

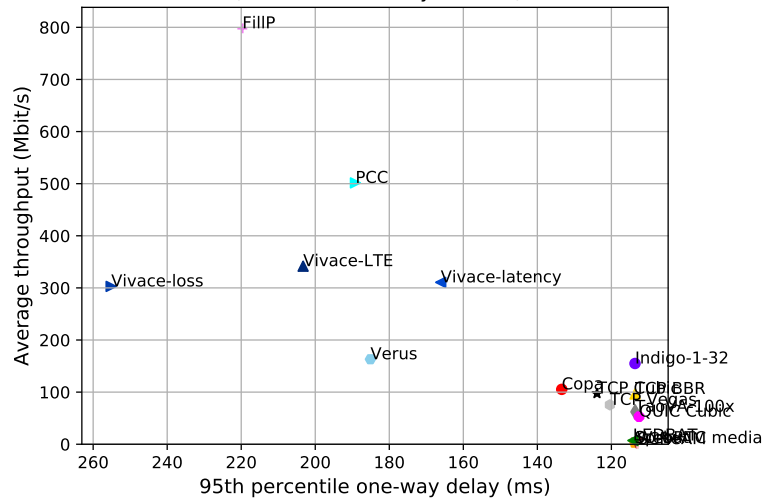
Pantheon Report

Generated at 2018-03-06 01:19:32 (UTC).
Data path: GCE London Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

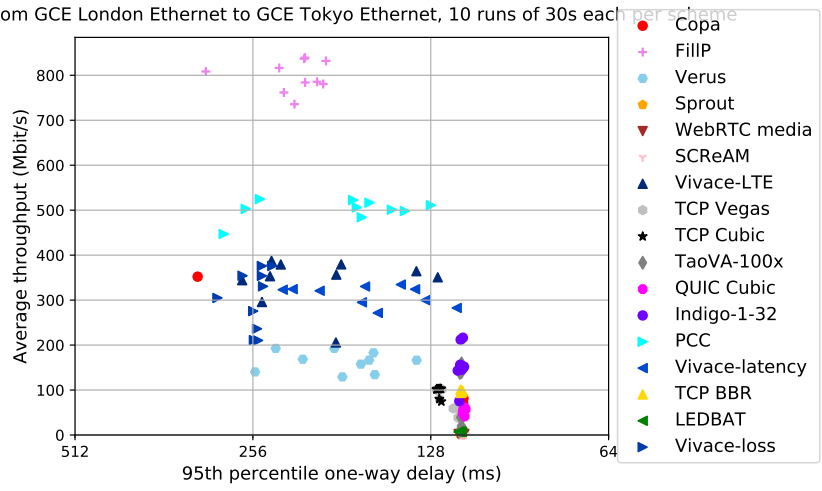
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.53	113.60	0.00
TCP Cubic	10	97.33	123.89	0.00
LEDBAT	10	7.14	114.20	0.01
PCC	10	501.47	189.14	1.59
QUIC Cubic	8	52.94	112.52	0.00
SCReAM	10	0.22	112.94	0.00
WebRTC media	10	2.16	113.21	0.00
Sprout	10	2.45	113.74	0.00
TaoVA-100x	10	62.18	113.58	0.01
TCP Vegas	10	75.56	120.40	0.00
Verus	10	163.09	185.10	0.58
Copa	10	105.31	133.41	3.94
FillP	10	798.09	219.70	8.53
Indigo-1-32	10	154.94	113.62	0.00
Vivace-latency	10	310.63	166.11	0.29
Vivace-loss	10	302.87	255.14	3.23
Vivace-LTE	10	341.74	203.28	0.63

Run 1: Statistics of TCP BBR

Start at: 2018-03-05 20:22:45

End at: 2018-03-05 20:23:15

Below is generated by plot.py at 2018-03-06 00:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.96 Mbit/s

95th percentile per-packet one-way delay: 113.958 ms

Loss rate: 0.00%

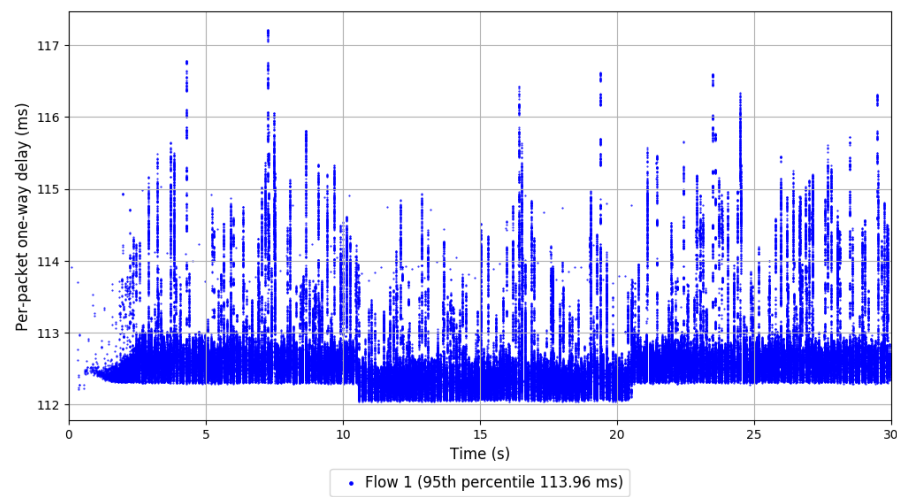
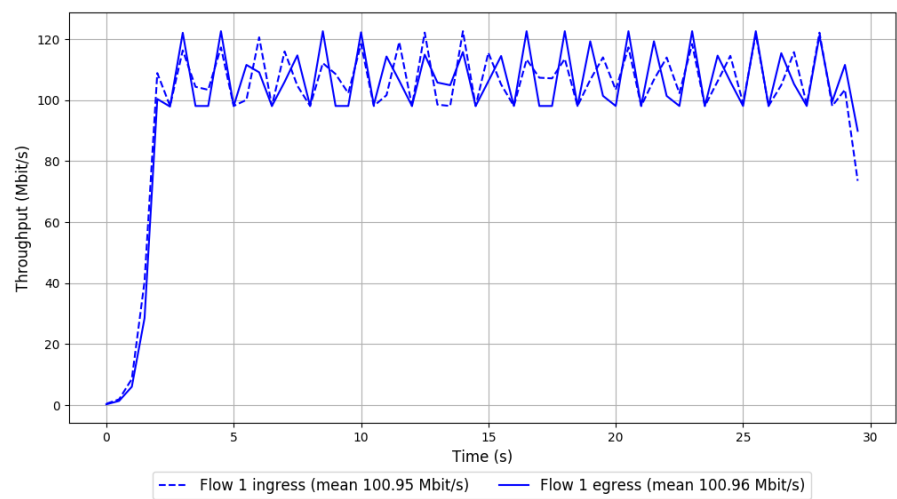
-- Flow 1:

Average throughput: 100.96 Mbit/s

95th percentile per-packet one-way delay: 113.958 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-05 20:38:03

End at: 2018-03-05 20:38:33

Below is generated by plot.py at 2018-03-06 00:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 113.794 ms

Loss rate: 0.00%

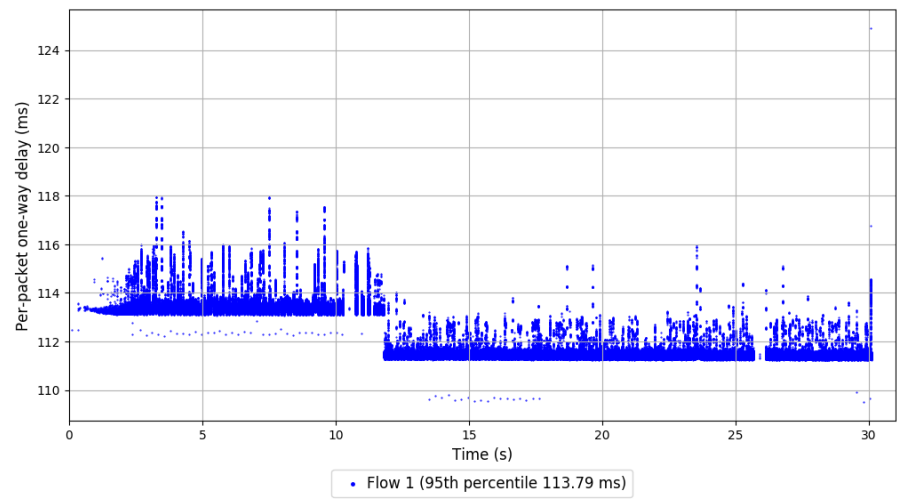
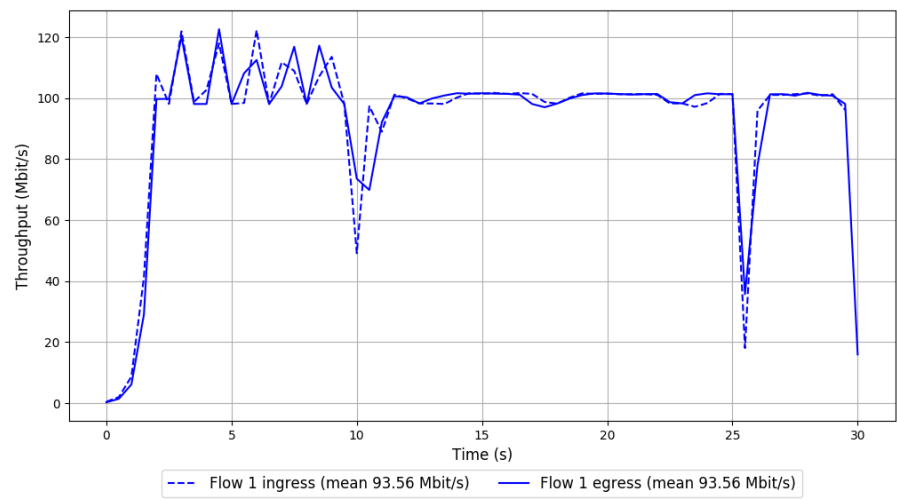
-- Flow 1:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 113.794 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-05 20:53:27

End at: 2018-03-05 20:53:57

Below is generated by plot.py at 2018-03-06 00:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.75 Mbit/s

95th percentile per-packet one-way delay: 113.705 ms

Loss rate: 0.01%

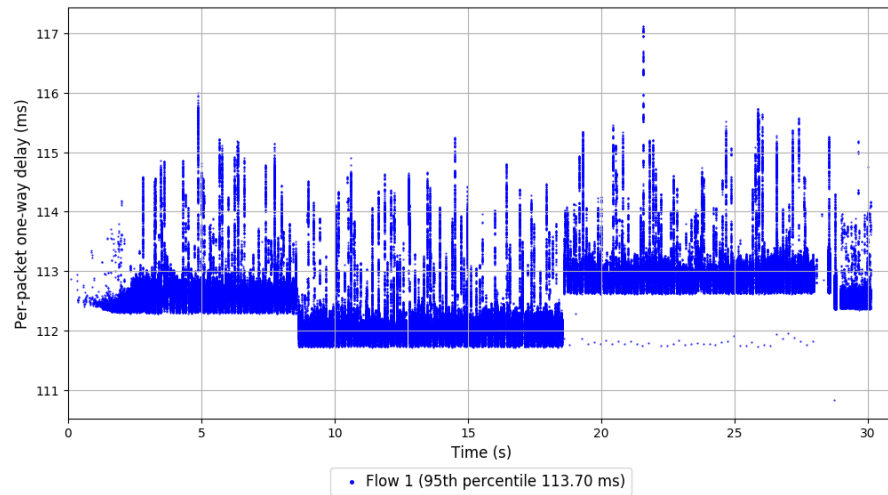
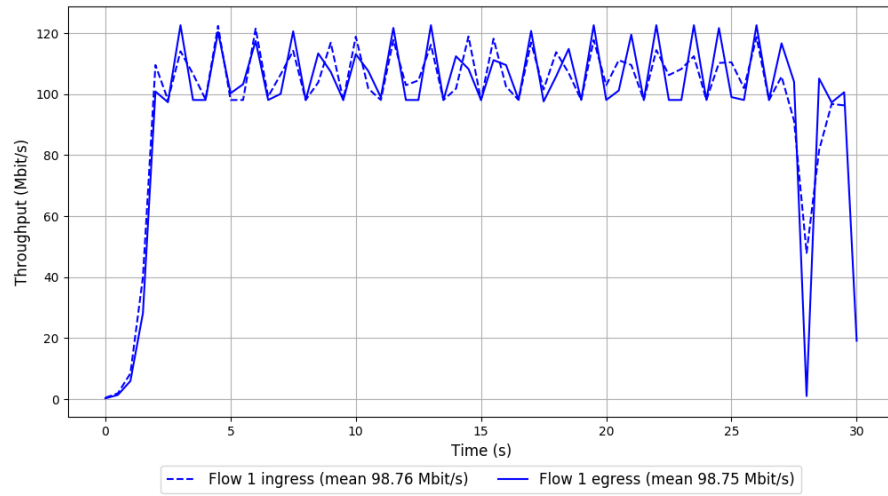
-- Flow 1:

Average throughput: 98.75 Mbit/s

95th percentile per-packet one-way delay: 113.705 ms

Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-05 21:08:52

End at: 2018-03-05 21:09:22

Below is generated by plot.py at 2018-03-06 00:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 113.010 ms

Loss rate: 0.00%

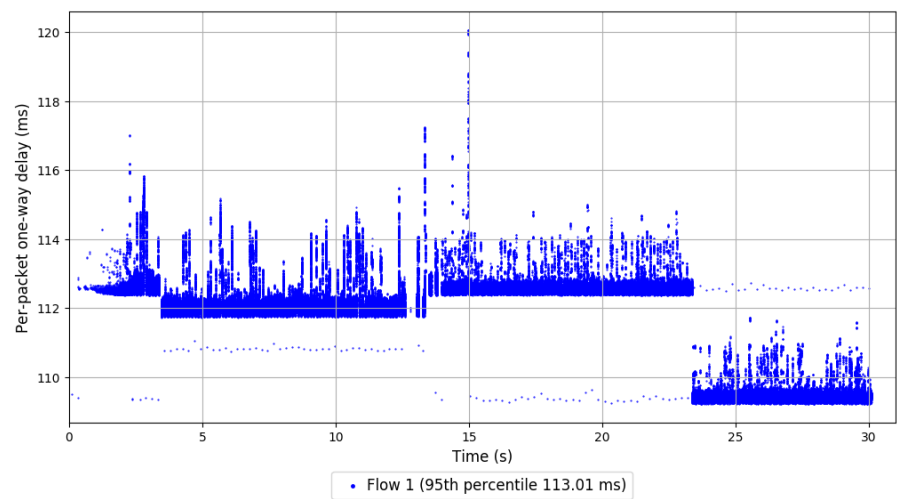
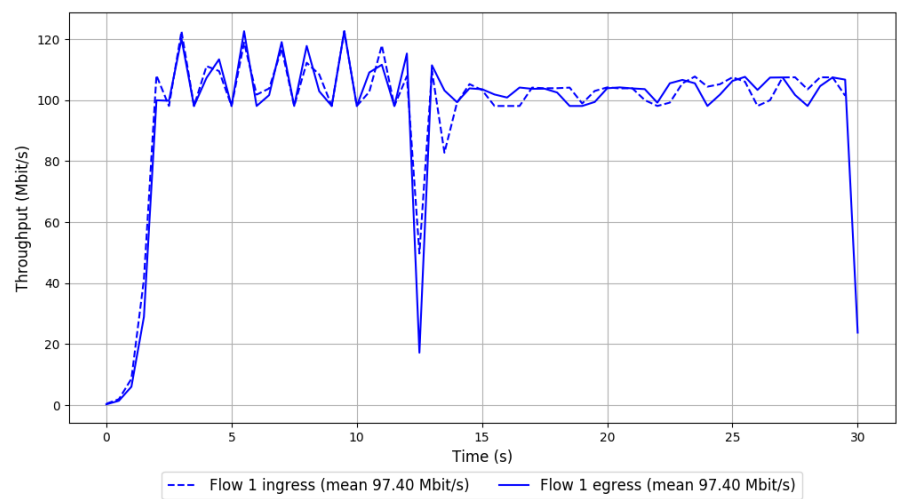
-- Flow 1:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 113.010 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-05 21:24:26

End at: 2018-03-05 21:24:56

Below is generated by plot.py at 2018-03-06 00:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.48 Mbit/s

95th percentile per-packet one-way delay: 113.307 ms

Loss rate: 0.00%

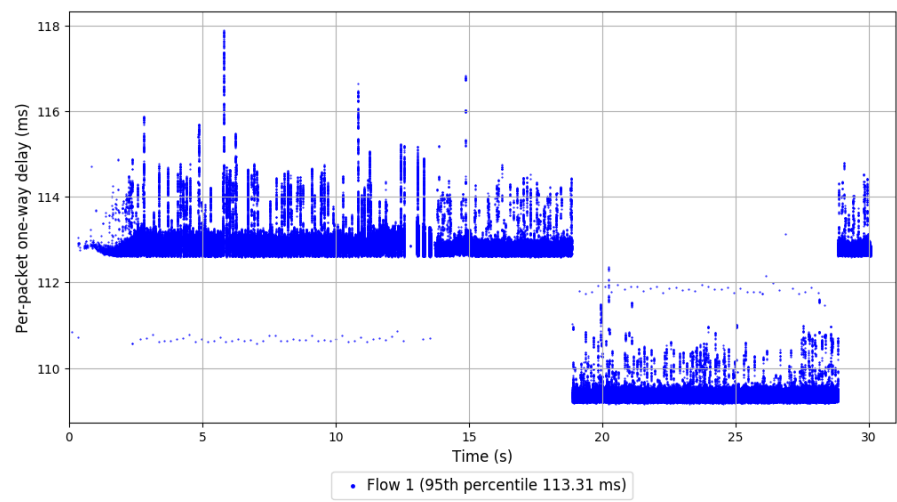
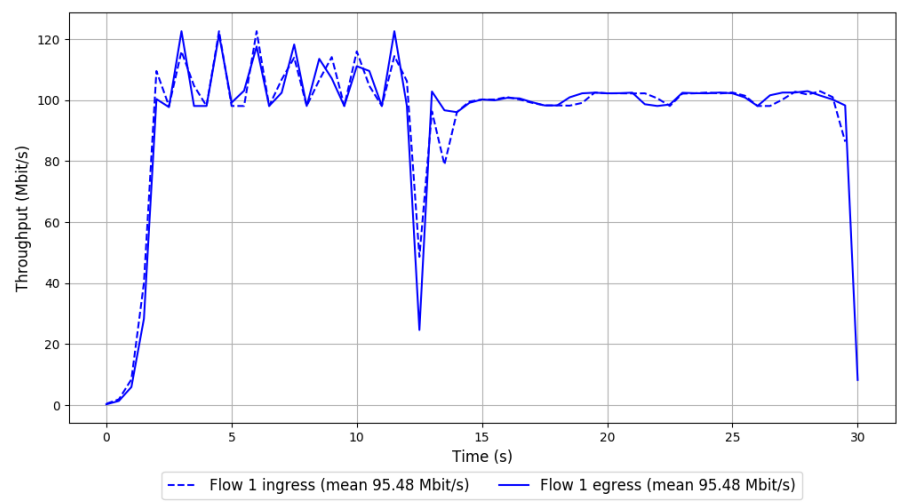
-- Flow 1:

Average throughput: 95.48 Mbit/s

95th percentile per-packet one-way delay: 113.307 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-03-05 21:40:04

End at: 2018-03-05 21:40:34

Below is generated by plot.py at 2018-03-06 00:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 113.689 ms

Loss rate: 0.00%

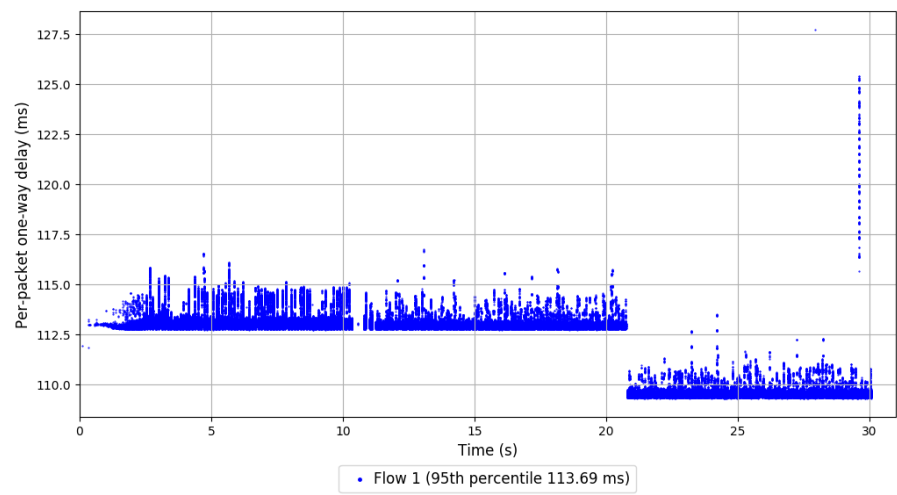
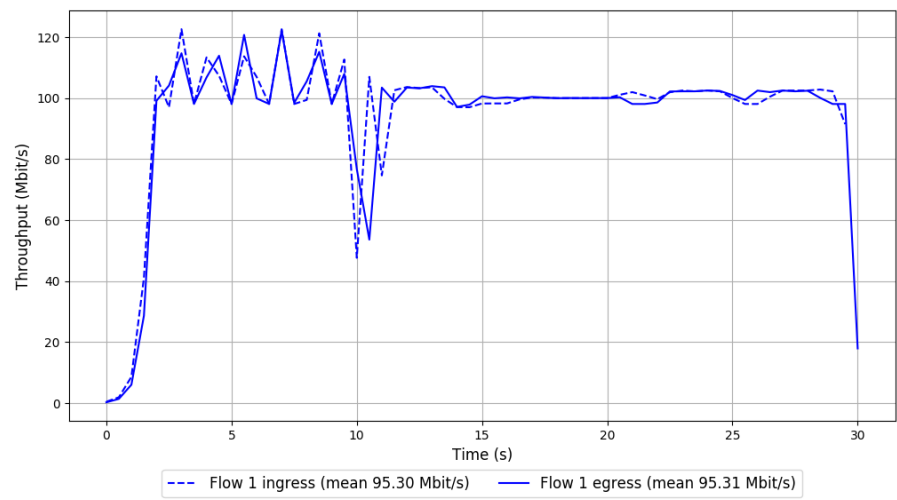
-- Flow 1:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 113.689 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-03-05 21:55:28

End at: 2018-03-05 21:55:58

Below is generated by plot.py at 2018-03-06 00:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.02 Mbit/s

95th percentile per-packet one-way delay: 113.425 ms

Loss rate: 0.00%

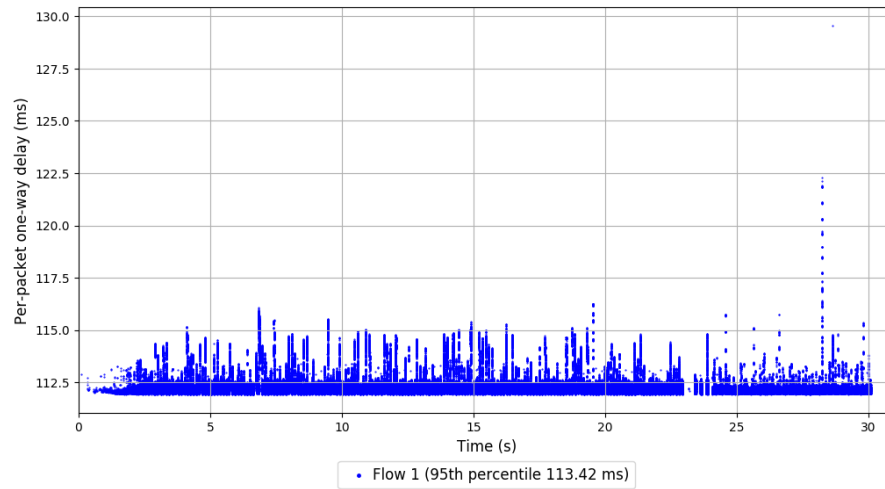
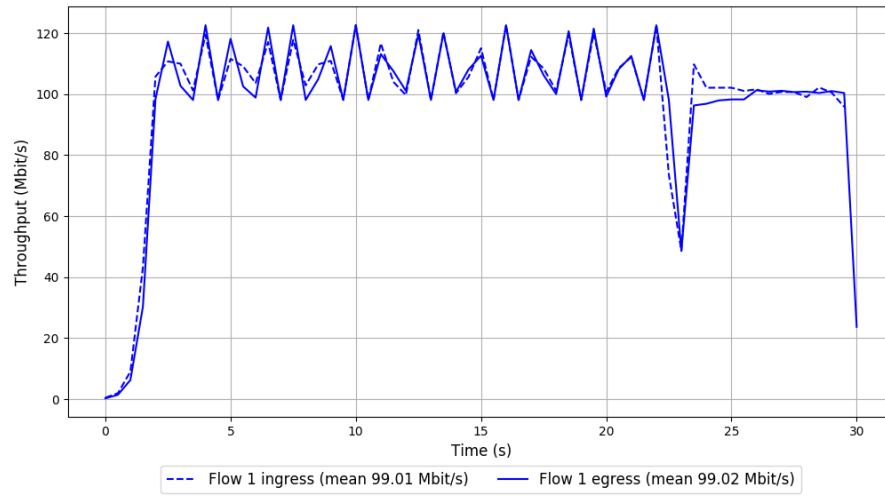
-- Flow 1:

Average throughput: 99.02 Mbit/s

95th percentile per-packet one-way delay: 113.425 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-05 22:10:39

End at: 2018-03-05 22:11:09

Below is generated by plot.py at 2018-03-06 00:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 113.622 ms

Loss rate: 0.00%

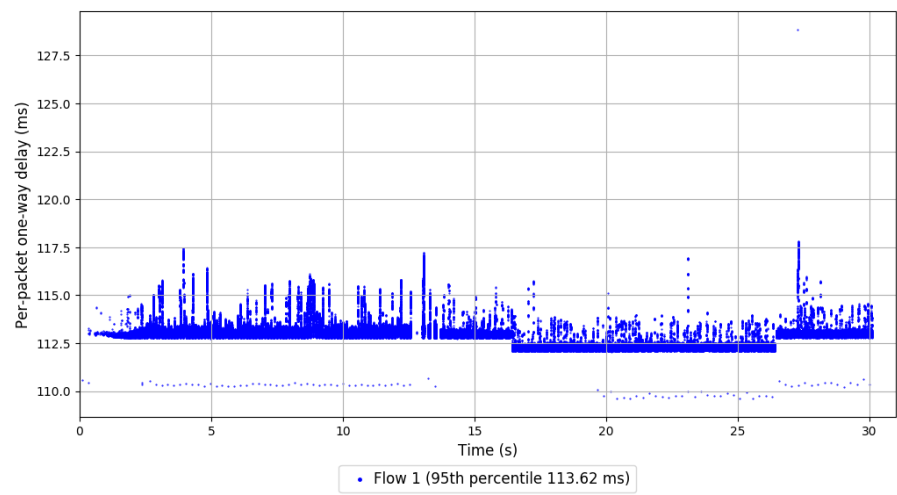
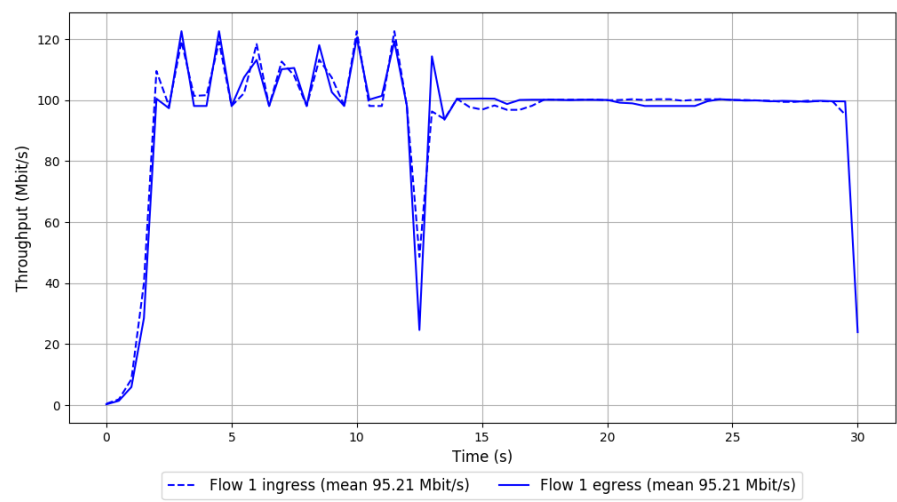
-- Flow 1:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 113.622 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-03-05 22:25:52

End at: 2018-03-05 22:26:22

Below is generated by plot.py at 2018-03-06 00:15:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 113.764 ms

Loss rate: 0.00%

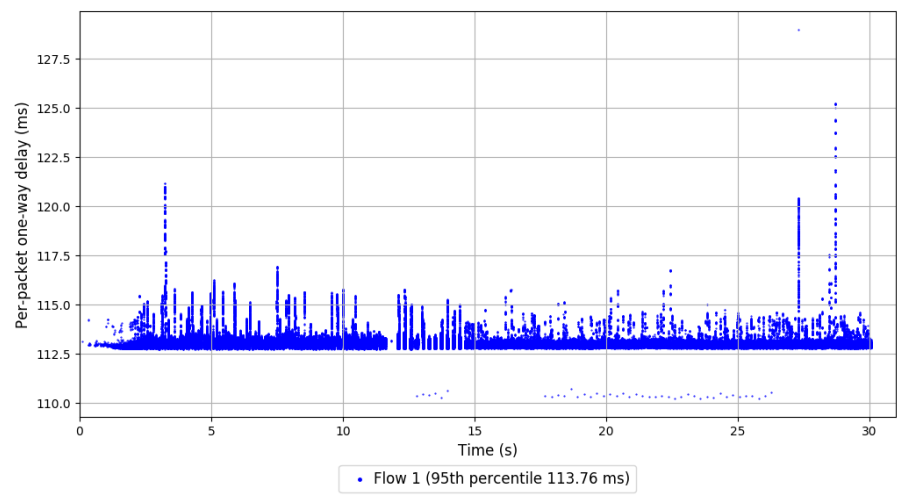
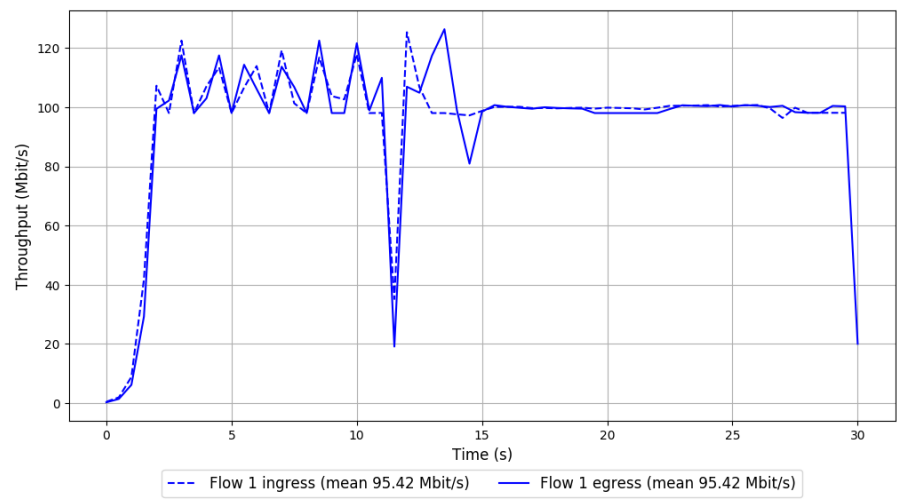
-- Flow 1:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 113.764 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-03-05 22:41:19

End at: 2018-03-05 22:41:49

Below is generated by plot.py at 2018-03-06 00:15:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.18 Mbit/s

95th percentile per-packet one-way delay: 113.753 ms

Loss rate: 0.00%

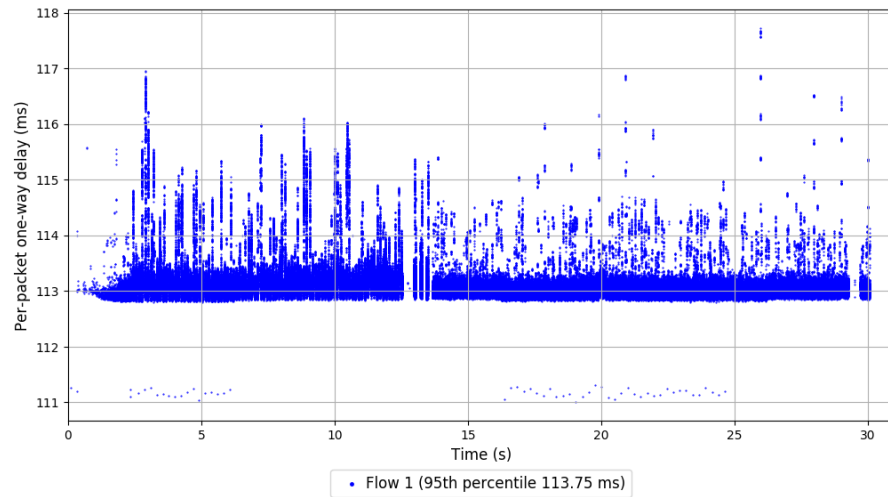
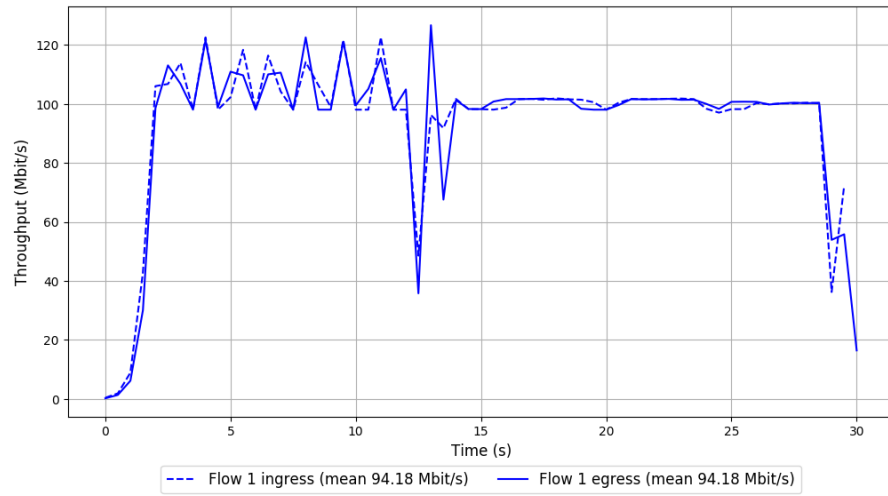
-- Flow 1:

Average throughput: 94.18 Mbit/s

95th percentile per-packet one-way delay: 113.753 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-05 20:23:31

End at: 2018-03-05 20:24:01

Below is generated by plot.py at 2018-03-06 00:15:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.48 Mbit/s

95th percentile per-packet one-way delay: 122.817 ms

Loss rate: 0.00%

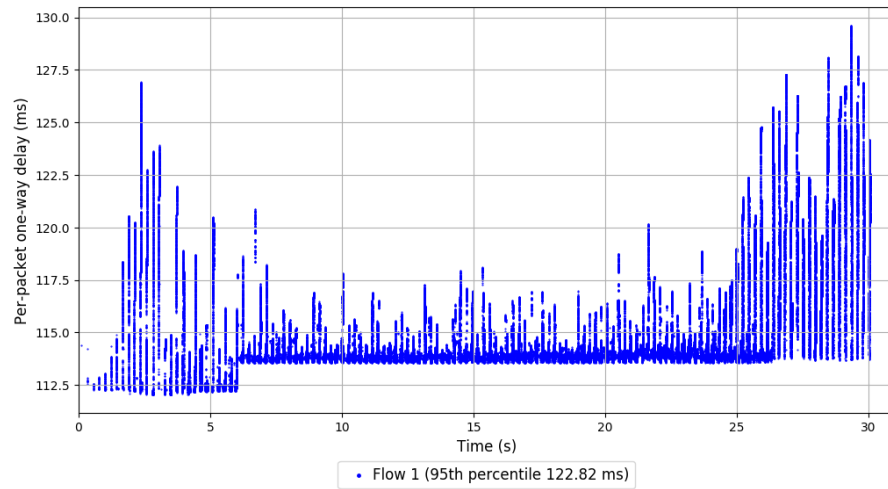
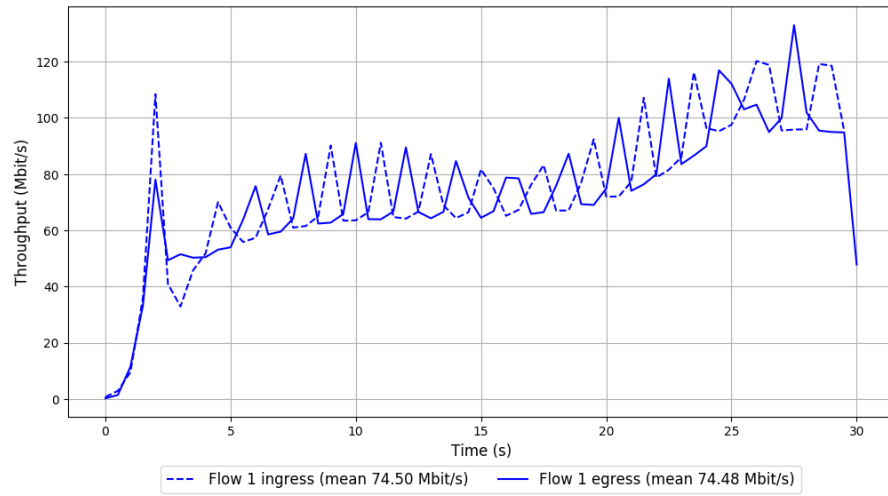
-- Flow 1:

Average throughput: 74.48 Mbit/s

95th percentile per-packet one-way delay: 122.817 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-03-05 20:38:49

End at: 2018-03-05 20:39:19

Below is generated by plot.py at 2018-03-06 00:15:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.26 Mbit/s

95th percentile per-packet one-way delay: 124.418 ms

Loss rate: 0.00%

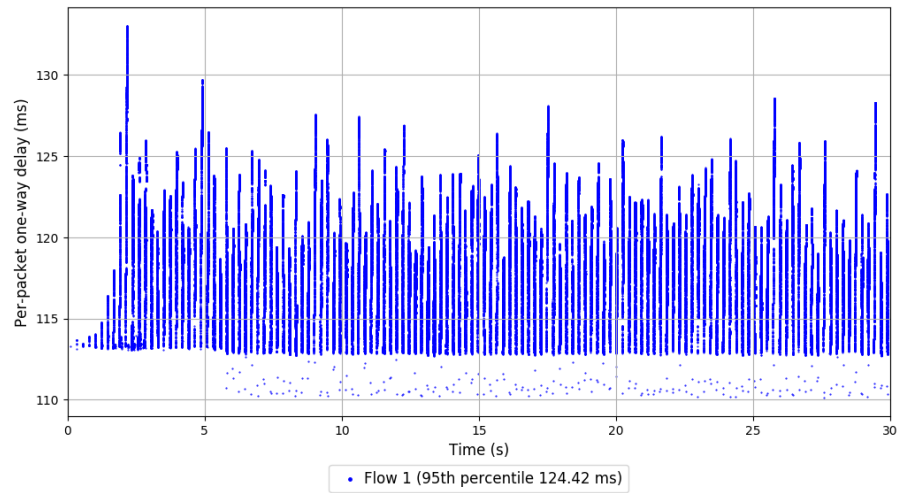
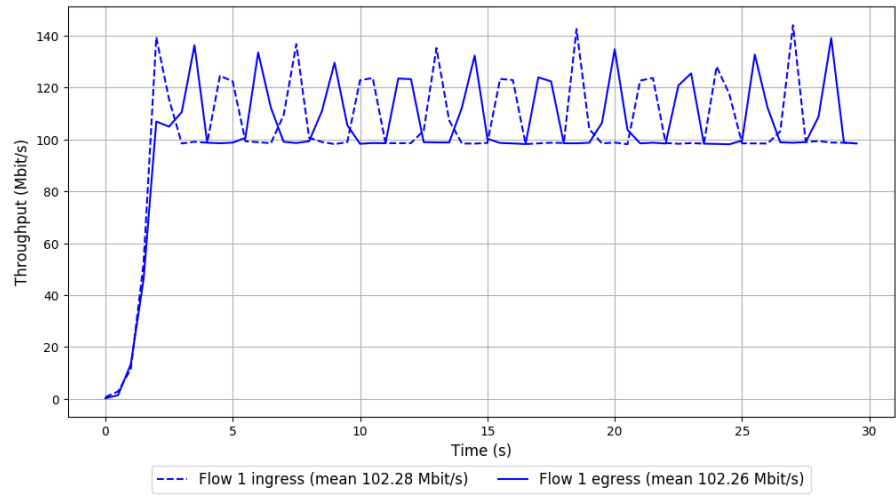
-- Flow 1:

Average throughput: 102.26 Mbit/s

95th percentile per-packet one-way delay: 124.418 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-05 20:54:13

End at: 2018-03-05 20:54:43

Below is generated by plot.py at 2018-03-06 00:15:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.05 Mbit/s

95th percentile per-packet one-way delay: 124.196 ms

Loss rate: 0.00%

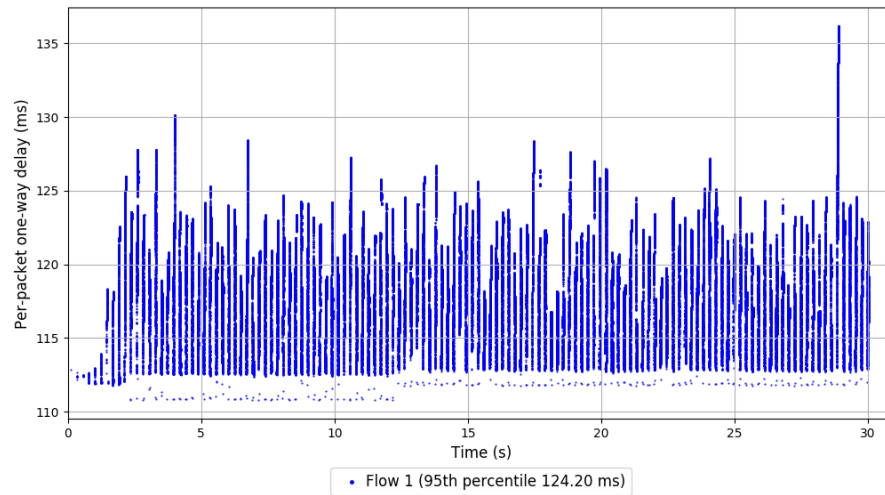
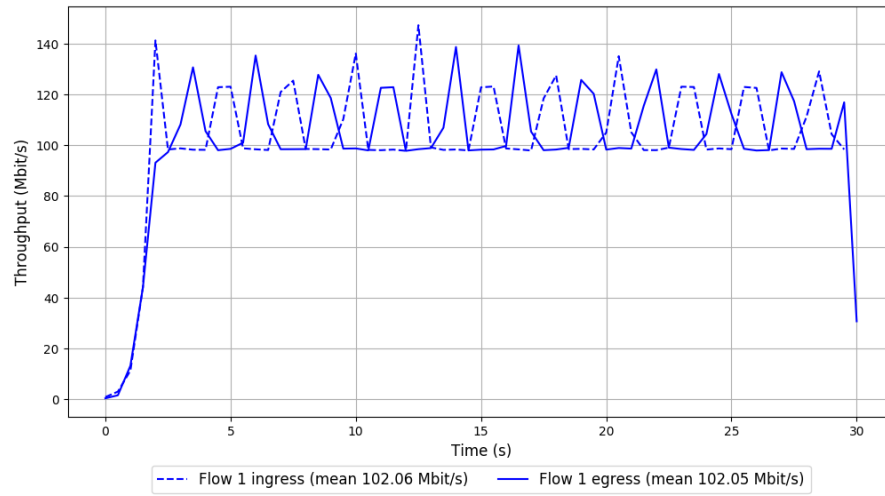
-- Flow 1:

Average throughput: 102.05 Mbit/s

95th percentile per-packet one-way delay: 124.196 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-03-05 21:09:38

End at: 2018-03-05 21:10:08

Below is generated by plot.py at 2018-03-06 00:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.70 Mbit/s

95th percentile per-packet one-way delay: 123.056 ms

Loss rate: 0.00%

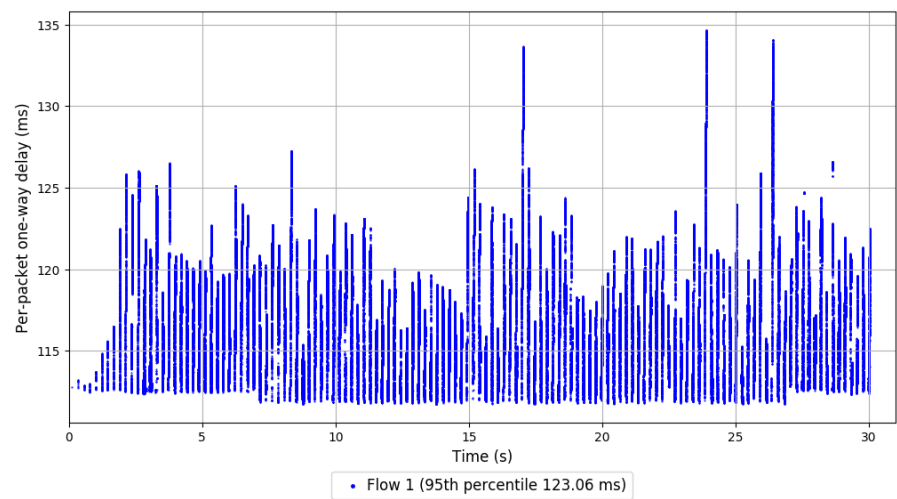
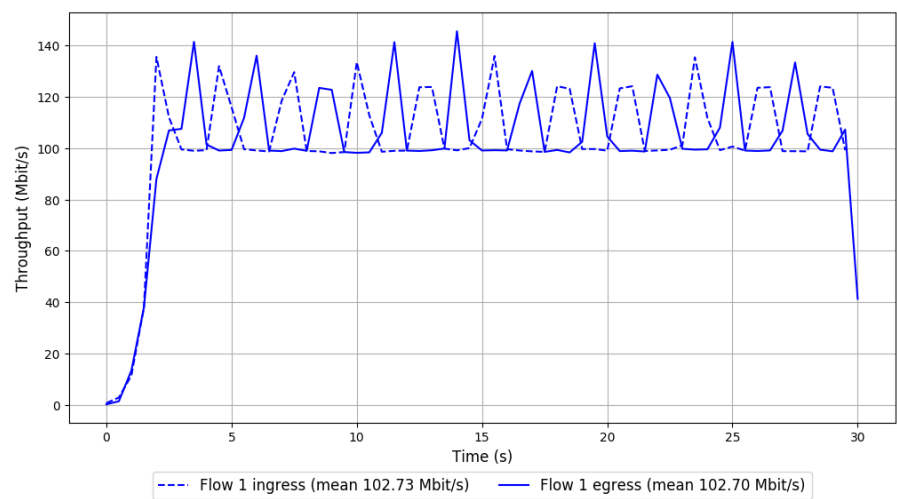
-- Flow 1:

Average throughput: 102.70 Mbit/s

95th percentile per-packet one-way delay: 123.056 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-05 21:25:12

End at: 2018-03-05 21:25:42

Below is generated by plot.py at 2018-03-06 00:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.94 Mbit/s

95th percentile per-packet one-way delay: 123.487 ms

Loss rate: 0.00%

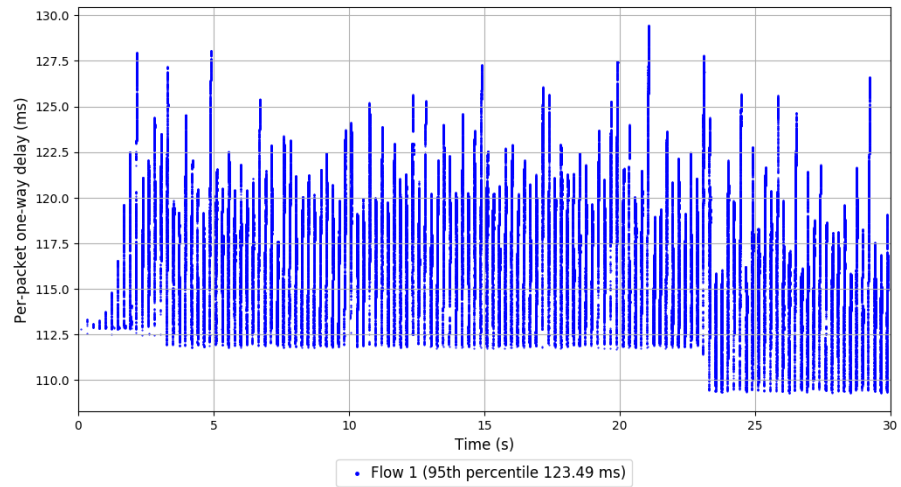
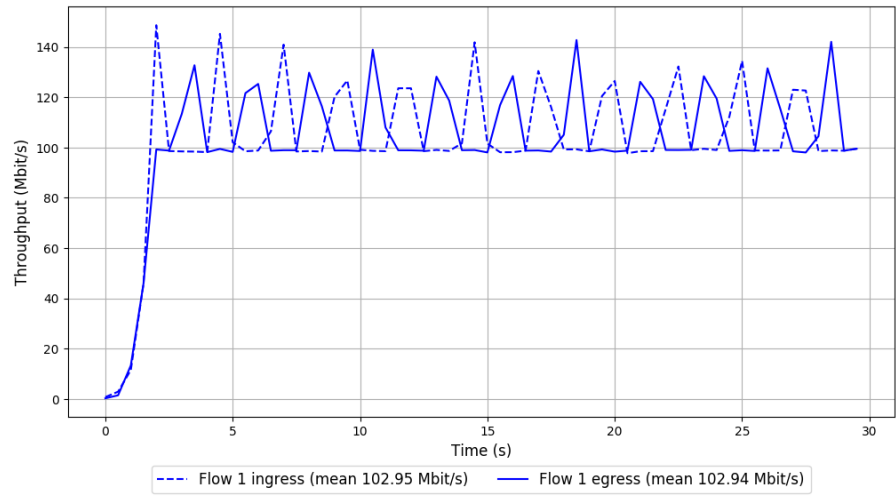
-- Flow 1:

Average throughput: 102.94 Mbit/s

95th percentile per-packet one-way delay: 123.487 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-05 21:40:50

End at: 2018-03-05 21:41:20

Below is generated by plot.py at 2018-03-06 00:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.65 Mbit/s

95th percentile per-packet one-way delay: 124.988 ms

Loss rate: 0.00%

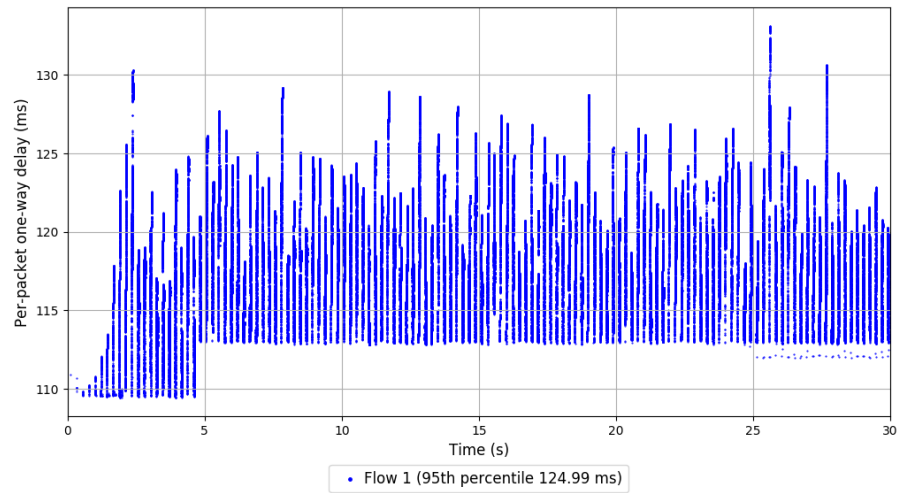
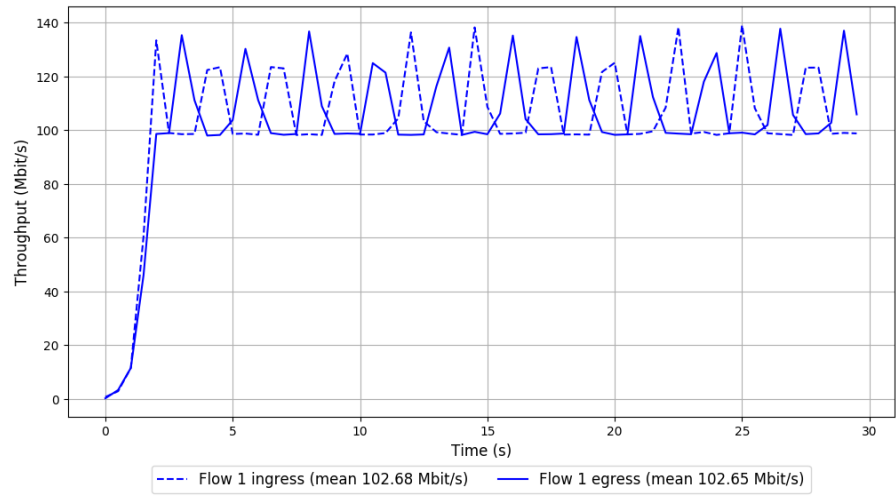
-- Flow 1:

Average throughput: 102.65 Mbit/s

95th percentile per-packet one-way delay: 124.988 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-03-05 21:56:15

End at: 2018-03-05 21:56:45

Below is generated by plot.py at 2018-03-06 00:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.51 Mbit/s

95th percentile per-packet one-way delay: 123.924 ms

Loss rate: 0.00%

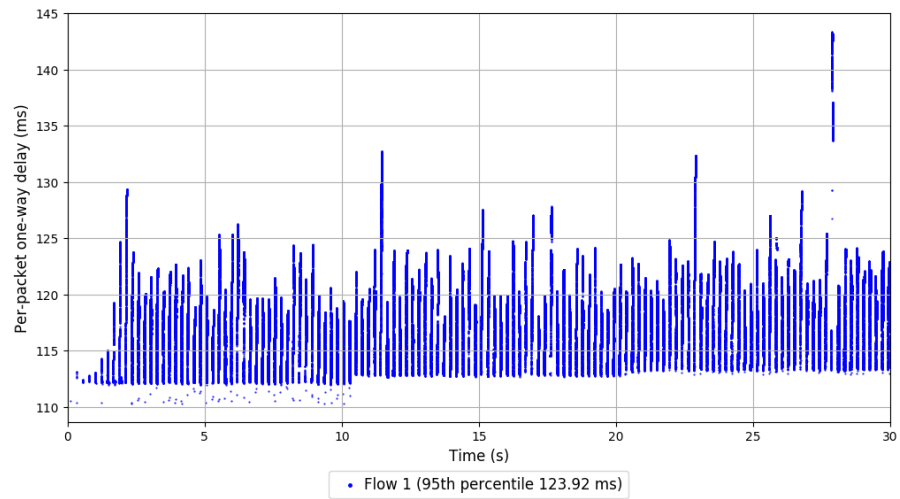
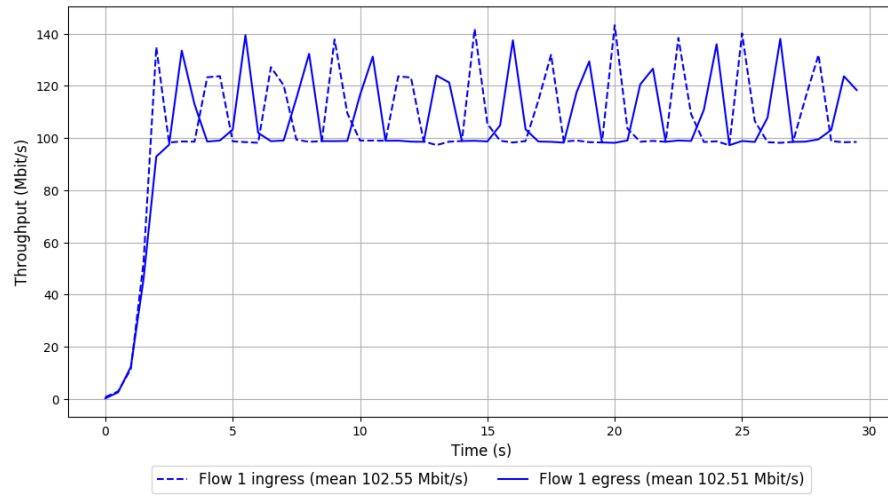
-- Flow 1:

Average throughput: 102.51 Mbit/s

95th percentile per-packet one-way delay: 123.924 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-03-05 22:11:25

End at: 2018-03-05 22:11:55

Below is generated by plot.py at 2018-03-06 00:17:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.58 Mbit/s

95th percentile per-packet one-way delay: 122.992 ms

Loss rate: 0.00%

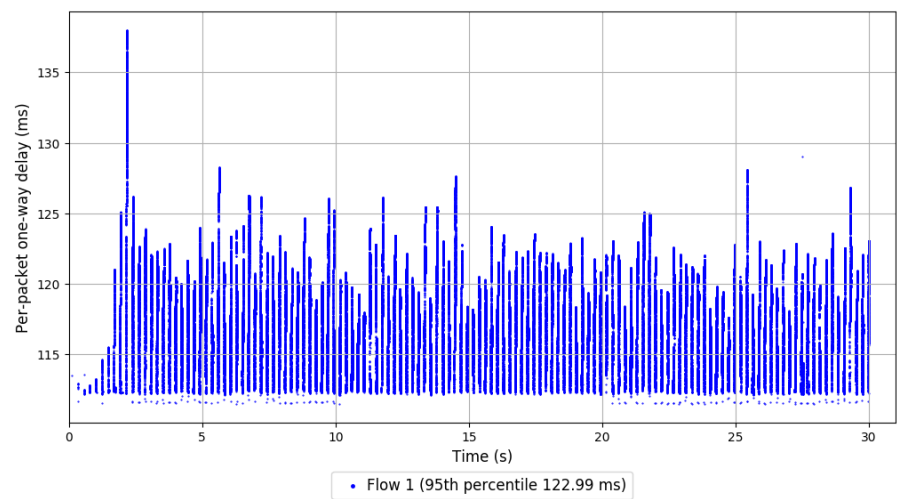
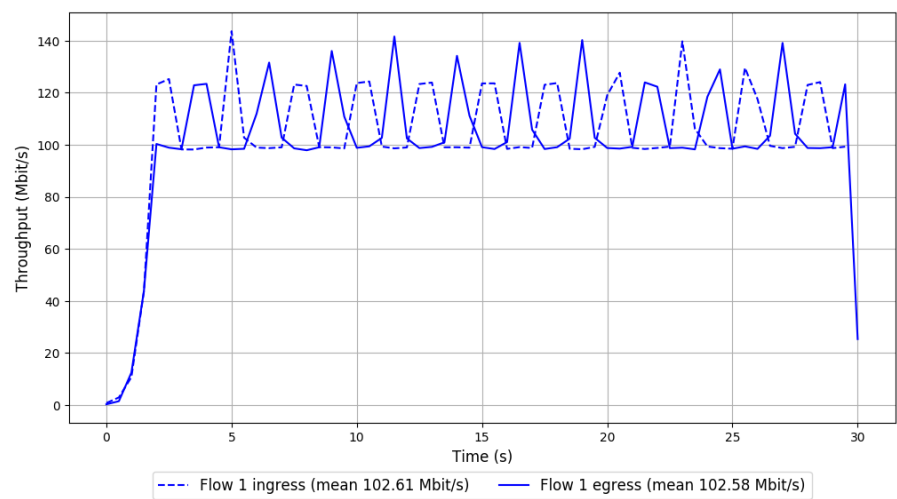
-- Flow 1:

Average throughput: 102.58 Mbit/s

95th percentile per-packet one-way delay: 122.992 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-03-05 22:26:38

End at: 2018-03-05 22:27:08

Below is generated by plot.py at 2018-03-06 00:17:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 123.787 ms

Loss rate: 0.02%

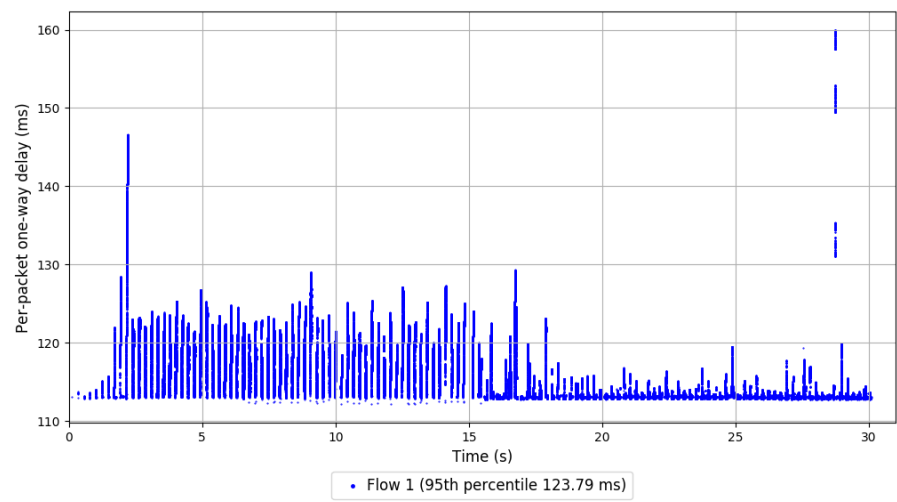
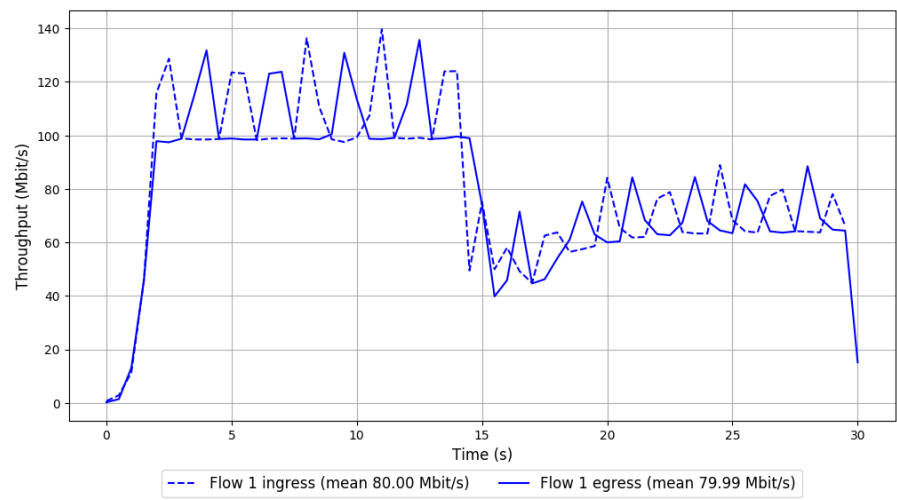
-- Flow 1:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 123.787 ms

Loss rate: 0.02%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-05 22:42:05

End at: 2018-03-05 22:42:35

Below is generated by plot.py at 2018-03-06 00:17:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.14 Mbit/s

95th percentile per-packet one-way delay: 125.238 ms

Loss rate: 0.00%

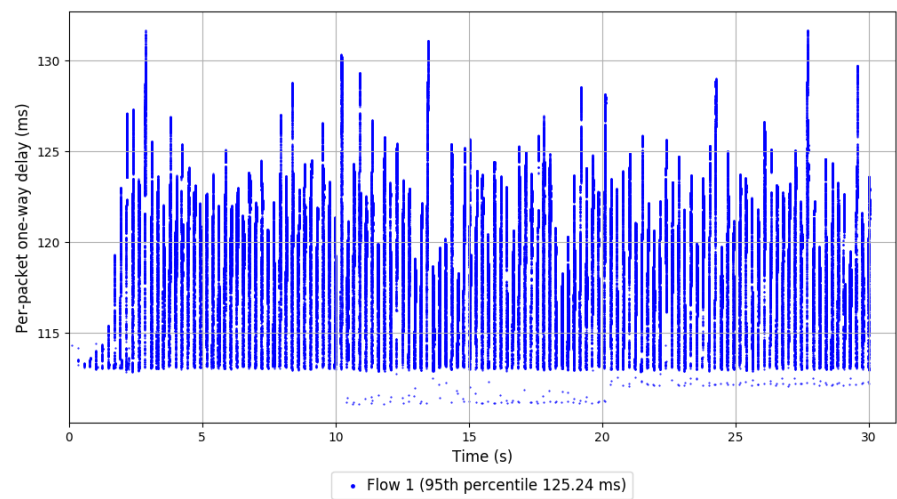
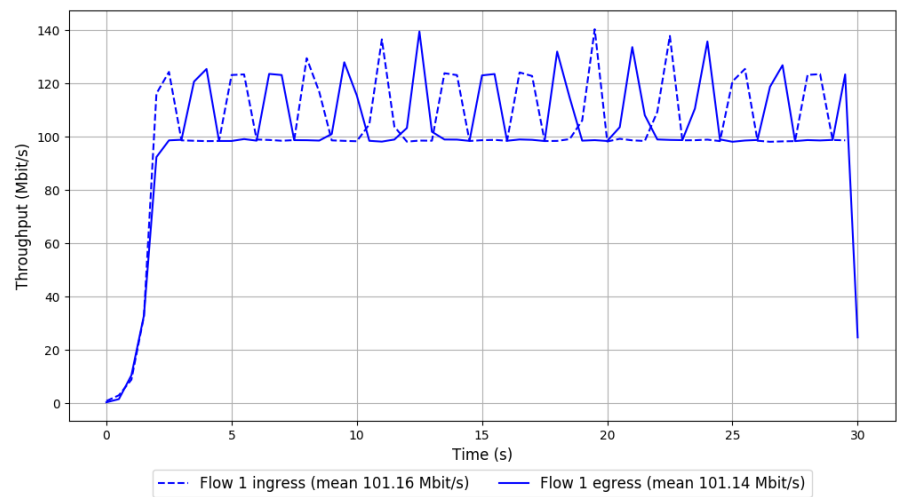
-- Flow 1:

Average throughput: 101.14 Mbit/s

95th percentile per-packet one-way delay: 125.238 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

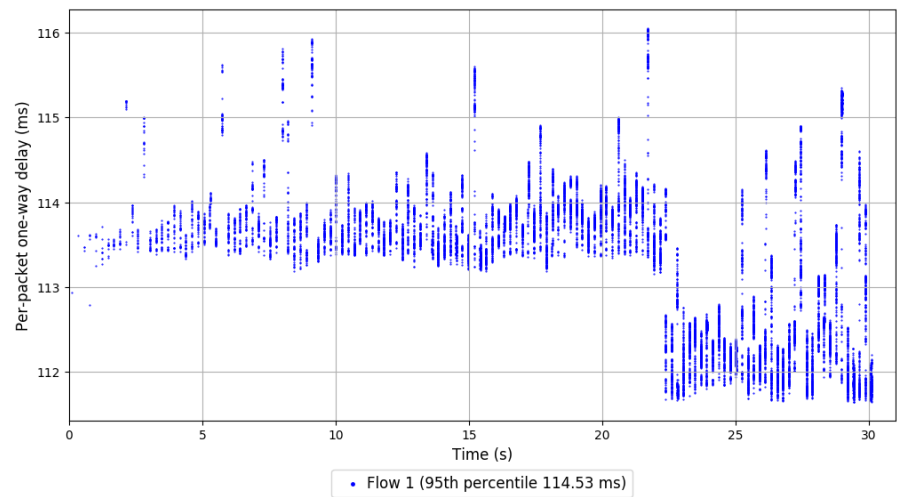
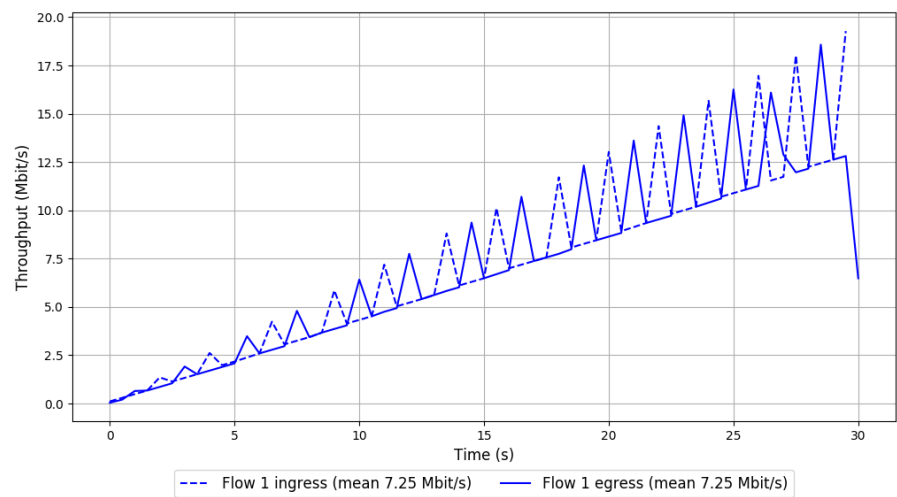


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-05 20:34:13
End at: 2018-03-05 20:34:43

# Below is generated by plot.py at 2018-03-06 00:17:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 114.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 114.533 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

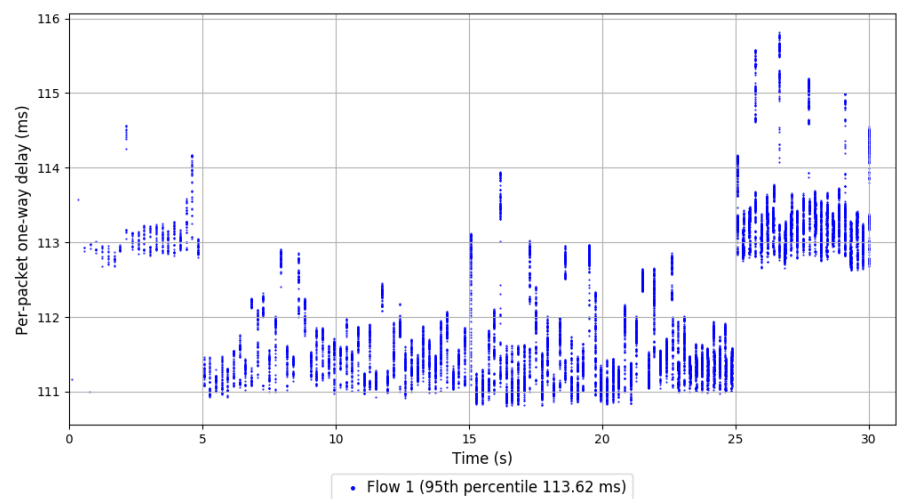
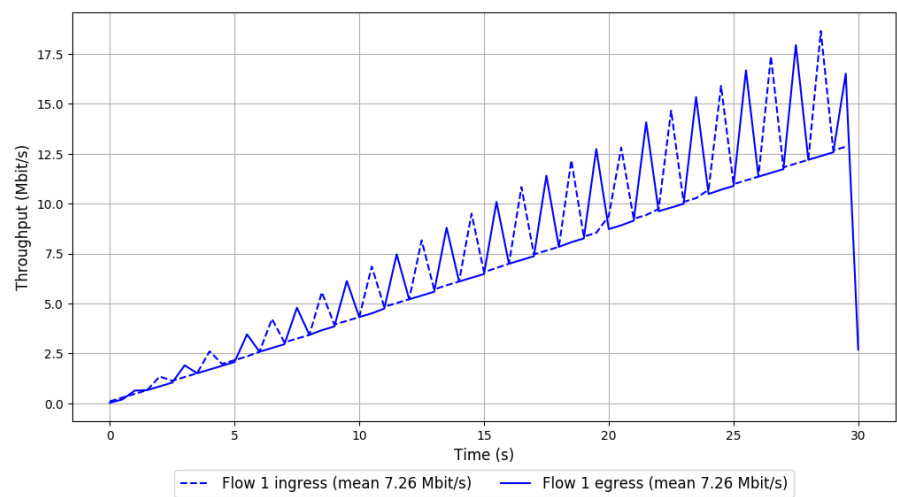


```
Run 2: Statistics of LEDBAT

Start at: 2018-03-05 20:49:30
End at: 2018-03-05 20:50:00

# Below is generated by plot.py at 2018-03-06 00:17:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 113.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 113.617 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-03-05 21:04:58

End at: 2018-03-05 21:05:28

Below is generated by plot.py at 2018-03-06 00:17:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 114.039 ms

Loss rate: 0.00%

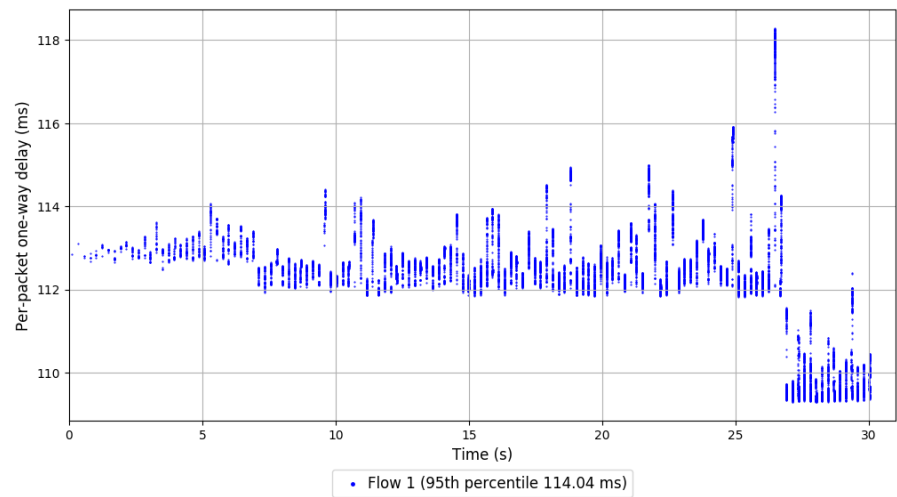
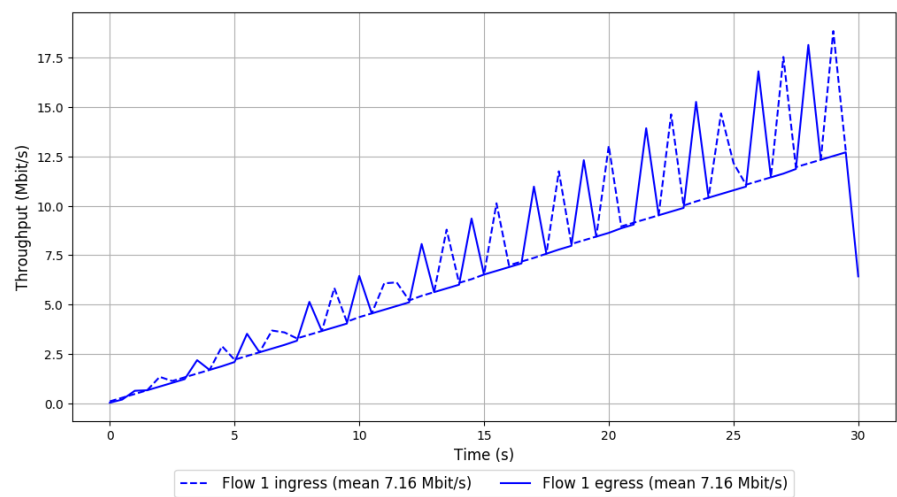
-- Flow 1:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 114.039 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-03-05 21:20:33

End at: 2018-03-05 21:21:03

Below is generated by plot.py at 2018-03-06 00:17:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 113.544 ms

Loss rate: 0.00%

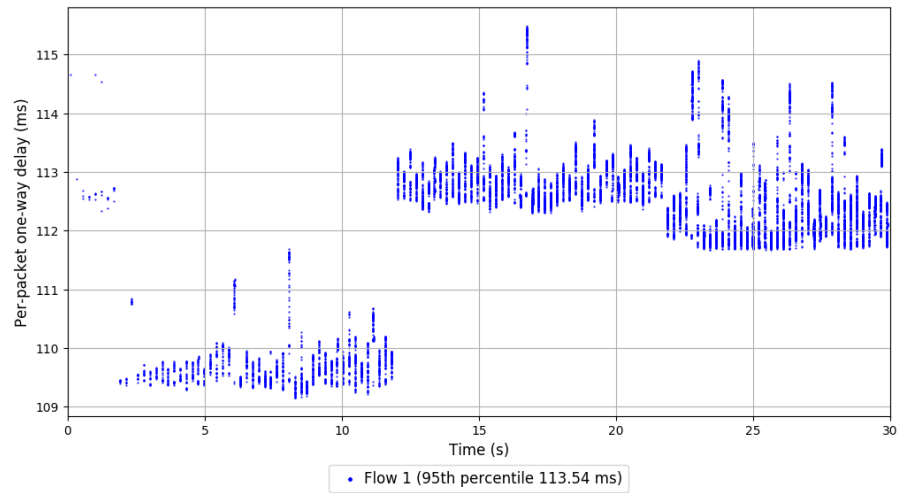
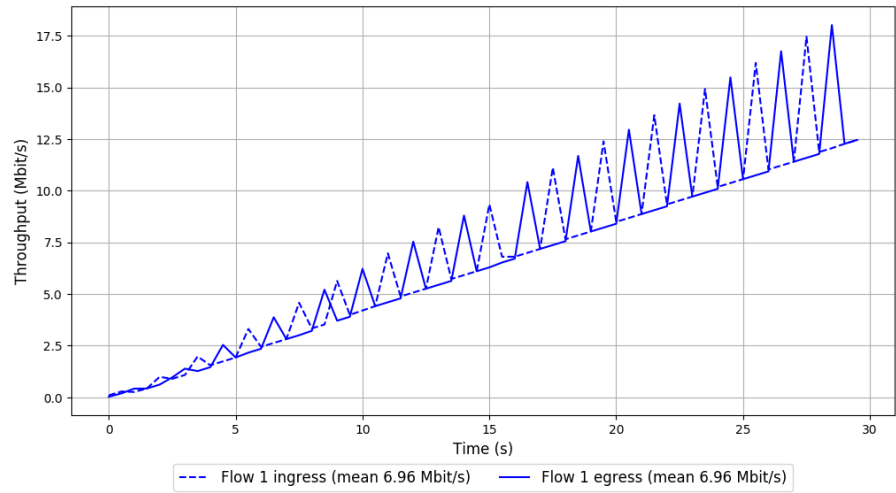
-- Flow 1:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 113.544 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-03-05 21:36:10

End at: 2018-03-05 21:36:40

Below is generated by plot.py at 2018-03-06 00:17:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 114.456 ms

Loss rate: 0.00%

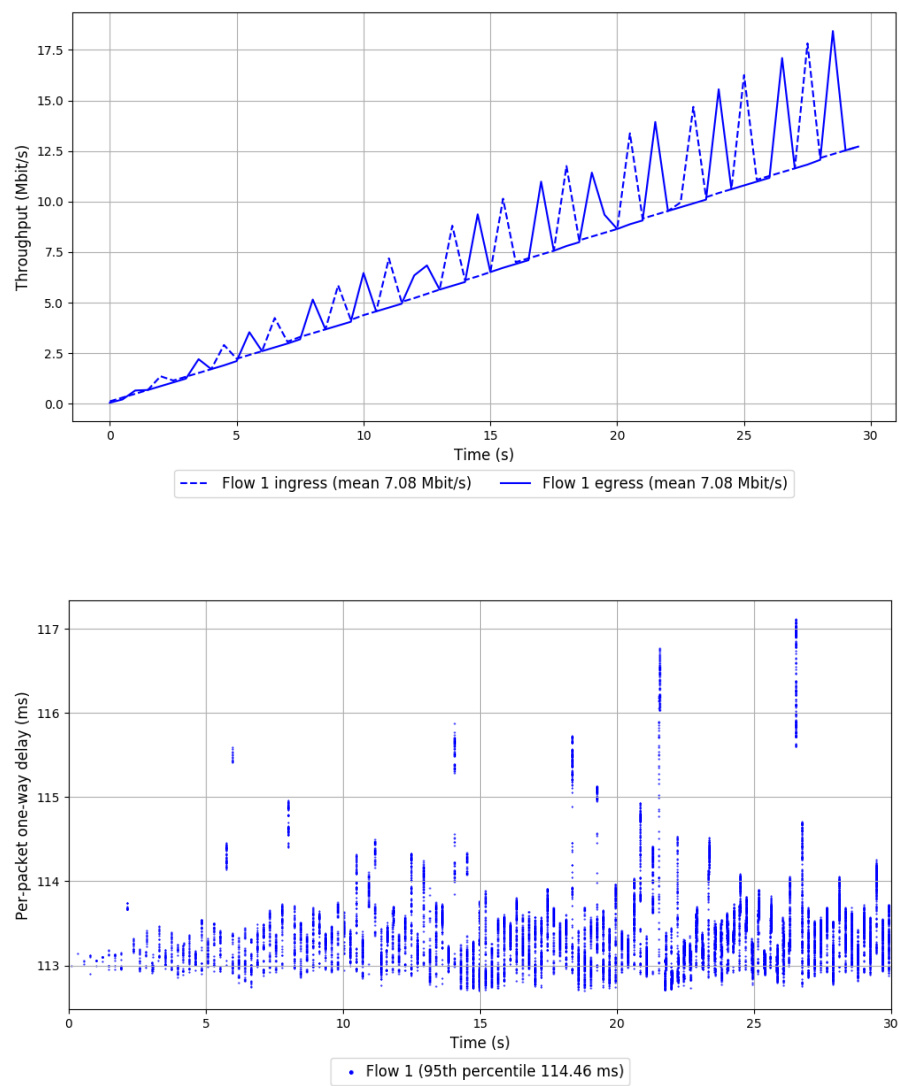
-- Flow 1:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 114.456 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-05 21:51:47

End at: 2018-03-05 21:52:17

Below is generated by plot.py at 2018-03-06 00:17:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 113.377 ms

Loss rate: 0.13%

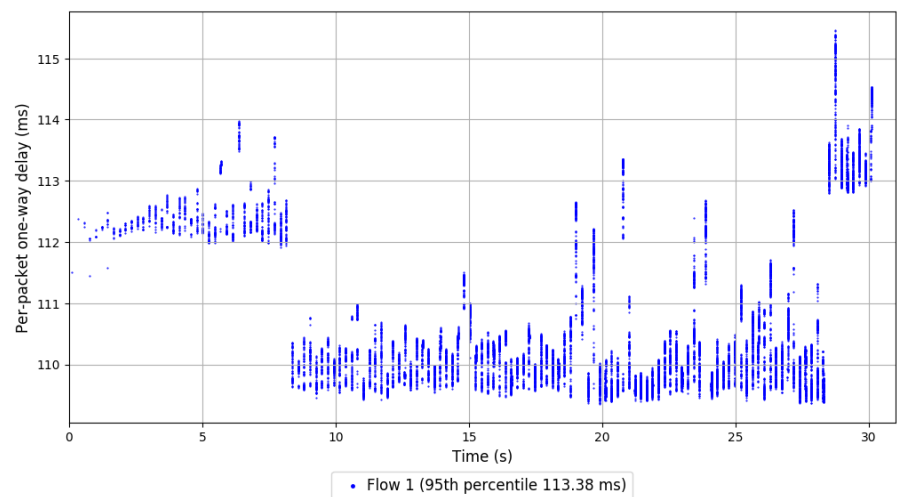
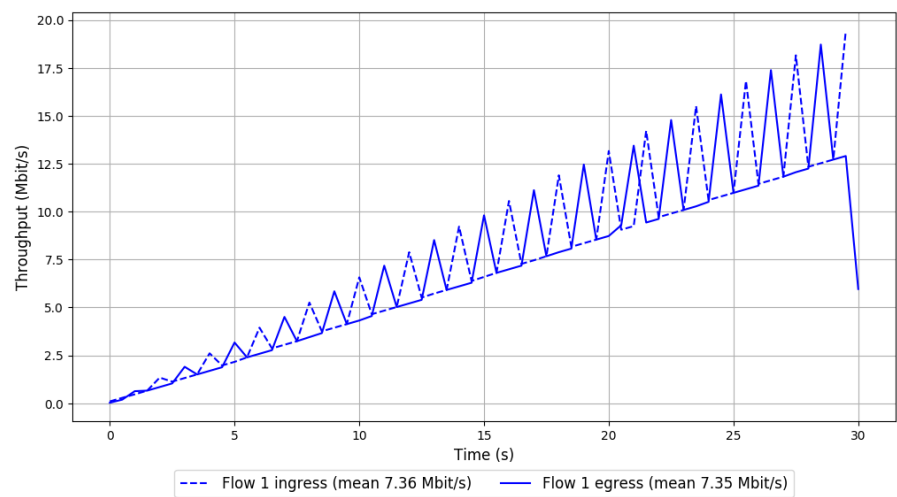
-- Flow 1:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 113.377 ms

Loss rate: 0.13%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-03-05 22:06:44

End at: 2018-03-05 22:07:14

Below is generated by plot.py at 2018-03-06 00:17:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 114.269 ms

Loss rate: 0.00%

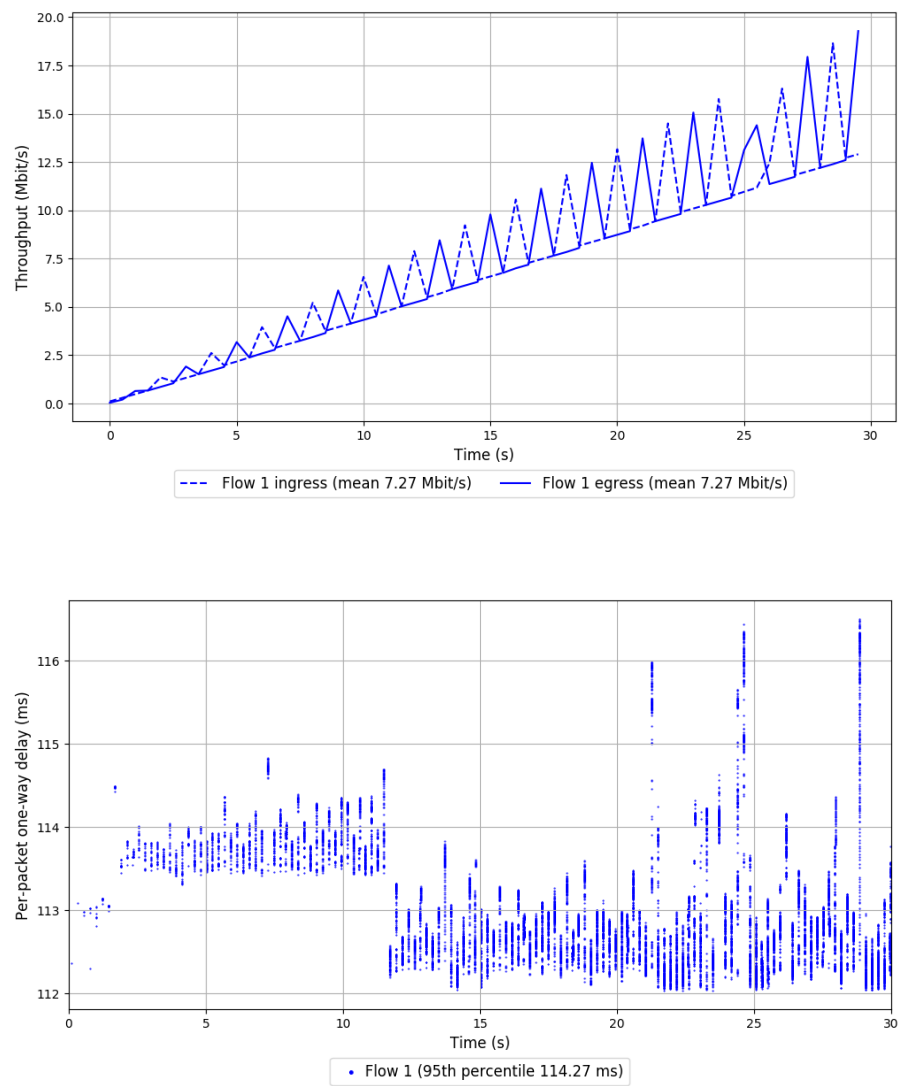
-- Flow 1:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 114.269 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-03-05 22:22:02

End at: 2018-03-05 22:22:32

Below is generated by plot.py at 2018-03-06 00:17:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 114.710 ms

Loss rate: 0.00%

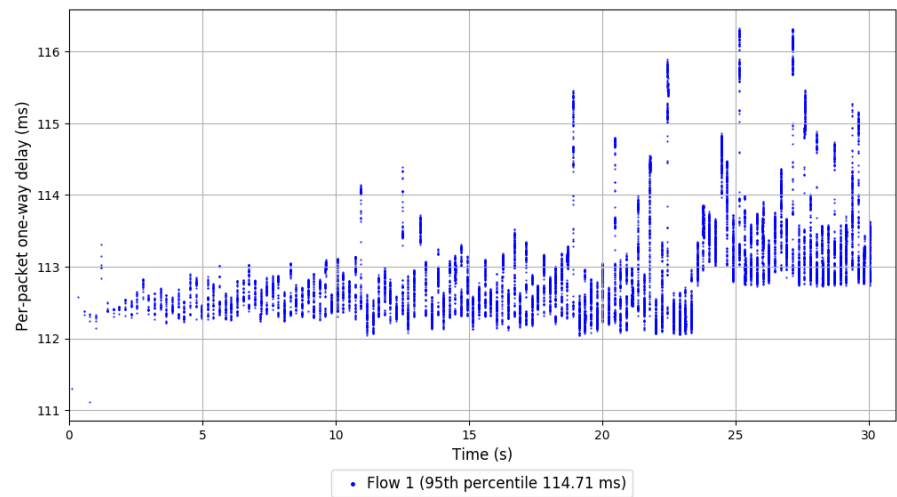
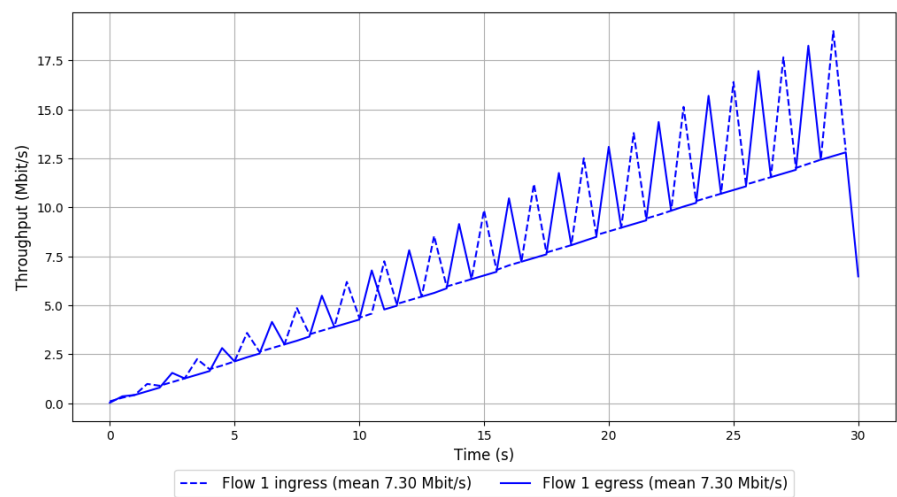
-- Flow 1:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 114.710 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-03-05 22:37:28

End at: 2018-03-05 22:37:58

Below is generated by plot.py at 2018-03-06 00:17:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 114.780 ms

Loss rate: 0.00%

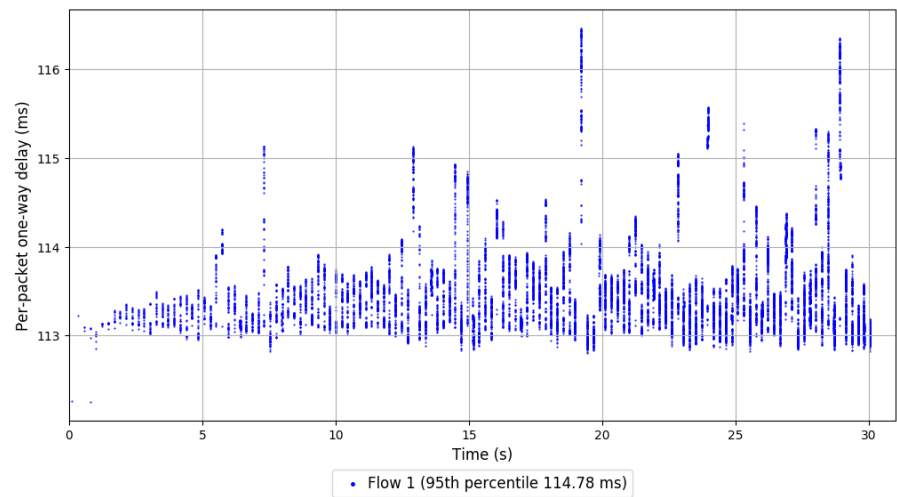
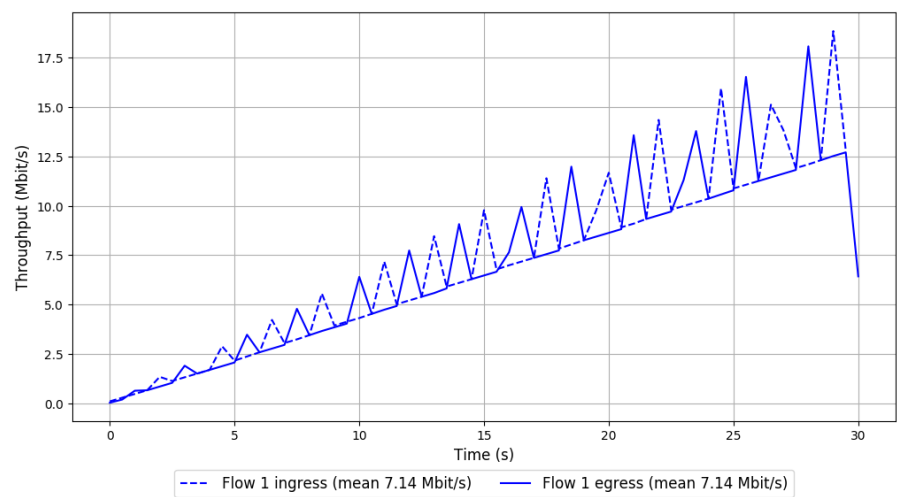
-- Flow 1:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 114.780 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-03-05 22:53:00

End at: 2018-03-05 22:53:30

Below is generated by plot.py at 2018-03-06 00:17:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 114.718 ms

Loss rate: 0.00%

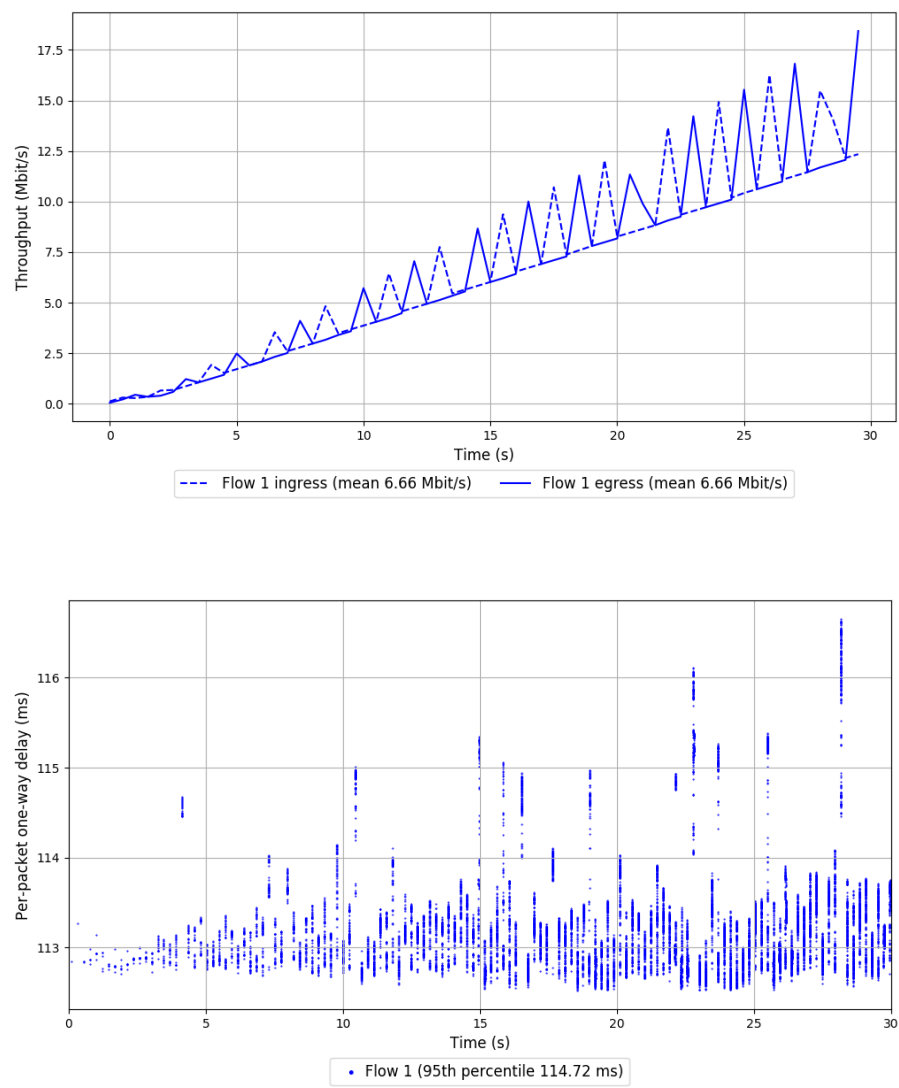
-- Flow 1:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 114.718 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

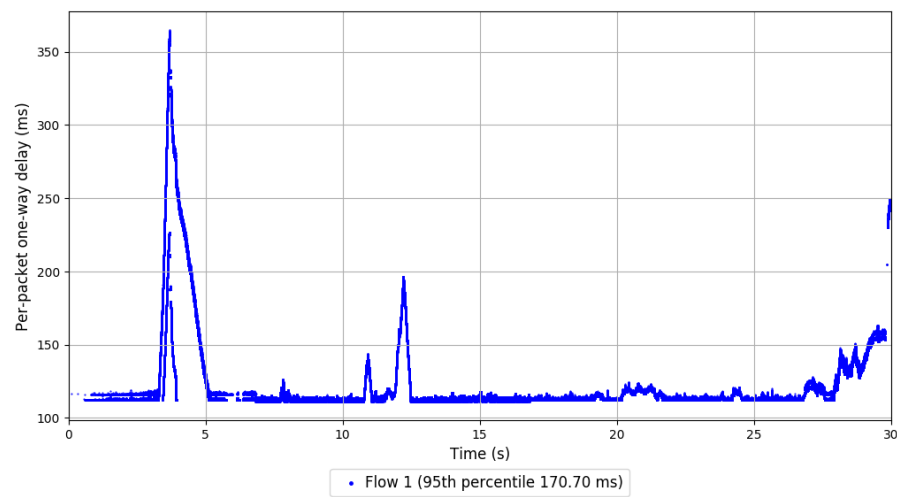
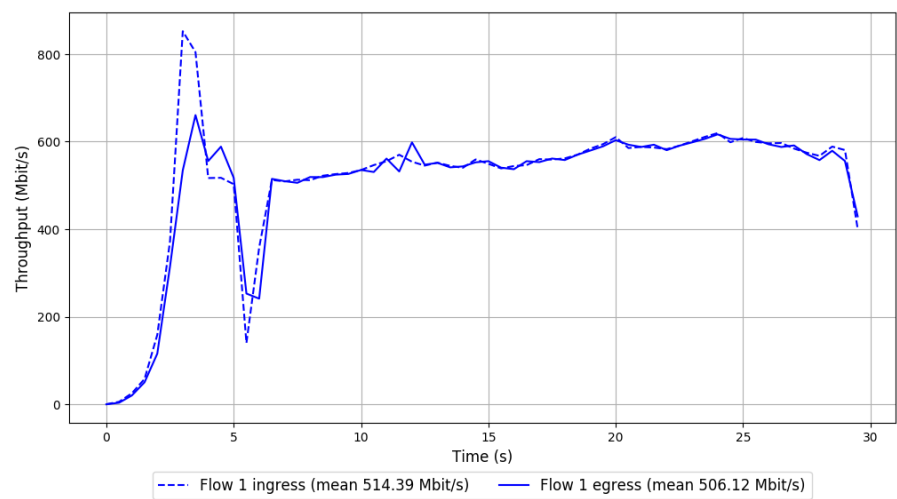


```
Run 1: Statistics of PCC

Start at: 2018-03-05 20:20:38
End at: 2018-03-05 20:21:08

# Below is generated by plot.py at 2018-03-06 00:24:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 506.12 Mbit/s
95th percentile per-packet one-way delay: 170.697 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 506.12 Mbit/s
95th percentile per-packet one-way delay: 170.697 ms
Loss rate: 1.61%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-05 20:35:56

End at: 2018-03-05 20:36:26

Below is generated by plot.py at 2018-03-06 00:24:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.62 Mbit/s

95th percentile per-packet one-way delay: 173.236 ms

Loss rate: 1.19%

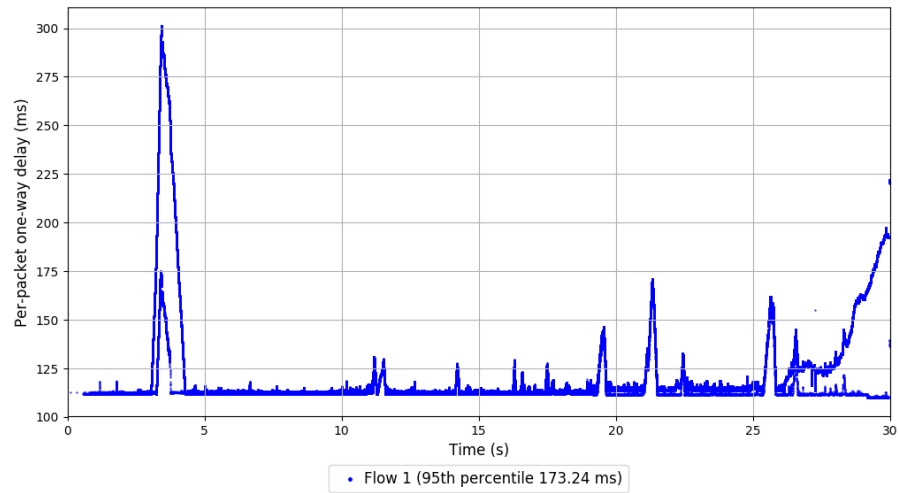
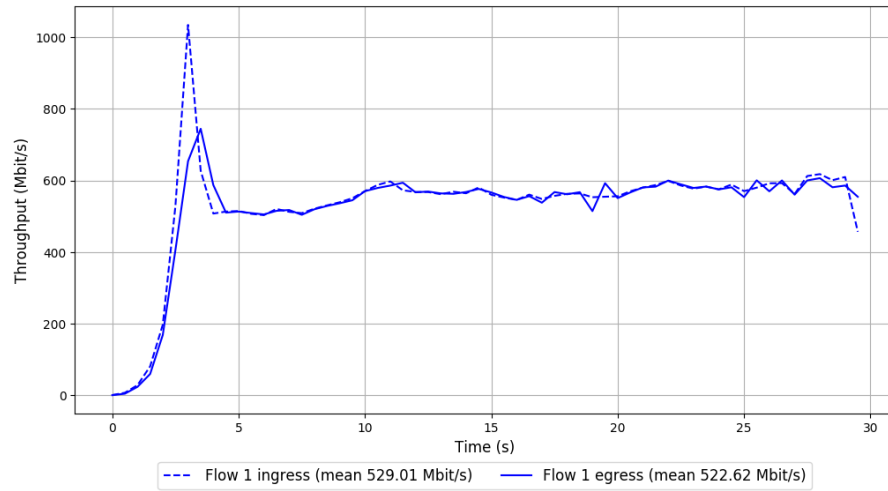
-- Flow 1:

Average throughput: 522.62 Mbit/s

95th percentile per-packet one-way delay: 173.236 ms

Loss rate: 1.19%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-03-05 20:51:17

End at: 2018-03-05 20:51:47

Below is generated by plot.py at 2018-03-06 00:24:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 516.70 Mbit/s

95th percentile per-packet one-way delay: 162.522 ms

Loss rate: 0.90%

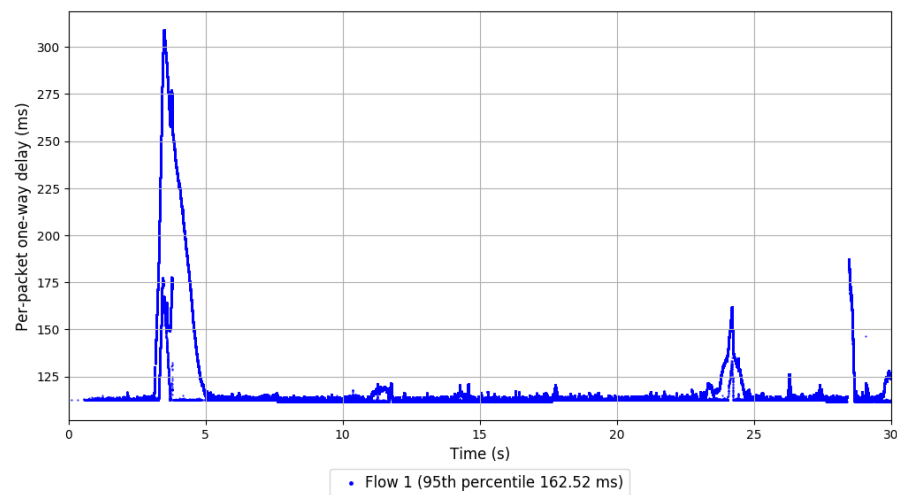
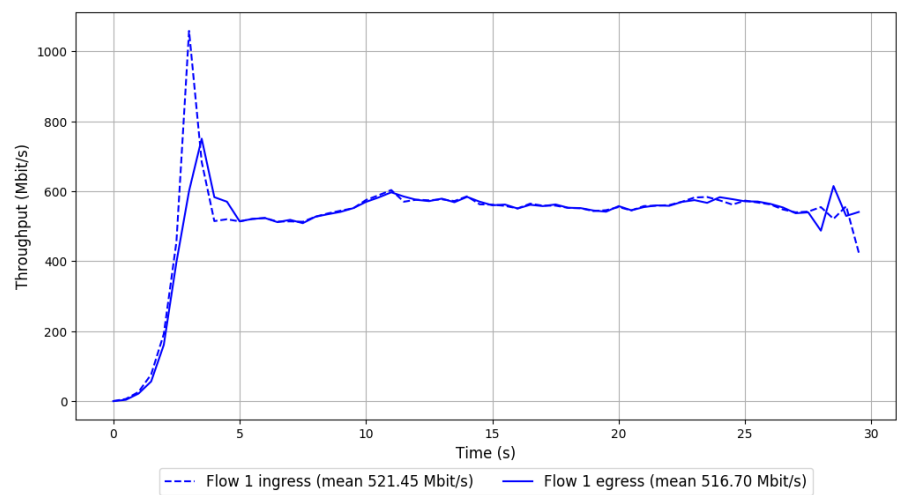
-- Flow 1:

Average throughput: 516.70 Mbit/s

95th percentile per-packet one-way delay: 162.522 ms

Loss rate: 0.90%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-03-05 21:06:43

End at: 2018-03-05 21:07:13

Below is generated by plot.py at 2018-03-06 00:24:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.00 Mbit/s

95th percentile per-packet one-way delay: 127.911 ms

Loss rate: 0.72%

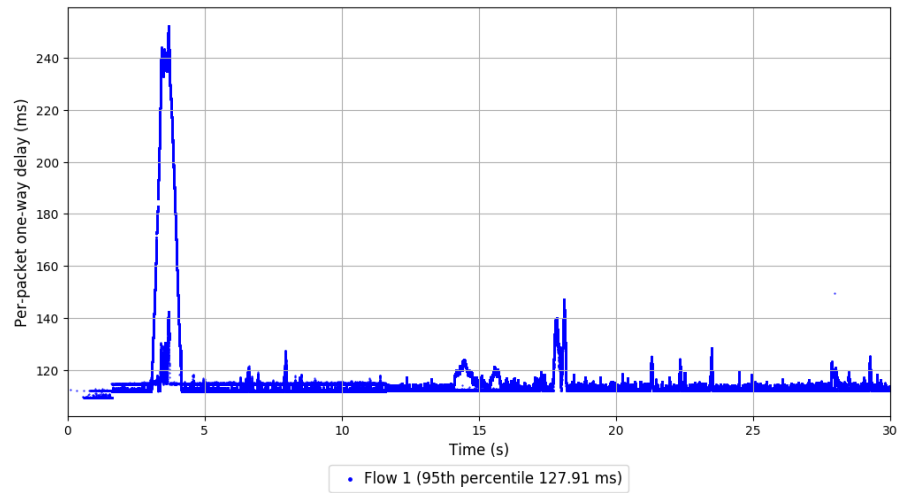
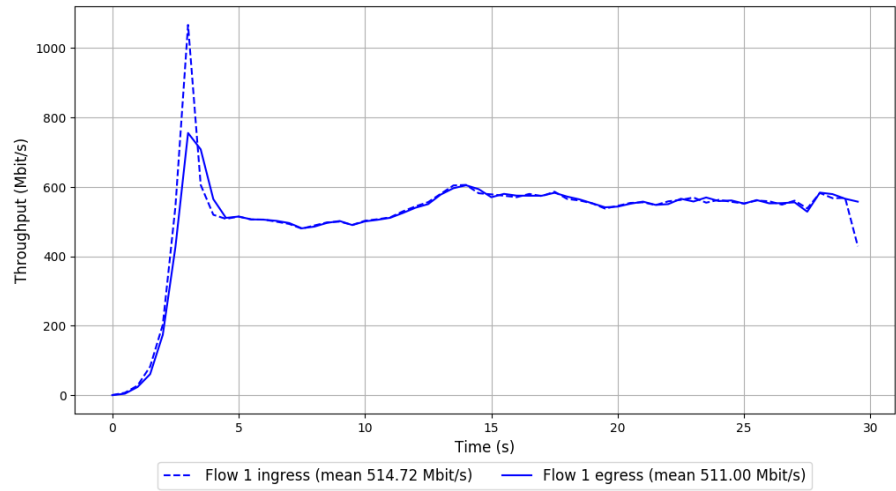
-- Flow 1:

Average throughput: 511.00 Mbit/s

95th percentile per-packet one-way delay: 127.911 ms

Loss rate: 0.72%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-03-05 21:22:19

End at: 2018-03-05 21:22:49

Below is generated by plot.py at 2018-03-06 00:24:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 447.08 Mbit/s

95th percentile per-packet one-way delay: 286.807 ms

Loss rate: 2.75%

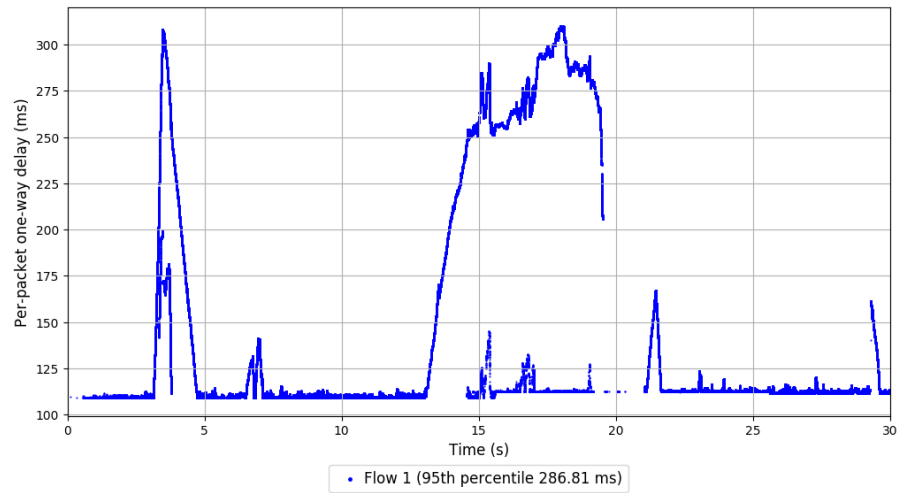
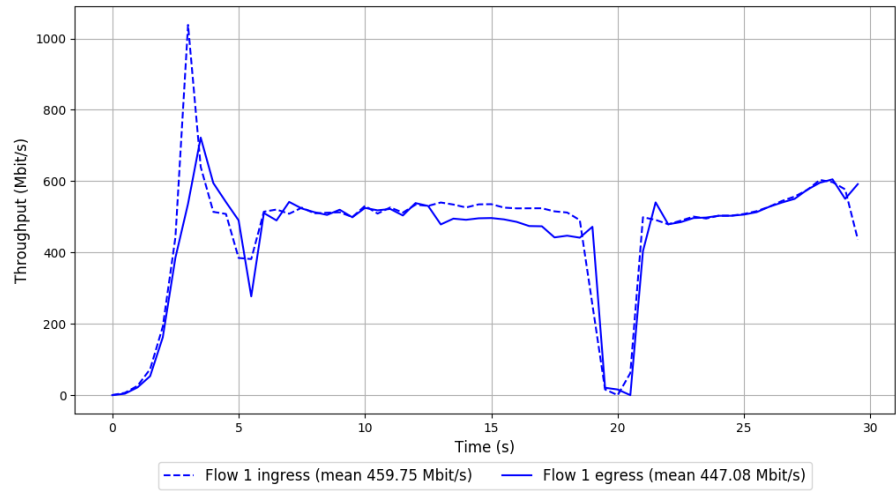
-- Flow 1:

Average throughput: 447.08 Mbit/s

95th percentile per-packet one-way delay: 286.807 ms

Loss rate: 2.75%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-03-05 21:37:57

End at: 2018-03-05 21:38:27

Below is generated by plot.py at 2018-03-06 00:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.13 Mbit/s

95th percentile per-packet one-way delay: 141.558 ms

Loss rate: 0.79%

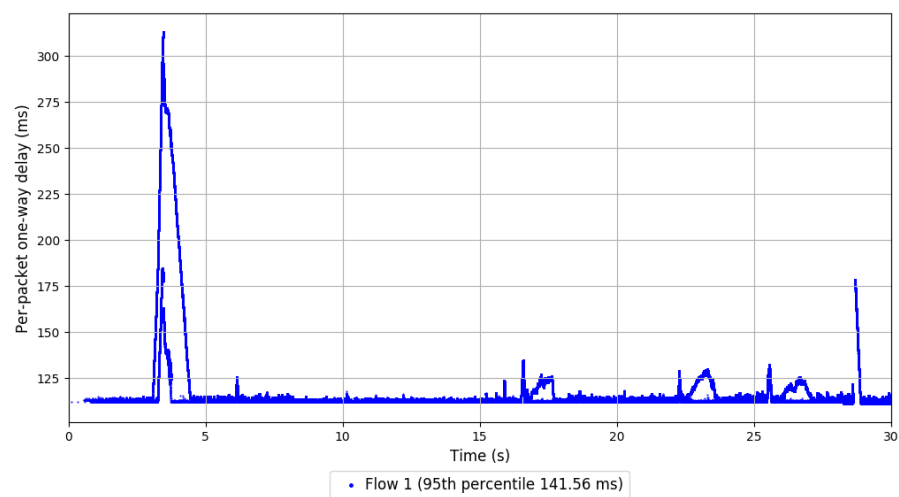
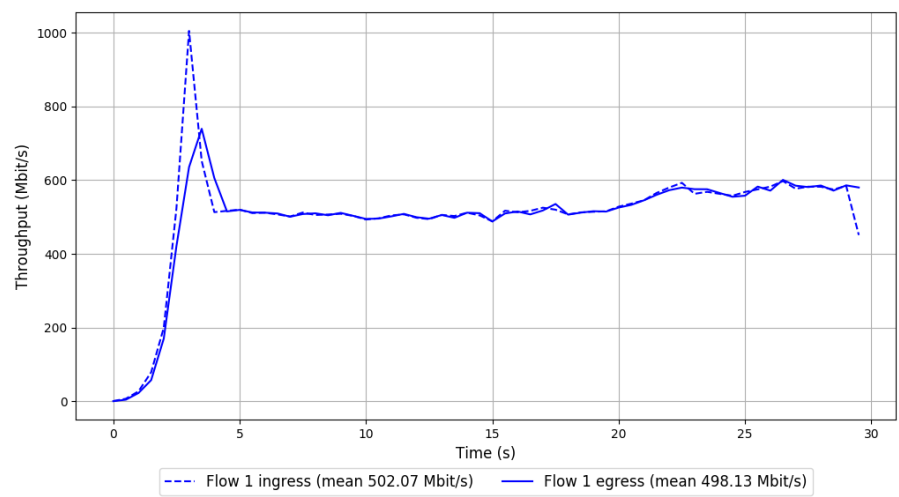
-- Flow 1:

Average throughput: 498.13 Mbit/s

95th percentile per-packet one-way delay: 141.558 ms

Loss rate: 0.79%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-03-05 21:53:32

End at: 2018-03-05 21:54:02

Below is generated by plot.py at 2018-03-06 00:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.22 Mbit/s

95th percentile per-packet one-way delay: 148.894 ms

Loss rate: 0.82%

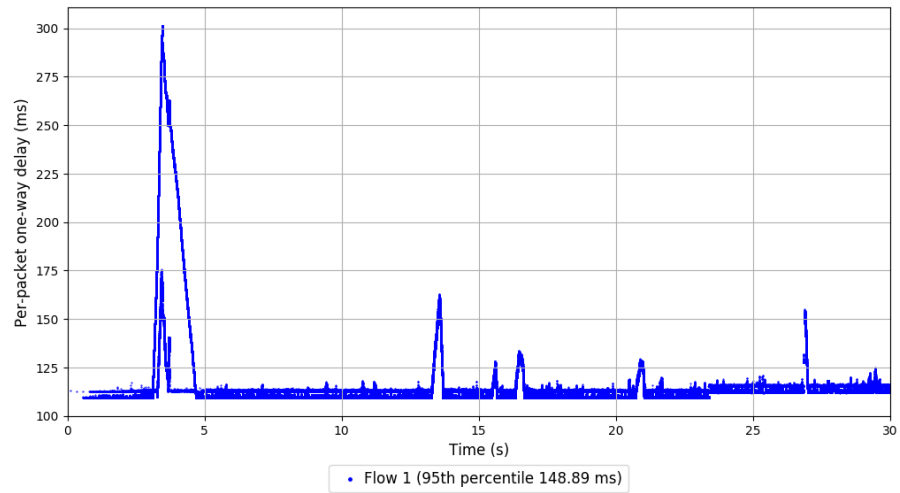
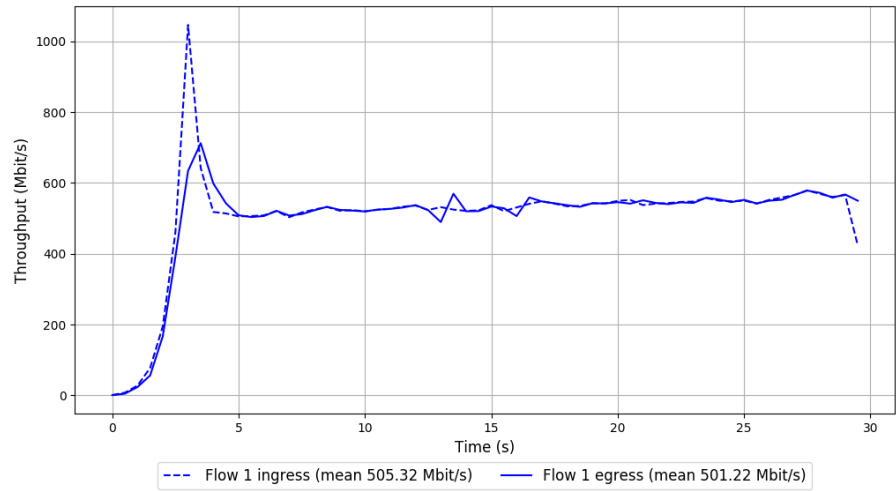
-- Flow 1:

Average throughput: 501.22 Mbit/s

95th percentile per-packet one-way delay: 148.894 ms

Loss rate: 0.82%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-05 22:08:31

End at: 2018-03-05 22:09:01

Below is generated by plot.py at 2018-03-06 00:26:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 524.68 Mbit/s

95th percentile per-packet one-way delay: 249.100 ms

Loss rate: 3.36%

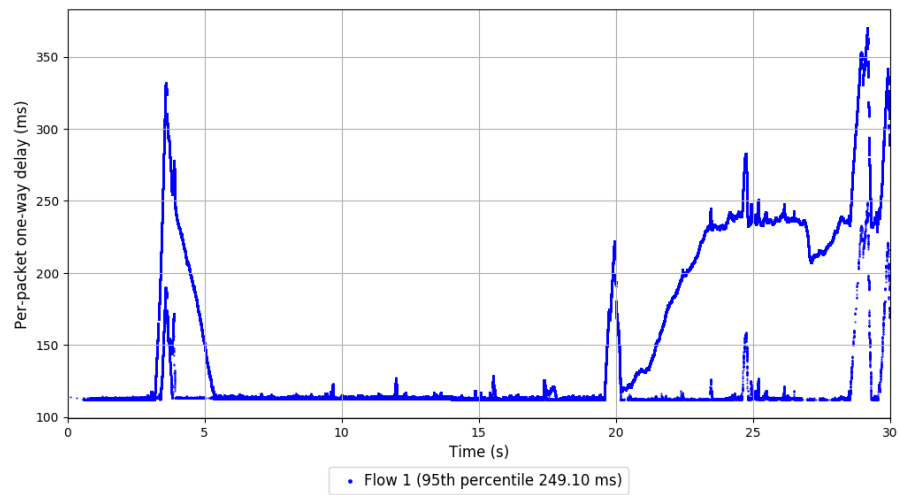
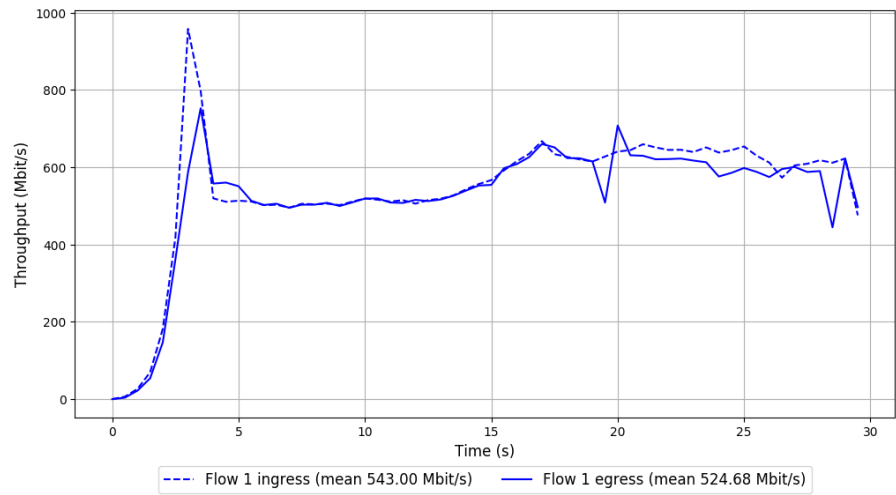
-- Flow 1:

Average throughput: 524.68 Mbit/s

95th percentile per-packet one-way delay: 249.100 ms

Loss rate: 3.36%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-05 22:23:49

End at: 2018-03-05 22:24:19

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.88 Mbit/s

95th percentile per-packet one-way delay: 263.203 ms

Loss rate: 2.84%

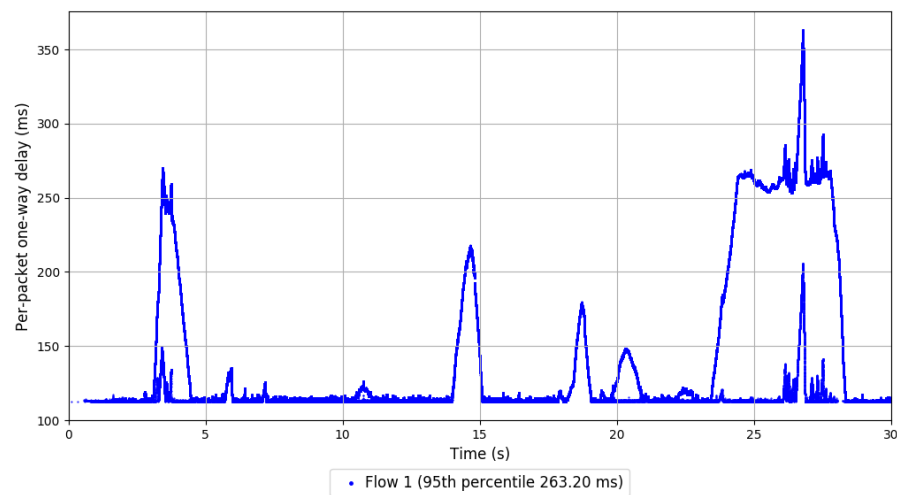
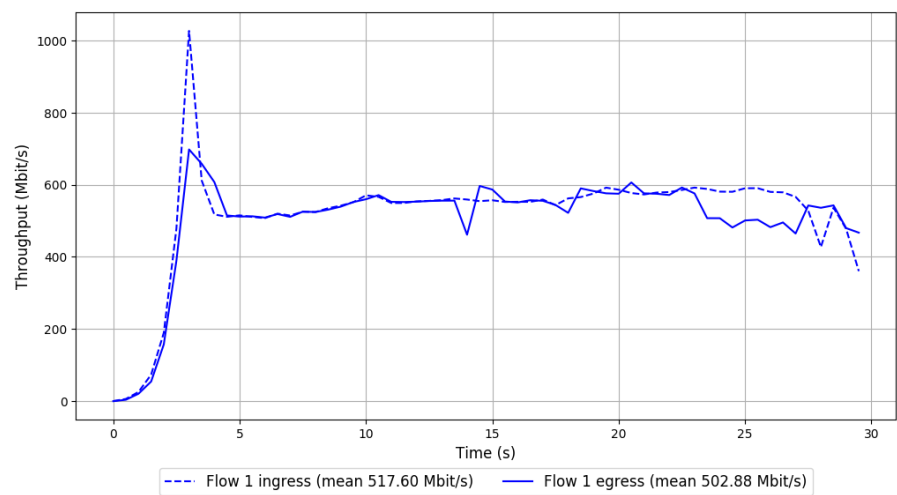
-- Flow 1:

Average throughput: 502.88 Mbit/s

95th percentile per-packet one-way delay: 263.203 ms

Loss rate: 2.84%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-05 22:39:11

End at: 2018-03-05 22:39:41

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 484.27 Mbit/s

95th percentile per-packet one-way delay: 167.441 ms

Loss rate: 0.96%

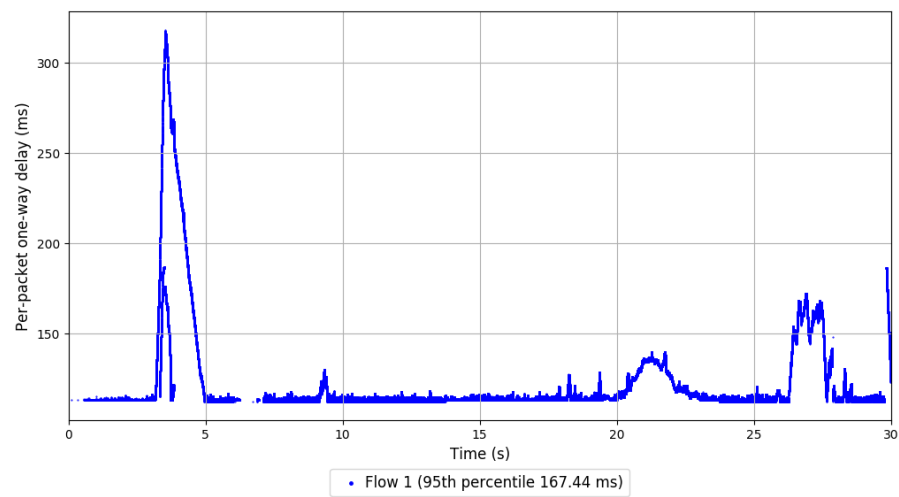
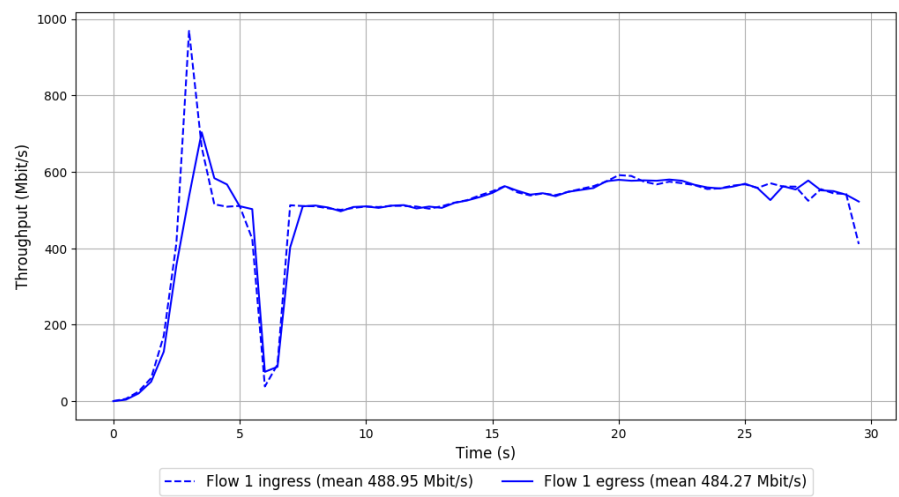
-- Flow 1:

Average throughput: 484.27 Mbit/s

95th percentile per-packet one-way delay: 167.441 ms

Loss rate: 0.96%

Run 10: Report of PCC — Data Link

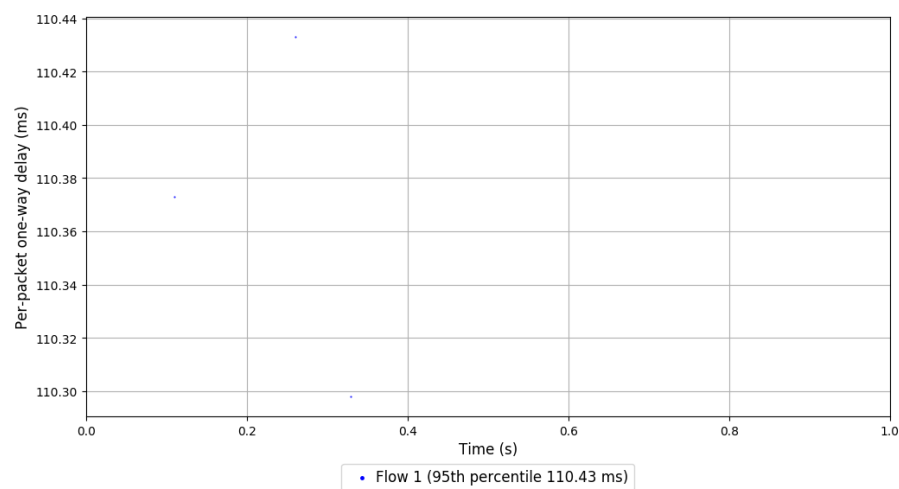
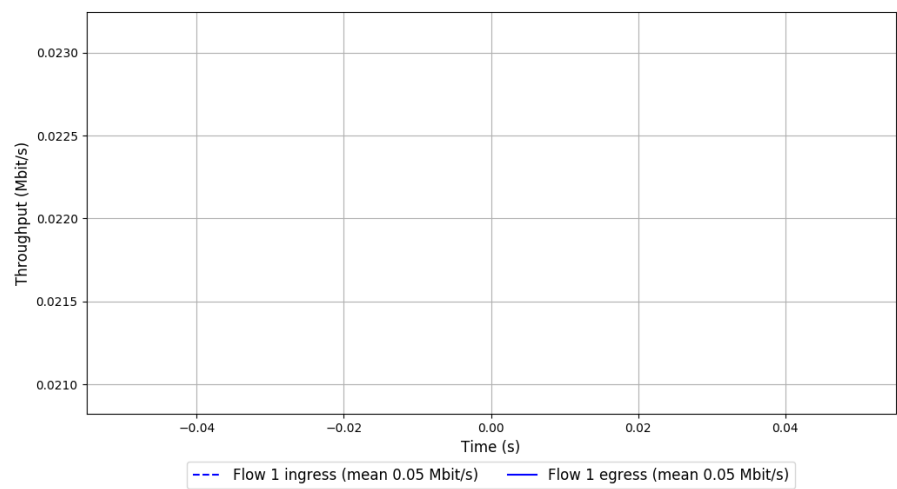


