

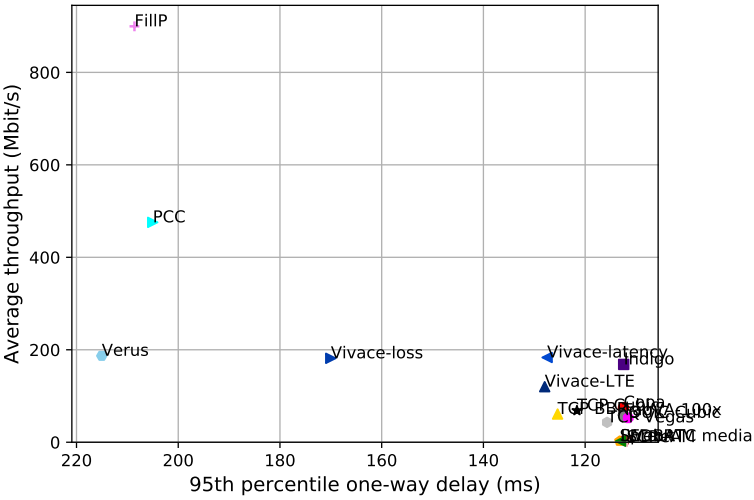
Pantheon Report

Generated at 2018-01-16 14:29:52 (UTC).
Data path: GCE London Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

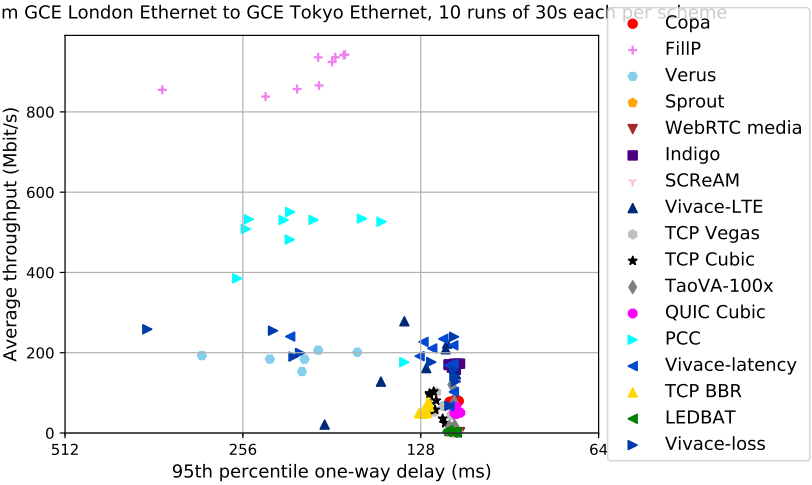
Git summary:

```
branch: master @ af8abdfba95588b0c5f2aeca9e856a1656b0c598
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/llp @ 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-quick @ 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 London Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	61.08	125.42	0.14
TCP Cubic	10	68.48	121.61	0.30
LEDBAT	10	2.23	113.04	0.53
PCC	10	475.62	205.00	2.30
QUIC Cubic	8	52.83	111.53	0.00
SCReAM	10	0.21	111.84	0.00
WebRTC media	10	2.18	111.83	0.00
Sprout	10	2.56	113.22	0.17
TaoVA-100x	8	58.69	112.69	0.00
TCP Vegas	9	43.03	115.69	0.62
Verus	6	186.96	215.03	2.18
Copa	10	74.81	112.45	0.00
FillP	9	899.62	208.61	3.59
Indigo	10	168.33	112.42	0.06
Vivace-latency	10	183.31	127.48	0.05
Vivace-loss	10	181.55	170.00	1.02
Vivace-LTE	10	120.19	127.95	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 09:59:47

End at: 2018-01-16 10:00:17

Below is generated by plot.py at 2018-01-16 13:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 124.140 ms

Loss rate: 0.01%

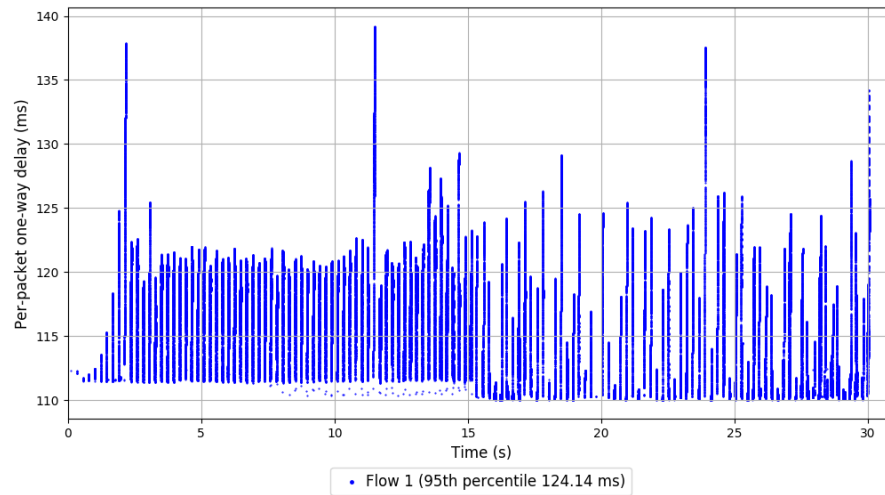
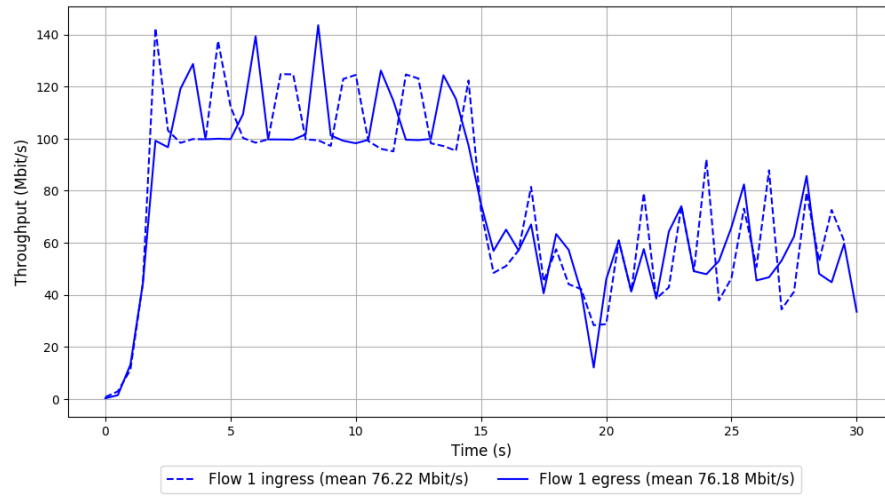
-- Flow 1:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 124.140 ms

Loss rate: 0.01%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-16 10:15:05

End at: 2018-01-16 10:15:35

Below is generated by plot.py at 2018-01-16 13:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.85 Mbit/s

95th percentile per-packet one-way delay: 126.759 ms

Loss rate: 0.51%

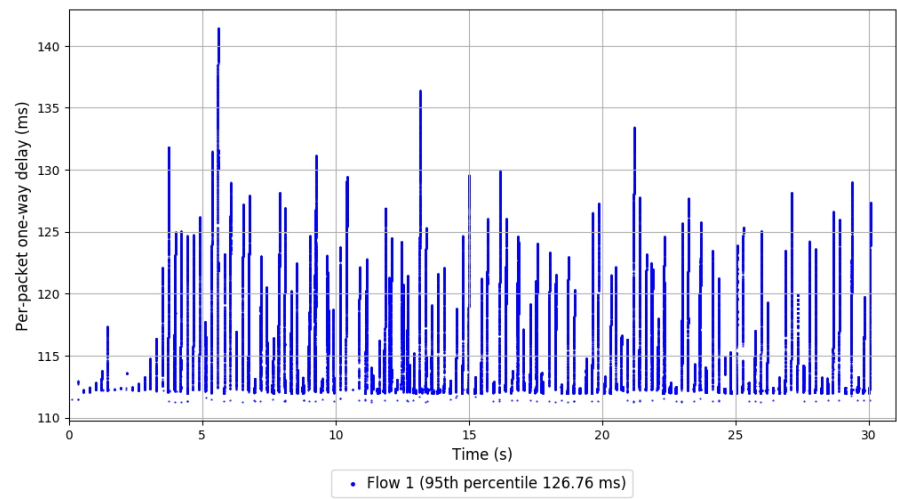
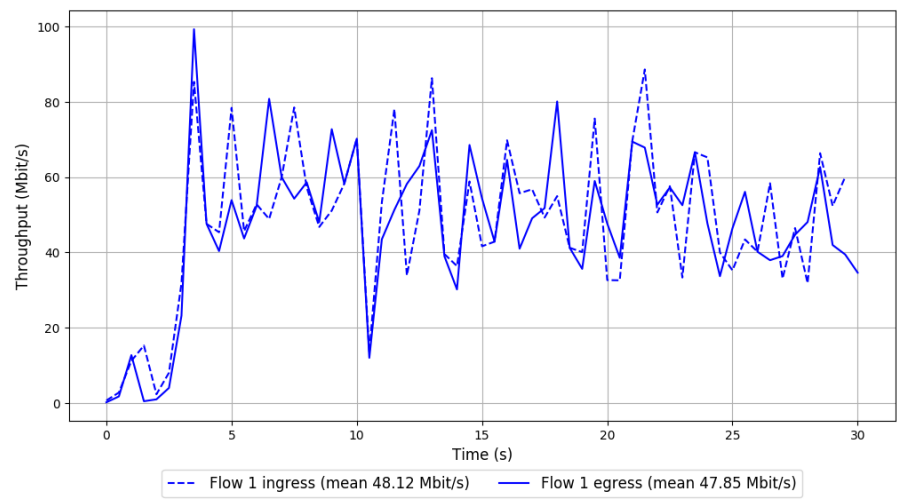
-- Flow 1:

Average throughput: 47.85 Mbit/s

95th percentile per-packet one-way delay: 126.759 ms

Loss rate: 0.51%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-16 10:30:13

End at: 2018-01-16 10:30:43

Below is generated by plot.py at 2018-01-16 13:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.75 Mbit/s

95th percentile per-packet one-way delay: 124.892 ms

Loss rate: 0.00%

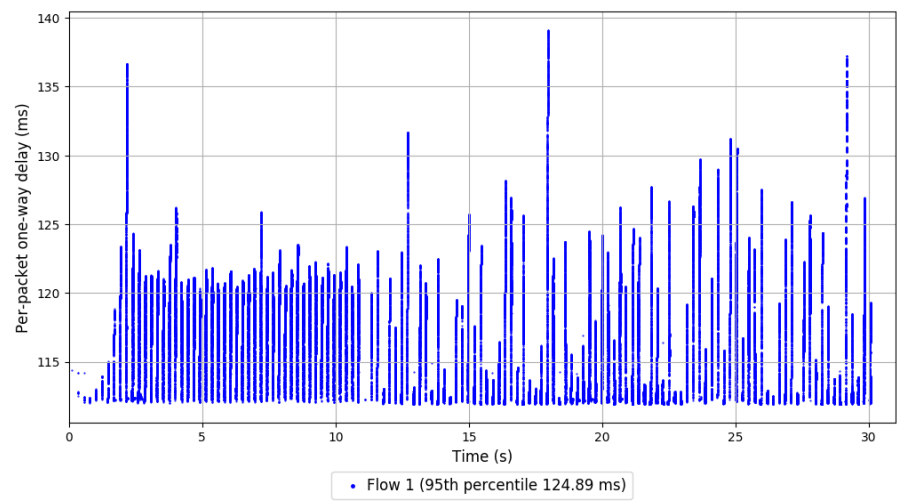
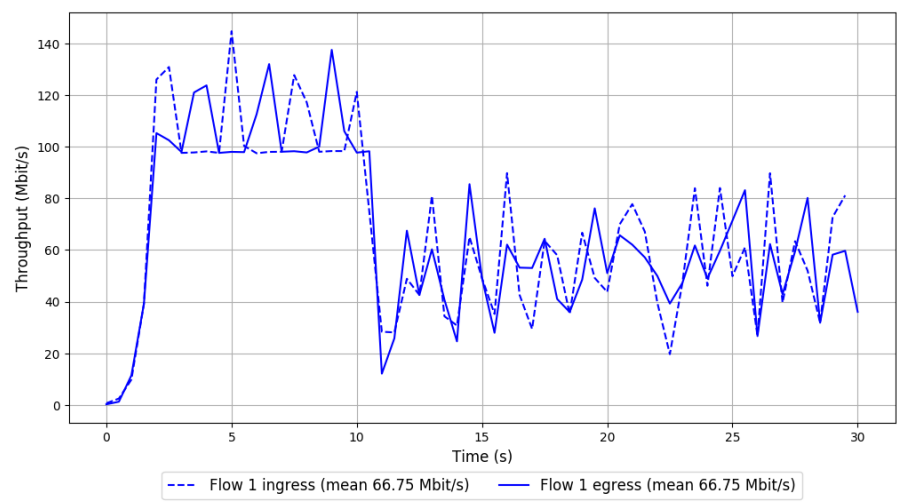
-- Flow 1:

Average throughput: 66.75 Mbit/s

95th percentile per-packet one-way delay: 124.892 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-16 10:45:05

End at: 2018-01-16 10:45:35

Below is generated by plot.py at 2018-01-16 13:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.93 Mbit/s

95th percentile per-packet one-way delay: 125.767 ms

Loss rate: 0.02%

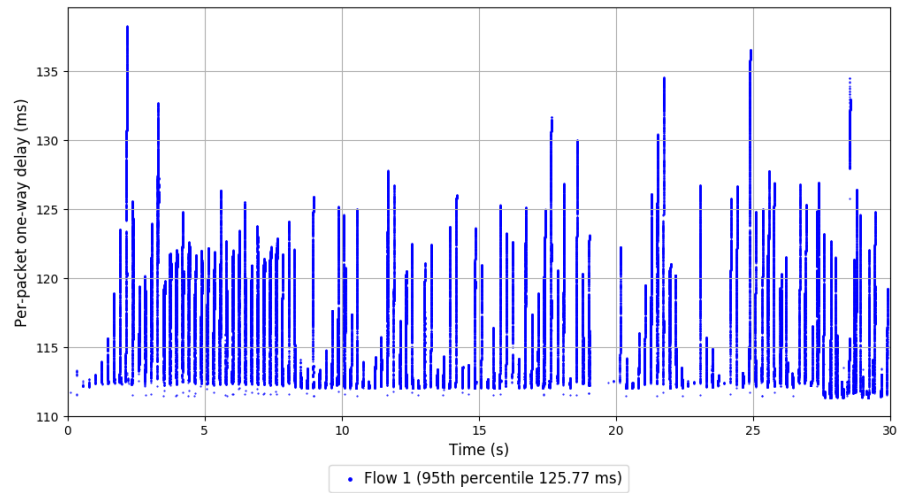
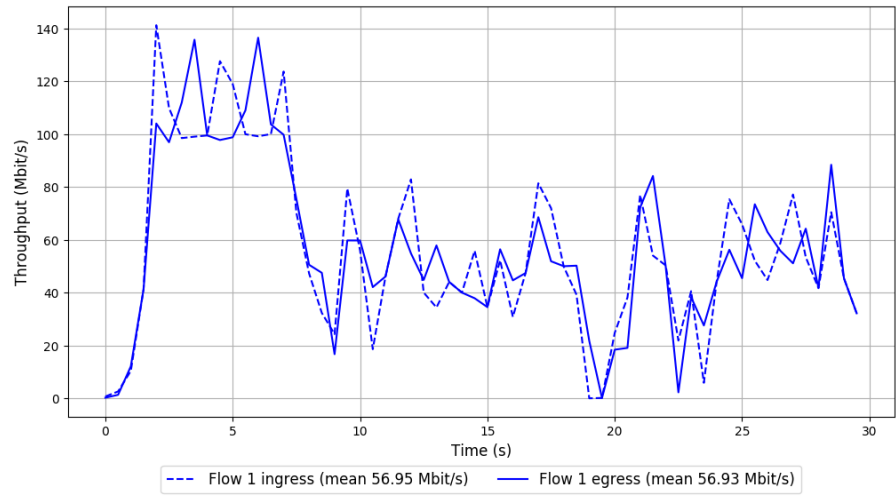
-- Flow 1:

Average throughput: 56.93 Mbit/s

95th percentile per-packet one-way delay: 125.767 ms

Loss rate: 0.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-16 11:00:10

End at: 2018-01-16 11:00:40

Below is generated by plot.py at 2018-01-16 13:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.67 Mbit/s

95th percentile per-packet one-way delay: 126.723 ms

Loss rate: 0.79%

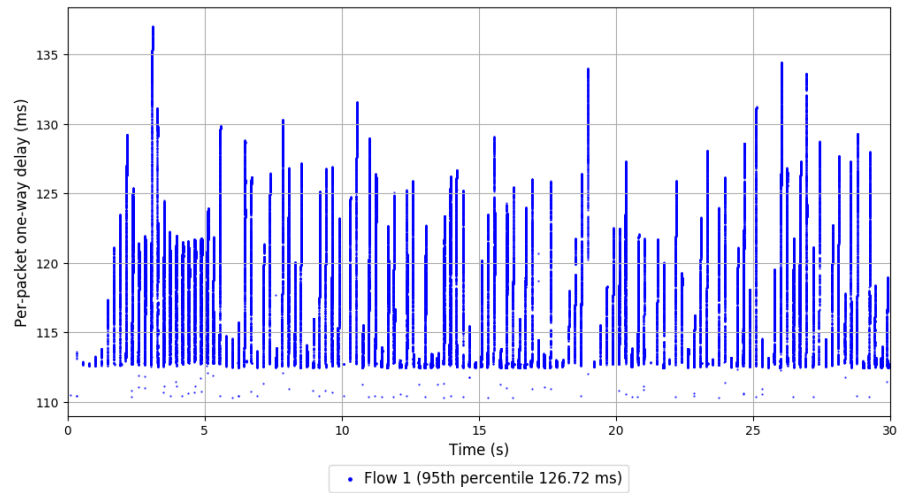
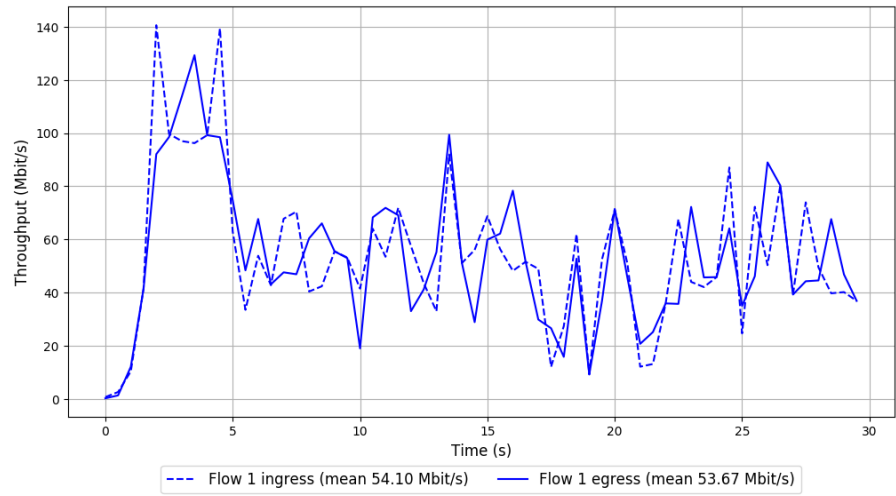
-- Flow 1:

Average throughput: 53.67 Mbit/s

95th percentile per-packet one-way delay: 126.723 ms

Loss rate: 0.79%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-16 11:14:58

End at: 2018-01-16 11:15:28

Below is generated by plot.py at 2018-01-16 13:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 128.885 ms

Loss rate: 0.03%

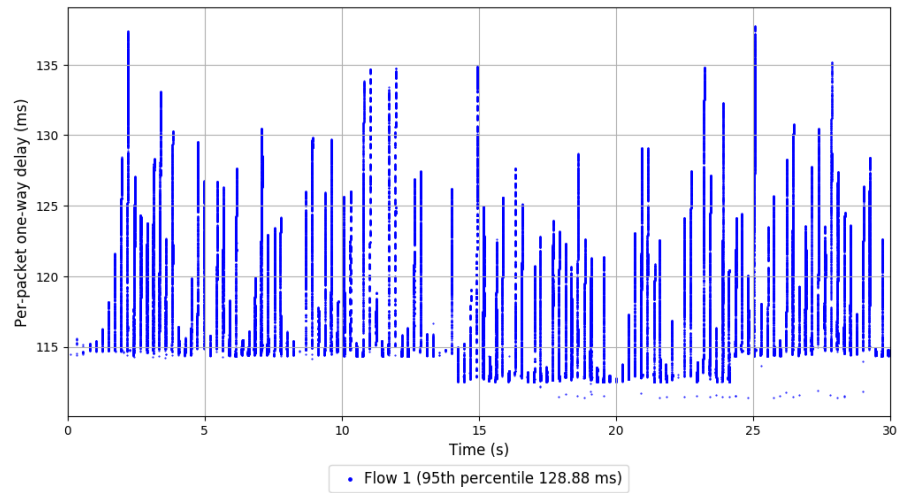
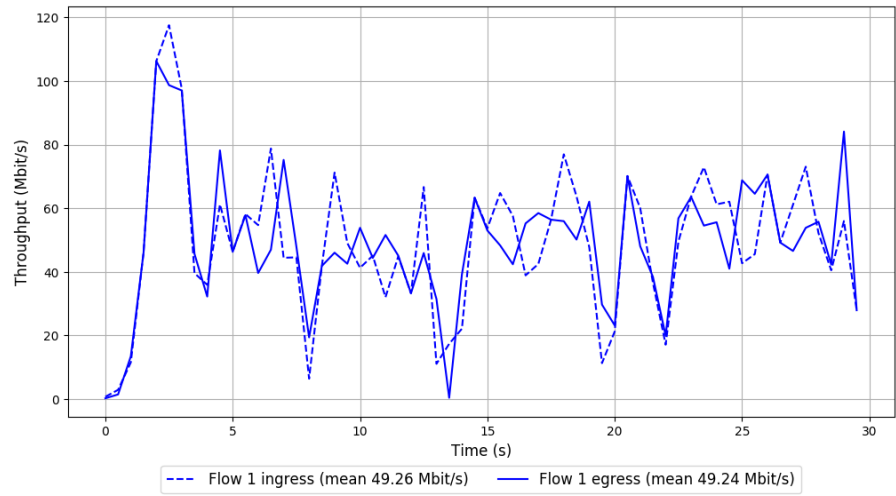
-- Flow 1:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 128.885 ms

Loss rate: 0.03%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-16 11:29:45

End at: 2018-01-16 11:30:15

Below is generated by plot.py at 2018-01-16 13:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 124.268 ms

Loss rate: 0.00%

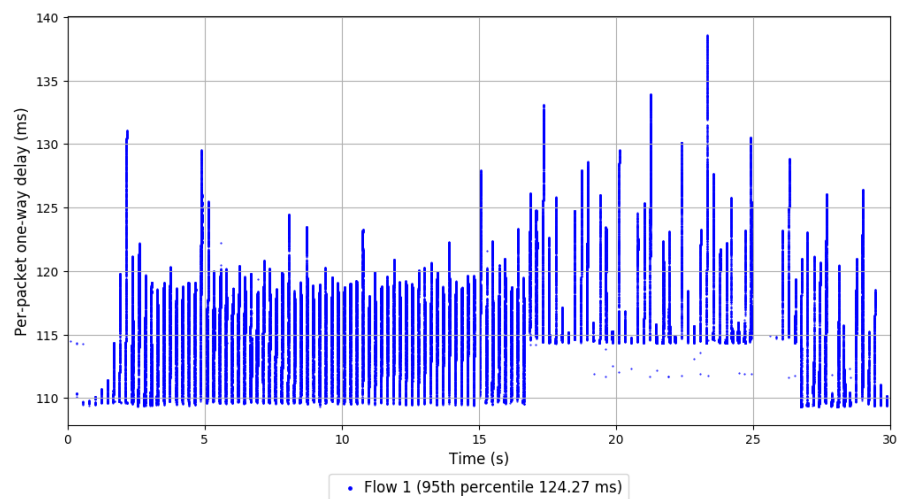
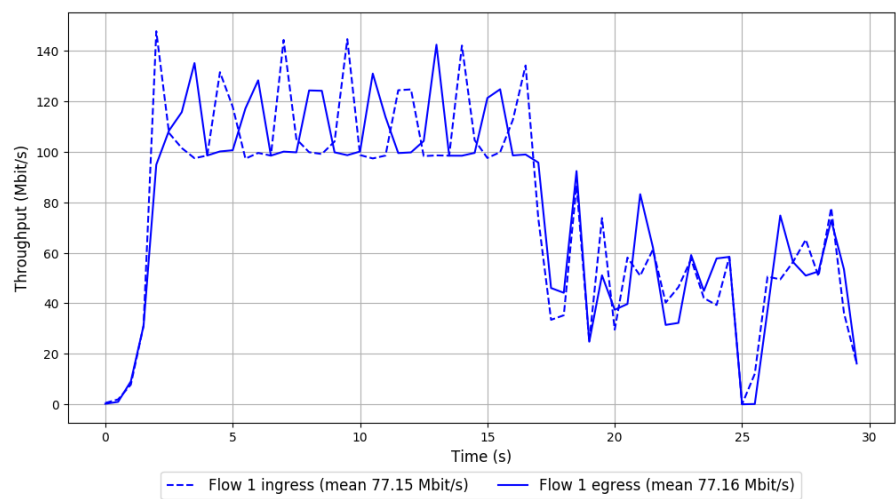
-- Flow 1:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 124.268 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-16 11:44:31

End at: 2018-01-16 11:45:01

Below is generated by plot.py at 2018-01-16 13:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.07 Mbit/s

95th percentile per-packet one-way delay: 123.846 ms

Loss rate: 0.00%

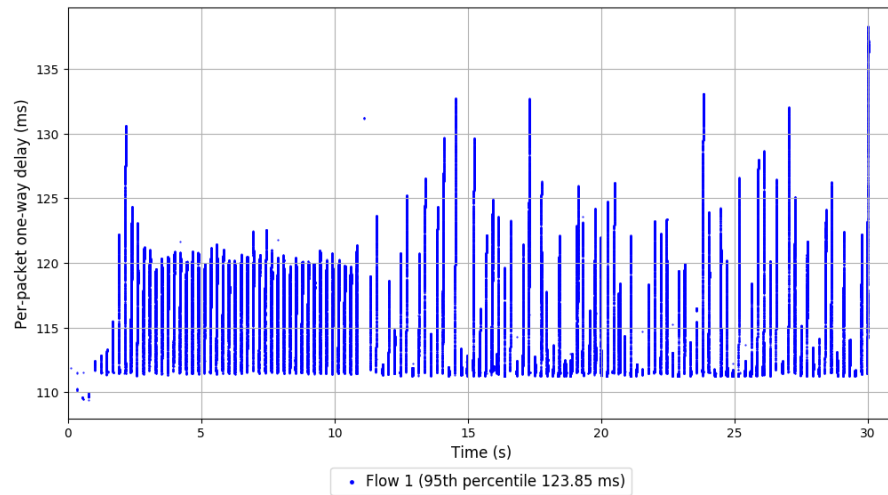
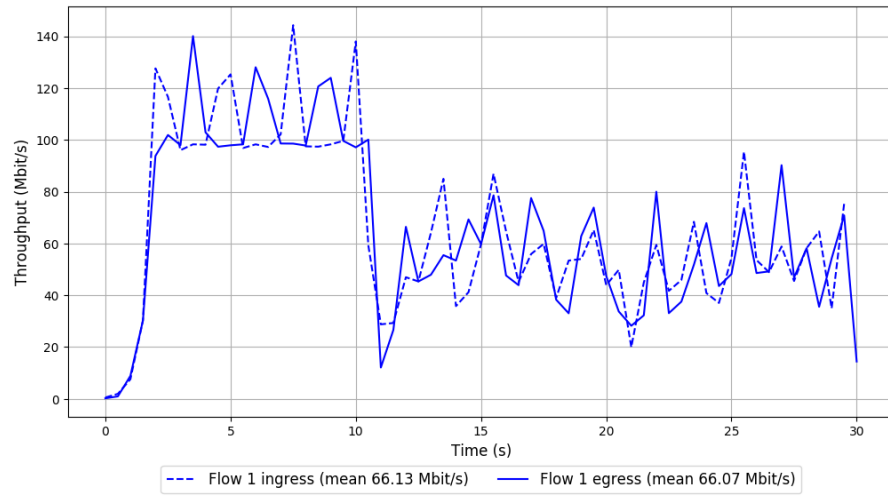
-- Flow 1:

Average throughput: 66.07 Mbit/s

95th percentile per-packet one-way delay: 123.846 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-16 11:59:56

End at: 2018-01-16 12:00:26

Below is generated by plot.py at 2018-01-16 13:32:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 124.220 ms

Loss rate: 0.00%

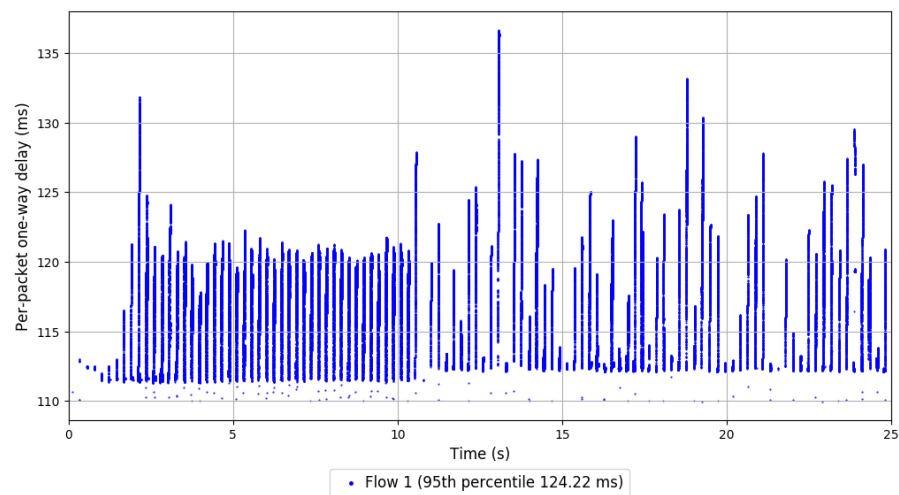
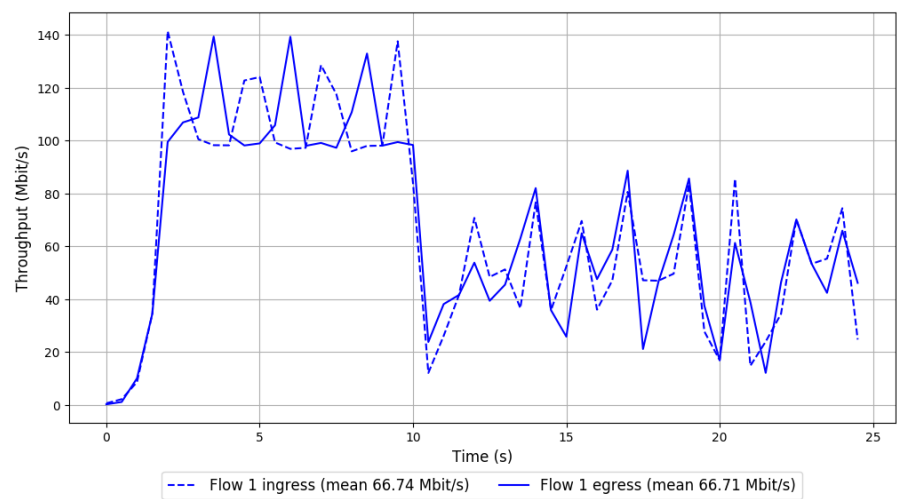
-- Flow 1:

Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 124.220 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-16 12:15:25

End at: 2018-01-16 12:15:55

Below is generated by plot.py at 2018-01-16 13:32:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.20 Mbit/s

95th percentile per-packet one-way delay: 124.678 ms

Loss rate: 0.02%

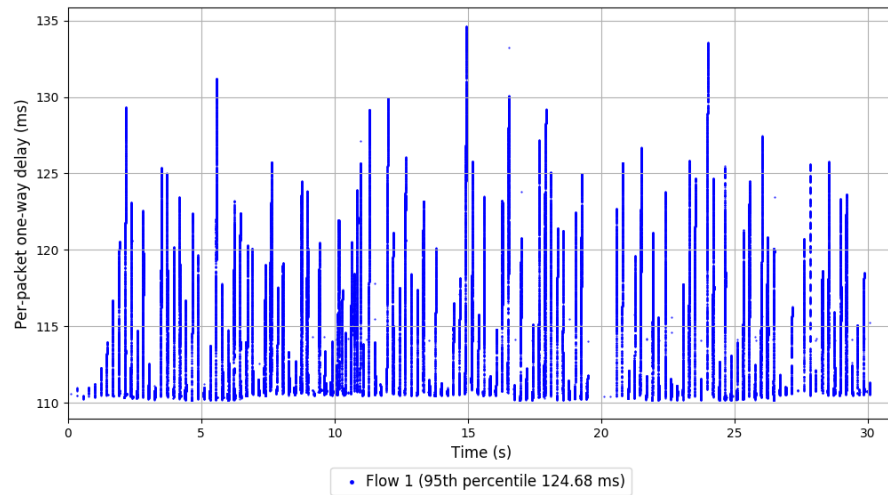
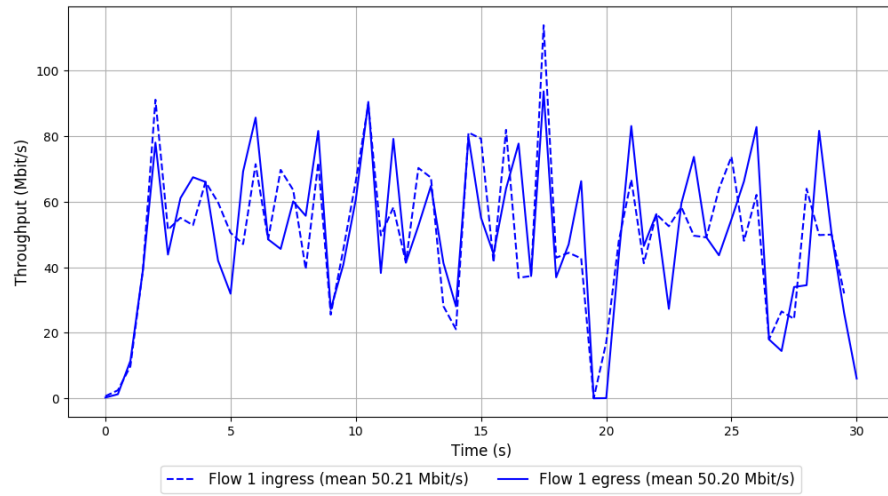
-- Flow 1:

Average throughput: 50.20 Mbit/s

95th percentile per-packet one-way delay: 124.678 ms

Loss rate: 0.02%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

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

End at: 2018-01-16 10:06:46

Below is generated by plot.py at 2018-01-16 13:33:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 123.464 ms

Loss rate: 0.17%

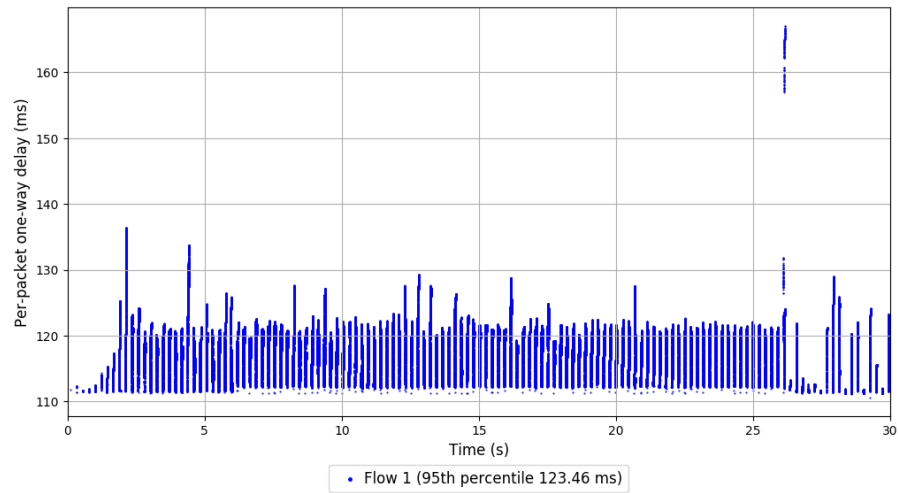
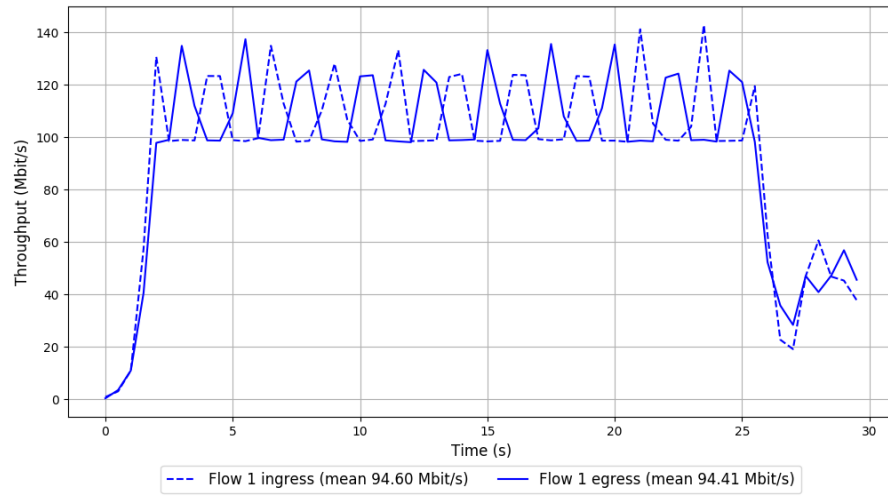
-- Flow 1:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 123.464 ms

Loss rate: 0.17%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 10:21:28

End at: 2018-01-16 10:21:58

Below is generated by plot.py at 2018-01-16 13:33:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.67 Mbit/s

95th percentile per-packet one-way delay: 117.557 ms

Loss rate: 0.65%

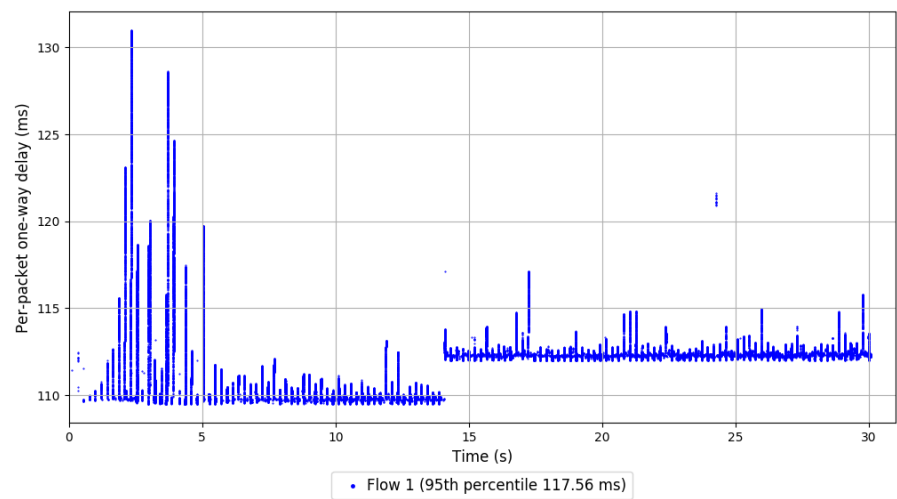
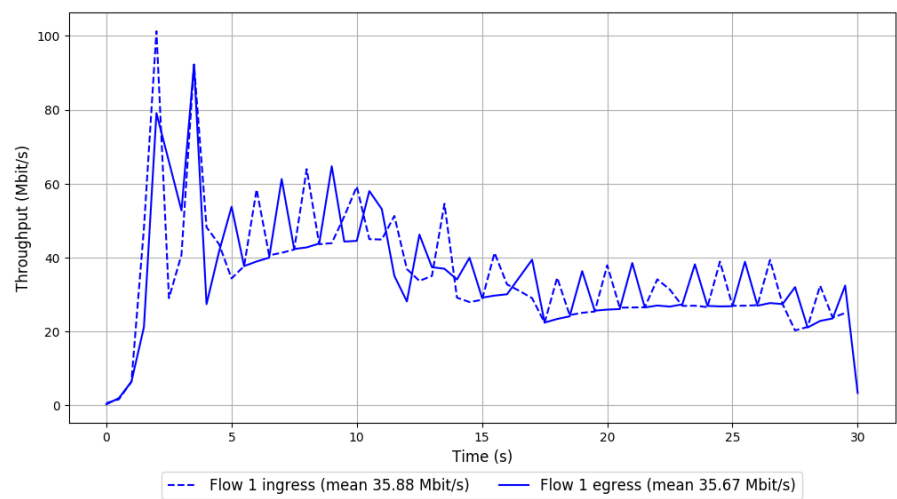
-- Flow 1:

Average throughput: 35.67 Mbit/s

95th percentile per-packet one-way delay: 117.557 ms

Loss rate: 0.65%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 10:36:41

End at: 2018-01-16 10:37:11

Below is generated by plot.py at 2018-01-16 13:33:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.45 Mbit/s

95th percentile per-packet one-way delay: 123.333 ms

Loss rate: 0.28%

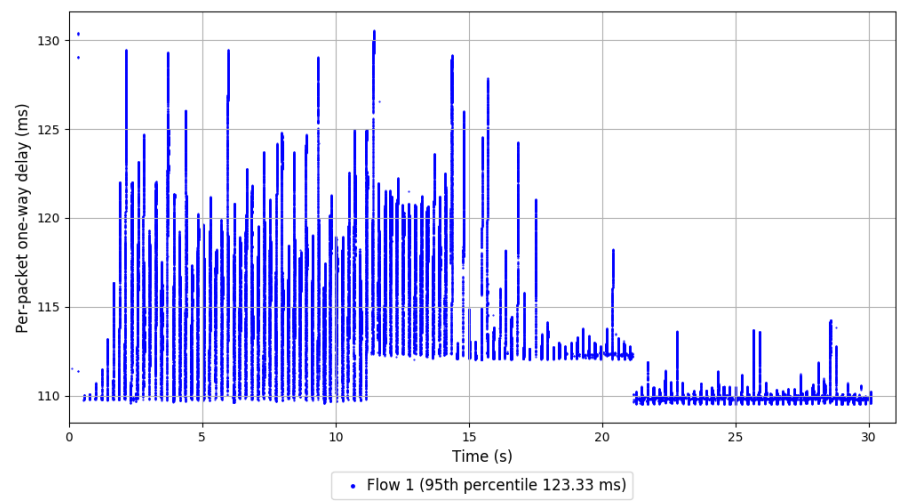
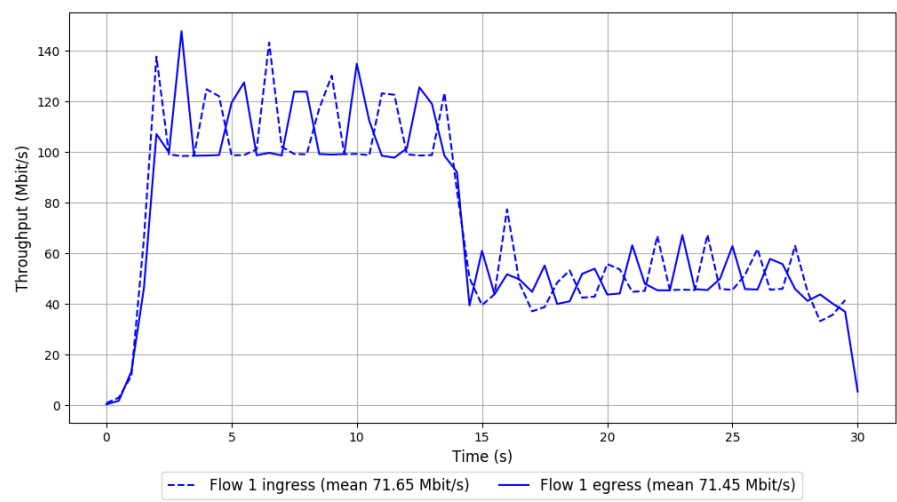
-- Flow 1:

Average throughput: 71.45 Mbit/s

95th percentile per-packet one-way delay: 123.333 ms

Loss rate: 0.28%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-16 10:51:27

End at: 2018-01-16 10:51:57

Below is generated by plot.py at 2018-01-16 13:33:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 116.404 ms

Loss rate: 1.01%

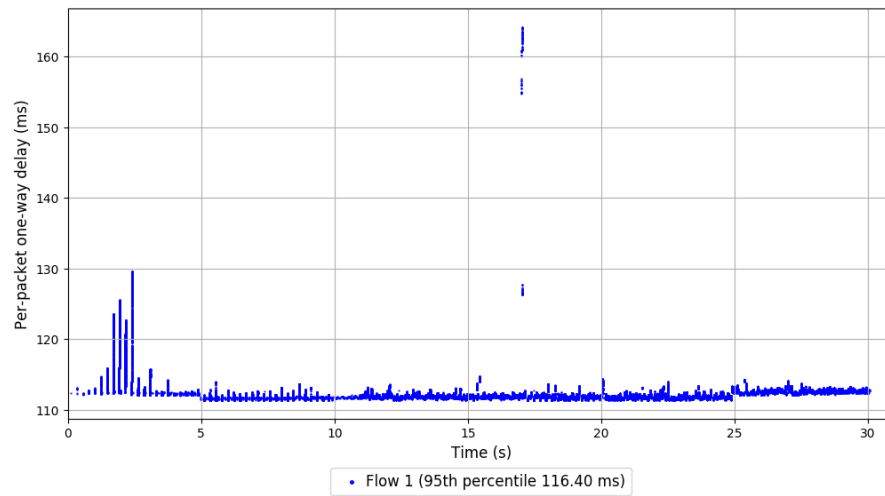
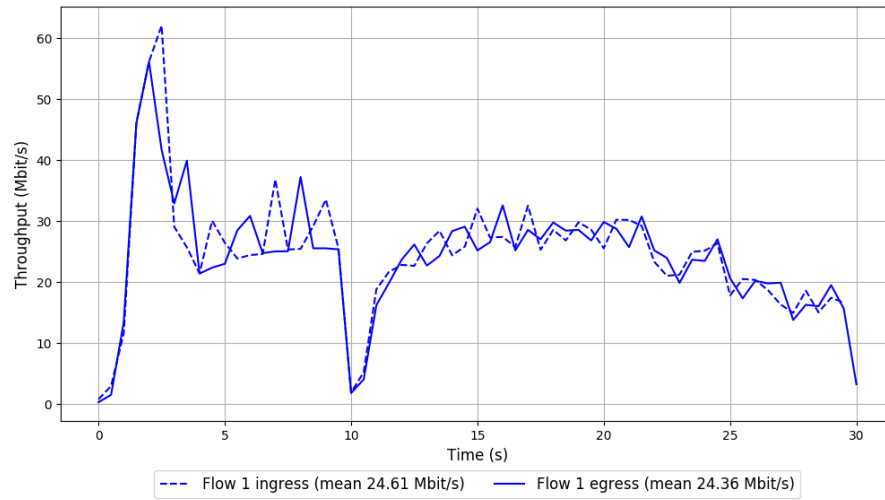
-- Flow 1:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 116.404 ms

Loss rate: 1.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-16 11:06:35

End at: 2018-01-16 11:07:05

Below is generated by plot.py at 2018-01-16 13:33:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.92 Mbit/s

95th percentile per-packet one-way delay: 121.022 ms

Loss rate: 0.62%

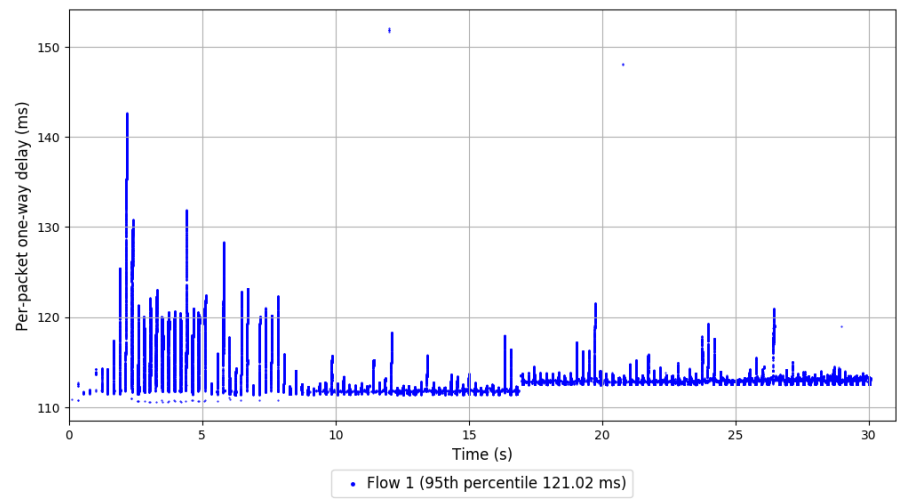
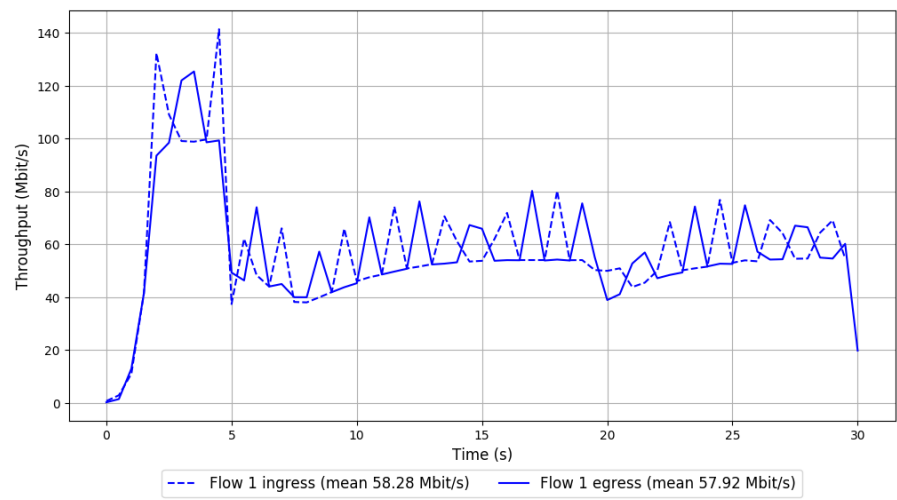
-- Flow 1:

Average throughput: 57.92 Mbit/s

95th percentile per-packet one-way delay: 121.022 ms

Loss rate: 0.62%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-16 11:21:14

End at: 2018-01-16 11:21:44

Below is generated by plot.py at 2018-01-16 13:33:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.22 Mbit/s

95th percentile per-packet one-way delay: 124.282 ms

Loss rate: 0.00%

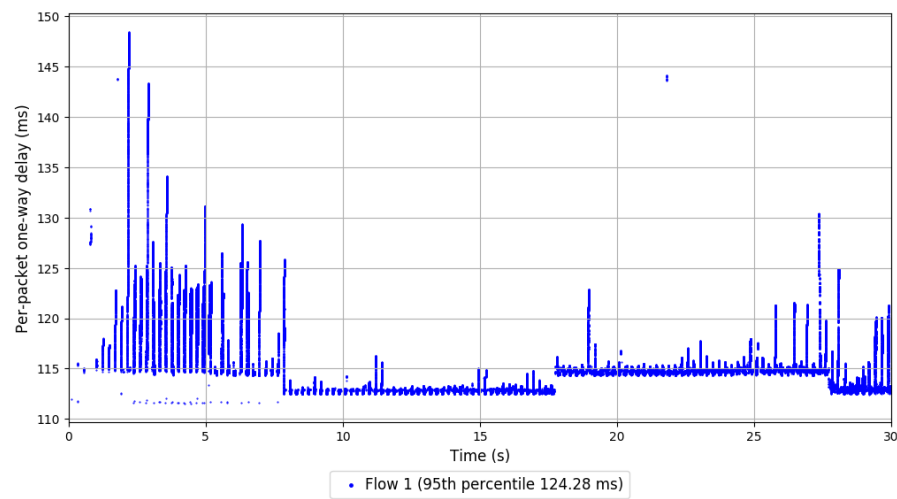
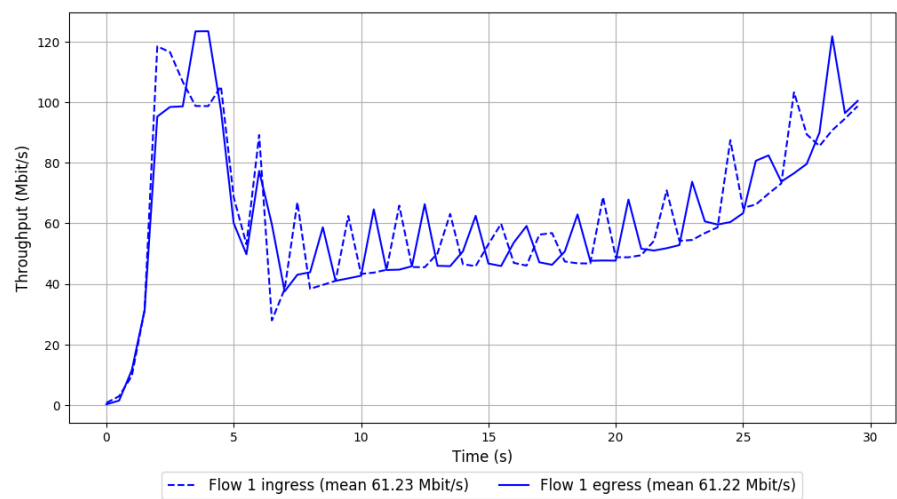
-- Flow 1:

Average throughput: 61.22 Mbit/s

95th percentile per-packet one-way delay: 124.282 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-16 11:35:54

End at: 2018-01-16 11:36:24

Below is generated by plot.py at 2018-01-16 13:33:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.67 Mbit/s

95th percentile per-packet one-way delay: 124.100 ms

Loss rate: 0.07%

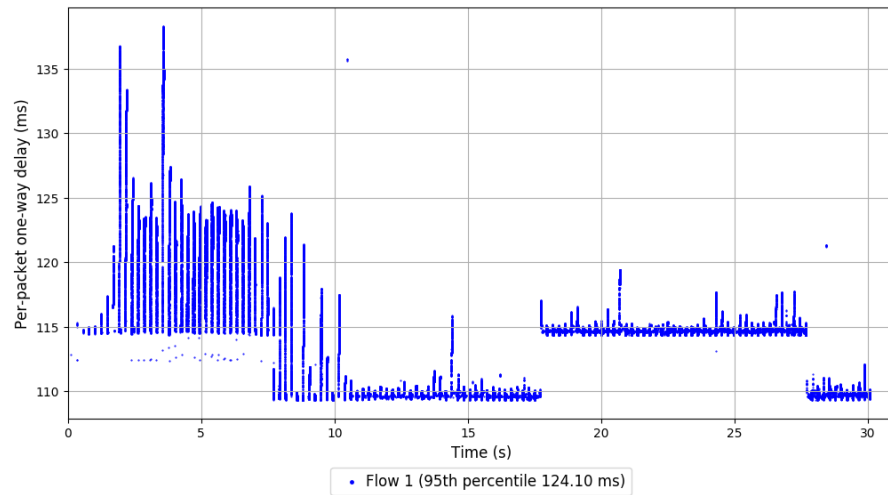
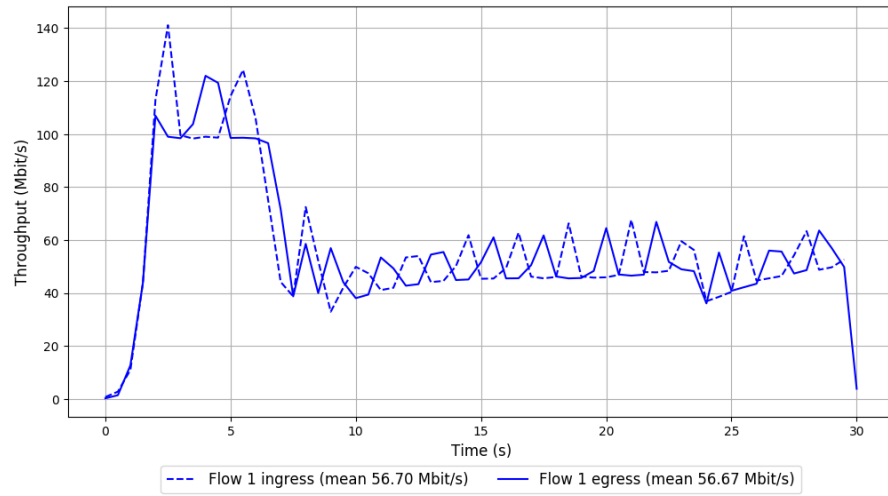
-- Flow 1:

Average throughput: 56.67 Mbit/s

95th percentile per-packet one-way delay: 124.100 ms

Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-16 11:50:53

End at: 2018-01-16 11:51:23

Below is generated by plot.py at 2018-01-16 13:33:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.46 Mbit/s

95th percentile per-packet one-way delay: 121.720 ms

Loss rate: 0.00%

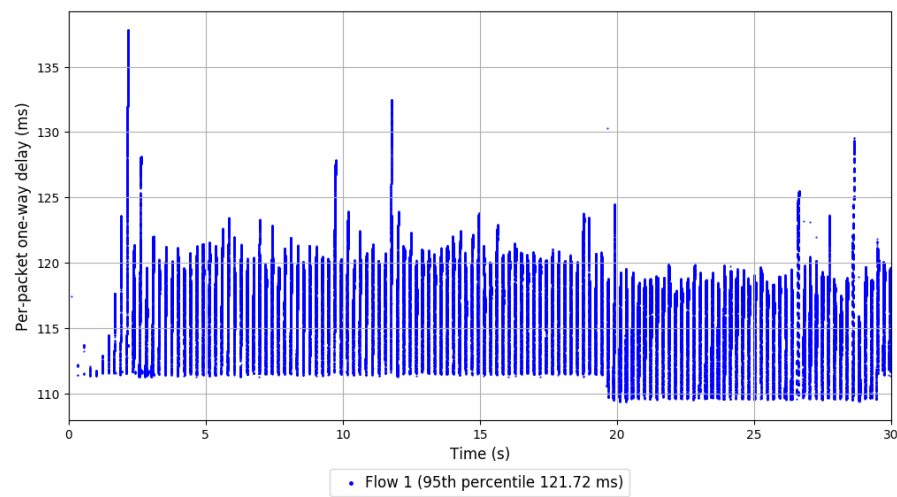
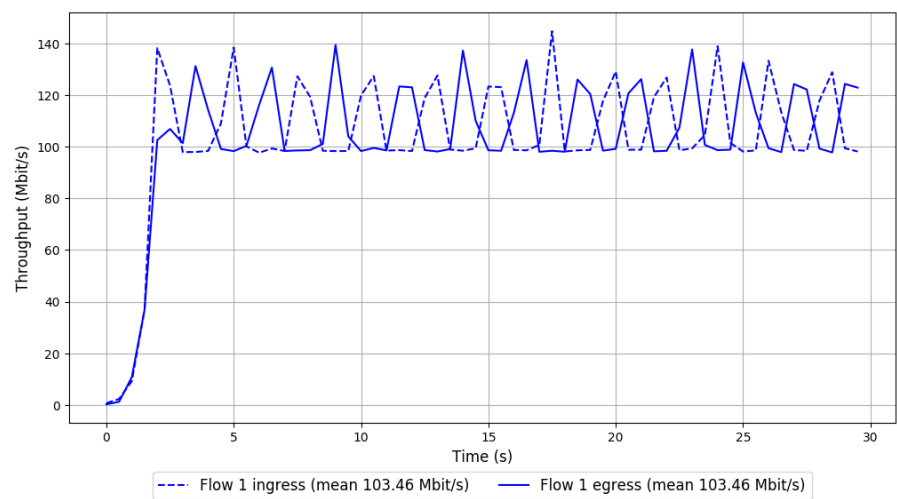
-- Flow 1:

Average throughput: 103.46 Mbit/s

95th percentile per-packet one-way delay: 121.720 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-16 12:06:17

End at: 2018-01-16 12:06:47

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.77 Mbit/s

95th percentile per-packet one-way delay: 123.696 ms

Loss rate: 0.00%

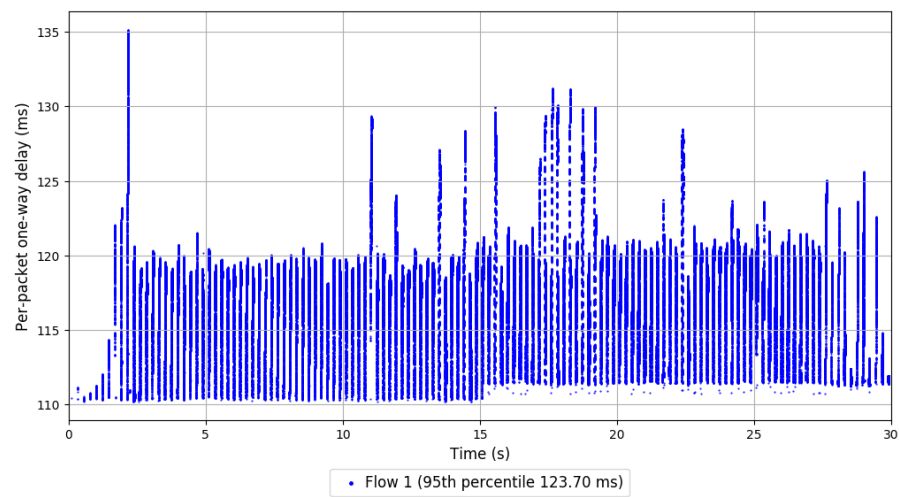
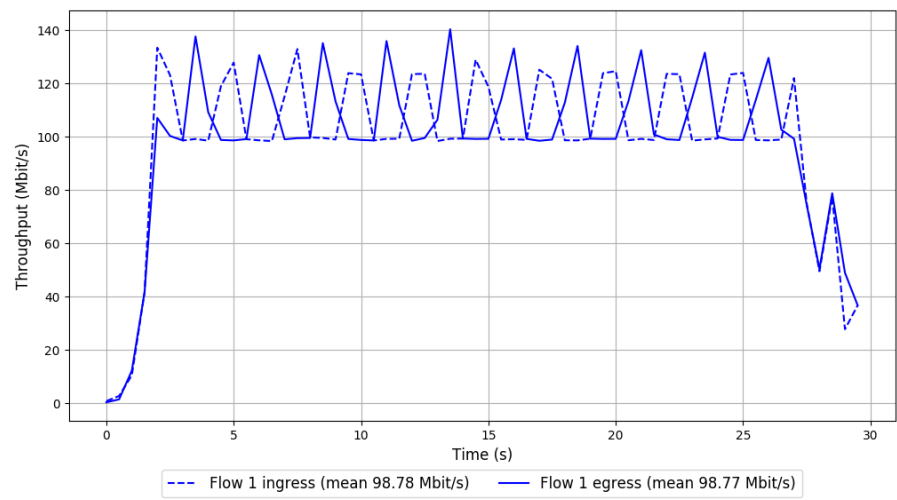
-- Flow 1:

Average throughput: 98.77 Mbit/s

95th percentile per-packet one-way delay: 123.696 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-16 12:21:56

End at: 2018-01-16 12:22:26

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.84 Mbit/s

95th percentile per-packet one-way delay: 120.536 ms

Loss rate: 0.24%

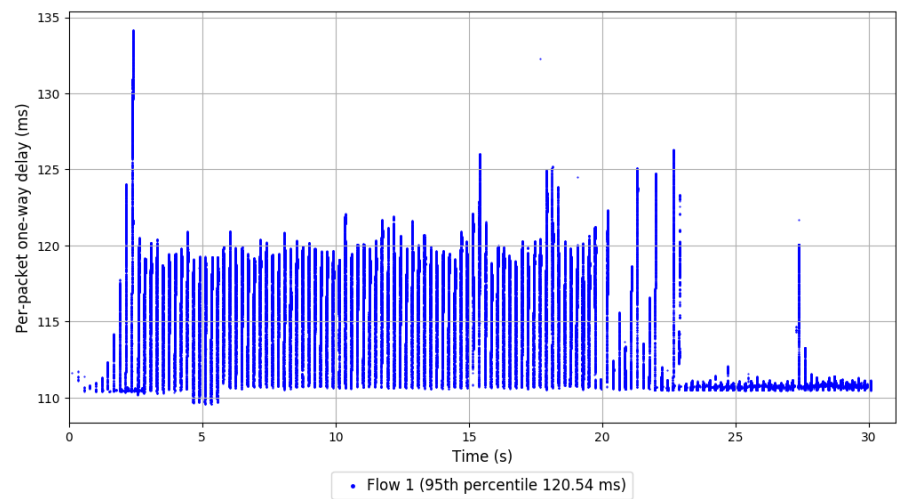
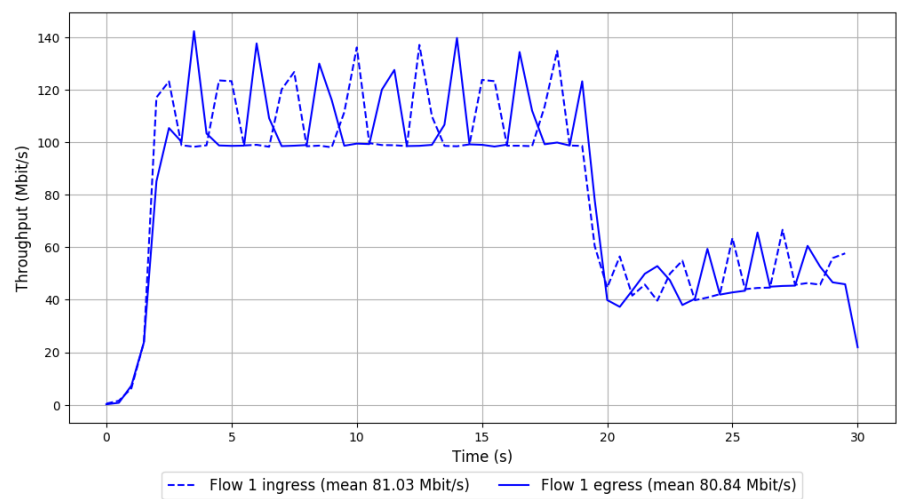
-- Flow 1:

Average throughput: 80.84 Mbit/s

95th percentile per-packet one-way delay: 120.536 ms

Loss rate: 0.24%

Run 10: Report of TCP Cubic — Data Link

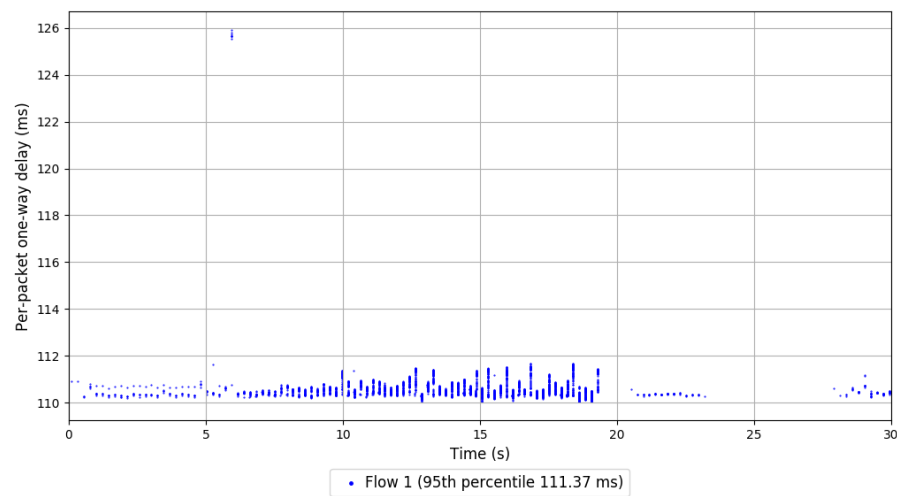
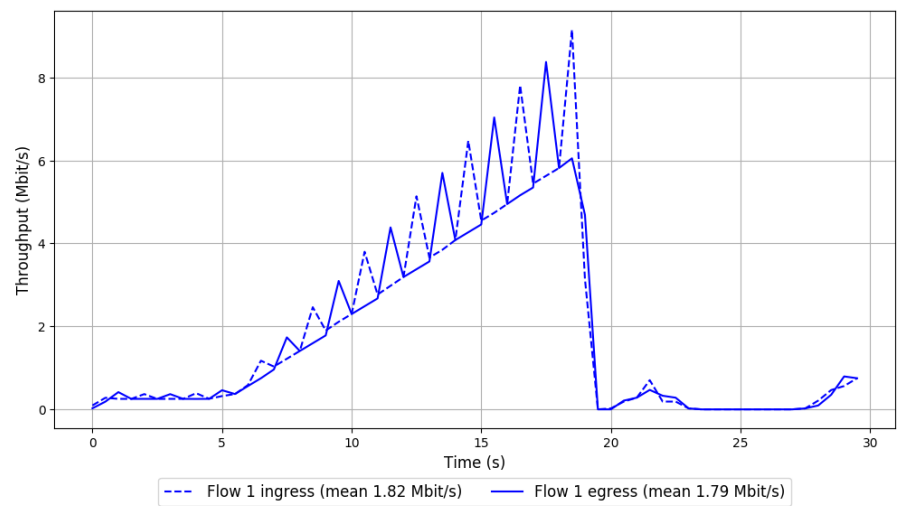


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-16 10:00:33
End at: 2018-01-16 10:01:03

# Below is generated by plot.py at 2018-01-16 13:33:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 111.372 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 111.372 ms
Loss rate: 1.43%
```


