

Pantheon Report

Generated at 2018-04-24 10:48:41 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

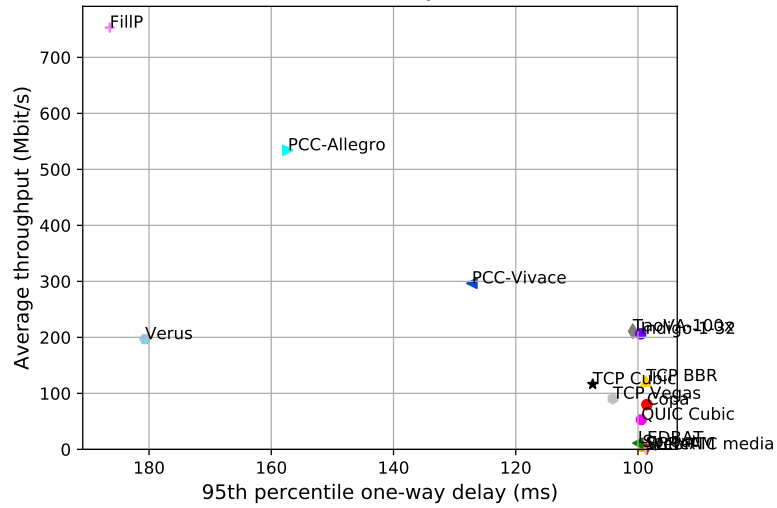
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

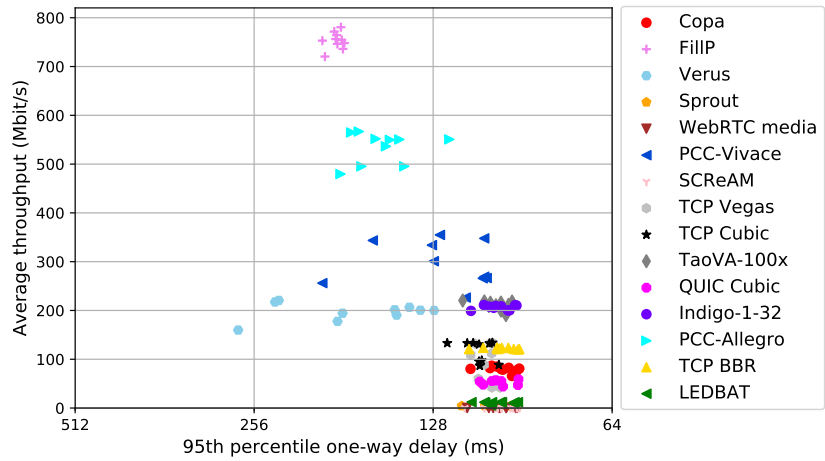
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



test from GCE Sydney Ethernet to GCE Iowa 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	121.94	98.68	0.62
TCP Cubic	10	116.39	107.41	0.62
LEDBAT	10	11.06	100.02	1.22
PCC-Allegro	10	534.13	157.29	1.35
QUIC Cubic	9	52.94	99.47	0.88
SCReAM	10	0.22	98.77	0.51
WebRTC media	10	0.06	98.58	0.01
Sprout	10	4.22	99.24	0.48
TaoVA-100x	10	211.06	100.85	0.58
TCP Vegas	10	90.43	104.12	0.60
Verus	10	196.90	180.65	1.97
Copa	10	79.83	98.54	0.43
FillP	10	753.13	186.43	7.36
Indigo-1-32	10	206.27	99.55	0.64
PCC-Vivace	10	296.50	127.18	0.75
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 05:17:14

End at: 2018-04-24 05:17:44

Below is generated by plot.py at 2018-04-24 09:46:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.39 Mbit/s

95th percentile per-packet one-way delay: 95.637 ms

Loss rate: 0.60%

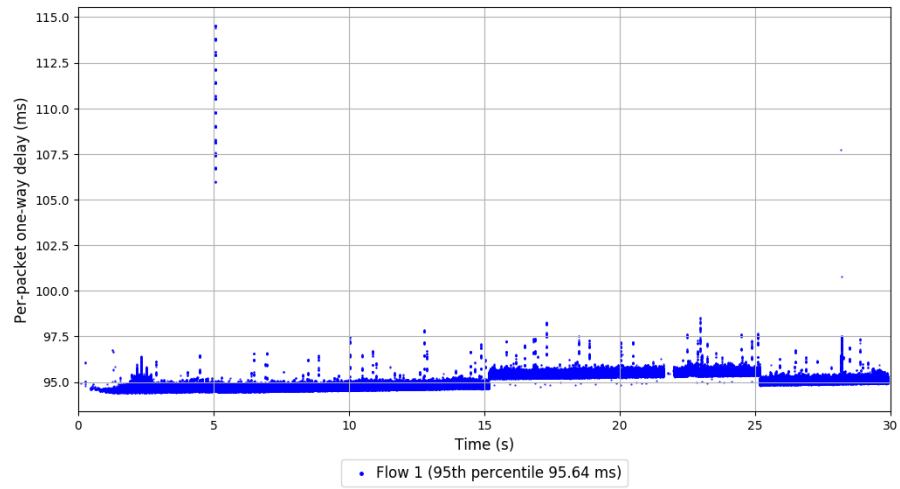
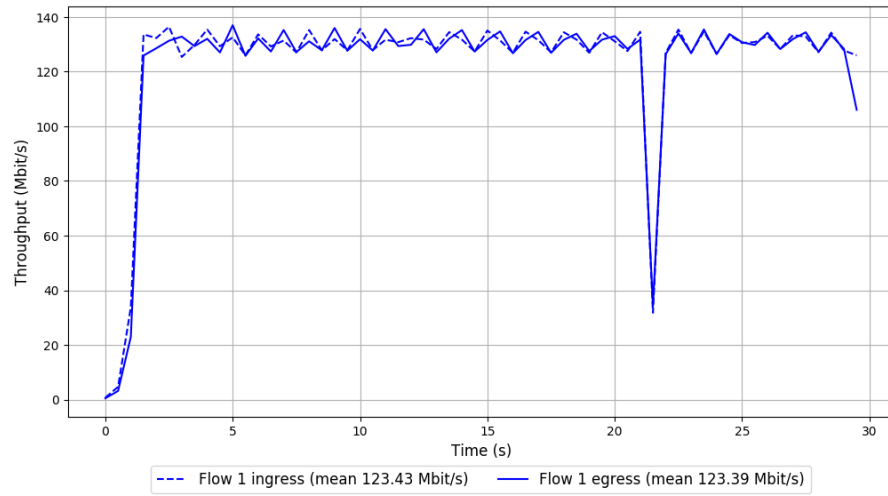
-- Flow 1:

Average throughput: 123.39 Mbit/s

95th percentile per-packet one-way delay: 95.637 ms

Loss rate: 0.60%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-24 05:30:57

End at: 2018-04-24 05:31:27

Below is generated by plot.py at 2018-04-24 09:46:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.16 Mbit/s

95th percentile per-packet one-way delay: 99.003 ms

Loss rate: 0.61%

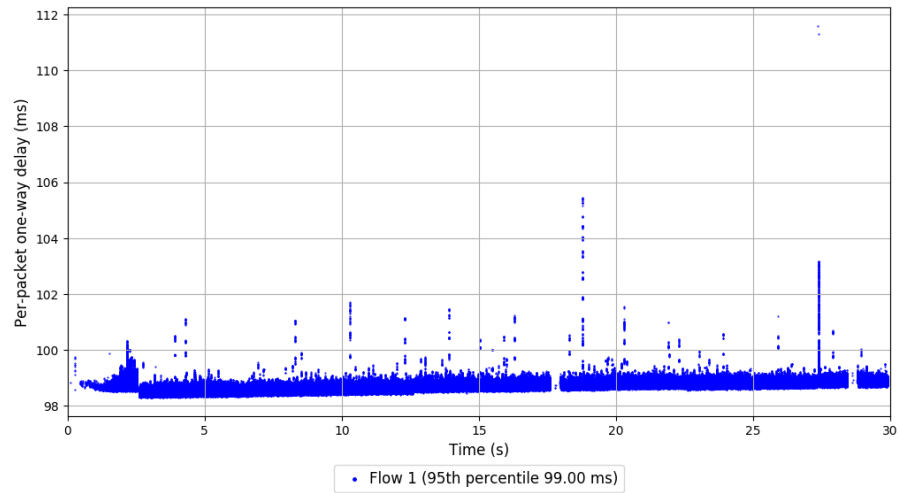
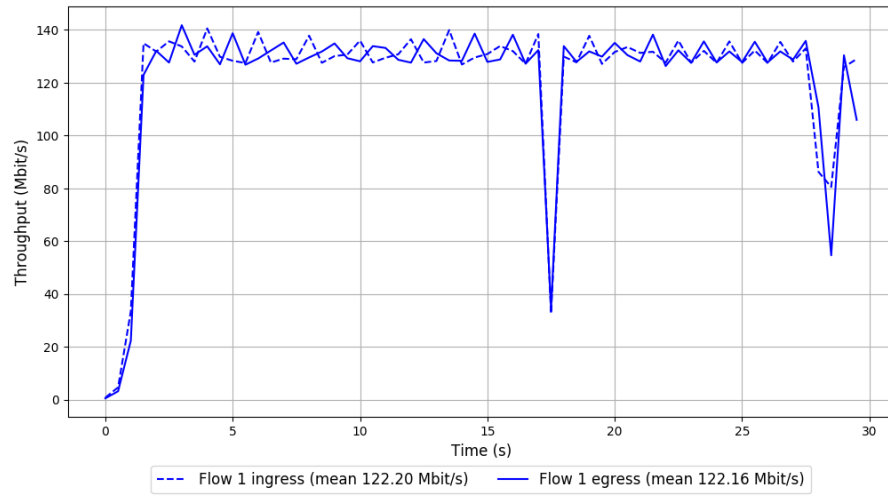
-- Flow 1:

Average throughput: 122.16 Mbit/s

95th percentile per-packet one-way delay: 99.003 ms

Loss rate: 0.61%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 05:44:37

End at: 2018-04-24 05:45:07

Below is generated by plot.py at 2018-04-24 09:46:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.60 Mbit/s

95th percentile per-packet one-way delay: 99.996 ms

Loss rate: 0.64%

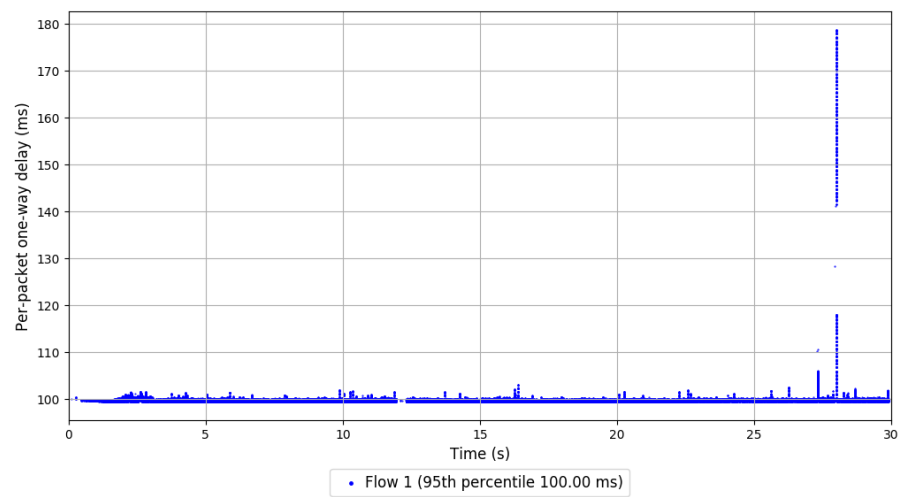
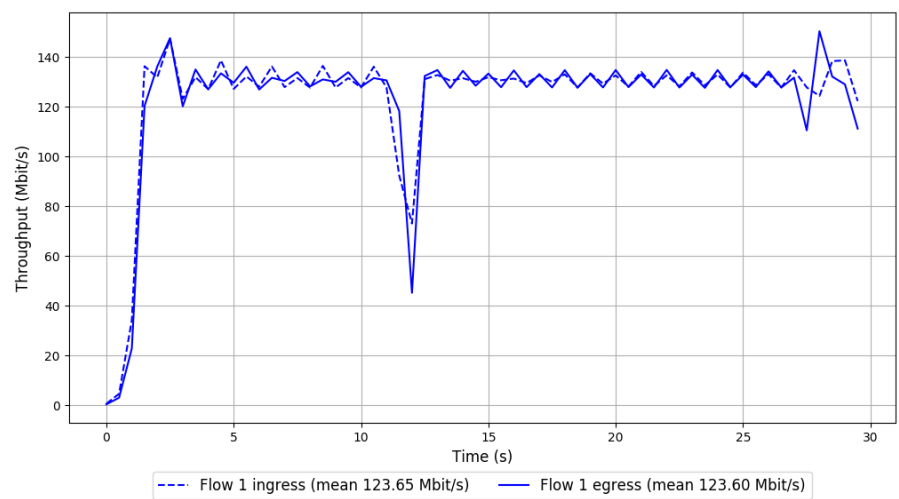
-- Flow 1:

Average throughput: 123.60 Mbit/s

95th percentile per-packet one-way delay: 99.996 ms

Loss rate: 0.64%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-24 05:58:28

End at: 2018-04-24 05:58:58

Below is generated by plot.py at 2018-04-24 09:46:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.47 Mbit/s

95th percentile per-packet one-way delay: 105.392 ms

Loss rate: 0.60%

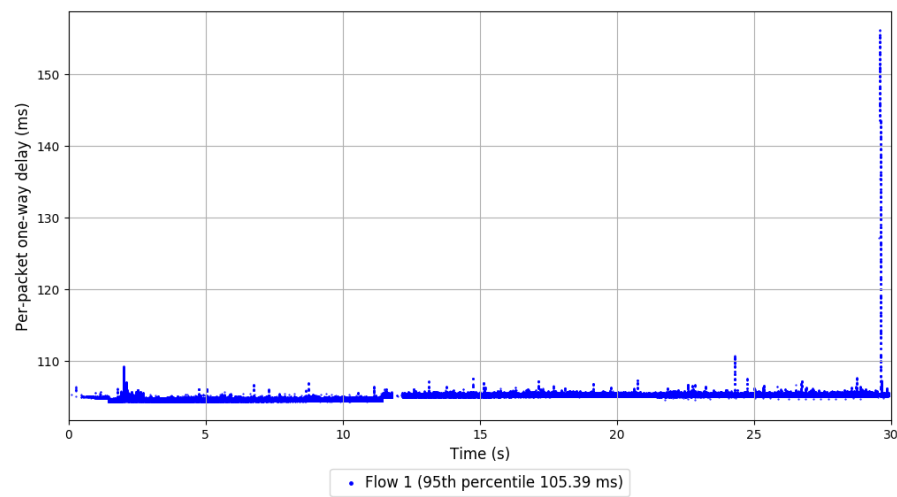
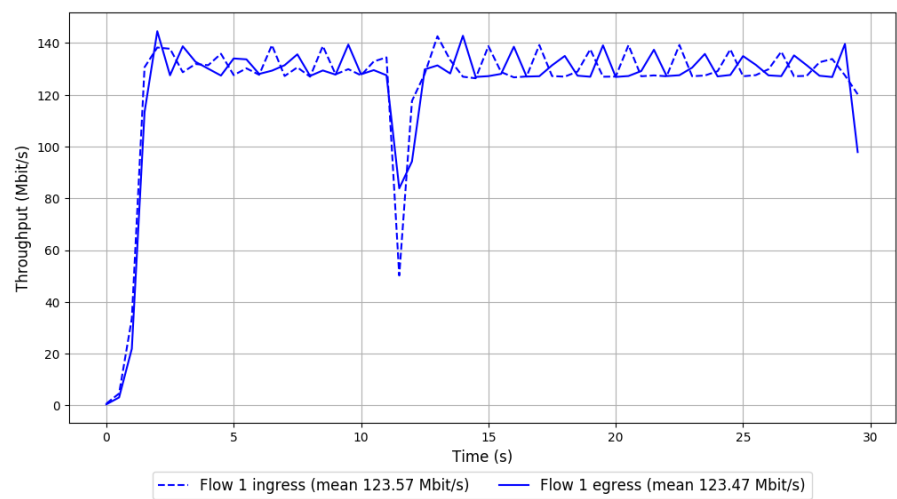
-- Flow 1:

Average throughput: 123.47 Mbit/s

95th percentile per-packet one-way delay: 105.392 ms

Loss rate: 0.60%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-24 06:12:15

End at: 2018-04-24 06:12:45

Below is generated by plot.py at 2018-04-24 09:46:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.92 Mbit/s

95th percentile per-packet one-way delay: 111.372 ms

Loss rate: 0.61%

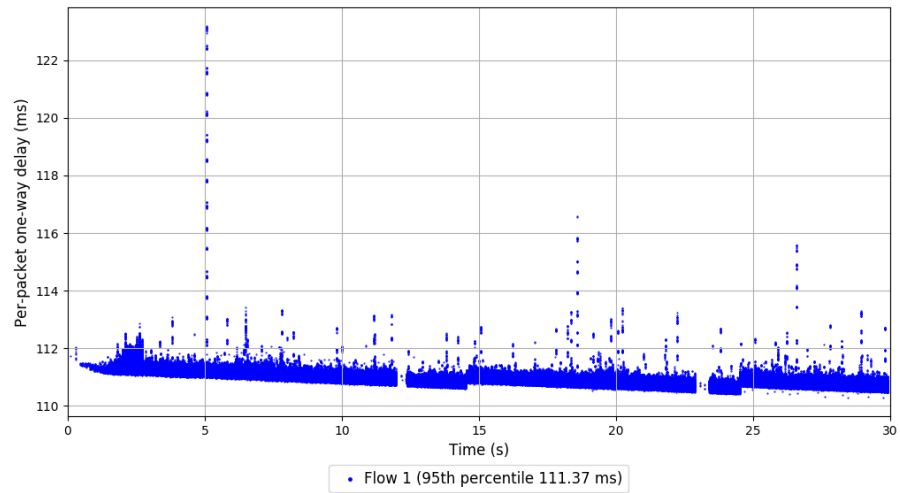
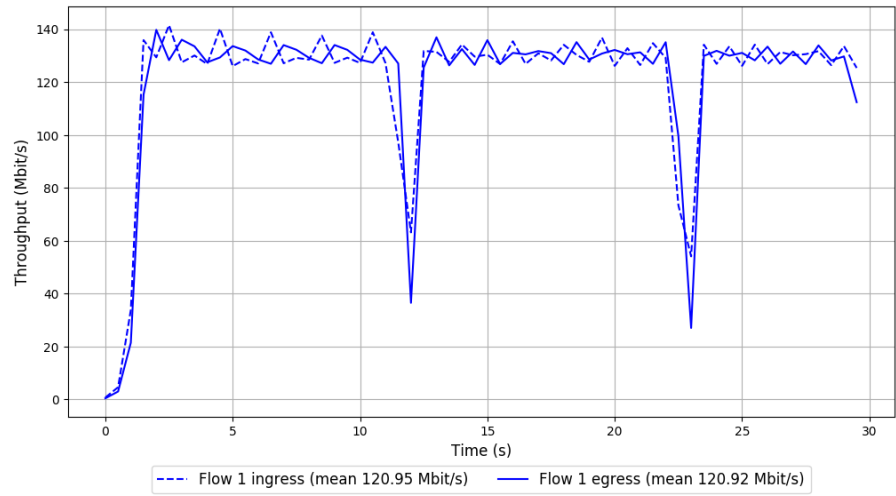
-- Flow 1:

Average throughput: 120.92 Mbit/s

95th percentile per-packet one-way delay: 111.372 ms

Loss rate: 0.61%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 06:26:06

End at: 2018-04-24 06:26:36

Below is generated by plot.py at 2018-04-24 09:46:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.31 Mbit/s

95th percentile per-packet one-way delay: 98.100 ms

Loss rate: 0.63%

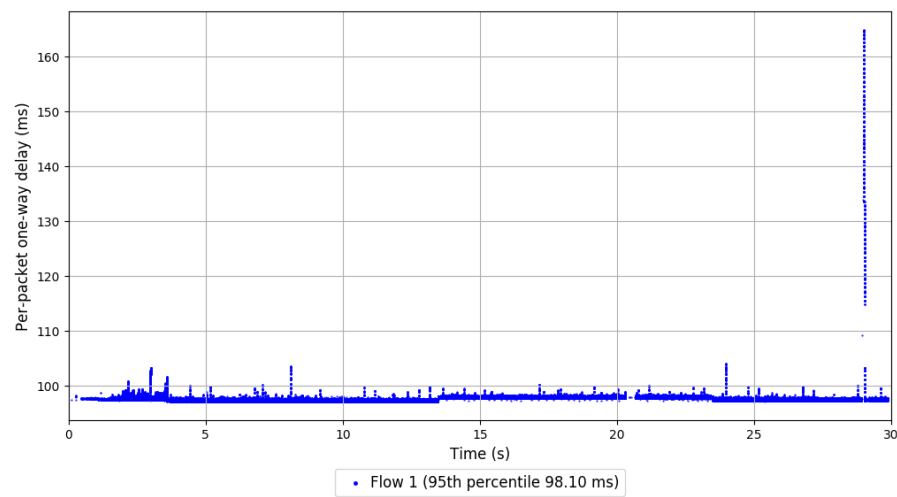
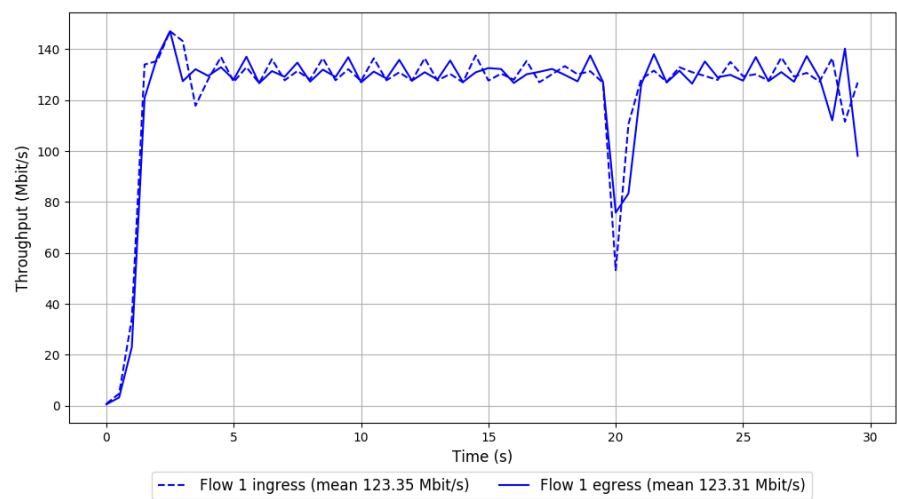
-- Flow 1:

Average throughput: 123.31 Mbit/s

95th percentile per-packet one-way delay: 98.100 ms

Loss rate: 0.63%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 06:39:57

End at: 2018-04-24 06:40:27

Below is generated by plot.py at 2018-04-24 09:46:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.86 Mbit/s

95th percentile per-packet one-way delay: 99.811 ms

Loss rate: 0.67%

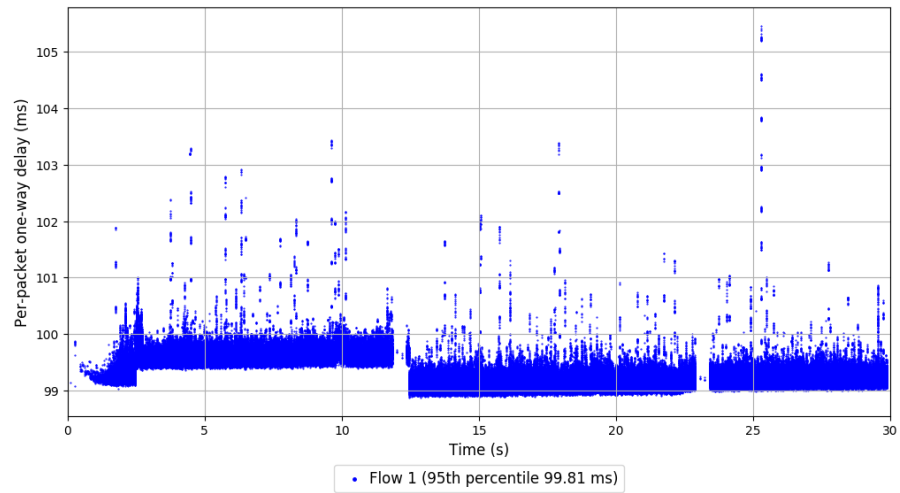
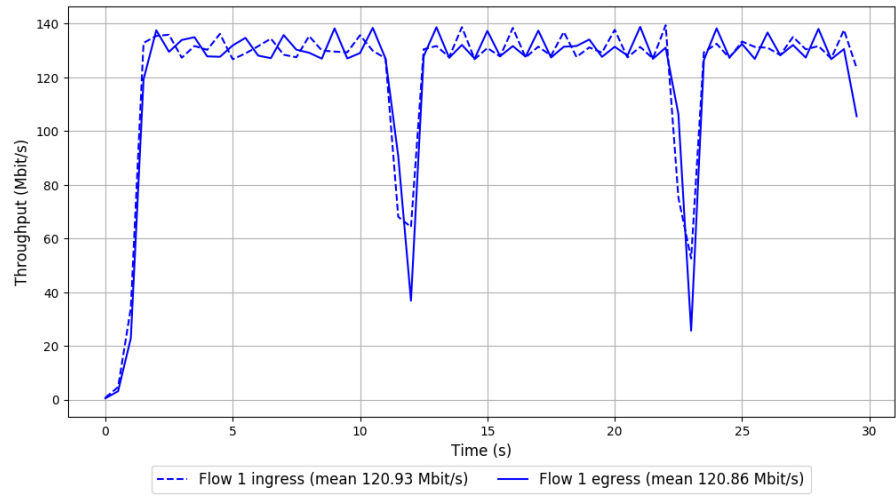
-- Flow 1:

Average throughput: 120.86 Mbit/s

95th percentile per-packet one-way delay: 99.811 ms

Loss rate: 0.67%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 06:53:42

End at: 2018-04-24 06:54:12

Below is generated by plot.py at 2018-04-24 09:46:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.95 Mbit/s

95th percentile per-packet one-way delay: 93.702 ms

Loss rate: 0.61%

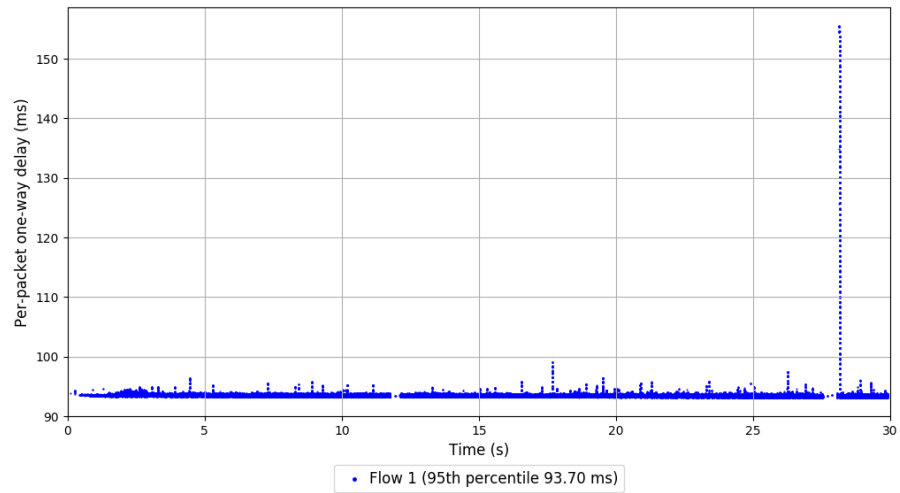
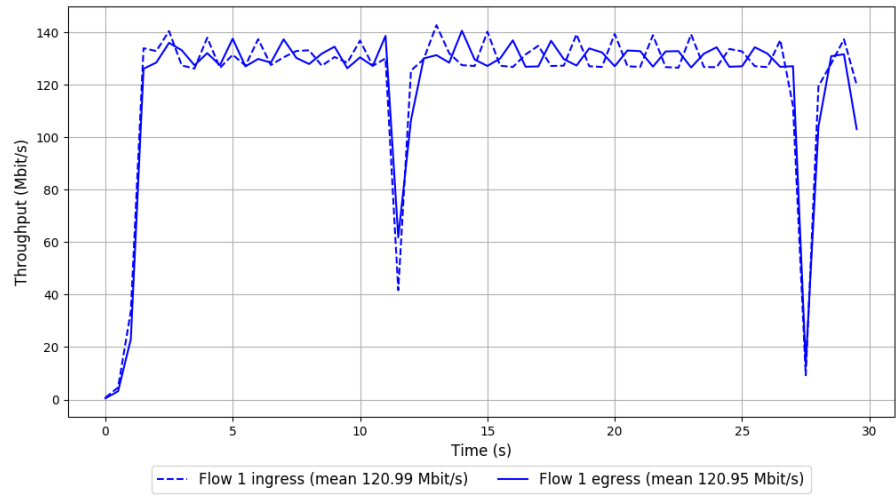
-- Flow 1:

Average throughput: 120.95 Mbit/s

95th percentile per-packet one-way delay: 93.702 ms

Loss rate: 0.61%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 07:07:21

End at: 2018-04-24 07:07:51

Below is generated by plot.py at 2018-04-24 09:48:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.79 Mbit/s

95th percentile per-packet one-way delay: 91.671 ms

Loss rate: 0.62%

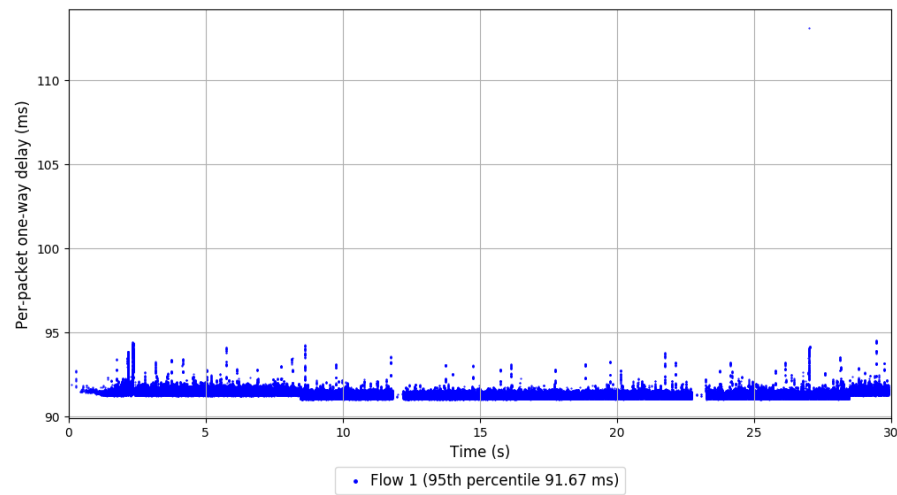
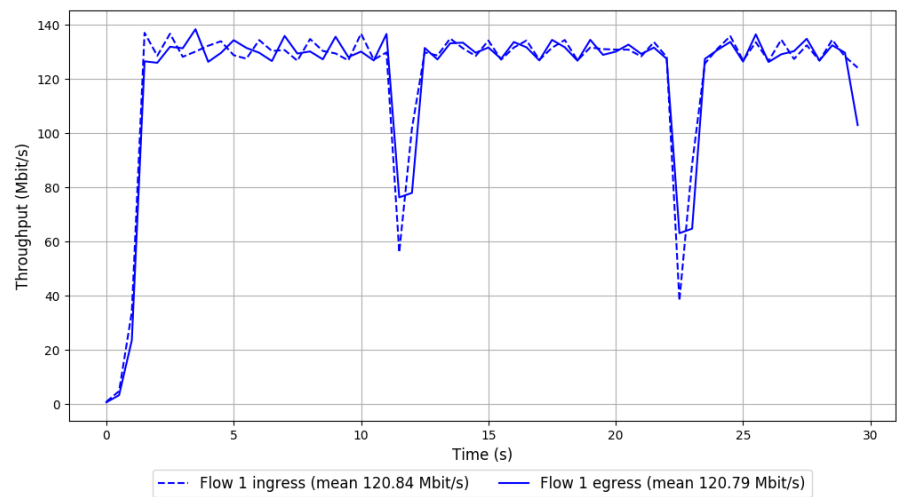
-- Flow 1:

Average throughput: 120.79 Mbit/s

95th percentile per-packet one-way delay: 91.671 ms

Loss rate: 0.62%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 07:21:15

End at: 2018-04-24 07:21:45

Below is generated by plot.py at 2018-04-24 09:48:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.93 Mbit/s

95th percentile per-packet one-way delay: 92.155 ms

Loss rate: 0.62%

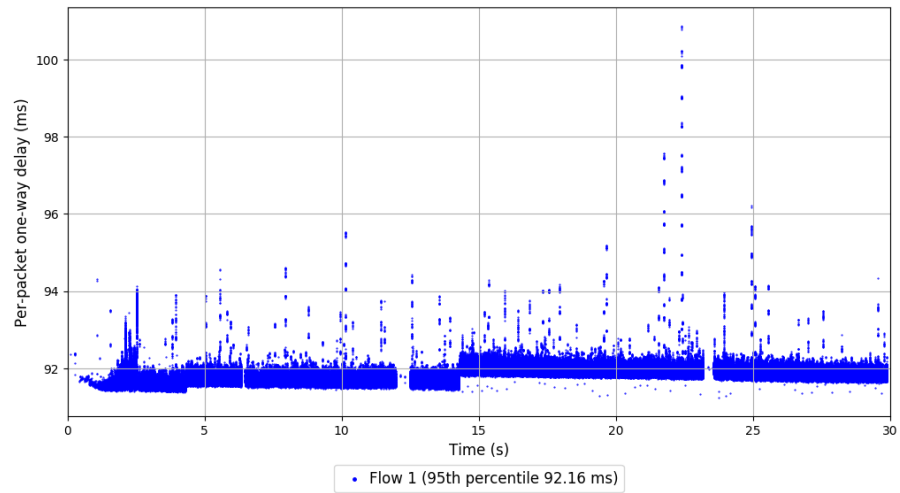
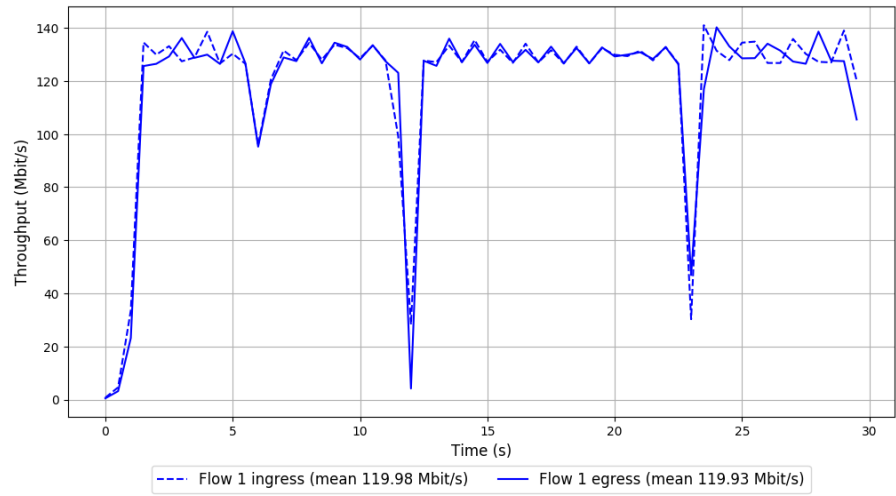
-- Flow 1:

Average throughput: 119.93 Mbit/s

95th percentile per-packet one-way delay: 92.155 ms

Loss rate: 0.62%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 05:14:10

End at: 2018-04-24 05:14:40

Below is generated by plot.py at 2018-04-24 09:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.73 Mbit/s

95th percentile per-packet one-way delay: 101.768 ms

Loss rate: 0.61%

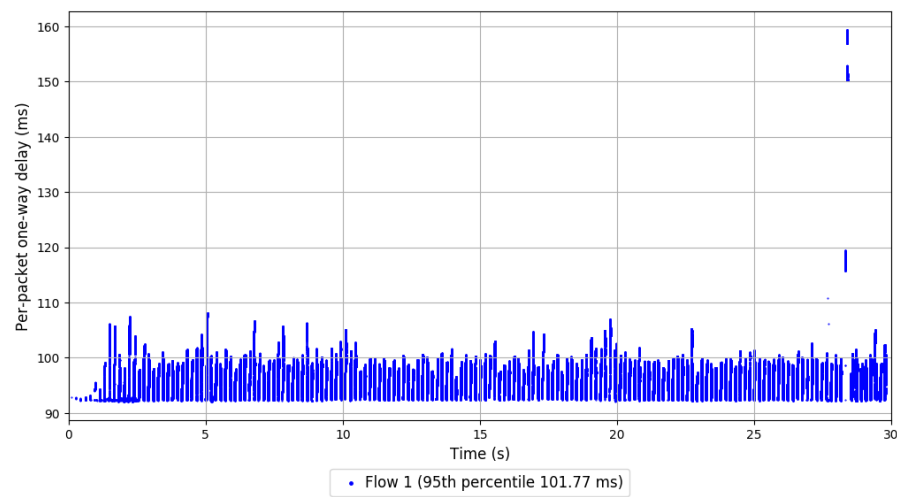
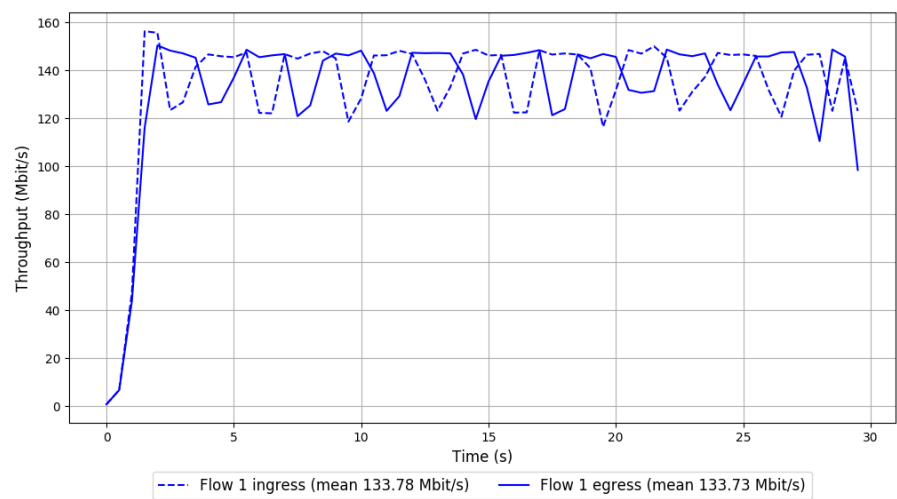
-- Flow 1:

Average throughput: 133.73 Mbit/s

95th percentile per-packet one-way delay: 101.768 ms

Loss rate: 0.61%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 05:27:55

End at: 2018-04-24 05:28:25

Below is generated by plot.py at 2018-04-24 09:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 106.874 ms

Loss rate: 1.00%

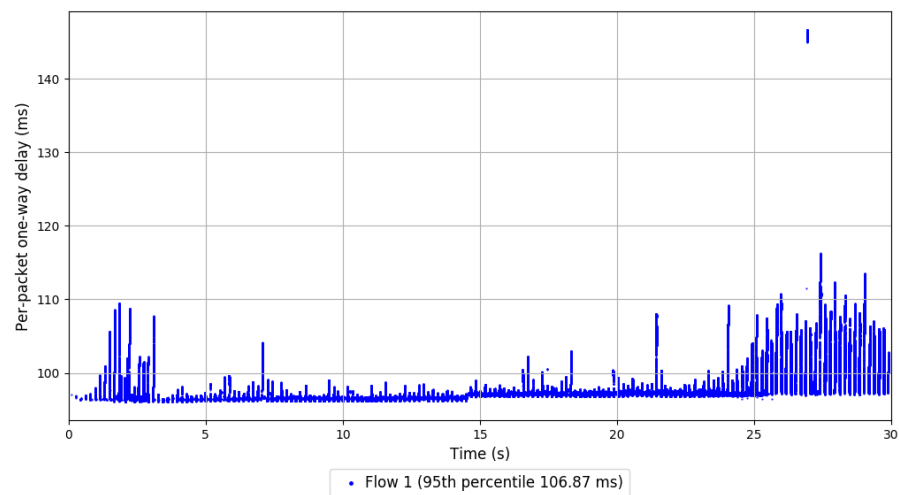
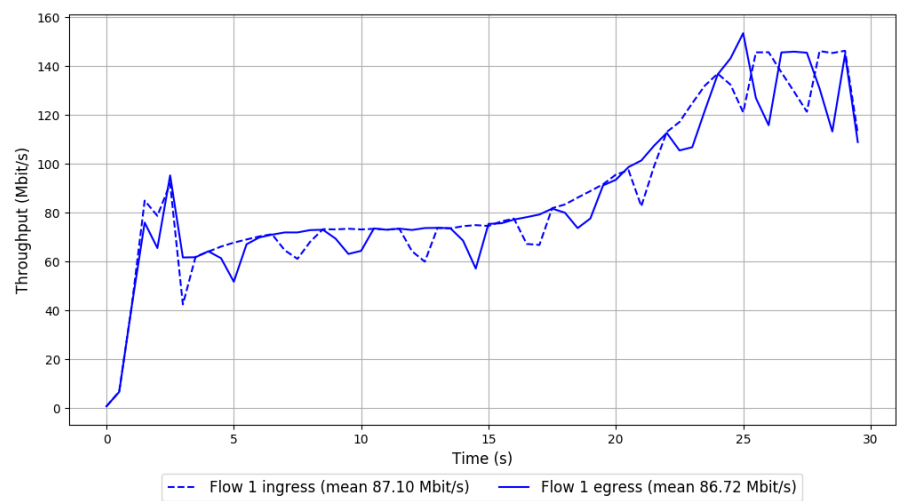
-- Flow 1:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 106.874 ms

Loss rate: 1.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 05:41:34

End at: 2018-04-24 05:42:04

Below is generated by plot.py at 2018-04-24 09:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.55 Mbit/s

95th percentile per-packet one-way delay: 106.038 ms

Loss rate: 0.54%

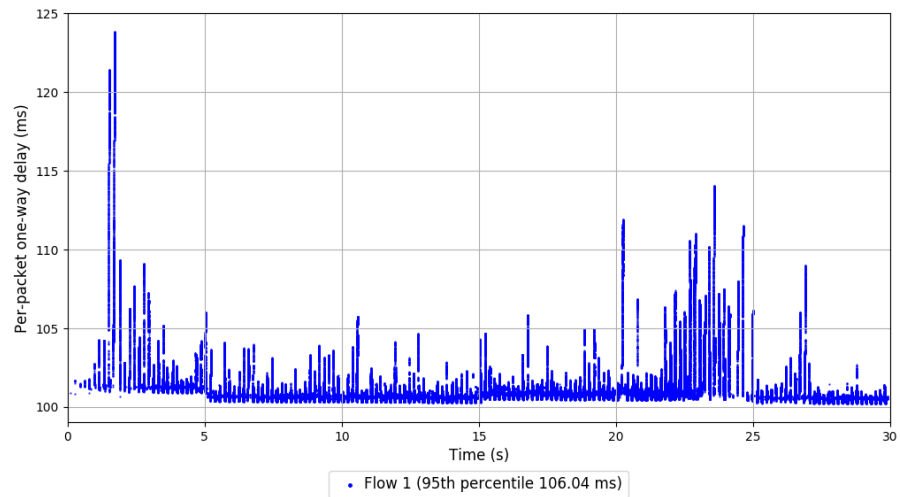
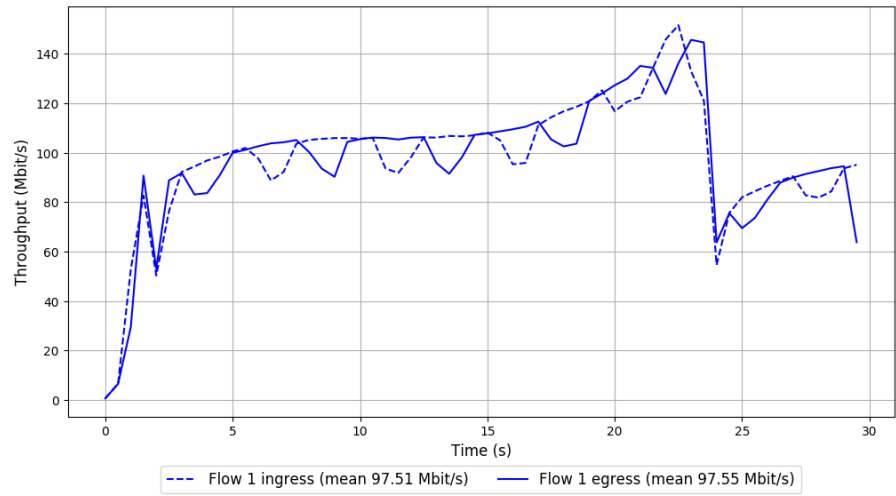
-- Flow 1:

Average throughput: 97.55 Mbit/s

95th percentile per-packet one-way delay: 106.038 ms

Loss rate: 0.54%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 05:55:23

End at: 2018-04-24 05:55:53

Below is generated by plot.py at 2018-04-24 09:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.89 Mbit/s

95th percentile per-packet one-way delay: 112.161 ms

Loss rate: 0.65%

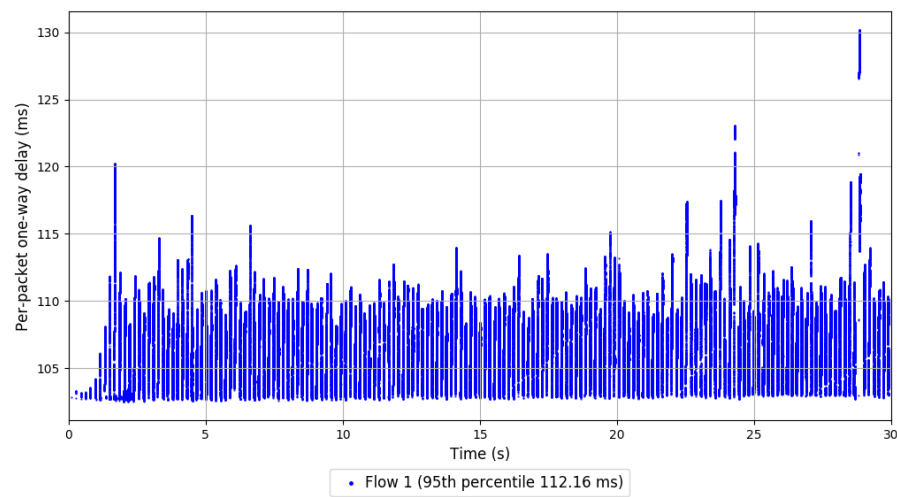
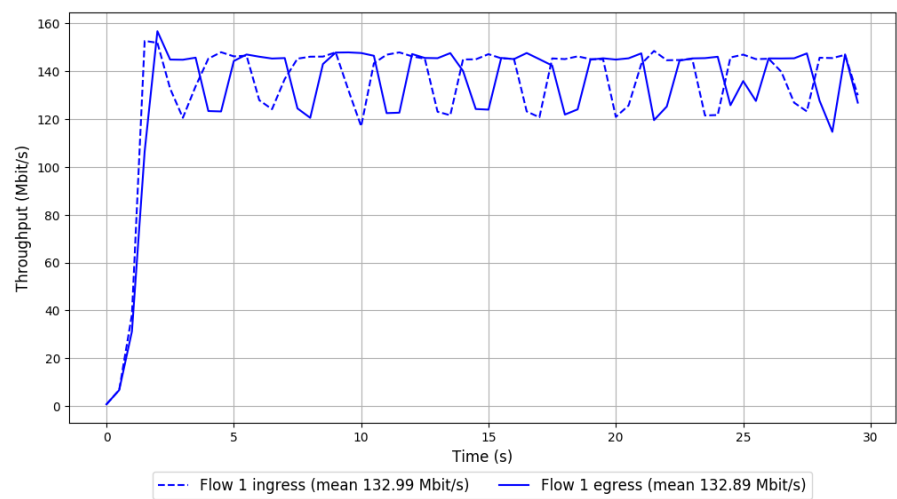
-- Flow 1:

Average throughput: 132.89 Mbit/s

95th percentile per-packet one-way delay: 112.161 ms

Loss rate: 0.65%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 06:09:10

End at: 2018-04-24 06:09:40

Below is generated by plot.py at 2018-04-24 09:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.11 Mbit/s

95th percentile per-packet one-way delay: 121.188 ms

Loss rate: 0.63%

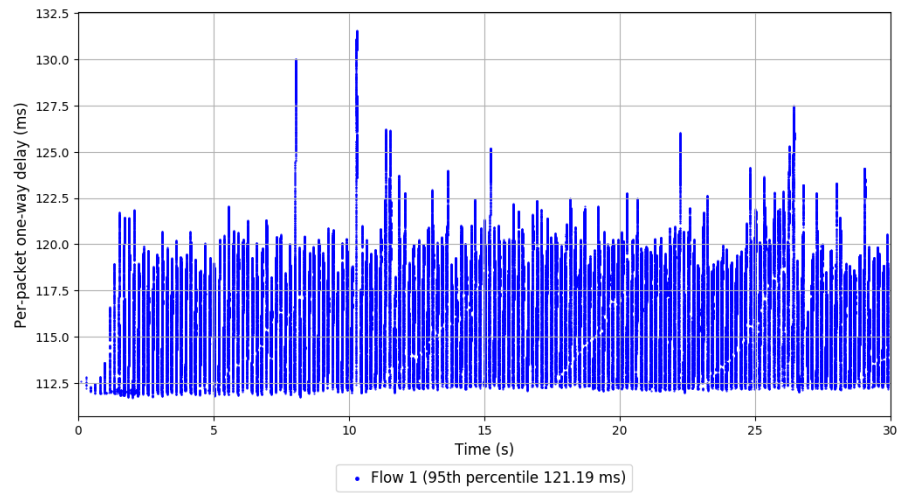
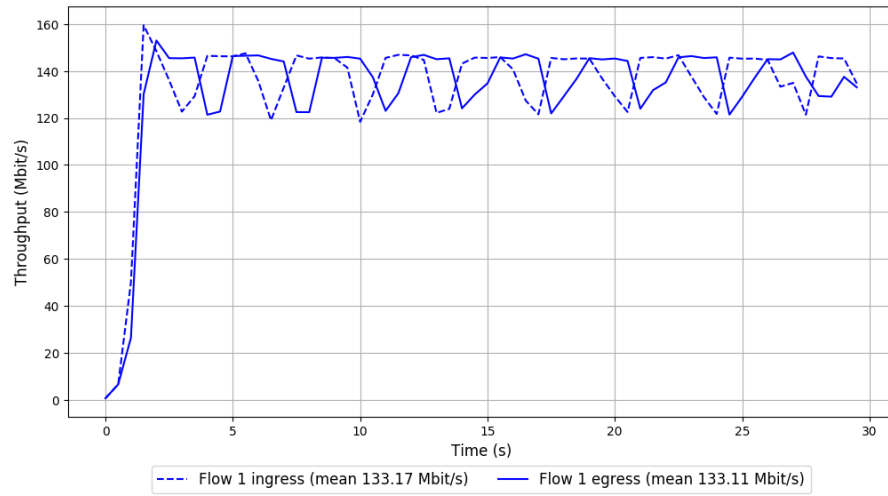
-- Flow 1:

Average throughput: 133.11 Mbit/s

95th percentile per-packet one-way delay: 121.188 ms

Loss rate: 0.63%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 06:23:03

End at: 2018-04-24 06:23:33

Below is generated by plot.py at 2018-04-24 09:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 107.159 ms

Loss rate: 0.85%

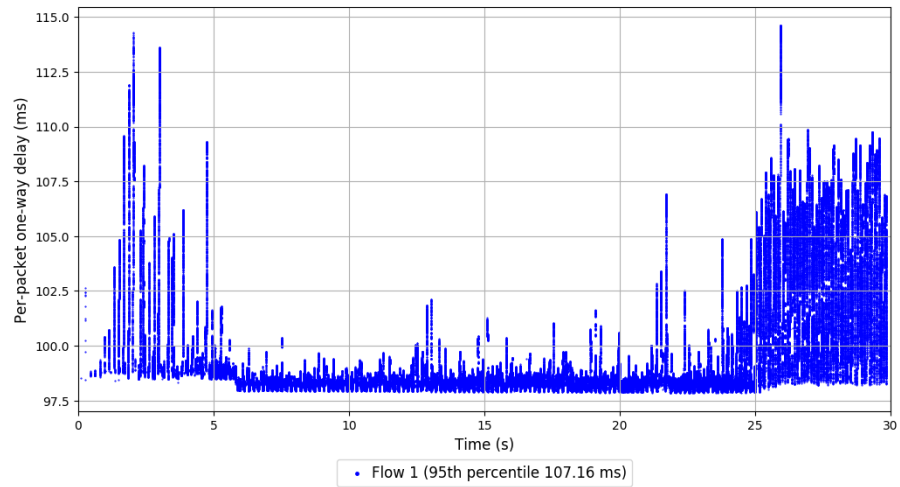
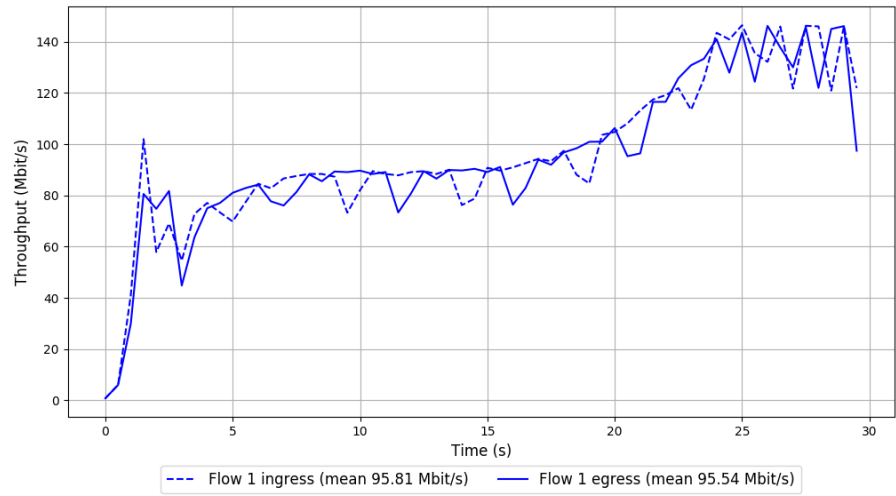
-- Flow 1:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 107.159 ms

Loss rate: 0.85%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 06:36:53

End at: 2018-04-24 06:37:23

Below is generated by plot.py at 2018-04-24 09:50:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.06 Mbit/s

95th percentile per-packet one-way delay: 109.632 ms

Loss rate: 0.34%

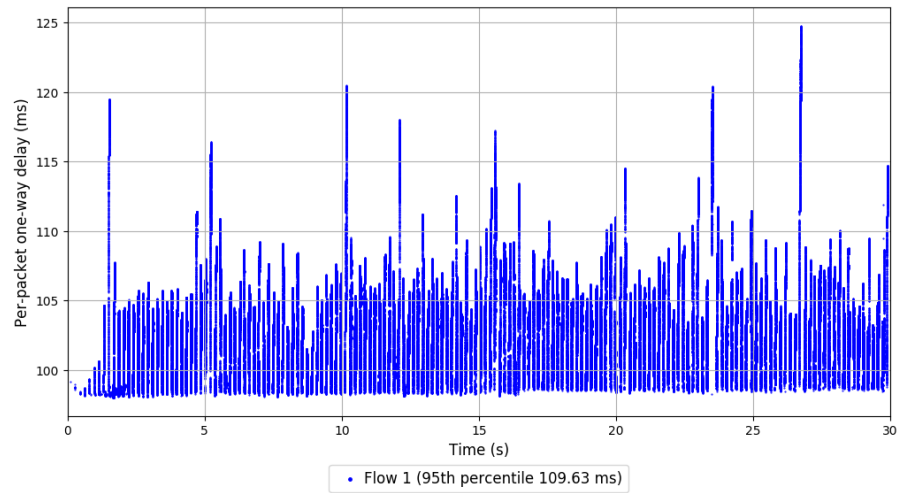
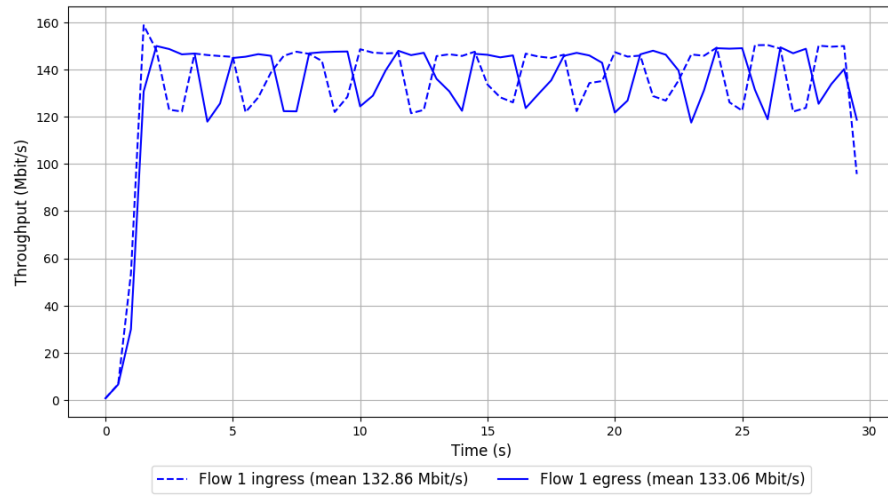
-- Flow 1:

Average throughput: 133.06 Mbit/s

95th percentile per-packet one-way delay: 109.632 ms

Loss rate: 0.34%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 06:50:39

End at: 2018-04-24 06:51:09

Below is generated by plot.py at 2018-04-24 09:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.29 Mbit/s

95th percentile per-packet one-way delay: 107.126 ms

Loss rate: 0.35%

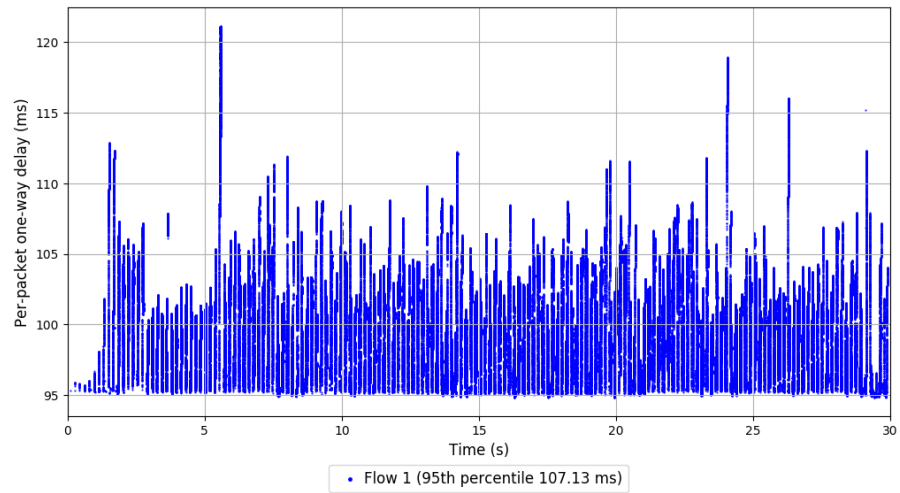
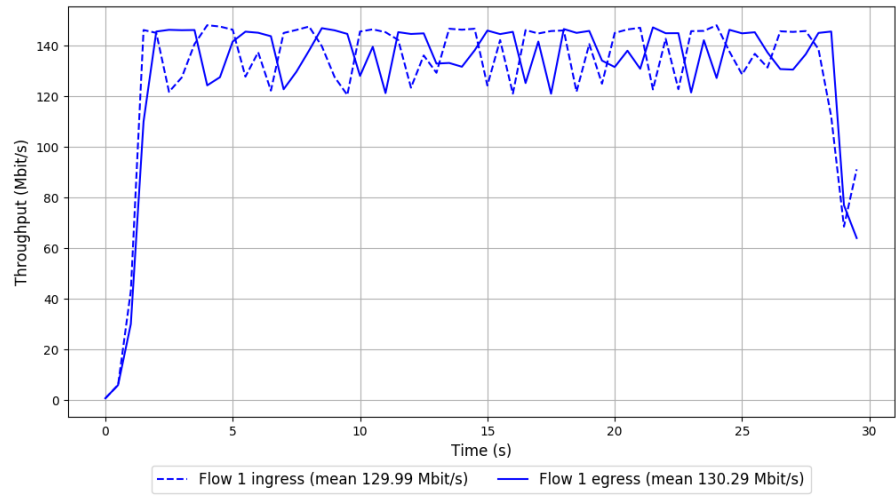
-- Flow 1:

