

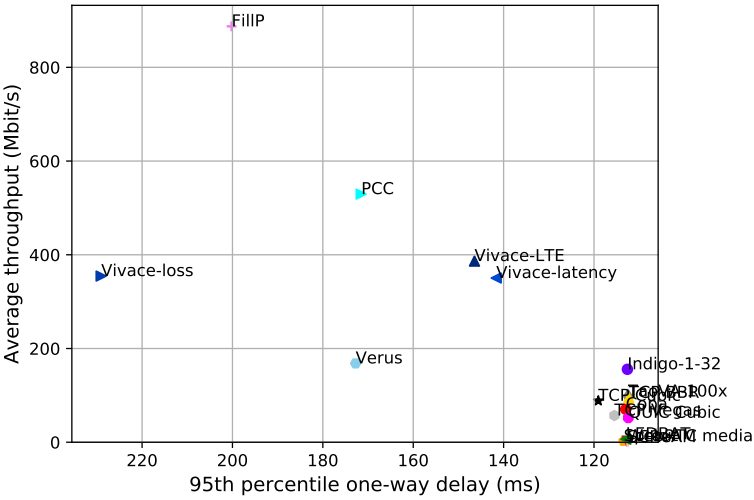
Pantheon Report

Generated at 2018-02-16 05:44:17 (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**).

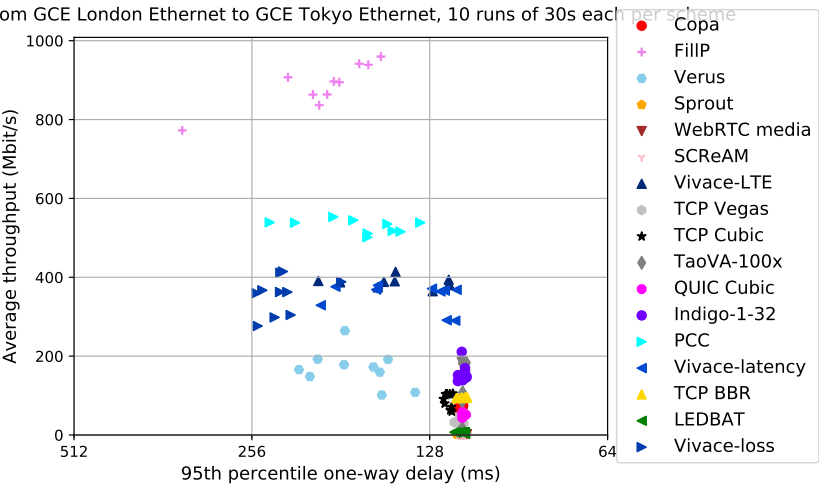
Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE 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	94.75	112.29	0.00
TCP Cubic	10	88.44	119.05	0.01
LEDBAT	9	6.43	112.97	0.00
PCC	10	529.47	171.51	1.15
QUIC Cubic	8	52.20	112.41	0.00
SCReAM	10	0.20	112.58	0.00
WebRTC media	10	2.17	112.67	0.00
Sprout	10	2.45	113.43	0.00
TaoVA-100x	10	97.56	112.48	0.00
TCP Vegas	10	56.98	115.49	0.01
Verus	10	168.21	172.75	0.45
Copa	10	70.36	112.96	0.00
FillP	10	887.49	200.20	3.77
Indigo-1-32	10	155.66	112.61	0.08
Vivace-latency	10	350.43	141.65	0.07
Vivace-loss	10	354.57	229.05	3.66
Vivace-LTE	10	386.62	146.45	0.22

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 00:53:05

End at: 2018-02-16 00:53:35

Below is generated by plot.py at 2018-02-16 04:35:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.06 Mbit/s

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

Loss rate: 0.00%

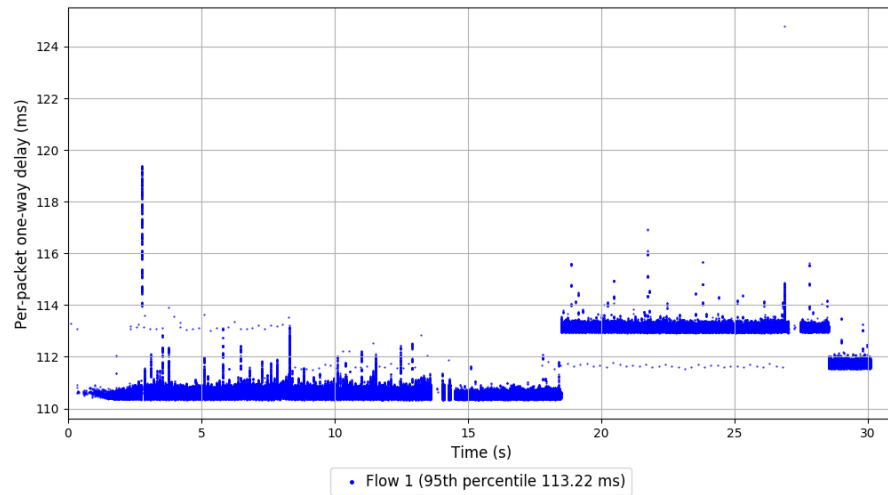
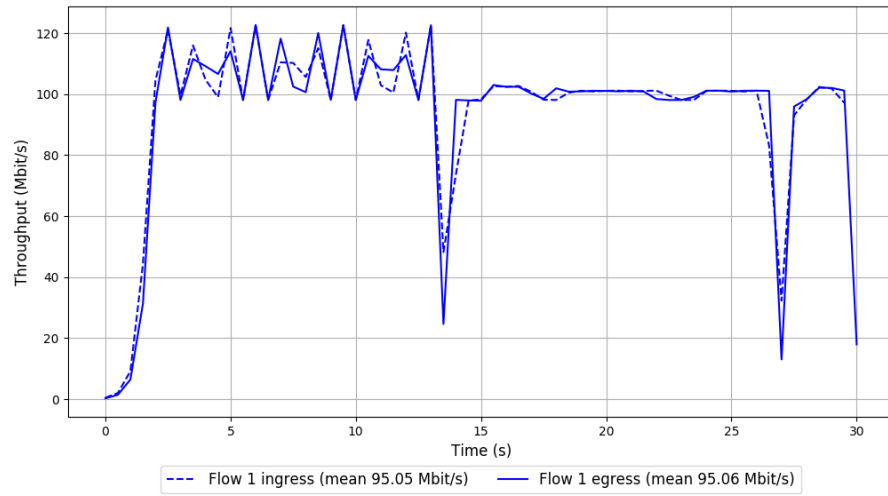
-- Flow 1:

Average throughput: 95.06 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-16 01:08:35

End at: 2018-02-16 01:09:05

Below is generated by plot.py at 2018-02-16 04:35:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 115.408 ms

Loss rate: 0.00%

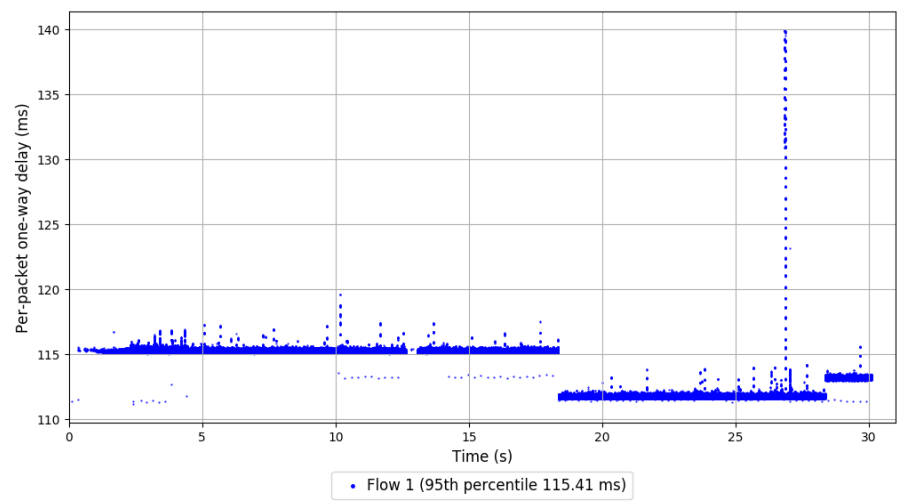
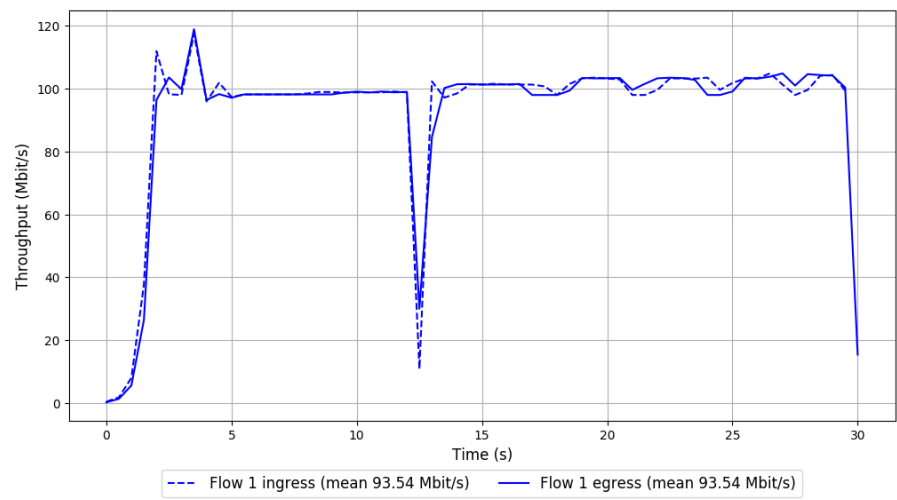
-- Flow 1:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 115.408 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-16 01:23:56

End at: 2018-02-16 01:24:26

Below is generated by plot.py at 2018-02-16 04:35:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 114.882 ms

Loss rate: 0.01%

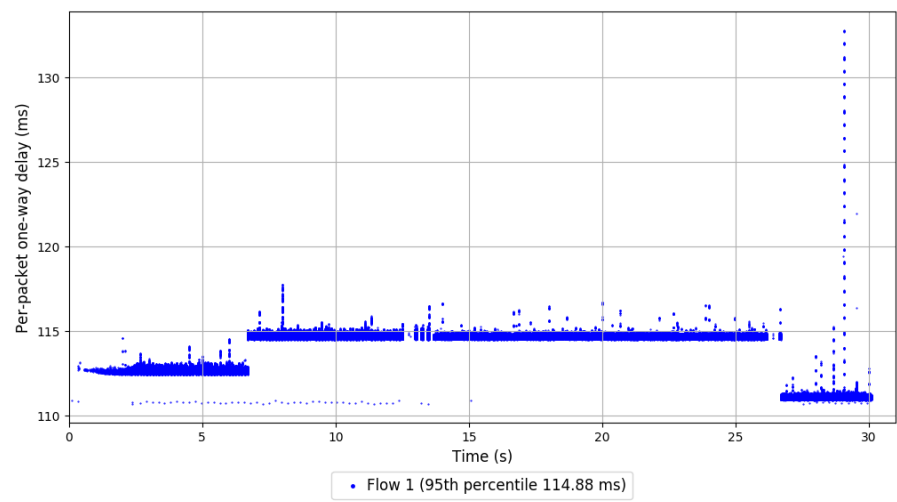
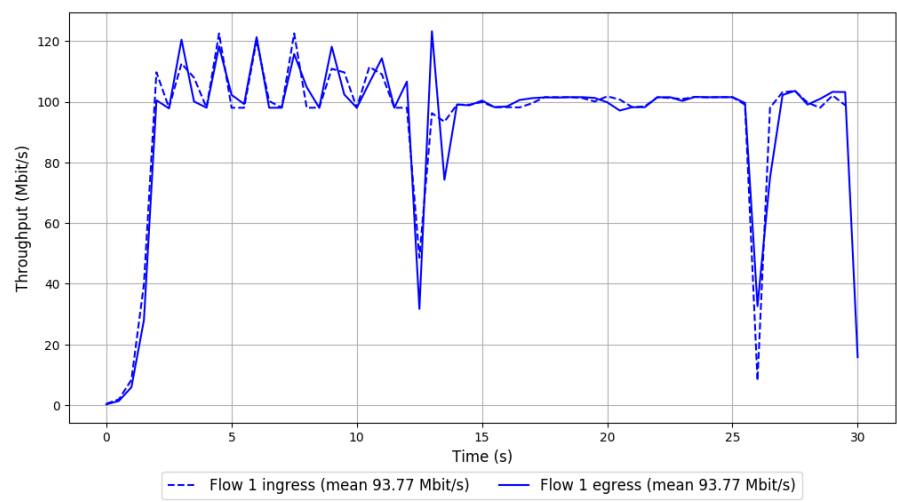
-- Flow 1:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 114.882 ms

Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-16 01:39:18

End at: 2018-02-16 01:39:48

Below is generated by plot.py at 2018-02-16 04:35:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 111.239 ms

Loss rate: 0.00%

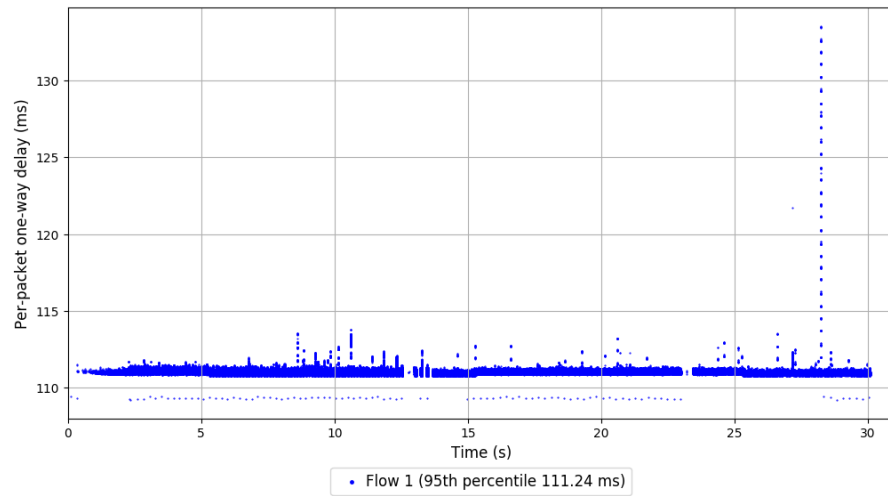
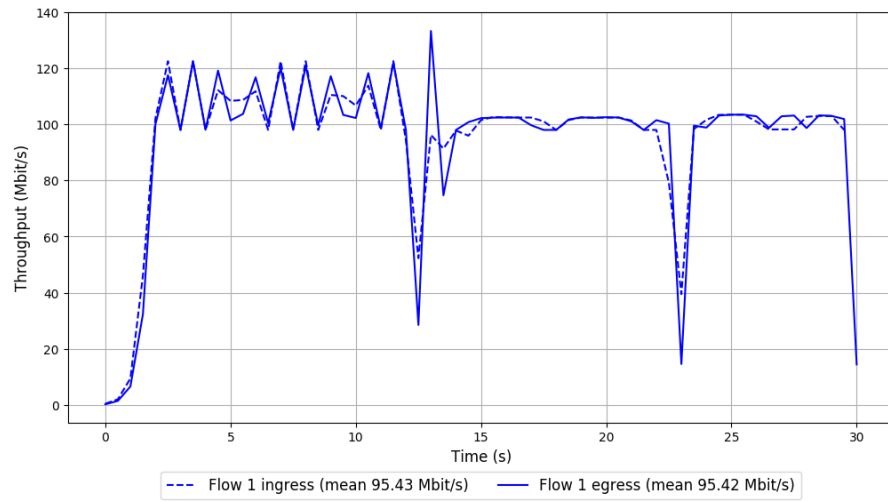
-- Flow 1:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 111.239 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-16 01:55:02

End at: 2018-02-16 01:55:32

Below is generated by plot.py at 2018-02-16 04:35:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 111.052 ms

Loss rate: 0.00%

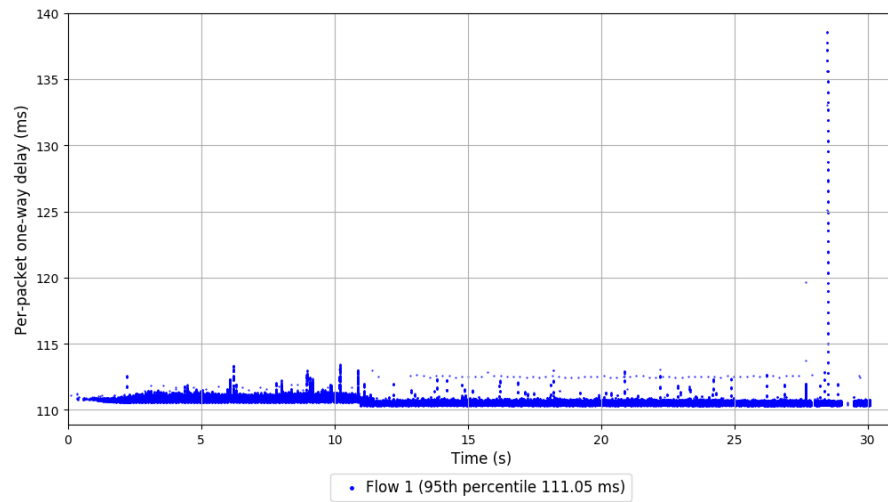
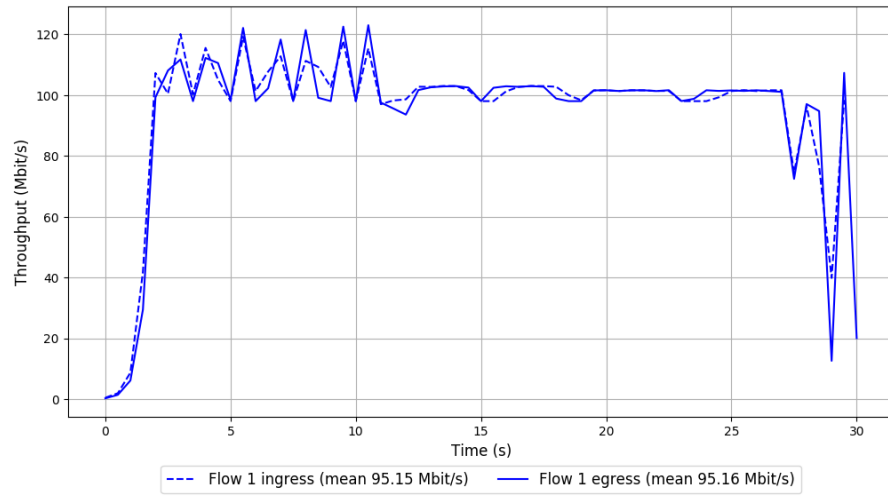
-- Flow 1:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 111.052 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-16 02:10:41

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

Below is generated by plot.py at 2018-02-16 04:35:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 110.638 ms

Loss rate: 0.00%

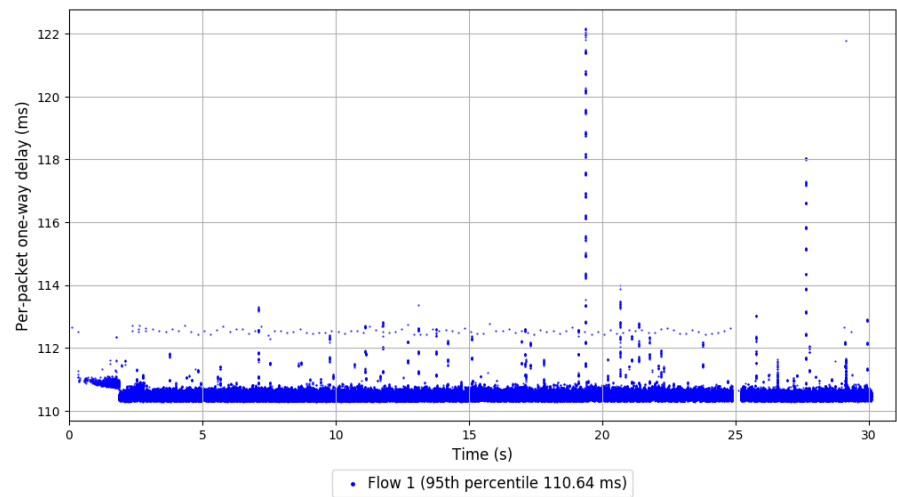
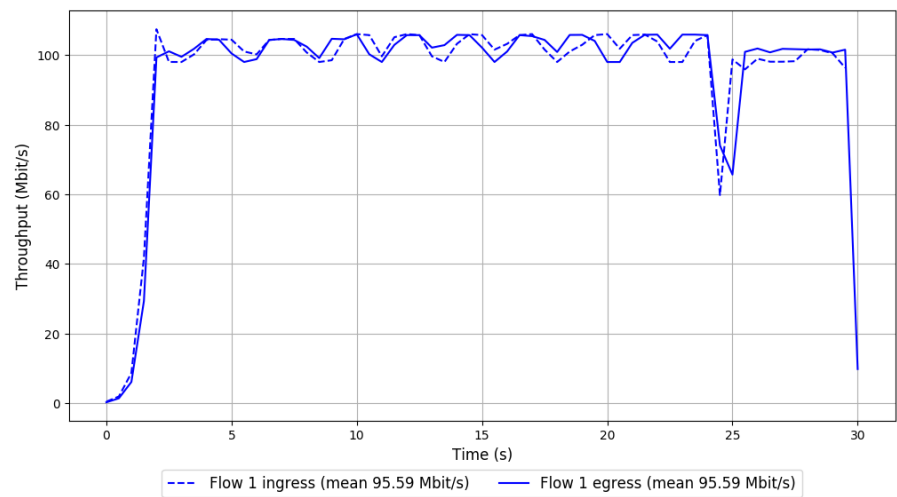
-- Flow 1:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 110.638 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-16 02:26:03

End at: 2018-02-16 02:26:33

Below is generated by plot.py at 2018-02-16 04:35:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 111.131 ms

Loss rate: 0.00%

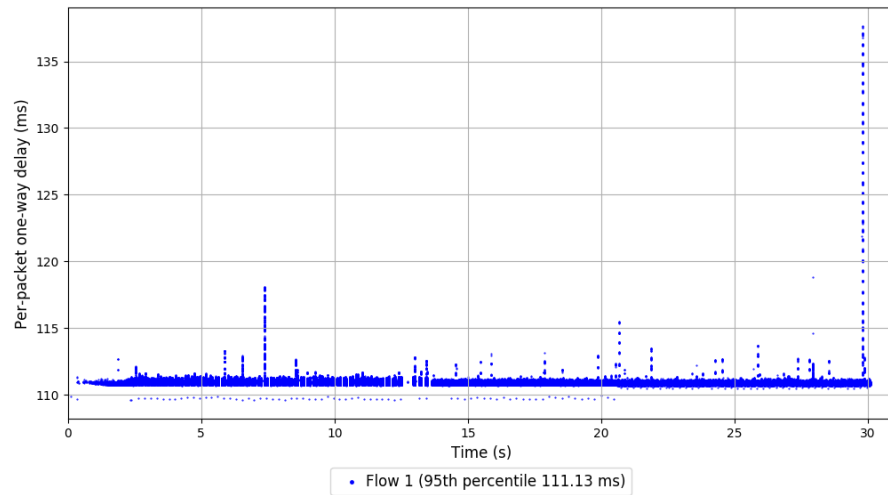
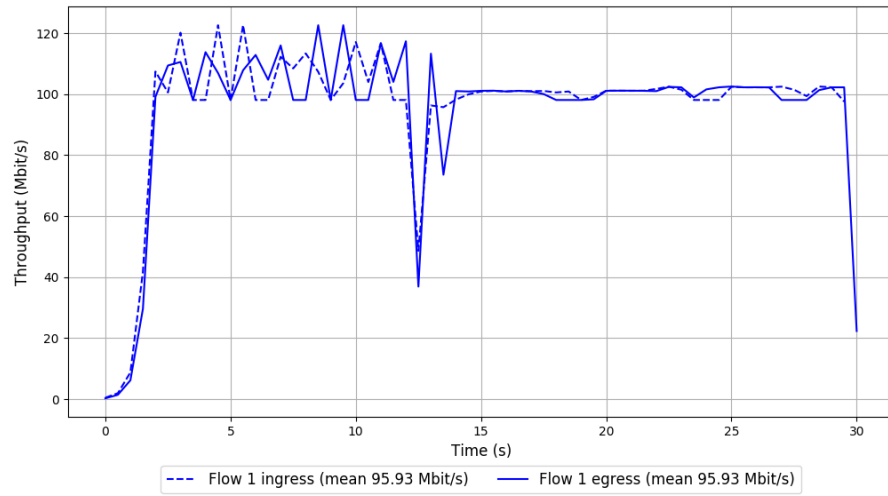
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 111.131 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-16 02:41:47

End at: 2018-02-16 02:42:17

Below is generated by plot.py at 2018-02-16 04:35:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 110.978 ms

Loss rate: 0.00%

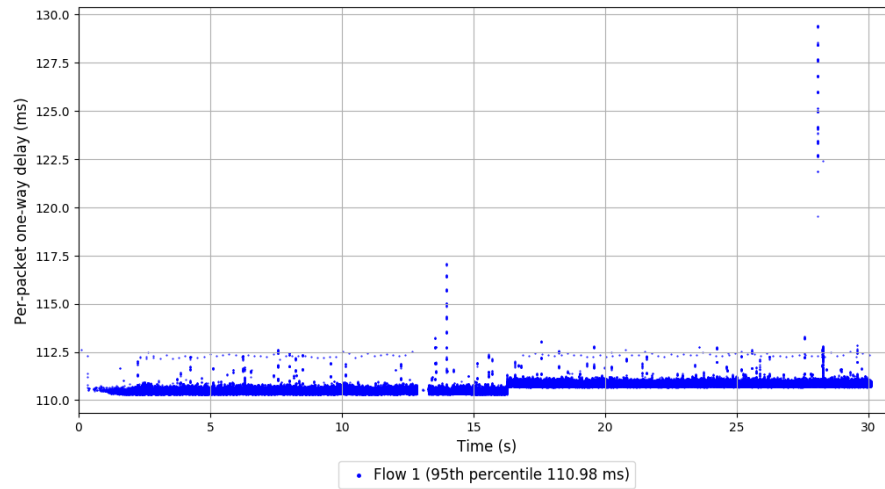
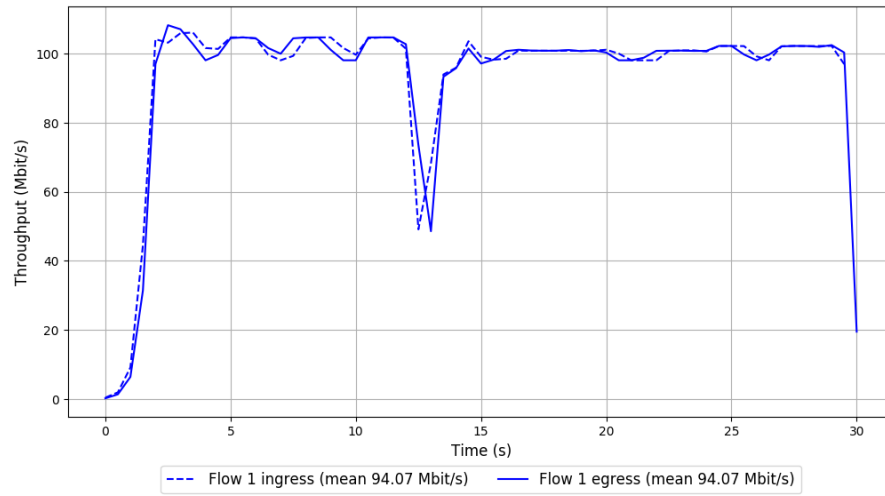
-- Flow 1:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 110.978 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-16 02:57:32

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

Below is generated by plot.py at 2018-02-16 04:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.74 Mbit/s

95th percentile per-packet one-way delay: 111.668 ms

Loss rate: 0.00%

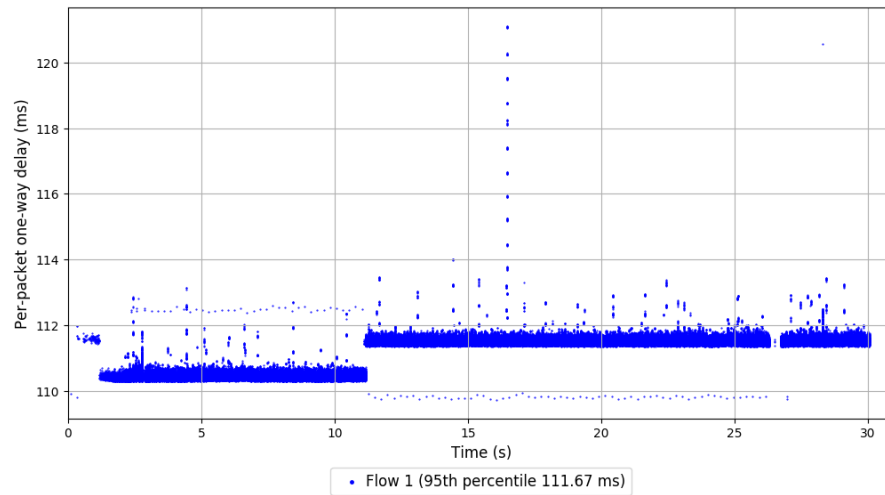
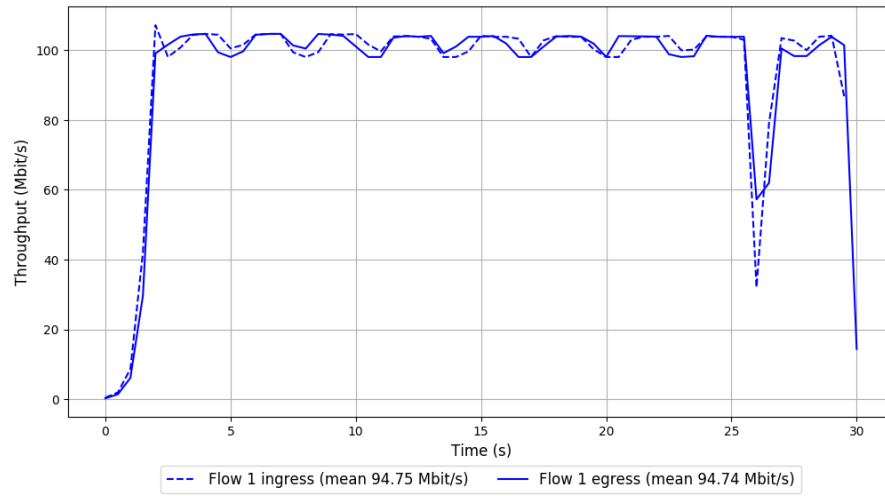
-- Flow 1:

Average throughput: 94.74 Mbit/s

95th percentile per-packet one-way delay: 111.668 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-16 03:13:11

End at: 2018-02-16 03:13:41

Below is generated by plot.py at 2018-02-16 04:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 112.695 ms

Loss rate: 0.00%

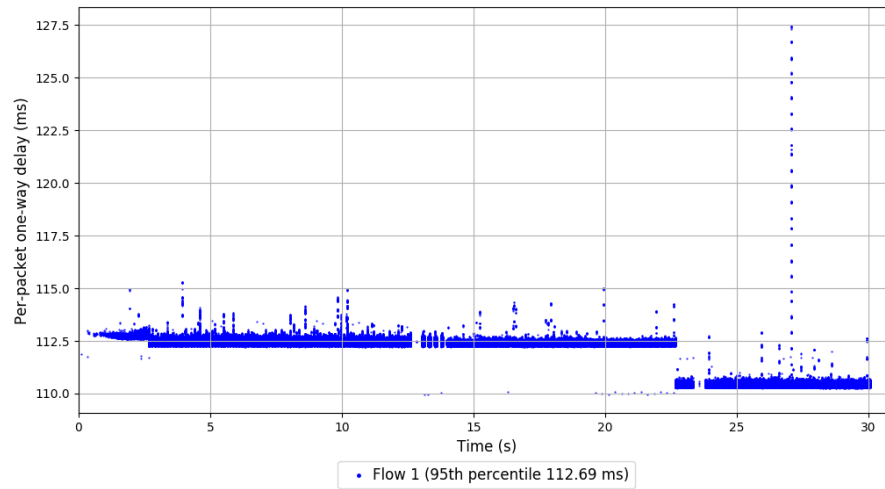
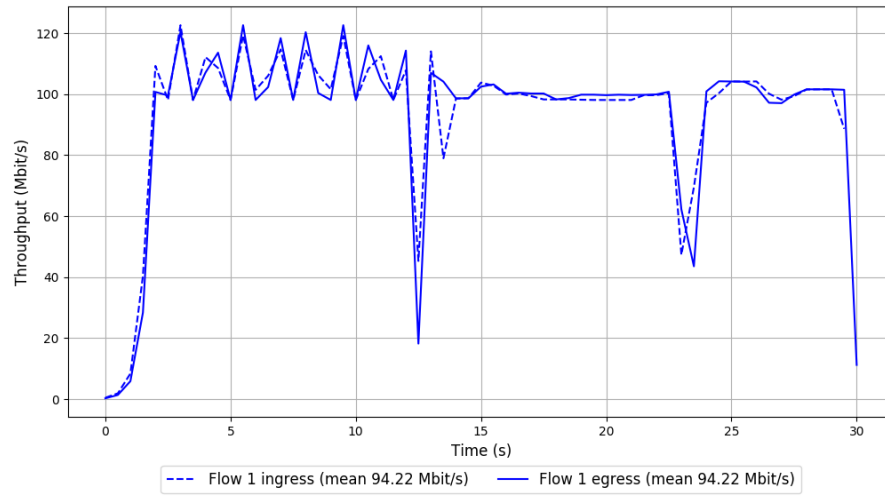
-- Flow 1:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 112.695 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 00:52:18

End at: 2018-02-16 00:52:48

Below is generated by plot.py at 2018-02-16 04:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.16 Mbit/s

95th percentile per-packet one-way delay: 120.075 ms

Loss rate: 0.00%

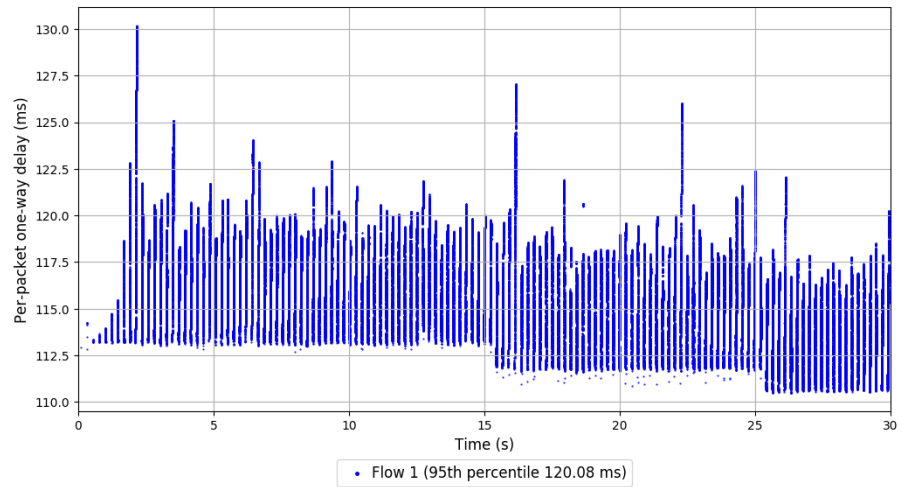
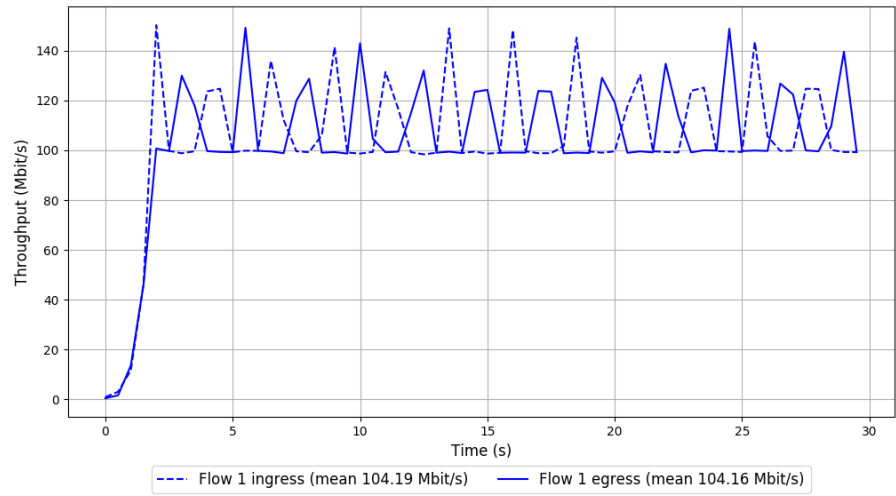
-- Flow 1:

Average throughput: 104.16 Mbit/s

95th percentile per-packet one-way delay: 120.075 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

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

End at: 2018-02-16 01:08:19

Below is generated by plot.py at 2018-02-16 04:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.72 Mbit/s

95th percentile per-packet one-way delay: 120.760 ms

Loss rate: 0.00%

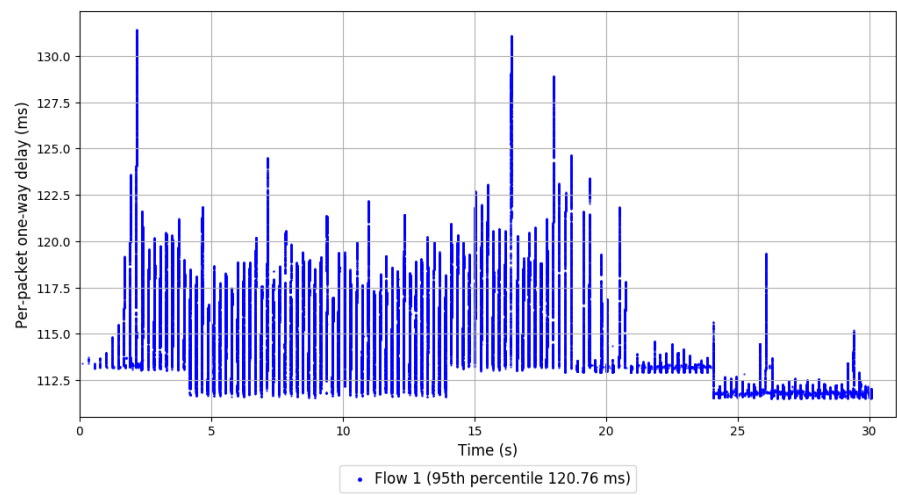
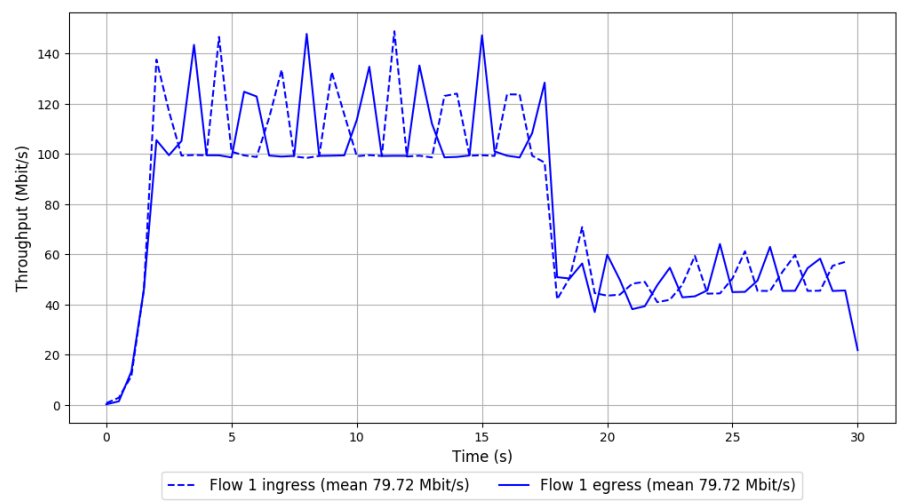
-- Flow 1:

Average throughput: 79.72 Mbit/s

95th percentile per-packet one-way delay: 120.760 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 01:23:10

End at: 2018-02-16 01:23:40

Below is generated by plot.py at 2018-02-16 04:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.48 Mbit/s

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

Loss rate: 0.00%

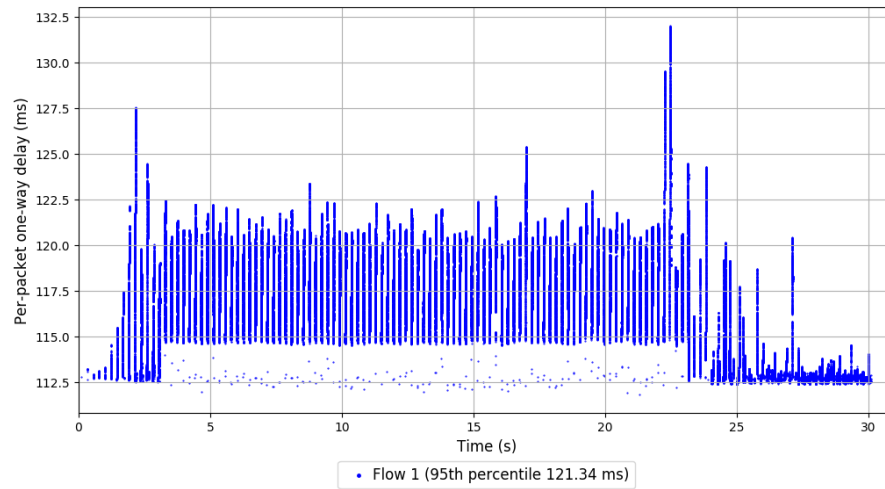
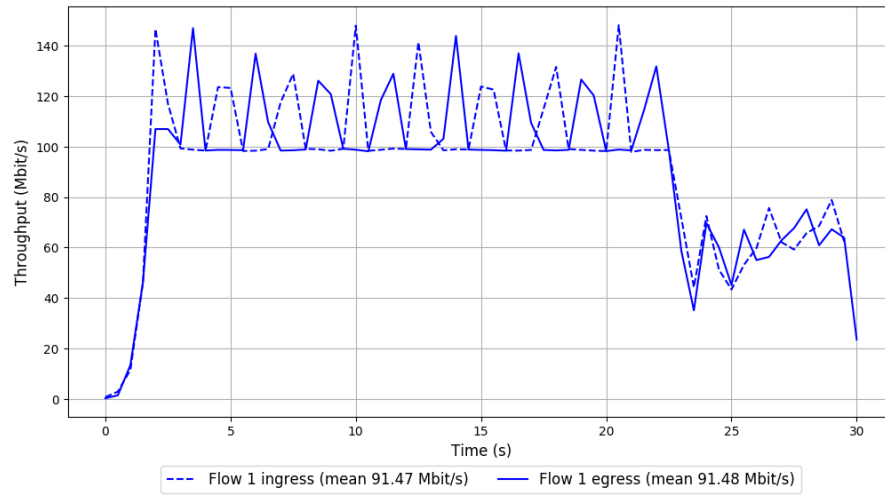
-- Flow 1:

Average throughput: 91.48 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 01:38:31

End at: 2018-02-16 01:39:01

Below is generated by plot.py at 2018-02-16 04:36:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.80 Mbit/s

95th percentile per-packet one-way delay: 118.370 ms

Loss rate: 0.00%

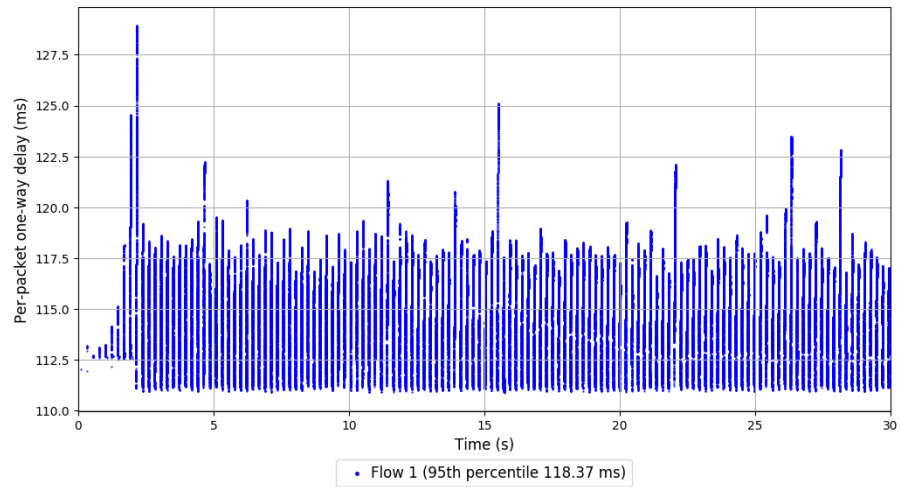
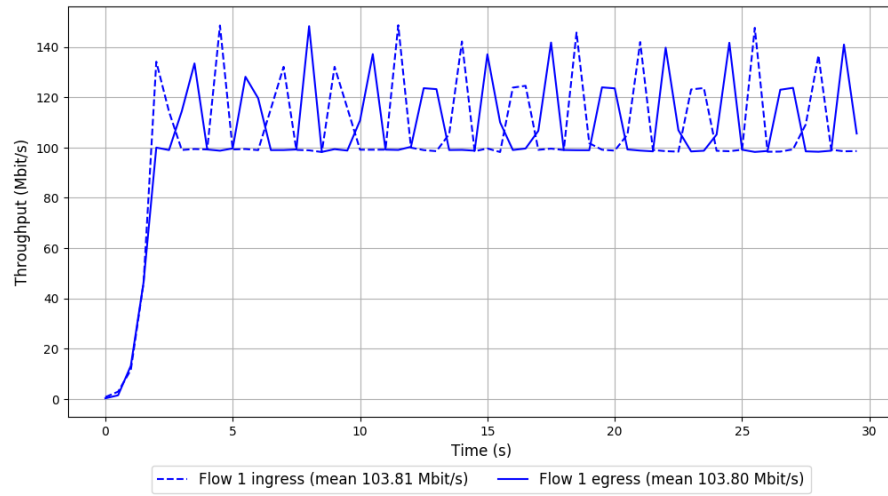
-- Flow 1:

Average throughput: 103.80 Mbit/s

95th percentile per-packet one-way delay: 118.370 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 01:54:17

End at: 2018-02-16 01:54:47

Below is generated by plot.py at 2018-02-16 04:36:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.84 Mbit/s

95th percentile per-packet one-way delay: 118.152 ms

Loss rate: 0.00%

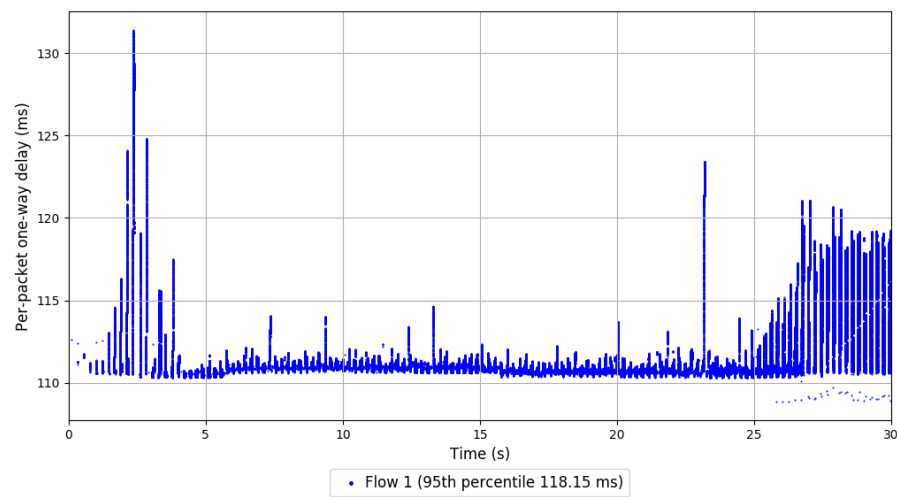
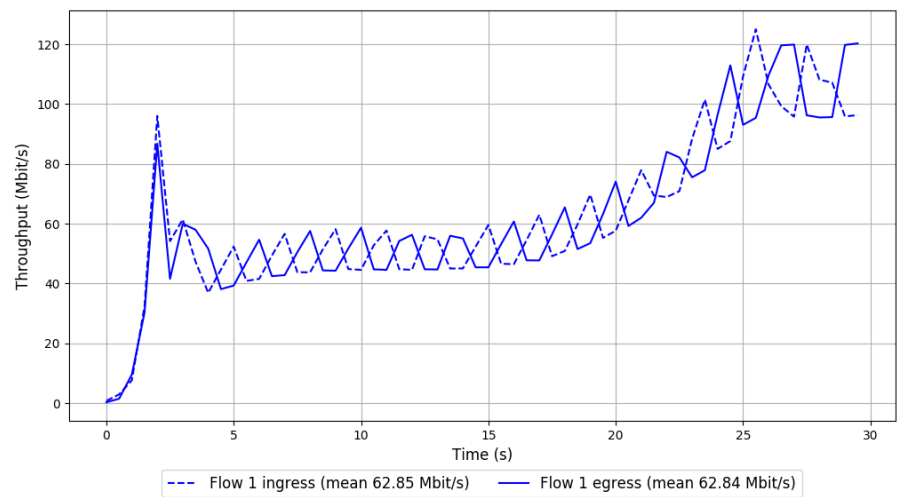
-- Flow 1:

Average throughput: 62.84 Mbit/s

95th percentile per-packet one-way delay: 118.152 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 02:09:54

End at: 2018-02-16 02:10:24

Below is generated by plot.py at 2018-02-16 04:36:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.38 Mbit/s

95th percentile per-packet one-way delay: 119.506 ms

Loss rate: 0.06%

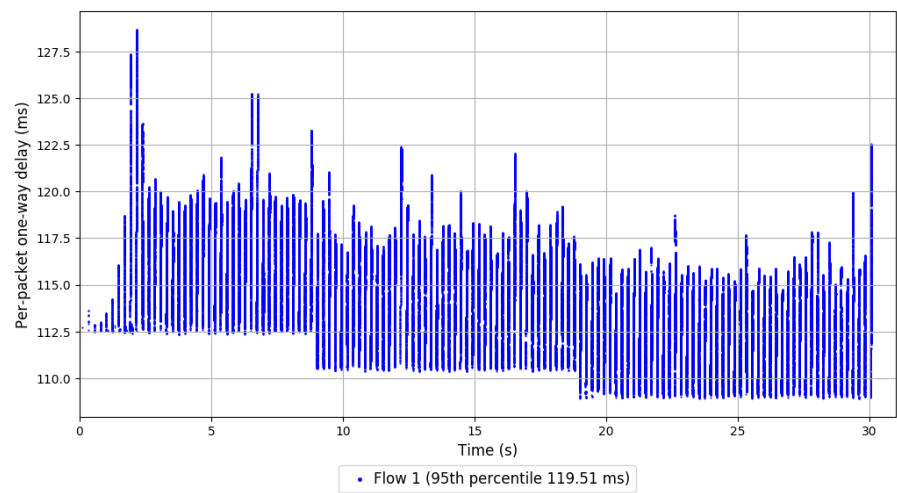
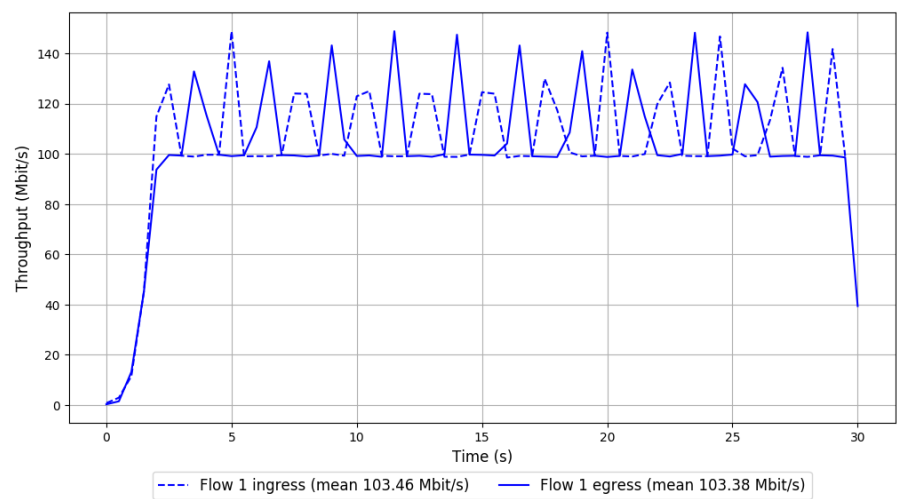
-- Flow 1:

Average throughput: 103.38 Mbit/s

95th percentile per-packet one-way delay: 119.506 ms

Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 02:25:15

End at: 2018-02-16 02:25:45

Below is generated by plot.py at 2018-02-16 04:37:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.99 Mbit/s

95th percentile per-packet one-way delay: 116.964 ms

Loss rate: 0.00%

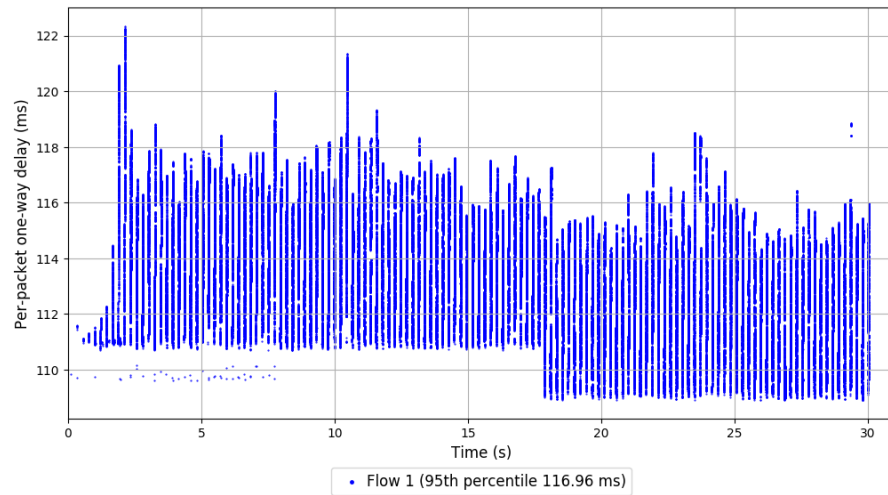
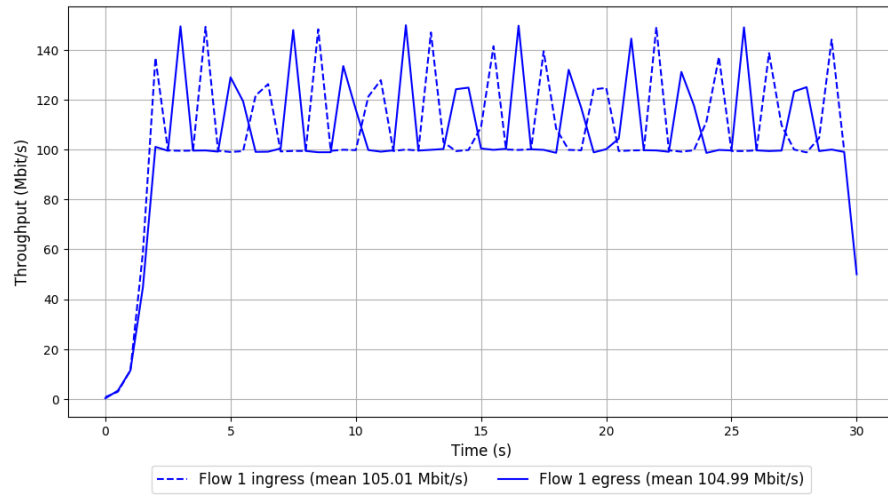
-- Flow 1:

Average throughput: 104.99 Mbit/s

95th percentile per-packet one-way delay: 116.964 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 02:41:02

End at: 2018-02-16 02:41:32

Below is generated by plot.py at 2018-02-16 04:37:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.47 Mbit/s

95th percentile per-packet one-way delay: 117.449 ms

Loss rate: 0.08%

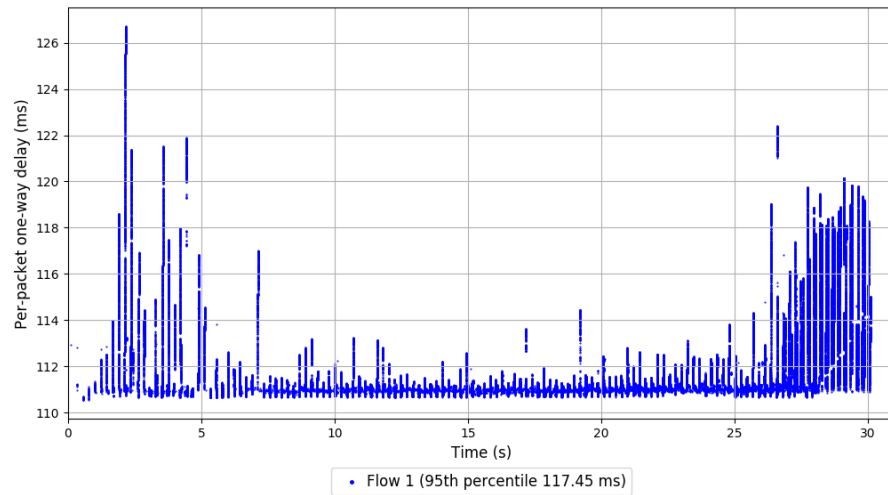
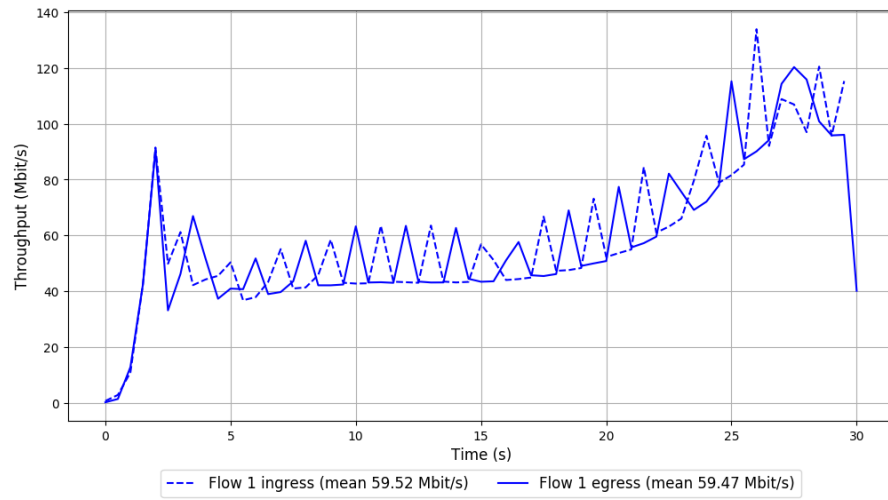
-- Flow 1:

Average throughput: 59.47 Mbit/s

95th percentile per-packet one-way delay: 117.449 ms

Loss rate: 0.08%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 02:56:45

End at: 2018-02-16 02:57:15

Below is generated by plot.py at 2018-02-16 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.40 Mbit/s

95th percentile per-packet one-way delay: 120.266 ms

Loss rate: 0.00%

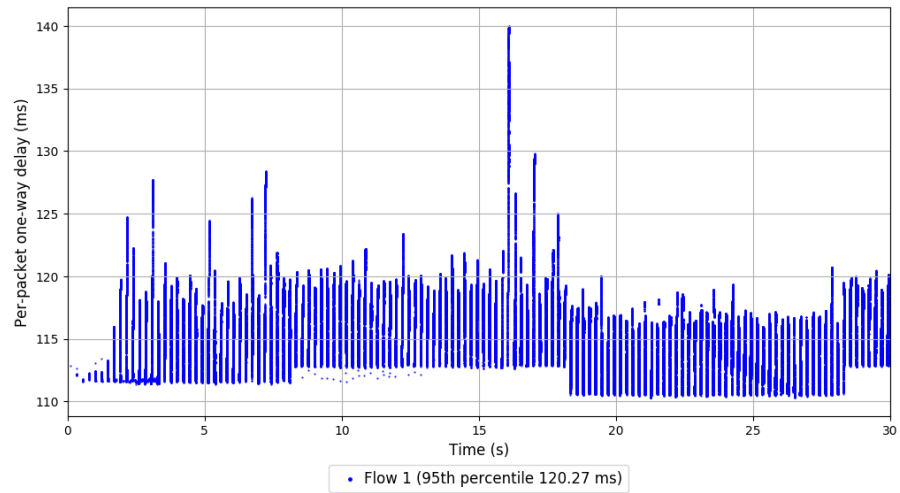
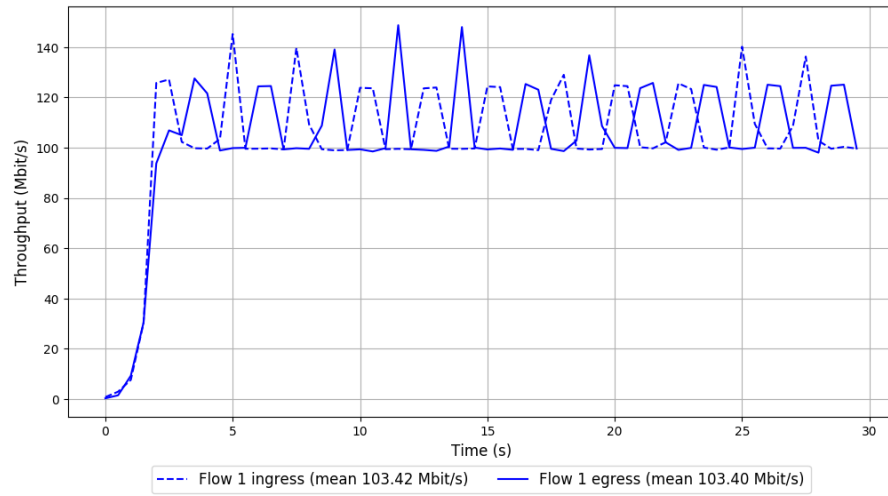
-- Flow 1:

Average throughput: 103.40 Mbit/s

95th percentile per-packet one-way delay: 120.266 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 03:12:24

End at: 2018-02-16 03:12:54

Below is generated by plot.py at 2018-02-16 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.12 Mbit/s

95th percentile per-packet one-way delay: 117.608 ms

Loss rate: 0.00%

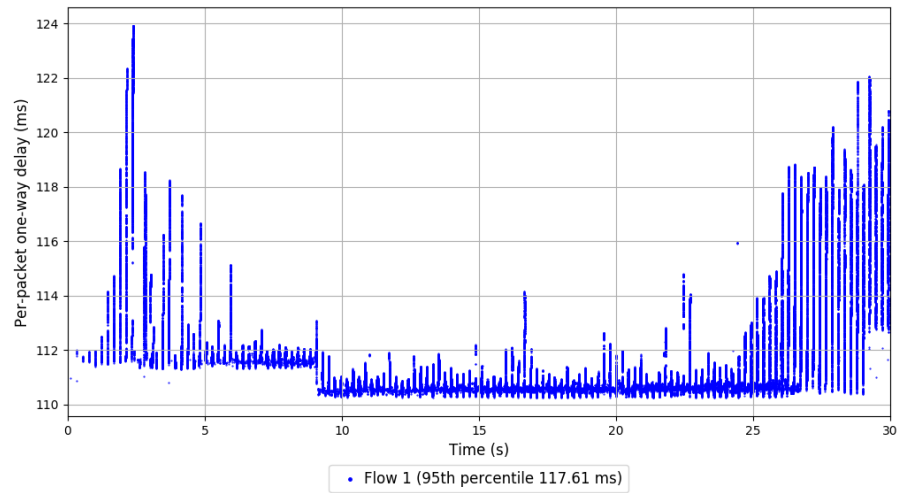
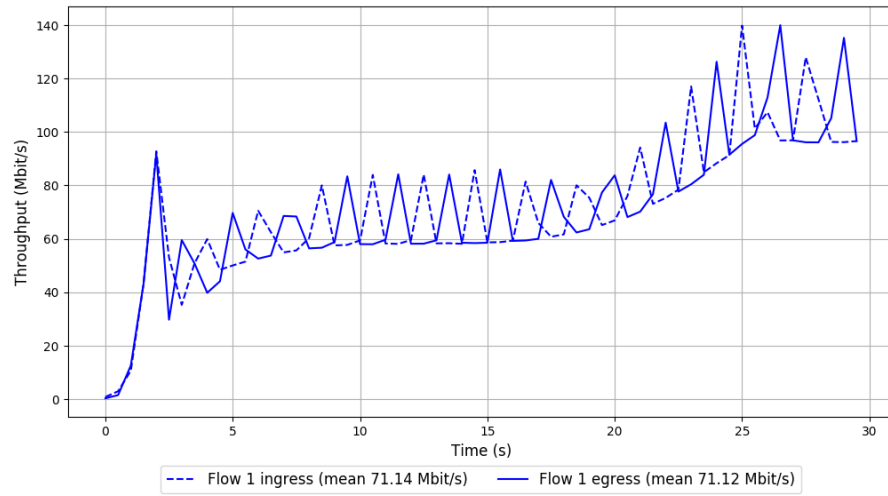
-- Flow 1:

Average throughput: 71.12 Mbit/s

95th percentile per-packet one-way delay: 117.608 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

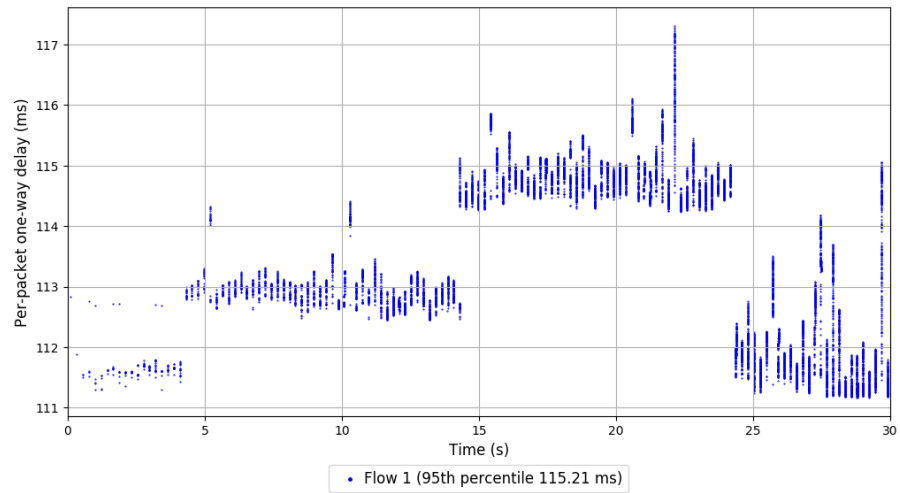
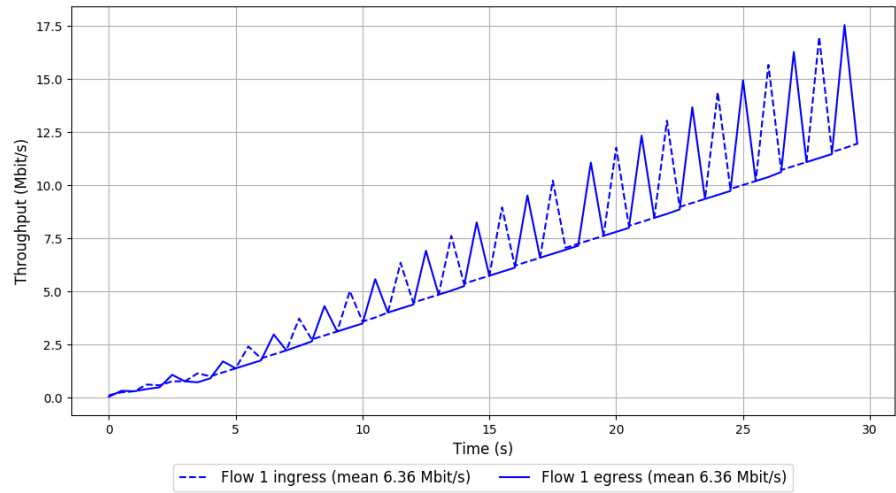


