

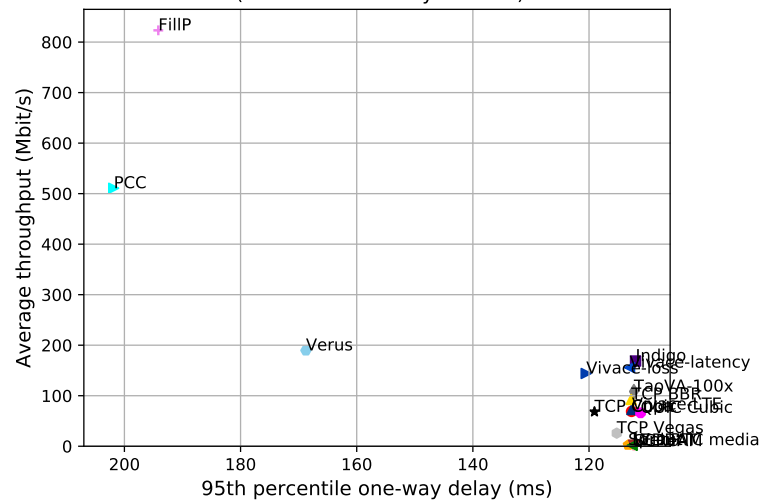
Pantheon Report

Generated at 2018-01-16 13:30:07 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE London Ethernet (*local*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