Average throughput: 130.29 Mbit/s

95th percentile per-packet one-way delay: 107.126 ms

Loss rate: 0.35%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 07:04:19

End at: 2018-04-24 07:04:49

Below is generated by plot.py at 2018-04-24 09:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.50 Mbit/s

95th percentile per-packet one-way delay: 99.246 ms

Loss rate: 0.57%

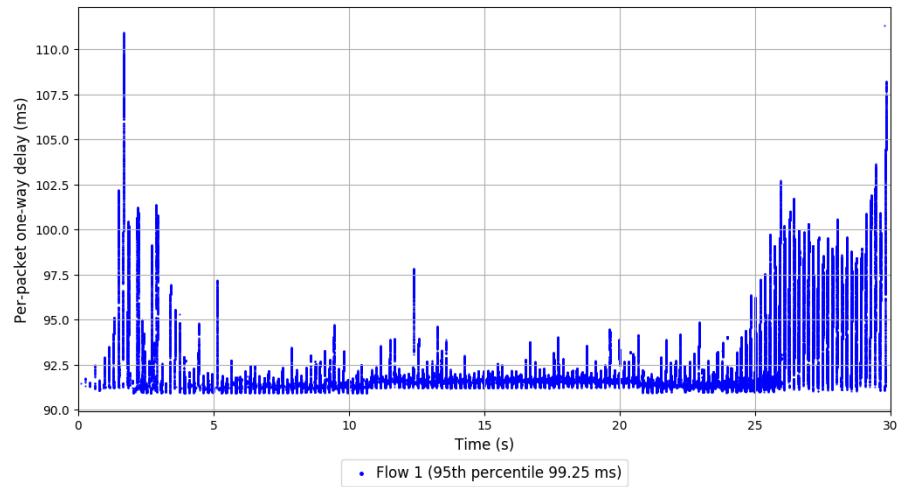
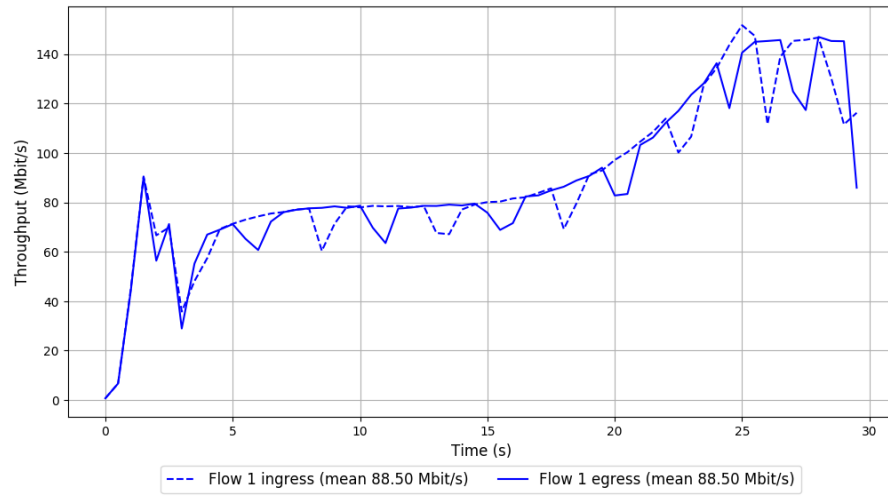
-- Flow 1:

Average throughput: 88.50 Mbit/s

95th percentile per-packet one-way delay: 99.246 ms

Loss rate: 0.57%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 07:18:13

End at: 2018-04-24 07:18:43

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.47 Mbit/s

95th percentile per-packet one-way delay: 102.921 ms

Loss rate: 0.67%

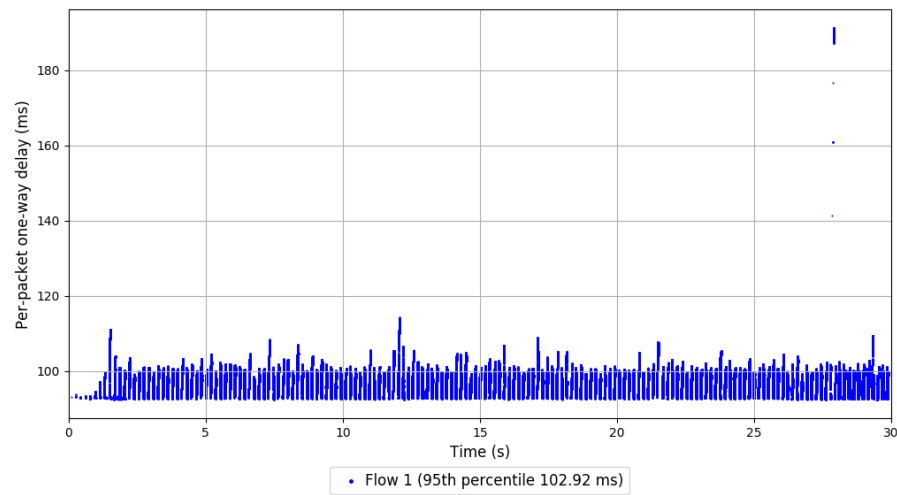
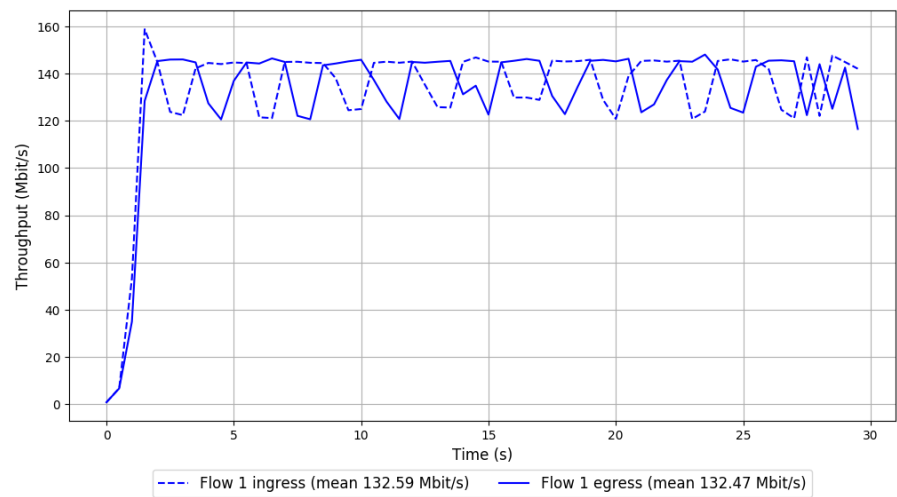
-- Flow 1:

Average throughput: 132.47 Mbit/s

95th percentile per-packet one-way delay: 102.921 ms

Loss rate: 0.67%

Run 10: Report of TCP Cubic — Data Link

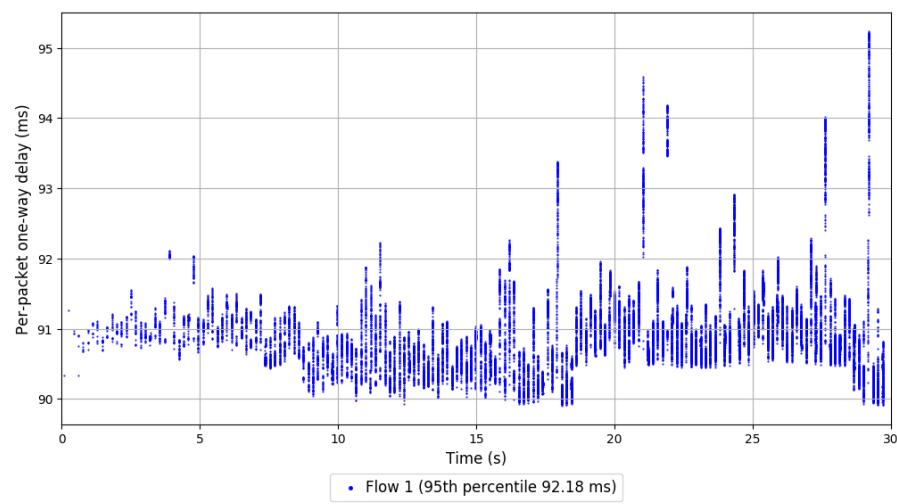
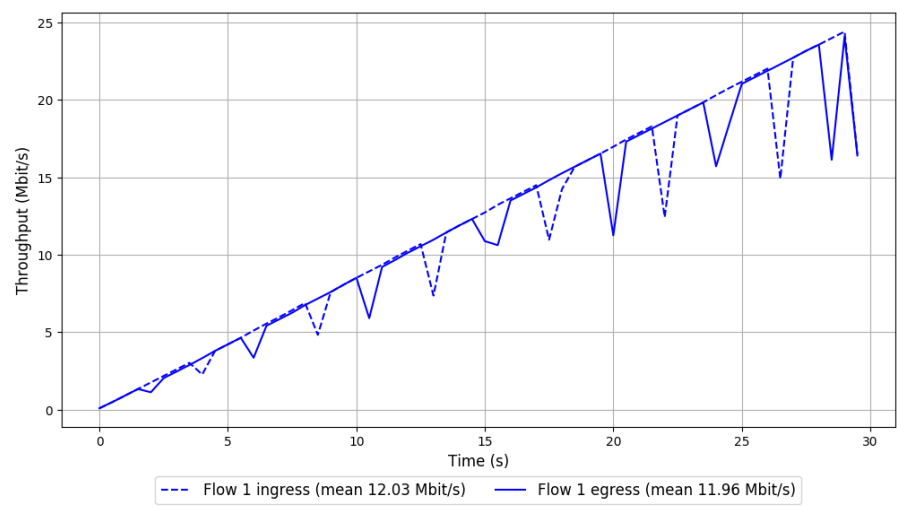


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 05:08:11
End at: 2018-04-24 05:08:41

# Below is generated by plot.py at 2018-04-24 09:50:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 92.179 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 92.179 ms
Loss rate: 1.16%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-04-24 05:21:58

End at: 2018-04-24 05:22:28

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 98.050 ms

Loss rate: 1.15%

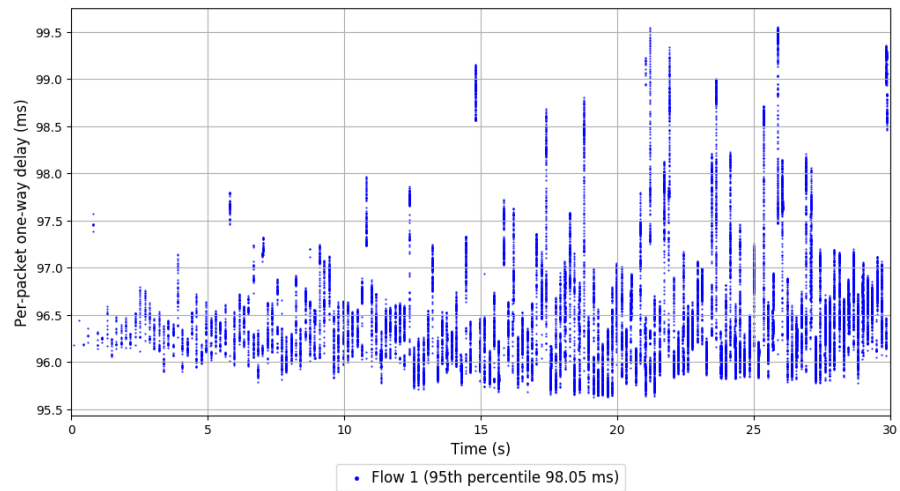
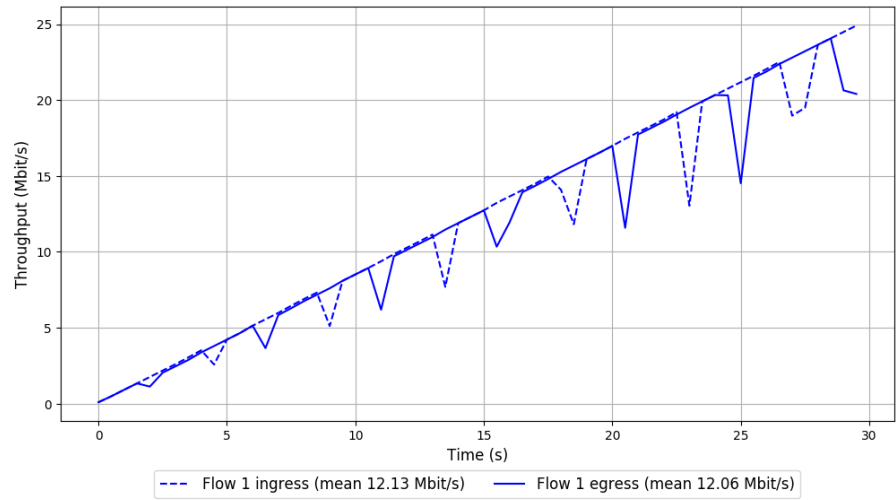
-- Flow 1:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 98.050 ms

Loss rate: 1.15%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-24 05:35:38

End at: 2018-04-24 05:36:08

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 104.605 ms

Loss rate: 1.19%

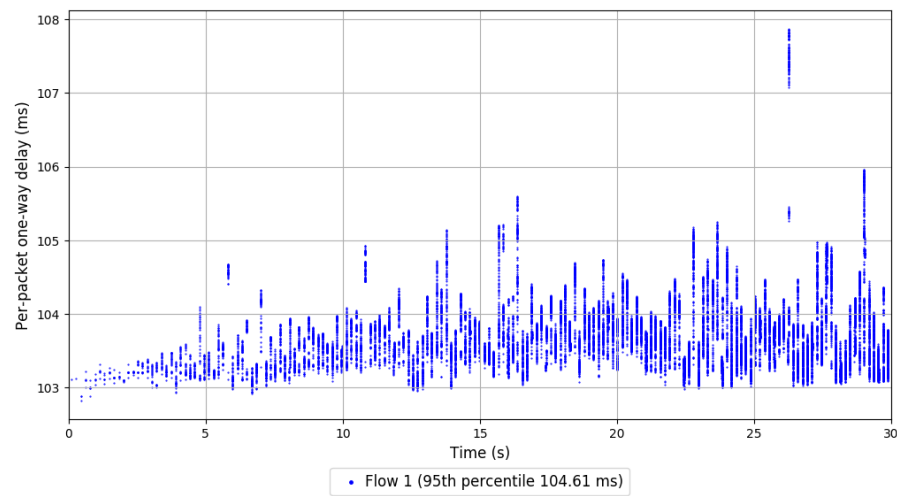
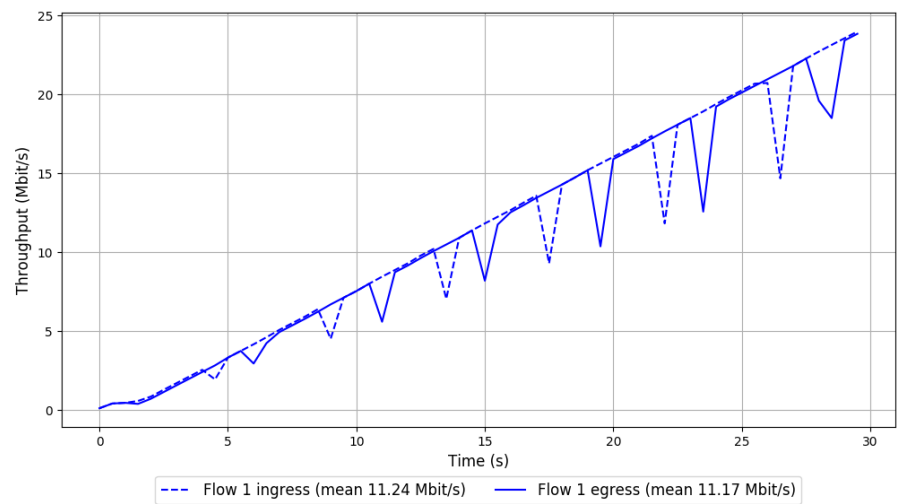
-- Flow 1:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 104.605 ms

Loss rate: 1.19%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-24 05:49:18

End at: 2018-04-24 05:49:48

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 101.891 ms

Loss rate: 1.15%

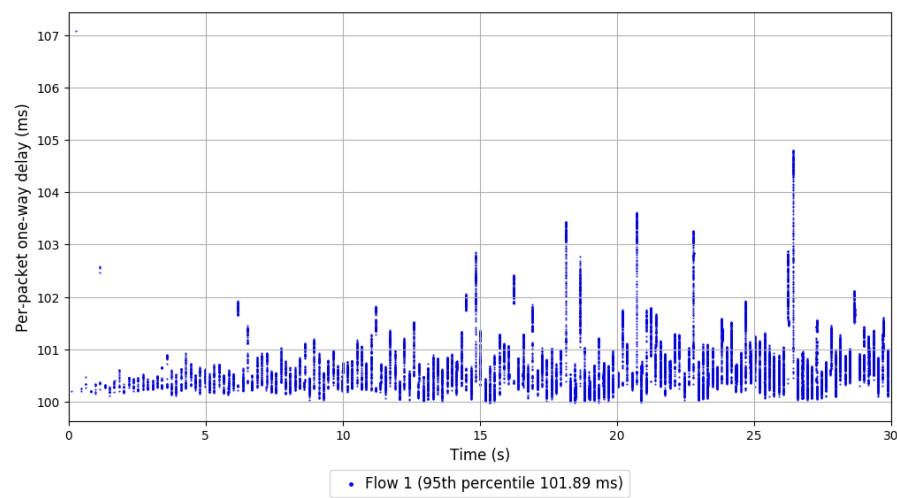
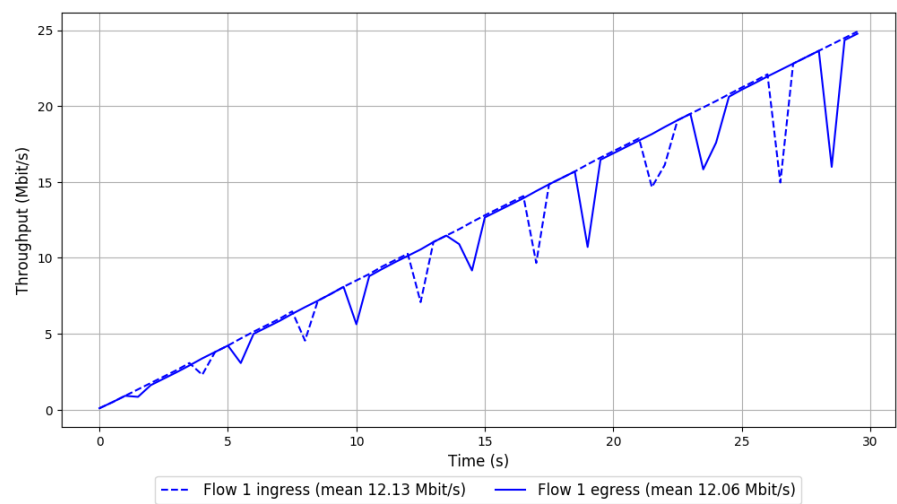
-- Flow 1:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 101.891 ms

Loss rate: 1.15%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-24 06:03:09

End at: 2018-04-24 06:03:39

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 110.330 ms

Loss rate: 1.15%

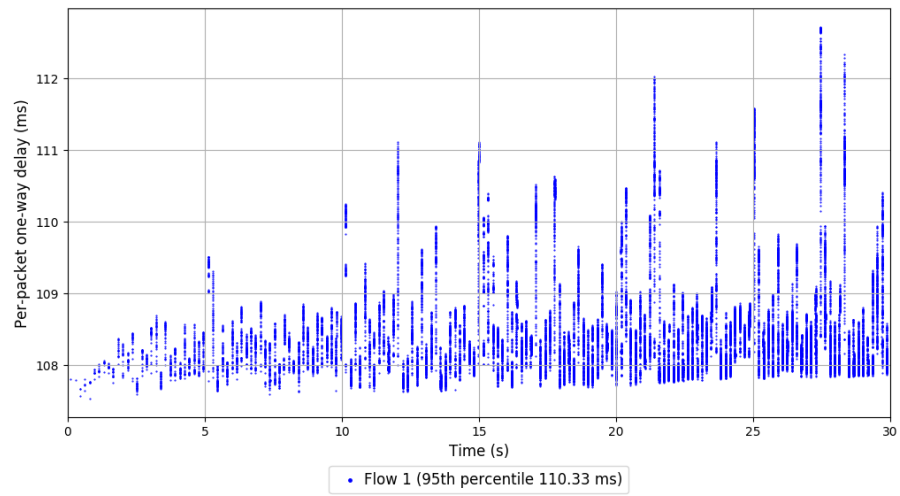
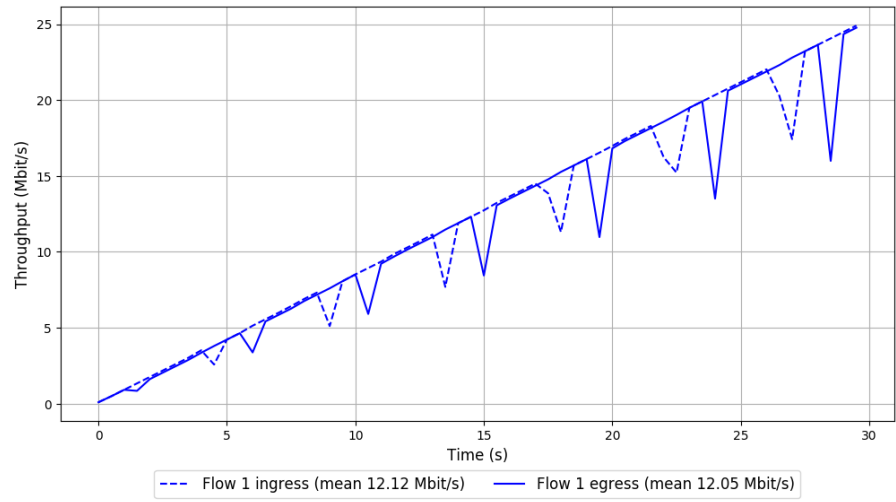
-- Flow 1:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 110.330 ms

Loss rate: 1.15%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-24 06:16:57

End at: 2018-04-24 06:17:27

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 105.008 ms

Loss rate: 1.16%

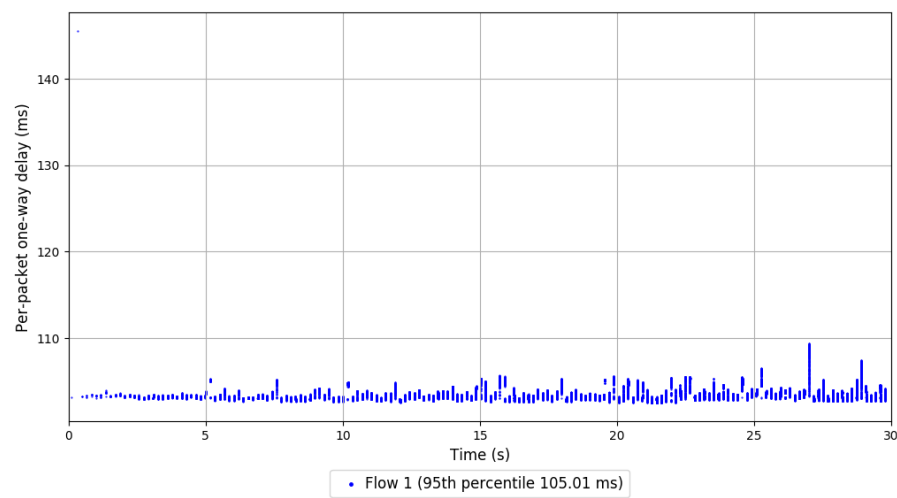
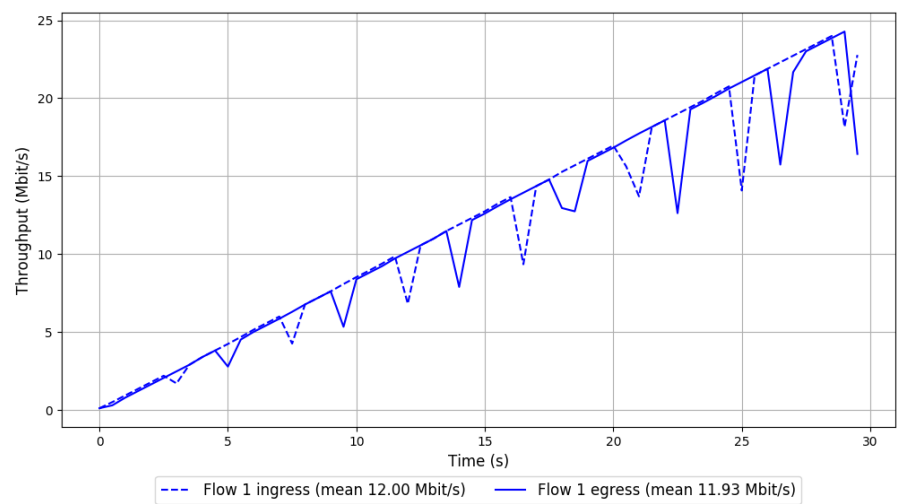
-- Flow 1:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 105.008 ms

Loss rate: 1.16%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-24 06:30:52

End at: 2018-04-24 06:31:22

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 98.686 ms

Loss rate: 1.15%

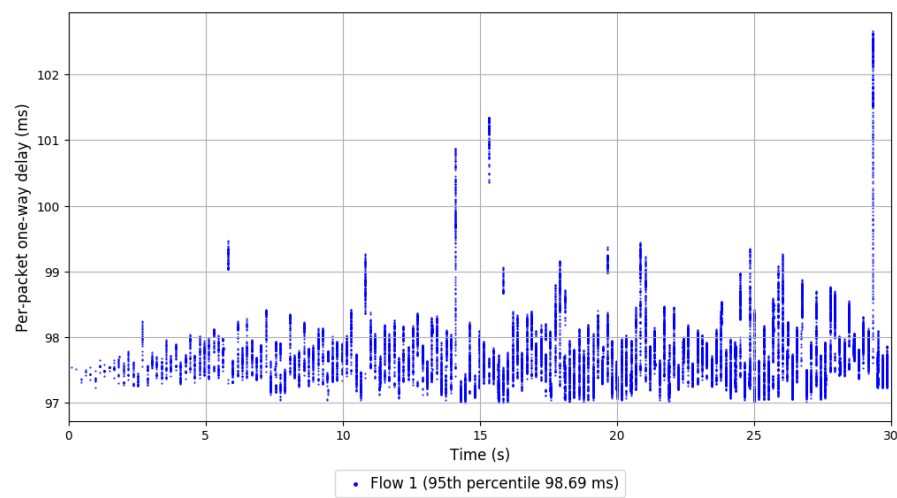
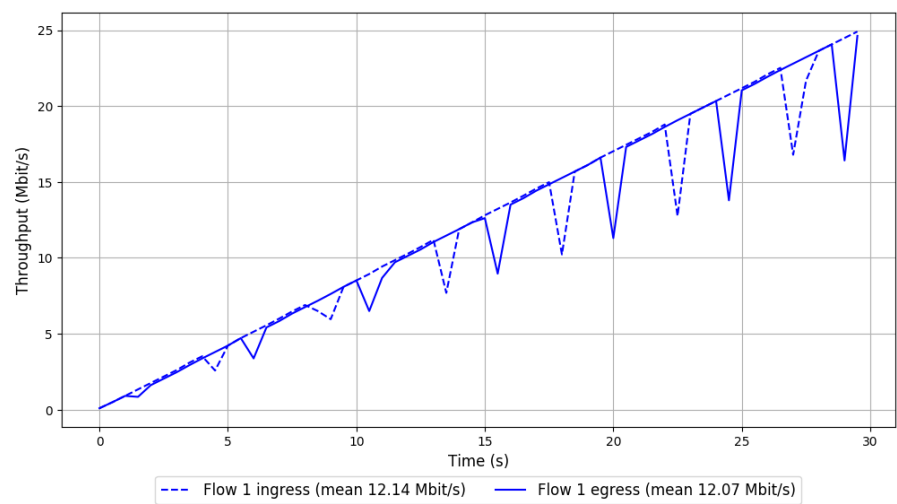
-- Flow 1:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 98.686 ms

Loss rate: 1.15%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 06:44:39

End at: 2018-04-24 06:45:10

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.32 Mbit/s

95th percentile per-packet one-way delay: 102.252 ms

Loss rate: 1.71%

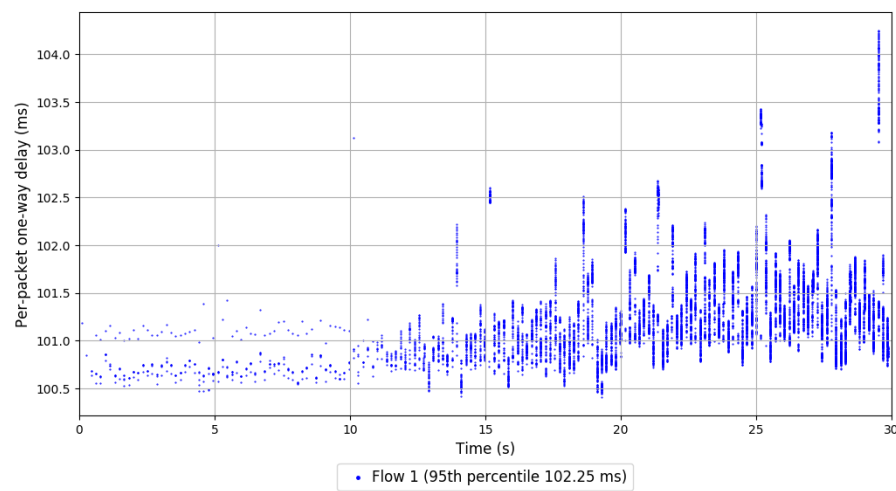
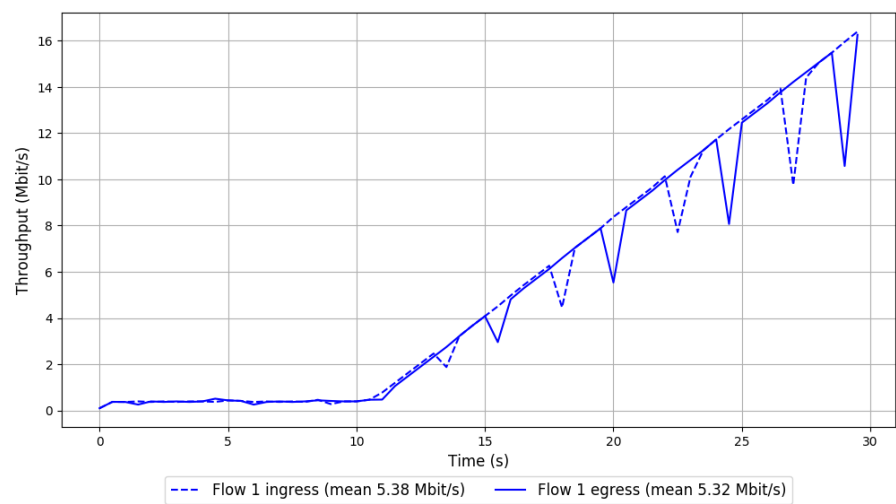
-- Flow 1:

Average throughput: 5.32 Mbit/s

95th percentile per-packet one-way delay: 102.252 ms

Loss rate: 1.71%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 06:58:24

End at: 2018-04-24 06:58:54

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 93.385 ms

Loss rate: 1.16%

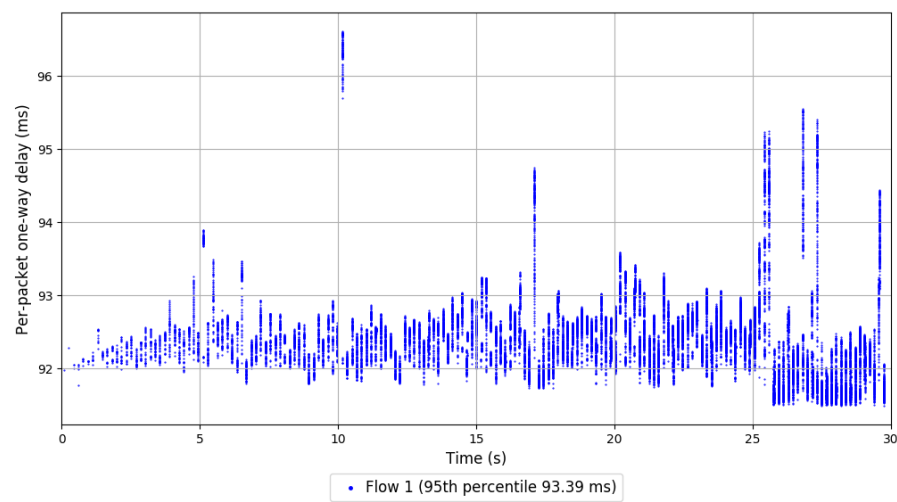
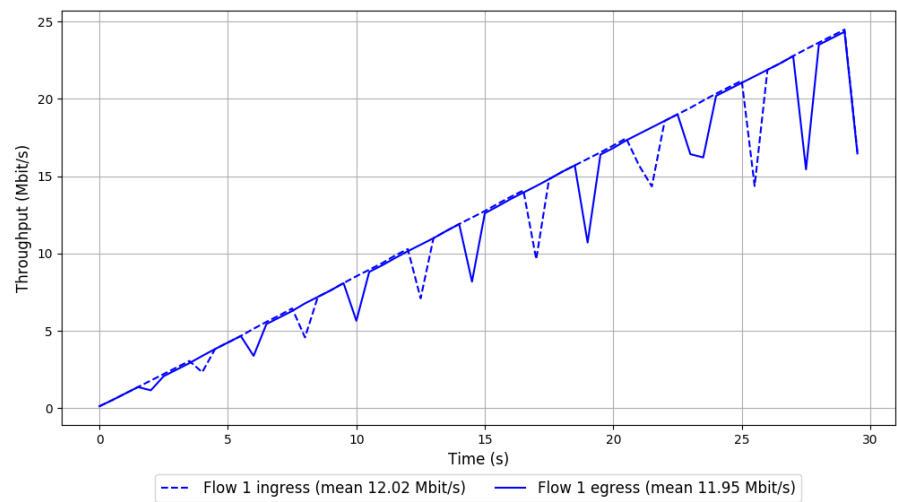
-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 93.385 ms

Loss rate: 1.16%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 07:12:07

End at: 2018-04-24 07:12:37

Below is generated by plot.py at 2018-04-24 09:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.05 Mbit/s

95th percentile per-packet one-way delay: 93.860 ms

Loss rate: 1.26%

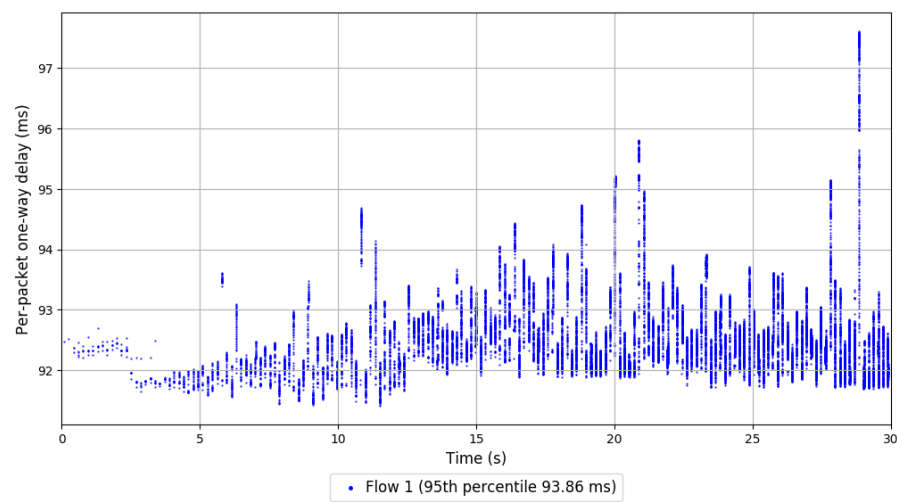
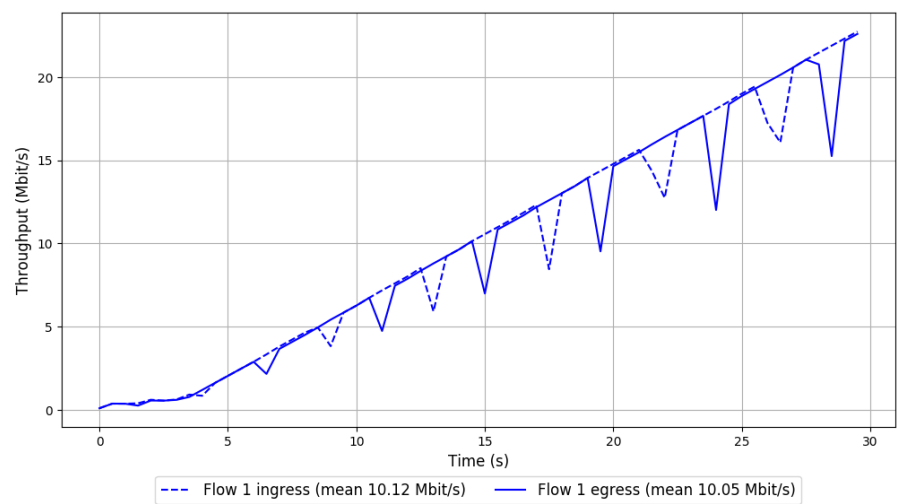
-- Flow 1:

Average throughput: 10.05 Mbit/s

95th percentile per-packet one-way delay: 93.860 ms

Loss rate: 1.26%

Run 10: Report of LEDBAT — Data Link

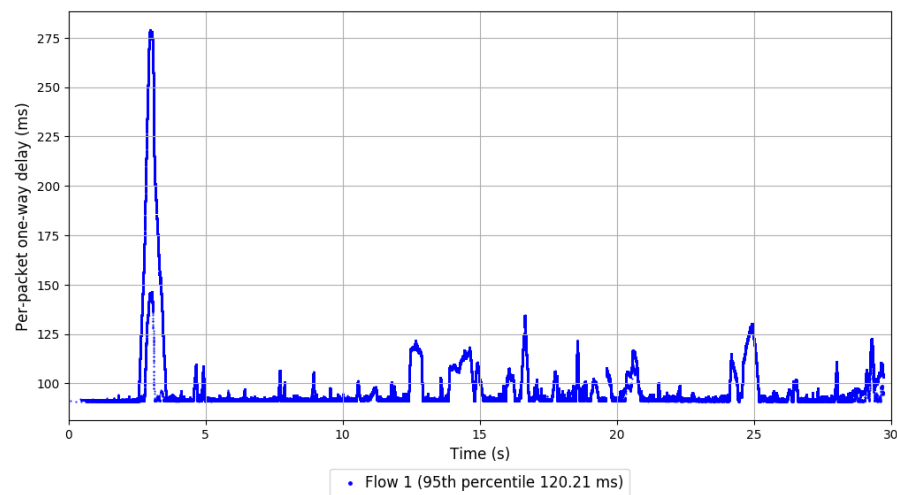
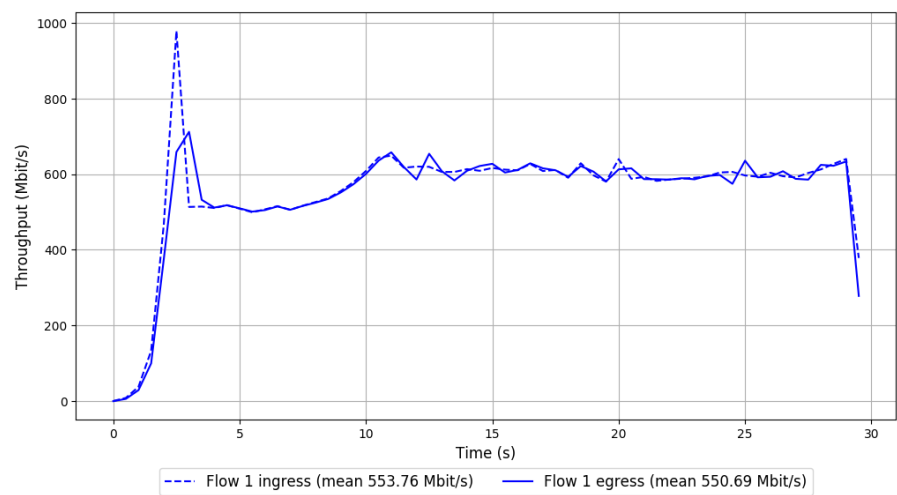


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 05:07:11
End at: 2018-04-24 05:07:41

# Below is generated by plot.py at 2018-04-24 09:58:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 550.69 Mbit/s
95th percentile per-packet one-way delay: 120.209 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 550.69 Mbit/s
95th percentile per-packet one-way delay: 120.209 ms
Loss rate: 1.13%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 05:20:58

End at: 2018-04-24 05:21:28

Below is generated by plot.py at 2018-04-24 09:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 564.90 Mbit/s

95th percentile per-packet one-way delay: 175.807 ms

Loss rate: 1.26%

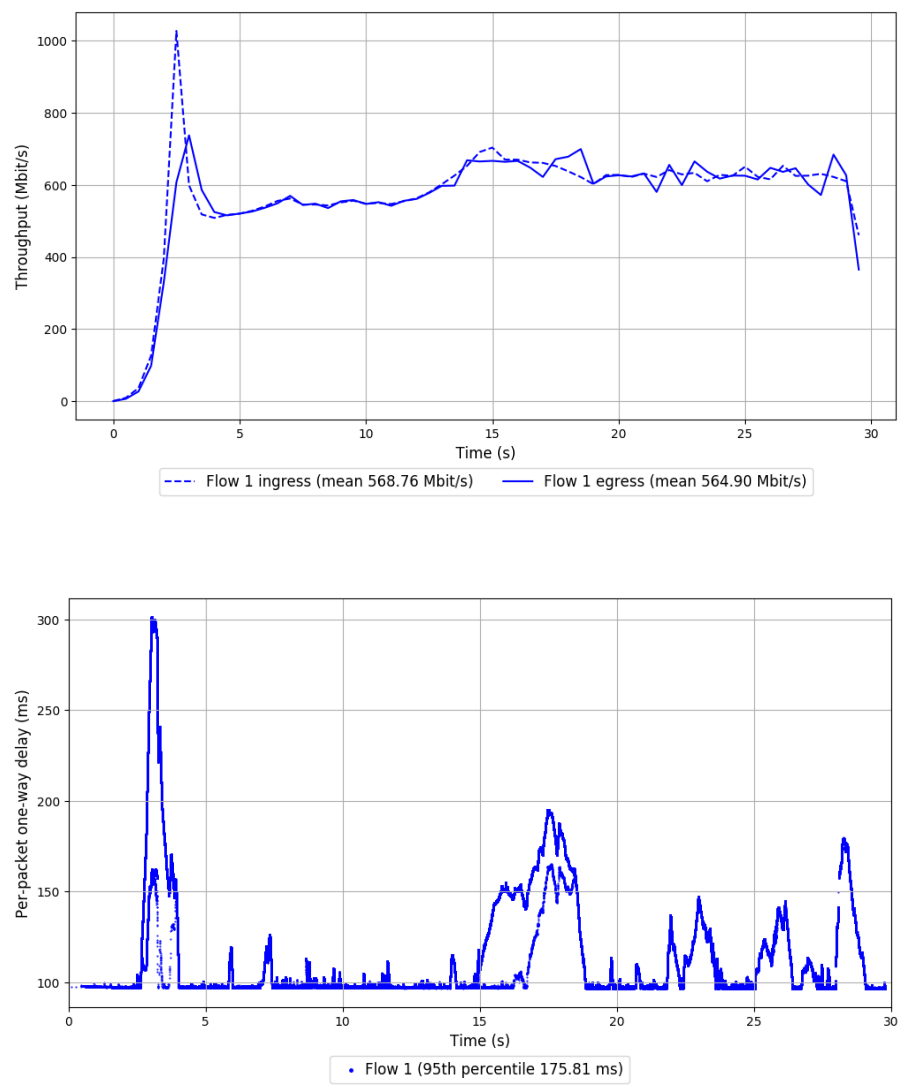
-- Flow 1:

Average throughput: 564.90 Mbit/s

95th percentile per-packet one-way delay: 175.807 ms

Loss rate: 1.26%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 05:34:38

End at: 2018-04-24 05:35:08

Below is generated by plot.py at 2018-04-24 09:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.76 Mbit/s

95th percentile per-packet one-way delay: 159.946 ms

Loss rate: 1.48%

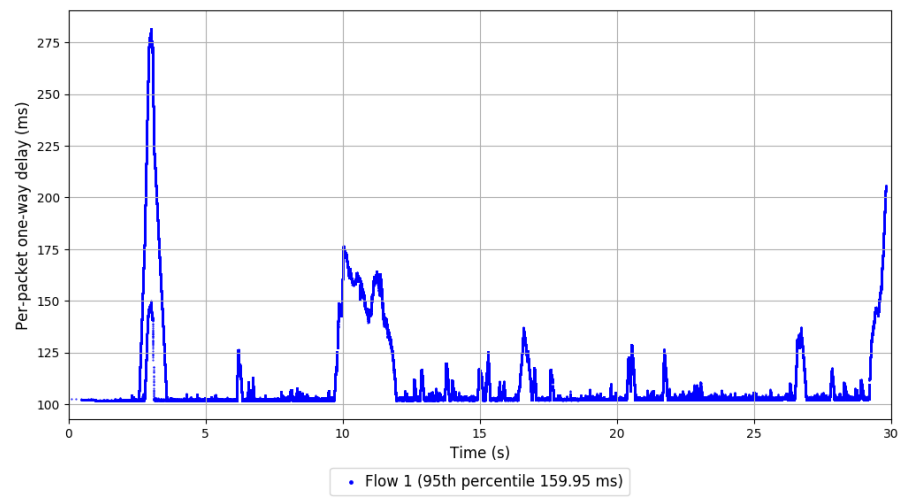
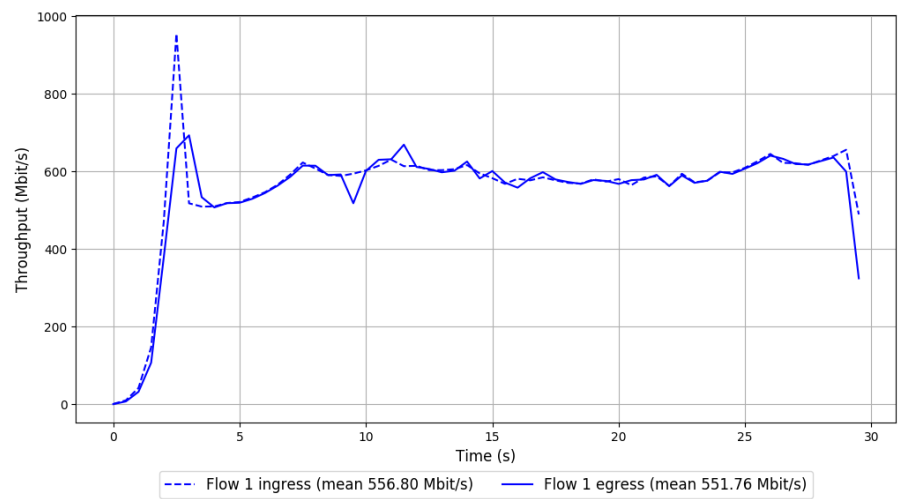
-- Flow 1:

Average throughput: 551.76 Mbit/s

95th percentile per-packet one-way delay: 159.946 ms

Loss rate: 1.48%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 05:48:18

End at: 2018-04-24 05:48:48

Below is generated by plot.py at 2018-04-24 09:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 549.63 Mbit/s

95th percentile per-packet one-way delay: 151.330 ms

Loss rate: 1.33%

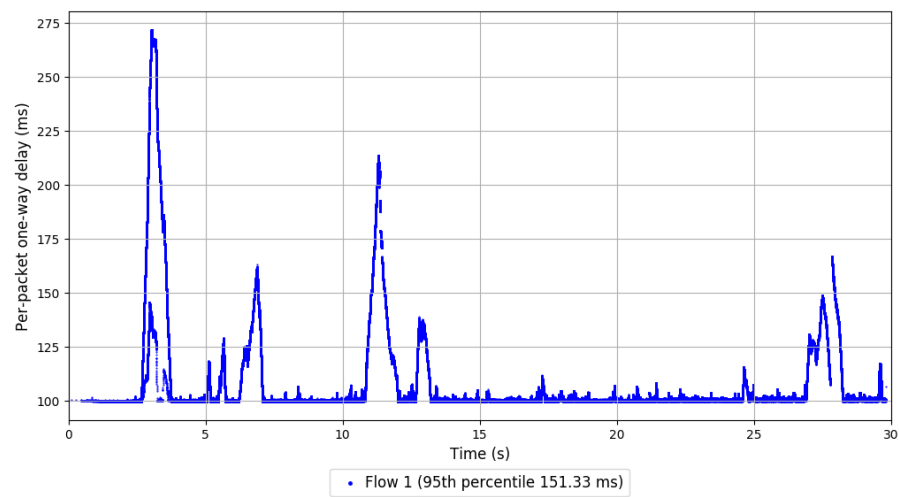
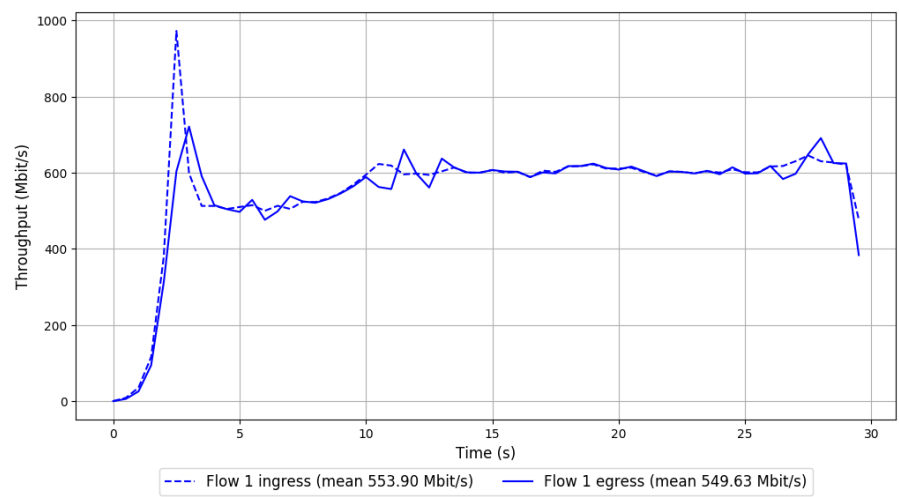
-- Flow 1:

Average throughput: 549.63 Mbit/s

95th percentile per-packet one-way delay: 151.330 ms

Loss rate: 1.33%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 06:02:10

End at: 2018-04-24 06:02:40

Below is generated by plot.py at 2018-04-24 09:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.40 Mbit/s

95th percentile per-packet one-way delay: 168.943 ms

Loss rate: 1.58%

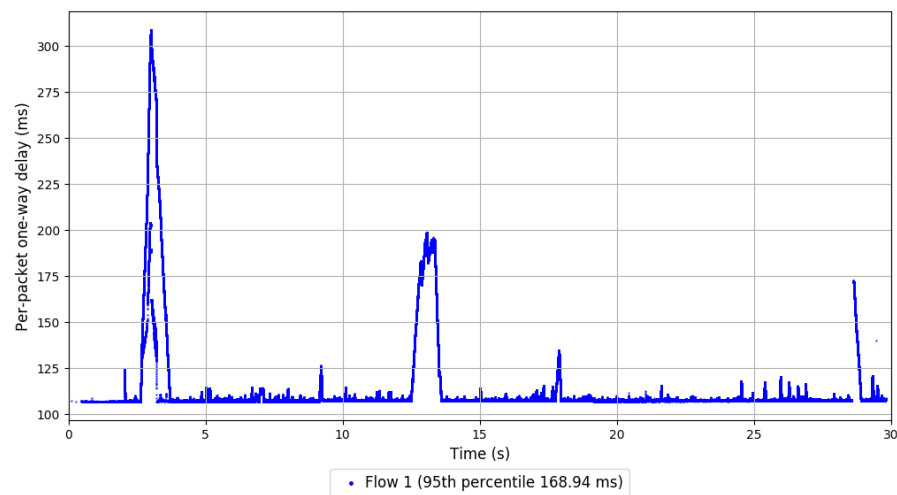
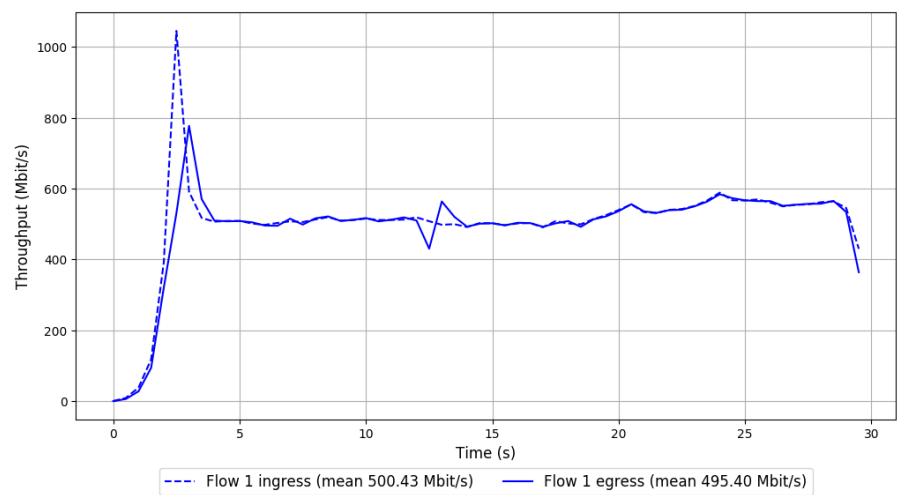
-- Flow 1:

Average throughput: 495.40 Mbit/s

95th percentile per-packet one-way delay: 168.943 ms

Loss rate: 1.58%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 06:15:59

End at: 2018-04-24 06:16:29

Below is generated by plot.py at 2018-04-24 09:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.47 Mbit/s

95th percentile per-packet one-way delay: 143.136 ms

Loss rate: 1.42%

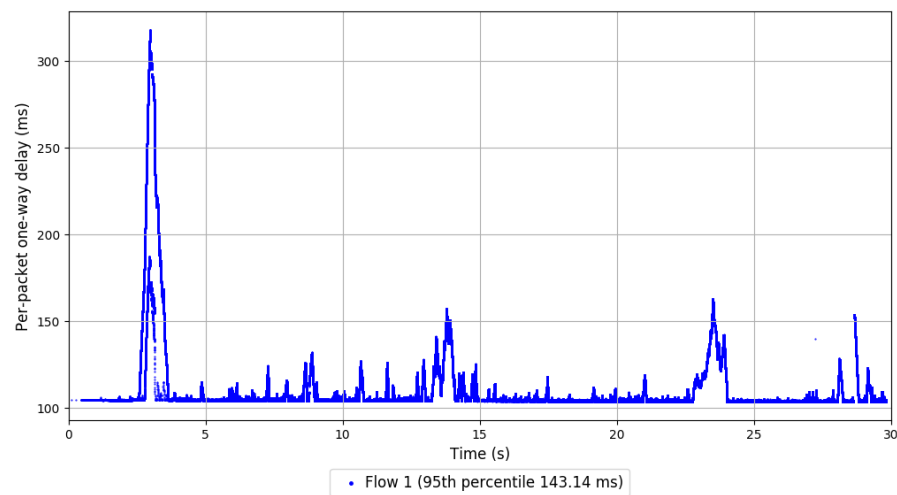
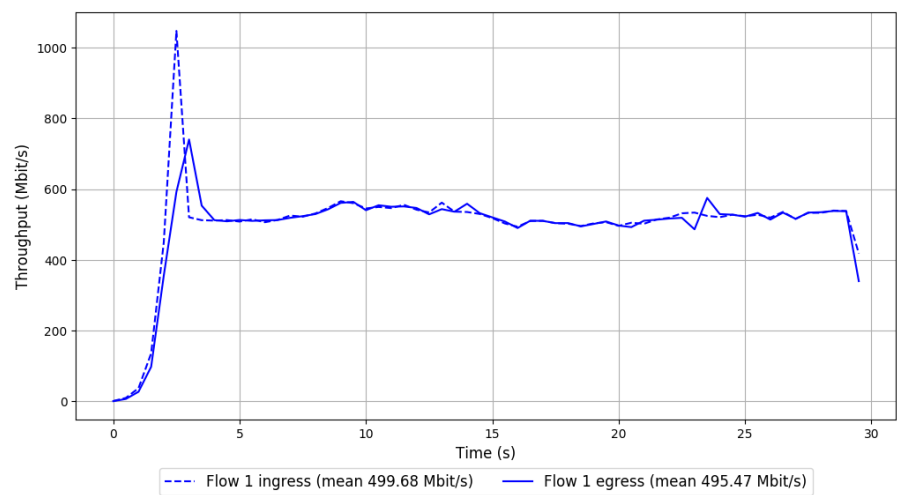
-- Flow 1:

Average throughput: 495.47 Mbit/s

95th percentile per-packet one-way delay: 143.136 ms

Loss rate: 1.42%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 06:29:52

End at: 2018-04-24 06:30:22

Below is generated by plot.py at 2018-04-24 09:59:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 536.48 Mbit/s

95th percentile per-packet one-way delay: 153.666 ms

Loss rate: 1.18%

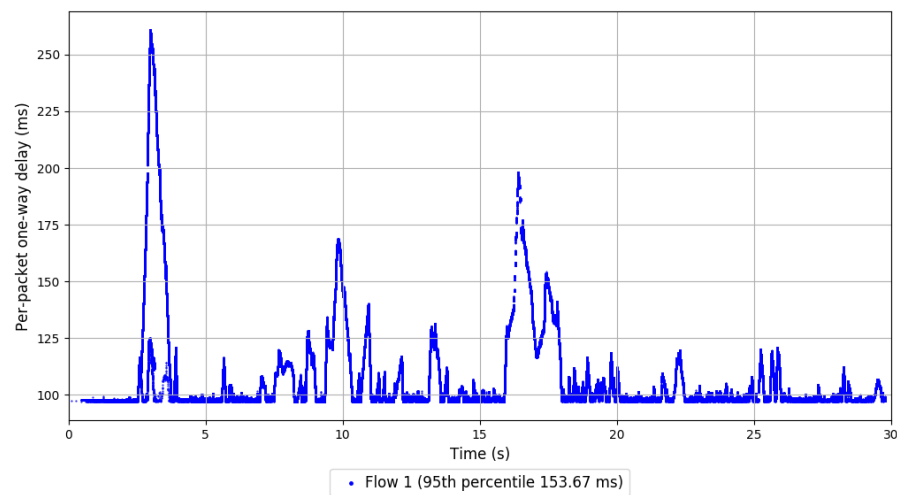
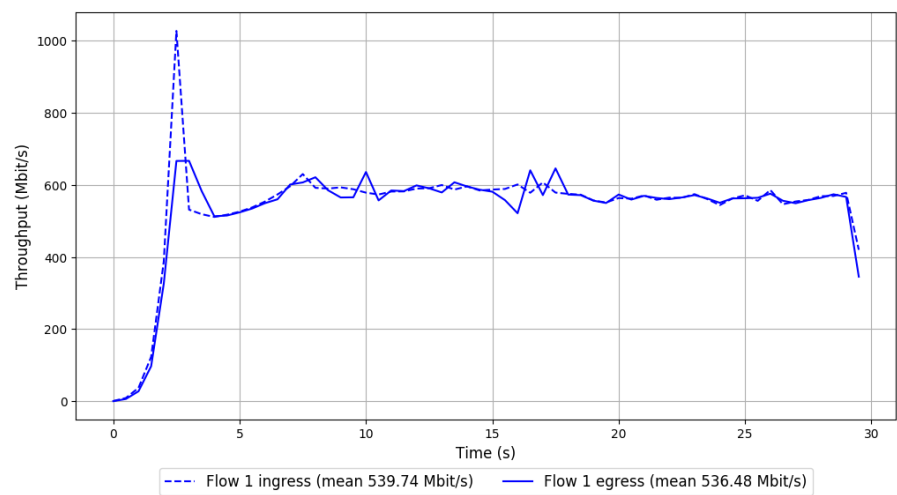
-- Flow 1:

Average throughput: 536.48 Mbit/s

95th percentile per-packet one-way delay: 153.666 ms

Loss rate: 1.18%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 06:43:42

End at: 2018-04-24 06:44:12

Below is generated by plot.py at 2018-04-24 09:59:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 479.68 Mbit/s

95th percentile per-packet one-way delay: 183.241 ms

Loss rate: 1.24%

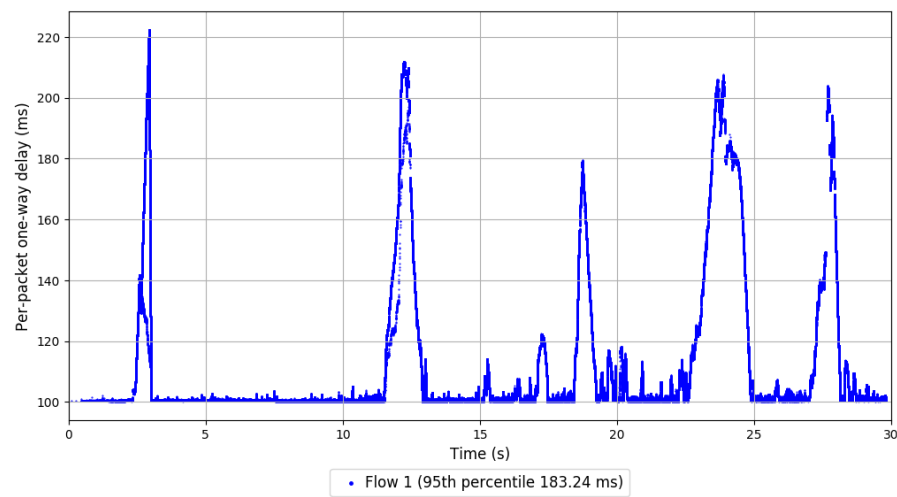
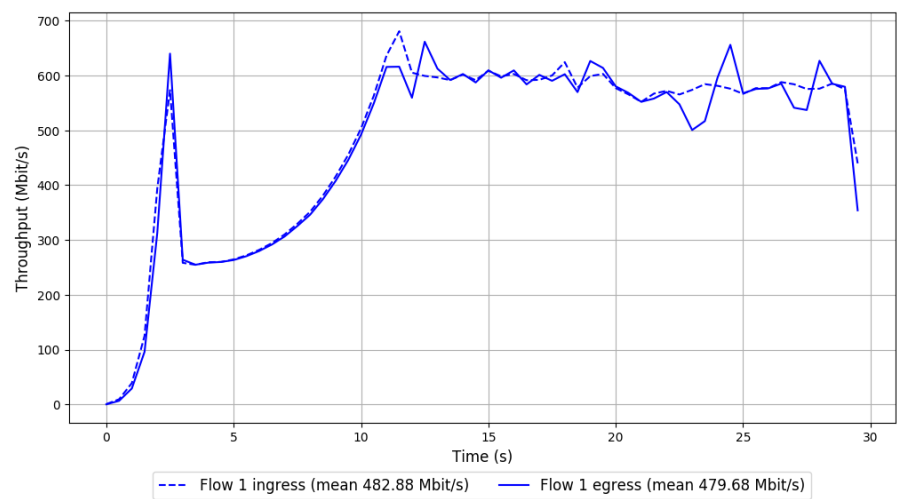
-- Flow 1:

Average throughput: 479.68 Mbit/s

95th percentile per-packet one-way delay: 183.241 ms

Loss rate: 1.24%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 06:57:23

End at: 2018-04-24 06:57:53

Below is generated by plot.py at 2018-04-24 10:08:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.49 Mbit/s

95th percentile per-packet one-way delay: 145.882 ms

Loss rate: 1.42%

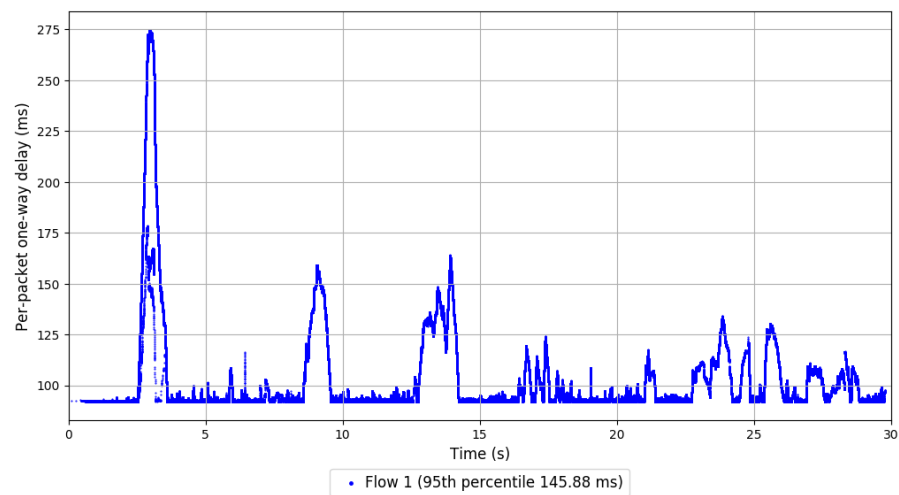
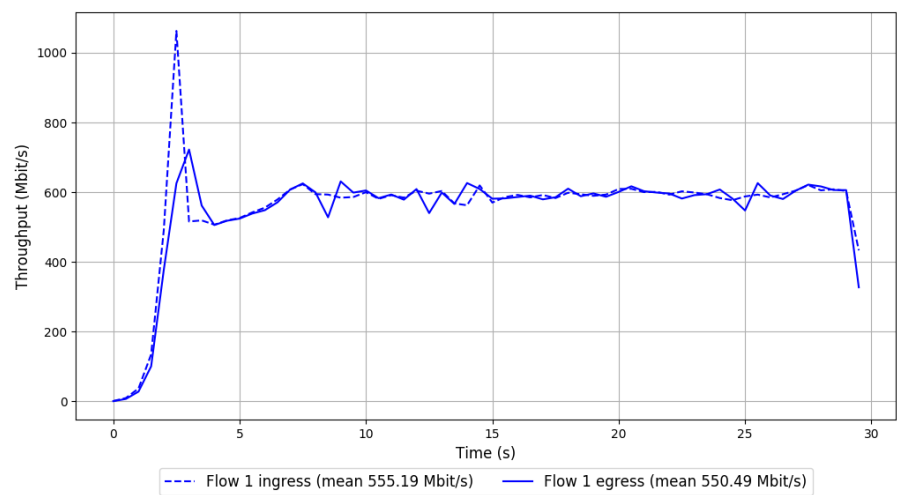
-- Flow 1:

Average throughput: 550.49 Mbit/s

95th percentile per-packet one-way delay: 145.882 ms

Loss rate: 1.42%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 07:11:07

End at: 2018-04-24 07:11:37

Below is generated by plot.py at 2018-04-24 10:08:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.76 Mbit/s

95th percentile per-packet one-way delay: 170.701 ms

Loss rate: 1.46%

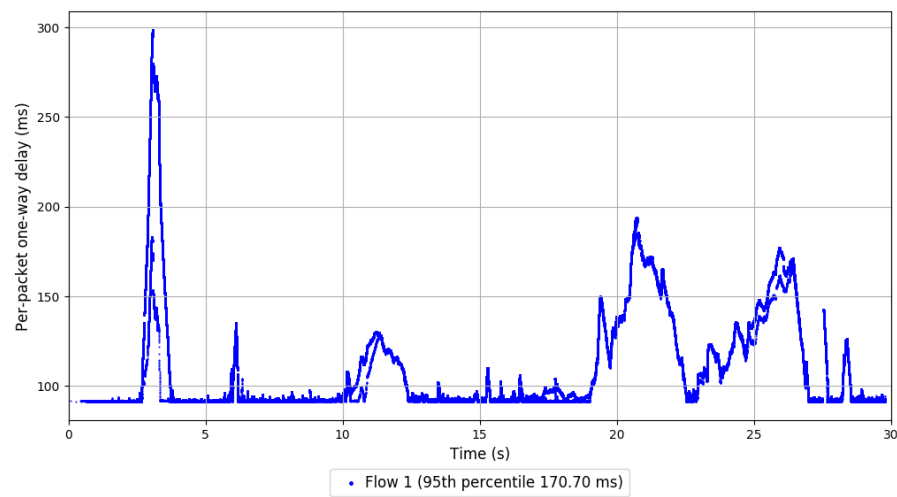
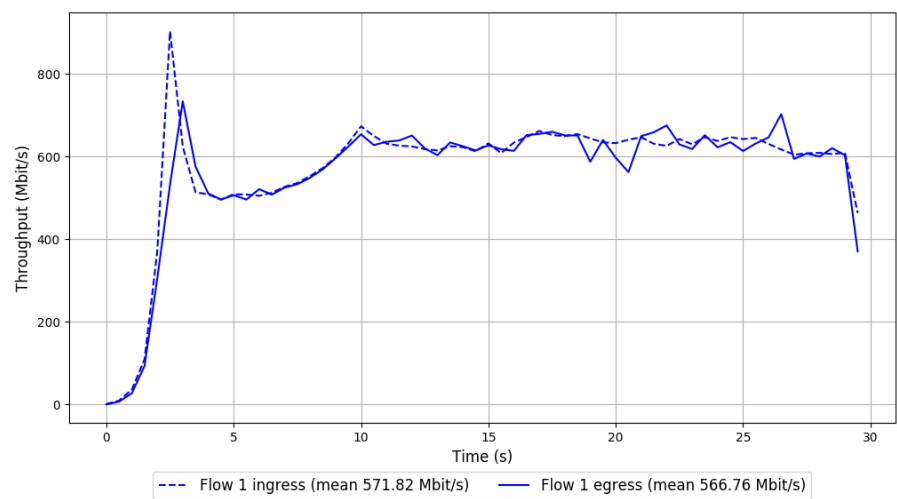
-- Flow 1:

Average throughput: 566.76 Mbit/s

95th percentile per-packet one-way delay: 170.701 ms

Loss rate: 1.46%

Run 10: Report of PCC-Allegro — Data Link

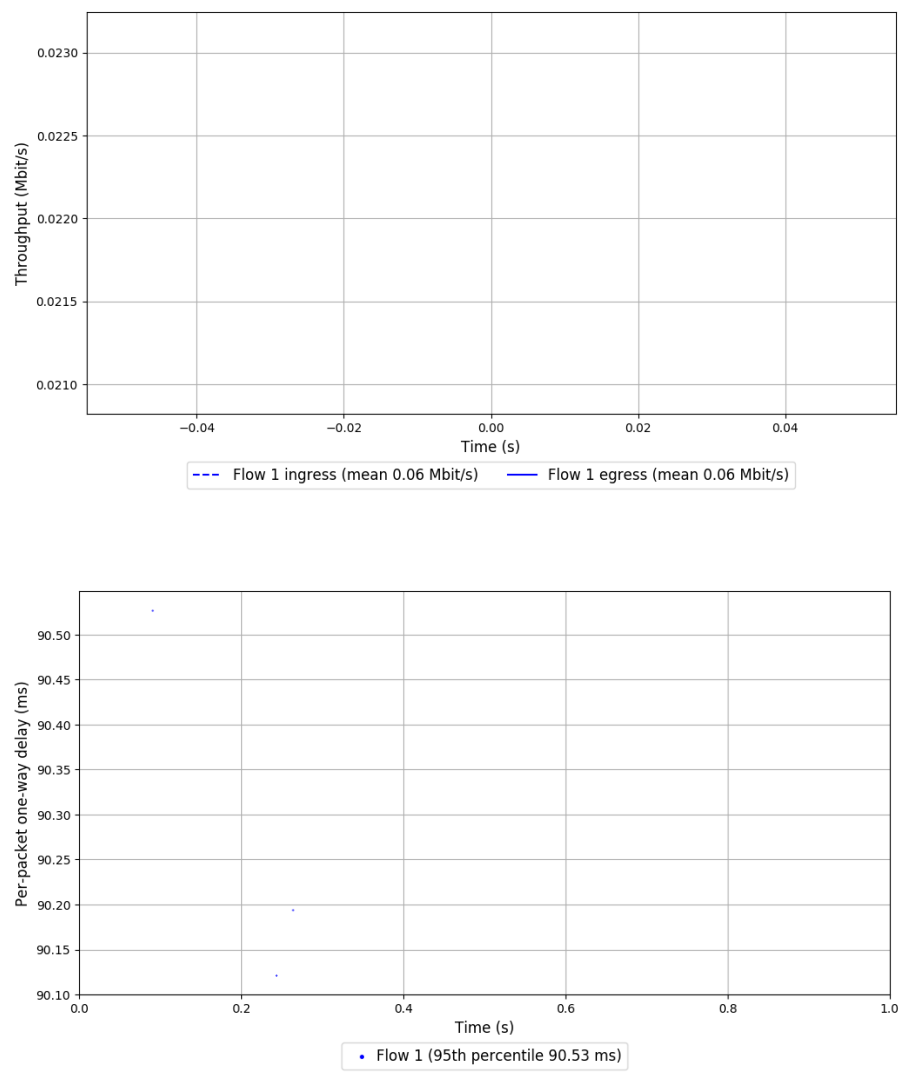


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 05:06:32

End at: 2018-04-24 05:07:02

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 05:20:15

End at: 2018-04-24 05:20:45

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 98.292 ms

Loss rate: 0.88%

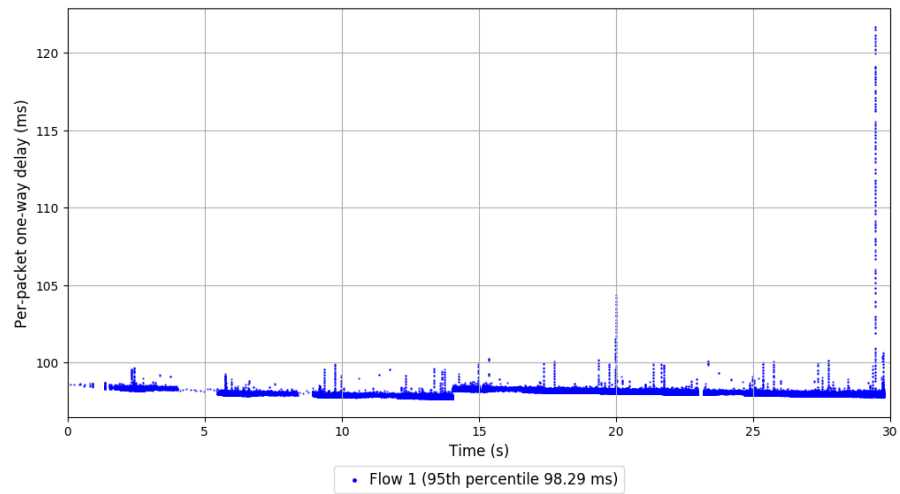
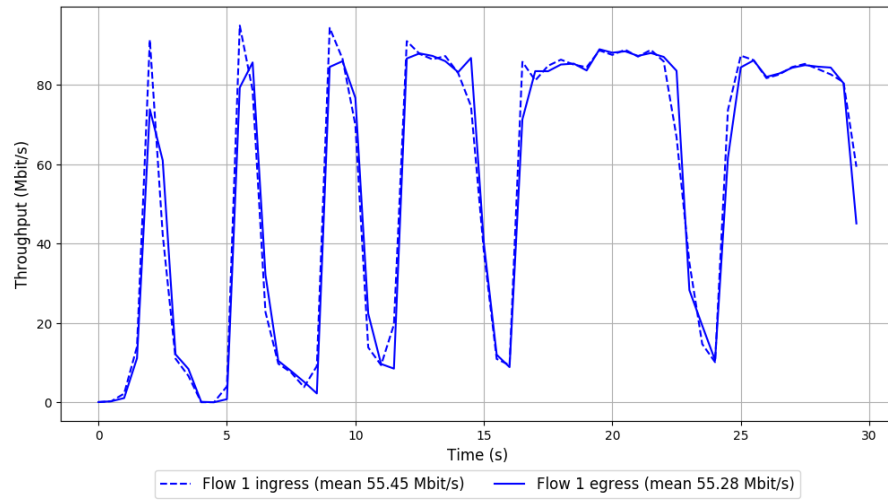
-- Flow 1:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 98.292 ms

Loss rate: 0.88%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 05:33:56

End at: 2018-04-24 05:34:26

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 101.999 ms

Loss rate: 0.92%

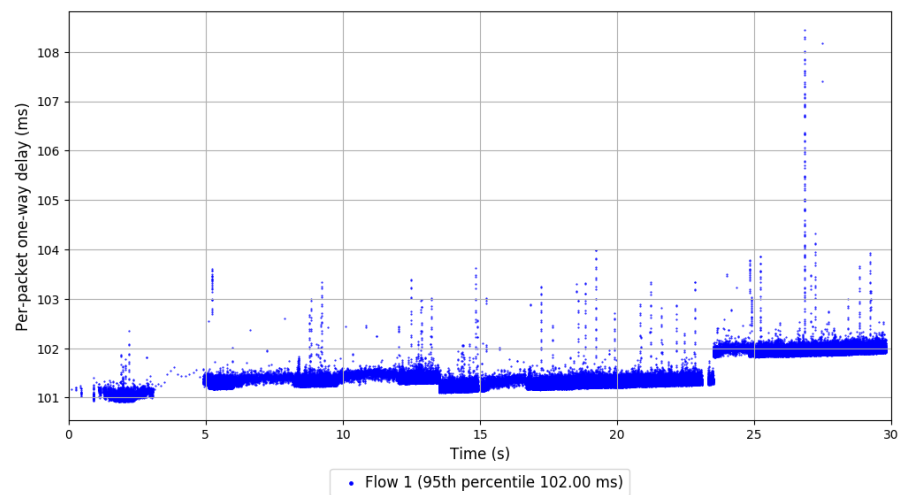
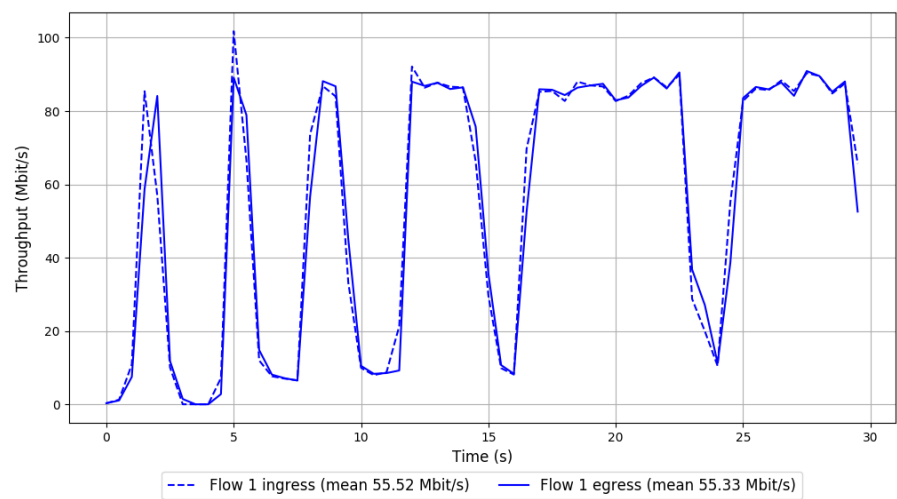
-- Flow 1:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 101.999 ms

Loss rate: 0.92%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 05:47:36

End at: 2018-04-24 05:48:06

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 100.236 ms

Loss rate: 0.83%

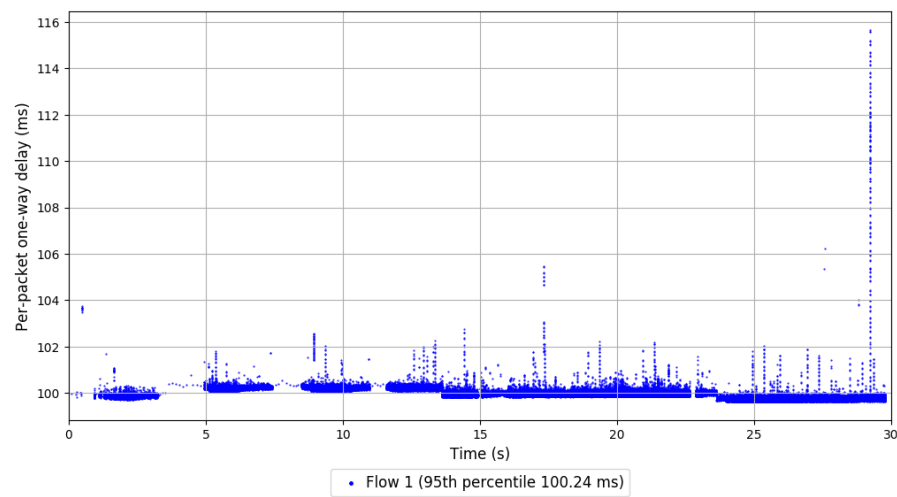
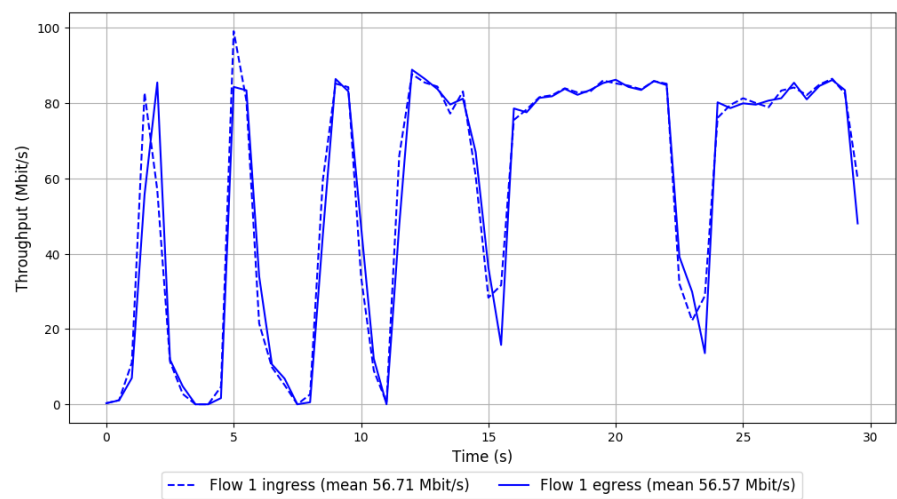
-- Flow 1:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 100.236 ms

Loss rate: 0.83%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 06:01:28

End at: 2018-04-24 06:01:58

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.27 Mbit/s

95th percentile per-packet one-way delay: 106.847 ms

Loss rate: 0.88%

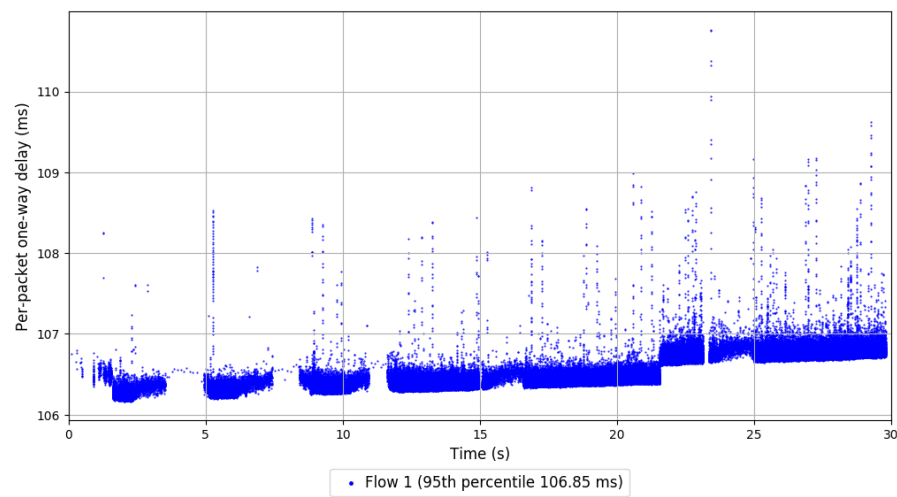
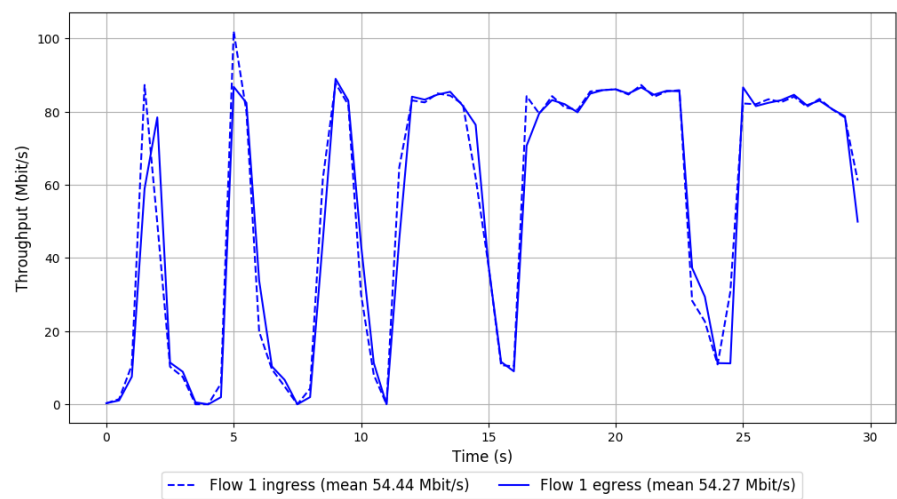
-- Flow 1:

Average throughput: 54.27 Mbit/s

95th percentile per-packet one-way delay: 106.847 ms

Loss rate: 0.88%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 06:15:17

End at: 2018-04-24 06:15:47

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.84 Mbit/s

95th percentile per-packet one-way delay: 105.439 ms

Loss rate: 0.89%

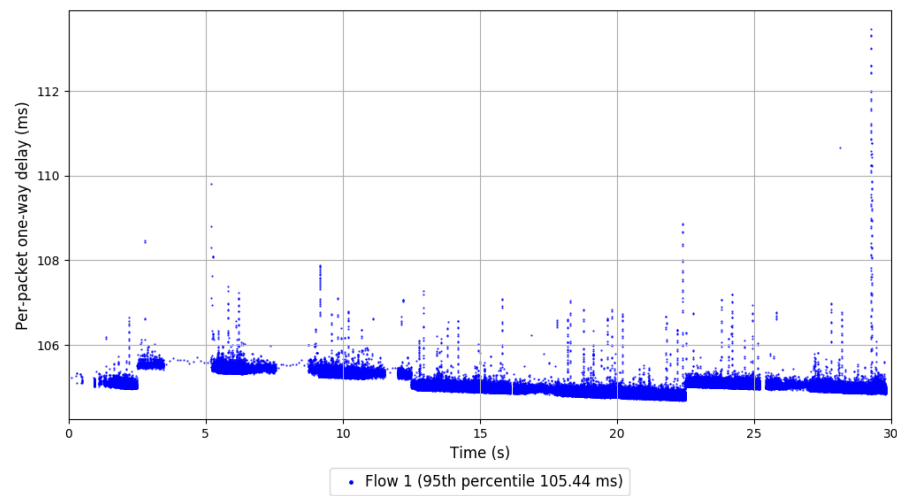
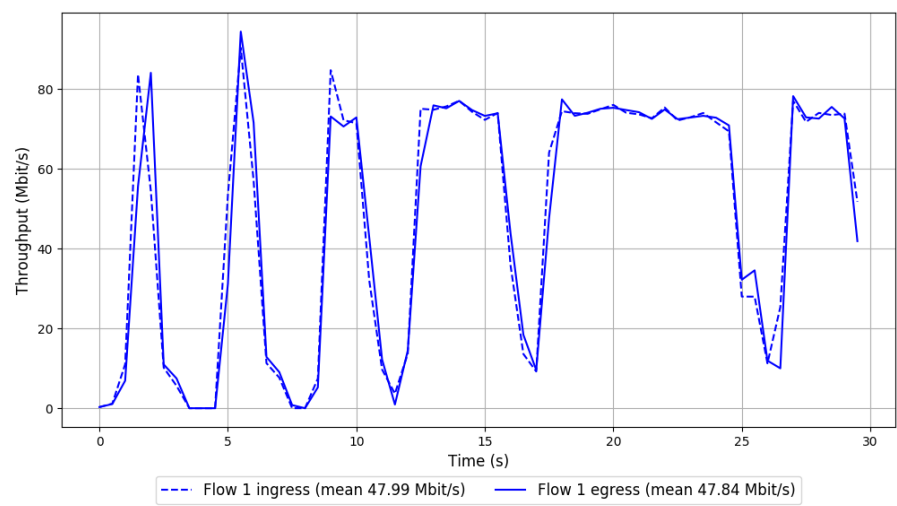
-- Flow 1:

Average throughput: 47.84 Mbit/s

95th percentile per-packet one-way delay: 105.439 ms

Loss rate: 0.89%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 06:29:10

End at: 2018-04-24 06:29:40

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.12 Mbit/s

95th percentile per-packet one-way delay: 97.645 ms

Loss rate: 0.91%

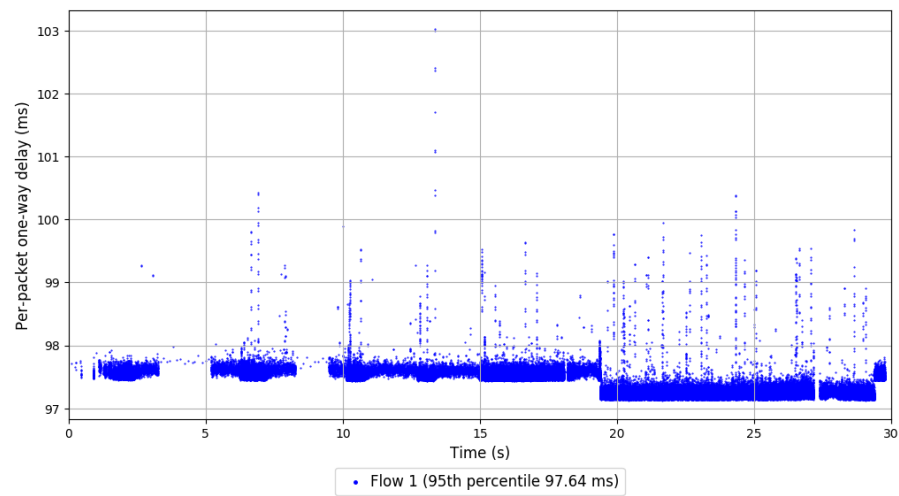
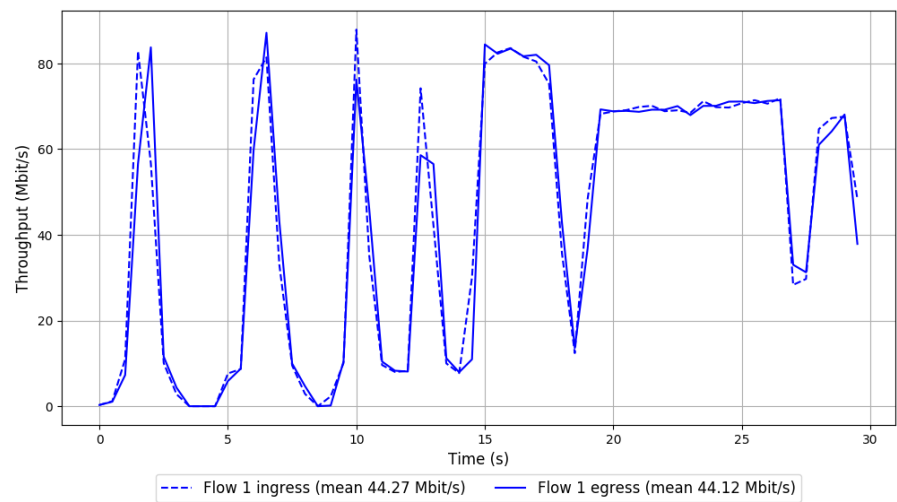
-- Flow 1:

Average throughput: 44.12 Mbit/s

95th percentile per-packet one-way delay: 97.645 ms

Loss rate: 0.91%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 06:42:59

End at: 2018-04-24 06:43:29

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.82 Mbit/s

95th percentile per-packet one-way delay: 100.604 ms

Loss rate: 0.87%

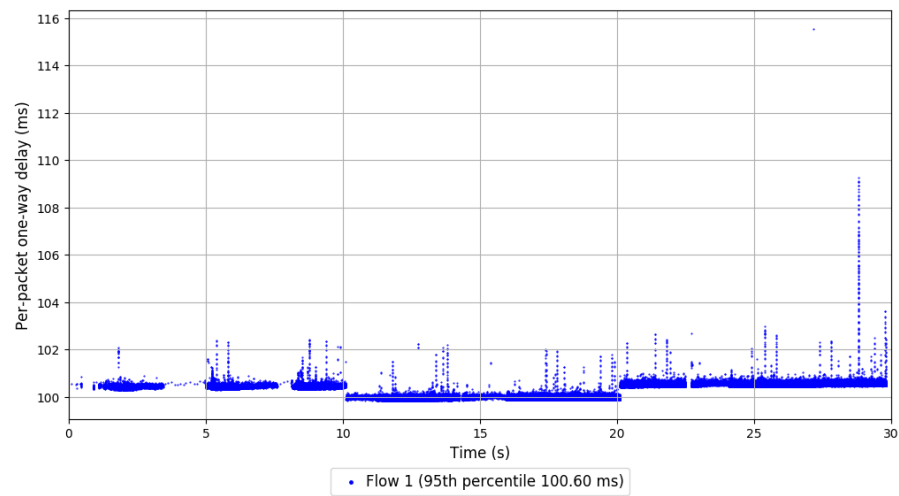
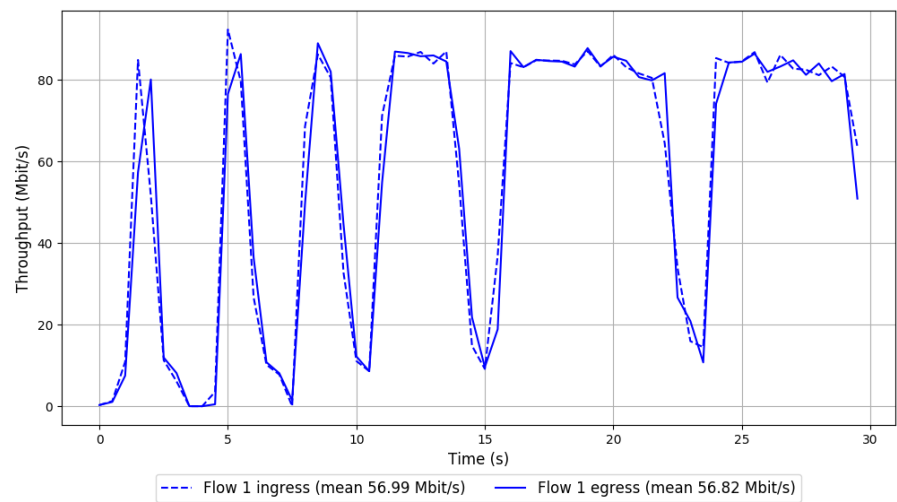
-- Flow 1:

Average throughput: 56.82 Mbit/s

95th percentile per-packet one-way delay: 100.604 ms

Loss rate: 0.87%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 06:56:41

End at: 2018-04-24 06:57:11

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.11 Mbit/s

95th percentile per-packet one-way delay: 92.168 ms

Loss rate: 0.92%

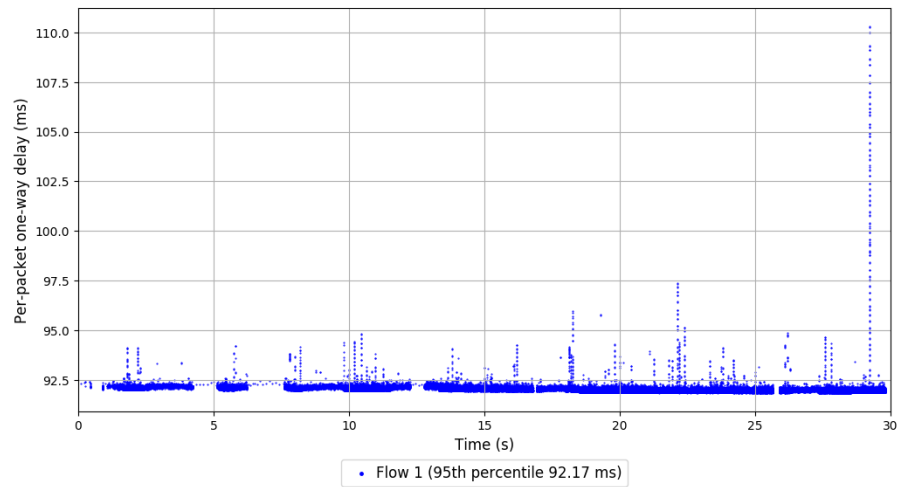
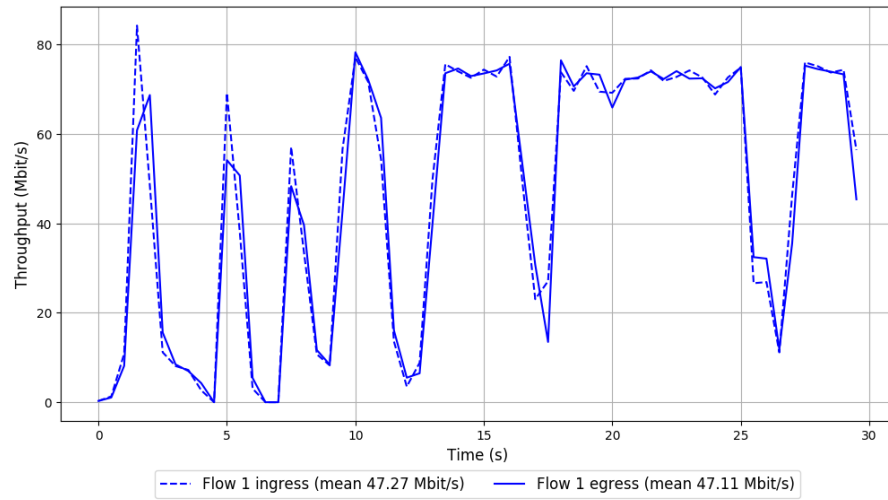
-- Flow 1:

Average throughput: 47.11 Mbit/s

95th percentile per-packet one-way delay: 92.168 ms

Loss rate: 0.92%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 07:10:24

End at: 2018-04-24 07:10:54

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 91.970 ms

Loss rate: 0.84%

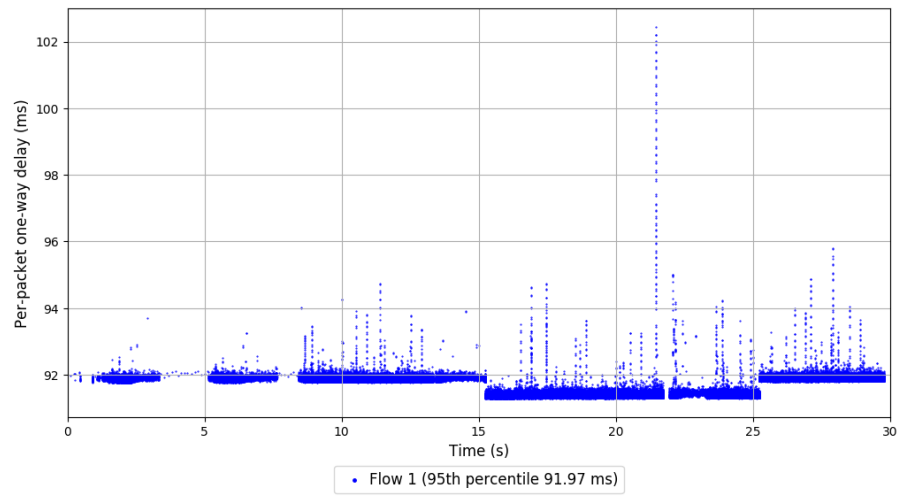
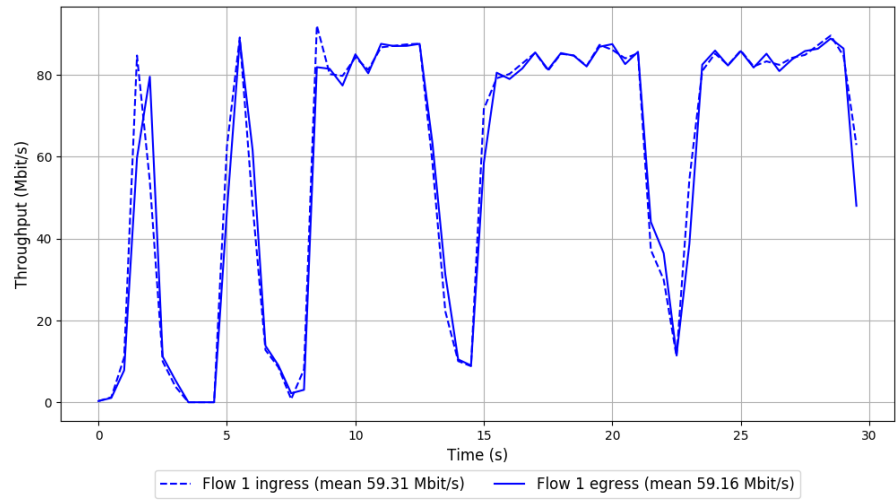
-- Flow 1:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 91.970 ms

Loss rate: 0.84%

Run 10: Report of QUIC Cubic — Data Link

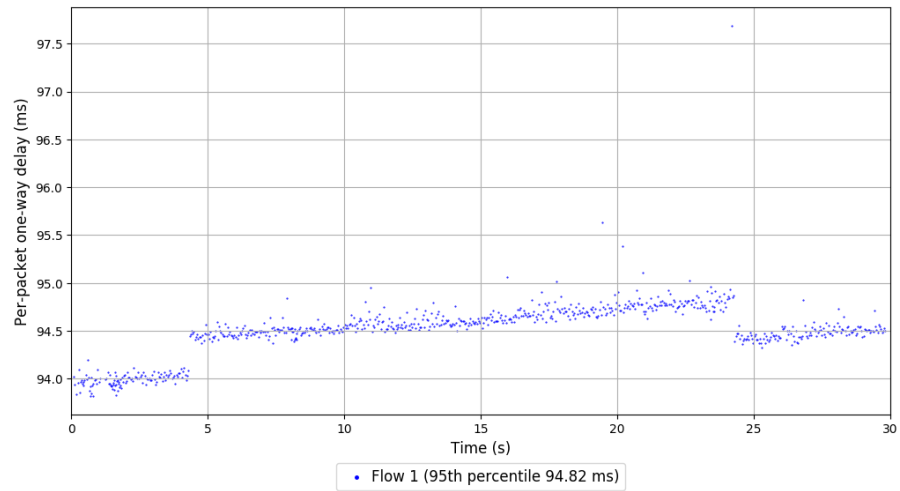
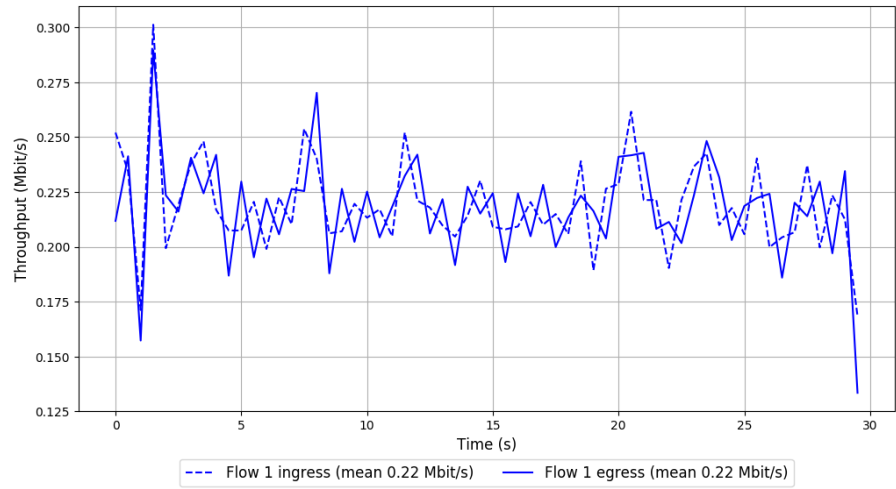


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 05:16:35
End at: 2018-04-24 05:17:05

# Below is generated by plot.py at 2018-04-24 10:08:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.819 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.819 ms
Loss rate: 0.52%
```

Run 1: Report of SReAM — Data Link

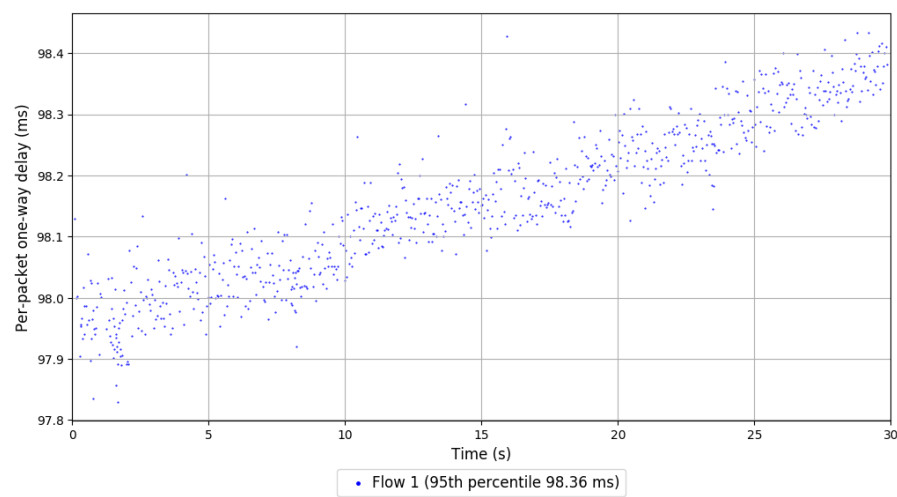
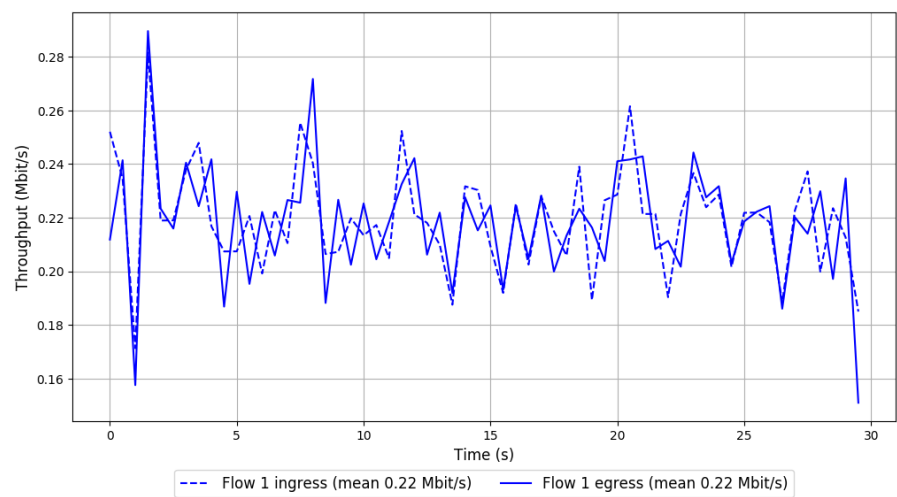


```
Run 2: Statistics of SCReAM

Start at: 2018-04-24 05:30:18
End at: 2018-04-24 05:30:48

# Below is generated by plot.py at 2018-04-24 10:08:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.364 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.364 ms
Loss rate: 0.51%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-24 05:43:58

End at: 2018-04-24 05:44:28

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 100.477 ms

Loss rate: 0.51%

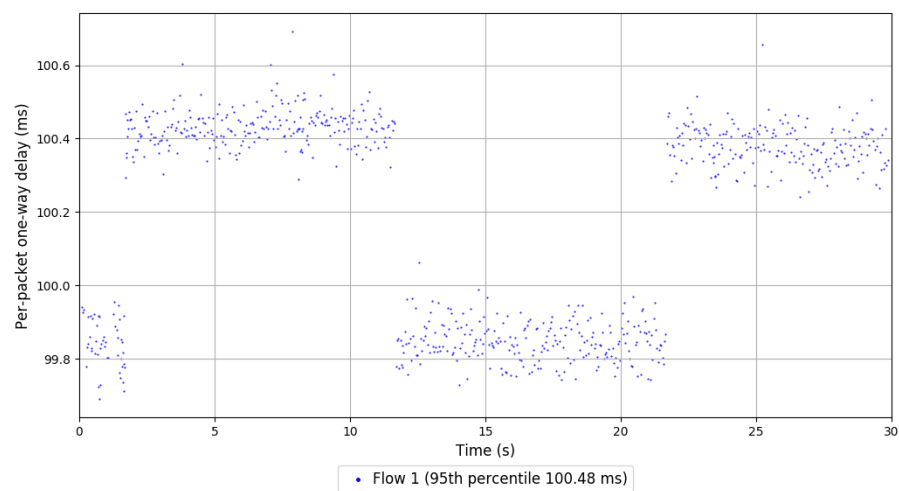
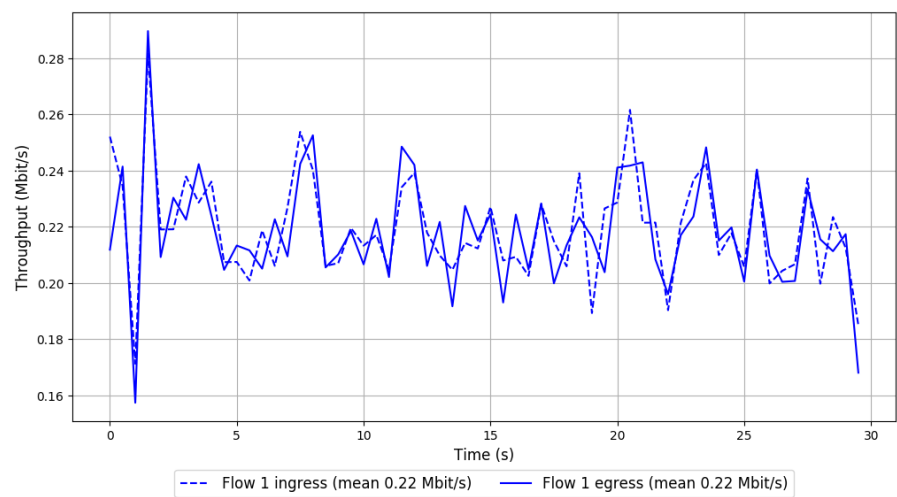
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 100.477 ms

Loss rate: 0.51%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-24 05:57:49

End at: 2018-04-24 05:58:19

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 104.953 ms

Loss rate: 0.51%

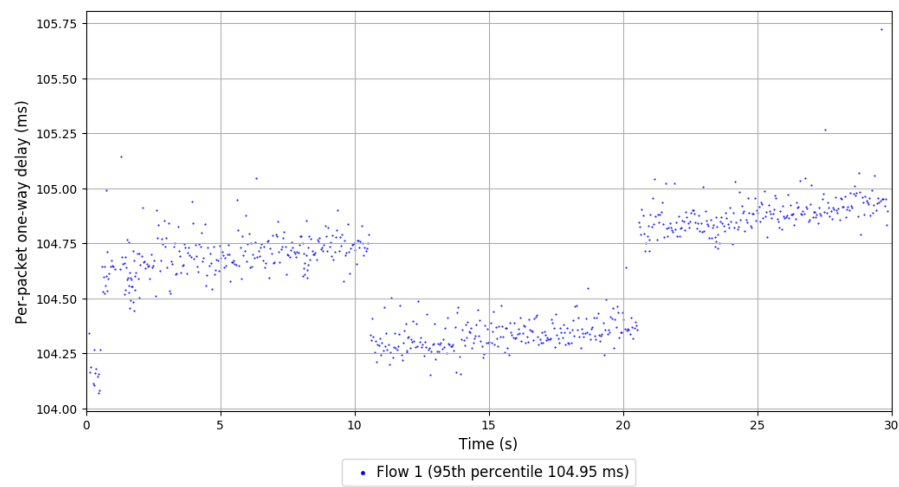
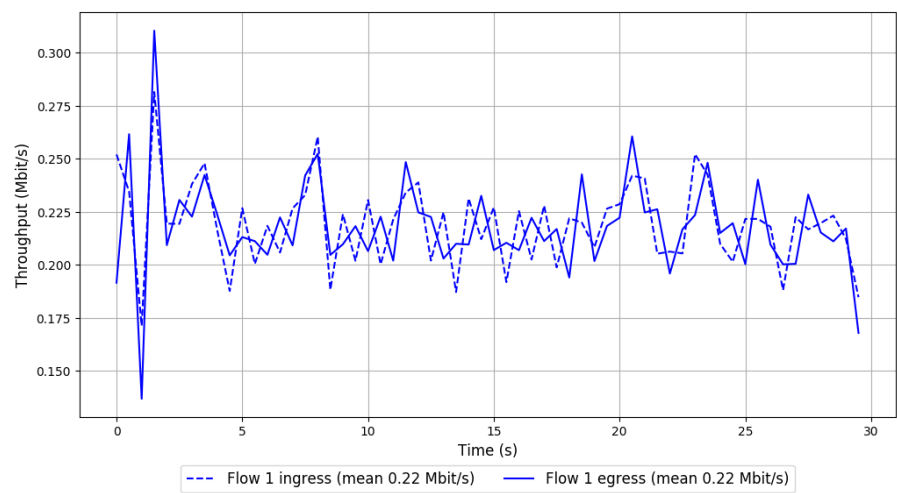
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 104.953 ms

Loss rate: 0.51%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 06:11:36

End at: 2018-04-24 06:12:06

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.250 ms

Loss rate: 0.51%

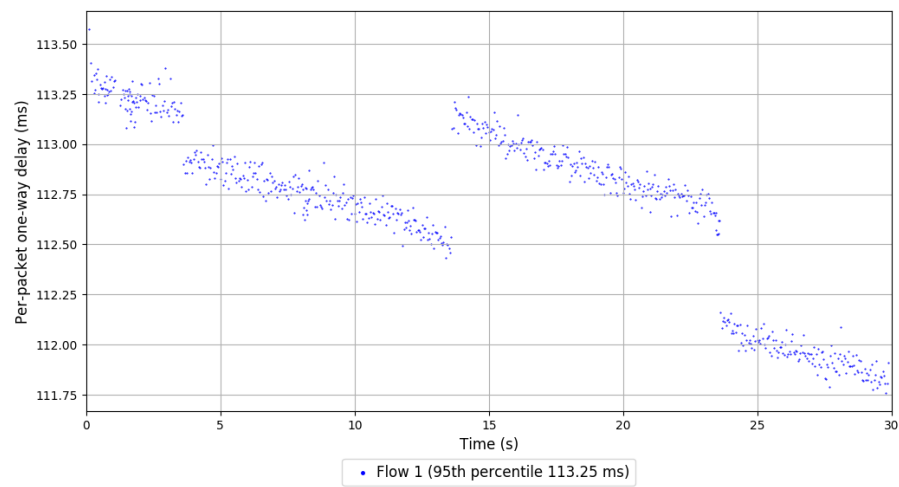
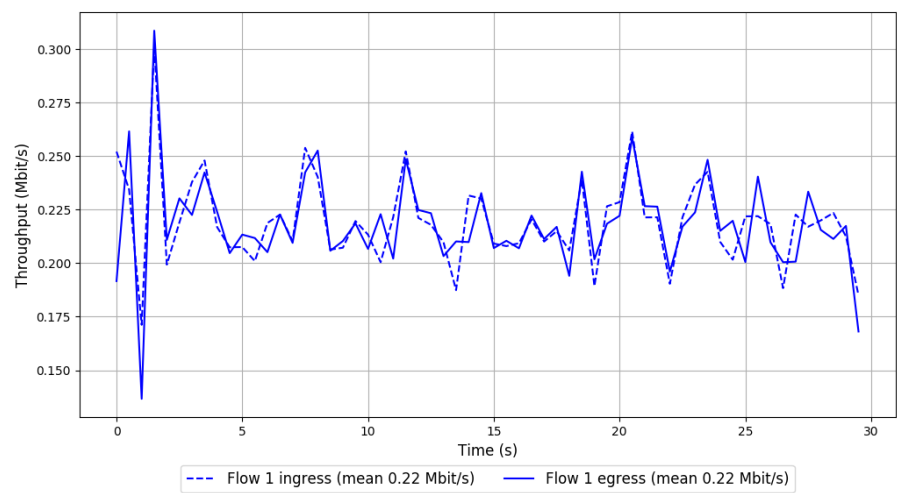
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.250 ms

Loss rate: 0.51%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 06:25:27

End at: 2018-04-24 06:25:57

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 98.114 ms

Loss rate: 0.51%

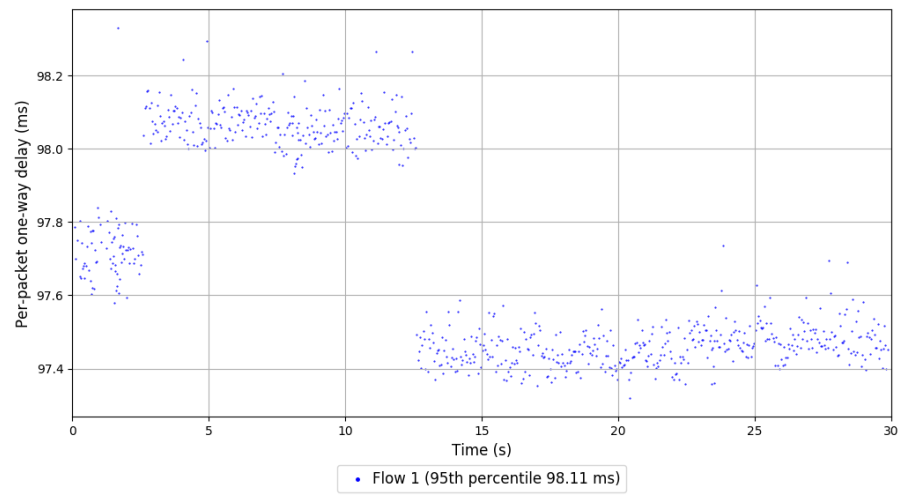
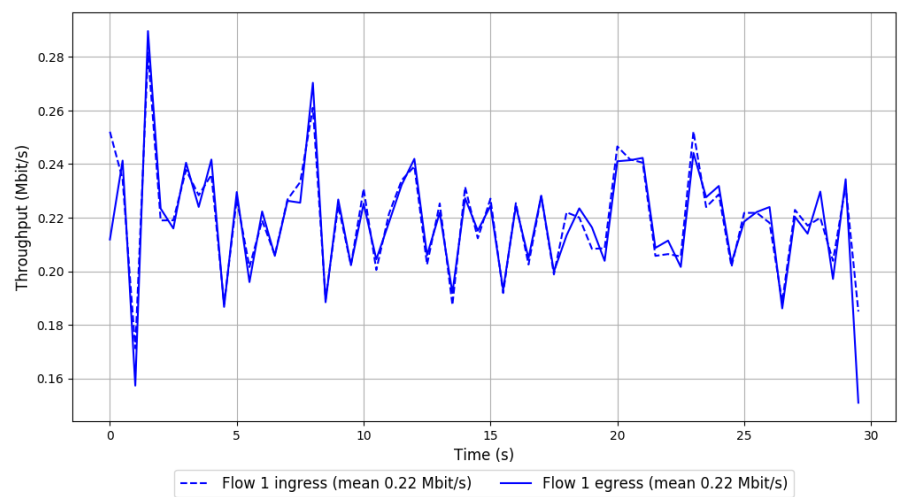
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 98.114 ms