Run 1: Report of LEDBAT — Data Link

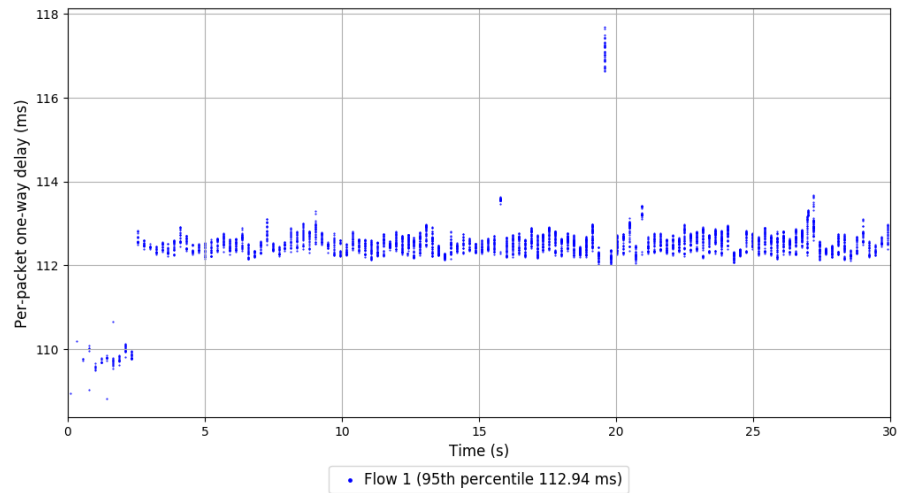
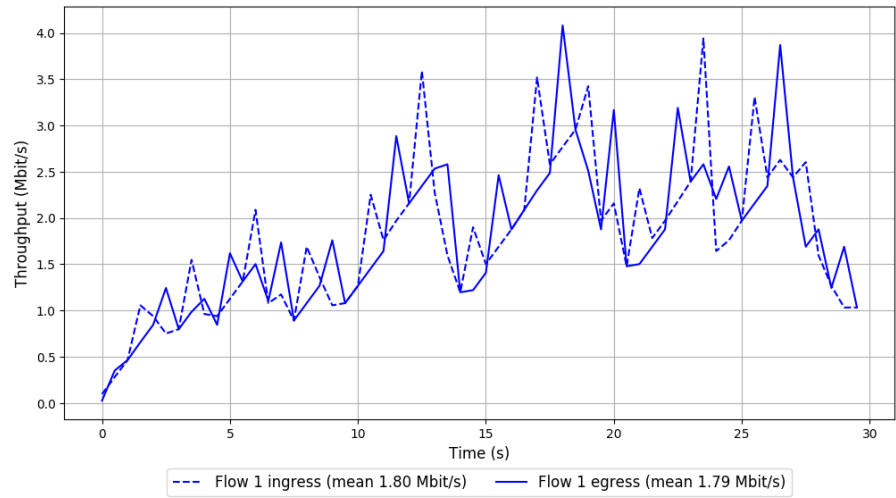


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-16 10:15:50
End at: 2018-01-16 10:16:20

# Below is generated by plot.py at 2018-01-16 13:33:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 112.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 112.940 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-16 10:30:58

End at: 2018-01-16 10:31:28

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 112.870 ms

Loss rate: 0.36%

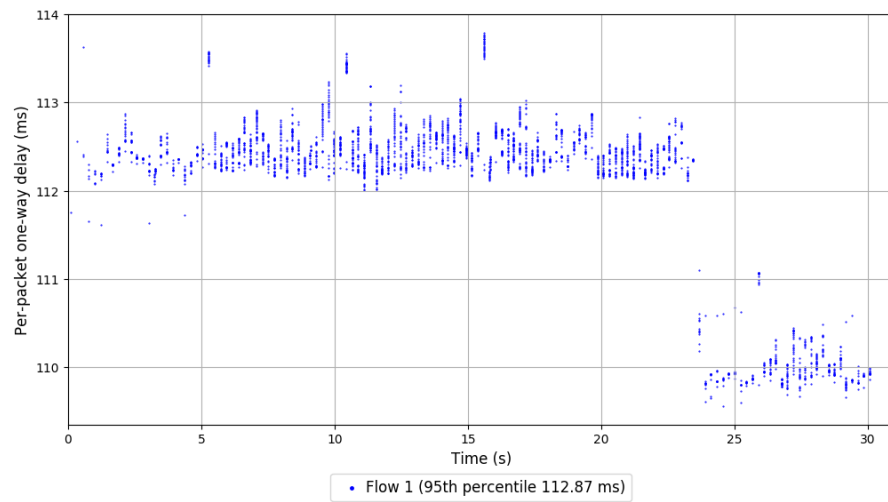
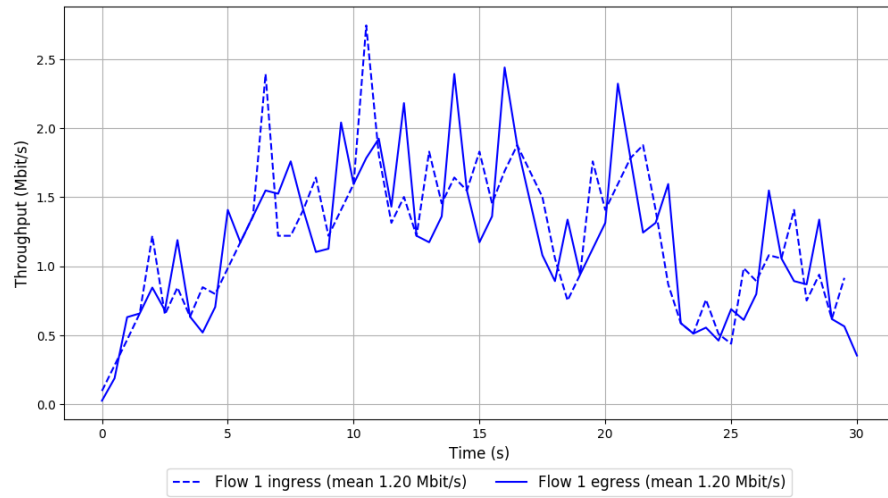
-- Flow 1:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 112.870 ms

Loss rate: 0.36%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-16 10:45:49

End at: 2018-01-16 10:46:19

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 113.166 ms

Loss rate: 2.83%

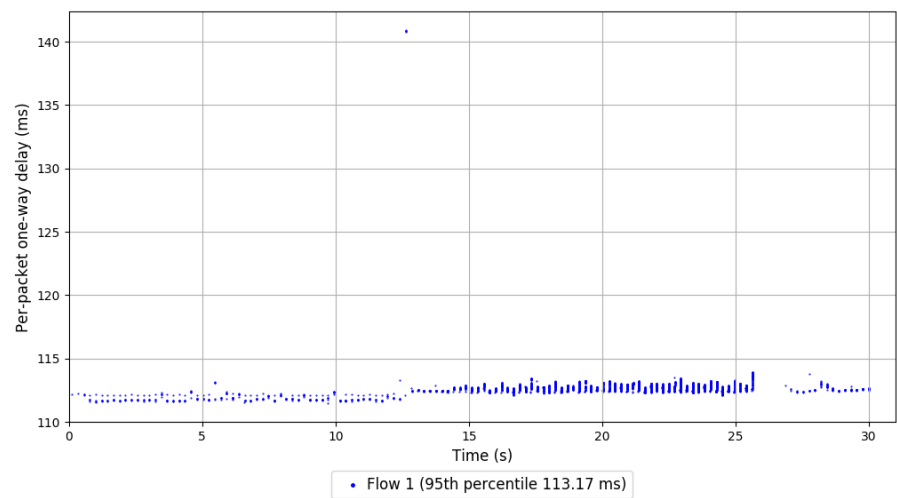
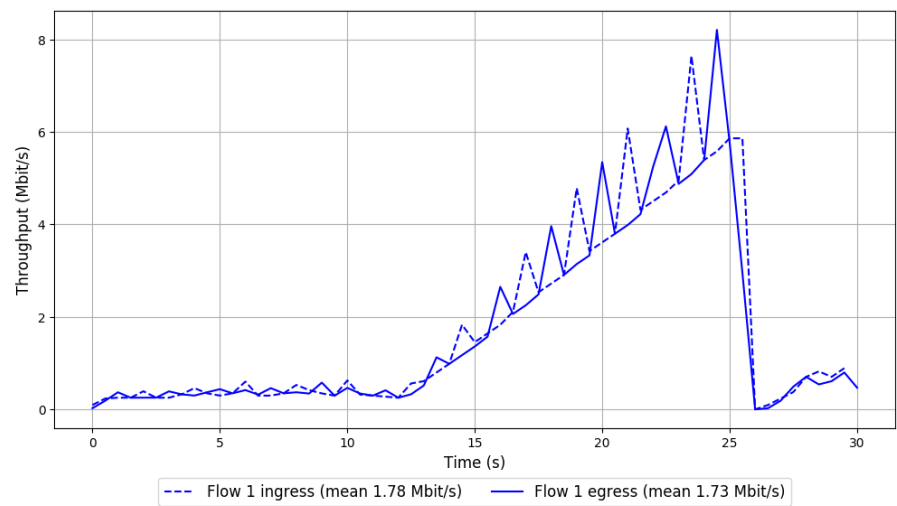
-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 113.166 ms

Loss rate: 2.83%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-16 11:00:55

End at: 2018-01-16 11:01:25

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 113.368 ms

Loss rate: 0.00%

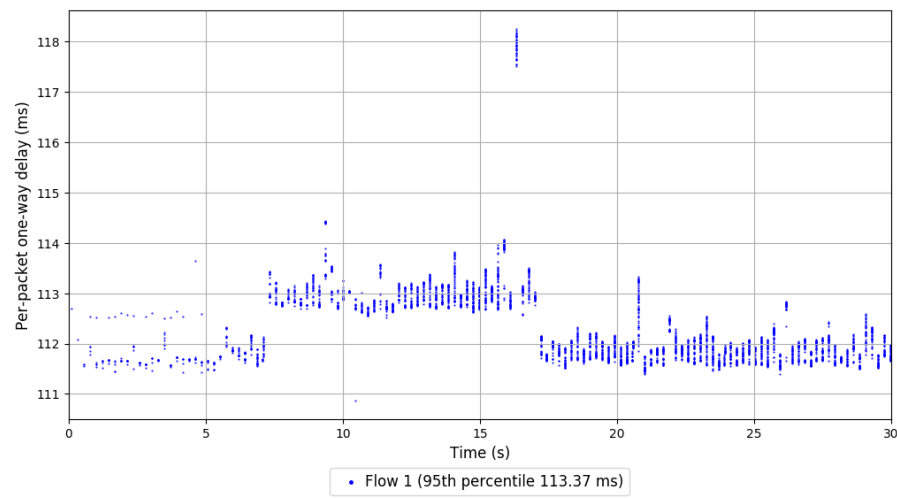
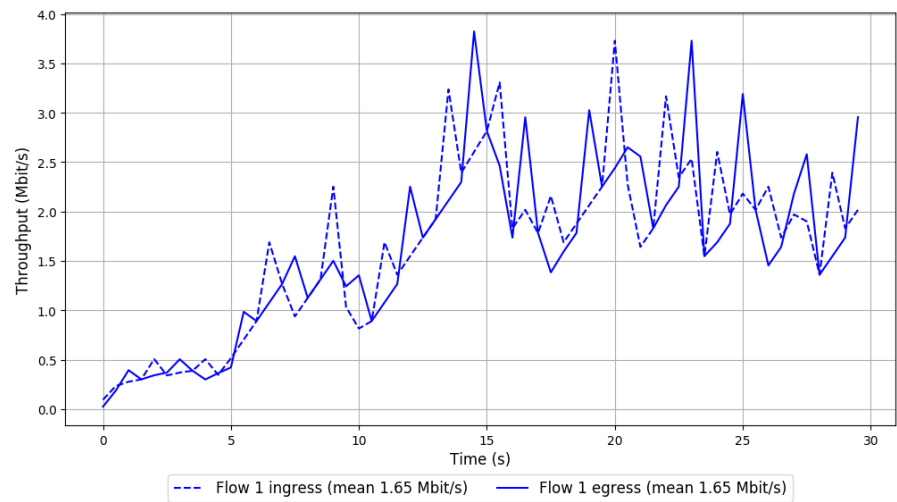
-- Flow 1:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 113.368 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-16 11:15:42

End at: 2018-01-16 11:16:13

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 114.956 ms

Loss rate: 0.00%

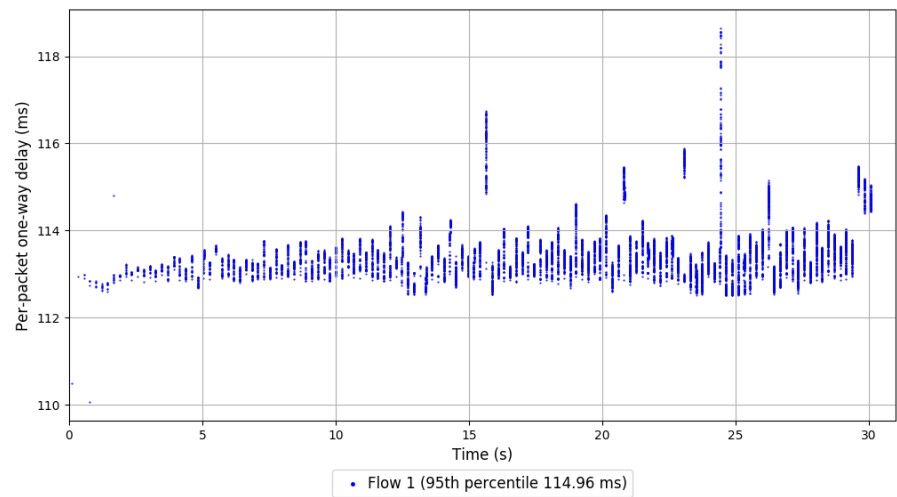
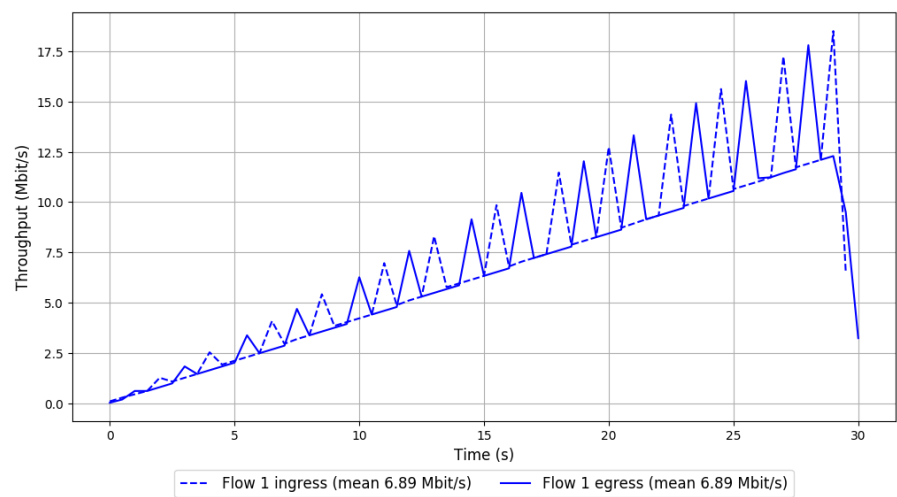
-- Flow 1:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 114.956 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-16 11:30:31

End at: 2018-01-16 11:31:01

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 115.495 ms

Loss rate: 0.66%

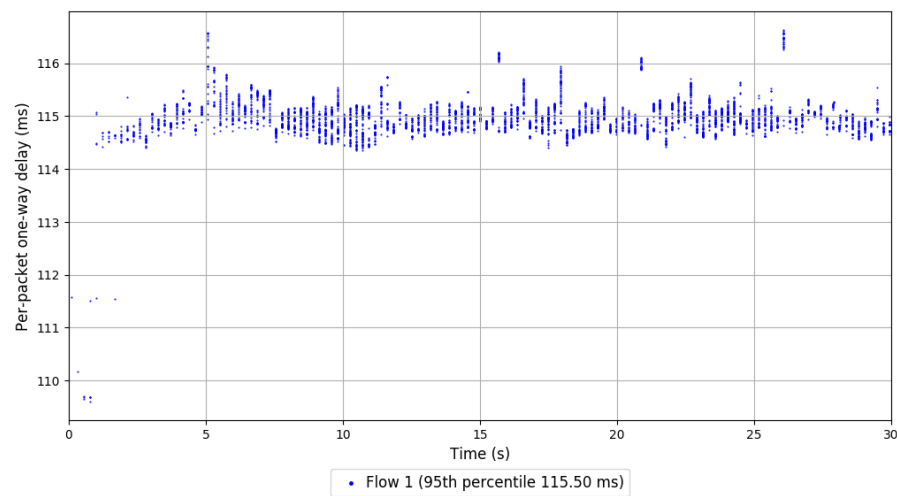
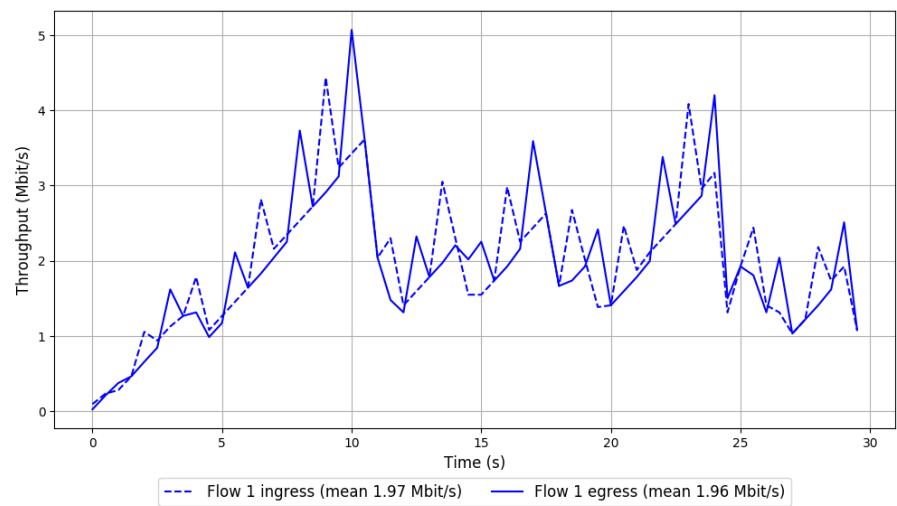
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 115.495 ms

Loss rate: 0.66%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-16 11:45:17

End at: 2018-01-16 11:45:47

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 111.752 ms

Loss rate: 0.02%

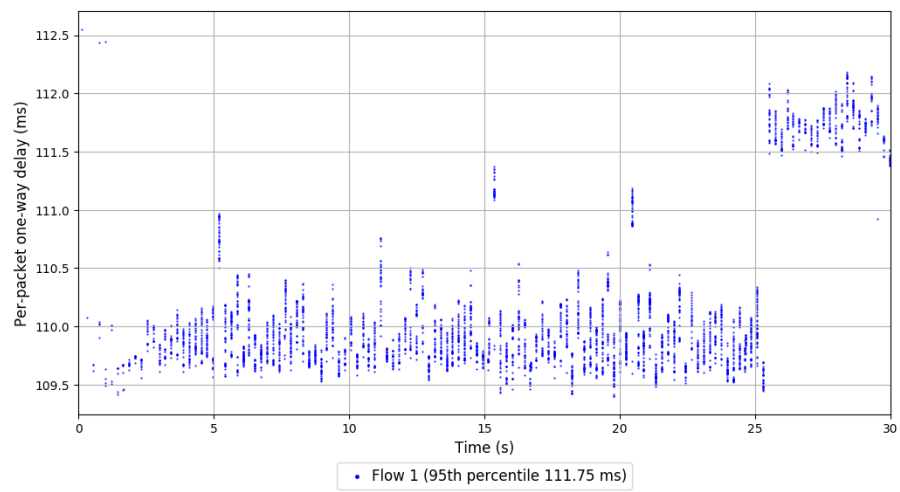
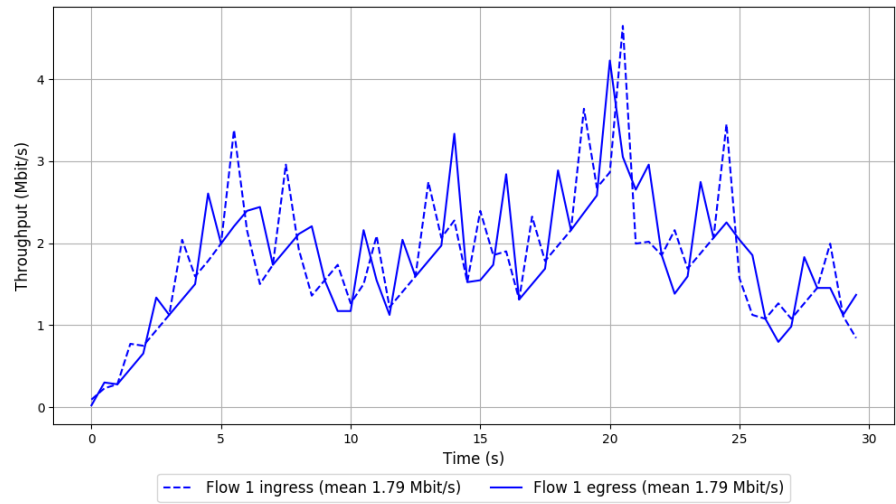
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 111.752 ms

Loss rate: 0.02%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-16 12:00:41

End at: 2018-01-16 12:01:11

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 113.291 ms

Loss rate: 0.00%

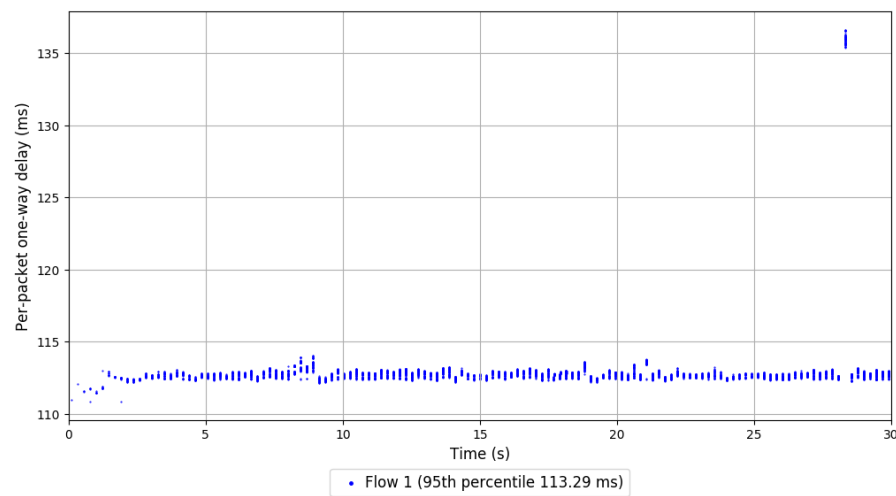
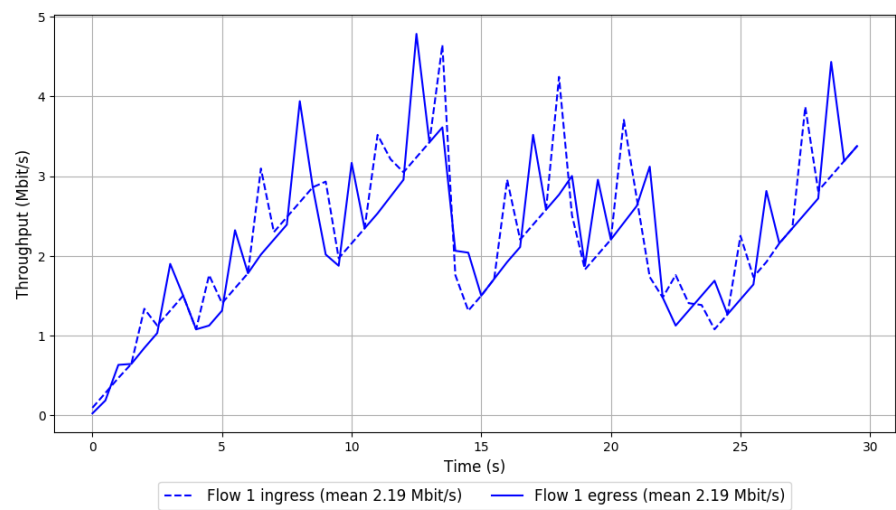
-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 113.291 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-16 12:16:10

End at: 2018-01-16 12:16:40

Below is generated by plot.py at 2018-01-16 13:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 111.217 ms

Loss rate: 0.00%

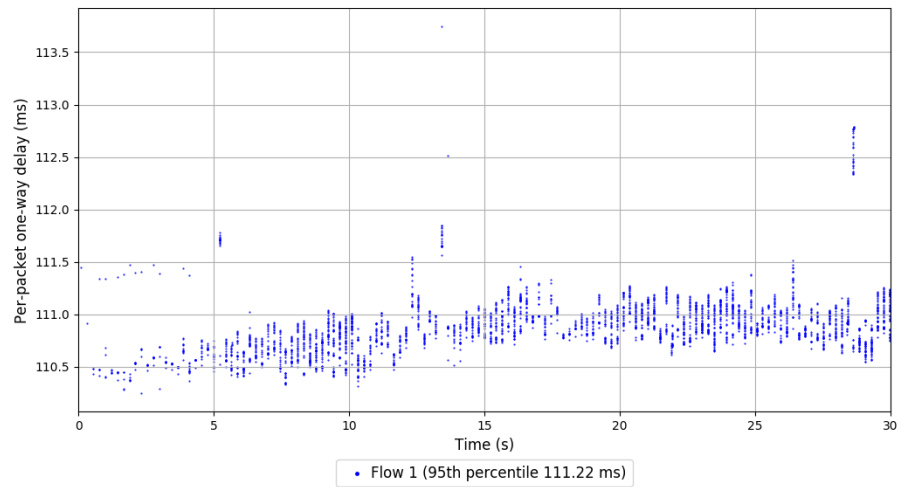
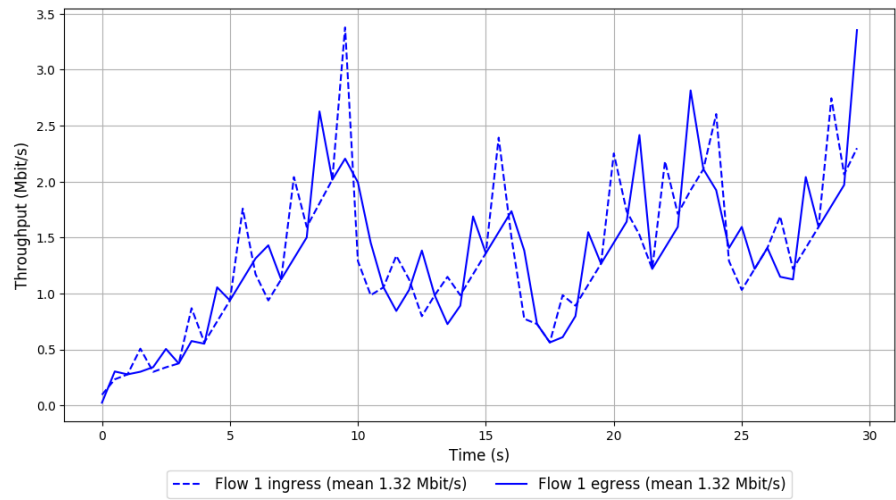
-- Flow 1:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 111.217 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

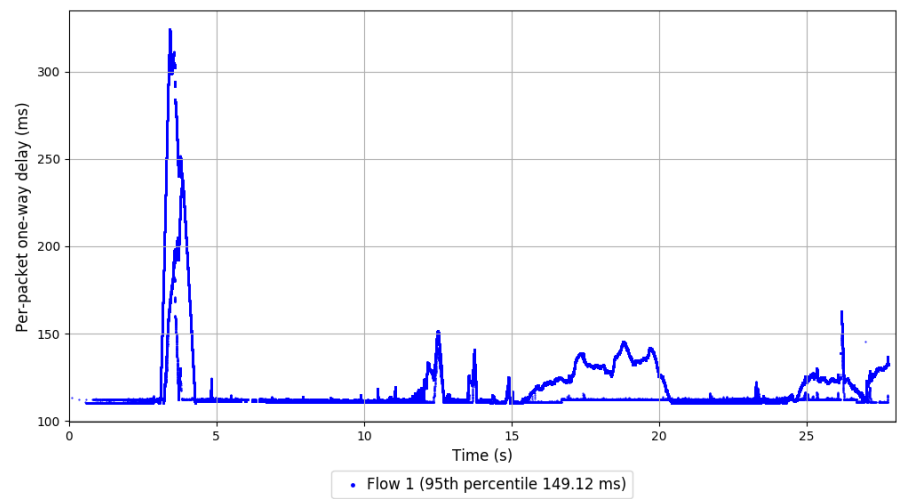
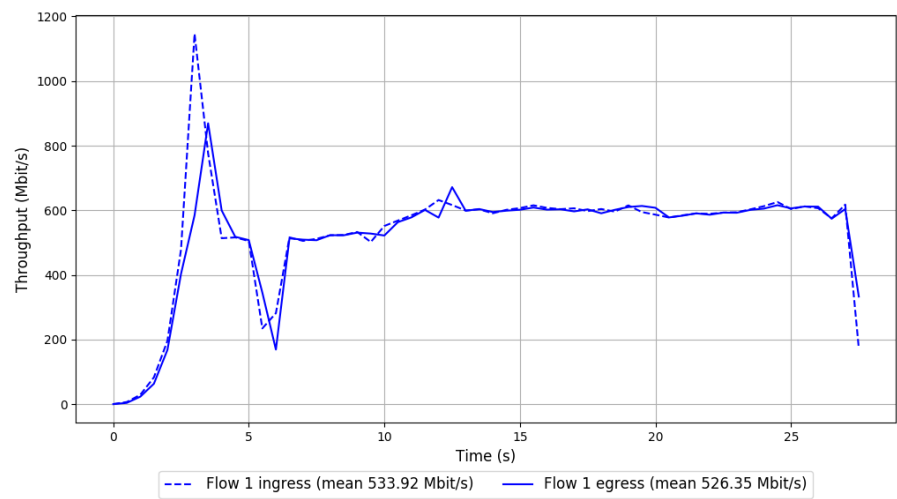


```
Run 1: Statistics of PCC

Start at: 2018-01-16 09:57:55
End at: 2018-01-16 09:58:25

# Below is generated by plot.py at 2018-01-16 13:40:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 526.35 Mbit/s
95th percentile per-packet one-way delay: 149.120 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 526.35 Mbit/s
95th percentile per-packet one-way delay: 149.120 ms
Loss rate: 1.35%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-16 10:13:09

End at: 2018-01-16 10:13:39

Below is generated by plot.py at 2018-01-16 13:41:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 534.00 Mbit/s

95th percentile per-packet one-way delay: 160.933 ms

Loss rate: 2.04%

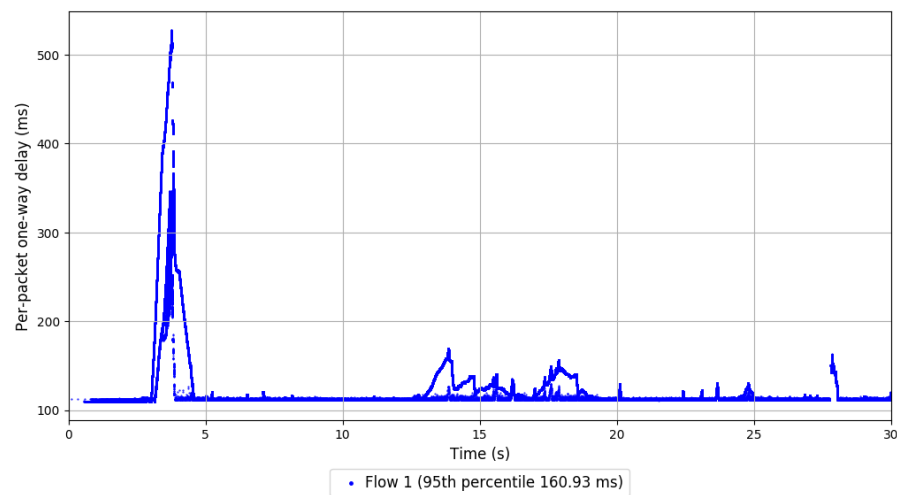
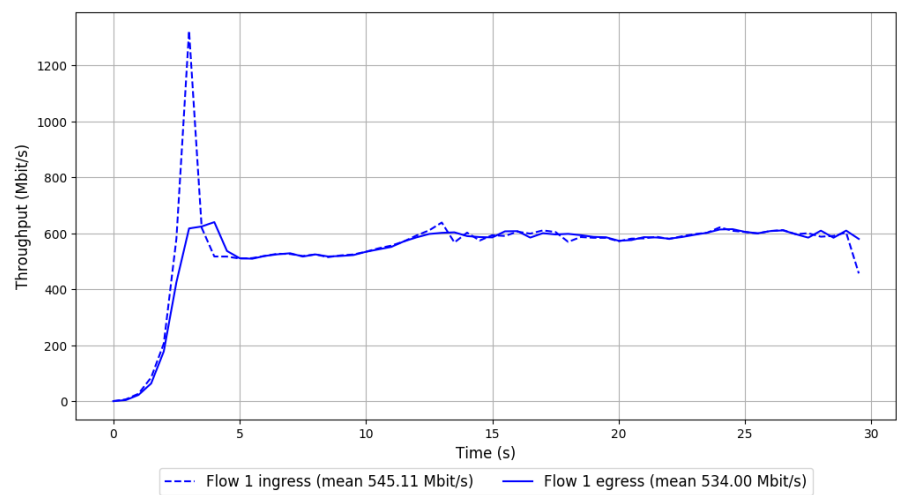
-- Flow 1:

Average throughput: 534.00 Mbit/s

95th percentile per-packet one-way delay: 160.933 ms

Loss rate: 2.04%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-16 10:28:17

End at: 2018-01-16 10:28:47

Below is generated by plot.py at 2018-01-16 13:41:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.55 Mbit/s

95th percentile per-packet one-way delay: 218.354 ms

Loss rate: 2.03%

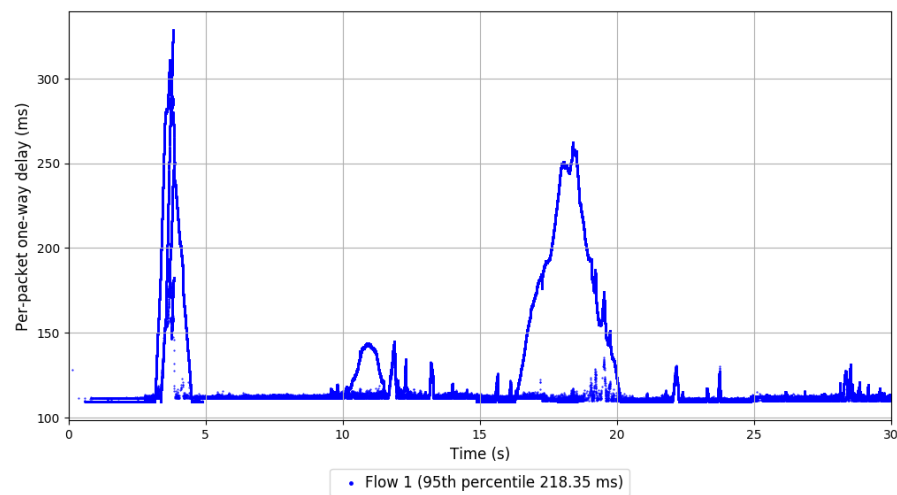
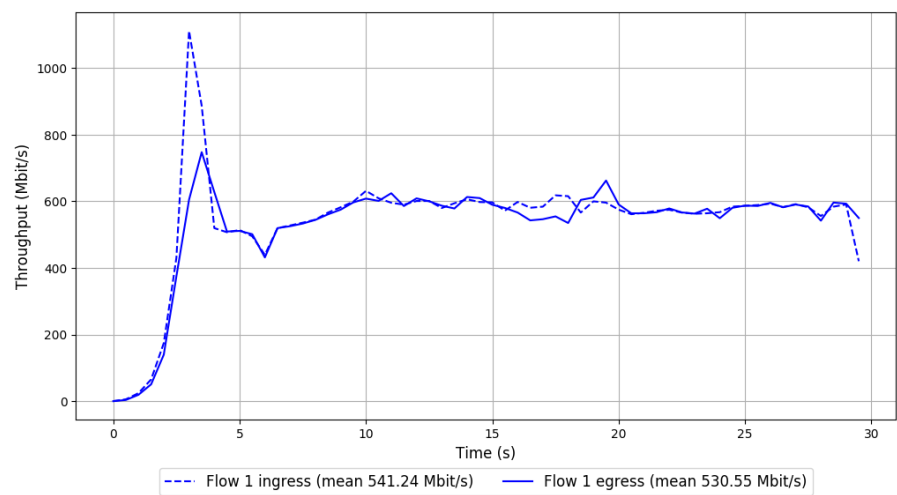
-- Flow 1:

Average throughput: 530.55 Mbit/s

95th percentile per-packet one-way delay: 218.354 ms

Loss rate: 2.03%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-16 10:43:22

End at: 2018-01-16 10:43:52

Below is generated by plot.py at 2018-01-16 13:41:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.48 Mbit/s

95th percentile per-packet one-way delay: 136.473 ms

Loss rate: 0.01%

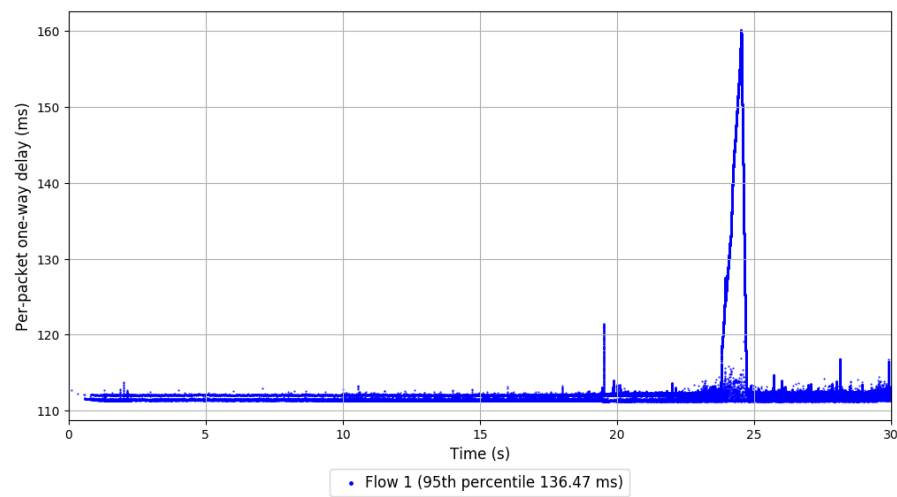
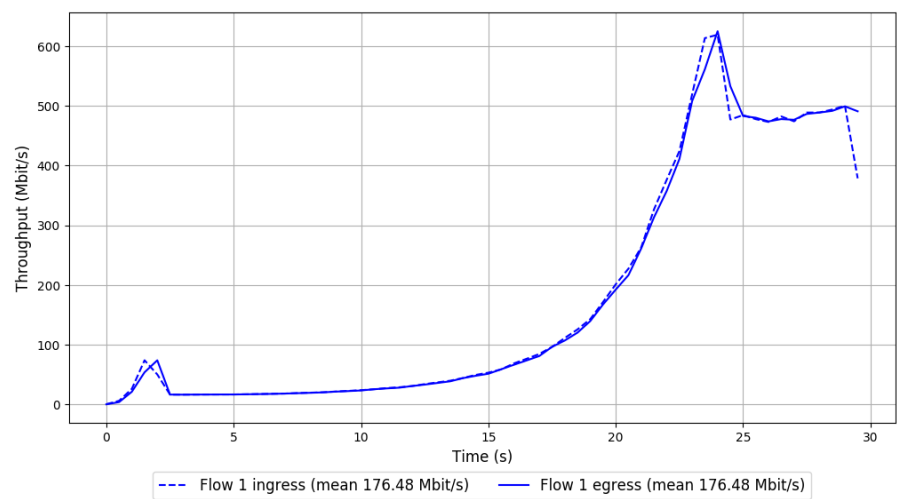
-- Flow 1:

Average throughput: 176.48 Mbit/s

95th percentile per-packet one-way delay: 136.473 ms

Loss rate: 0.01%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-16 10:58:14

End at: 2018-01-16 10:58:44

Below is generated by plot.py at 2018-01-16 13:41:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.41 Mbit/s

95th percentile per-packet one-way delay: 212.850 ms

Loss rate: 1.37%

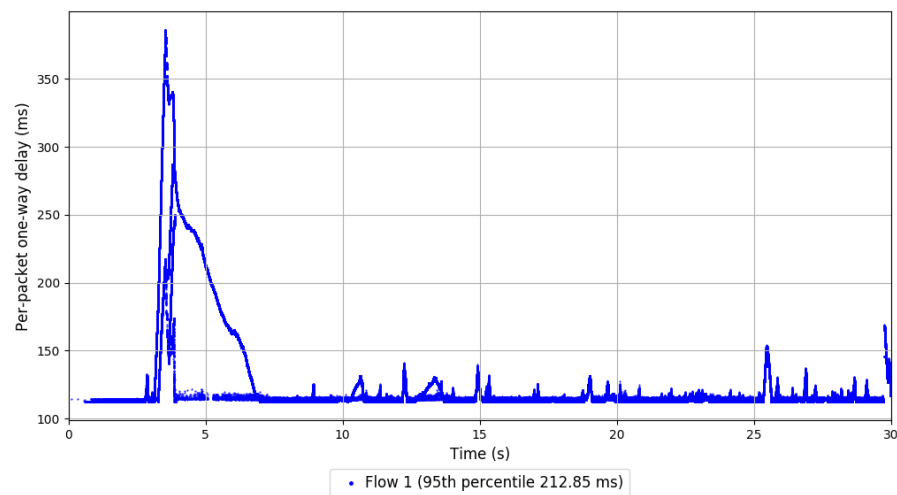
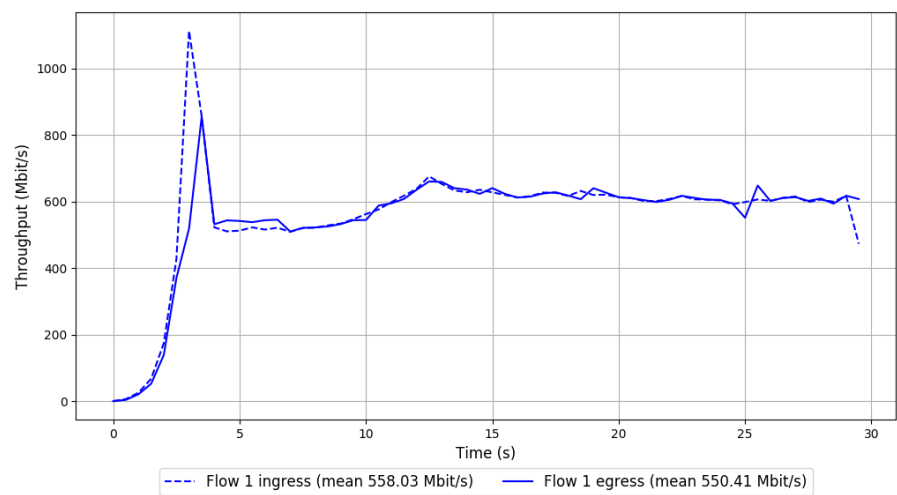
-- Flow 1:

Average throughput: 550.41 Mbit/s

95th percentile per-packet one-way delay: 212.850 ms

Loss rate: 1.37%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-16 11:13:04

End at: 2018-01-16 11:13:34

Below is generated by plot.py at 2018-01-16 13:41:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.93 Mbit/s

95th percentile per-packet one-way delay: 213.209 ms

Loss rate: 2.37%

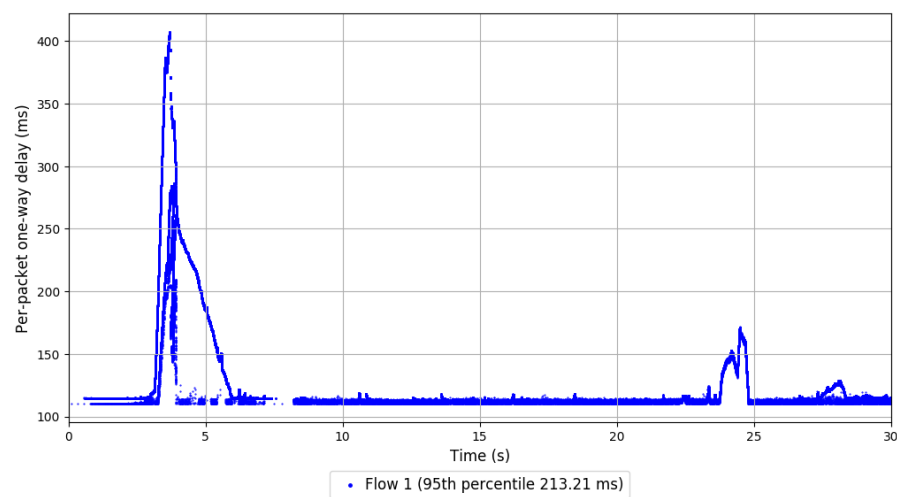
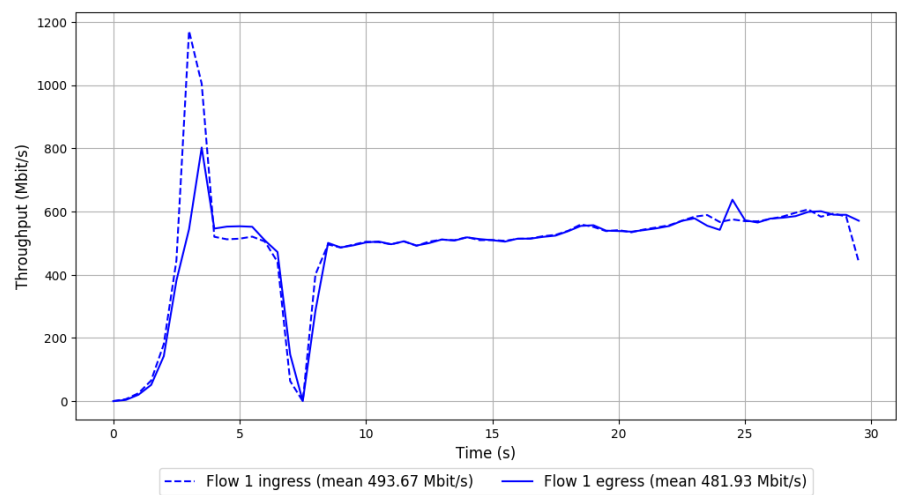
-- Flow 1:

Average throughput: 481.93 Mbit/s

95th percentile per-packet one-way delay: 213.209 ms

Loss rate: 2.37%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-16 11:27:55

End at: 2018-01-16 11:28:25

Below is generated by plot.py at 2018-01-16 13:41:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.16 Mbit/s

95th percentile per-packet one-way delay: 261.630 ms

Loss rate: 3.62%

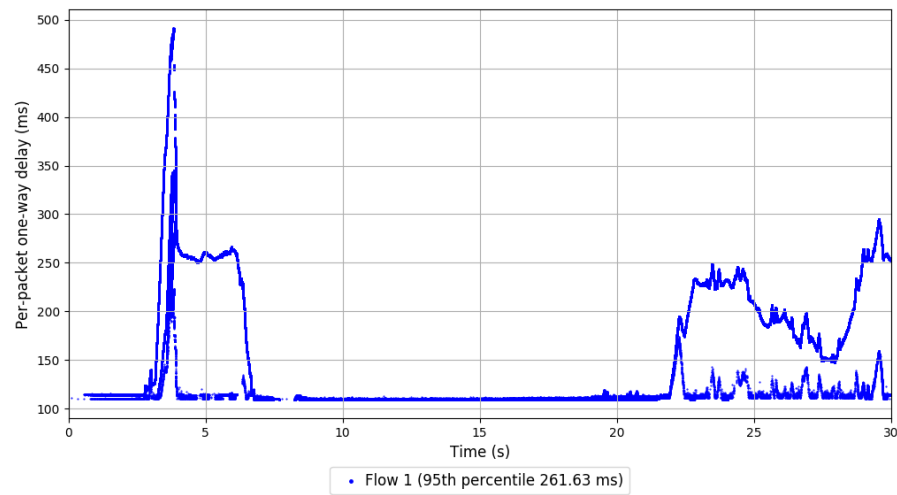
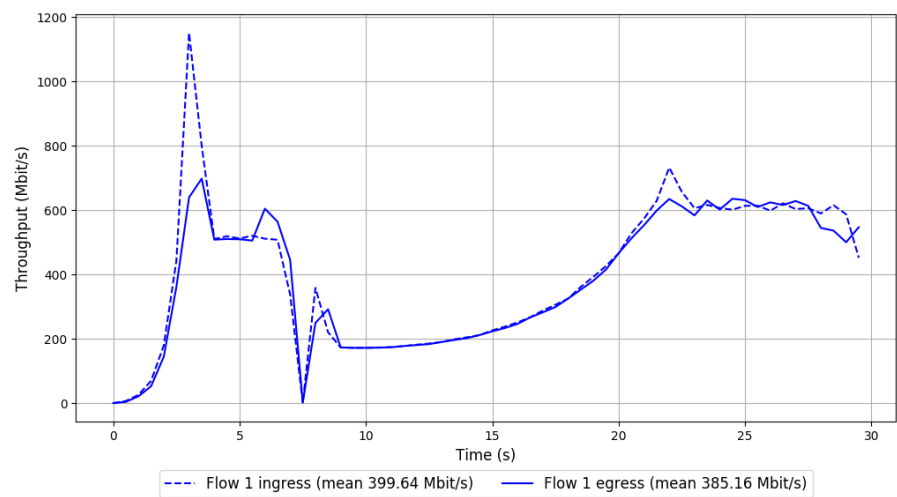
-- Flow 1:

Average throughput: 385.16 Mbit/s

95th percentile per-packet one-way delay: 261.630 ms

Loss rate: 3.62%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-16 11:42:35

End at: 2018-01-16 11:43:05

Below is generated by plot.py at 2018-01-16 13:42:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.37 Mbit/s

95th percentile per-packet one-way delay: 250.121 ms

Loss rate: 4.80%

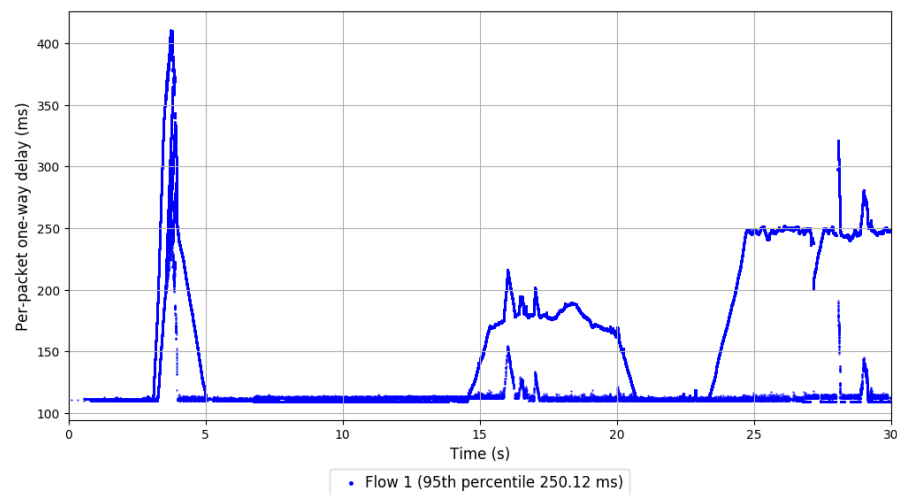
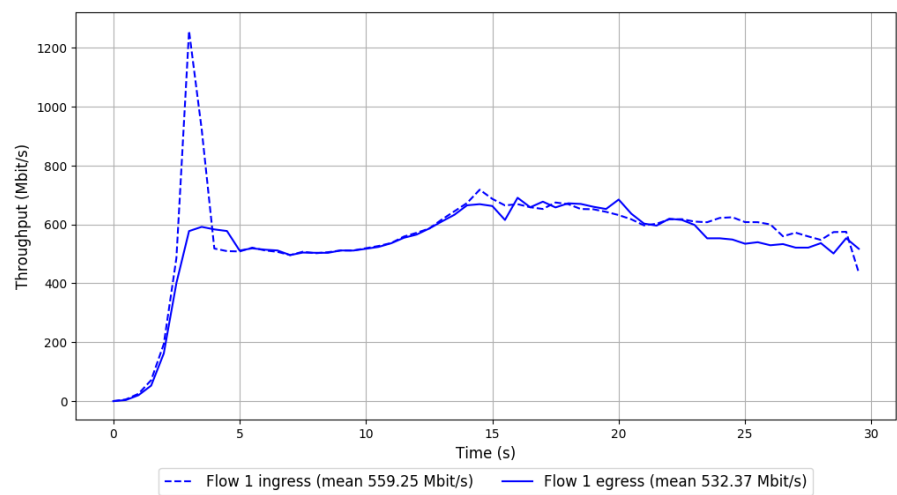
-- Flow 1:

Average throughput: 532.37 Mbit/s

95th percentile per-packet one-way delay: 250.121 ms

Loss rate: 4.80%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-16 11:58:01

End at: 2018-01-16 11:58:31

Below is generated by plot.py at 2018-01-16 13:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.95 Mbit/s

95th percentile per-packet one-way delay: 194.330 ms

Loss rate: 1.74%

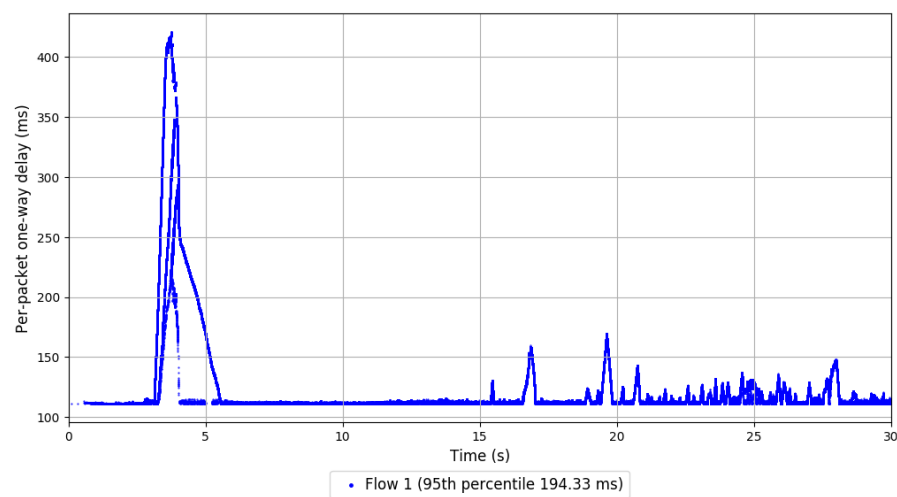
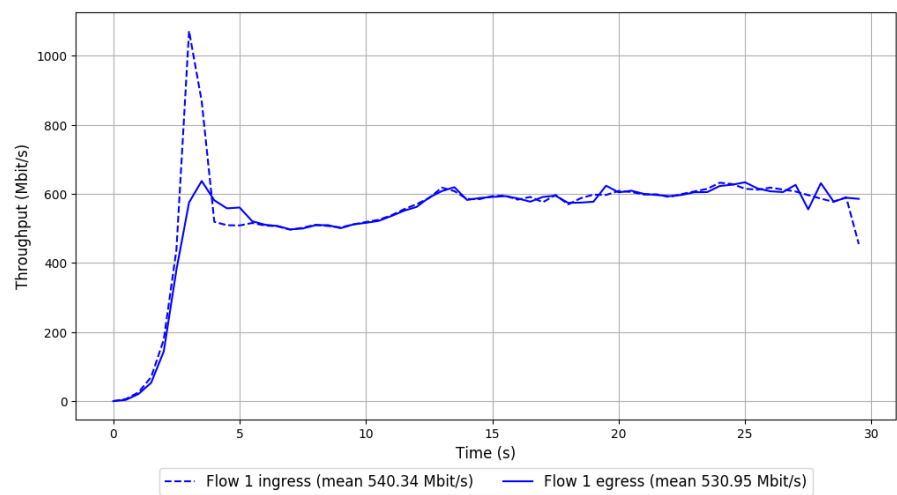
-- Flow 1:

Average throughput: 530.95 Mbit/s

95th percentile per-packet one-way delay: 194.330 ms

Loss rate: 1.74%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-16 12:13:31

End at: 2018-01-16 12:14:01

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 507.98 Mbit/s

95th percentile per-packet one-way delay: 253.024 ms

Loss rate: 3.66%

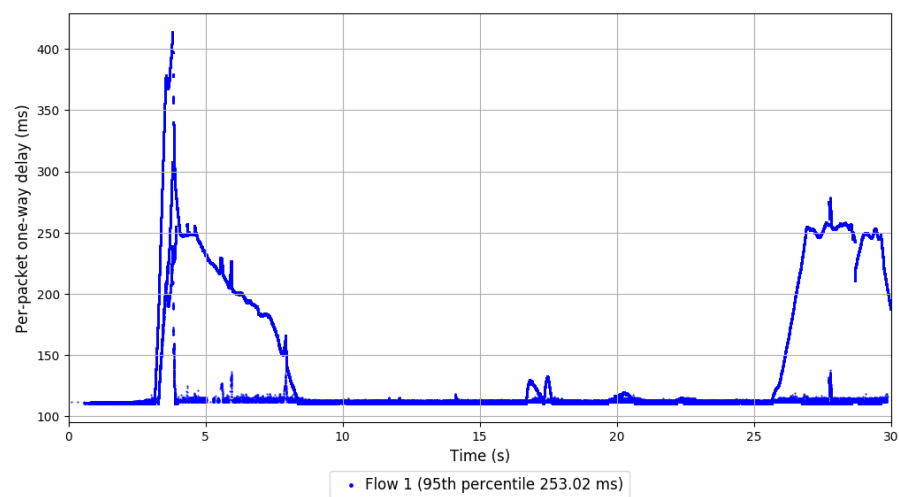
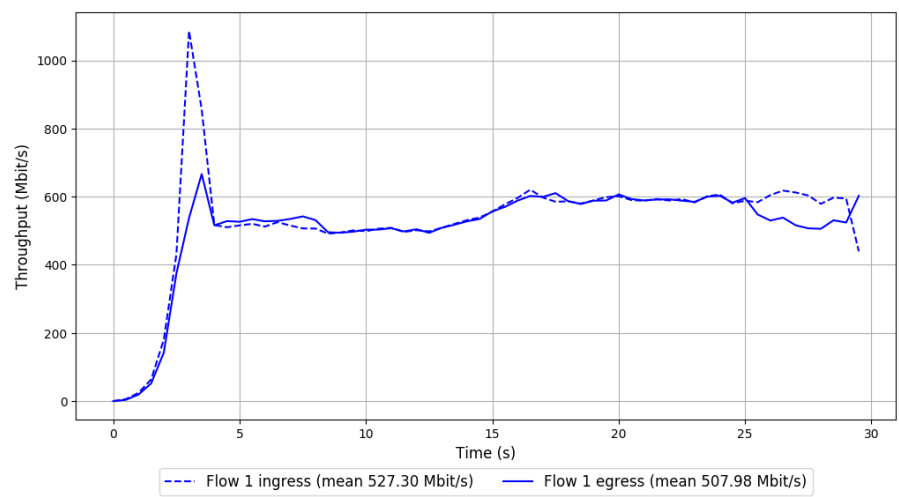
-- Flow 1:

Average throughput: 507.98 Mbit/s

95th percentile per-packet one-way delay: 253.024 ms

Loss rate: 3.66%

Run 10: Report of PCC — Data Link

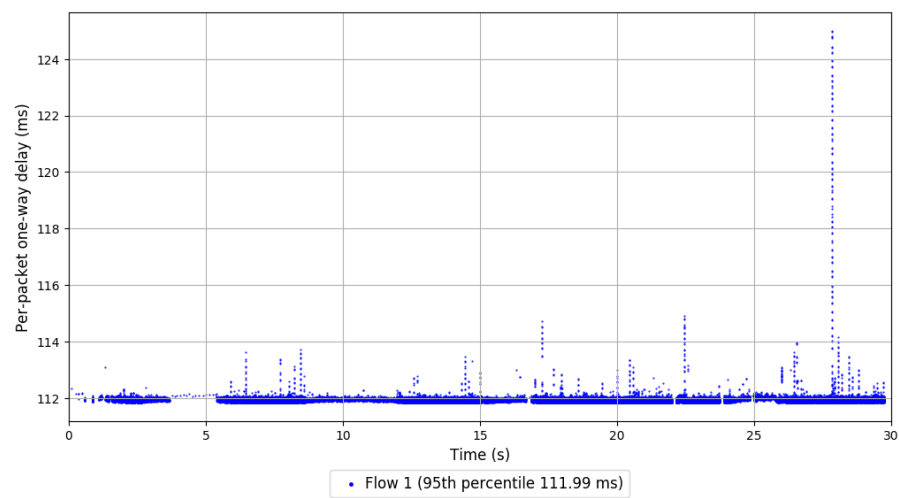
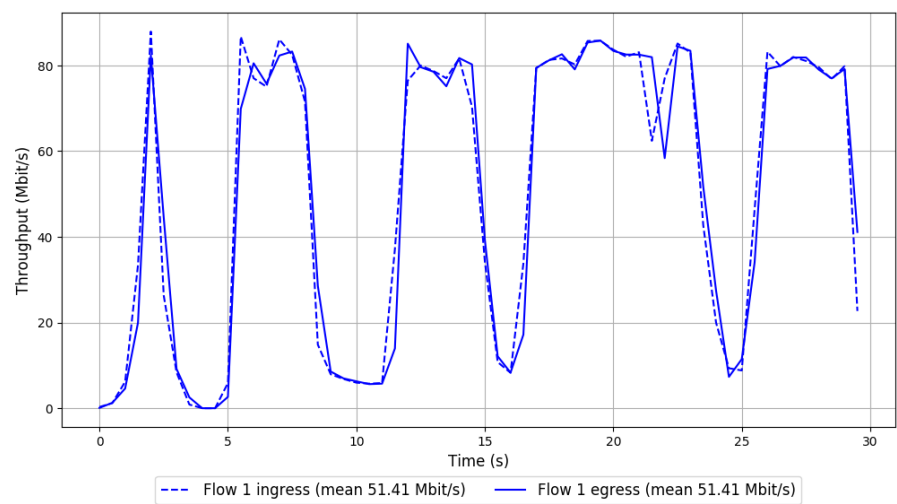


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 10:05:32
End at: 2018-01-16 10:06:02

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.41 Mbit/s
95th percentile per-packet one-way delay: 111.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.41 Mbit/s
95th percentile per-packet one-way delay: 111.988 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 10:20:44

End at: 2018-01-16 10:21:14

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.29 Mbit/s

95th percentile per-packet one-way delay: 111.477 ms

Loss rate: 0.00%

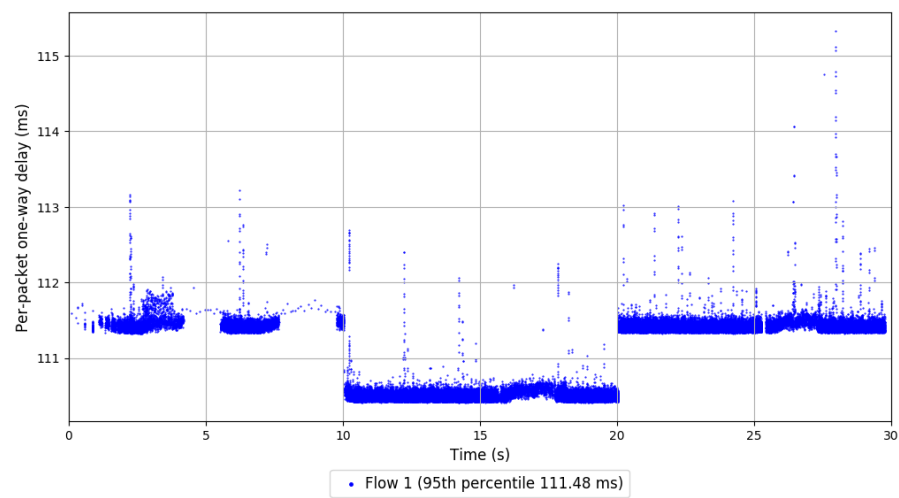
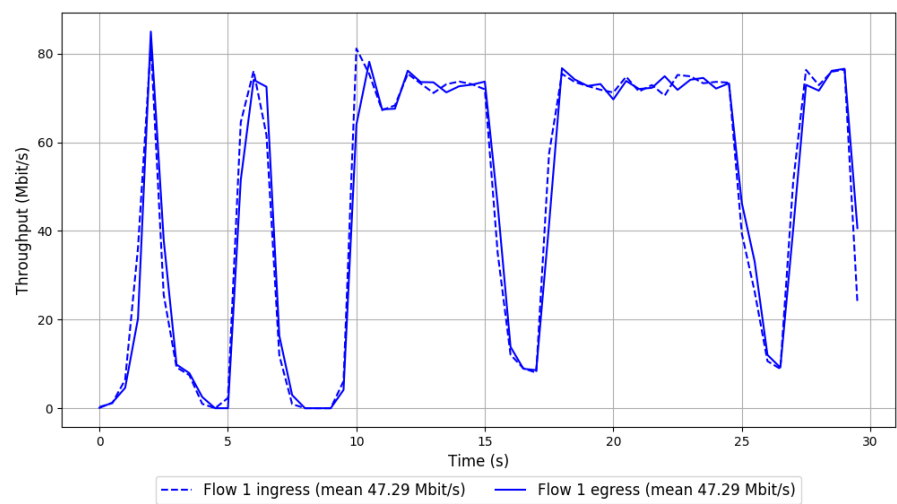
-- Flow 1:

Average throughput: 47.29 Mbit/s

95th percentile per-packet one-way delay: 111.477 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-16 10:35:56

End at: 2018-01-16 10:36:26

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.59 Mbit/s

95th percentile per-packet one-way delay: 112.039 ms

Loss rate: 0.00%

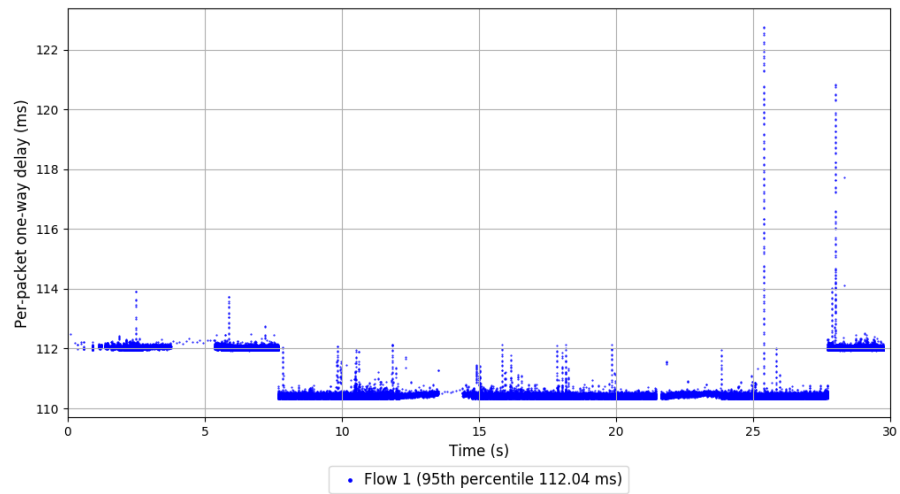
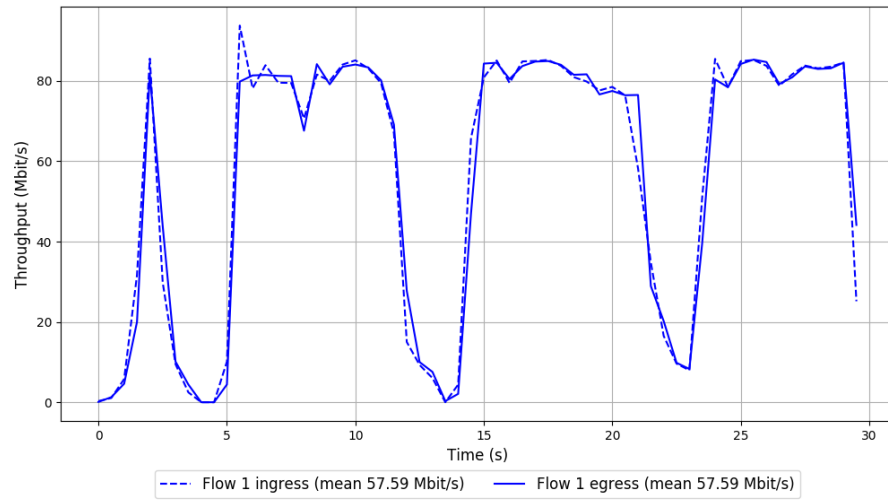
-- Flow 1:

Average throughput: 57.59 Mbit/s

95th percentile per-packet one-way delay: 112.039 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-16 10:50:43

End at: 2018-01-16 10:51:13

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.95 Mbit/s

95th percentile per-packet one-way delay: 111.284 ms

Loss rate: 0.00%

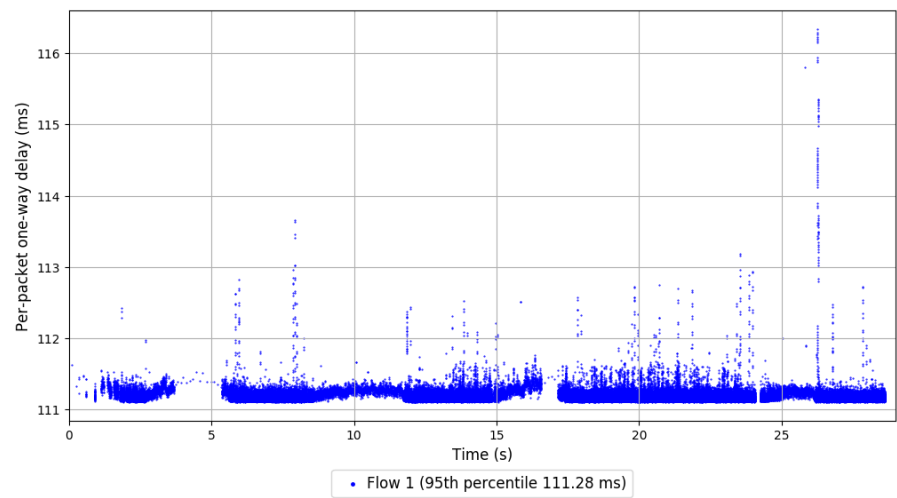
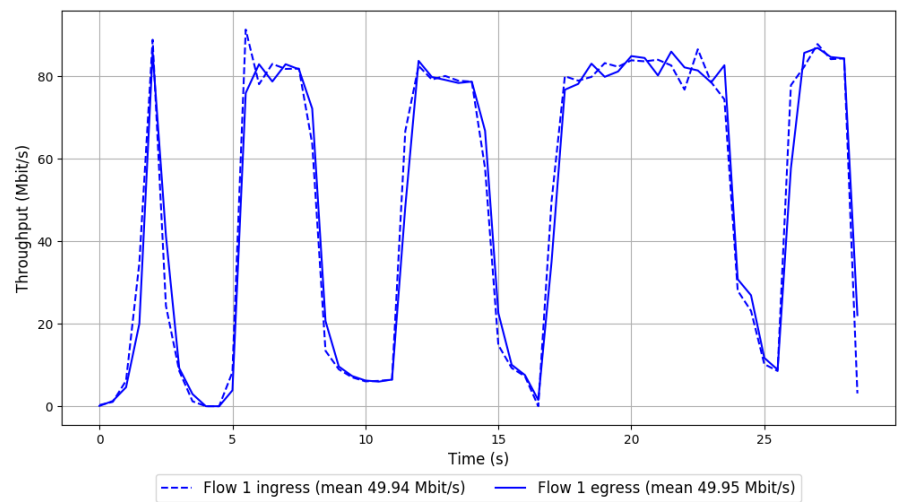
-- Flow 1:

Average throughput: 49.95 Mbit/s

95th percentile per-packet one-way delay: 111.284 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

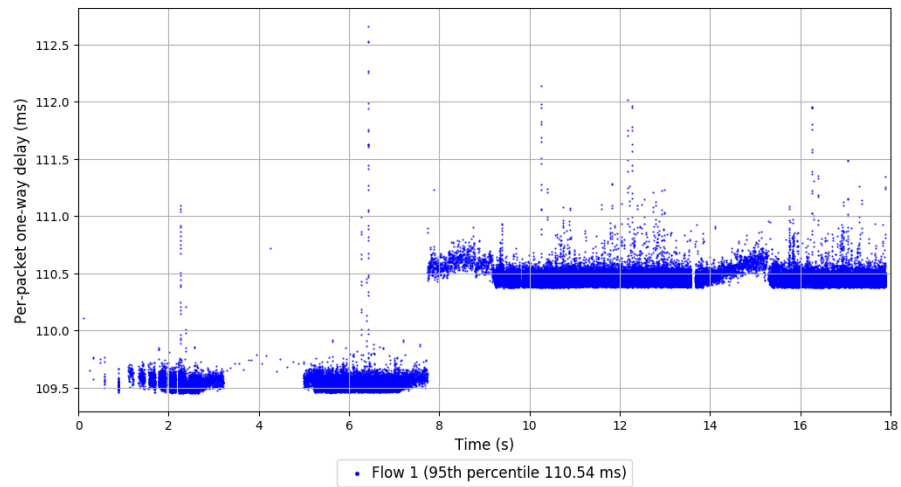
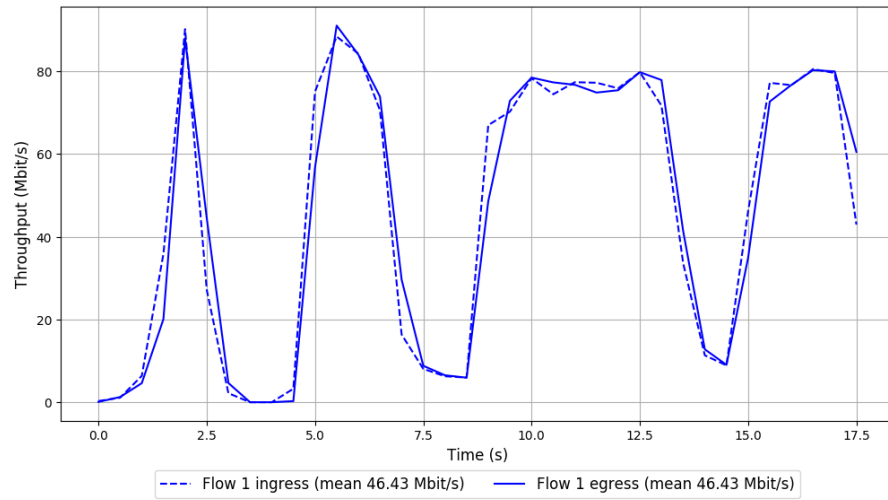


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-16 11:05:52

End at: 2018-01-16 11:06:22

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-16 11:20:30

End at: 2018-01-16 11:21:00

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.02 Mbit/s

95th percentile per-packet one-way delay: 112.101 ms

Loss rate: 0.00%

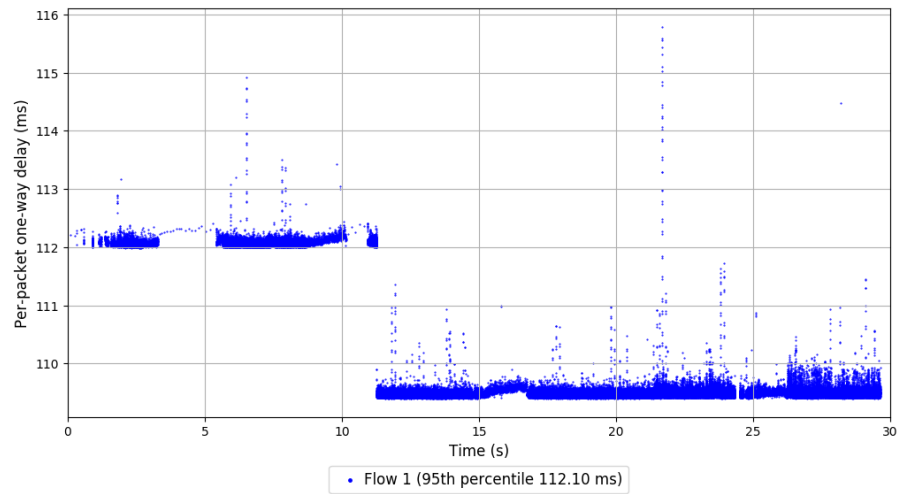
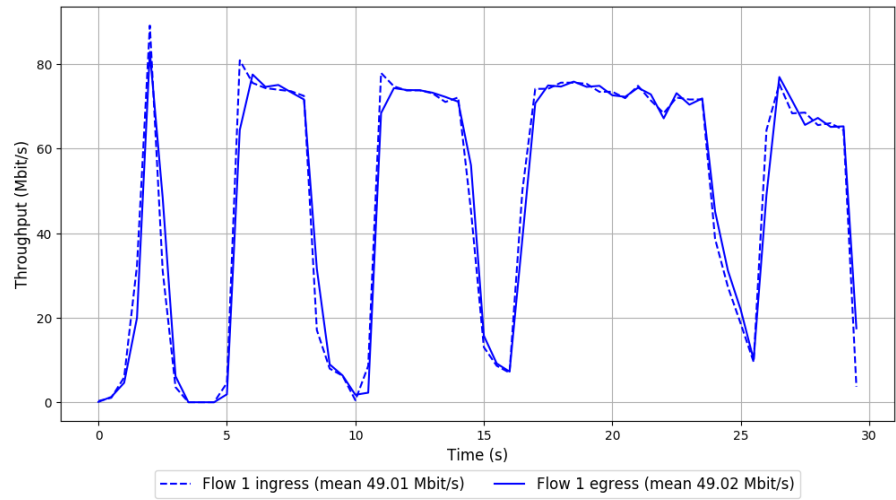
-- Flow 1:

Average throughput: 49.02 Mbit/s

95th percentile per-packet one-way delay: 112.101 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-16 11:35:10

End at: 2018-01-16 11:35:40

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 112.259 ms

Loss rate: 0.00%

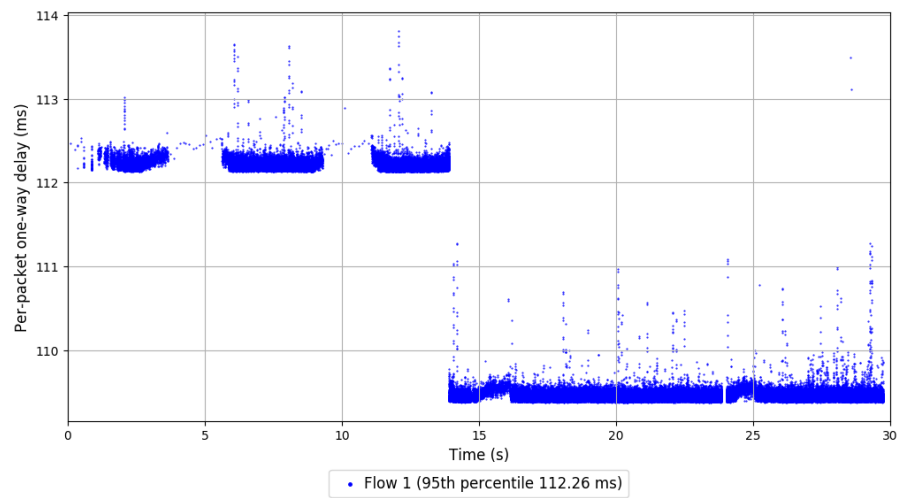
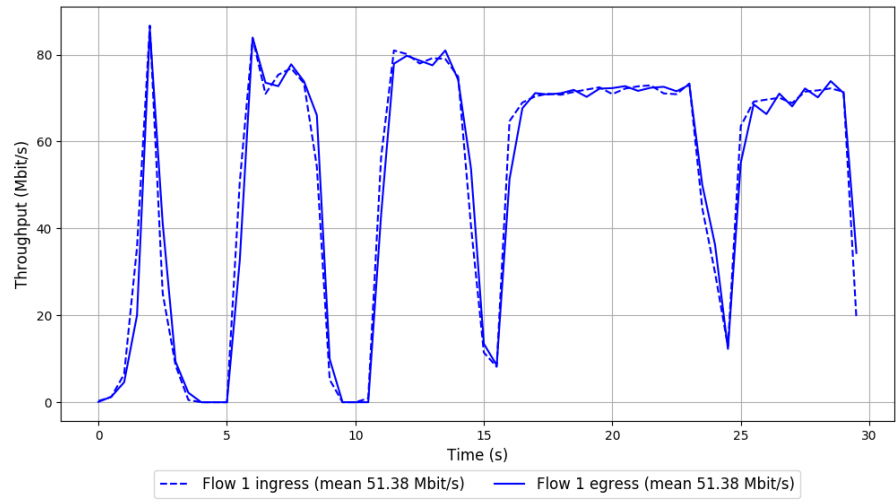
-- Flow 1:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 112.259 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-16 11:50:09

End at: 2018-01-16 11:50:39

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.49 Mbit/s

95th percentile per-packet one-way delay: 109.697 ms

Loss rate: 0.00%

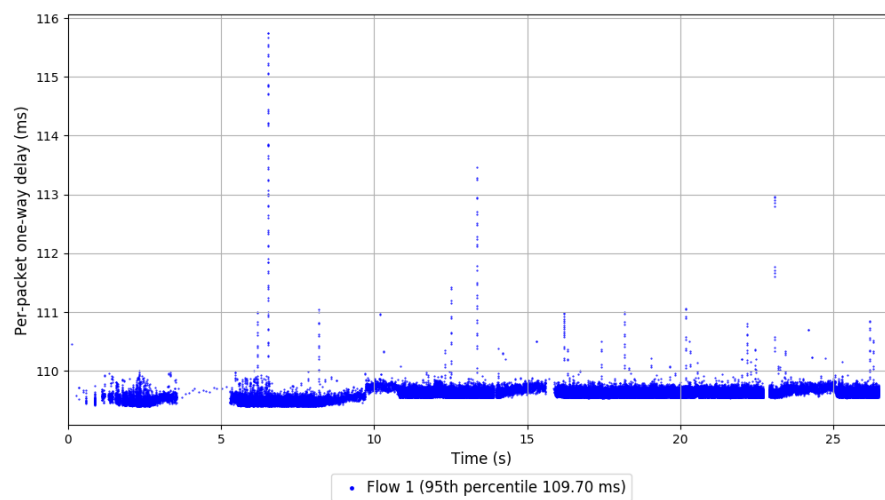
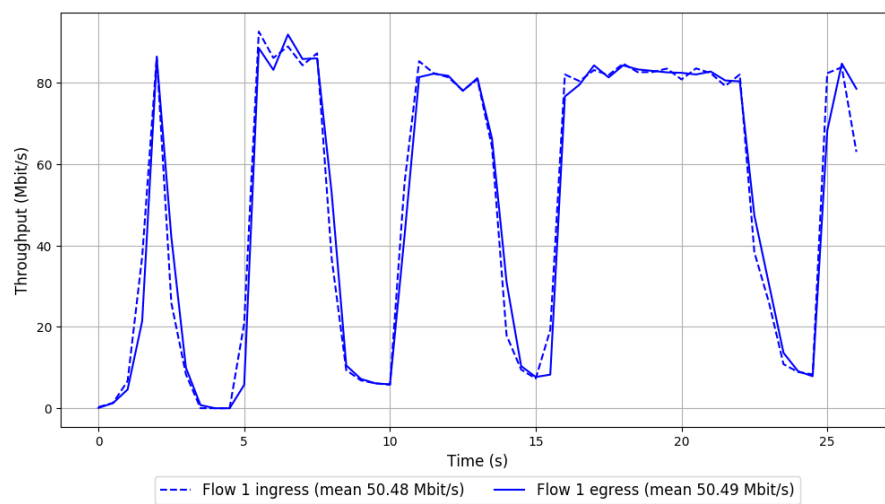
-- Flow 1:

Average throughput: 50.49 Mbit/s

95th percentile per-packet one-way delay: 109.697 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-16 12:05:32

End at: 2018-01-16 12:06:02

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.53 Mbit/s

95th percentile per-packet one-way delay: 111.380 ms

Loss rate: 0.00%

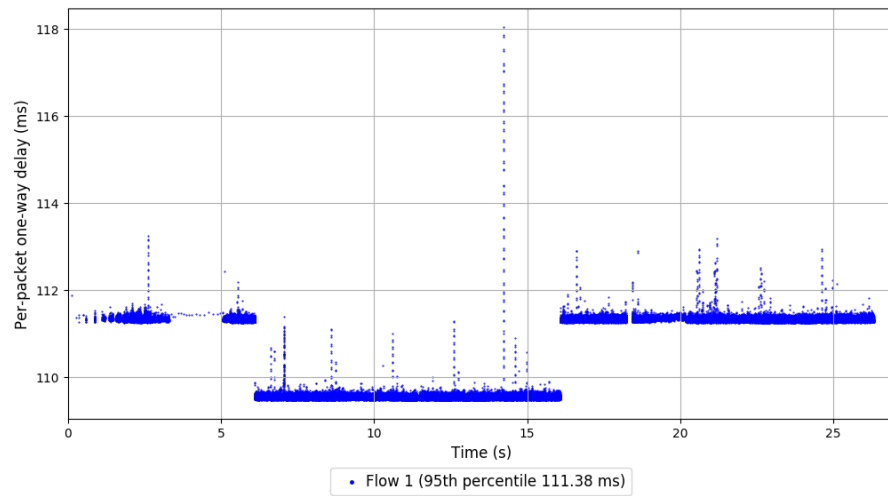
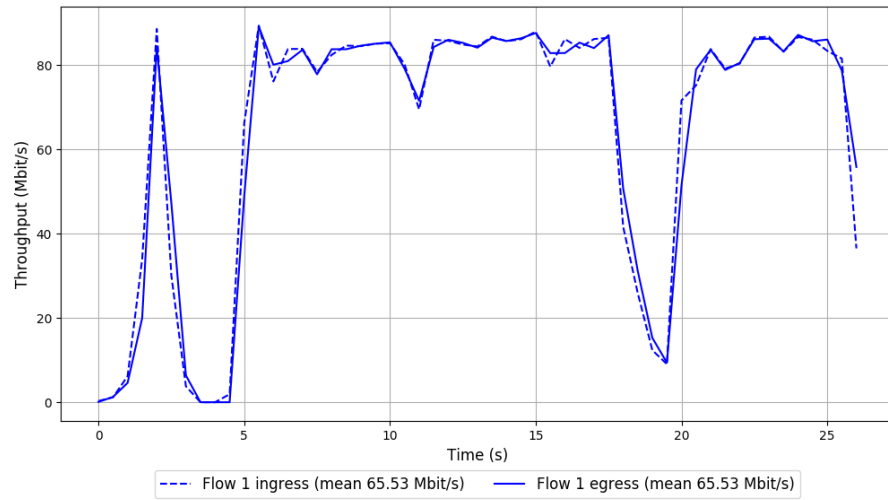
-- Flow 1:

Average throughput: 65.53 Mbit/s

95th percentile per-packet one-way delay: 111.380 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

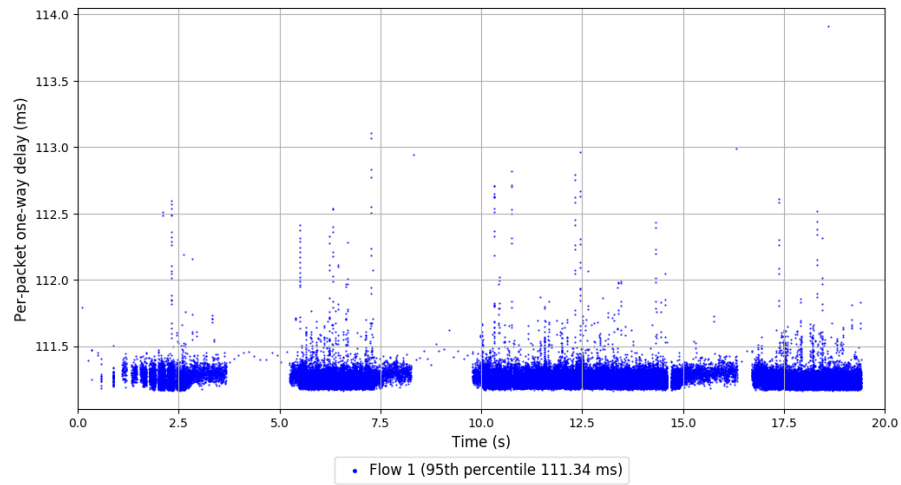
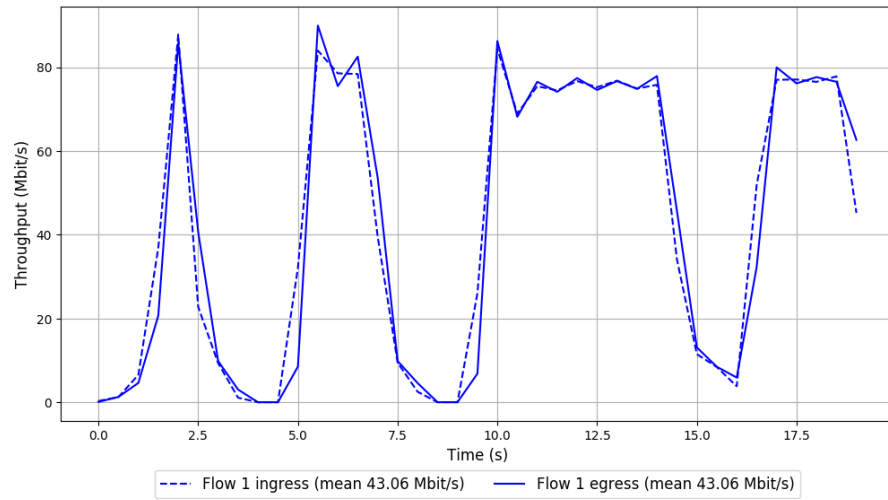


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-16 12:21:14

End at: 2018-01-16 12:21:44

Run 10: Report of QUIC Cubic — Data Link

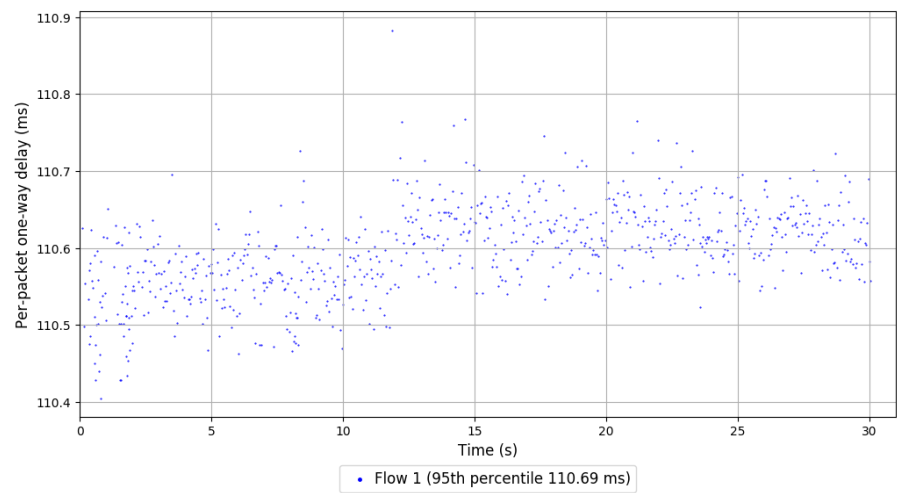
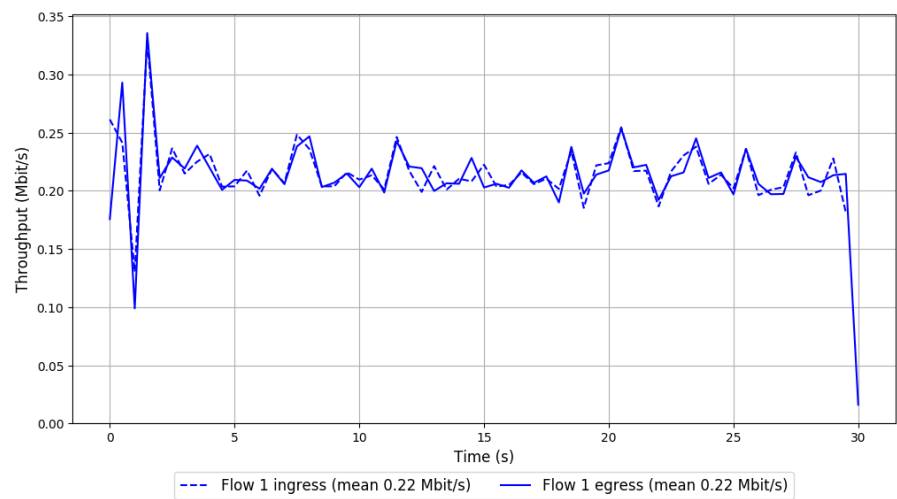


```
Run 1: Statistics of SCReAM

Start at: 2018-01-16 10:03:00
End at: 2018-01-16 10:03:30

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.687 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

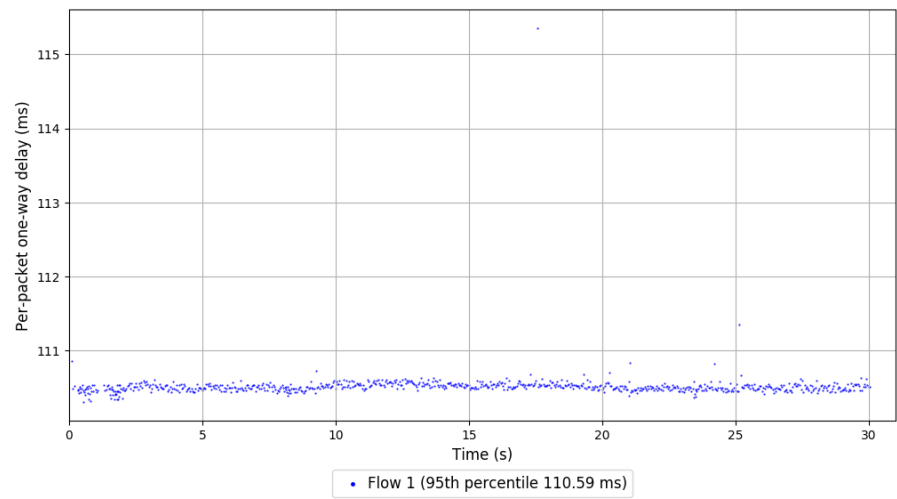
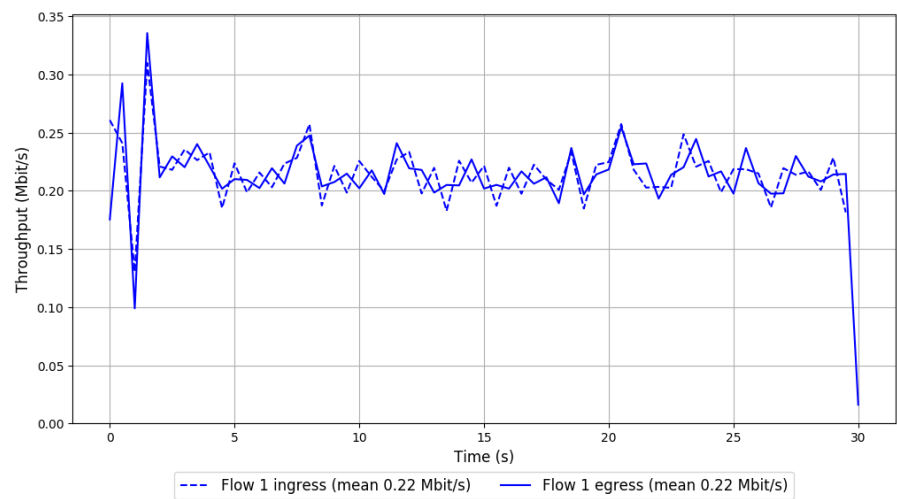


```
Run 2: Statistics of SCReAM

Start at: 2018-01-16 10:18:15
End at: 2018-01-16 10:18:45

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.593 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-16 10:33:20

End at: 2018-01-16 10:33:50

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.870 ms

Loss rate: 0.00%

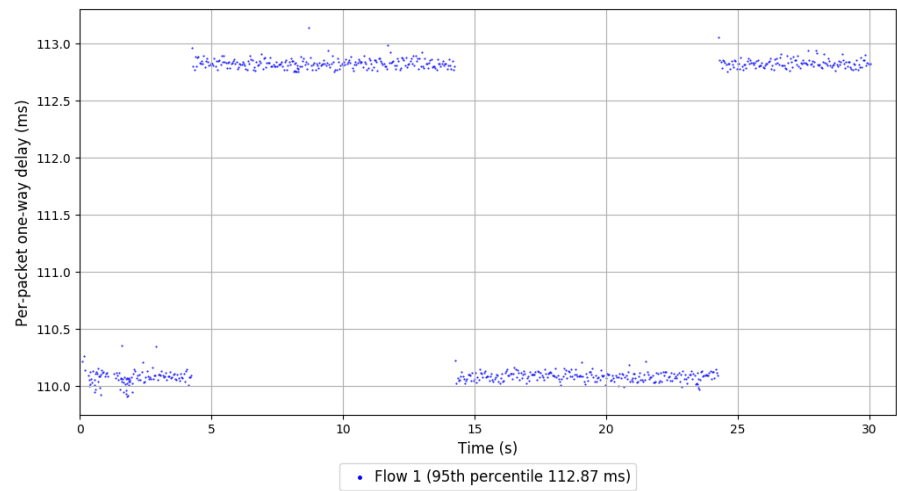
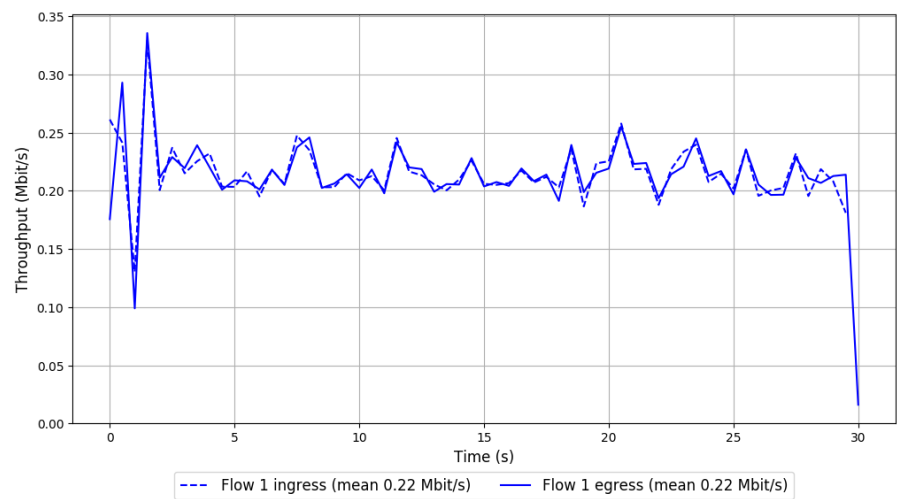
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.870 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

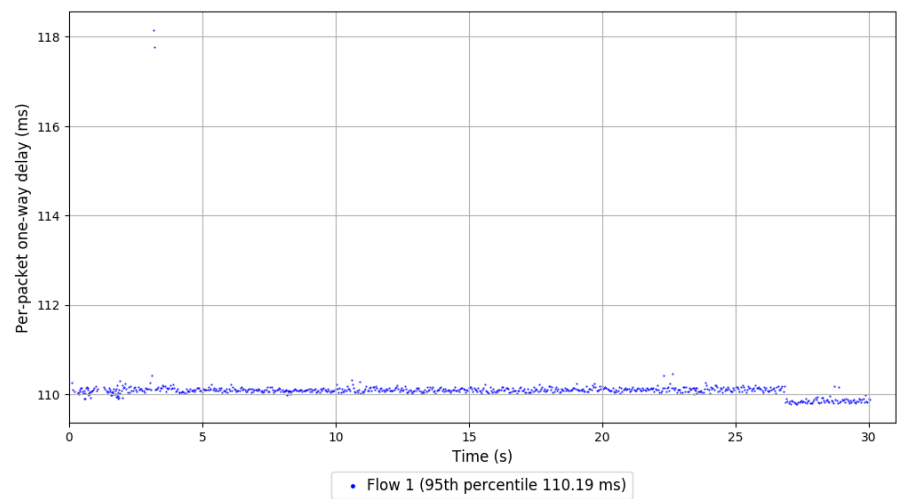
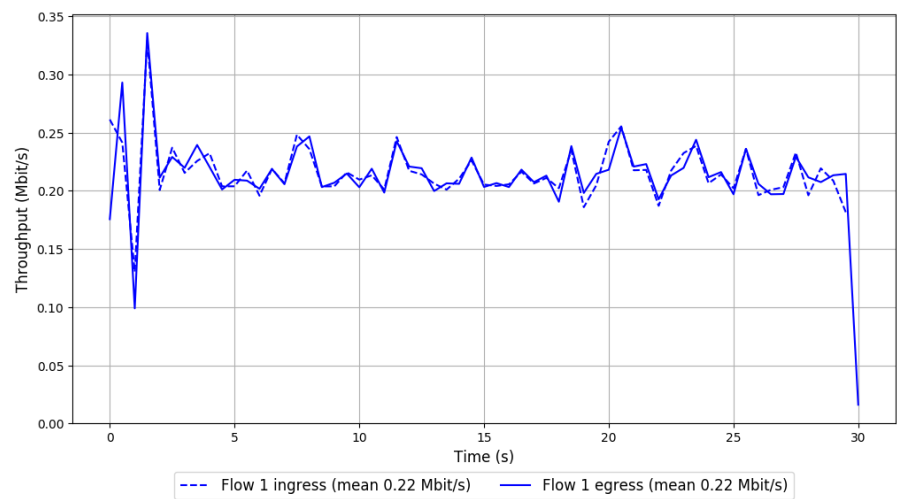


```
Run 4: Statistics of SCReAM

Start at: 2018-01-16 10:48:18
End at: 2018-01-16 10:48:48

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.185 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-01-16 11:03:22

End at: 2018-01-16 11:03:52

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.660 ms

Loss rate: 0.00%

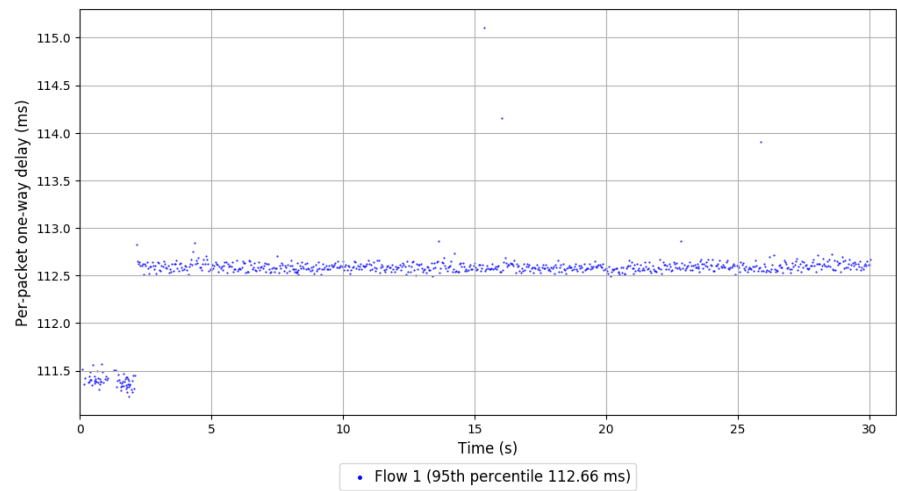
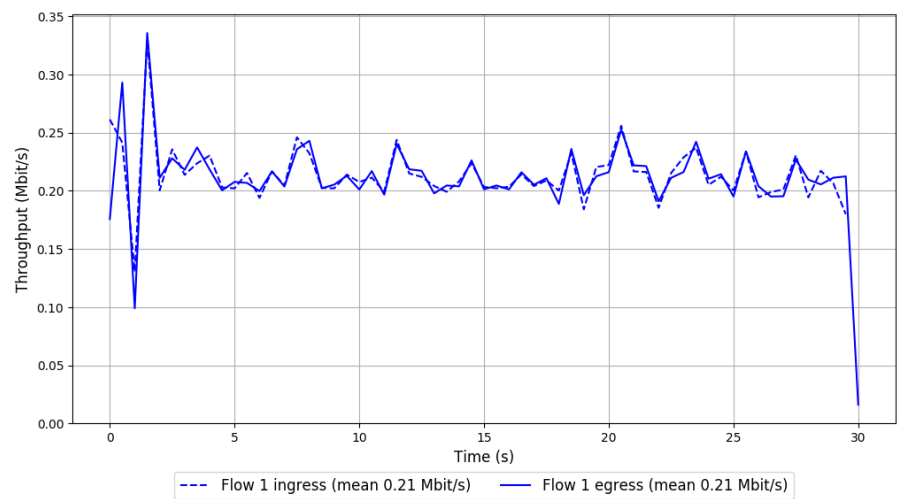
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.660 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

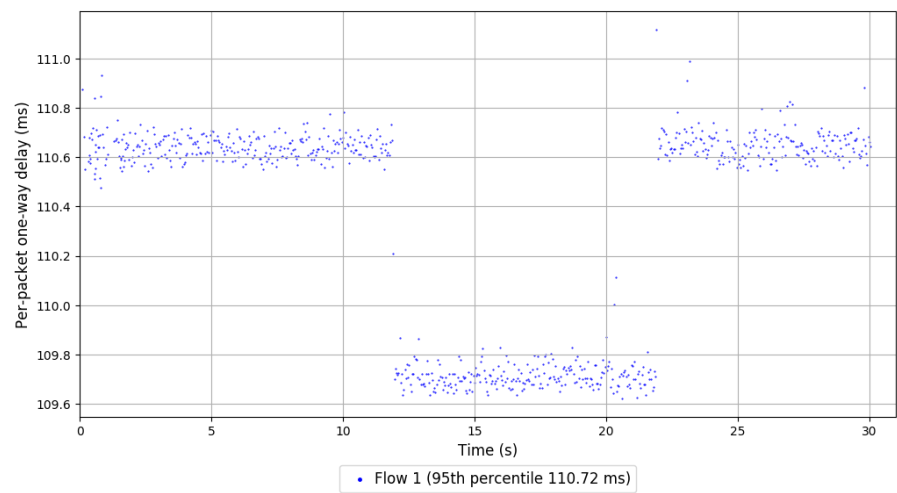
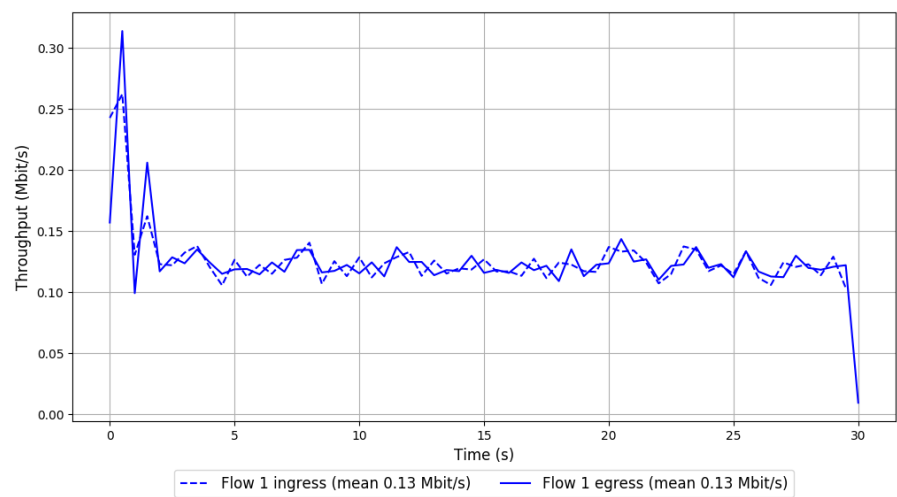


```
Run 6: Statistics of SCReAM

Start at: 2018-01-16 11:18:02
End at: 2018-01-16 11:18:32

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 110.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 110.715 ms
Loss rate: 0.00%
```

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-16 11:32:53

End at: 2018-01-16 11:33:23

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.734 ms

Loss rate: 0.00%

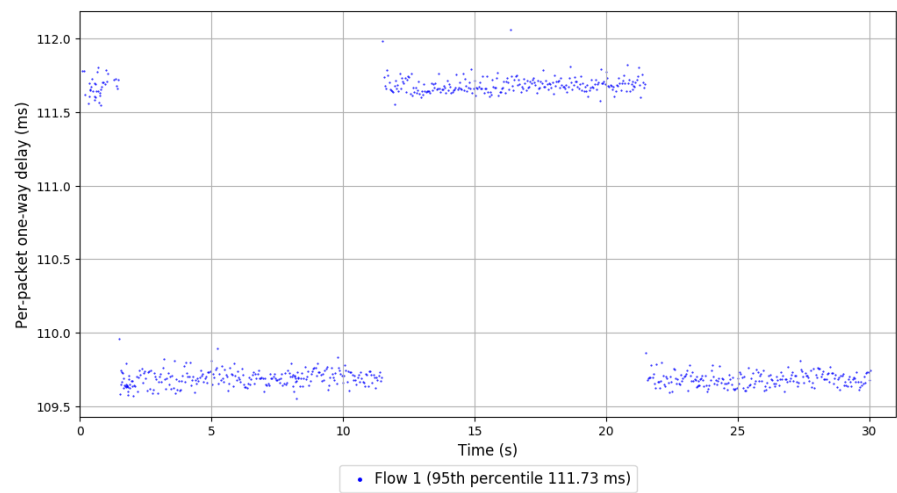
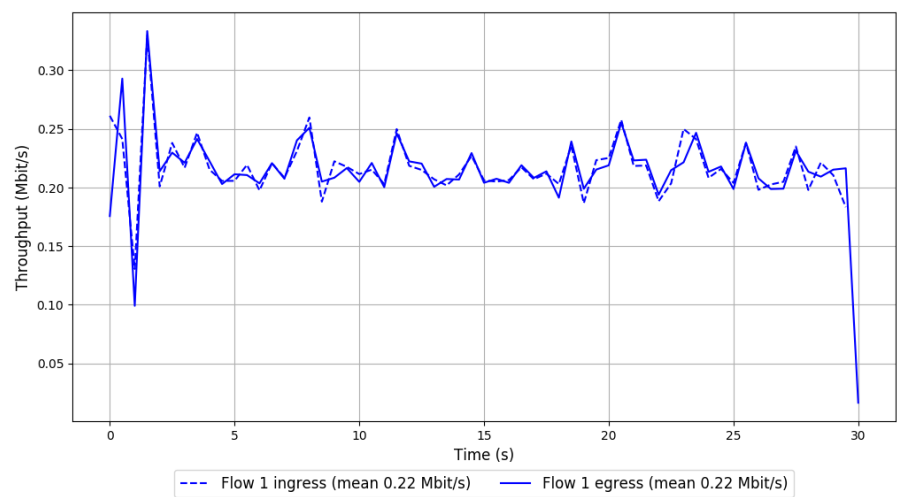
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.734 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-16 11:47:45

End at: 2018-01-16 11:48:16

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.757 ms

Loss rate: 0.00%

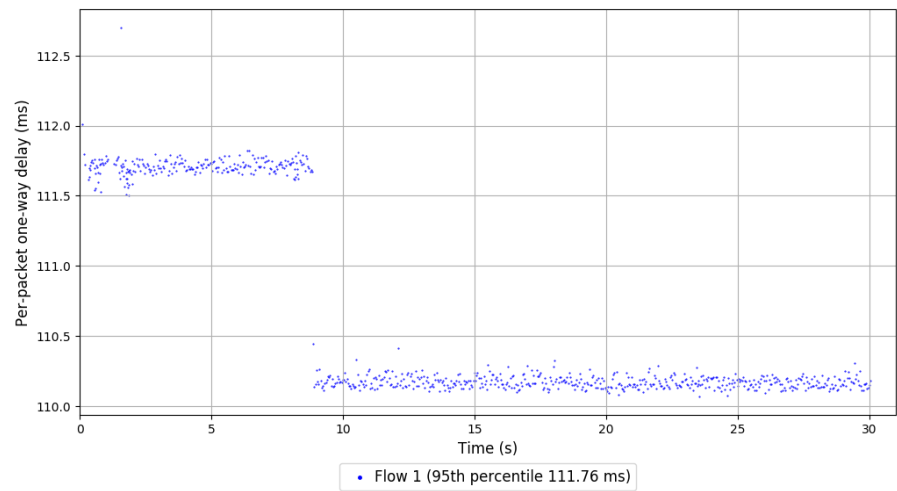
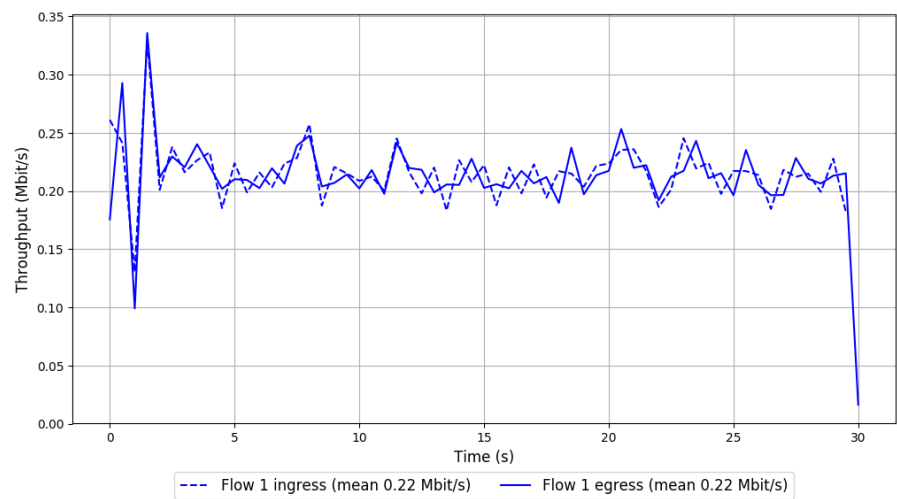
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.757 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-16 12:03:08

End at: 2018-01-16 12:03:38

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.400 ms

Loss rate: 0.00%

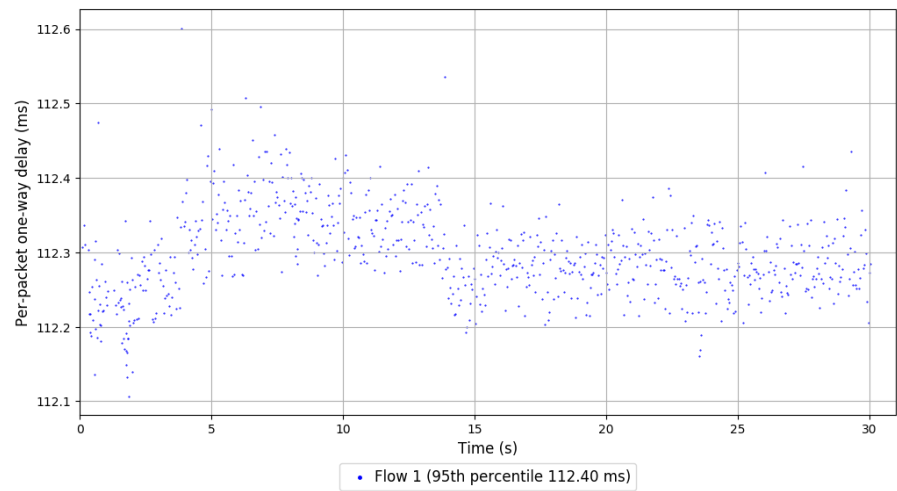
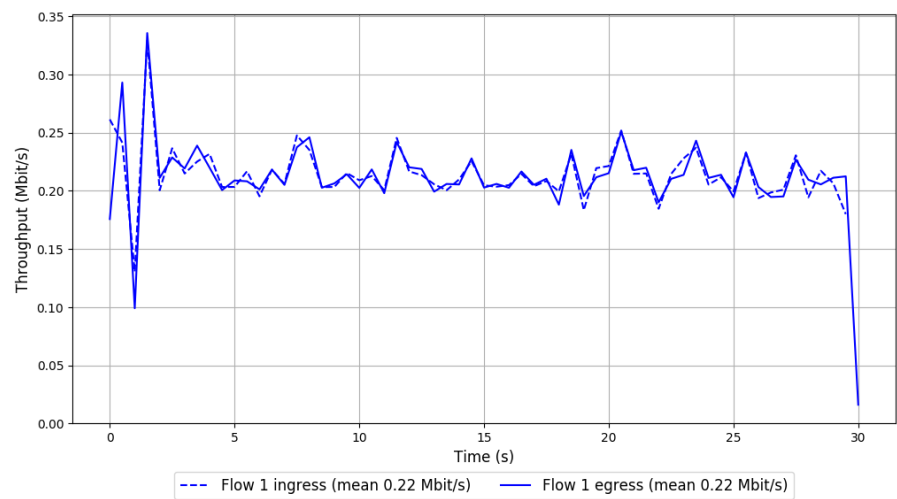
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.400 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-16 12:18:38

End at: 2018-01-16 12:19:08

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.785 ms

Loss rate: 0.00%

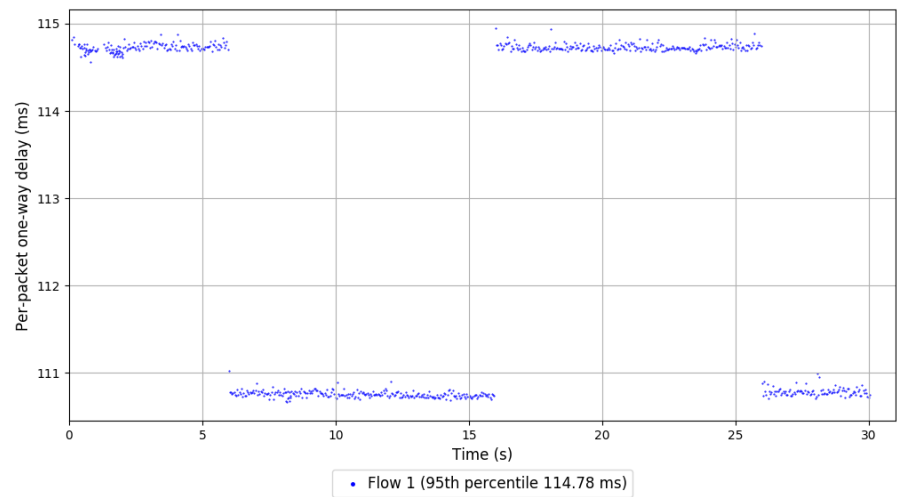
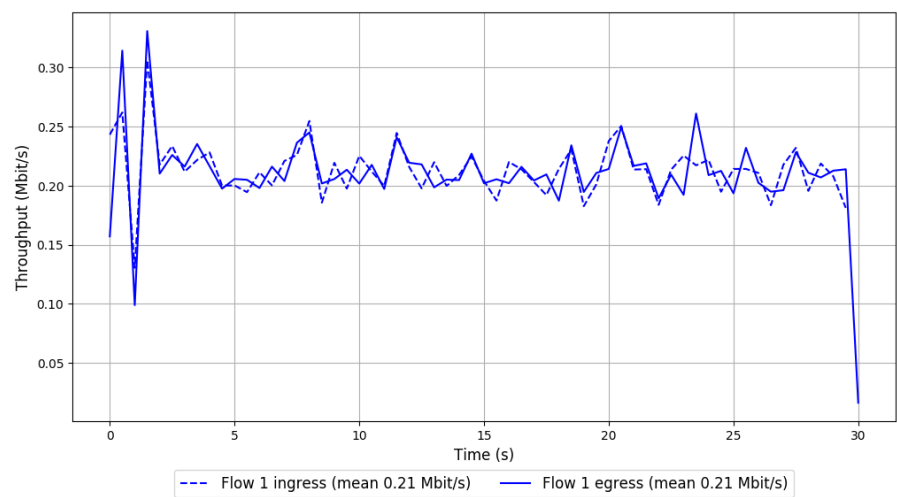
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.785 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

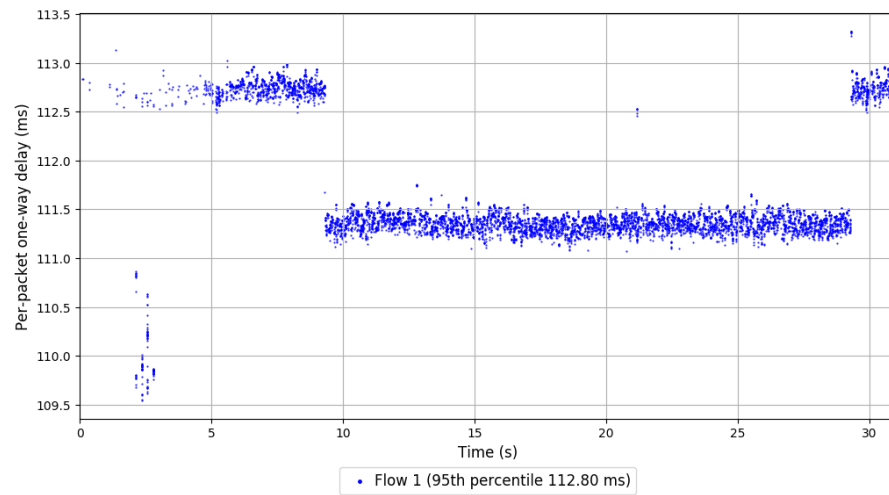
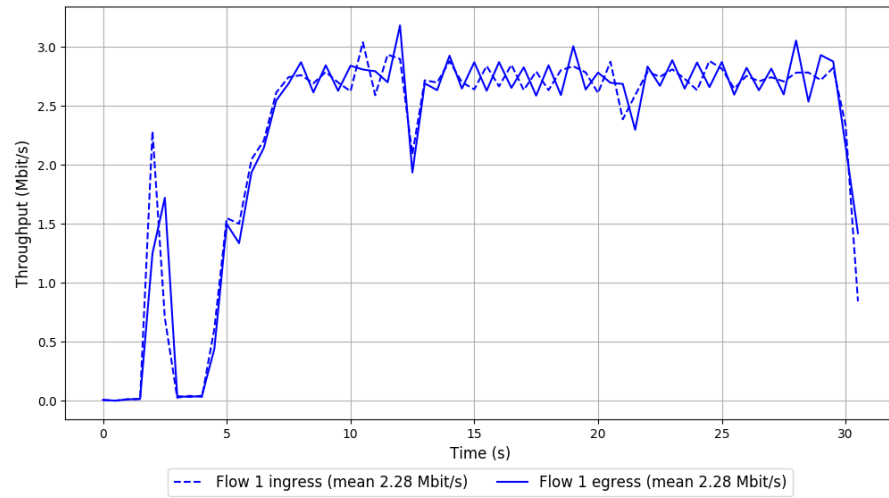


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-16 10:08:46
End at: 2018-01-16 10:09:16

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 112.798 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 112.798 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

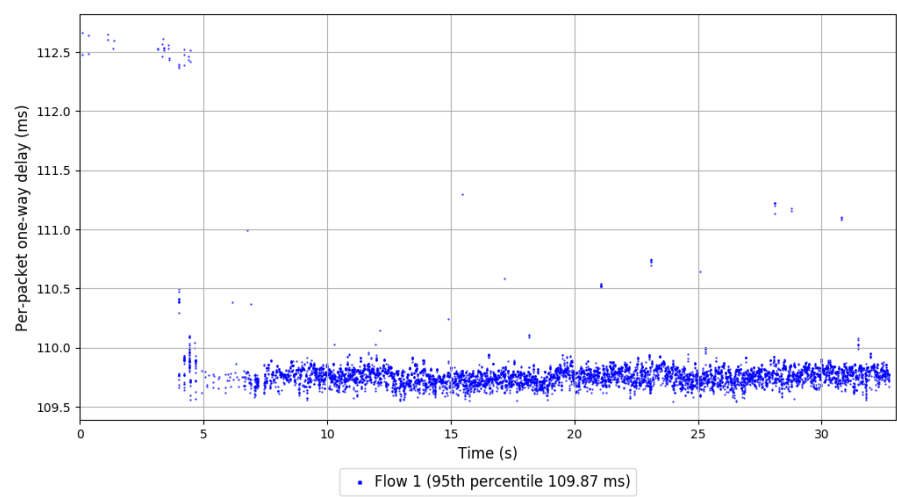
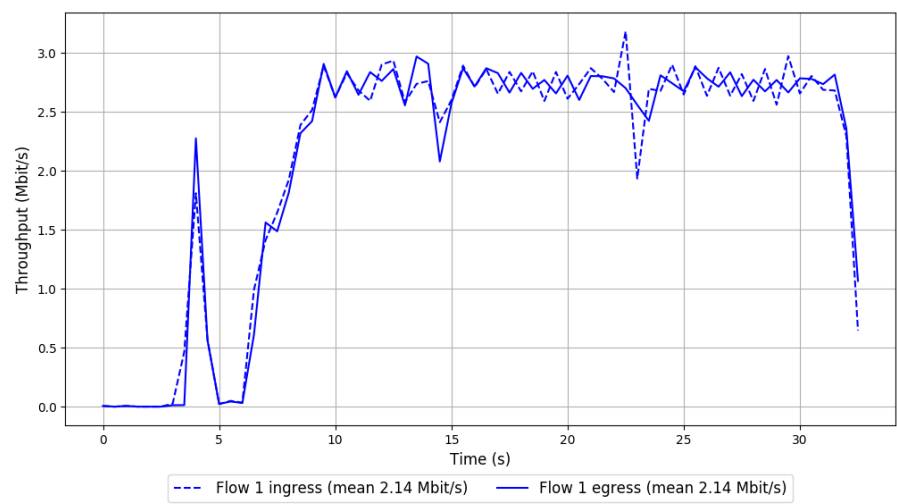


```
Run 2: Statistics of WebRTC media

Start at: 2018-01-16 10:23:52
End at: 2018-01-16 10:24:22

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 109.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 109.871 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-16 10:39:13

End at: 2018-01-16 10:39:43

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 111.772 ms

Loss rate: 0.00%

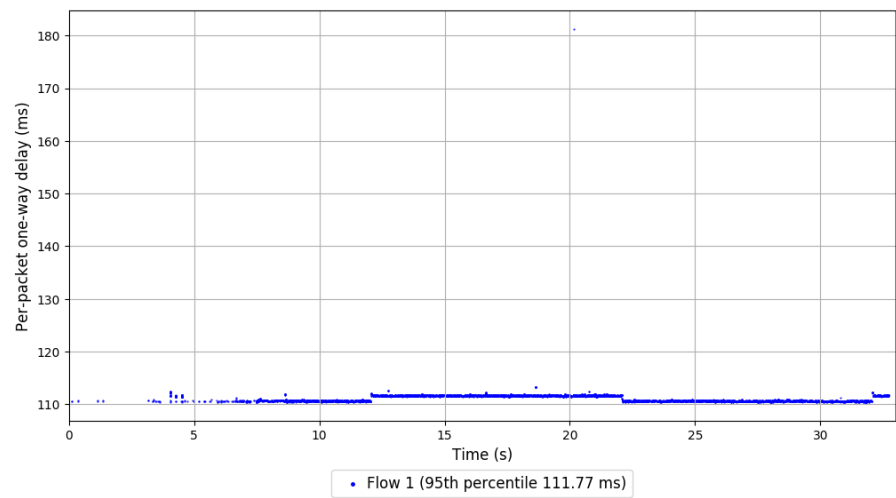
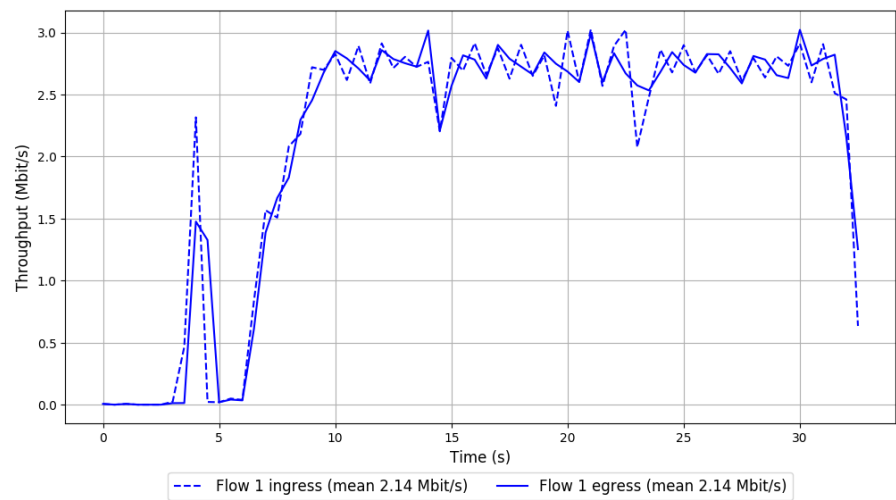
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 111.772 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-16 10:53:55

End at: 2018-01-16 10:54:25

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 112.365 ms

Loss rate: 0.00%

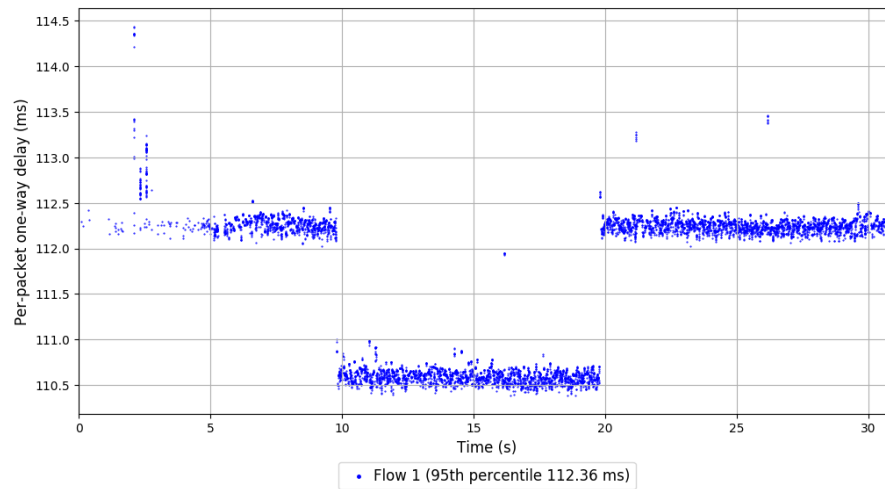
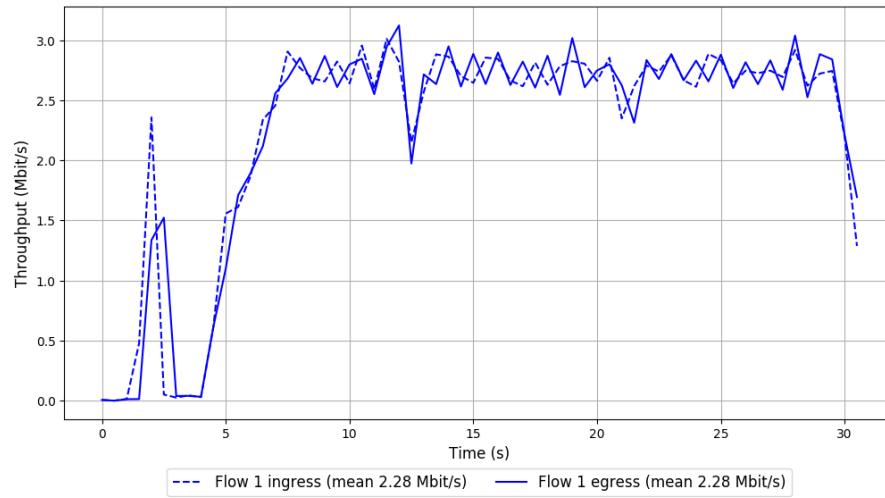
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 112.365 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-16 11:08:59

End at: 2018-01-16 11:09:29

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 113.103 ms

Loss rate: 0.00%

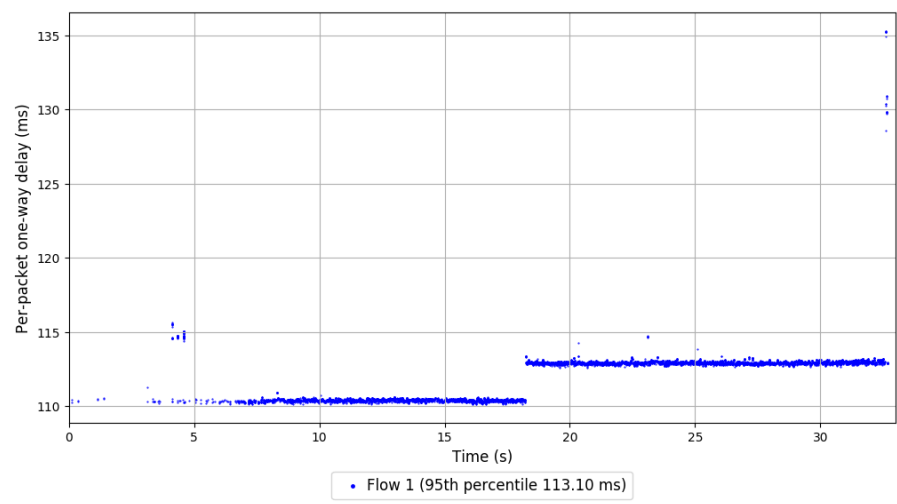
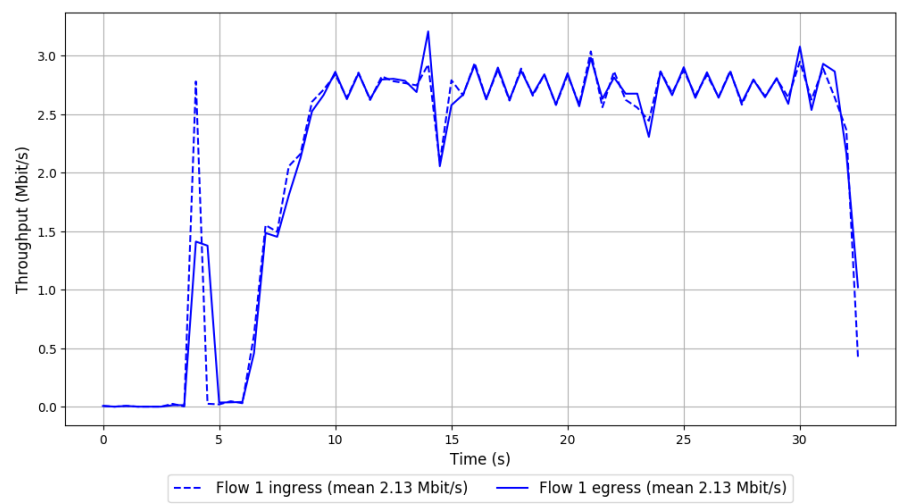
-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 113.103 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-16 11:23:31

End at: 2018-01-16 11:24:01

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.00%

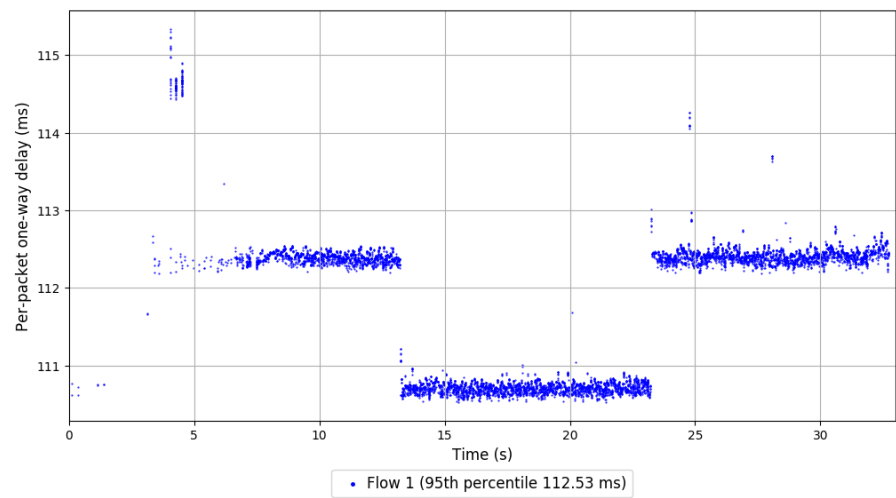
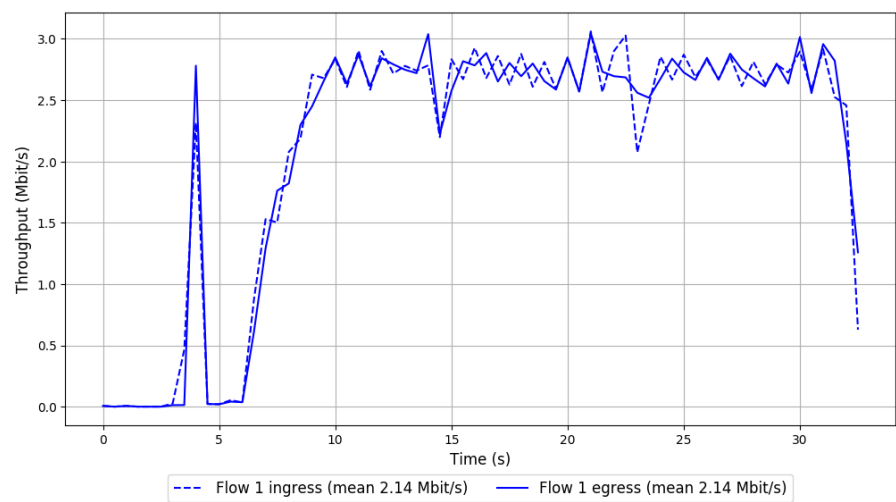
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-16 11:38:08

End at: 2018-01-16 11:38:38

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 111.813 ms

Loss rate: 0.00%

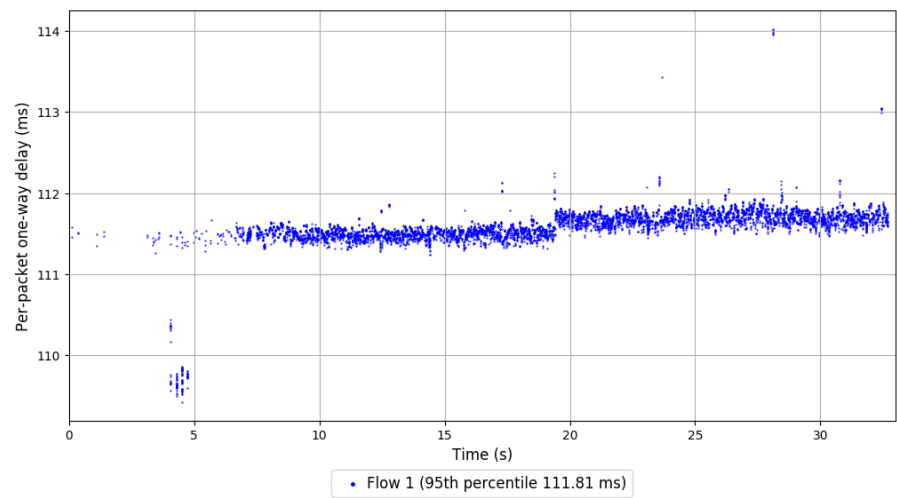
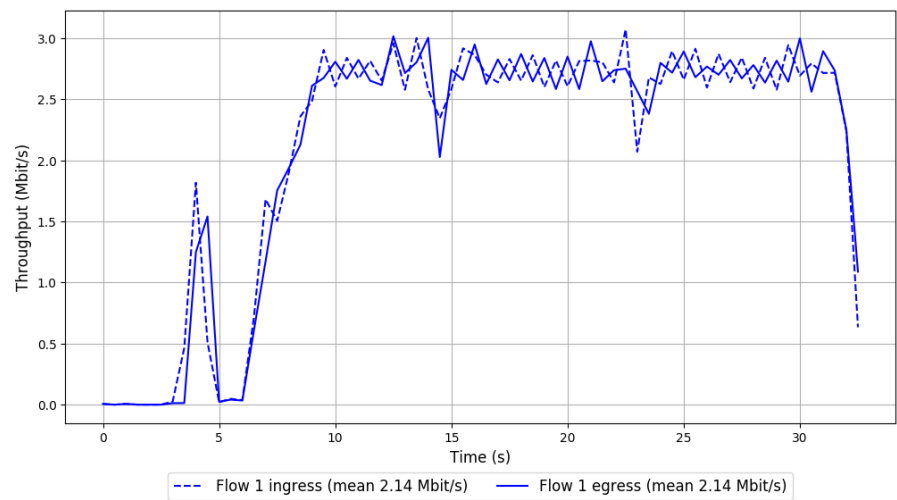
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 111.813 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-16 11:53:19

End at: 2018-01-16 11:53:49

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 112.549 ms

Loss rate: 0.00%

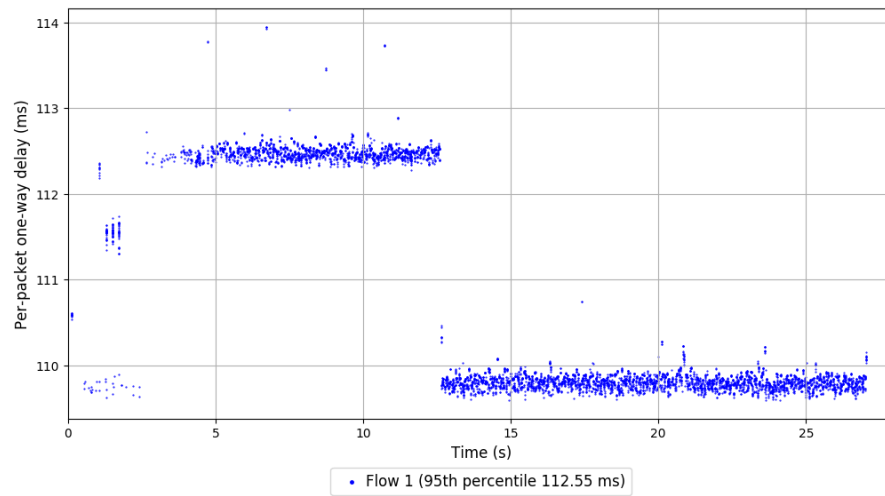
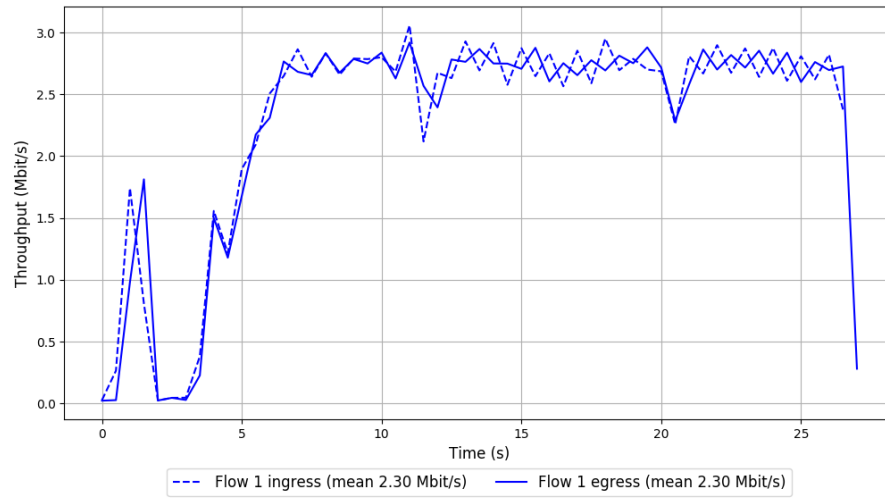
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 112.549 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-16 12:08:48

End at: 2018-01-16 12:09:18

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 111.582 ms

Loss rate: 0.00%

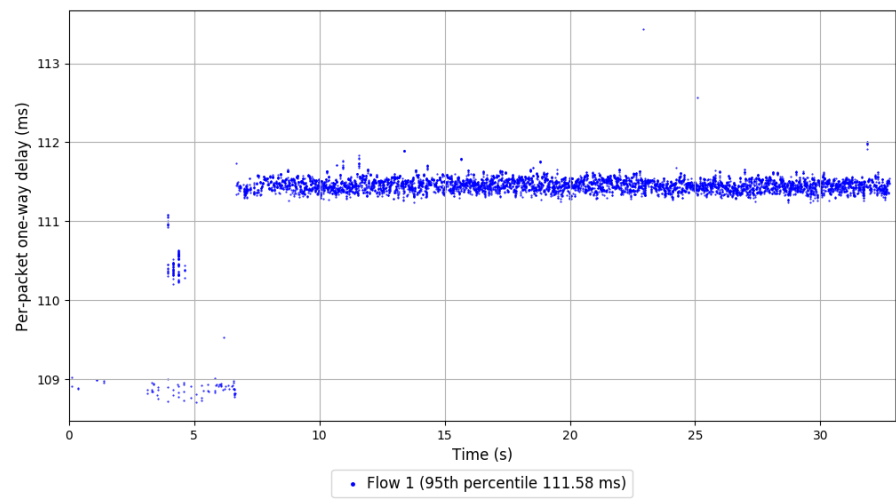
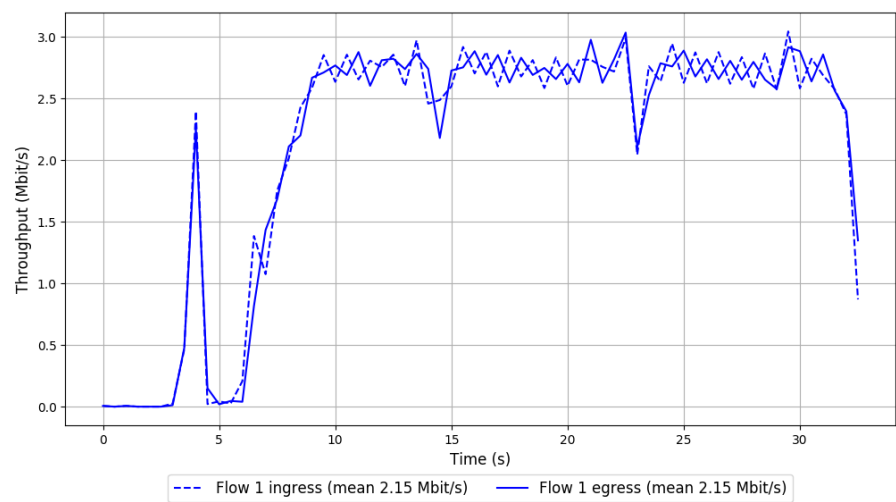
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 111.582 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-16 12:24:26

End at: 2018-01-16 12:24:56

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 109.951 ms

Loss rate: 0.00%

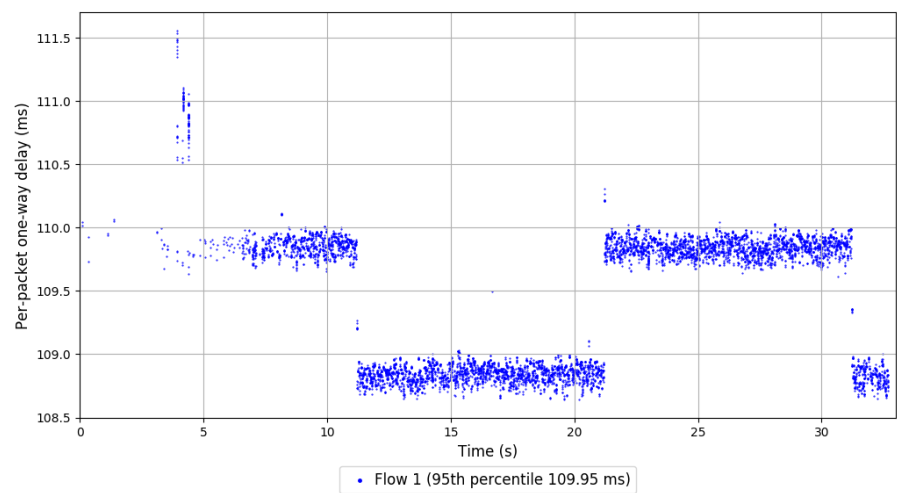
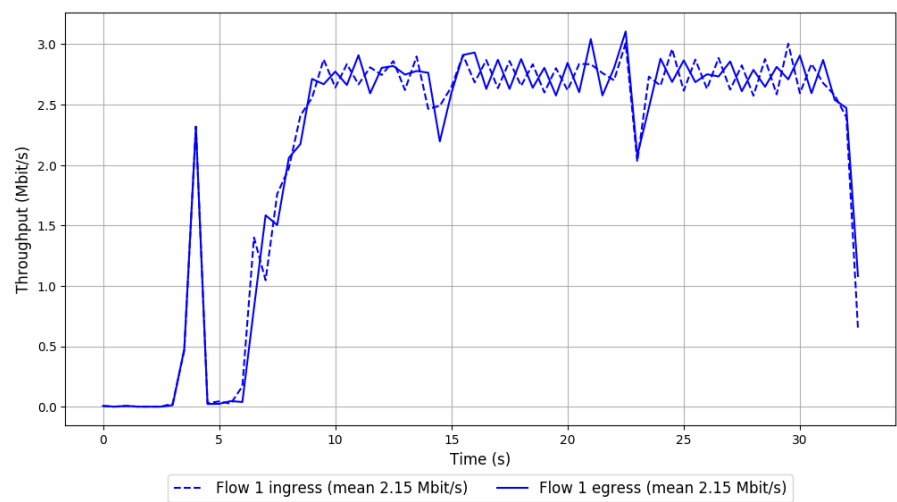
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 109.951 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

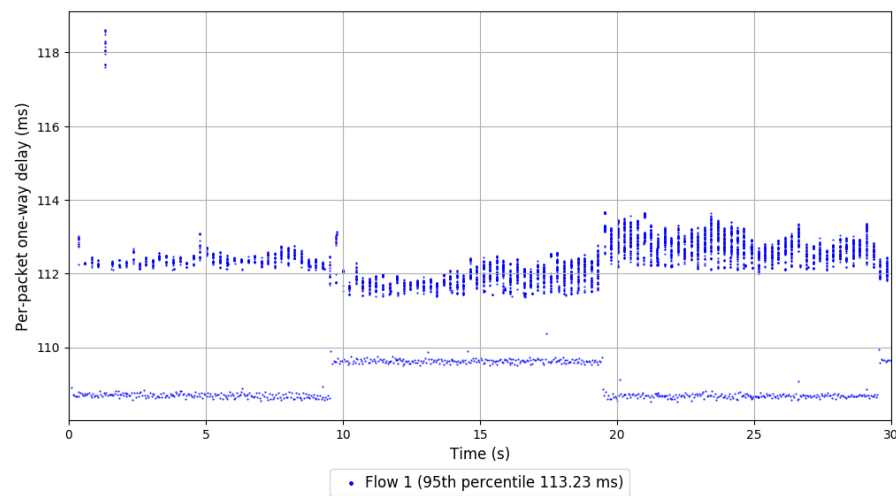
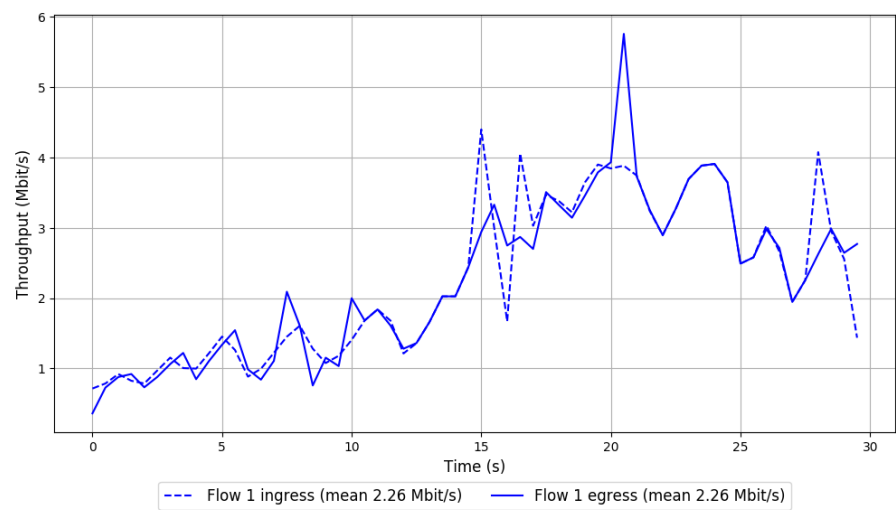


```
Run 1: Statistics of Sprout

Start at: 2018-01-16 10:07:02
End at: 2018-01-16 10:07:32

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 113.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 113.228 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-16 10:22:11

End at: 2018-01-16 10:22:41

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.00 Mbit/s

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

Loss rate: 0.00%

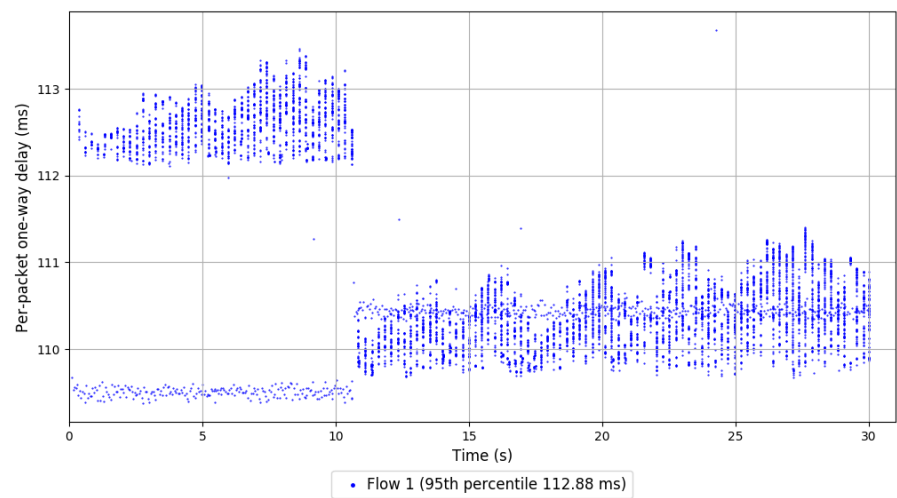
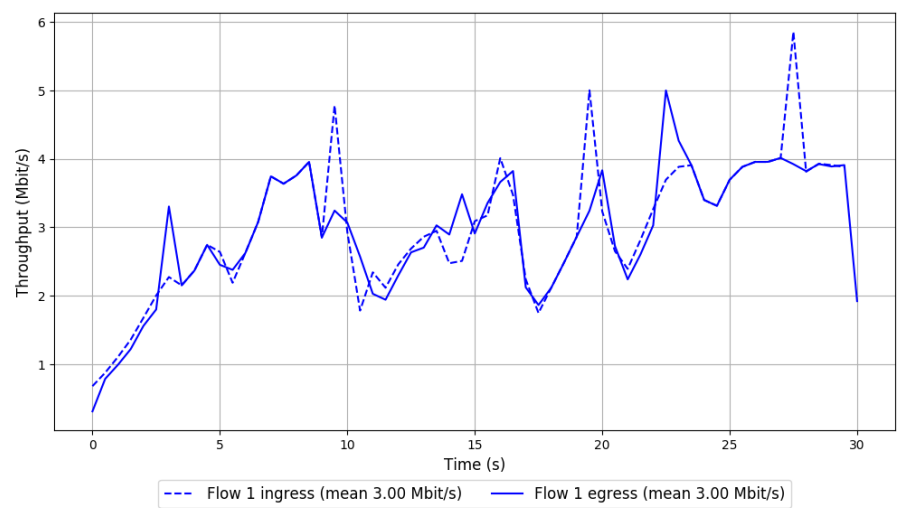
-- Flow 1:

Average throughput: 3.00 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-16 10:37:26

End at: 2018-01-16 10:37:56

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 113.077 ms

Loss rate: 1.37%

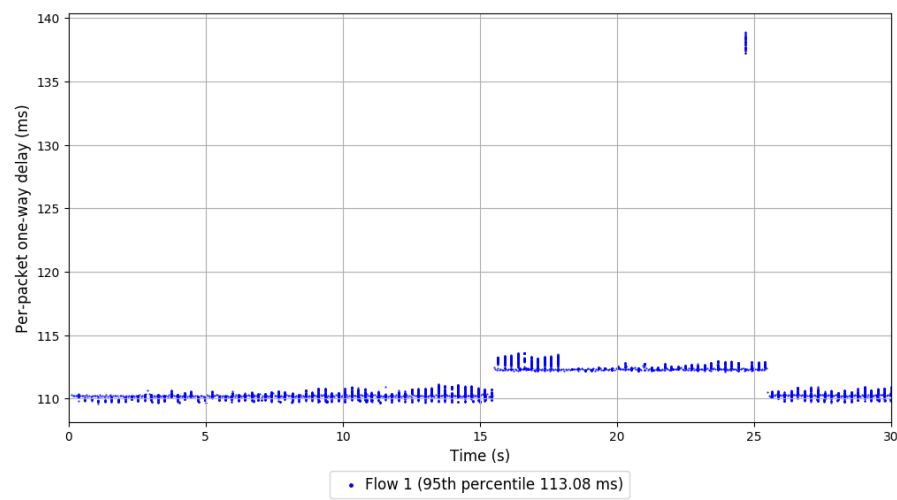
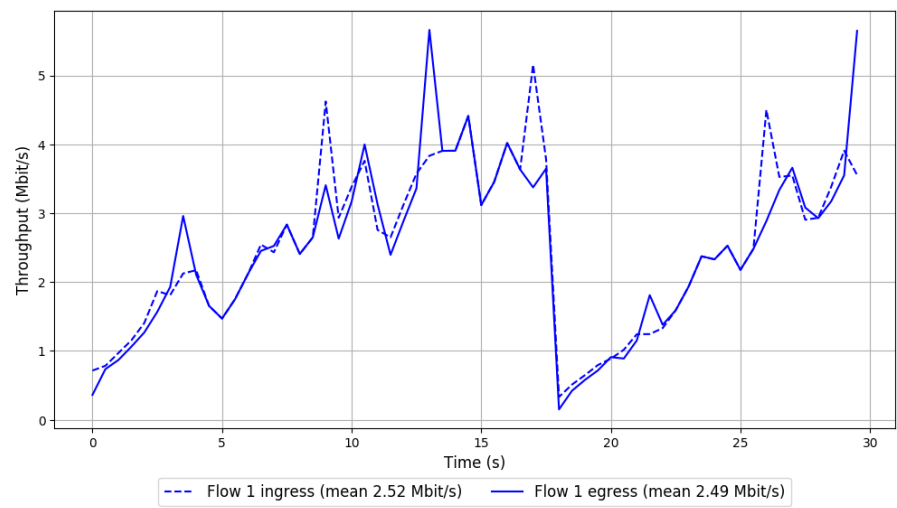
-- Flow 1:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 113.077 ms

Loss rate: 1.37%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

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

End at: 2018-01-16 10:52:40

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 113.371 ms

Loss rate: 0.01%

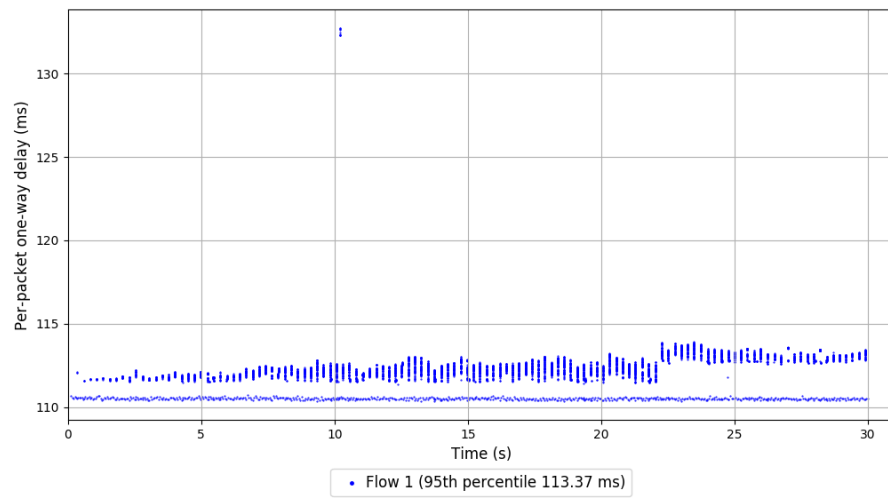
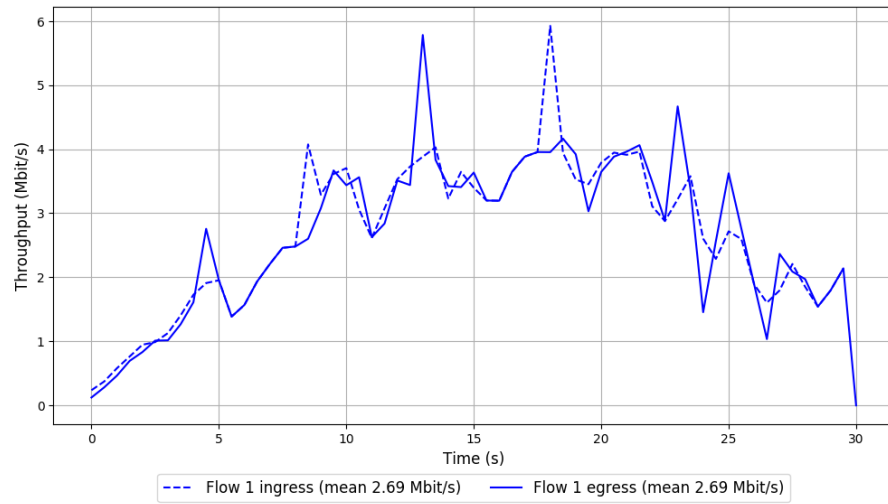
-- Flow 1:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 113.371 ms

Loss rate: 0.01%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-16 11:07:20

End at: 2018-01-16 11:07:50

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 113.937 ms

Loss rate: 0.15%

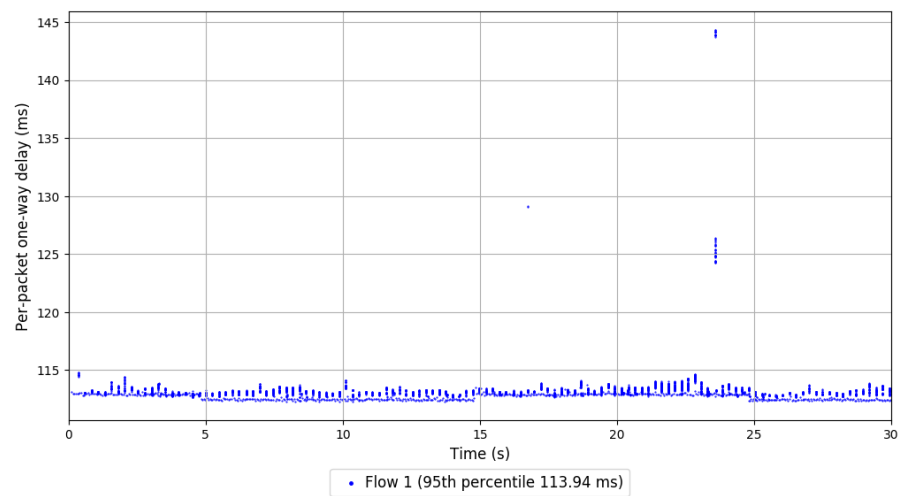
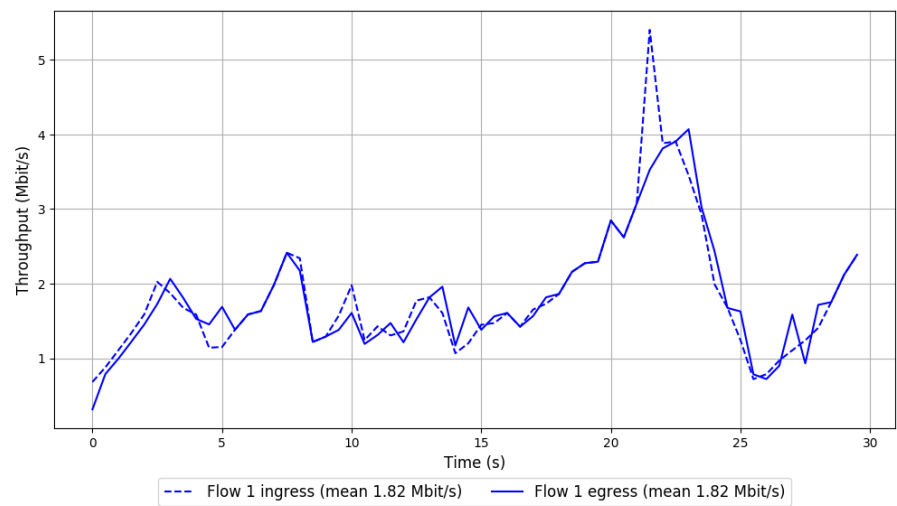
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 113.937 ms

Loss rate: 0.15%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-16 11:21:59

End at: 2018-01-16 11:22:29

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 114.888 ms

Loss rate: 0.06%

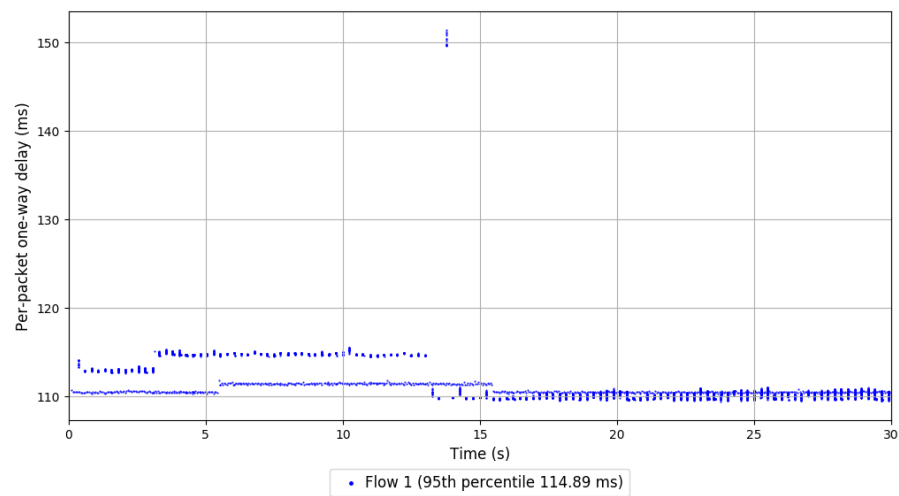
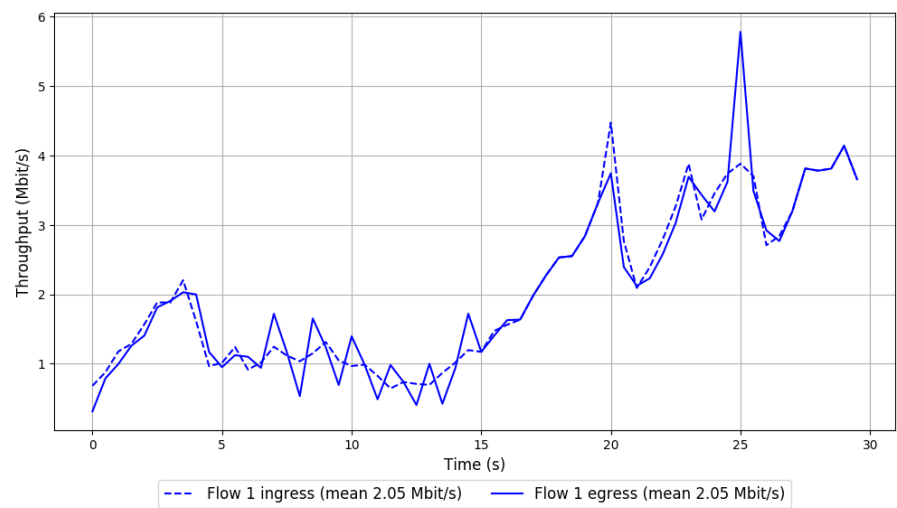
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 114.888 ms

Loss rate: 0.06%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-16 11:36:39

End at: 2018-01-16 11:37:09

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 115.031 ms

Loss rate: 0.02%

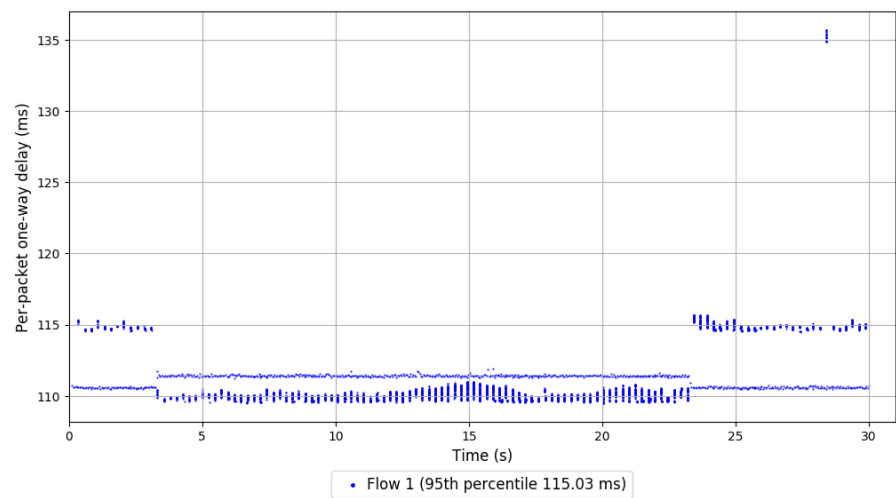
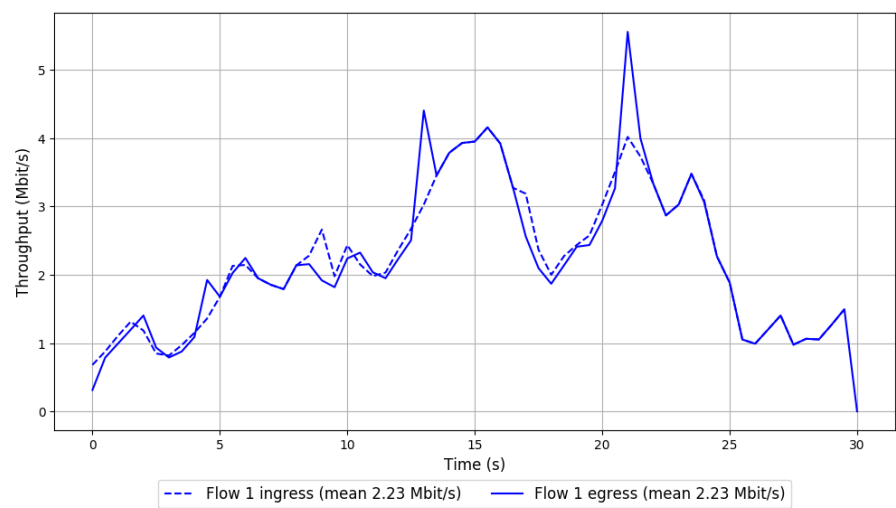
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 115.031 ms

Loss rate: 0.02%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-16 11:51:40

End at: 2018-01-16 11:52:10

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.07%

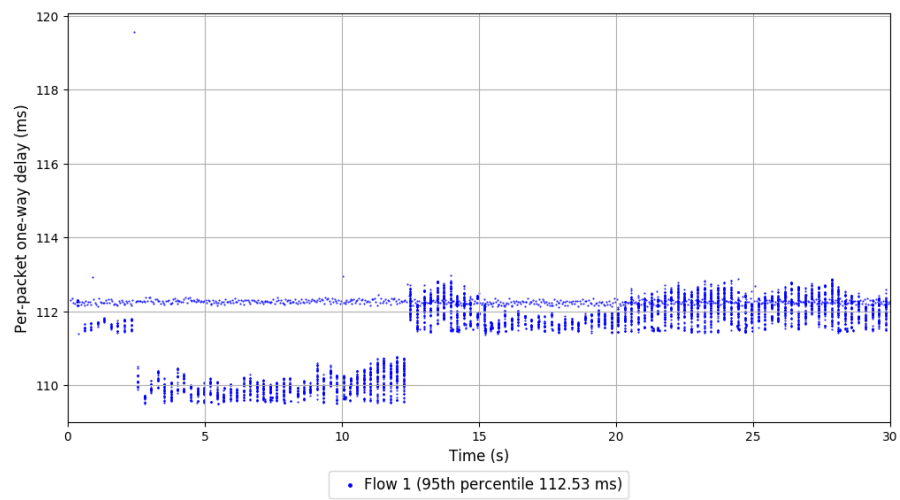
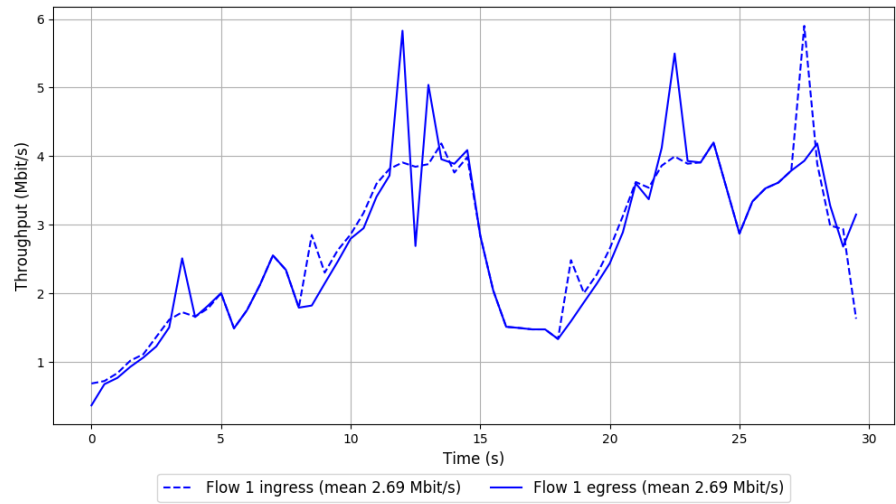
-- Flow 1:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.07%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-16 12:07:04

End at: 2018-01-16 12:07:34

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 112.175 ms

Loss rate: 0.00%

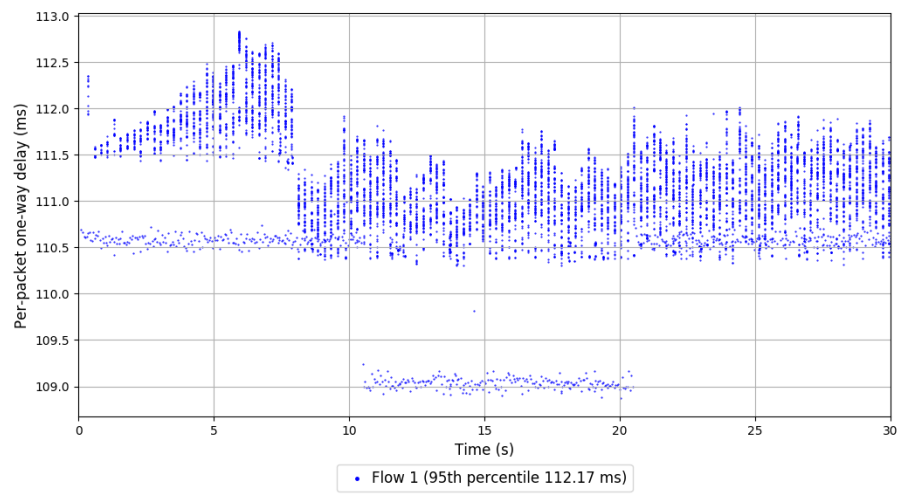
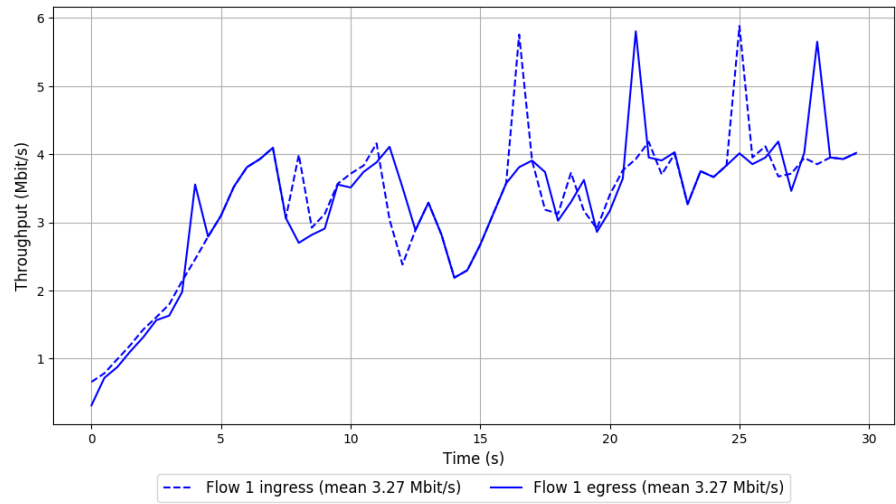
-- Flow 1:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 112.175 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-16 12:22:42

End at: 2018-01-16 12:23:12

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 111.071 ms

Loss rate: 0.04%

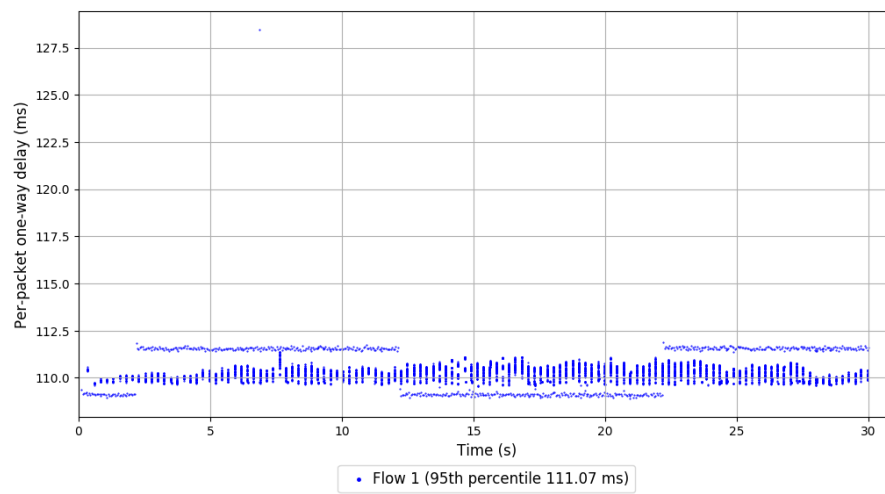
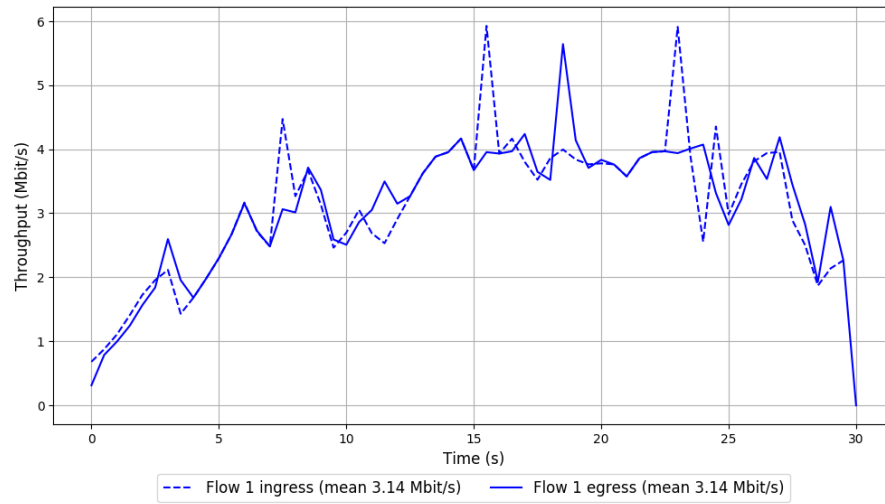
-- Flow 1:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 111.071 ms

Loss rate: 0.04%

Run 10: Report of Sprout — Data Link

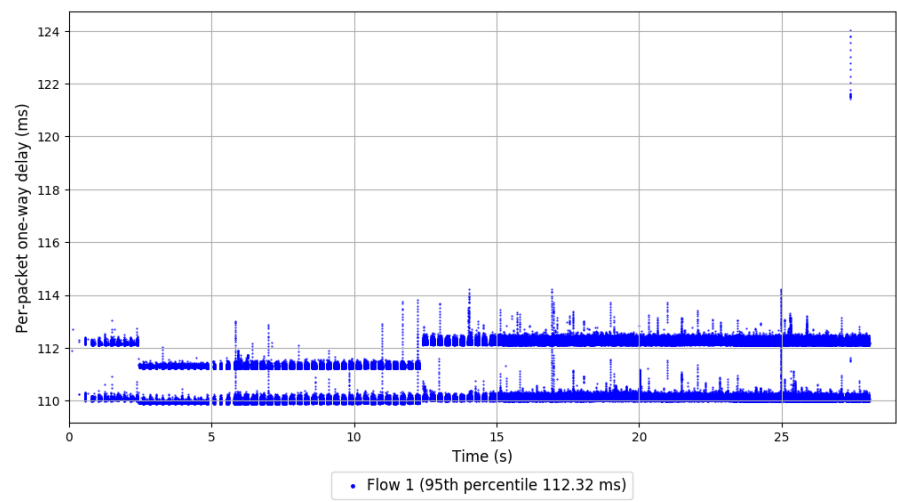
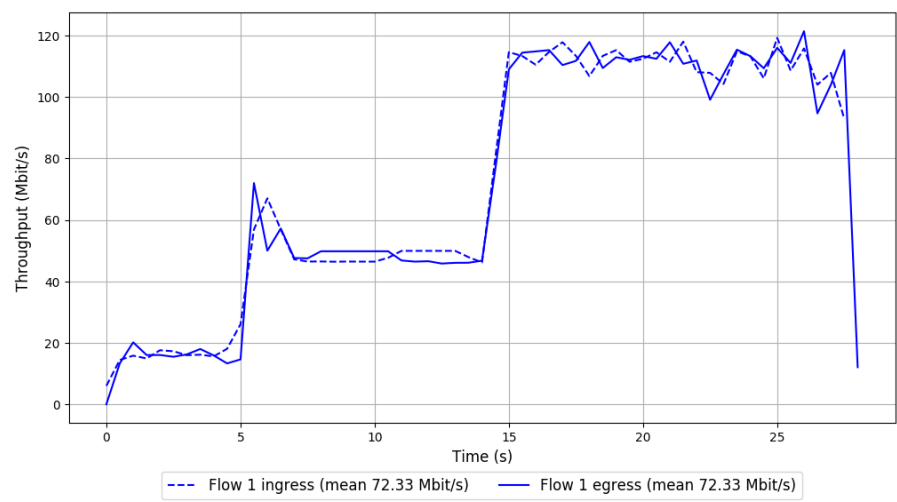


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 09:57:08
End at: 2018-01-16 09:57:38

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 112.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 112.318 ms
Loss rate: 0.00%
```


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

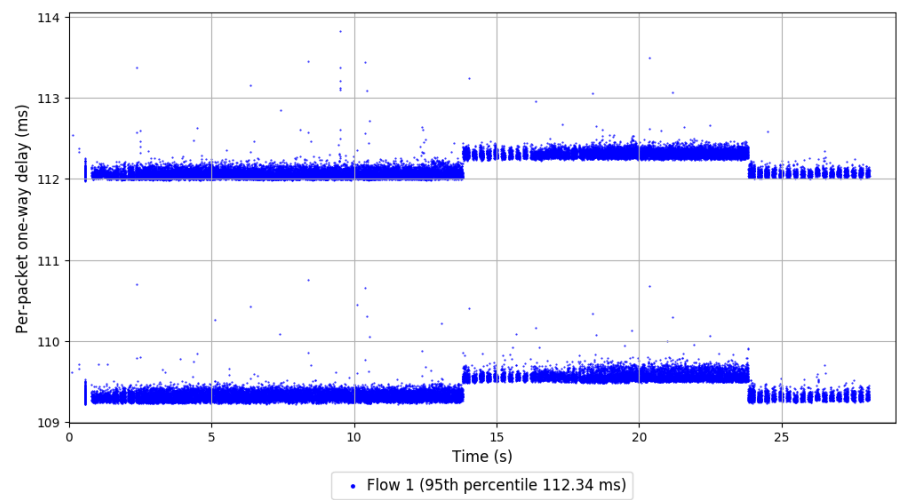
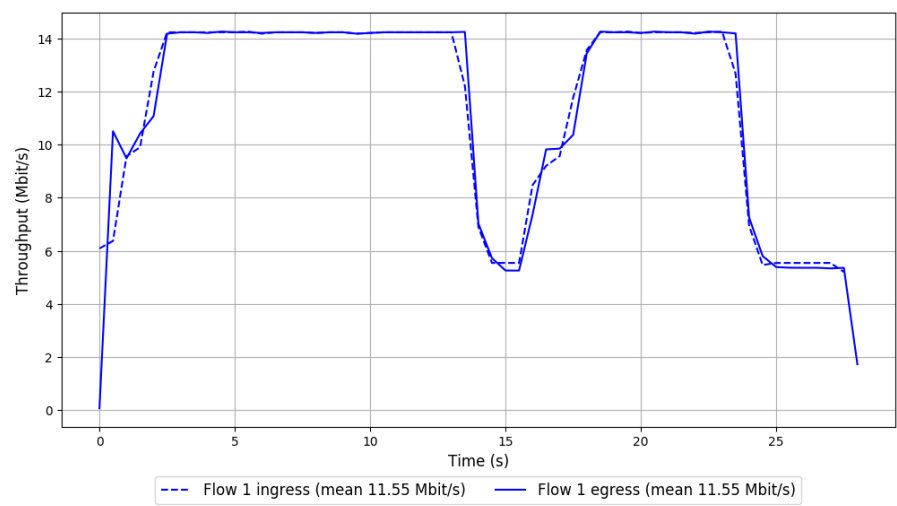


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 10:12:26
End at: 2018-01-16 10:12:56

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 112.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 112.341 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 10:27:34

End at: 2018-01-16 10:28:04

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.07 Mbit/s

95th percentile per-packet one-way delay: 112.128 ms

Loss rate: 0.00%

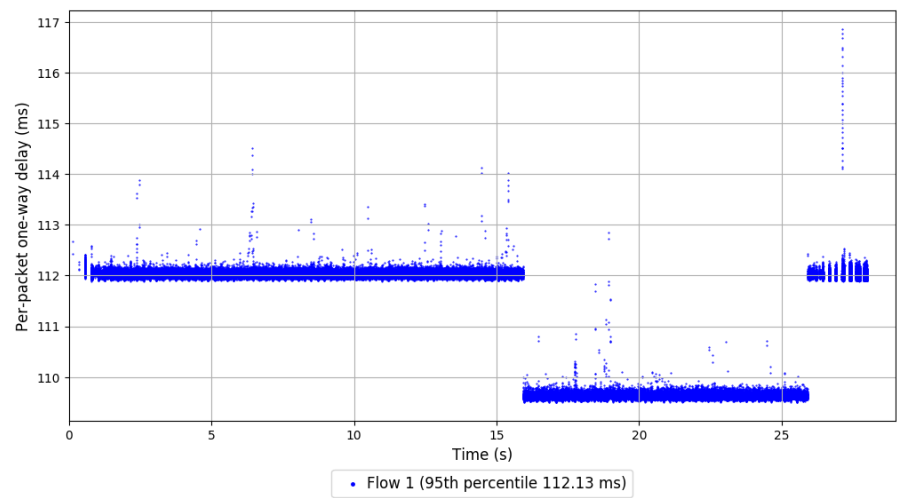
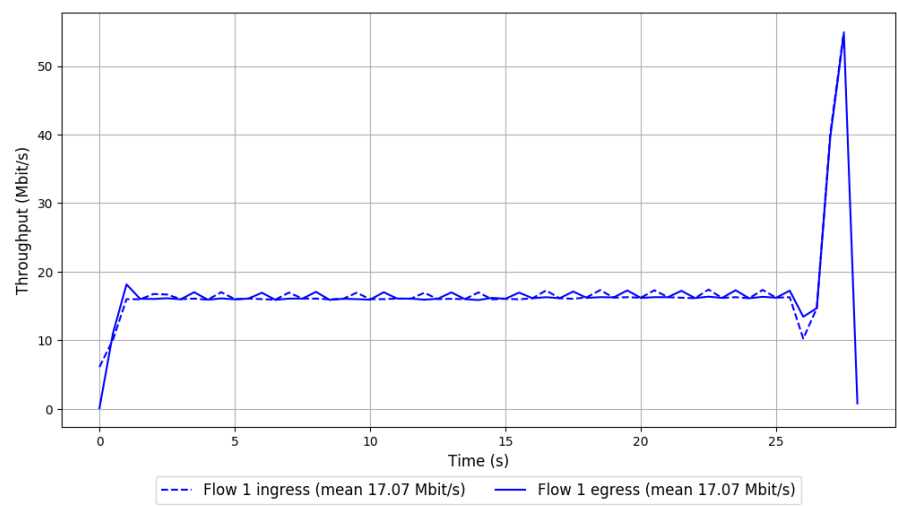
-- Flow 1:

Average throughput: 17.07 Mbit/s

95th percentile per-packet one-way delay: 112.128 ms

Loss rate: 0.00%

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

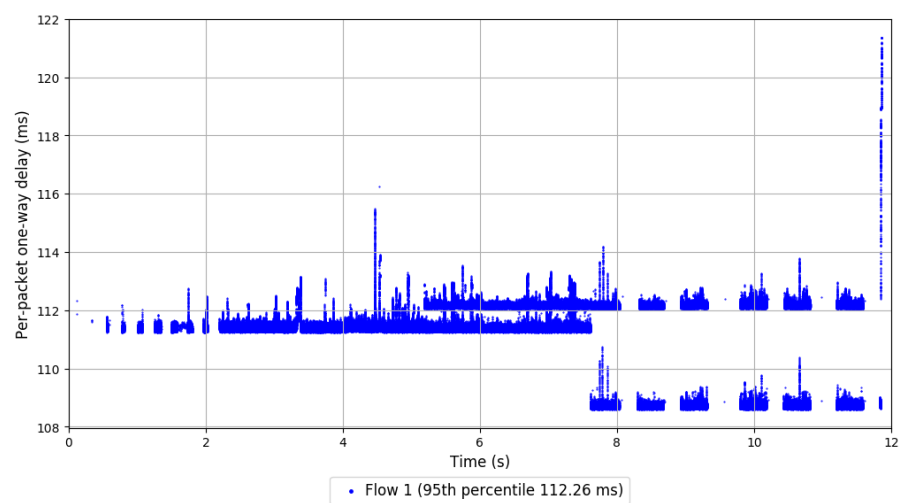
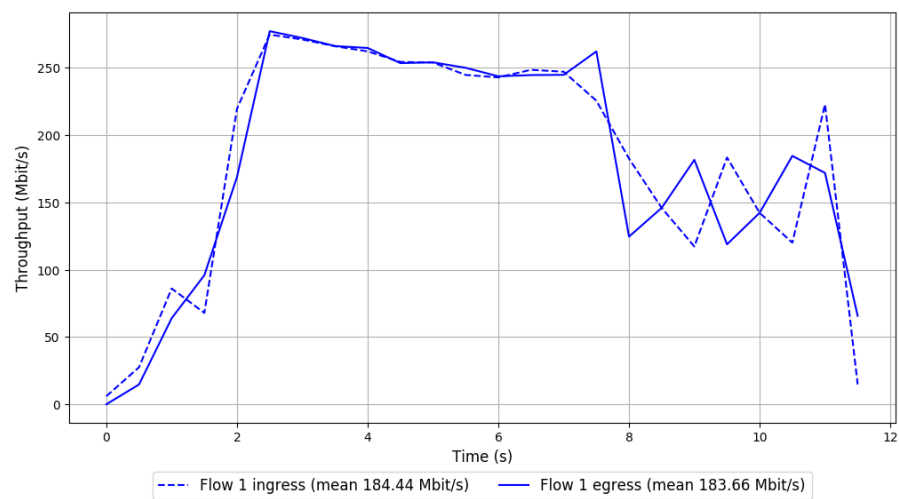


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-16 10:42:35

End at: 2018-01-16 10:43:05

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

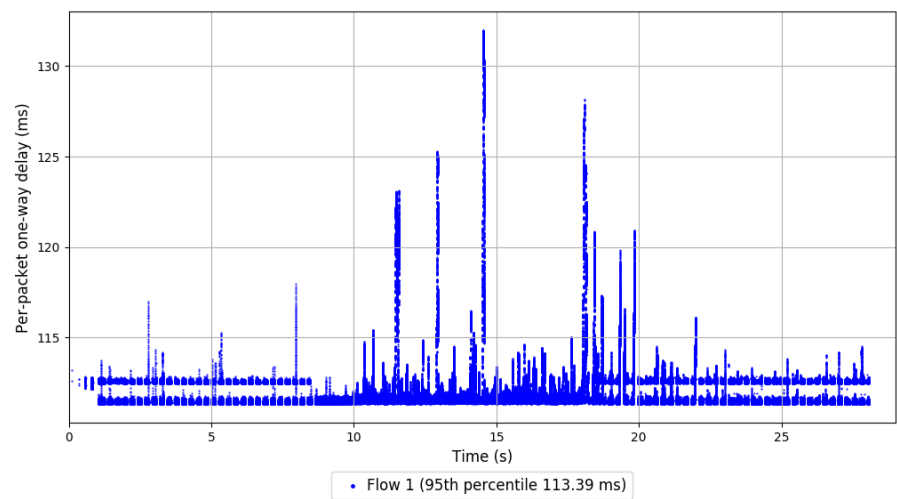
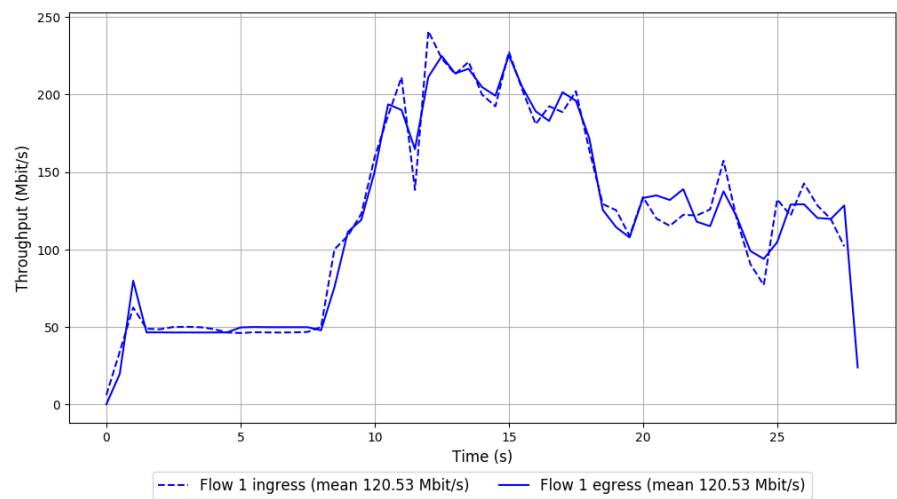


```
Run 5: Statistics of TaoVA-100x

Start at: 2018-01-16 10:57:22
End at: 2018-01-16 10:57:52

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.53 Mbit/s
95th percentile per-packet one-way delay: 113.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.53 Mbit/s
95th percentile per-packet one-way delay: 113.395 ms
Loss rate: 0.00%
```


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

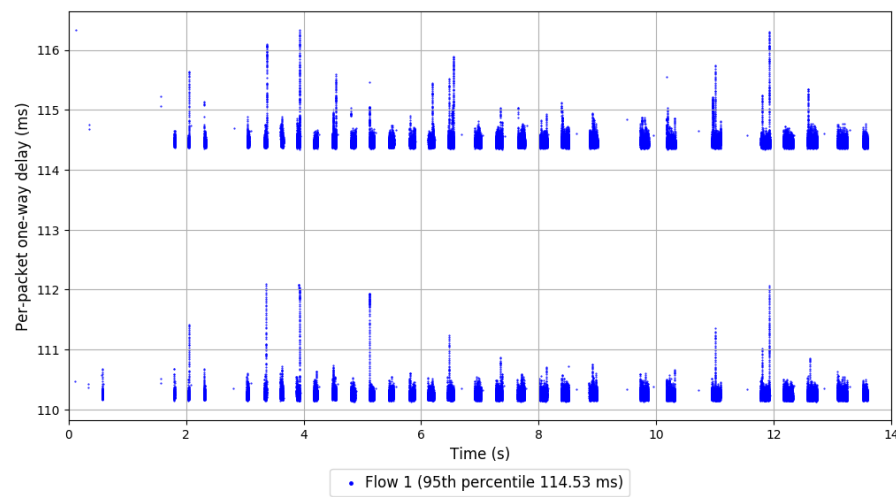
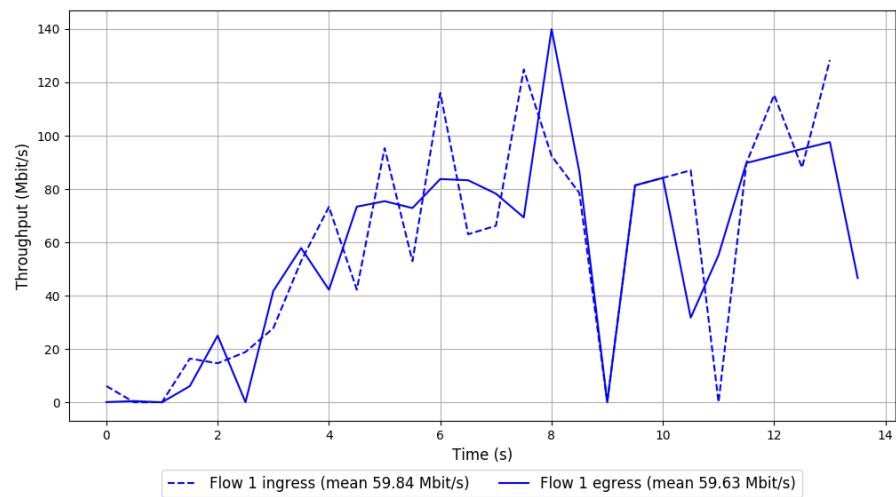


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-16 11:12:21

End at: 2018-01-16 11:12:51

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

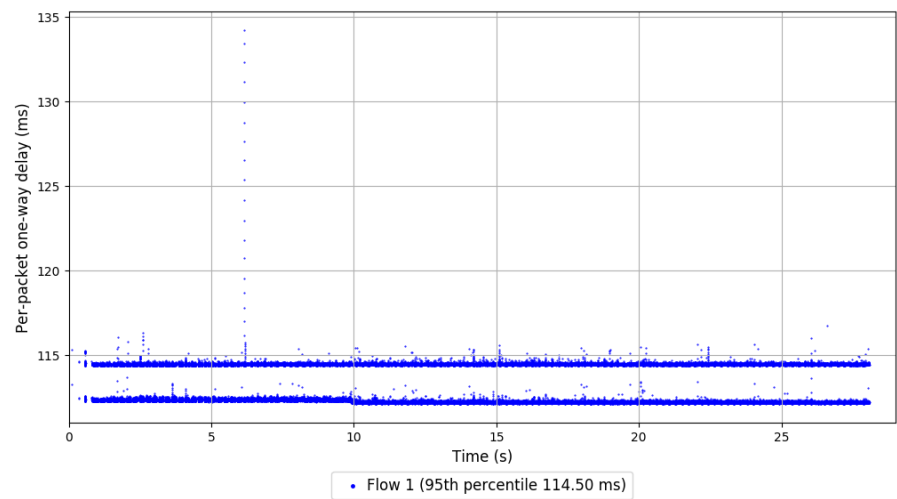
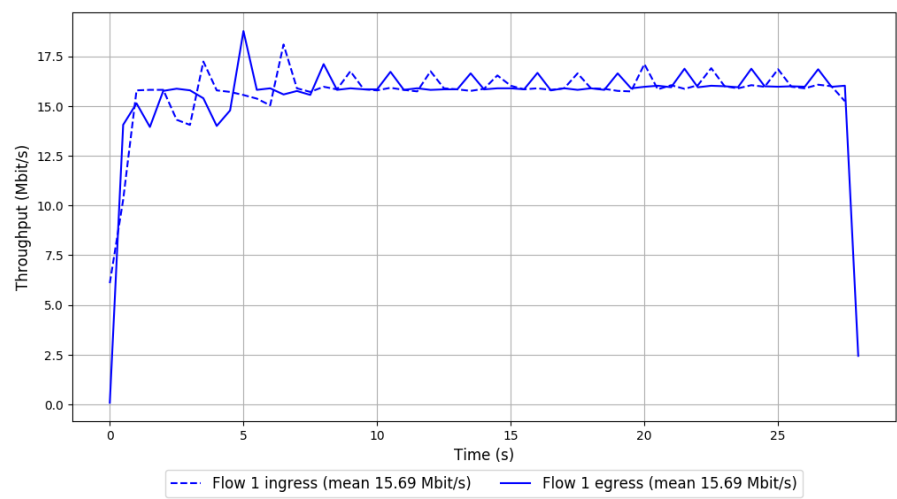


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-16 11:27:12
End at: 2018-01-16 11:27:43

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 114.496 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 114.496 ms
Loss rate: 0.01%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-16 11:41:49

End at: 2018-01-16 11:42:19

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.76 Mbit/s

95th percentile per-packet one-way delay: 112.387 ms

Loss rate: 0.00%

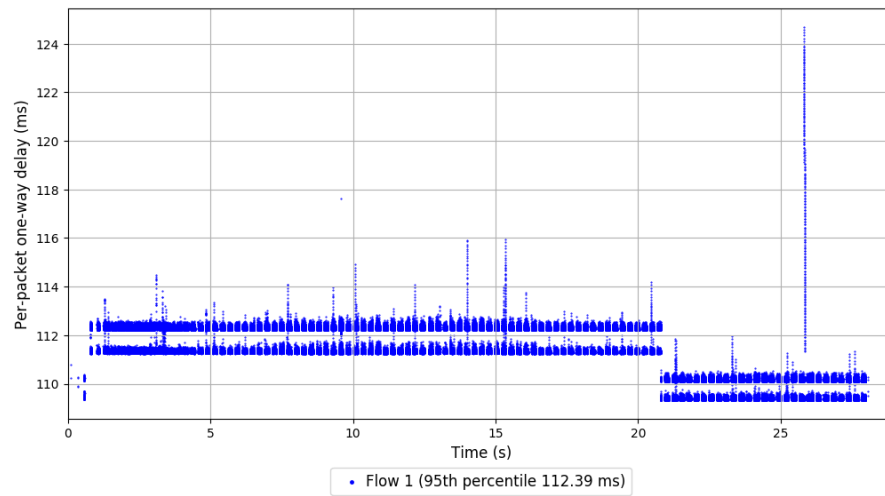
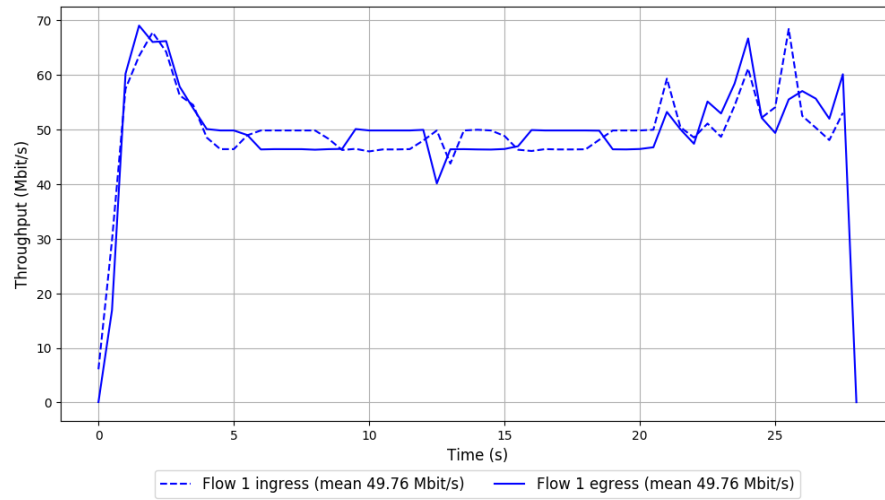
-- Flow 1:

Average throughput: 49.76 Mbit/s

95th percentile per-packet one-way delay: 112.387 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-16 11:57:12

End at: 2018-01-16 11:57:42

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.80 Mbit/s

95th percentile per-packet one-way delay: 112.343 ms

Loss rate: 0.00%

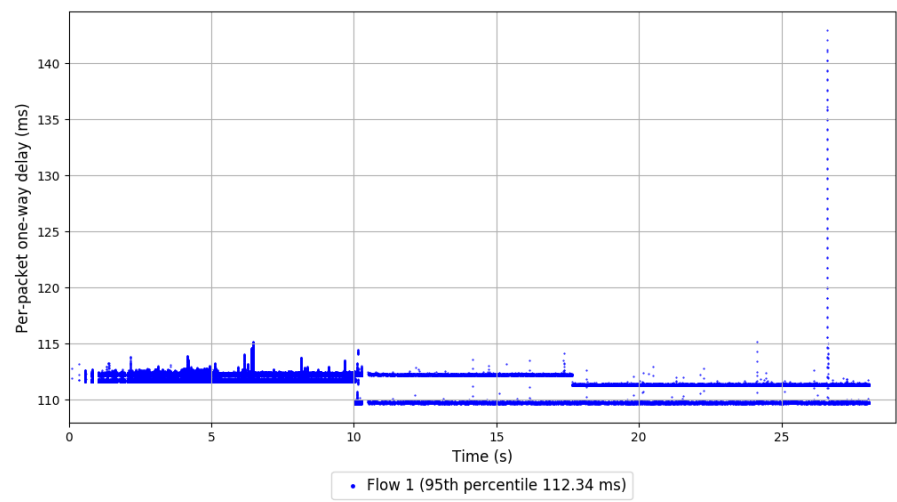
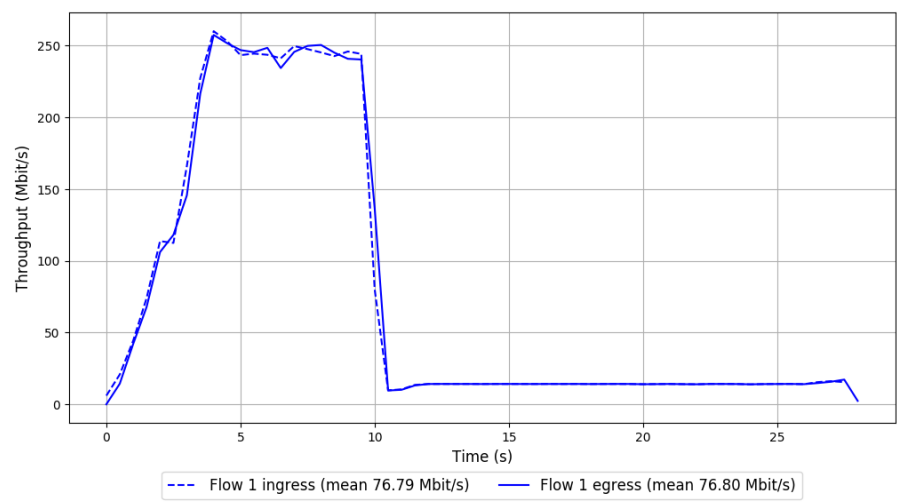
-- Flow 1:

Average throughput: 76.80 Mbit/s

95th percentile per-packet one-way delay: 112.343 ms

Loss rate: 0.00%

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

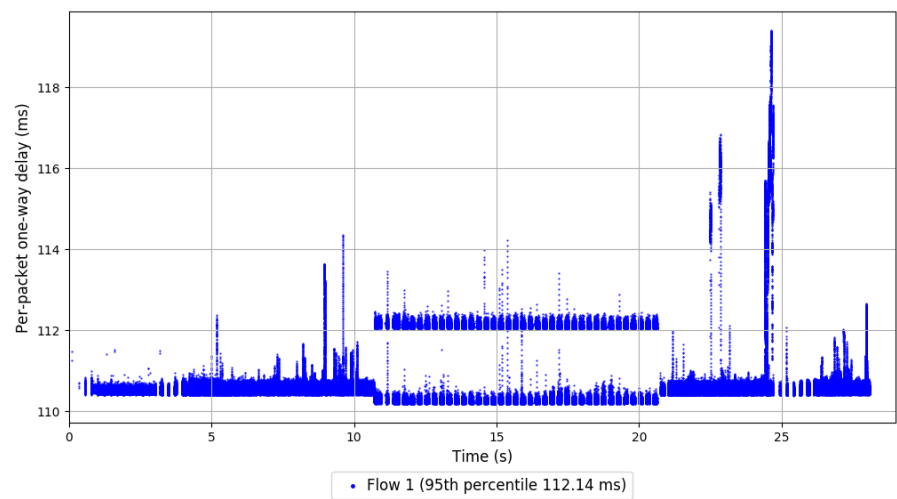
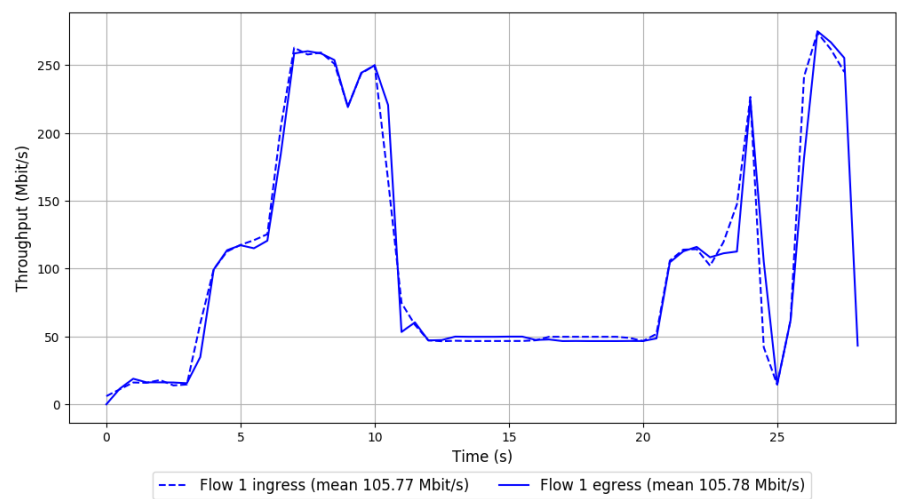


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-16 12:12:39
End at: 2018-01-16 12:13:09

# Below is generated by plot.py at 2018-01-16 13:48:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.78 Mbit/s
95th percentile per-packet one-way delay: 112.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.78 Mbit/s
95th percentile per-packet one-way delay: 112.144 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 09:56:23

End at: 2018-01-16 09:56:53

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 112.775 ms

Loss rate: 0.00%

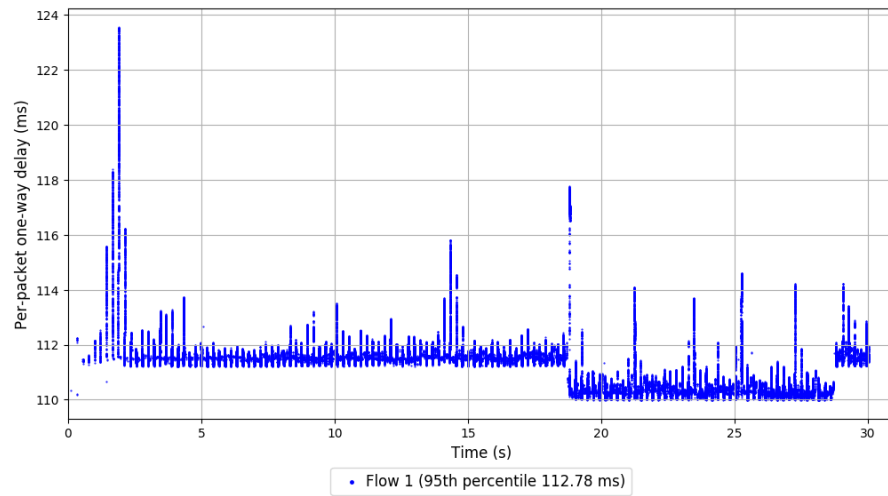
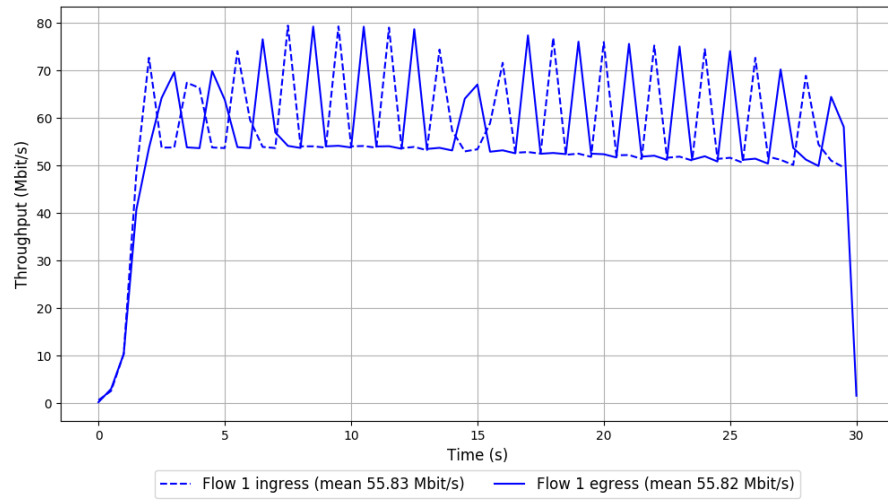
-- Flow 1:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 112.775 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

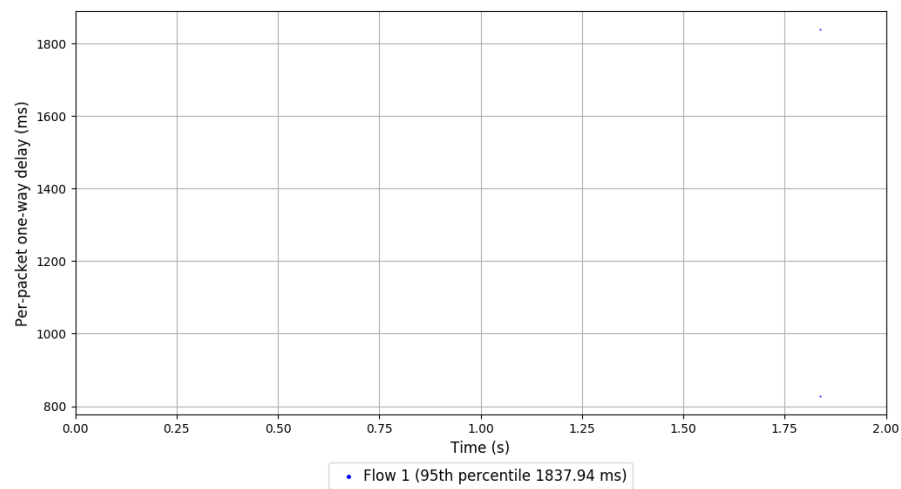
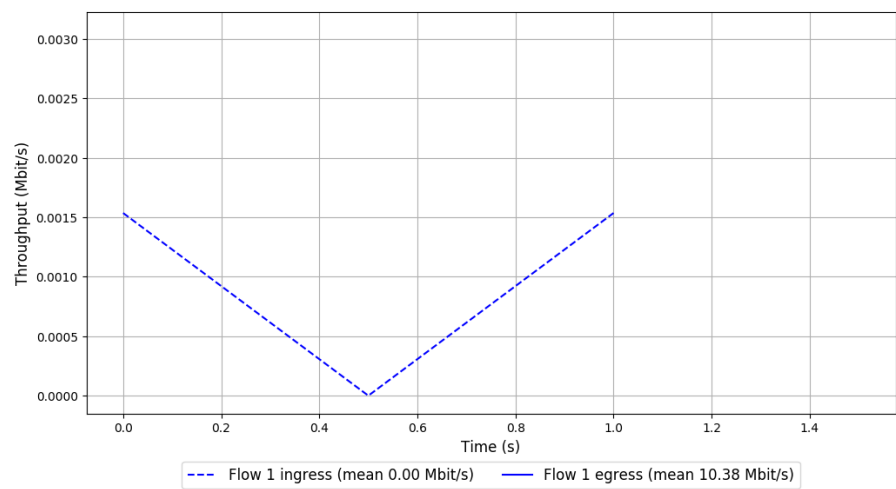


Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 10:11:46

End at: 2018-01-16 10:12:16

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-16 10:26:50

End at: 2018-01-16 10:27:20

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.62 Mbit/s

95th percentile per-packet one-way delay: 113.666 ms

Loss rate: 0.01%

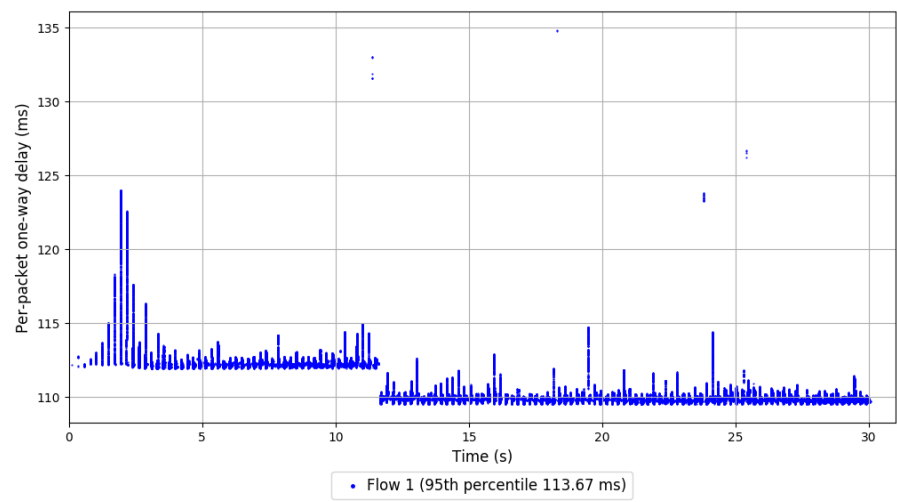
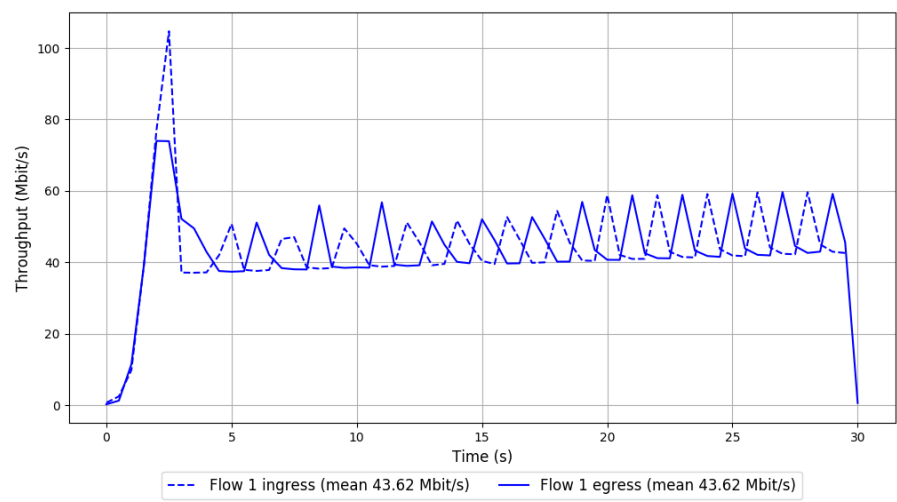
-- Flow 1:

Average throughput: 43.62 Mbit/s

95th percentile per-packet one-way delay: 113.666 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-16 10:41:54

End at: 2018-01-16 10:42:24

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.56 Mbit/s

95th percentile per-packet one-way delay: 113.154 ms

Loss rate: 3.22%

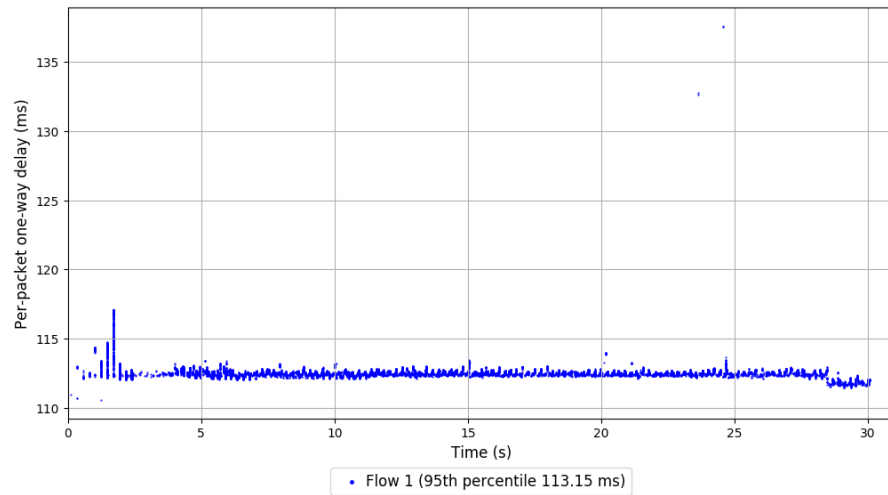
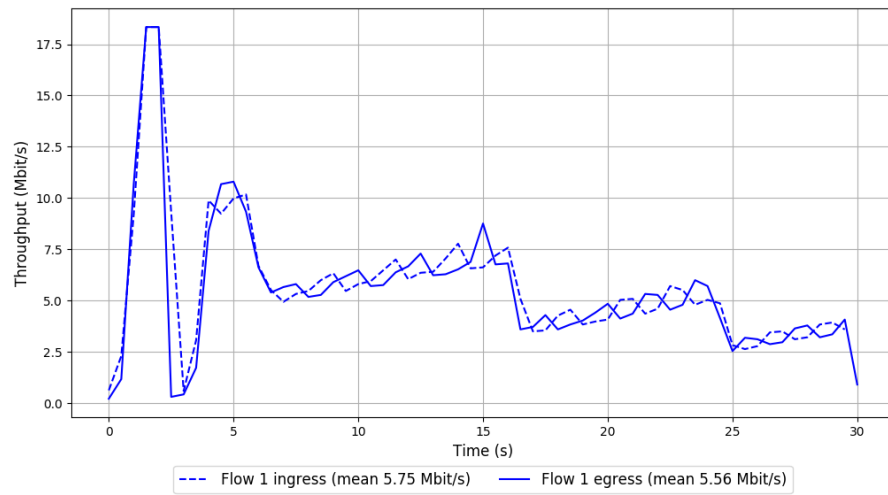
-- Flow 1:

Average throughput: 5.56 Mbit/s

95th percentile per-packet one-way delay: 113.154 ms

Loss rate: 3.22%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-16 10:56:40

End at: 2018-01-16 10:57:10

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 113.639 ms

Loss rate: 1.72%

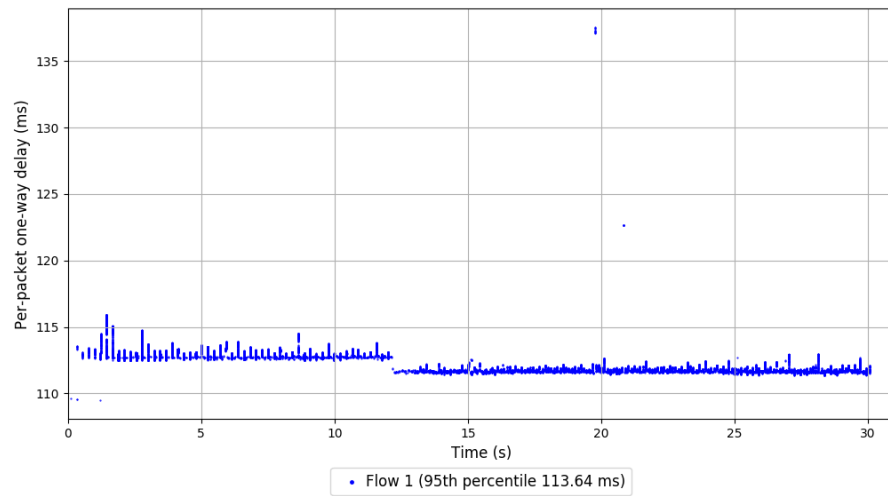
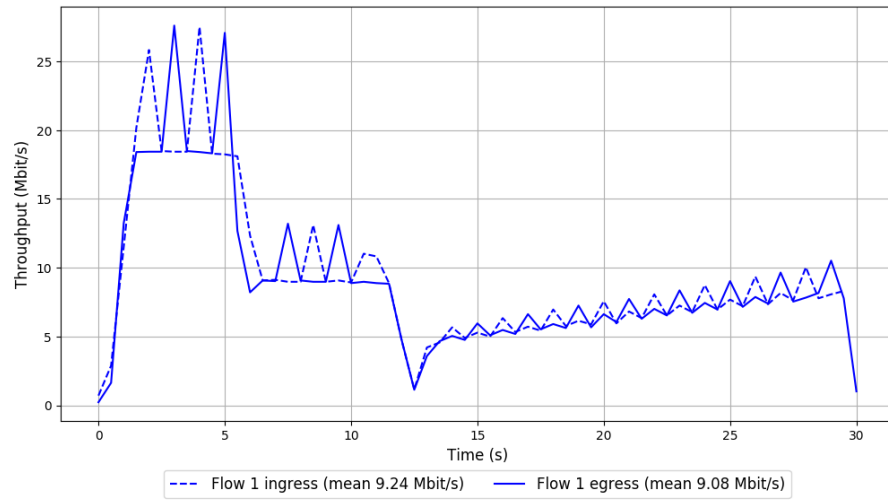
-- Flow 1:

Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 113.639 ms

Loss rate: 1.72%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-16 11:11:39

End at: 2018-01-16 11:12:09

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: 115.230 ms

Loss rate: 0.64%

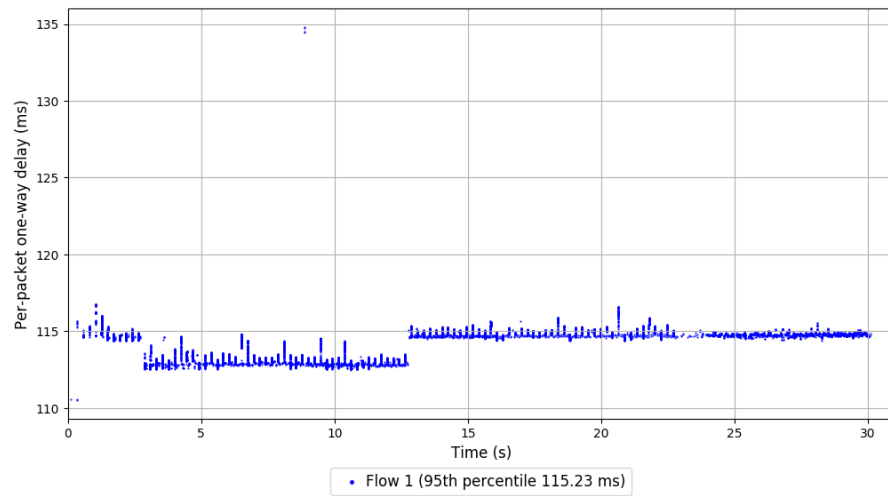
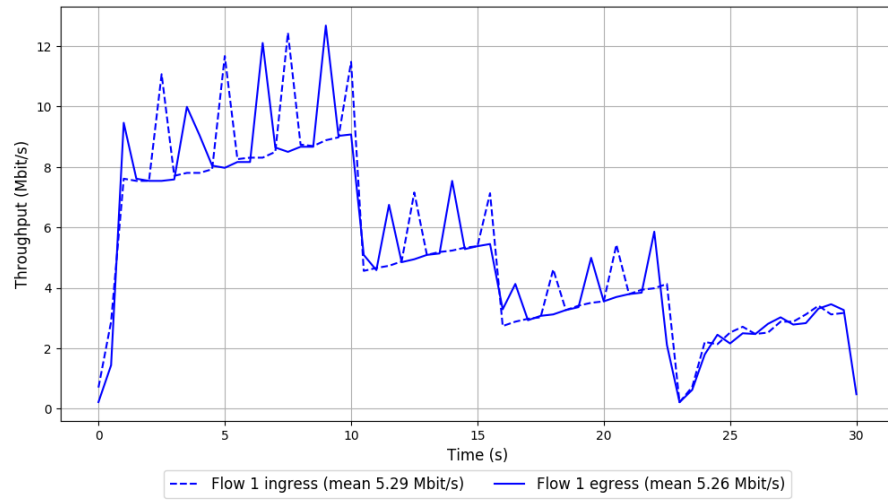
-- Flow 1:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: 115.230 ms

Loss rate: 0.64%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-16 11:26:28

End at: 2018-01-16 11:26:58

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.17 Mbit/s

95th percentile per-packet one-way delay: 117.505 ms

Loss rate: 0.01%

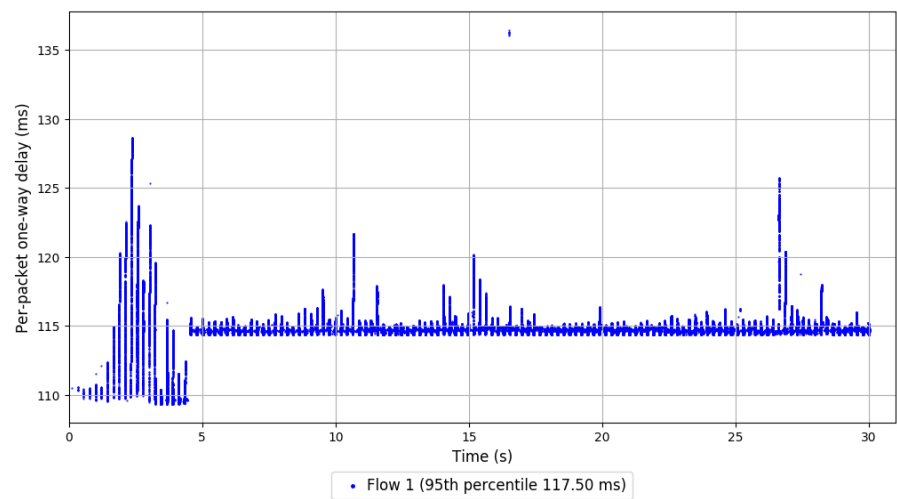
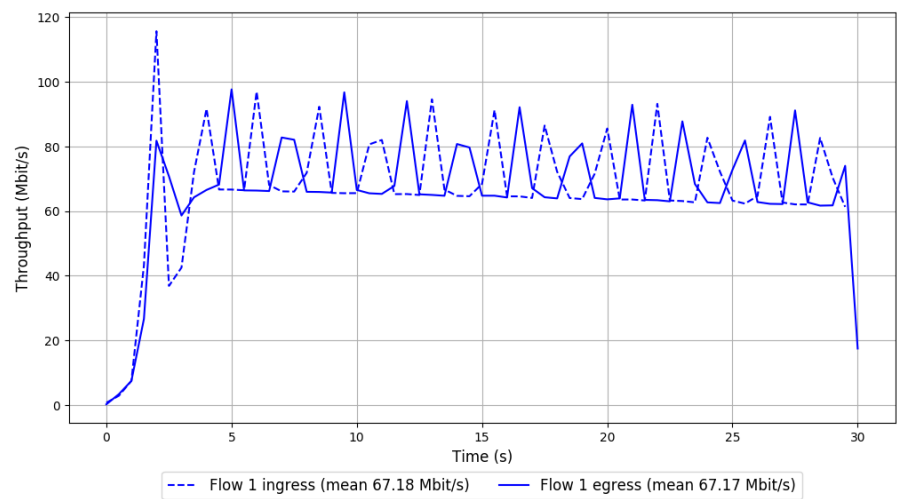
-- Flow 1:

Average throughput: 67.17 Mbit/s

95th percentile per-packet one-way delay: 117.505 ms

Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-16 11:41:05

End at: 2018-01-16 11:41:35

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 121.343 ms

Loss rate: 0.01%

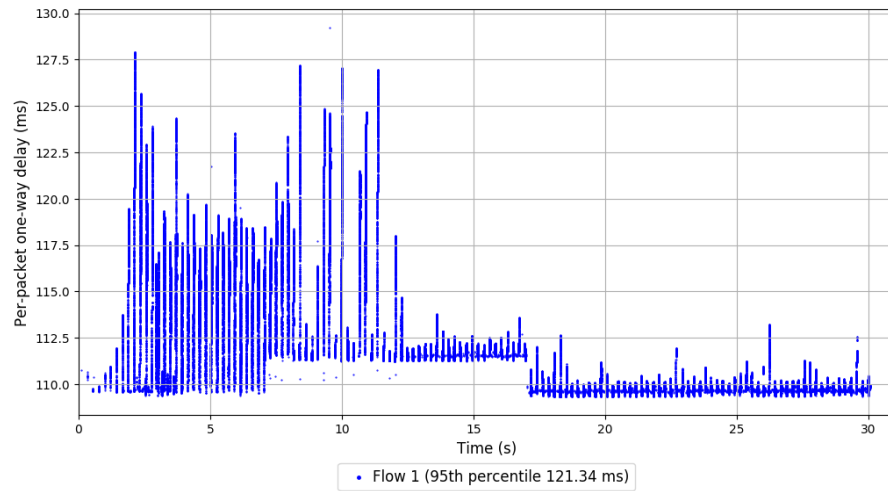
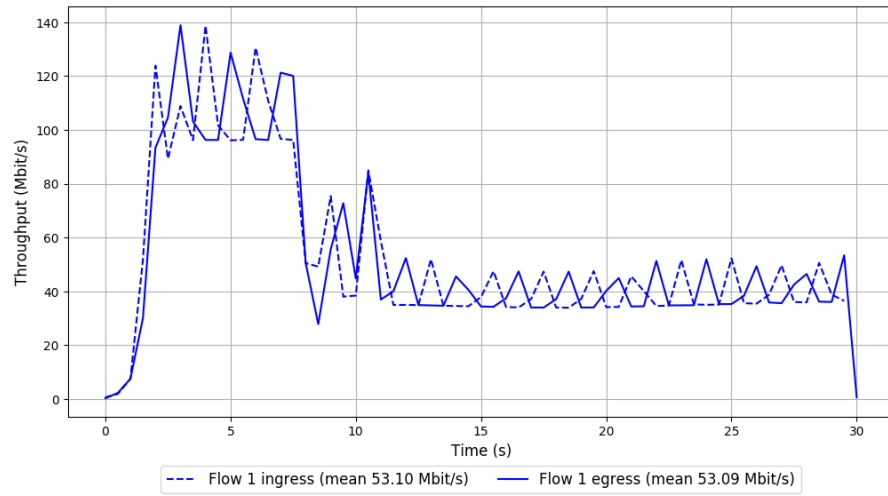
-- Flow 1:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 121.343 ms

Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-16 11:56:29

End at: 2018-01-16 11:56:59

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.07 Mbit/s

95th percentile per-packet one-way delay: 113.481 ms

Loss rate: 0.00%

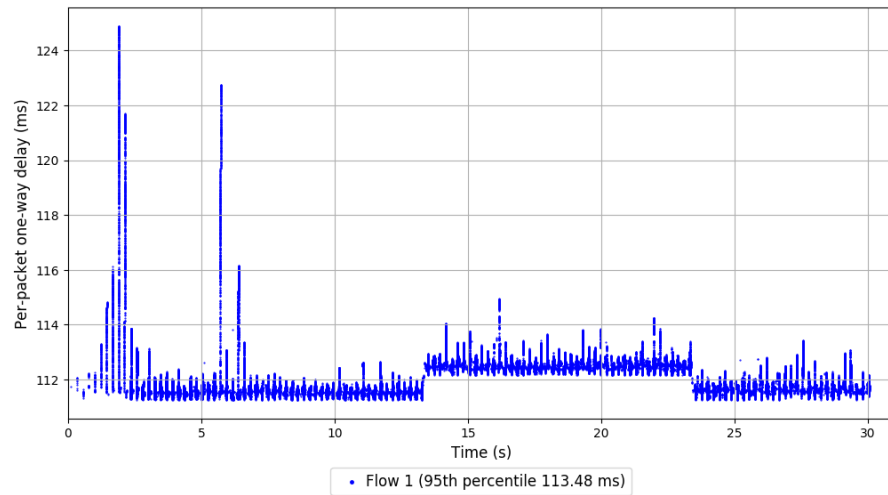
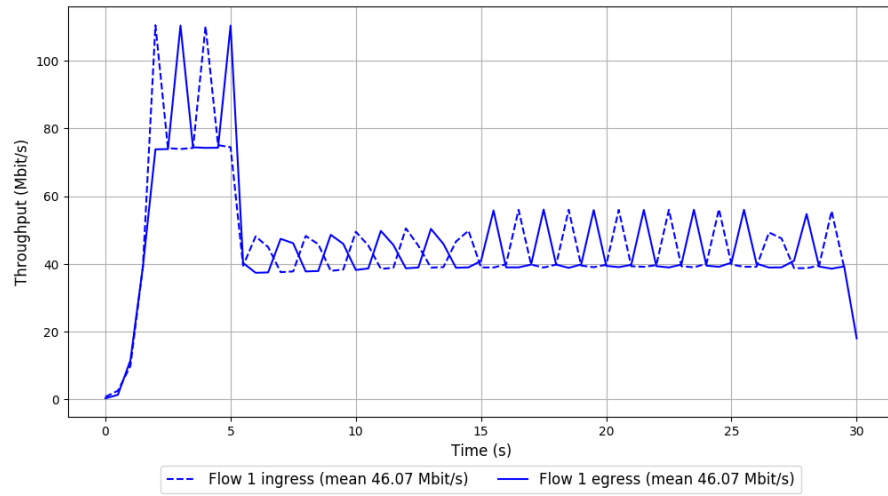
-- Flow 1:

Average throughput: 46.07 Mbit/s

95th percentile per-packet one-way delay: 113.481 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-16 12:11:52

End at: 2018-01-16 12:12:22

Below is generated by plot.py at 2018-01-16 13:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.61 Mbit/s

95th percentile per-packet one-way delay: 120.404 ms

Loss rate: 0.00%

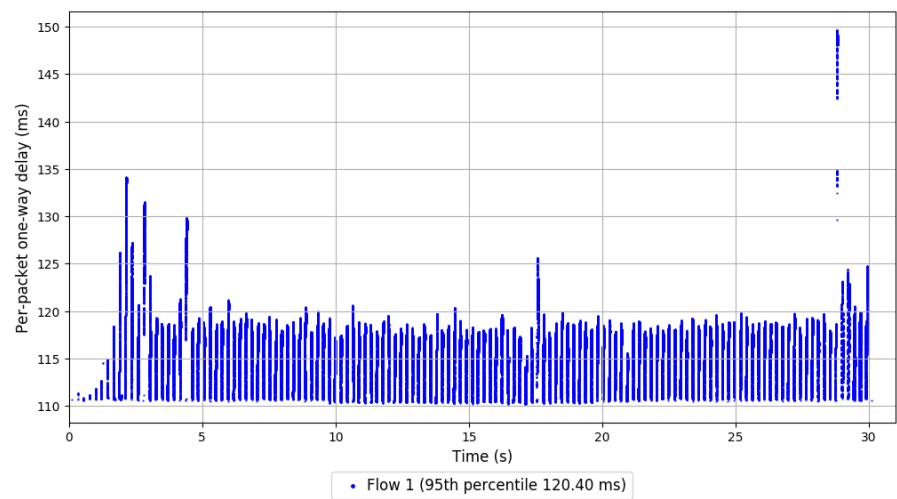
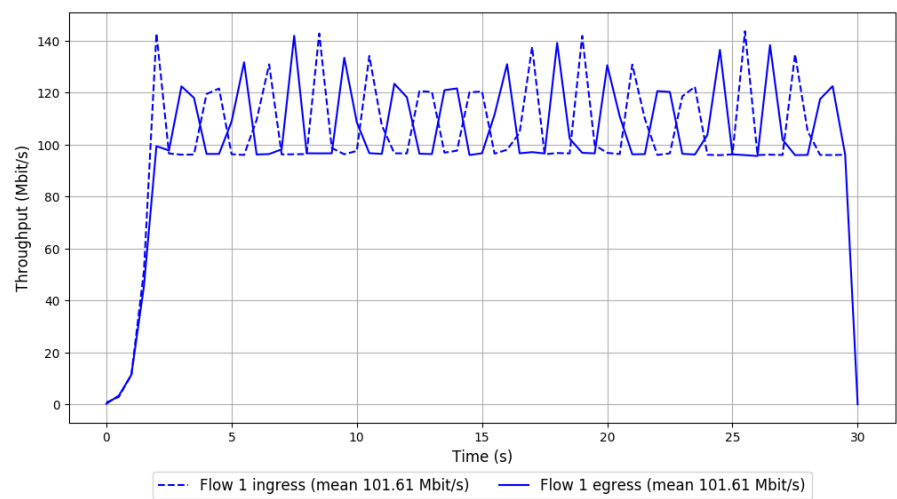
-- Flow 1:

Average throughput: 101.61 Mbit/s

95th percentile per-packet one-way delay: 120.404 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

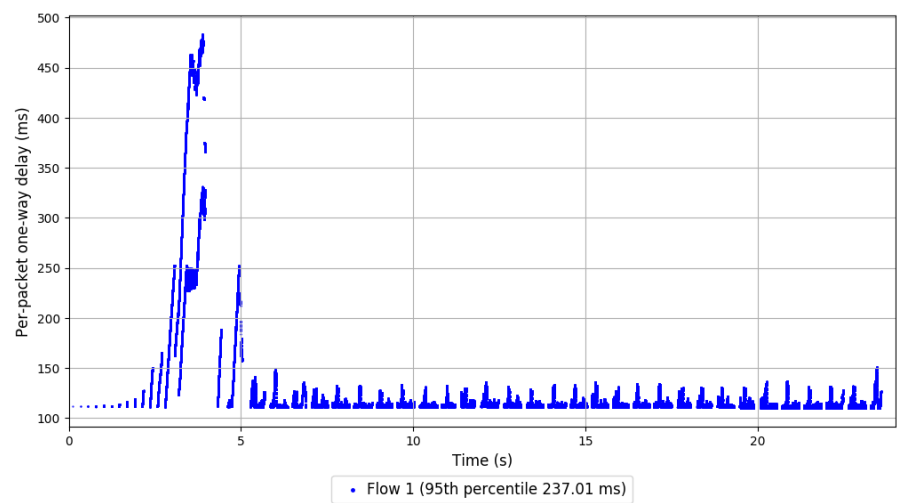
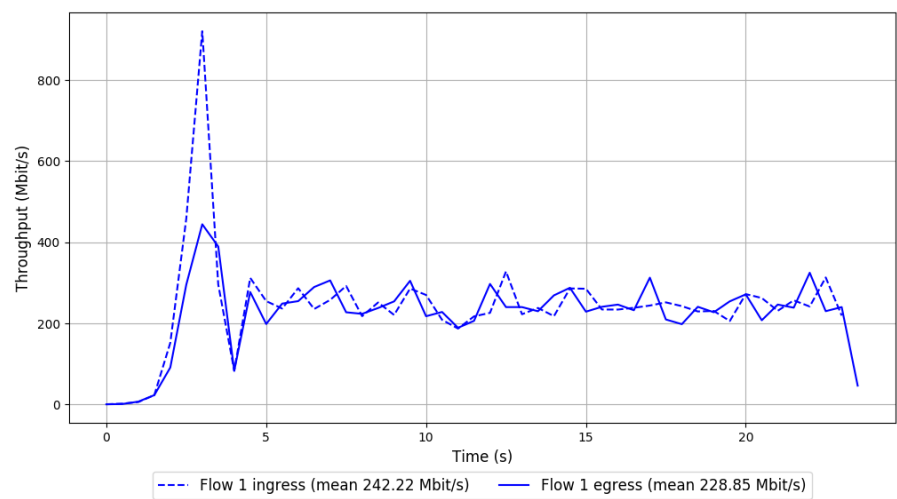


Run 1: Statistics of Verus

Start at: 2018-01-16 10:02:06

End at: 2018-01-16 10:02:36

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-16 10:17:22

End at: 2018-01-16 10:17:53

Below is generated by plot.py at 2018-01-16 13:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.11 Mbit/s

95th percentile per-packet one-way delay: 203.325 ms

Loss rate: 2.73%

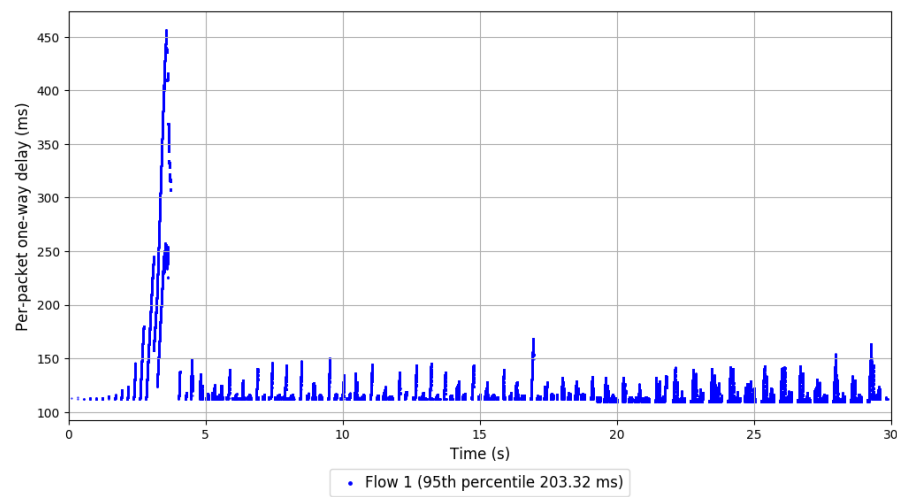
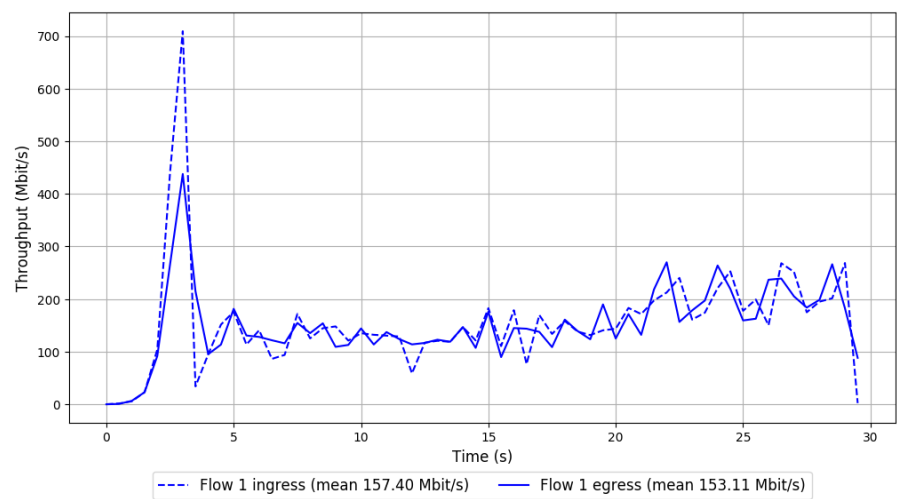
-- Flow 1:

Average throughput: 153.11 Mbit/s

95th percentile per-packet one-way delay: 203.325 ms

Loss rate: 2.73%

Run 2: Report of Verus — Data Link

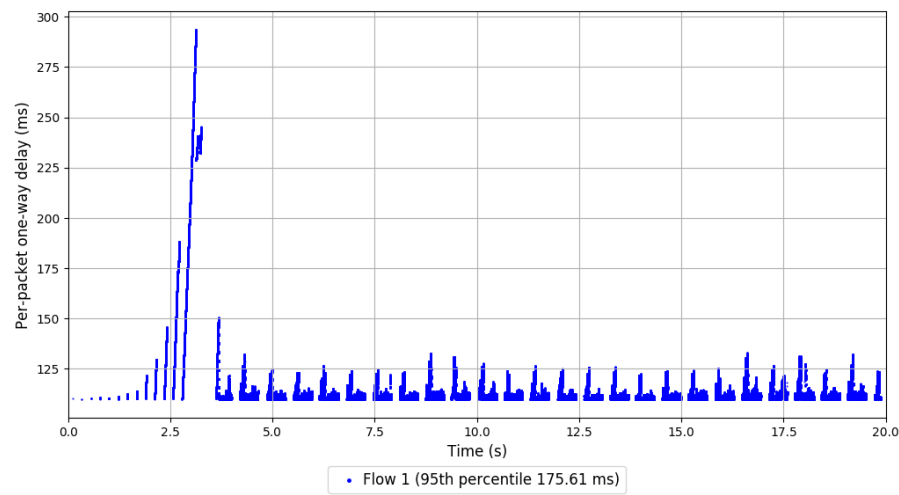
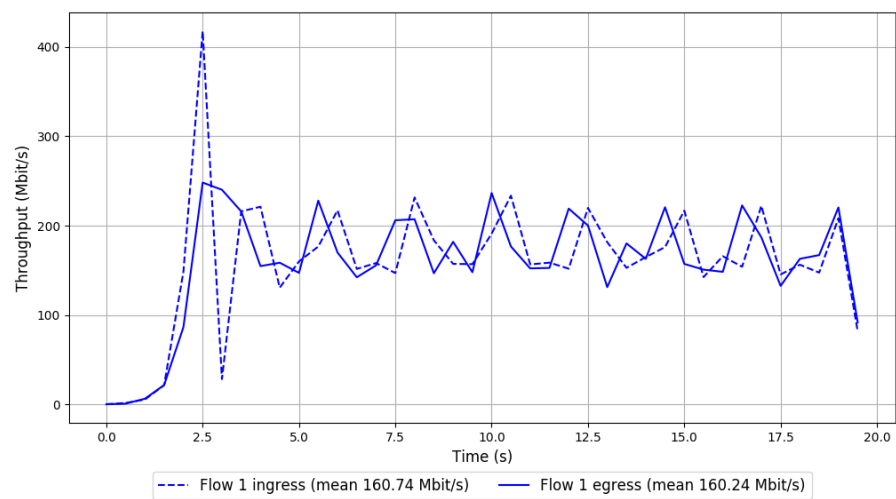


Run 3: Statistics of Verus

Start at: 2018-01-16 10:32:31

End at: 2018-01-16 10:33:01

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-16 10:47:22

End at: 2018-01-16 10:47:52

Below is generated by plot.py at 2018-01-16 13:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.33 Mbit/s

95th percentile per-packet one-way delay: 163.882 ms

Loss rate: 0.32%

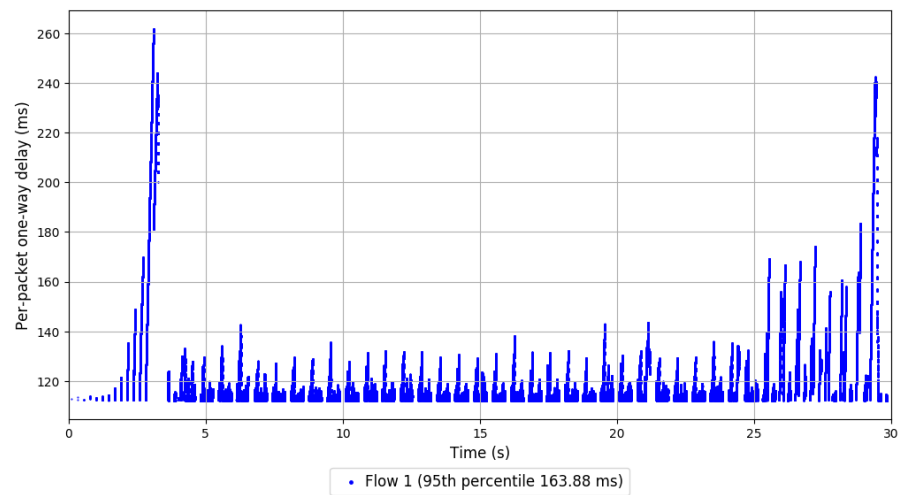
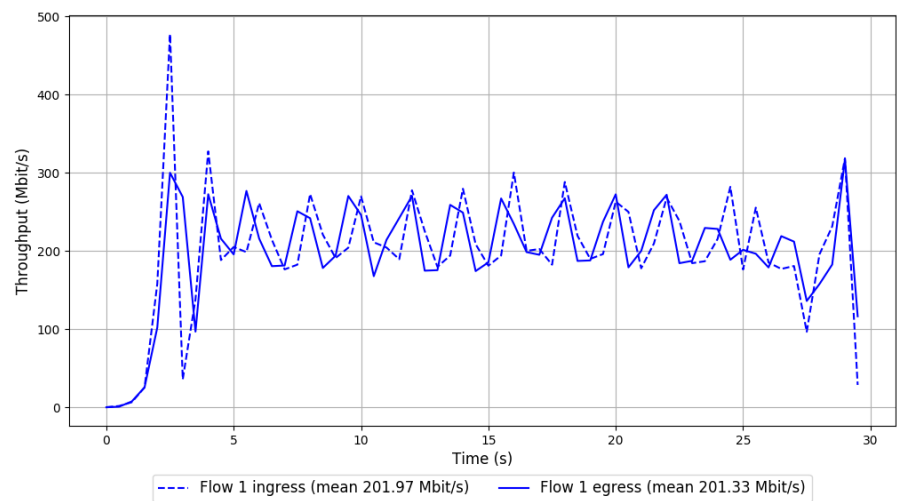
-- Flow 1:

Average throughput: 201.33 Mbit/s

95th percentile per-packet one-way delay: 163.882 ms

Loss rate: 0.32%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-16 11:02:28

End at: 2018-01-16 11:02:58

Below is generated by plot.py at 2018-01-16 13:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.89 Mbit/s

95th percentile per-packet one-way delay: 201.318 ms

Loss rate: 2.23%

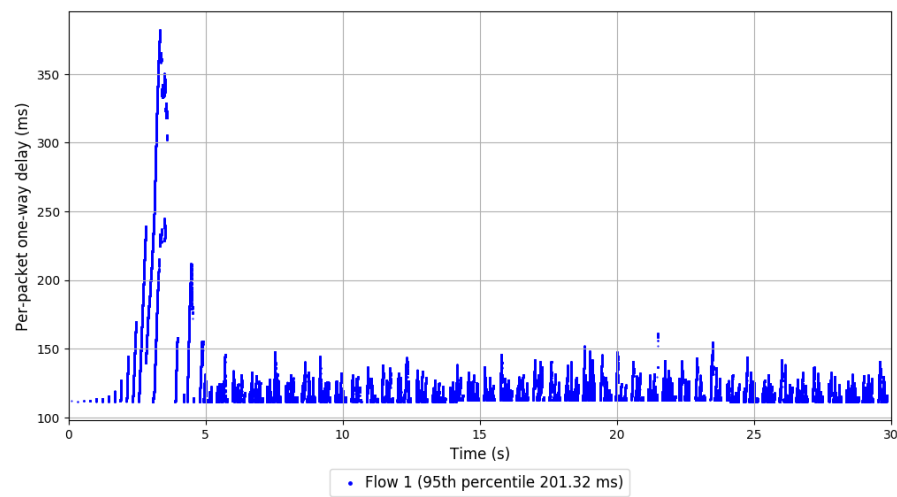
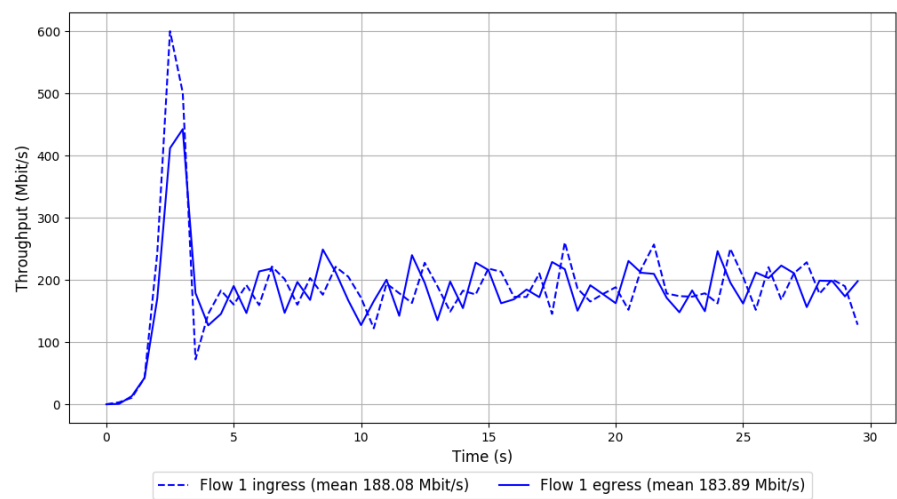
-- Flow 1:

Average throughput: 183.89 Mbit/s

95th percentile per-packet one-way delay: 201.318 ms

Loss rate: 2.23%

Run 5: Report of Verus — Data Link

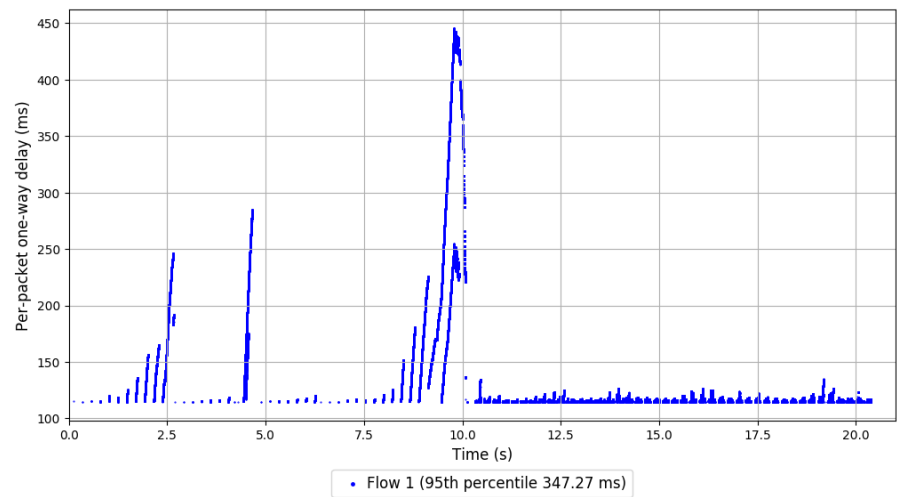
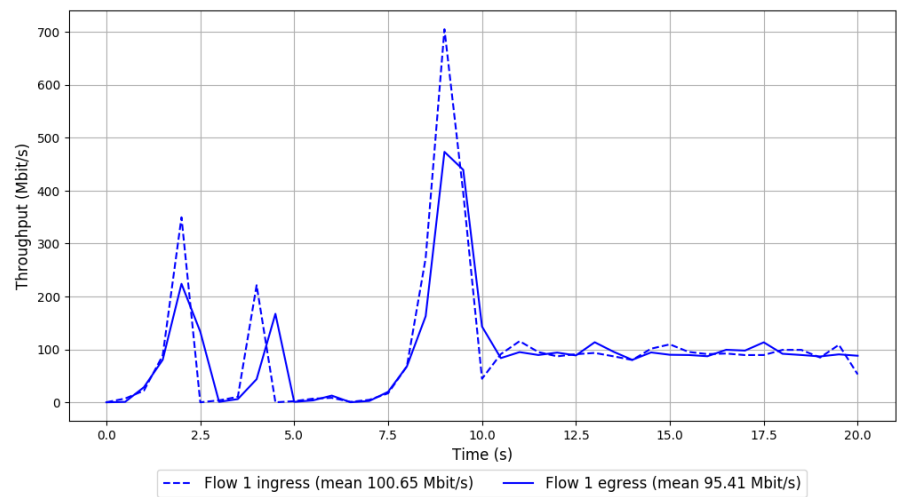


Run 6: Statistics of Verus

Start at: 2018-01-16 11:17:16

End at: 2018-01-16 11:17:46

Run 6: Report of Verus — Data Link

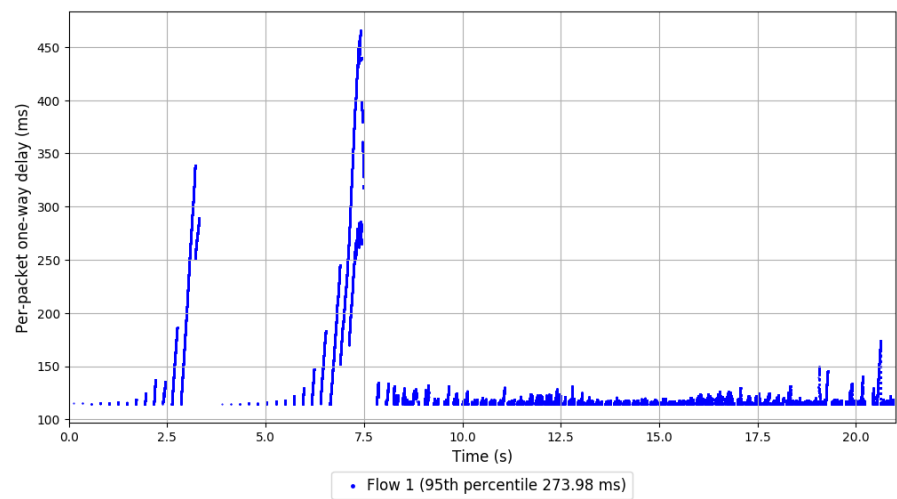
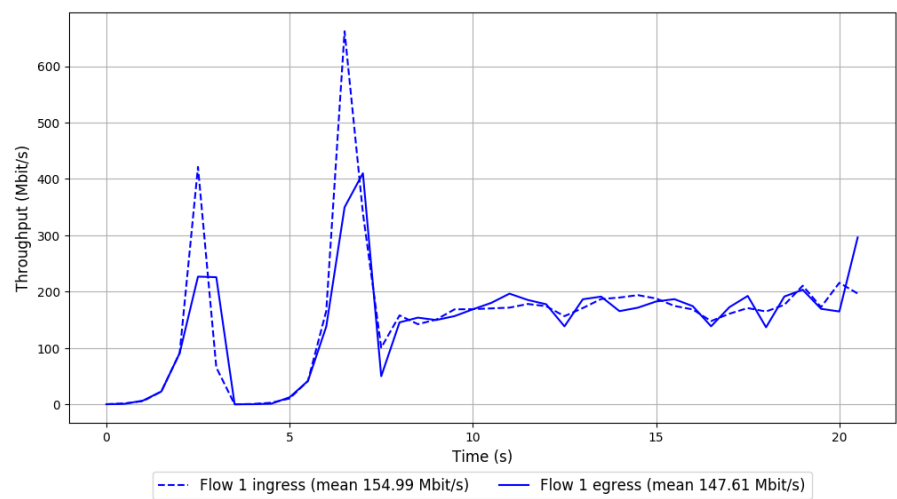


Run 7: Statistics of Verus

Start at: 2018-01-16 11:32:04

End at: 2018-01-16 11:32:34

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-16 11:46:50

End at: 2018-01-16 11:47:20

Below is generated by plot.py at 2018-01-16 13:51:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.91 Mbit/s

95th percentile per-packet one-way delay: 300.318 ms

Loss rate: 3.11%

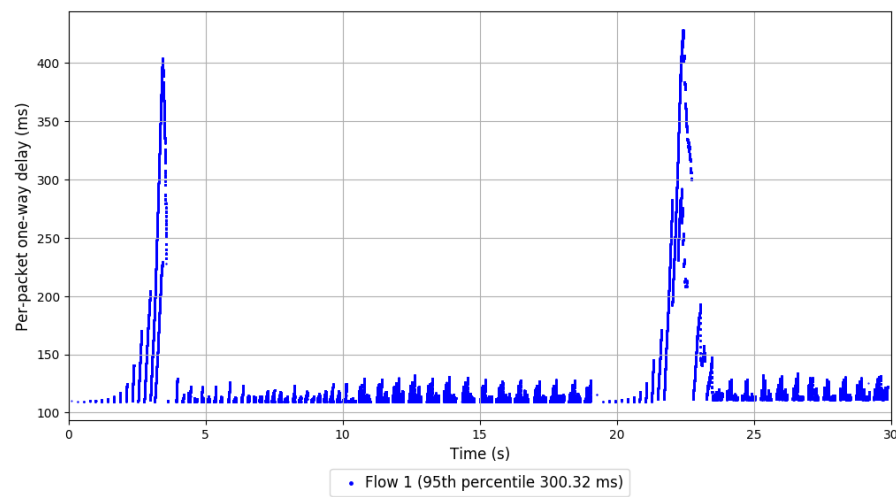
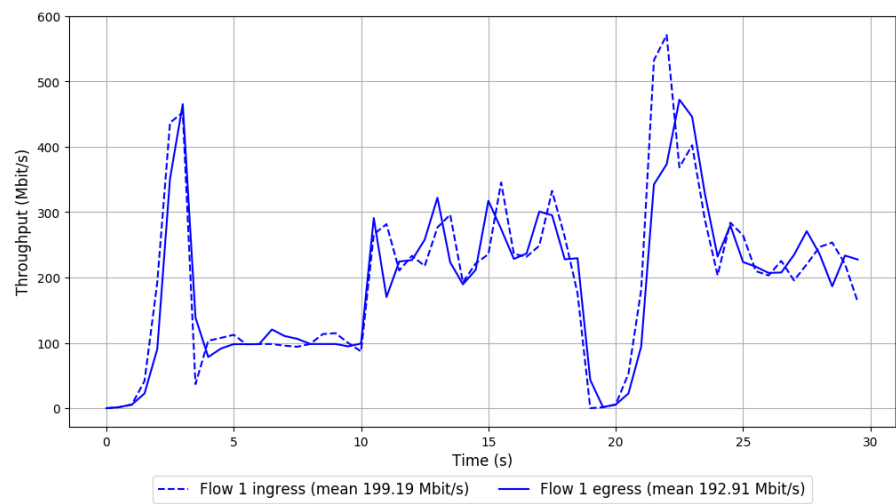
-- Flow 1:

Average throughput: 192.91 Mbit/s

95th percentile per-packet one-way delay: 300.318 ms

Loss rate: 3.11%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-16 12:02:14

End at: 2018-01-16 12:02:44

Below is generated by plot.py at 2018-01-16 13:51:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.12 Mbit/s

95th percentile per-packet one-way delay: 230.462 ms

Loss rate: 3.88%

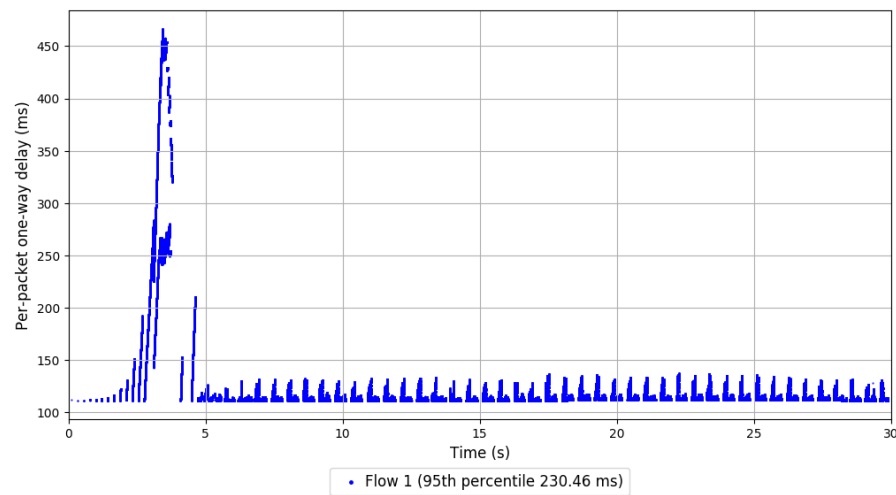
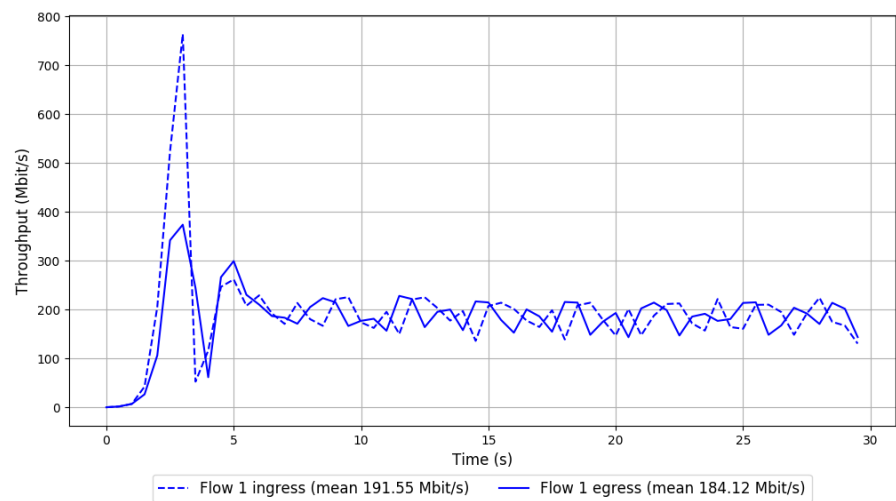
-- Flow 1:

Average throughput: 184.12 Mbit/s

95th percentile per-packet one-way delay: 230.462 ms

Loss rate: 3.88%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-16 12:17:42

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

Below is generated by plot.py at 2018-01-16 13:51:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.38 Mbit/s

95th percentile per-packet one-way delay: 190.903 ms

Loss rate: 0.82%

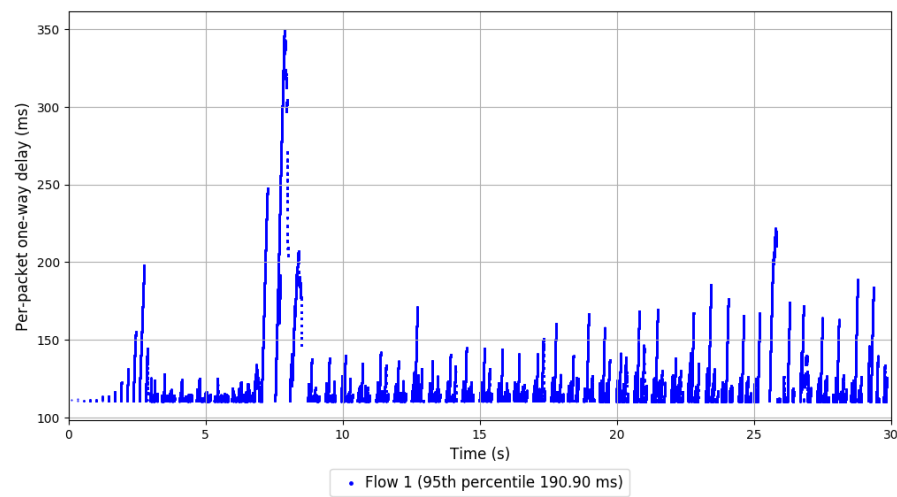
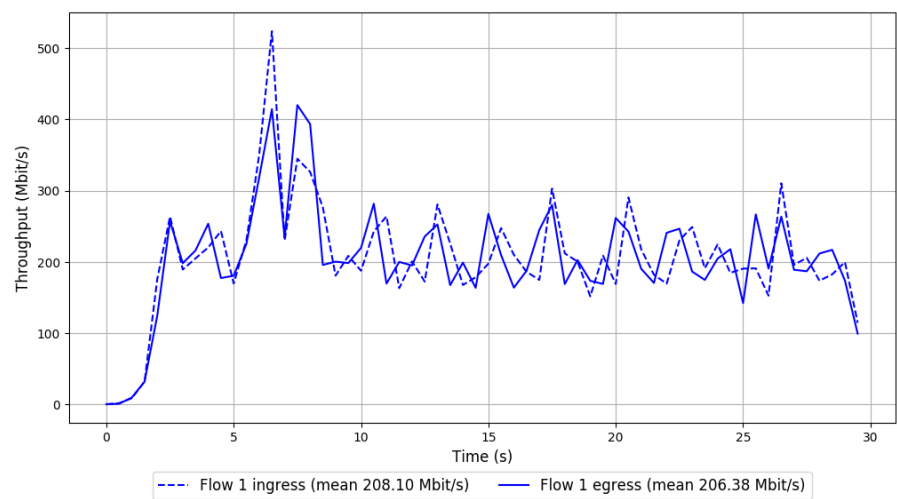
-- Flow 1:

Average throughput: 206.38 Mbit/s

95th percentile per-packet one-way delay: 190.903 ms

Loss rate: 0.82%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-16 10:03:41

End at: 2018-01-16 10:04:11

Below is generated by plot.py at 2018-01-16 13:51:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.18 Mbit/s

95th percentile per-packet one-way delay: 111.431 ms

Loss rate: 0.00%

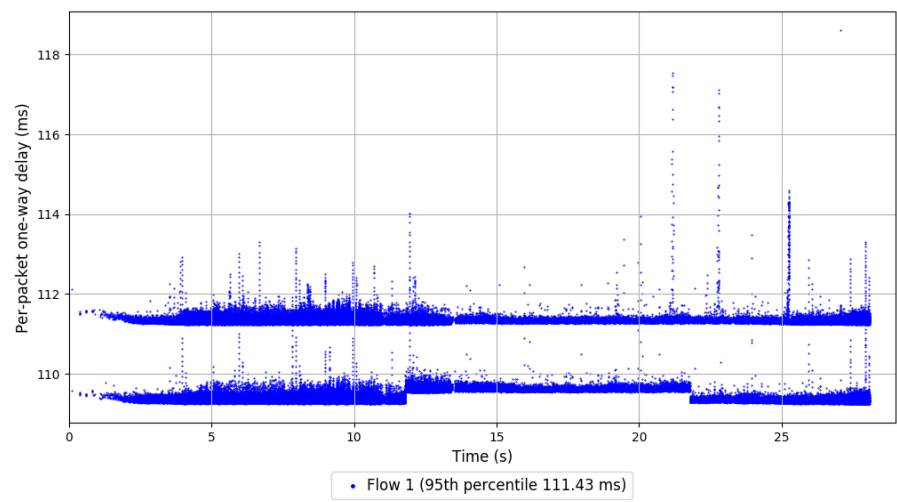
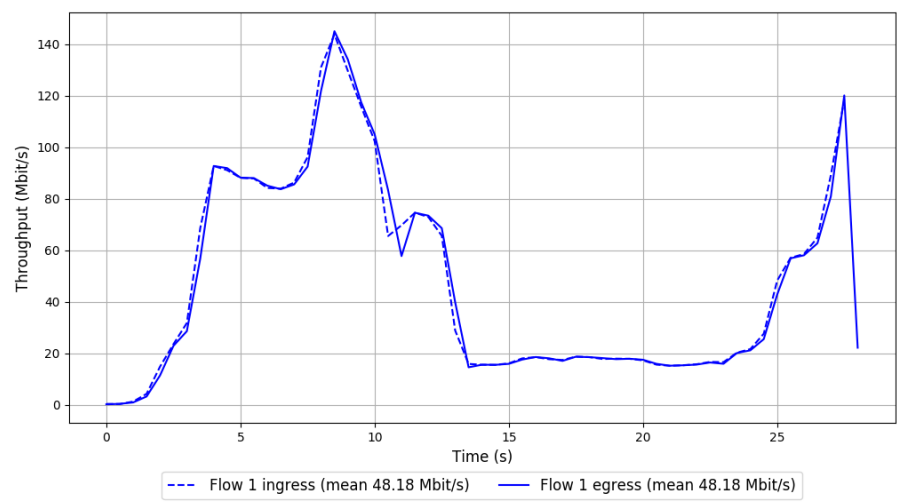
-- Flow 1:

Average throughput: 48.18 Mbit/s

95th percentile per-packet one-way delay: 111.431 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-16 10:18:55

End at: 2018-01-16 10:19:26

Below is generated by plot.py at 2018-01-16 13:51:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.67 Mbit/s

95th percentile per-packet one-way delay: 112.533 ms

Loss rate: 0.00%

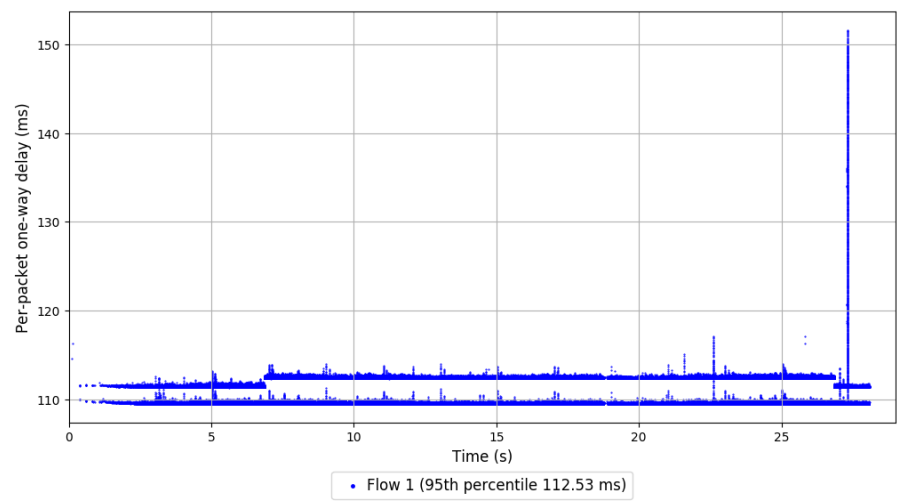
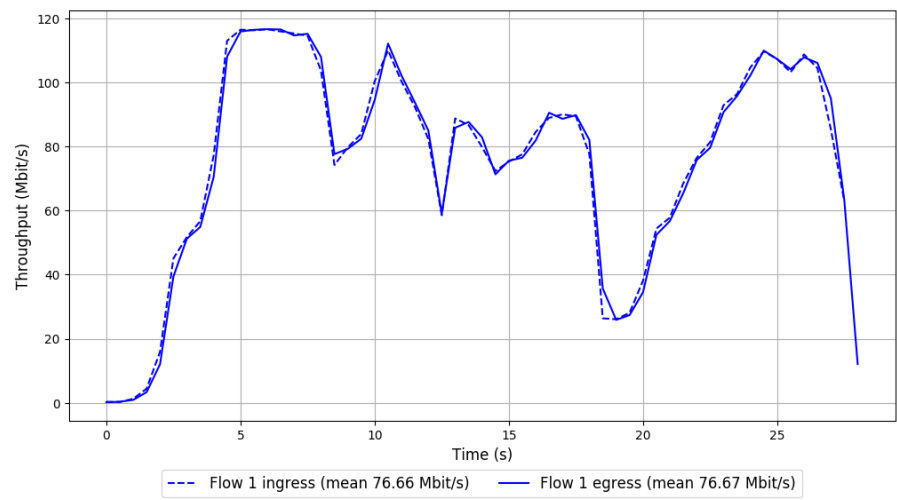
-- Flow 1:

Average throughput: 76.67 Mbit/s

95th percentile per-packet one-way delay: 112.533 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-16 10:34:01

End at: 2018-01-16 10:34:31

Below is generated by plot.py at 2018-01-16 13:51:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.74 Mbit/s

95th percentile per-packet one-way delay: 112.049 ms

Loss rate: 0.00%

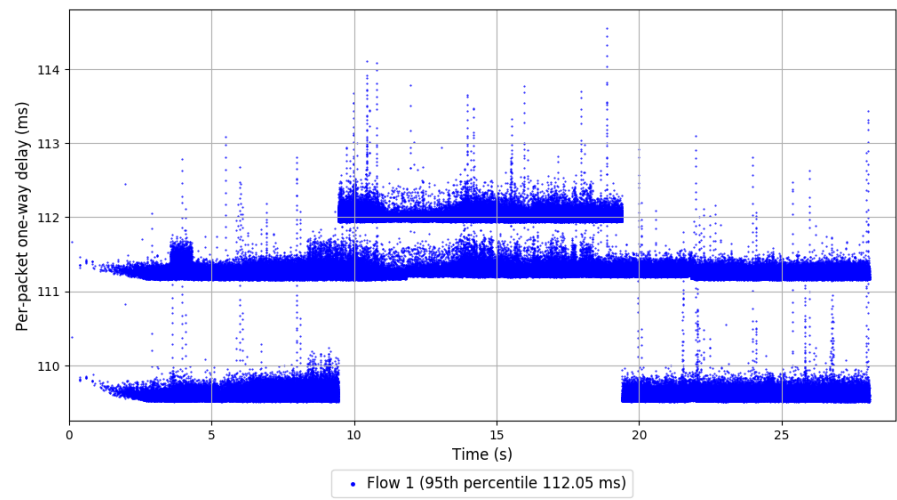
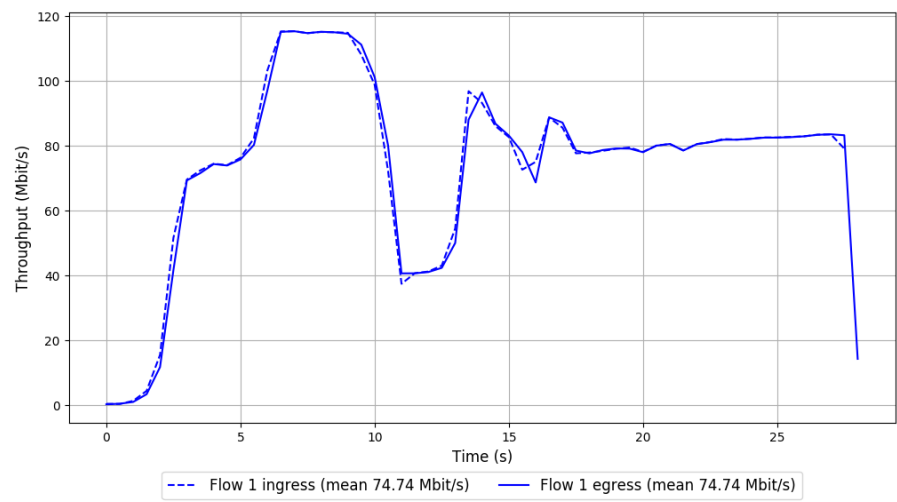
-- Flow 1:

Average throughput: 74.74 Mbit/s

95th percentile per-packet one-way delay: 112.049 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-16 10:48:58

End at: 2018-01-16 10:49:28

Below is generated by plot.py at 2018-01-16 13:51:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.01 Mbit/s

95th percentile per-packet one-way delay: 113.392 ms

Loss rate: 0.00%

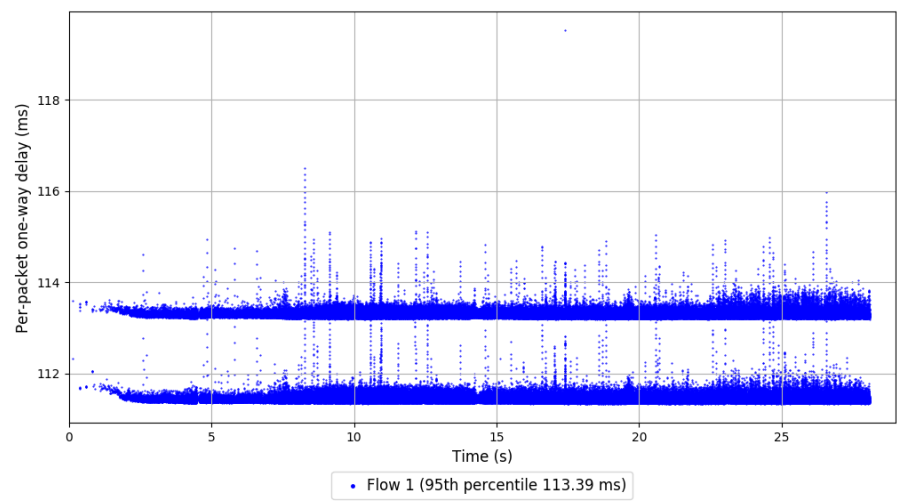
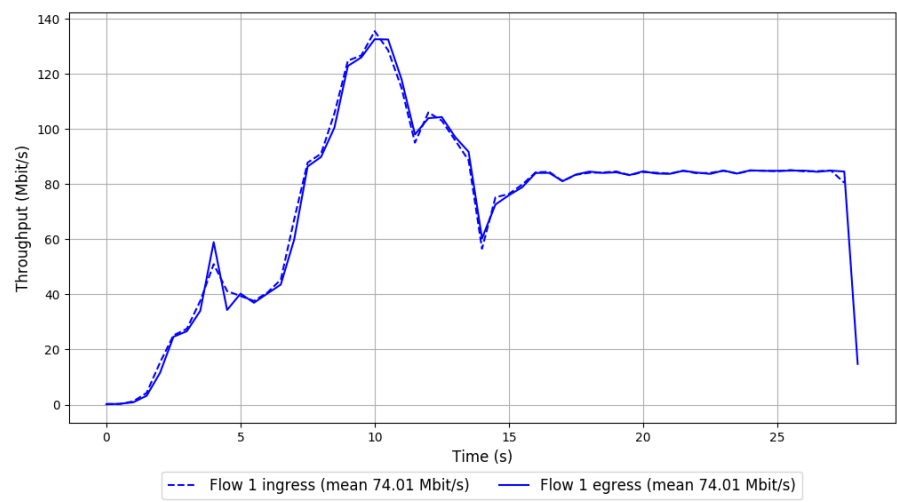
-- Flow 1:

Average throughput: 74.01 Mbit/s

95th percentile per-packet one-way delay: 113.392 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-16 11:04:03

End at: 2018-01-16 11:04:33

Below is generated by plot.py at 2018-01-16 13:51:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 111.563 ms

Loss rate: 0.00%

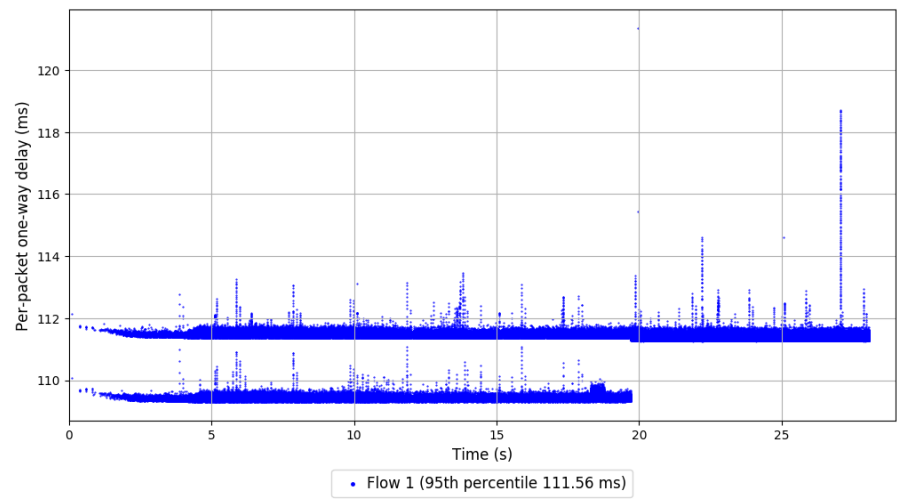
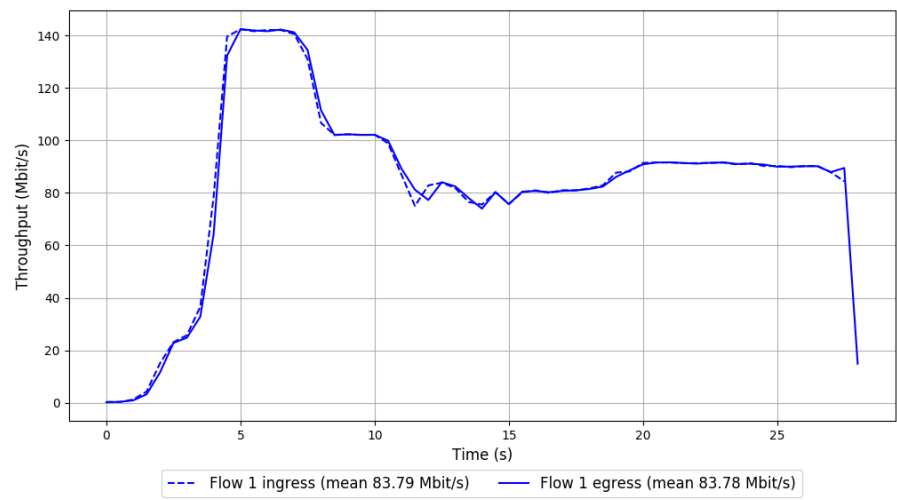
-- Flow 1:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 111.563 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-16 11:18:43

End at: 2018-01-16 11:19:13

Below is generated by plot.py at 2018-01-16 13:52:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.11 Mbit/s

95th percentile per-packet one-way delay: 114.538 ms

Loss rate: 0.00%

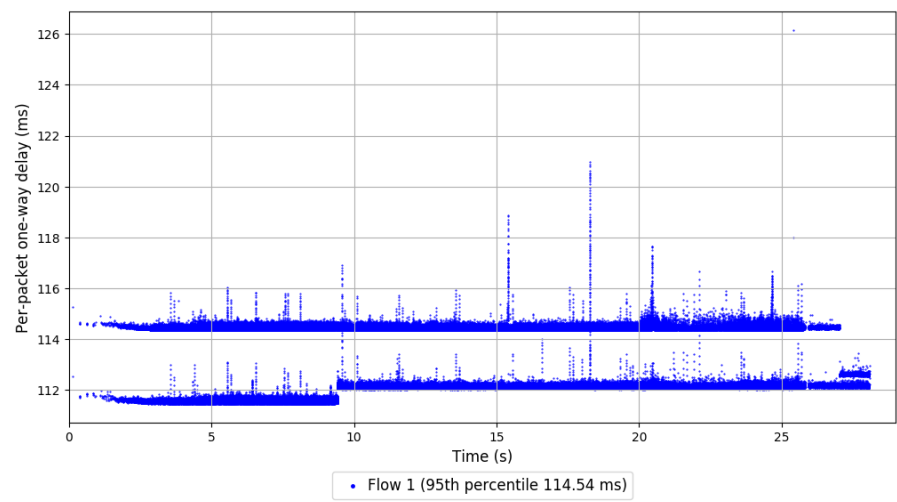
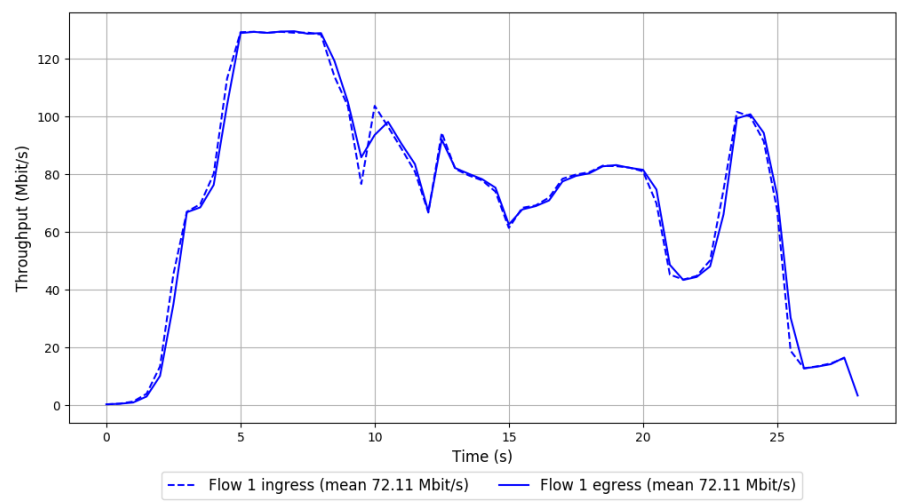
-- Flow 1:

Average throughput: 72.11 Mbit/s

95th percentile per-packet one-way delay: 114.538 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-16 11:33:33

End at: 2018-01-16 11:34:03

Below is generated by plot.py at 2018-01-16 13:52:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.65 Mbit/s

95th percentile per-packet one-way delay: 114.404 ms

Loss rate: 0.00%

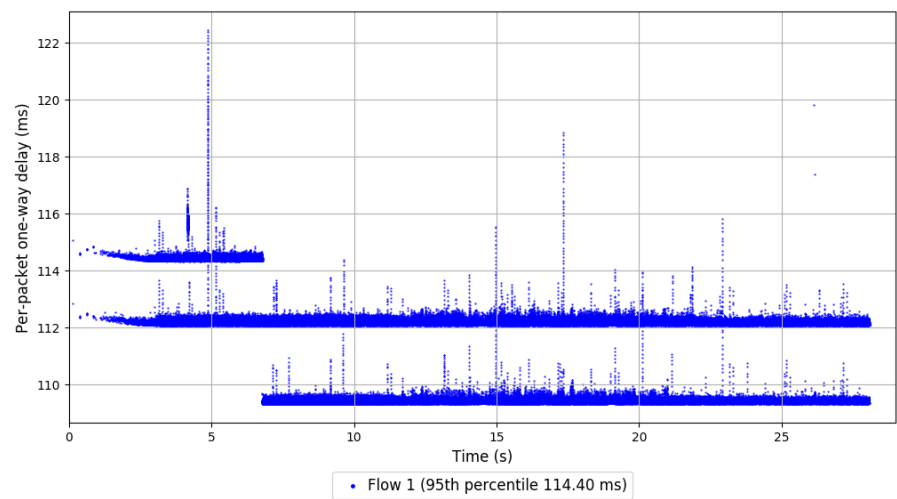
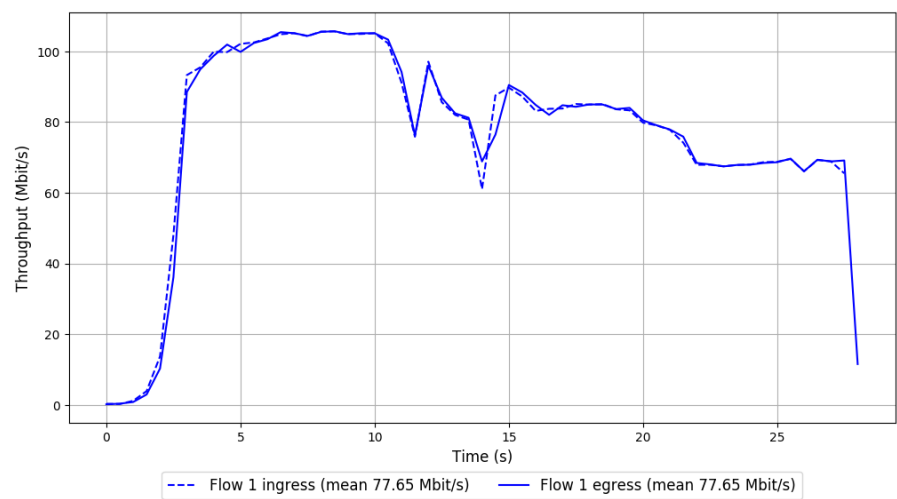
-- Flow 1:

Average throughput: 77.65 Mbit/s

95th percentile per-packet one-way delay: 114.404 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-16 11:48:26

End at: 2018-01-16 11:48:56

Below is generated by plot.py at 2018-01-16 13:52:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.55 Mbit/s

95th percentile per-packet one-way delay: 111.676 ms

Loss rate: 0.00%

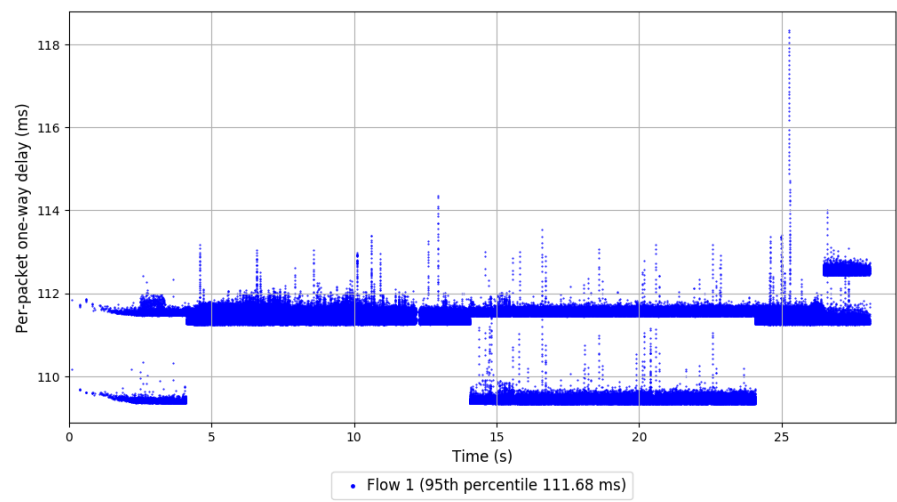
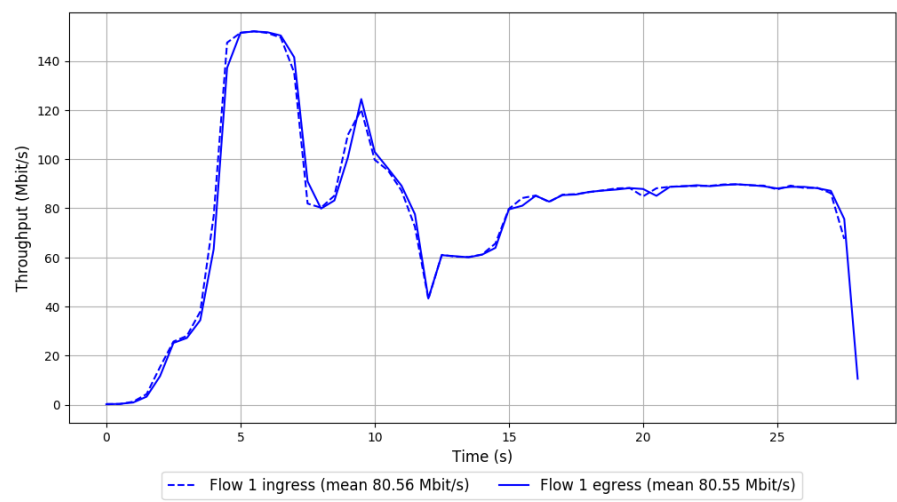
-- Flow 1:

Average throughput: 80.55 Mbit/s

95th percentile per-packet one-way delay: 111.676 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-16 12:03:49

End at: 2018-01-16 12:04:19

Below is generated by plot.py at 2018-01-16 13:53:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.65 Mbit/s

95th percentile per-packet one-way delay: 112.568 ms

Loss rate: 0.00%

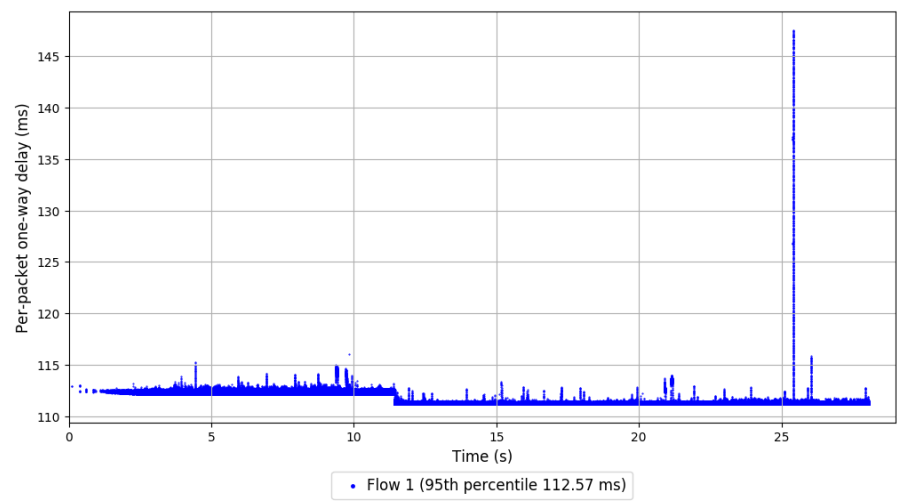
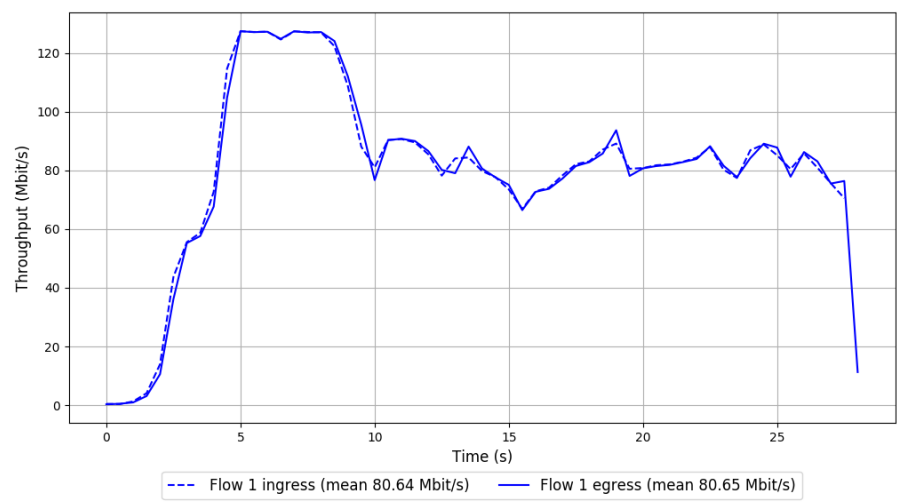
-- Flow 1:

Average throughput: 80.65 Mbit/s

95th percentile per-packet one-way delay: 112.568 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-16 12:19:19

End at: 2018-01-16 12:19:49

Below is generated by plot.py at 2018-01-16 13:53:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.74 Mbit/s

95th percentile per-packet one-way delay: 110.389 ms

Loss rate: 0.00%

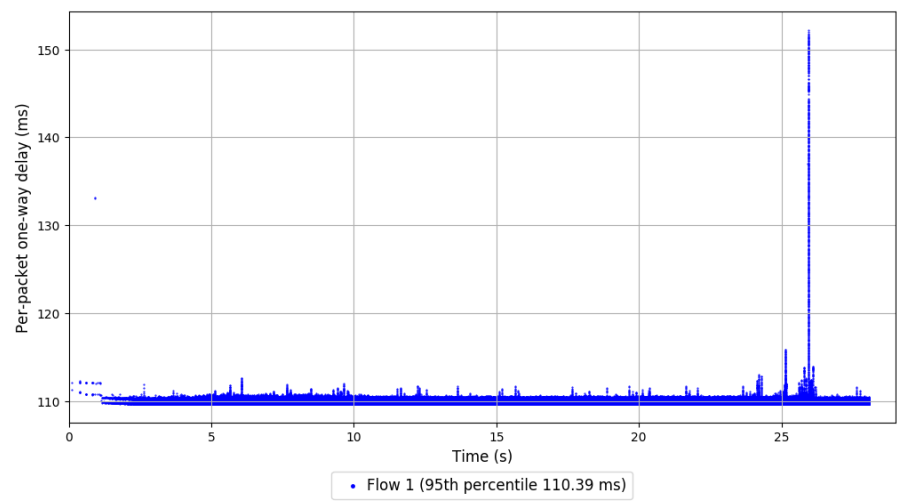
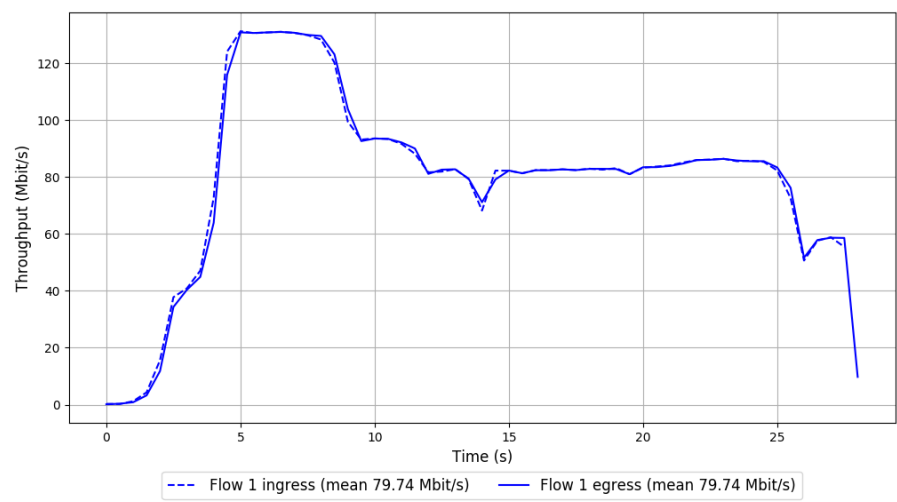
-- Flow 1:

Average throughput: 79.74 Mbit/s

95th percentile per-packet one-way delay: 110.389 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

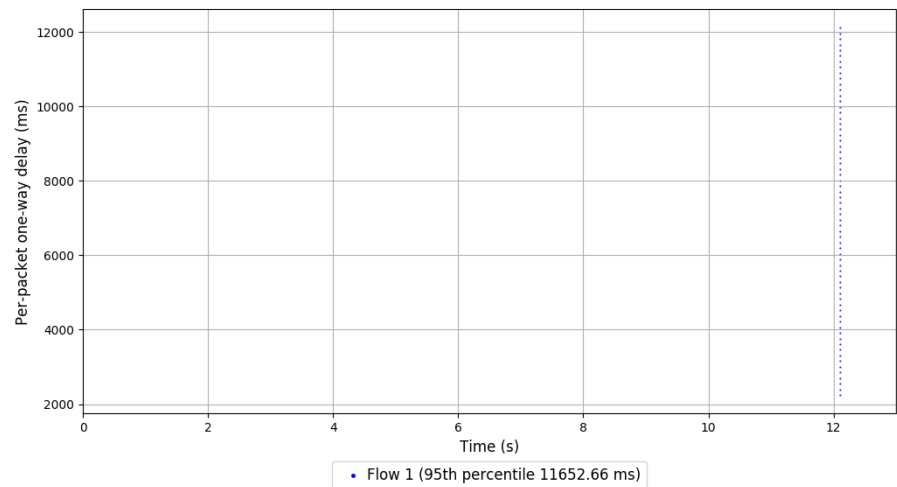
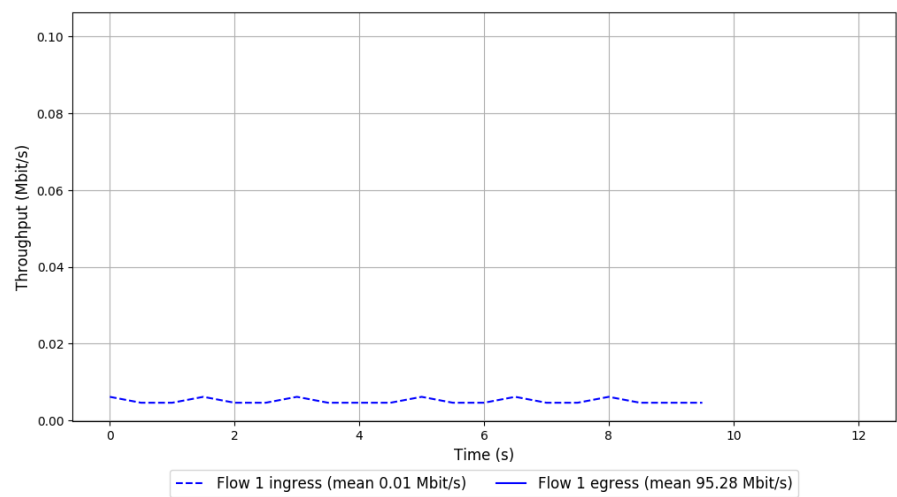


Run 1: Statistics of FillP

Start at: 2018-01-16 09:55:00

End at: 2018-01-16 09:55:30

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-16 10:09:27

End at: 2018-01-16 10:09:57

Below is generated by plot.py at 2018-01-16 14:06:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 838.14 Mbit/s

95th percentile per-packet one-way delay: 234.297 ms

Loss rate: 6.91%

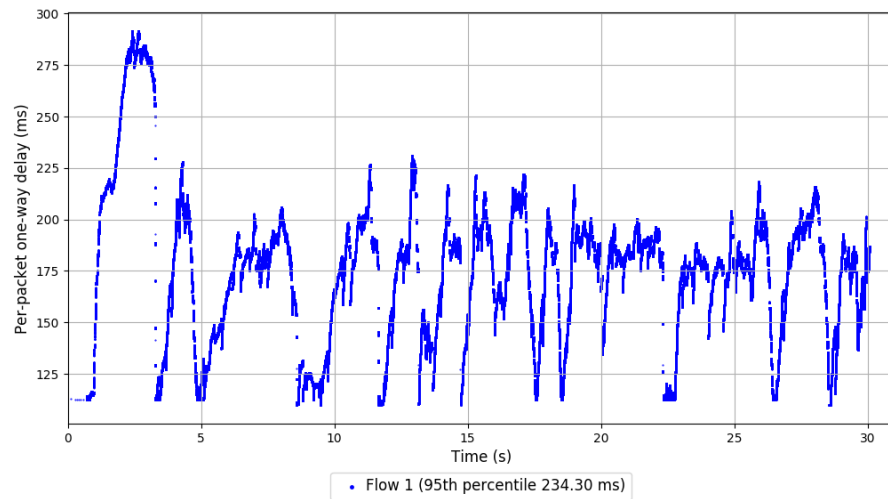
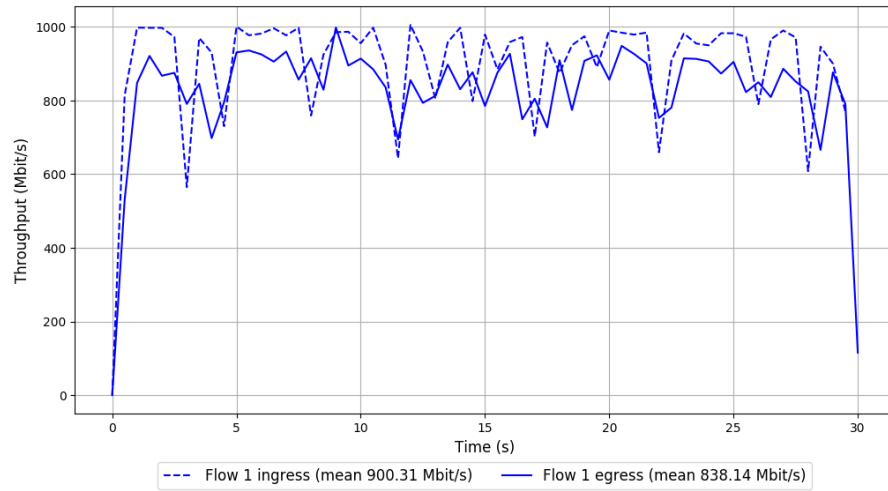
-- Flow 1:

Average throughput: 838.14 Mbit/s

95th percentile per-packet one-way delay: 234.297 ms

Loss rate: 6.91%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-16 10:24:34

End at: 2018-01-16 10:25:04

Below is generated by plot.py at 2018-01-16 14:07:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 936.08 Mbit/s

95th percentile per-packet one-way delay: 178.576 ms

Loss rate: 1.73%

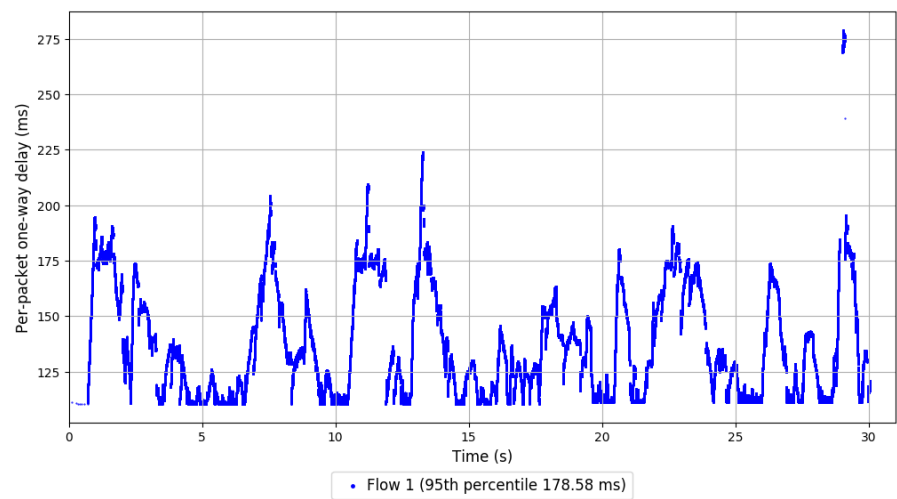
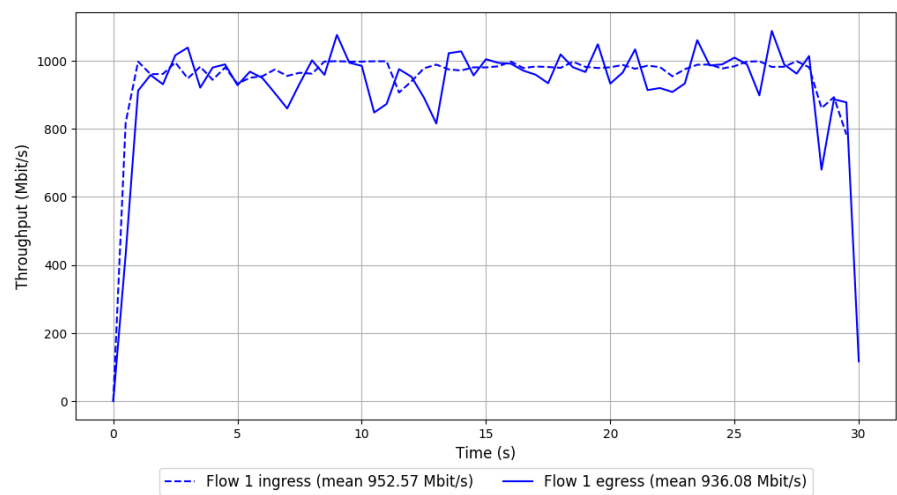
-- Flow 1:

Average throughput: 936.08 Mbit/s

95th percentile per-packet one-way delay: 178.576 ms

Loss rate: 1.73%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-16 10:39:54

End at: 2018-01-16 10:40:24

Below is generated by plot.py at 2018-01-16 14:07:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 856.88 Mbit/s

95th percentile per-packet one-way delay: 207.237 ms

Loss rate: 6.78%

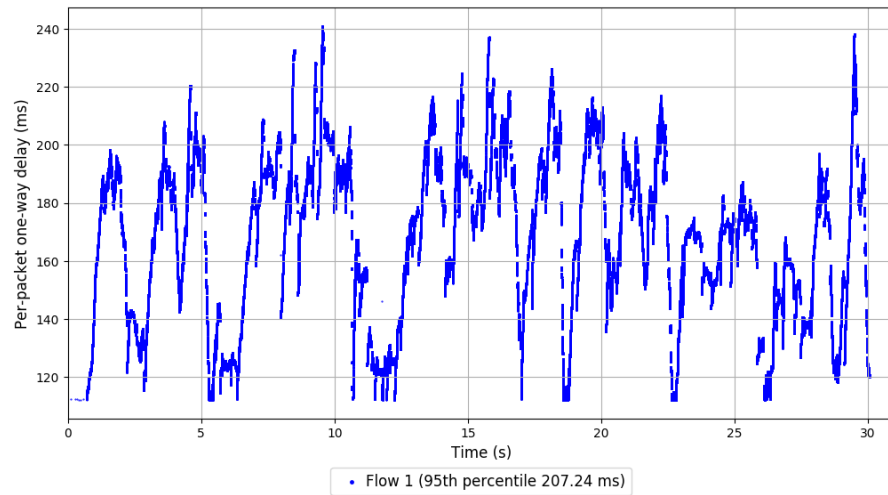
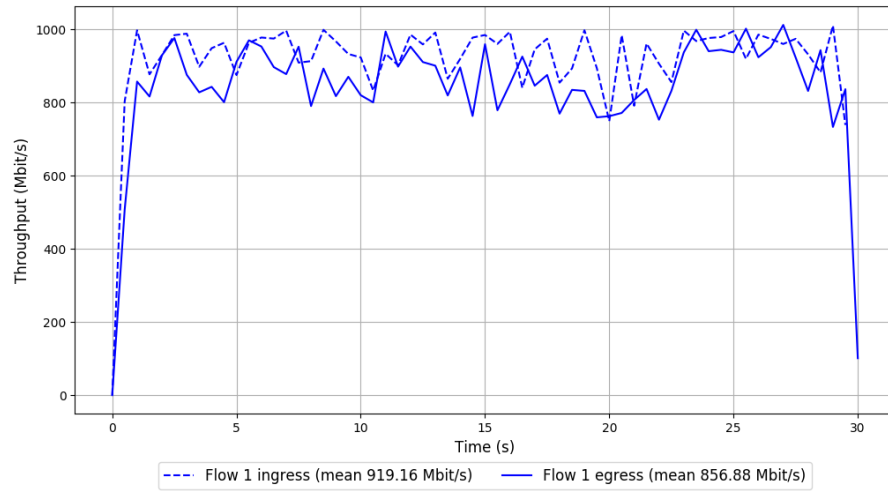
-- Flow 1:

Average throughput: 856.88 Mbit/s

95th percentile per-packet one-way delay: 207.237 ms

Loss rate: 6.78%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-16 10:54:37

End at: 2018-01-16 10:55:07

Below is generated by plot.py at 2018-01-16 14:07:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 935.84 Mbit/s

95th percentile per-packet one-way delay: 190.928 ms

Loss rate: 1.12%

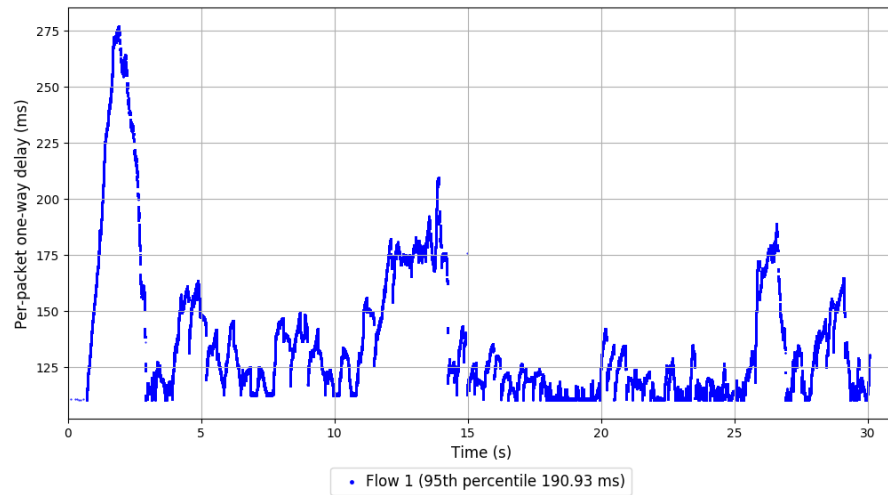
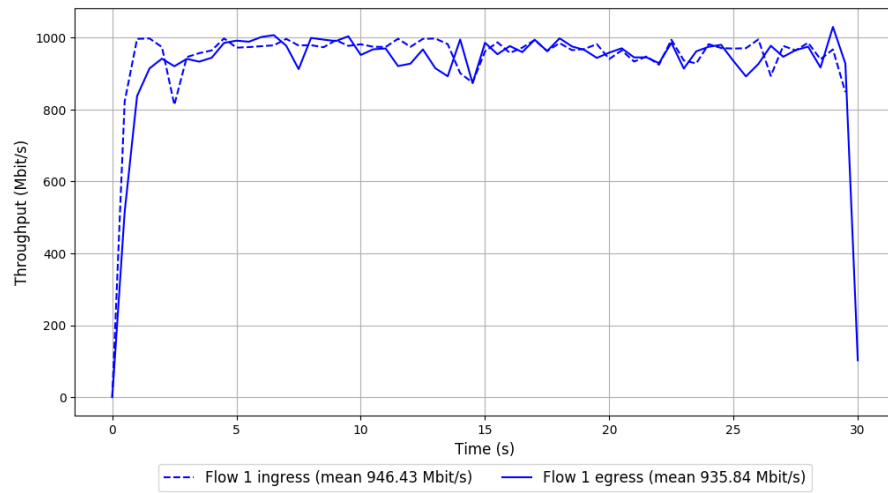
-- Flow 1:

Average throughput: 935.84 Mbit/s

95th percentile per-packet one-way delay: 190.928 ms

Loss rate: 1.12%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-16 11:09:40

End at: 2018-01-16 11:10:10

Below is generated by plot.py at 2018-01-16 14:07:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 865.96 Mbit/s

95th percentile per-packet one-way delay: 190.292 ms

Loss rate: 5.44%

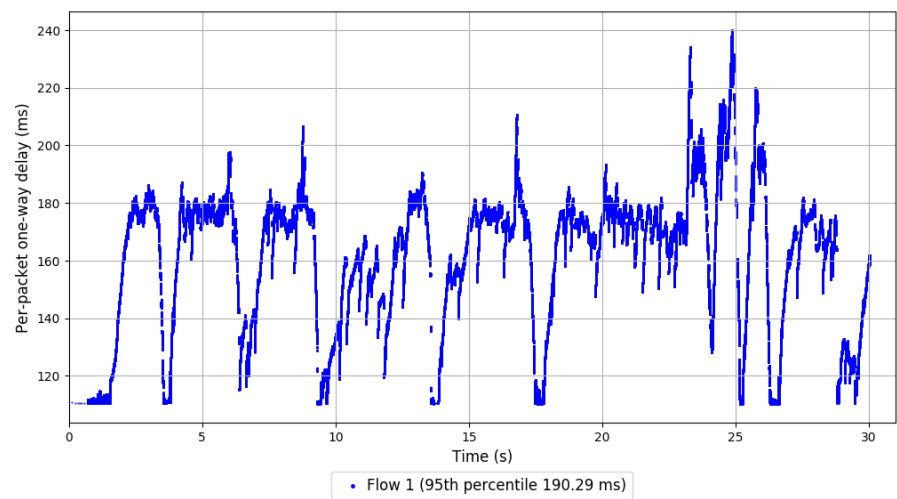
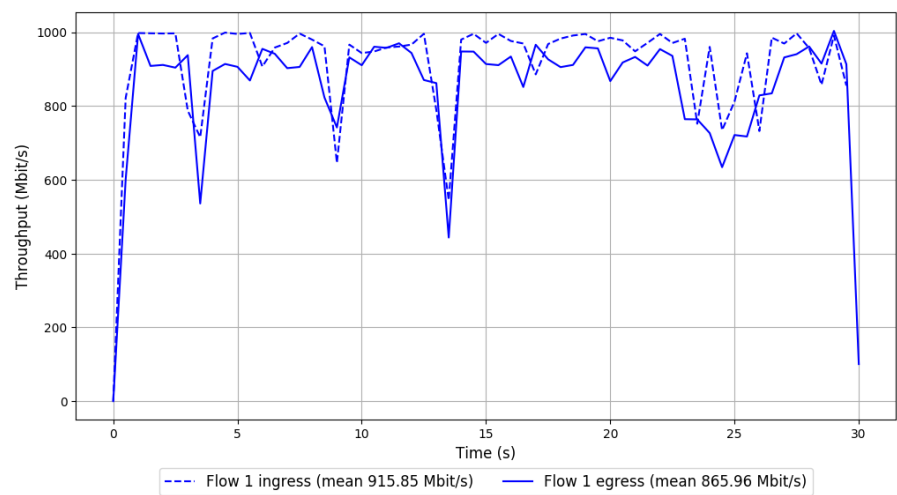
-- Flow 1:

Average throughput: 865.96 Mbit/s

95th percentile per-packet one-way delay: 190.292 ms

Loss rate: 5.44%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-16 11:24:14

End at: 2018-01-16 11:24:44

Below is generated by plot.py at 2018-01-16 14:08:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 924.56 Mbit/s

95th percentile per-packet one-way delay: 180.800 ms

Loss rate: 2.55%

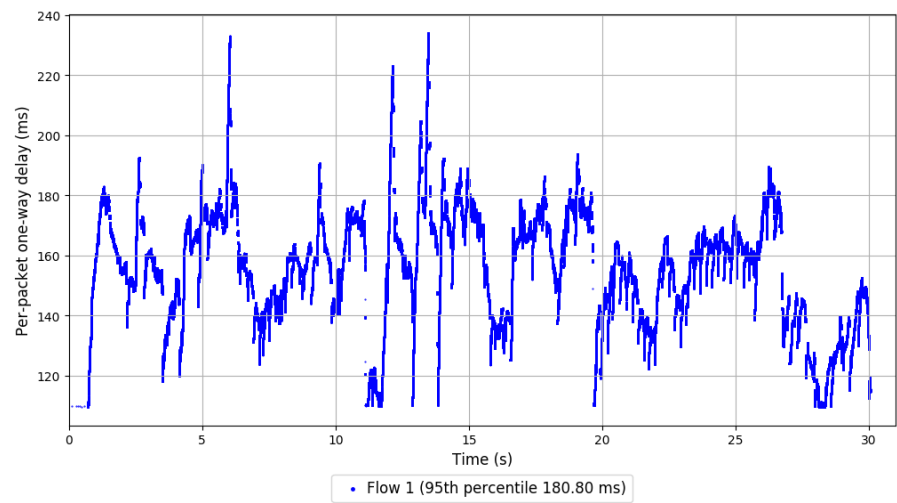
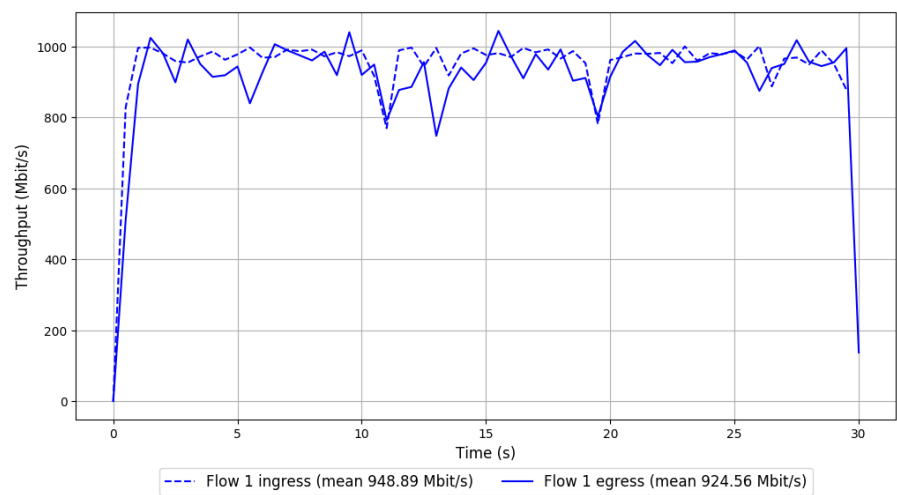
-- Flow 1:

Average throughput: 924.56 Mbit/s

95th percentile per-packet one-way delay: 180.800 ms

Loss rate: 2.55%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-16 11:38:49

End at: 2018-01-16 11:39:19

Below is generated by plot.py at 2018-01-16 14:08:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 854.92 Mbit/s

95th percentile per-packet one-way delay: 350.463 ms

Loss rate: 6.81%

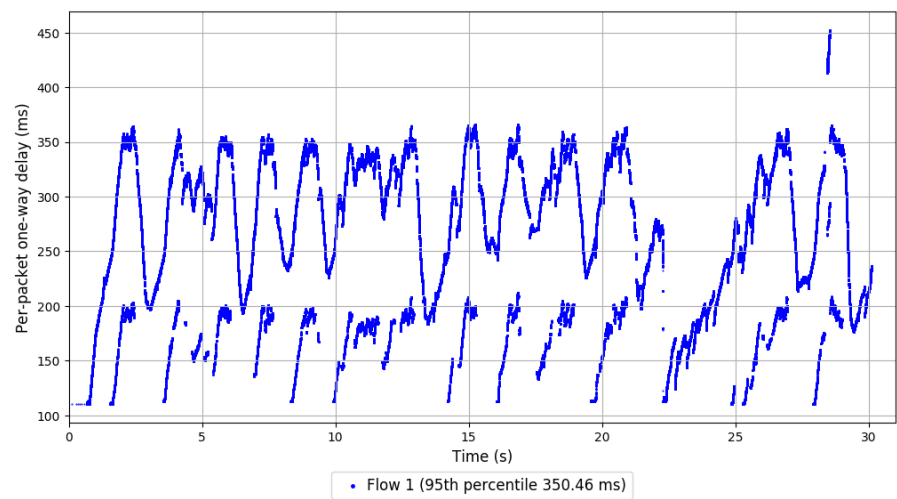
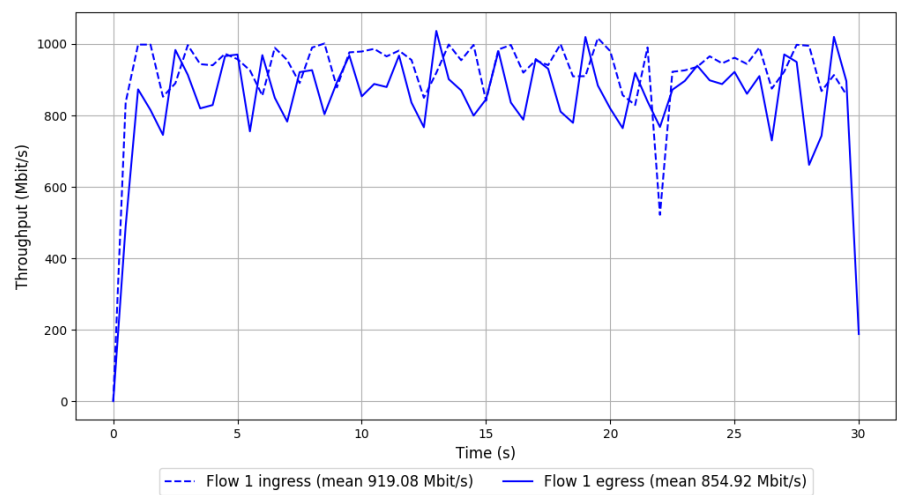
-- Flow 1:

Average throughput: 854.92 Mbit/s

95th percentile per-packet one-way delay: 350.463 ms

Loss rate: 6.81%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-16 11:54:00

End at: 2018-01-16 11:54:30

Below is generated by plot.py at 2018-01-16 14:09:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 941.47 Mbit/s

95th percentile per-packet one-way delay: 172.853 ms

Loss rate: 0.51%

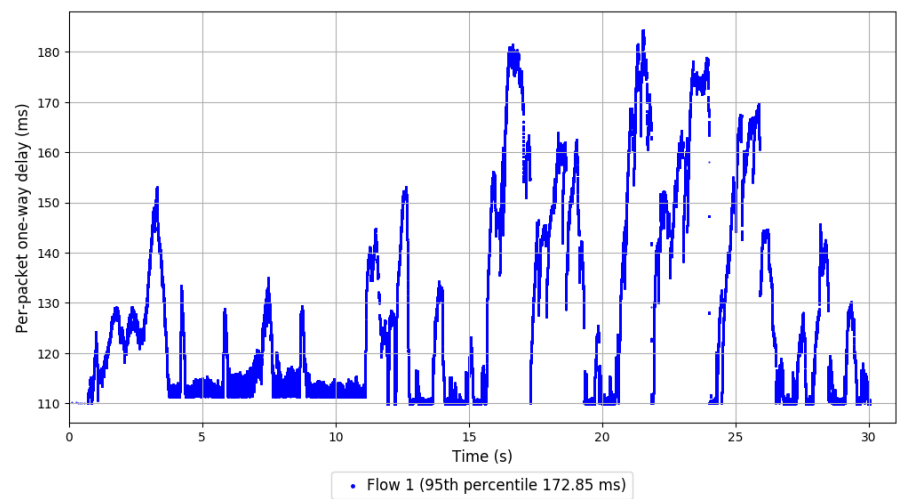
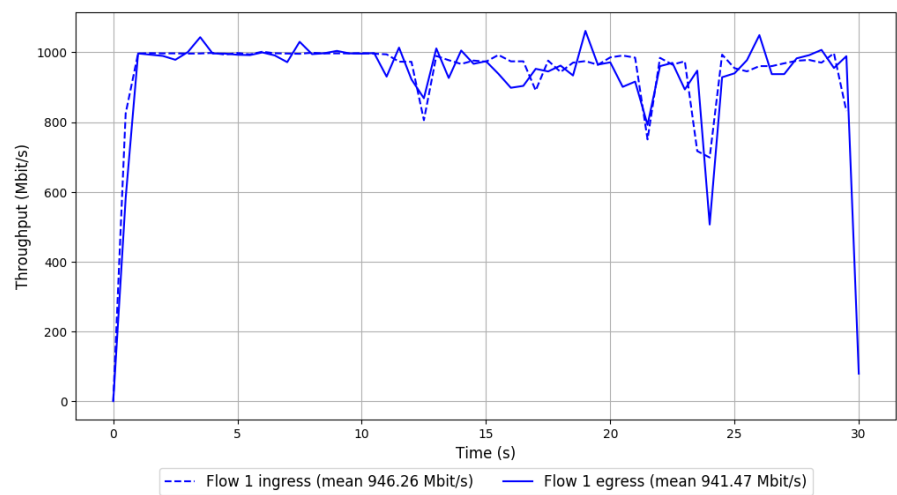
-- Flow 1:

Average throughput: 941.47 Mbit/s

95th percentile per-packet one-way delay: 172.853 ms

Loss rate: 0.51%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-01-16 12:09:30

End at: 2018-01-16 12:10:00

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 942.71 Mbit/s

95th percentile per-packet one-way delay: 172.007 ms

Loss rate: 0.50%

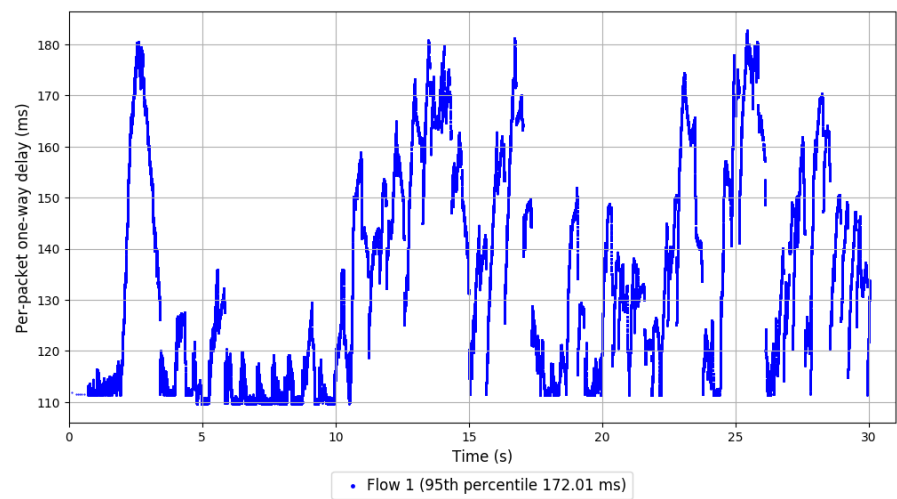
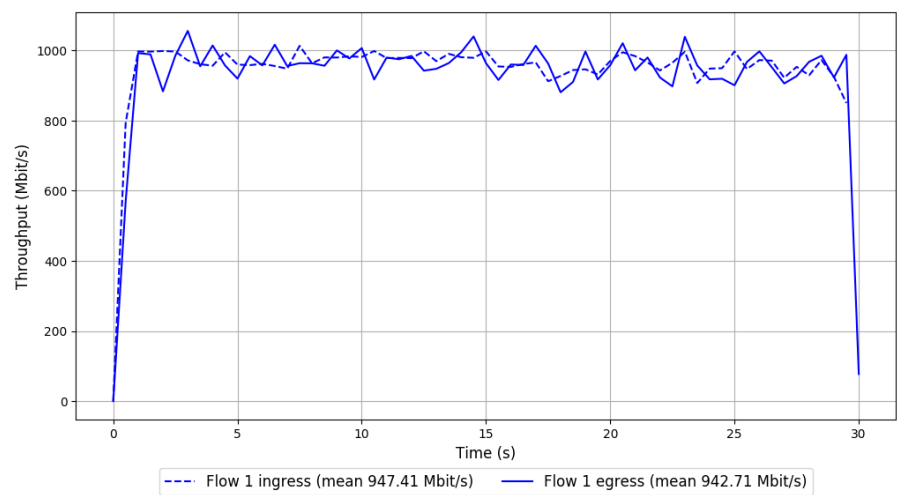
-- Flow 1:

Average throughput: 942.71 Mbit/s

95th percentile per-packet one-way delay: 172.007 ms

Loss rate: 0.50%

Run 10: Report of FillP — Data Link

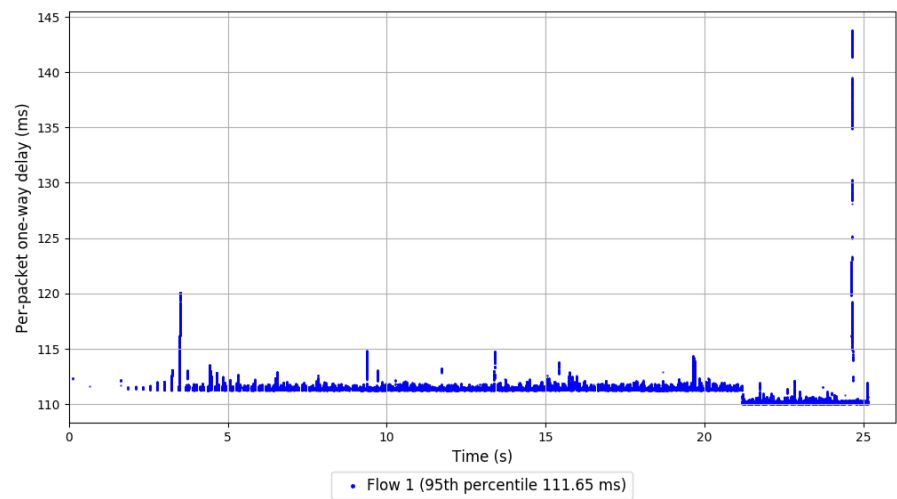
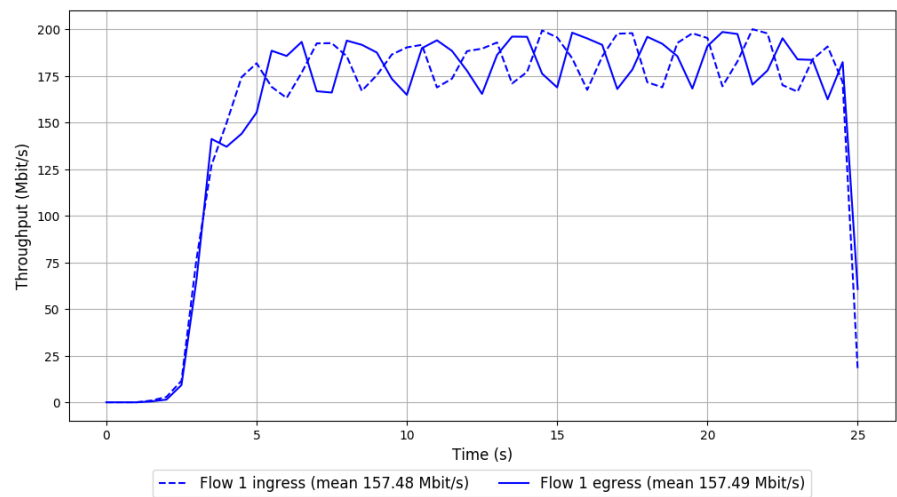


```
Run 1: Statistics of Indigo

Start at: 2018-01-16 09:58:56
End at: 2018-01-16 09:59:26

# Below is generated by plot.py at 2018-01-16 14:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.49 Mbit/s
95th percentile per-packet one-way delay: 111.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.49 Mbit/s
95th percentile per-packet one-way delay: 111.649 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-01-16 10:14:11

End at: 2018-01-16 10:14:41

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.69 Mbit/s

95th percentile per-packet one-way delay: 109.842 ms

Loss rate: 0.00%

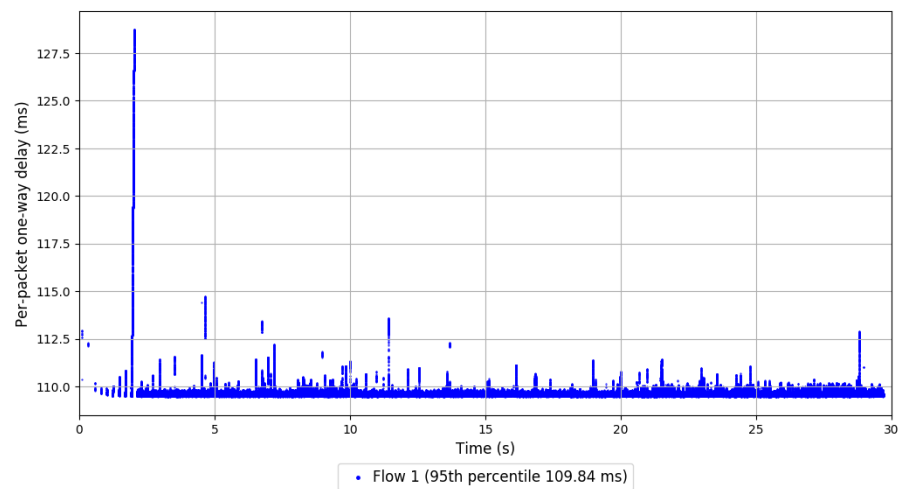
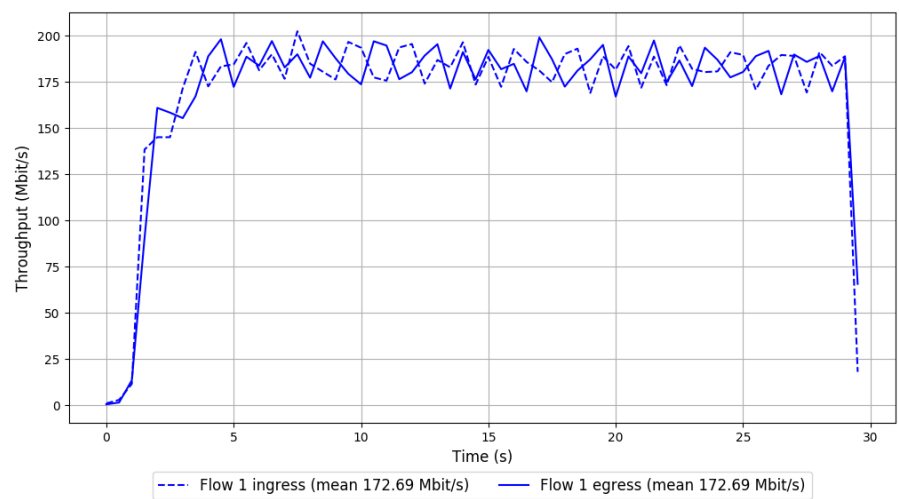
-- Flow 1:

Average throughput: 172.69 Mbit/s

95th percentile per-packet one-way delay: 109.842 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-16 10:29:20

End at: 2018-01-16 10:29:50

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.05 Mbit/s

95th percentile per-packet one-way delay: 112.221 ms

Loss rate: 0.00%

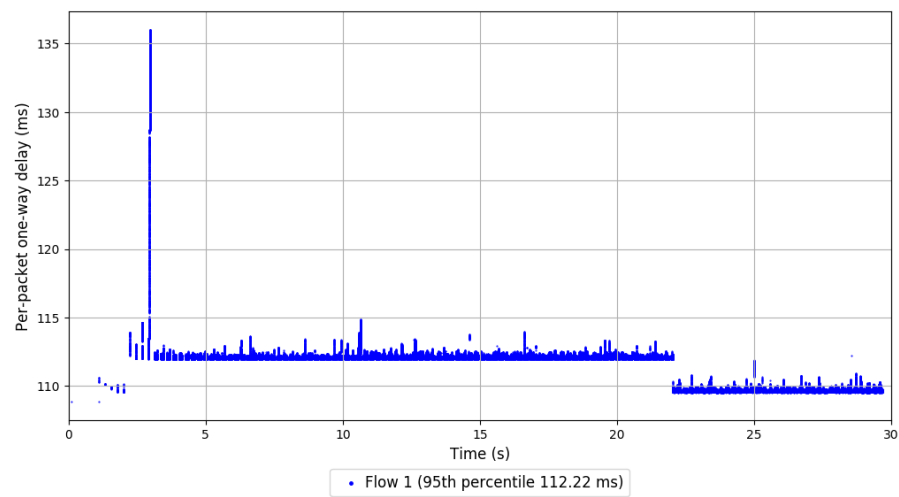
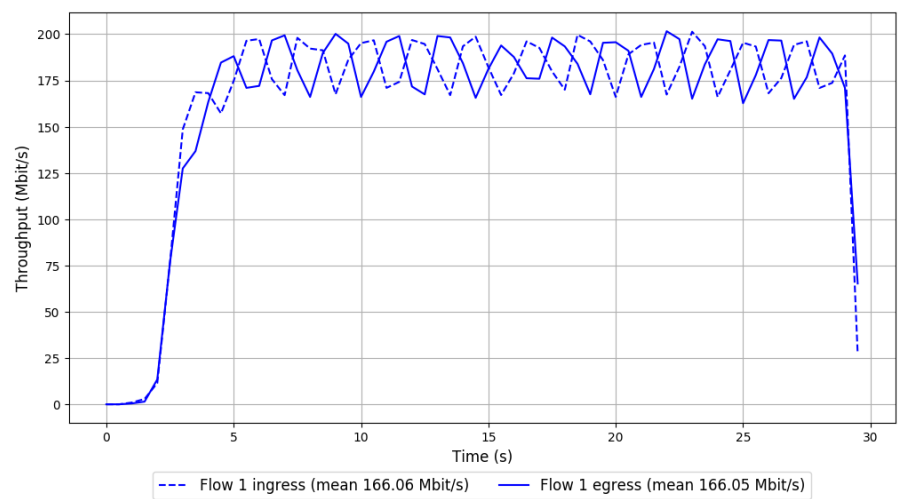
-- Flow 1:

Average throughput: 166.05 Mbit/s

95th percentile per-packet one-way delay: 112.221 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-16 10:44:11

End at: 2018-01-16 10:44:41

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.71 Mbit/s

95th percentile per-packet one-way delay: 112.351 ms

Loss rate: 0.00%

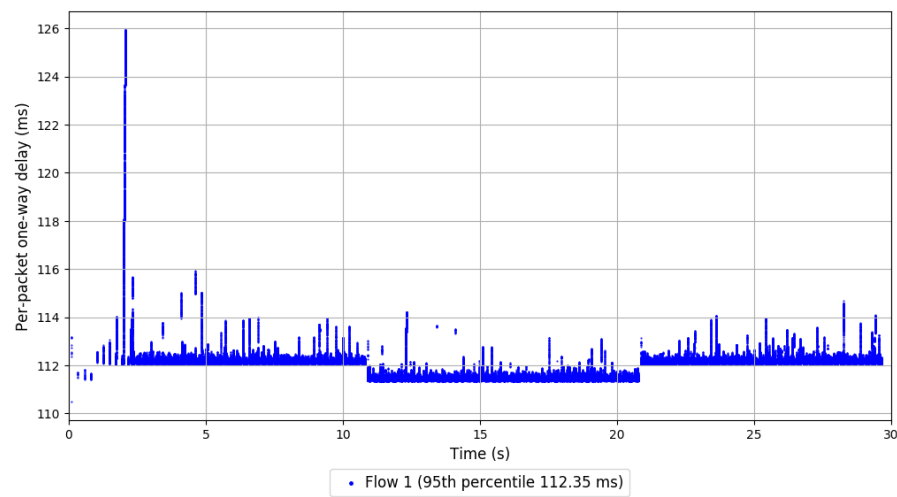
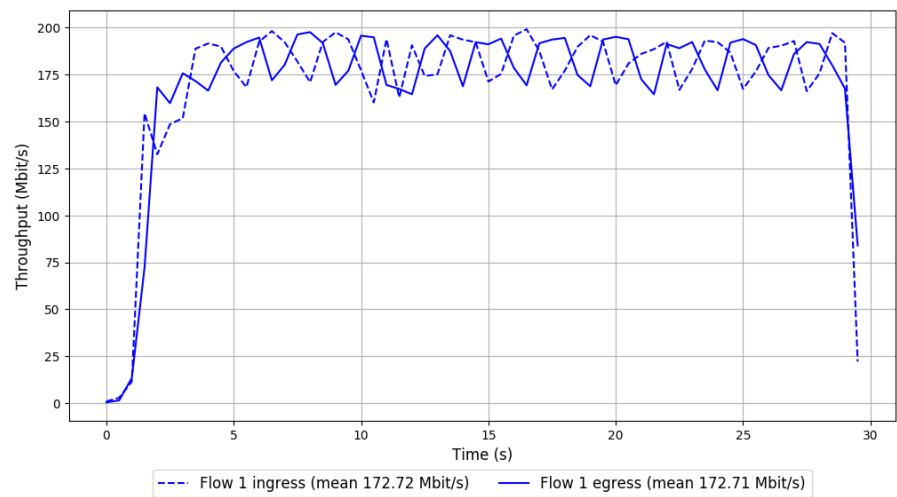
-- Flow 1:

Average throughput: 172.71 Mbit/s

95th percentile per-packet one-way delay: 112.351 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-16 10:59:17

End at: 2018-01-16 10:59:47

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.82 Mbit/s

95th percentile per-packet one-way delay: 112.758 ms

Loss rate: 0.11%

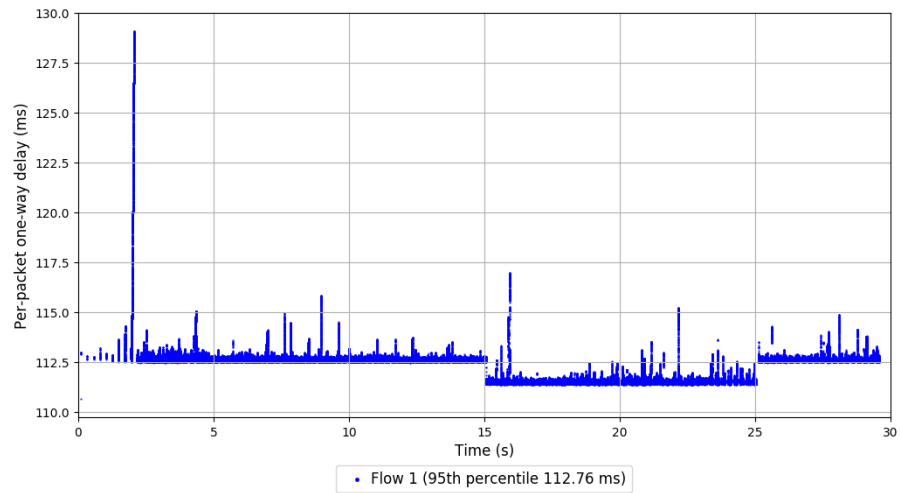
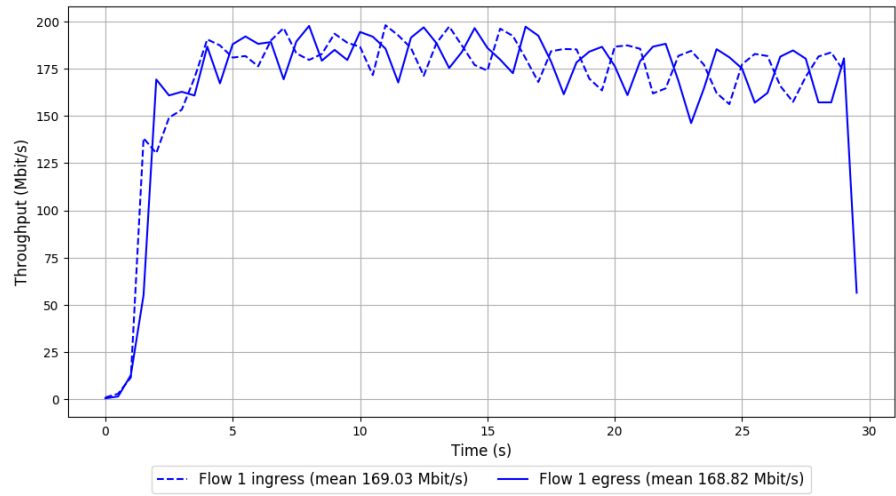
-- Flow 1:

Average throughput: 168.82 Mbit/s

95th percentile per-packet one-way delay: 112.758 ms

Loss rate: 0.11%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-16 11:14:04

End at: 2018-01-16 11:14:34

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.98 Mbit/s

95th percentile per-packet one-way delay: 114.800 ms

Loss rate: 0.18%

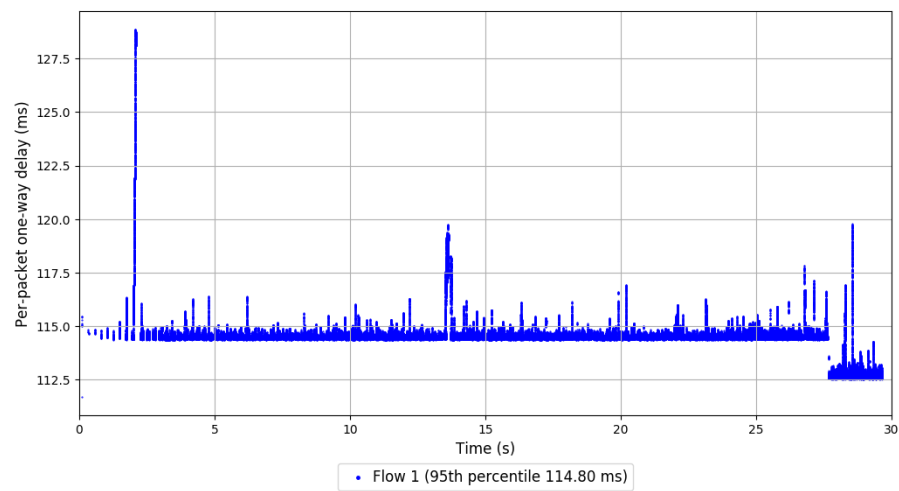
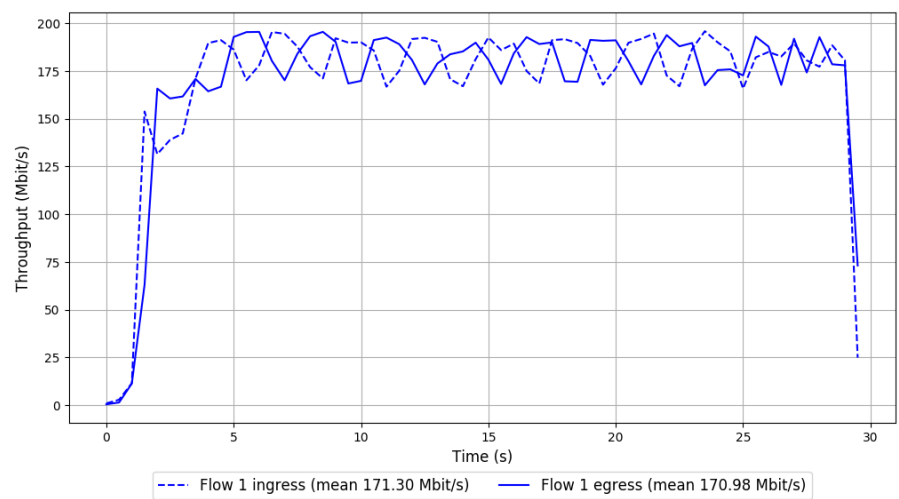
-- Flow 1:

Average throughput: 170.98 Mbit/s

95th percentile per-packet one-way delay: 114.800 ms

Loss rate: 0.18%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-16 11:28:52

End at: 2018-01-16 11:29:22

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.38 Mbit/s

95th percentile per-packet one-way delay: 114.731 ms

Loss rate: 0.14%

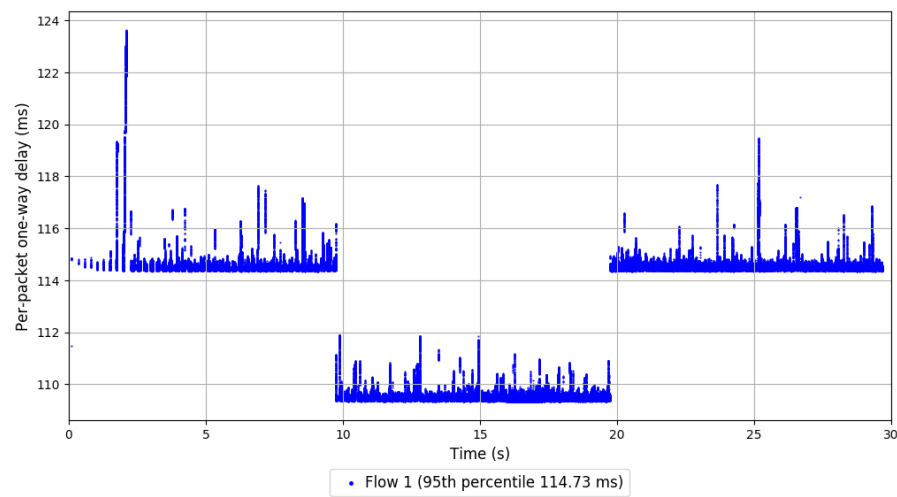
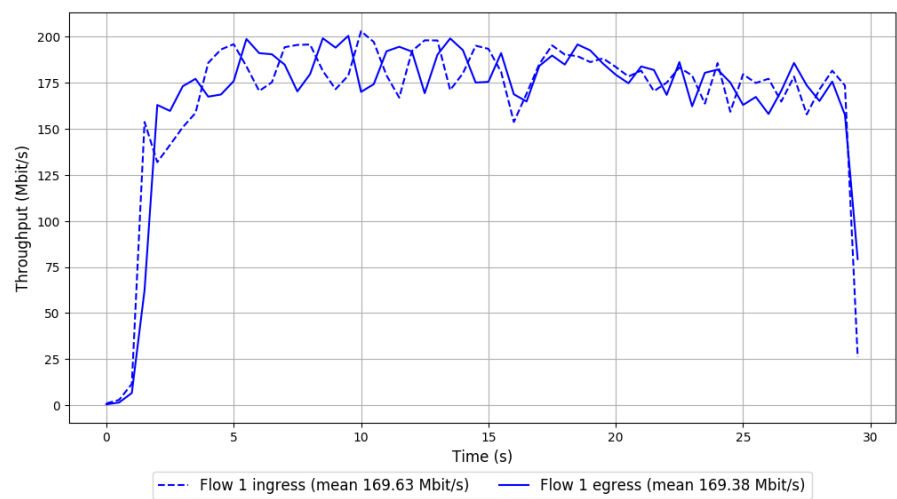
-- Flow 1:

Average throughput: 169.38 Mbit/s

95th percentile per-packet one-way delay: 114.731 ms

Loss rate: 0.14%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-16 11:43:38

End at: 2018-01-16 11:44:08

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.69 Mbit/s

95th percentile per-packet one-way delay: 111.669 ms

Loss rate: 0.16%

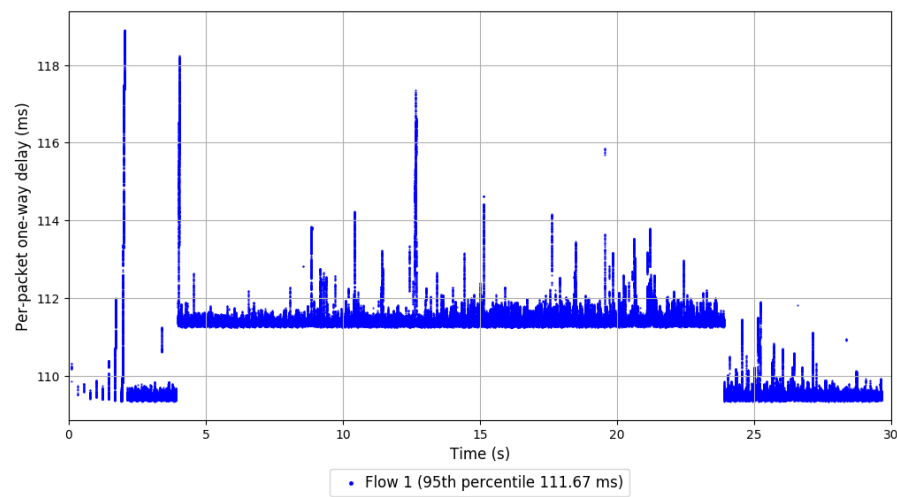
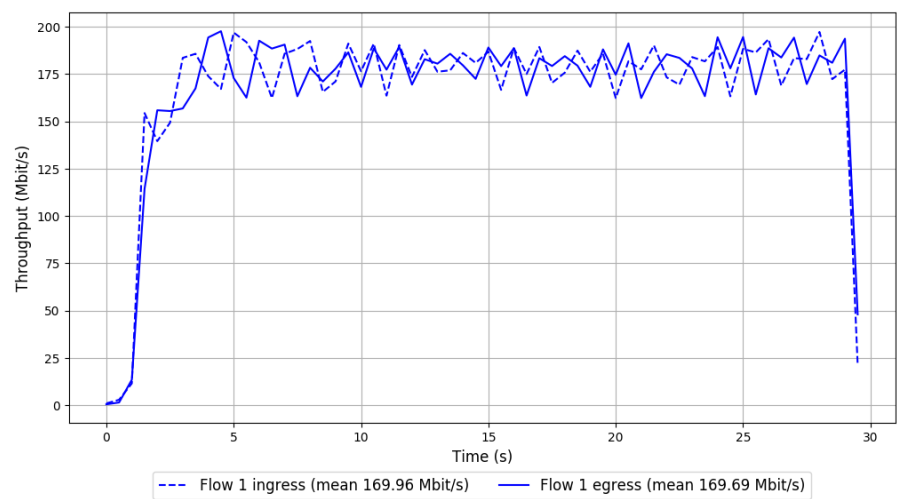
-- Flow 1:

Average throughput: 169.69 Mbit/s

95th percentile per-packet one-way delay: 111.669 ms

Loss rate: 0.16%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-01-16 11:59:03

End at: 2018-01-16 11:59:33

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.04 Mbit/s

95th percentile per-packet one-way delay: 113.357 ms

Loss rate: 0.00%

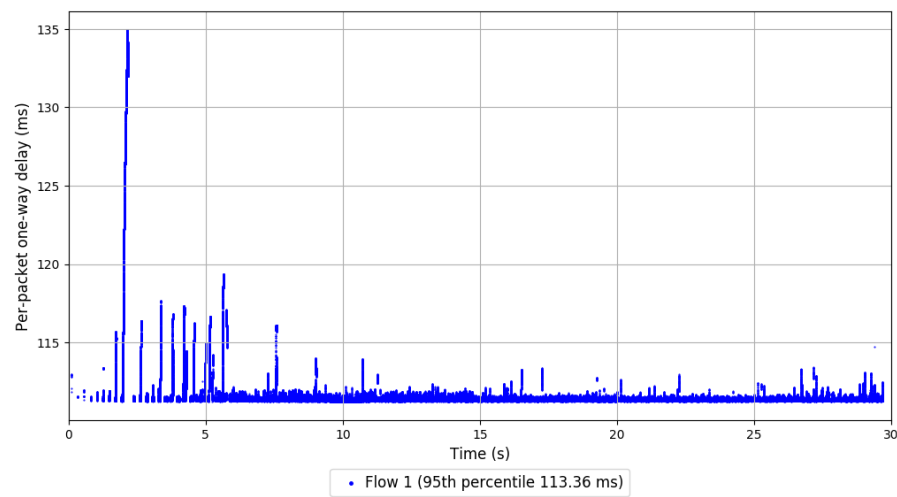
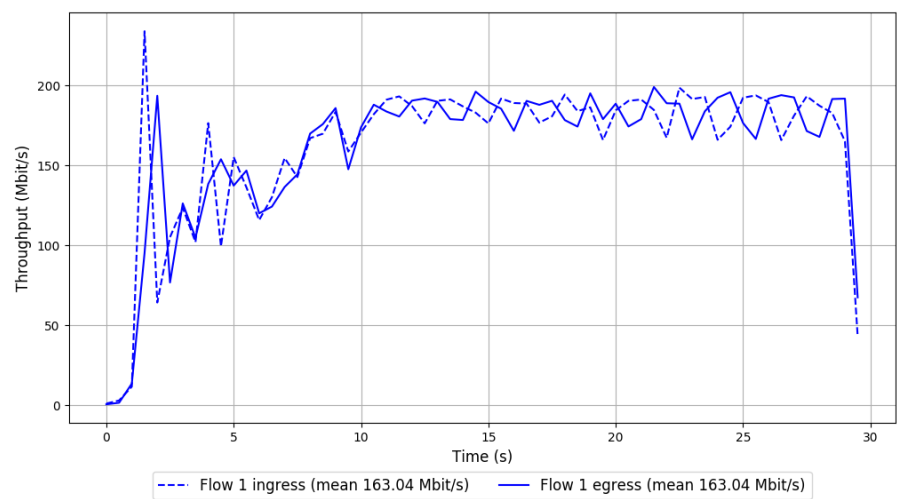
-- Flow 1:

Average throughput: 163.04 Mbit/s

95th percentile per-packet one-way delay: 113.357 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-16 12:14:32

End at: 2018-01-16 12:15:02

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.43 Mbit/s

95th percentile per-packet one-way delay: 110.827 ms

Loss rate: 0.00%

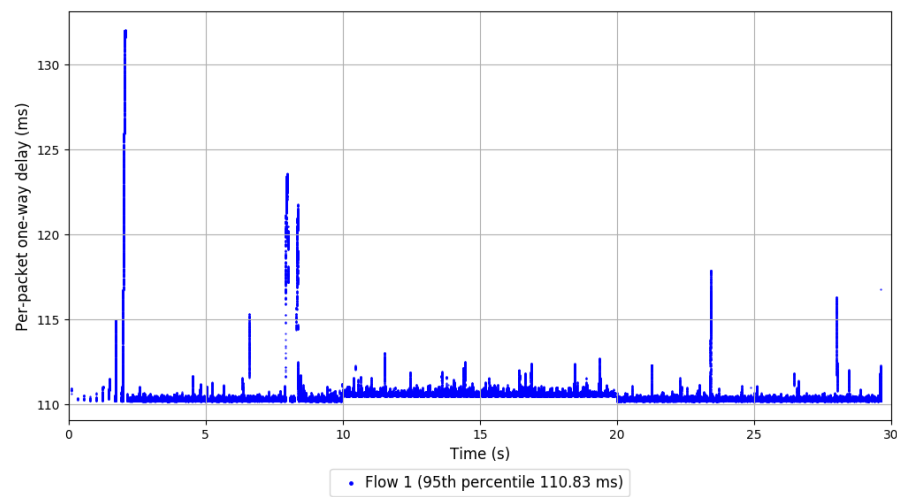
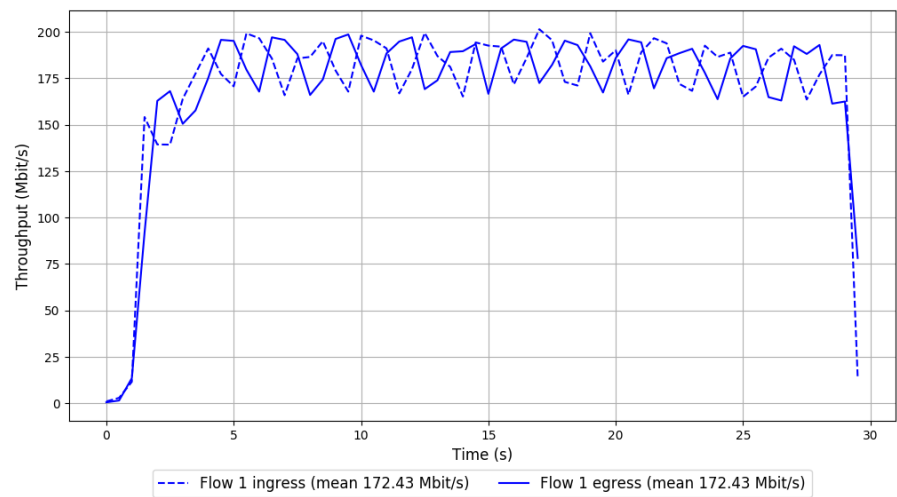
-- Flow 1:

Average throughput: 172.43 Mbit/s

95th percentile per-packet one-way delay: 110.827 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 10:07:43

End at: 2018-01-16 10:08:13

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.73 Mbit/s

95th percentile per-packet one-way delay: 122.410 ms

Loss rate: 0.00%

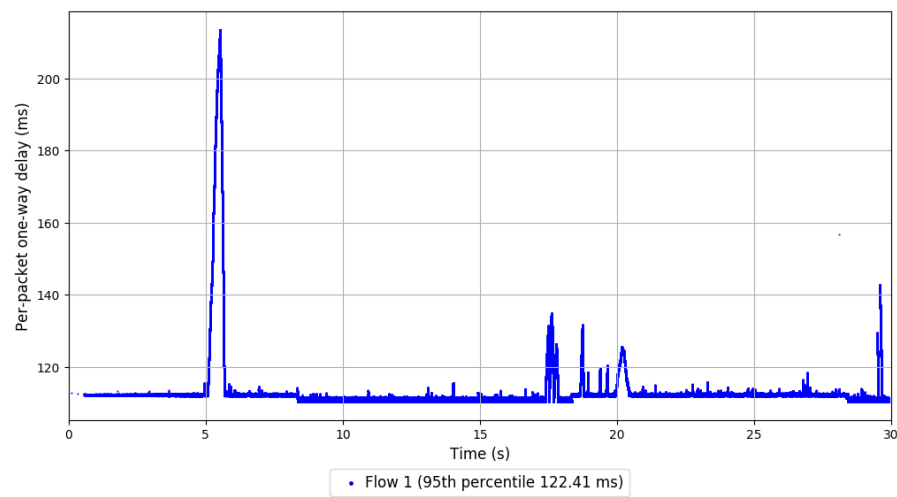
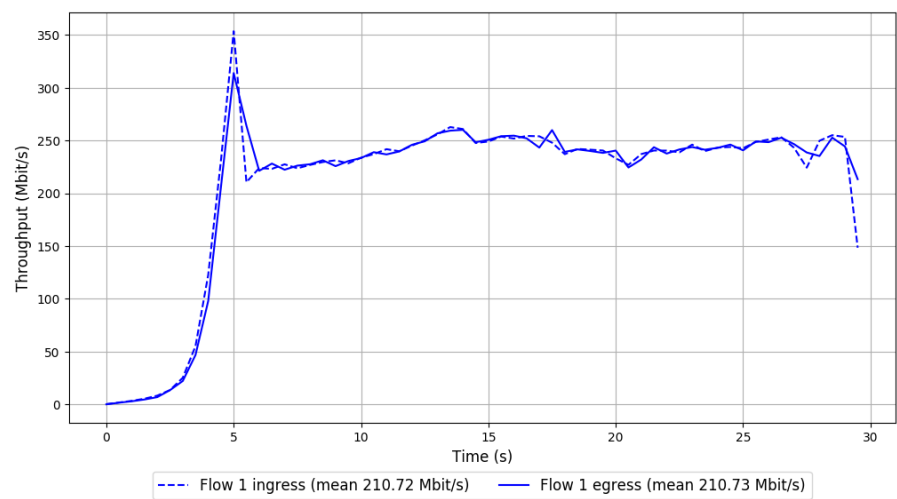
-- Flow 1:

Average throughput: 210.73 Mbit/s

95th percentile per-packet one-way delay: 122.410 ms

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 10:22:52

End at: 2018-01-16 10:23:22

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.37 Mbit/s

95th percentile per-packet one-way delay: 128.583 ms

Loss rate: 0.02%

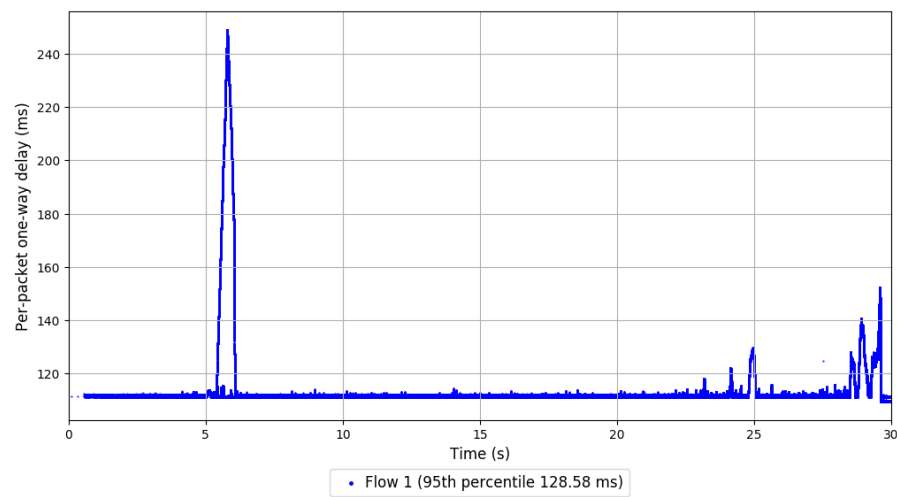
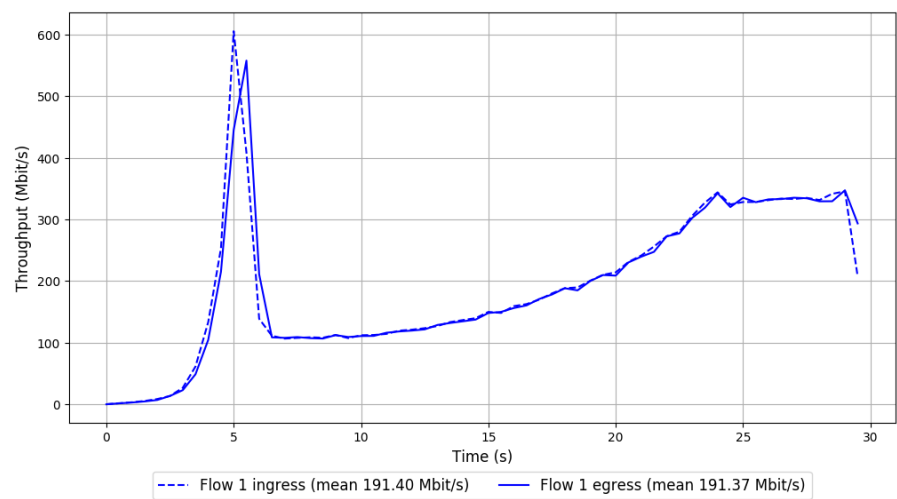
-- Flow 1:

Average throughput: 191.37 Mbit/s

95th percentile per-packet one-way delay: 128.583 ms

Loss rate: 0.02%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-16 10:38:07

End at: 2018-01-16 10:38:37

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.32 Mbit/s

95th percentile per-packet one-way delay: 212.928 ms

Loss rate: 0.48%

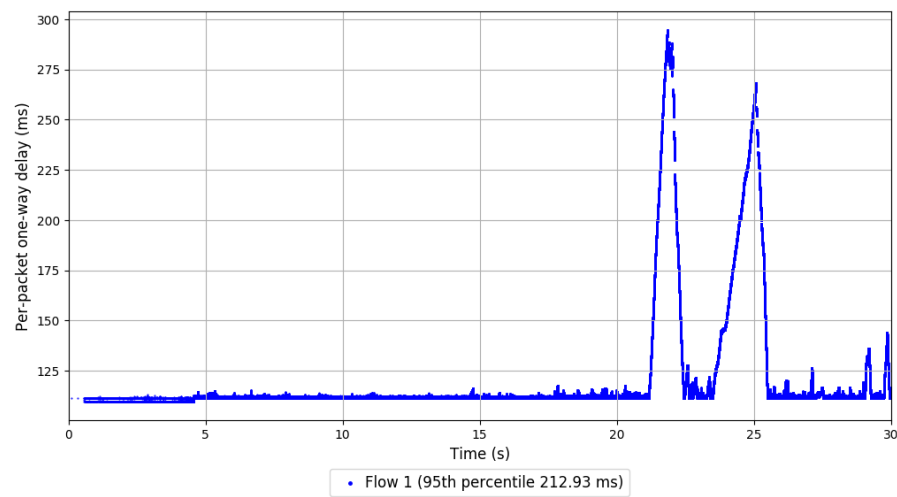
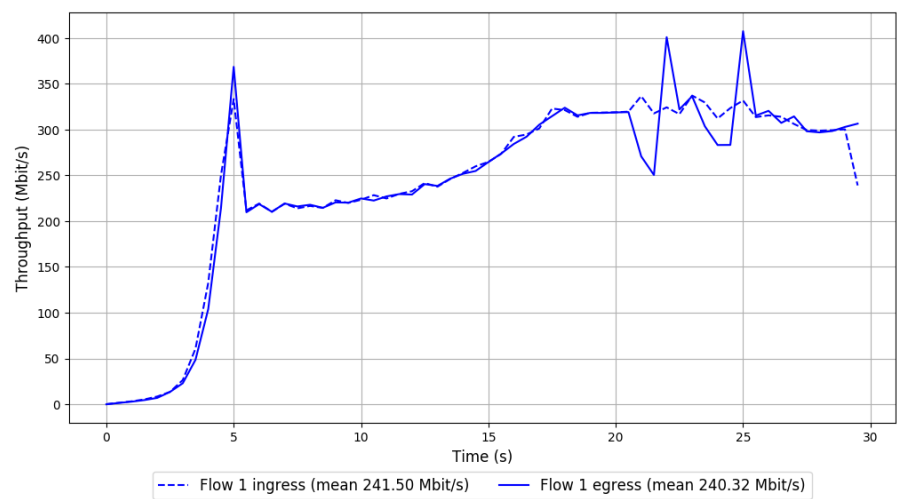
-- Flow 1:

Average throughput: 240.32 Mbit/s

95th percentile per-packet one-way delay: 212.928 ms

Loss rate: 0.48%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-16 10:52:51

End at: 2018-01-16 10:53:21

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.57 Mbit/s

95th percentile per-packet one-way delay: 117.276 ms

Loss rate: 0.00%

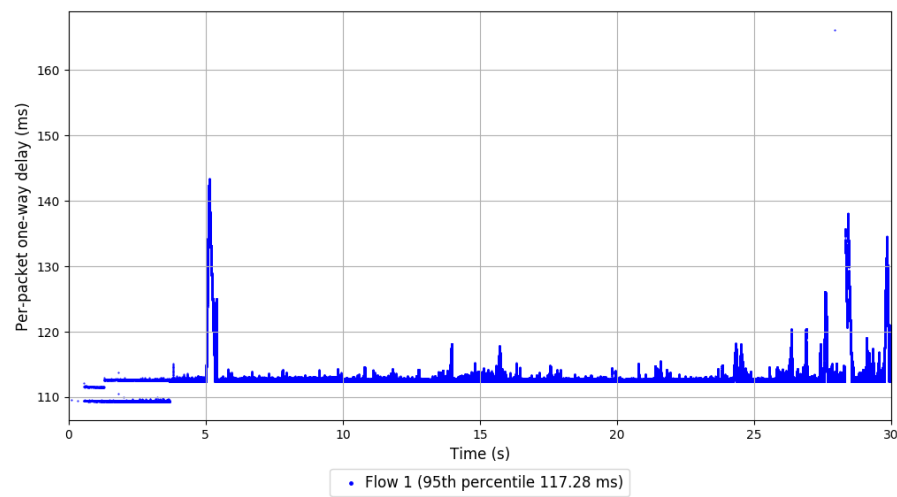
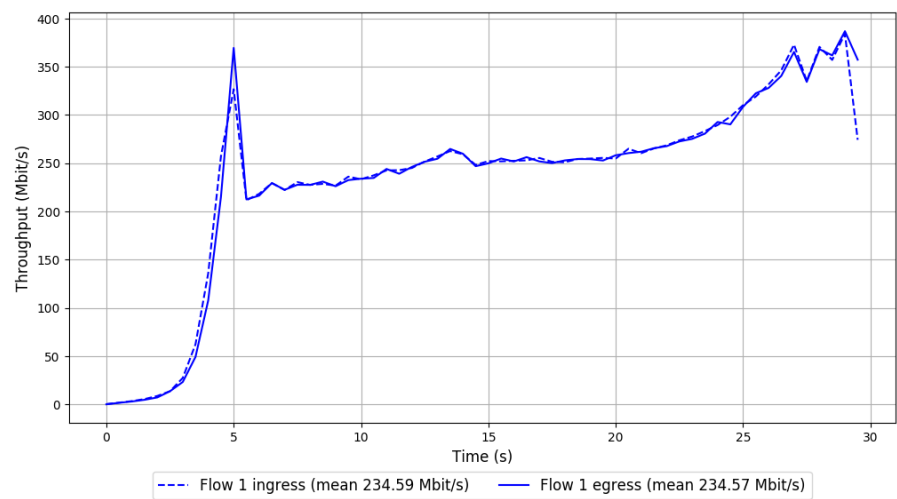
-- Flow 1:

Average throughput: 234.57 Mbit/s

95th percentile per-packet one-way delay: 117.276 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

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

End at: 2018-01-16 11:08:31

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.60 Mbit/s

95th percentile per-packet one-way delay: 114.506 ms

Loss rate: 0.00%

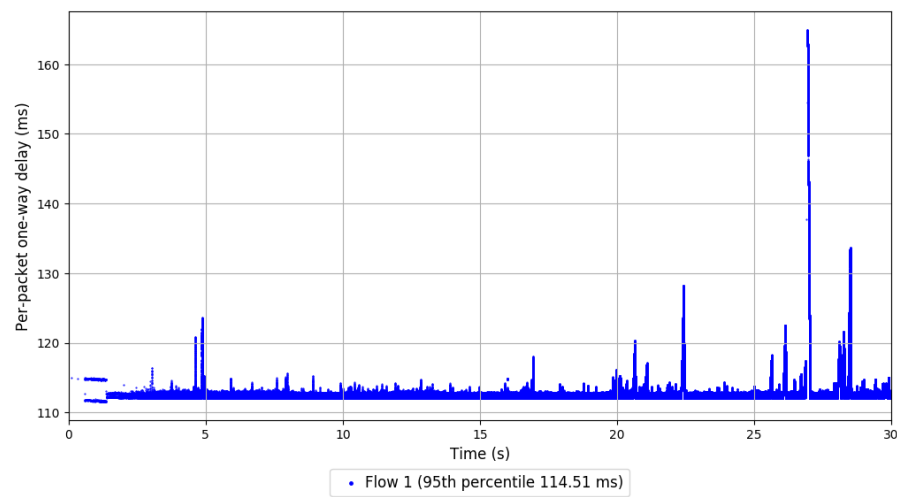
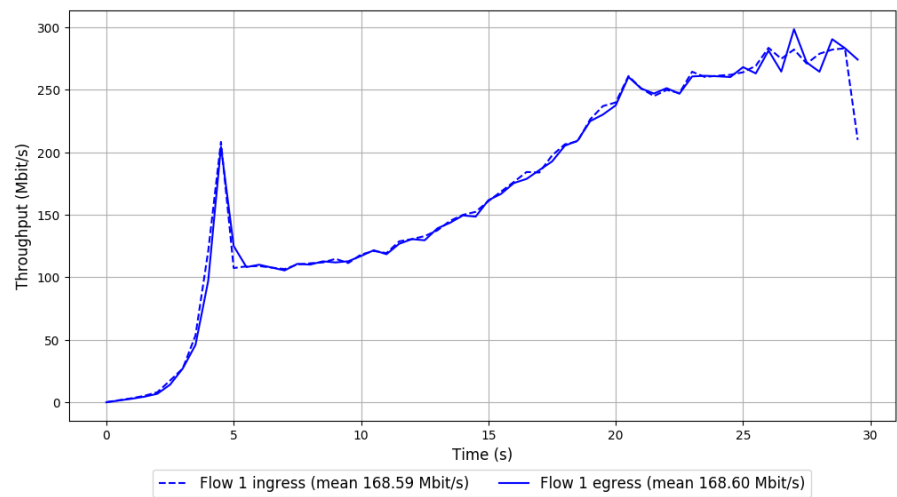
-- Flow 1:

Average throughput: 168.60 Mbit/s

95th percentile per-packet one-way delay: 114.506 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-16 11:22:40

End at: 2018-01-16 11:23:10

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.36 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.00%

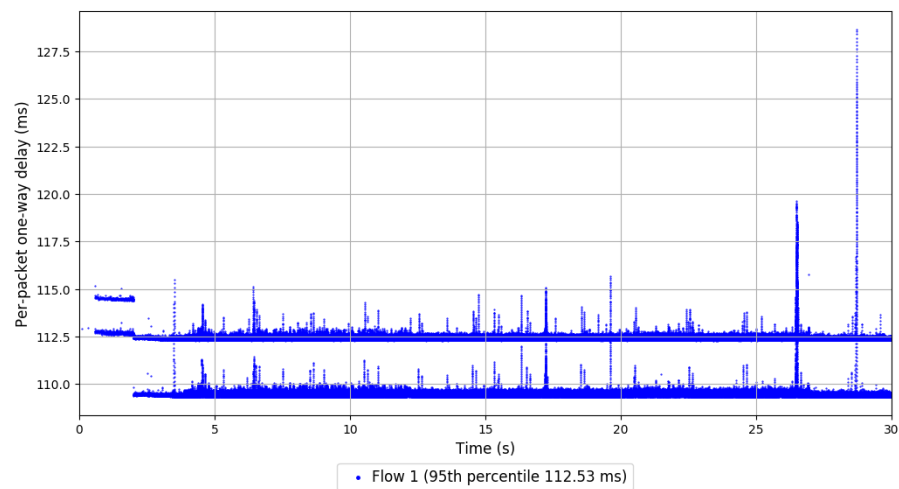
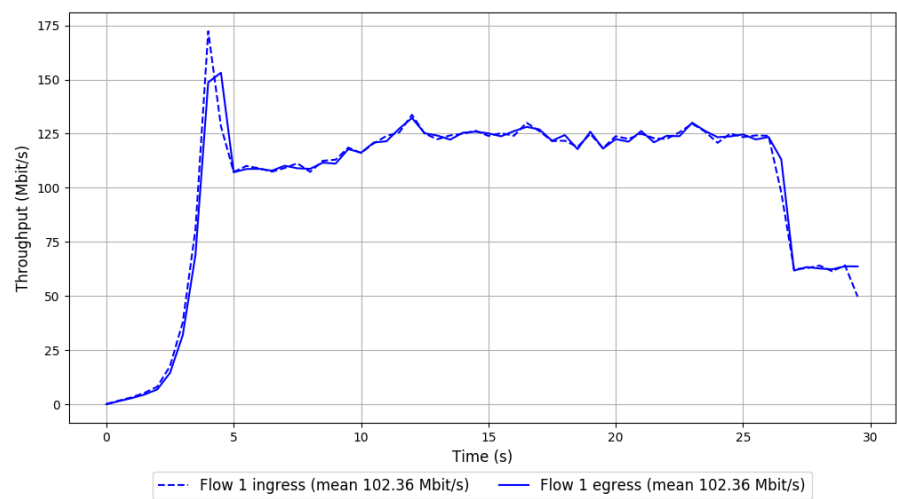
-- Flow 1:

Average throughput: 102.36 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-01-16 11:37:20

End at: 2018-01-16 11:37:50

Below is generated by plot.py at 2018-01-16 14:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.83 Mbit/s

95th percentile per-packet one-way delay: 114.468 ms

Loss rate: 0.00%

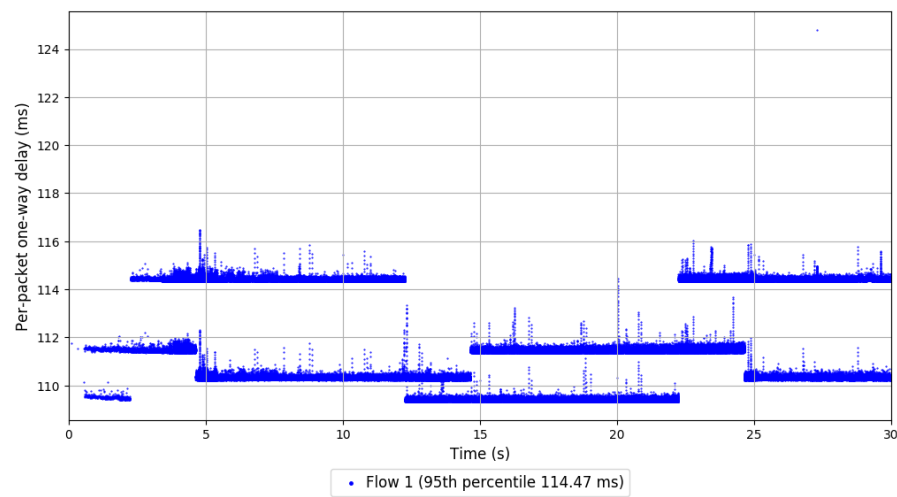
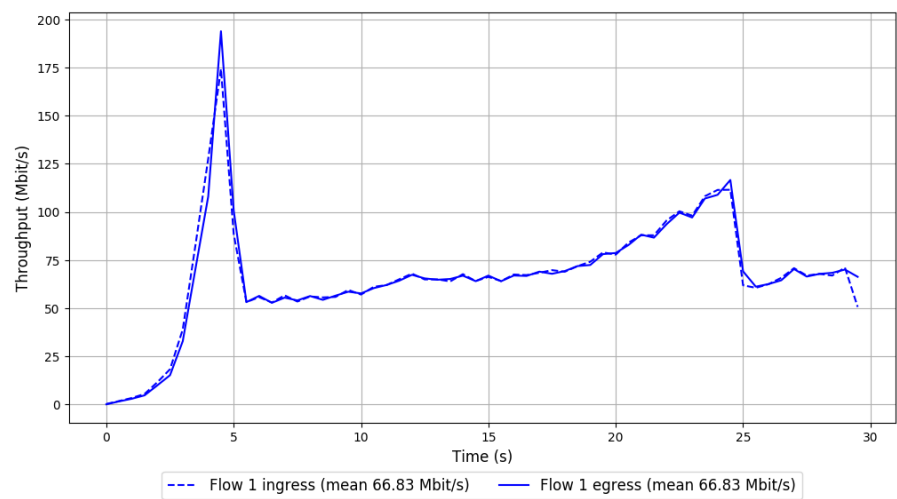
-- Flow 1:

Average throughput: 66.83 Mbit/s

95th percentile per-packet one-way delay: 114.468 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-16 11:52:21

End at: 2018-01-16 11:52:51

Below is generated by plot.py at 2018-01-16 14:22:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.85 Mbit/s

95th percentile per-packet one-way delay: 112.714 ms

Loss rate: 0.00%

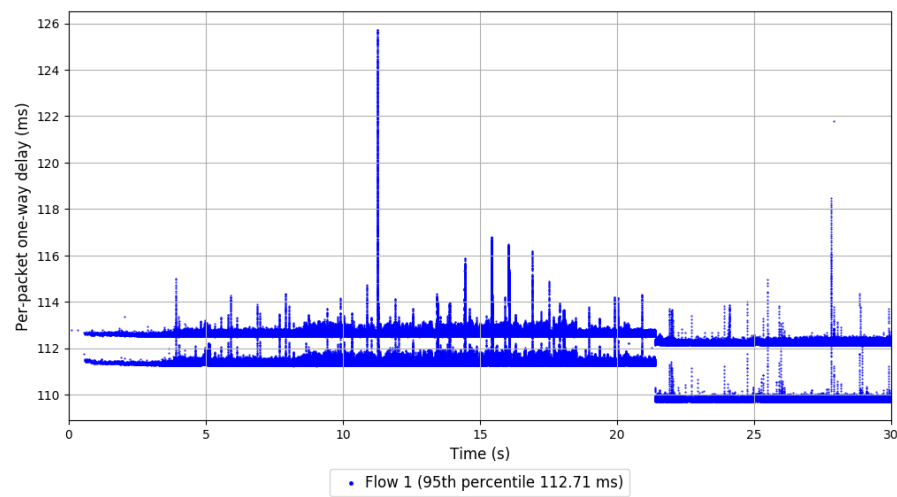
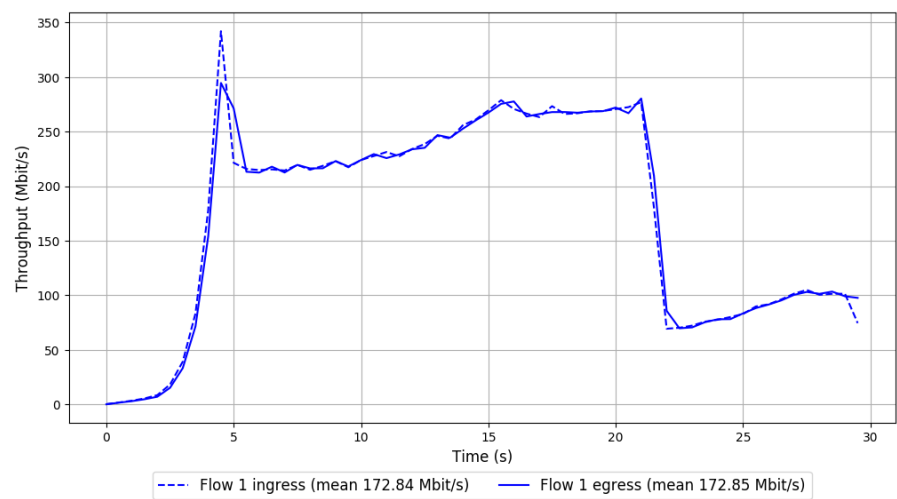
-- Flow 1:

Average throughput: 172.85 Mbit/s

95th percentile per-packet one-way delay: 112.714 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-16 12:07:45

End at: 2018-01-16 12:08:15

Below is generated by plot.py at 2018-01-16 14:22:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.03 Mbit/s

95th percentile per-packet one-way delay: 126.646 ms

Loss rate: 0.00%

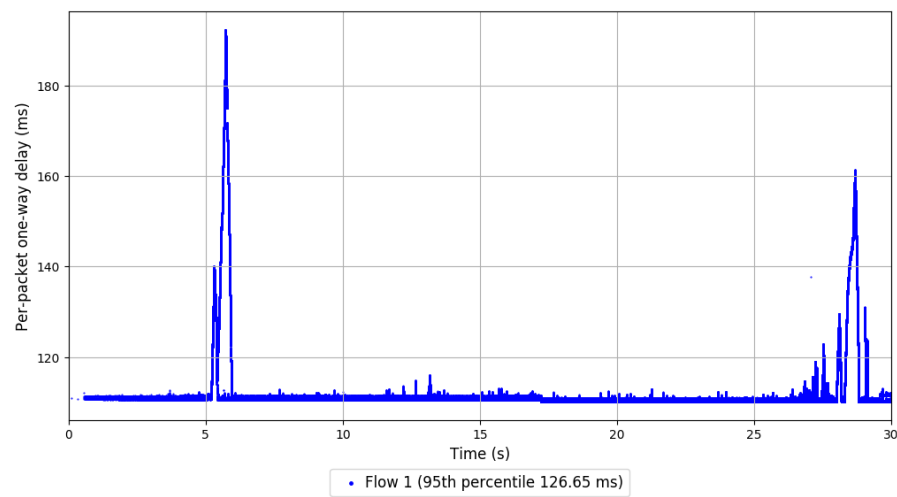
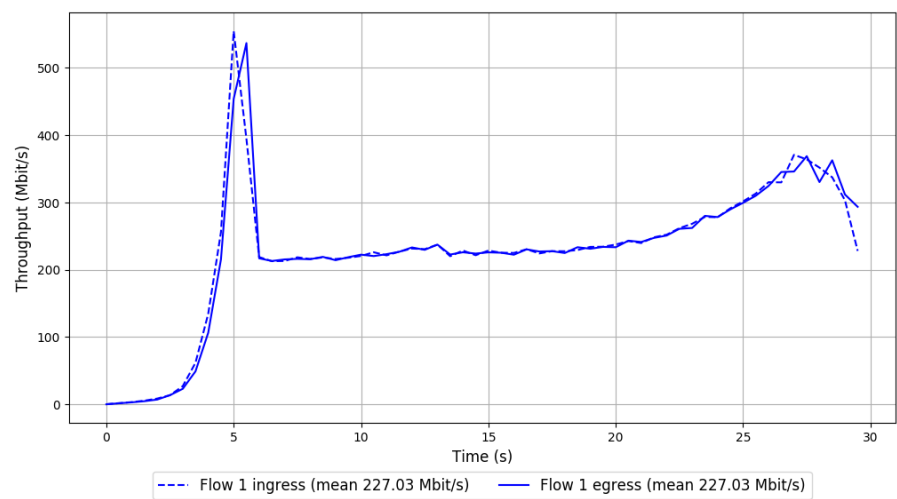
-- Flow 1:

Average throughput: 227.03 Mbit/s

95th percentile per-packet one-way delay: 126.646 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-16 12:23:23

End at: 2018-01-16 12:23:53

Below is generated by plot.py at 2018-01-16 14:22:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.46 Mbit/s

95th percentile per-packet one-way delay: 112.771 ms

Loss rate: 0.00%

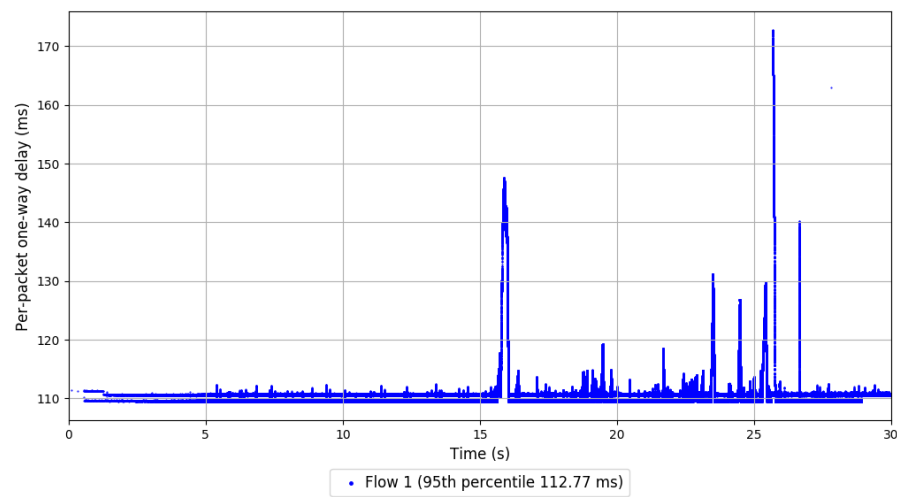
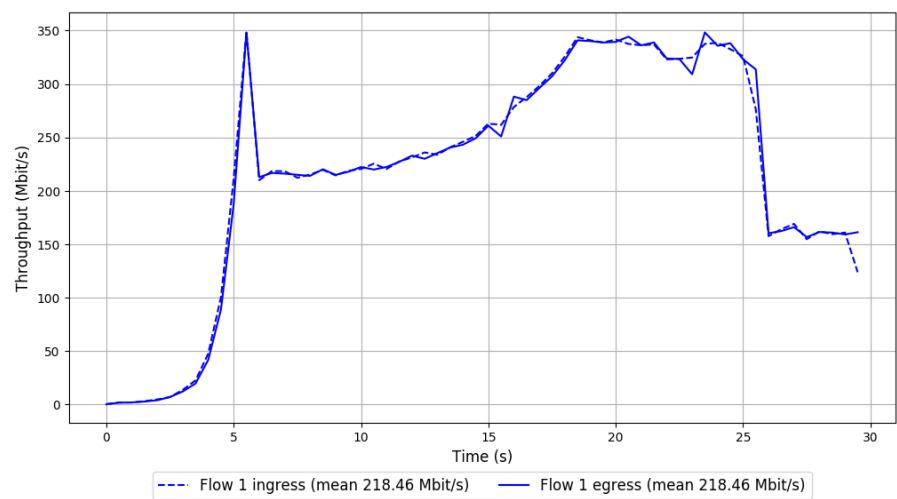
-- Flow 1:

Average throughput: 218.46 Mbit/s

95th percentile per-packet one-way delay: 112.771 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

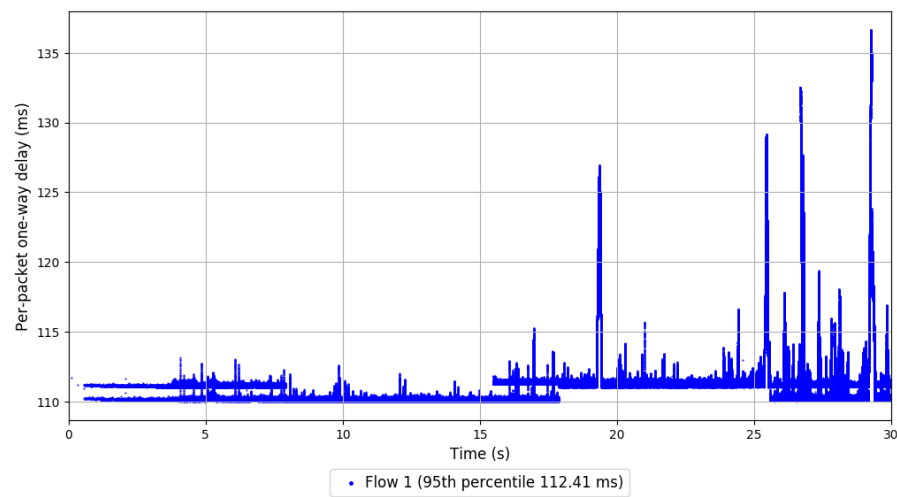
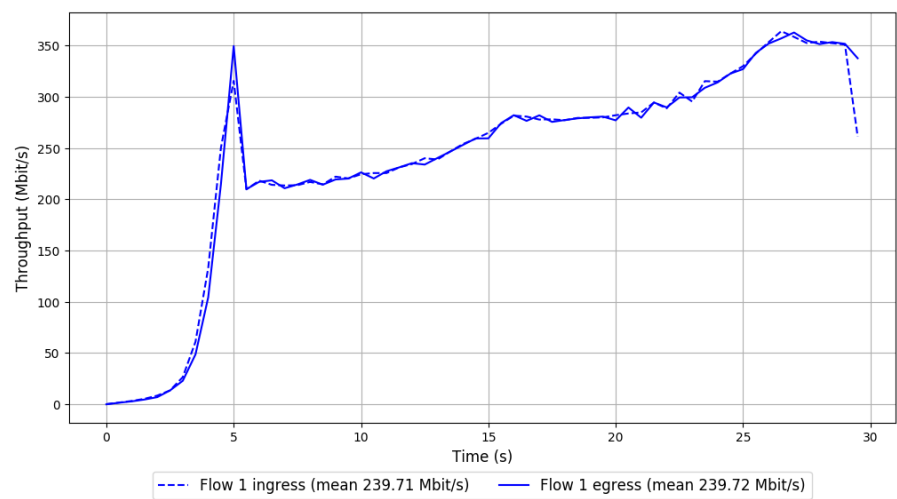


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 10:04:26
End at: 2018-01-16 10:04:56

# Below is generated by plot.py at 2018-01-16 14:22:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.72 Mbit/s
95th percentile per-packet one-way delay: 112.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.72 Mbit/s
95th percentile per-packet one-way delay: 112.413 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 10:19:44

End at: 2018-01-16 10:20:14

Below is generated by plot.py at 2018-01-16 14:22:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.42 Mbit/s

95th percentile per-packet one-way delay: 210.144 ms

Loss rate: 0.26%

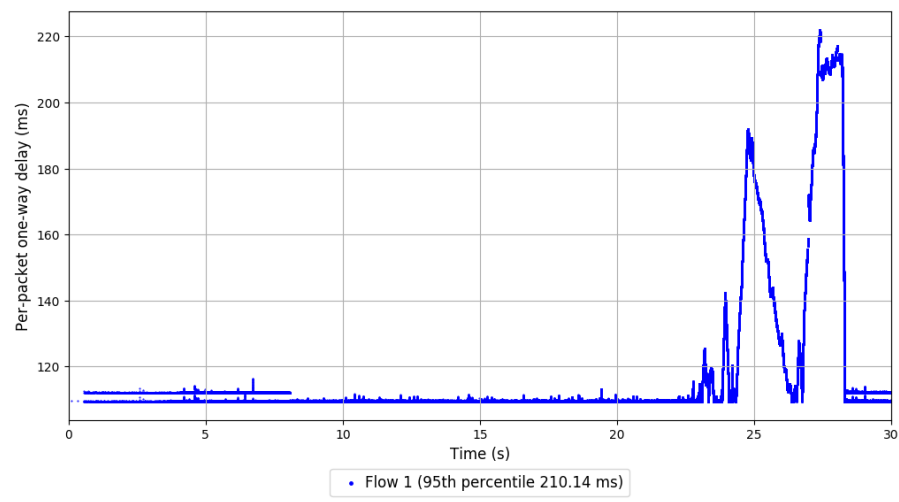
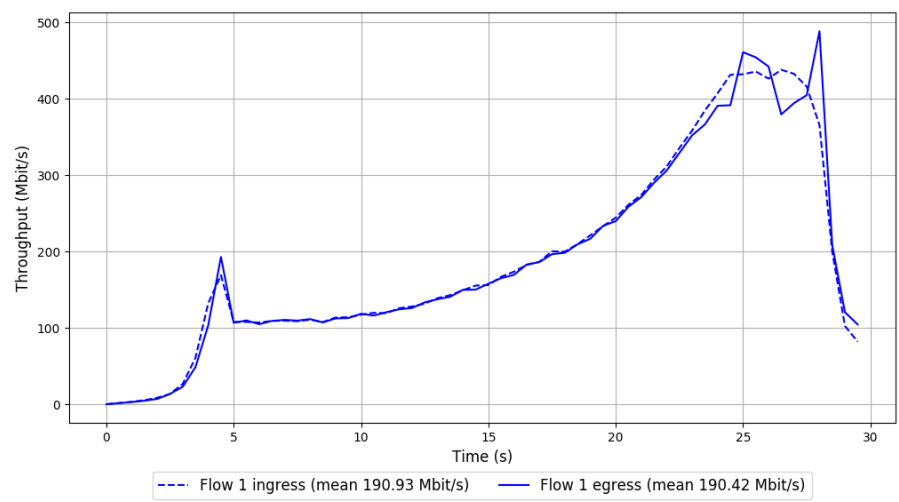
-- Flow 1:

Average throughput: 190.42 Mbit/s

95th percentile per-packet one-way delay: 210.144 ms

Loss rate: 0.26%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 10:34:49

End at: 2018-01-16 10:35:19

Below is generated by plot.py at 2018-01-16 14:25:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.48 Mbit/s

95th percentile per-packet one-way delay: 371.457 ms

Loss rate: 6.45%

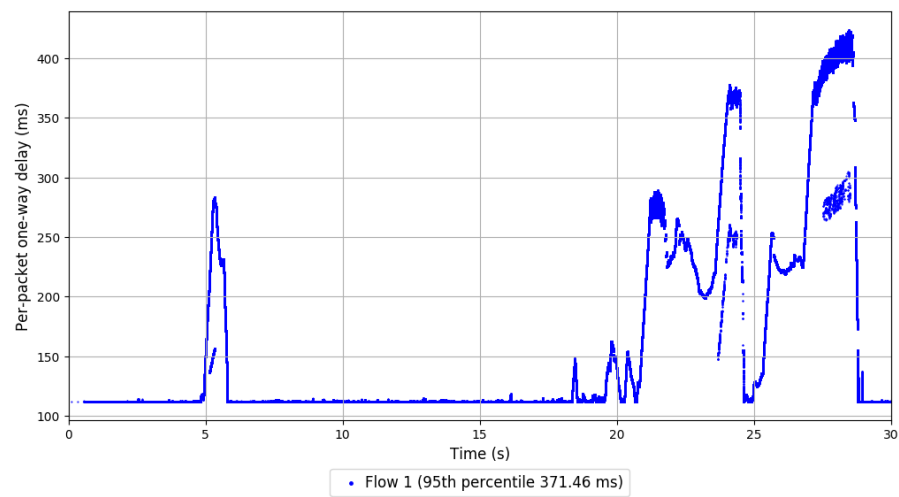
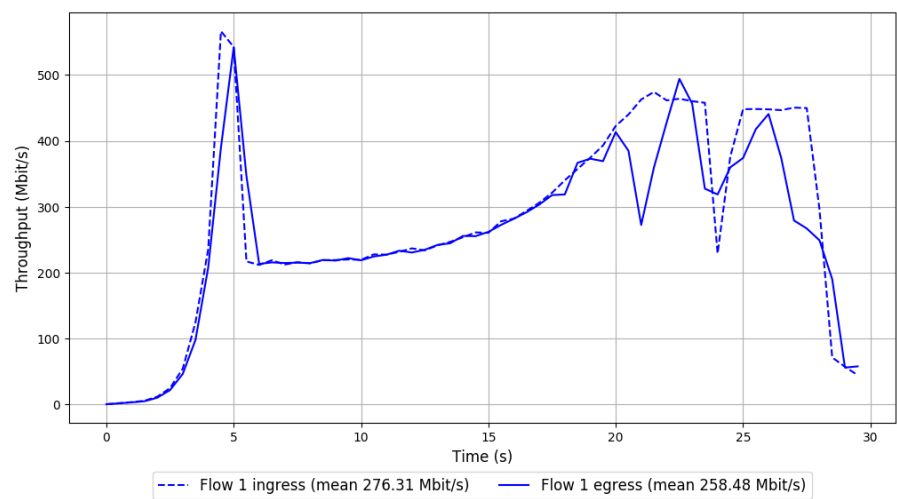
-- Flow 1:

Average throughput: 258.48 Mbit/s

95th percentile per-packet one-way delay: 371.457 ms

Loss rate: 6.45%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-16 10:49:46

End at: 2018-01-16 10:50:16

Below is generated by plot.py at 2018-01-16 14:25:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.20 Mbit/s

95th percentile per-packet one-way delay: 112.342 ms

Loss rate: 0.00%

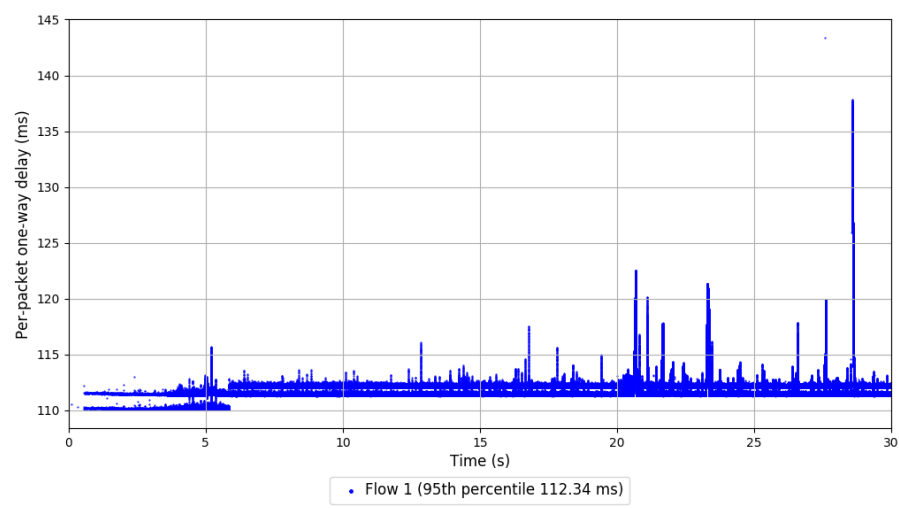
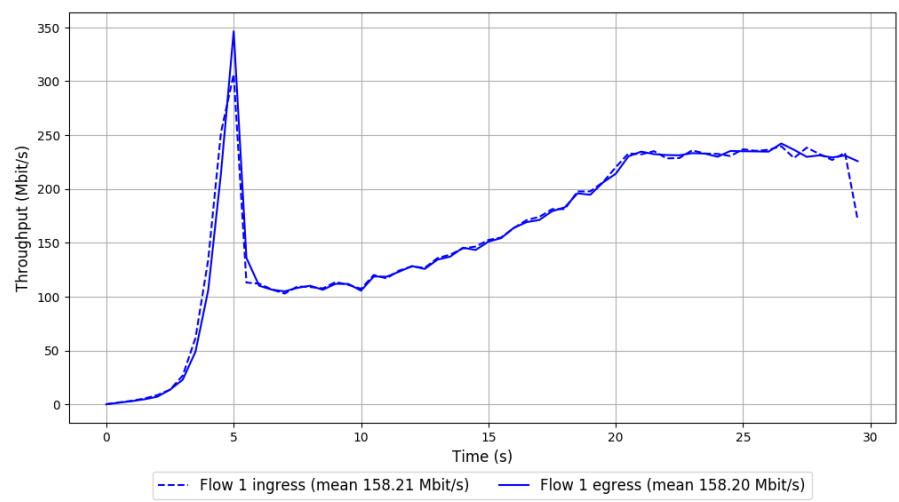
-- Flow 1:

Average throughput: 158.20 Mbit/s

95th percentile per-packet one-way delay: 112.342 ms

Loss rate: 0.00%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-16 11:04:52

End at: 2018-01-16 11:05:22

Below is generated by plot.py at 2018-01-16 14:25:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.40 Mbit/s

95th percentile per-packet one-way delay: 204.844 ms

Loss rate: 1.07%

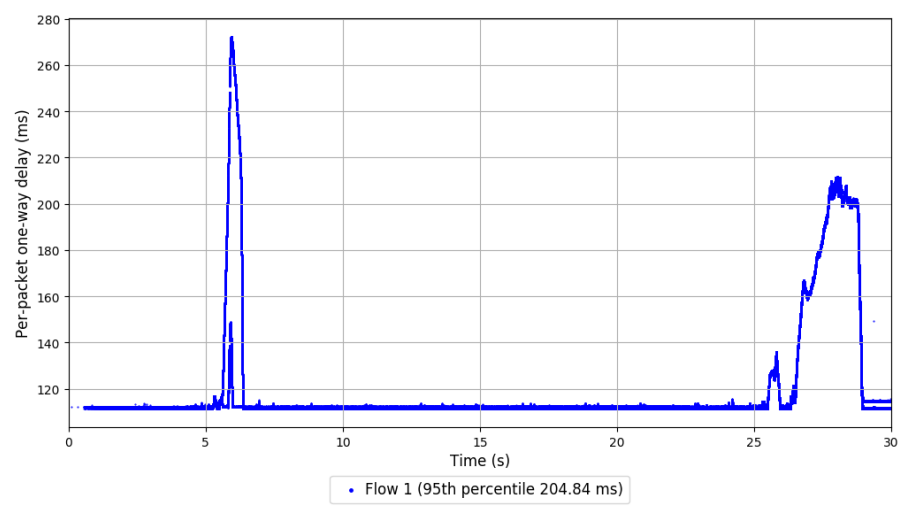
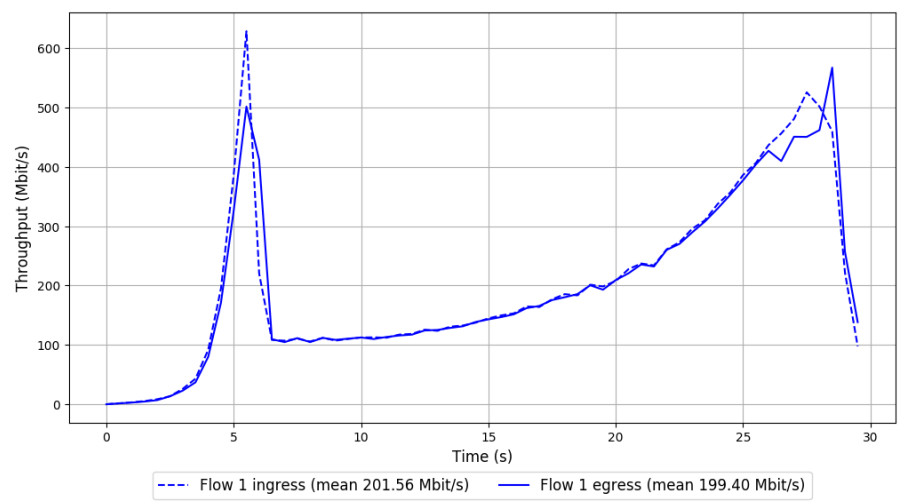
-- Flow 1:

Average throughput: 199.40 Mbit/s

95th percentile per-packet one-way delay: 204.844 ms

Loss rate: 1.07%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-16 11:19:31

End at: 2018-01-16 11:20:01

Below is generated by plot.py at 2018-01-16 14:26:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.73 Mbit/s

95th percentile per-packet one-way delay: 122.864 ms

Loss rate: 0.54%

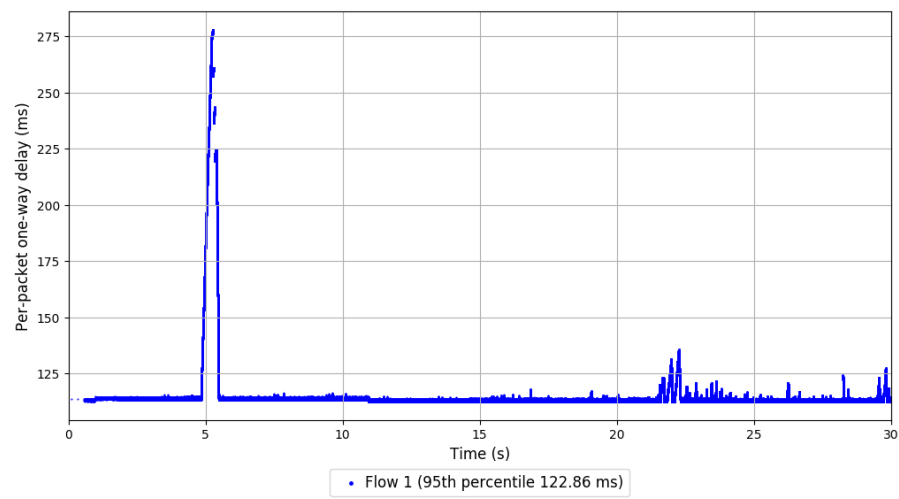
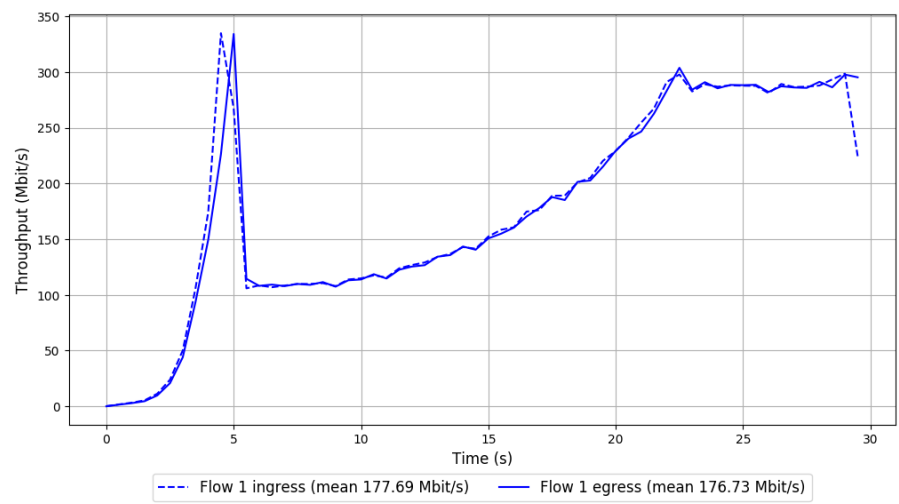
-- Flow 1:

Average throughput: 176.73 Mbit/s

95th percentile per-packet one-way delay: 122.864 ms

Loss rate: 0.54%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-16 11:34:22

End at: 2018-01-16 11:34:52

Below is generated by plot.py at 2018-01-16 14:26:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.52 Mbit/s

95th percentile per-packet one-way delay: 114.451 ms

Loss rate: 0.00%

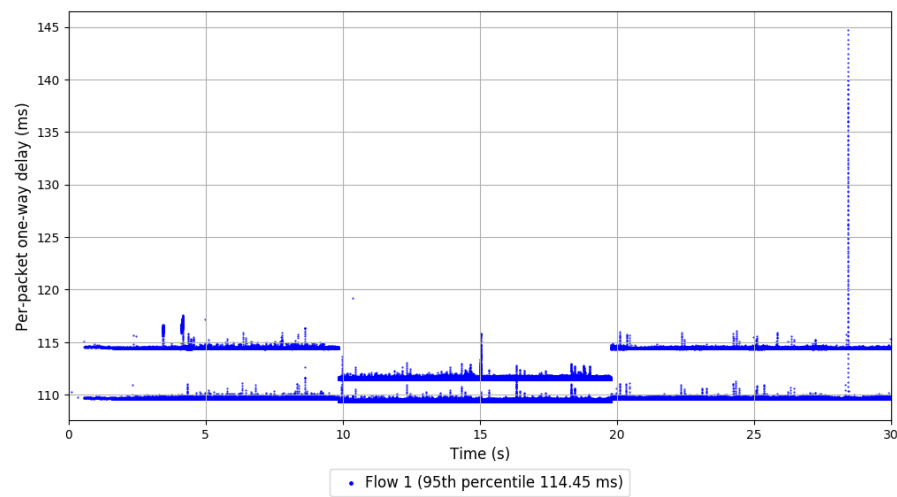
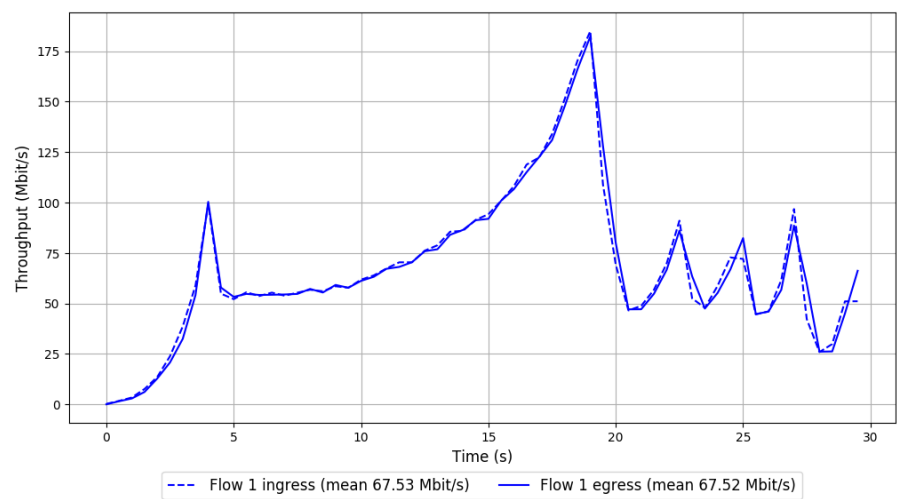
-- Flow 1:

Average throughput: 67.52 Mbit/s

95th percentile per-packet one-way delay: 114.451 ms

Loss rate: 0.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-16 11:49:15

End at: 2018-01-16 11:49:45

Below is generated by plot.py at 2018-01-16 14:26:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.48 Mbit/s

95th percentile per-packet one-way delay: 111.636 ms

Loss rate: 0.02%

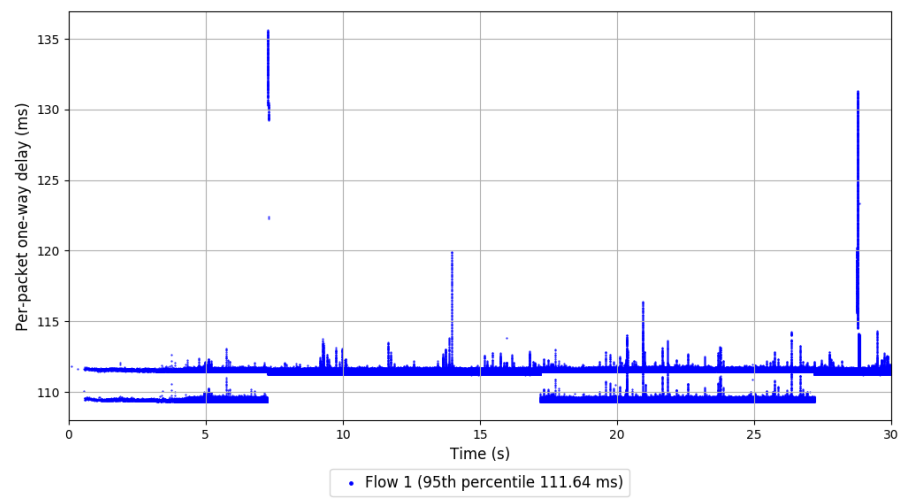
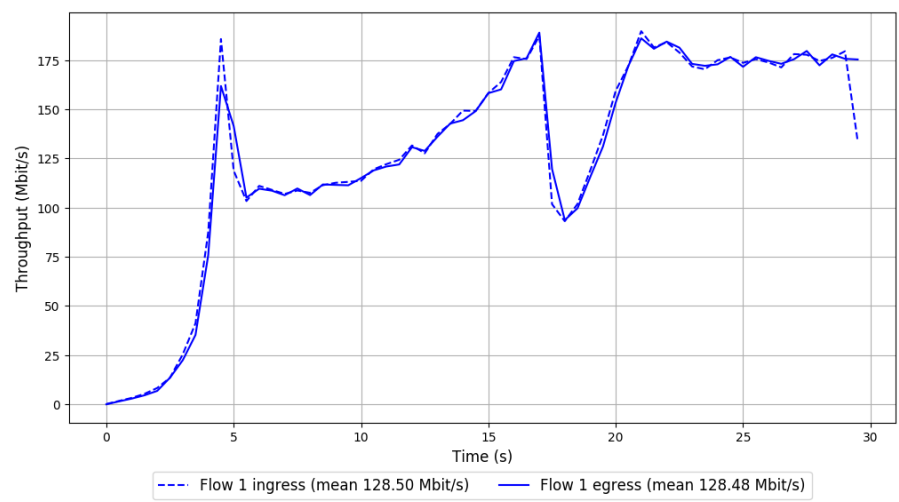
-- Flow 1:

Average throughput: 128.48 Mbit/s

95th percentile per-packet one-way delay: 111.636 ms

Loss rate: 0.02%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-01-16 12:04:37

End at: 2018-01-16 12:05:07

Below is generated by plot.py at 2018-01-16 14:26:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.67 Mbit/s

95th percentile per-packet one-way delay: 112.232 ms

Loss rate: 0.00%

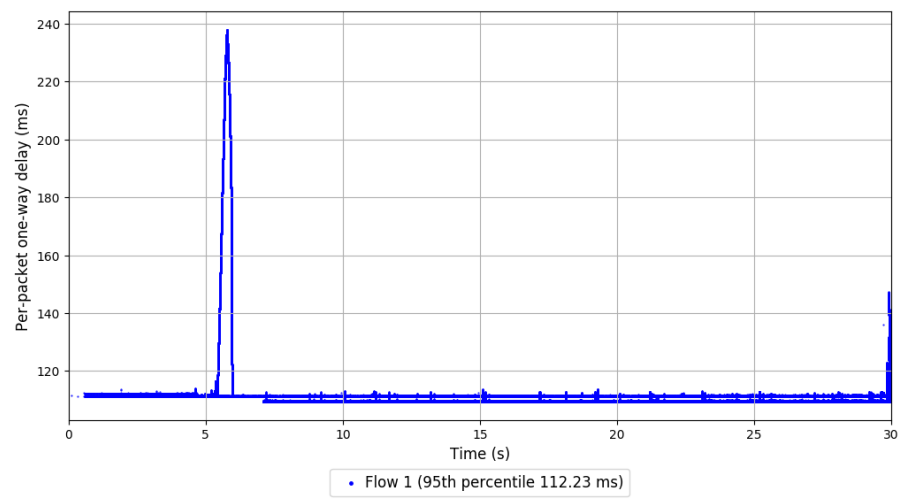
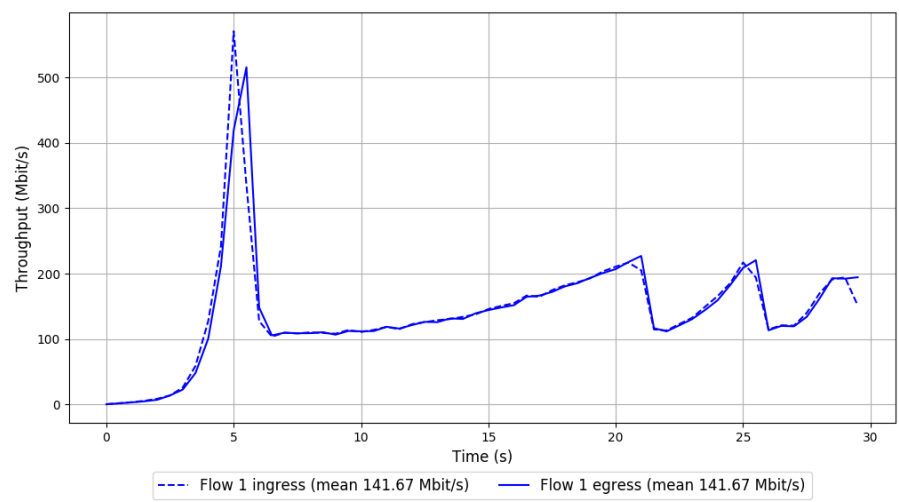
-- Flow 1:

Average throughput: 141.67 Mbit/s

95th percentile per-packet one-way delay: 112.232 ms

Loss rate: 0.00%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-16 12:20:07

End at: 2018-01-16 12:20:37

Below is generated by plot.py at 2018-01-16 14:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.88 Mbit/s

95th percentile per-packet one-way delay: 227.630 ms

Loss rate: 1.84%

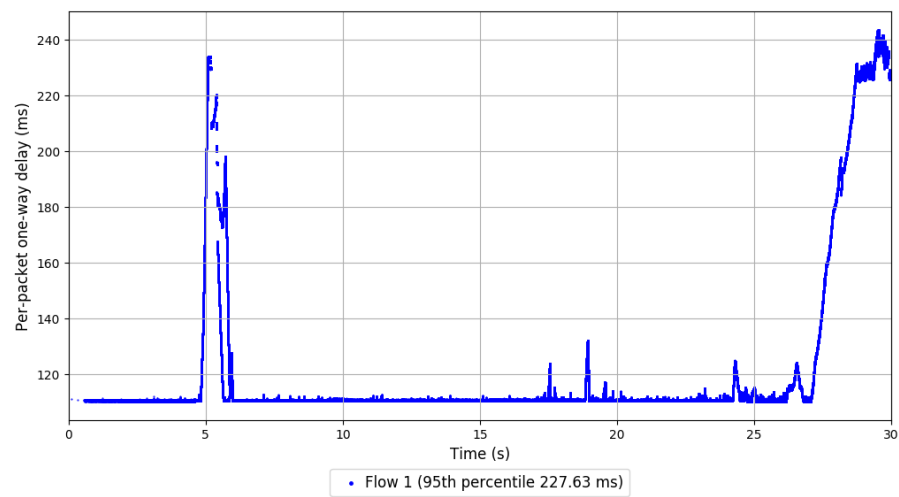
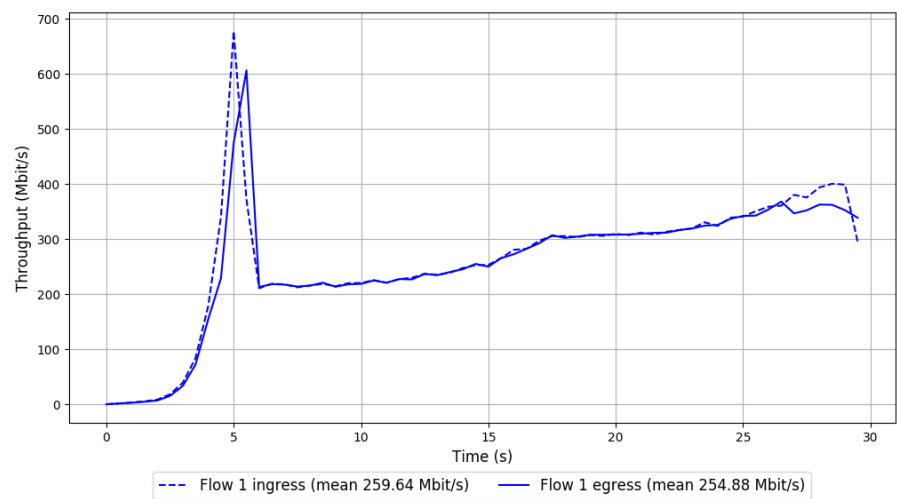
-- Flow 1:

Average throughput: 254.88 Mbit/s

95th percentile per-packet one-way delay: 227.630 ms

Loss rate: 1.84%

Run 10: Report of Vivace-loss — Data Link

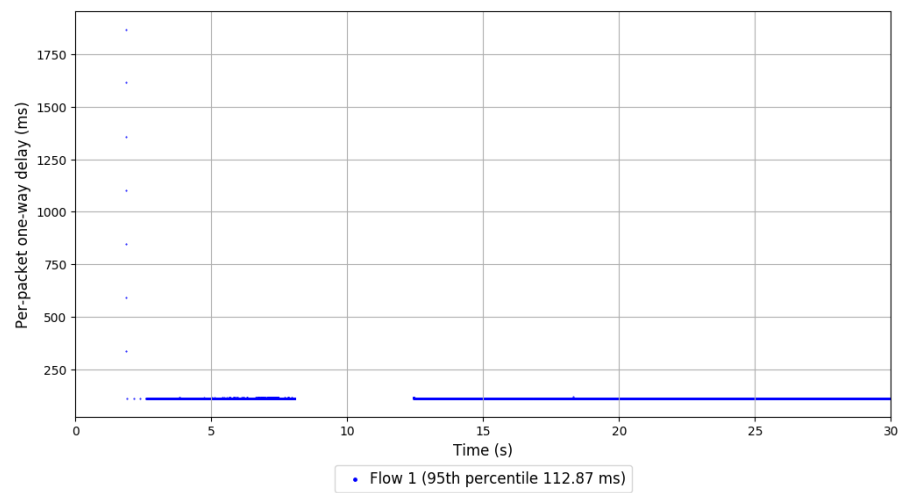
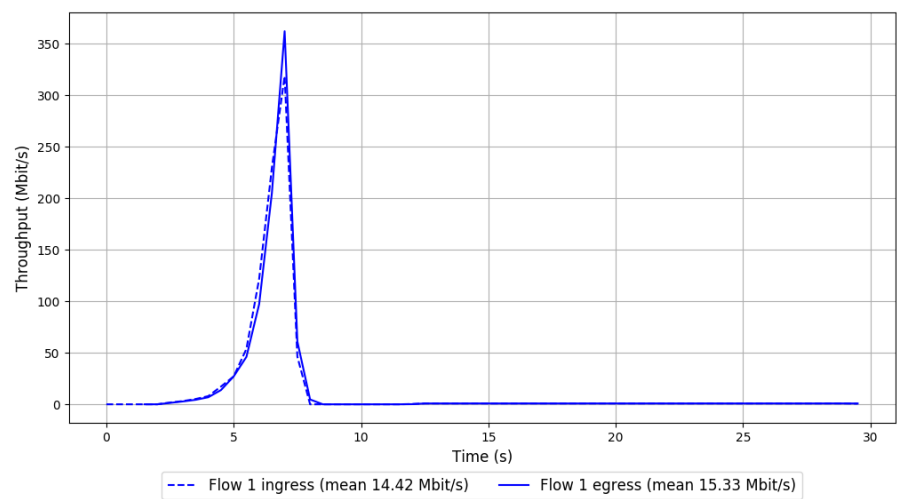


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 09:55:41
End at: 2018-01-16 09:56:11

# Below is generated by plot.py at 2018-01-16 14:29:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 112.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 112.866 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 10:10:44

End at: 2018-01-16 10:11:14

Below is generated by plot.py at 2018-01-16 14:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.73 Mbit/s

95th percentile per-packet one-way delay: 116.128 ms

Loss rate: 0.00%

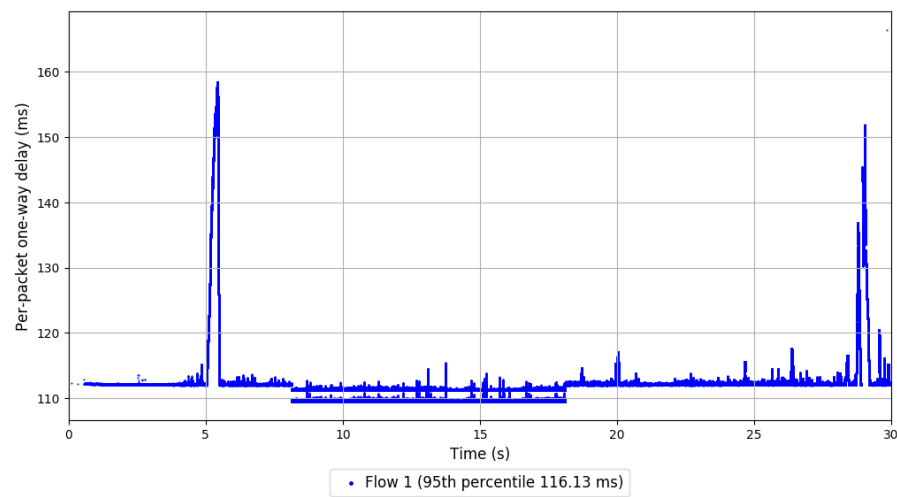
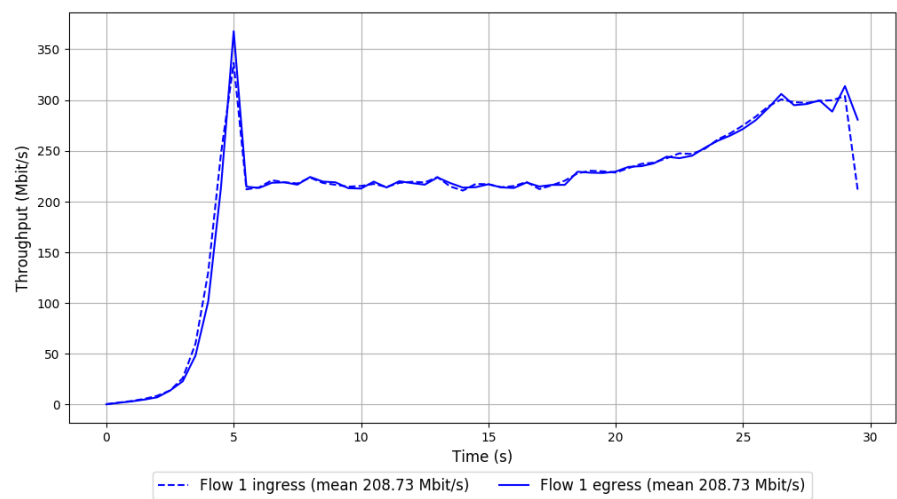
-- Flow 1:

Average throughput: 208.73 Mbit/s

95th percentile per-packet one-way delay: 116.128 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-16 10:25:53

End at: 2018-01-16 10:26:23

Below is generated by plot.py at 2018-01-16 14:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.68 Mbit/s

95th percentile per-packet one-way delay: 125.297 ms

Loss rate: 0.00%

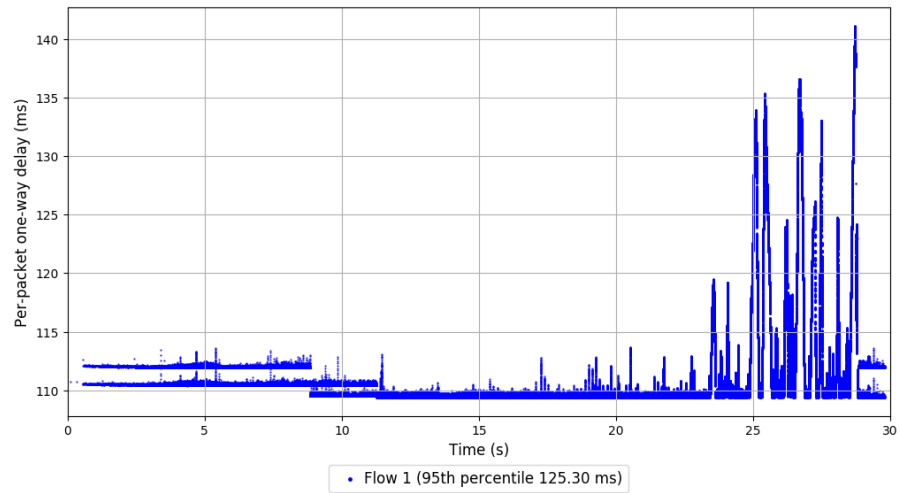
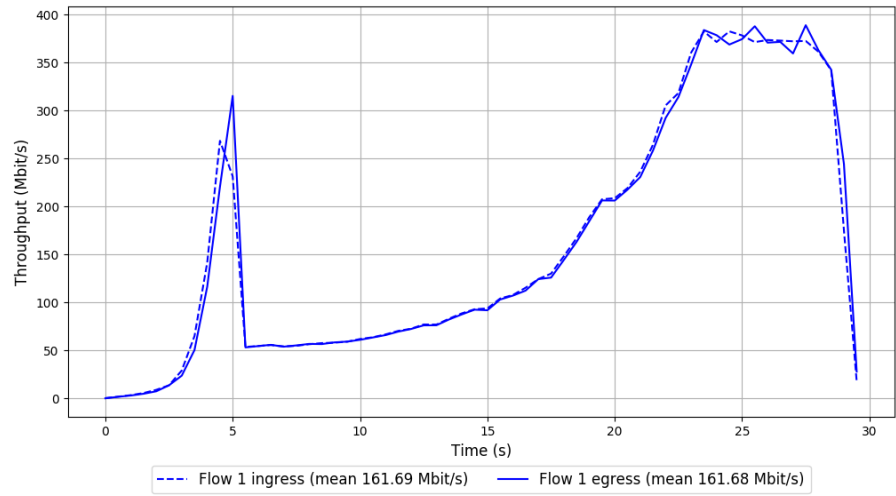
-- Flow 1:

Average throughput: 161.68 Mbit/s

95th percentile per-packet one-way delay: 125.297 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-16 10:41:11

End at: 2018-01-16 10:41:41

Below is generated by plot.py at 2018-01-16 14:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.23 Mbit/s

95th percentile per-packet one-way delay: 111.556 ms

Loss rate: 0.00%

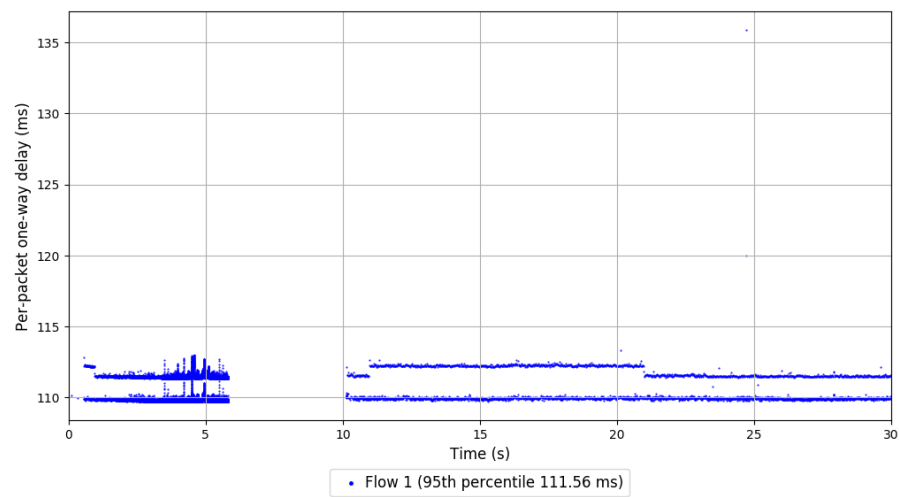
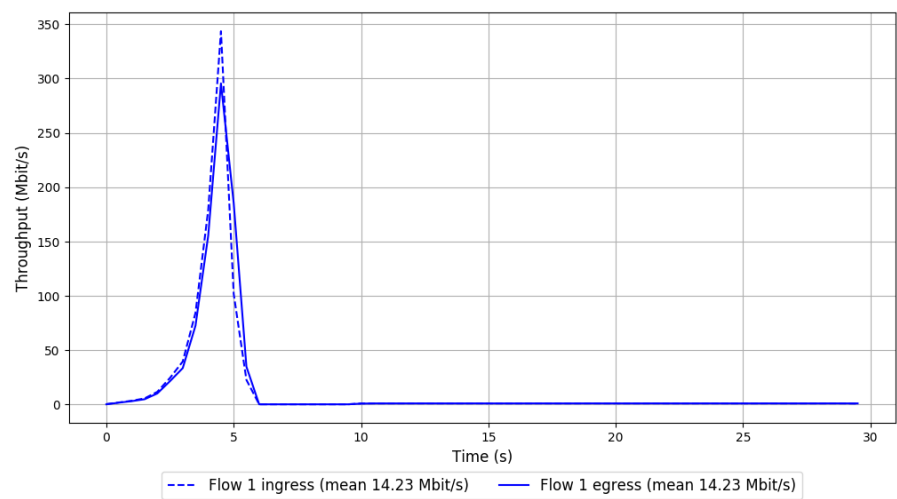
-- Flow 1:

Average throughput: 14.23 Mbit/s

95th percentile per-packet one-way delay: 111.556 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-16 10:55:57

End at: 2018-01-16 10:56:27

Below is generated by plot.py at 2018-01-16 14:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.02 Mbit/s

95th percentile per-packet one-way delay: 186.144 ms

Loss rate: 0.00%

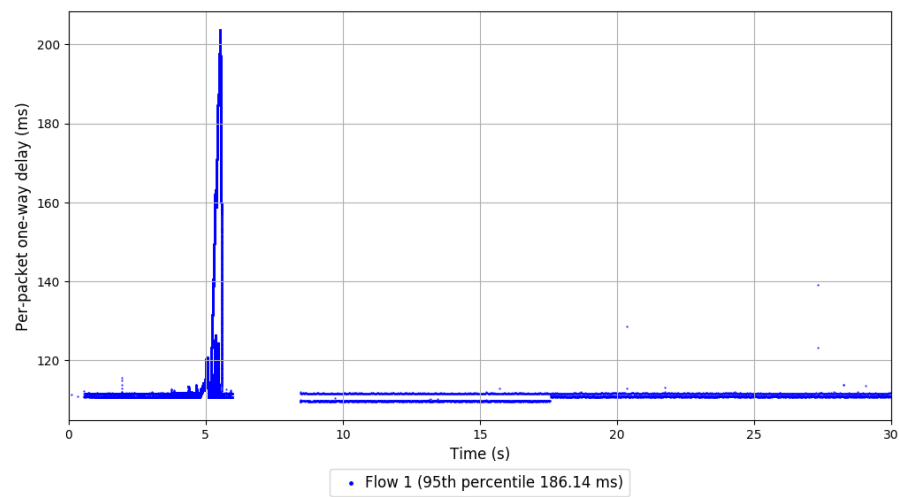
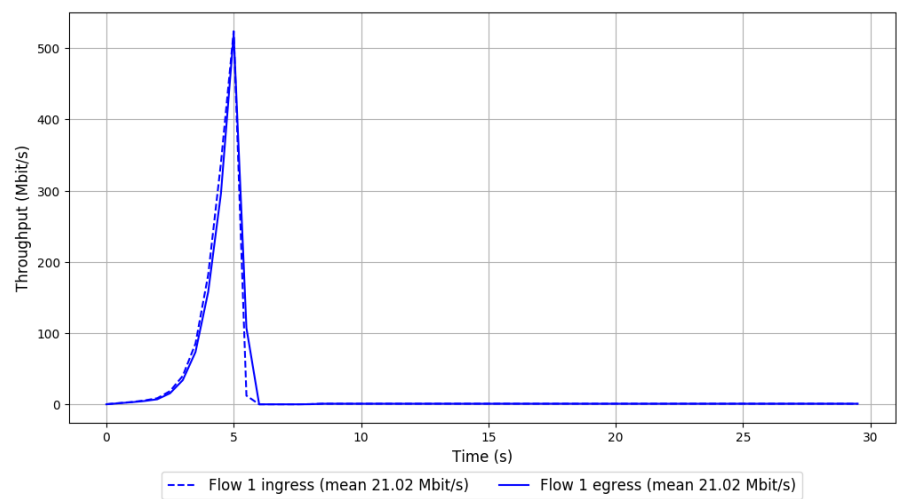
-- Flow 1:

Average throughput: 21.02 Mbit/s

95th percentile per-packet one-way delay: 186.144 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-16 11:10:57

End at: 2018-01-16 11:11:27

Below is generated by plot.py at 2018-01-16 14:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 114.507 ms

Loss rate: 0.00%

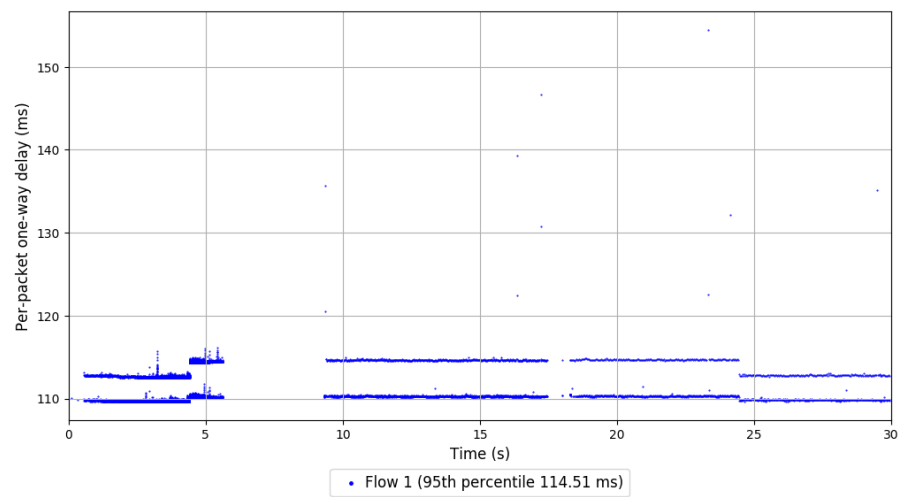
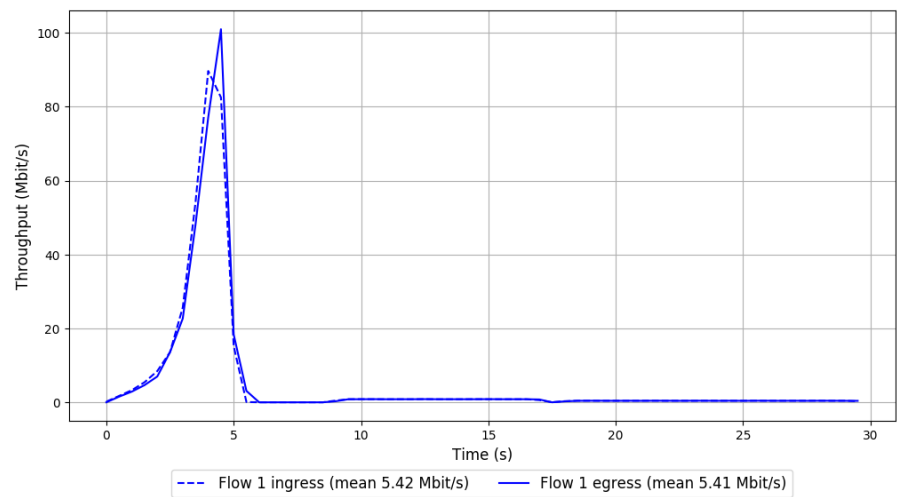
-- Flow 1:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 114.507 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-01-16 11:25:33

End at: 2018-01-16 11:26:03

Below is generated by plot.py at 2018-01-16 14:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.02 Mbit/s

95th percentile per-packet one-way delay: 149.483 ms

Loss rate: 0.03%

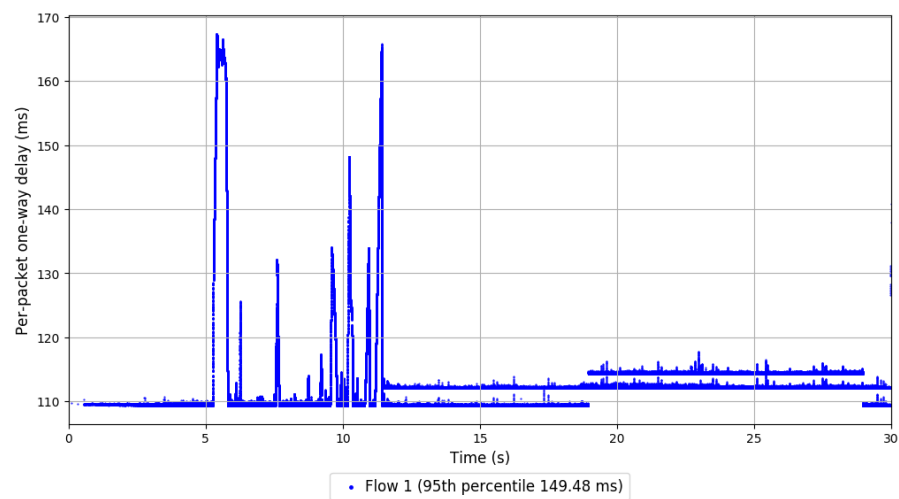
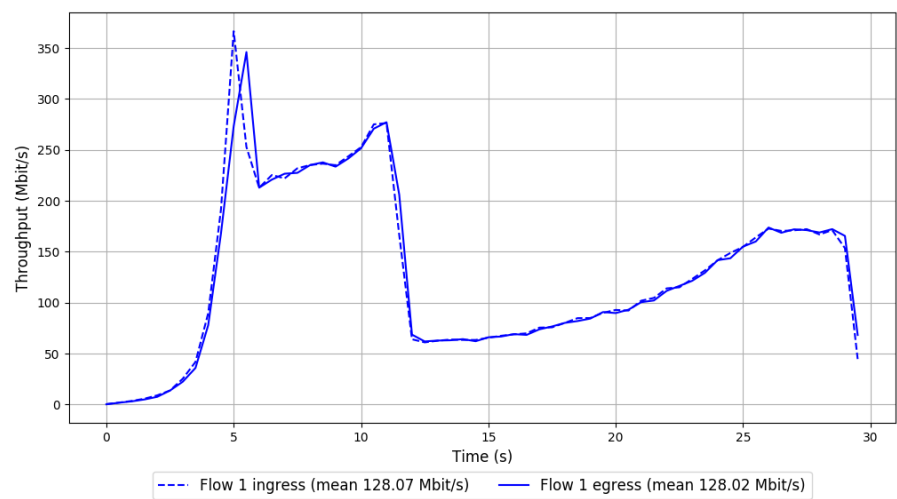
-- Flow 1:

Average throughput: 128.02 Mbit/s

95th percentile per-packet one-way delay: 149.483 ms

Loss rate: 0.03%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-16 11:40:09

End at: 2018-01-16 11:40:39

Below is generated by plot.py at 2018-01-16 14:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.19 Mbit/s

95th percentile per-packet one-way delay: 111.615 ms

Loss rate: 0.00%

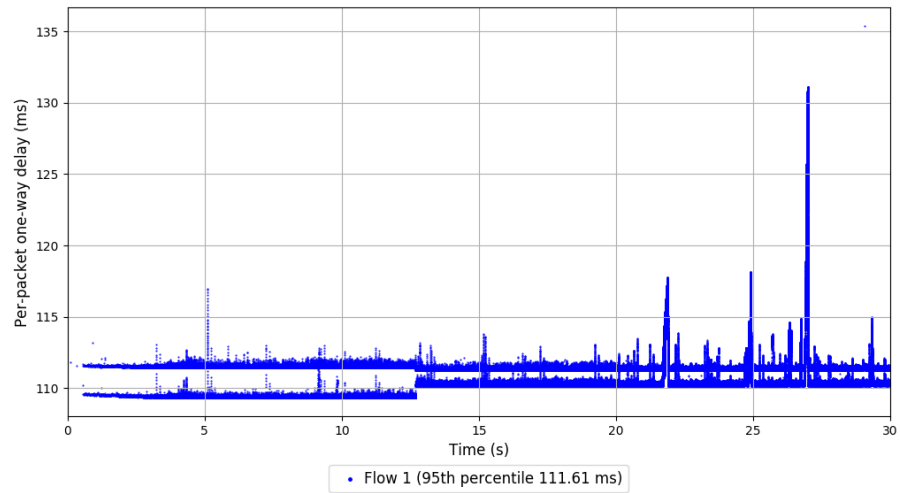
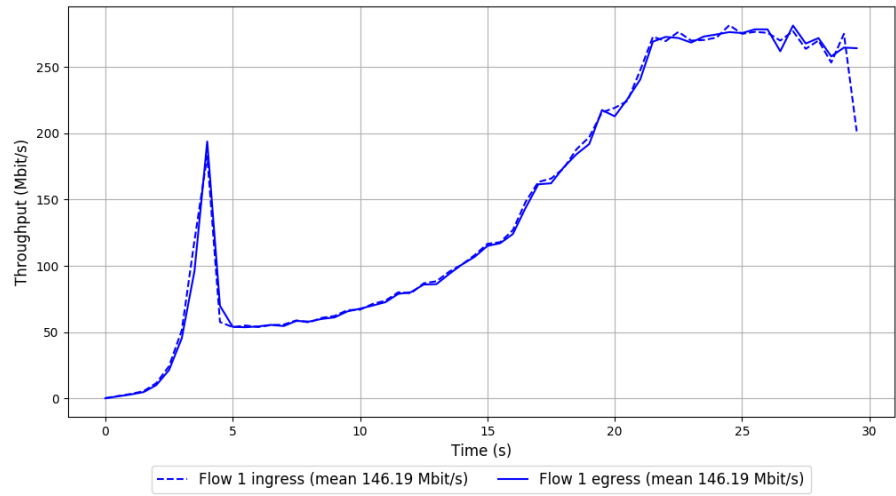
-- Flow 1:

Average throughput: 146.19 Mbit/s

95th percentile per-packet one-way delay: 111.615 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-16 11:55:19

End at: 2018-01-16 11:55:50

Below is generated by plot.py at 2018-01-16 14:29:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.39 Mbit/s

95th percentile per-packet one-way delay: 136.443 ms

Loss rate: 0.01%

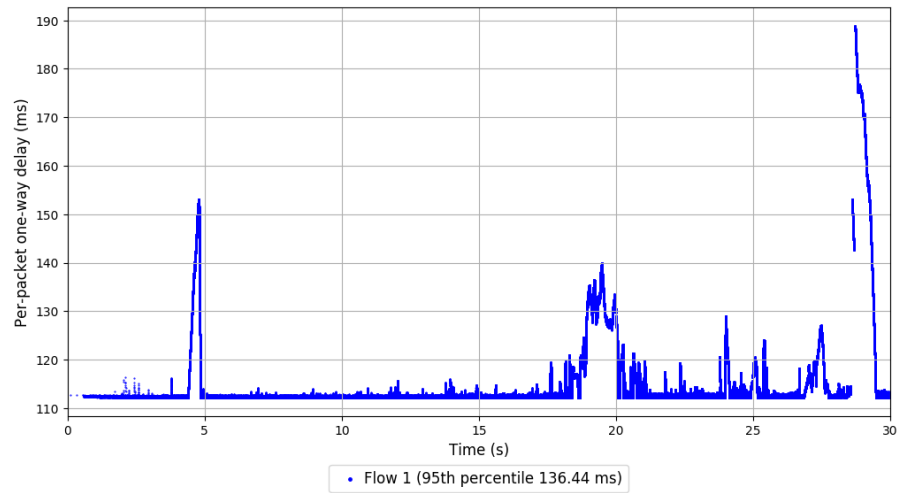
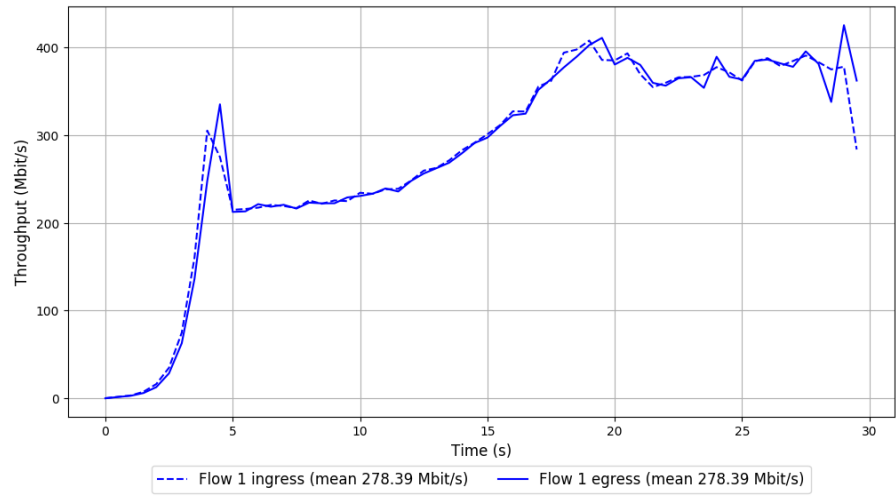
-- Flow 1:

Average throughput: 278.39 Mbit/s

95th percentile per-packet one-way delay: 136.443 ms

Loss rate: 0.01%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-16 12:10:49

End at: 2018-01-16 12:11:19

Below is generated by plot.py at 2018-01-16 14:29:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.86 Mbit/s

95th percentile per-packet one-way delay: 115.473 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 222.86 Mbit/s

95th percentile per-packet one-way delay: 115.473 ms

Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