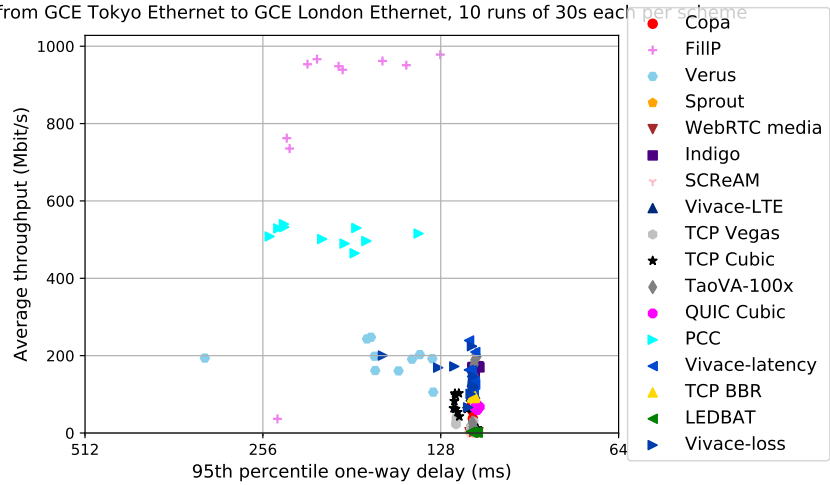
Git summary:

```
branch: master @ af8abdfba95588b0c5f2aeca9e856a1656b0c598
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from GCE Tokyo Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	9	92.55	112.73	0.97
TCP Cubic	10	68.18	119.06	0.99
LEDBAT	10	1.66	112.57	0.96
PCC	10	510.73	201.84	2.18
QUIC Cubic	7	66.17	111.13	0.96
SCReAM	8	0.22	112.29	0.74
WebRTC media	10	2.15	112.31	0.80
Sprout	10	2.52	113.26	1.26
TaoVA-100x	9	108.28	112.28	1.05
TCP Vegas	10	25.86	115.23	0.81
Verus	10	189.64	168.75	1.89
Copa	10	68.95	112.68	0.81
FillP	10	823.26	194.17	4.14
Indigo	10	168.65	111.99	0.89
Vivace-latency	10	155.64	113.03	0.91
Vivace-loss	10	144.03	120.49	1.01
Vivace-LTE	10	72.75	112.62	0.55

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 07:36:52

End at: 2018-01-16 07:37:23

Below is generated by plot.py at 2018-01-16 12:32:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 113.275 ms

Loss rate: 0.90%

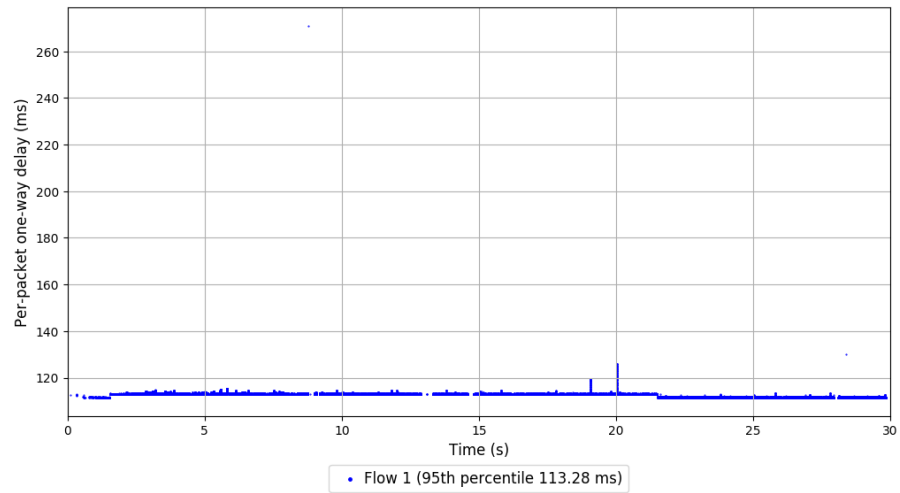
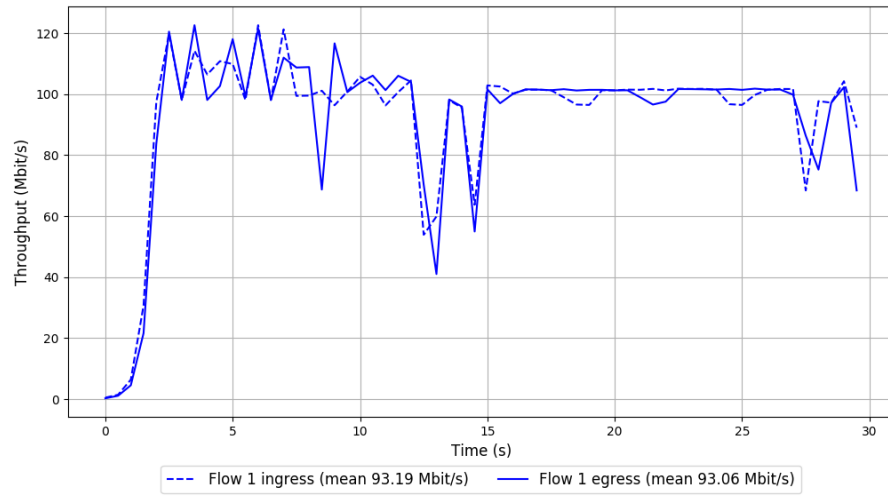
-- Flow 1:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 113.275 ms

Loss rate: 0.90%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-16 07:52:10

End at: 2018-01-16 07:52:40

Below is generated by plot.py at 2018-01-16 12:32:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 113.109 ms

Loss rate: 0.87%

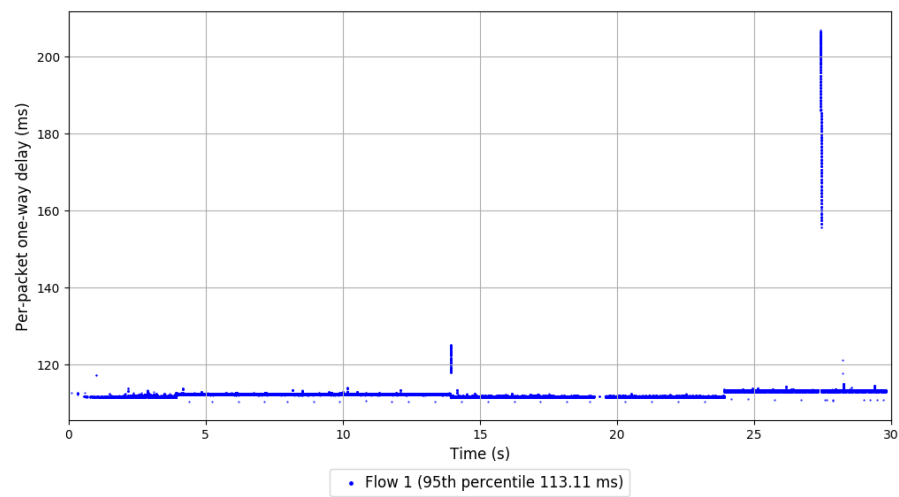
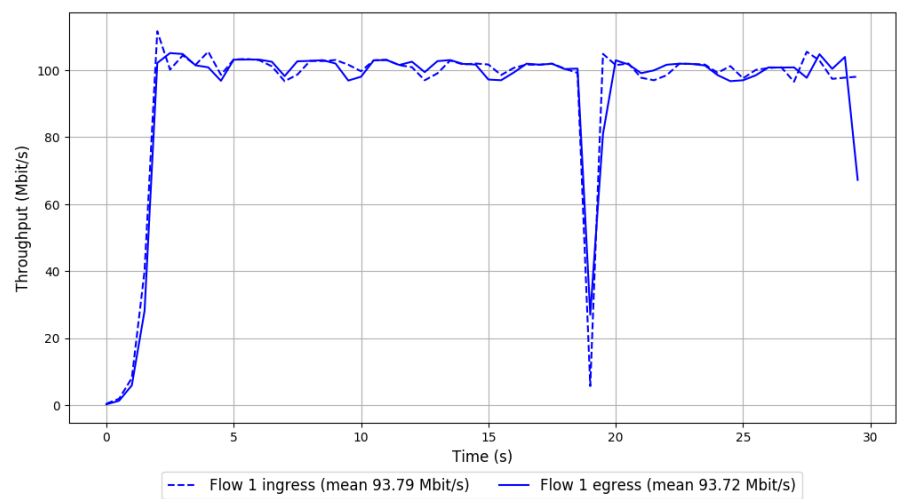
-- Flow 1:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 113.109 ms

Loss rate: 0.87%

Run 2: Report of TCP BBR — Data Link

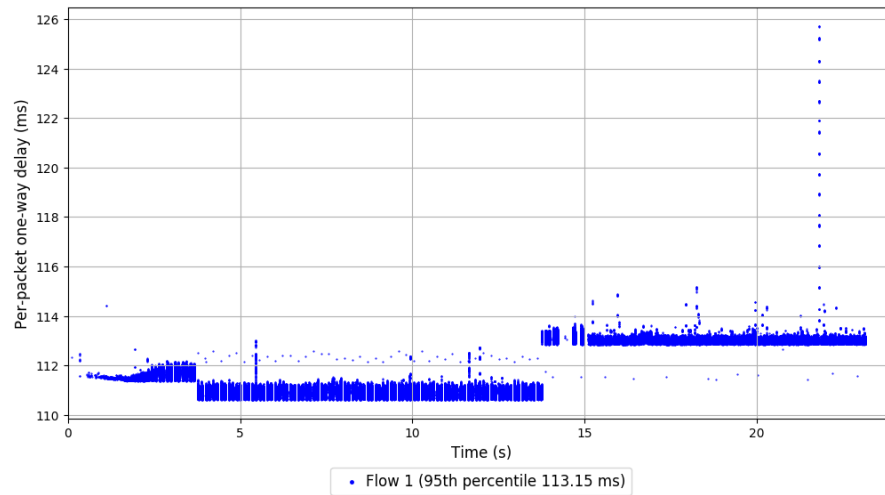
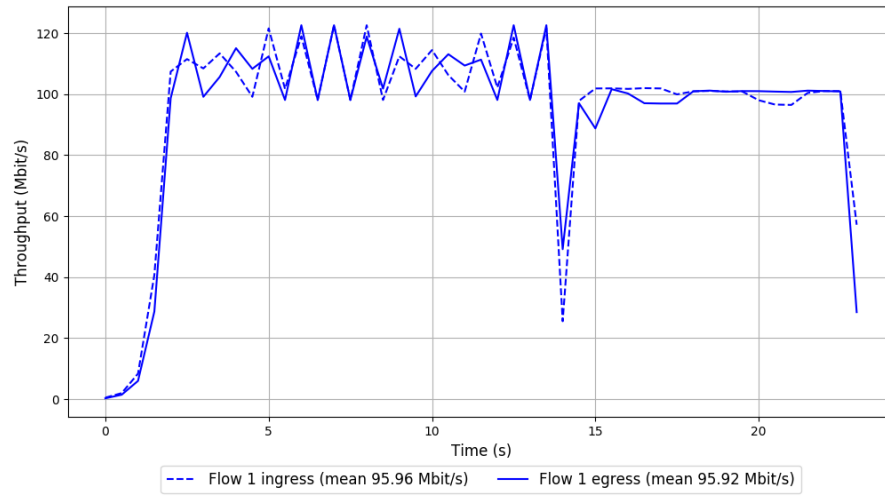


Run 3: Statistics of TCP BBR

Start at: 2018-01-16 08:07:04

End at: 2018-01-16 08:07:34

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-16 08:22:24

End at: 2018-01-16 08:22:54

Below is generated by plot.py at 2018-01-16 12:32:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 113.109 ms

Loss rate: 0.78%

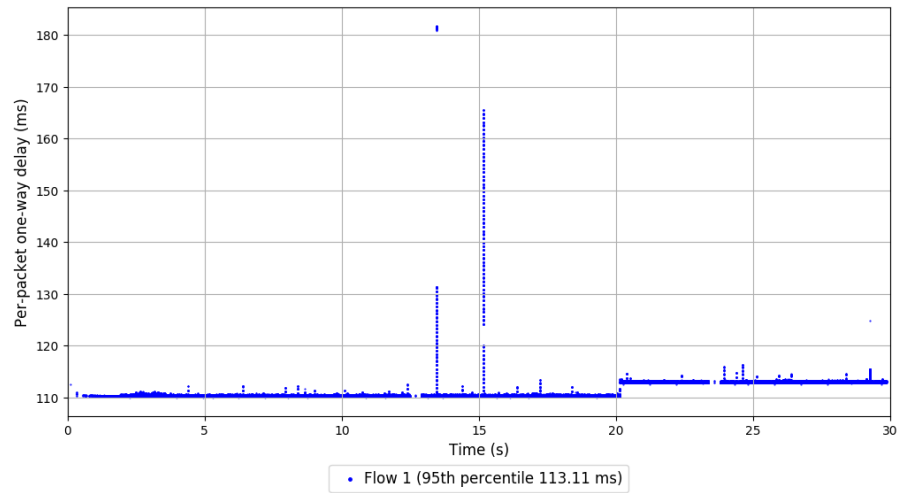
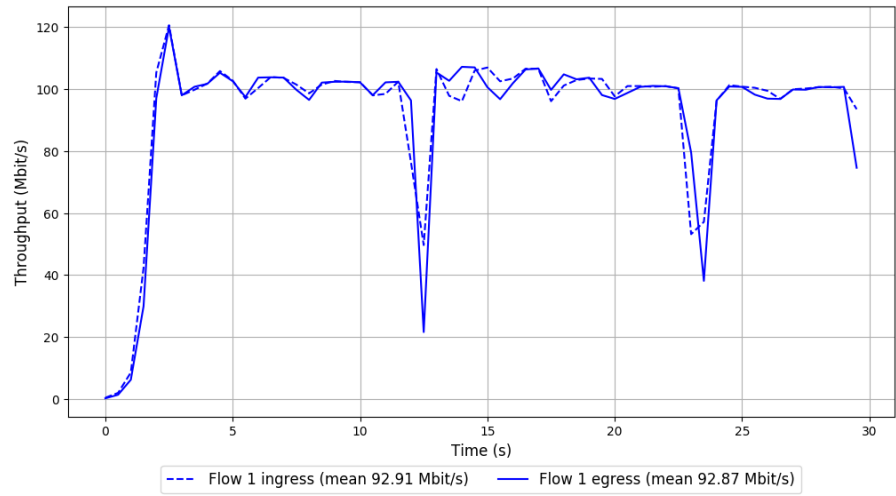
-- Flow 1:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 113.109 ms

Loss rate: 0.78%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-16 08:37:29

End at: 2018-01-16 08:37:59

Below is generated by plot.py at 2018-01-16 12:32:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.70 Mbit/s

95th percentile per-packet one-way delay: 112.160 ms

Loss rate: 1.52%

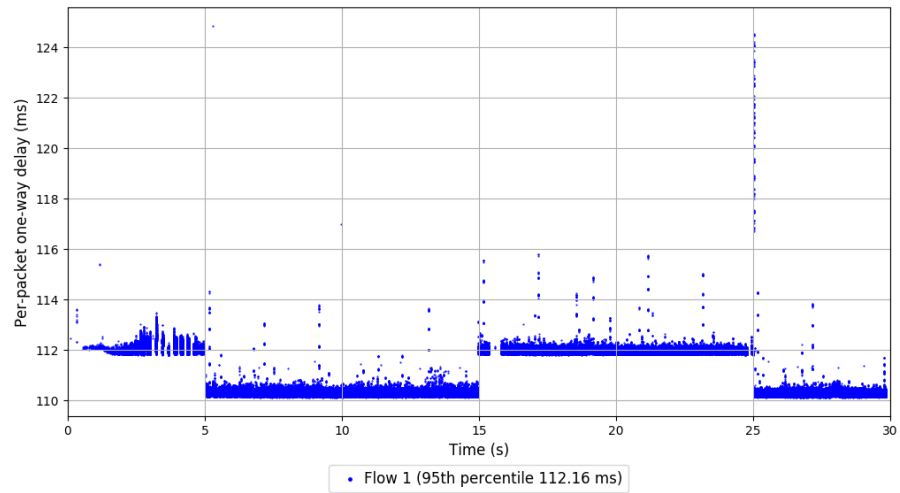
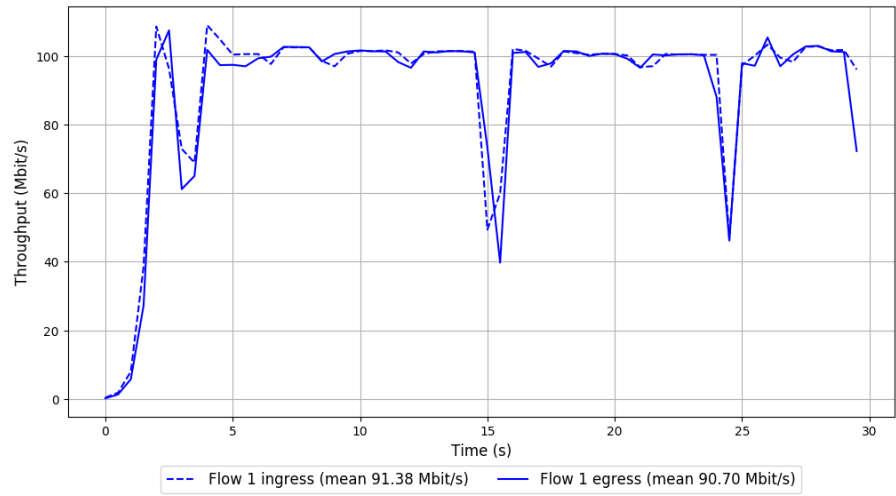
-- Flow 1:

Average throughput: 90.70 Mbit/s

95th percentile per-packet one-way delay: 112.160 ms

Loss rate: 1.52%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

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

End at: 2018-01-16 08:52:31

Below is generated by plot.py at 2018-01-16 12:32:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 112.084 ms

Loss rate: 0.80%

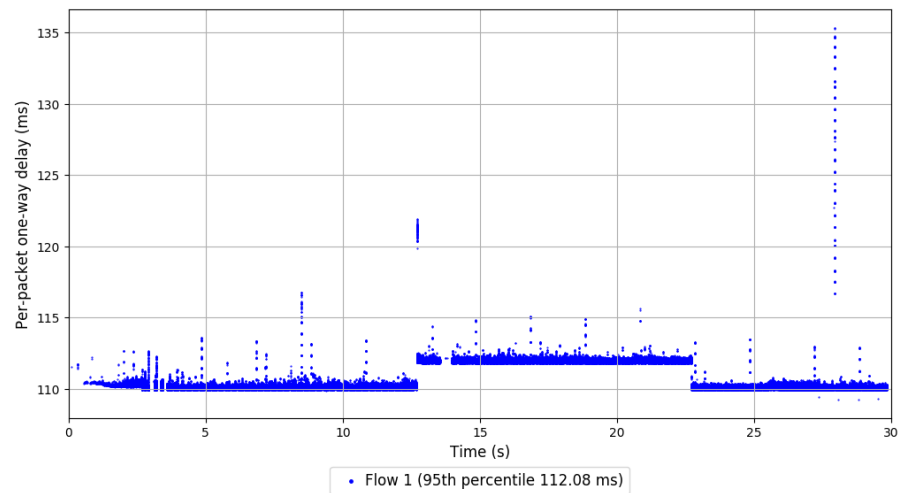
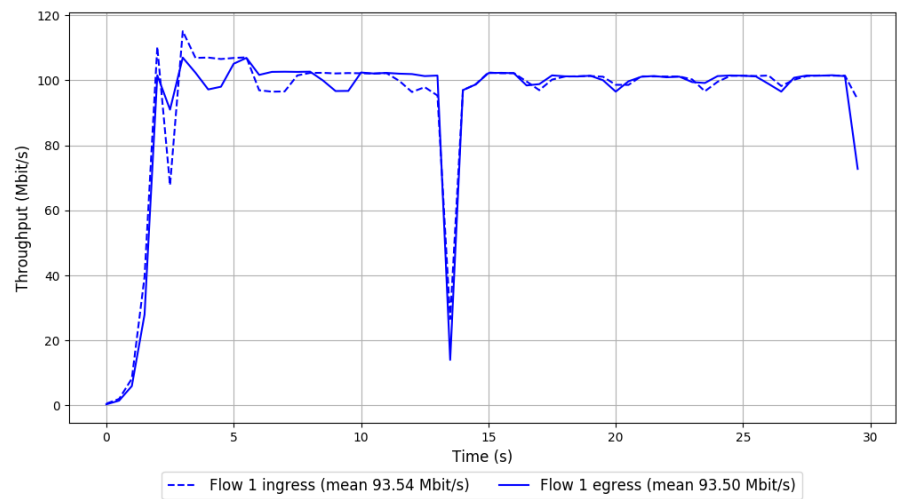
-- Flow 1:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 112.084 ms

Loss rate: 0.80%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-16 09:07:33

End at: 2018-01-16 09:08:03

Below is generated by plot.py at 2018-01-16 12:32:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.97 Mbit/s

95th percentile per-packet one-way delay: 113.065 ms

Loss rate: 0.93%

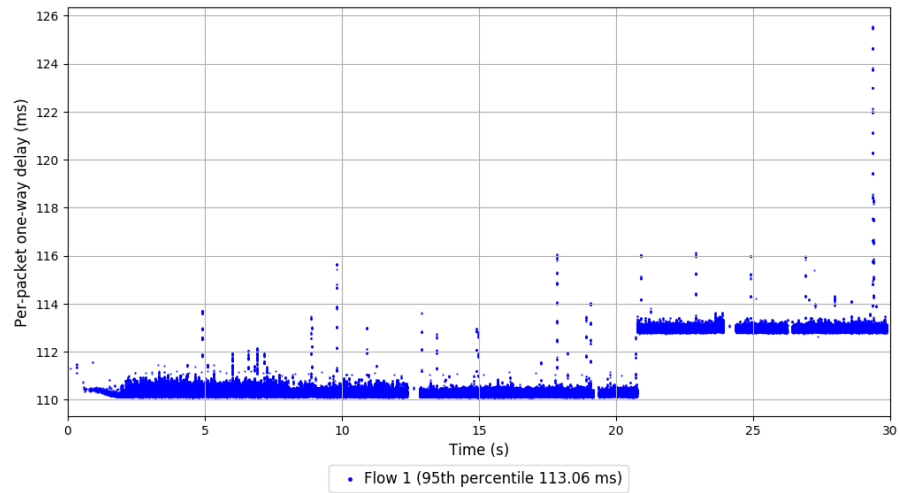
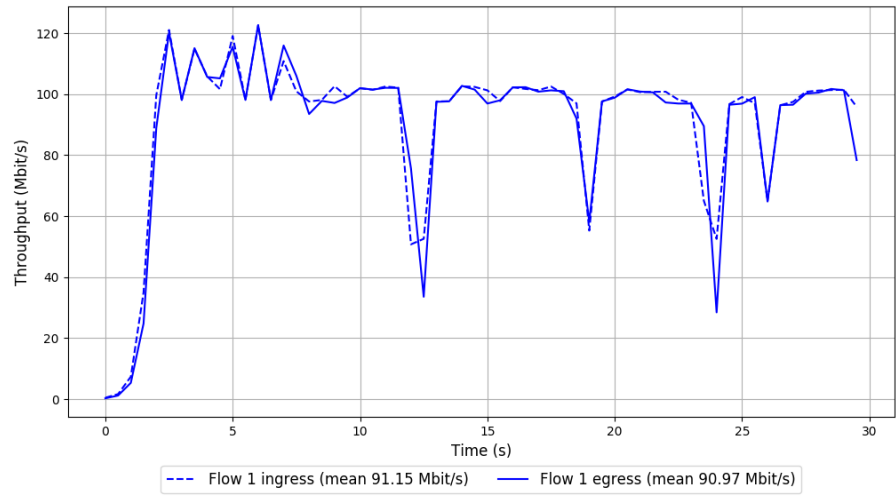
-- Flow 1:

Average throughput: 90.97 Mbit/s

95th percentile per-packet one-way delay: 113.065 ms

Loss rate: 0.93%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-16 09:22:33

End at: 2018-01-16 09:23:03

Below is generated by plot.py at 2018-01-16 12:32:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.53 Mbit/s

95th percentile per-packet one-way delay: 112.975 ms

Loss rate: 0.87%

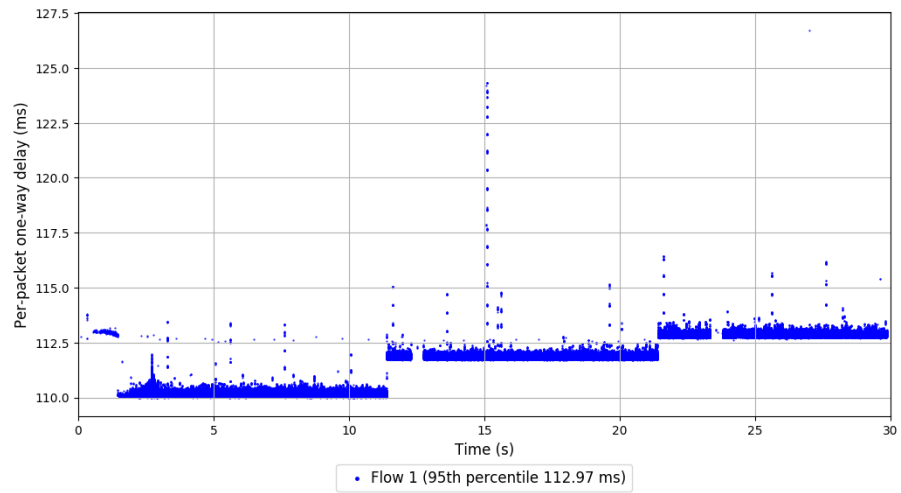
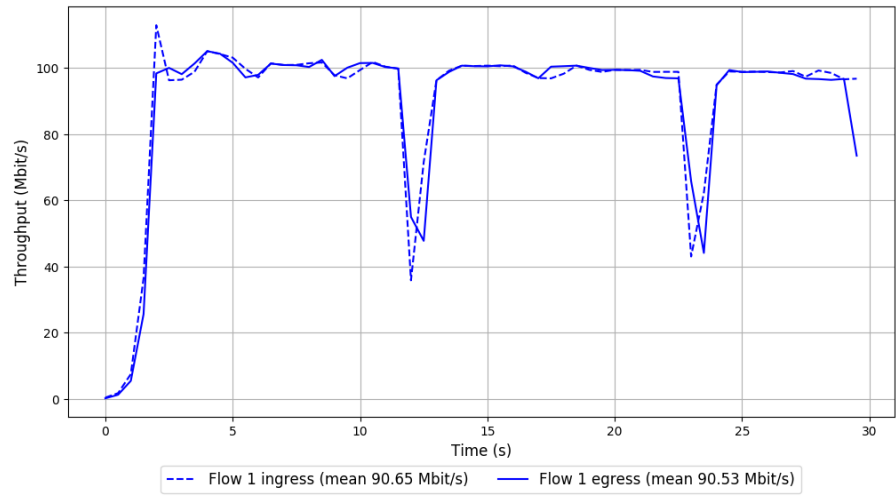
-- Flow 1:

Average throughput: 90.53 Mbit/s

95th percentile per-packet one-way delay: 112.975 ms

Loss rate: 0.87%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-16 09:37:29

End at: 2018-01-16 09:37:59

Below is generated by plot.py at 2018-01-16 12:34:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 112.879 ms

Loss rate: 1.13%

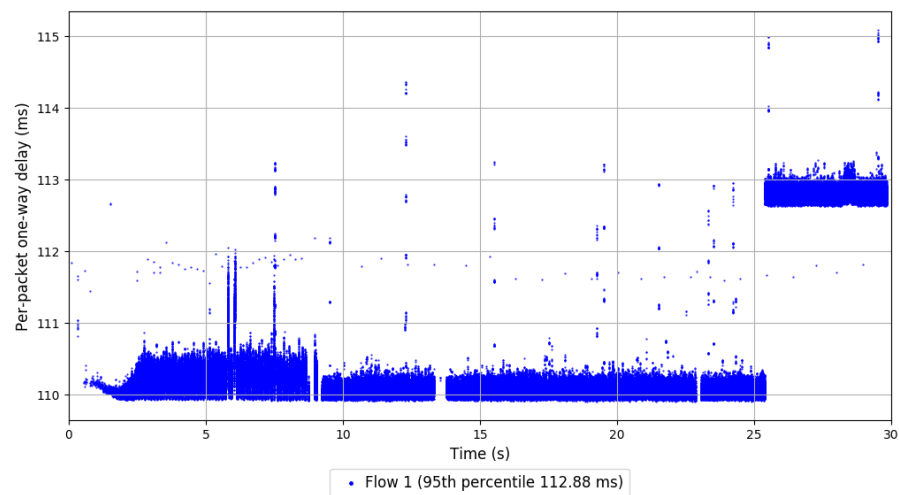
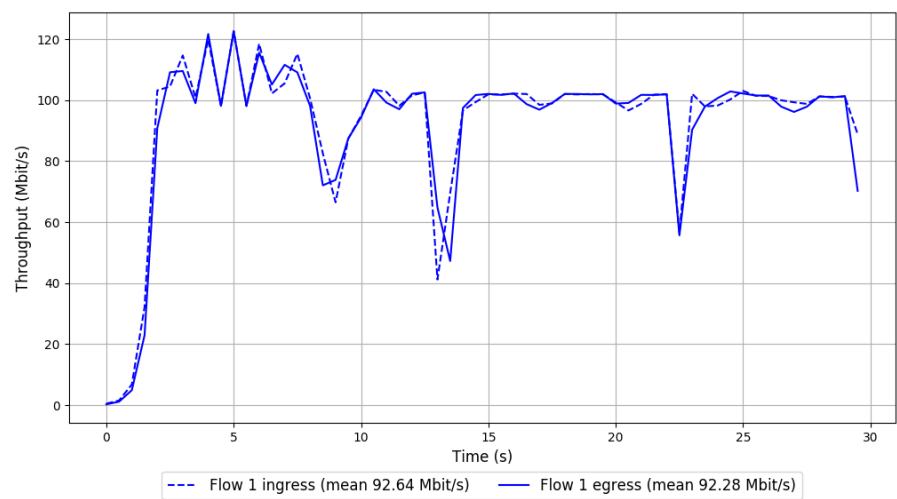
-- Flow 1:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 112.879 ms

Loss rate: 1.13%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-16 09:52:28

End at: 2018-01-16 09:52:58

Below is generated by plot.py at 2018-01-16 12:34:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 111.952 ms

Loss rate: 0.89%

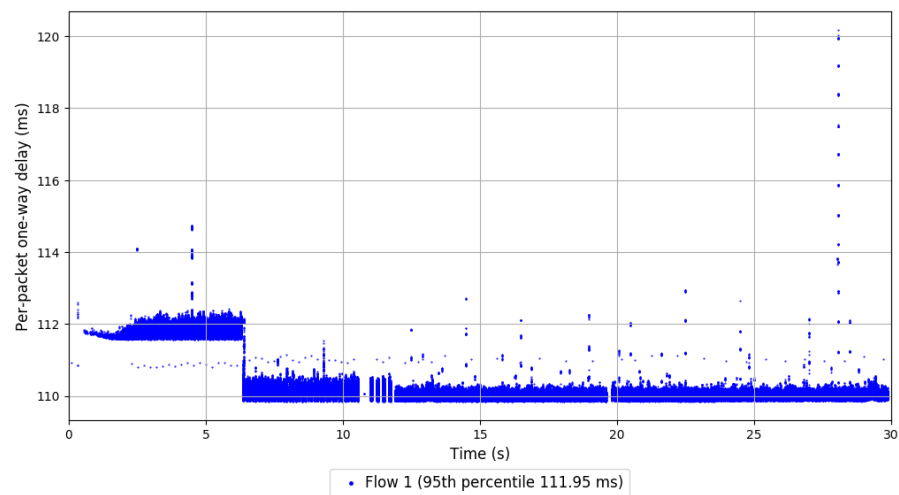
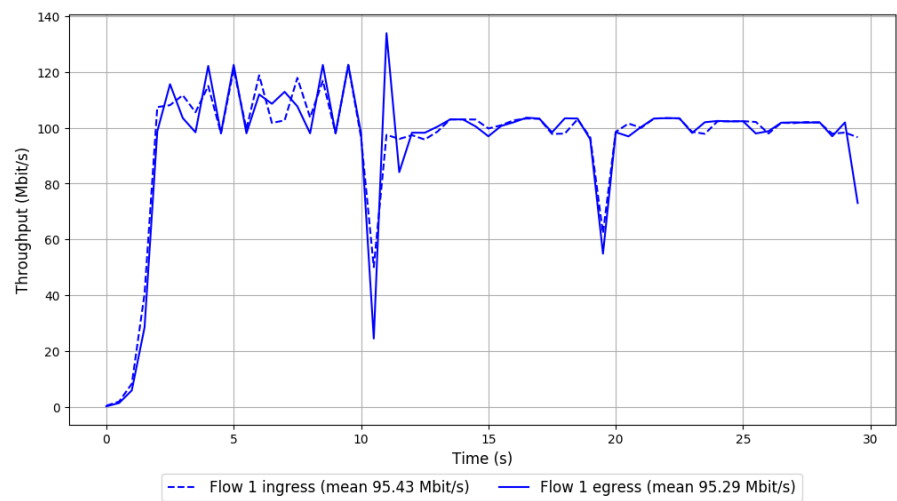
-- Flow 1:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 111.952 ms

Loss rate: 0.89%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 07:37:39

End at: 2018-01-16 07:38:09

Below is generated by plot.py at 2018-01-16 12:34:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.79 Mbit/s

95th percentile per-packet one-way delay: 121.756 ms

Loss rate: 1.52%

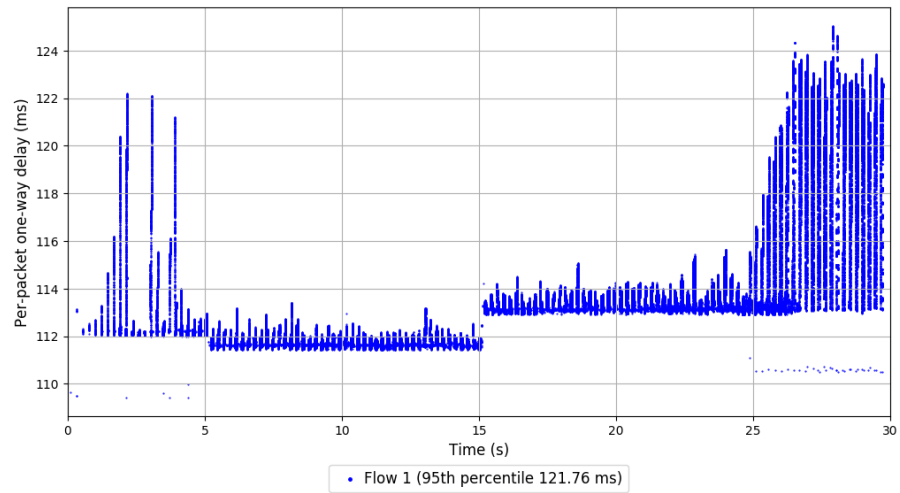
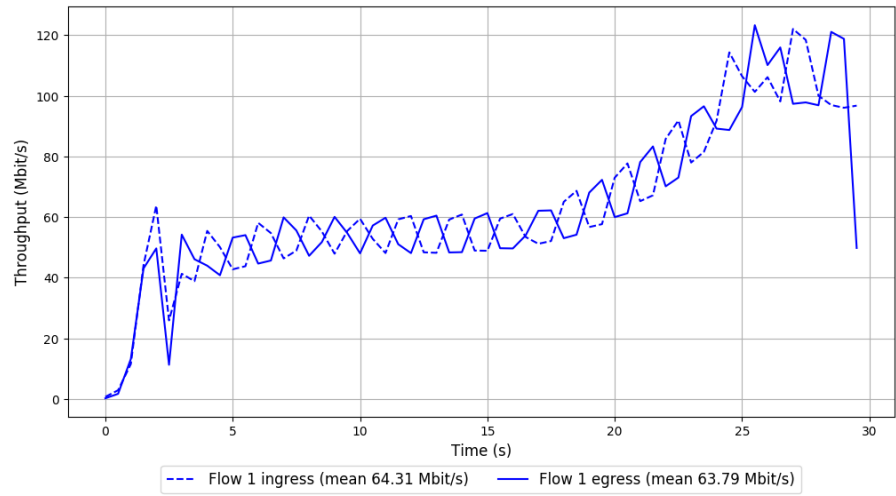
-- Flow 1:

Average throughput: 63.79 Mbit/s

95th percentile per-packet one-way delay: 121.756 ms

Loss rate: 1.52%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 07:52:56

End at: 2018-01-16 07:53:26

Below is generated by plot.py at 2018-01-16 12:34:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.19 Mbit/s

95th percentile per-packet one-way delay: 121.103 ms

Loss rate: 0.86%

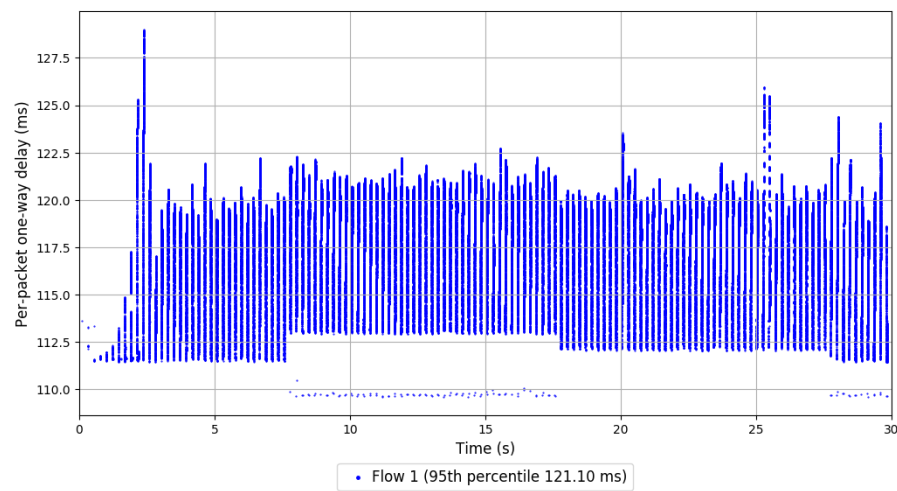
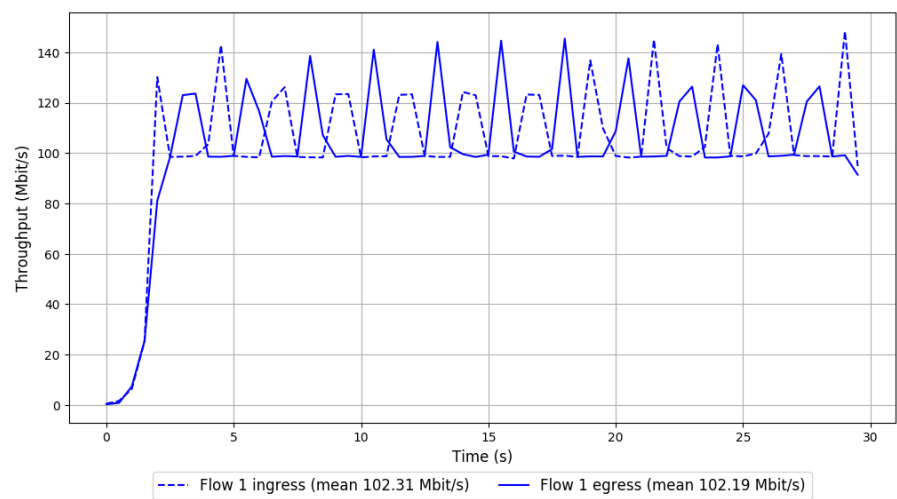
-- Flow 1:

Average throughput: 102.19 Mbit/s

95th percentile per-packet one-way delay: 121.103 ms

Loss rate: 0.86%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 08:07:49

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

Below is generated by plot.py at 2018-01-16 12:34:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.38 Mbit/s

95th percentile per-packet one-way delay: 121.397 ms

Loss rate: 0.47%

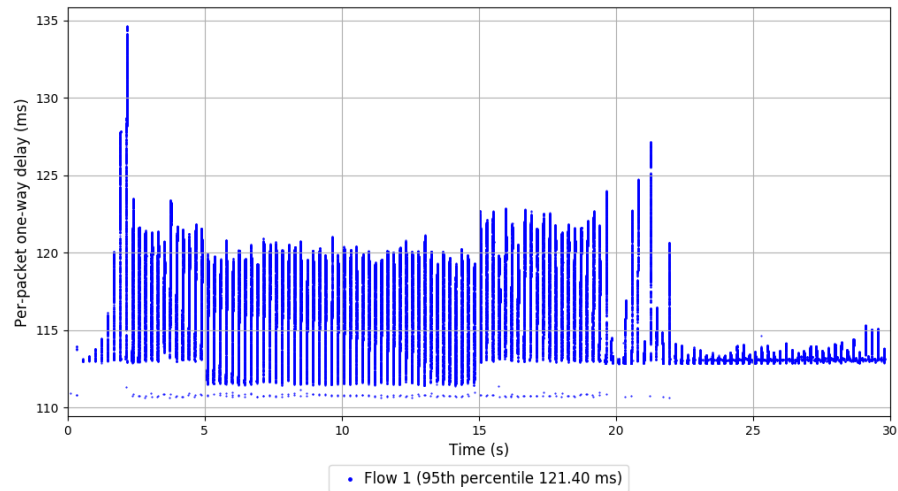
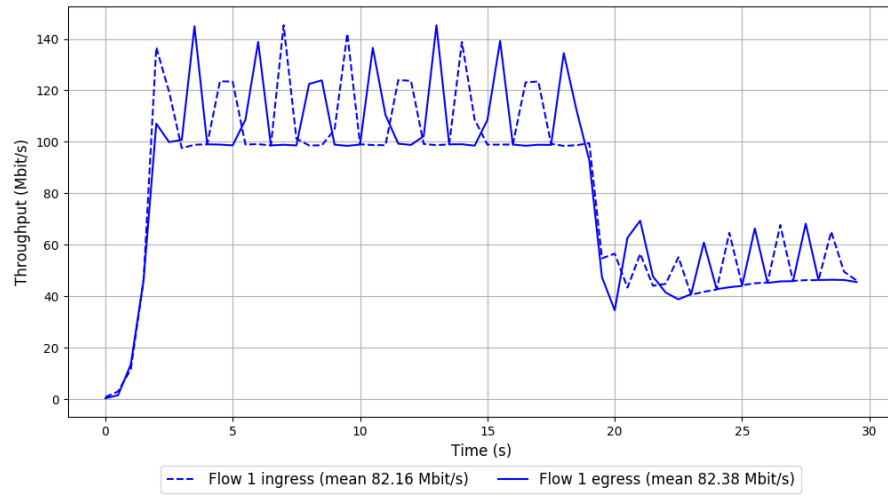
-- Flow 1:

Average throughput: 82.38 Mbit/s

95th percentile per-packet one-way delay: 121.397 ms

Loss rate: 0.47%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-16 08:23:10

End at: 2018-01-16 08:23:40

Below is generated by plot.py at 2018-01-16 12:34:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.88 Mbit/s

95th percentile per-packet one-way delay: 120.861 ms

Loss rate: 0.34%

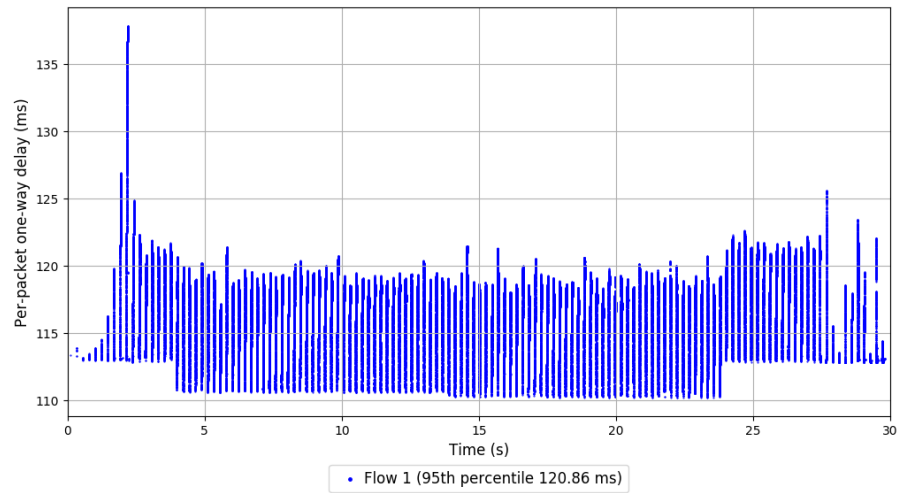
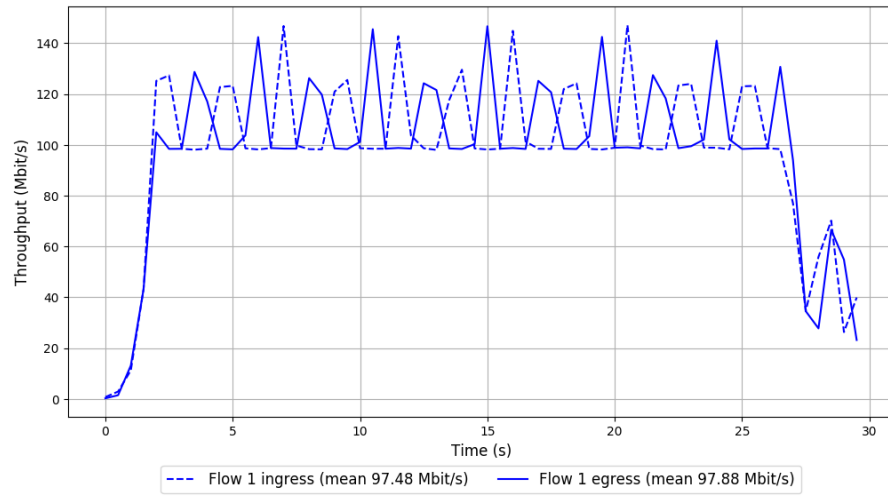
-- Flow 1:

Average throughput: 97.88 Mbit/s

95th percentile per-packet one-way delay: 120.861 ms

Loss rate: 0.34%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

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

End at: 2018-01-16 08:38:46

Below is generated by plot.py at 2018-01-16 12:34:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.19 Mbit/s

95th percentile per-packet one-way delay: 120.858 ms

Loss rate: 1.34%

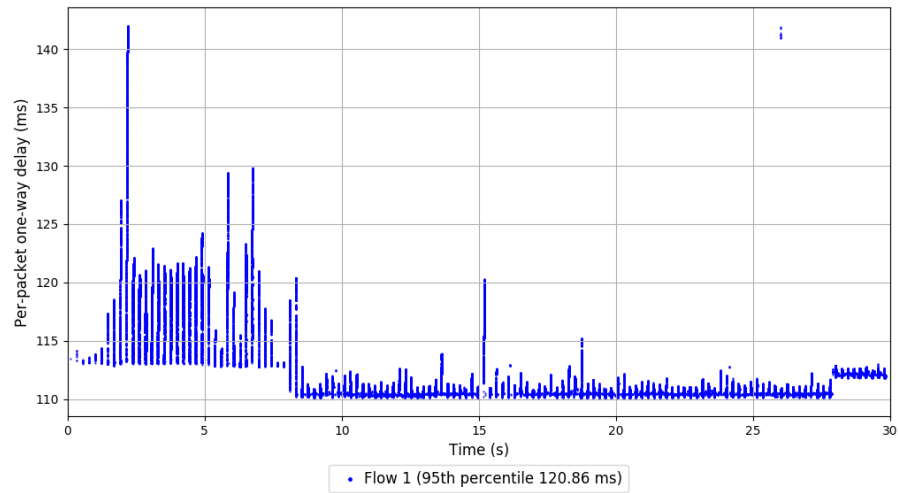
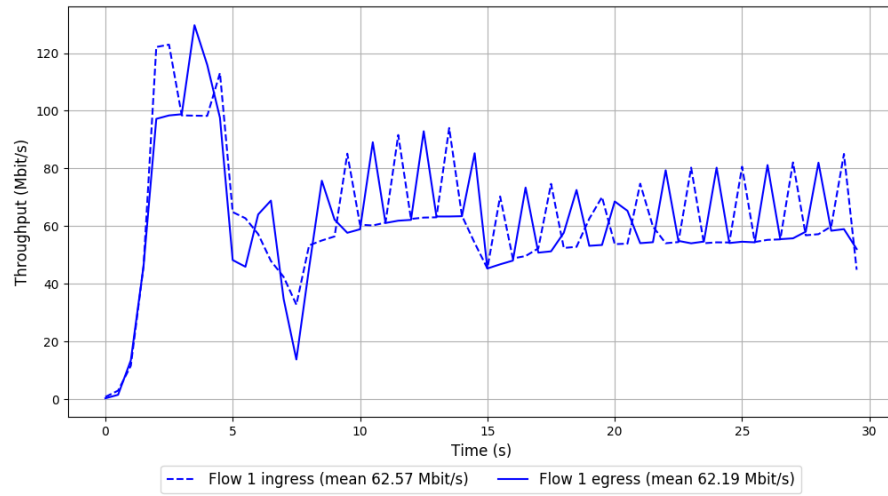
-- Flow 1:

Average throughput: 62.19 Mbit/s

95th percentile per-packet one-way delay: 120.858 ms

Loss rate: 1.34%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-16 08:52:49

End at: 2018-01-16 08:53:19

Below is generated by plot.py at 2018-01-16 12:34:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.84 Mbit/s

95th percentile per-packet one-way delay: 119.067 ms

Loss rate: 0.91%

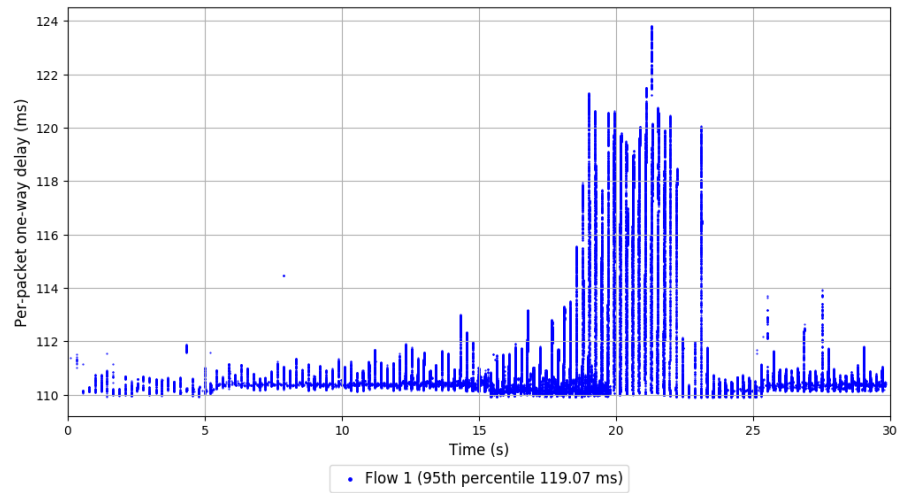
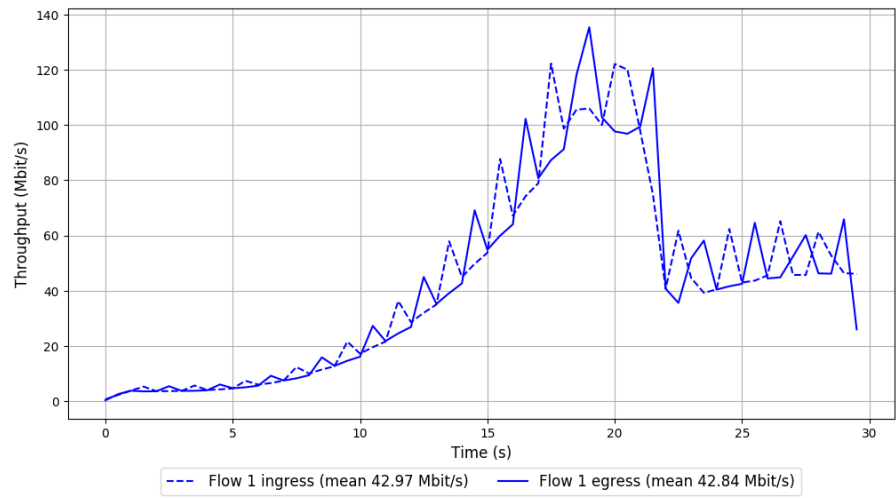
-- Flow 1:

Average throughput: 42.84 Mbit/s

95th percentile per-packet one-way delay: 119.067 ms

Loss rate: 0.91%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-16 09:08:20

End at: 2018-01-16 09:08:50

Below is generated by plot.py at 2018-01-16 12:34:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 110.949 ms

Loss rate: 1.67%

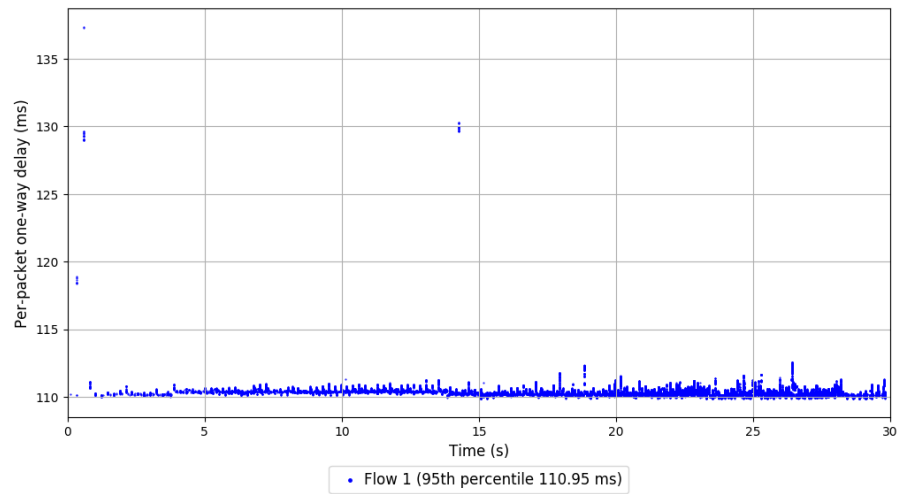
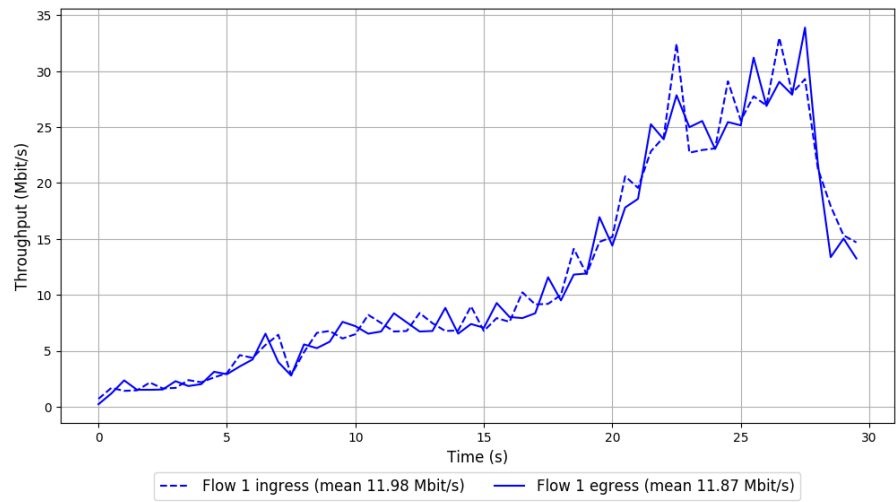
-- Flow 1:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 110.949 ms

Loss rate: 1.67%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-16 09:23:19

End at: 2018-01-16 09:23:49

Below is generated by plot.py at 2018-01-16 12:35:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.64 Mbit/s

95th percentile per-packet one-way delay: 119.290 ms

Loss rate: 0.80%

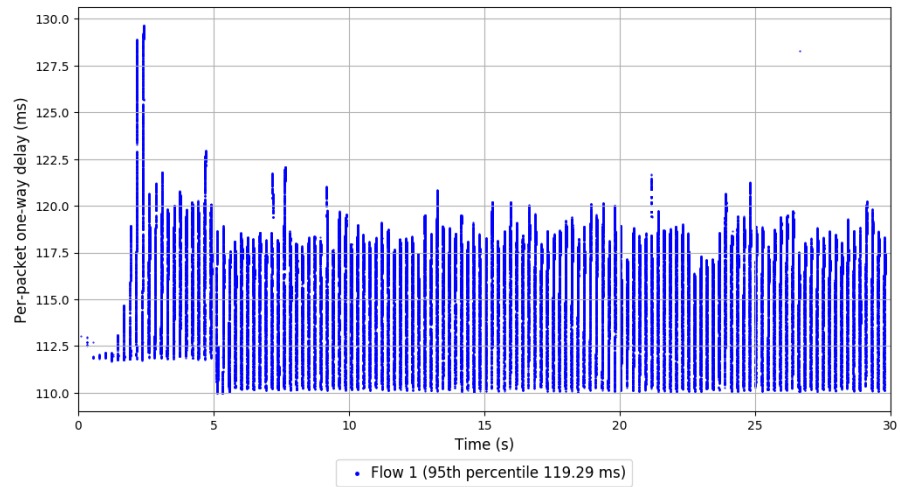
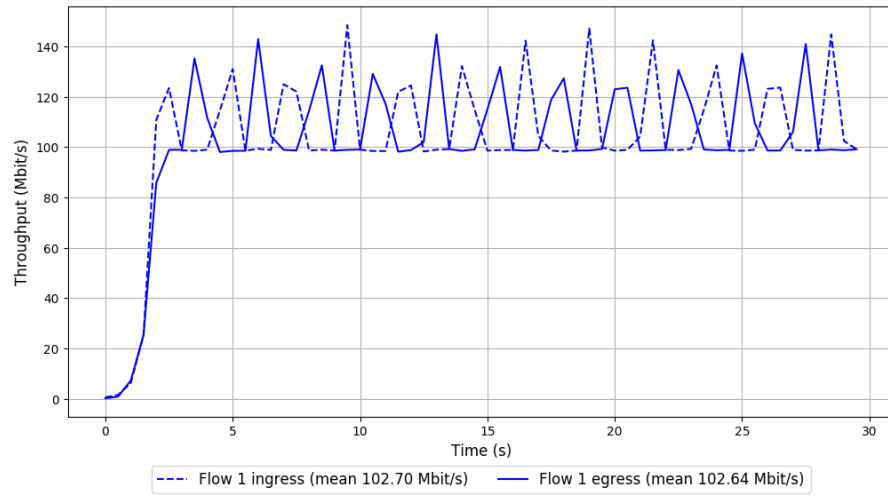
-- Flow 1:

Average throughput: 102.64 Mbit/s

95th percentile per-packet one-way delay: 119.290 ms

Loss rate: 0.80%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-16 09:38:15

End at: 2018-01-16 09:38:45

Below is generated by plot.py at 2018-01-16 12:35:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.89 Mbit/s

95th percentile per-packet one-way delay: 119.862 ms

Loss rate: 0.76%

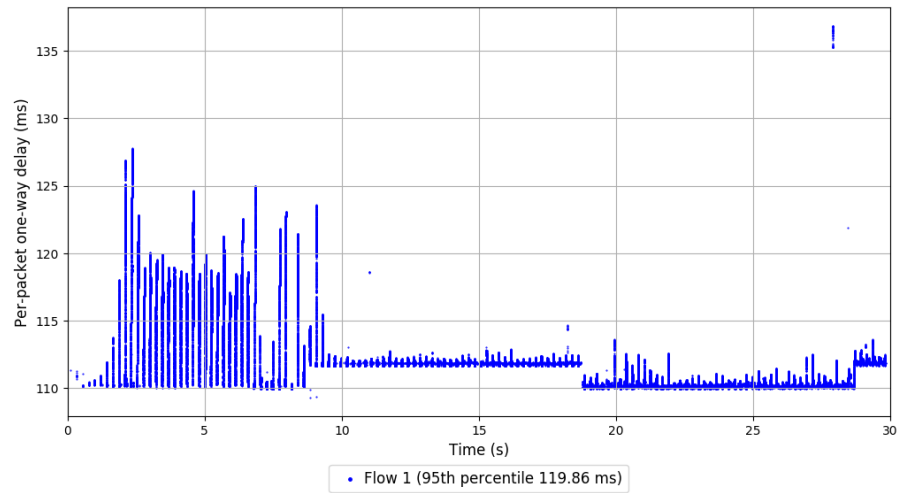
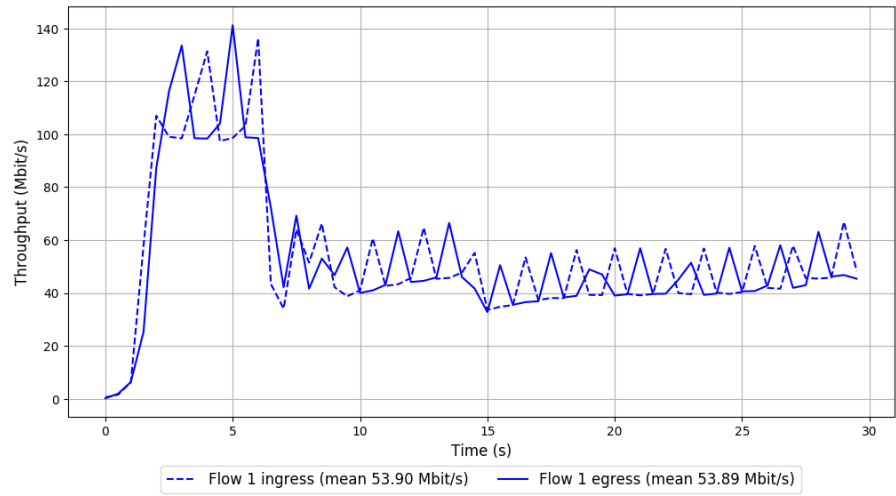
-- Flow 1:

Average throughput: 53.89 Mbit/s

95th percentile per-packet one-way delay: 119.862 ms

Loss rate: 0.76%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-16 09:53:14

End at: 2018-01-16 09:53:44

Below is generated by plot.py at 2018-01-16 12:35:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.15 Mbit/s

95th percentile per-packet one-way delay: 115.478 ms

Loss rate: 1.23%

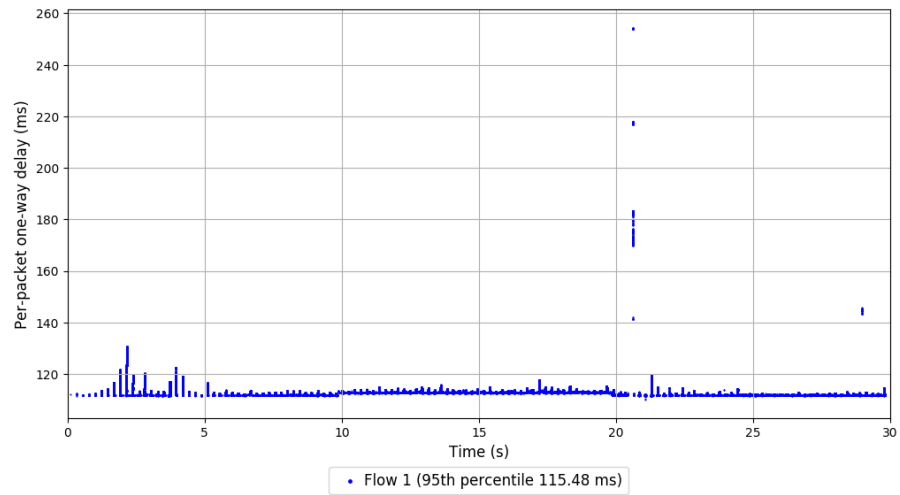
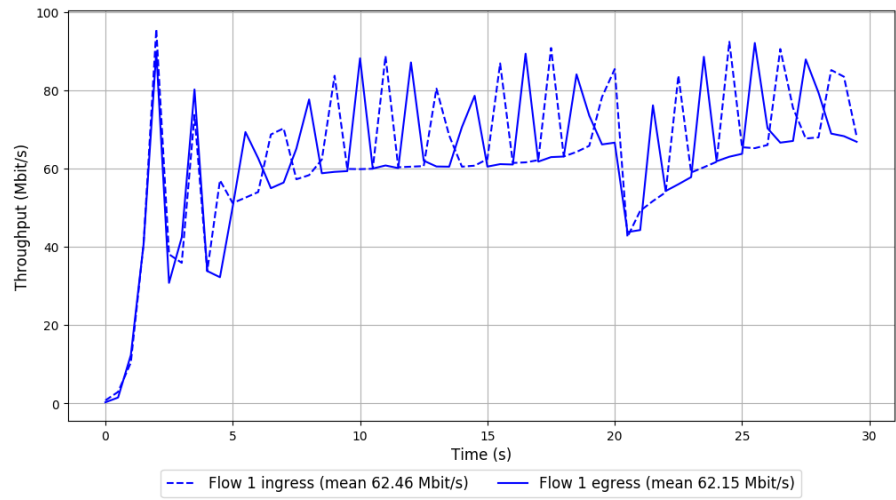
-- Flow 1:

Average throughput: 62.15 Mbit/s

95th percentile per-packet one-way delay: 115.478 ms

Loss rate: 1.23%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-01-16 07:26:46

End at: 2018-01-16 07:27:16

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 113.882 ms

Loss rate: 0.67%

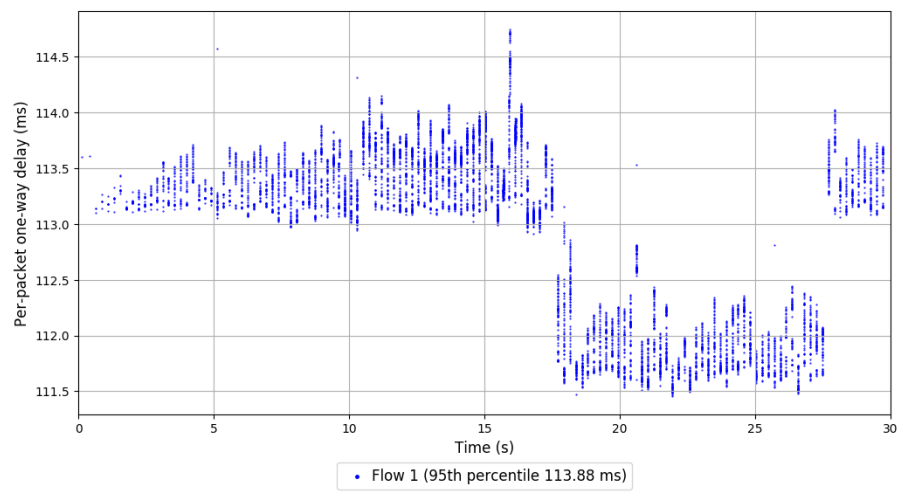
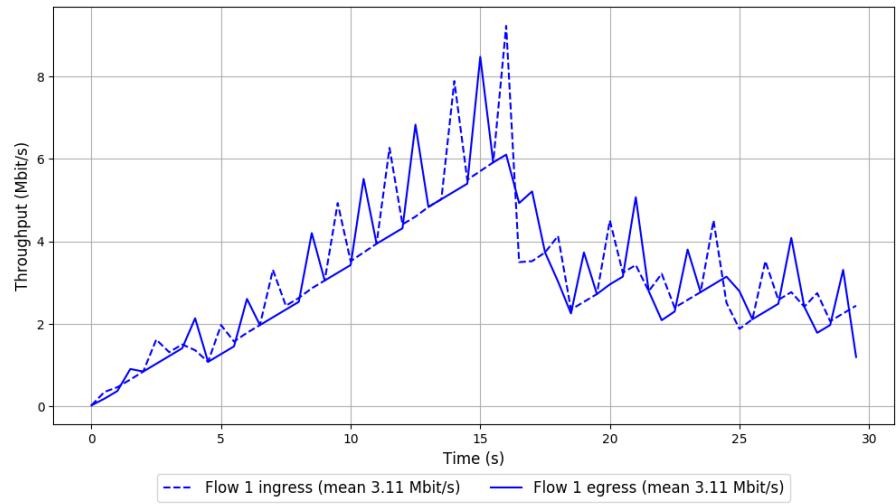
-- Flow 1:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 113.882 ms

Loss rate: 0.67%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-01-16 07:41:40

End at: 2018-01-16 07:42:10

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 113.022 ms

Loss rate: 1.50%

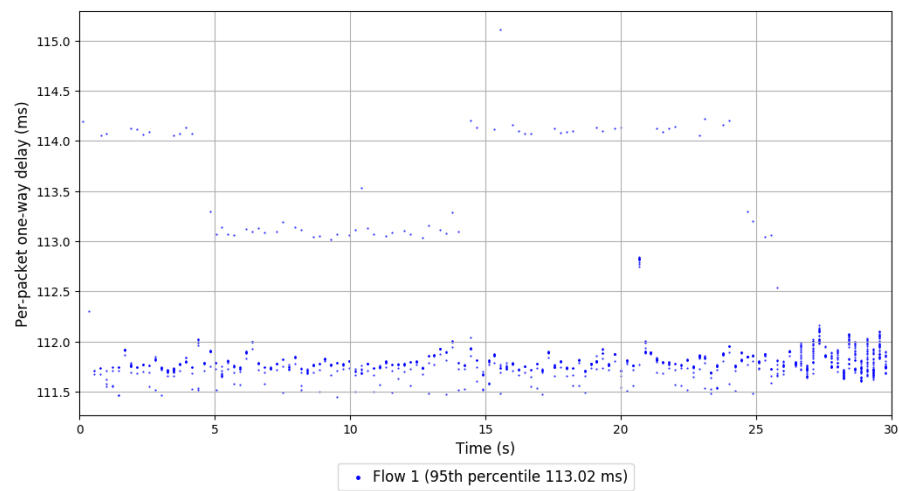
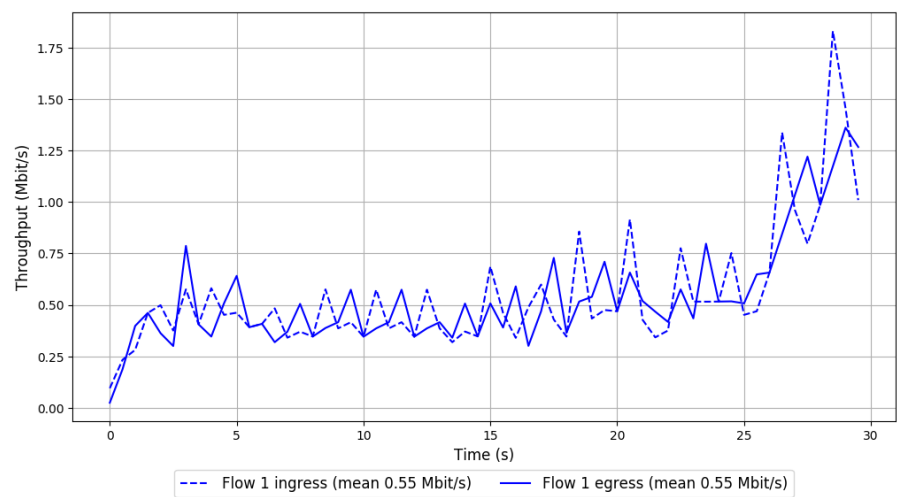
-- Flow 1:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 113.022 ms

Loss rate: 1.50%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-16 07:57:06

End at: 2018-01-16 07:57:36

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 113.041 ms

Loss rate: 0.44%

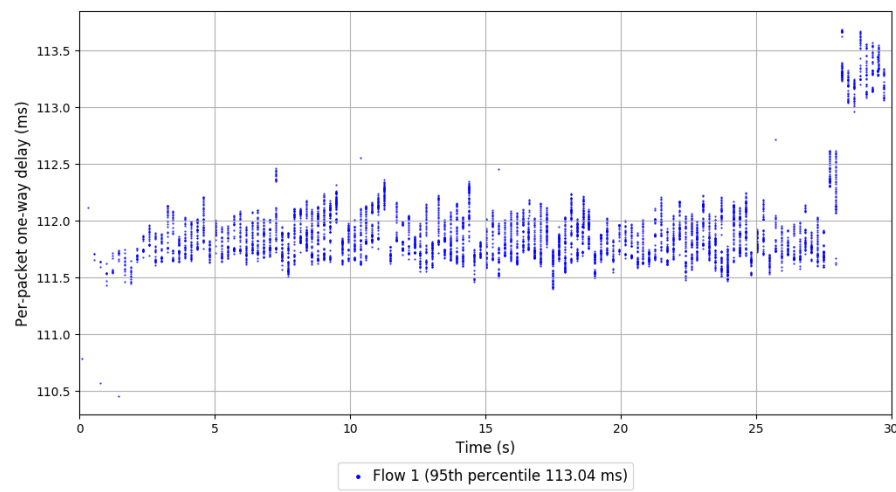
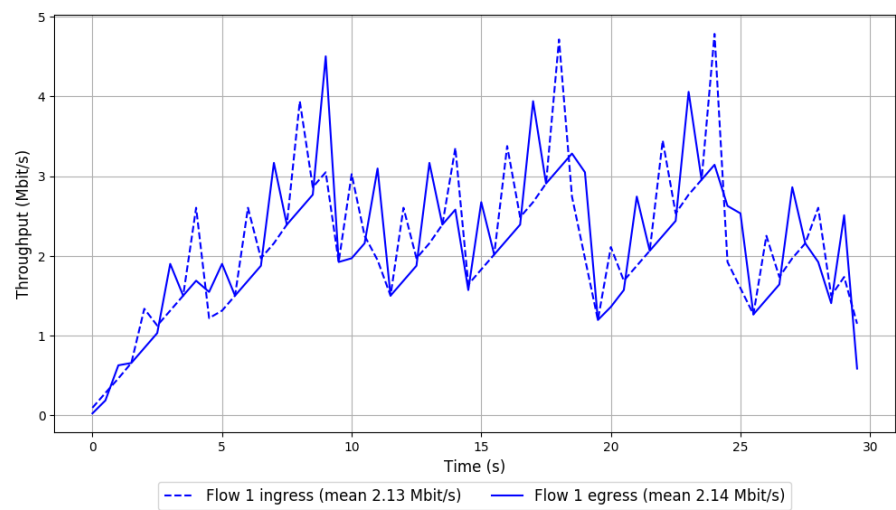
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 113.041 ms