Loss rate: 0.51%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-24 06:39:18

End at: 2018-04-24 06:39:48

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 99.600 ms

Loss rate: 0.51%

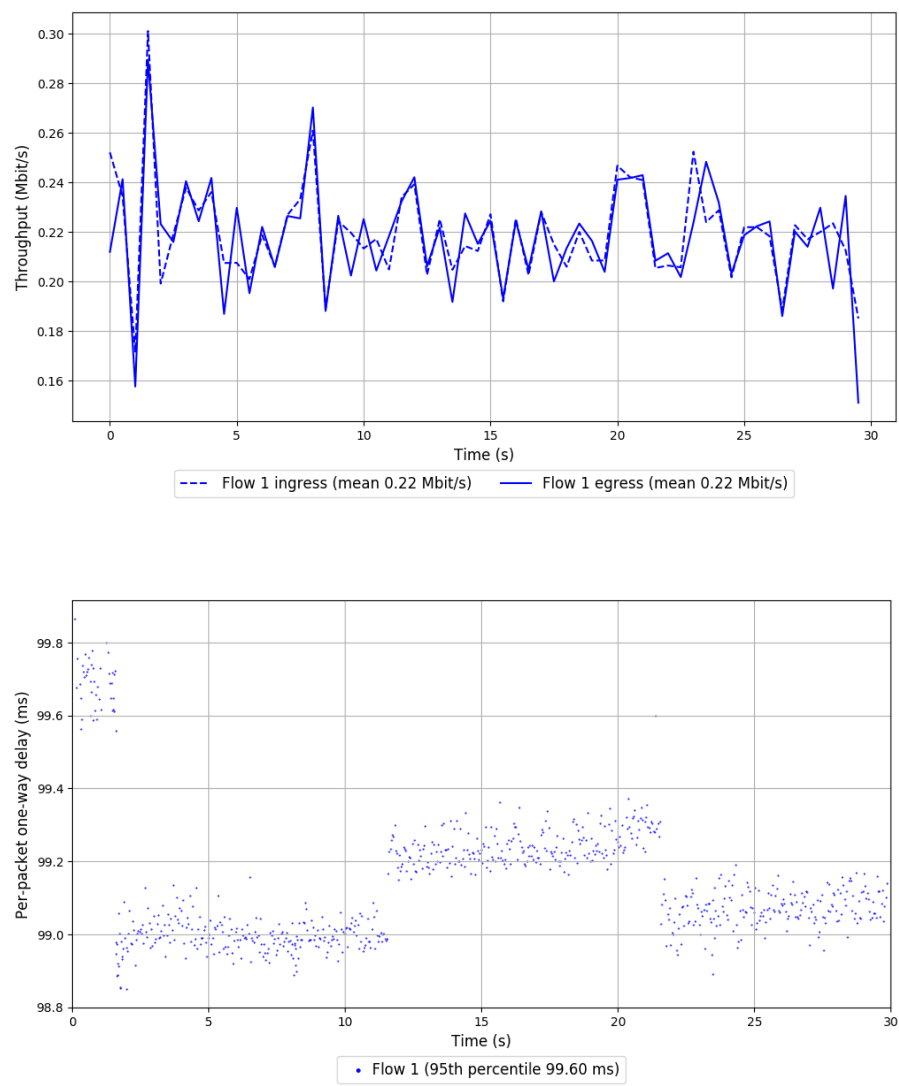
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 99.600 ms

Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 06:53:03

End at: 2018-04-24 06:53:33

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 93.935 ms

Loss rate: 0.51%

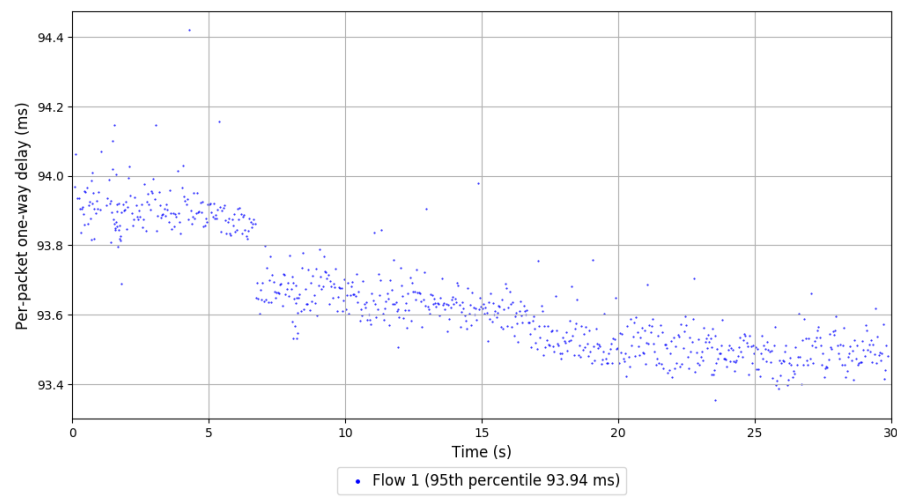
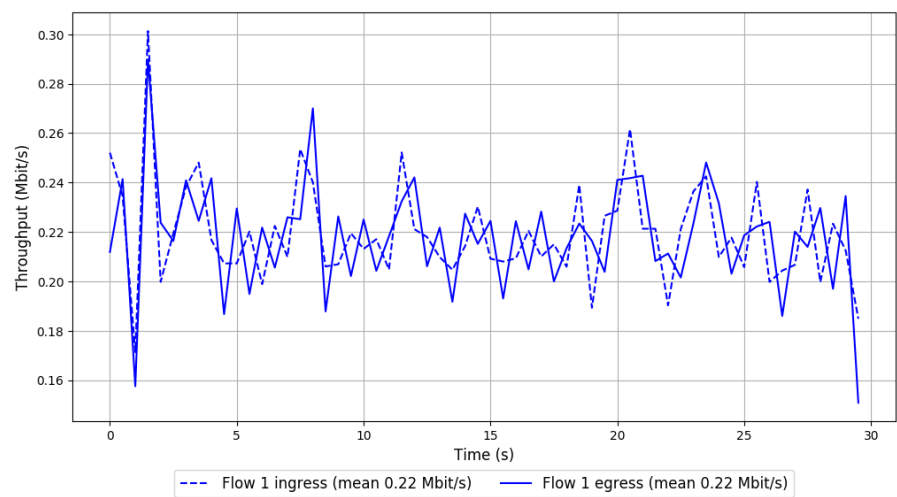
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 93.935 ms

Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 07:06:42

End at: 2018-04-24 07:07:12

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 91.607 ms

Loss rate: 0.51%

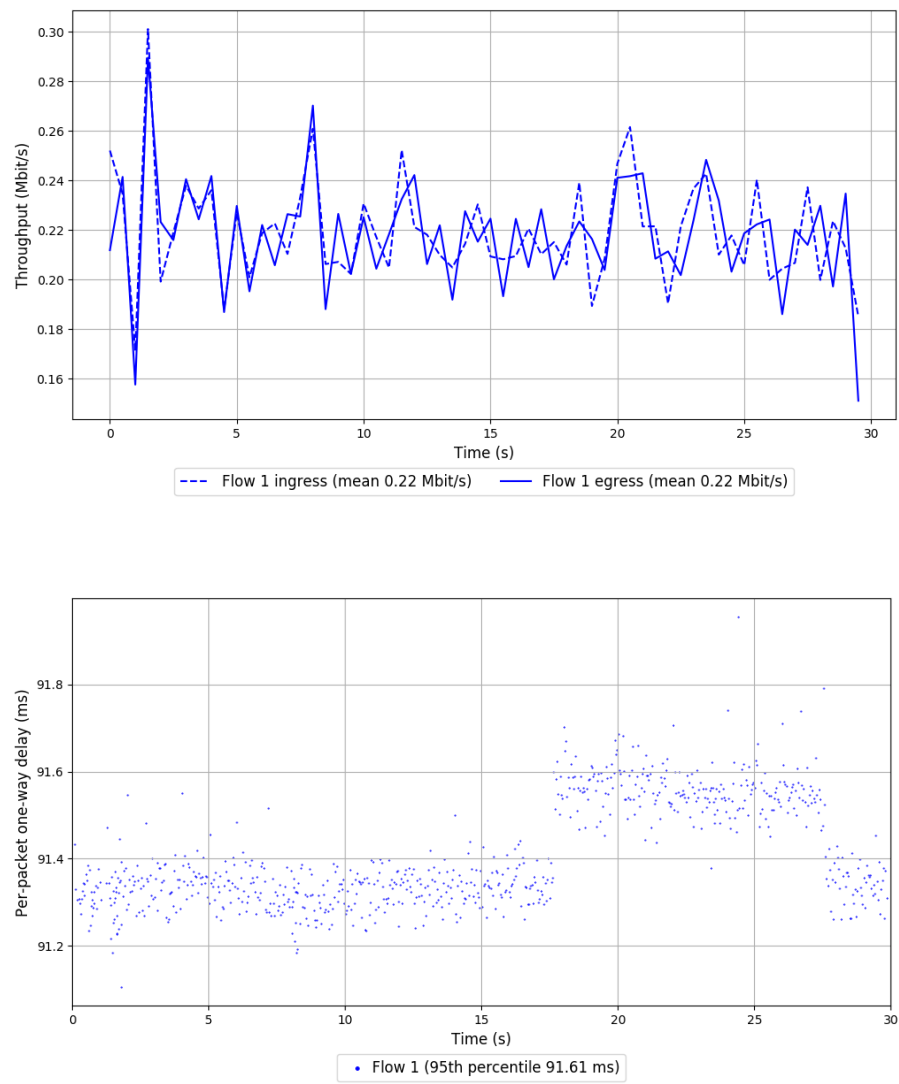
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 91.607 ms

Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-24 07:20:36

End at: 2018-04-24 07:21:06

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 92.556 ms

Loss rate: 0.52%

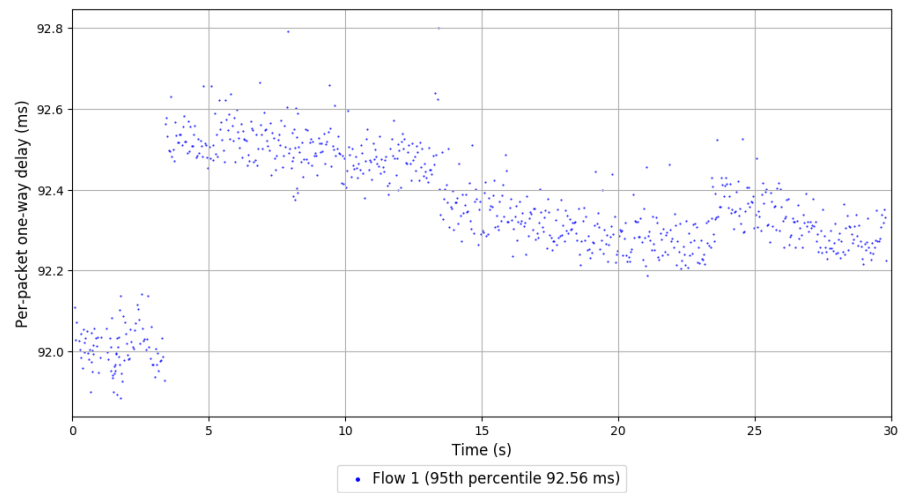
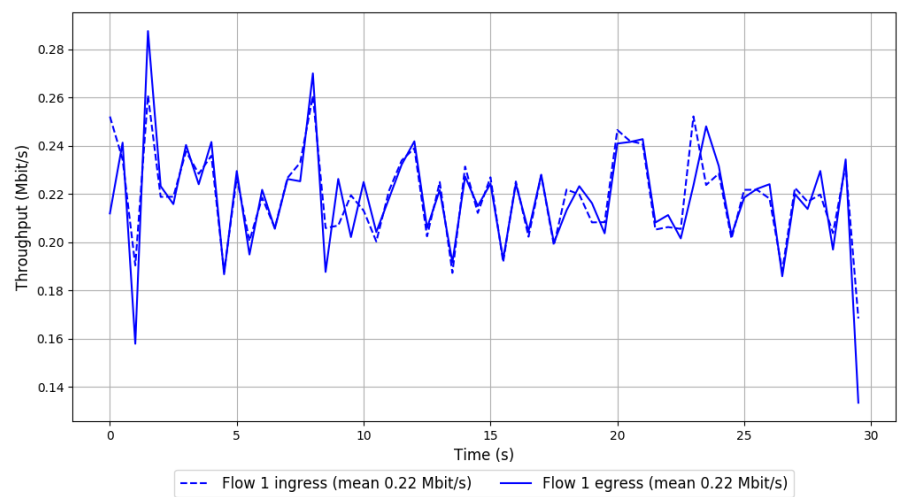
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 92.556 ms

Loss rate: 0.52%

Run 10: Report of SCRaM — Data Link

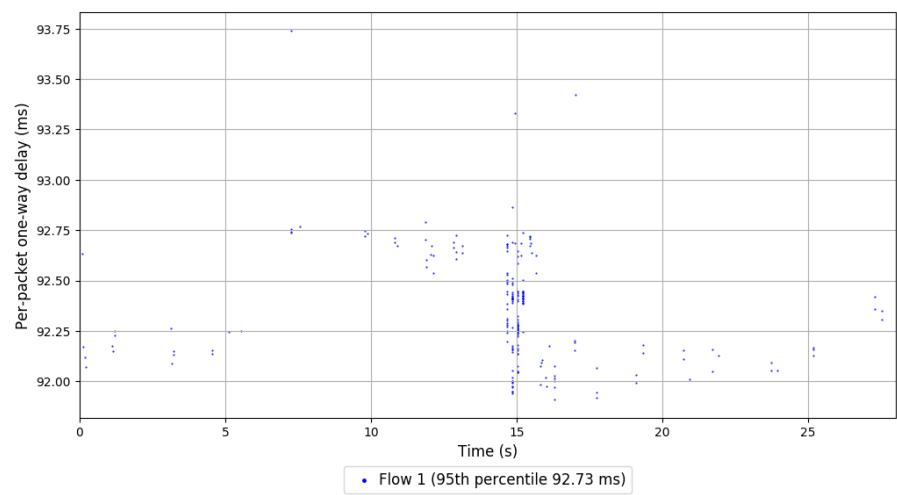
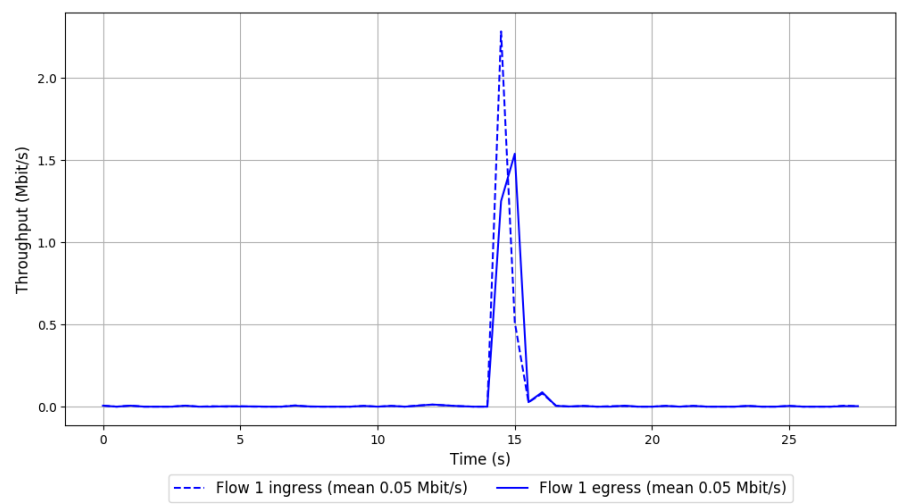


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 05:13:31
End at: 2018-04-24 05:14:01

# Below is generated by plot.py at 2018-04-24 10:08:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 92.734 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 92.734 ms
Loss rate: 0.10%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-24 05:27:16

End at: 2018-04-24 05:27:46

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.514 ms

Loss rate: 0.00%

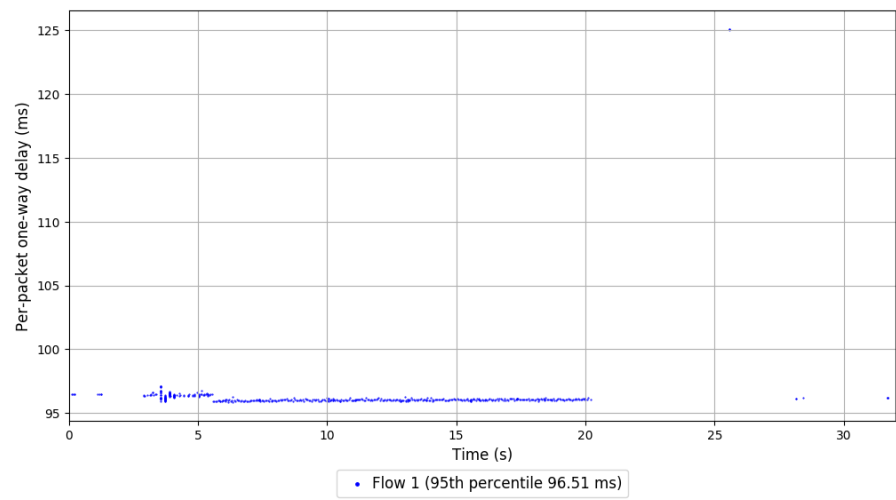
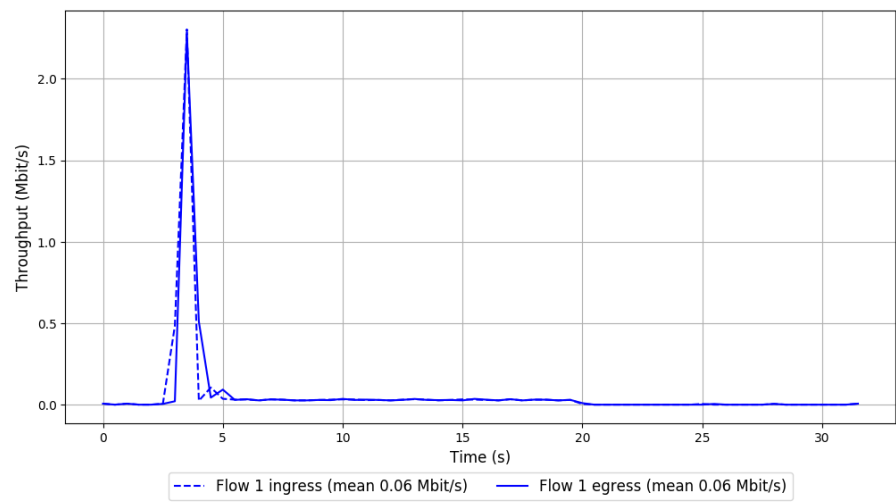
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.514 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-24 05:40:56

End at: 2018-04-24 05:41:26

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 101.433 ms

Loss rate: 0.00%

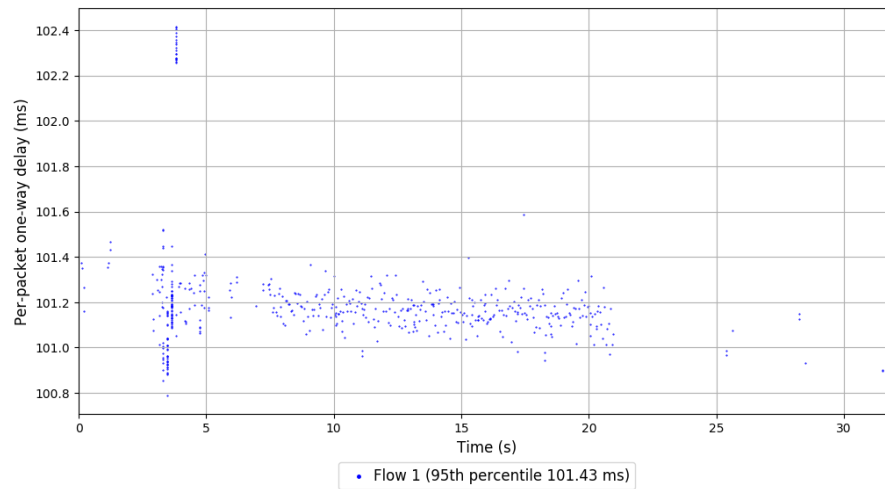
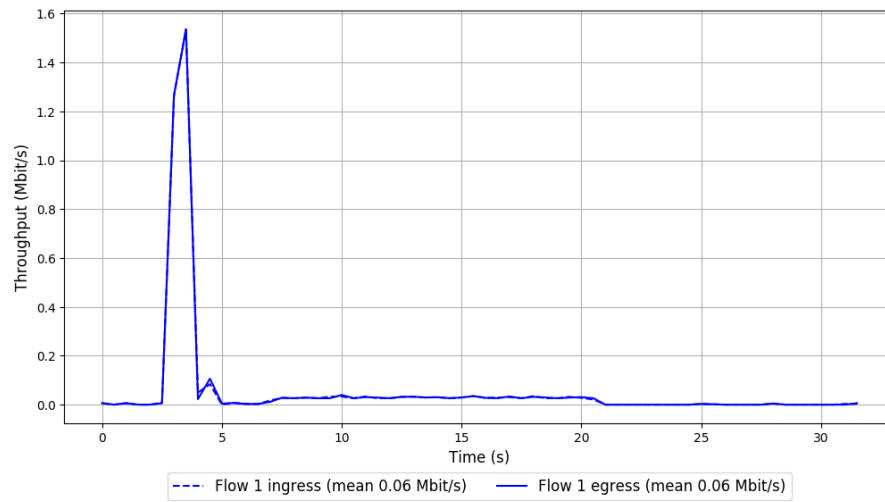
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 101.433 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-24 05:54:45

End at: 2018-04-24 05:55:15

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.161 ms

Loss rate: 0.00%

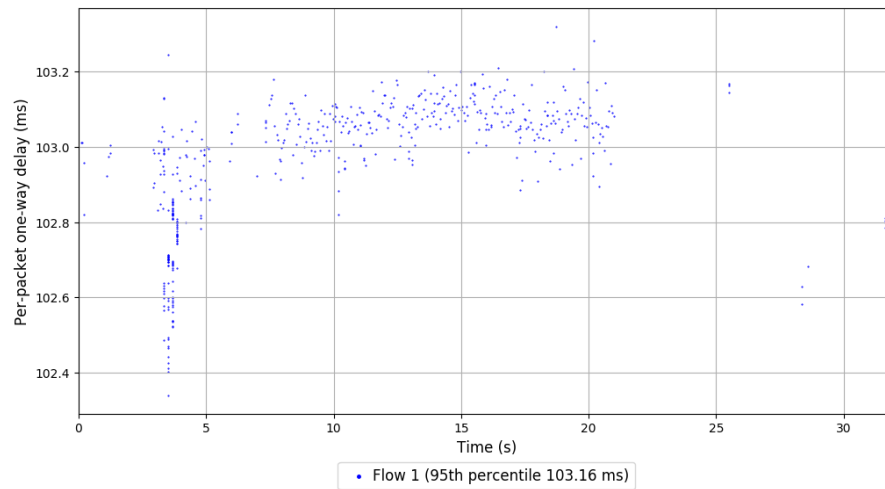
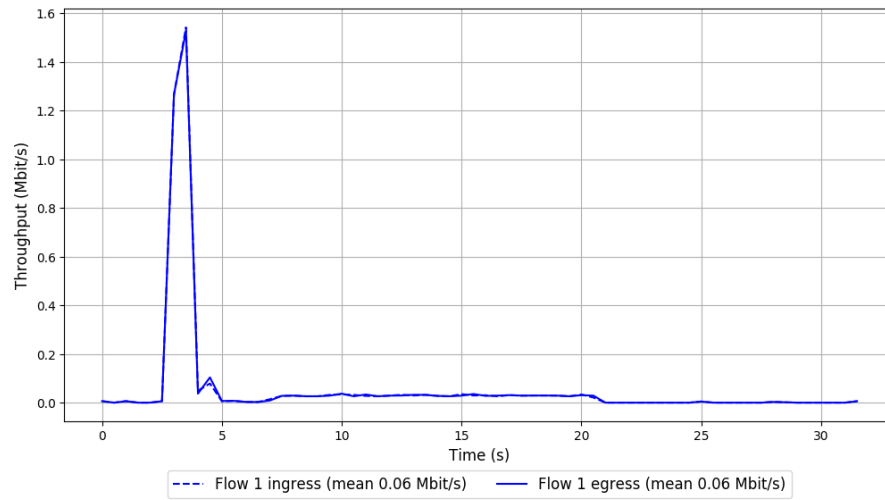
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.161 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-24 06:08:32

End at: 2018-04-24 06:09:02

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.196 ms

Loss rate: 0.00%

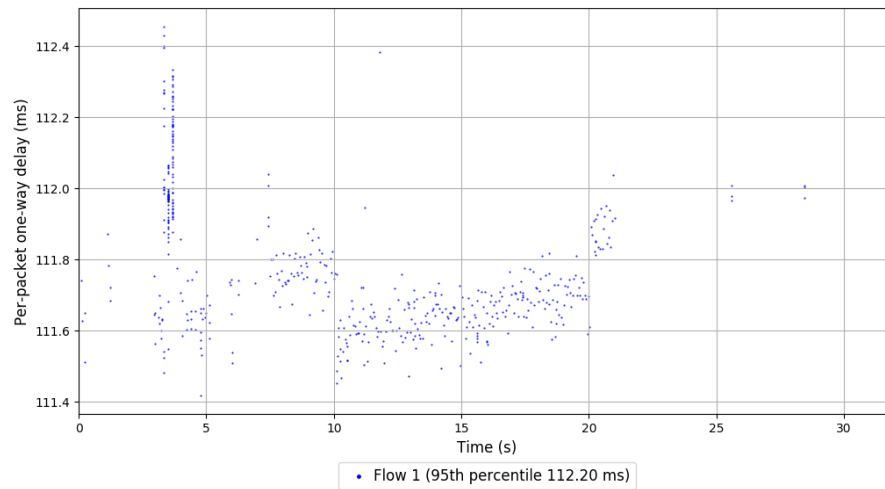
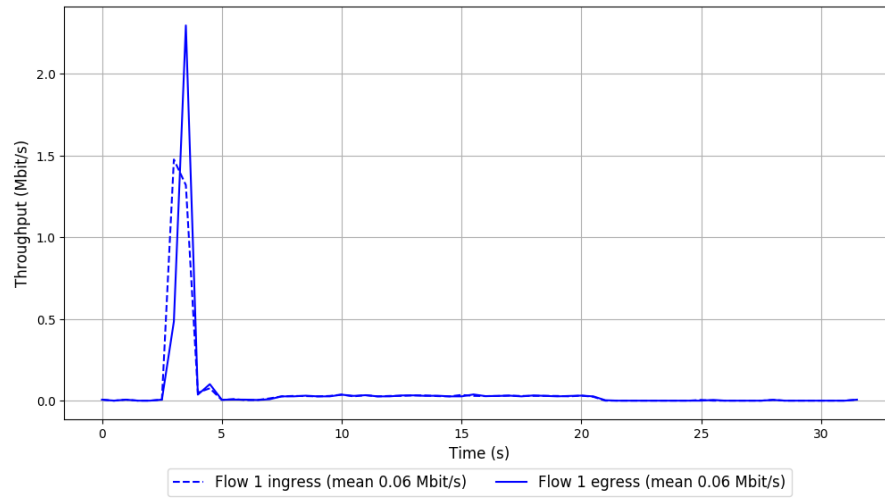
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.196 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 06:22:25

End at: 2018-04-24 06:22:55

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 99.148 ms

Loss rate: 0.00%

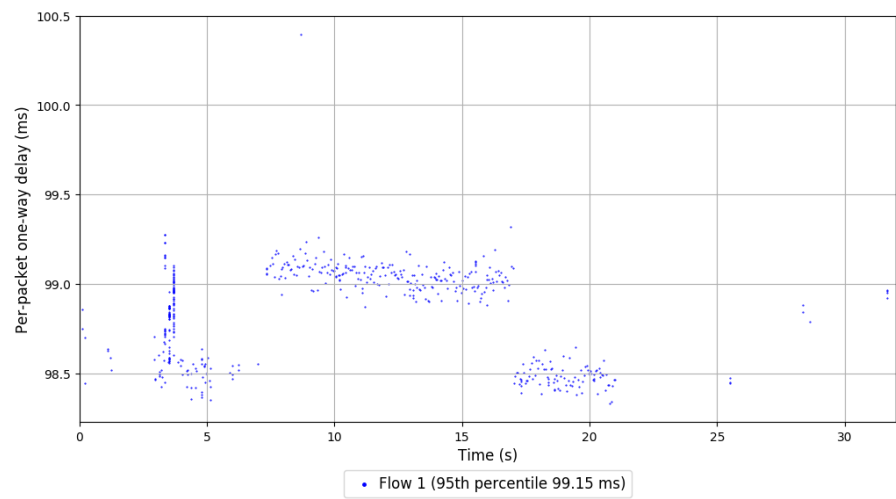
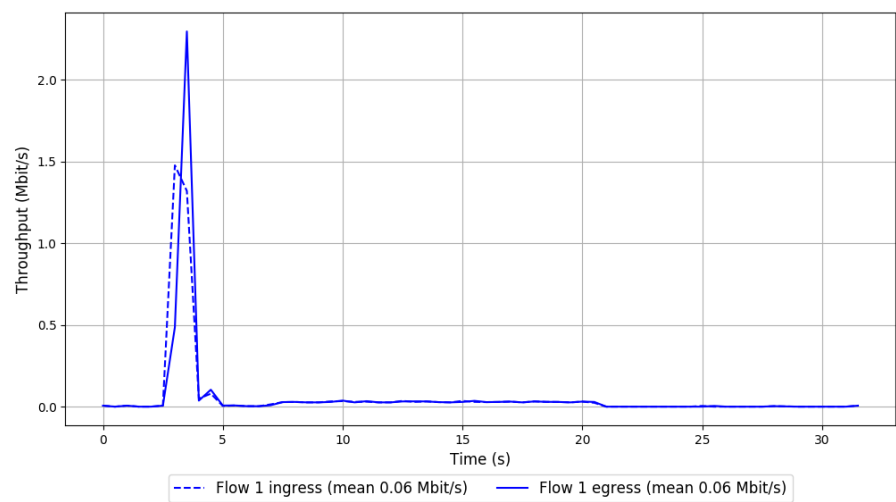
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 99.148 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-24 06:36:14

End at: 2018-04-24 06:36:44

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 98.712 ms

Loss rate: 0.00%

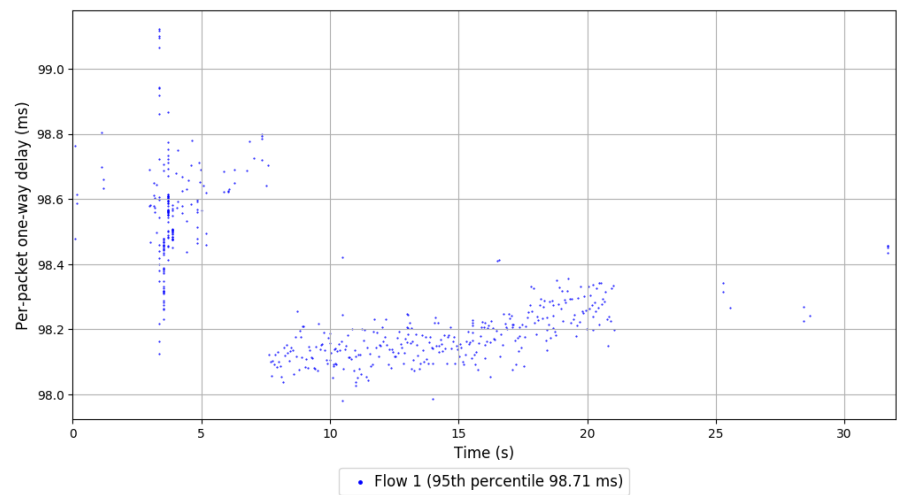
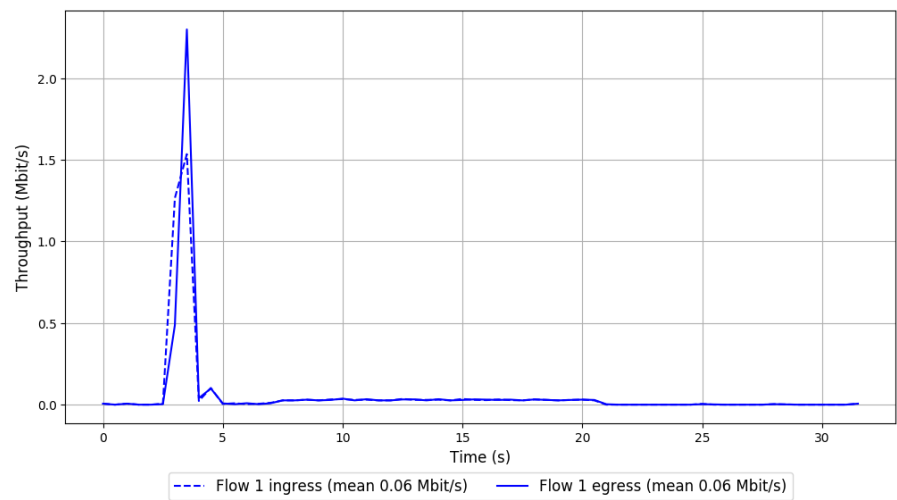
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 98.712 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 06:50:00

End at: 2018-04-24 06:50:30

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.423 ms

Loss rate: 0.00%

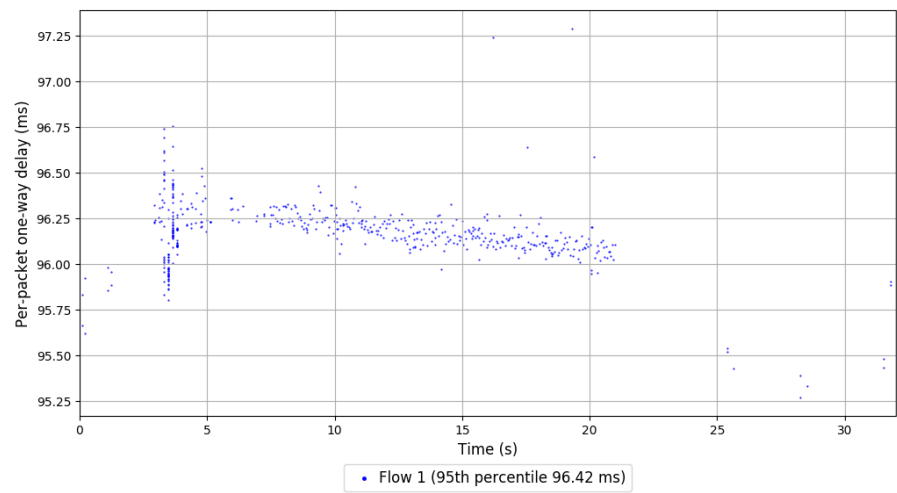
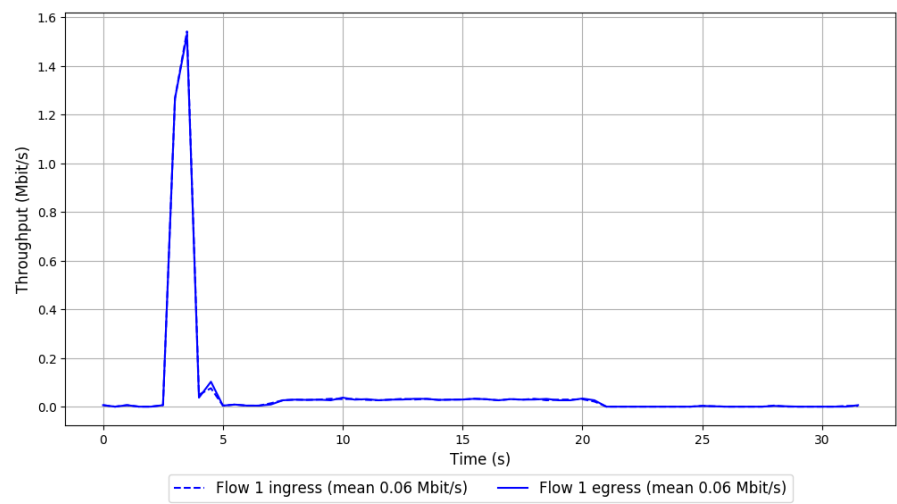
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.423 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 07:03:40

End at: 2018-04-24 07:04:10

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 92.487 ms

Loss rate: 0.00%

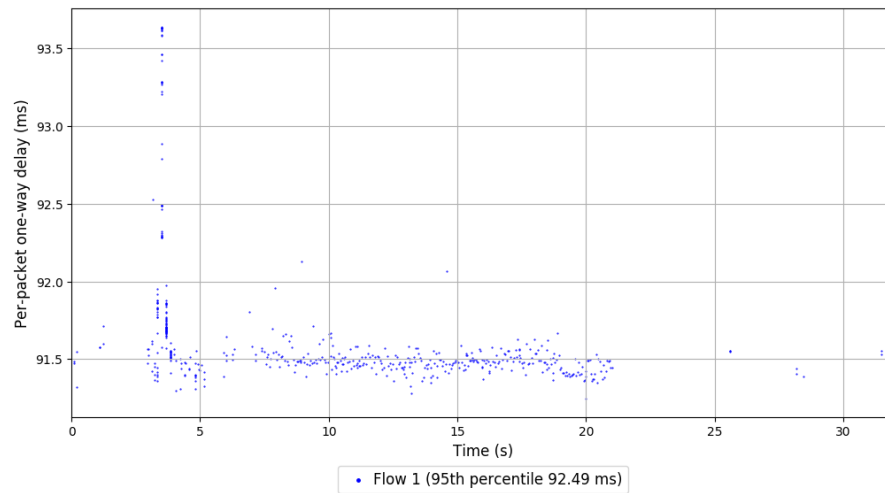
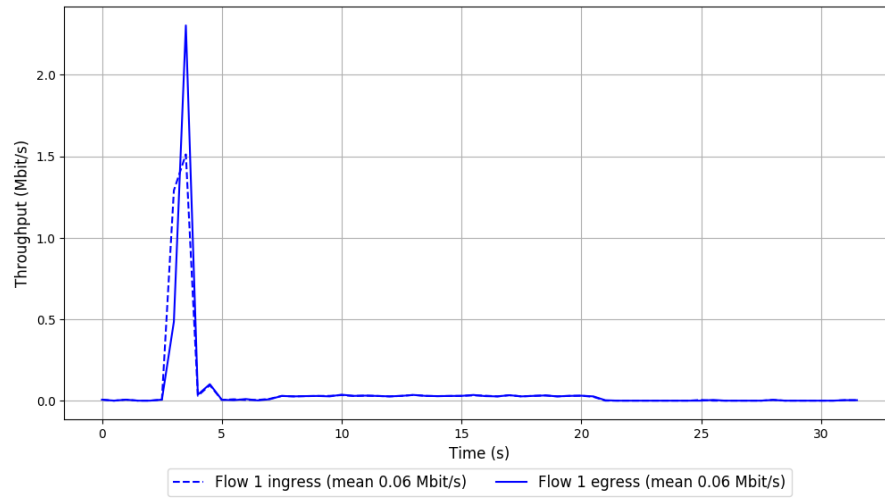
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 92.487 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 07:17:35

End at: 2018-04-24 07:18:05

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 92.988 ms

Loss rate: 0.00%

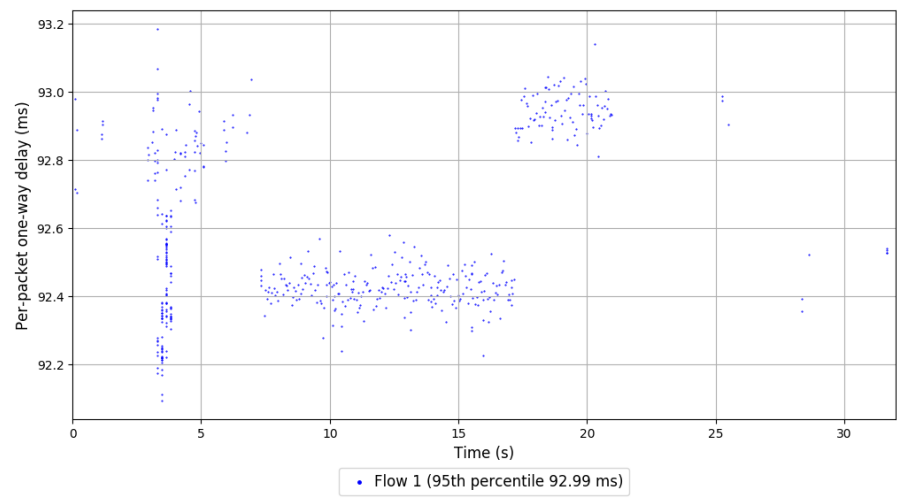
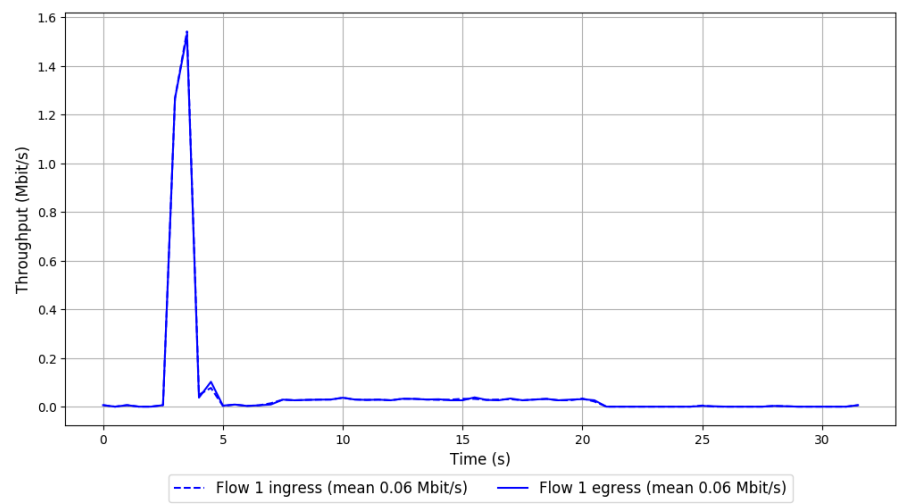
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 92.988 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-24 05:15:55

End at: 2018-04-24 05:16:25

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 94.357 ms

Loss rate: 0.60%

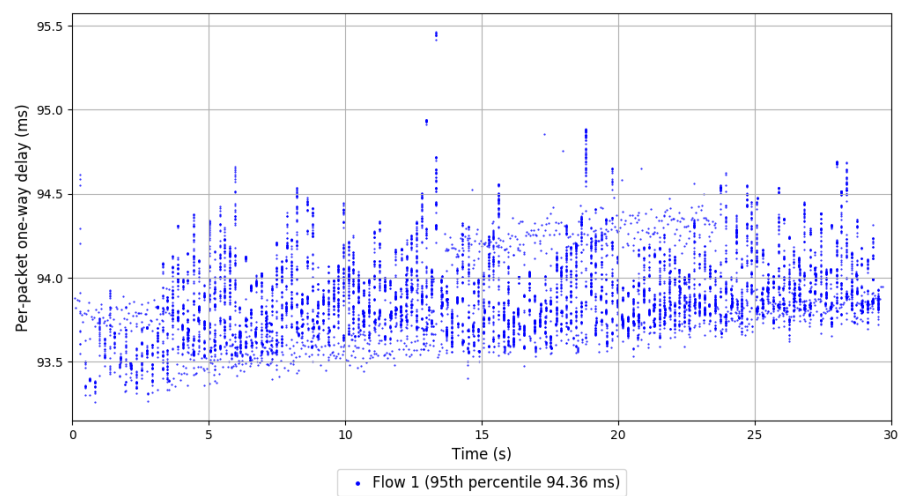
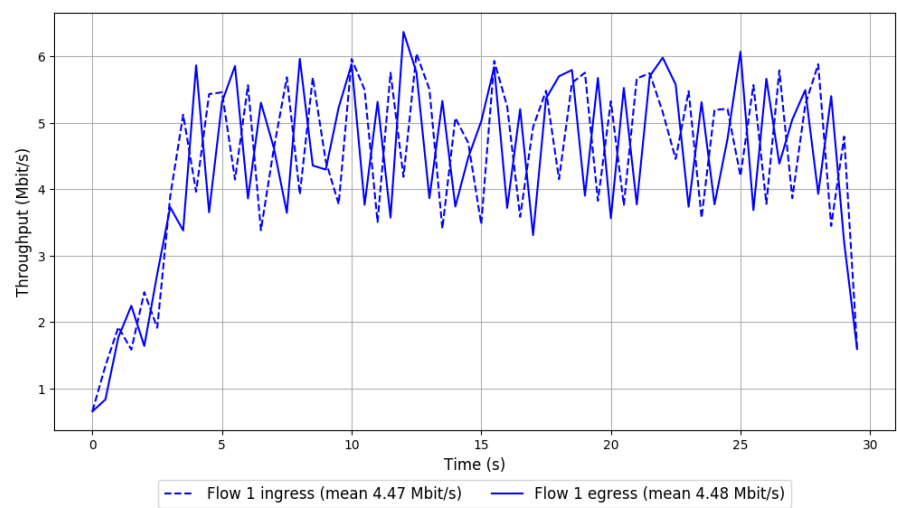
-- Flow 1:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 94.357 ms

Loss rate: 0.60%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-24 05:29:38

End at: 2018-04-24 05:30:08

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 98.769 ms

Loss rate: 0.28%

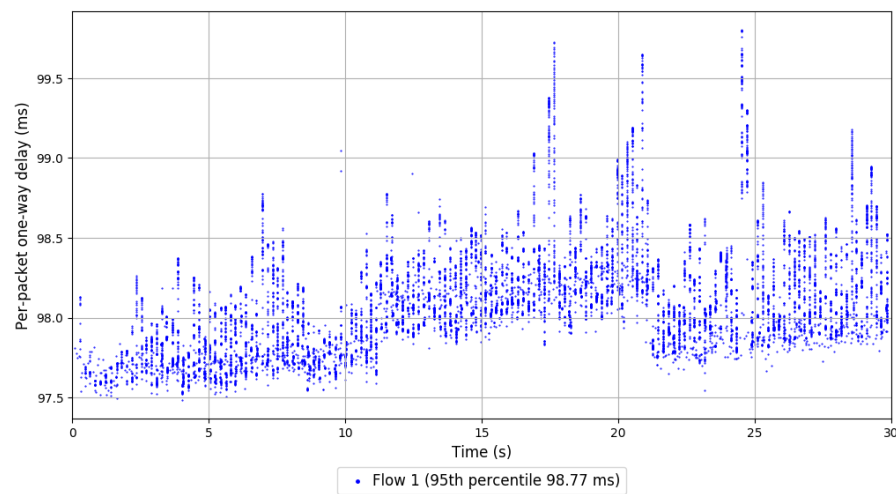
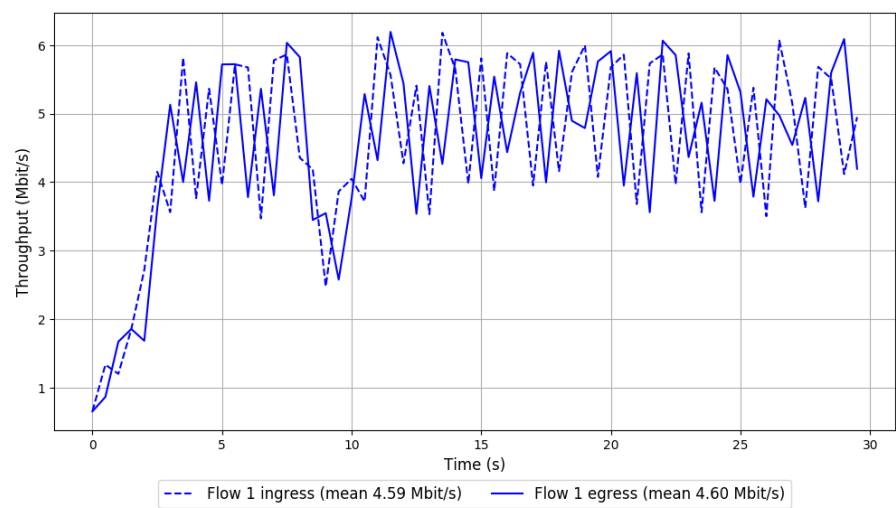
-- Flow 1:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 98.769 ms

Loss rate: 0.28%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-24 05:43:18

End at: 2018-04-24 05:43:48

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 100.902 ms

Loss rate: 0.91%

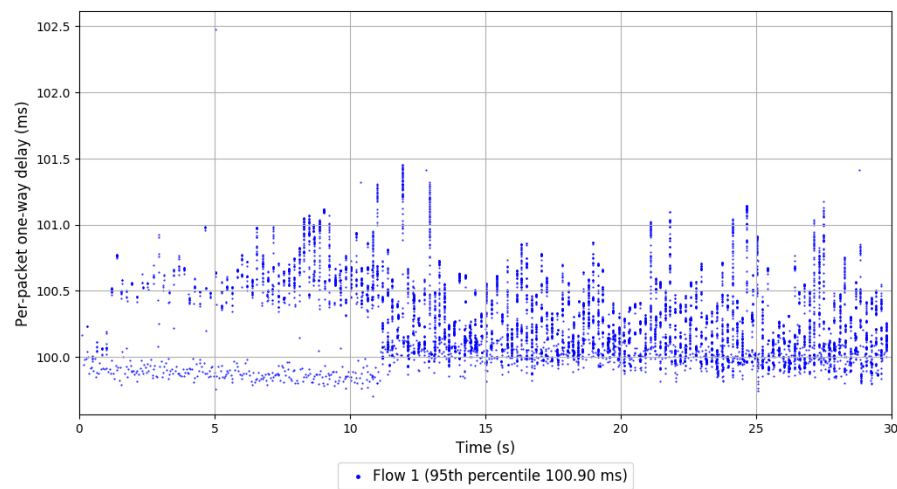
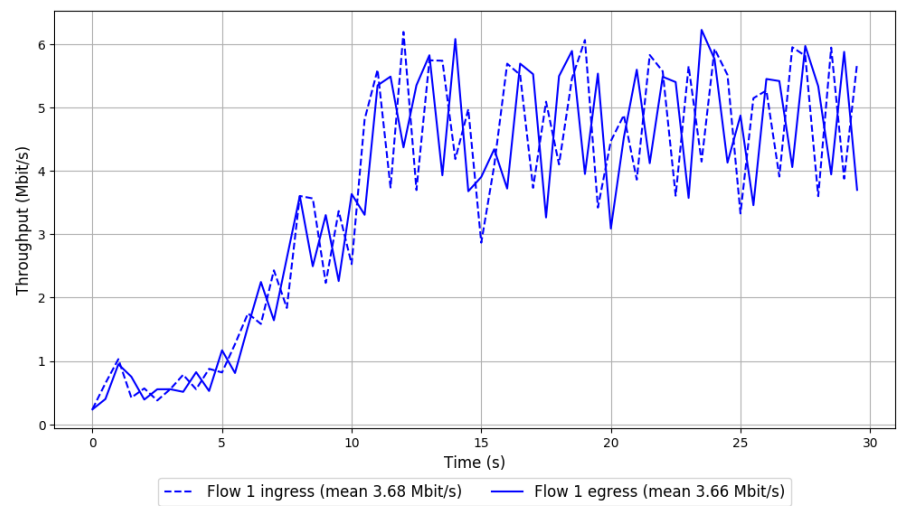
-- Flow 1:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 100.902 ms

Loss rate: 0.91%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-24 05:57:09

End at: 2018-04-24 05:57:39

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 104.754 ms

Loss rate: 0.10%

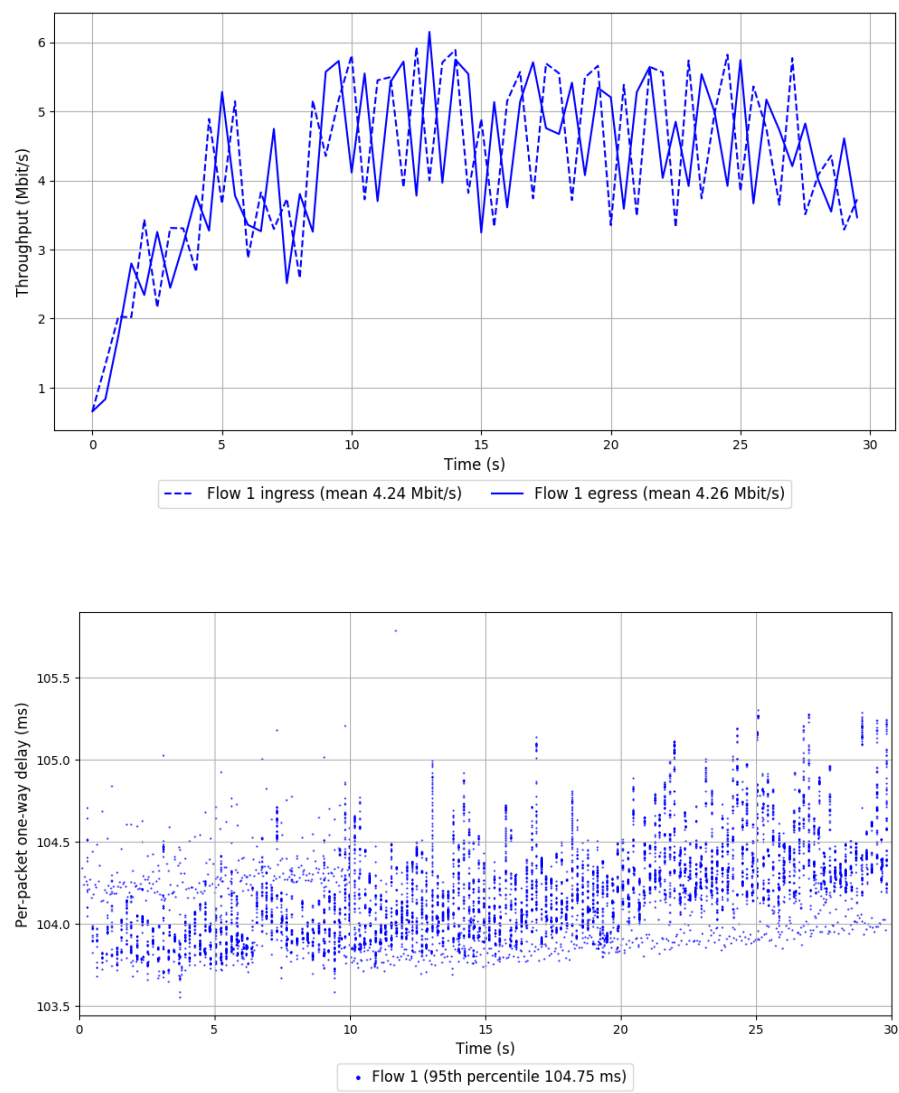
-- Flow 1:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 104.754 ms

Loss rate: 0.10%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-24 06:10:56

End at: 2018-04-24 06:11:26

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 114.577 ms

Loss rate: 0.23%

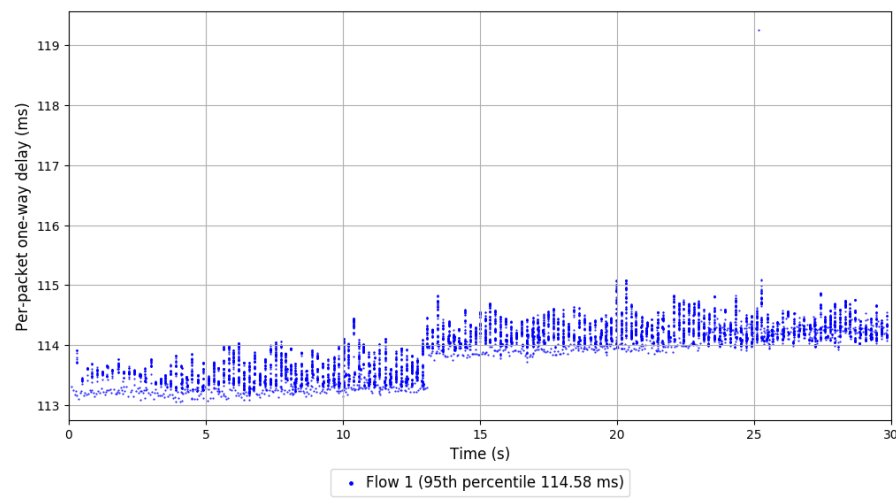
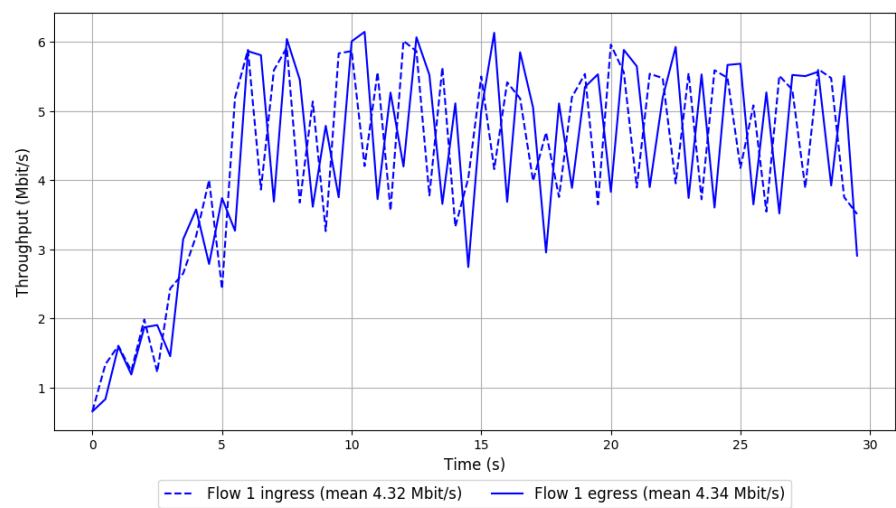
-- Flow 1:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 114.577 ms

