

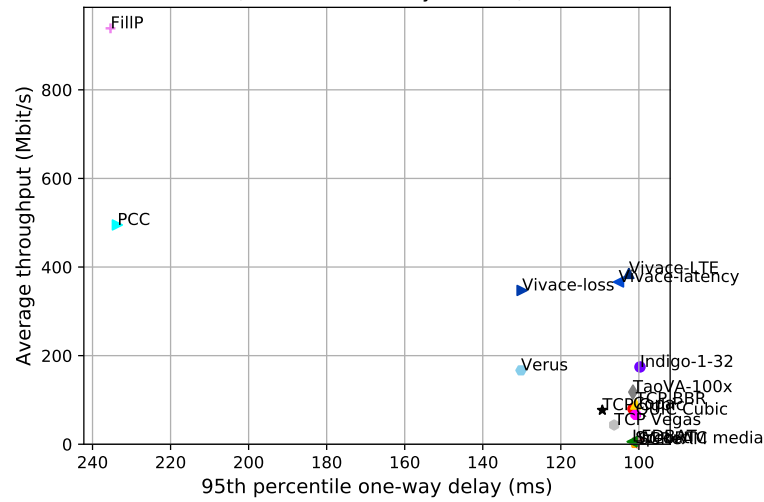
Pantheon Report

Generated at 2018-02-27 12:43:32 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE London Ethernet (*local*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

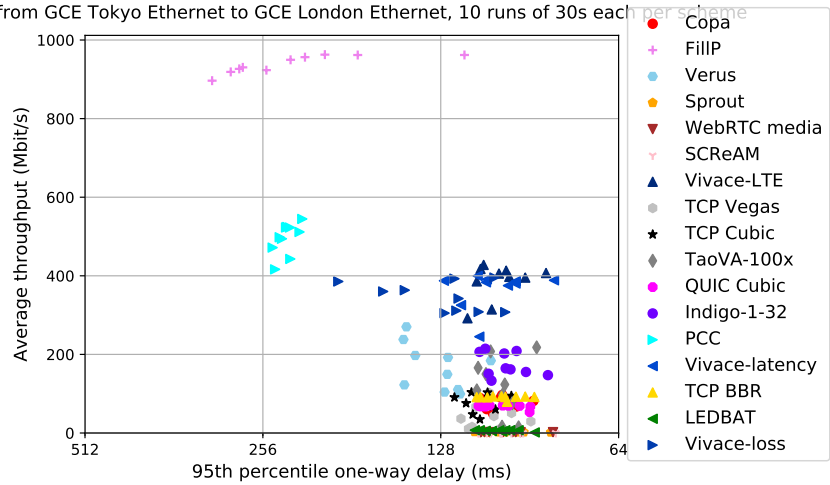
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
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 Tokyo Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	90.74	100.79	0.77
TCP Cubic	10	76.92	109.36	0.72
LEDBAT	10	5.82	101.75	1.58
PCC	10	495.00	233.63	2.97
QUIC Cubic	9	66.88	100.81	0.89
SCReAM	10	0.21	100.12	0.74
WebRTC media	10	2.18	100.32	1.09
Sprout	10	2.27	100.93	1.19
TaoVA-100x	10	117.68	101.51	0.81
TCP Vegas	10	43.41	106.34	0.65
Verus	10	166.77	130.21	1.05
Copa	10	80.00	101.51	0.91
FillP	10	938.83	235.39	1.39
Indigo-1-32	10	174.47	99.72	0.95
Vivace-latency	10	366.23	105.21	1.17
Vivace-loss	10	347.16	129.92	1.23
Vivace-LTE	10	385.63	102.56	1.06

Run 1: Statistics of TCP BBR

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

End at: 2018-02-27 06:18:48

Below is generated by plot.py at 2018-02-27 11:30:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.53 Mbit/s

95th percentile per-packet one-way delay: 99.521 ms

Loss rate: 0.87%

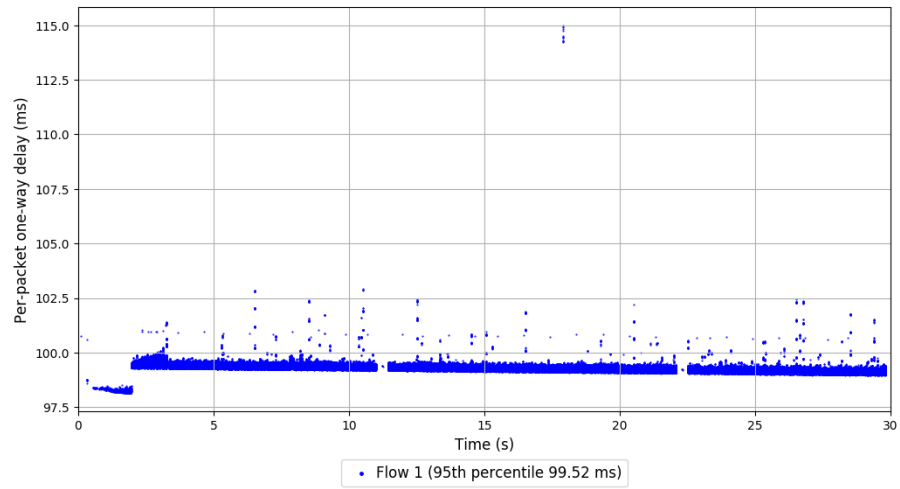
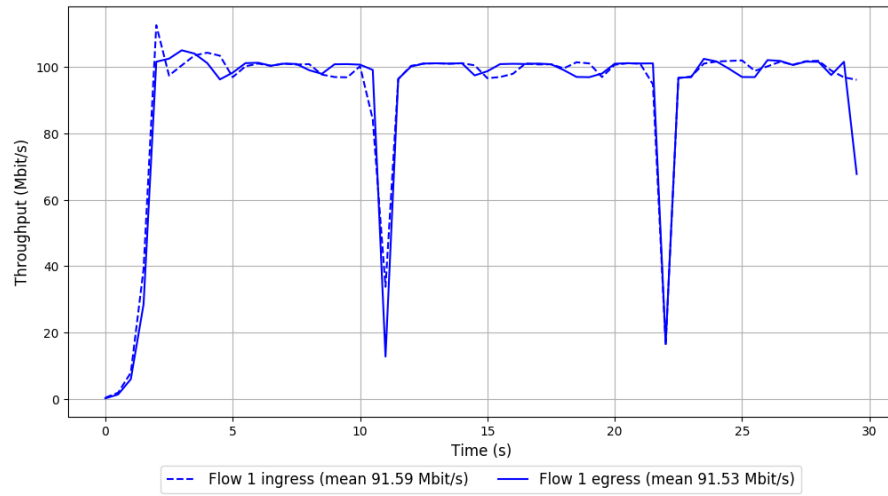
-- Flow 1:

Average throughput: 91.53 Mbit/s

95th percentile per-packet one-way delay: 99.521 ms

Loss rate: 0.87%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-27 06:34:05

End at: 2018-02-27 06:34:35

Below is generated by plot.py at 2018-02-27 11:30:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 95.496 ms

Loss rate: 0.79%

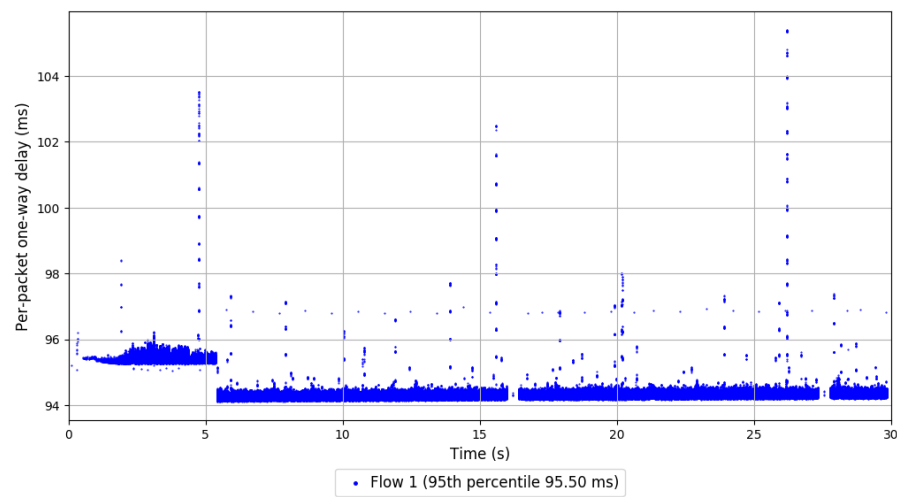
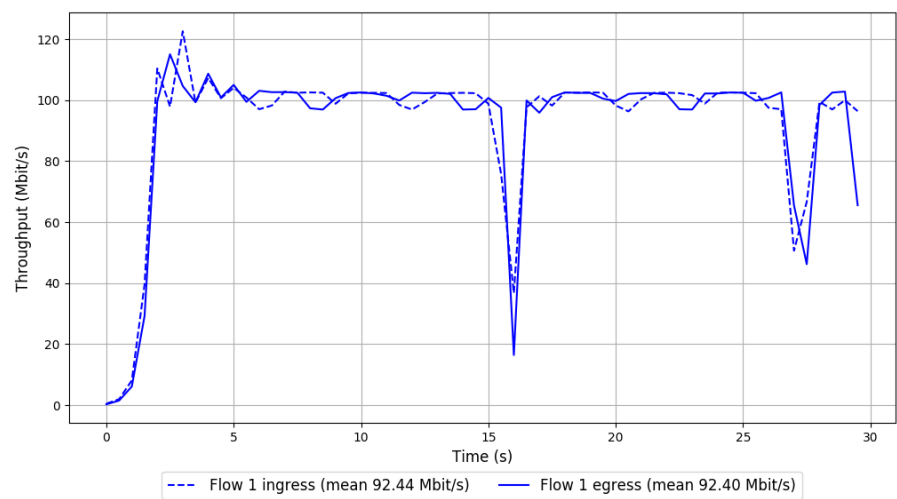
-- Flow 1:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 95.496 ms

Loss rate: 0.79%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-27 06:49:58

End at: 2018-02-27 06:50:28

Below is generated by plot.py at 2018-02-27 11:30:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.75 Mbit/s

95th percentile per-packet one-way delay: 88.869 ms

Loss rate: 0.81%

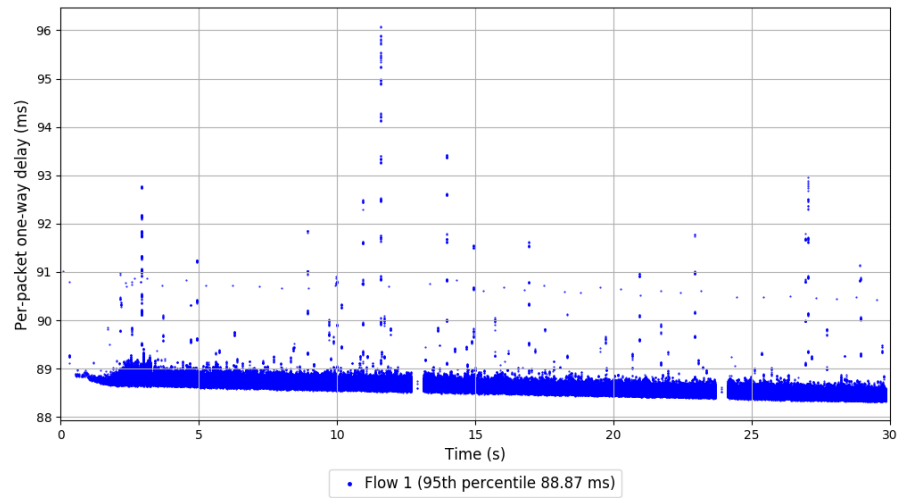
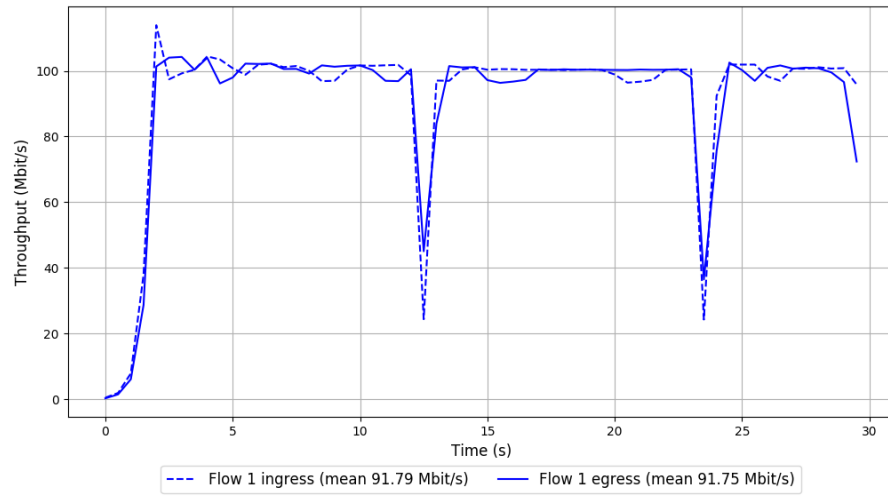
-- Flow 1:

Average throughput: 91.75 Mbit/s

95th percentile per-packet one-way delay: 88.869 ms

Loss rate: 0.81%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-27 07:05:47

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

Below is generated by plot.py at 2018-02-27 11:30:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 92.089 ms

Loss rate: 0.78%

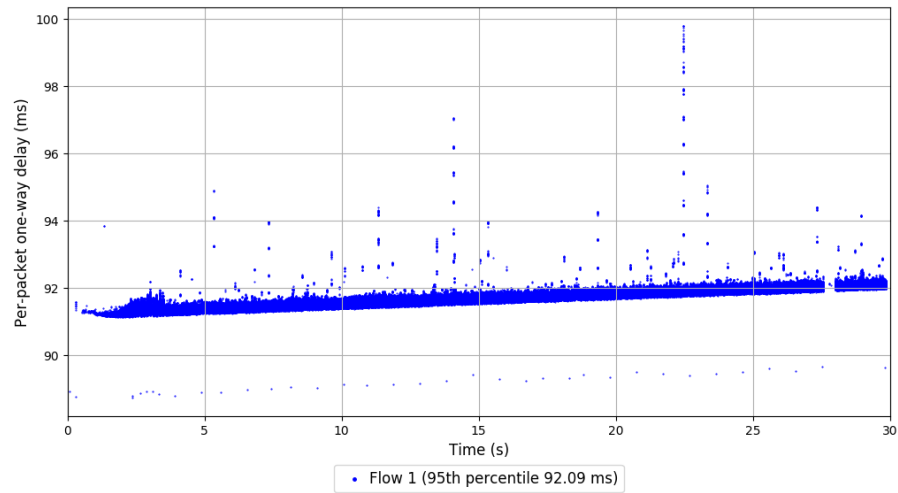
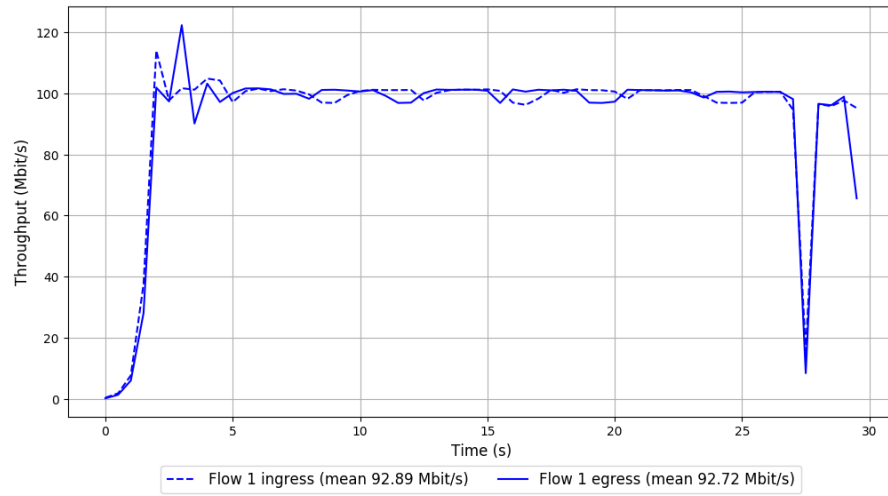
-- Flow 1:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 92.089 ms

Loss rate: 0.78%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-27 07:21:20

End at: 2018-02-27 07:21:50

Below is generated by plot.py at 2018-02-27 11:30:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 101.006 ms

Loss rate: 0.77%

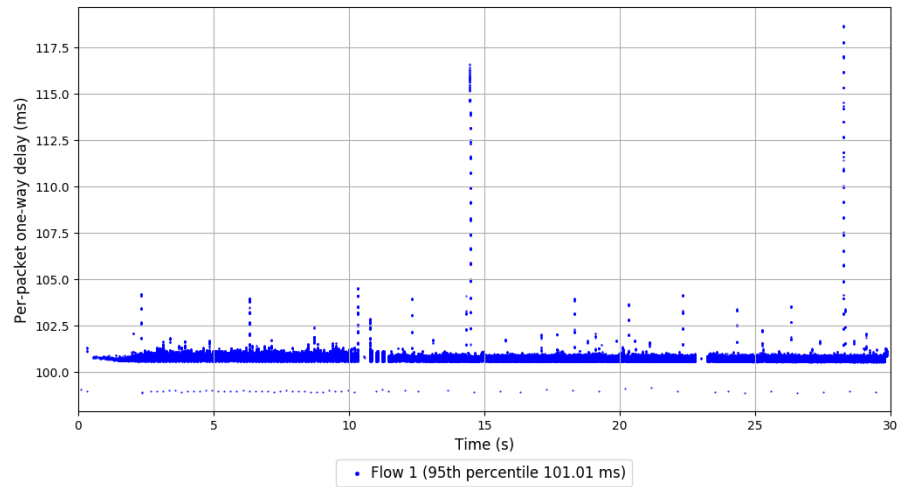
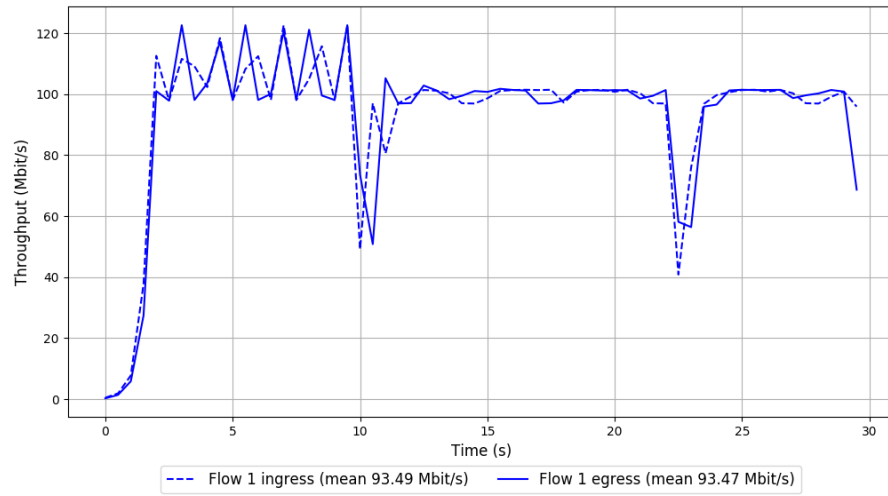
-- Flow 1:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 101.006 ms

Loss rate: 0.77%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-27 07:36:57

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

Below is generated by plot.py at 2018-02-27 11:30:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.34 Mbit/s

95th percentile per-packet one-way delay: 98.856 ms

Loss rate: 0.52%

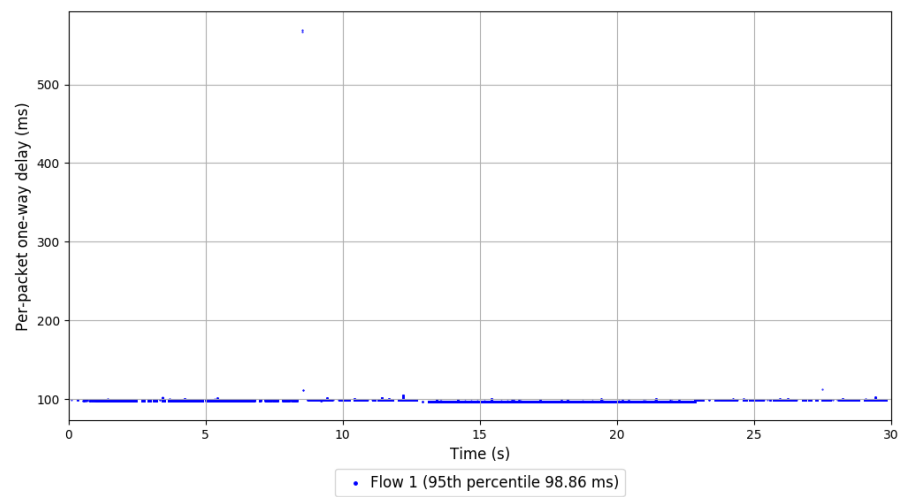
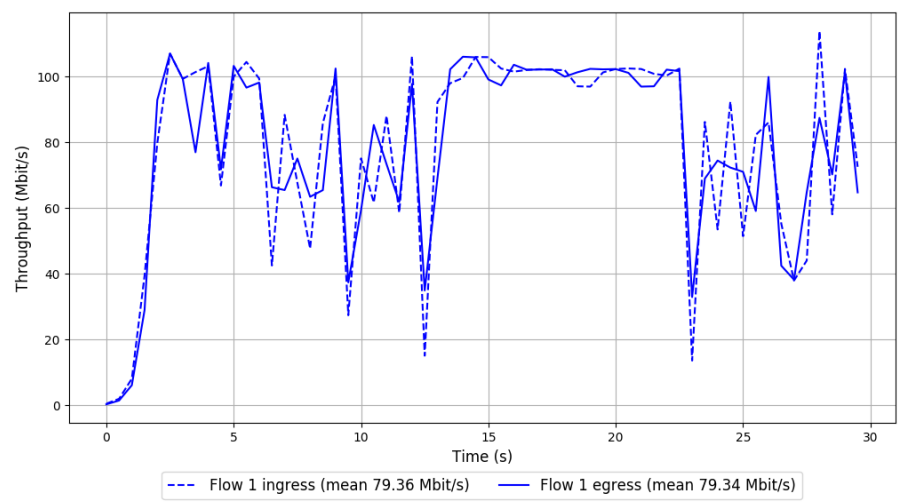
-- Flow 1:

Average throughput: 79.34 Mbit/s

95th percentile per-packet one-way delay: 98.856 ms

Loss rate: 0.52%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-27 07:52:32

End at: 2018-02-27 07:53:02

Below is generated by plot.py at 2018-02-27 11:30:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 106.737 ms

Loss rate: 0.81%

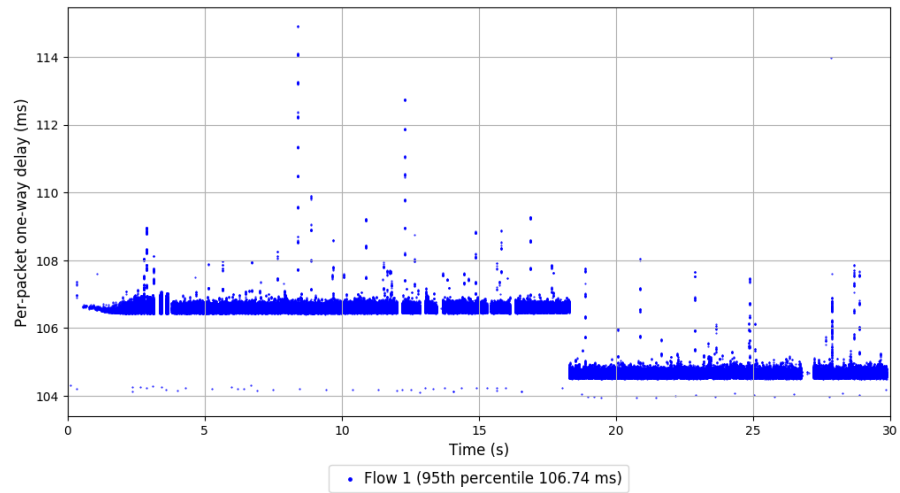
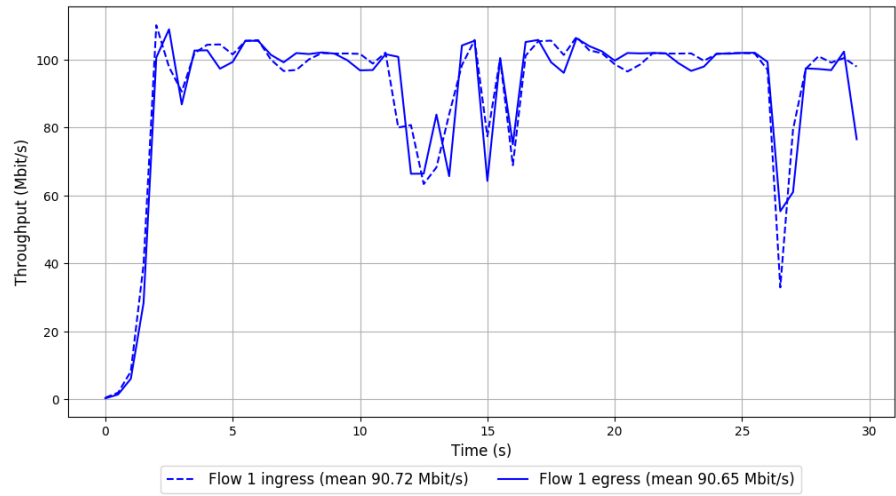
-- Flow 1:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 106.737 ms

Loss rate: 0.81%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-27 08:07:57

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

Below is generated by plot.py at 2018-02-27 11:30:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.94 Mbit/s

95th percentile per-packet one-way delay: 104.437 ms

Loss rate: 0.77%

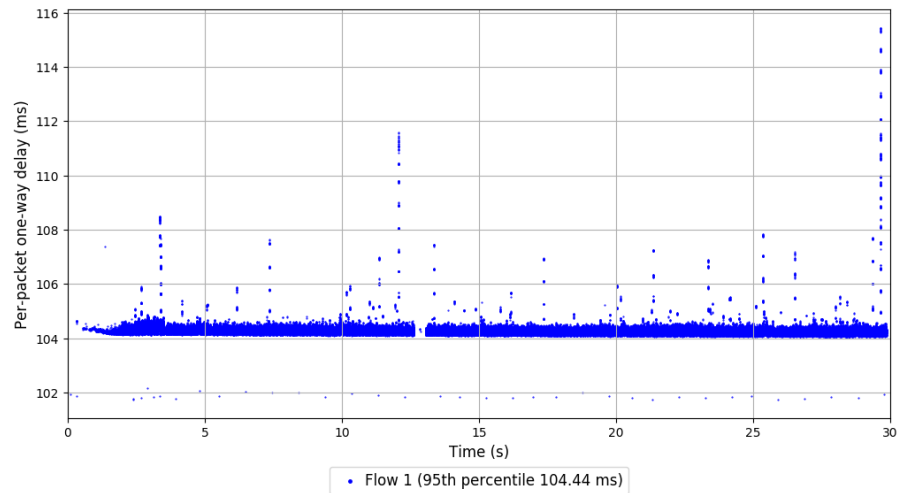
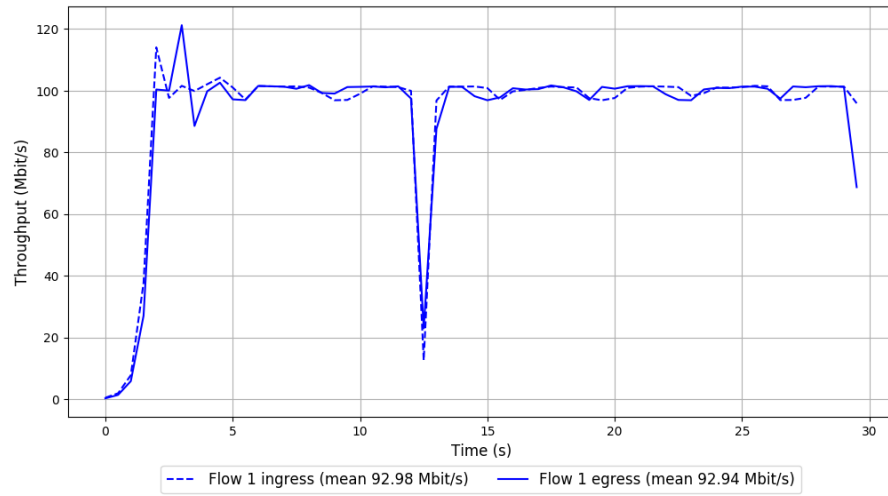
-- Flow 1:

Average throughput: 92.94 Mbit/s

95th percentile per-packet one-way delay: 104.437 ms

Loss rate: 0.77%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-27 08:24:07

End at: 2018-02-27 08:24:37

Below is generated by plot.py at 2018-02-27 11:31:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 109.636 ms

Loss rate: 0.80%

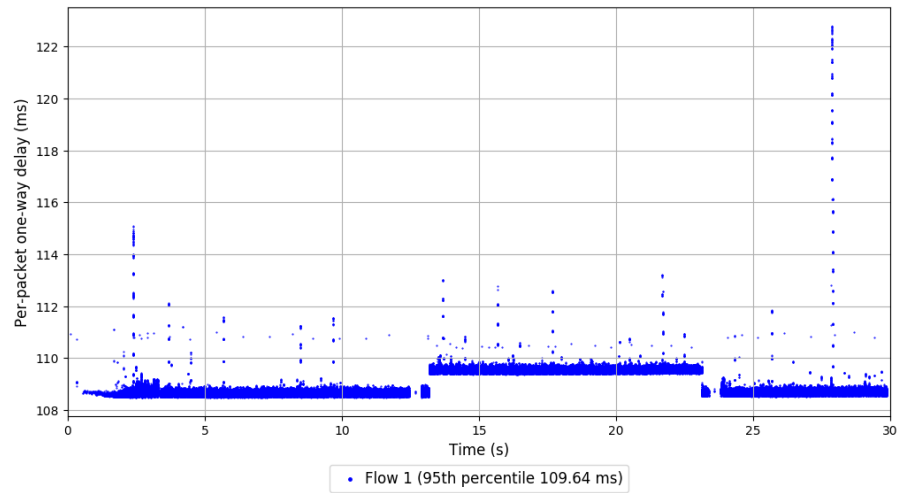
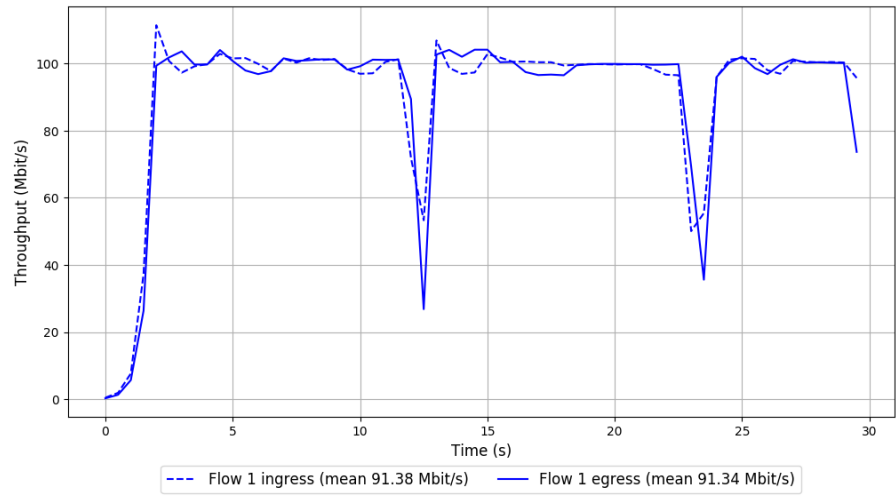
-- Flow 1:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 109.636 ms

Loss rate: 0.80%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-27 08:39:56

End at: 2018-02-27 08:40:26

Below is generated by plot.py at 2018-02-27 11:31:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.28 Mbit/s

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

Loss rate: 0.79%

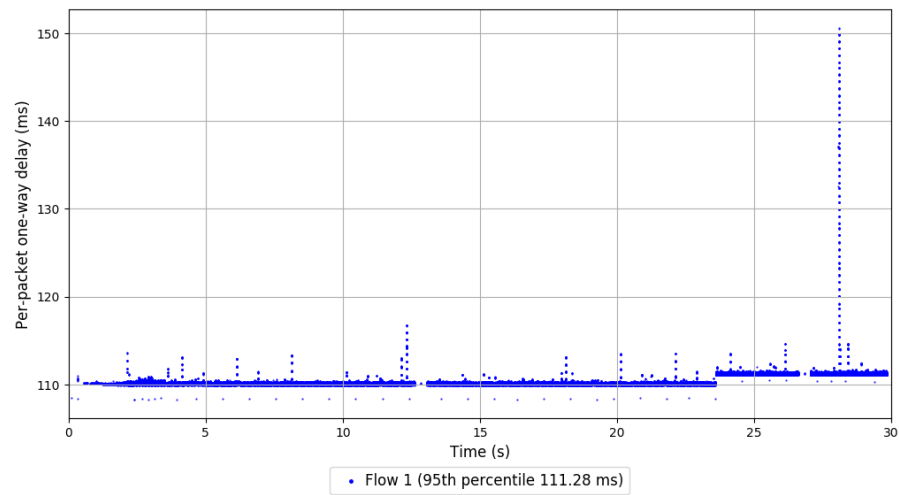
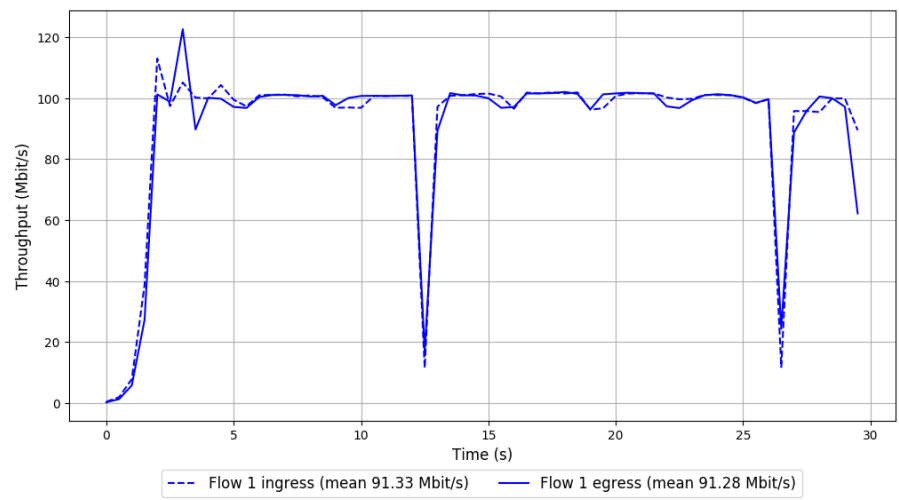
-- Flow 1:

Average throughput: 91.28 Mbit/s

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

Loss rate: 0.79%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-27 06:21:27

End at: 2018-02-27 06:21:57

Below is generated by plot.py at 2018-02-27 11:31:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 106.090 ms

Loss rate: 0.56%

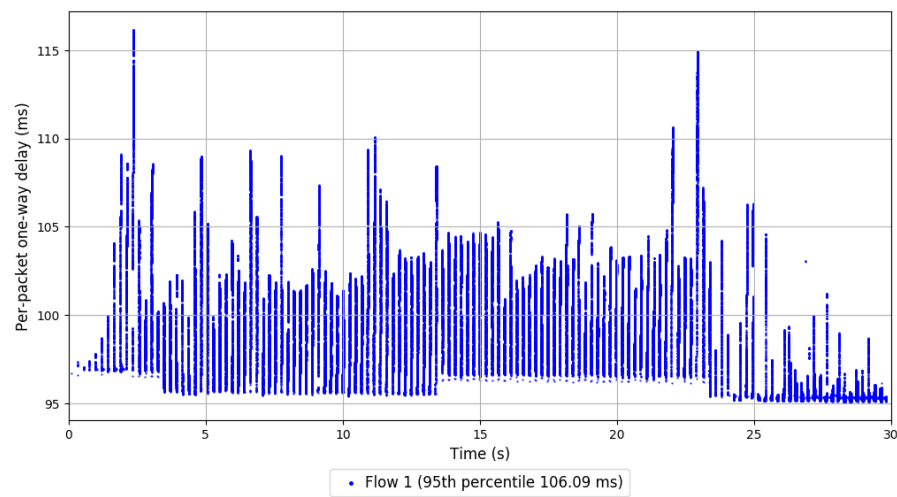
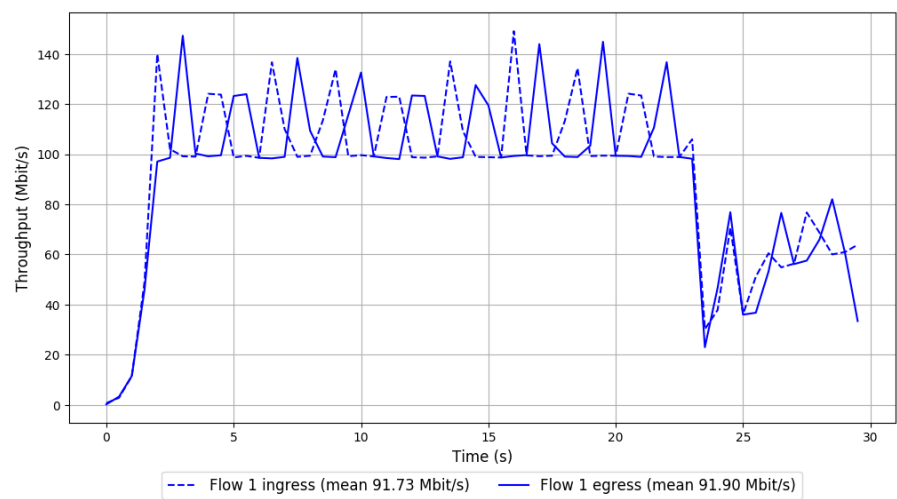
-- Flow 1:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 106.090 ms

Loss rate: 0.56%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-27 06:37:16

End at: 2018-02-27 06:37:46

Below is generated by plot.py at 2018-02-27 11:32:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.00 Mbit/s

95th percentile per-packet one-way delay: 106.661 ms

Loss rate: 0.85%

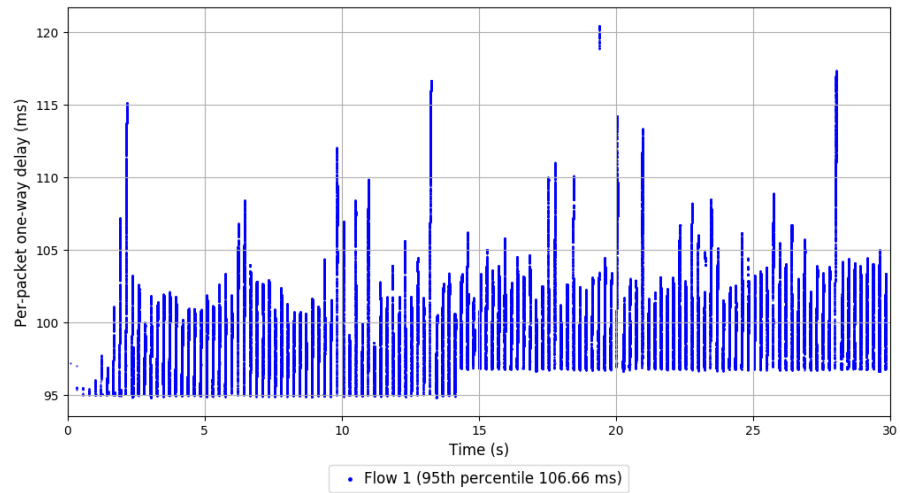
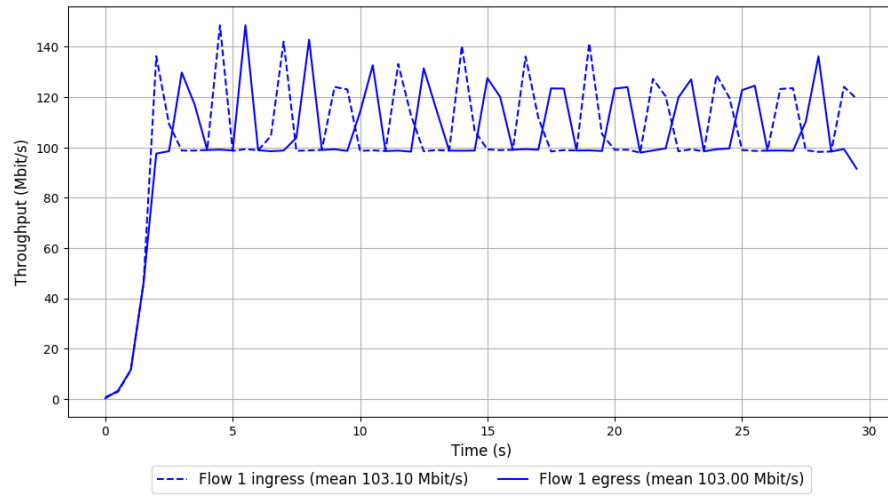
-- Flow 1:

Average throughput: 103.00 Mbit/s

95th percentile per-packet one-way delay: 106.661 ms

Loss rate: 0.85%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-27 06:53:15

End at: 2018-02-27 06:53:45

Below is generated by plot.py at 2018-02-27 11:32:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 97.195 ms

Loss rate: 0.52%

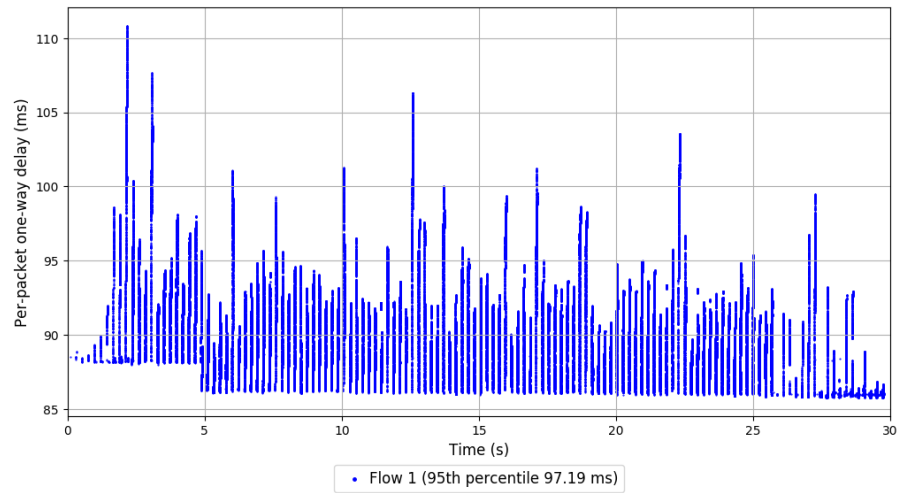
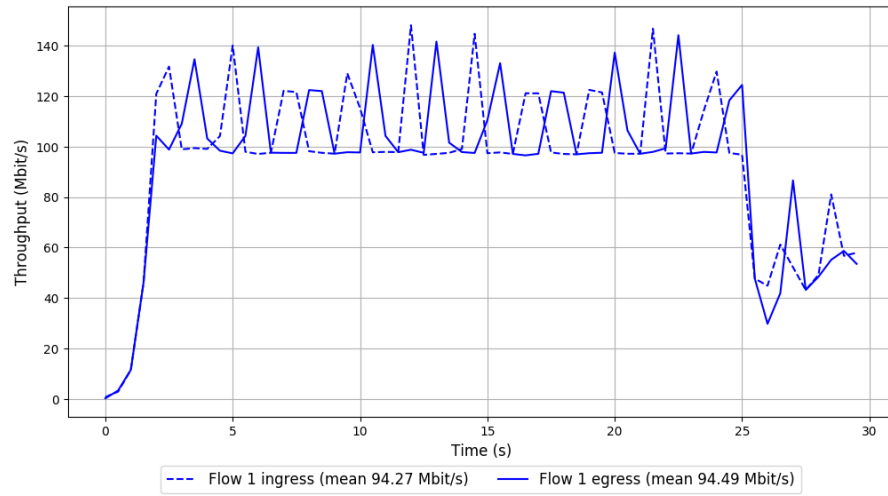
-- Flow 1:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 97.195 ms

Loss rate: 0.52%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-27 07:08:45

End at: 2018-02-27 07:09:15

Below is generated by plot.py at 2018-02-27 11:32:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.21 Mbit/s

95th percentile per-packet one-way delay: 103.437 ms

Loss rate: 2.11%

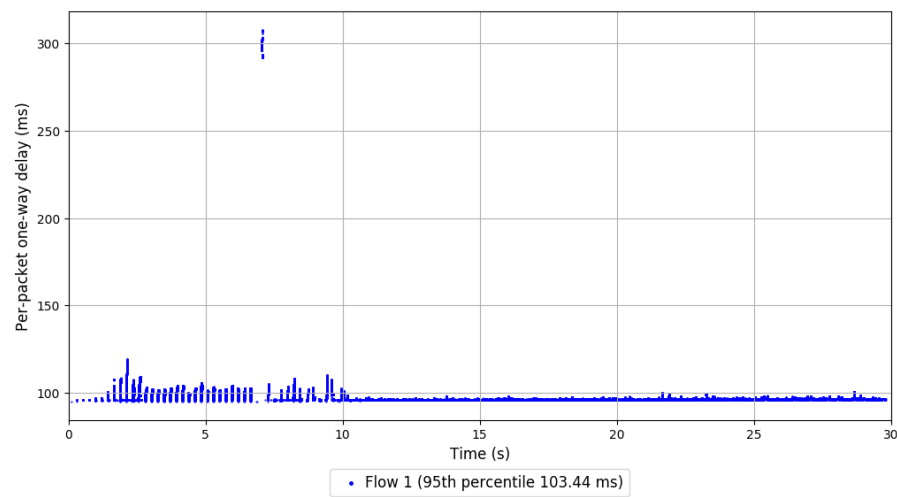
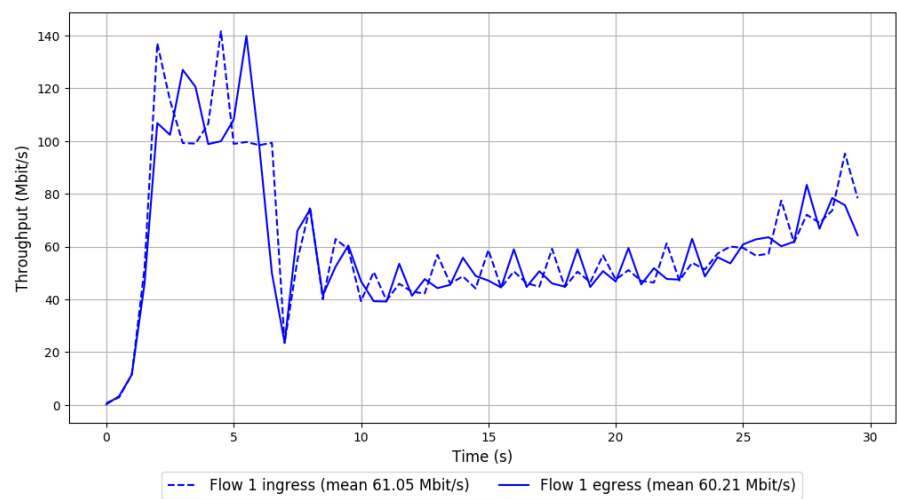
-- Flow 1:

Average throughput: 60.21 Mbit/s

95th percentile per-packet one-way delay: 103.437 ms

Loss rate: 2.11%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-27 07:24:21

End at: 2018-02-27 07:24:51

Below is generated by plot.py at 2018-02-27 11:32:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.49 Mbit/s

95th percentile per-packet one-way delay: 106.507 ms

Loss rate: 0.39%

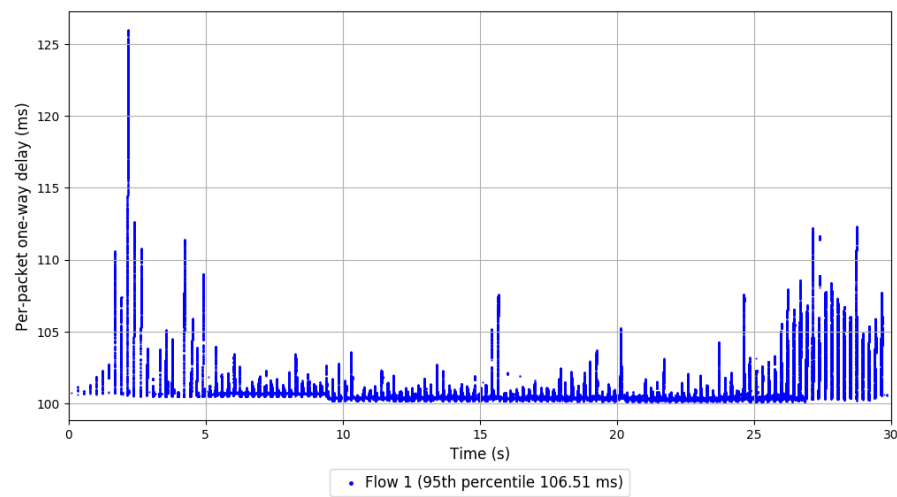
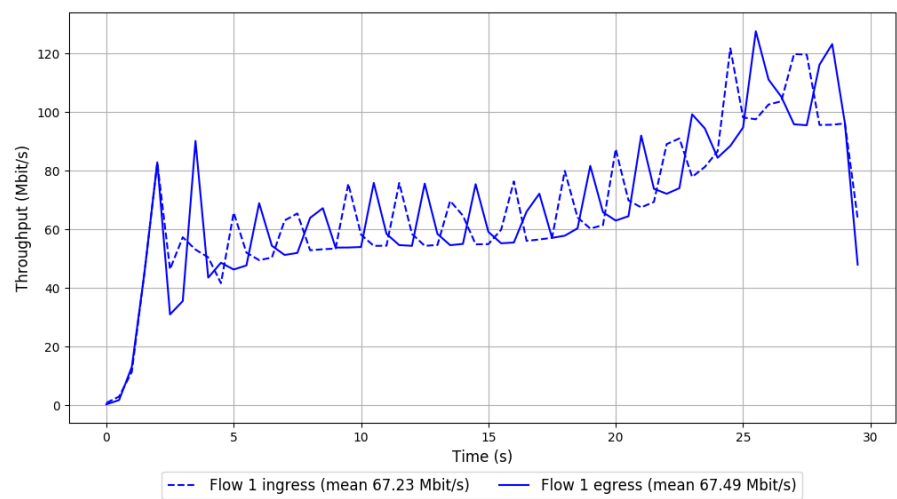
-- Flow 1:

Average throughput: 67.49 Mbit/s

95th percentile per-packet one-way delay: 106.507 ms

Loss rate: 0.39%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-27 07:40:04

End at: 2018-02-27 07:40:34

Below is generated by plot.py at 2018-02-27 11:32:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 109.886 ms

Loss rate: 0.29%

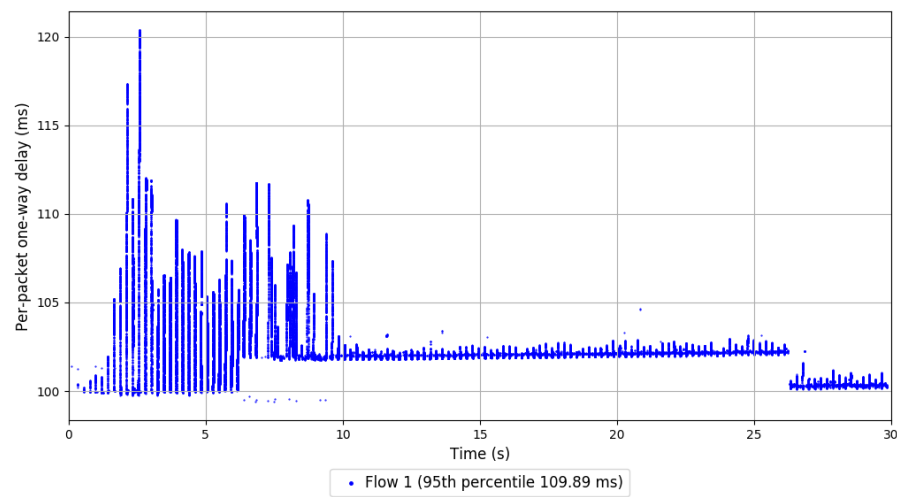
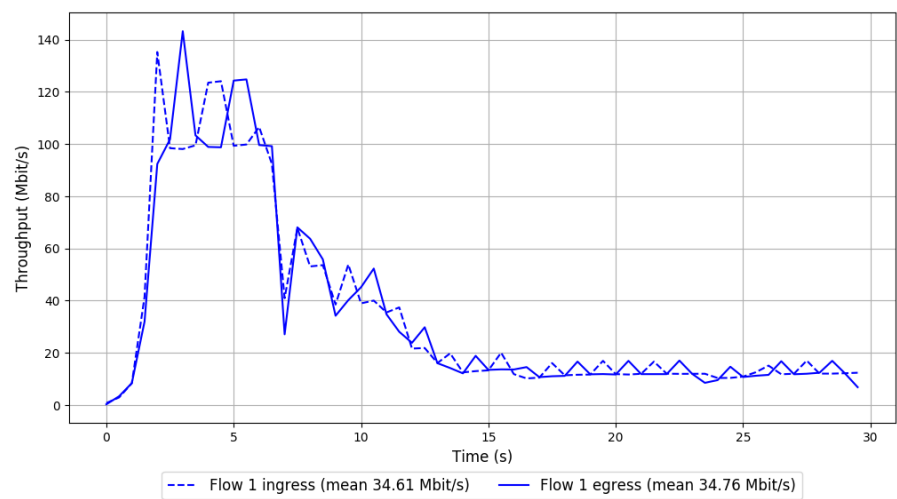
-- Flow 1:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 109.886 ms

Loss rate: 0.29%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-27 07:55:40

End at: 2018-02-27 07:56:10

Below is generated by plot.py at 2018-02-27 11:32:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.34 Mbit/s

95th percentile per-packet one-way delay: 112.990 ms

Loss rate: 0.51%

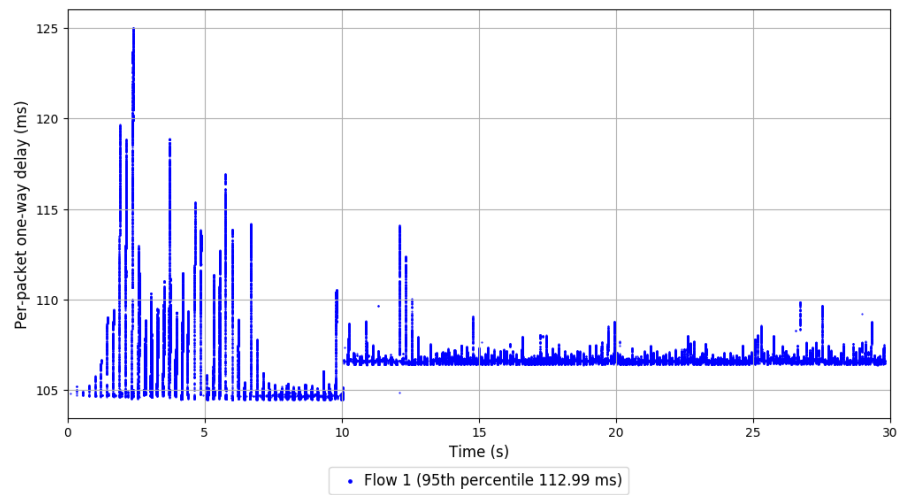
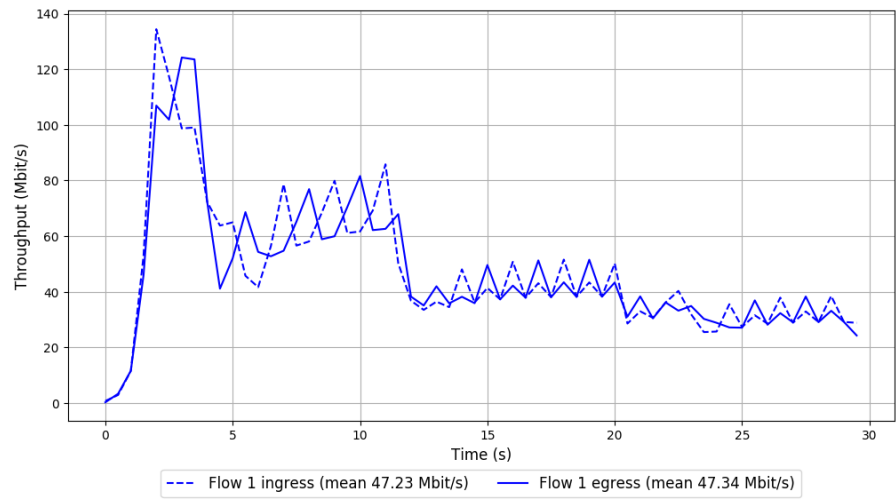
-- Flow 1:

Average throughput: 47.34 Mbit/s

95th percentile per-packet one-way delay: 112.990 ms

Loss rate: 0.51%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-27 08:11:11

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

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.58 Mbit/s

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

Loss rate: 0.79%

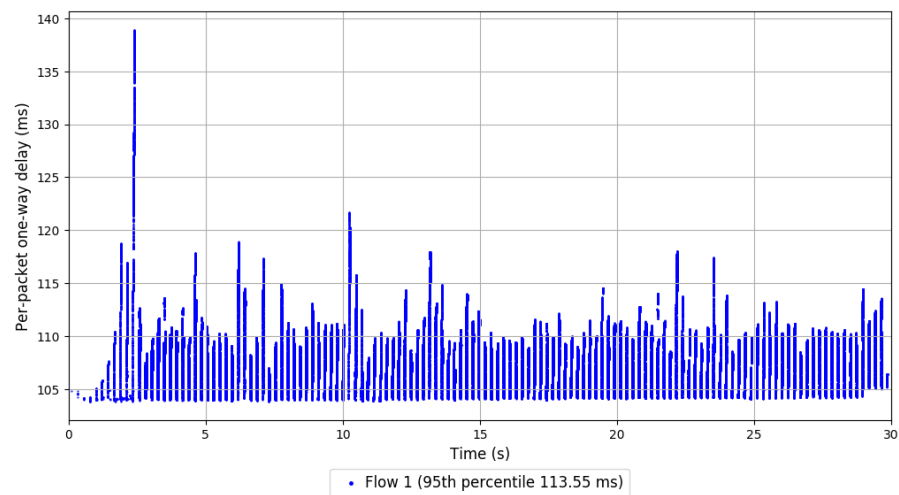
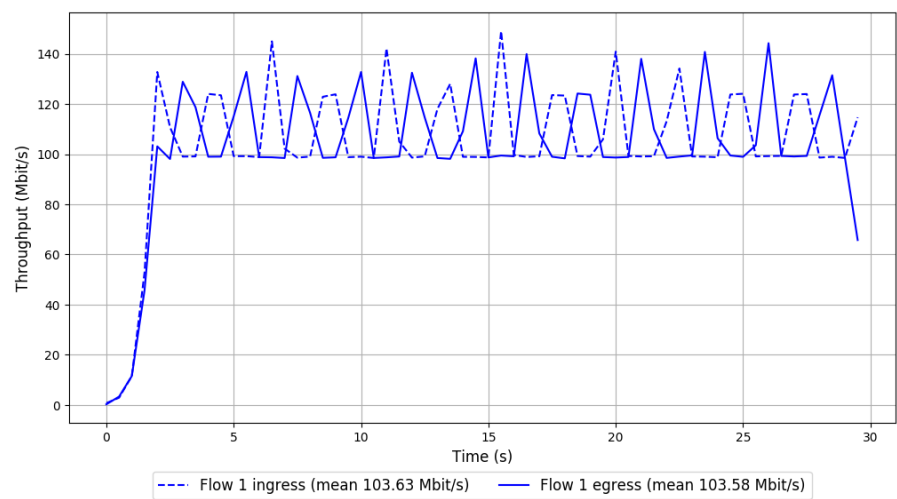
-- Flow 1:

Average throughput: 103.58 Mbit/s

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

Loss rate: 0.79%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-27 08:27:23

End at: 2018-02-27 08:27:53

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 121.339 ms

Loss rate: 0.58%

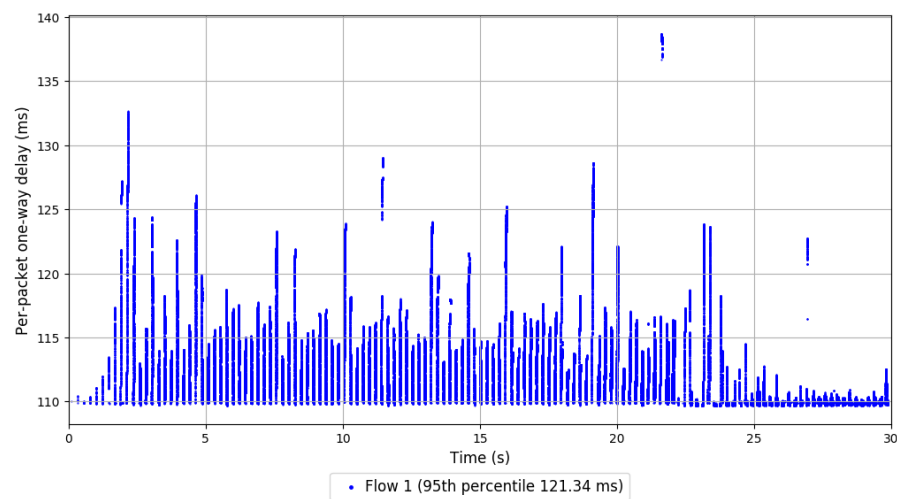
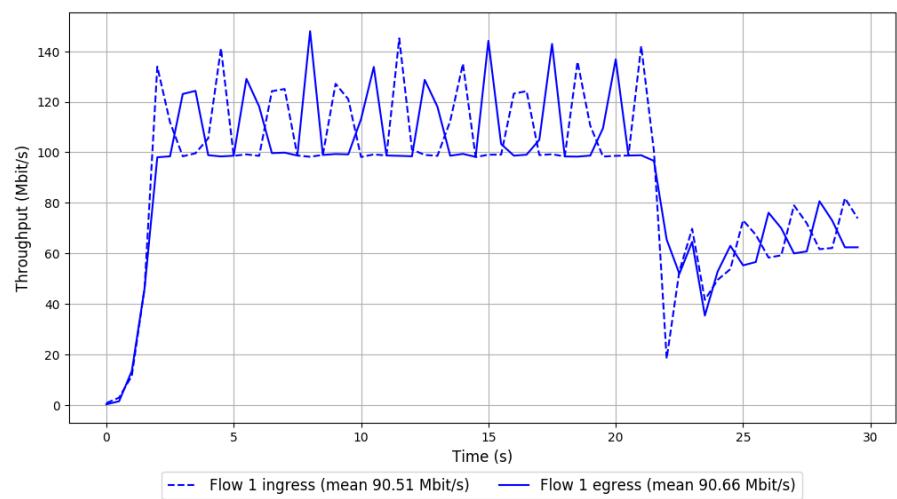
-- Flow 1:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 121.339 ms

Loss rate: 0.58%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-27 08:43:04

End at: 2018-02-27 08:43:34

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.78 Mbit/s

95th percentile per-packet one-way delay: 115.947 ms

Loss rate: 0.59%

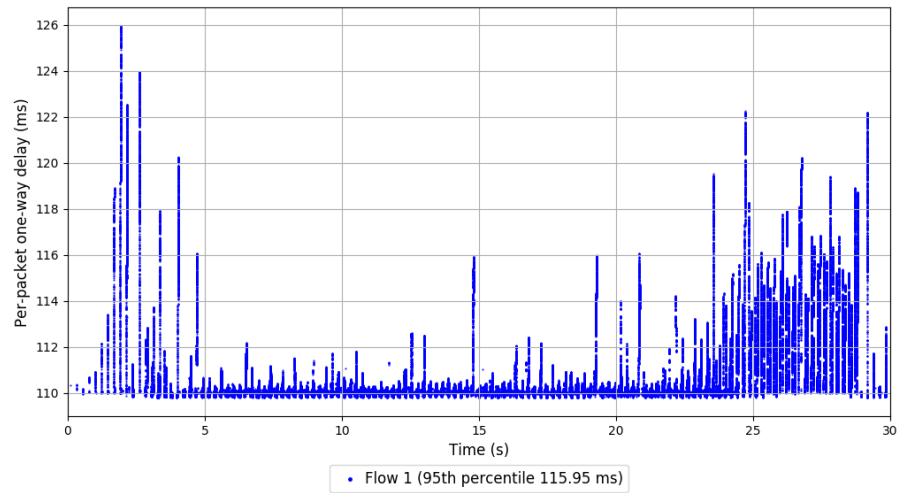
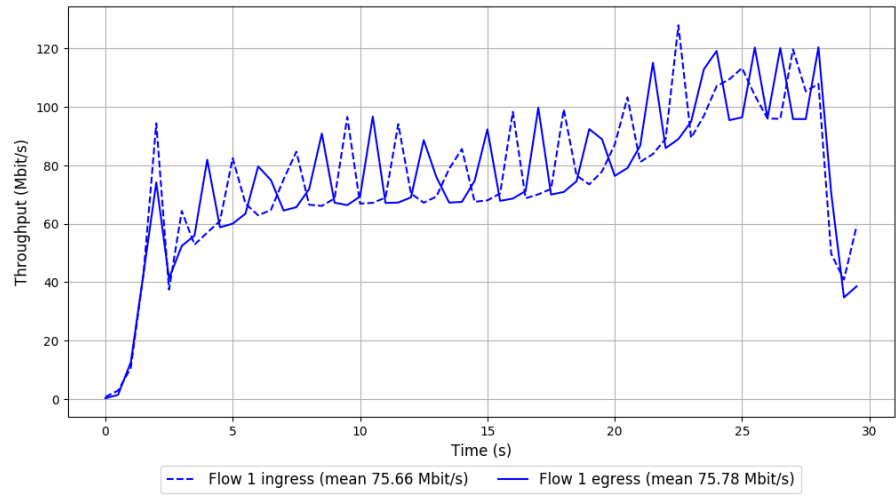
-- Flow 1:

Average throughput: 75.78 Mbit/s

95th percentile per-packet one-way delay: 115.947 ms

Loss rate: 0.59%

Run 10: Report of TCP Cubic — Data Link

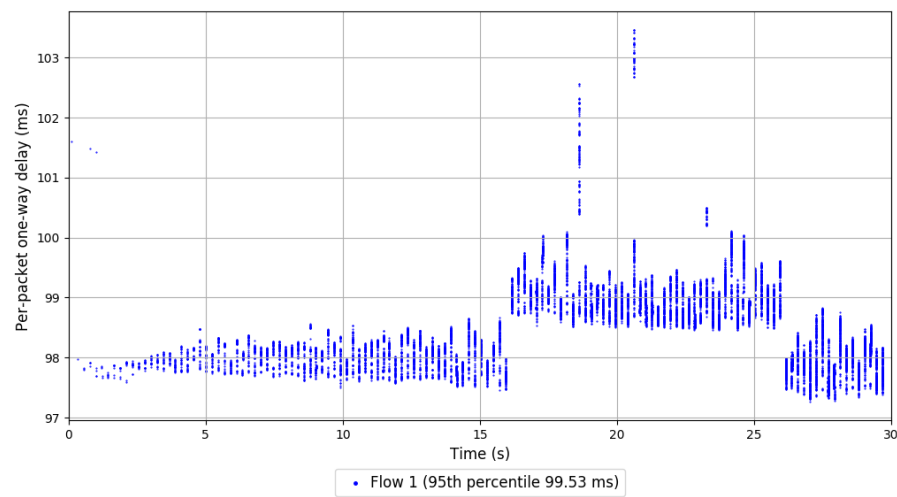
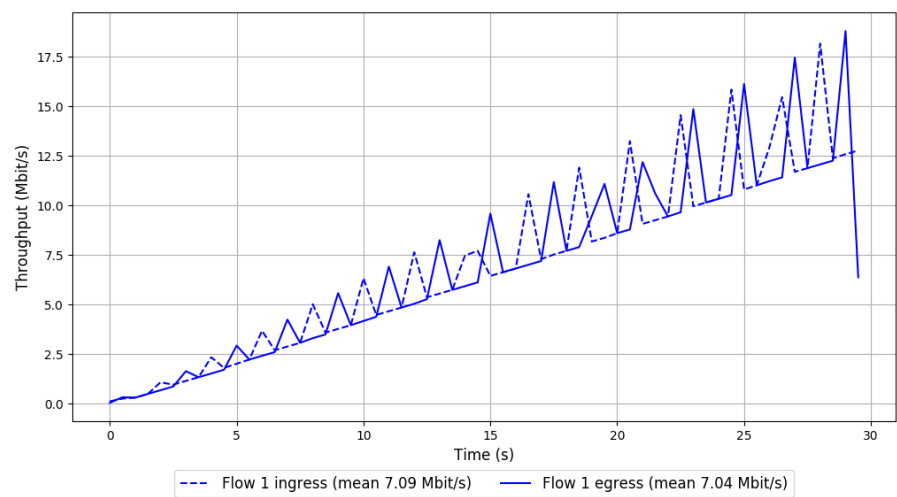


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-27 06:19:04
End at: 2018-02-27 06:19:34

# Below is generated by plot.py at 2018-02-27 11:33:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 99.527 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 99.527 ms
Loss rate: 1.51%
```


Run 1: Report of LEDBAT — Data Link

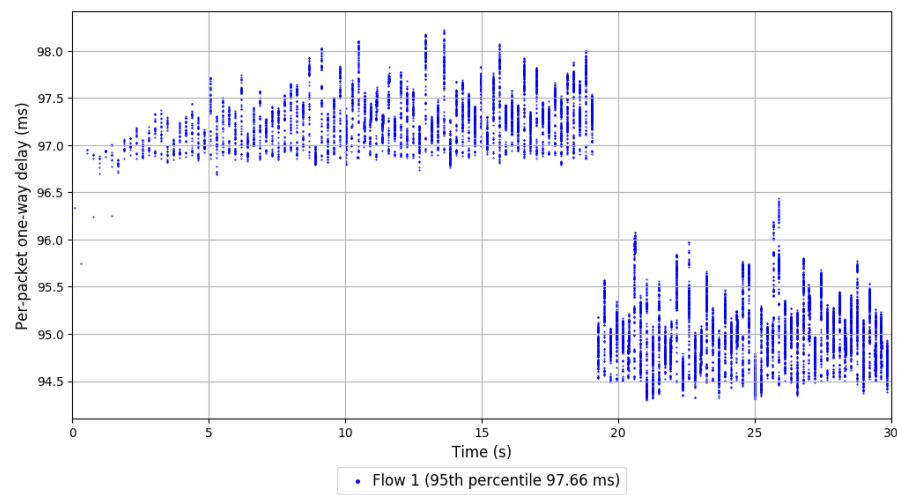
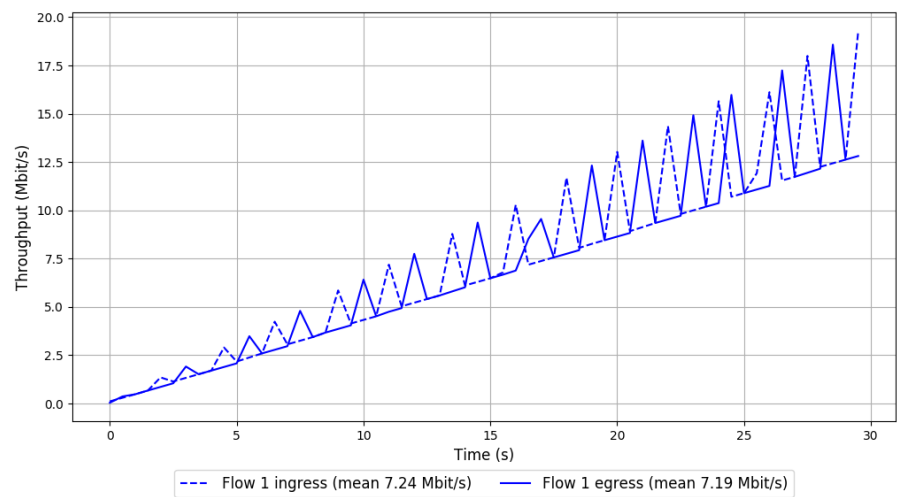


```
Run 2: Statistics of LEDBAT

Start at: 2018-02-27 06:34:51
End at: 2018-02-27 06:35:21

# Below is generated by plot.py at 2018-02-27 11:33:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 97.655 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 97.655 ms
Loss rate: 1.49%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-27 06:50:44

End at: 2018-02-27 06:51:14

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 88.758 ms

Loss rate: 3.04%

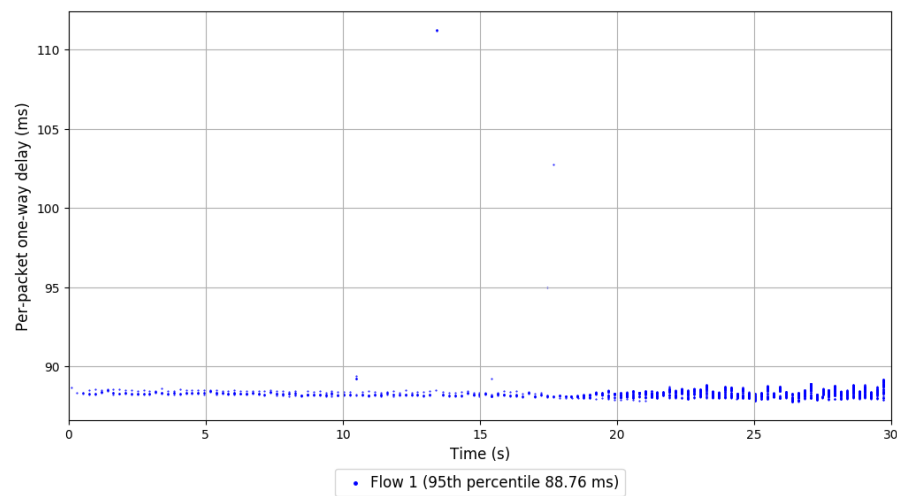
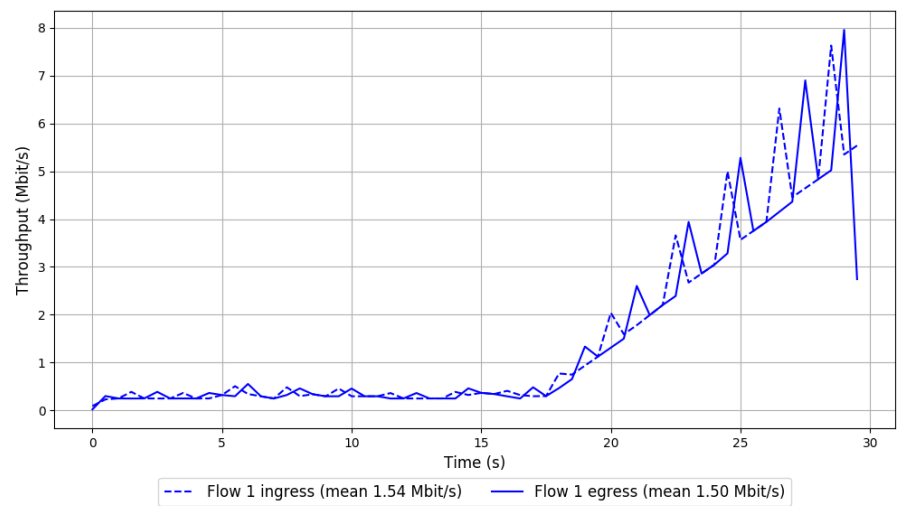
-- Flow 1:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 88.758 ms

Loss rate: 3.04%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-27 07:06:33

End at: 2018-02-27 07:07:03

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 94.512 ms

Loss rate: 1.50%

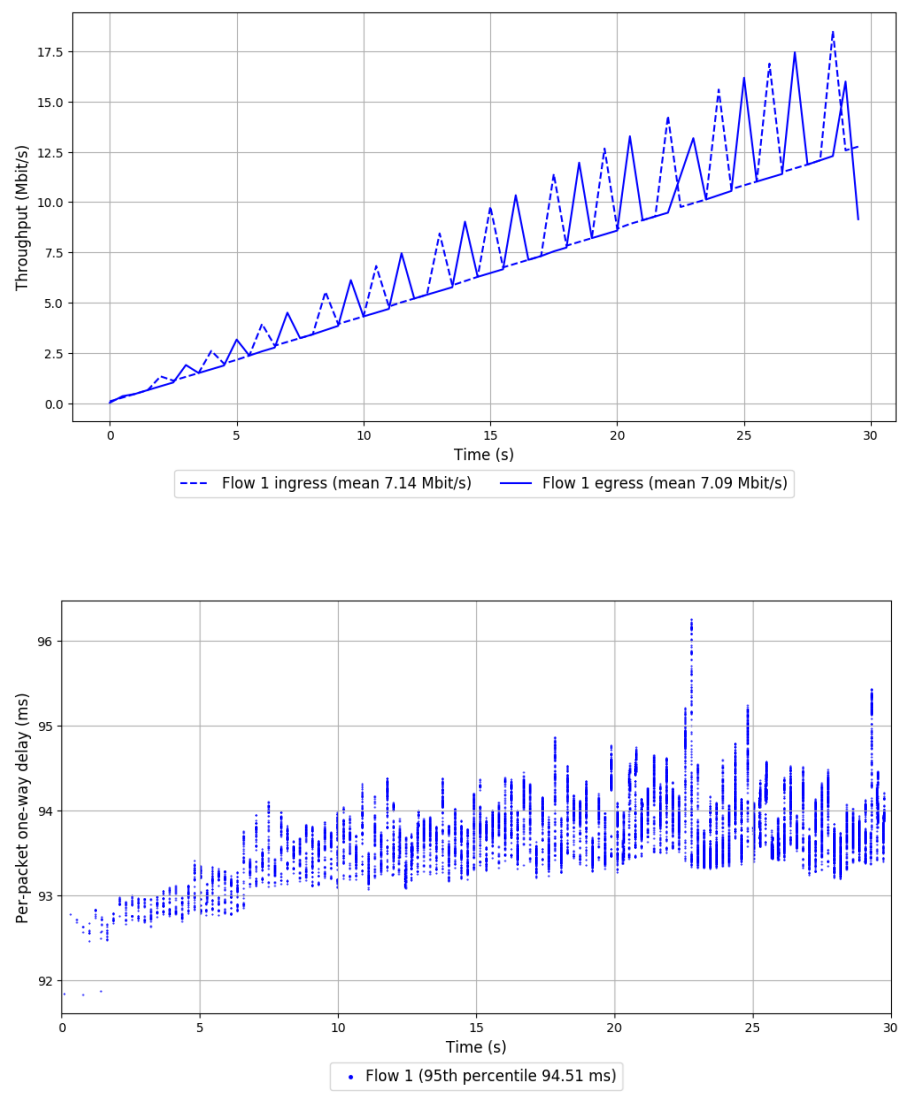
-- Flow 1:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 94.512 ms

Loss rate: 1.50%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-27 07:22:06

End at: 2018-02-27 07:22:36

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.93 Mbit/s

95th percentile per-packet one-way delay: 101.923 ms

Loss rate: 1.52%

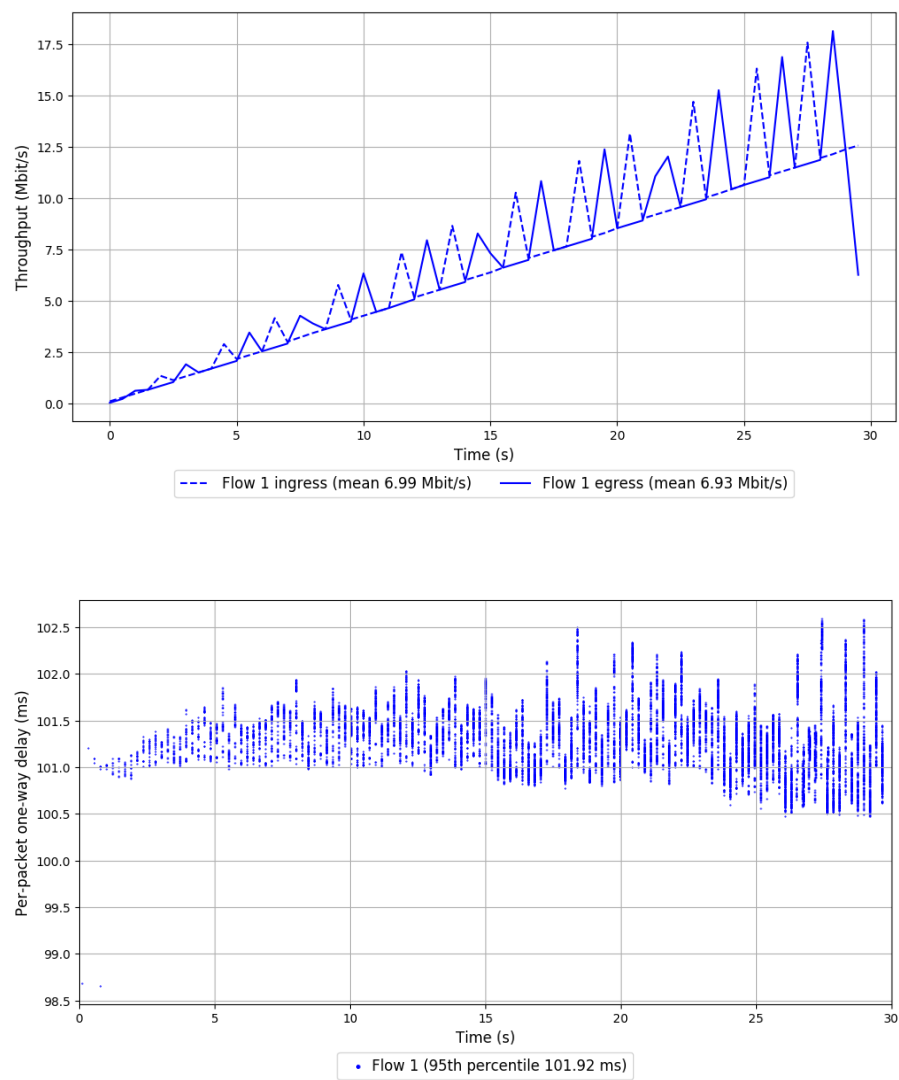
-- Flow 1:

Average throughput: 6.93 Mbit/s

95th percentile per-packet one-way delay: 101.923 ms

Loss rate: 1.52%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-27 07:37:43

End at: 2018-02-27 07:38:13

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 100.706 ms

Loss rate: 0.76%

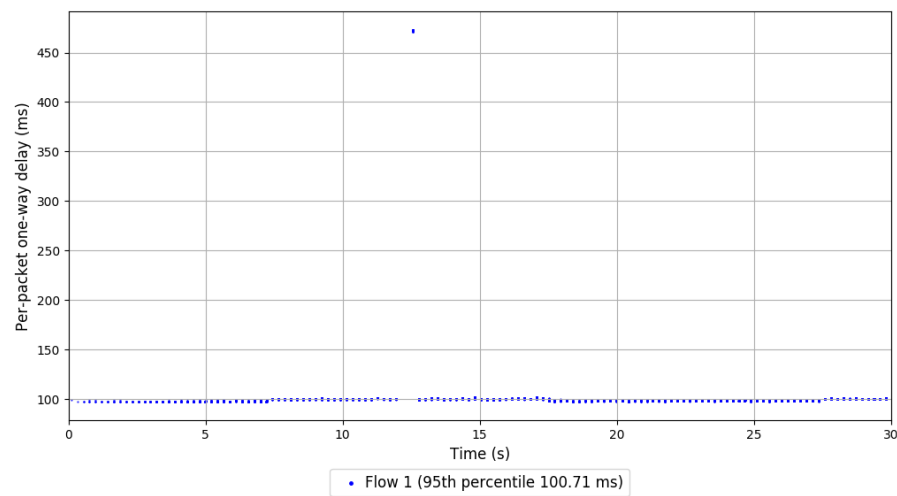
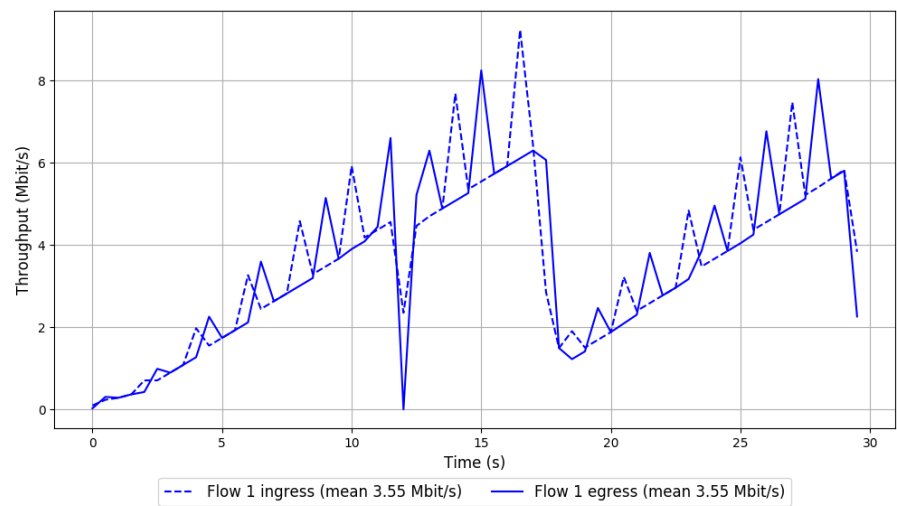
-- Flow 1:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 100.706 ms

Loss rate: 0.76%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-27 07:53:18

End at: 2018-02-27 07:53:48

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.58 Mbit/s

95th percentile per-packet one-way delay: 107.445 ms

Loss rate: 1.26%

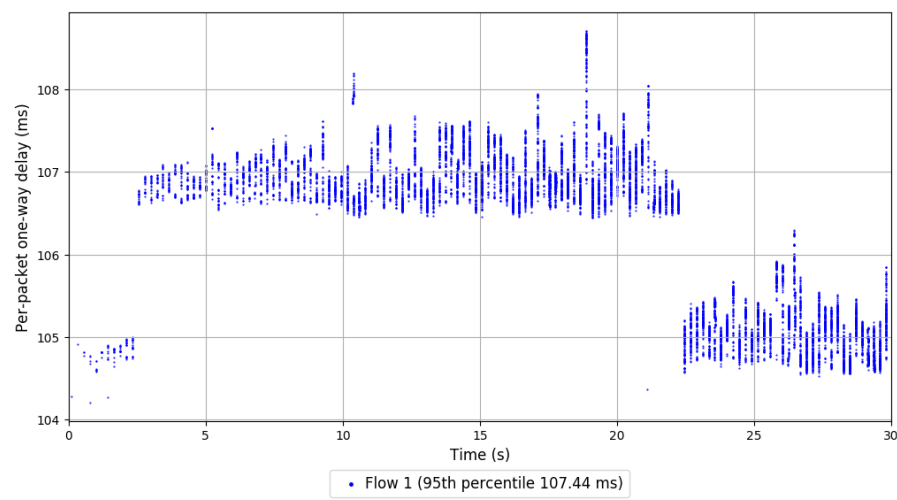
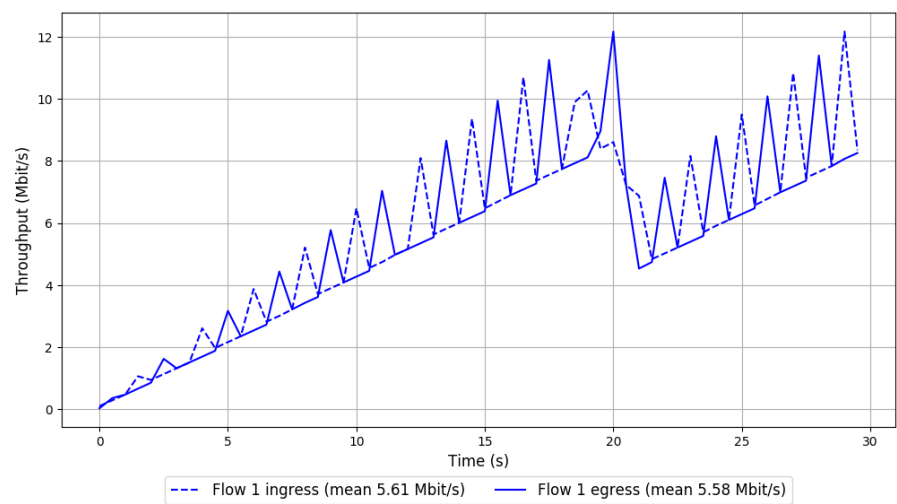
-- Flow 1:

Average throughput: 5.58 Mbit/s

95th percentile per-packet one-way delay: 107.445 ms

Loss rate: 1.26%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-27 08:08:43

End at: 2018-02-27 08:09:13

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 104.886 ms

Loss rate: 1.76%

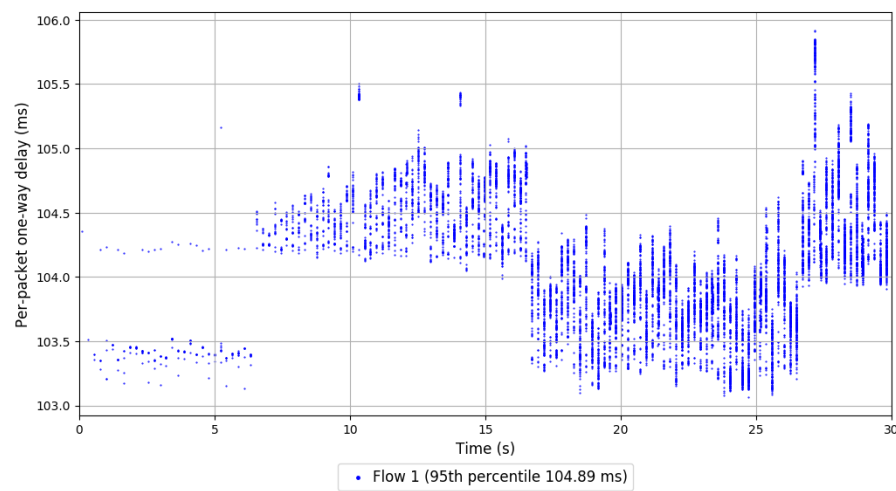
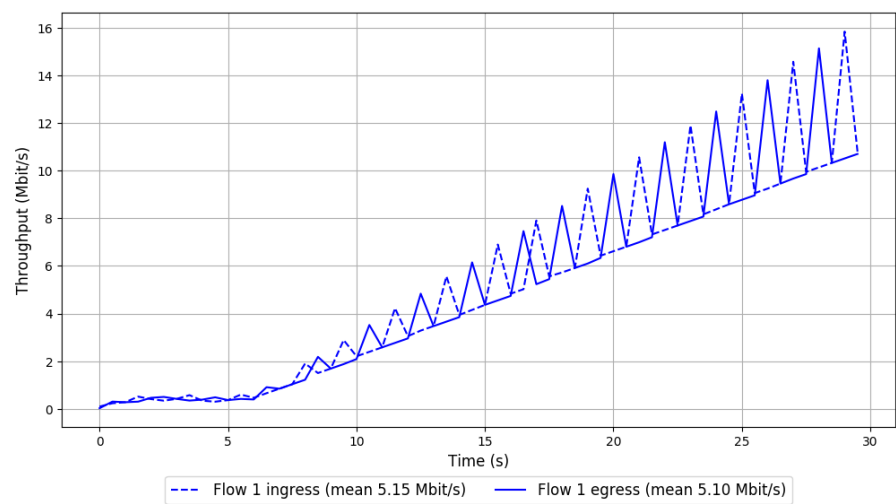
-- Flow 1:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 104.886 ms

Loss rate: 1.76%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-27 08:24:53

End at: 2018-02-27 08:25:23

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 109.972 ms

Loss rate: 1.50%

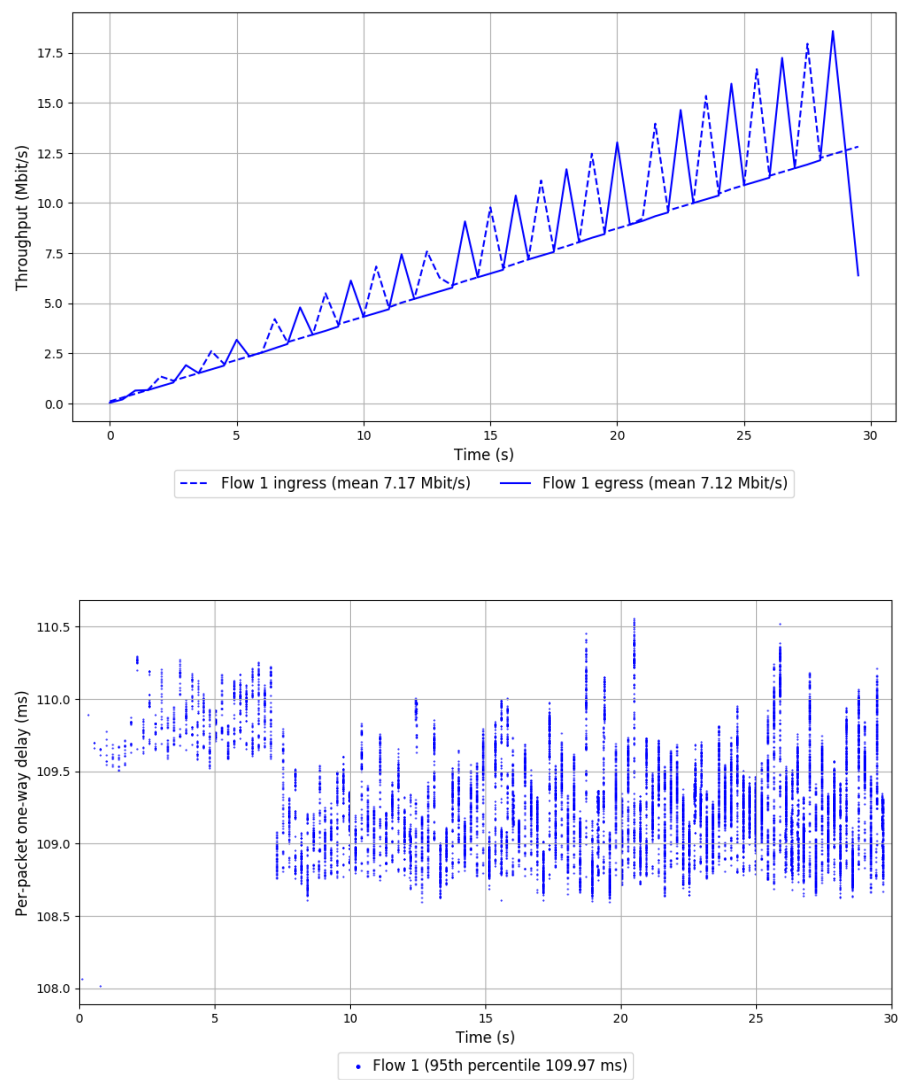
-- Flow 1:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 109.972 ms

Loss rate: 1.50%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-27 08:40:42

End at: 2018-02-27 08:41:12

Below is generated by plot.py at 2018-02-27 11:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.09 Mbit/s

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

Loss rate: 1.51%

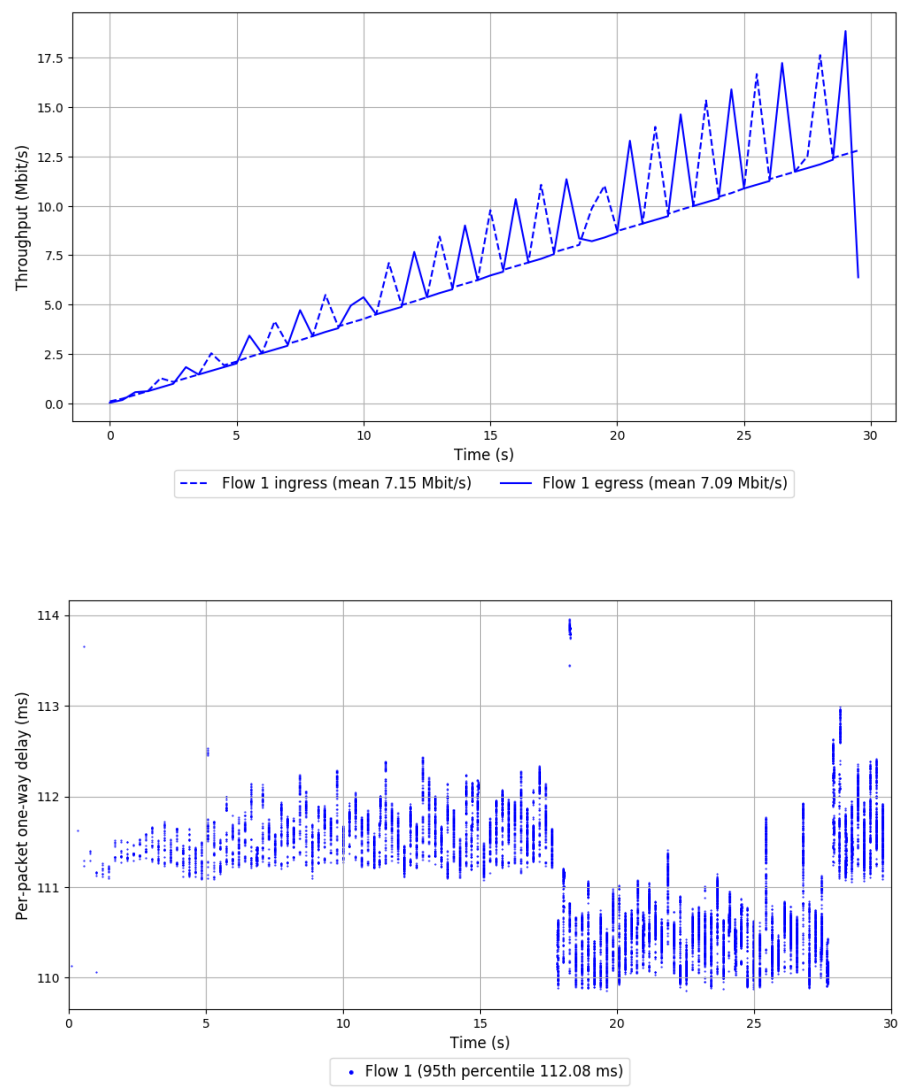
-- Flow 1:

Average throughput: 7.09 Mbit/s

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

Loss rate: 1.51%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-02-27 06:09:26

End at: 2018-02-27 06:09:56

Below is generated by plot.py at 2018-02-27 11:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.85 Mbit/s

95th percentile per-packet one-way delay: 230.356 ms

Loss rate: 4.31%

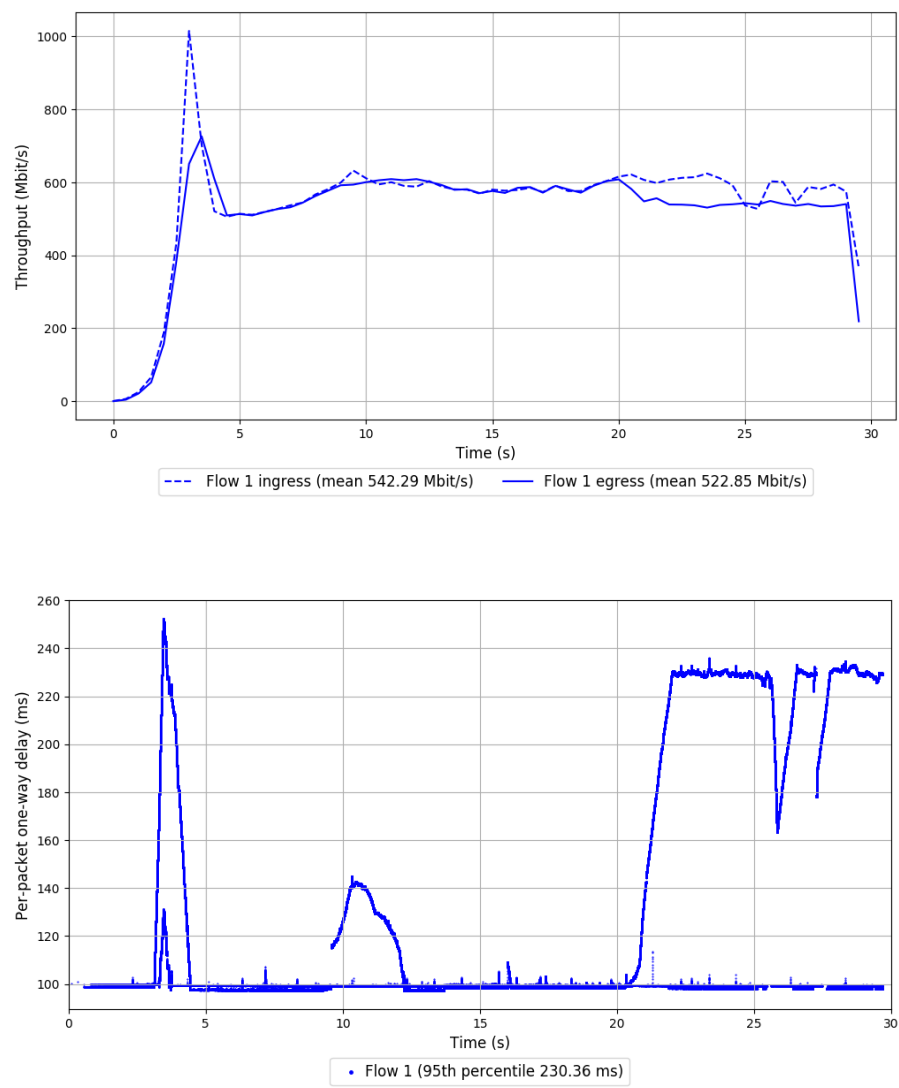
-- Flow 1:

Average throughput: 522.85 Mbit/s

95th percentile per-packet one-way delay: 230.356 ms

Loss rate: 4.31%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-27 06:25:07

End at: 2018-02-27 06:25:37

Below is generated by plot.py at 2018-02-27 11:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.12 Mbit/s

95th percentile per-packet one-way delay: 239.724 ms

Loss rate: 3.32%

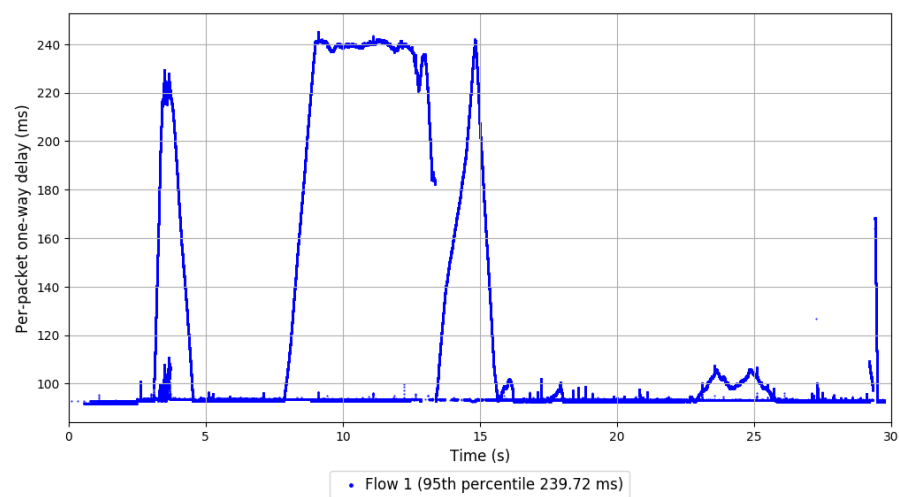
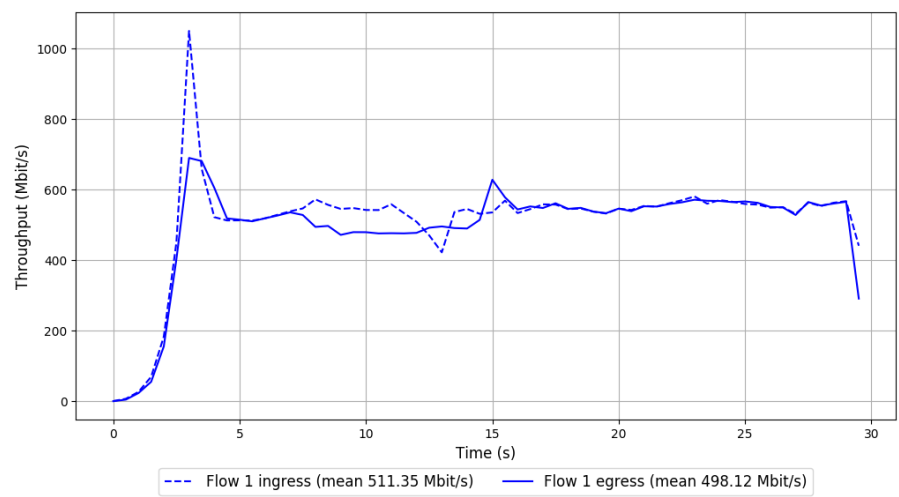
-- Flow 1:

Average throughput: 498.12 Mbit/s

95th percentile per-packet one-way delay: 239.724 ms

Loss rate: 3.32%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-27 06:40:58

End at: 2018-02-27 06:41:28

Below is generated by plot.py at 2018-02-27 11:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.57 Mbit/s

95th percentile per-packet one-way delay: 221.889 ms

Loss rate: 2.49%

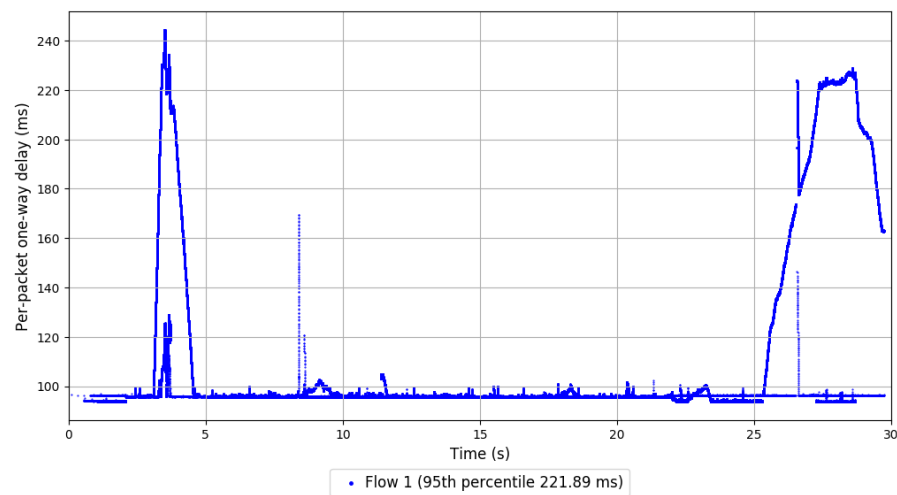
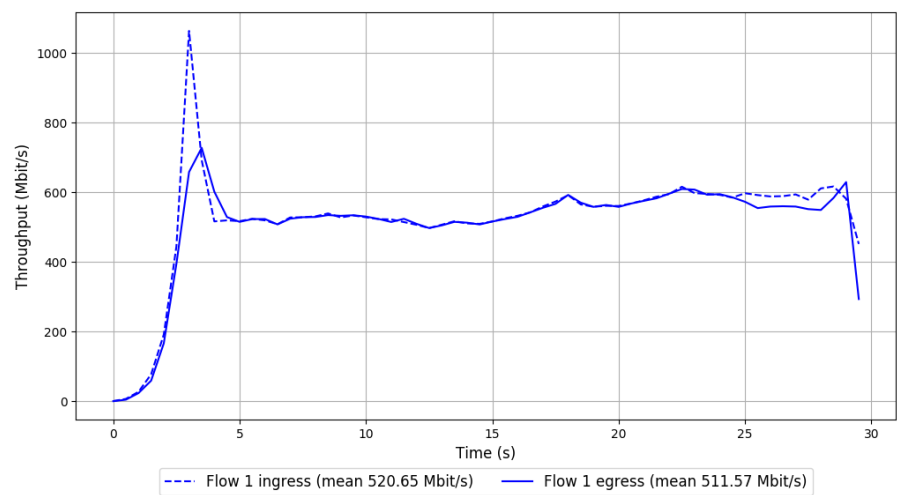
-- Flow 1:

Average throughput: 511.57 Mbit/s

95th percentile per-packet one-way delay: 221.889 ms

Loss rate: 2.49%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-27 06:56:57

End at: 2018-02-27 06:57:28

Below is generated by plot.py at 2018-02-27 11:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.94 Mbit/s

95th percentile per-packet one-way delay: 230.016 ms

Loss rate: 3.94%

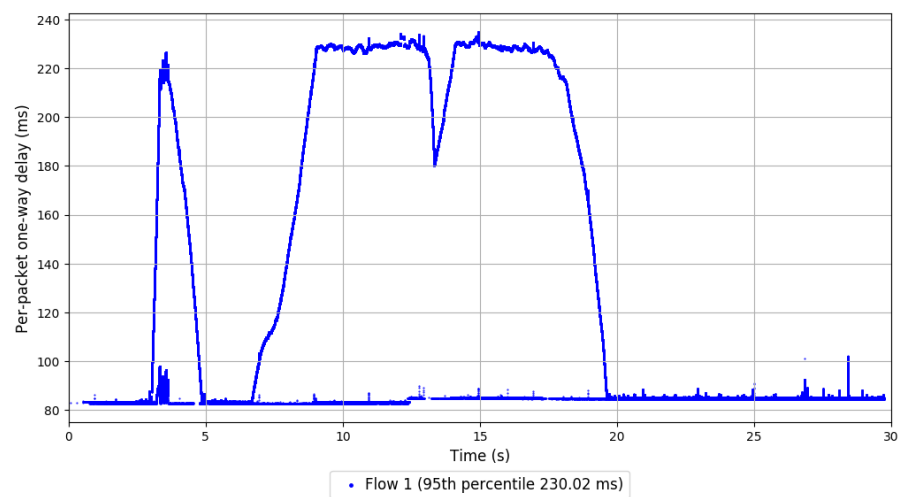
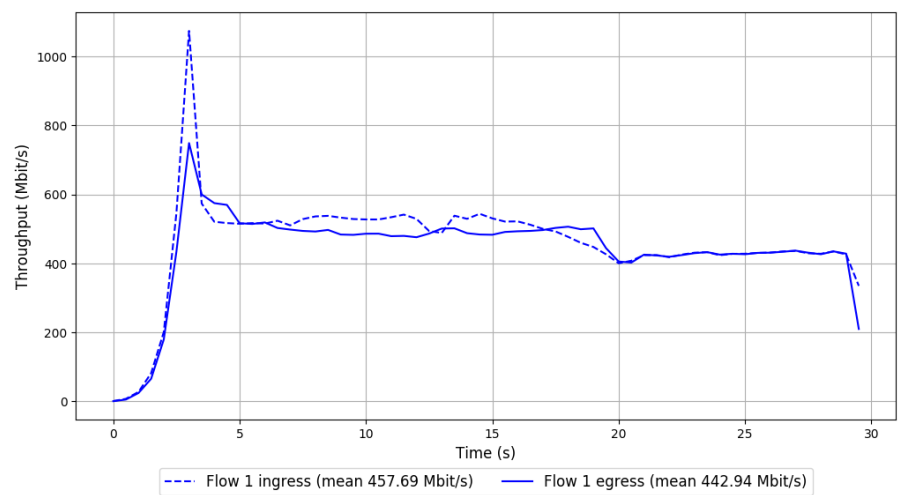
-- Flow 1:

Average throughput: 442.94 Mbit/s

95th percentile per-packet one-way delay: 230.016 ms

Loss rate: 3.94%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-27 07:12:28

End at: 2018-02-27 07:12:58

Below is generated by plot.py at 2018-02-27 11:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.80 Mbit/s

95th percentile per-packet one-way delay: 246.412 ms

Loss rate: 2.82%

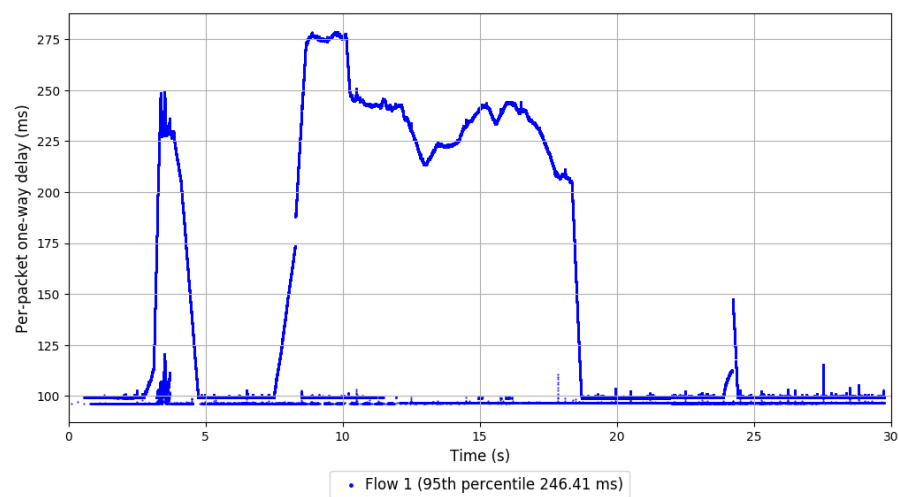
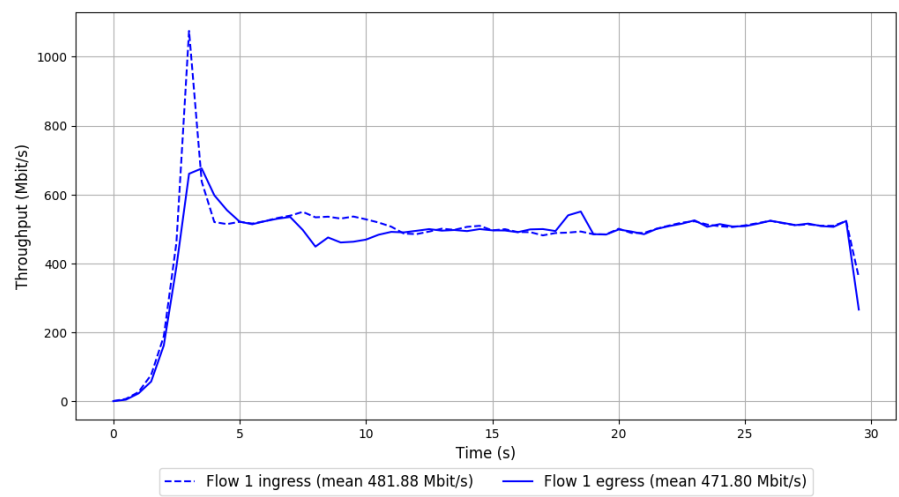
-- Flow 1:

Average throughput: 471.80 Mbit/s

95th percentile per-packet one-way delay: 246.412 ms

Loss rate: 2.82%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-27 07:27:56

End at: 2018-02-27 07:28:26

Below is generated by plot.py at 2018-02-27 11:41:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.73 Mbit/s

95th percentile per-packet one-way delay: 219.529 ms

Loss rate: 1.99%

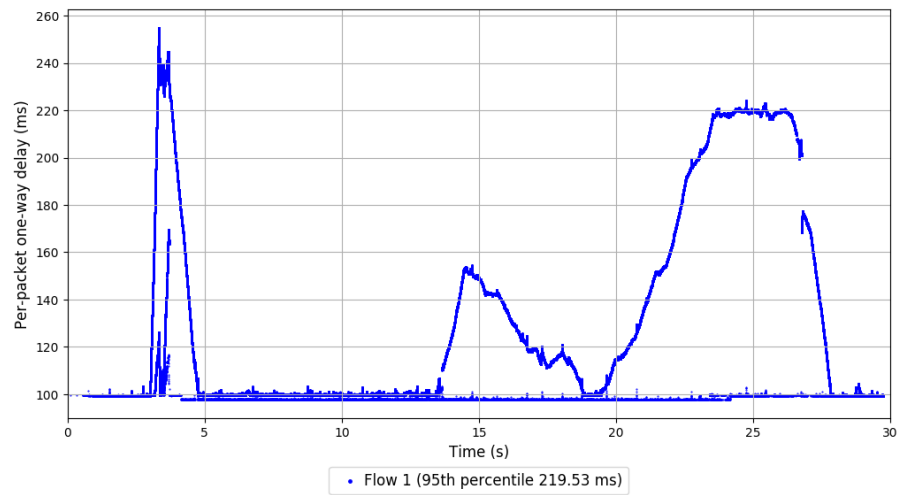
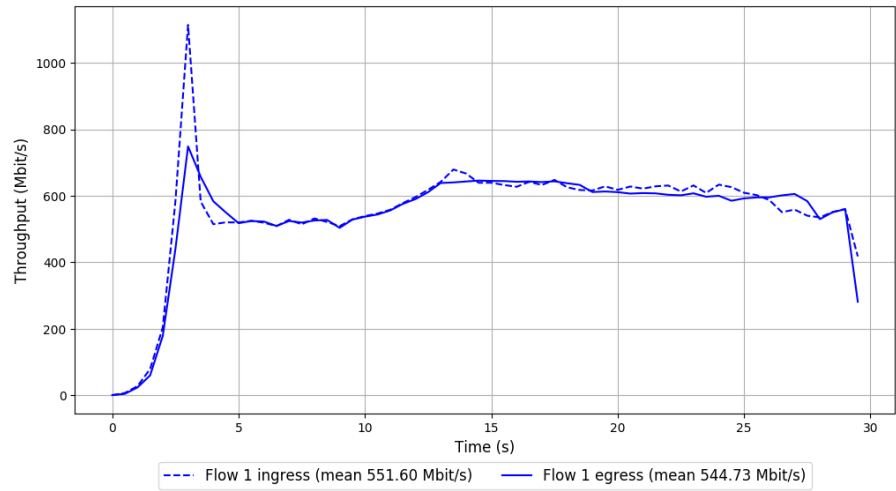
-- Flow 1:

Average throughput: 544.73 Mbit/s

95th percentile per-packet one-way delay: 219.529 ms

Loss rate: 1.99%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-27 07:43:35

End at: 2018-02-27 07:44:05

Below is generated by plot.py at 2018-02-27 11:41:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 416.42 Mbit/s

95th percentile per-packet one-way delay: 244.047 ms

Loss rate: 2.58%

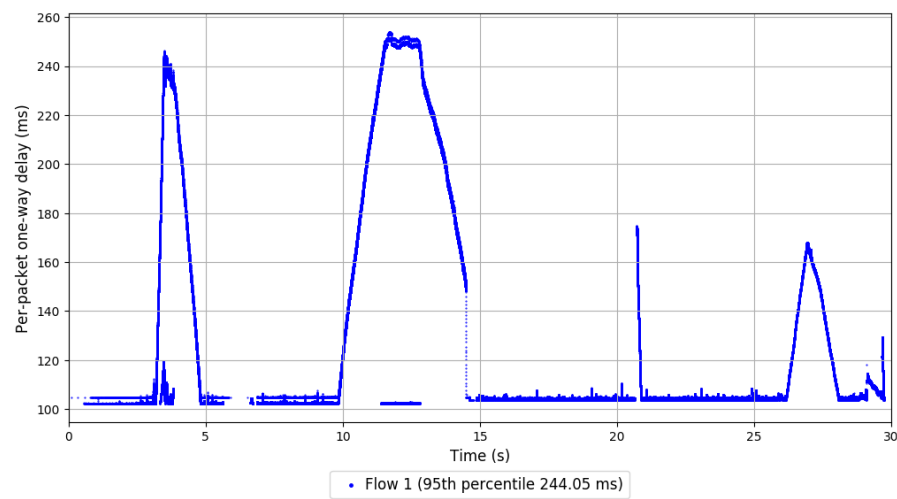
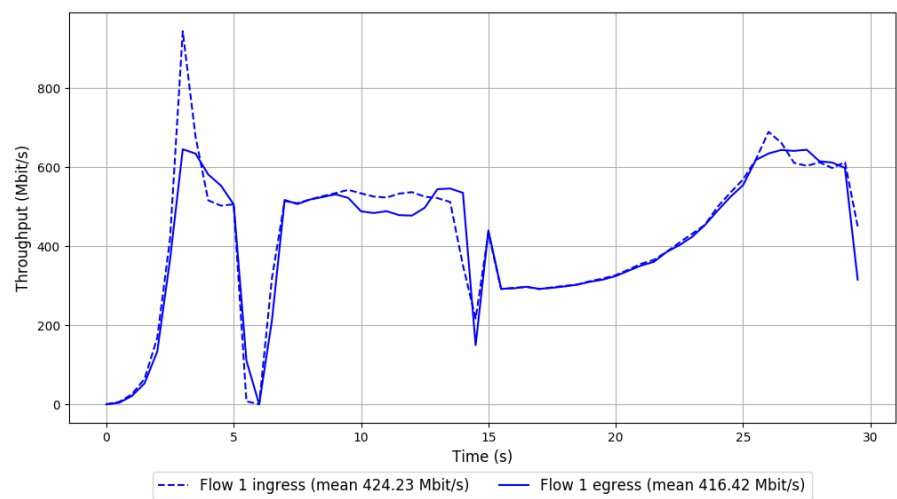
-- Flow 1:

Average throughput: 416.42 Mbit/s

95th percentile per-packet one-way delay: 244.047 ms

Loss rate: 2.58%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-27 07:59:11

End at: 2018-02-27 07:59:41

Below is generated by plot.py at 2018-02-27 11:41:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.09 Mbit/s

95th percentile per-packet one-way delay: 233.886 ms

Loss rate: 3.59%

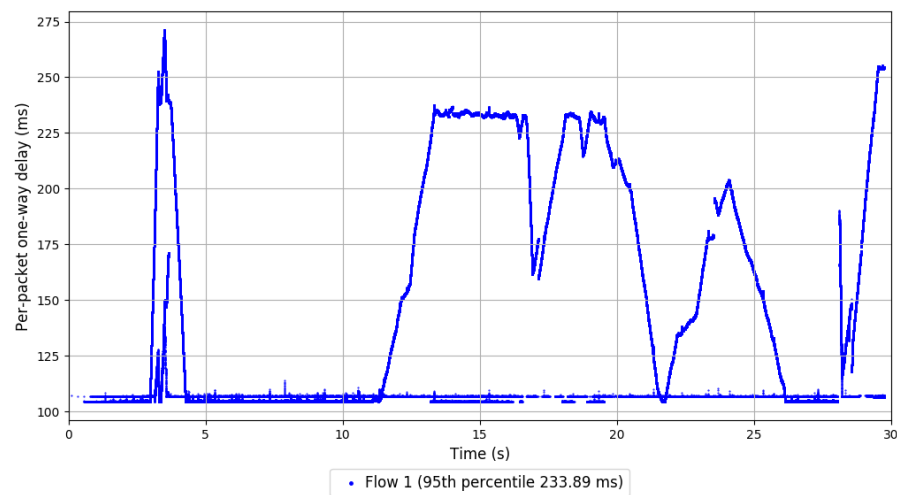
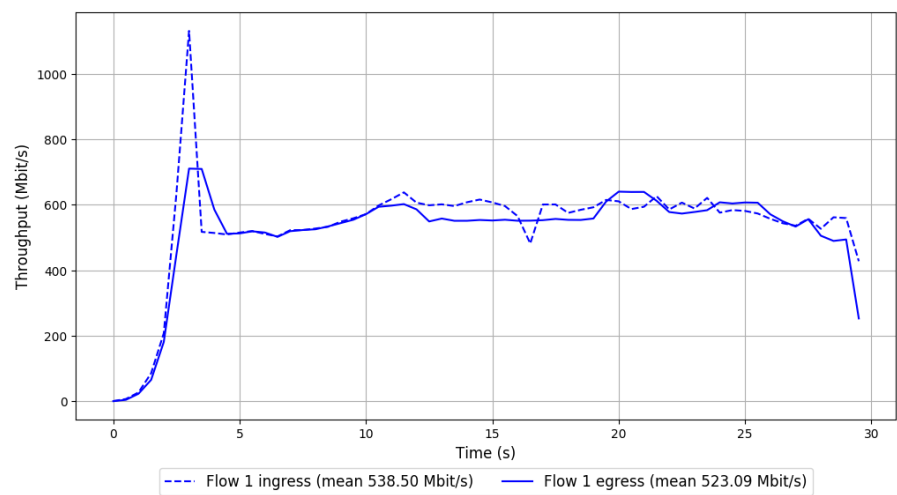
-- Flow 1:

Average throughput: 523.09 Mbit/s

95th percentile per-packet one-way delay: 233.886 ms

Loss rate: 3.59%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-27 08:15:02

End at: 2018-02-27 08:15:32

Below is generated by plot.py at 2018-02-27 11:47:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.23 Mbit/s

95th percentile per-packet one-way delay: 237.653 ms

Loss rate: 2.35%

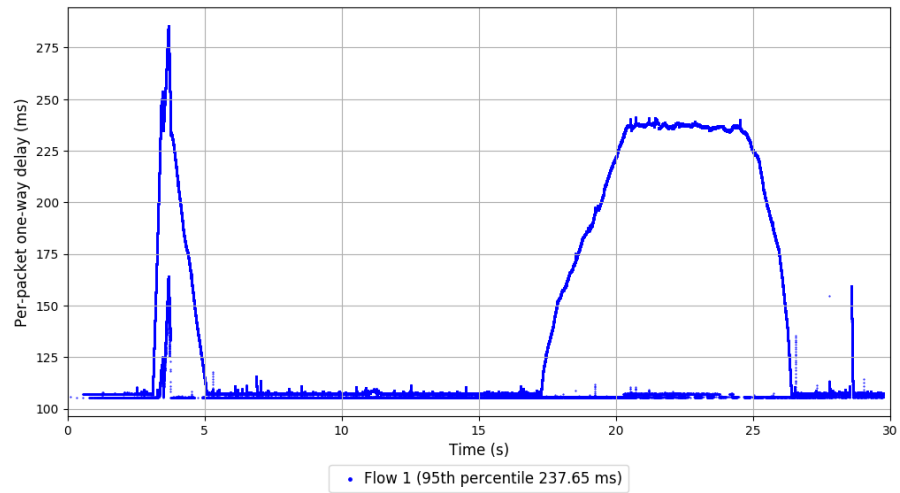
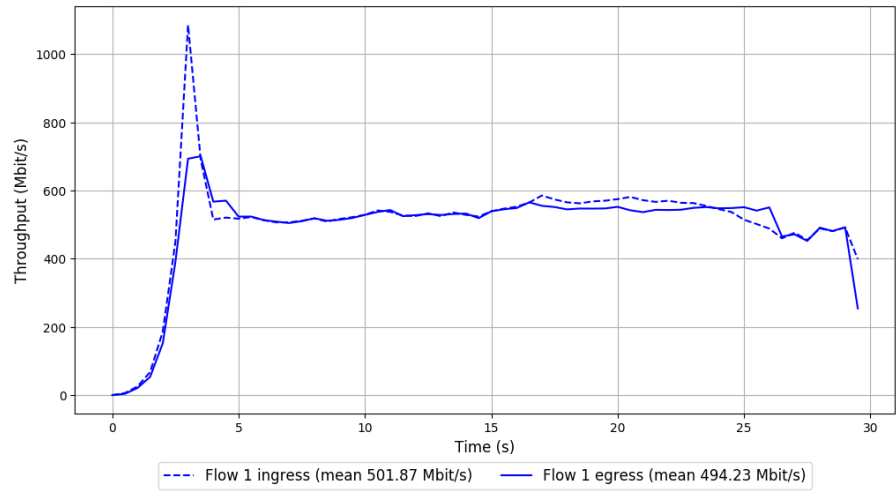
-- Flow 1:

Average throughput: 494.23 Mbit/s

95th percentile per-packet one-way delay: 237.653 ms

Loss rate: 2.35%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-27 08:31:03

End at: 2018-02-27 08:31:33

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 524.21 Mbit/s

95th percentile per-packet one-way delay: 232.791 ms

Loss rate: 2.31%

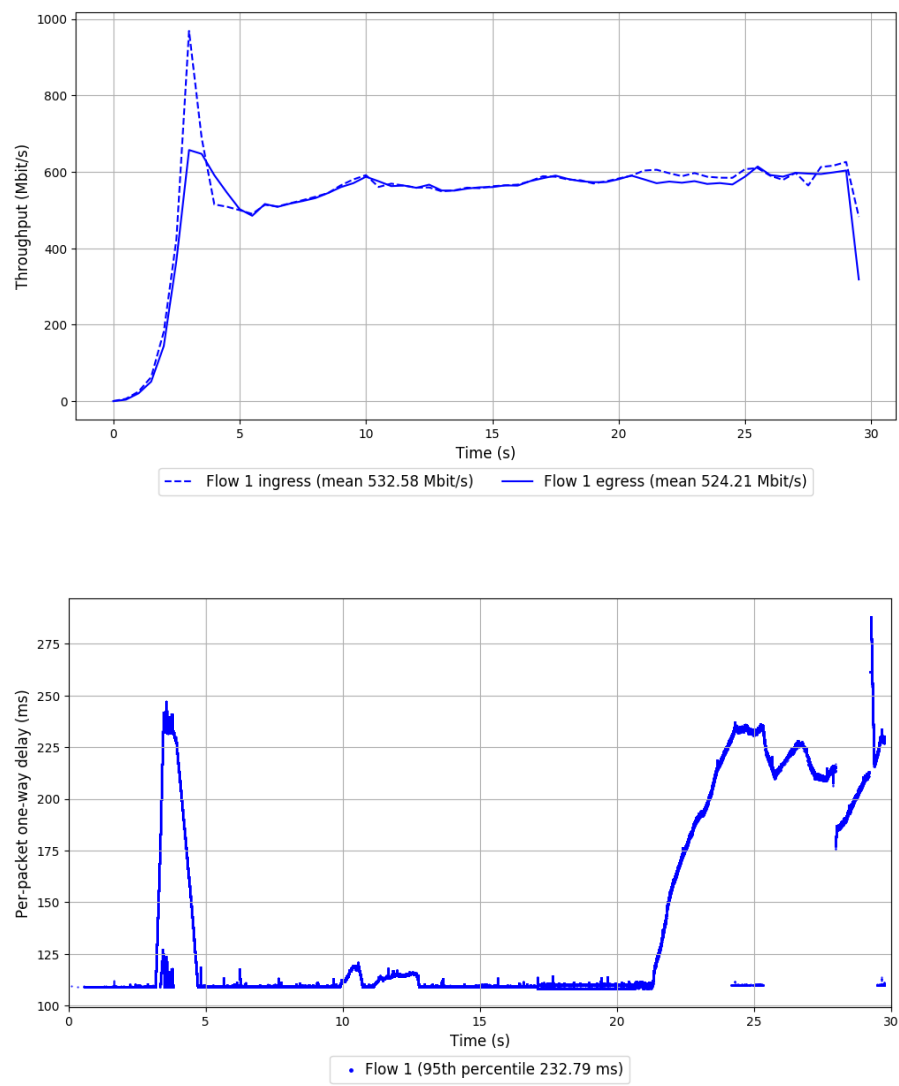
-- Flow 1:

Average throughput: 524.21 Mbit/s

95th percentile per-packet one-way delay: 232.791 ms

Loss rate: 2.31%

Run 10: Report of PCC — Data Link

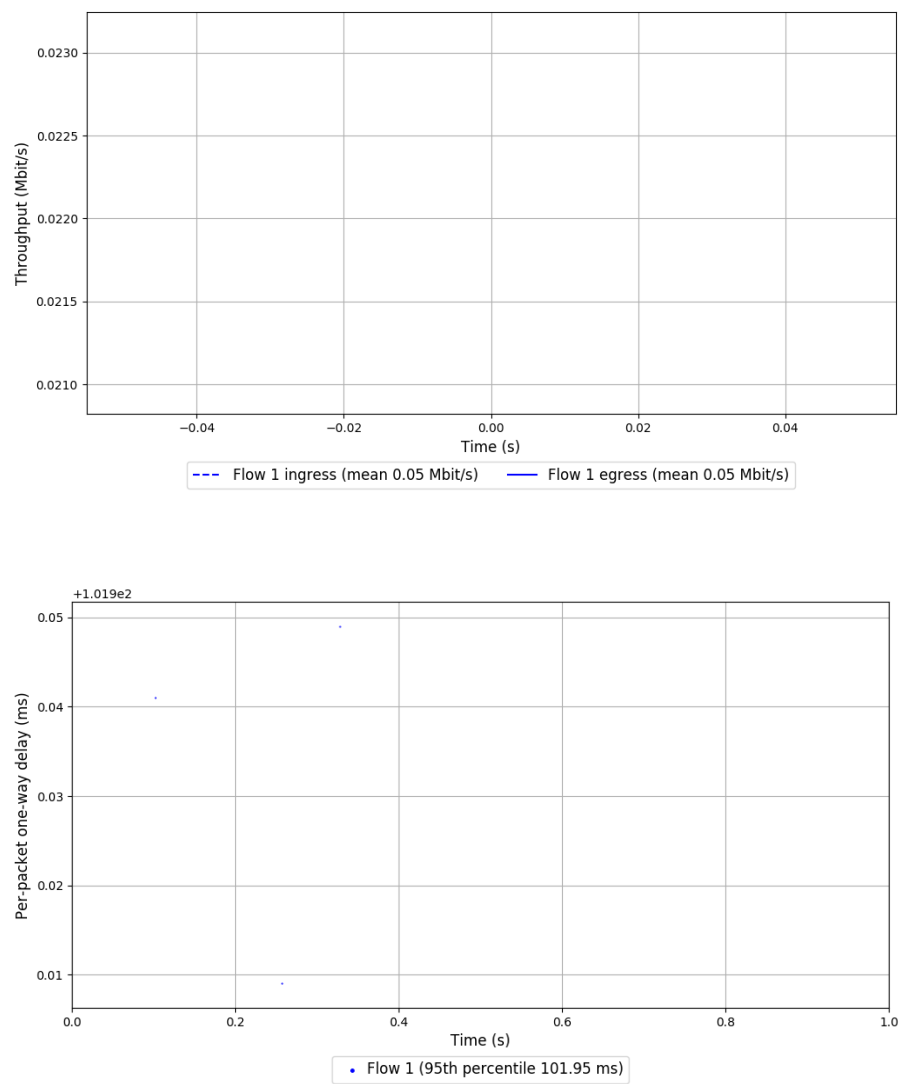


Run 1: Statistics of QUIC Cubic

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

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

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-27 06:33:19

End at: 2018-02-27 06:33:49

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.00 Mbit/s

95th percentile per-packet one-way delay: 94.086 ms

Loss rate: 0.98%

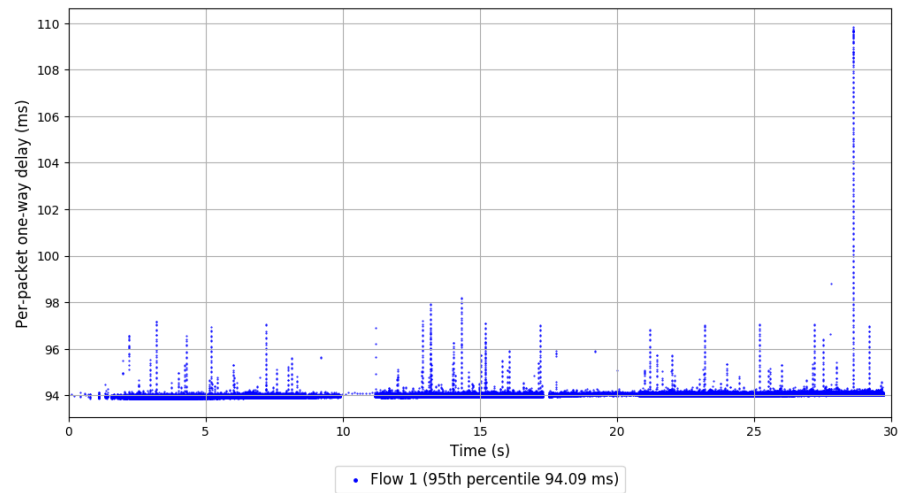
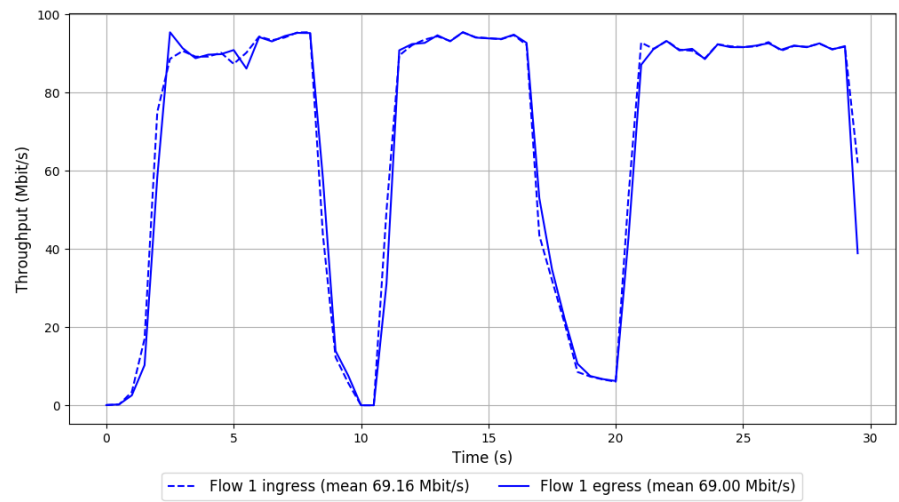
-- Flow 1:

Average throughput: 69.00 Mbit/s

95th percentile per-packet one-way delay: 94.086 ms

Loss rate: 0.98%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-27 06:49:12

End at: 2018-02-27 06:49:42

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 90.283 ms

Loss rate: 1.02%

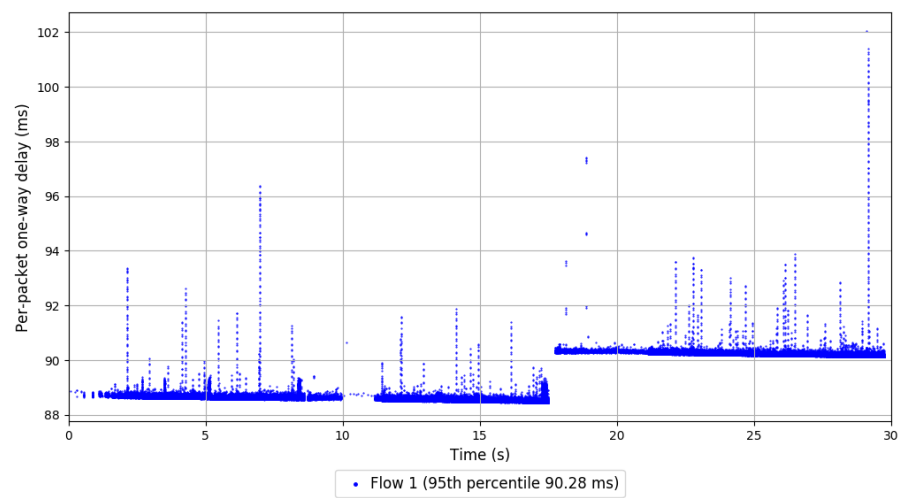
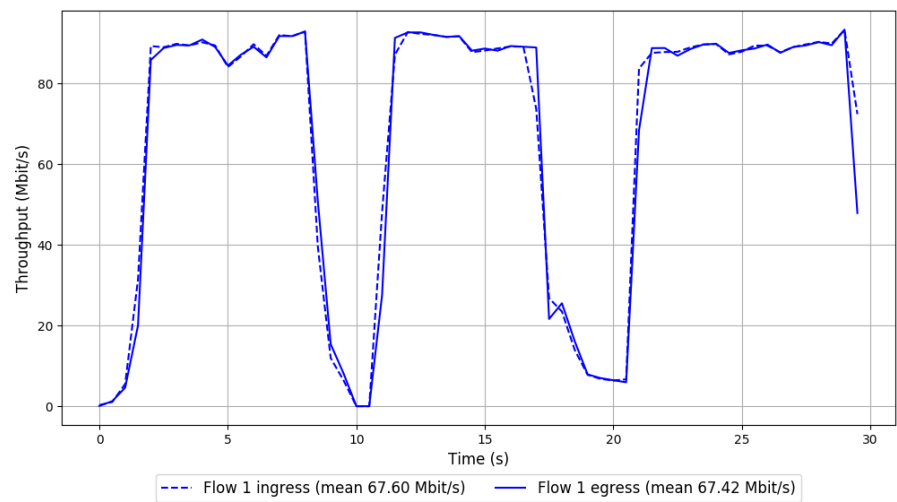
-- Flow 1:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 90.283 ms

Loss rate: 1.02%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-27 07:05:03

End at: 2018-02-27 07:05:33

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.25 Mbit/s

95th percentile per-packet one-way delay: 90.531 ms

Loss rate: 0.18%

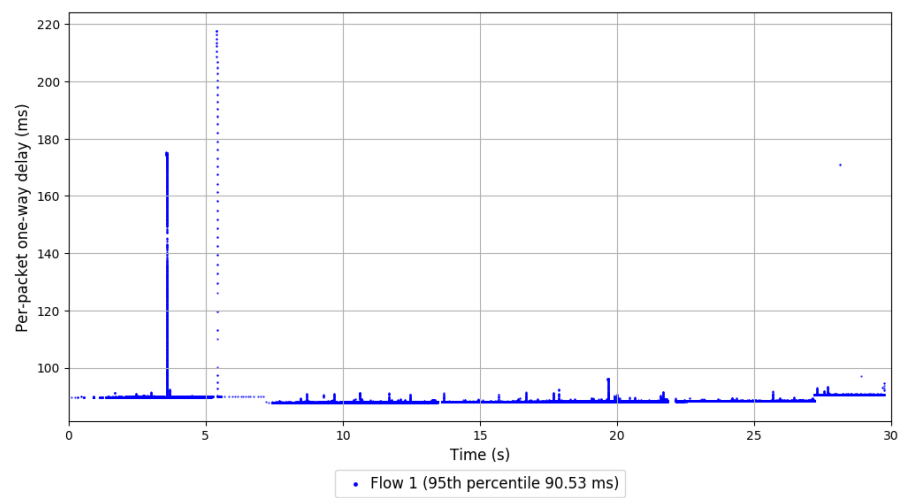
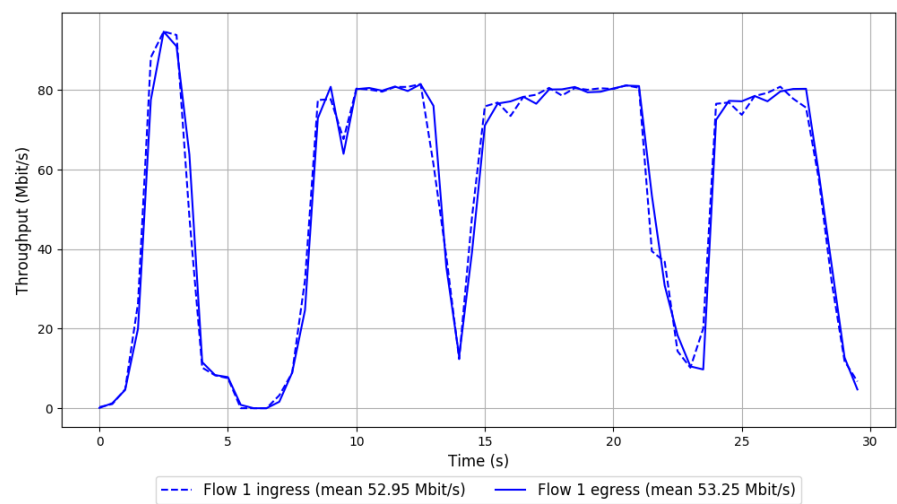
-- Flow 1:

Average throughput: 53.25 Mbit/s

95th percentile per-packet one-way delay: 90.531 ms

Loss rate: 0.18%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-27 07:20:35

End at: 2018-02-27 07:21:05

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.59 Mbit/s

95th percentile per-packet one-way delay: 100.538 ms

Loss rate: 0.94%

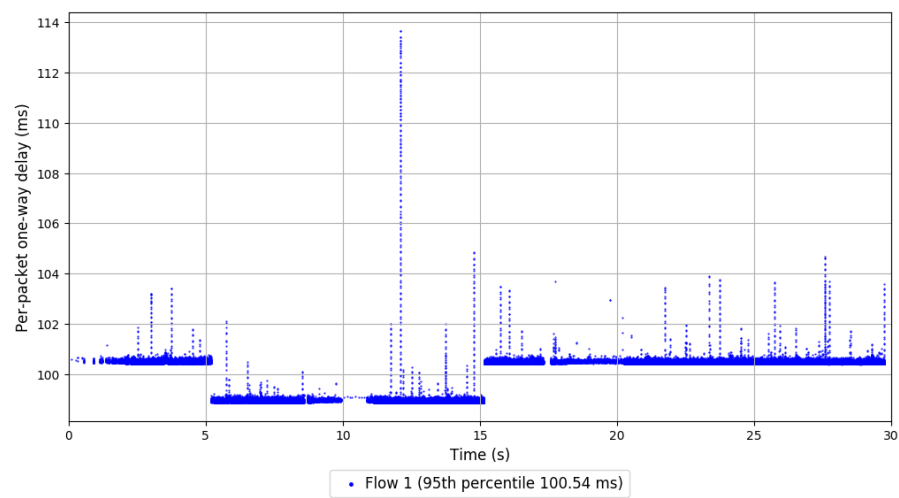
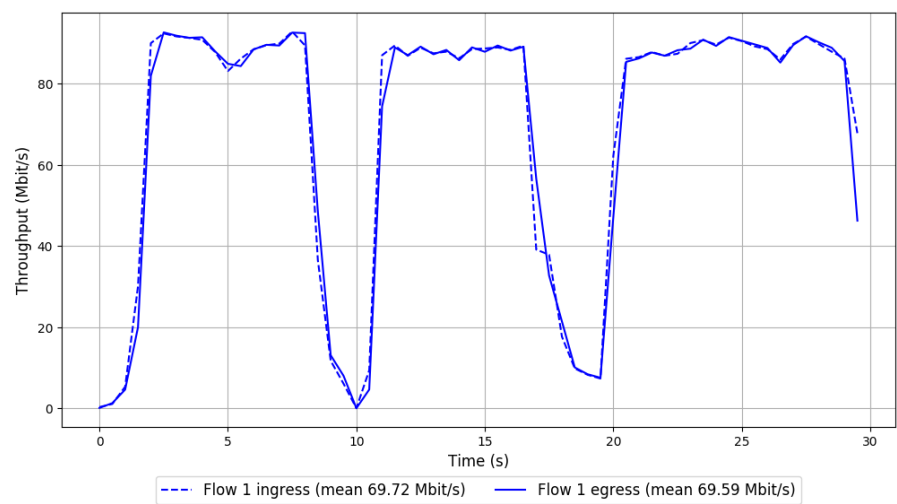
-- Flow 1:

Average throughput: 69.59 Mbit/s

95th percentile per-packet one-way delay: 100.538 ms

Loss rate: 0.94%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-27 07:36:12

End at: 2018-02-27 07:36:42

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.13 Mbit/s

95th percentile per-packet one-way delay: 98.332 ms

Loss rate: 0.97%

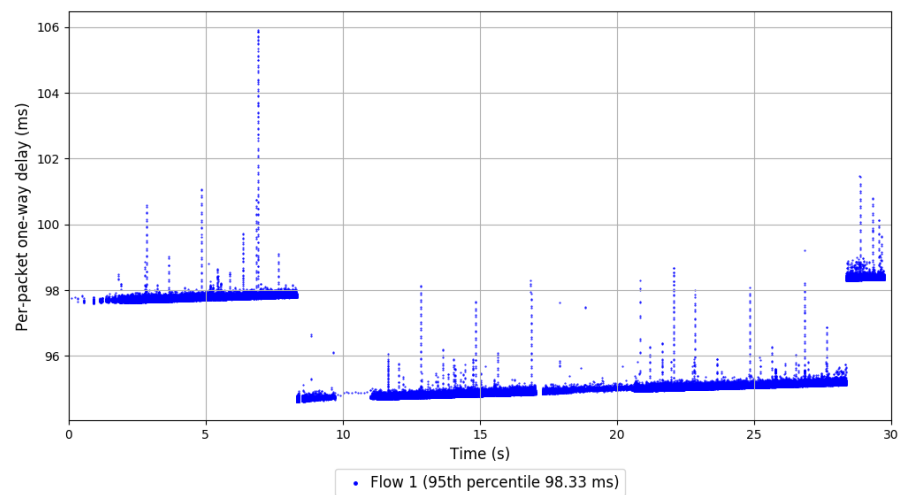
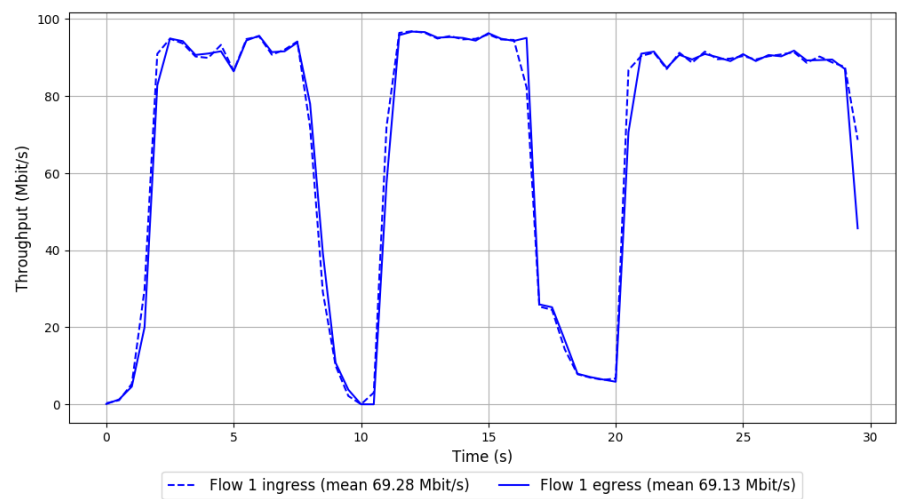
-- Flow 1:

Average throughput: 69.13 Mbit/s

95th percentile per-packet one-way delay: 98.332 ms

Loss rate: 0.97%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-27 07:51:46

End at: 2018-02-27 07:52:16

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.94 Mbit/s

95th percentile per-packet one-way delay: 105.787 ms

Loss rate: 0.94%

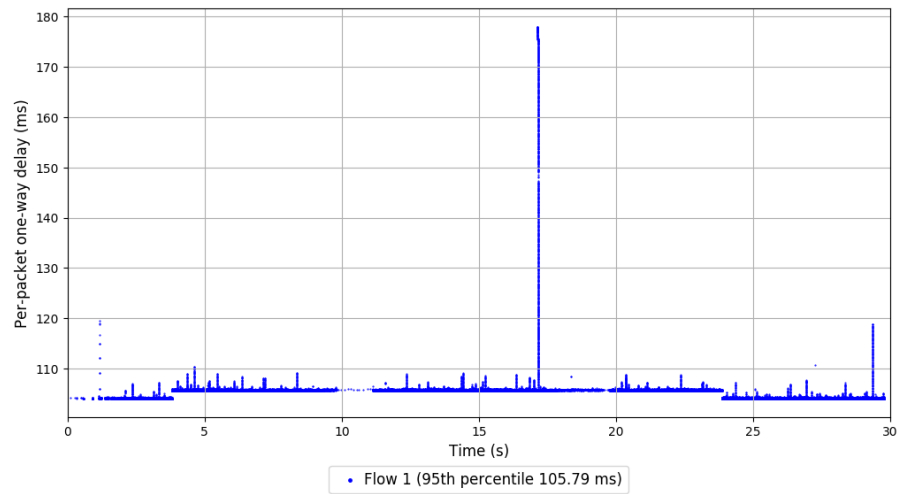
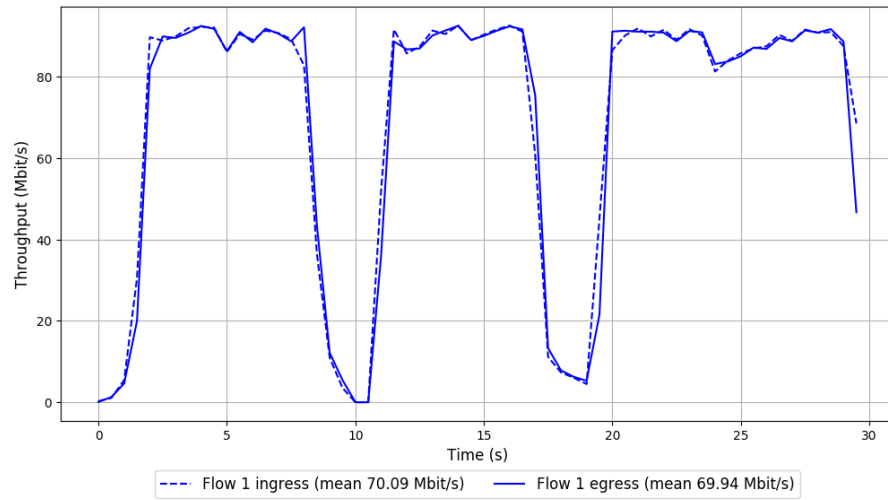
-- Flow 1:

Average throughput: 69.94 Mbit/s

95th percentile per-packet one-way delay: 105.787 ms

Loss rate: 0.94%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-27 08:07:12

End at: 2018-02-27 08:07:42

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.10 Mbit/s

95th percentile per-packet one-way delay: 107.680 ms

Loss rate: 1.03%

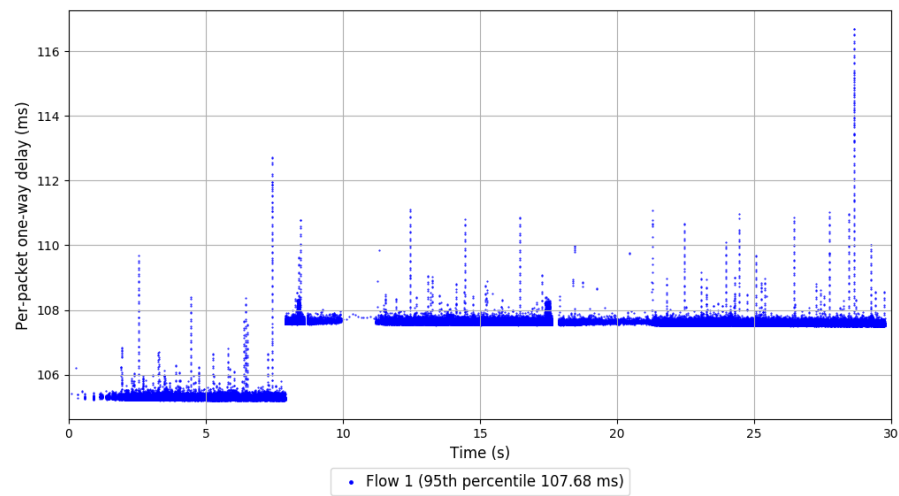
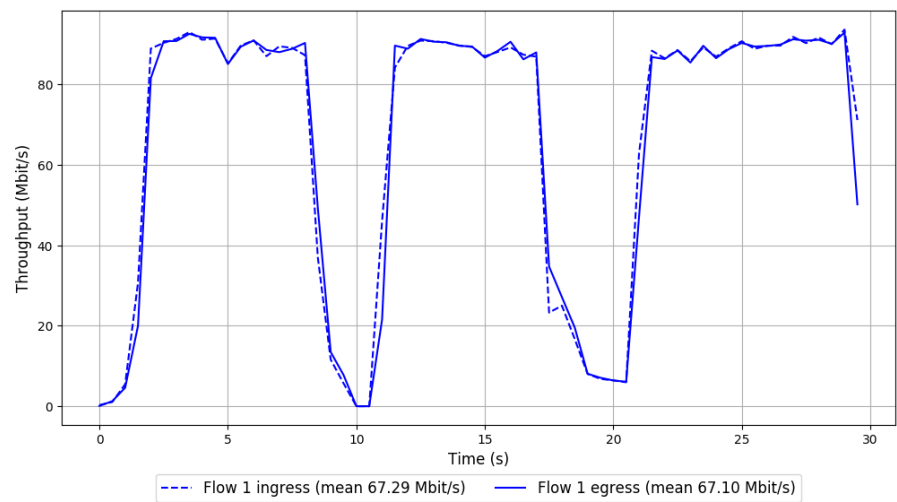
-- Flow 1:

Average throughput: 67.10 Mbit/s

95th percentile per-packet one-way delay: 107.680 ms

Loss rate: 1.03%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-27 08:23:22

End at: 2018-02-27 08:23:52

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 109.542 ms

Loss rate: 0.99%

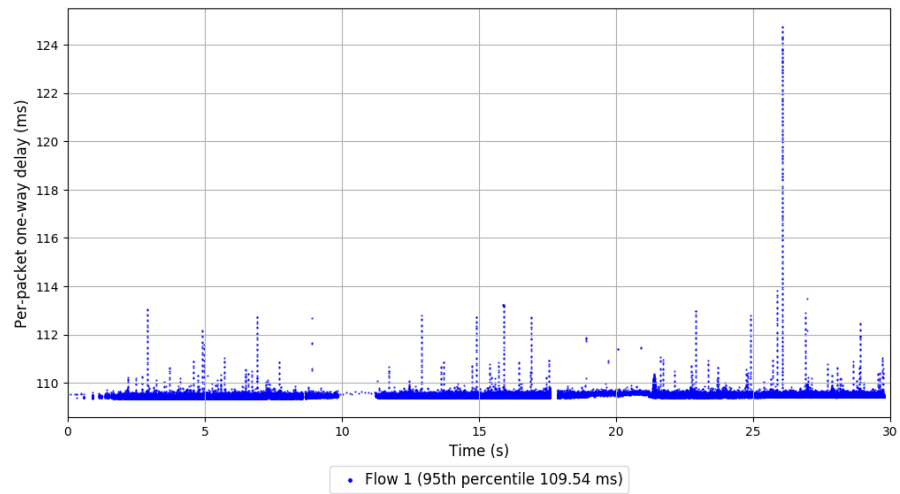
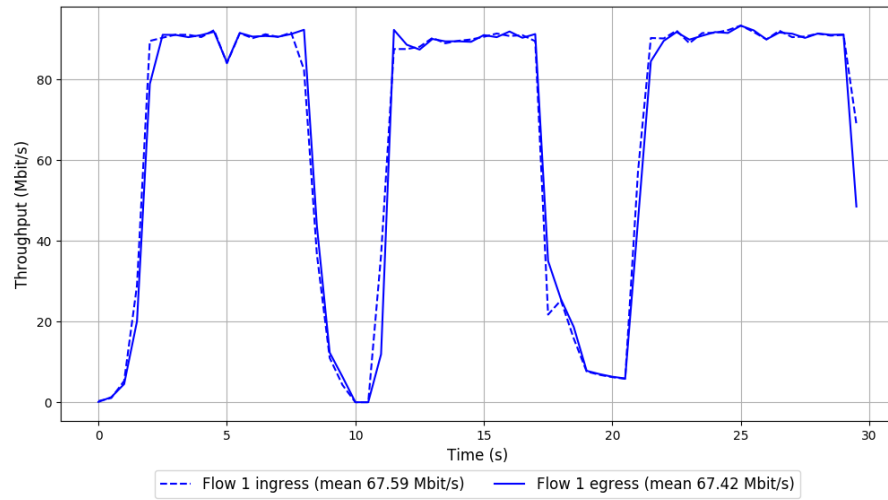
-- Flow 1:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 109.542 ms

Loss rate: 0.99%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-27 08:39:11

End at: 2018-02-27 08:39:41

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.06 Mbit/s

95th percentile per-packet one-way delay: 110.484 ms

Loss rate: 0.98%

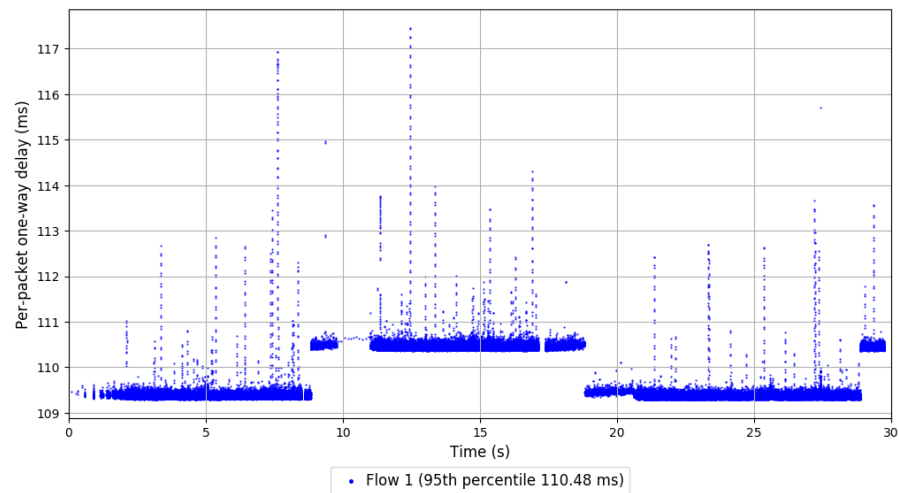
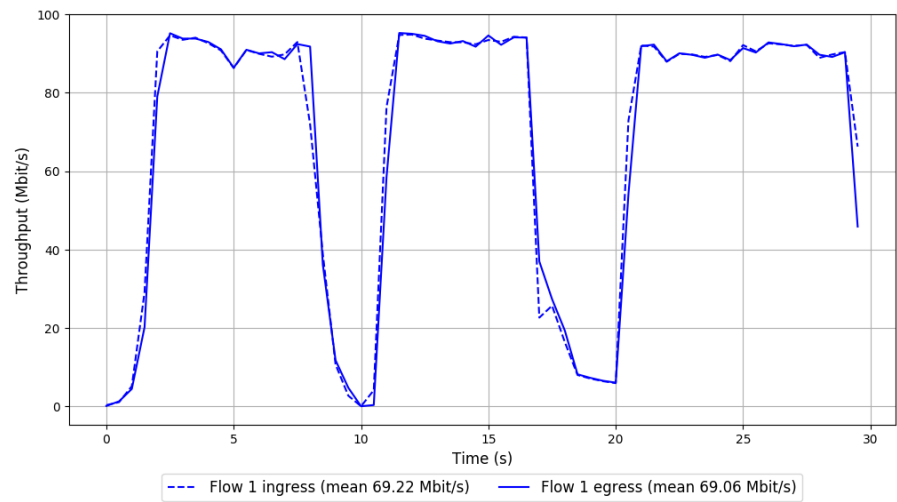
-- Flow 1:

Average throughput: 69.06 Mbit/s

95th percentile per-packet one-way delay: 110.484 ms

Loss rate: 0.98%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-02-27 06:14:55

End at: 2018-02-27 06:15:25

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 101.493 ms

Loss rate: 0.77%

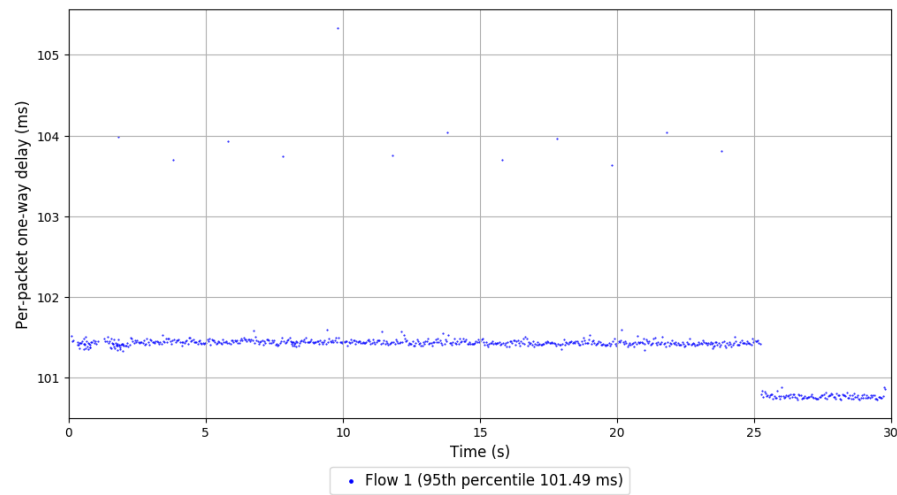
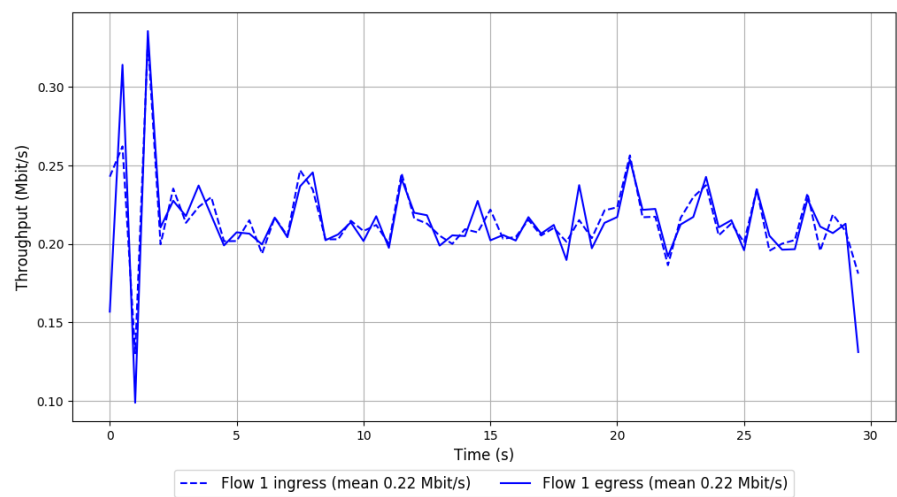
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 101.493 ms

Loss rate: 0.77%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-02-27 06:30:36

End at: 2018-02-27 06:31:06

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 93.931 ms

Loss rate: 0.77%

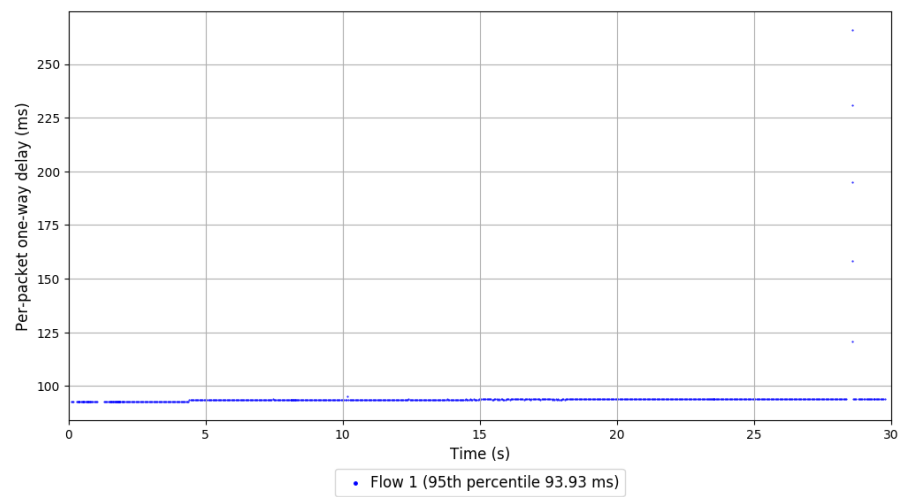
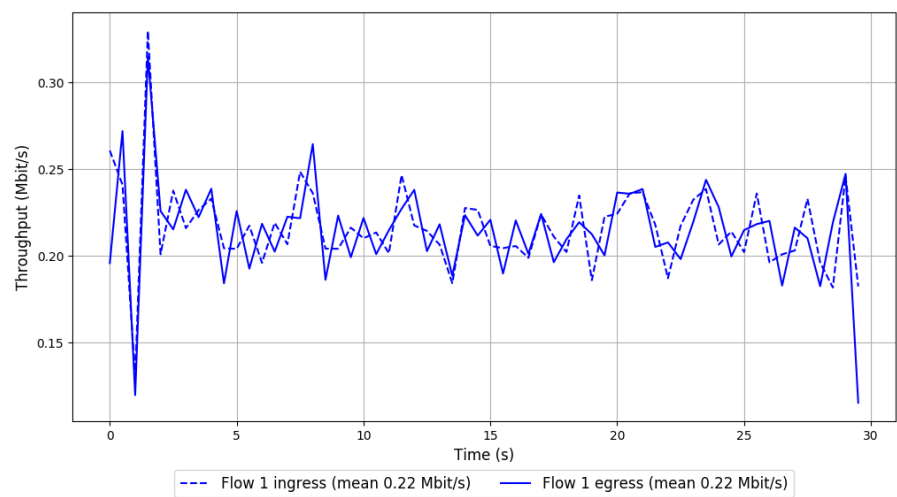
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 93.931 ms

Loss rate: 0.77%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-27 06:46:29

End at: 2018-02-27 06:46:59

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 92.858 ms

Loss rate: 0.76%

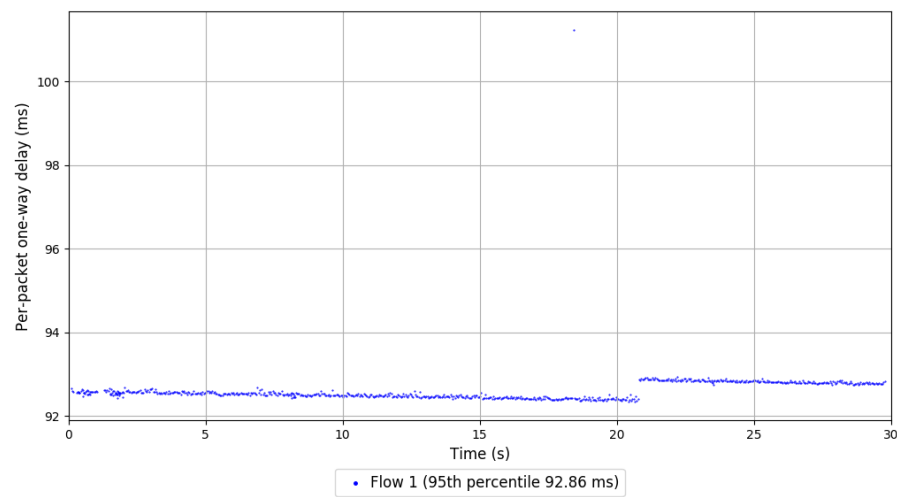
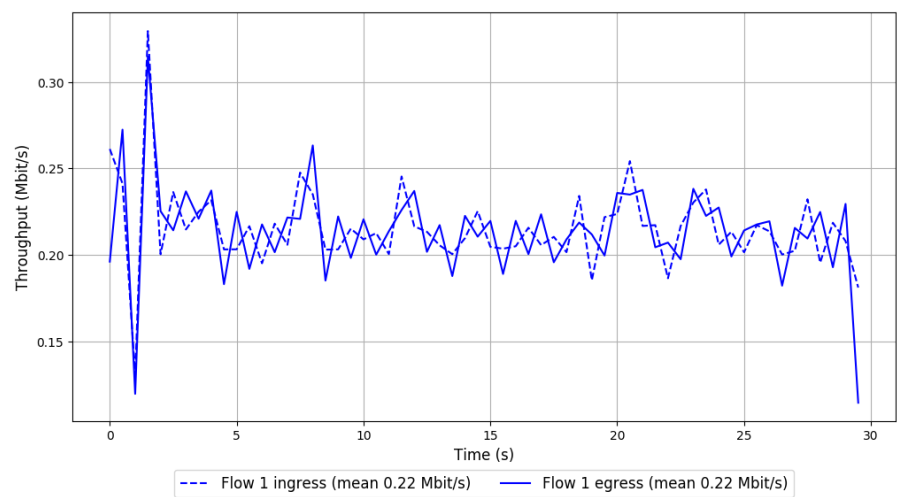
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 92.858 ms

Loss rate: 0.76%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-27 07:02:20

End at: 2018-02-27 07:02:50

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 81.770 ms

Loss rate: 0.76%

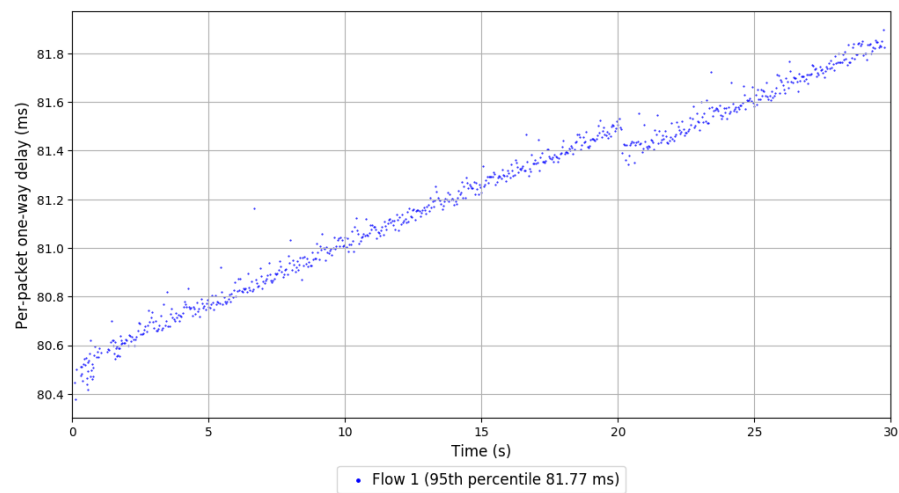
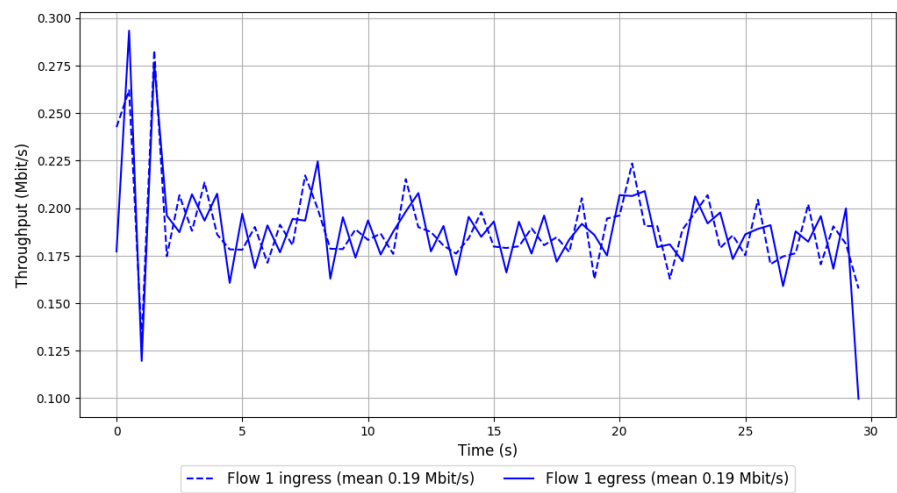
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 81.770 ms

Loss rate: 0.76%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-27 07:17:50

End at: 2018-02-27 07:18:20

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 100.925 ms

Loss rate: 0.76%

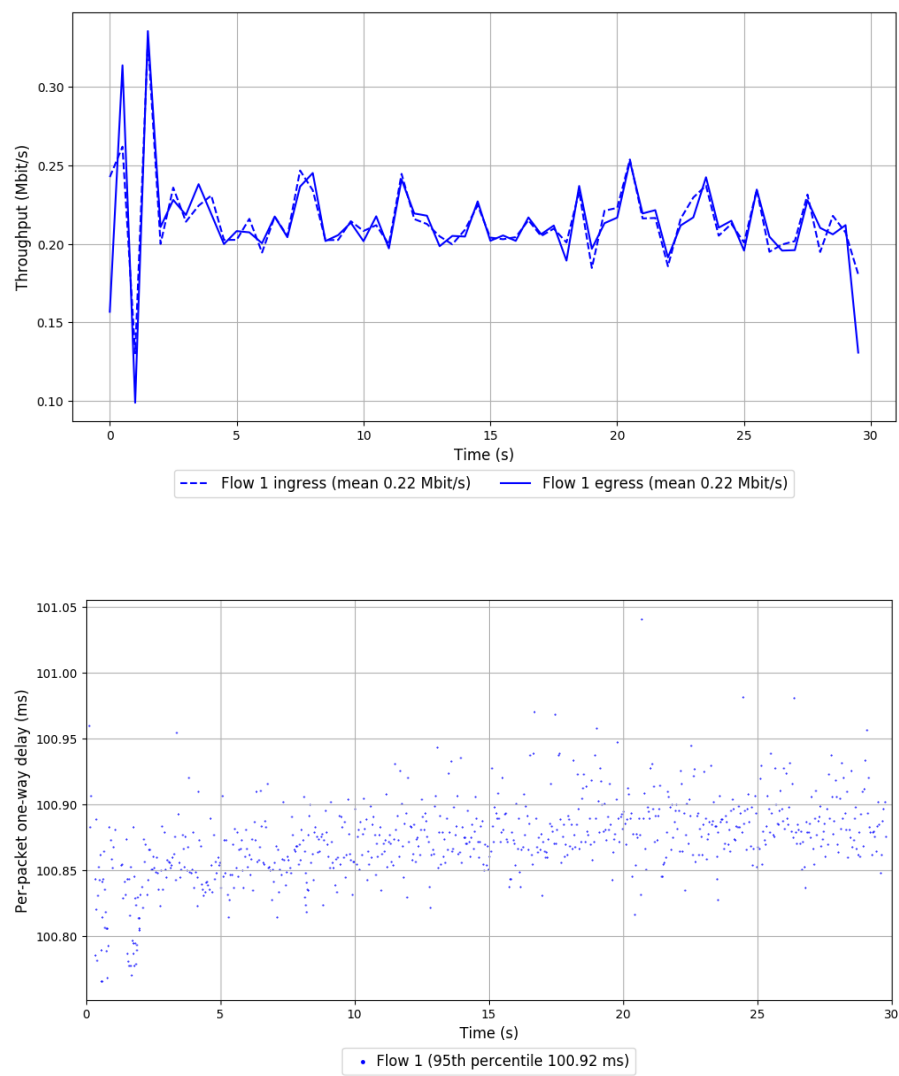
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 100.925 ms

Loss rate: 0.76%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-27 07:33:29

End at: 2018-02-27 07:33:59

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.207 ms

Loss rate: 0.76%

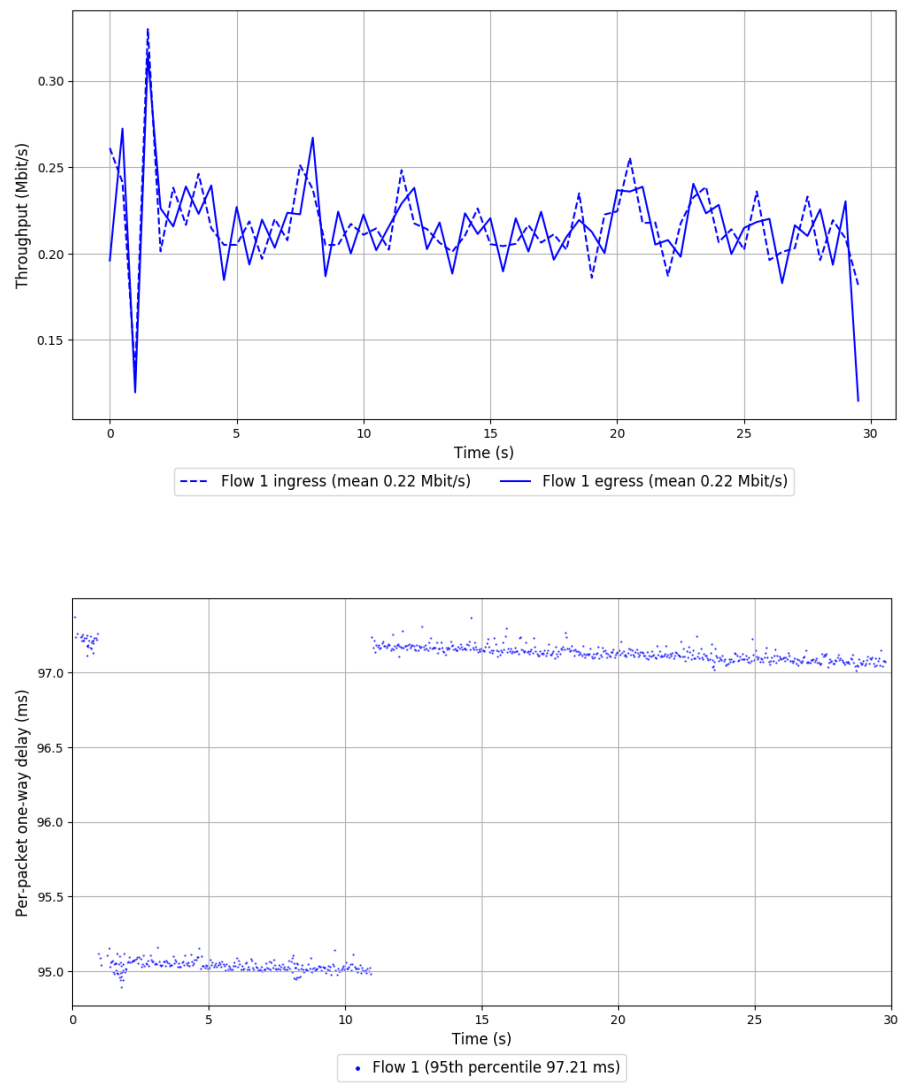
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.207 ms

Loss rate: 0.76%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-02-27 07:49:11

End at: 2018-02-27 07:49:41

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.966 ms

Loss rate: 0.76%

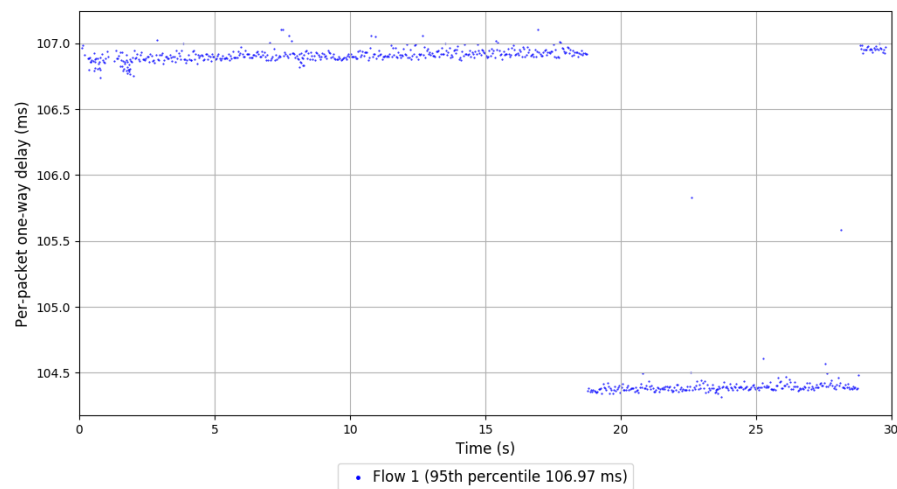
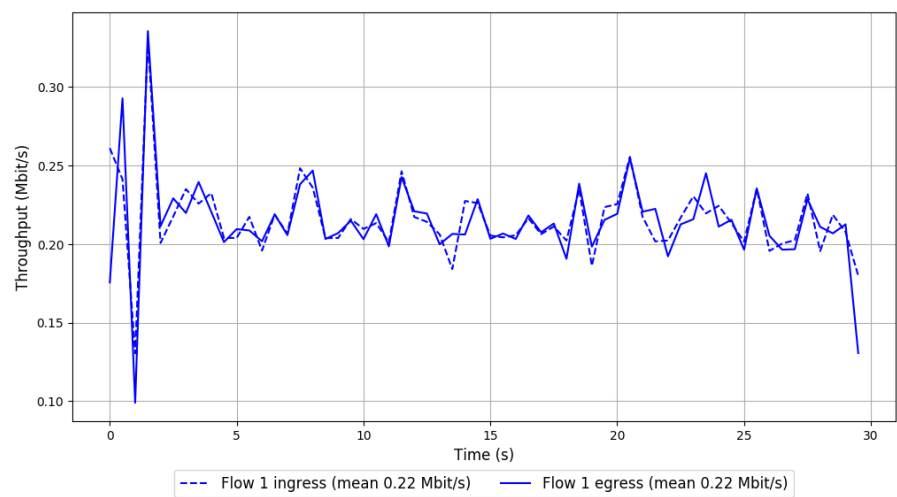
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.966 ms

Loss rate: 0.76%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-27 08:04:36

End at: 2018-02-27 08:05:06

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 105.283 ms

Loss rate: 0.51%

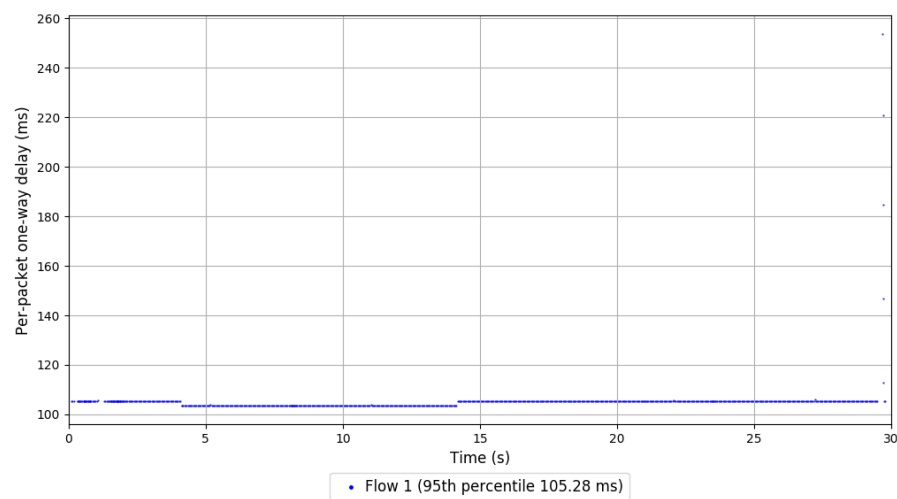
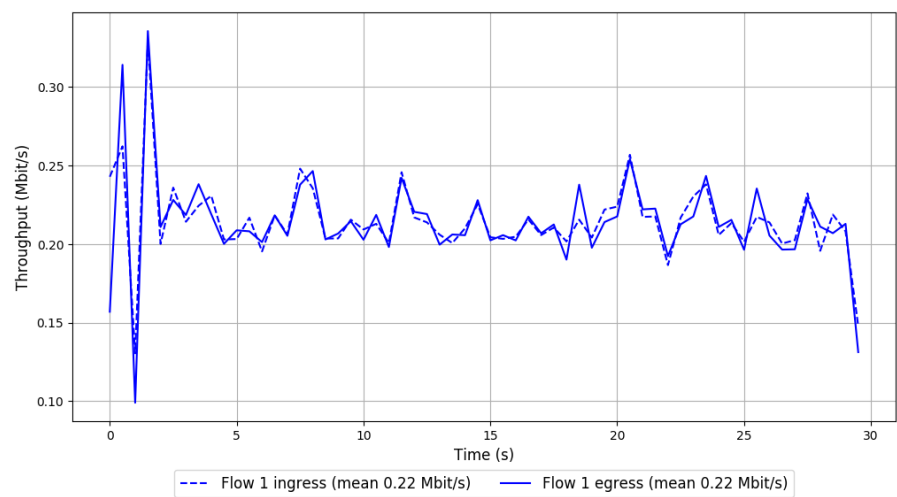
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 105.283 ms

Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-27 08:20:40

End at: 2018-02-27 08:21:10

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 110.502 ms

Loss rate: 0.76%

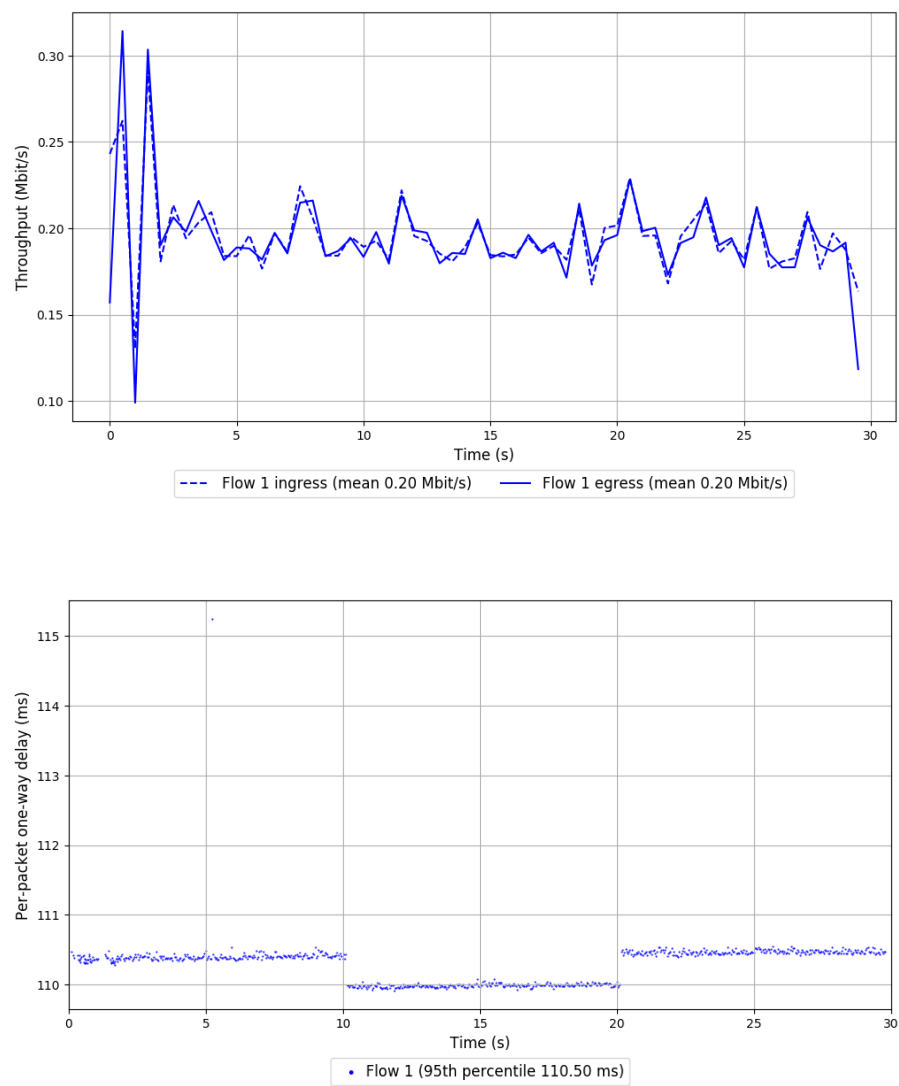
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 110.502 ms

Loss rate: 0.76%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-27 08:36:27

End at: 2018-02-27 08:36:57

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.307 ms

Loss rate: 0.77%

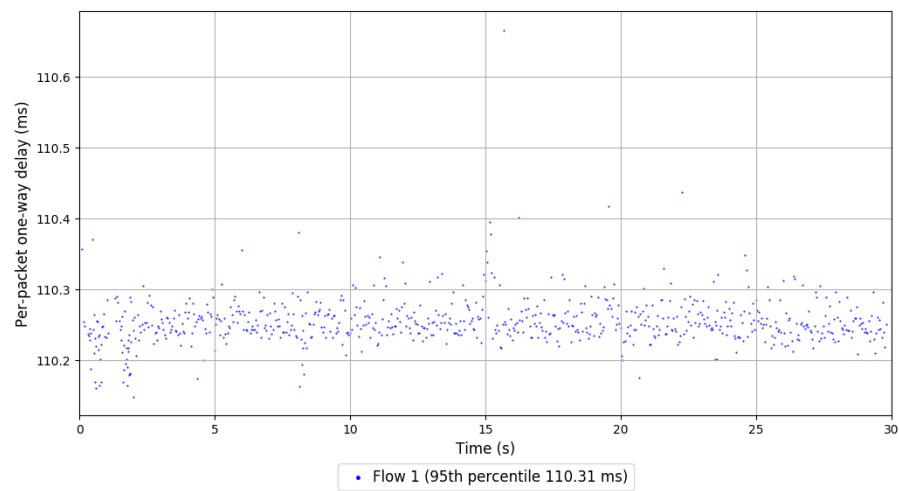
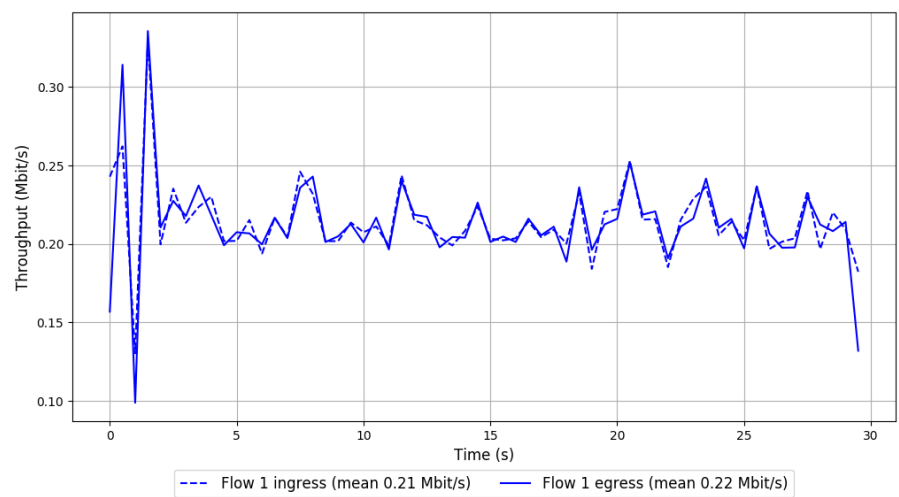
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.307 ms

Loss rate: 0.77%

Run 10: Report of SReAM — Data Link

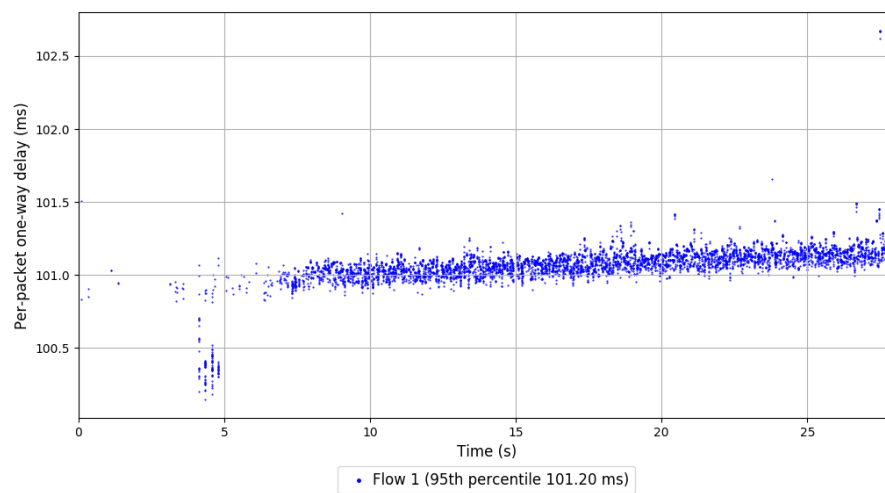
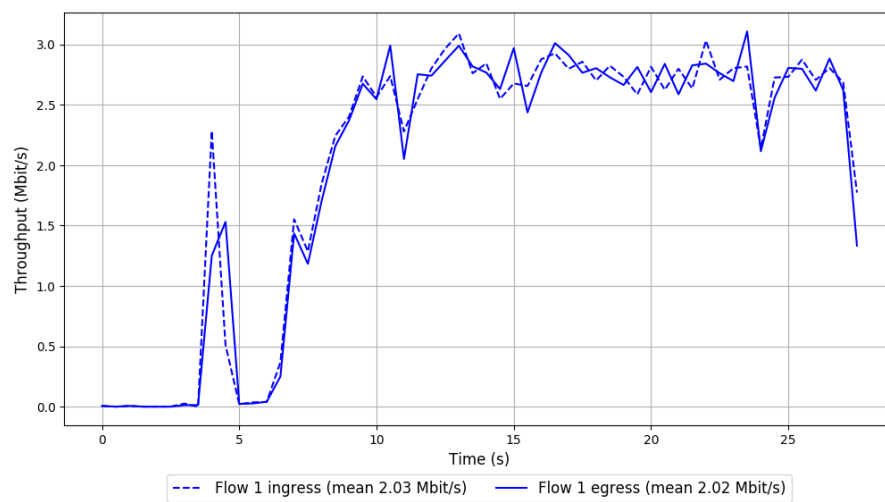


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-27 06:13:05
End at: 2018-02-27 06:13:35

# Below is generated by plot.py at 2018-02-27 11:48:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 101.200 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 101.200 ms
Loss rate: 0.98%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-27 06:28:46

End at: 2018-02-27 06:29:16

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 93.756 ms

Loss rate: 0.86%

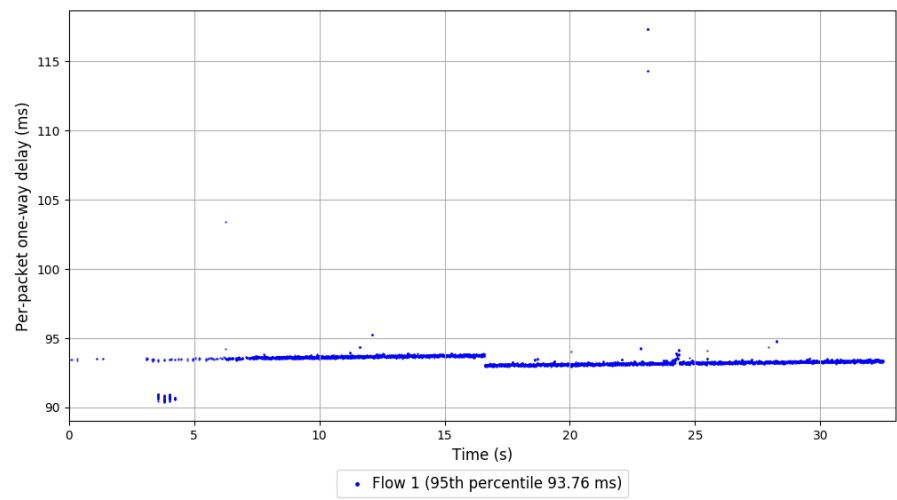
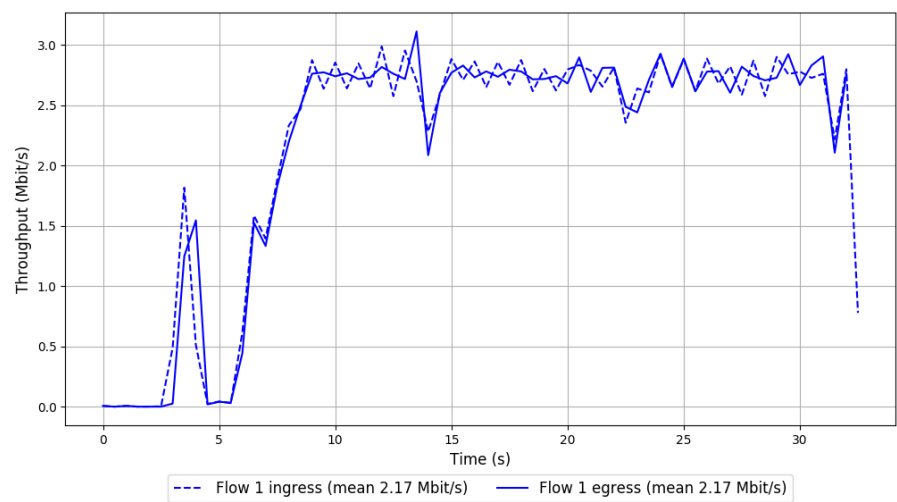
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 93.756 ms

Loss rate: 0.86%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-27 06:44:40

End at: 2018-02-27 06:45:10

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 95.559 ms

Loss rate: 0.81%

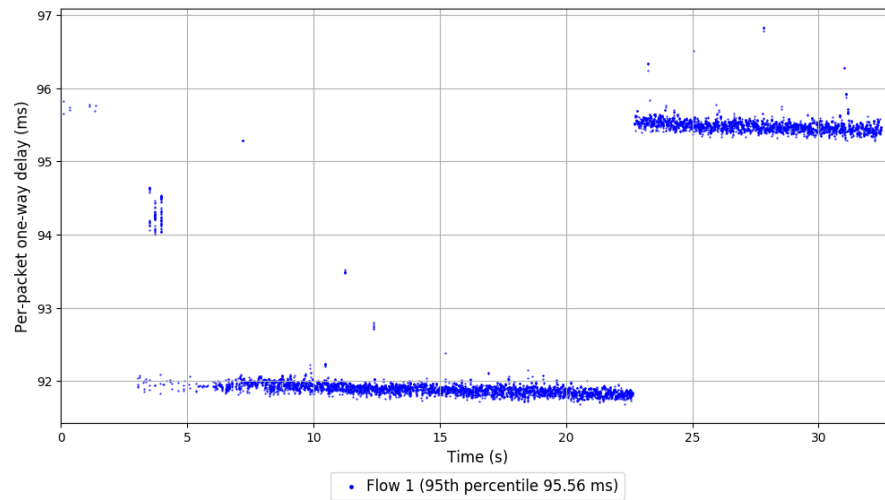
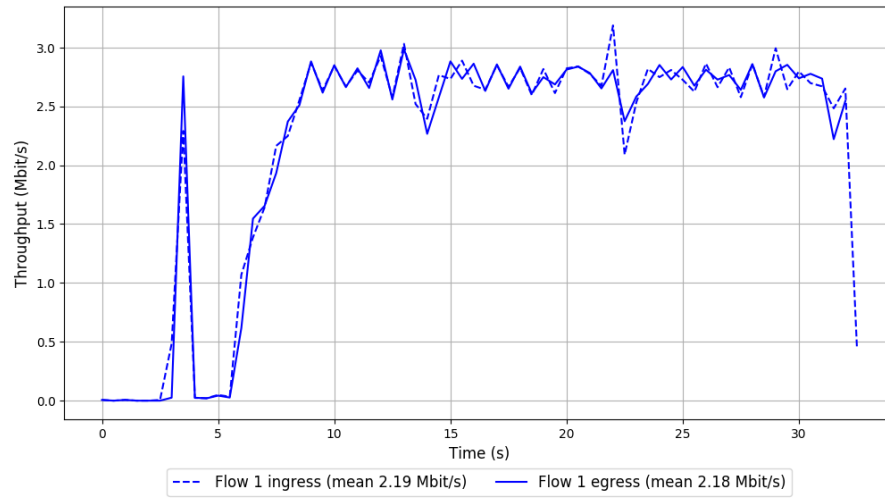
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 95.559 ms

Loss rate: 0.81%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-27 07:00:30

End at: 2018-02-27 07:01:00

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 82.633 ms

Loss rate: 0.93%

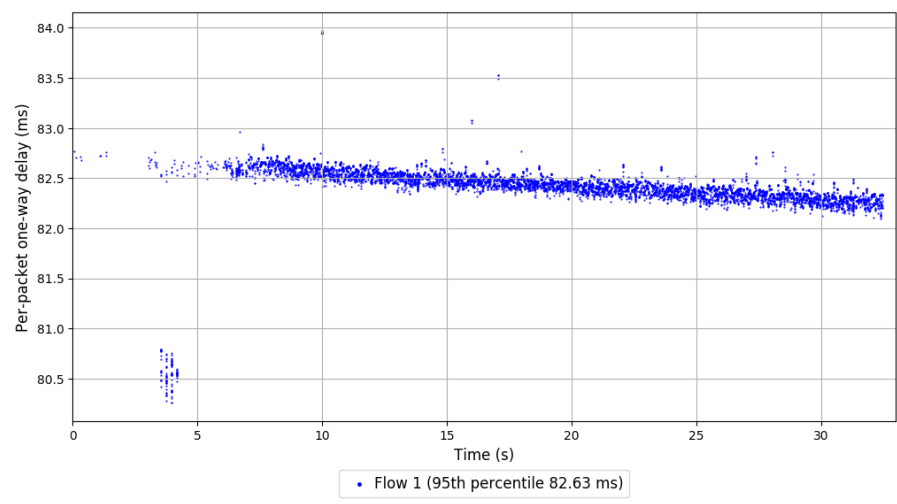
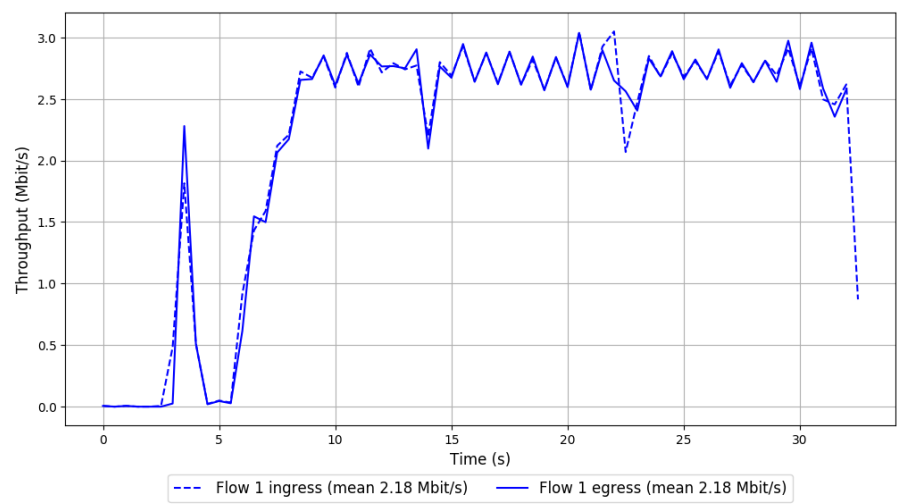
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 82.633 ms

Loss rate: 0.93%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-27 07:16:05

End at: 2018-02-27 07:16:35

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 100.463 ms

Loss rate: 0.94%

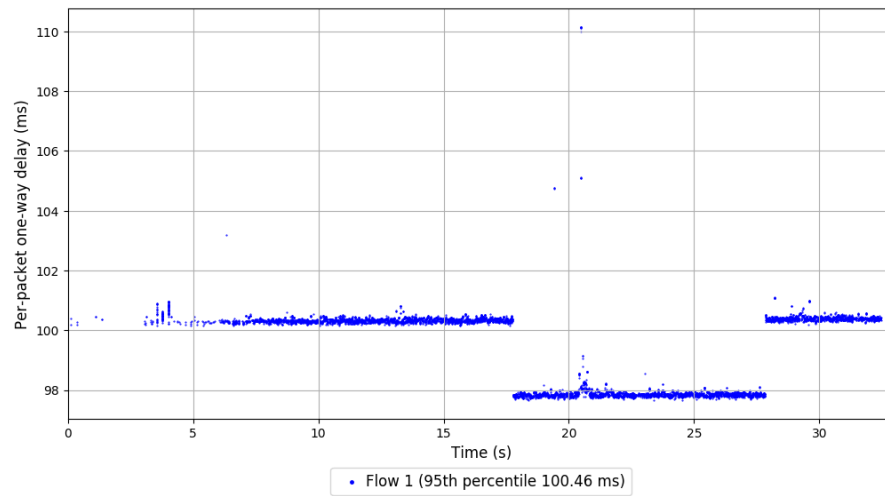
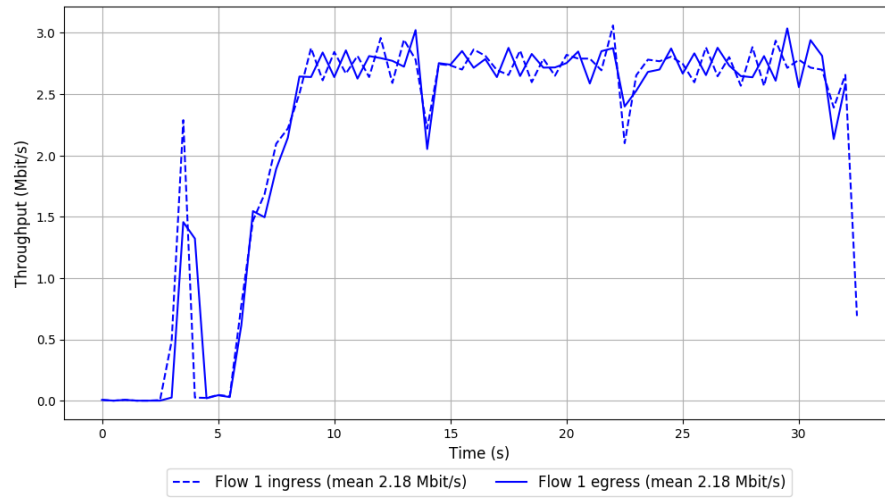
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 100.463 ms

Loss rate: 0.94%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-27 07:31:40

End at: 2018-02-27 07:32:10

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 96.692 ms

Loss rate: 2.45%

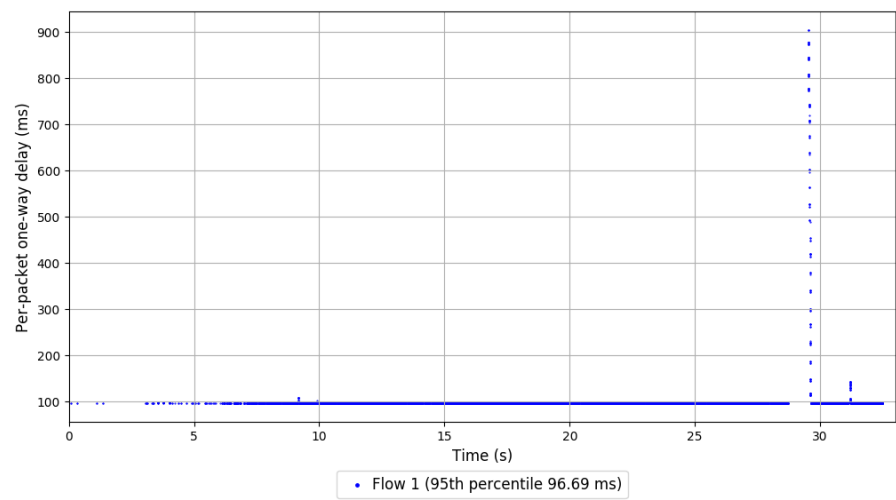
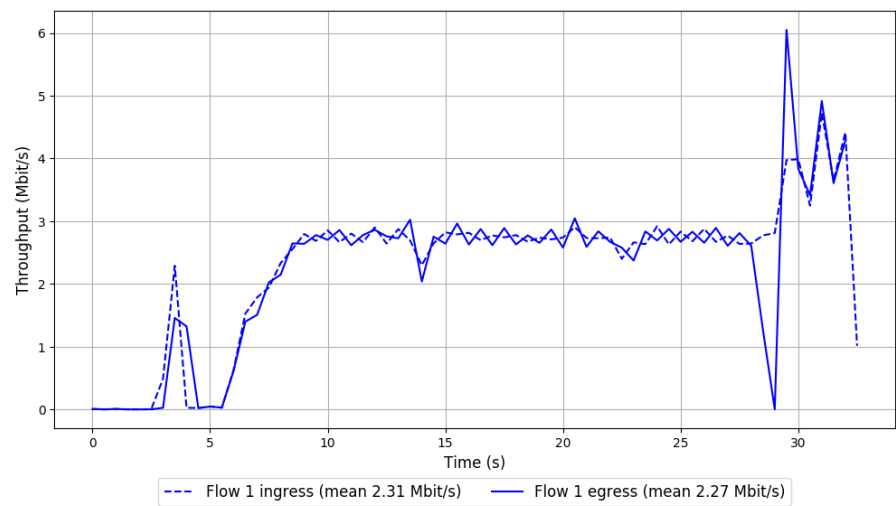
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 96.692 ms

Loss rate: 2.45%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-27 07:47:22

End at: 2018-02-27 07:47:52

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 105.862 ms

Loss rate: 0.93%

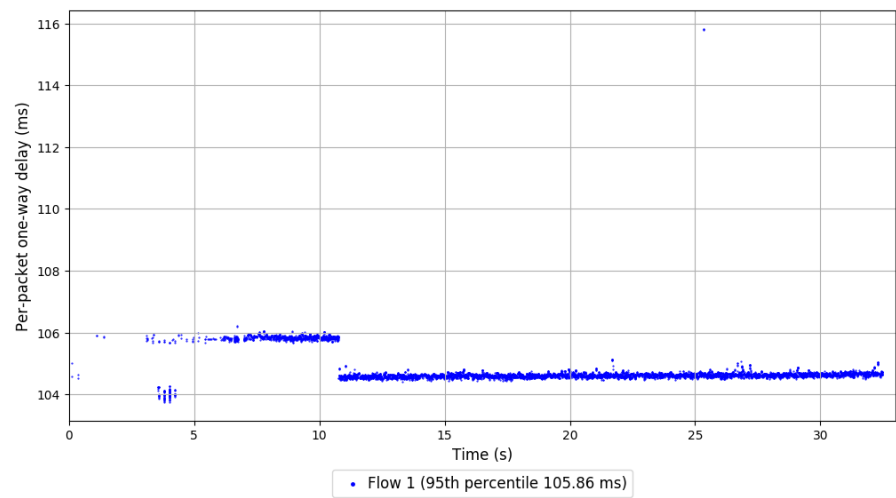
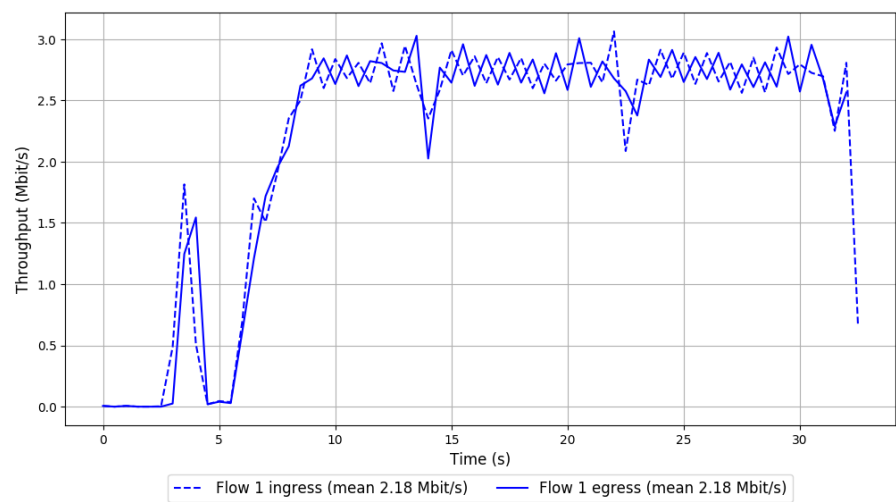
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 105.862 ms

Loss rate: 0.93%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-27 08:02:46

End at: 2018-02-27 08:03:16

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 107.966 ms

Loss rate: 1.14%

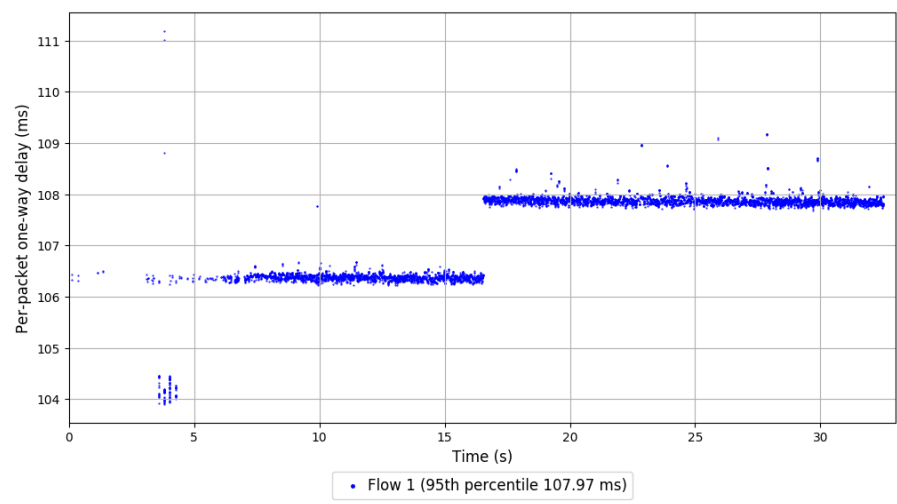
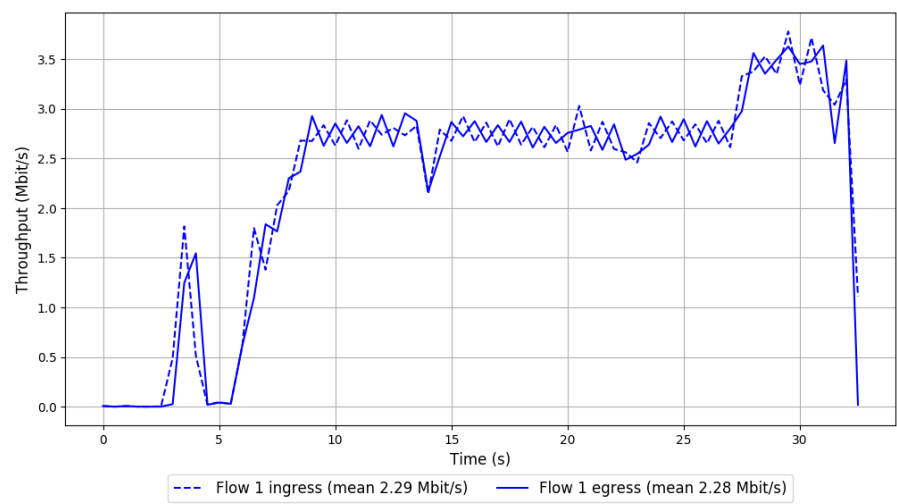
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 107.966 ms

Loss rate: 1.14%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-27 08:18:48

End at: 2018-02-27 08:19:18

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 109.622 ms

Loss rate: 0.92%

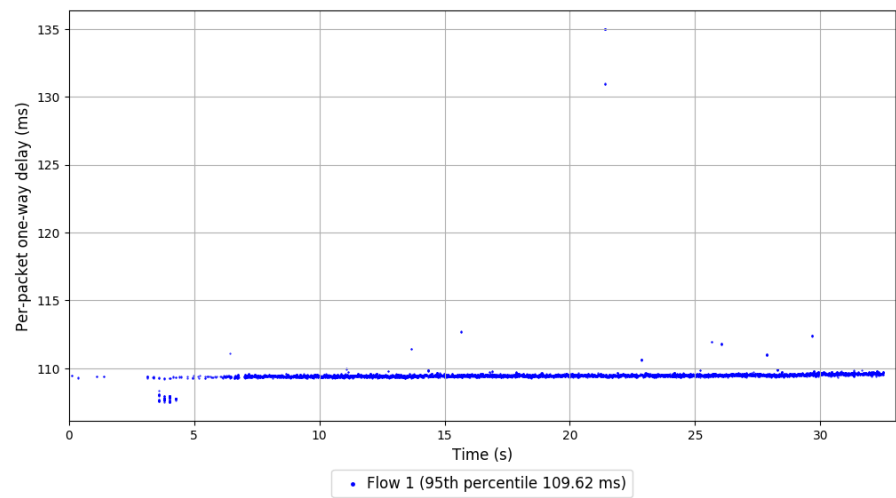
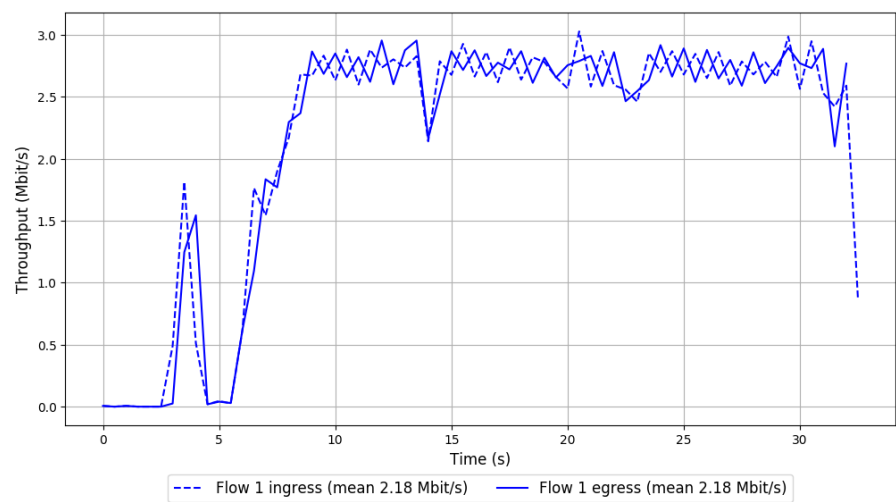
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 109.622 ms

Loss rate: 0.92%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-27 08:34:48

End at: 2018-02-27 08:35:18

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 109.444 ms

Loss rate: 0.93%

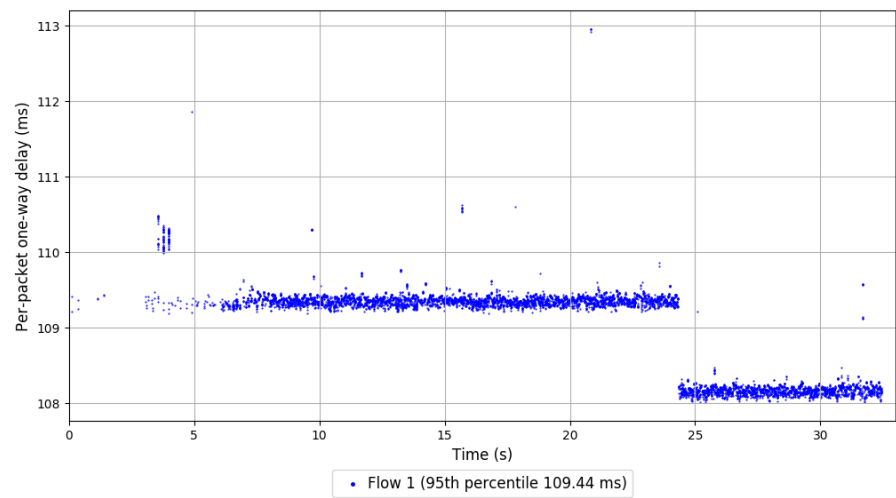
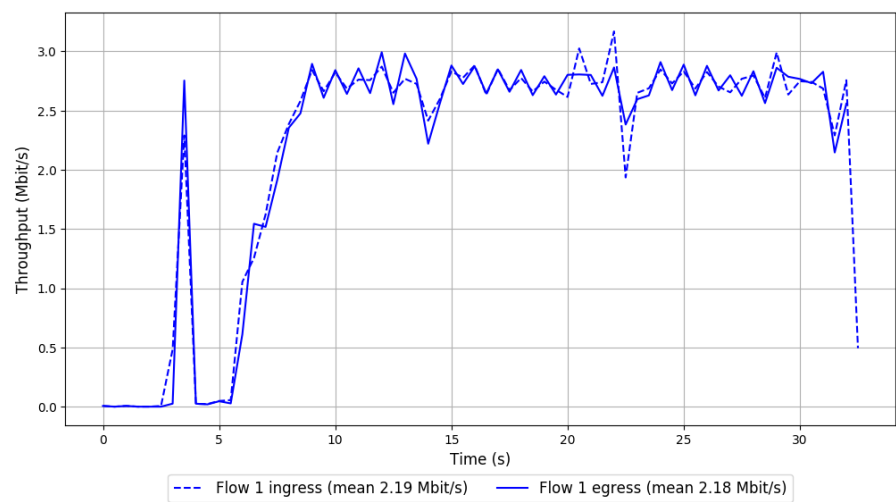
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 109.444 ms

Loss rate: 0.93%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-27 06:12:25

End at: 2018-02-27 06:12:55

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.63 Mbit/s

95th percentile per-packet one-way delay: 102.463 ms

Loss rate: 0.68%

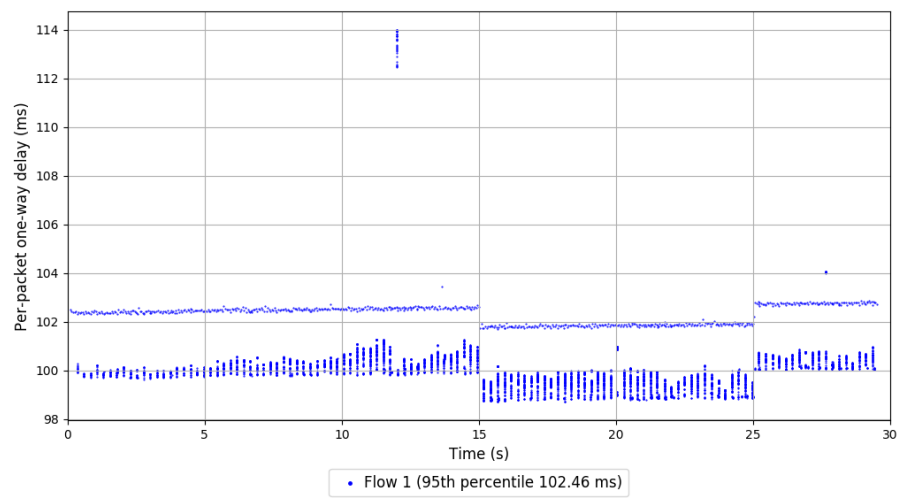
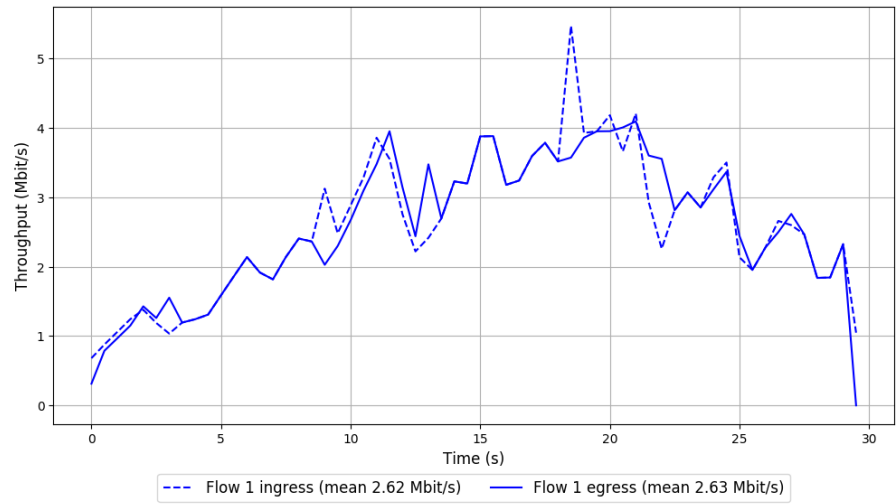
-- Flow 1:

Average throughput: 2.63 Mbit/s

95th percentile per-packet one-way delay: 102.463 ms

Loss rate: 0.68%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-27 06:28:05

End at: 2018-02-27 06:28:35

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 92.625 ms

Loss rate: 1.68%

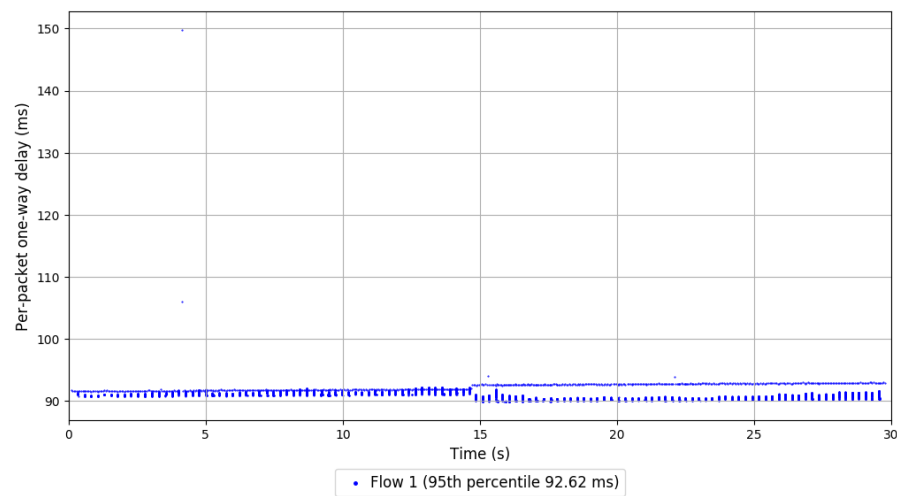
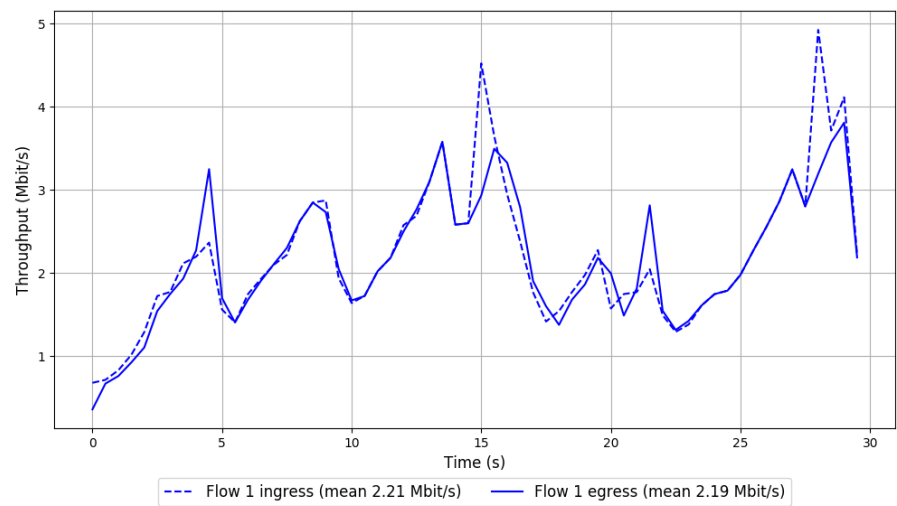
-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 92.625 ms

Loss rate: 1.68%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-27 06:43:59

End at: 2018-02-27 06:44:29

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 95.237 ms

Loss rate: 1.10%

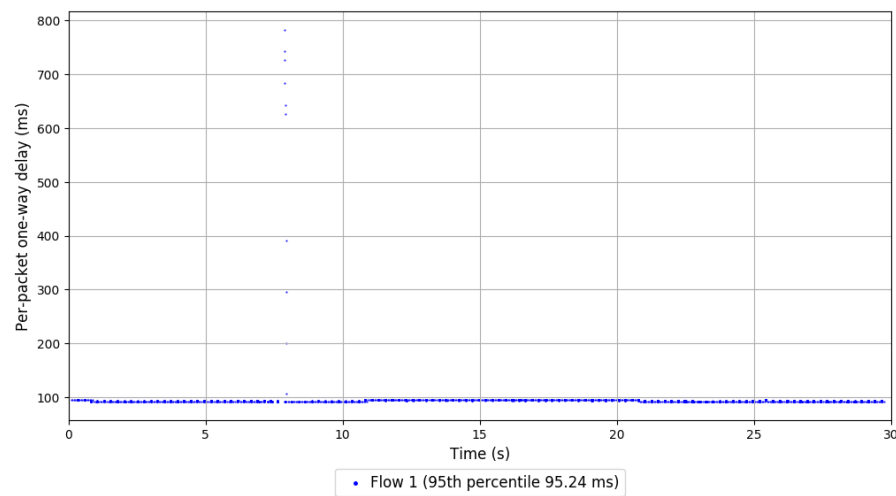
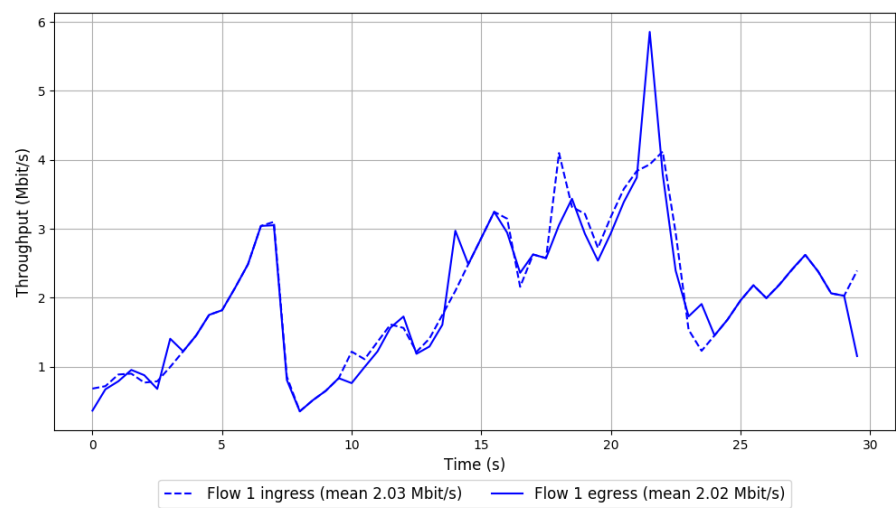
-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 95.237 ms

Loss rate: 1.10%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-27 06:59:49

End at: 2018-02-27 07:00:19

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 83.348 ms

Loss rate: 0.01%

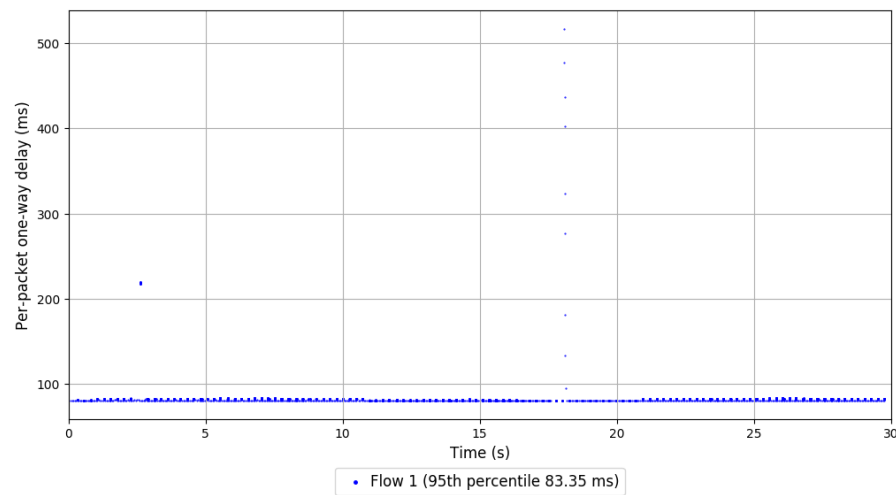
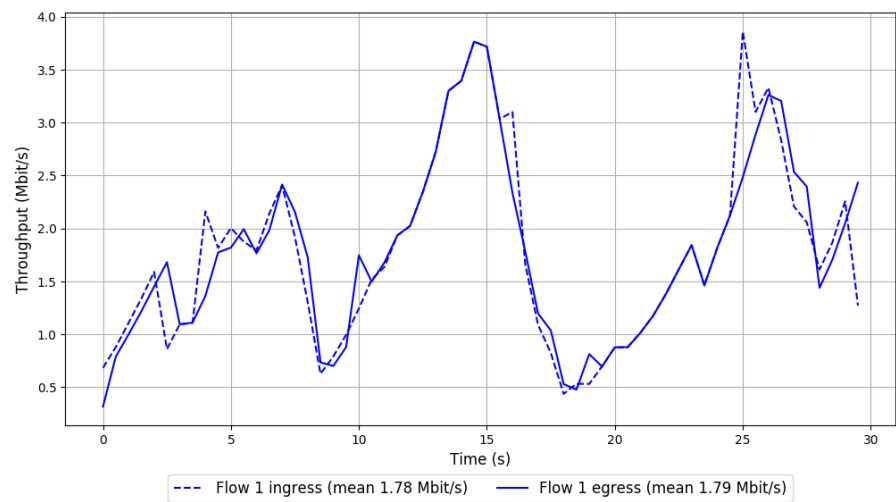
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 83.348 ms

Loss rate: 0.01%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-27 07:15:24

End at: 2018-02-27 07:15:54

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 101.630 ms

Loss rate: 0.77%

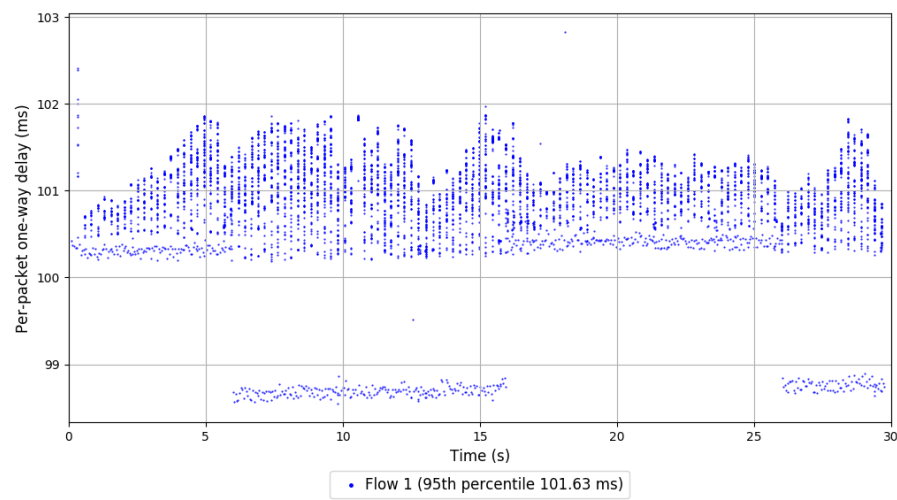
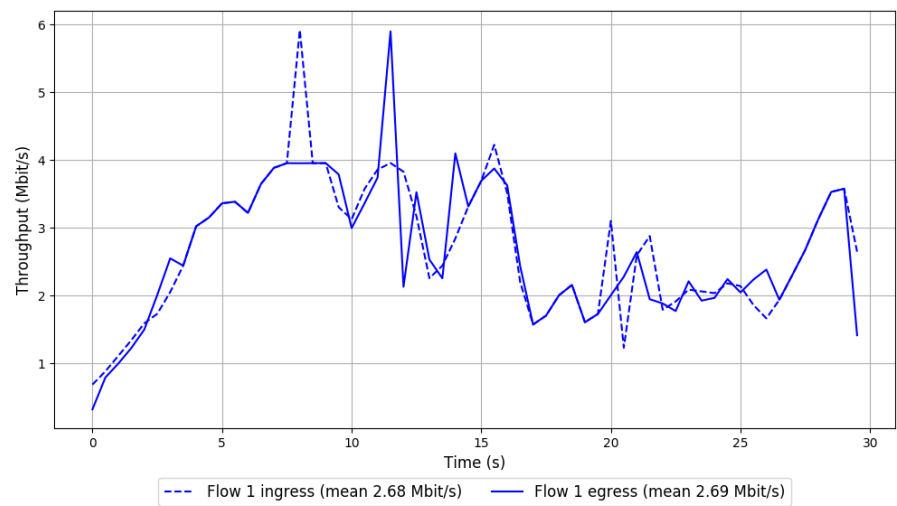
-- Flow 1:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 101.630 ms

Loss rate: 0.77%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-27 07:30:59

End at: 2018-02-27 07:31:29

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 99.576 ms

Loss rate: 1.56%

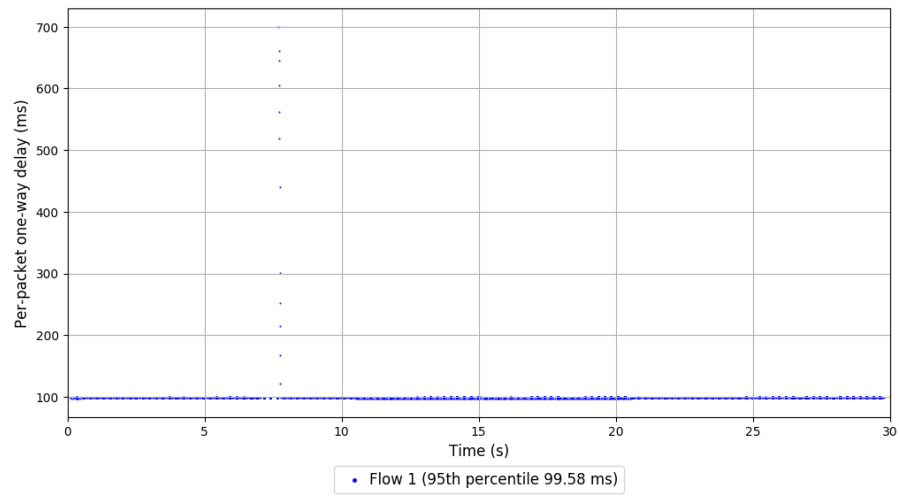
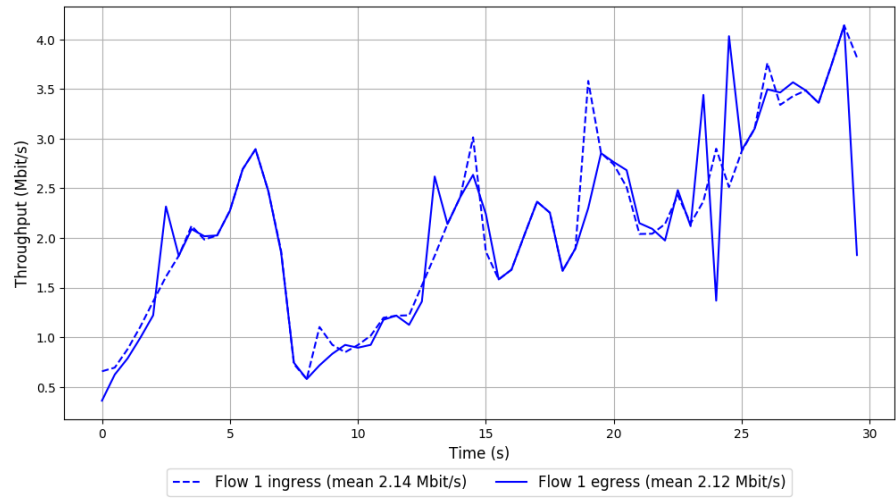
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 99.576 ms

Loss rate: 1.56%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-27 07:46:41

End at: 2018-02-27 07:47:11

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 106.623 ms

Loss rate: 0.67%

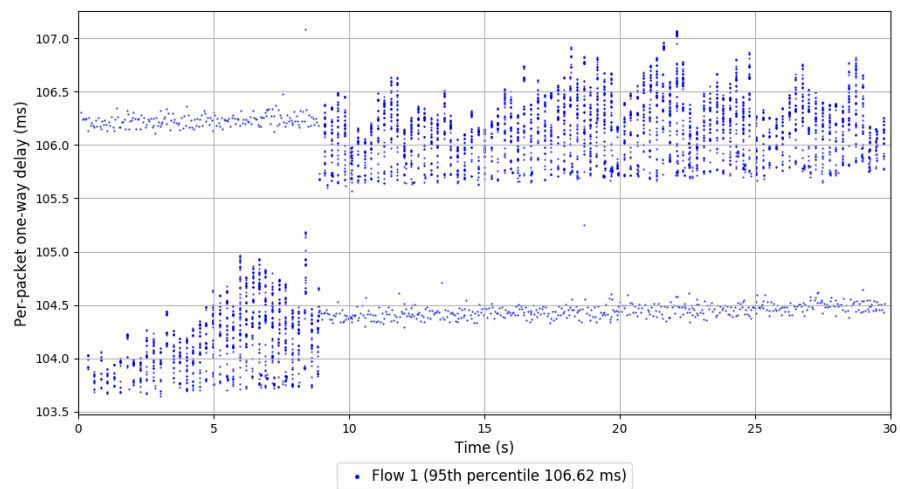
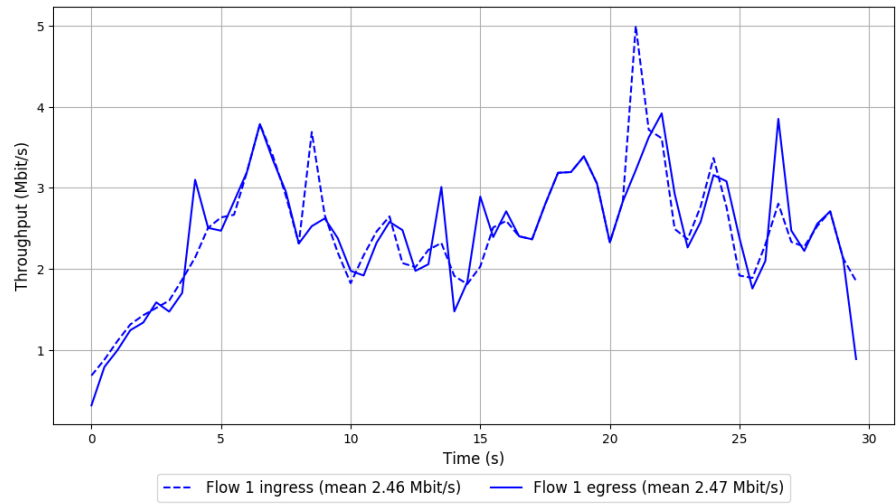
-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 106.623 ms

Loss rate: 0.67%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

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

End at: 2018-02-27 08:02:36

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 106.236 ms

Loss rate: 3.24%

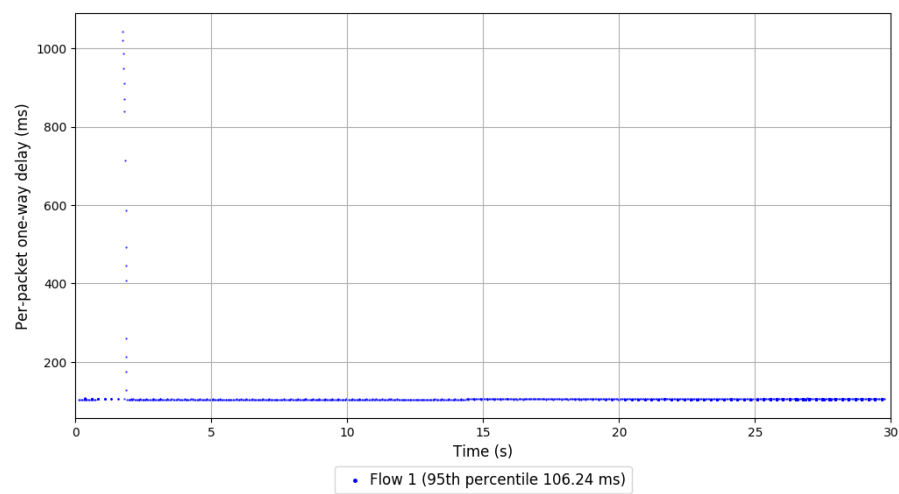
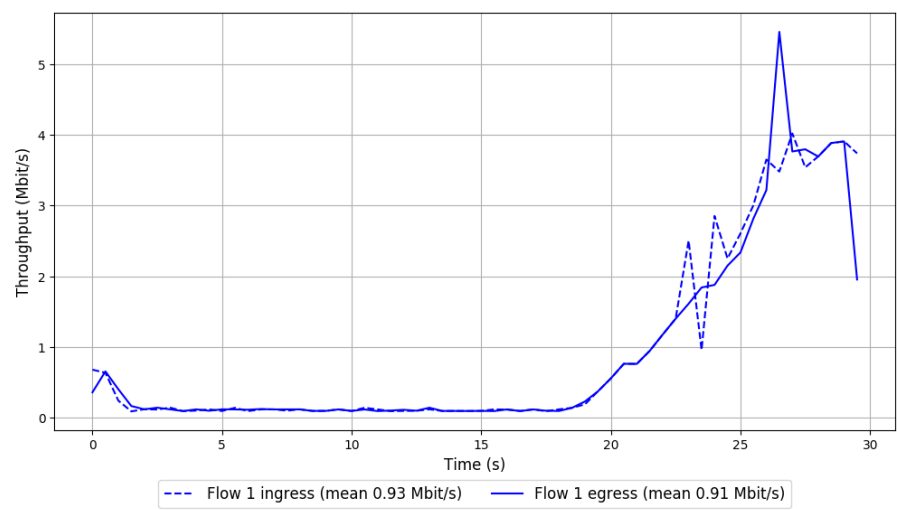
-- Flow 1:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 106.236 ms

Loss rate: 3.24%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-27 08:18:07

End at: 2018-02-27 08:18:37

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 109.418 ms

Loss rate: 1.12%

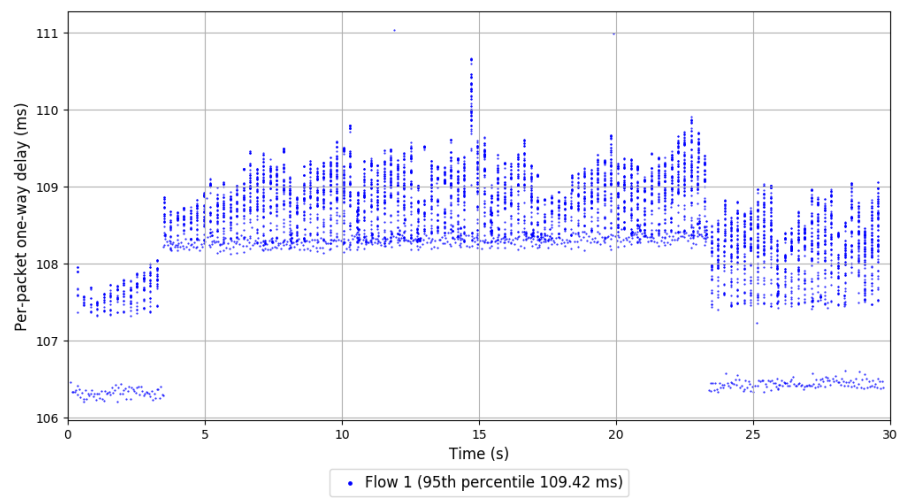
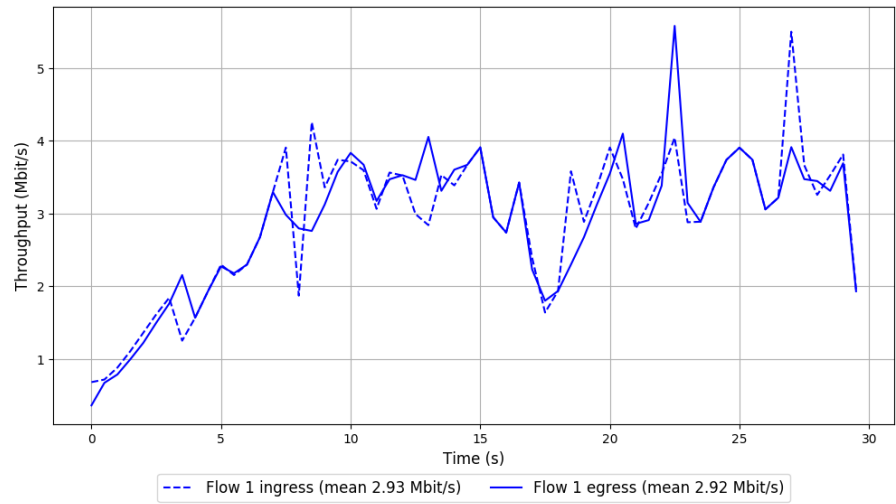
-- Flow 1:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 109.418 ms

Loss rate: 1.12%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-27 08:34:07

End at: 2018-02-27 08:34:37

Below is generated by plot.py at 2018-02-27 11:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 112.125 ms

Loss rate: 1.03%

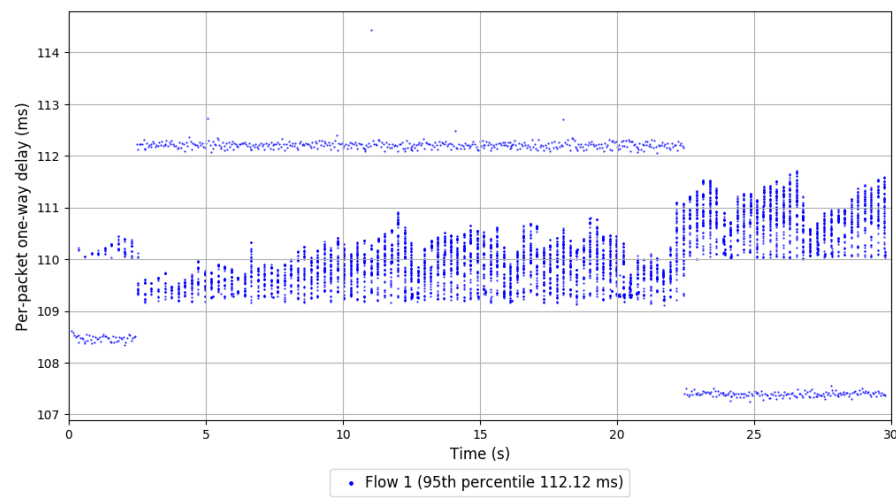
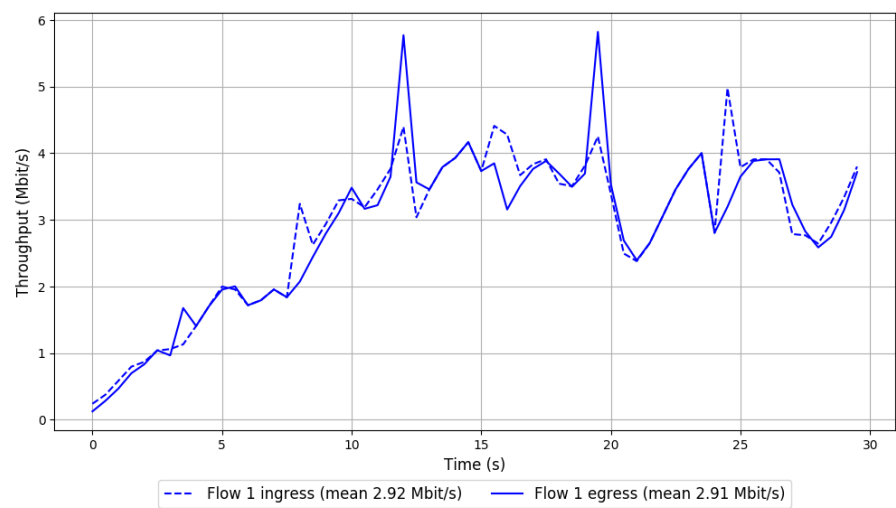
-- Flow 1:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 112.125 ms

Loss rate: 1.03%

Run 10: Report of Sprout — Data Link

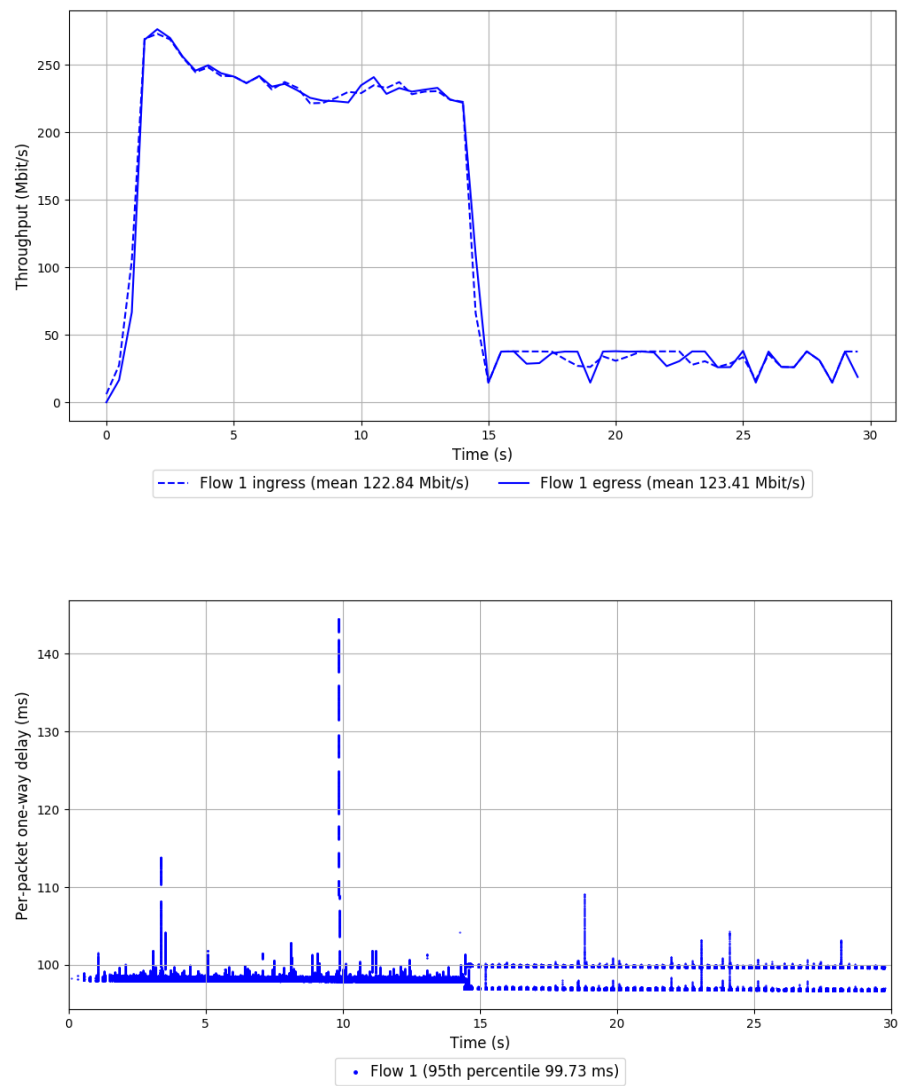


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-27 06:19:45
End at: 2018-02-27 06:20:15

# Below is generated by plot.py at 2018-02-27 11:48:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.41 Mbit/s
95th percentile per-packet one-way delay: 99.730 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 123.41 Mbit/s
95th percentile per-packet one-way delay: 99.730 ms
Loss rate: 0.26%
```


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

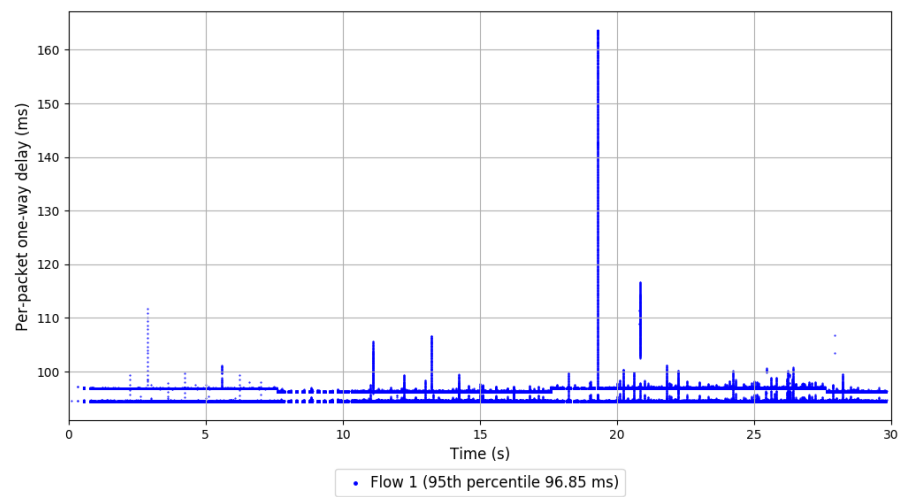
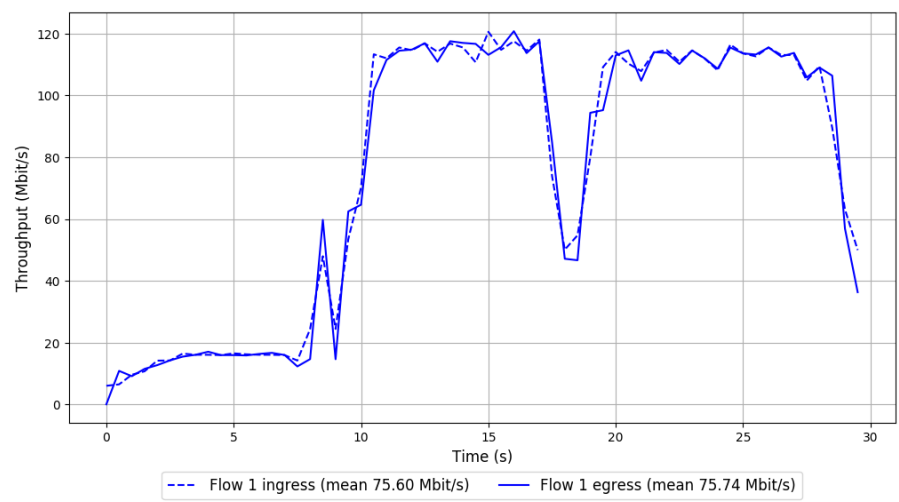


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-27 06:35:32
End at: 2018-02-27 06:36:02

# Below is generated by plot.py at 2018-02-27 11:48:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: 96.848 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: 96.848 ms
Loss rate: 0.55%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-27 06:51:24

End at: 2018-02-27 06:51:54

Below is generated by plot.py at 2018-02-27 11:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.82 Mbit/s

95th percentile per-packet one-way delay: 88.083 ms

Loss rate: 0.75%

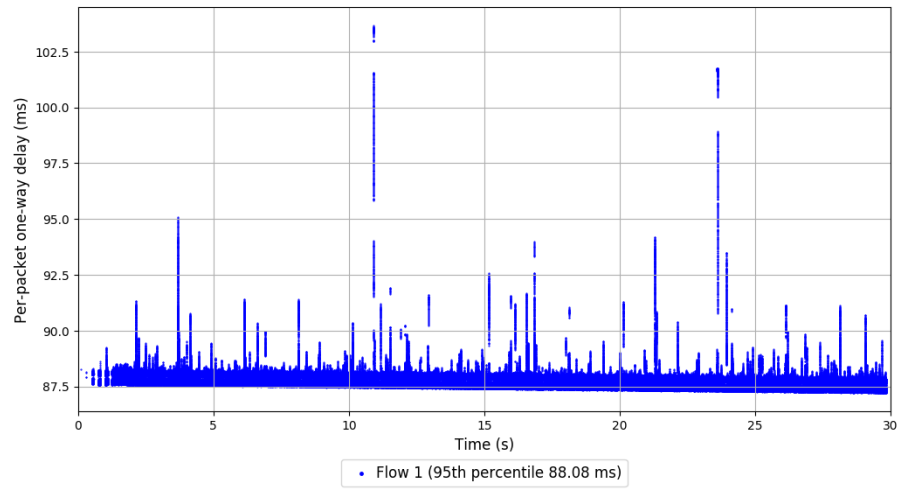
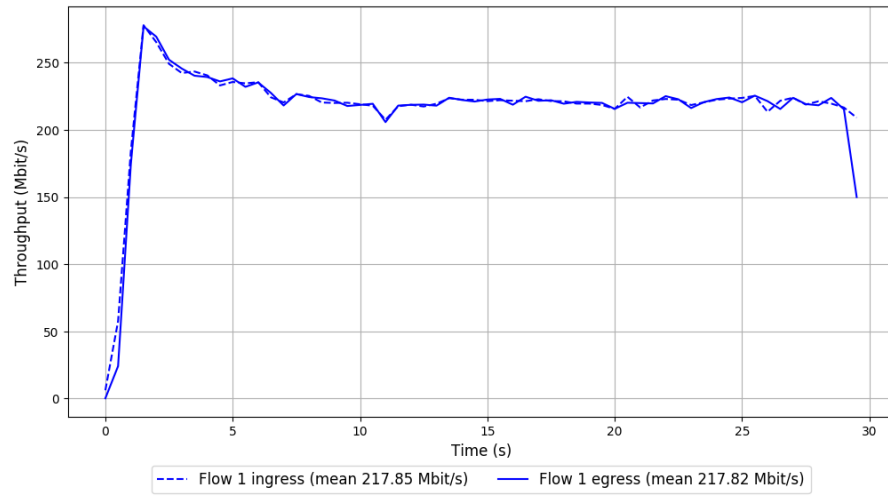
-- Flow 1:

Average throughput: 217.82 Mbit/s

95th percentile per-packet one-way delay: 88.083 ms

Loss rate: 0.75%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-27 07:07:15

End at: 2018-02-27 07:07:45

Below is generated by plot.py at 2018-02-27 11:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.36 Mbit/s

95th percentile per-packet one-way delay: 94.511 ms

Loss rate: 0.84%

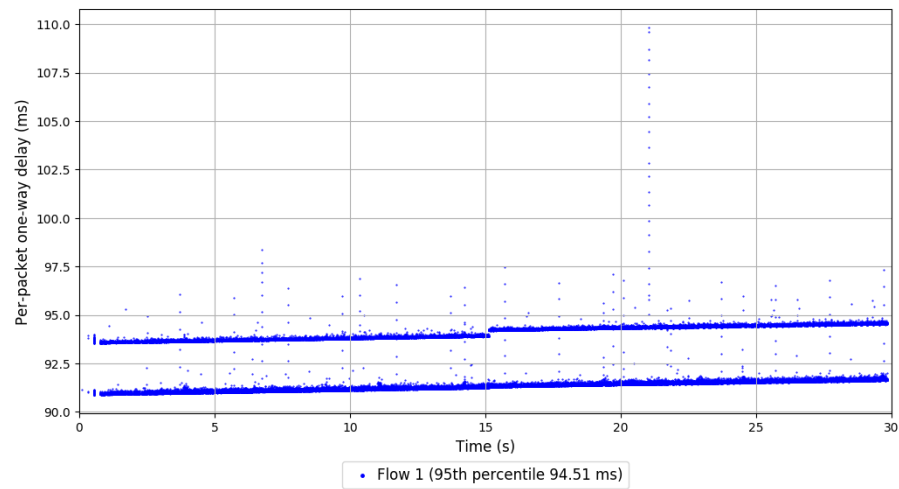
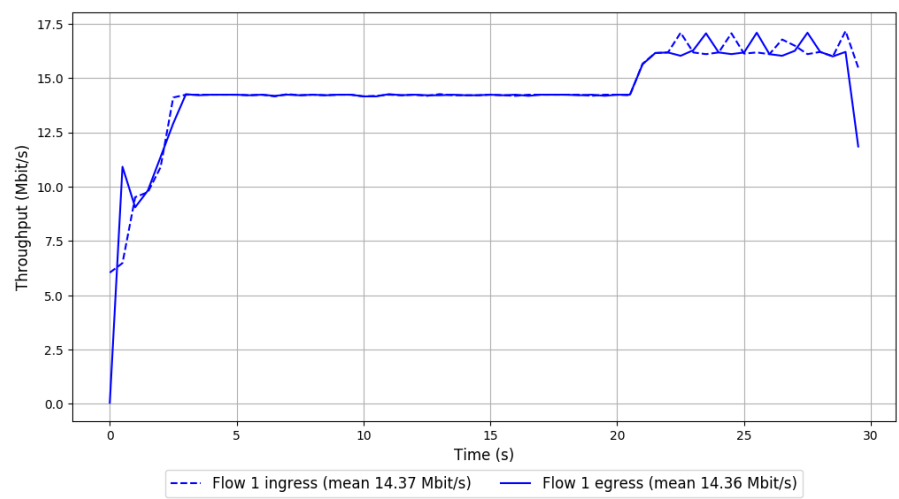
-- Flow 1:

Average throughput: 14.36 Mbit/s

95th percentile per-packet one-way delay: 94.511 ms

Loss rate: 0.84%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-27 07:22:48

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

Below is generated by plot.py at 2018-02-27 11:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.98 Mbit/s

95th percentile per-packet one-way delay: 100.791 ms

Loss rate: 0.77%

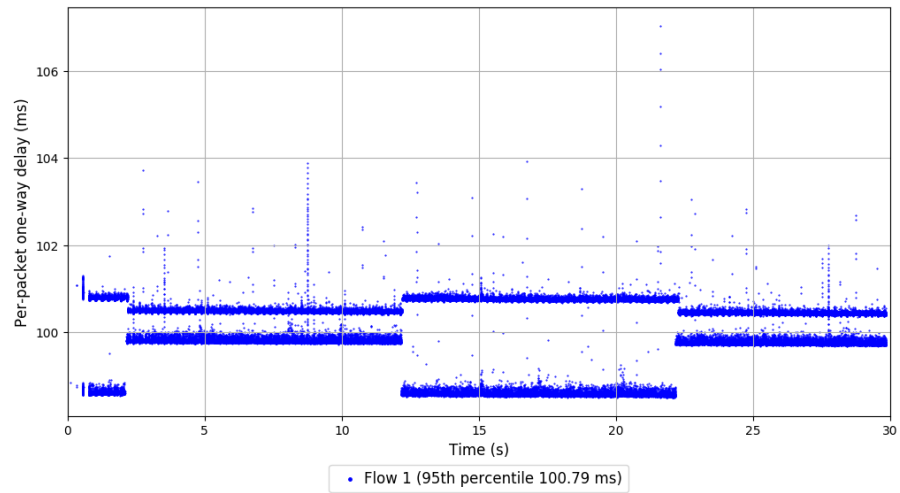
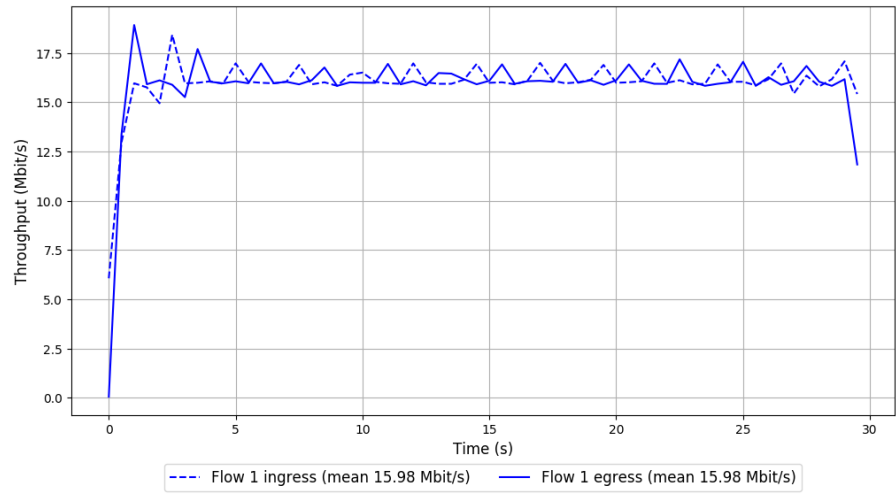
-- Flow 1:

Average throughput: 15.98 Mbit/s

95th percentile per-packet one-way delay: 100.791 ms

Loss rate: 0.77%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-27 07:38:24

End at: 2018-02-27 07:38:54

Below is generated by plot.py at 2018-02-27 11:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.65 Mbit/s

95th percentile per-packet one-way delay: 100.581 ms

Loss rate: 1.94%

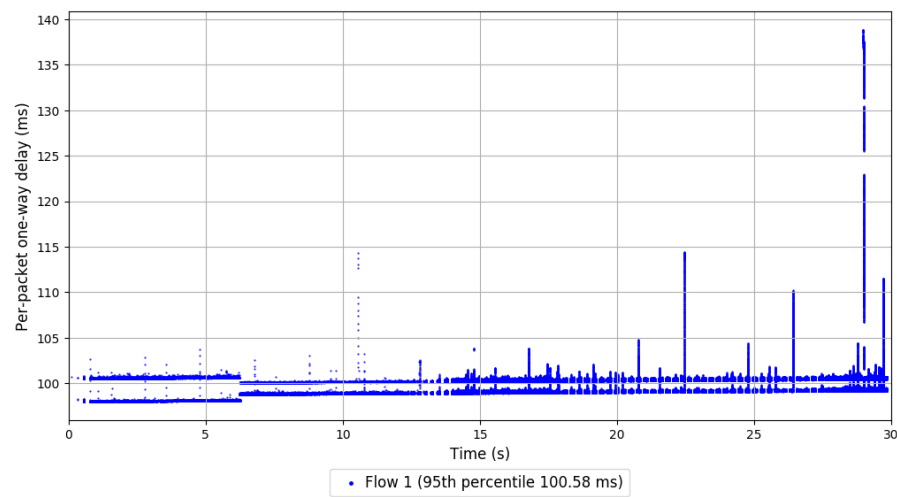
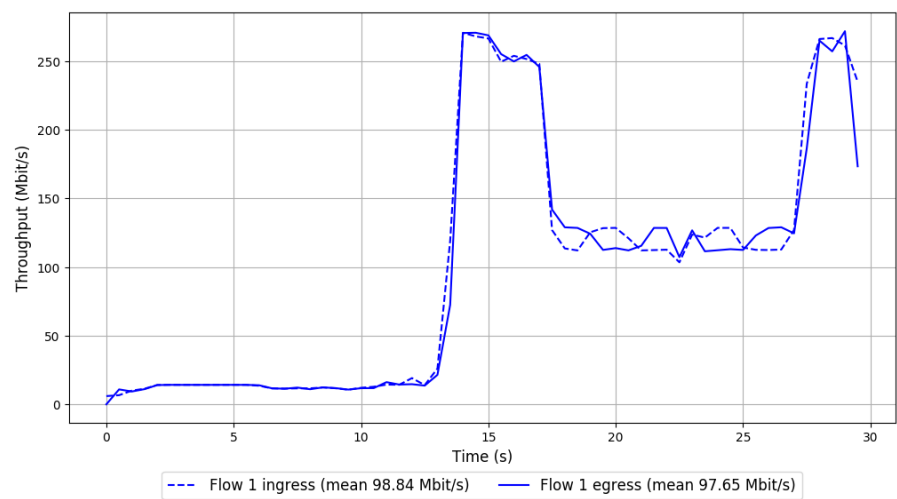
-- Flow 1:

Average throughput: 97.65 Mbit/s

95th percentile per-packet one-way delay: 100.581 ms

Loss rate: 1.94%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-27 07:53:59

End at: 2018-02-27 07:54:29

Below is generated by plot.py at 2018-02-27 11:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.95 Mbit/s

95th percentile per-packet one-way delay: 107.320 ms

Loss rate: 0.84%

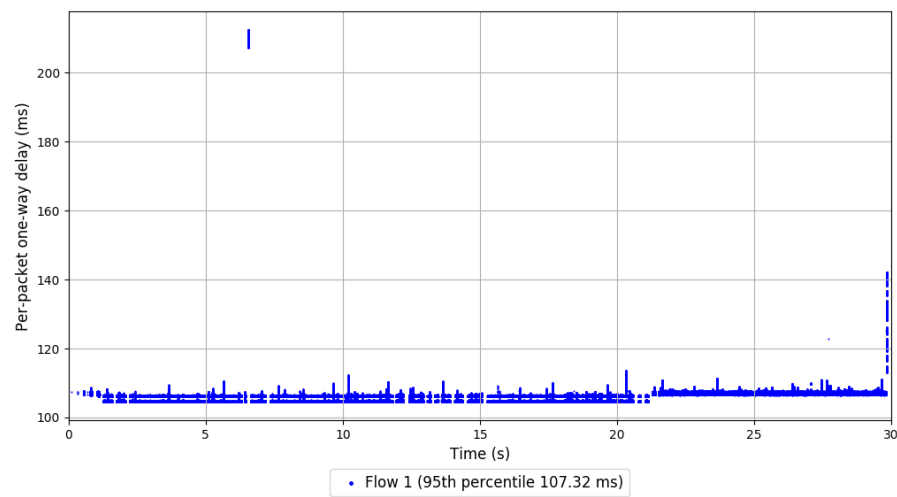
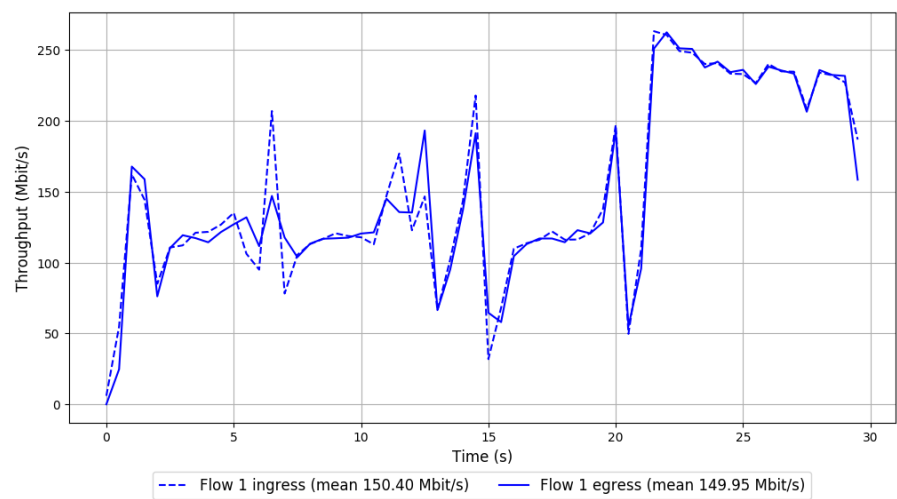
-- Flow 1:

Average throughput: 149.95 Mbit/s

95th percentile per-packet one-way delay: 107.320 ms

Loss rate: 0.84%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-27 08:09:25

End at: 2018-02-27 08:09:55

Below is generated by plot.py at 2018-02-27 11:50:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.59 Mbit/s

95th percentile per-packet one-way delay: 105.400 ms

Loss rate: 0.81%

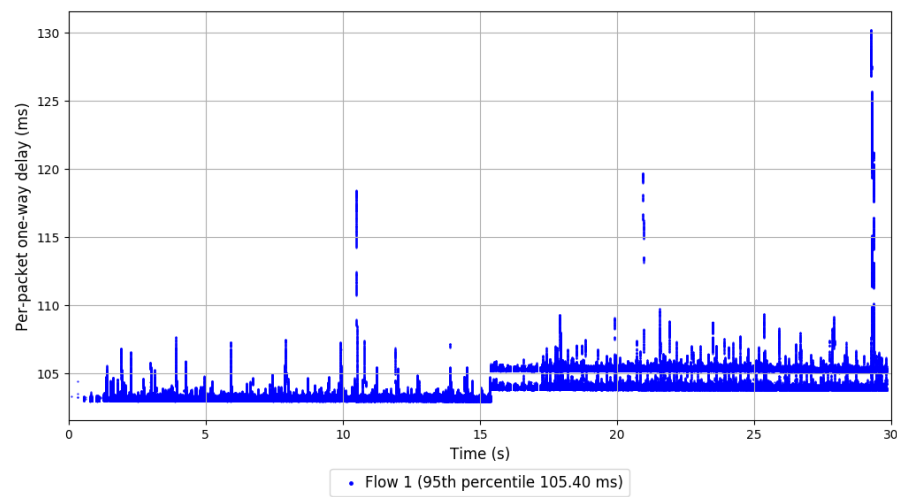
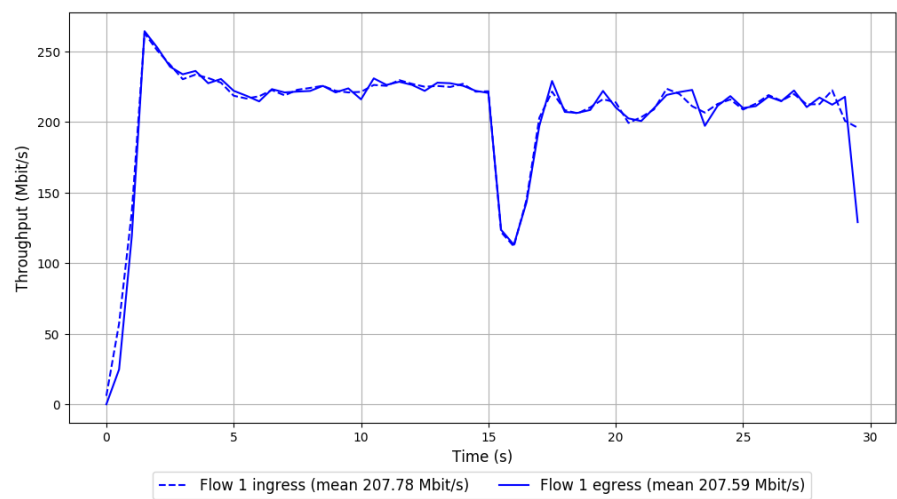
-- Flow 1:

Average throughput: 207.59 Mbit/s

95th percentile per-packet one-way delay: 105.400 ms

Loss rate: 0.81%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-27 08:25:35

End at: 2018-02-27 08:26:05

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.89 Mbit/s

95th percentile per-packet one-way delay: 110.652 ms

Loss rate: 0.58%

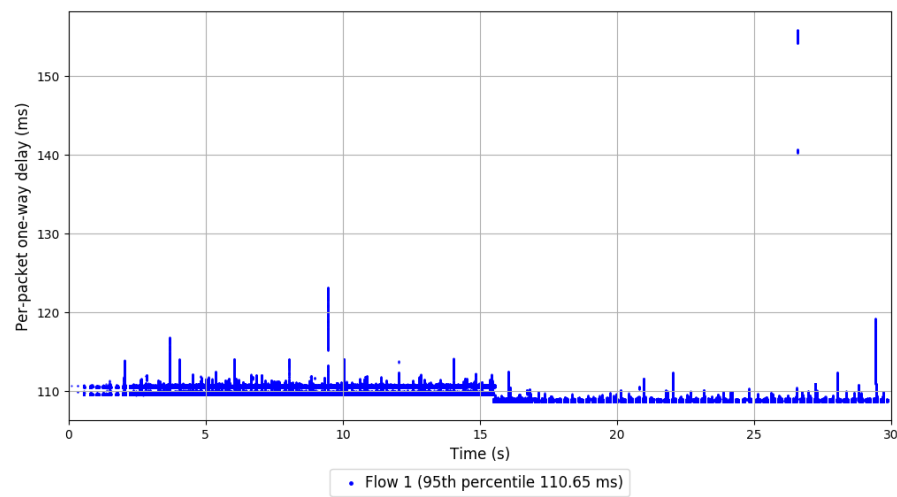
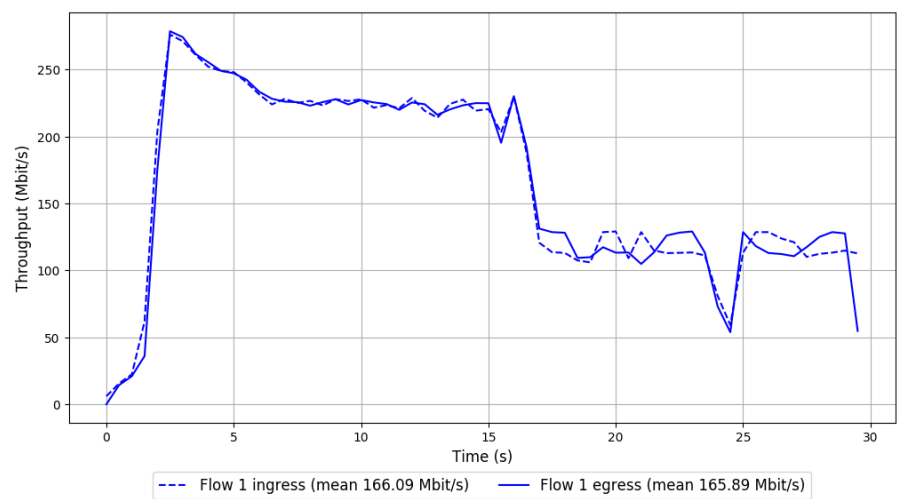
-- Flow 1:

Average throughput: 165.89 Mbit/s

95th percentile per-packet one-way delay: 110.652 ms

Loss rate: 0.58%

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

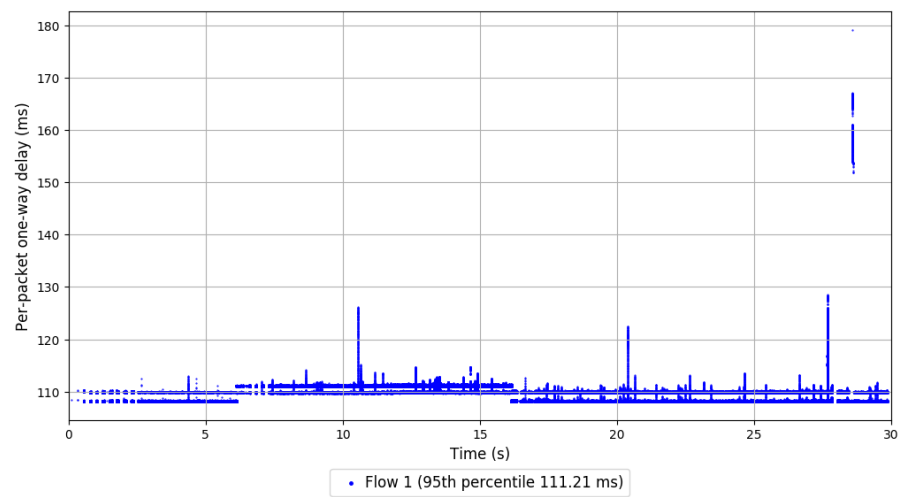
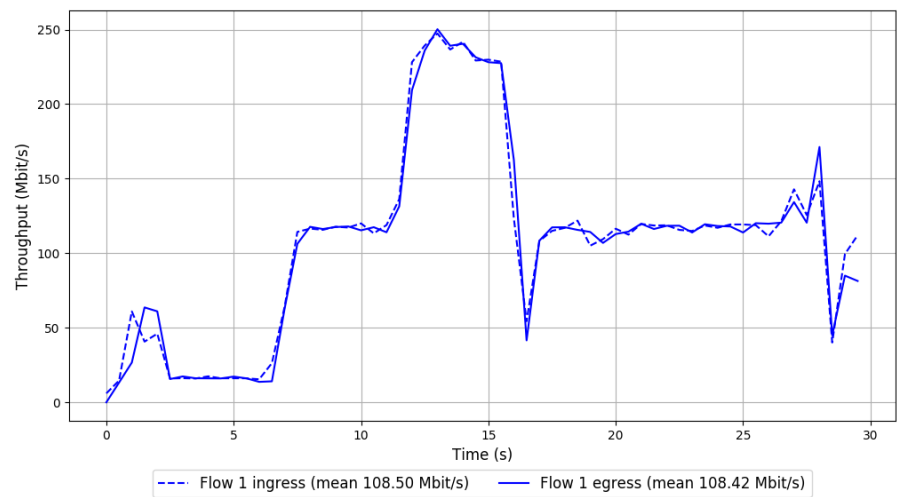


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-27 08:41:24
End at: 2018-02-27 08:41:54

# Below is generated by plot.py at 2018-02-27 11:50:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.42 Mbit/s
95th percentile per-packet one-way delay: 111.211 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 108.42 Mbit/s
95th percentile per-packet one-way delay: 111.211 ms
Loss rate: 0.80%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-27 06:22:13

End at: 2018-02-27 06:22:43

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.82 Mbit/s

95th percentile per-packet one-way delay: 97.137 ms

Loss rate: 0.74%

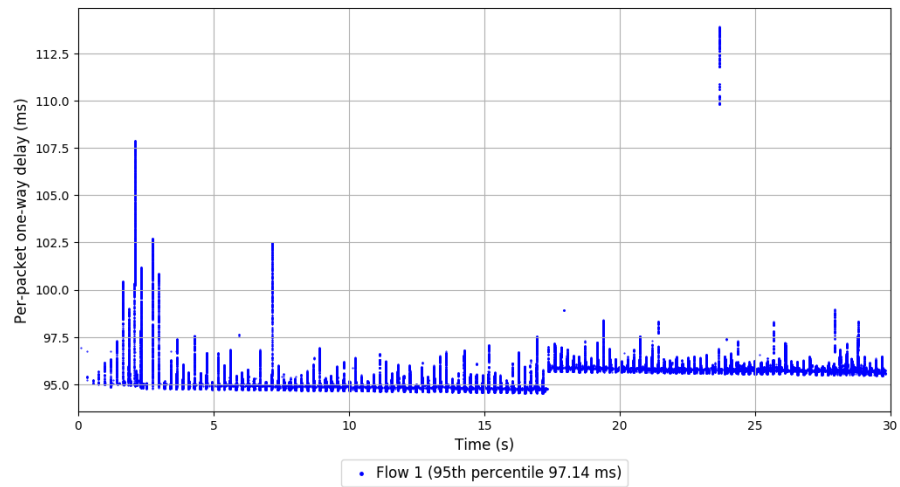
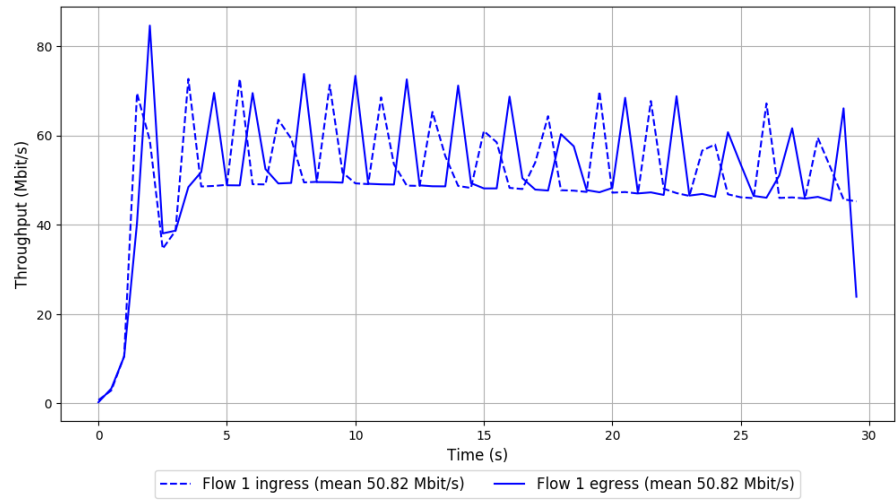
-- Flow 1:

Average throughput: 50.82 Mbit/s

95th percentile per-packet one-way delay: 97.137 ms

Loss rate: 0.74%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-27 06:38:02

End at: 2018-02-27 06:38:32

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.97 Mbit/s

95th percentile per-packet one-way delay: 104.040 ms

Loss rate: 0.77%

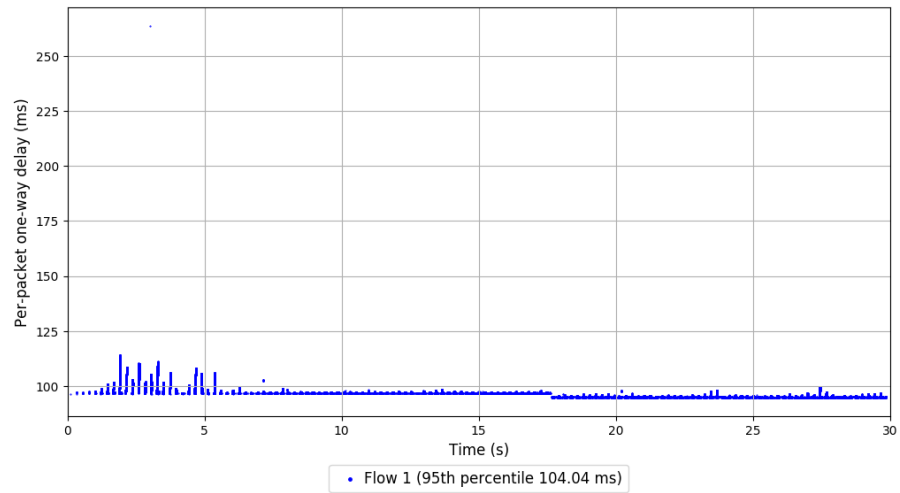
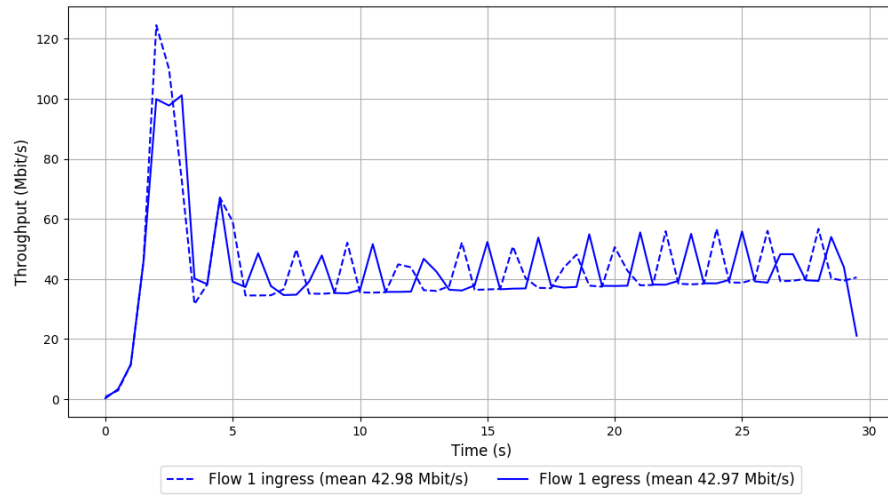
-- Flow 1:

Average throughput: 42.97 Mbit/s

95th percentile per-packet one-way delay: 104.040 ms

Loss rate: 0.77%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-27 06:54:01

End at: 2018-02-27 06:54:31

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.50 Mbit/s

95th percentile per-packet one-way delay: 90.099 ms

Loss rate: 0.69%

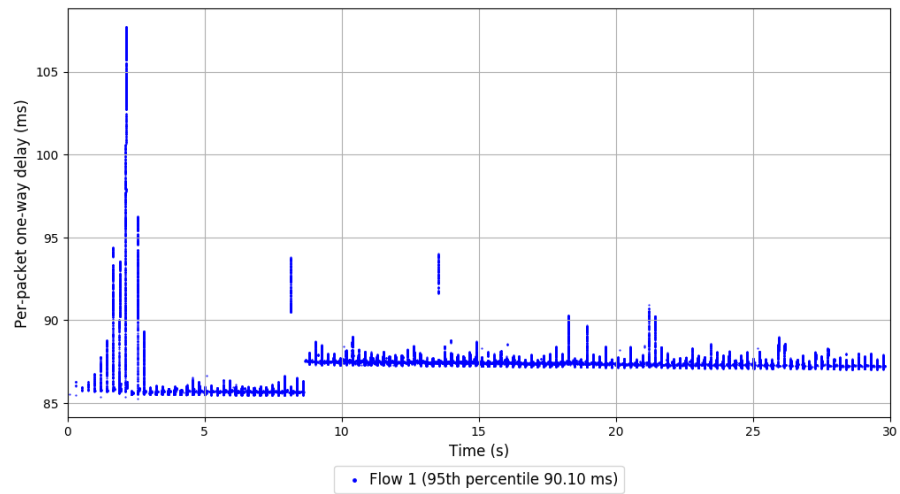
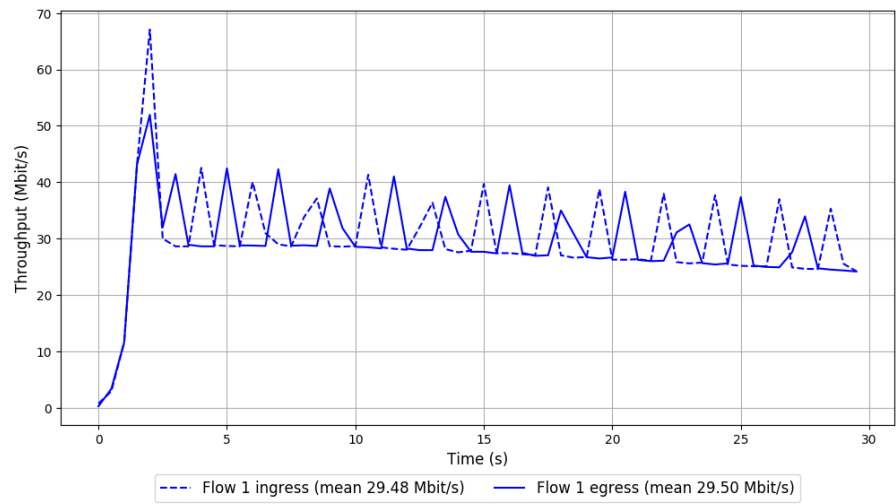
-- Flow 1:

Average throughput: 29.50 Mbit/s

95th percentile per-packet one-way delay: 90.099 ms

Loss rate: 0.69%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-27 07:09:29

End at: 2018-02-27 07:09:59

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.04 Mbit/s

95th percentile per-packet one-way delay: 106.024 ms

Loss rate: 0.80%

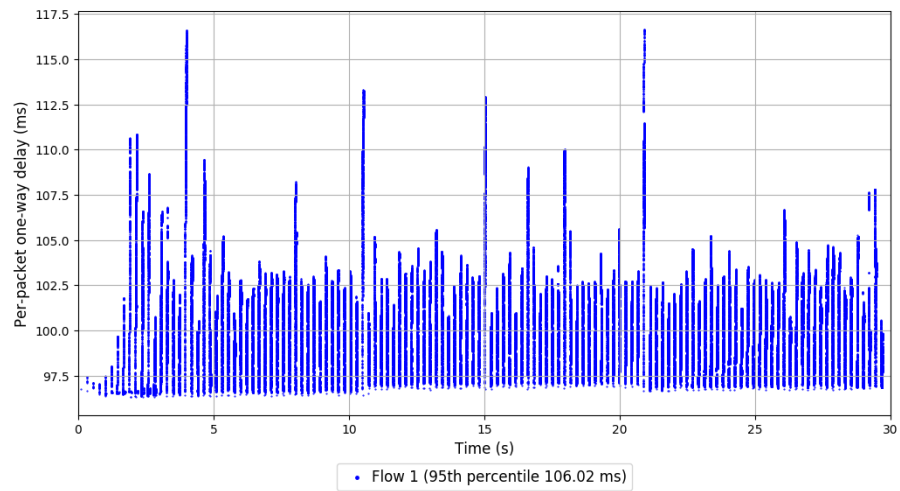
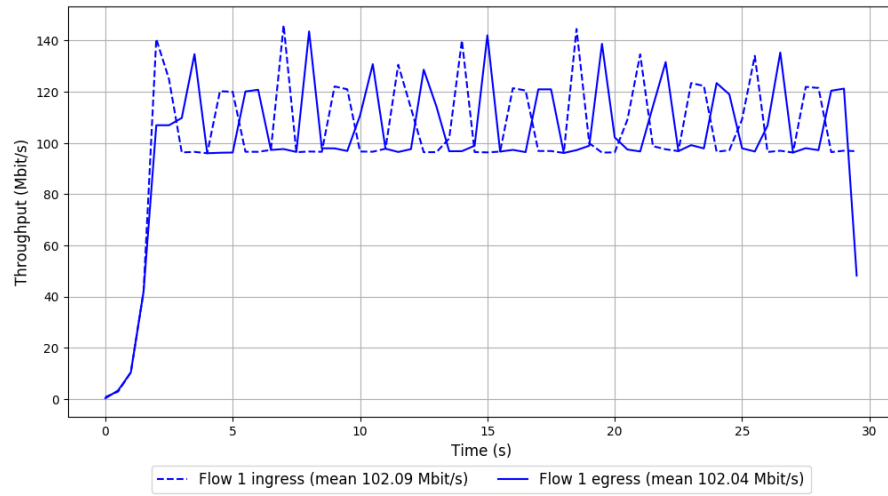
-- Flow 1:

Average throughput: 102.04 Mbit/s

95th percentile per-packet one-way delay: 106.024 ms

Loss rate: 0.80%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-27 07:25:05

End at: 2018-02-27 07:25:35

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.23 Mbit/s

95th percentile per-packet one-way delay: 101.425 ms

Loss rate: 0.79%

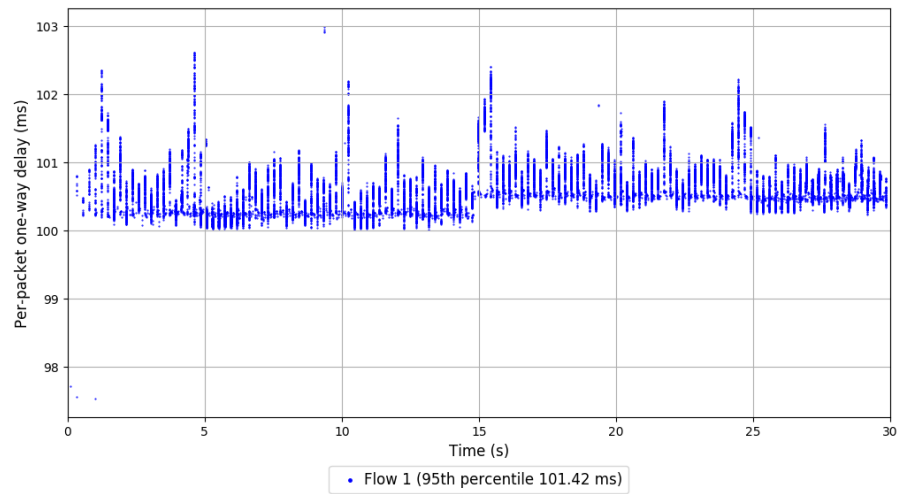
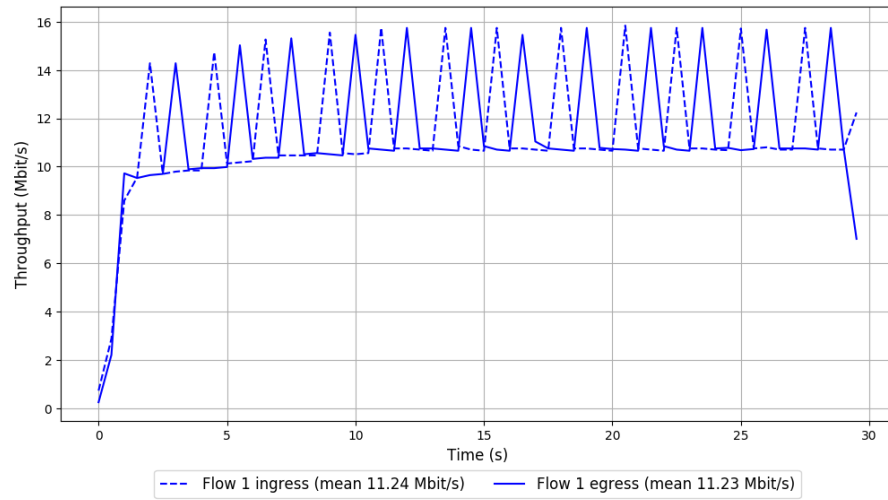
-- Flow 1:

Average throughput: 11.23 Mbit/s

95th percentile per-packet one-way delay: 101.425 ms

Loss rate: 0.79%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-27 07:40:47

End at: 2018-02-27 07:41:17

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.63 Mbit/s

95th percentile per-packet one-way delay: 114.875 ms

Loss rate: 0.38%

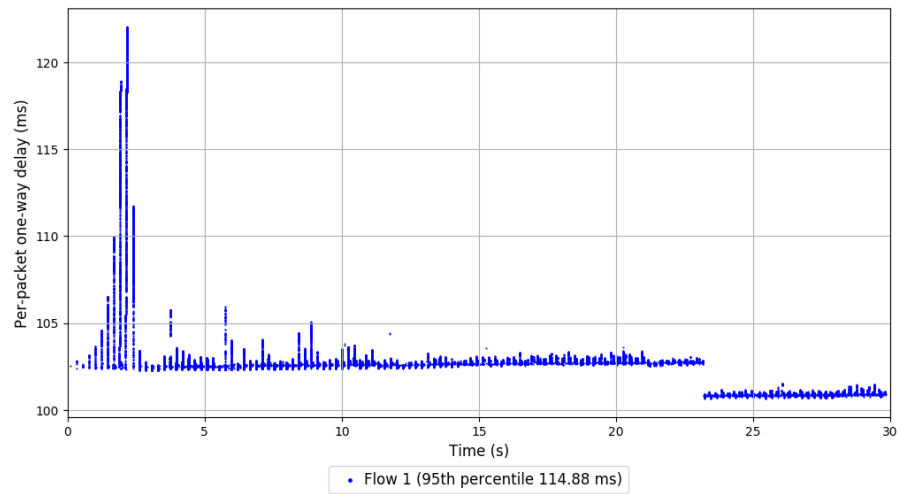
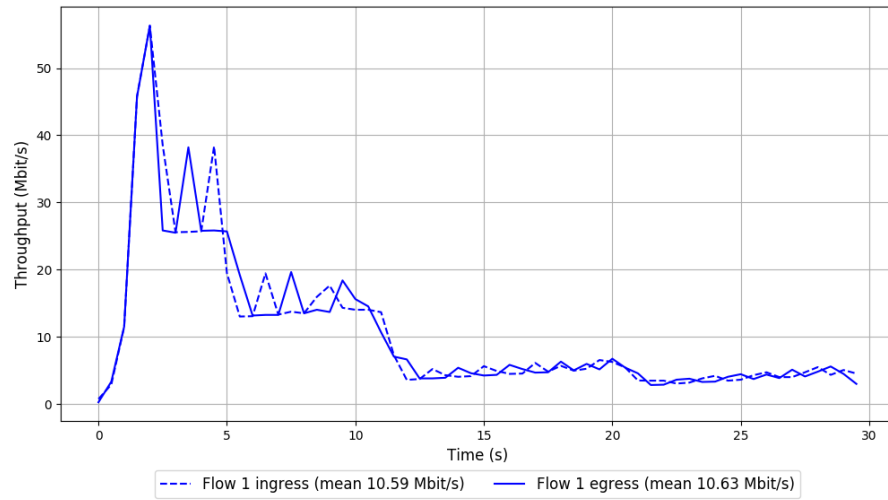
-- Flow 1:

Average throughput: 10.63 Mbit/s

95th percentile per-packet one-way delay: 114.875 ms

Loss rate: 0.38%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-27 07:56:23

End at: 2018-02-27 07:56:54

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.61 Mbit/s

95th percentile per-packet one-way delay: 113.304 ms

Loss rate: 0.34%

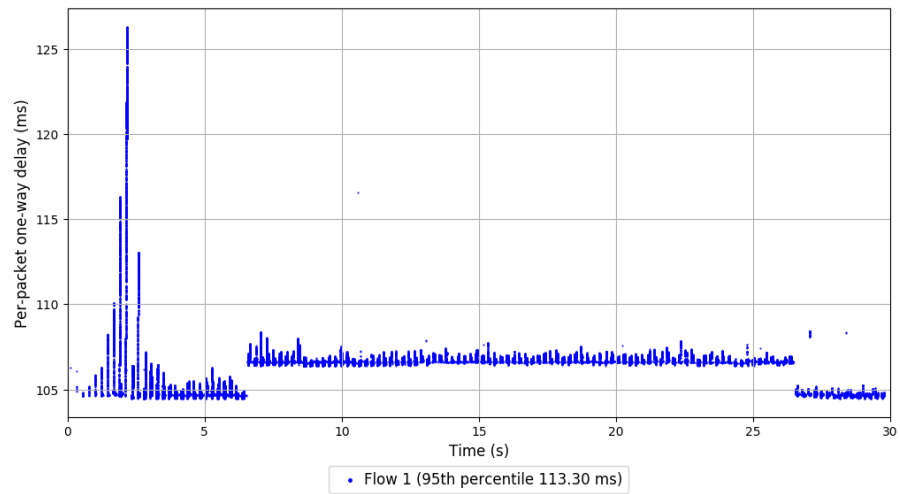
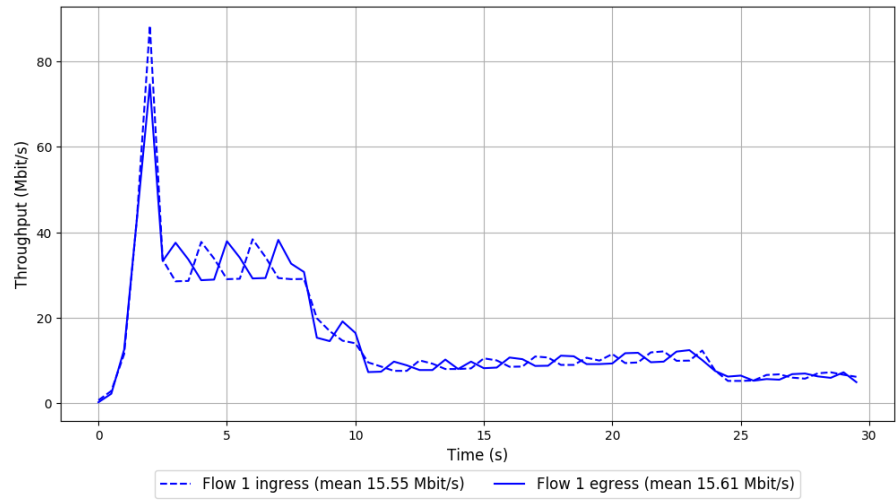
-- Flow 1:

Average throughput: 15.61 Mbit/s

95th percentile per-packet one-way delay: 113.304 ms

Loss rate: 0.34%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-27 08:11:58

End at: 2018-02-27 08:12:28

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.50 Mbit/s

95th percentile per-packet one-way delay: 106.542 ms

Loss rate: 0.79%

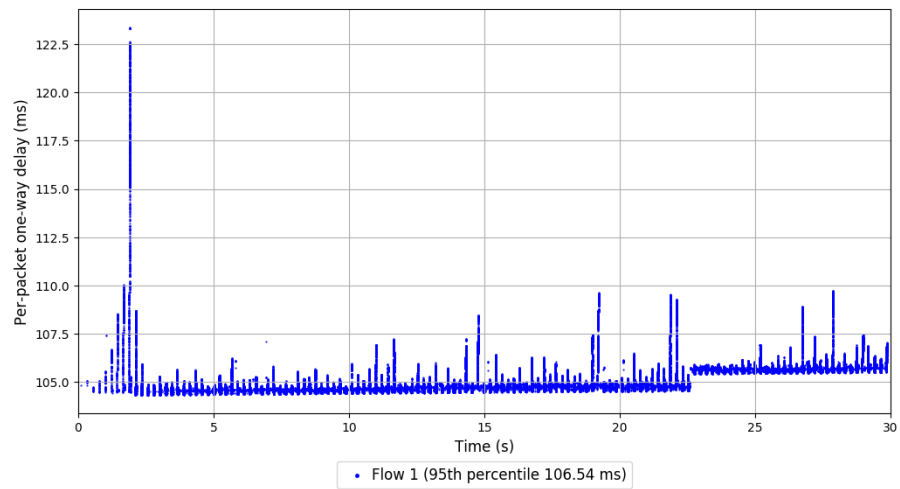
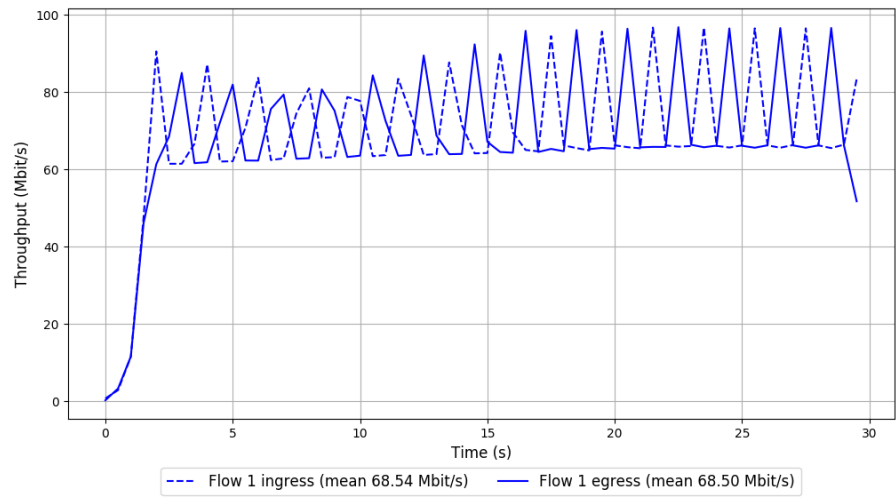
-- Flow 1:

Average throughput: 68.50 Mbit/s

95th percentile per-packet one-way delay: 106.542 ms

Loss rate: 0.79%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-27 08:28:09

End at: 2018-02-27 08:28:39

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.32 Mbit/s

95th percentile per-packet one-way delay: 111.627 ms

Loss rate: 0.78%

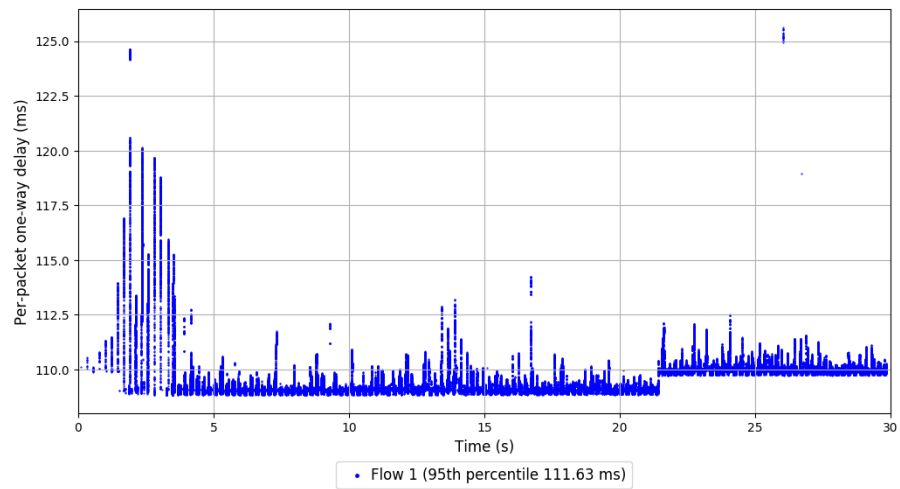
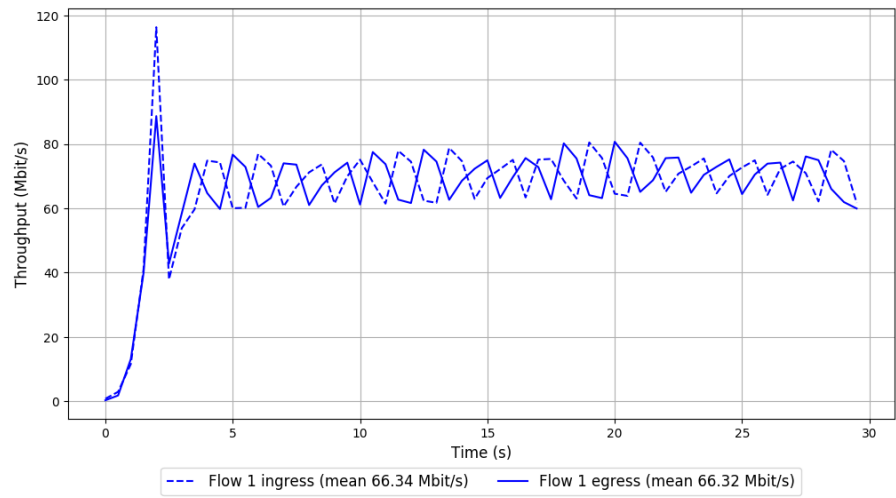
-- Flow 1:

Average throughput: 66.32 Mbit/s

95th percentile per-packet one-way delay: 111.627 ms

Loss rate: 0.78%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-27 08:43:50

End at: 2018-02-27 08:44:20

Below is generated by plot.py at 2018-02-27 11:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.48 Mbit/s

95th percentile per-packet one-way delay: 118.308 ms

Loss rate: 0.42%

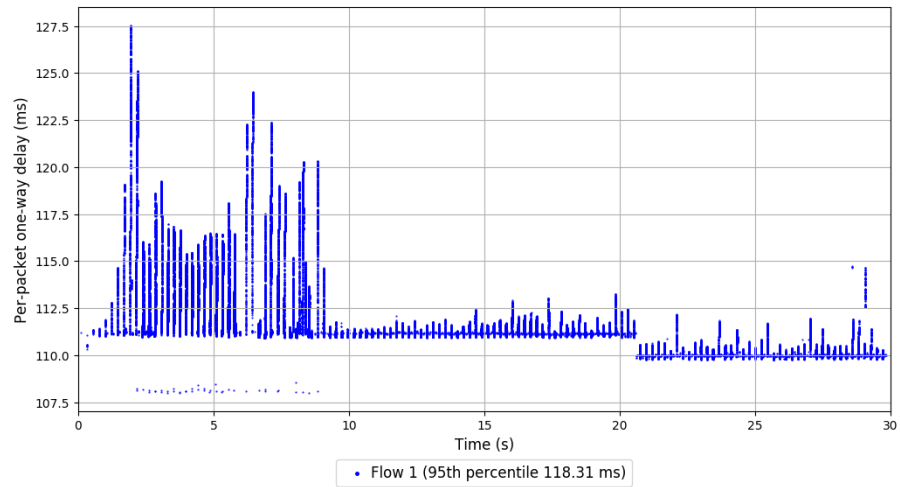
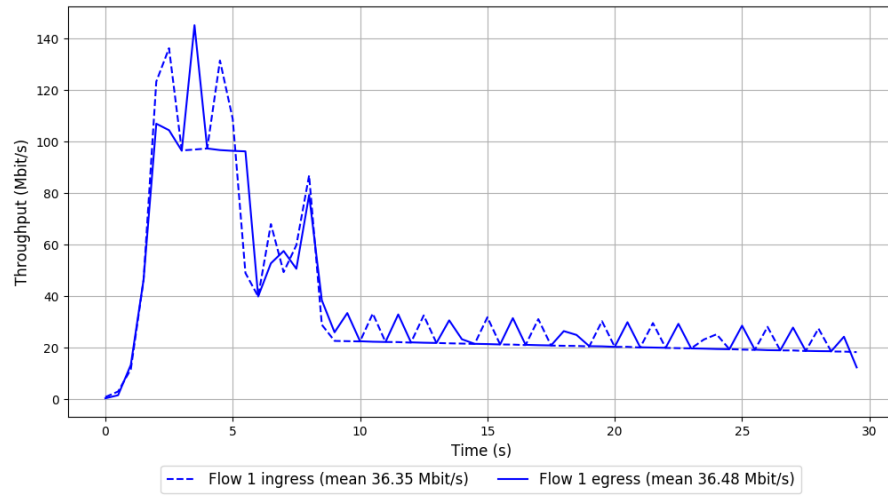
-- Flow 1:

Average throughput: 36.48 Mbit/s

95th percentile per-packet one-way delay: 118.308 ms

Loss rate: 0.42%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-27 06:07:11

End at: 2018-02-27 06:07:41

Below is generated by plot.py at 2018-02-27 11:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.93 Mbit/s

95th percentile per-packet one-way delay: 148.019 ms

Loss rate: 0.73%

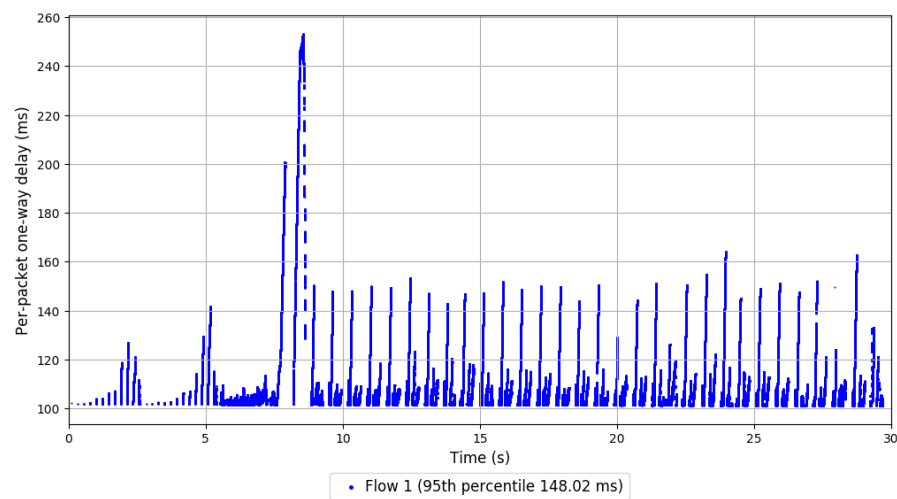
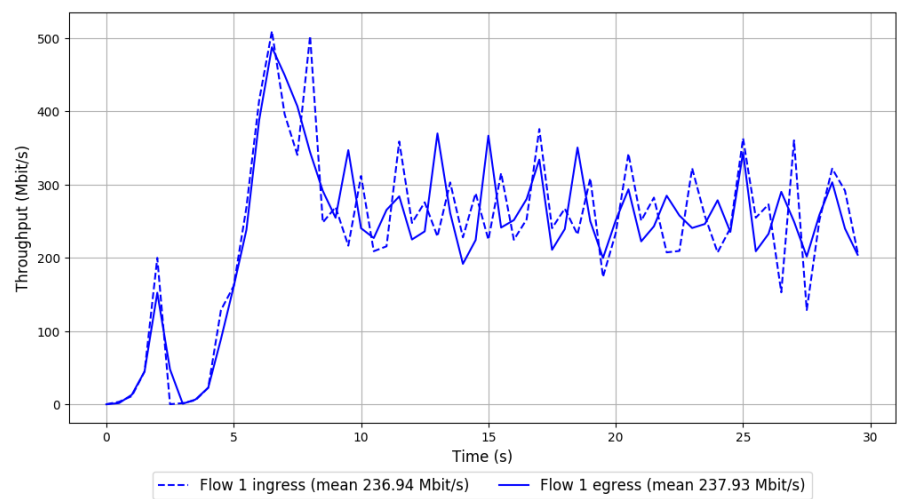
-- Flow 1:

Average throughput: 237.93 Mbit/s

95th percentile per-packet one-way delay: 148.019 ms

Loss rate: 0.73%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-27 06:22:57

End at: 2018-02-27 06:23:27

Below is generated by plot.py at 2018-02-27 11:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.27 Mbit/s

95th percentile per-packet one-way delay: 124.757 ms

Loss rate: 1.45%

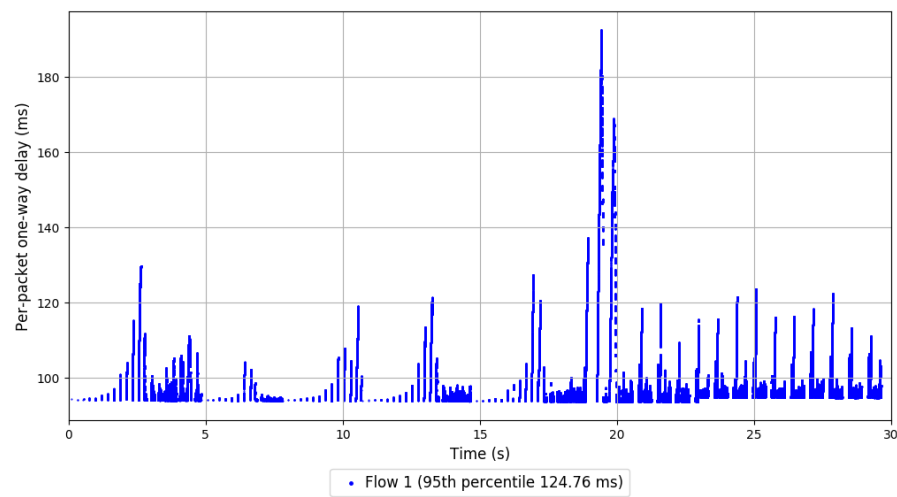
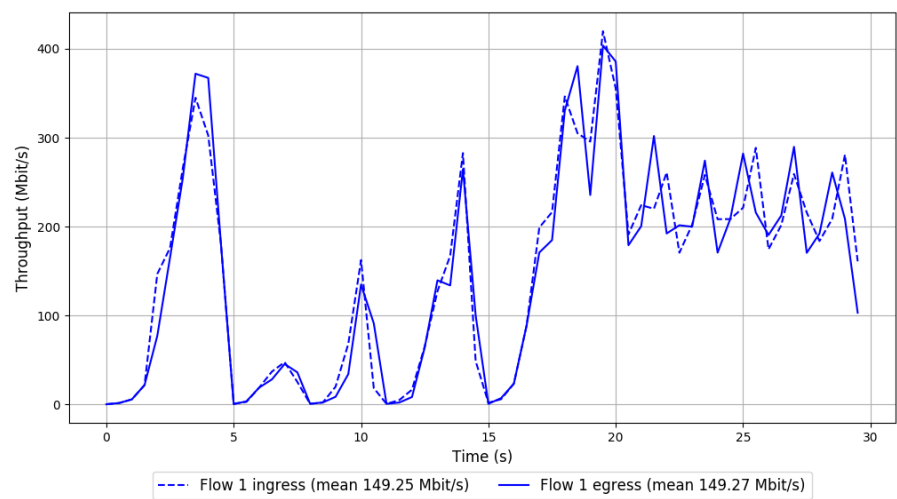
-- Flow 1:

Average throughput: 149.27 Mbit/s

95th percentile per-packet one-way delay: 124.757 ms

Loss rate: 1.45%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-27 06:38:47

End at: 2018-02-27 06:39:17

Below is generated by plot.py at 2018-02-27 11:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.29 Mbit/s

95th percentile per-packet one-way delay: 141.373 ms

Loss rate: 1.34%

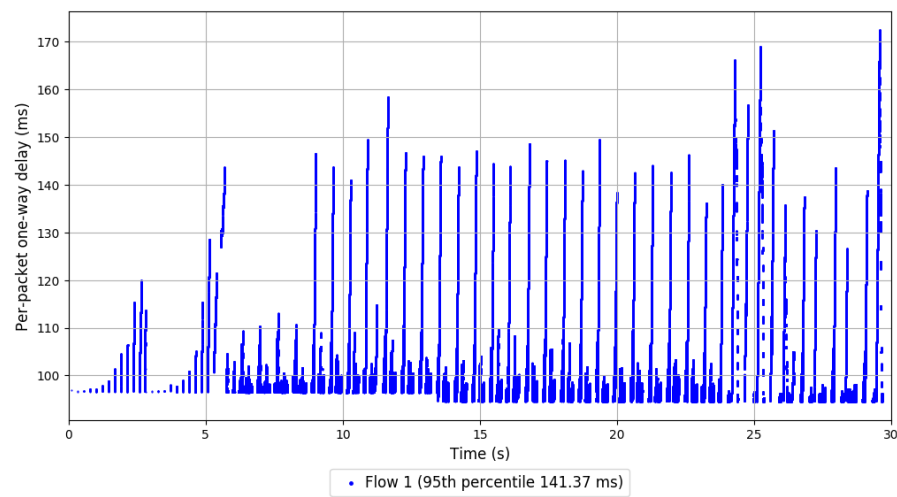
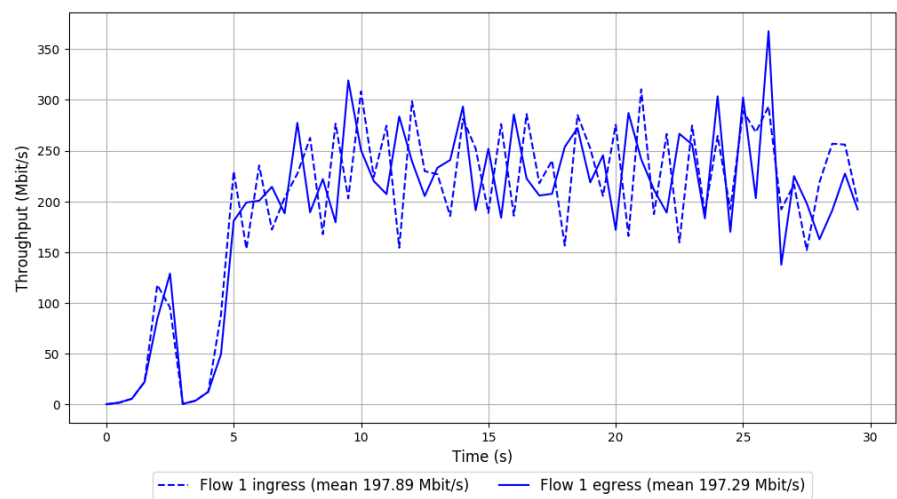
-- Flow 1:

Average throughput: 197.29 Mbit/s

95th percentile per-packet one-way delay: 141.373 ms

Loss rate: 1.34%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-27 06:54:45

End at: 2018-02-27 06:55:15

Below is generated by plot.py at 2018-02-27 11:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.06 Mbit/s

95th percentile per-packet one-way delay: 105.307 ms

Loss rate: 1.33%

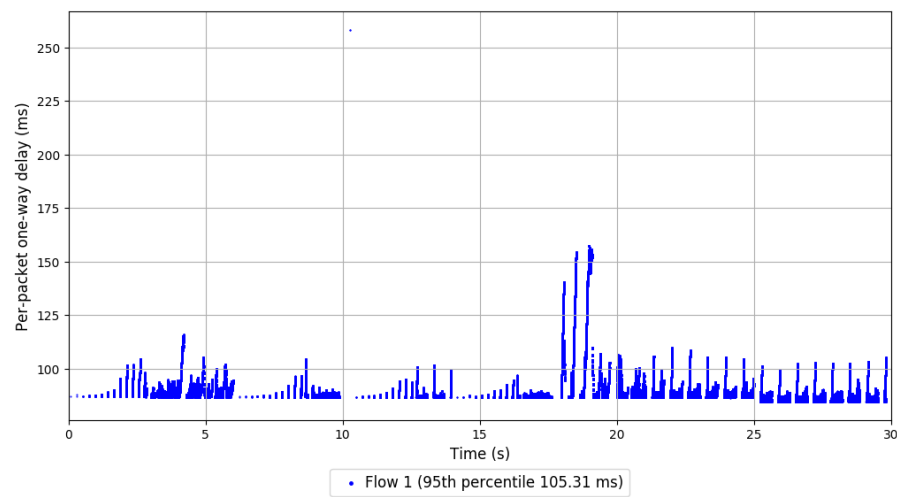
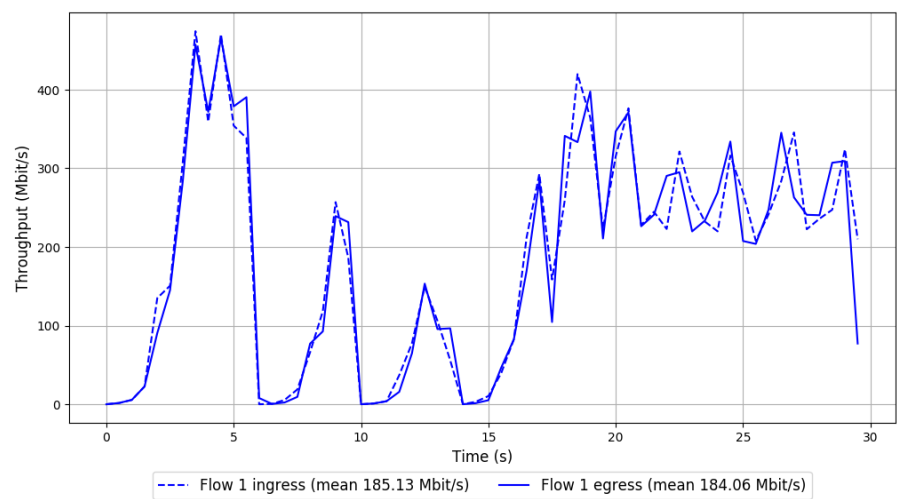
-- Flow 1:

Average throughput: 184.06 Mbit/s

95th percentile per-packet one-way delay: 105.307 ms

Loss rate: 1.33%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-27 07:10:16

End at: 2018-02-27 07:10:46

Below is generated by plot.py at 2018-02-27 11:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.29 Mbit/s

95th percentile per-packet one-way delay: 124.432 ms

Loss rate: 1.16%

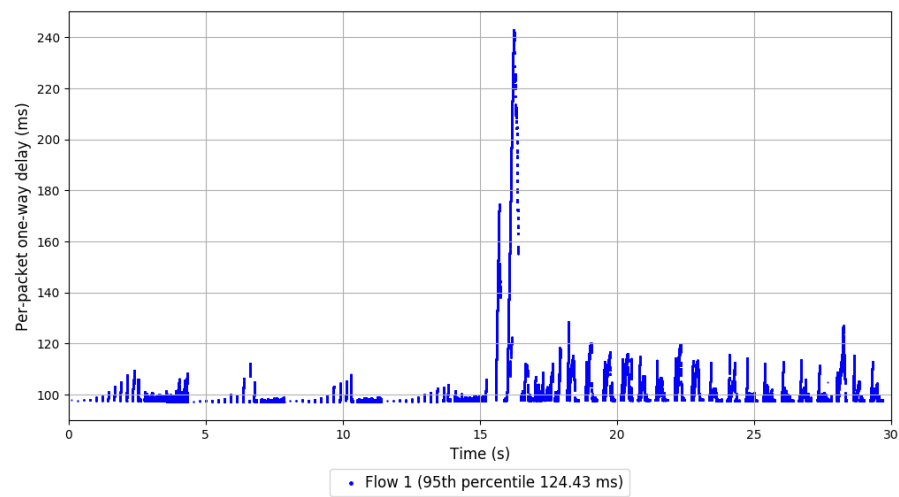
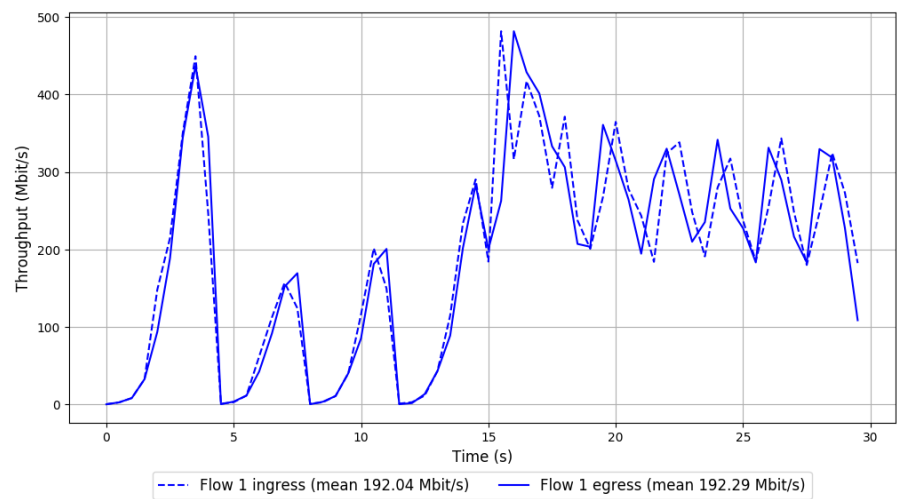
-- Flow 1:

Average throughput: 192.29 Mbit/s

95th percentile per-packet one-way delay: 124.432 ms

Loss rate: 1.16%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-27 07:25:48

End at: 2018-02-27 07:26:18

Below is generated by plot.py at 2018-02-27 11:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.49 Mbit/s

95th percentile per-packet one-way delay: 147.494 ms

Loss rate: 0.25%

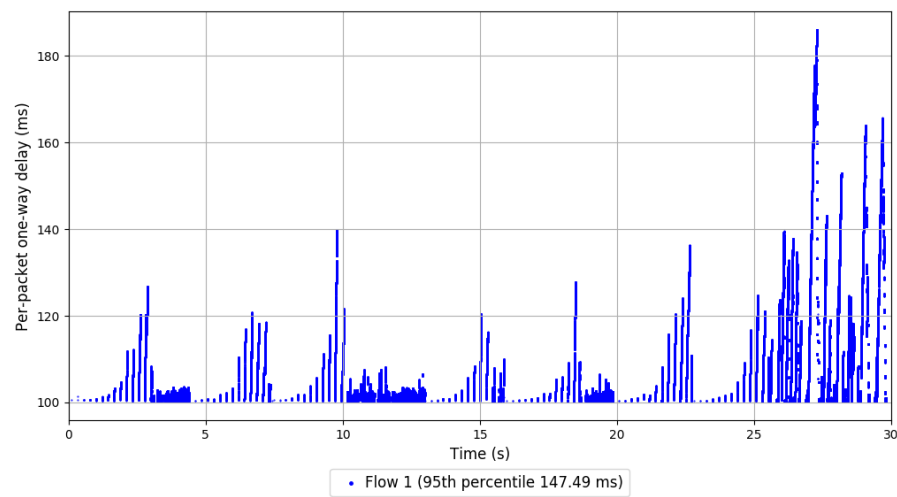
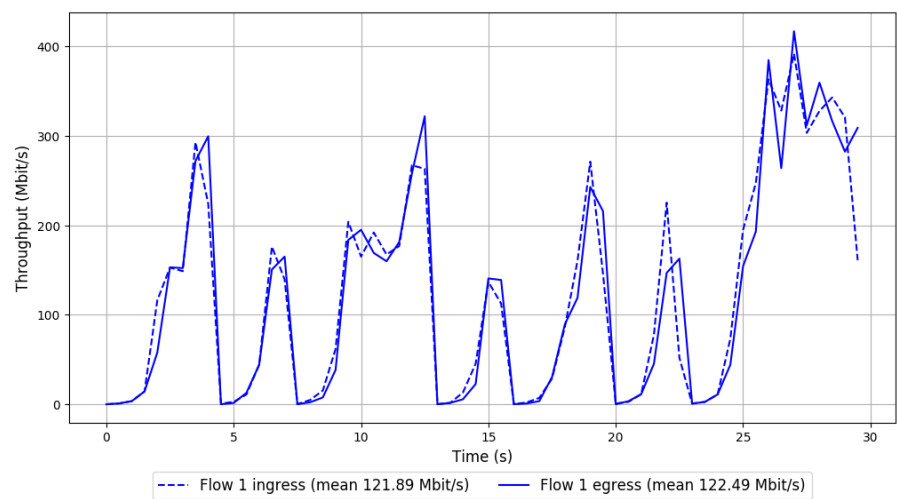
-- Flow 1:

Average throughput: 122.49 Mbit/s

95th percentile per-packet one-way delay: 147.494 ms

Loss rate: 0.25%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-27 07:41:29

End at: 2018-02-27 07:41:59

Below is generated by plot.py at 2018-02-27 11:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.56 Mbit/s

95th percentile per-packet one-way delay: 119.654 ms

Loss rate: 0.69%

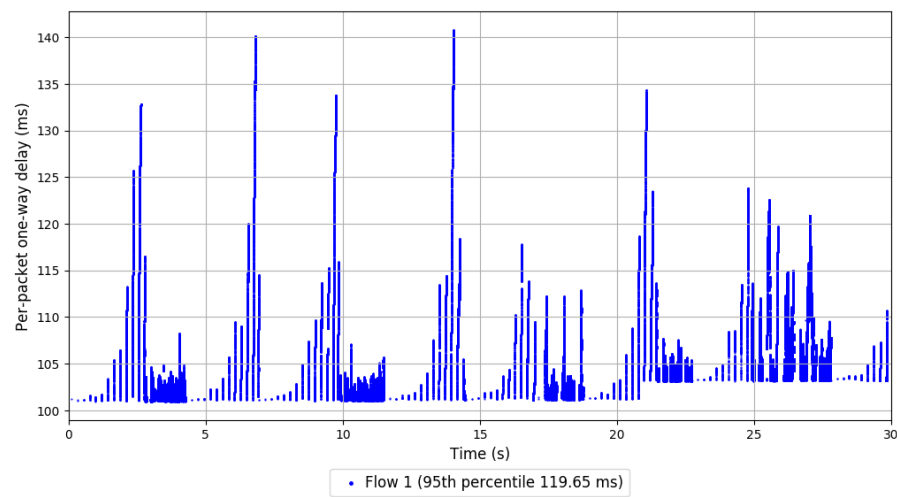
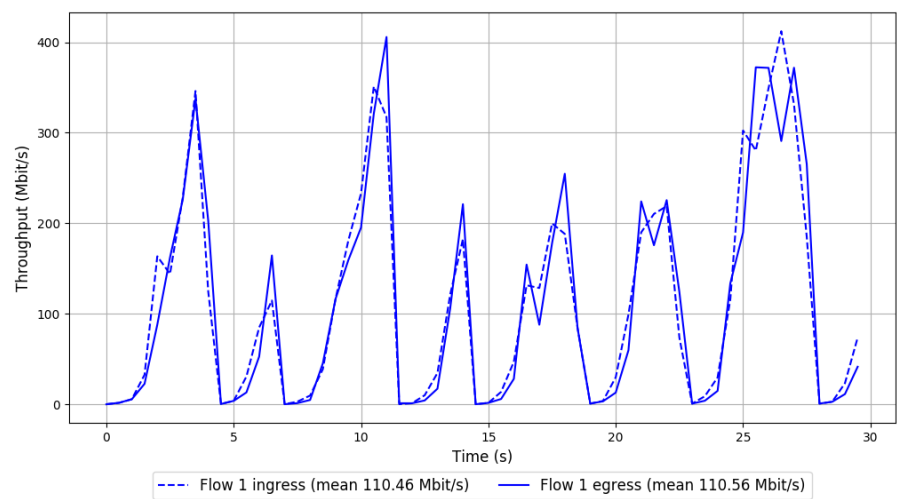
-- Flow 1:

Average throughput: 110.56 Mbit/s

95th percentile per-packet one-way delay: 119.654 ms

Loss rate: 0.69%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-27 07:57:06

End at: 2018-02-27 07:57:36

Below is generated by plot.py at 2018-02-27 11:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.18 Mbit/s

95th percentile per-packet one-way delay: 126.093 ms

Loss rate: 1.21%

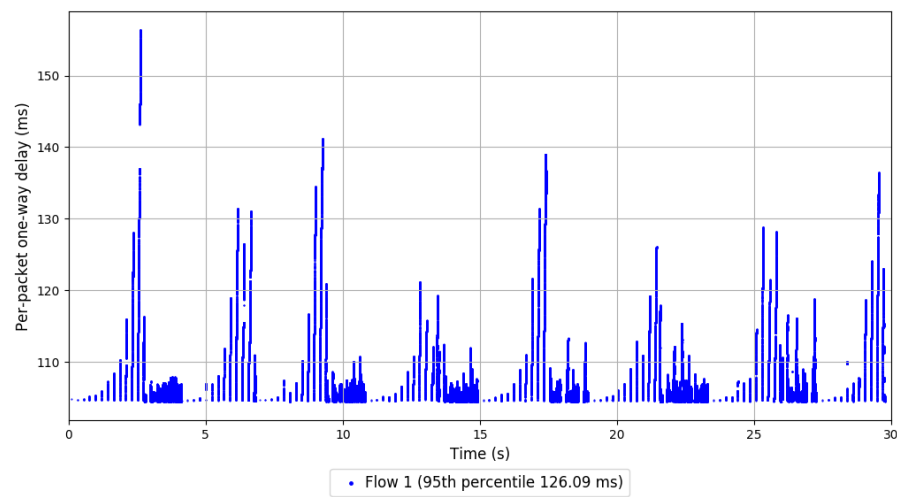
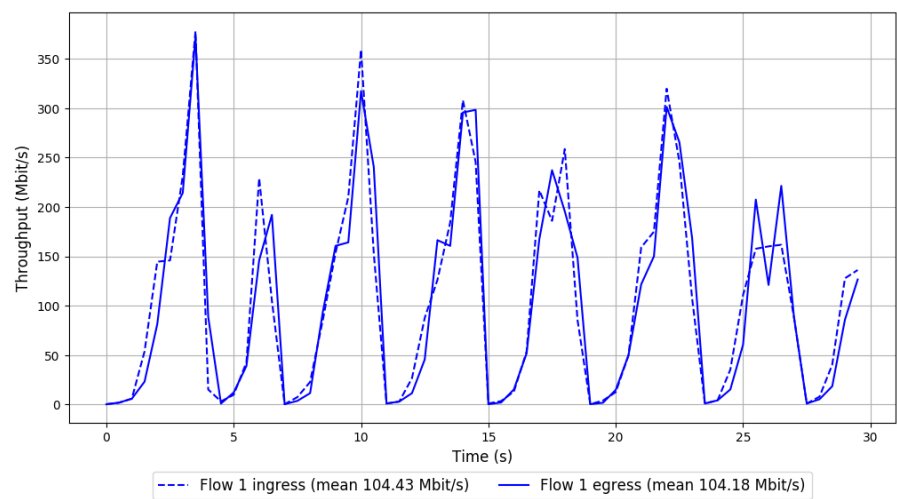
-- Flow 1:

Average throughput: 104.18 Mbit/s

95th percentile per-packet one-way delay: 126.093 ms

Loss rate: 1.21%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-27 08:12:43

End at: 2018-02-27 08:13:13

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.19 Mbit/s

95th percentile per-packet one-way delay: 146.315 ms

Loss rate: 1.51%

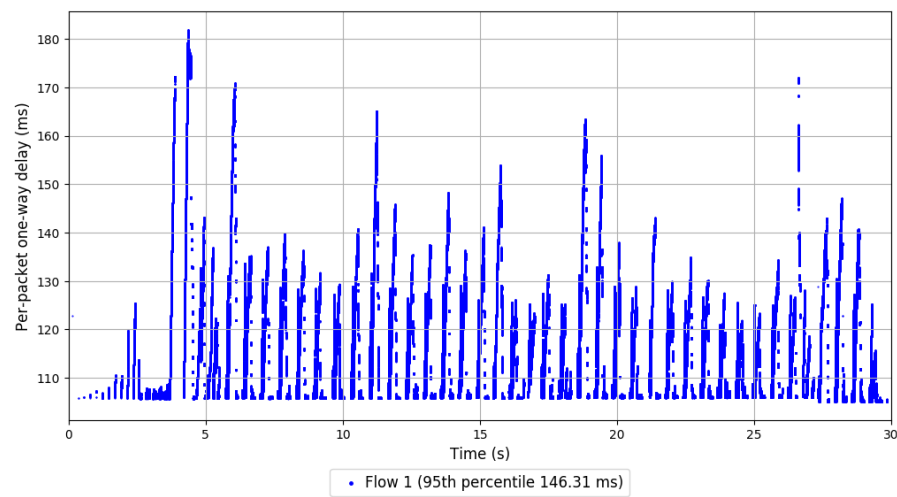
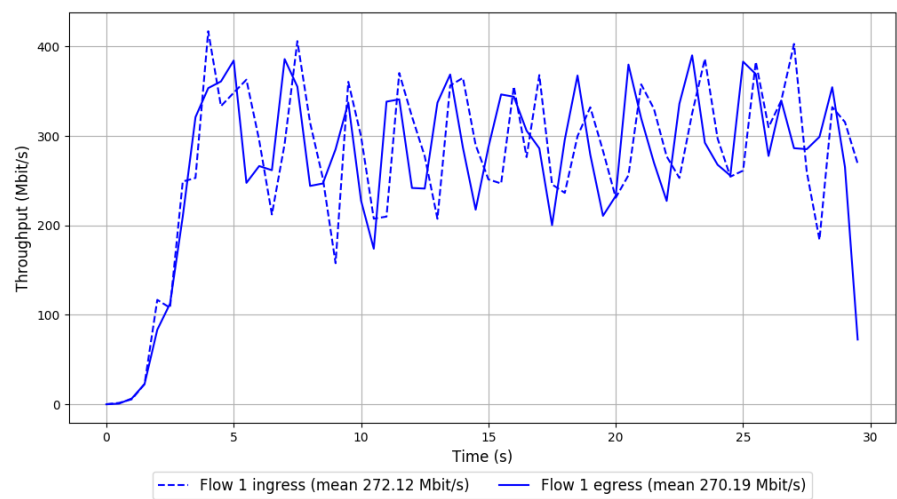
-- Flow 1:

Average throughput: 270.19 Mbit/s

95th percentile per-packet one-way delay: 146.315 ms

Loss rate: 1.51%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-27 08:28:54

End at: 2018-02-27 08:29:24

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.43 Mbit/s

95th percentile per-packet one-way delay: 118.693 ms

Loss rate: 0.81%

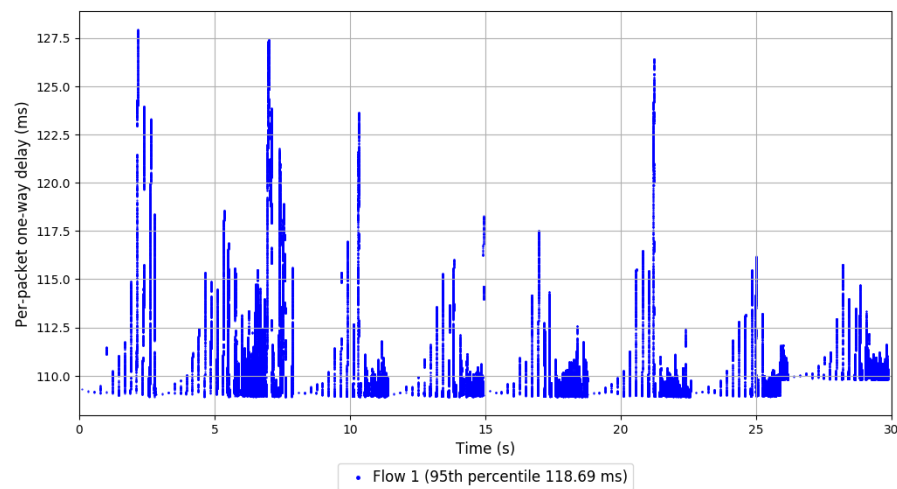
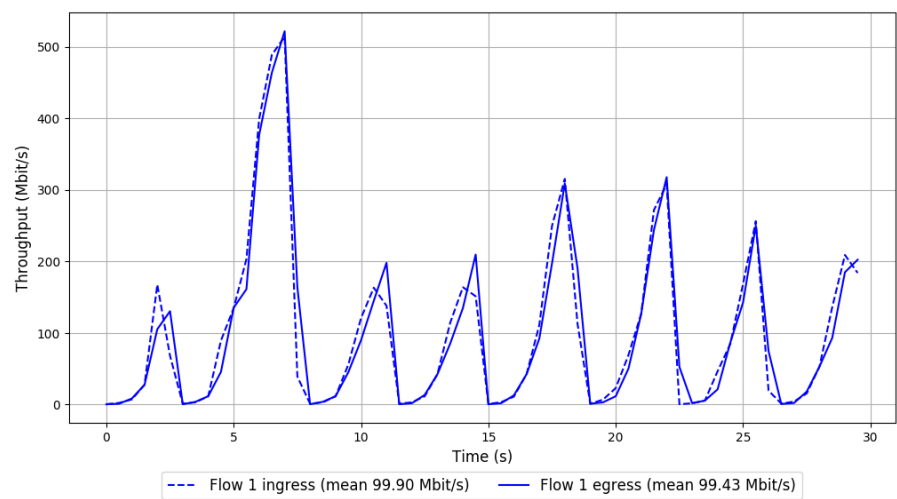
-- Flow 1:

Average throughput: 99.43 Mbit/s

95th percentile per-packet one-way delay: 118.693 ms

Loss rate: 0.81%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-27 06:20:38

End at: 2018-02-27 06:21:08

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 100.727 ms

Loss rate: 2.40%

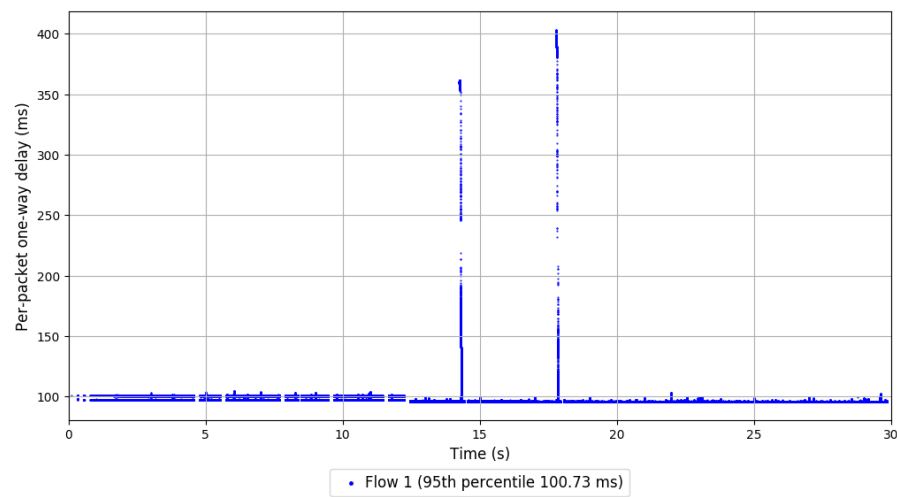
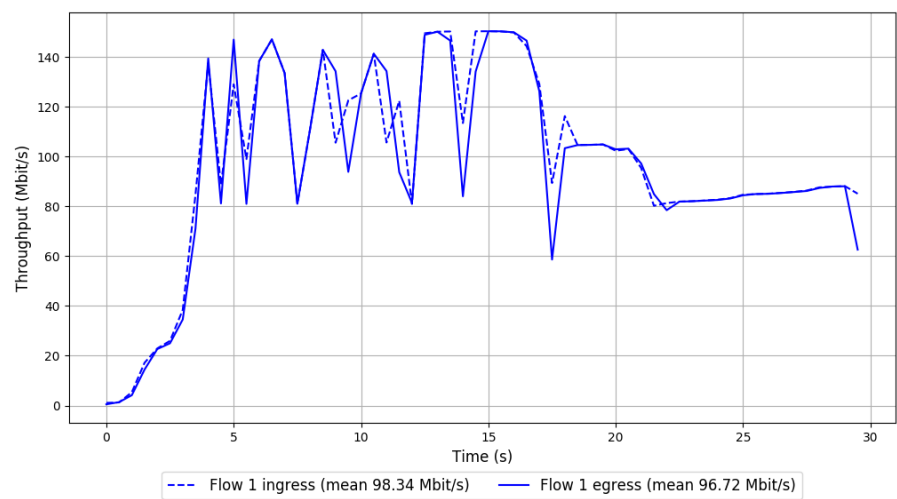
-- Flow 1:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 100.727 ms

Loss rate: 2.40%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-27 06:36:25

End at: 2018-02-27 06:36:55

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 96.895 ms

Loss rate: 0.81%

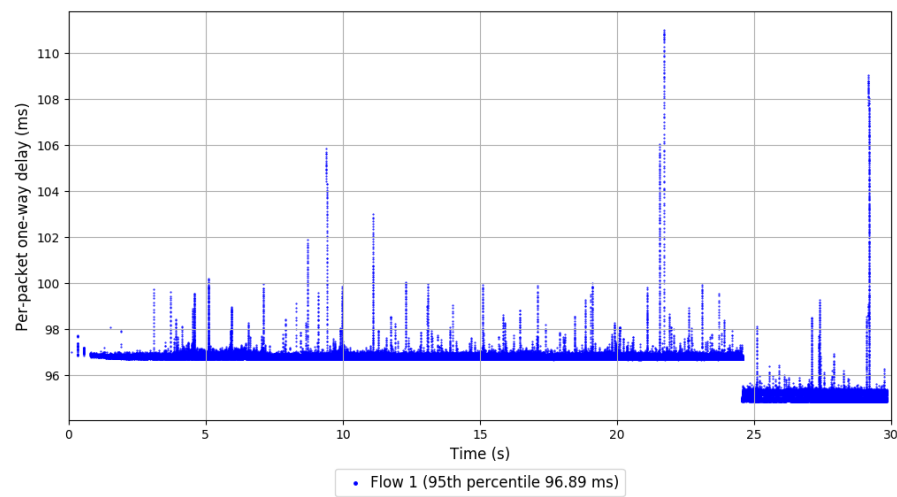
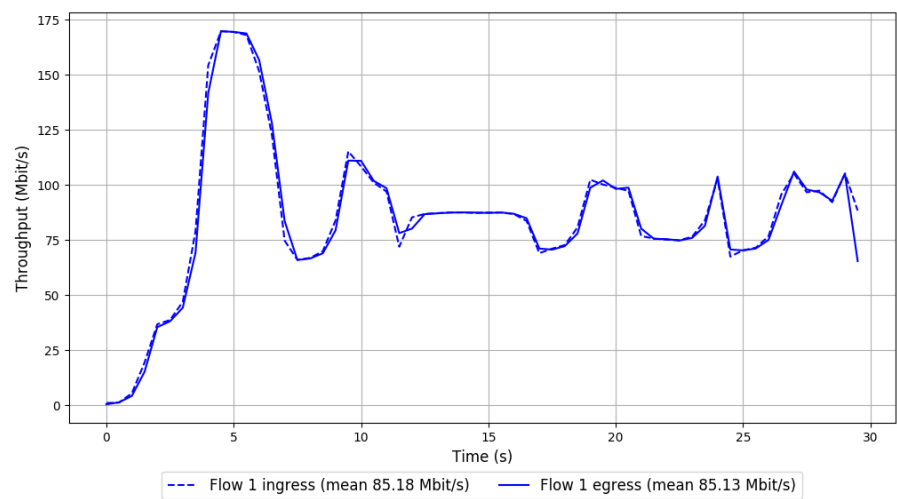
-- Flow 1:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 96.895 ms

Loss rate: 0.81%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-27 06:52:26

End at: 2018-02-27 06:52:56

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.58 Mbit/s

95th percentile per-packet one-way delay: 89.212 ms

Loss rate: 0.86%

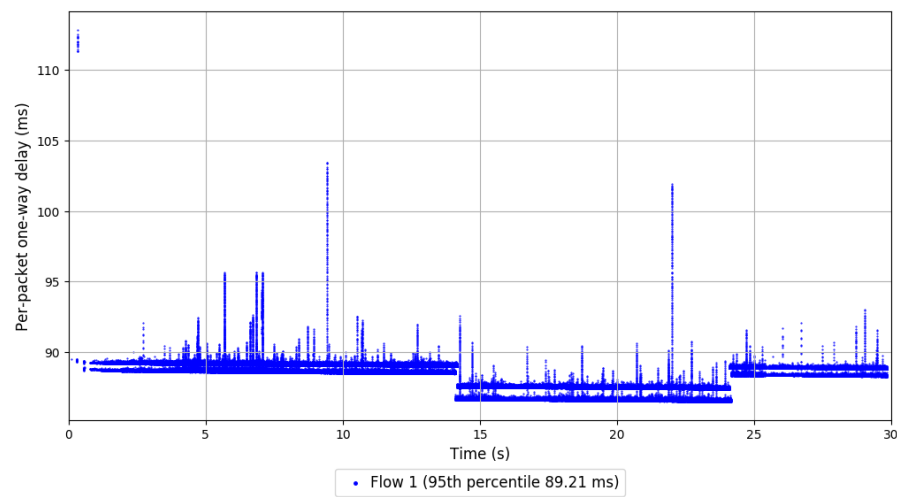
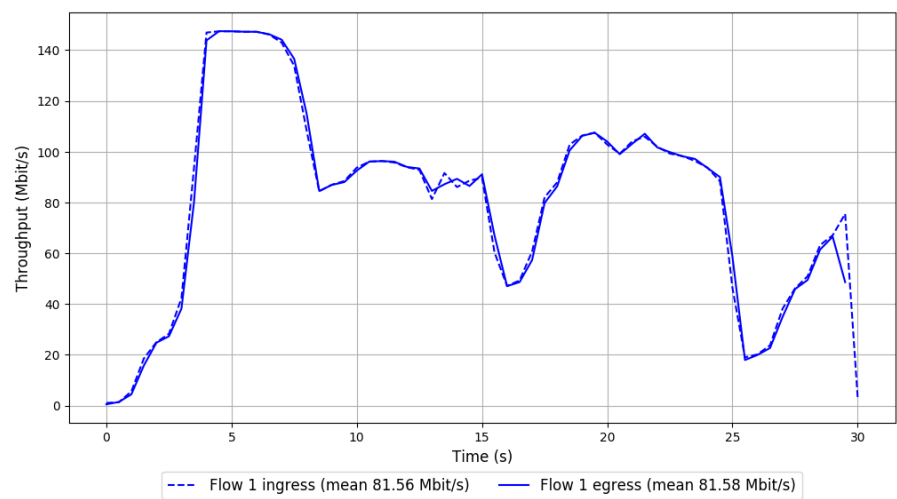
-- Flow 1:

Average throughput: 81.58 Mbit/s

95th percentile per-packet one-way delay: 89.212 ms

Loss rate: 0.86%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-27 07:07:57

End at: 2018-02-27 07:08:27

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.57 Mbit/s

95th percentile per-packet one-way delay: 95.285 ms

Loss rate: 1.13%

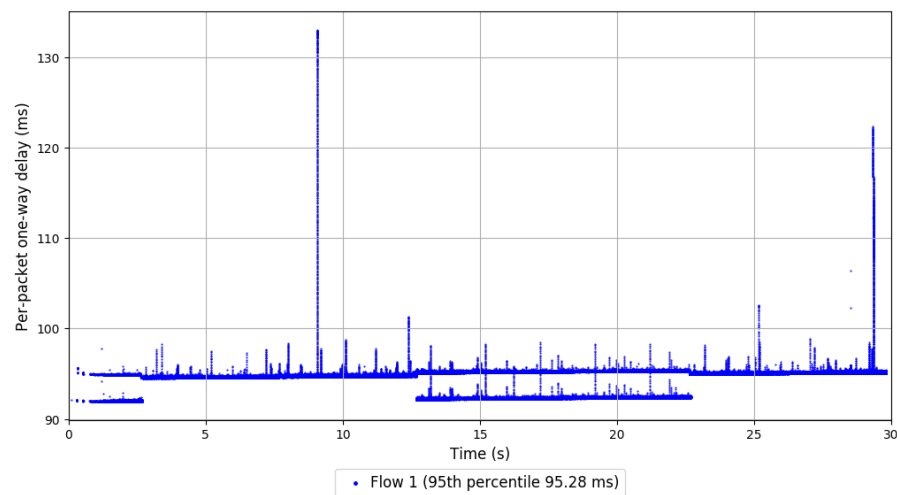
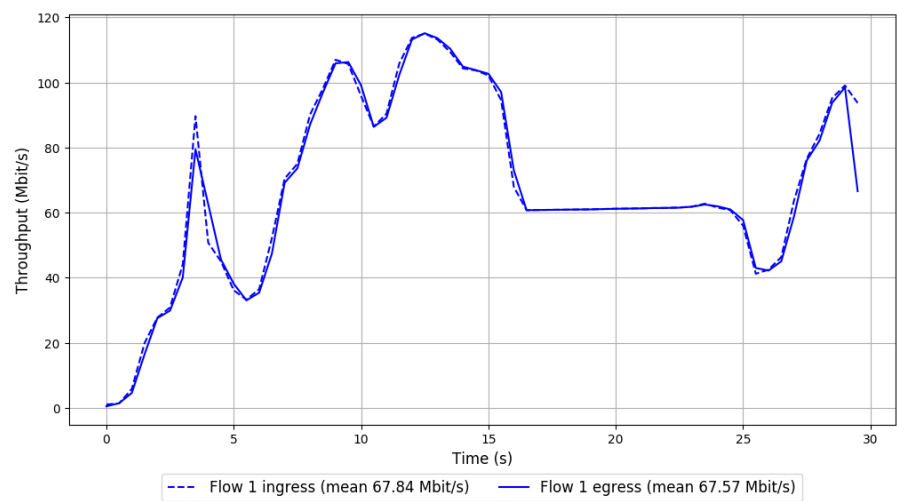
-- Flow 1:

Average throughput: 67.57 Mbit/s

95th percentile per-packet one-way delay: 95.285 ms

Loss rate: 1.13%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-27 07:23:31

End at: 2018-02-27 07:24:01

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 100.439 ms

Loss rate: 1.17%

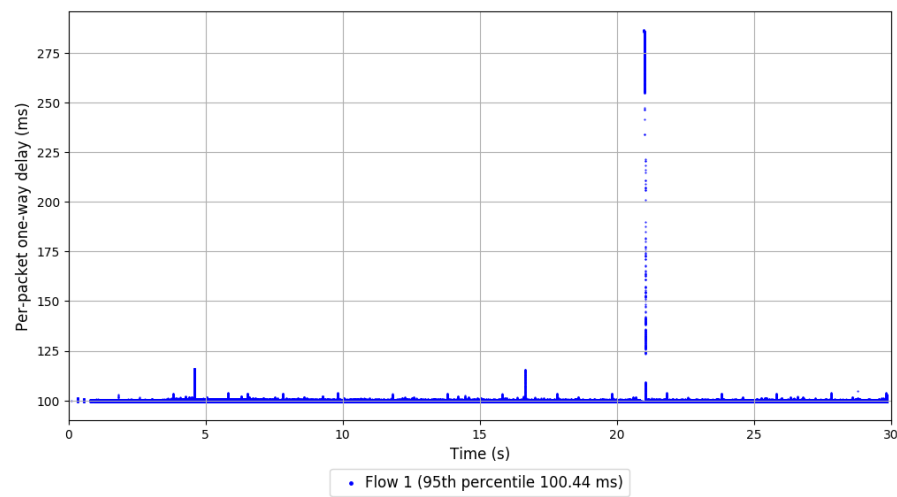
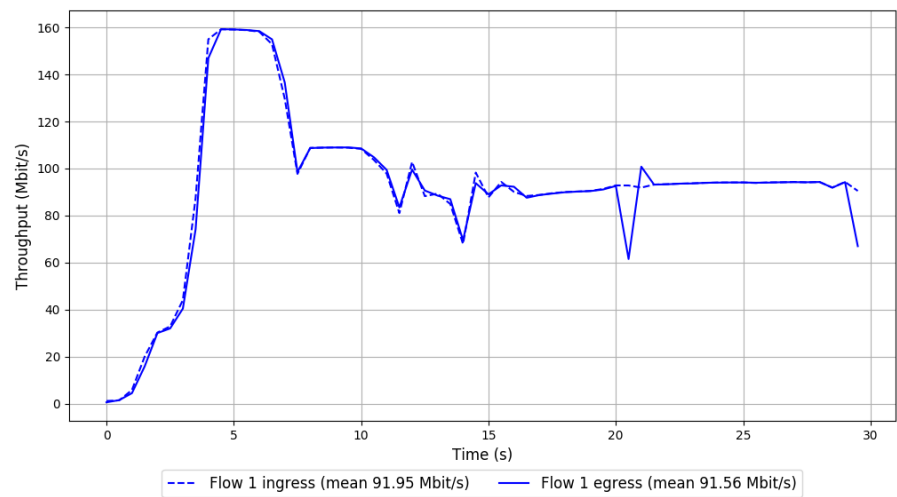
-- Flow 1:

Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 100.439 ms

Loss rate: 1.17%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-27 07:39:14

End at: 2018-02-27 07:39:44

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 101.300 ms

Loss rate: 0.76%

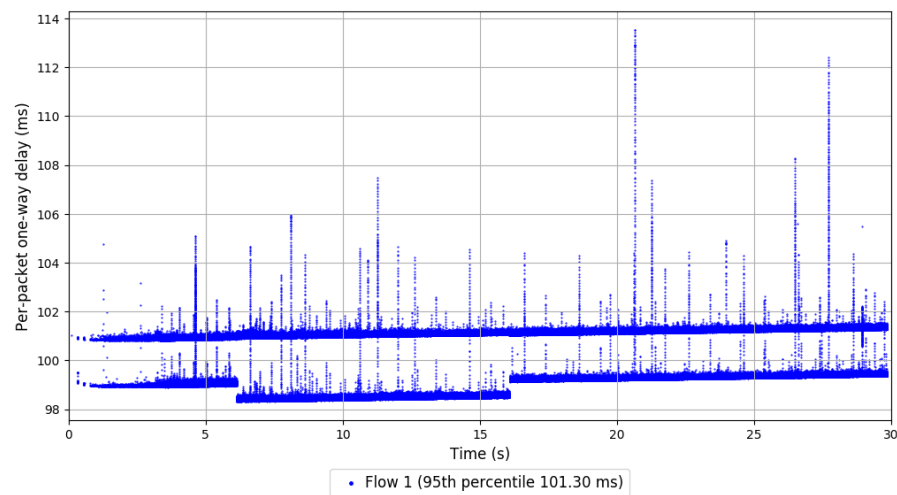
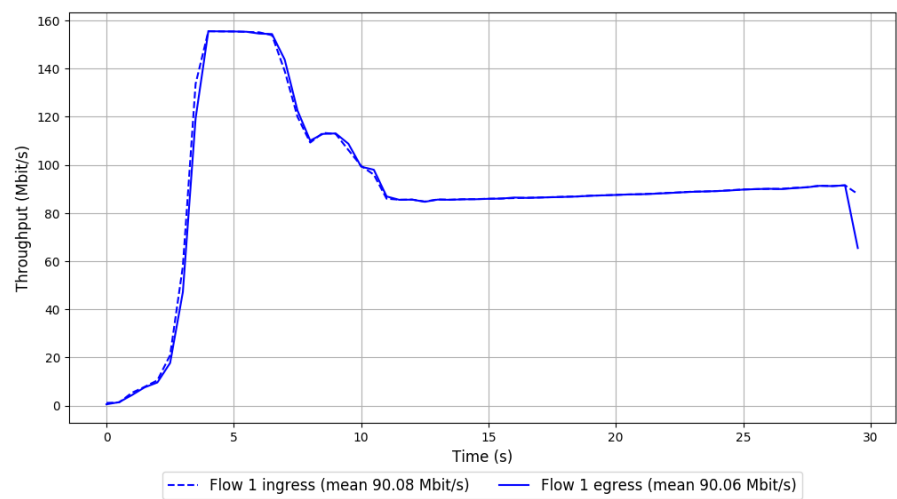
-- Flow 1:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 101.300 ms

Loss rate: 0.76%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-27 07:54:53

End at: 2018-02-27 07:55:23

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.79 Mbit/s

95th percentile per-packet one-way delay: 107.013 ms

Loss rate: 0.30%

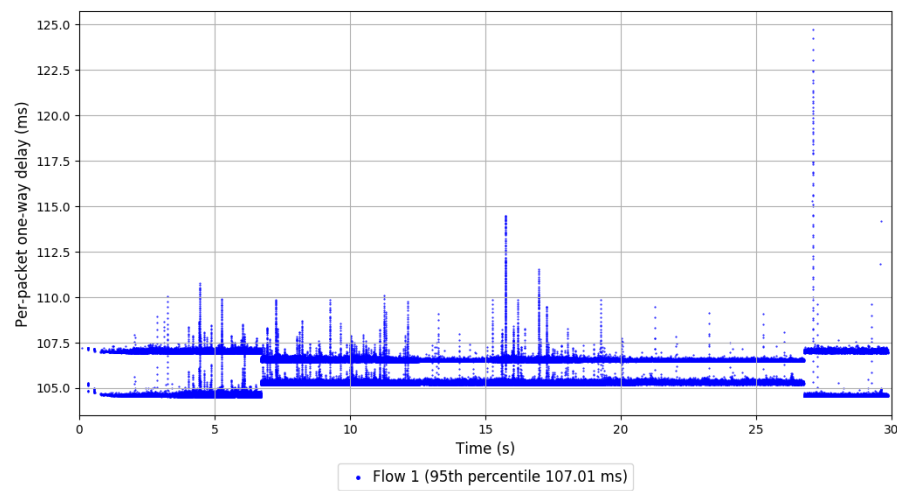
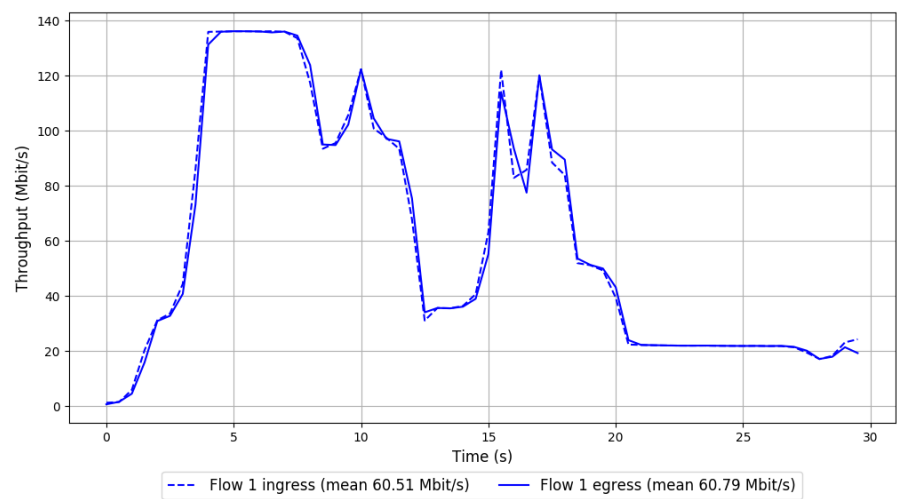
-- Flow 1:

Average throughput: 60.79 Mbit/s

95th percentile per-packet one-way delay: 107.013 ms

Loss rate: 0.30%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-27 08:10:25

End at: 2018-02-27 08:10:55

Below is generated by plot.py at 2018-02-27 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.57 Mbit/s

95th percentile per-packet one-way delay: 104.415 ms

Loss rate: 0.16%

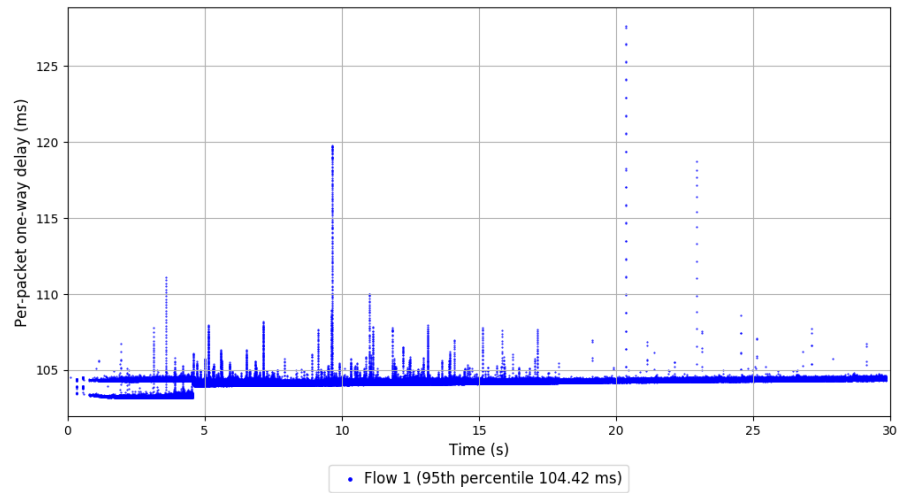
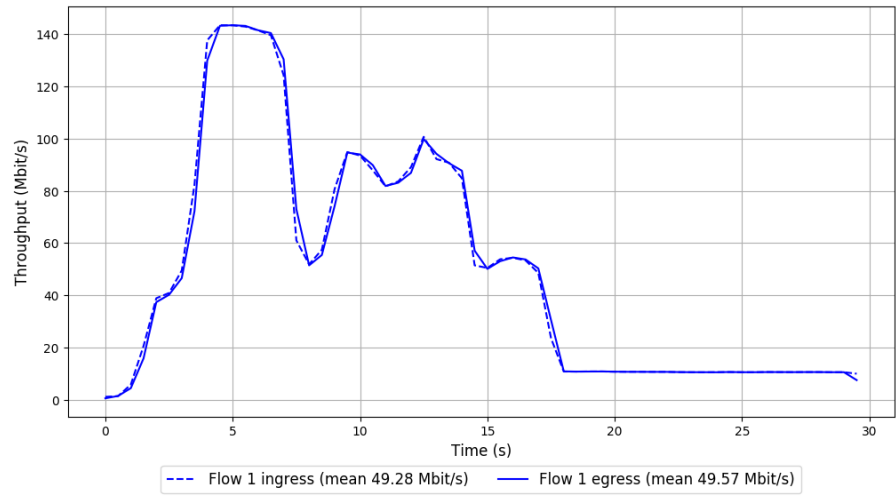
-- Flow 1:

Average throughput: 49.57 Mbit/s

95th percentile per-packet one-way delay: 104.415 ms

Loss rate: 0.16%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-27 08:26:33

End at: 2018-02-27 08:27:03

Below is generated by plot.py at 2018-02-27 11:57:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 109.863 ms

Loss rate: 0.75%

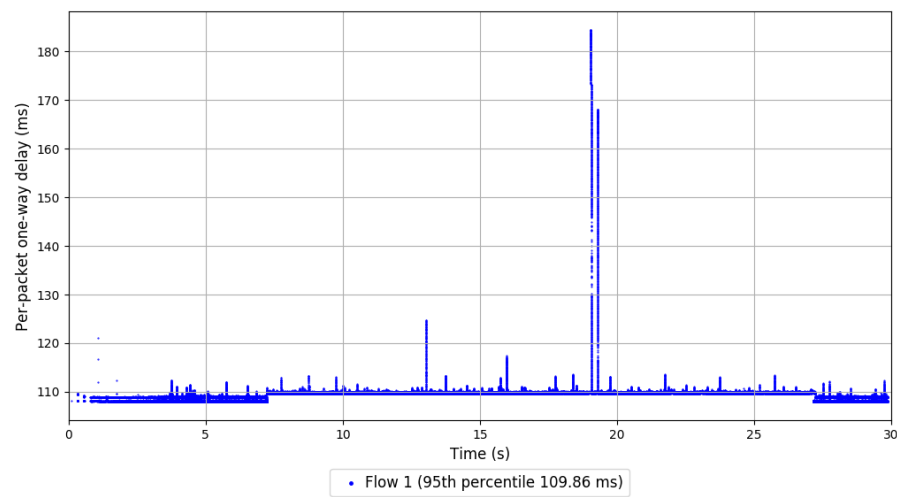
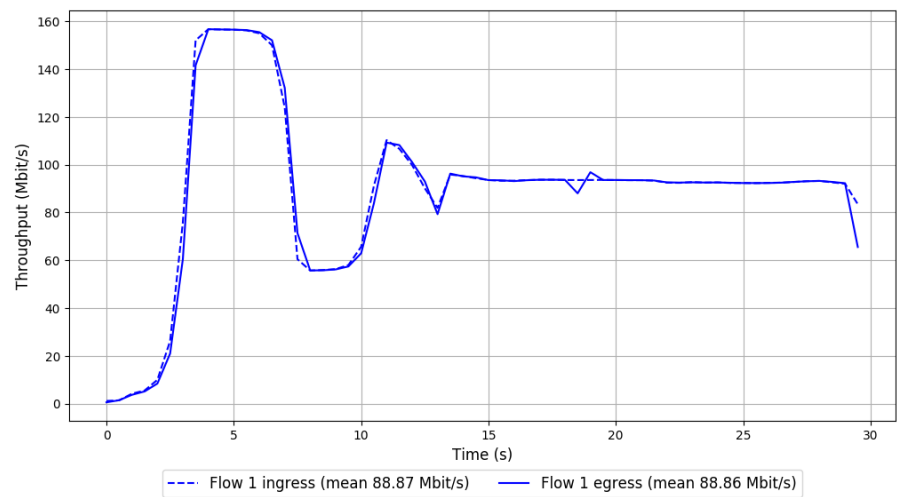
-- Flow 1:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 109.863 ms

Loss rate: 0.75%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-27 08:42:15

End at: 2018-02-27 08:42:45

Below is generated by plot.py at 2018-02-27 11:57:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 109.996 ms

Loss rate: 0.77%

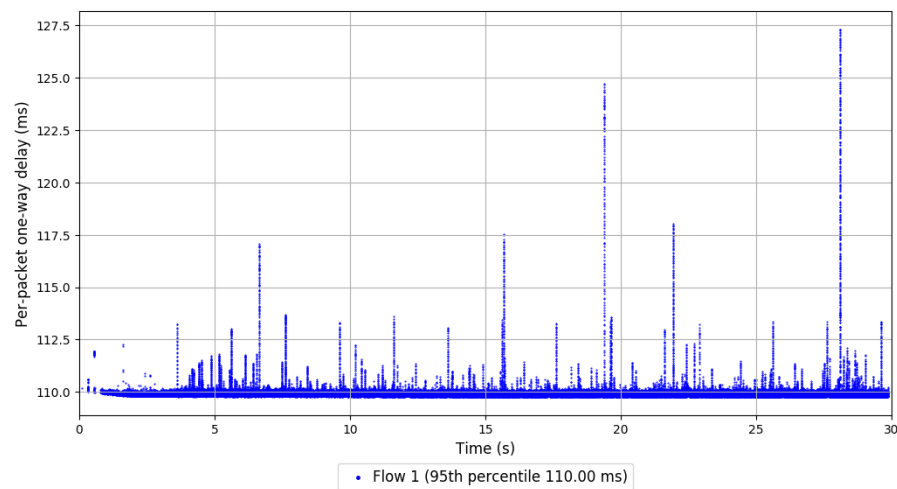
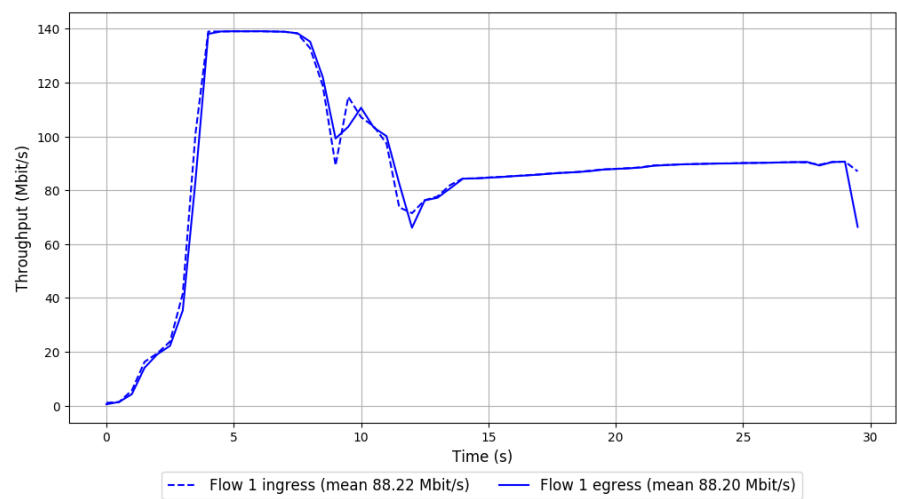
-- Flow 1:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 109.996 ms

Loss rate: 0.77%

Run 10: Report of Copa — Data Link

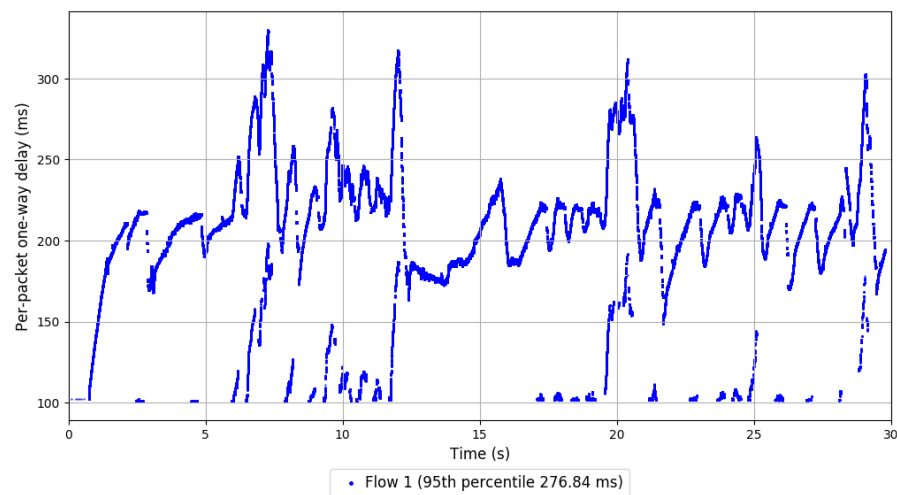
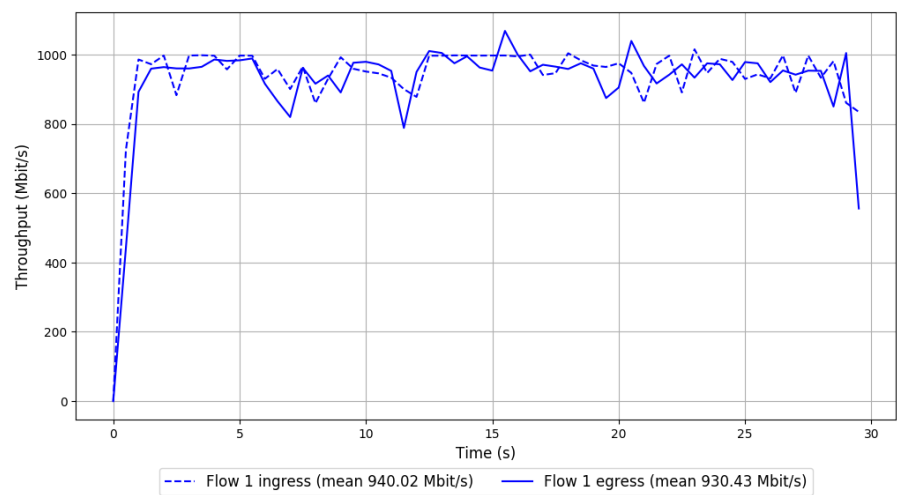


```
Run 1: Statistics of FillP

Start at: 2018-02-27 06:08:09
End at: 2018-02-27 06:08:39

# Below is generated by plot.py at 2018-02-27 12:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 930.43 Mbit/s
95th percentile per-packet one-way delay: 276.836 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 930.43 Mbit/s
95th percentile per-packet one-way delay: 276.836 ms
Loss rate: 1.77%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-27 06:23:48

End at: 2018-02-27 06:24:18

Below is generated by plot.py at 2018-02-27 12:11:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 896.55 Mbit/s

95th percentile per-packet one-way delay: 312.014 ms

Loss rate: 2.51%

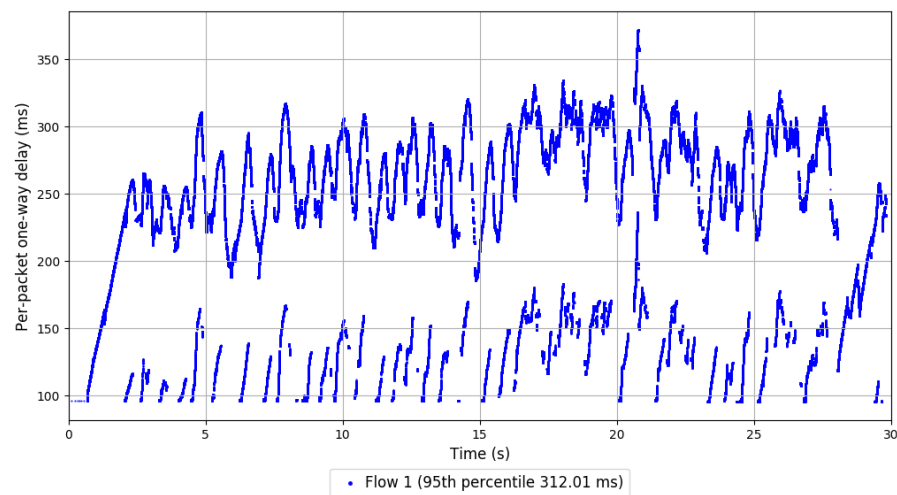
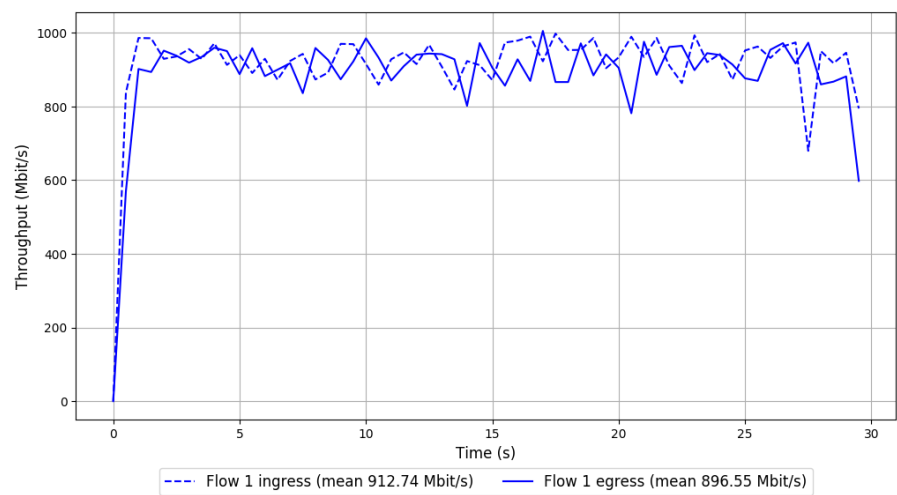
-- Flow 1:

Average throughput: 896.55 Mbit/s

95th percentile per-packet one-way delay: 312.014 ms

Loss rate: 2.51%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-27 06:39:41

End at: 2018-02-27 06:40:11

Below is generated by plot.py at 2018-02-27 12:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 956.36 Mbit/s

95th percentile per-packet one-way delay: 217.267 ms

Loss rate: 1.28%

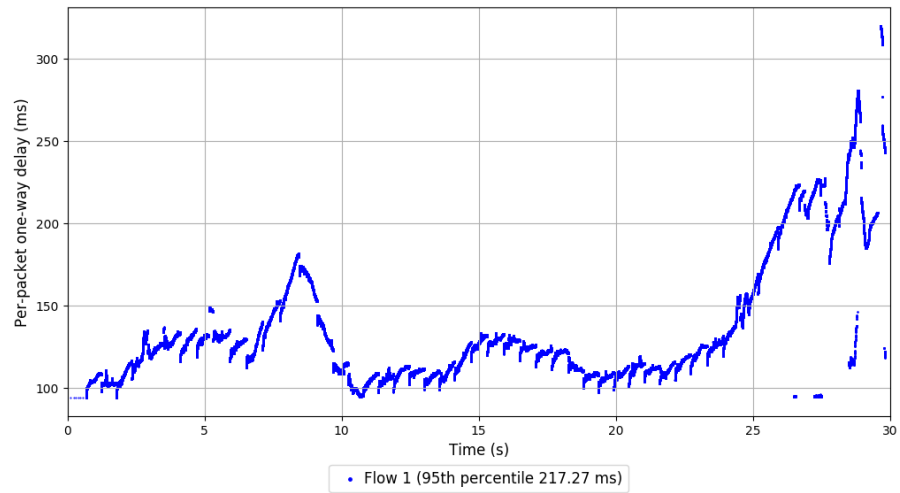
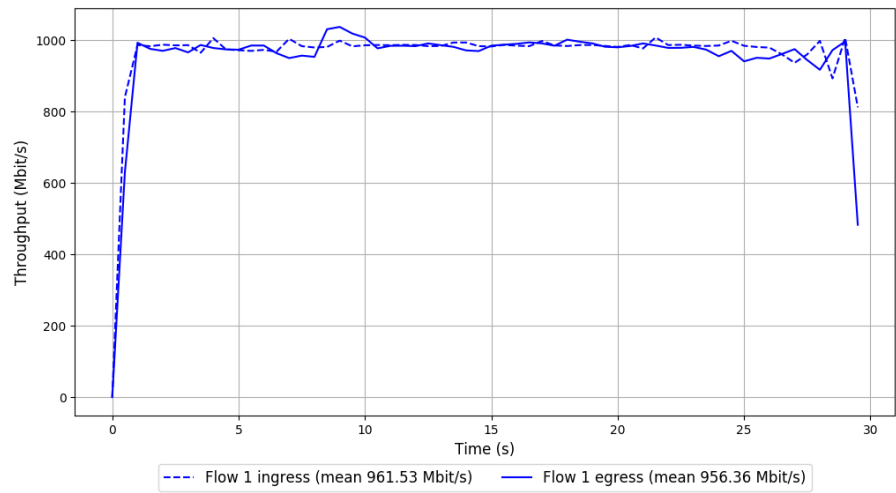
-- Flow 1:

Average throughput: 956.36 Mbit/s

95th percentile per-packet one-way delay: 217.267 ms

Loss rate: 1.28%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-27 06:55:39

End at: 2018-02-27 06:56:09

Below is generated by plot.py at 2018-02-27 12:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 923.38 Mbit/s

95th percentile per-packet one-way delay: 252.522 ms

Loss rate: 1.54%

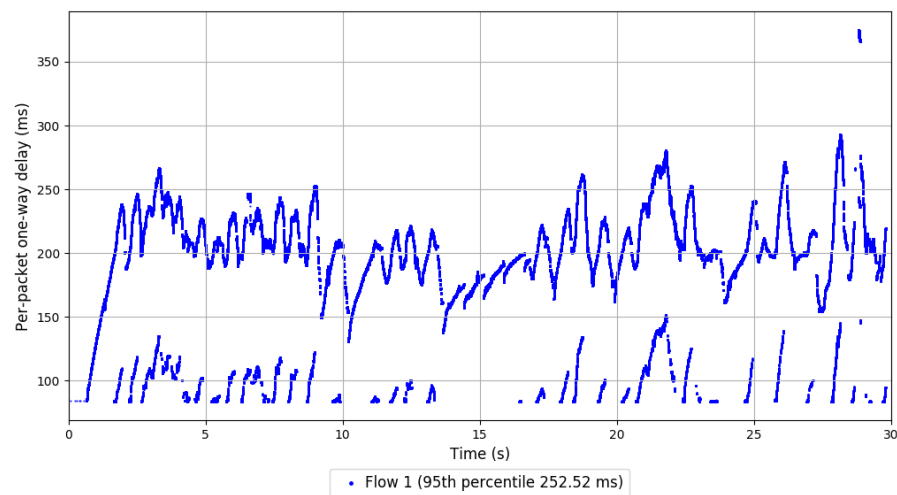
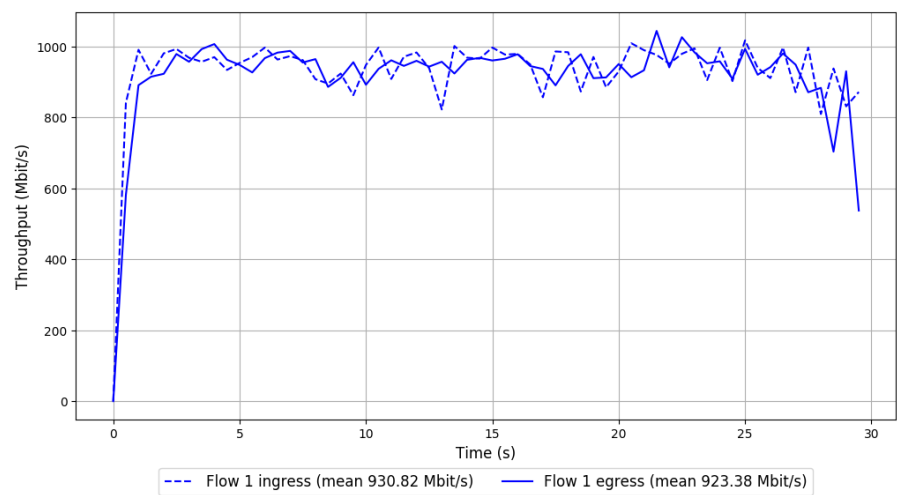
-- Flow 1:

Average throughput: 923.38 Mbit/s

95th percentile per-packet one-way delay: 252.522 ms

Loss rate: 1.54%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-27 07:11:11

End at: 2018-02-27 07:11:41

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 962.78 Mbit/s

95th percentile per-packet one-way delay: 201.053 ms

Loss rate: 0.98%

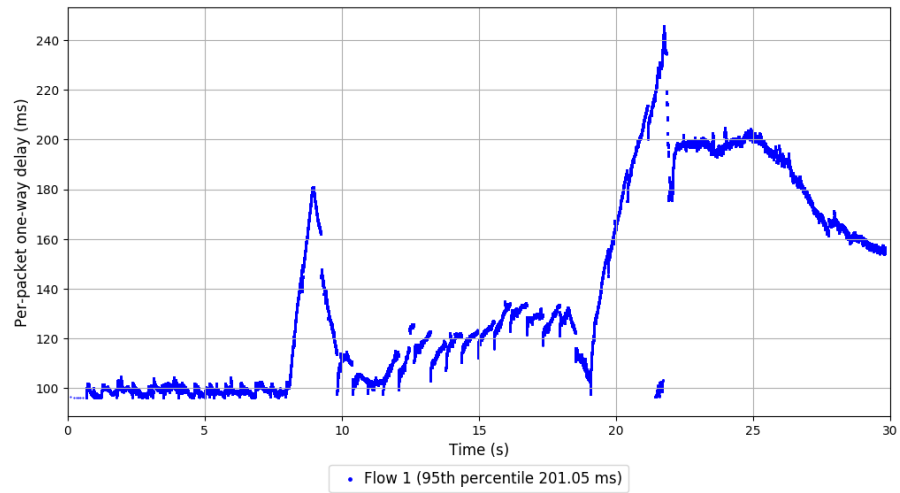
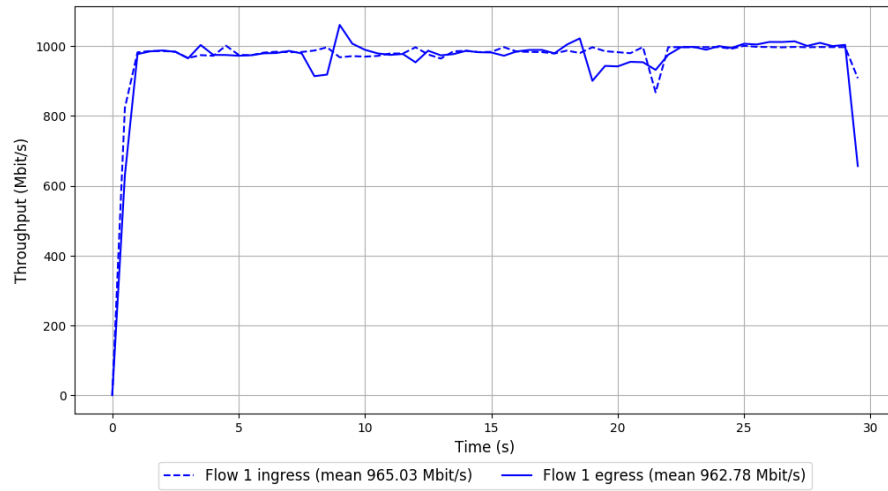
-- Flow 1:

Average throughput: 962.78 Mbit/s

95th percentile per-packet one-way delay: 201.053 ms

Loss rate: 0.98%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-27 07:26:37

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

Below is generated by plot.py at 2018-02-27 12:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 961.84 Mbit/s

95th percentile per-packet one-way delay: 176.893 ms

Loss rate: 0.94%

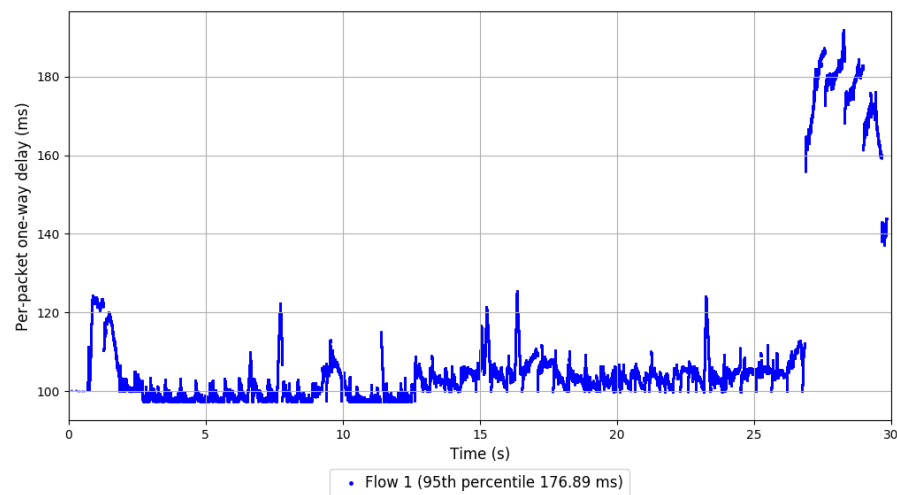
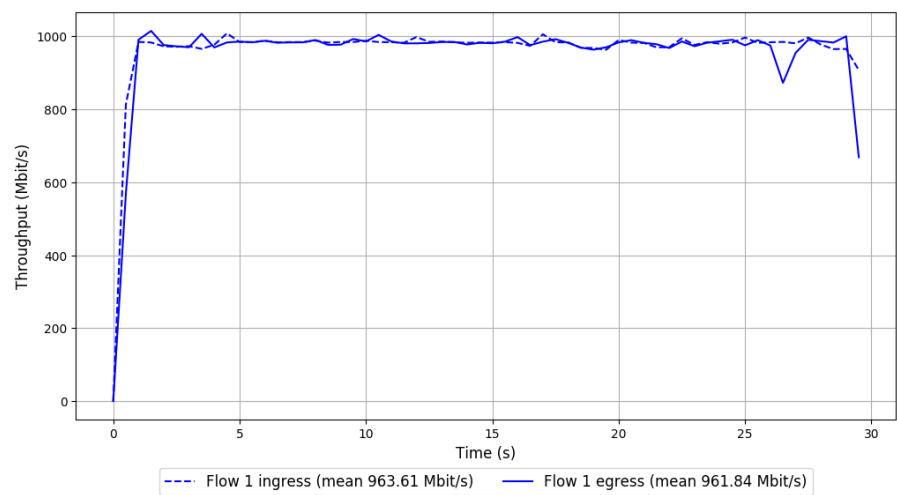
-- Flow 1:

Average throughput: 961.84 Mbit/s

95th percentile per-packet one-way delay: 176.893 ms

Loss rate: 0.94%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-27 07:42:18

End at: 2018-02-27 07:42:48

Below is generated by plot.py at 2018-02-27 12:14:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 949.62 Mbit/s

95th percentile per-packet one-way delay: 229.816 ms

Loss rate: 1.20%

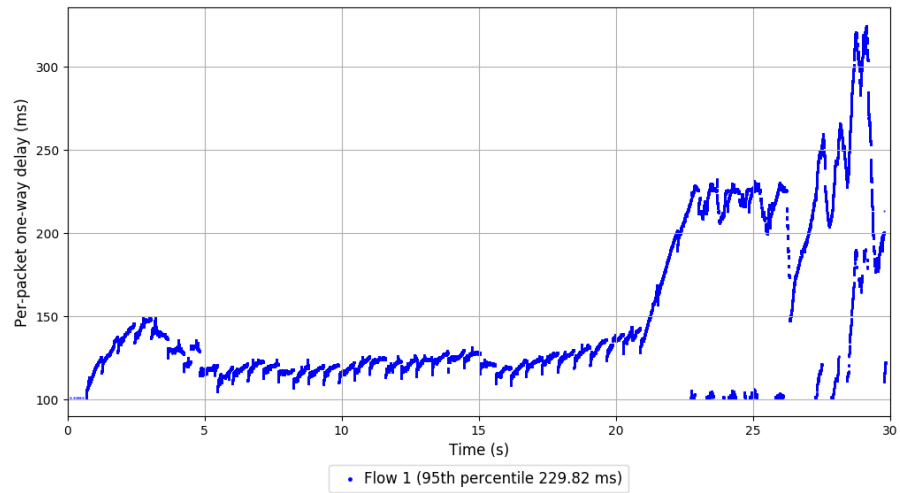
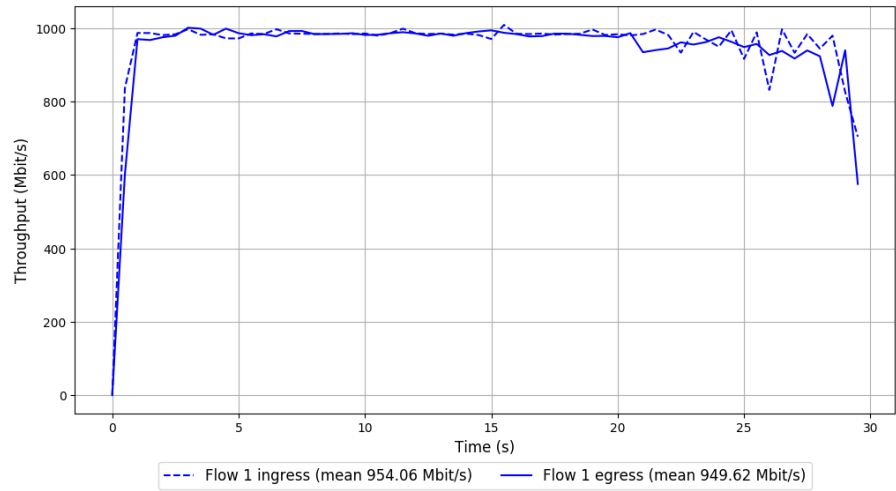
-- Flow 1:

Average throughput: 949.62 Mbit/s

95th percentile per-packet one-way delay: 229.816 ms

Loss rate: 1.20%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-27 07:57:54

End at: 2018-02-27 07:58:24

Below is generated by plot.py at 2018-02-27 12:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 961.91 Mbit/s

95th percentile per-packet one-way delay: 116.700 ms

Loss rate: 0.78%

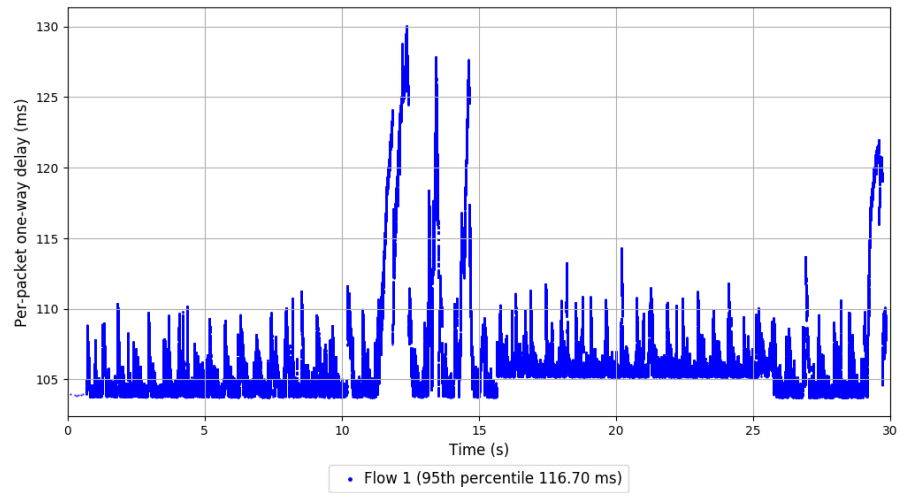
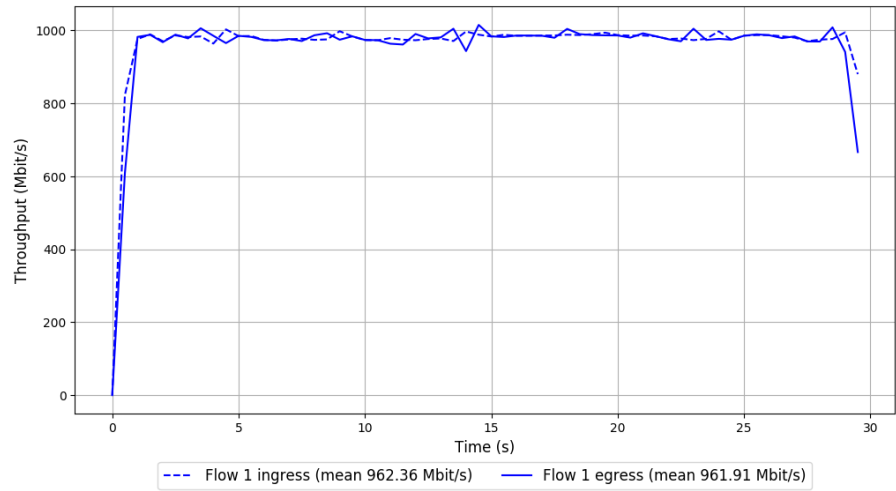
-- Flow 1:

Average throughput: 961.91 Mbit/s

95th percentile per-packet one-way delay: 116.700 ms

Loss rate: 0.78%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-27 08:13:42

End at: 2018-02-27 08:14:12

Below is generated by plot.py at 2018-02-27 12:27:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 918.87 Mbit/s

95th percentile per-packet one-way delay: 290.169 ms

Loss rate: 1.61%

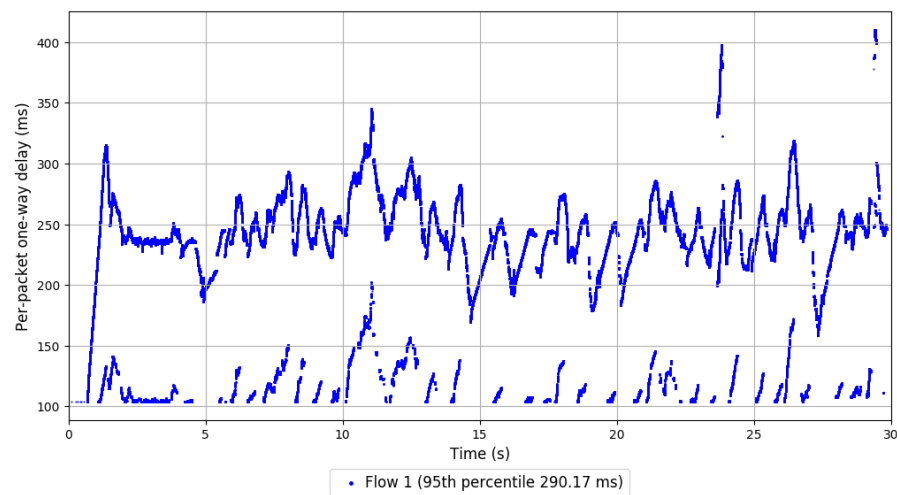
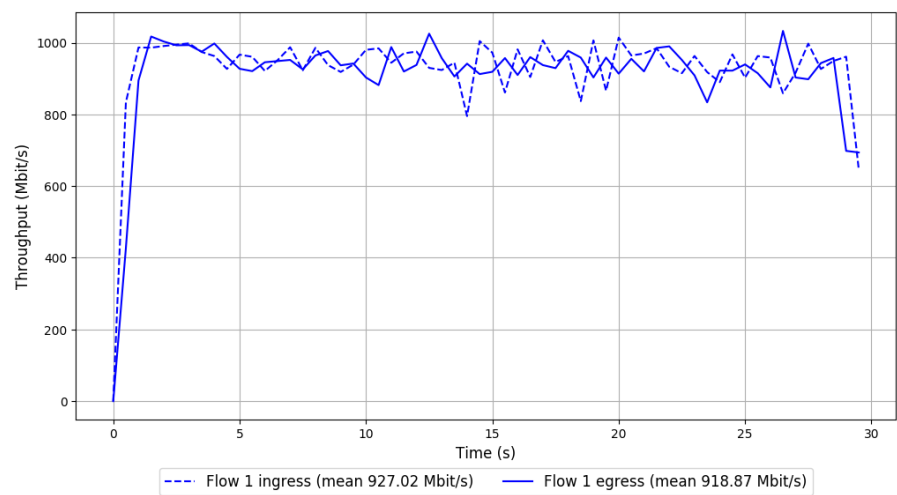
-- Flow 1:

Average throughput: 918.87 Mbit/s

95th percentile per-packet one-way delay: 290.169 ms

Loss rate: 1.61%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-27 08:29:42

End at: 2018-02-27 08:30:12

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 926.55 Mbit/s

95th percentile per-packet one-way delay: 280.668 ms

Loss rate: 1.25%

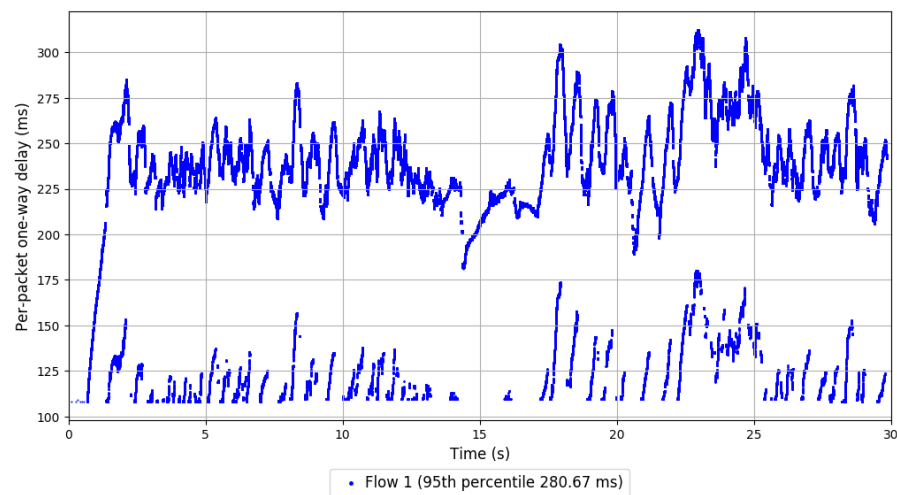
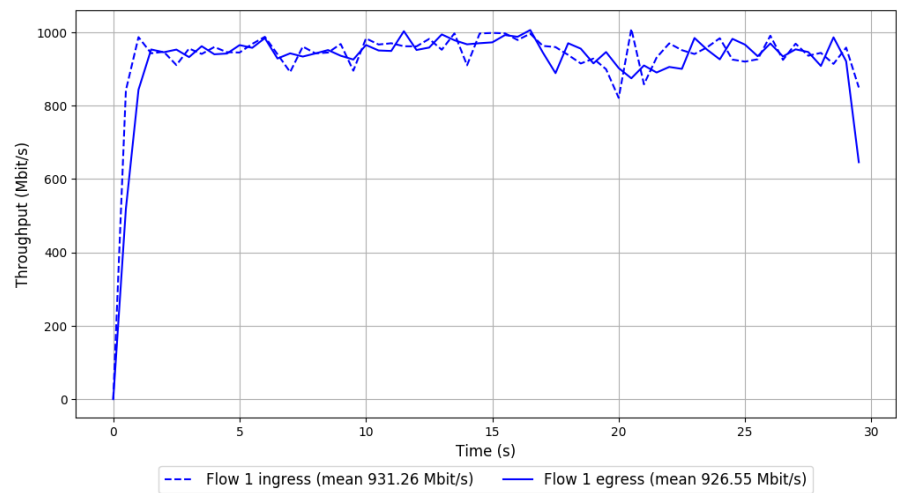
-- Flow 1:

Average throughput: 926.55 Mbit/s

95th percentile per-packet one-way delay: 280.668 ms

Loss rate: 1.25%

Run 10: Report of FillP — Data Link

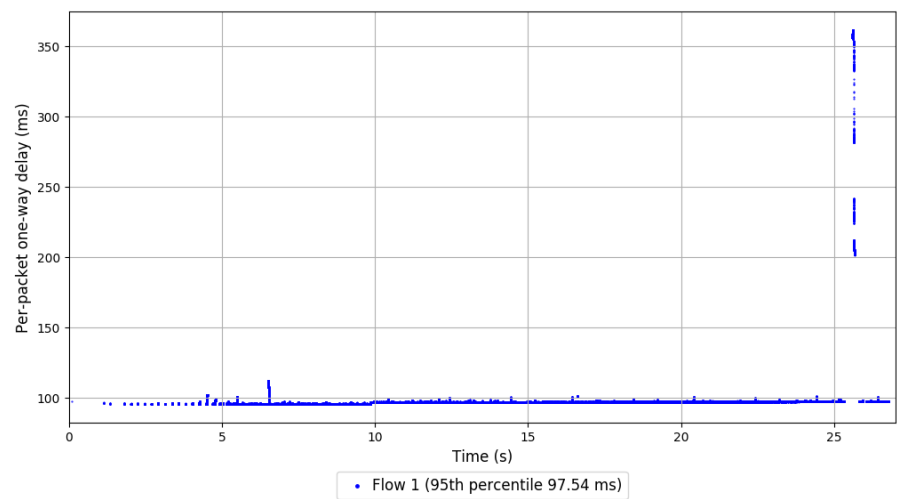
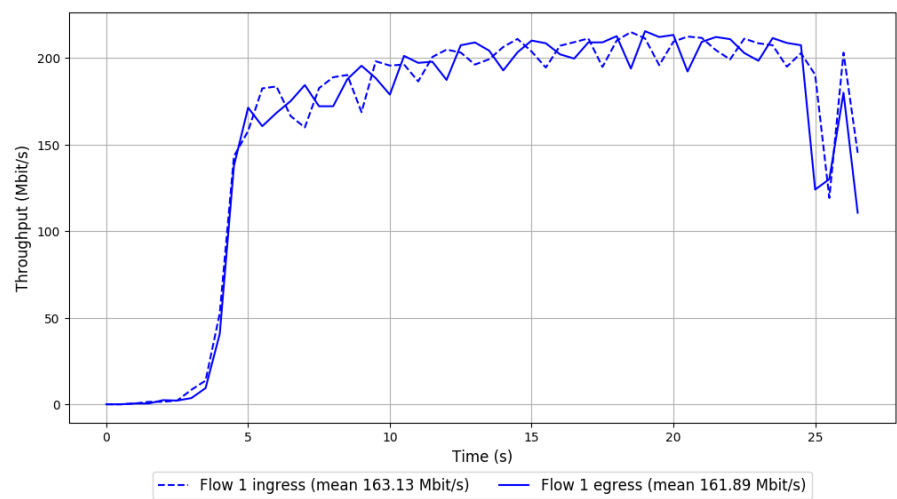


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-27 06:10:27
End at: 2018-02-27 06:10:57

# Below is generated by plot.py at 2018-02-27 12:27:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.89 Mbit/s
95th percentile per-packet one-way delay: 97.541 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 161.89 Mbit/s
95th percentile per-packet one-way delay: 97.541 ms
Loss rate: 1.58%
```

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

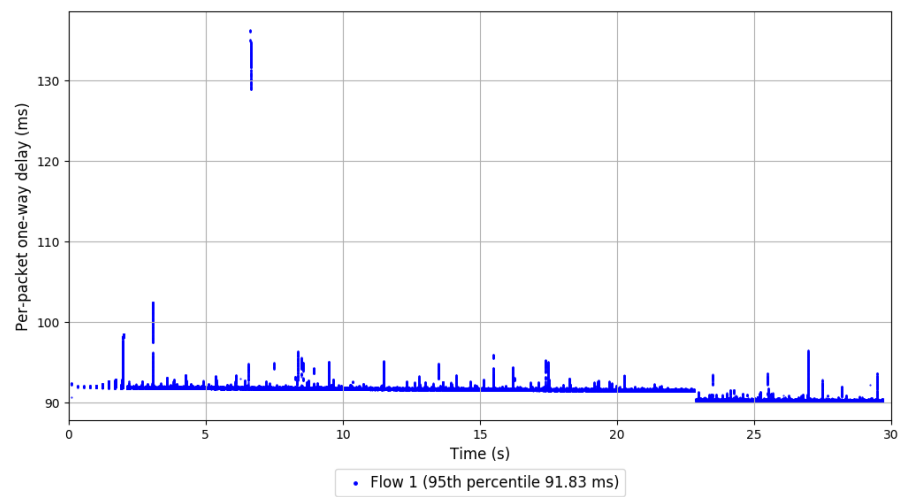
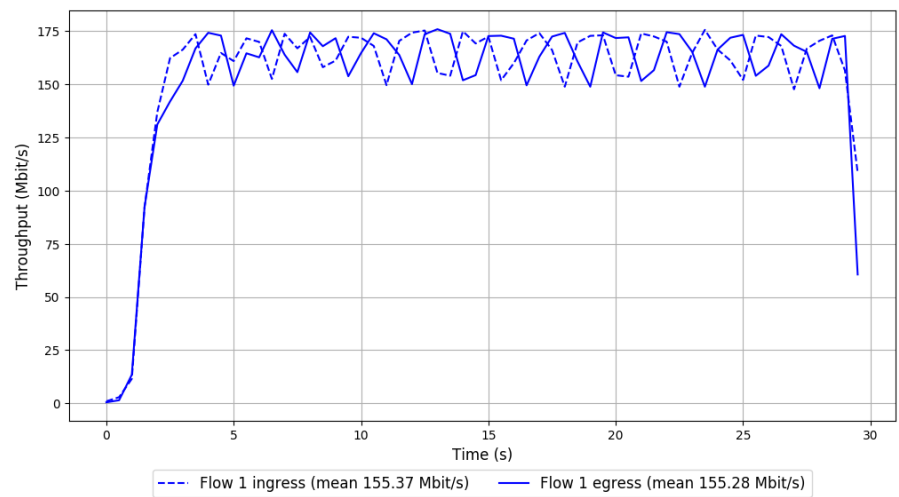


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-02-27 06:26:07
End at: 2018-02-27 06:26:37

# Below is generated by plot.py at 2018-02-27 12:27:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.28 Mbit/s
95th percentile per-packet one-way delay: 91.829 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 155.28 Mbit/s
95th percentile per-packet one-way delay: 91.829 ms
Loss rate: 0.81%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-27 06:41:58

End at: 2018-02-27 06:42:28

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.71 Mbit/s

95th percentile per-packet one-way delay: 95.261 ms

Loss rate: 0.75%

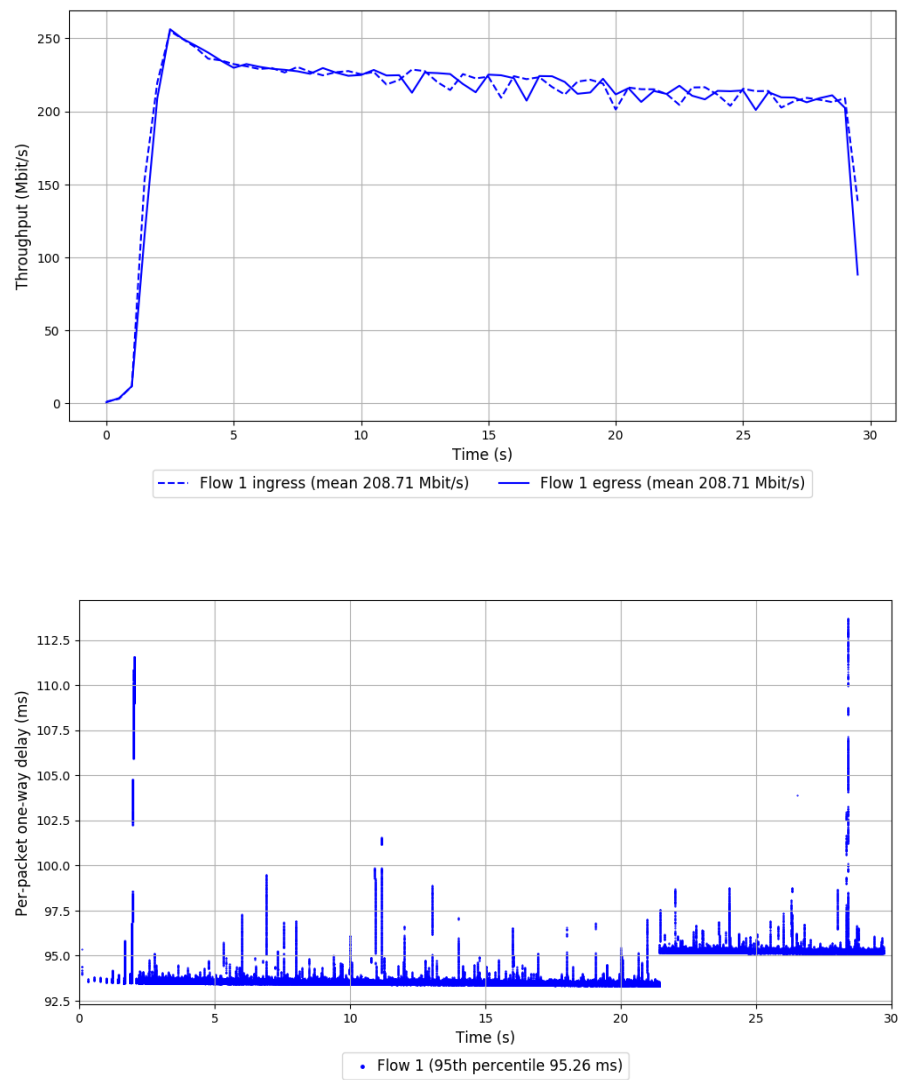
-- Flow 1:

Average throughput: 208.71 Mbit/s

95th percentile per-packet one-way delay: 95.261 ms

Loss rate: 0.75%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-27 06:57:55

End at: 2018-02-27 06:58:25

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.23 Mbit/s

95th percentile per-packet one-way delay: 84.297 ms

Loss rate: 0.76%

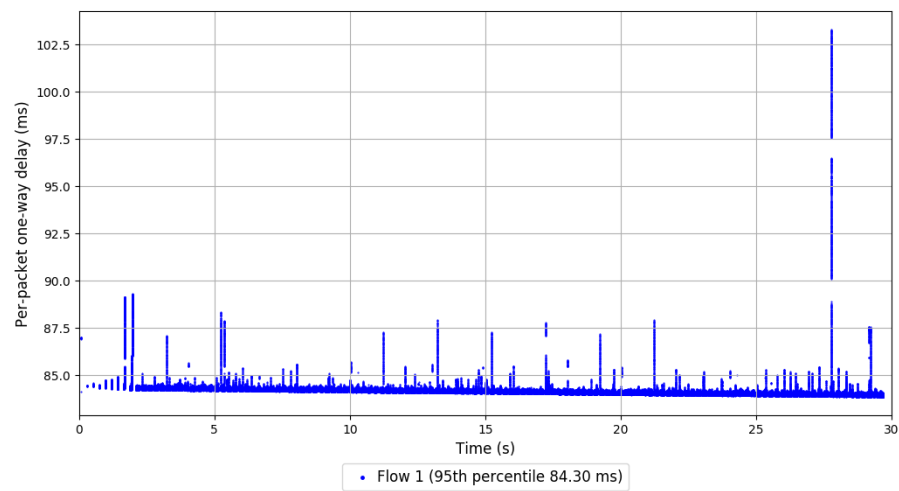
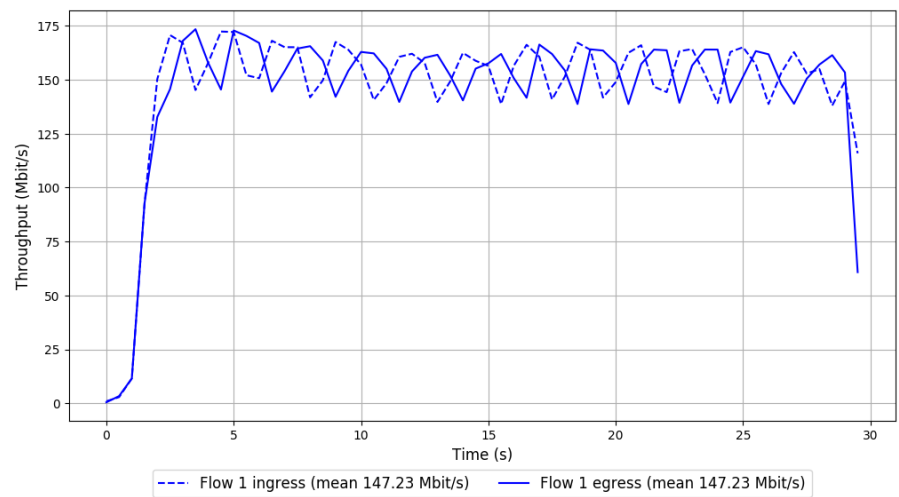
-- Flow 1:

Average throughput: 147.23 Mbit/s

95th percentile per-packet one-way delay: 84.297 ms

Loss rate: 0.76%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-27 07:13:27

End at: 2018-02-27 07:13:57

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.34 Mbit/s

95th percentile per-packet one-way delay: 99.935 ms

Loss rate: 0.76%

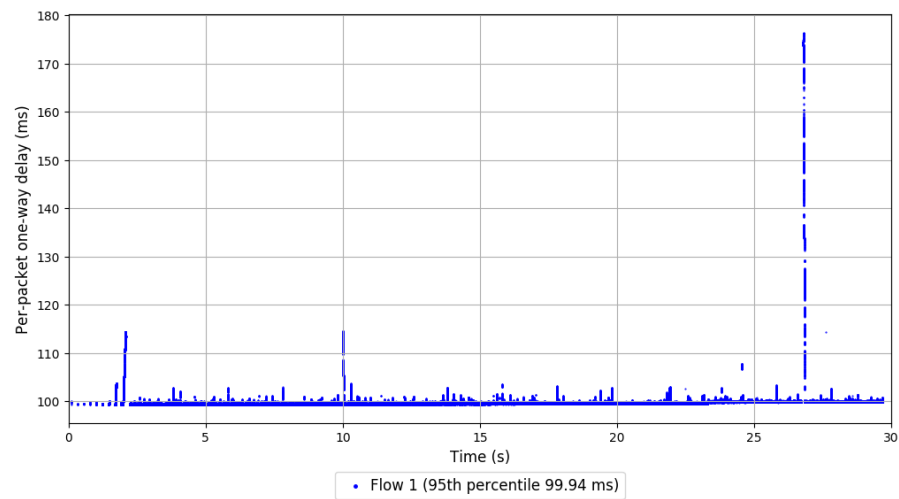
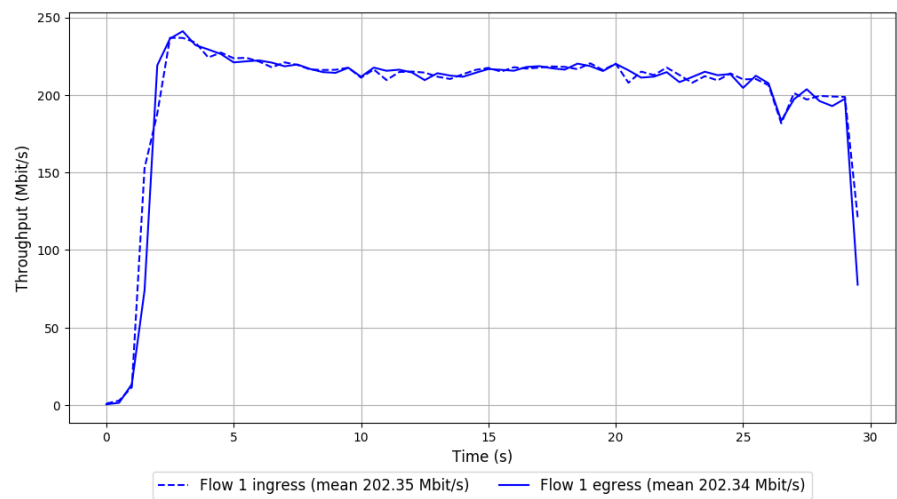
-- Flow 1:

Average throughput: 202.34 Mbit/s

95th percentile per-packet one-way delay: 99.935 ms

Loss rate: 0.76%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-27 07:28:58

End at: 2018-02-27 07:29:28

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.55 Mbit/s

95th percentile per-packet one-way delay: 99.388 ms

Loss rate: 0.80%

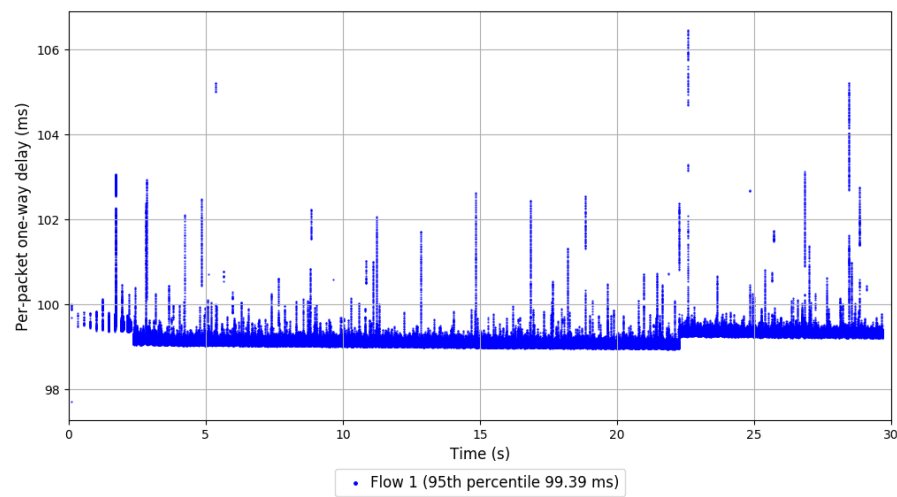
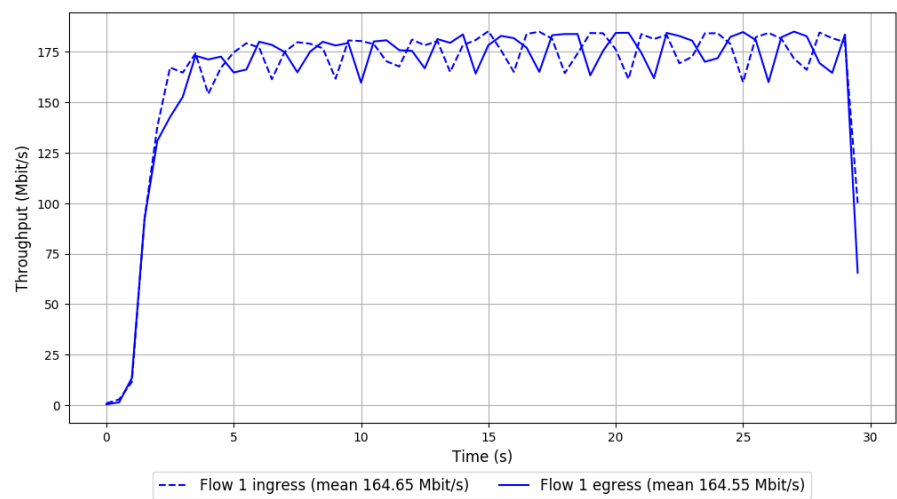
-- Flow 1:

Average throughput: 164.55 Mbit/s

95th percentile per-packet one-way delay: 99.388 ms

Loss rate: 0.80%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-27 07:44:47

End at: 2018-02-27 07:45:17

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.14 Mbit/s

95th percentile per-packet one-way delay: 105.044 ms

Loss rate: 1.76%

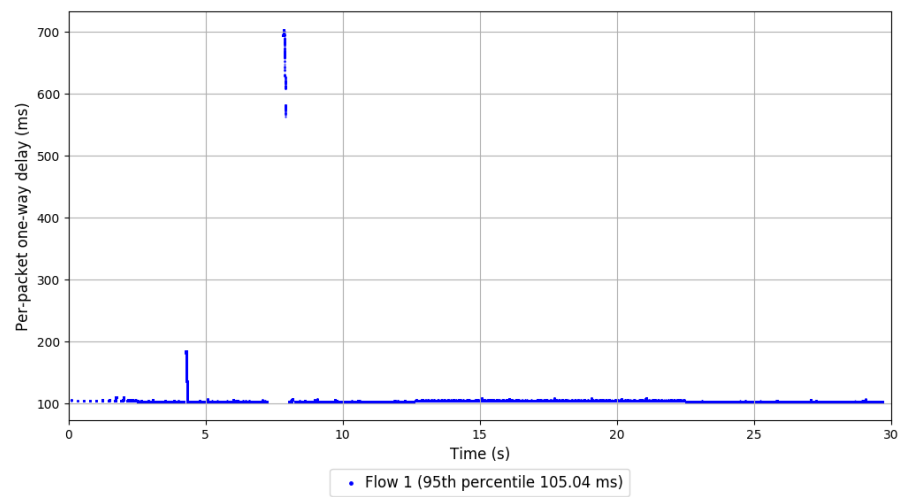
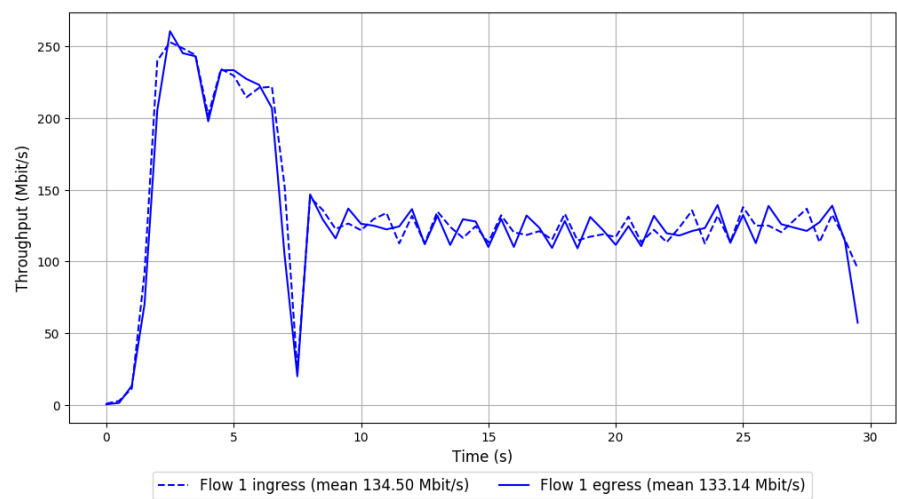
-- Flow 1:

Average throughput: 133.14 Mbit/s

95th percentile per-packet one-way delay: 105.044 ms

Loss rate: 1.76%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-27 08:00:12

End at: 2018-02-27 08:00:42

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.71 Mbit/s

95th percentile per-packet one-way delay: 106.220 ms

Loss rate: 0.78%

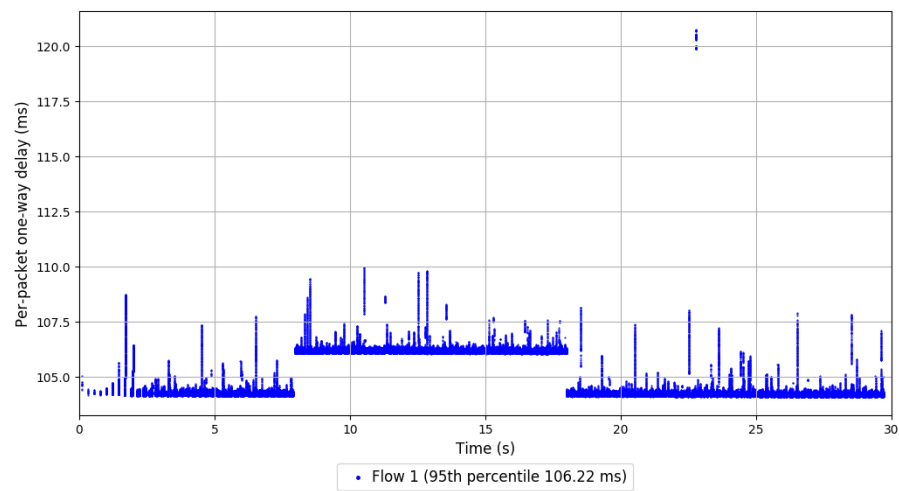
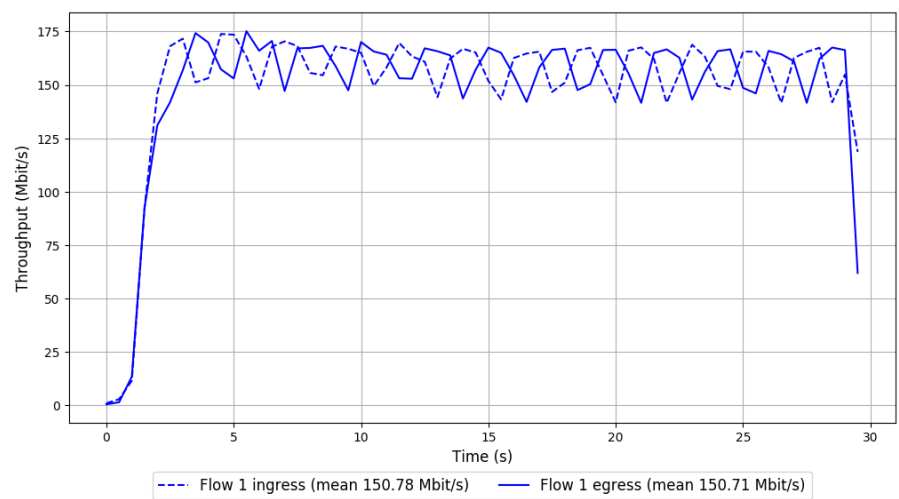
-- Flow 1:

Average throughput: 150.71 Mbit/s

95th percentile per-packet one-way delay: 106.220 ms

Loss rate: 0.78%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-27 08:16:02

End at: 2018-02-27 08:16:32

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.41 Mbit/s

95th percentile per-packet one-way delay: 107.608 ms

Loss rate: 0.77%

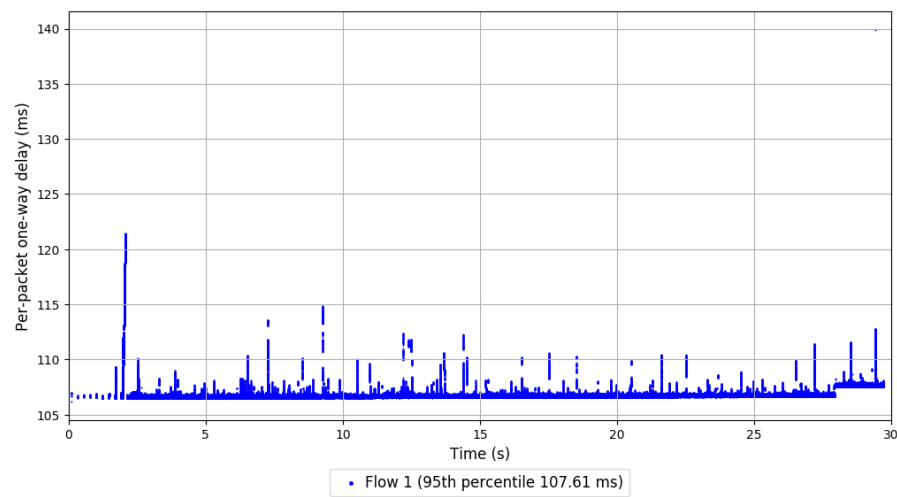
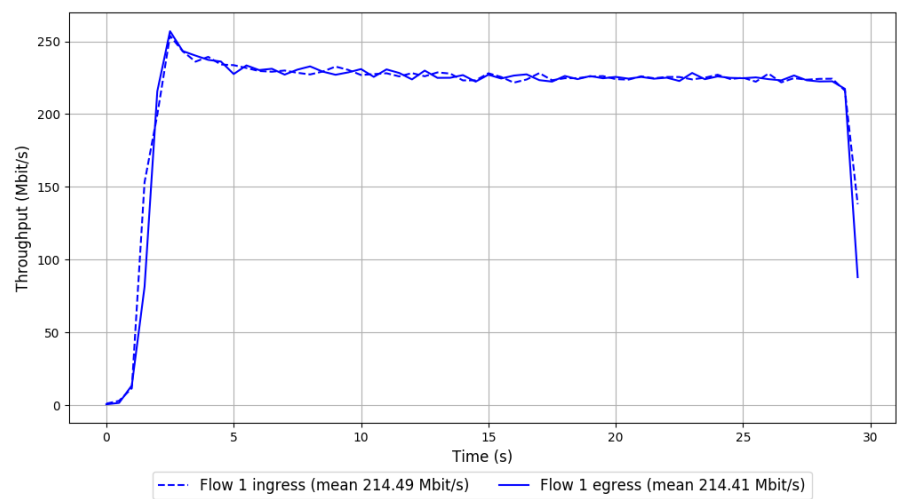
-- Flow 1:

Average throughput: 214.41 Mbit/s

95th percentile per-packet one-way delay: 107.608 ms

Loss rate: 0.77%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-27 08:32:04

End at: 2018-02-27 08:32:34

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.42 Mbit/s

95th percentile per-packet one-way delay: 110.043 ms

Loss rate: 0.74%

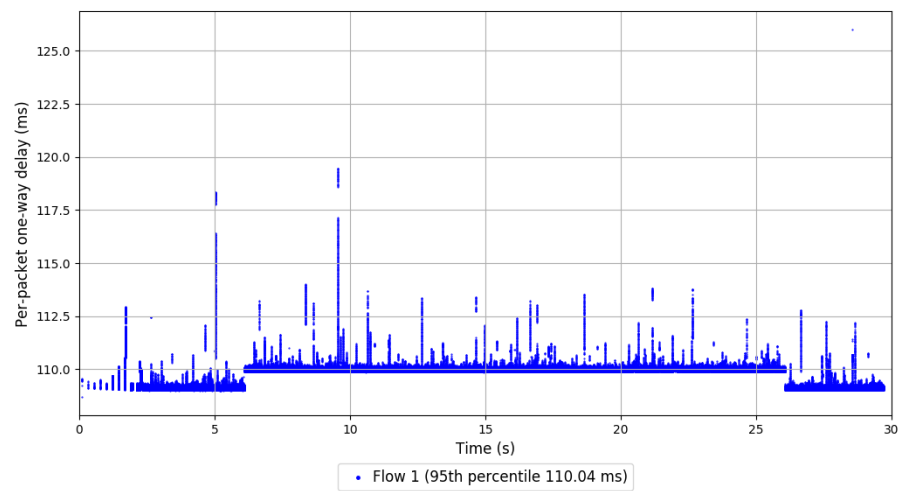
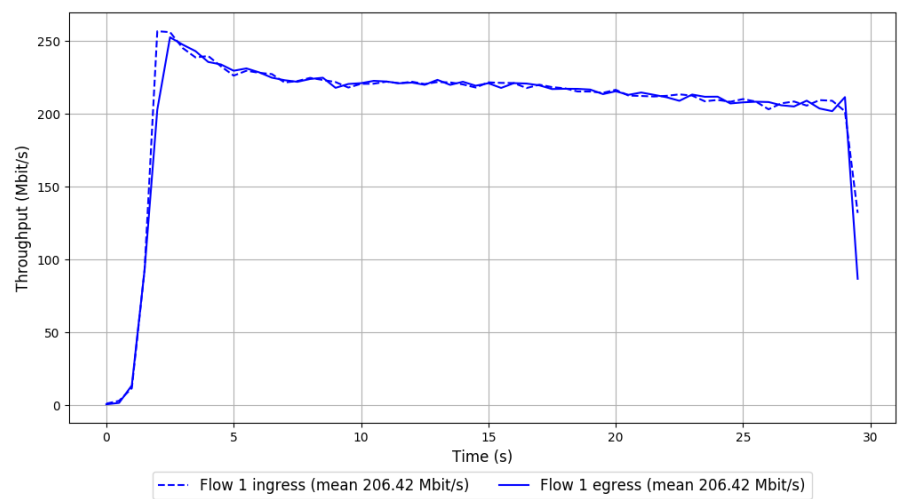
-- Flow 1:

Average throughput: 206.42 Mbit/s

95th percentile per-packet one-way delay: 110.043 ms

Loss rate: 0.74%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-27 06:13:46

End at: 2018-02-27 06:14:16

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.47 Mbit/s

95th percentile per-packet one-way delay: 126.448 ms

Loss rate: 1.00%

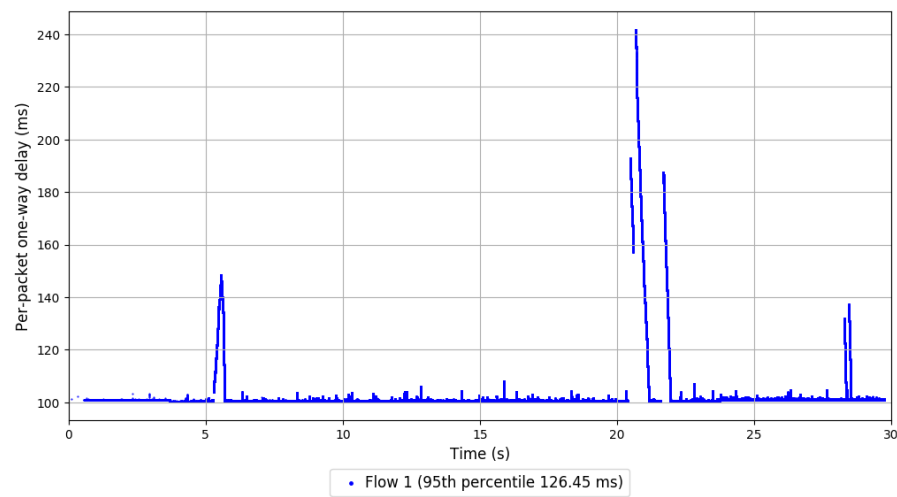
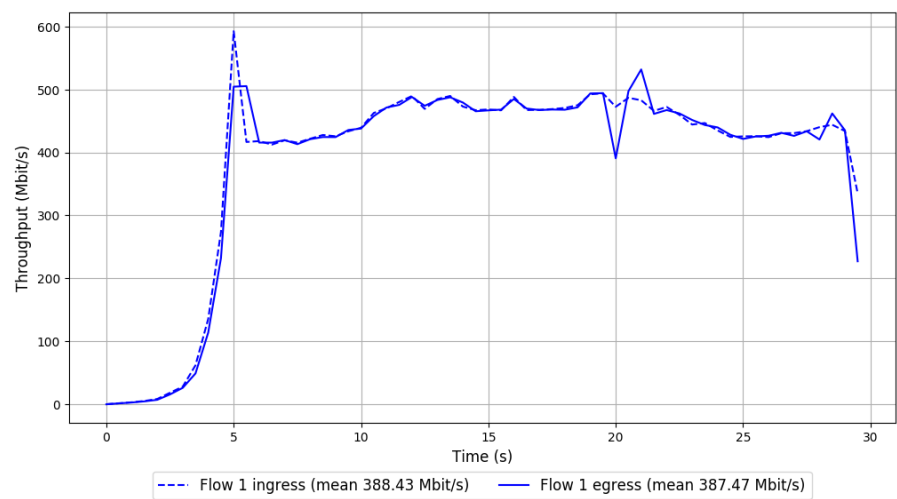
-- Flow 1:

Average throughput: 387.47 Mbit/s

95th percentile per-packet one-way delay: 126.448 ms

Loss rate: 1.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-27 06:29:27

End at: 2018-02-27 06:29:57

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.08 Mbit/s

95th percentile per-packet one-way delay: 95.553 ms

Loss rate: 0.89%

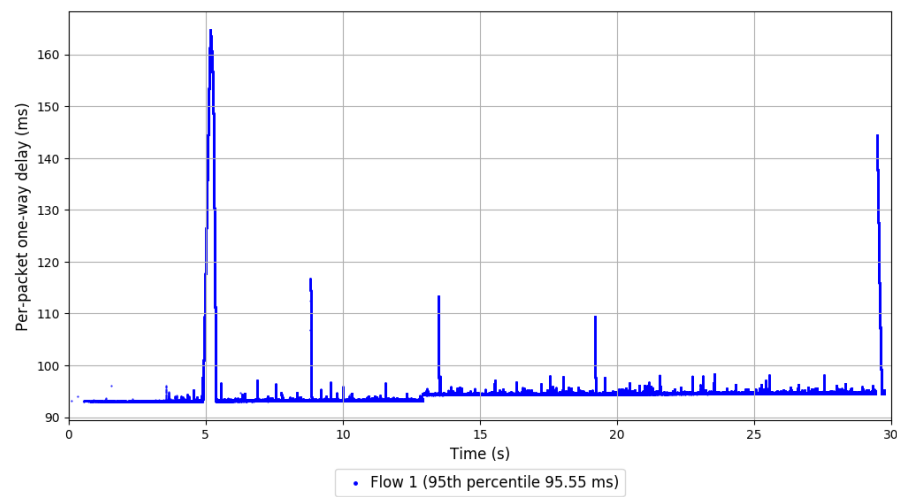
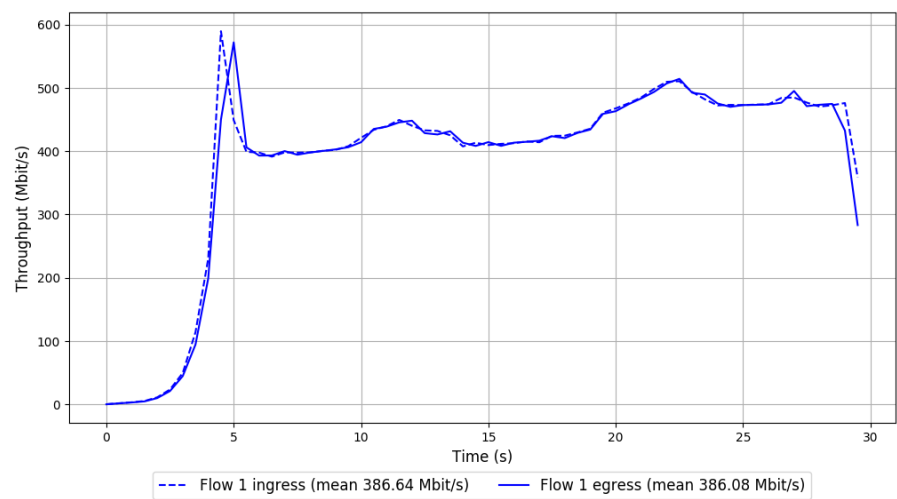
-- Flow 1:

Average throughput: 386.08 Mbit/s

95th percentile per-packet one-way delay: 95.553 ms

Loss rate: 0.89%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-27 06:45:21

End at: 2018-02-27 06:45:51

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.34 Mbit/s

95th percentile per-packet one-way delay: 95.659 ms

Loss rate: 0.78%

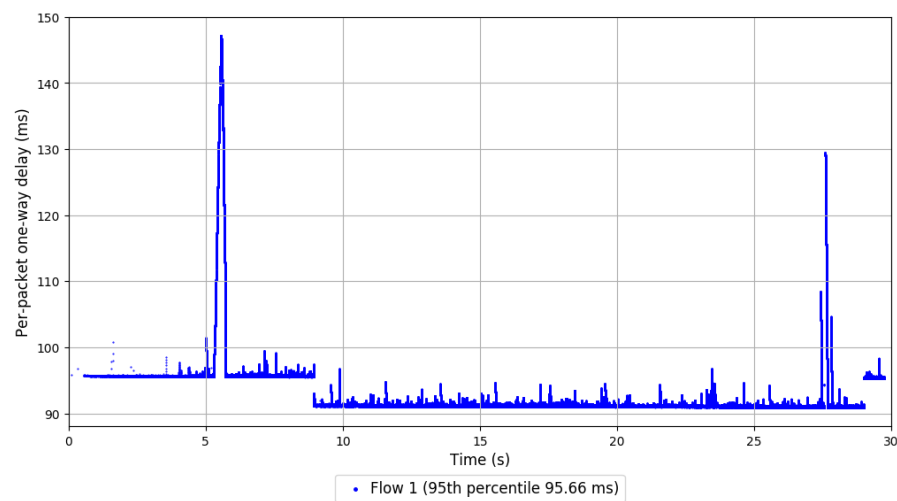
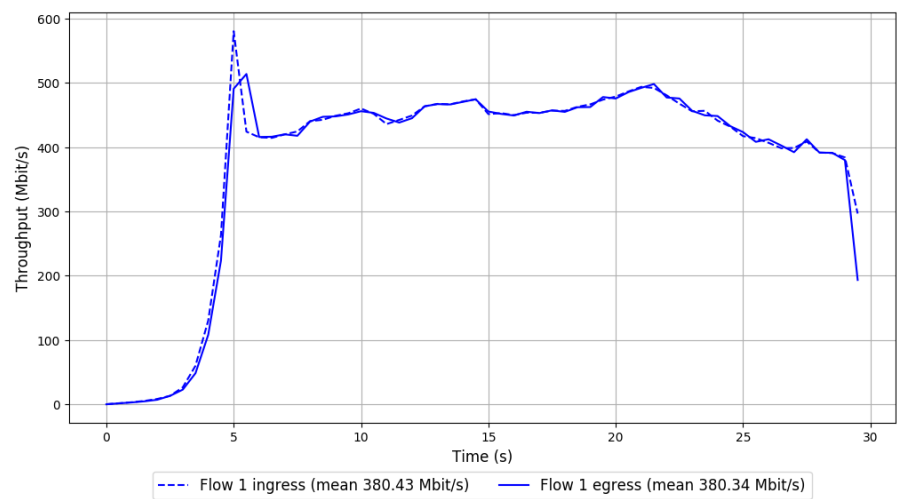
-- Flow 1:

Average throughput: 380.34 Mbit/s

95th percentile per-packet one-way delay: 95.659 ms

Loss rate: 0.78%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-27 07:01:11

End at: 2018-02-27 07:01:41

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.62 Mbit/s

95th percentile per-packet one-way delay: 82.337 ms

Loss rate: 0.84%

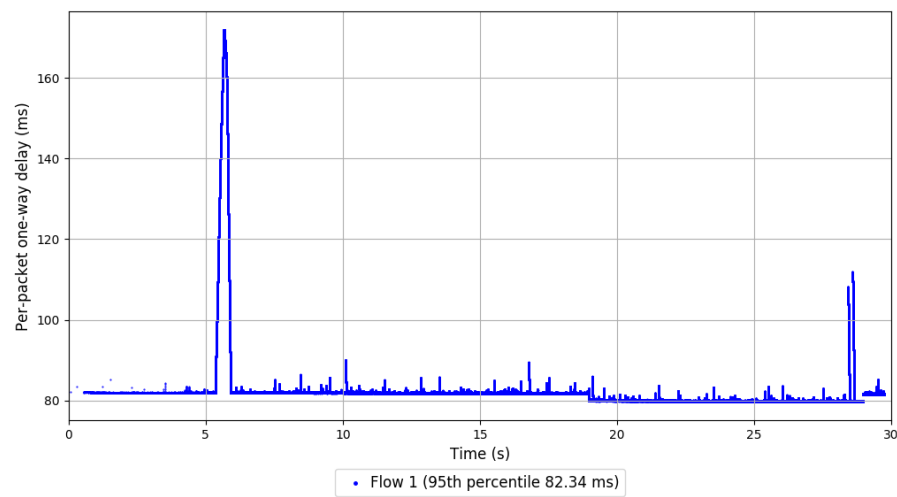
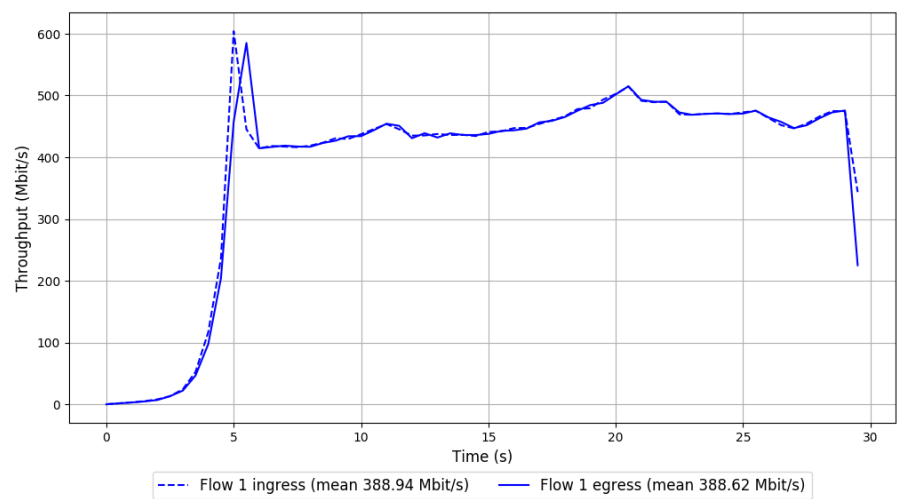
-- Flow 1:

Average throughput: 388.62 Mbit/s

95th percentile per-packet one-way delay: 82.337 ms

Loss rate: 0.84%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-27 07:16:46

End at: 2018-02-27 07:17:16

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.32 Mbit/s

95th percentile per-packet one-way delay: 118.292 ms

Loss rate: 4.13%

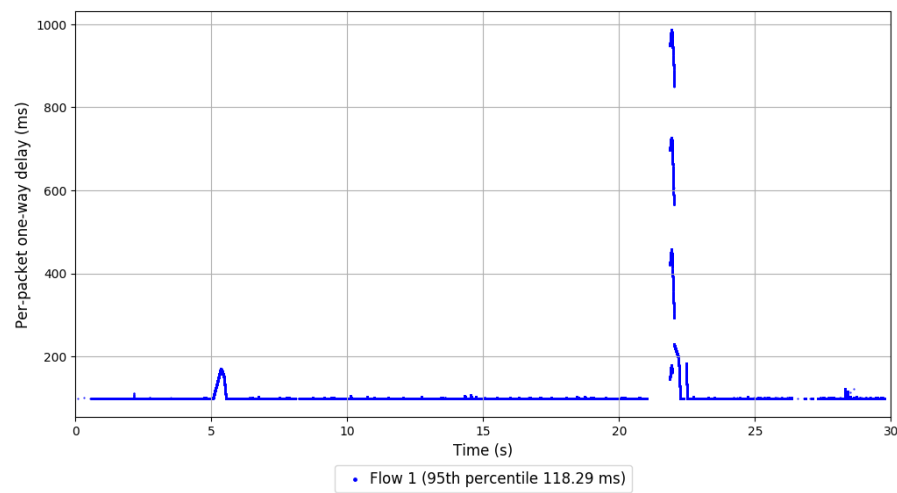
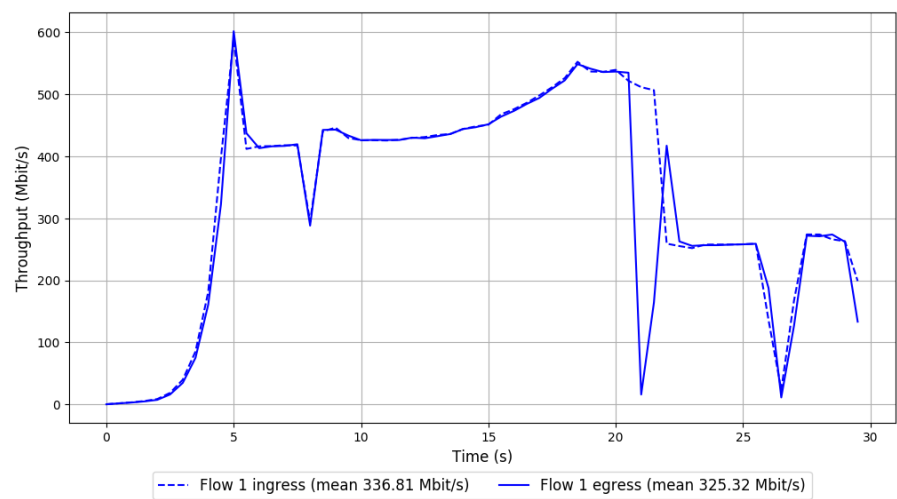
-- Flow 1:

Average throughput: 325.32 Mbit/s

95th percentile per-packet one-way delay: 118.292 ms

Loss rate: 4.13%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-27 07:32:21

End at: 2018-02-27 07:32:51

Below is generated by plot.py at 2018-02-27 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.08 Mbit/s

95th percentile per-packet one-way delay: 98.525 ms

Loss rate: 0.85%

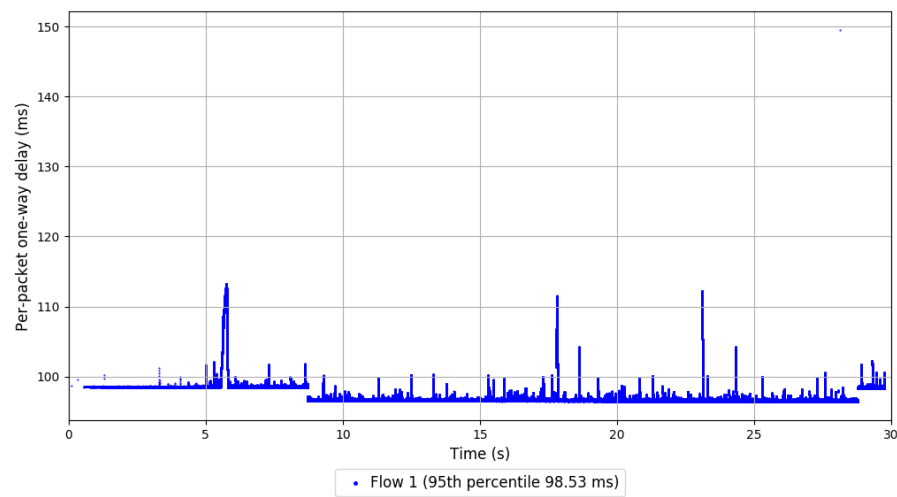
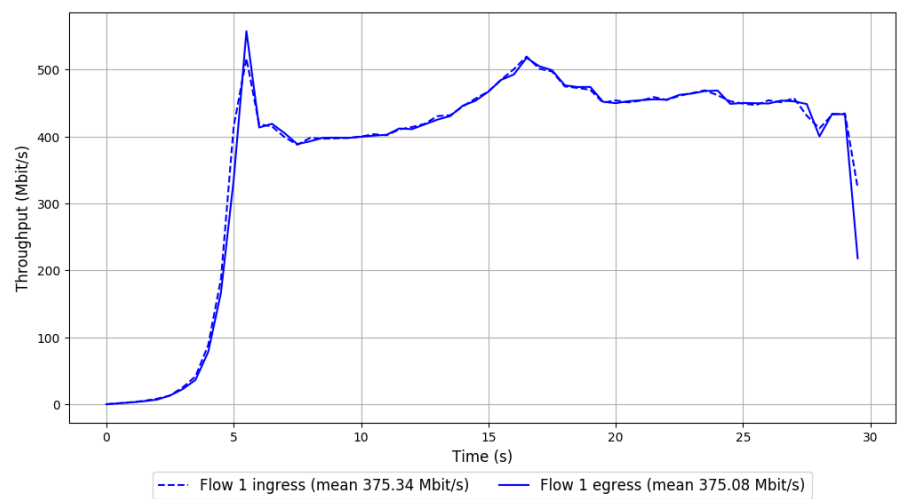
-- Flow 1:

Average throughput: 375.08 Mbit/s

95th percentile per-packet one-way delay: 98.525 ms

Loss rate: 0.85%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-27 07:48:03

End at: 2018-02-27 07:48:33

Below is generated by plot.py at 2018-02-27 12:29:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.44 Mbit/s

95th percentile per-packet one-way delay: 107.339 ms

Loss rate: 0.49%

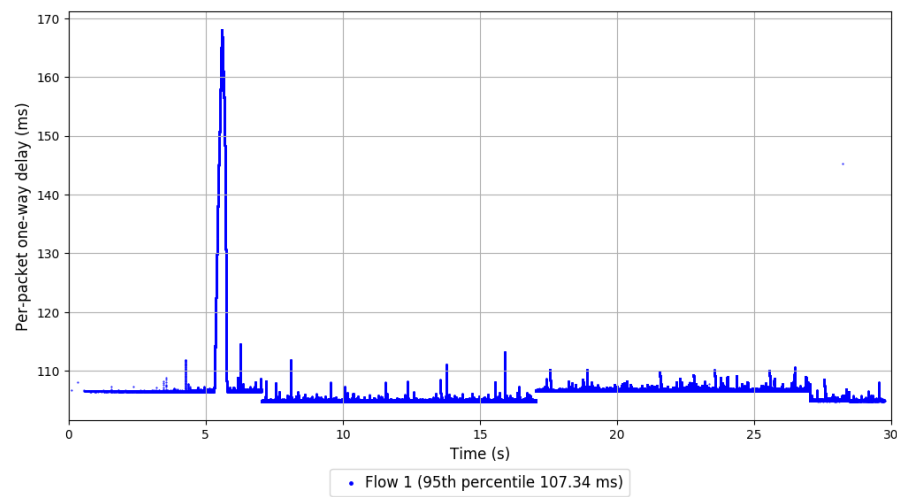
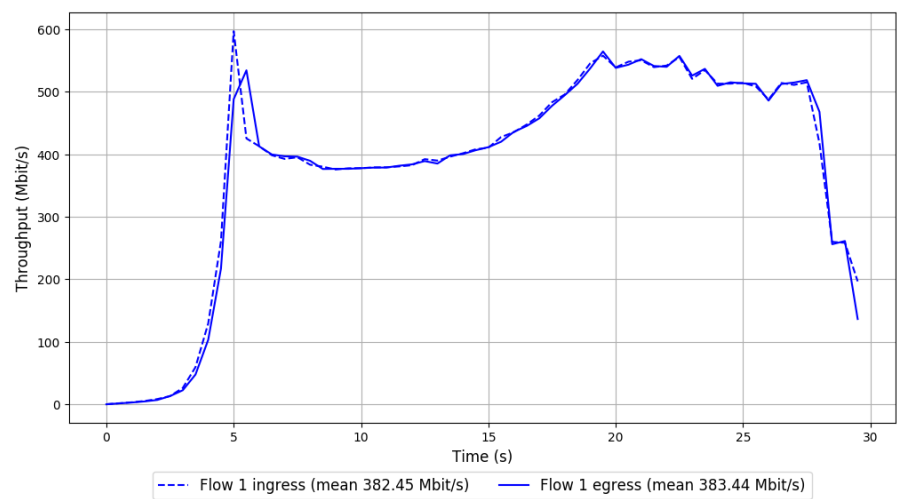
-- Flow 1:

Average throughput: 383.44 Mbit/s

95th percentile per-packet one-way delay: 107.339 ms

Loss rate: 0.49%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-27 08:03:27

End at: 2018-02-27 08:03:57

Below is generated by plot.py at 2018-02-27 12:29:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.14 Mbit/s

95th percentile per-packet one-way delay: 106.957 ms

Loss rate: 0.87%

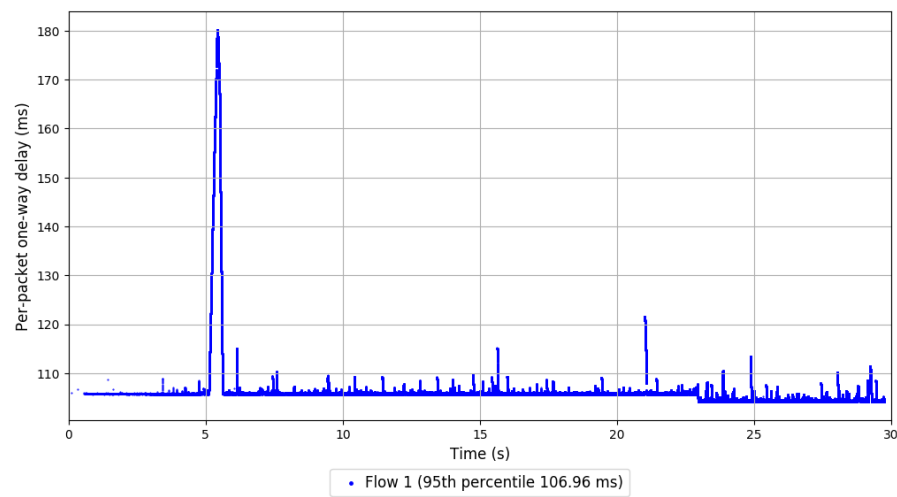
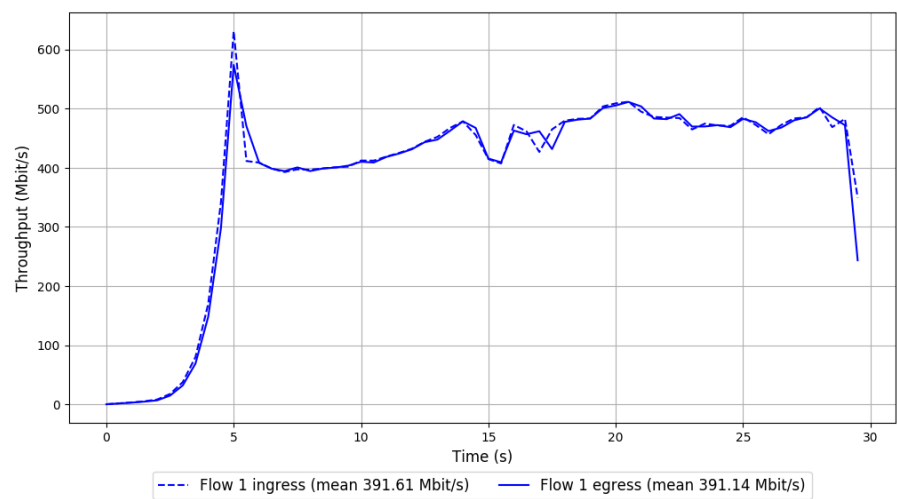
-- Flow 1:

Average throughput: 391.14 Mbit/s

95th percentile per-packet one-way delay: 106.957 ms

Loss rate: 0.87%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-27 08:19:28

End at: 2018-02-27 08:19:59

Below is generated by plot.py at 2018-02-27 12:29:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.68 Mbit/s

95th percentile per-packet one-way delay: 110.856 ms

Loss rate: 0.86%

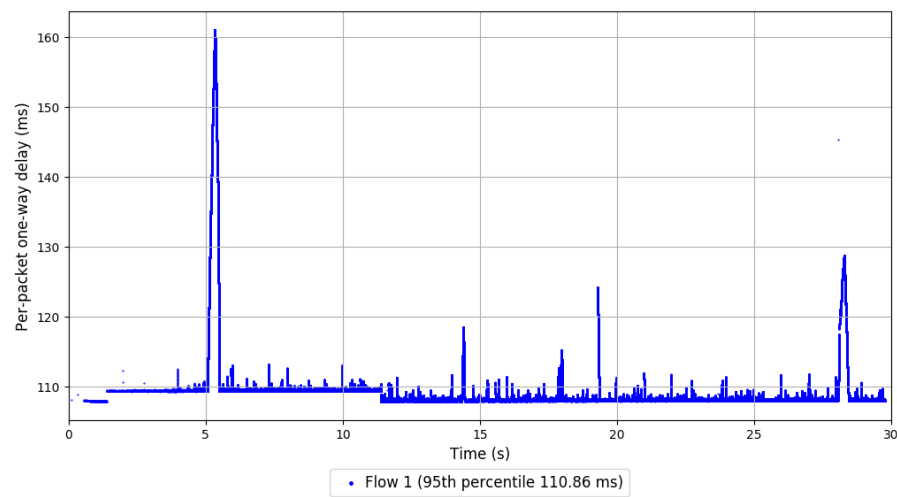
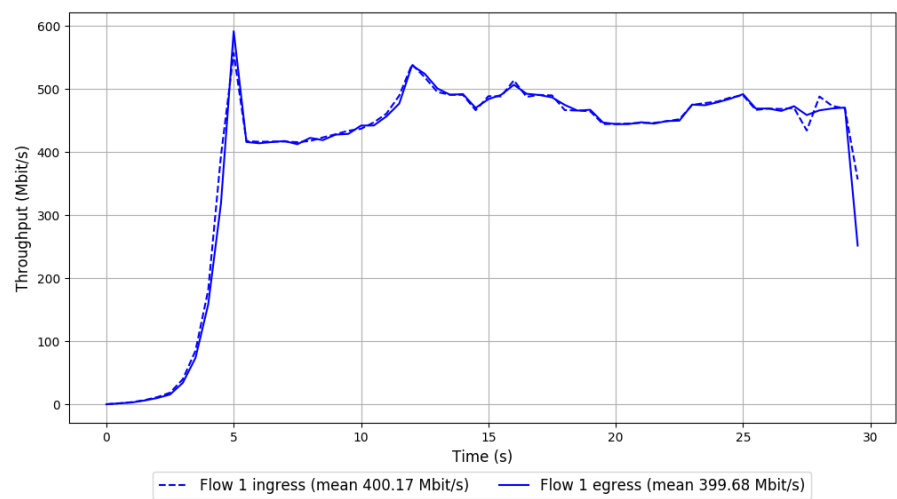
-- Flow 1:

Average throughput: 399.68 Mbit/s

95th percentile per-packet one-way delay: 110.856 ms

Loss rate: 0.86%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-27 08:35:29

End at: 2018-02-27 08:35:59

Below is generated by plot.py at 2018-02-27 12:29:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.13 Mbit/s

95th percentile per-packet one-way delay: 110.150 ms

Loss rate: 0.99%

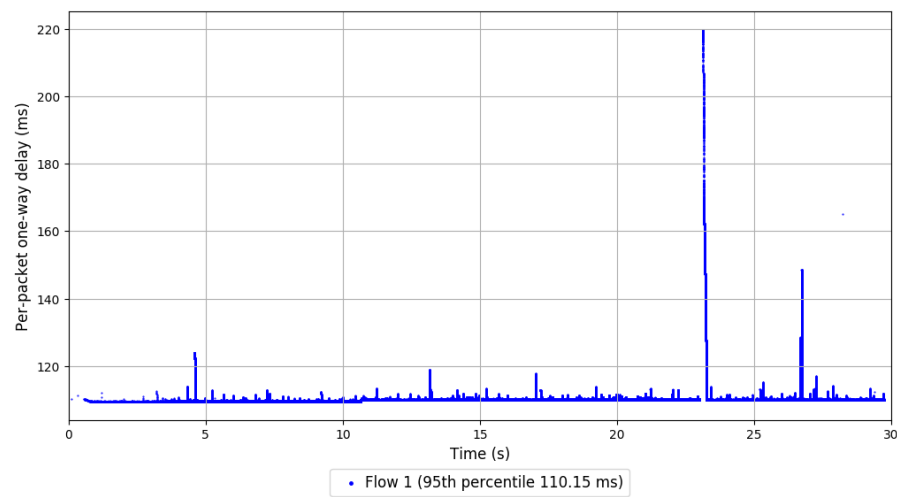
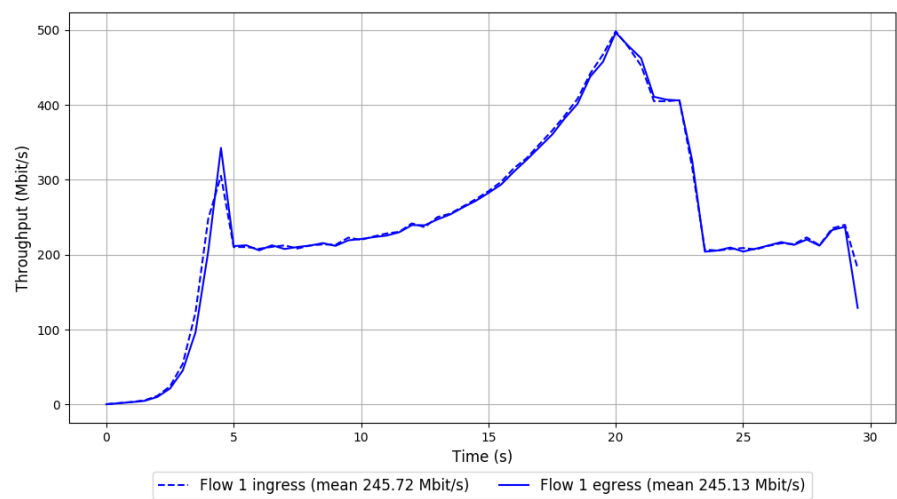
-- Flow 1:

Average throughput: 245.13 Mbit/s

95th percentile per-packet one-way delay: 110.150 ms

Loss rate: 0.99%

Run 10: Report of Vivace-latency — Data Link

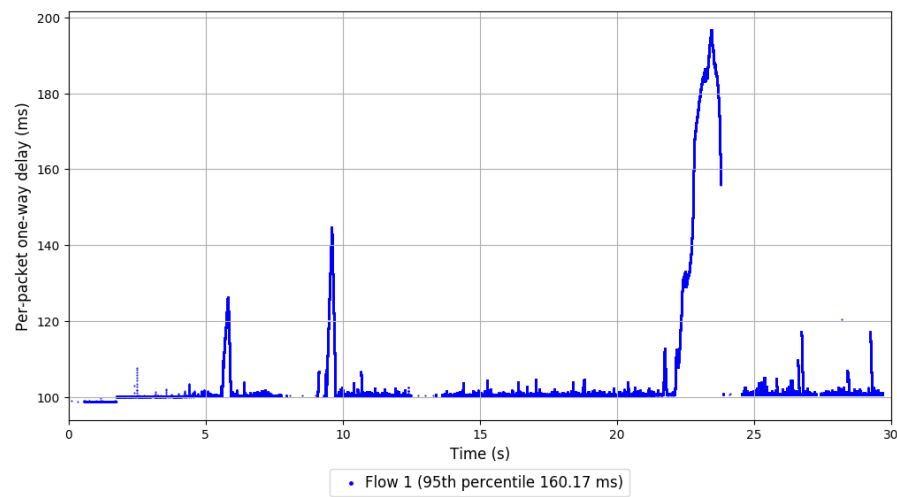
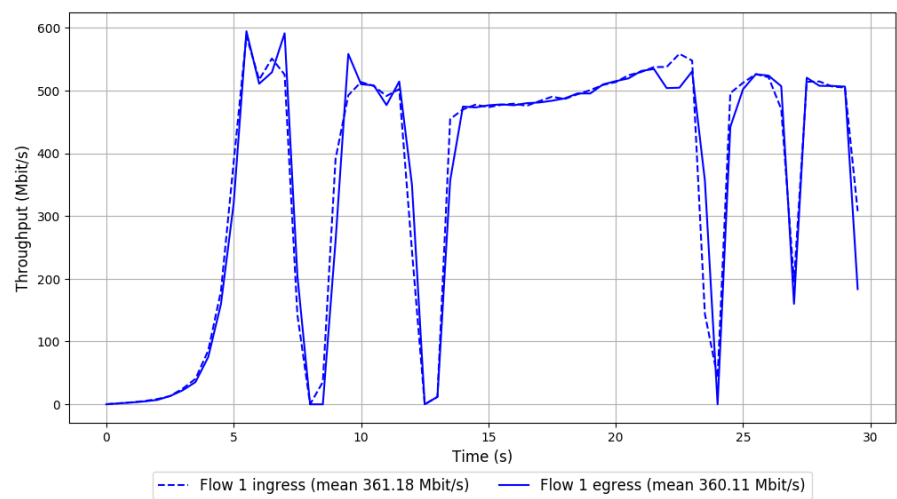


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-27 06:11:18
End at: 2018-02-27 06:11:48

# Below is generated by plot.py at 2018-02-27 12:30:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.11 Mbit/s
95th percentile per-packet one-way delay: 160.173 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 360.11 Mbit/s
95th percentile per-packet one-way delay: 160.173 ms
Loss rate: 1.05%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-27 06:26:58

End at: 2018-02-27 06:27:28

Below is generated by plot.py at 2018-02-27 12:32:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.43 Mbit/s

95th percentile per-packet one-way delay: 147.244 ms

Loss rate: 0.67%

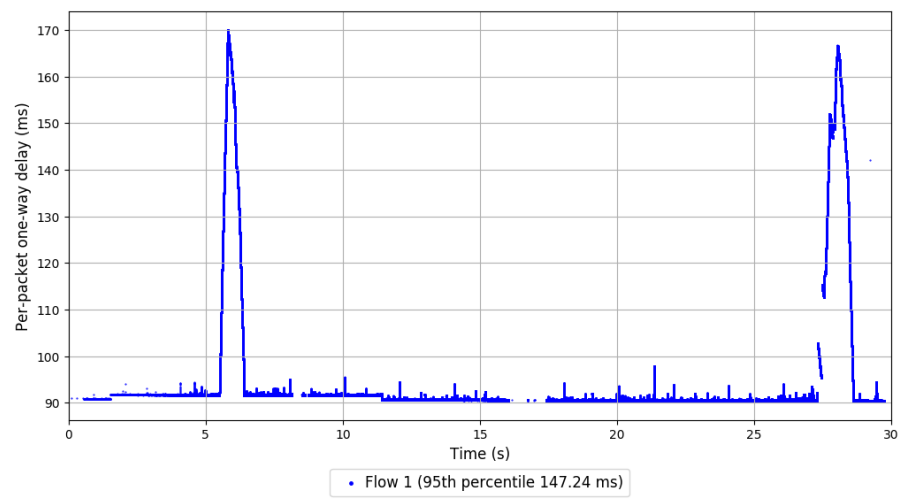
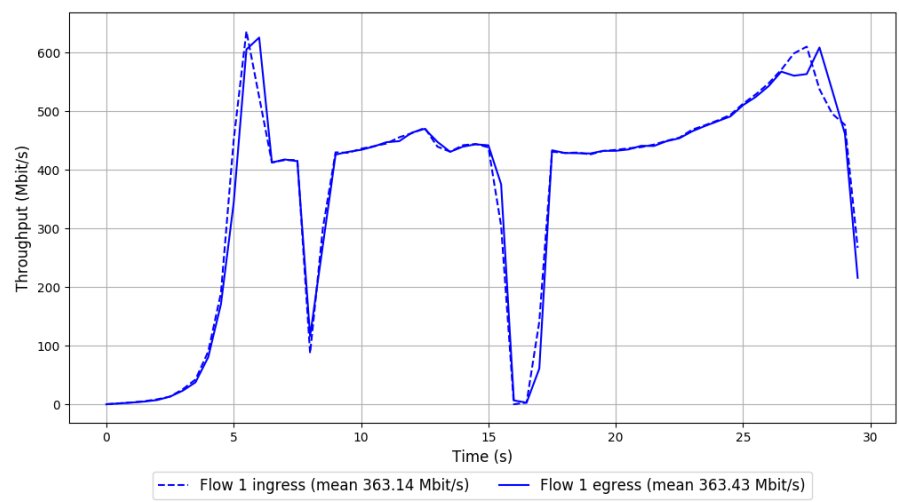
-- Flow 1:

Average throughput: 363.43 Mbit/s

95th percentile per-packet one-way delay: 147.244 ms

Loss rate: 0.67%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-27 06:42:54

End at: 2018-02-27 06:43:24

Below is generated by plot.py at 2018-02-27 12:33:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.16 Mbit/s

95th percentile per-packet one-way delay: 119.403 ms

Loss rate: 1.66%

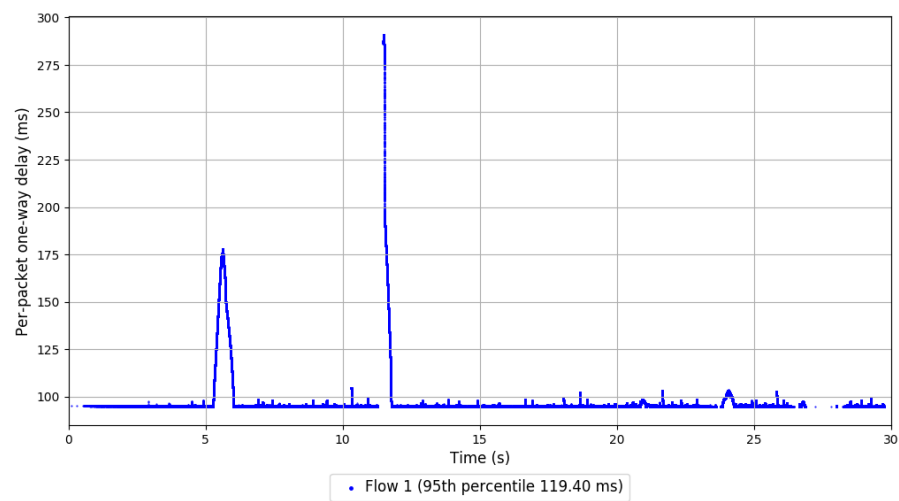
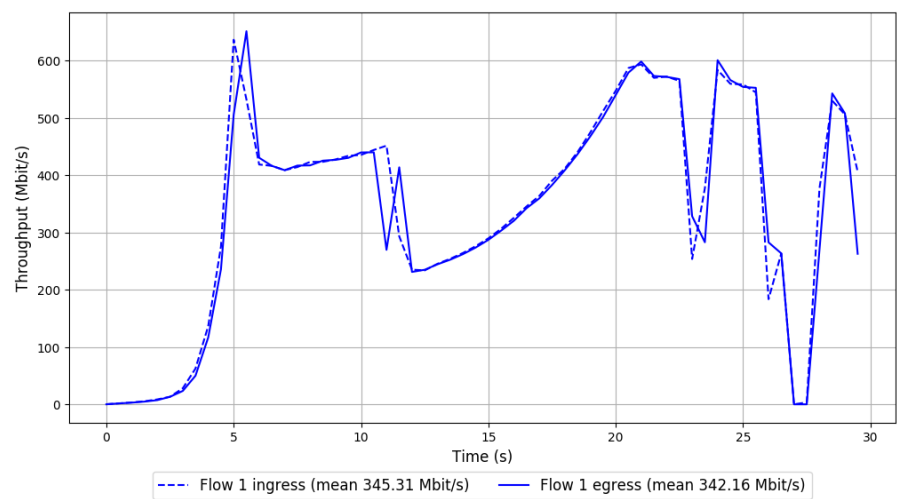
-- Flow 1:

Average throughput: 342.16 Mbit/s

95th percentile per-packet one-way delay: 119.403 ms

Loss rate: 1.66%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-27 06:58:46

End at: 2018-02-27 06:59:16

Below is generated by plot.py at 2018-02-27 12:33:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.22 Mbit/s

95th percentile per-packet one-way delay: 110.414 ms

Loss rate: 1.45%

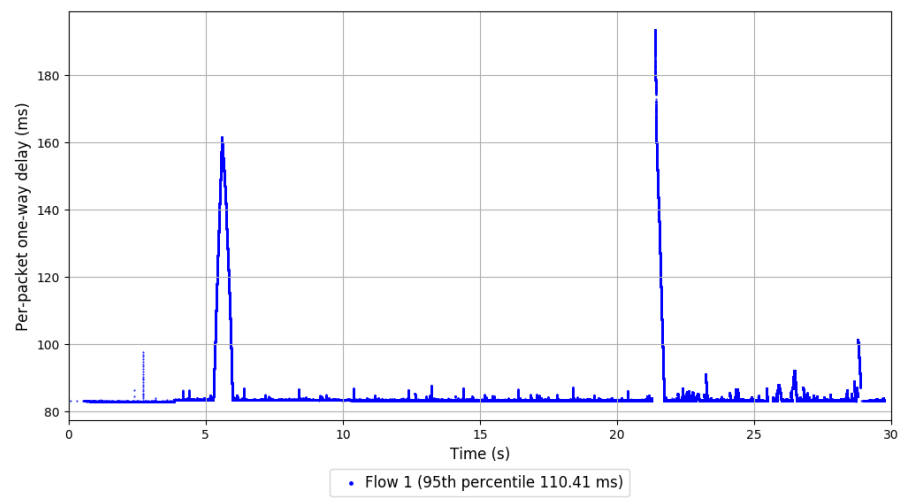
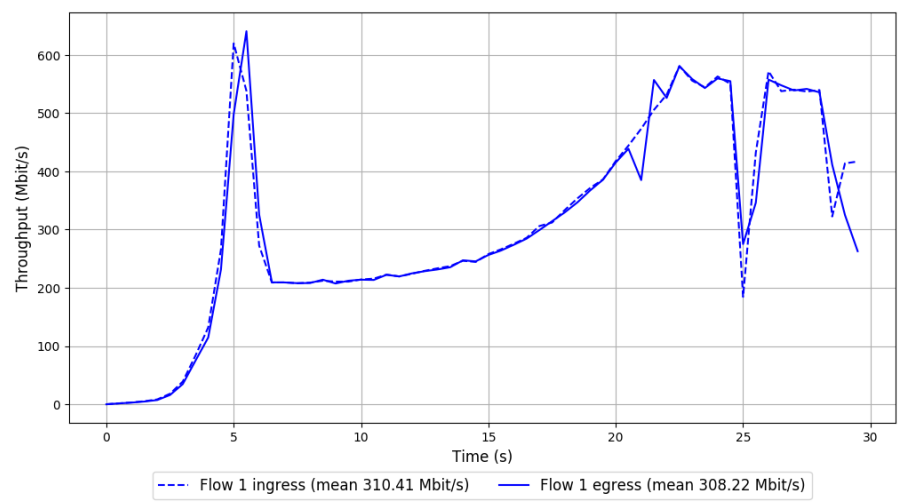
-- Flow 1:

Average throughput: 308.22 Mbit/s

95th percentile per-packet one-way delay: 110.414 ms

Loss rate: 1.45%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-27 07:14:21

End at: 2018-02-27 07:14:51

Below is generated by plot.py at 2018-02-27 12:33:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.49 Mbit/s

95th percentile per-packet one-way delay: 99.549 ms

Loss rate: 1.18%

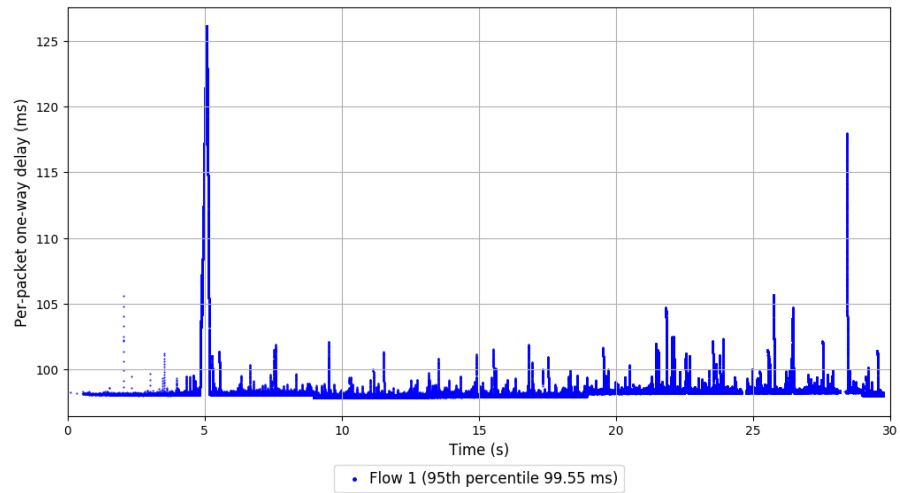
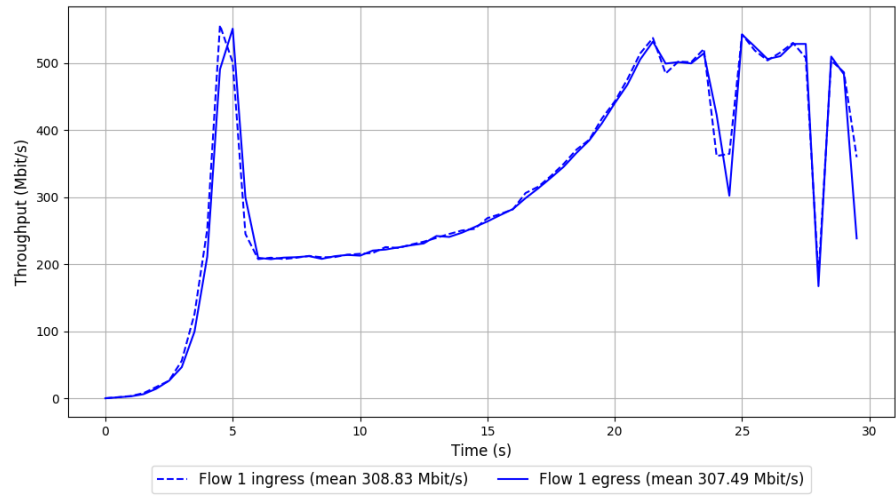
-- Flow 1:

Average throughput: 307.49 Mbit/s

95th percentile per-packet one-way delay: 99.549 ms

Loss rate: 1.18%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-27 07:29:50

End at: 2018-02-27 07:30:20

Below is generated by plot.py at 2018-02-27 12:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 395.54 Mbit/s

95th percentile per-packet one-way delay: 103.815 ms

Loss rate: 1.33%

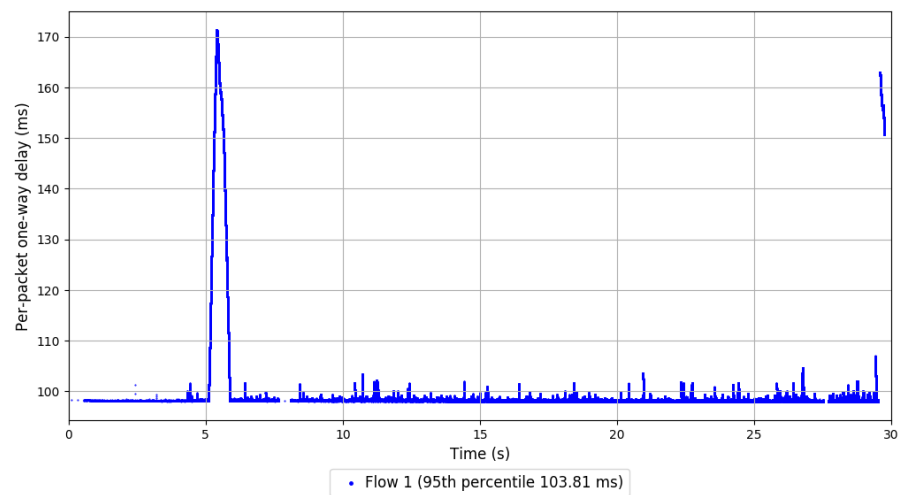
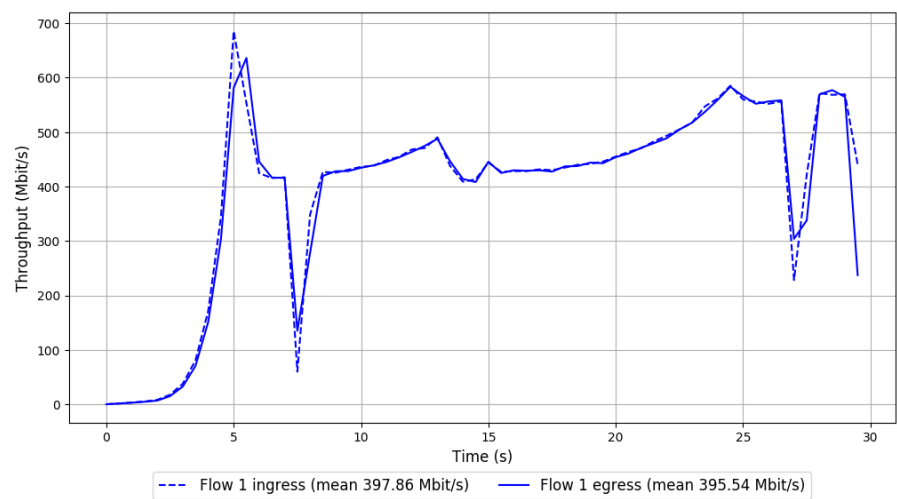
-- Flow 1:

Average throughput: 395.54 Mbit/s

95th percentile per-packet one-way delay: 103.815 ms

Loss rate: 1.33%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-27 07:45:37

End at: 2018-02-27 07:46:08

Below is generated by plot.py at 2018-02-27 12:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.35 Mbit/s

95th percentile per-packet one-way delay: 120.431 ms

Loss rate: 1.04%

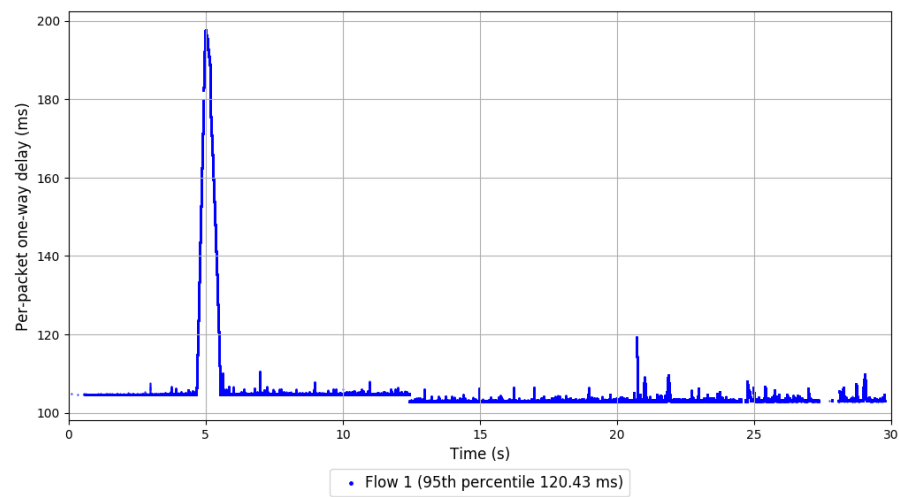
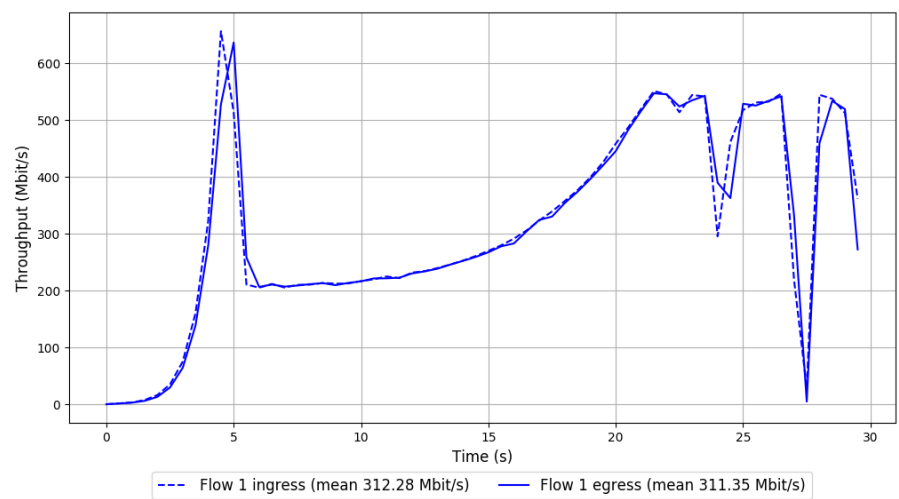
-- Flow 1:

Average throughput: 311.35 Mbit/s

95th percentile per-packet one-way delay: 120.431 ms

Loss rate: 1.04%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-27 08:01:03

End at: 2018-02-27 08:01:33

Below is generated by plot.py at 2018-02-27 12:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.02 Mbit/s

95th percentile per-packet one-way delay: 126.087 ms

Loss rate: 1.37%

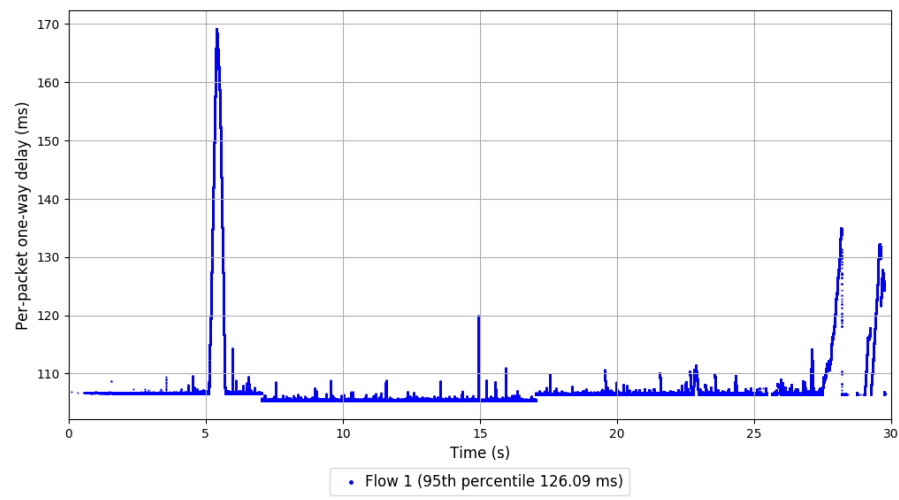
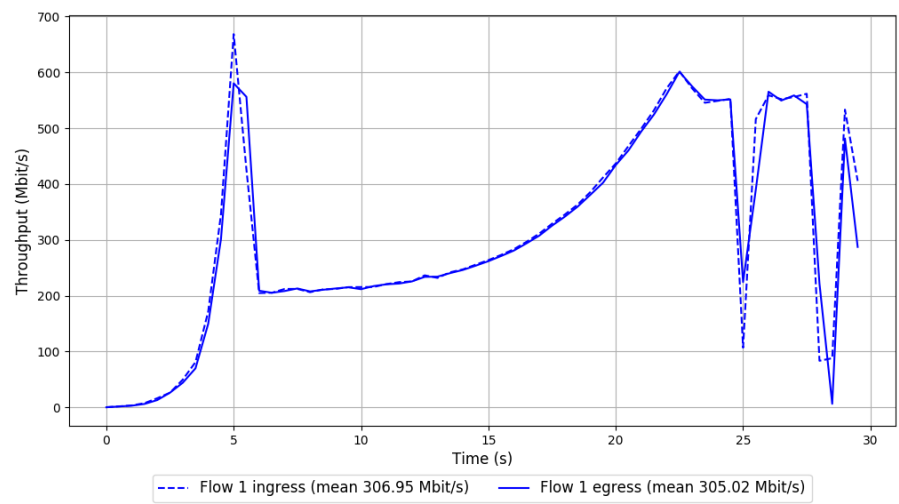
-- Flow 1:

Average throughput: 305.02 Mbit/s

95th percentile per-packet one-way delay: 126.087 ms

Loss rate: 1.37%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-27 08:16:57

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

Below is generated by plot.py at 2018-02-27 12:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.73 Mbit/s

95th percentile per-packet one-way delay: 121.333 ms

Loss rate: 1.02%

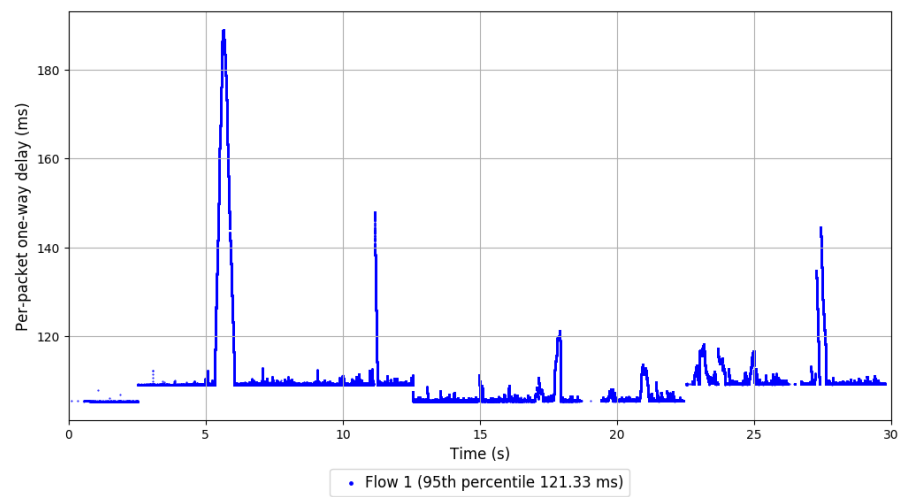
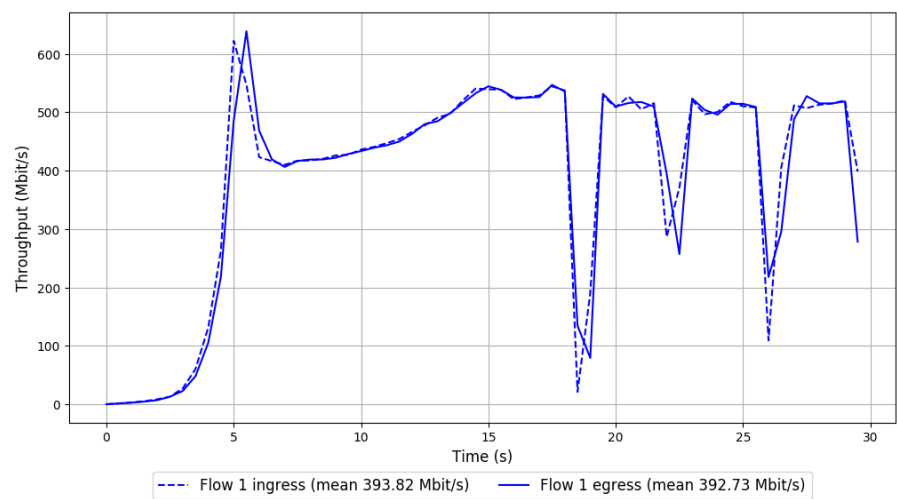
-- Flow 1:

Average throughput: 392.73 Mbit/s

95th percentile per-packet one-way delay: 121.333 ms

Loss rate: 1.02%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-27 08:32:59

End at: 2018-02-27 08:33:29

Below is generated by plot.py at 2018-02-27 12:39:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.56 Mbit/s

95th percentile per-packet one-way delay: 190.785 ms

Loss rate: 1.48%

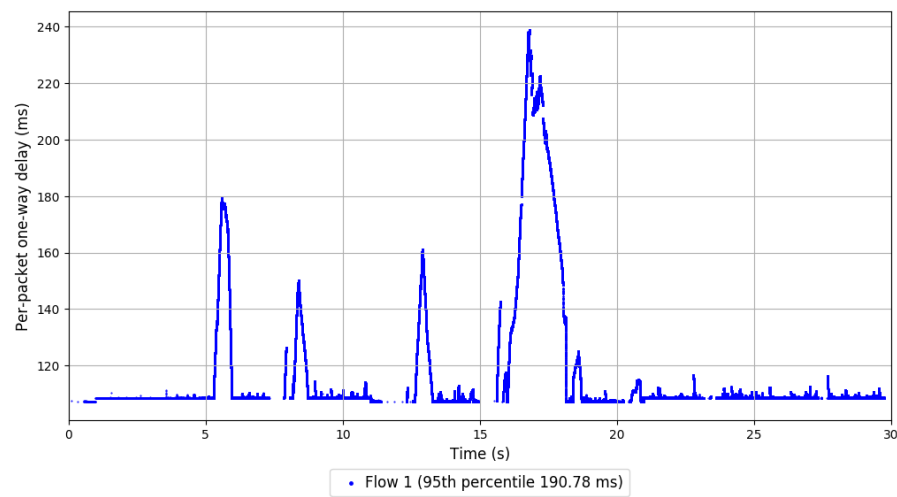
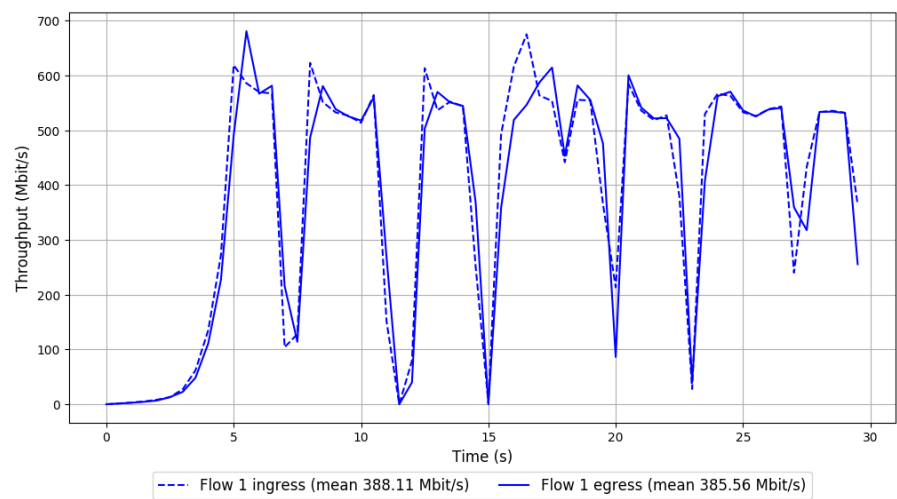
-- Flow 1:

Average throughput: 385.56 Mbit/s

95th percentile per-packet one-way delay: 190.785 ms

Loss rate: 1.48%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-27 06:15:35

End at: 2018-02-27 06:16:05

Below is generated by plot.py at 2018-02-27 12:39:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.69 Mbit/s

95th percentile per-packet one-way delay: 102.021 ms

Loss rate: 0.97%

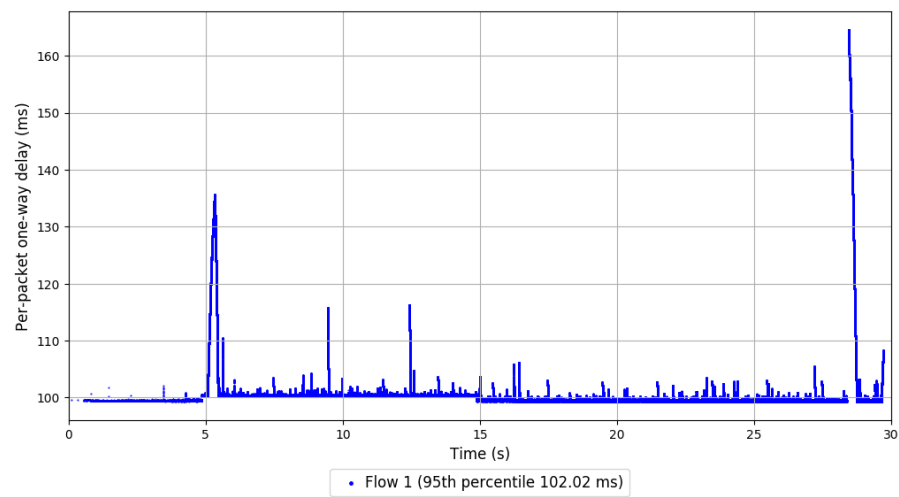
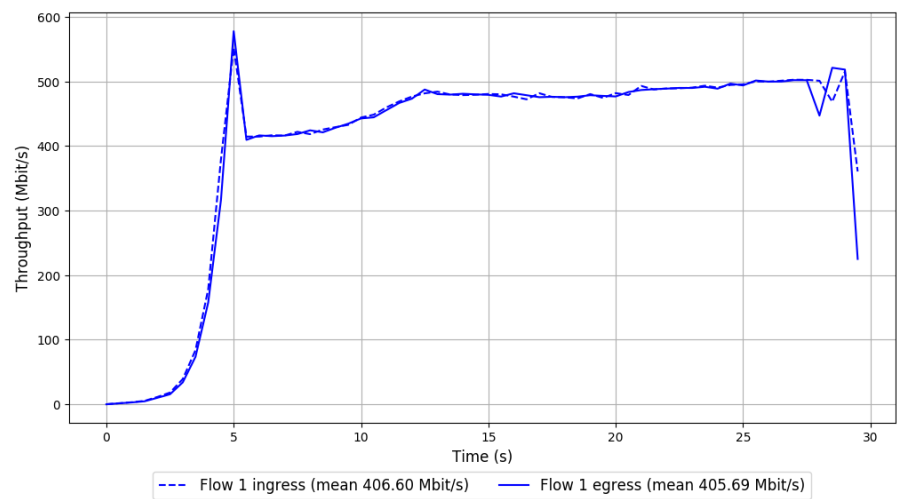
-- Flow 1:

Average throughput: 405.69 Mbit/s

95th percentile per-packet one-way delay: 102.021 ms

Loss rate: 0.97%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-27 06:31:16

End at: 2018-02-27 06:31:46

Below is generated by plot.py at 2018-02-27 12:40:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 413.13 Mbit/s

95th percentile per-packet one-way delay: 99.191 ms

Loss rate: 0.95%

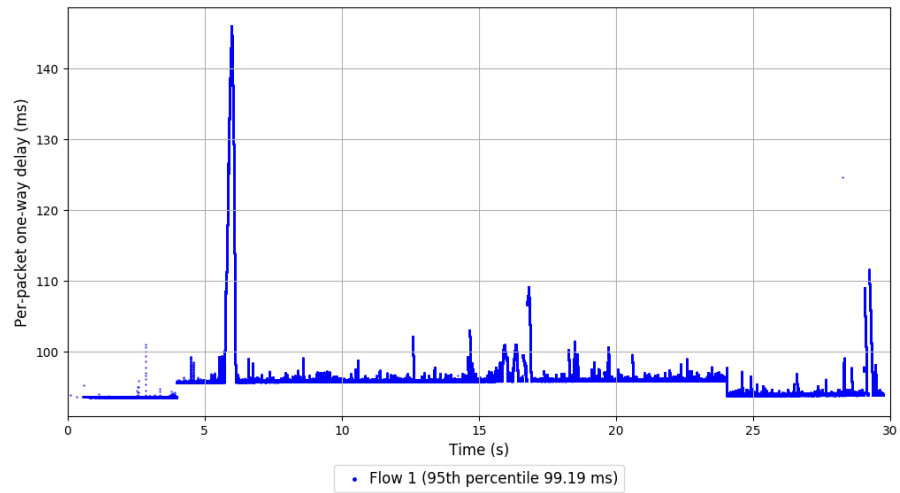
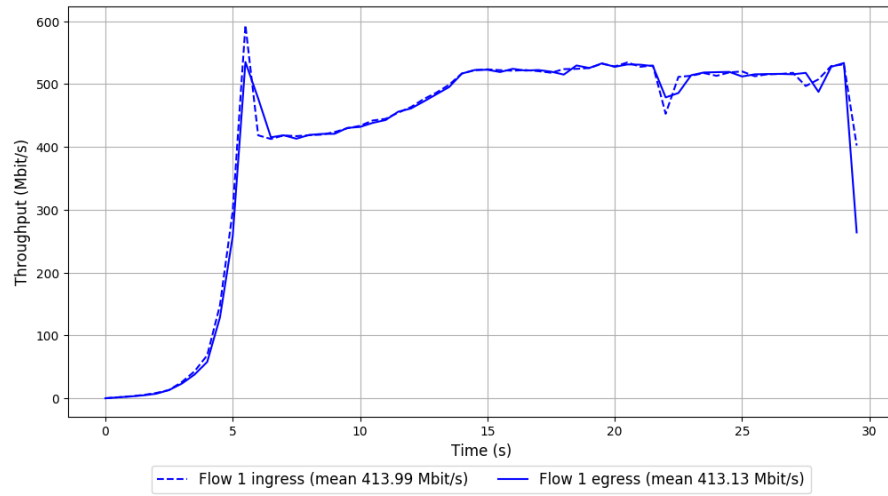
-- Flow 1:

Average throughput: 413.13 Mbit/s

95th percentile per-packet one-way delay: 99.191 ms

Loss rate: 0.95%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-27 06:47:09

End at: 2018-02-27 06:47:40

Below is generated by plot.py at 2018-02-27 12:40:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 395.47 Mbit/s

95th percentile per-packet one-way delay: 92.093 ms

Loss rate: 0.90%

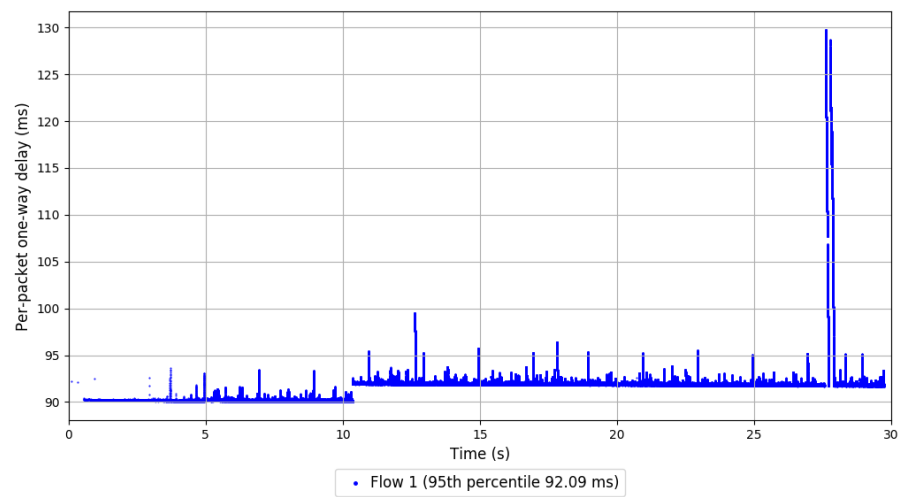
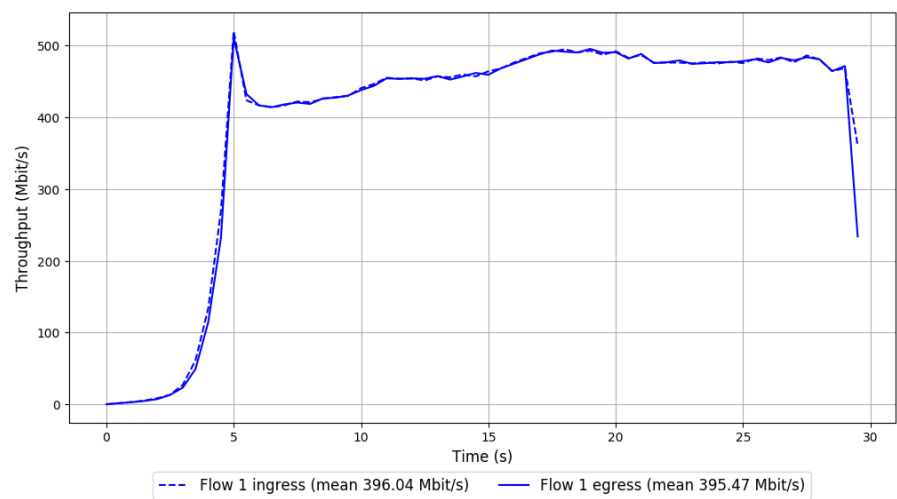
-- Flow 1:

Average throughput: 395.47 Mbit/s

95th percentile per-packet one-way delay: 92.093 ms

Loss rate: 0.90%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-27 07:03:00

End at: 2018-02-27 07:03:30

Below is generated by plot.py at 2018-02-27 12:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 407.12 Mbit/s

95th percentile per-packet one-way delay: 84.918 ms

Loss rate: 0.96%

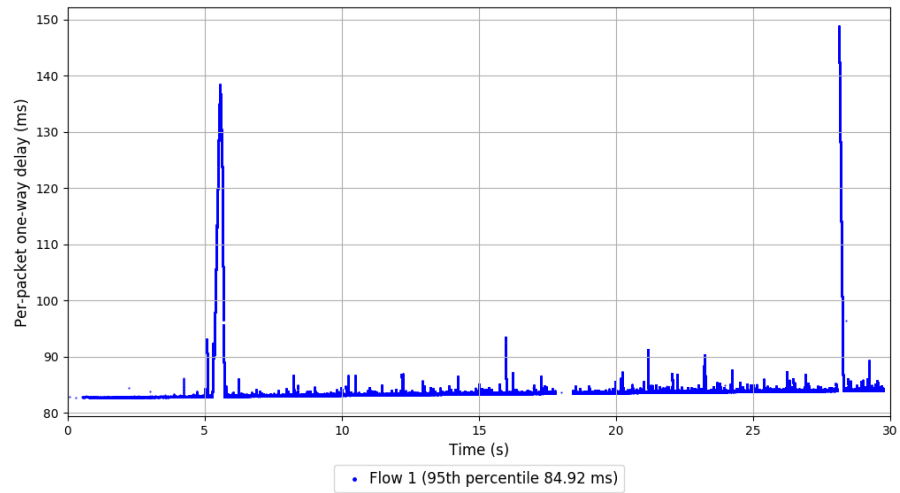
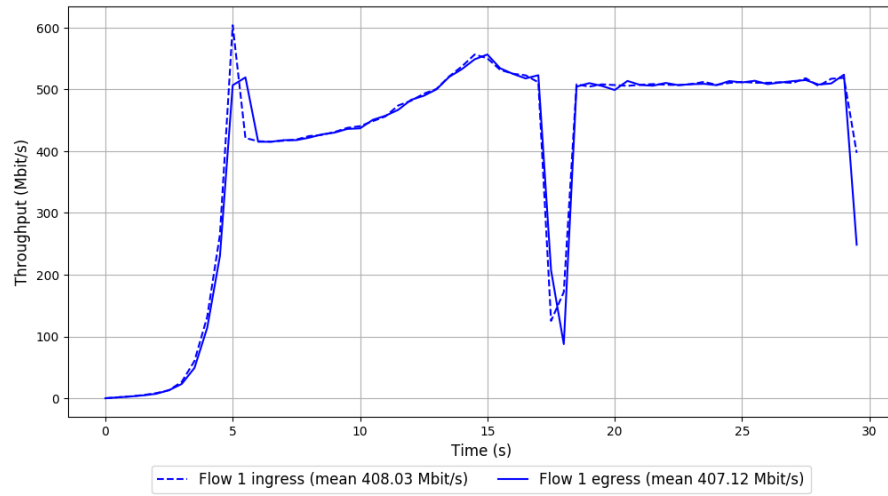
-- Flow 1:

Average throughput: 407.12 Mbit/s

95th percentile per-packet one-way delay: 84.918 ms

Loss rate: 0.96%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-27 07:18:30

End at: 2018-02-27 07:19:00

Below is generated by plot.py at 2018-02-27 12:42:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.77 Mbit/s

95th percentile per-packet one-way delay: 108.299 ms

Loss rate: 0.92%

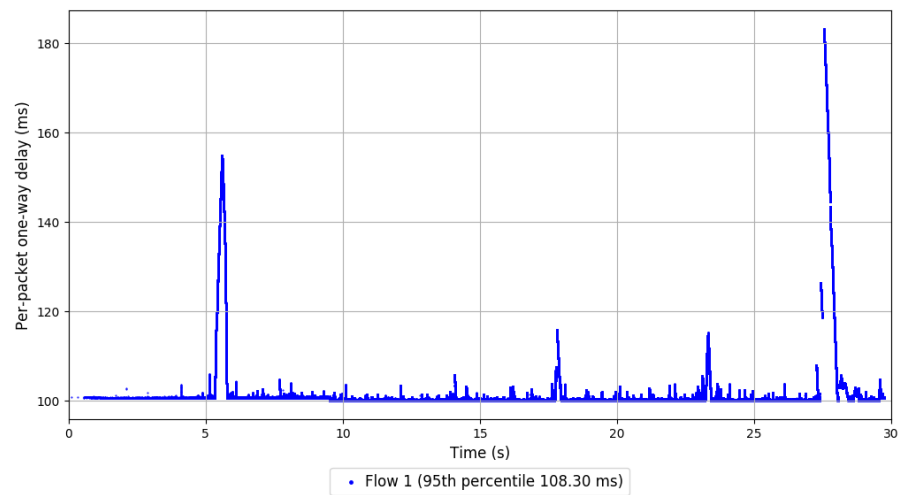
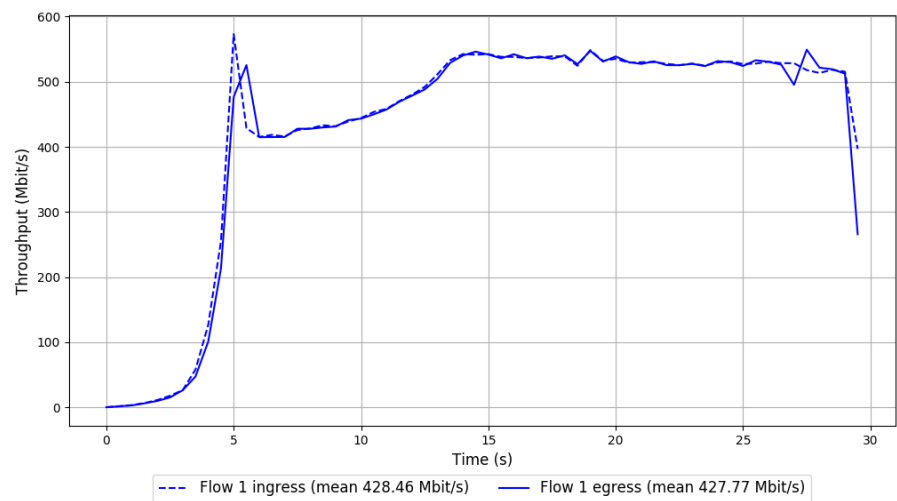
-- Flow 1:

Average throughput: 427.77 Mbit/s

95th percentile per-packet one-way delay: 108.299 ms

Loss rate: 0.92%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-27 07:34:09

End at: 2018-02-27 07:34:39

Below is generated by plot.py at 2018-02-27 12:42:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.39 Mbit/s

95th percentile per-packet one-way delay: 97.988 ms

Loss rate: 1.02%

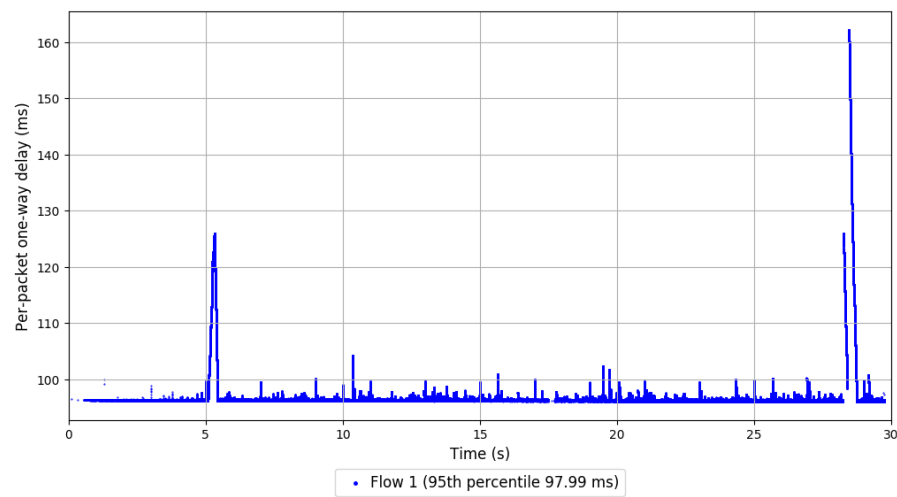
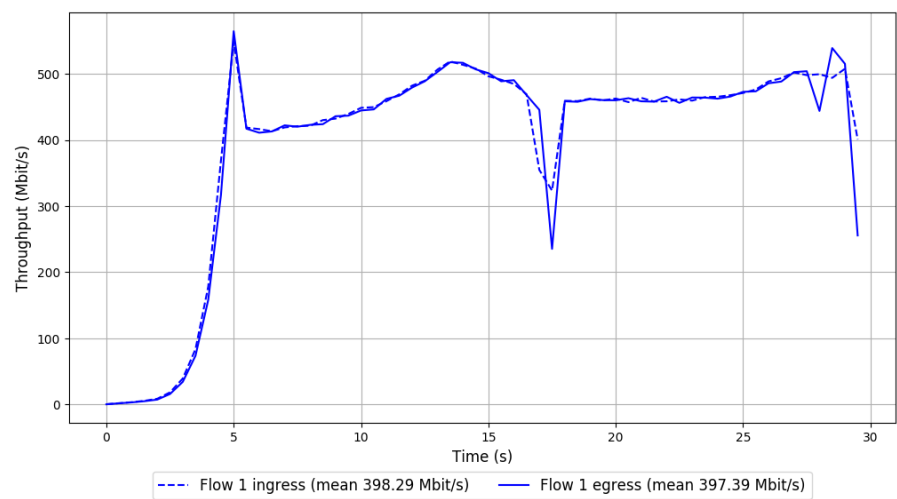
-- Flow 1:

Average throughput: 397.39 Mbit/s

95th percentile per-packet one-way delay: 97.988 ms

Loss rate: 1.02%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-27 07:49:52

End at: 2018-02-27 07:50:22

Below is generated by plot.py at 2018-02-27 12:42:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.97 Mbit/s

95th percentile per-packet one-way delay: 115.333 ms

Loss rate: 1.87%

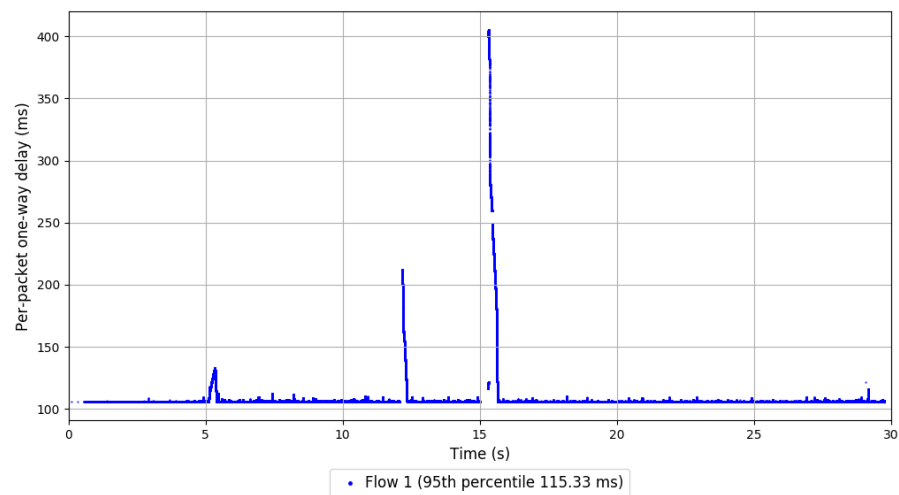
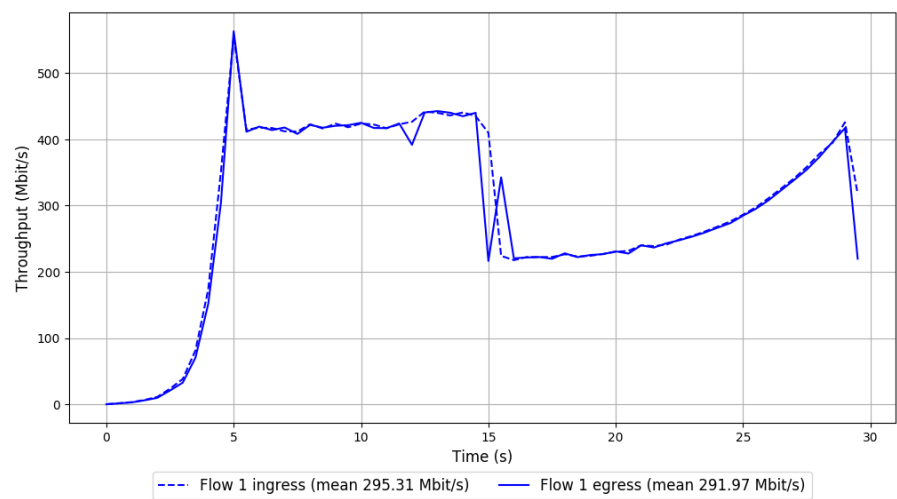
-- Flow 1:

Average throughput: 291.97 Mbit/s

95th percentile per-packet one-way delay: 115.333 ms

Loss rate: 1.87%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-27 08:05:16

End at: 2018-02-27 08:05:46

Below is generated by plot.py at 2018-02-27 12:43:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.45 Mbit/s

95th percentile per-packet one-way delay: 104.936 ms

Loss rate: 1.23%

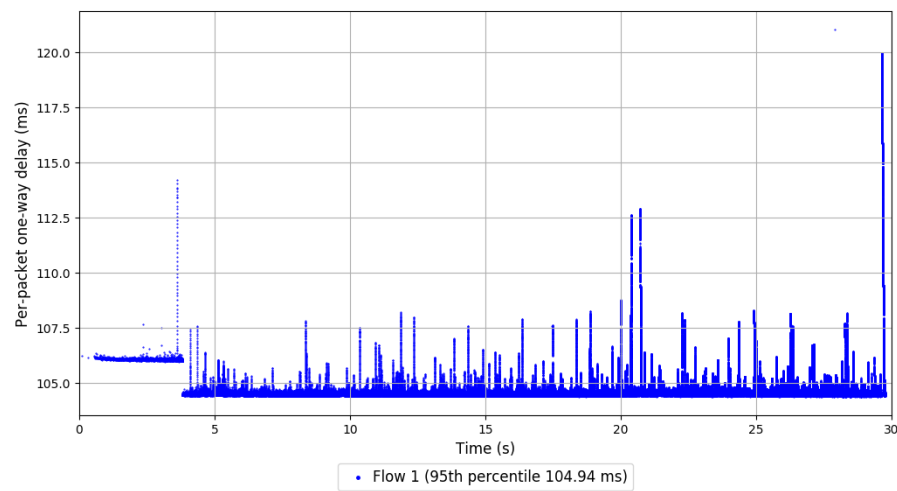
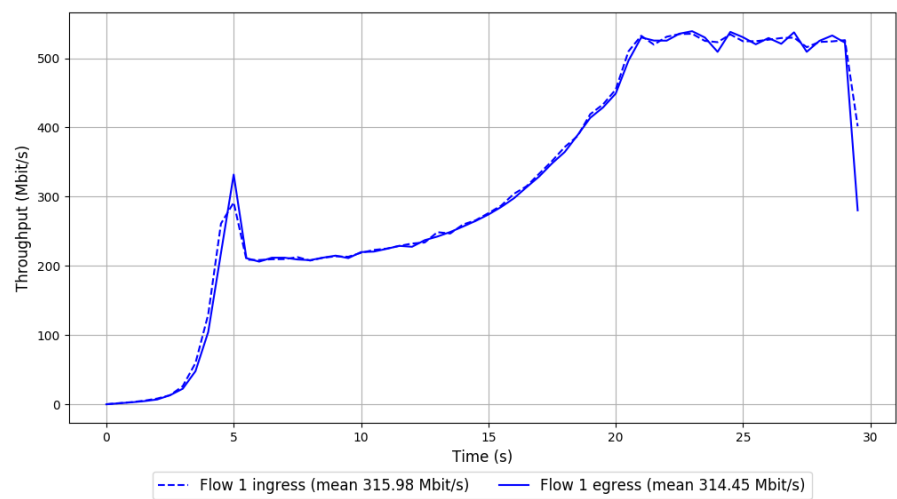
-- Flow 1:

Average throughput: 314.45 Mbit/s

95th percentile per-packet one-way delay: 104.936 ms

Loss rate: 1.23%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-27 08:21:20

End at: 2018-02-27 08:21:50

Below is generated by plot.py at 2018-02-27 12:43:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.86 Mbit/s

95th percentile per-packet one-way delay: 111.236 ms

Loss rate: 0.88%

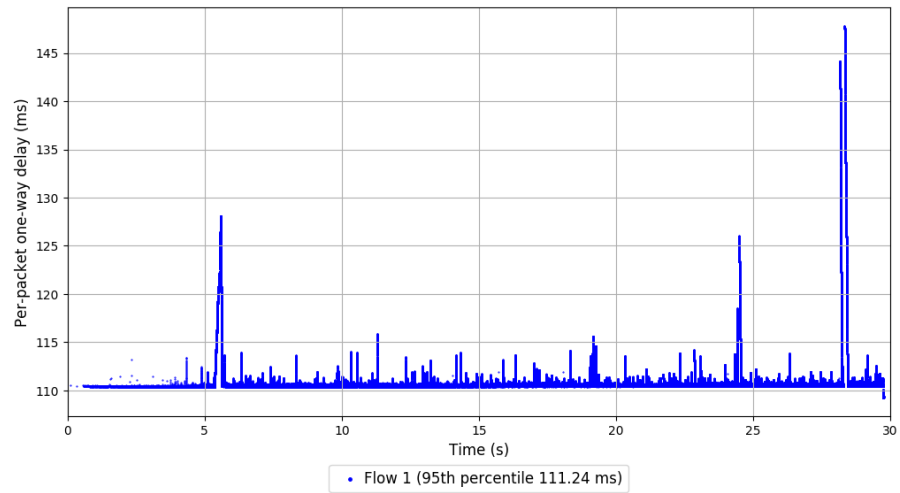
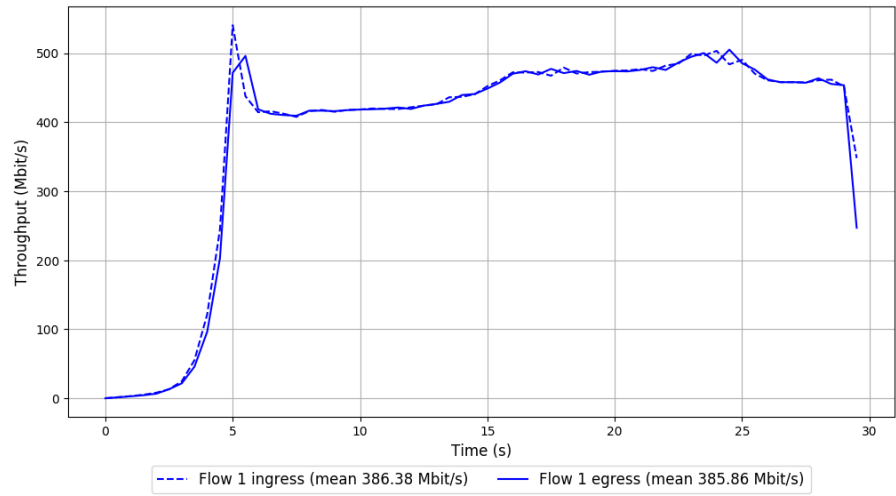
-- Flow 1:

Average throughput: 385.86 Mbit/s

95th percentile per-packet one-way delay: 111.236 ms

Loss rate: 0.88%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-27 08:37:08

End at: 2018-02-27 08:37:38

Below is generated by plot.py at 2018-02-27 12:43:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 417.43 Mbit/s

95th percentile per-packet one-way delay: 109.633 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 417.43 Mbit/s

95th percentile per-packet one-way delay: 109.633 ms

Loss rate: 0.86%

Run 10: Report of Vivace-LTE — Data Link