Loss rate: 0.44%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-16 08:11:48

End at: 2018-01-16 08:12:18

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 113.506 ms

Loss rate: 0.93%

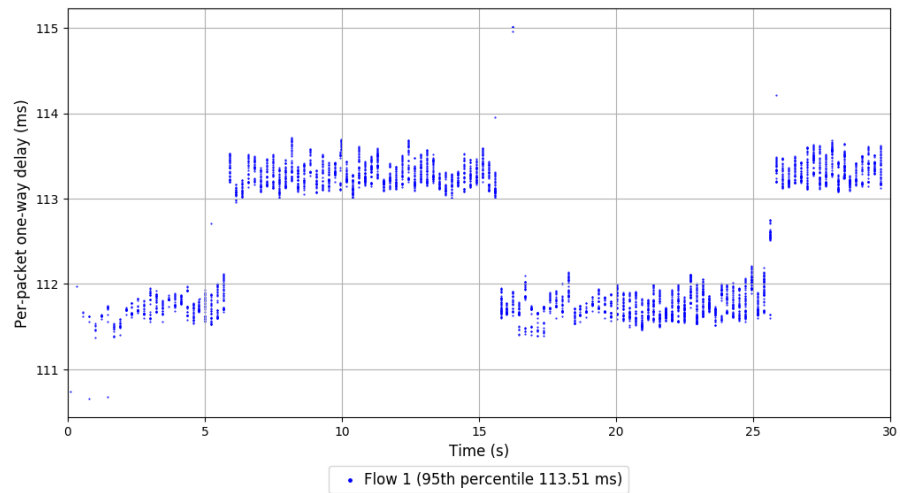
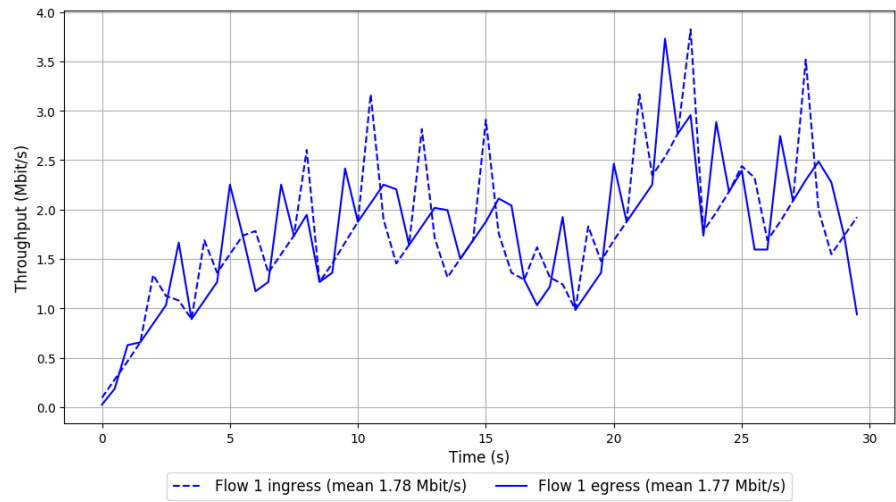
-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 113.506 ms

Loss rate: 0.93%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-16 08:27:17

End at: 2018-01-16 08:27:47

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 113.312 ms

Loss rate: 0.75%

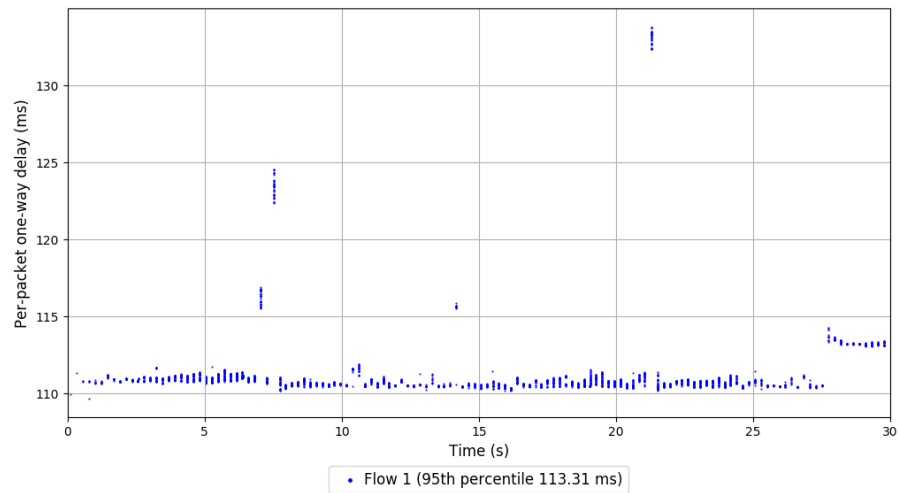
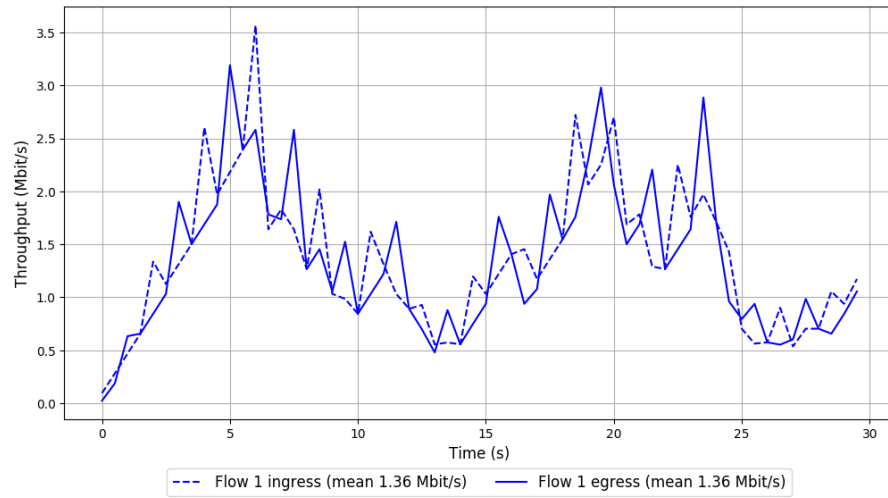
-- Flow 1:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 113.312 ms

Loss rate: 0.75%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-16 08:42:14

End at: 2018-01-16 08:42:44

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 111.483 ms

Loss rate: 1.10%

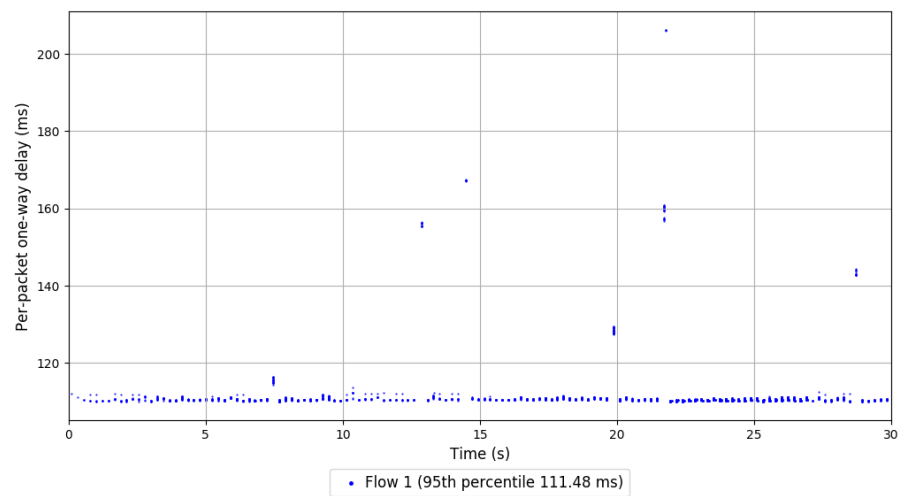
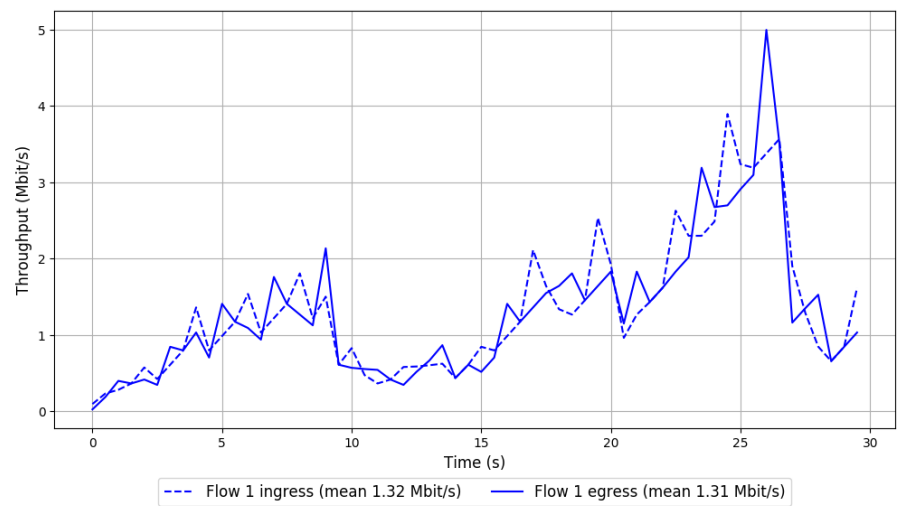
-- Flow 1:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 111.483 ms

Loss rate: 1.10%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-16 08:56:54

End at: 2018-01-16 08:57:24

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 111.111 ms

Loss rate: 0.86%

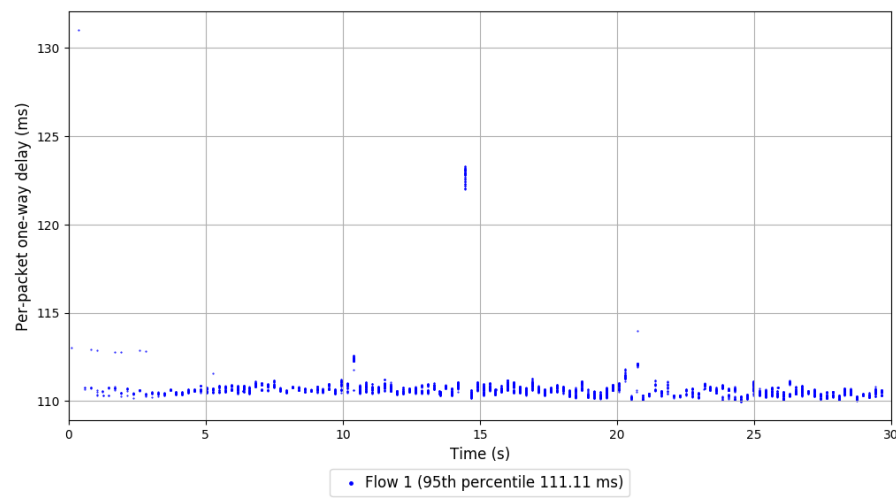
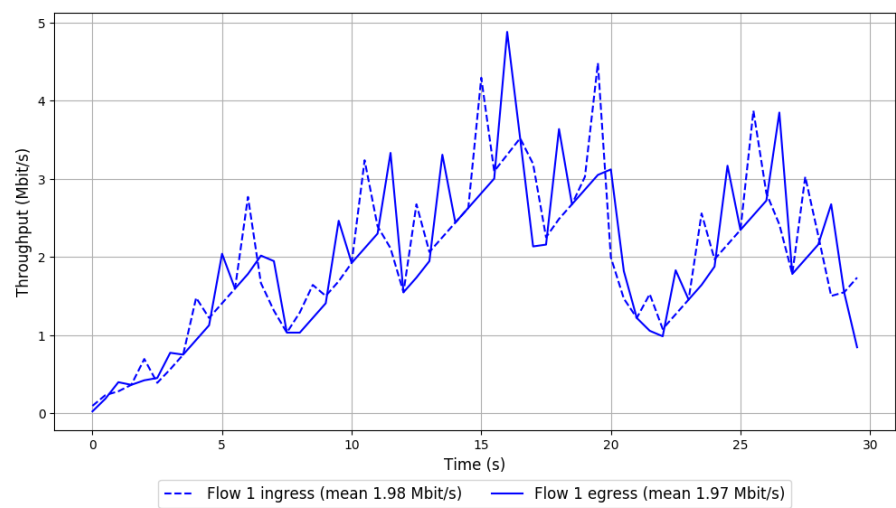
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 111.111 ms

Loss rate: 0.86%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-16 09:12:14

End at: 2018-01-16 09:12:44

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 112.373 ms

Loss rate: 1.03%

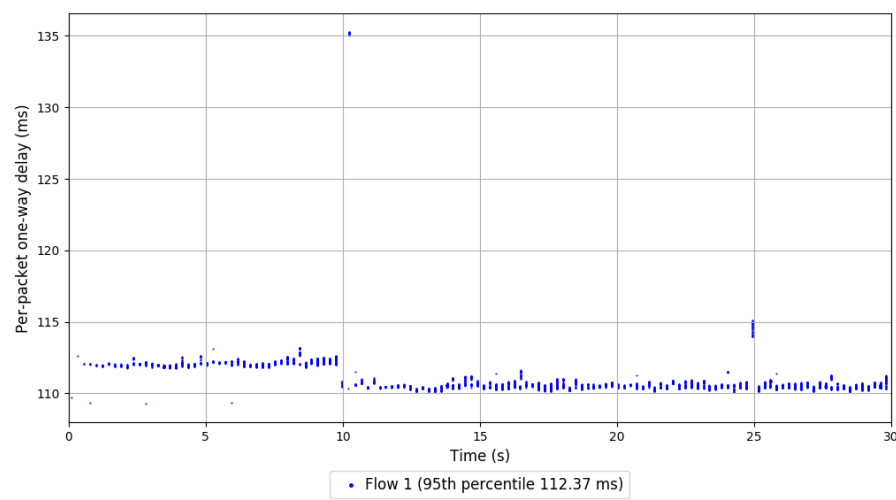
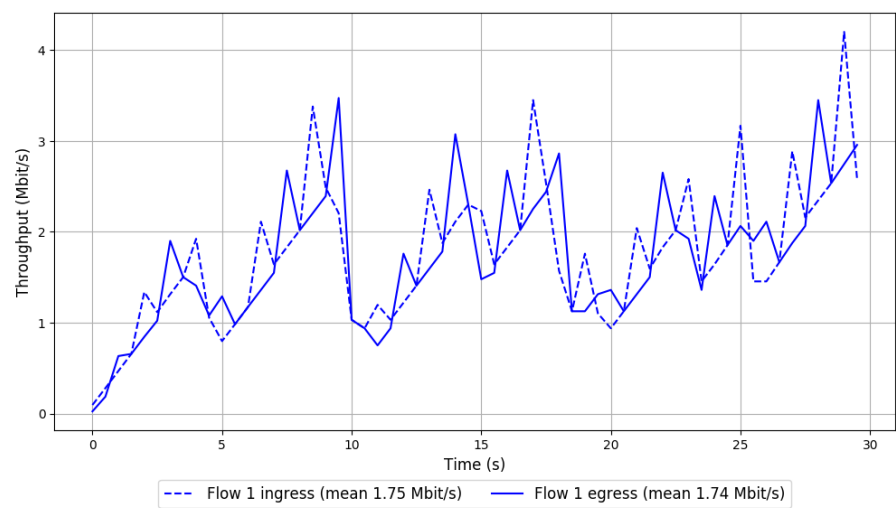
-- Flow 1:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 112.373 ms

Loss rate: 1.03%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-16 09:27:18

End at: 2018-01-16 09:27:48

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 110.831 ms

Loss rate: 1.57%

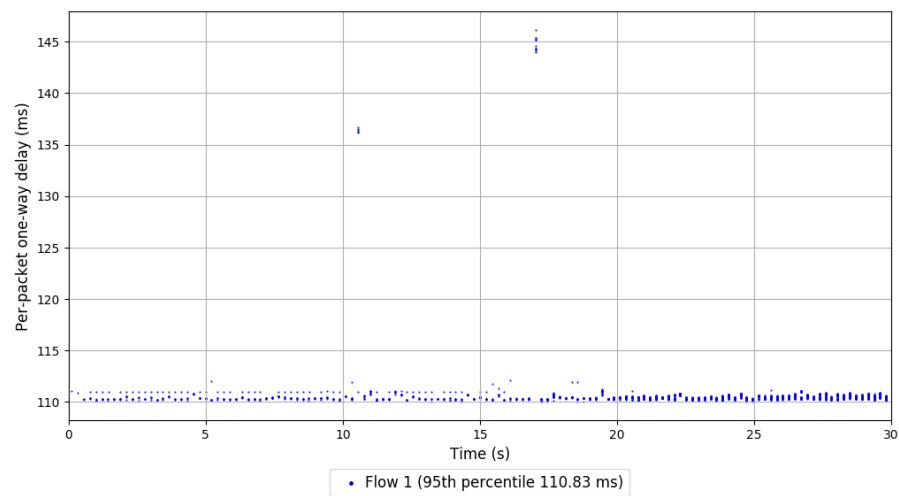
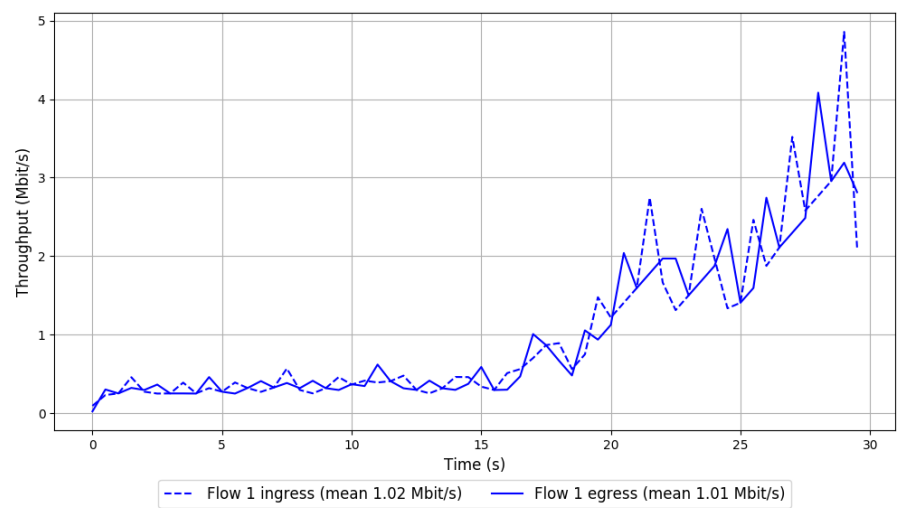
-- Flow 1:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 110.831 ms

Loss rate: 1.57%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-16 09:42:15

End at: 2018-01-16 09:42:45

Below is generated by plot.py at 2018-01-16 12:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 113.177 ms

Loss rate: 0.76%

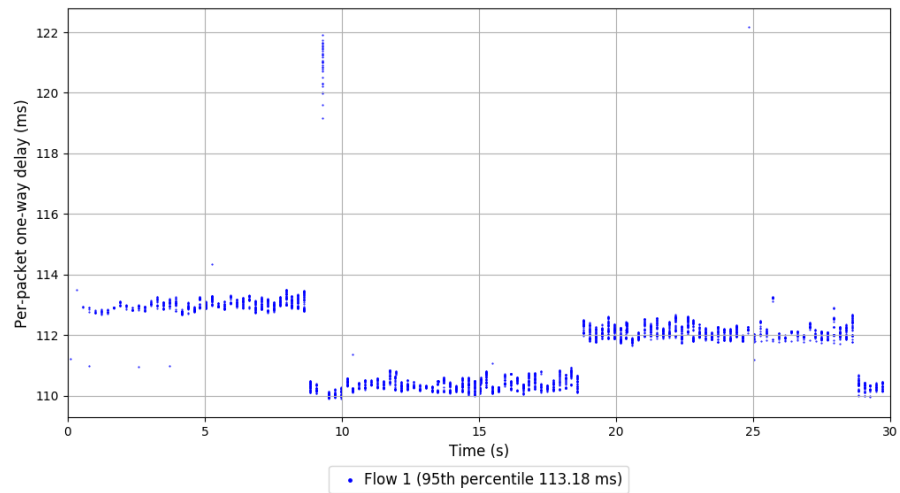
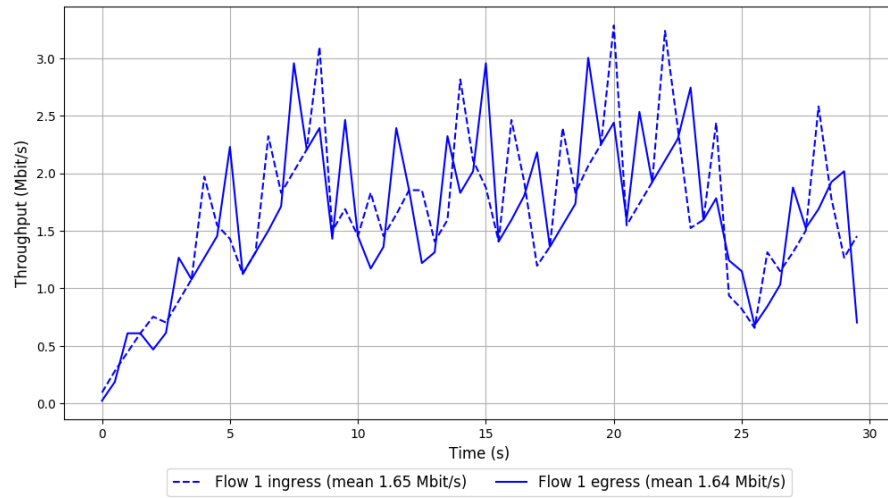
-- Flow 1:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 113.177 ms

Loss rate: 0.76%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-01-16 07:29:06

End at: 2018-01-16 07:29:36

Below is generated by plot.py at 2018-01-16 12:42:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 540.13 Mbit/s

95th percentile per-packet one-way delay: 235.819 ms

Loss rate: 2.47%

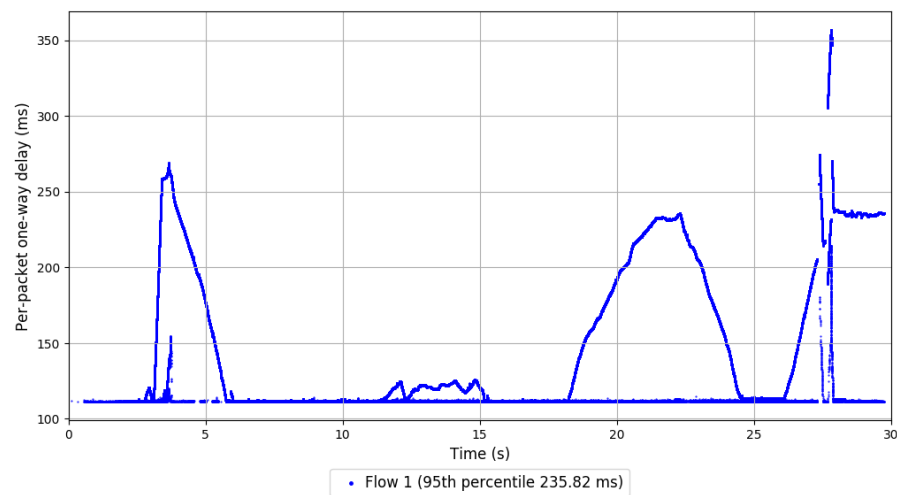
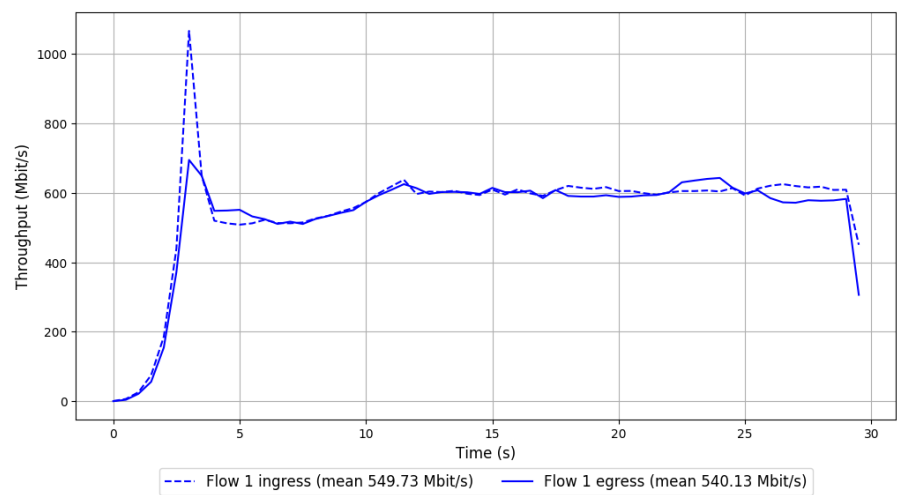
-- Flow 1:

Average throughput: 540.13 Mbit/s

95th percentile per-packet one-way delay: 235.819 ms

Loss rate: 2.47%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-16 07:43:57

End at: 2018-01-16 07:44:27

Below is generated by plot.py at 2018-01-16 12:42:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.03 Mbit/s

95th percentile per-packet one-way delay: 177.827 ms

Loss rate: 2.04%

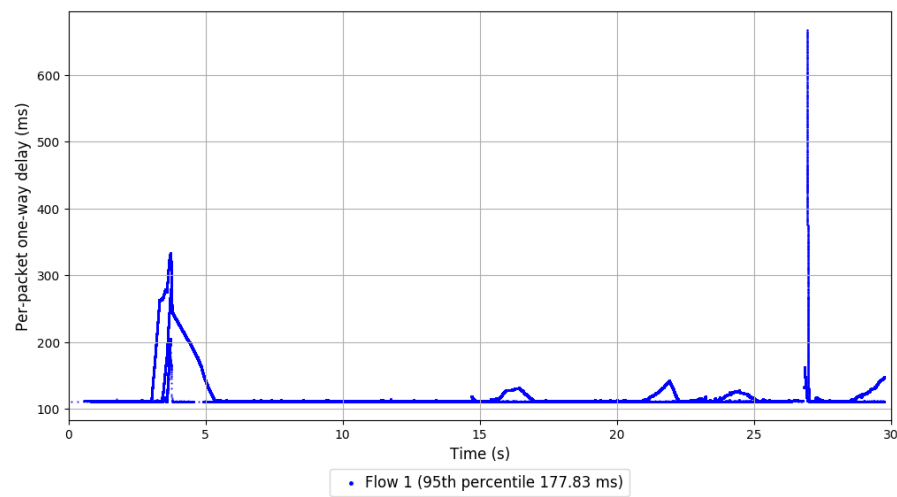
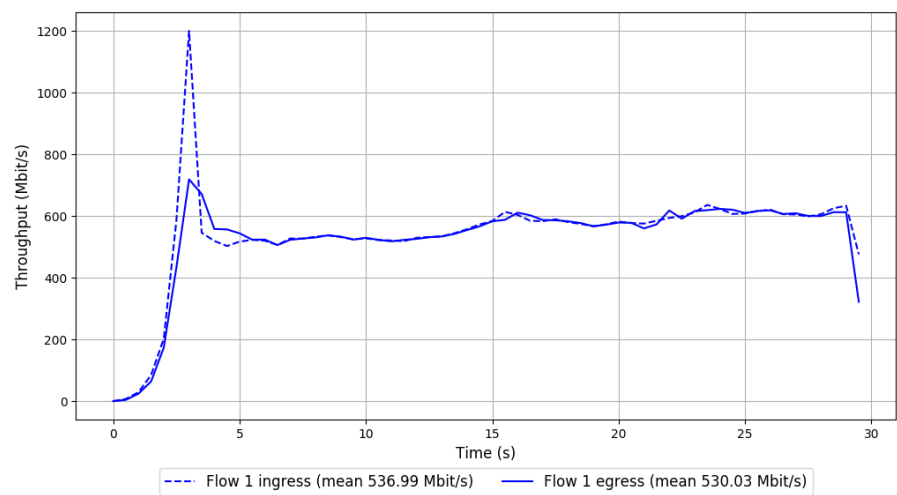
-- Flow 1:

Average throughput: 530.03 Mbit/s

95th percentile per-packet one-way delay: 177.827 ms

Loss rate: 2.04%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-16 07:59:20

End at: 2018-01-16 07:59:50

Below is generated by plot.py at 2018-01-16 12:42:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.71 Mbit/s

95th percentile per-packet one-way delay: 186.199 ms

Loss rate: 2.07%

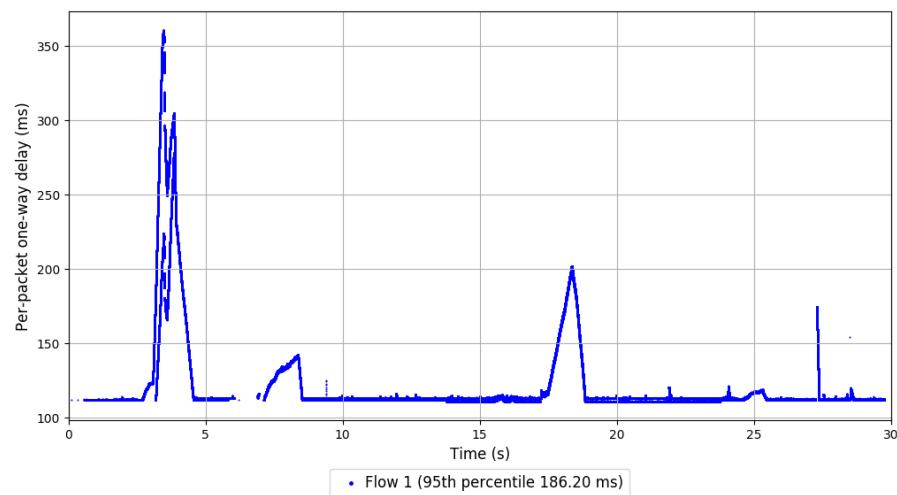
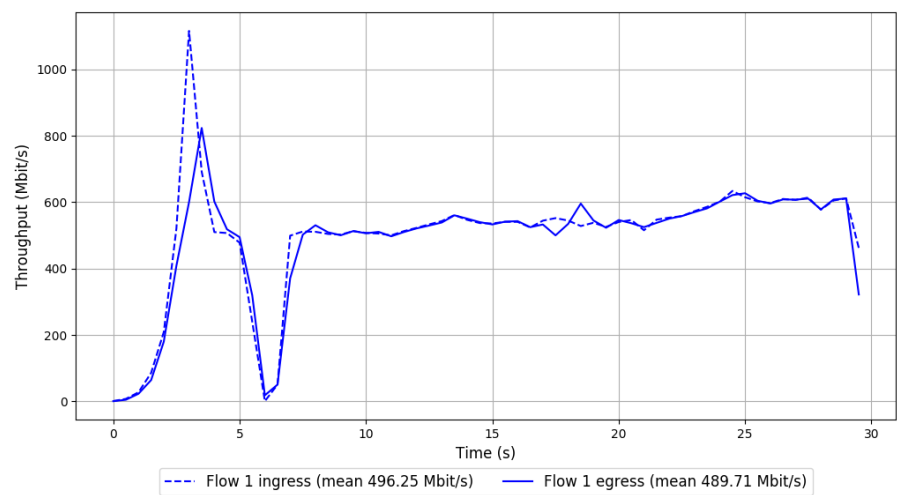
-- Flow 1:

Average throughput: 489.71 Mbit/s

95th percentile per-packet one-way delay: 186.199 ms

Loss rate: 2.07%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-16 08:14:08

End at: 2018-01-16 08:14:38

Below is generated by plot.py at 2018-01-16 12:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.23 Mbit/s

95th percentile per-packet one-way delay: 235.483 ms

Loss rate: 3.83%

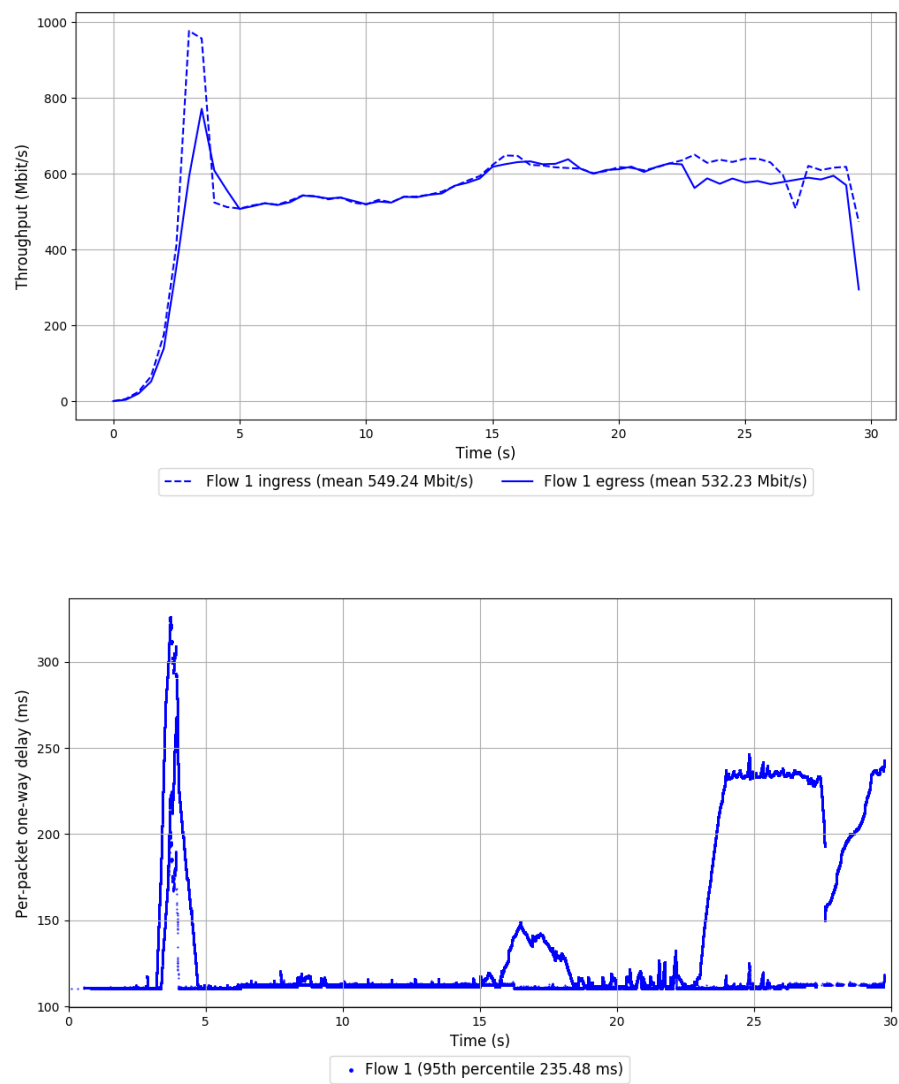
-- Flow 1:

Average throughput: 532.23 Mbit/s

95th percentile per-packet one-way delay: 235.483 ms

Loss rate: 3.83%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-16 08:29:33

End at: 2018-01-16 08:30:03

Below is generated by plot.py at 2018-01-16 12:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 464.72 Mbit/s

95th percentile per-packet one-way delay: 179.045 ms

Loss rate: 1.44%

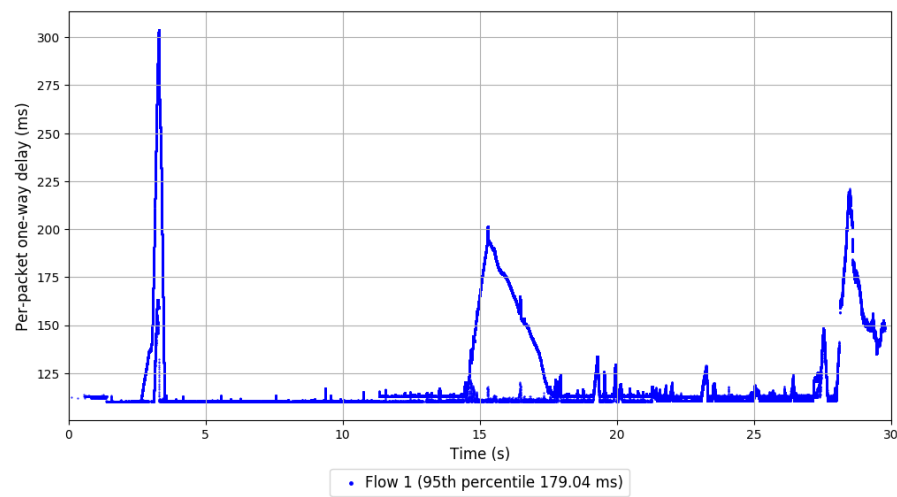
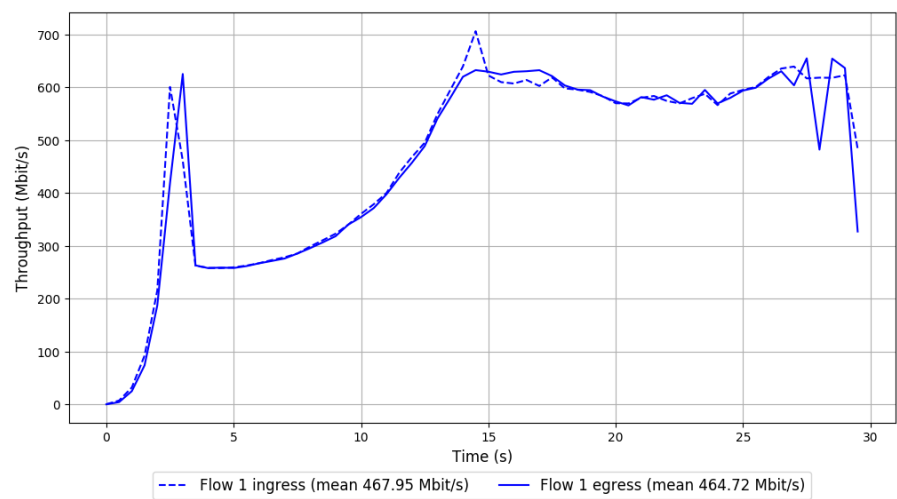
-- Flow 1:

Average throughput: 464.72 Mbit/s

95th percentile per-packet one-way delay: 179.045 ms

Loss rate: 1.44%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-16 08:44:36

End at: 2018-01-16 08:45:06

Below is generated by plot.py at 2018-01-16 12:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.47 Mbit/s

95th percentile per-packet one-way delay: 203.129 ms

Loss rate: 2.51%

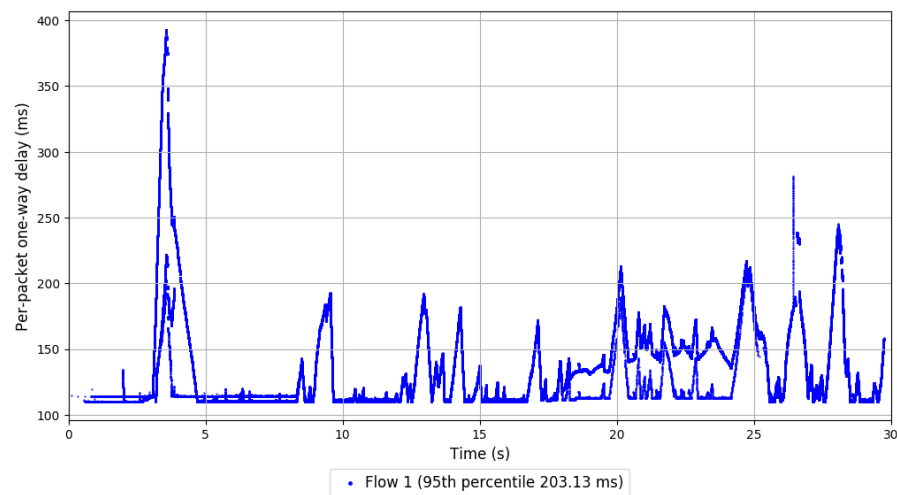
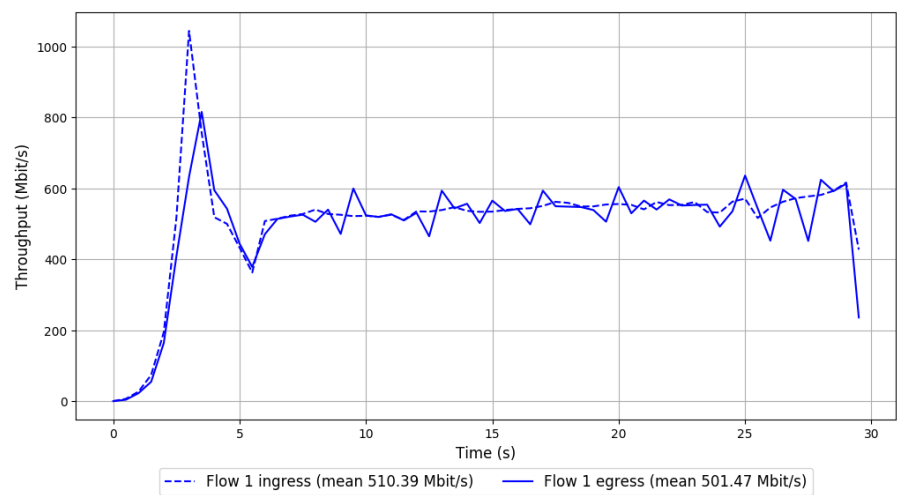
-- Flow 1:

Average throughput: 501.47 Mbit/s

95th percentile per-packet one-way delay: 203.129 ms

Loss rate: 2.51%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

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

End at: 2018-01-16 08:59:38

Below is generated by plot.py at 2018-01-16 12:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.41 Mbit/s

95th percentile per-packet one-way delay: 171.034 ms

Loss rate: 1.82%

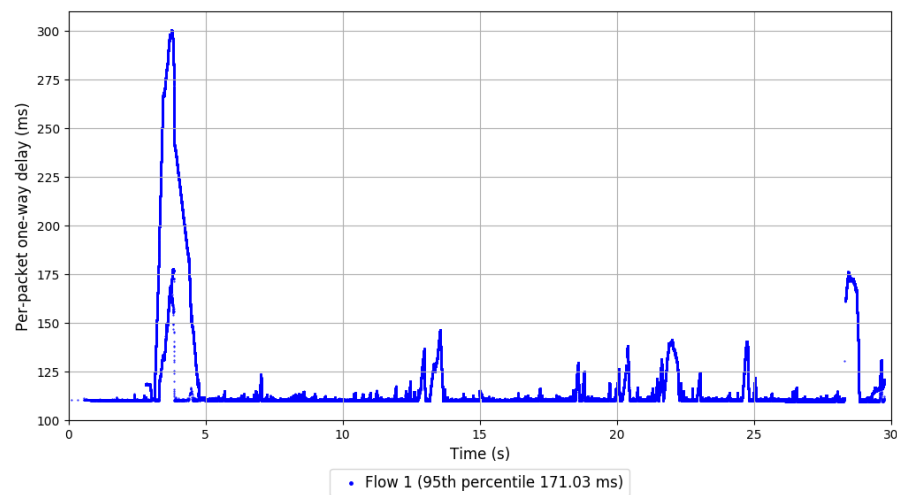
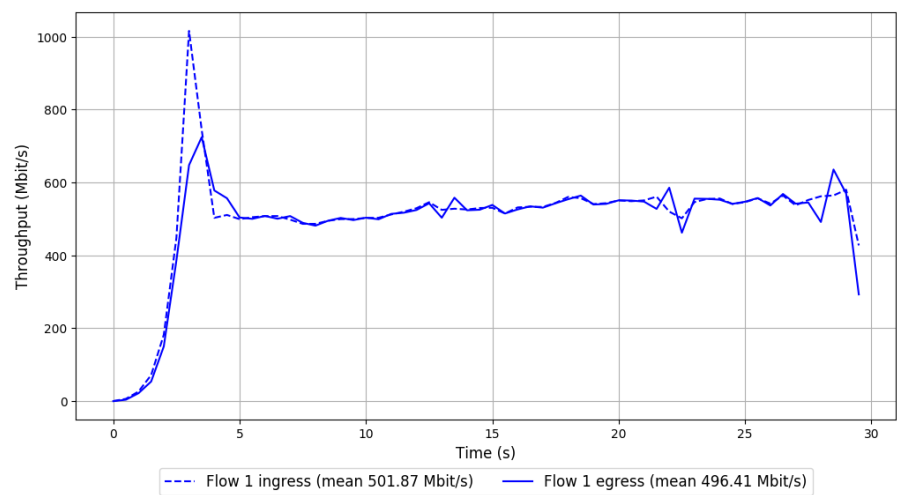
-- Flow 1:

Average throughput: 496.41 Mbit/s

95th percentile per-packet one-way delay: 171.034 ms

Loss rate: 1.82%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-16 09:14:34

End at: 2018-01-16 09:15:04

Below is generated by plot.py at 2018-01-16 12:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.10 Mbit/s

95th percentile per-packet one-way delay: 249.271 ms

Loss rate: 0.92%

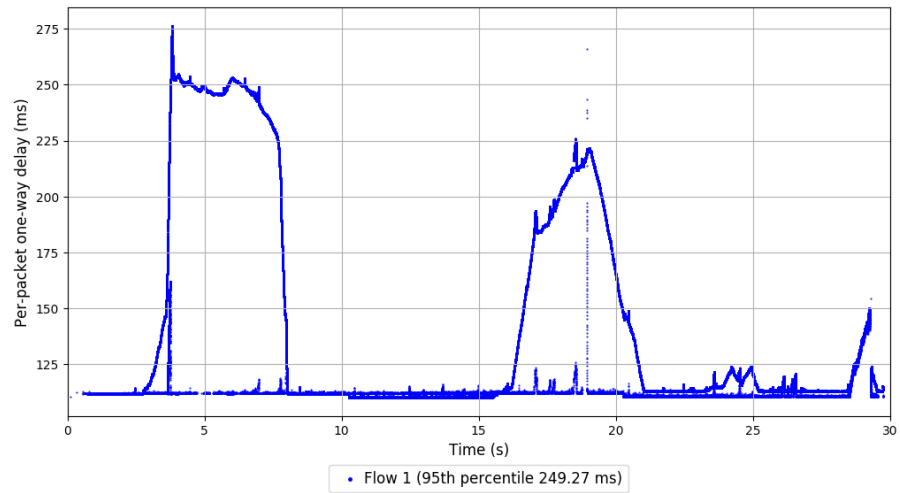
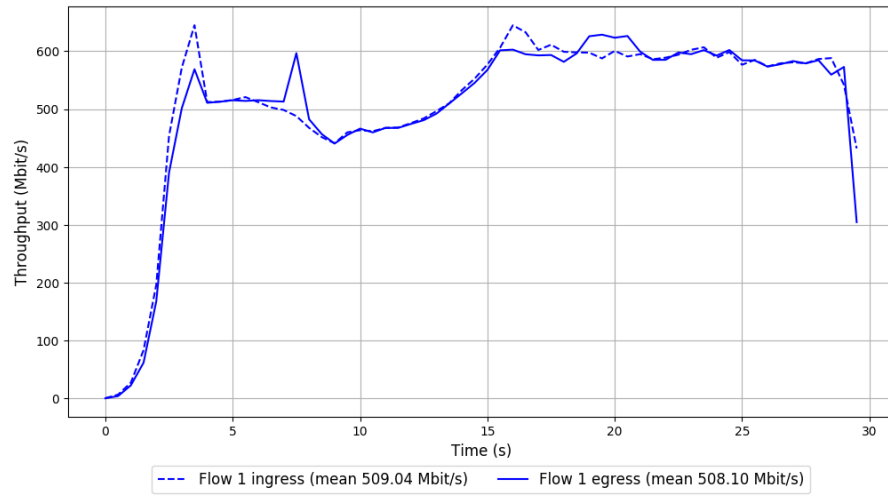
-- Flow 1:

Average throughput: 508.10 Mbit/s

95th percentile per-packet one-way delay: 249.271 ms

Loss rate: 0.92%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-16 09:29:37

End at: 2018-01-16 09:30:07

Below is generated by plot.py at 2018-01-16 12:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 515.65 Mbit/s

95th percentile per-packet one-way delay: 139.539 ms

Loss rate: 2.05%

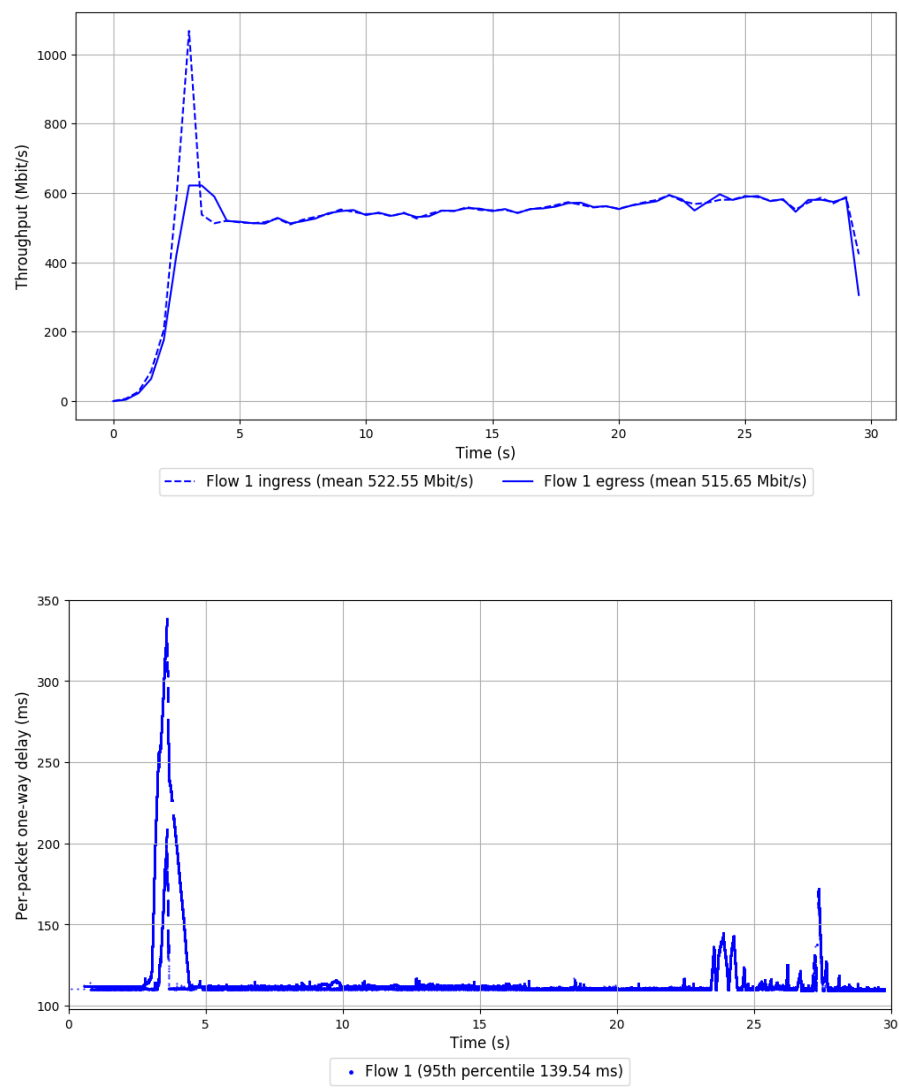
-- Flow 1:

Average throughput: 515.65 Mbit/s

95th percentile per-packet one-way delay: 139.539 ms

Loss rate: 2.05%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-16 09:44:35

End at: 2018-01-16 09:45:05

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.90 Mbit/s

95th percentile per-packet one-way delay: 241.036 ms

Loss rate: 2.65%

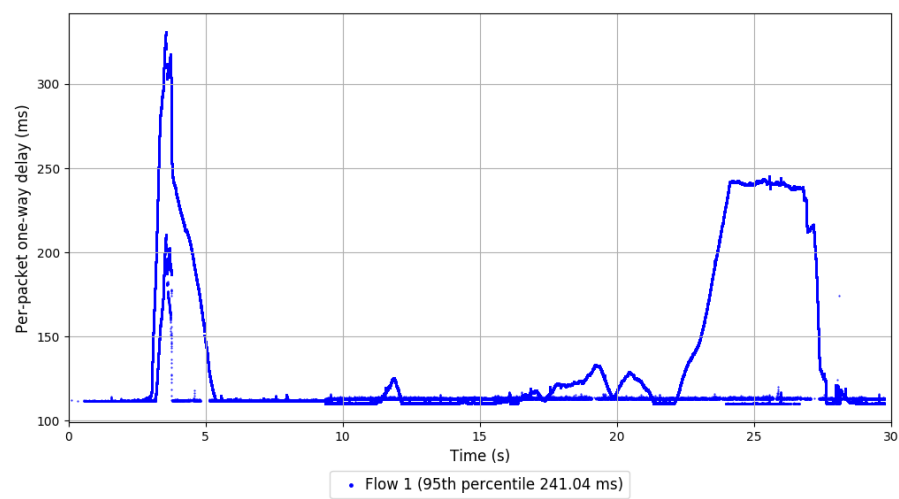
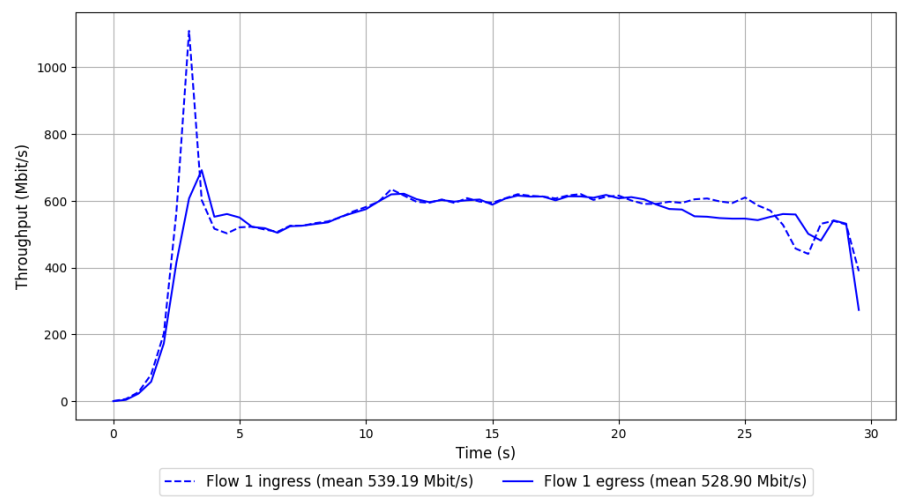
-- Flow 1:

Average throughput: 528.90 Mbit/s

95th percentile per-packet one-way delay: 241.036 ms

Loss rate: 2.65%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 07:27:27

End at: 2018-01-16 07:27:57

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.29 Mbit/s

95th percentile per-packet one-way delay: 110.993 ms

Loss rate: 0.91%

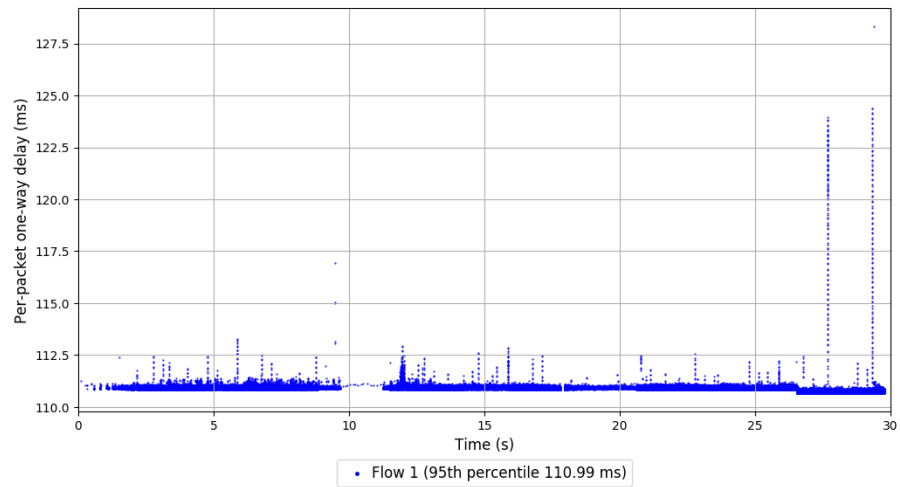
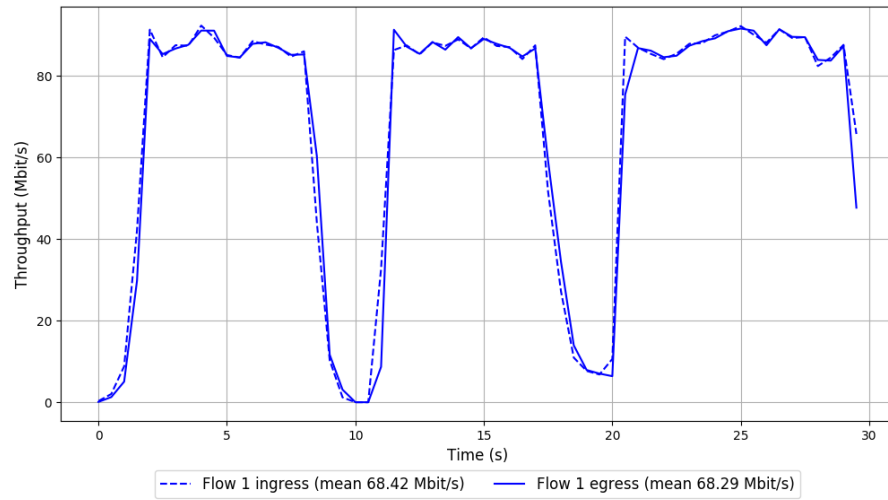
-- Flow 1:

Average throughput: 68.29 Mbit/s

95th percentile per-packet one-way delay: 110.993 ms

Loss rate: 0.91%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 07:42:20

End at: 2018-01-16 07:42:51

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 111.434 ms

Loss rate: 0.99%

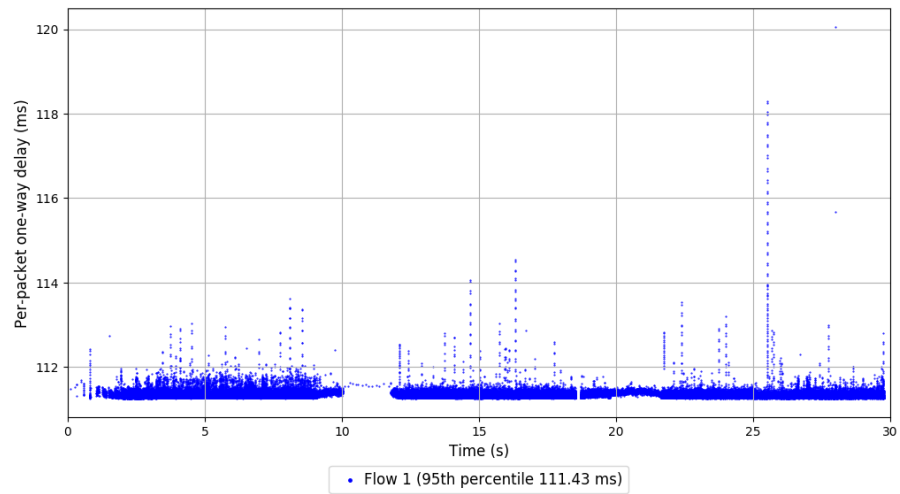
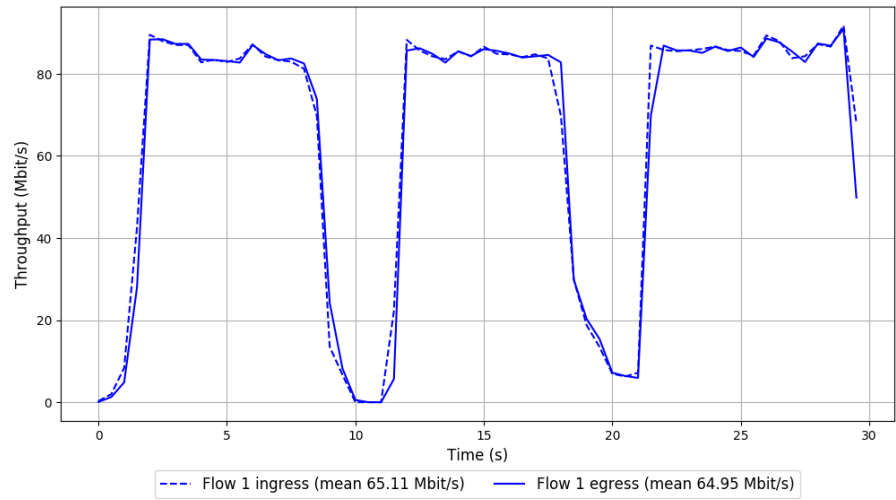
-- Flow 1:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 111.434 ms

Loss rate: 0.99%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-16 07:57:47

End at: 2018-01-16 07:58:17

Run 3: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of QUIC Cubic

Start at: 2018-01-16 08:12:29

End at: 2018-01-16 08:12:59

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 110.586 ms

Loss rate: 0.97%

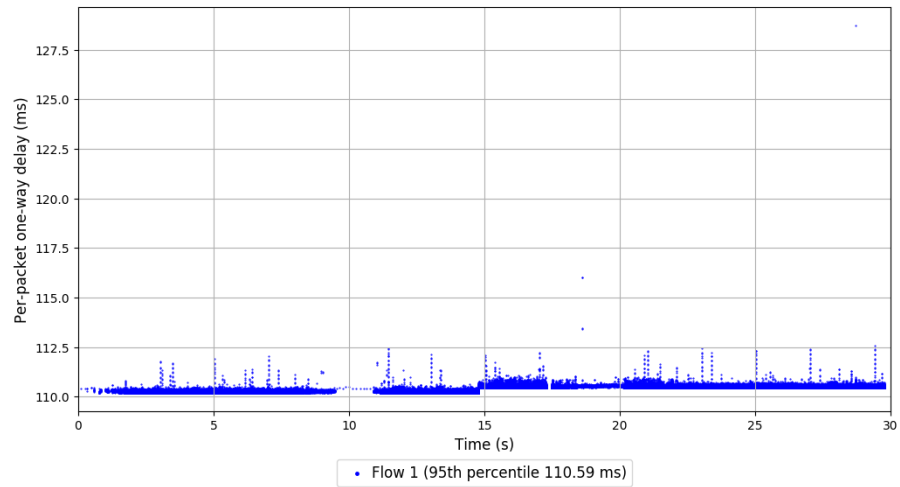
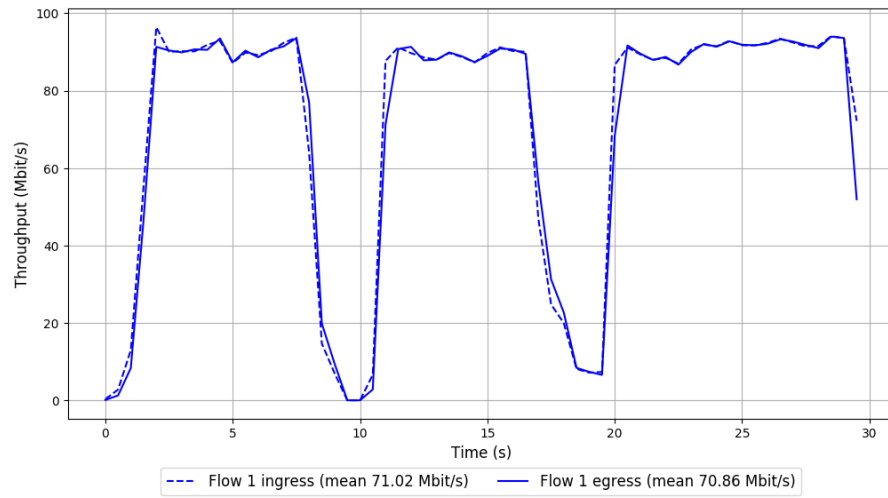
-- Flow 1:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 110.586 ms

Loss rate: 0.97%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-16 08:27:57

End at: 2018-01-16 08:28:27

Run 5: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of QUIC Cubic

Start at: 2018-01-16 08:42:55

End at: 2018-01-16 08:43:25

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.94 Mbit/s

95th percentile per-packet one-way delay: 111.001 ms

Loss rate: 0.96%

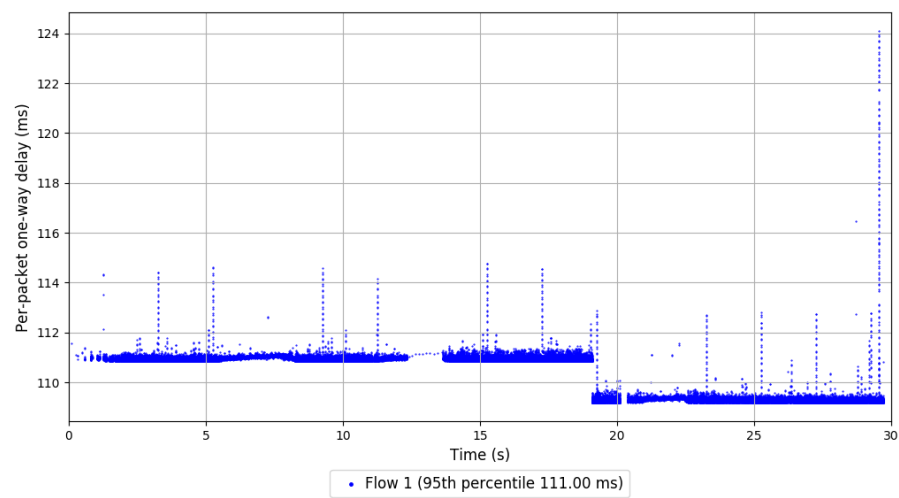
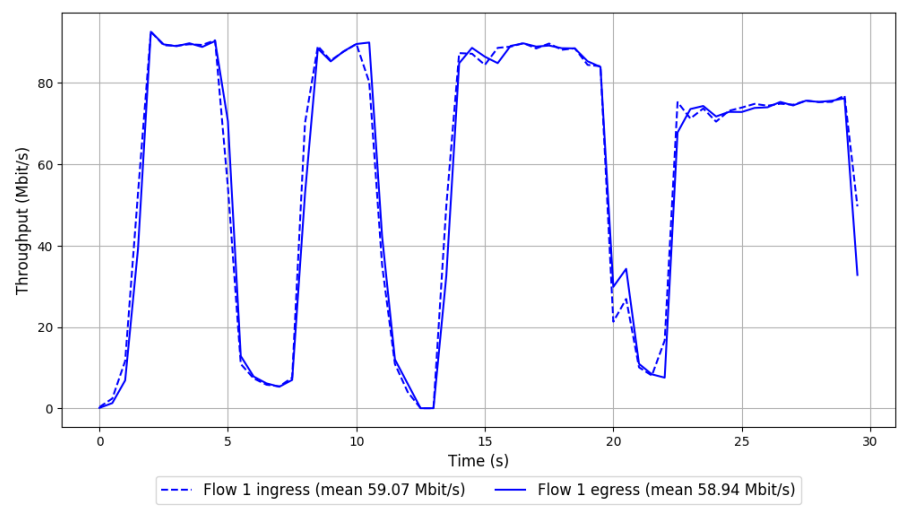
-- Flow 1:

Average throughput: 58.94 Mbit/s

95th percentile per-packet one-way delay: 111.001 ms

Loss rate: 0.96%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-16 08:57:35

End at: 2018-01-16 08:58:05

Run 7: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of QUIC Cubic

Start at: 2018-01-16 09:12:55

End at: 2018-01-16 09:13:25

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.54 Mbit/s

95th percentile per-packet one-way delay: 111.793 ms

Loss rate: 0.91%

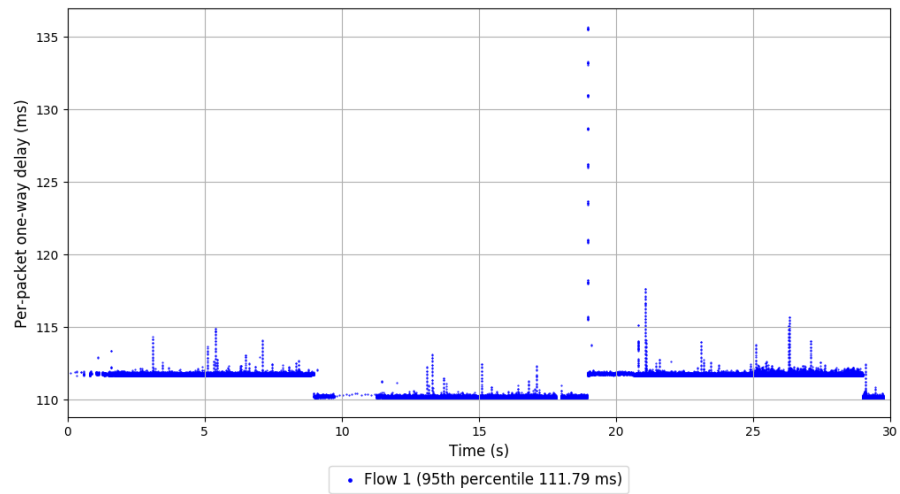
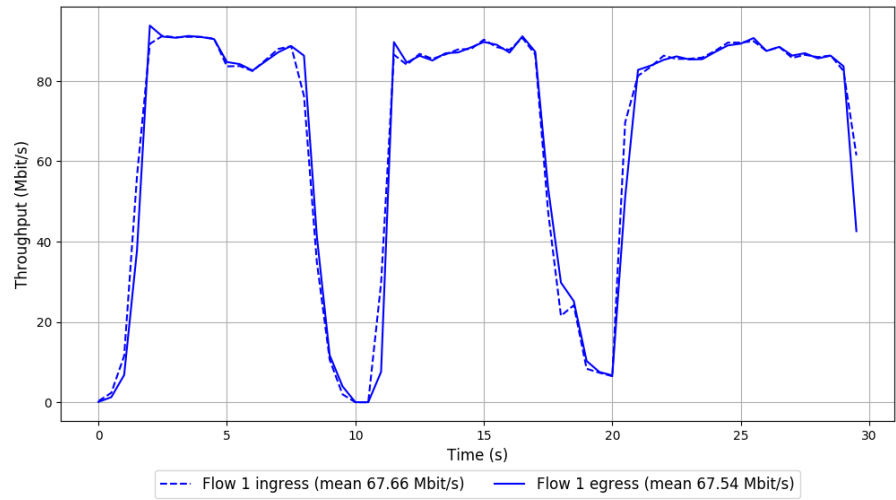
-- Flow 1:

Average throughput: 67.54 Mbit/s

95th percentile per-packet one-way delay: 111.793 ms

Loss rate: 0.91%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-16 09:27:59

End at: 2018-01-16 09:28:29

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.43 Mbit/s

95th percentile per-packet one-way delay: 109.934 ms

Loss rate: 1.01%

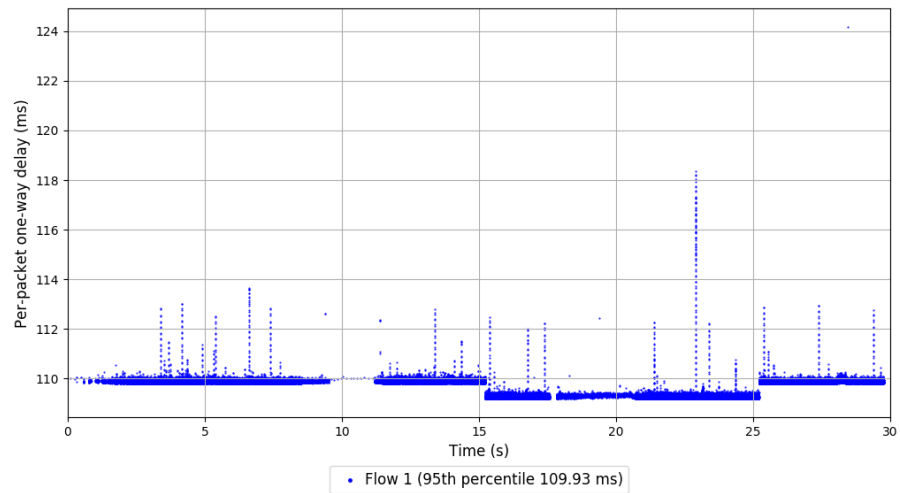
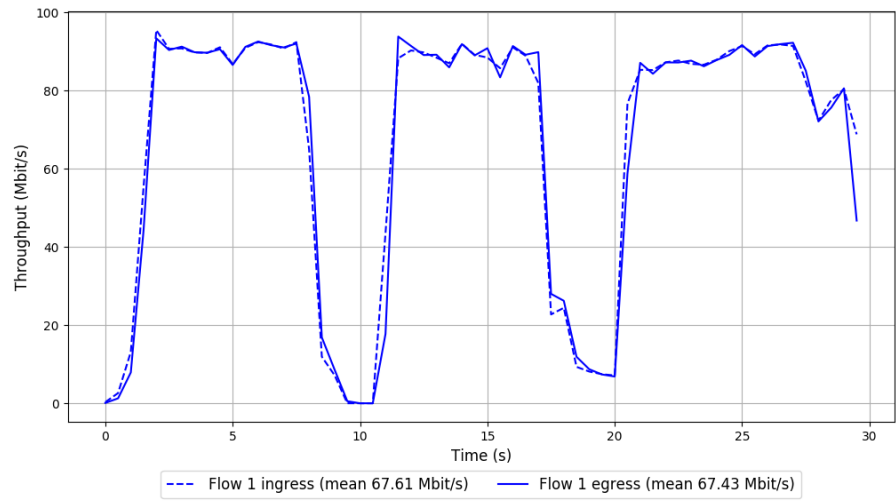
-- Flow 1:

Average throughput: 67.43 Mbit/s

95th percentile per-packet one-way delay: 109.934 ms

Loss rate: 1.01%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-16 09:42:56

End at: 2018-01-16 09:43:27

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.16 Mbit/s

95th percentile per-packet one-way delay: 112.160 ms

Loss rate: 0.94%

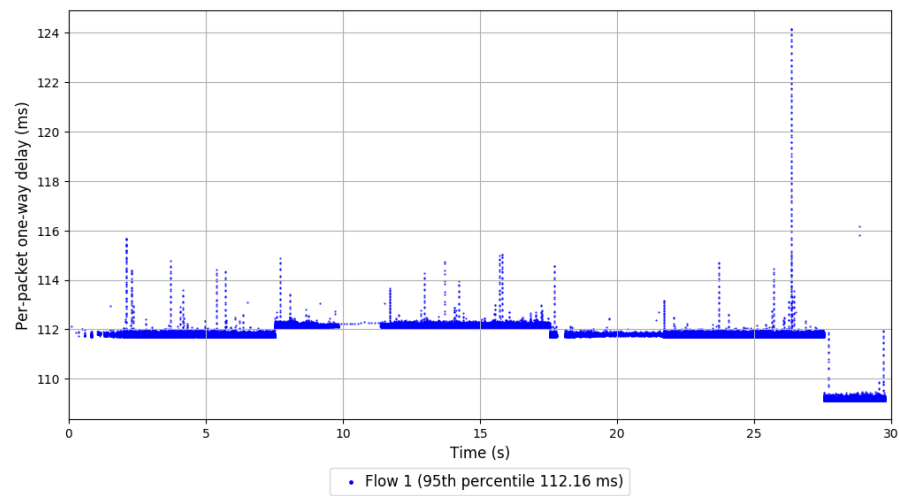
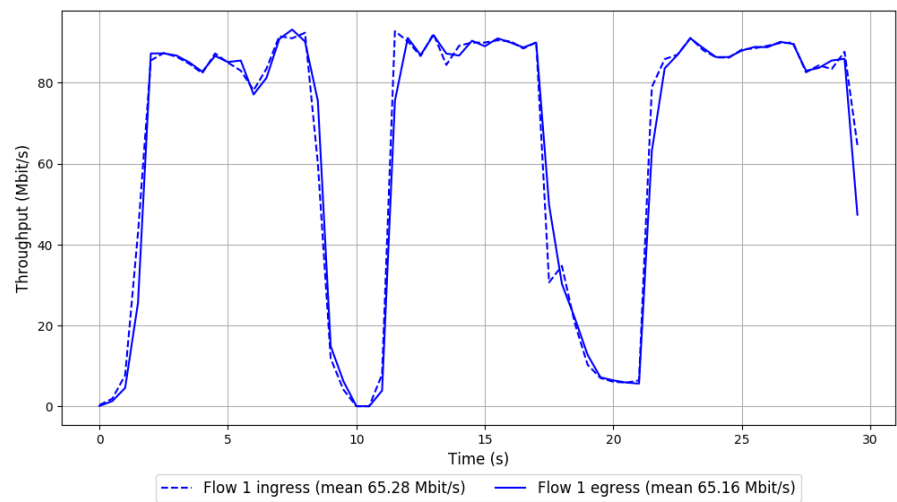
-- Flow 1:

Average throughput: 65.16 Mbit/s

95th percentile per-packet one-way delay: 112.160 ms

Loss rate: 0.94%

Run 10: Report of QUIC Cubic — Data Link

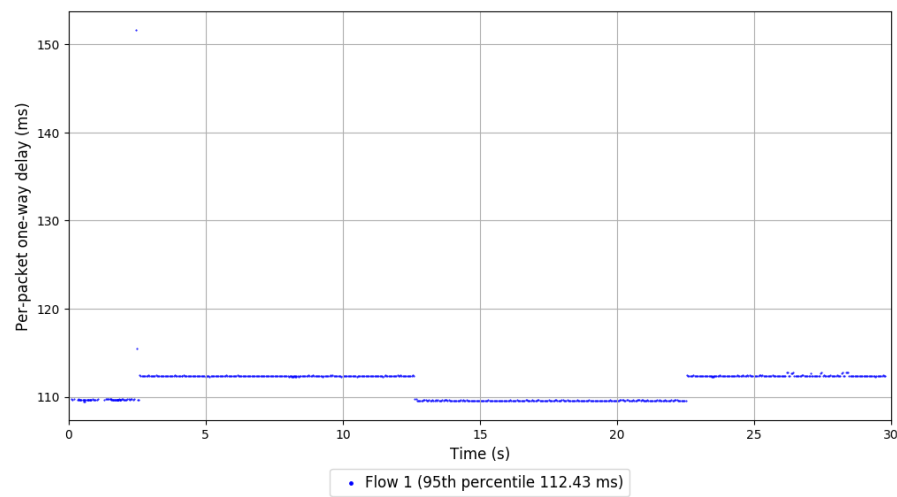
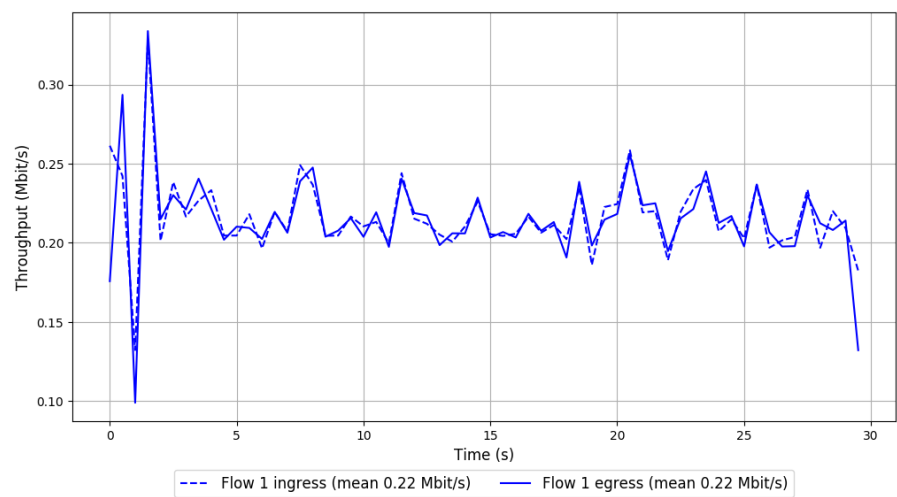