Loss rate: 0.23%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 06:24:47

End at: 2018-04-24 06:25:17

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 98.783 ms

Loss rate: 0.71%

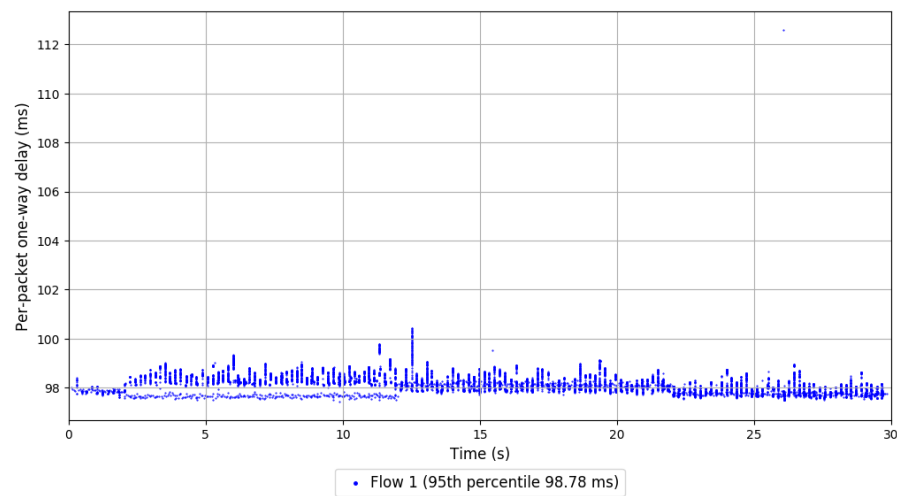
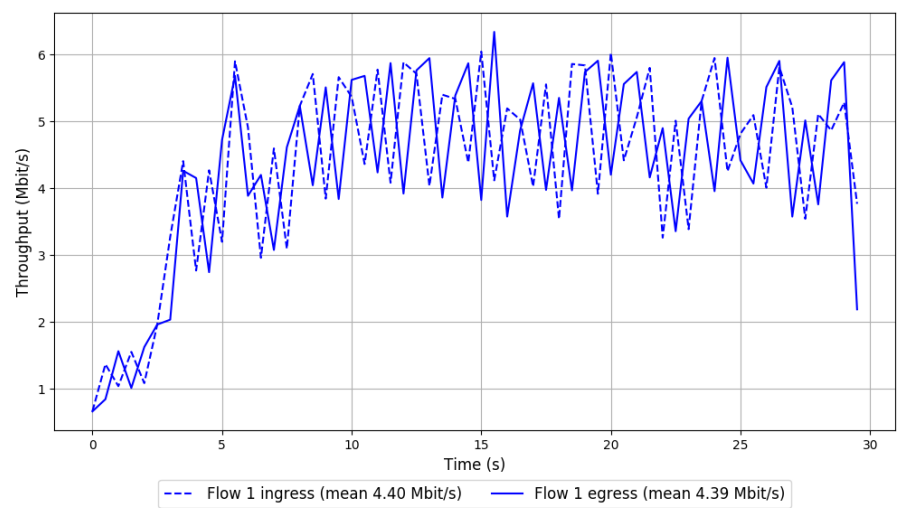
-- Flow 1:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 98.783 ms

Loss rate: 0.71%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 06:38:38

End at: 2018-04-24 06:39:08

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 99.819 ms

Loss rate: 0.90%

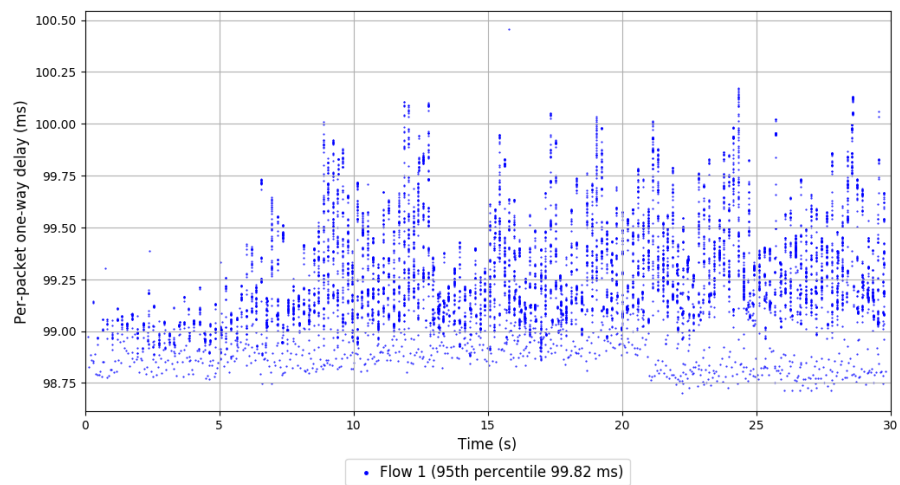
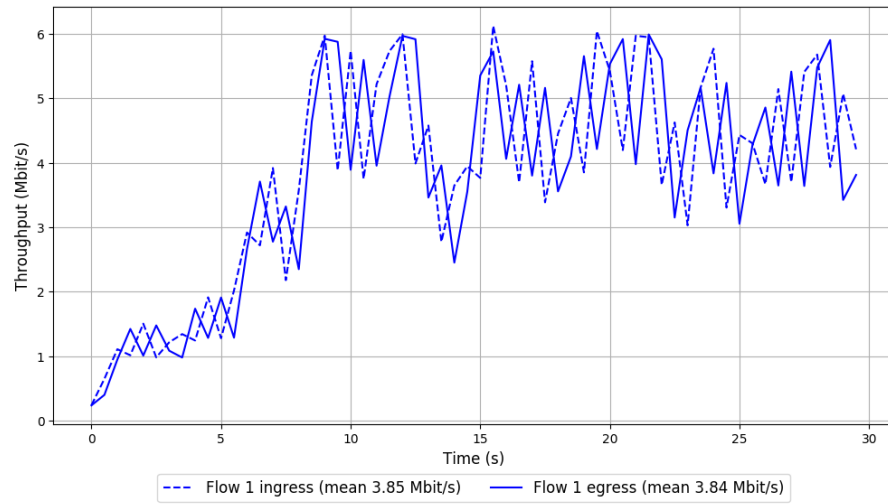
-- Flow 1:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 99.819 ms

Loss rate: 0.90%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-24 06:52:23

End at: 2018-04-24 06:52:53

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 94.851 ms

Loss rate: 0.61%

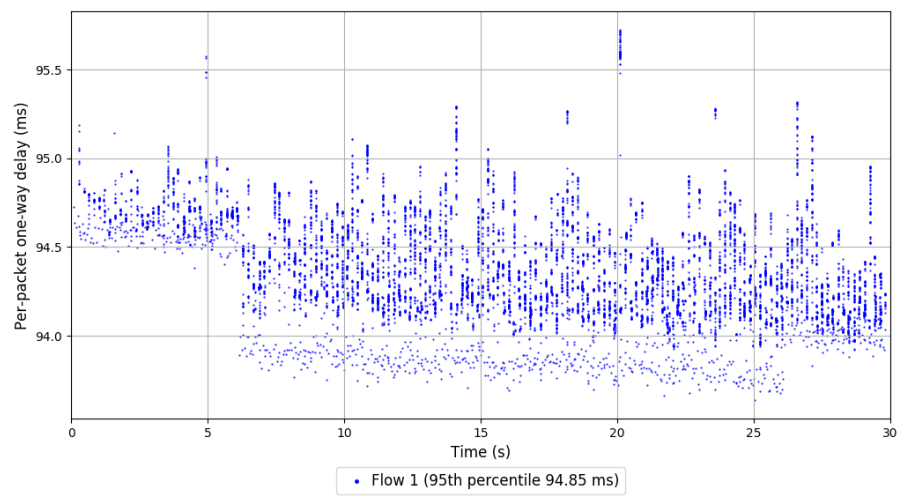
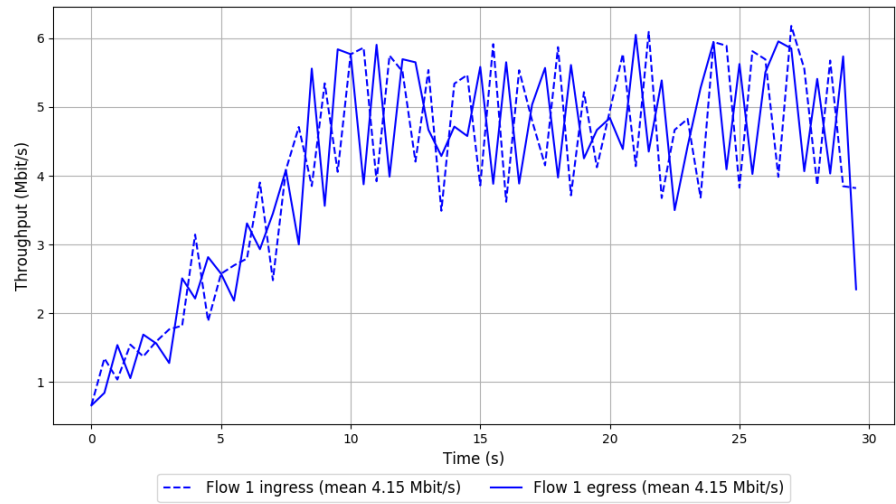
-- Flow 1:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 94.851 ms

Loss rate: 0.61%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 07:06:02

End at: 2018-04-24 07:06:32

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 92.331 ms

Loss rate: 0.15%

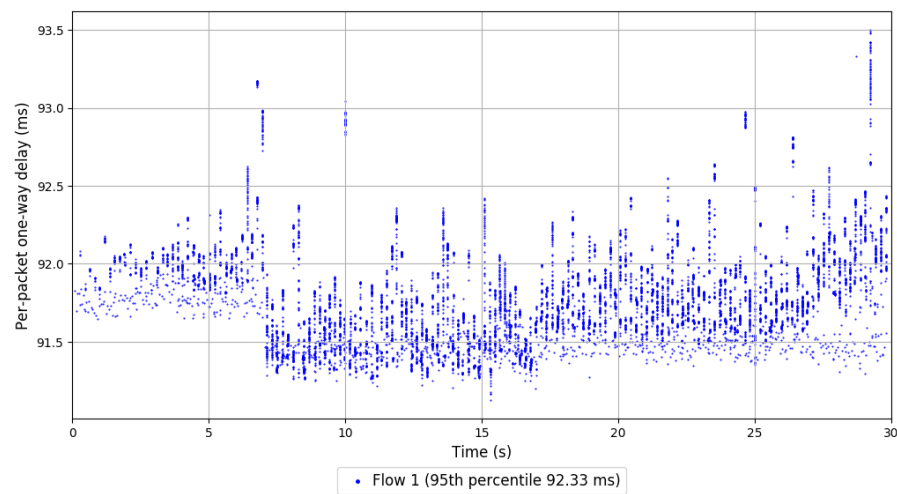
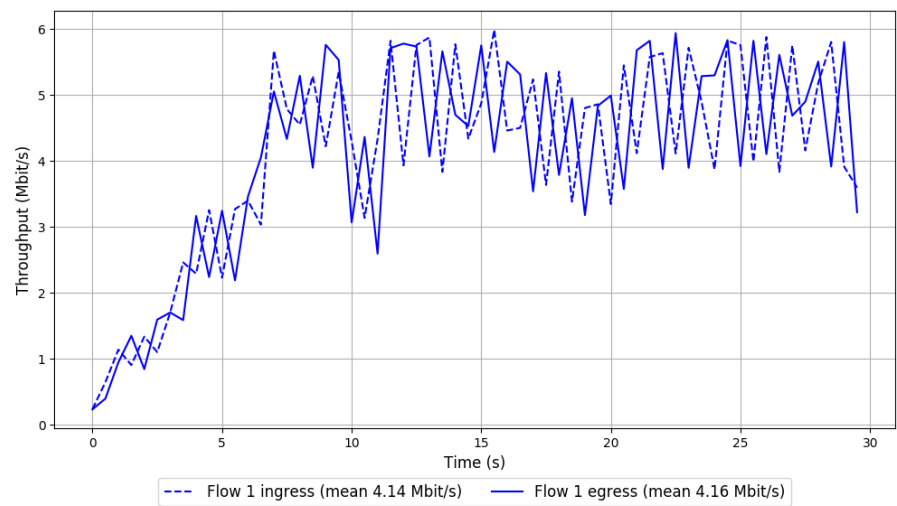
-- Flow 1:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 92.331 ms

Loss rate: 0.15%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 07:19:56

End at: 2018-04-24 07:20:26

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 93.211 ms

Loss rate: 0.27%

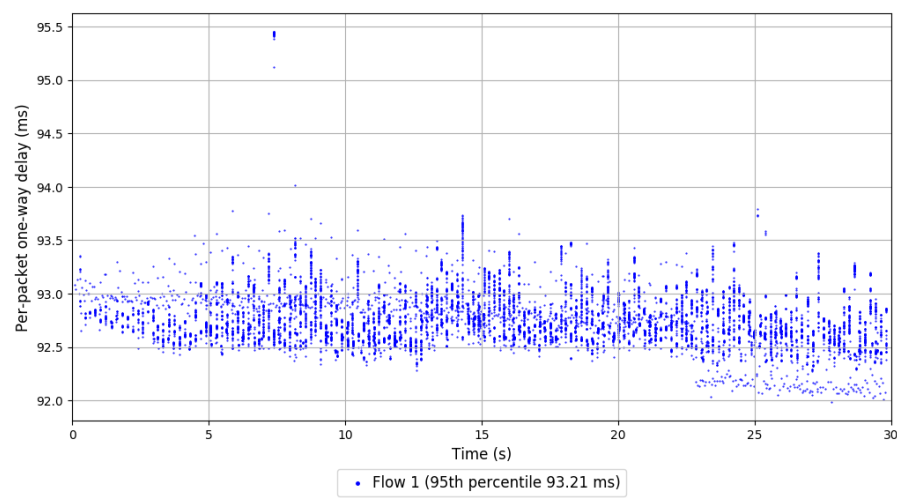
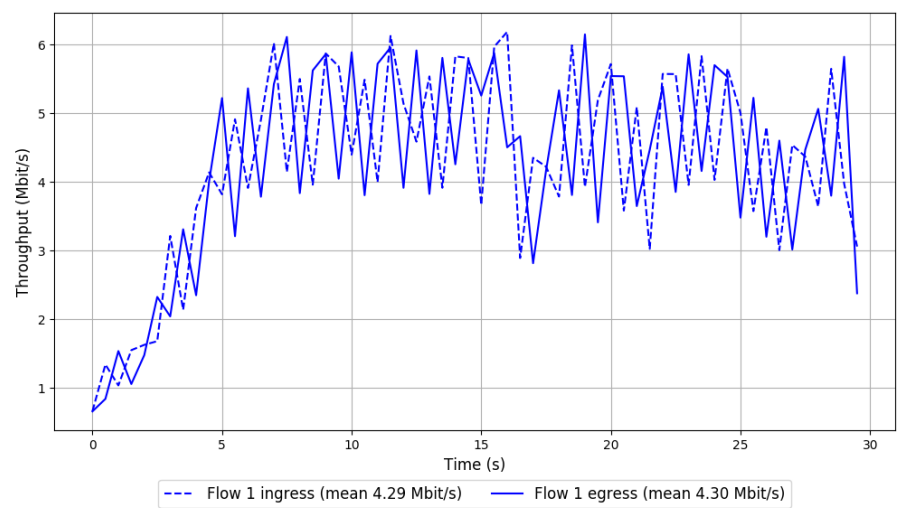
-- Flow 1:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 93.211 ms

Loss rate: 0.27%

Run 10: Report of Sprout — Data Link

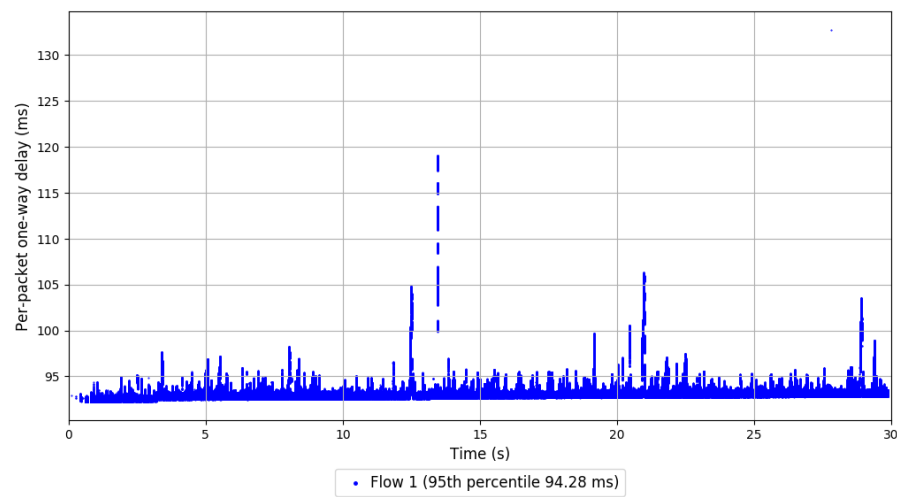
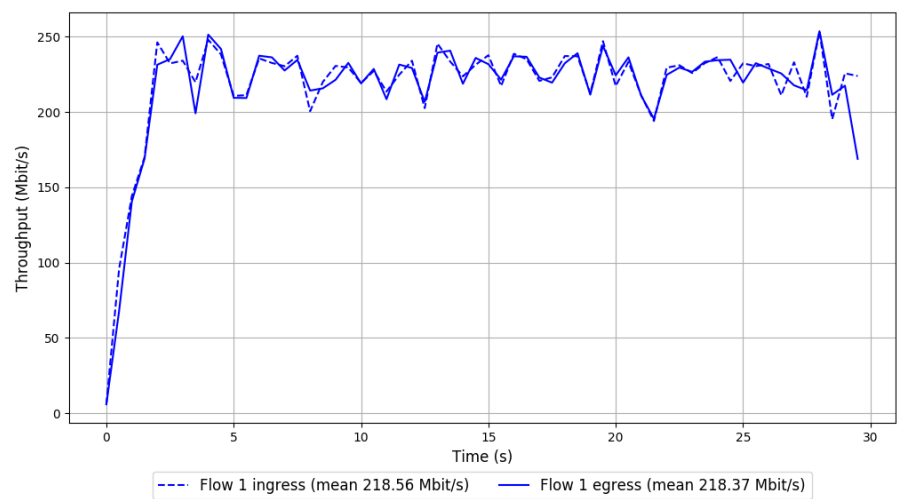


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 05:14:56
End at: 2018-04-24 05:15:26