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-05 20:32:52

End at: 2018-03-05 20:33:22

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-05 20:48:05

End at: 2018-03-05 20:48:35

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.81 Mbit/s

95th percentile per-packet one-way delay: 112.636 ms

Loss rate: 0.00%

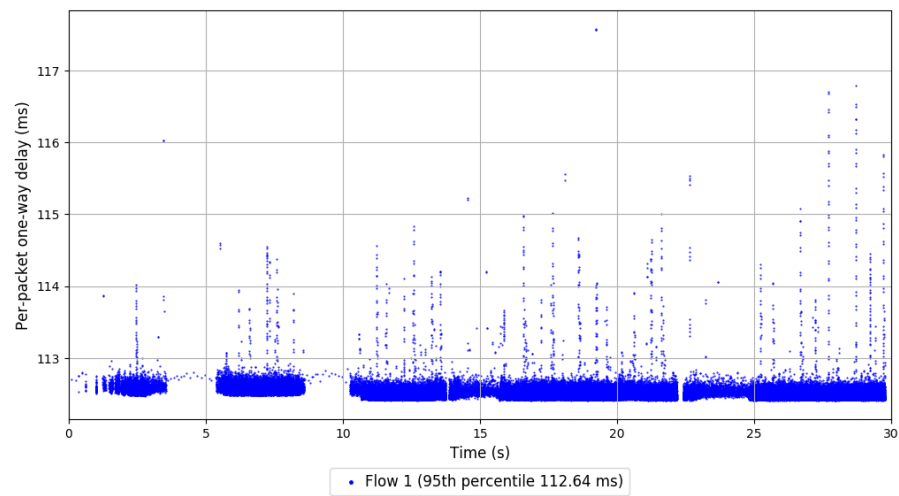
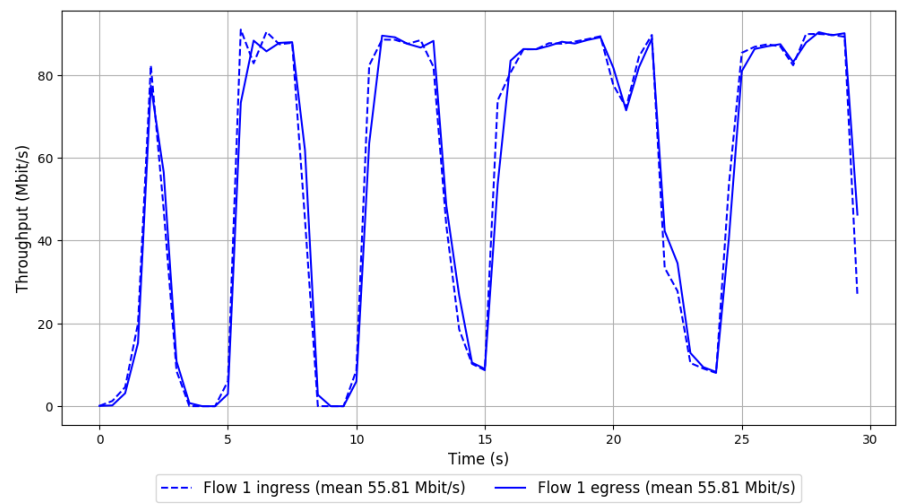
-- Flow 1:

Average throughput: 55.81 Mbit/s

95th percentile per-packet one-way delay: 112.636 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-03-05 21:03:33

End at: 2018-03-05 21:04:03

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.86 Mbit/s

95th percentile per-packet one-way delay: 112.731 ms

Loss rate: 0.00%

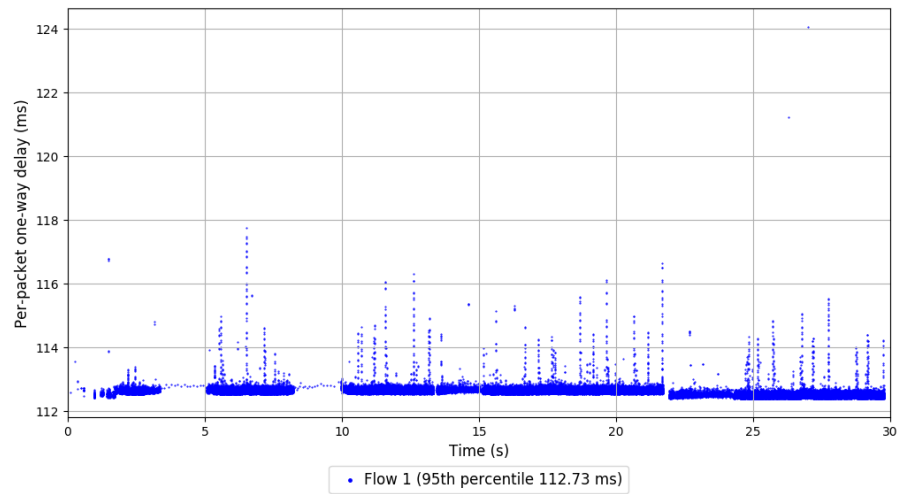
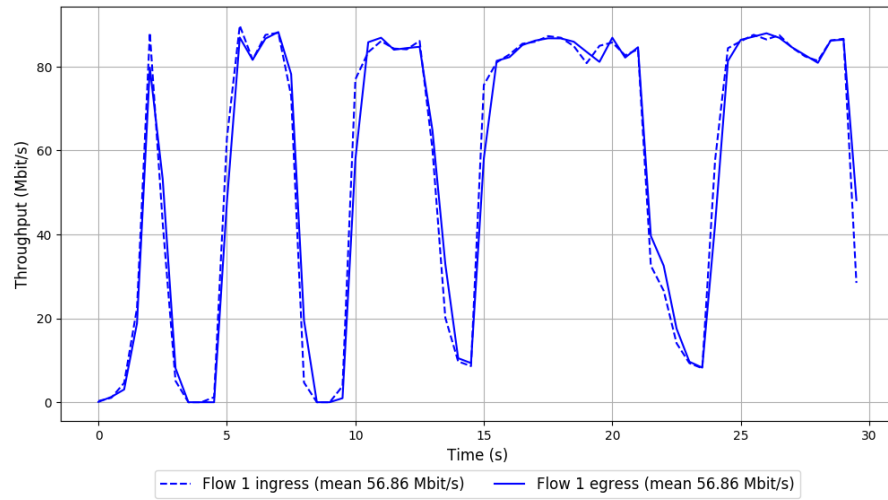
-- Flow 1:

Average throughput: 56.86 Mbit/s

95th percentile per-packet one-way delay: 112.731 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-03-05 21:19:08

End at: 2018-03-05 21:19:38

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.12 Mbit/s

95th percentile per-packet one-way delay: 111.723 ms

Loss rate: 0.00%

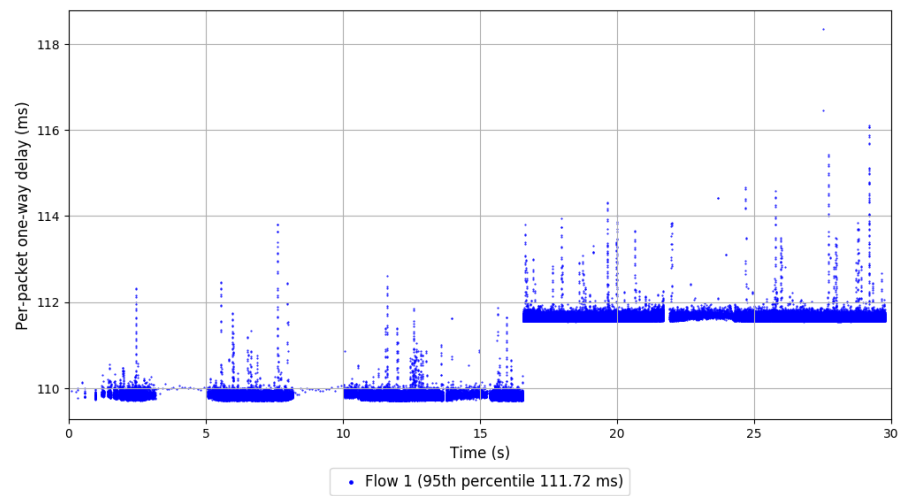
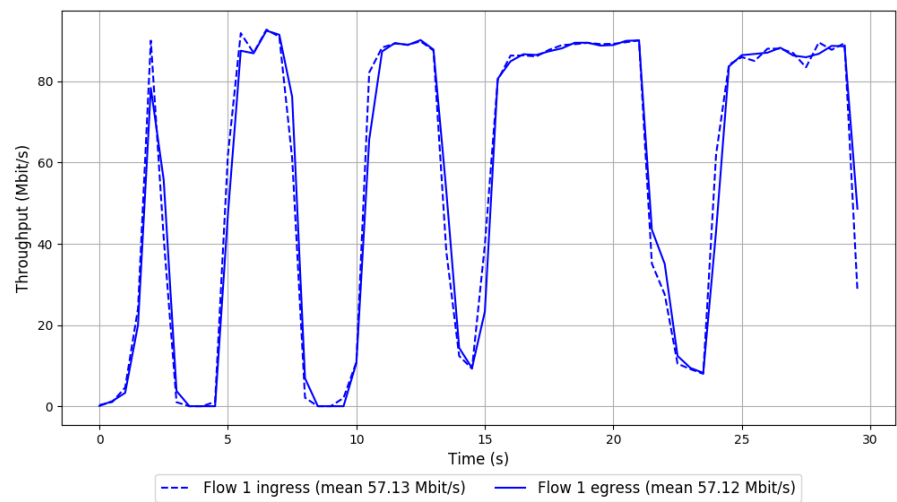
-- Flow 1:

Average throughput: 57.12 Mbit/s

95th percentile per-packet one-way delay: 111.723 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-03-05 21:34:45

End at: 2018-03-05 21:35:15

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.07 Mbit/s

95th percentile per-packet one-way delay: 112.088 ms

Loss rate: 0.00%

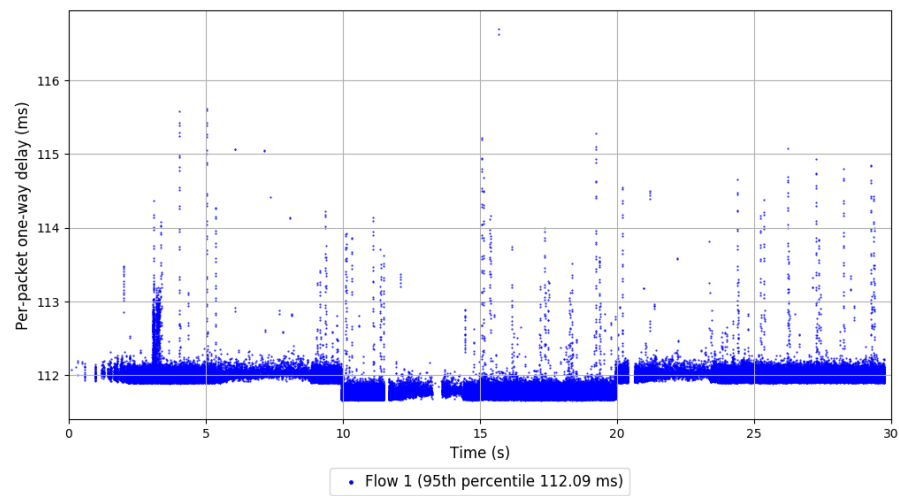
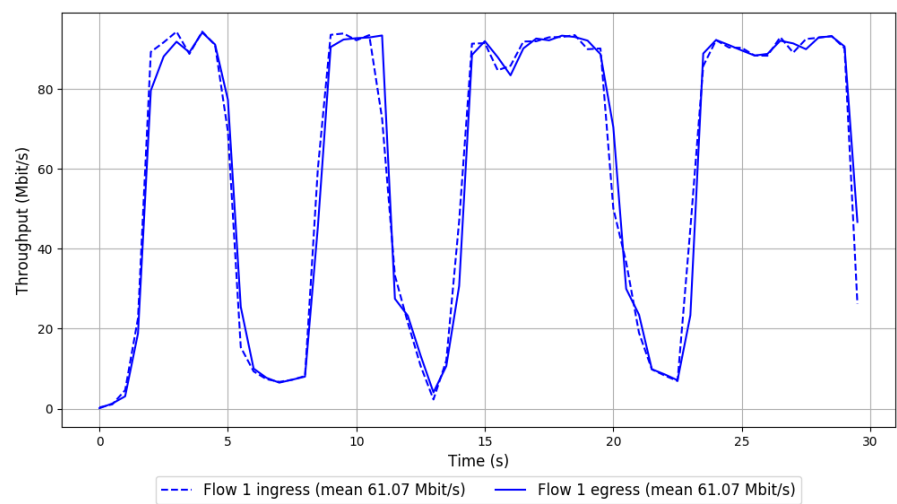
-- Flow 1:

Average throughput: 61.07 Mbit/s

95th percentile per-packet one-way delay: 112.088 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-03-05 21:50:21

End at: 2018-03-05 21:50:52

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.47 Mbit/s

95th percentile per-packet one-way delay: 112.961 ms

Loss rate: 0.00%

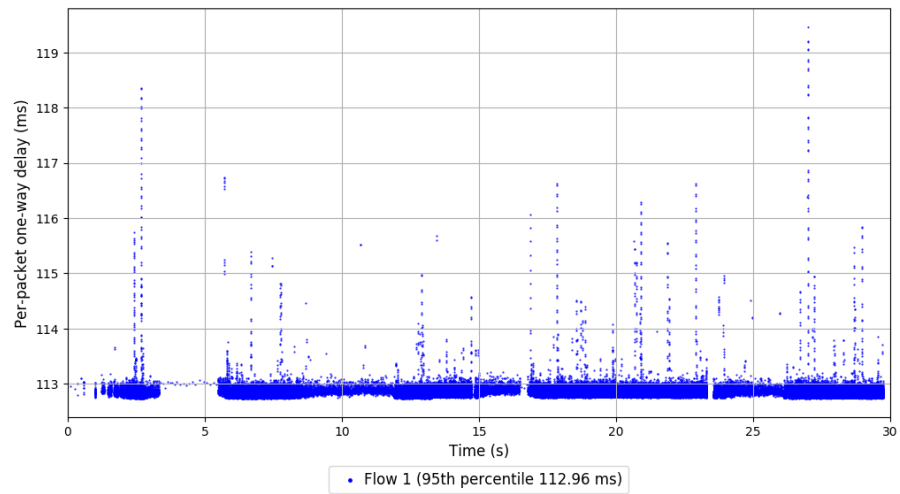
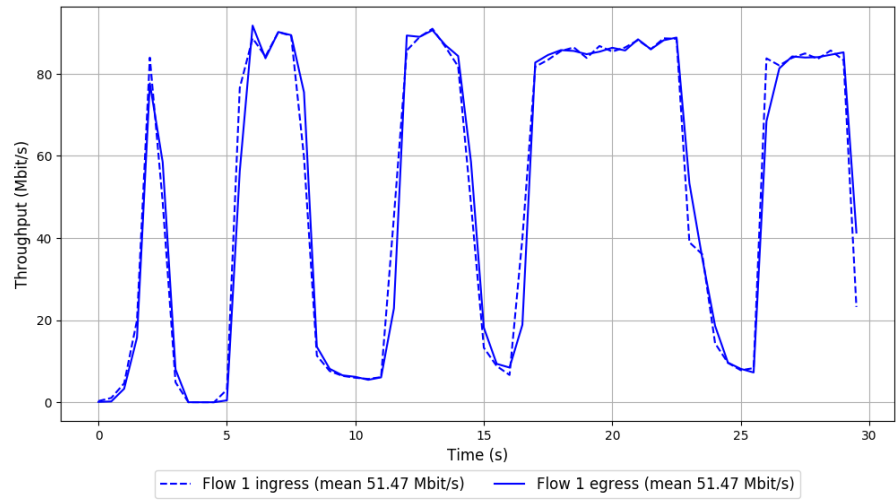
-- Flow 1:

Average throughput: 51.47 Mbit/s

95th percentile per-packet one-way delay: 112.961 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-03-05 22:05:19

End at: 2018-03-05 22:05:49

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.36 Mbit/s

95th percentile per-packet one-way delay: 112.132 ms

Loss rate: 0.00%

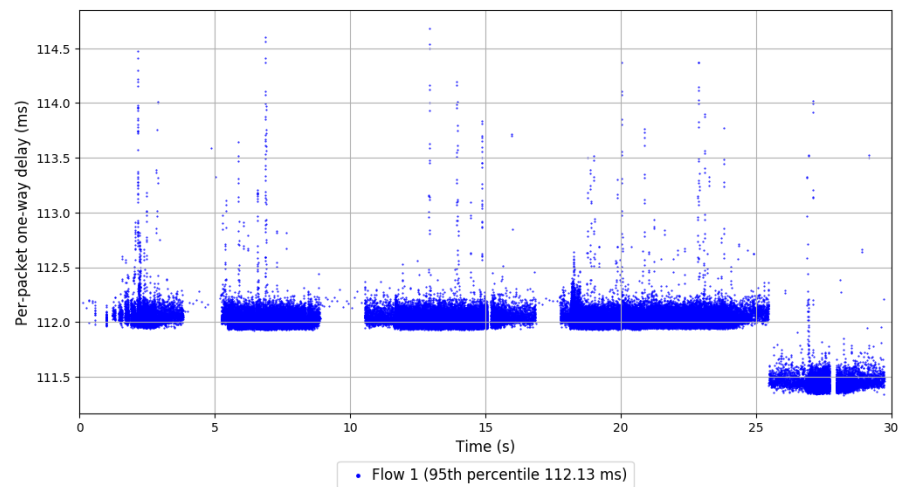
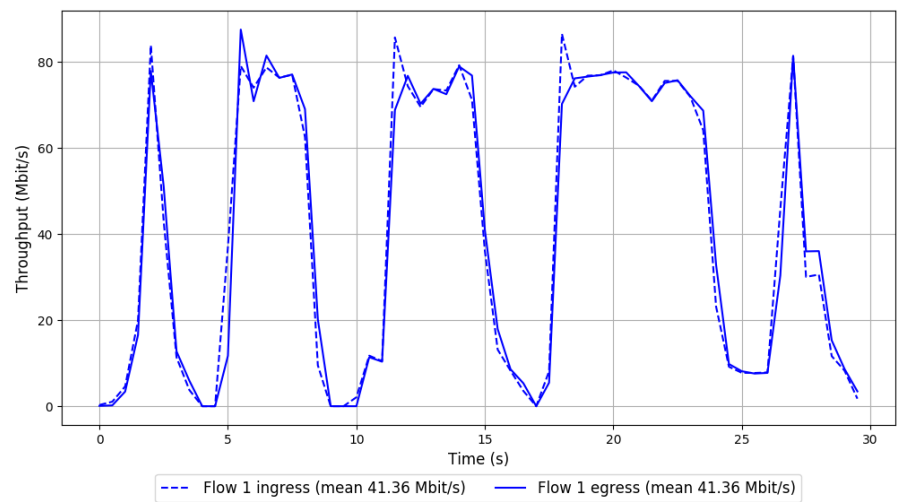
-- Flow 1:

Average throughput: 41.36 Mbit/s

95th percentile per-packet one-way delay: 112.132 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

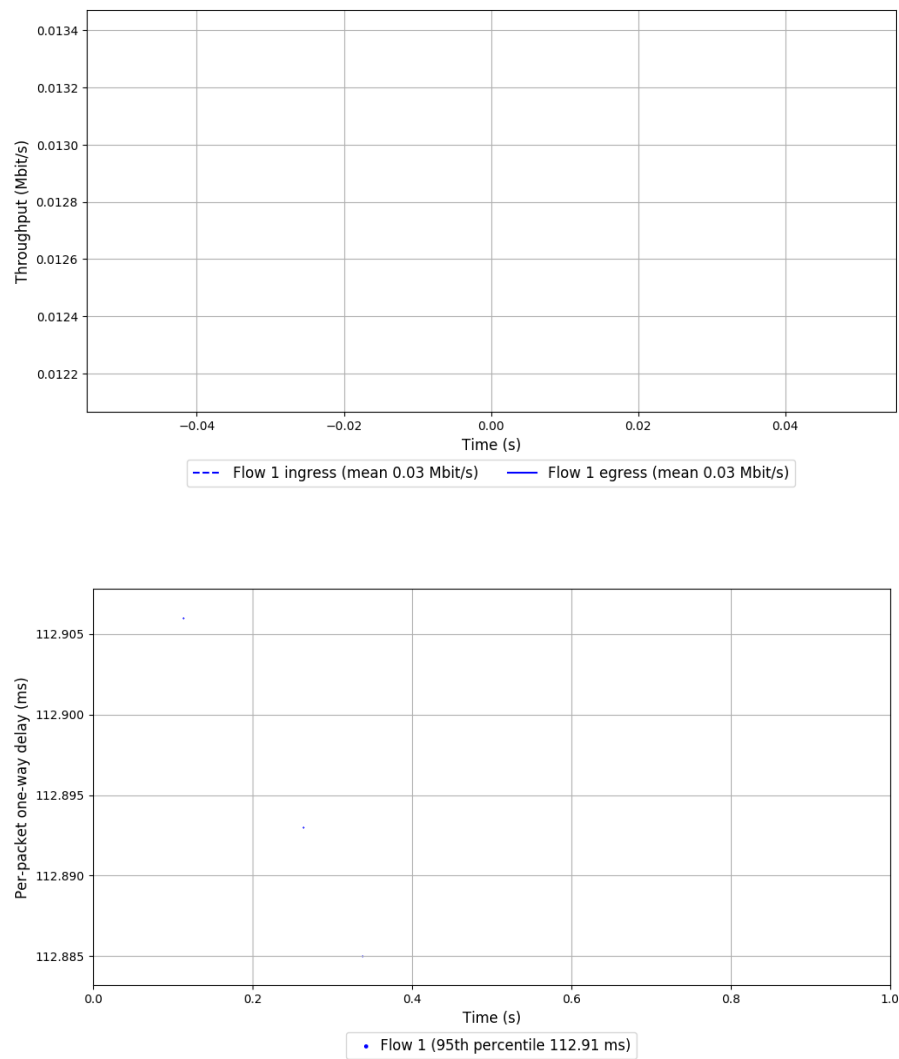


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-05 22:20:40

End at: 2018-03-05 22:21:10

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-03-05 22:36:03

End at: 2018-03-05 22:36:33

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.66 Mbit/s

95th percentile per-packet one-way delay: 112.969 ms

Loss rate: 0.00%

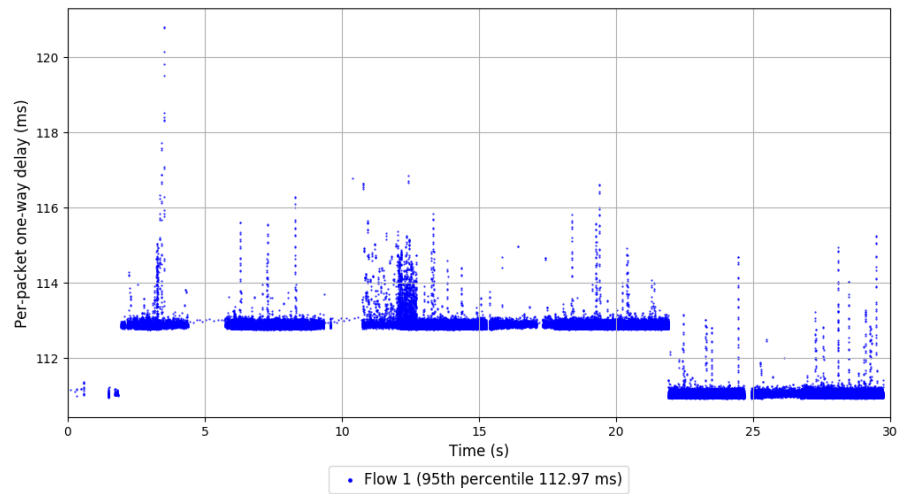
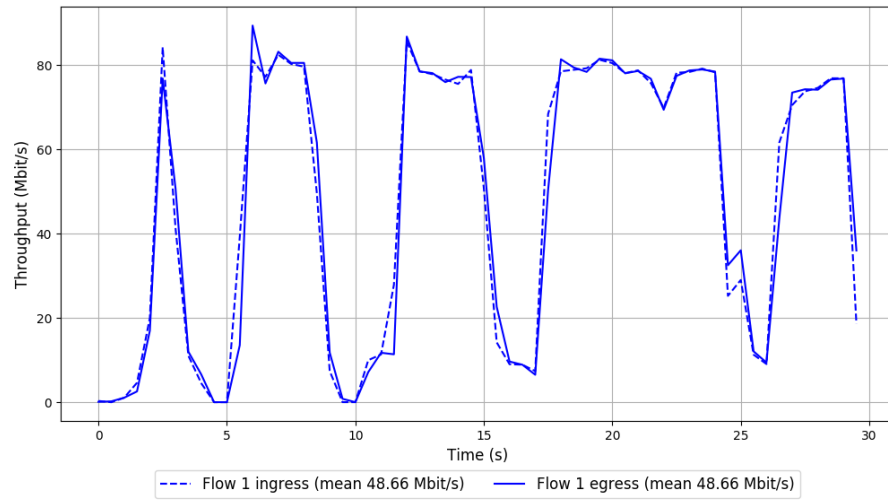
-- Flow 1:

Average throughput: 48.66 Mbit/s

95th percentile per-packet one-way delay: 112.969 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-03-05 22:51:36

End at: 2018-03-05 22:52:06

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.20 Mbit/s

95th percentile per-packet one-way delay: 112.954 ms

Loss rate: 0.01%

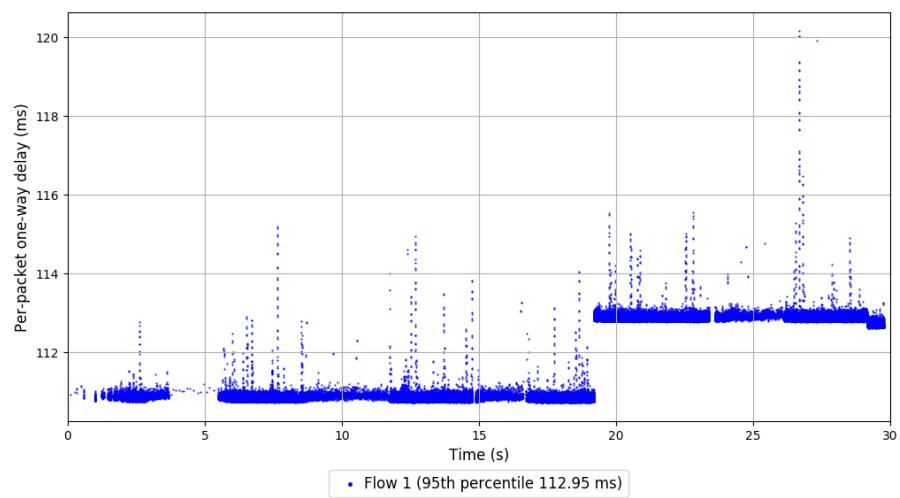
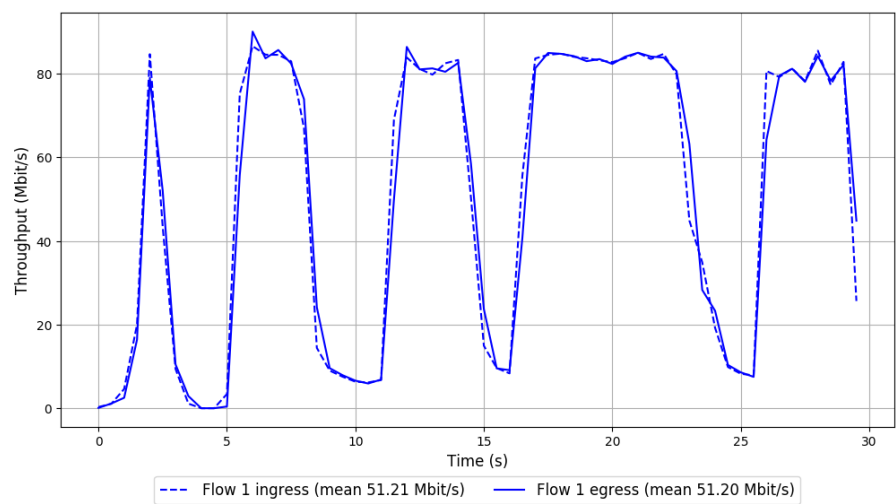
-- Flow 1:

Average throughput: 51.20 Mbit/s

95th percentile per-packet one-way delay: 112.954 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

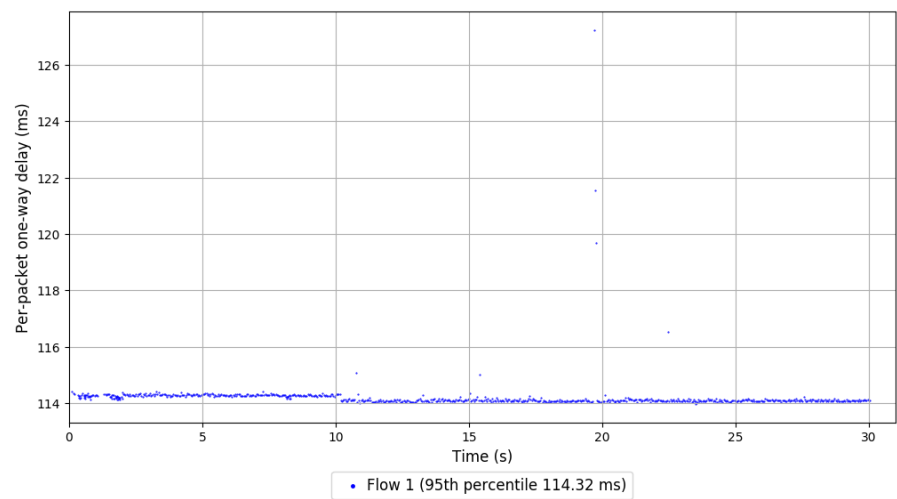
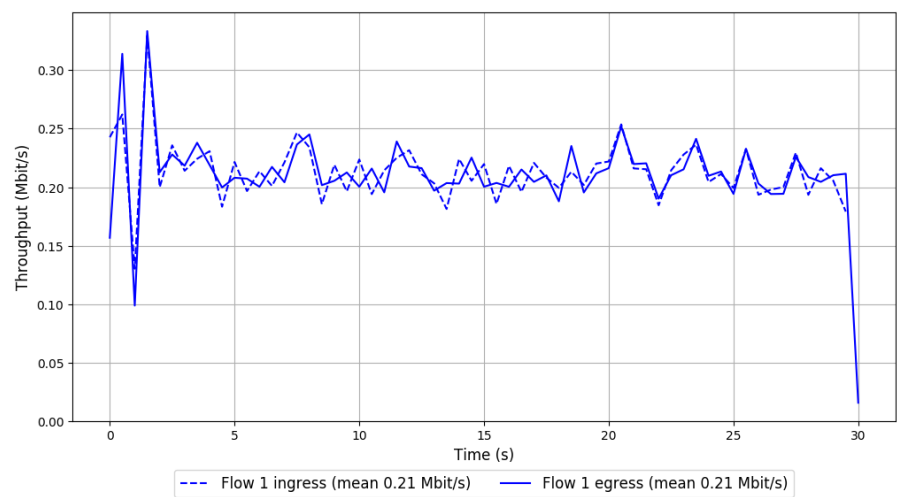


```
Run 1: Statistics of SCReAM

Start at: 2018-03-05 20:25:05
End at: 2018-03-05 20:25:35

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.319 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

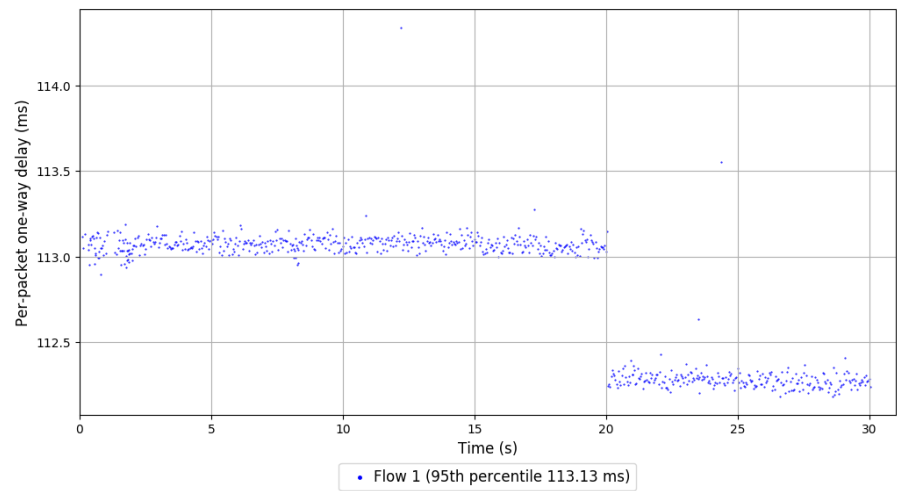
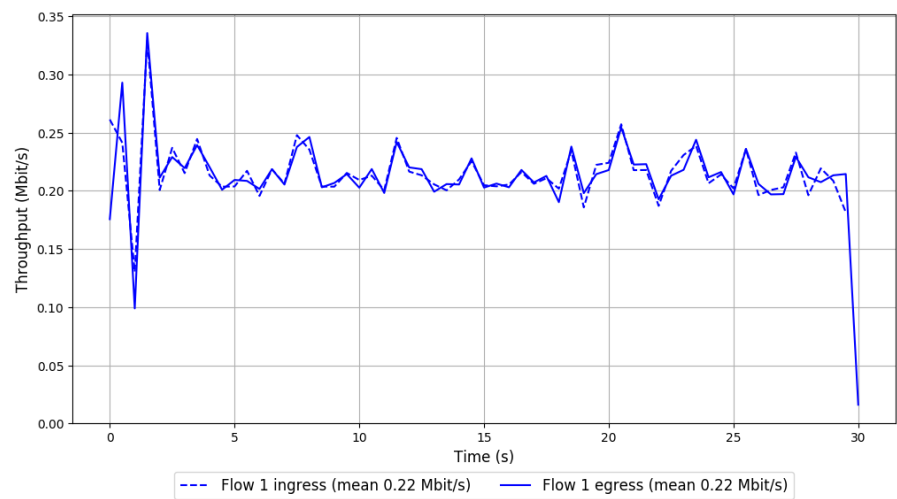


```
Run 2: Statistics of SCReAM

Start at: 2018-03-05 20:40:25
End at: 2018-03-05 20:40:55

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.133 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-03-05 20:55:48

End at: 2018-03-05 20:56:18

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.721 ms

Loss rate: 0.00%

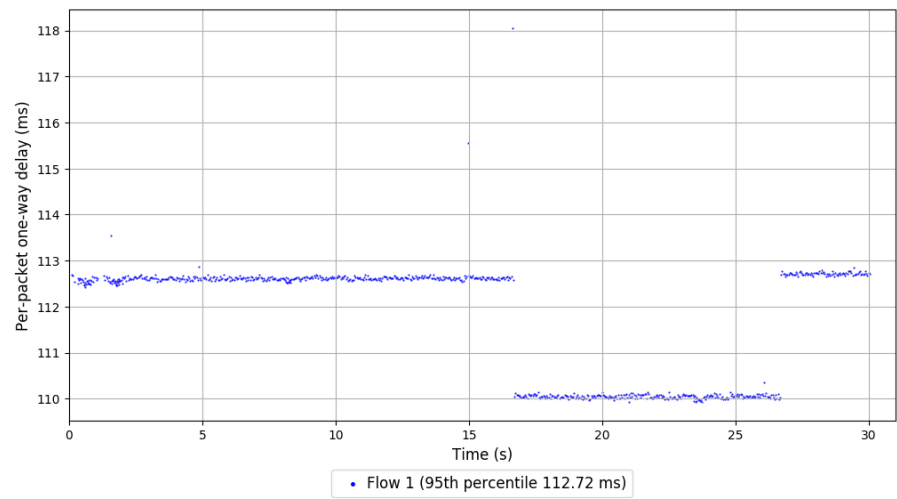
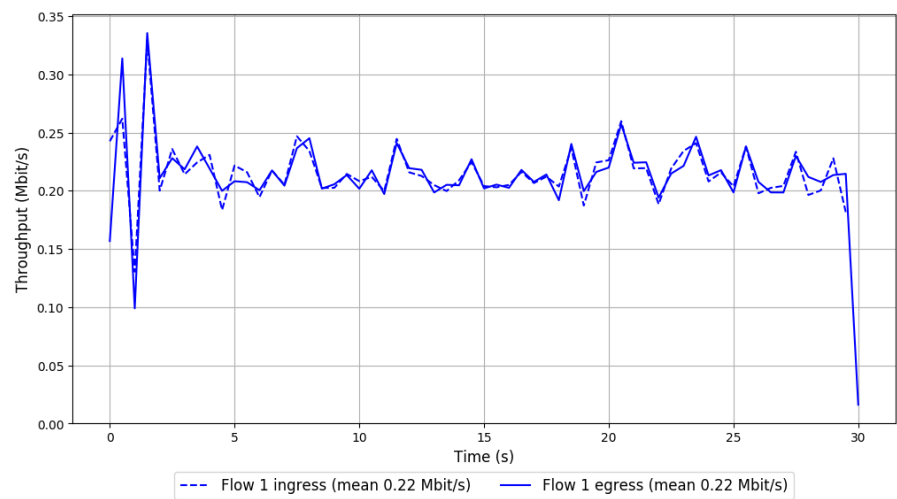
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.721 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

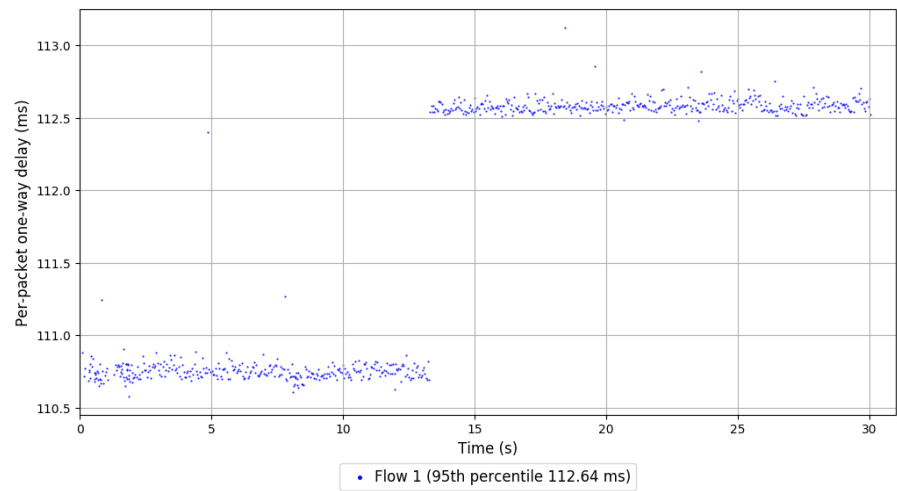
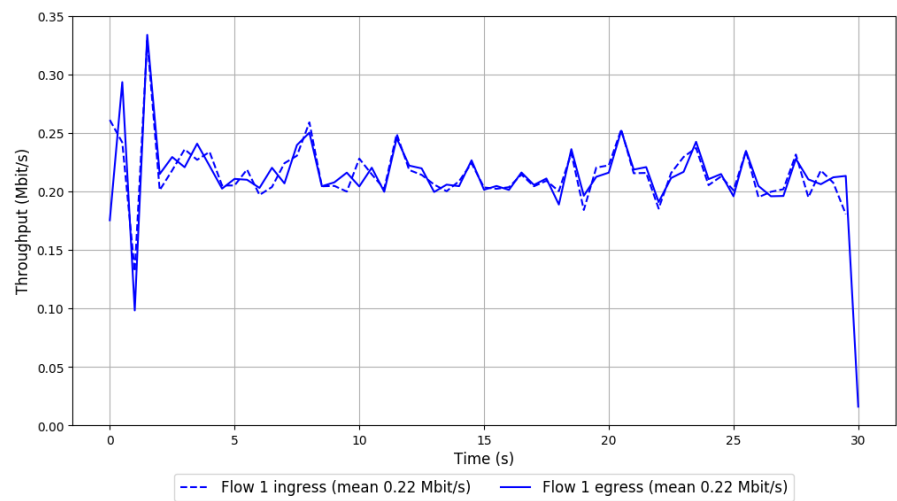


```
Run 4: Statistics of SCReAM

Start at: 2018-03-05 21:11:12
End at: 2018-03-05 21:11:42

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.641 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-03-05 21:27:11

End at: 2018-03-05 21:27:41

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.940 ms

Loss rate: 0.00%

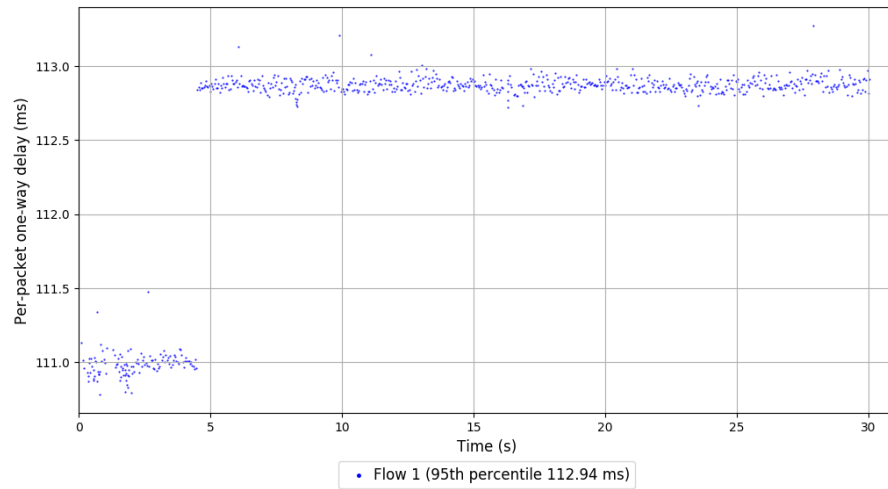
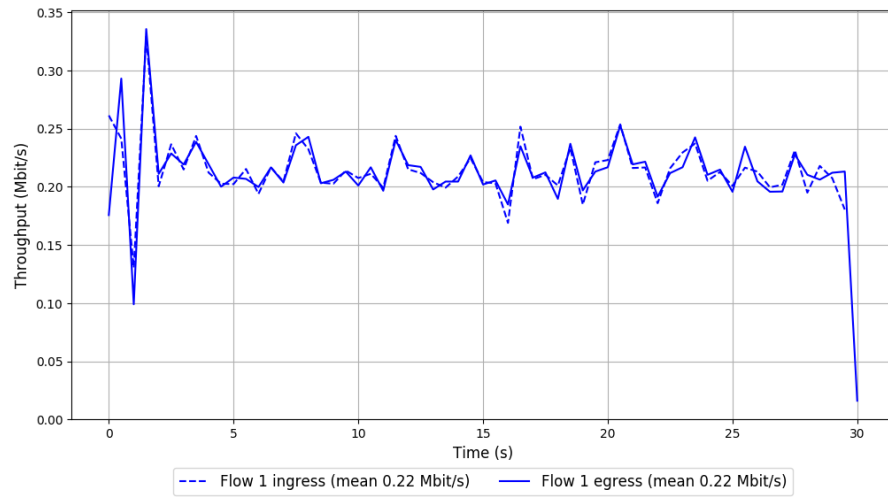
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.940 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-03-05 21:42:26

End at: 2018-03-05 21:42:56

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.892 ms

Loss rate: 0.00%

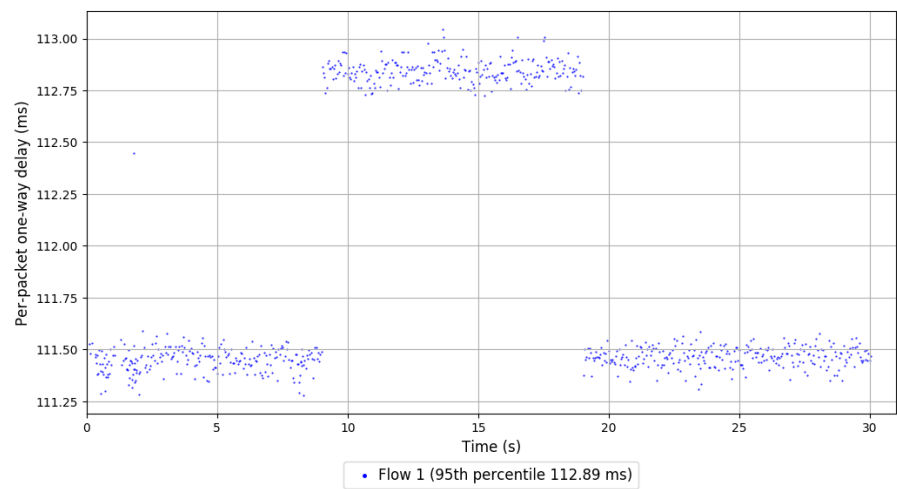
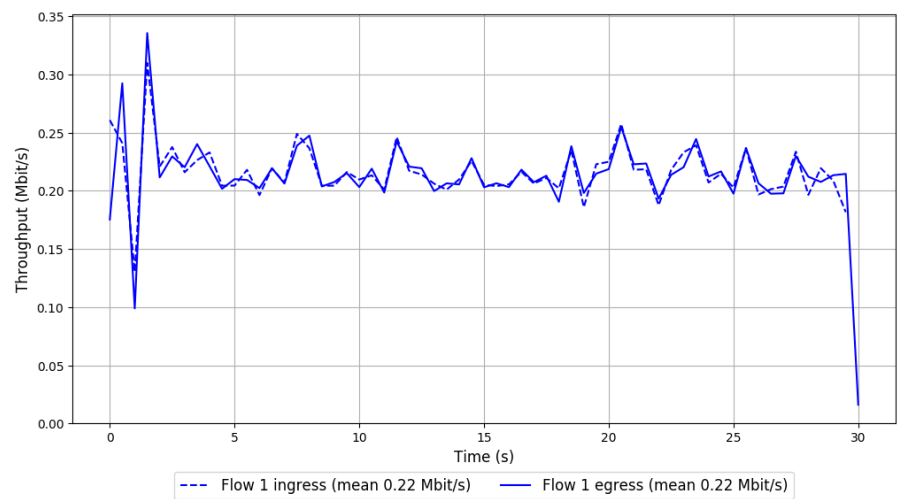
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.892 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-03-05 21:57:49

End at: 2018-03-05 21:58:19

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.933 ms

Loss rate: 0.00%

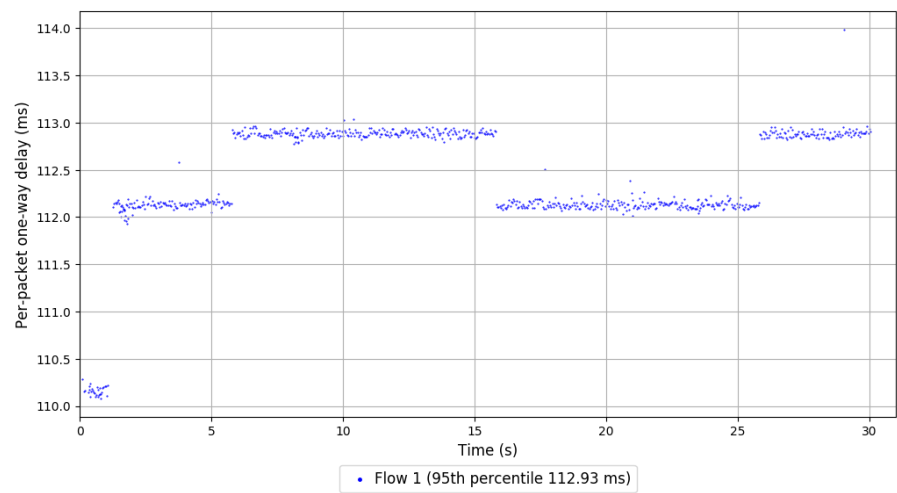
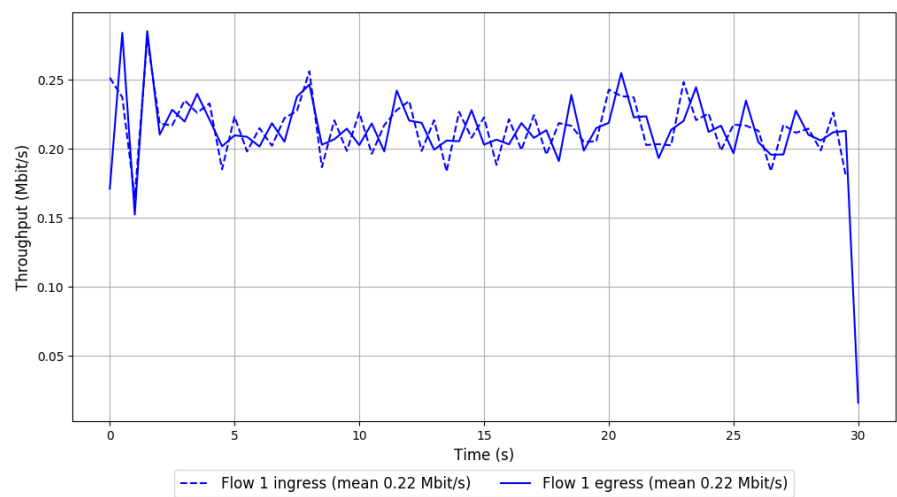
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.933 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

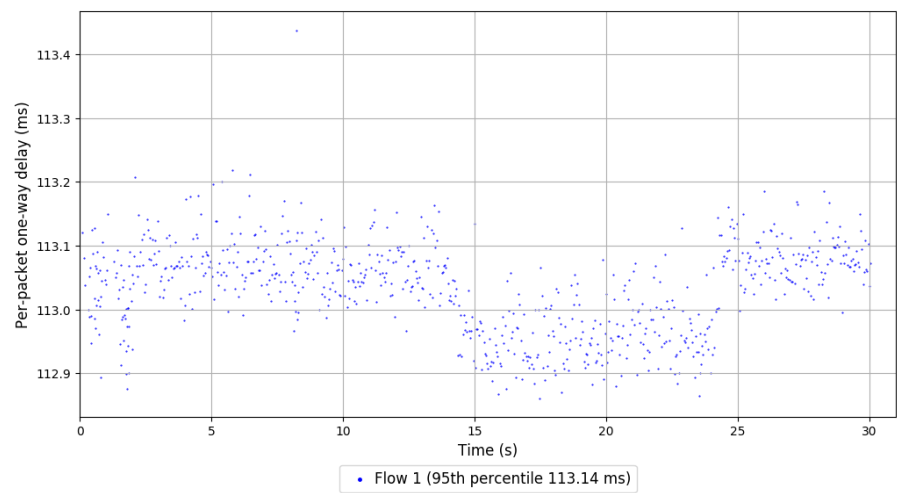
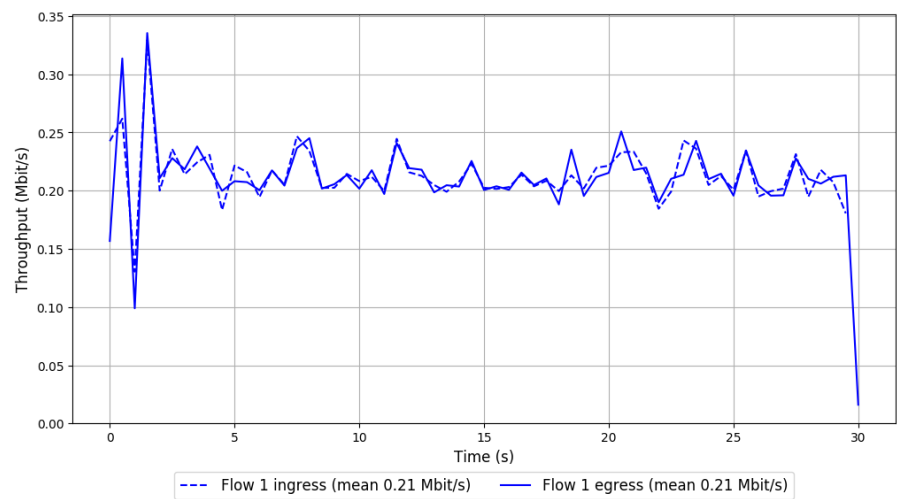


```
Run 8: Statistics of SCReAM

Start at: 2018-03-05 22:13:01
End at: 2018-03-05 22:13:31

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.135 ms
Loss rate: 0.00%
```

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-03-05 22:28:13

End at: 2018-03-05 22:28:43

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.526 ms

Loss rate: 0.00%

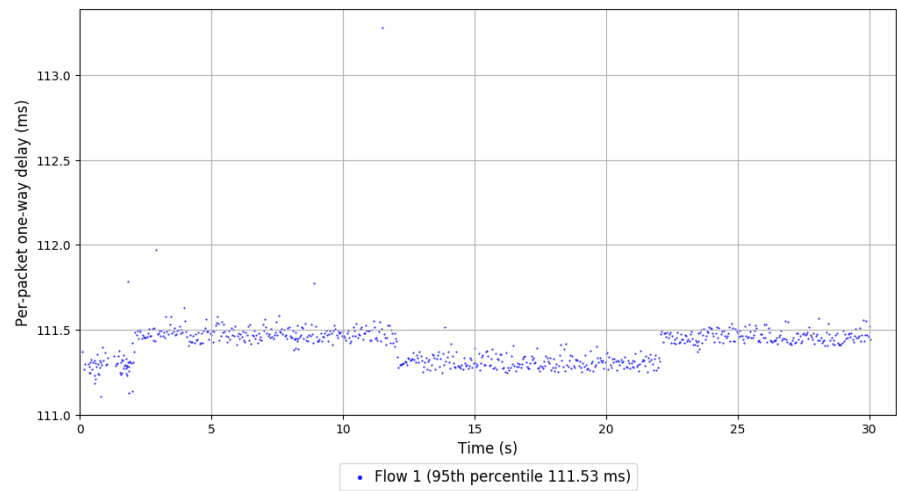
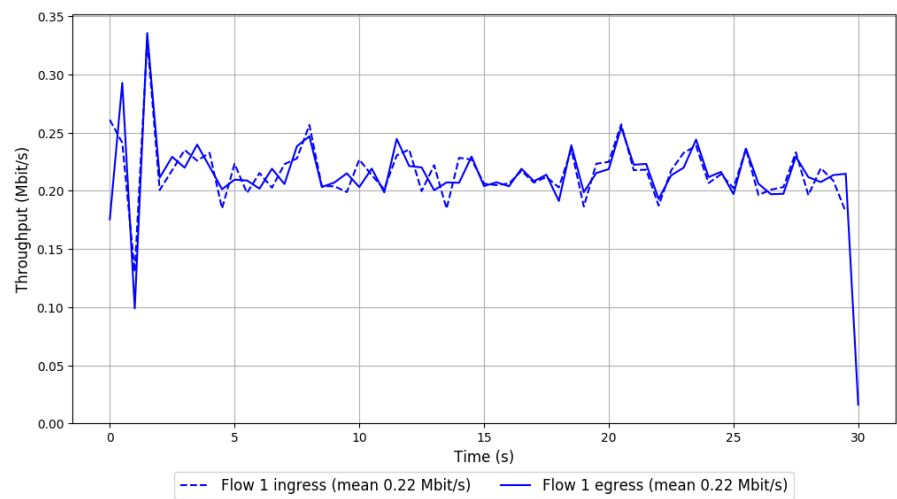
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.526 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-03-05 22:43:41

End at: 2018-03-05 22:44:11

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.134 ms

Loss rate: 0.00%

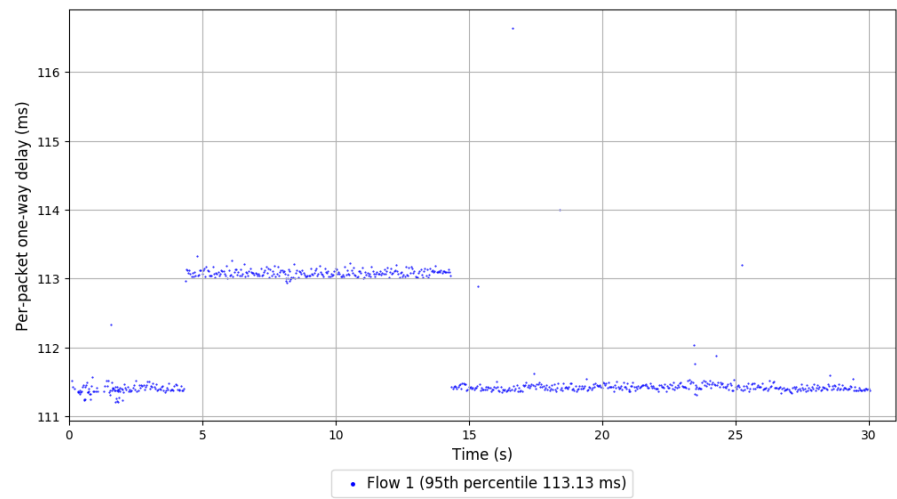
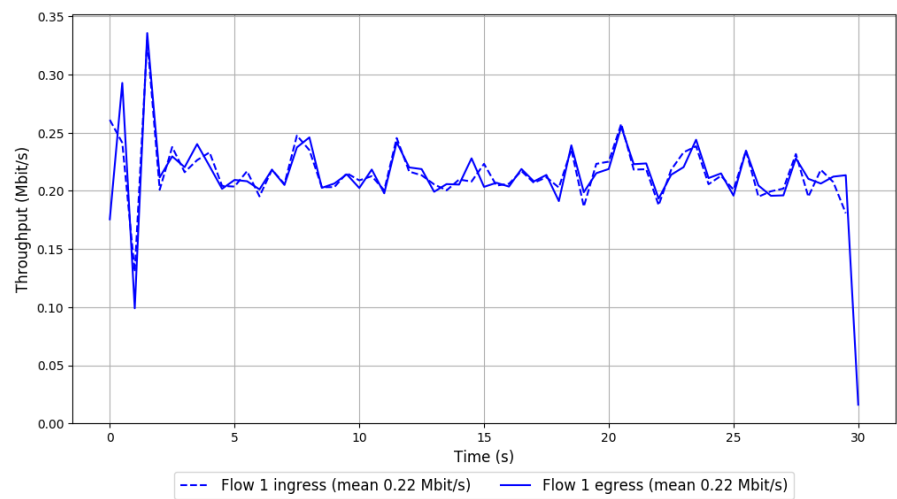
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.134 ms

Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

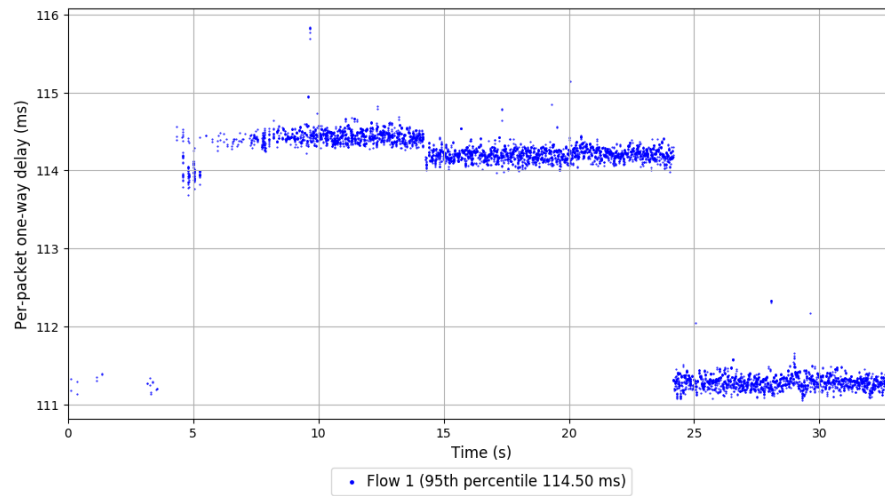
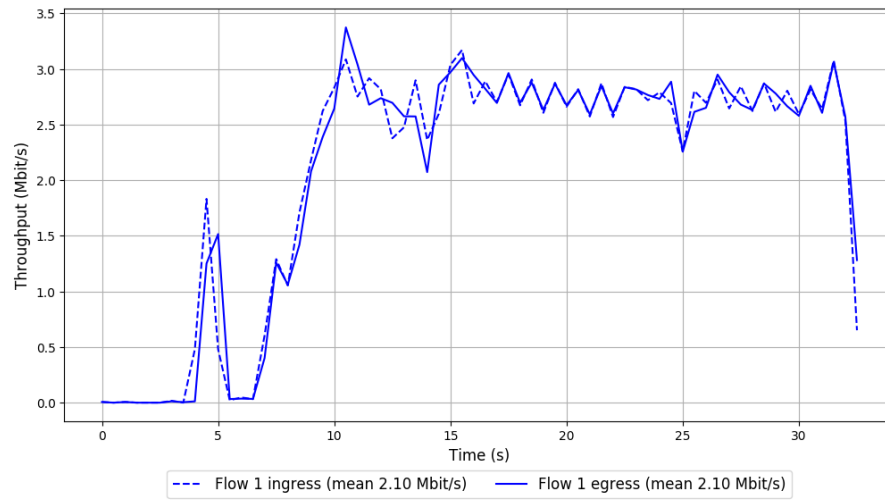


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-05 20:26:43
End at: 2018-03-05 20:27:14

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 114.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 114.501 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

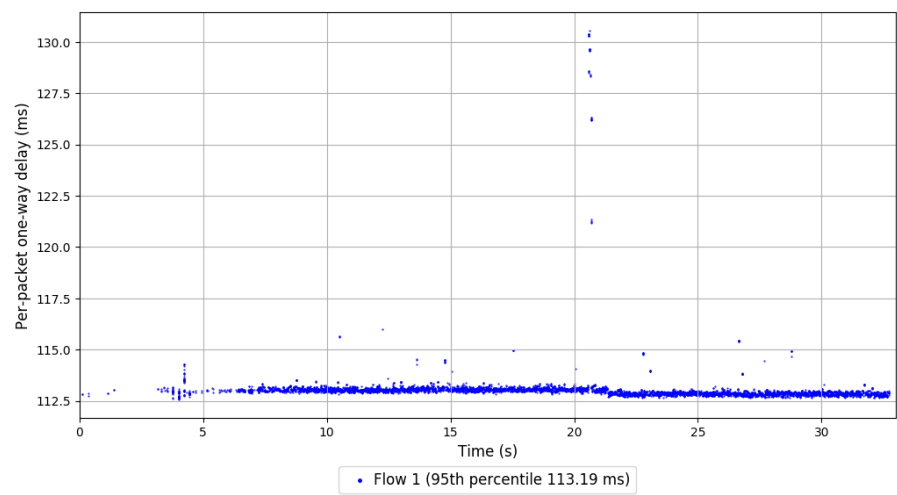
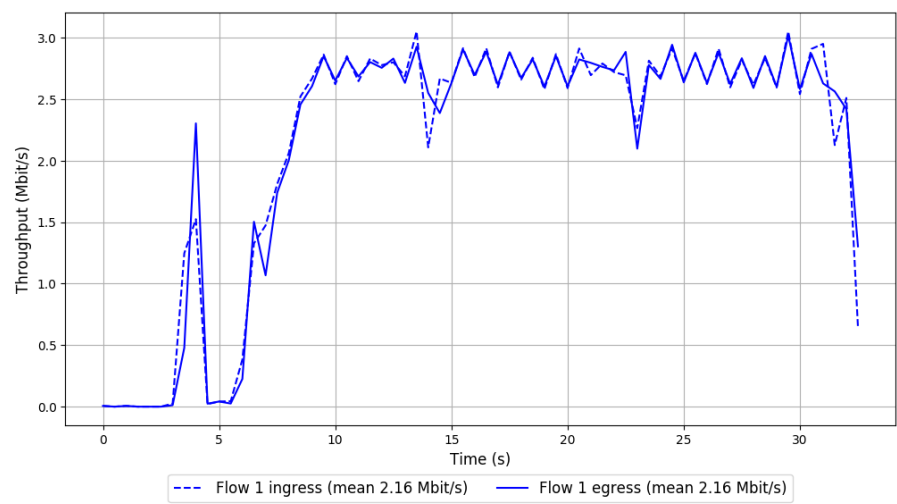


```
Run 2: Statistics of WebRTC media

Start at: 2018-03-05 20:42:06
End at: 2018-03-05 20:42:36

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 113.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 113.195 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-03-05 20:57:35

End at: 2018-03-05 20:58:05

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 114.836 ms

Loss rate: 0.00%

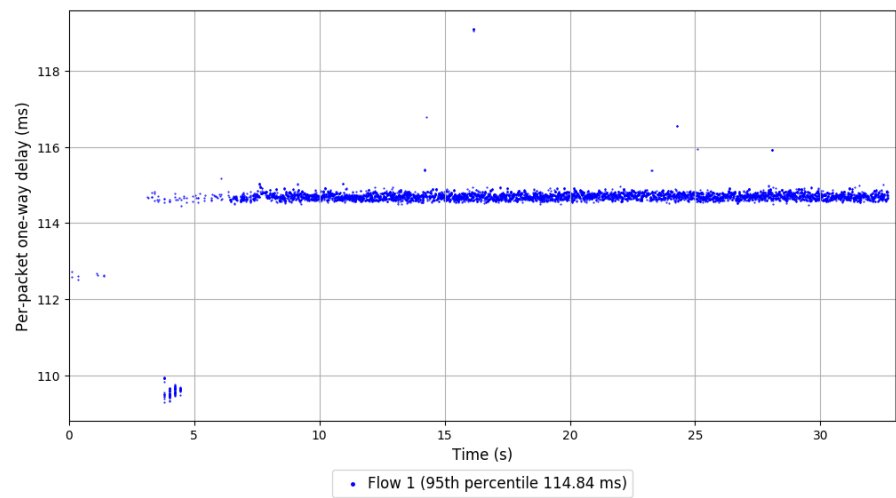
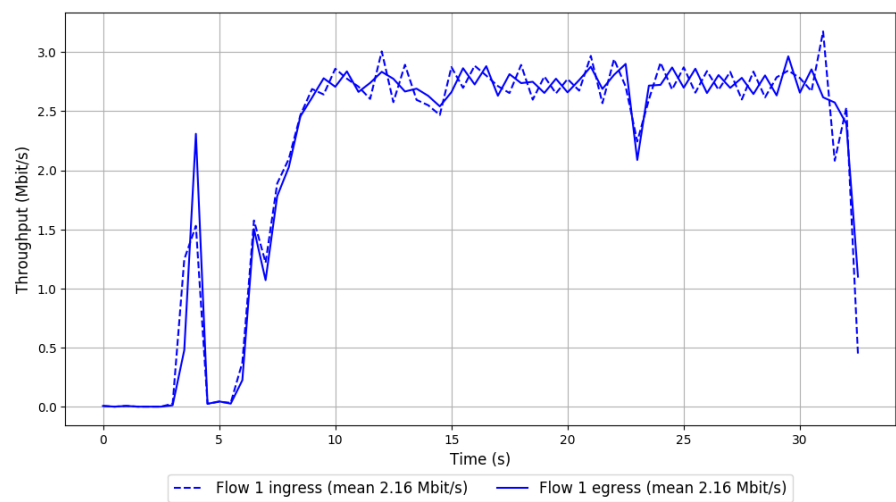
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 114.836 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-05 21:12:59

End at: 2018-03-05 21:13:29

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.625 ms

Loss rate: 0.00%

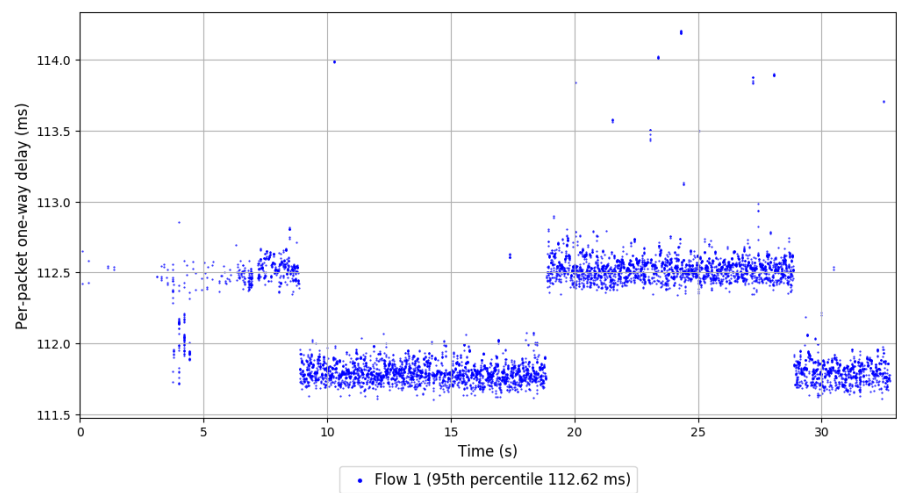
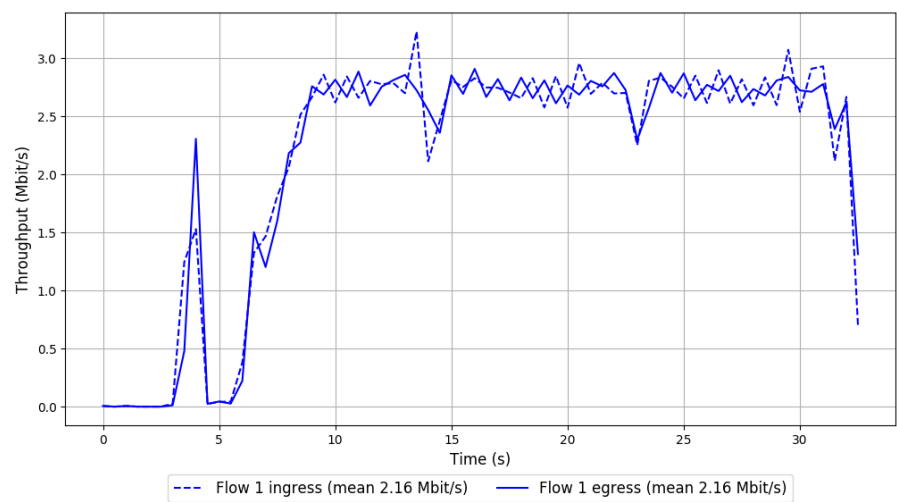
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.625 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-03-05 21:28:47

End at: 2018-03-05 21:29:17

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

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

Loss rate: 0.00%

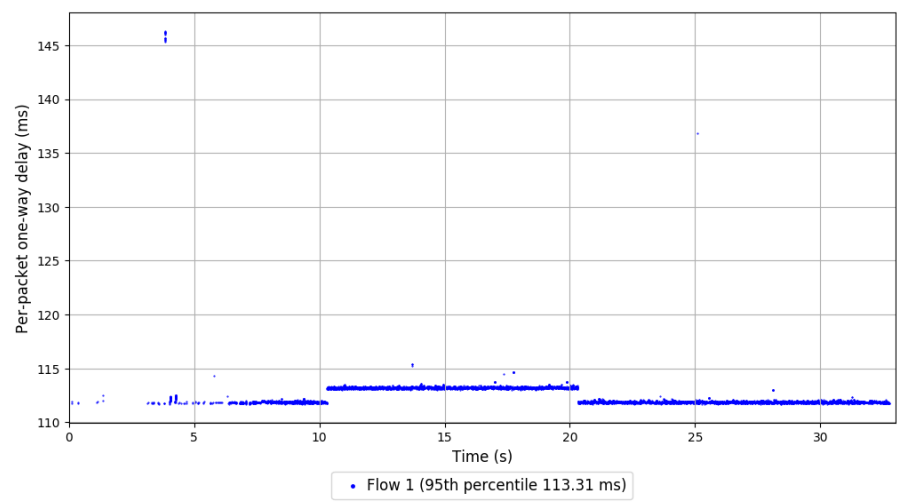
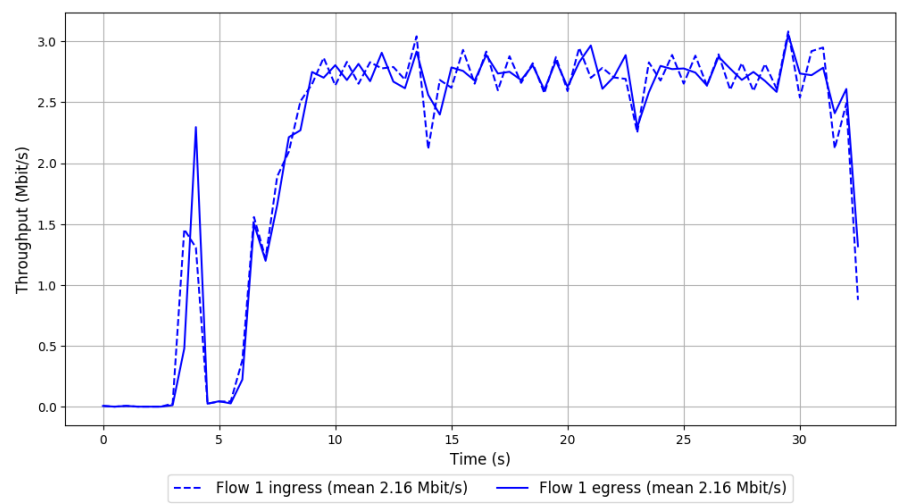
-- Flow 1:

Average throughput: 2.16 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-03-05 21:44:15

End at: 2018-03-05 21:44:45

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.314 ms

Loss rate: 0.00%

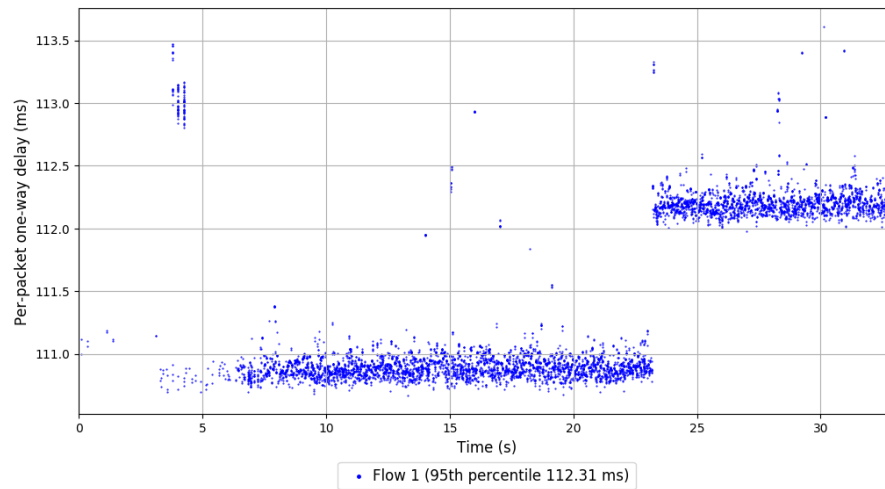
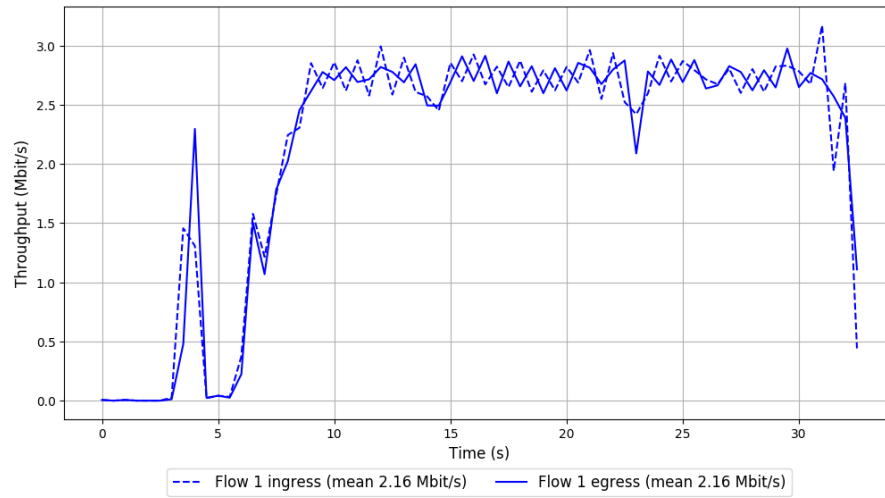
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.314 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-03-05 21:59:26

End at: 2018-03-05 21:59:56

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 113.042 ms

Loss rate: 0.00%

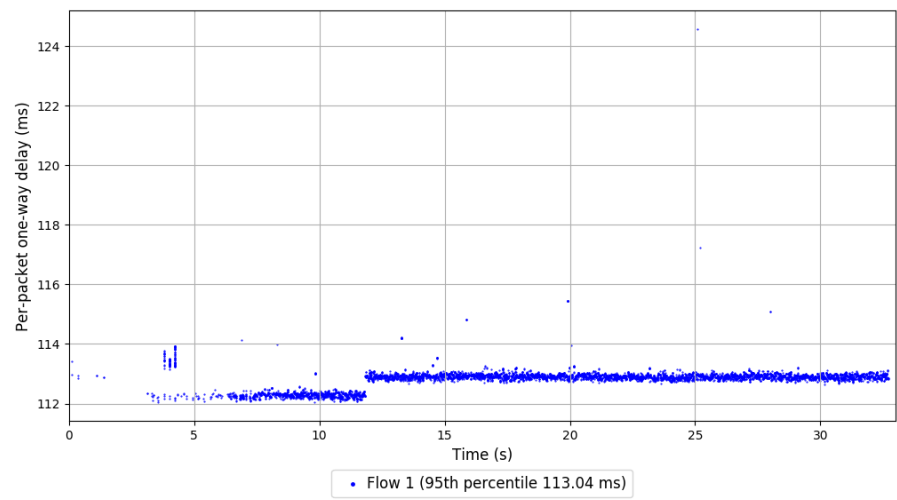
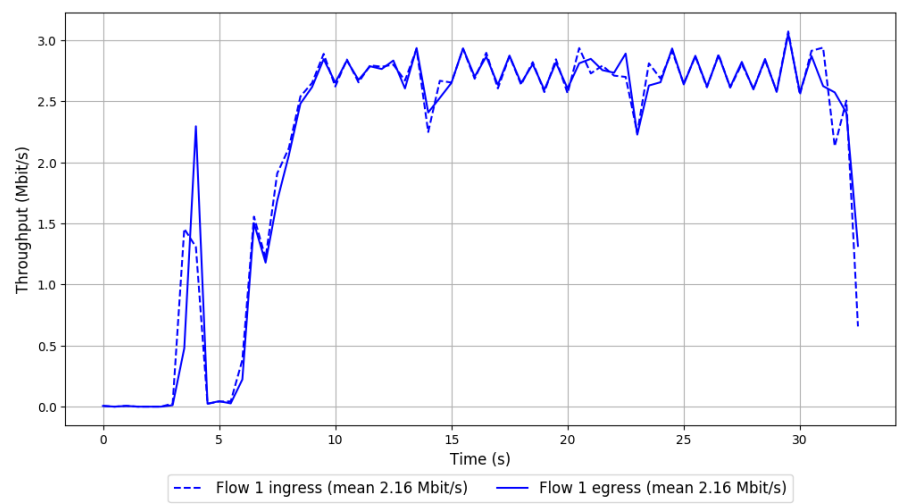
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 113.042 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-03-05 22:14:44

End at: 2018-03-05 22:15:14

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.417 ms

Loss rate: 0.00%

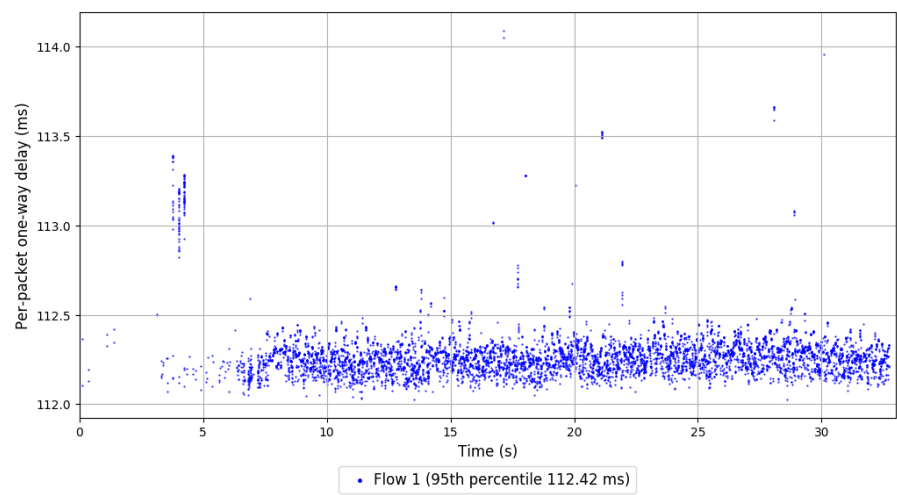
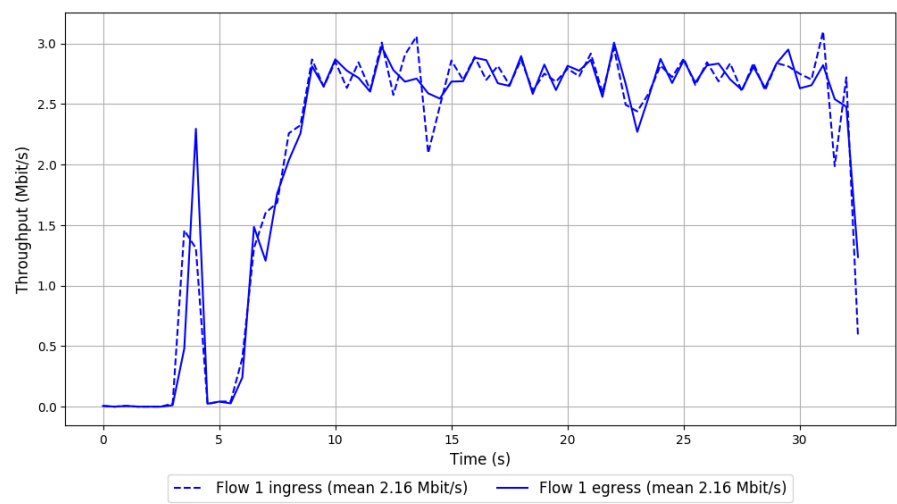
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.417 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-03-05 22:30:01

End at: 2018-03-05 22:30:31

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 113.207 ms

Loss rate: 0.00%

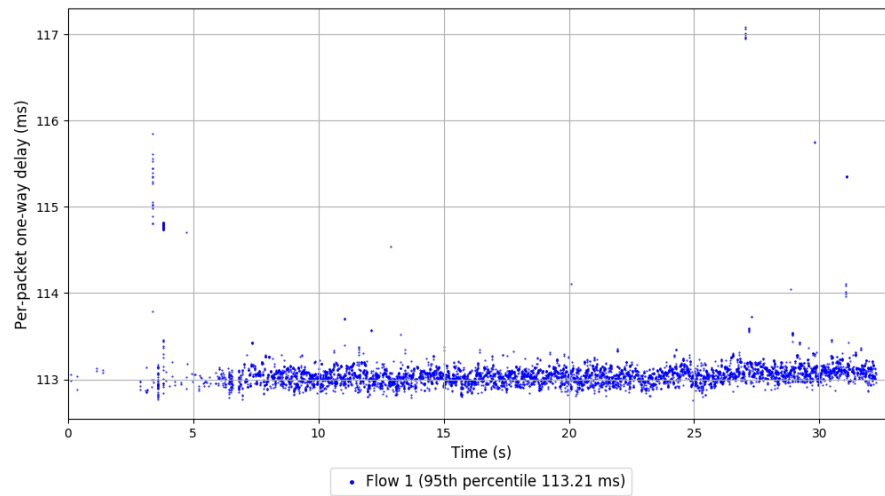
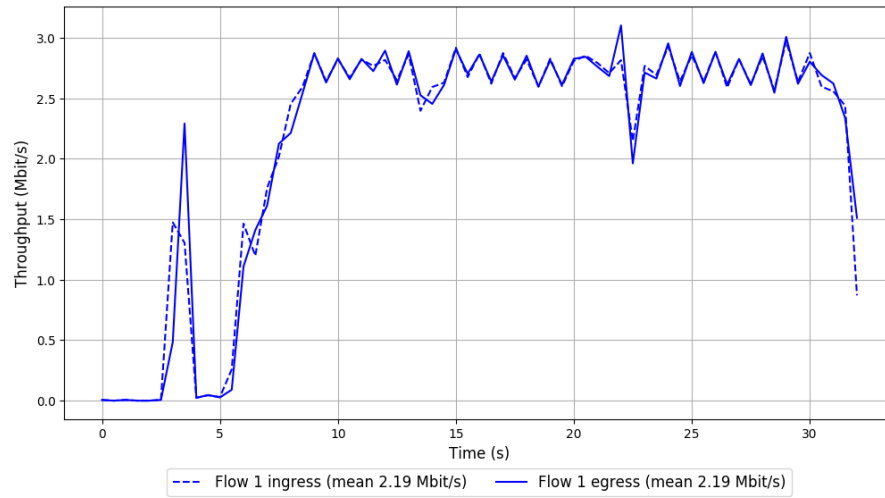
-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 113.207 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-05 22:45:26

End at: 2018-03-05 22:45:56

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.21 Mbit/s

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

Loss rate: 0.03%

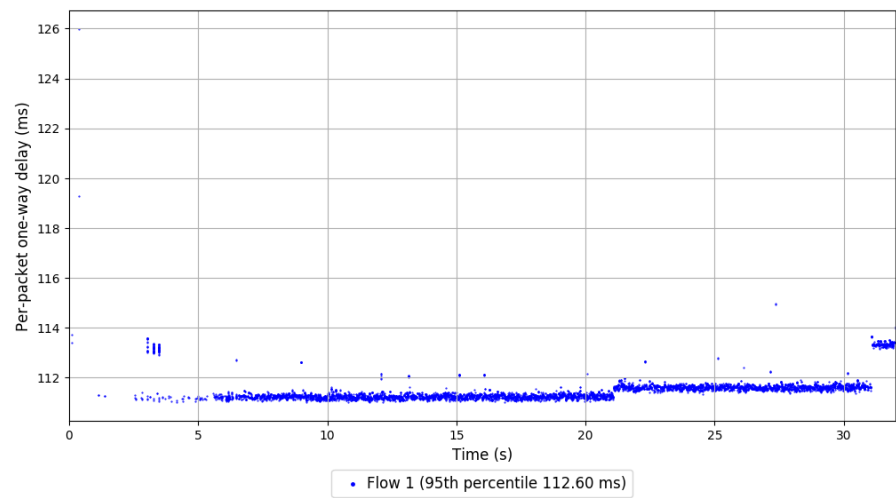
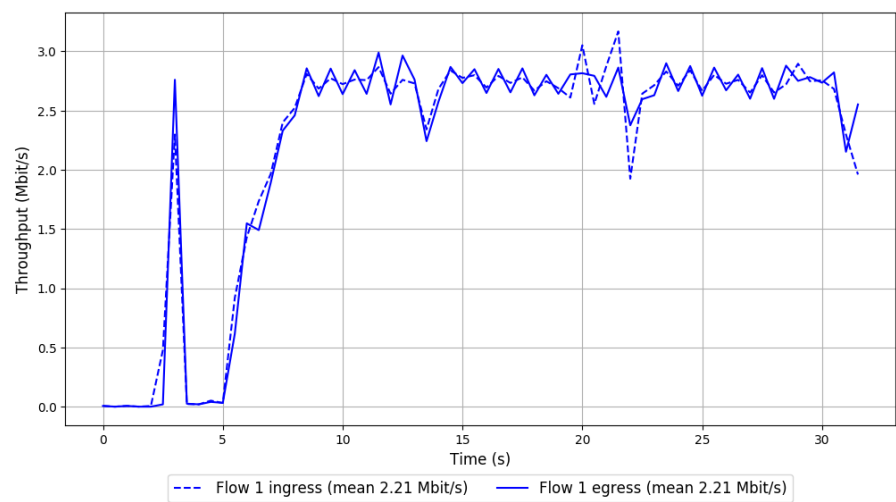
-- Flow 1:

Average throughput: 2.21 Mbit/s

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

Loss rate: 0.03%

Run 10: Report of WebRTC media — Data Link

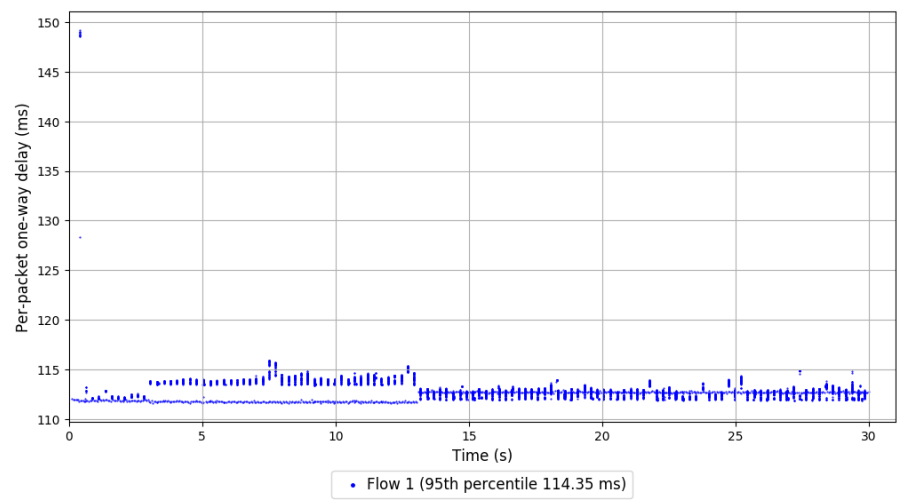
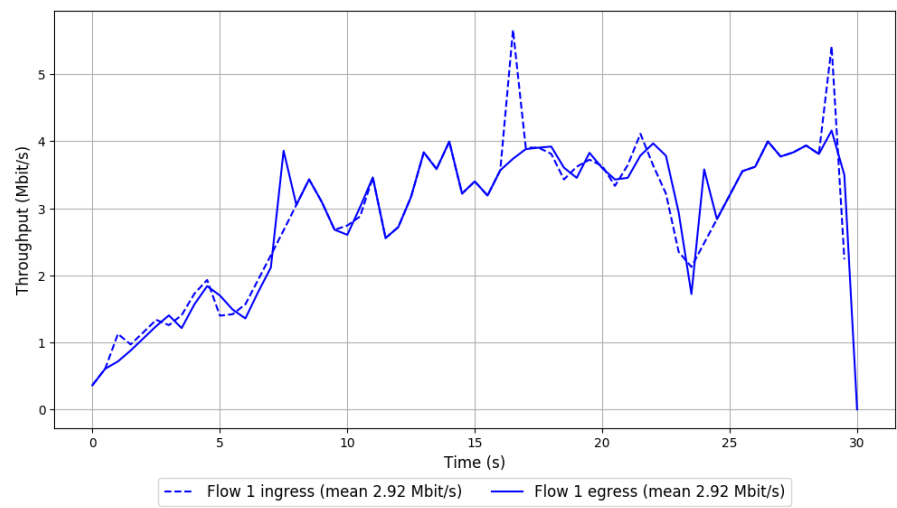


```
Run 1: Statistics of Sprout

Start at: 2018-03-05 20:33:32
End at: 2018-03-05 20:34:02

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 114.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 114.351 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-03-05 20:48:49

End at: 2018-03-05 20:49:19

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 113.871 ms

Loss rate: 0.00%

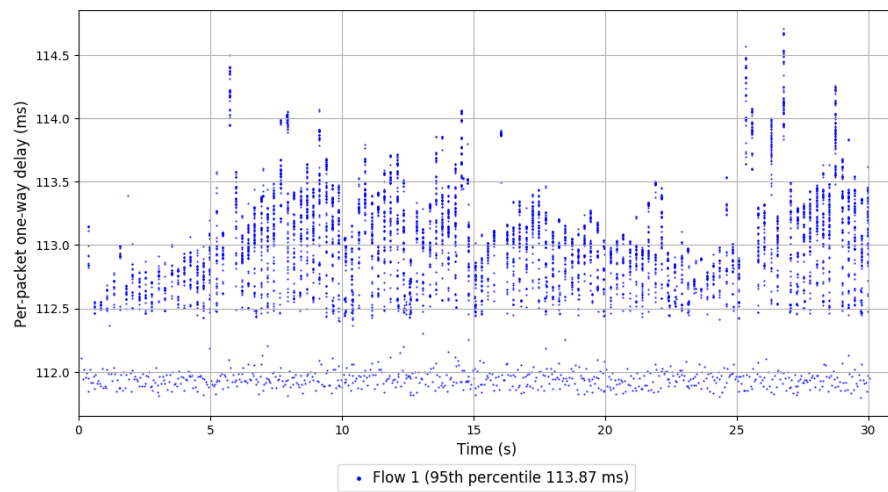
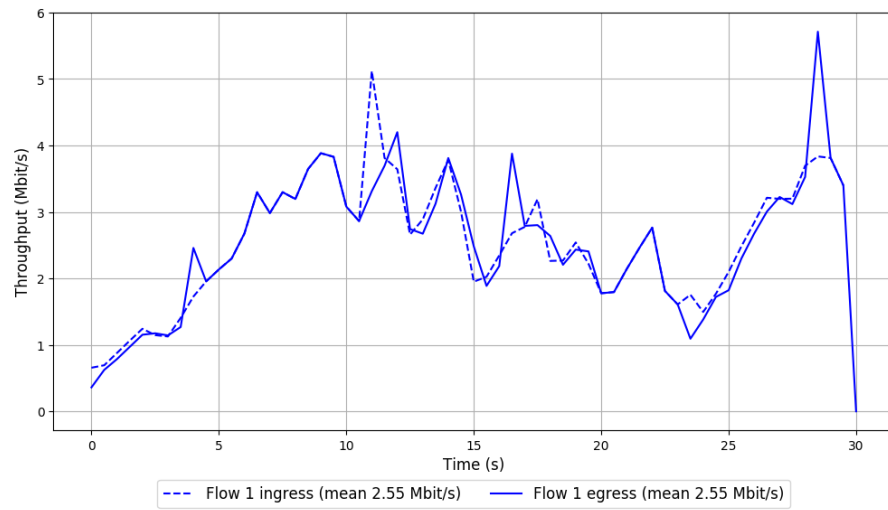
-- Flow 1:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 113.871 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-03-05 21:04:17

End at: 2018-03-05 21:04:47

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.89 Mbit/s

95th percentile per-packet one-way delay: 113.295 ms

Loss rate: 0.00%

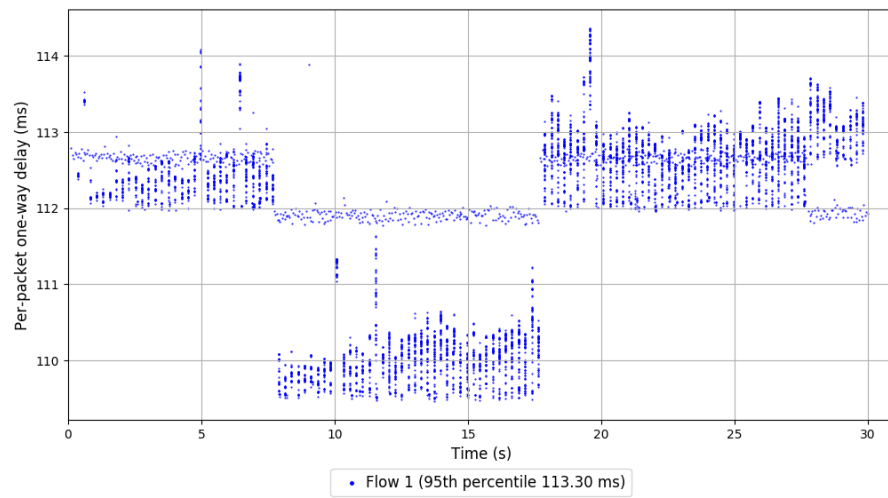
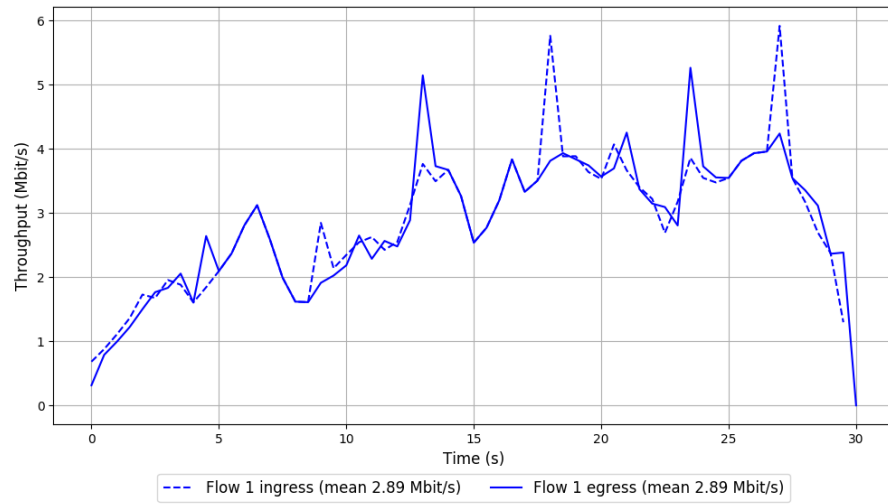
-- Flow 1:

Average throughput: 2.89 Mbit/s

95th percentile per-packet one-way delay: 113.295 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-03-05 21:19:52

End at: 2018-03-05 21:20:22

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.57 Mbit/s

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

Loss rate: 0.00%

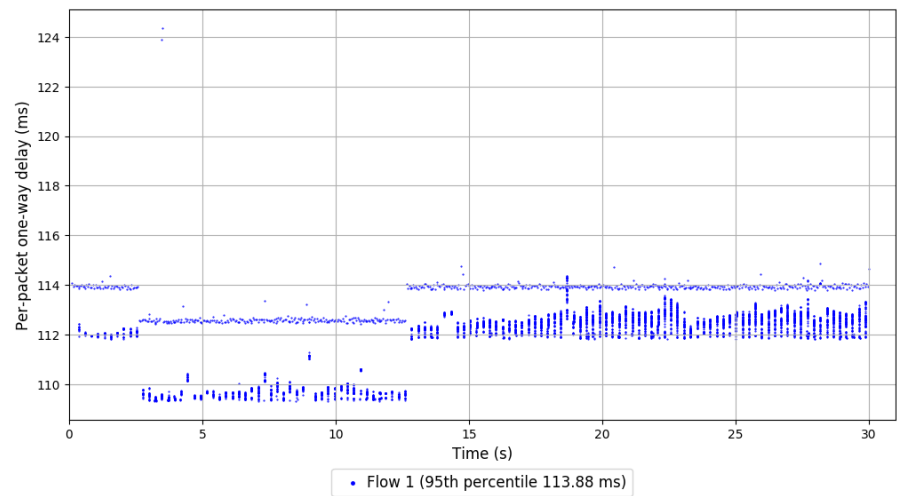
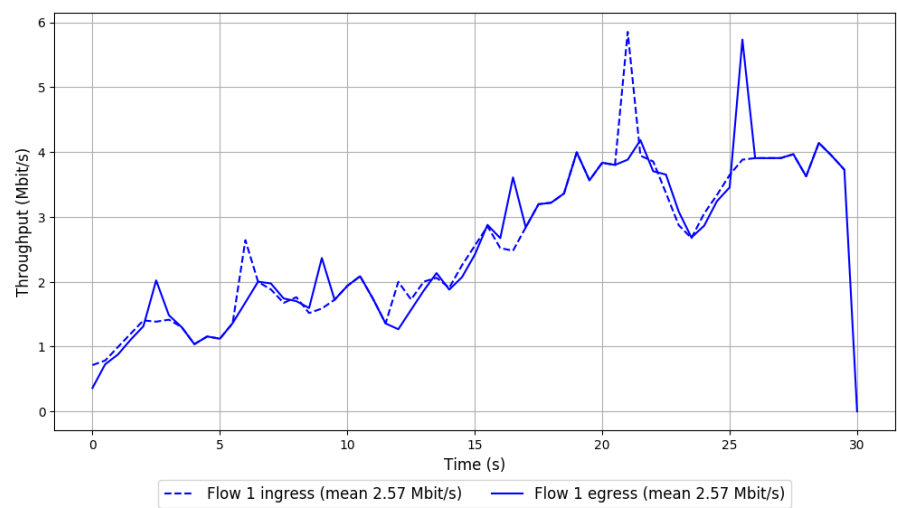
-- Flow 1:

Average throughput: 2.57 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-03-05 21:35:29

End at: 2018-03-05 21:35:59

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.63 Mbit/s

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

Loss rate: 0.00%

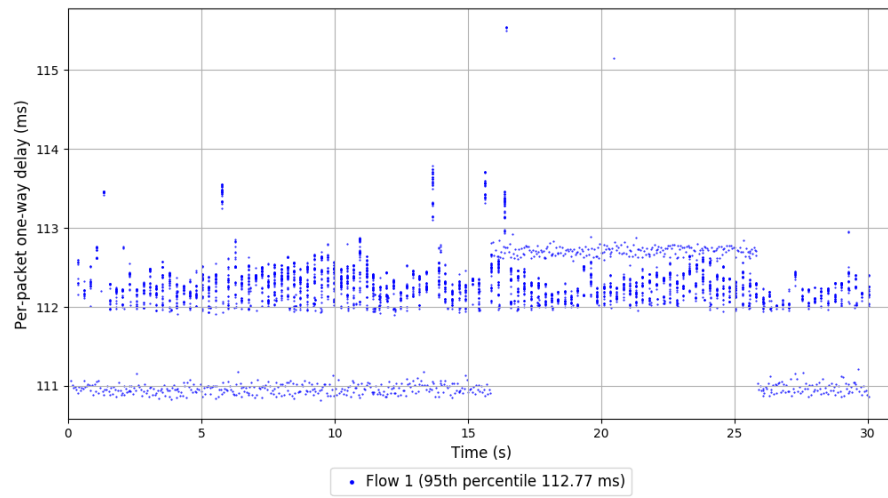
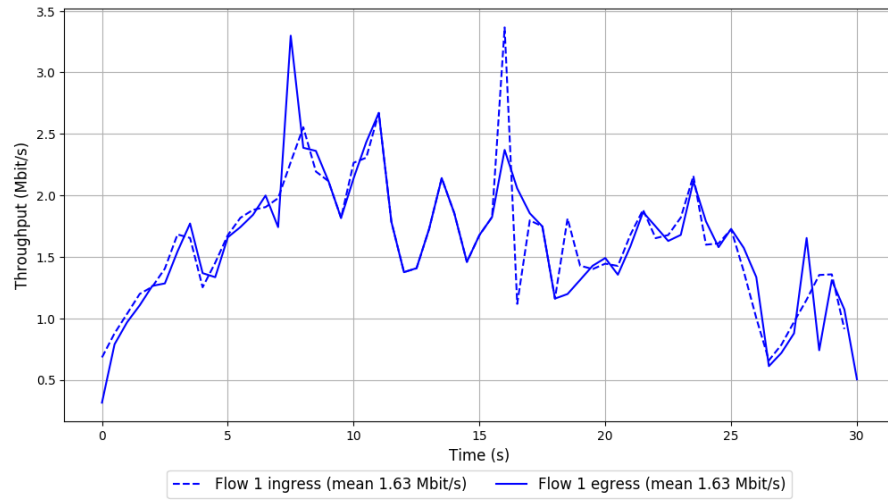
-- Flow 1:

Average throughput: 1.63 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-03-05 21:51:06

End at: 2018-03-05 21:51:36

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 113.485 ms

Loss rate: 0.00%

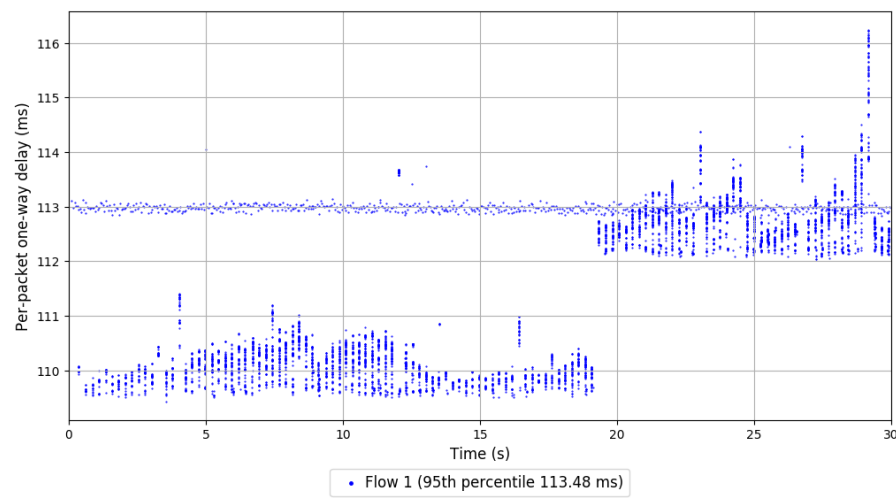
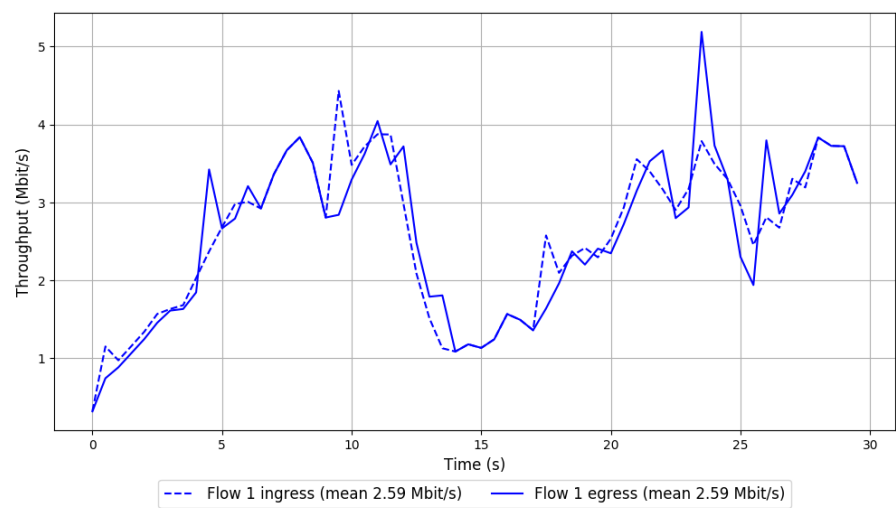
-- Flow 1:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 113.485 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-03-05 22:06:03

End at: 2018-03-05 22:06:33

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 114.054 ms

Loss rate: 0.00%

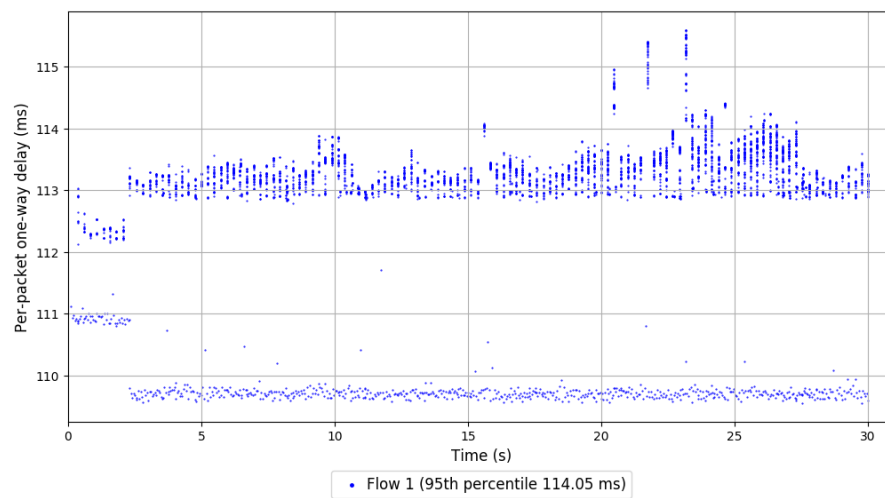
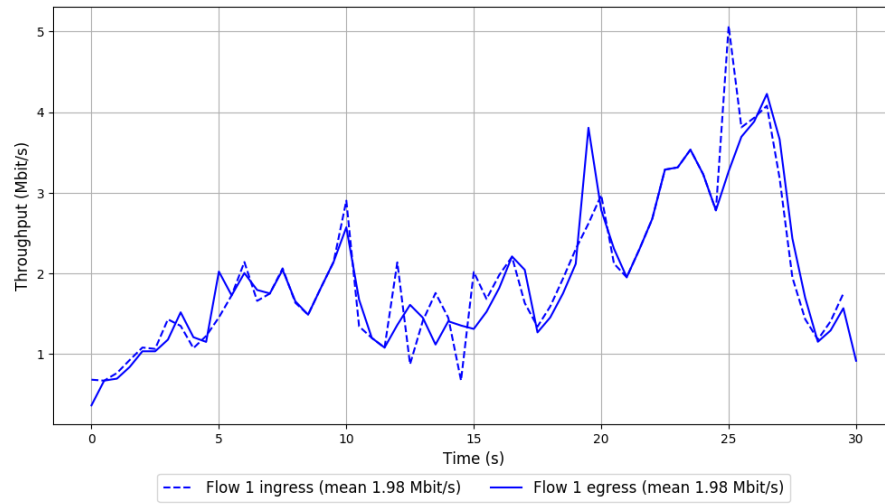
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 114.054 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-03-05 22:21:21

End at: 2018-03-05 22:21:51

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 113.923 ms

Loss rate: 0.00%

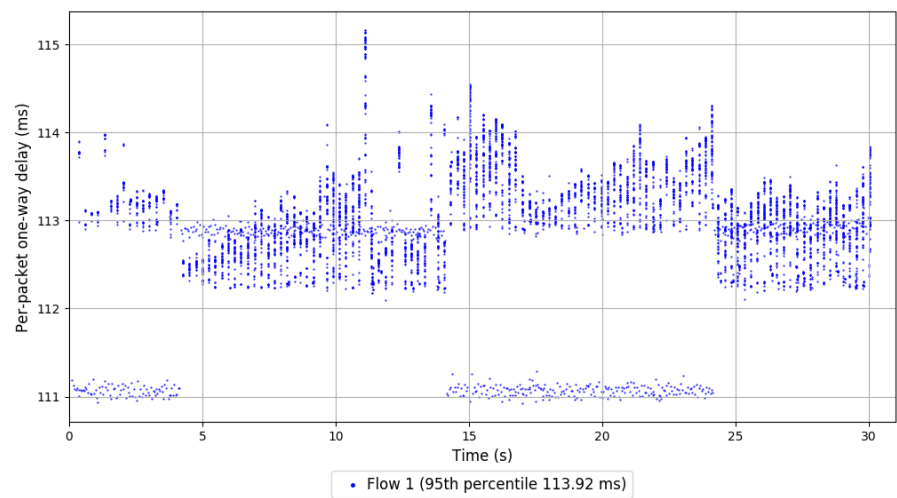
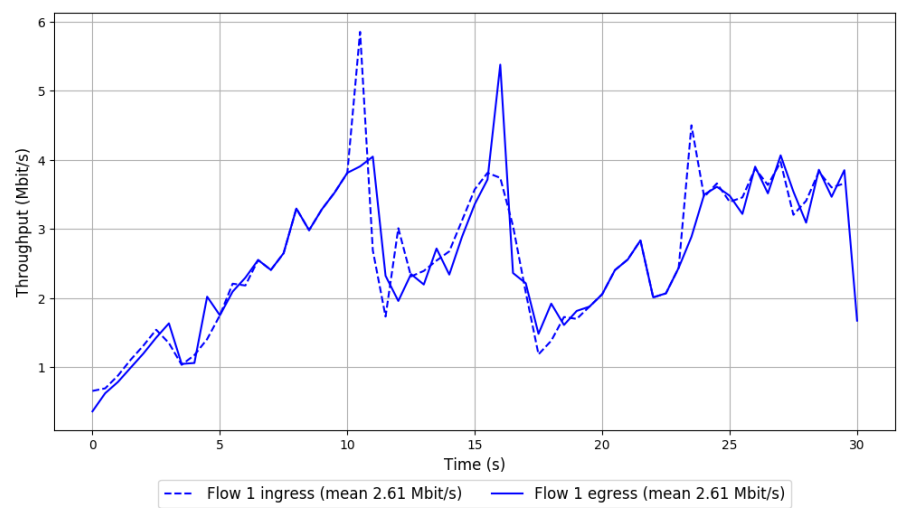
-- Flow 1:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 113.923 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-03-05 22:36:47

End at: 2018-03-05 22:37:17

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 113.884 ms

Loss rate: 0.00%

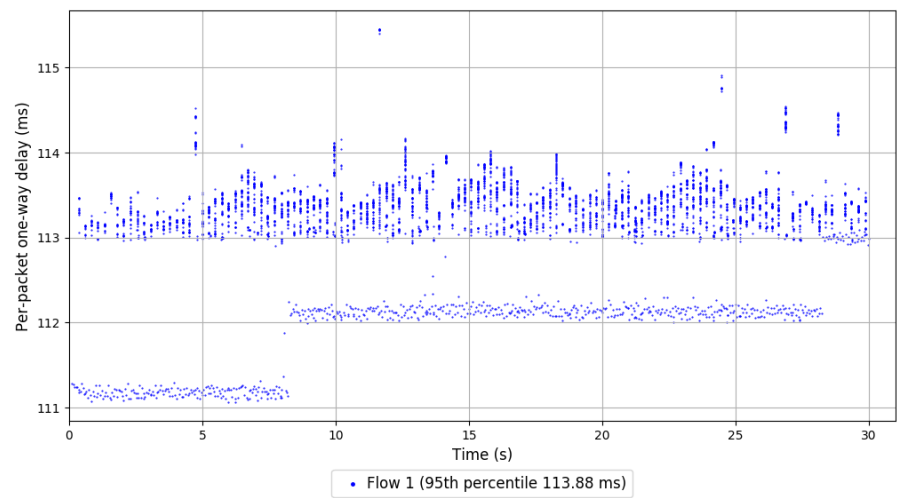
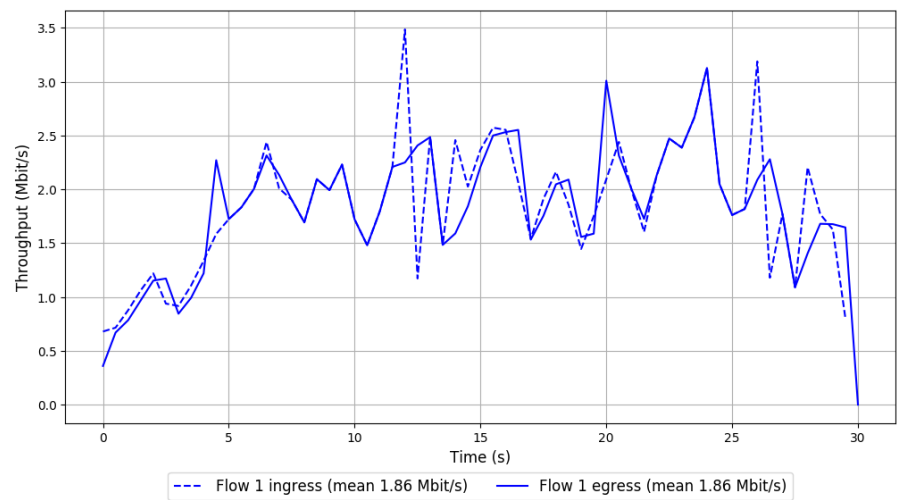
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 113.884 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-03-05 22:52:19

End at: 2018-03-05 22:52:49

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 113.910 ms

Loss rate: 0.00%

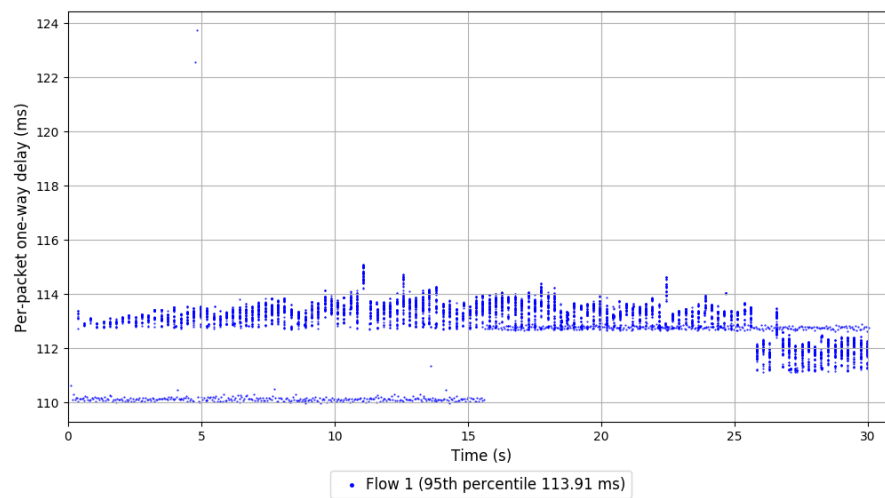
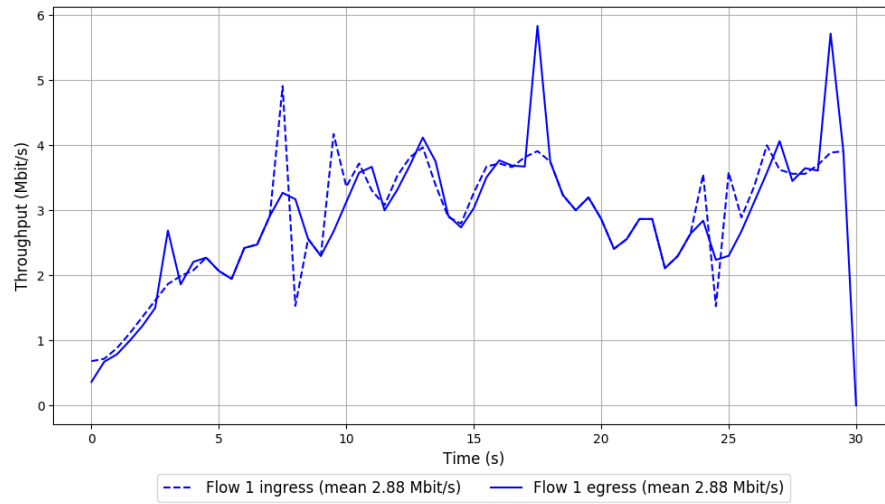
-- Flow 1:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 113.910 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

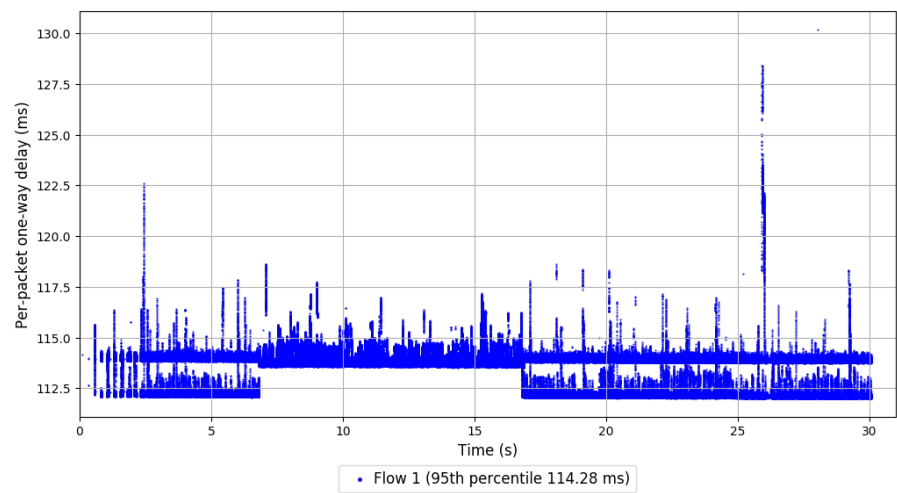
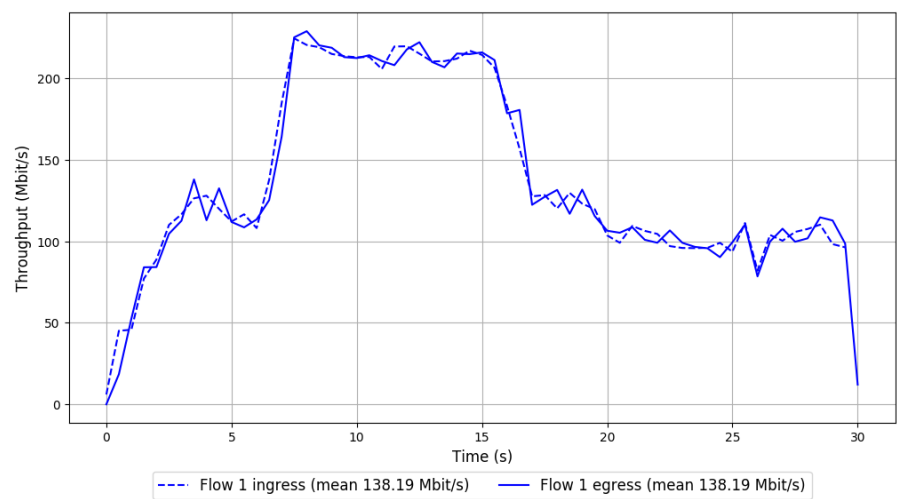


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-05 20:31:58
End at: 2018-03-05 20:32:28

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.19 Mbit/s
95th percentile per-packet one-way delay: 114.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.19 Mbit/s
95th percentile per-packet one-way delay: 114.280 ms
Loss rate: 0.00%
```

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

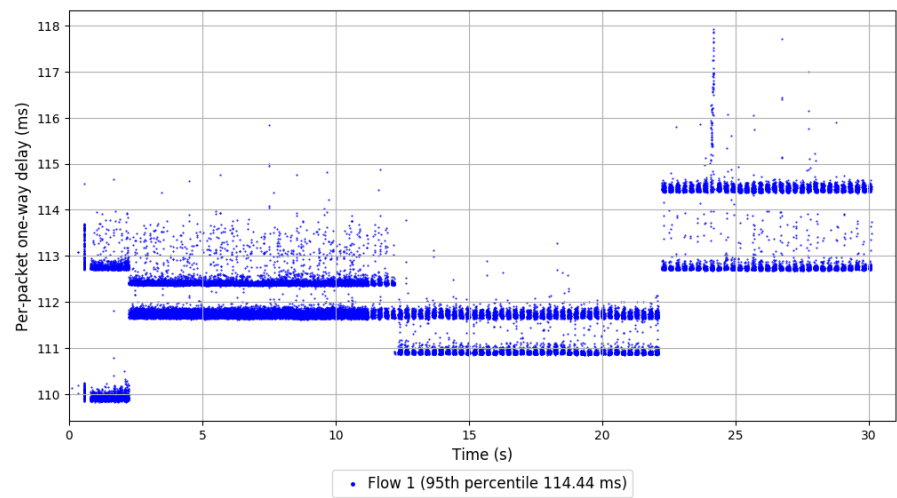
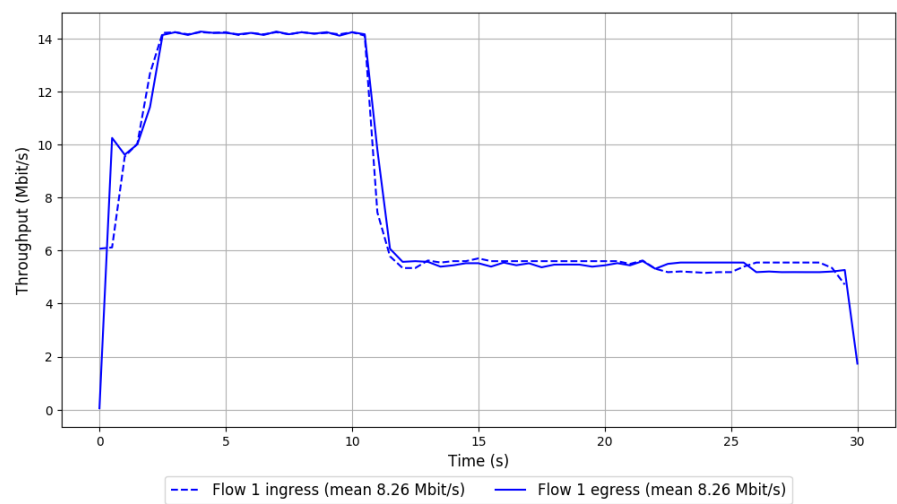


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-03-05 20:47:23
End at: 2018-03-05 20:47:53

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 114.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 114.444 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-05 21:02:46

End at: 2018-03-05 21:03:16

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.22 Mbit/s

95th percentile per-packet one-way delay: 112.994 ms

Loss rate: 0.00%

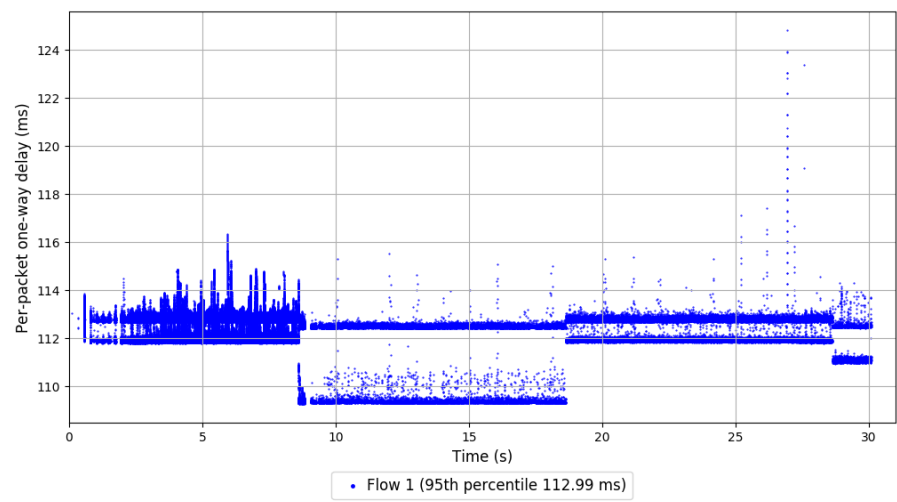
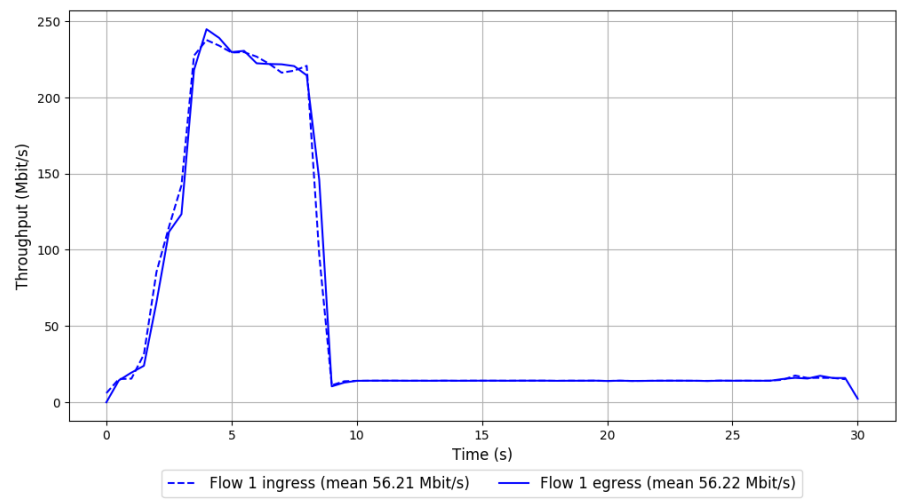
-- Flow 1:

Average throughput: 56.22 Mbit/s

95th percentile per-packet one-way delay: 112.994 ms

Loss rate: 0.00%

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

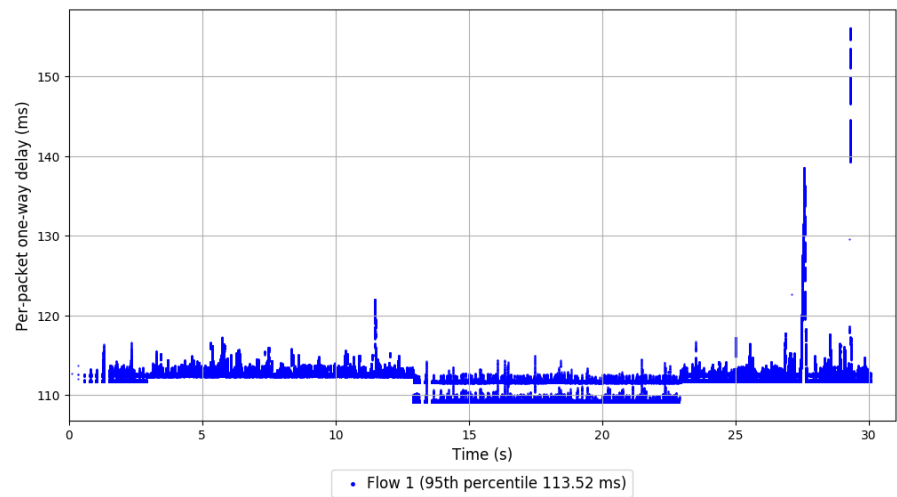
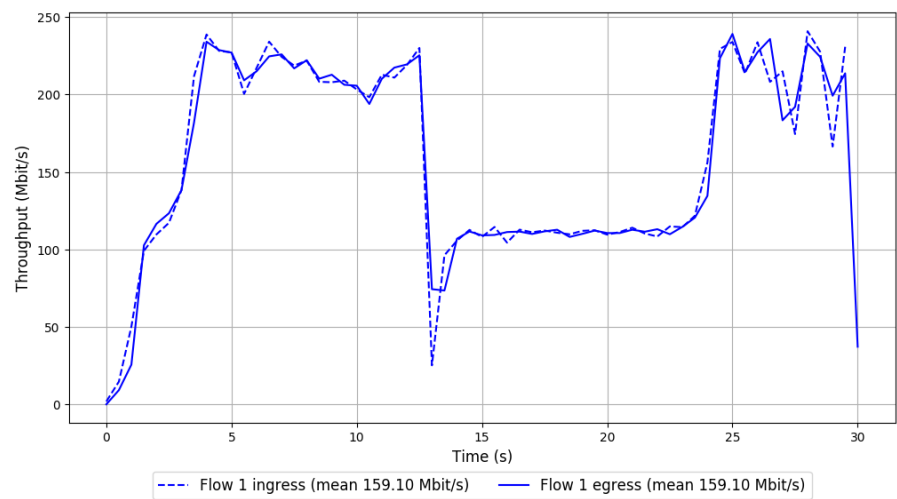


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-03-05 21:18:12
End at: 2018-03-05 21:18:42

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.10 Mbit/s
95th percentile per-packet one-way delay: 113.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.10 Mbit/s
95th percentile per-packet one-way delay: 113.518 ms
Loss rate: 0.00%
```

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

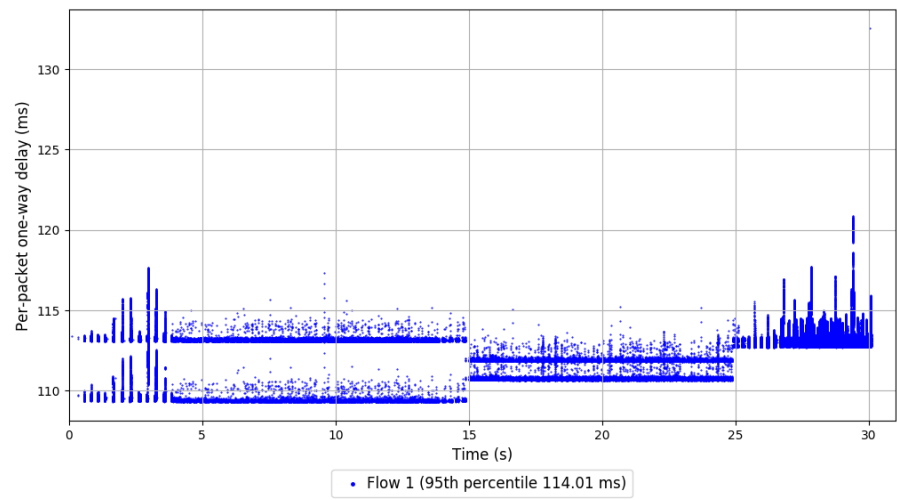
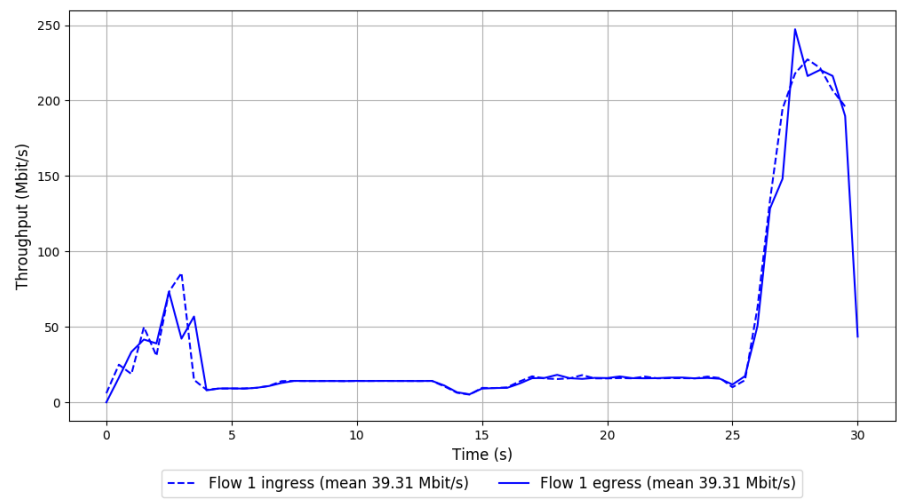


```
Run 5: Statistics of TaoVA-100x

Start at: 2018-03-05 21:34:00
End at: 2018-03-05 21:34:30

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 114.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 114.012 ms
Loss rate: 0.00%
```

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

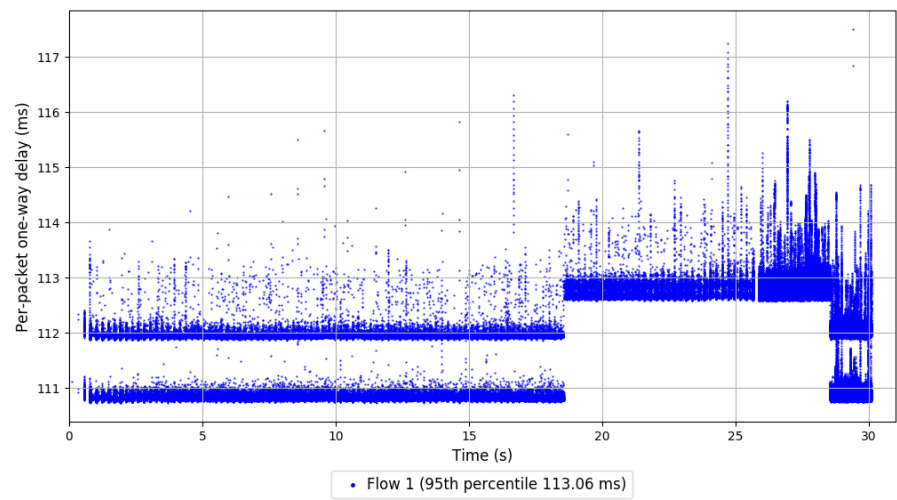
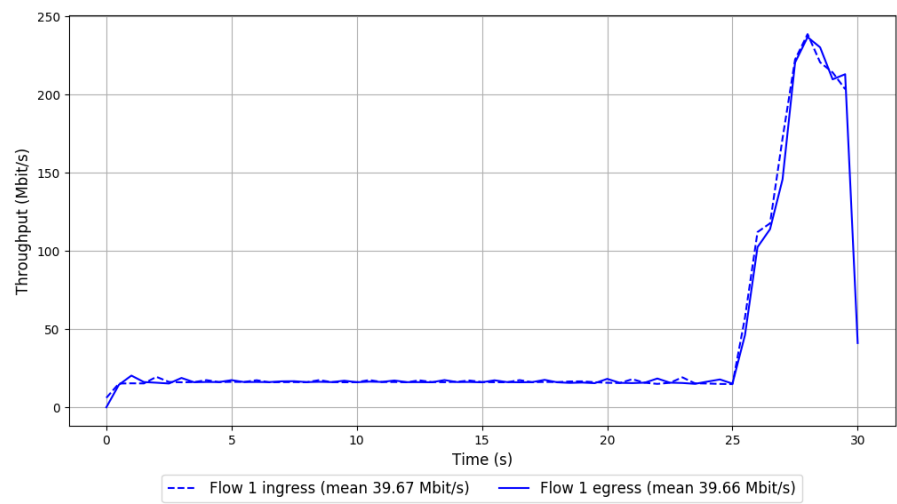


```
Run 6: Statistics of TaoVA-100x

Start at: 2018-03-05 21:49:37
End at: 2018-03-05 21:50:07

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 113.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 113.055 ms
Loss rate: 0.00%
```

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-03-05 22:04:37

End at: 2018-03-05 22:05:07

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.17 Mbit/s

95th percentile per-packet one-way delay: 113.412 ms

Loss rate: 0.00%

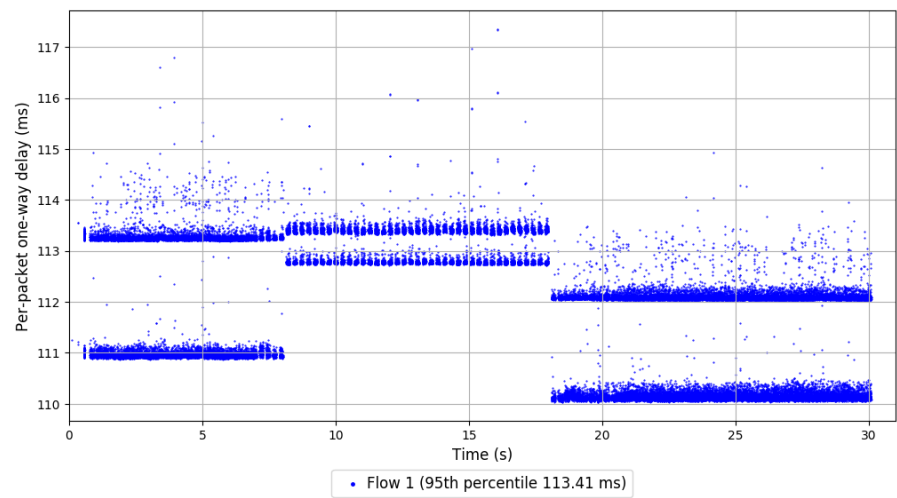
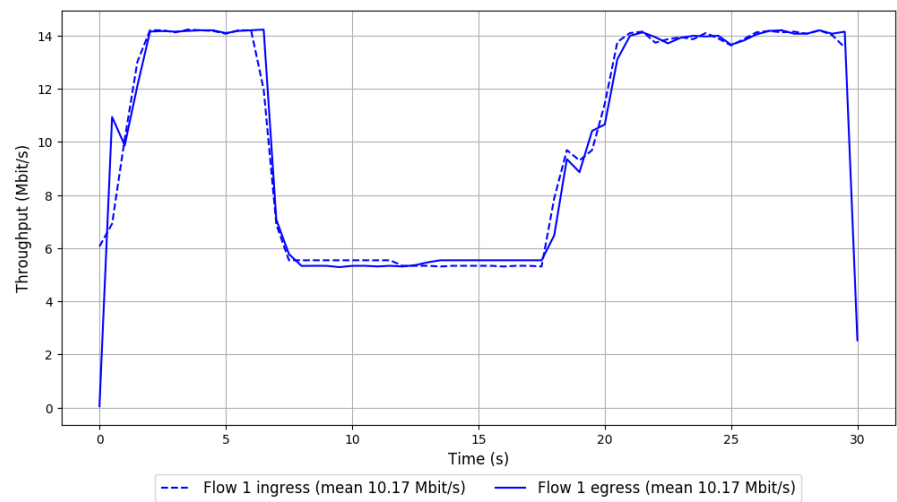
-- Flow 1:

Average throughput: 10.17 Mbit/s

95th percentile per-packet one-way delay: 113.412 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-05 22:19:57

End at: 2018-03-05 22:20:27

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.23 Mbit/s

95th percentile per-packet one-way delay: 113.554 ms

Loss rate: 0.00%

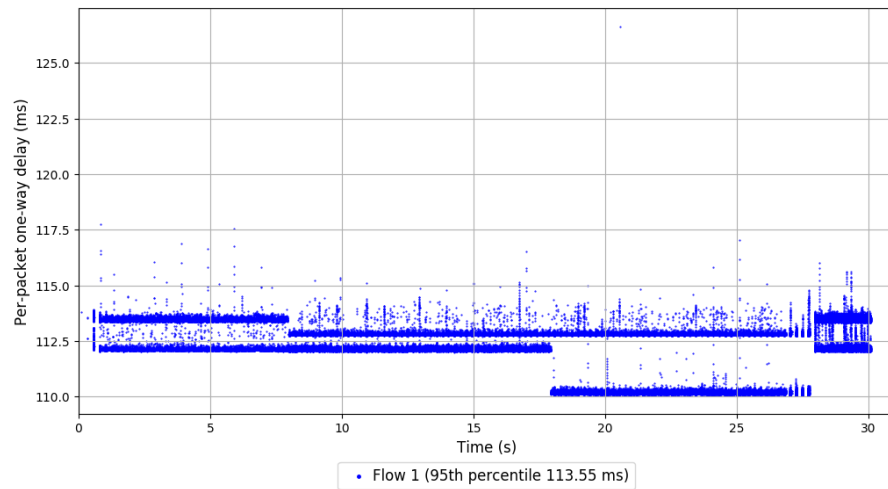
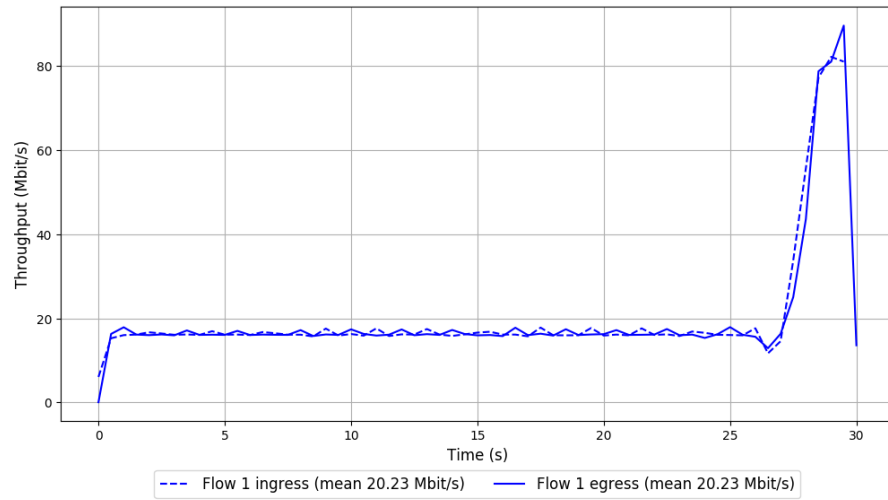
-- Flow 1:

Average throughput: 20.23 Mbit/s

95th percentile per-packet one-way delay: 113.554 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-05 22:35:21

End at: 2018-03-05 22:35:51

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.60 Mbit/s

95th percentile per-packet one-way delay: 113.023 ms

Loss rate: 0.00%

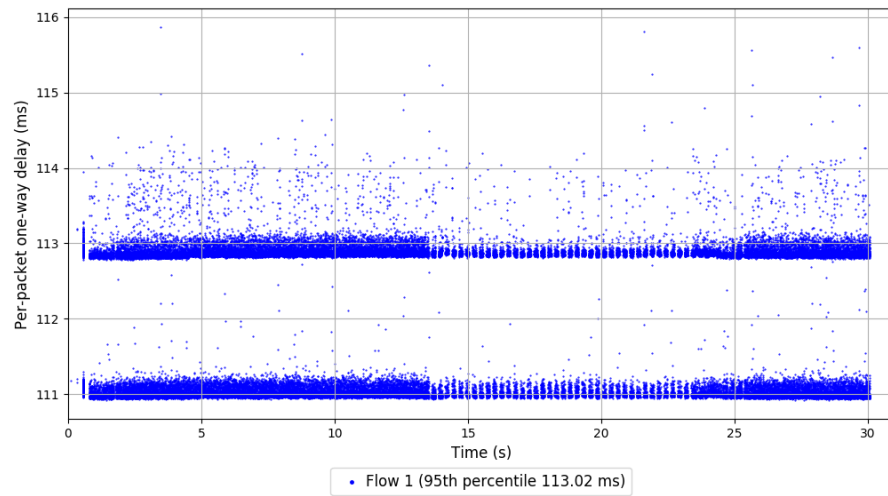
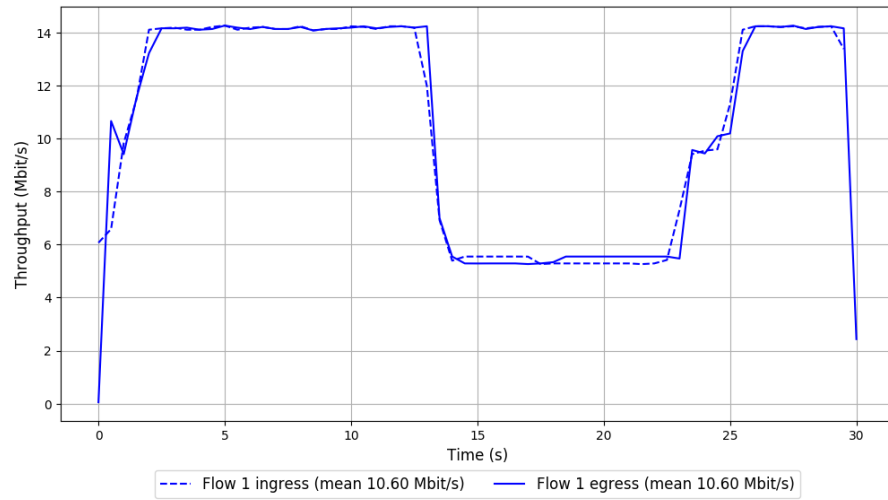
-- Flow 1:

Average throughput: 10.60 Mbit/s

95th percentile per-packet one-way delay: 113.023 ms

Loss rate: 0.00%

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

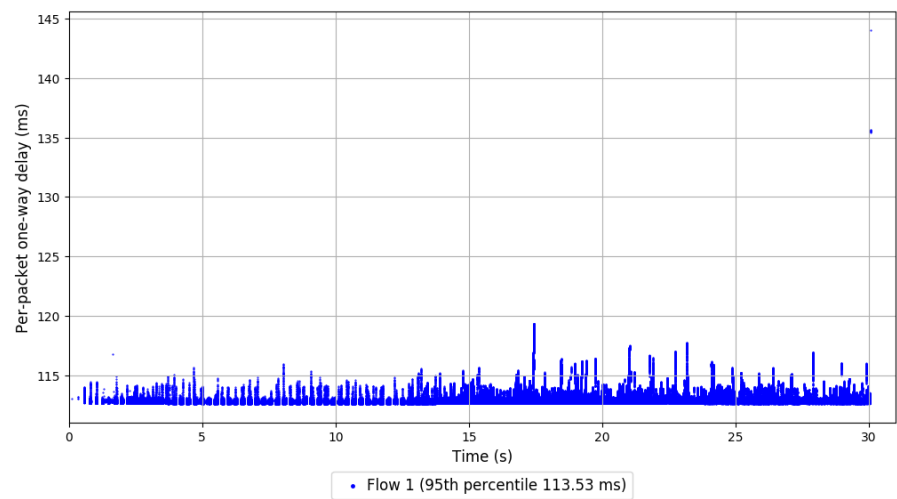
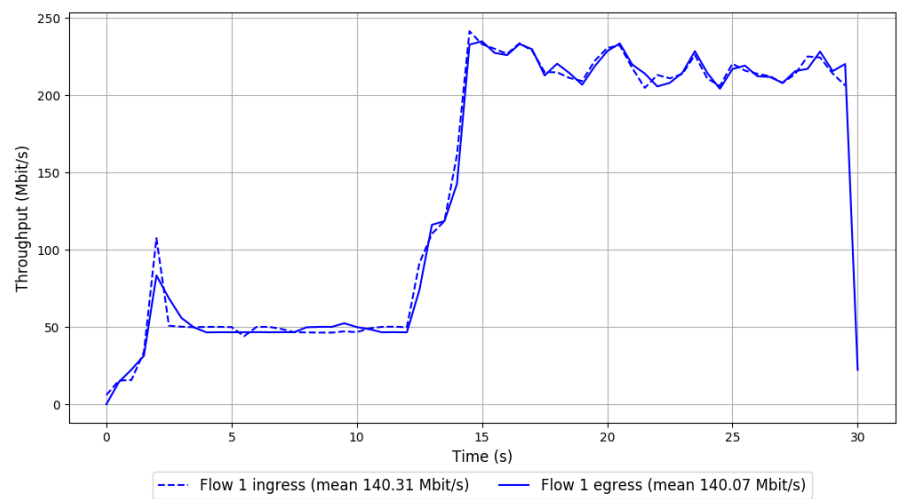


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-03-05 22:50:41
End at: 2018-03-05 22:51:11

# Below is generated by plot.py at 2018-03-06 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.07 Mbit/s
95th percentile per-packet one-way delay: 113.533 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 140.07 Mbit/s
95th percentile per-packet one-way delay: 113.533 ms
Loss rate: 0.15%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-03-05 20:27:24

End at: 2018-03-05 20:27:54

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.24 Mbit/s

95th percentile per-packet one-way delay: 124.809 ms

Loss rate: 0.00%

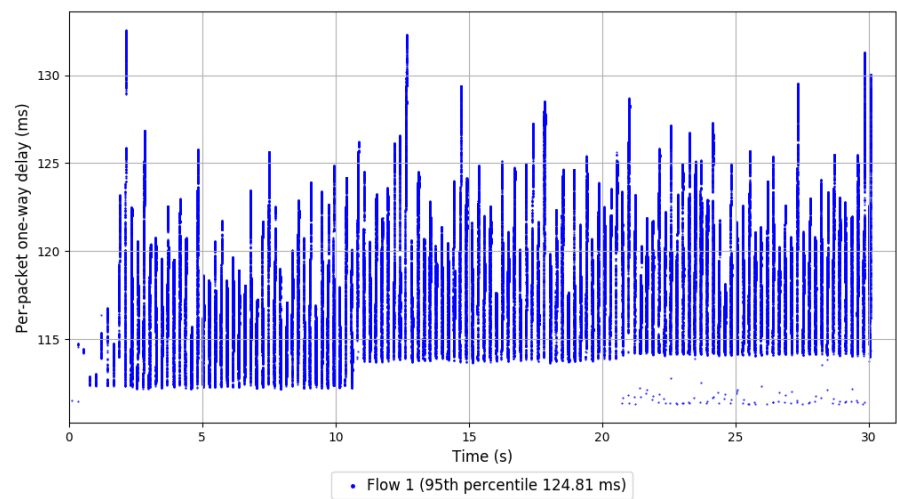
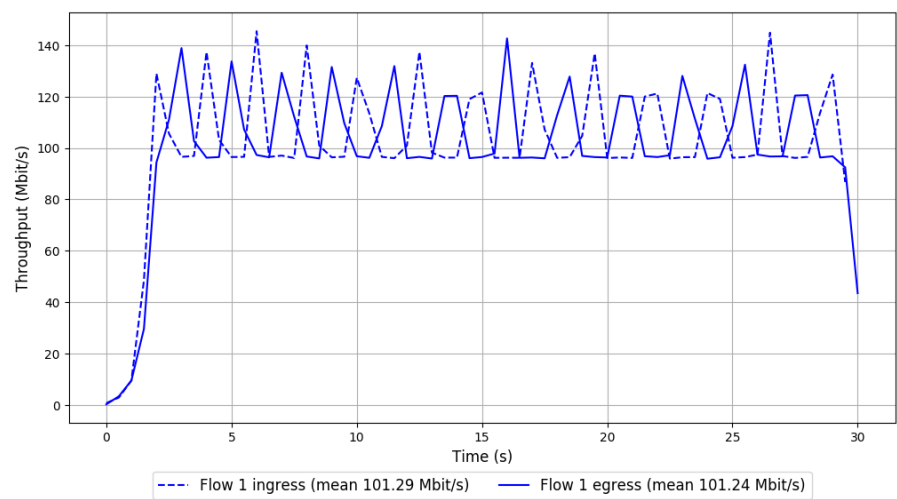
-- Flow 1:

Average throughput: 101.24 Mbit/s

95th percentile per-packet one-way delay: 124.809 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-03-05 20:42:47

End at: 2018-03-05 20:43:17

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.90 Mbit/s

95th percentile per-packet one-way delay: 124.893 ms

Loss rate: 0.00%

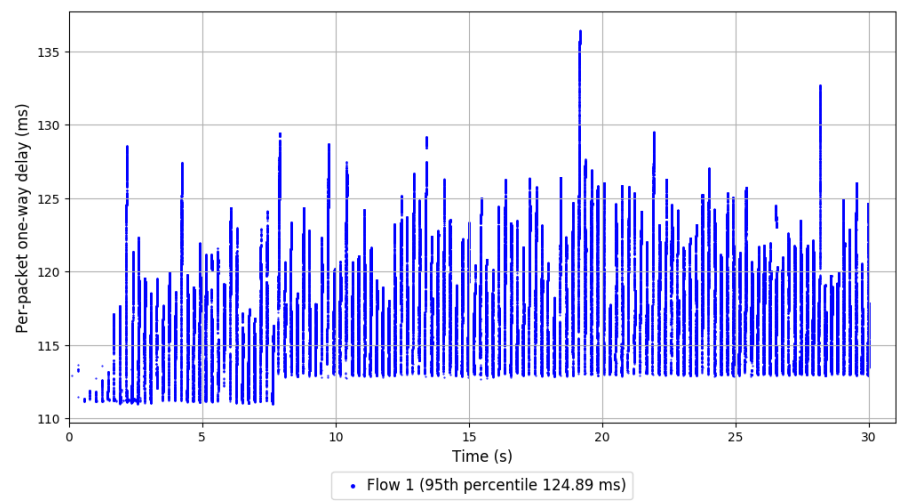
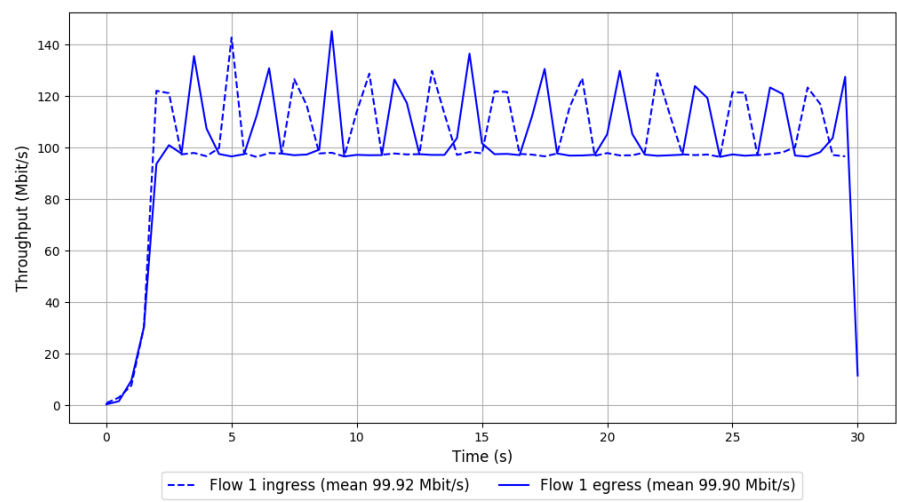
-- Flow 1:

Average throughput: 99.90 Mbit/s

95th percentile per-packet one-way delay: 124.893 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-03-05 20:58:16

End at: 2018-03-05 20:58:46

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.44 Mbit/s

95th percentile per-packet one-way delay: 113.629 ms

Loss rate: 0.00%

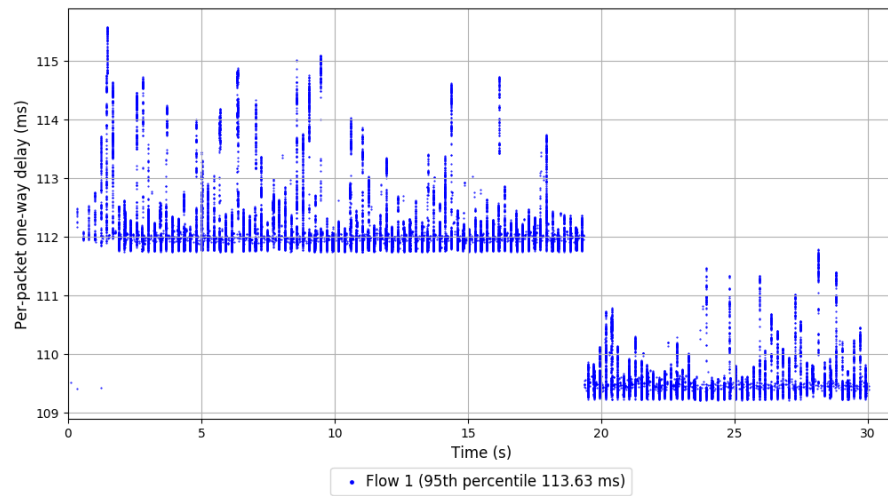
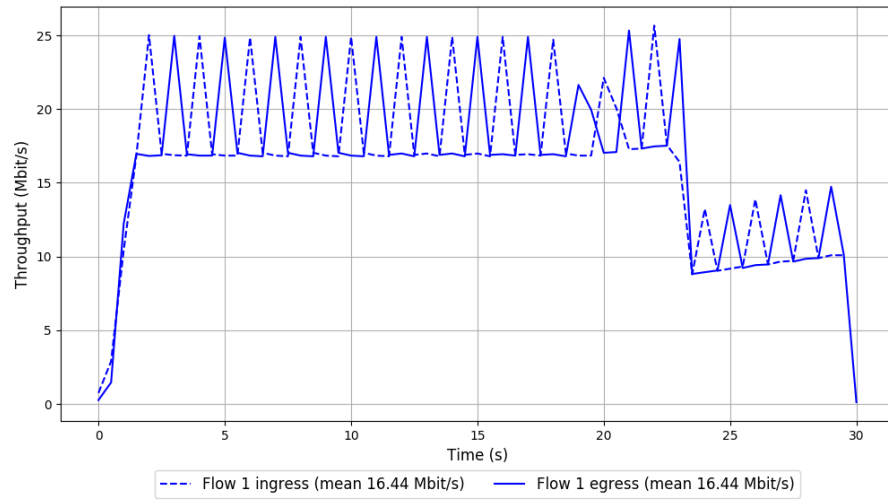
-- Flow 1:

Average throughput: 16.44 Mbit/s

95th percentile per-packet one-way delay: 113.629 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-03-05 21:13:40

End at: 2018-03-05 21:14:10

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.15 Mbit/s

95th percentile per-packet one-way delay: 123.637 ms

Loss rate: 0.00%

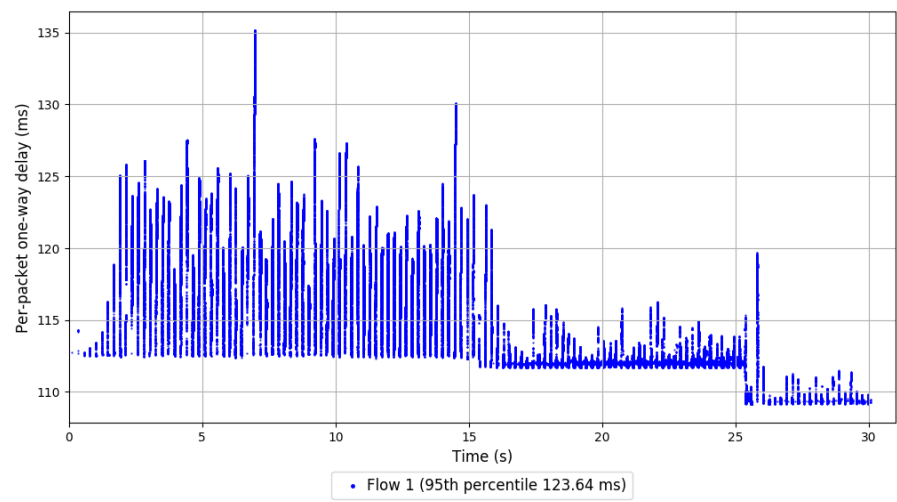
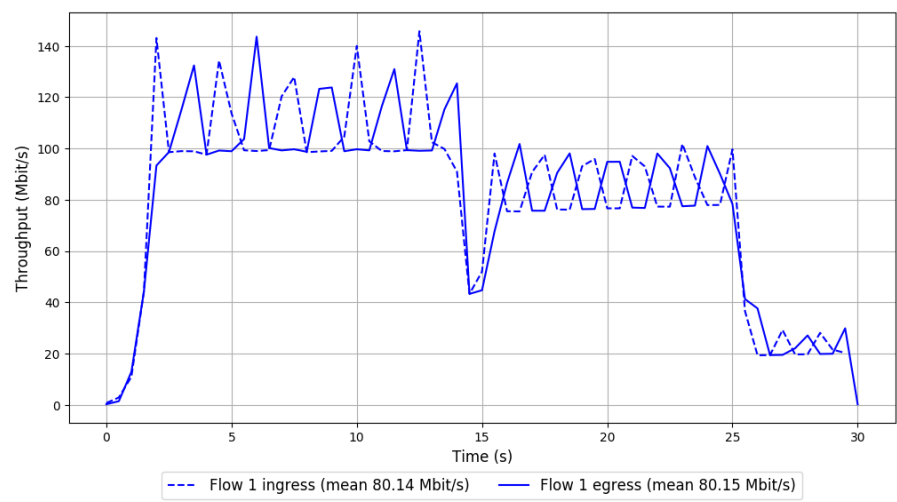
-- Flow 1:

Average throughput: 80.15 Mbit/s

95th percentile per-packet one-way delay: 123.637 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-03-05 21:29:28

End at: 2018-03-05 21:29:58

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.57 Mbit/s

95th percentile per-packet one-way delay: 114.495 ms

Loss rate: 0.00%

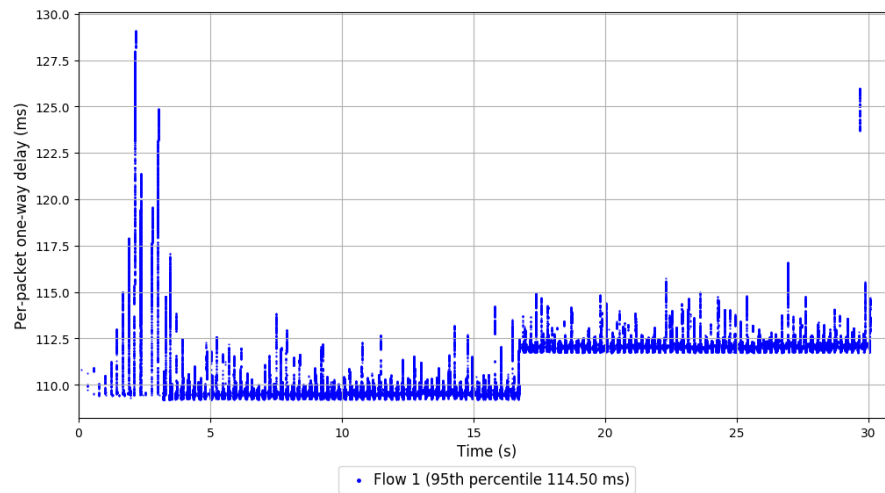
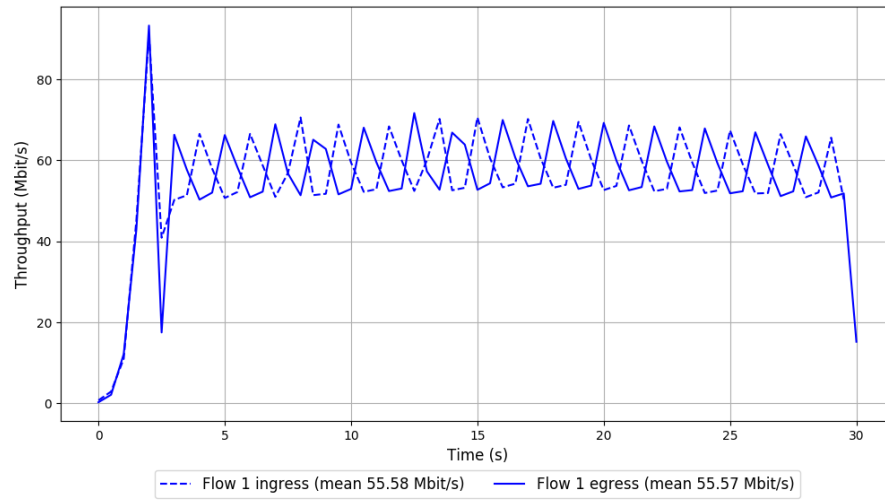
-- Flow 1:

Average throughput: 55.57 Mbit/s

95th percentile per-packet one-way delay: 114.495 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-03-05 21:44:55

End at: 2018-03-05 21:45:25

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.94 Mbit/s

95th percentile per-packet one-way delay: 122.561 ms

Loss rate: 0.00%

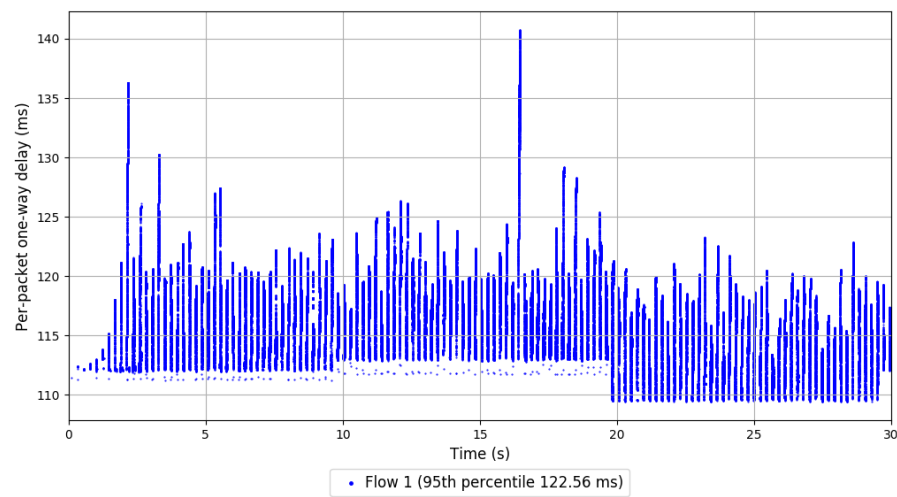
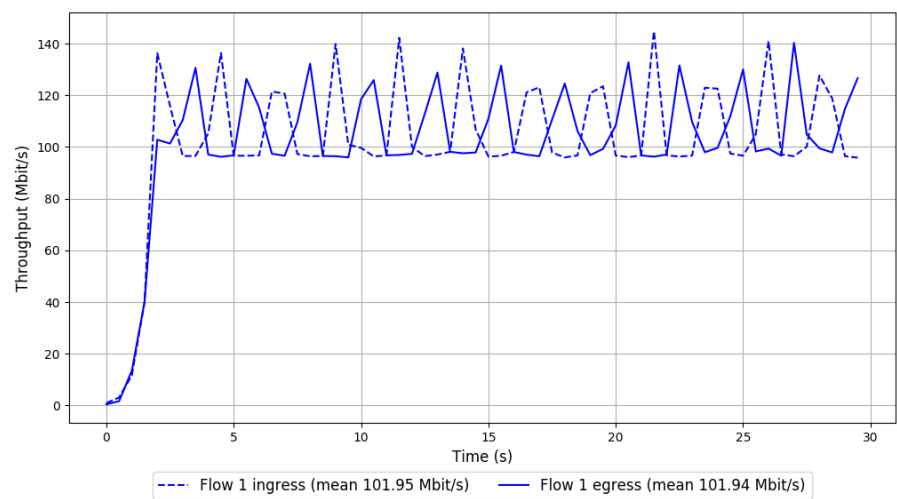
-- Flow 1:

Average throughput: 101.94 Mbit/s

95th percentile per-packet one-way delay: 122.561 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-05 22:00:07

End at: 2018-03-05 22:00:37

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.73 Mbit/s

95th percentile per-packet one-way delay: 123.583 ms

Loss rate: 0.00%

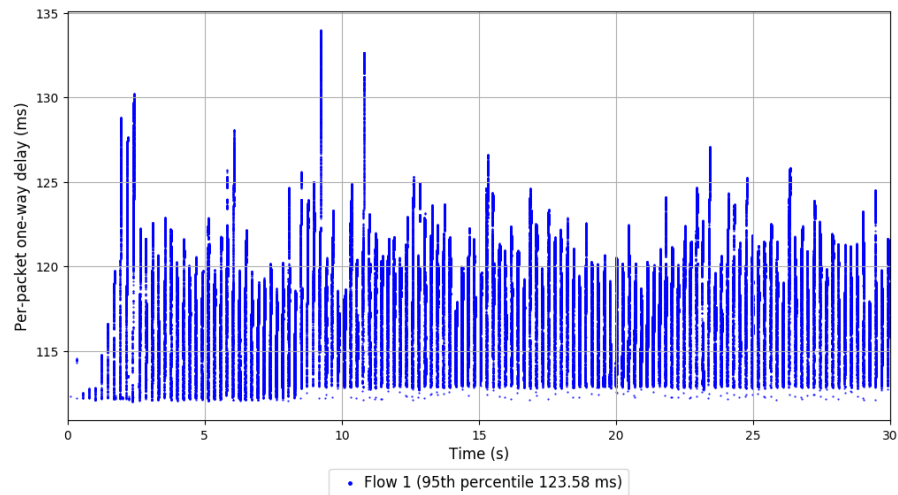
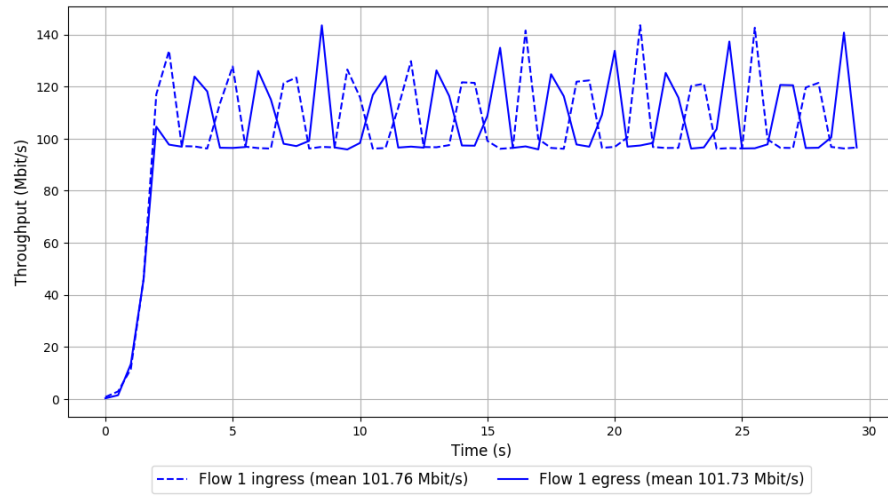
-- Flow 1:

Average throughput: 101.73 Mbit/s

95th percentile per-packet one-way delay: 123.583 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-03-05 22:15:25

End at: 2018-03-05 22:15:55

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.43 Mbit/s

95th percentile per-packet one-way delay: 115.065 ms

Loss rate: 0.00%

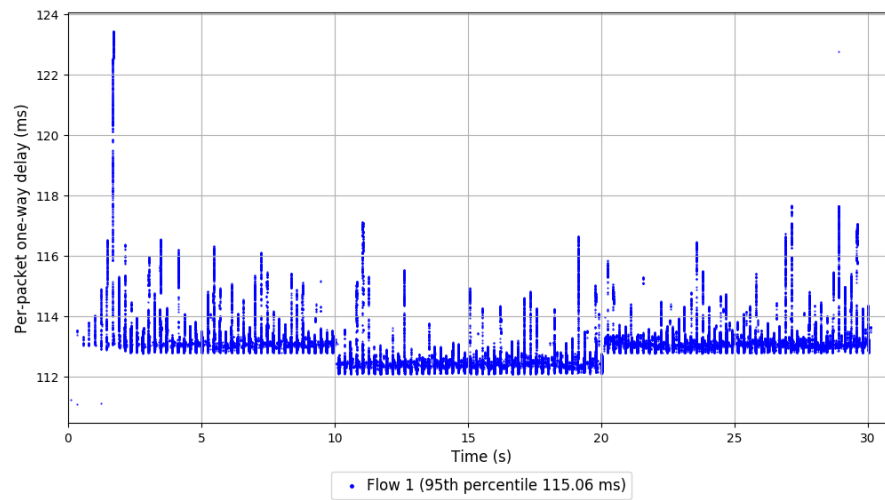
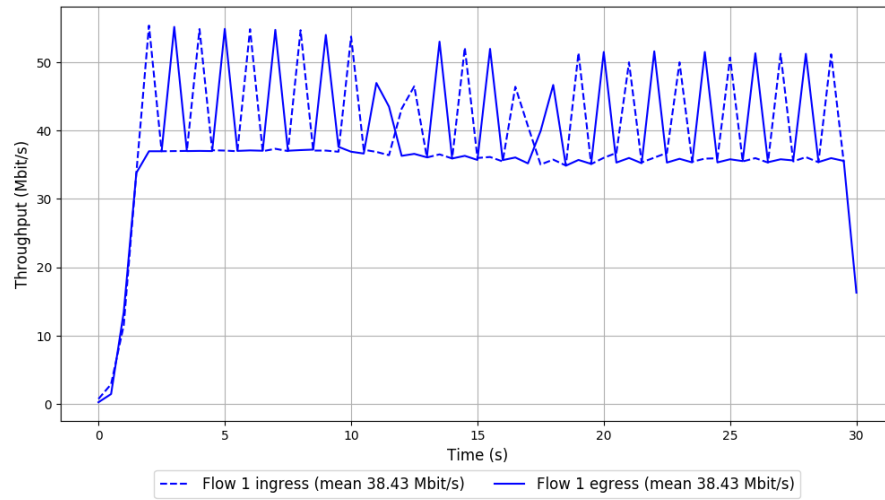
-- Flow 1:

Average throughput: 38.43 Mbit/s

95th percentile per-packet one-way delay: 115.065 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-03-05 22:30:42

End at: 2018-03-05 22:31:12

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 117.275 ms

Loss rate: 0.00%

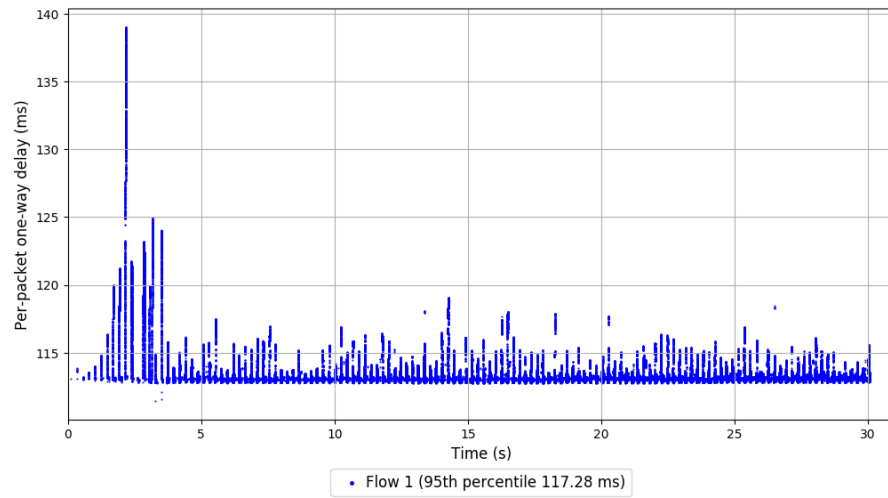
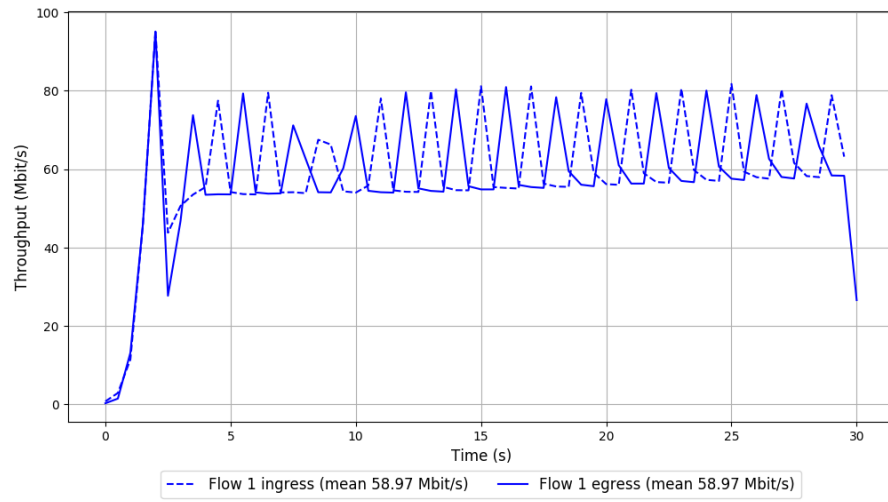
-- Flow 1:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 117.275 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-05 22:46:07

End at: 2018-03-05 22:46:37

Below is generated by plot.py at 2018-03-06 00:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.26 Mbit/s

95th percentile per-packet one-way delay: 124.090 ms

Loss rate: 0.00%

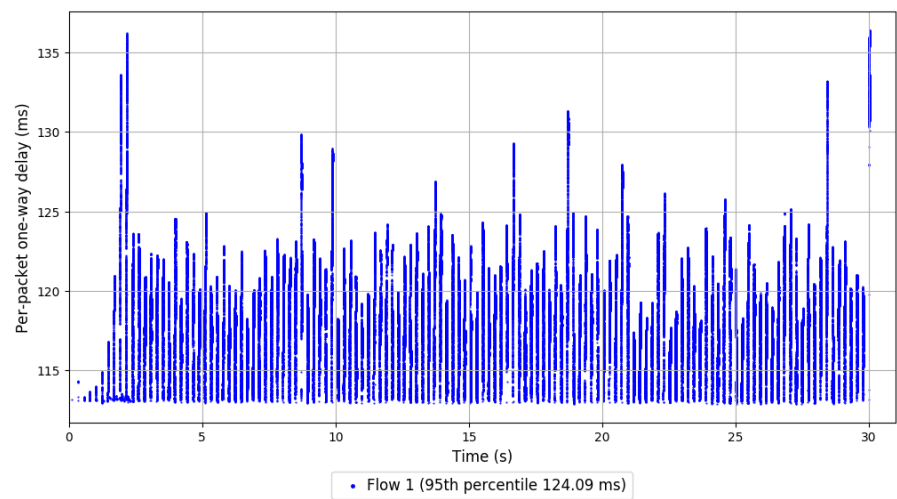
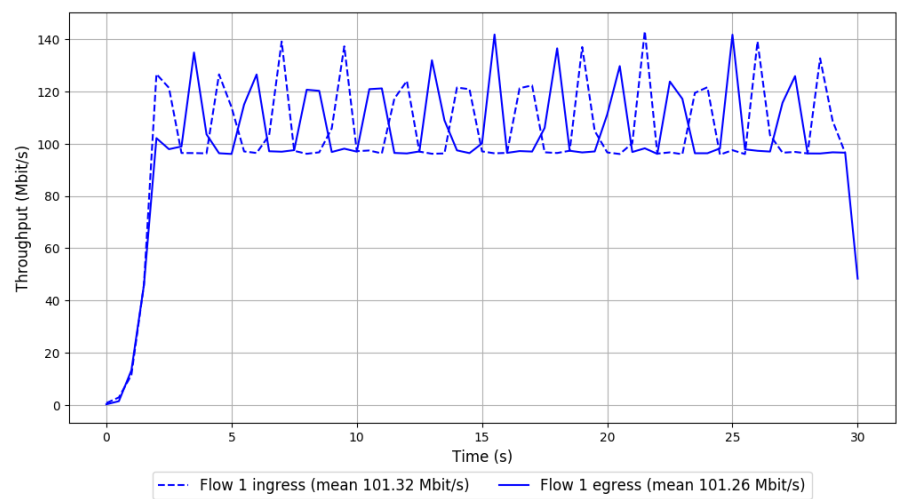
-- Flow 1:

Average throughput: 101.26 Mbit/s

95th percentile per-packet one-way delay: 124.090 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-03-05 20:30:15

End at: 2018-03-05 20:30:45

Below is generated by plot.py at 2018-03-06 00:34:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.47 Mbit/s

95th percentile per-packet one-way delay: 210.781 ms

Loss rate: 2.18%

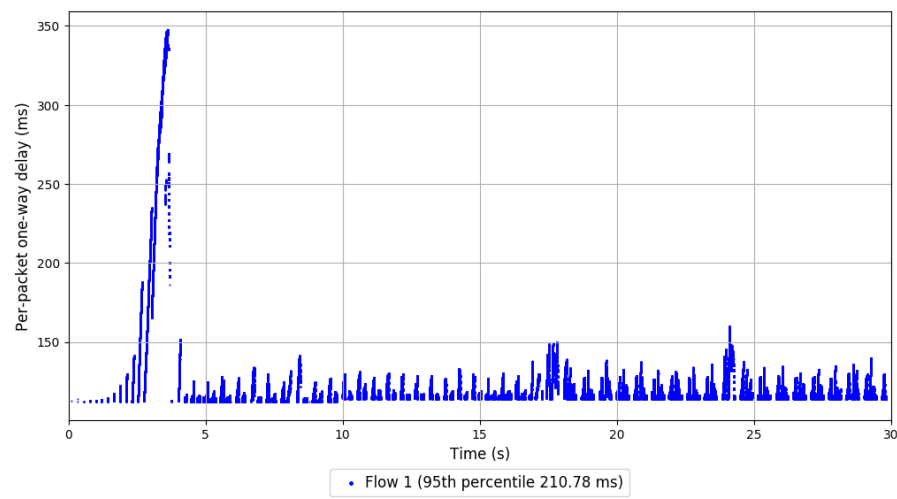
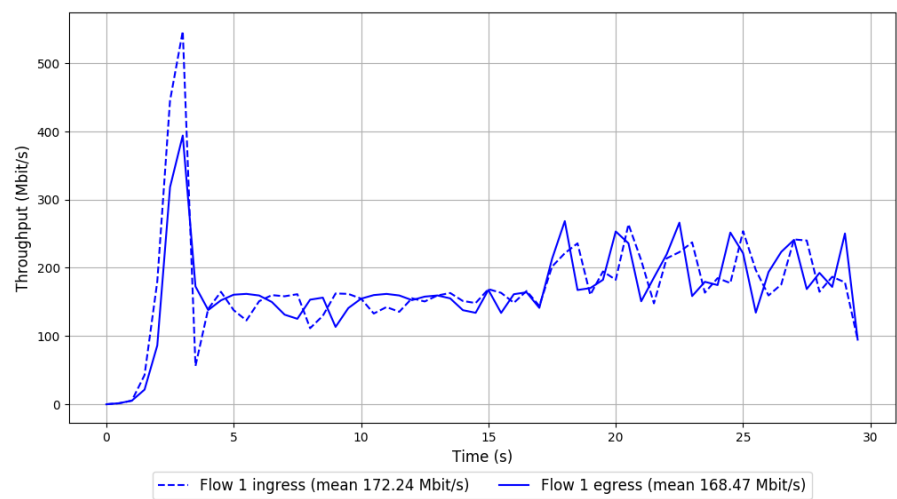
-- Flow 1:

Average throughput: 168.47 Mbit/s

95th percentile per-packet one-way delay: 210.781 ms

Loss rate: 2.18%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-05 20:45:40

End at: 2018-03-05 20:46:10

Below is generated by plot.py at 2018-03-06 00:34:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.62 Mbit/s

95th percentile per-packet one-way delay: 168.056 ms

Loss rate: 0.00%

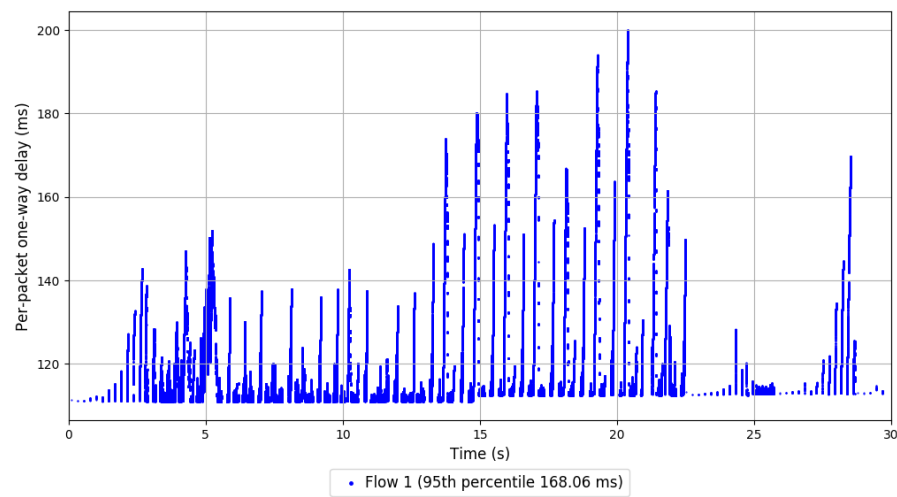
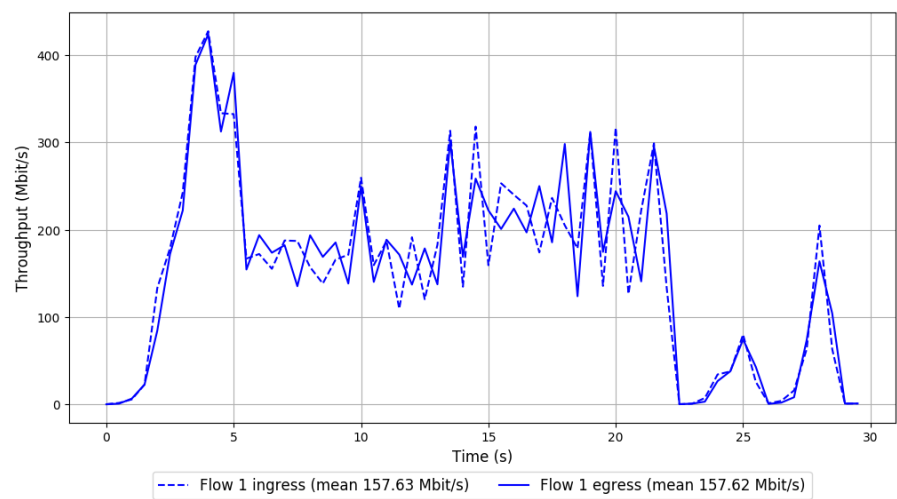
-- Flow 1:

Average throughput: 157.62 Mbit/s

95th percentile per-packet one-way delay: 168.056 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-03-05 21:01:02

End at: 2018-03-05 21:01:32

Below is generated by plot.py at 2018-03-06 00:35:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.76 Mbit/s

95th percentile per-packet one-way delay: 186.422 ms

Loss rate: 0.63%

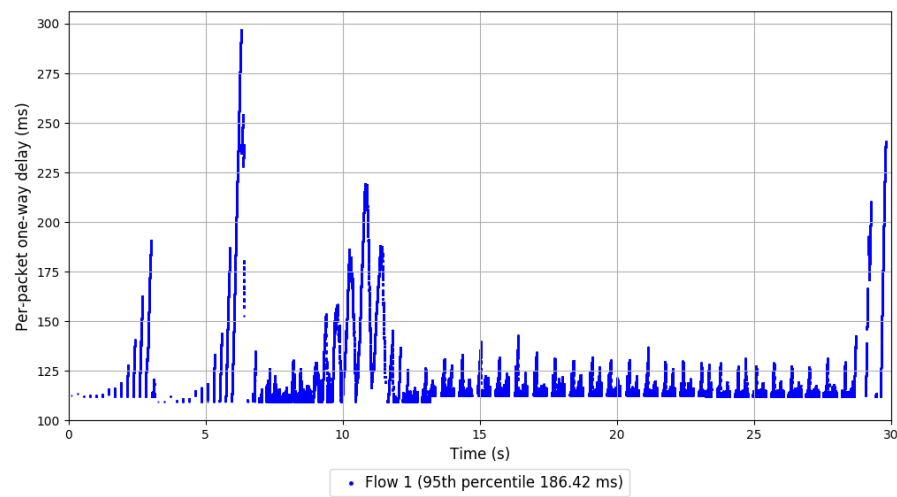
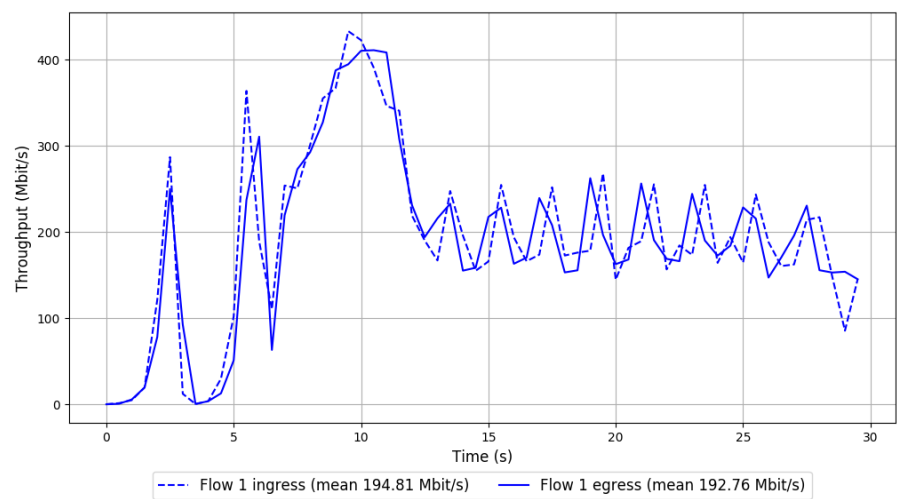
-- Flow 1:

Average throughput: 192.76 Mbit/s

95th percentile per-packet one-way delay: 186.422 ms

Loss rate: 0.63%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-03-05 21:16:29

End at: 2018-03-05 21:16:59

Below is generated by plot.py at 2018-03-06 00:35:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.53 Mbit/s

95th percentile per-packet one-way delay: 162.725 ms

Loss rate: 0.12%

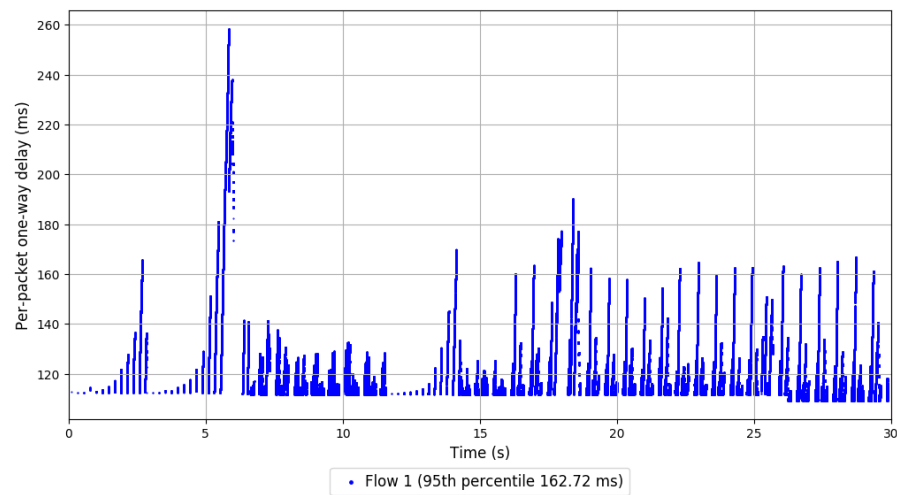
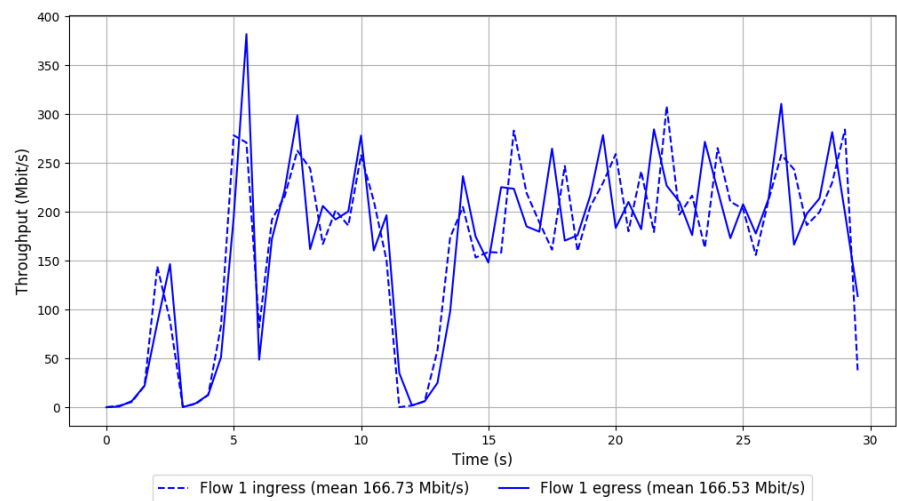
-- Flow 1:

Average throughput: 166.53 Mbit/s

95th percentile per-packet one-way delay: 162.725 ms

Loss rate: 0.12%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-03-05 21:32:19

End at: 2018-03-05 21:32:49

Below is generated by plot.py at 2018-03-06 00:35:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.24 Mbit/s

95th percentile per-packet one-way delay: 159.192 ms

Loss rate: 0.00%

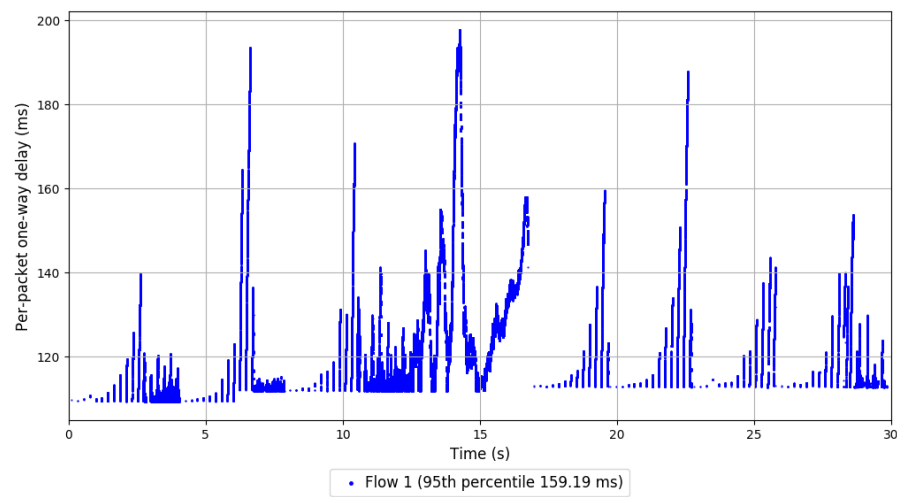
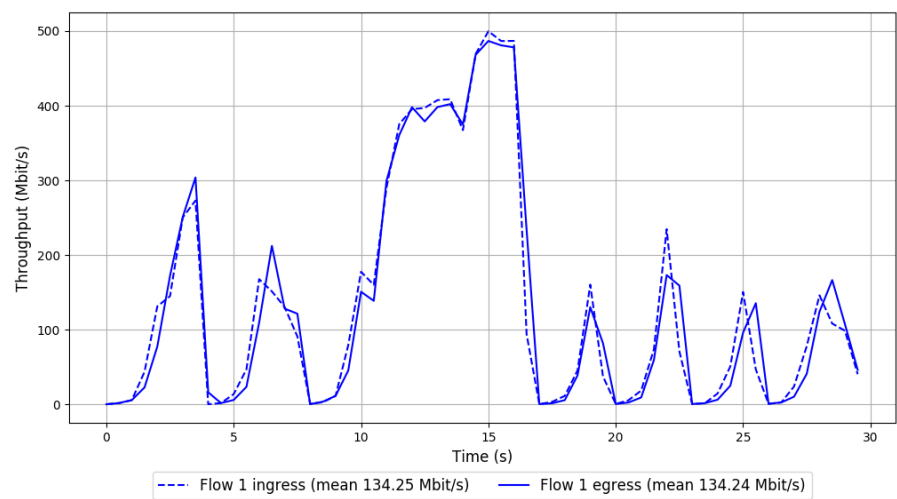
-- Flow 1:

Average throughput: 134.24 Mbit/s

95th percentile per-packet one-way delay: 159.192 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-03-05 21:47:47

End at: 2018-03-05 21:48:17

Below is generated by plot.py at 2018-03-06 00:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.63 Mbit/s

95th percentile per-packet one-way delay: 234.209 ms

Loss rate: 0.22%

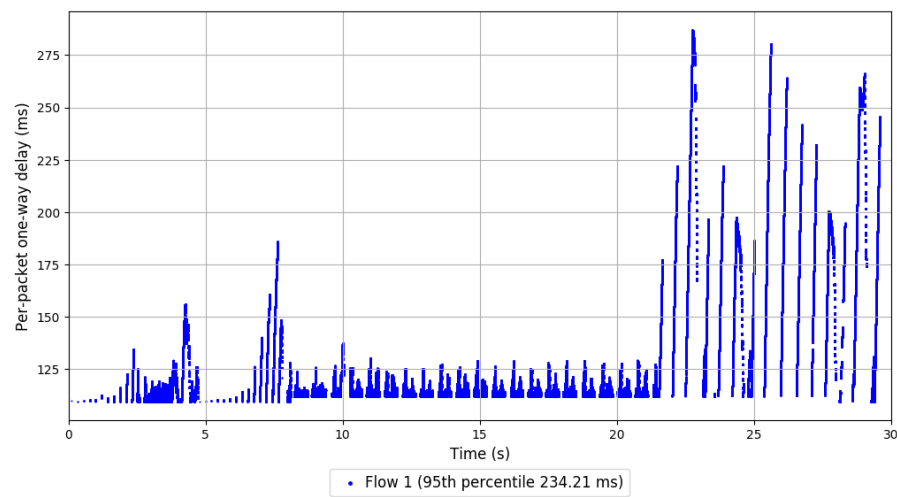
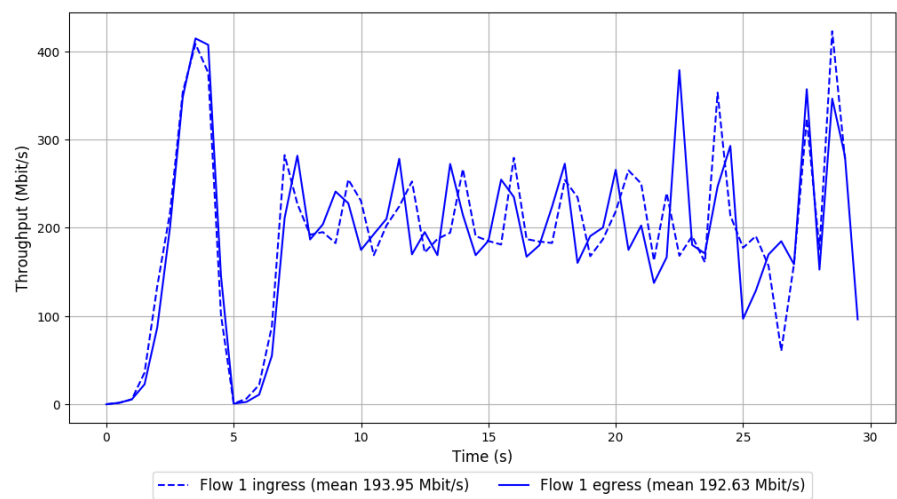
-- Flow 1:

Average throughput: 192.63 Mbit/s

95th percentile per-packet one-way delay: 234.209 ms

Loss rate: 0.22%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-03-05 22:02:58

End at: 2018-03-05 22:03:28

Below is generated by plot.py at 2018-03-06 00:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.35 Mbit/s

95th percentile per-packet one-way delay: 135.234 ms

Loss rate: 0.00%

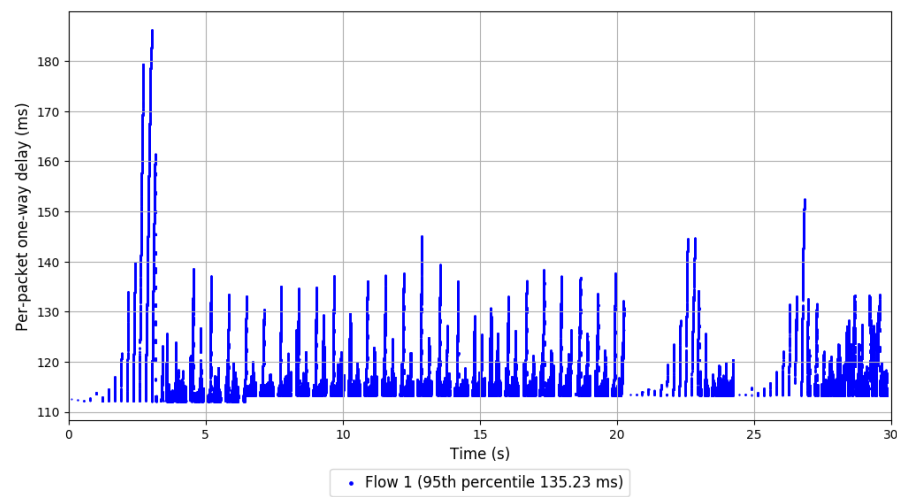
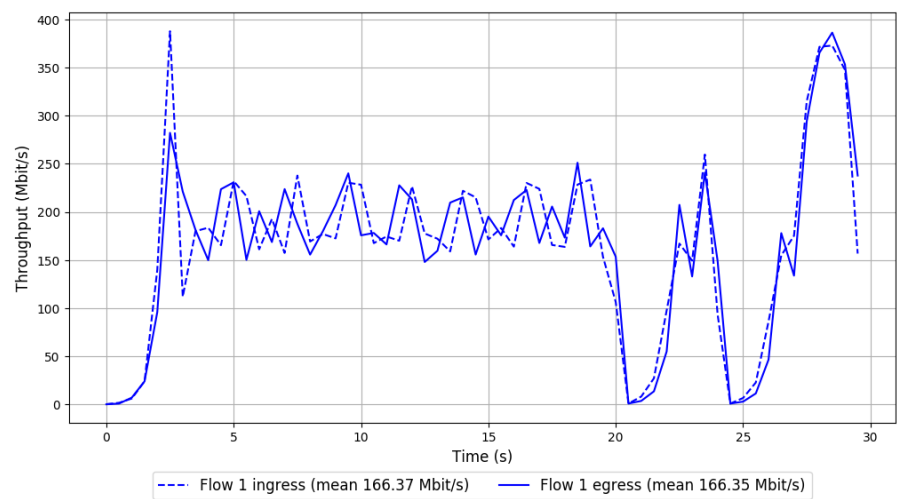
-- Flow 1:

Average throughput: 166.35 Mbit/s

95th percentile per-packet one-way delay: 135.234 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-03-05 22:18:15

End at: 2018-03-05 22:18:45

Below is generated by plot.py at 2018-03-06 00:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.34 Mbit/s

95th percentile per-packet one-way delay: 253.828 ms

Loss rate: 2.61%

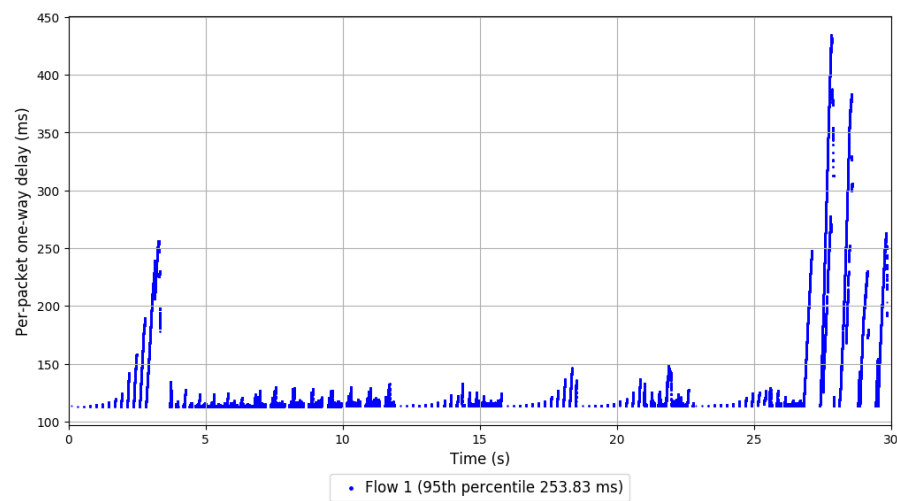
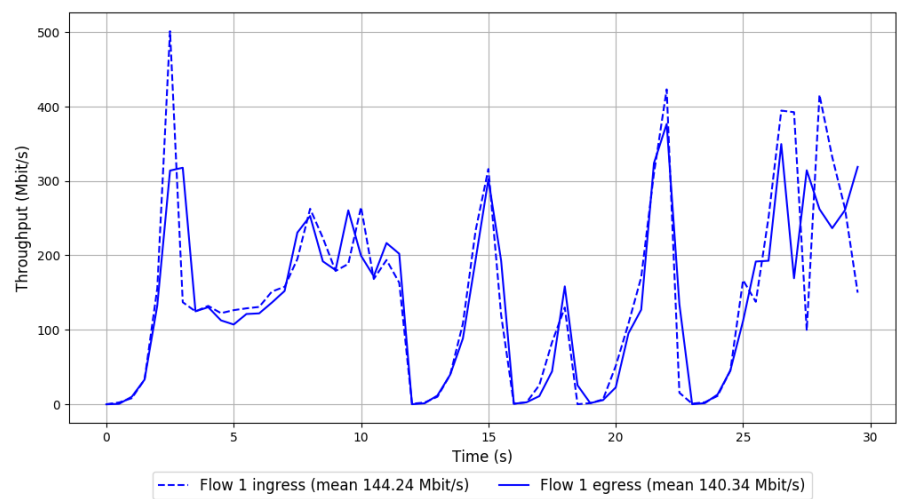
-- Flow 1:

Average throughput: 140.34 Mbit/s

95th percentile per-packet one-way delay: 253.828 ms

Loss rate: 2.61%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-03-05 22:33:32

End at: 2018-03-05 22:34:02

Below is generated by plot.py at 2018-03-06 00:37:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.75 Mbit/s

95th percentile per-packet one-way delay: 159.989 ms

Loss rate: 0.00%

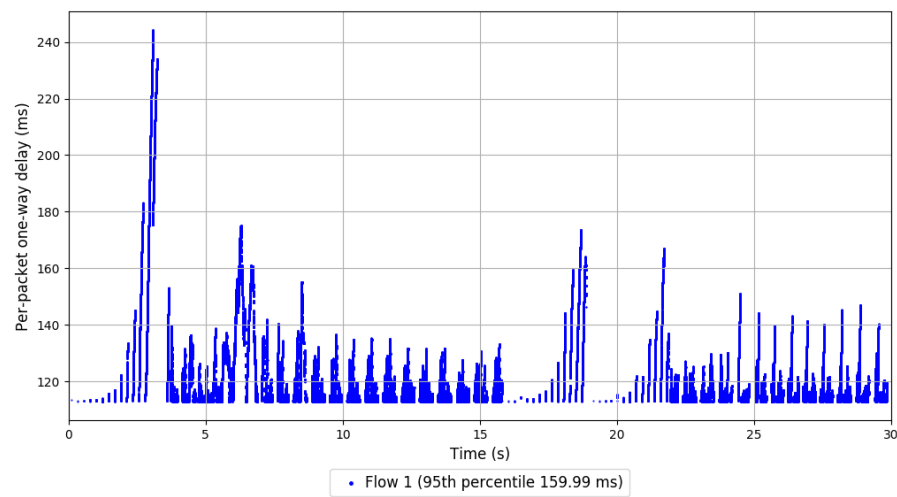
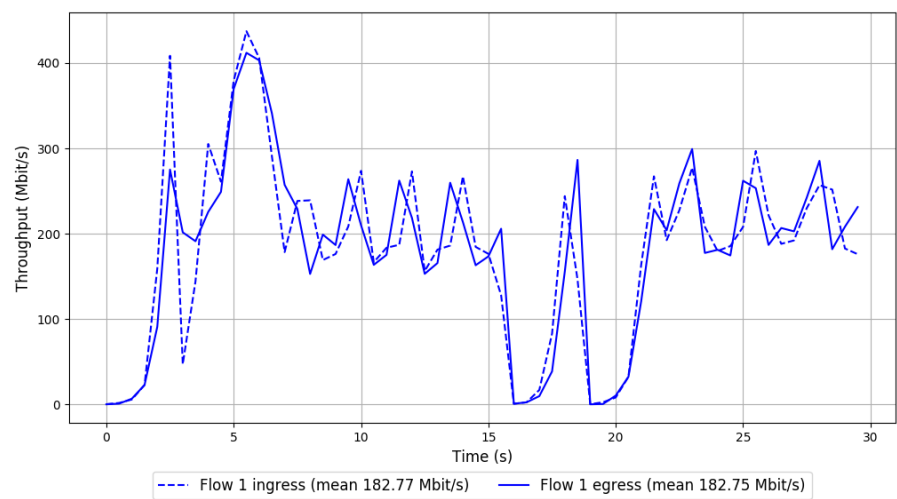
-- Flow 1:

Average throughput: 182.75 Mbit/s

95th percentile per-packet one-way delay: 159.989 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-03-05 22:49:00

End at: 2018-03-05 22:49:30

Below is generated by plot.py at 2018-03-06 00:37:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.26 Mbit/s

95th percentile per-packet one-way delay: 180.609 ms

Loss rate: 0.00%

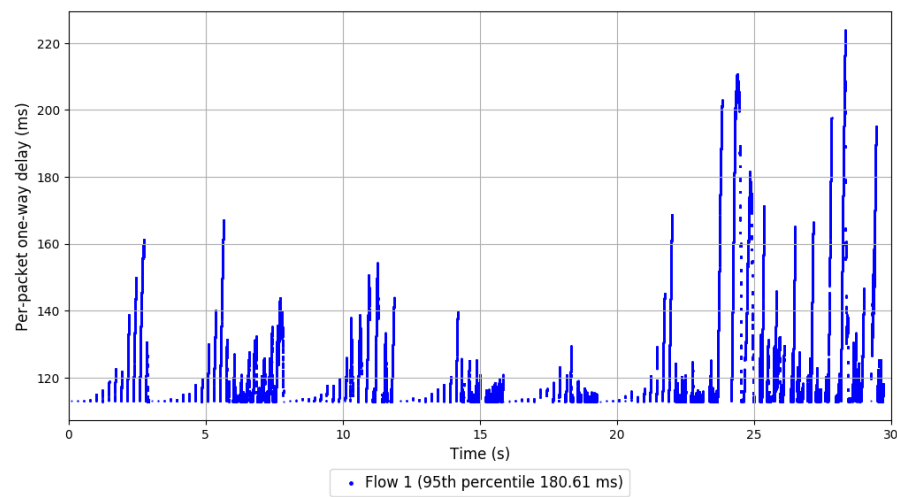
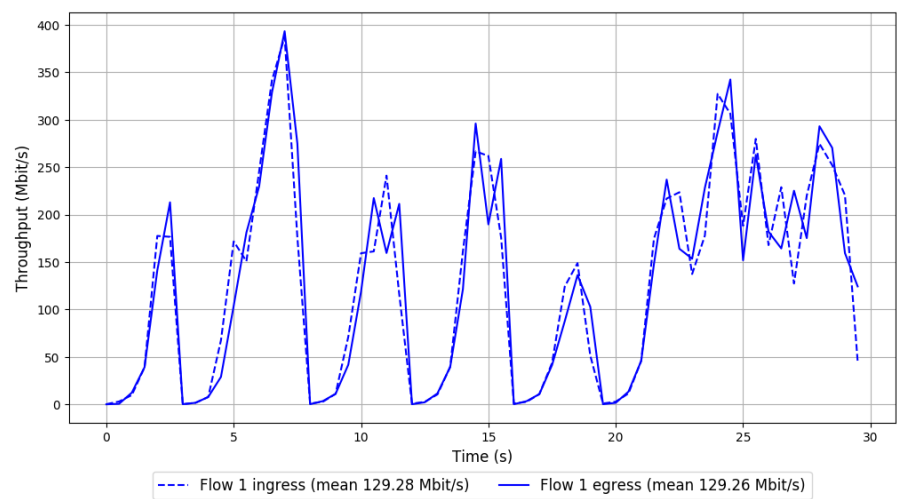
-- Flow 1:

Average throughput: 129.26 Mbit/s

95th percentile per-packet one-way delay: 180.609 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-05 20:24:16

End at: 2018-03-05 20:24:46

Below is generated by plot.py at 2018-03-06 00:37:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 112.830 ms

Loss rate: 0.00%

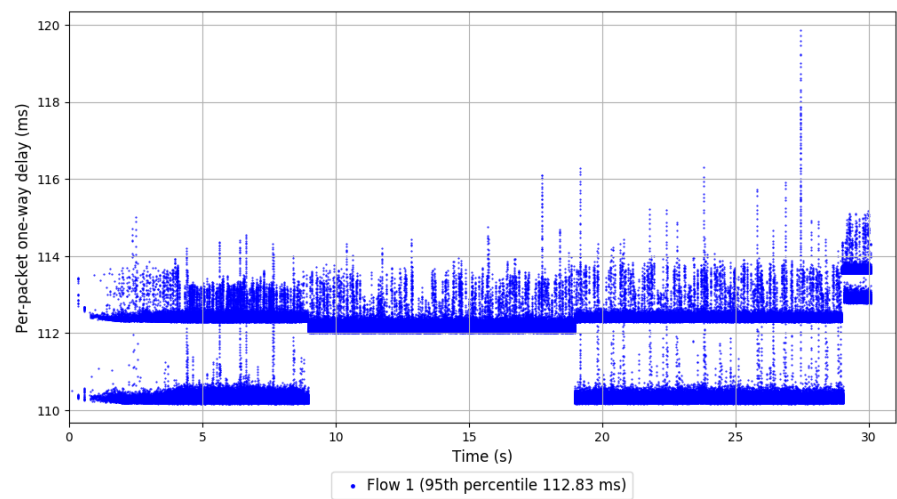
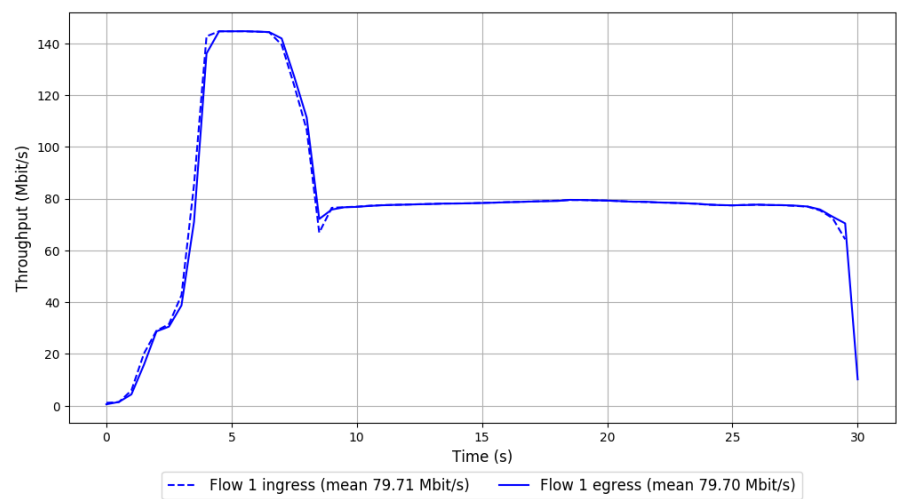
-- Flow 1:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 112.830 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-05 20:39:36

End at: 2018-03-05 20:40:06

Below is generated by plot.py at 2018-03-06 00:37:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.31 Mbit/s

95th percentile per-packet one-way delay: 113.056 ms

Loss rate: 0.00%

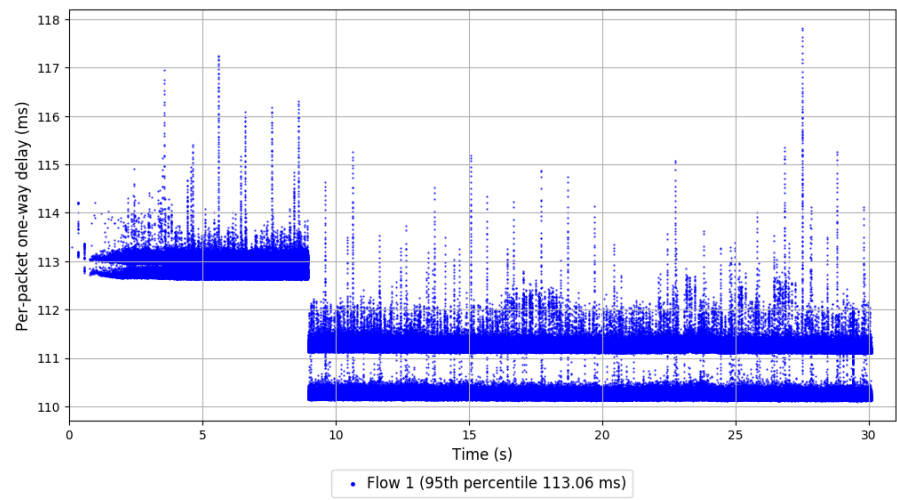
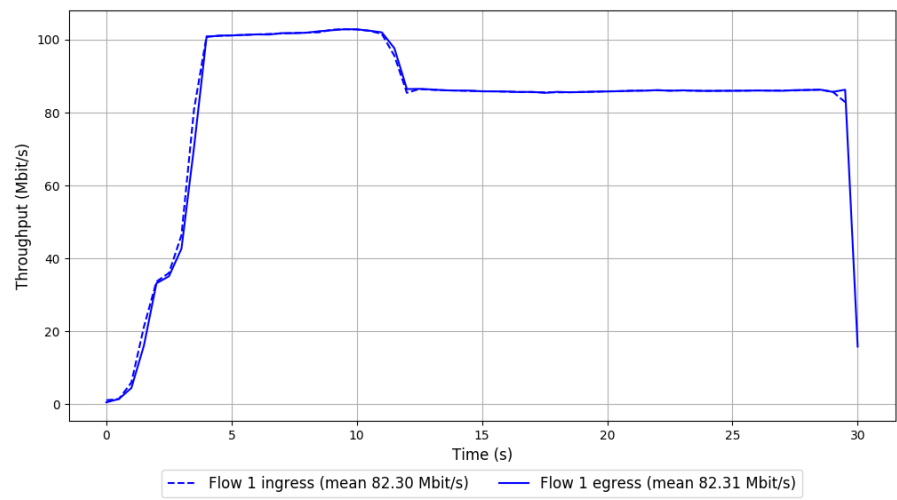
-- Flow 1:

Average throughput: 82.31 Mbit/s

95th percentile per-packet one-way delay: 113.056 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-03-05 20:54:59

End at: 2018-03-05 20:55:29

Below is generated by plot.py at 2018-03-06 00:37:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.85 Mbit/s

95th percentile per-packet one-way delay: 112.759 ms

Loss rate: 0.00%

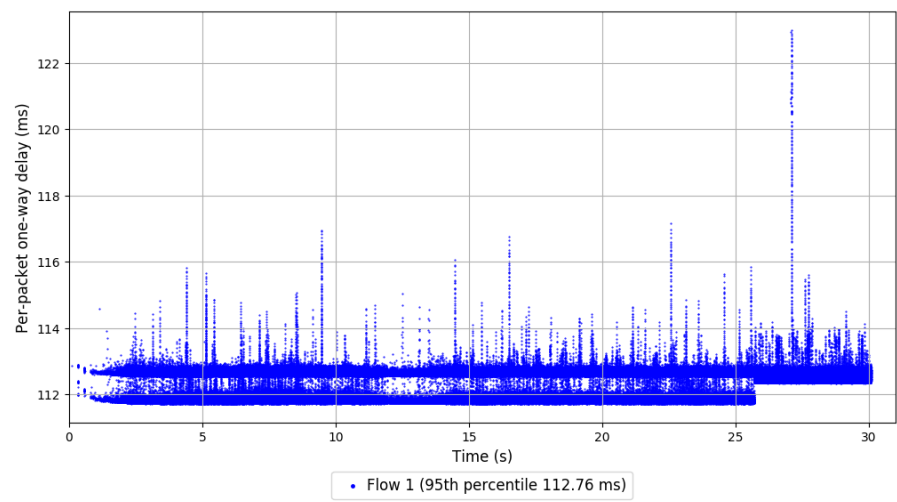
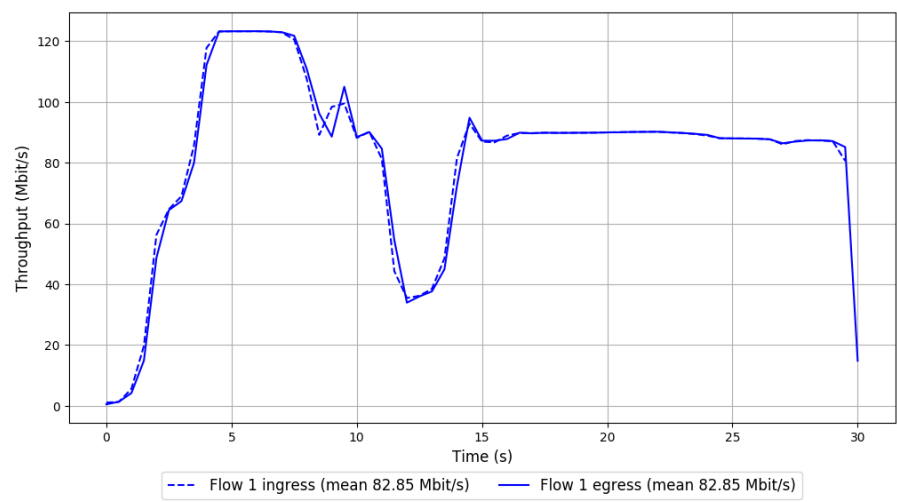
-- Flow 1:

Average throughput: 82.85 Mbit/s

95th percentile per-packet one-way delay: 112.759 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-03-05 21:10:25

End at: 2018-03-05 21:10:55

Below is generated by plot.py at 2018-03-06 00:37:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.94 Mbit/s

95th percentile per-packet one-way delay: 112.564 ms

Loss rate: 0.00%

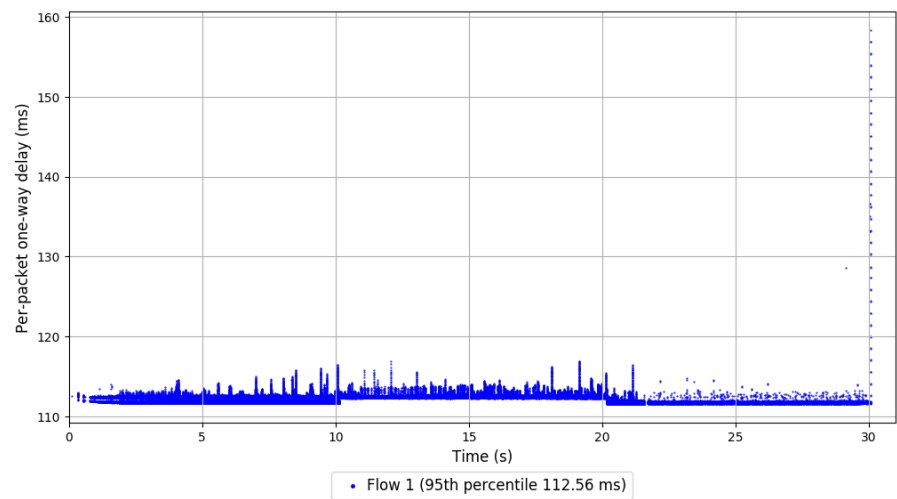
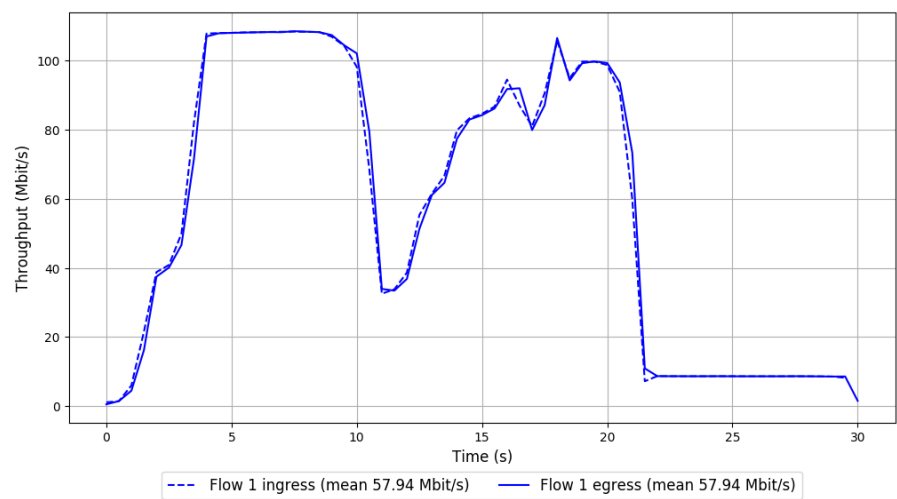
-- Flow 1:

Average throughput: 57.94 Mbit/s

95th percentile per-packet one-way delay: 112.564 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-05 21:25:59

End at: 2018-03-05 21:26:29

Below is generated by plot.py at 2018-03-06 00:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.10 Mbit/s

95th percentile per-packet one-way delay: 317.506 ms

Loss rate: 39.34%

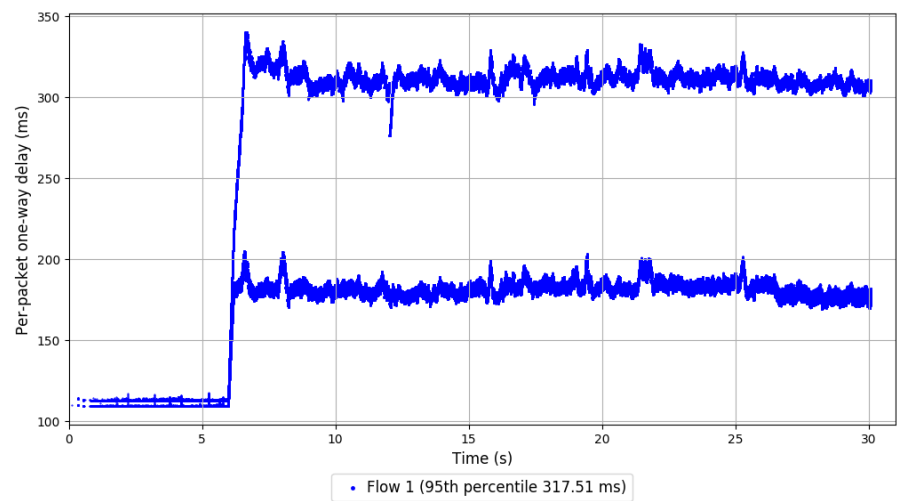
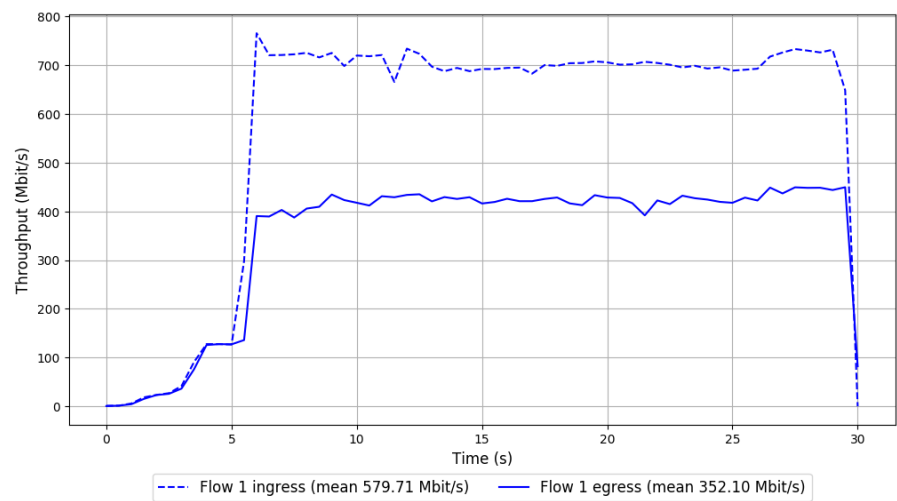
-- Flow 1:

Average throughput: 352.10 Mbit/s

95th percentile per-packet one-way delay: 317.506 ms

Loss rate: 39.34%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-05 21:41:37

End at: 2018-03-05 21:42:07

Below is generated by plot.py at 2018-03-06 00:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.04 Mbit/s

95th percentile per-packet one-way delay: 112.885 ms

Loss rate: 0.00%

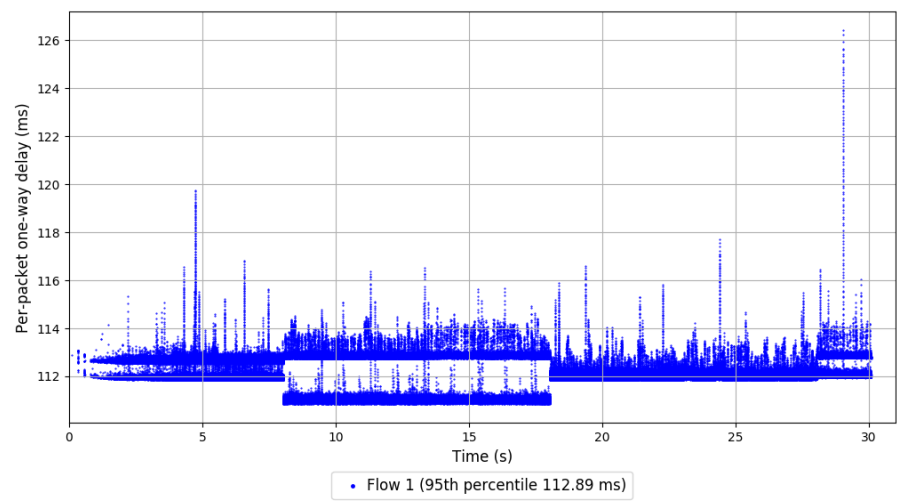
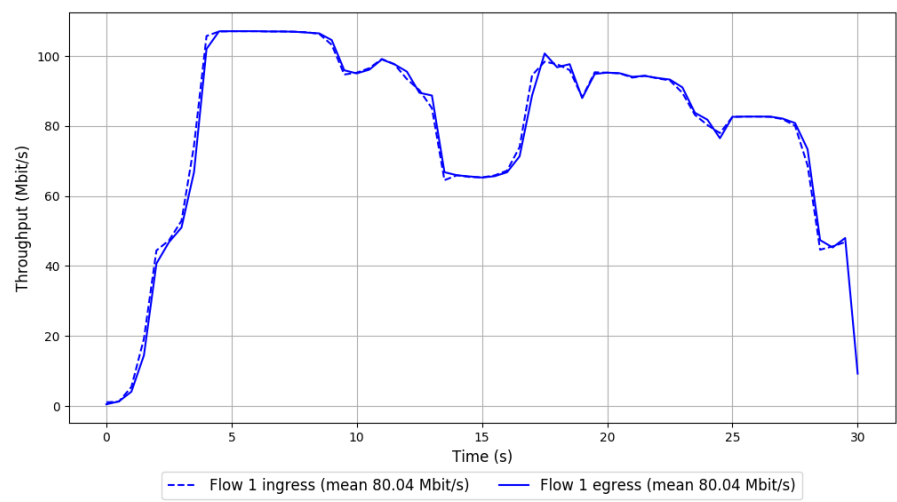
-- Flow 1:

Average throughput: 80.04 Mbit/s

95th percentile per-packet one-way delay: 112.885 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-03-05 21:57:01

End at: 2018-03-05 21:57:31

Below is generated by plot.py at 2018-03-06 00:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 112.823 ms

Loss rate: 0.00%

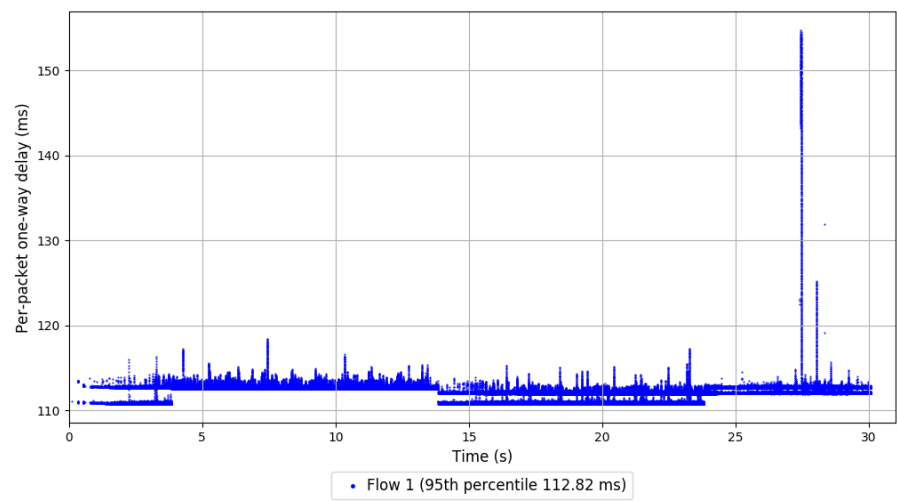
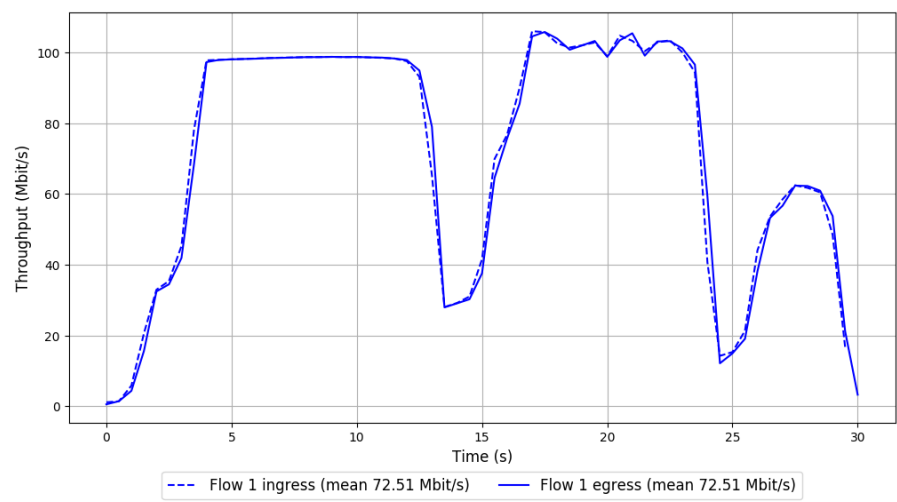
-- Flow 1:

Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 112.823 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-05 22:12:12

End at: 2018-03-05 22:12:42

Below is generated by plot.py at 2018-03-06 00:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.31 Mbit/s

95th percentile per-packet one-way delay: 113.498 ms

Loss rate: 0.00%

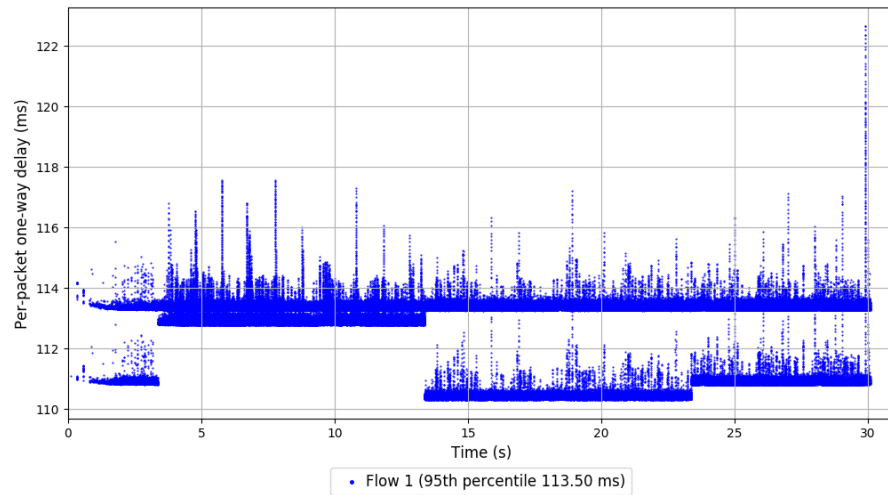
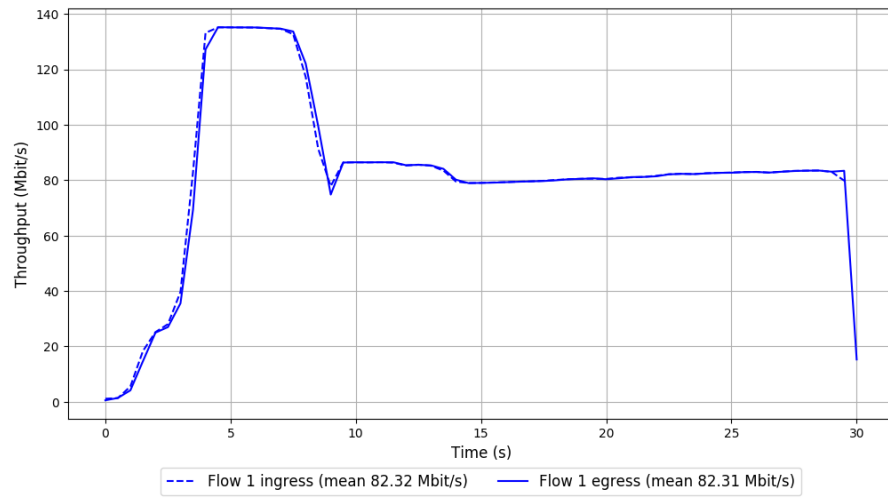
-- Flow 1:

Average throughput: 82.31 Mbit/s

95th percentile per-packet one-way delay: 113.498 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-03-05 22:27:24

End at: 2018-03-05 22:27:54

Below is generated by plot.py at 2018-03-06 00:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.65 Mbit/s

95th percentile per-packet one-way delay: 113.079 ms

Loss rate: 0.01%

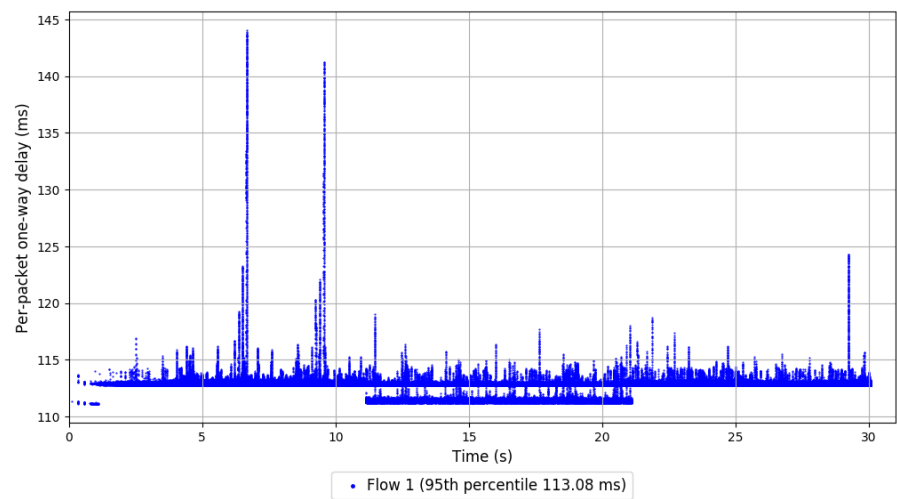
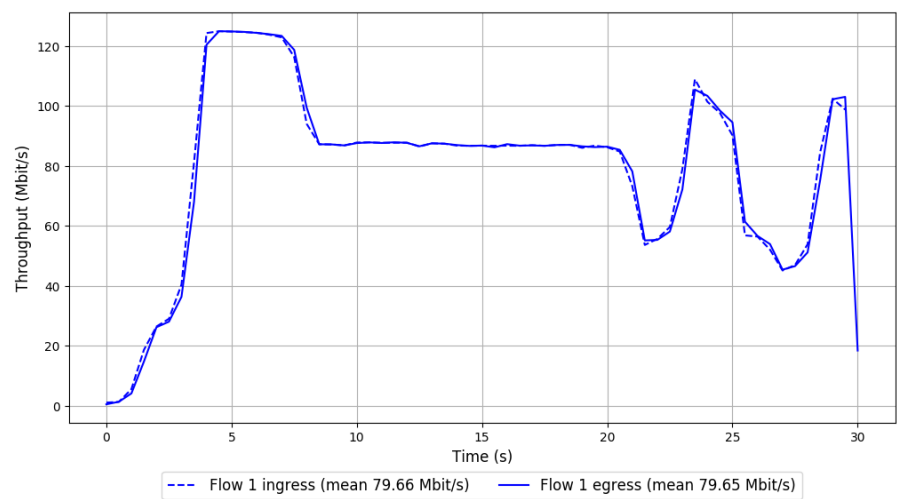
-- Flow 1:

Average throughput: 79.65 Mbit/s

95th percentile per-packet one-way delay: 113.079 ms

Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-03-05 22:42:52

End at: 2018-03-05 22:43:22

Below is generated by plot.py at 2018-03-06 00:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.74 Mbit/s

95th percentile per-packet one-way delay: 113.129 ms

Loss rate: 0.00%

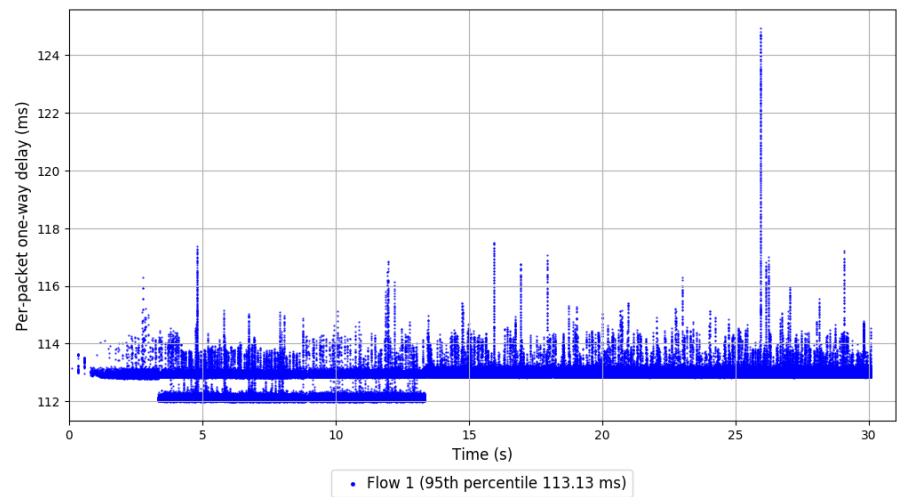
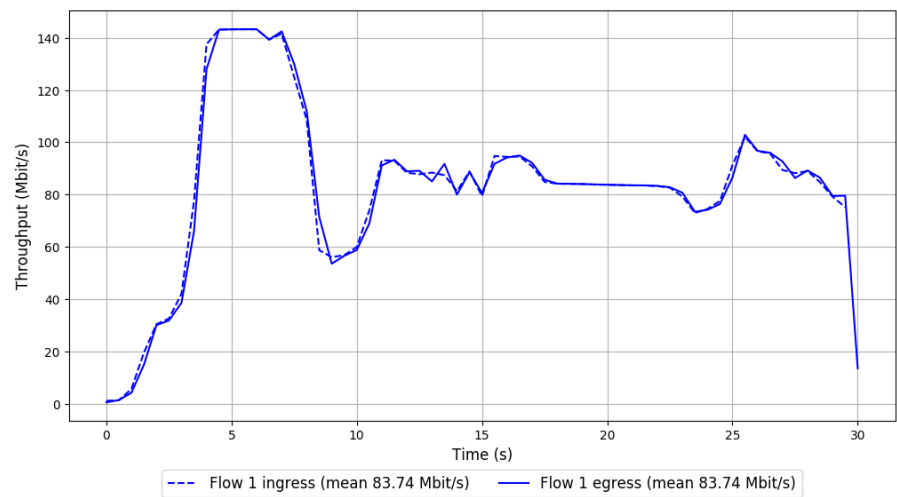
-- Flow 1:

Average throughput: 83.74 Mbit/s

95th percentile per-packet one-way delay: 113.129 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

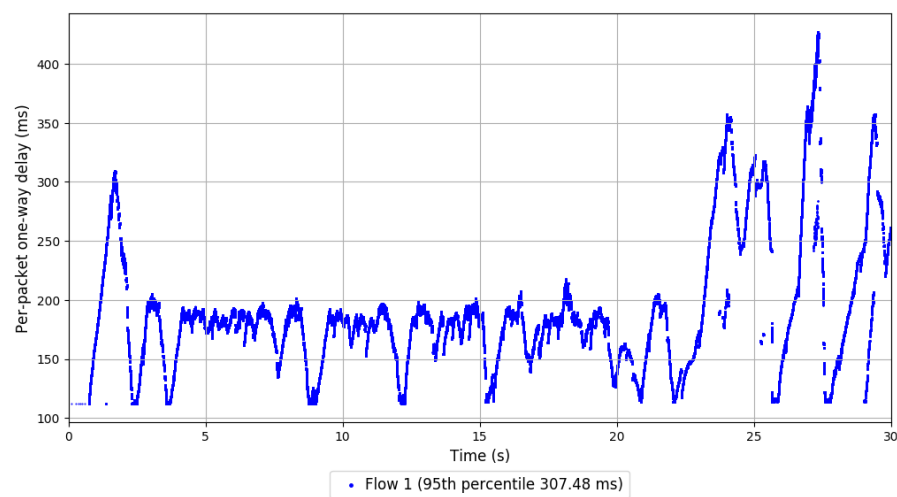
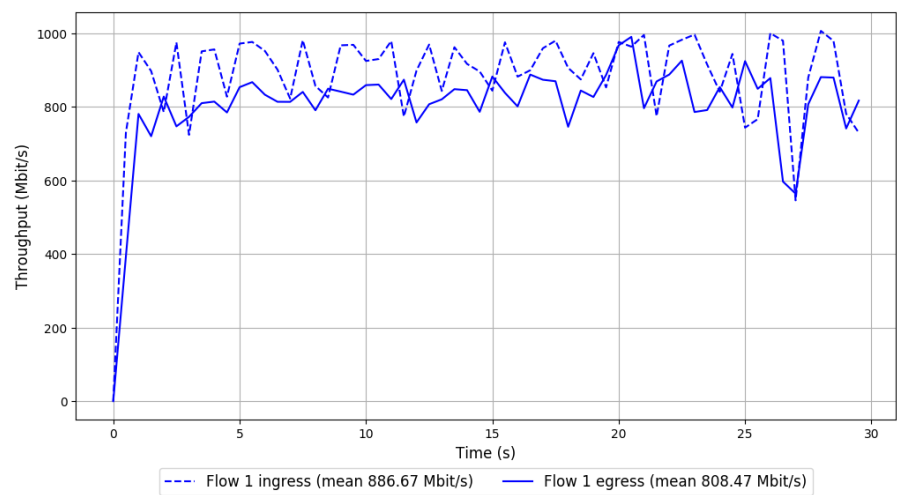


```
Run 1: Statistics of FillP

Start at: 2018-03-05 20:28:11
End at: 2018-03-05 20:28:41

# Below is generated by plot.py at 2018-03-06 00:51:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 808.47 Mbit/s
95th percentile per-packet one-way delay: 307.483 ms
Loss rate: 8.81%
-- Flow 1:
Average throughput: 808.47 Mbit/s
95th percentile per-packet one-way delay: 307.483 ms
Loss rate: 8.81%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-03-05 20:43:34

End at: 2018-03-05 20:44:04

Below is generated by plot.py at 2018-03-06 00:52:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 836.97 Mbit/s

95th percentile per-packet one-way delay: 209.710 ms

Loss rate: 7.15%

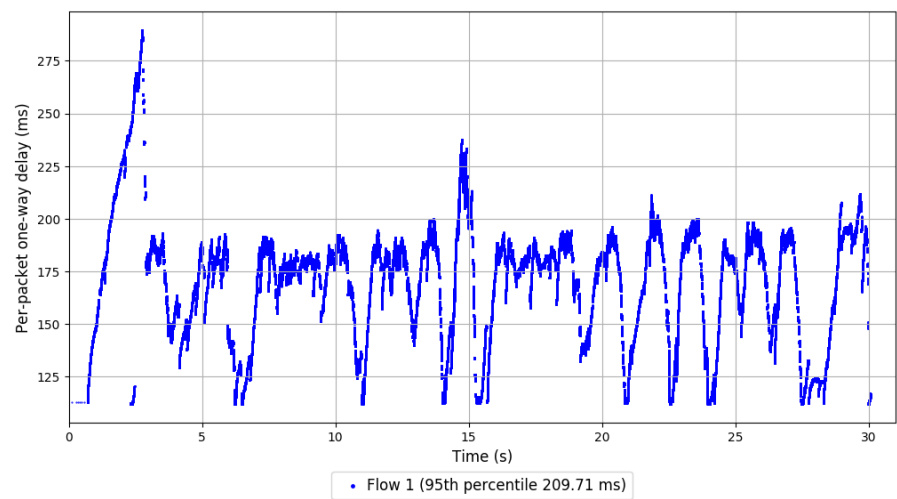
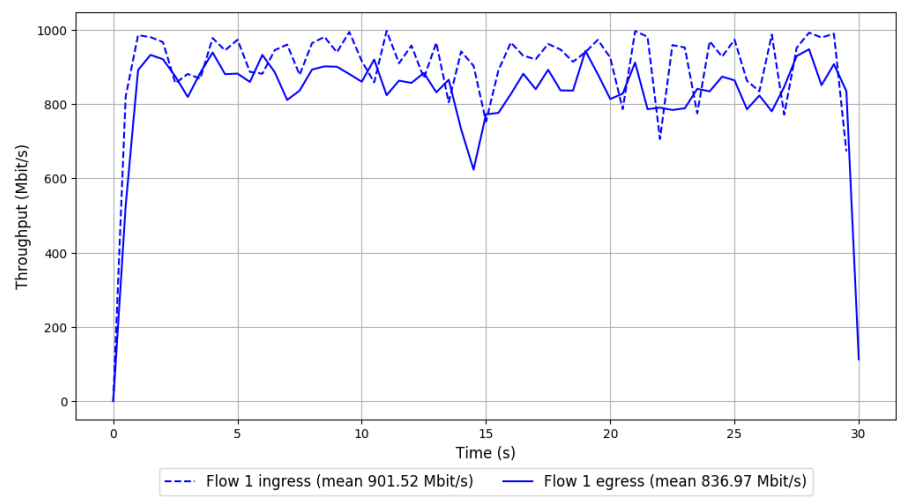
-- Flow 1:

Average throughput: 836.97 Mbit/s

95th percentile per-packet one-way delay: 209.710 ms

Loss rate: 7.15%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-03-05 20:58:58

End at: 2018-03-05 20:59:28

Below is generated by plot.py at 2018-03-06 00:52:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 761.79 Mbit/s

95th percentile per-packet one-way delay: 226.852 ms

Loss rate: 9.71%

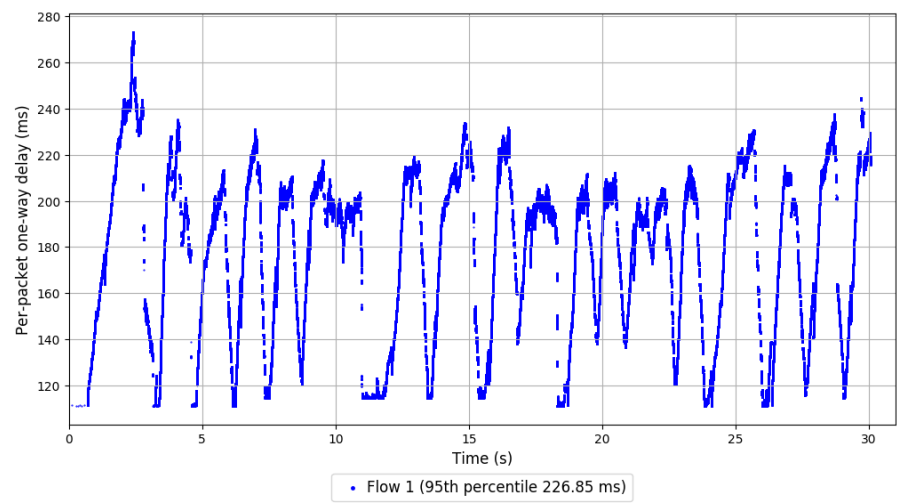
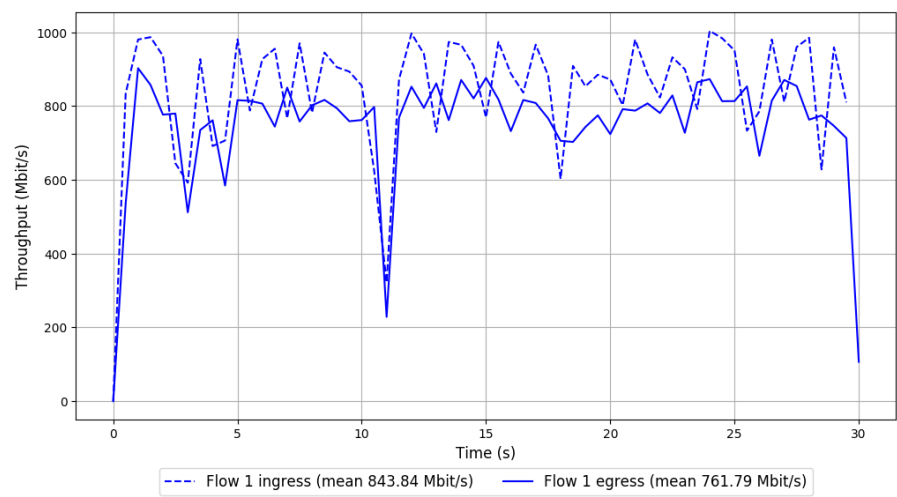
-- Flow 1:

Average throughput: 761.79 Mbit/s

95th percentile per-packet one-way delay: 226.852 ms

Loss rate: 9.71%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-03-05 21:14:25

End at: 2018-03-05 21:14:55

Below is generated by plot.py at 2018-03-06 00:52:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 735.78 Mbit/s

95th percentile per-packet one-way delay: 217.682 ms

Loss rate: 12.19%

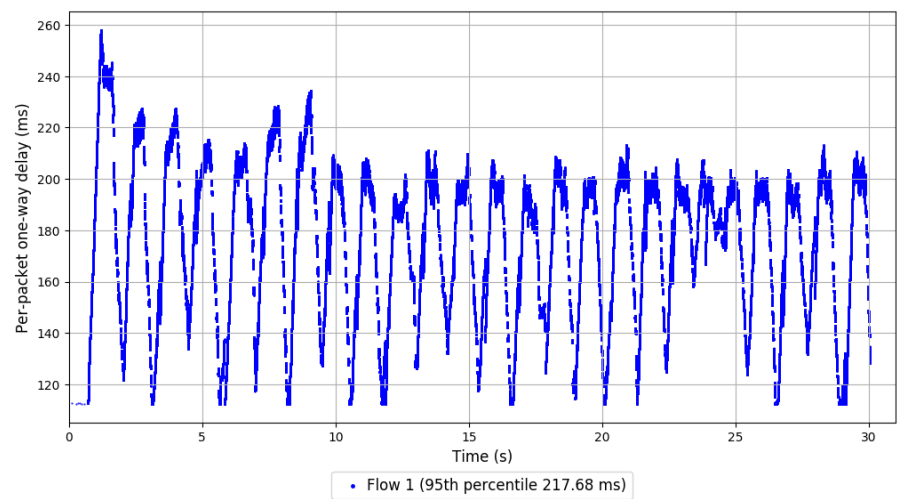
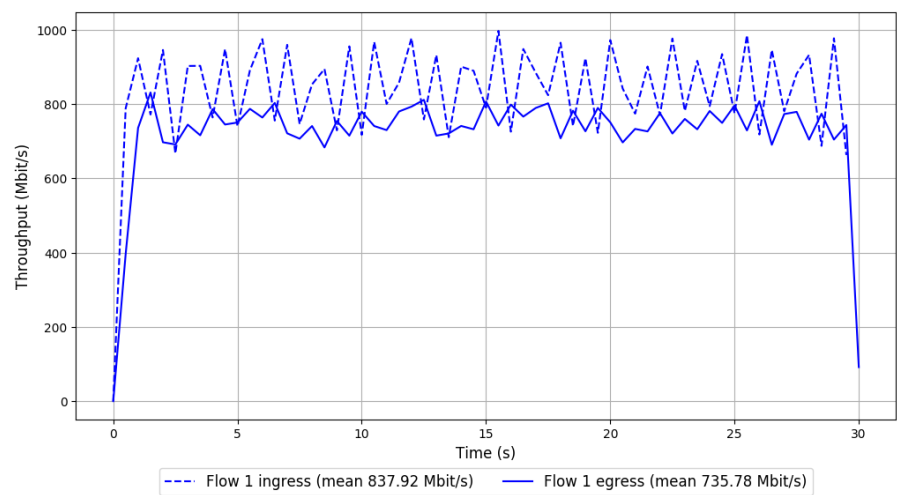
-- Flow 1:

Average throughput: 735.78 Mbit/s

95th percentile per-packet one-way delay: 217.682 ms

Loss rate: 12.19%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-03-05 21:30:12

End at: 2018-03-05 21:30:42

Below is generated by plot.py at 2018-03-06 00:53:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 839.21 Mbit/s

95th percentile per-packet one-way delay: 208.924 ms

Loss rate: 7.10%

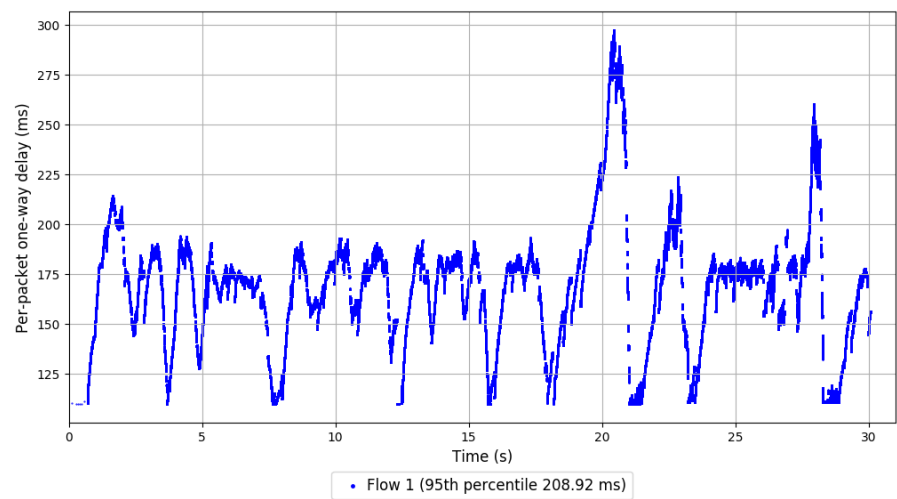
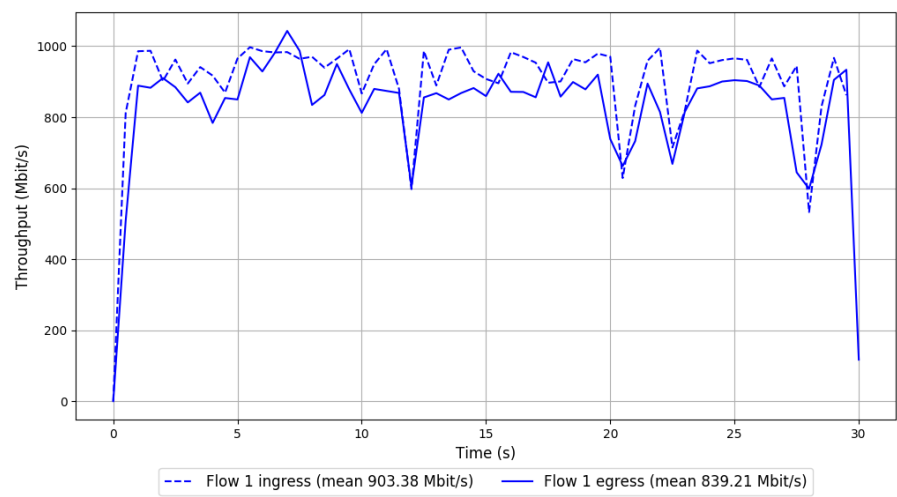
-- Flow 1:

Average throughput: 839.21 Mbit/s

95th percentile per-packet one-way delay: 208.924 ms

Loss rate: 7.10%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-05 21:45:42

End at: 2018-03-05 21:46:12

Below is generated by plot.py at 2018-03-06 00:53:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 785.64 Mbit/s

95th percentile per-packet one-way delay: 199.318 ms

Loss rate: 9.90%

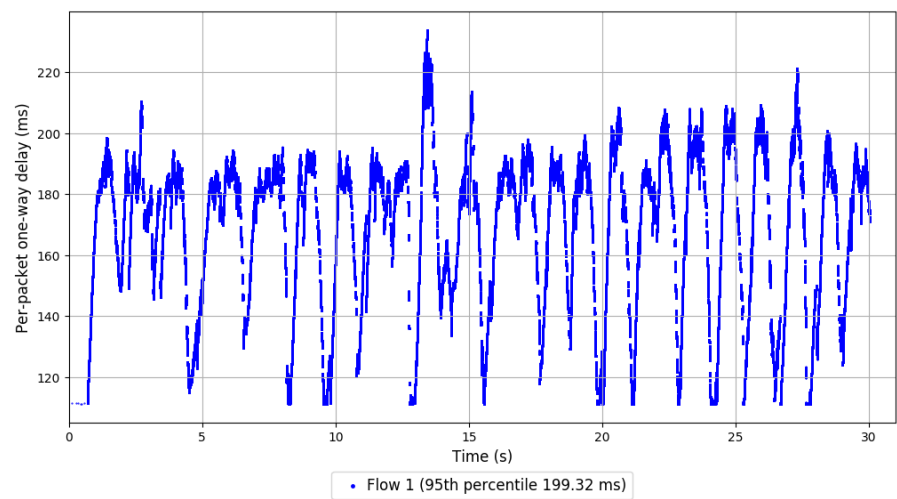
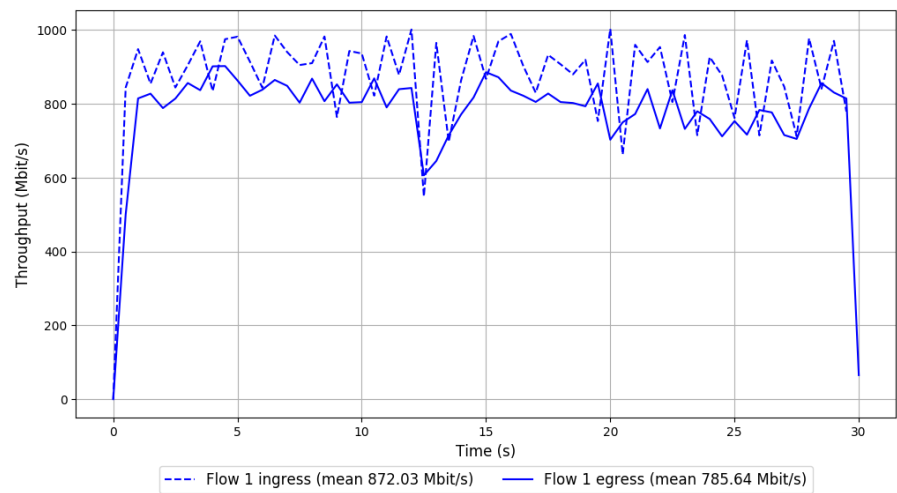
-- Flow 1:

Average throughput: 785.64 Mbit/s

95th percentile per-packet one-way delay: 199.318 ms

Loss rate: 9.90%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-05 22:00:53

End at: 2018-03-05 22:01:23

Below is generated by plot.py at 2018-03-06 00:53:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 784.03 Mbit/s

95th percentile per-packet one-way delay: 208.832 ms

Loss rate: 9.36%

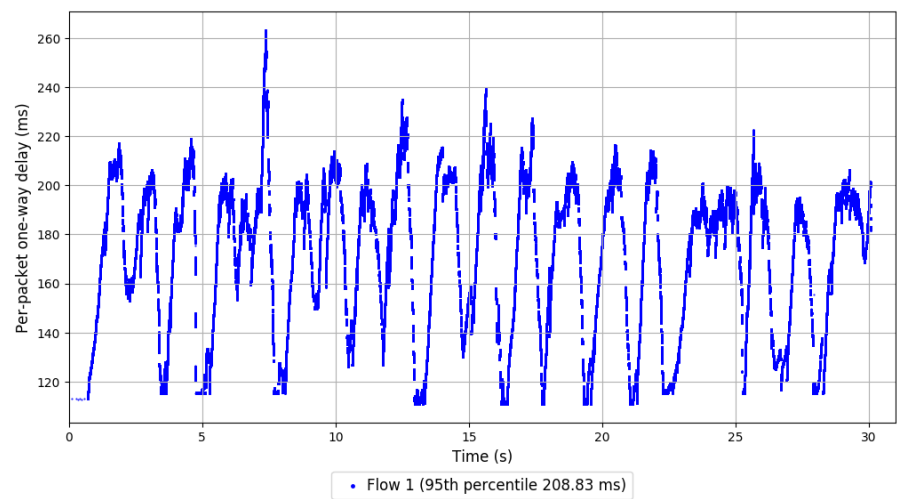
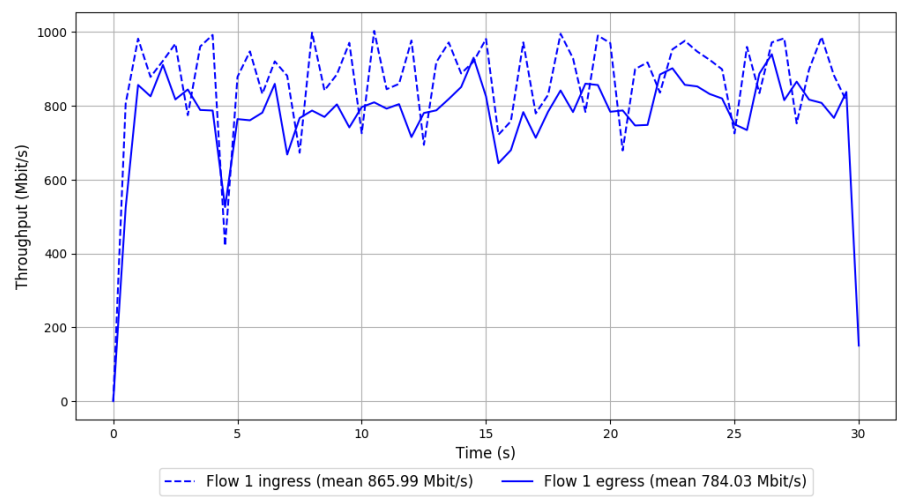
-- Flow 1:

Average throughput: 784.03 Mbit/s

95th percentile per-packet one-way delay: 208.832 ms

Loss rate: 9.36%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-05 22:16:08

End at: 2018-03-05 22:16:38

Below is generated by plot.py at 2018-03-06 01:03:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 832.06 Mbit/s

95th percentile per-packet one-way delay: 192.538 ms

Loss rate: 5.47%

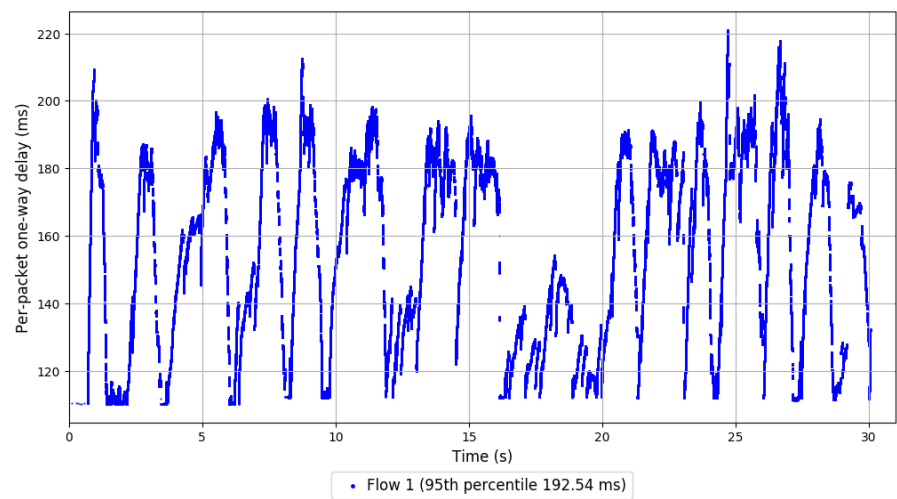
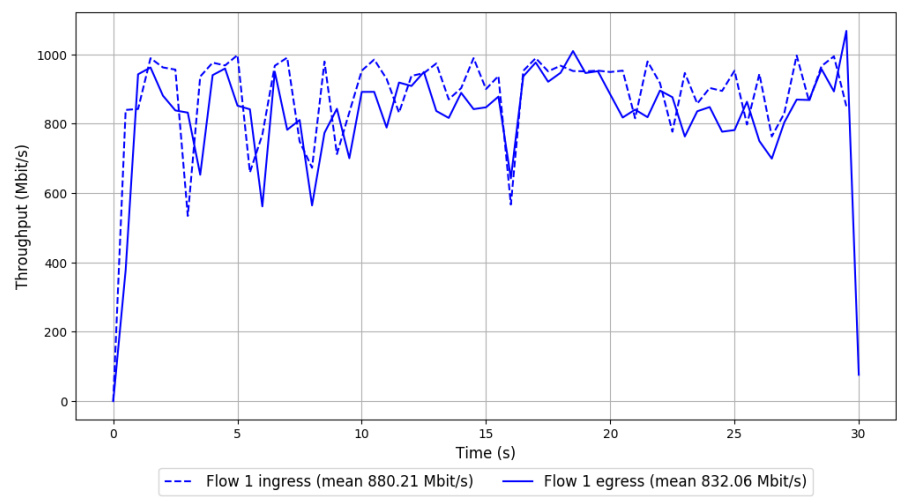
-- Flow 1:

Average throughput: 832.06 Mbit/s

95th percentile per-packet one-way delay: 192.538 ms

Loss rate: 5.47%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-03-05 22:31:27

End at: 2018-03-05 22:31:57

Below is generated by plot.py at 2018-03-06 01:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 780.63 Mbit/s

95th percentile per-packet one-way delay: 194.638 ms

Loss rate: 8.14%

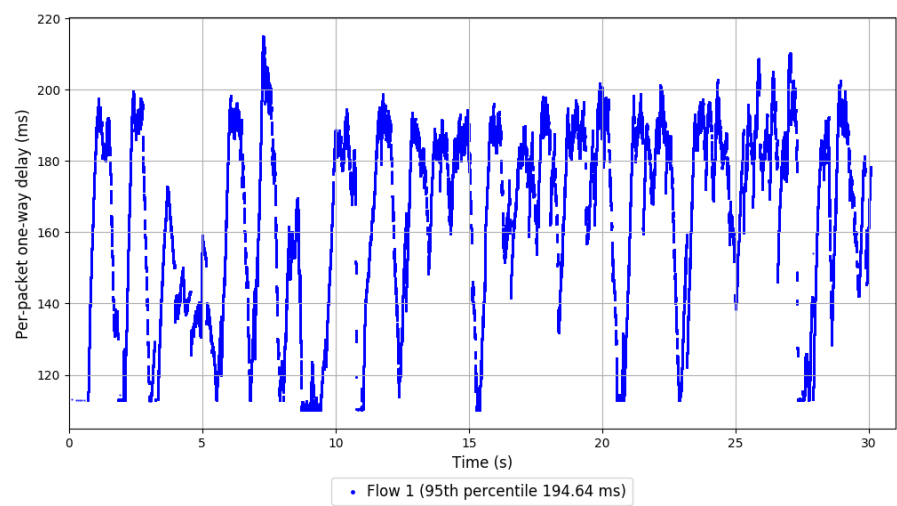
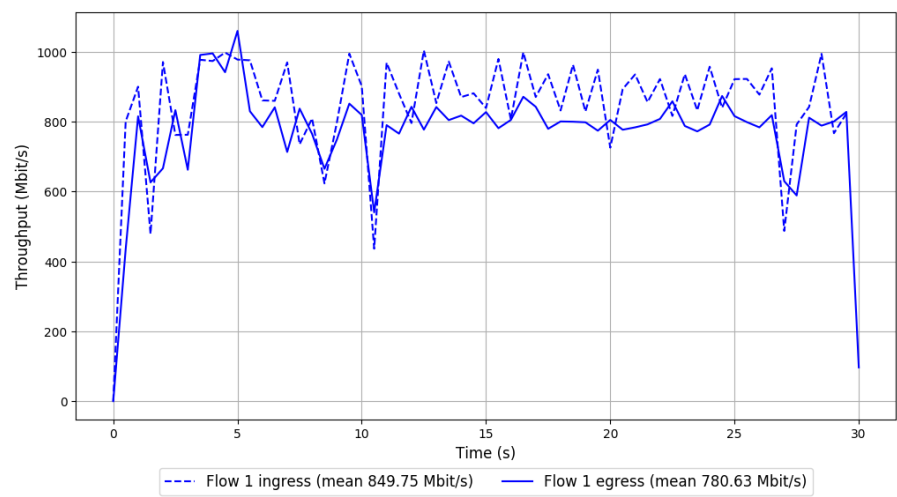
-- Flow 1:

Average throughput: 780.63 Mbit/s

95th percentile per-packet one-way delay: 194.638 ms

Loss rate: 8.14%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-03-05 22:46:54

End at: 2018-03-05 22:47:24

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 816.35 Mbit/s

95th percentile per-packet one-way delay: 231.059 ms

Loss rate: 7.47%

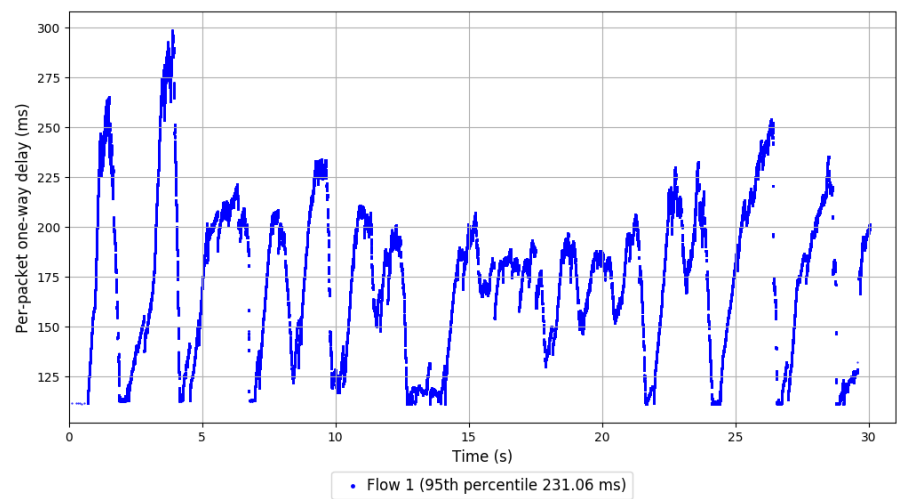
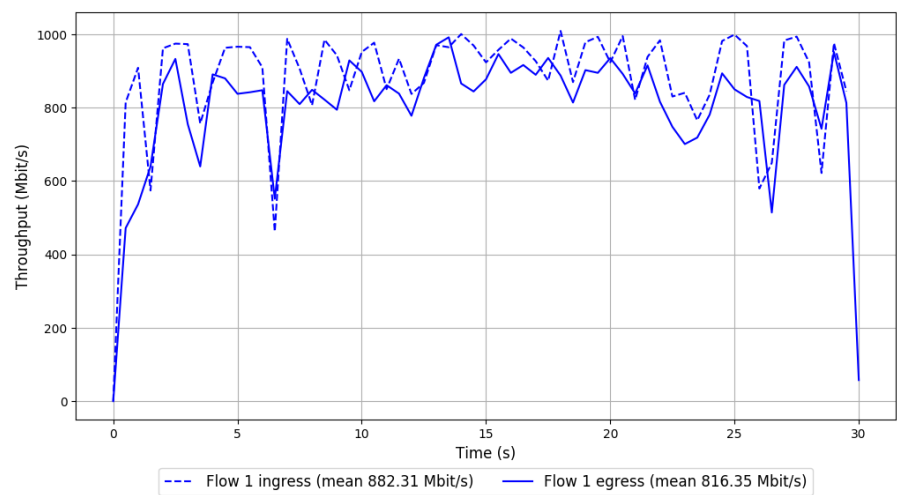
-- Flow 1:

Average throughput: 816.35 Mbit/s

95th percentile per-packet one-way delay: 231.059 ms

Loss rate: 7.47%

Run 10: Report of FillP — Data Link

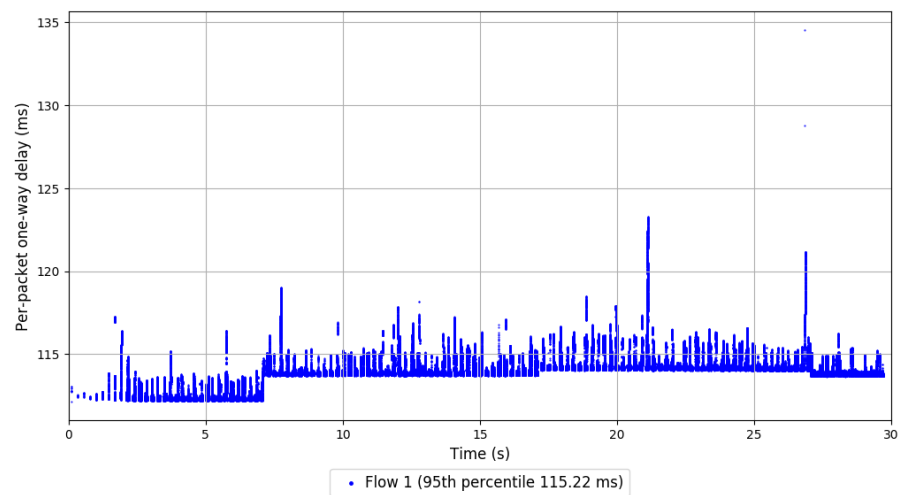
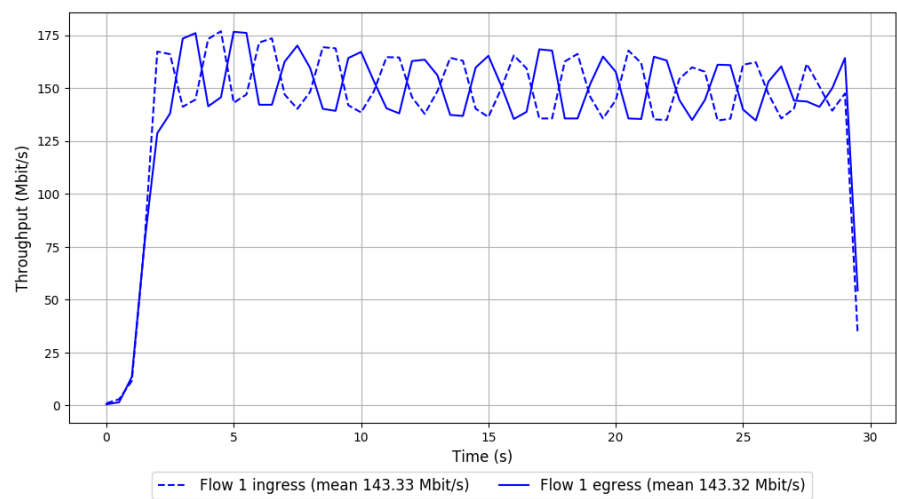


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-03-05 20:31:08
End at: 2018-03-05 20:31:38

# Below is generated by plot.py at 2018-03-06 01:05:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 143.32 Mbit/s
95th percentile per-packet one-way delay: 115.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.32 Mbit/s
95th percentile per-packet one-way delay: 115.216 ms
Loss rate: 0.00%
```

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

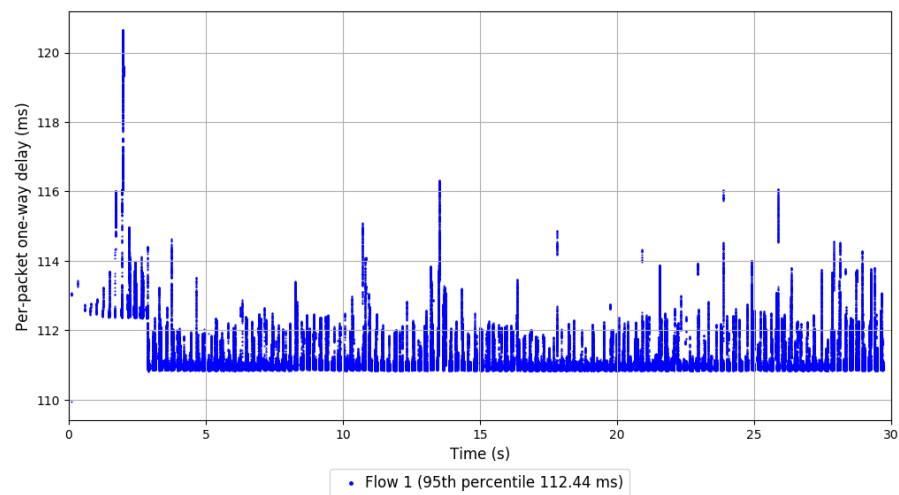
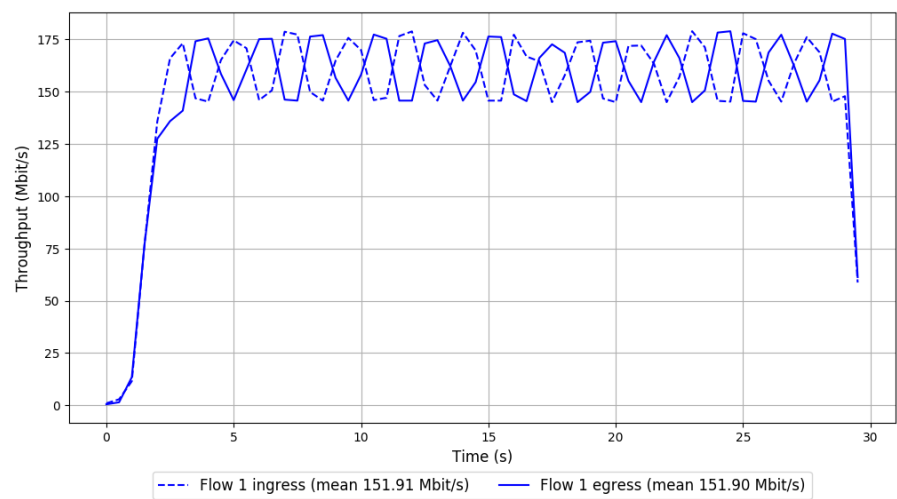


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-03-05 20:46:32
End at: 2018-03-05 20:47:02

# Below is generated by plot.py at 2018-03-06 01:05:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.90 Mbit/s
95th percentile per-packet one-way delay: 112.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.90 Mbit/s
95th percentile per-packet one-way delay: 112.436 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-05 21:01:56

End at: 2018-03-05 21:02:26

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.01 Mbit/s

95th percentile per-packet one-way delay: 112.944 ms

Loss rate: 0.00%

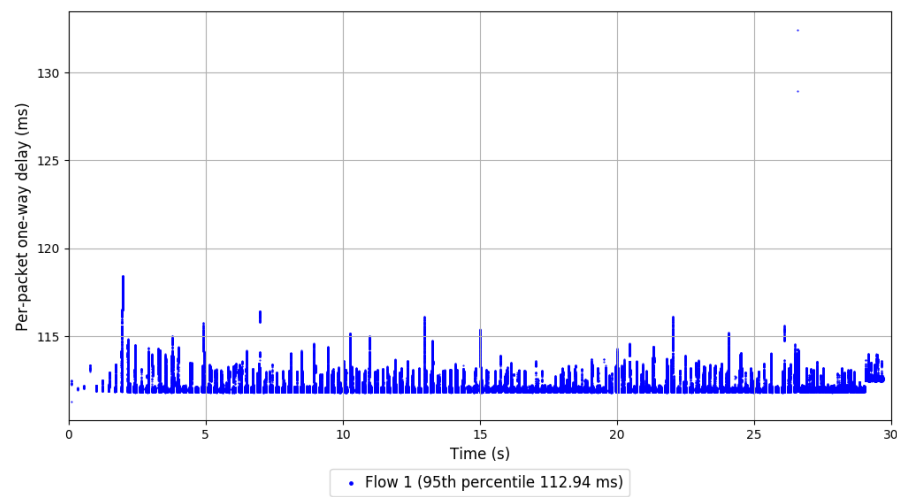
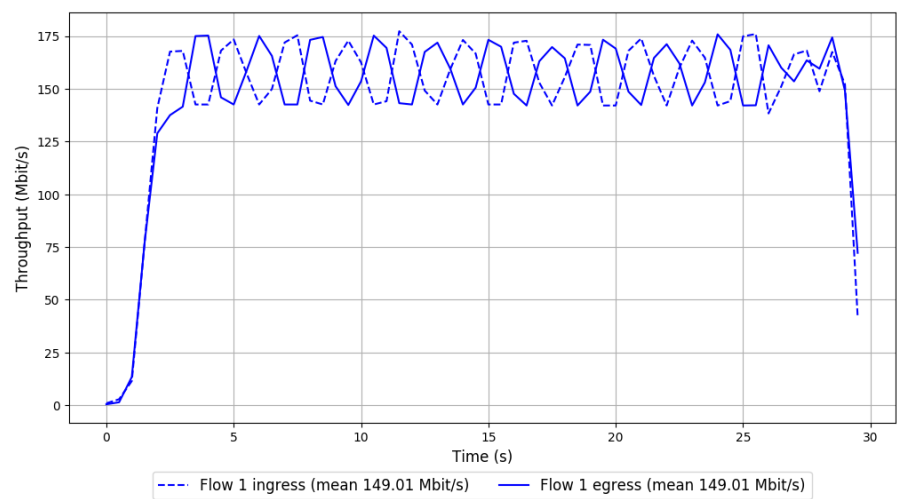
-- Flow 1:

Average throughput: 149.01 Mbit/s

95th percentile per-packet one-way delay: 112.944 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-05 21:17:21

End at: 2018-03-05 21:17:51

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.83 Mbit/s

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

Loss rate: 0.00%

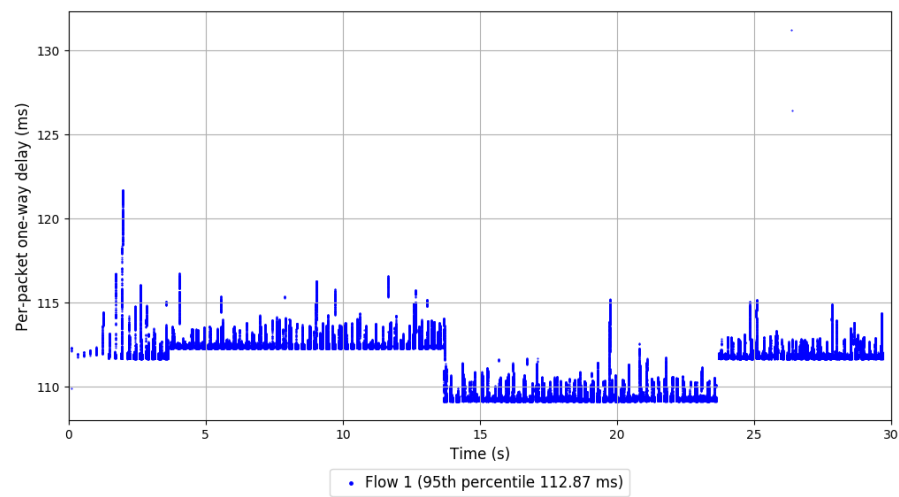
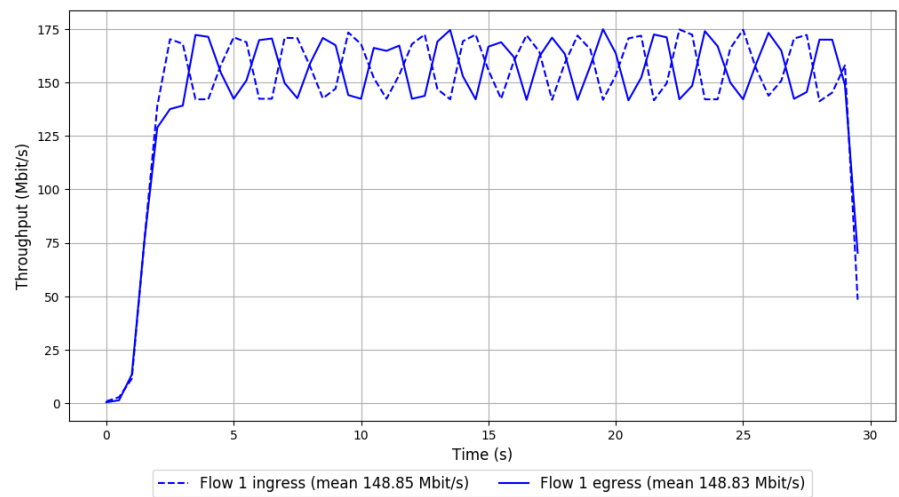
-- Flow 1:

Average throughput: 148.83 Mbit/s

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

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-05 21:33:09

End at: 2018-03-05 21:33:39

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.52 Mbit/s

95th percentile per-packet one-way delay: 113.763 ms

Loss rate: 0.00%

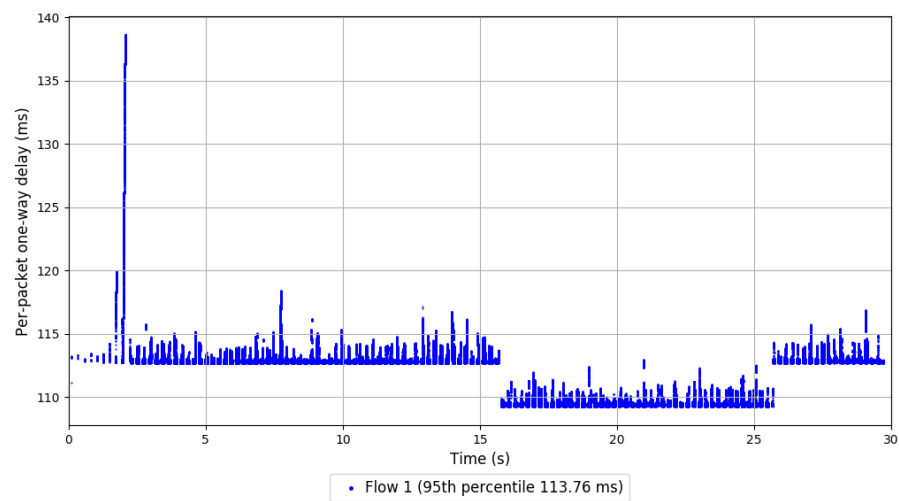
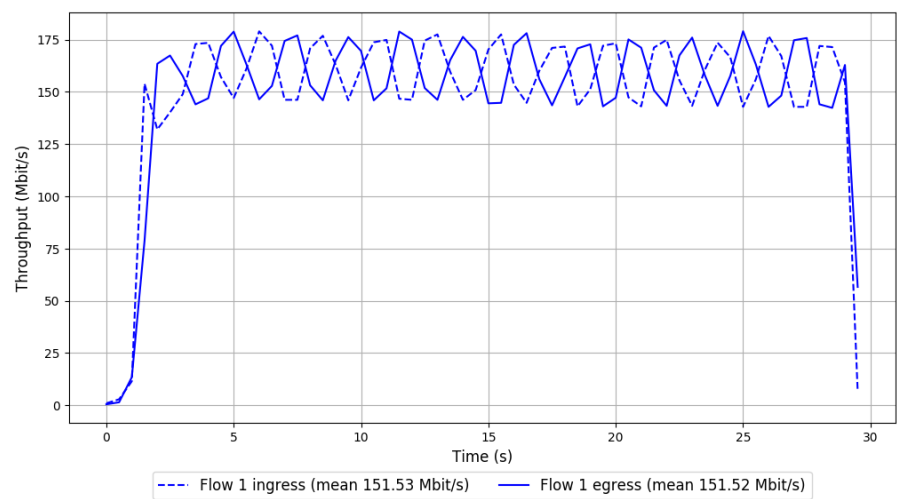
-- Flow 1:

Average throughput: 151.52 Mbit/s

95th percentile per-packet one-way delay: 113.763 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-05 21:48:41

End at: 2018-03-05 21:49:11

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.29 Mbit/s

95th percentile per-packet one-way delay: 112.921 ms

Loss rate: 0.00%

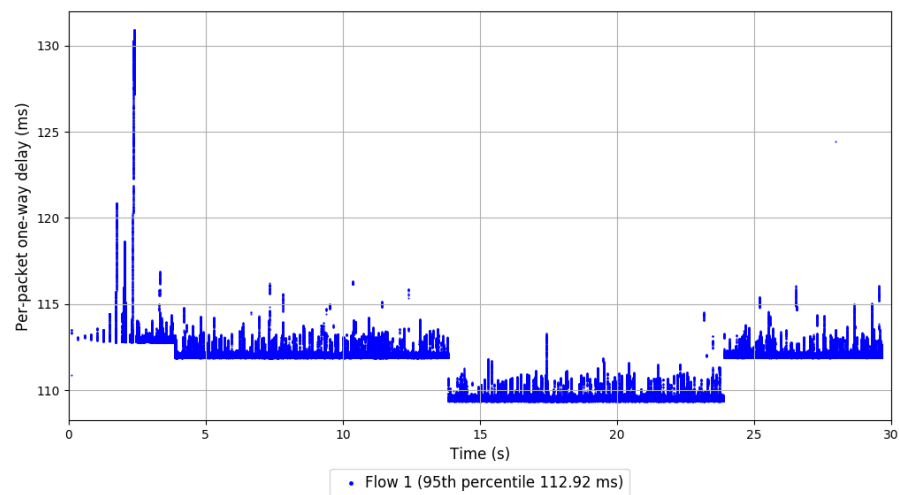
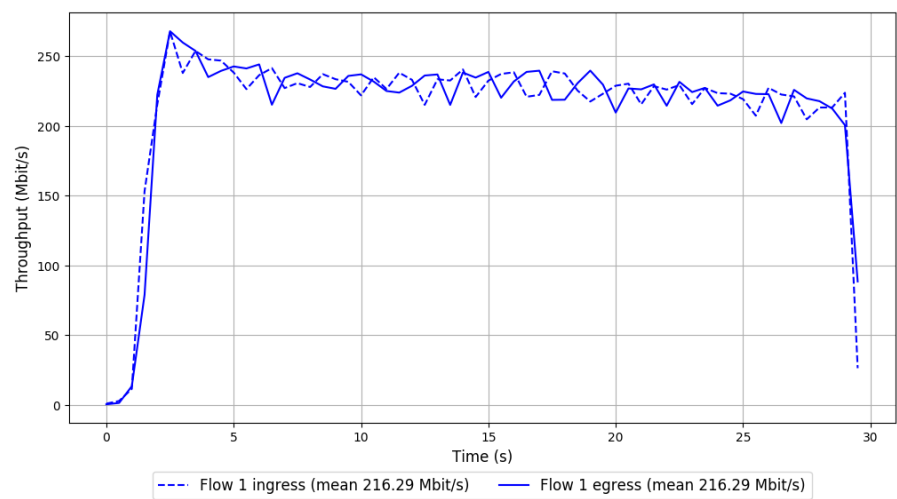
-- Flow 1:

Average throughput: 216.29 Mbit/s

95th percentile per-packet one-way delay: 112.921 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-03-05 22:03:51

End at: 2018-03-05 22:04:21

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 114.511 ms

Loss rate: 0.00%

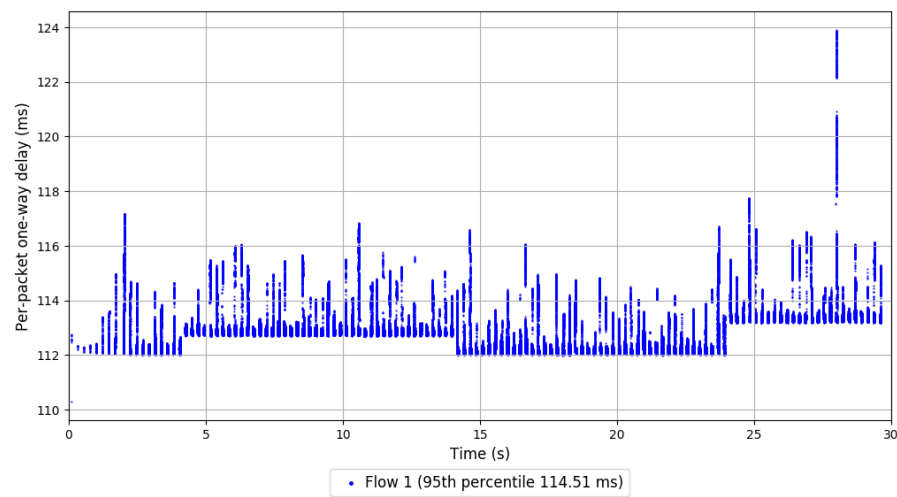
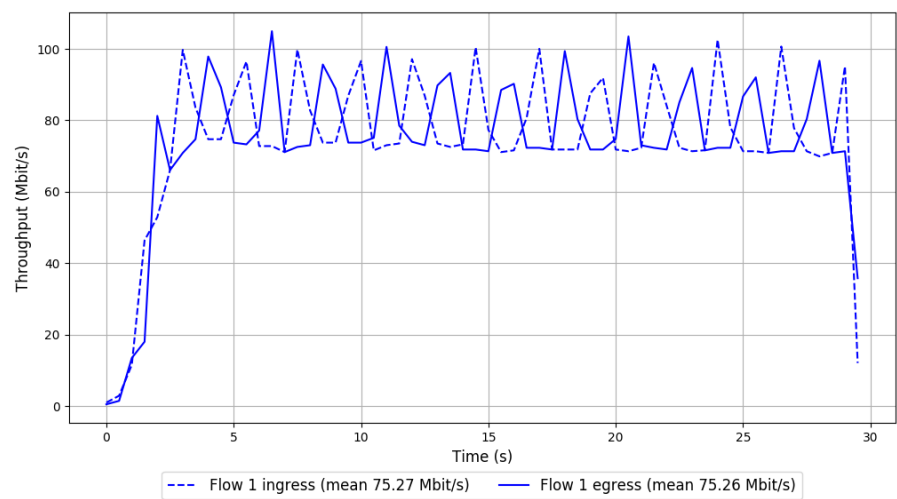
-- Flow 1:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 114.511 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-05 22:19:06

End at: 2018-03-05 22:19:36

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.02 Mbit/s

95th percentile per-packet one-way delay: 113.521 ms

Loss rate: 0.01%

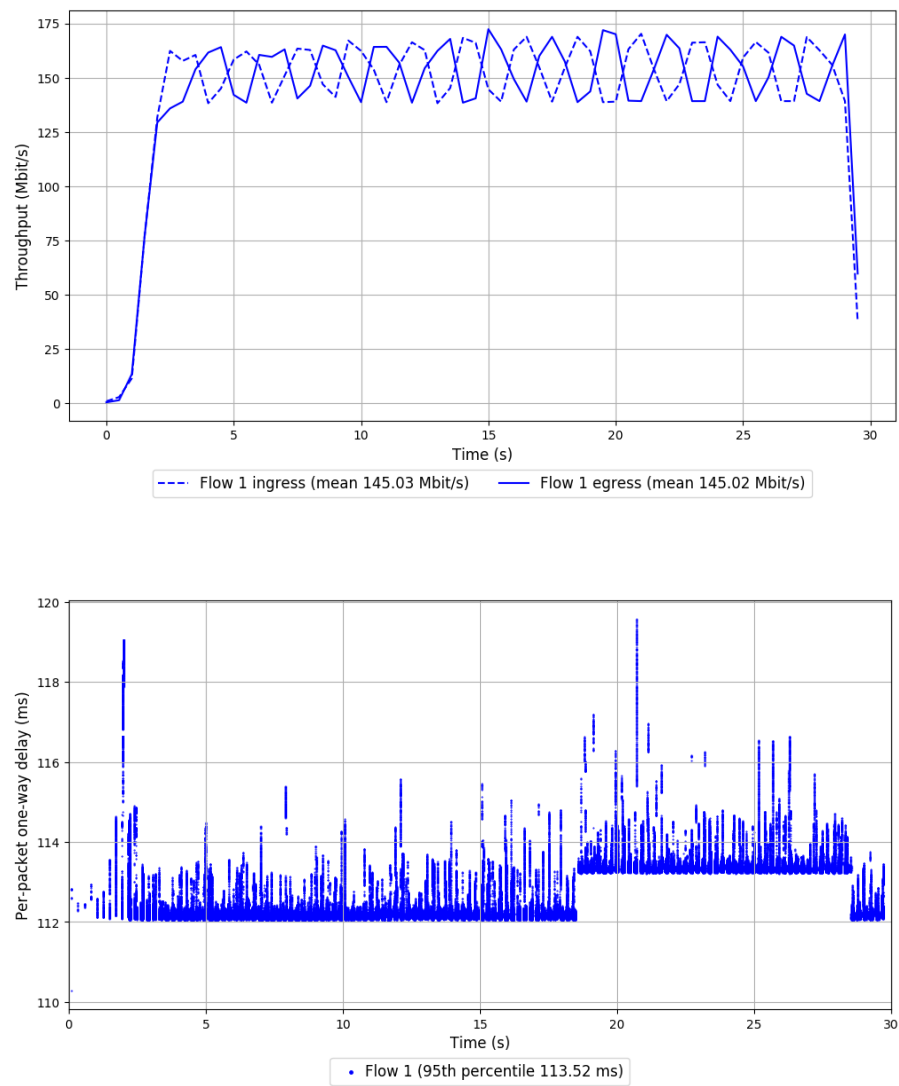
-- Flow 1:

Average throughput: 145.02 Mbit/s

95th percentile per-packet one-way delay: 113.521 ms

Loss rate: 0.01%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-05 22:34:25

End at: 2018-03-05 22:34:55

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.99 Mbit/s

95th percentile per-packet one-way delay: 113.911 ms

Loss rate: 0.00%

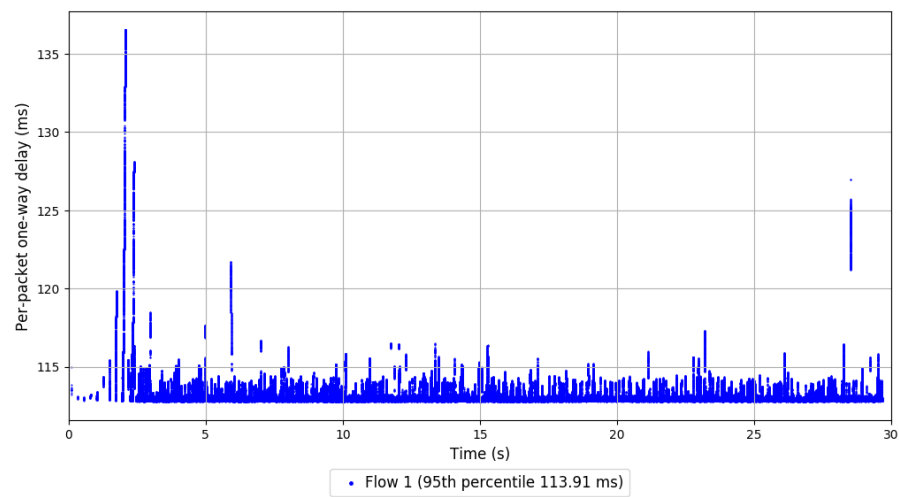
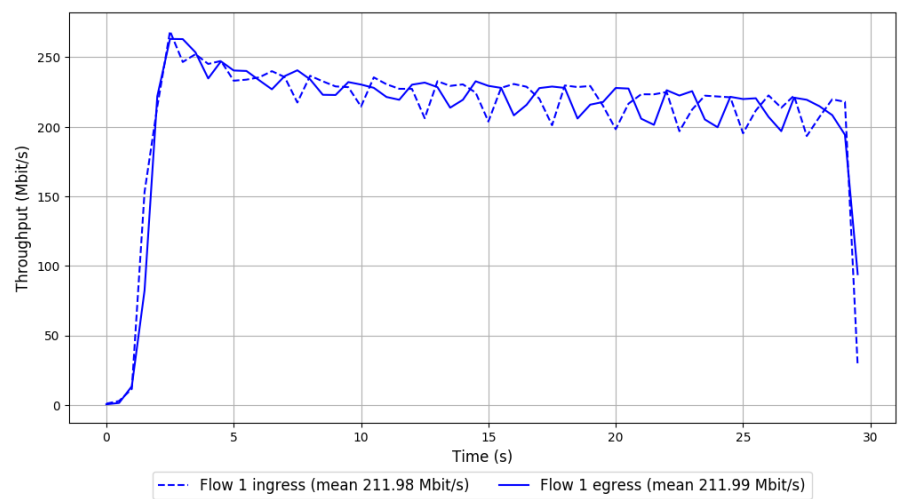
-- Flow 1:

Average throughput: 211.99 Mbit/s

95th percentile per-packet one-way delay: 113.911 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-05 22:49:50

End at: 2018-03-05 22:50:20

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.23 Mbit/s

95th percentile per-packet one-way delay: 114.118 ms

Loss rate: 0.00%

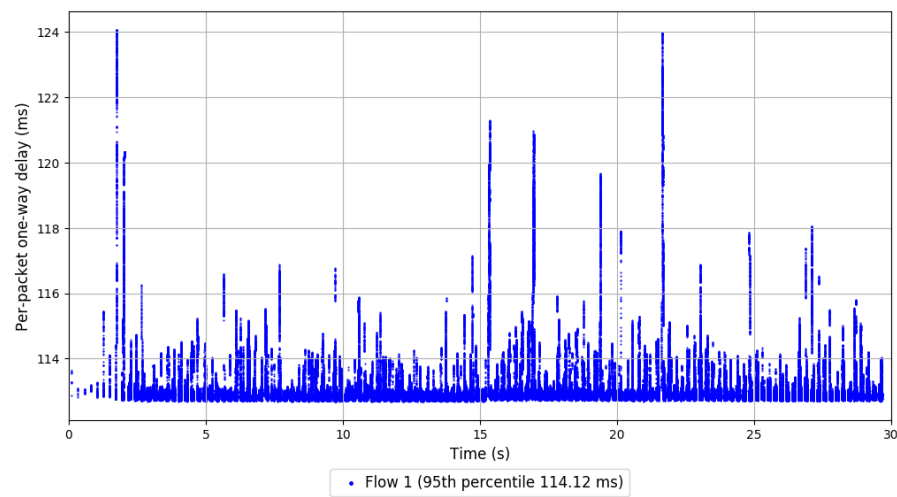
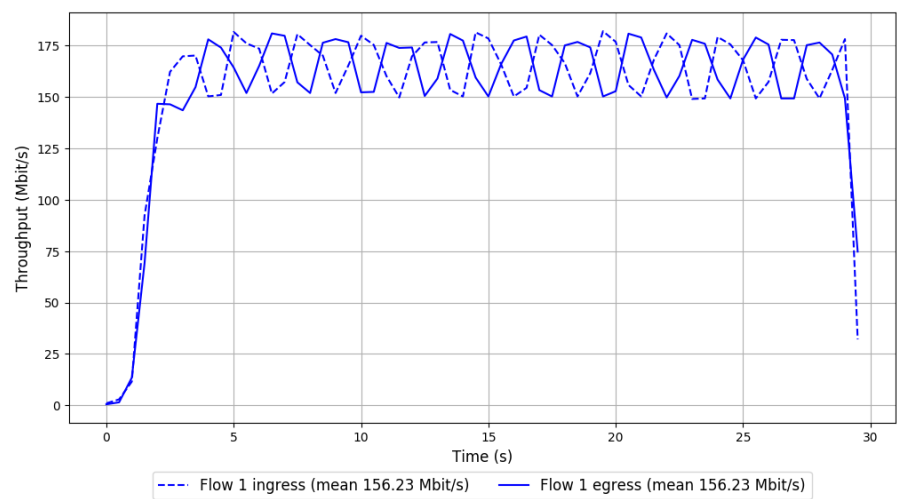
-- Flow 1:

Average throughput: 156.23 Mbit/s

95th percentile per-packet one-way delay: 114.118 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-03-05 20:19:33

End at: 2018-03-05 20:20:03

Below is generated by plot.py at 2018-03-06 01:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.57 Mbit/s

95th percentile per-packet one-way delay: 143.844 ms

Loss rate: 0.00%

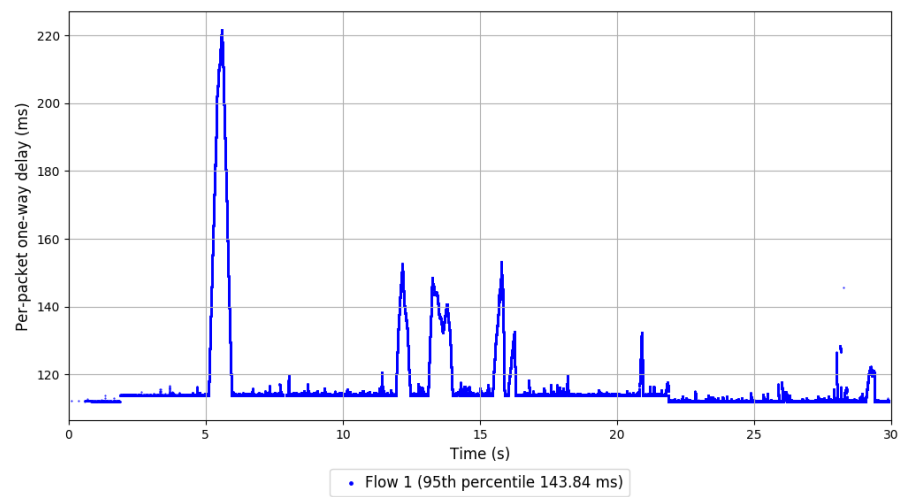
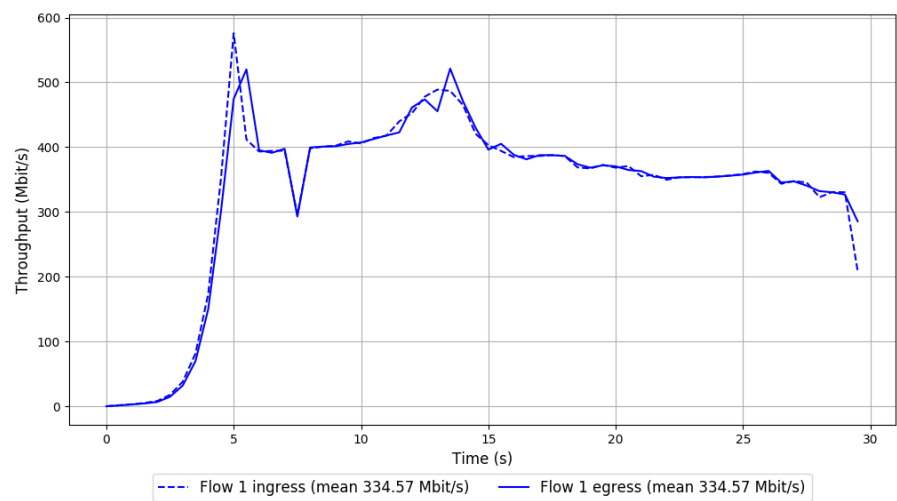
-- Flow 1:

Average throughput: 334.57 Mbit/s

95th percentile per-packet one-way delay: 143.844 ms

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-03-05 20:34:55

End at: 2018-03-05 20:35:25

Below is generated by plot.py at 2018-03-06 01:05:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.49 Mbit/s

95th percentile per-packet one-way delay: 157.367 ms

Loss rate: 0.00%

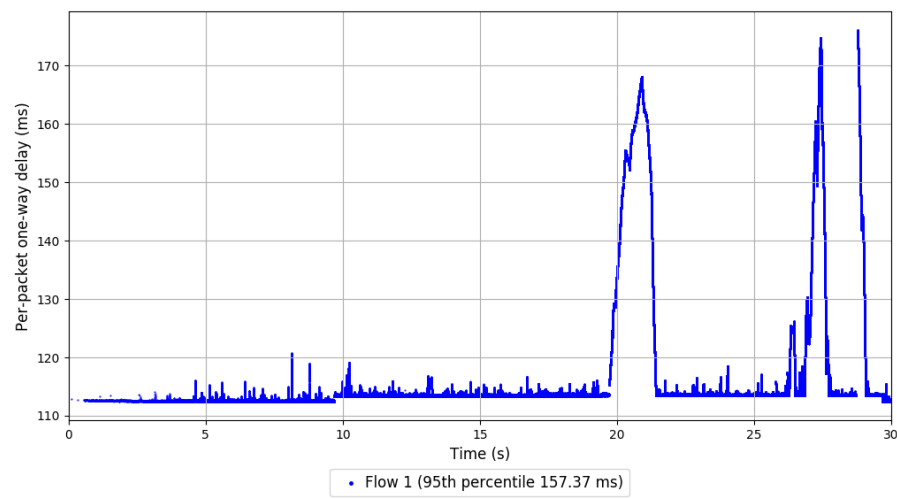
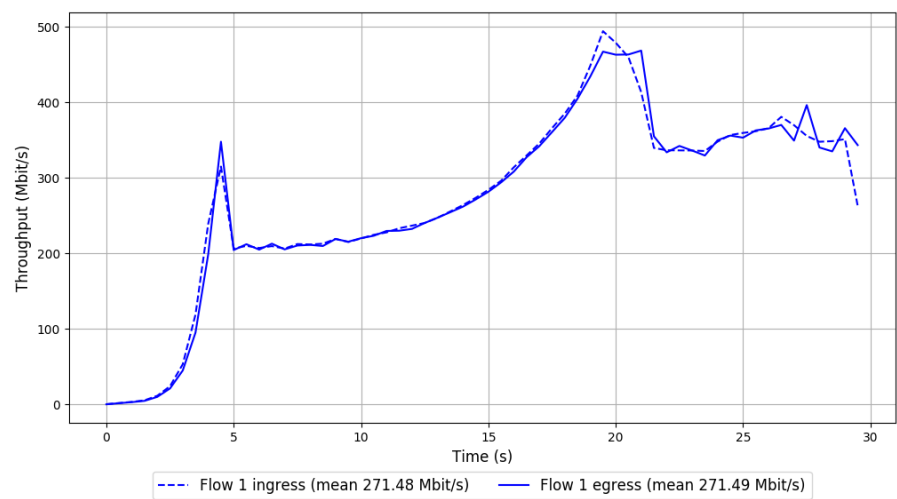
-- Flow 1:

Average throughput: 271.49 Mbit/s

95th percentile per-packet one-way delay: 157.367 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-05 20:50:13

End at: 2018-03-05 20:50:43

Below is generated by plot.py at 2018-03-06 01:05:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.35 Mbit/s

95th percentile per-packet one-way delay: 165.367 ms

Loss rate: 0.00%

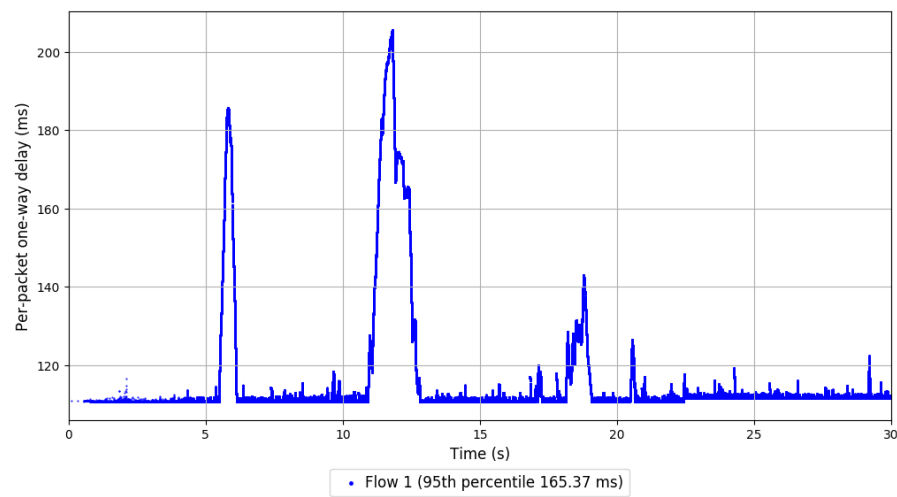
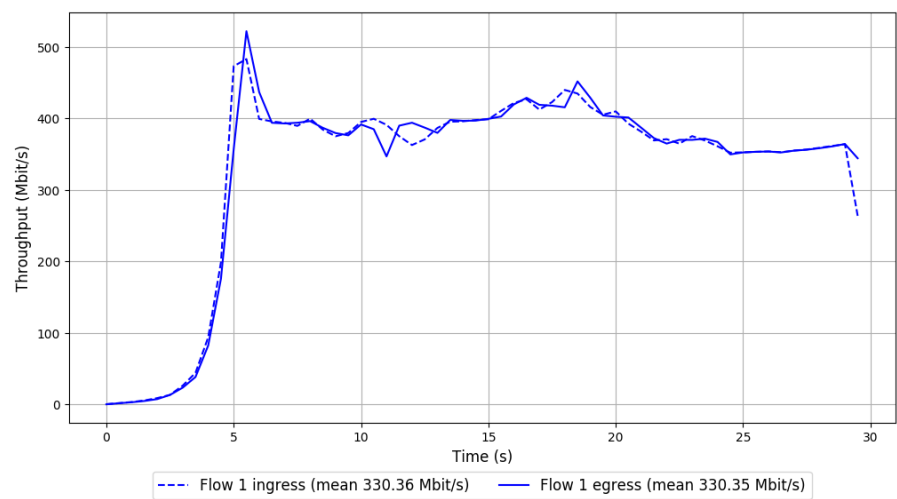
-- Flow 1:

Average throughput: 330.35 Mbit/s

95th percentile per-packet one-way delay: 165.367 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-05 21:05:41

End at: 2018-03-05 21:06:11

Below is generated by plot.py at 2018-03-06 01:05:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.81 Mbit/s

95th percentile per-packet one-way delay: 130.782 ms

Loss rate: 0.26%

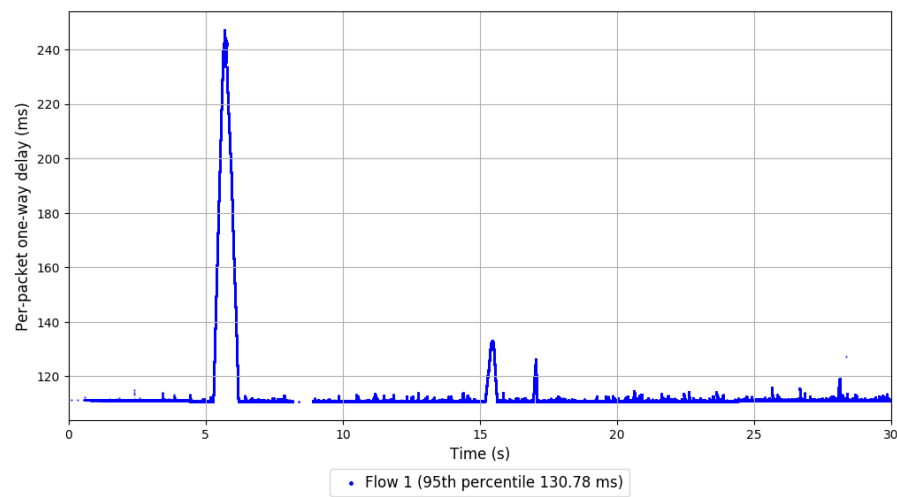
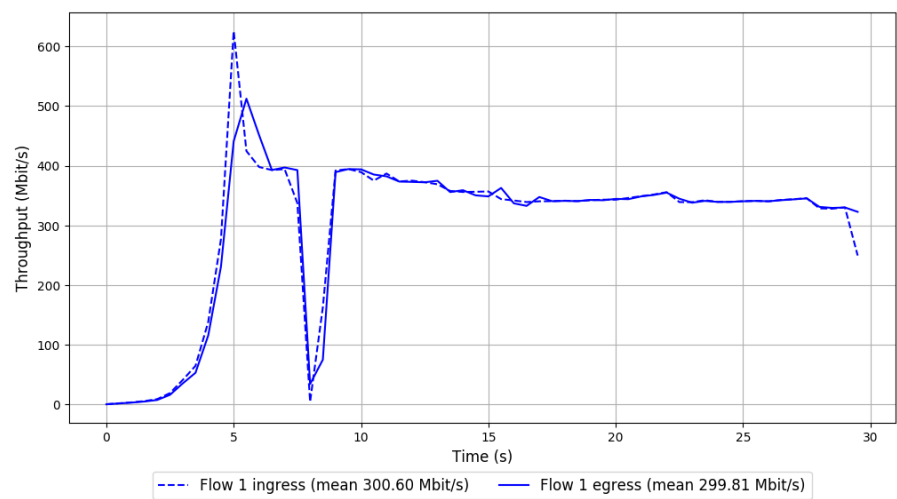
-- Flow 1:

Average throughput: 299.81 Mbit/s

95th percentile per-packet one-way delay: 130.782 ms

Loss rate: 0.26%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-03-05 21:21:15

End at: 2018-03-05 21:21:45

Below is generated by plot.py at 2018-03-06 01:05:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.14 Mbit/s

95th percentile per-packet one-way delay: 136.085 ms

Loss rate: 0.00%

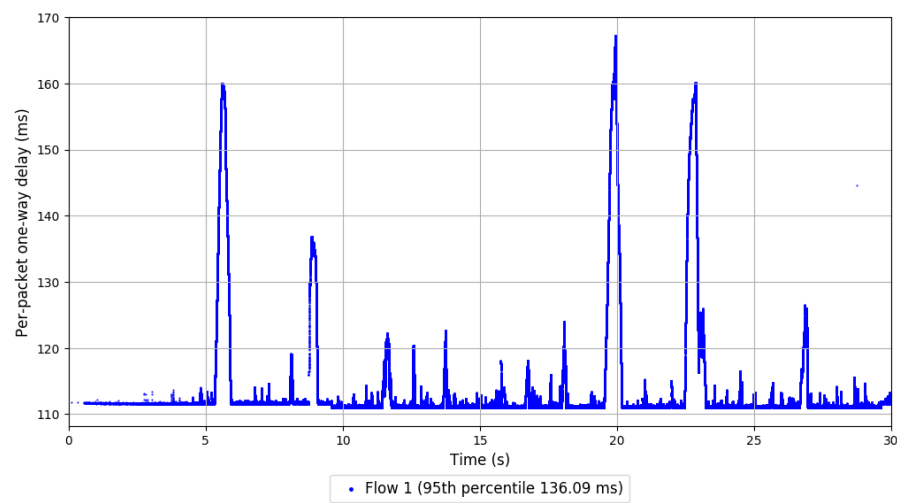
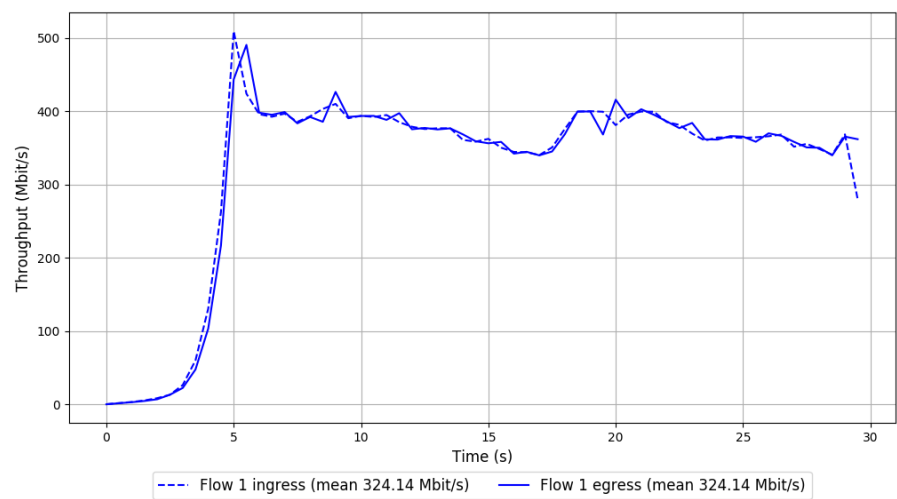
-- Flow 1:

Average throughput: 324.14 Mbit/s

95th percentile per-packet one-way delay: 136.085 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-05 21:36:52

End at: 2018-03-05 21:37:22

Below is generated by plot.py at 2018-03-06 01:07:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.35 Mbit/s

95th percentile per-packet one-way delay: 219.264 ms

Loss rate: 1.07%

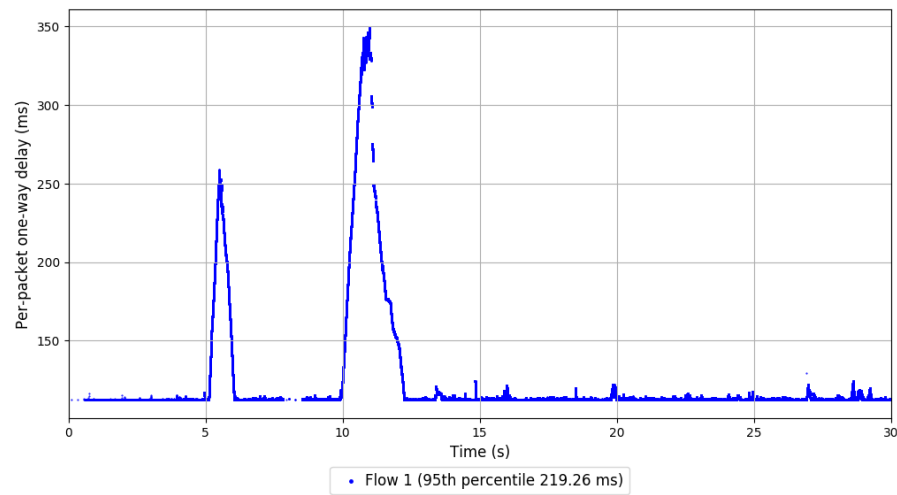
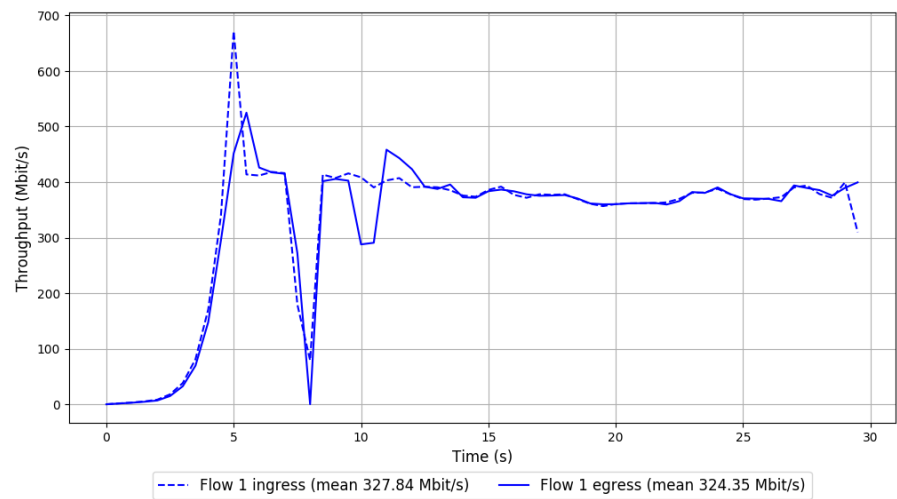
-- Flow 1:

Average throughput: 324.35 Mbit/s

95th percentile per-packet one-way delay: 219.264 ms

Loss rate: 1.07%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-05 21:52:29

End at: 2018-03-05 21:52:59

Below is generated by plot.py at 2018-03-06 01:07:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.07 Mbit/s

95th percentile per-packet one-way delay: 167.416 ms

Loss rate: 0.40%

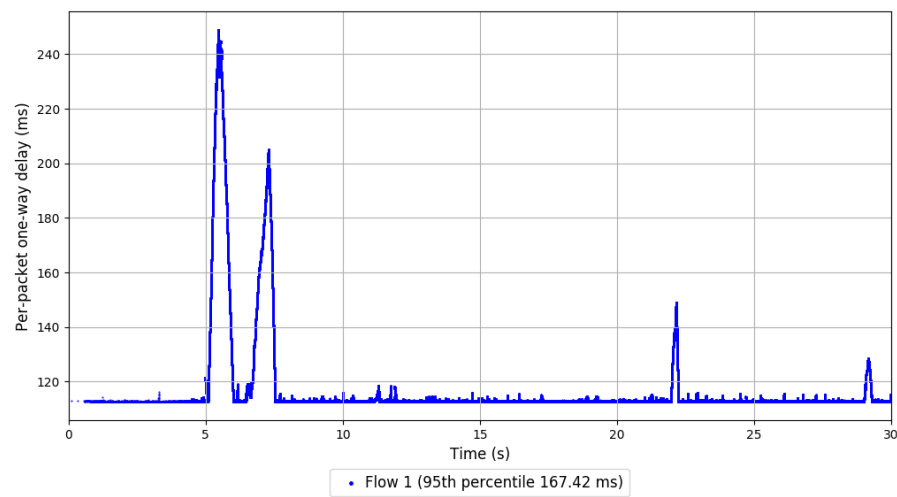
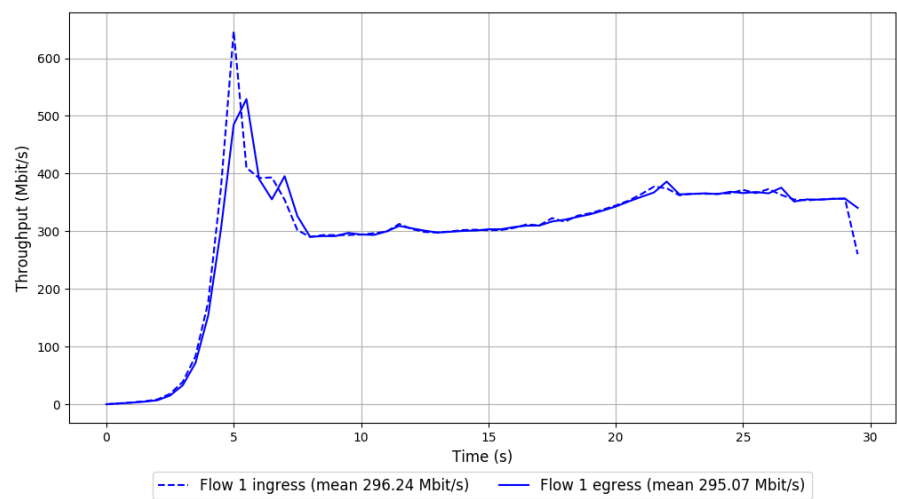
-- Flow 1:

Average throughput: 295.07 Mbit/s

95th percentile per-packet one-way delay: 167.416 ms

Loss rate: 0.40%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-05 22:07:26

End at: 2018-03-05 22:07:56

Below is generated by plot.py at 2018-03-06 01:07:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.13 Mbit/s

95th percentile per-packet one-way delay: 227.933 ms

Loss rate: 0.48%

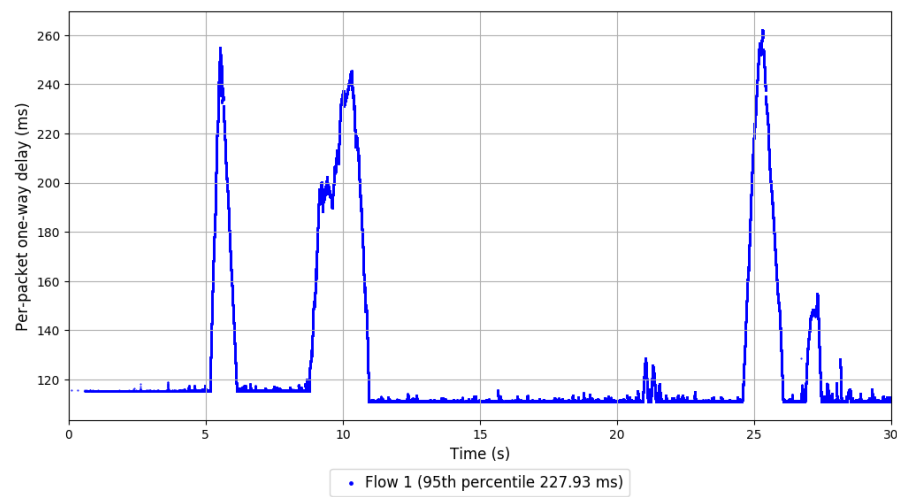
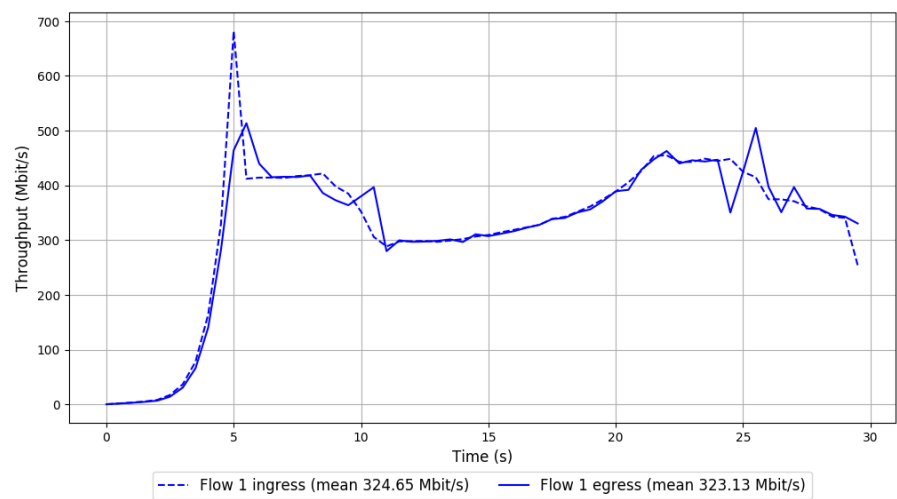
-- Flow 1:

Average throughput: 323.13 Mbit/s

95th percentile per-packet one-way delay: 227.933 ms

Loss rate: 0.48%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-03-05 22:22:44

End at: 2018-03-05 22:23:14

Below is generated by plot.py at 2018-03-06 01:07:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.79 Mbit/s

95th percentile per-packet one-way delay: 197.381 ms

Loss rate: 0.63%

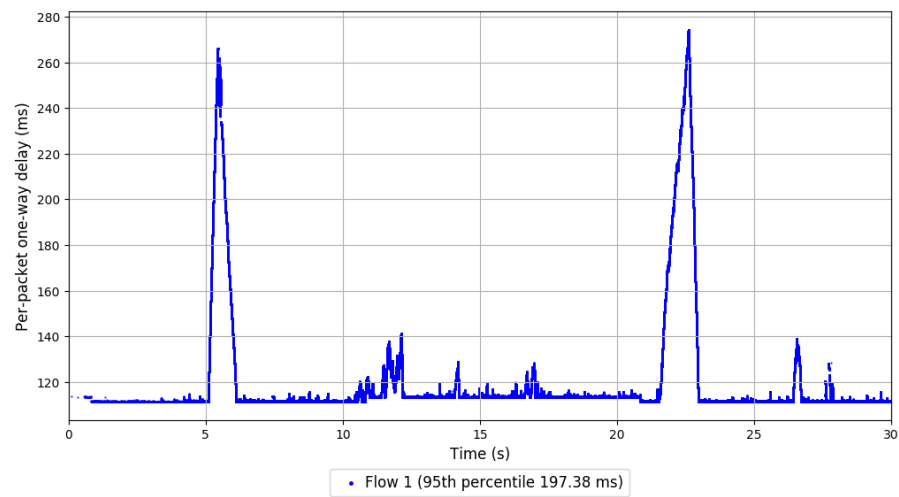
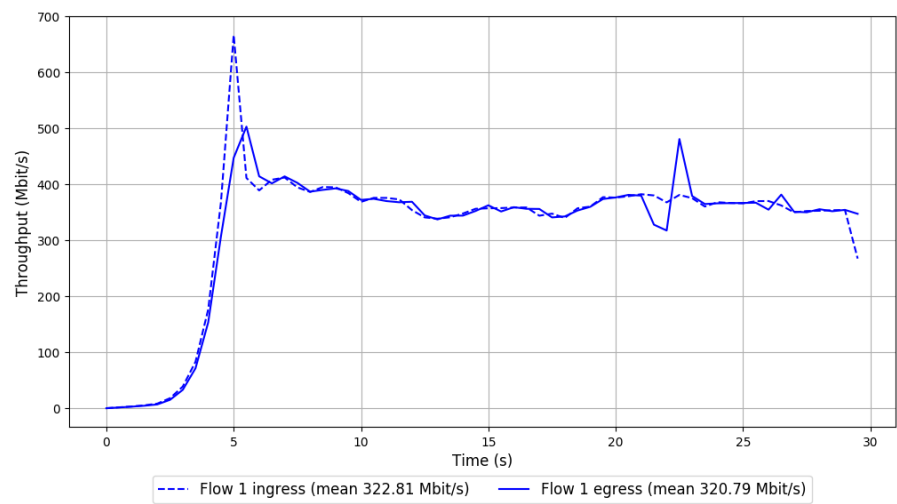
-- Flow 1:

Average throughput: 320.79 Mbit/s

95th percentile per-packet one-way delay: 197.381 ms

Loss rate: 0.63%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-03-05 22:38:10

End at: 2018-03-05 22:38:40

Below is generated by plot.py at 2018-03-06 01:07:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.61 Mbit/s

95th percentile per-packet one-way delay: 115.710 ms

Loss rate: 0.02%

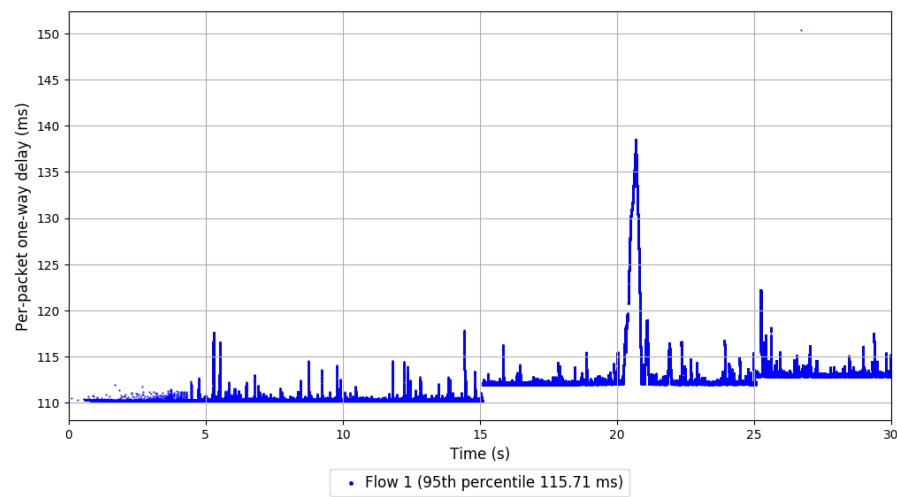
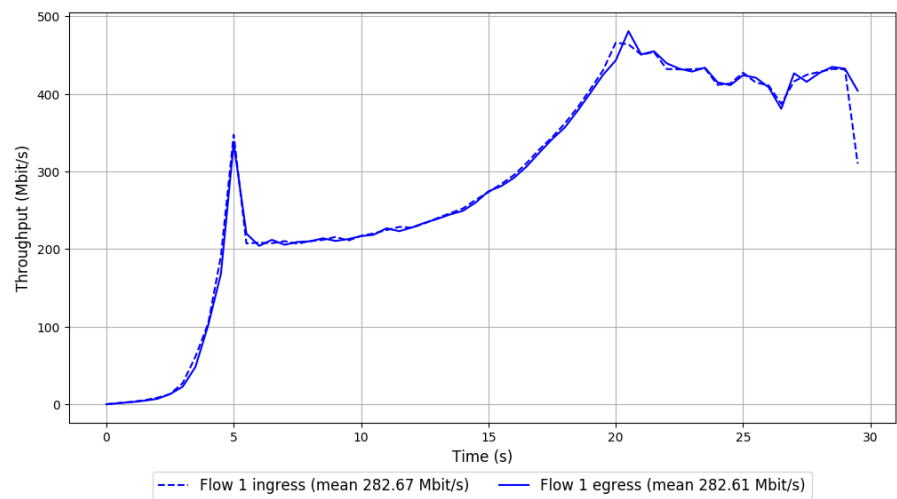
-- Flow 1:

Average throughput: 282.61 Mbit/s

95th percentile per-packet one-way delay: 115.710 ms

Loss rate: 0.02%

Run 10: Report of Vivace-latency — Data Link

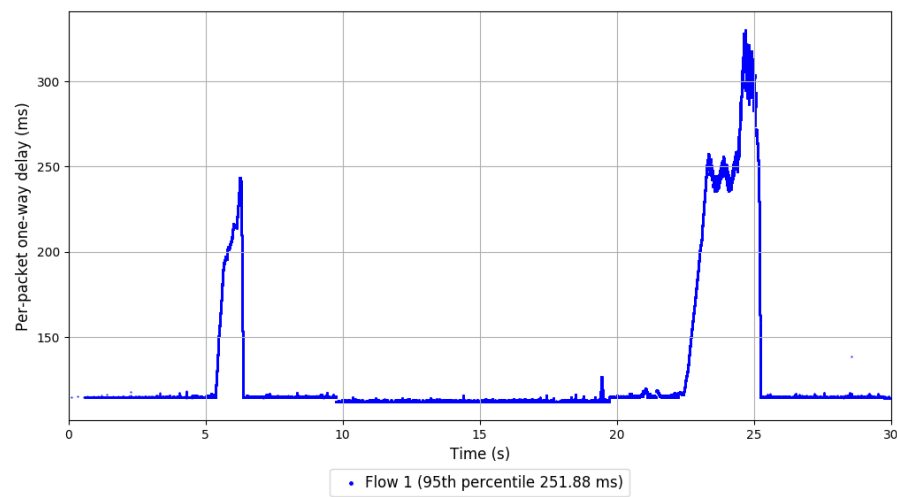
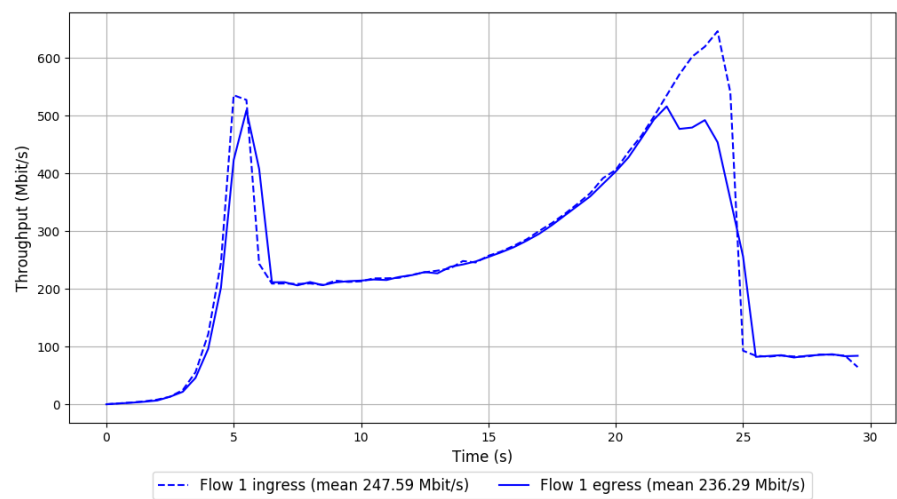


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-05 20:25:45
End at: 2018-03-05 20:26:15

# Below is generated by plot.py at 2018-03-06 01:07:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.29 Mbit/s
95th percentile per-packet one-way delay: 251.882 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 236.29 Mbit/s
95th percentile per-packet one-way delay: 251.882 ms
Loss rate: 4.56%
```

Run 1: Report of Vivace-loss — Data Link

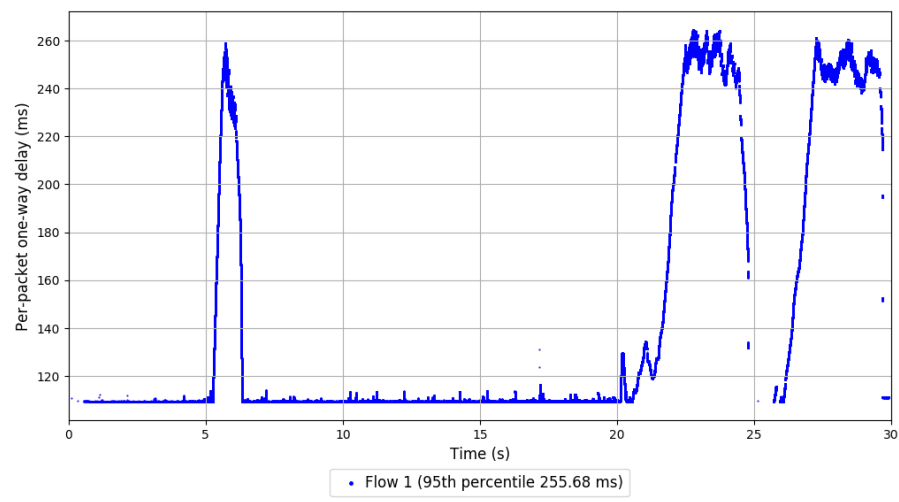
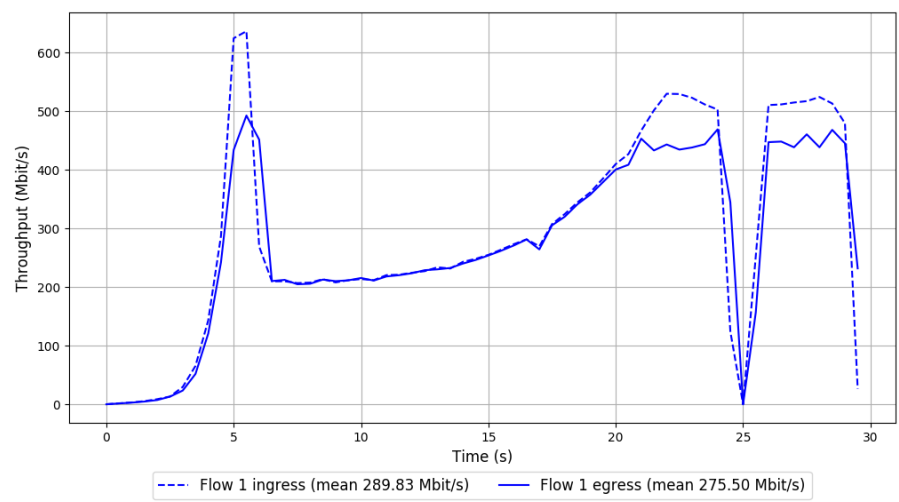


```
Run 2: Statistics of Vivace-loss

Start at: 2018-03-05 20:41:05
End at: 2018-03-05 20:41:35

# Below is generated by plot.py at 2018-03-06 01:09:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.50 Mbit/s
95th percentile per-packet one-way delay: 255.680 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 275.50 Mbit/s
95th percentile per-packet one-way delay: 255.680 ms
Loss rate: 4.94%
```

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-03-05 20:56:29

End at: 2018-03-05 20:56:59

Below is generated by plot.py at 2018-03-06 01:11:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.95 Mbit/s

95th percentile per-packet one-way delay: 247.123 ms

Loss rate: 1.79%

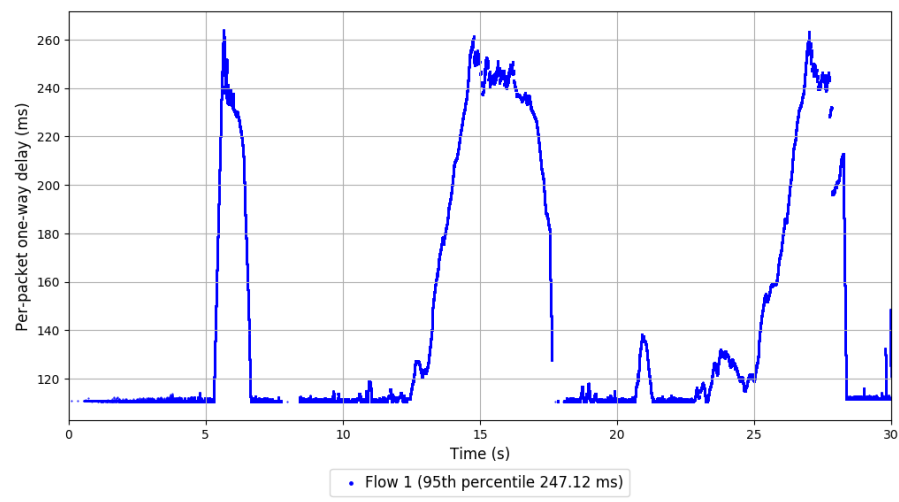
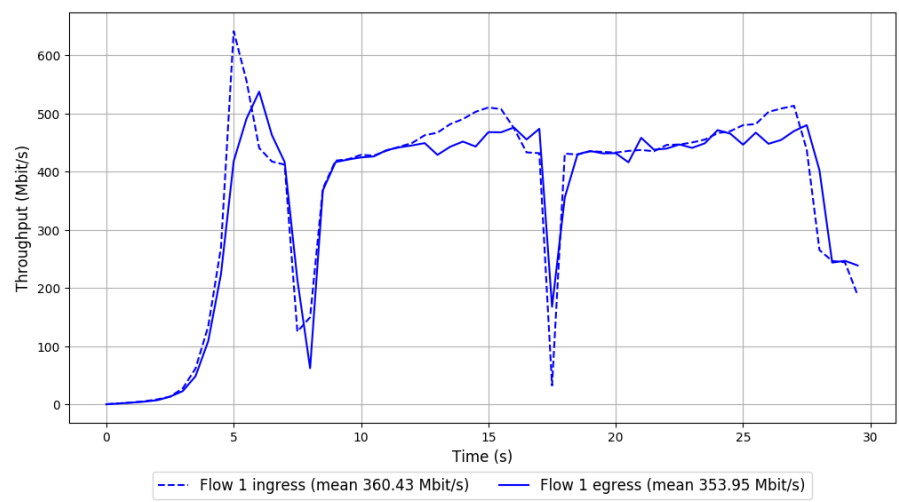
-- Flow 1:

Average throughput: 353.95 Mbit/s

95th percentile per-packet one-way delay: 247.123 ms

Loss rate: 1.79%

Run 3: Report of Vivace-loss — Data Link

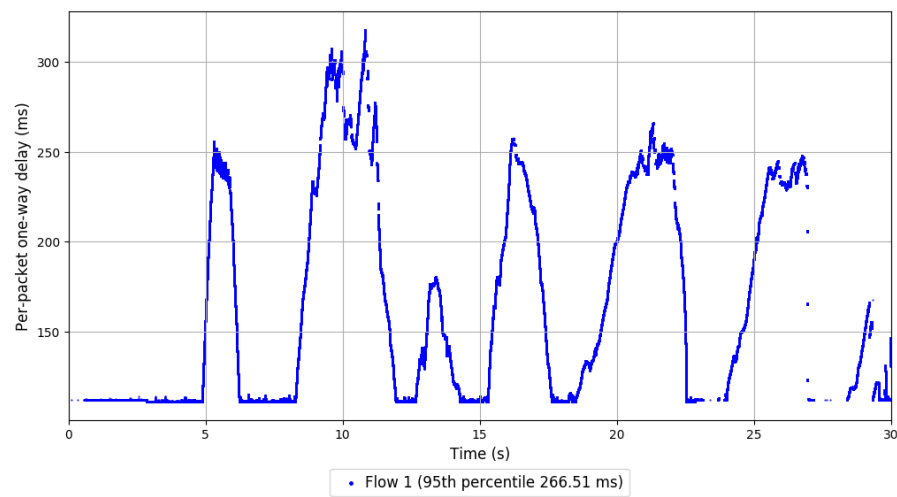
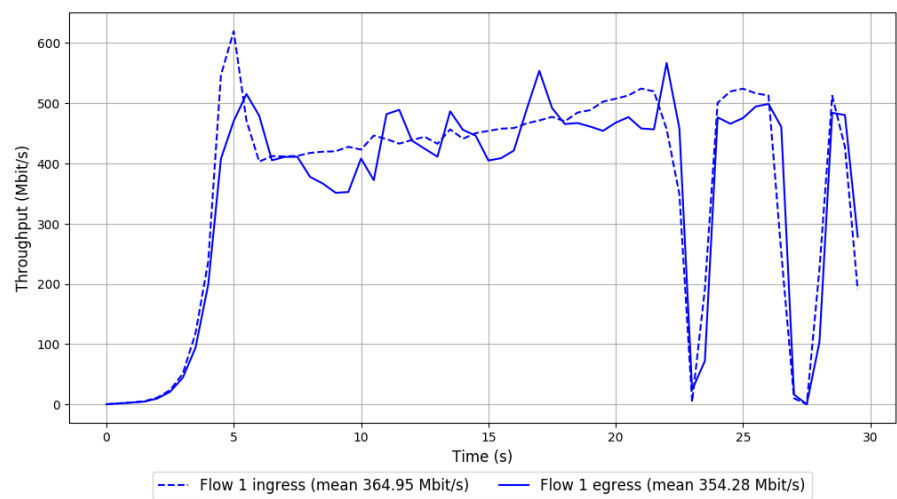


```
Run 4: Statistics of Vivace-loss

Start at: 2018-03-05 21:11:52
End at: 2018-03-05 21:12:22

# Below is generated by plot.py at 2018-03-06 01:12:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.28 Mbit/s
95th percentile per-packet one-way delay: 266.511 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 354.28 Mbit/s
95th percentile per-packet one-way delay: 266.511 ms
Loss rate: 2.92%
```

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-05 21:27:51

End at: 2018-03-05 21:28:21

Below is generated by plot.py at 2018-03-06 01:12:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.33 Mbit/s

95th percentile per-packet one-way delay: 250.797 ms

Loss rate: 5.77%

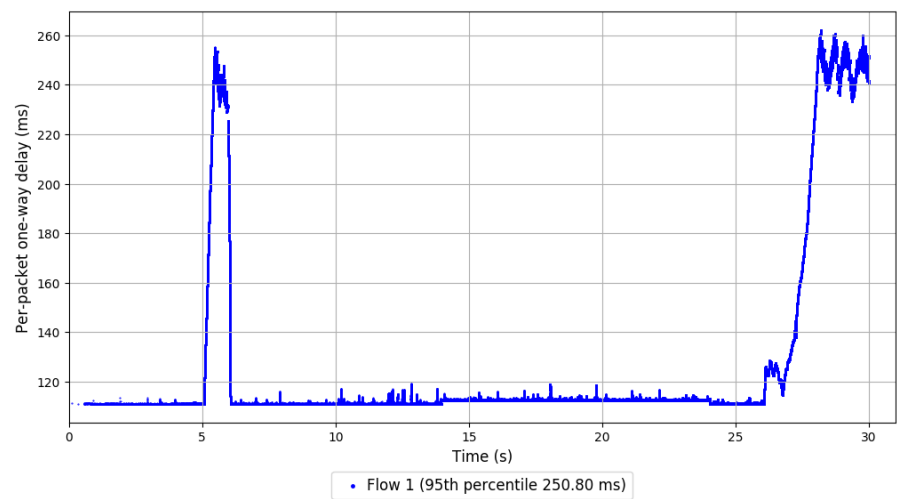
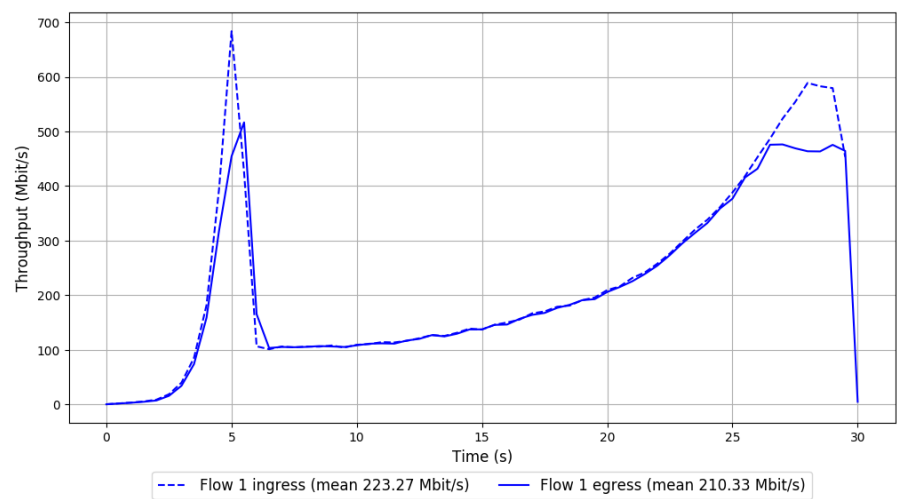
-- Flow 1:

Average throughput: 210.33 Mbit/s

95th percentile per-packet one-way delay: 250.797 ms

Loss rate: 5.77%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-05 21:43:06

End at: 2018-03-05 21:43:36

Below is generated by plot.py at 2018-03-06 01:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.94 Mbit/s

95th percentile per-packet one-way delay: 237.319 ms

Loss rate: 0.86%

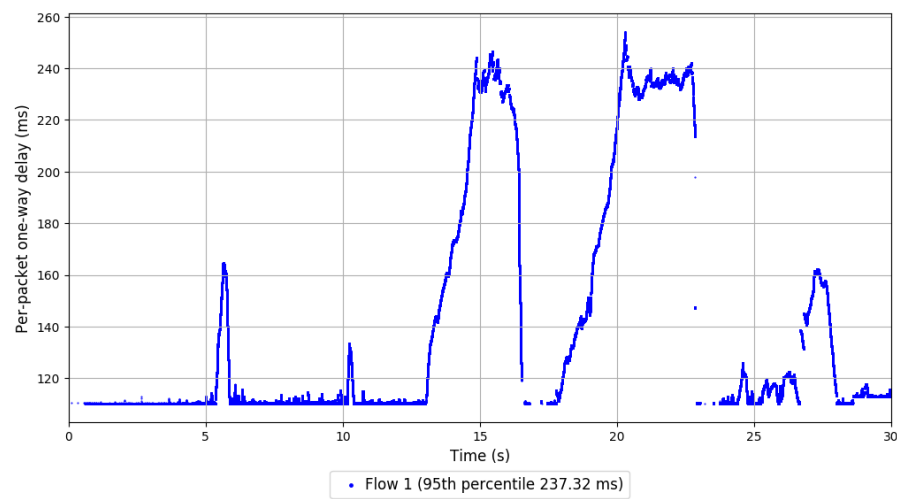
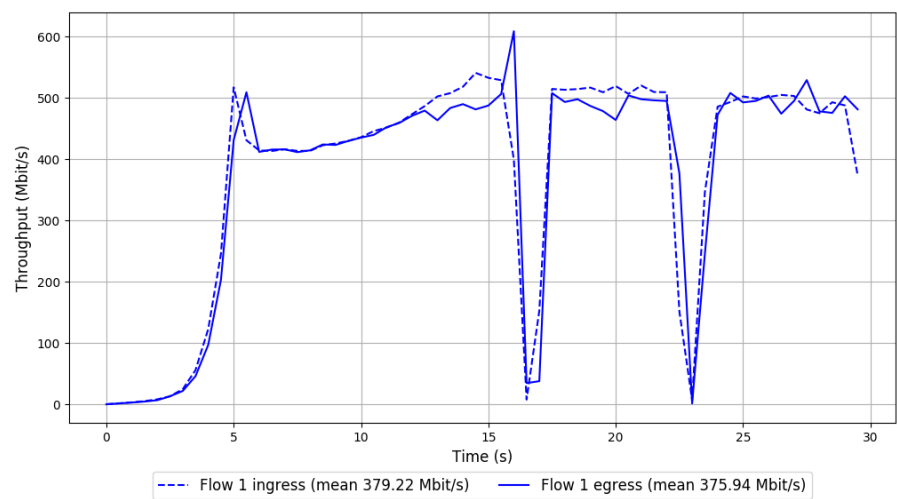
-- Flow 1:

Average throughput: 375.94 Mbit/s

95th percentile per-packet one-way delay: 237.319 ms

Loss rate: 0.86%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-03-05 21:58:30

End at: 2018-03-05 21:59:00

Below is generated by plot.py at 2018-03-06 01:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.14 Mbit/s

95th percentile per-packet one-way delay: 254.969 ms

Loss rate: 4.51%

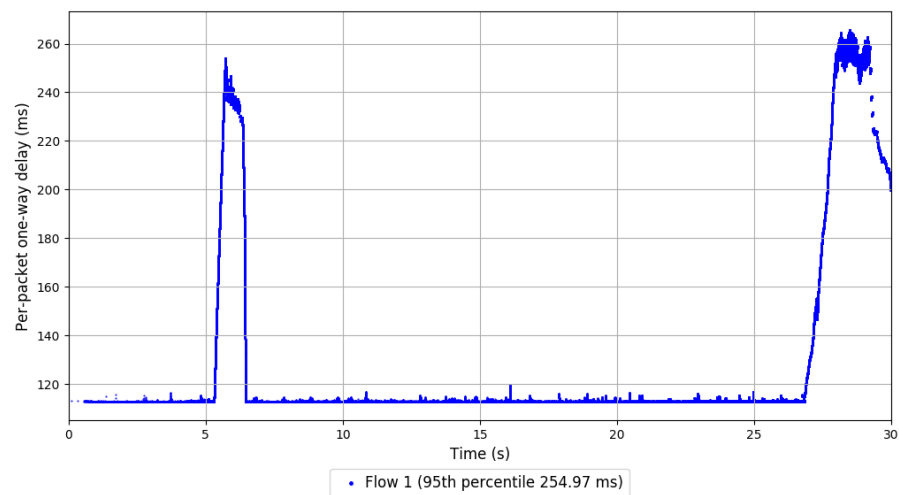
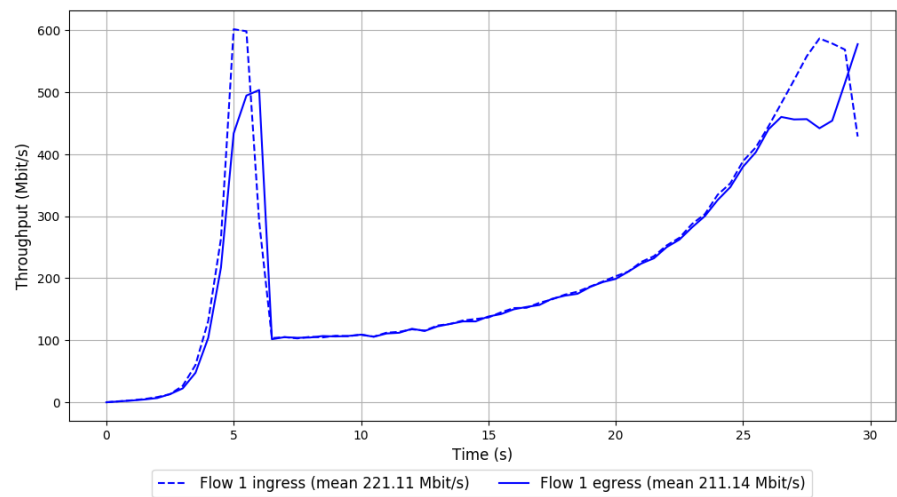
-- Flow 1:

Average throughput: 211.14 Mbit/s

95th percentile per-packet one-way delay: 254.969 ms

Loss rate: 4.51%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-05 22:13:41

End at: 2018-03-05 22:14:11

Below is generated by plot.py at 2018-03-06 01:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.81 Mbit/s

95th percentile per-packet one-way delay: 293.889 ms

Loss rate: 3.08%

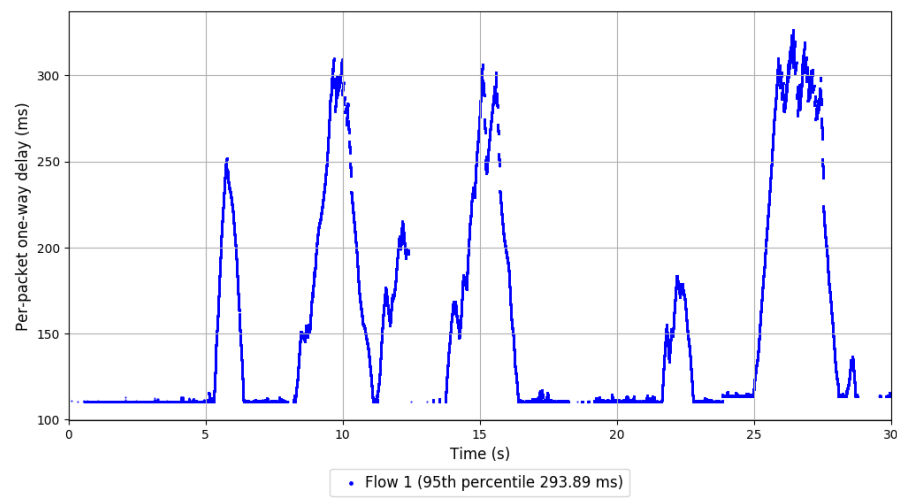
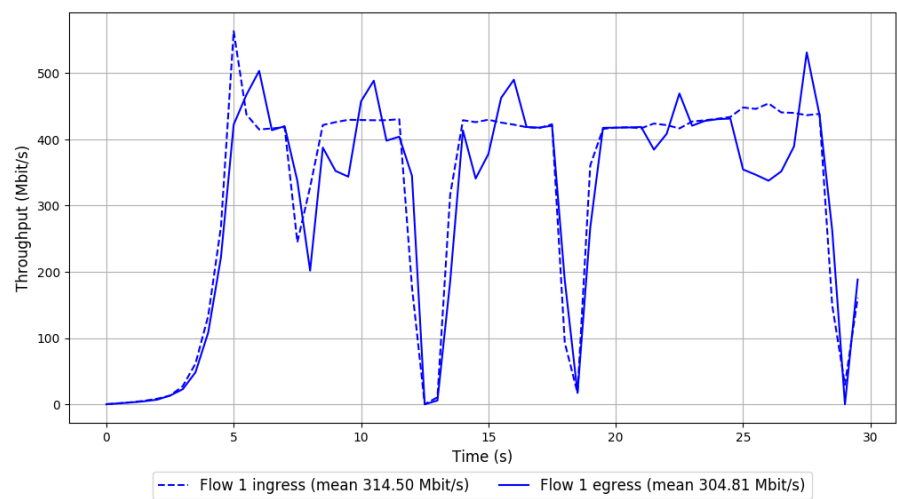
-- Flow 1:

Average throughput: 304.81 Mbit/s

95th percentile per-packet one-way delay: 293.889 ms

Loss rate: 3.08%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-03-05 22:28:53

End at: 2018-03-05 22:29:23

Below is generated by plot.py at 2018-03-06 01:13:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.89 Mbit/s

95th percentile per-packet one-way delay: 247.180 ms

Loss rate: 2.05%

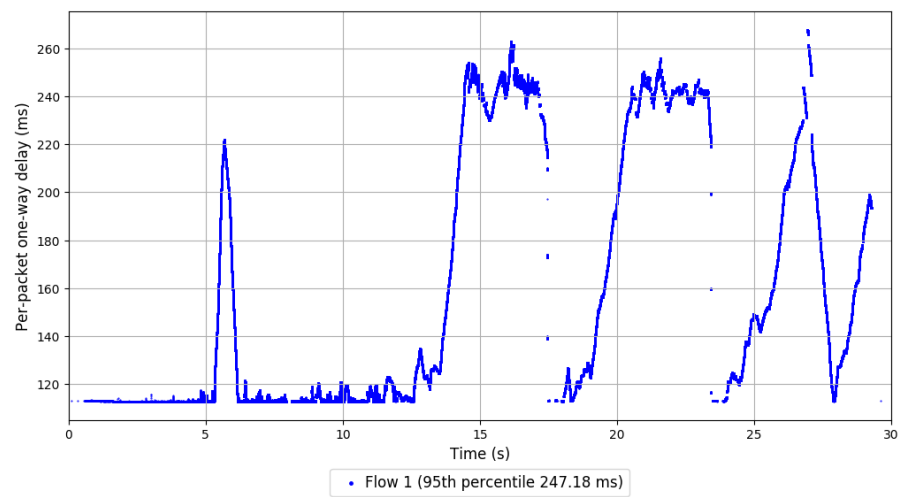
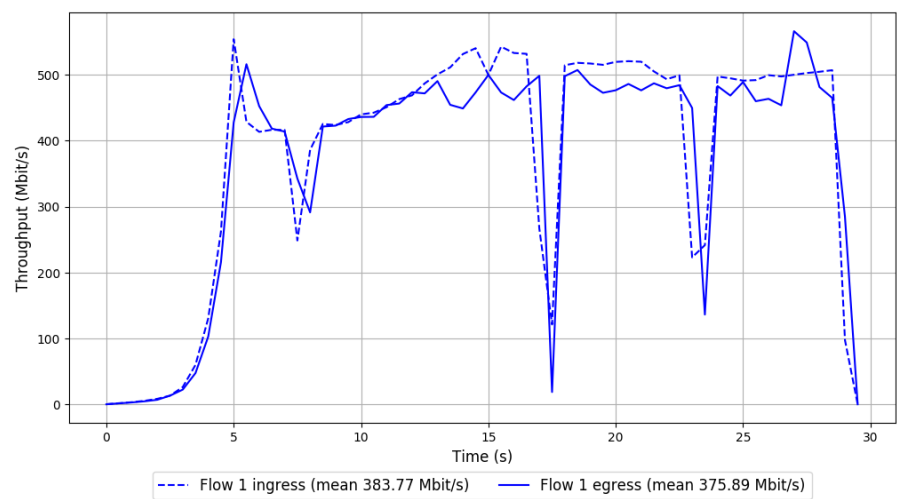
-- Flow 1:

Average throughput: 375.89 Mbit/s

95th percentile per-packet one-way delay: 247.180 ms

Loss rate: 2.05%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-05 22:44:21

End at: 2018-03-05 22:44:51

Below is generated by plot.py at 2018-03-06 01:14:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.60 Mbit/s

95th percentile per-packet one-way delay: 246.016 ms

Loss rate: 1.86%

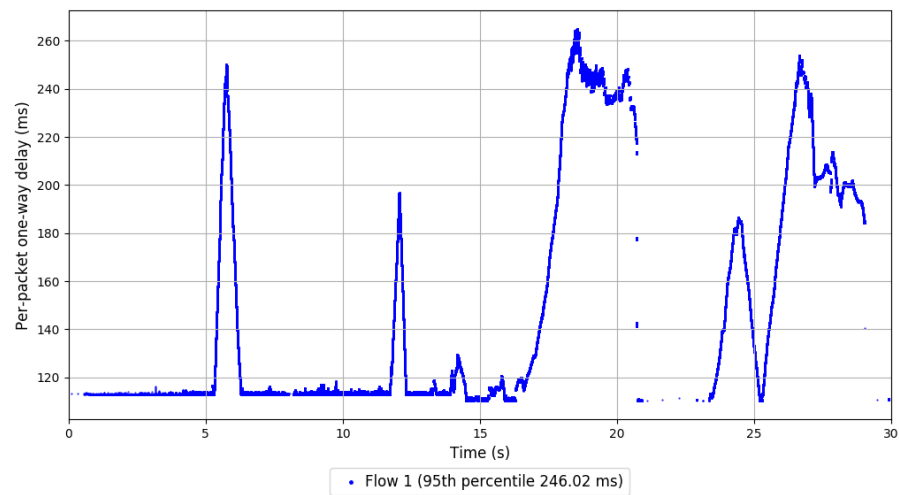
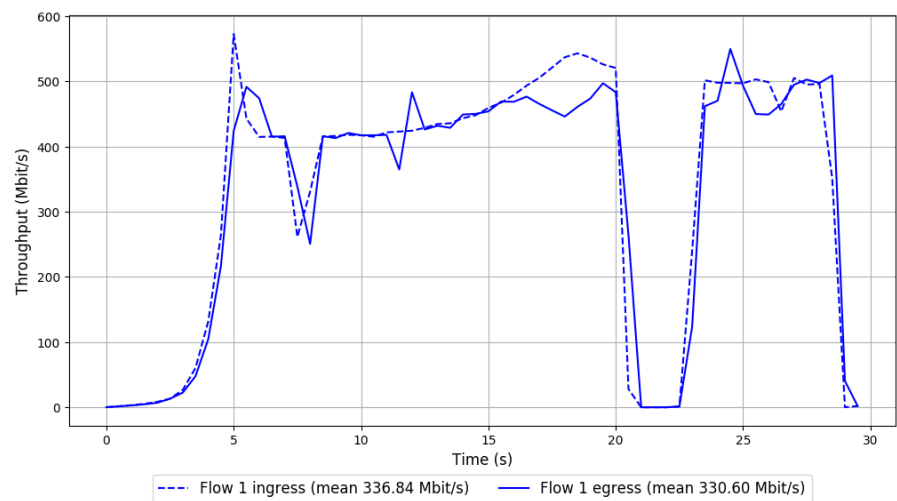
-- Flow 1:

Average throughput: 330.60 Mbit/s

95th percentile per-packet one-way delay: 246.016 ms

Loss rate: 1.86%

Run 10: Report of Vivace-loss — Data Link

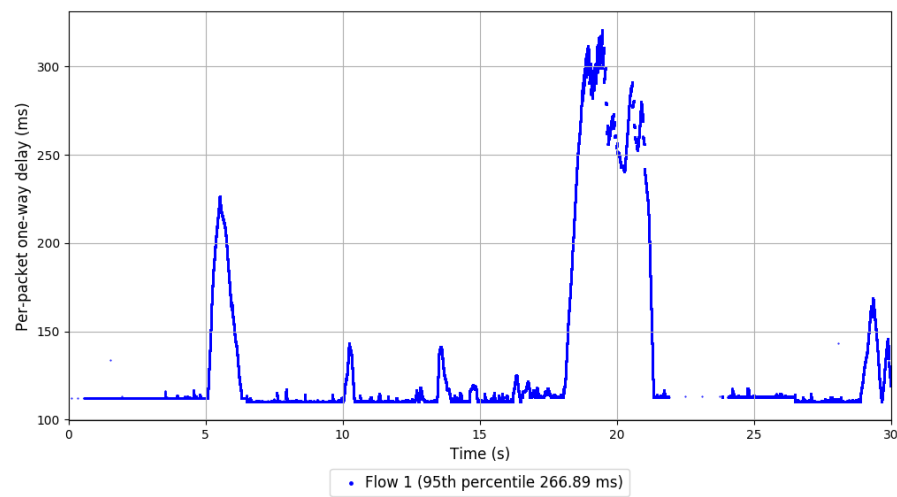
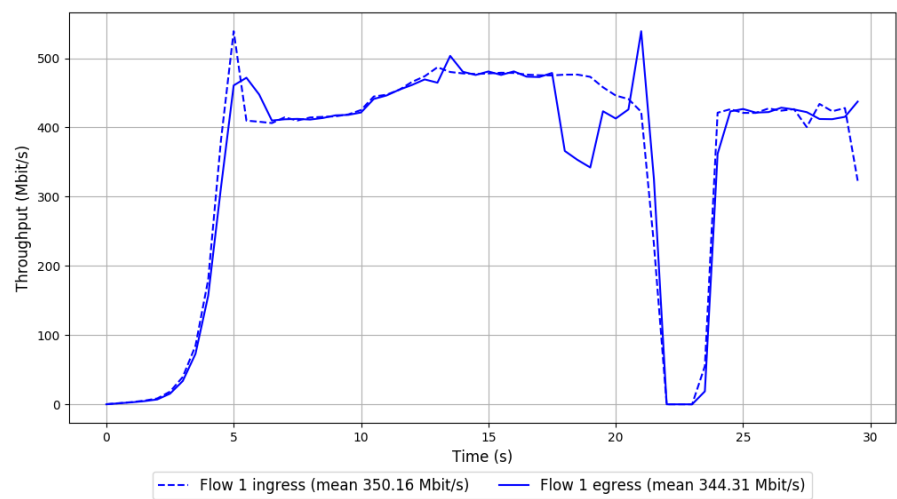


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-03-05 20:21:38
End at: 2018-03-05 20:22:08

# Below is generated by plot.py at 2018-03-06 01:16:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 344.31 Mbit/s
95th percentile per-packet one-way delay: 266.895 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 344.31 Mbit/s
95th percentile per-packet one-way delay: 266.895 ms
Loss rate: 1.66%
```

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-03-05 20:36:56

End at: 2018-03-05 20:37:26

Below is generated by plot.py at 2018-03-06 01:17:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.76 Mbit/s

95th percentile per-packet one-way delay: 184.961 ms

Loss rate: 0.14%

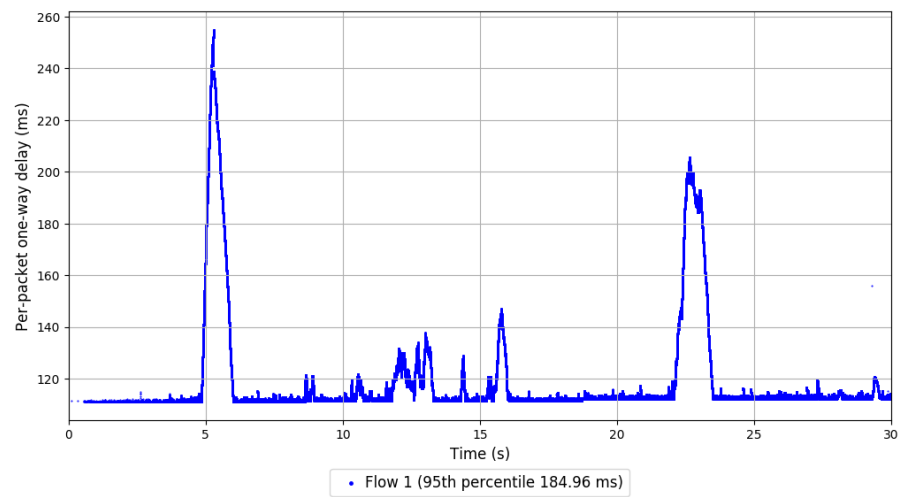
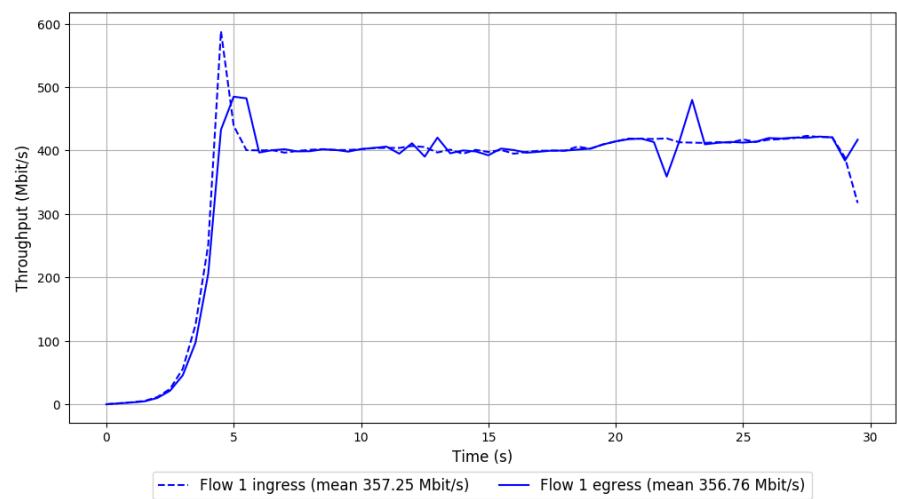
-- Flow 1:

Average throughput: 356.76 Mbit/s

95th percentile per-packet one-way delay: 184.961 ms

Loss rate: 0.14%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-03-05 20:52:18

End at: 2018-03-05 20:52:48

Below is generated by plot.py at 2018-03-06 01:17:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.29 Mbit/s

95th percentile per-packet one-way delay: 229.636 ms

Loss rate: 1.36%

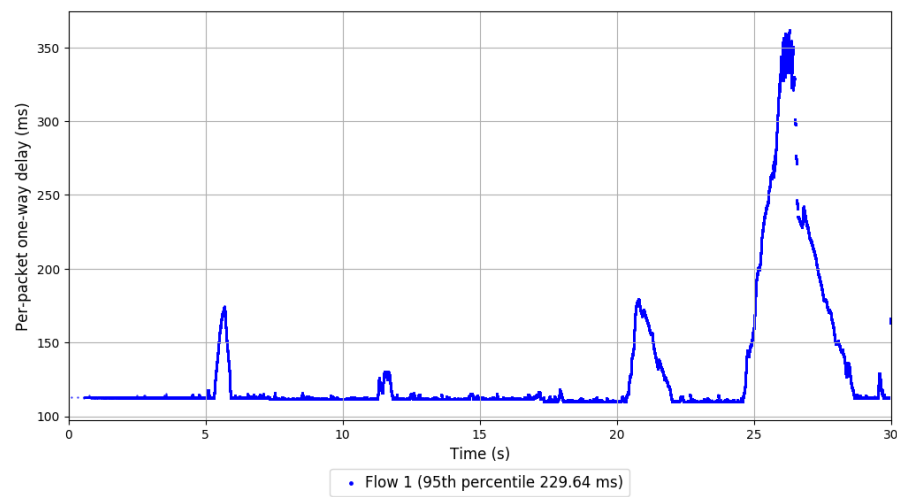
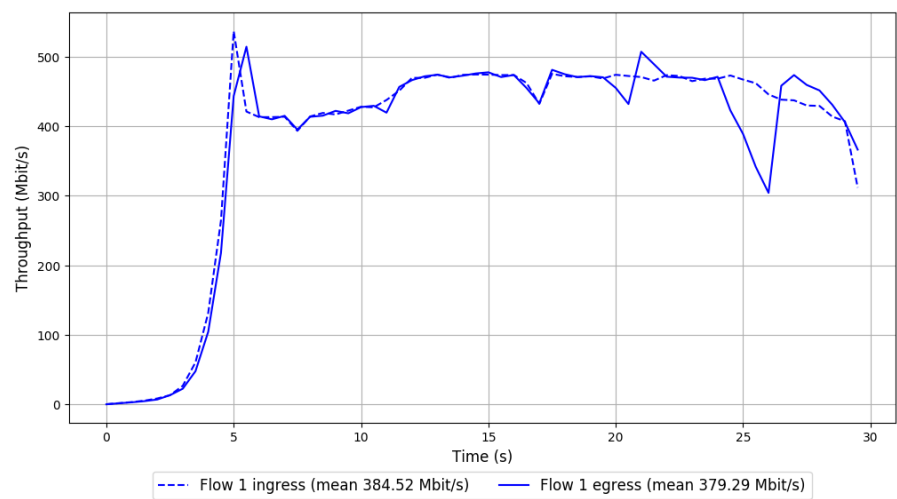
-- Flow 1:

Average throughput: 379.29 Mbit/s

95th percentile per-packet one-way delay: 229.636 ms

Loss rate: 1.36%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-05 21:07:44

End at: 2018-03-05 21:08:14

Below is generated by plot.py at 2018-03-06 01:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.53 Mbit/s

95th percentile per-packet one-way delay: 181.447 ms

Loss rate: 0.21%

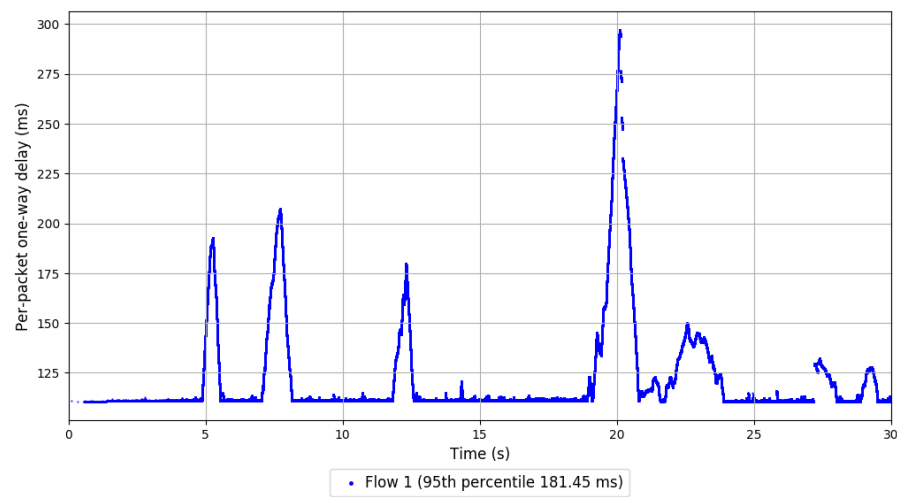
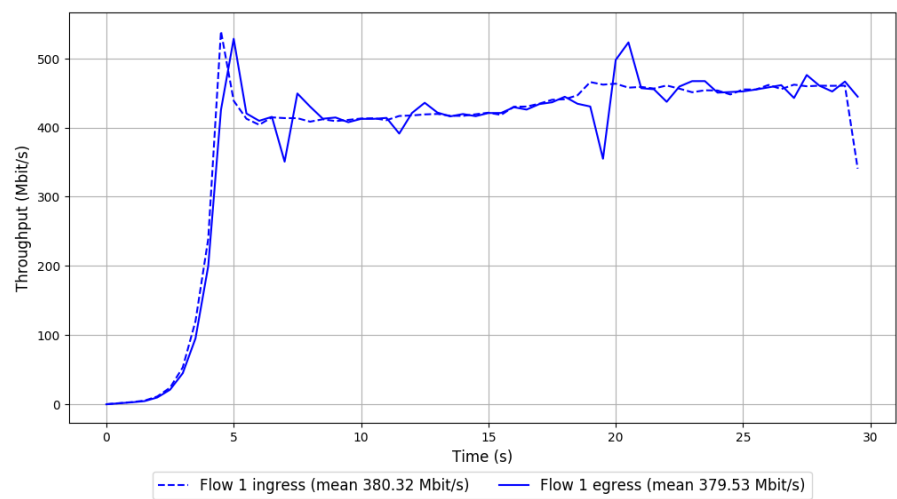
-- Flow 1:

Average throughput: 379.53 Mbit/s

95th percentile per-packet one-way delay: 181.447 ms

Loss rate: 0.21%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-05 21:23:17

End at: 2018-03-05 21:23:47

Below is generated by plot.py at 2018-03-06 01:18:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.47 Mbit/s

95th percentile per-packet one-way delay: 238.076 ms

Loss rate: 0.61%

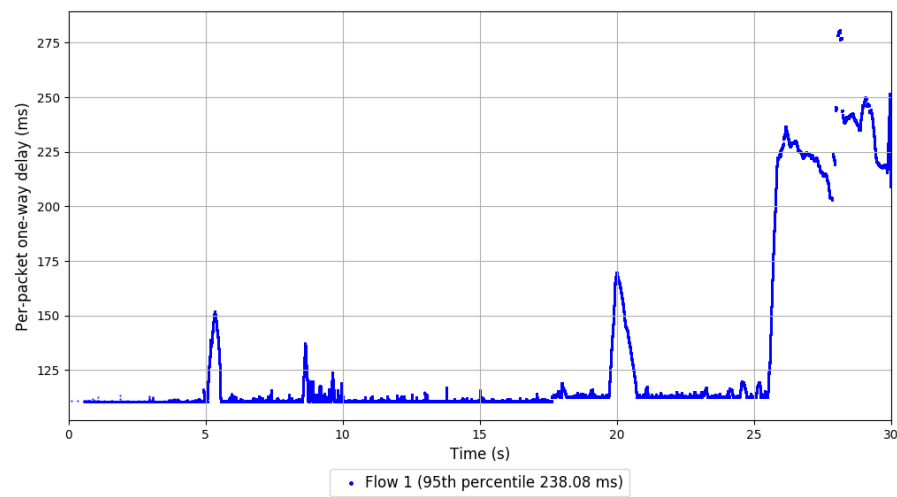
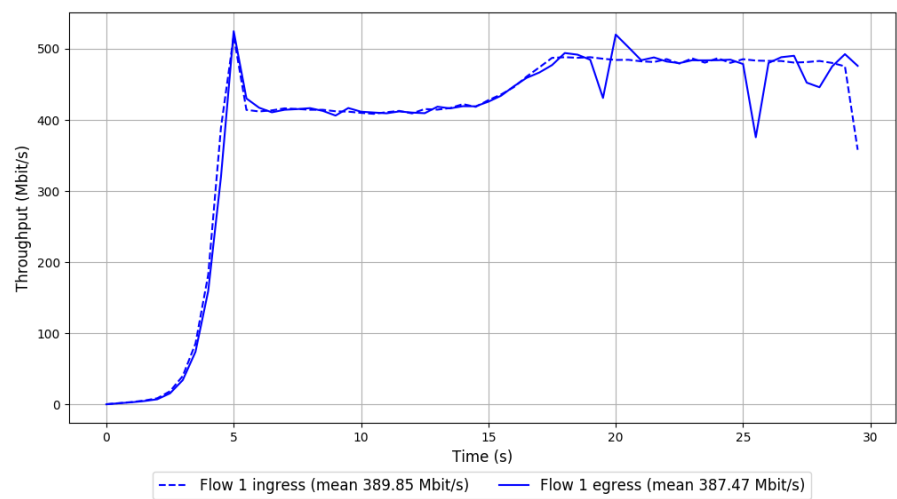
-- Flow 1:

Average throughput: 387.47 Mbit/s

95th percentile per-packet one-way delay: 238.076 ms

Loss rate: 0.61%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-03-05 21:38:57

End at: 2018-03-05 21:39:27

Below is generated by plot.py at 2018-03-06 01:18:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.82 Mbit/s

95th percentile per-packet one-way delay: 124.555 ms

Loss rate: 0.01%

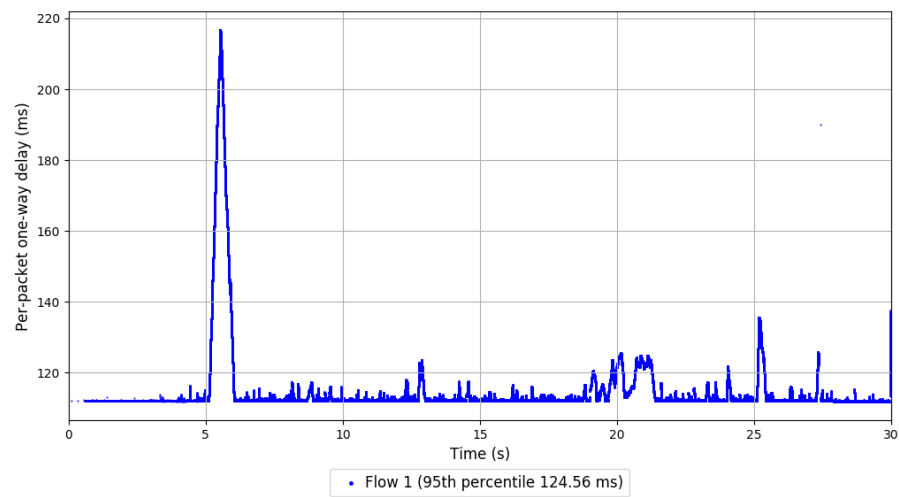
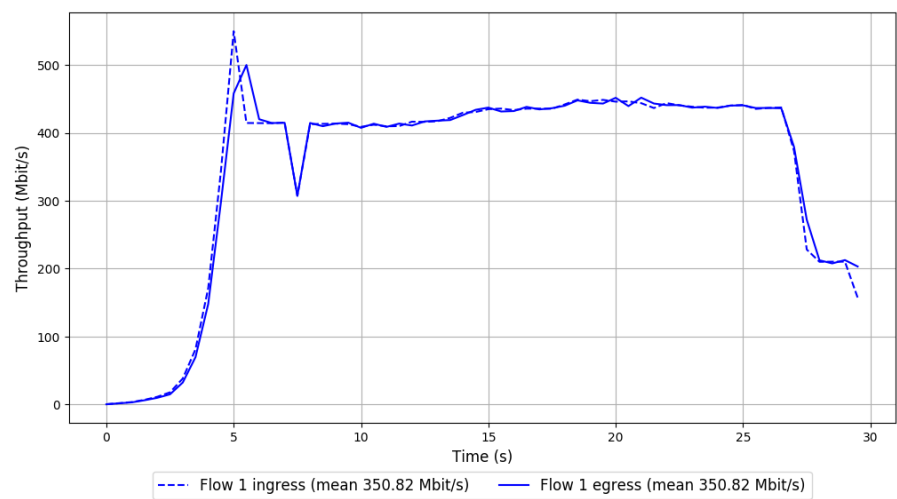
-- Flow 1:

Average throughput: 350.82 Mbit/s

95th percentile per-packet one-way delay: 124.555 ms

Loss rate: 0.01%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-05 21:54:32

End at: 2018-03-05 21:55:02

Below is generated by plot.py at 2018-03-06 01:18:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.85 Mbit/s

95th percentile per-packet one-way delay: 185.249 ms

Loss rate: 1.13%

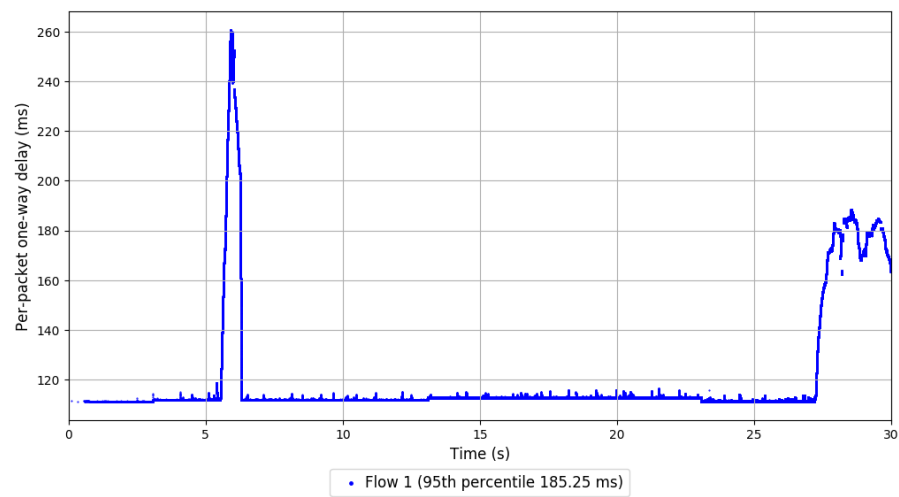
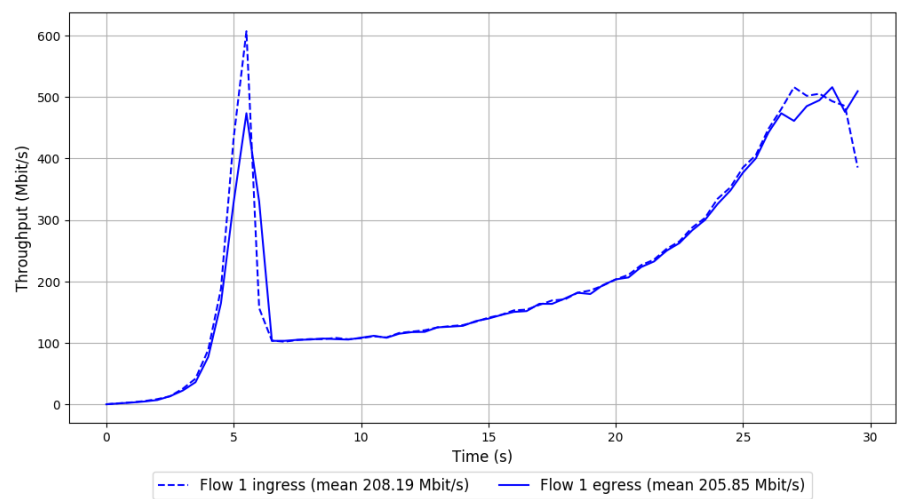
-- Flow 1:

Average throughput: 205.85 Mbit/s

95th percentile per-packet one-way delay: 185.249 ms

Loss rate: 1.13%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-05 22:09:32

End at: 2018-03-05 22:10:02

Below is generated by plot.py at 2018-03-06 01:19:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.19 Mbit/s

95th percentile per-packet one-way delay: 239.449 ms

Loss rate: 0.22%

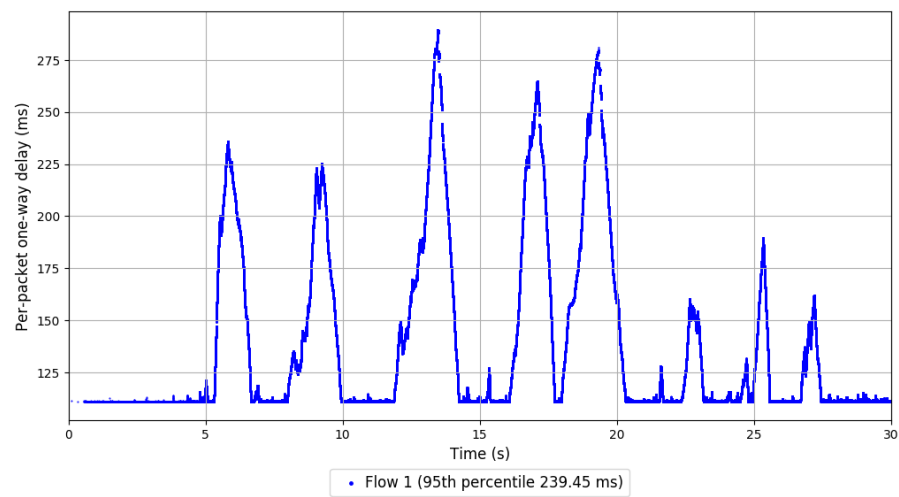
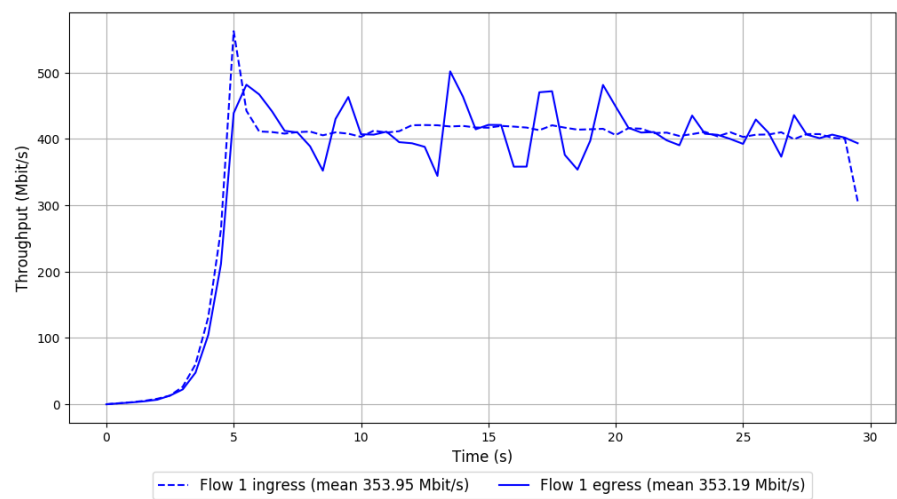
-- Flow 1:

Average throughput: 353.19 Mbit/s

95th percentile per-packet one-way delay: 239.449 ms

Loss rate: 0.22%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-03-05 22:24:49

End at: 2018-03-05 22:25:19

Below is generated by plot.py at 2018-03-06 01:19:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.80 Mbit/s

95th percentile per-packet one-way delay: 247.119 ms

Loss rate: 0.89%

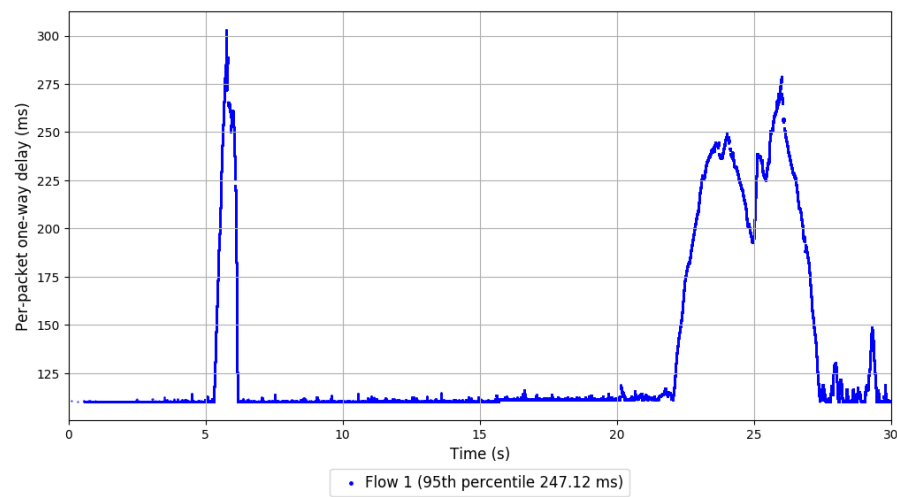
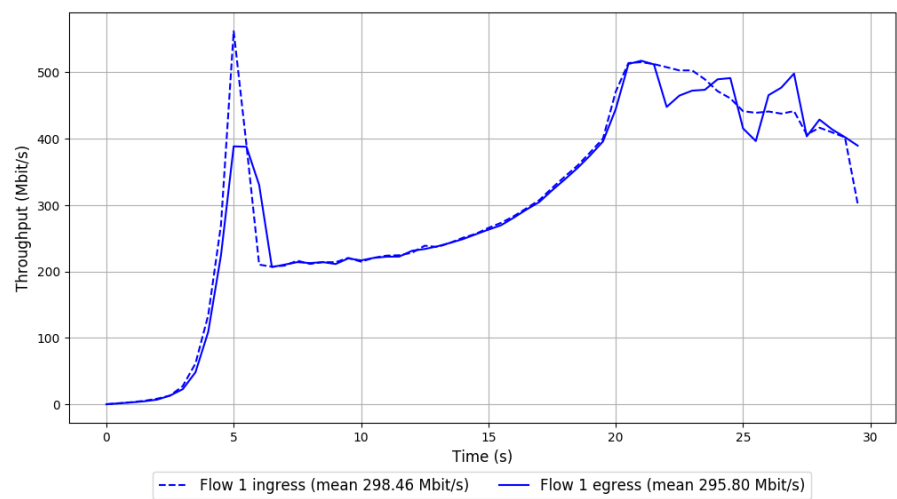
-- Flow 1:

Average throughput: 295.80 Mbit/s

95th percentile per-packet one-way delay: 247.119 ms

Loss rate: 0.89%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-05 22:40:11

End at: 2018-03-05 22:40:41

Below is generated by plot.py at 2018-03-06 01:19:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.34 Mbit/s

95th percentile per-packet one-way delay: 135.366 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 364.34 Mbit/s

95th percentile per-packet one-way delay: 135.366 ms

Loss rate: 0.04%

Run 10: Report of Vivace-LTE — Data Link