```
Run 1: Statistics of SCReAM

Start at: 2018-01-16 07:24:21
End at: 2018-01-16 07:24:51

# Below is generated by plot.py at 2018-01-16 12:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.426 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.426 ms
Loss rate: 0.77%
```

Run 1: Report of SReAM — Data Link

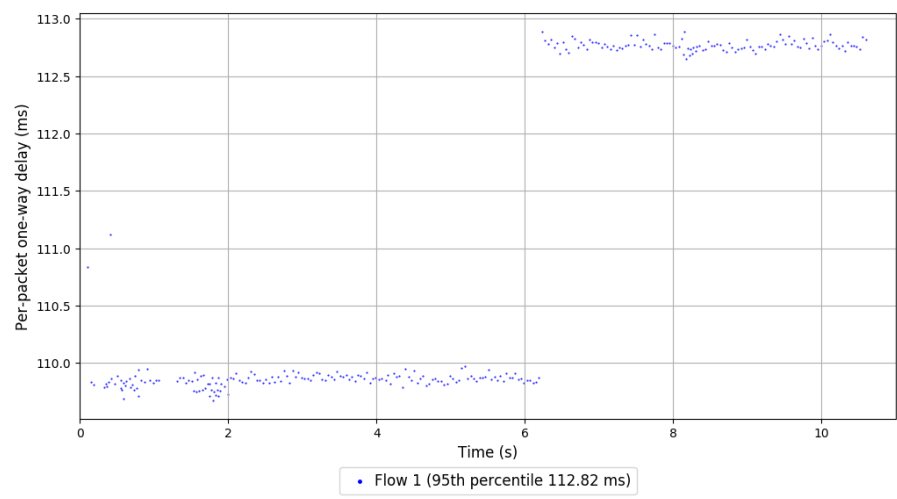
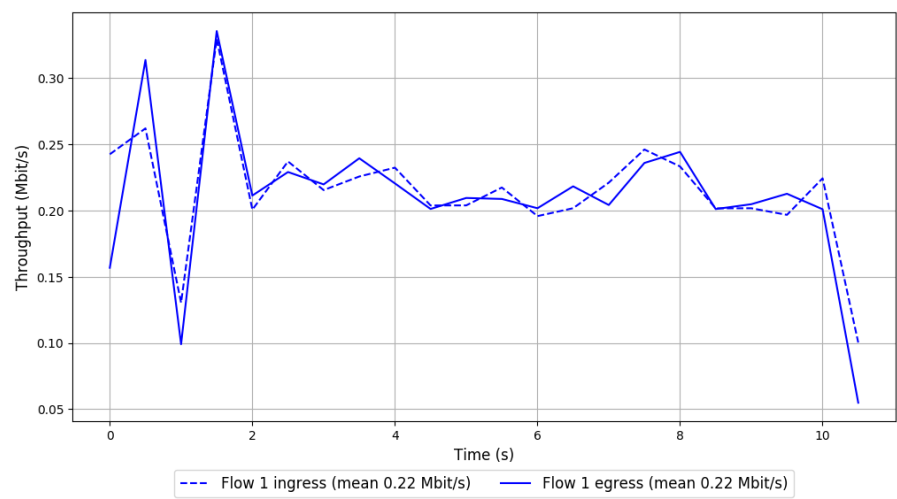


Run 2: Statistics of SReAM

Start at: 2018-01-16 07:39:19

End at: 2018-01-16 07:39:49

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-16 07:54:35

End at: 2018-01-16 07:55:05

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.090 ms

Loss rate: 0.77%

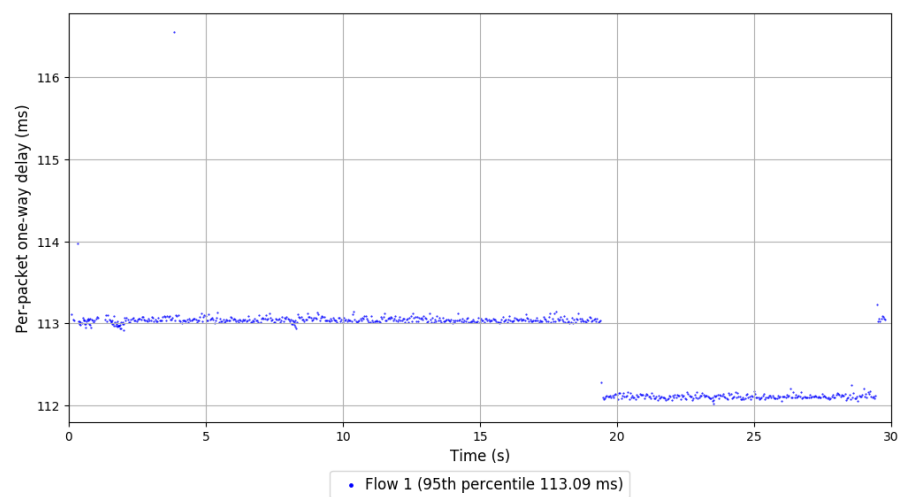
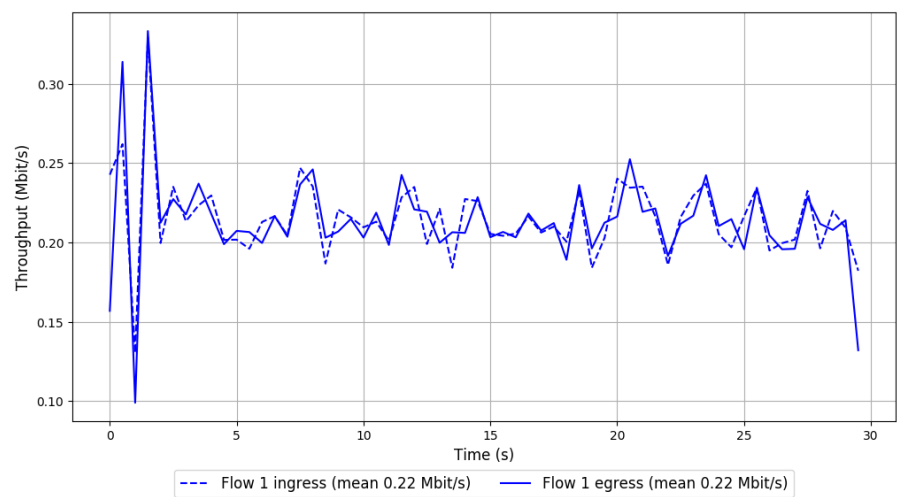
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.090 ms

Loss rate: 0.77%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-16 08:09:24

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

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 115.085 ms

Loss rate: 0.64%

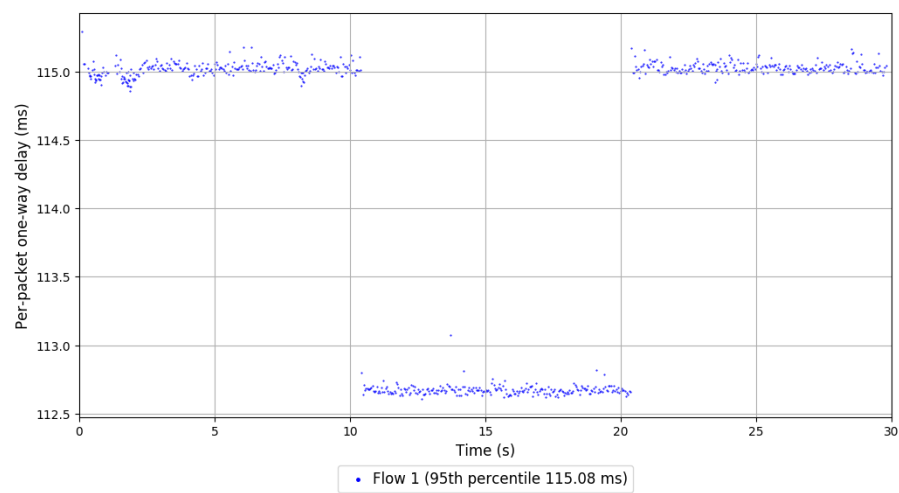
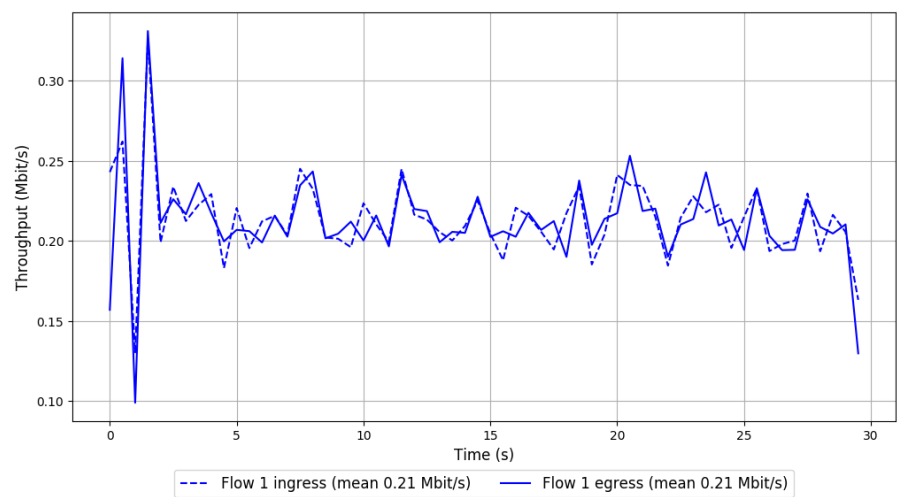
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 115.085 ms

Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

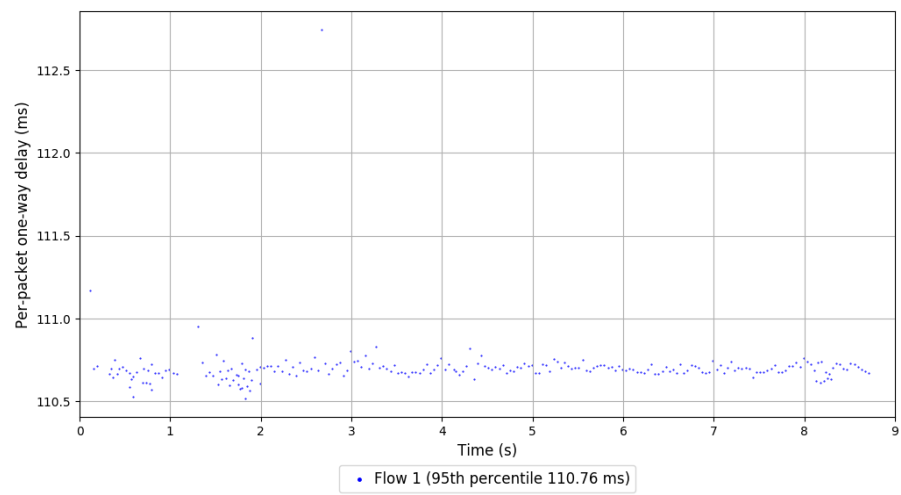
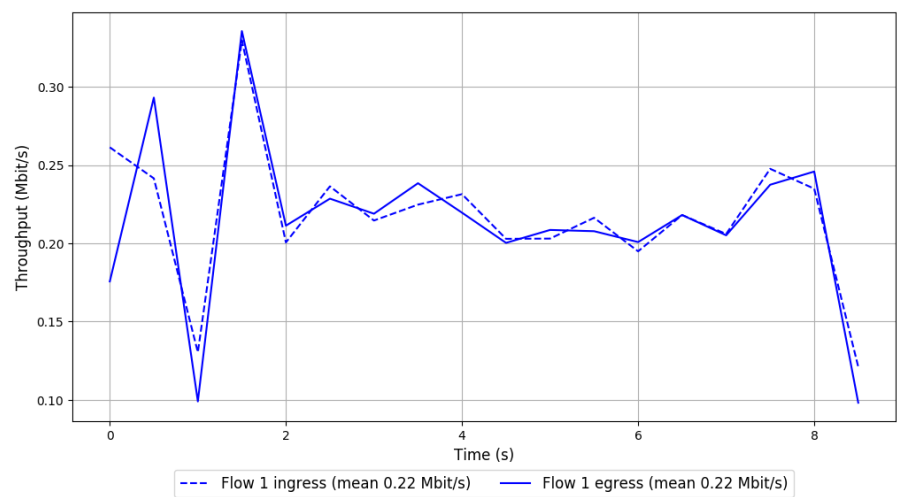


Run 5: Statistics of SReAM

Start at: 2018-01-16 08:24:49

End at: 2018-01-16 08:25:19

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-16 08:39:45

End at: 2018-01-16 08:40:15

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.248 ms

Loss rate: 0.77%

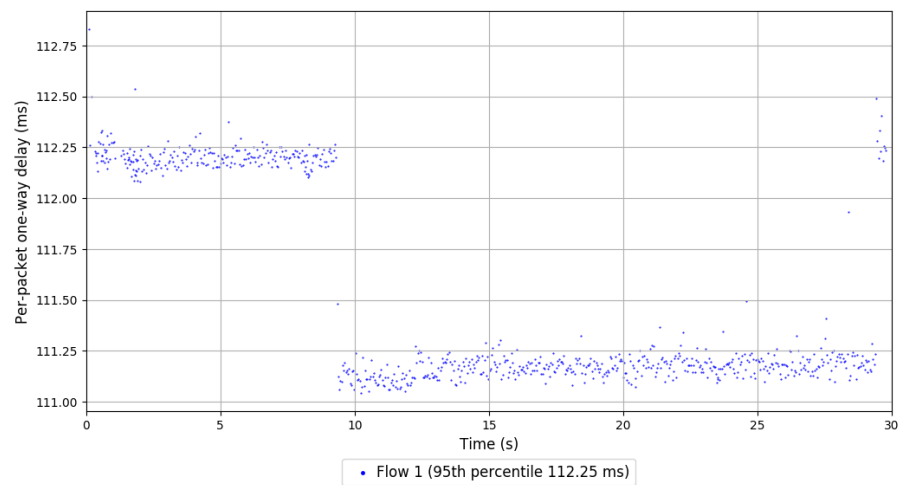
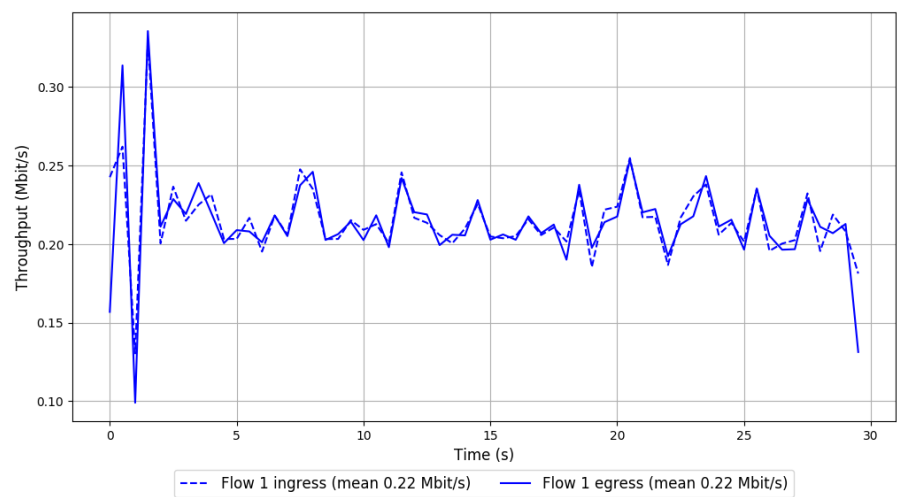
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.248 ms

Loss rate: 0.77%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-16 08:54:25

End at: 2018-01-16 08:54:55

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.062 ms

Loss rate: 0.77%

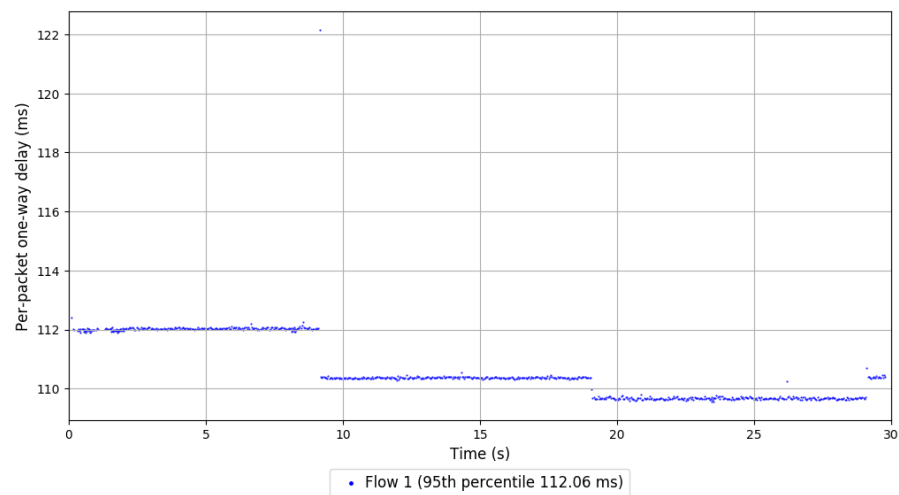
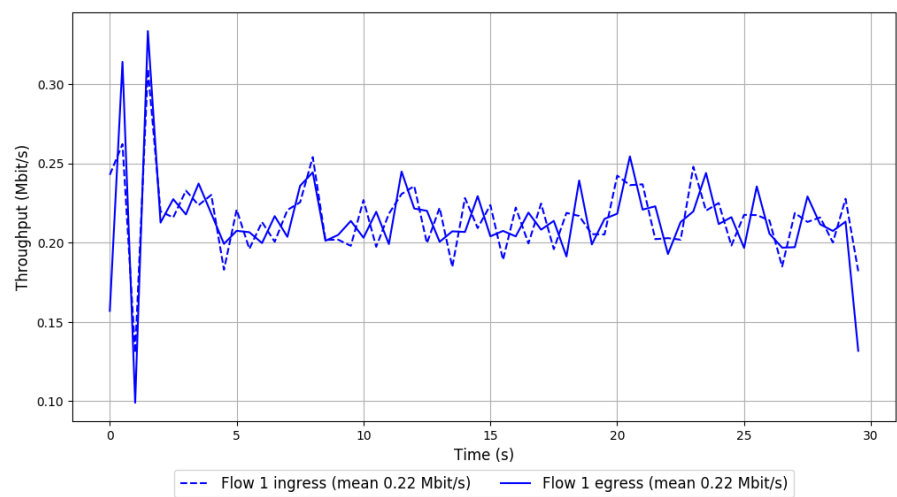
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.062 ms

Loss rate: 0.77%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-16 09:09:45

End at: 2018-01-16 09:10:15

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.072 ms

Loss rate: 0.64%

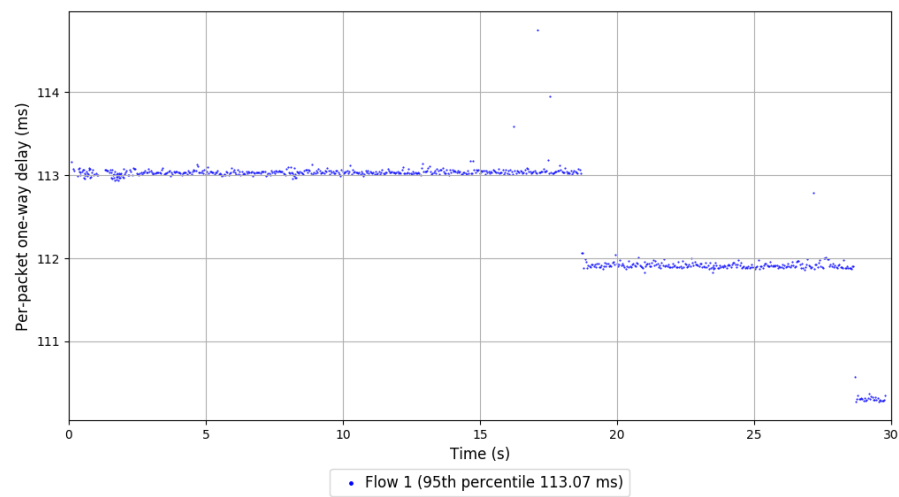
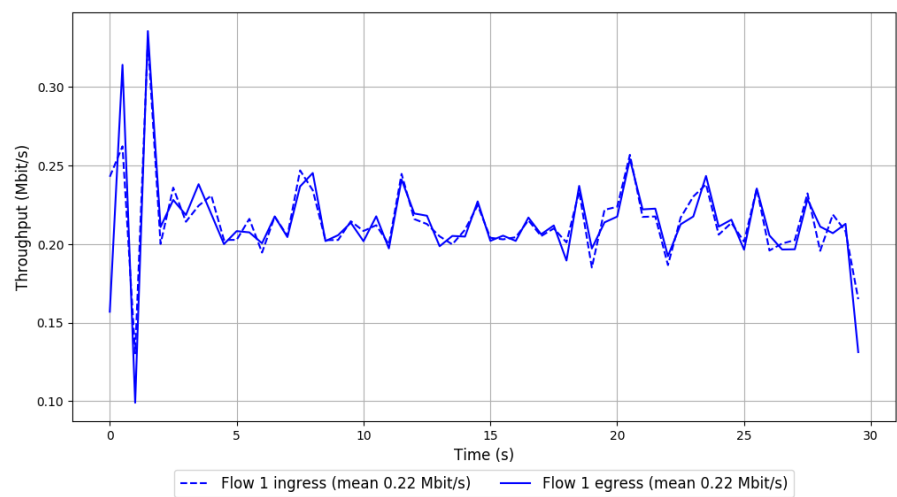
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.072 ms

Loss rate: 0.64%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-16 09:24:49

End at: 2018-01-16 09:25:19

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.321 ms

Loss rate: 0.76%

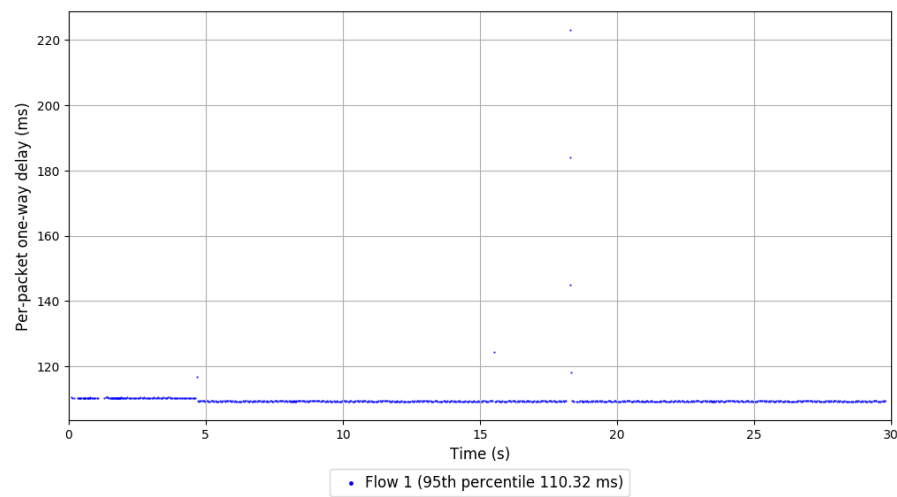
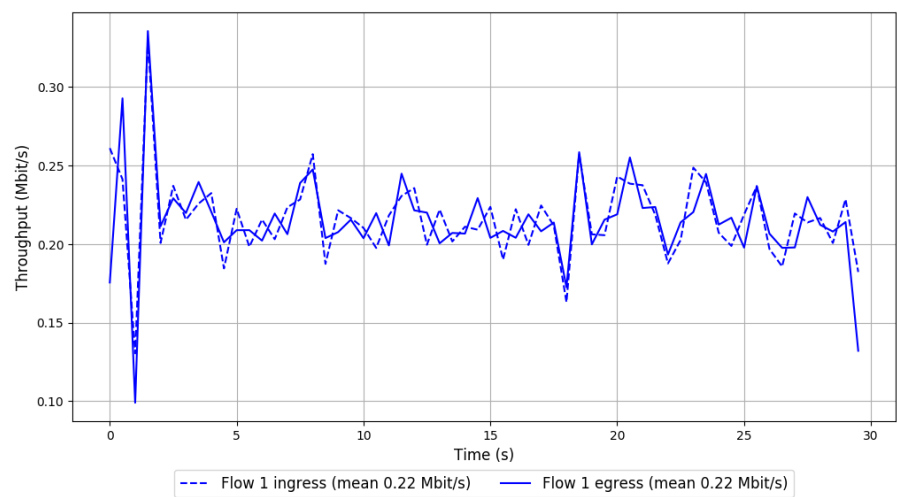
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.321 ms

Loss rate: 0.76%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-16 09:39:43

End at: 2018-01-16 09:40:13

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.040 ms

Loss rate: 0.77%

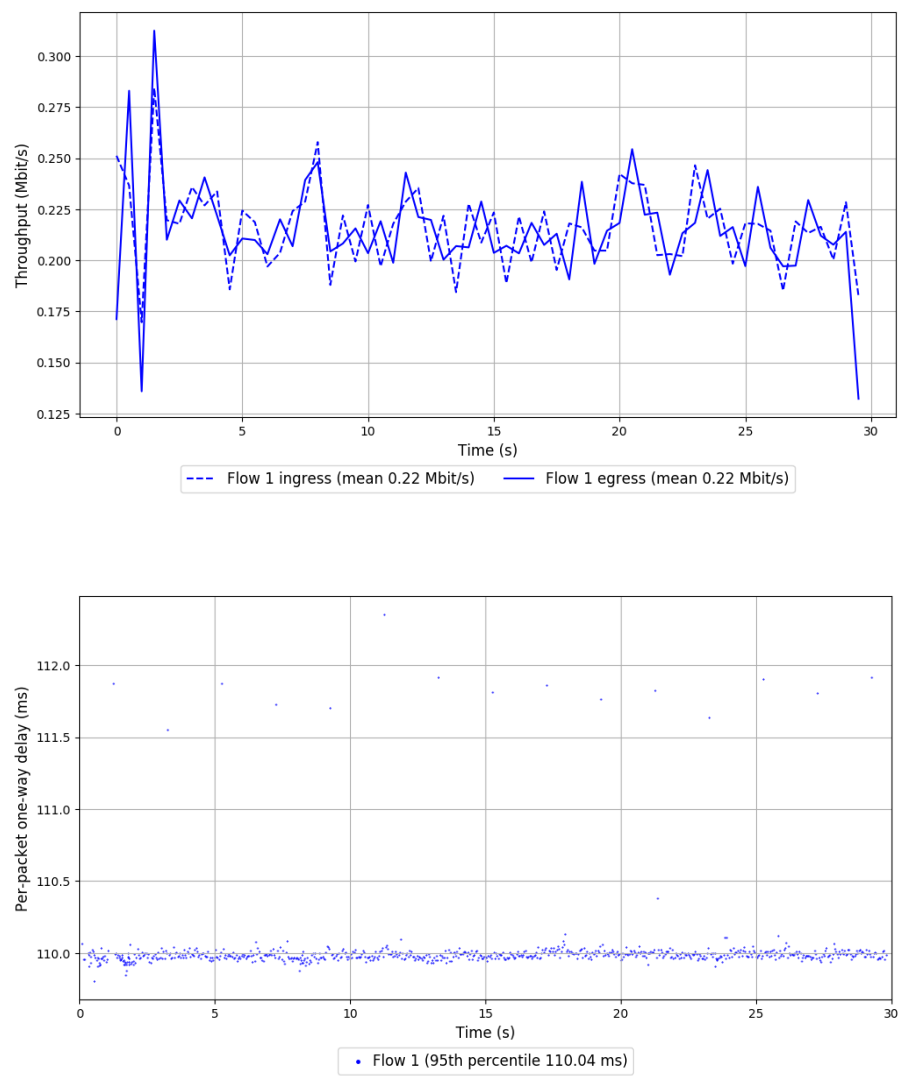
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.040 ms

Loss rate: 0.77%

Run 10: Report of SReAM — Data Link

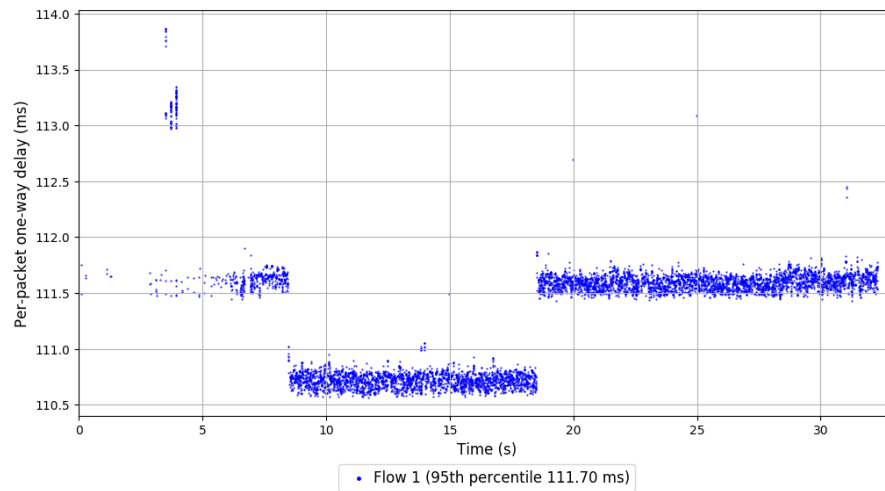
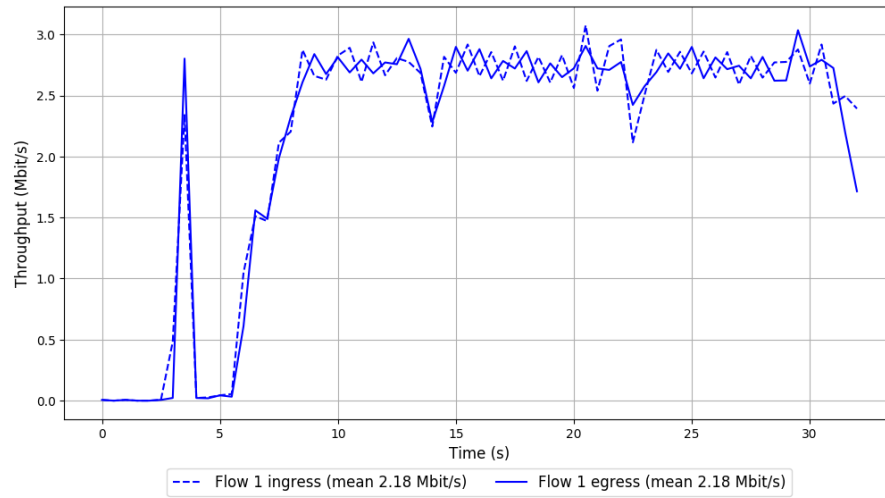


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-16 07:30:08
End at: 2018-01-16 07:30:38

# Below is generated by plot.py at 2018-01-16 12:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 111.699 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 111.699 ms
Loss rate: 0.92%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-16 07:45:01

End at: 2018-01-16 07:45:31

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 112.319 ms

Loss rate: 0.93%

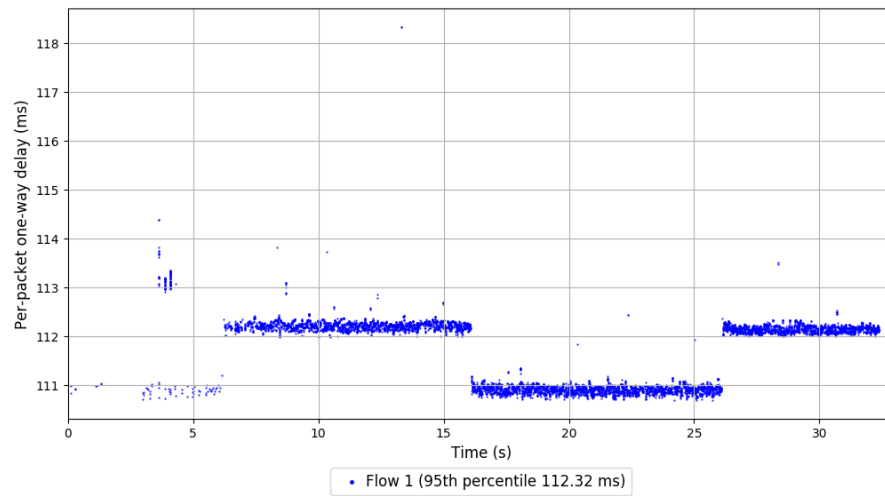
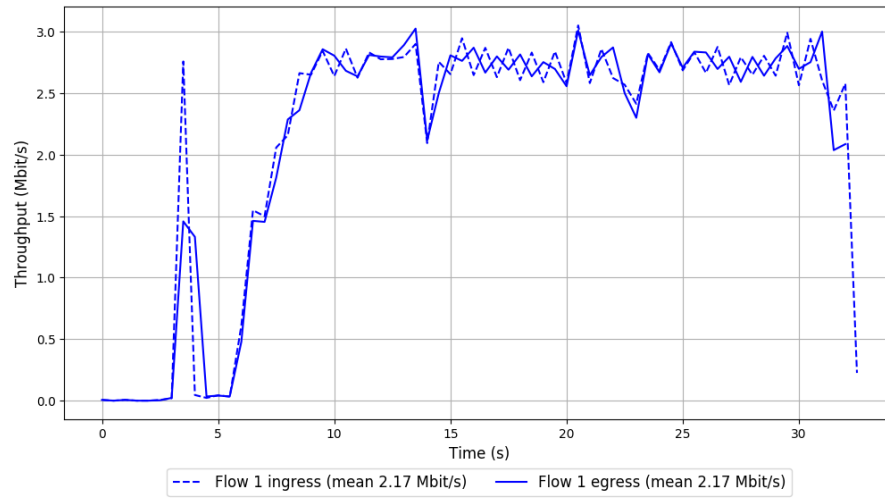
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 112.319 ms

Loss rate: 0.93%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-16 08:00:21

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

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 113.263 ms

Loss rate: 0.77%

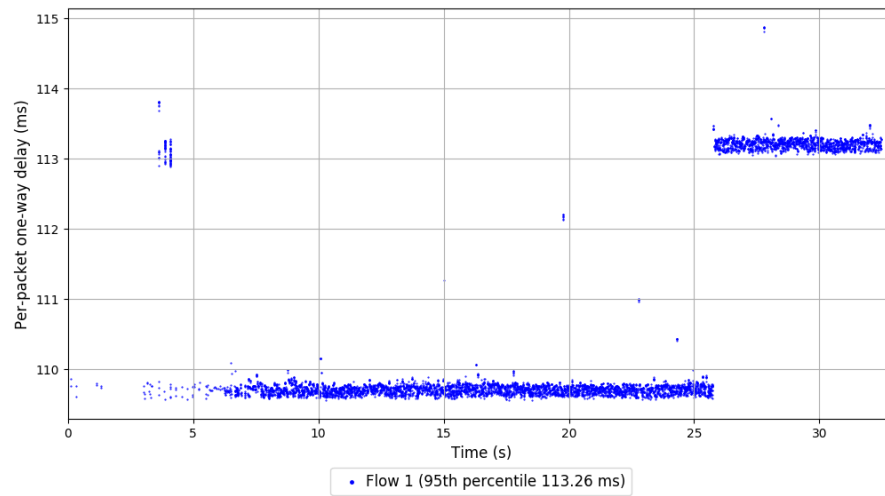
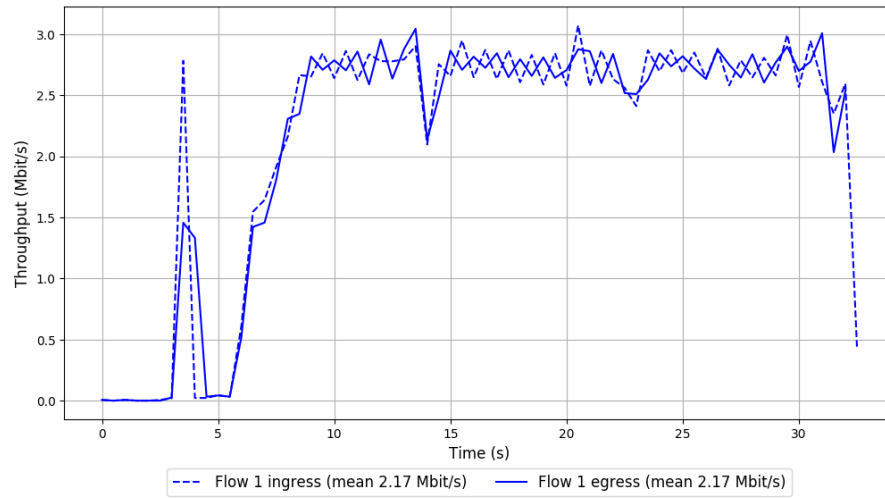
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 113.263 ms

Loss rate: 0.77%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-16 08:15:10

End at: 2018-01-16 08:15:40

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 110.507 ms

Loss rate: 0.77%

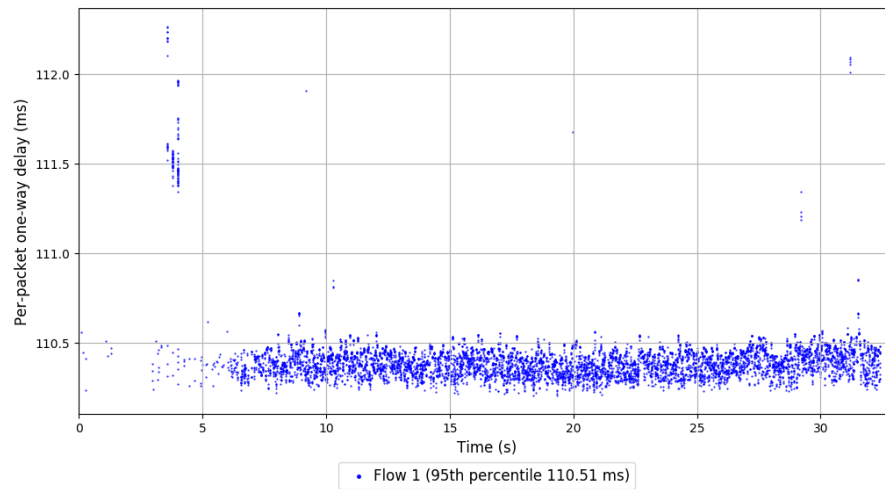
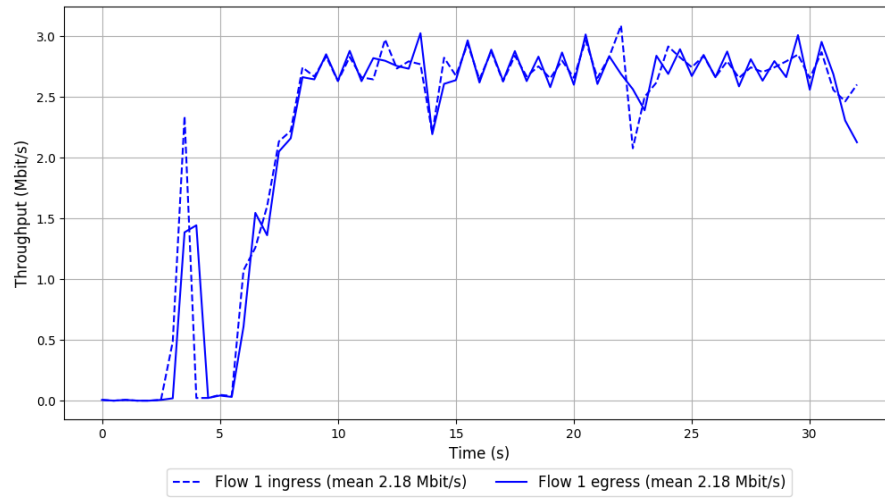
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 110.507 ms

Loss rate: 0.77%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-16 08:30:36

End at: 2018-01-16 08:31:06

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 112.559 ms

Loss rate: 0.92%

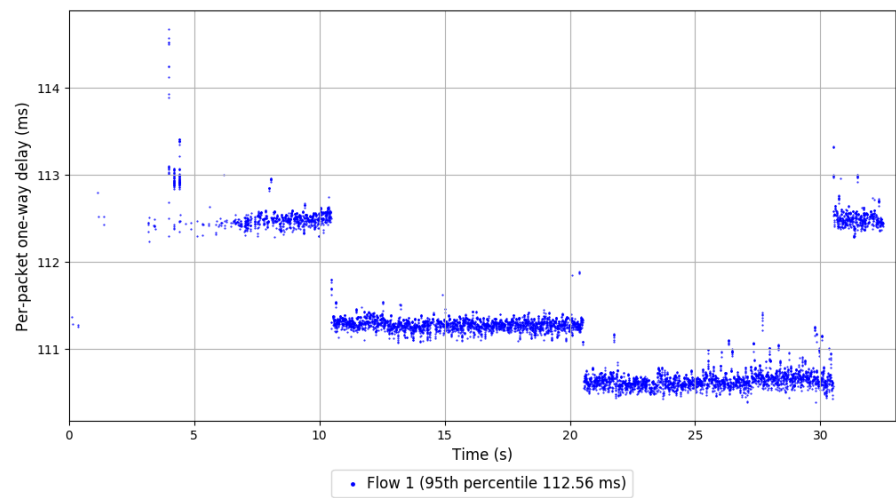
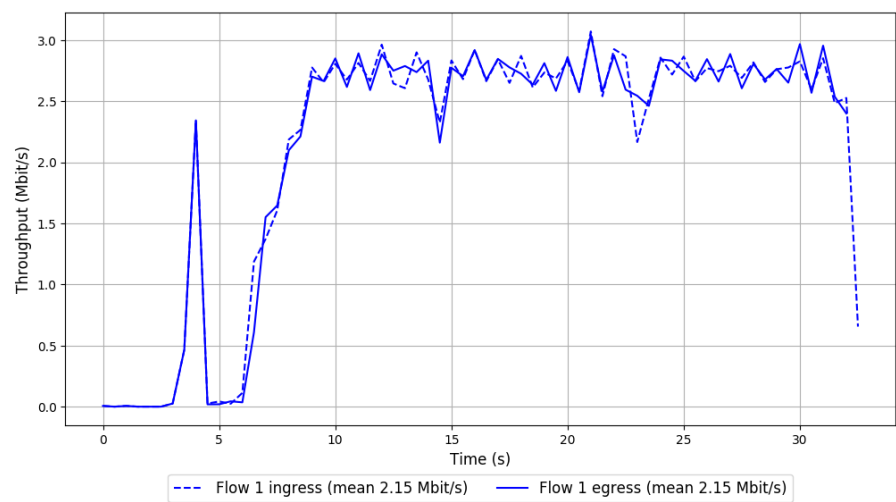
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 112.559 ms

Loss rate: 0.92%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-16 08:45:41

End at: 2018-01-16 08:46:11

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 114.423 ms

Loss rate: 0.71%

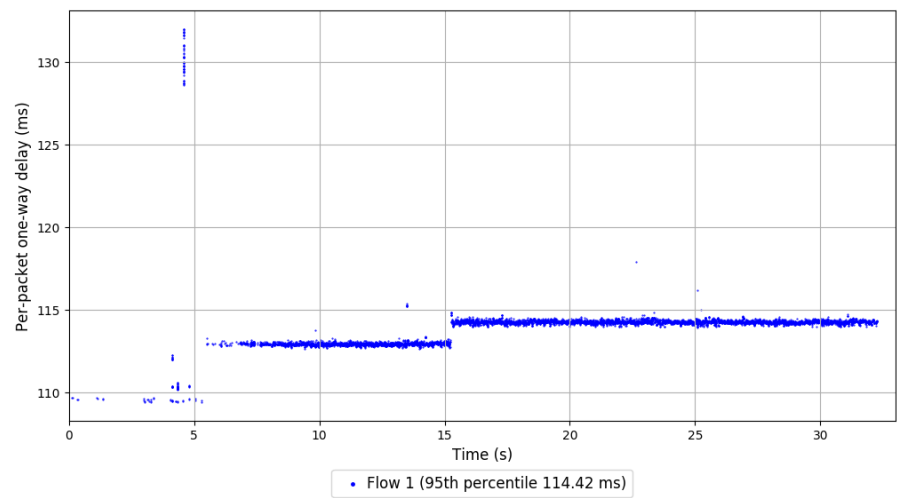
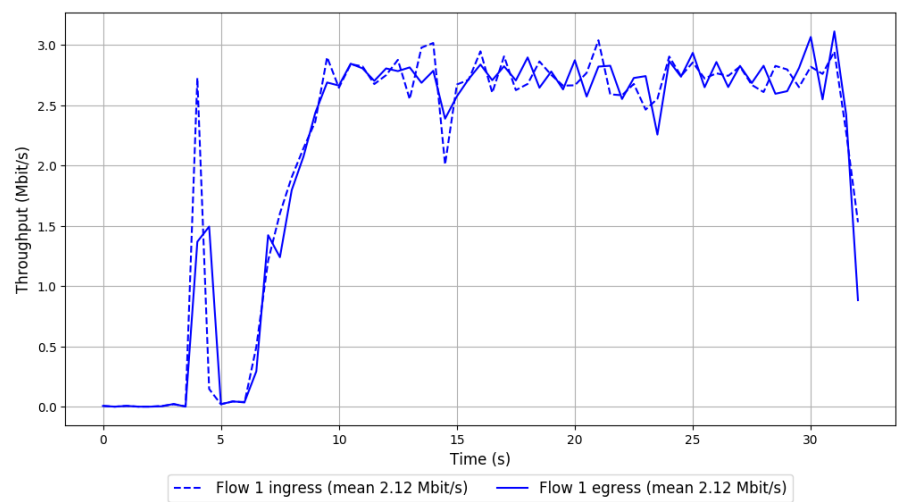
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 114.423 ms

Loss rate: 0.71%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-16 09:00:11

End at: 2018-01-16 09:00:41

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 111.500 ms

Loss rate: 0.63%

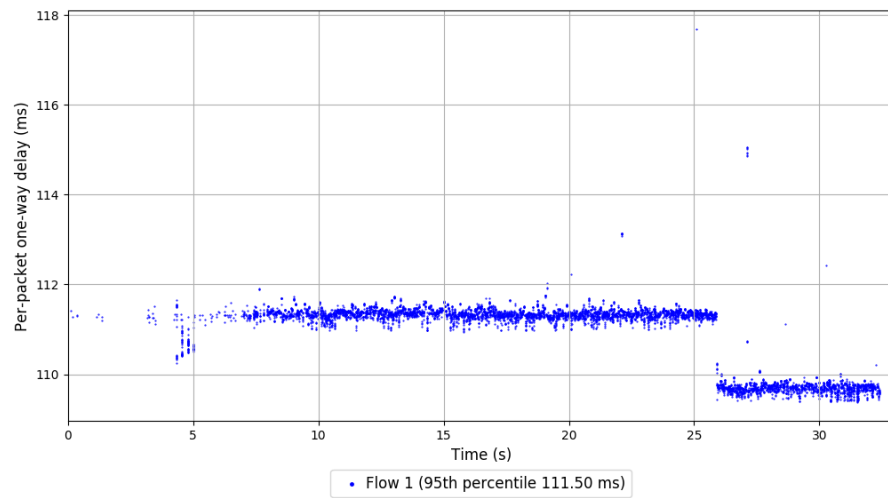
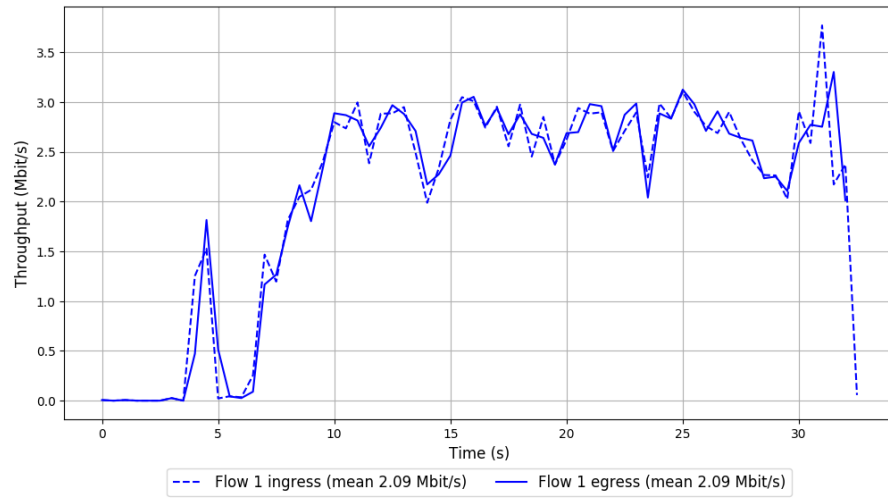
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 111.500 ms

Loss rate: 0.63%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-16 09:15:37

End at: 2018-01-16 09:16:07

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 112.146 ms

Loss rate: 0.69%

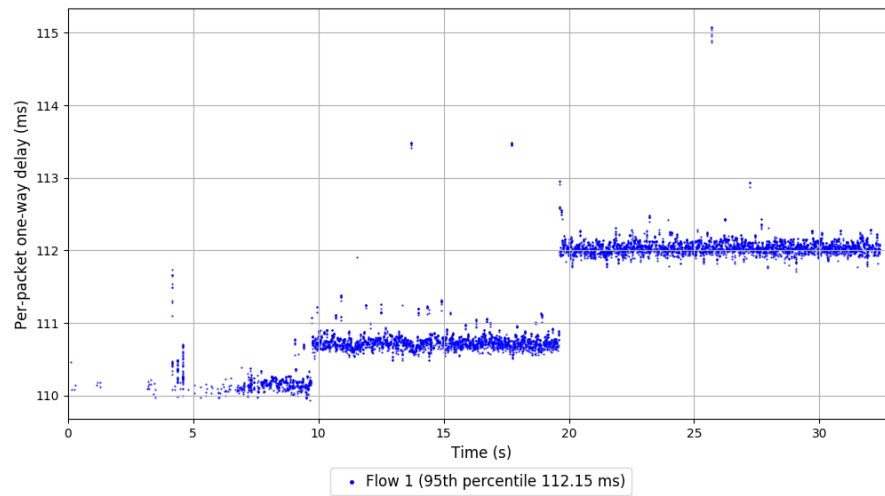
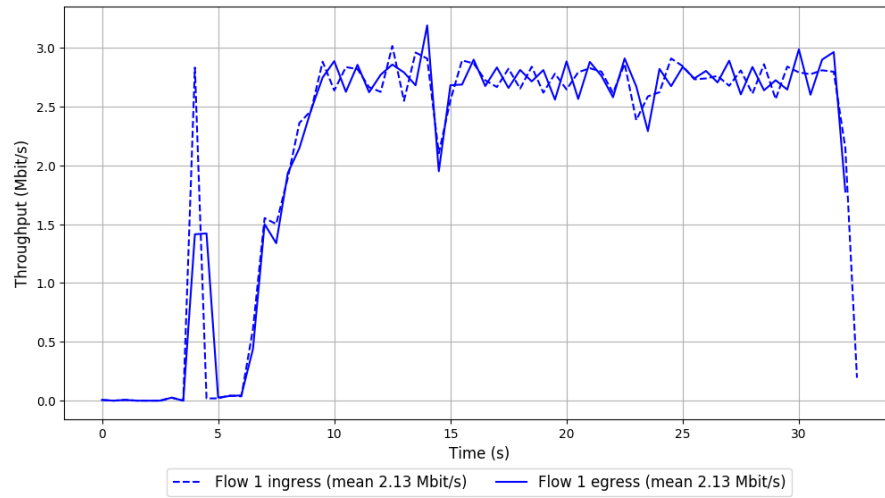
-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 112.146 ms

Loss rate: 0.69%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-16 09:30:40

End at: 2018-01-16 09:31:10

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 112.957 ms

Loss rate: 0.93%

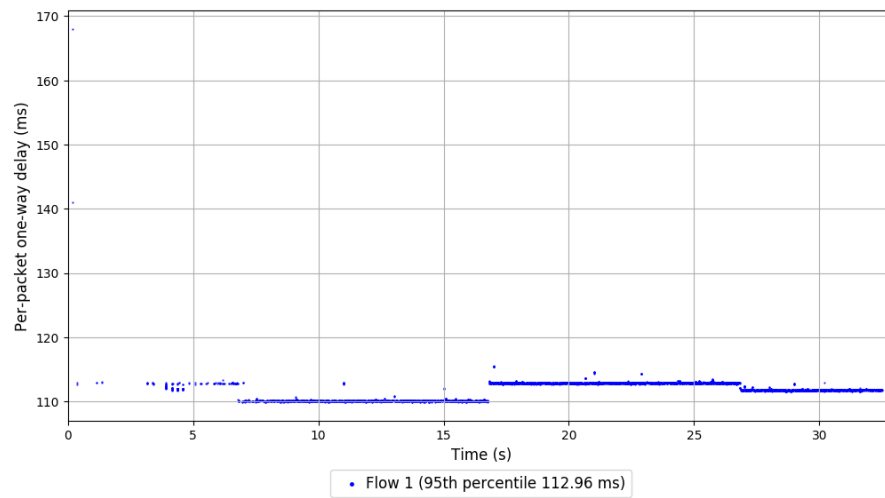
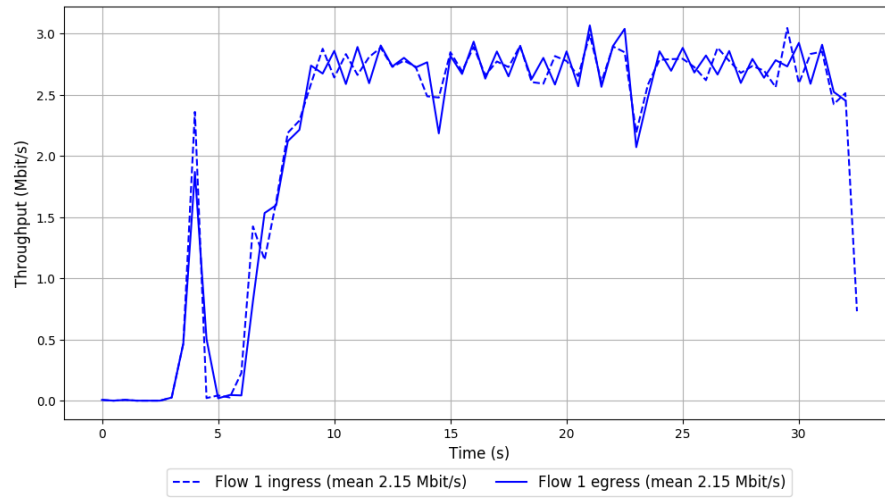
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 112.957 ms

Loss rate: 0.93%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-16 09:45:37

End at: 2018-01-16 09:46:07

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 111.728 ms

Loss rate: 0.77%

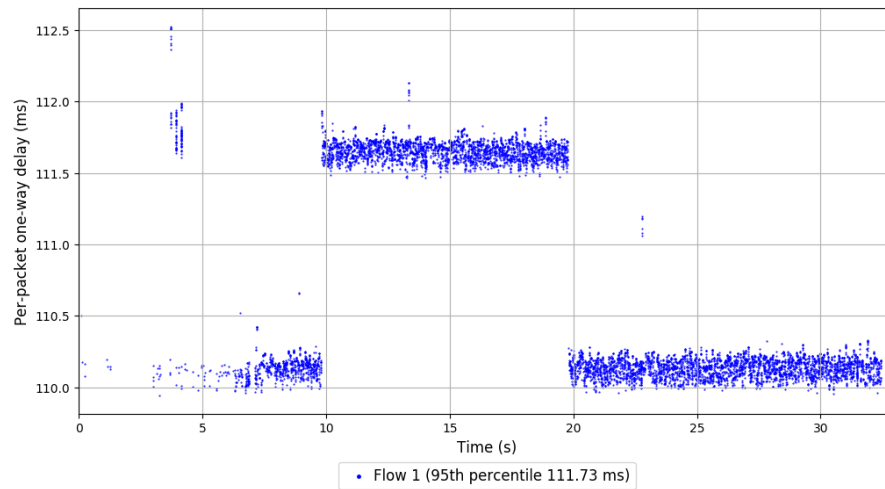
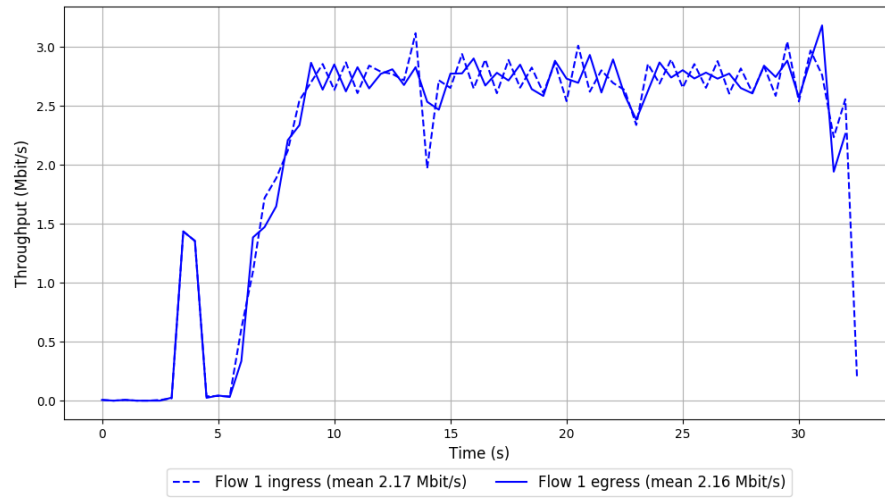
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 111.728 ms

Loss rate: 0.77%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-01-16 07:33:37

End at: 2018-01-16 07:34:07

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 113.868 ms

Loss rate: 1.30%

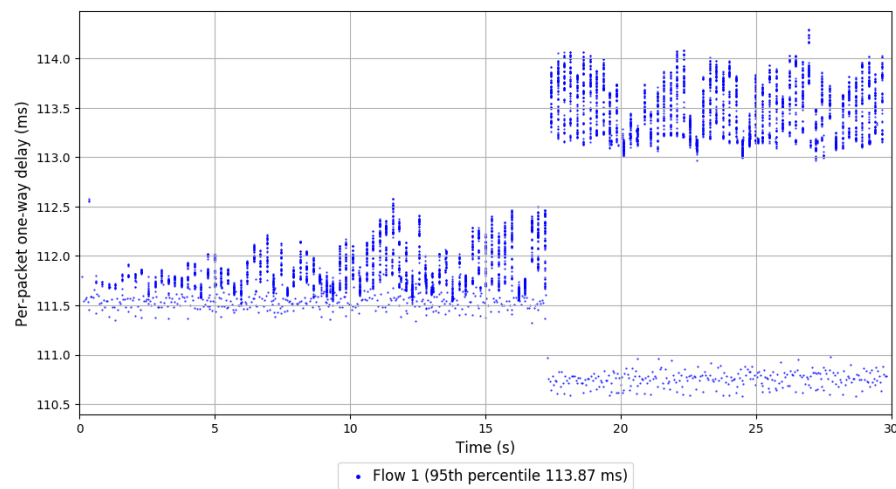
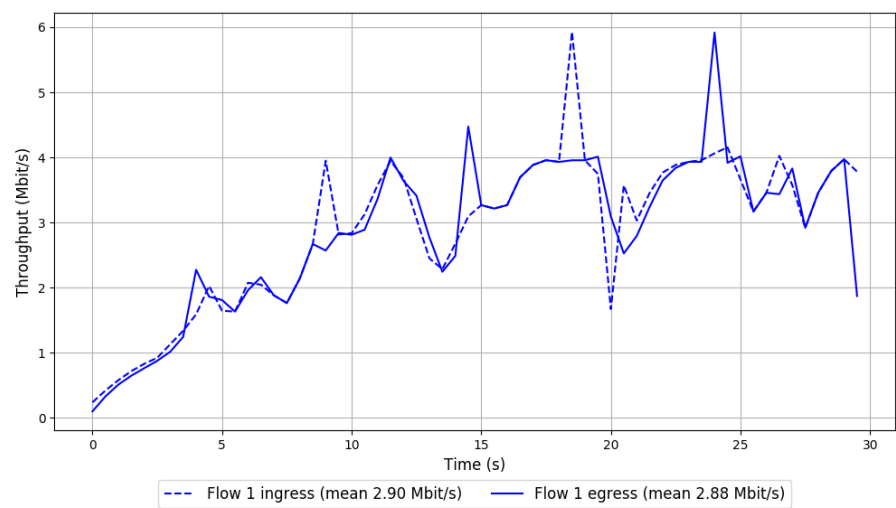
-- Flow 1:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 113.868 ms

Loss rate: 1.30%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-16 07:48:32

End at: 2018-01-16 07:49:02

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 113.881 ms

Loss rate: 0.32%

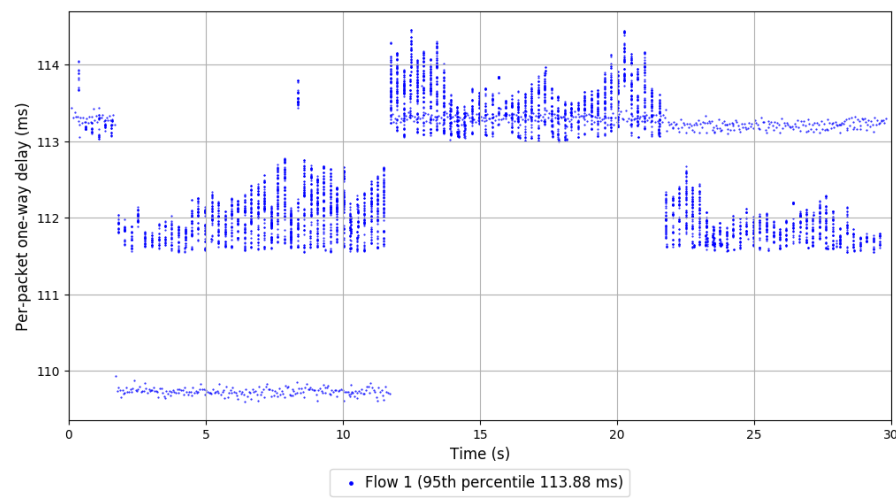
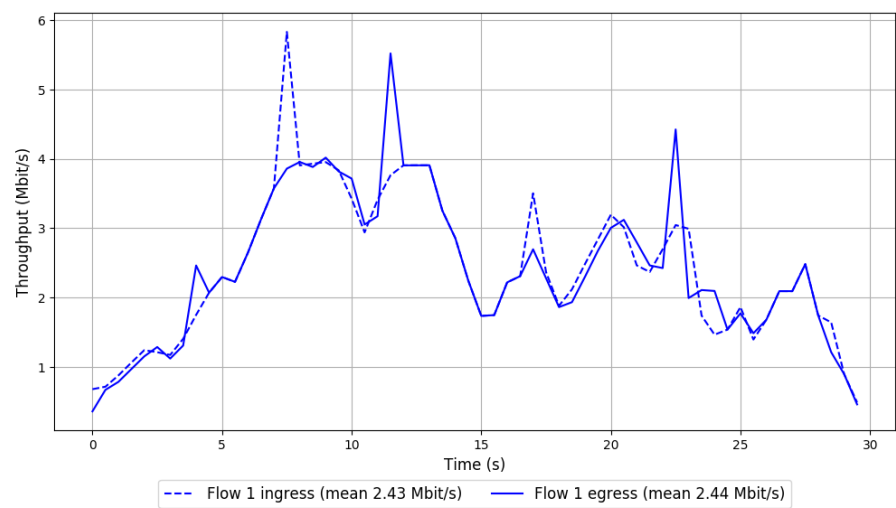
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 113.881 ms

Loss rate: 0.32%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-16 08:03:52

End at: 2018-01-16 08:04:22

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 113.184 ms

Loss rate: 2.69%

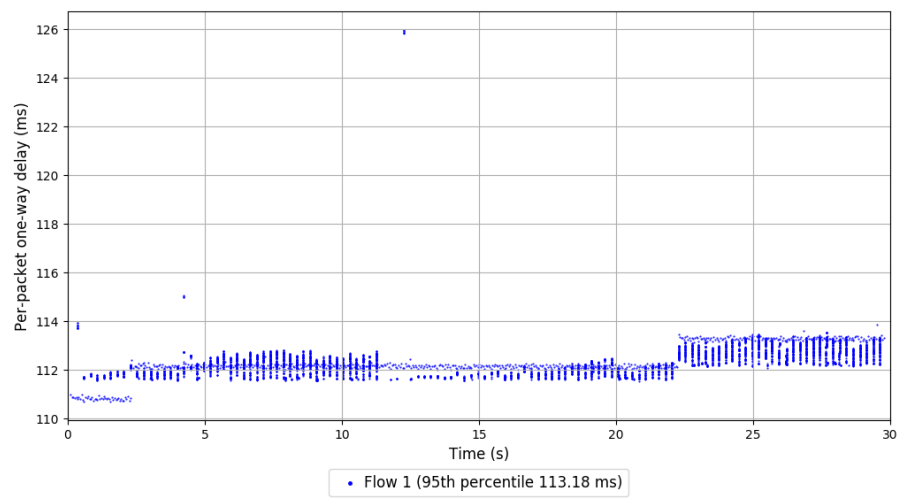
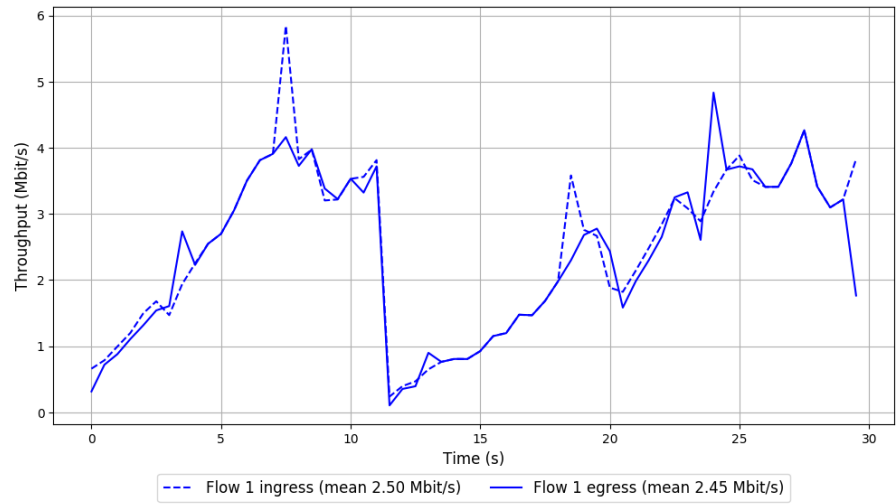
-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 113.184 ms

Loss rate: 2.69%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-16 08:18:44

End at: 2018-01-16 08:19:14

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 114.152 ms

Loss rate: 0.70%

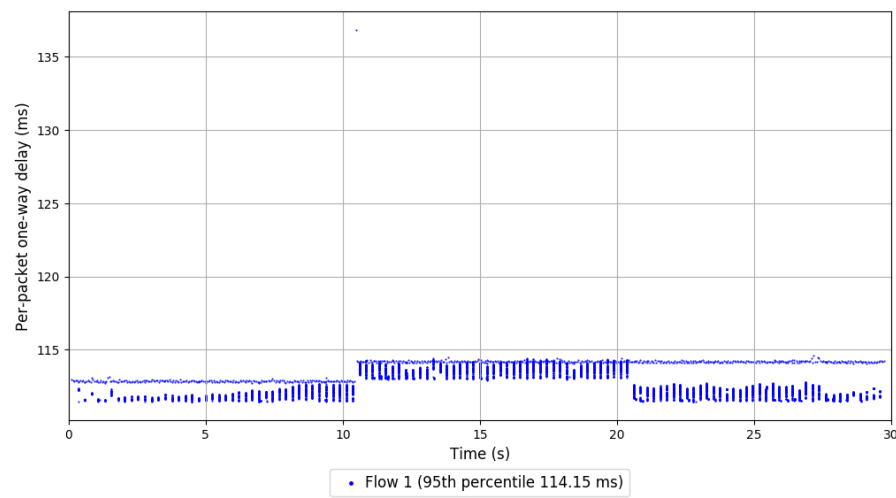
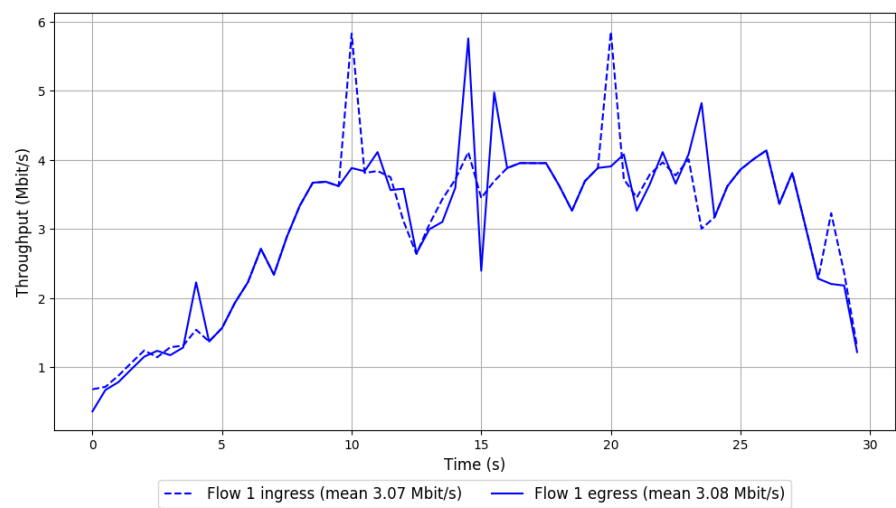
-- Flow 1:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 114.152 ms

Loss rate: 0.70%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-16 08:34:05

End at: 2018-01-16 08:34:35

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 113.740 ms

Loss rate: 0.89%

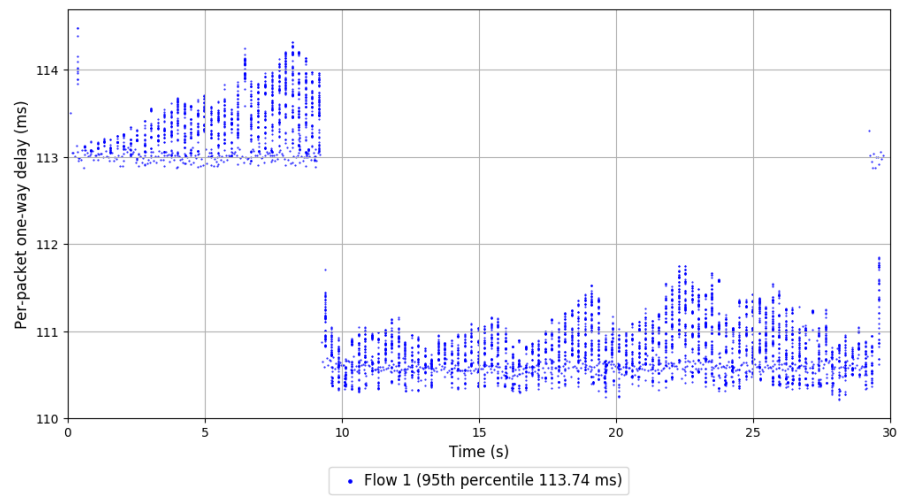
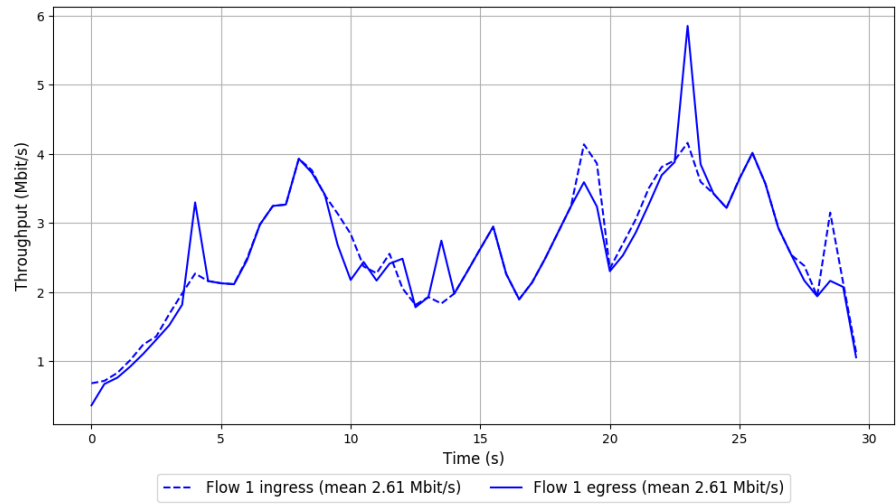
-- Flow 1:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 113.740 ms

Loss rate: 0.89%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-16 08:48:37

End at: 2018-01-16 08:49:07

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 112.924 ms

Loss rate: 2.12%

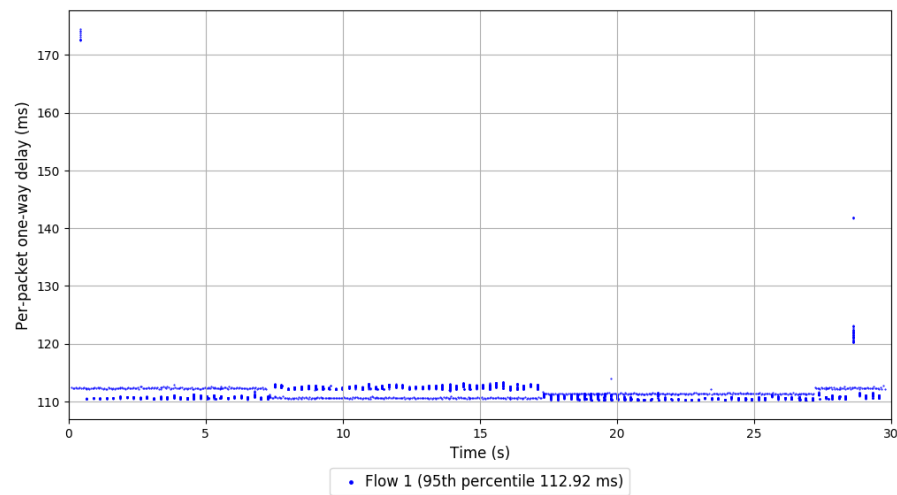
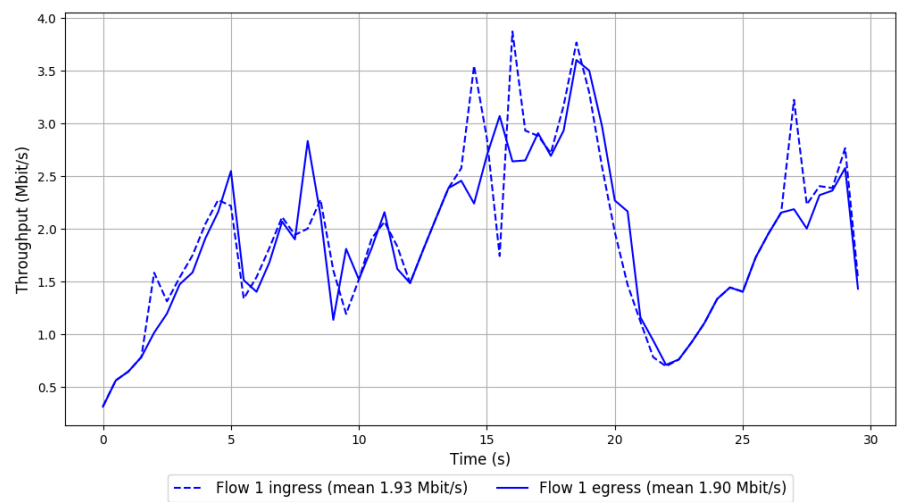
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 112.924 ms

Loss rate: 2.12%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-16 09:03:44

End at: 2018-01-16 09:04:14

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 112.272 ms

Loss rate: 1.65%

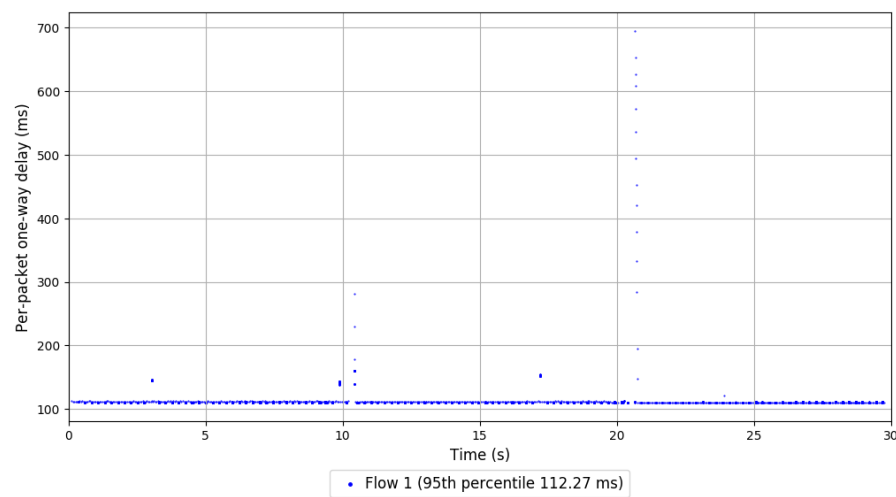
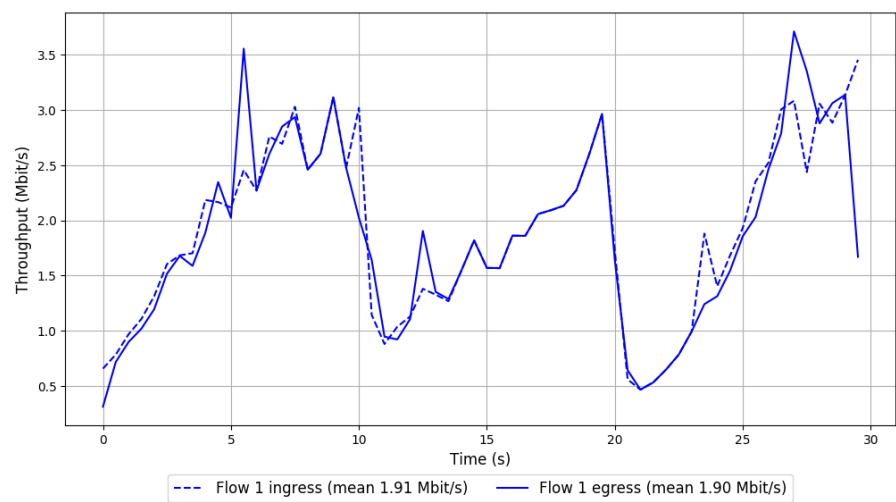
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 112.272 ms

Loss rate: 1.65%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-16 09:19:10

End at: 2018-01-16 09:19:40

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 113.433 ms

Loss rate: 1.64%

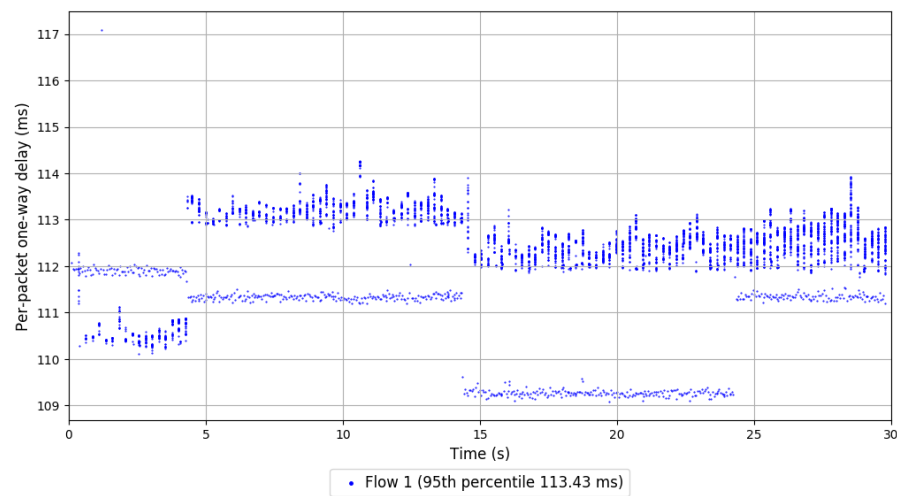
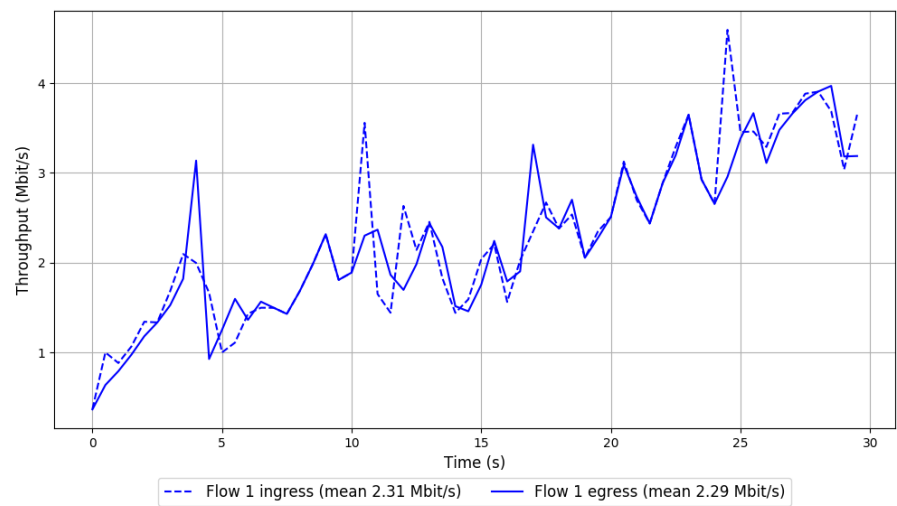
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 113.433 ms

Loss rate: 1.64%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-16 09:34:15

End at: 2018-01-16 09:34:45

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 112.383 ms

Loss rate: 0.17%

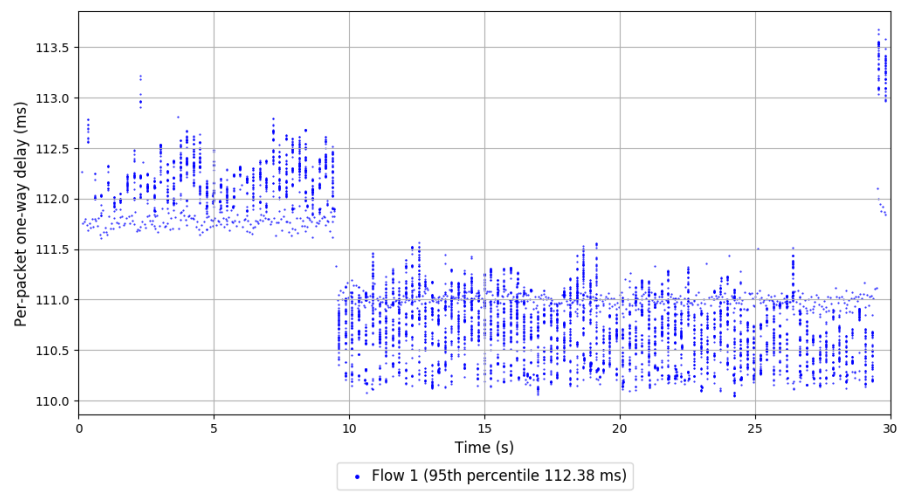
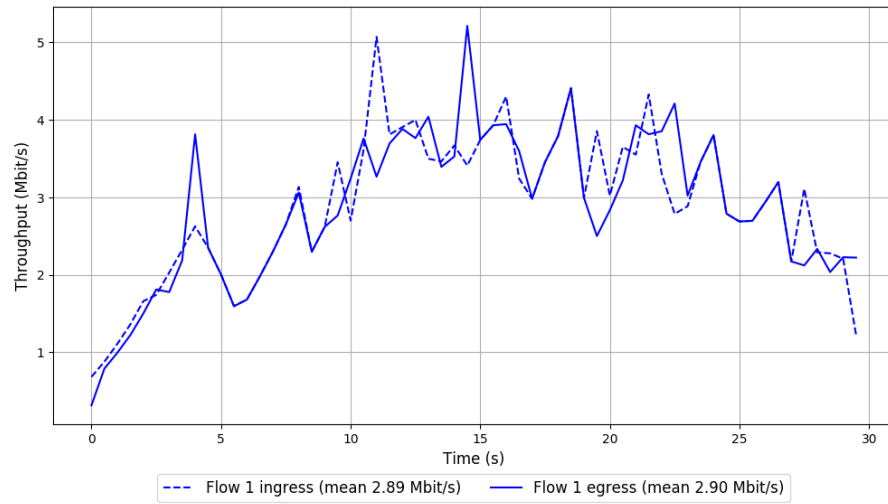
-- Flow 1:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 112.383 ms

Loss rate: 0.17%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-16 09:49:08

End at: 2018-01-16 09:49:38

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 112.800 ms

Loss rate: 1.12%

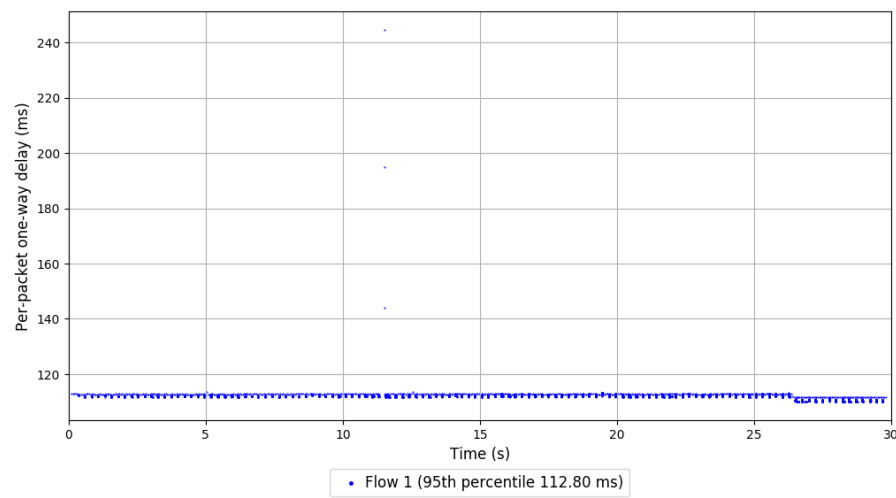
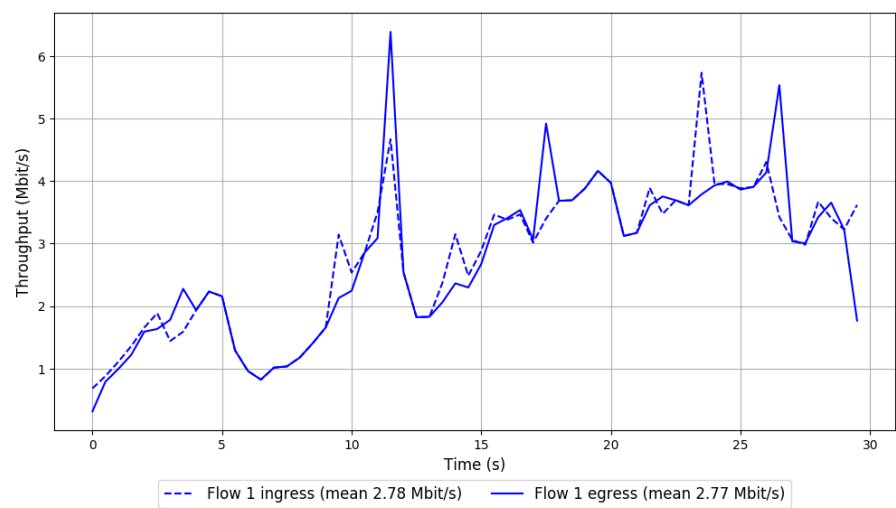
-- Flow 1:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 112.800 ms

Loss rate: 1.12%

Run 10: Report of Sprout — Data Link

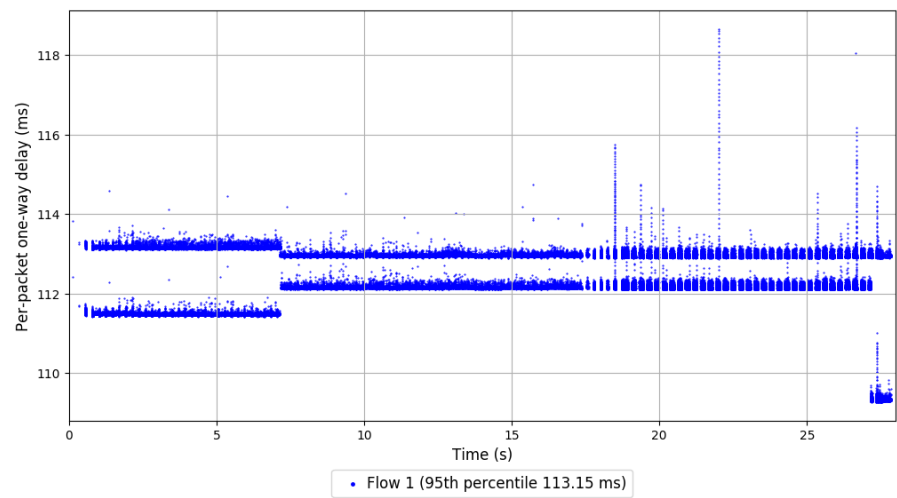
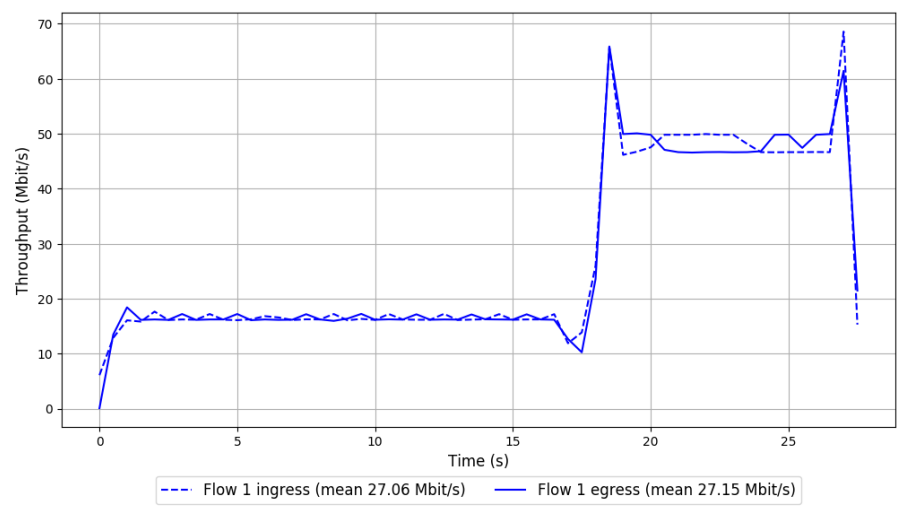


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 07:35:15
End at: 2018-01-16 07:35:45

# Below is generated by plot.py at 2018-01-16 12:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 113.153 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 113.153 ms
Loss rate: 0.49%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 07:50:09

End at: 2018-01-16 07:50:39

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.31 Mbit/s

95th percentile per-packet one-way delay: 111.583 ms

Loss rate: 1.09%

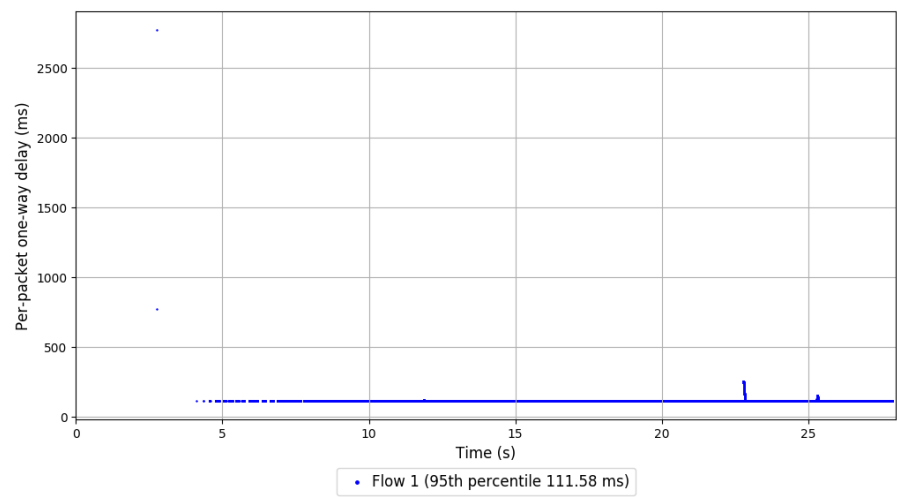
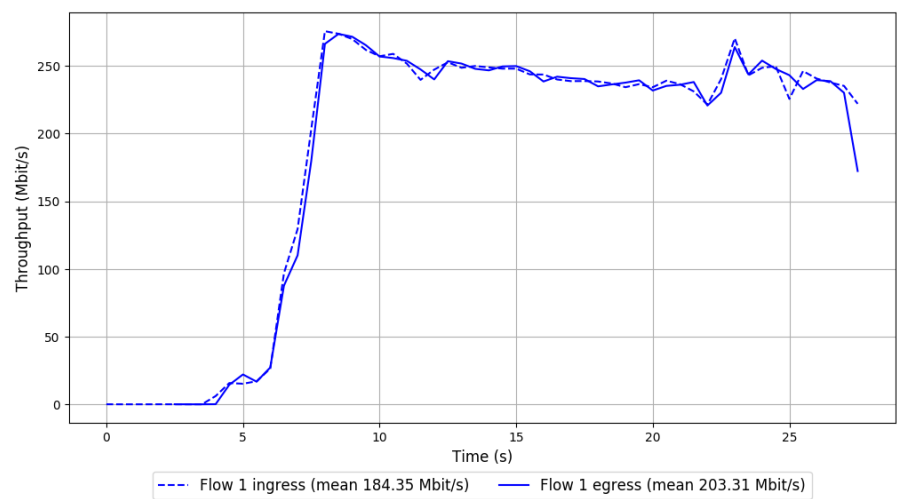
-- Flow 1:

Average throughput: 203.31 Mbit/s

95th percentile per-packet one-way delay: 111.583 ms

Loss rate: 1.09%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 08:05:27

End at: 2018-01-16 08:05:57

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.03 Mbit/s

95th percentile per-packet one-way delay: 112.932 ms

Loss rate: 0.81%

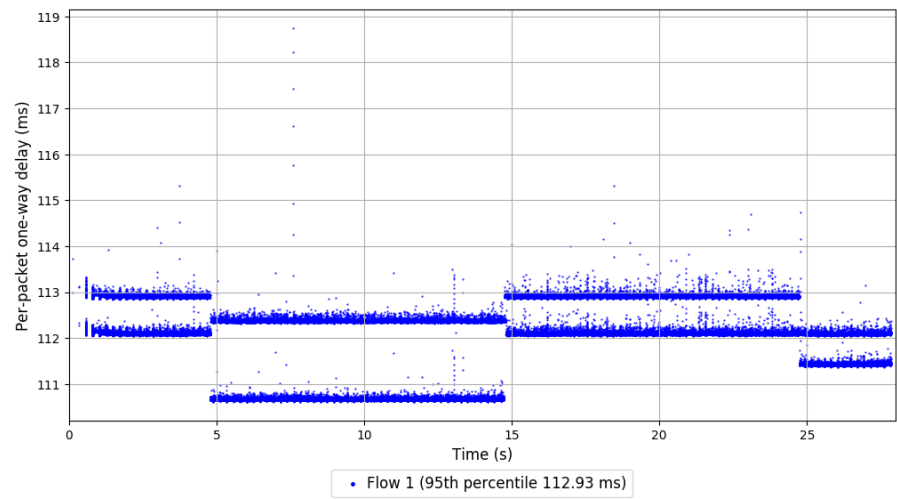
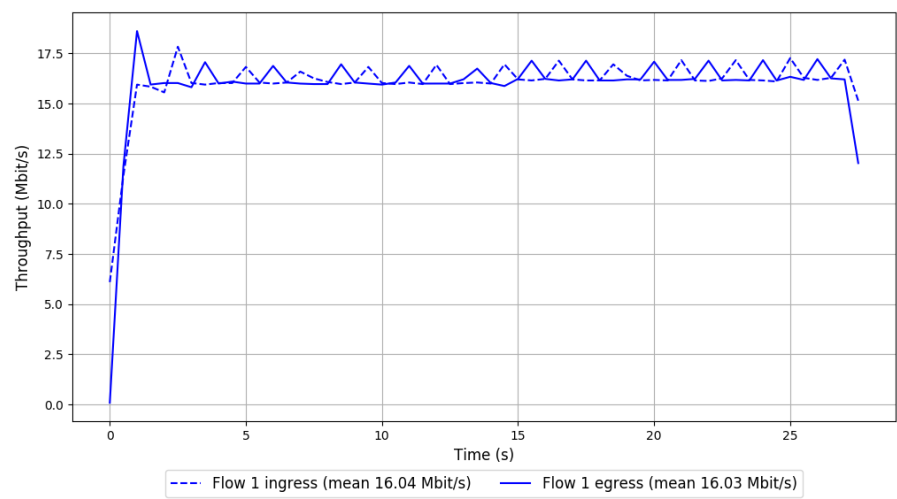
-- Flow 1:

Average throughput: 16.03 Mbit/s

95th percentile per-packet one-way delay: 112.932 ms

Loss rate: 0.81%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-16 08:20:29

End at: 2018-01-16 08:20:59

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.22 Mbit/s

95th percentile per-packet one-way delay: 112.134 ms

Loss rate: 2.05%

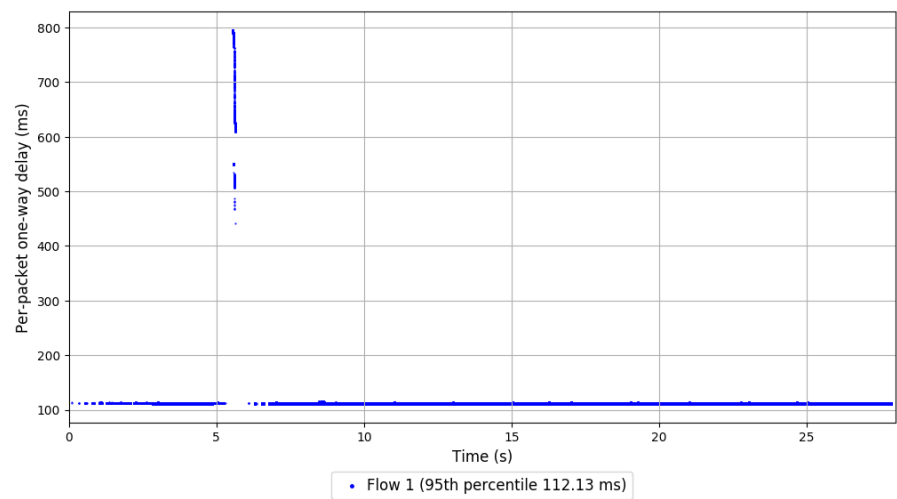
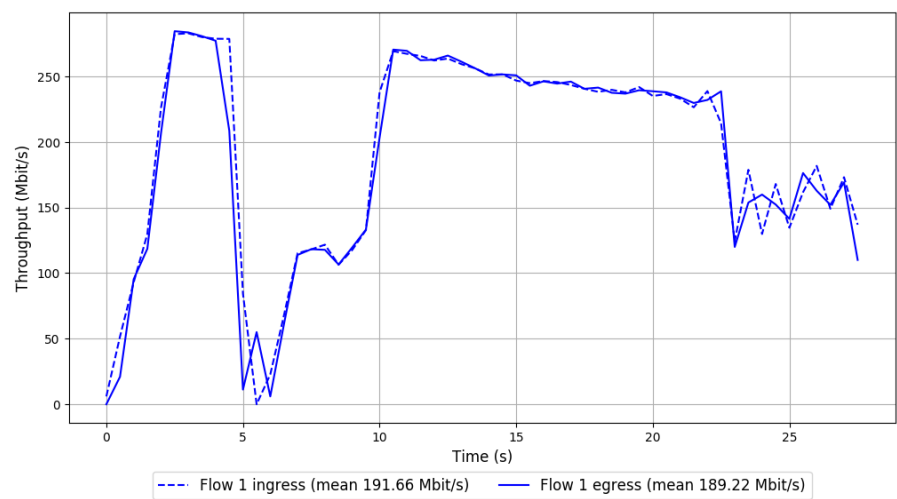
-- Flow 1:

Average throughput: 189.22 Mbit/s

95th percentile per-packet one-way delay: 112.134 ms

Loss rate: 2.05%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-16 08:35:40

End at: 2018-01-16 08:36:10

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.95 Mbit/s

95th percentile per-packet one-way delay: 112.371 ms

Loss rate: 1.06%

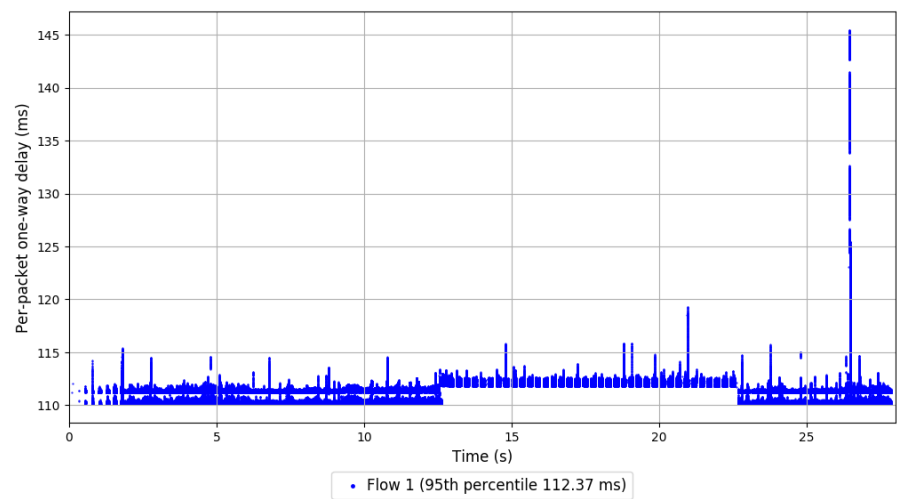
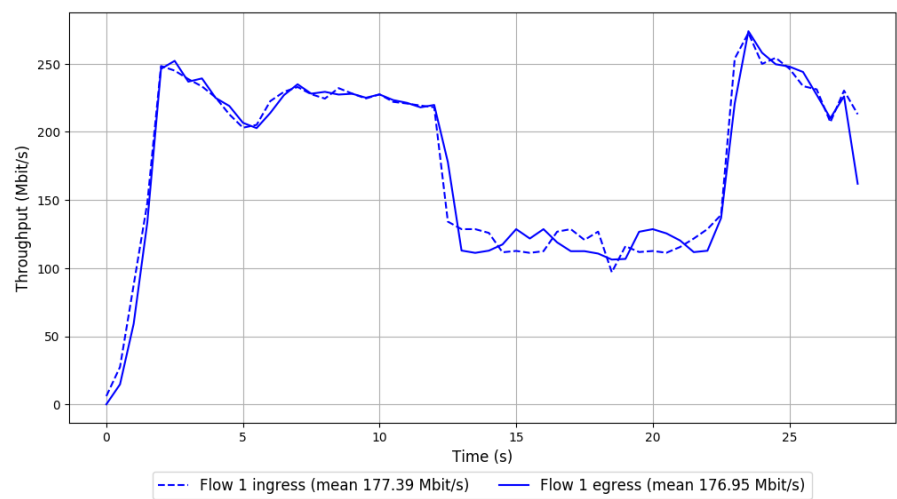
-- Flow 1:

Average throughput: 176.95 Mbit/s

95th percentile per-packet one-way delay: 112.371 ms

Loss rate: 1.06%

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



Run 6: Statistics of TaoVA-100x

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

End at: 2018-01-16 08:50:49

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.88 Mbit/s

95th percentile per-packet one-way delay: 112.920 ms

Loss rate: 0.72%

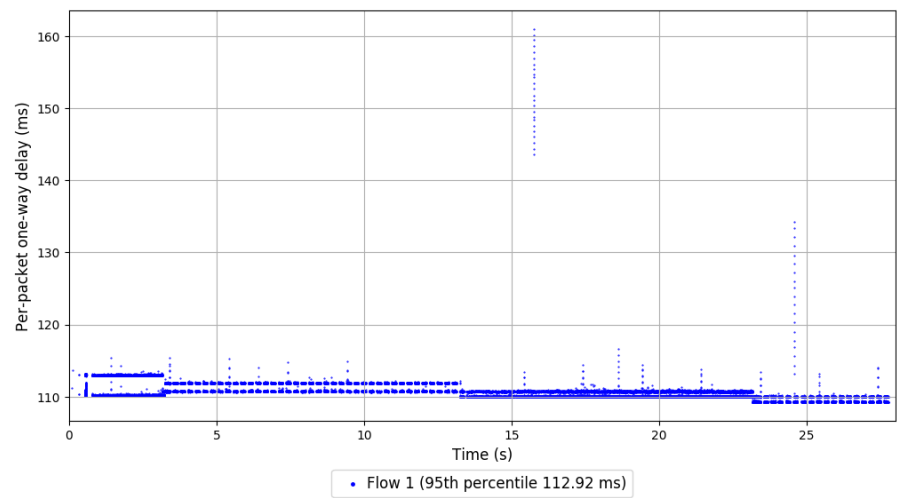
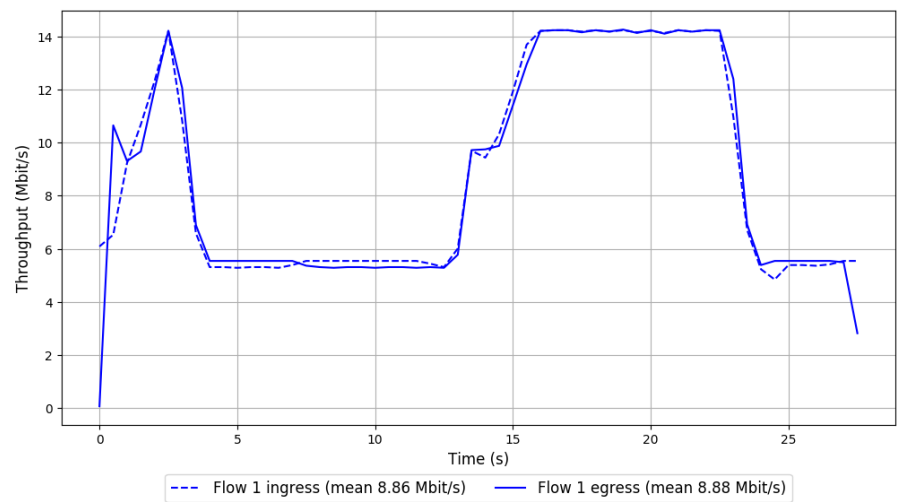
-- Flow 1:

Average throughput: 8.88 Mbit/s

95th percentile per-packet one-way delay: 112.920 ms

Loss rate: 0.72%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-16 09:05:31

End at: 2018-01-16 09:06:01

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.77 Mbit/s

95th percentile per-packet one-way delay: 111.068 ms

Loss rate: 0.98%

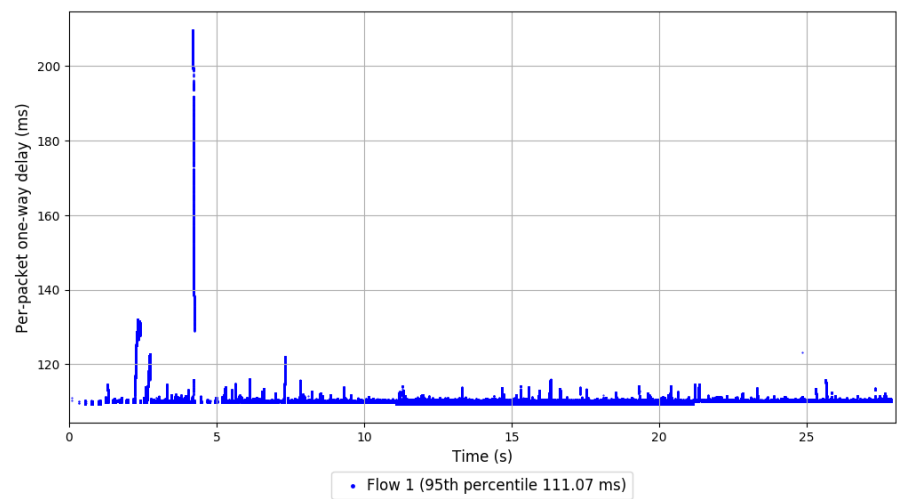
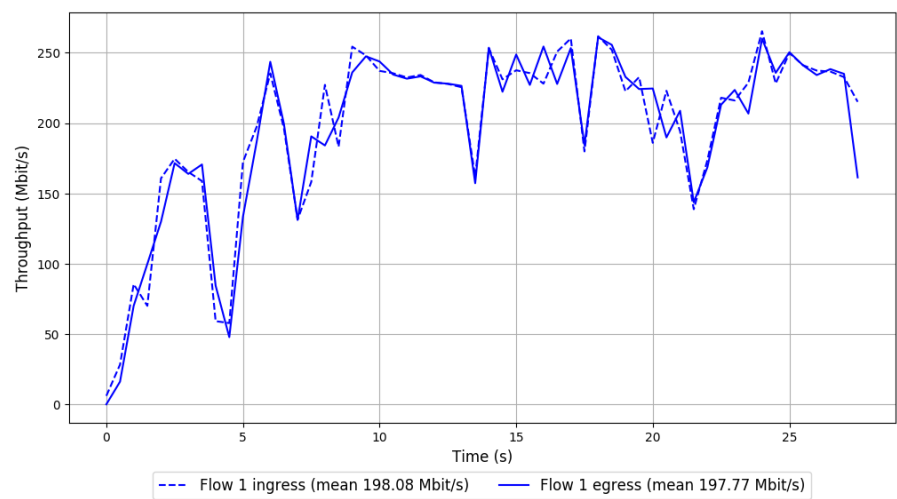
-- Flow 1:

Average throughput: 197.77 Mbit/s

95th percentile per-packet one-way delay: 111.068 ms

Loss rate: 0.98%

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

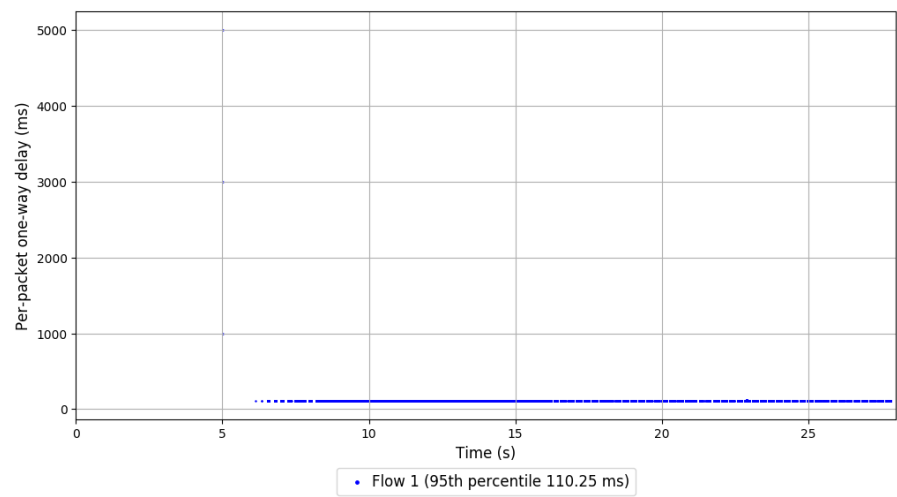
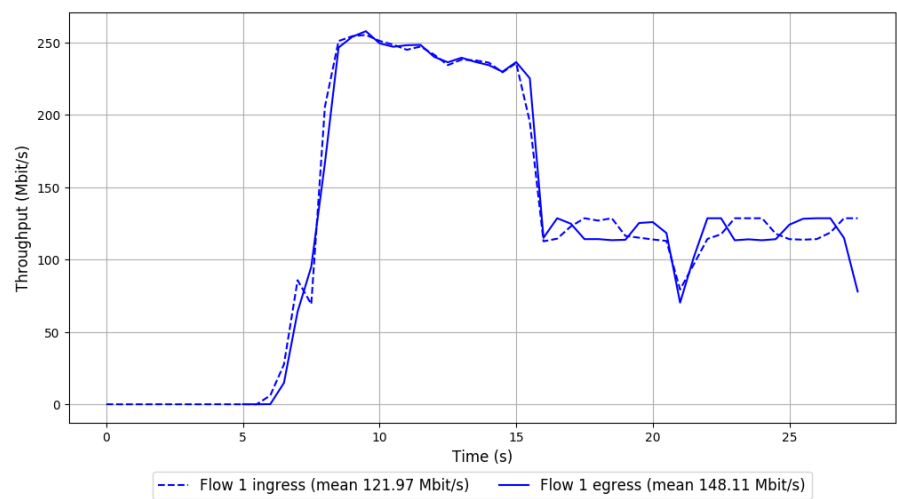


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-16 09:20:46

End at: 2018-01-16 09:21:16

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-16 09:35:48

End at: 2018-01-16 09:36:18

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.90 Mbit/s

95th percentile per-packet one-way delay: 112.726 ms

Loss rate: 1.02%

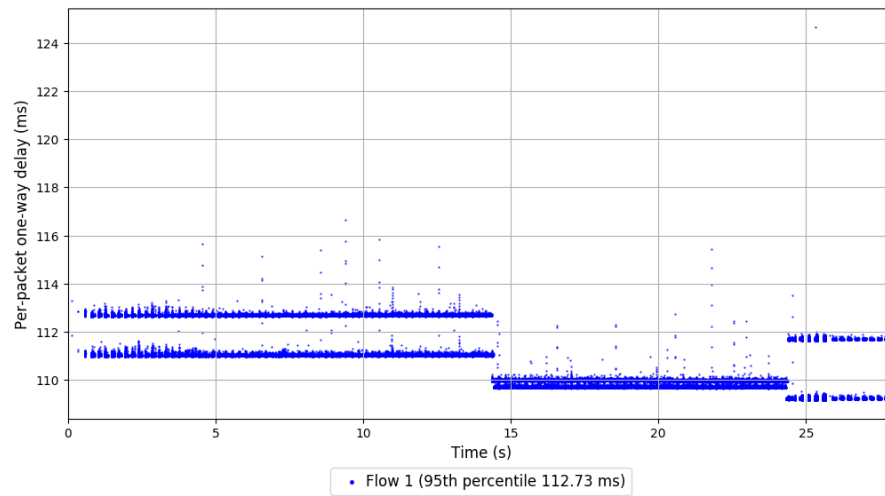
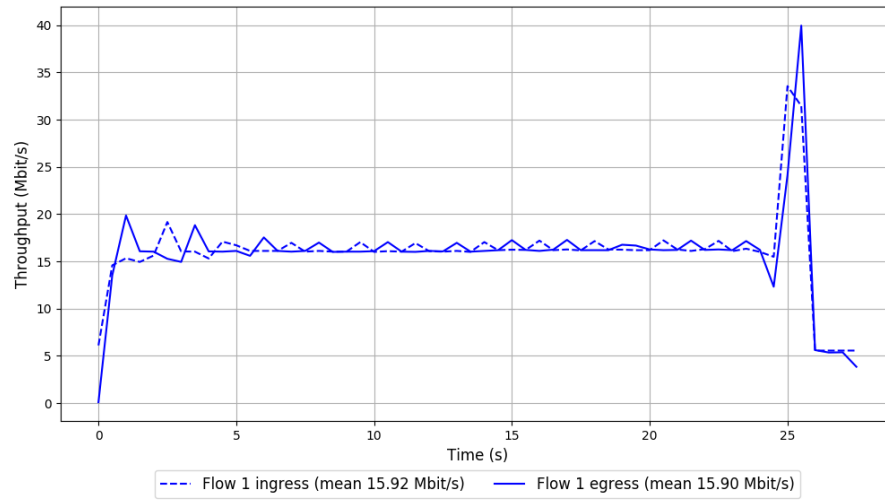
-- Flow 1:

Average throughput: 15.90 Mbit/s

95th percentile per-packet one-way delay: 112.726 ms

Loss rate: 1.02%

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

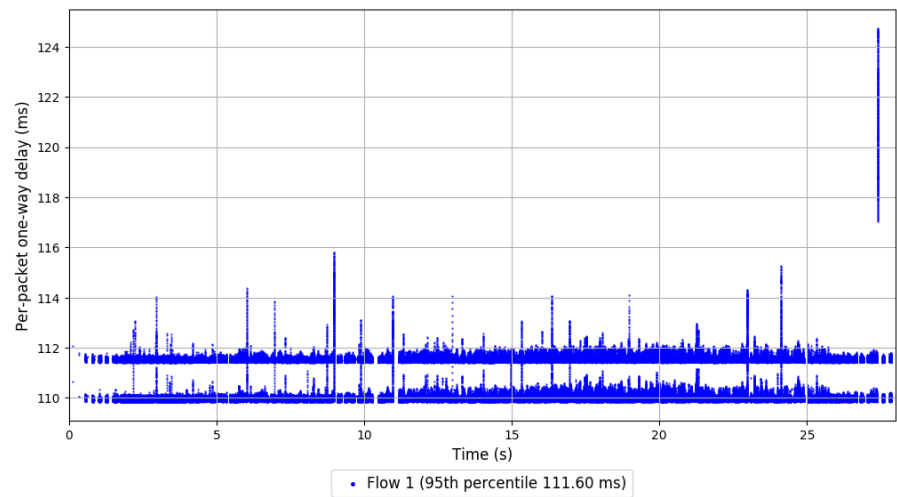
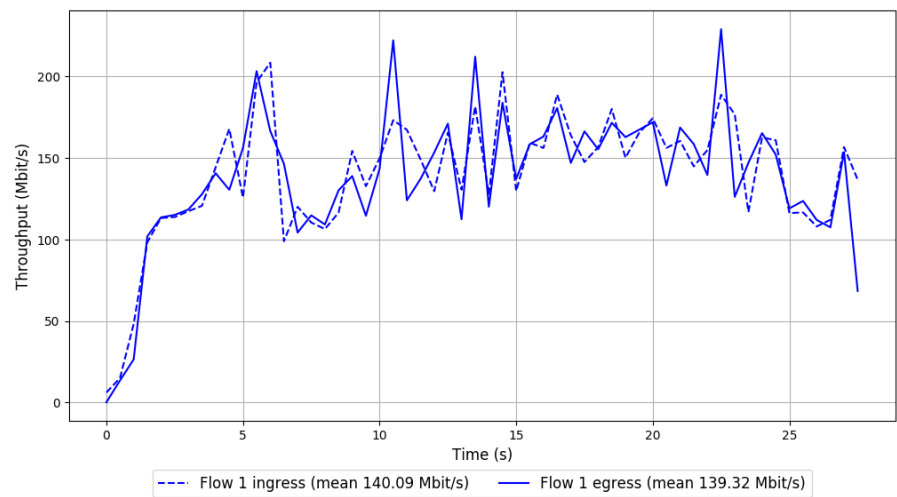


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-16 09:50:43
End at: 2018-01-16 09:51:13

# Below is generated by plot.py at 2018-01-16 12:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 139.32 Mbit/s
95th percentile per-packet one-way delay: 111.603 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 139.32 Mbit/s
95th percentile per-packet one-way delay: 111.603 ms
Loss rate: 1.22%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 07:31:36

End at: 2018-01-16 07:32:06

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.70 Mbit/s

95th percentile per-packet one-way delay: 113.541 ms

Loss rate: 0.98%

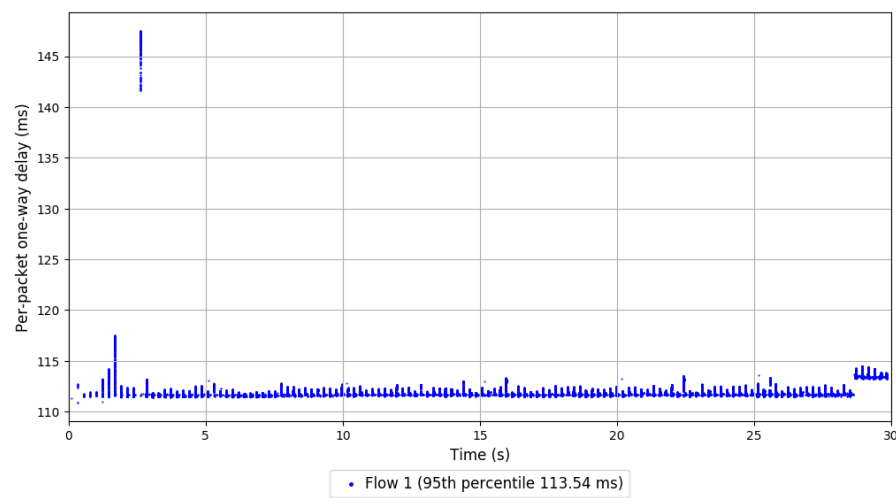
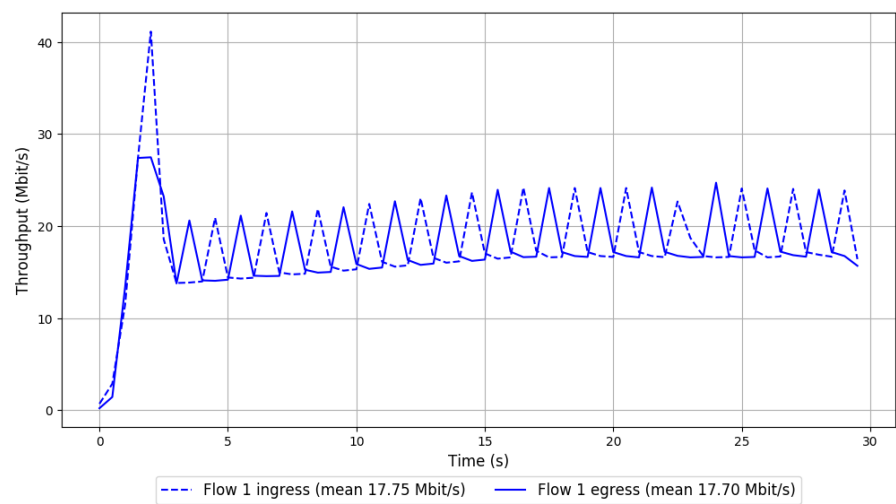
-- Flow 1:

Average throughput: 17.70 Mbit/s

95th percentile per-packet one-way delay: 113.541 ms

Loss rate: 0.98%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 07:46:30

End at: 2018-01-16 07:47:00

Below is generated by plot.py at 2018-01-16 12:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.55 Mbit/s

95th percentile per-packet one-way delay: 120.660 ms

Loss rate: 0.53%

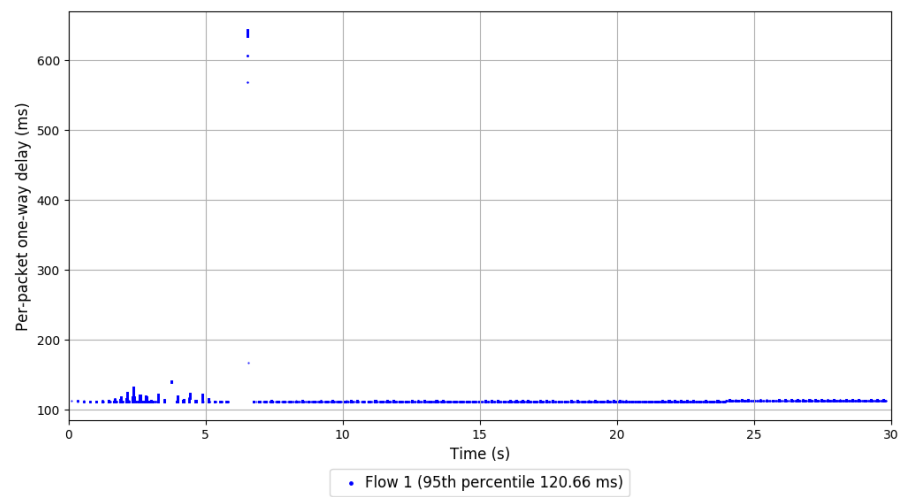
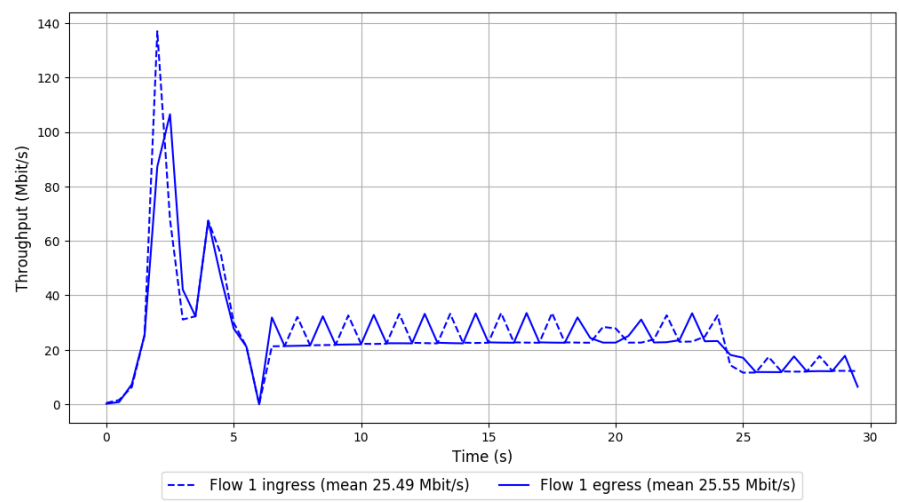
-- Flow 1:

Average throughput: 25.55 Mbit/s

95th percentile per-packet one-way delay: 120.660 ms

Loss rate: 0.53%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

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

End at: 2018-01-16 08:02:21

Below is generated by plot.py at 2018-01-16 12:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 113.959 ms

Loss rate: 0.86%

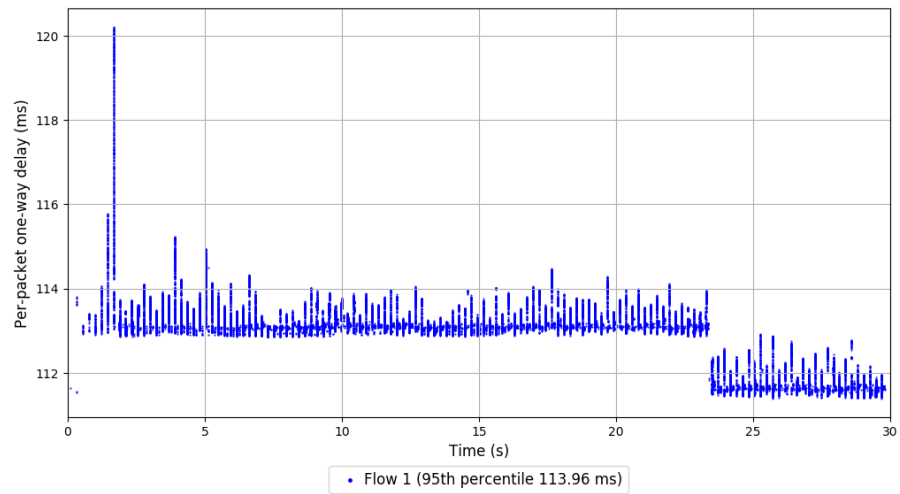
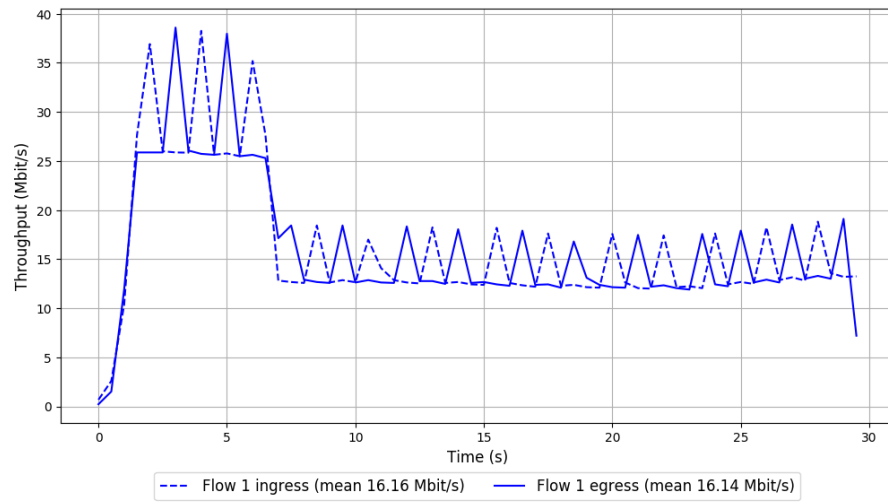
-- Flow 1:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 113.959 ms

Loss rate: 0.86%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

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

End at: 2018-01-16 08:17:09

Below is generated by plot.py at 2018-01-16 12:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.88 Mbit/s

95th percentile per-packet one-way delay: 112.171 ms

Loss rate: 0.78%

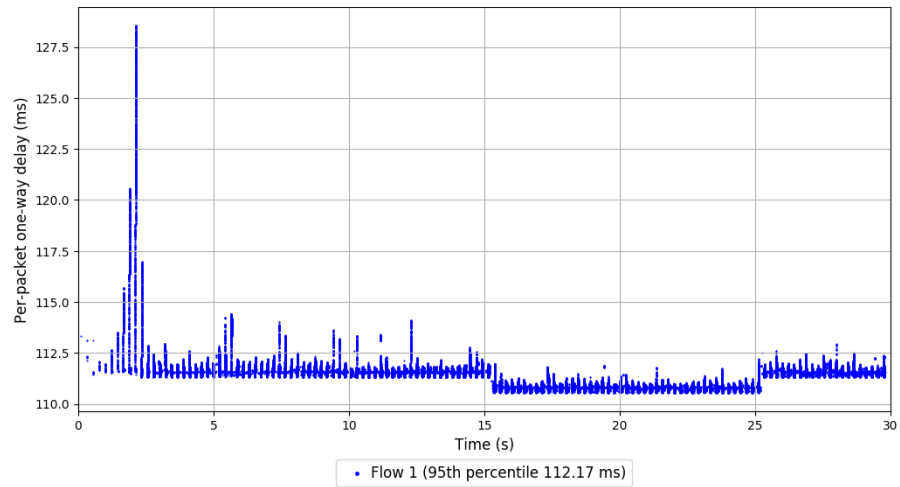
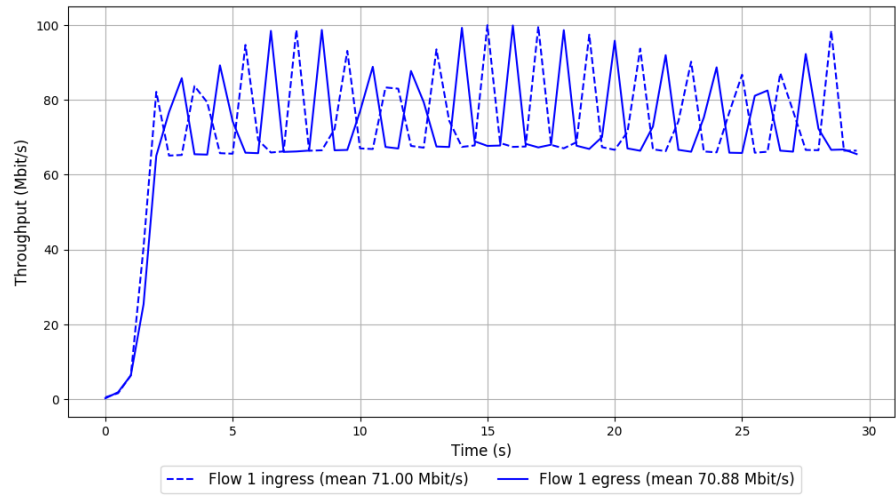
-- Flow 1:

Average throughput: 70.88 Mbit/s

95th percentile per-packet one-way delay: 112.171 ms

Loss rate: 0.78%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-16 08:32:02

End at: 2018-01-16 08:32:33

Below is generated by plot.py at 2018-01-16 12:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.51 Mbit/s

95th percentile per-packet one-way delay: 120.573 ms

Loss rate: 1.33%

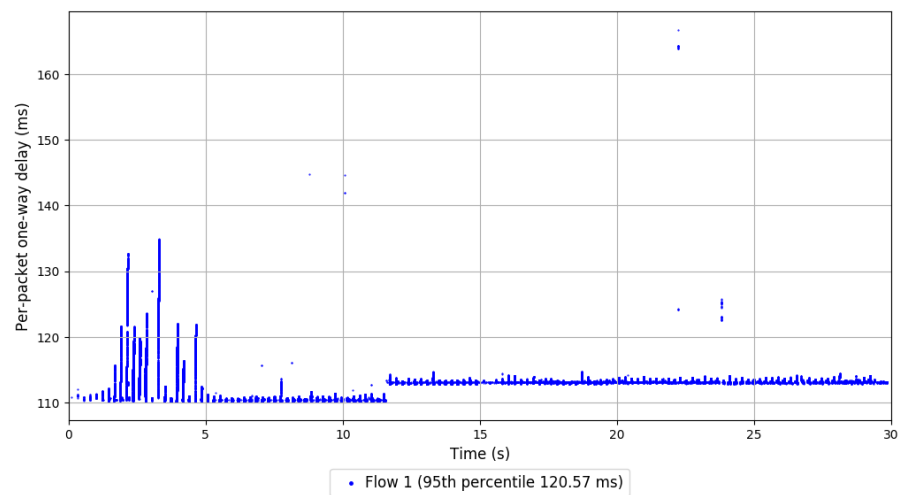
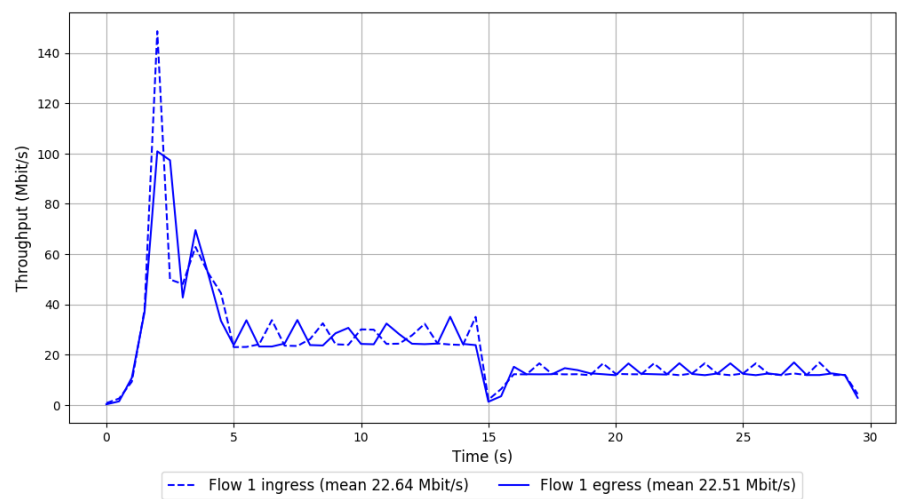
-- Flow 1:

Average throughput: 22.51 Mbit/s

95th percentile per-packet one-way delay: 120.573 ms

Loss rate: 1.33%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-16 08:47:11

End at: 2018-01-16 08:47:41

Below is generated by plot.py at 2018-01-16 12:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.68 Mbit/s

95th percentile per-packet one-way delay: 112.136 ms

Loss rate: 0.92%

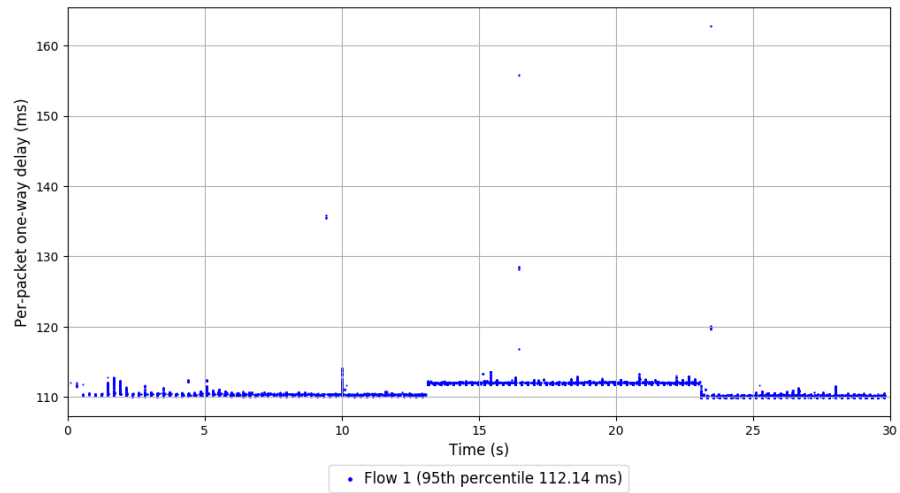
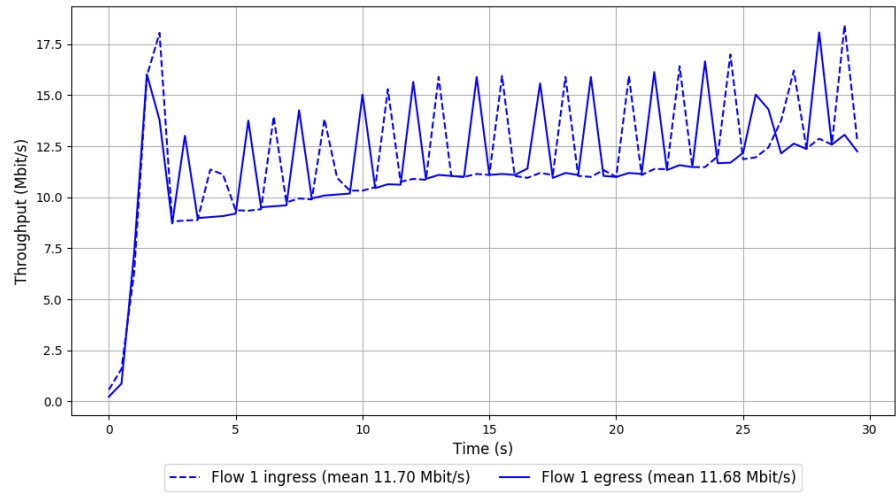
-- Flow 1:

Average throughput: 11.68 Mbit/s

95th percentile per-packet one-way delay: 112.136 ms

Loss rate: 0.92%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-16 09:01:40

End at: 2018-01-16 09:02:10

Below is generated by plot.py at 2018-01-16 12:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.76 Mbit/s

95th percentile per-packet one-way delay: 112.535 ms

Loss rate: 0.51%

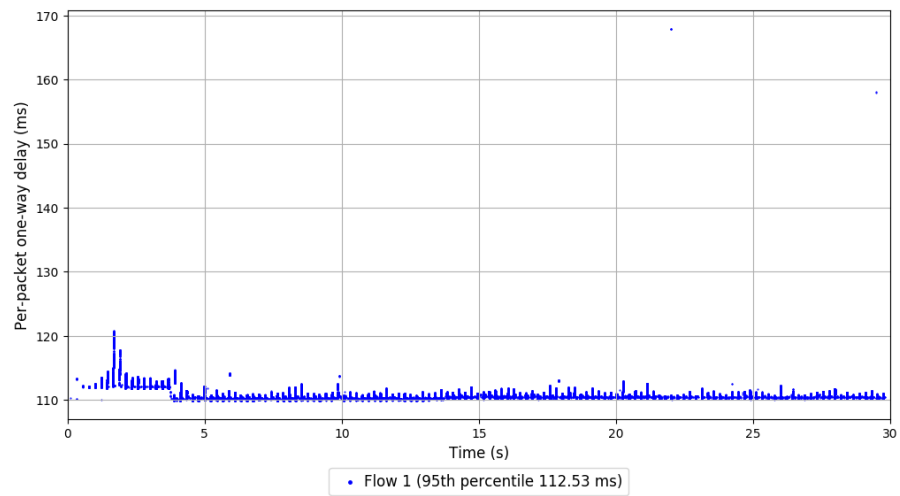
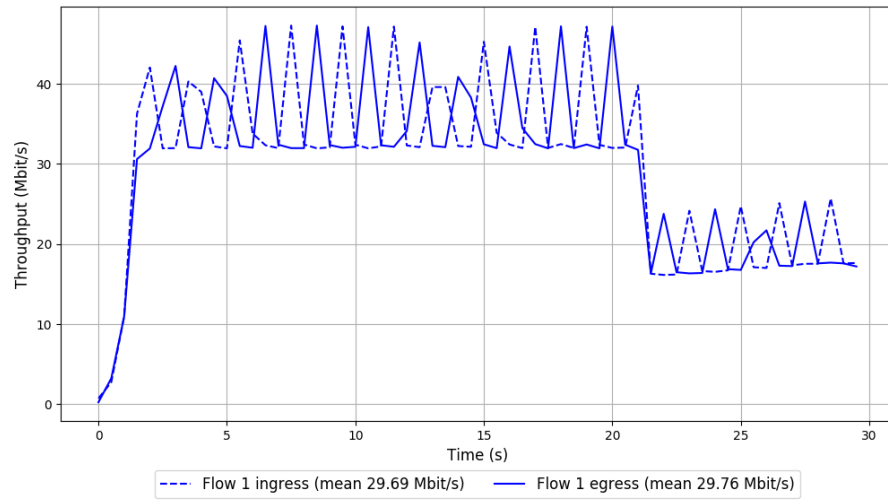
-- Flow 1:

Average throughput: 29.76 Mbit/s

95th percentile per-packet one-way delay: 112.535 ms

Loss rate: 0.51%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-16 09:17:08

End at: 2018-01-16 09:17:38

Below is generated by plot.py at 2018-01-16 12:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 112.935 ms

Loss rate: 0.89%

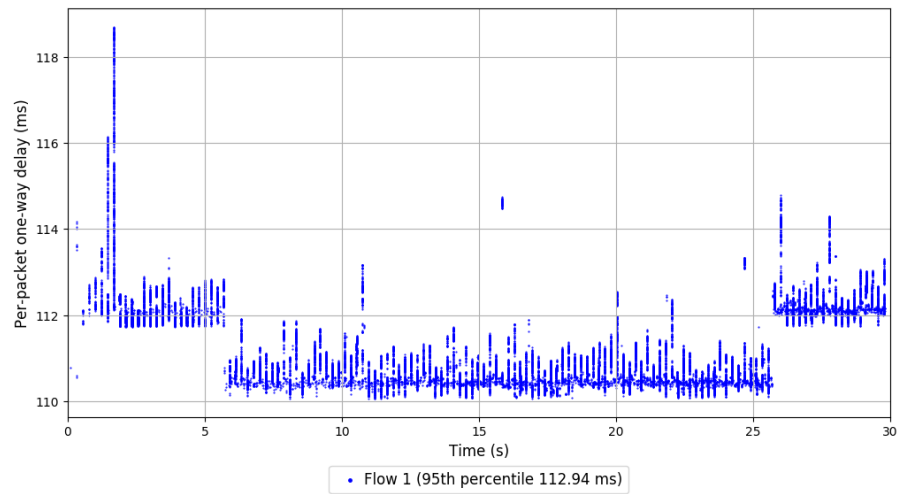
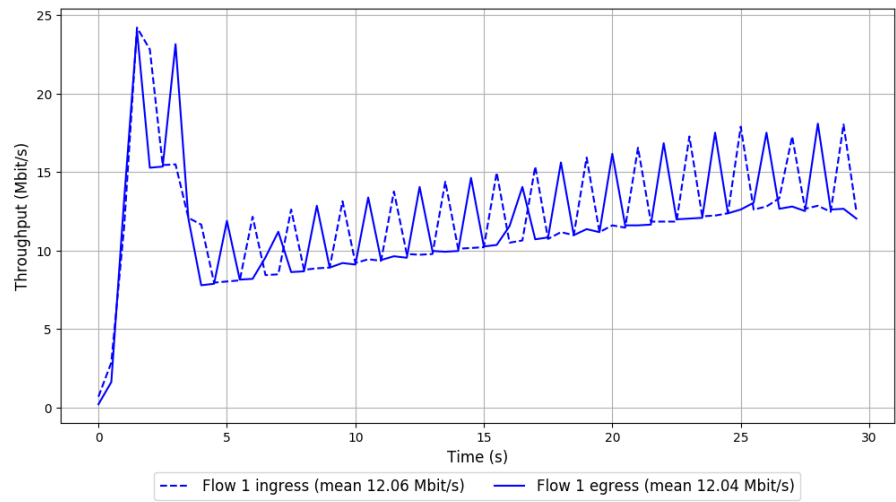
-- Flow 1:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 112.935 ms

Loss rate: 0.89%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-16 09:32:10

End at: 2018-01-16 09:32:40

Below is generated by plot.py at 2018-01-16 12:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.64 Mbit/s

95th percentile per-packet one-way delay: 120.507 ms

Loss rate: 0.51%

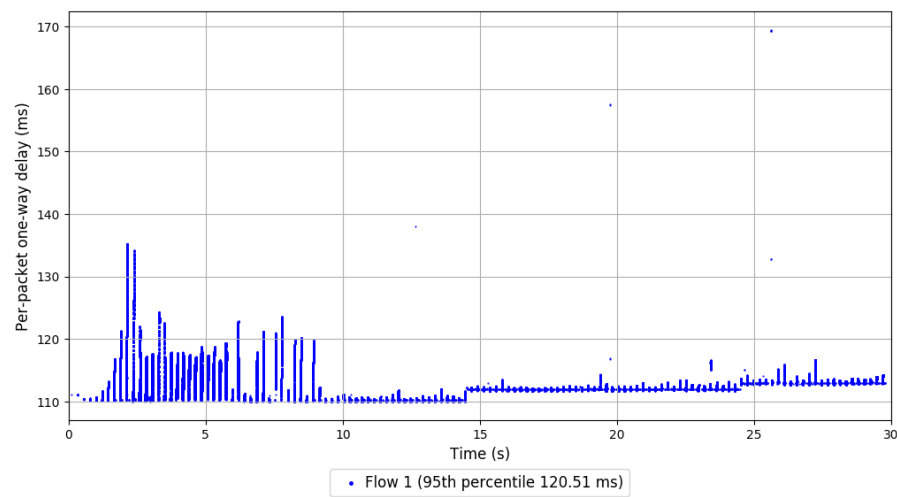
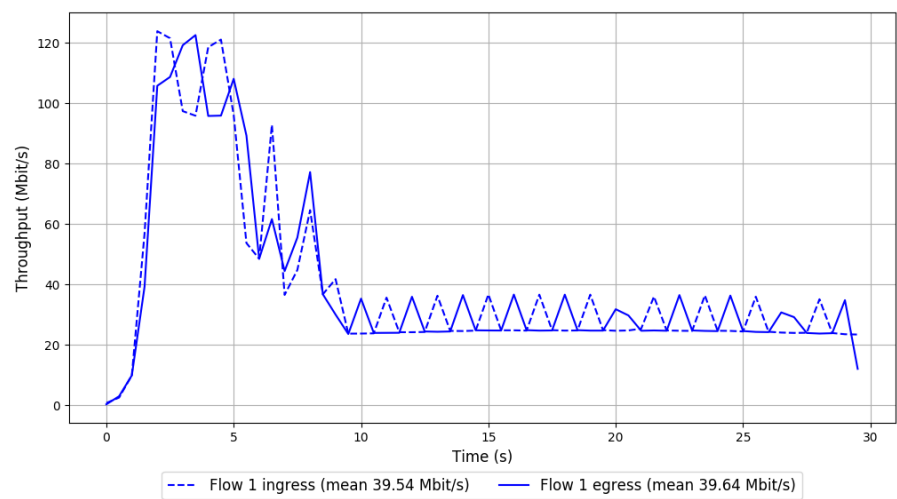
-- Flow 1:

Average throughput: 39.64 Mbit/s

95th percentile per-packet one-way delay: 120.507 ms

Loss rate: 0.51%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-16 09:47:06

End at: 2018-01-16 09:47:36

Below is generated by plot.py at 2018-01-16 12:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.72 Mbit/s

95th percentile per-packet one-way delay: 113.294 ms

Loss rate: 0.79%

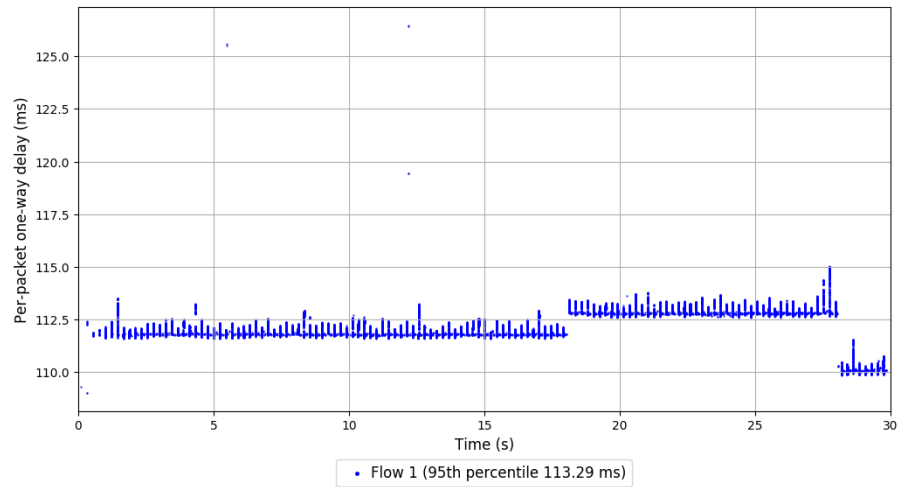
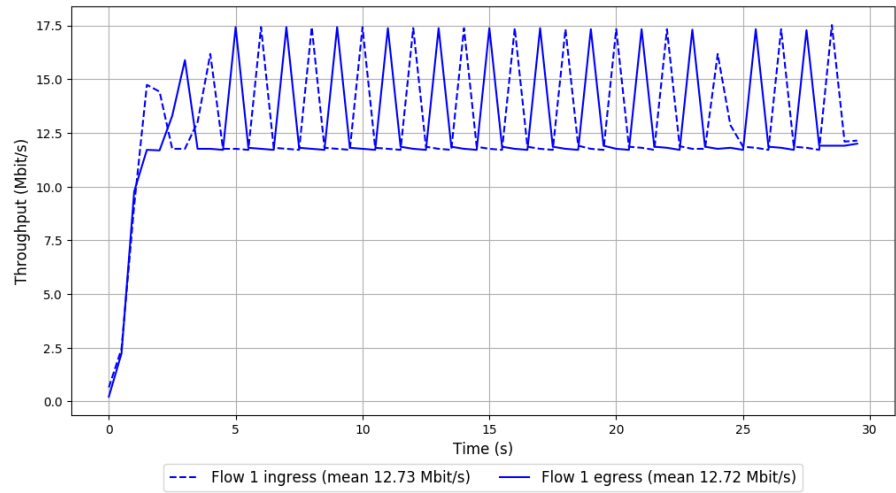
-- Flow 1:

Average throughput: 12.72 Mbit/s

95th percentile per-packet one-way delay: 113.294 ms

Loss rate: 0.79%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-16 07:25:02

End at: 2018-01-16 07:25:32

Below is generated by plot.py at 2018-01-16 12:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.60 Mbit/s

95th percentile per-packet one-way delay: 165.238 ms

Loss rate: 2.05%

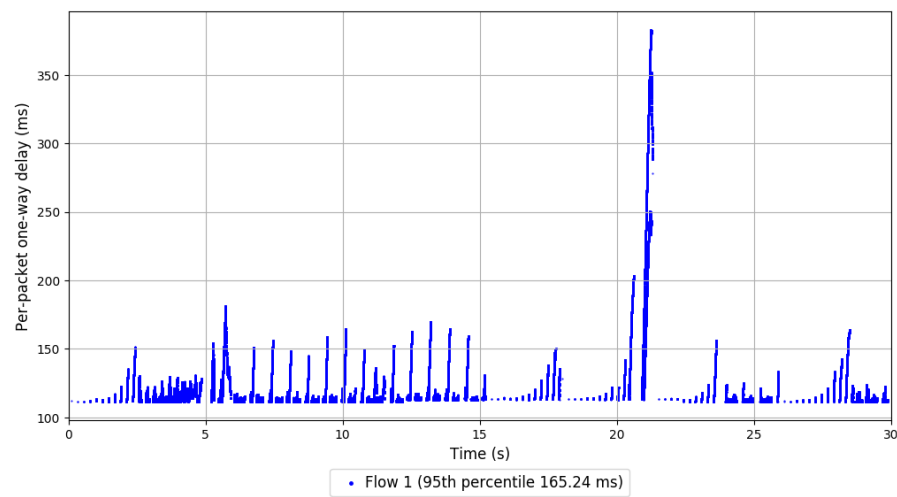
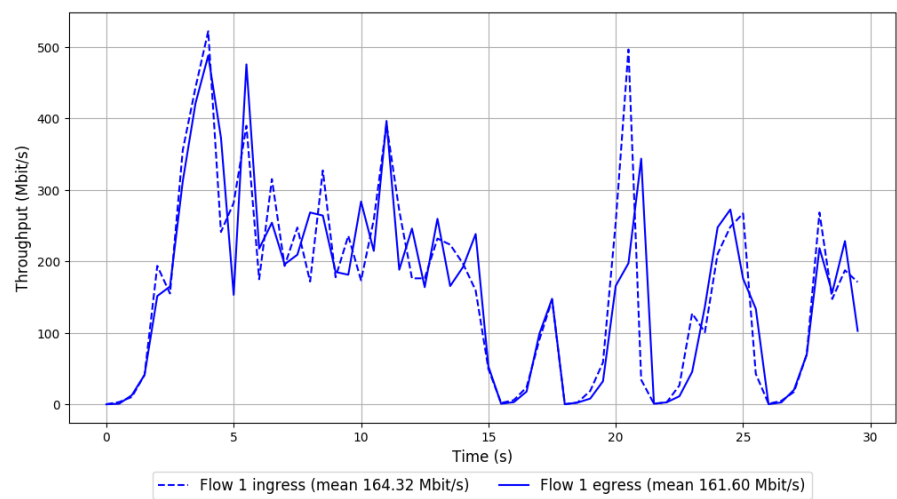
-- Flow 1:

Average throughput: 161.60 Mbit/s

95th percentile per-packet one-way delay: 165.238 ms

Loss rate: 2.05%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-16 07:39:59

End at: 2018-01-16 07:40:29

Below is generated by plot.py at 2018-01-16 12:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.70 Mbit/s

95th percentile per-packet one-way delay: 131.814 ms

Loss rate: 3.39%

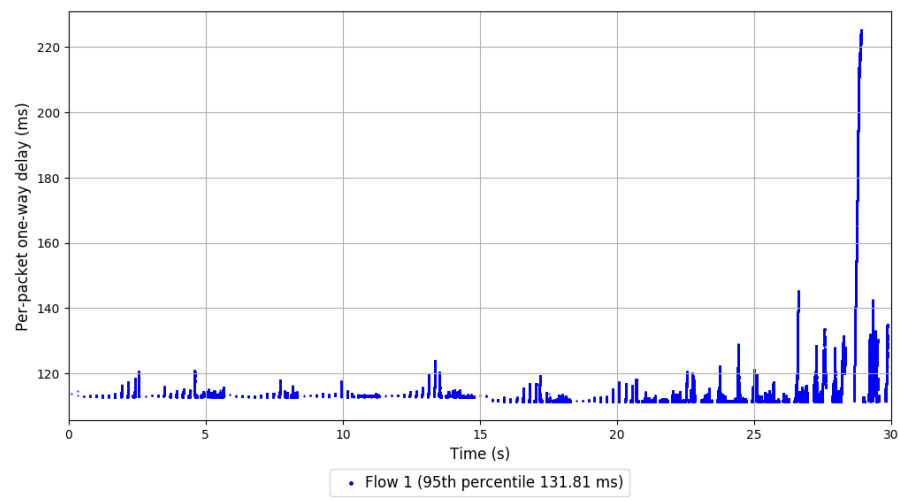
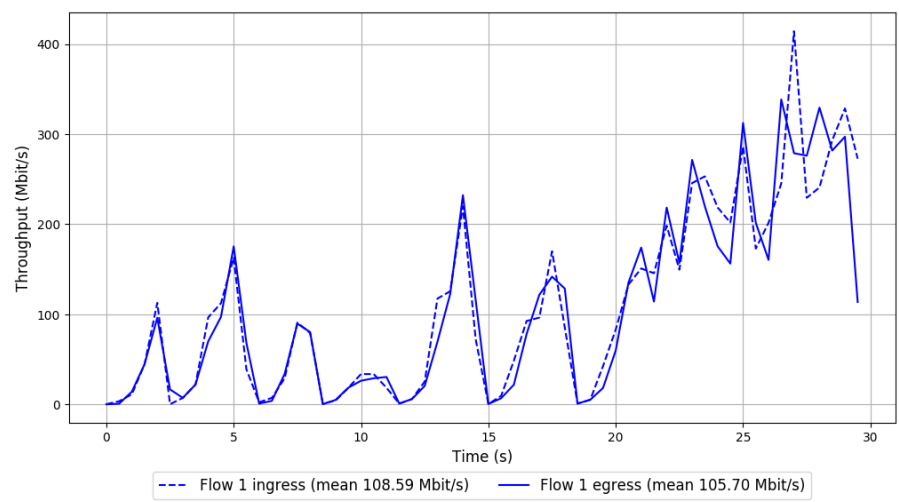
-- Flow 1:

Average throughput: 105.70 Mbit/s

95th percentile per-packet one-way delay: 131.814 ms

Loss rate: 3.39%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-16 07:55:15

End at: 2018-01-16 07:55:45

Below is generated by plot.py at 2018-01-16 12:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.56 Mbit/s

95th percentile per-packet one-way delay: 168.003 ms

Loss rate: 0.79%

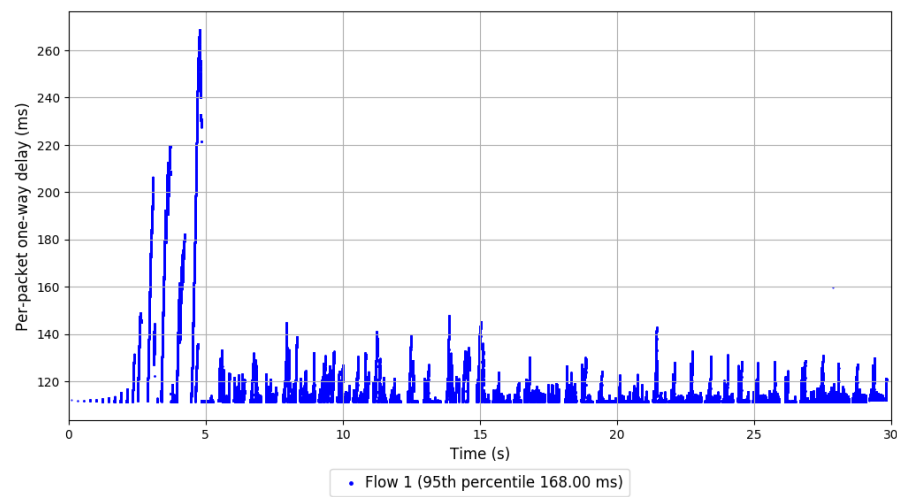
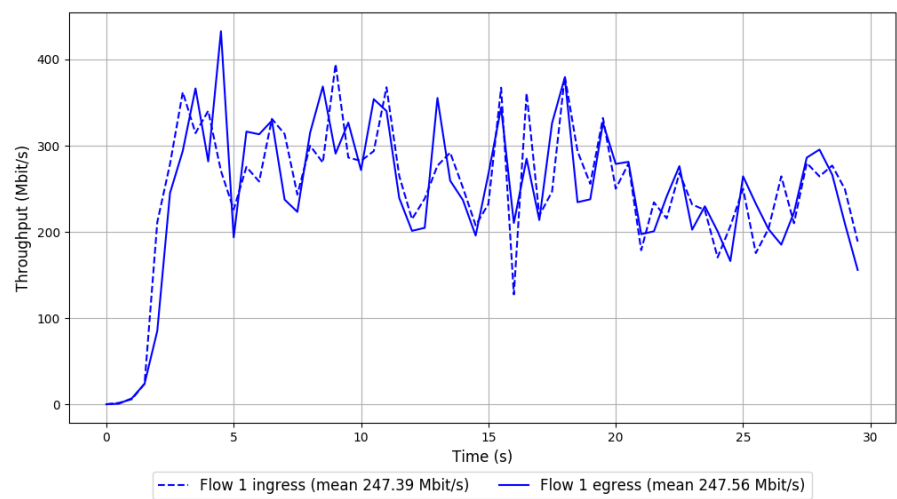
-- Flow 1:

Average throughput: 247.56 Mbit/s

95th percentile per-packet one-way delay: 168.003 ms

Loss rate: 0.79%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-16 08:10:04

End at: 2018-01-16 08:10:34

Below is generated by plot.py at 2018-01-16 12:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.59 Mbit/s

95th percentile per-packet one-way delay: 150.884 ms

Loss rate: 1.09%

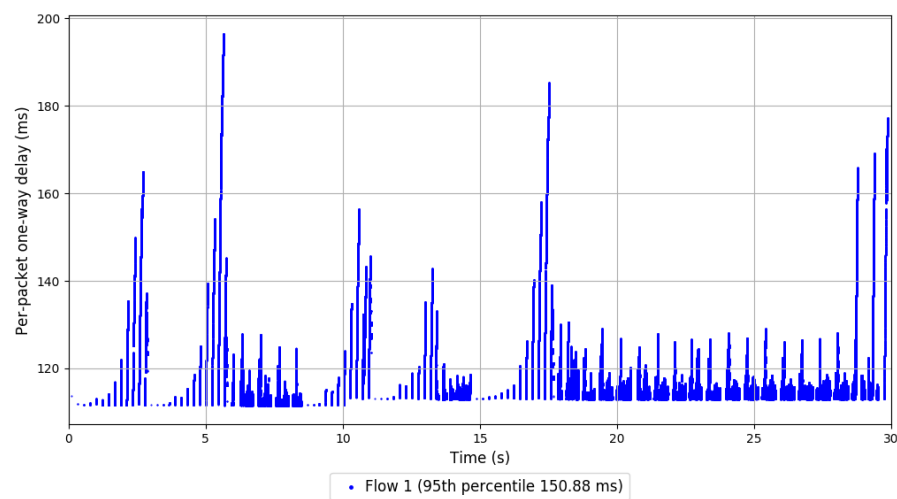
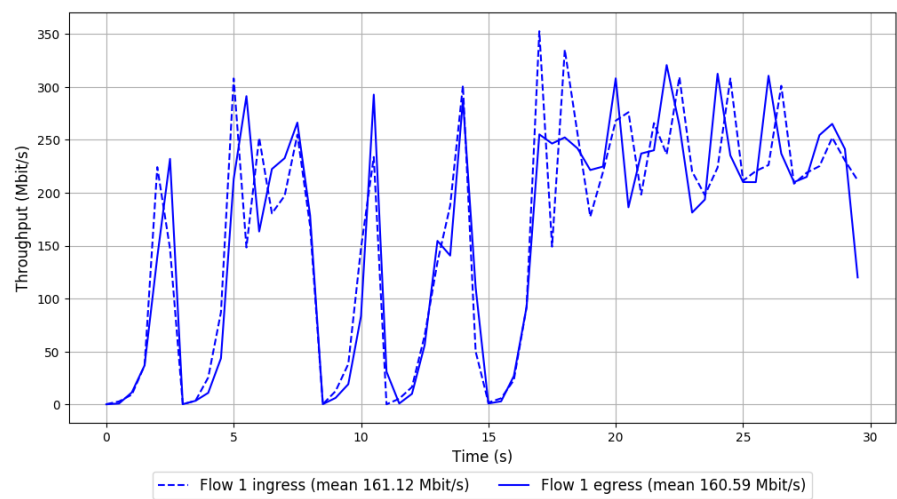
-- Flow 1:

Average throughput: 160.59 Mbit/s

95th percentile per-packet one-way delay: 150.884 ms

Loss rate: 1.09%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-16 08:25:29

End at: 2018-01-16 08:25:59

Below is generated by plot.py at 2018-01-16 12:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.72 Mbit/s

95th percentile per-packet one-way delay: 320.963 ms

Loss rate: 8.08%

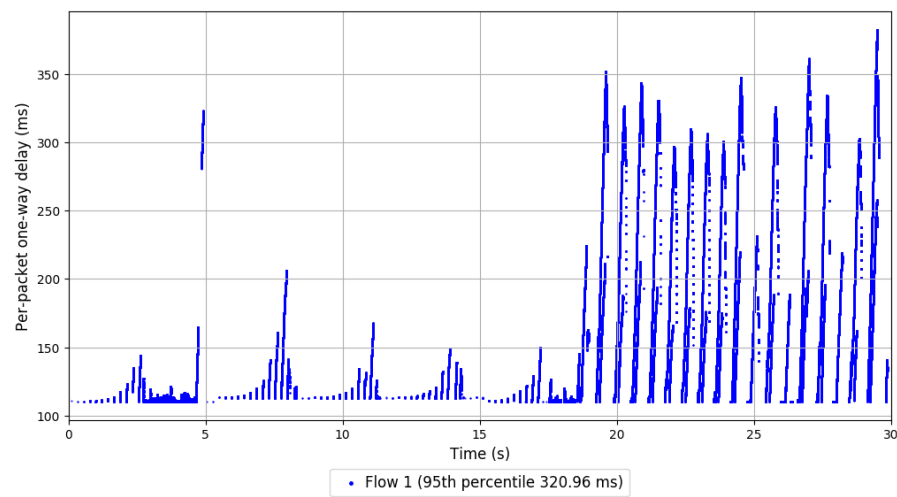
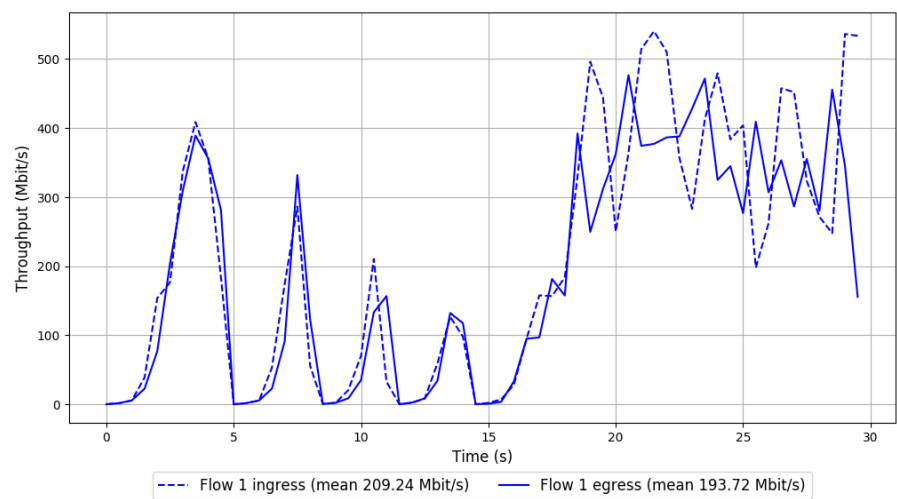
-- Flow 1:

Average throughput: 193.72 Mbit/s

95th percentile per-packet one-way delay: 320.963 ms

Loss rate: 8.08%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-16 08:40:25

End at: 2018-01-16 08:40:55

Below is generated by plot.py at 2018-01-16 12:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.86 Mbit/s

95th percentile per-packet one-way delay: 143.167 ms

Loss rate: 1.04%

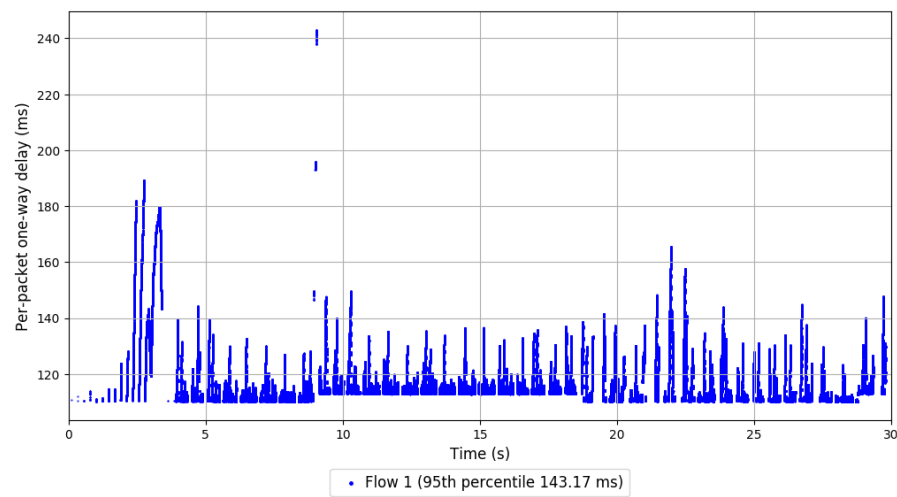
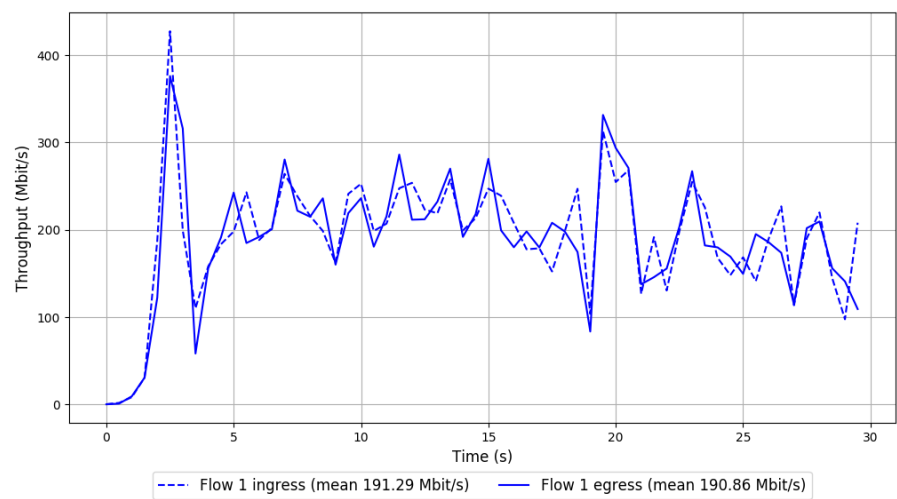
-- Flow 1:

Average throughput: 190.86 Mbit/s

95th percentile per-packet one-way delay: 143.167 ms

Loss rate: 1.04%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-16 08:55:06

End at: 2018-01-16 08:55:36

Below is generated by plot.py at 2018-01-16 12:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.61 Mbit/s

95th percentile per-packet one-way delay: 138.869 ms

Loss rate: 0.32%

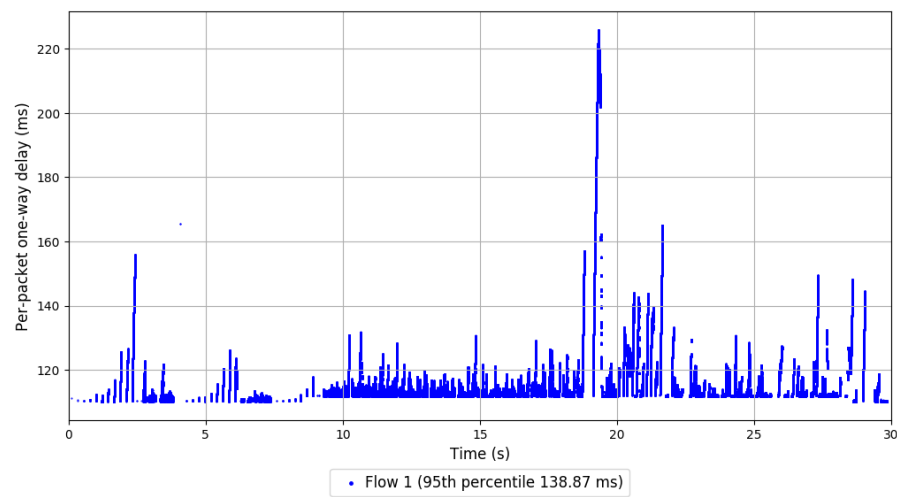
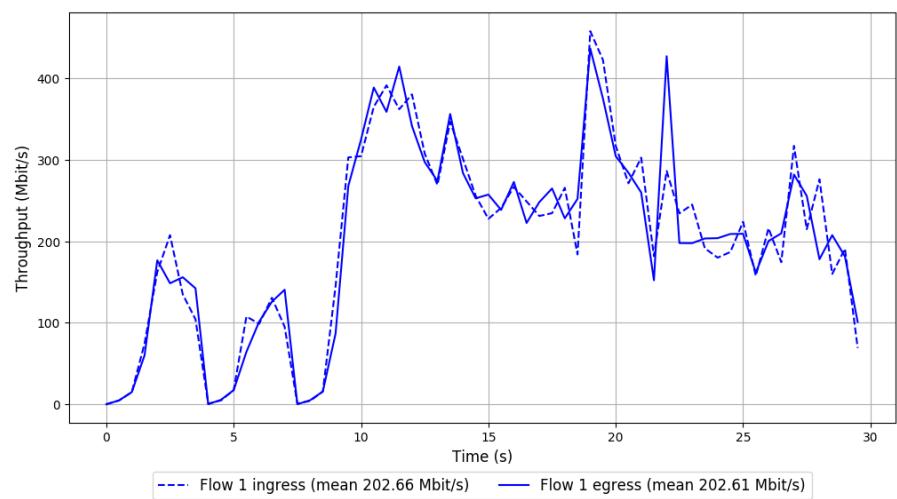
-- Flow 1:

Average throughput: 202.61 Mbit/s

95th percentile per-packet one-way delay: 138.869 ms

Loss rate: 0.32%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-16 09:10:26

End at: 2018-01-16 09:10:56

Below is generated by plot.py at 2018-01-16 12:53:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.11 Mbit/s

95th percentile per-packet one-way delay: 132.269 ms

Loss rate: 0.49%

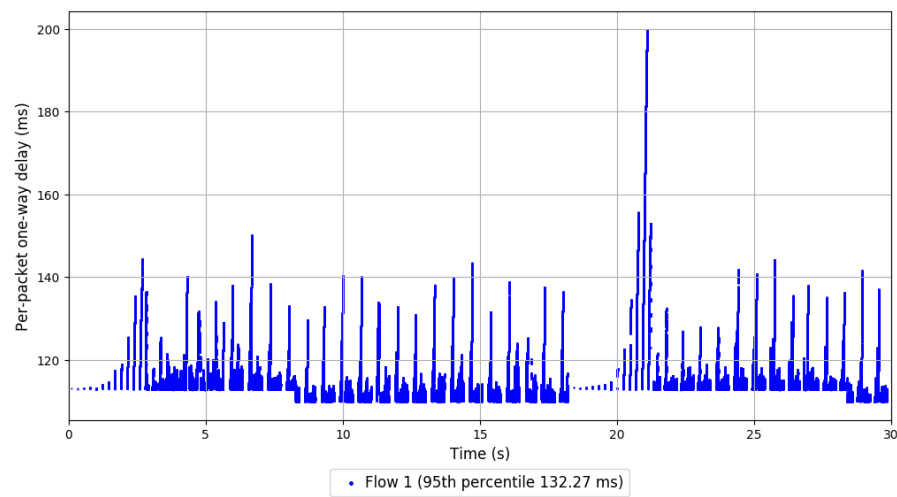
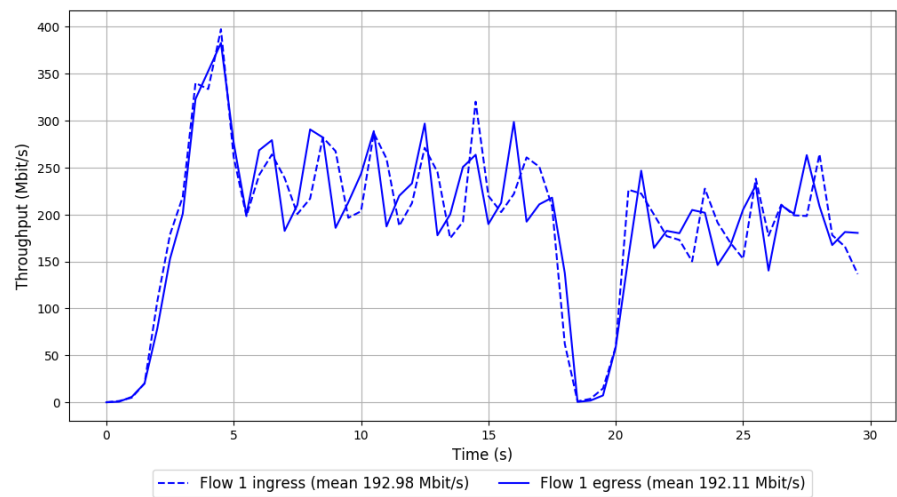
-- Flow 1:

Average throughput: 192.11 Mbit/s

95th percentile per-packet one-way delay: 132.269 ms

Loss rate: 0.49%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-16 09:25:30

End at: 2018-01-16 09:26:00

Below is generated by plot.py at 2018-01-16 12:55:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.38 Mbit/s

95th percentile per-packet one-way delay: 165.678 ms

Loss rate: 0.60%

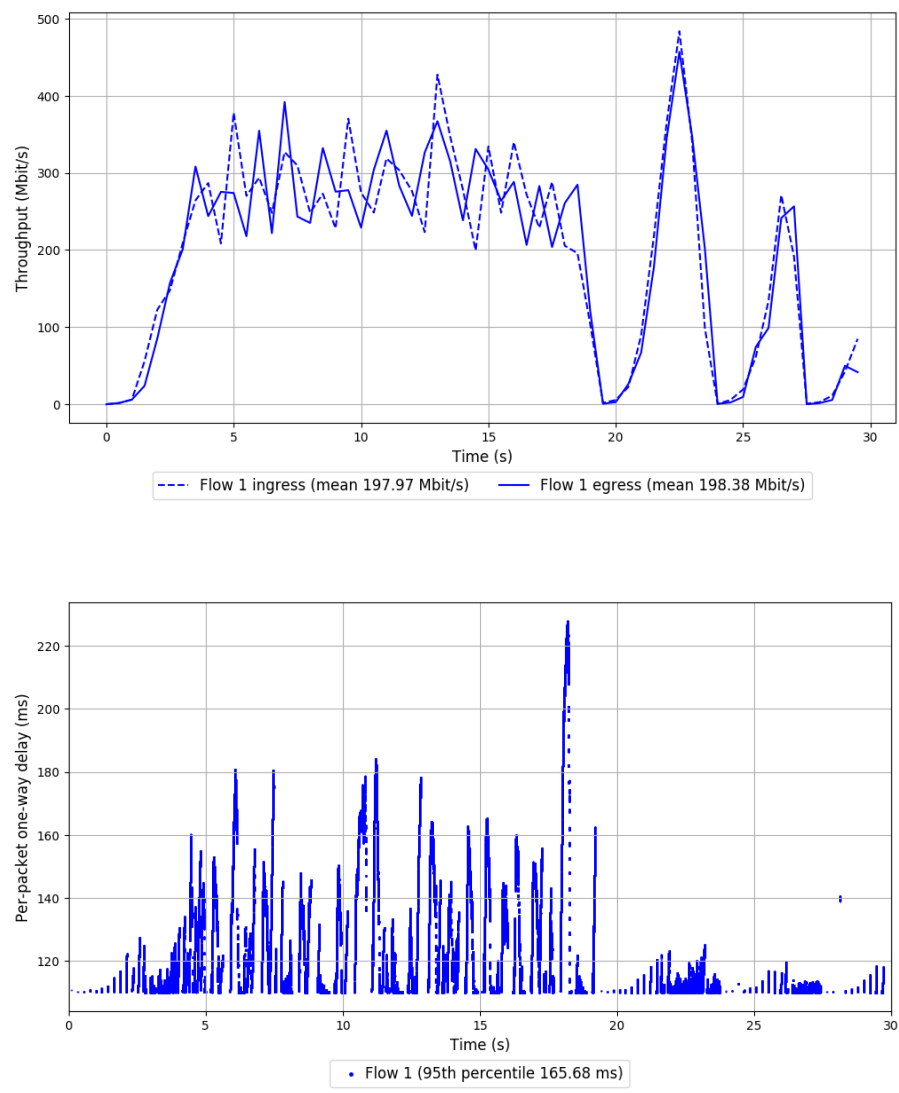
-- Flow 1:

Average throughput: 198.38 Mbit/s

95th percentile per-packet one-way delay: 165.678 ms

Loss rate: 0.60%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-16 09:40:24

End at: 2018-01-16 09:40:54

Below is generated by plot.py at 2018-01-16 12:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.24 Mbit/s

95th percentile per-packet one-way delay: 170.618 ms

Loss rate: 1.06%

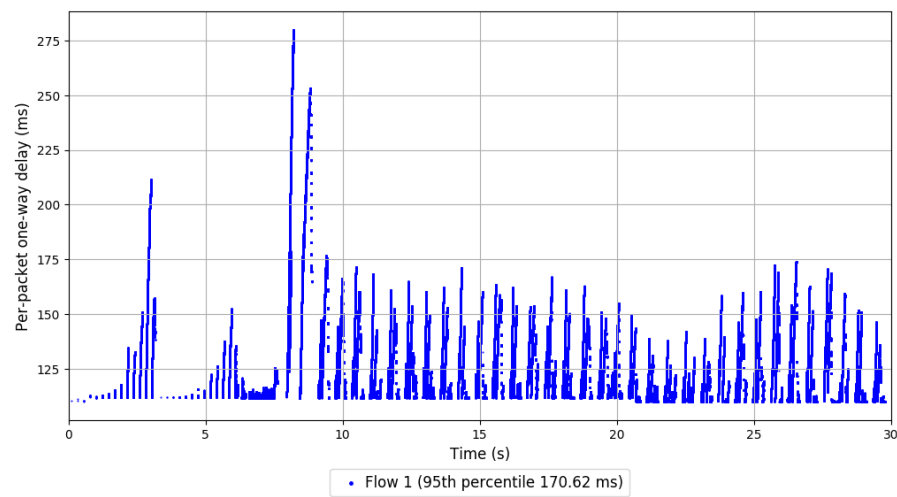
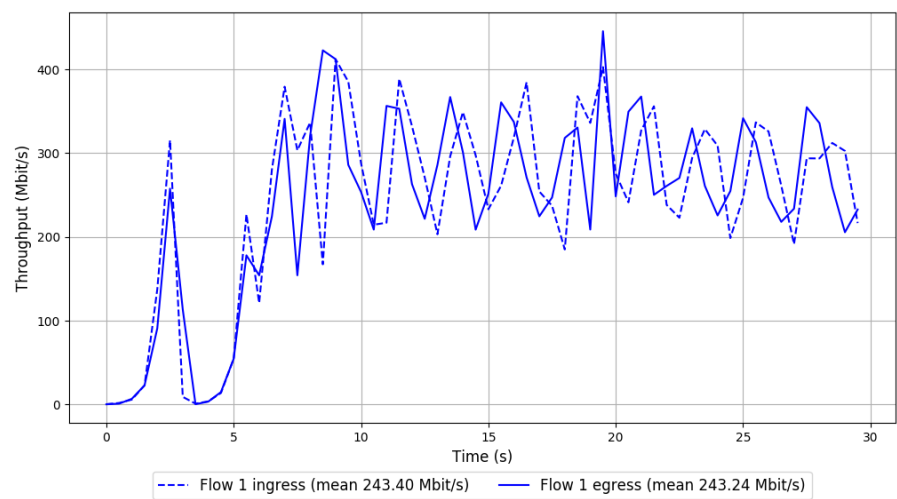
-- Flow 1:

Average throughput: 243.24 Mbit/s

95th percentile per-packet one-way delay: 170.618 ms

Loss rate: 1.06%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-16 07:30:49

End at: 2018-01-16 07:31:19

Below is generated by plot.py at 2018-01-16 12:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.72 Mbit/s

95th percentile per-packet one-way delay: 113.210 ms

Loss rate: 0.75%

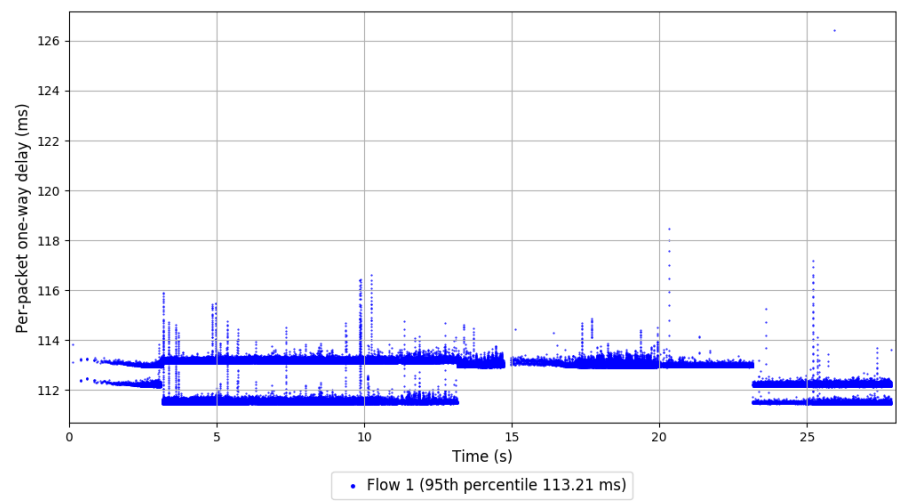
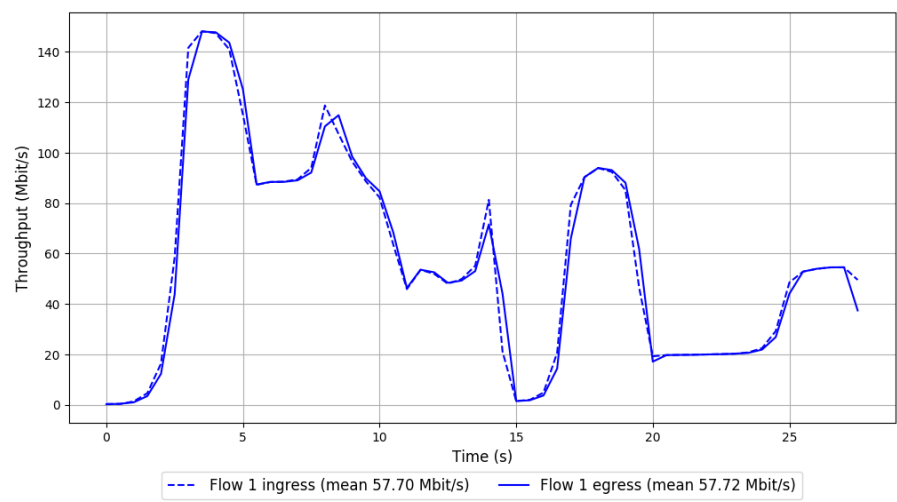
-- Flow 1:

Average throughput: 57.72 Mbit/s

95th percentile per-packet one-way delay: 113.210 ms

Loss rate: 0.75%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-16 07:45:42

End at: 2018-01-16 07:46:12

Below is generated by plot.py at 2018-01-16 12:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 113.225 ms

Loss rate: 0.70%

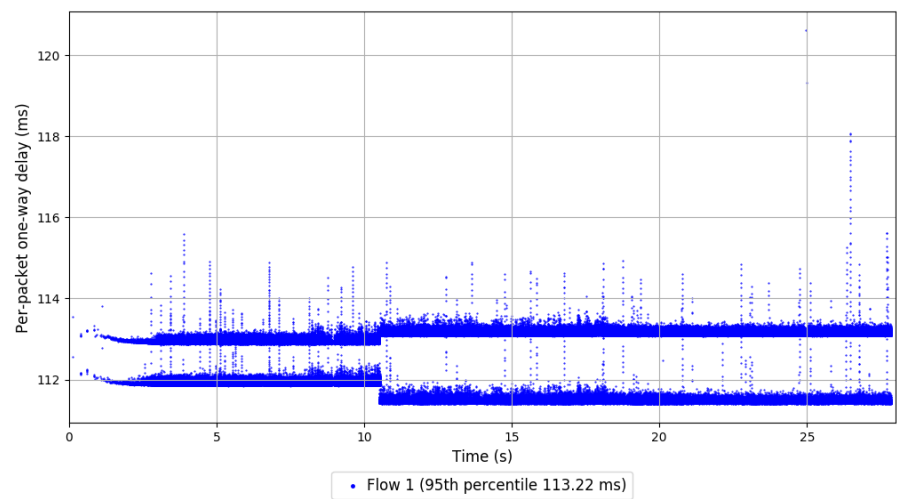
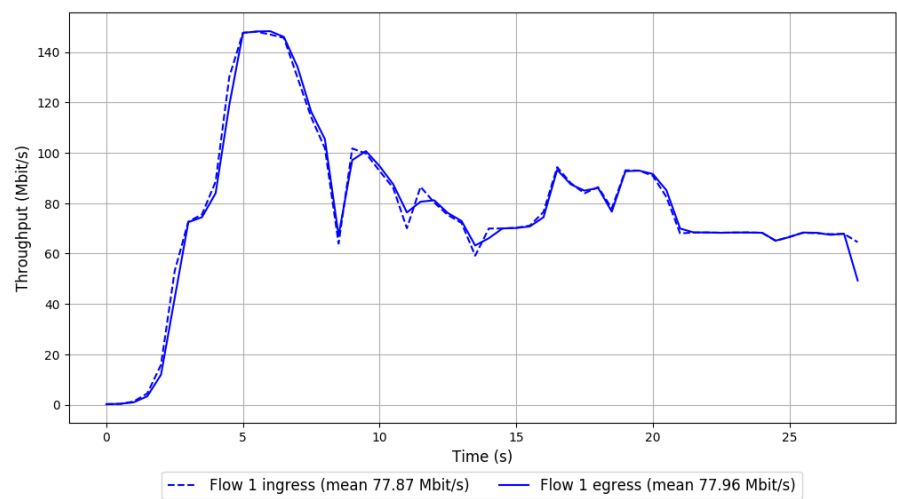
-- Flow 1:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 113.225 ms

Loss rate: 0.70%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

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

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

Below is generated by plot.py at 2018-01-16 12:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.37 Mbit/s

95th percentile per-packet one-way delay: 112.955 ms

Loss rate: 0.82%

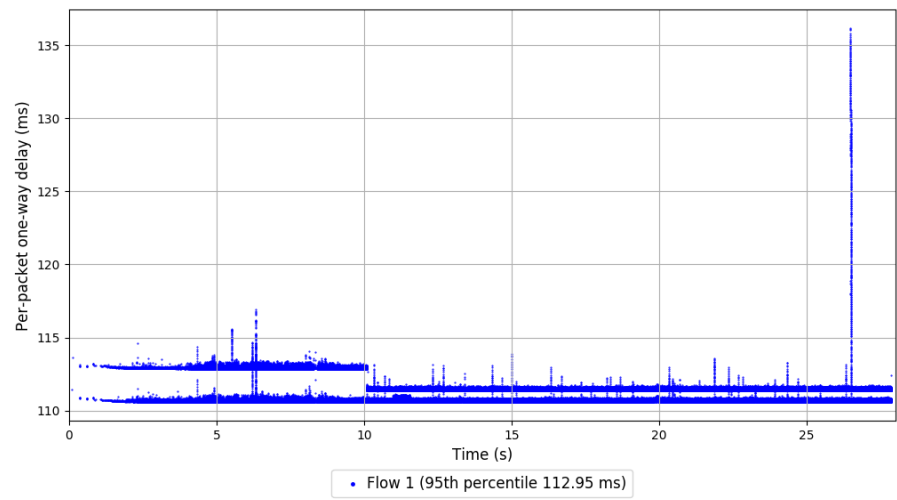
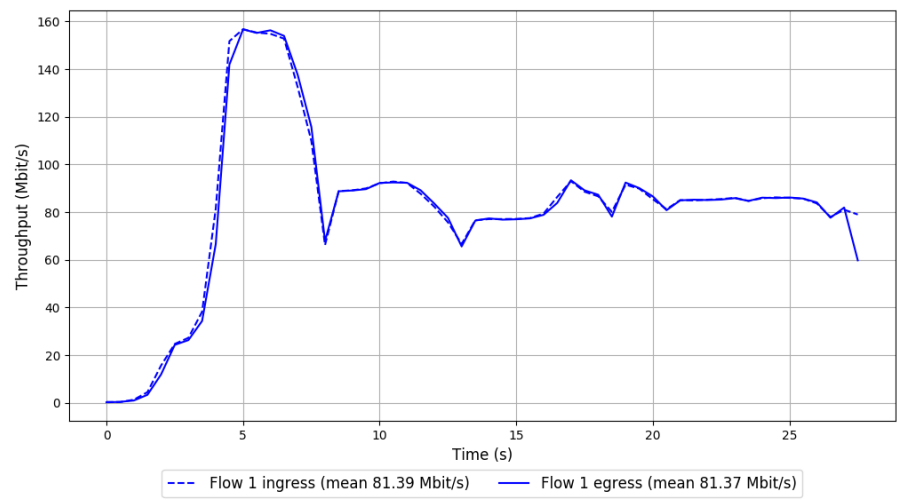
-- Flow 1:

Average throughput: 81.37 Mbit/s

95th percentile per-packet one-way delay: 112.955 ms

Loss rate: 0.82%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-16 08:15:51

End at: 2018-01-16 08:16:21

Below is generated by plot.py at 2018-01-16 12:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.61 Mbit/s

95th percentile per-packet one-way delay: 112.932 ms

Loss rate: 0.90%

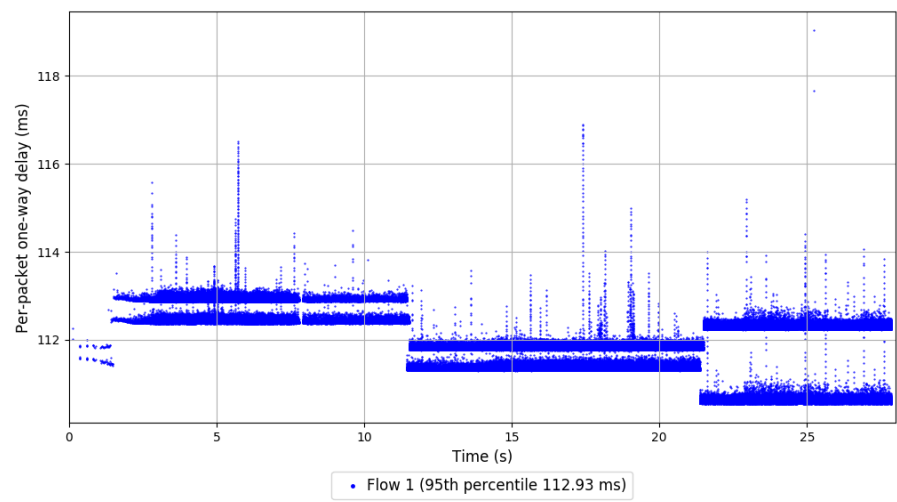
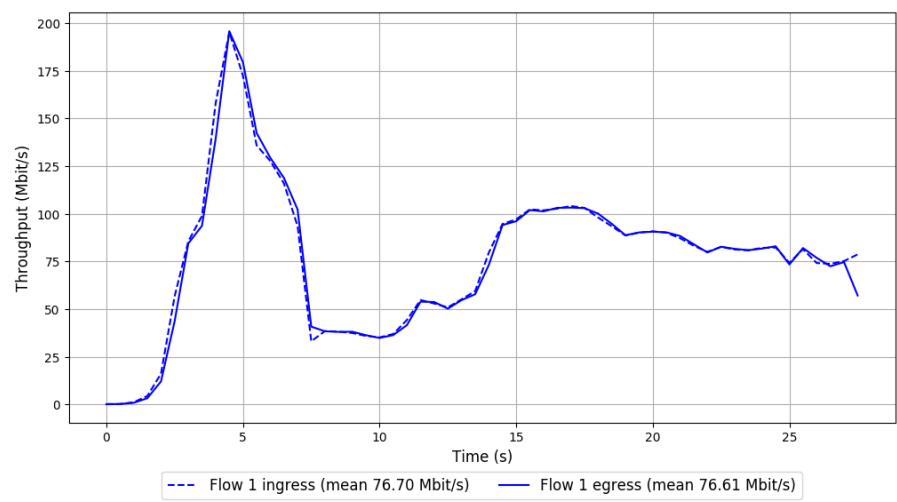
-- Flow 1:

Average throughput: 76.61 Mbit/s

95th percentile per-packet one-way delay: 112.932 ms

Loss rate: 0.90%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-16 08:31:17

End at: 2018-01-16 08:31:47

Below is generated by plot.py at 2018-01-16 12:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.33 Mbit/s

95th percentile per-packet one-way delay: 112.957 ms

Loss rate: 0.46%

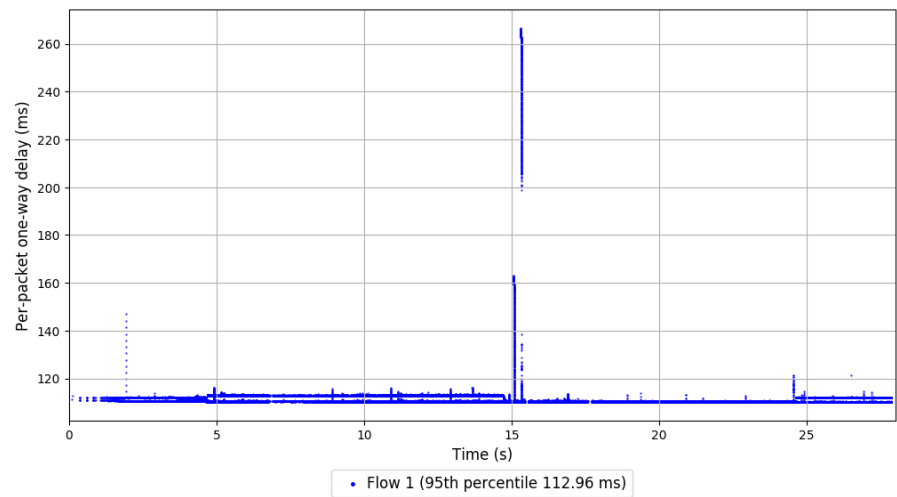
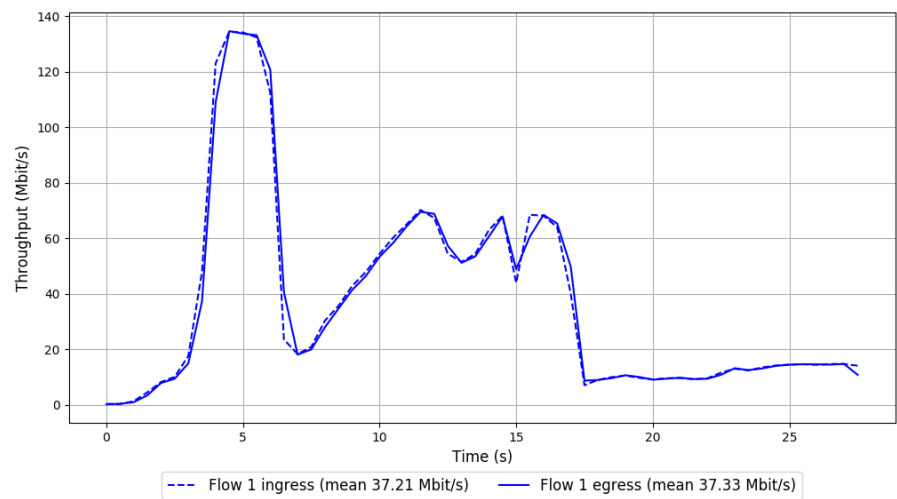
-- Flow 1:

Average throughput: 37.33 Mbit/s

95th percentile per-packet one-way delay: 112.957 ms

Loss rate: 0.46%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-16 08:46:23

End at: 2018-01-16 08:46:53

Below is generated by plot.py at 2018-01-16 12:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.97 Mbit/s

95th percentile per-packet one-way delay: 112.760 ms

Loss rate: 0.97%

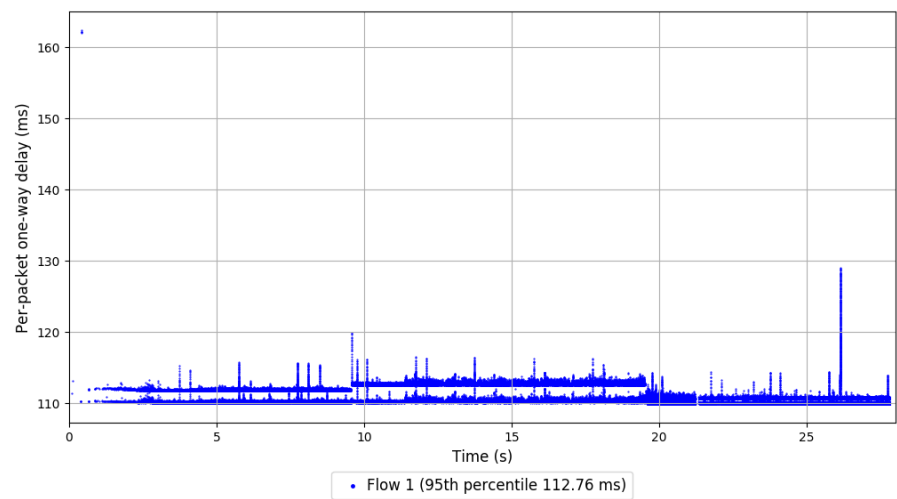
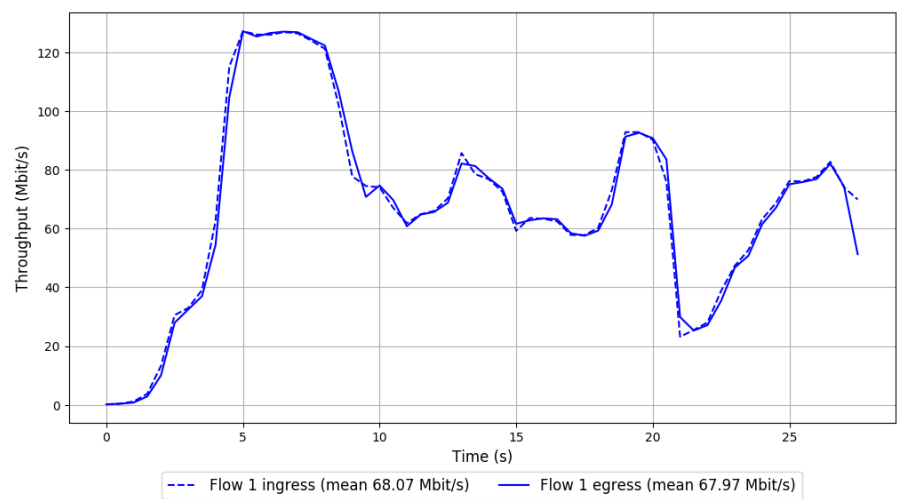
-- Flow 1:

Average throughput: 67.97 Mbit/s

95th percentile per-packet one-way delay: 112.760 ms

Loss rate: 0.97%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-16 09:00:52

End at: 2018-01-16 09:01:22

Below is generated by plot.py at 2018-01-16 12:56:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.50 Mbit/s

95th percentile per-packet one-way delay: 112.083 ms

Loss rate: 0.31%

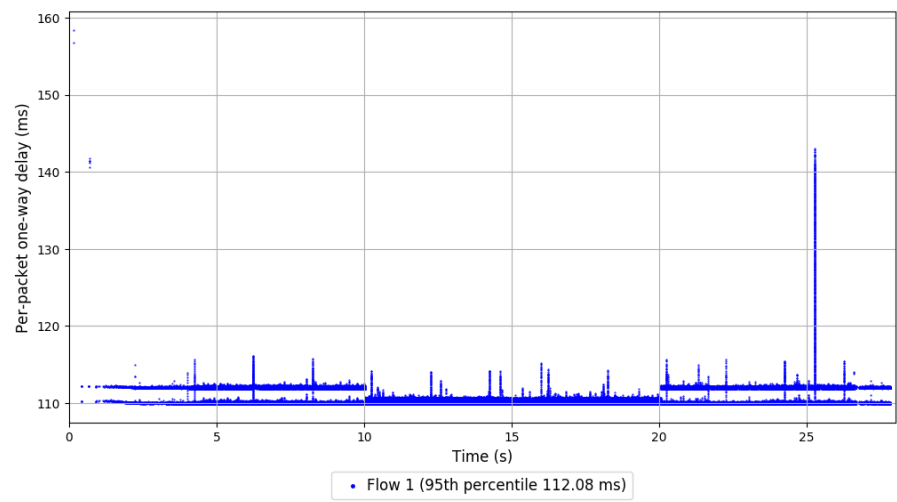
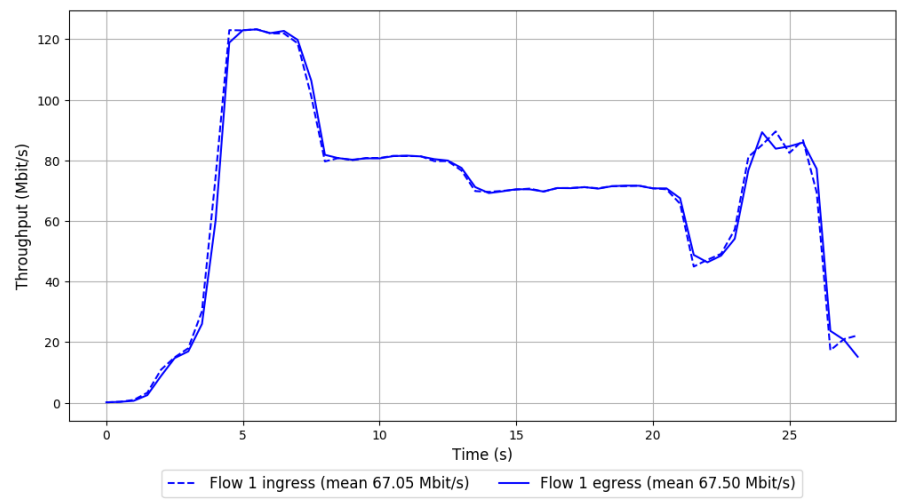
-- Flow 1:

Average throughput: 67.50 Mbit/s

95th percentile per-packet one-way delay: 112.083 ms

Loss rate: 0.31%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-16 09:16:18

End at: 2018-01-16 09:16:48

Below is generated by plot.py at 2018-01-16 12:56:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.19 Mbit/s

95th percentile per-packet one-way delay: 112.942 ms

Loss rate: 1.22%

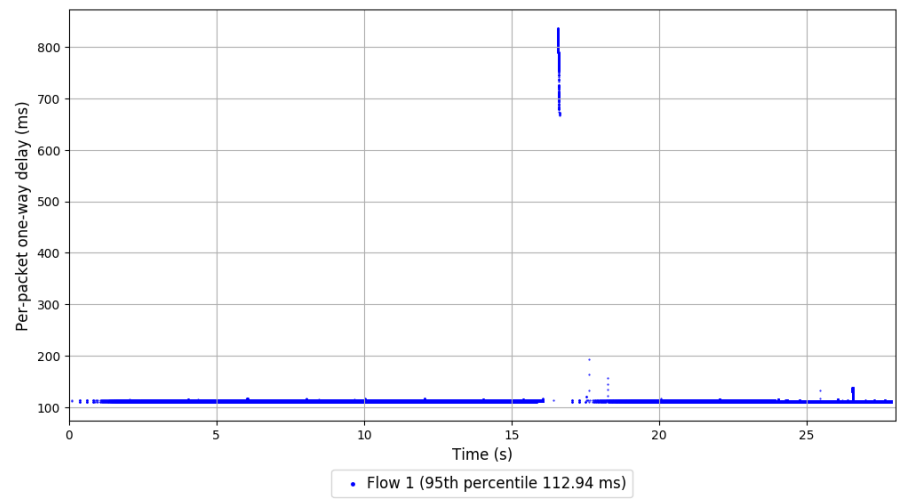
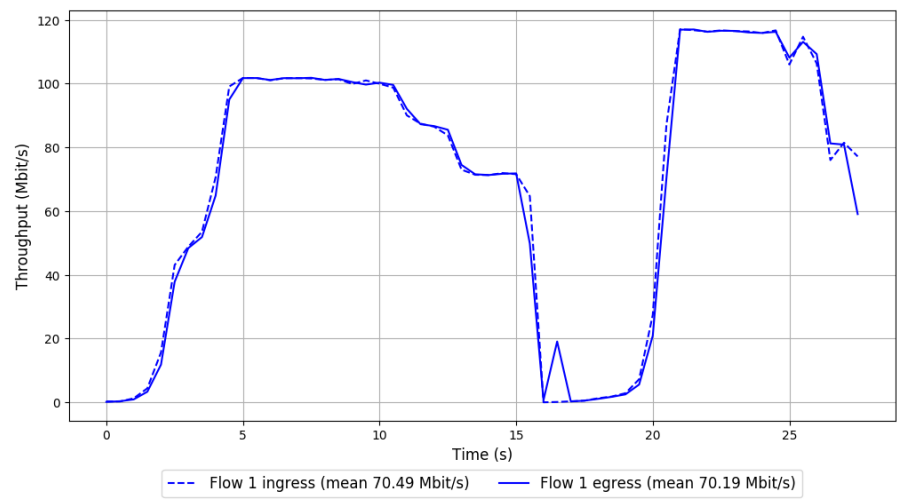
-- Flow 1:

Average throughput: 70.19 Mbit/s

95th percentile per-packet one-way delay: 112.942 ms

Loss rate: 1.22%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-16 09:31:21

End at: 2018-01-16 09:31:51

Below is generated by plot.py at 2018-01-16 12:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.08 Mbit/s

95th percentile per-packet one-way delay: 111.975 ms

Loss rate: 1.16%

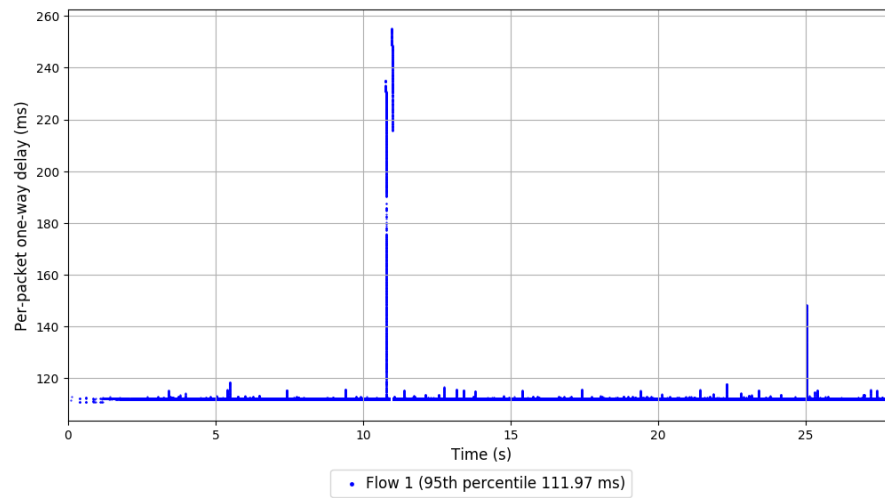
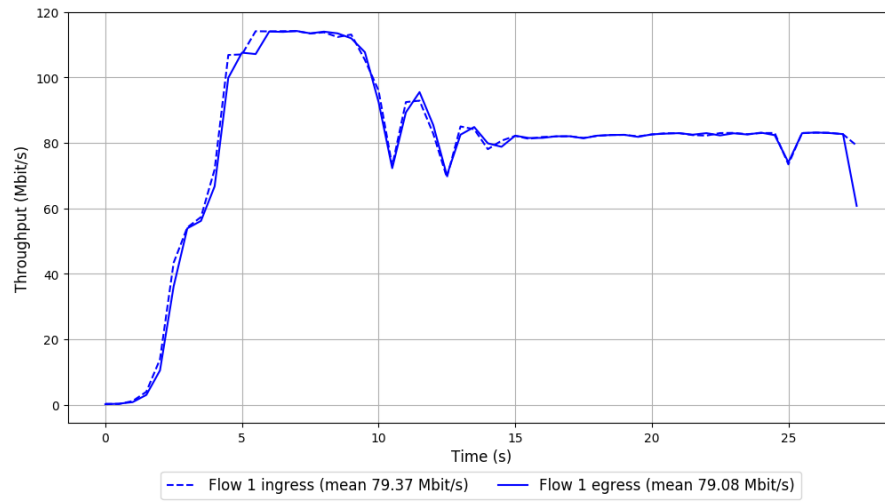
-- Flow 1:

Average throughput: 79.08 Mbit/s

95th percentile per-packet one-way delay: 111.975 ms

Loss rate: 1.16%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-16 09:46:18

End at: 2018-01-16 09:46:48

Below is generated by plot.py at 2018-01-16 12:57:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.75 Mbit/s

95th percentile per-packet one-way delay: 111.739 ms

Loss rate: 0.79%

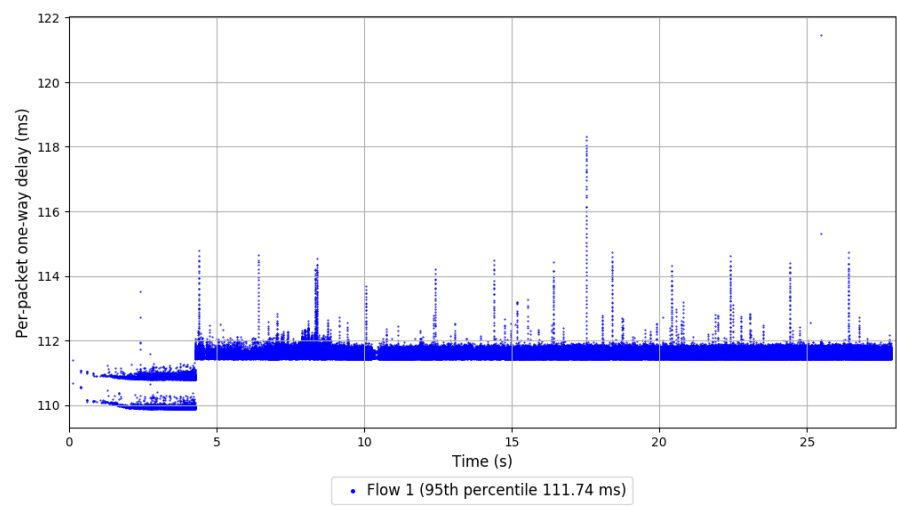
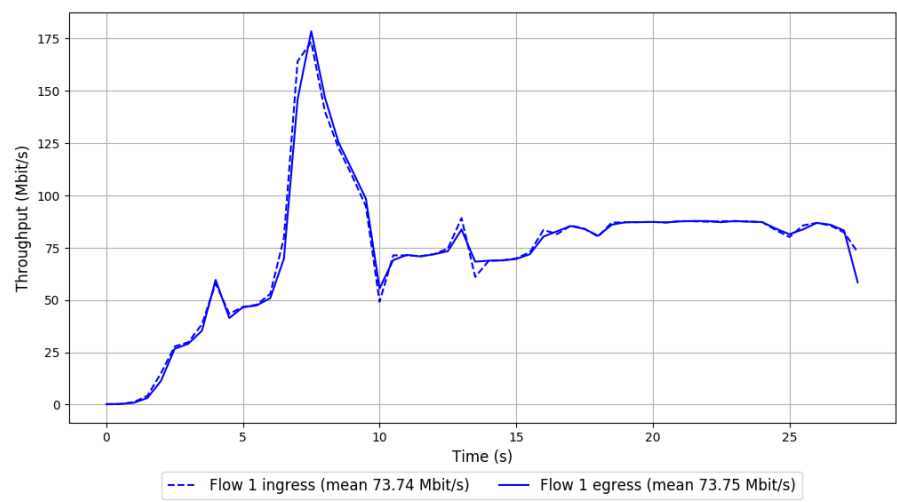
-- Flow 1:

Average throughput: 73.75 Mbit/s

95th percentile per-packet one-way delay: 111.739 ms

Loss rate: 0.79%

Run 10: Report of Copa — Data Link

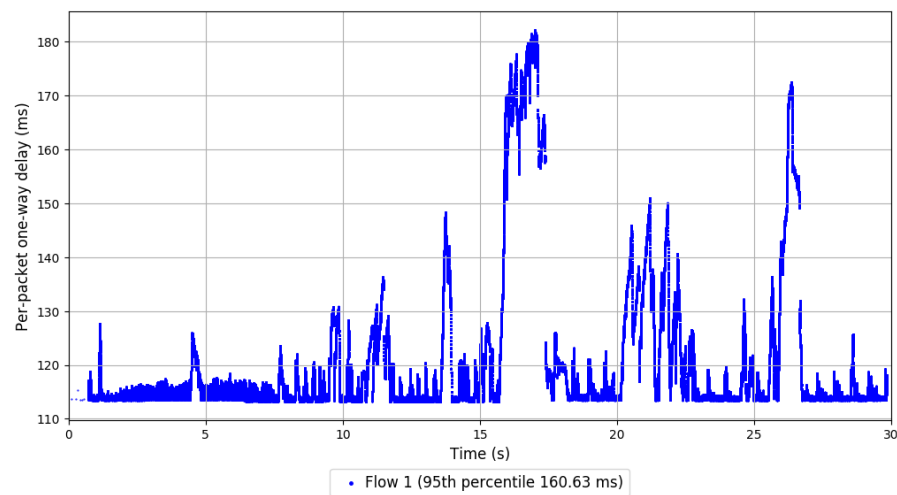
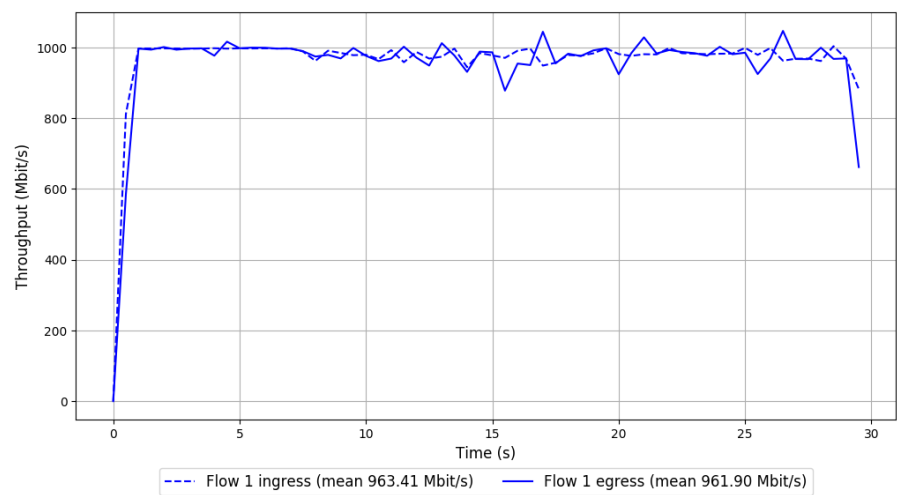