# Below is generated by plot.py at 2018-04-24 10:08:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.37 Mbit/s
95th percentile per-packet one-way delay: 94.276 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 218.37 Mbit/s
95th percentile per-packet one-way delay: 94.276 ms
Loss rate: 0.67%
```

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

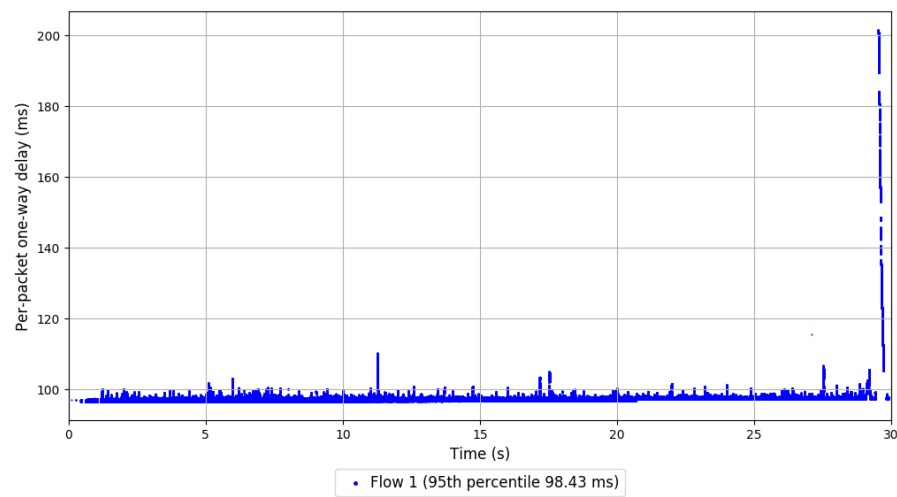
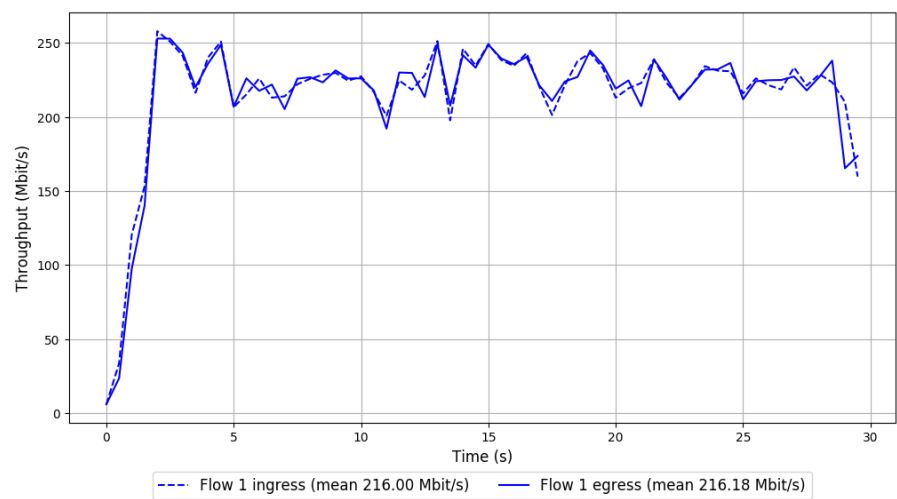


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 05:28:39
End at: 2018-04-24 05:29:09

# Below is generated by plot.py at 2018-04-24 10:08:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.18 Mbit/s
95th percentile per-packet one-way delay: 98.429 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 216.18 Mbit/s
95th percentile per-packet one-way delay: 98.429 ms
Loss rate: 0.49%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 05:42:19

End at: 2018-04-24 05:42:49

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.93 Mbit/s

95th percentile per-packet one-way delay: 102.527 ms

Loss rate: 0.54%

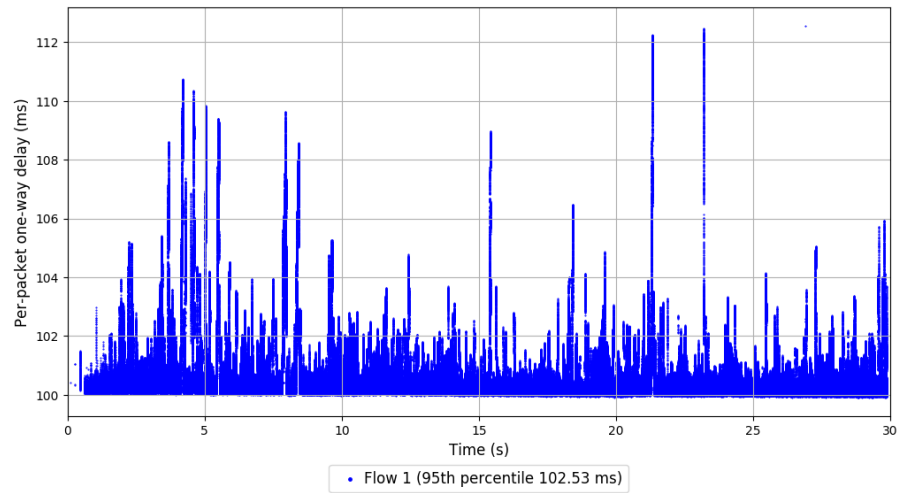
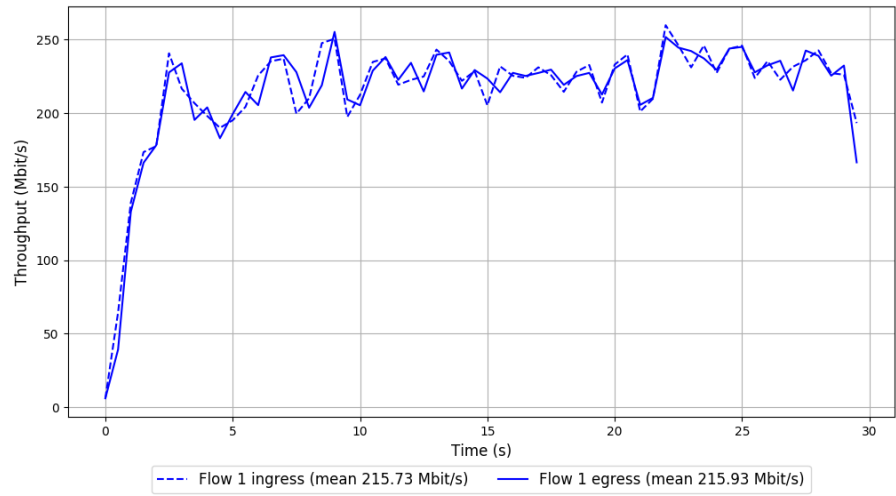
-- Flow 1:

Average throughput: 215.93 Mbit/s

95th percentile per-packet one-way delay: 102.527 ms

Loss rate: 0.54%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 05:56:10

End at: 2018-04-24 05:56:40

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.56 Mbit/s

95th percentile per-packet one-way delay: 104.958 ms

Loss rate: 0.57%

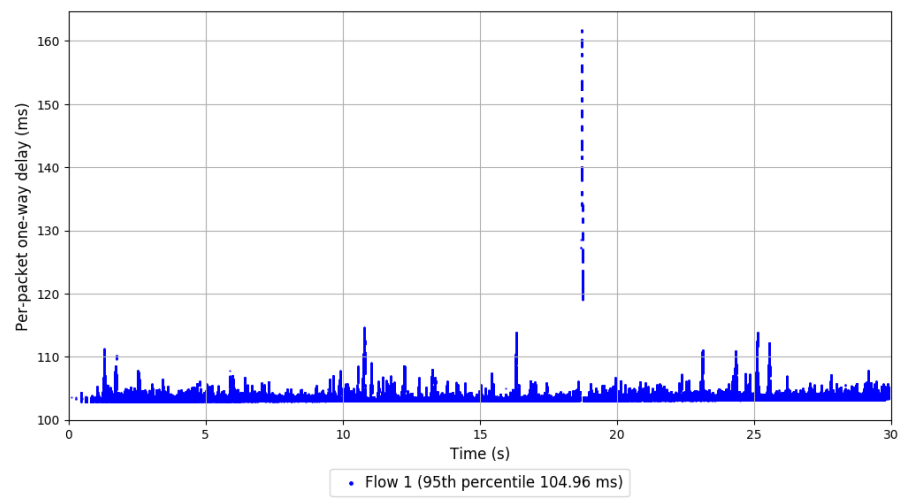
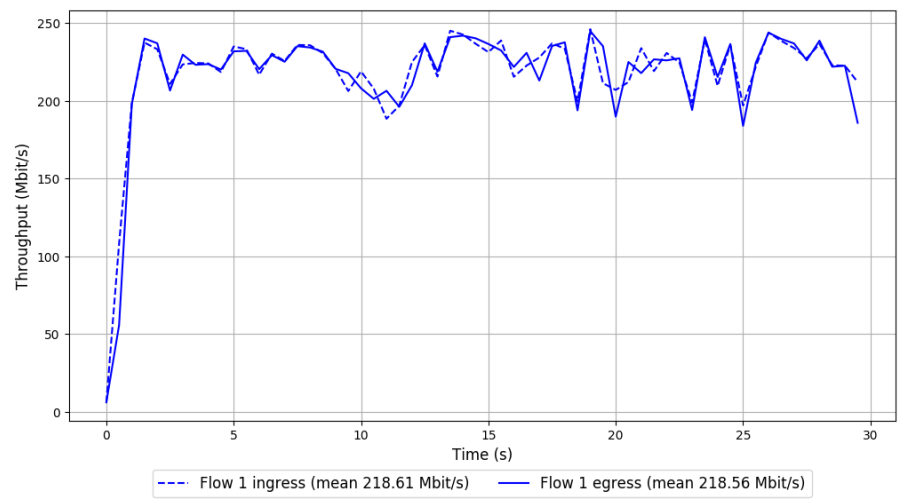
-- Flow 1:

Average throughput: 218.56 Mbit/s

95th percentile per-packet one-way delay: 104.958 ms

Loss rate: 0.57%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 06:09:56

End at: 2018-04-24 06:10:26

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.36 Mbit/s

95th percentile per-packet one-way delay: 114.150 ms

Loss rate: 0.54%

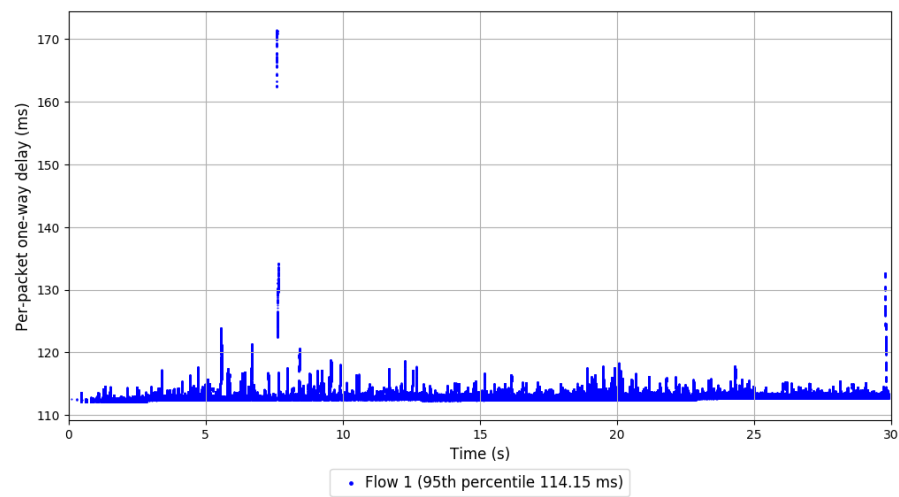
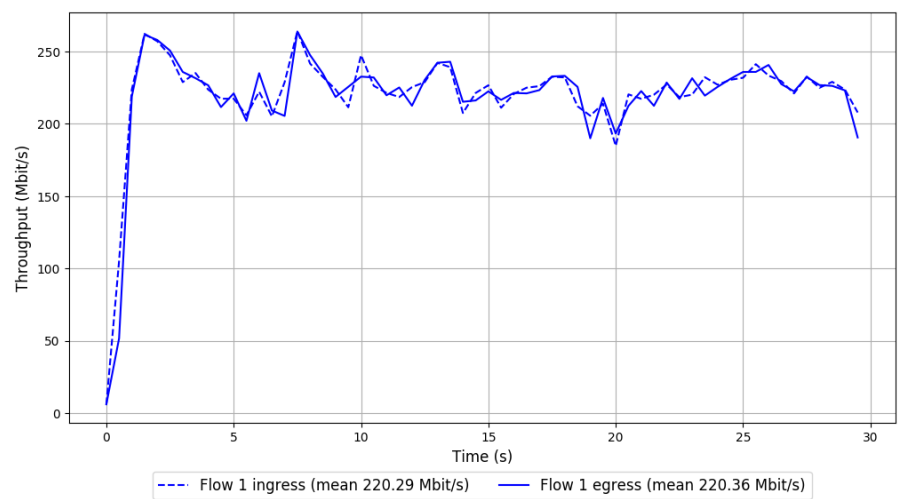
-- Flow 1:

Average throughput: 220.36 Mbit/s

95th percentile per-packet one-way delay: 114.150 ms

Loss rate: 0.54%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 06:23:48

End at: 2018-04-24 06:24:18

Below is generated by plot.py at 2018-04-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.69 Mbit/s

95th percentile per-packet one-way delay: 100.368 ms

Loss rate: 0.54%

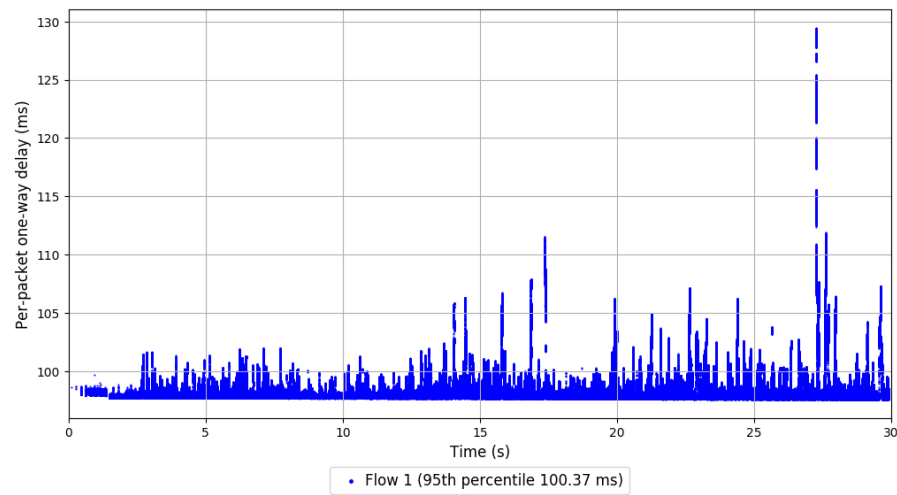
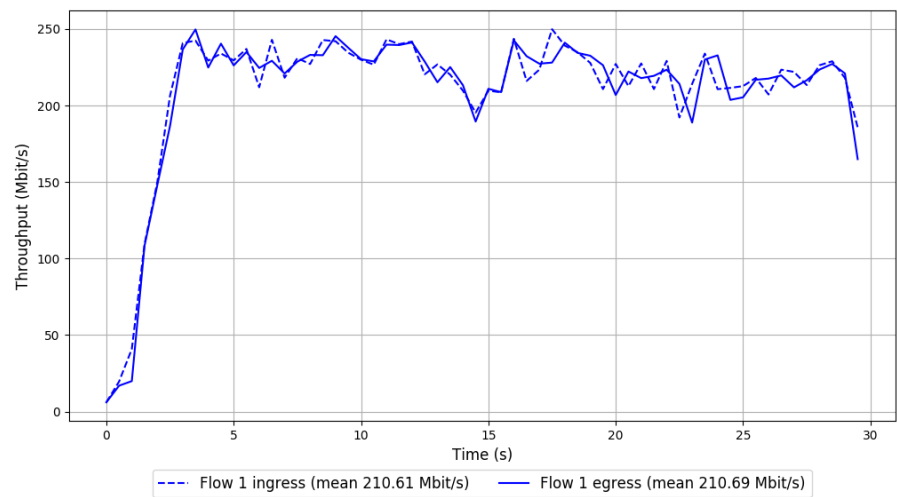
-- Flow 1:

Average throughput: 210.69 Mbit/s

95th percentile per-packet one-way delay: 100.368 ms

Loss rate: 0.54%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 06:37:39

End at: 2018-04-24 06:38:09

Below is generated by plot.py at 2018-04-24 10:14:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.13 Mbit/s

95th percentile per-packet one-way delay: 103.160 ms

Loss rate: 0.70%

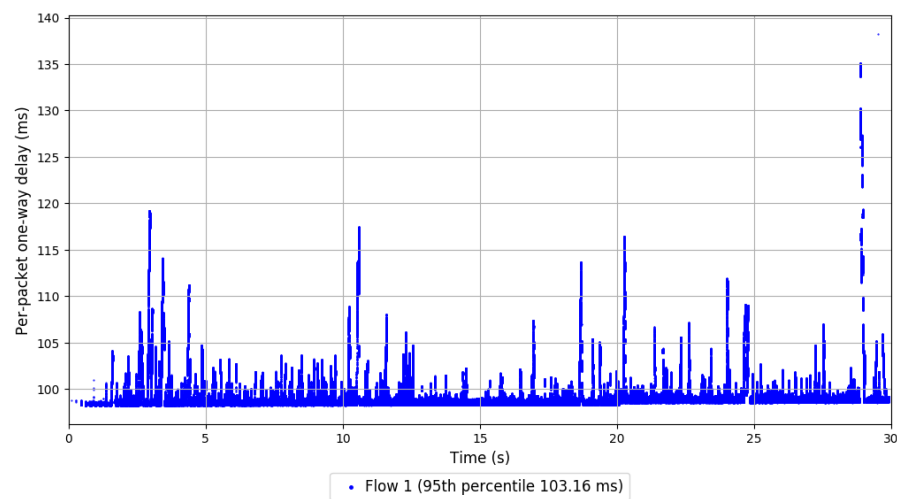
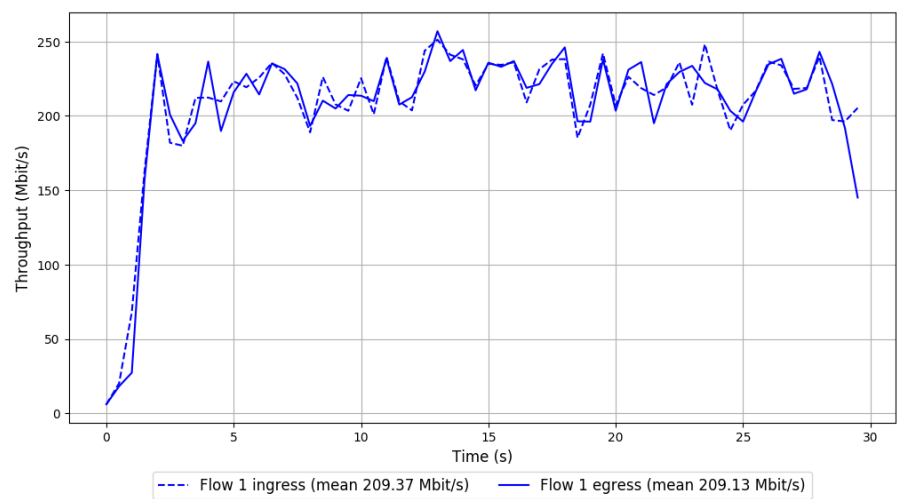
-- Flow 1:

Average throughput: 209.13 Mbit/s

95th percentile per-packet one-way delay: 103.160 ms

Loss rate: 0.70%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 06:51:25

End at: 2018-04-24 06:51:55

Below is generated by plot.py at 2018-04-24 10:14:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.75 Mbit/s

95th percentile per-packet one-way delay: 98.411 ms

Loss rate: 0.59%

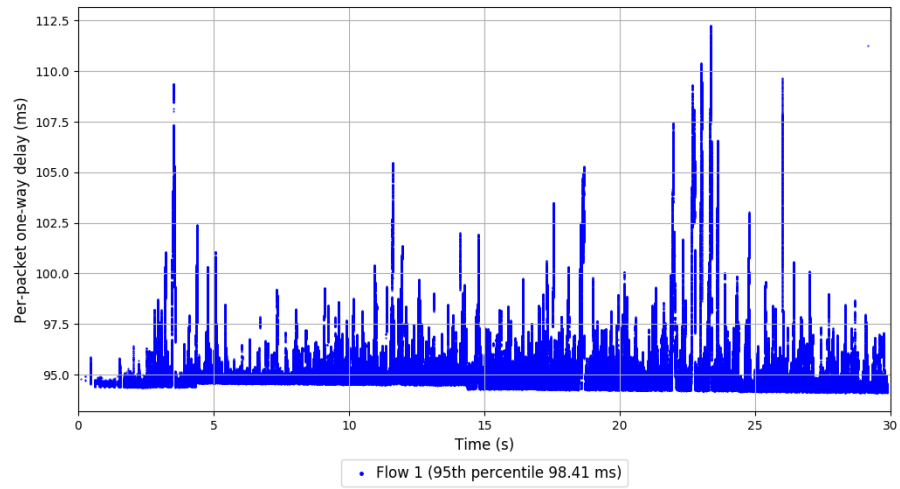
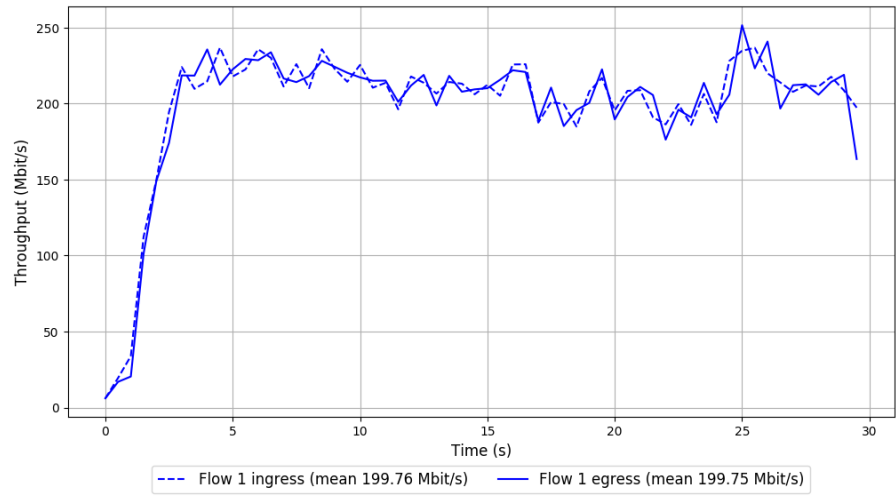
-- Flow 1:

Average throughput: 199.75 Mbit/s

95th percentile per-packet one-way delay: 98.411 ms

Loss rate: 0.59%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 07:05:03

End at: 2018-04-24 07:05:33

Below is generated by plot.py at 2018-04-24 10:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.20 Mbit/s

95th percentile per-packet one-way delay: 95.626 ms

Loss rate: 0.64%

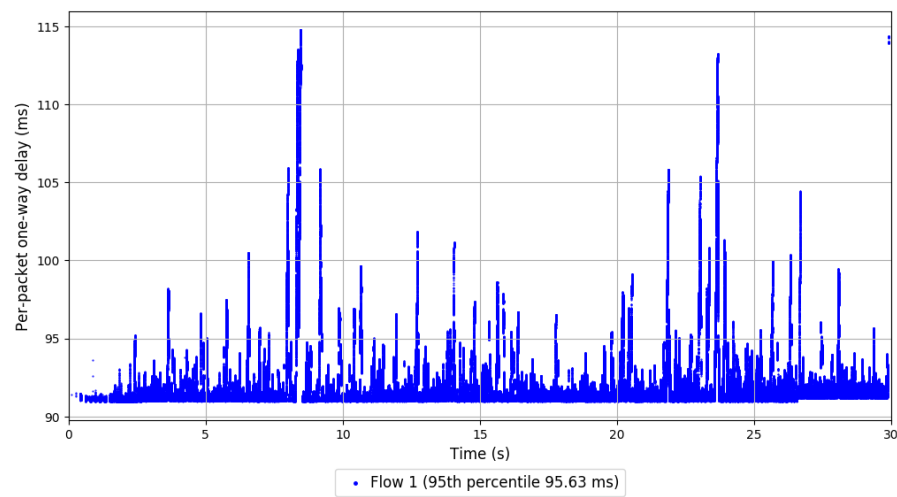
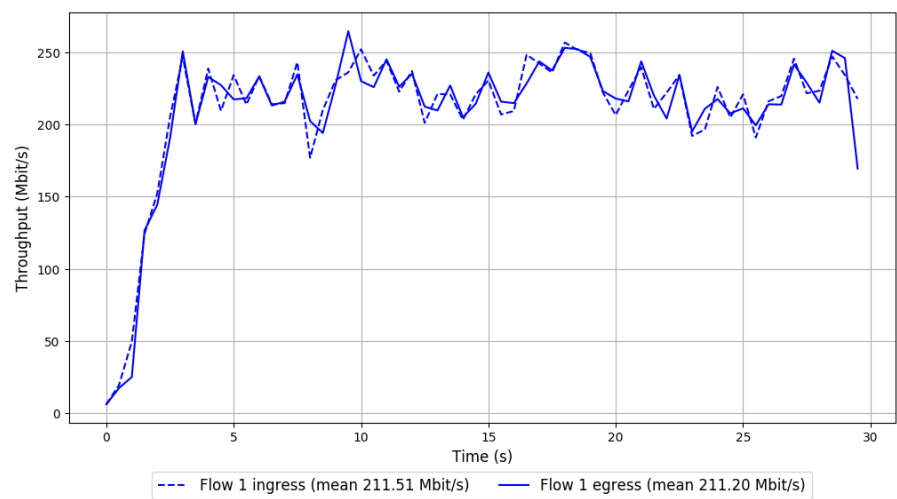
-- Flow 1:

Average throughput: 211.20 Mbit/s

95th percentile per-packet one-way delay: 95.626 ms

Loss rate: 0.64%

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

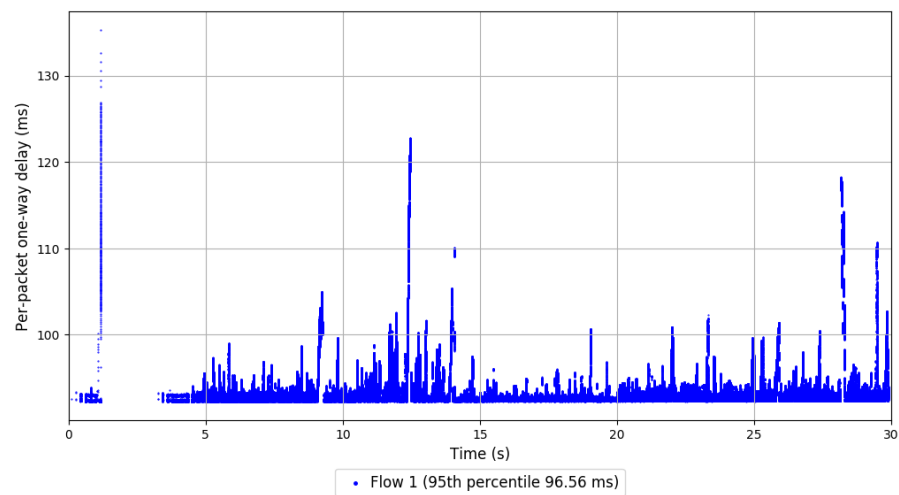
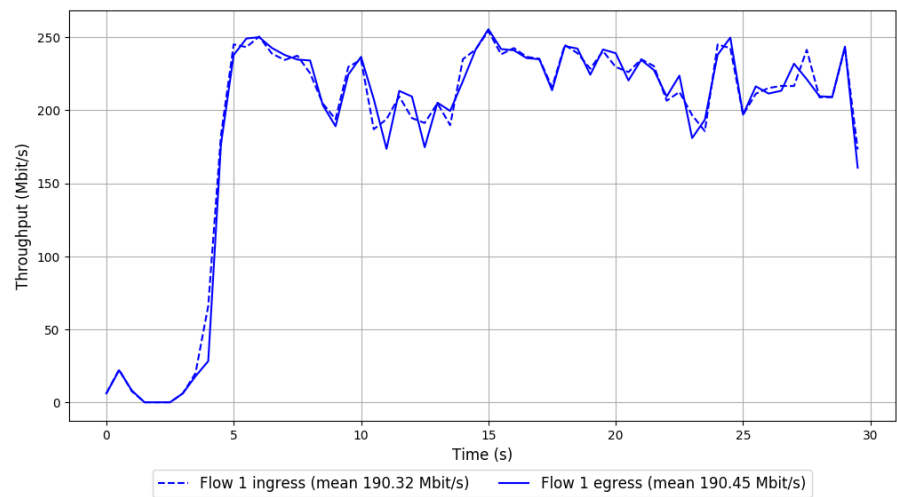


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 07:18:59
End at: 2018-04-24 07:19:29

# Below is generated by plot.py at 2018-04-24 10:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.45 Mbit/s
95th percentile per-packet one-way delay: 96.556 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 190.45 Mbit/s
95th percentile per-packet one-way delay: 96.556 ms
Loss rate: 0.51%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 05:18:00

End at: 2018-04-24 05:18:30

Below is generated by plot.py at 2018-04-24 10:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.60 Mbit/s

95th percentile per-packet one-way delay: 105.034 ms

Loss rate: 0.44%

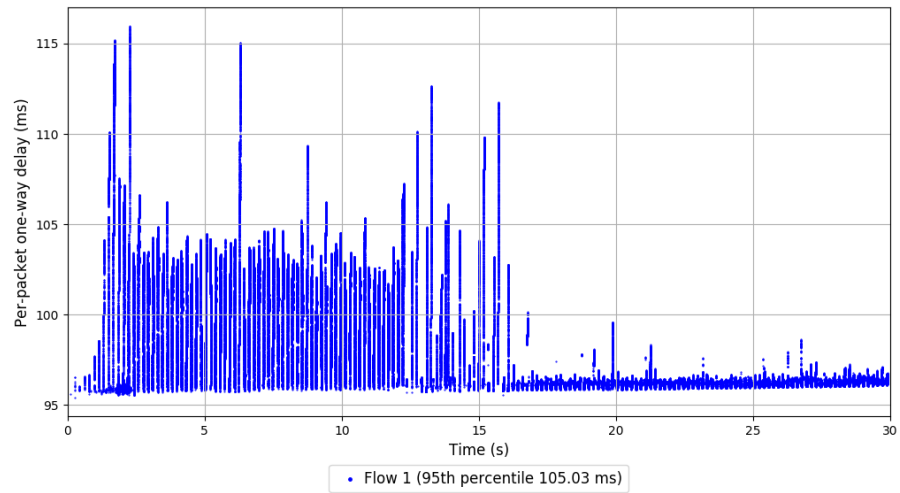
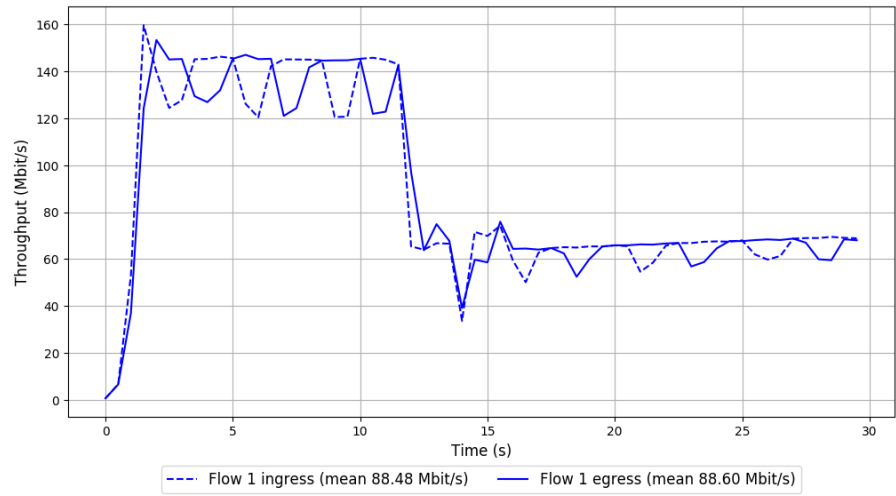
-- Flow 1:

Average throughput: 88.60 Mbit/s

95th percentile per-packet one-way delay: 105.034 ms

Loss rate: 0.44%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 05:31:42

End at: 2018-04-24 05:32:12

Below is generated by plot.py at 2018-04-24 10:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 102.228 ms

Loss rate: 0.59%

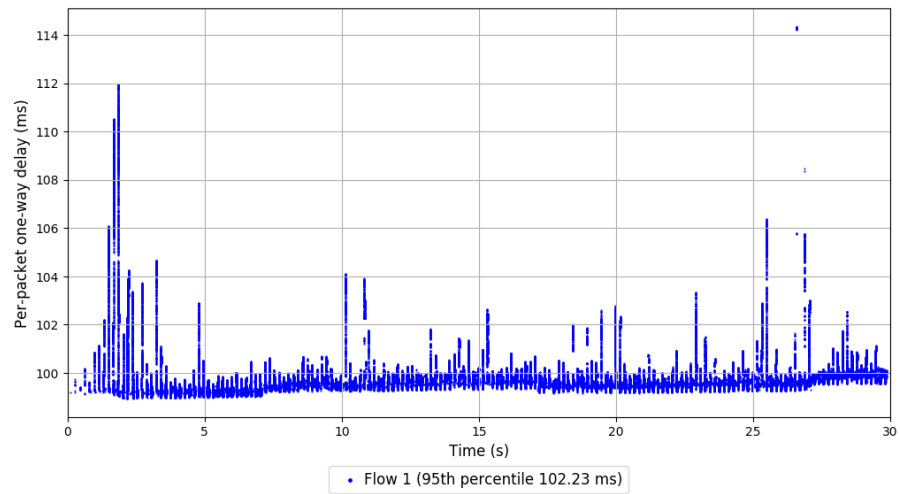
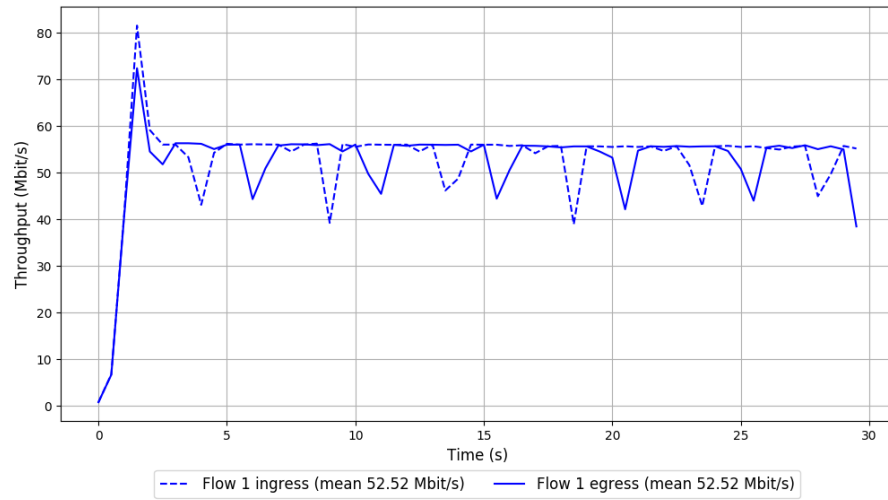
-- Flow 1:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 102.228 ms

Loss rate: 0.59%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 05:45:22

End at: 2018-04-24 05:45:52

Below is generated by plot.py at 2018-04-24 10:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.18 Mbit/s

95th percentile per-packet one-way delay: 101.940 ms

Loss rate: 0.66%

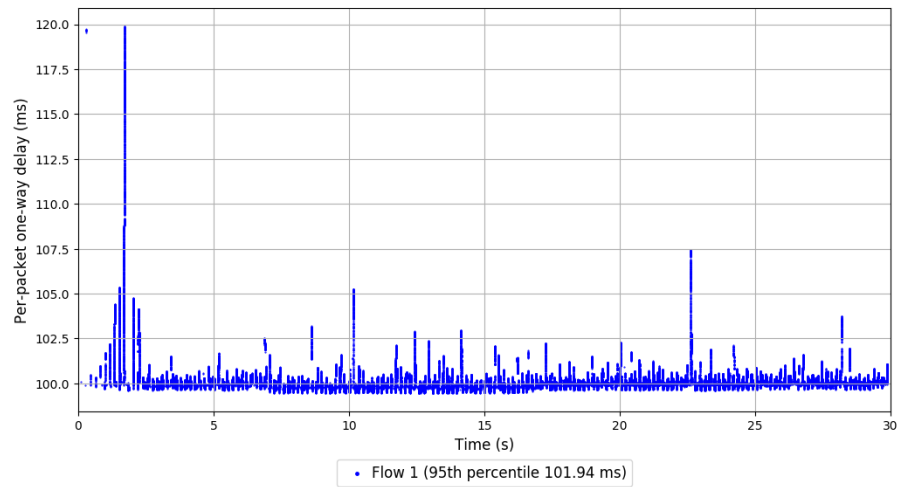
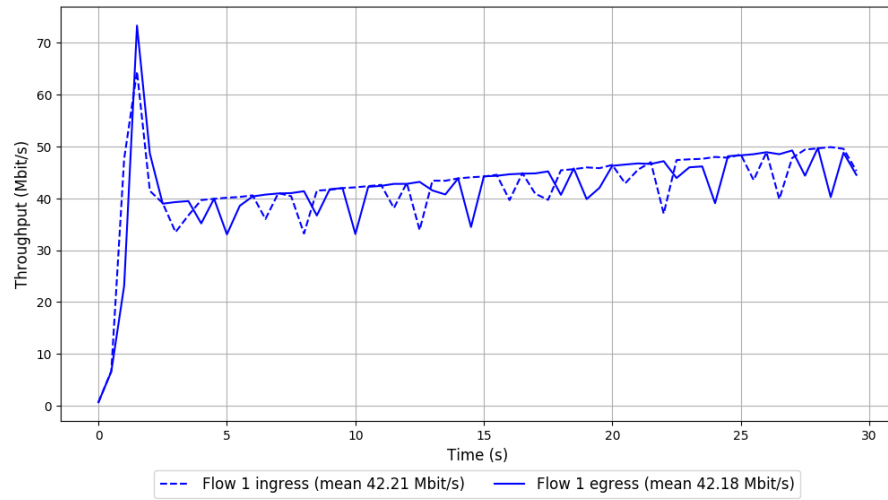
-- Flow 1:

Average throughput: 42.18 Mbit/s

95th percentile per-packet one-way delay: 101.940 ms

Loss rate: 0.66%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 05:59:14

End at: 2018-04-24 05:59:44

Below is generated by plot.py at 2018-04-24 10:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.03 Mbit/s

95th percentile per-packet one-way delay: 107.458 ms

Loss rate: 0.55%

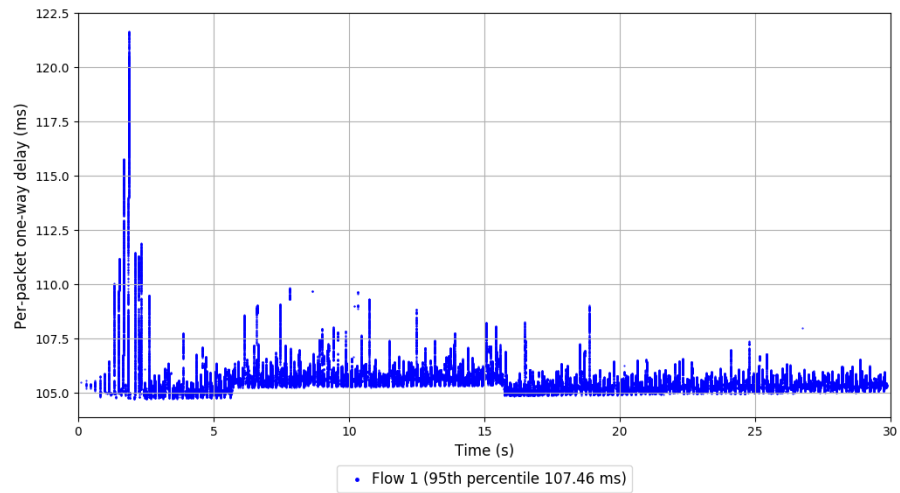
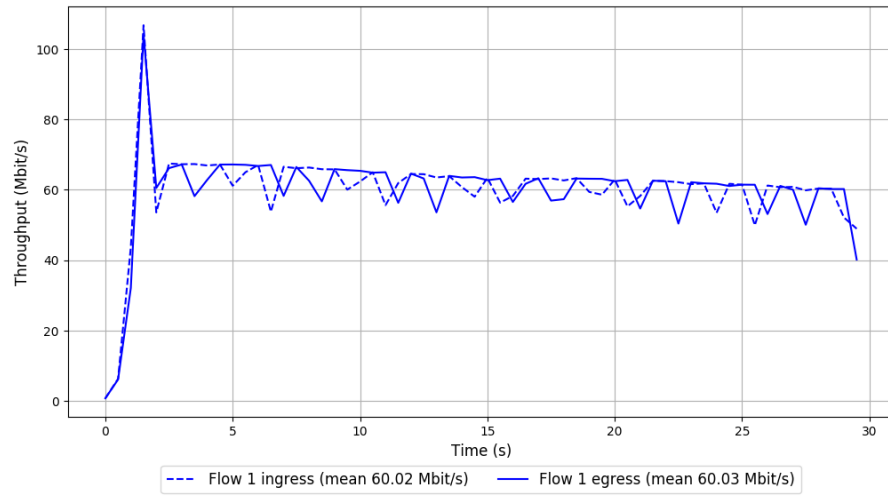
-- Flow 1:

Average throughput: 60.03 Mbit/s

95th percentile per-packet one-way delay: 107.458 ms

Loss rate: 0.55%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 06:13:00

End at: 2018-04-24 06:13:30

Below is generated by plot.py at 2018-04-24 10:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.09 Mbit/s

95th percentile per-packet one-way delay: 110.646 ms

Loss rate: 0.62%

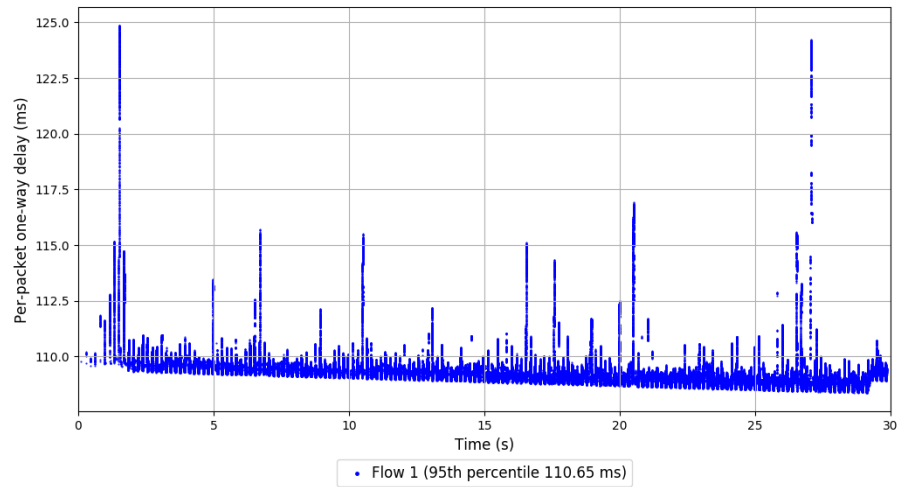
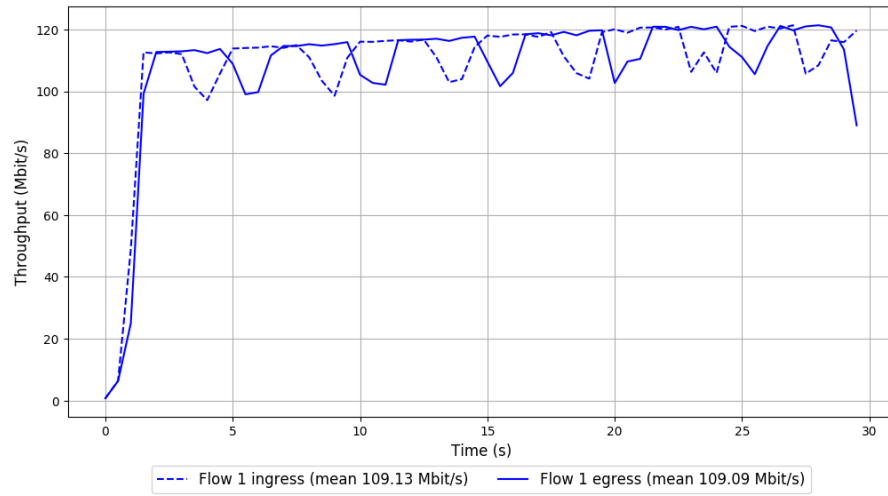
-- Flow 1:

Average throughput: 109.09 Mbit/s

95th percentile per-packet one-way delay: 110.646 ms

Loss rate: 0.62%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 06:26:52

End at: 2018-04-24 06:27:22

Below is generated by plot.py at 2018-04-24 10:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.35 Mbit/s

95th percentile per-packet one-way delay: 109.088 ms

Loss rate: 0.60%

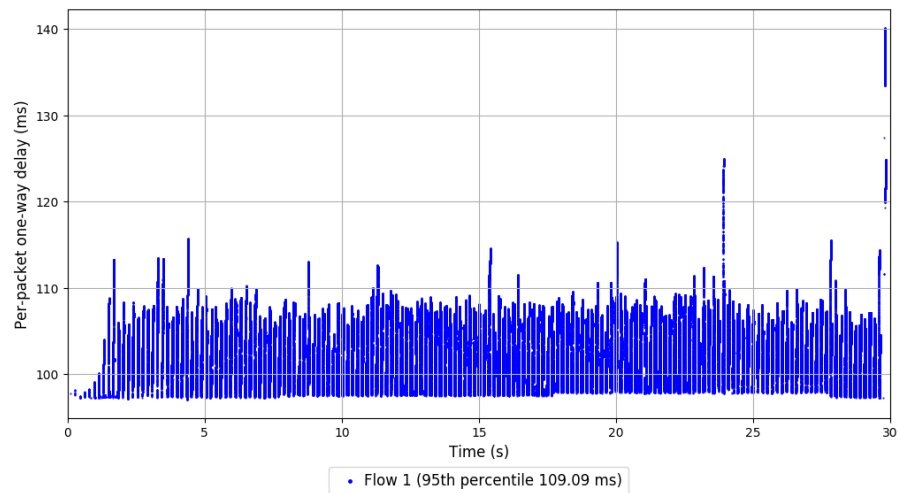
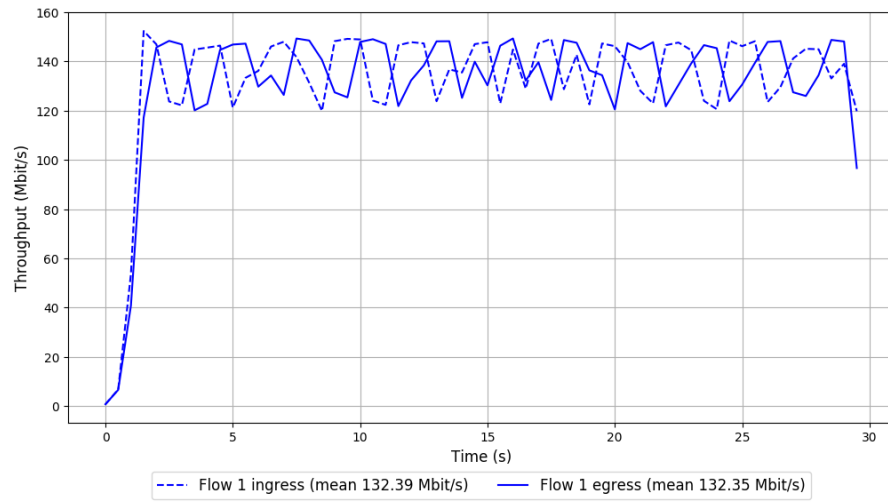
-- Flow 1:

Average throughput: 132.35 Mbit/s

95th percentile per-packet one-way delay: 109.088 ms

Loss rate: 0.60%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 06:40:42

End at: 2018-04-24 06:41:12

Below is generated by plot.py at 2018-04-24 10:14:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.99 Mbit/s

95th percentile per-packet one-way delay: 102.057 ms

Loss rate: 0.62%

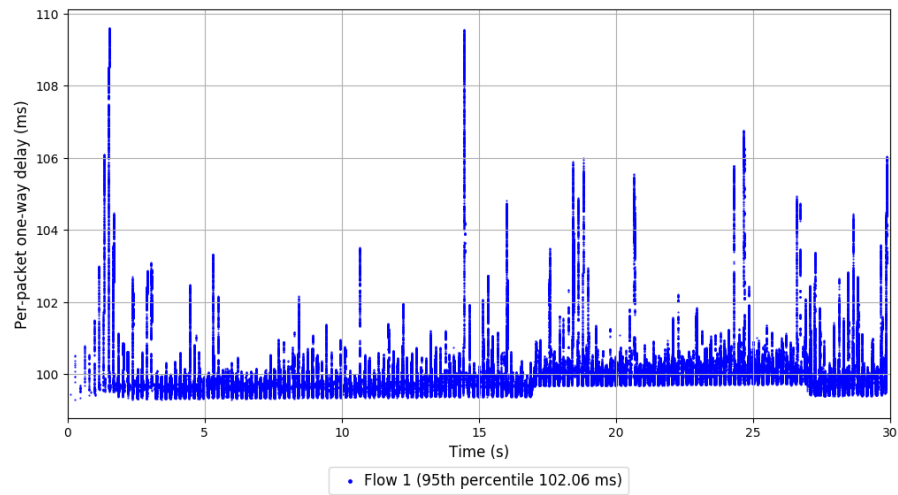
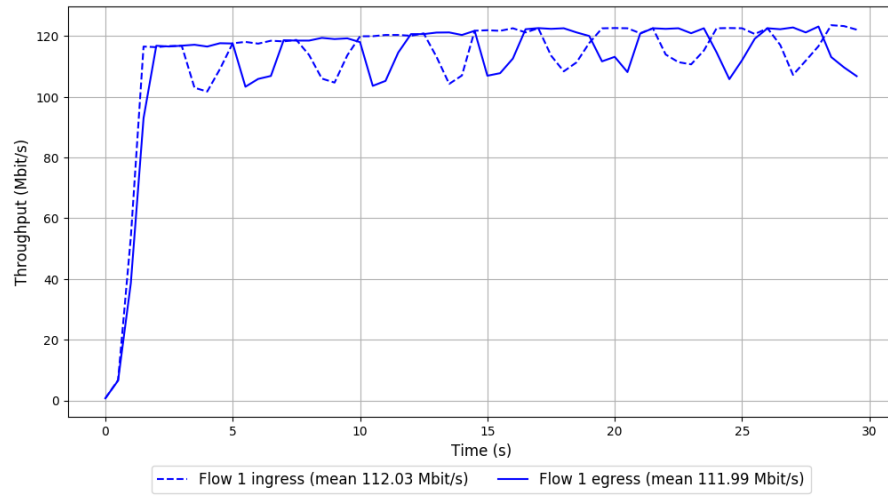
-- Flow 1:

Average throughput: 111.99 Mbit/s

95th percentile per-packet one-way delay: 102.057 ms

Loss rate: 0.62%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 06:54:27

End at: 2018-04-24 06:54:57

Below is generated by plot.py at 2018-04-24 10:14:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.04 Mbit/s

95th percentile per-packet one-way delay: 98.753 ms

Loss rate: 0.62%

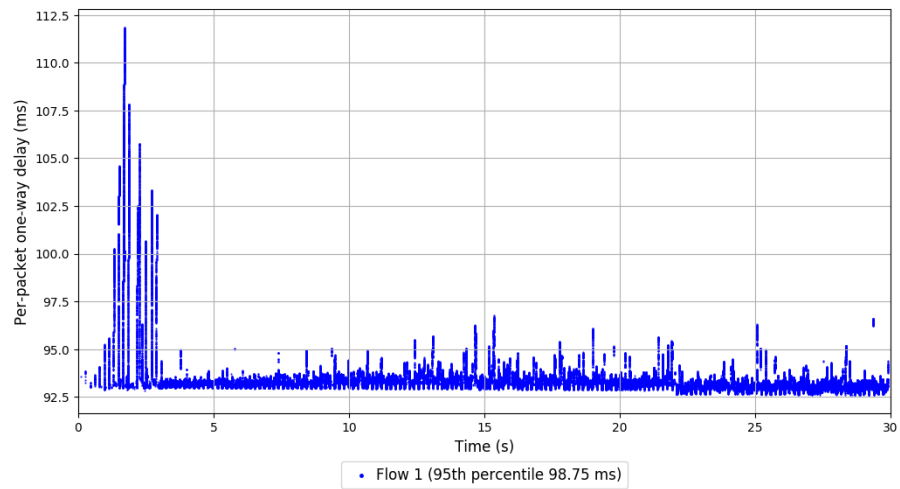
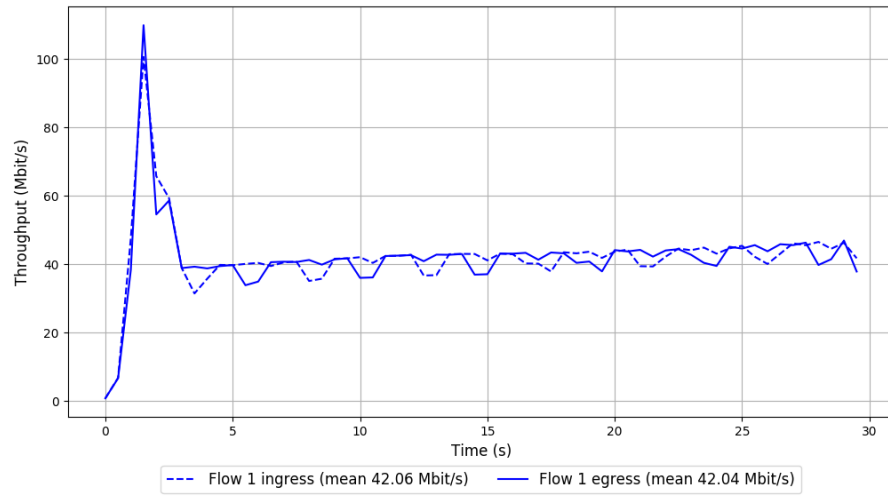
-- Flow 1:

Average throughput: 42.04 Mbit/s

95th percentile per-packet one-way delay: 98.753 ms

Loss rate: 0.62%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 07:08:06

End at: 2018-04-24 07:08:36

Below is generated by plot.py at 2018-04-24 10:14:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.91 Mbit/s

95th percentile per-packet one-way delay: 101.417 ms

Loss rate: 0.61%

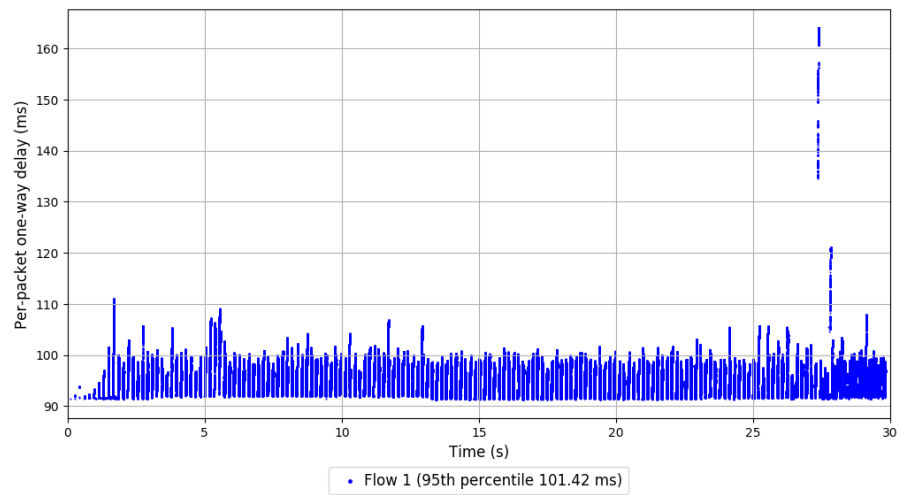
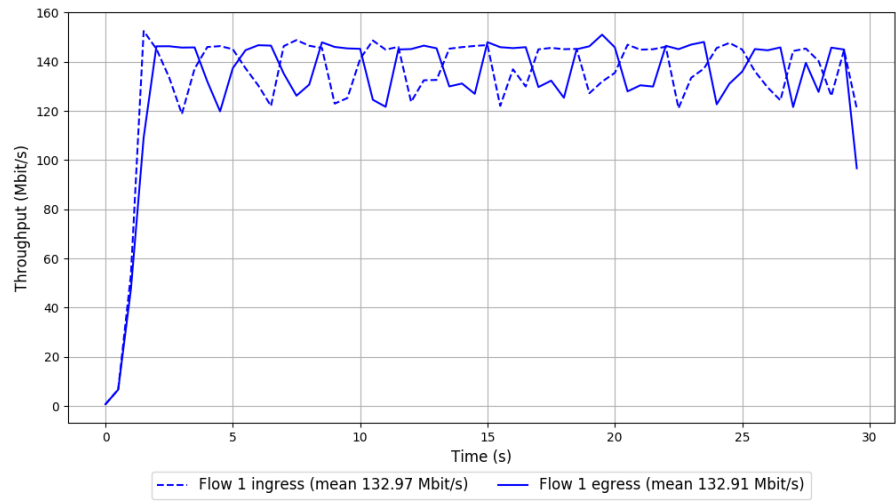
-- Flow 1:

Average throughput: 132.91 Mbit/s

95th percentile per-packet one-way delay: 101.417 ms

Loss rate: 0.61%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 07:22:01

End at: 2018-04-24 07:22:31

Below is generated by plot.py at 2018-04-24 10:14:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.59 Mbit/s

95th percentile per-packet one-way delay: 102.547 ms

Loss rate: 0.66%

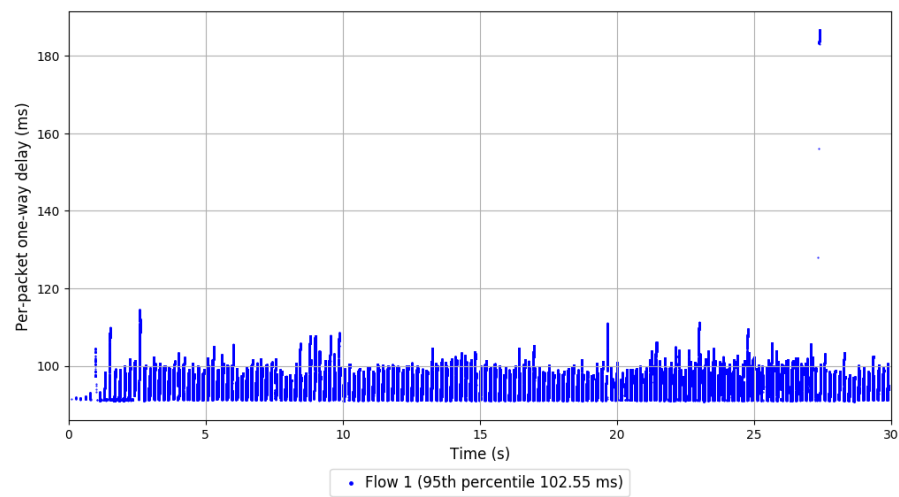
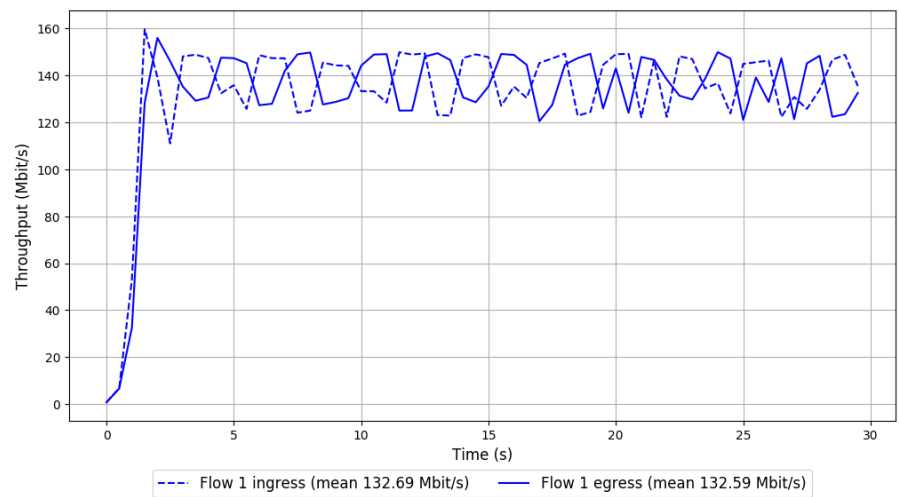
-- Flow 1:

Average throughput: 132.59 Mbit/s

95th percentile per-packet one-way delay: 102.547 ms

Loss rate: 0.66%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-24 05:08:51

End at: 2018-04-24 05:09:21

Below is generated by plot.py at 2018-04-24 10:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.68 Mbit/s

95th percentile per-packet one-way delay: 232.656 ms

Loss rate: 2.28%

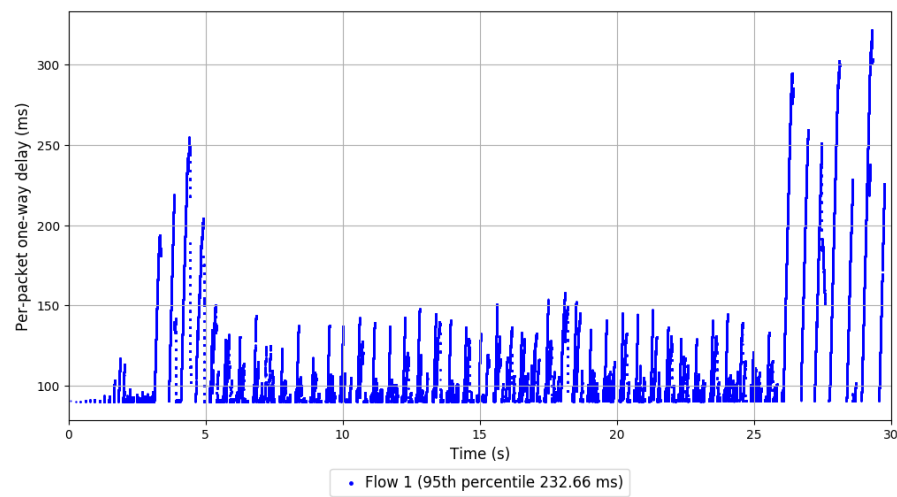
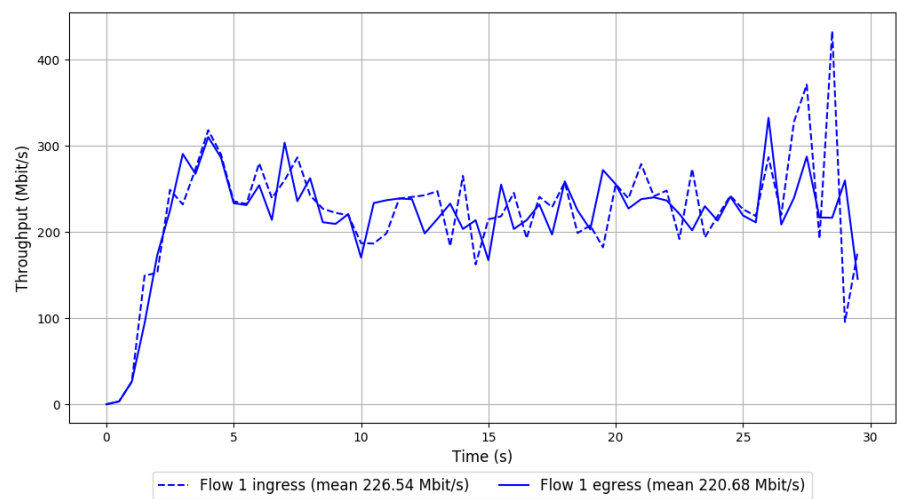
-- Flow 1:

Average throughput: 220.68 Mbit/s

95th percentile per-packet one-way delay: 232.656 ms

Loss rate: 2.28%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-24 05:22:38

End at: 2018-04-24 05:23:08

Below is generated by plot.py at 2018-04-24 10:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.06 Mbit/s

95th percentile per-packet one-way delay: 127.509 ms

Loss rate: 1.08%

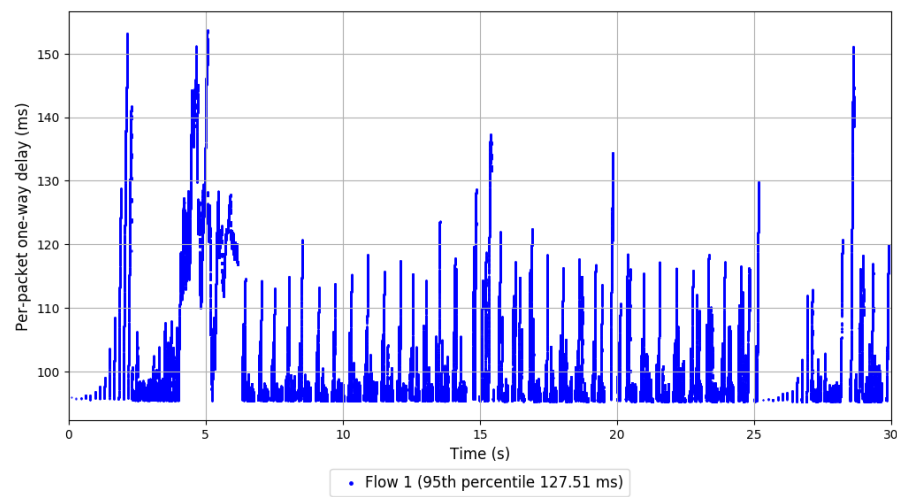
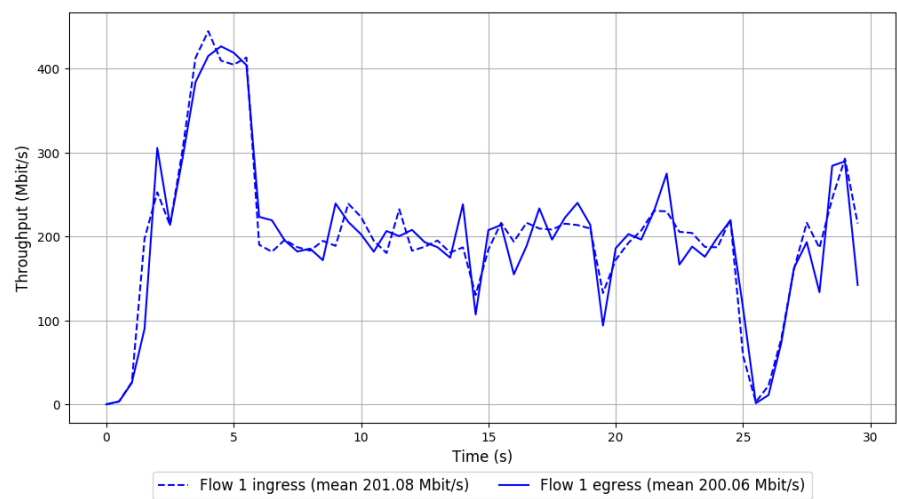
-- Flow 1:

Average throughput: 200.06 Mbit/s

95th percentile per-packet one-way delay: 127.509 ms

Loss rate: 1.08%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-24 05:36:18

End at: 2018-04-24 05:36:49

Below is generated by plot.py at 2018-04-24 10:15:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.80 Mbit/s

95th percentile per-packet one-way delay: 272.306 ms

Loss rate: 6.39%

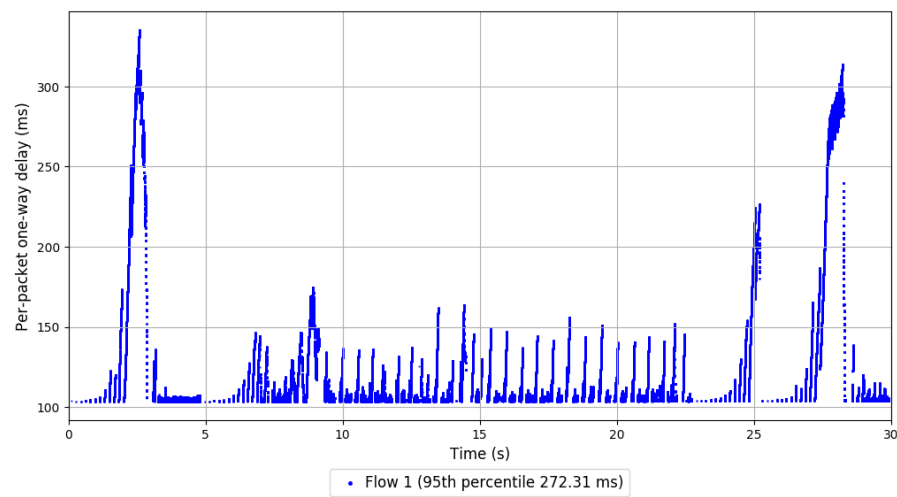
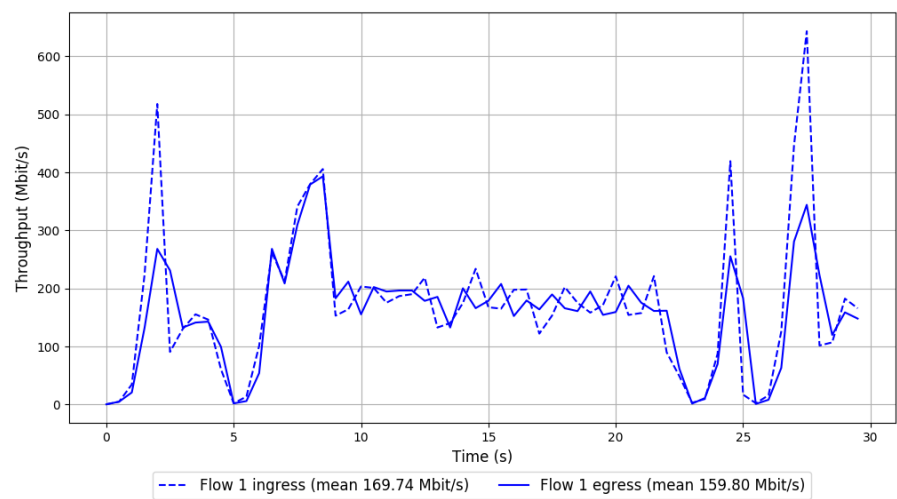
-- Flow 1:

Average throughput: 159.80 Mbit/s

95th percentile per-packet one-way delay: 272.306 ms

Loss rate: 6.39%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-24 05:49:58

End at: 2018-04-24 05:50:28

Below is generated by plot.py at 2018-04-24 10:16:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.57 Mbit/s

95th percentile per-packet one-way delay: 134.495 ms

Loss rate: 1.02%

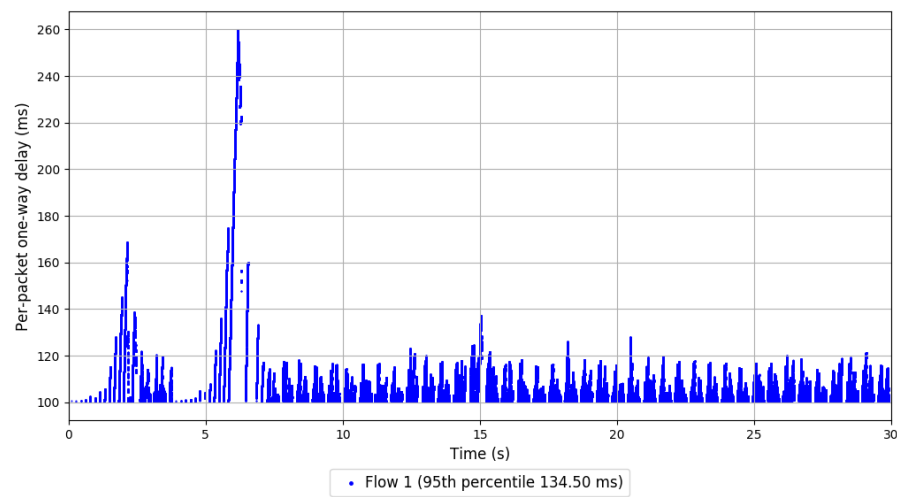
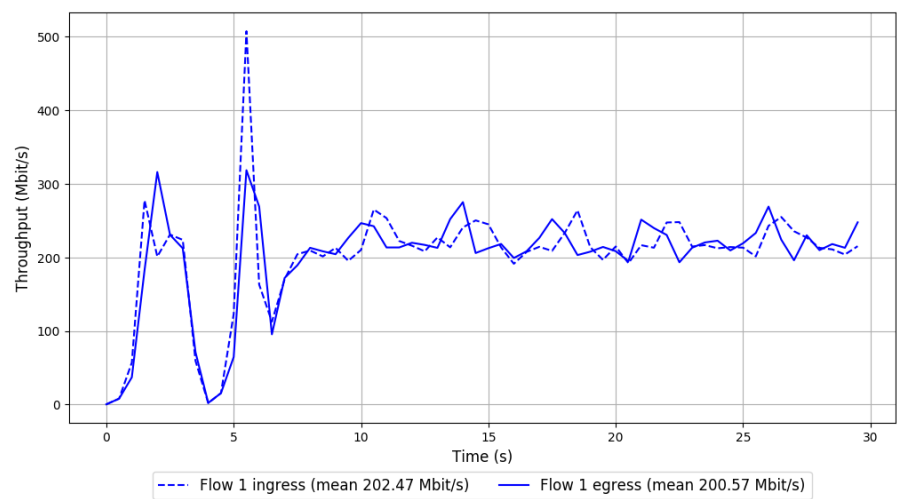
-- Flow 1:

Average throughput: 200.57 Mbit/s