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 00:39:39
End at: 2018-02-16 00:40:09

# Below is generated by plot.py at 2018-02-16 04:38:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 115.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 115.207 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

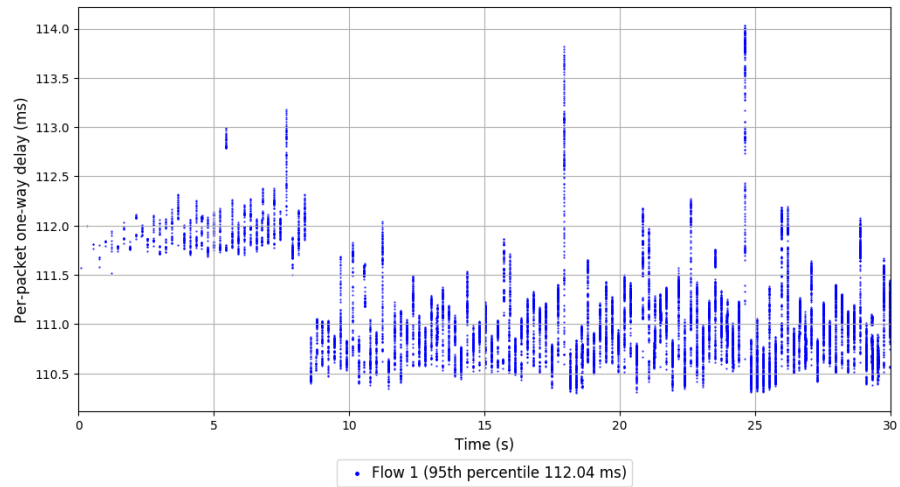
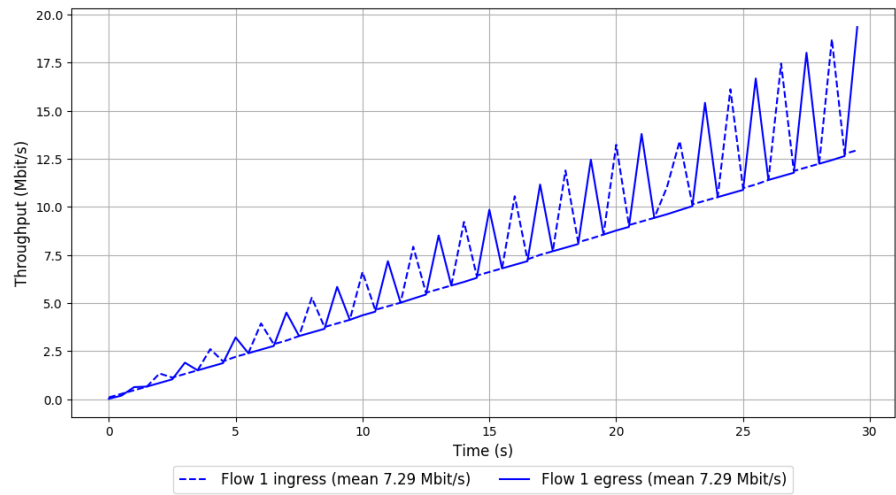


```
Run 2: Statistics of LEDBAT

Start at: 2018-02-16 00:55:25
End at: 2018-02-16 00:55:55

# Below is generated by plot.py at 2018-02-16 04:38:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 112.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 112.037 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-16 01:10:53

End at: 2018-02-16 01:11:23

Below is generated by plot.py at 2018-02-16 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 116.293 ms

Loss rate: 0.00%

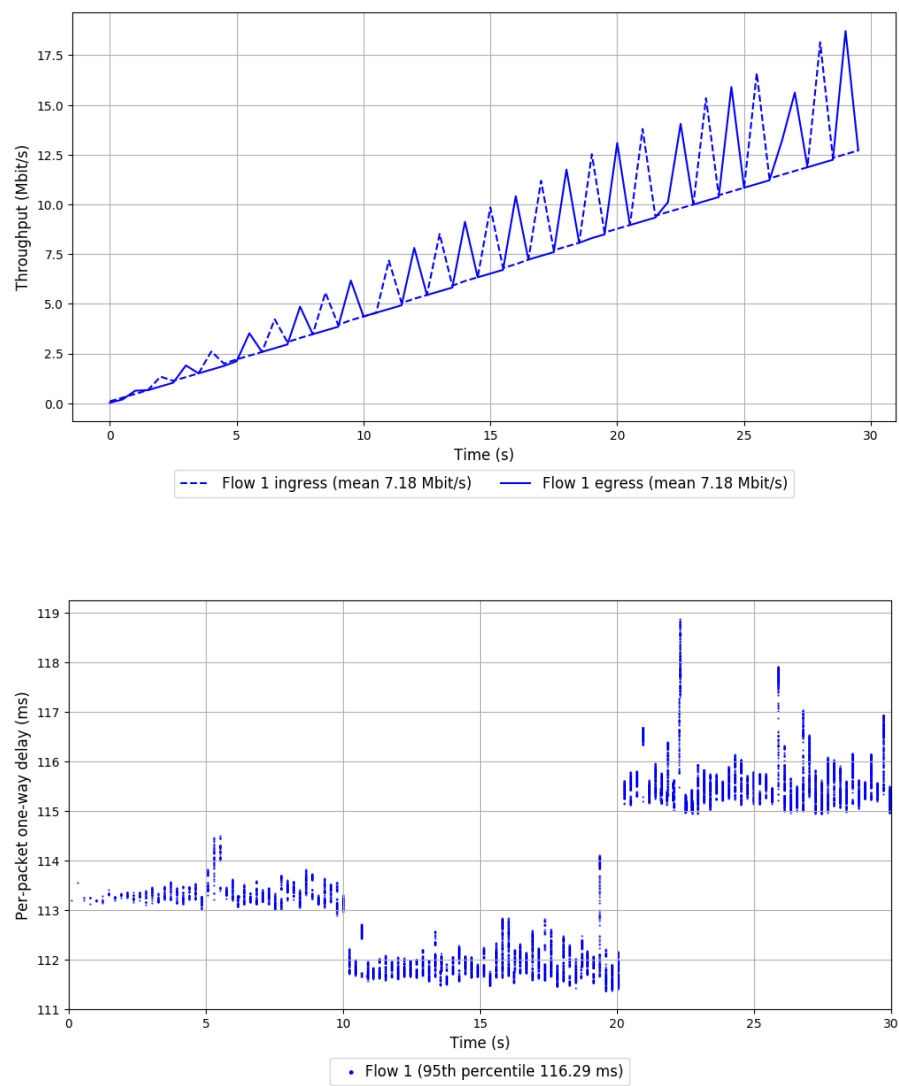
-- Flow 1:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 116.293 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-16 01:26:15

End at: 2018-02-16 01:26:45

Below is generated by plot.py at 2018-02-16 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.80 Mbit/s

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

Loss rate: 0.00%

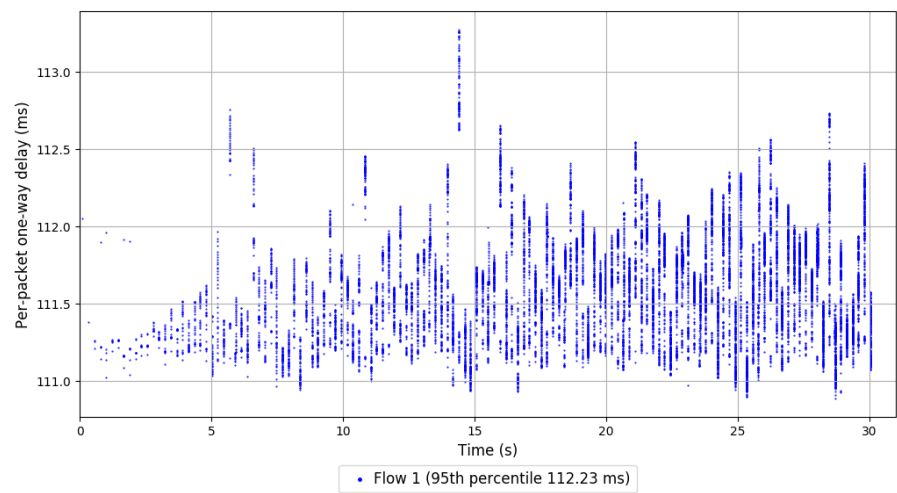
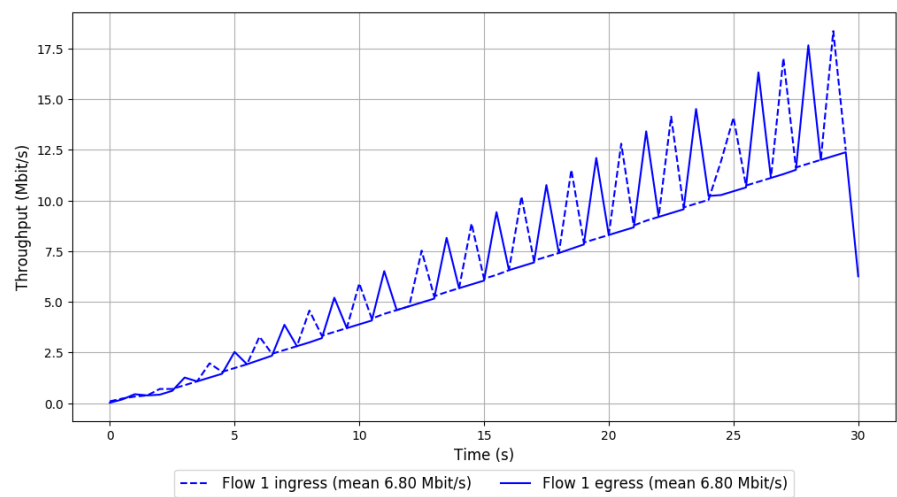
-- Flow 1:

Average throughput: 6.80 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-16 01:41:40

End at: 2018-02-16 01:42:10

Below is generated by plot.py at 2018-02-16 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 113.552 ms

Loss rate: 0.00%

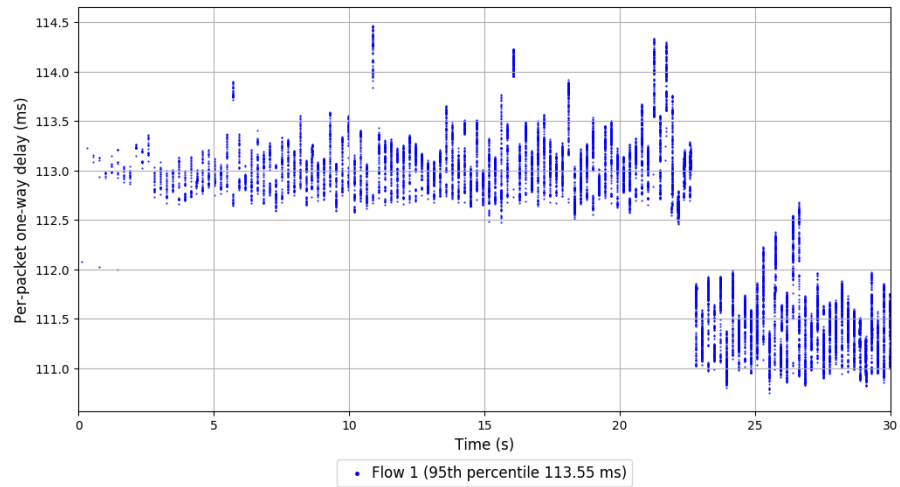
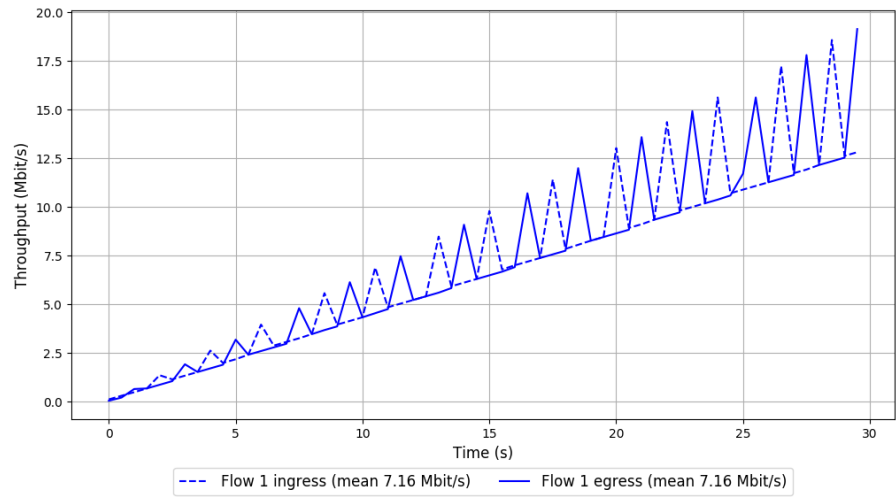
-- Flow 1:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 113.552 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-16 01:57:21

End at: 2018-02-16 01:57:51

Below is generated by plot.py at 2018-02-16 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 111.628 ms

Loss rate: 0.00%

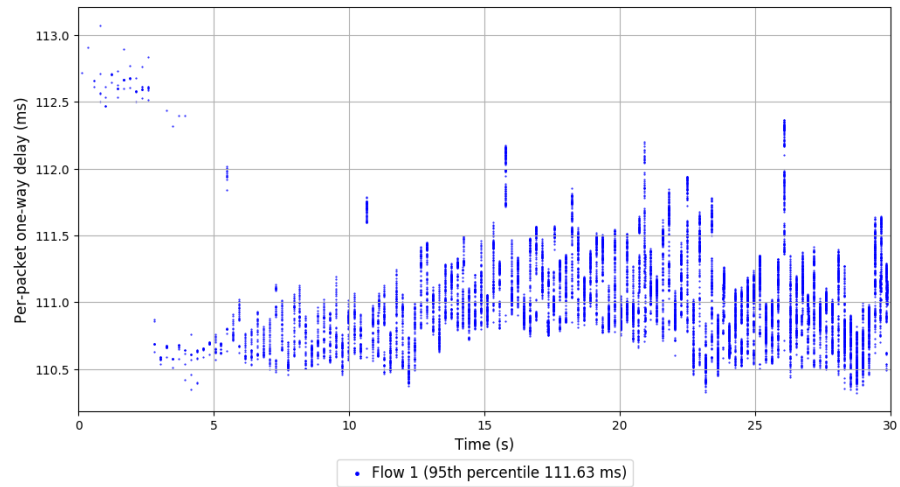
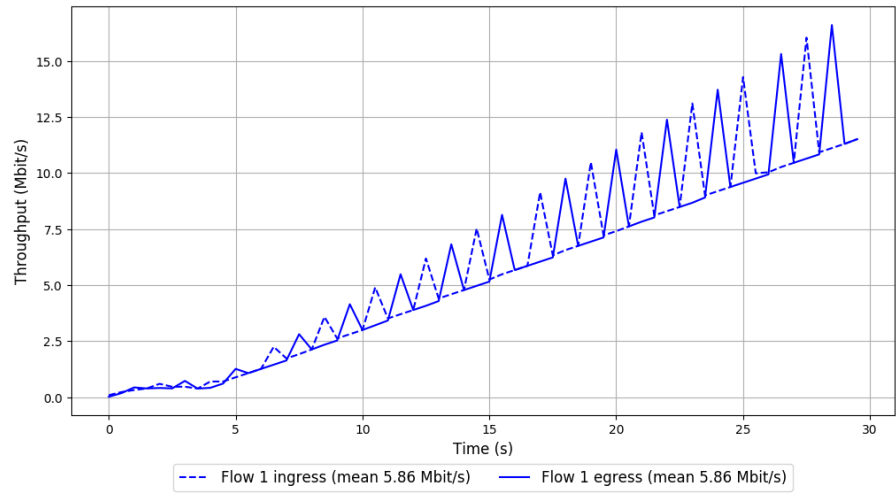
-- Flow 1:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 111.628 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-16 02:13:00

End at: 2018-02-16 02:13:30

Below is generated by plot.py at 2018-02-16 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.16 Mbit/s

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

Loss rate: 0.00%

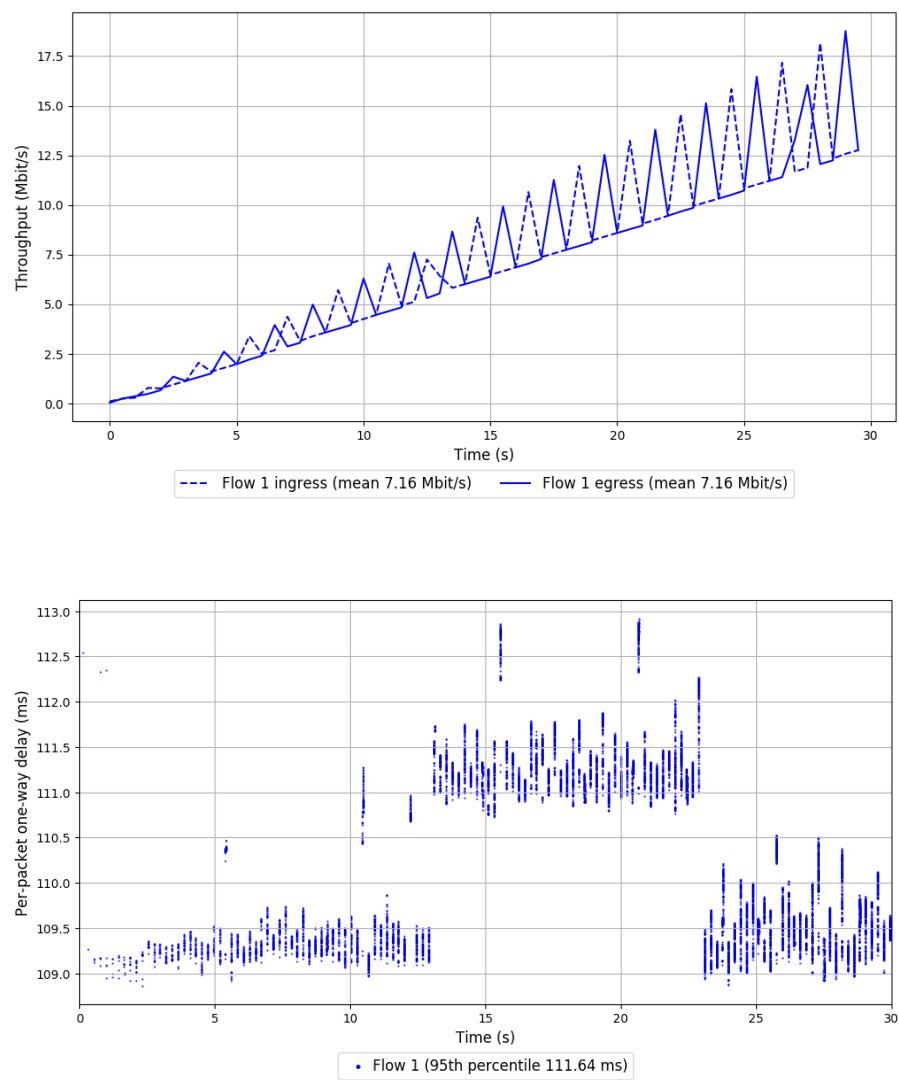
-- Flow 1:

Average throughput: 7.16 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-16 02:28:22

End at: 2018-02-16 02:28:52

Below is generated by plot.py at 2018-02-16 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 111.494 ms

Loss rate: 0.00%

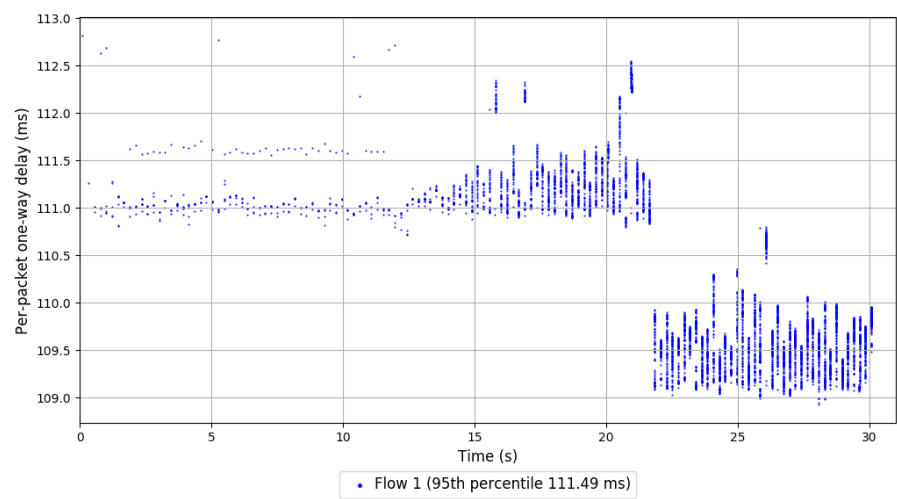
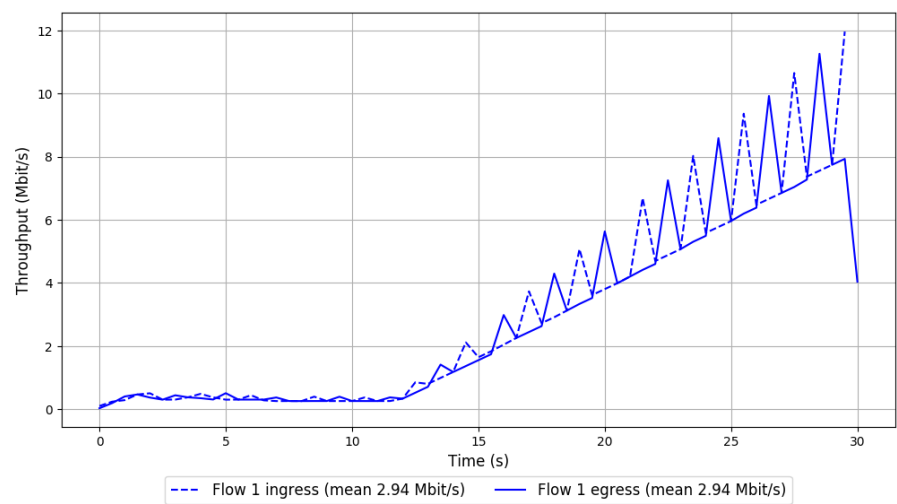
-- Flow 1:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 111.494 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

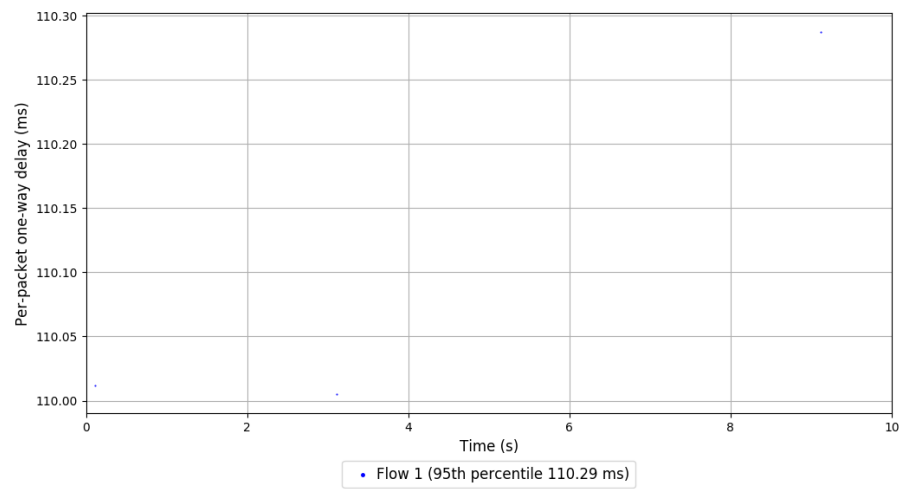
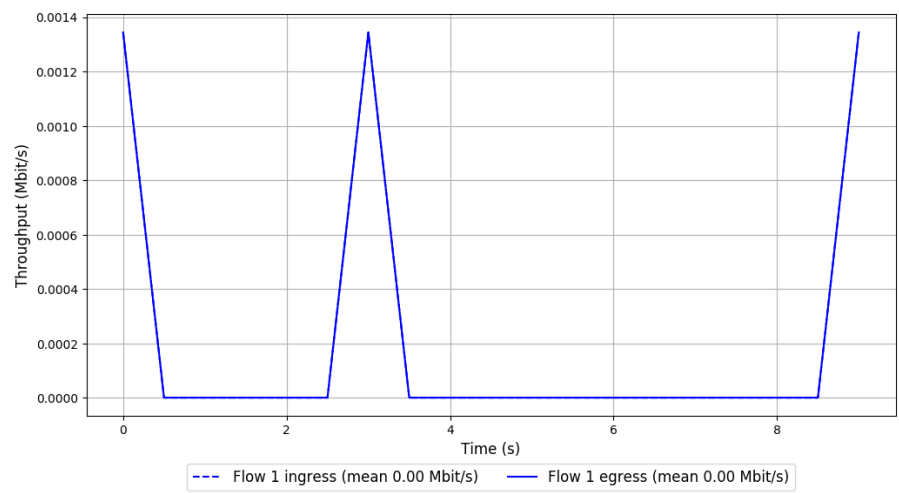


Run 9: Statistics of LEDBAT

Start at: 2018-02-16 02:44:07

End at: 2018-02-16 02:44:37

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-16 02:59:51

End at: 2018-02-16 03:00:21

Below is generated by plot.py at 2018-02-16 04:38:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 112.682 ms

Loss rate: 0.00%

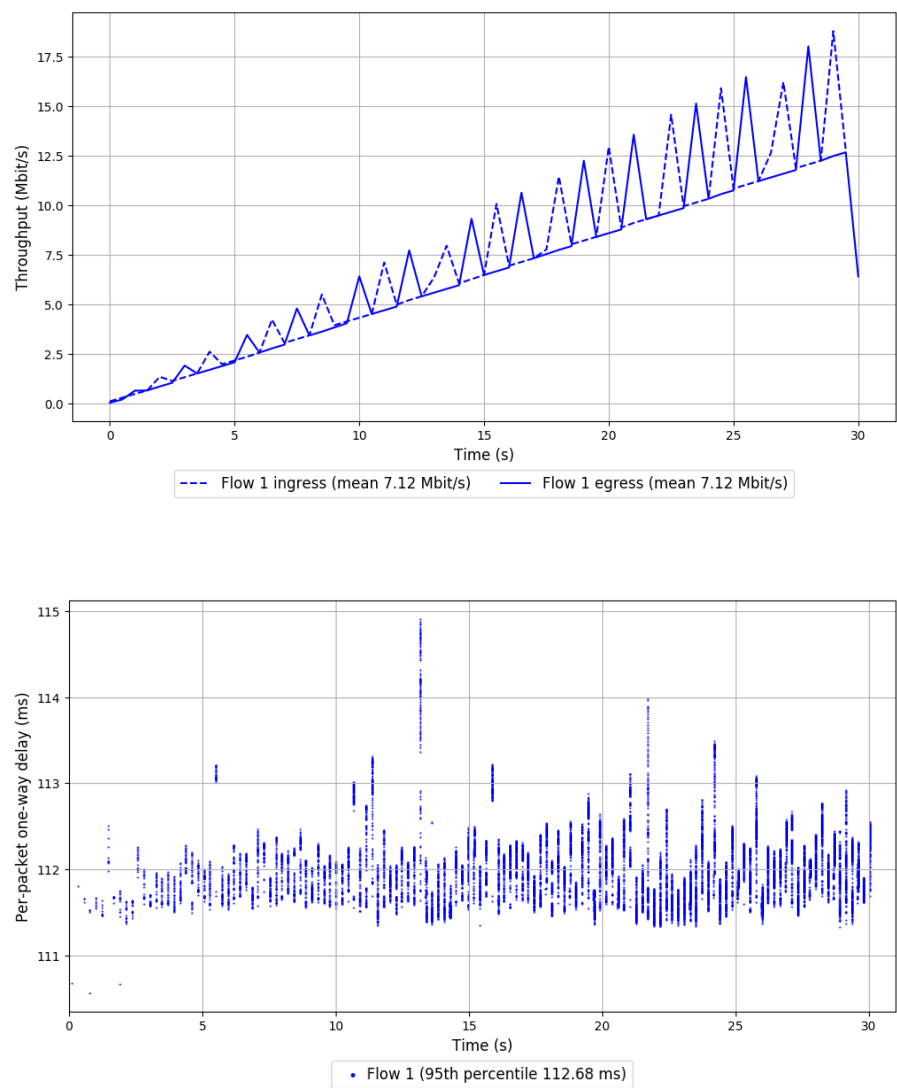
-- Flow 1:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 112.682 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

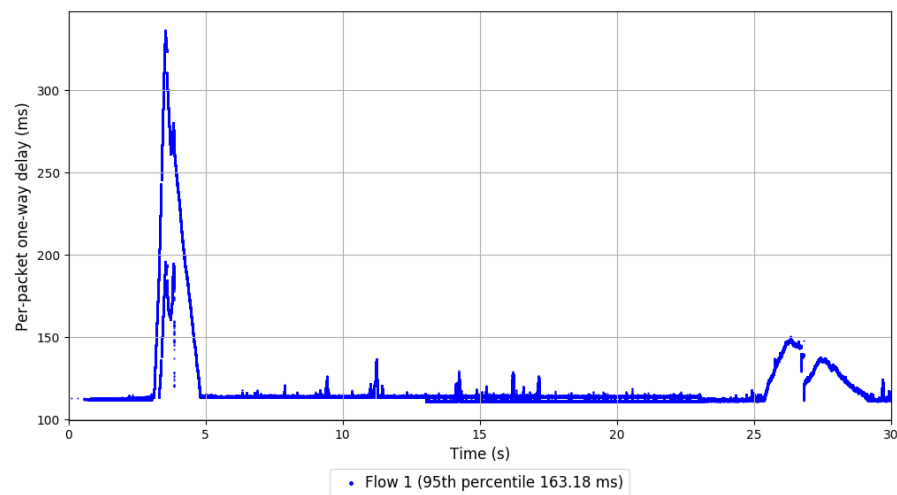
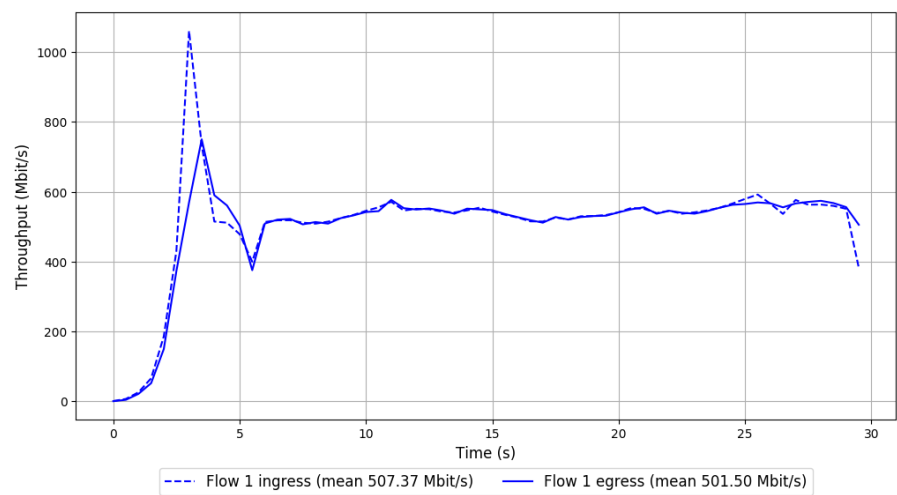


```
Run 1: Statistics of PCC

Start at: 2018-02-16 00:43:30
End at: 2018-02-16 00:44:00

# Below is generated by plot.py at 2018-02-16 04:45:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 501.50 Mbit/s
95th percentile per-packet one-way delay: 163.175 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 501.50 Mbit/s
95th percentile per-packet one-way delay: 163.175 ms
Loss rate: 1.16%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-16 00:59:13

End at: 2018-02-16 00:59:43

Below is generated by plot.py at 2018-02-16 04:45:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.15 Mbit/s

95th percentile per-packet one-way delay: 238.771 ms

Loss rate: 2.46%

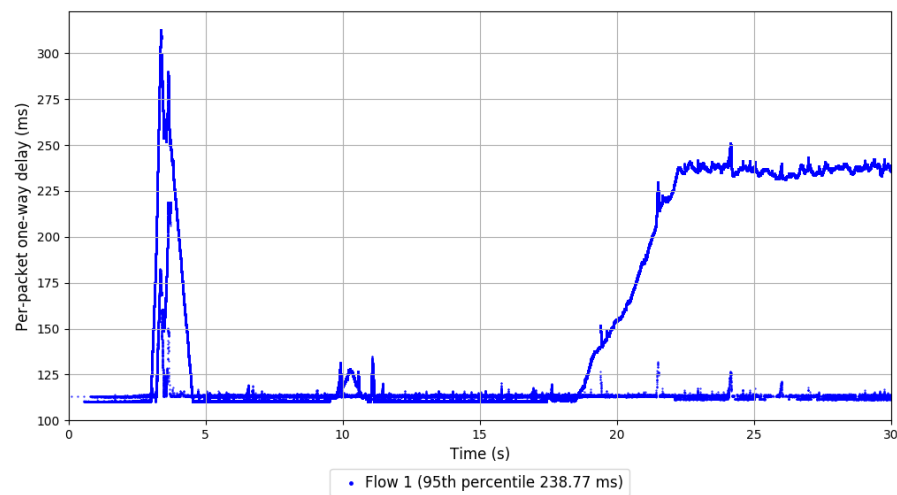
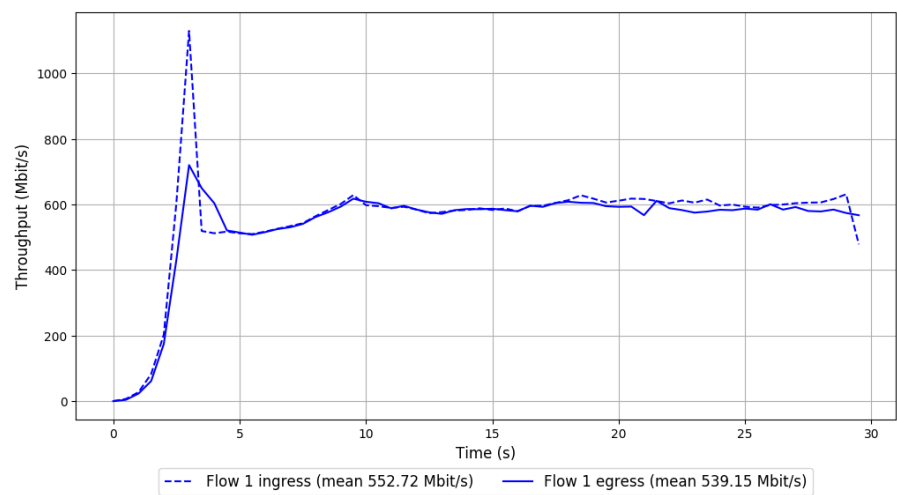
-- Flow 1:

Average throughput: 539.15 Mbit/s

95th percentile per-packet one-way delay: 238.771 ms

Loss rate: 2.46%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-16 01:14:45

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

Below is generated by plot.py at 2018-02-16 04:45:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 510.94 Mbit/s

95th percentile per-packet one-way delay: 163.061 ms

Loss rate: 1.00%

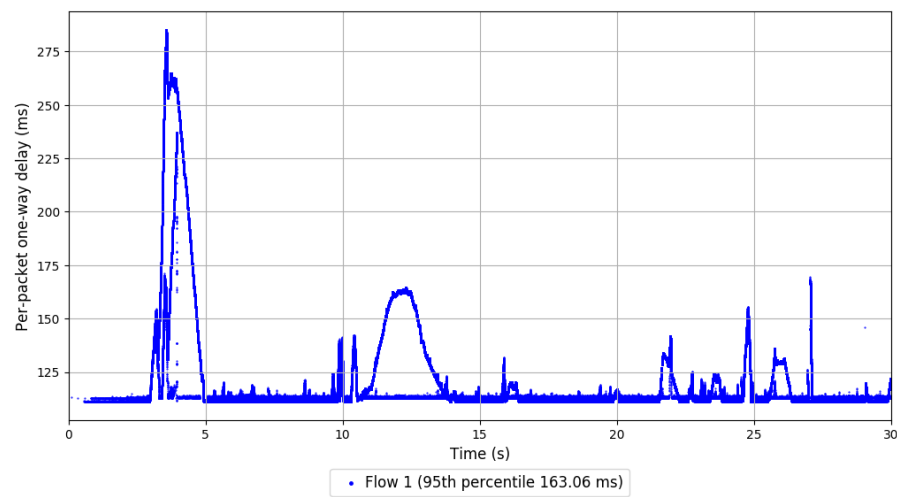
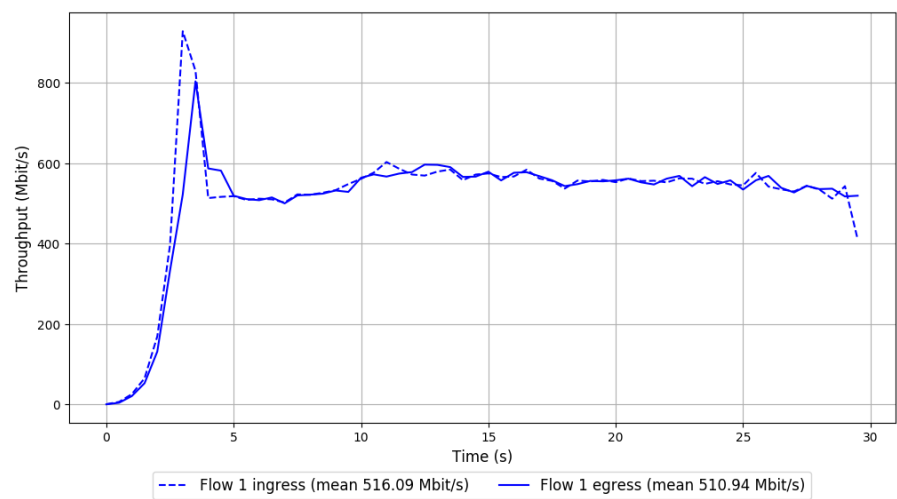
-- Flow 1:

Average throughput: 510.94 Mbit/s

95th percentile per-packet one-way delay: 163.061 ms

Loss rate: 1.00%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-16 01:29:58

End at: 2018-02-16 01:30:28

Below is generated by plot.py at 2018-02-16 04:45:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 553.00 Mbit/s

95th percentile per-packet one-way delay: 186.310 ms

Loss rate: 1.03%

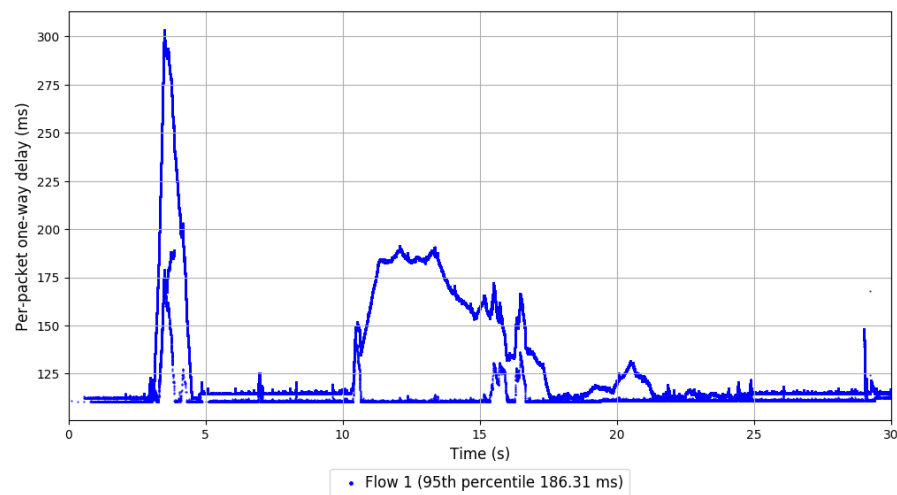
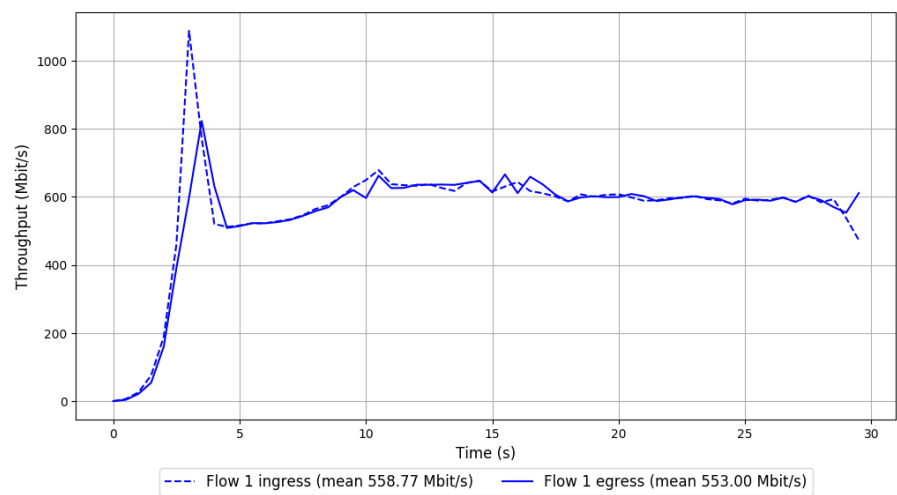
-- Flow 1:

Average throughput: 553.00 Mbit/s

95th percentile per-packet one-way delay: 186.310 ms

Loss rate: 1.03%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-16 01:45:30

End at: 2018-02-16 01:46:00

Below is generated by plot.py at 2018-02-16 04:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.44 Mbit/s

95th percentile per-packet one-way delay: 172.386 ms

Loss rate: 0.92%

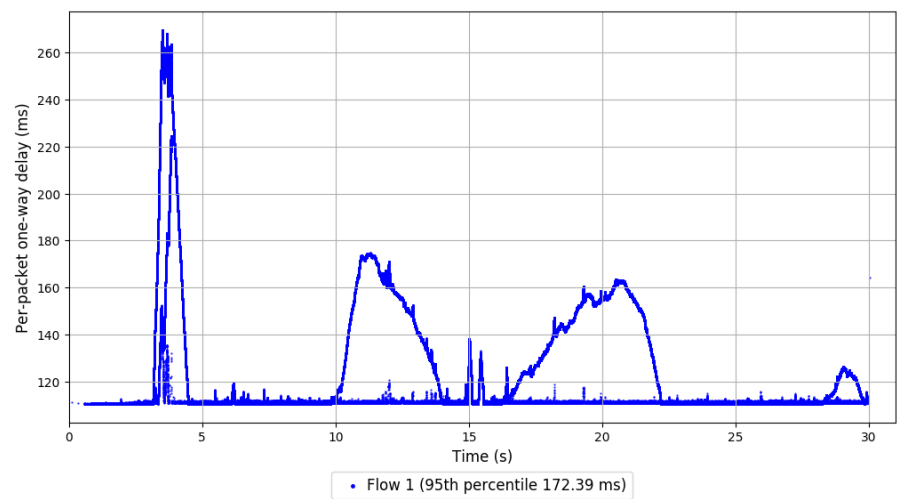
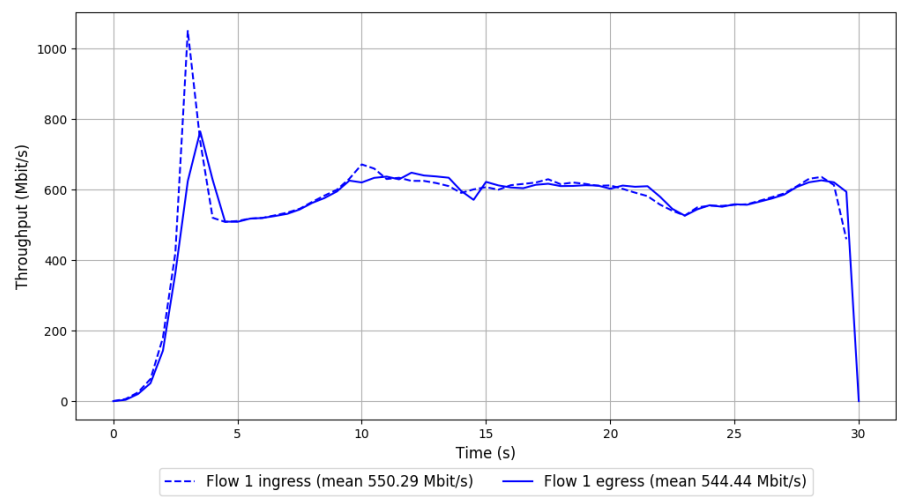
-- Flow 1:

Average throughput: 544.44 Mbit/s

95th percentile per-packet one-way delay: 172.386 ms

Loss rate: 0.92%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

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

End at: 2018-02-16 02:01:39

Below is generated by plot.py at 2018-02-16 04:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.21 Mbit/s

95th percentile per-packet one-way delay: 150.962 ms

Loss rate: 1.11%

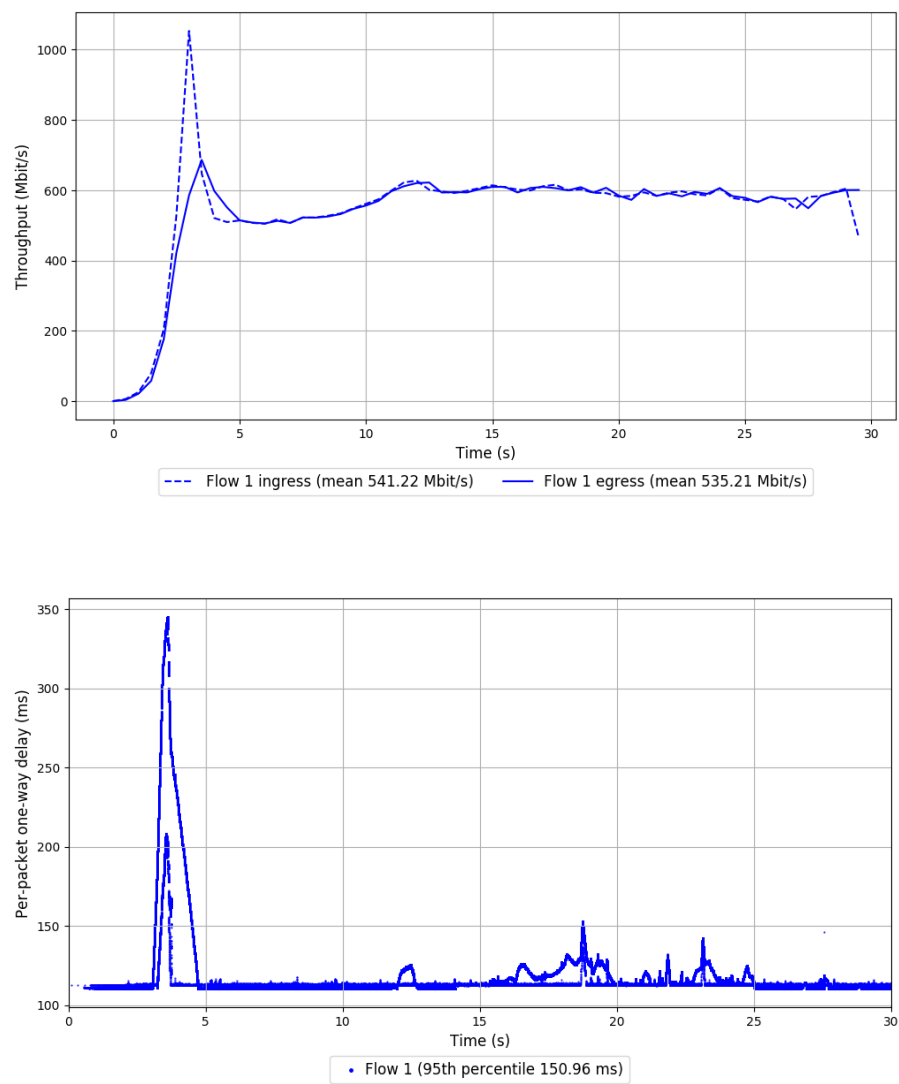
-- Flow 1:

Average throughput: 535.21 Mbit/s

95th percentile per-packet one-way delay: 150.962 ms

Loss rate: 1.11%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-16 02:16:45

End at: 2018-02-16 02:17:15

Below is generated by plot.py at 2018-02-16 04:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.70 Mbit/s

95th percentile per-packet one-way delay: 147.853 ms

Loss rate: 1.00%

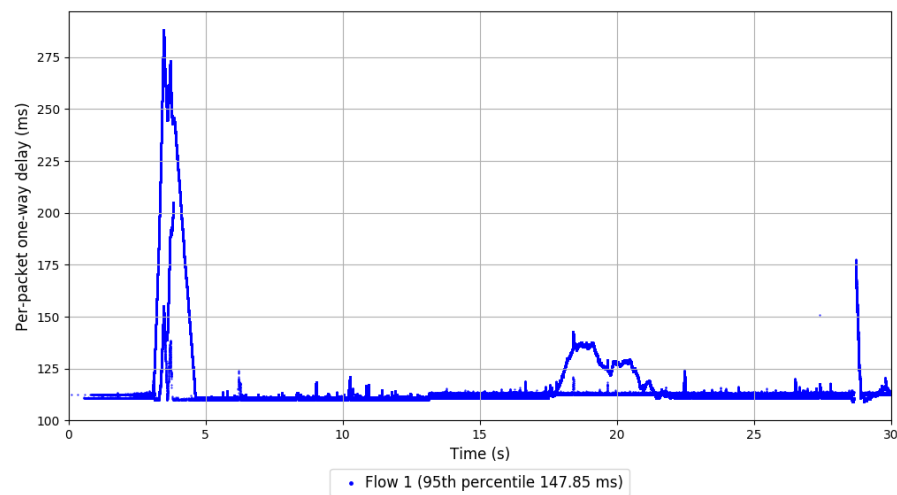
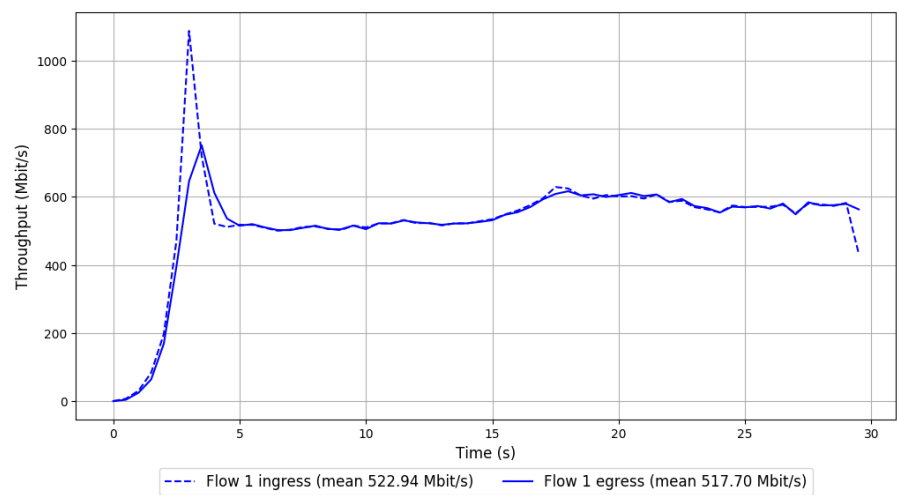
-- Flow 1:

Average throughput: 517.70 Mbit/s

95th percentile per-packet one-way delay: 147.853 ms

Loss rate: 1.00%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-16 02:32:11

End at: 2018-02-16 02:32:41

Below is generated by plot.py at 2018-02-16 04:46:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 515.75 Mbit/s

95th percentile per-packet one-way delay: 143.428 ms

Loss rate: 0.99%

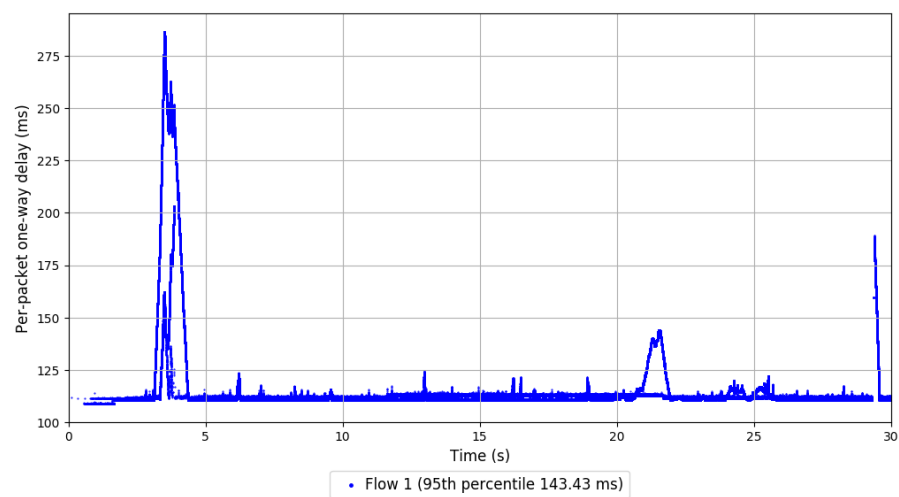
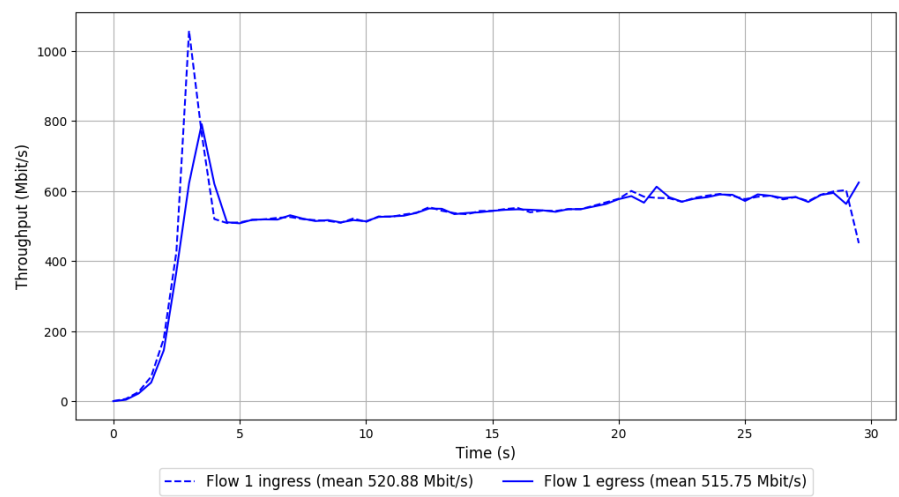
-- Flow 1:

Average throughput: 515.75 Mbit/s

95th percentile per-packet one-way delay: 143.428 ms

Loss rate: 0.99%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-16 02:47:53

End at: 2018-02-16 02:48:23

Below is generated by plot.py at 2018-02-16 04:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 538.35 Mbit/s

95th percentile per-packet one-way delay: 216.338 ms

Loss rate: 0.95%

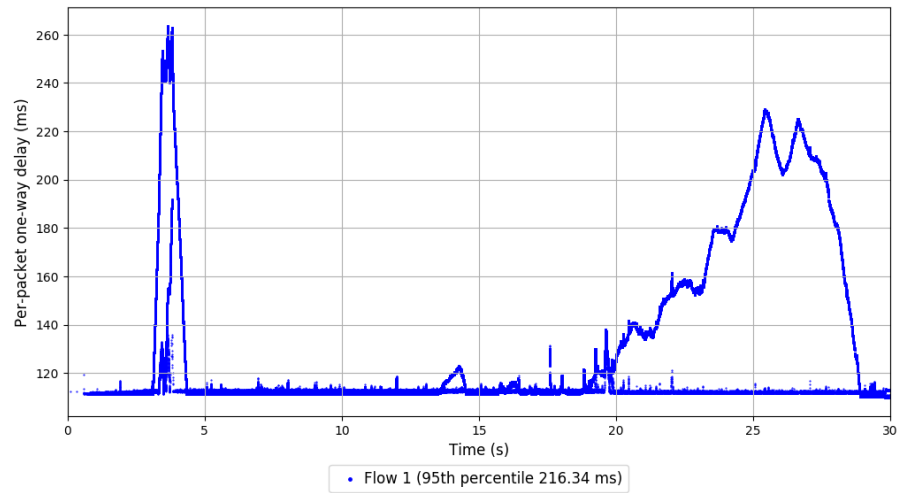
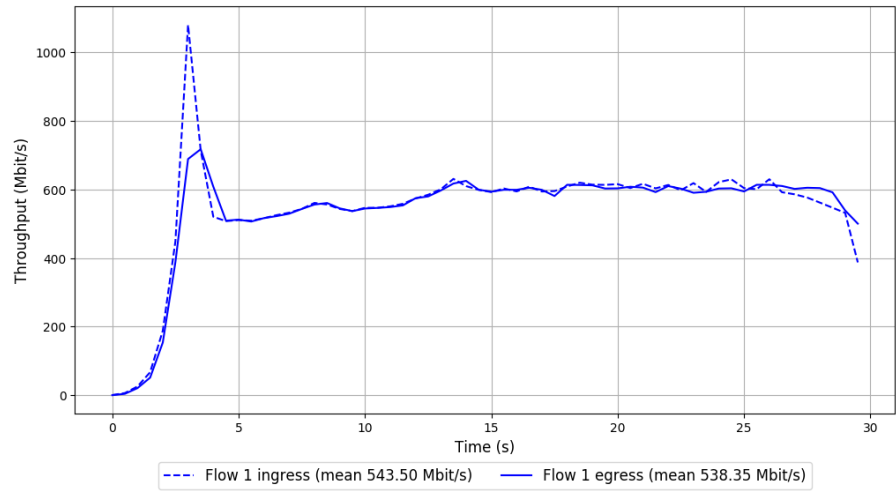
-- Flow 1:

Average throughput: 538.35 Mbit/s

95th percentile per-packet one-way delay: 216.338 ms

Loss rate: 0.95%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-16 03:03:40

End at: 2018-02-16 03:04:10

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 538.64 Mbit/s

95th percentile per-packet one-way delay: 132.809 ms

Loss rate: 0.87%

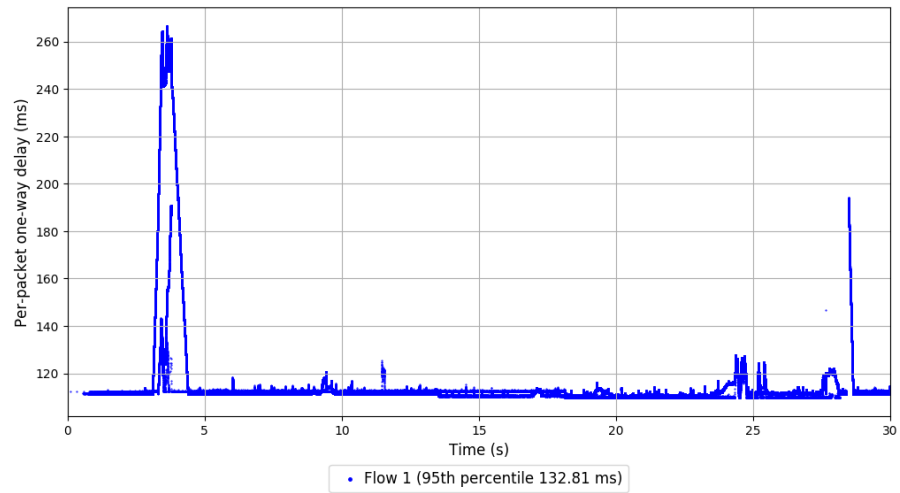
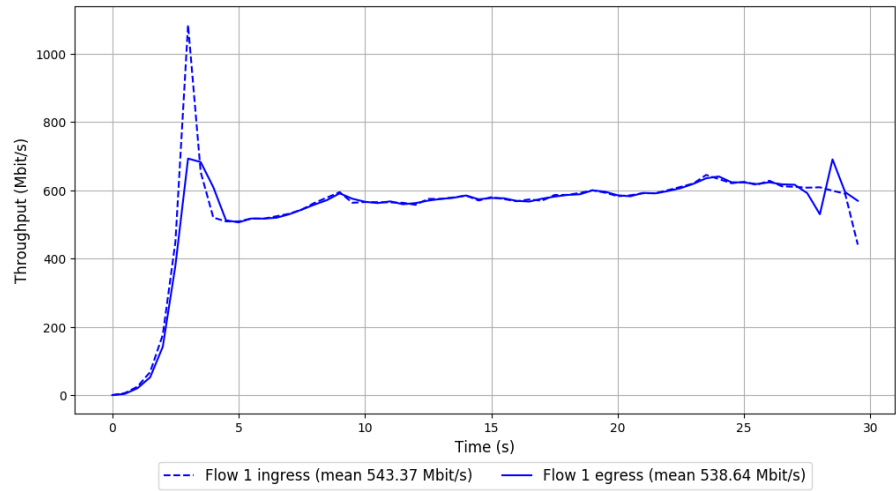
-- Flow 1:

Average throughput: 538.64 Mbit/s

95th percentile per-packet one-way delay: 132.809 ms

Loss rate: 0.87%

Run 10: Report of PCC — Data Link

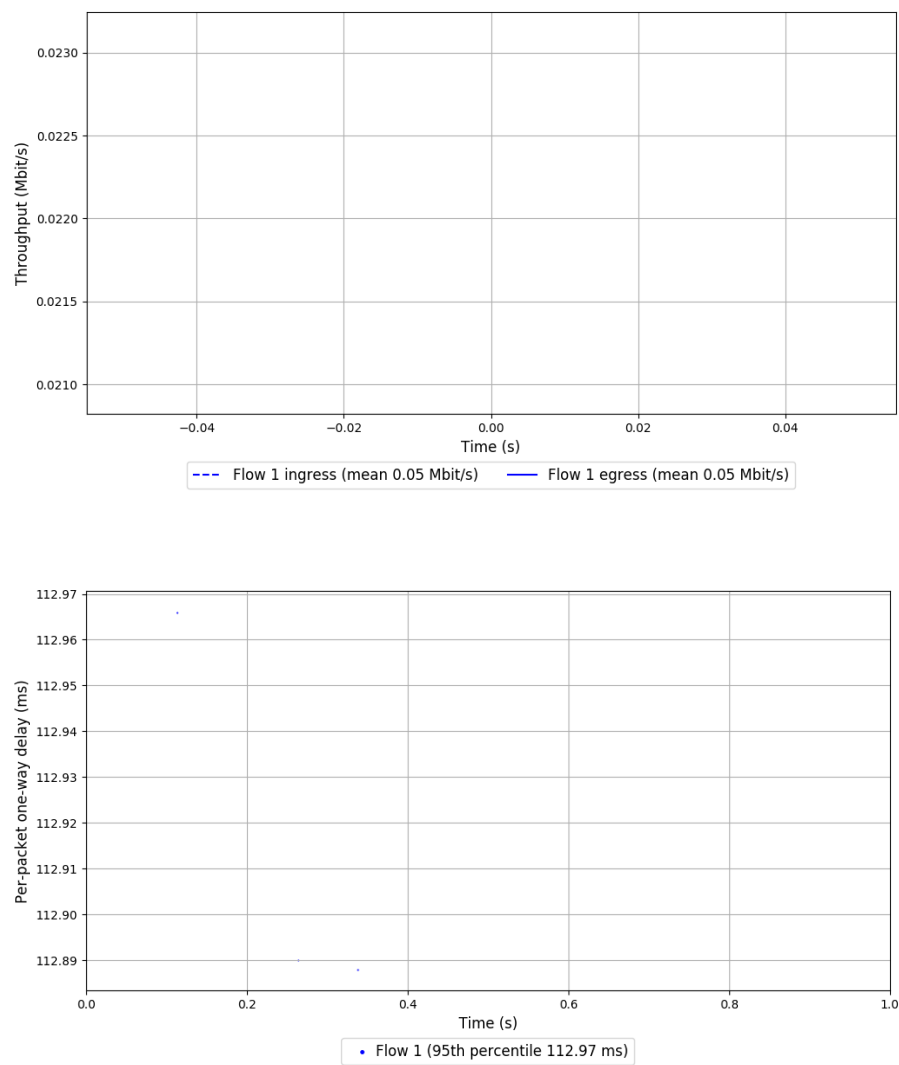


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 00:44:30

End at: 2018-02-16 00:45:00

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 01:00:14

End at: 2018-02-16 01:00:45

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.32 Mbit/s

95th percentile per-packet one-way delay: 111.115 ms

Loss rate: 0.00%

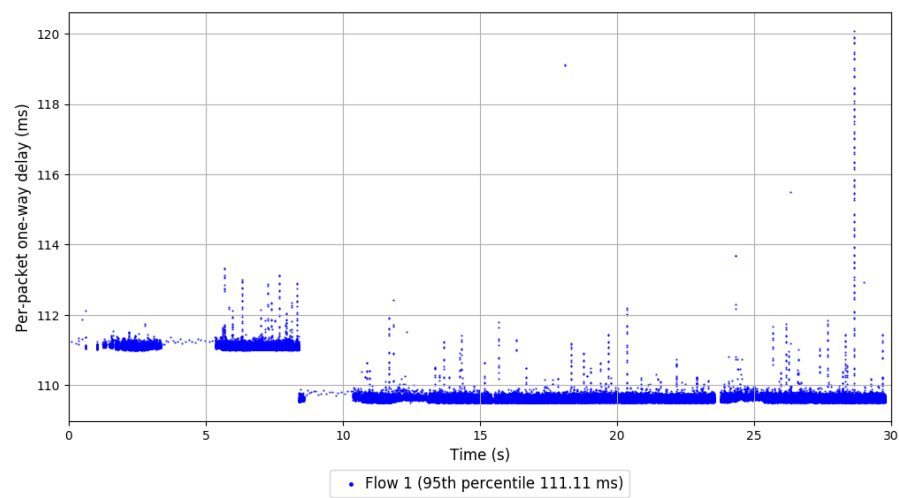
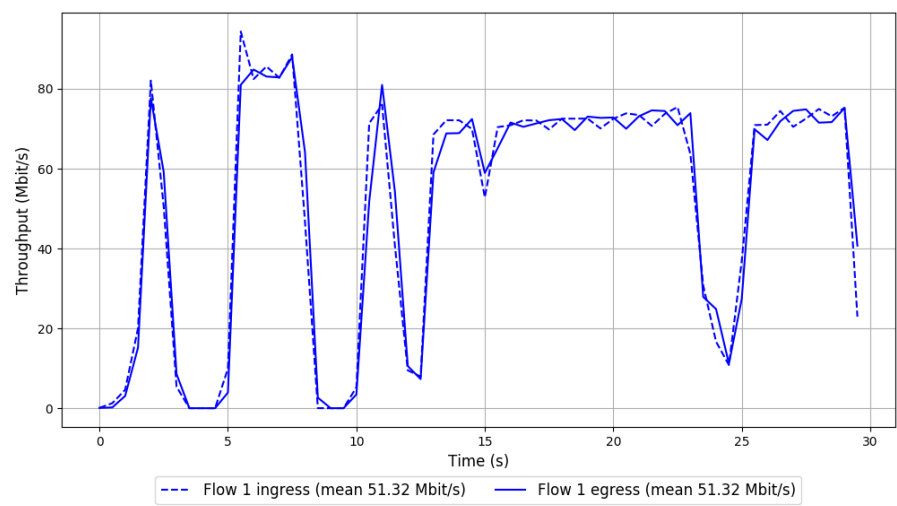
-- Flow 1:

Average throughput: 51.32 Mbit/s

95th percentile per-packet one-way delay: 111.115 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 01:15:45

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

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.48 Mbit/s

95th percentile per-packet one-way delay: 112.783 ms

Loss rate: 0.00%

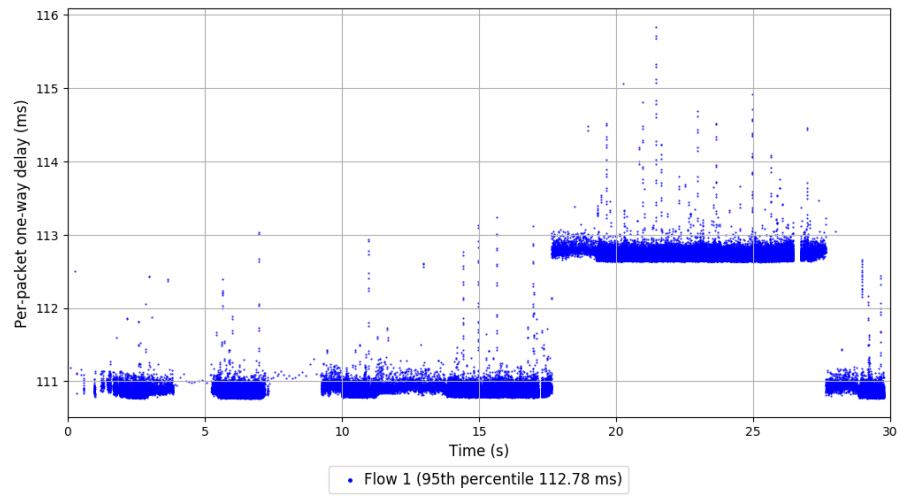
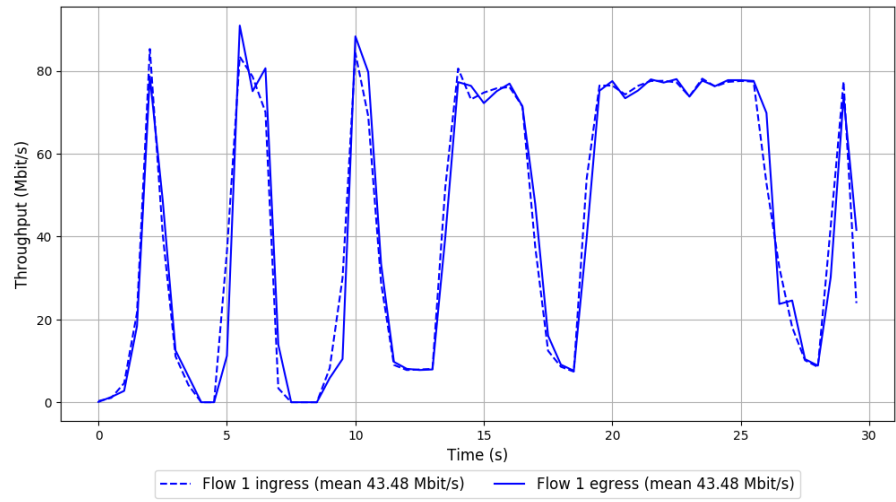
-- Flow 1:

Average throughput: 43.48 Mbit/s

95th percentile per-packet one-way delay: 112.783 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 01:31:00

End at: 2018-02-16 01:31:30

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.26 Mbit/s

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

Loss rate: 0.00%

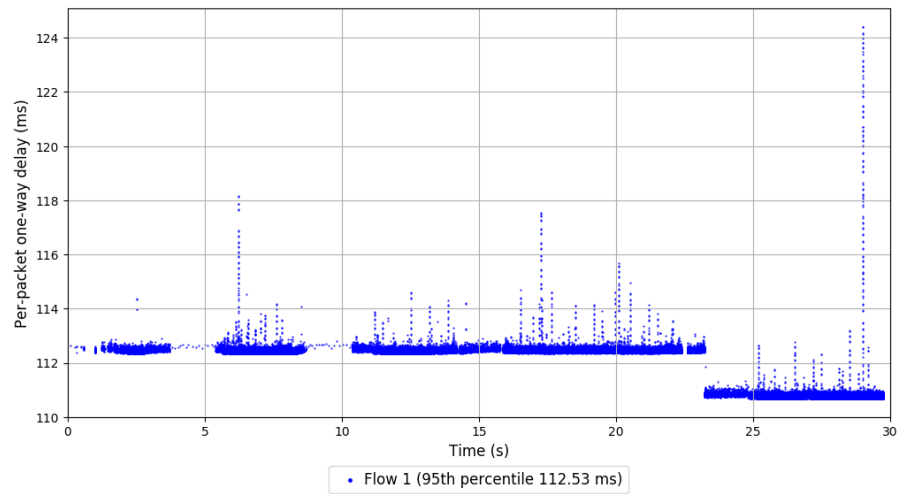
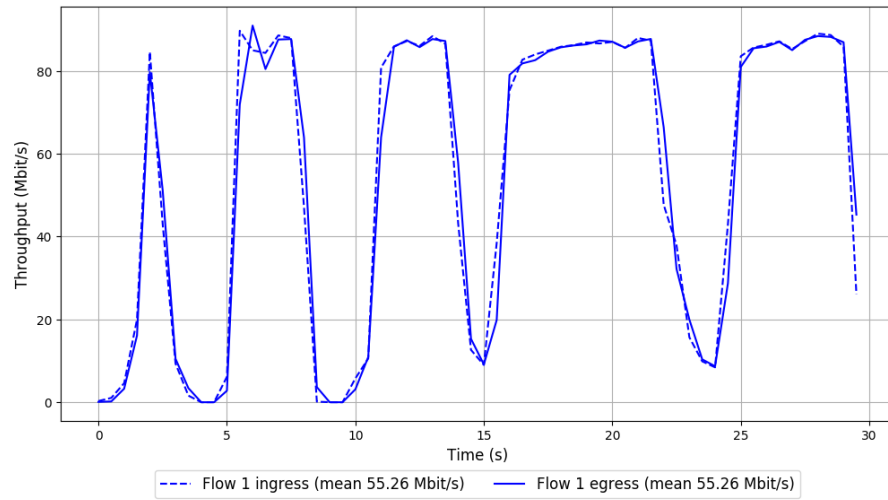
-- Flow 1:

Average throughput: 55.26 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 01:46:32

End at: 2018-02-16 01:47:02

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.12 Mbit/s

95th percentile per-packet one-way delay: 112.619 ms

Loss rate: 0.00%

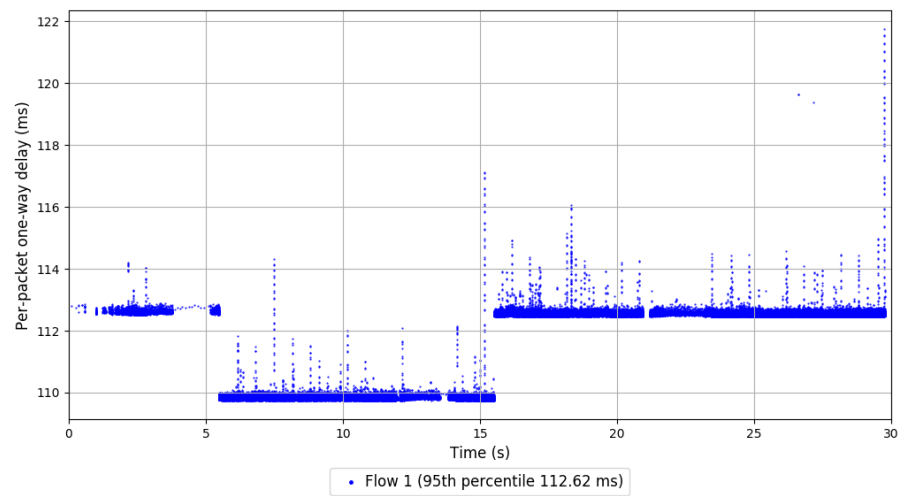
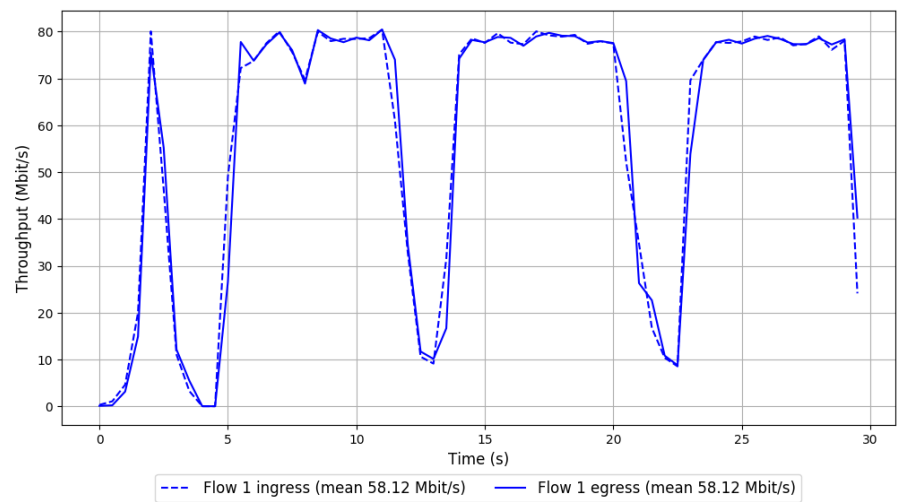
-- Flow 1:

Average throughput: 58.12 Mbit/s

95th percentile per-packet one-way delay: 112.619 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

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

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

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.67 Mbit/s

95th percentile per-packet one-way delay: 112.525 ms

Loss rate: 0.00%

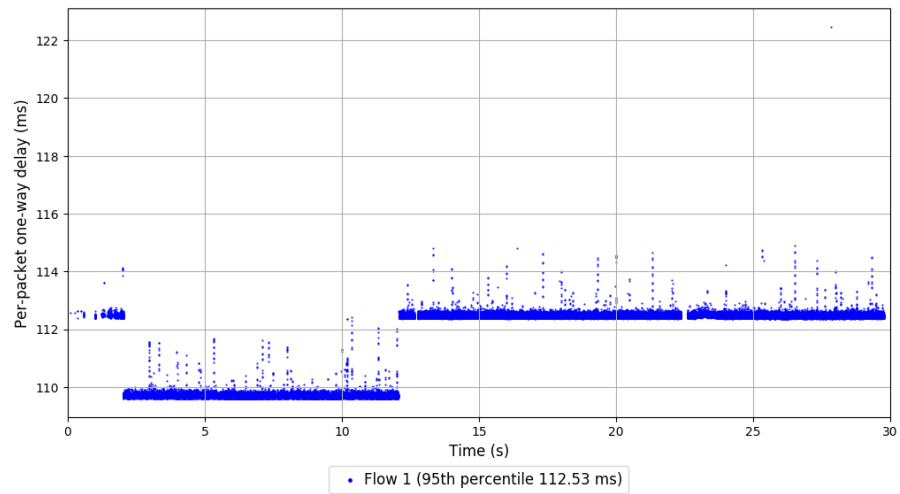
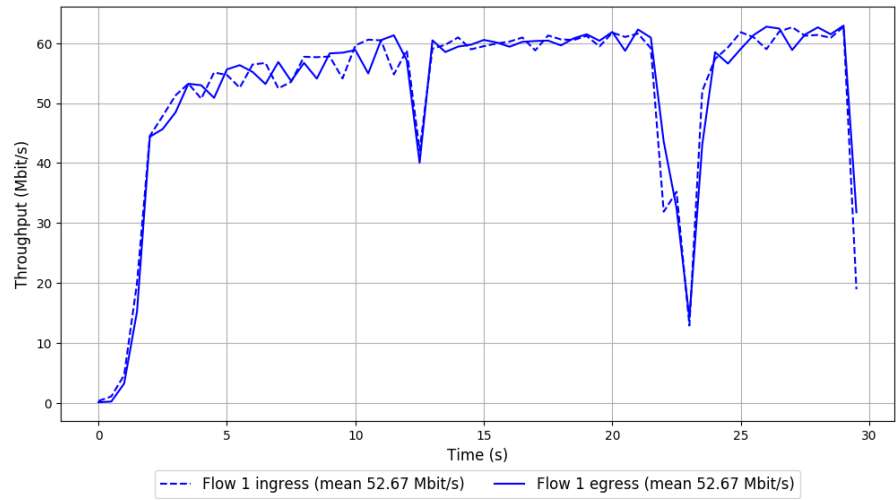
-- Flow 1:

Average throughput: 52.67 Mbit/s

95th percentile per-packet one-way delay: 112.525 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 02:17:45

End at: 2018-02-16 02:18:15

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.55 Mbit/s

95th percentile per-packet one-way delay: 112.744 ms

Loss rate: 0.00%

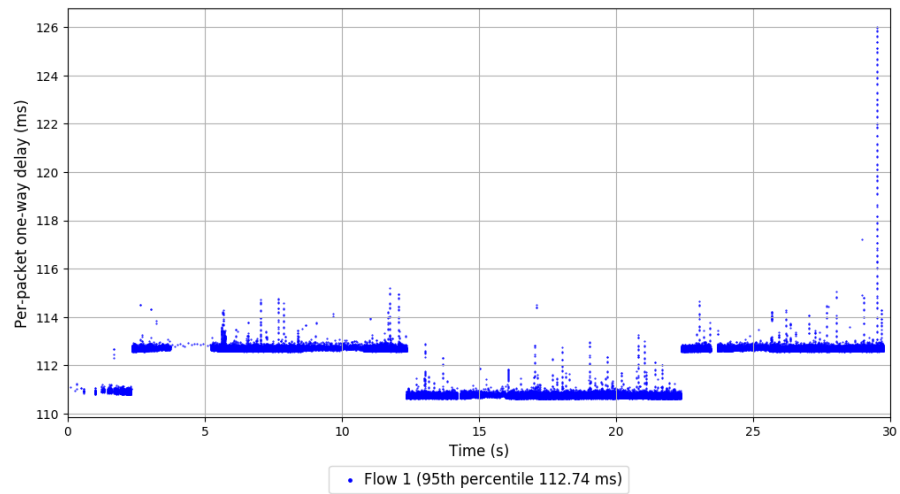
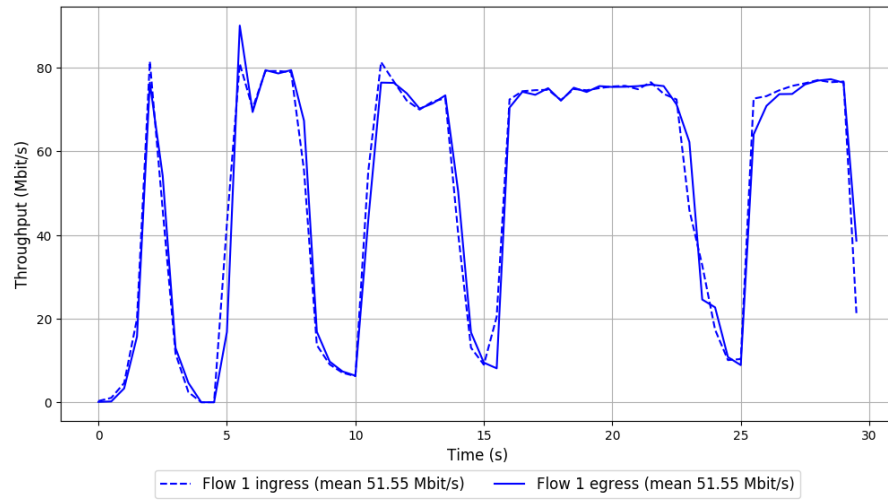
-- Flow 1:

Average throughput: 51.55 Mbit/s

95th percentile per-packet one-way delay: 112.744 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 02:33:12

End at: 2018-02-16 02:33:42

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.71 Mbit/s

95th percentile per-packet one-way delay: 112.187 ms

Loss rate: 0.00%

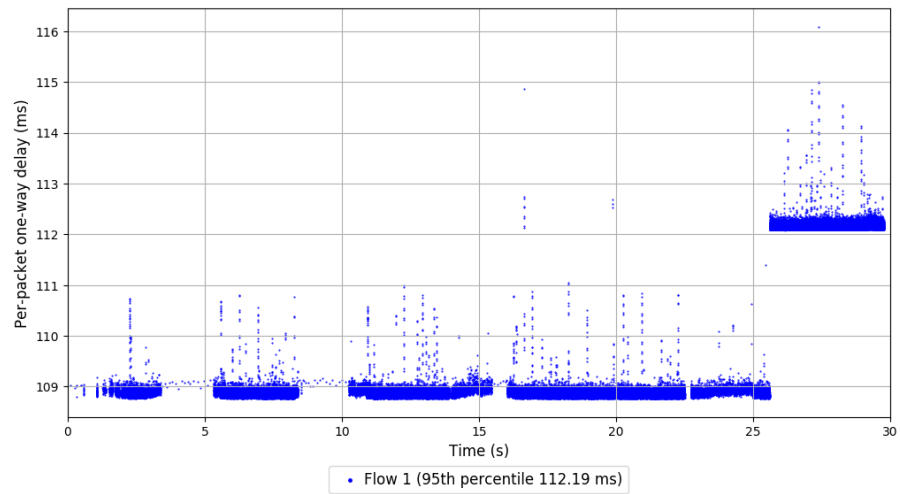
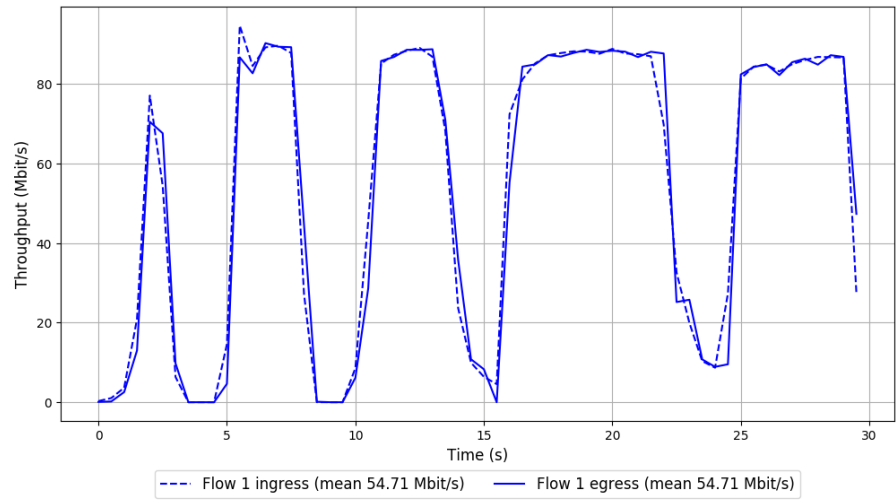
-- Flow 1:

Average throughput: 54.71 Mbit/s

95th percentile per-packet one-way delay: 112.187 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 02:48:55

End at: 2018-02-16 02:49:25

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.46 Mbit/s

95th percentile per-packet one-way delay: 112.790 ms

Loss rate: 0.00%

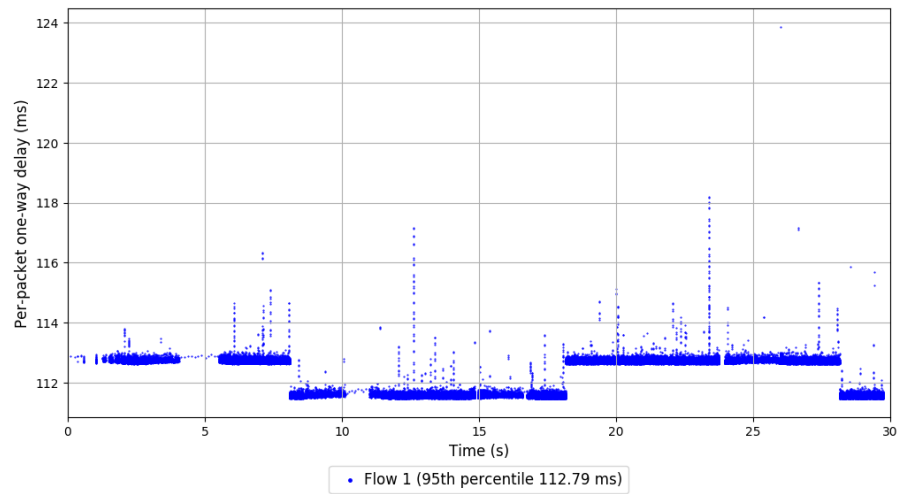
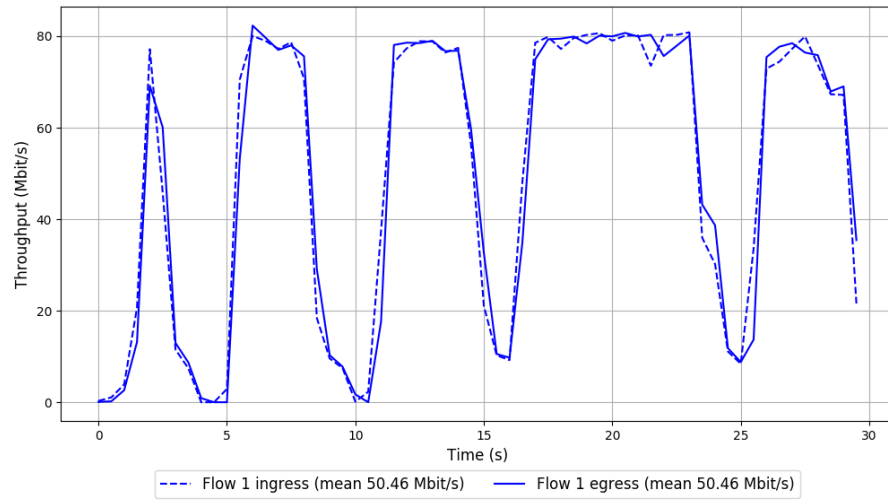
-- Flow 1:

Average throughput: 50.46 Mbit/s

95th percentile per-packet one-way delay: 112.790 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

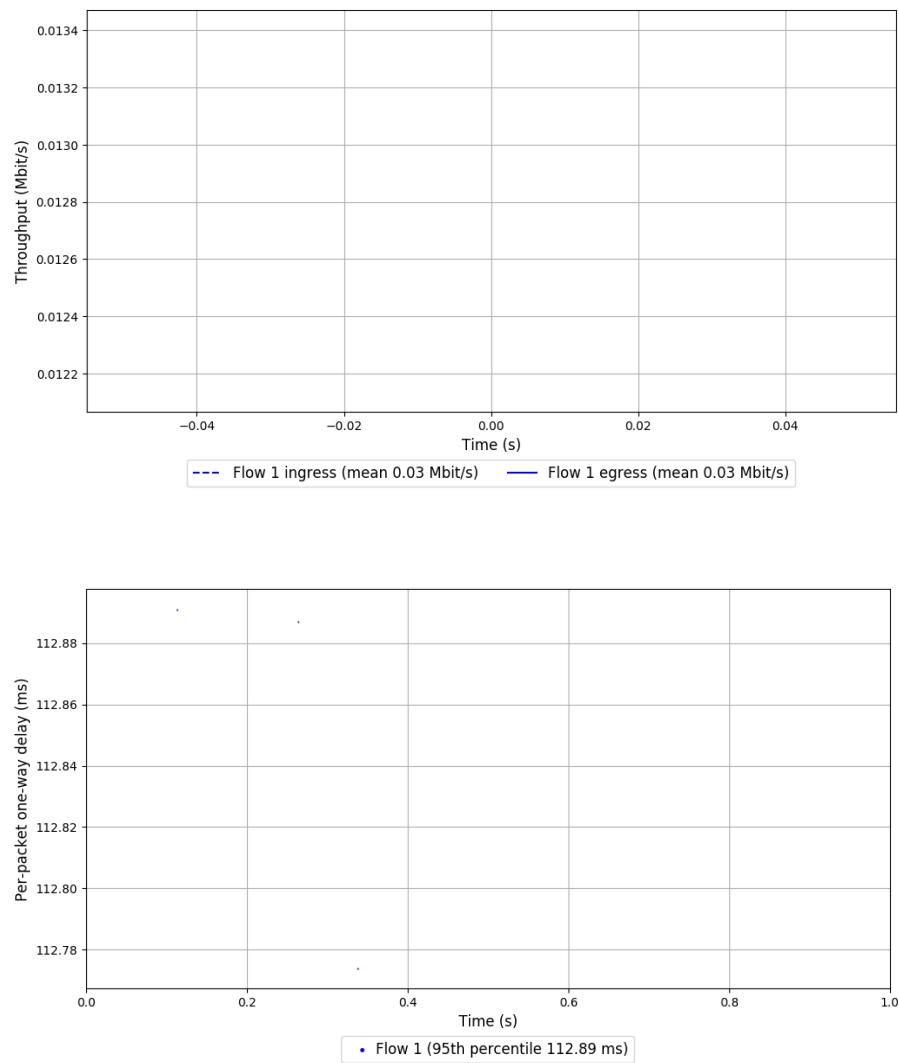


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 03:04:41

End at: 2018-02-16 03:05:11

Run 10: Report of QUIC Cubic — Data Link

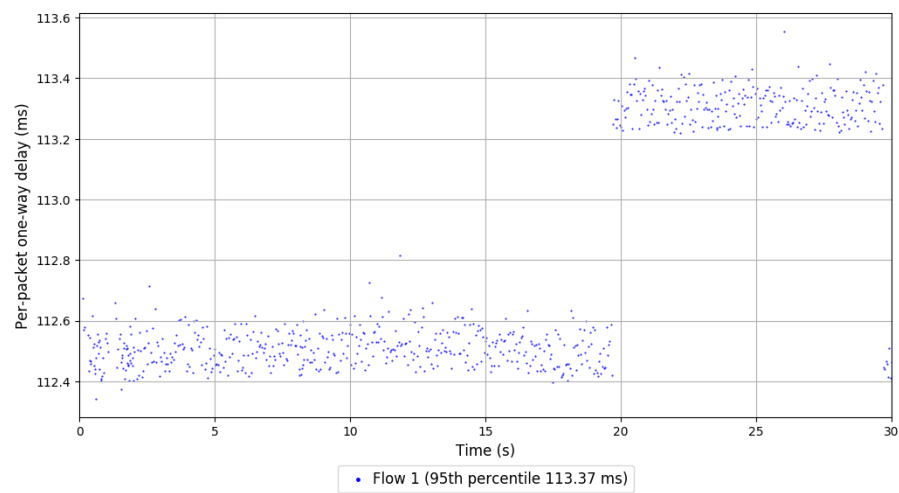
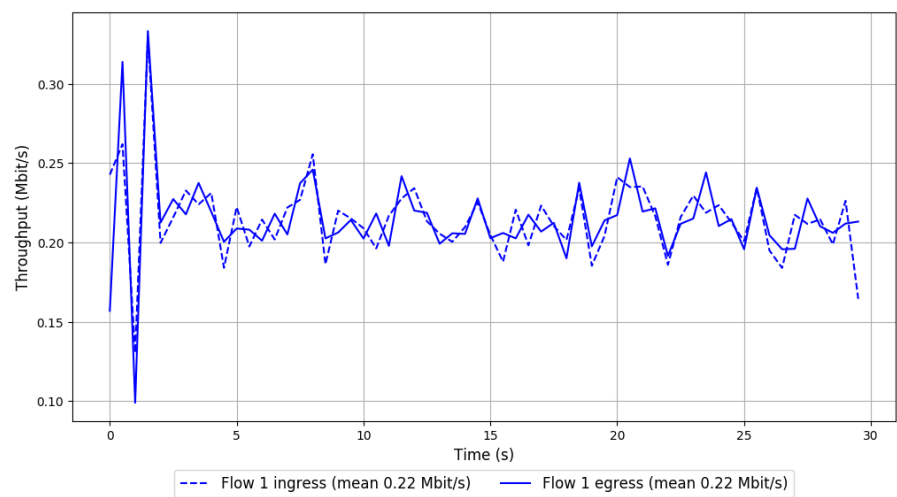


```
Run 1: Statistics of SCReAM

Start at: 2018-02-16 00:50:28
End at: 2018-02-16 00:50:58

# Below is generated by plot.py at 2018-02-16 04:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.367 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

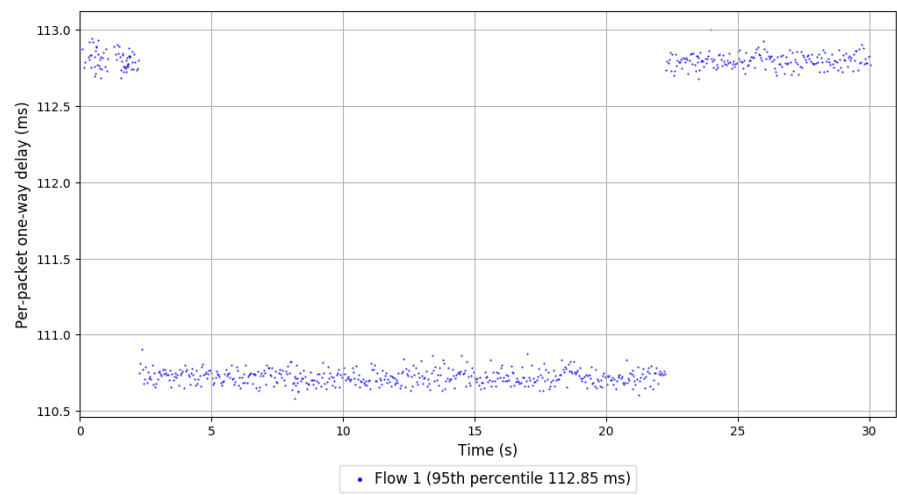
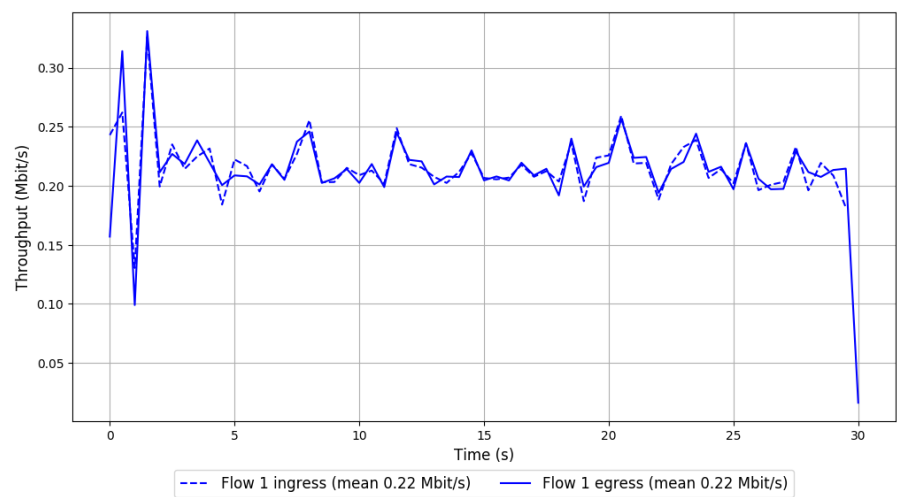


```
Run 2: Statistics of SCReAM

Start at: 2018-02-16 01:06:01
End at: 2018-02-16 01:06:31

# Below is generated by plot.py at 2018-02-16 04:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.851 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-16 01:21:29

End at: 2018-02-16 01:21:59

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.798 ms

Loss rate: 0.00%

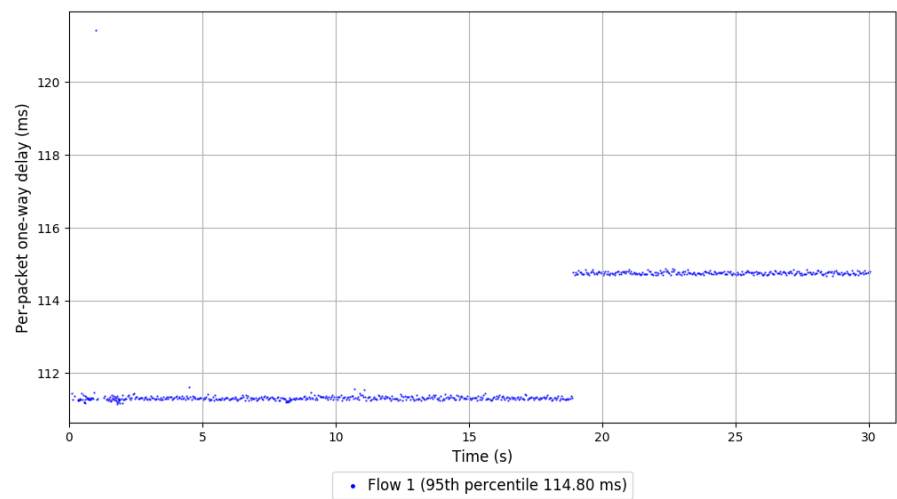
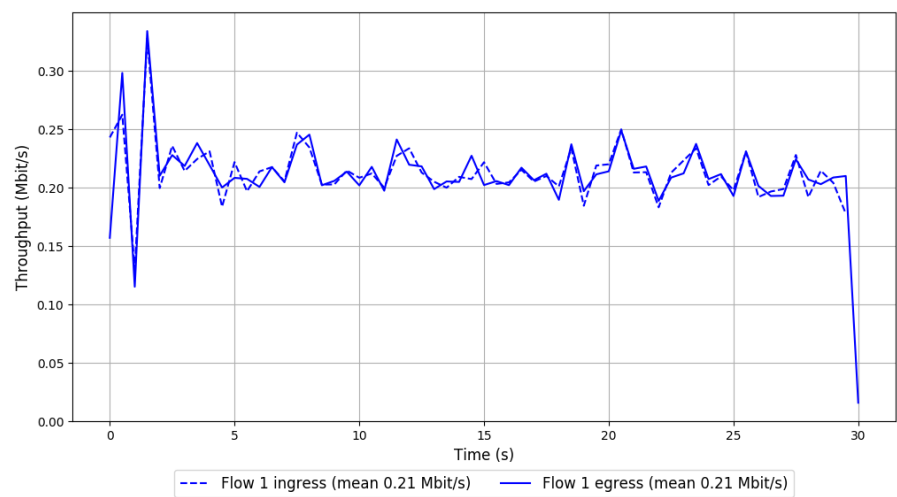
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.798 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-16 01:36:44

End at: 2018-02-16 01:37:14

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.021 ms

Loss rate: 0.00%

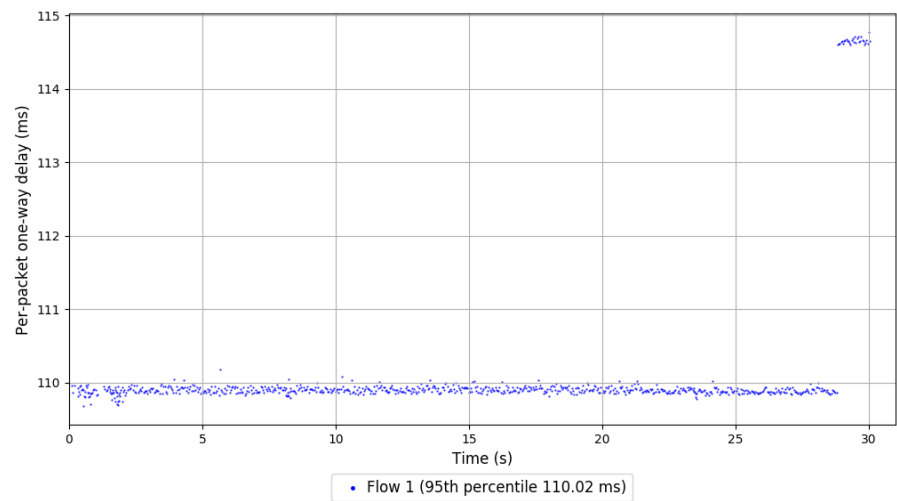
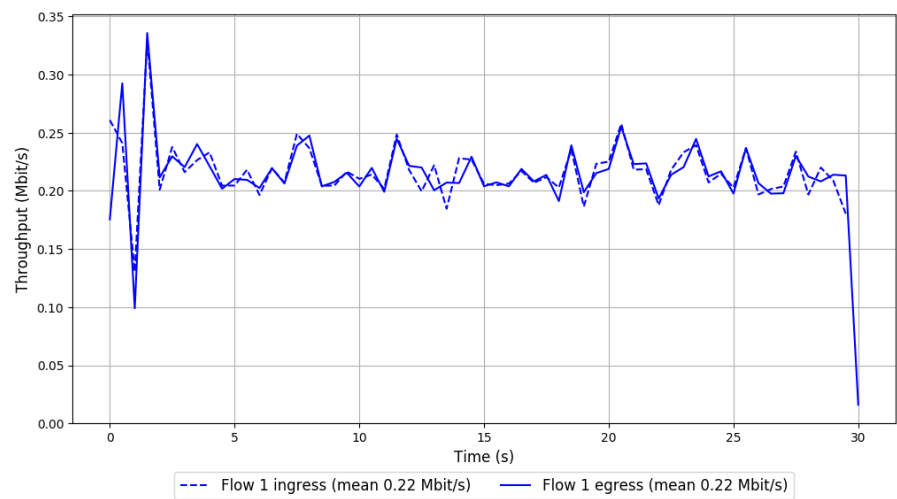
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.021 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-16 01:52:30

End at: 2018-02-16 01:53:00

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

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

Loss rate: 0.00%

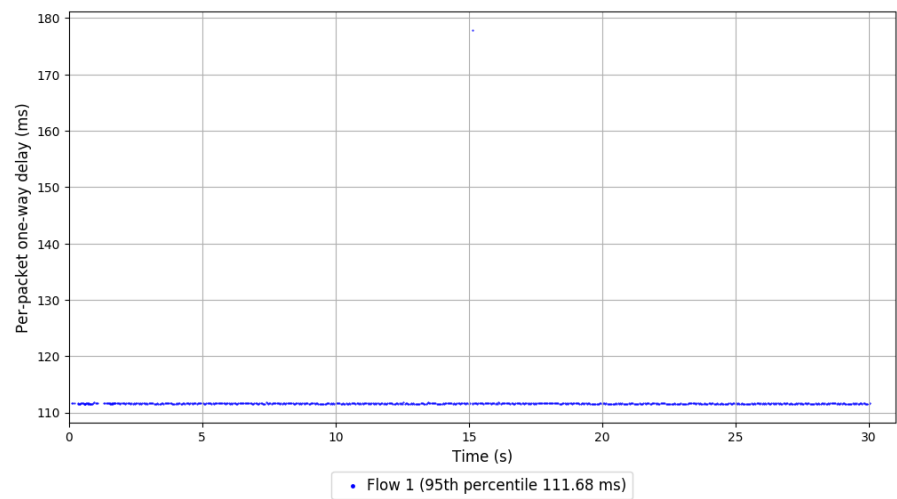
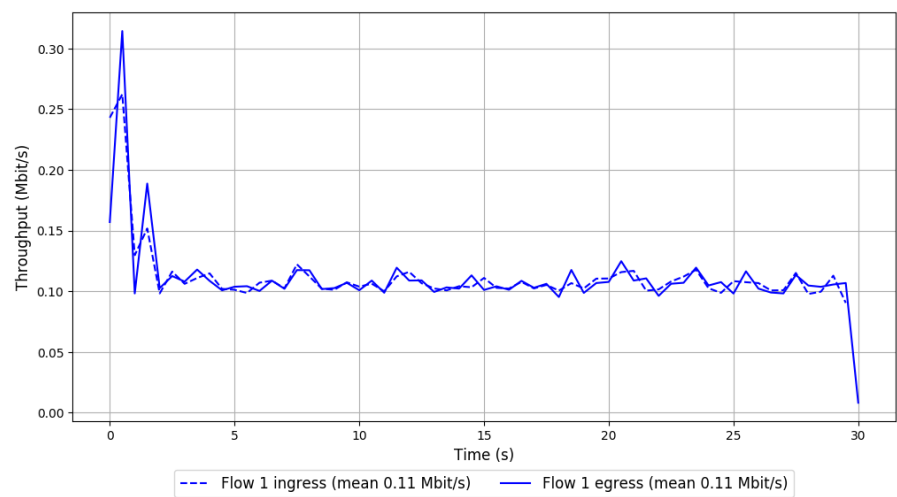
-- Flow 1:

Average throughput: 0.11 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-16 02:08:11

End at: 2018-02-16 02:08:41

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.836 ms

Loss rate: 0.00%

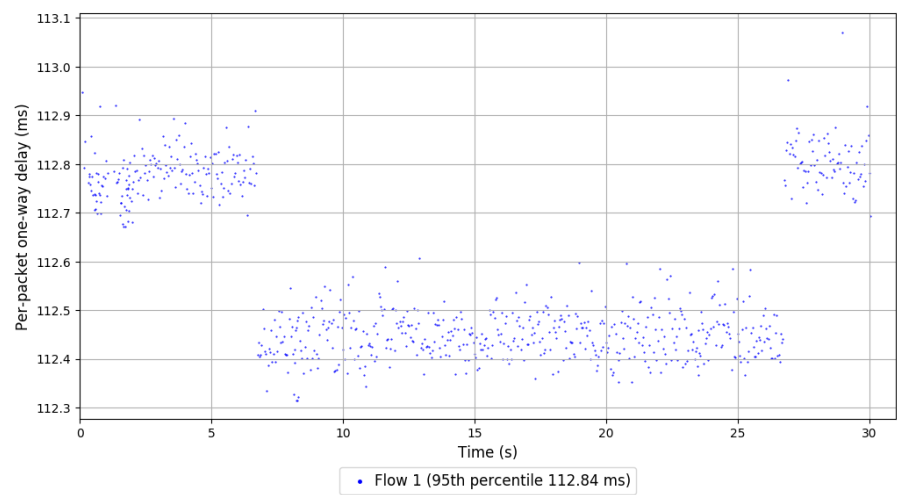
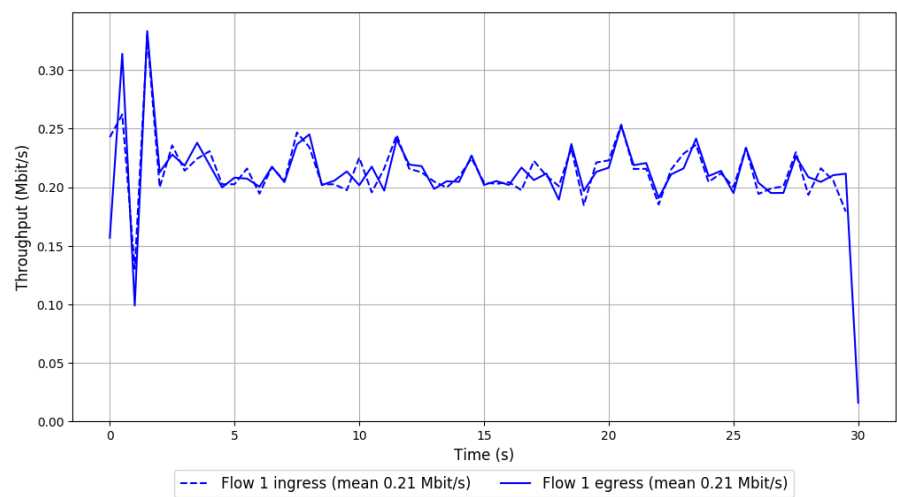
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.836 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-02-16 02:23:33

End at: 2018-02-16 02:24:03

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.869 ms

Loss rate: 0.00%

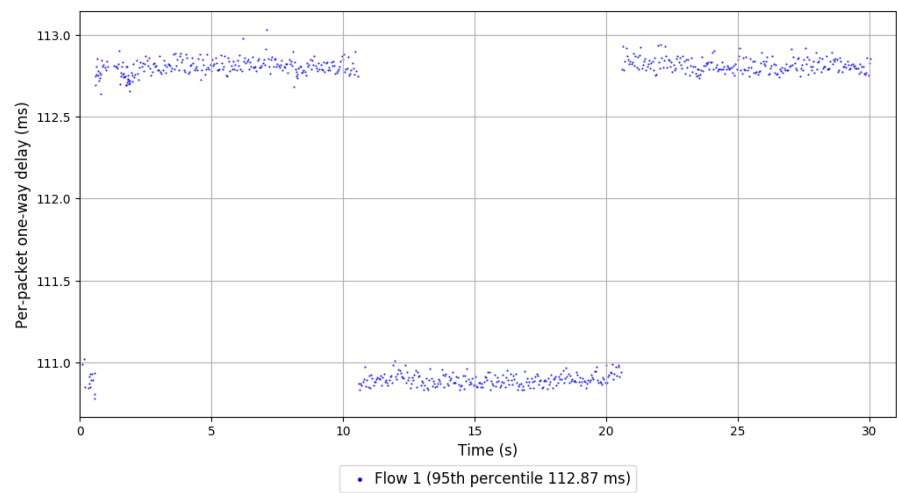
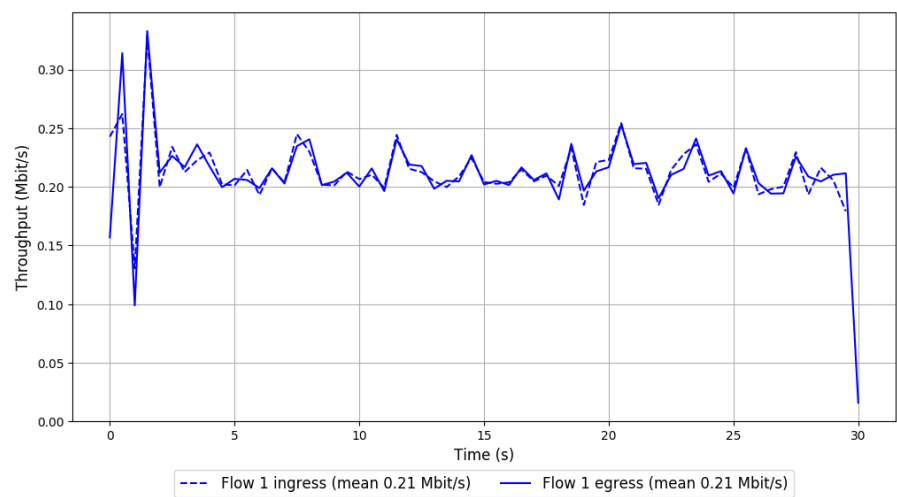
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.869 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-16 02:39:15

End at: 2018-02-16 02:39:45

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.860 ms

Loss rate: 0.00%

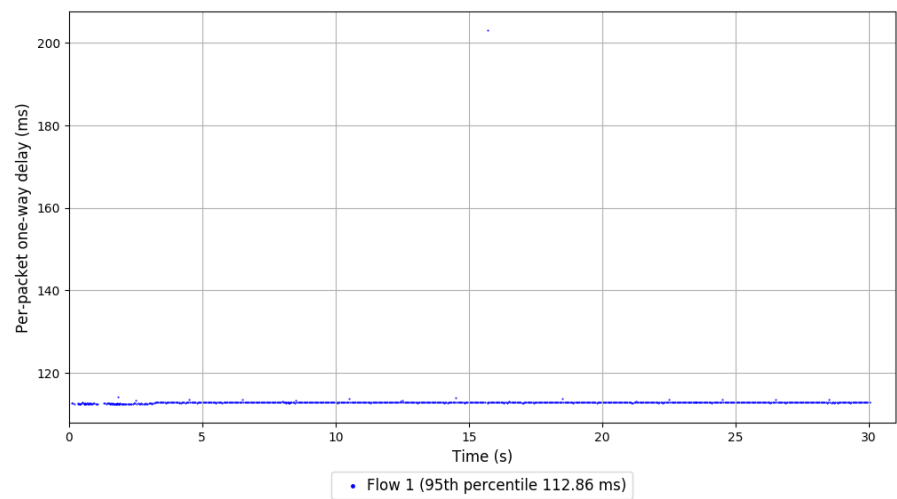
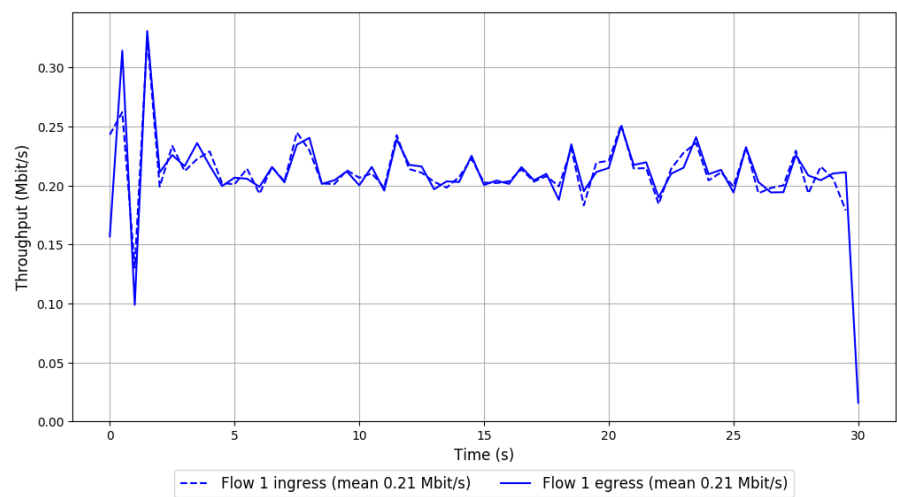
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.860 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-16 02:54:54

End at: 2018-02-16 02:55:24

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.731 ms

Loss rate: 0.00%

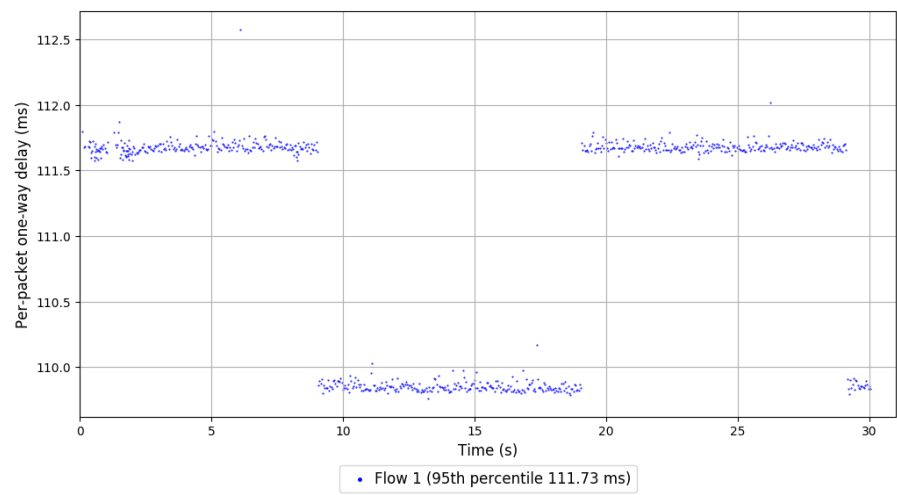
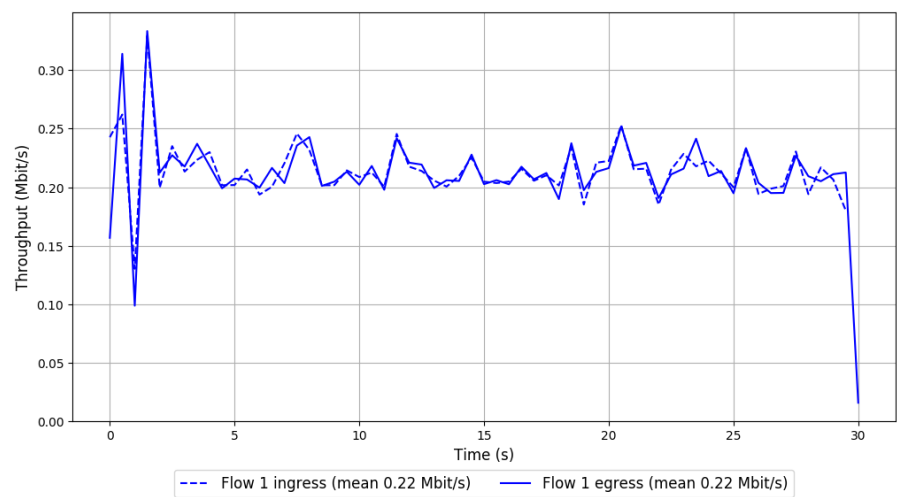
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.731 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-16 03:10:36

End at: 2018-02-16 03:11:07

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.790 ms

Loss rate: 0.00%

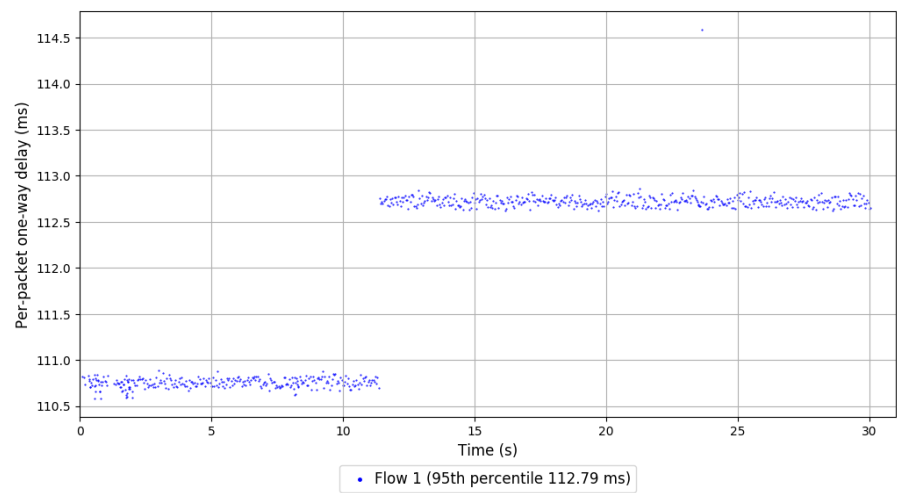
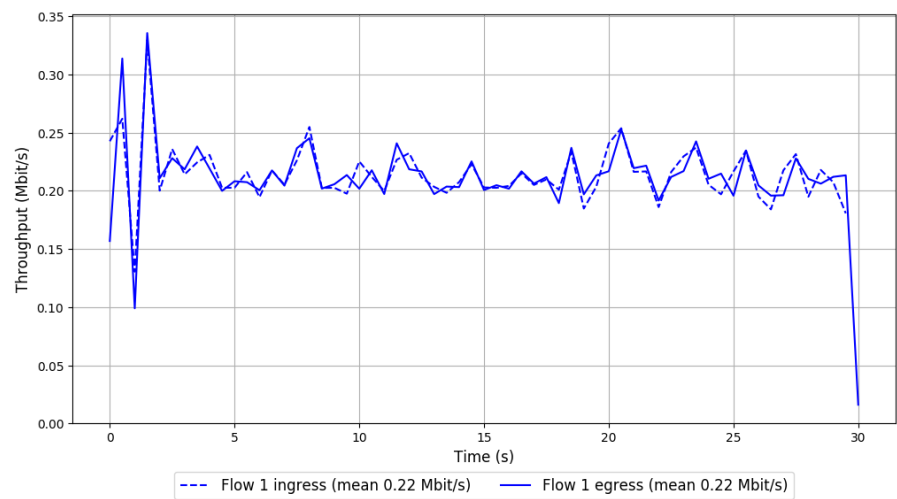
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.790 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

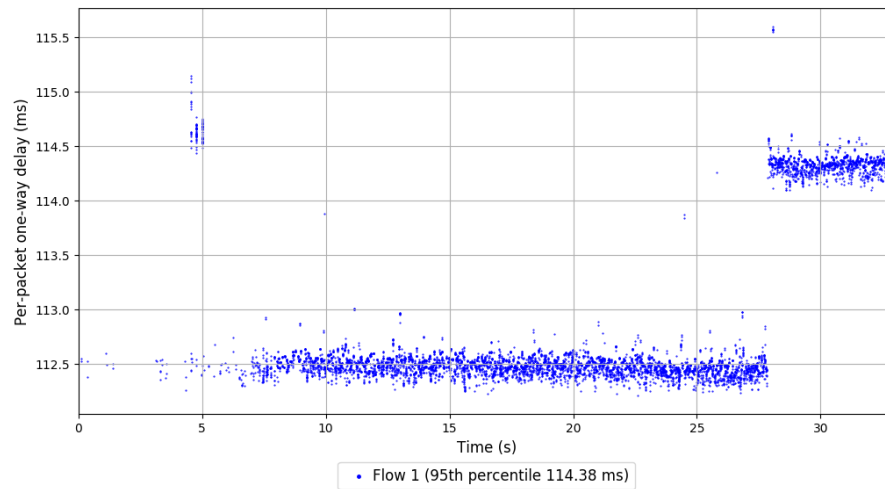
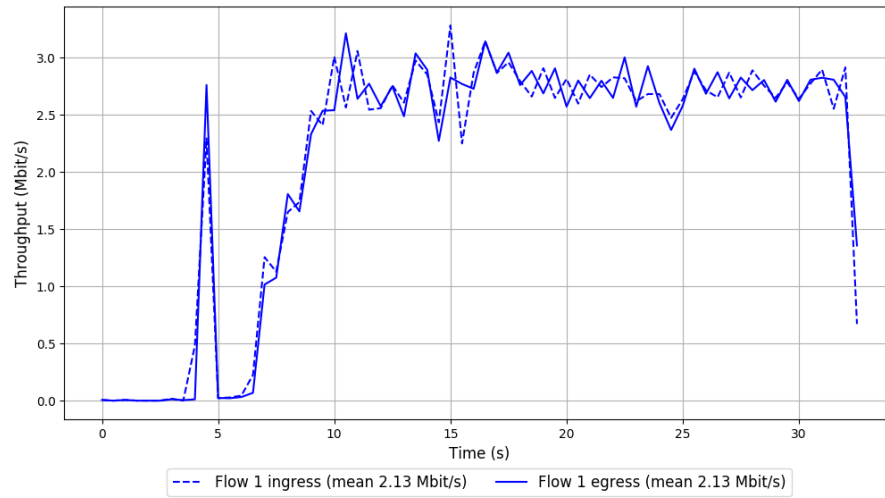


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-16 00:38:58
End at: 2018-02-16 00:39:28

# Below is generated by plot.py at 2018-02-16 04:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 114.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 114.383 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-16 00:54:44

End at: 2018-02-16 00:55:14

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 113.467 ms

Loss rate: 0.00%

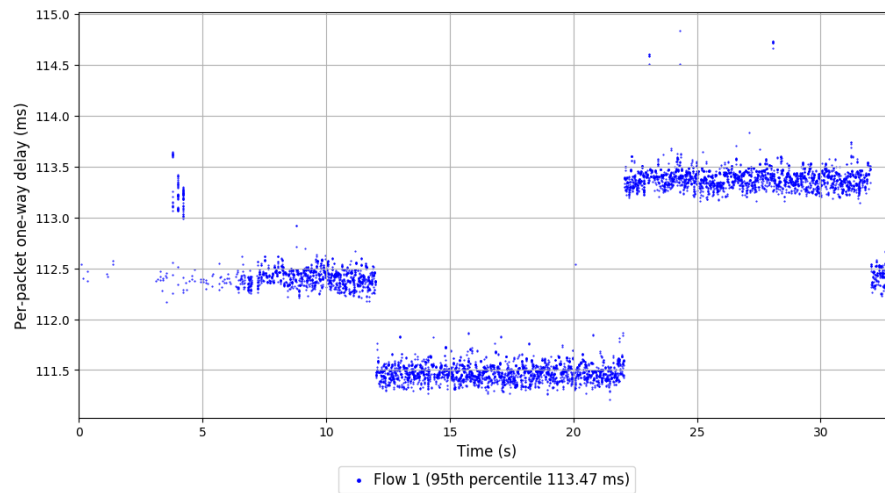
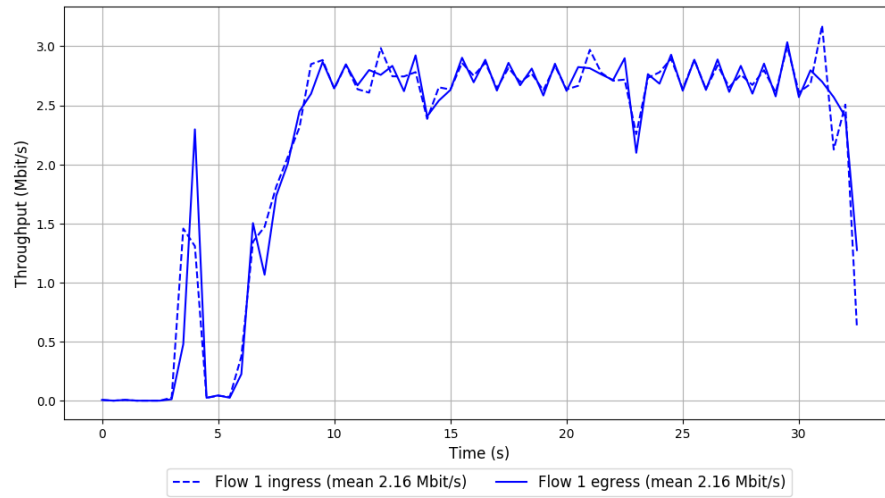
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 113.467 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-16 01:10:12

End at: 2018-02-16 01:10:42

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 113.400 ms

Loss rate: 0.00%

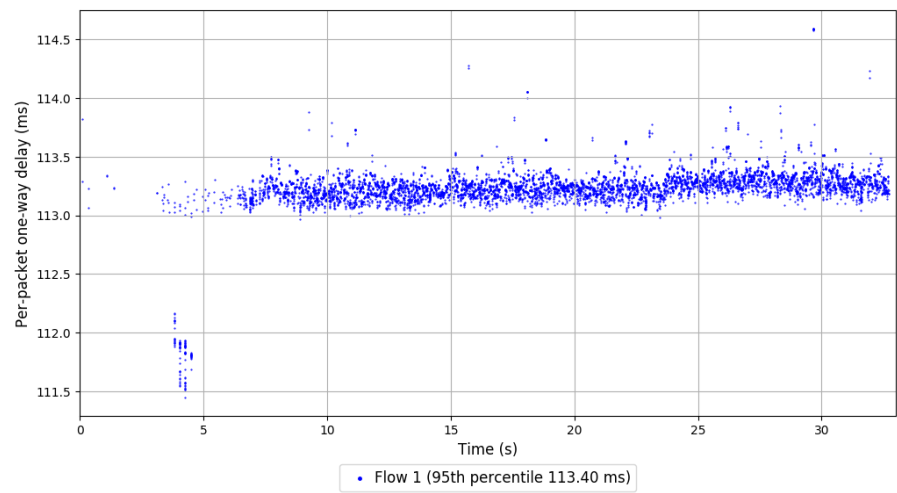
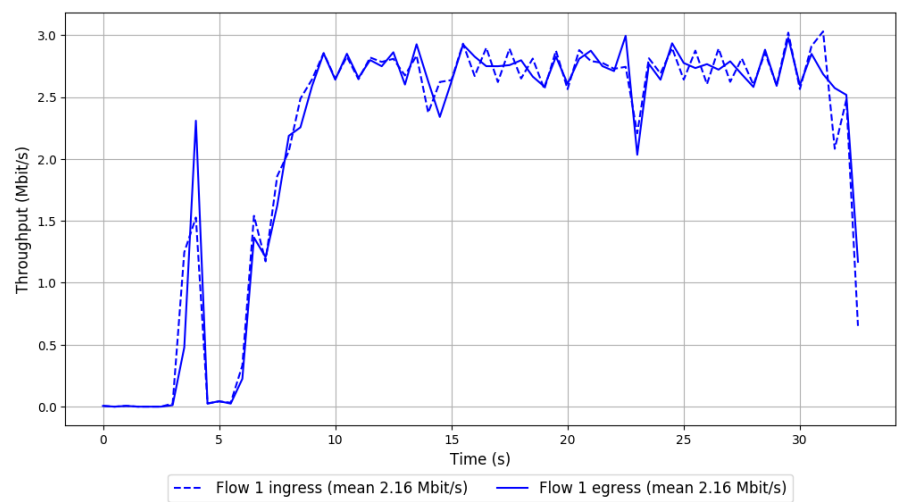
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 113.400 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-16 01:25:34