```
Run 1: Statistics of FillP

Start at: 2018-01-16 07:32:18
End at: 2018-01-16 07:32:48

# Below is generated by plot.py at 2018-01-16 13:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 961.90 Mbit/s
95th percentile per-packet one-way delay: 160.626 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 961.90 Mbit/s
95th percentile per-packet one-way delay: 160.626 ms
Loss rate: 0.90%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-16 07:47:13

End at: 2018-01-16 07:47:43

Below is generated by plot.py at 2018-01-16 13:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 966.51 Mbit/s

95th percentile per-packet one-way delay: 207.296 ms

Loss rate: 1.06%

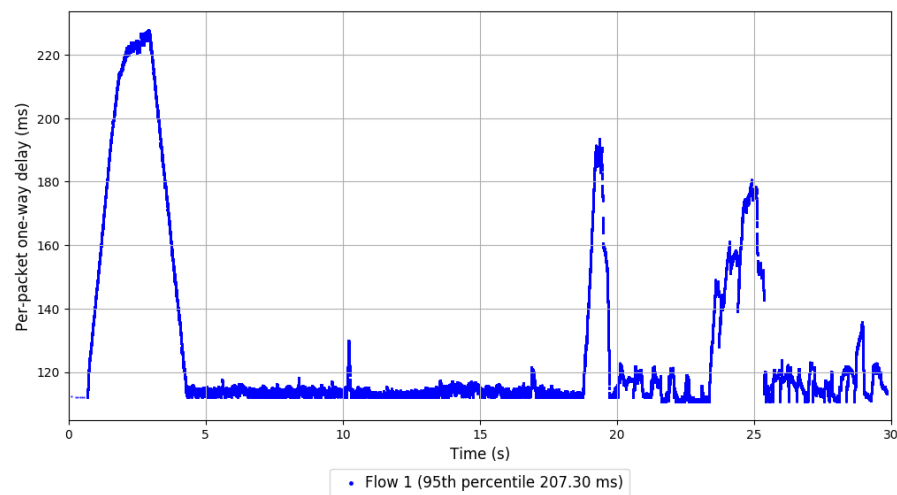
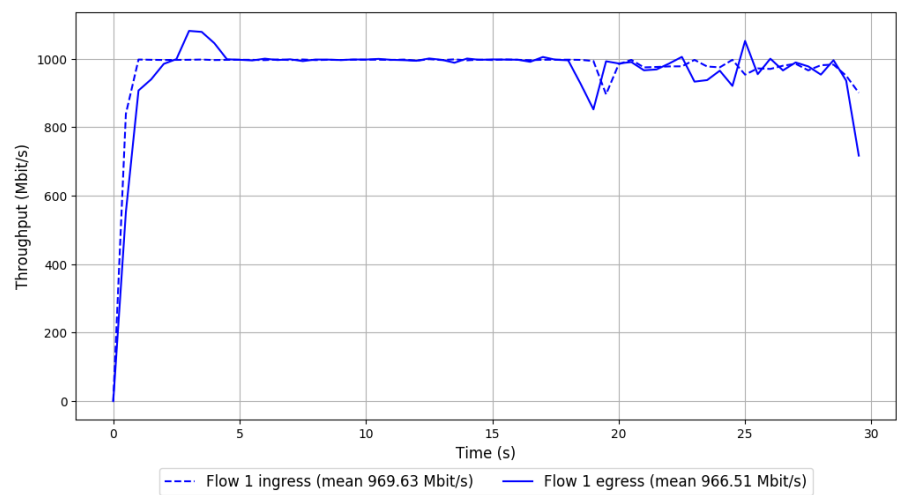
-- Flow 1:

Average throughput: 966.51 Mbit/s

95th percentile per-packet one-way delay: 207.296 ms

Loss rate: 1.06%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-16 08:02:33

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

Below is generated by plot.py at 2018-01-16 13:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 953.44 Mbit/s

95th percentile per-packet one-way delay: 215.163 ms

Loss rate: 1.23%

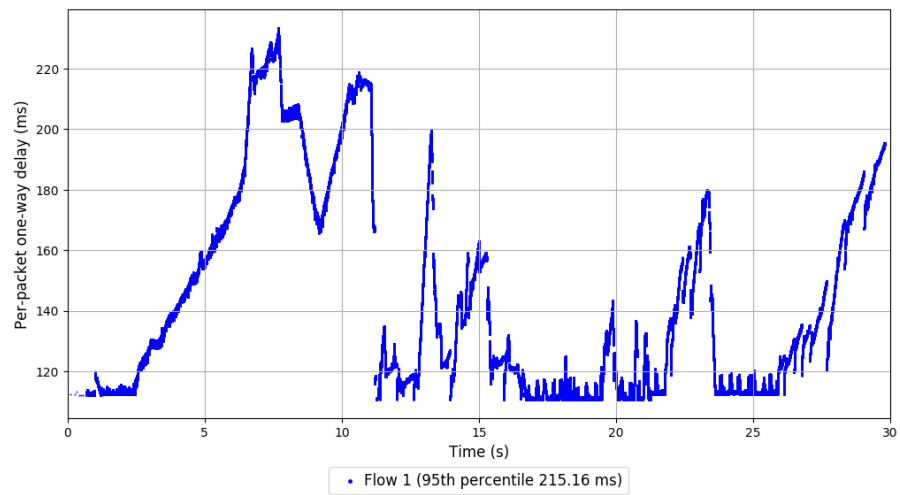
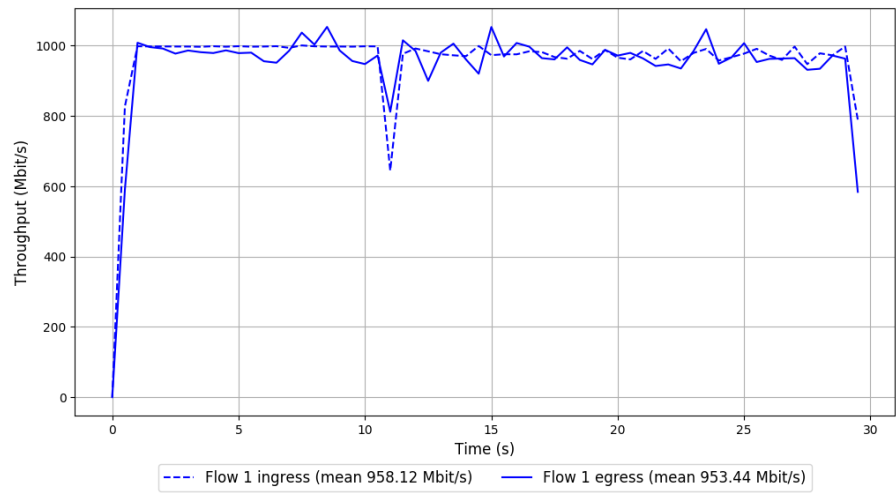
-- Flow 1:

Average throughput: 953.44 Mbit/s

95th percentile per-packet one-way delay: 215.163 ms

Loss rate: 1.23%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-16 08:17:24

End at: 2018-01-16 08:17:54

Below is generated by plot.py at 2018-01-16 13:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 978.24 Mbit/s

95th percentile per-packet one-way delay: 128.215 ms

Loss rate: 0.79%

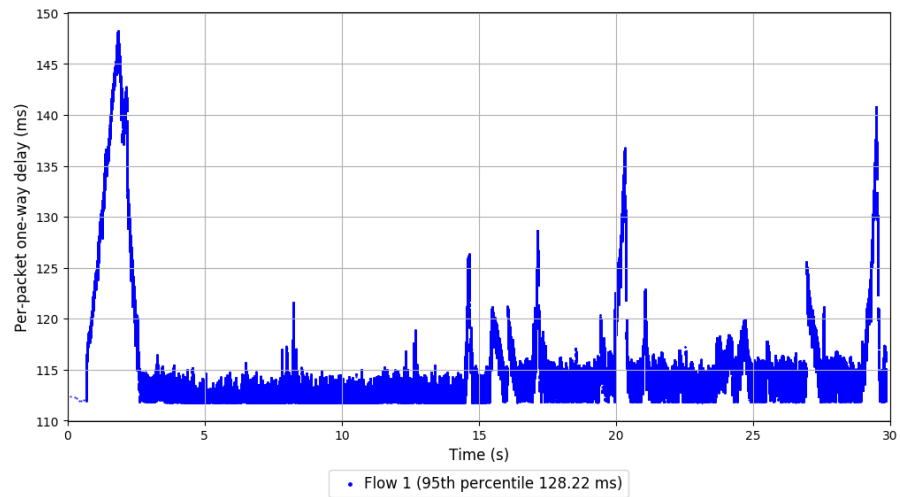
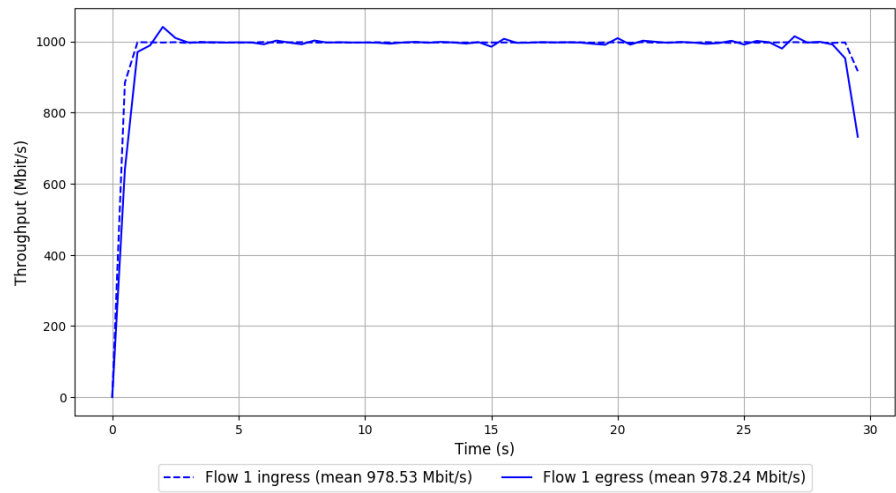
-- Flow 1:

Average throughput: 978.24 Mbit/s

95th percentile per-packet one-way delay: 128.215 ms

Loss rate: 0.79%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-16 08:32:45

End at: 2018-01-16 08:33:15

Below is generated by plot.py at 2018-01-16 13:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 948.29 Mbit/s

95th percentile per-packet one-way delay: 190.580 ms

Loss rate: 0.95%

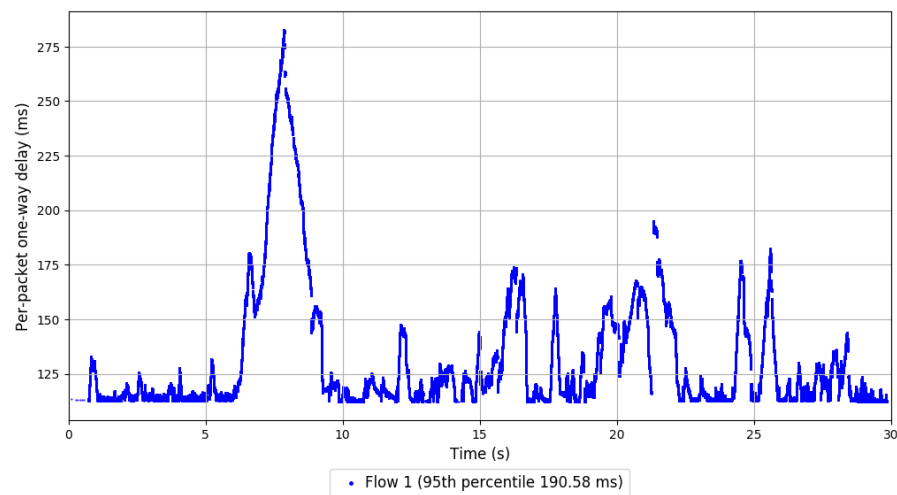
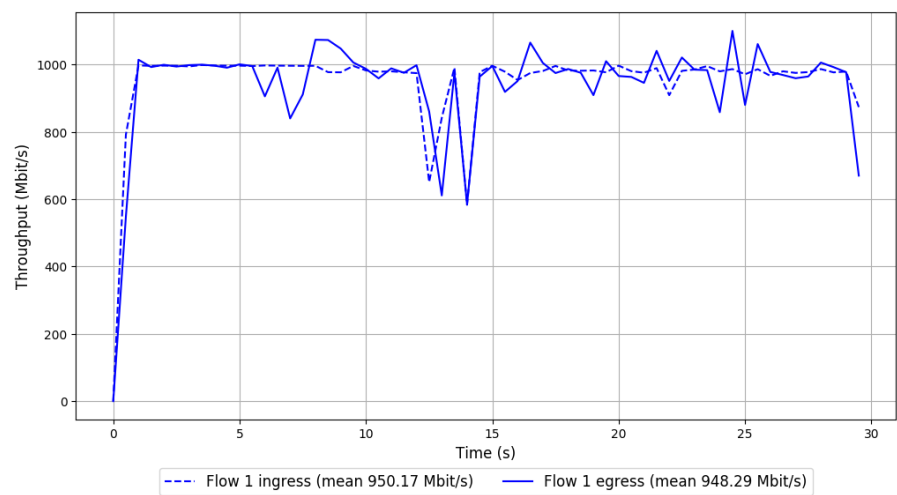
-- Flow 1:

Average throughput: 948.29 Mbit/s

95th percentile per-packet one-way delay: 190.580 ms

Loss rate: 0.95%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-16 08:47:53

End at: 2018-01-16 08:48:23

Below is generated by plot.py at 2018-01-16 13:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.50 Mbit/s

95th percentile per-packet one-way delay: 241.873 ms

Loss rate: 8.71%

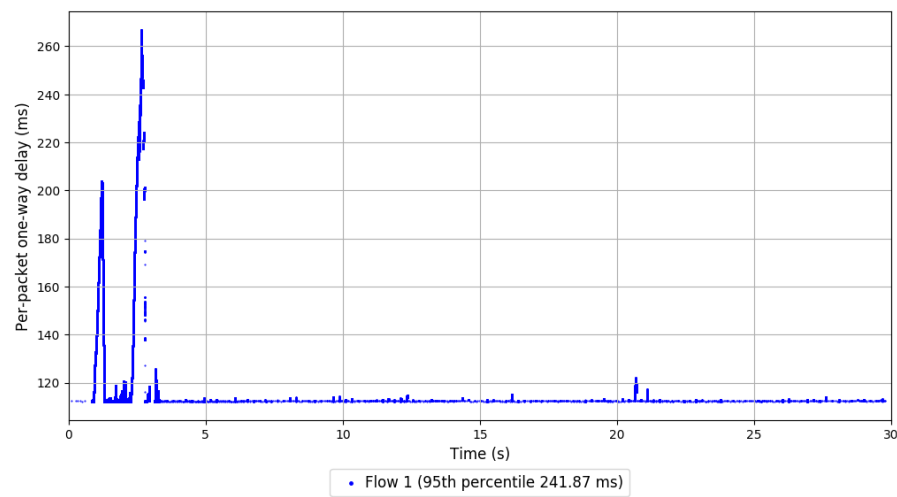
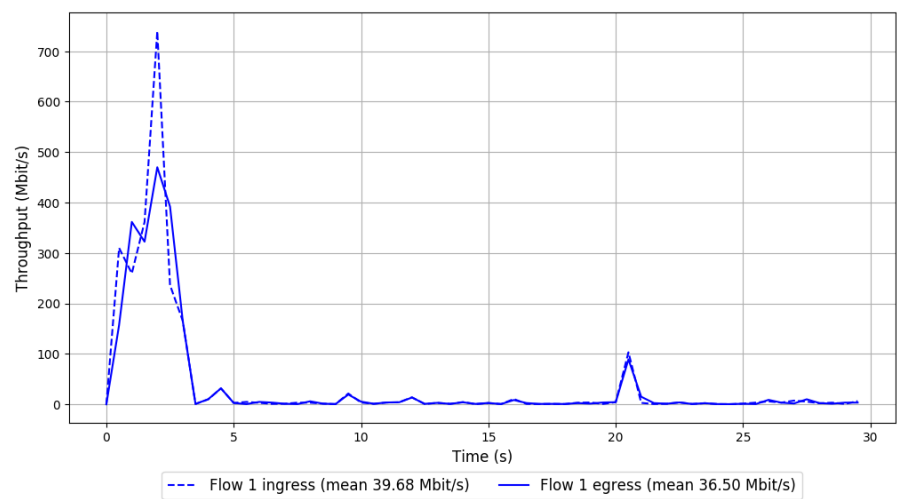
-- Flow 1:

Average throughput: 36.50 Mbit/s

95th percentile per-packet one-way delay: 241.873 ms

Loss rate: 8.71%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-16 09:02:24

End at: 2018-01-16 09:02:54

Below is generated by plot.py at 2018-01-16 13:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 735.41 Mbit/s

95th percentile per-packet one-way delay: 230.663 ms

Loss rate: 14.39%

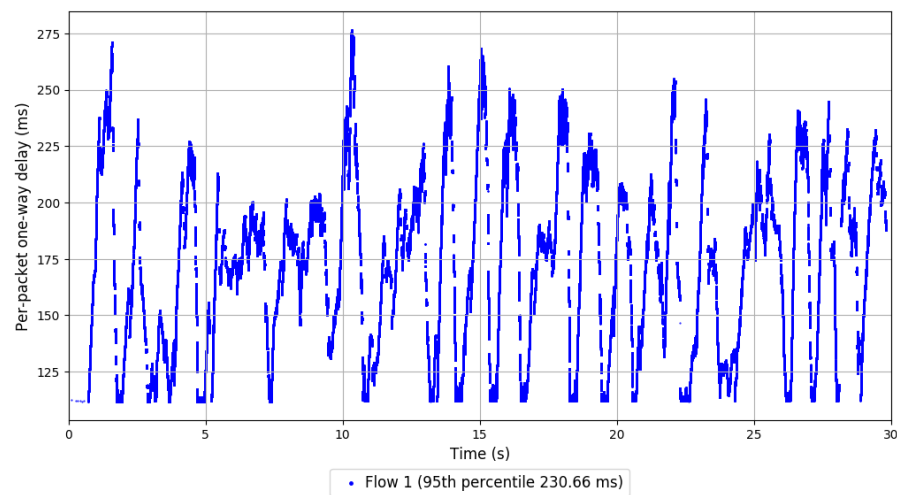
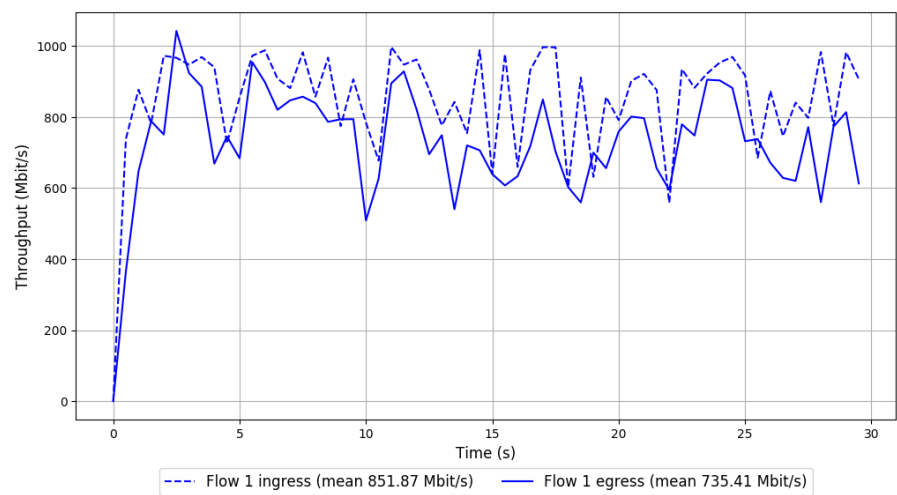
-- Flow 1:

Average throughput: 735.41 Mbit/s

95th percentile per-packet one-way delay: 230.663 ms

Loss rate: 14.39%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-16 09:17:51

End at: 2018-01-16 09:18:21

Below is generated by plot.py at 2018-01-16 13:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 762.30 Mbit/s

95th percentile per-packet one-way delay: 233.258 ms

Loss rate: 10.26%

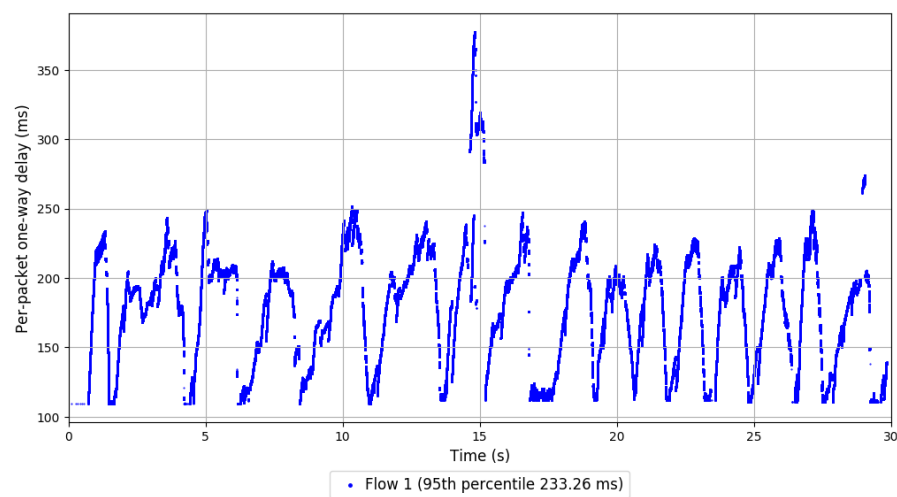
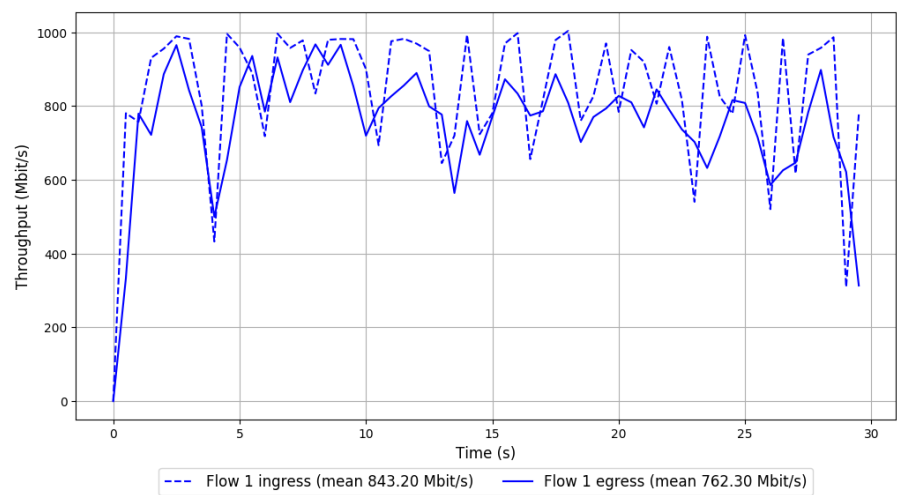
-- Flow 1:

Average throughput: 762.30 Mbit/s

95th percentile per-packet one-way delay: 233.258 ms

Loss rate: 10.26%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-16 09:32:53

End at: 2018-01-16 09:33:24

Below is generated by plot.py at 2018-01-16 13:13:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 939.02 Mbit/s

95th percentile per-packet one-way delay: 187.598 ms

Loss rate: 2.26%

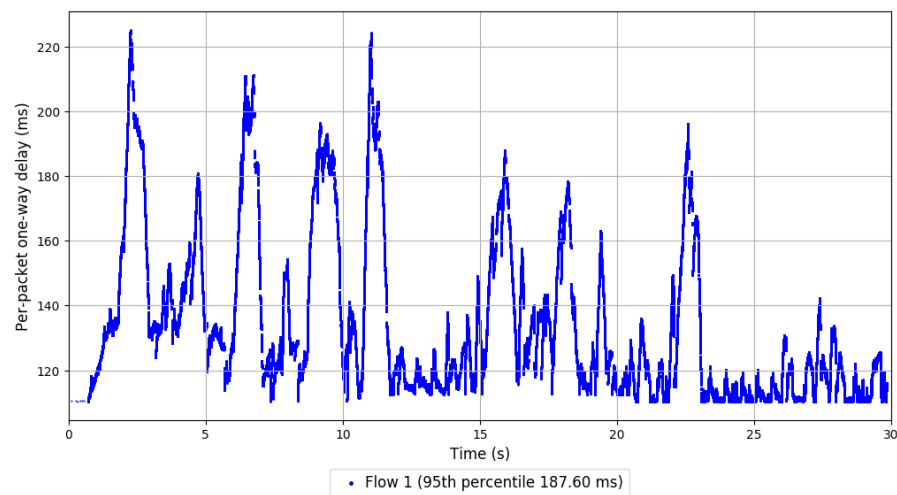
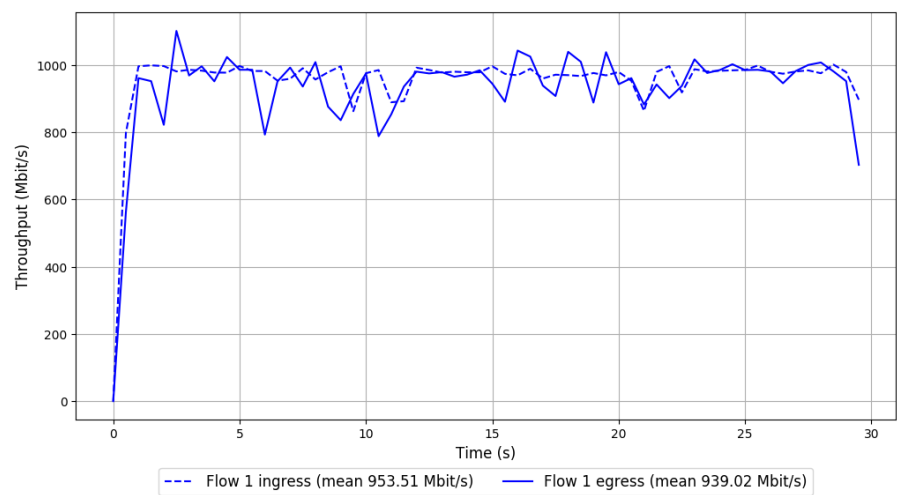
-- Flow 1:

Average throughput: 939.02 Mbit/s

95th percentile per-packet one-way delay: 187.598 ms

Loss rate: 2.26%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-01-16 09:47:48

End at: 2018-01-16 09:48:18

Below is generated by plot.py at 2018-01-16 13:26:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 950.97 Mbit/s

95th percentile per-packet one-way delay: 146.382 ms

Loss rate: 0.88%

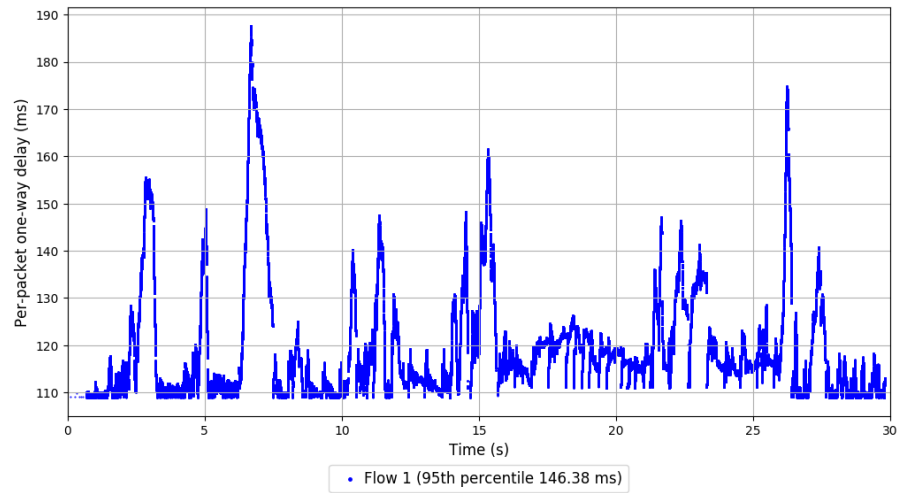
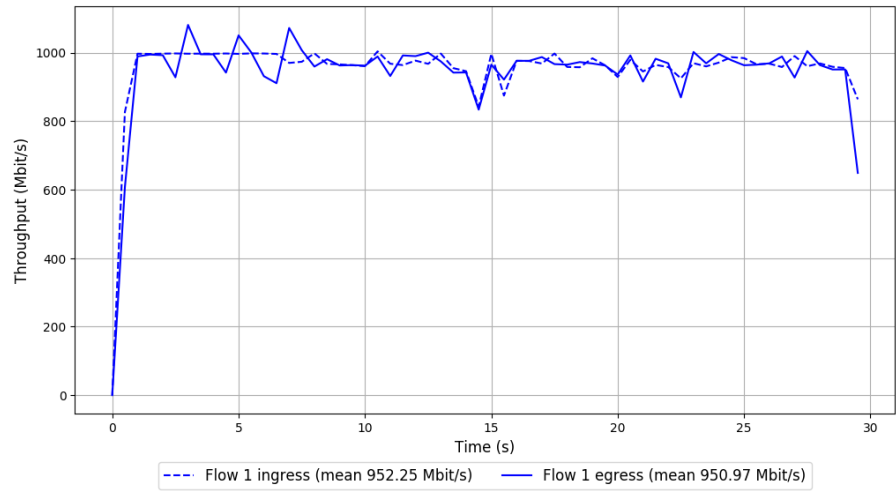
-- Flow 1:

Average throughput: 950.97 Mbit/s

95th percentile per-packet one-way delay: 146.382 ms

Loss rate: 0.88%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-01-16 07:28:13

End at: 2018-01-16 07:28:43

Below is generated by plot.py at 2018-01-16 13:26:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.50 Mbit/s

95th percentile per-packet one-way delay: 113.026 ms

Loss rate: 0.90%

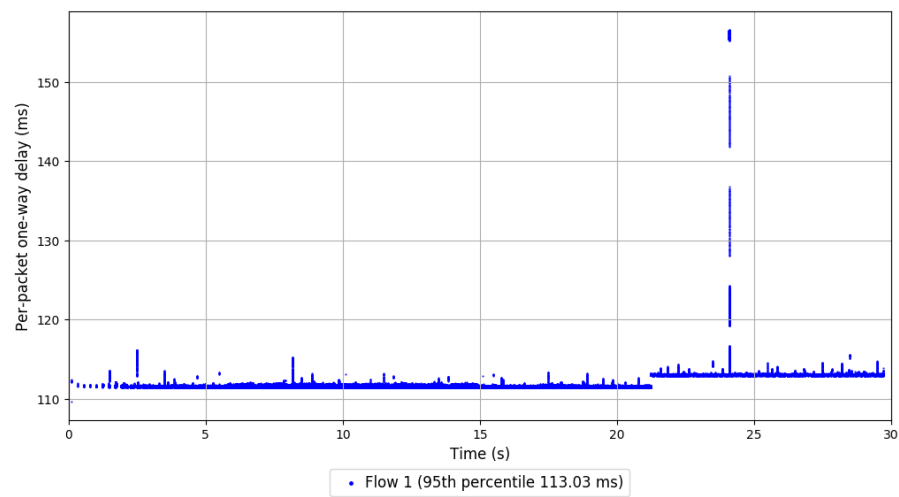
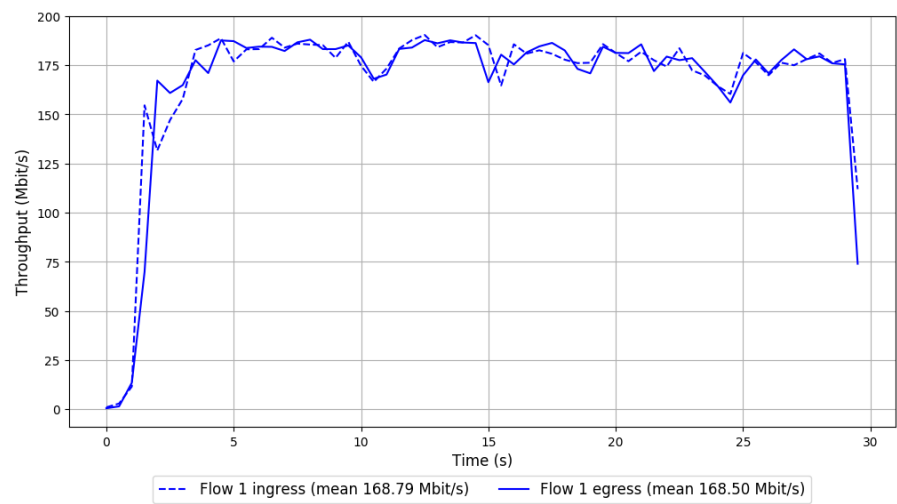
-- Flow 1:

Average throughput: 168.50 Mbit/s

95th percentile per-packet one-way delay: 113.026 ms

Loss rate: 0.90%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-01-16 07:43:05

End at: 2018-01-16 07:43:35

Below is generated by plot.py at 2018-01-16 13:26:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.95 Mbit/s

95th percentile per-packet one-way delay: 113.019 ms

Loss rate: 0.97%

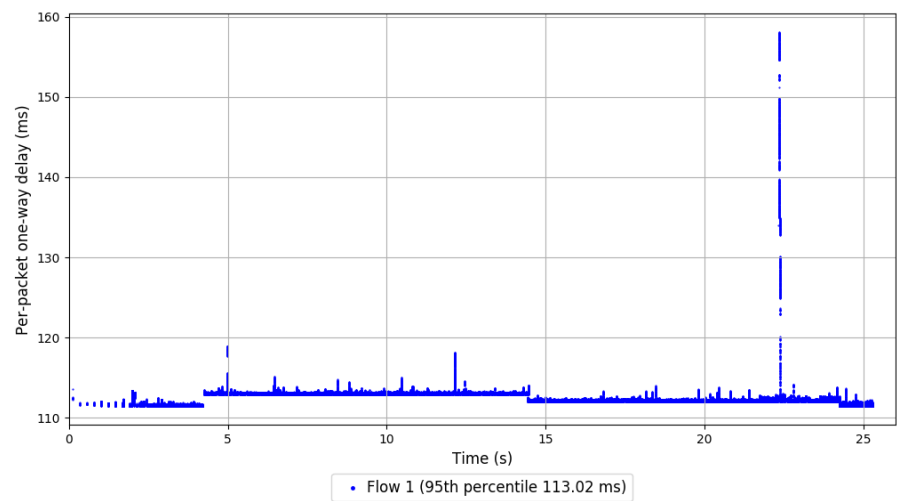
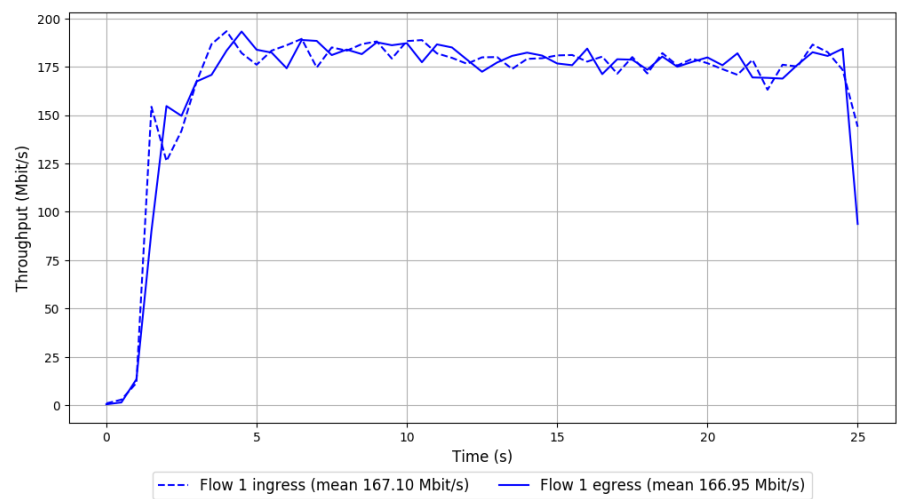
-- Flow 1:

Average throughput: 166.95 Mbit/s

95th percentile per-packet one-way delay: 113.019 ms

Loss rate: 0.97%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-16 07:58:27

End at: 2018-01-16 07:58:57

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.85 Mbit/s

95th percentile per-packet one-way delay: 113.041 ms

Loss rate: 0.79%

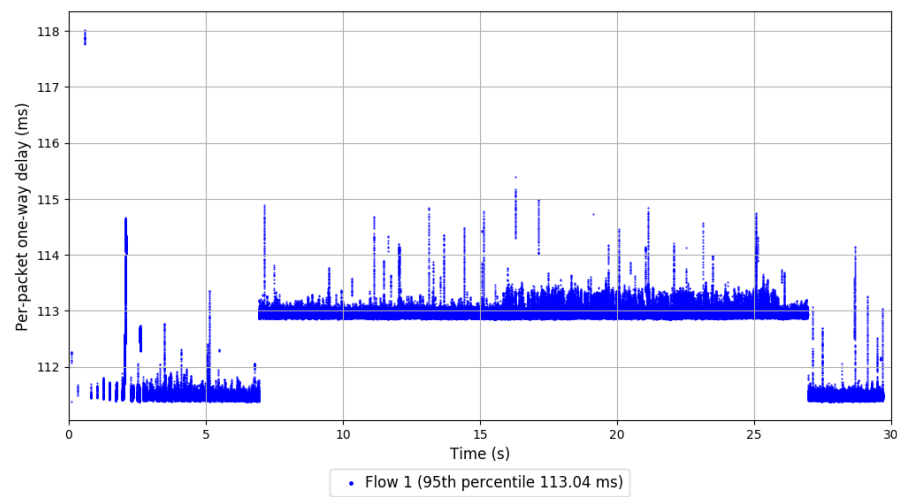
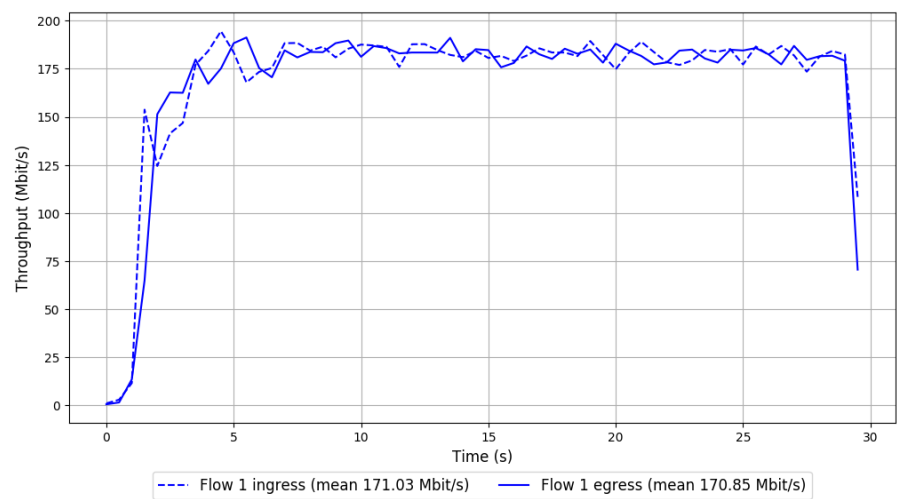
-- Flow 1:

Average throughput: 170.85 Mbit/s

95th percentile per-packet one-way delay: 113.041 ms

Loss rate: 0.79%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-16 08:13:14

End at: 2018-01-16 08:13:44

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.02 Mbit/s

95th percentile per-packet one-way delay: 111.493 ms

Loss rate: 0.77%

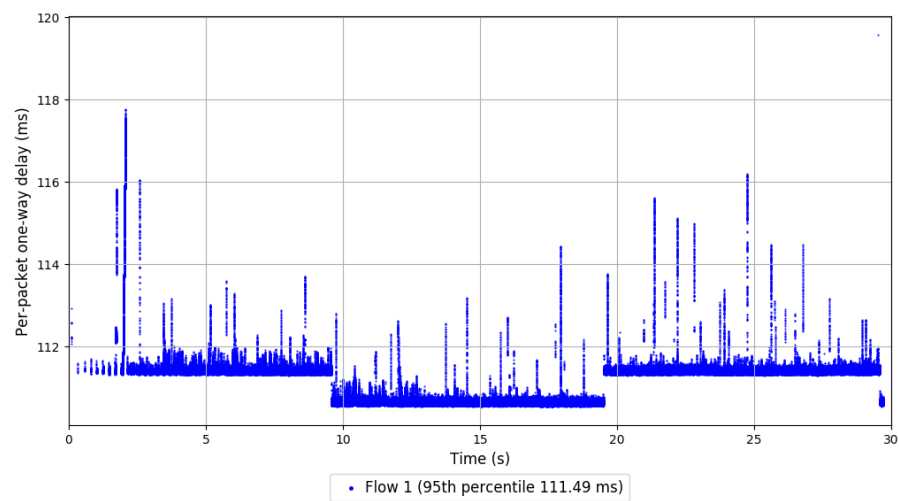
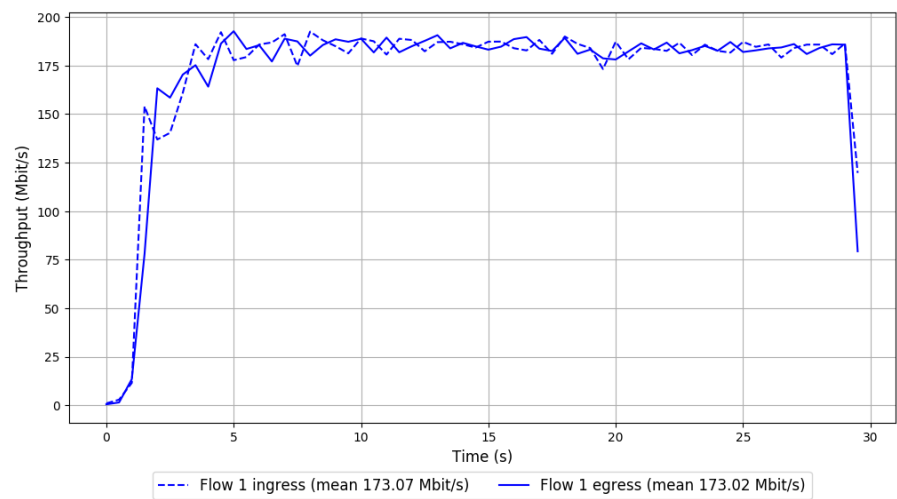
-- Flow 1:

Average throughput: 173.02 Mbit/s

95th percentile per-packet one-way delay: 111.493 ms

Loss rate: 0.77%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-16 08:28:38

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

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.57 Mbit/s

95th percentile per-packet one-way delay: 113.032 ms

Loss rate: 0.82%

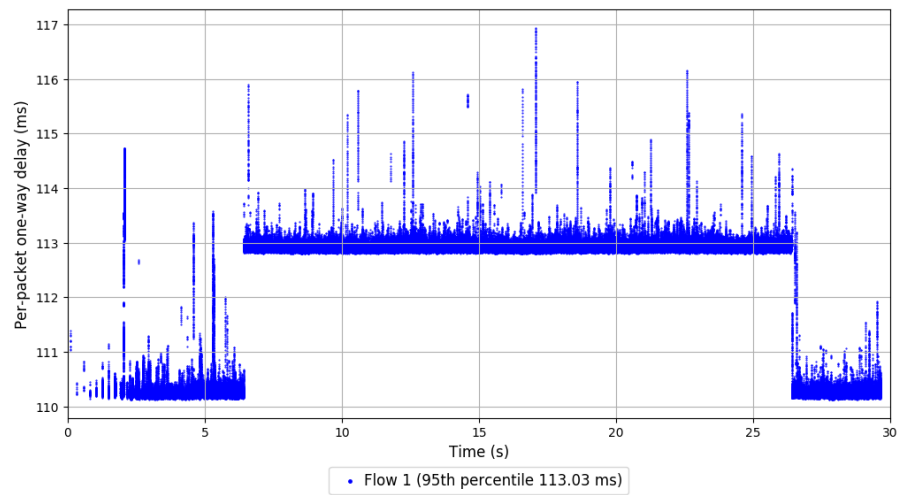
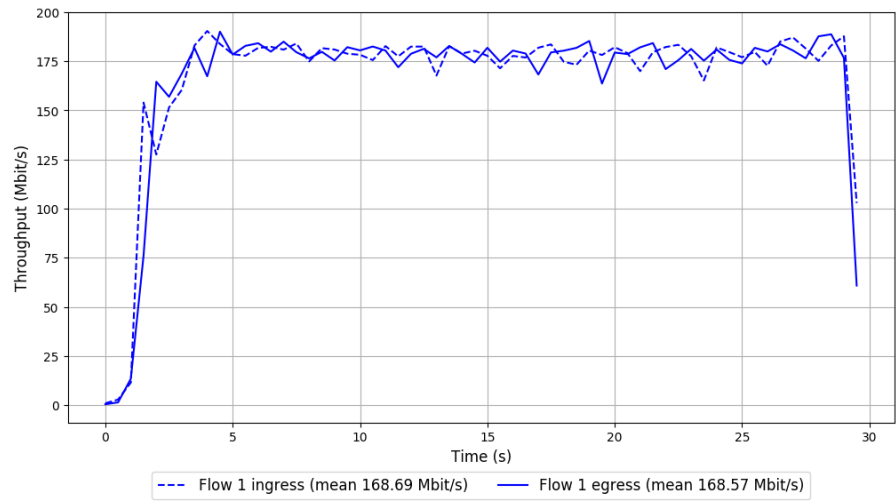
-- Flow 1:

Average throughput: 168.57 Mbit/s

95th percentile per-packet one-way delay: 113.032 ms

Loss rate: 0.82%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-16 08:43:40

End at: 2018-01-16 08:44:10

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.47 Mbit/s

95th percentile per-packet one-way delay: 110.422 ms

Loss rate: 0.79%

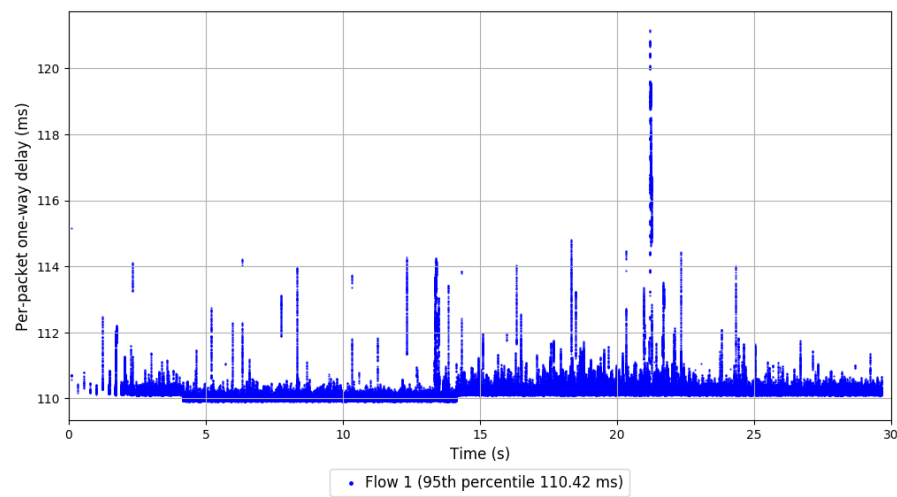
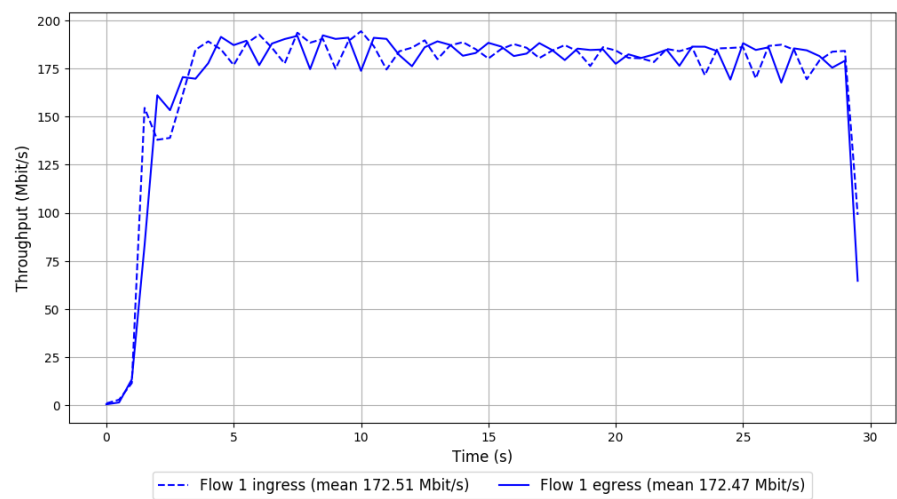
-- Flow 1:

Average throughput: 172.47 Mbit/s

95th percentile per-packet one-way delay: 110.422 ms

Loss rate: 0.79%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-16 08:58:15

End at: 2018-01-16 08:58:45

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.96 Mbit/s

95th percentile per-packet one-way delay: 112.084 ms

Loss rate: 1.48%

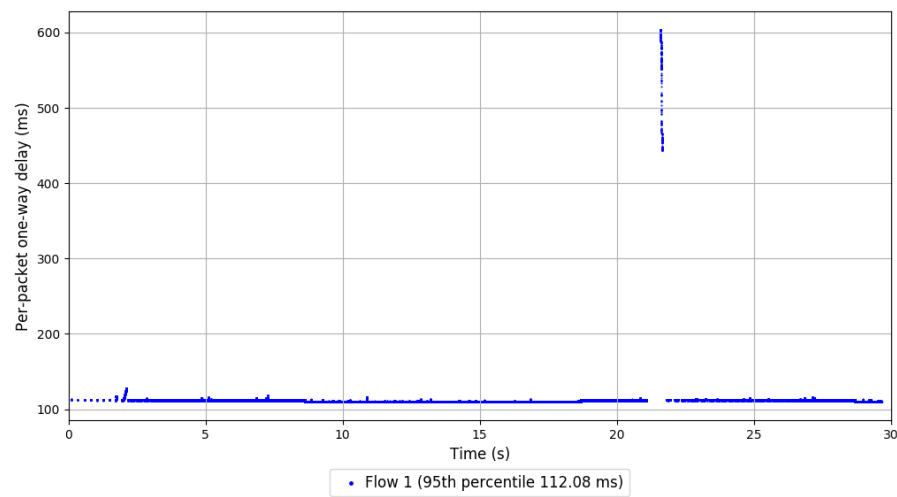
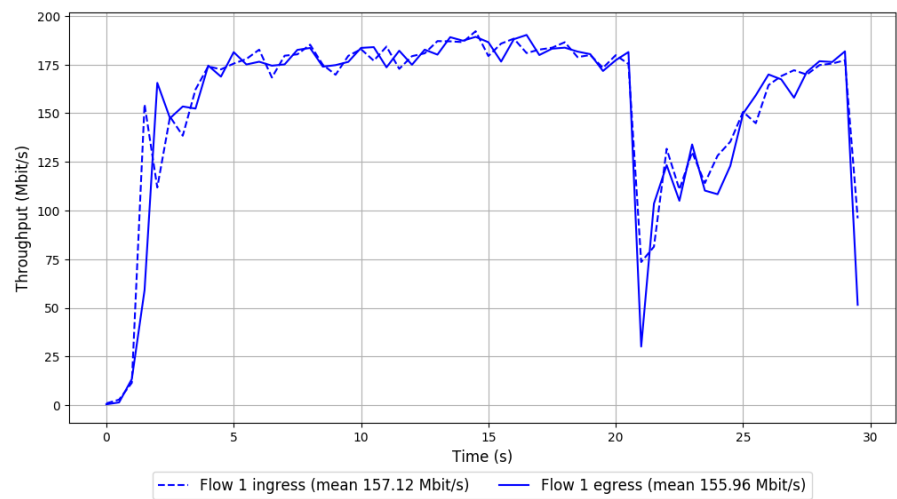
-- Flow 1:

Average throughput: 155.96 Mbit/s

95th percentile per-packet one-way delay: 112.084 ms

Loss rate: 1.48%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-16 09:13:40

End at: 2018-01-16 09:14:10

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.55 Mbit/s

95th percentile per-packet one-way delay: 111.888 ms

Loss rate: 0.79%

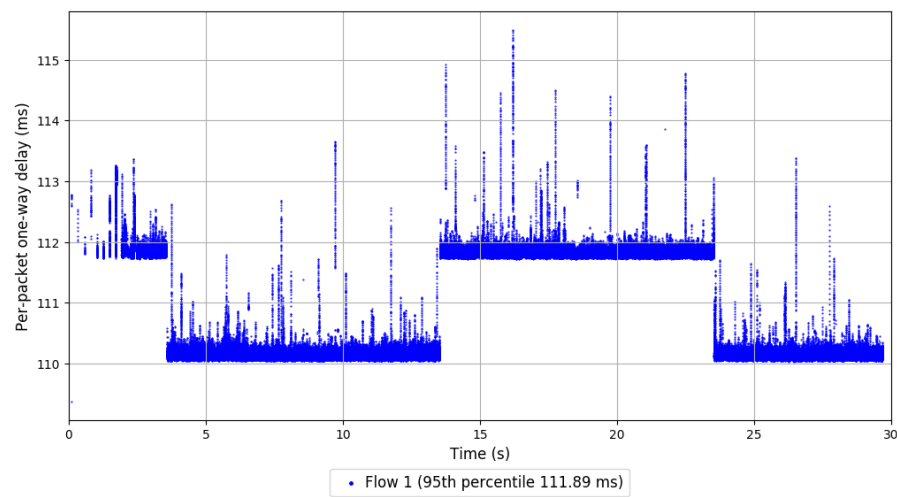
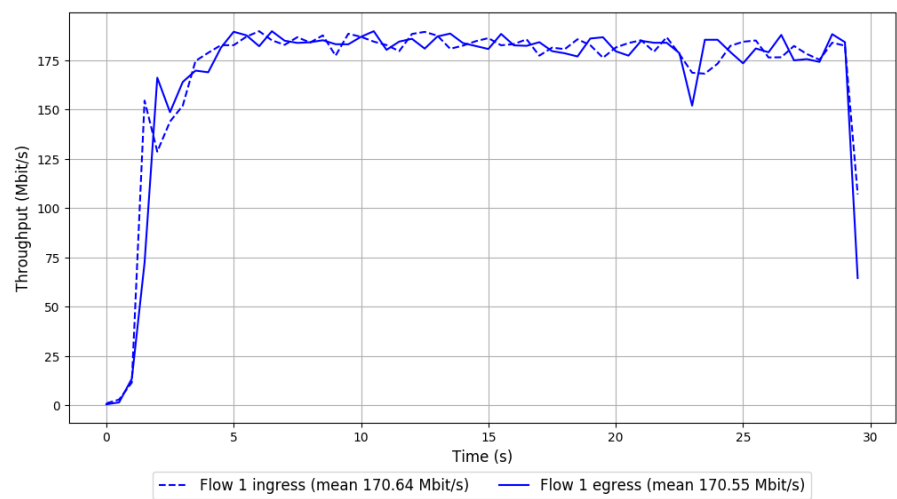
-- Flow 1:

Average throughput: 170.55 Mbit/s

95th percentile per-packet one-way delay: 111.888 ms

Loss rate: 0.79%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-01-16 09:28:44

End at: 2018-01-16 09:29:14

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.91 Mbit/s

95th percentile per-packet one-way delay: 111.797 ms

Loss rate: 0.79%

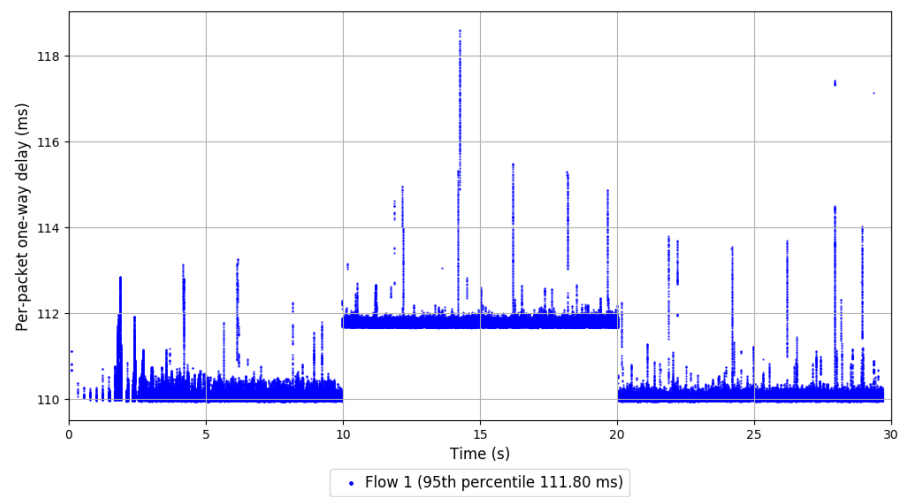
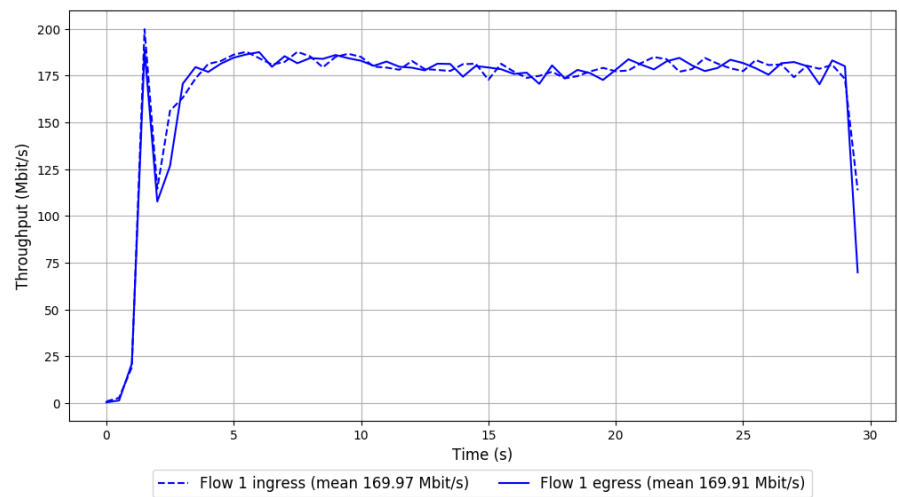
-- Flow 1:

Average throughput: 169.91 Mbit/s

95th percentile per-packet one-way delay: 111.797 ms

Loss rate: 0.79%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-16 09:43:42

End at: 2018-01-16 09:44:12

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.68 Mbit/s

95th percentile per-packet one-way delay: 110.089 ms

Loss rate: 0.80%

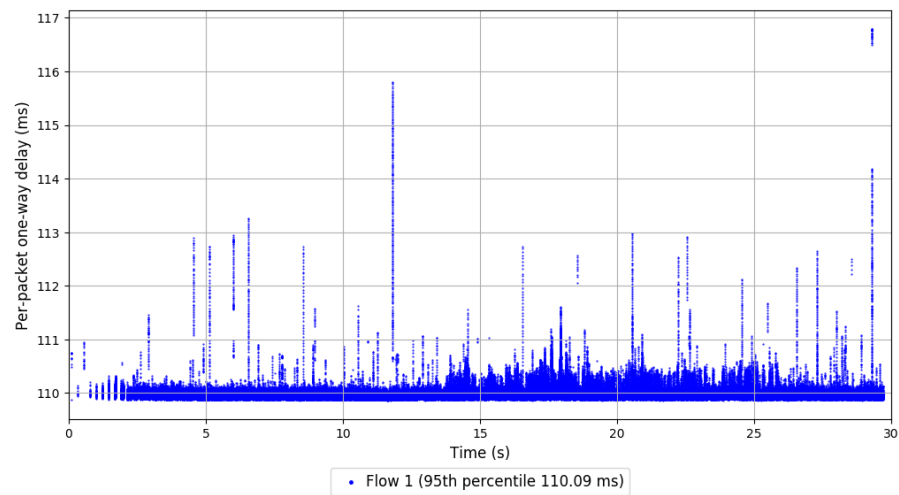
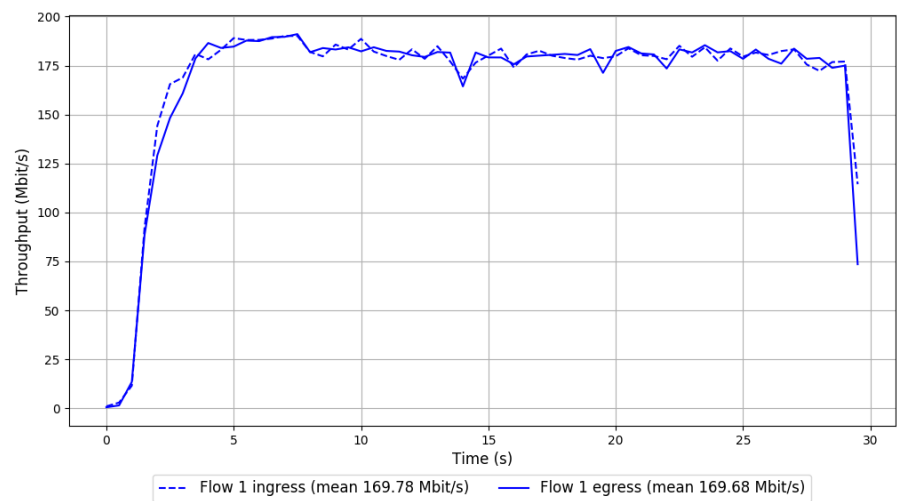
-- Flow 1:

Average throughput: 169.68 Mbit/s

95th percentile per-packet one-way delay: 110.089 ms

Loss rate: 0.80%

Run 10: Report of Indigo — Data Link

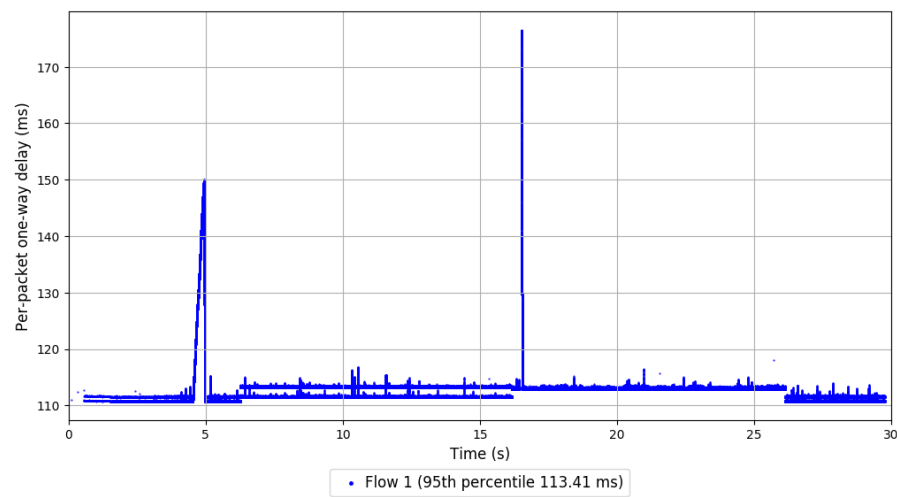
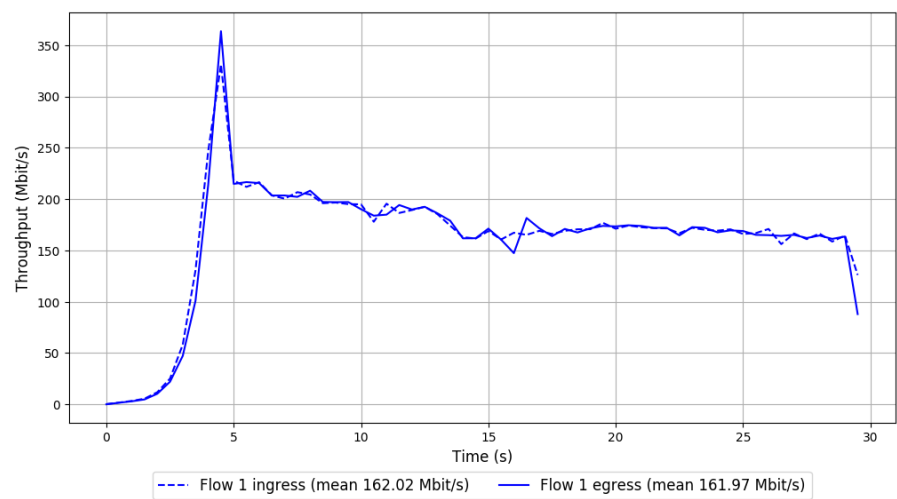


```
Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 07:34:18
End at: 2018-01-16 07:34:48

# Below is generated by plot.py at 2018-01-16 13:26:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.97 Mbit/s
95th percentile per-packet one-way delay: 113.410 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 161.97 Mbit/s
95th percentile per-packet one-way delay: 113.410 ms
Loss rate: 0.77%
```


Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 07:49:13

End at: 2018-01-16 07:49:43

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.01 Mbit/s

95th percentile per-packet one-way delay: 113.328 ms

Loss rate: 1.15%

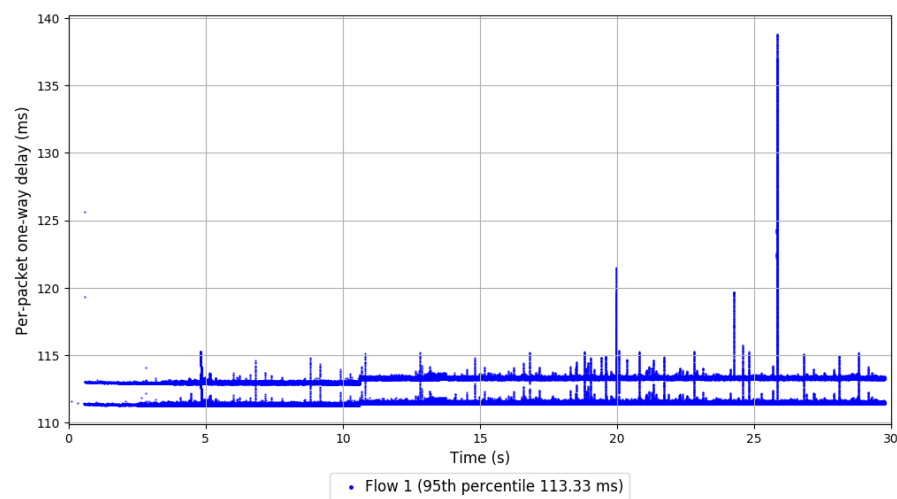
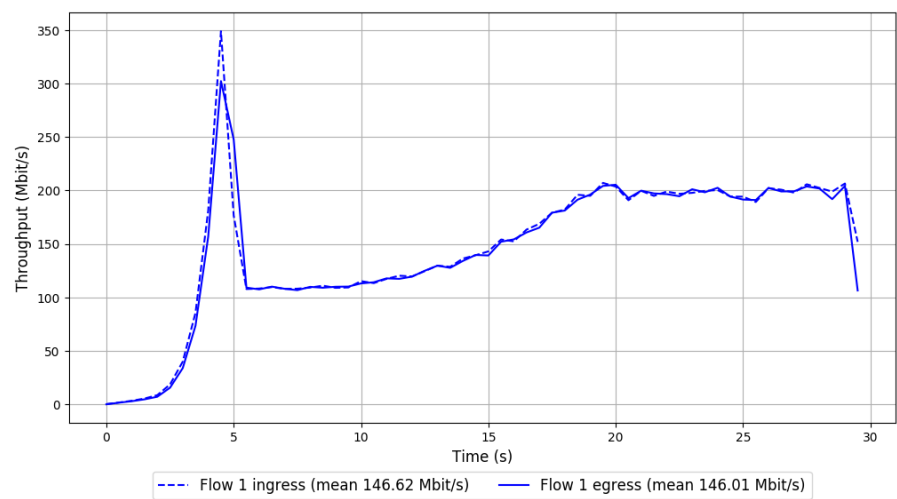
-- Flow 1:

Average throughput: 146.01 Mbit/s

95th percentile per-packet one-way delay: 113.328 ms

Loss rate: 1.15%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-16 08:04:33

End at: 2018-01-16 08:05:03

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.87 Mbit/s

95th percentile per-packet one-way delay: 112.968 ms

Loss rate: 1.01%

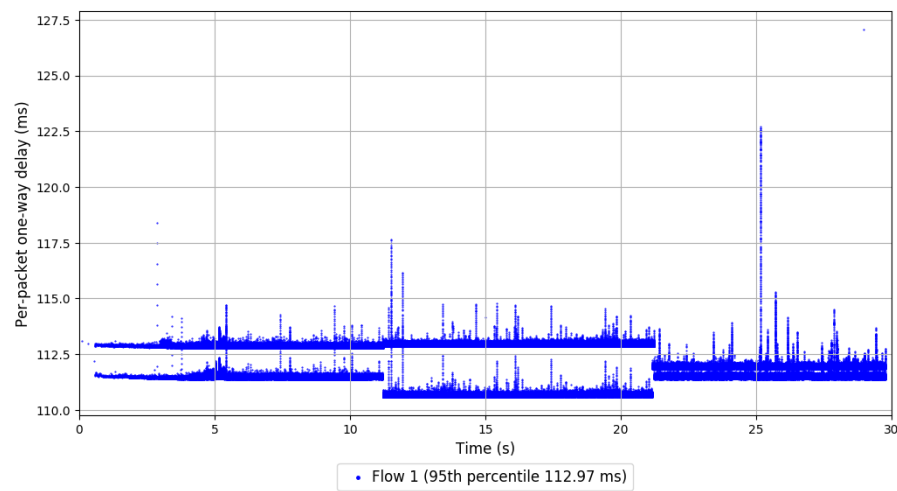
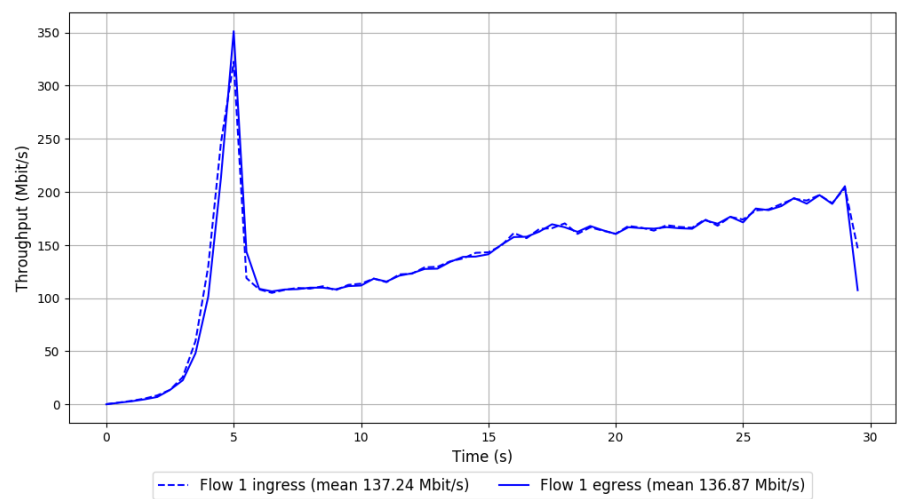
-- Flow 1:

Average throughput: 136.87 Mbit/s

95th percentile per-packet one-way delay: 112.968 ms

Loss rate: 1.01%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

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

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

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.16 Mbit/s

95th percentile per-packet one-way delay: 114.626 ms

Loss rate: 1.13%

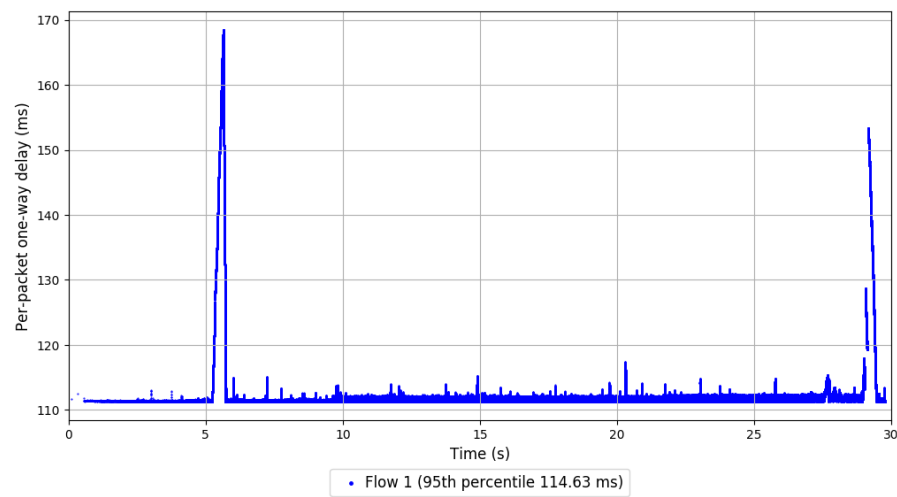
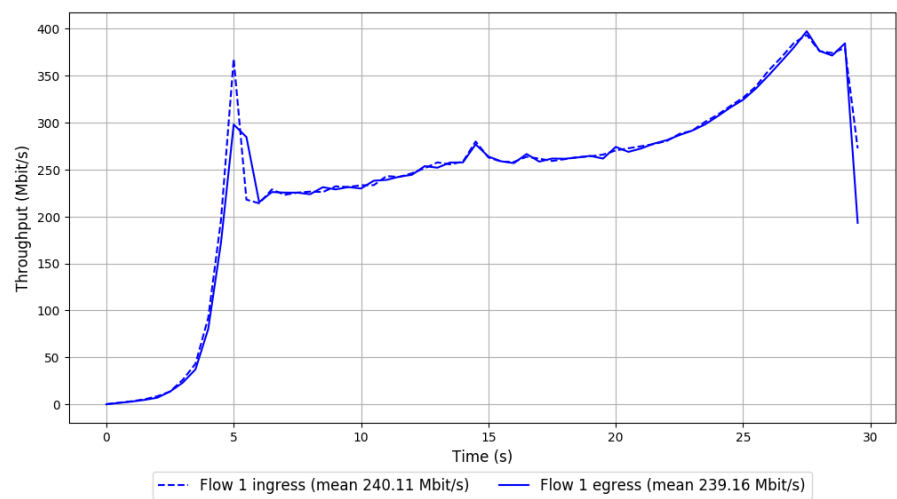
-- Flow 1:

Average throughput: 239.16 Mbit/s

95th percentile per-packet one-way delay: 114.626 ms

Loss rate: 1.13%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-16 08:34:46

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

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.95 Mbit/s

95th percentile per-packet one-way delay: 111.938 ms

Loss rate: 0.68%

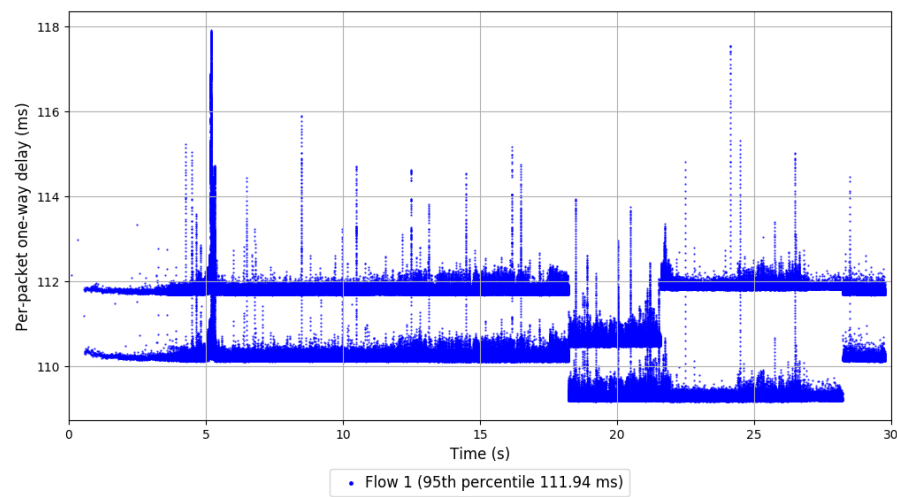
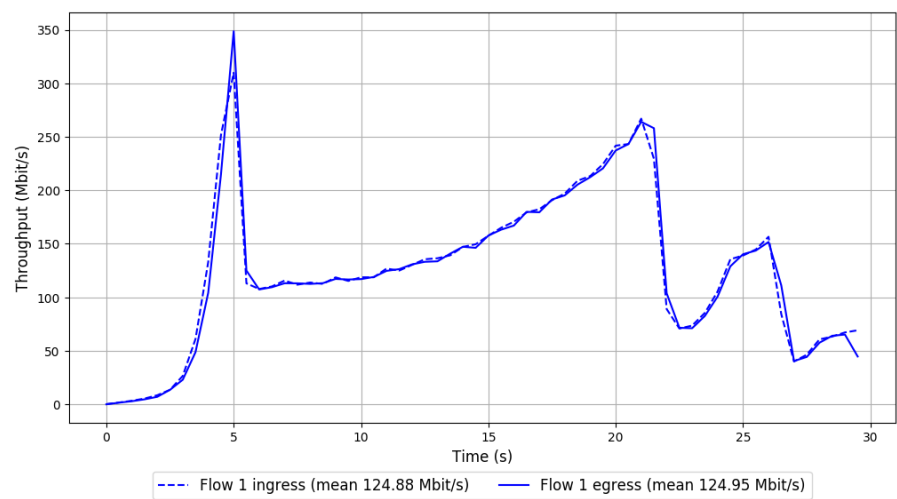
-- Flow 1:

Average throughput: 124.95 Mbit/s

95th percentile per-packet one-way delay: 111.938 ms

Loss rate: 0.68%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-16 08:49:18

End at: 2018-01-16 08:49:48

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.09 Mbit/s

95th percentile per-packet one-way delay: 114.725 ms

Loss rate: 1.42%

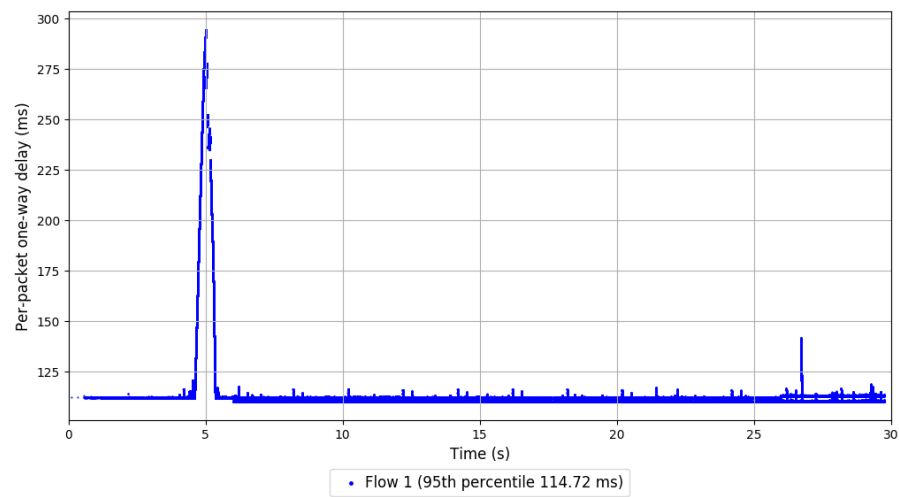
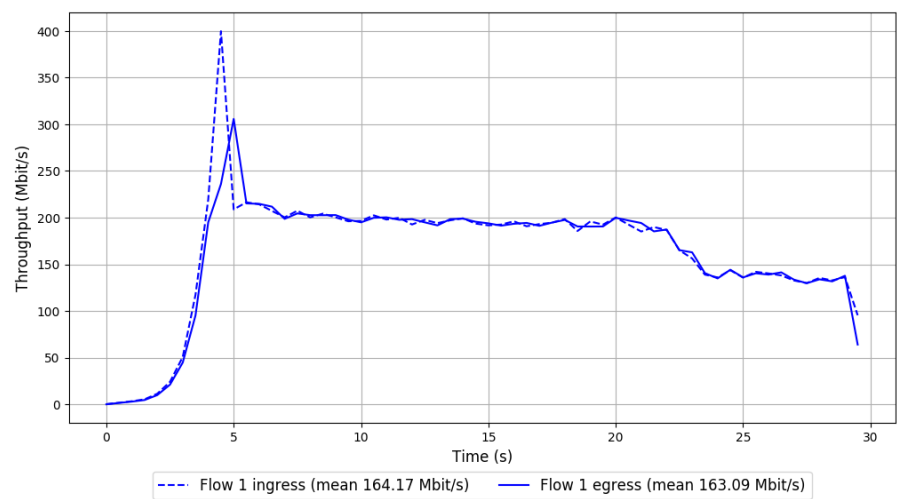
-- Flow 1:

Average throughput: 163.09 Mbit/s

95th percentile per-packet one-way delay: 114.725 ms

Loss rate: 1.42%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-01-16 09:04:25

End at: 2018-01-16 09:04:55

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.45 Mbit/s

95th percentile per-packet one-way delay: 111.893 ms

Loss rate: 0.99%

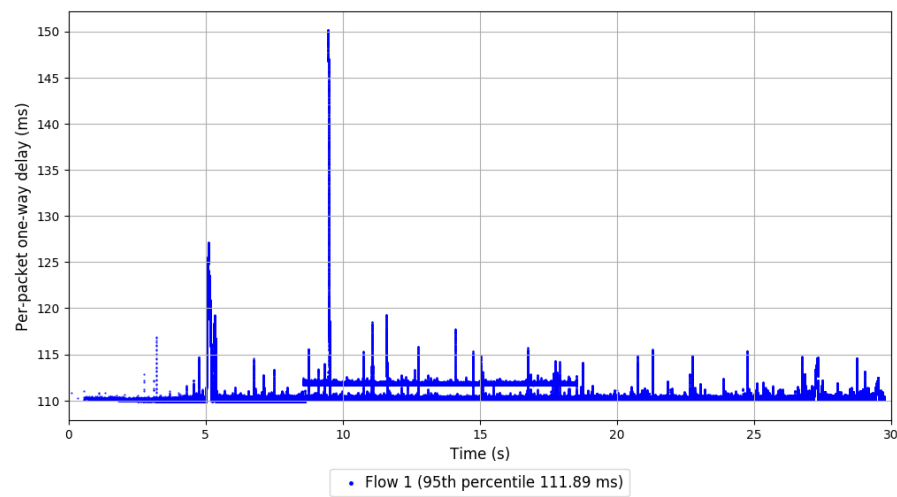
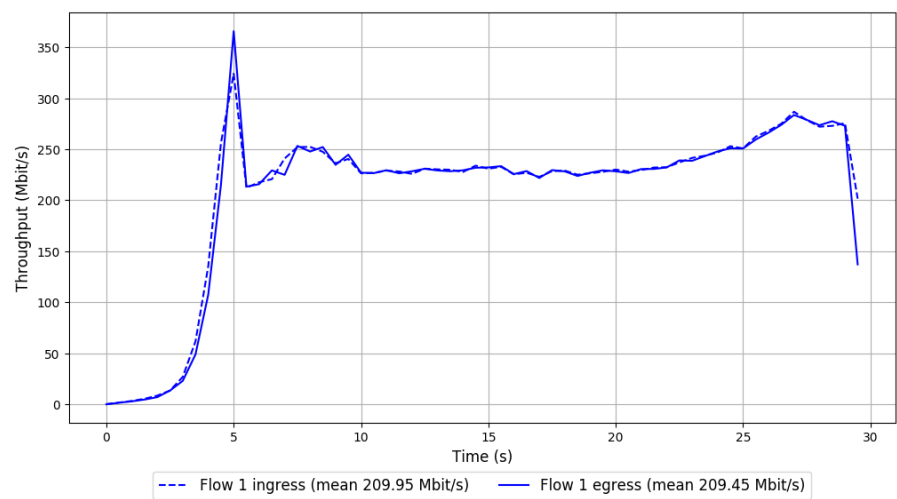
-- Flow 1:

Average throughput: 209.45 Mbit/s

95th percentile per-packet one-way delay: 111.893 ms

Loss rate: 0.99%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-16 09:19:51

End at: 2018-01-16 09:20:21

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.91 Mbit/s

95th percentile per-packet one-way delay: 112.169 ms

Loss rate: 0.43%

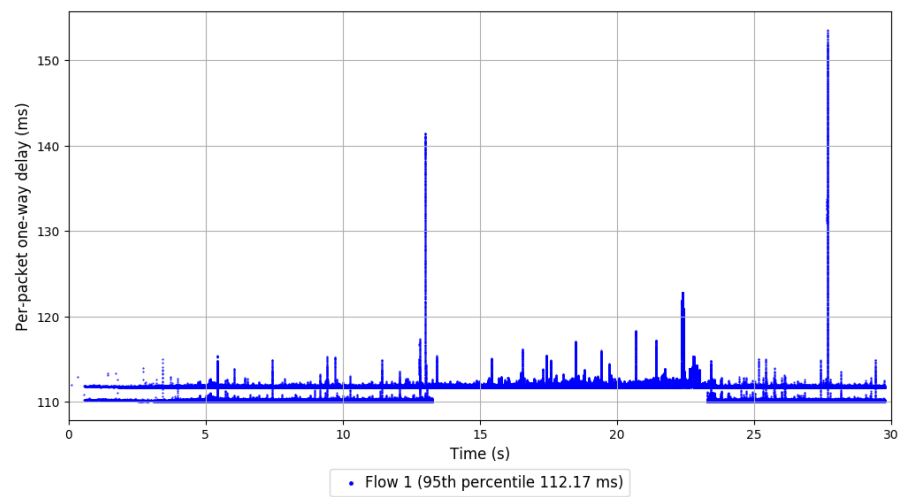
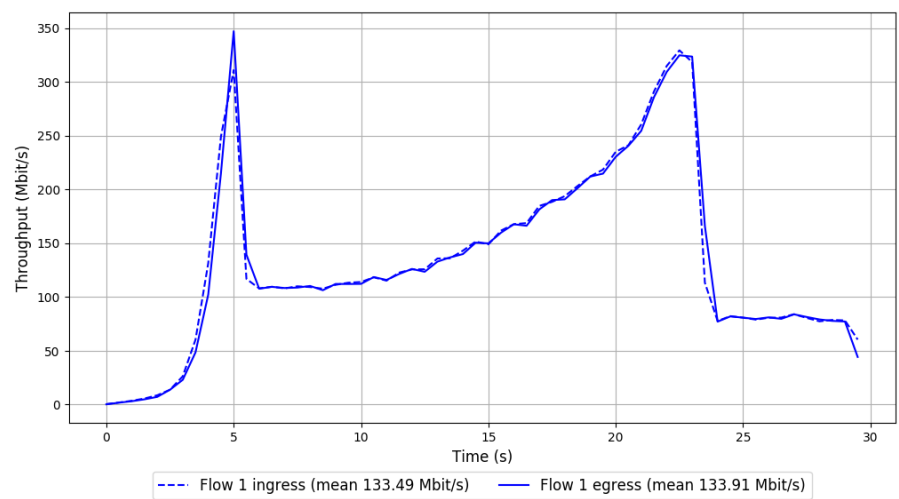
-- Flow 1:

Average throughput: 133.91 Mbit/s

95th percentile per-packet one-way delay: 112.169 ms

Loss rate: 0.43%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-16 09:34:56

End at: 2018-01-16 09:35:26

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.79 Mbit/s

95th percentile per-packet one-way delay: 112.561 ms

Loss rate: 0.90%

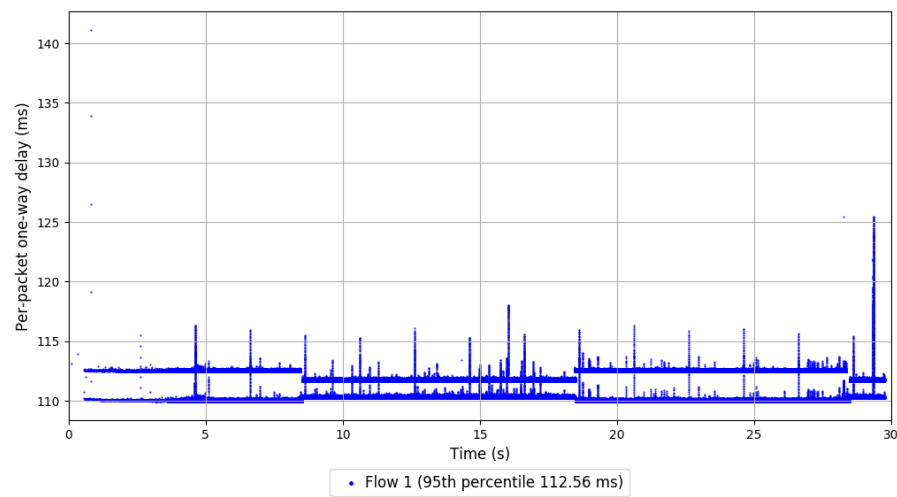
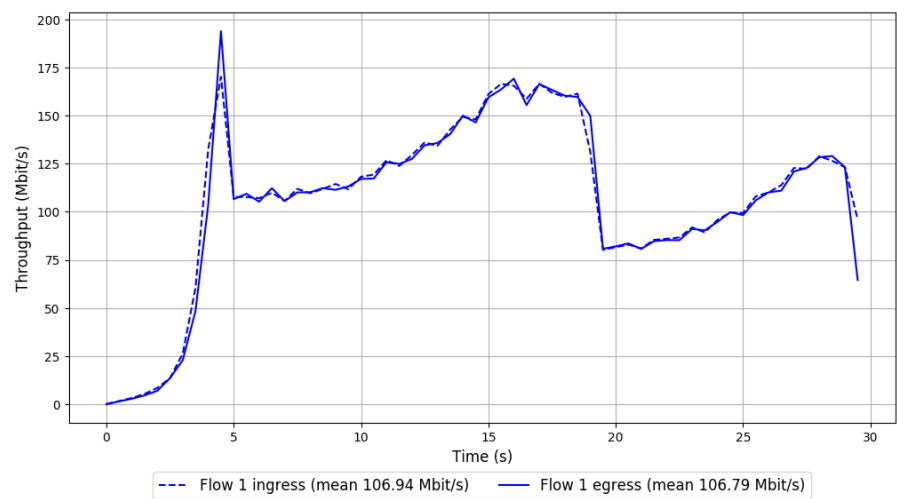
-- Flow 1:

Average throughput: 106.79 Mbit/s

95th percentile per-packet one-way delay: 112.561 ms

Loss rate: 0.90%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-16 09:49:49

End at: 2018-01-16 09:50:19

Below is generated by plot.py at 2018-01-16 13:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.24 Mbit/s

95th percentile per-packet one-way delay: 112.643 ms

Loss rate: 0.60%

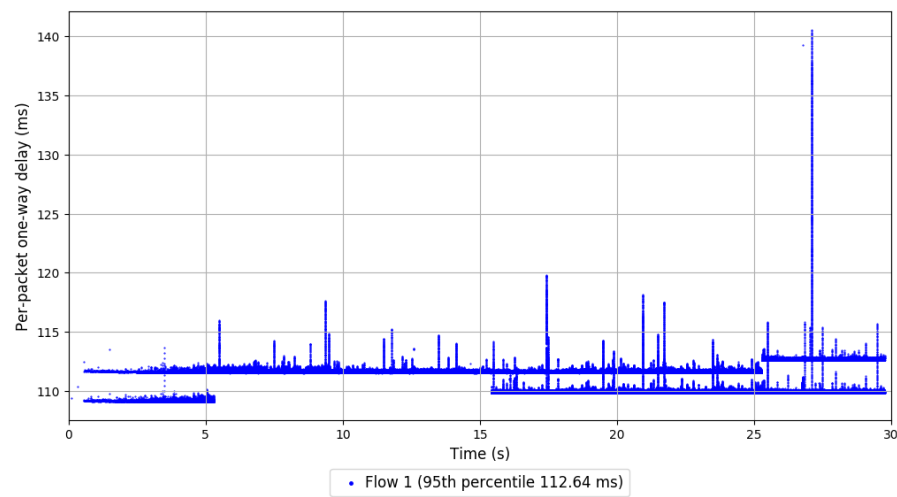
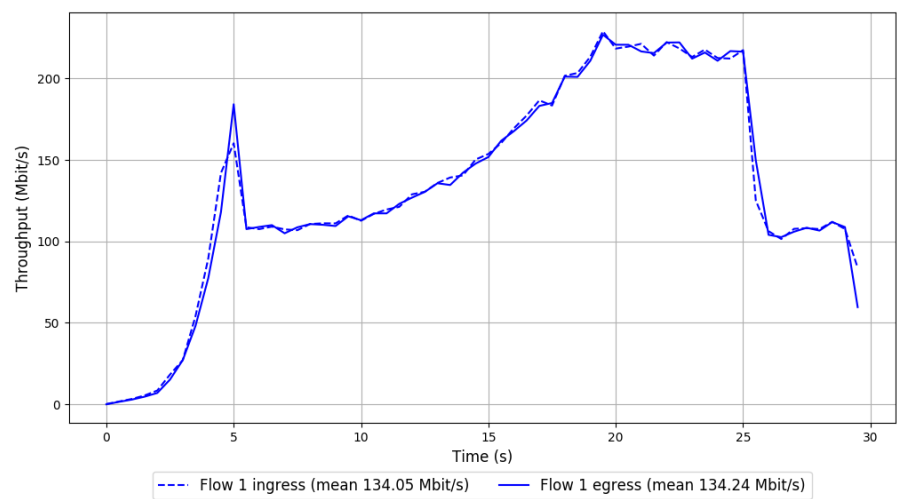
-- Flow 1:

Average throughput: 134.24 Mbit/s

95th percentile per-packet one-way delay: 112.643 ms

Loss rate: 0.60%

Run 10: Report of Vivace-latency — Data Link

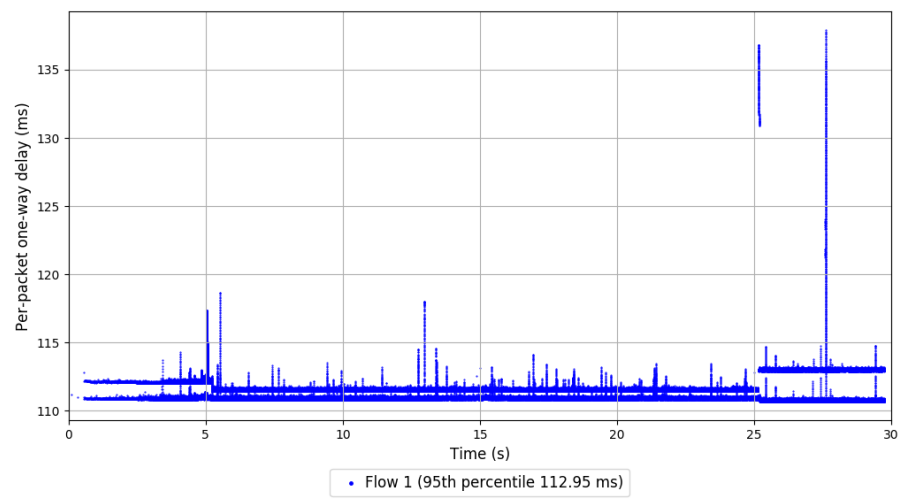
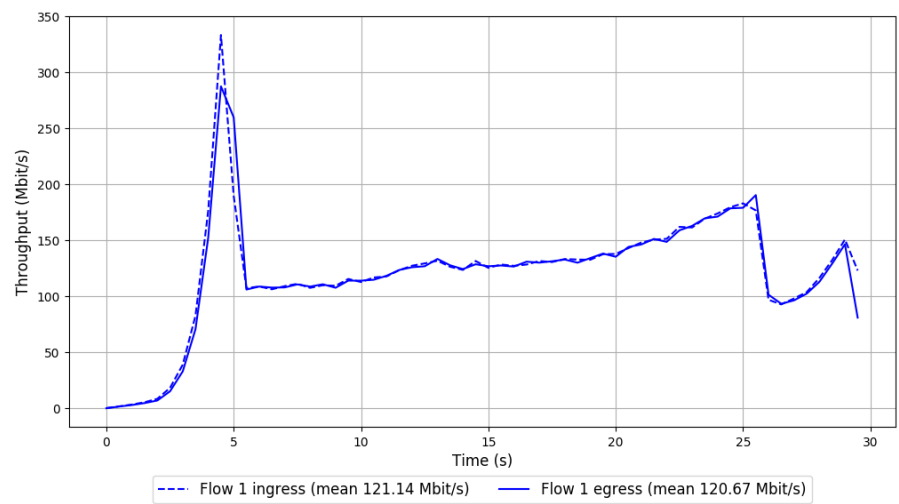


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 07:35:59
End at: 2018-01-16 07:36:29

# Below is generated by plot.py at 2018-01-16 13:26:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 112.951 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 112.951 ms
Loss rate: 1.12%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 07:51:07

End at: 2018-01-16 07:51:37

Below is generated by plot.py at 2018-01-16 13:27:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.46 Mbit/s

95th percentile per-packet one-way delay: 113.339 ms

Loss rate: 1.06%

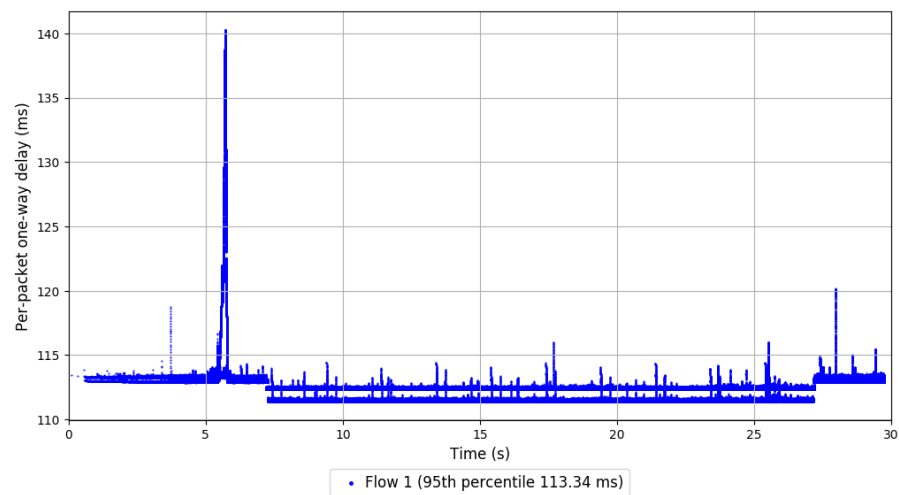
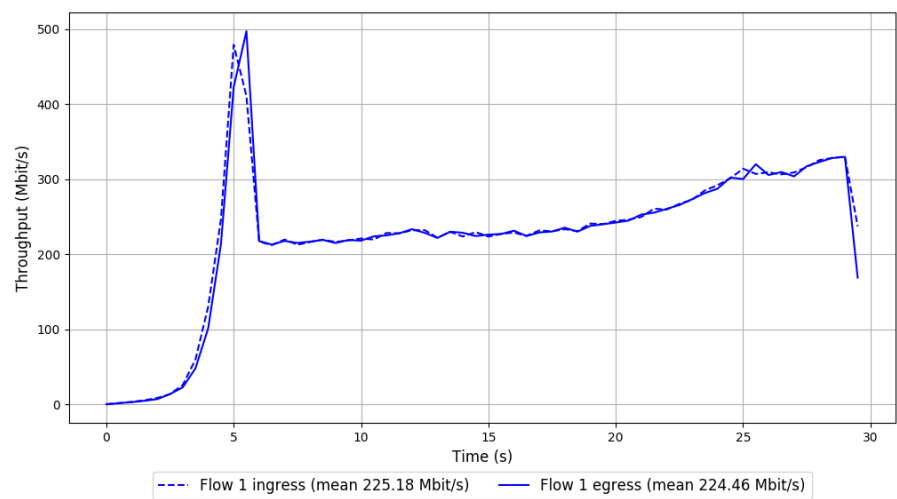
-- Flow 1:

Average throughput: 224.46 Mbit/s

95th percentile per-packet one-way delay: 113.339 ms

Loss rate: 1.06%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 08:06:10

End at: 2018-01-16 08:06:40

Below is generated by plot.py at 2018-01-16 13:27:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.02 Mbit/s

95th percentile per-packet one-way delay: 112.924 ms

Loss rate: 0.88%

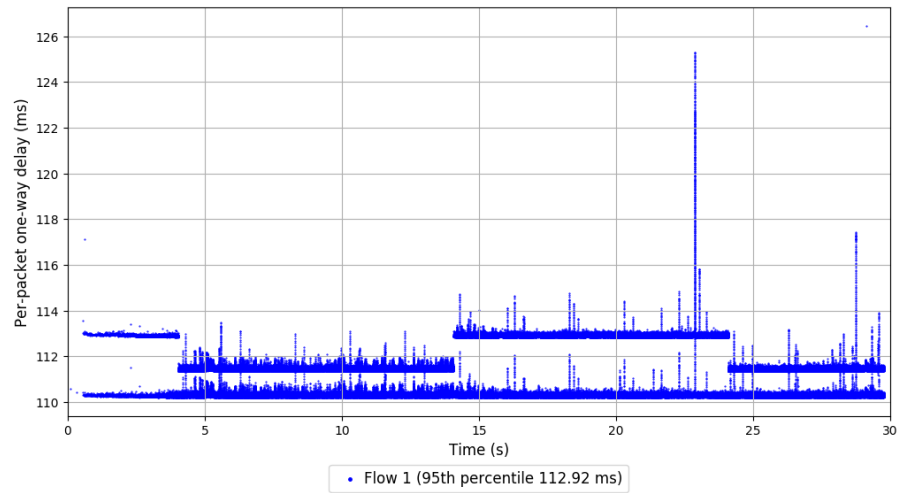
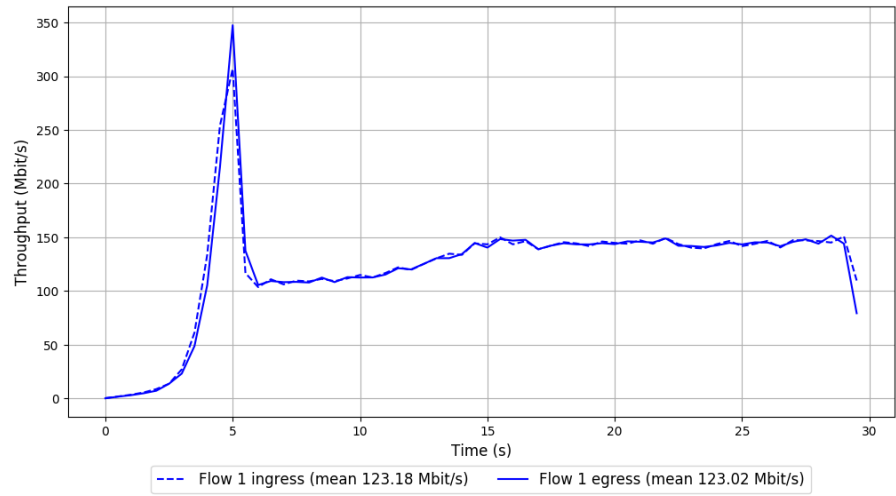
-- Flow 1:

Average throughput: 123.02 Mbit/s

95th percentile per-packet one-way delay: 112.924 ms

Loss rate: 0.88%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-16 08:21:28

End at: 2018-01-16 08:21:58

Below is generated by plot.py at 2018-01-16 13:27:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.98 Mbit/s

95th percentile per-packet one-way delay: 112.866 ms

Loss rate: 0.81%

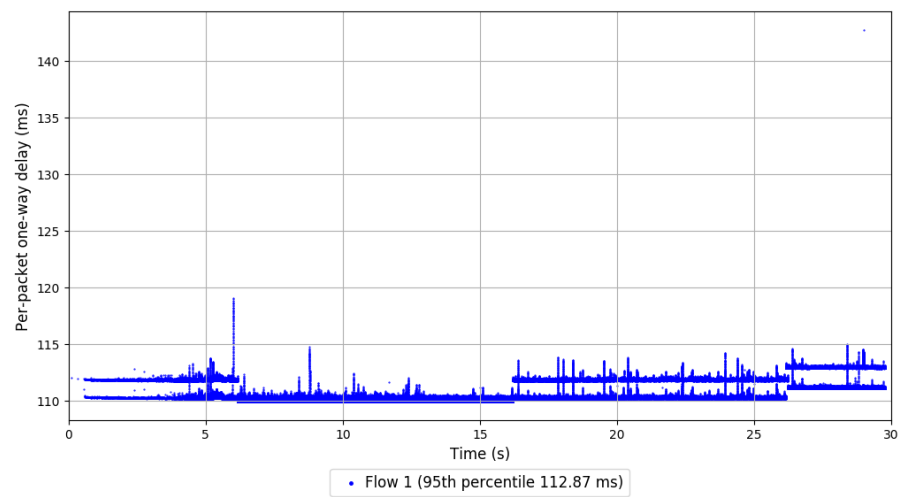
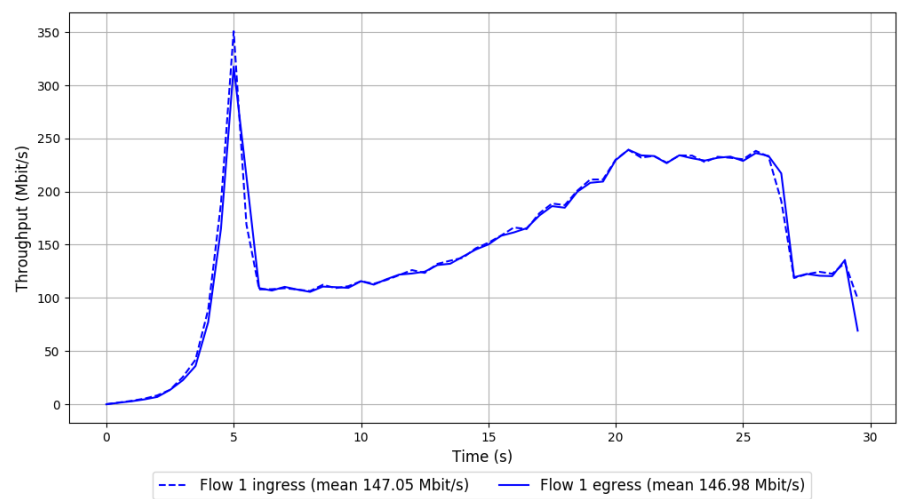
-- Flow 1:

Average throughput: 146.98 Mbit/s

95th percentile per-packet one-way delay: 112.866 ms

Loss rate: 0.81%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-16 08:36:40

End at: 2018-01-16 08:37:10

Below is generated by plot.py at 2018-01-16 13:27:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.18 Mbit/s

95th percentile per-packet one-way delay: 115.040 ms

Loss rate: 0.90%

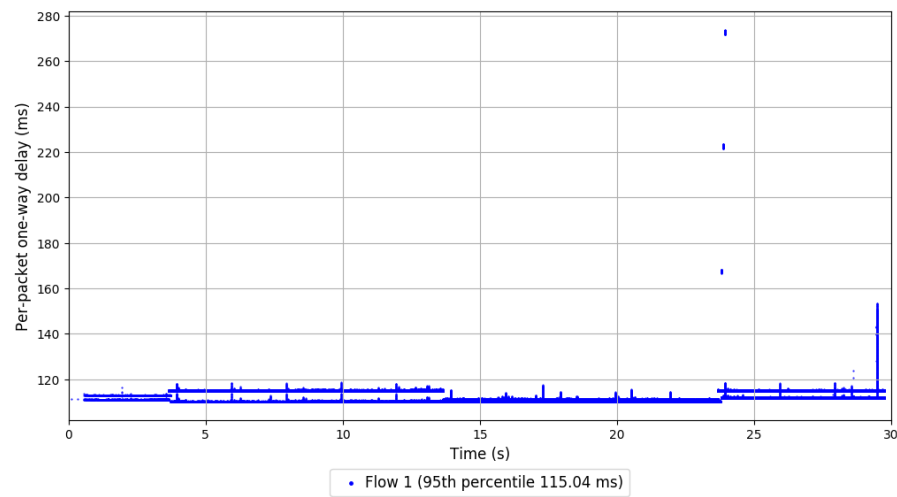
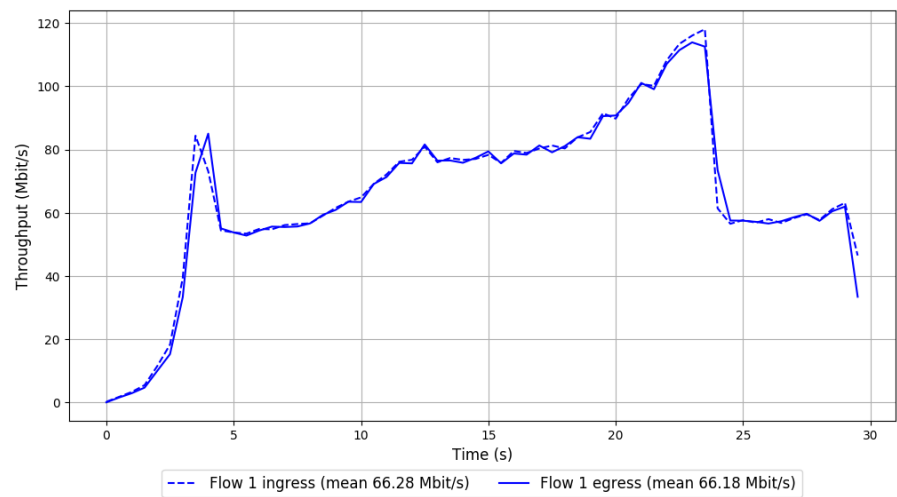
-- Flow 1:

Average throughput: 66.18 Mbit/s

95th percentile per-packet one-way delay: 115.040 ms

Loss rate: 0.90%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

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

End at: 2018-01-16 08:51:31

Below is generated by plot.py at 2018-01-16 13:27:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.16 Mbit/s

95th percentile per-packet one-way delay: 121.412 ms

Loss rate: 0.93%

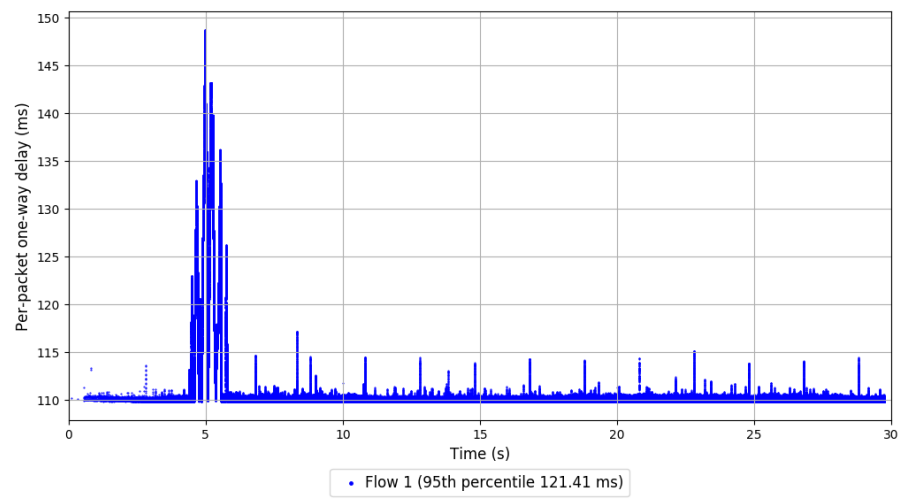
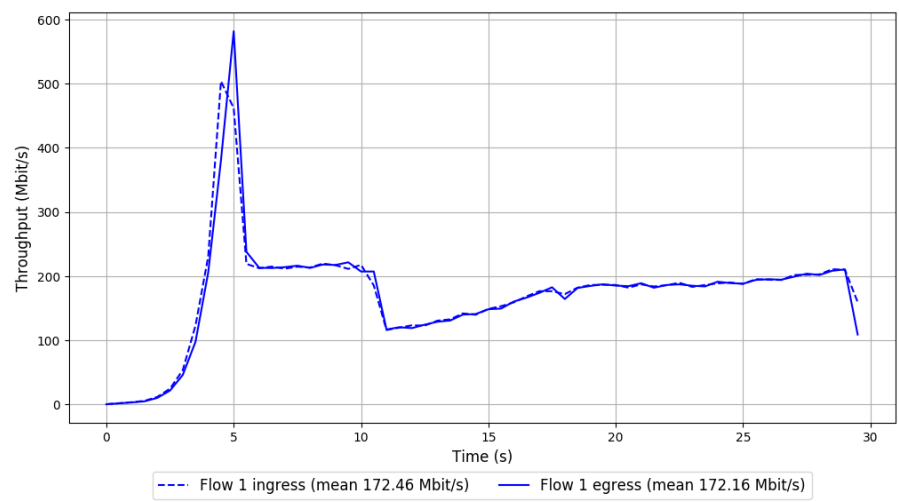
-- Flow 1:

Average throughput: 172.16 Mbit/s

95th percentile per-packet one-way delay: 121.412 ms

Loss rate: 0.93%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-16 09:06:31

End at: 2018-01-16 09:07:01

Below is generated by plot.py at 2018-01-16 13:28:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.26 Mbit/s

95th percentile per-packet one-way delay: 160.357 ms

Loss rate: 1.62%

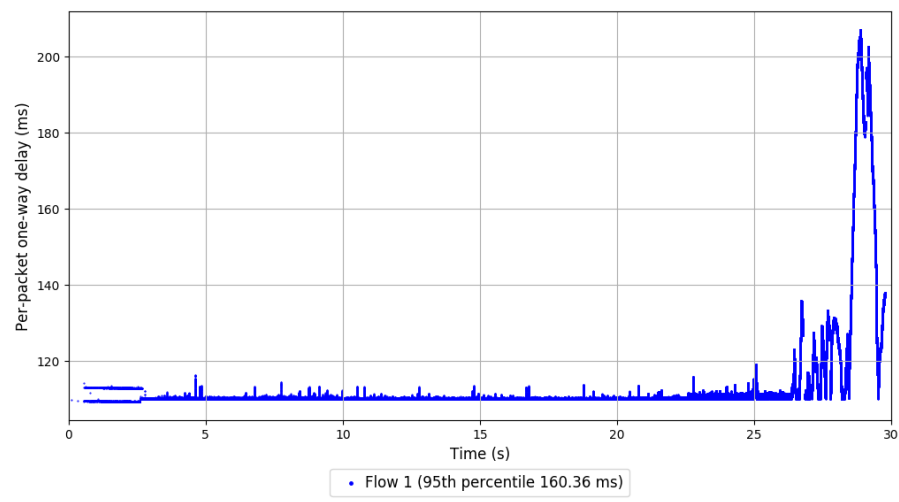
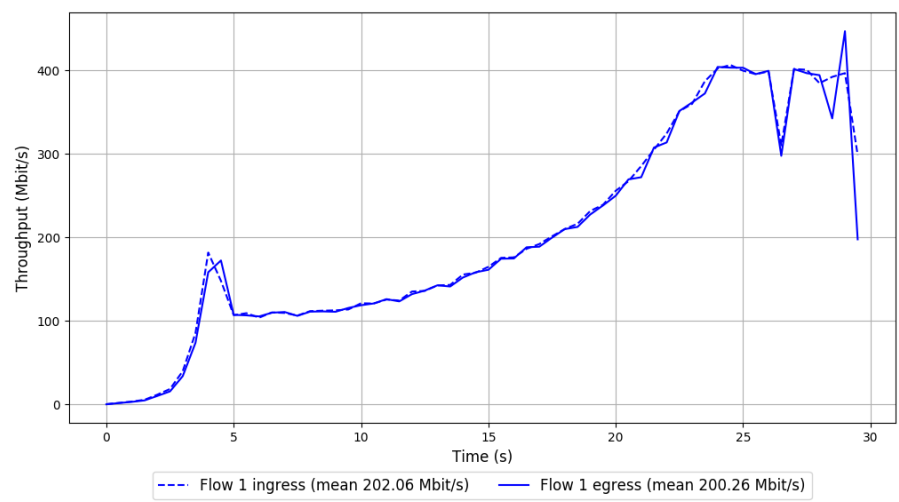
-- Flow 1:

Average throughput: 200.26 Mbit/s

95th percentile per-packet one-way delay: 160.357 ms

Loss rate: 1.62%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-16 09:21:39

End at: 2018-01-16 09:22:09

Below is generated by plot.py at 2018-01-16 13:28:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.27 Mbit/s

95th percentile per-packet one-way delay: 112.811 ms

Loss rate: 0.89%

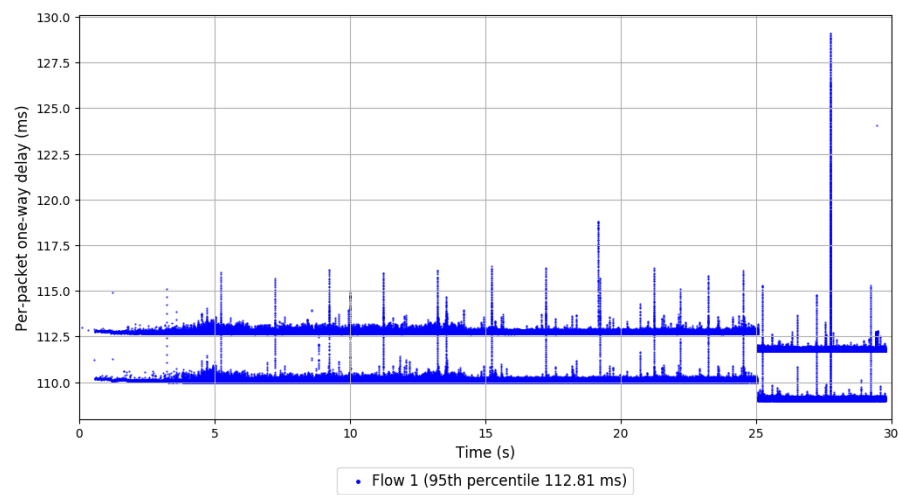
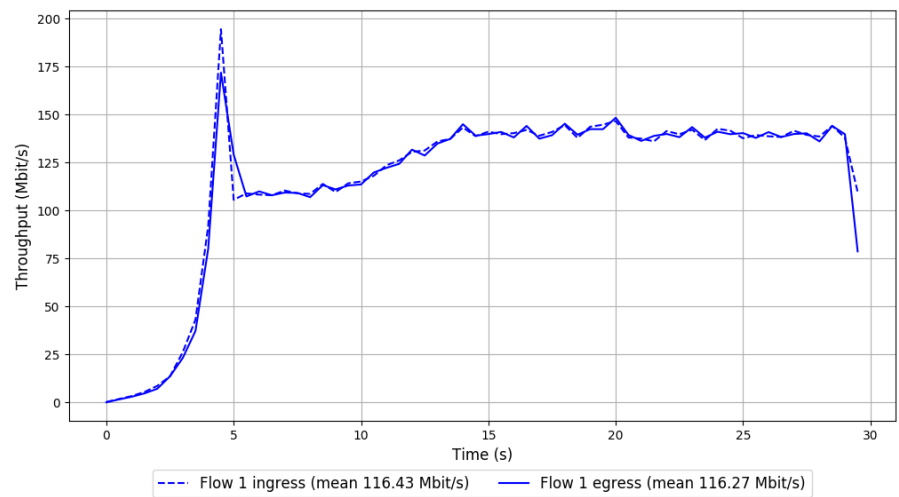
-- Flow 1:

Average throughput: 116.27 Mbit/s

95th percentile per-packet one-way delay: 112.811 ms

Loss rate: 0.89%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-16 09:36:31

End at: 2018-01-16 09:37:01

Below is generated by plot.py at 2018-01-16 13:29:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.99 Mbit/s

95th percentile per-packet one-way delay: 129.271 ms

Loss rate: 1.38%

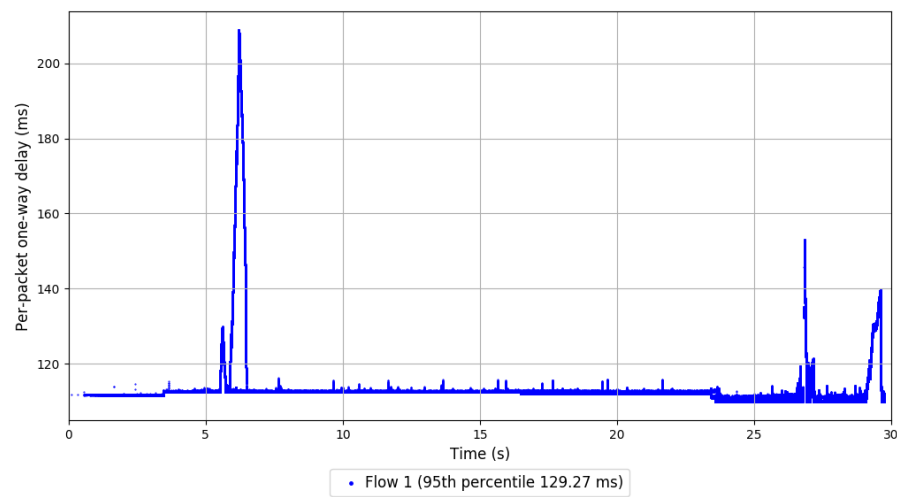
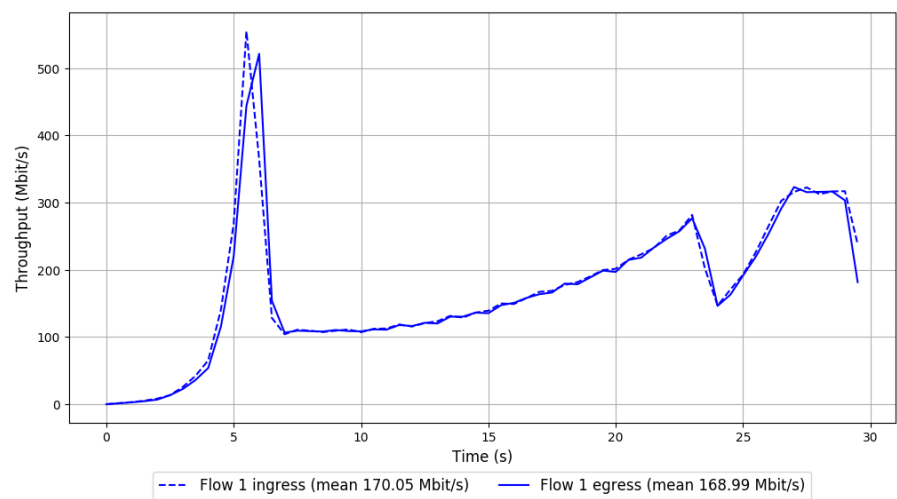
-- Flow 1:

Average throughput: 168.99 Mbit/s

95th percentile per-packet one-way delay: 129.271 ms

Loss rate: 1.38%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-16 09:51:36

End at: 2018-01-16 09:52:06

Below is generated by plot.py at 2018-01-16 13:29:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.26 Mbit/s

95th percentile per-packet one-way delay: 113.932 ms

Loss rate: 0.49%

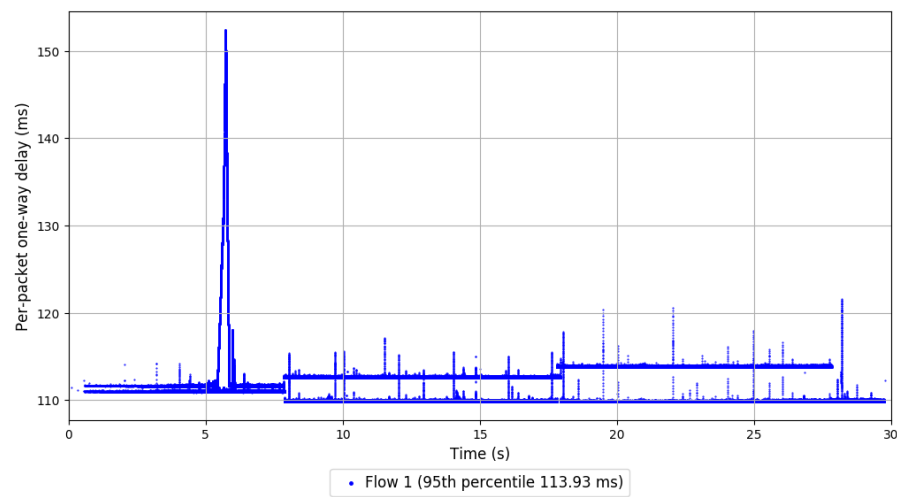
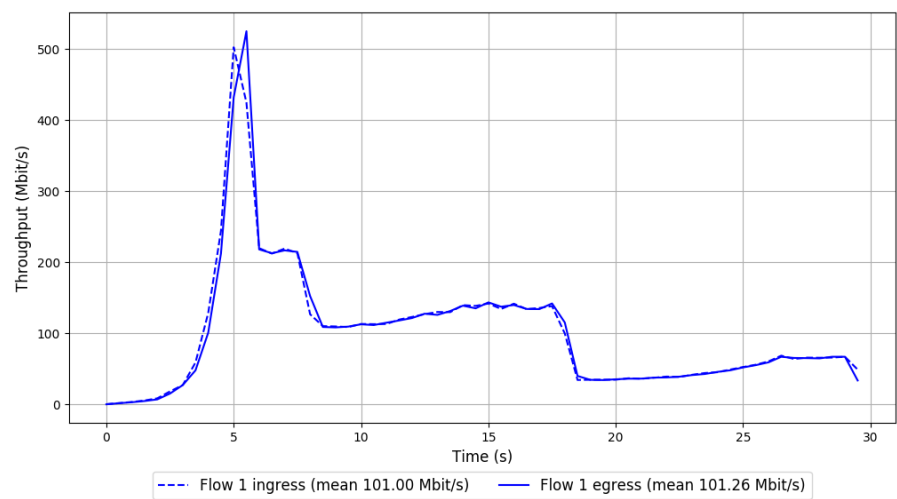
-- Flow 1:

Average throughput: 101.26 Mbit/s

95th percentile per-packet one-way delay: 113.932 ms

Loss rate: 0.49%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 07:38:24

End at: 2018-01-16 07:38:54

Below is generated by plot.py at 2018-01-16 13:29:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.78 Mbit/s

95th percentile per-packet one-way delay: 113.387 ms

Loss rate: 0.29%

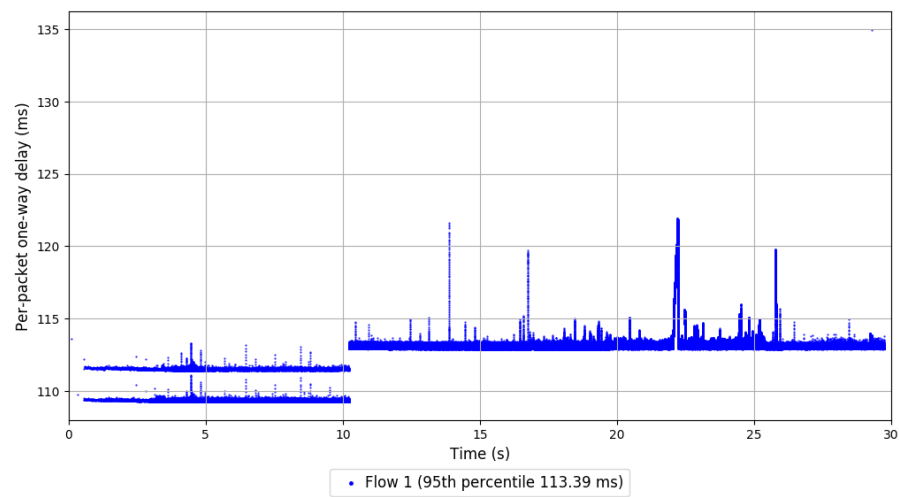
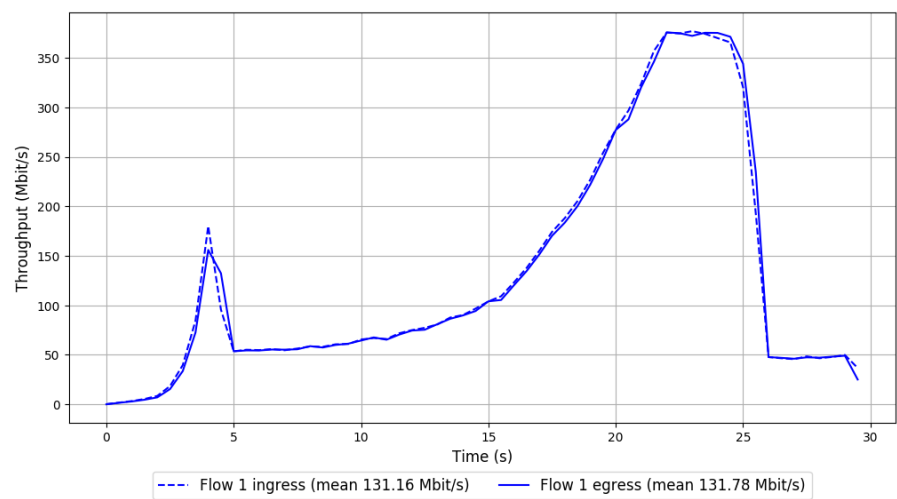
-- Flow 1:

Average throughput: 131.78 Mbit/s

95th percentile per-packet one-way delay: 113.387 ms

Loss rate: 0.29%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 07:53:43

End at: 2018-01-16 07:54:13

Below is generated by plot.py at 2018-01-16 13:29:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 113.880 ms

Loss rate: 1.73%

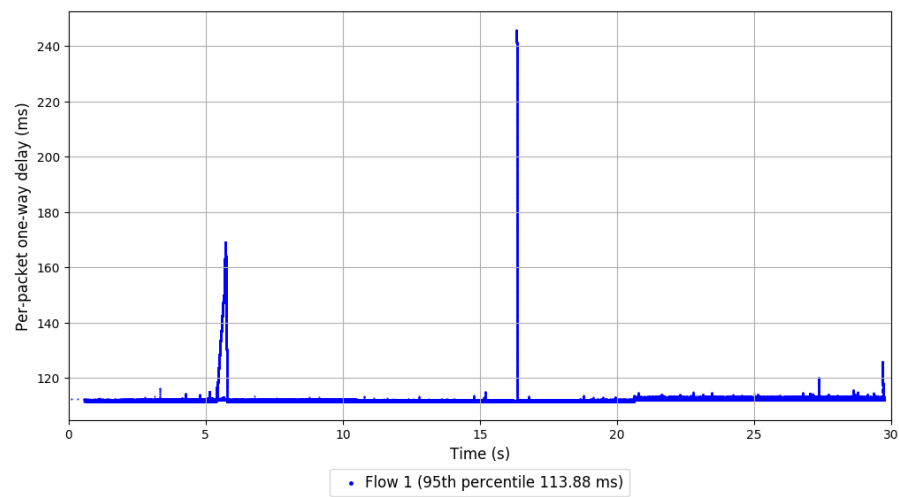
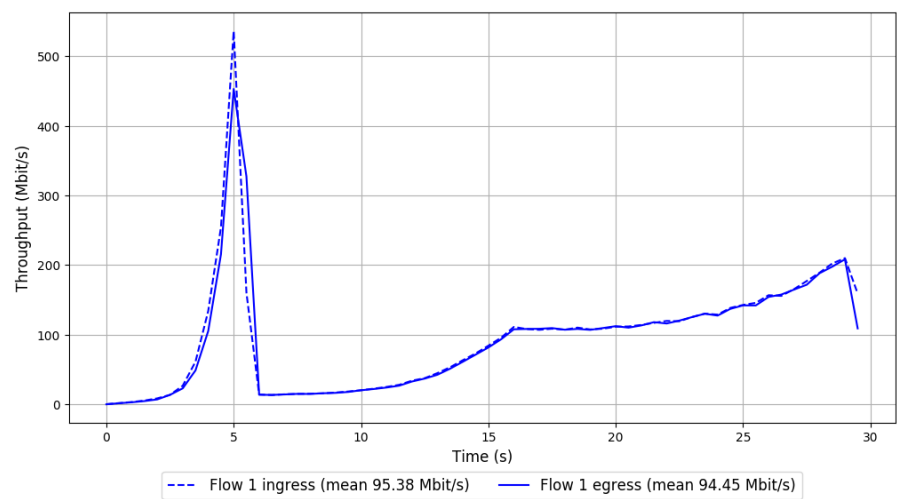
-- Flow 1:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 113.880 ms

Loss rate: 1.73%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

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

End at: 2018-01-16 08:09:05

Below is generated by plot.py at 2018-01-16 13:29:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 112.846 ms

Loss rate: 0.01%

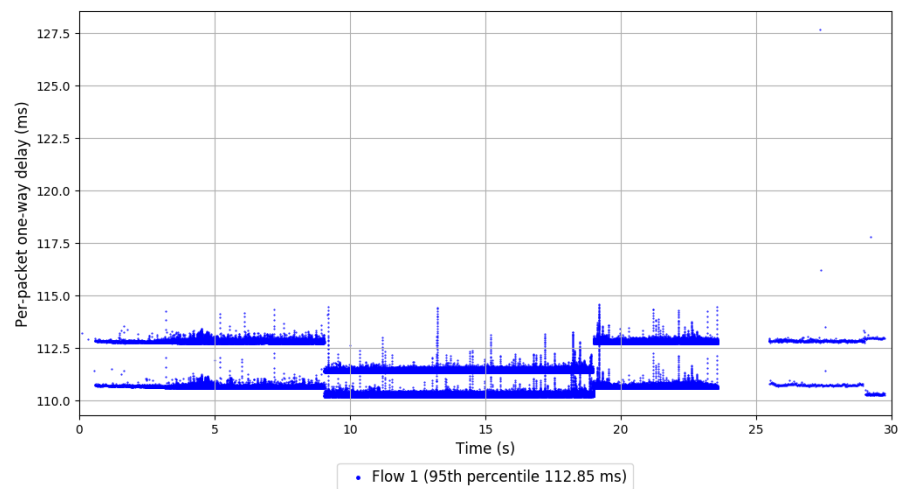
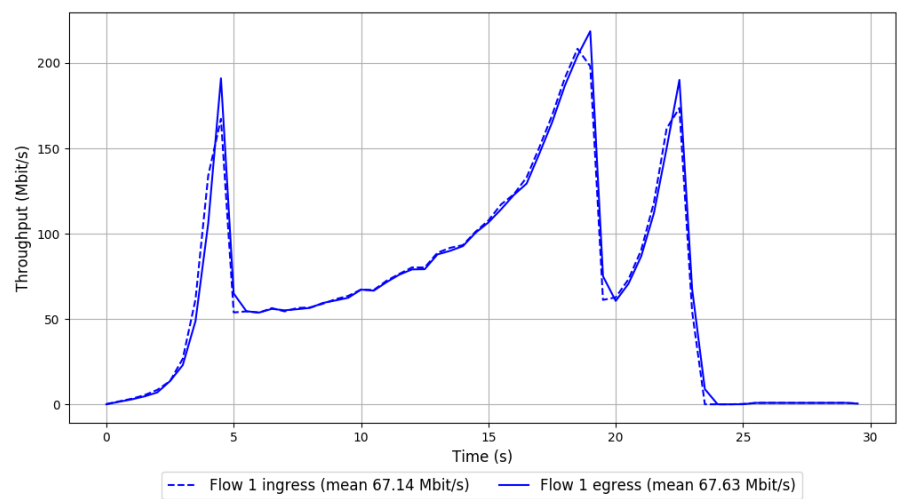
-- Flow 1:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 112.846 ms

Loss rate: 0.01%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-16 08:23:57

End at: 2018-01-16 08:24:27

Below is generated by plot.py at 2018-01-16 13:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.40 Mbit/s

95th percentile per-packet one-way delay: 112.958 ms

Loss rate: 1.09%

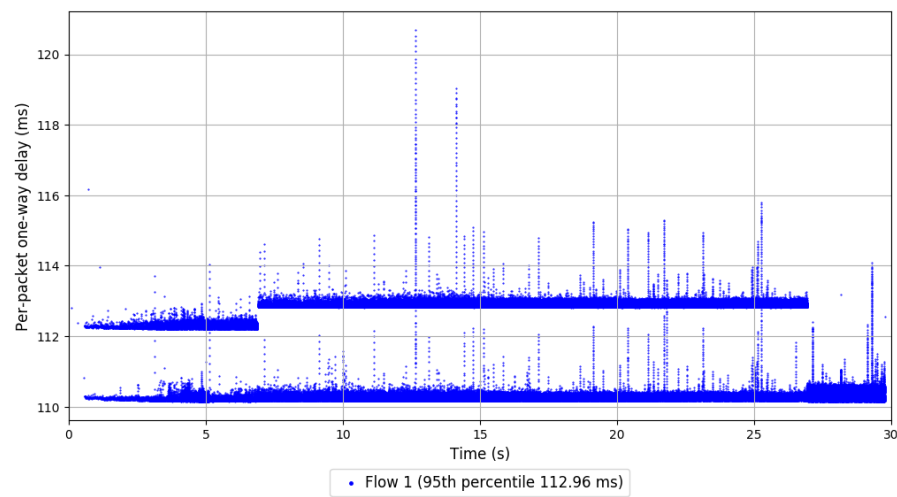
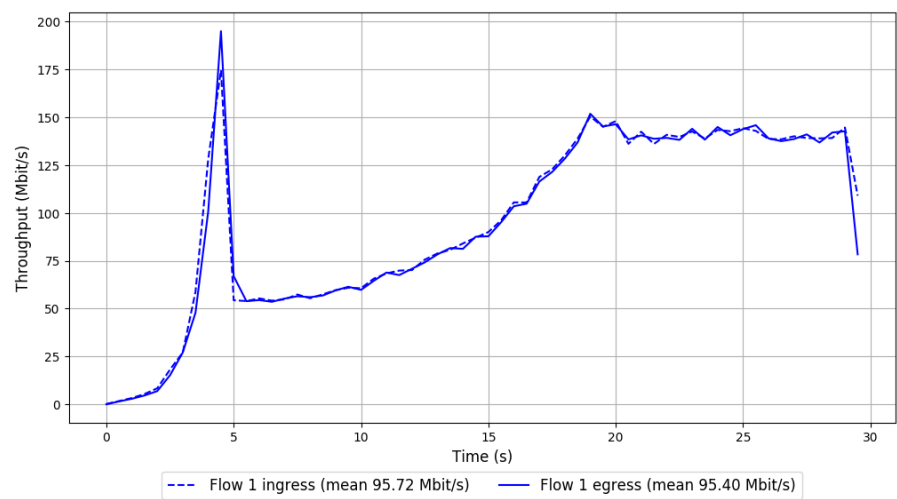
-- Flow 1:

Average throughput: 95.40 Mbit/s

95th percentile per-packet one-way delay: 112.958 ms

Loss rate: 1.09%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

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

End at: 2018-01-16 08:39:31

Below is generated by plot.py at 2018-01-16 13:29:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.55 Mbit/s

95th percentile per-packet one-way delay: 112.356 ms

Loss rate: 0.04%

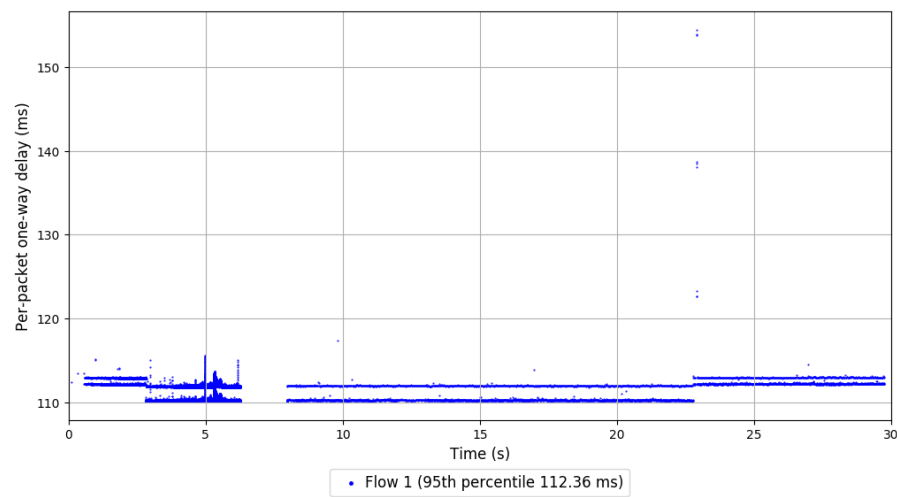
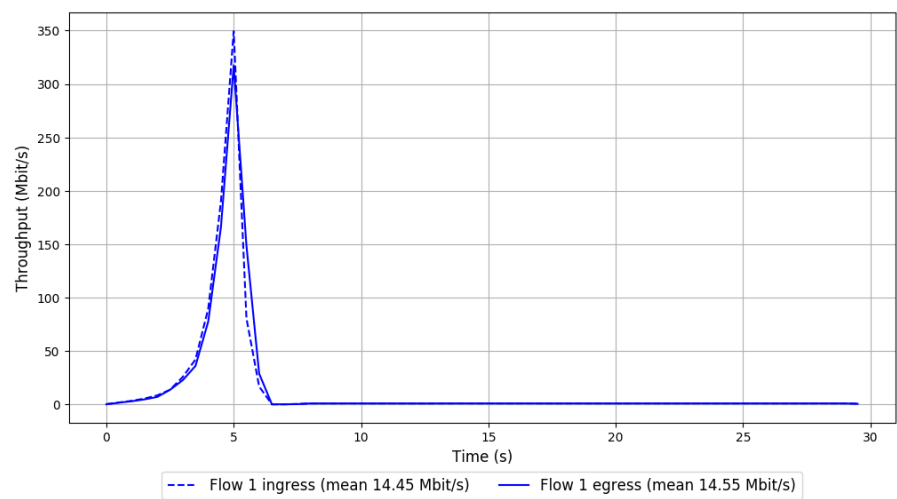
-- Flow 1:

Average throughput: 14.55 Mbit/s

95th percentile per-packet one-way delay: 112.356 ms

Loss rate: 0.04%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

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

End at: 2018-01-16 08:54:03

Below is generated by plot.py at 2018-01-16 13:29:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.21 Mbit/s

95th percentile per-packet one-way delay: 111.958 ms

Loss rate: 1.02%

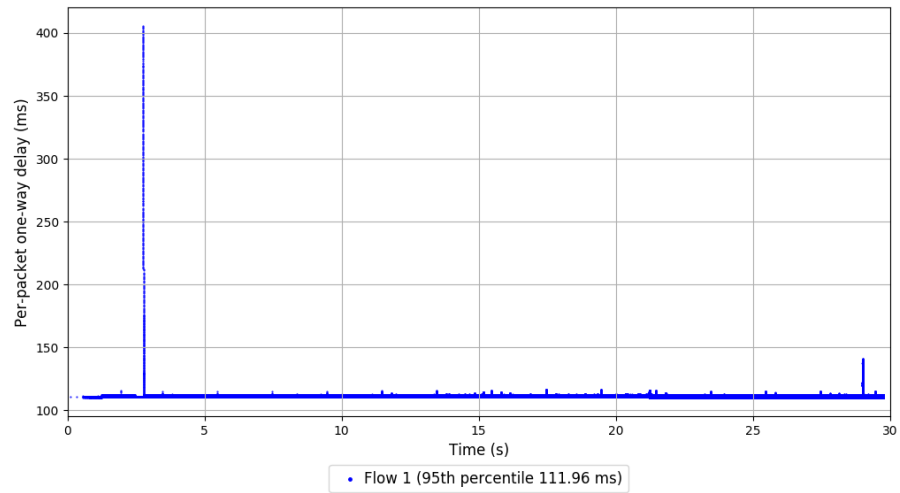
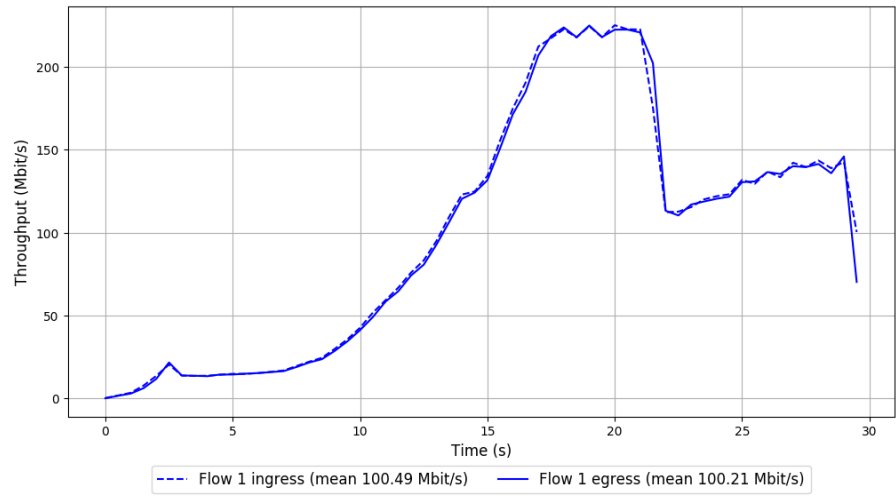
-- Flow 1:

Average throughput: 100.21 Mbit/s

95th percentile per-packet one-way delay: 111.958 ms

Loss rate: 1.02%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-16 09:09:02

End at: 2018-01-16 09:09:32

Below is generated by plot.py at 2018-01-16 13:29:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.43 Mbit/s

95th percentile per-packet one-way delay: 111.290 ms

Loss rate: 0.04%

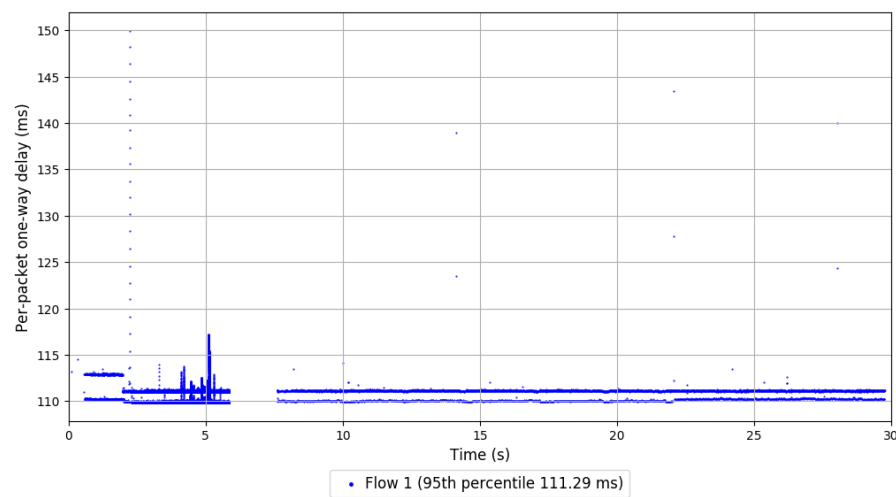
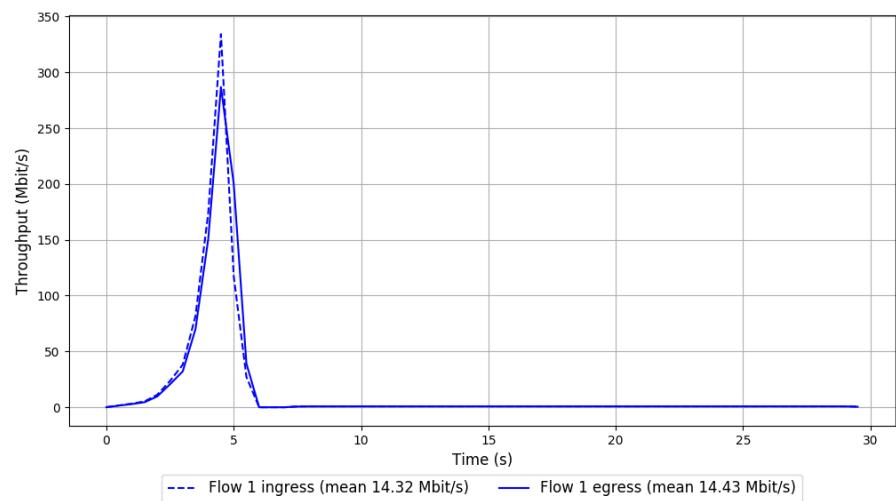
-- Flow 1:

Average throughput: 14.43 Mbit/s

95th percentile per-packet one-way delay: 111.290 ms

Loss rate: 0.04%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-16 09:24:06

End at: 2018-01-16 09:24:36

Below is generated by plot.py at 2018-01-16 13:29:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.41 Mbit/s

95th percentile per-packet one-way delay: 112.153 ms

Loss rate: 0.04%

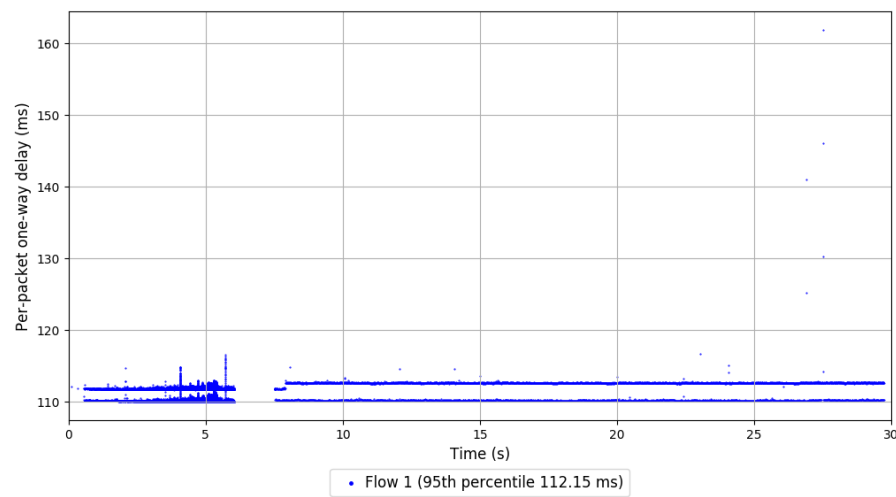
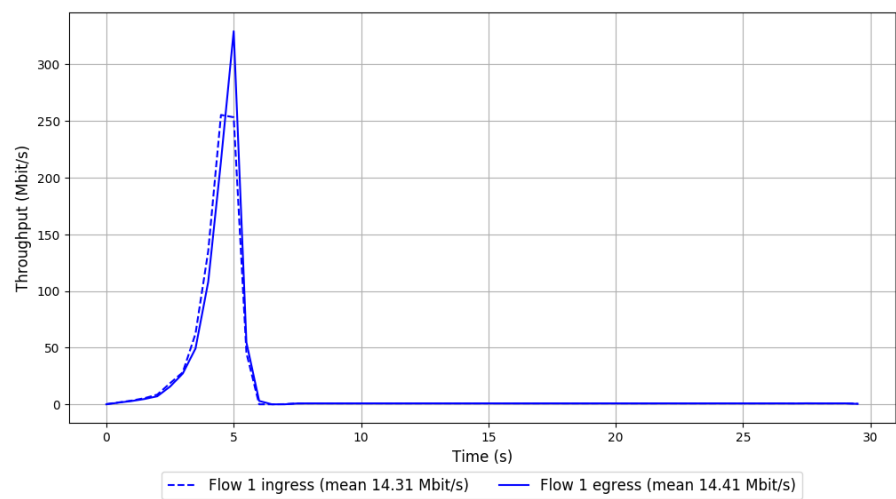
-- Flow 1:

Average throughput: 14.41 Mbit/s

95th percentile per-packet one-way delay: 112.153 ms

Loss rate: 0.04%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-16 09:39:00

End at: 2018-01-16 09:39:30

Below is generated by plot.py at 2018-01-16 13:29:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.30 Mbit/s

95th percentile per-packet one-way delay: 112.769 ms

Loss rate: 0.04%

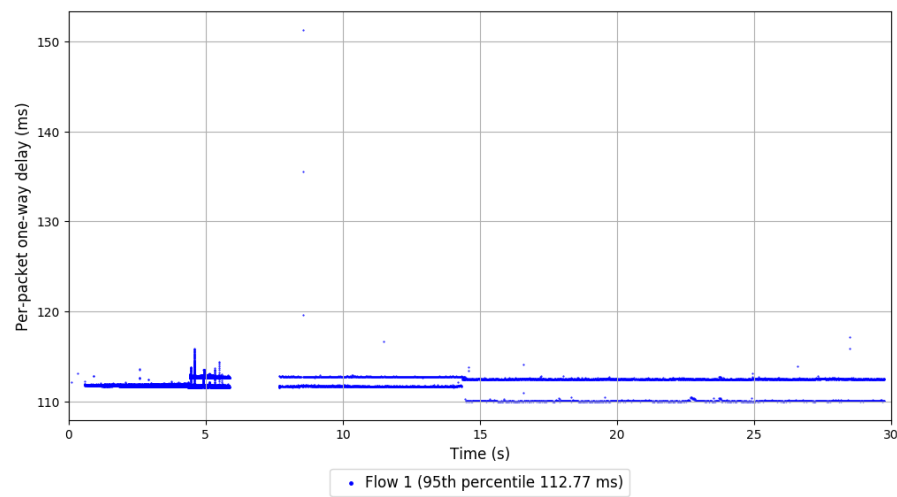
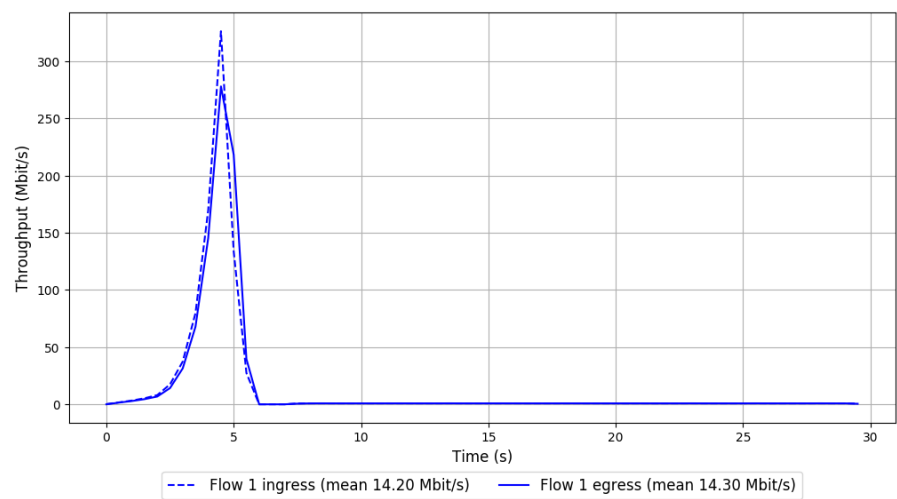
-- Flow 1:

Average throughput: 14.30 Mbit/s

95th percentile per-packet one-way delay: 112.769 ms

Loss rate: 0.04%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-16 09:53:59

End at: 2018-01-16 09:54:29

Below is generated by plot.py at 2018-01-16 13:30:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.39 Mbit/s

95th percentile per-packet one-way delay: 112.653 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 180.39 Mbit/s

95th percentile per-packet one-way delay: 112.653 ms

Loss rate: 1.24%

Run 10: Report of Vivace-LTE — Data Link