95th percentile per-packet one-way delay: 134.495 ms

Loss rate: 1.02%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-24 06:03:49

End at: 2018-04-24 06:04:19

Below is generated by plot.py at 2018-04-24 10:16:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.51 Mbit/s

95th percentile per-packet one-way delay: 147.451 ms

Loss rate: 0.73%

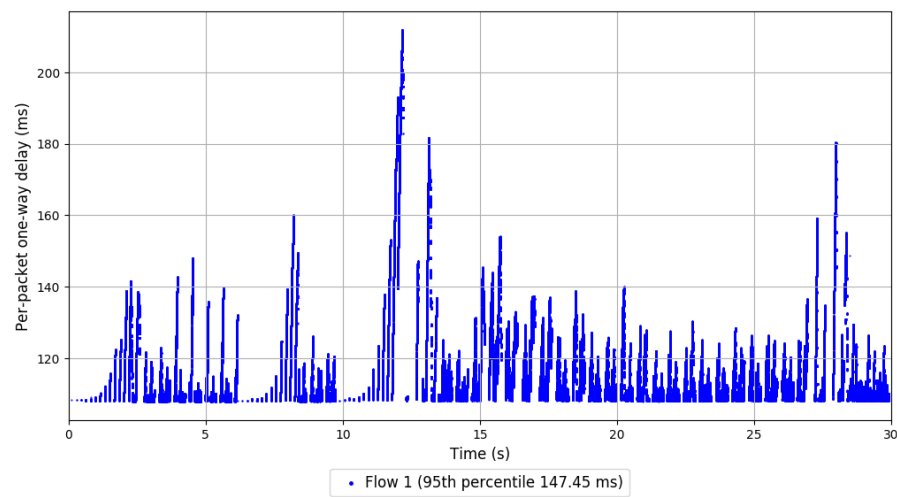
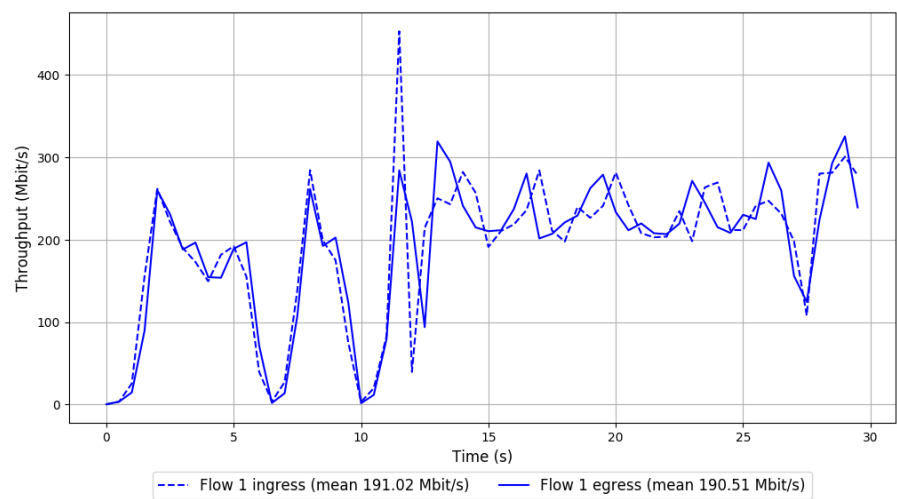
-- Flow 1:

Average throughput: 190.51 Mbit/s

95th percentile per-packet one-way delay: 147.451 ms

Loss rate: 0.73%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-24 06:17:37

End at: 2018-04-24 06:18:07

Below is generated by plot.py at 2018-04-24 10:17:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.38 Mbit/s

95th percentile per-packet one-way delay: 148.548 ms

Loss rate: 1.58%

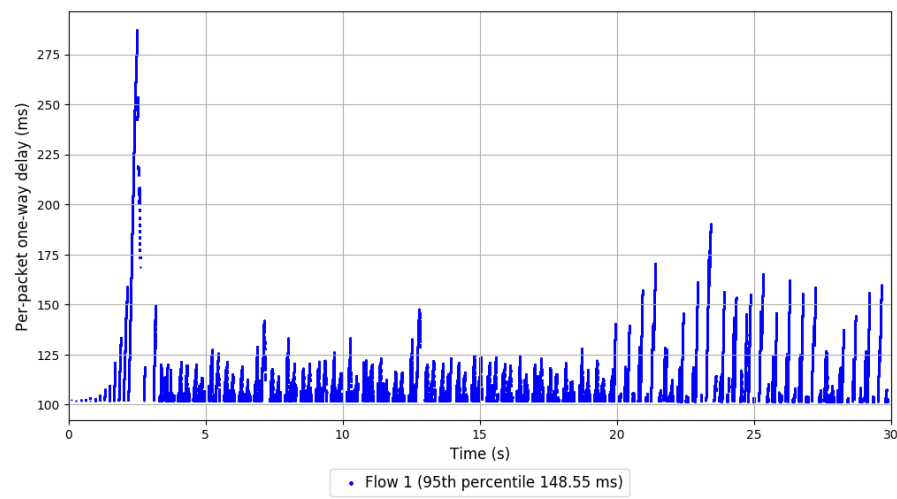
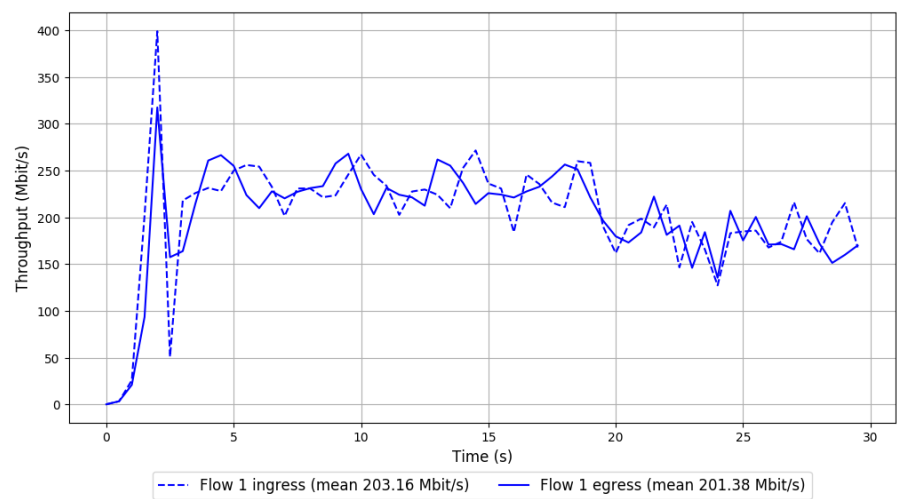
-- Flow 1:

Average throughput: 201.38 Mbit/s

95th percentile per-packet one-way delay: 148.548 ms

Loss rate: 1.58%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-24 06:31:32

End at: 2018-04-24 06:32:02

Below is generated by plot.py at 2018-04-24 10:17:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.53 Mbit/s

95th percentile per-packet one-way delay: 140.317 ms

Loss rate: 0.92%

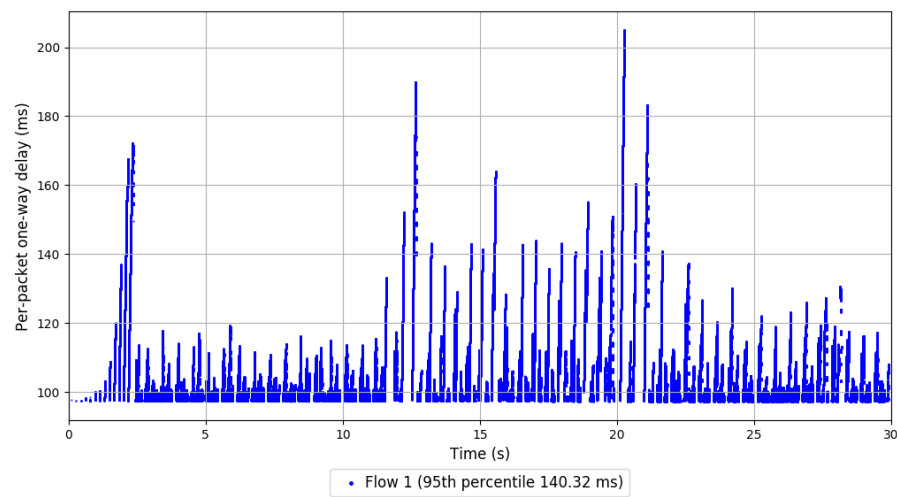
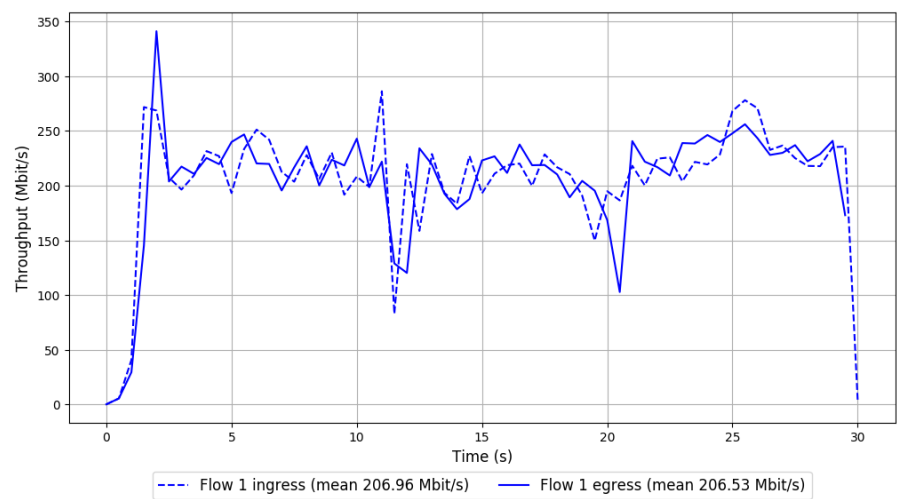
-- Flow 1:

Average throughput: 206.53 Mbit/s

95th percentile per-packet one-way delay: 140.317 ms

Loss rate: 0.92%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 06:45:19

End at: 2018-04-24 06:45:49

Below is generated by plot.py at 2018-04-24 10:17:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.33 Mbit/s

95th percentile per-packet one-way delay: 181.741 ms

Loss rate: 0.72%

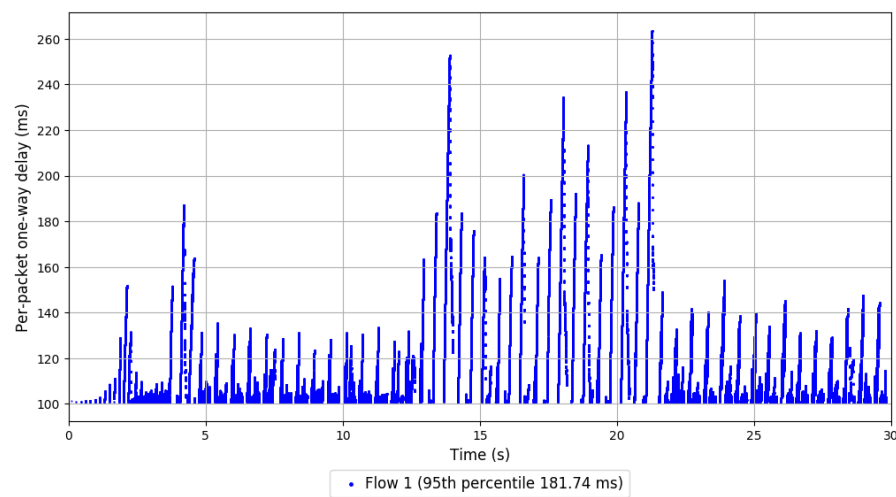
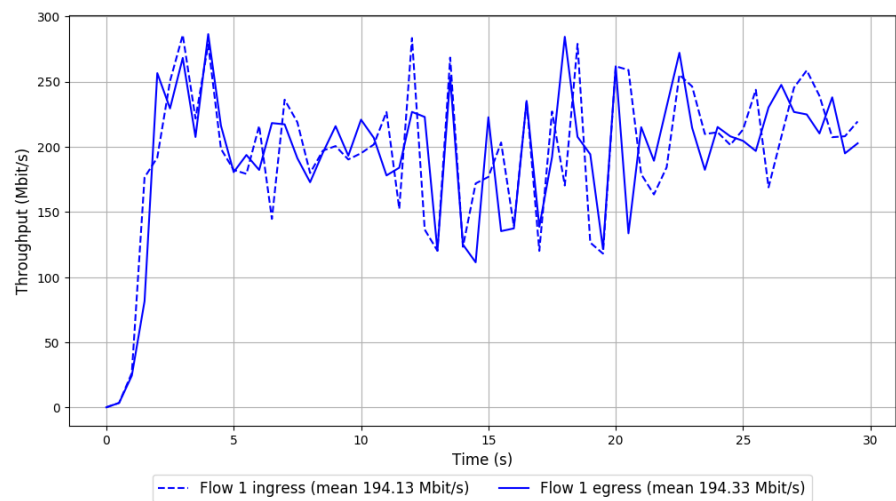
-- Flow 1:

Average throughput: 194.33 Mbit/s

95th percentile per-packet one-way delay: 181.741 ms

Loss rate: 0.72%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-24 06:59:04

End at: 2018-04-24 06:59:34

Below is generated by plot.py at 2018-04-24 10:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.76 Mbit/s

95th percentile per-packet one-way delay: 185.361 ms

Loss rate: 1.61%

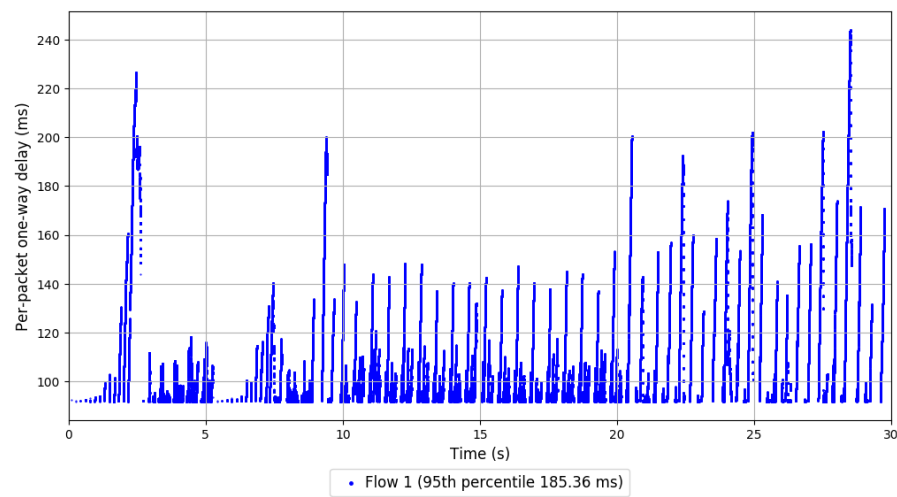
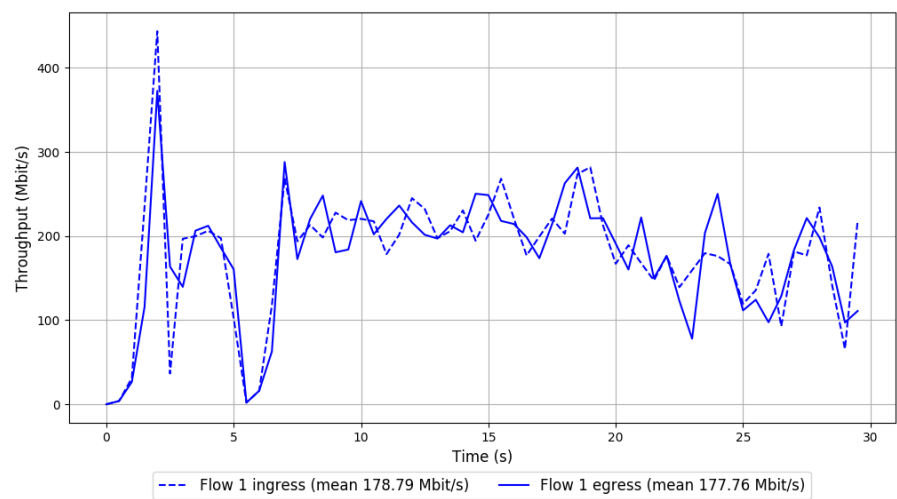
-- Flow 1:

Average throughput: 177.76 Mbit/s

95th percentile per-packet one-way delay: 185.361 ms

Loss rate: 1.61%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 07:12:47

End at: 2018-04-24 07:13:17

Below is generated by plot.py at 2018-04-24 10:19:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.36 Mbit/s

95th percentile per-packet one-way delay: 236.123 ms

Loss rate: 3.37%

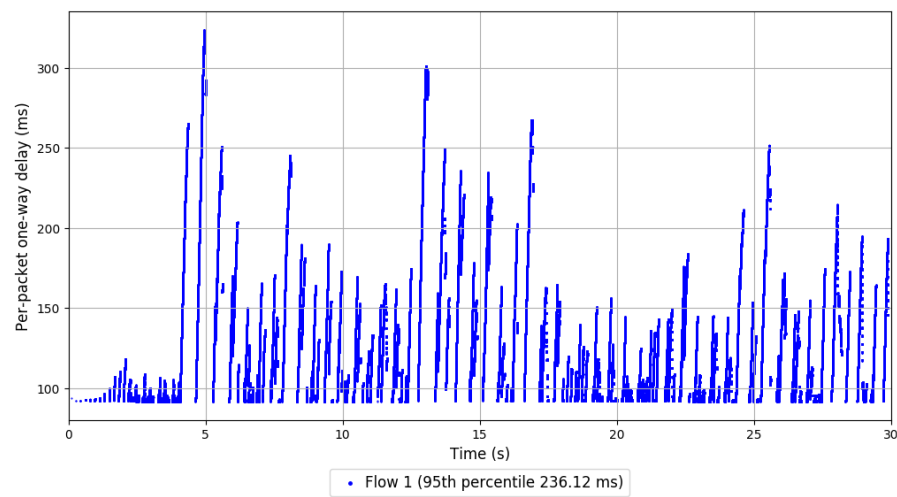
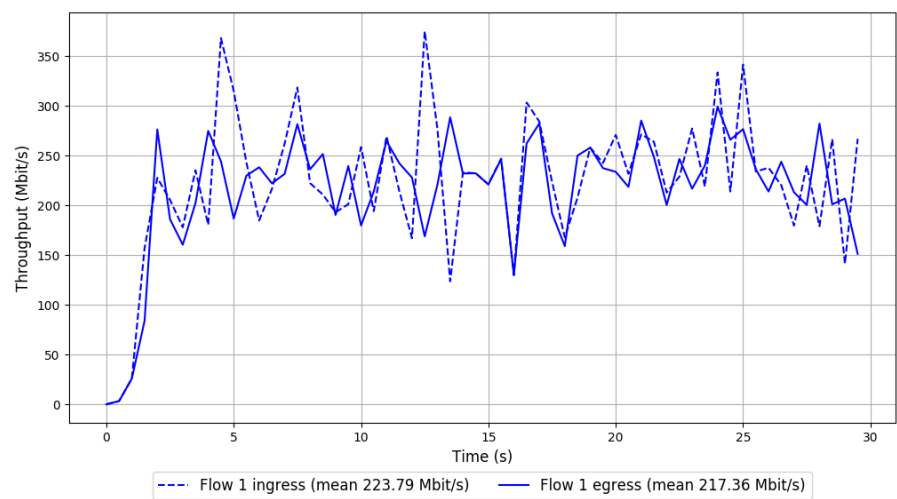
-- Flow 1:

Average throughput: 217.36 Mbit/s

95th percentile per-packet one-way delay: 236.123 ms

Loss rate: 3.37%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-24 05:11:45

End at: 2018-04-24 05:12:15

Below is generated by plot.py at 2018-04-24 10:19:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 94.307 ms

Loss rate: 0.97%

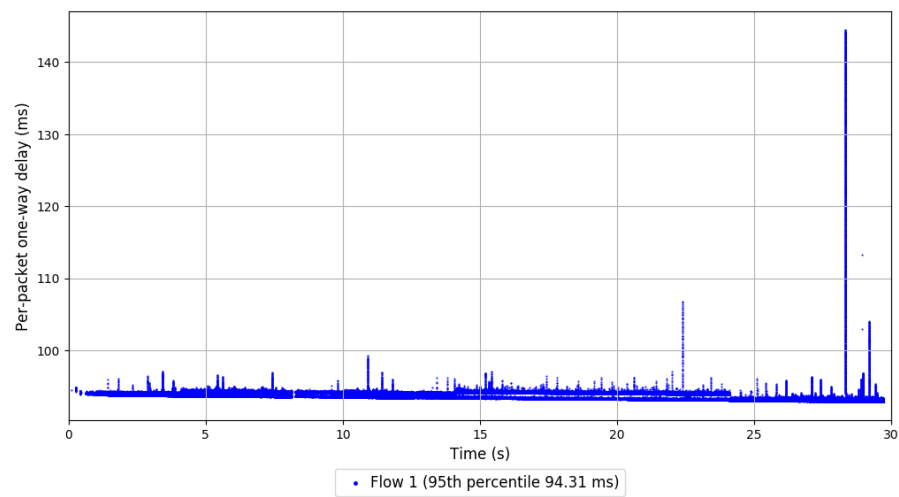
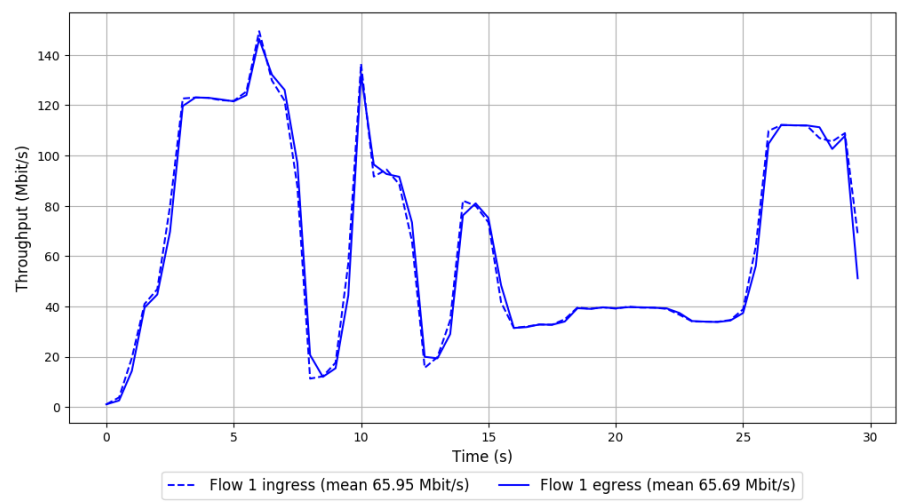
-- Flow 1:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 94.307 ms

Loss rate: 0.97%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-24 05:25:32

End at: 2018-04-24 05:26:02

Below is generated by plot.py at 2018-04-24 10:19:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.47 Mbit/s

95th percentile per-packet one-way delay: 95.517 ms

Loss rate: 0.24%

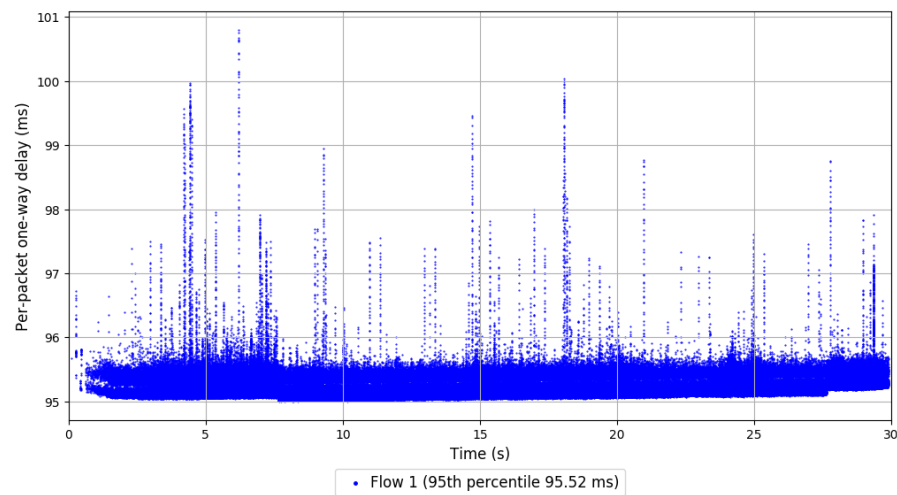
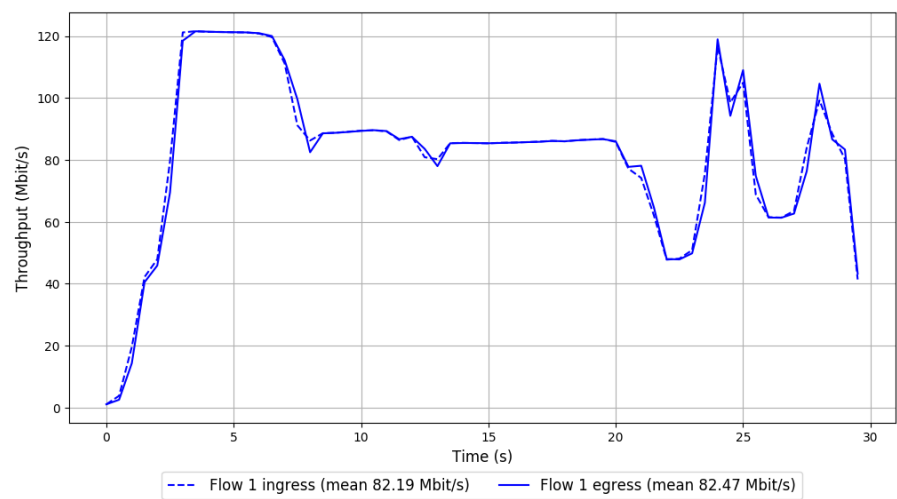
-- Flow 1:

Average throughput: 82.47 Mbit/s

95th percentile per-packet one-way delay: 95.517 ms

Loss rate: 0.24%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-24 05:39:10

End at: 2018-04-24 05:39:40

Below is generated by plot.py at 2018-04-24 10:19:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.87 Mbit/s

95th percentile per-packet one-way delay: 102.701 ms

Loss rate: 0.38%

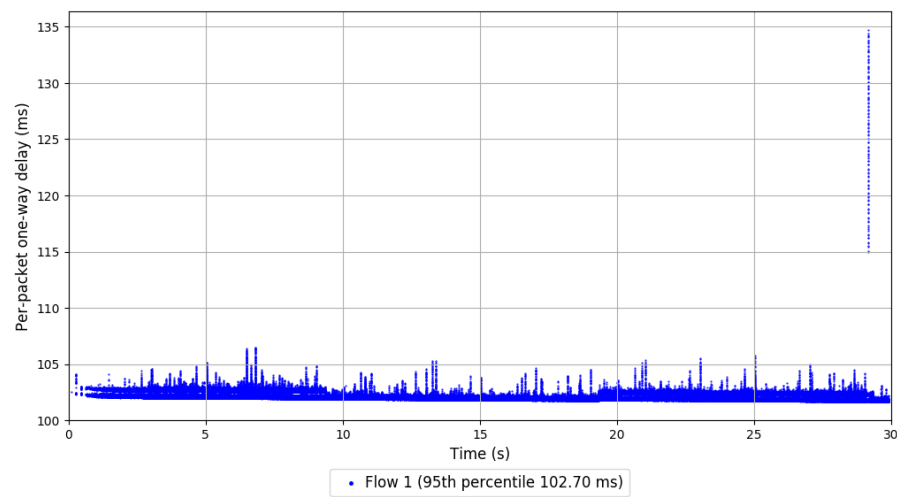
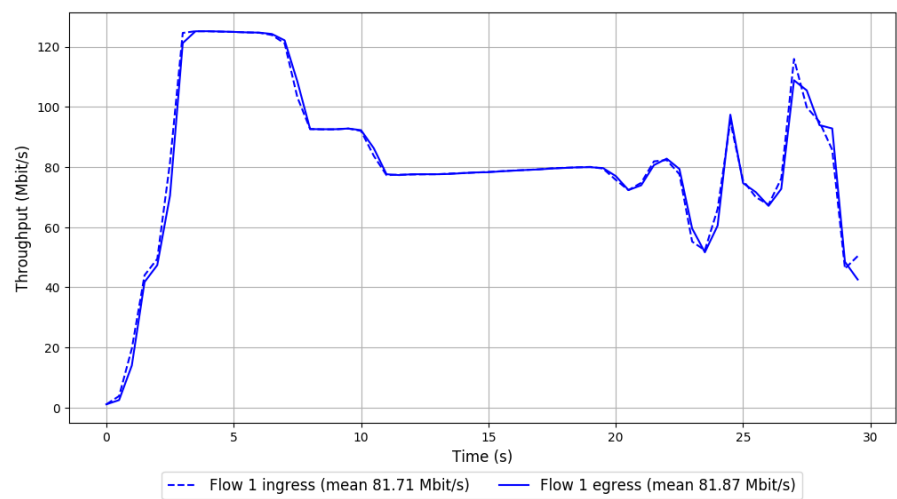
-- Flow 1:

Average throughput: 81.87 Mbit/s

95th percentile per-packet one-way delay: 102.701 ms

Loss rate: 0.38%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-24 05:52:53

End at: 2018-04-24 05:53:23

Below is generated by plot.py at 2018-04-24 10:20:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 102.023 ms

Loss rate: 0.57%

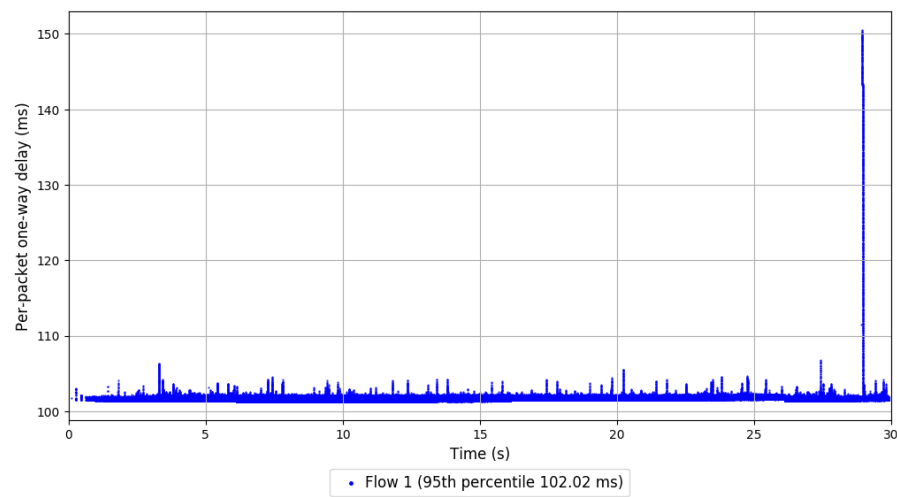
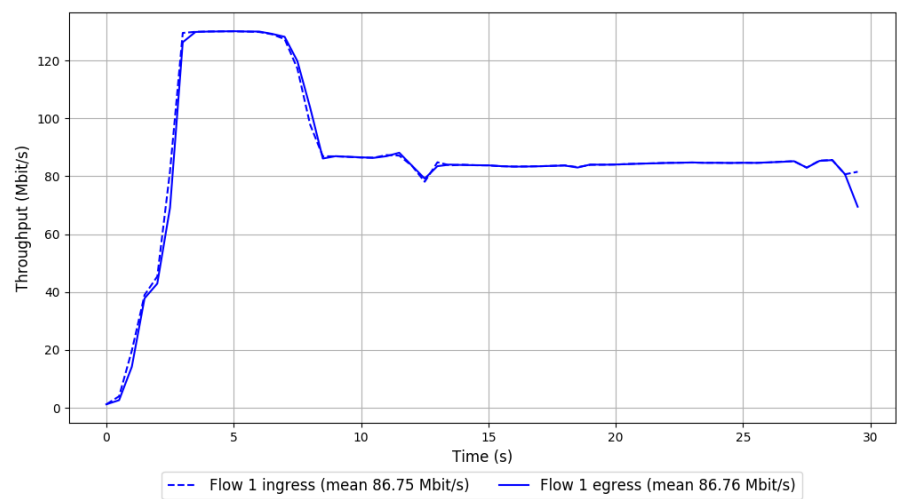
-- Flow 1:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 102.023 ms

Loss rate: 0.57%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-24 06:06:42

End at: 2018-04-24 06:07:12

Below is generated by plot.py at 2018-04-24 10:20:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.29 Mbit/s

95th percentile per-packet one-way delay: 110.743 ms

Loss rate: 0.33%

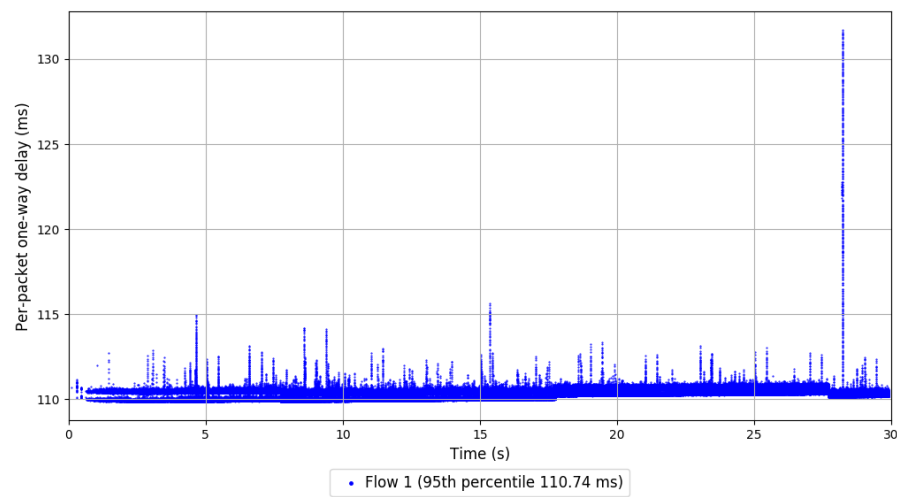
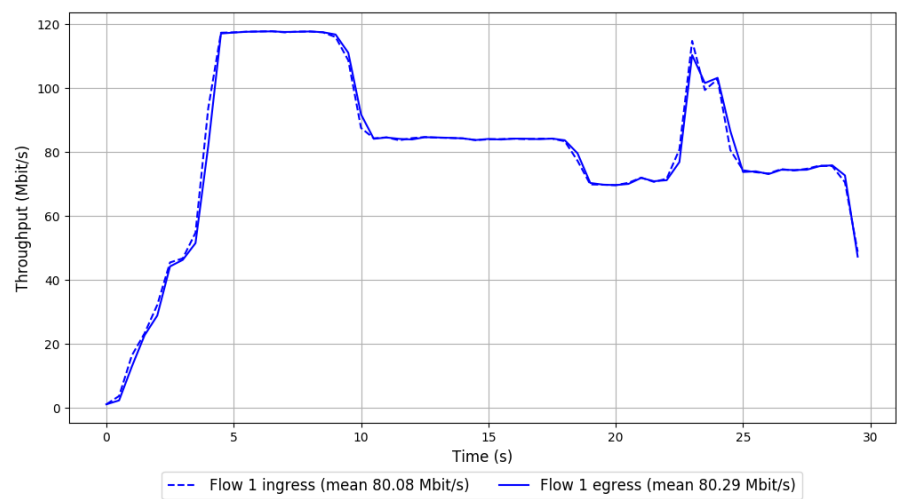
-- Flow 1:

Average throughput: 80.29 Mbit/s

95th percentile per-packet one-way delay: 110.743 ms

Loss rate: 0.33%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-24 06:20:33

End at: 2018-04-24 06:21:03

Below is generated by plot.py at 2018-04-24 10:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 99.920 ms

Loss rate: 0.28%

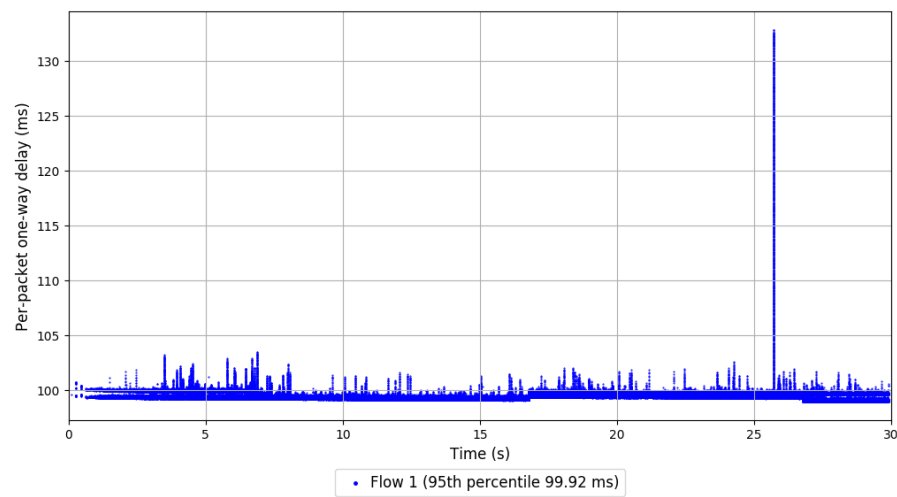
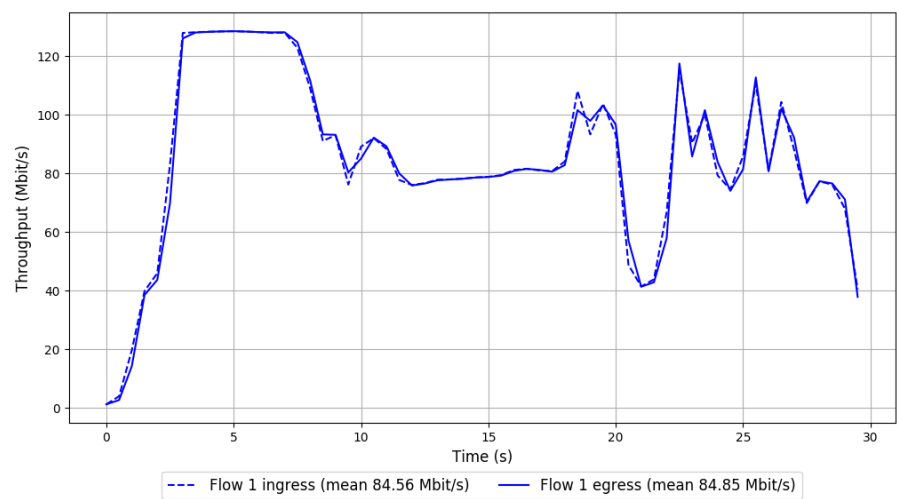
-- Flow 1:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 99.920 ms

Loss rate: 0.28%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-24 06:34:28

End at: 2018-04-24 06:34:58

Below is generated by plot.py at 2018-04-24 10:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.68 Mbit/s

95th percentile per-packet one-way delay: 98.277 ms

Loss rate: 0.30%

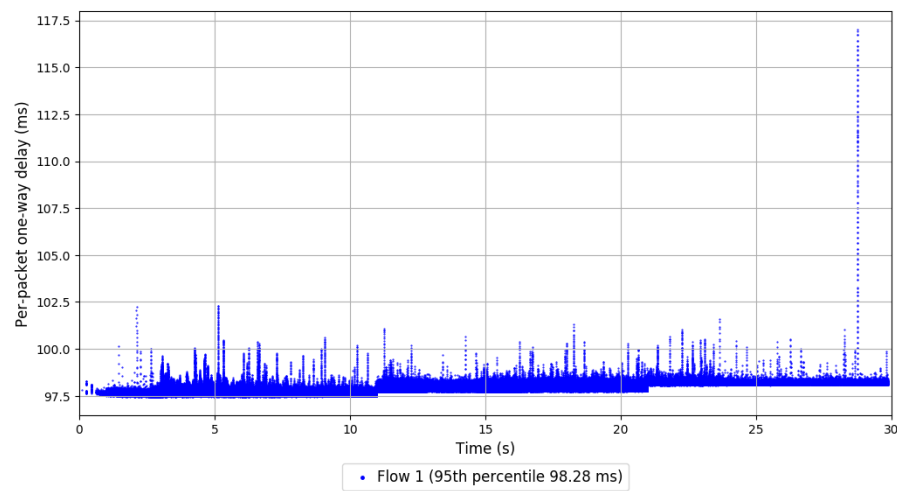
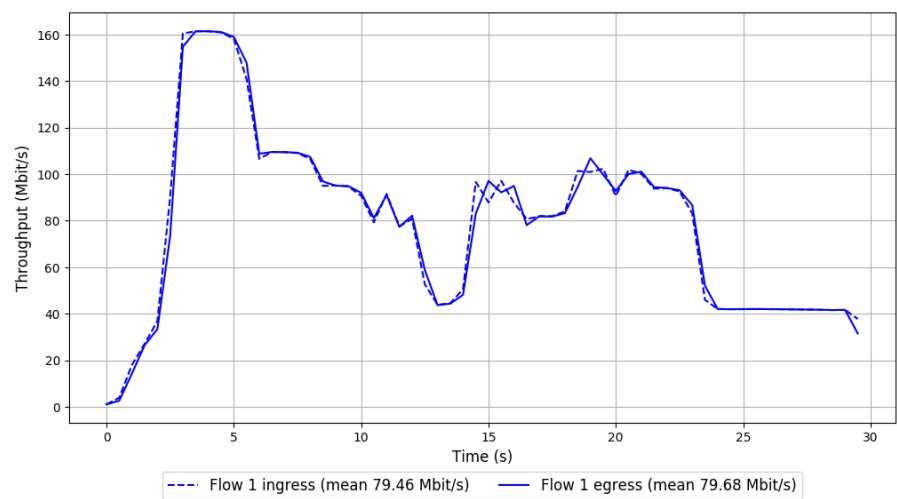
-- Flow 1:

Average throughput: 79.68 Mbit/s

95th percentile per-packet one-way delay: 98.277 ms

Loss rate: 0.30%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 06:48:15

End at: 2018-04-24 06:48:45

Below is generated by plot.py at 2018-04-24 10:20:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 97.656 ms

Loss rate: 0.50%

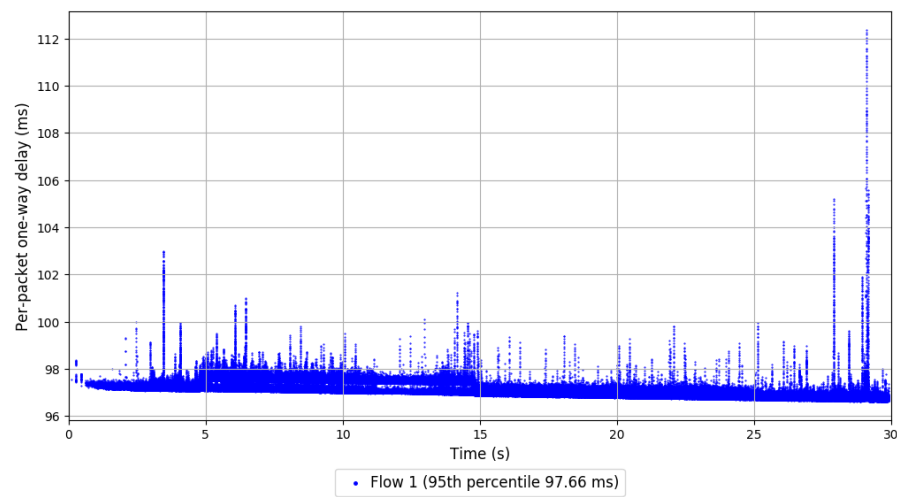
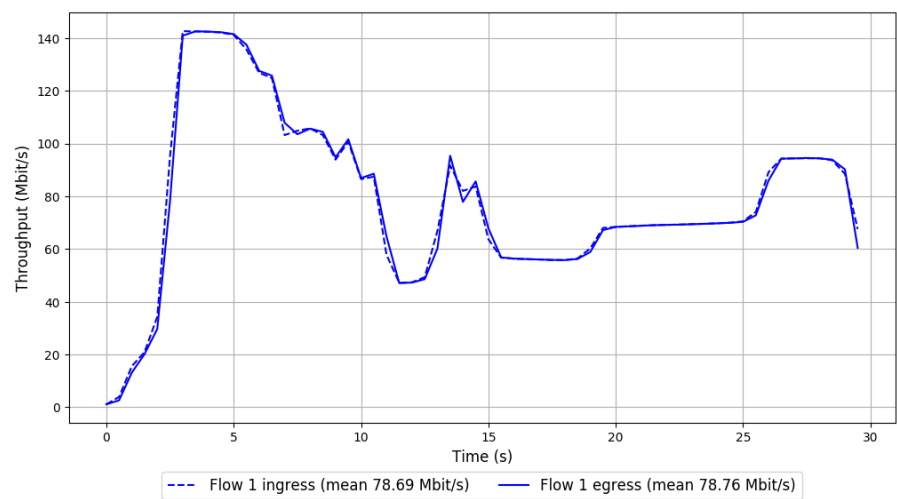
-- Flow 1:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 97.656 ms

Loss rate: 0.50%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 07:01:57

End at: 2018-04-24 07:02:27

Below is generated by plot.py at 2018-04-24 10:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.83 Mbit/s

95th percentile per-packet one-way delay: 91.693 ms

Loss rate: 0.41%

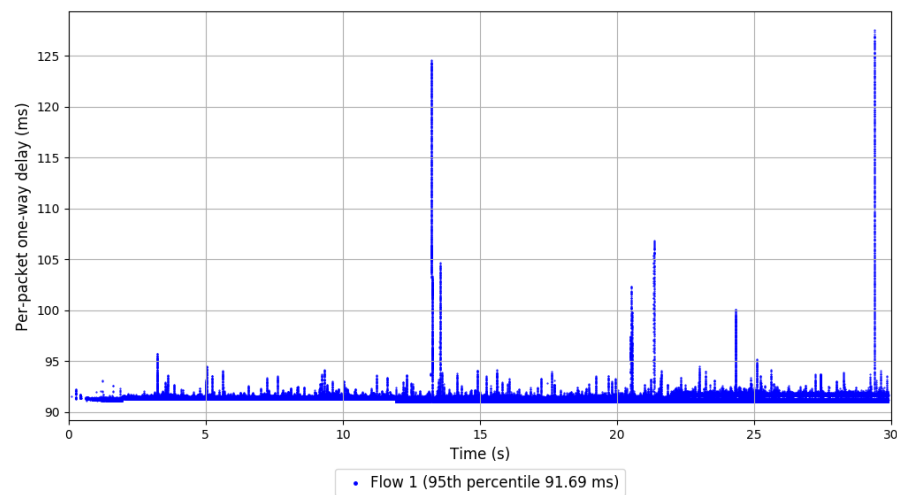
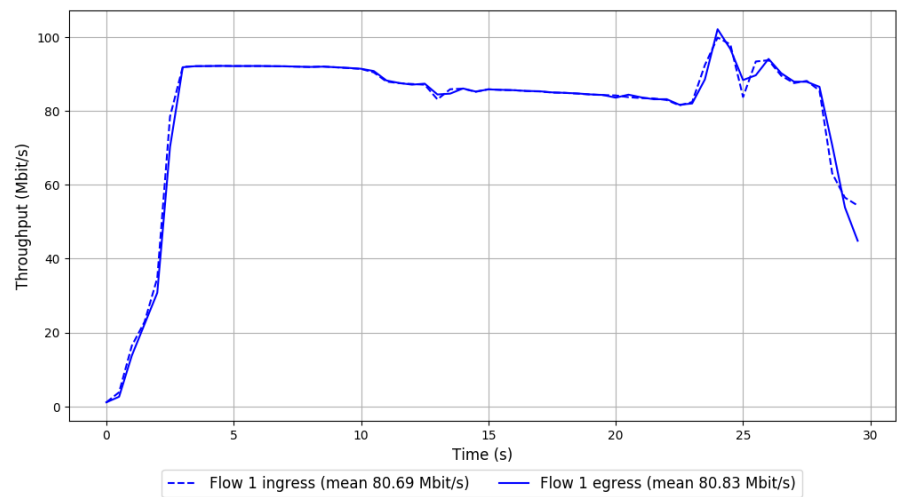
-- Flow 1:

Average throughput: 80.83 Mbit/s

95th percentile per-packet one-way delay: 91.693 ms

Loss rate: 0.41%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 07:15:43

End at: 2018-04-24 07:16:13

Below is generated by plot.py at 2018-04-24 10:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.15 Mbit/s

95th percentile per-packet one-way delay: 92.538 ms

Loss rate: 0.29%

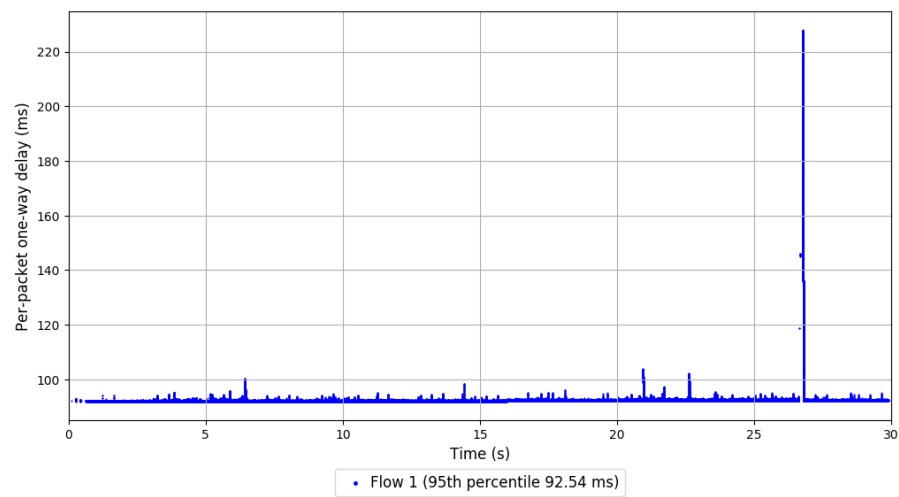
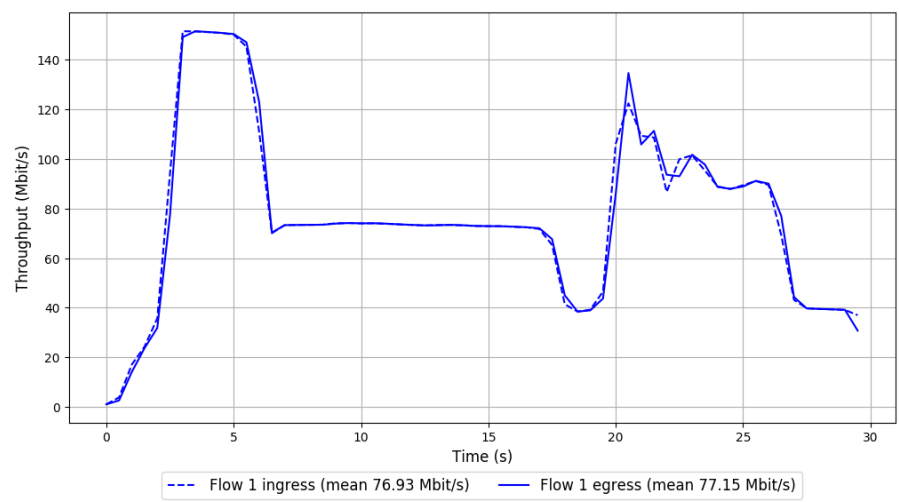
-- Flow 1:

Average throughput: 77.15 Mbit/s

95th percentile per-packet one-way delay: 92.538 ms

Loss rate: 0.29%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-04-24 05:09:45

End at: 2018-04-24 05:10:15

Below is generated by plot.py at 2018-04-24 10:33:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.11 Mbit/s

95th percentile per-packet one-way delay: 180.527 ms

Loss rate: 7.80%

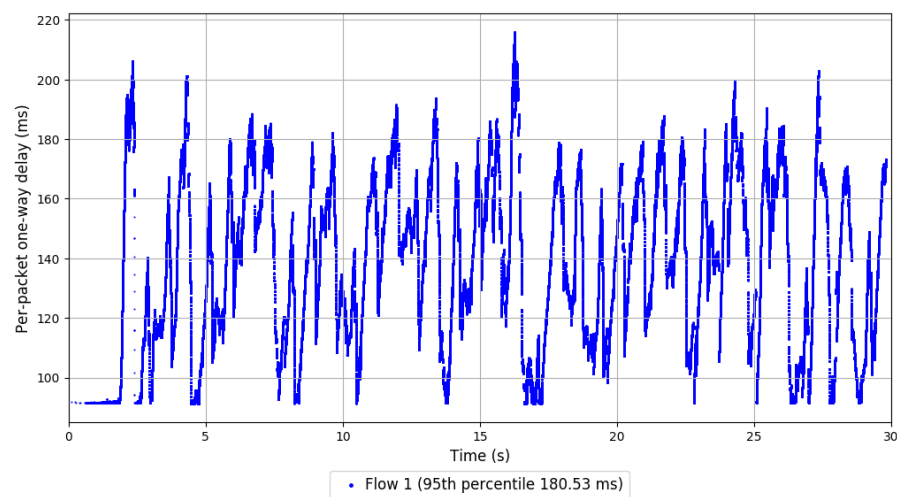
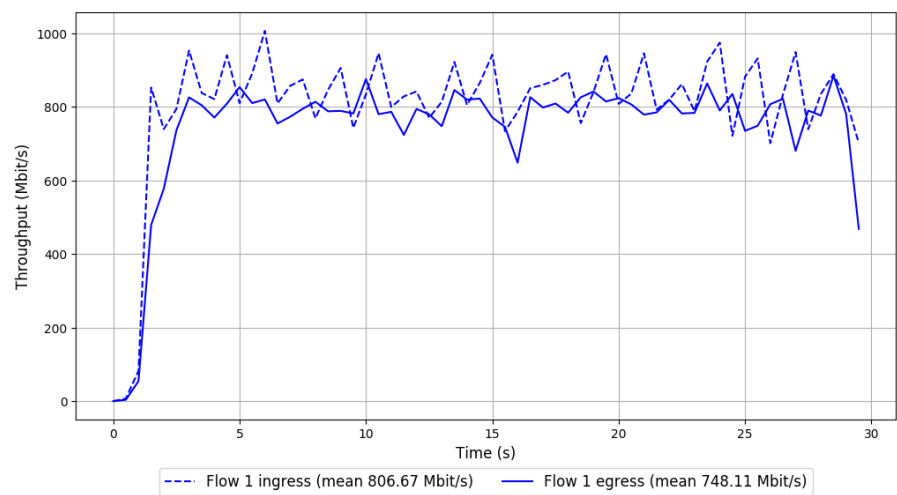
-- Flow 1:

Average throughput: 748.11 Mbit/s

95th percentile per-packet one-way delay: 180.527 ms

Loss rate: 7.80%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-24 05:23:31

End at: 2018-04-24 05:24:01

Below is generated by plot.py at 2018-04-24 10:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 746.36 Mbit/s

95th percentile per-packet one-way delay: 185.459 ms

Loss rate: 8.48%

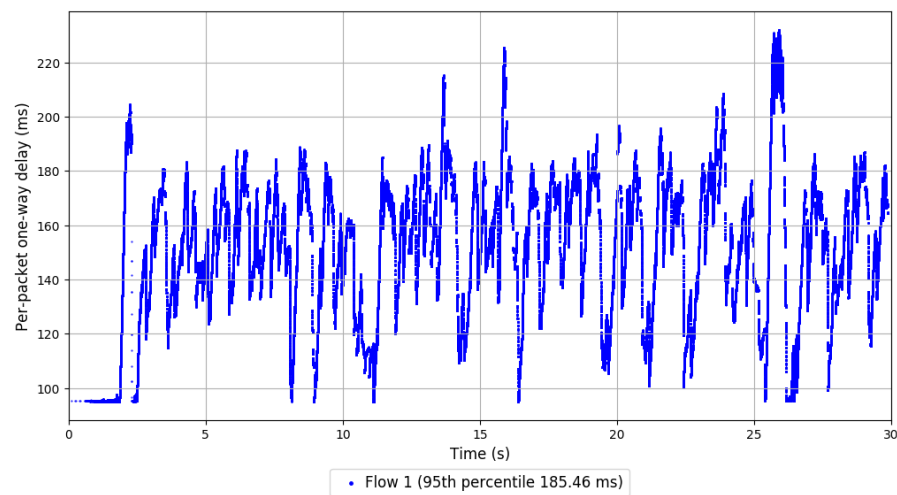
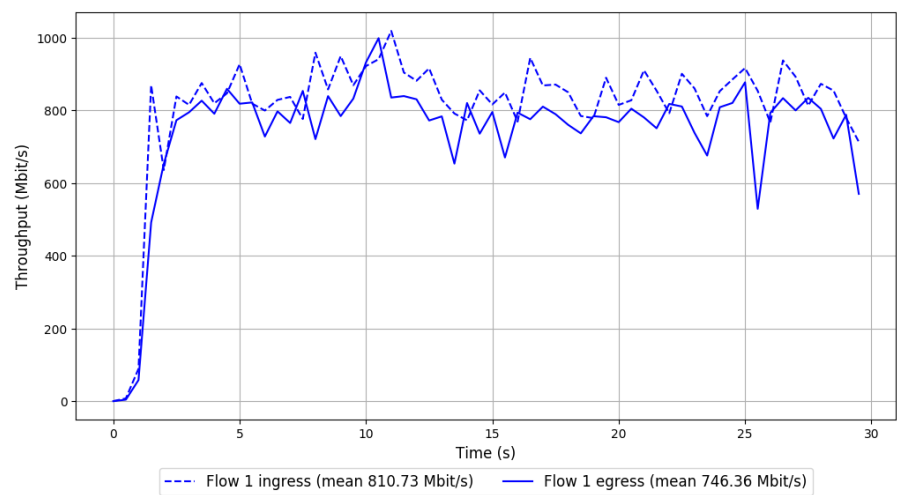
-- Flow 1:

Average throughput: 746.36 Mbit/s

95th percentile per-packet one-way delay: 185.459 ms

Loss rate: 8.48%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-24 05:37:09

End at: 2018-04-24 05:37:39

Below is generated by plot.py at 2018-04-24 10:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 720.48 Mbit/s

95th percentile per-packet one-way delay: 194.626 ms

Loss rate: 6.10%

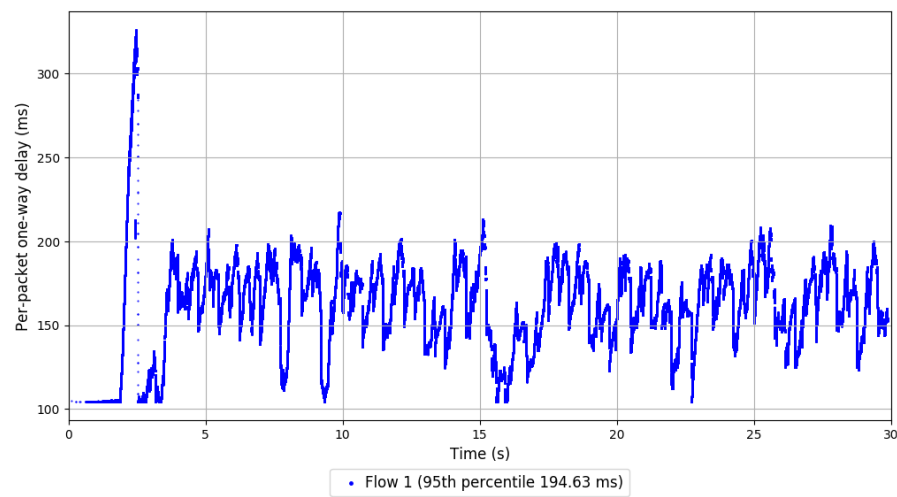
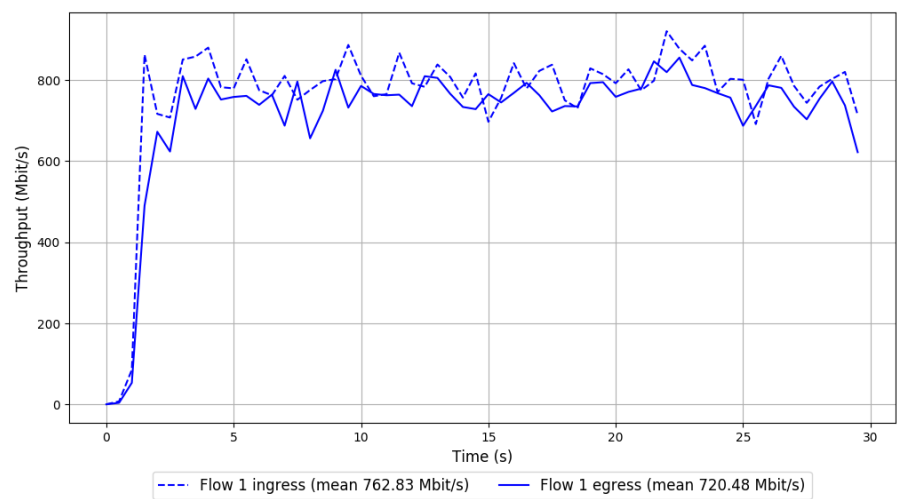
-- Flow 1:

Average throughput: 720.48 Mbit/s

95th percentile per-packet one-way delay: 194.626 ms

Loss rate: 6.10%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-24 05:50:51

End at: 2018-04-24 05:51:21

Below is generated by plot.py at 2018-04-24 10:34:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 771.64 Mbit/s

95th percentile per-packet one-way delay: 187.741 ms

Loss rate: 7.66%

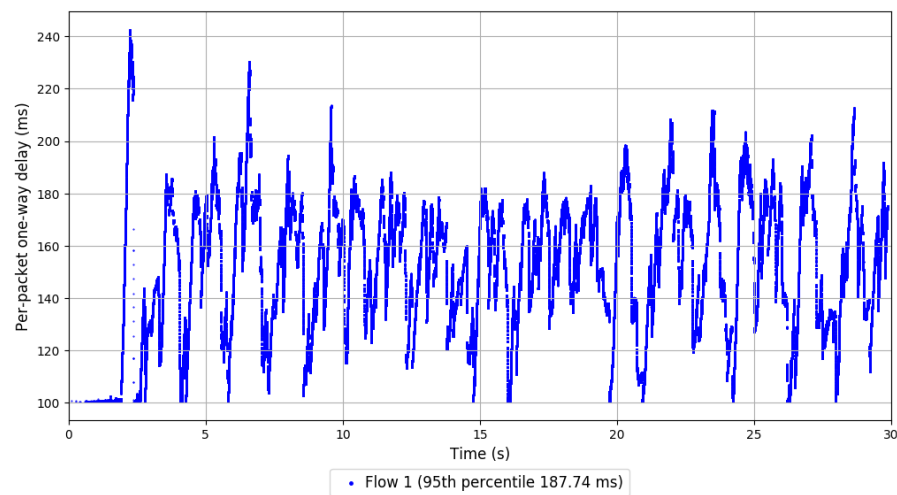
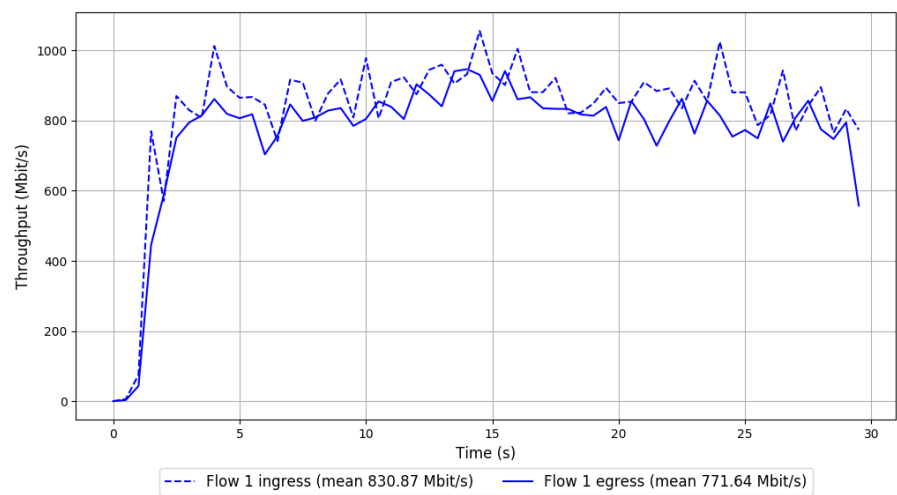
-- Flow 1:

Average throughput: 771.64 Mbit/s

95th percentile per-packet one-way delay: 187.741 ms

Loss rate: 7.66%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-24 06:04:41

End at: 2018-04-24 06:05:11

Below is generated by plot.py at 2018-04-24 10:34:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 753.04 Mbit/s

95th percentile per-packet one-way delay: 196.545 ms

Loss rate: 7.40%

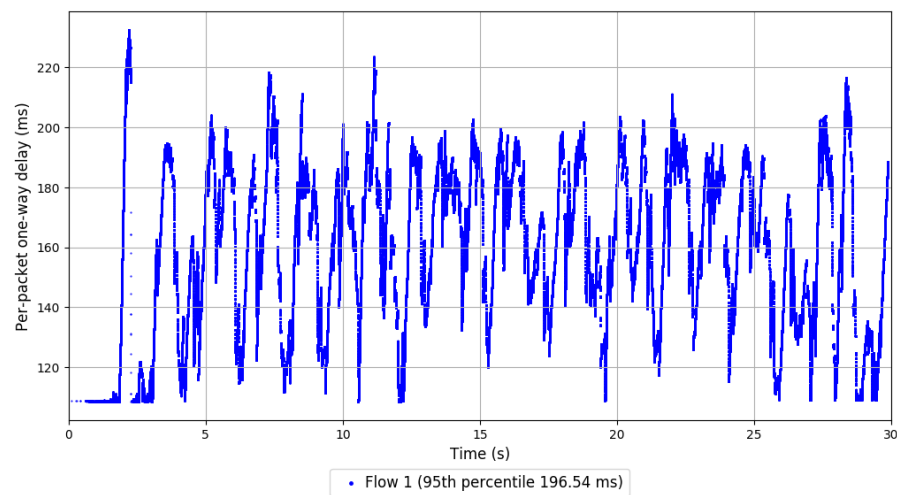
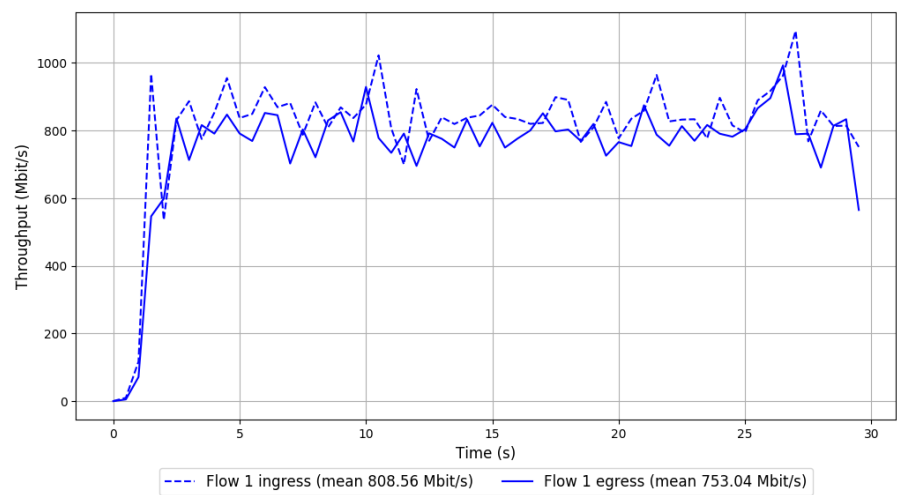
-- Flow 1:

Average throughput: 753.04 Mbit/s

95th percentile per-packet one-way delay: 196.545 ms

Loss rate: 7.40%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 06:18:30

End at: 2018-04-24 06:19:00

Below is generated by plot.py at 2018-04-24 10:34:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 756.27 Mbit/s

95th percentile per-packet one-way delay: 186.641 ms

Loss rate: 7.24%

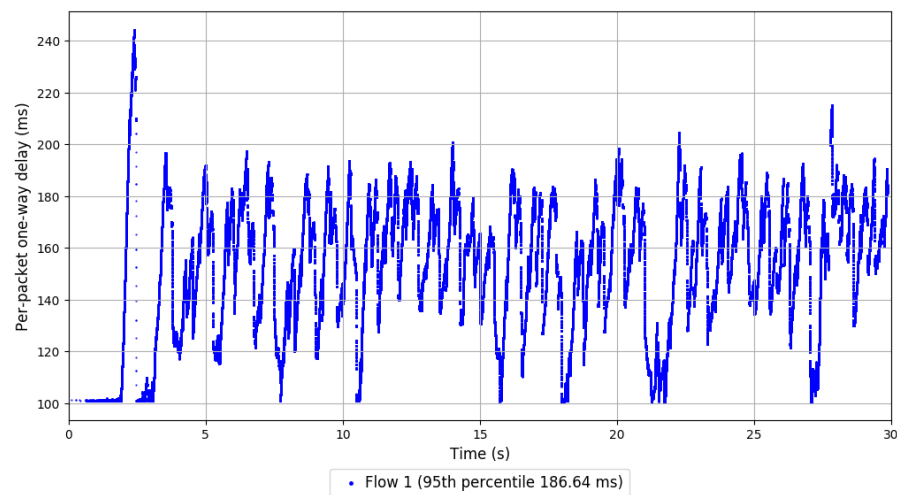
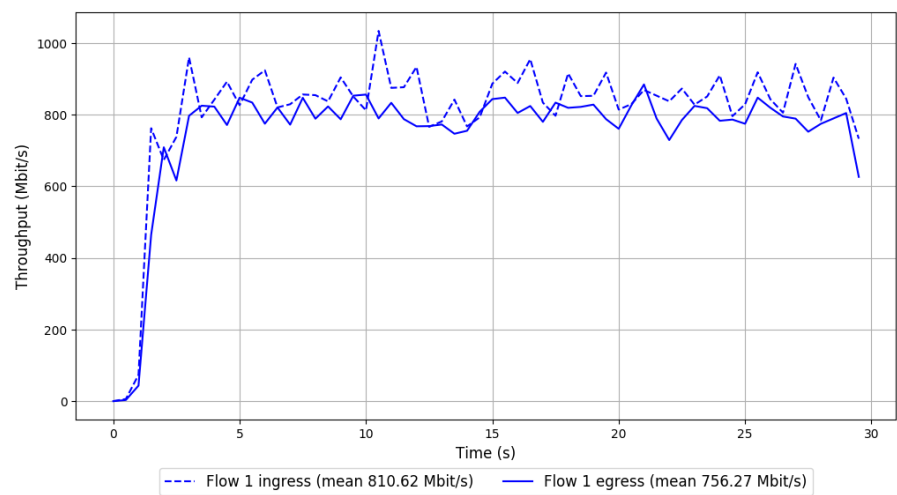
-- Flow 1:

Average throughput: 756.27 Mbit/s

95th percentile per-packet one-way delay: 186.641 ms

Loss rate: 7.24%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-24 06:32:25

End at: 2018-04-24 06:32:55

Below is generated by plot.py at 2018-04-24 10:36:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 780.59 Mbit/s

95th percentile per-packet one-way delay: 182.955 ms

Loss rate: 6.72%

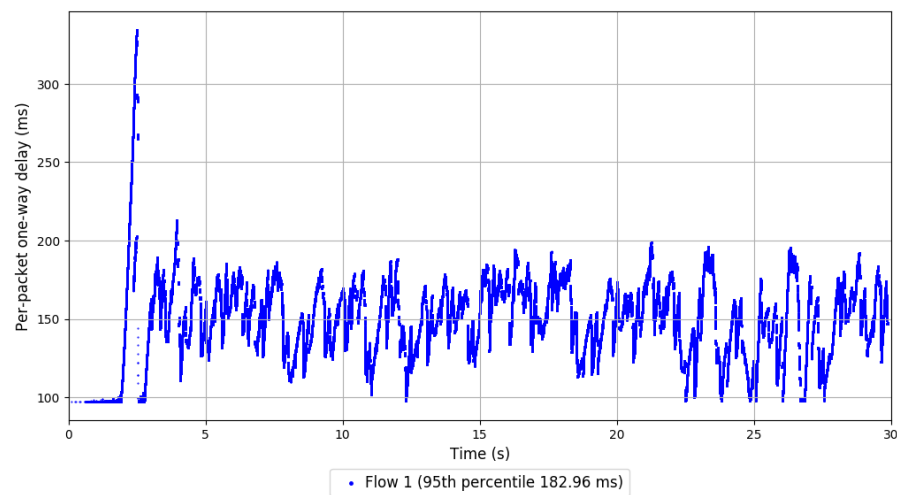
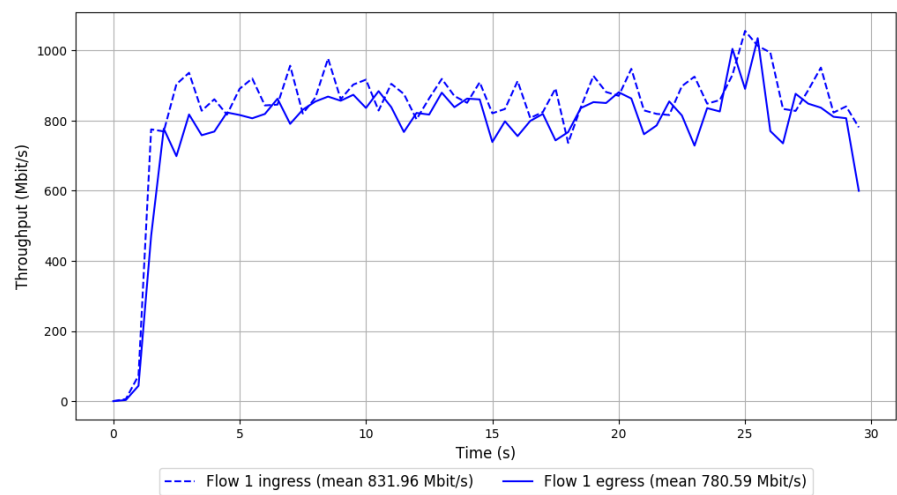
-- Flow 1:

Average throughput: 780.59 Mbit/s

95th percentile per-packet one-way delay: 182.955 ms

Loss rate: 6.72%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 06:46:12

End at: 2018-04-24 06:46:42

Below is generated by plot.py at 2018-04-24 10:36:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.32 Mbit/s

95th percentile per-packet one-way delay: 186.003 ms

Loss rate: 6.16%