End at: 2018-02-16 01:26:04

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 112.733 ms

Loss rate: 0.00%

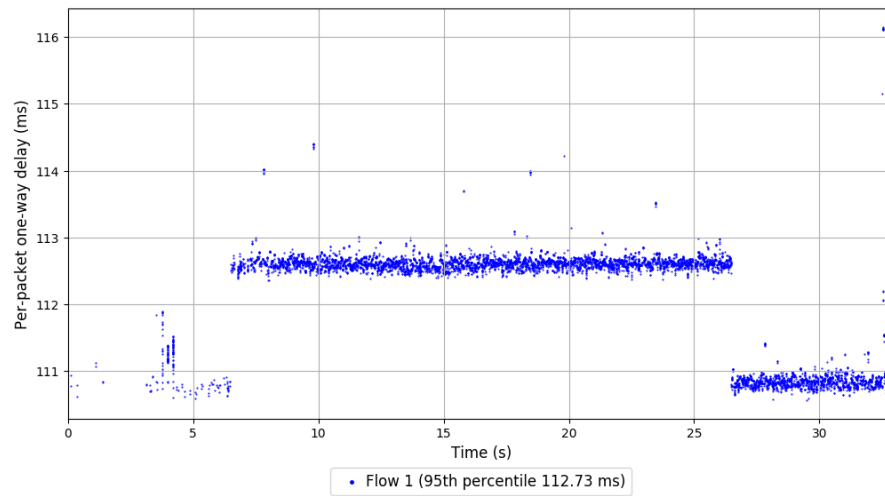
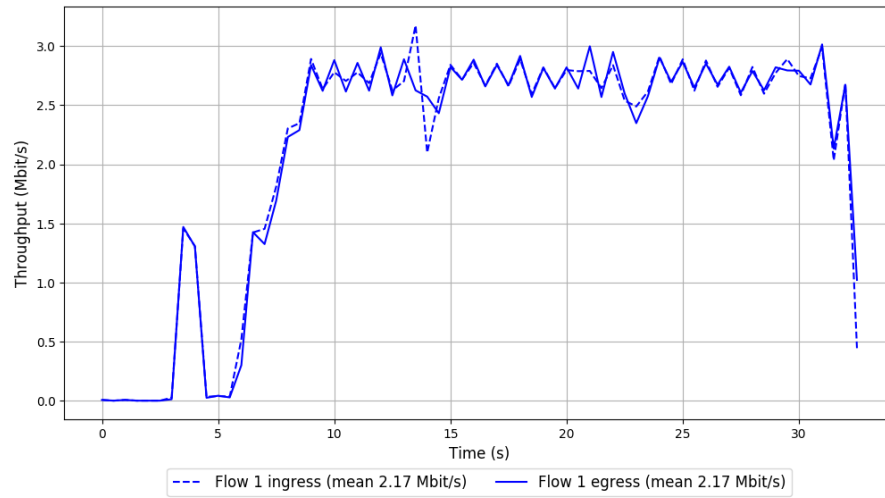
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 112.733 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-16 01:41:00

End at: 2018-02-16 01:41:30

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.131 ms

Loss rate: 0.00%

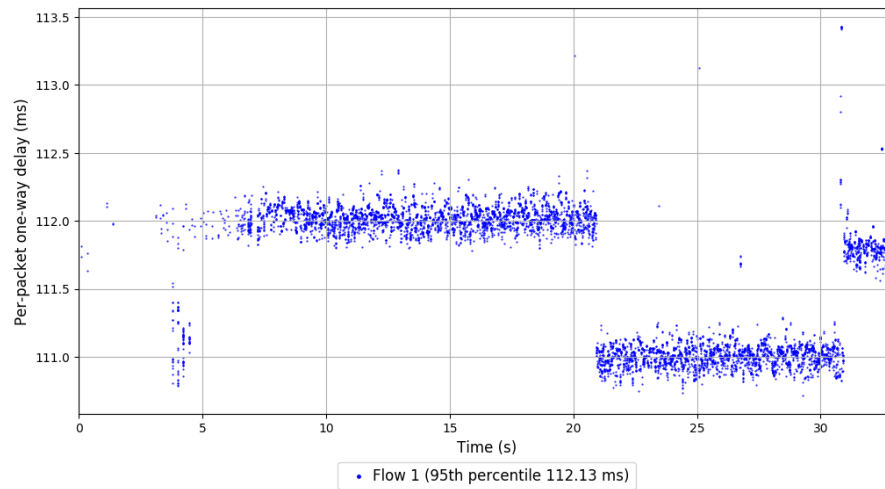
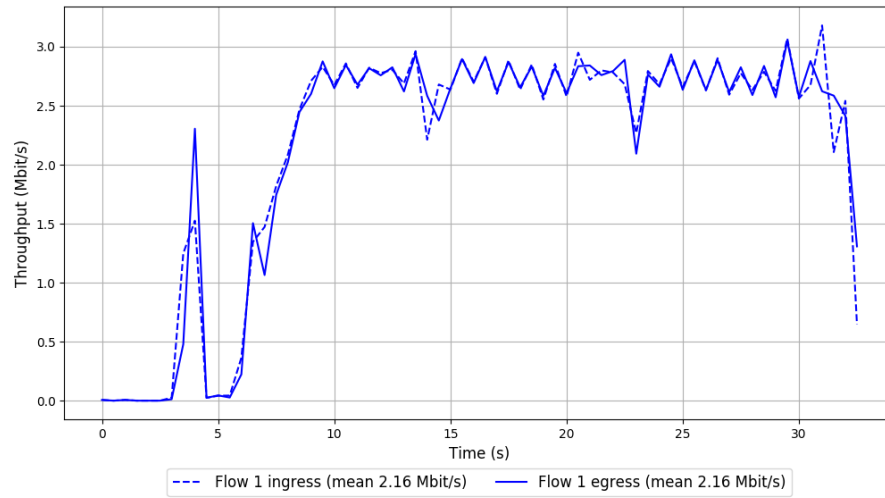
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.131 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-16 01:56:40

End at: 2018-02-16 01:57:10

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.538 ms

Loss rate: 0.00%

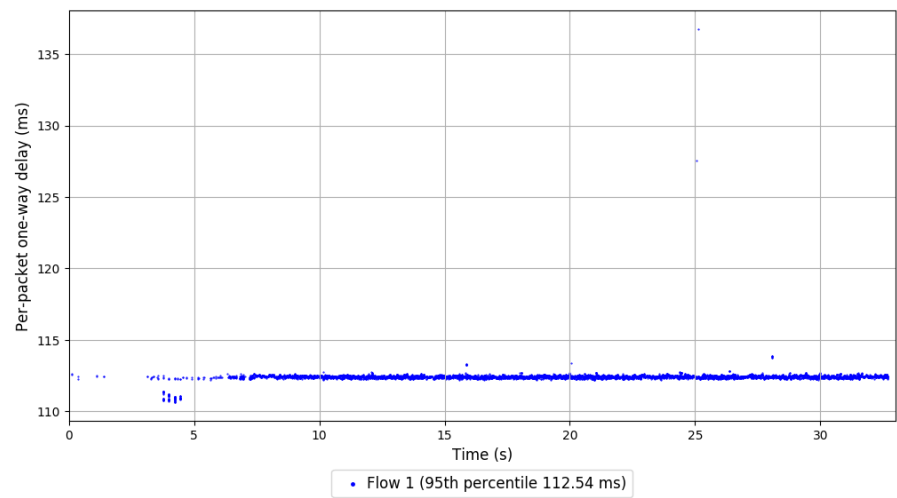
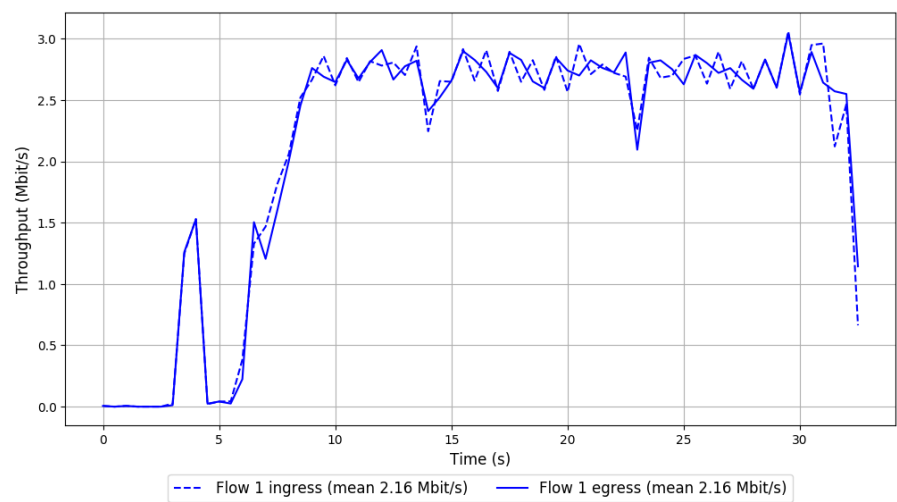
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.538 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-16 02:12:19

End at: 2018-02-16 02:12:49

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.748 ms

Loss rate: 0.00%

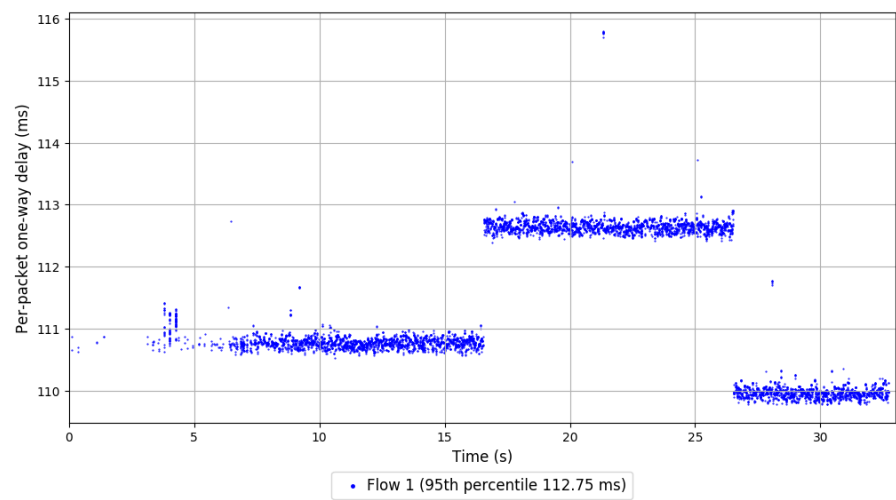
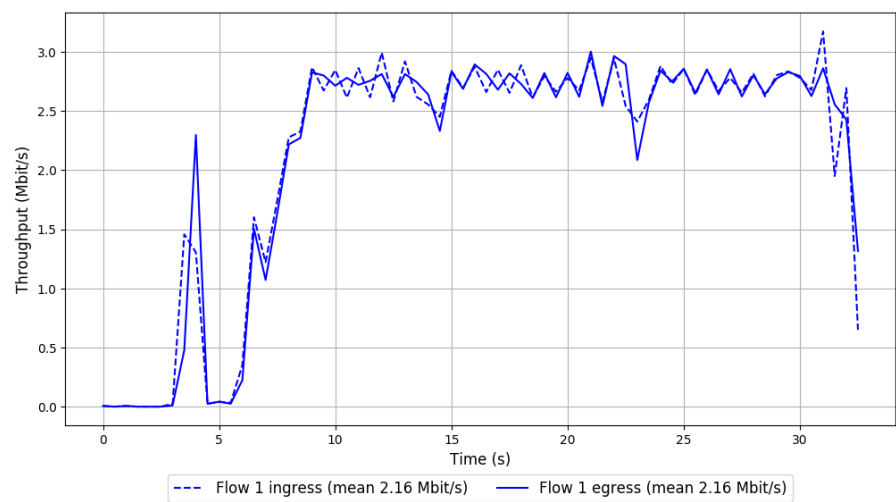
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.748 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-16 02:27:41

End at: 2018-02-16 02:28:11

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 110.751 ms

Loss rate: 0.00%

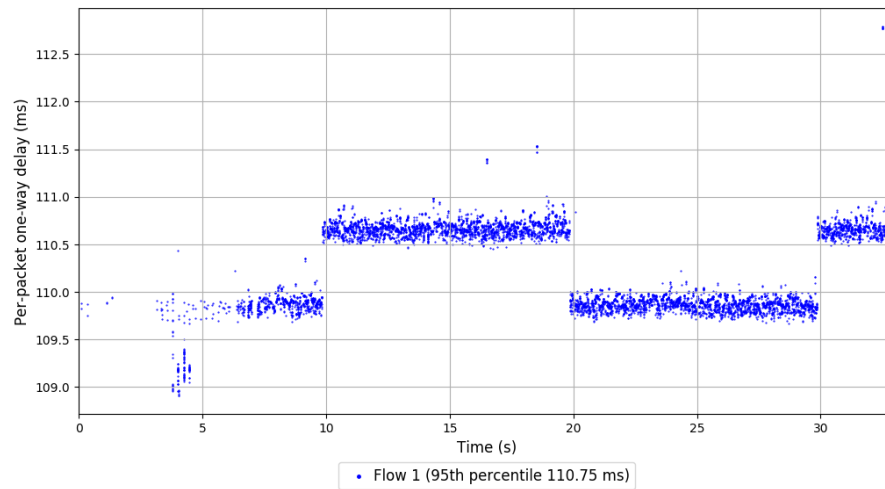
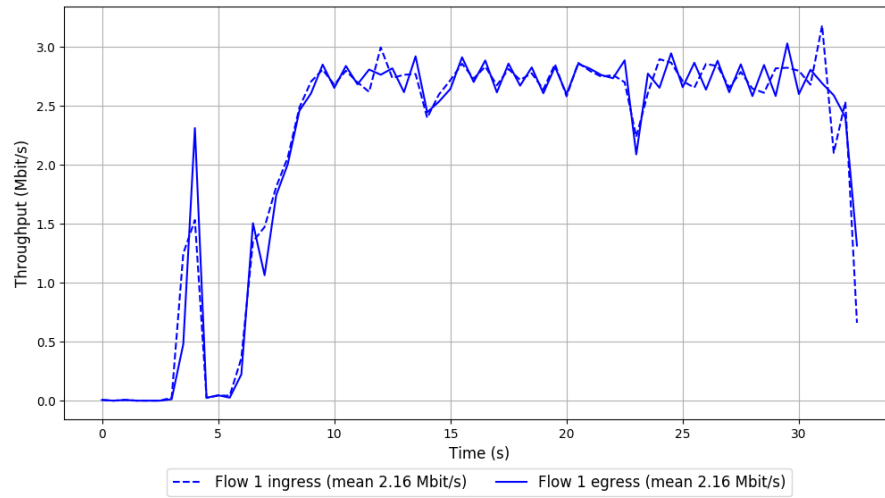
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 110.751 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-16 02:43:26

End at: 2018-02-16 02:43:56

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 111.883 ms

Loss rate: 0.00%

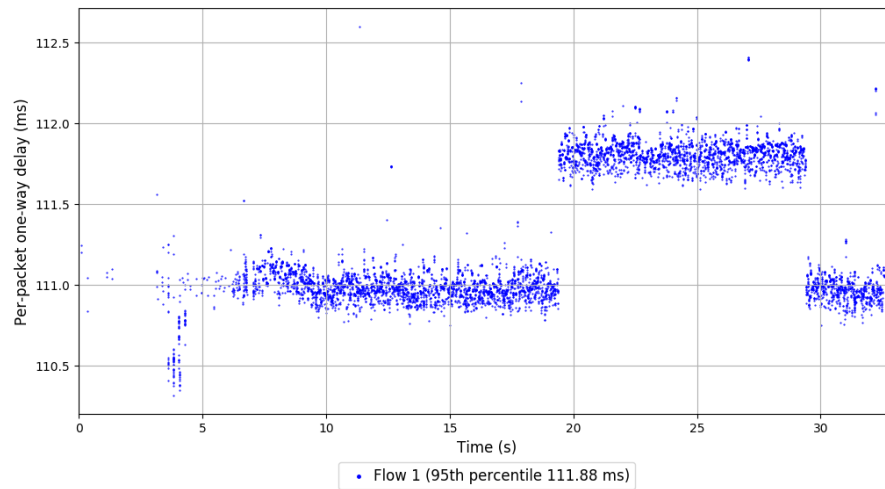
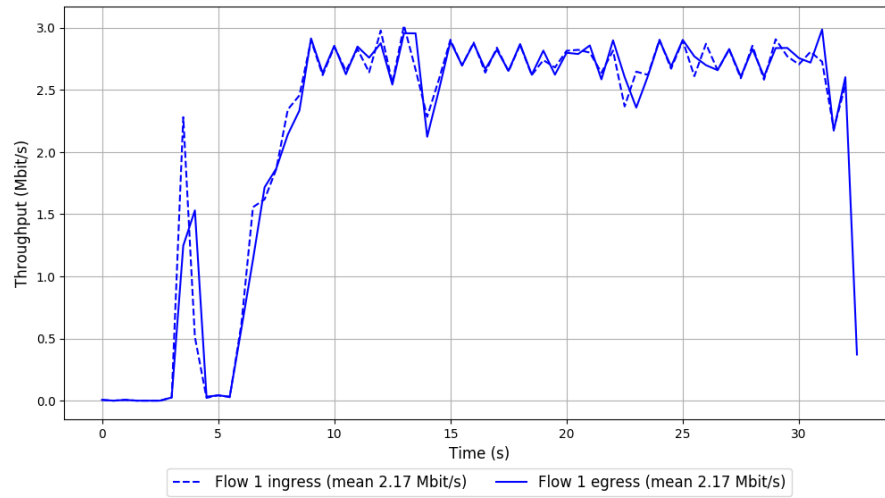
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 111.883 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-16 02:59:10

End at: 2018-02-16 02:59:40

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 112.672 ms

Loss rate: 0.00%

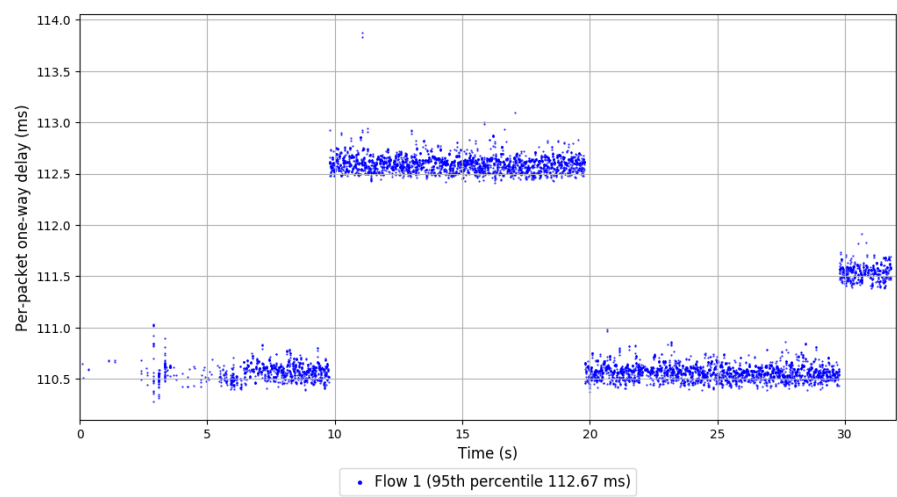
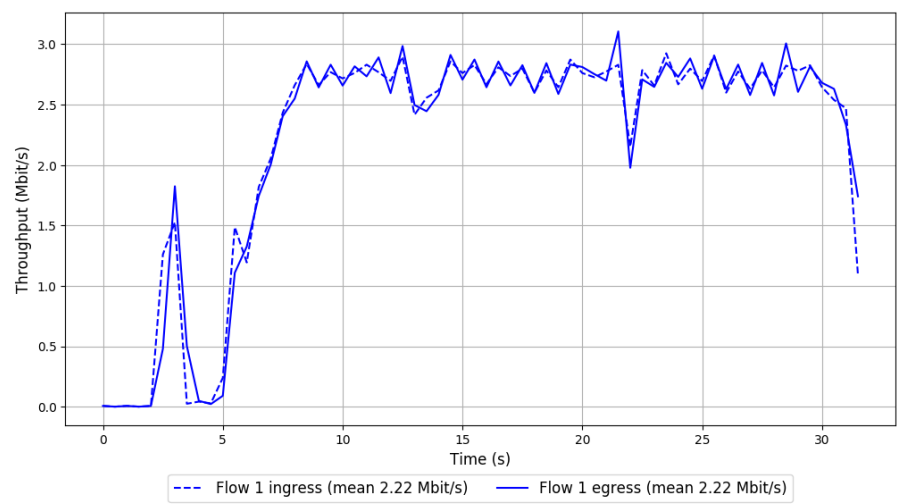
-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 112.672 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-16 00:46:47

End at: 2018-02-16 00:47:17

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 113.804 ms

Loss rate: 0.00%

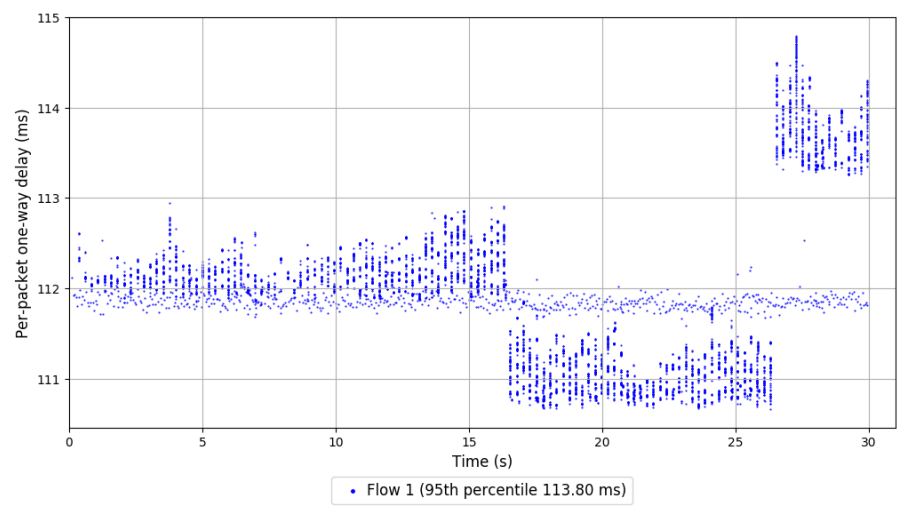
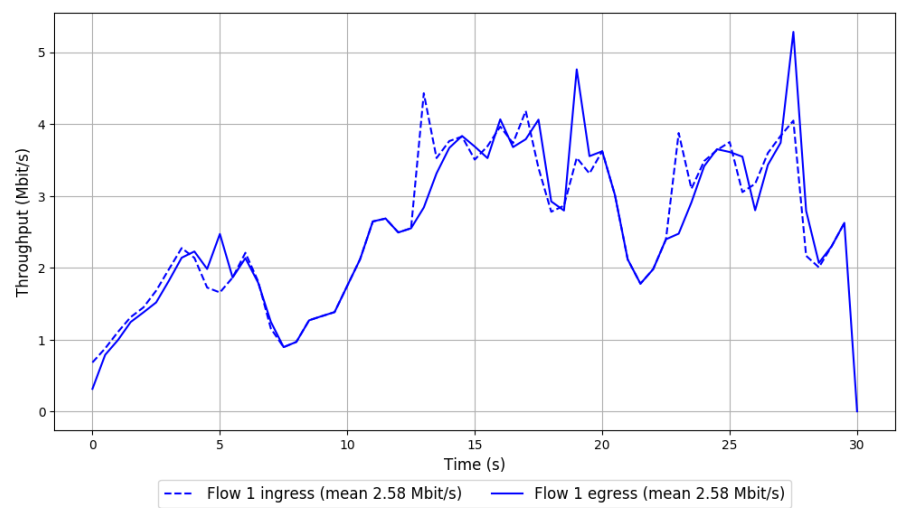
-- Flow 1:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 113.804 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-16 01:02:43

End at: 2018-02-16 01:03:13

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 113.642 ms

Loss rate: 0.00%

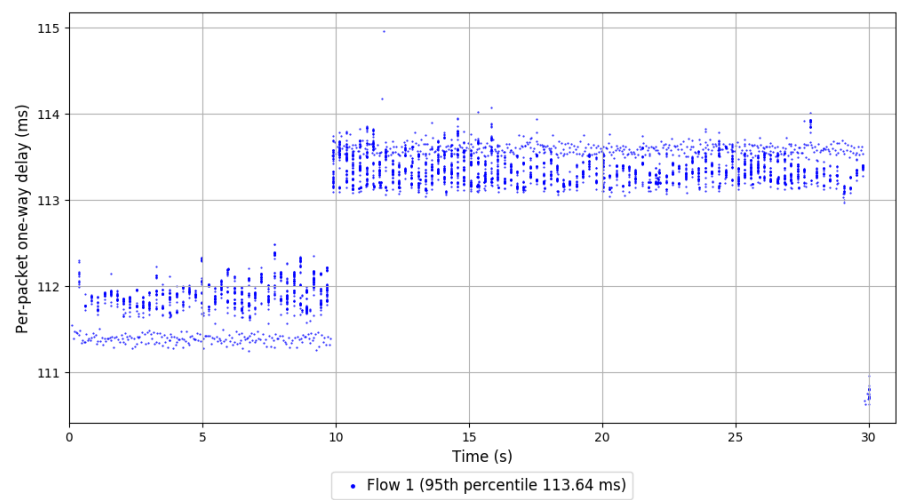
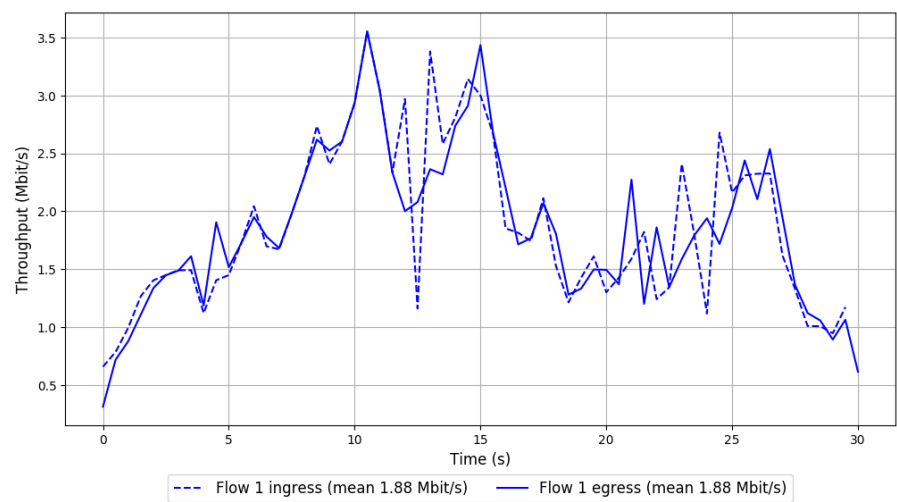
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 113.642 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

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

End at: 2018-02-16 01:18:39

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 115.324 ms

Loss rate: 0.00%

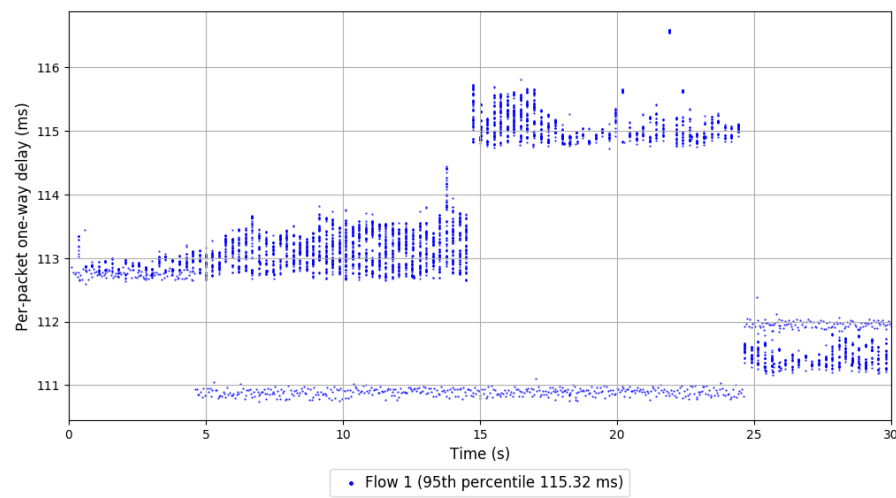
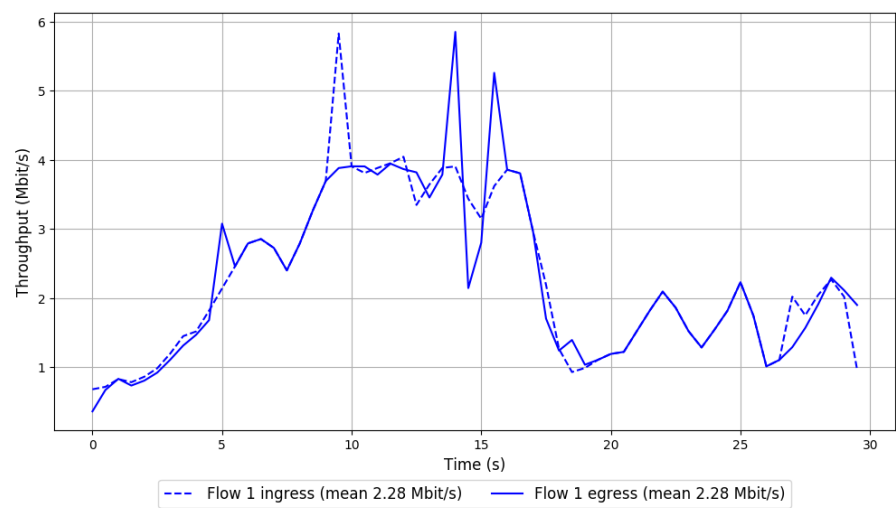
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 115.324 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-16 01:33:24

End at: 2018-02-16 01:33:54

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 115.023 ms

Loss rate: 0.00%

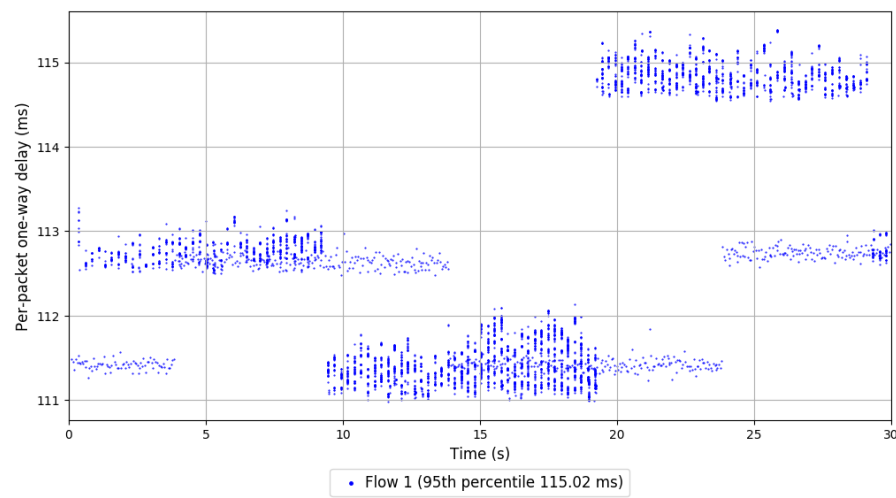
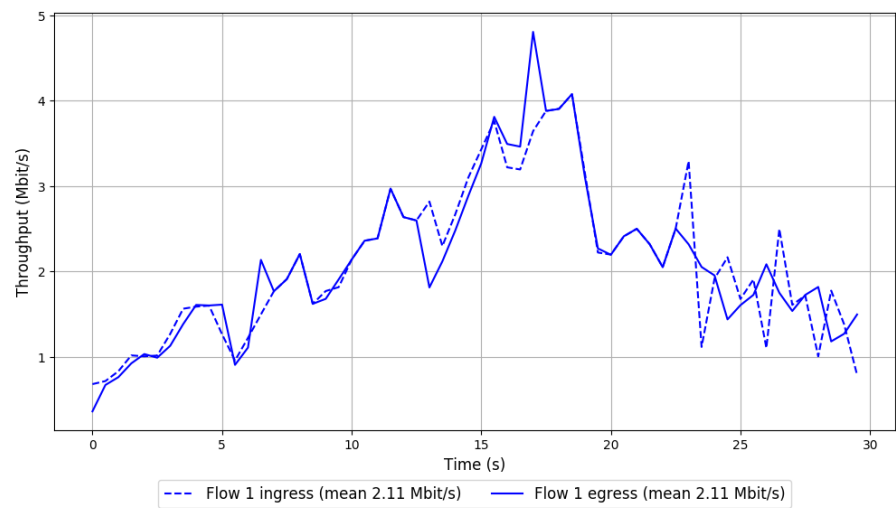
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 115.023 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-16 01:48:57

End at: 2018-02-16 01:49:27

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.01 Mbit/s

95th percentile per-packet one-way delay: 112.590 ms

Loss rate: 0.00%

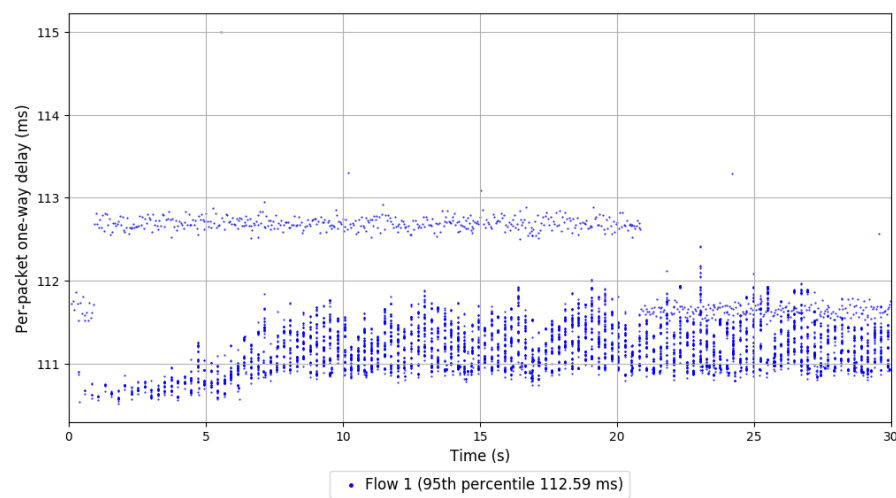
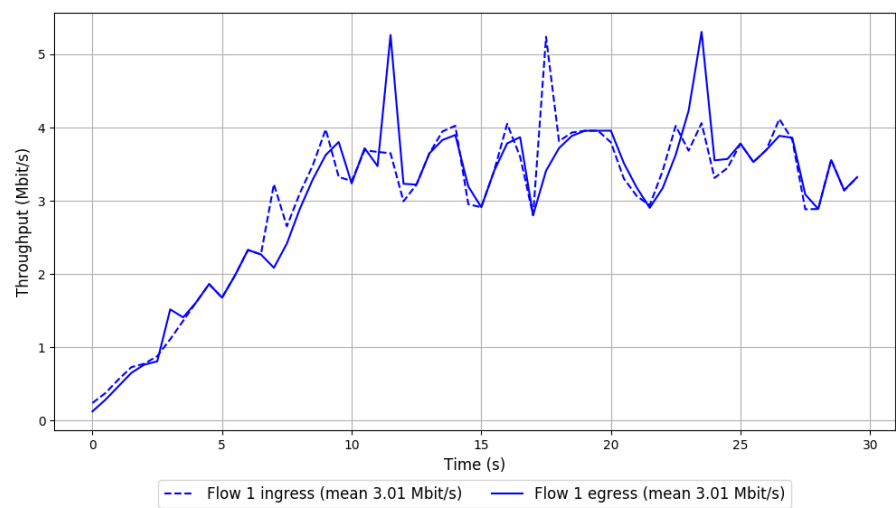
-- Flow 1:

Average throughput: 3.01 Mbit/s

95th percentile per-packet one-way delay: 112.590 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-16 02:04:34

End at: 2018-02-16 02:05:04

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.74 Mbit/s

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

Loss rate: 0.00%

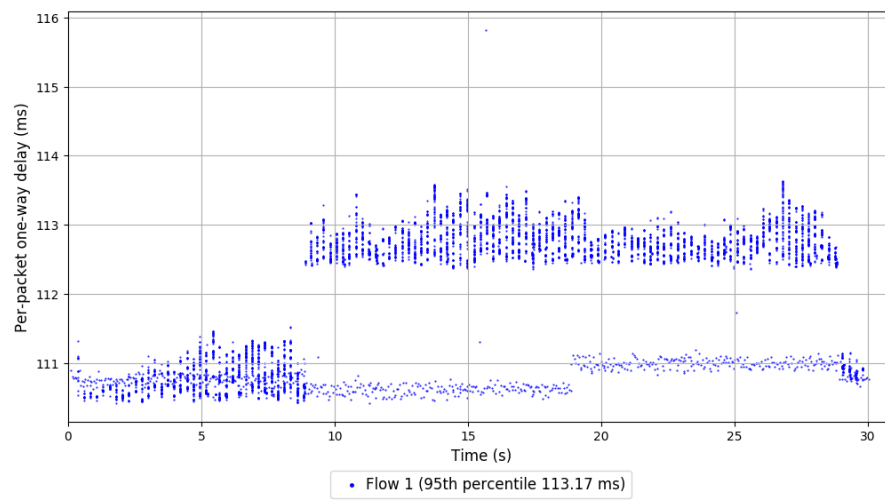
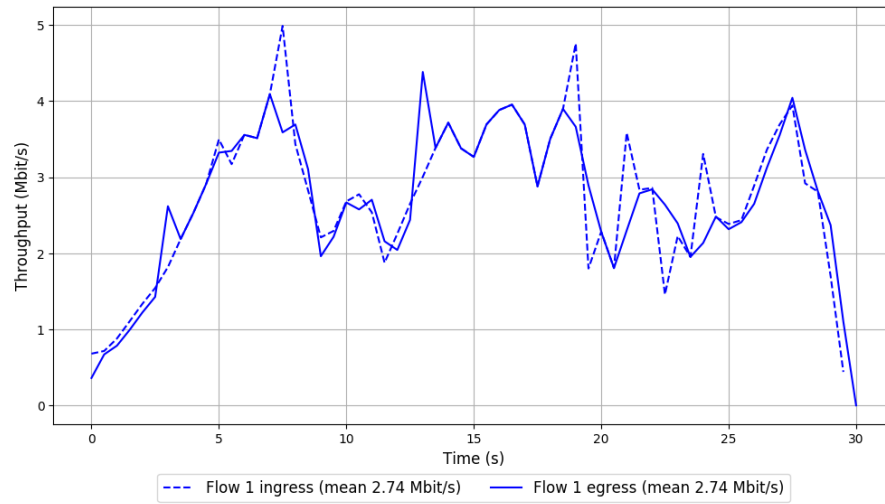
-- Flow 1:

Average throughput: 2.74 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-16 02:20:05

End at: 2018-02-16 02:20:35

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 112.515 ms

Loss rate: 0.00%

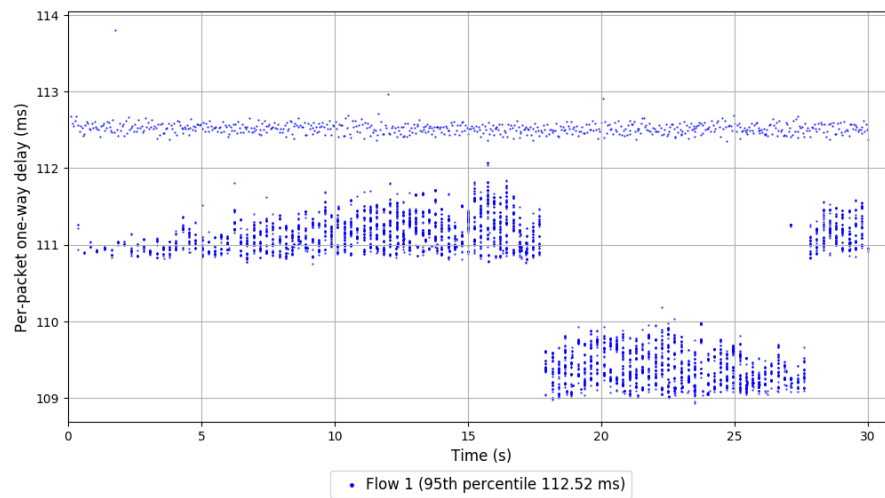
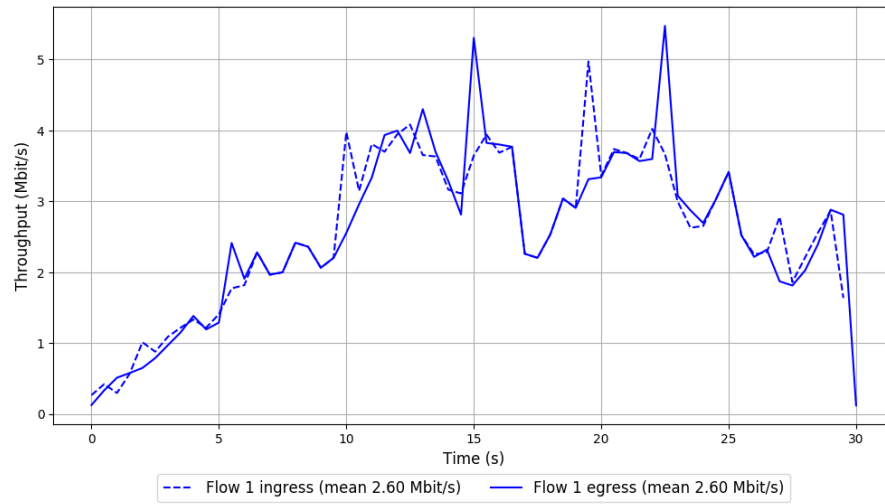
-- Flow 1:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 112.515 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-16 02:35:39

End at: 2018-02-16 02:36:09

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 111.566 ms

Loss rate: 0.00%

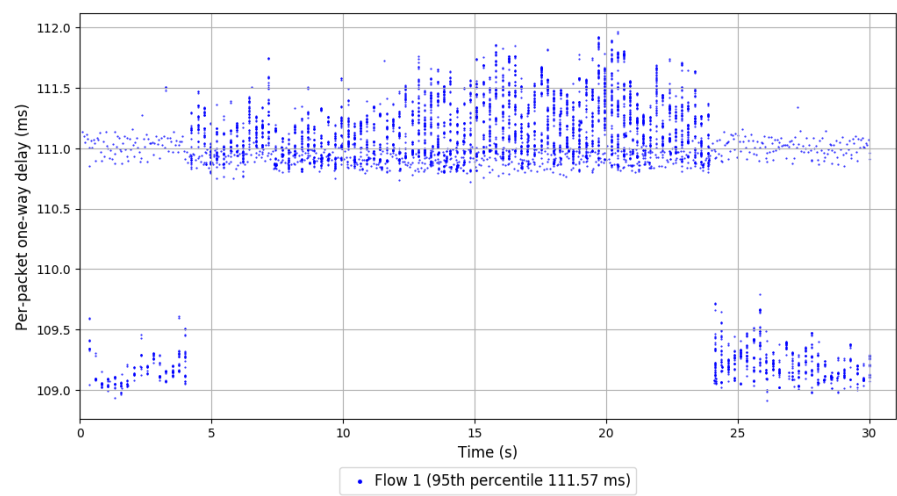
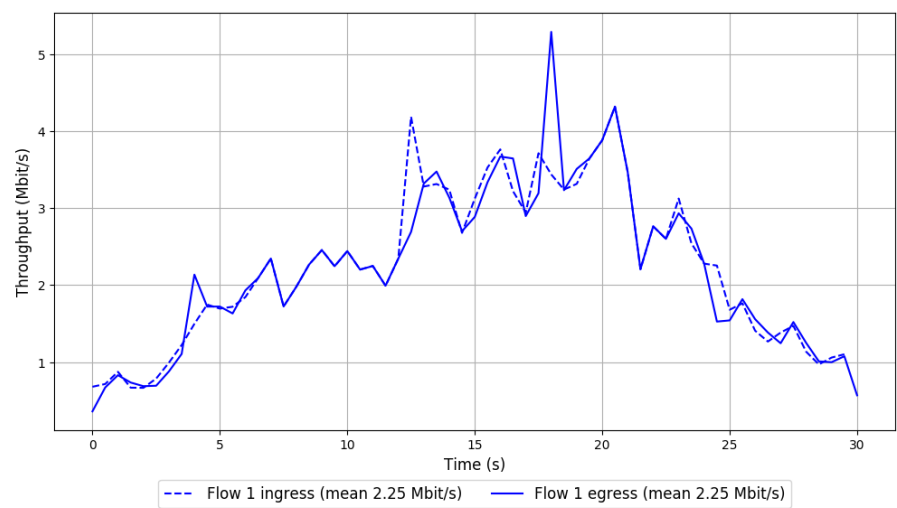
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 111.566 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-16 02:51:18

End at: 2018-02-16 02:51:48

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 113.434 ms

Loss rate: 0.00%

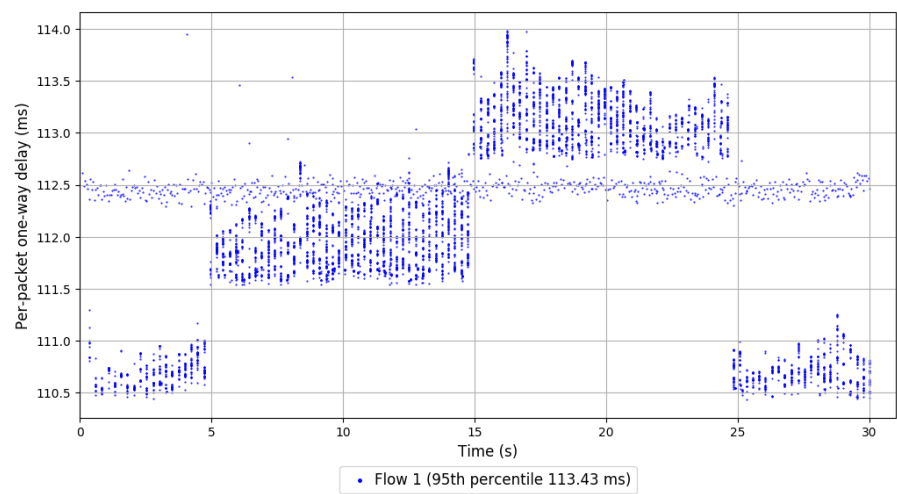
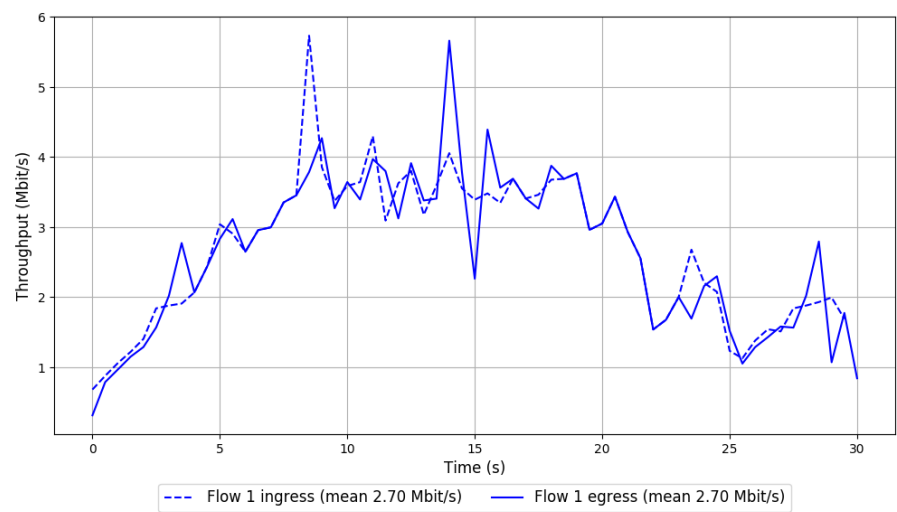
-- Flow 1:

Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 113.434 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-16 03:07:03

End at: 2018-02-16 03:07:33

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 113.212 ms

Loss rate: 0.00%

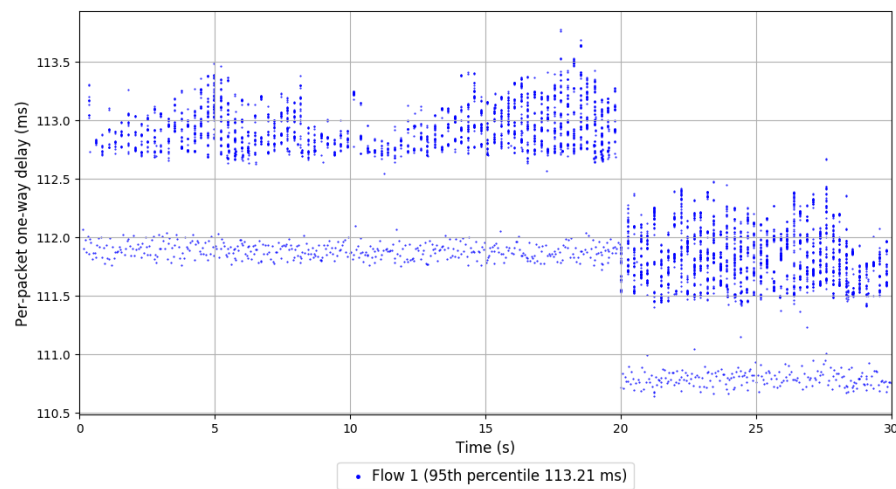
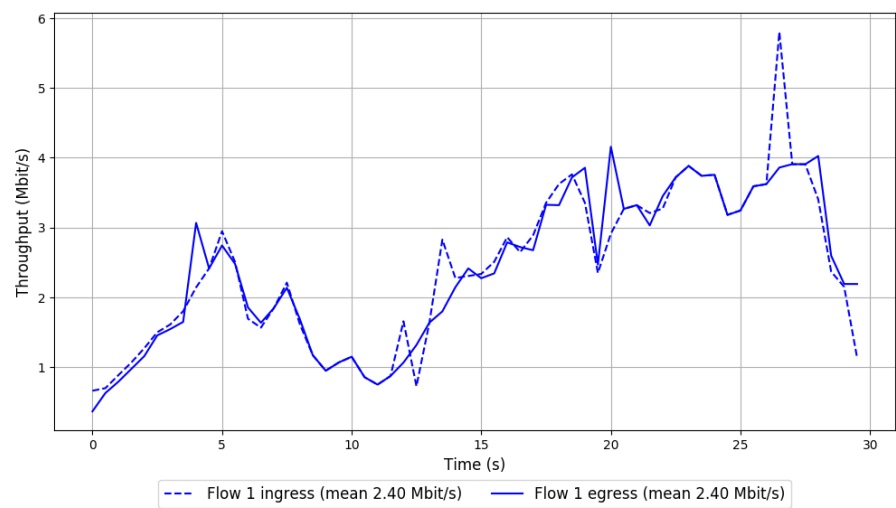
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 113.212 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

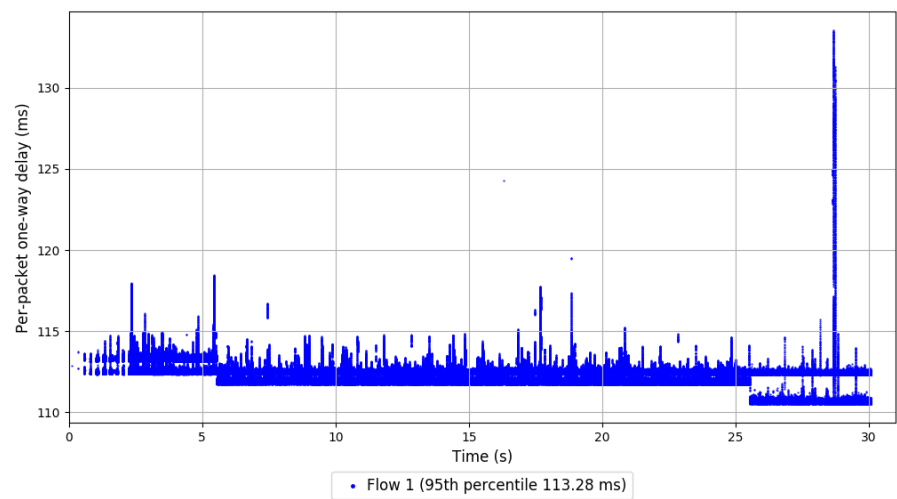
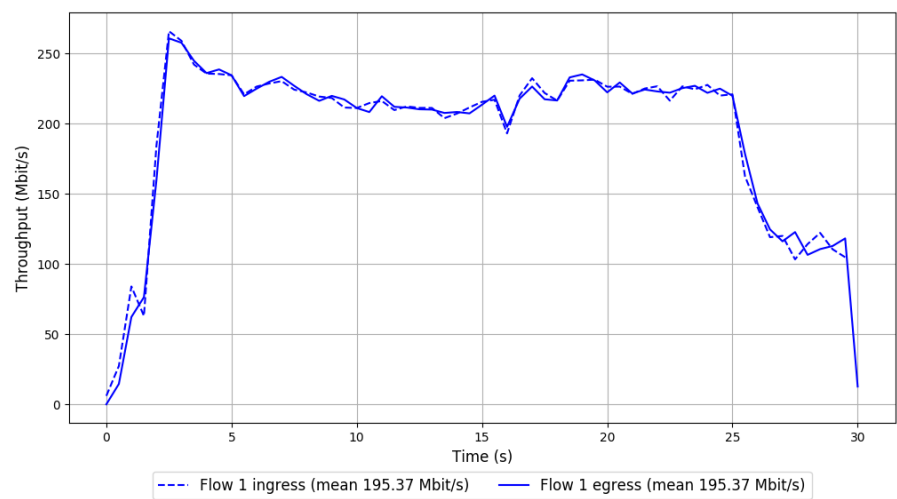


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 00:47:28
End at: 2018-02-16 00:47:58

# Below is generated by plot.py at 2018-02-16 04:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.37 Mbit/s
95th percentile per-packet one-way delay: 113.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.37 Mbit/s
95th percentile per-packet one-way delay: 113.279 ms
Loss rate: 0.00%
```

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

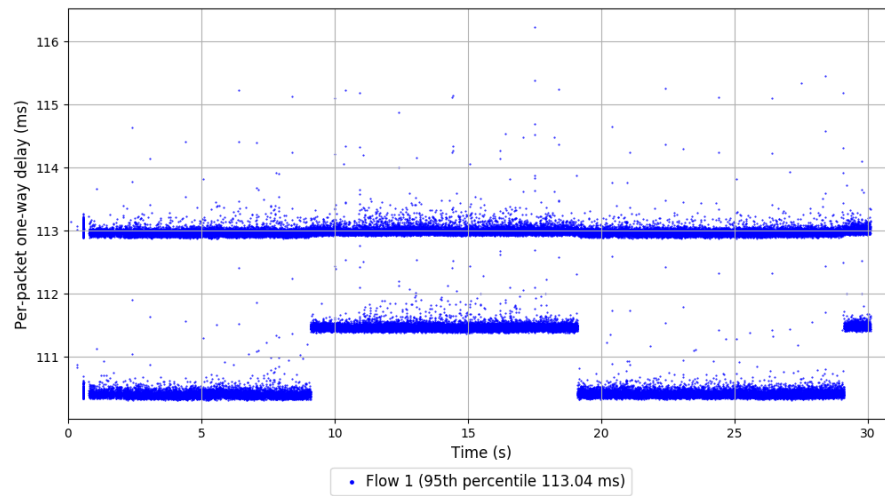
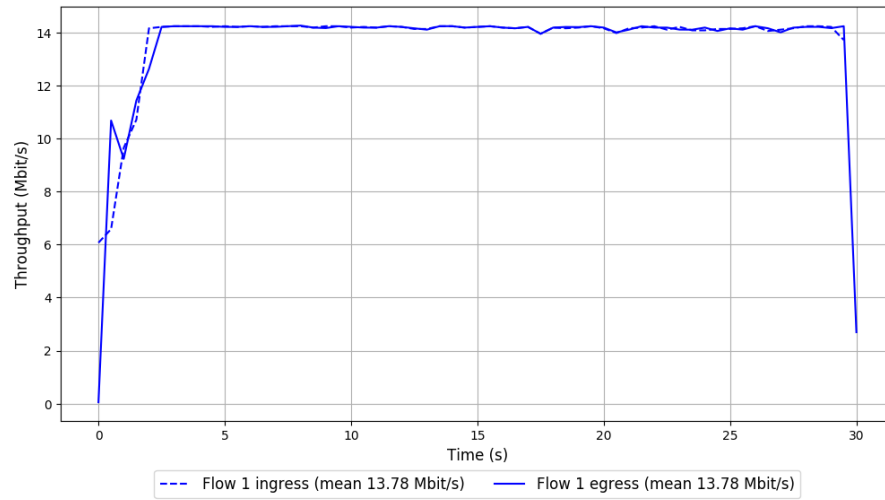


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 01:03:24
End at: 2018-02-16 01:03:54

# Below is generated by plot.py at 2018-02-16 04:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 113.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 113.039 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 01:18:49

End at: 2018-02-16 01:19:19

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 112.750 ms

Loss rate: 0.00%

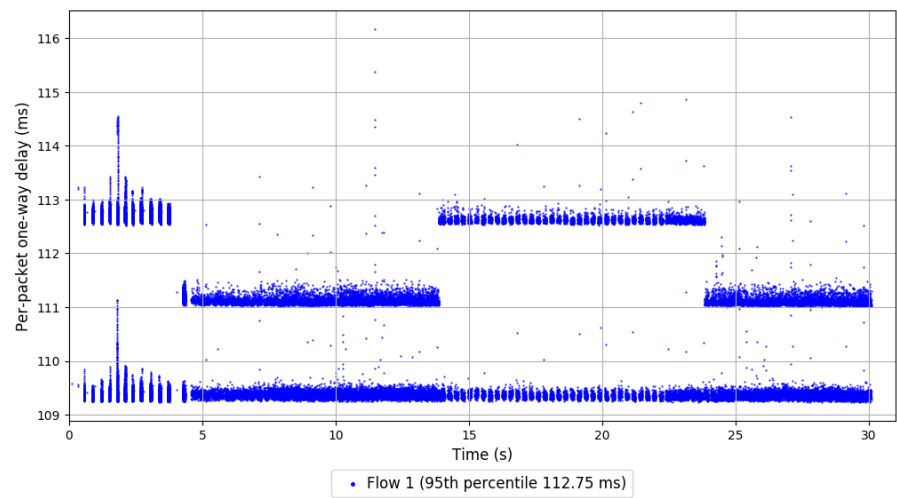
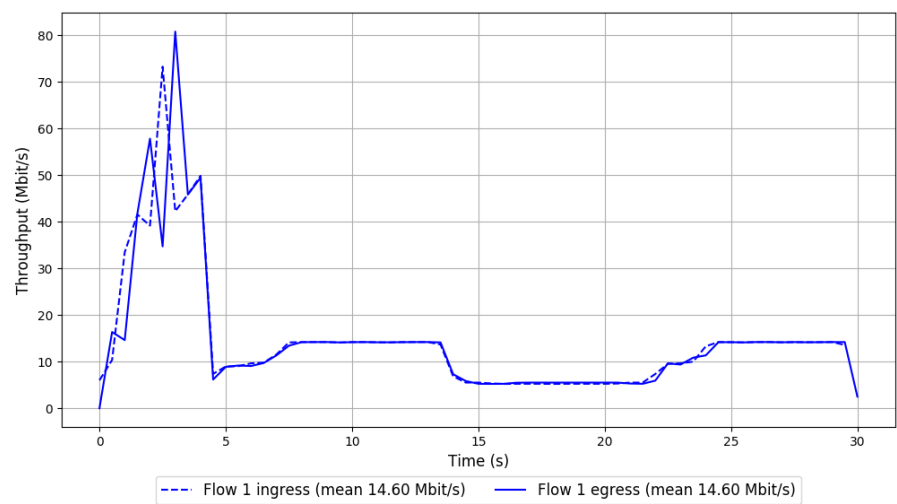
-- Flow 1:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 112.750 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 01:34:05

End at: 2018-02-16 01:34:35

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.77 Mbit/s

95th percentile per-packet one-way delay: 112.982 ms

Loss rate: 0.00%

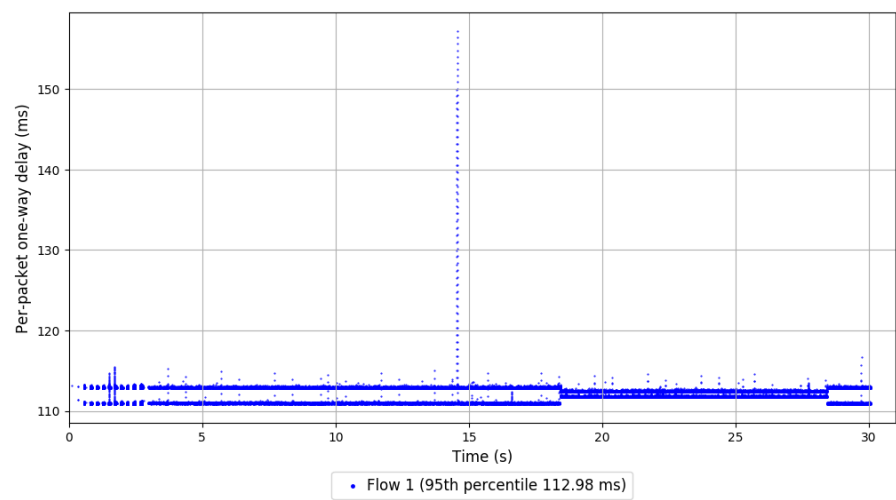
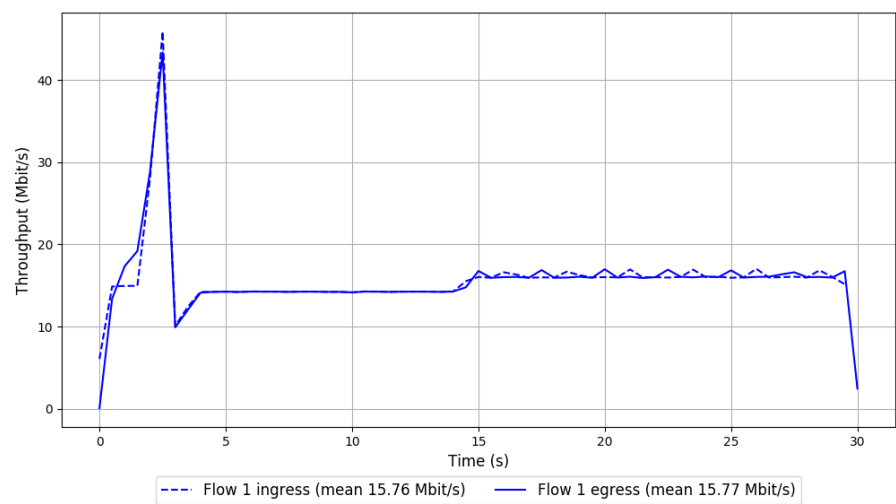
-- Flow 1:

Average throughput: 15.77 Mbit/s

95th percentile per-packet one-way delay: 112.982 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 01:49:38

End at: 2018-02-16 01:50:08

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.07 Mbit/s

95th percentile per-packet one-way delay: 112.604 ms

Loss rate: 0.00%

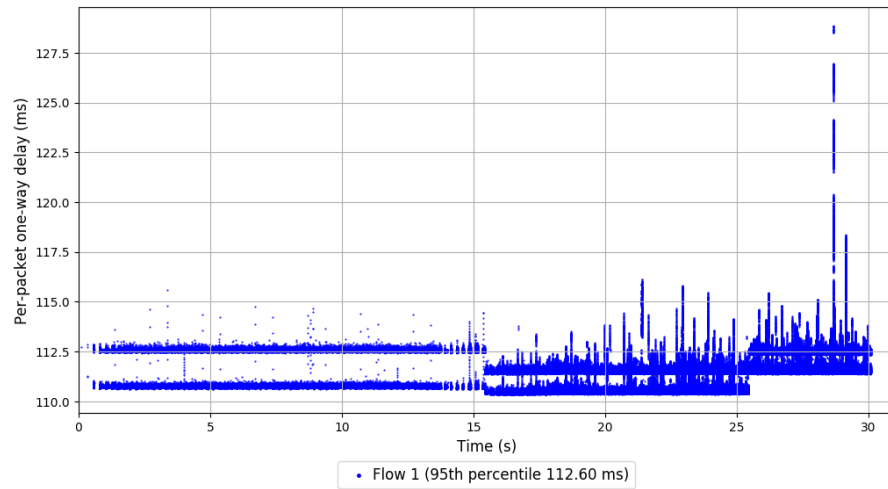
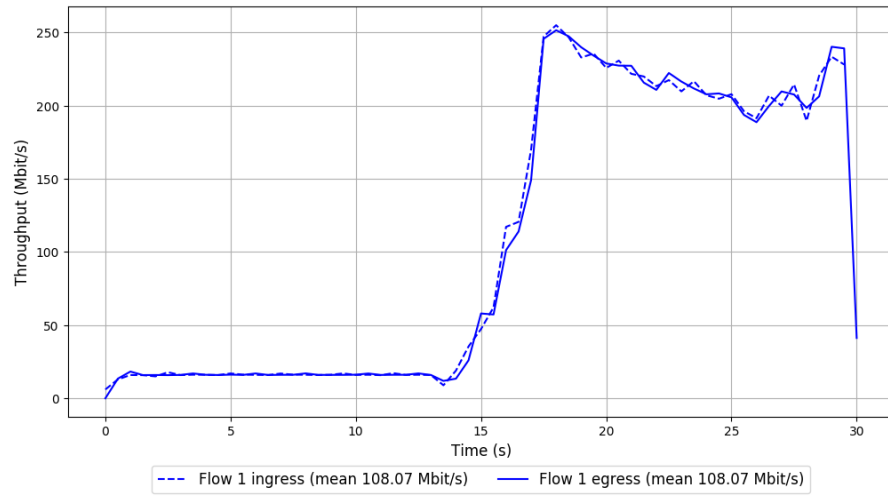
-- Flow 1:

Average throughput: 108.07 Mbit/s

95th percentile per-packet one-way delay: 112.604 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 02:05:15

End at: 2018-02-16 02:05:45

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.01 Mbit/s

95th percentile per-packet one-way delay: 110.948 ms

Loss rate: 0.00%

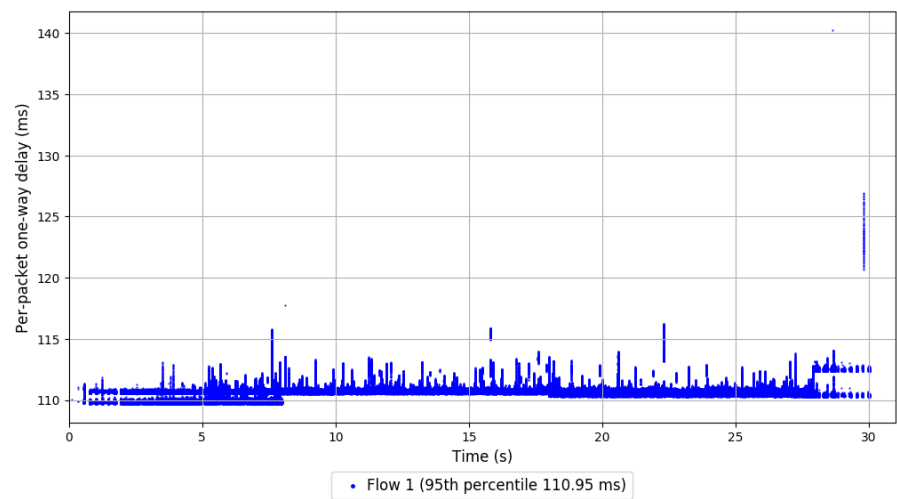
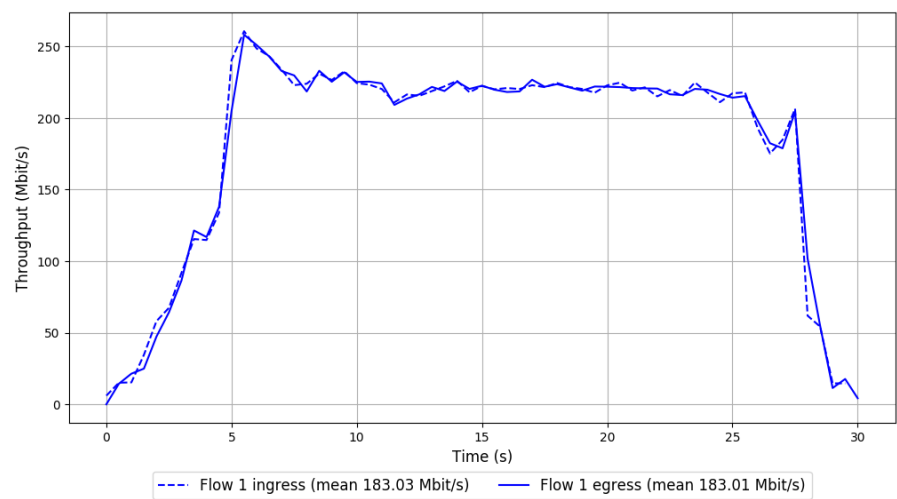
-- Flow 1:

Average throughput: 183.01 Mbit/s

95th percentile per-packet one-way delay: 110.948 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 02:20:46

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

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 112.525 ms

Loss rate: 0.00%

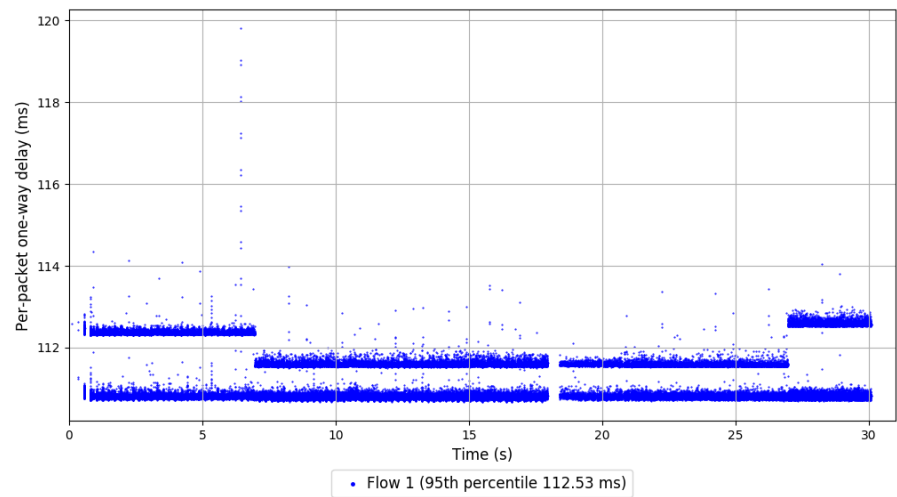
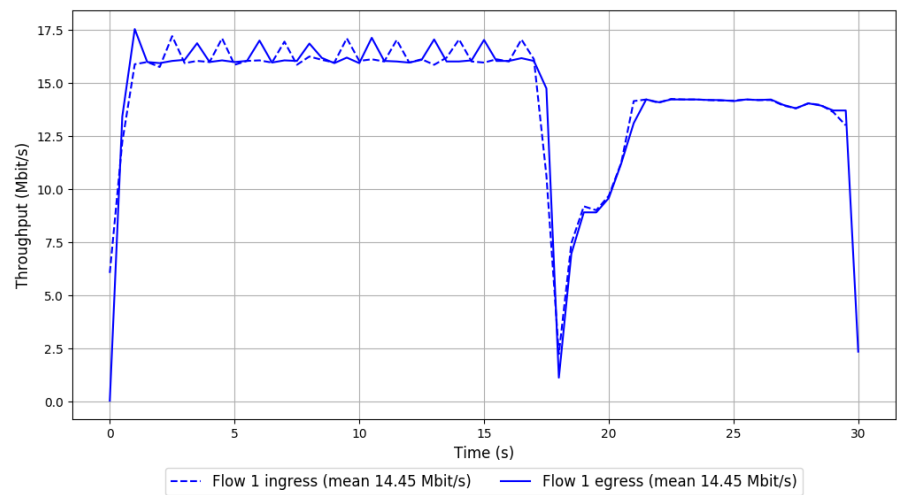
-- Flow 1:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 112.525 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 02:36:20

End at: 2018-02-16 02:36:50

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.23 Mbit/s

95th percentile per-packet one-way delay: 111.101 ms

Loss rate: 0.00%

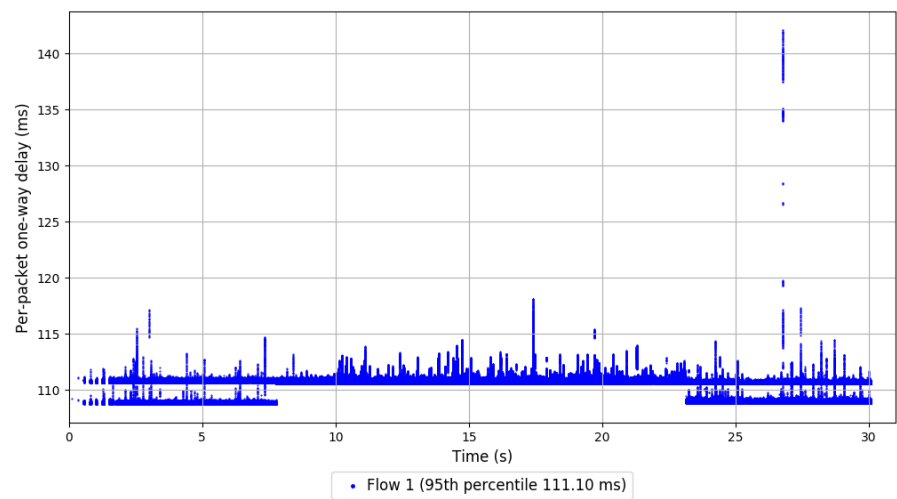
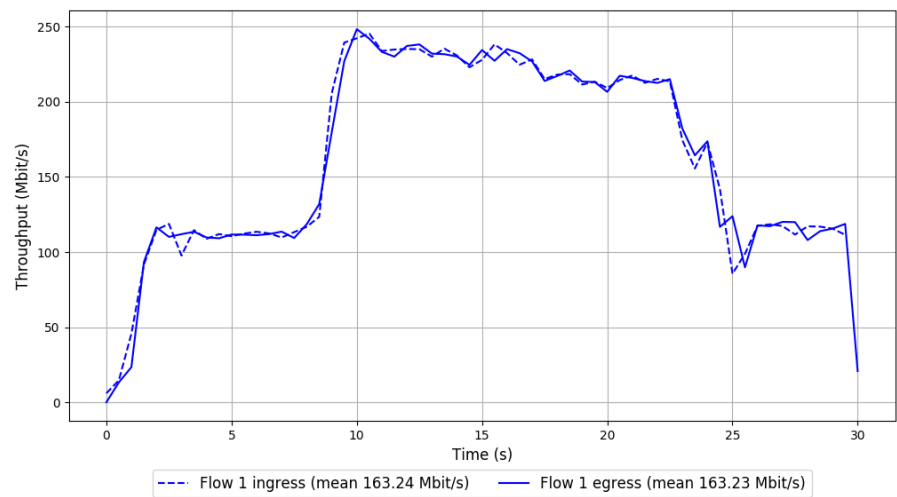
-- Flow 1:

Average throughput: 163.23 Mbit/s

95th percentile per-packet one-way delay: 111.101 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 02:51:59

End at: 2018-02-16 02:52:29

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.20 Mbit/s

95th percentile per-packet one-way delay: 112.765 ms

Loss rate: 0.00%

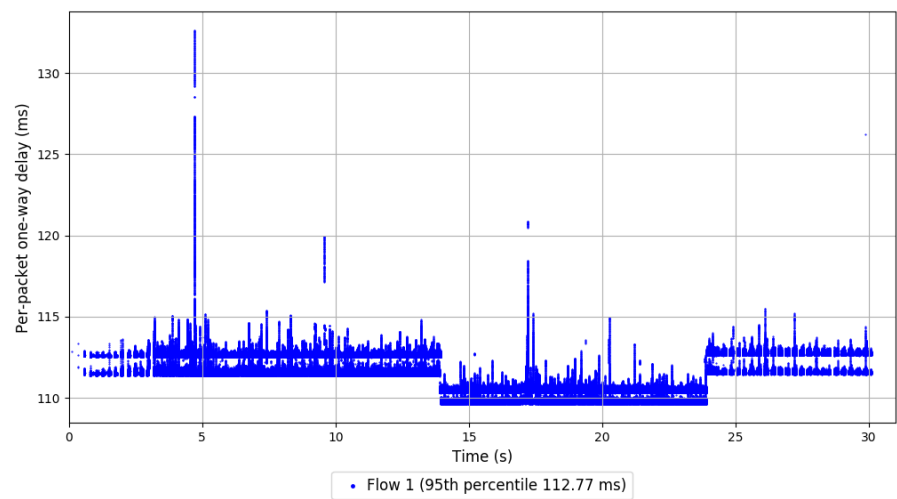
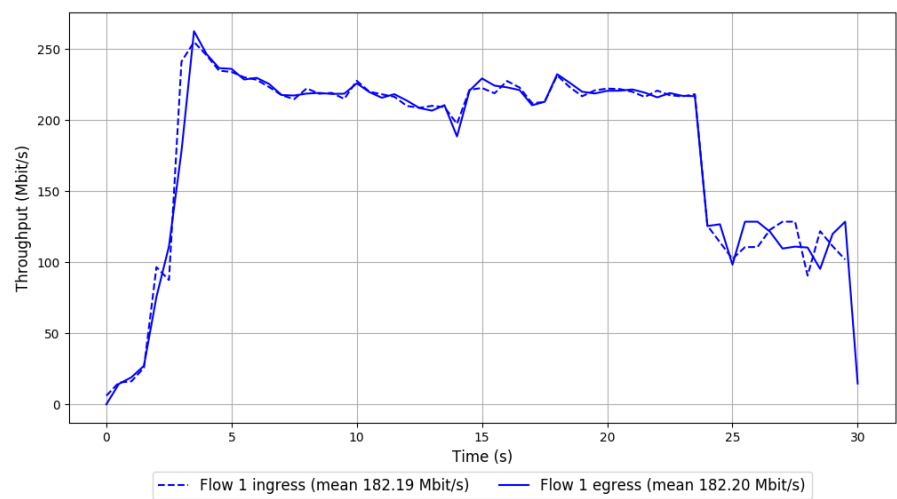
-- Flow 1:

Average throughput: 182.20 Mbit/s

95th percentile per-packet one-way delay: 112.765 ms

Loss rate: 0.00%

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

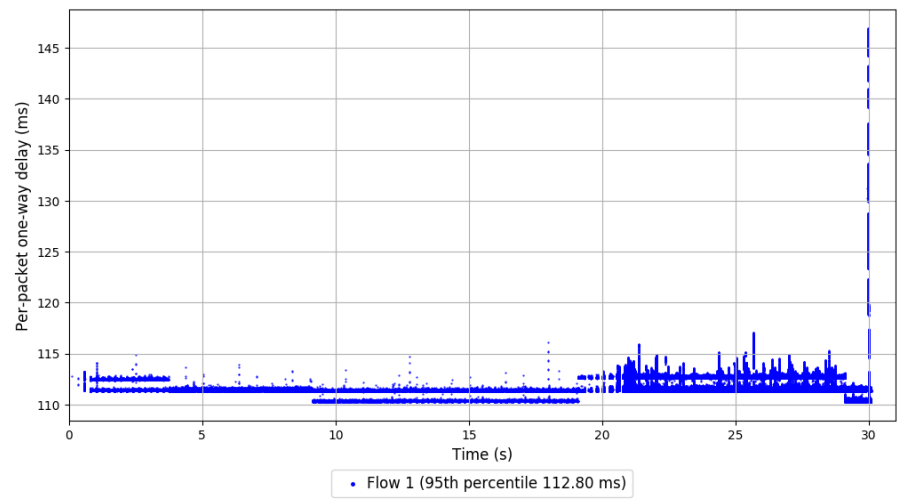
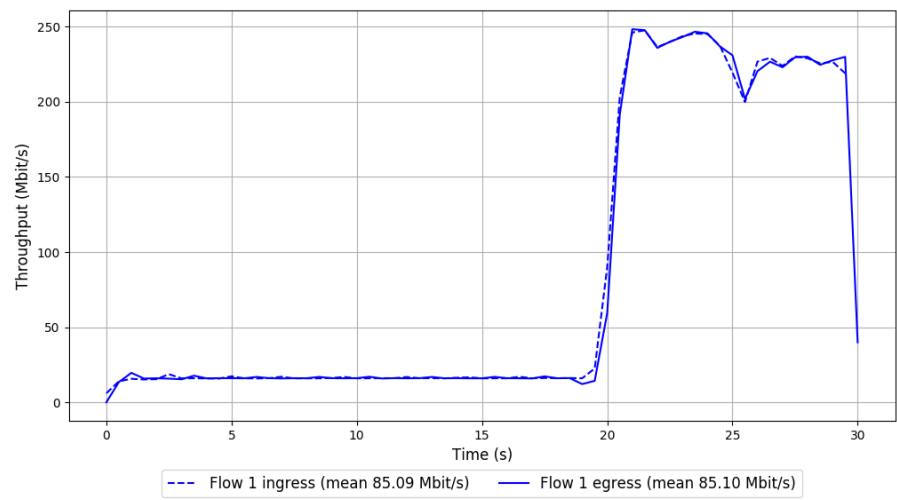


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 03:07:44
End at: 2018-02-16 03:08:14

# Below is generated by plot.py at 2018-02-16 04:54:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 112.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 112.804 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 00:48:27

End at: 2018-02-16 00:48:57

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.65 Mbit/s

95th percentile per-packet one-way delay: 119.514 ms

Loss rate: 0.07%

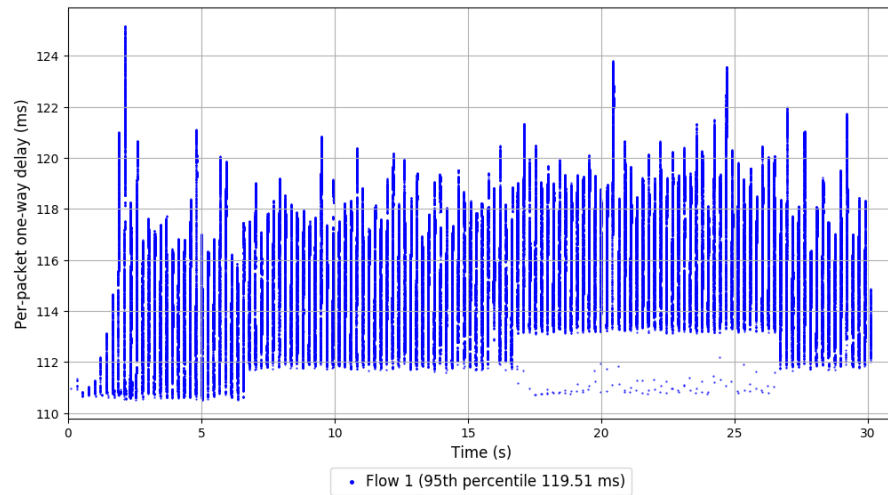
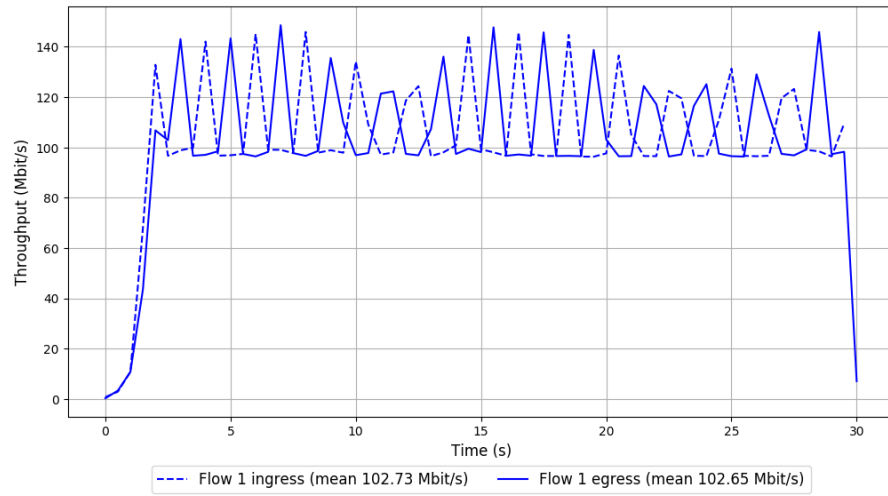
-- Flow 1:

Average throughput: 102.65 Mbit/s

95th percentile per-packet one-way delay: 119.514 ms

Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 01:04:07

End at: 2018-02-16 01:04:37

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.58 Mbit/s

95th percentile per-packet one-way delay: 115.779 ms

Loss rate: 0.00%

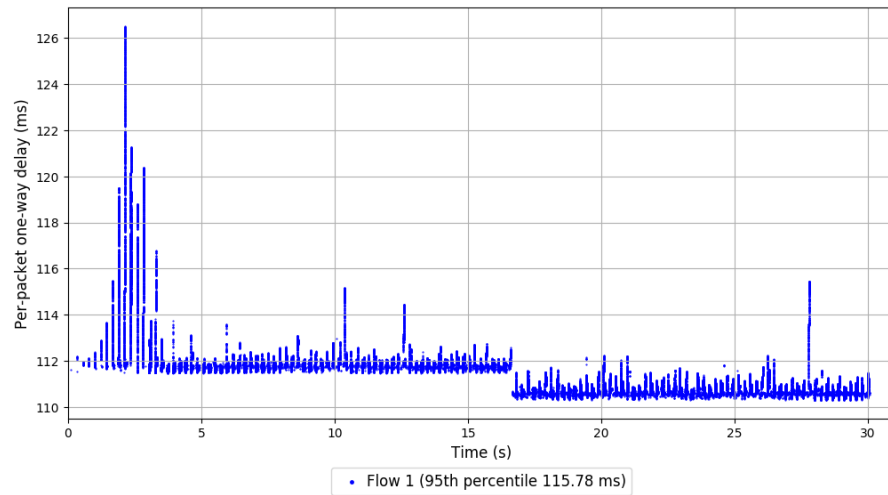
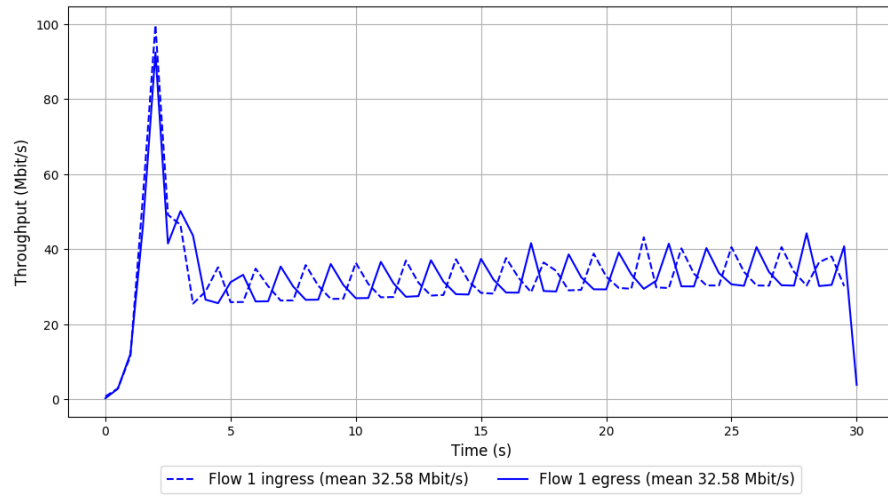
-- Flow 1:

Average throughput: 32.58 Mbit/s

95th percentile per-packet one-way delay: 115.779 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 01:19:32

End at: 2018-02-16 01:20:02

Below is generated by plot.py at 2018-02-16 04:54:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.22 Mbit/s

95th percentile per-packet one-way delay: 116.414 ms

Loss rate: 0.00%

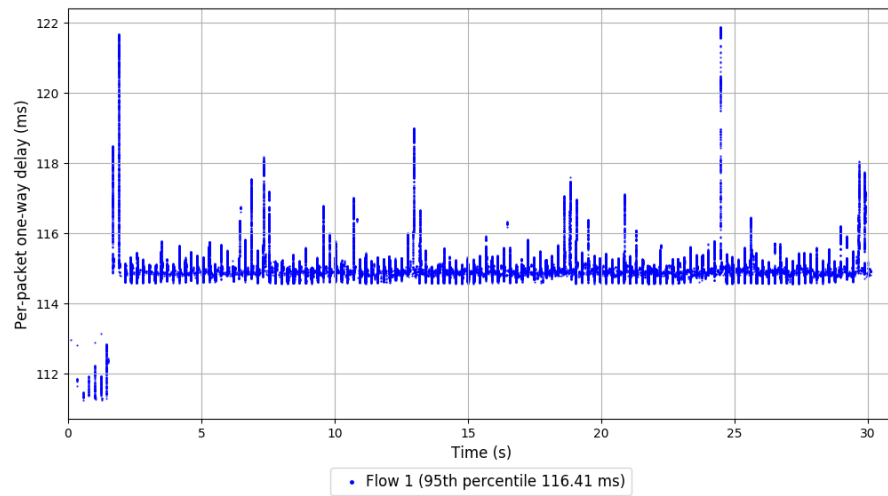
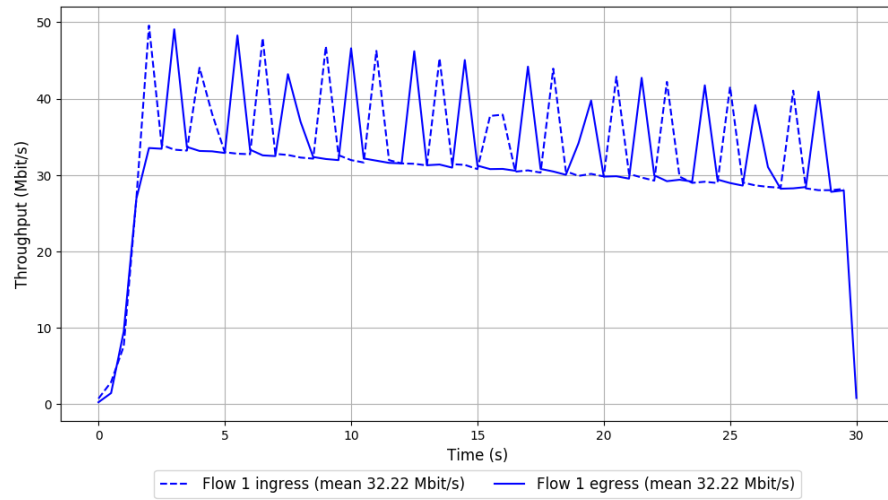
-- Flow 1:

Average throughput: 32.22 Mbit/s

95th percentile per-packet one-way delay: 116.414 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 01:34:47

End at: 2018-02-16 01:35:17

Below is generated by plot.py at 2018-02-16 04:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.62 Mbit/s

95th percentile per-packet one-way delay: 115.088 ms

Loss rate: 0.00%

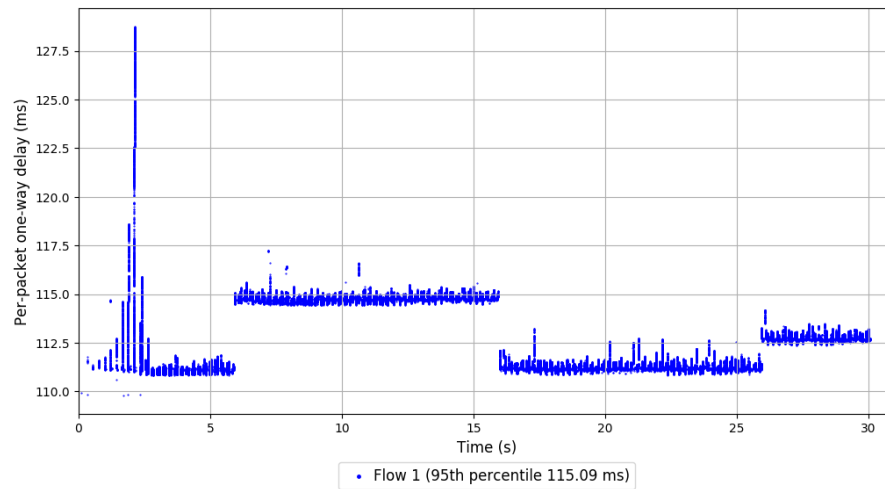
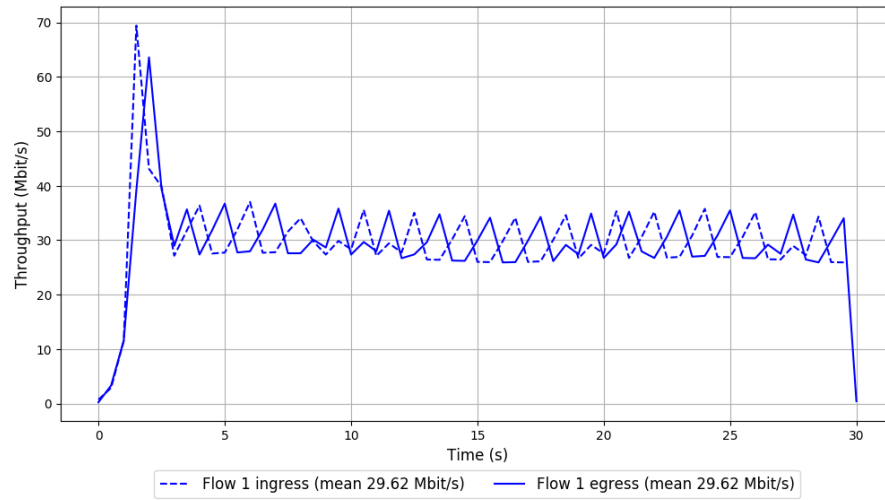
-- Flow 1:

Average throughput: 29.62 Mbit/s

95th percentile per-packet one-way delay: 115.088 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 01:50:29

End at: 2018-02-16 01:50:59

Below is generated by plot.py at 2018-02-16 04:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.78 Mbit/s

95th percentile per-packet one-way delay: 112.367 ms

Loss rate: 0.00%

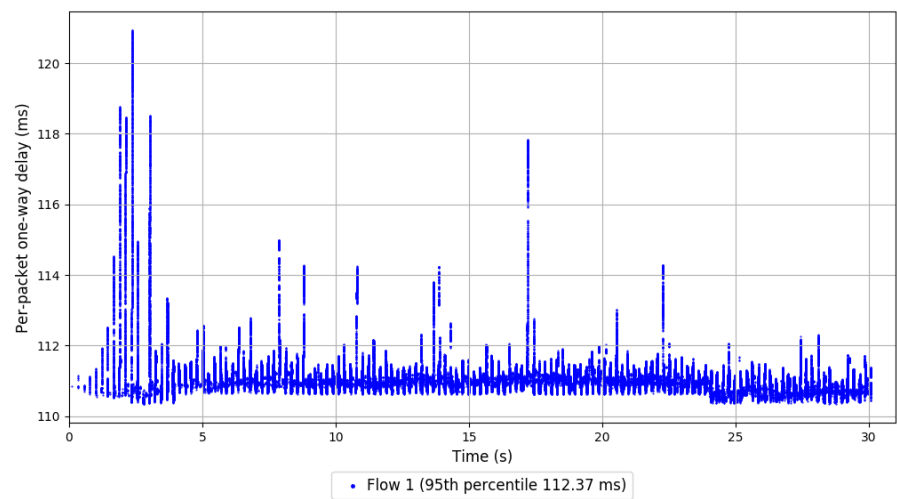
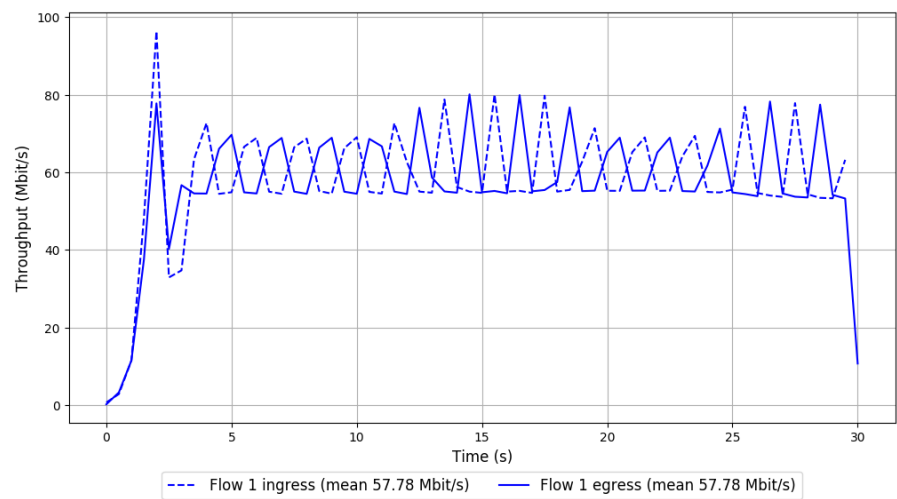
-- Flow 1:

Average throughput: 57.78 Mbit/s

95th percentile per-packet one-way delay: 112.367 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 02:06:13

End at: 2018-02-16 02:06:43

Below is generated by plot.py at 2018-02-16 04:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 113.995 ms

Loss rate: 0.00%

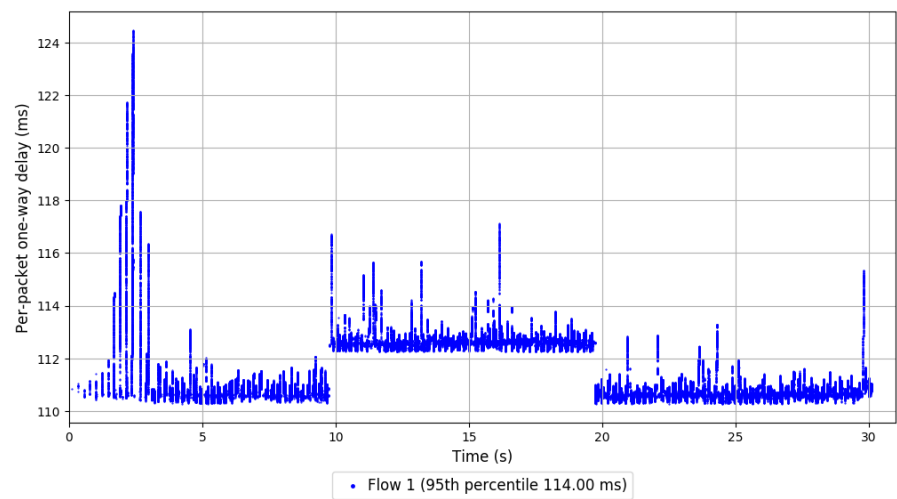
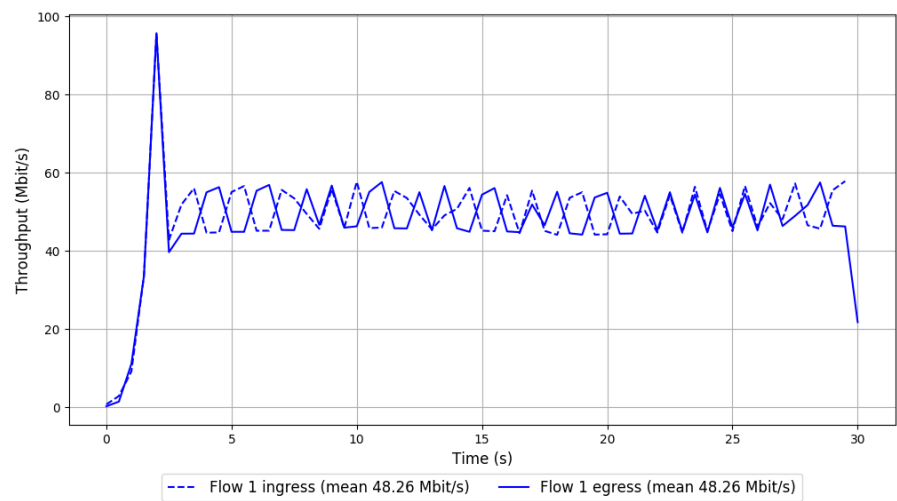
-- Flow 1:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 113.995 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 02:21:29

End at: 2018-02-16 02:21:59

Below is generated by plot.py at 2018-02-16 04:54:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.55 Mbit/s

95th percentile per-packet one-way delay: 117.153 ms

Loss rate: 0.00%

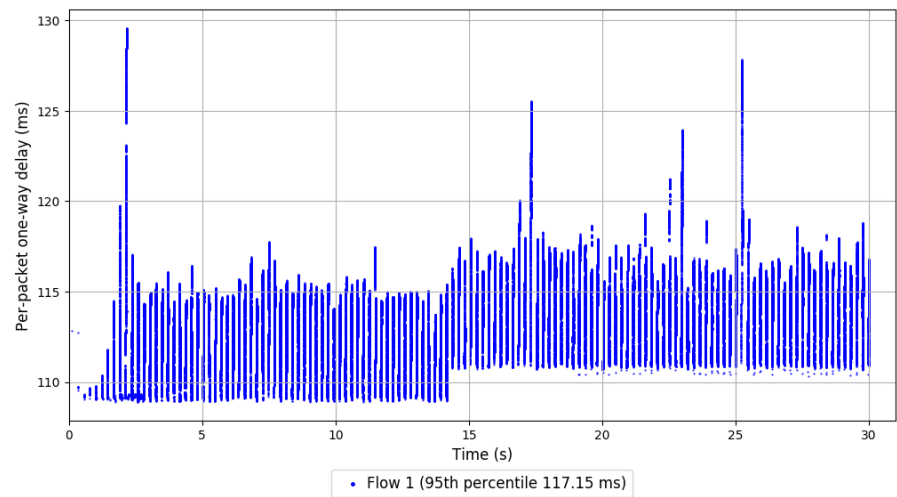
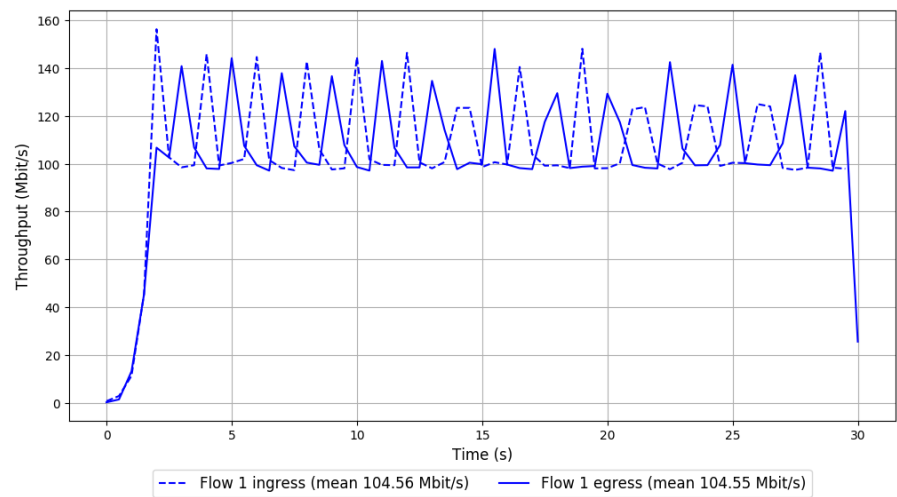
-- Flow 1:

Average throughput: 104.55 Mbit/s

95th percentile per-packet one-way delay: 117.153 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 02:37:16

End at: 2018-02-16 02:37:46

Below is generated by plot.py at 2018-02-16 04:54:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 112.057 ms

Loss rate: 0.00%

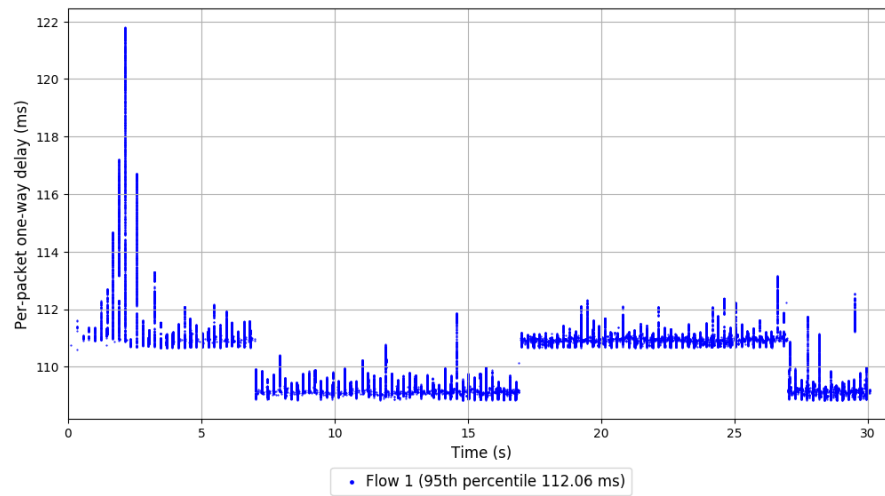
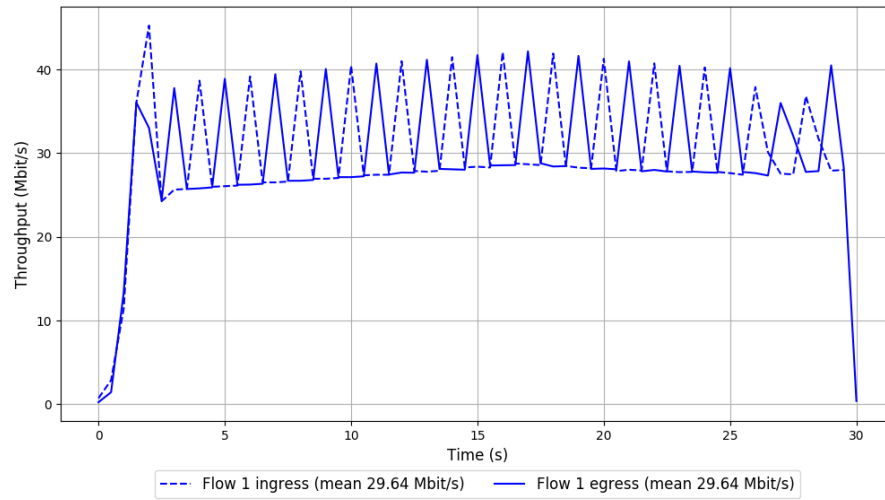
-- Flow 1:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 112.057 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 02:52:57

End at: 2018-02-16 02:53:27

Below is generated by plot.py at 2018-02-16 04:54:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.67 Mbit/s

95th percentile per-packet one-way delay: 113.490 ms

Loss rate: 0.00%

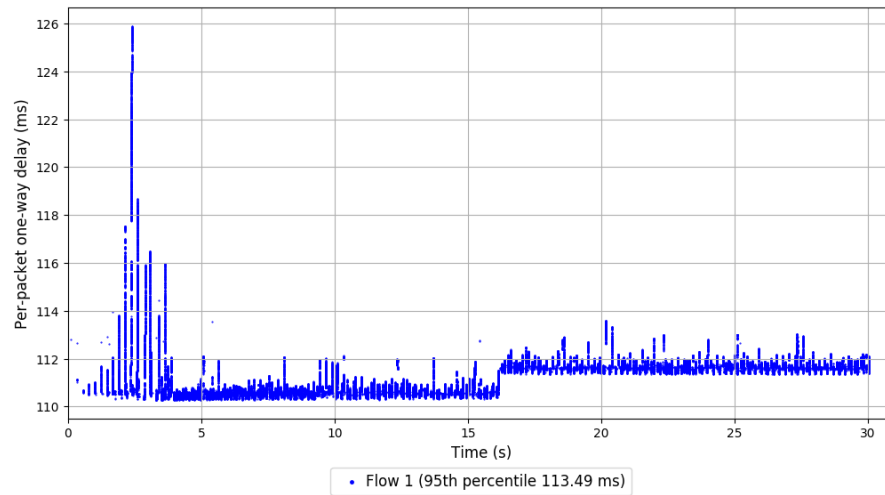
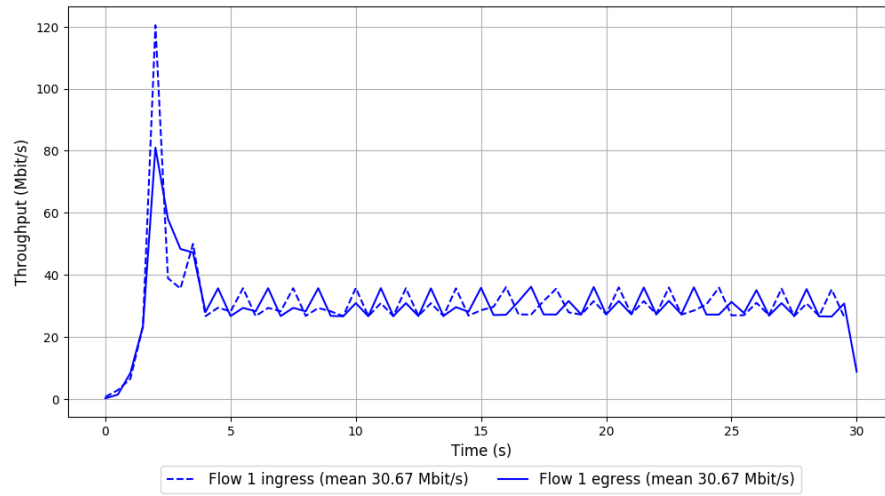
-- Flow 1:

Average throughput: 30.67 Mbit/s

95th percentile per-packet one-way delay: 113.490 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 03:08:33

End at: 2018-02-16 03:09:03

Below is generated by plot.py at 2018-02-16 04:54:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.83 Mbit/s

95th percentile per-packet one-way delay: 119.050 ms

Loss rate: 0.00%

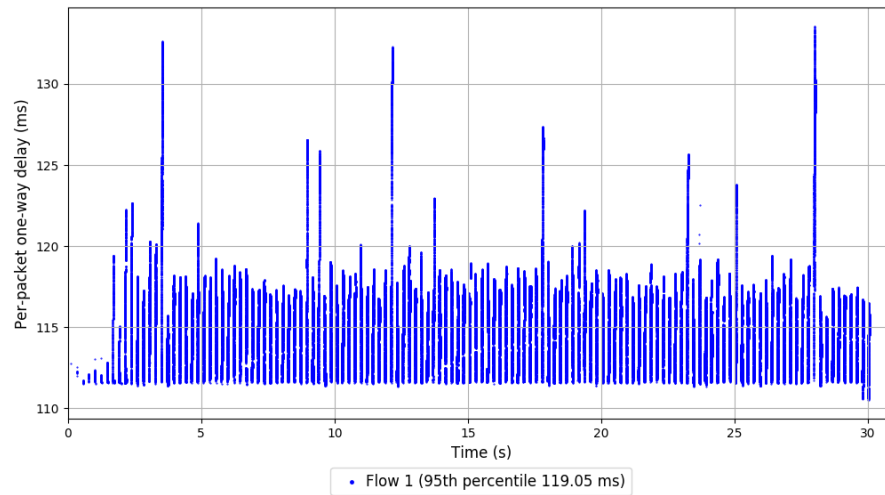
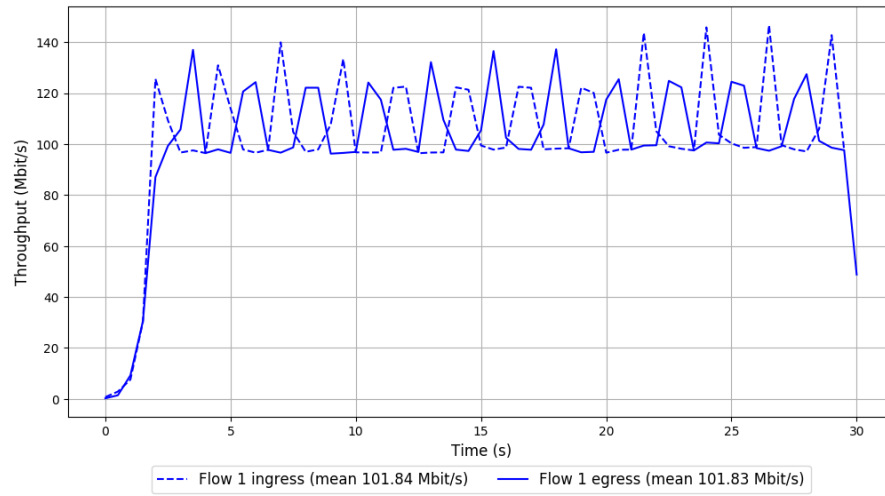
-- Flow 1:

Average throughput: 101.83 Mbit/s

95th percentile per-packet one-way delay: 119.050 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-16 00:45:10

End at: 2018-02-16 00:45:40

Below is generated by plot.py at 2018-02-16 04:54:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.40 Mbit/s

95th percentile per-packet one-way delay: 154.309 ms

Loss rate: 0.00%

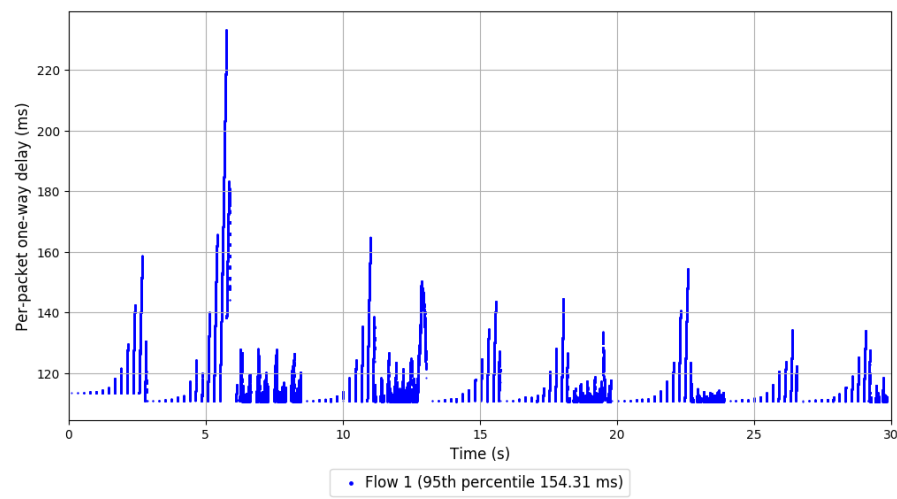
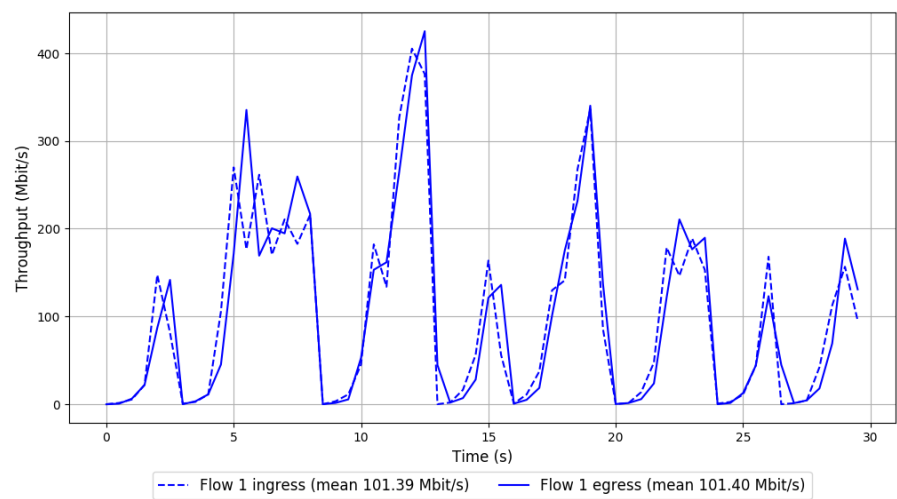
-- Flow 1:

Average throughput: 101.40 Mbit/s

95th percentile per-packet one-way delay: 154.309 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-16 01:00:58

End at: 2018-02-16 01:01:28

Below is generated by plot.py at 2018-02-16 04:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.61 Mbit/s

95th percentile per-packet one-way delay: 178.128 ms

Loss rate: 0.00%

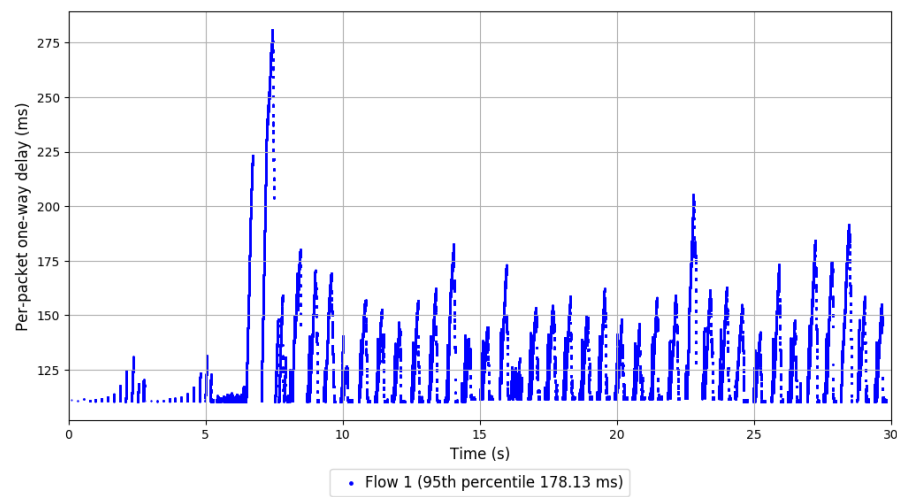
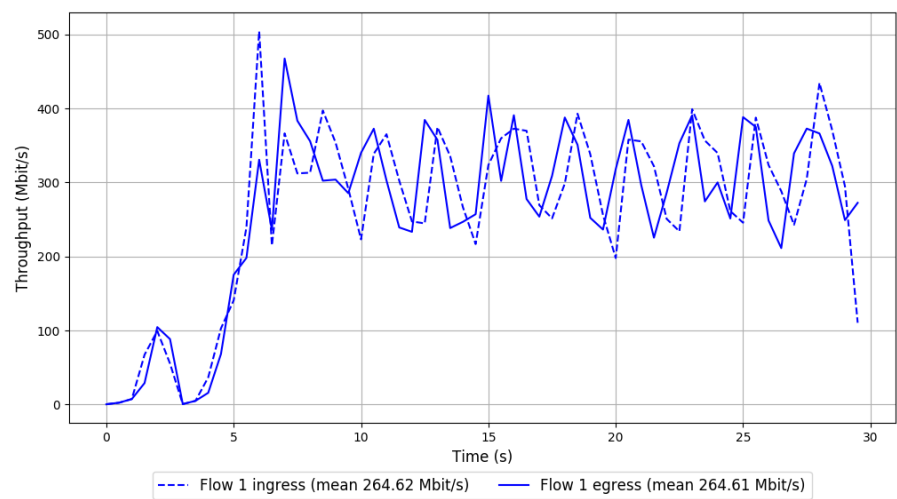
-- Flow 1:

Average throughput: 264.61 Mbit/s

95th percentile per-packet one-way delay: 178.128 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-16 01:16:29

End at: 2018-02-16 01:16:59

Below is generated by plot.py at 2018-02-16 04:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.75 Mbit/s

95th percentile per-packet one-way delay: 213.054 ms

Loss rate: 1.76%

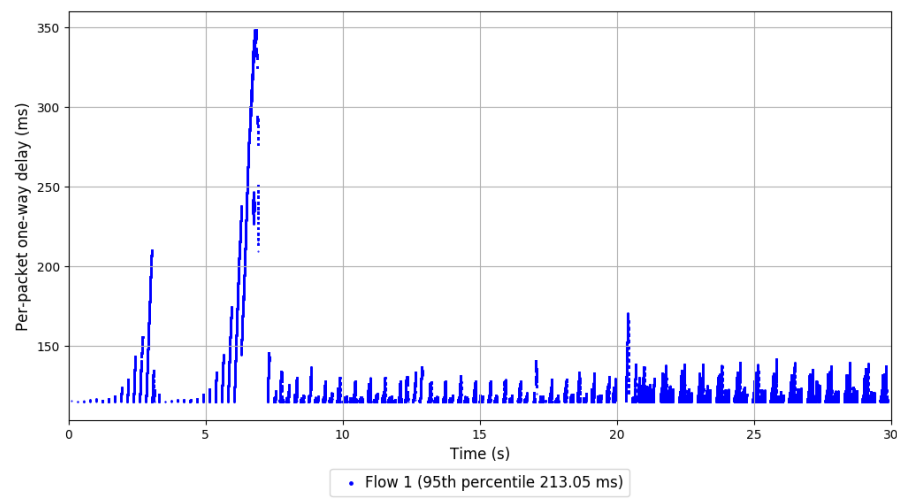
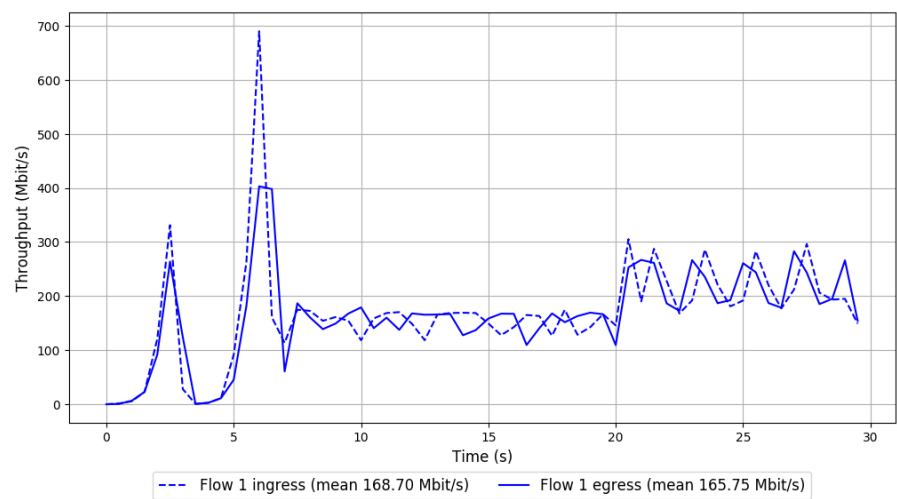
-- Flow 1:

Average throughput: 165.75 Mbit/s

95th percentile per-packet one-way delay: 213.054 ms

Loss rate: 1.76%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-16 01:31:44

End at: 2018-02-16 01:32:14

Below is generated by plot.py at 2018-02-16 04:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.46 Mbit/s

95th percentile per-packet one-way delay: 159.418 ms

Loss rate: 0.00%

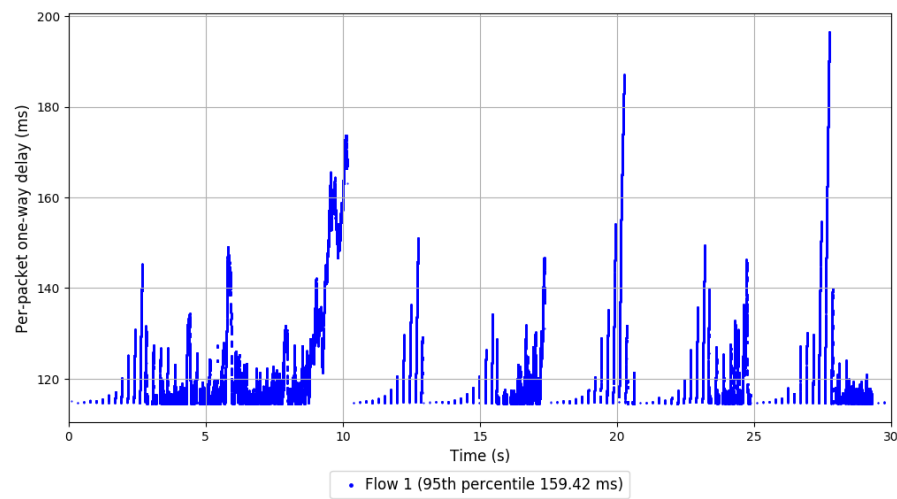
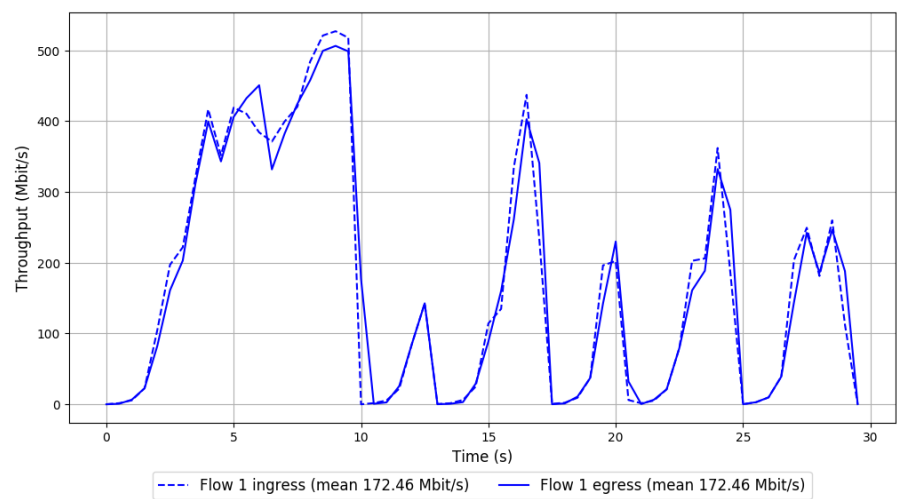
-- Flow 1:

Average throughput: 172.46 Mbit/s

95th percentile per-packet one-way delay: 159.418 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-16 01:47:16

End at: 2018-02-16 01:47:46

Below is generated by plot.py at 2018-02-16 04:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.71 Mbit/s

95th percentile per-packet one-way delay: 150.624 ms

Loss rate: 0.00%

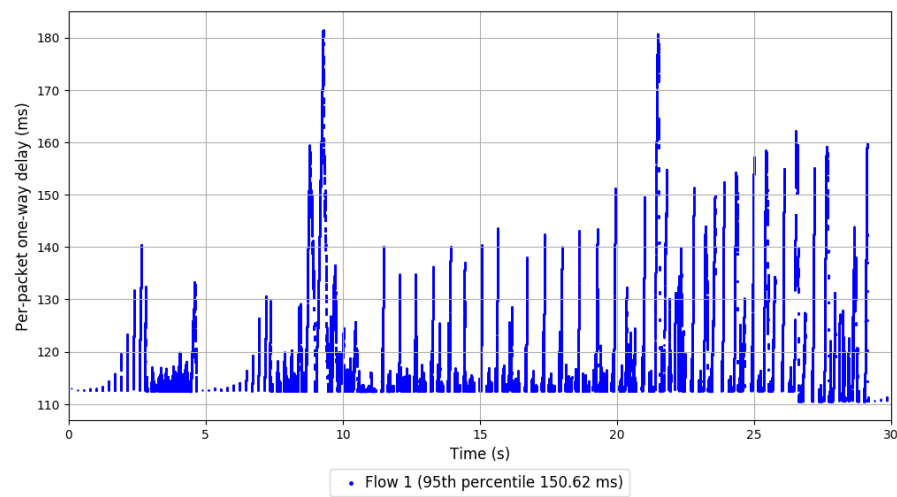
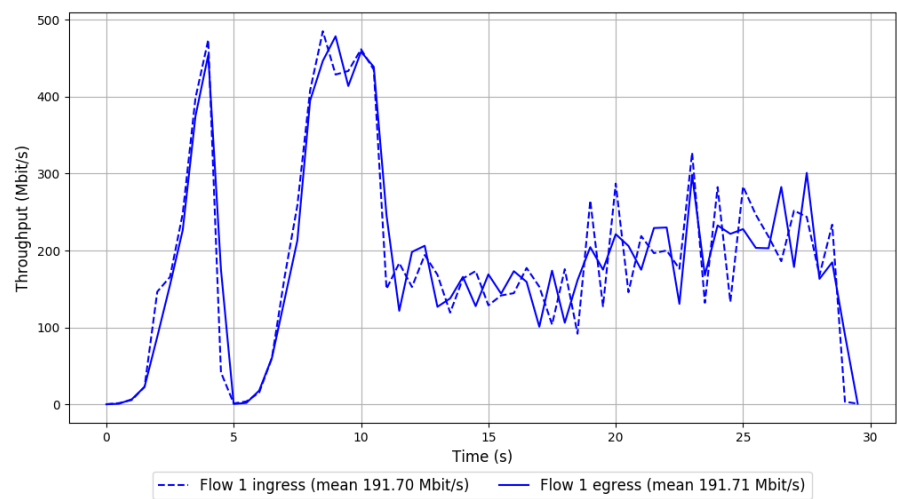
-- Flow 1:

Average throughput: 191.71 Mbit/s

95th percentile per-packet one-way delay: 150.624 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-16 02:02:55

End at: 2018-02-16 02:03:25

Below is generated by plot.py at 2018-02-16 04:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.25 Mbit/s

95th percentile per-packet one-way delay: 204.200 ms

Loss rate: 0.87%

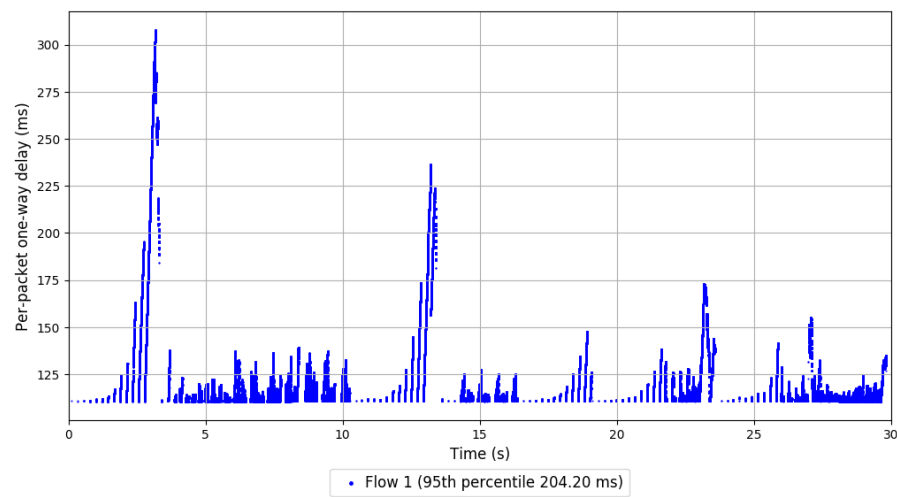
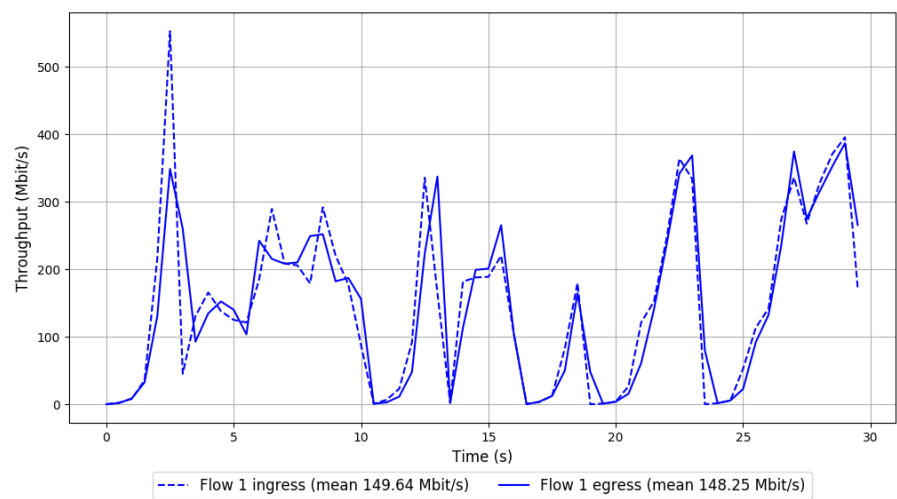
-- Flow 1:

Average throughput: 148.25 Mbit/s

95th percentile per-packet one-way delay: 204.200 ms

Loss rate: 0.87%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-16 02:18:29

End at: 2018-02-16 02:18:59

Below is generated by plot.py at 2018-02-16 04:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.09 Mbit/s

95th percentile per-packet one-way delay: 135.468 ms

Loss rate: 0.21%

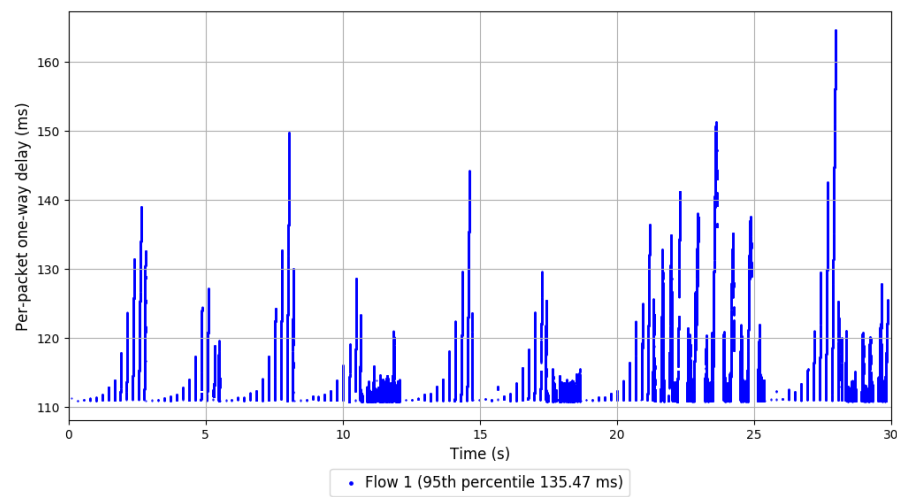
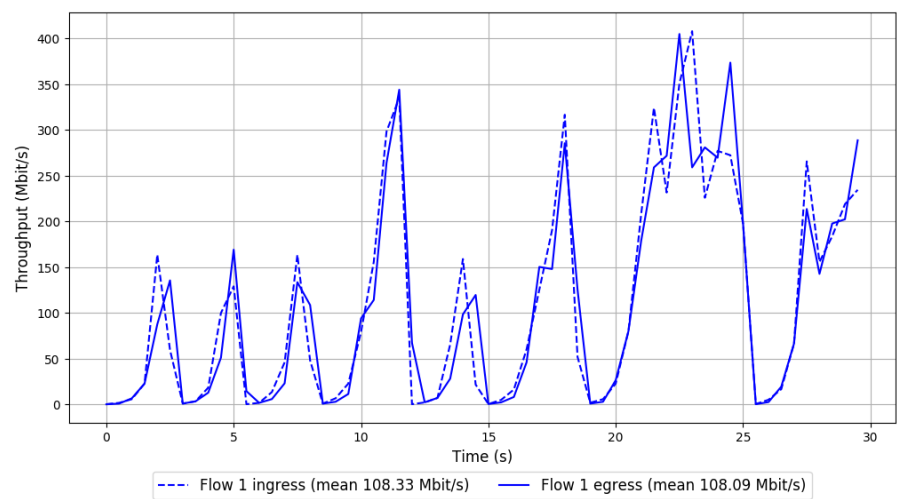
-- Flow 1:

Average throughput: 108.09 Mbit/s

95th percentile per-packet one-way delay: 135.468 ms

Loss rate: 0.21%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-16 02:33:56

End at: 2018-02-16 02:34:26

Below is generated by plot.py at 2018-02-16 04:58:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.34 Mbit/s

95th percentile per-packet one-way delay: 198.079 ms

Loss rate: 1.70%

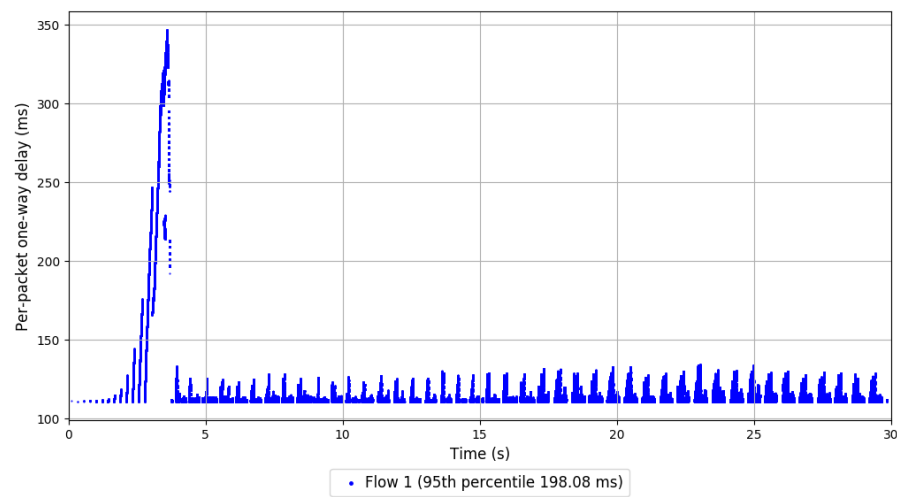
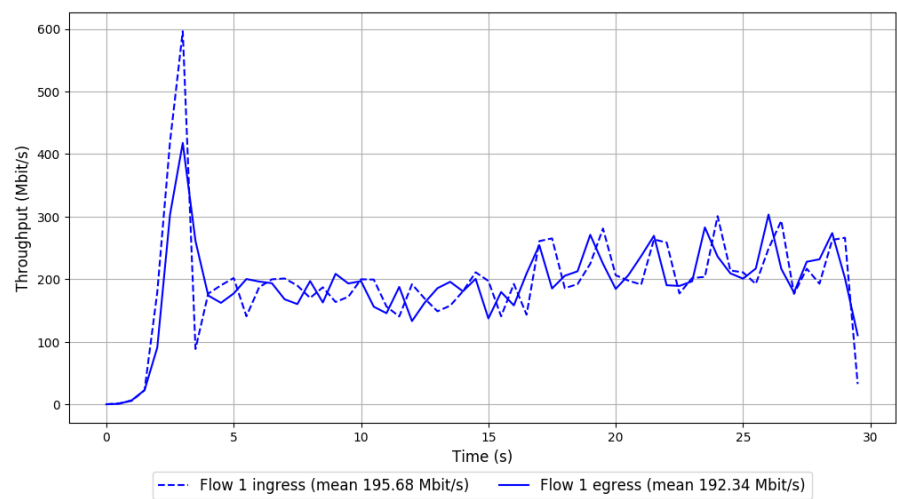
-- Flow 1:

Average throughput: 192.34 Mbit/s

95th percentile per-packet one-way delay: 198.079 ms

Loss rate: 1.70%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-16 02:49:39

End at: 2018-02-16 02:50:09

Below is generated by plot.py at 2018-02-16 04:58:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.37 Mbit/s

95th percentile per-packet one-way delay: 155.472 ms

Loss rate: 0.00%

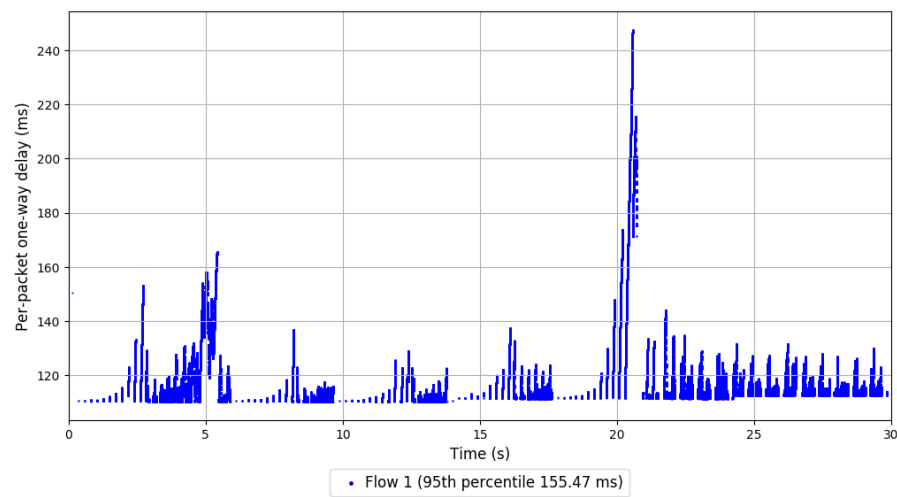
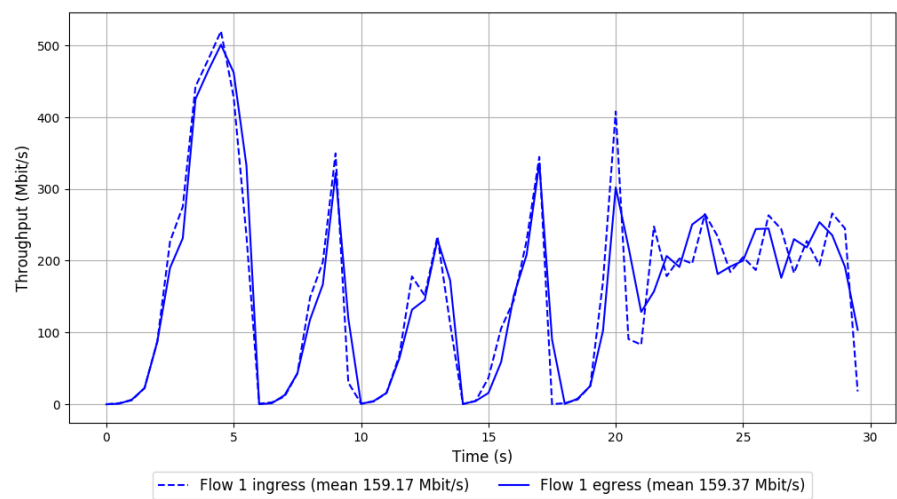
-- Flow 1:

Average throughput: 159.37 Mbit/s

95th percentile per-packet one-way delay: 155.472 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-16 03:05:21

End at: 2018-02-16 03:05:51

Below is generated by plot.py at 2018-02-16 04:59:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.11 Mbit/s

95th percentile per-packet one-way delay: 178.740 ms

Loss rate: 0.00%

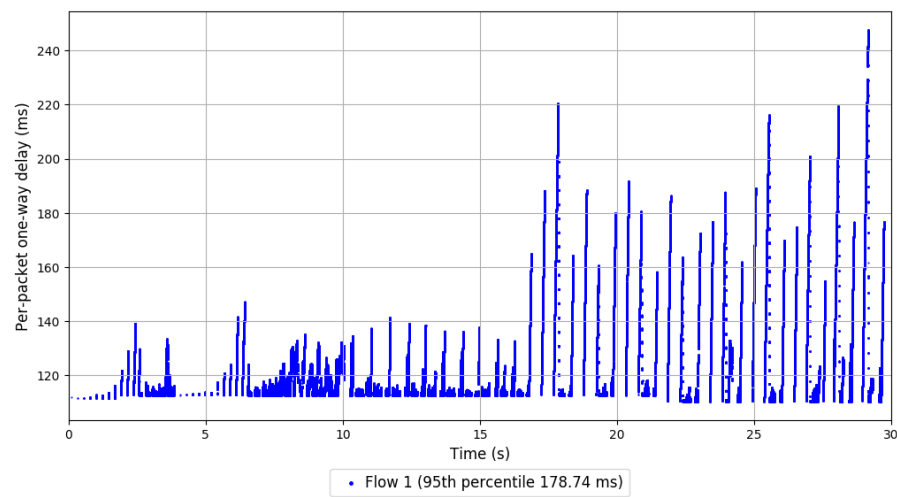
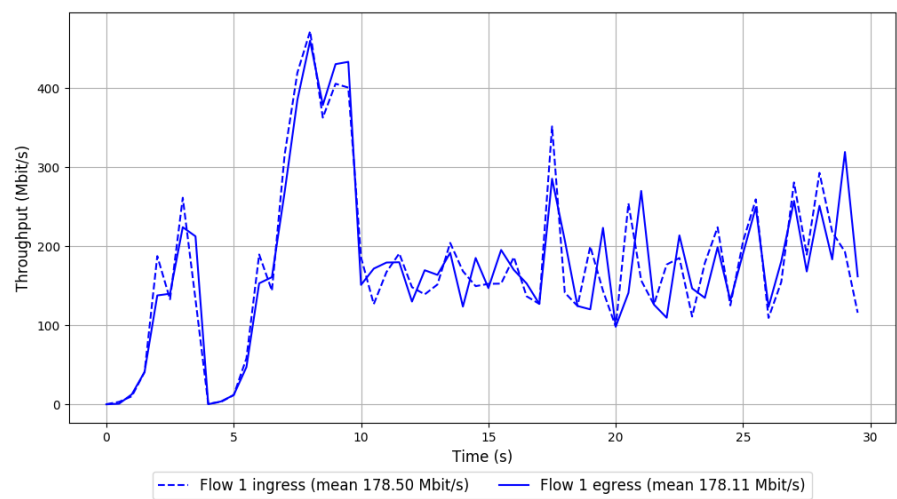
-- Flow 1:

Average throughput: 178.11 Mbit/s

95th percentile per-packet one-way delay: 178.740 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-16 00:45:58

End at: 2018-02-16 00:46:28

Below is generated by plot.py at 2018-02-16 04:59:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 113.292 ms

Loss rate: 0.00%

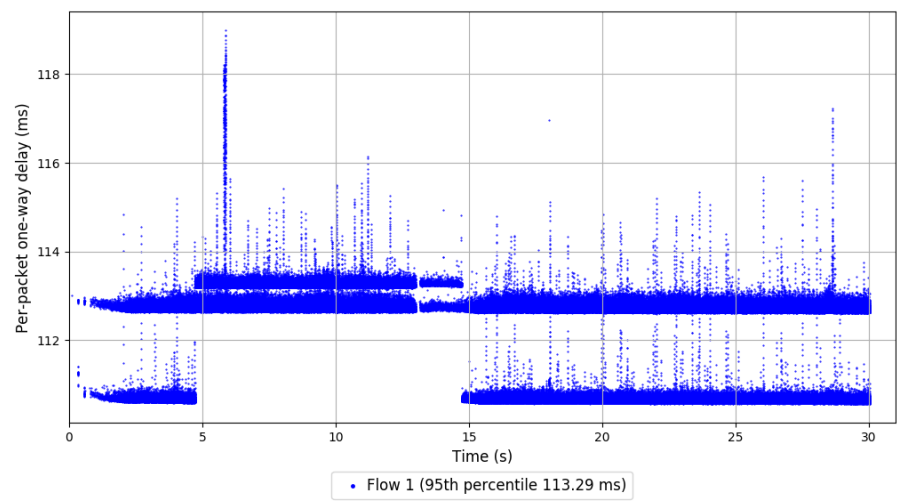
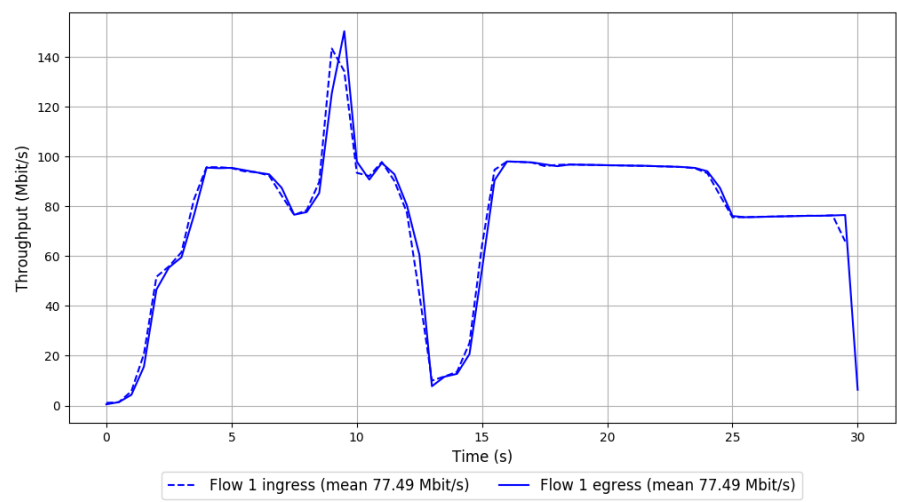
-- Flow 1:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 113.292 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-16 01:01:57

End at: 2018-02-16 01:02:27

Below is generated by plot.py at 2018-02-16 04:59:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.35 Mbit/s

95th percentile per-packet one-way delay: 113.105 ms

Loss rate: 0.00%

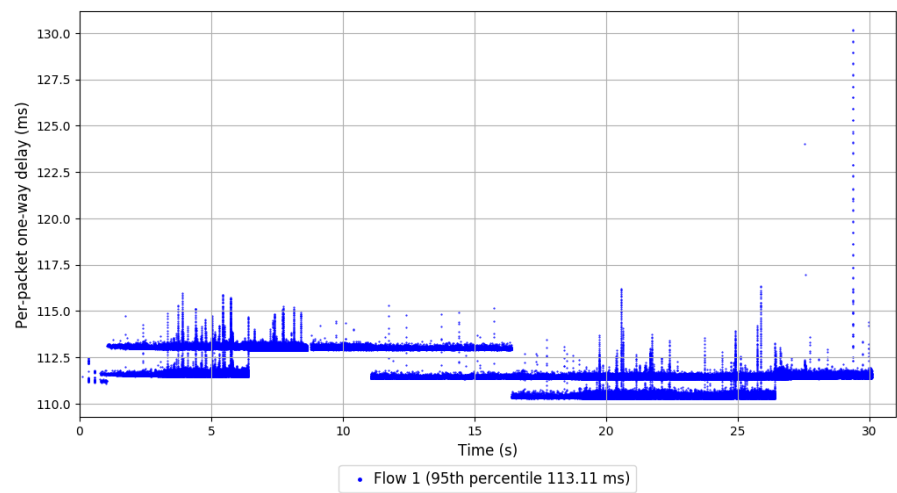
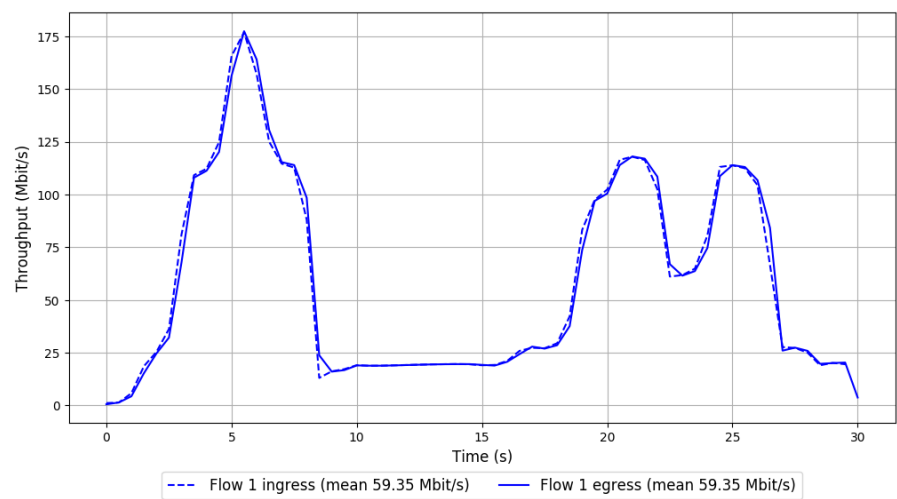
-- Flow 1:

Average throughput: 59.35 Mbit/s

95th percentile per-packet one-way delay: 113.105 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-16 01:17:21

End at: 2018-02-16 01:17:51

Below is generated by plot.py at 2018-02-16 04:59:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.12 Mbit/s

95th percentile per-packet one-way delay: 114.796 ms

Loss rate: 0.00%

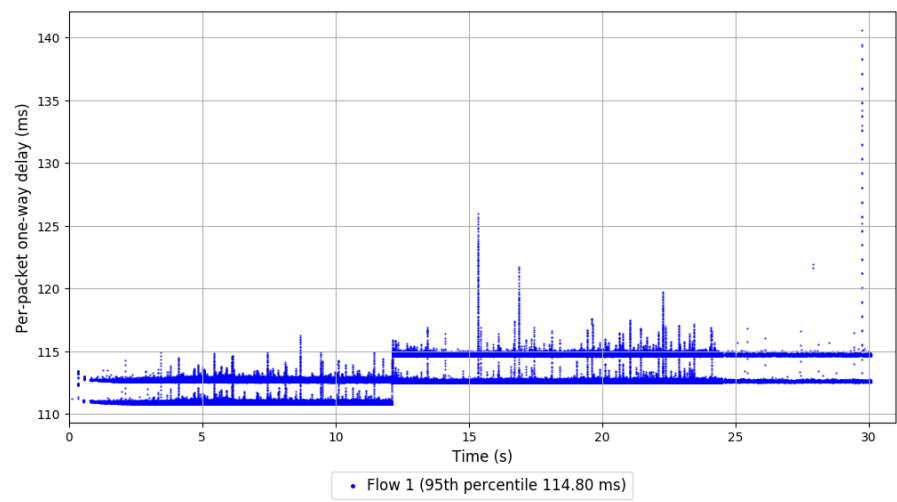
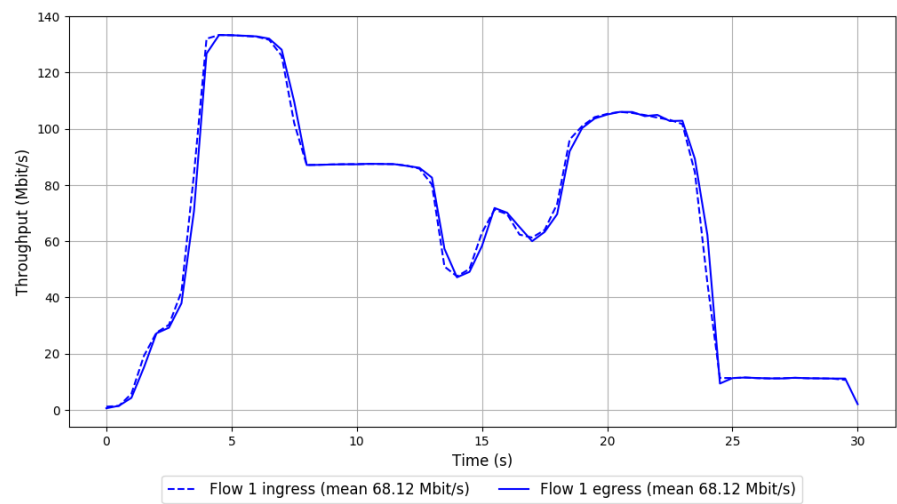
-- Flow 1:

Average throughput: 68.12 Mbit/s

95th percentile per-packet one-way delay: 114.796 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-16 01:32:36

End at: 2018-02-16 01:33:06

Below is generated by plot.py at 2018-02-16 04:59:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.60 Mbit/s

95th percentile per-packet one-way delay: 112.722 ms

Loss rate: 0.00%

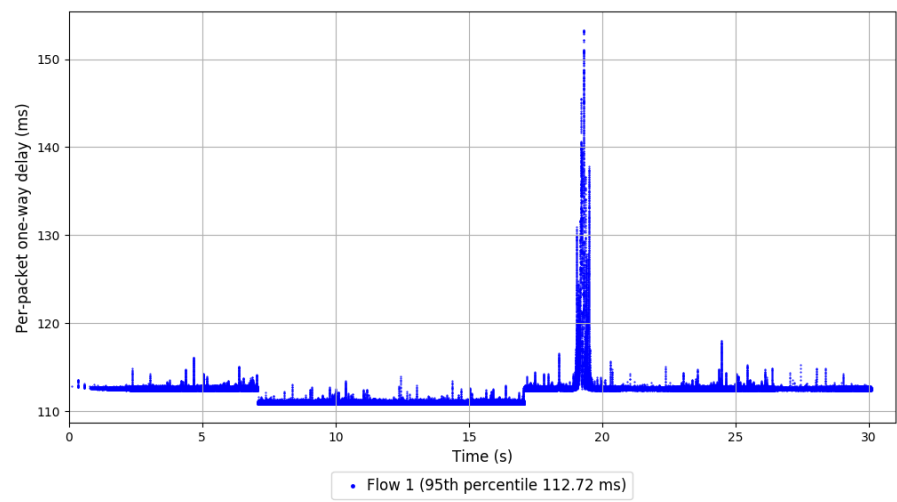
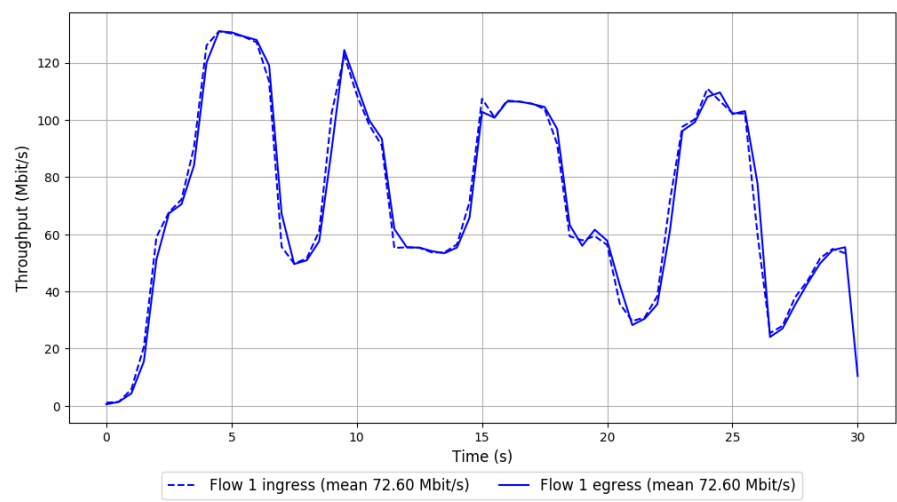
-- Flow 1:

Average throughput: 72.60 Mbit/s

95th percentile per-packet one-way delay: 112.722 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-16 01:48:10

End at: 2018-02-16 01:48:40

Below is generated by plot.py at 2018-02-16 04:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 112.599 ms

Loss rate: 0.00%

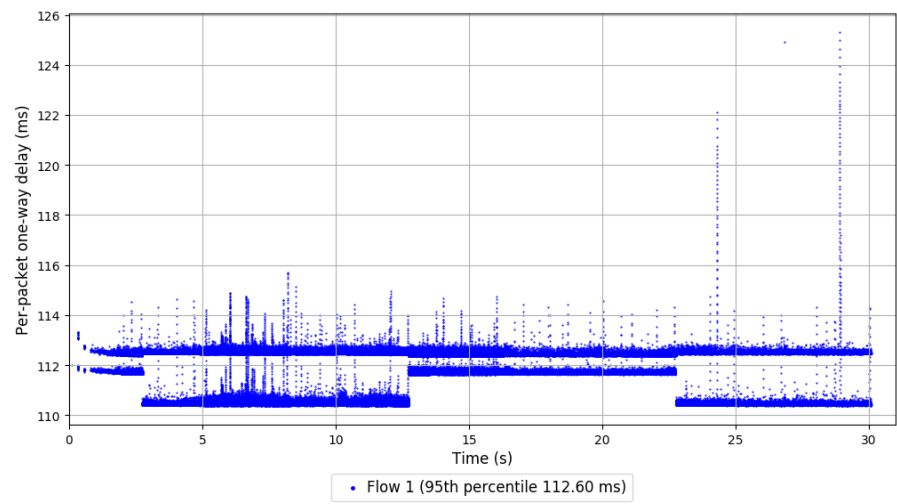
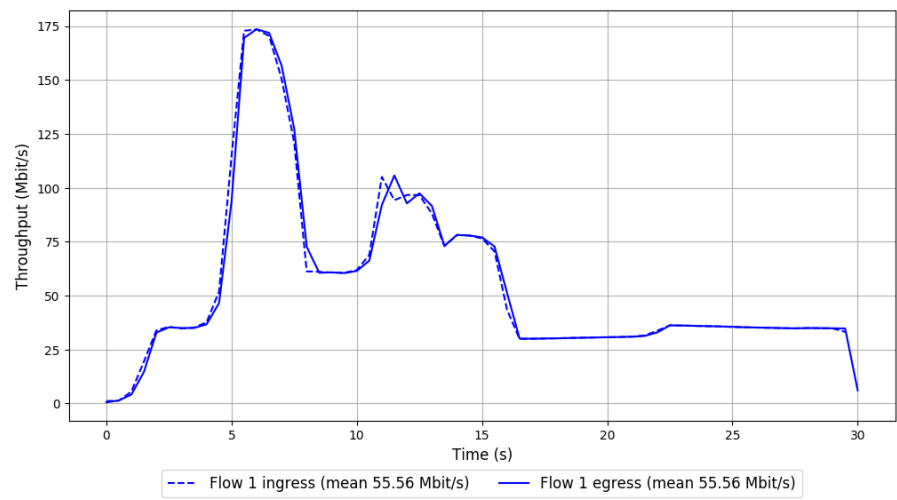
-- Flow 1:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 112.599 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-16 02:03:46

End at: 2018-02-16 02:04:16

Below is generated by plot.py at 2018-02-16 05:00:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 112.396 ms

Loss rate: 0.00%

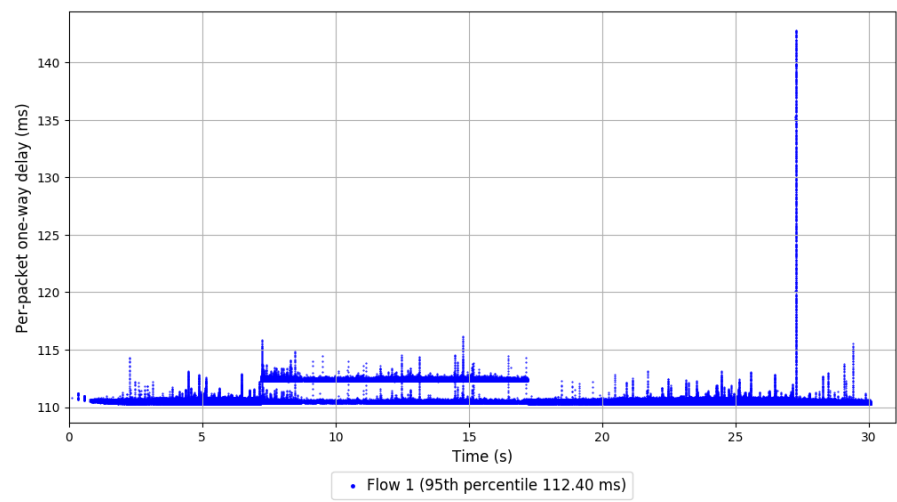
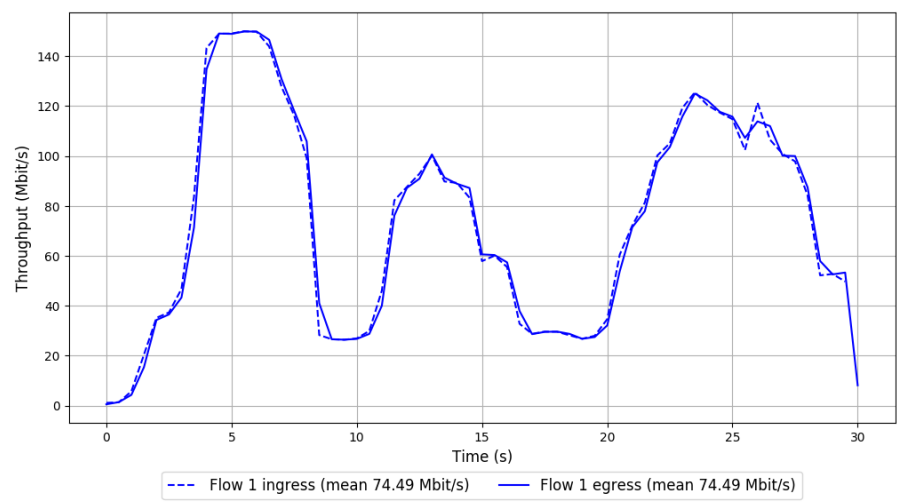
-- Flow 1:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 112.396 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-16 02:19:18

End at: 2018-02-16 02:19:48

Below is generated by plot.py at 2018-02-16 05:00:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 112.723 ms

Loss rate: 0.00%

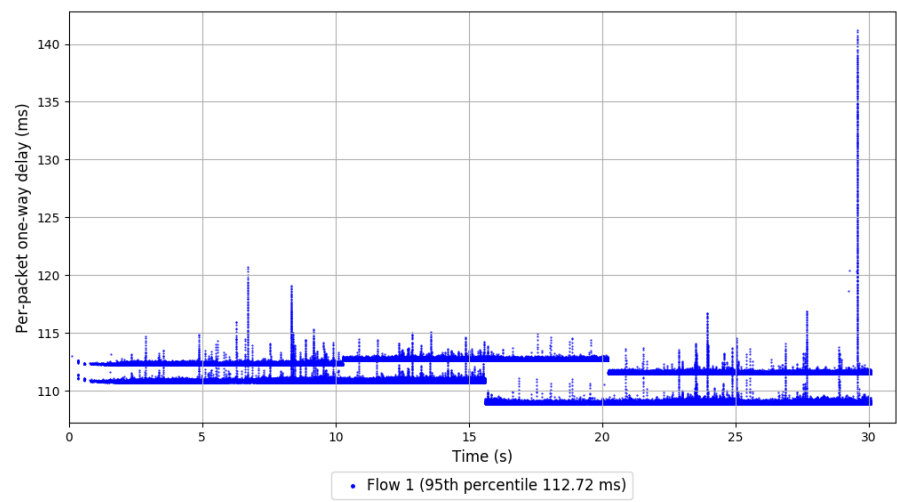
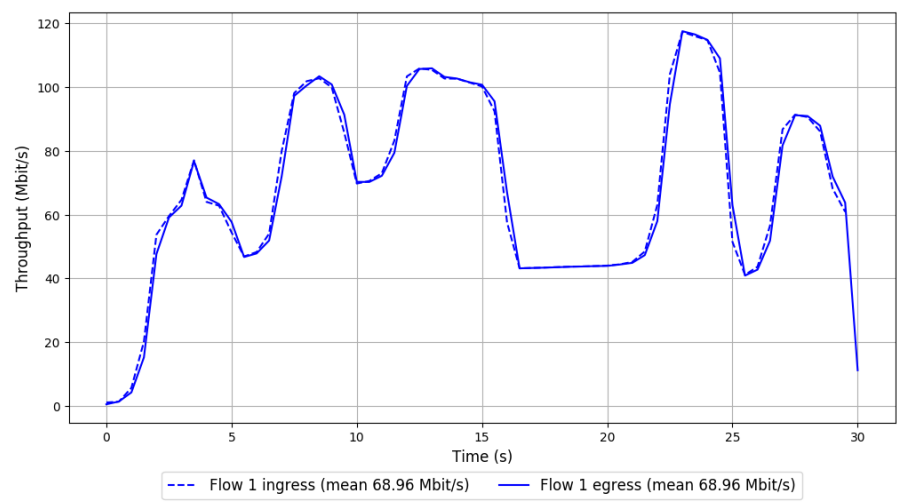
-- Flow 1:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 112.723 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-16 02:34:50

End at: 2018-02-16 02:35:21

Below is generated by plot.py at 2018-02-16 05:00:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.42 Mbit/s

95th percentile per-packet one-way delay: 112.596 ms

Loss rate: 0.00%

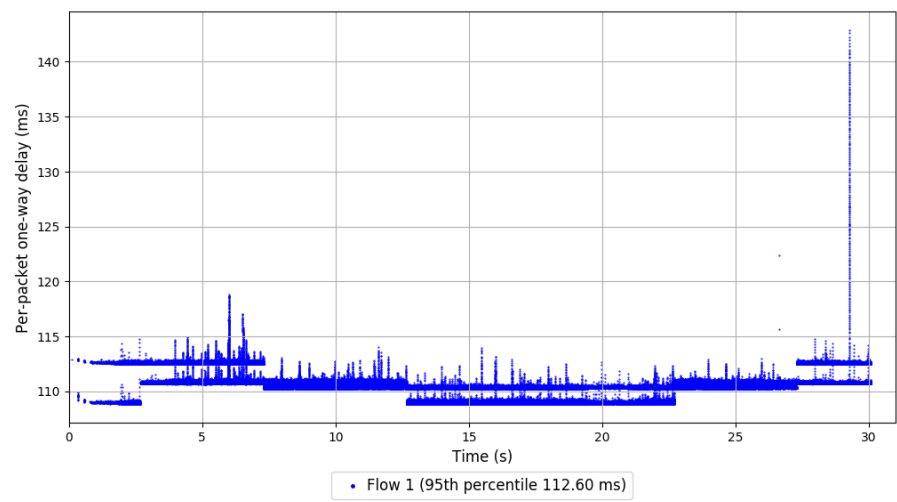
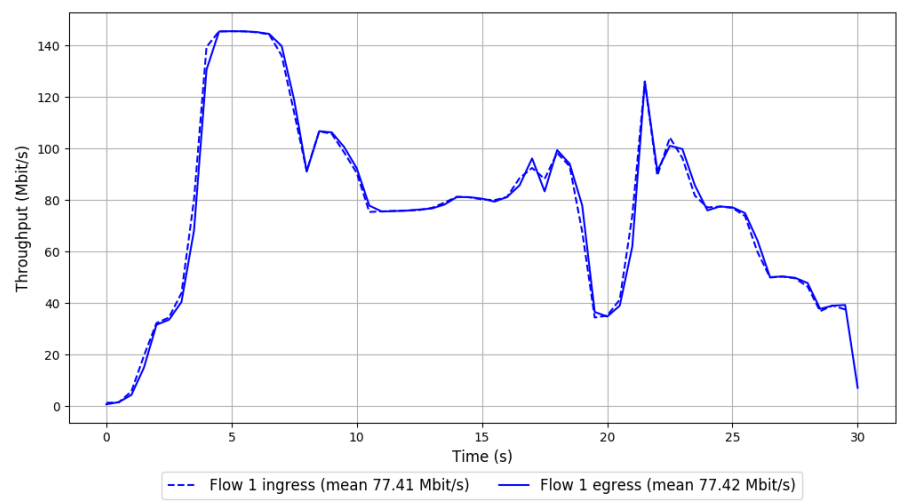
-- Flow 1:

Average throughput: 77.42 Mbit/s

95th percentile per-packet one-way delay: 112.596 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-16 02:50:31

End at: 2018-02-16 02:51:01

Below is generated by plot.py at 2018-02-16 05:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.01 Mbit/s

95th percentile per-packet one-way delay: 112.708 ms

Loss rate: 0.00%

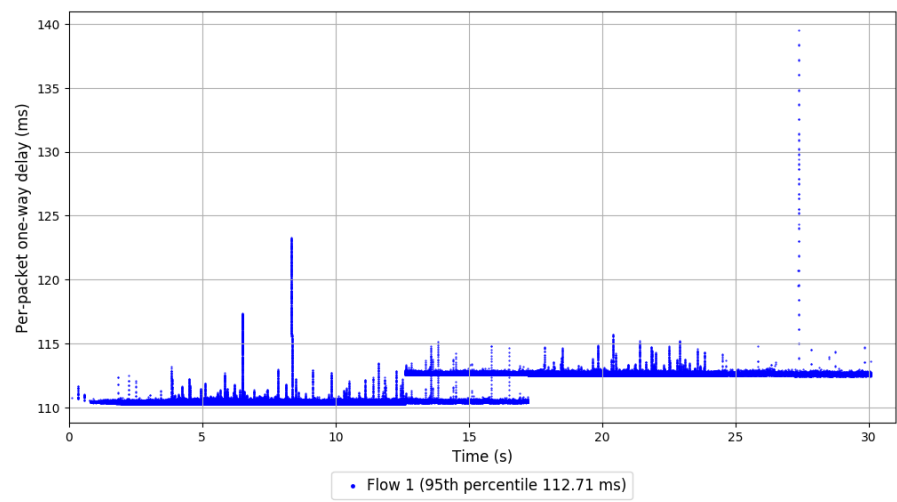
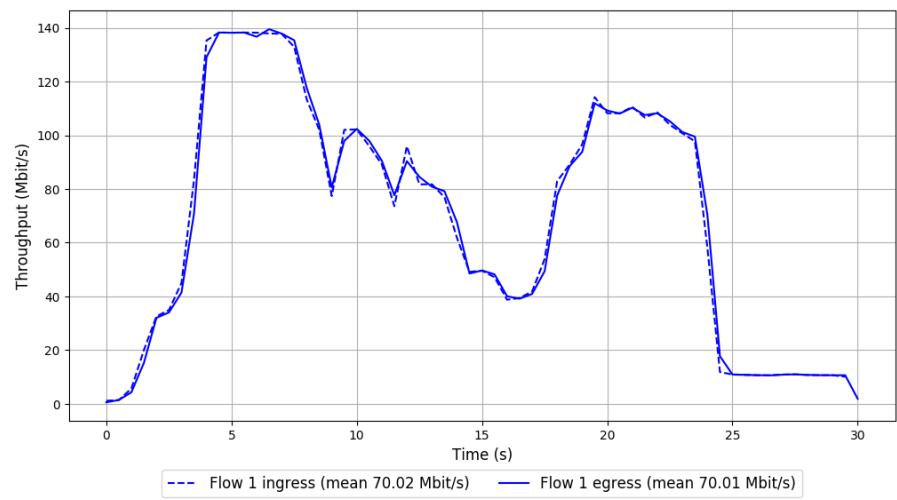
-- Flow 1:

Average throughput: 70.01 Mbit/s

95th percentile per-packet one-way delay: 112.708 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-16 03:06:14

End at: 2018-02-16 03:06:44

Below is generated by plot.py at 2018-02-16 05:00:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.61 Mbit/s

95th percentile per-packet one-way delay: 112.708 ms

Loss rate: 0.00%

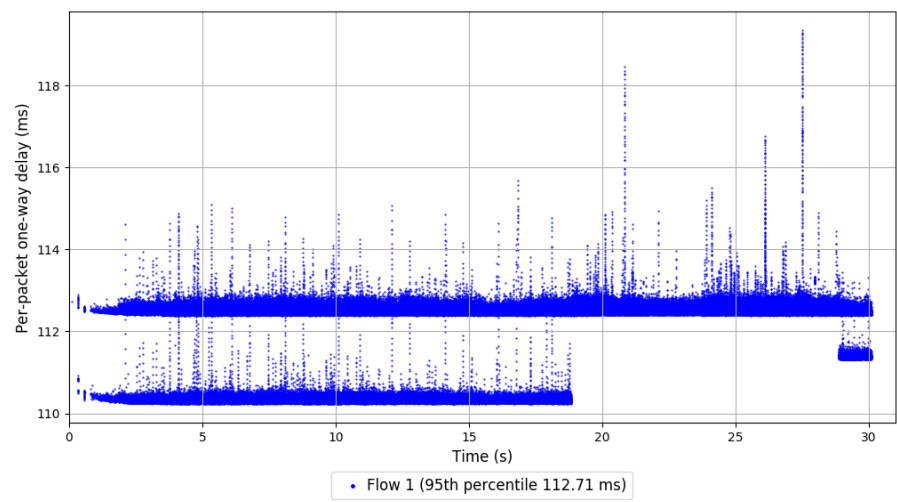
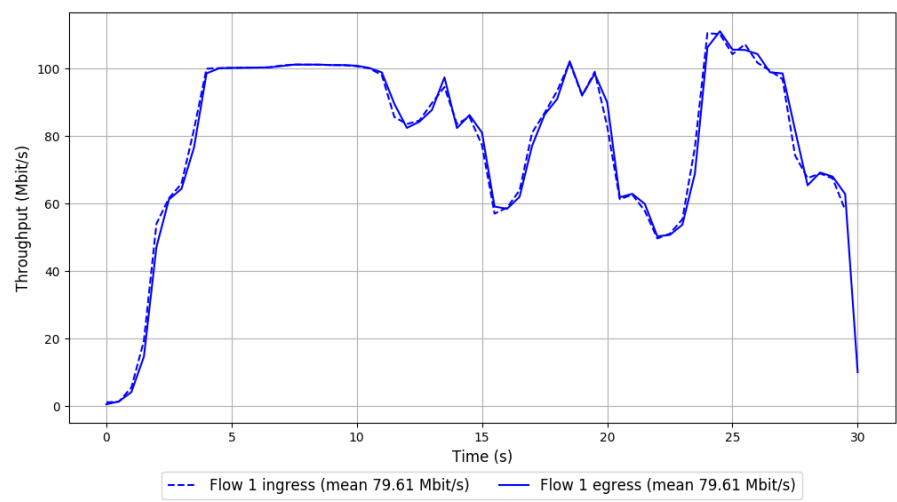
-- Flow 1:

Average throughput: 79.61 Mbit/s

95th percentile per-packet one-way delay: 112.708 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

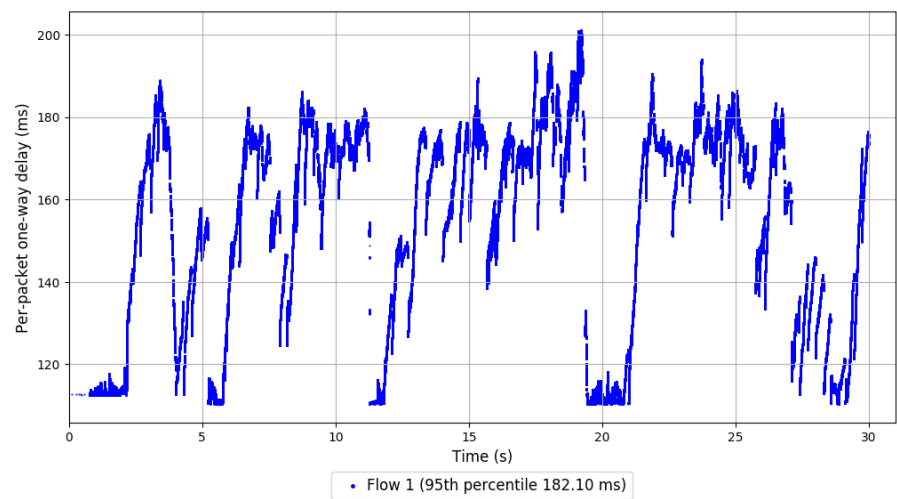
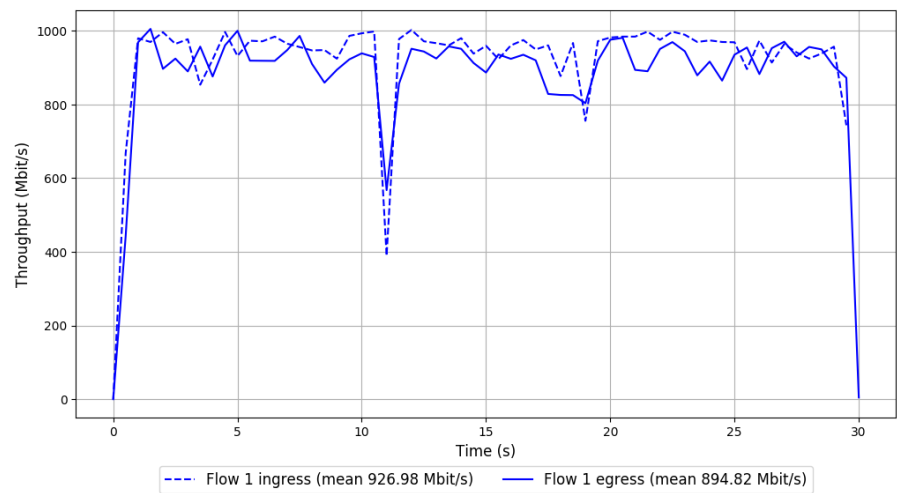


```
Run 1: Statistics of FillP

Start at: 2018-02-16 00:49:13
End at: 2018-02-16 00:49:43

# Below is generated by plot.py at 2018-02-16 05:14:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 894.82 Mbit/s
95th percentile per-packet one-way delay: 182.101 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 894.82 Mbit/s
95th percentile per-packet one-way delay: 182.101 ms
Loss rate: 3.47%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-16 01:04:49

End at: 2018-02-16 01:05:19

Below is generated by plot.py at 2018-02-16 05:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 772.50 Mbit/s

95th percentile per-packet one-way delay: 335.852 ms

Loss rate: 9.01%

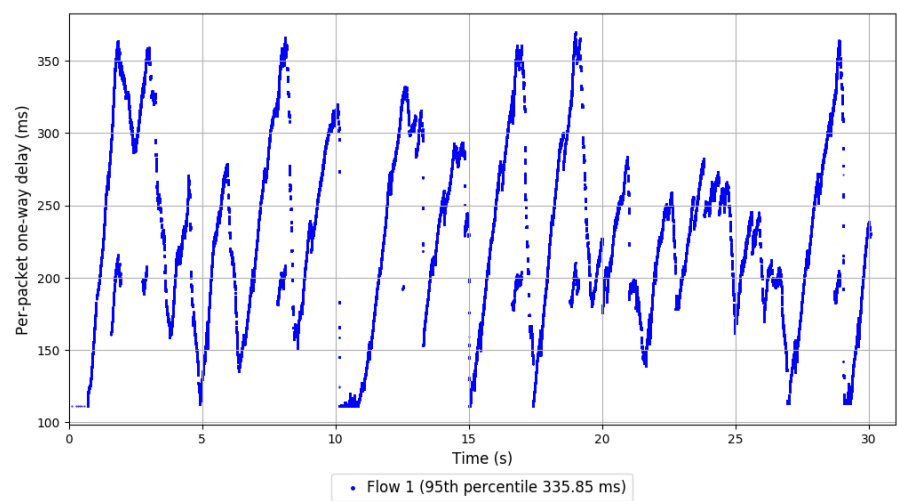
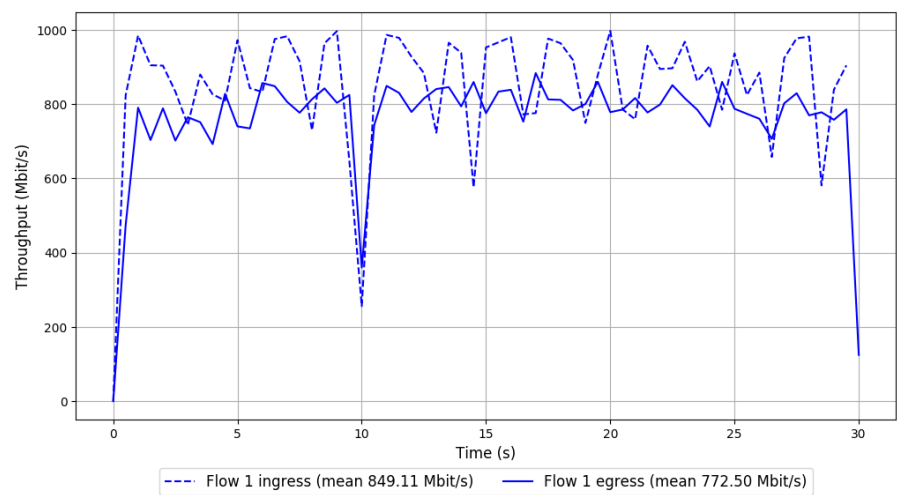
-- Flow 1:

Average throughput: 772.50 Mbit/s

95th percentile per-packet one-way delay: 335.852 ms

Loss rate: 9.01%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-16 01:20:14

End at: 2018-02-16 01:20:44

Below is generated by plot.py at 2018-02-16 05:14:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 896.74 Mbit/s

95th percentile per-packet one-way delay: 186.073 ms

Loss rate: 2.24%

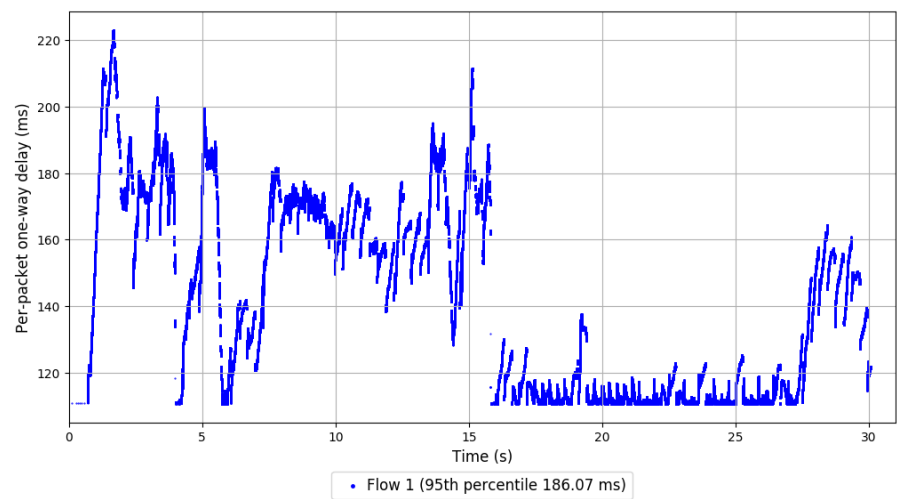
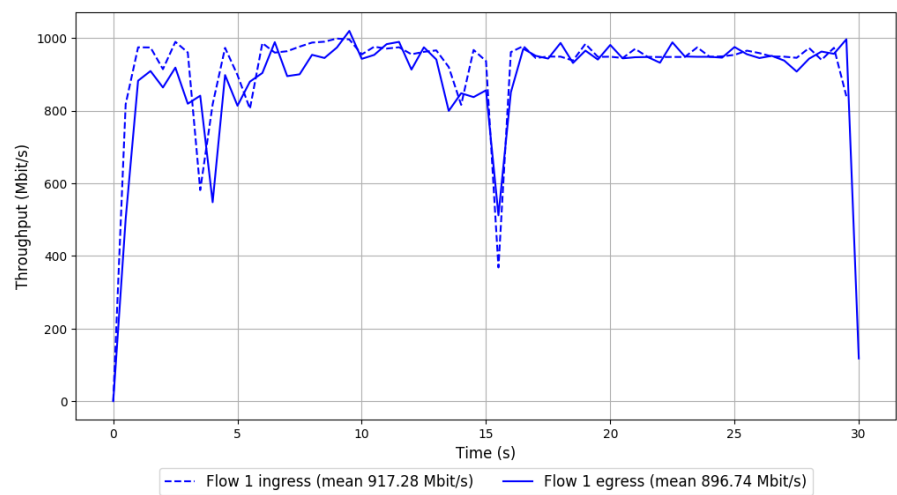
-- Flow 1:

Average throughput: 896.74 Mbit/s

95th percentile per-packet one-way delay: 186.073 ms

Loss rate: 2.24%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-16 01:35:30

End at: 2018-02-16 01:36:00

Below is generated by plot.py at 2018-02-16 05:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 863.32 Mbit/s

95th percentile per-packet one-way delay: 201.770 ms

Loss rate: 6.60%

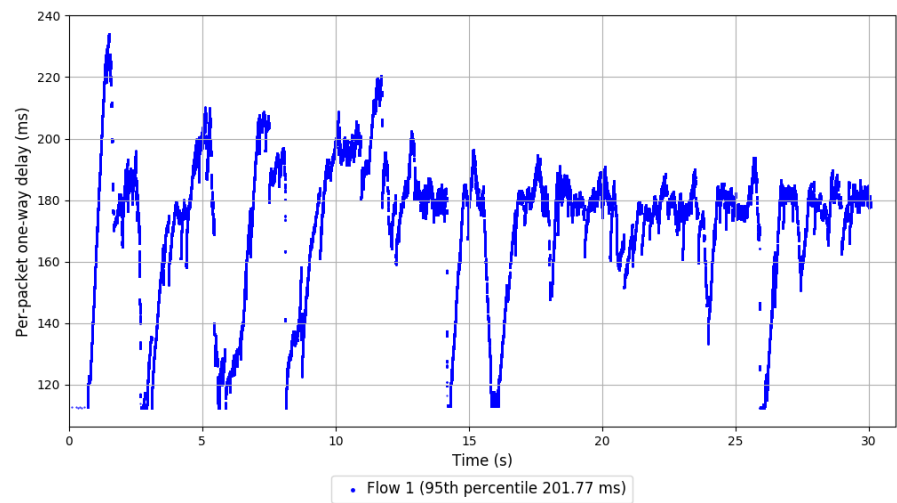
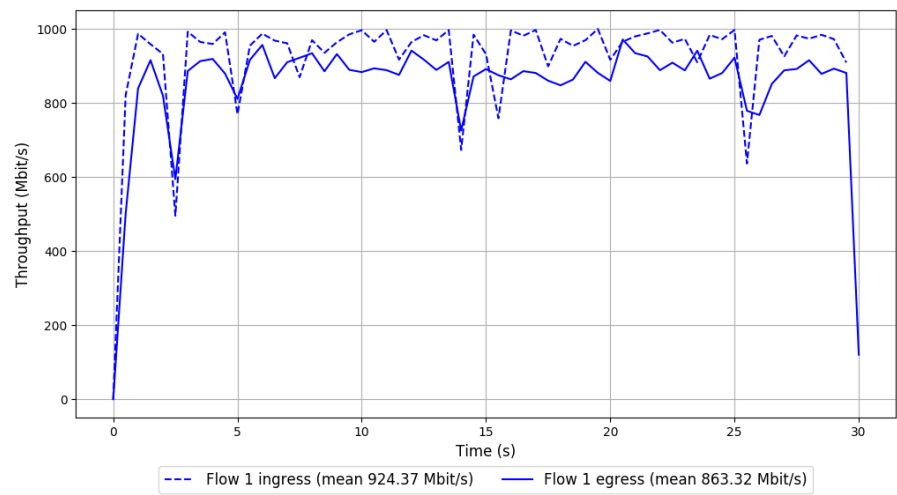
-- Flow 1:

Average throughput: 863.32 Mbit/s

95th percentile per-packet one-way delay: 201.770 ms

Loss rate: 6.60%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-16 01:51:13

End at: 2018-02-16 01:51:43

Below is generated by plot.py at 2018-02-16 05:15:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 938.81 Mbit/s

95th percentile per-packet one-way delay: 162.607 ms

Loss rate: 0.27%

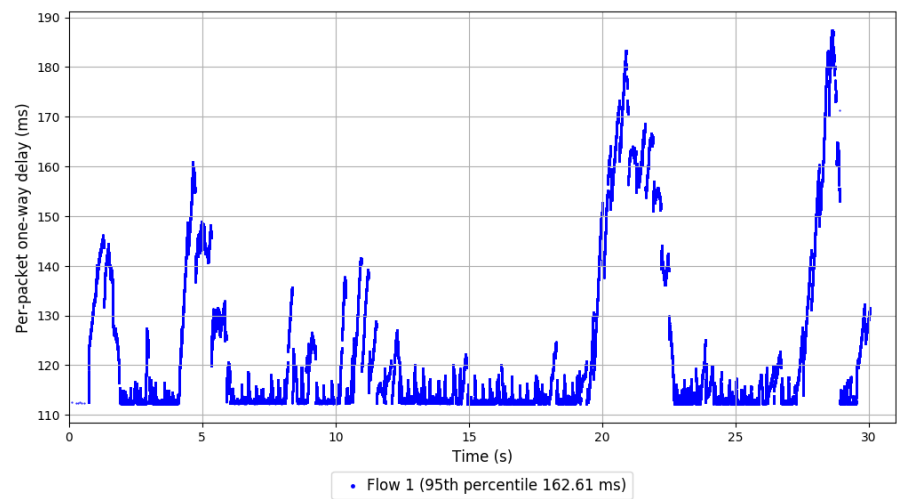
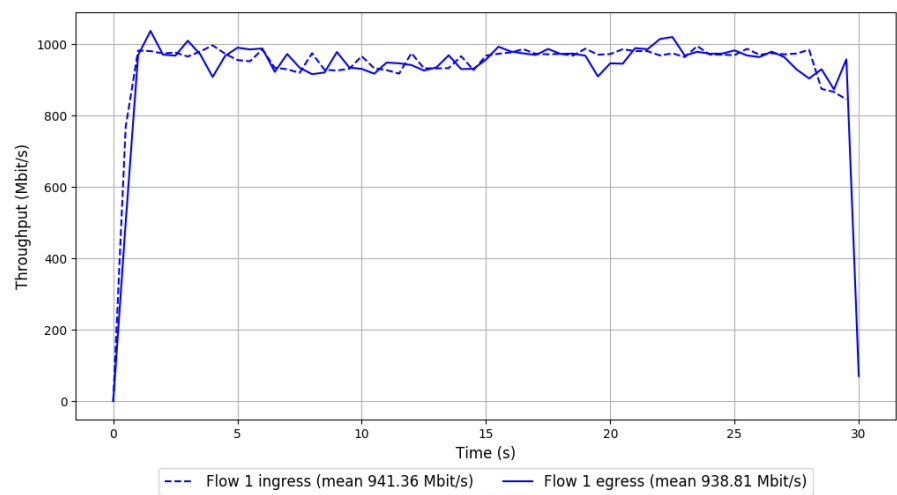
-- Flow 1:

Average throughput: 938.81 Mbit/s

95th percentile per-packet one-way delay: 162.607 ms

Loss rate: 0.27%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-16 02:06:57

End at: 2018-02-16 02:07:27

Below is generated by plot.py at 2018-02-16 05:15:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 836.48 Mbit/s

95th percentile per-packet one-way delay: 196.894 ms

Loss rate: 6.60%

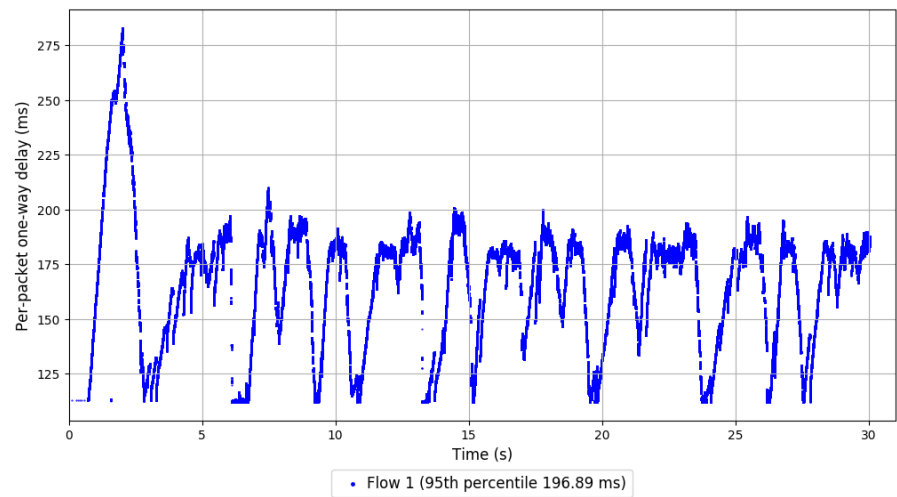
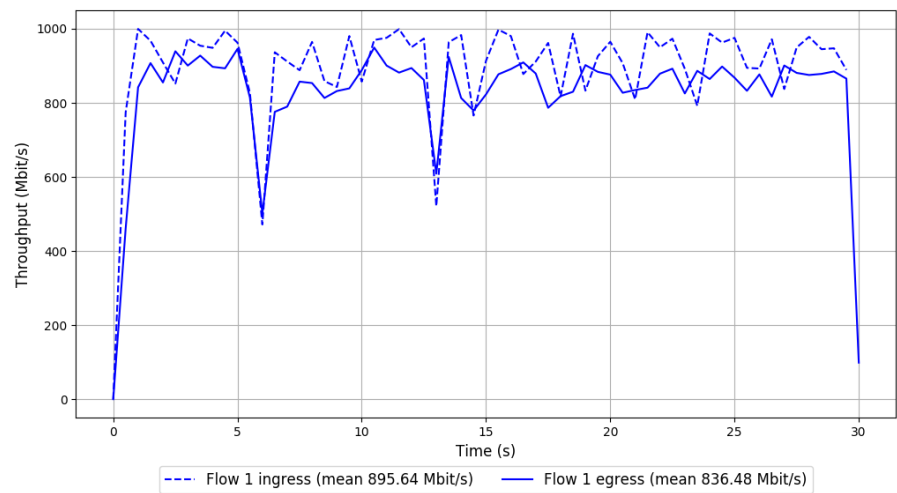
-- Flow 1:

Average throughput: 836.48 Mbit/s

95th percentile per-packet one-way delay: 196.894 ms

Loss rate: 6.60%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-16 02:22:16

End at: 2018-02-16 02:22:46

Below is generated by plot.py at 2018-02-16 05:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 959.79 Mbit/s

95th percentile per-packet one-way delay: 154.838 ms

Loss rate: 0.10%

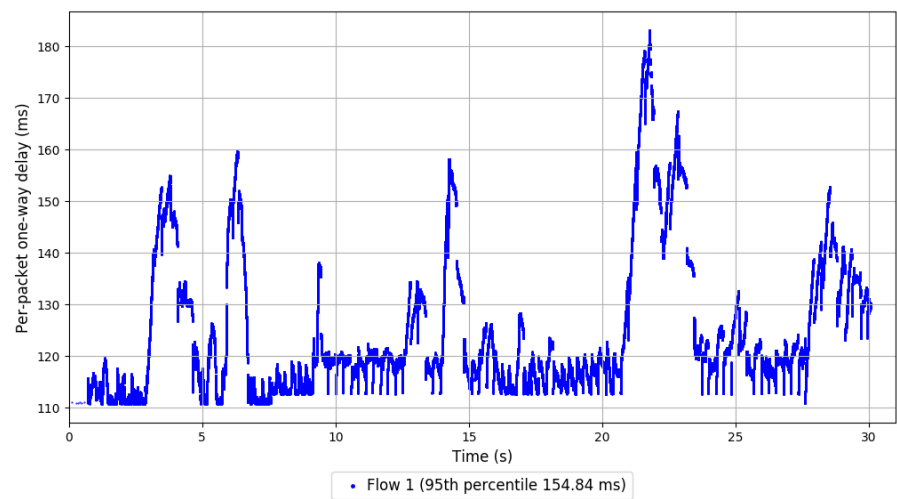
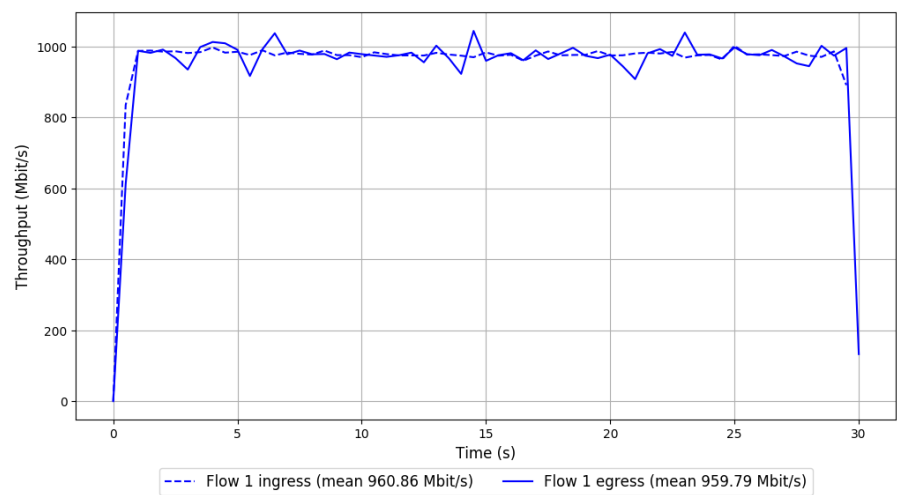
-- Flow 1:

Average throughput: 959.79 Mbit/s

95th percentile per-packet one-way delay: 154.838 ms

Loss rate: 0.10%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-16 02:37:59

End at: 2018-02-16 02:38:29

Below is generated by plot.py at 2018-02-16 05:16:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 907.10 Mbit/s

95th percentile per-packet one-way delay: 222.410 ms

Loss rate: 2.29%

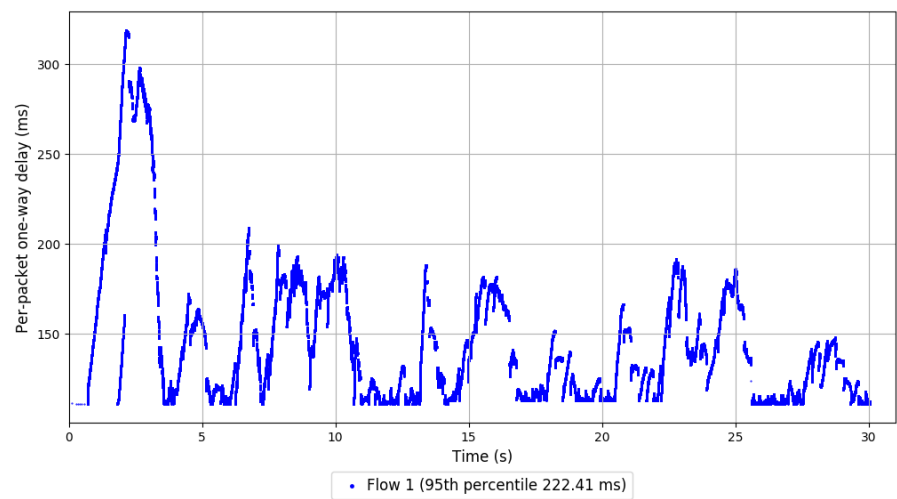
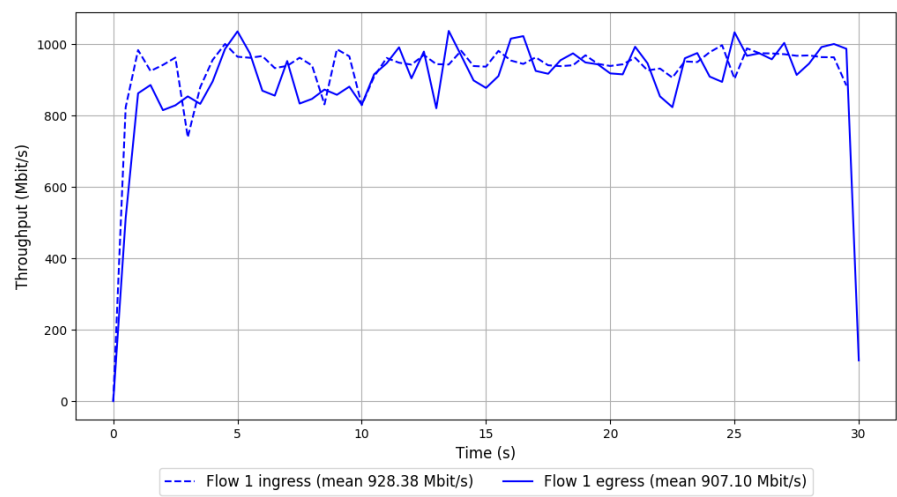
-- Flow 1:

Average throughput: 907.10 Mbit/s

95th percentile per-packet one-way delay: 222.410 ms

Loss rate: 2.29%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-16 02:53:40

End at: 2018-02-16 02:54:10

Below is generated by plot.py at 2018-02-16 05:27:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 863.75 Mbit/s

95th percentile per-packet one-way delay: 190.922 ms

Loss rate: 6.63%

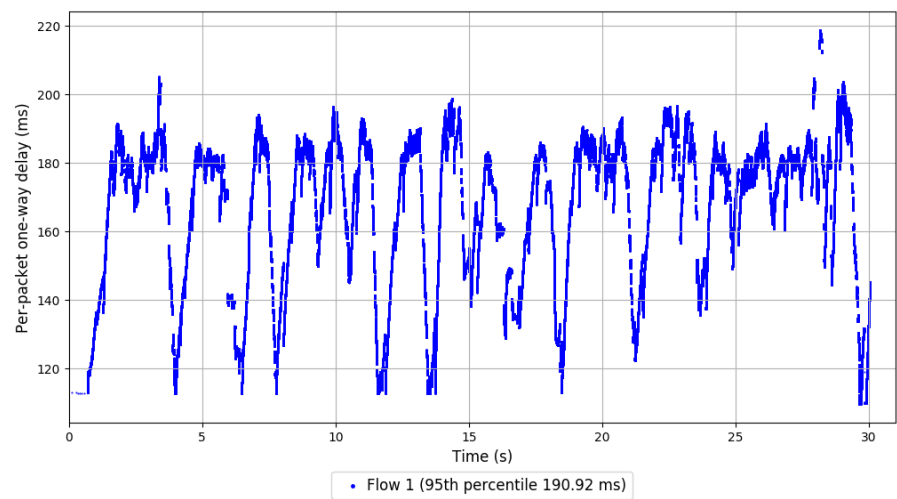
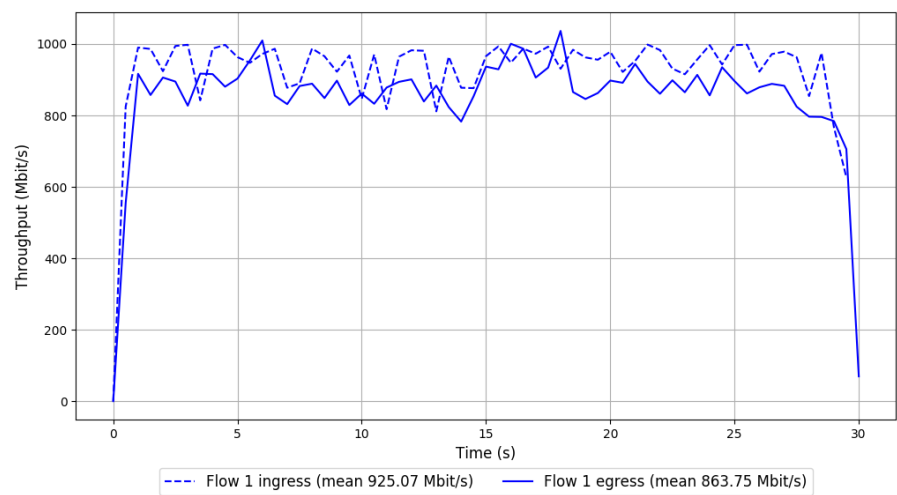
-- Flow 1:

Average throughput: 863.75 Mbit/s

95th percentile per-packet one-way delay: 190.922 ms

Loss rate: 6.63%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-16 03:09:20

End at: 2018-02-16 03:09:50

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 941.64 Mbit/s

95th percentile per-packet one-way delay: 168.510 ms

Loss rate: 0.53%

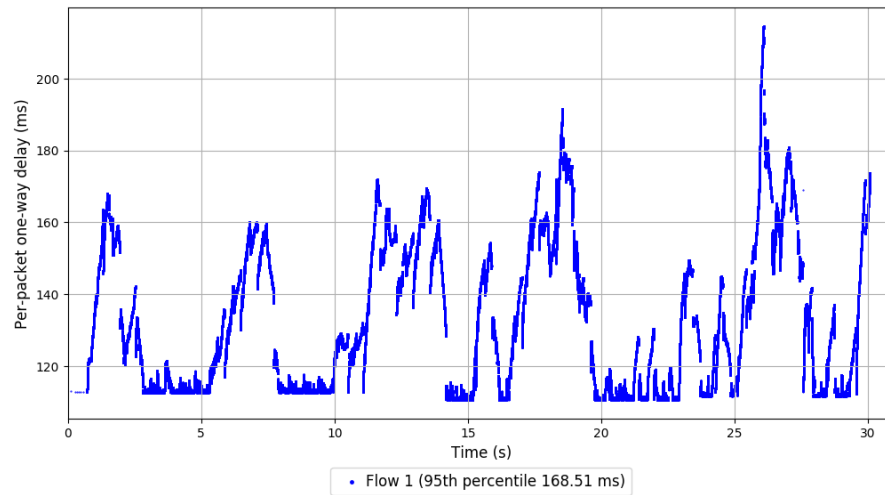
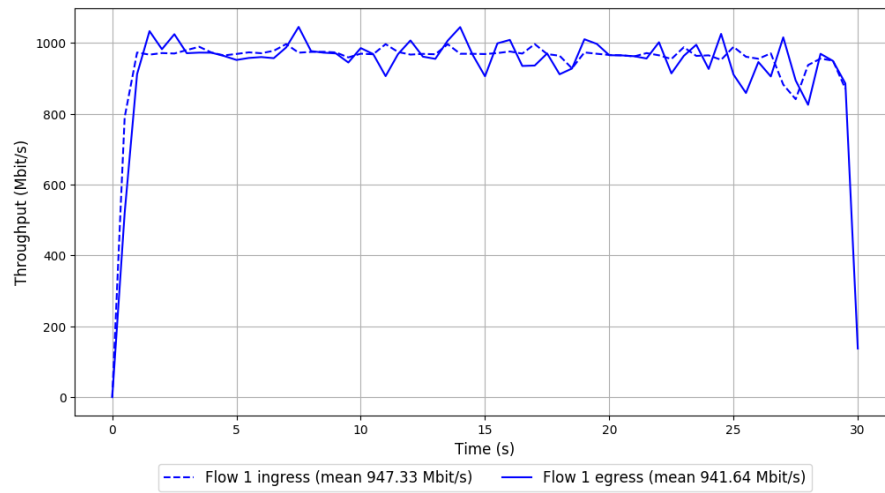
-- Flow 1:

Average throughput: 941.64 Mbit/s

95th percentile per-packet one-way delay: 168.510 ms

Loss rate: 0.53%

Run 10: Report of FillP — Data Link

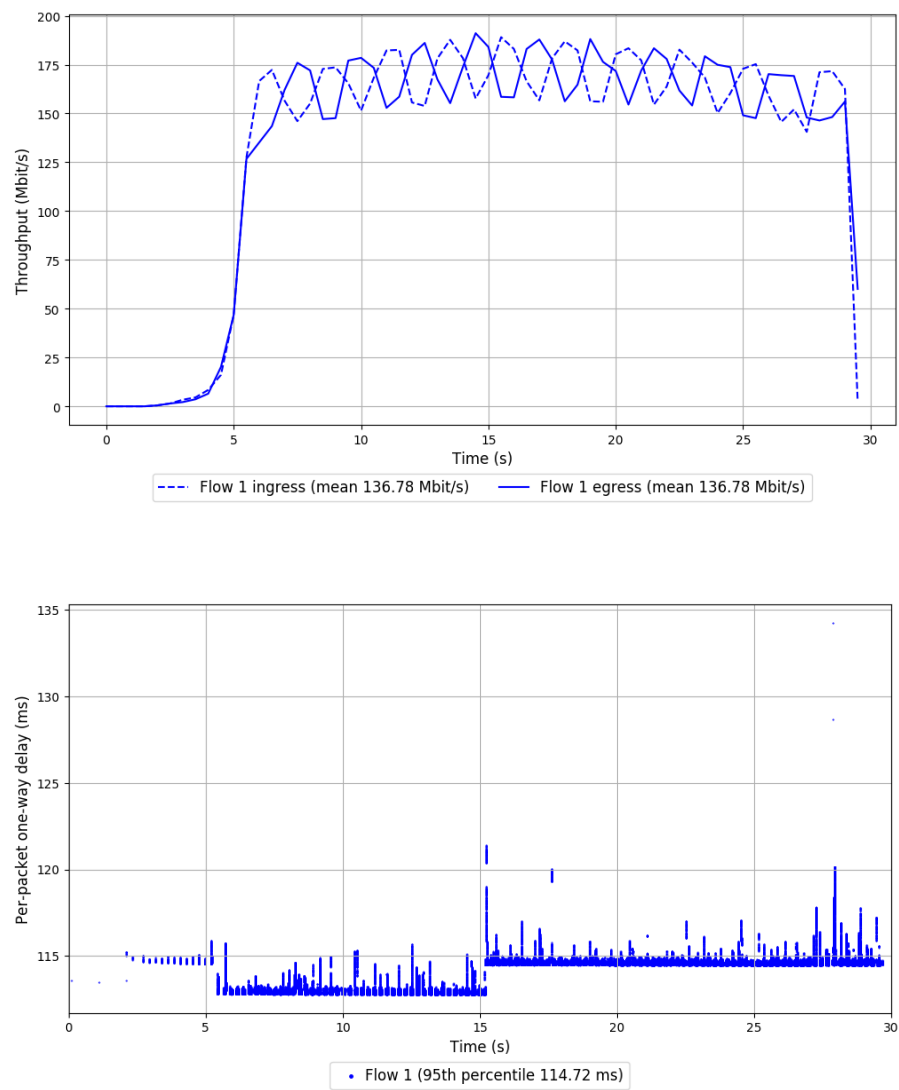


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 00:38:08
End at: 2018-02-16 00:38:38

# Below is generated by plot.py at 2018-02-16 05:30:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.78 Mbit/s
95th percentile per-packet one-way delay: 114.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.78 Mbit/s
95th percentile per-packet one-way delay: 114.723 ms
Loss rate: 0.00%
```

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

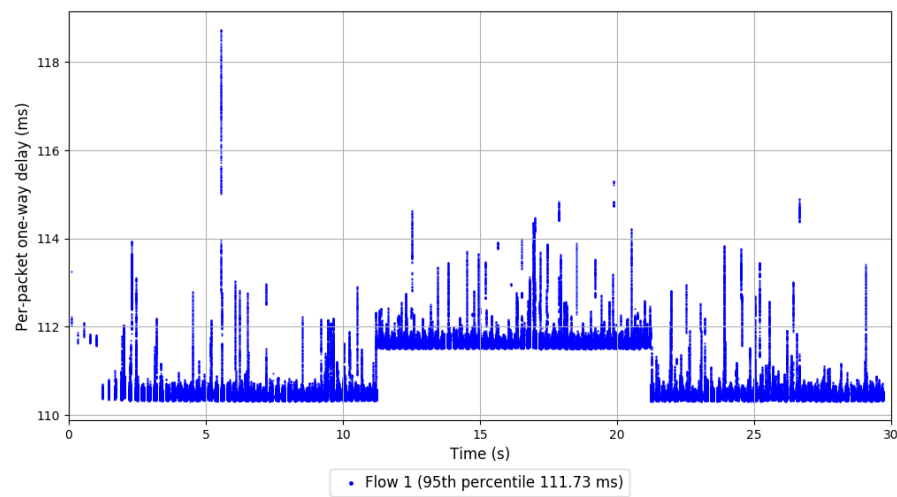
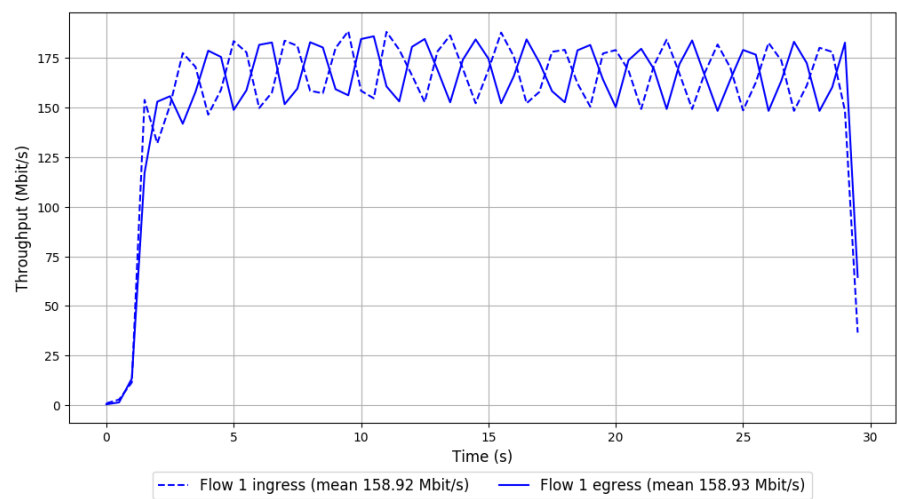


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 00:53:52
End at: 2018-02-16 00:54:22

# Below is generated by plot.py at 2018-02-16 05:30:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.93 Mbit/s
95th percentile per-packet one-way delay: 111.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.93 Mbit/s
95th percentile per-packet one-way delay: 111.726 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 01:09:21

End at: 2018-02-16 01:09:51

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.31 Mbit/s

95th percentile per-packet one-way delay: 113.277 ms

Loss rate: 0.79%

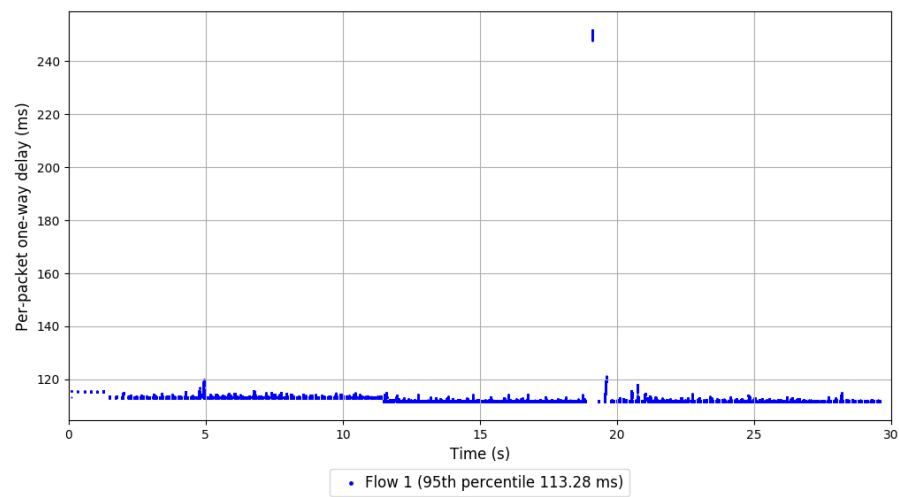
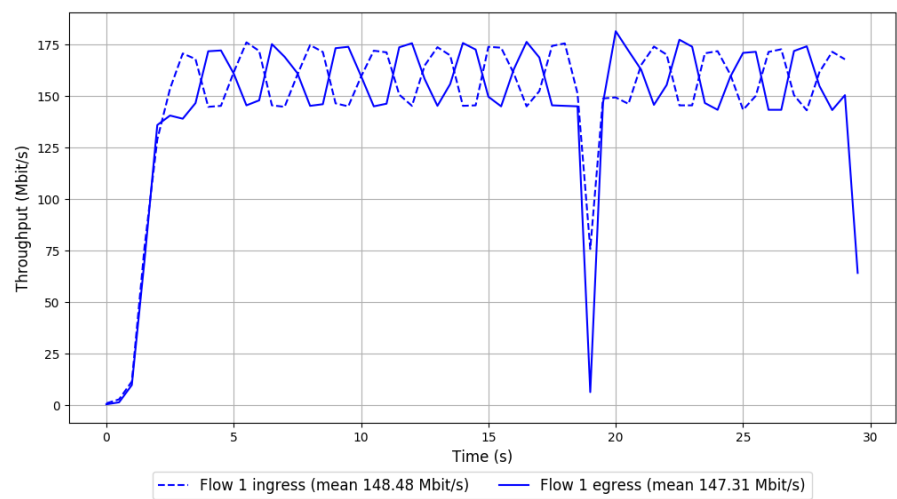
-- Flow 1:

Average throughput: 147.31 Mbit/s

95th percentile per-packet one-way delay: 113.277 ms

Loss rate: 0.79%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 01:24:43

End at: 2018-02-16 01:25:13

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.83 Mbit/s

95th percentile per-packet one-way delay: 114.674 ms

Loss rate: 0.00%

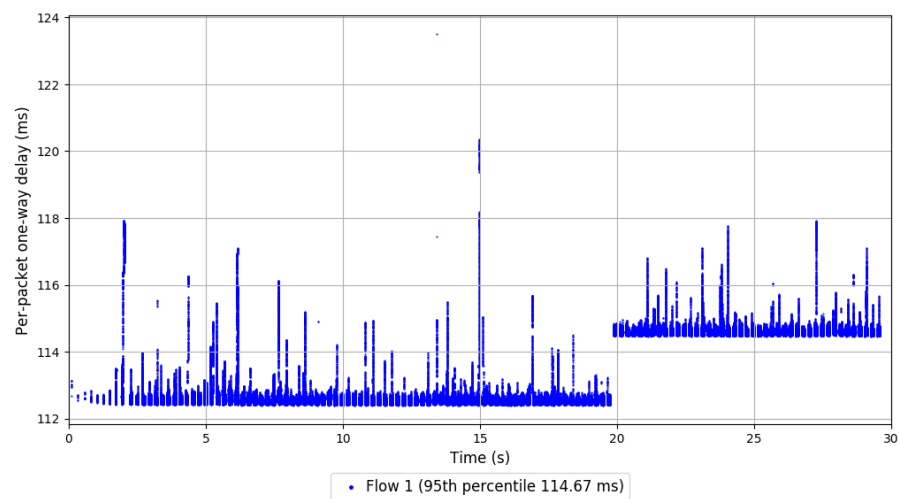
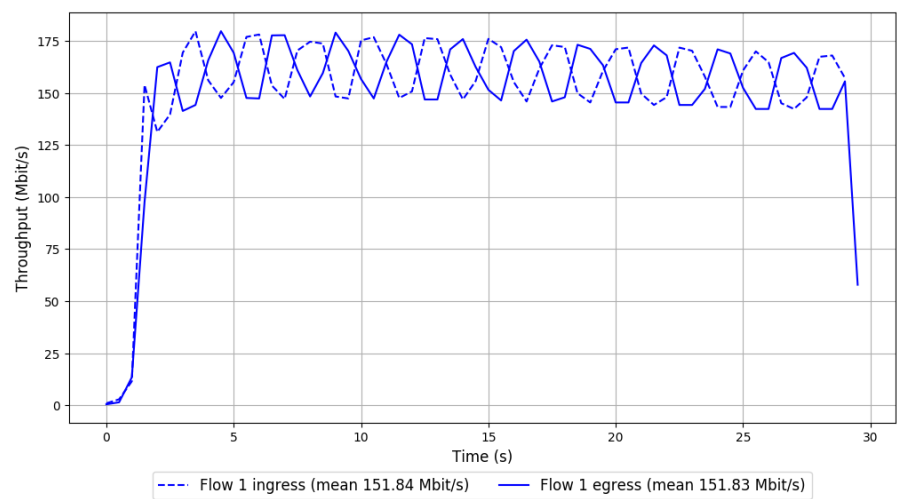
-- Flow 1:

Average throughput: 151.83 Mbit/s

95th percentile per-packet one-way delay: 114.674 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 01:40:04

End at: 2018-02-16 01:40:34

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.99 Mbit/s

95th percentile per-packet one-way delay: 112.991 ms

Loss rate: 0.00%

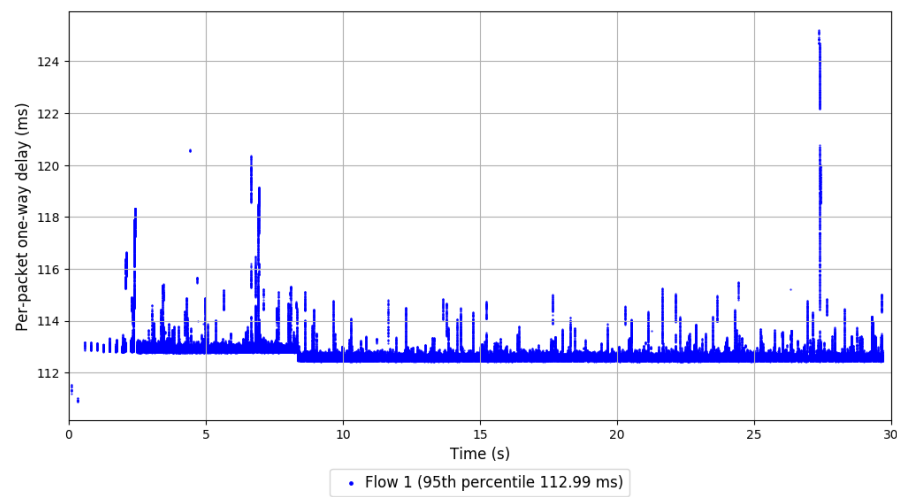
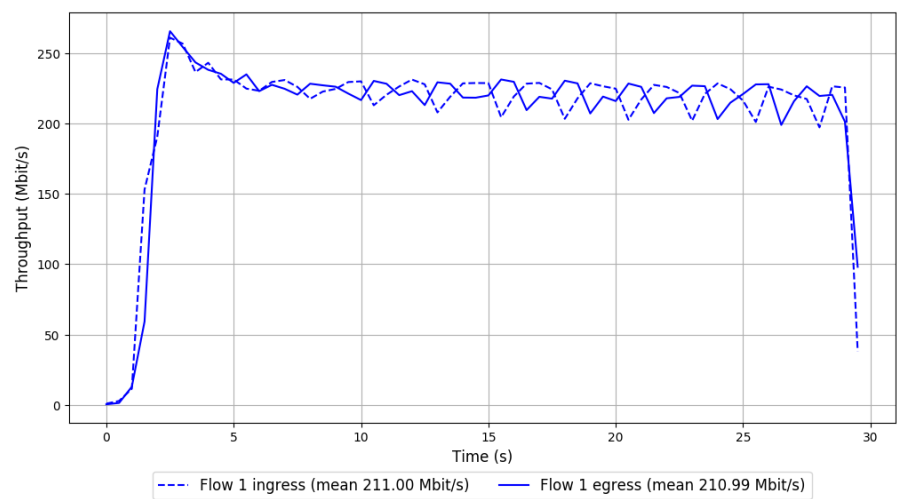
-- Flow 1:

Average throughput: 210.99 Mbit/s

95th percentile per-packet one-way delay: 112.991 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 01:55:49

End at: 2018-02-16 01:56:19

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.92 Mbit/s

95th percentile per-packet one-way delay: 112.562 ms

Loss rate: 0.00%

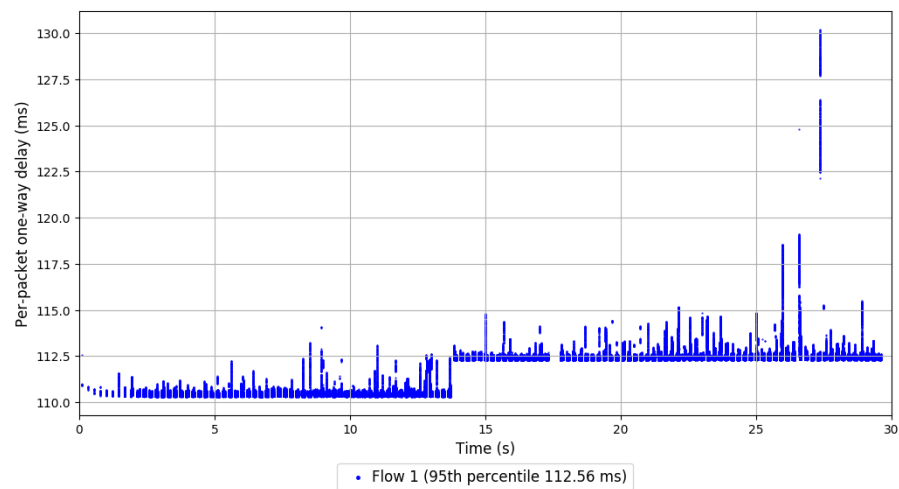
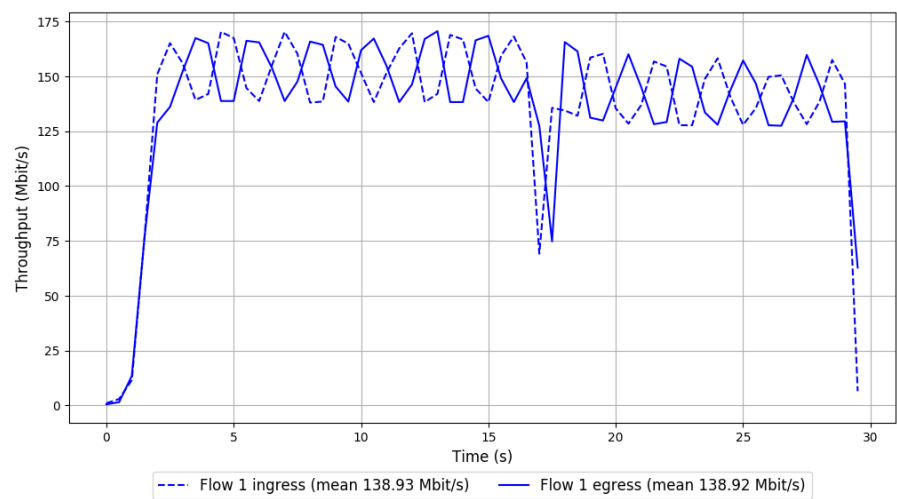
-- Flow 1:

Average throughput: 138.92 Mbit/s

95th percentile per-packet one-way delay: 112.562 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

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

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

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.20 Mbit/s

95th percentile per-packet one-way delay: 110.894 ms

Loss rate: 0.00%

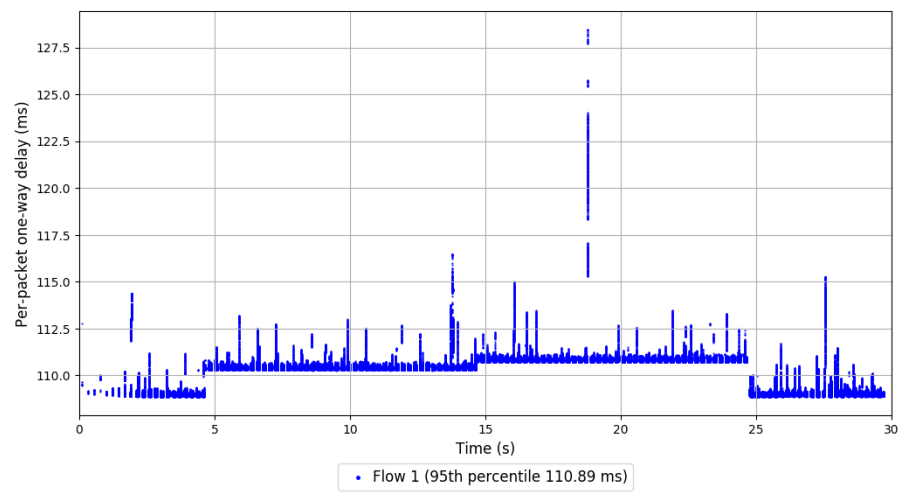
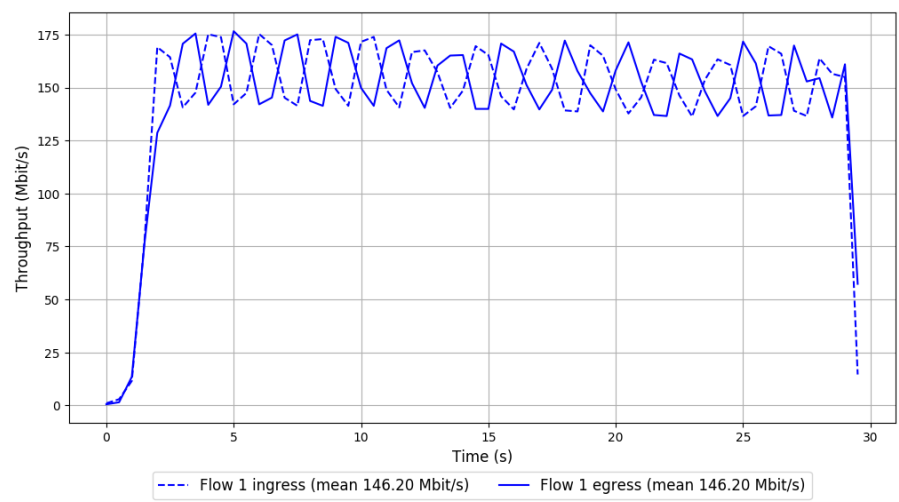
-- Flow 1:

Average throughput: 146.20 Mbit/s

95th percentile per-packet one-way delay: 110.894 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 02:26:49

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

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.88 Mbit/s

95th percentile per-packet one-way delay: 110.919 ms

Loss rate: 0.00%

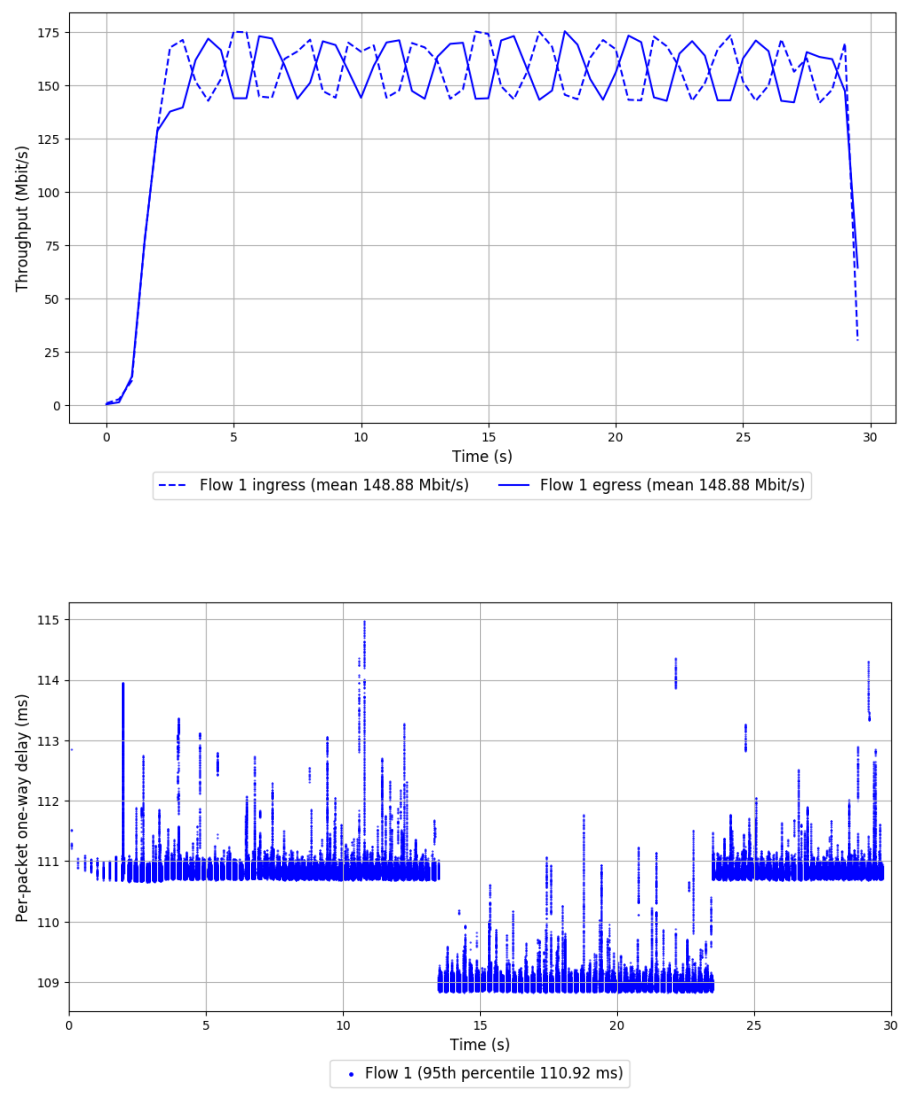
-- Flow 1:

Average throughput: 148.88 Mbit/s

95th percentile per-packet one-way delay: 110.919 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 02:42:34

End at: 2018-02-16 02:43:04

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.50 Mbit/s

95th percentile per-packet one-way delay: 111.561 ms

Loss rate: 0.00%

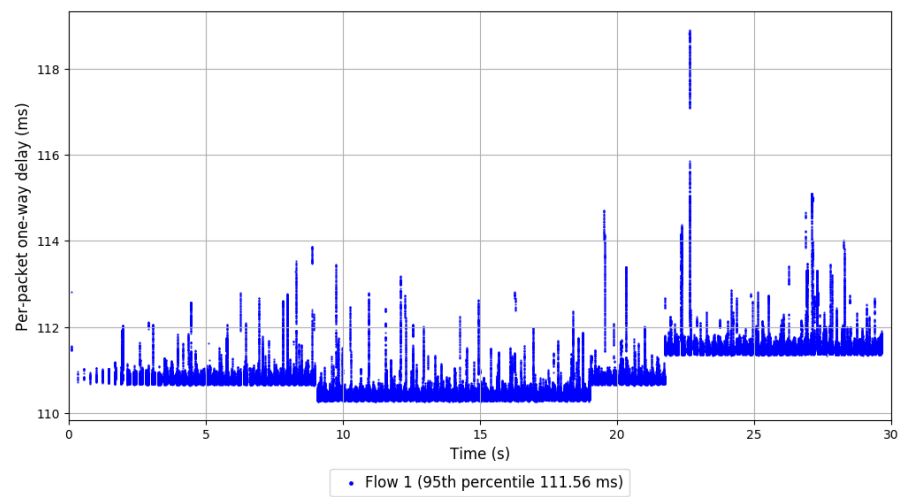
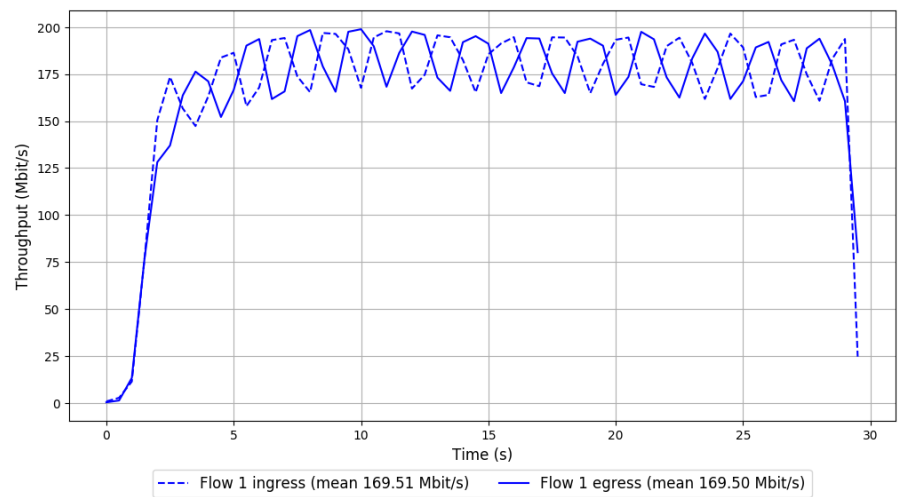
-- Flow 1:

Average throughput: 169.50 Mbit/s

95th percentile per-packet one-way delay: 111.561 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 02:58:19

End at: 2018-02-16 02:58:49

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.25 Mbit/s

95th percentile per-packet one-way delay: 112.763 ms

Loss rate: 0.01%

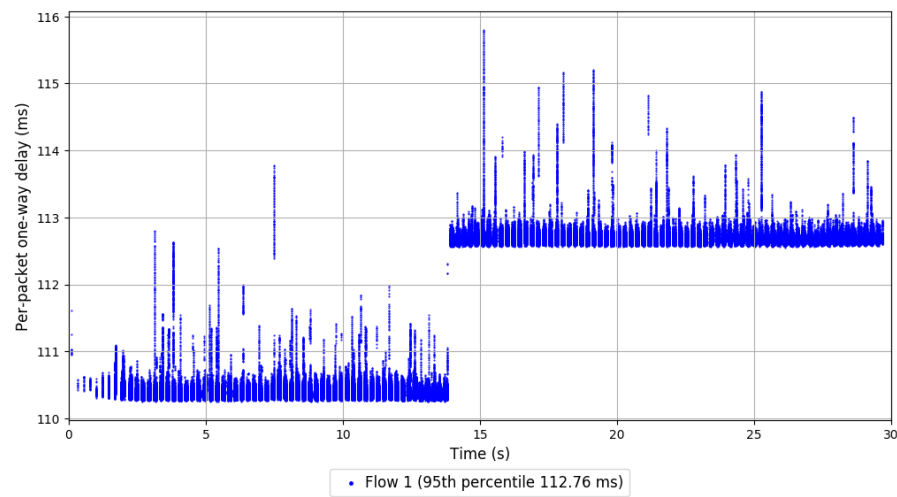
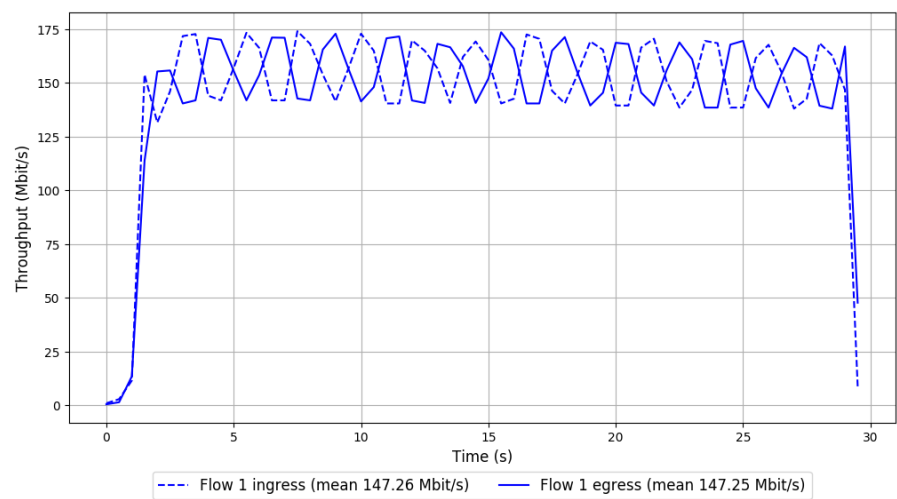
-- Flow 1:

Average throughput: 147.25 Mbit/s

95th percentile per-packet one-way delay: 112.763 ms

Loss rate: 0.01%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 00:42:23

End at: 2018-02-16 00:42:53

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.77 Mbit/s

95th percentile per-packet one-way delay: 157.727 ms

Loss rate: 0.02%

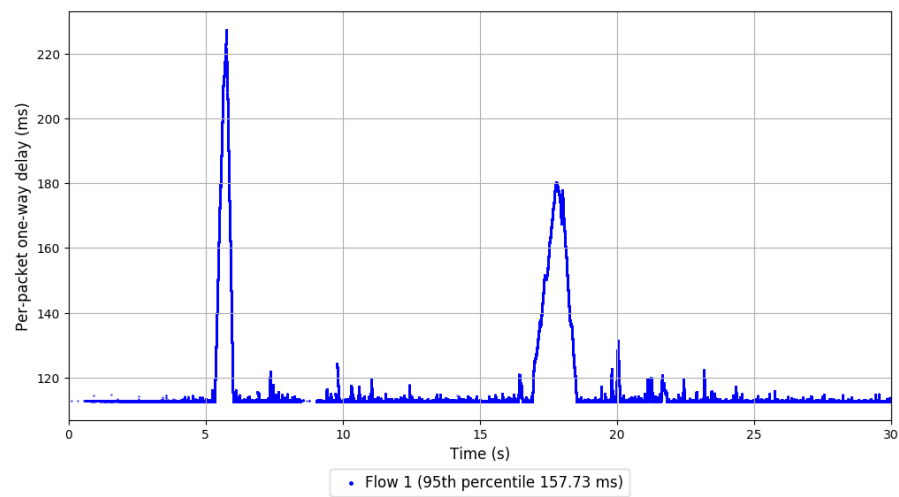
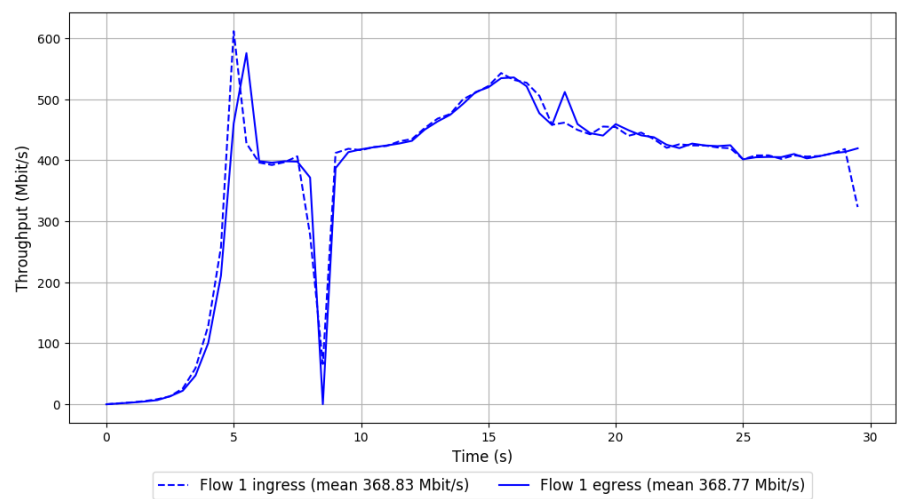
-- Flow 1:

Average throughput: 368.77 Mbit/s

95th percentile per-packet one-way delay: 157.727 ms

Loss rate: 0.02%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 00:58:06

End at: 2018-02-16 00:58:36

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.18 Mbit/s

95th percentile per-packet one-way delay: 120.716 ms

Loss rate: 0.03%

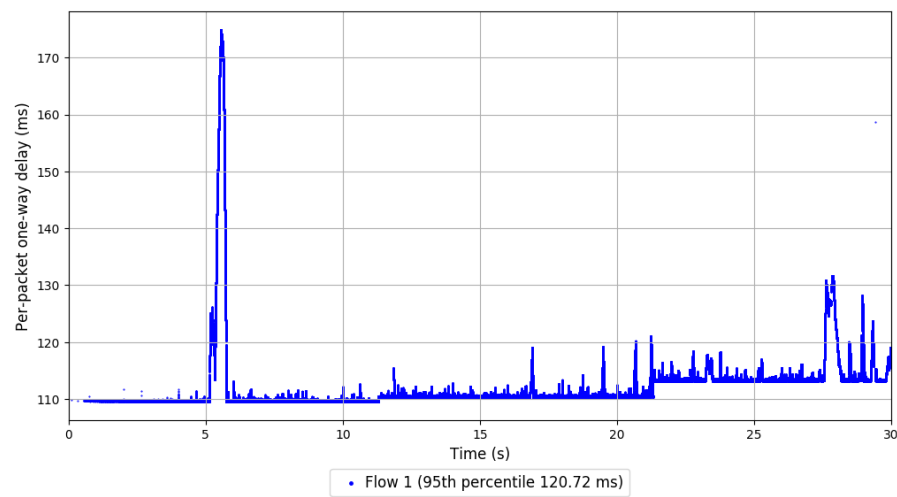
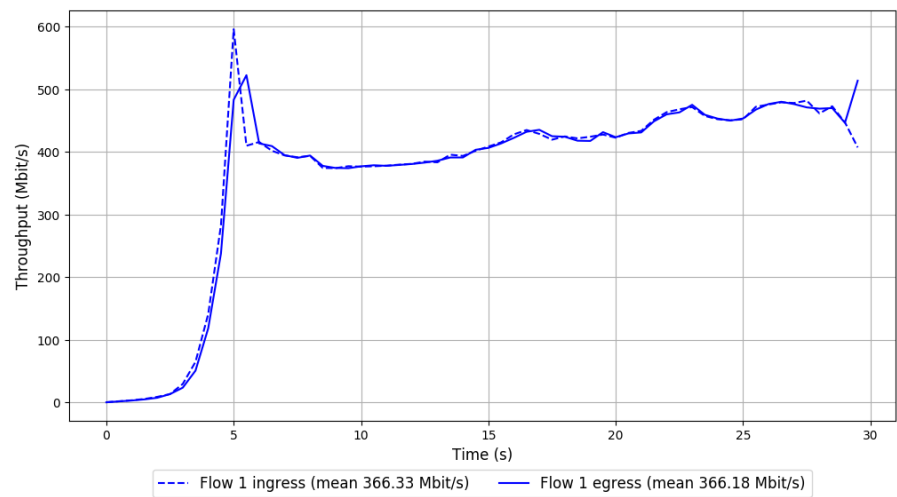
-- Flow 1:

Average throughput: 366.18 Mbit/s

95th percentile per-packet one-way delay: 120.716 ms

Loss rate: 0.03%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 01:13:37

End at: 2018-02-16 01:14:07

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.04 Mbit/s

95th percentile per-packet one-way delay: 184.856 ms

Loss rate: 0.06%

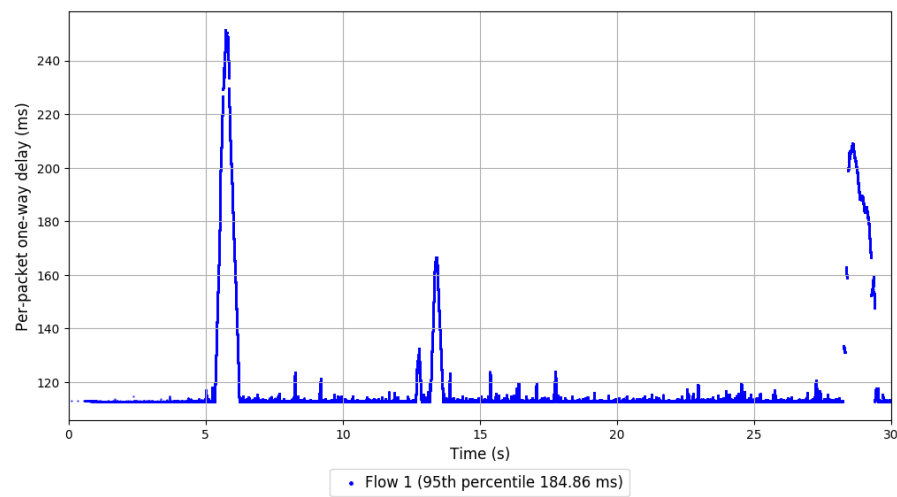
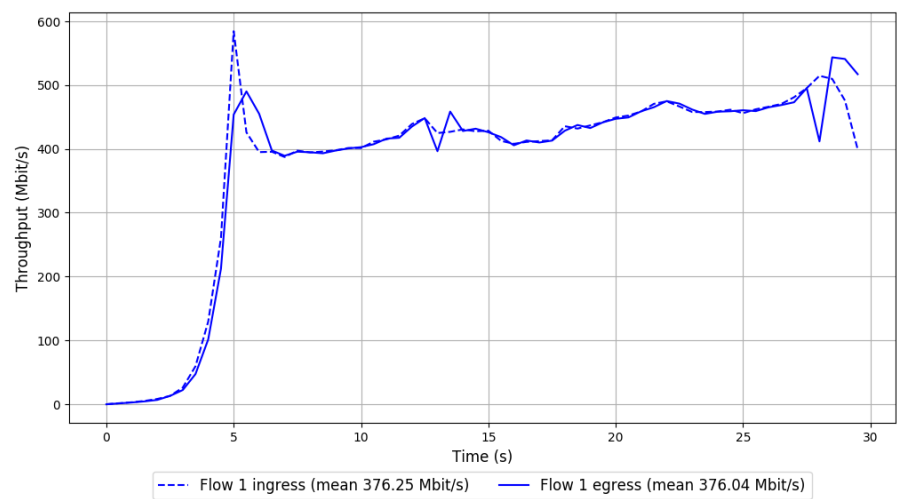
-- Flow 1:

Average throughput: 376.04 Mbit/s

95th percentile per-packet one-way delay: 184.856 ms

Loss rate: 0.06%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 01:28:57

End at: 2018-02-16 01:29:27

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.15 Mbit/s

95th percentile per-packet one-way delay: 119.843 ms

Loss rate: 0.00%

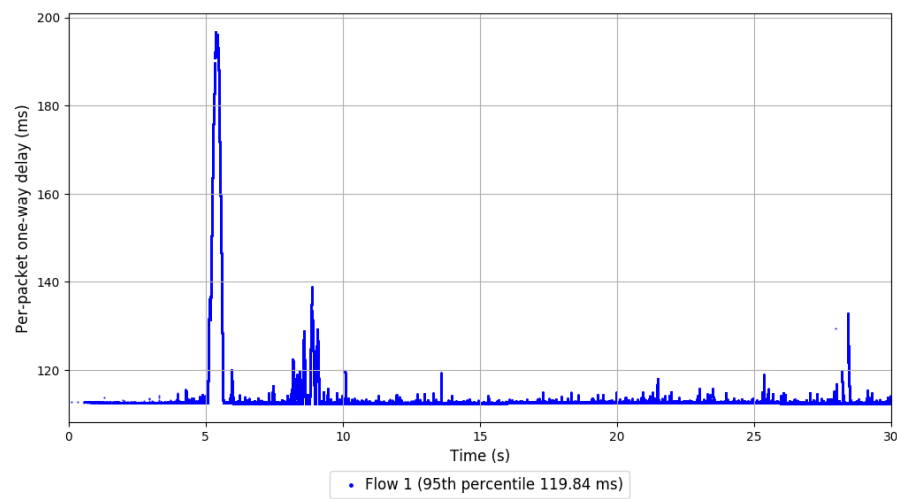
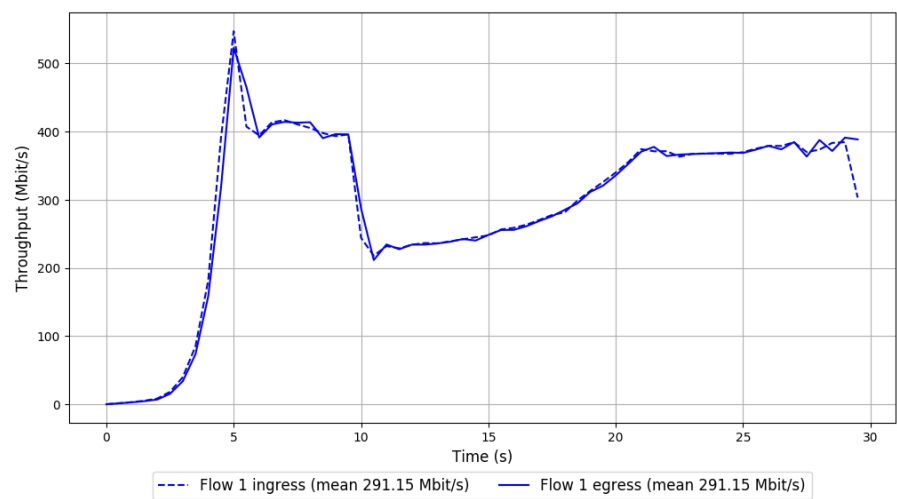
-- Flow 1:

Average throughput: 291.15 Mbit/s

95th percentile per-packet one-way delay: 119.843 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 01:44:23

End at: 2018-02-16 01:44:53

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.23 Mbit/s

95th percentile per-packet one-way delay: 126.909 ms

Loss rate: 0.20%

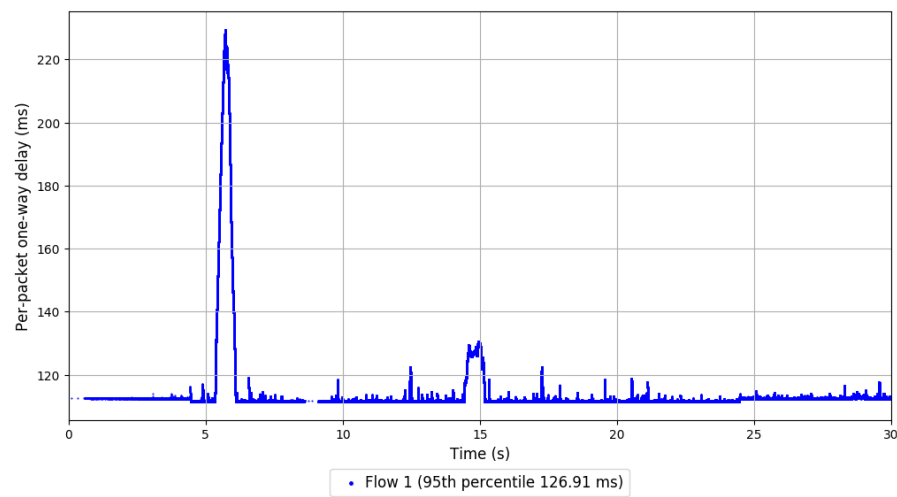
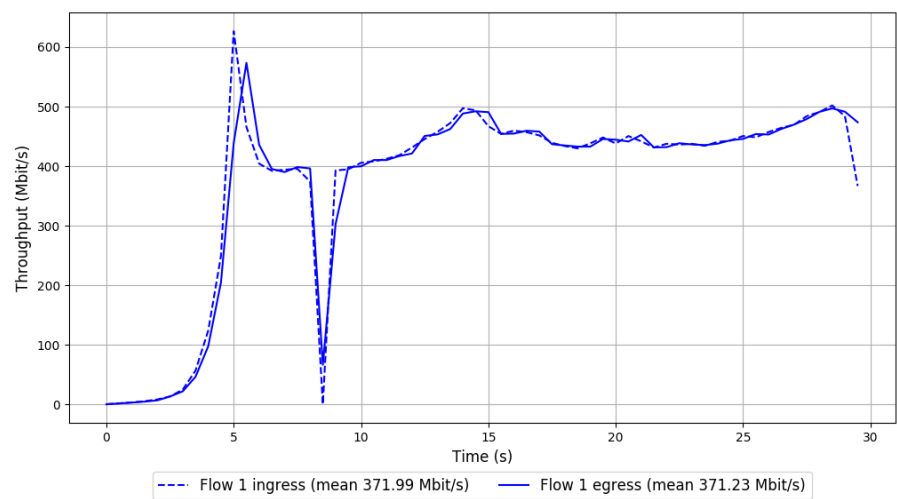
-- Flow 1:

Average throughput: 371.23 Mbit/s

95th percentile per-packet one-way delay: 126.909 ms

Loss rate: 0.20%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 02:00:02

End at: 2018-02-16 02:00:32

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.12 Mbit/s

95th percentile per-packet one-way delay: 122.792 ms

Loss rate: 0.17%

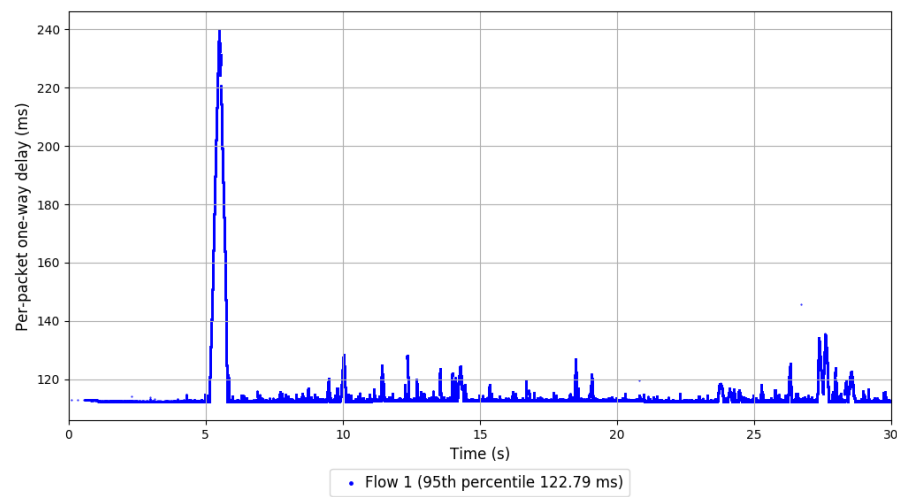
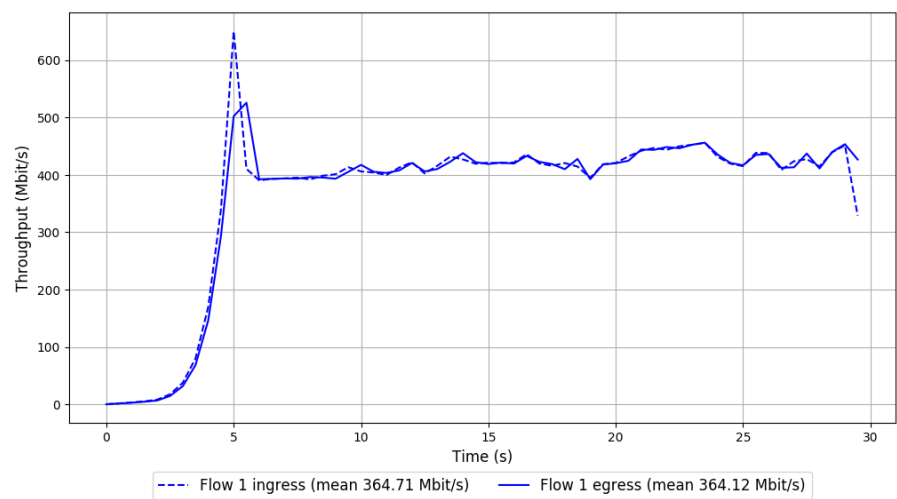
-- Flow 1:

Average throughput: 364.12 Mbit/s

95th percentile per-packet one-way delay: 122.792 ms

Loss rate: 0.17%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 02:15:43

End at: 2018-02-16 02:16:13

Below is generated by plot.py at 2018-02-16 05:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.97 Mbit/s

95th percentile per-packet one-way delay: 115.885 ms

Loss rate: 0.00%

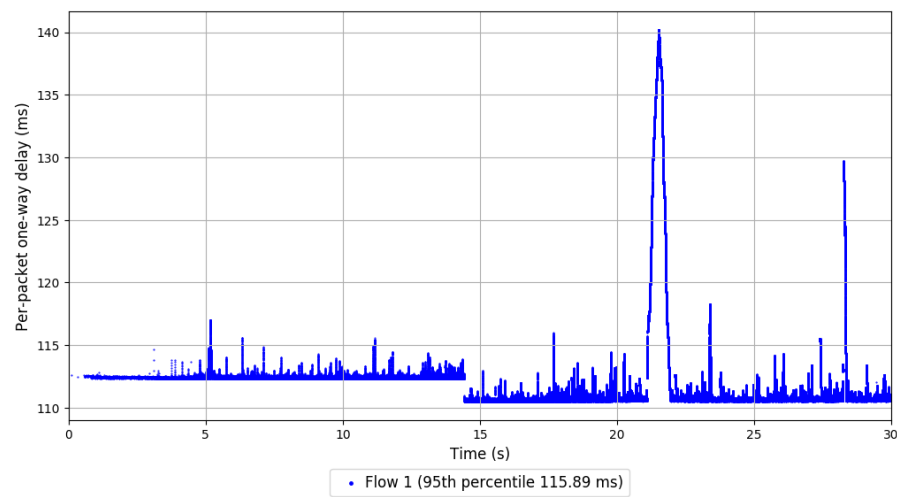
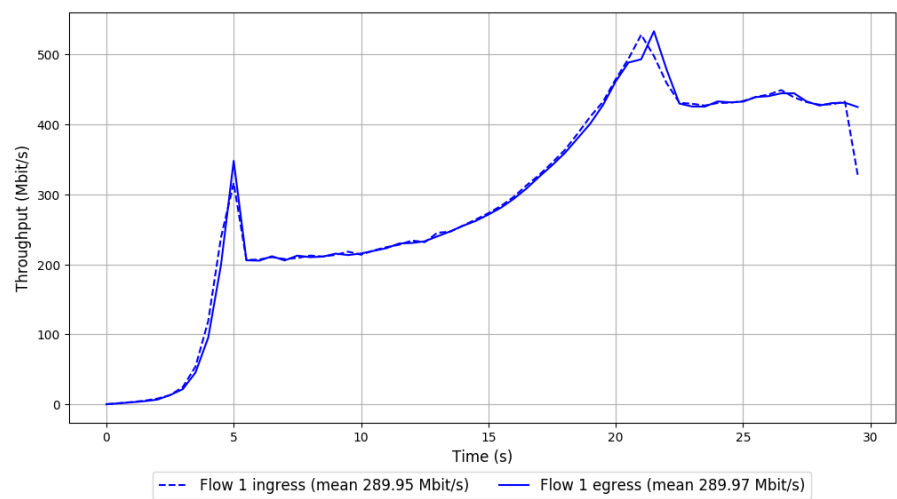
-- Flow 1:

Average throughput: 289.97 Mbit/s

95th percentile per-packet one-way delay: 115.885 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 02:31:03

End at: 2018-02-16 02:31:33

Below is generated by plot.py at 2018-02-16 05:30:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.52 Mbit/s

95th percentile per-packet one-way delay: 156.697 ms

Loss rate: 0.21%

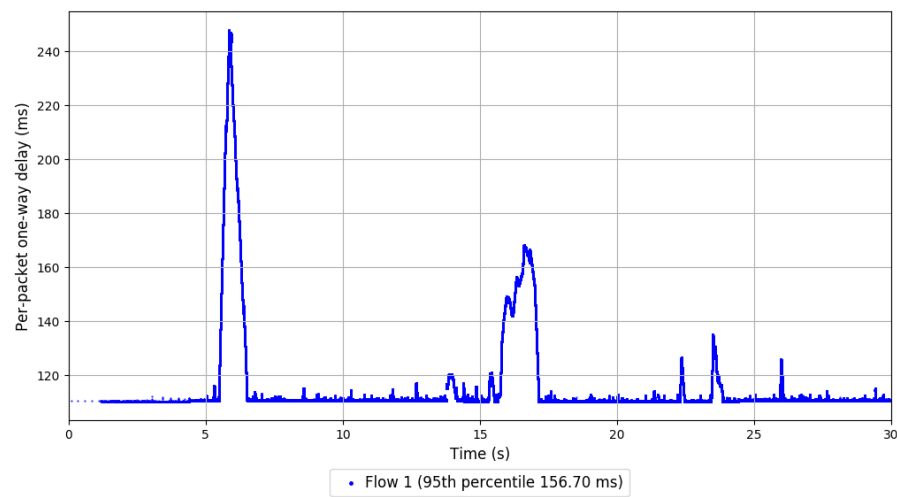
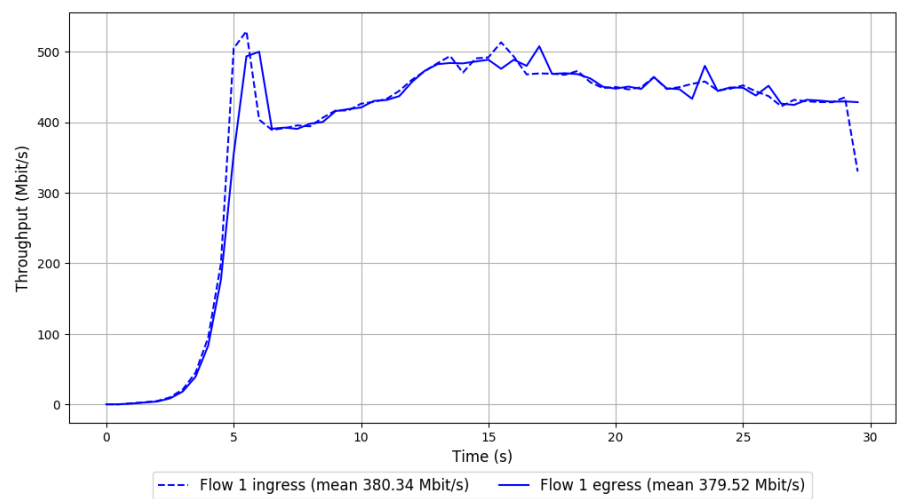
-- Flow 1:

Average throughput: 379.52 Mbit/s

95th percentile per-packet one-way delay: 156.697 ms

Loss rate: 0.21%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 02:46:49

End at: 2018-02-16 02:47:19

Below is generated by plot.py at 2018-02-16 05:30:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.07 Mbit/s

95th percentile per-packet one-way delay: 195.754 ms

Loss rate: 0.01%

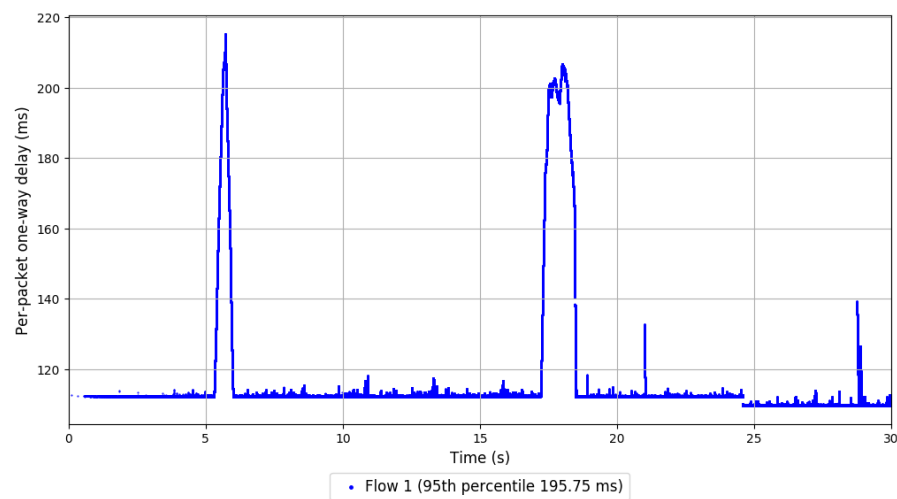
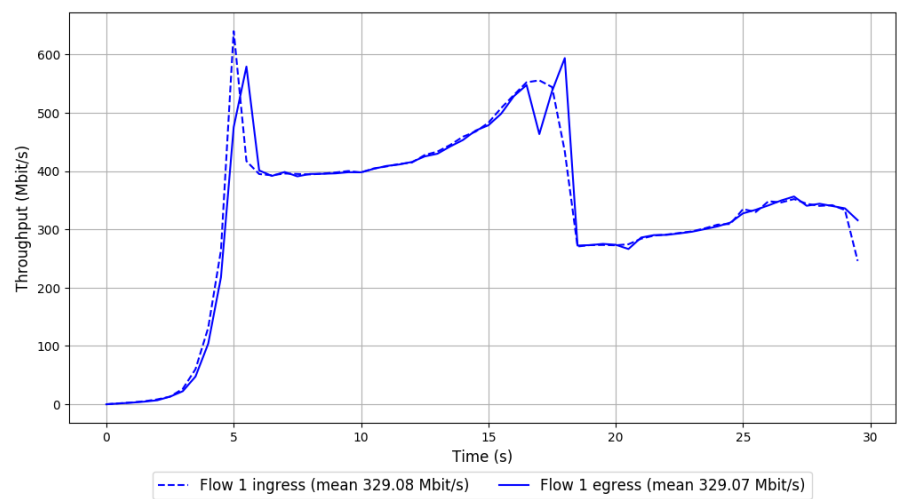
-- Flow 1:

Average throughput: 329.07 Mbit/s

95th percentile per-packet one-way delay: 195.754 ms

Loss rate: 0.01%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 03:02:32

End at: 2018-02-16 03:03:02

Below is generated by plot.py at 2018-02-16 05:31:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.25 Mbit/s

95th percentile per-packet one-way delay: 115.279 ms

Loss rate: 0.00%

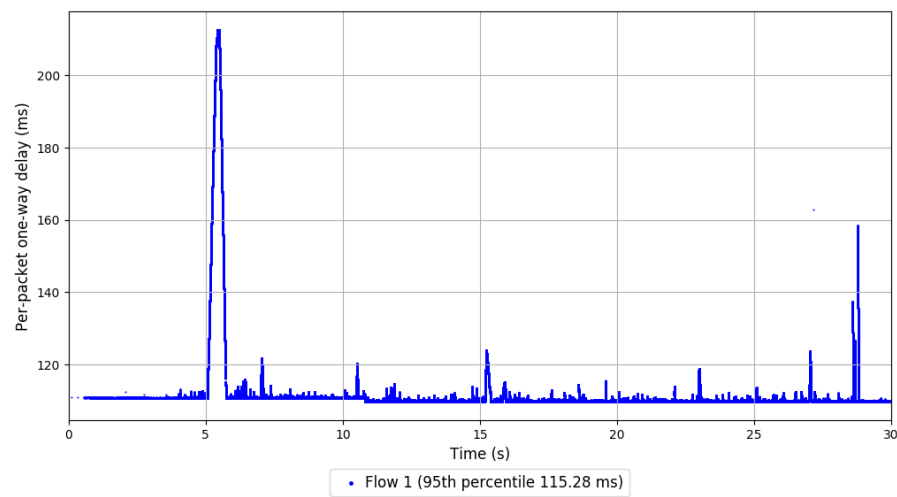
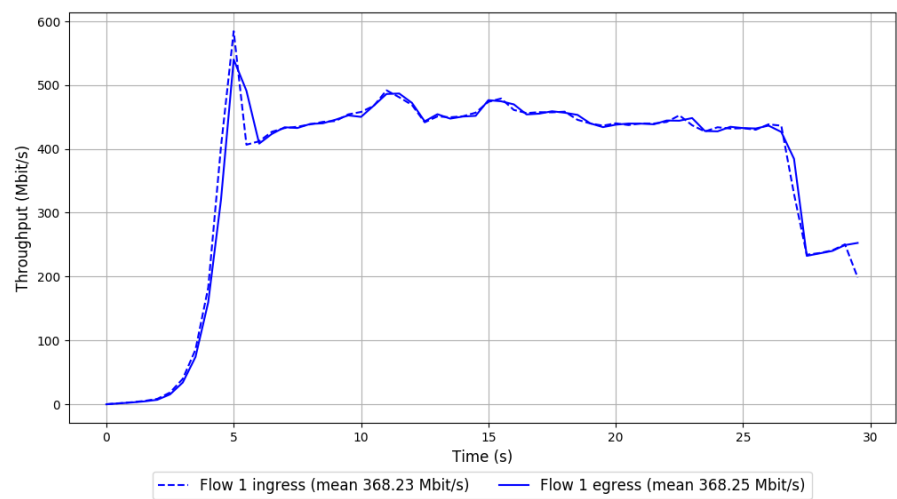
-- Flow 1:

Average throughput: 368.25 Mbit/s

95th percentile per-packet one-way delay: 115.279 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

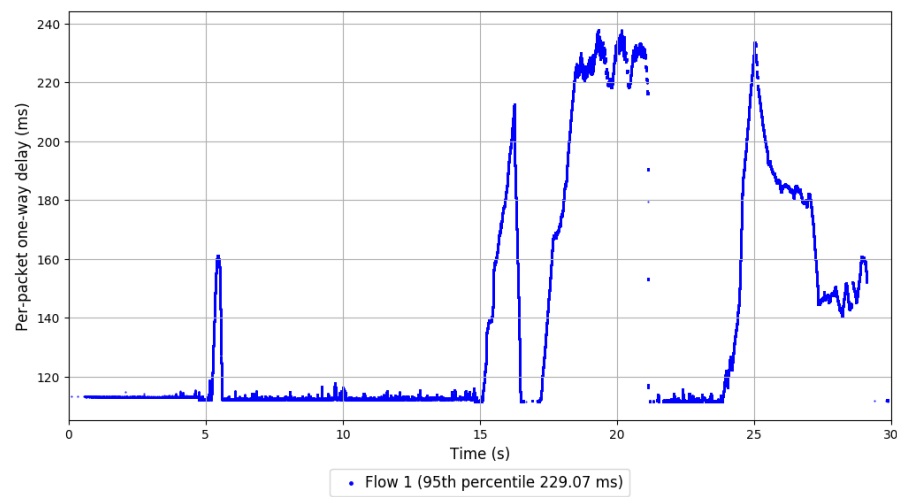
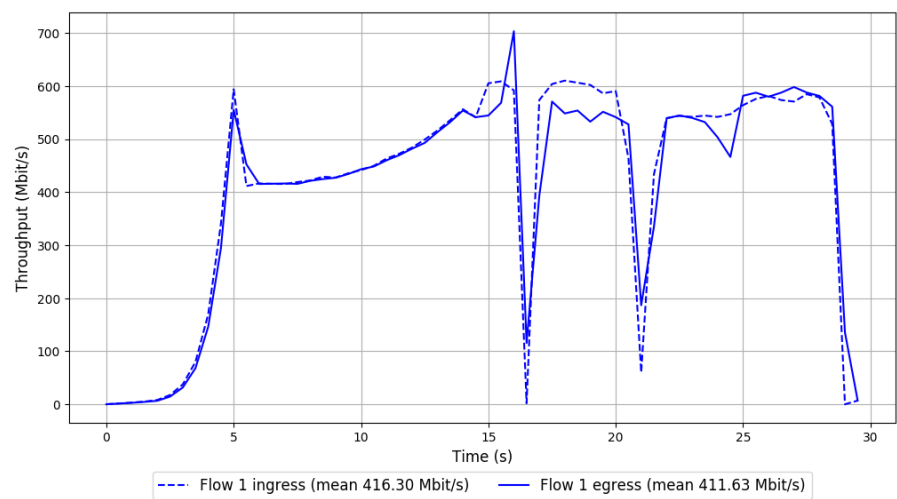


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 00:51:08
End at: 2018-02-16 00:51:38

# Below is generated by plot.py at 2018-02-16 05:32:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 411.63 Mbit/s
95th percentile per-packet one-way delay: 229.067 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 411.63 Mbit/s
95th percentile per-packet one-way delay: 229.067 ms
Loss rate: 1.13%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 01:06:41

End at: 2018-02-16 01:07:11

Below is generated by plot.py at 2018-02-16 05:32:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.51 Mbit/s

95th percentile per-packet one-way delay: 180.682 ms

Loss rate: 0.01%

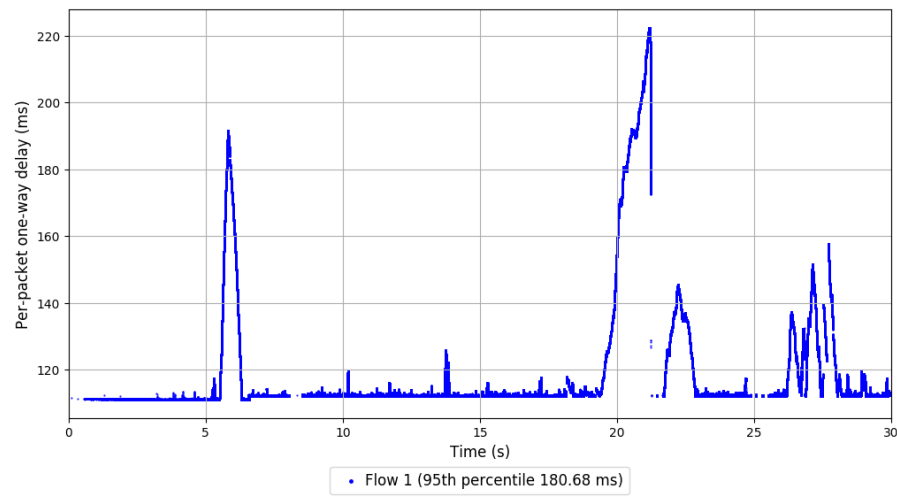
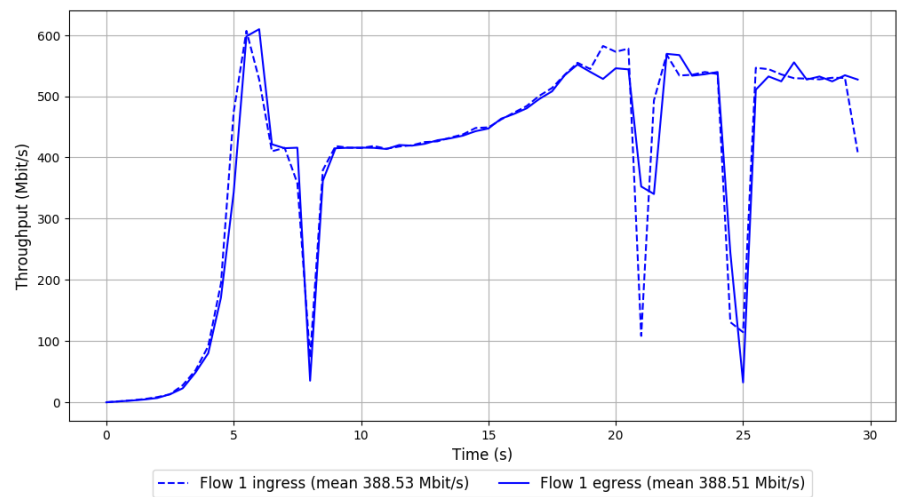
-- Flow 1:

Average throughput: 388.51 Mbit/s

95th percentile per-packet one-way delay: 180.682 ms

Loss rate: 0.01%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 01:22:09

End at: 2018-02-16 01:22:39

Below is generated by plot.py at 2018-02-16 05:32:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.49 Mbit/s

95th percentile per-packet one-way delay: 250.185 ms

Loss rate: 7.65%

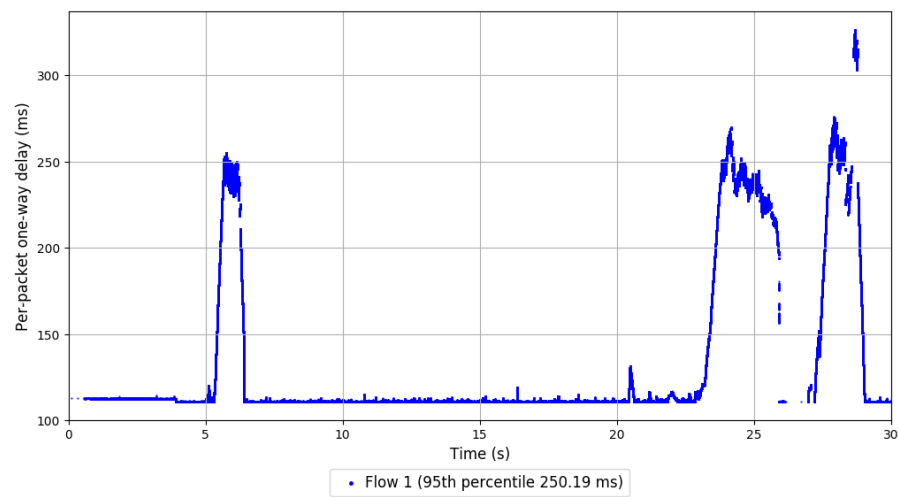
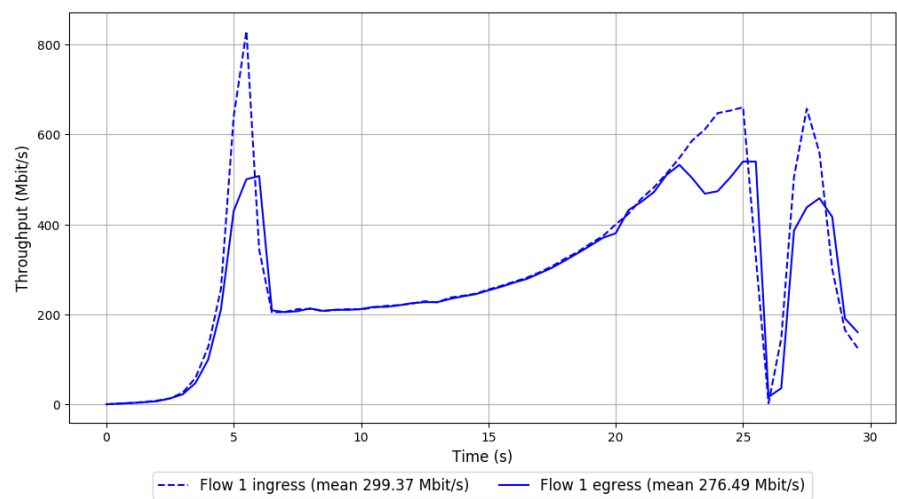
-- Flow 1:

Average throughput: 276.49 Mbit/s

95th percentile per-packet one-way delay: 250.185 ms

Loss rate: 7.65%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 01:37:25

End at: 2018-02-16 01:37:55

Below is generated by plot.py at 2018-02-16 05:35:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.63 Mbit/s

95th percentile per-packet one-way delay: 229.352 ms

Loss rate: 1.33%

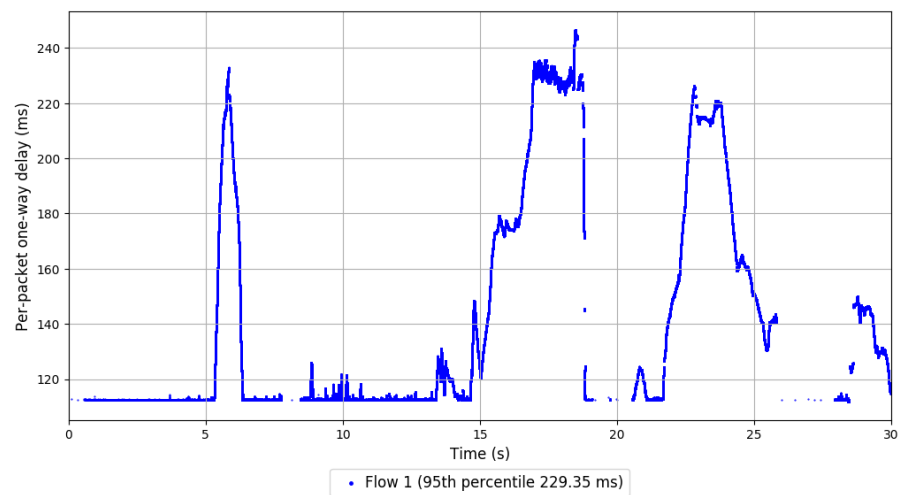
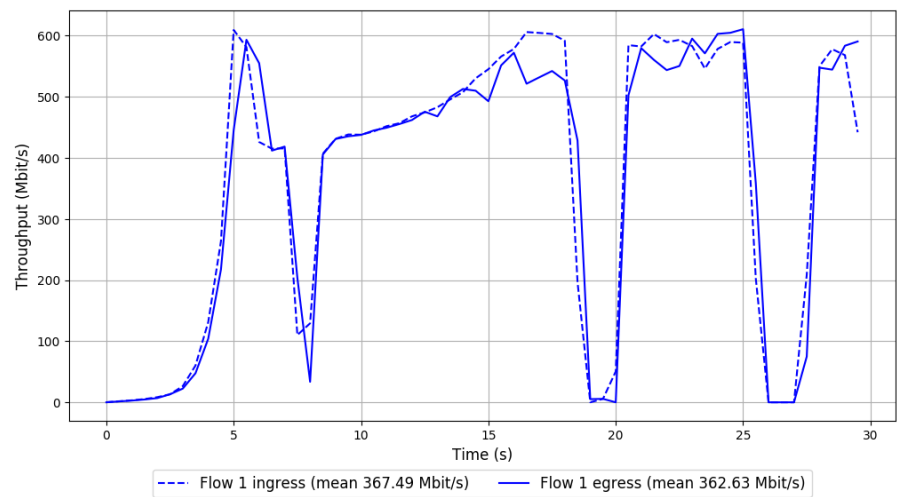
-- Flow 1:

Average throughput: 362.63 Mbit/s

95th percentile per-packet one-way delay: 229.352 ms

Loss rate: 1.33%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 01:53:10

End at: 2018-02-16 01:53:40

Below is generated by plot.py at 2018-02-16 05:35:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.68 Mbit/s

95th percentile per-packet one-way delay: 251.431 ms

Loss rate: 13.30%

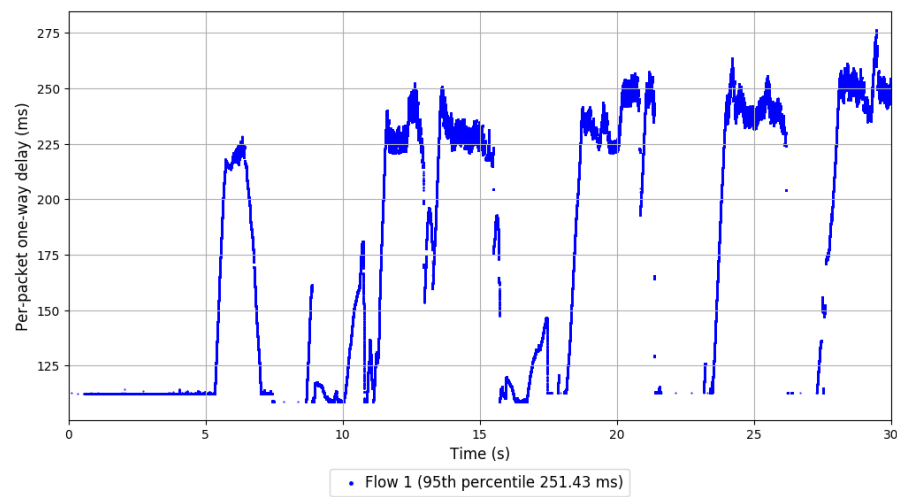
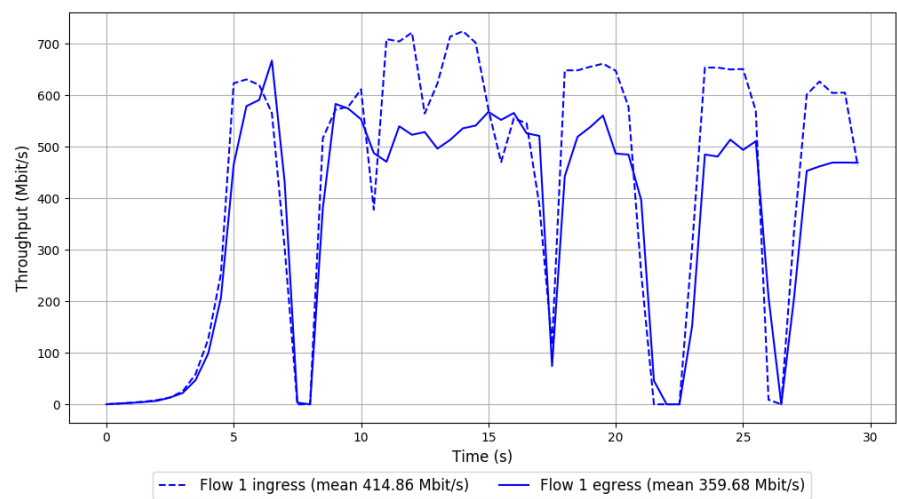
-- Flow 1:

Average throughput: 359.68 Mbit/s

95th percentile per-packet one-way delay: 251.431 ms

Loss rate: 13.30%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 02:08:51

End at: 2018-02-16 02:09:21

Below is generated by plot.py at 2018-02-16 05:35:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.36 Mbit/s

95th percentile per-packet one-way delay: 220.086 ms

Loss rate: 1.33%

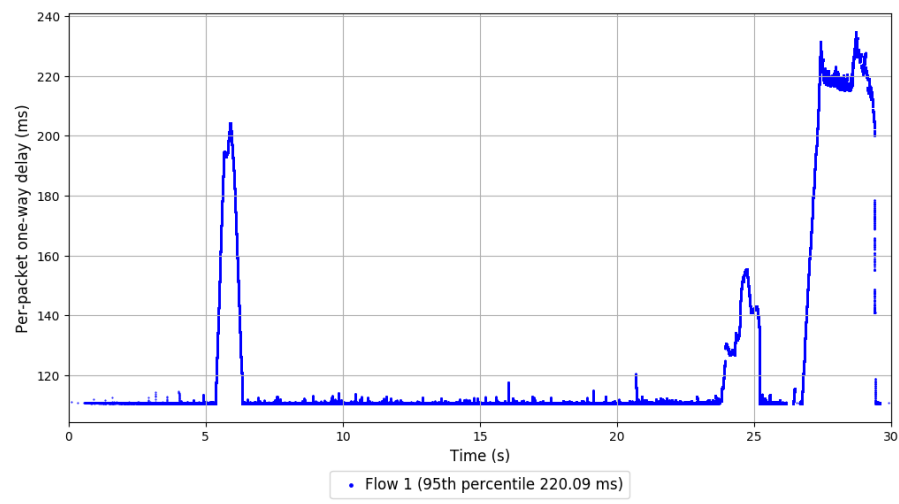
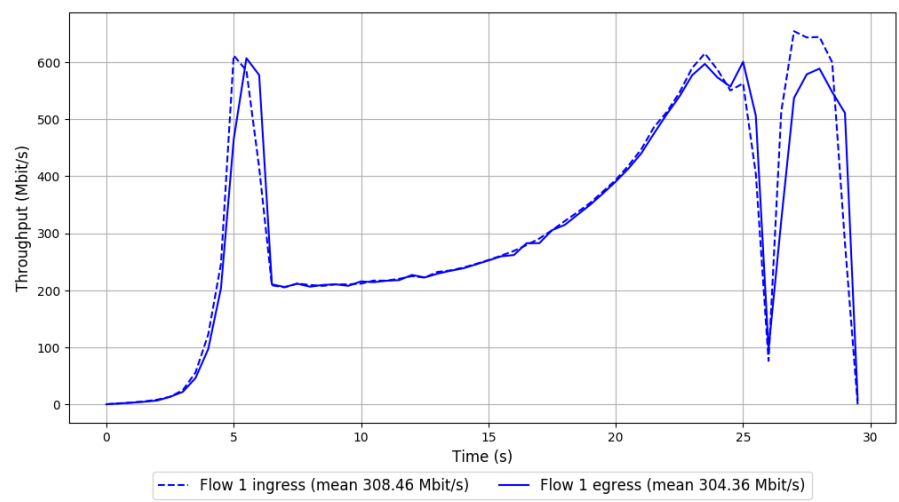
-- Flow 1:

Average throughput: 304.36 Mbit/s

95th percentile per-packet one-way delay: 220.086 ms

Loss rate: 1.33%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 02:24:13

End at: 2018-02-16 02:24:43

Below is generated by plot.py at 2018-02-16 05:35:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.27 Mbit/s

95th percentile per-packet one-way delay: 234.262 ms

Loss rate: 3.83%

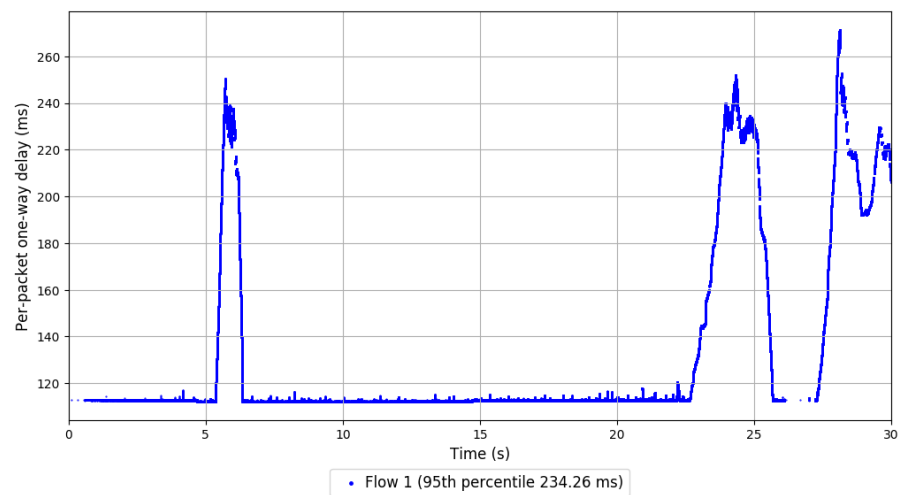
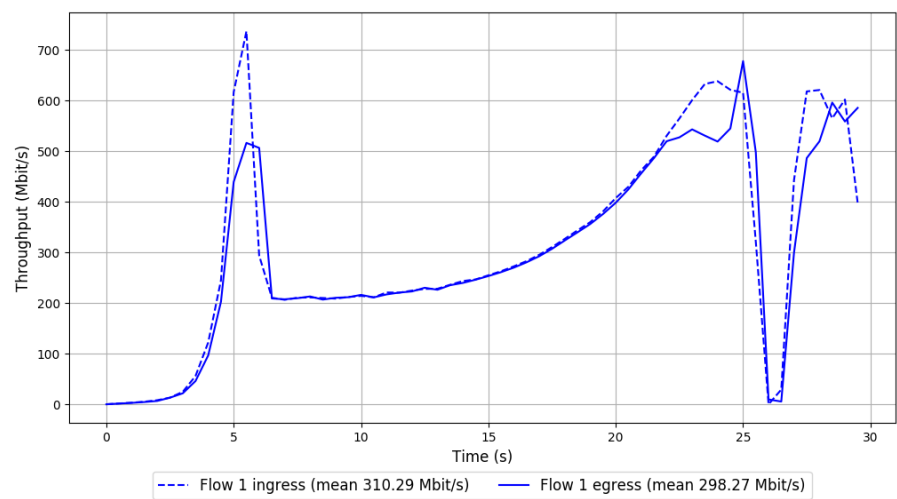
-- Flow 1:

Average throughput: 298.27 Mbit/s

95th percentile per-packet one-way delay: 234.262 ms

Loss rate: 3.83%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 02:39:55

End at: 2018-02-16 02:40:25

Below is generated by plot.py at 2018-02-16 05:37:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.03 Mbit/s

95th percentile per-packet one-way delay: 245.725 ms

Loss rate: 5.91%

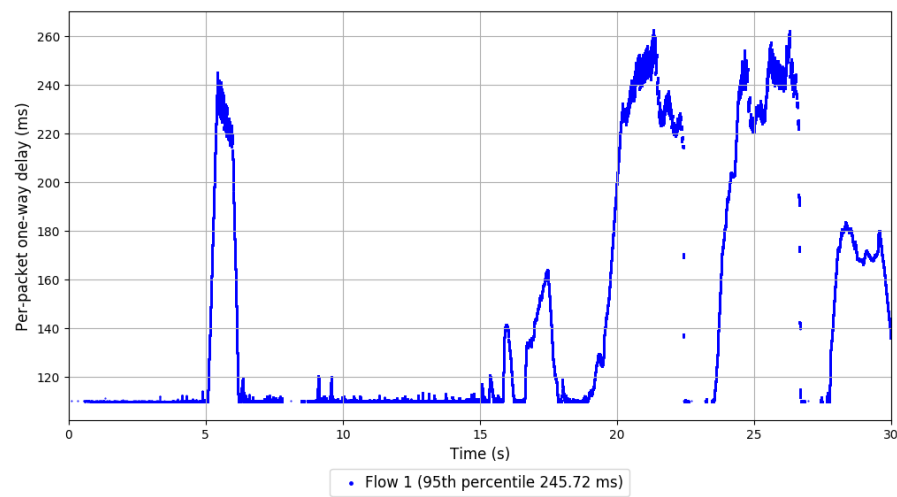
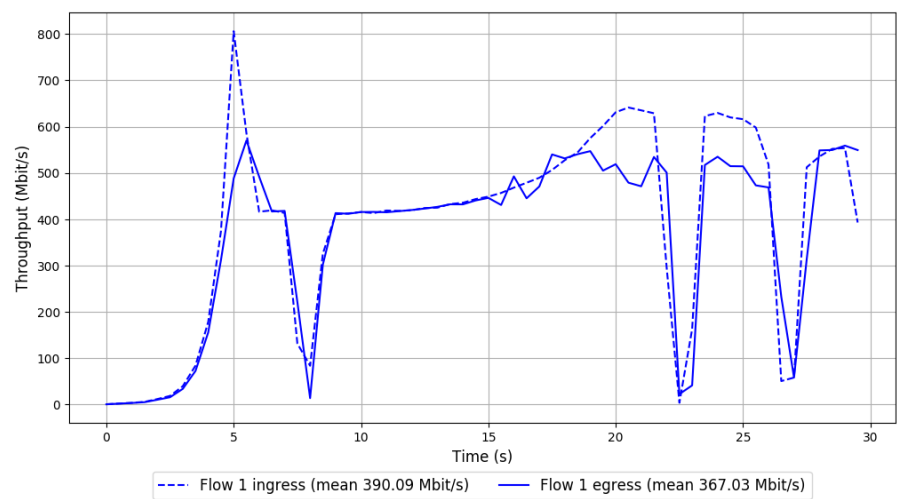
-- Flow 1:

Average throughput: 367.03 Mbit/s

95th percentile per-packet one-way delay: 245.725 ms

Loss rate: 5.91%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 02:55:34

End at: 2018-02-16 02:56:05

Below is generated by plot.py at 2018-02-16 05:38:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 414.69 Mbit/s

95th percentile per-packet one-way delay: 226.809 ms

Loss rate: 0.51%

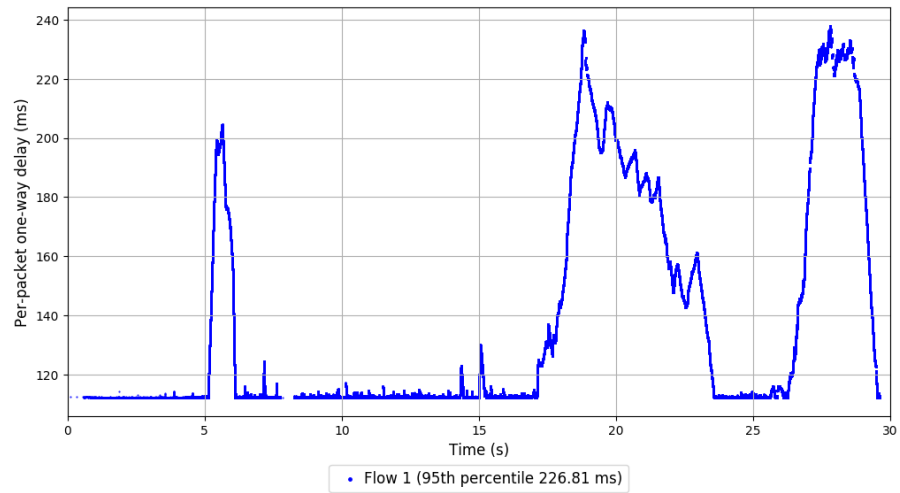
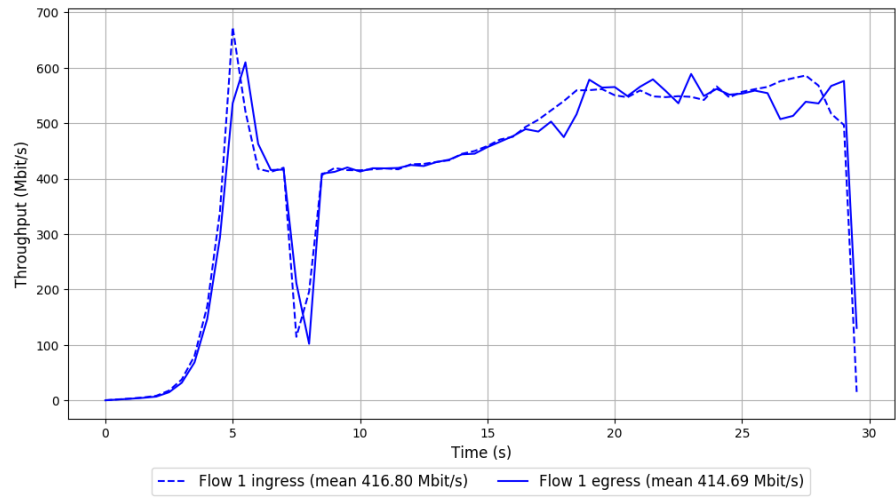
-- Flow 1:

Average throughput: 414.69 Mbit/s

95th percentile per-packet one-way delay: 226.809 ms

Loss rate: 0.51%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 03:11:17

End at: 2018-02-16 03:11:47

Below is generated by plot.py at 2018-02-16 05:38:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.42 Mbit/s

95th percentile per-packet one-way delay: 222.923 ms

Loss rate: 1.64%

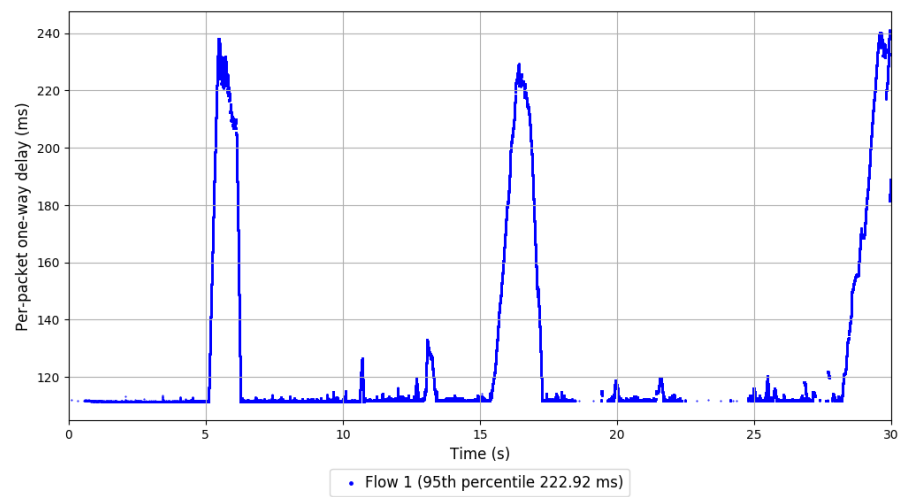
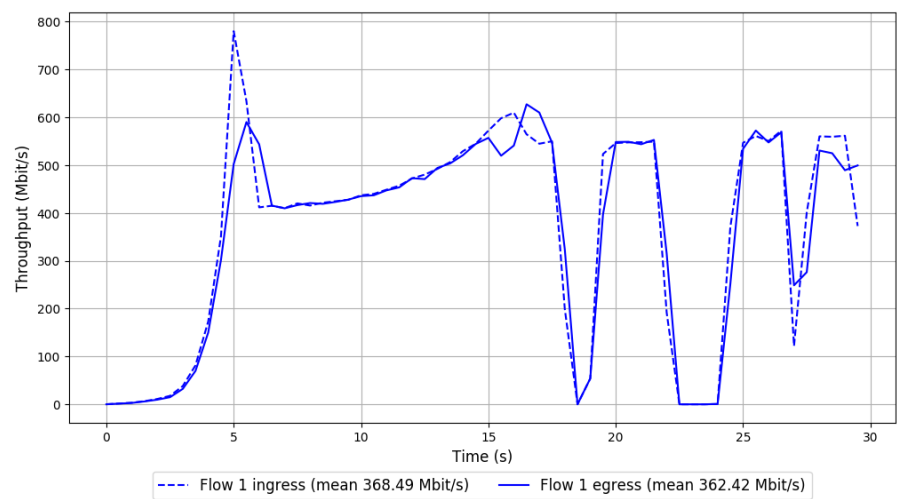
-- Flow 1:

Average throughput: 362.42 Mbit/s

95th percentile per-packet one-way delay: 222.923 ms

Loss rate: 1.64%

Run 10: Report of Vivace-loss — Data Link

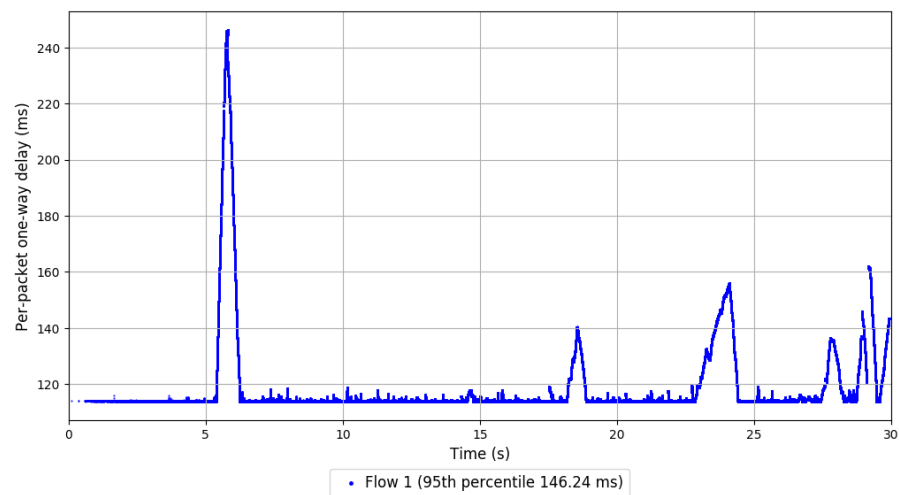
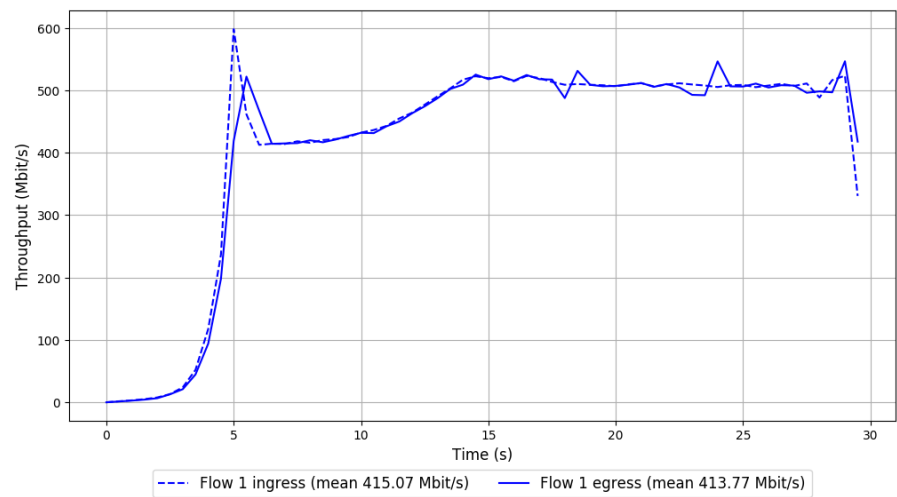


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 00:41:13
End at: 2018-02-16 00:41:43

# Below is generated by plot.py at 2018-02-16 05:40:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 413.77 Mbit/s
95th percentile per-packet one-way delay: 146.235 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 413.77 Mbit/s
95th percentile per-packet one-way delay: 146.235 ms
Loss rate: 0.31%
```

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 00:56:59

End at: 2018-02-16 00:57:29

Below is generated by plot.py at 2018-02-16 05:41:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.79 Mbit/s

95th percentile per-packet one-way delay: 118.711 ms

Loss rate: 0.15%

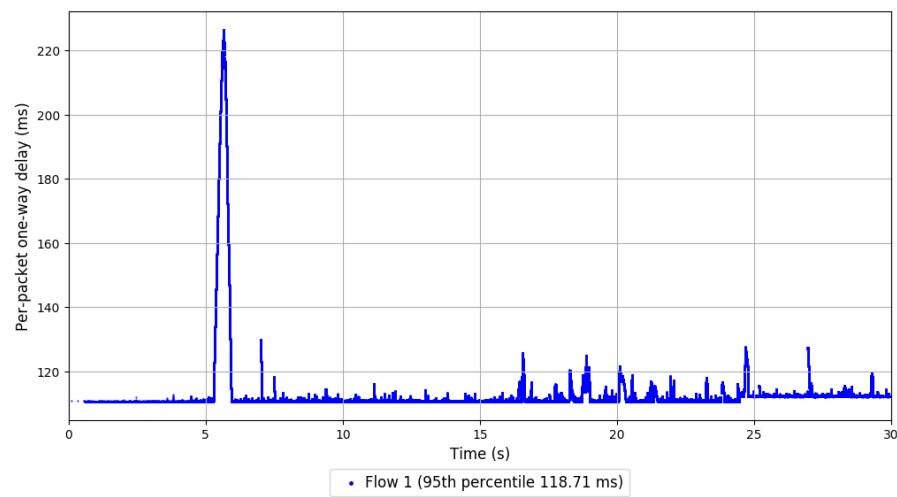
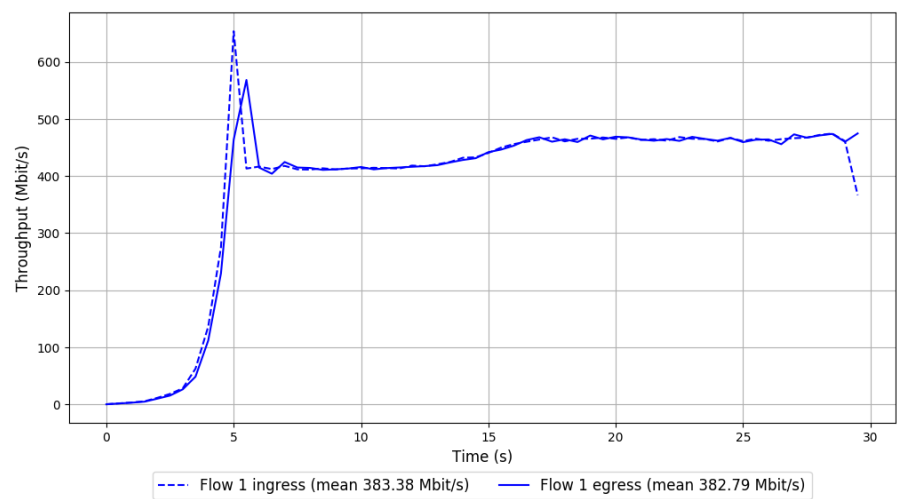
-- Flow 1:

Average throughput: 382.79 Mbit/s

95th percentile per-packet one-way delay: 118.711 ms

Loss rate: 0.15%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 01:12:27

End at: 2018-02-16 01:12:57

Below is generated by plot.py at 2018-02-16 05:41:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 393.83 Mbit/s

95th percentile per-packet one-way delay: 118.889 ms

Loss rate: 0.23%

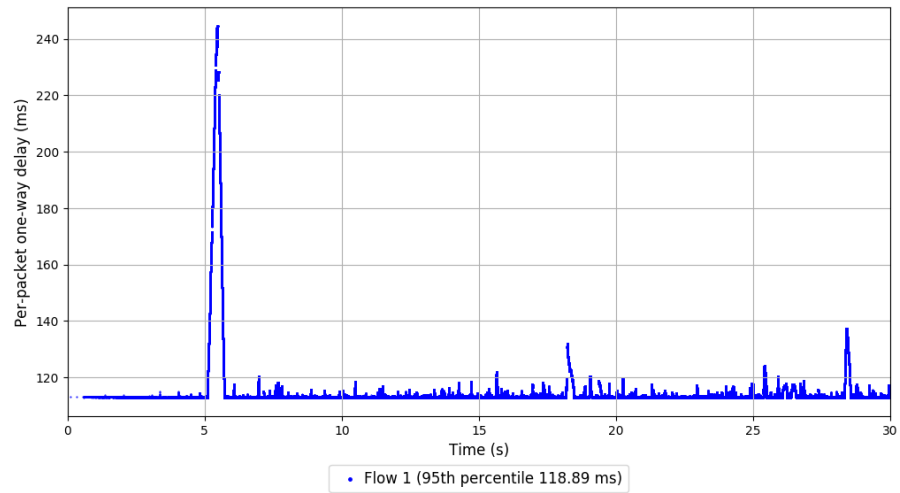
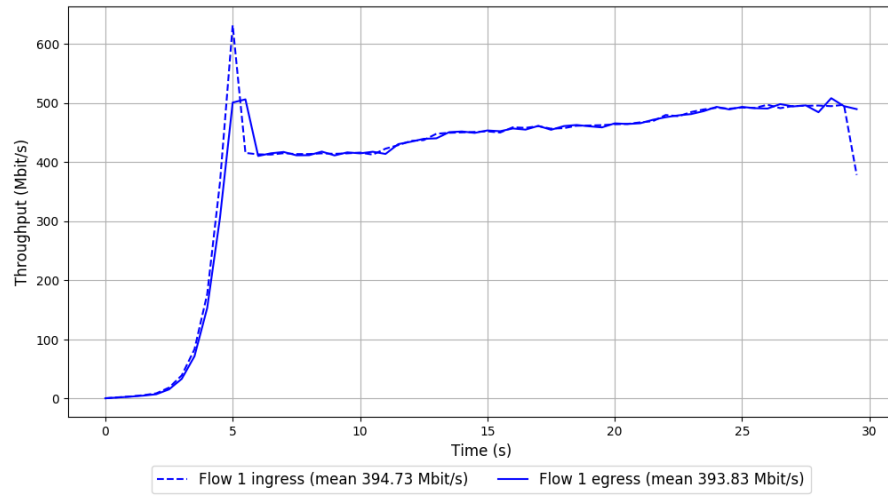
-- Flow 1:

Average throughput: 393.83 Mbit/s

95th percentile per-packet one-way delay: 118.889 ms

Loss rate: 0.23%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 01:27:48

End at: 2018-02-16 01:28:18

Below is generated by plot.py at 2018-02-16 05:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.70 Mbit/s

95th percentile per-packet one-way delay: 197.600 ms

Loss rate: 0.37%

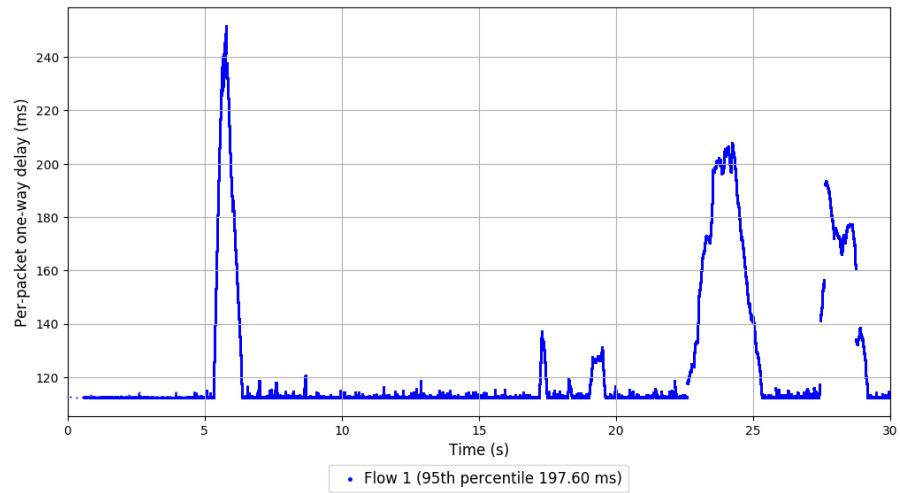
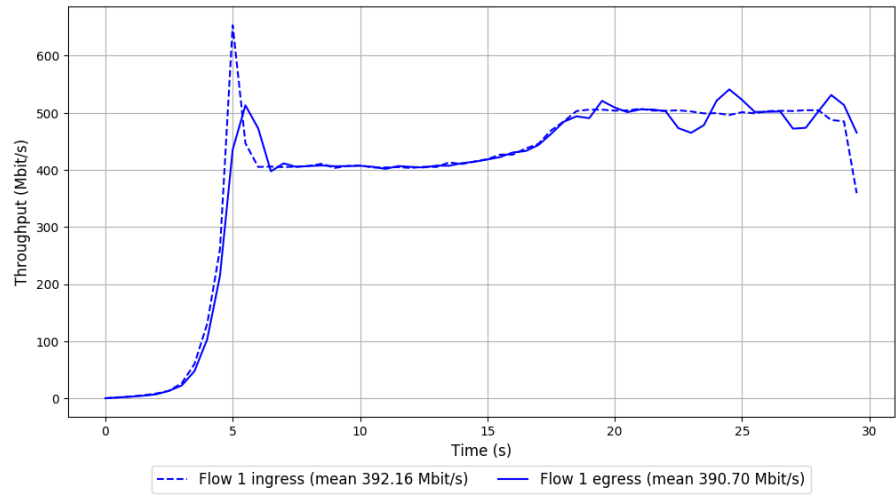
-- Flow 1:

Average throughput: 390.70 Mbit/s

95th percentile per-packet one-way delay: 197.600 ms

Loss rate: 0.37%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 01:43:15

End at: 2018-02-16 01:43:45

Below is generated by plot.py at 2018-02-16 05:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.92 Mbit/s

95th percentile per-packet one-way delay: 146.712 ms

Loss rate: 0.22%

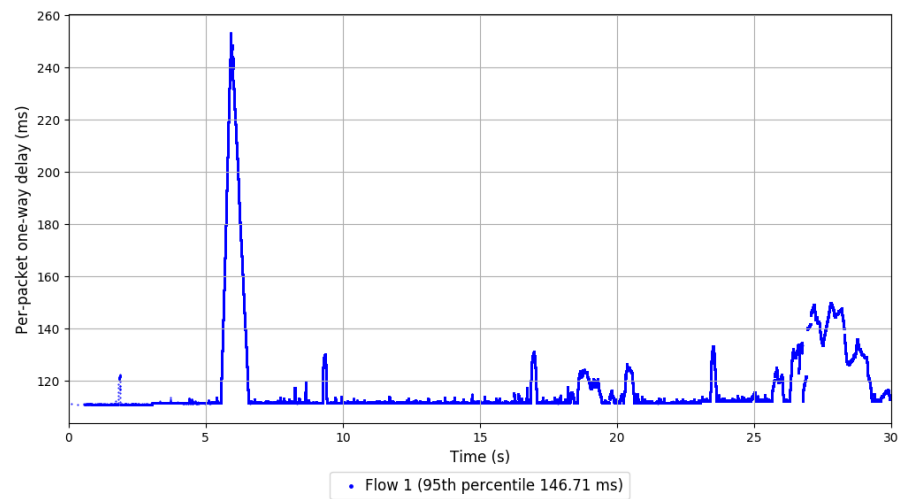
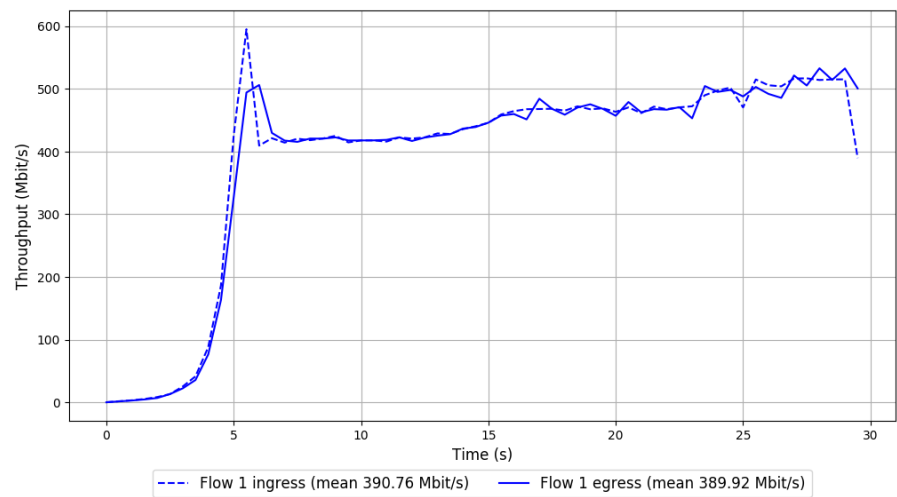
-- Flow 1:

Average throughput: 389.92 Mbit/s

95th percentile per-packet one-way delay: 146.712 ms

Loss rate: 0.22%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 01:58:55

End at: 2018-02-16 01:59:25

Below is generated by plot.py at 2018-02-16 05:43:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.72 Mbit/s

95th percentile per-packet one-way delay: 126.532 ms

Loss rate: 0.32%

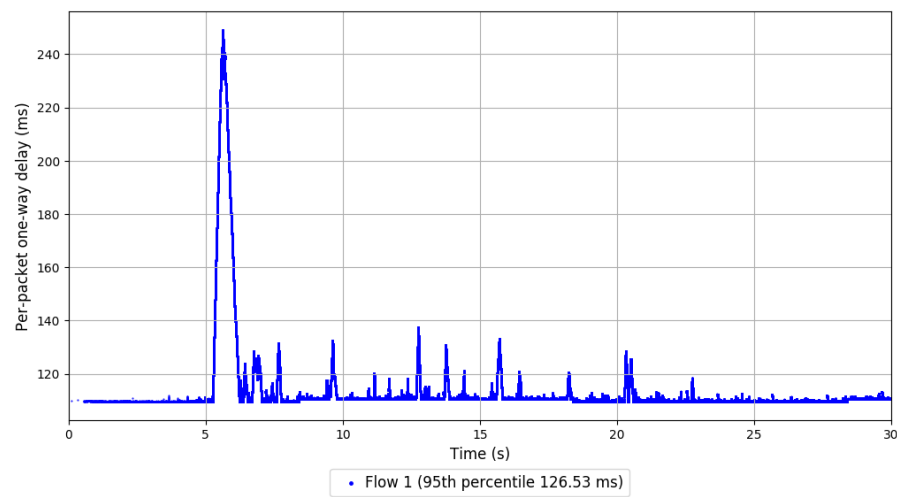
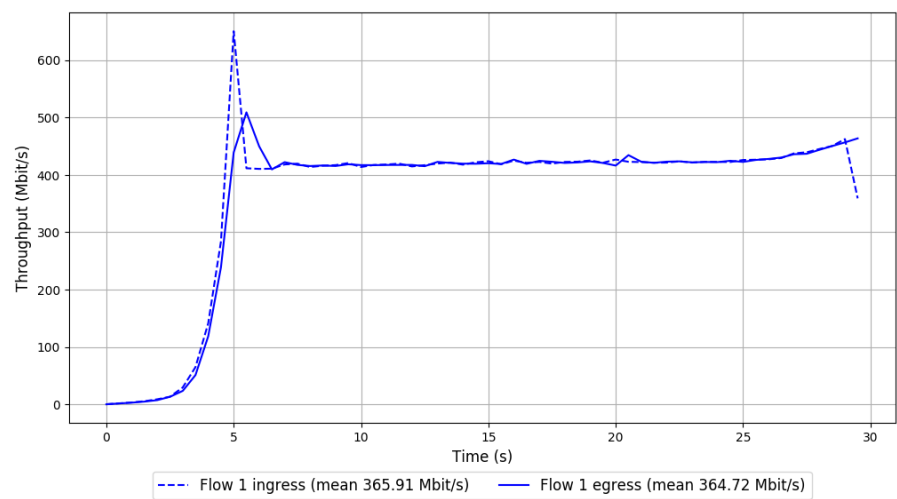
-- Flow 1:

Average throughput: 364.72 Mbit/s

95th percentile per-packet one-way delay: 126.532 ms

Loss rate: 0.32%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 02:14:35

End at: 2018-02-16 02:15:05

Below is generated by plot.py at 2018-02-16 05:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.20 Mbit/s

95th percentile per-packet one-way delay: 181.509 ms

Loss rate: 0.60%

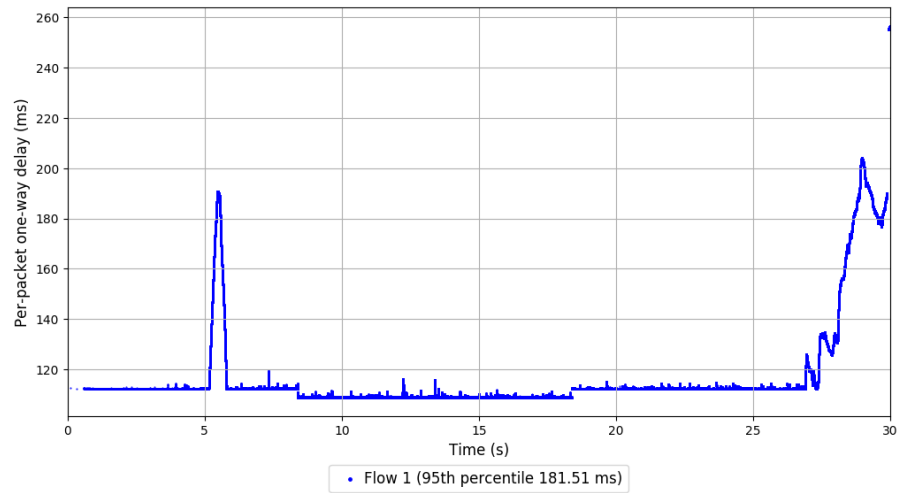
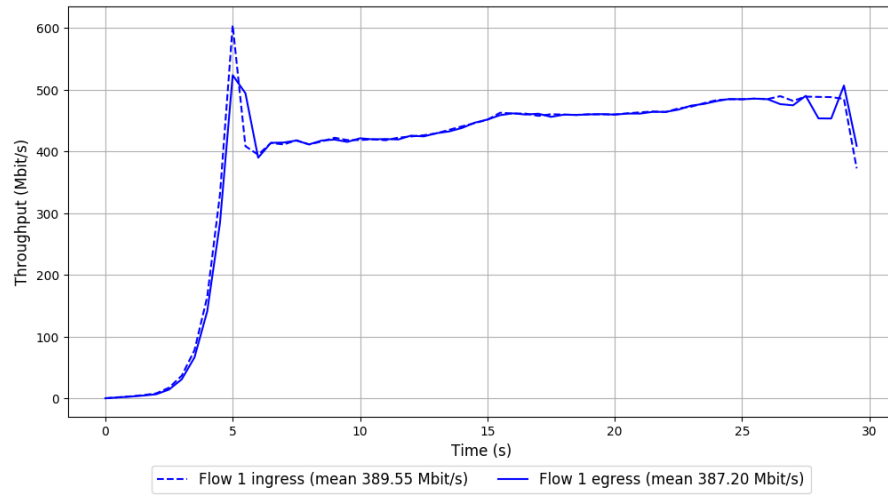
-- Flow 1:

Average throughput: 387.20 Mbit/s

95th percentile per-packet one-way delay: 181.509 ms

Loss rate: 0.60%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 02:29:55

End at: 2018-02-16 02:30:25

Below is generated by plot.py at 2018-02-16 05:43:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.52 Mbit/s

95th percentile per-packet one-way delay: 153.048 ms

Loss rate: 0.00%

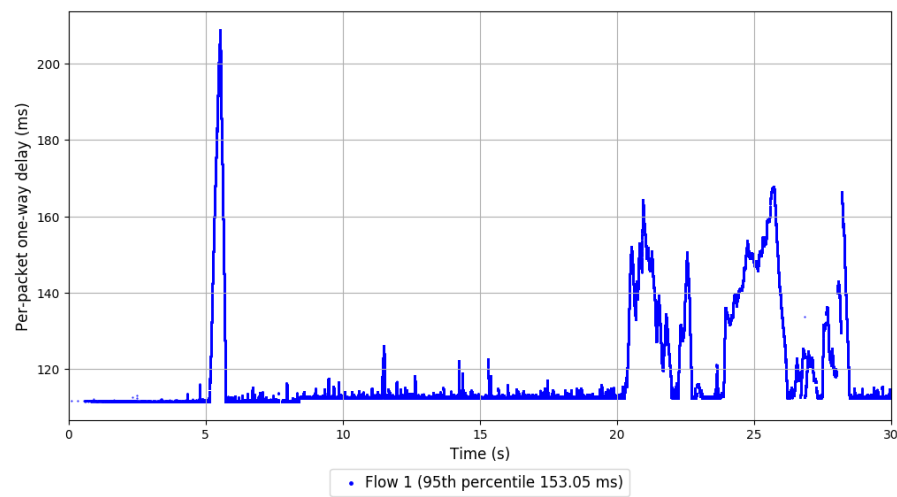
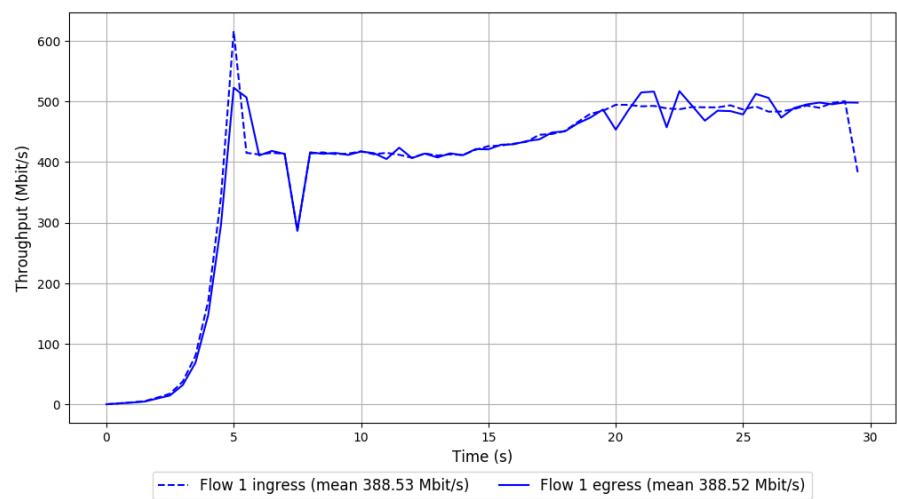
-- Flow 1:

Average throughput: 388.52 Mbit/s

95th percentile per-packet one-way delay: 153.048 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 02:45:40

End at: 2018-02-16 02:46:10

Below is generated by plot.py at 2018-02-16 05:44:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.31 Mbit/s

95th percentile per-packet one-way delay: 118.511 ms

Loss rate: 0.01%

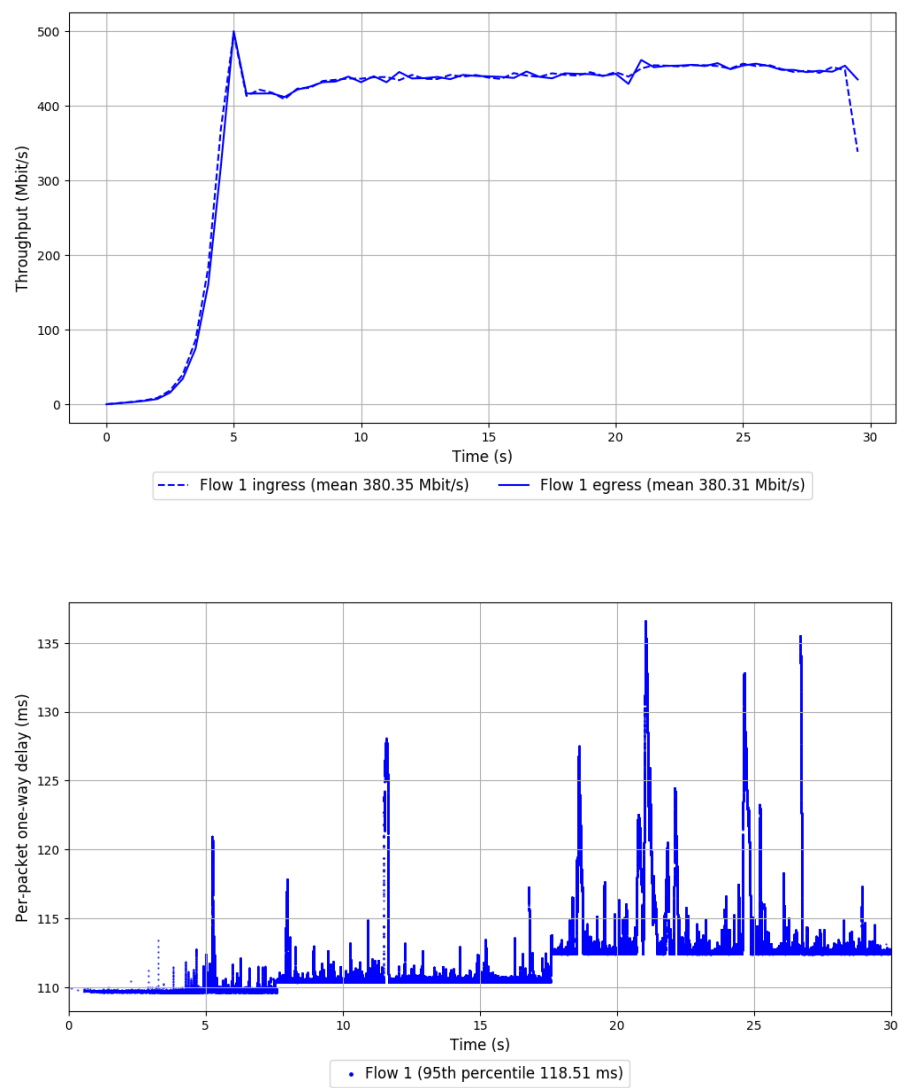
-- Flow 1:

Average throughput: 380.31 Mbit/s

95th percentile per-packet one-way delay: 118.511 ms

Loss rate: 0.01%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 03:01:25
End at: 2018-02-16 03:01:55

# Below is generated by plot.py at 2018-02-16 05:44:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 374.46 Mbit/s
95th percentile per-packet one-way delay: 156.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 374.46 Mbit/s
95th percentile per-packet one-way delay: 156.733 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-LTE — Data Link