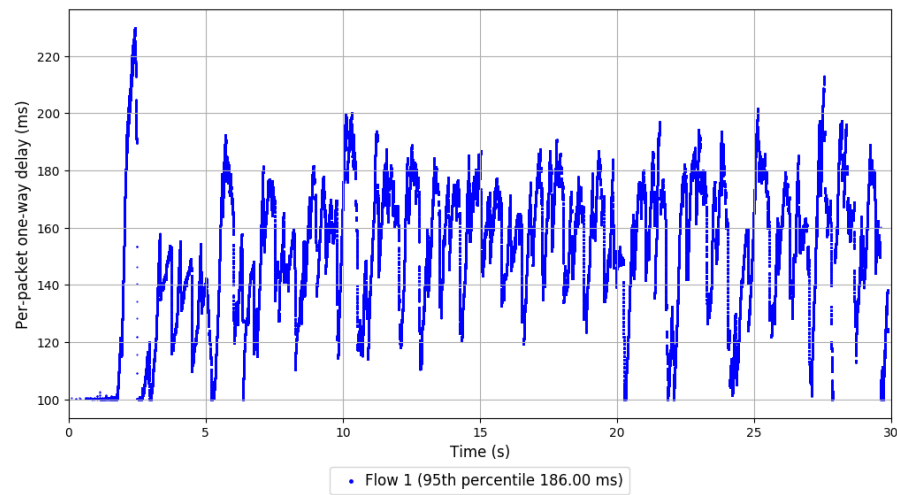
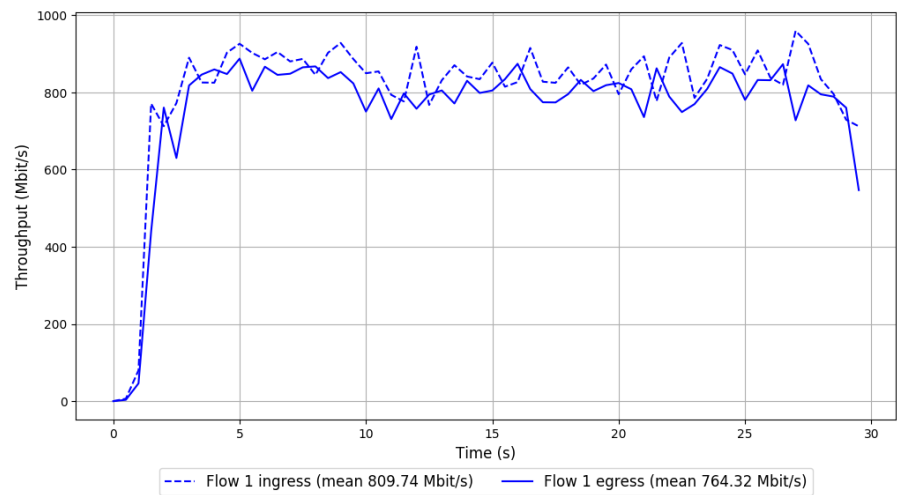
-- Flow 1:

Average throughput: 764.32 Mbit/s

95th percentile per-packet one-way delay: 186.003 ms

Loss rate: 6.16%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 06:59:56

End at: 2018-04-24 07:00:26

Below is generated by plot.py at 2018-04-24 10:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 736.06 Mbit/s

95th percentile per-packet one-way delay: 181.504 ms

Loss rate: 8.18%

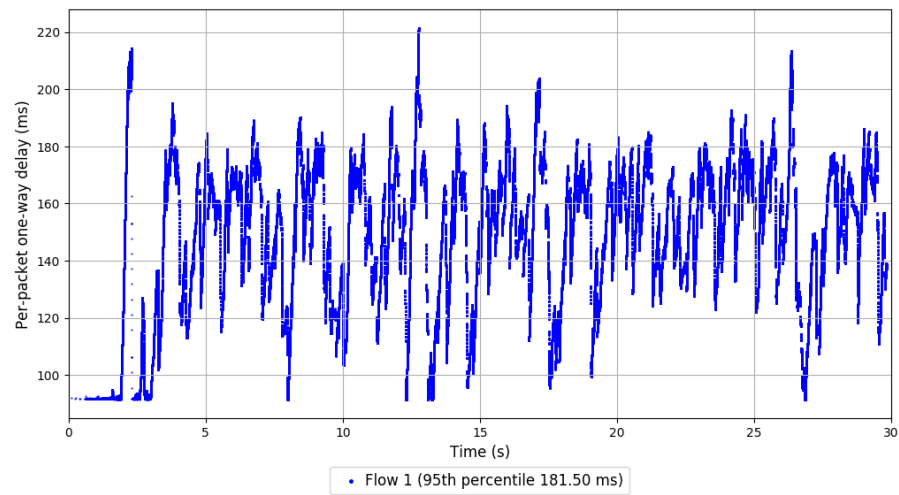
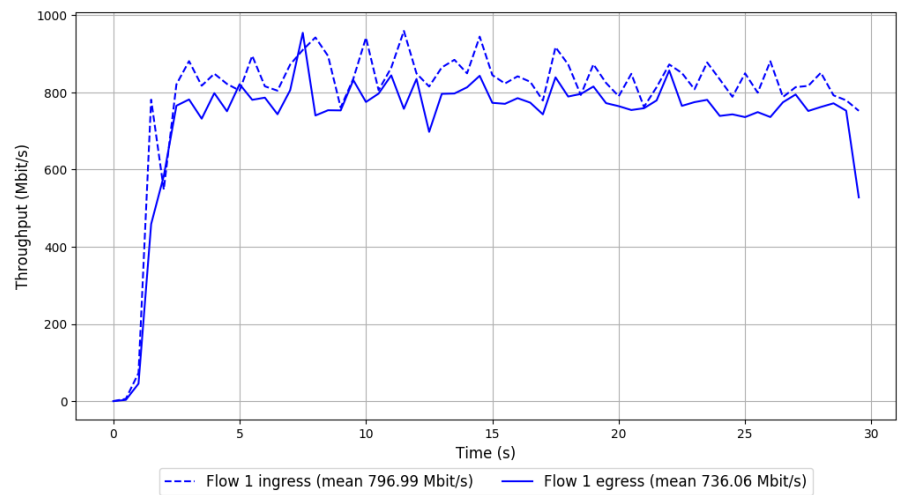
-- Flow 1:

Average throughput: 736.06 Mbit/s

95th percentile per-packet one-way delay: 181.504 ms

Loss rate: 8.18%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 07:13:41

End at: 2018-04-24 07:14:11

Below is generated by plot.py at 2018-04-24 10:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 754.46 Mbit/s

95th percentile per-packet one-way delay: 182.311 ms

Loss rate: 7.88%

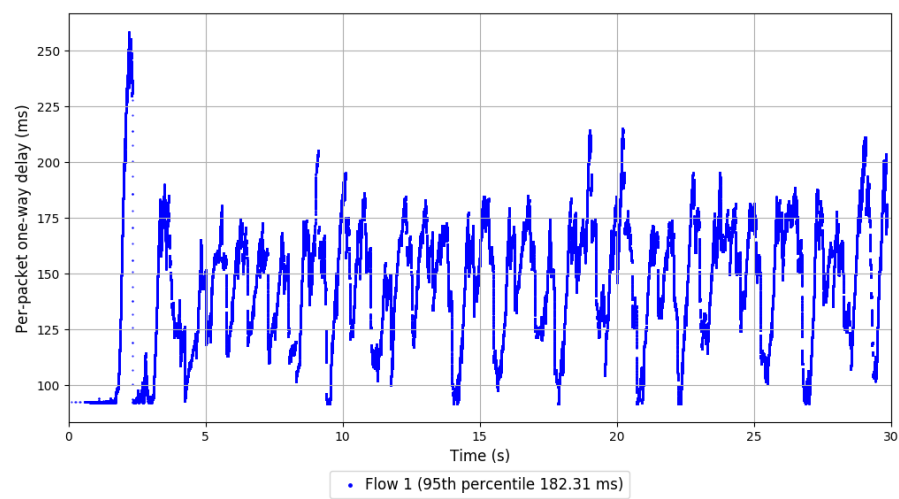
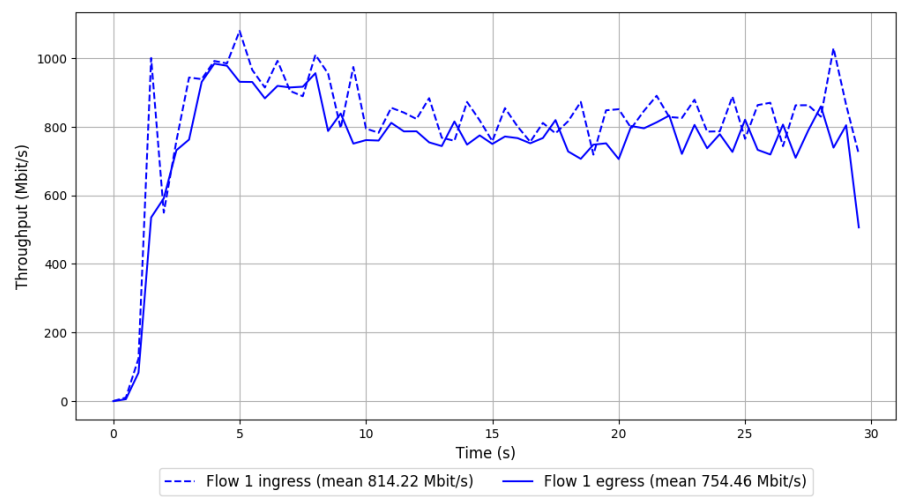
-- Flow 1:

Average throughput: 754.46 Mbit/s

95th percentile per-packet one-way delay: 182.311 ms

Loss rate: 7.88%

Run 10: Report of FillP — Data Link

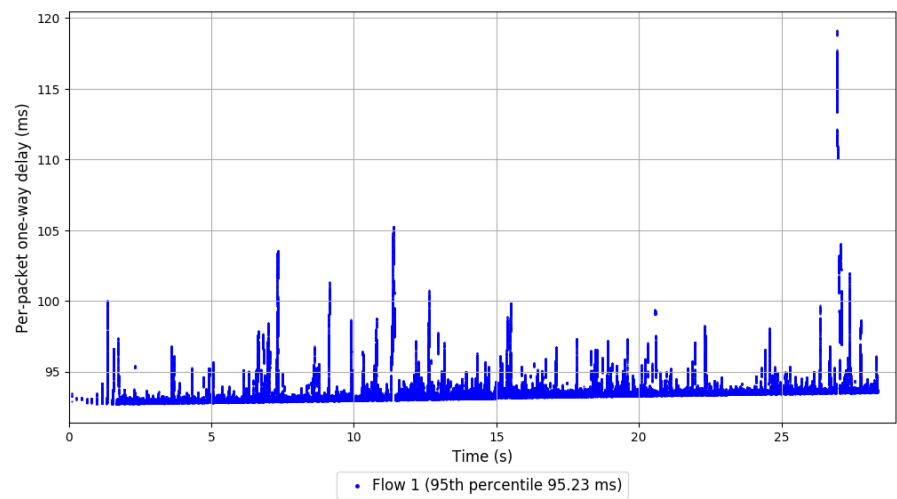
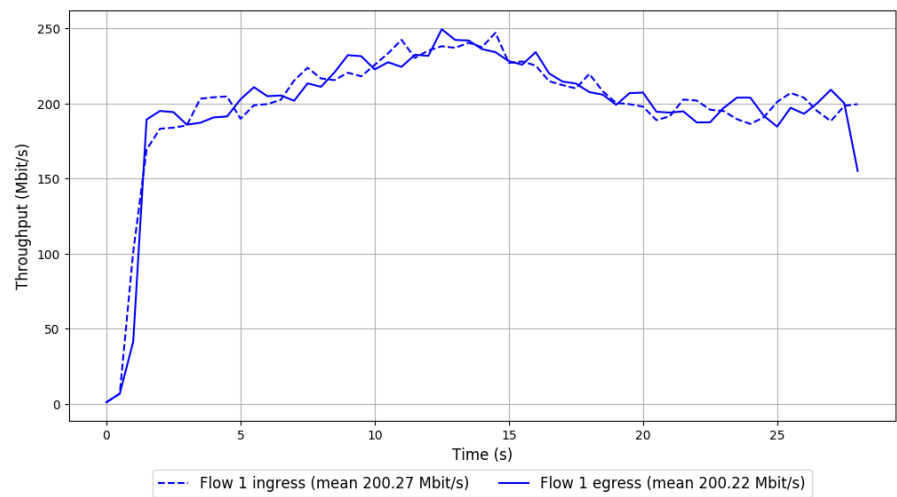


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 05:10:53
End at: 2018-04-24 05:11:23

# Below is generated by plot.py at 2018-04-24 10:47:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.22 Mbit/s
95th percentile per-packet one-way delay: 95.229 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 200.22 Mbit/s
95th percentile per-packet one-way delay: 95.229 ms
Loss rate: 0.63%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 05:24:39

End at: 2018-04-24 05:25:09

Below is generated by plot.py at 2018-04-24 10:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.15 Mbit/s

95th percentile per-packet one-way delay: 95.790 ms

Loss rate: 0.61%

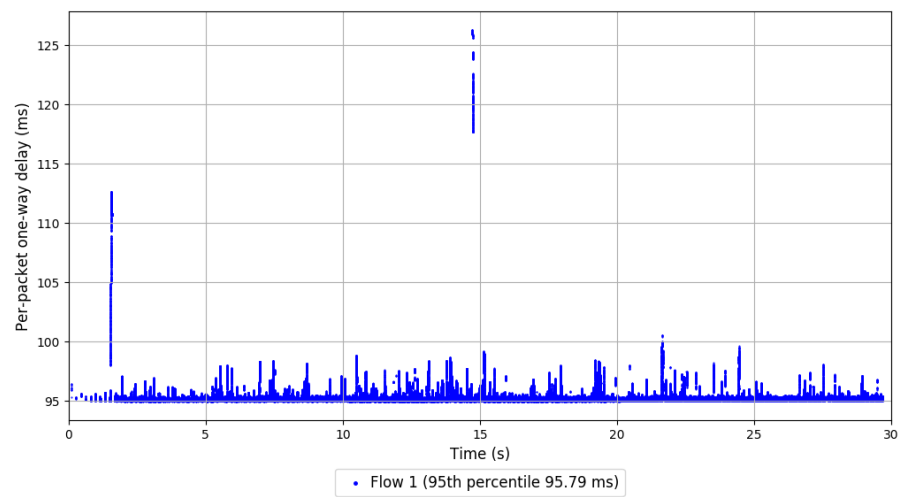
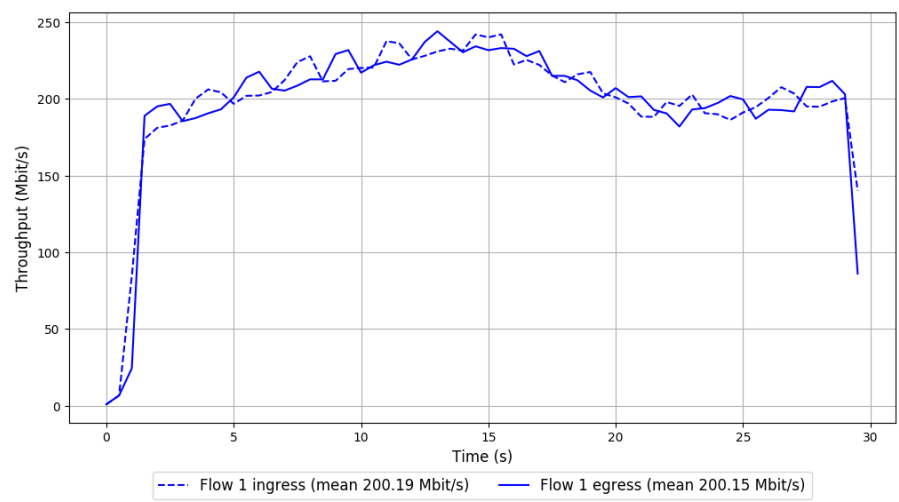
-- Flow 1:

Average throughput: 200.15 Mbit/s

95th percentile per-packet one-way delay: 95.790 ms

Loss rate: 0.61%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 05:38:16

End at: 2018-04-24 05:38:46

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.14 Mbit/s

95th percentile per-packet one-way delay: 105.142 ms

Loss rate: 0.67%

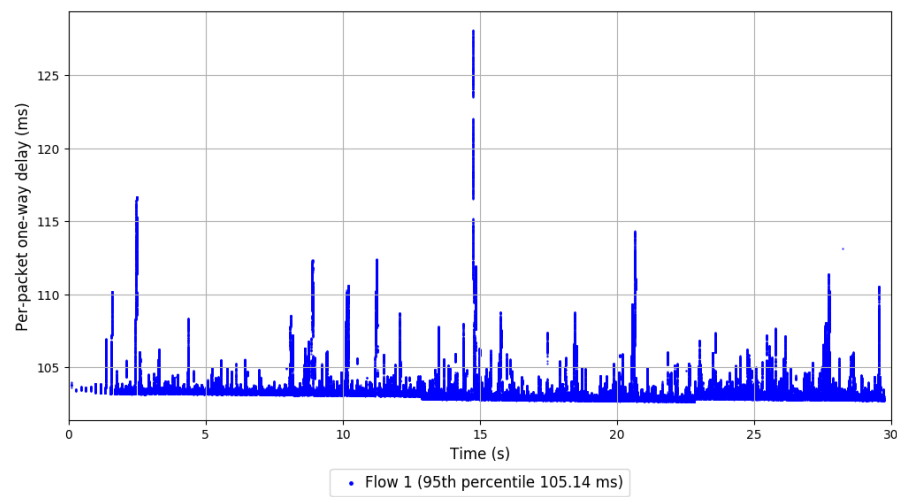
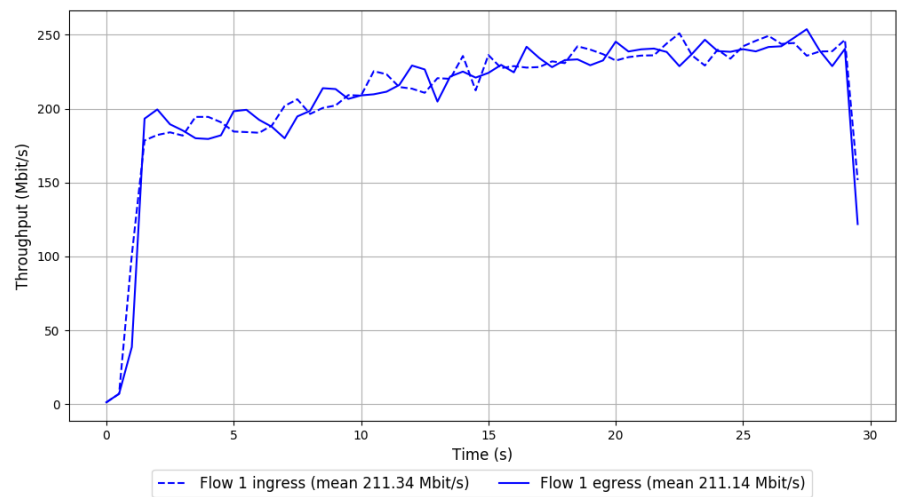
-- Flow 1:

Average throughput: 211.14 Mbit/s

95th percentile per-packet one-way delay: 105.142 ms

Loss rate: 0.67%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 05:52:00

End at: 2018-04-24 05:52:30

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.79 Mbit/s

95th percentile per-packet one-way delay: 102.859 ms

Loss rate: 0.64%

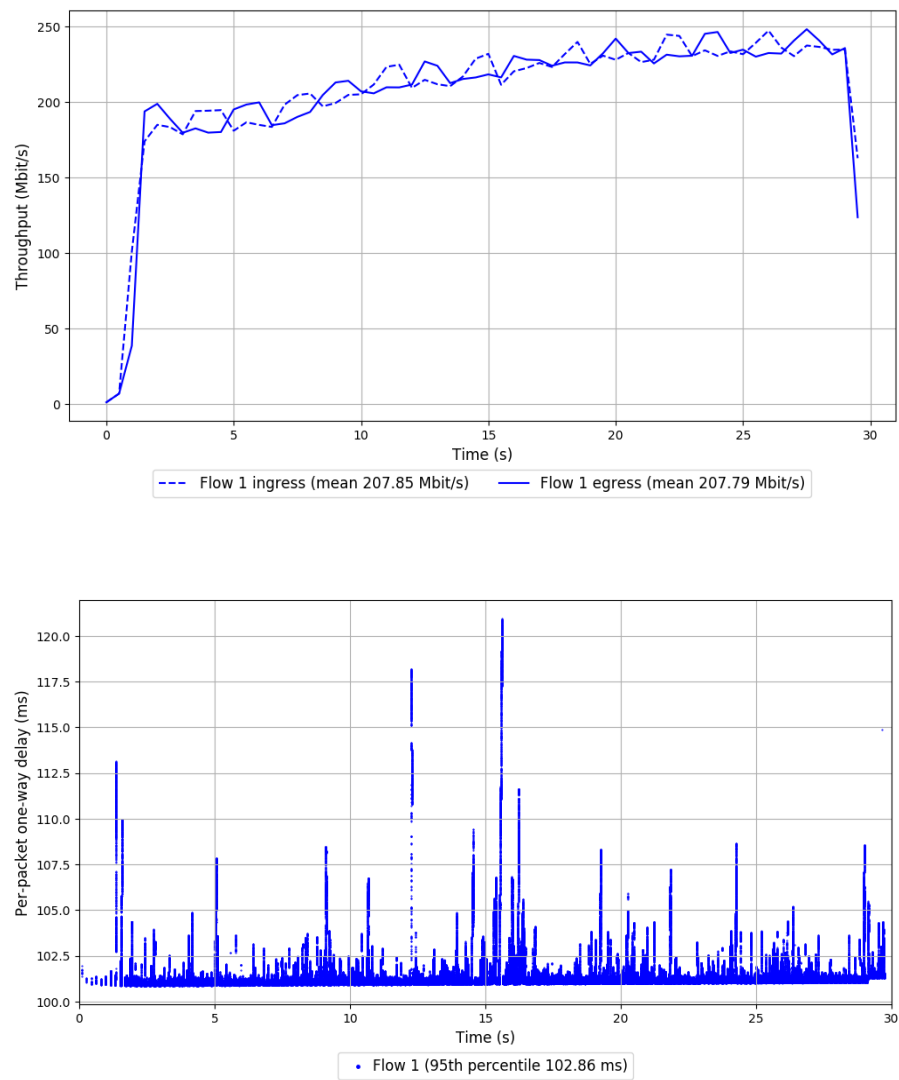
-- Flow 1:

Average throughput: 207.79 Mbit/s

95th percentile per-packet one-way delay: 102.859 ms

Loss rate: 0.64%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 06:05:49

End at: 2018-04-24 06:06:19

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.12 Mbit/s

95th percentile per-packet one-way delay: 110.548 ms

Loss rate: 0.62%

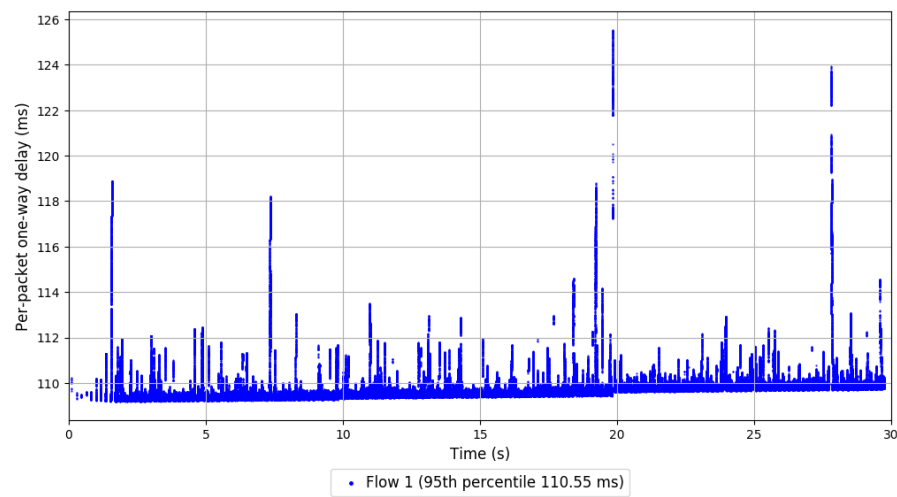
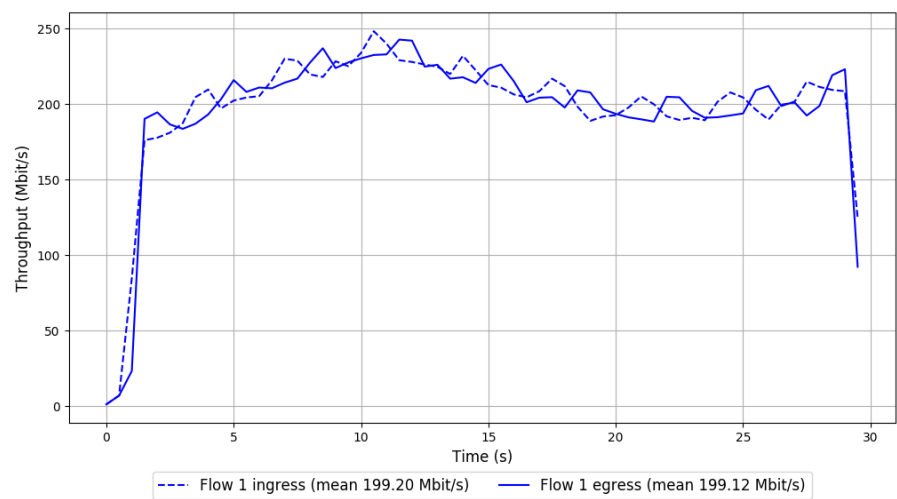
-- Flow 1:

Average throughput: 199.12 Mbit/s

95th percentile per-packet one-way delay: 110.548 ms

Loss rate: 0.62%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 06:19:39

End at: 2018-04-24 06:20:09

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.54 Mbit/s

95th percentile per-packet one-way delay: 101.236 ms

Loss rate: 0.66%

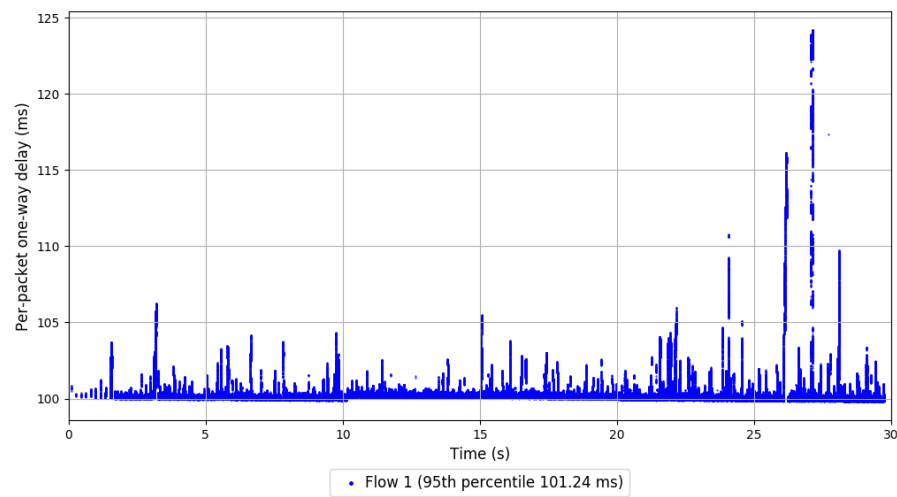
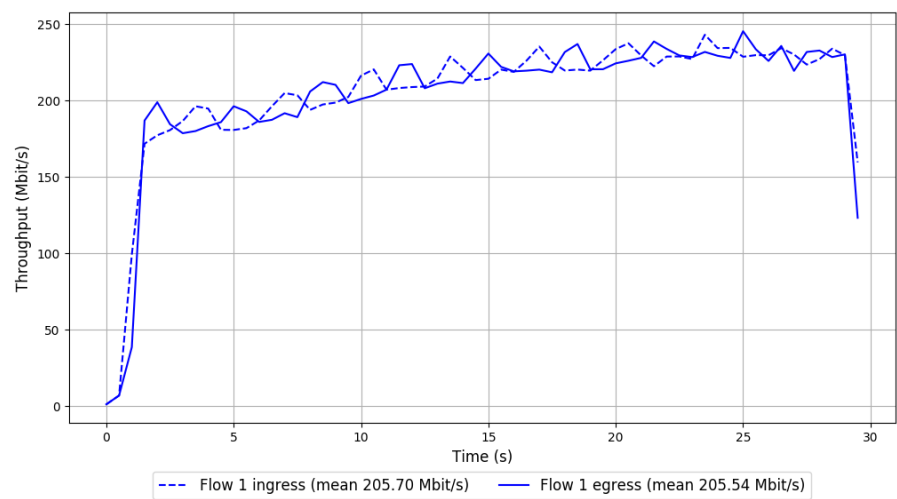
-- Flow 1:

Average throughput: 205.54 Mbit/s

95th percentile per-packet one-way delay: 101.236 ms

Loss rate: 0.66%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 06:33:35

End at: 2018-04-24 06:34:05

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.48 Mbit/s

95th percentile per-packet one-way delay: 98.365 ms

Loss rate: 0.65%

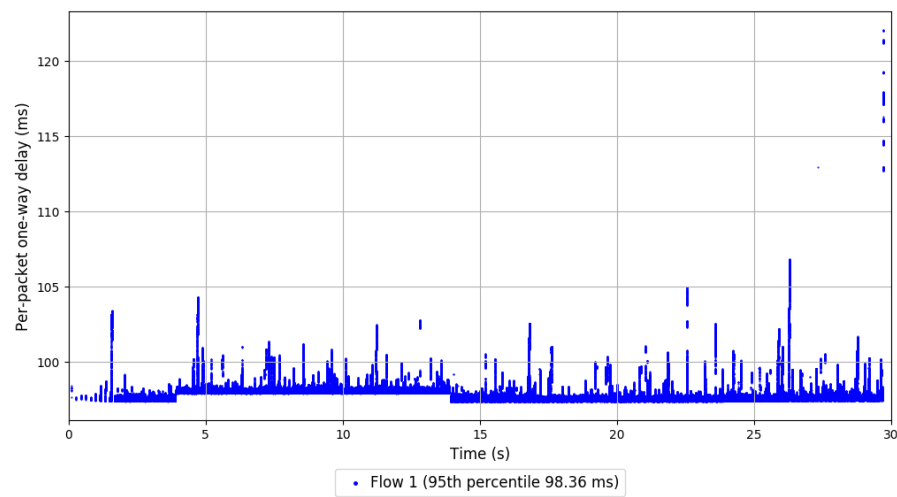
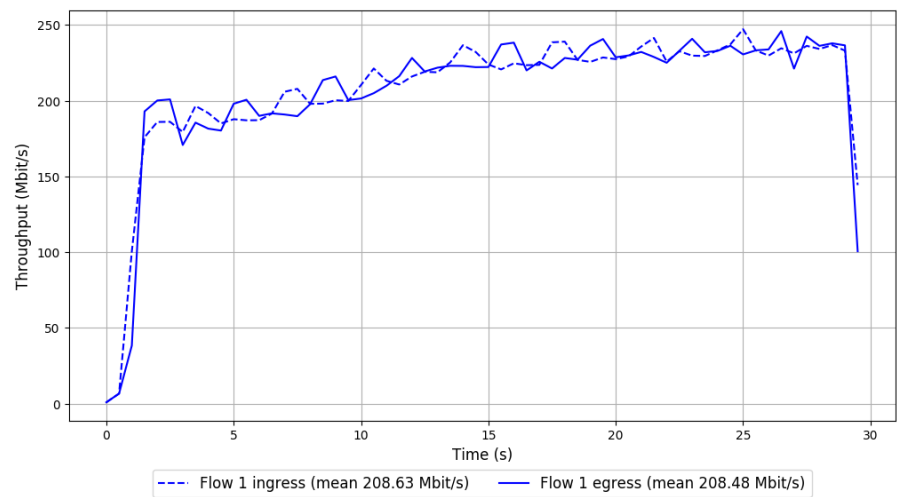
-- Flow 1:

Average throughput: 208.48 Mbit/s

95th percentile per-packet one-way delay: 98.365 ms

Loss rate: 0.65%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 06:47:21

End at: 2018-04-24 06:47:51

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.20 Mbit/s

95th percentile per-packet one-way delay: 100.482 ms

Loss rate: 0.66%

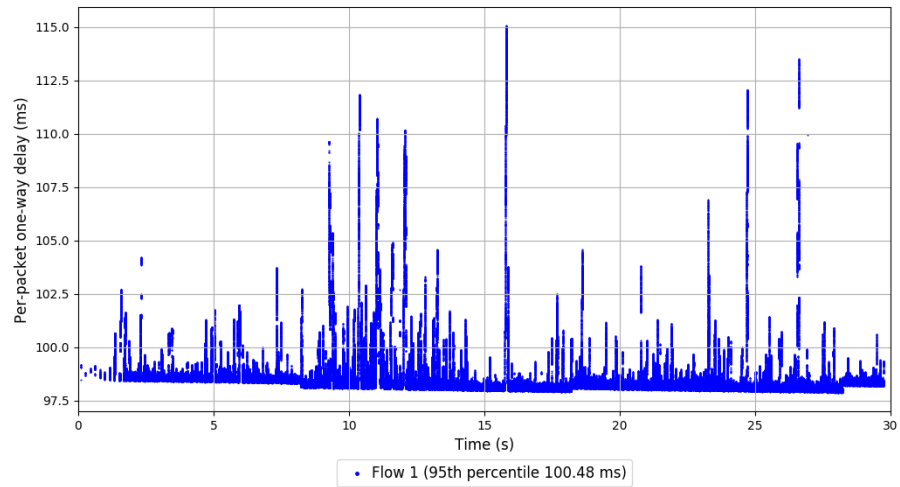
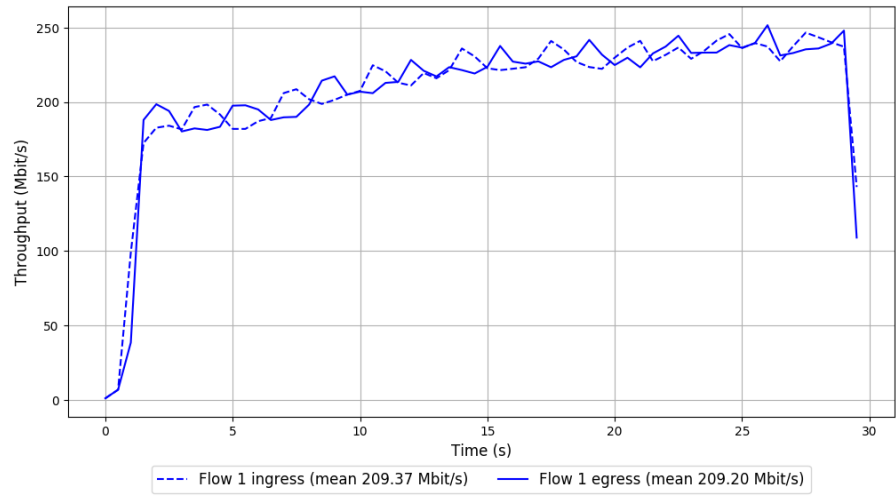
-- Flow 1:

Average throughput: 209.20 Mbit/s

95th percentile per-packet one-way delay: 100.482 ms

Loss rate: 0.66%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 07:01:04

End at: 2018-04-24 07:01:34

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.16 Mbit/s

95th percentile per-packet one-way delay: 92.693 ms

Loss rate: 0.64%

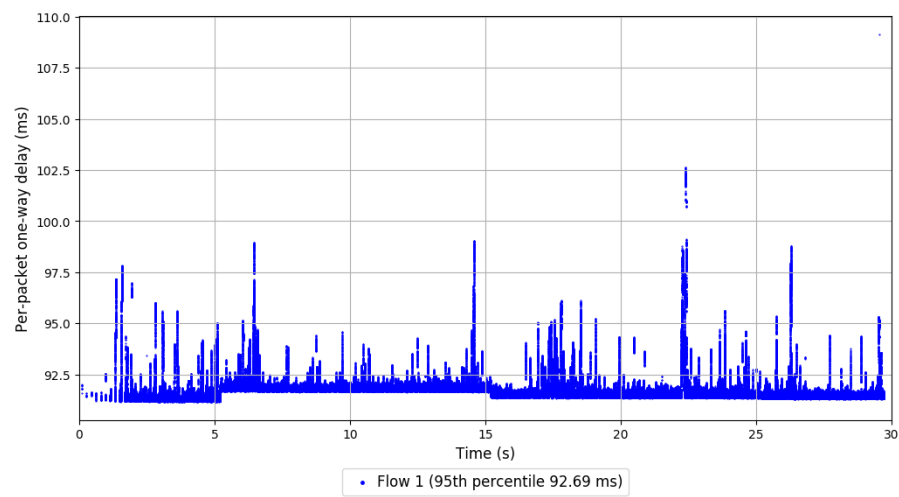
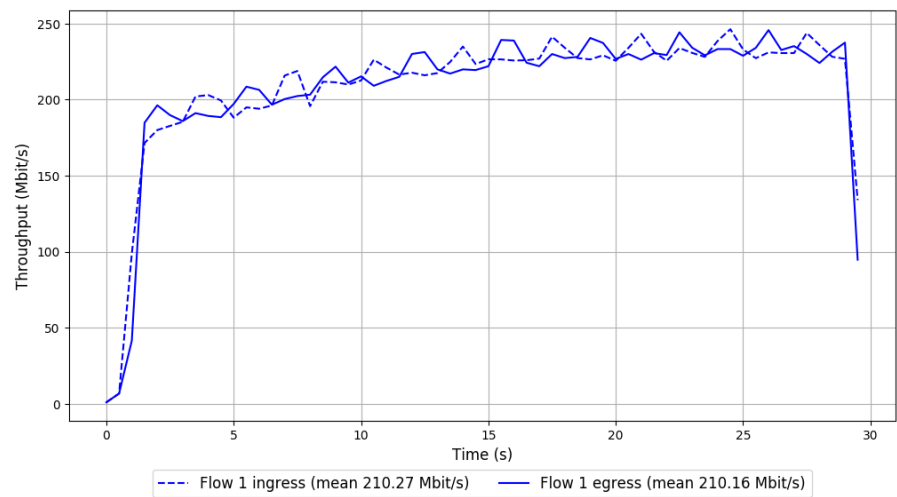
-- Flow 1:

Average throughput: 210.16 Mbit/s

95th percentile per-packet one-way delay: 92.693 ms

Loss rate: 0.64%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 07:14:50

End at: 2018-04-24 07:15:20

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.86 Mbit/s

95th percentile per-packet one-way delay: 93.199 ms

Loss rate: 0.66%

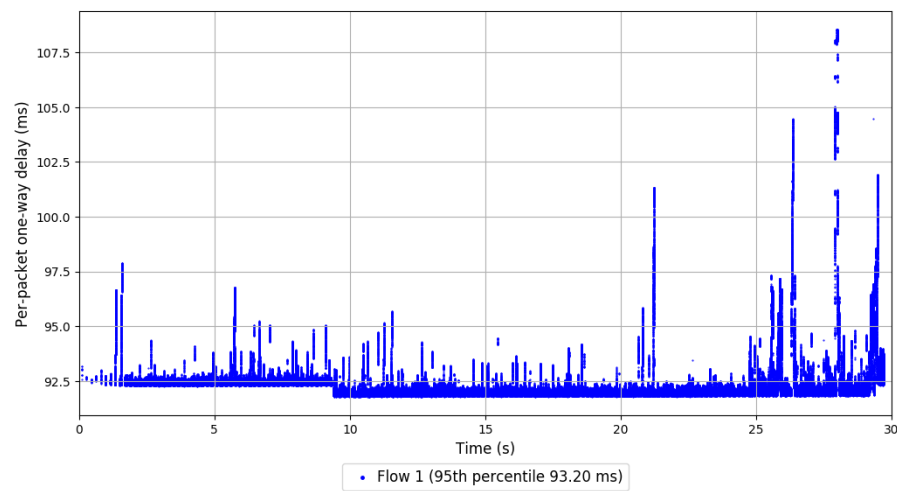
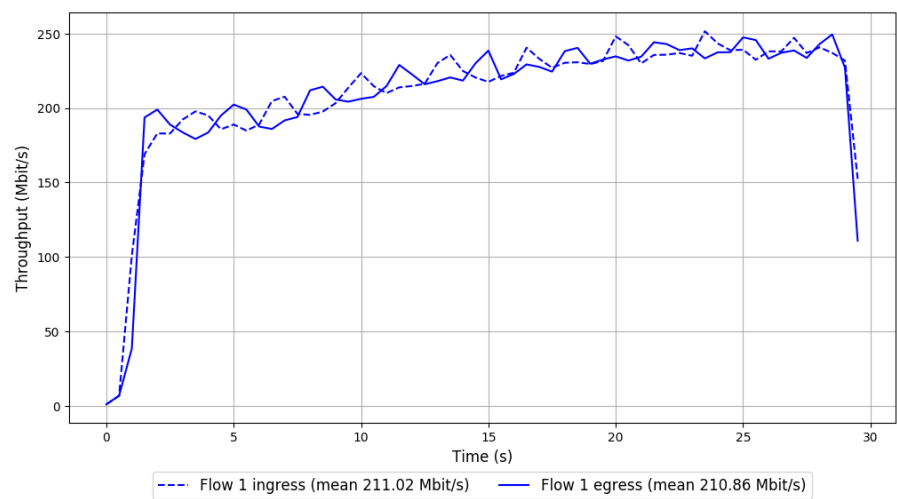
-- Flow 1:

Average throughput: 210.86 Mbit/s

95th percentile per-packet one-way delay: 93.199 ms

Loss rate: 0.66%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 05:12:31

End at: 2018-04-24 05:13:01

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.93 Mbit/s

95th percentile per-packet one-way delay: 127.652 ms

Loss rate: 0.64%

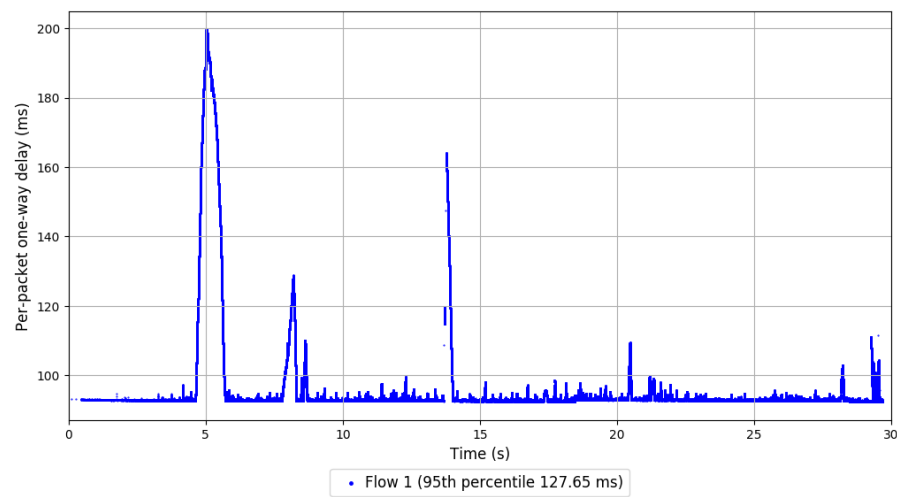
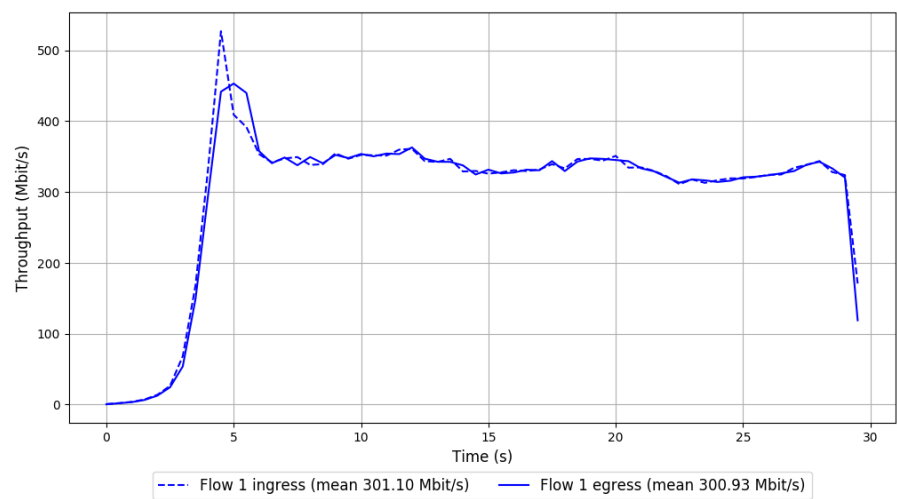
-- Flow 1:

Average throughput: 300.93 Mbit/s

95th percentile per-packet one-way delay: 127.652 ms

Loss rate: 0.64%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 05:26:19

End at: 2018-04-24 05:26:49

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.06 Mbit/s

95th percentile per-packet one-way delay: 196.600 ms

Loss rate: 0.60%

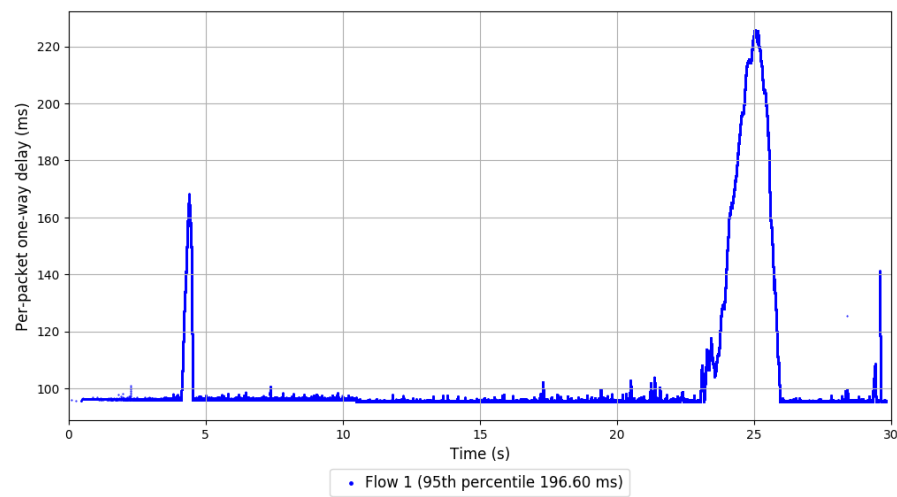
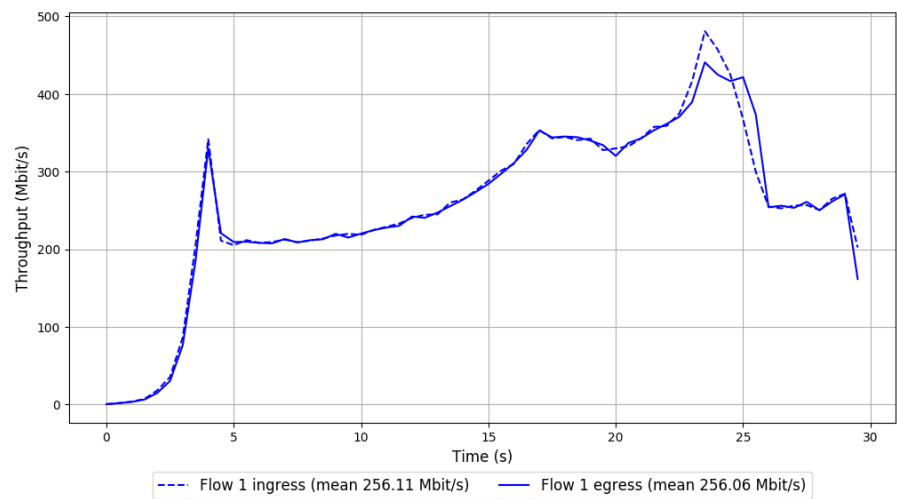
-- Flow 1:

Average throughput: 256.06 Mbit/s

95th percentile per-packet one-way delay: 196.600 ms

Loss rate: 0.60%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 05:39:57

End at: 2018-04-24 05:40:27

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.91 Mbit/s

95th percentile per-packet one-way delay: 105.652 ms

Loss rate: 0.64%

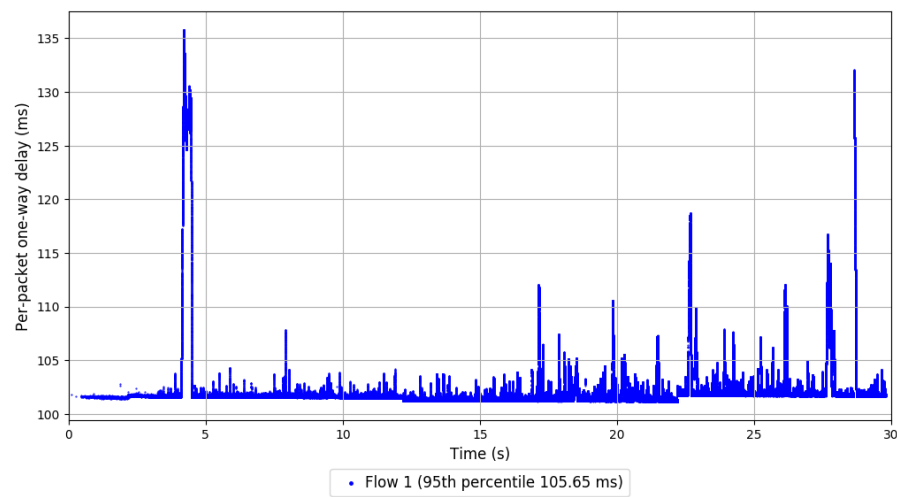
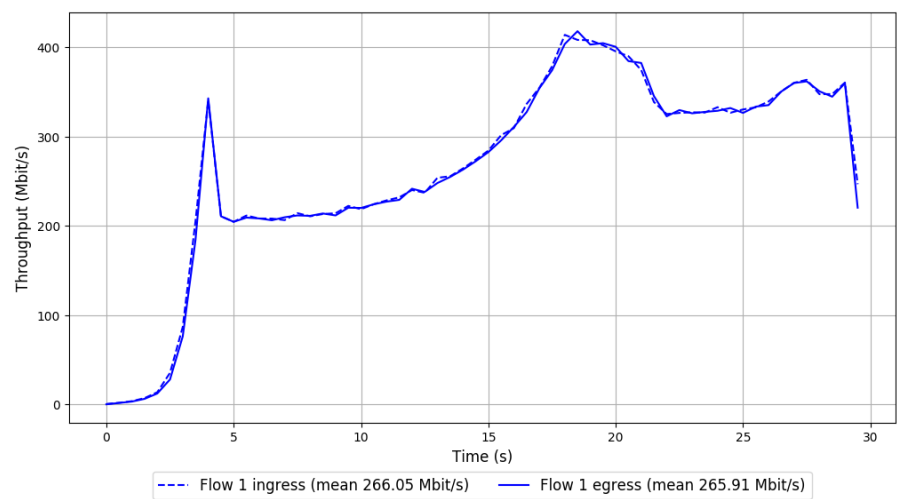
-- Flow 1:

Average throughput: 265.91 Mbit/s

95th percentile per-packet one-way delay: 105.652 ms

Loss rate: 0.64%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 05:53:41

End at: 2018-04-24 05:54:11

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.51 Mbit/s

95th percentile per-packet one-way delay: 161.705 ms

Loss rate: 1.29%

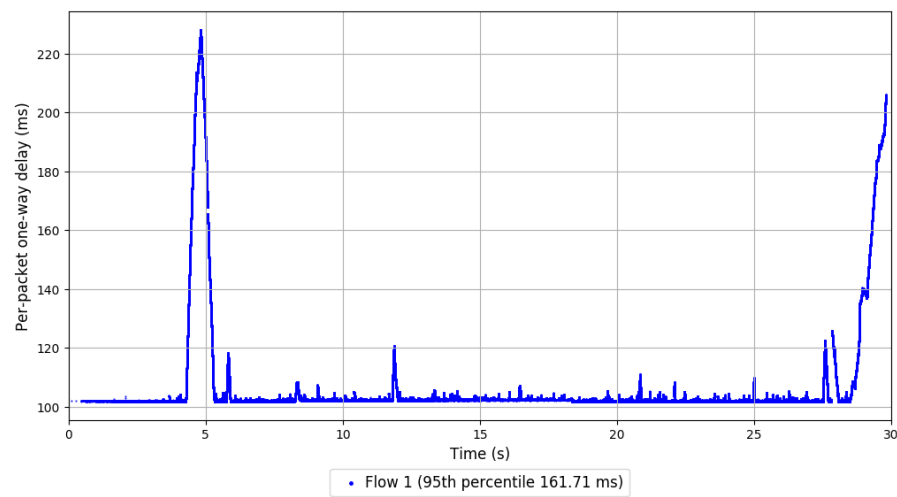
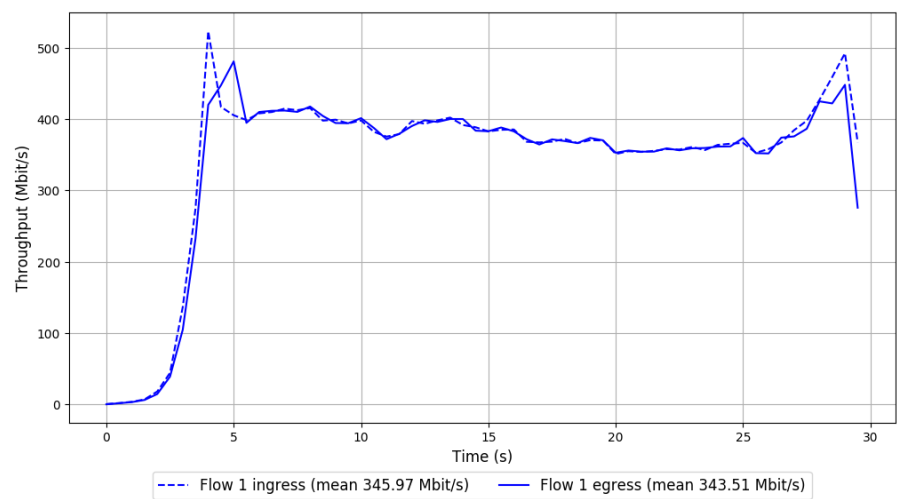
-- Flow 1:

Average throughput: 343.51 Mbit/s

95th percentile per-packet one-way delay: 161.705 ms

Loss rate: 1.29%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 06:07:28

End at: 2018-04-24 06:07:58

Below is generated by plot.py at 2018-04-24 10:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.91 Mbit/s

95th percentile per-packet one-way delay: 128.609 ms

Loss rate: 0.58%

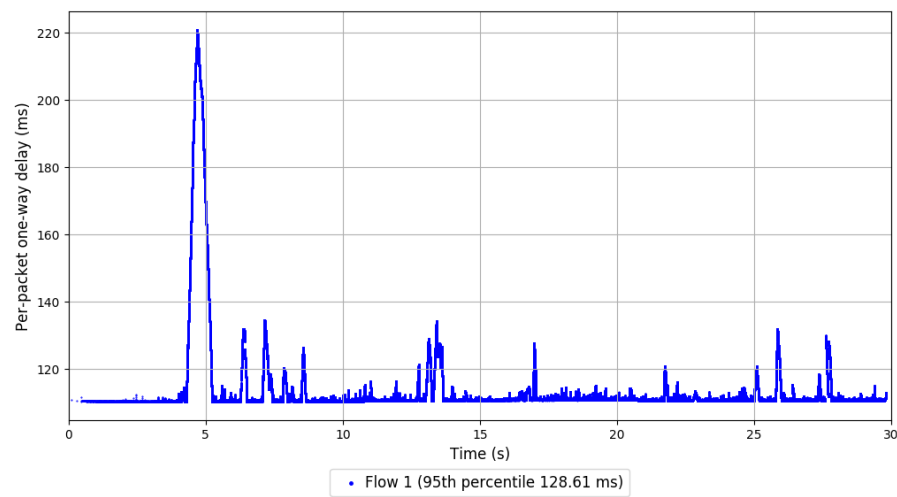
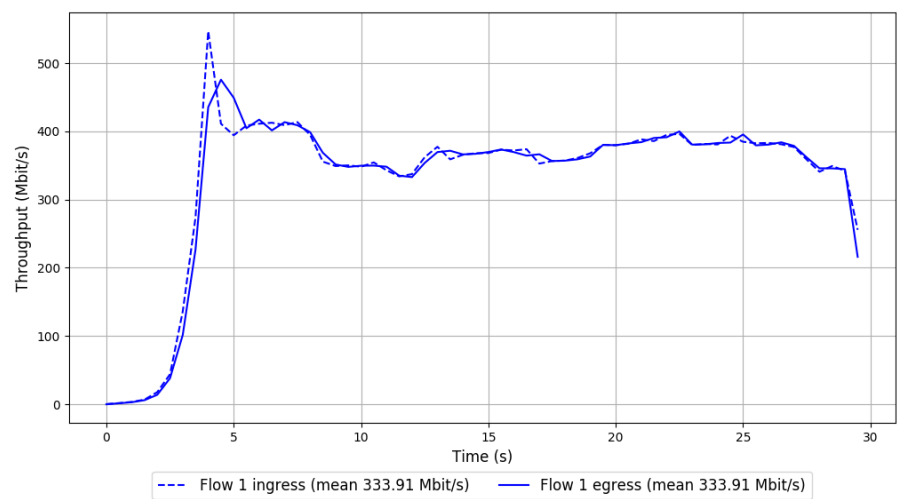
-- Flow 1:

Average throughput: 333.91 Mbit/s

95th percentile per-packet one-way delay: 128.609 ms

Loss rate: 0.58%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 06:21:20

End at: 2018-04-24 06:21:50

Below is generated by plot.py at 2018-04-24 10:48:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.83 Mbit/s

95th percentile per-packet one-way delay: 124.664 ms

Loss rate: 0.95%

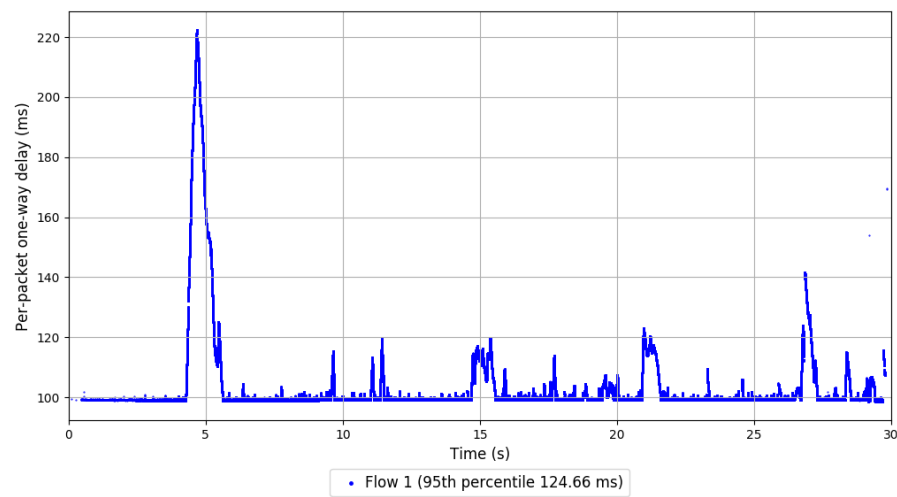
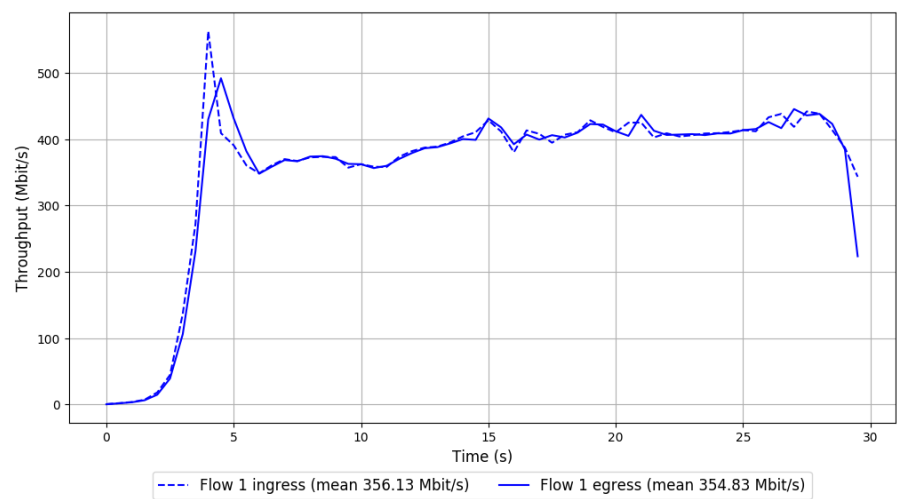
-- Flow 1:

Average throughput: 354.83 Mbit/s

95th percentile per-packet one-way delay: 124.664 ms

Loss rate: 0.95%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 06:35:15

End at: 2018-04-24 06:35:46

Below is generated by plot.py at 2018-04-24 10:48:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.49 Mbit/s

95th percentile per-packet one-way delay: 104.039 ms

Loss rate: 0.76%

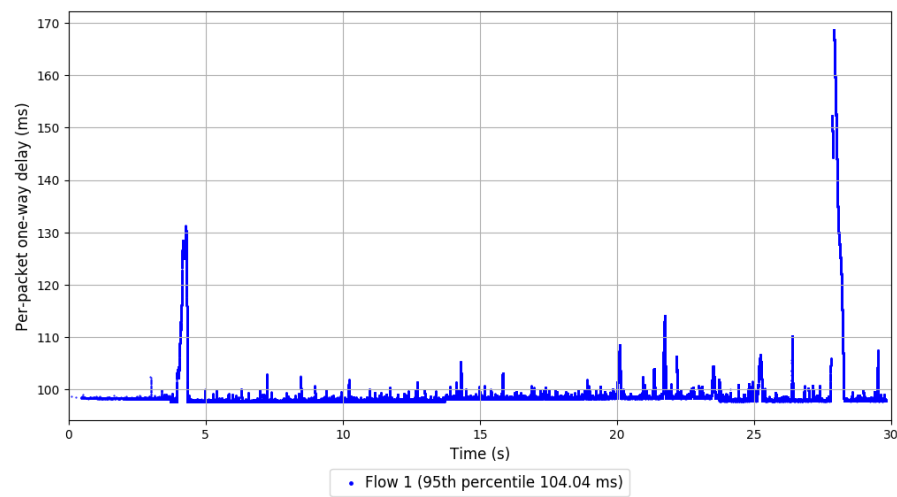
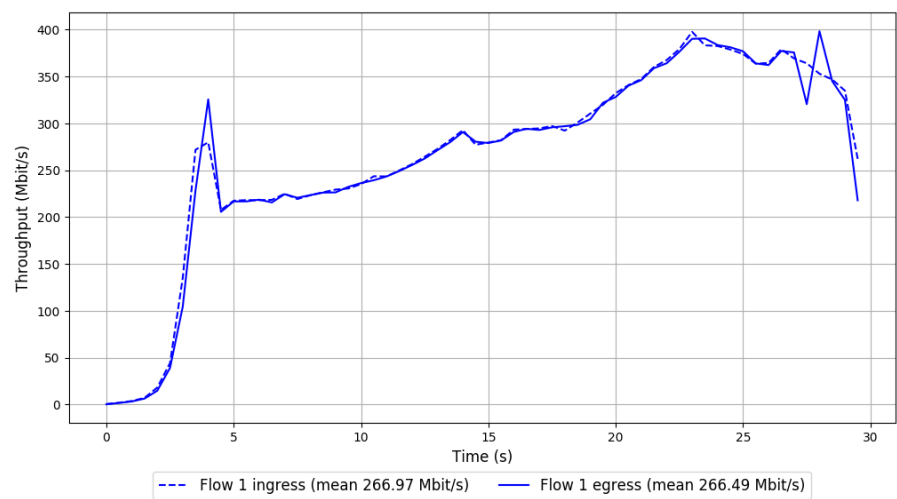
-- Flow 1:

Average throughput: 266.49 Mbit/s

95th percentile per-packet one-way delay: 104.039 ms

Loss rate: 0.76%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 06:49:01

End at: 2018-04-24 06:49:31

Below is generated by plot.py at 2018-04-24 10:48:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.19 Mbit/s

95th percentile per-packet one-way delay: 105.012 ms

Loss rate: 0.85%

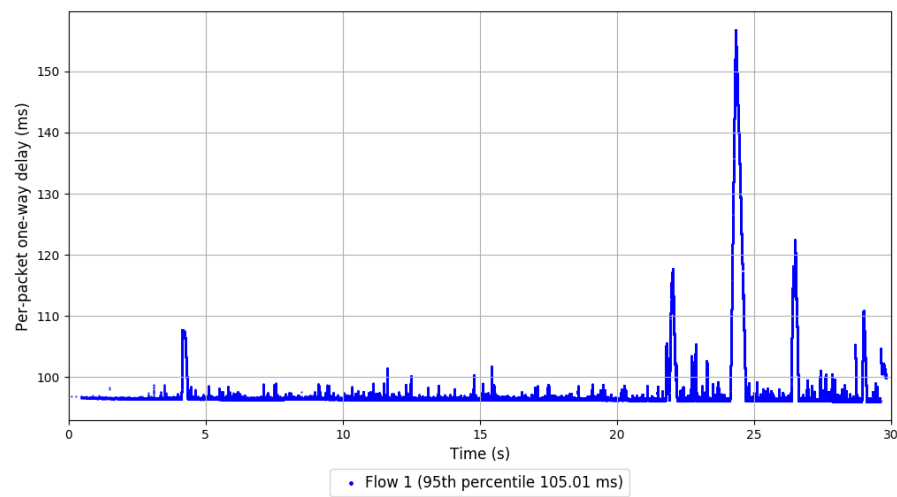
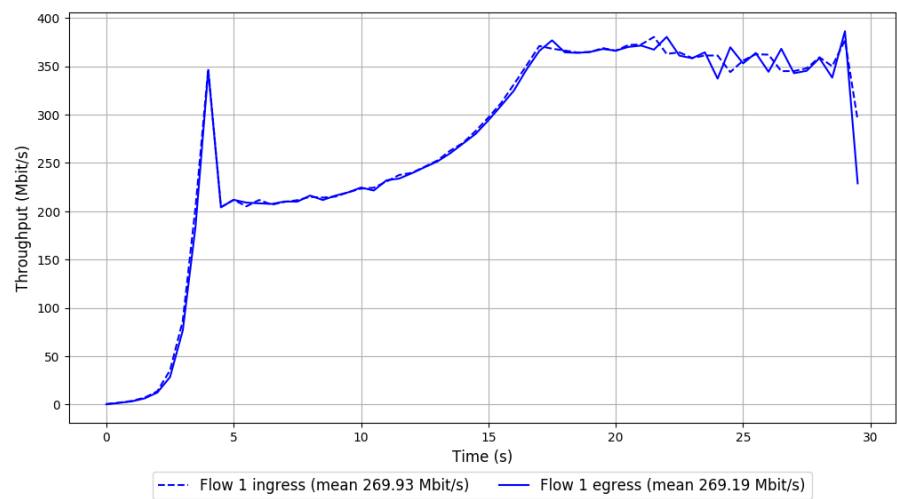
-- Flow 1:

Average throughput: 269.19 Mbit/s

95th percentile per-packet one-way delay: 105.012 ms

Loss rate: 0.85%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 07:02:44

End at: 2018-04-24 07:03:14

Below is generated by plot.py at 2018-04-24 10:48:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.42 Mbit/s

95th percentile per-packet one-way delay: 112.805 ms

Loss rate: 0.58%

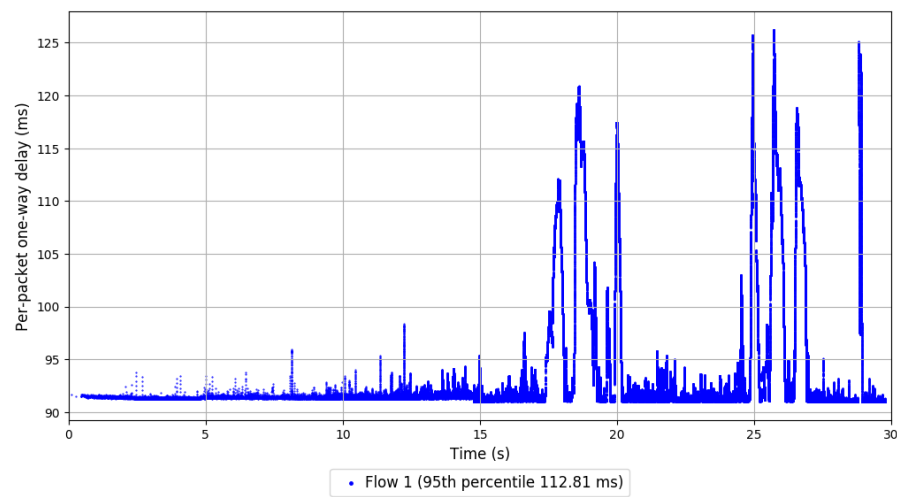
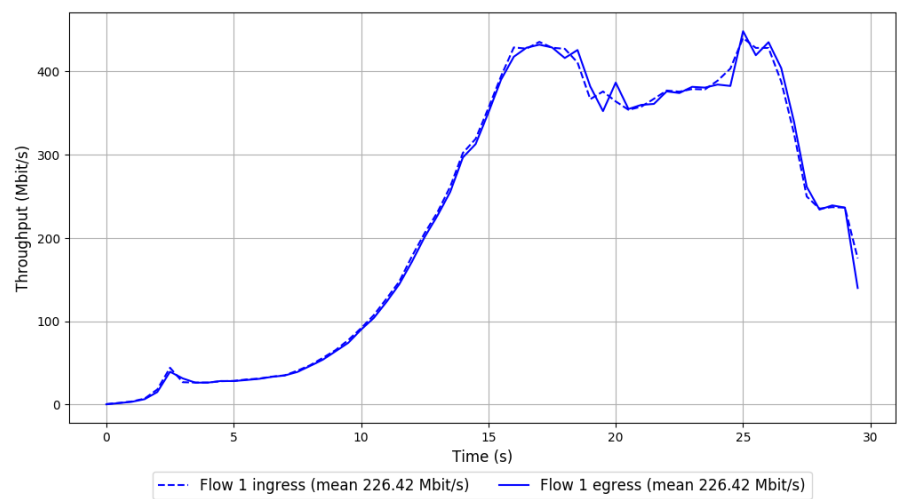
-- Flow 1:

Average throughput: 226.42 Mbit/s

95th percentile per-packet one-way delay: 112.805 ms

Loss rate: 0.58%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 07:16:30

End at: 2018-04-24 07:17:00

Below is generated by plot.py at 2018-04-24 10:48:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.78 Mbit/s

95th percentile per-packet one-way delay: 105.031 ms

Loss rate: 0.62%

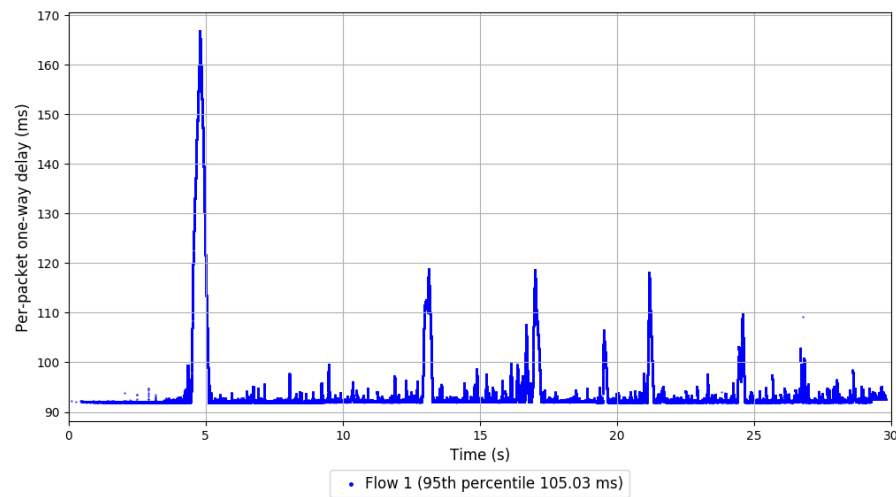
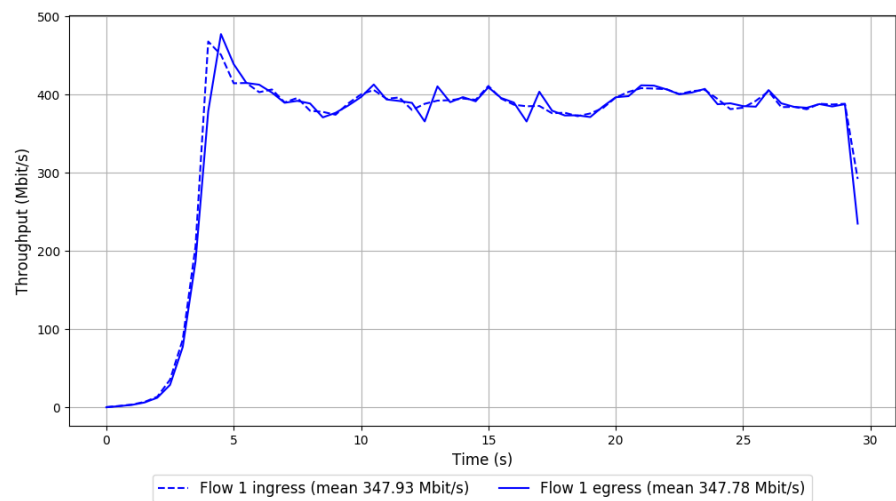
-- Flow 1:

Average throughput: 347.78 Mbit/s

95th percentile per-packet one-way delay: 105.031 ms

Loss rate: 0.62%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 05:05:03

End at: 2018-04-24 05:05:33

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 05:18:44

End at: 2018-04-24 05:19:14

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 05:32:25

End at: 2018-04-24 05:32:55

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 05:46:05

End at: 2018-04-24 05:46:35

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 05:59:57

End at: 2018-04-24 06:00:27

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 06:13:45

End at: 2018-04-24 06:14:16

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 06:27:39

End at: 2018-04-24 06:28:09

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 06:41:28

End at: 2018-04-24 06:41:58

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 06:55:10

End at: 2018-04-24 06:55:40

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 07:08:53

End at: 2018-04-24 07:09:23

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing