

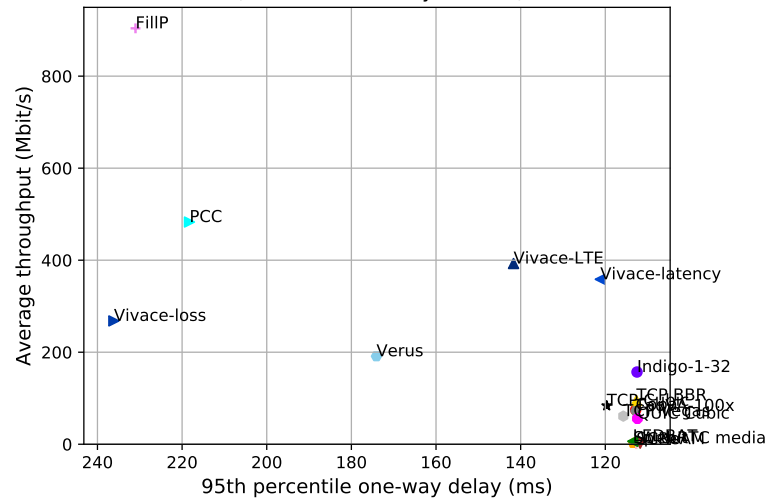
Pantheon Report

Generated at 2018-02-27 13:54:05 (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**).

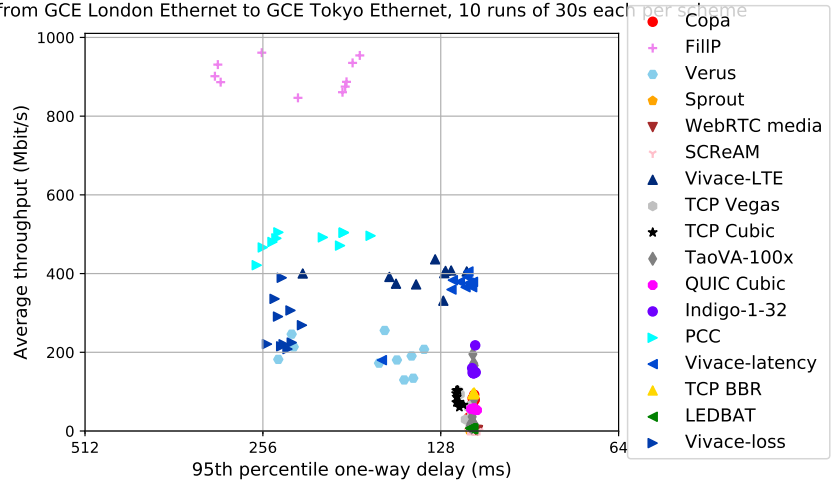
Git summary:

```
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	95.20	112.65	0.00
TCP Cubic	10	83.69	119.66	0.01
LEDBAT	10	6.38	113.52	0.00
PCC	10	482.94	218.26	1.51
QUIC Cubic	8	55.67	112.41	0.01
SCReAM	10	0.20	112.68	0.00
WebRTC media	10	2.17	111.76	0.00
Sprout	10	2.37	113.38	0.00
TaoVA-100x	10	72.37	112.97	0.00
TCP Vegas	10	61.07	115.74	0.00
Verus	10	191.21	174.08	0.38
Copa	10	74.65	112.82	0.00
FillP	10	903.92	231.01	2.97
Indigo-1-32	10	156.95	112.51	0.00
Vivace-latency	10	358.46	121.20	0.17
Vivace-loss	10	268.02	236.12	5.86
Vivace-LTE	10	392.76	141.68	0.20

Run 1: Statistics of TCP BBR

Start at: 2018-02-27 08:56:59

End at: 2018-02-27 08:57:29

Below is generated by plot.py at 2018-02-27 12:45:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.74 Mbit/s

95th percentile per-packet one-way delay: 113.004 ms

Loss rate: 0.00%

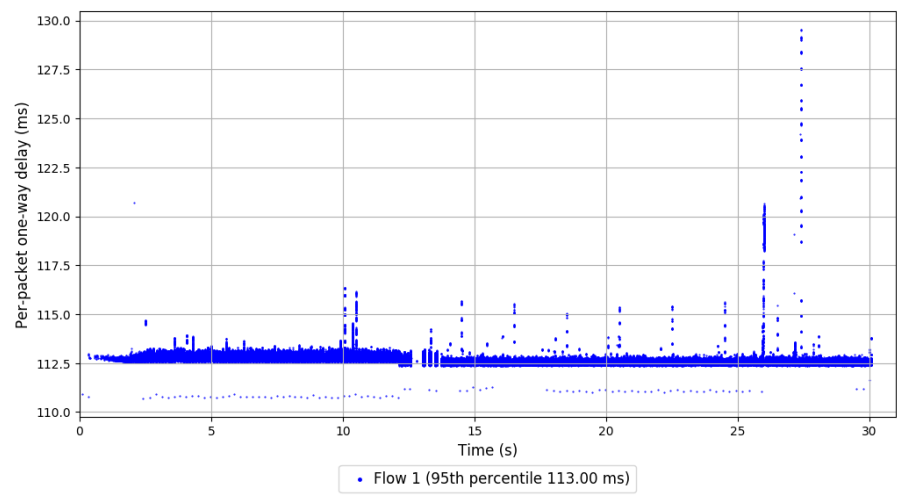
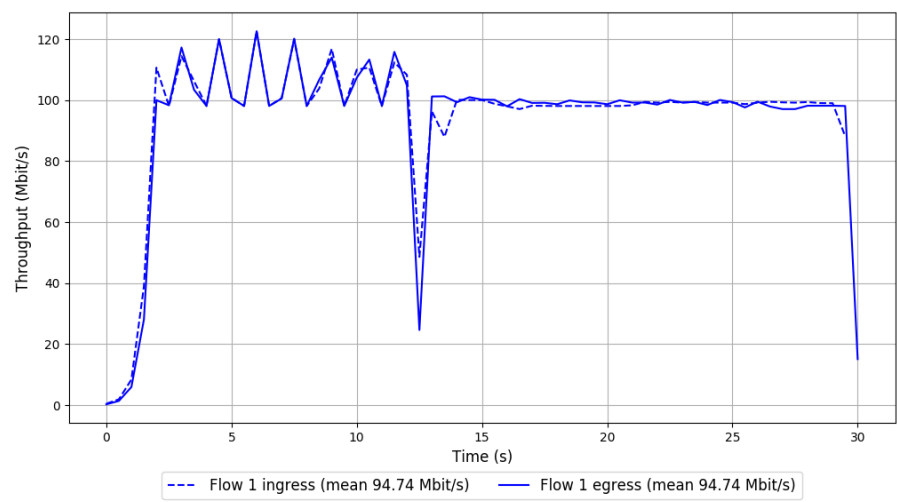
-- Flow 1:

Average throughput: 94.74 Mbit/s

95th percentile per-packet one-way delay: 113.004 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-27 09:12:08

End at: 2018-02-27 09:12:38

Below is generated by plot.py at 2018-02-27 12:45:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.79 Mbit/s

95th percentile per-packet one-way delay: 112.633 ms

Loss rate: 0.00%

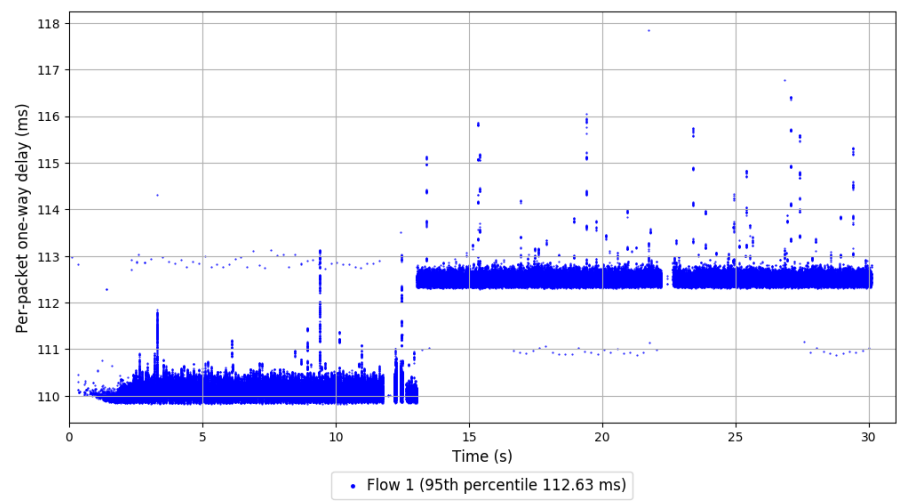
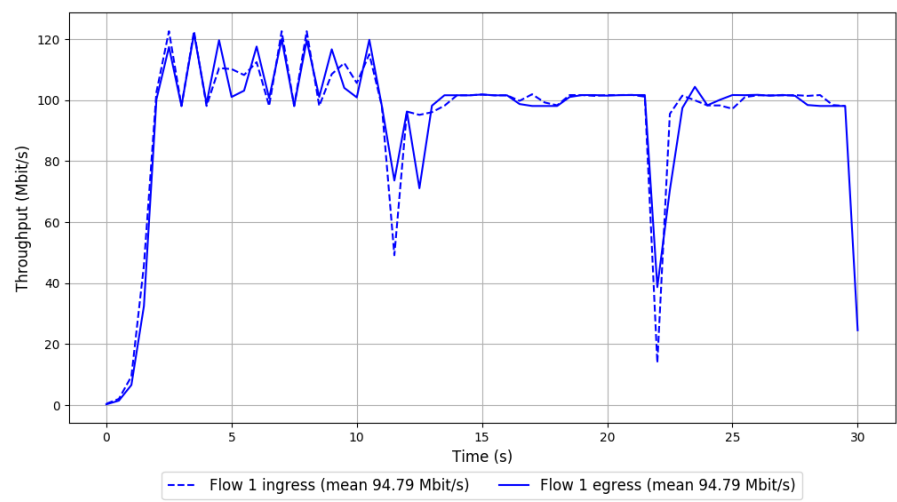
-- Flow 1:

Average throughput: 94.79 Mbit/s

95th percentile per-packet one-way delay: 112.633 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-27 09:28:05

End at: 2018-02-27 09:28:35

Below is generated by plot.py at 2018-02-27 12:45:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 112.912 ms

Loss rate: 0.00%

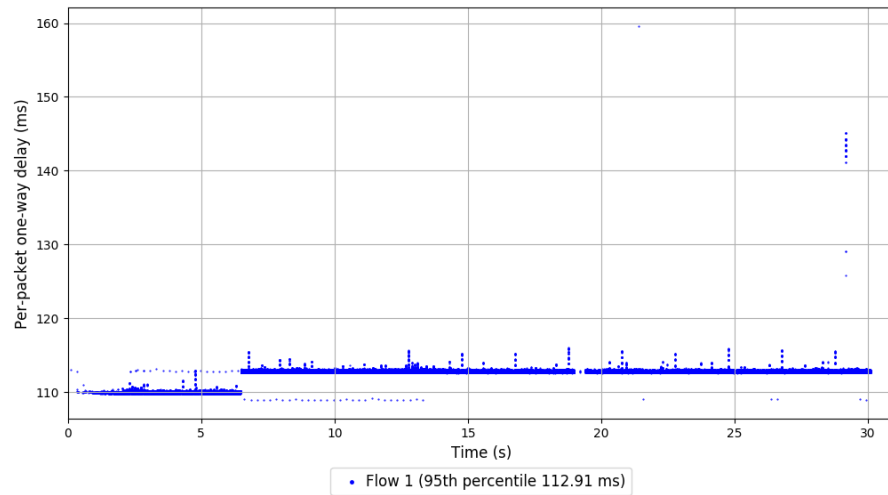
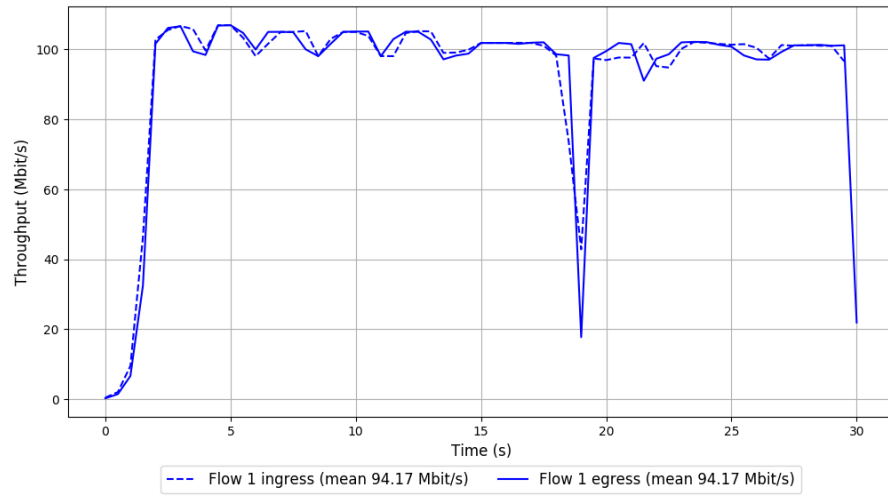
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 112.912 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-27 09:43:56

End at: 2018-02-27 09:44:26

Below is generated by plot.py at 2018-02-27 12:45:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 112.936 ms

Loss rate: 0.00%

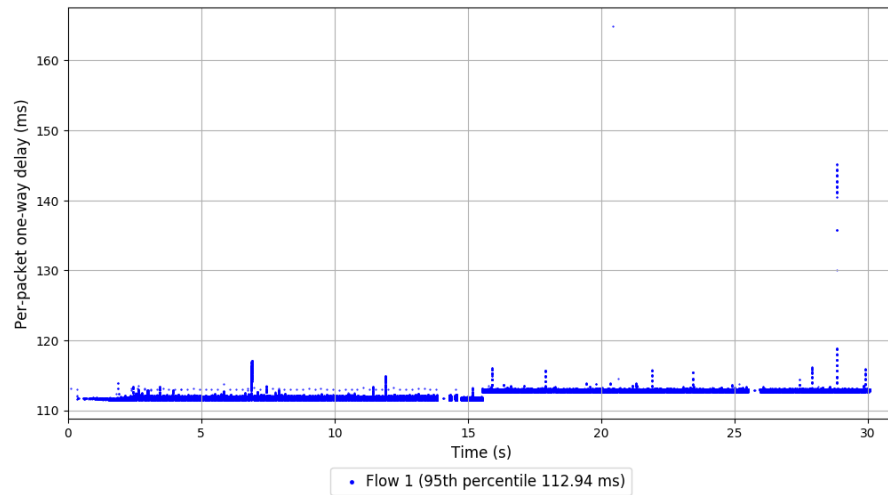
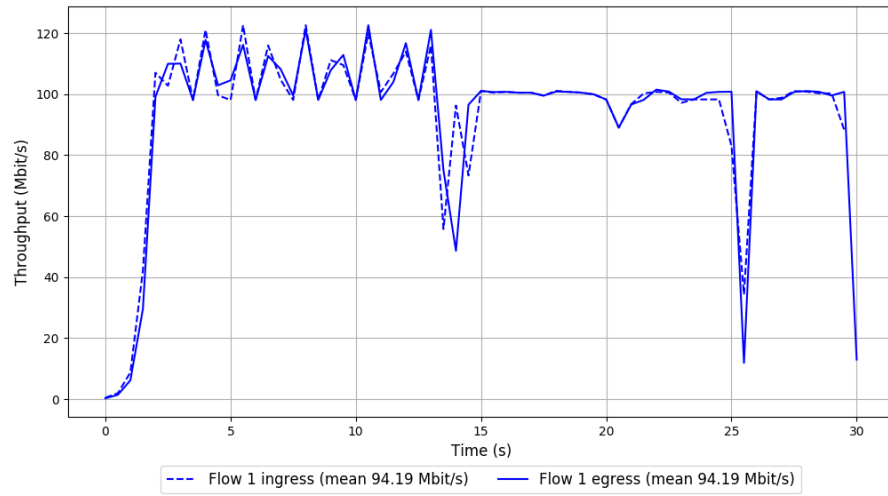
-- Flow 1:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 112.936 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-27 09:59:45

End at: 2018-02-27 10:00:15

Below is generated by plot.py at 2018-02-27 12:45:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 112.922 ms

Loss rate: 0.01%

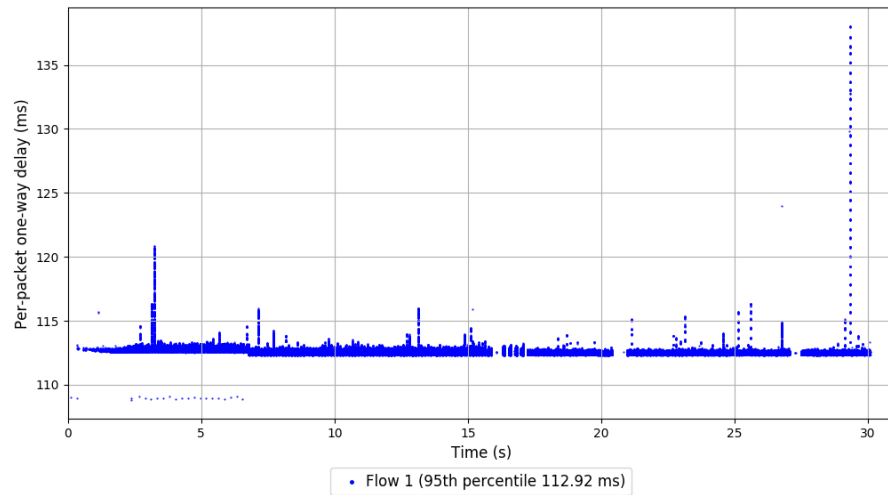
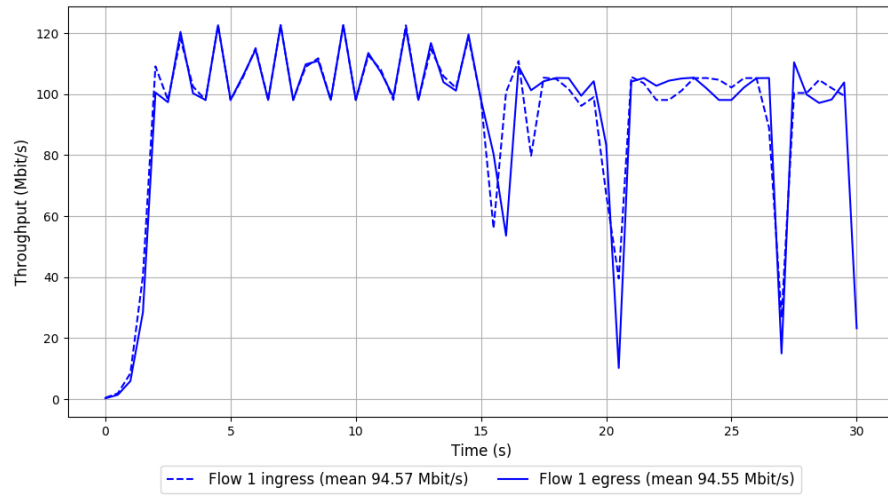
-- Flow 1:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 112.922 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-27 10:15:11

End at: 2018-02-27 10:15:41

Below is generated by plot.py at 2018-02-27 12:45:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 112.685 ms

Loss rate: 0.01%

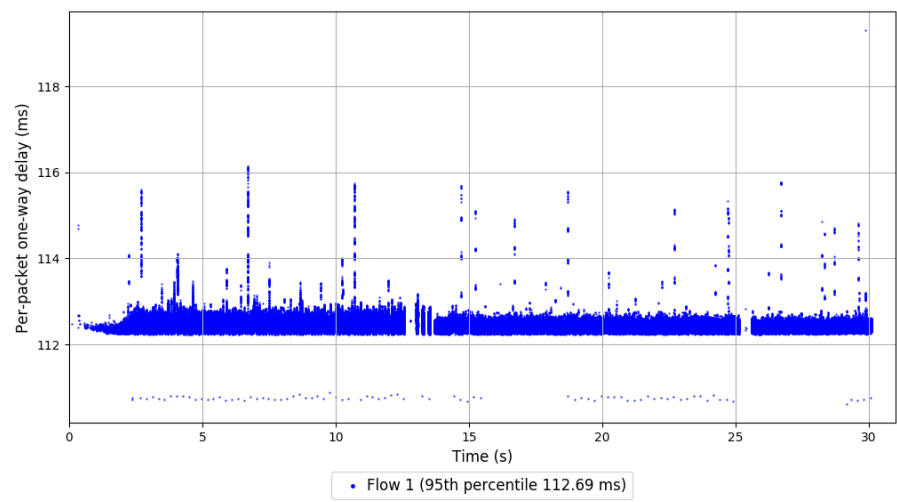
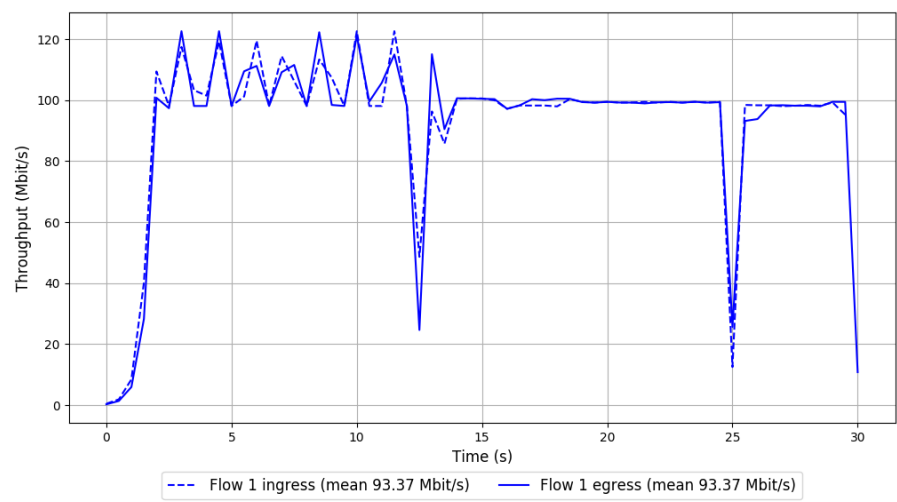
-- Flow 1:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 112.685 ms

Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-27 10:30:18

End at: 2018-02-27 10:30:48

Below is generated by plot.py at 2018-02-27 12:45:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.80 Mbit/s

95th percentile per-packet one-way delay: 112.344 ms

Loss rate: 0.00%

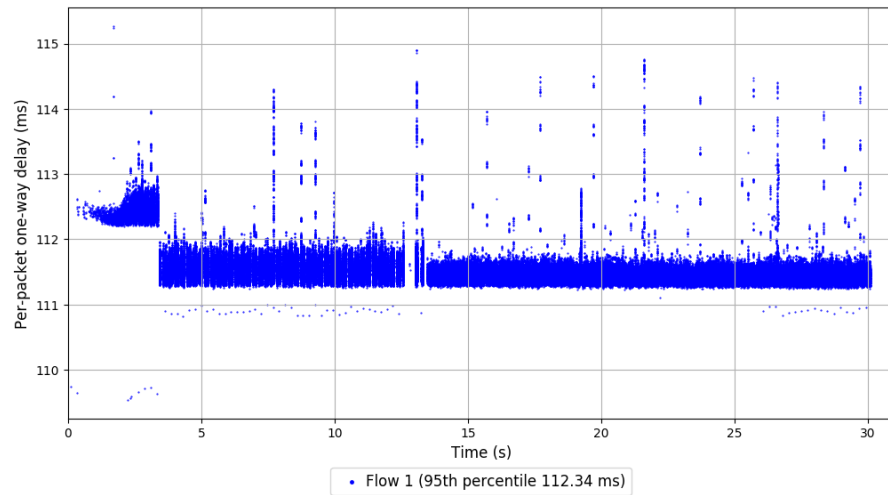
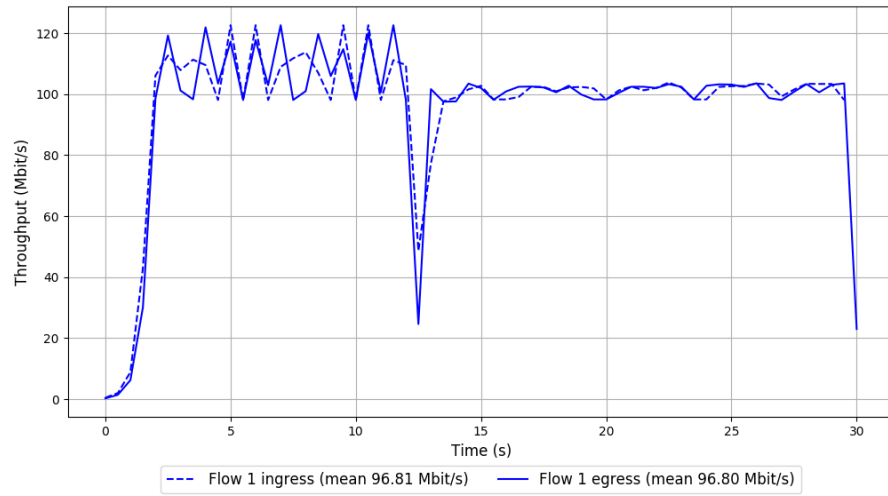
-- Flow 1:

Average throughput: 96.80 Mbit/s

95th percentile per-packet one-way delay: 112.344 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-27 10:45:47

End at: 2018-02-27 10:46:17

Below is generated by plot.py at 2018-02-27 12:45:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 112.317 ms

Loss rate: 0.00%

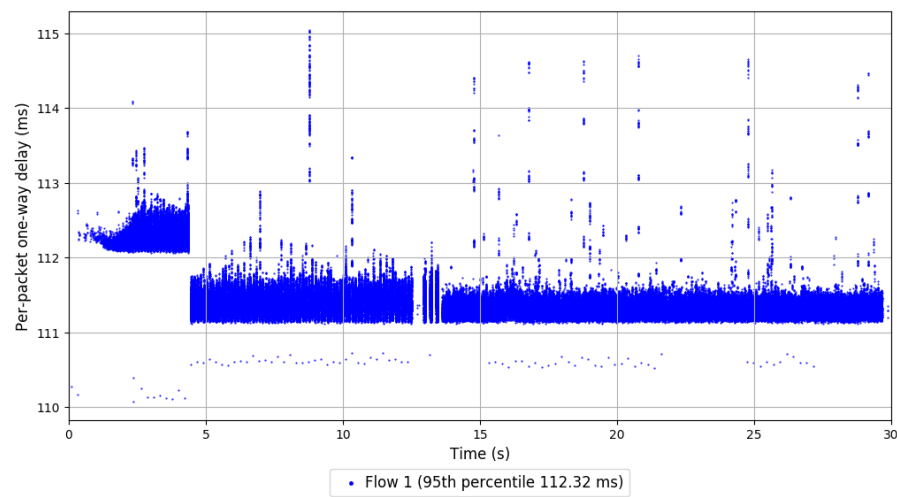
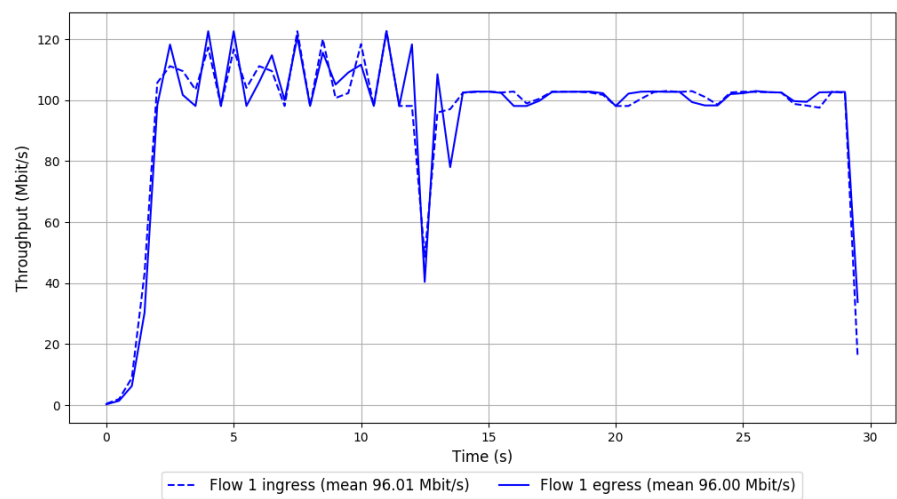
-- Flow 1:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 112.317 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

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

End at: 2018-02-27 11:01:41

Below is generated by plot.py at 2018-02-27 12:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.94 Mbit/s

95th percentile per-packet one-way delay: 112.444 ms

Loss rate: 0.00%

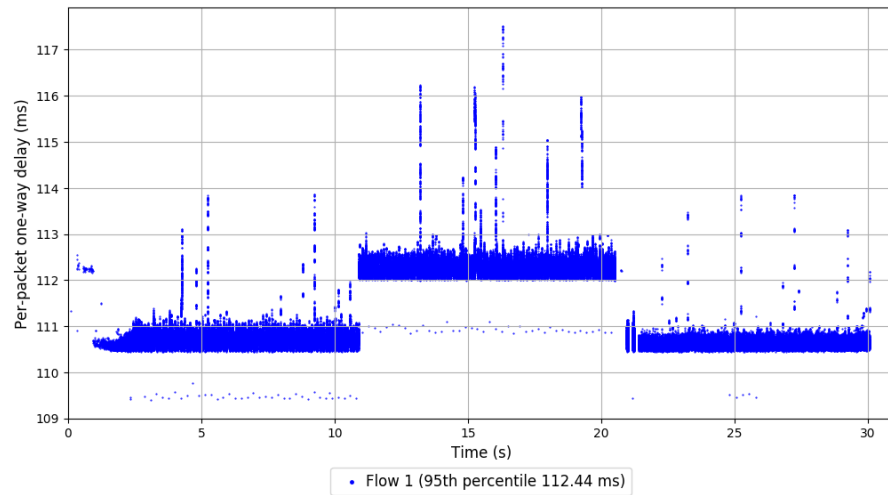
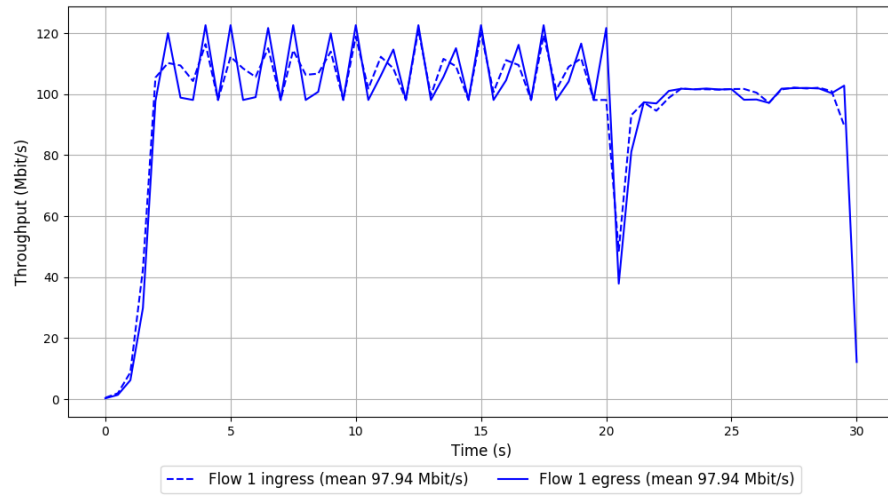
-- Flow 1:

Average throughput: 97.94 Mbit/s

95th percentile per-packet one-way delay: 112.444 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-27 11:16:34

End at: 2018-02-27 11:17:04

Below is generated by plot.py at 2018-02-27 12:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 112.348 ms

Loss rate: 0.00%

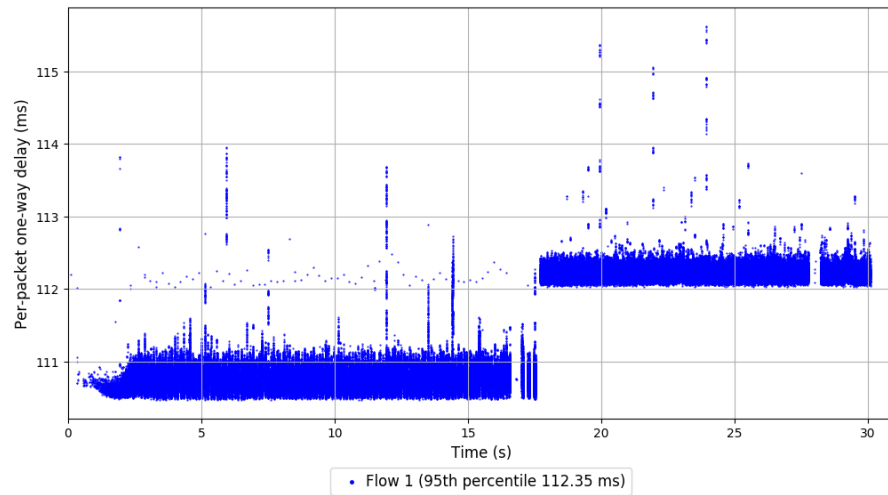
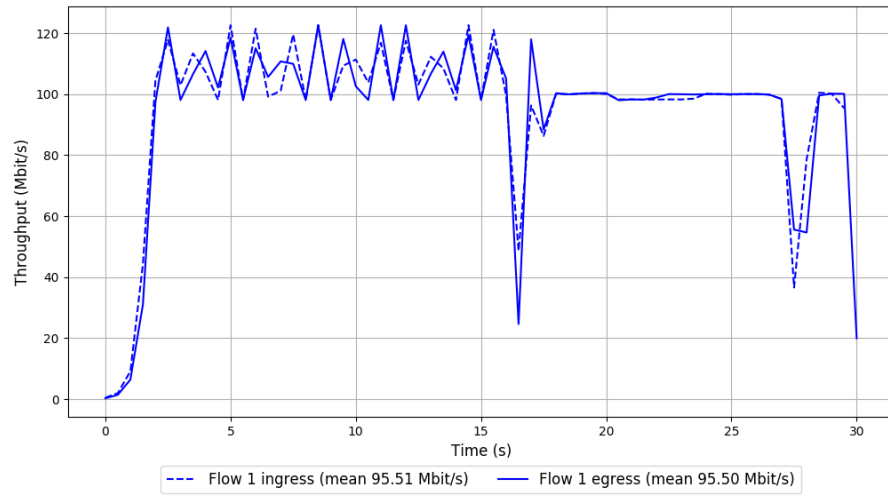
-- Flow 1:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 112.348 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

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

End at: 2018-02-27 08:52:53

Below is generated by plot.py at 2018-02-27 12:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.24 Mbit/s

95th percentile per-packet one-way delay: 119.904 ms

Loss rate: 0.00%

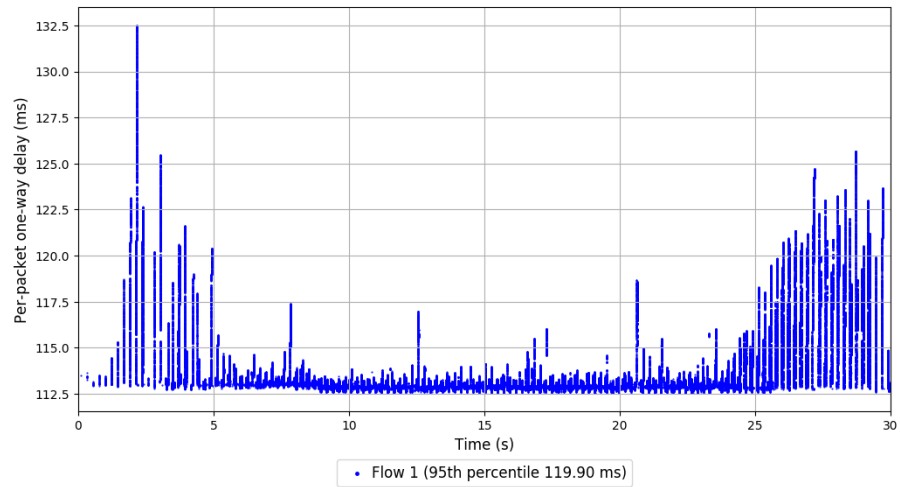
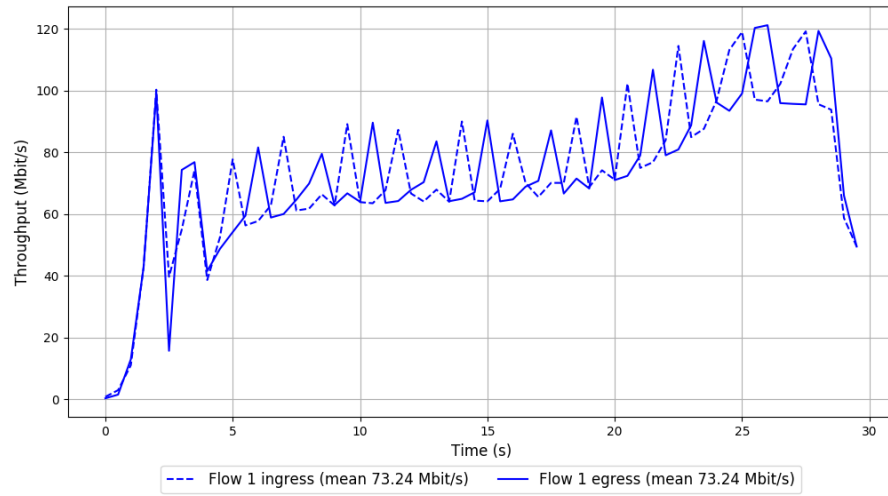
-- Flow 1:

Average throughput: 73.24 Mbit/s

95th percentile per-packet one-way delay: 119.904 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-27 09:07:31

End at: 2018-02-27 09:08:01

Below is generated by plot.py at 2018-02-27 12:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.57 Mbit/s

95th percentile per-packet one-way delay: 119.979 ms

Loss rate: 0.00%

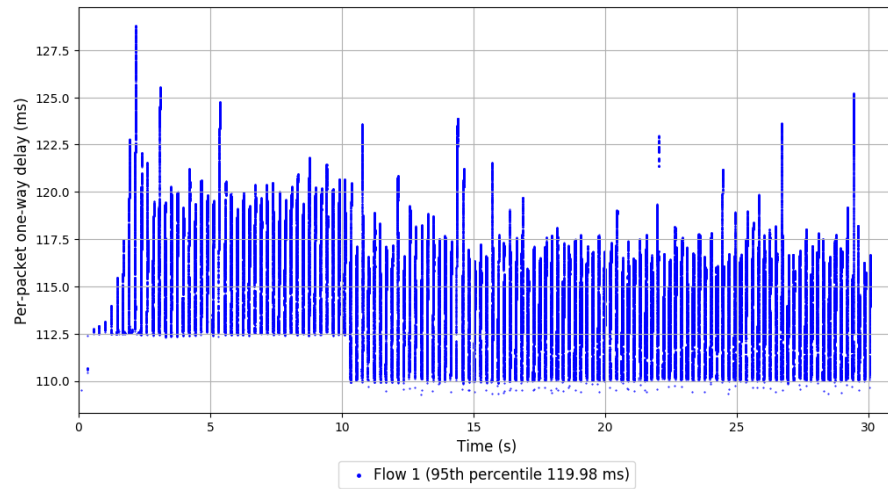
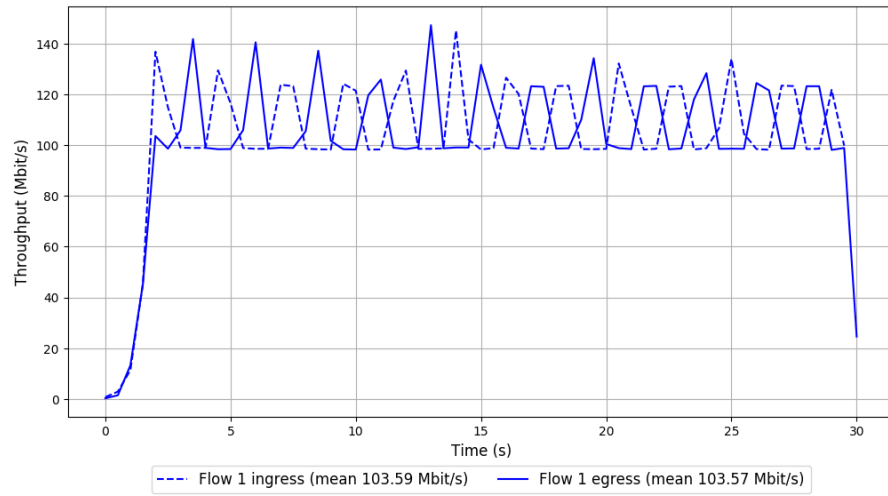
-- Flow 1:

Average throughput: 103.57 Mbit/s

95th percentile per-packet one-way delay: 119.979 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-27 09:23:27

End at: 2018-02-27 09:23:57

Below is generated by plot.py at 2018-02-27 12:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 120.538 ms

Loss rate: 0.08%

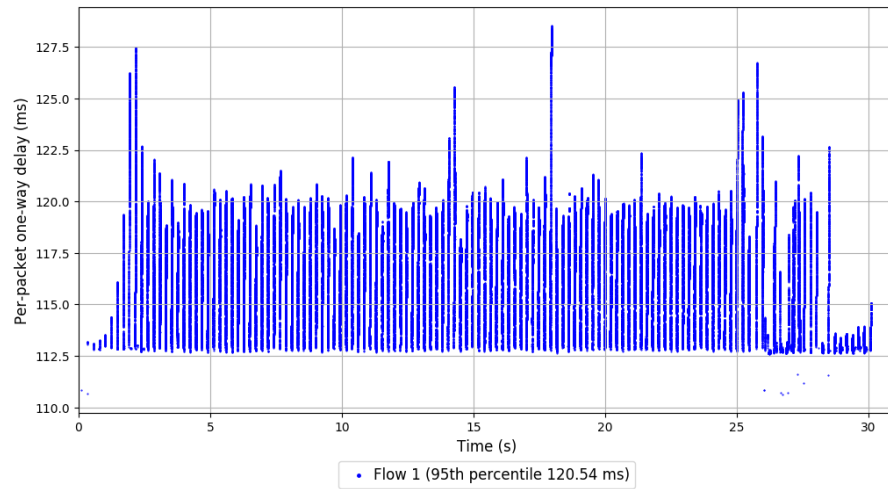
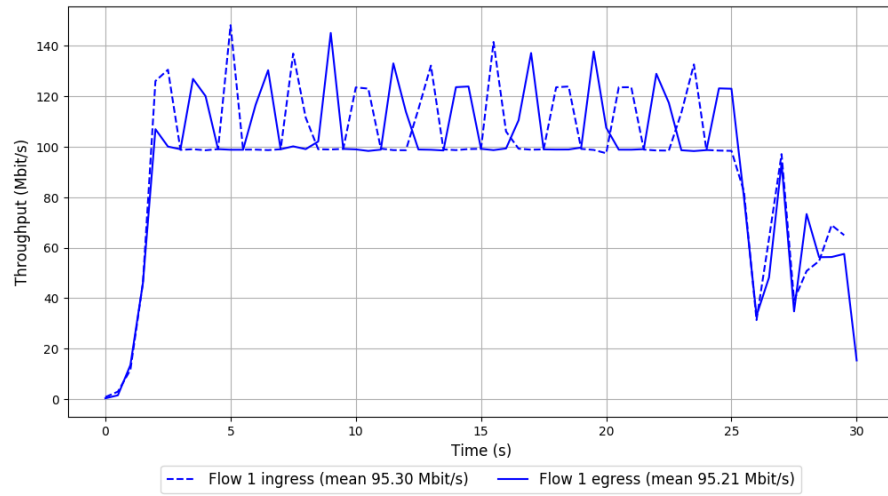
-- Flow 1:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 120.538 ms

Loss rate: 0.08%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-27 09:39:17

End at: 2018-02-27 09:39:47

Below is generated by plot.py at 2018-02-27 12:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.48 Mbit/s

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

Loss rate: 0.00%

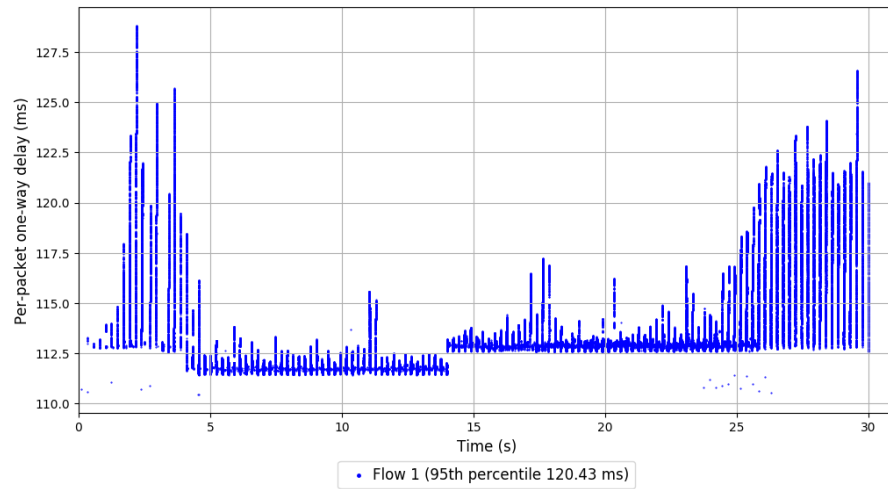
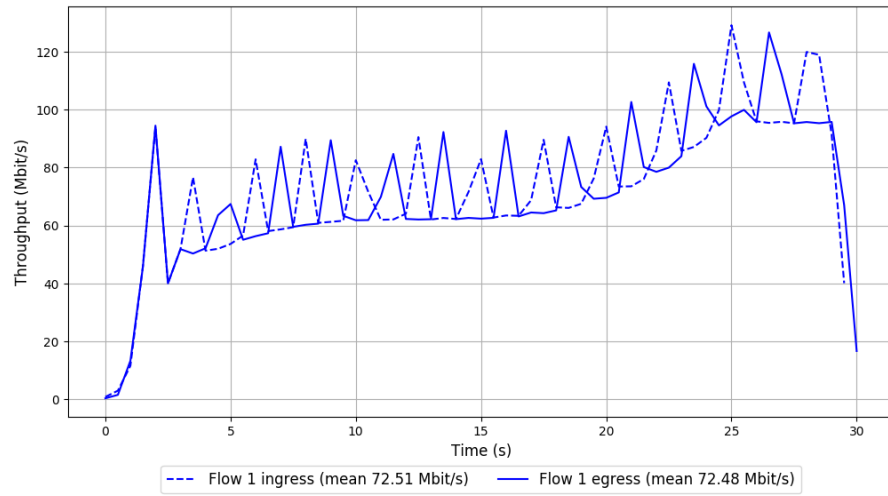
-- Flow 1:

Average throughput: 72.48 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-27 09:55:07

End at: 2018-02-27 09:55:37

Below is generated by plot.py at 2018-02-27 12:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 119.097 ms

Loss rate: 0.00%

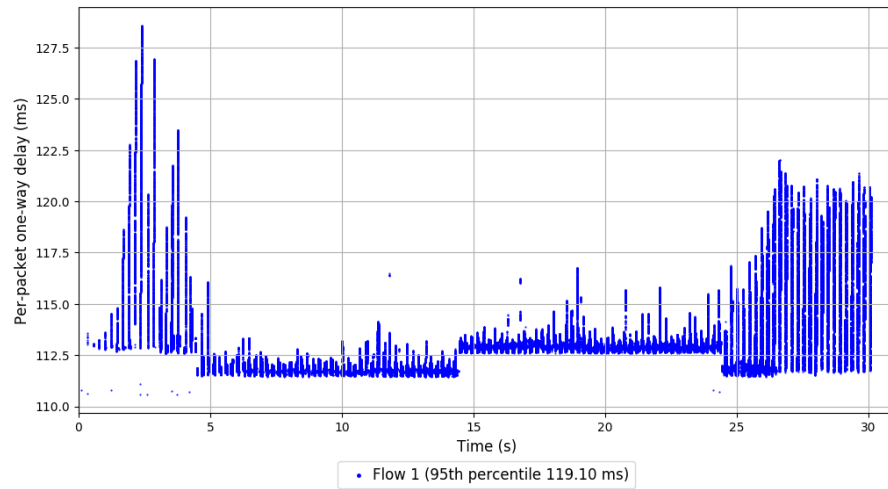
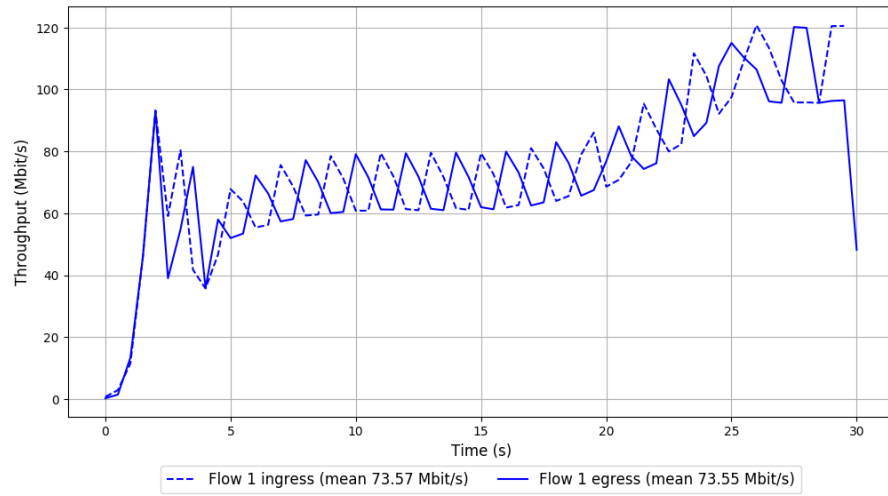
-- Flow 1:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 119.097 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-27 10:10:38

End at: 2018-02-27 10:11:08

Below is generated by plot.py at 2018-02-27 12:47:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.59 Mbit/s

95th percentile per-packet one-way delay: 120.455 ms

Loss rate: 0.00%

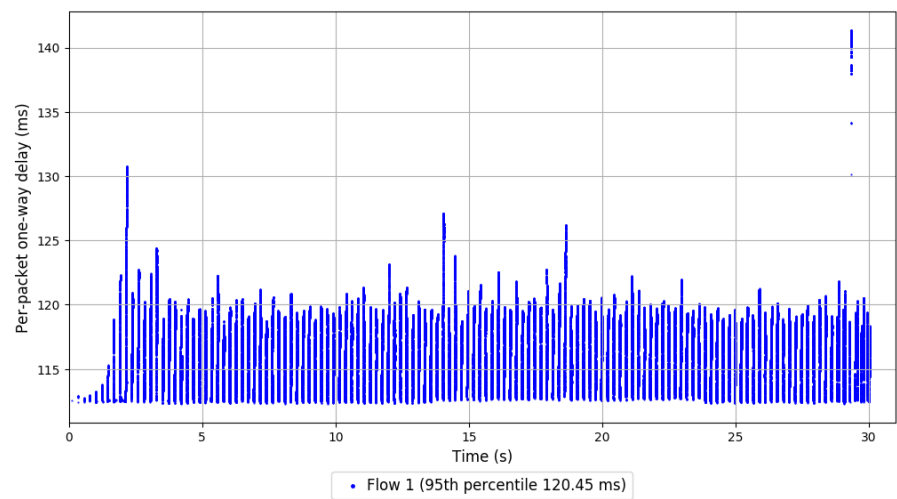
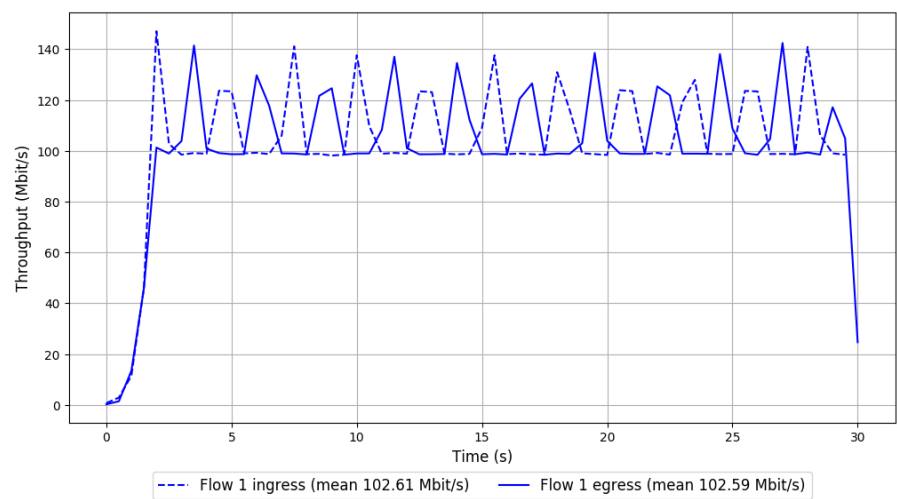
-- Flow 1:

Average throughput: 102.59 Mbit/s

95th percentile per-packet one-way delay: 120.455 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-27 10:25:42

End at: 2018-02-27 10:26:12

Below is generated by plot.py at 2018-02-27 12:47:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.57 Mbit/s

95th percentile per-packet one-way delay: 119.029 ms

Loss rate: 0.00%

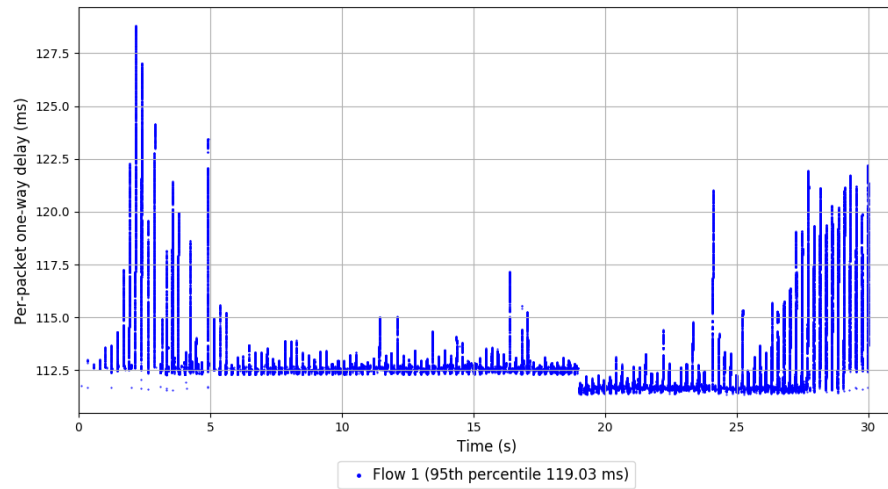
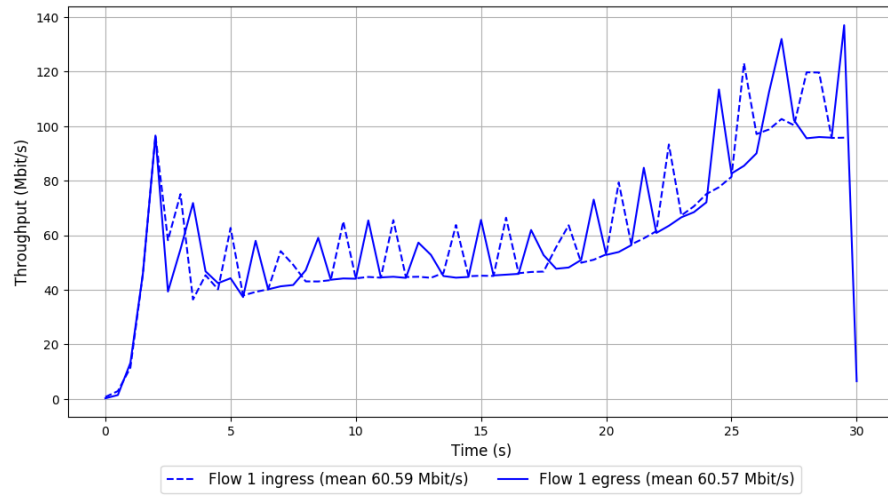
-- Flow 1:

Average throughput: 60.57 Mbit/s

95th percentile per-packet one-way delay: 119.029 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-27 10:41:10

End at: 2018-02-27 10:41:40

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.36 Mbit/s

95th percentile per-packet one-way delay: 117.200 ms

Loss rate: 0.00%

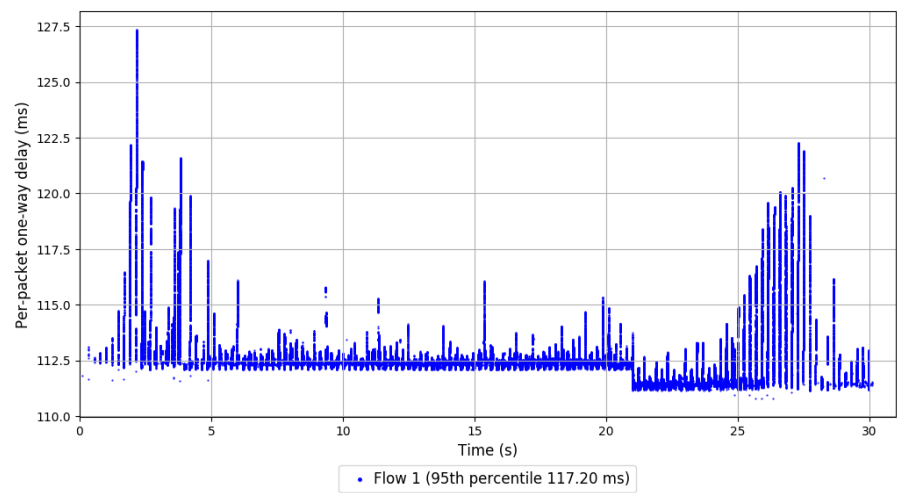
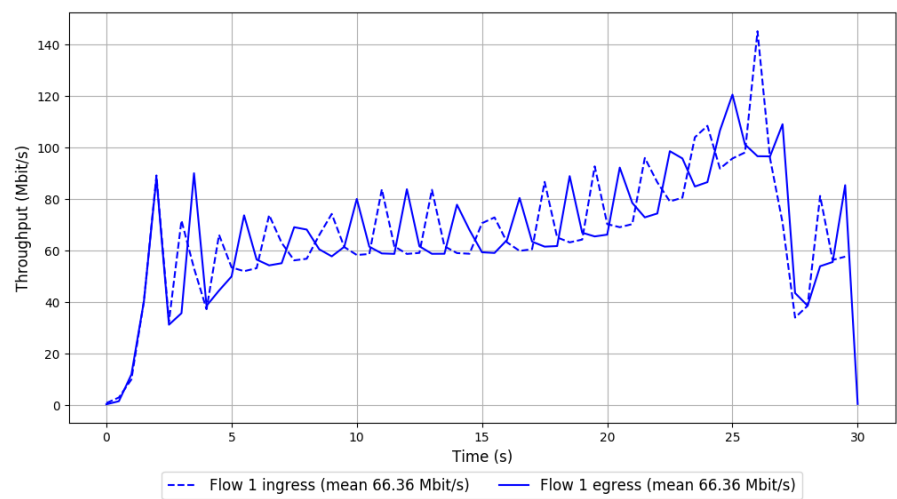
-- Flow 1:

Average throughput: 66.36 Mbit/s

95th percentile per-packet one-way delay: 117.200 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-27 10:56:32

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

Below is generated by plot.py at 2018-02-27 12:48:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 120.284 ms

Loss rate: 0.00%

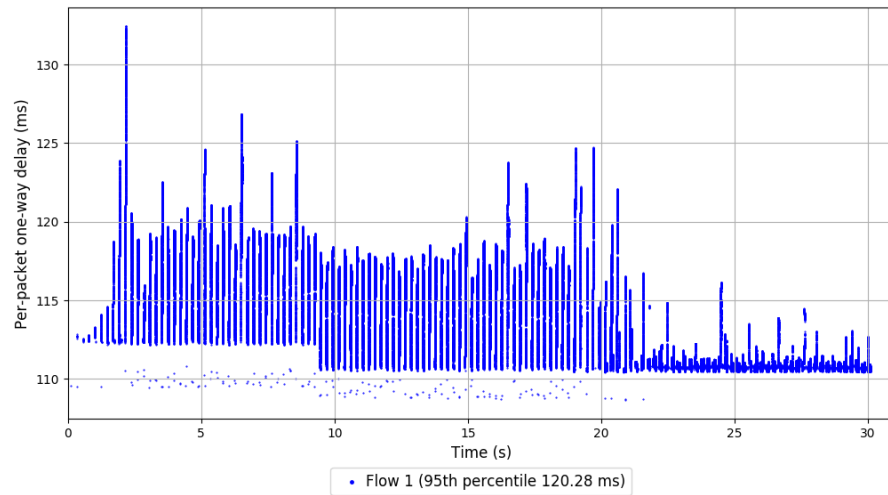
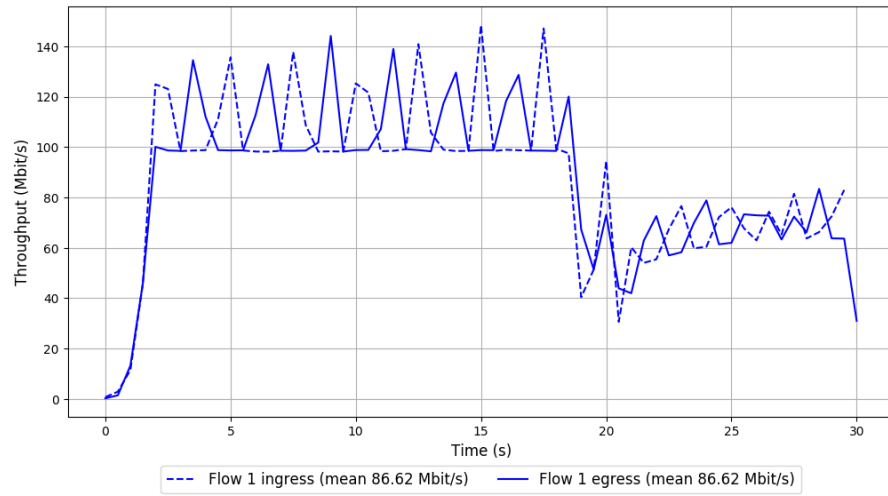
-- Flow 1:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 120.284 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-27 11:11:53

End at: 2018-02-27 11:12:23

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.73 Mbit/s

95th percentile per-packet one-way delay: 119.666 ms

Loss rate: 0.00%

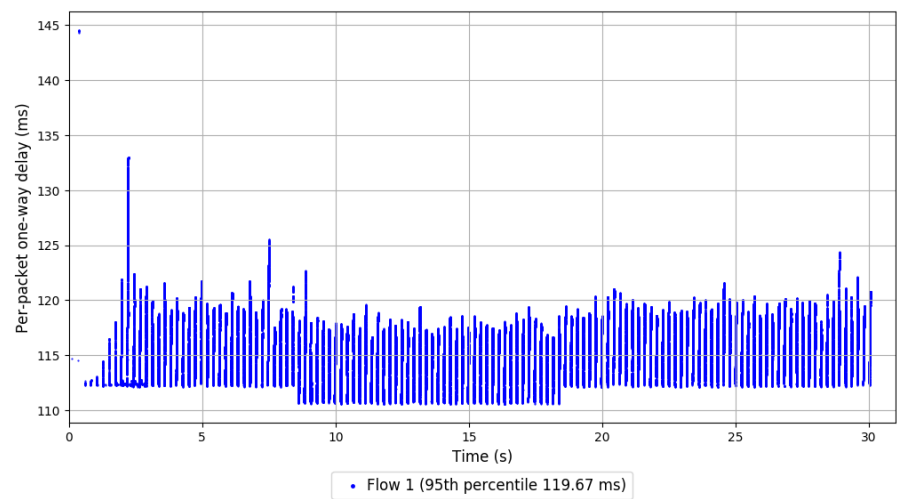
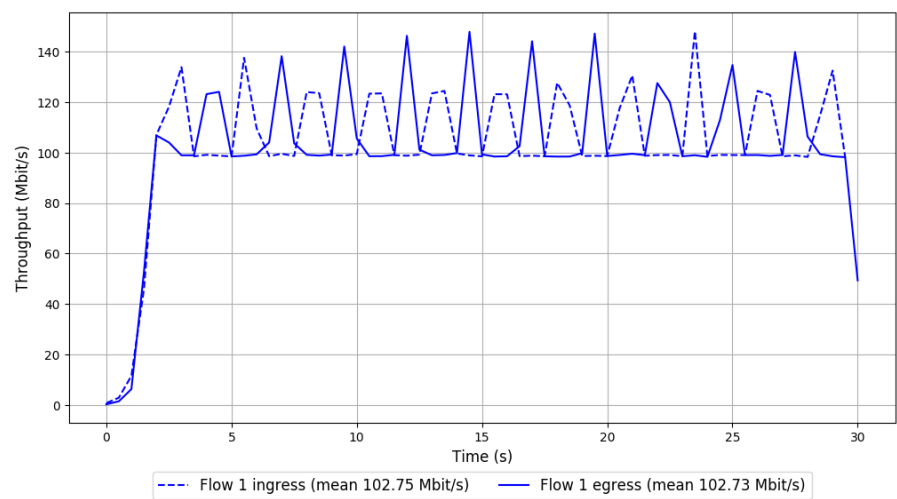
-- Flow 1:

Average throughput: 102.73 Mbit/s

95th percentile per-packet one-way delay: 119.666 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

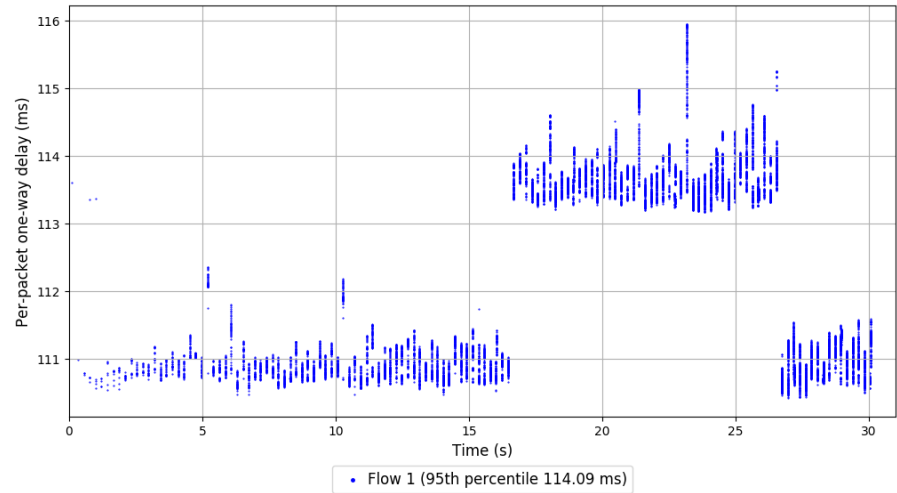
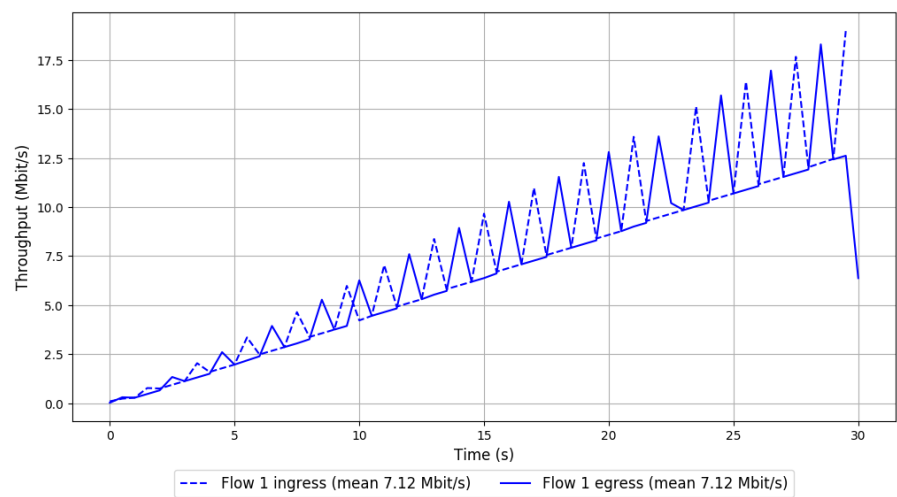


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-27 08:47:35
End at: 2018-02-27 08:48:05

# Below is generated by plot.py at 2018-02-27 12:48:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 114.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 114.094 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-02-27 09:02:45

End at: 2018-02-27 09:03:15

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.38 Mbit/s

95th percentile per-packet one-way delay: 113.538 ms

Loss rate: 0.00%

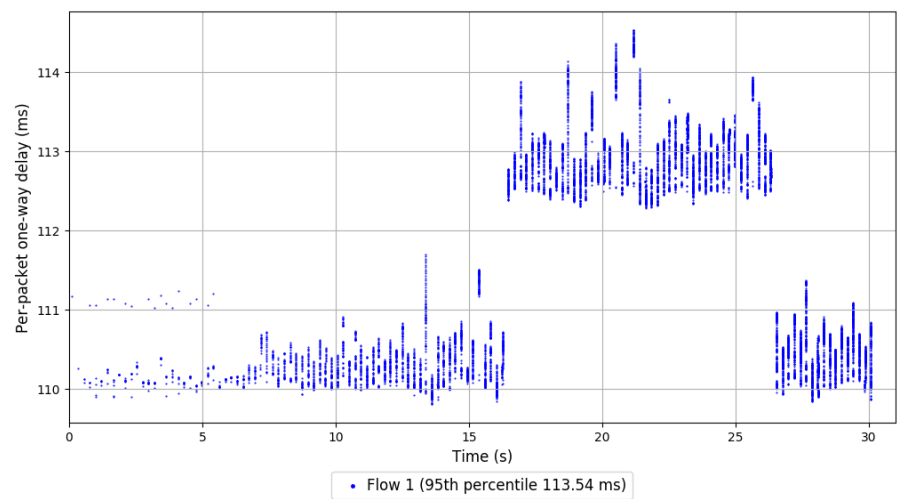
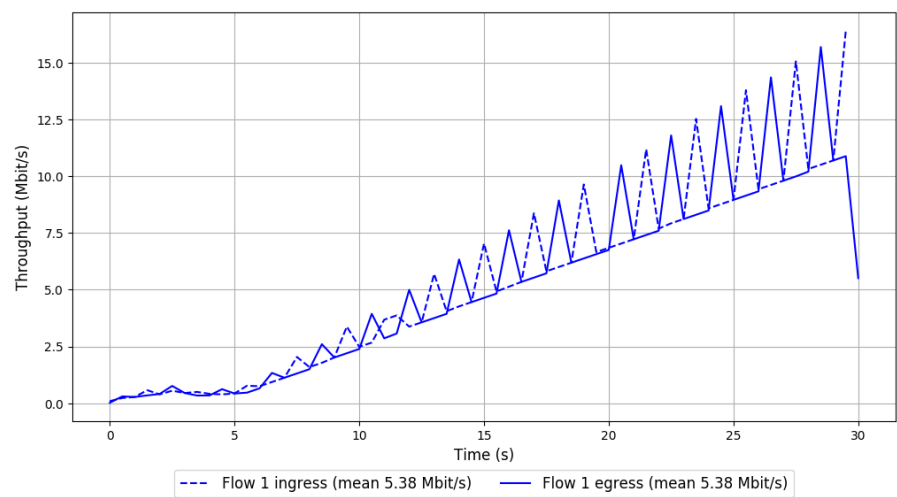
-- Flow 1:

Average throughput: 5.38 Mbit/s

95th percentile per-packet one-way delay: 113.538 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-27 09:18:29

End at: 2018-02-27 09:18:59

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 113.413 ms

Loss rate: 0.00%

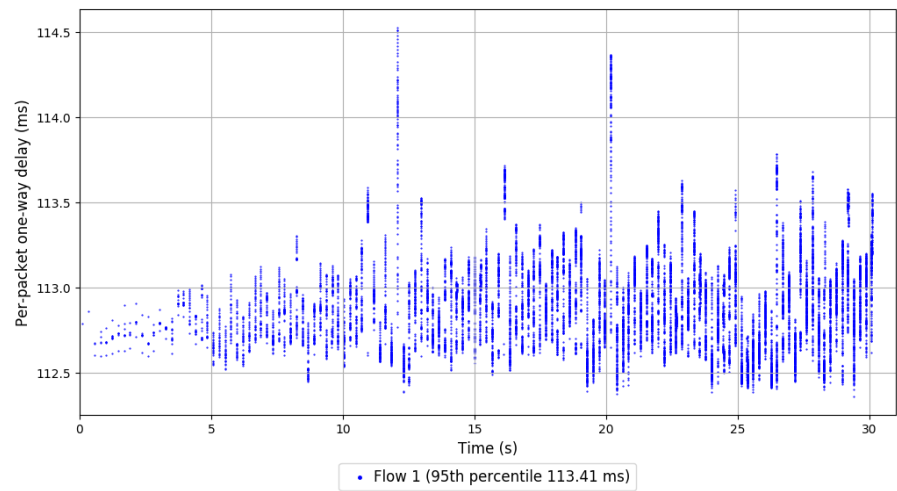
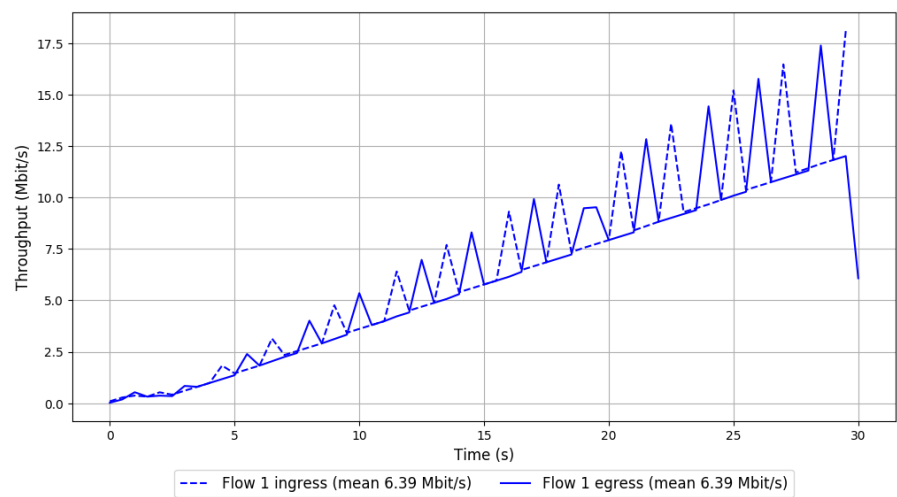
-- Flow 1:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 113.413 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-27 09:34:06

End at: 2018-02-27 09:34:36

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 113.584 ms

Loss rate: 0.00%

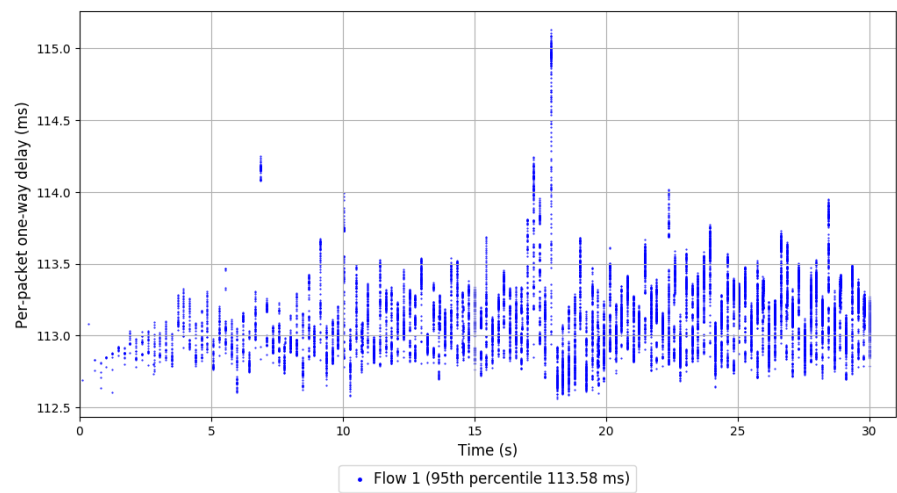
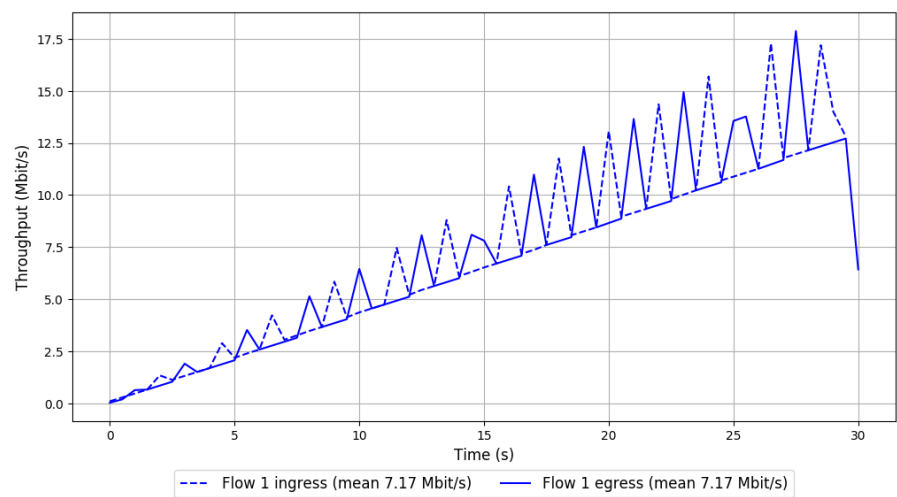
-- Flow 1:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 113.584 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-27 09:49:55

End at: 2018-02-27 09:50:25

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.21 Mbit/s

95th percentile per-packet one-way delay: 113.831 ms

Loss rate: 0.00%

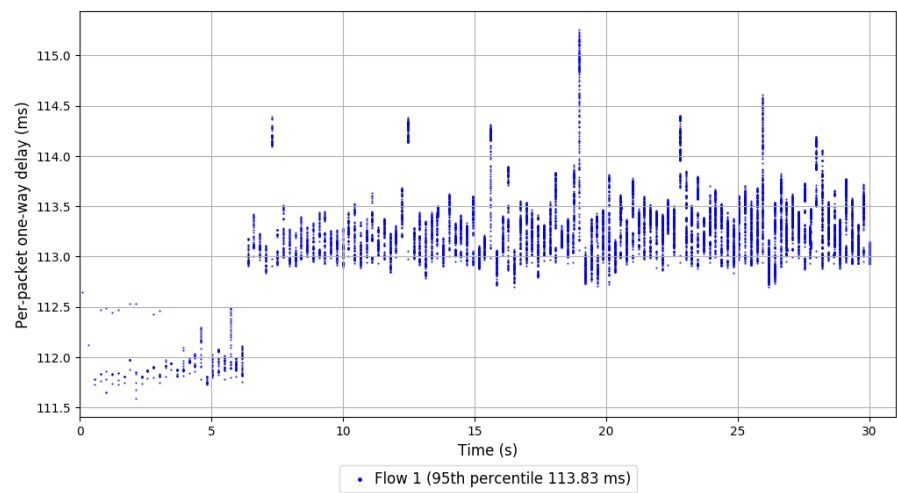
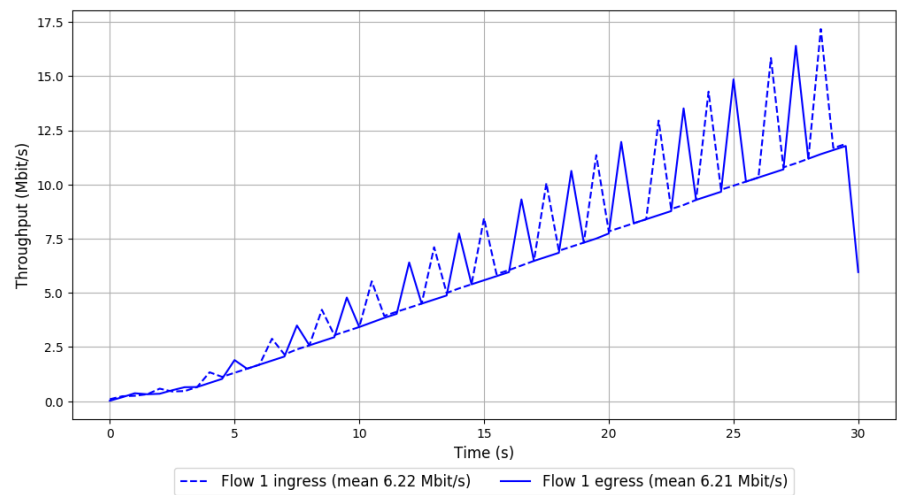
-- Flow 1:

Average throughput: 6.21 Mbit/s

95th percentile per-packet one-way delay: 113.831 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-27 10:05:50

End at: 2018-02-27 10:06:20

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 114.110 ms

Loss rate: 0.00%

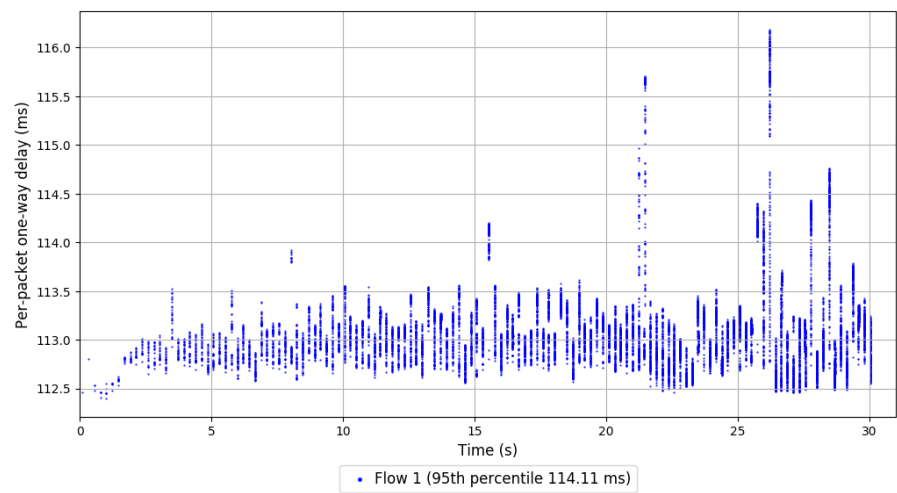
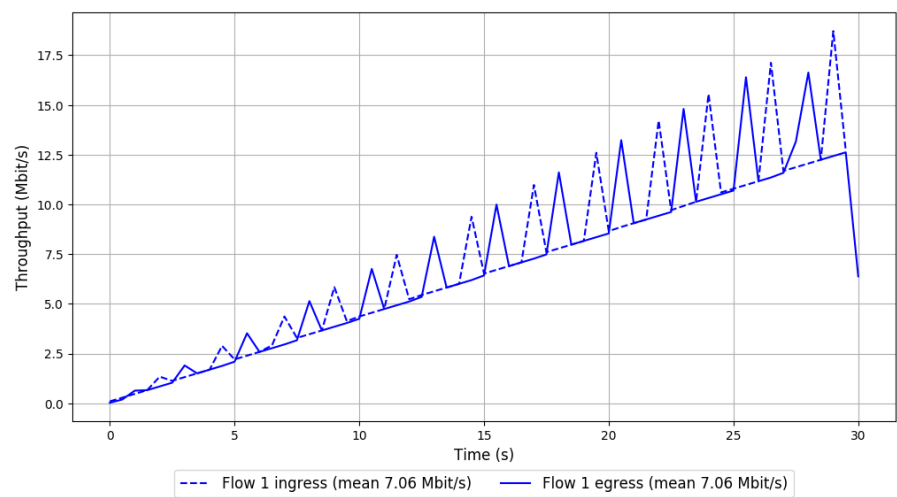
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 114.110 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-27 10:20:53

End at: 2018-02-27 10:21:23

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 113.861 ms

Loss rate: 0.00%

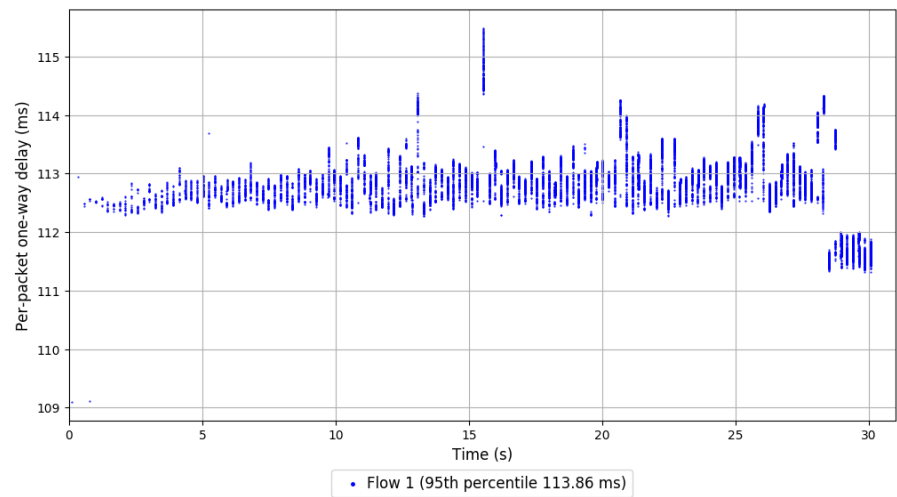
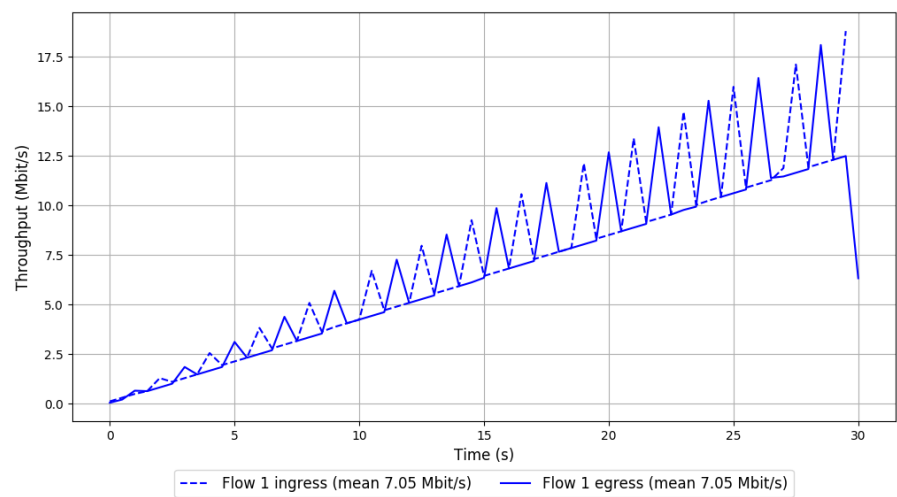
-- Flow 1:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 113.861 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-27 10:36:23

End at: 2018-02-27 10:36:53

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 112.838 ms

Loss rate: 0.00%

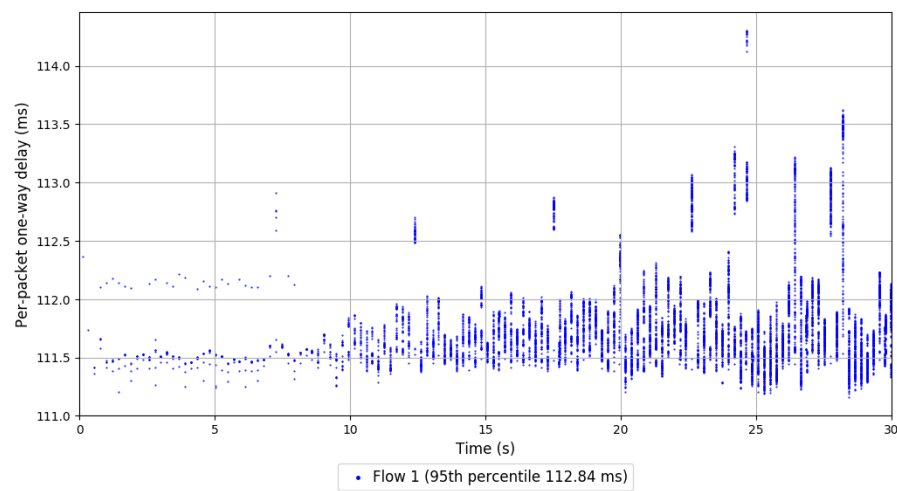
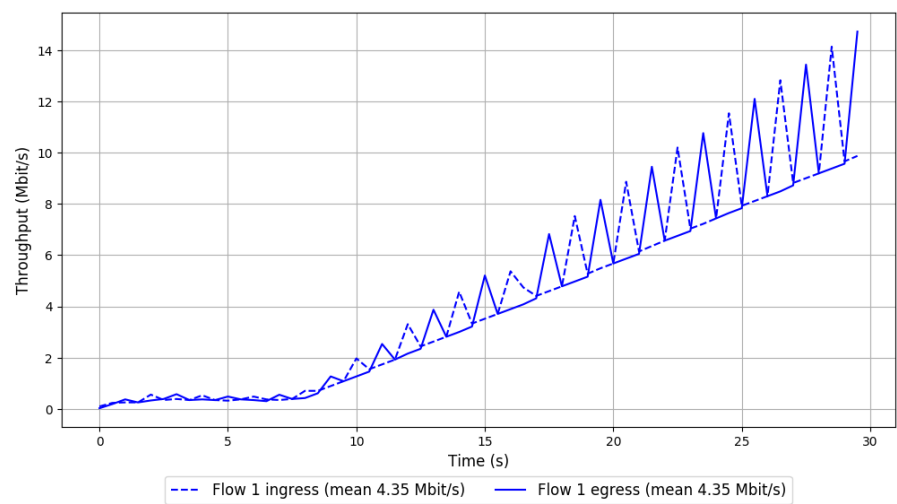
-- Flow 1:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 112.838 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-27 10:51:37

End at: 2018-02-27 10:52:07

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 113.156 ms

Loss rate: 0.00%

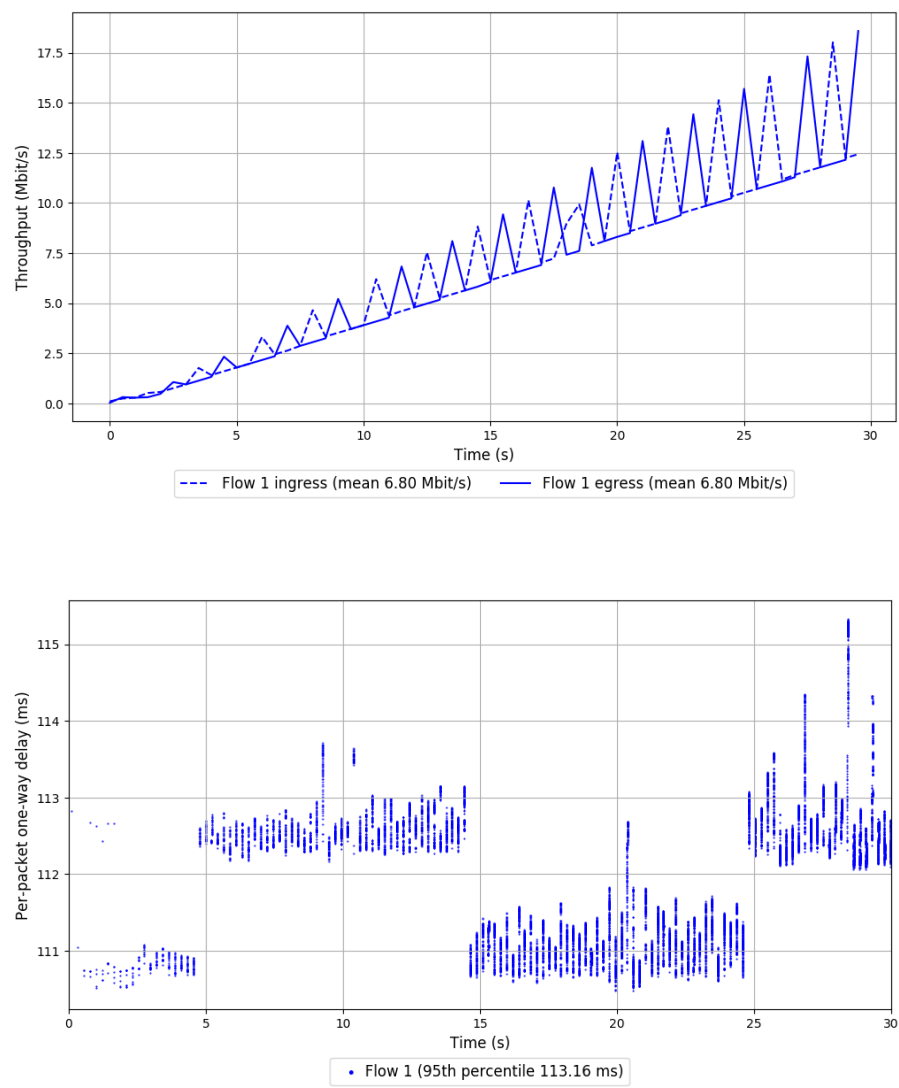
-- Flow 1:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 113.156 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

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

End at: 2018-02-27 11:07:36

Below is generated by plot.py at 2018-02-27 12:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.31 Mbit/s

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

Loss rate: 0.00%

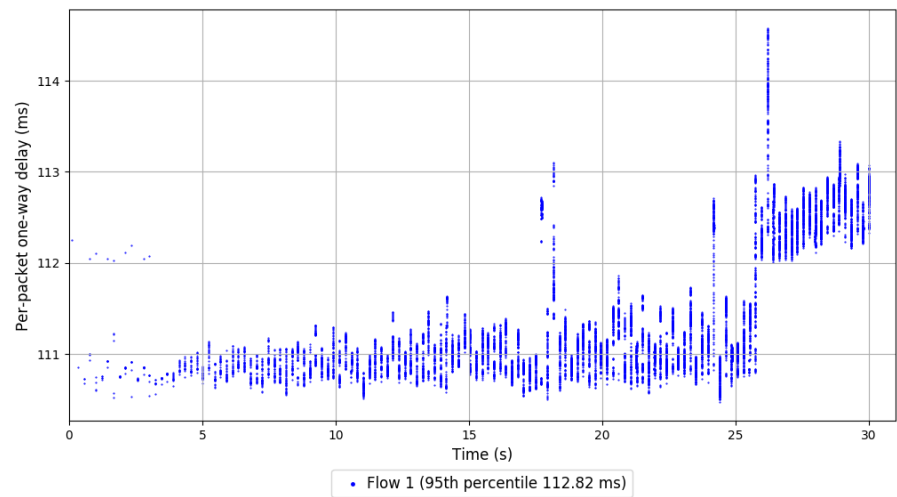
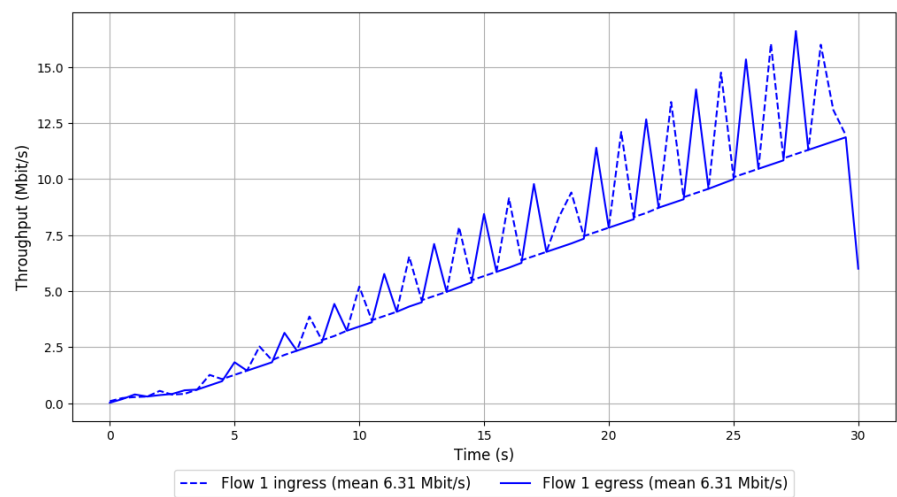
-- Flow 1:

Average throughput: 6.31 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

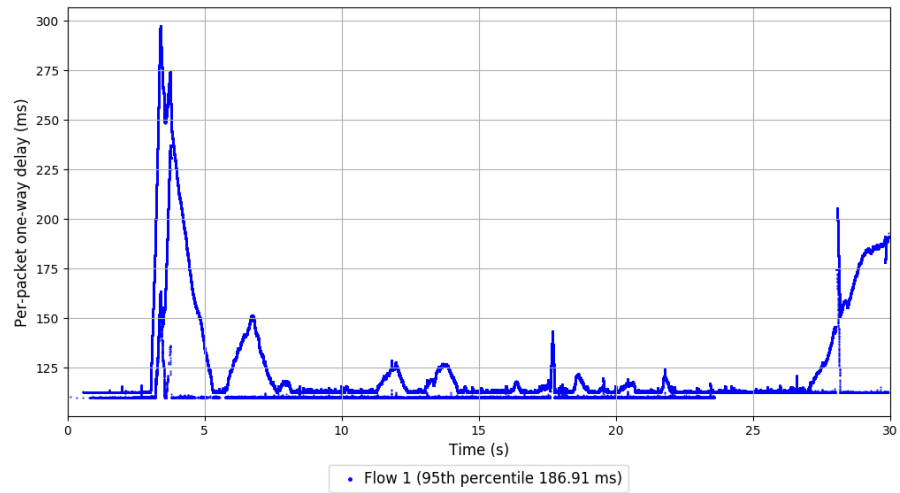
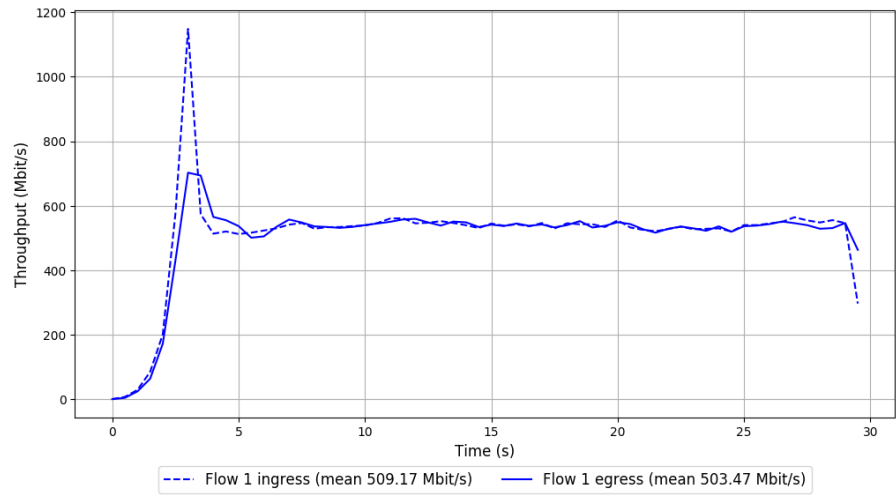


```
Run 1: Statistics of PCC

Start at: 2018-02-27 08:53:08
End at: 2018-02-27 08:53:38

# Below is generated by plot.py at 2018-02-27 12:55:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 503.47 Mbit/s
95th percentile per-packet one-way delay: 186.912 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 503.47 Mbit/s
95th percentile per-packet one-way delay: 186.912 ms
Loss rate: 1.11%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-27 09:08:18

End at: 2018-02-27 09:08:48

Below is generated by plot.py at 2018-02-27 12:55:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 480.41 Mbit/s

95th percentile per-packet one-way delay: 246.572 ms

Loss rate: 1.11%

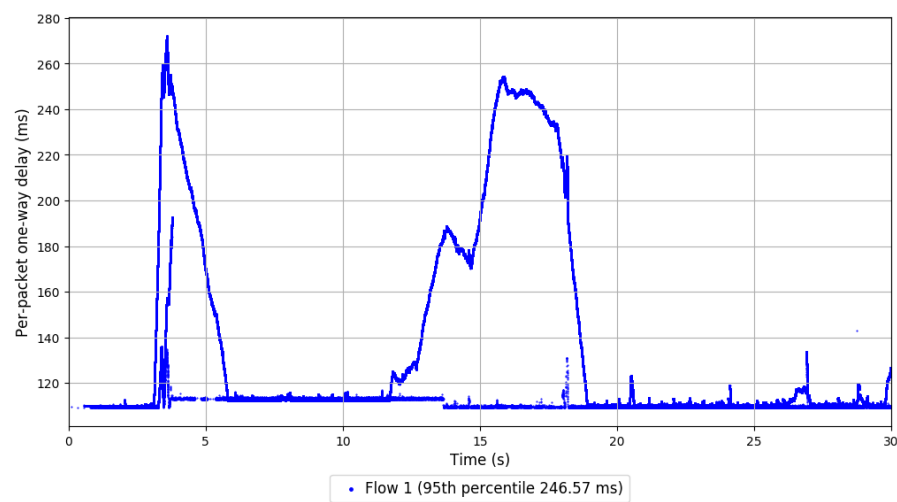
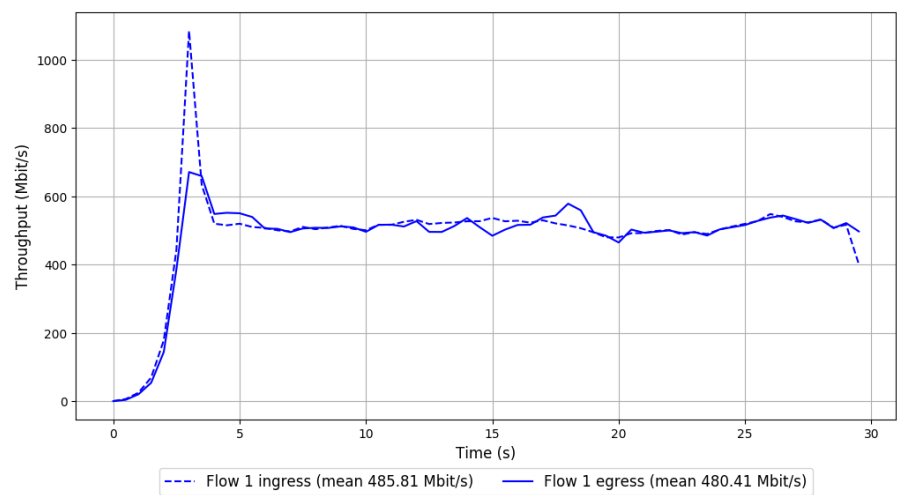
-- Flow 1:

Average throughput: 480.41 Mbit/s

95th percentile per-packet one-way delay: 246.572 ms

Loss rate: 1.11%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-27 09:24:13

End at: 2018-02-27 09:24:43

Below is generated by plot.py at 2018-02-27 12:55:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.54 Mbit/s

95th percentile per-packet one-way delay: 242.830 ms

Loss rate: 1.23%

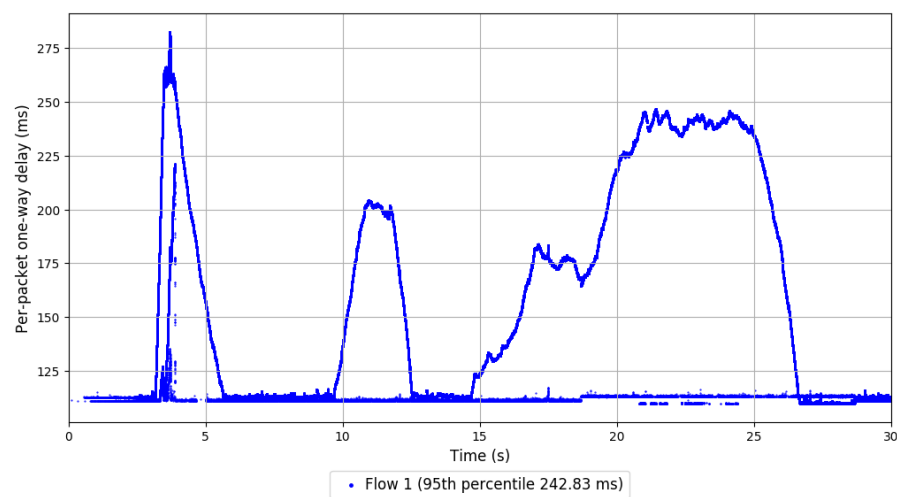
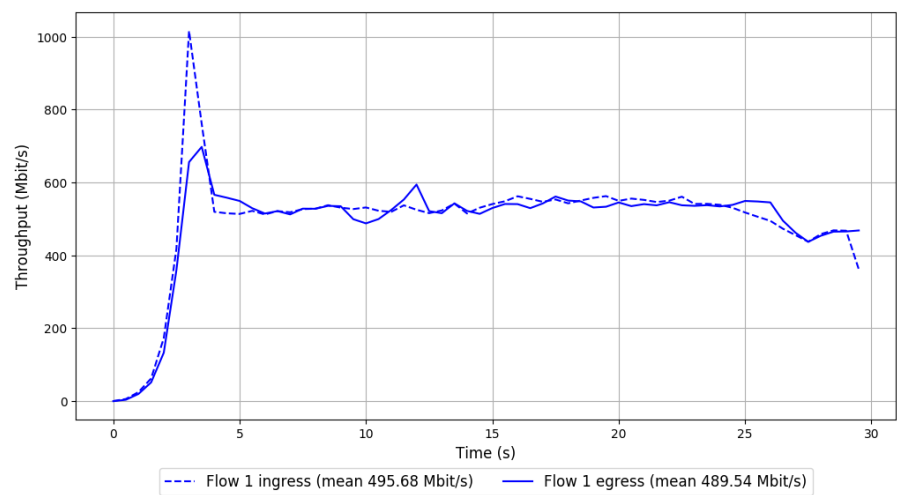
-- Flow 1:

Average throughput: 489.54 Mbit/s

95th percentile per-packet one-way delay: 242.830 ms

Loss rate: 1.23%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-27 09:40:03

End at: 2018-02-27 09:40:33

Below is generated by plot.py at 2018-02-27 12:55:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 466.34 Mbit/s

95th percentile per-packet one-way delay: 256.102 ms

Loss rate: 1.92%

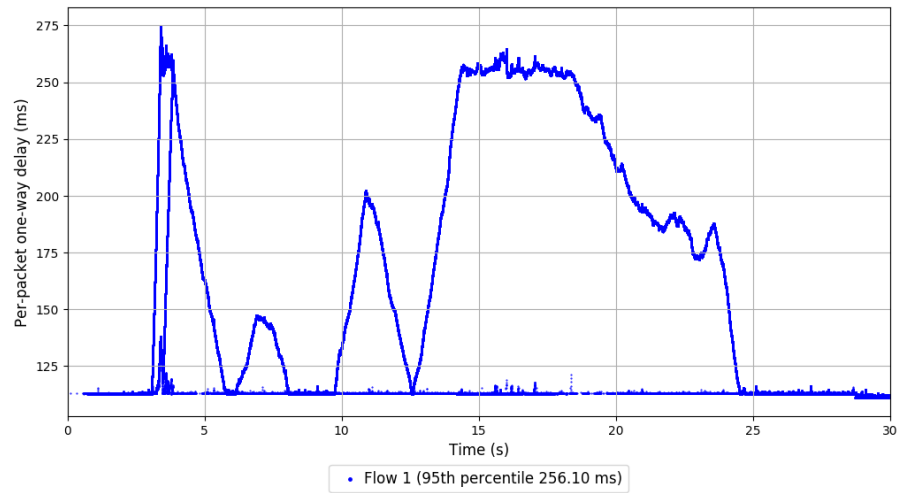
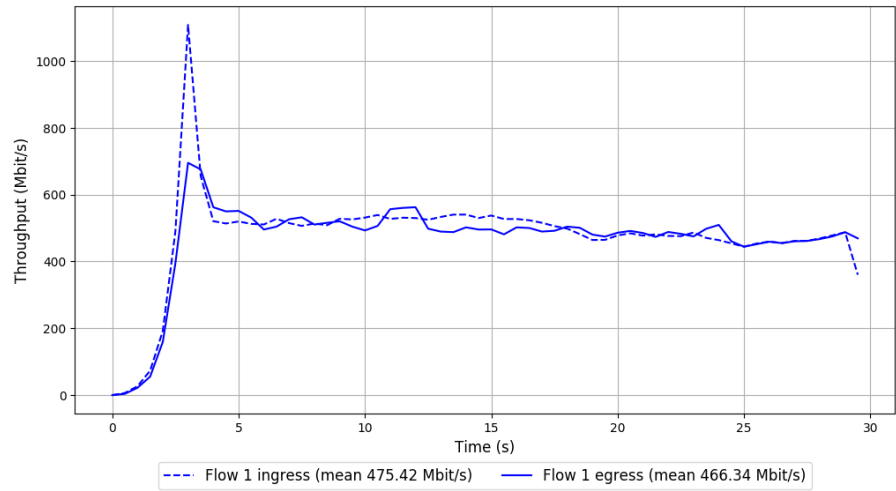
-- Flow 1:

Average throughput: 466.34 Mbit/s

95th percentile per-packet one-way delay: 256.102 ms

Loss rate: 1.92%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-27 09:55:52

End at: 2018-02-27 09:56:22

Below is generated by plot.py at 2018-02-27 12:56:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.48 Mbit/s

95th percentile per-packet one-way delay: 186.662 ms

Loss rate: 1.15%

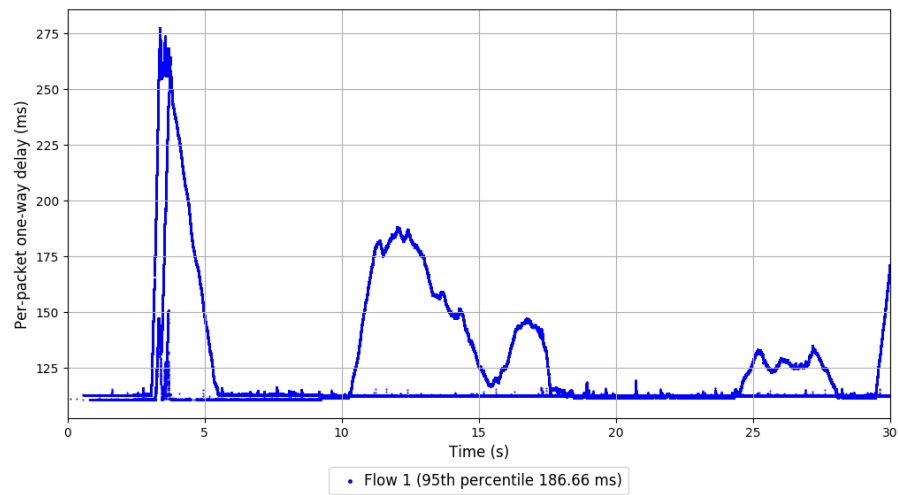
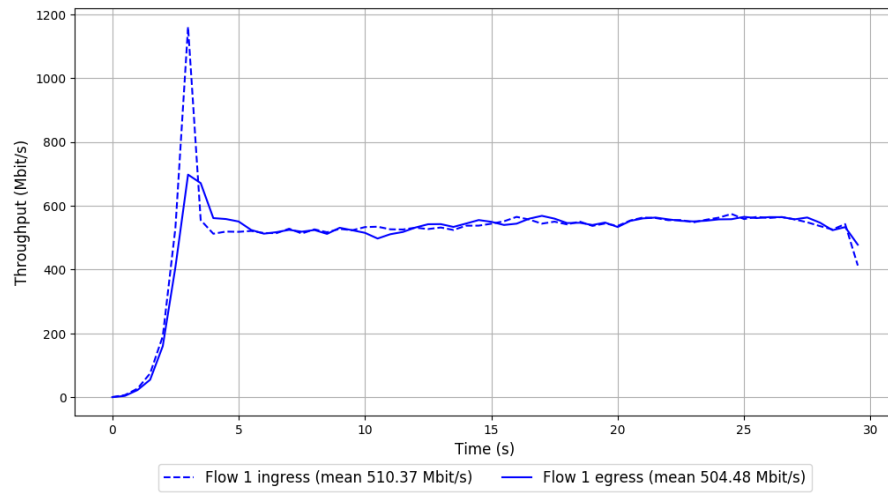
-- Flow 1:

Average throughput: 504.48 Mbit/s

95th percentile per-packet one-way delay: 186.662 ms

Loss rate: 1.15%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-27 10:11:24

End at: 2018-02-27 10:11:54

Below is generated by plot.py at 2018-02-27 12:56:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.28 Mbit/s

95th percentile per-packet one-way delay: 262.182 ms

Loss rate: 3.42%

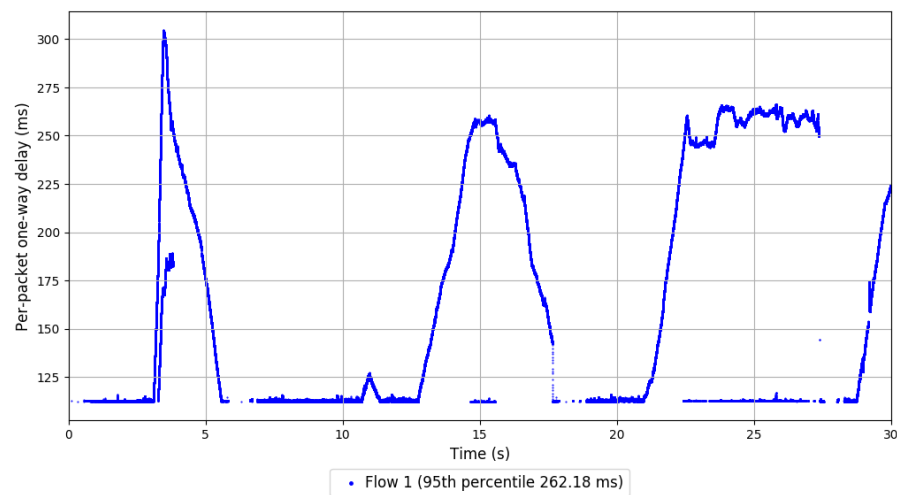
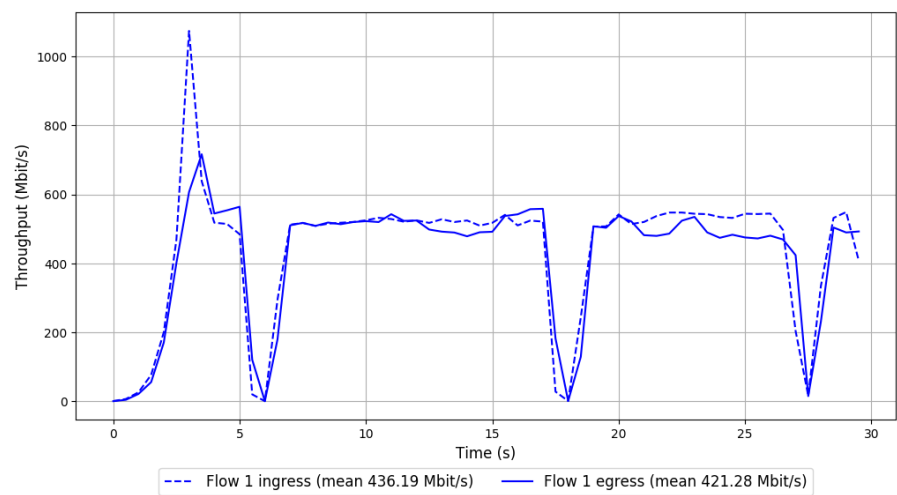
-- Flow 1:

Average throughput: 421.28 Mbit/s

95th percentile per-packet one-way delay: 262.182 ms

Loss rate: 3.42%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-27 10:26:27

End at: 2018-02-27 10:26:57

Below is generated by plot.py at 2018-02-27 12:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 491.96 Mbit/s

95th percentile per-packet one-way delay: 202.634 ms

Loss rate: 1.09%

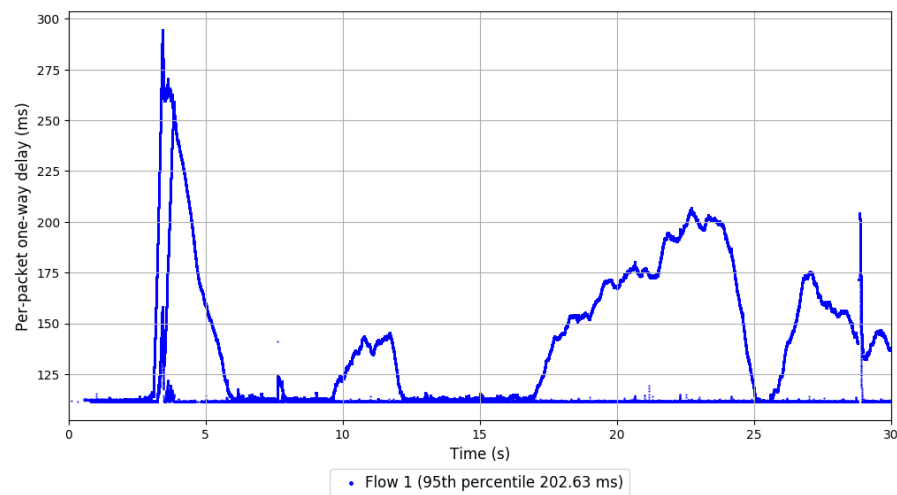
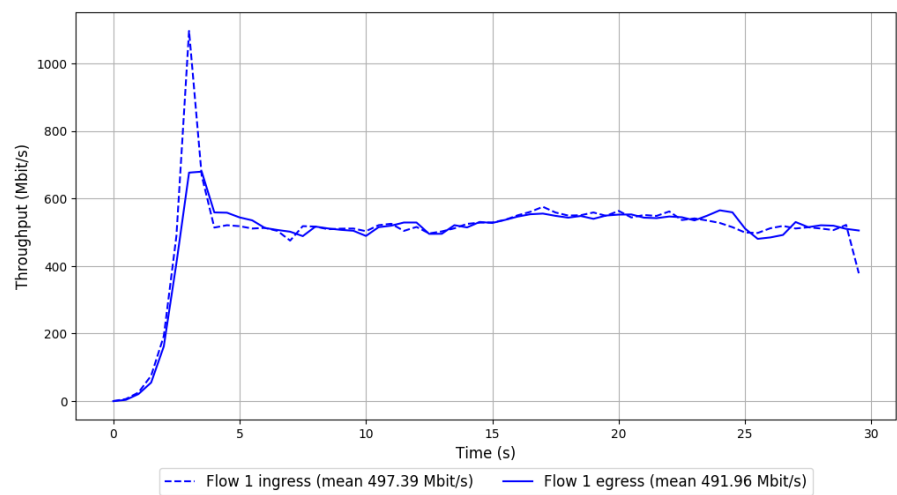
-- Flow 1:

Average throughput: 491.96 Mbit/s

95th percentile per-packet one-way delay: 202.634 ms

Loss rate: 1.09%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-27 10:41:55

End at: 2018-02-27 10:42:25

Below is generated by plot.py at 2018-02-27 12:56:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.09 Mbit/s

95th percentile per-packet one-way delay: 189.503 ms

Loss rate: 0.95%

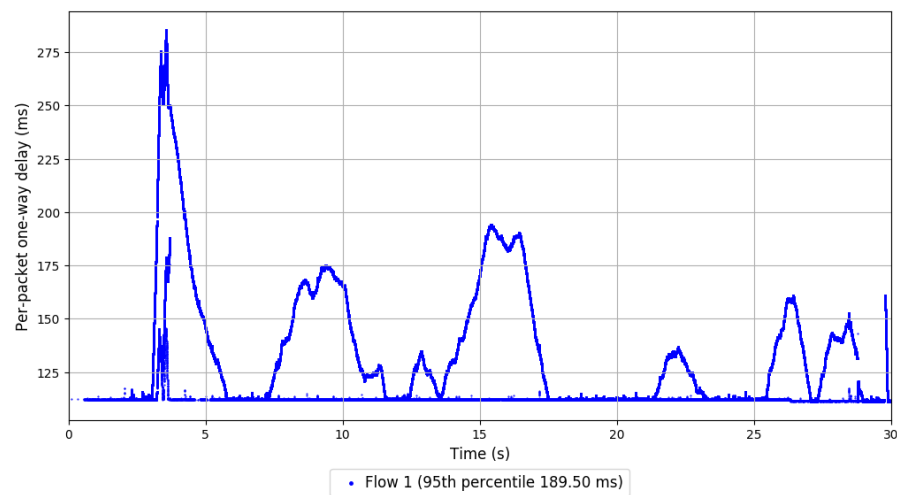
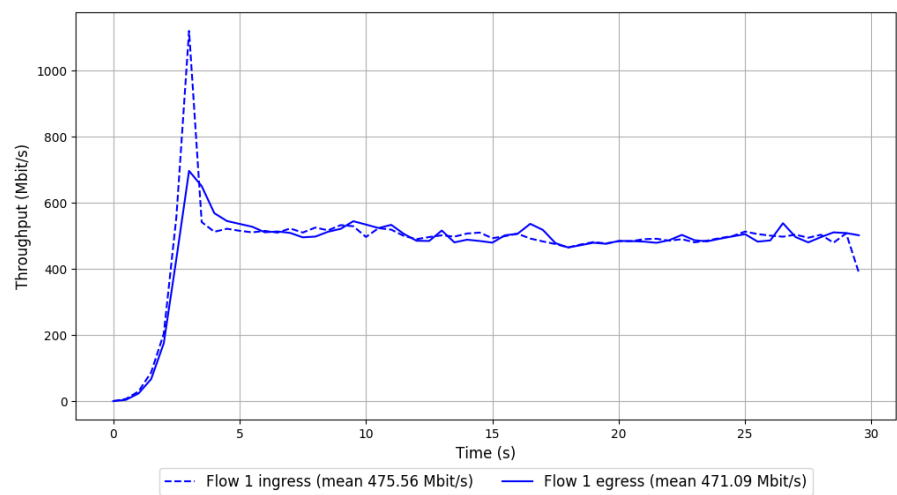
-- Flow 1:

Average throughput: 471.09 Mbit/s

95th percentile per-packet one-way delay: 189.503 ms

Loss rate: 0.95%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-27 10:57:18

End at: 2018-02-27 10:57:48

Below is generated by plot.py at 2018-02-27 13:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.05 Mbit/s

95th percentile per-packet one-way delay: 168.225 ms

Loss rate: 0.97%

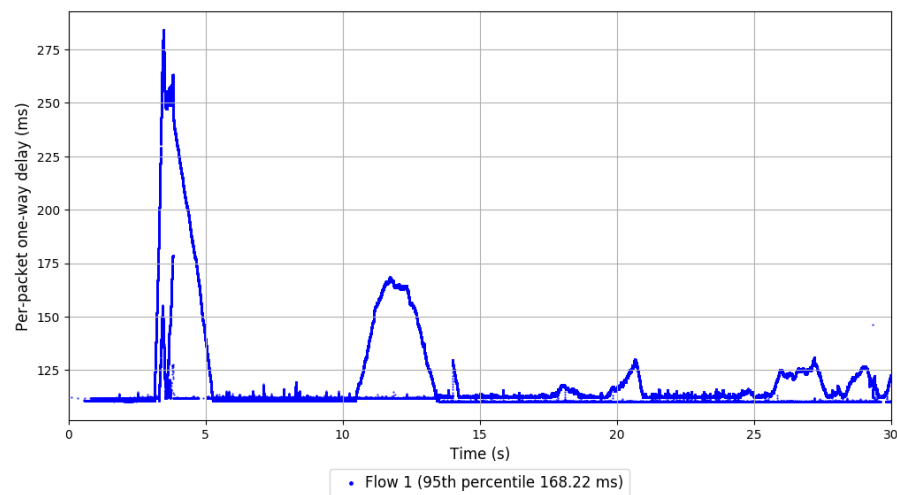
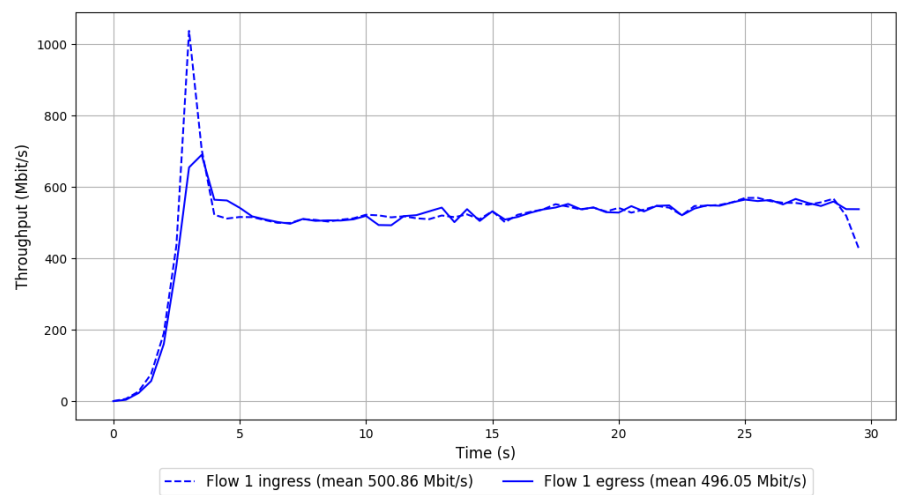
-- Flow 1:

Average throughput: 496.05 Mbit/s

95th percentile per-packet one-way delay: 168.225 ms

Loss rate: 0.97%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-27 11:12:39

End at: 2018-02-27 11:13:09

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.73 Mbit/s

95th percentile per-packet one-way delay: 240.937 ms

Loss rate: 2.12%

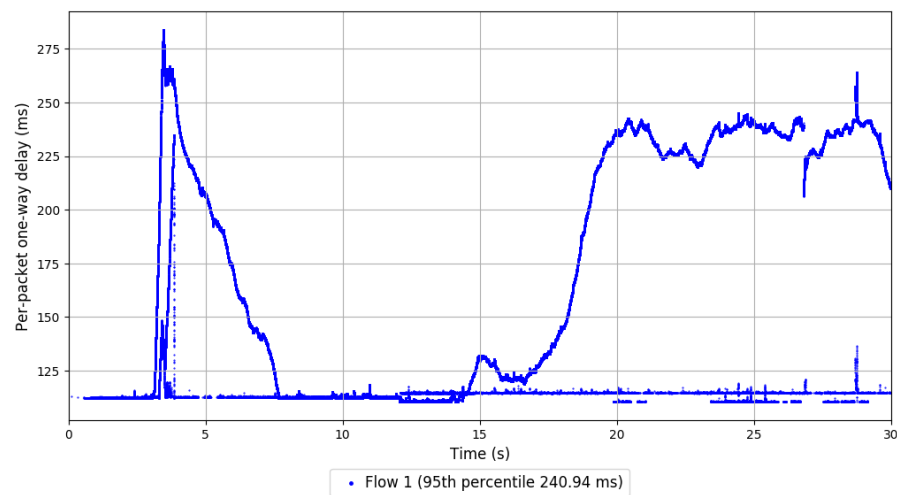
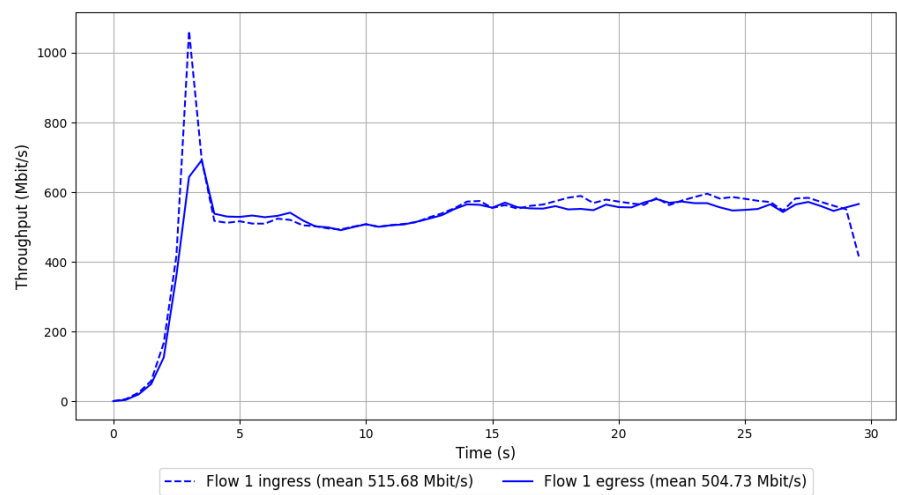
-- Flow 1:

Average throughput: 504.73 Mbit/s

95th percentile per-packet one-way delay: 240.937 ms

Loss rate: 2.12%

Run 10: Report of PCC — Data Link

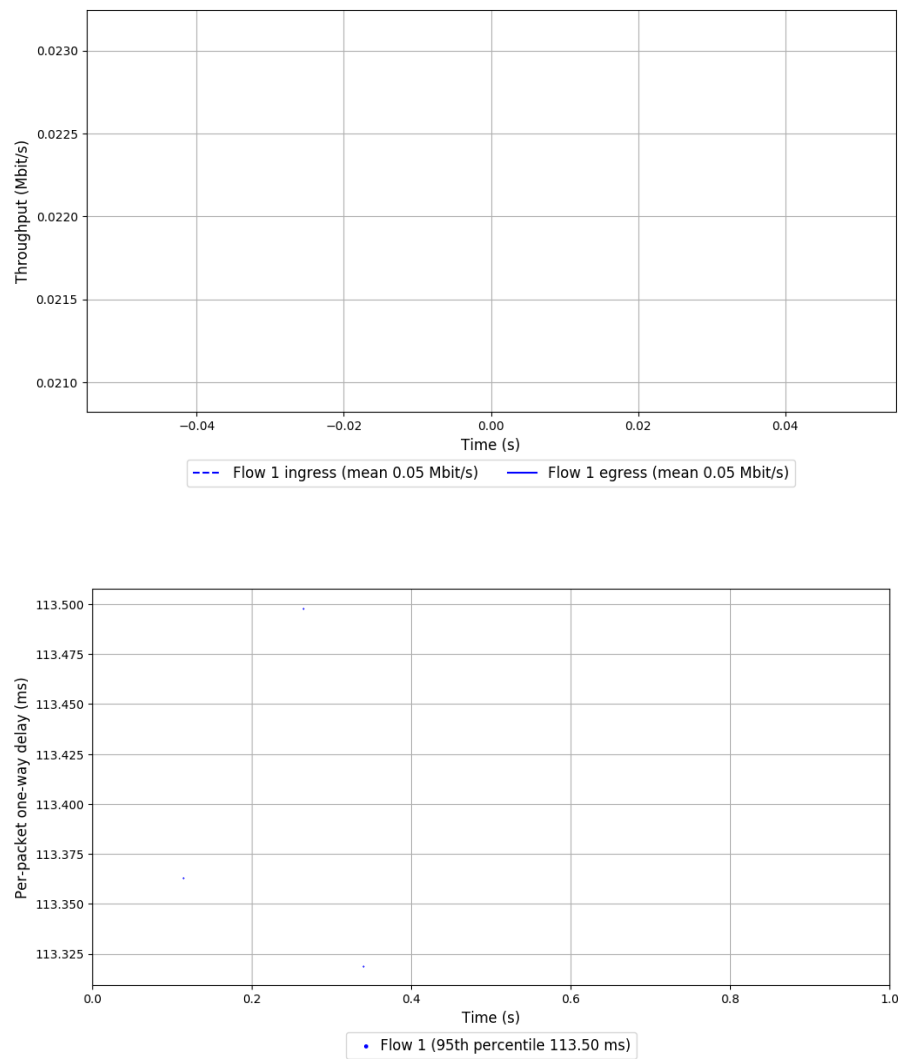


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-27 08:48:16

End at: 2018-02-27 08:48:46

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-27 09:03:26

End at: 2018-02-27 09:03:56

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.99 Mbit/s

95th percentile per-packet one-way delay: 113.778 ms

Loss rate: 0.02%

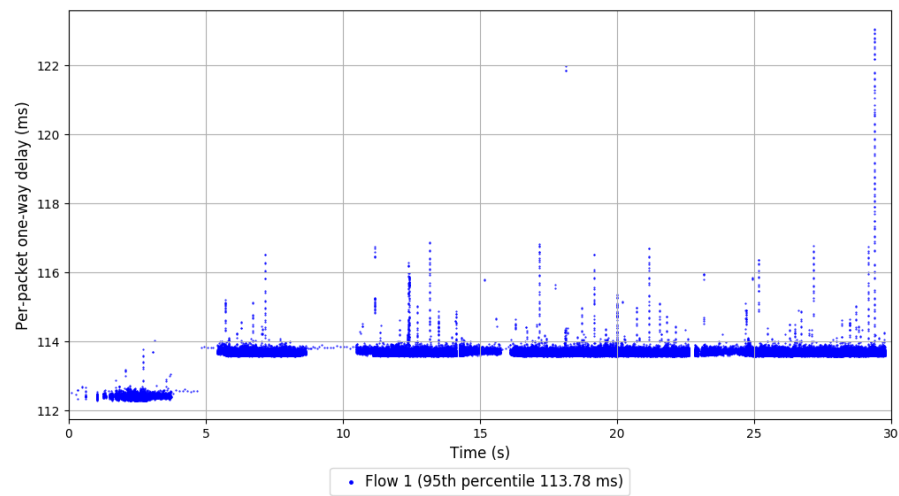
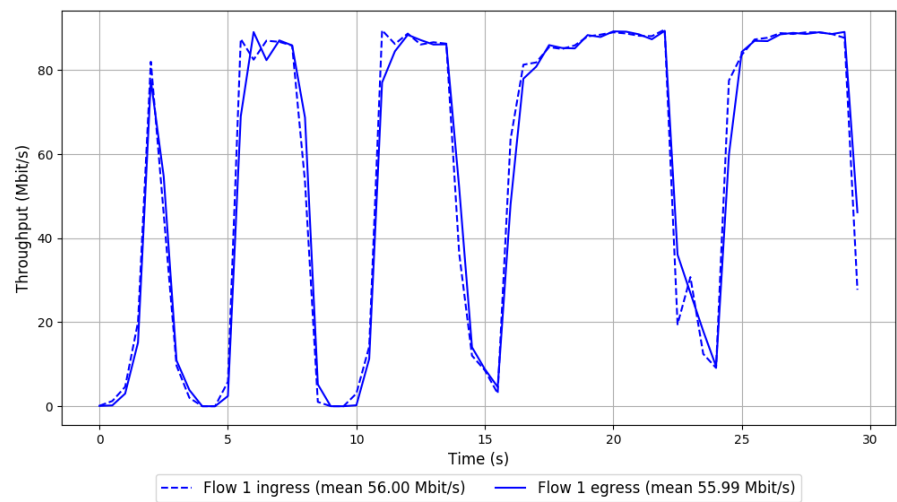
-- Flow 1:

Average throughput: 55.99 Mbit/s

95th percentile per-packet one-way delay: 113.778 ms

Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-27 09:19:10

End at: 2018-02-27 09:19:40

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.89 Mbit/s

95th percentile per-packet one-way delay: 111.113 ms

Loss rate: 0.00%

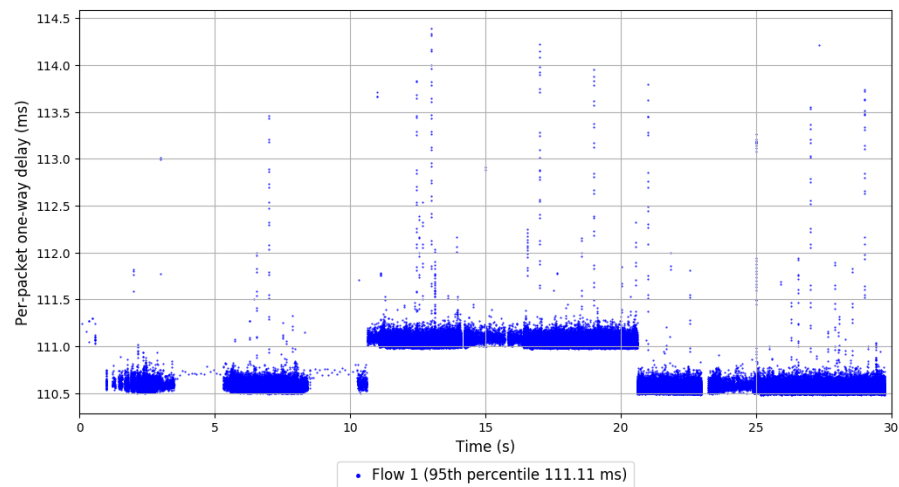
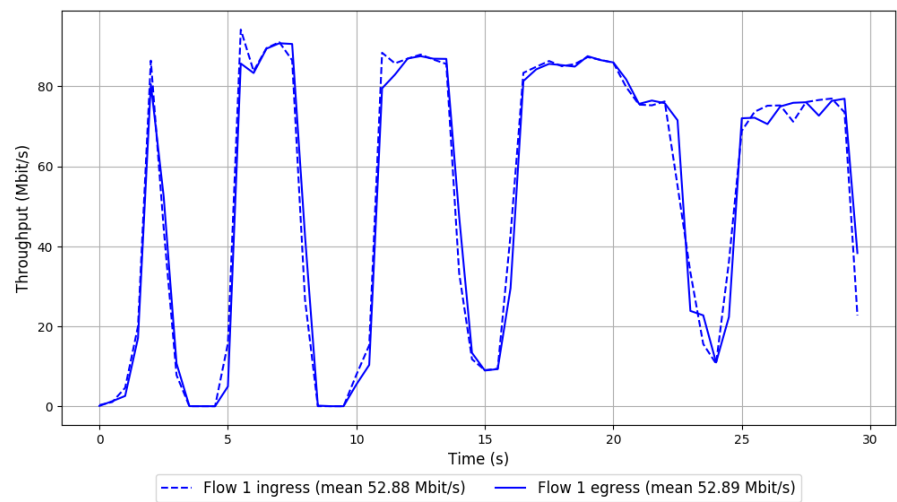
-- Flow 1:

Average throughput: 52.89 Mbit/s

95th percentile per-packet one-way delay: 111.113 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-27 09:34:48

End at: 2018-02-27 09:35:18

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.58 Mbit/s

95th percentile per-packet one-way delay: 112.934 ms

Loss rate: 0.00%

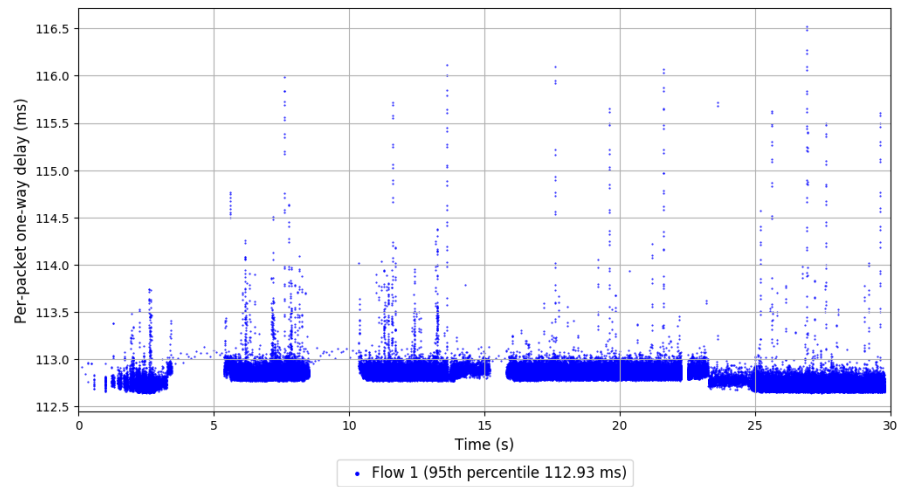
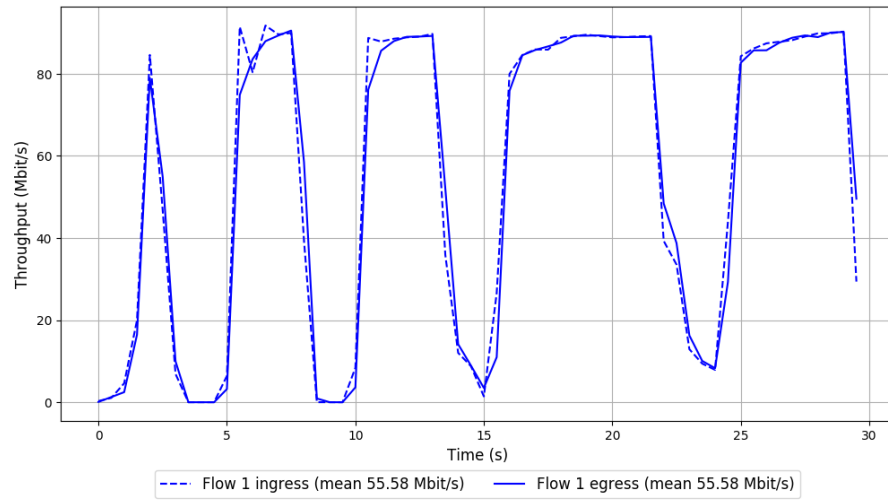
-- Flow 1:

Average throughput: 55.58 Mbit/s

95th percentile per-packet one-way delay: 112.934 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-27 09:50:36

End at: 2018-02-27 09:51:07

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.93 Mbit/s

95th percentile per-packet one-way delay: 111.971 ms

Loss rate: 0.00%

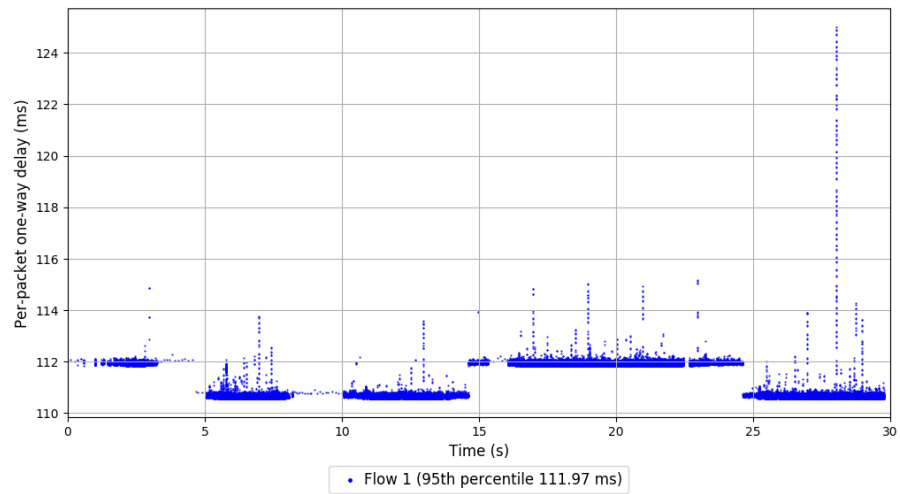
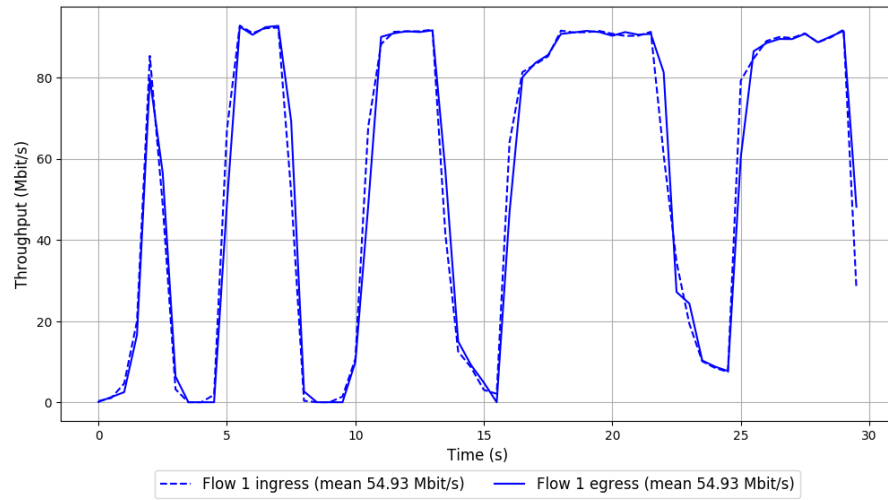
-- Flow 1:

Average throughput: 54.93 Mbit/s

95th percentile per-packet one-way delay: 111.971 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-27 10:06:31

End at: 2018-02-27 10:07:01

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.04 Mbit/s

95th percentile per-packet one-way delay: 112.240 ms

Loss rate: 0.01%

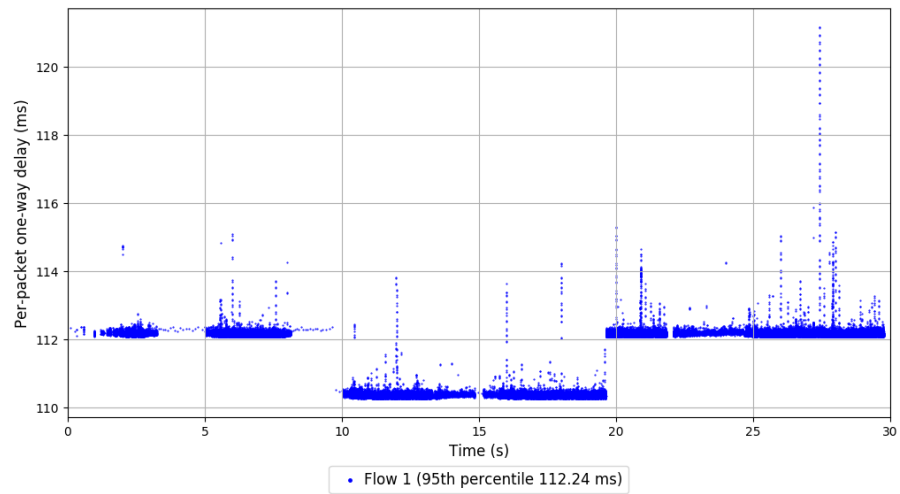
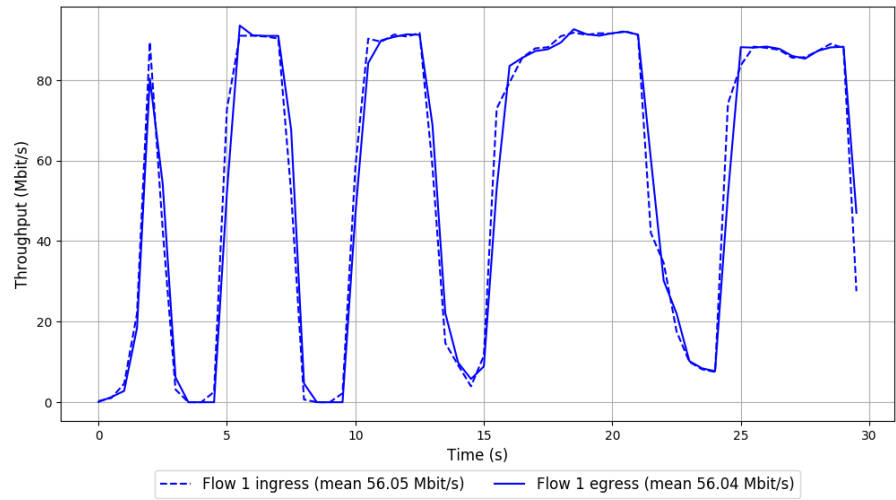
-- Flow 1:

Average throughput: 56.04 Mbit/s

95th percentile per-packet one-way delay: 112.240 ms

Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-27 10:21:35

End at: 2018-02-27 10:22:05

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.46 Mbit/s

95th percentile per-packet one-way delay: 112.357 ms

Loss rate: 0.01%

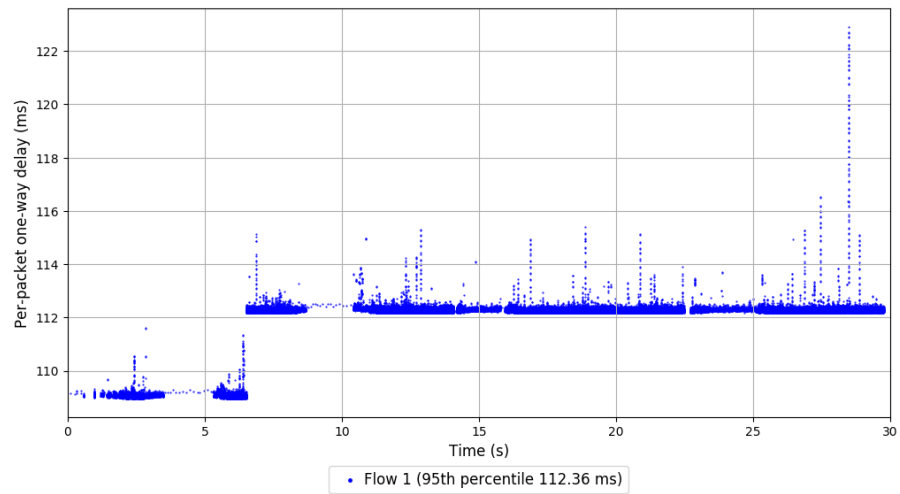
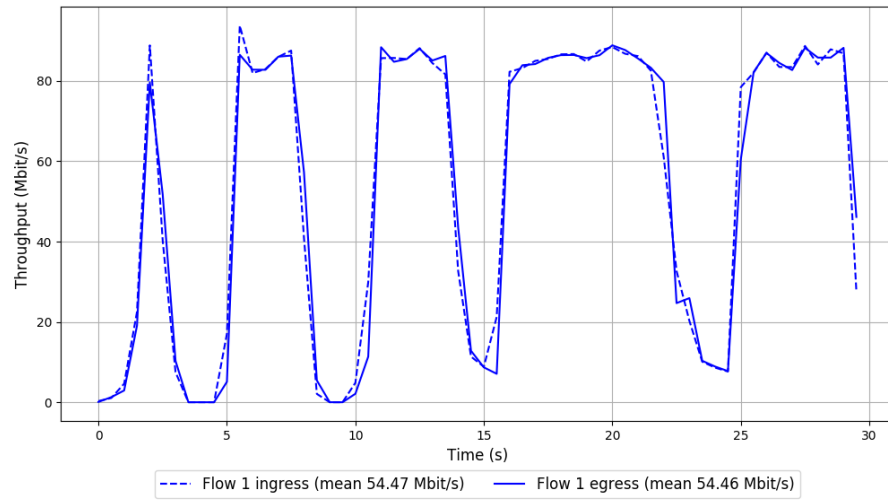
-- Flow 1:

Average throughput: 54.46 Mbit/s

95th percentile per-packet one-way delay: 112.357 ms

Loss rate: 0.01%

Run 7: Report of QUIC Cubic — Data Link

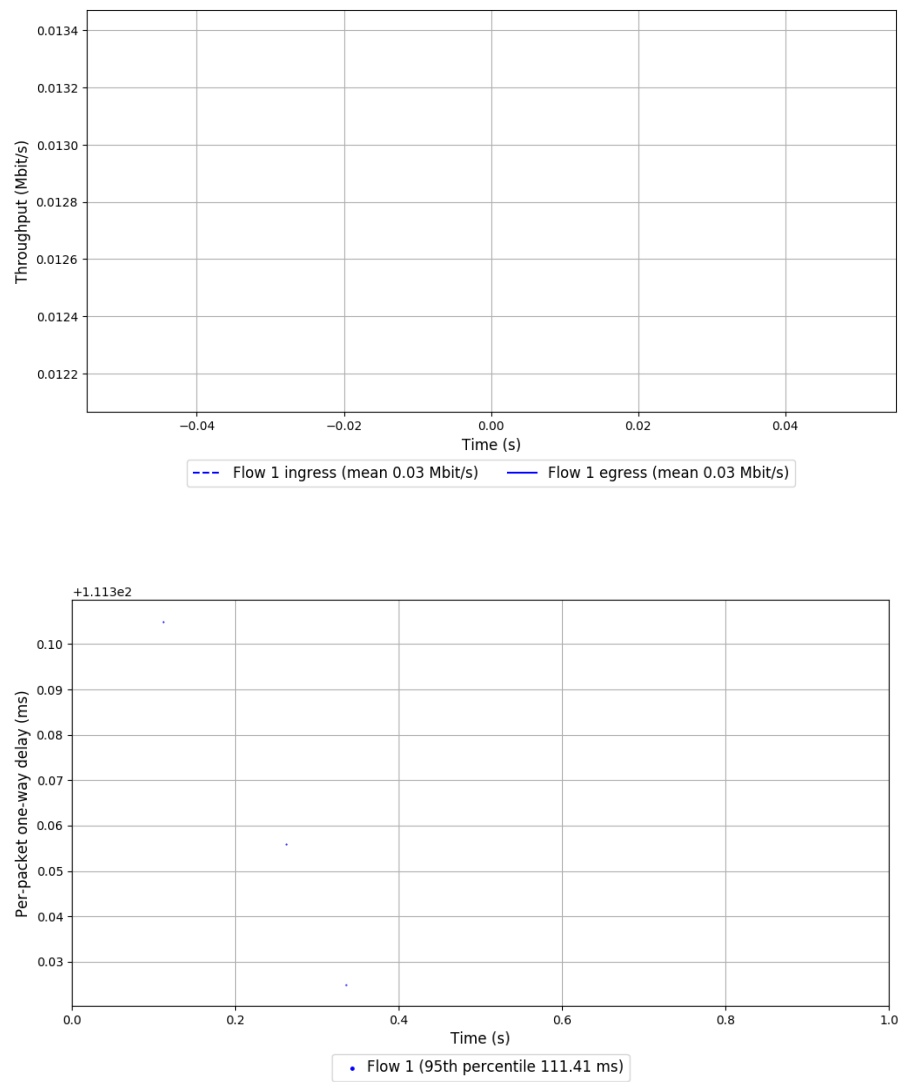


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-27 10:37:04

End at: 2018-02-27 10:37:34

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-27 10:52:18

End at: 2018-02-27 10:52:48

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 112.439 ms

Loss rate: 0.01%

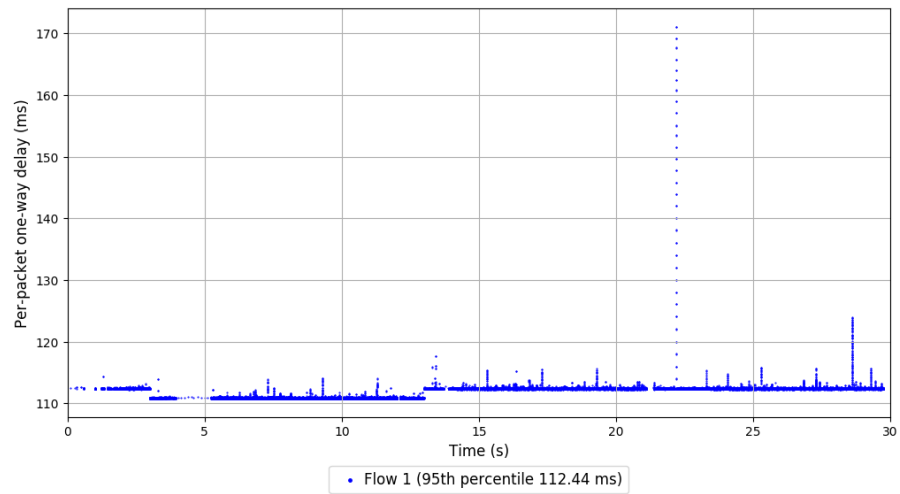
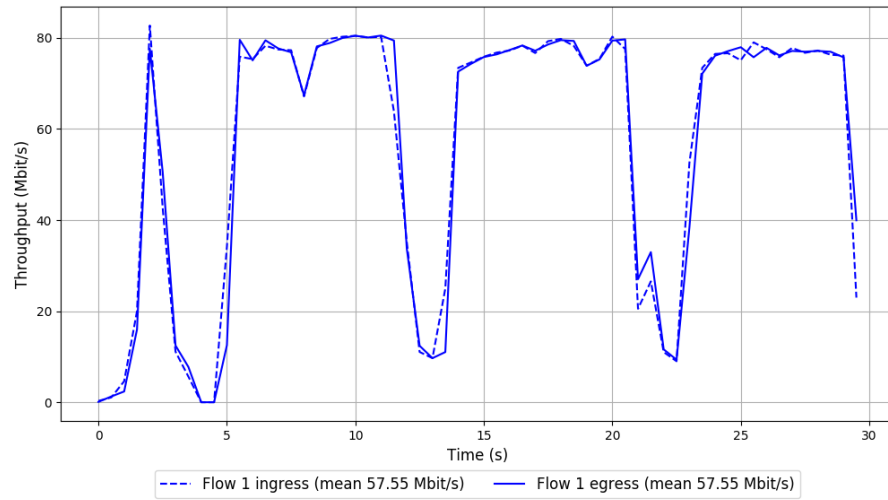
-- Flow 1:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 112.439 ms

Loss rate: 0.01%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

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

End at: 2018-02-27 11:08:17

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.96 Mbit/s

95th percentile per-packet one-way delay: 112.474 ms

Loss rate: 0.01%

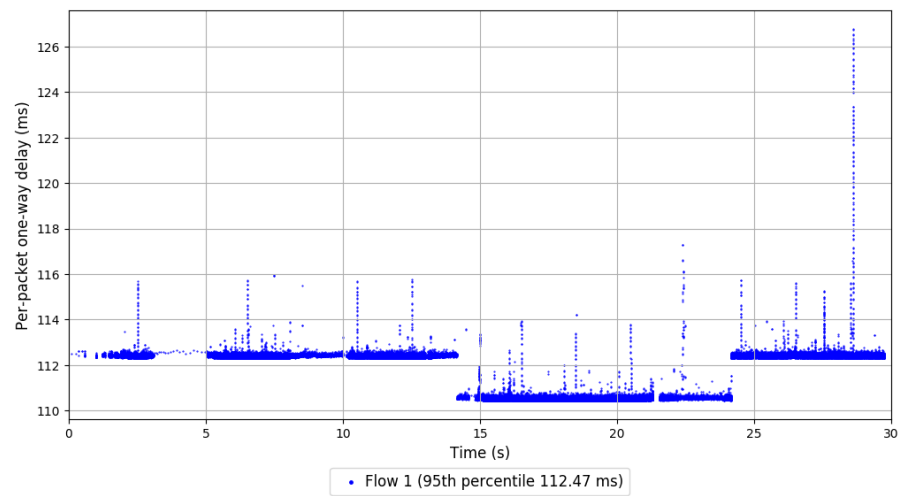
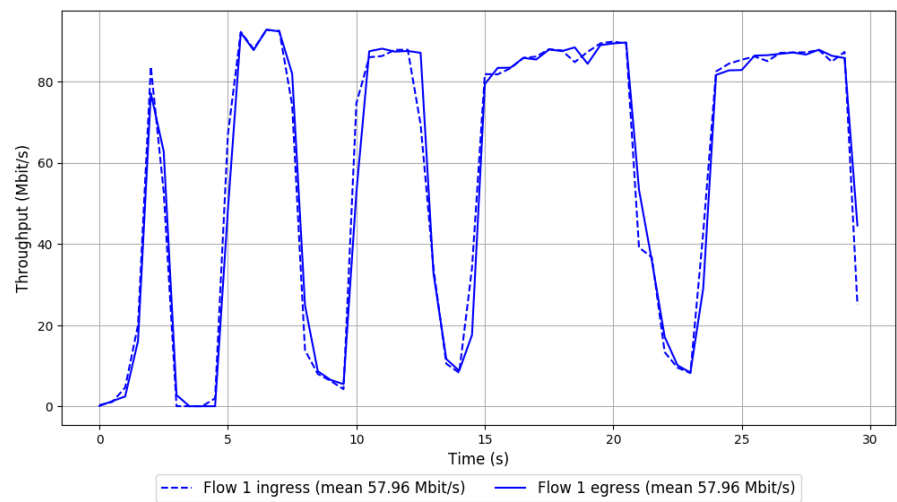
-- Flow 1:

Average throughput: 57.96 Mbit/s

95th percentile per-packet one-way delay: 112.474 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

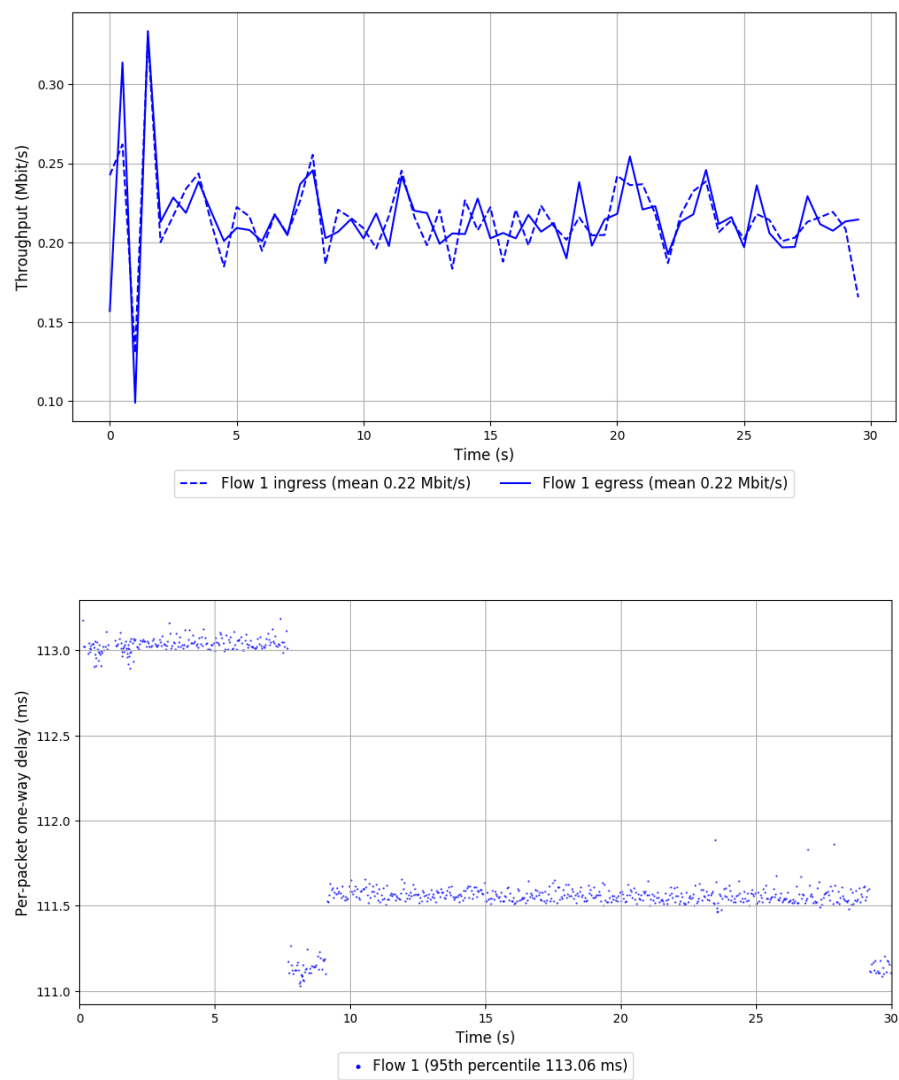


```
Run 1: Statistics of SCReAM

Start at: 2018-02-27 08:51:42
End at: 2018-02-27 08:52:12

# Below is generated by plot.py at 2018-02-27 13:03:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.063 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-02-27 09:06:51

End at: 2018-02-27 09:07:21

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

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

Loss rate: 0.00%

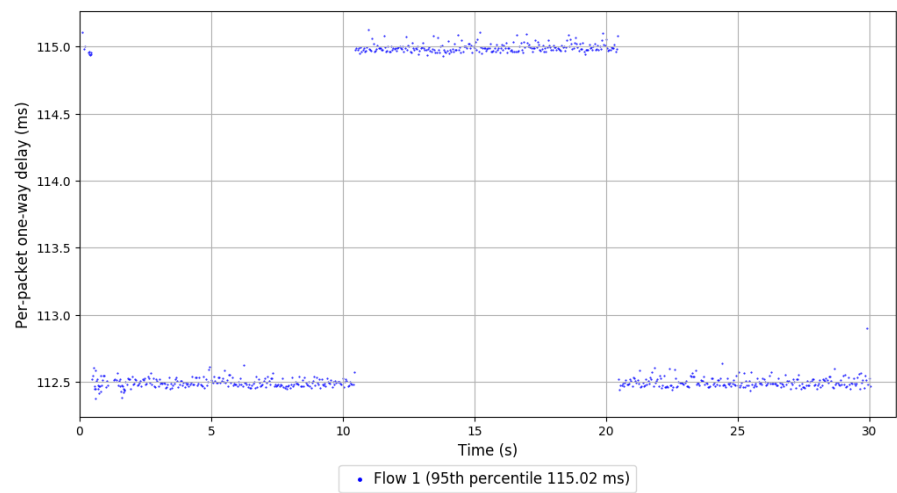
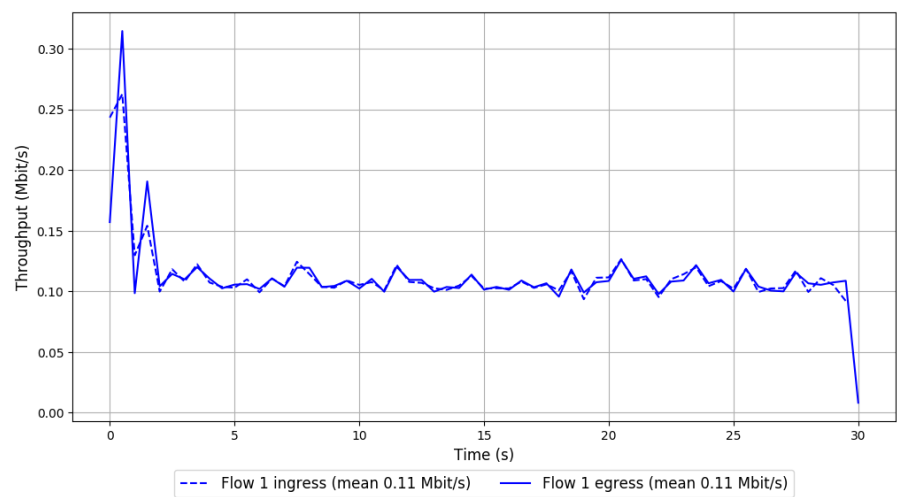
-- Flow 1:

Average throughput: 0.11 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-27 09:22:46

End at: 2018-02-27 09:23:16

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 113.196 ms

Loss rate: 0.00%

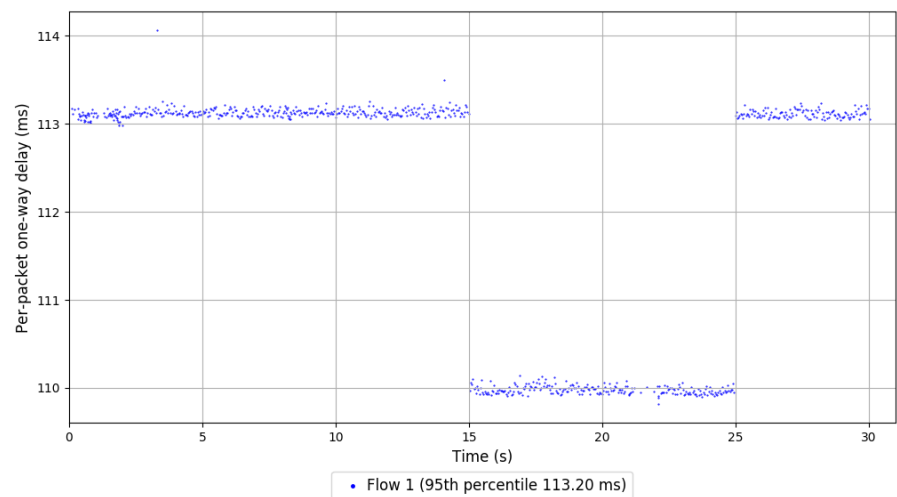
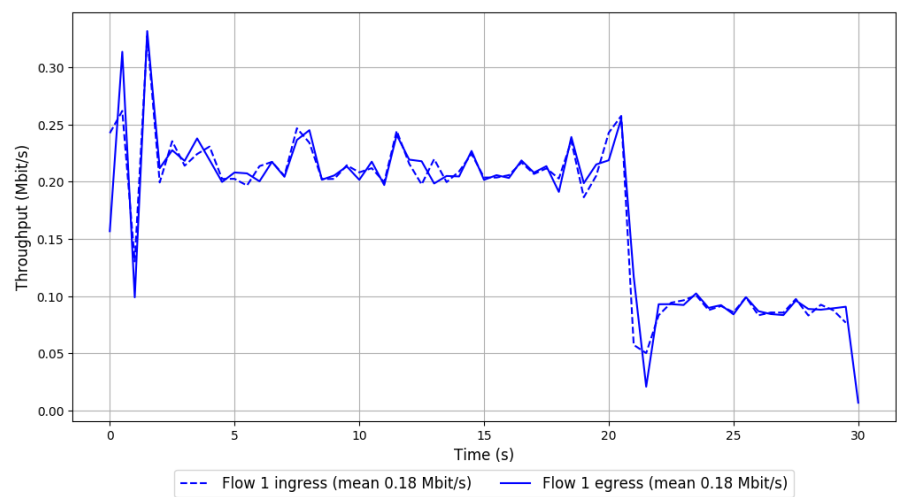
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 113.196 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-27 09:38:37

End at: 2018-02-27 09:39:07

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.084 ms

Loss rate: 0.00%

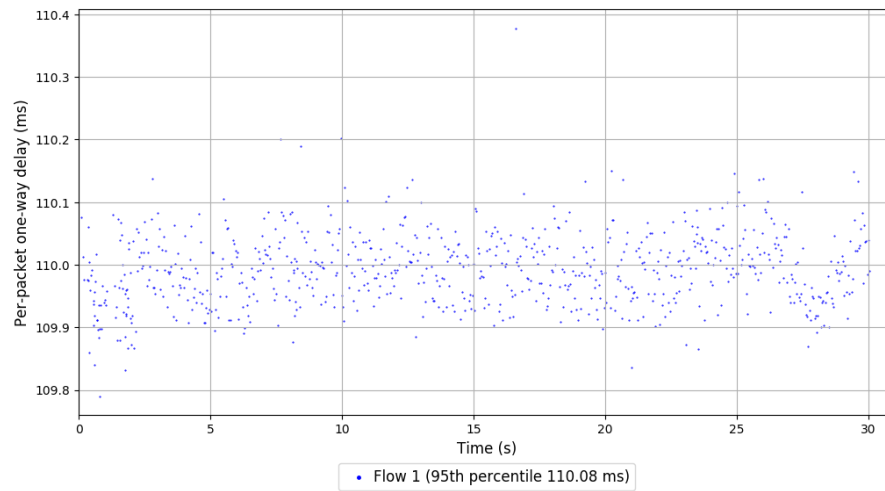
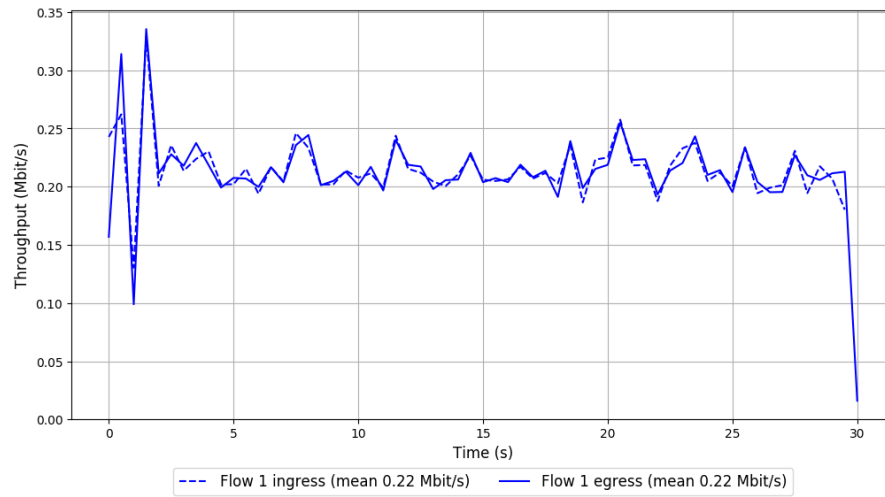
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.084 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-27 09:54:27

End at: 2018-02-27 09:54:57

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.806 ms

Loss rate: 0.00%

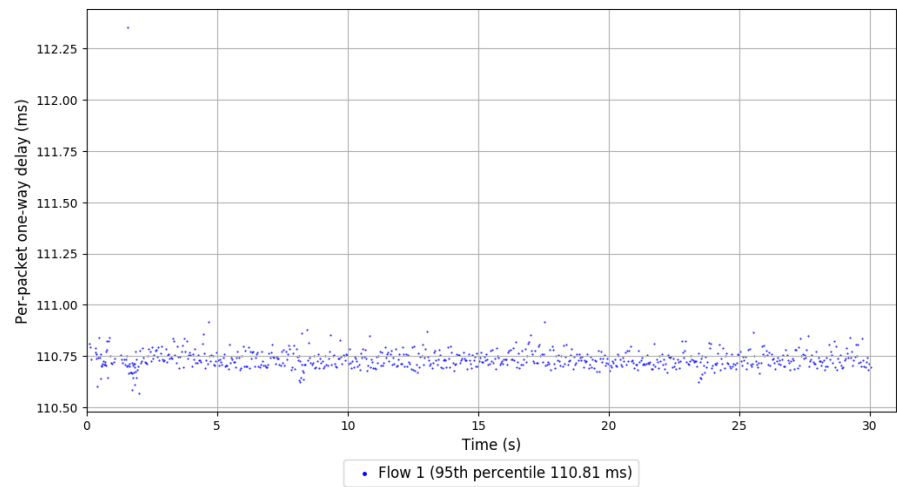
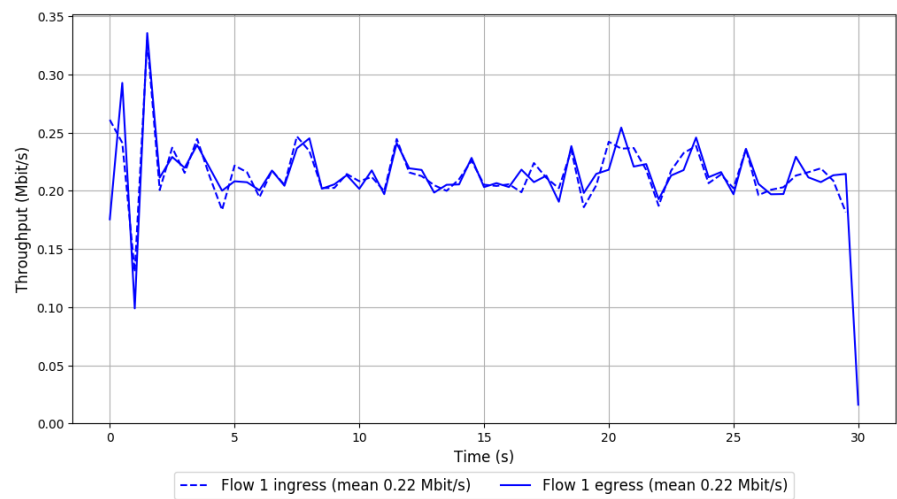
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.806 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-27 10:09:58

End at: 2018-02-27 10:10:28

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.862 ms

Loss rate: 0.00%

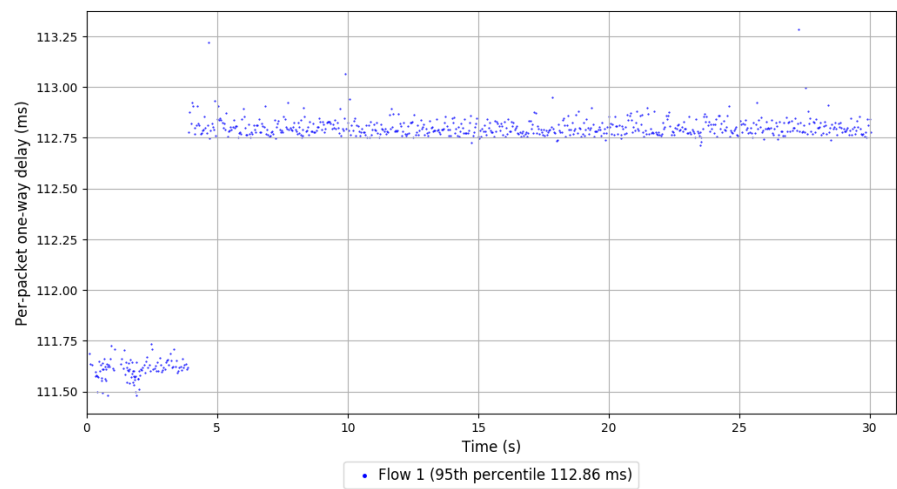
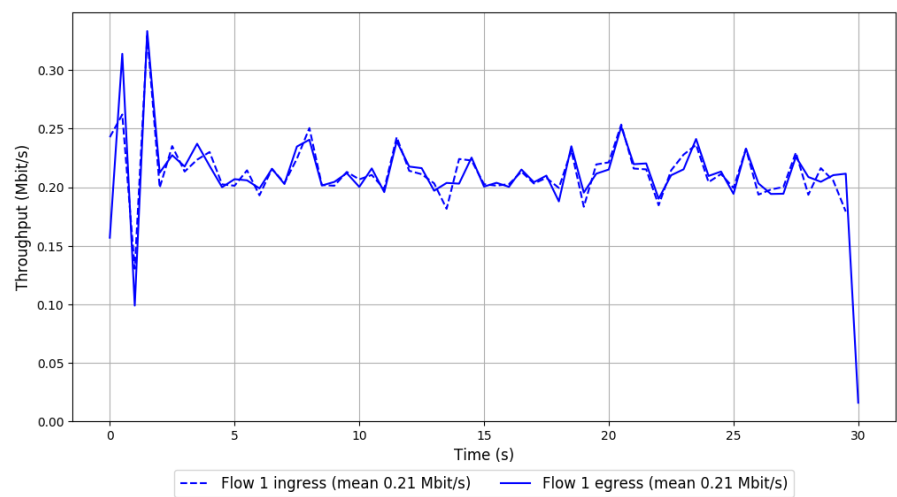
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.862 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

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

End at: 2018-02-27 10:25:32

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.472 ms

Loss rate: 0.00%

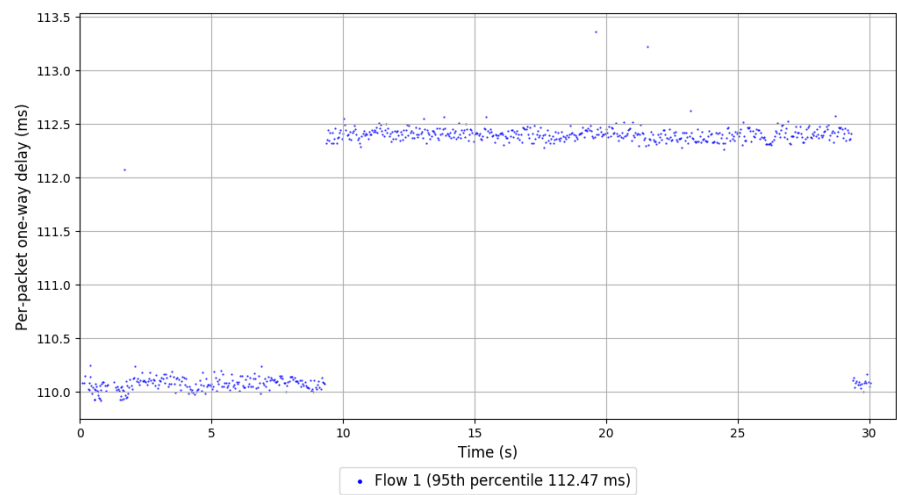
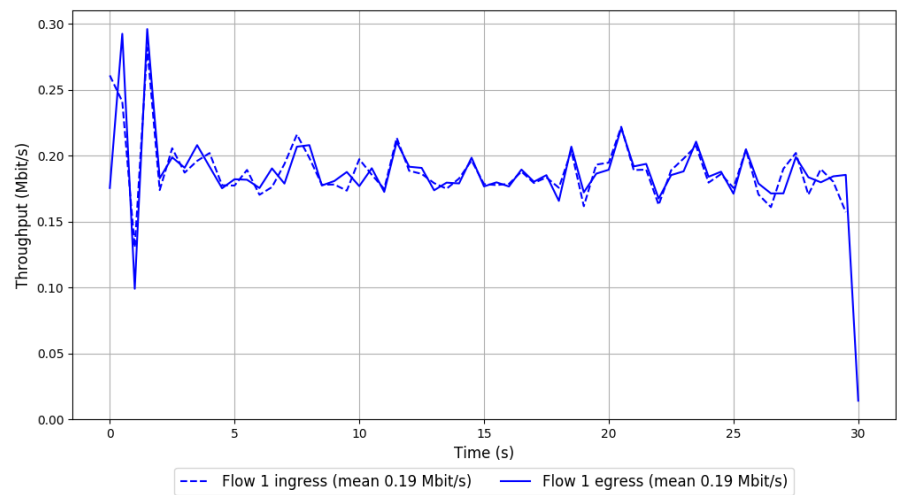
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.472 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-27 10:40:29

End at: 2018-02-27 10:40:59

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.250 ms

Loss rate: 0.00%

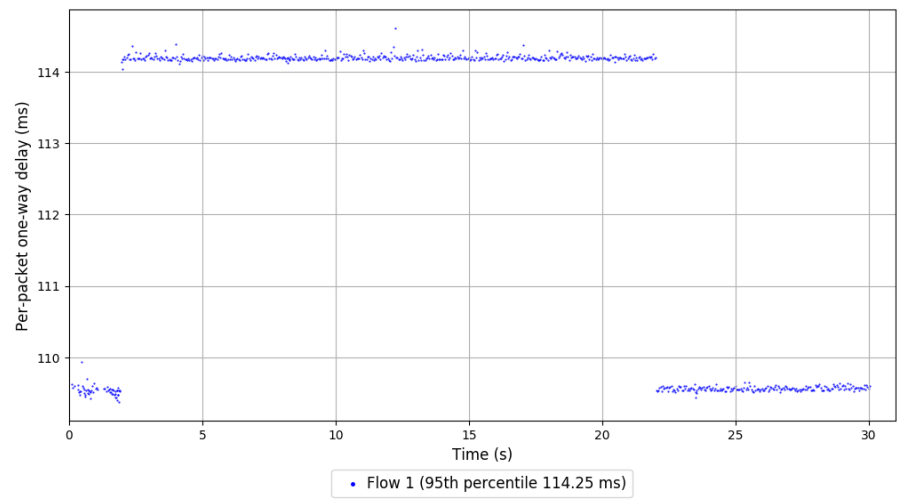
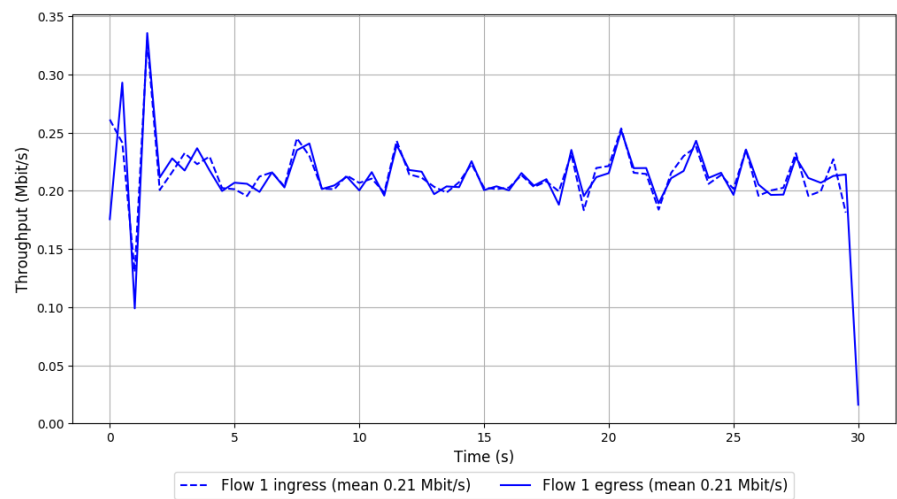
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.250 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-27 10:55:52

End at: 2018-02-27 10:56:22

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.445 ms

Loss rate: 0.00%

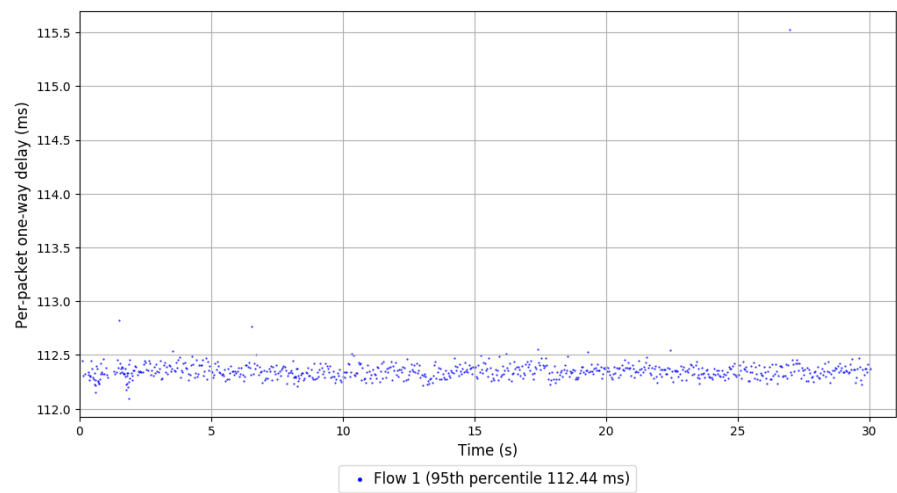
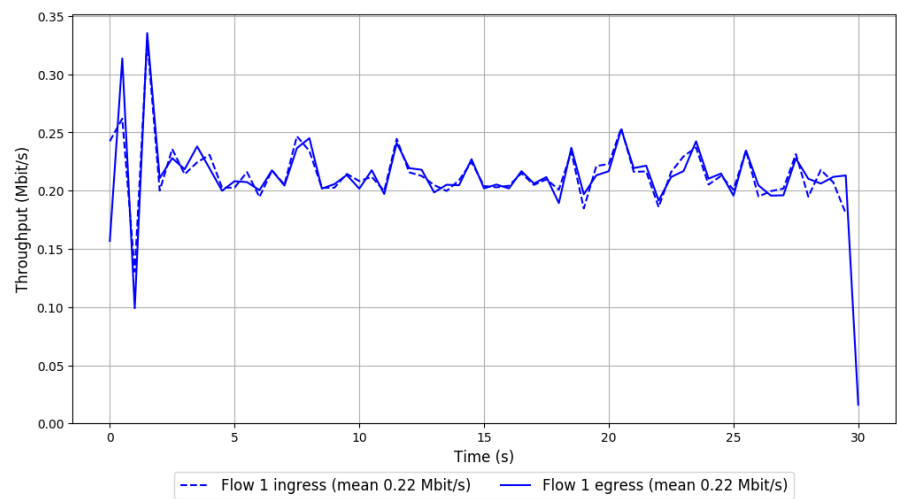
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.445 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

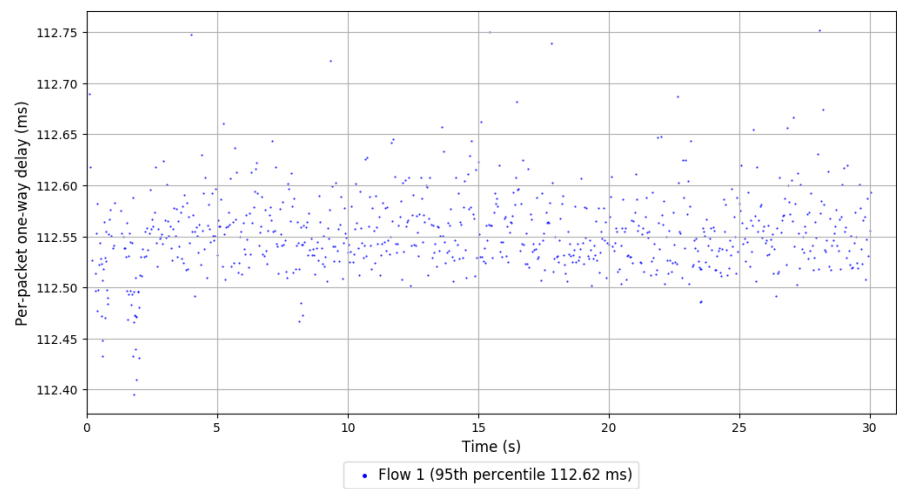
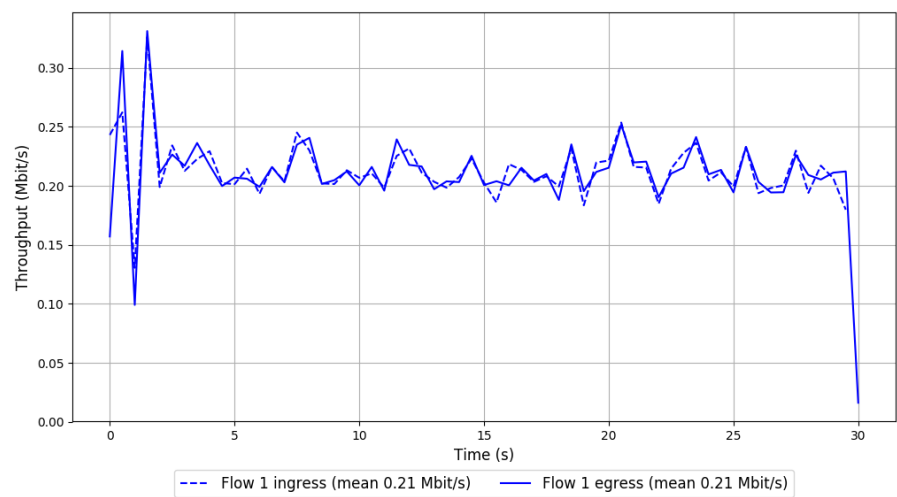


```
Run 10: Statistics of SReAM

Start at: 2018-02-27 11:11:13
End at: 2018-02-27 11:11:43

# Below is generated by plot.py at 2018-02-27 13:03:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.618 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-02-27 08:58:26

End at: 2018-02-27 08:58:56

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

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

Loss rate: 0.00%

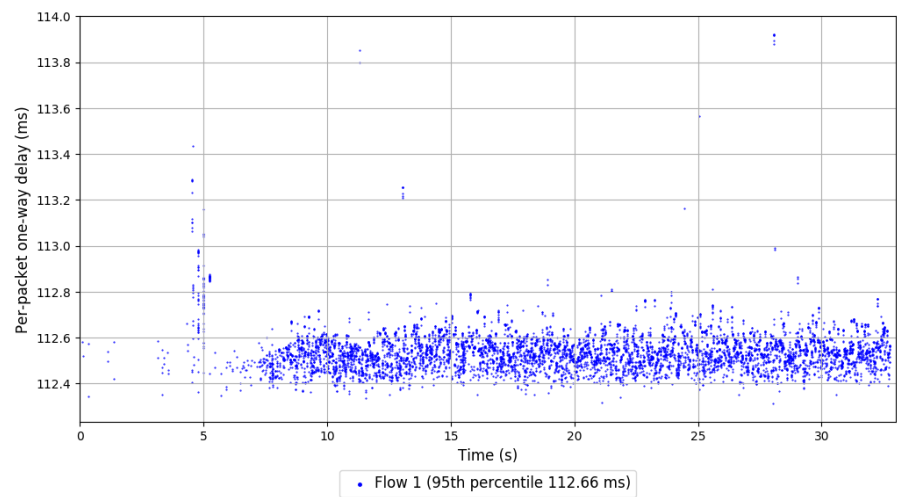
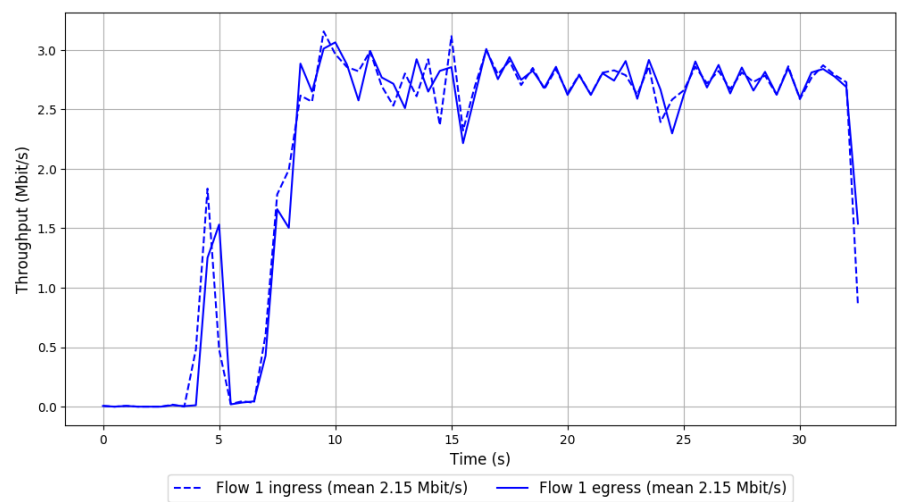
-- Flow 1:

Average throughput: 2.15 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-27 09:13:35

End at: 2018-02-27 09:14:05

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 110.839 ms

Loss rate: 0.00%

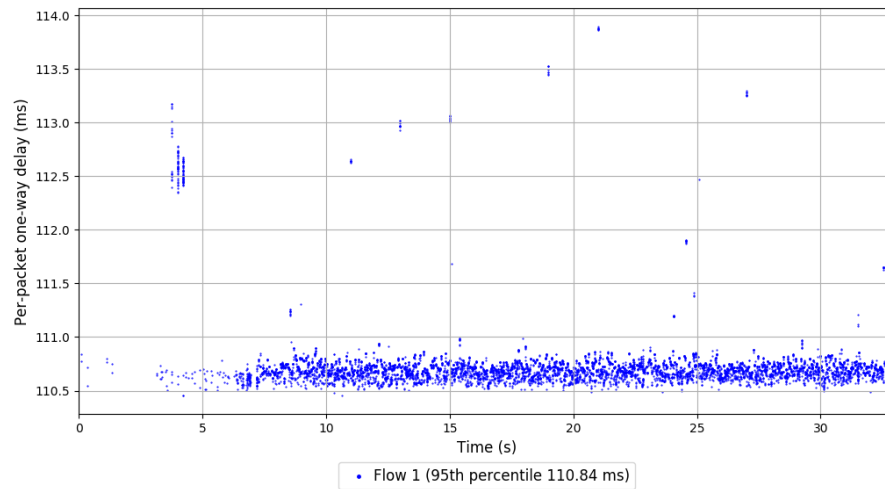
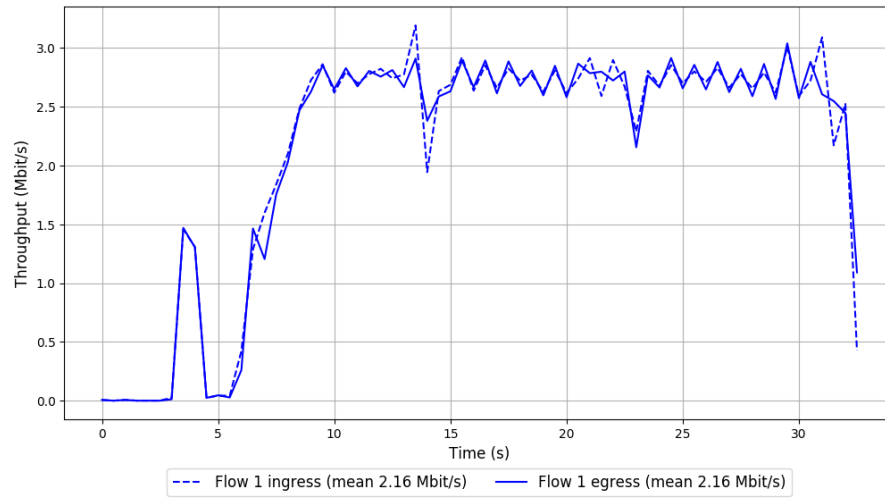
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 110.839 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-27 09:29:32

End at: 2018-02-27 09:30:02

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 110.717 ms

Loss rate: 0.00%

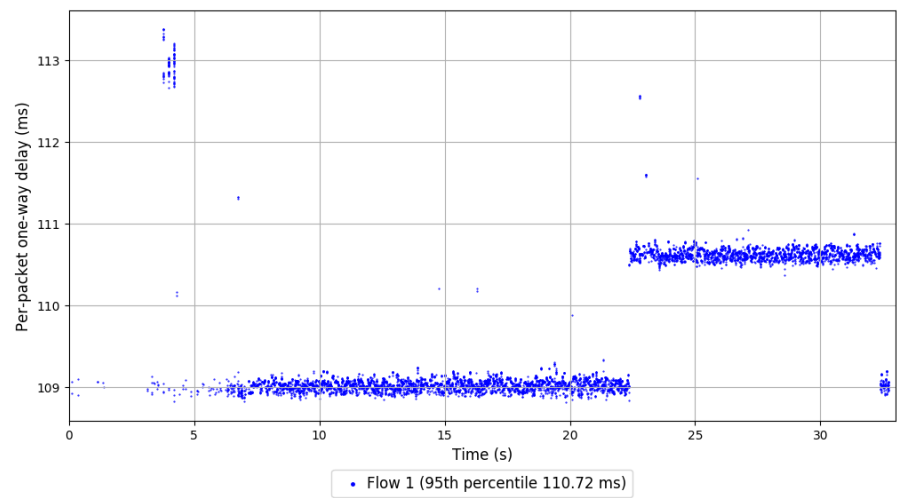
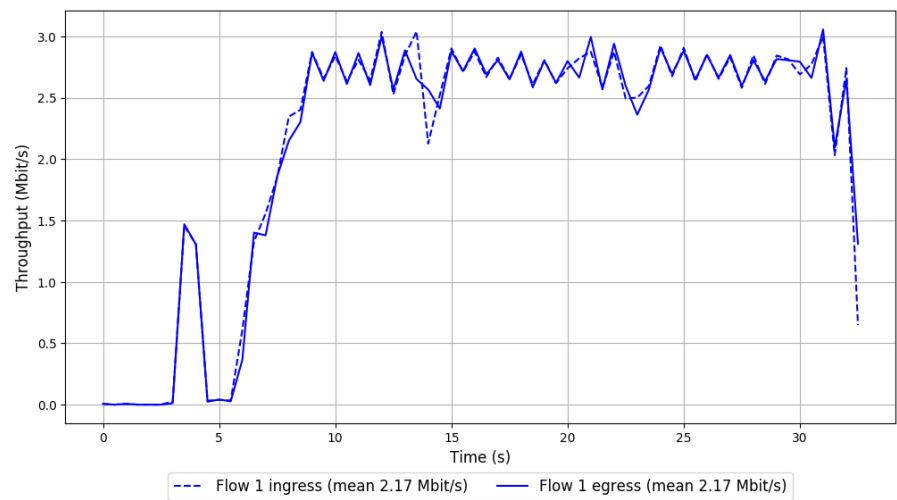
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 110.717 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-27 09:45:23

End at: 2018-02-27 09:45:53

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 113.218 ms

Loss rate: 0.00%

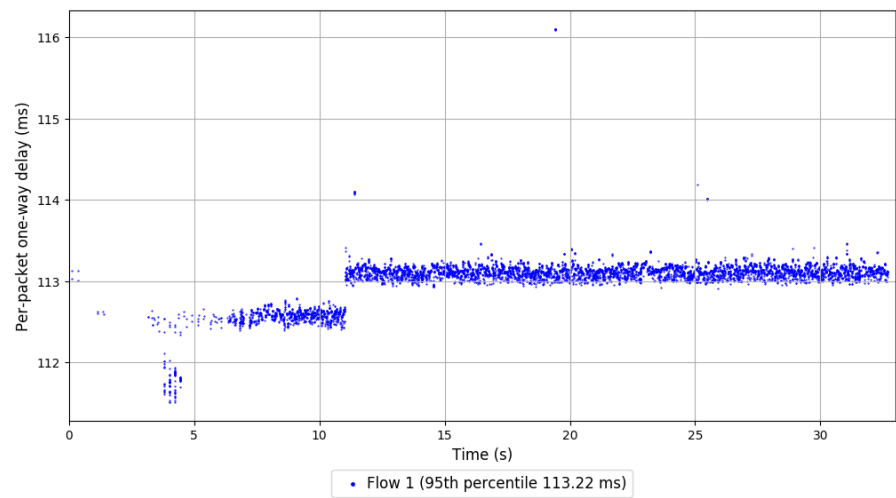
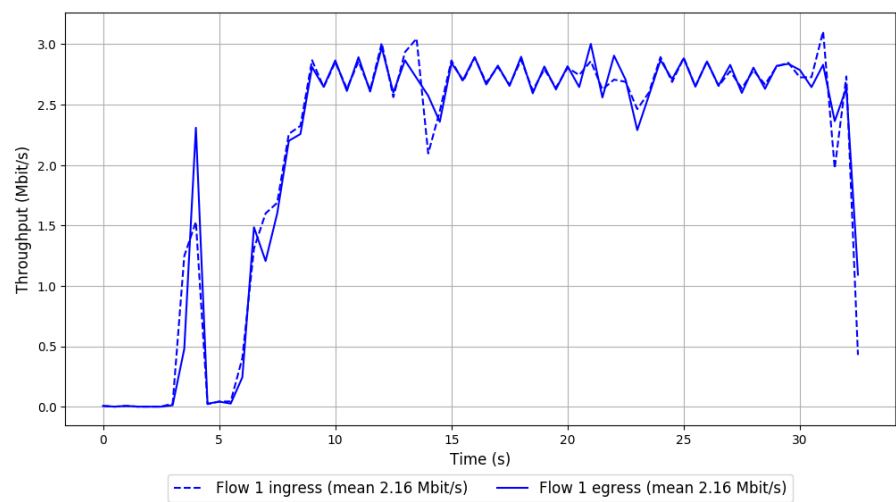
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 113.218 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-27 10:01:11

End at: 2018-02-27 10:01:41

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.540 ms

Loss rate: 0.00%

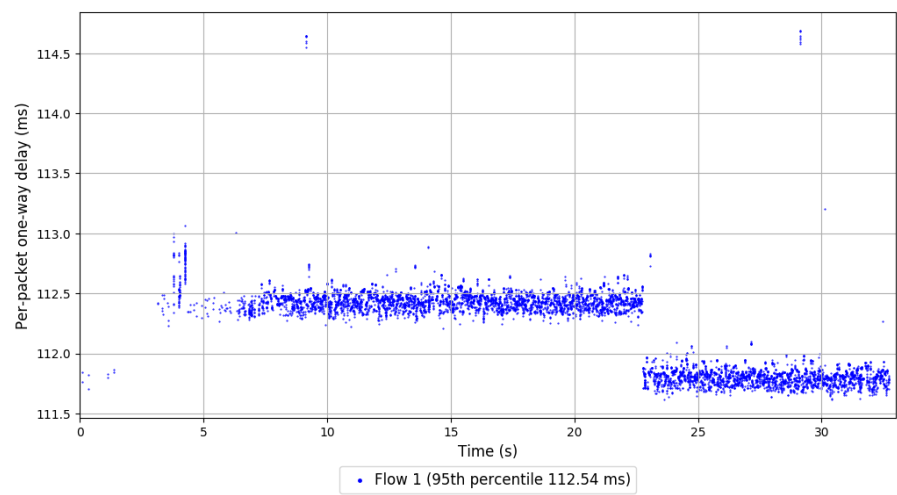
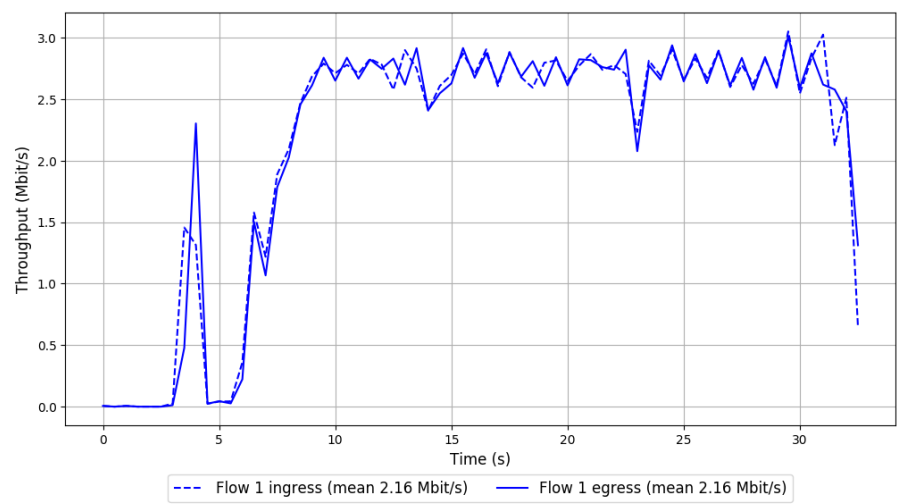
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.540 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-27 10:16:38

End at: 2018-02-27 10:17:08

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 110.868 ms

Loss rate: 0.00%

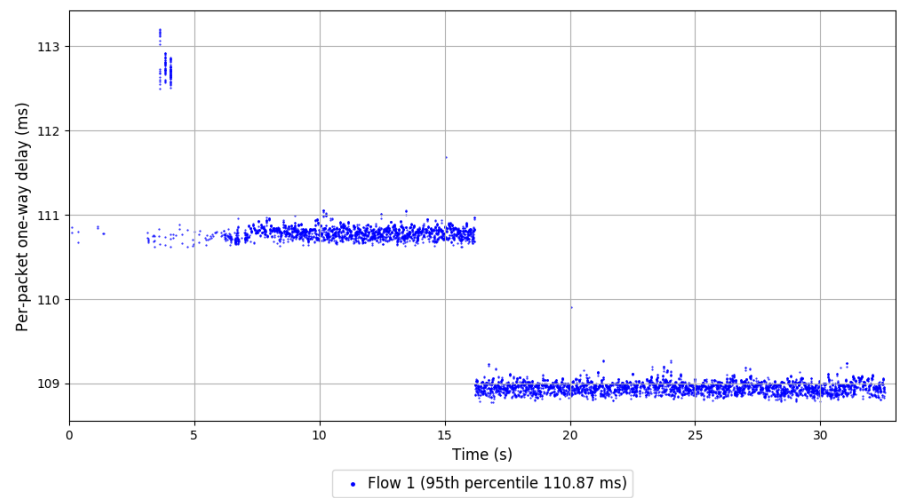
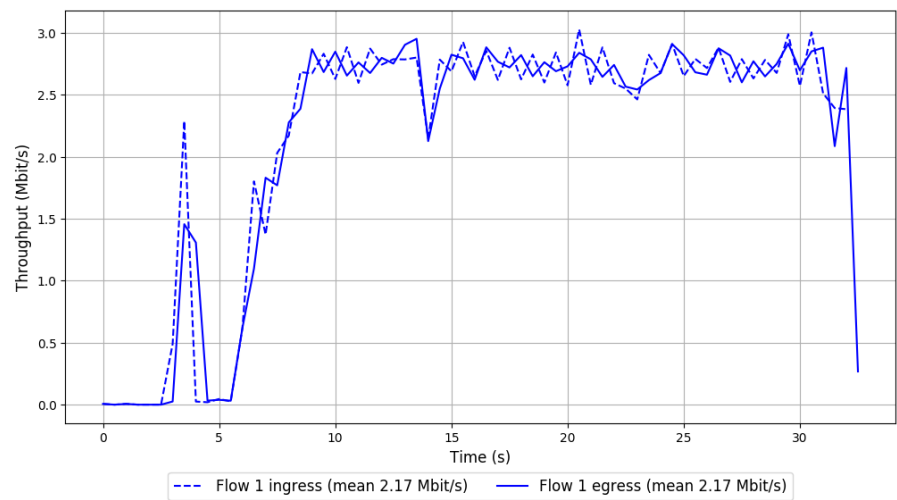
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 110.868 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-27 10:31:45

End at: 2018-02-27 10:32:15

Below is generated by plot.py at 2018-02-27 13:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 111.065 ms

Loss rate: 0.00%

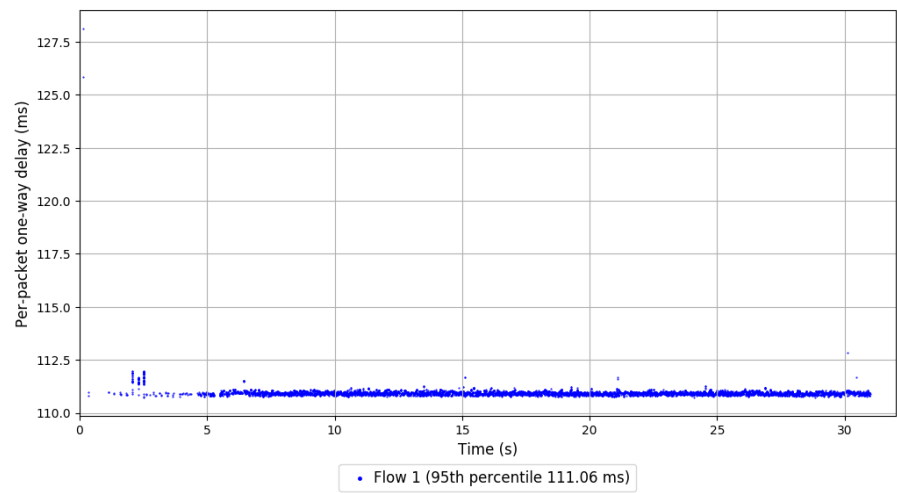
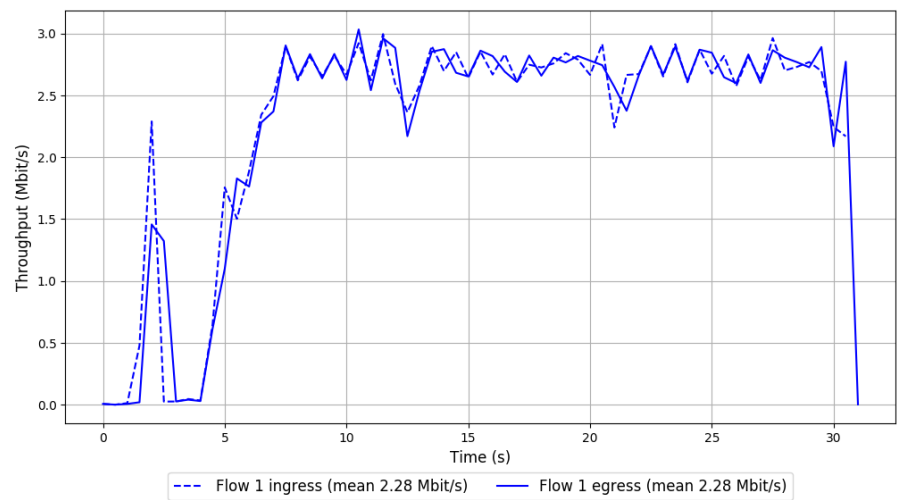
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 111.065 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-27 10:47:14

End at: 2018-02-27 10:47:44

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 111.613 ms

Loss rate: 0.00%

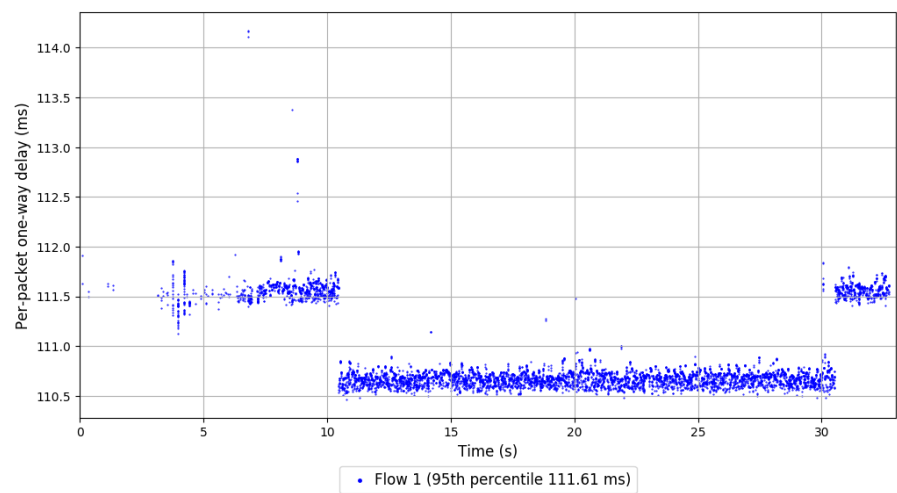
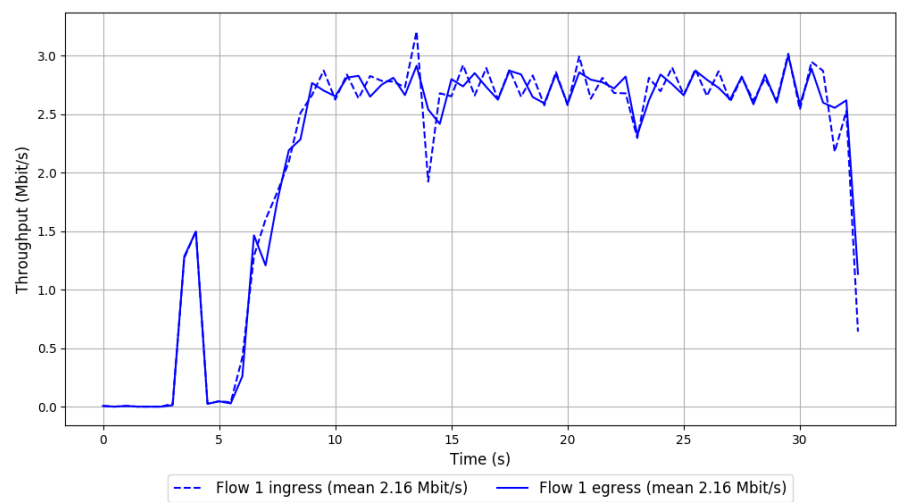
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 111.613 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-27 11:02:37

End at: 2018-02-27 11:03:07

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 112.589 ms

Loss rate: 0.00%

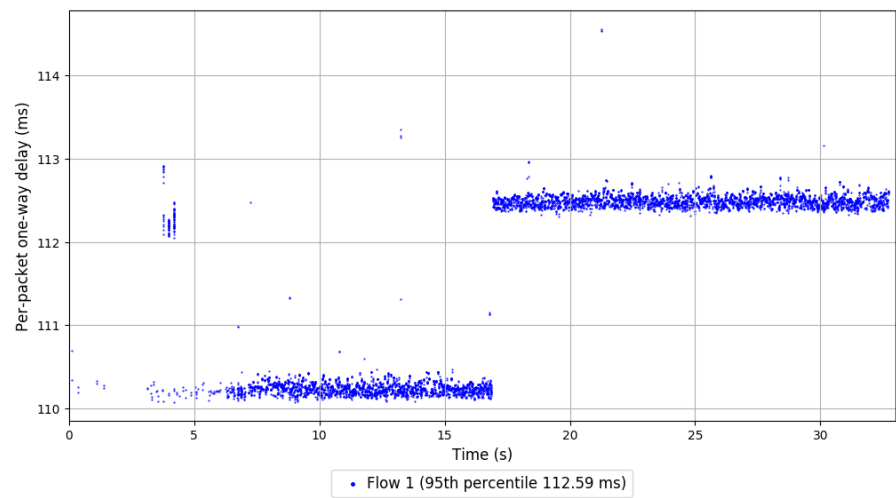
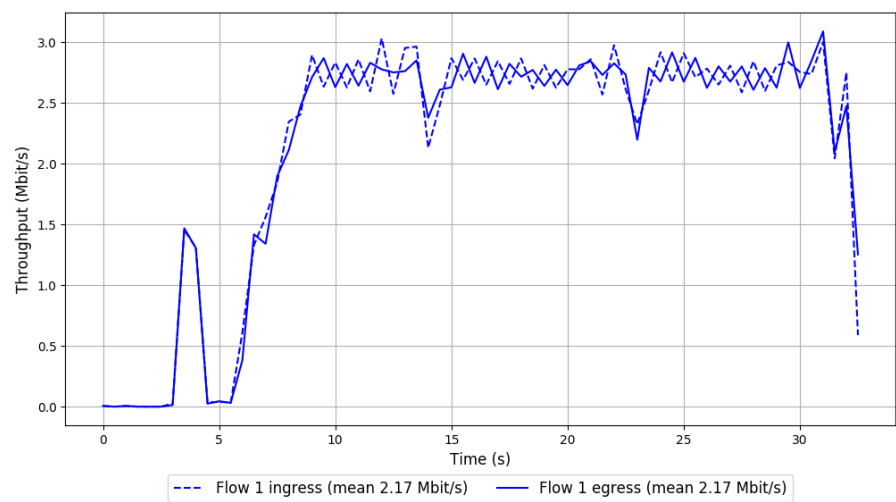
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 112.589 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-27 11:18:02

End at: 2018-02-27 11:18:32

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 111.504 ms

Loss rate: 0.00%

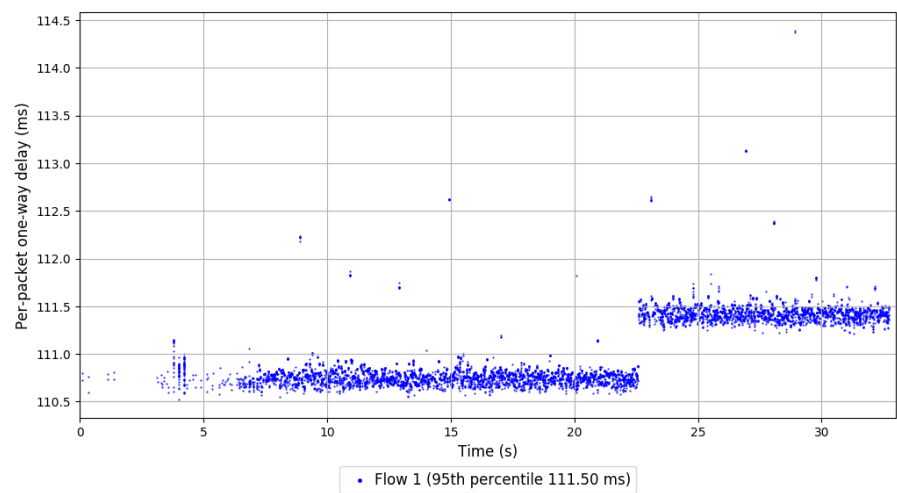
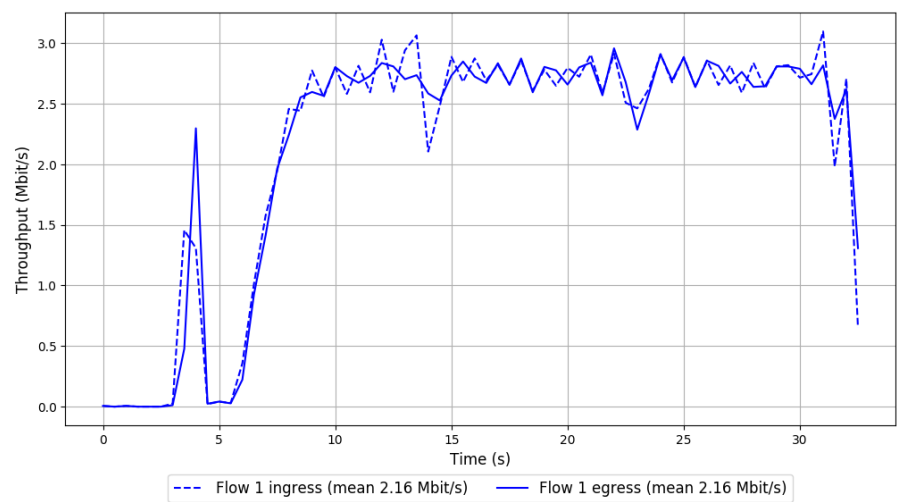
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 111.504 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-27 08:57:45

End at: 2018-02-27 08:58:15

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 113.754 ms

Loss rate: 0.00%

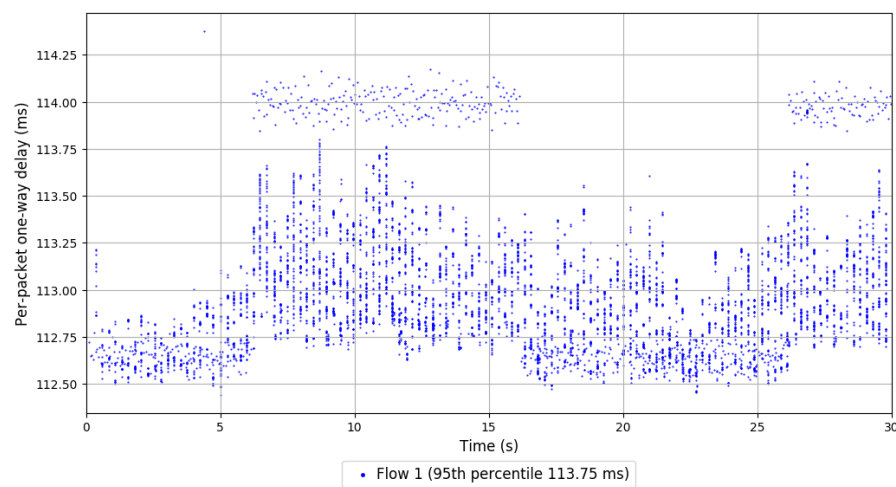
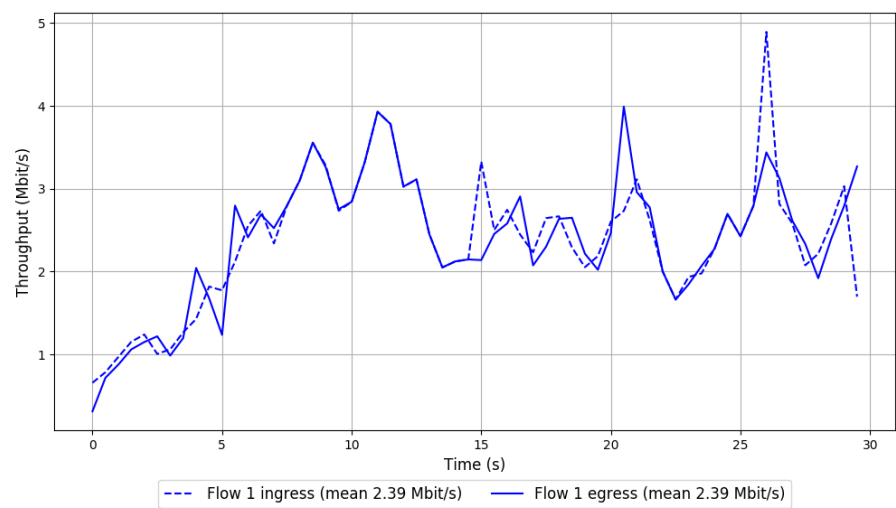
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 113.754 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-27 09:12:55

End at: 2018-02-27 09:13:25

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 113.383 ms

Loss rate: 0.00%

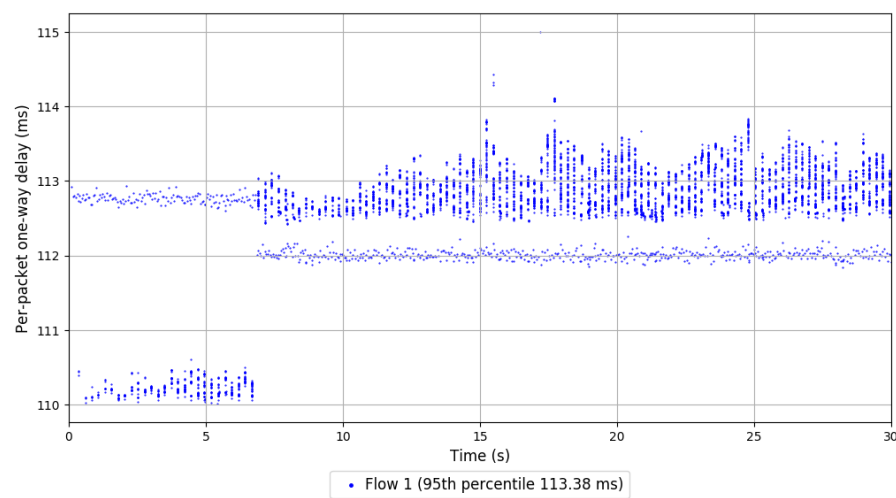
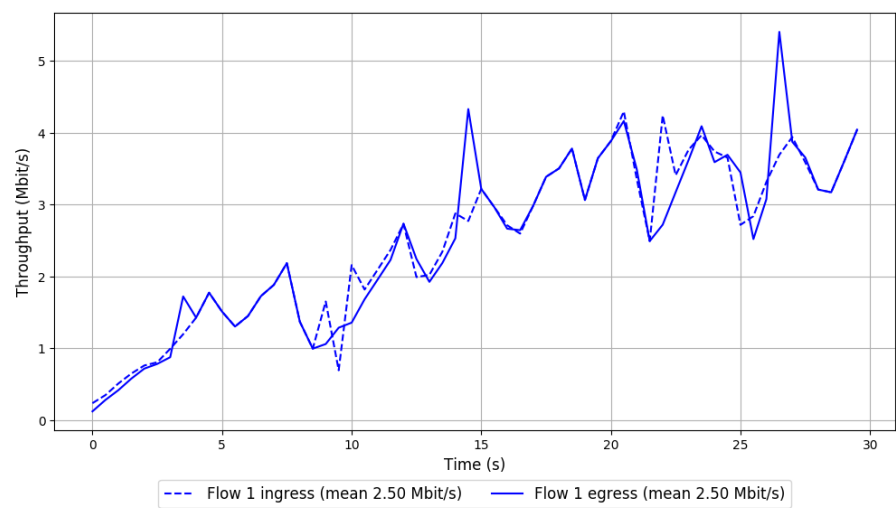
-- Flow 1:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 113.383 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-27 09:28:51

End at: 2018-02-27 09:29:21

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 114.459 ms

Loss rate: 0.00%

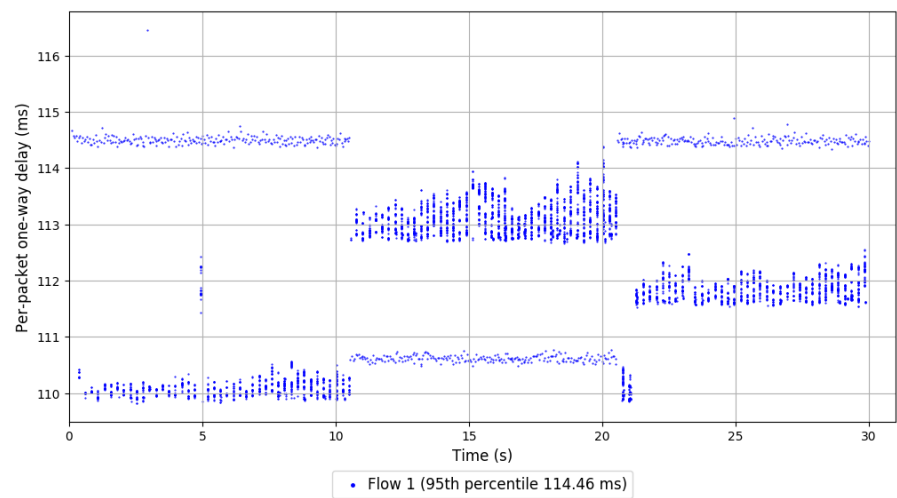
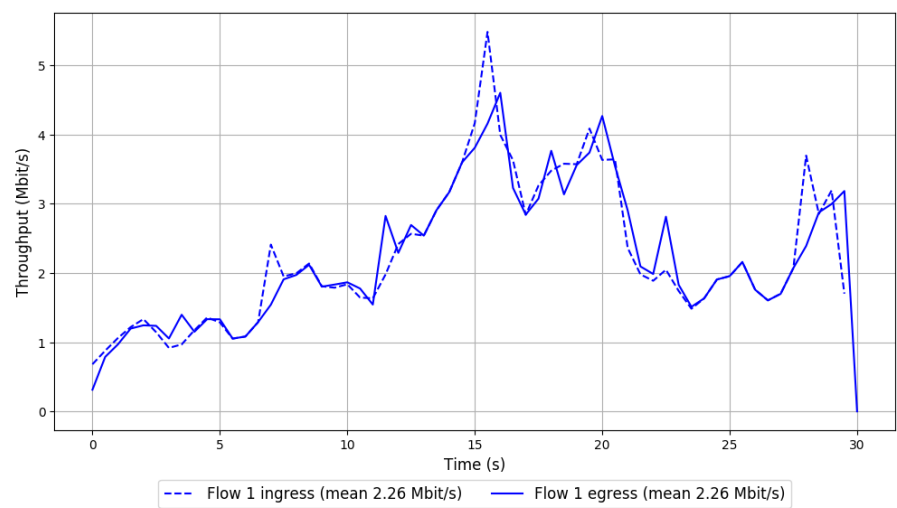
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 114.459 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-27 09:44:42

End at: 2018-02-27 09:45:12

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 113.626 ms

Loss rate: 0.00%

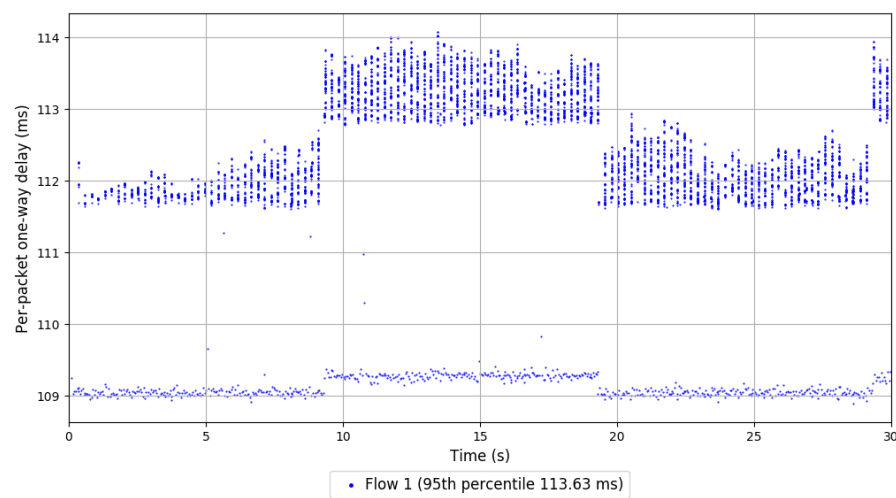
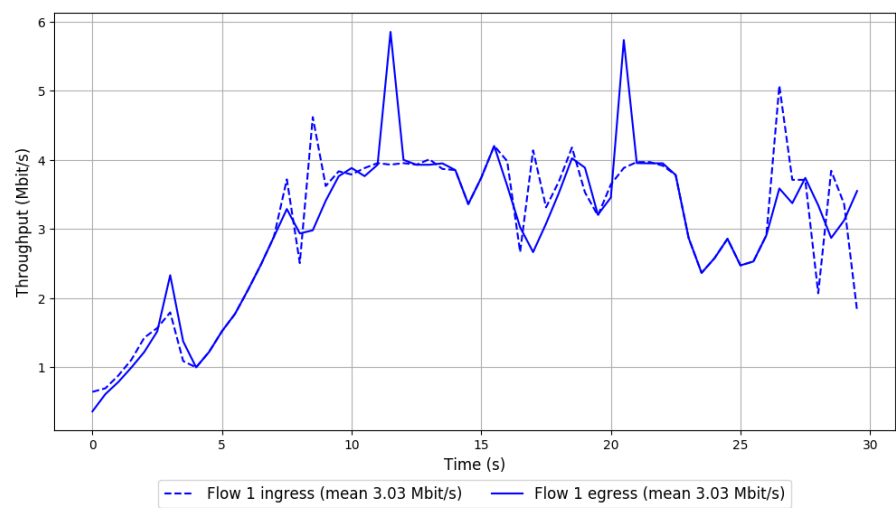
-- Flow 1:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 113.626 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-27 10:00:30

End at: 2018-02-27 10:01:00

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 113.373 ms

Loss rate: 0.00%

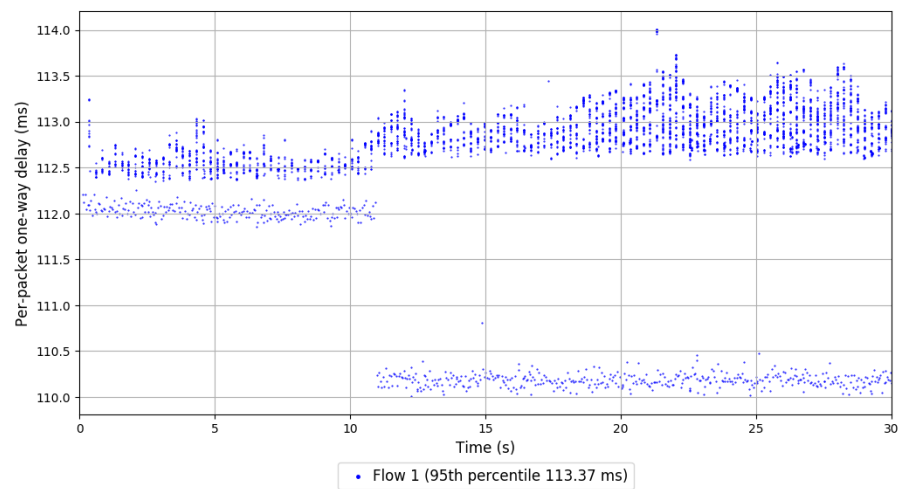
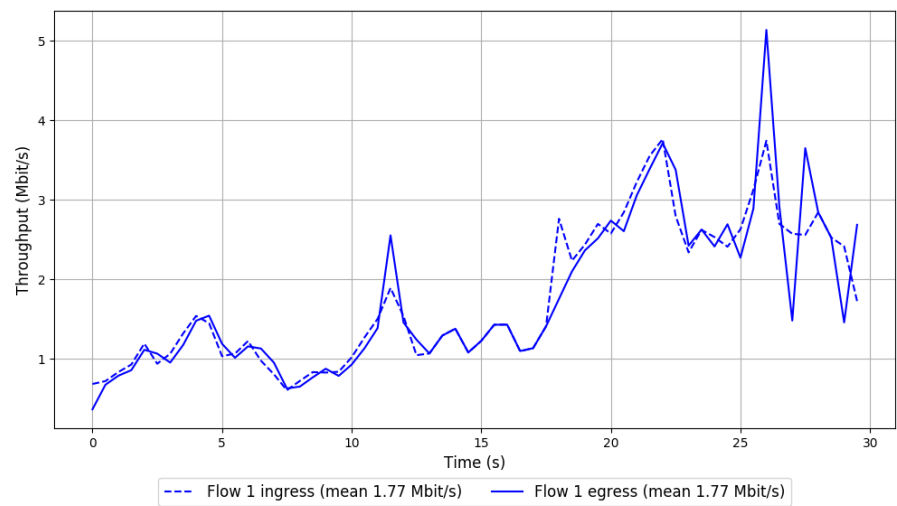
-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 113.373 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-27 10:15:57

End at: 2018-02-27 10:16:27

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 113.327 ms

Loss rate: 0.00%

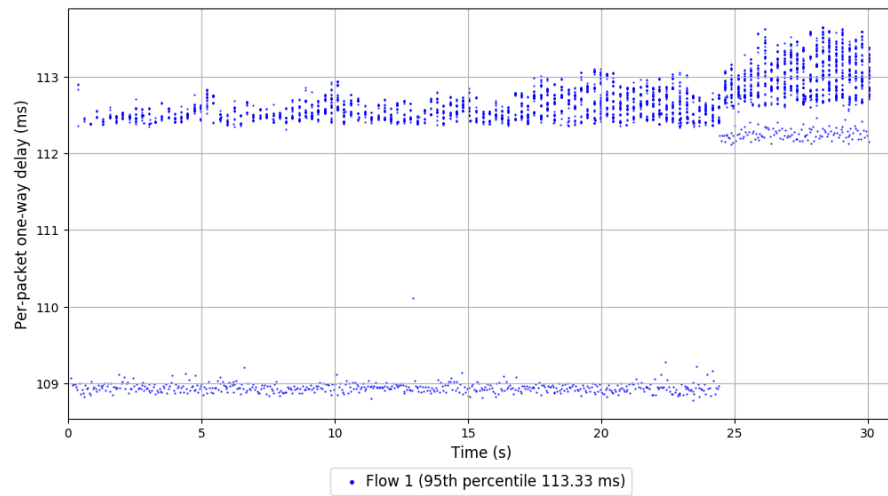
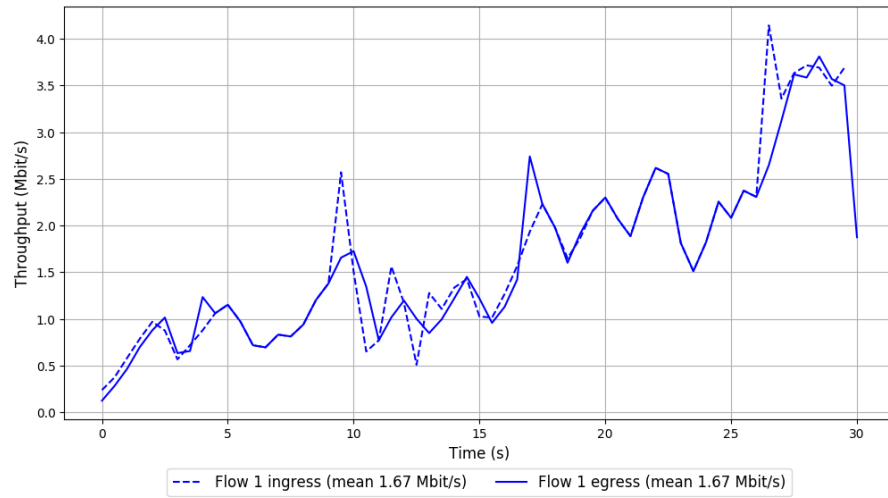
-- Flow 1:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 113.327 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-27 10:31:04

End at: 2018-02-27 10:31:34

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.78 Mbit/s

95th percentile per-packet one-way delay: 113.204 ms

Loss rate: 0.00%

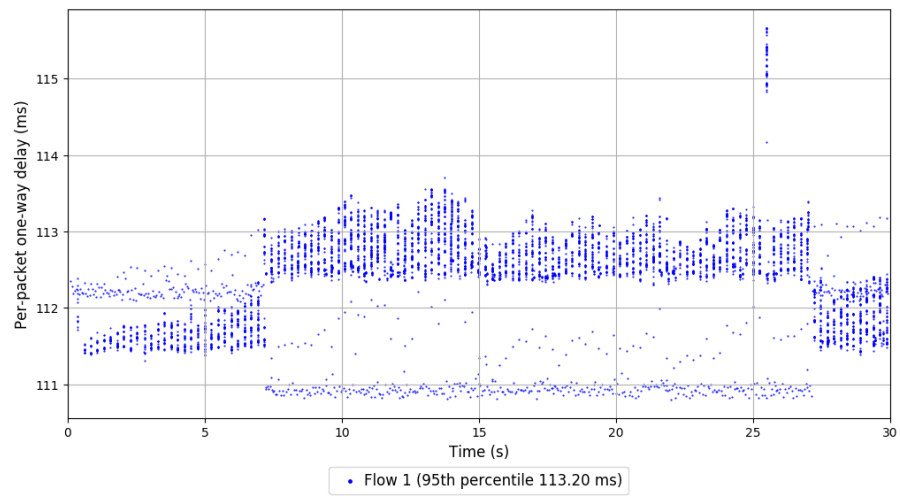
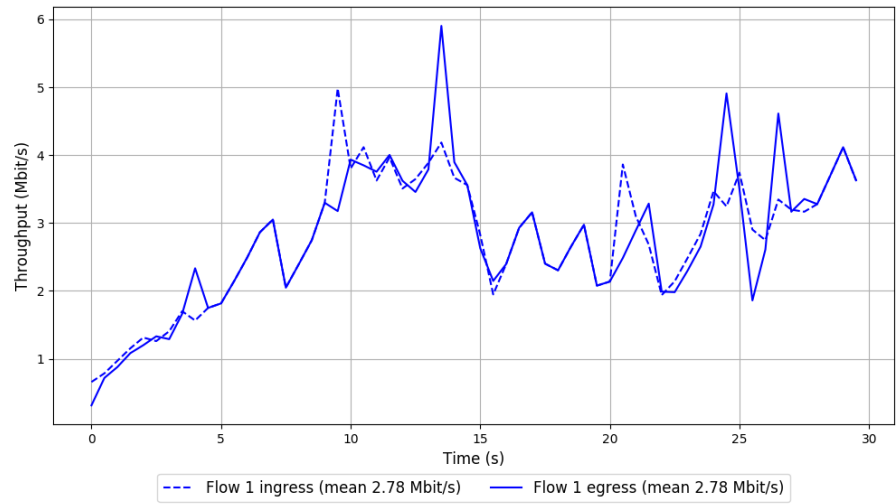
-- Flow 1:

Average throughput: 2.78 Mbit/s

95th percentile per-packet one-way delay: 113.204 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-27 10:46:33

End at: 2018-02-27 10:47:03

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 112.962 ms

Loss rate: 0.00%

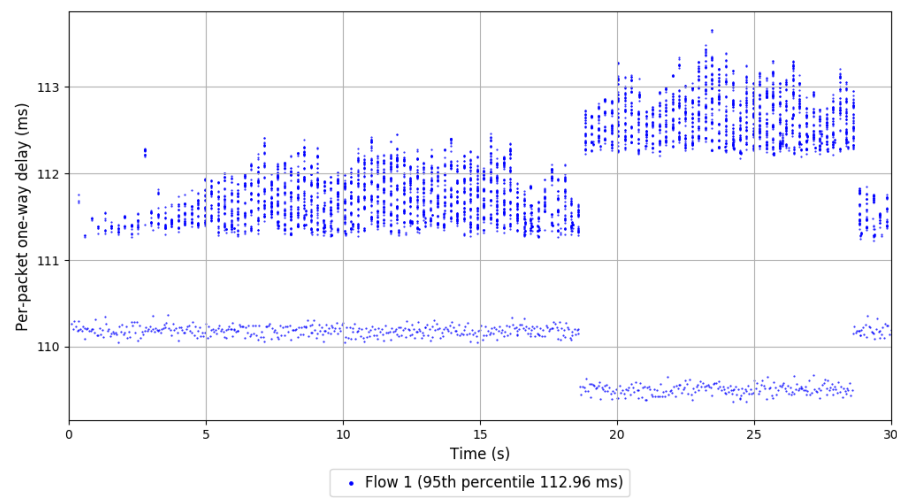
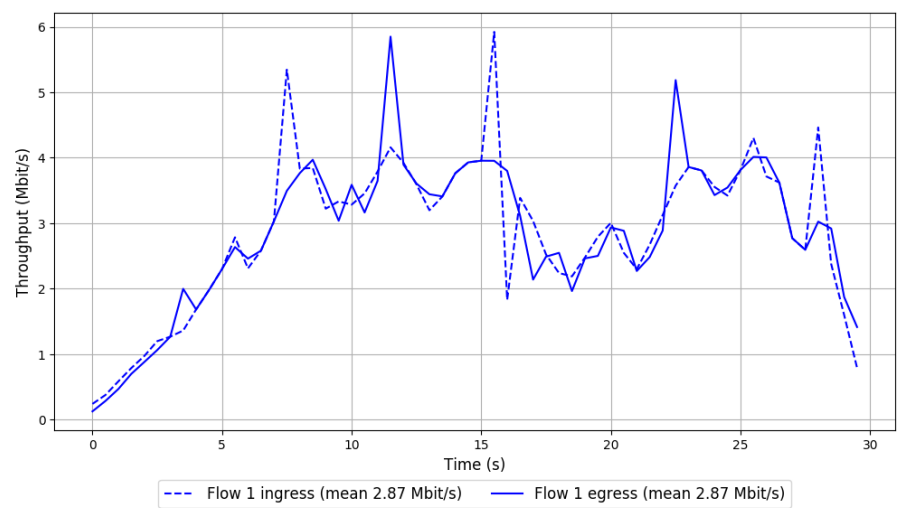
-- Flow 1:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 112.962 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-27 11:01:56

End at: 2018-02-27 11:02:26

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 112.955 ms

Loss rate: 0.00%

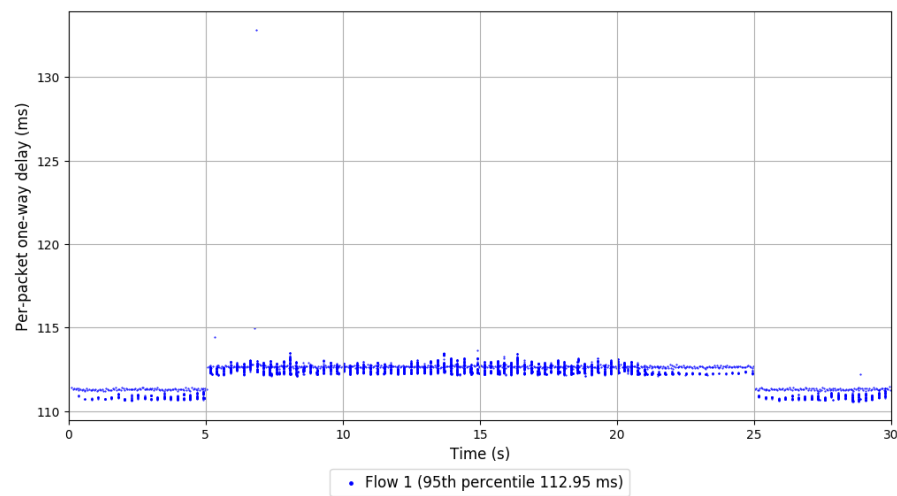
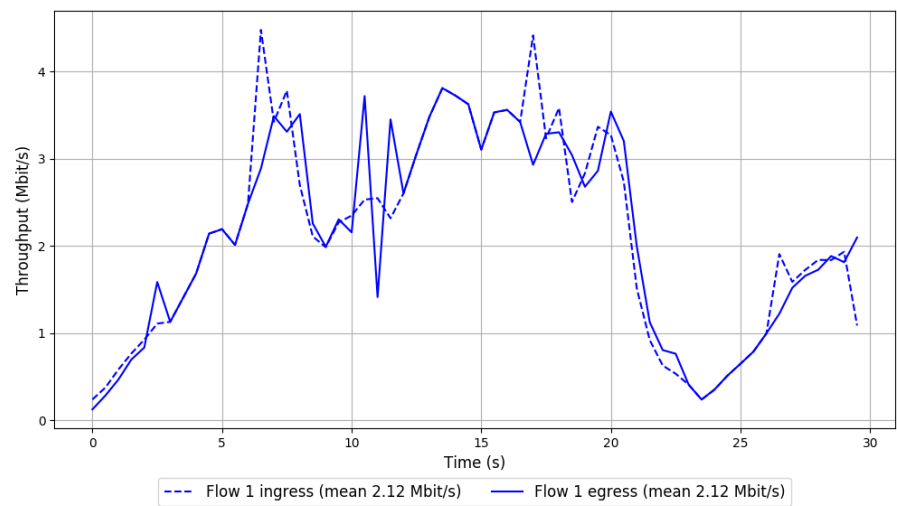
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 112.955 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-27 11:17:21

End at: 2018-02-27 11:17:51

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 112.726 ms

Loss rate: 0.00%

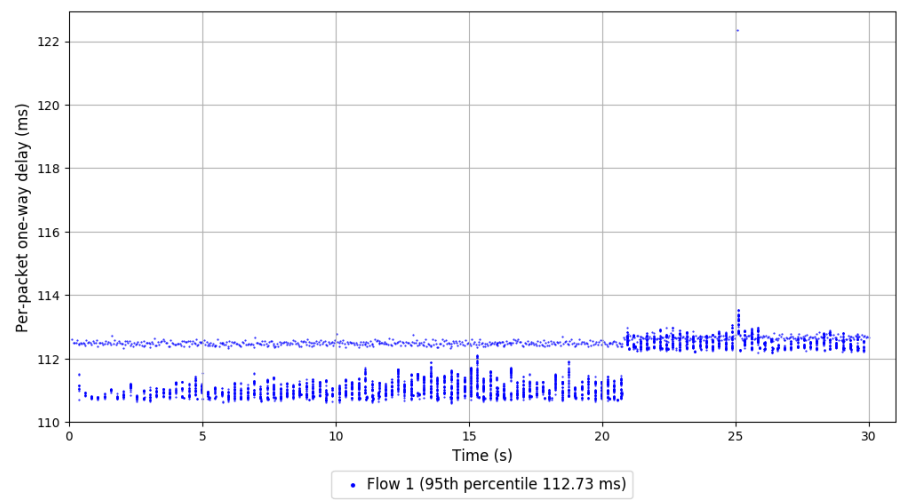
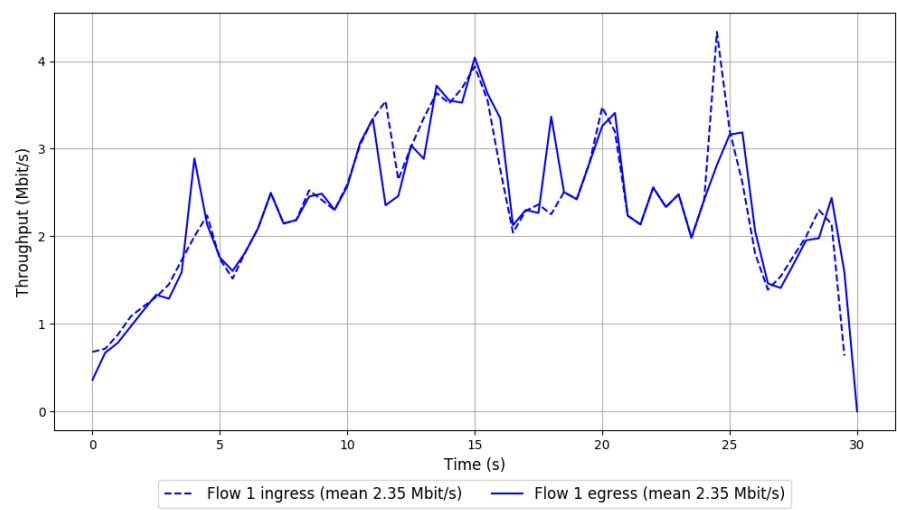
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 112.726 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

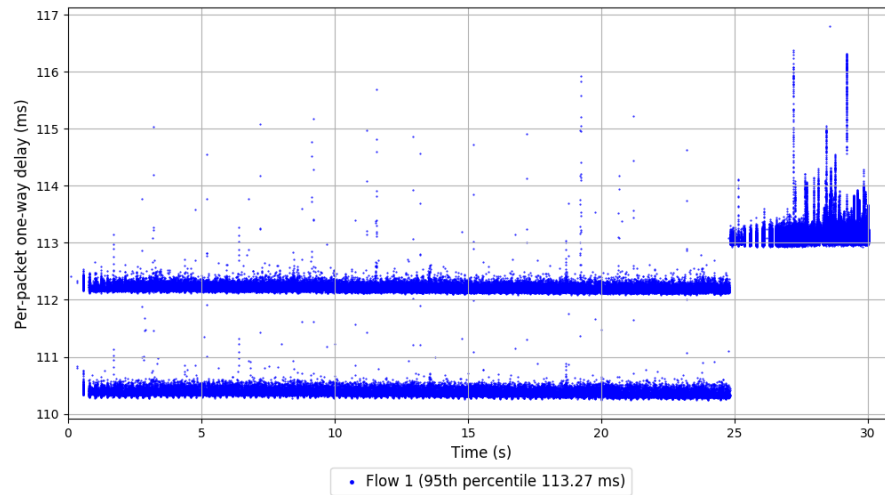
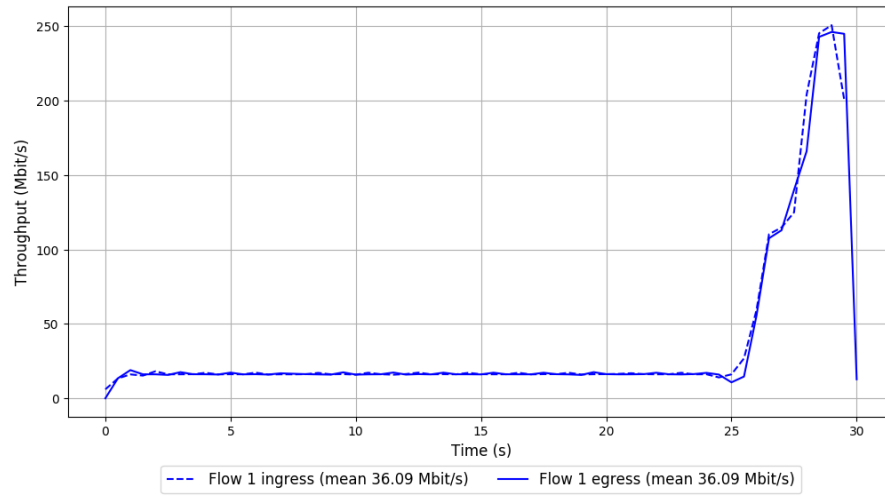


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-27 08:48:57
End at: 2018-02-27 08:49:27

# Below is generated by plot.py at 2018-02-27 13:03:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.09 Mbit/s
95th percentile per-packet one-way delay: 113.267 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.09 Mbit/s
95th percentile per-packet one-way delay: 113.267 ms
Loss rate: 0.01%
```

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

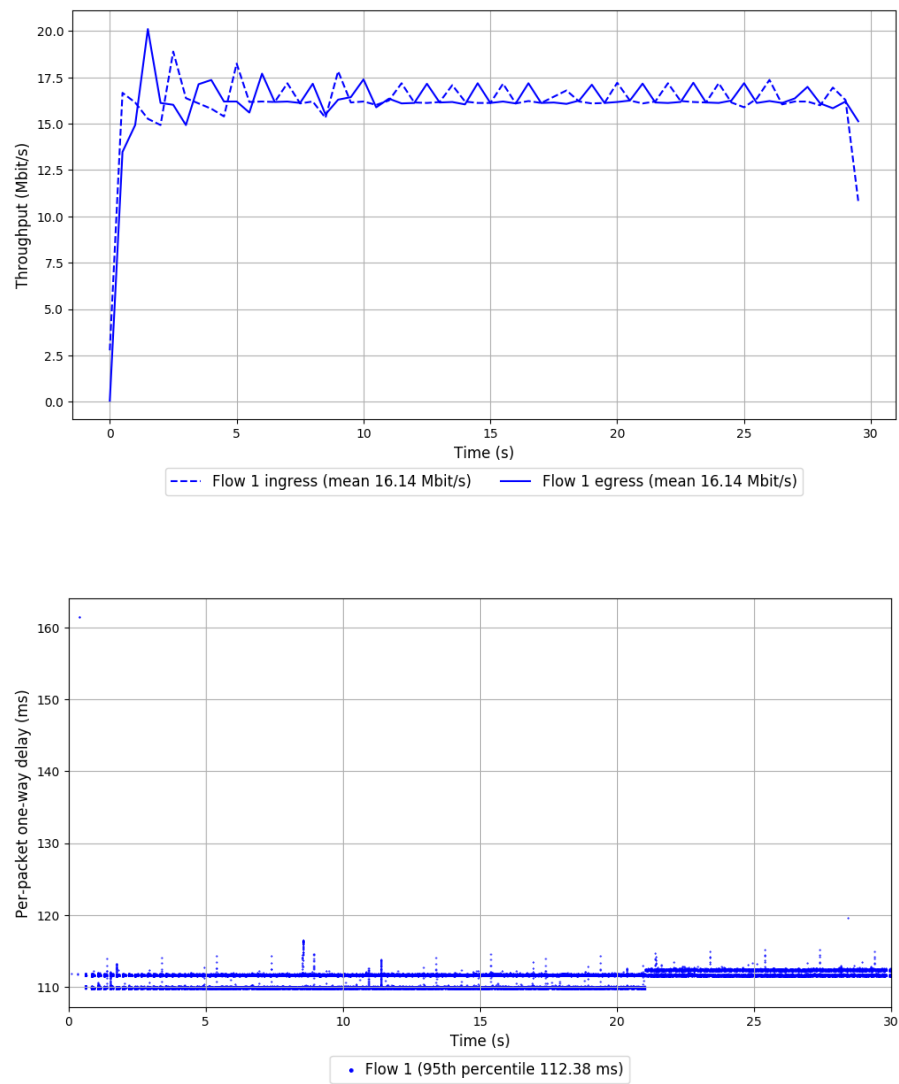


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-27 09:04:10
End at: 2018-02-27 09:04:40

# Below is generated by plot.py at 2018-02-27 13:03:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 112.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 112.376 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-27 09:19:54

End at: 2018-02-27 09:20:24

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.80 Mbit/s

95th percentile per-packet one-way delay: 112.576 ms

Loss rate: 0.00%

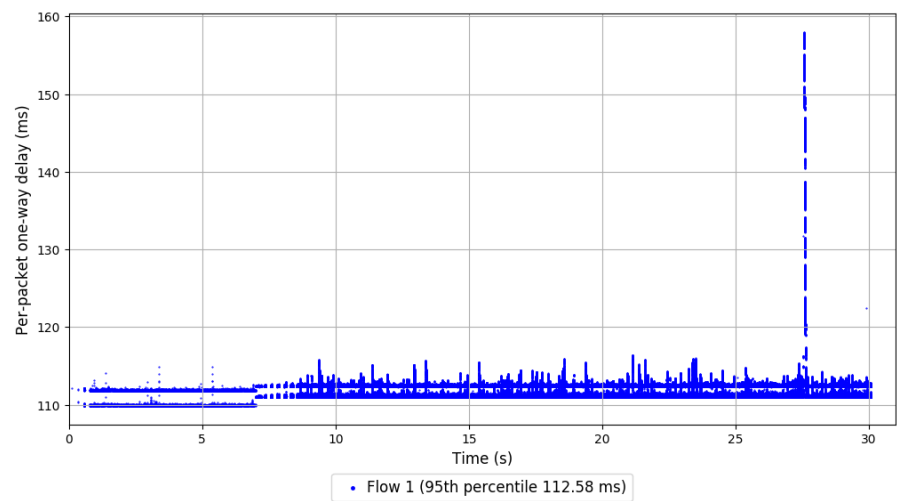
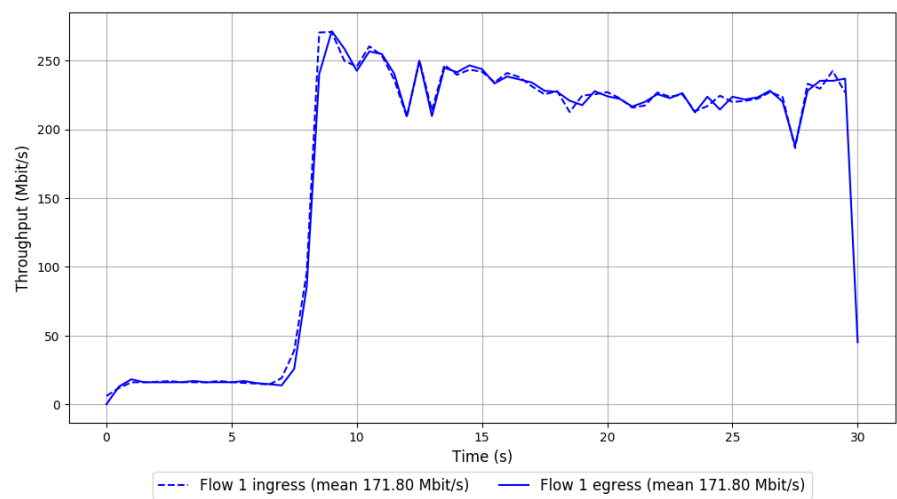
-- Flow 1:

Average throughput: 171.80 Mbit/s

95th percentile per-packet one-way delay: 112.576 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-27 09:35:32

End at: 2018-02-27 09:36:02

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.51 Mbit/s

95th percentile per-packet one-way delay: 112.358 ms

Loss rate: 0.00%

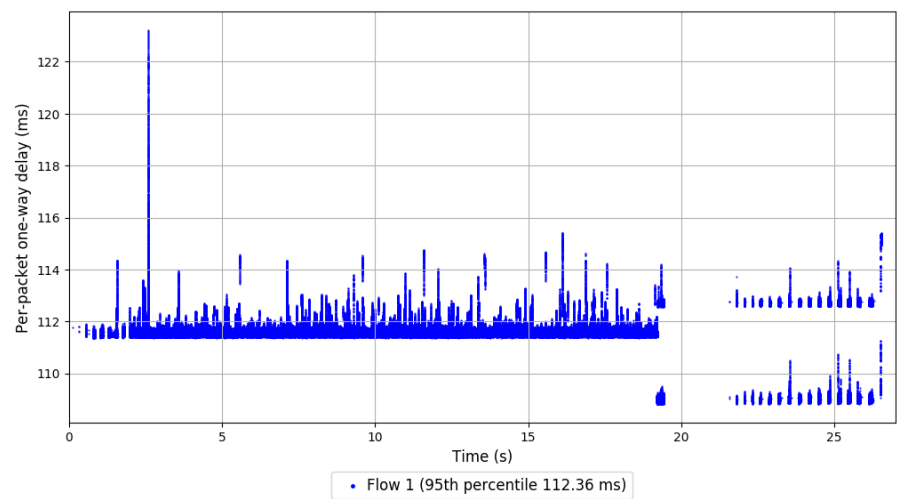
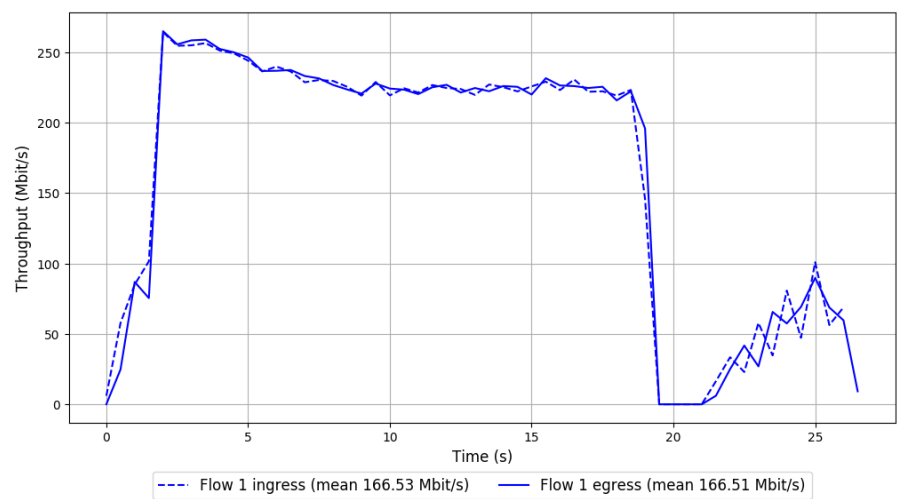
-- Flow 1:

Average throughput: 166.51 Mbit/s

95th percentile per-packet one-way delay: 112.358 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-27 09:51:21

End at: 2018-02-27 09:51:51

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.31 Mbit/s

95th percentile per-packet one-way delay: 112.943 ms

Loss rate: 0.00%

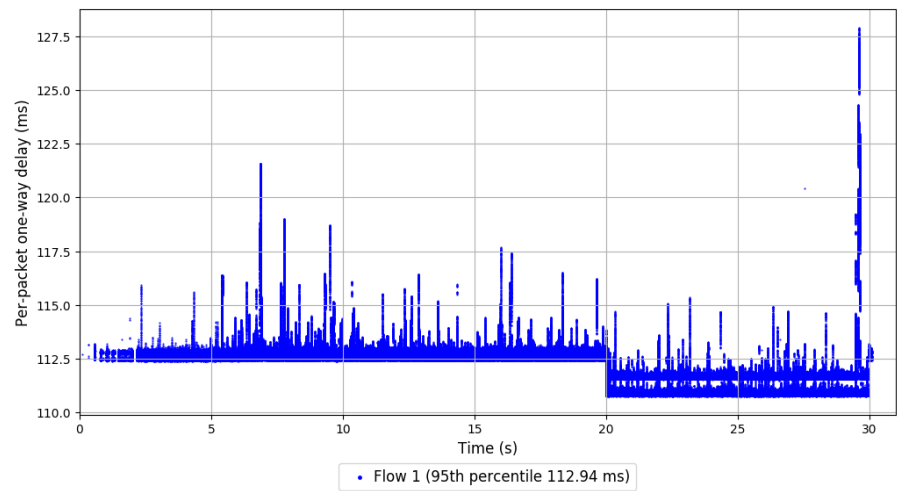
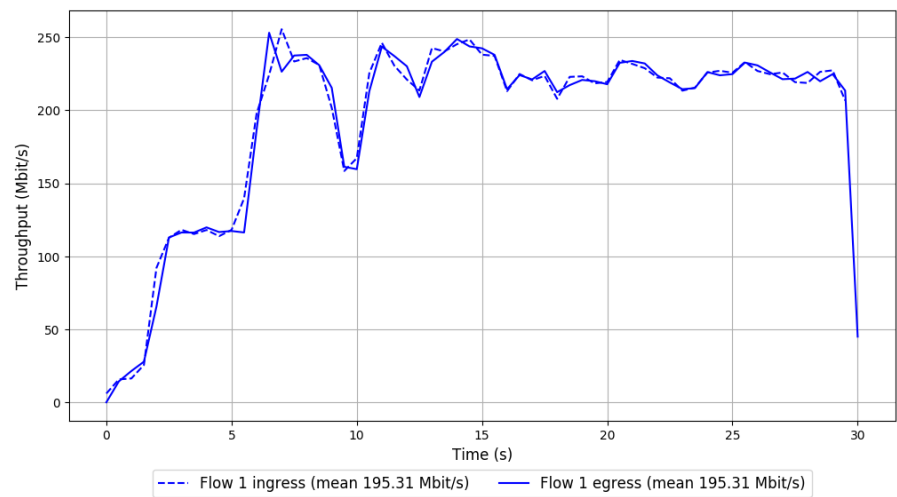
-- Flow 1:

Average throughput: 195.31 Mbit/s

95th percentile per-packet one-way delay: 112.943 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

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

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

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 113.443 ms

Loss rate: 0.00%

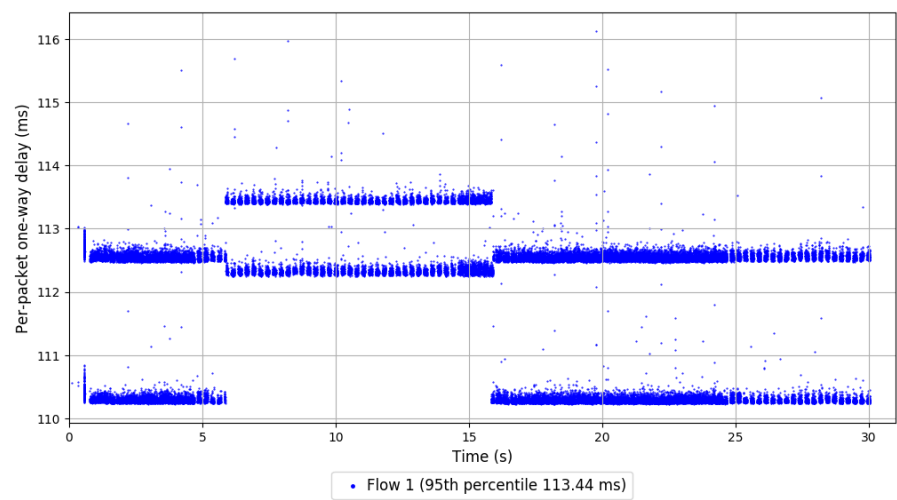
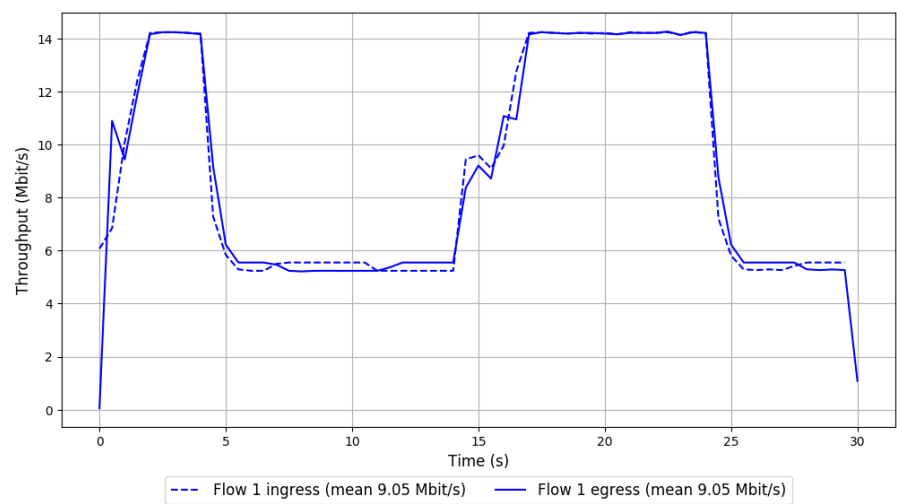
-- Flow 1:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 113.443 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-27 10:22:19

End at: 2018-02-27 10:22:49

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.11 Mbit/s

95th percentile per-packet one-way delay: 112.322 ms

Loss rate: 0.00%

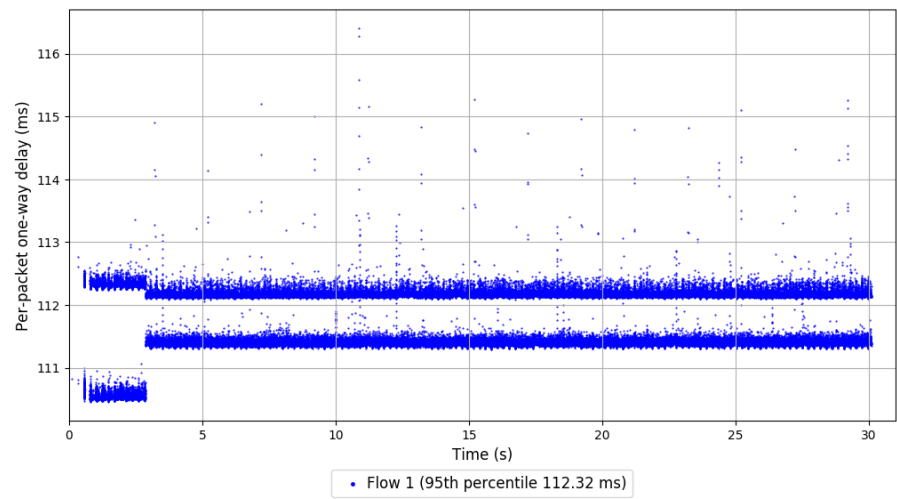
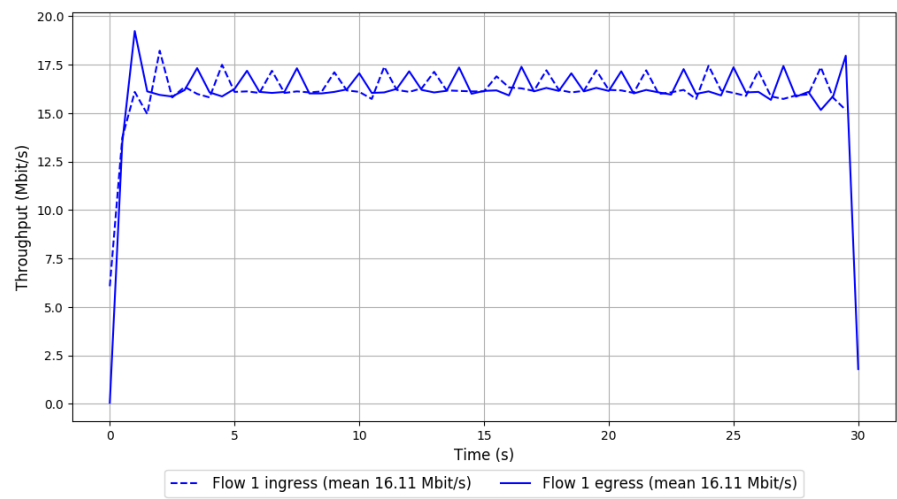
-- Flow 1:

Average throughput: 16.11 Mbit/s

95th percentile per-packet one-way delay: 112.322 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-27 10:37:44

End at: 2018-02-27 10:38:14

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 114.191 ms

Loss rate: 0.00%

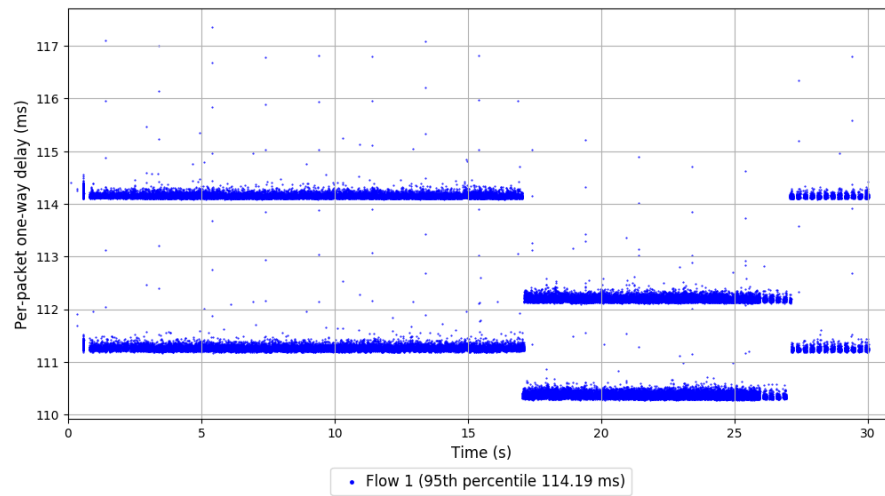
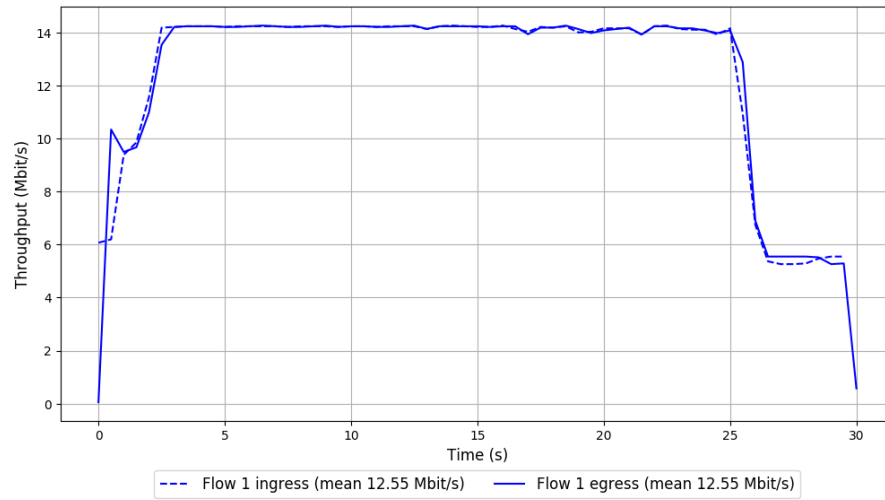
-- Flow 1:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 114.191 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-27 10:53:02

End at: 2018-02-27 10:53:32

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.23 Mbit/s

95th percentile per-packet one-way delay: 112.410 ms

Loss rate: 0.00%

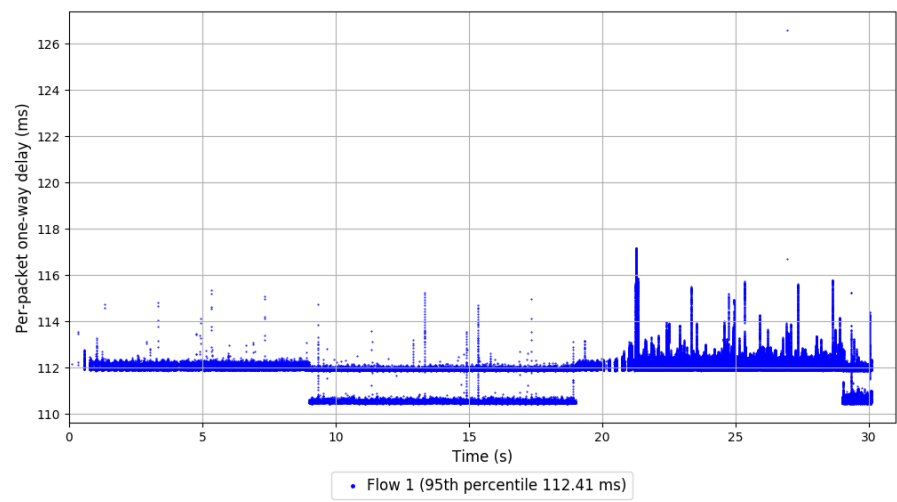
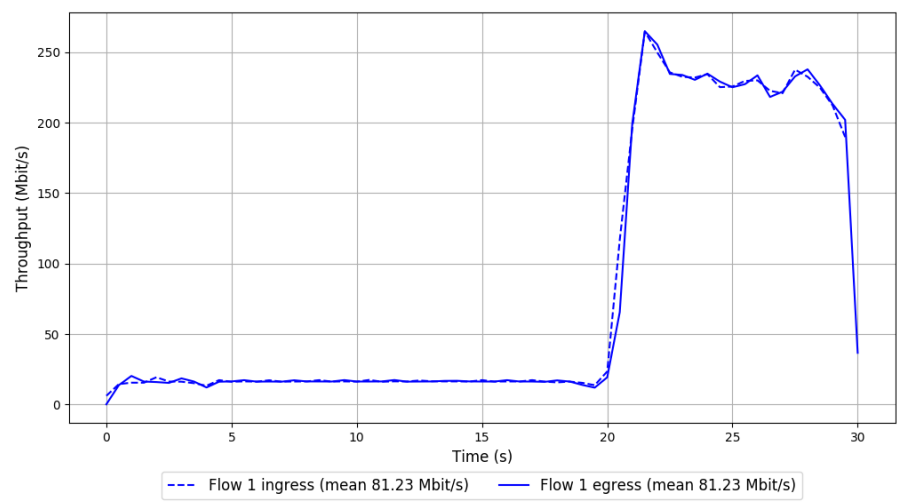
-- Flow 1:

Average throughput: 81.23 Mbit/s

95th percentile per-packet one-way delay: 112.410 ms

Loss rate: 0.00%

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

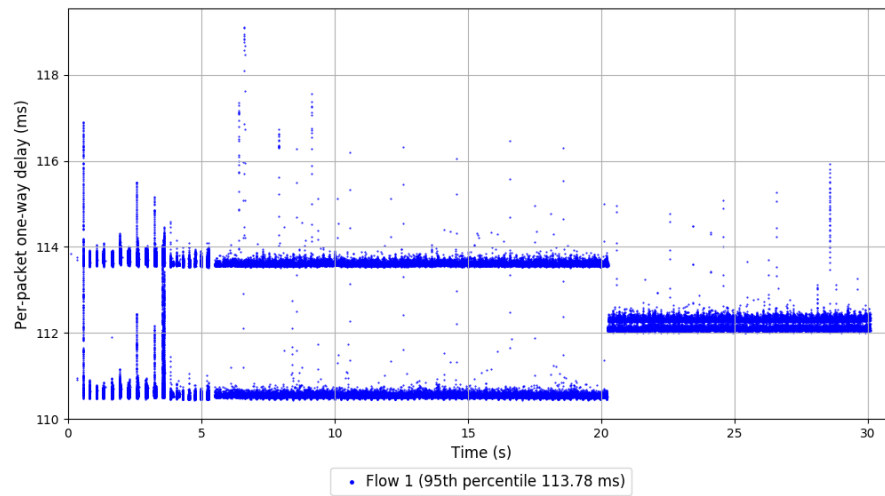
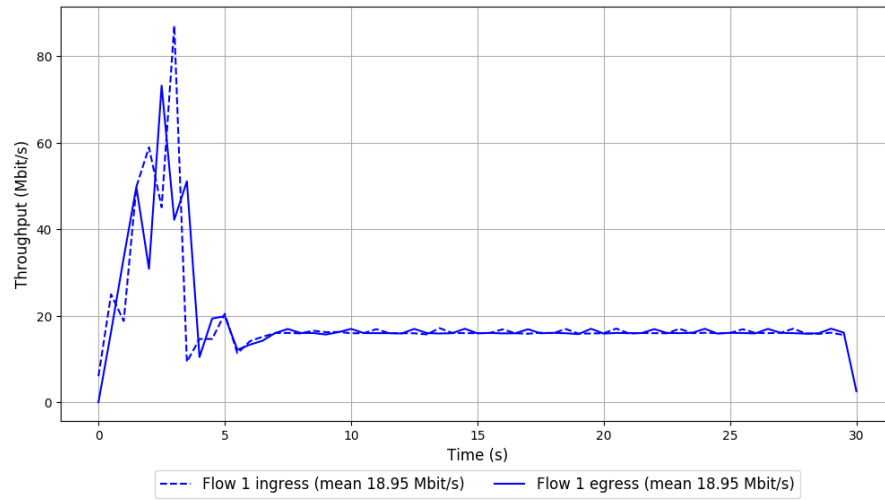


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-27 11:08:31
End at: 2018-02-27 11:09:01

# Below is generated by plot.py at 2018-02-27 13:03:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 113.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 113.777 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-27 08:56:16

End at: 2018-02-27 08:56:46

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.18 Mbit/s

95th percentile per-packet one-way delay: 116.269 ms

Loss rate: 0.00%

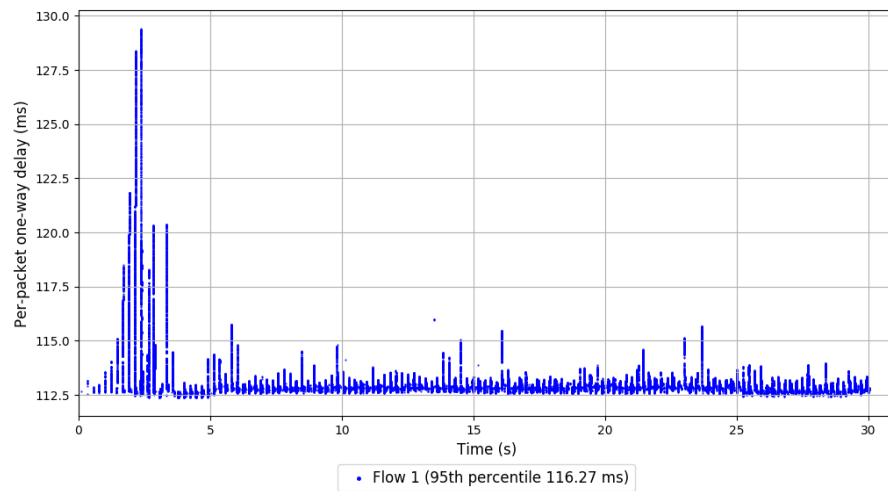
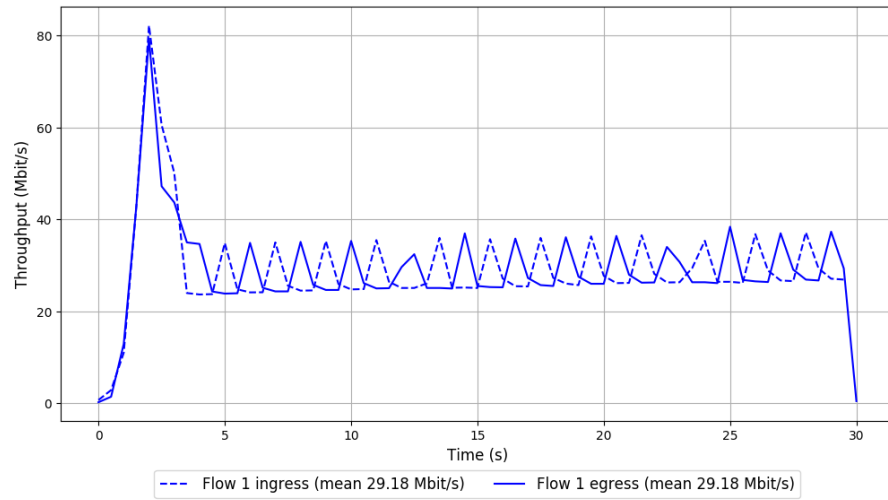
-- Flow 1:

Average throughput: 29.18 Mbit/s

95th percentile per-packet one-way delay: 116.269 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-27 09:11:24

End at: 2018-02-27 09:11:54

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.76 Mbit/s

95th percentile per-packet one-way delay: 113.394 ms

Loss rate: 0.00%

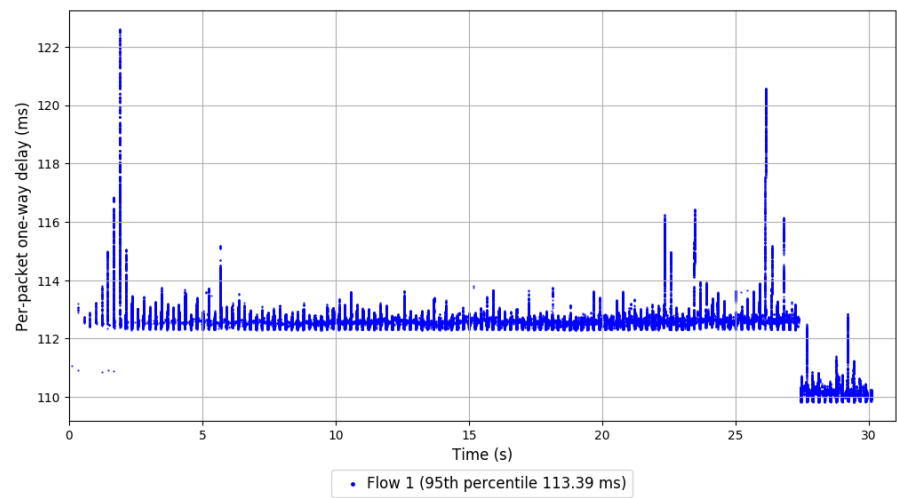
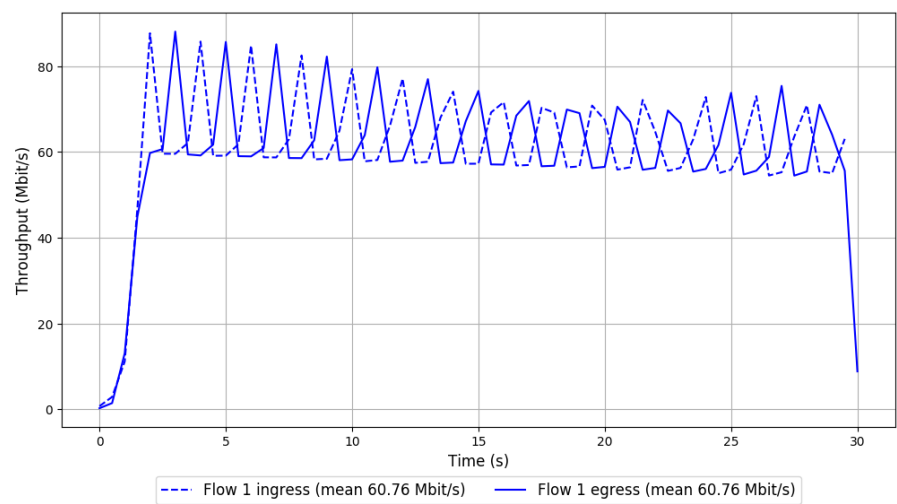
-- Flow 1:

Average throughput: 60.76 Mbit/s

95th percentile per-packet one-way delay: 113.394 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-27 09:27:19

End at: 2018-02-27 09:27:49

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 119.263 ms

Loss rate: 0.00%

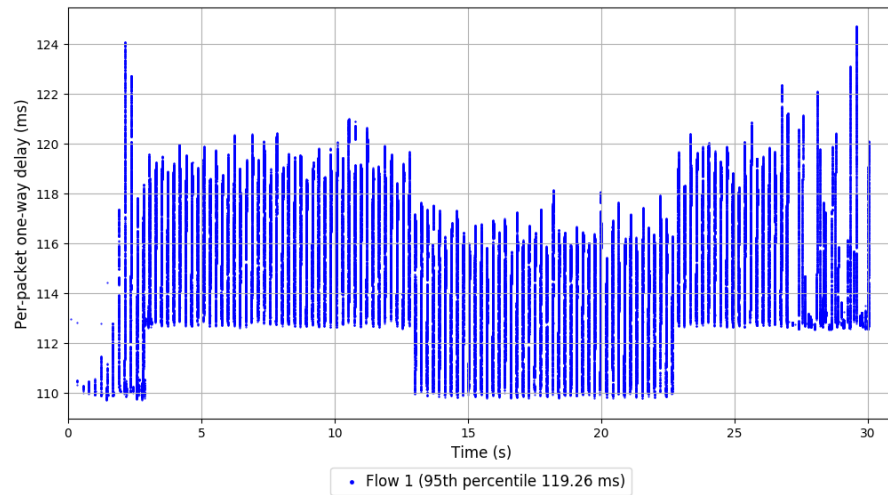
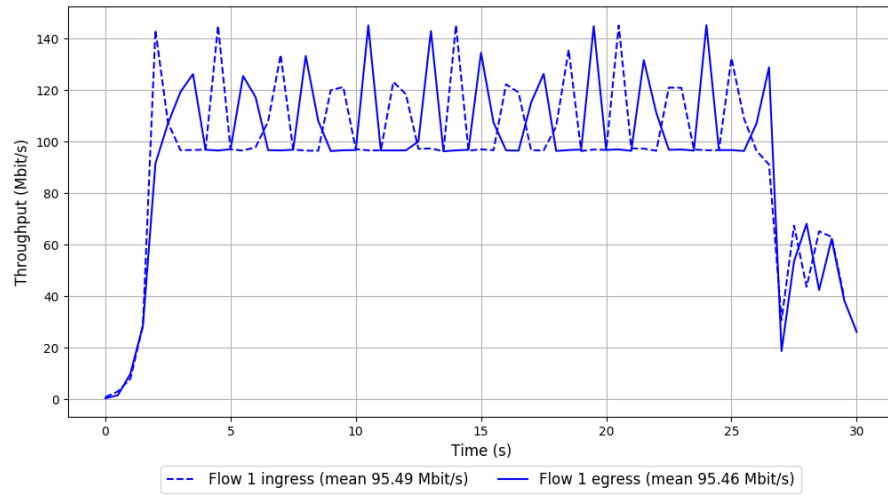
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 119.263 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-27 09:43:09

End at: 2018-02-27 09:43:39

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.71 Mbit/s

95th percentile per-packet one-way delay: 119.323 ms

Loss rate: 0.00%

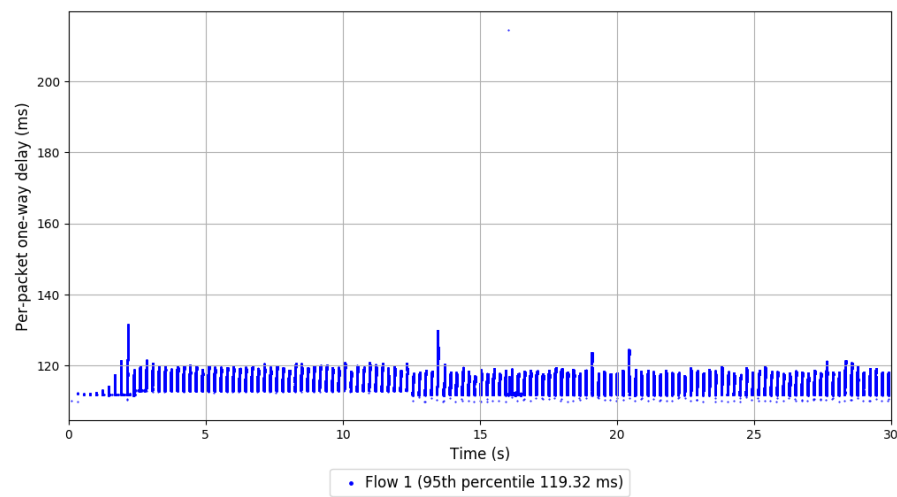
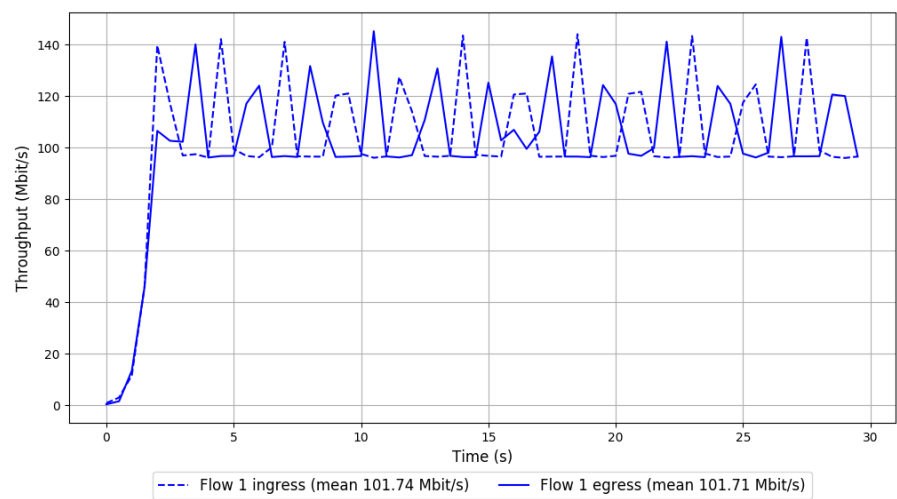
-- Flow 1:

Average throughput: 101.71 Mbit/s

95th percentile per-packet one-way delay: 119.323 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-27 09:59:02

End at: 2018-02-27 09:59:32

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.77 Mbit/s

95th percentile per-packet one-way delay: 115.123 ms

Loss rate: 0.01%

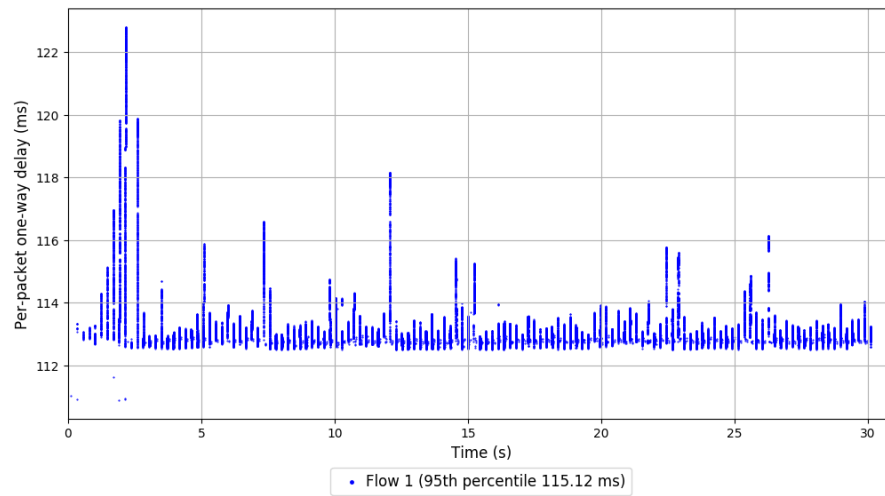
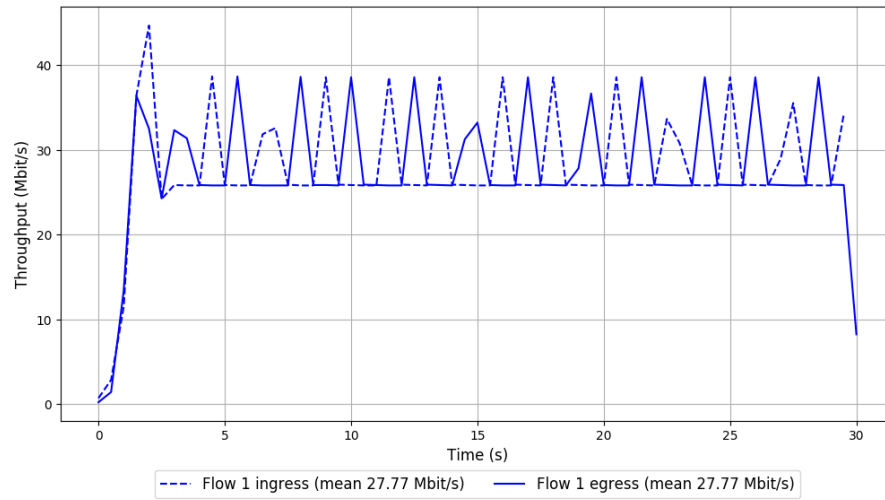
-- Flow 1:

Average throughput: 27.77 Mbit/s

95th percentile per-packet one-way delay: 115.123 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-27 10:14:27

End at: 2018-02-27 10:14:57

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.96 Mbit/s

95th percentile per-packet one-way delay: 114.873 ms

Loss rate: 0.00%

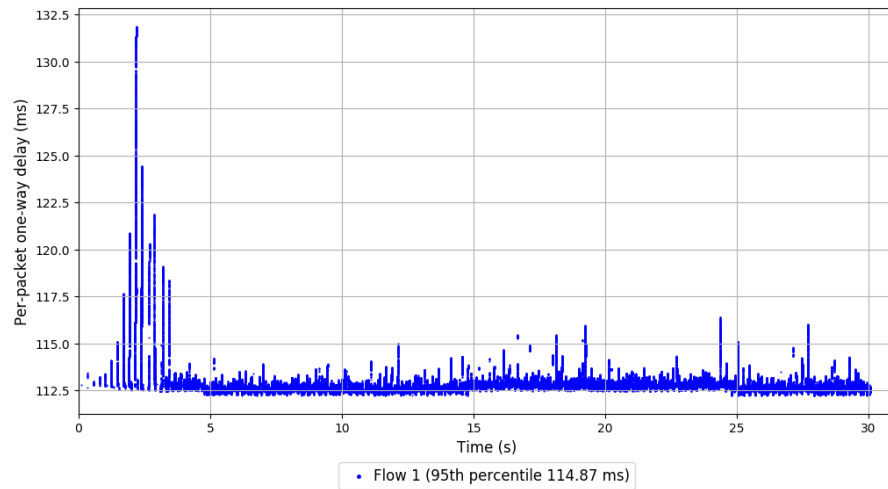
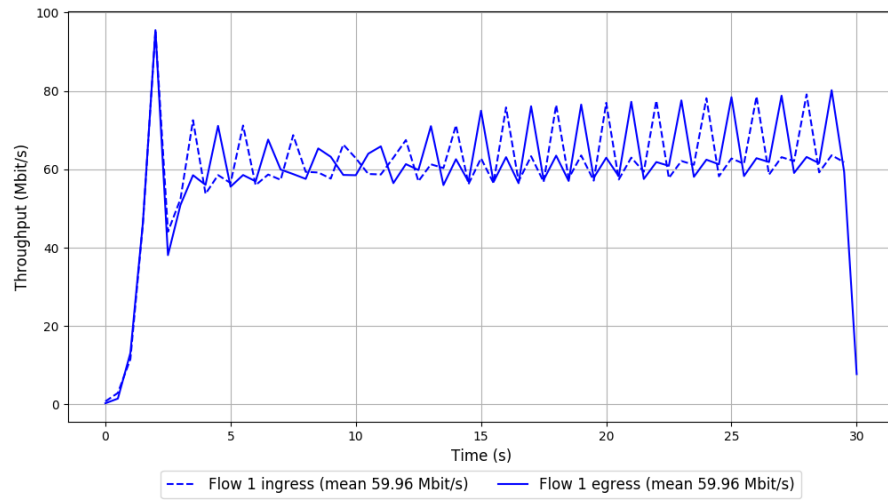
-- Flow 1:

Average throughput: 59.96 Mbit/s

95th percentile per-packet one-way delay: 114.873 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-27 10:29:33

End at: 2018-02-27 10:30:03

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.98 Mbit/s

95th percentile per-packet one-way delay: 113.398 ms

Loss rate: 0.00%

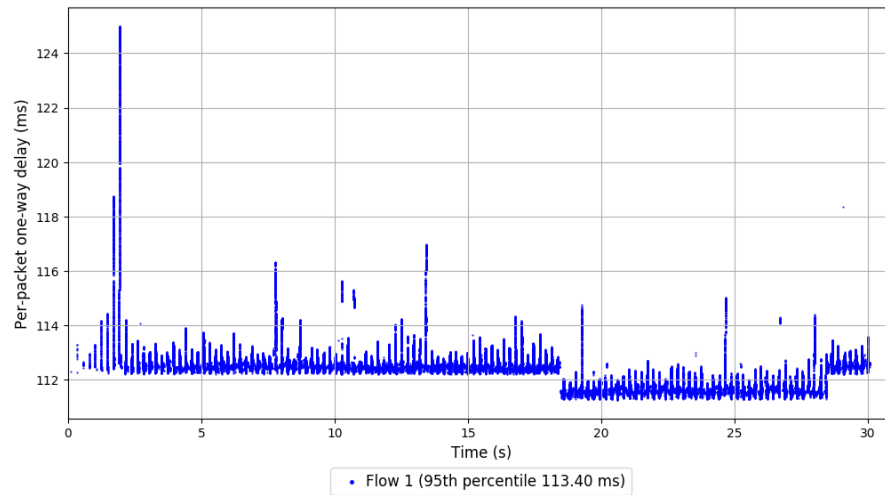
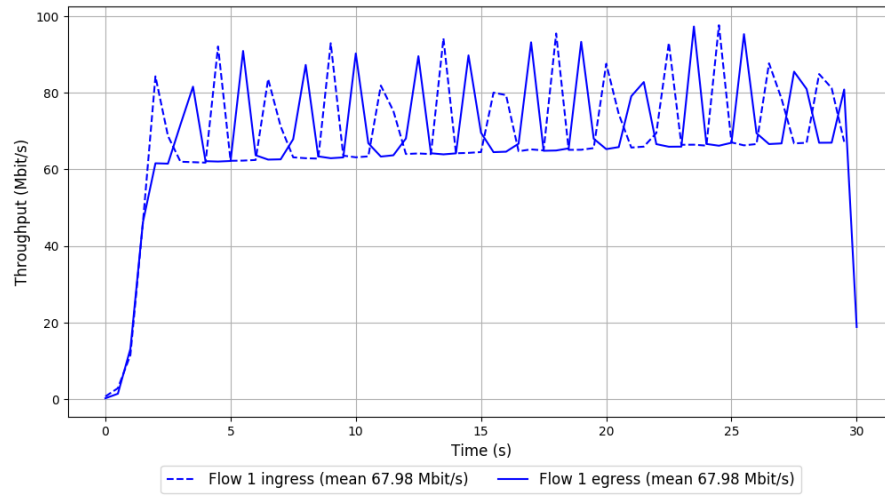
-- Flow 1:

Average throughput: 67.98 Mbit/s

95th percentile per-packet one-way delay: 113.398 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-27 10:45:03

End at: 2018-02-27 10:45:33

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.03 Mbit/s

95th percentile per-packet one-way delay: 113.527 ms

Loss rate: 0.00%

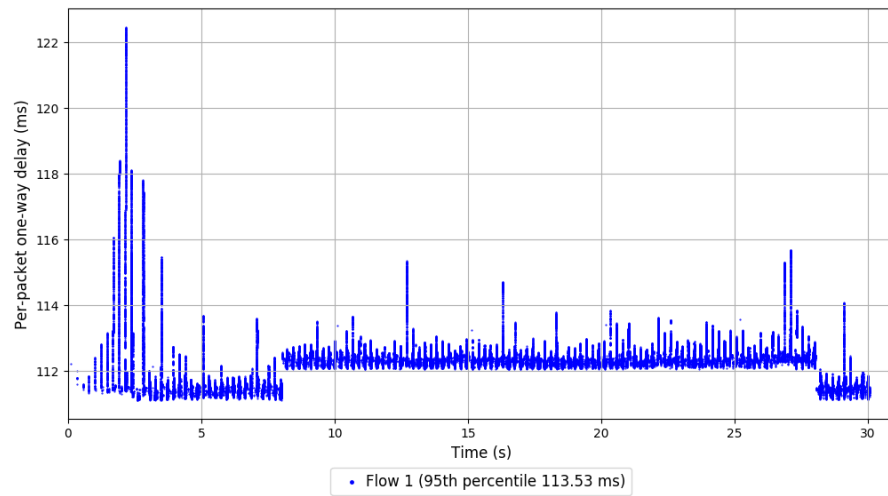
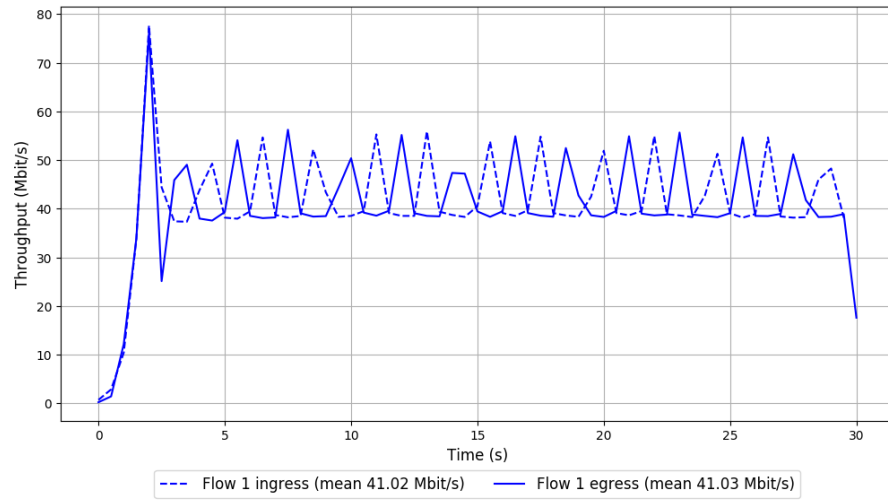
-- Flow 1:

Average throughput: 41.03 Mbit/s

95th percentile per-packet one-way delay: 113.527 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-27 11:00:27

End at: 2018-02-27 11:00:57

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.67 Mbit/s

95th percentile per-packet one-way delay: 113.589 ms

Loss rate: 0.00%

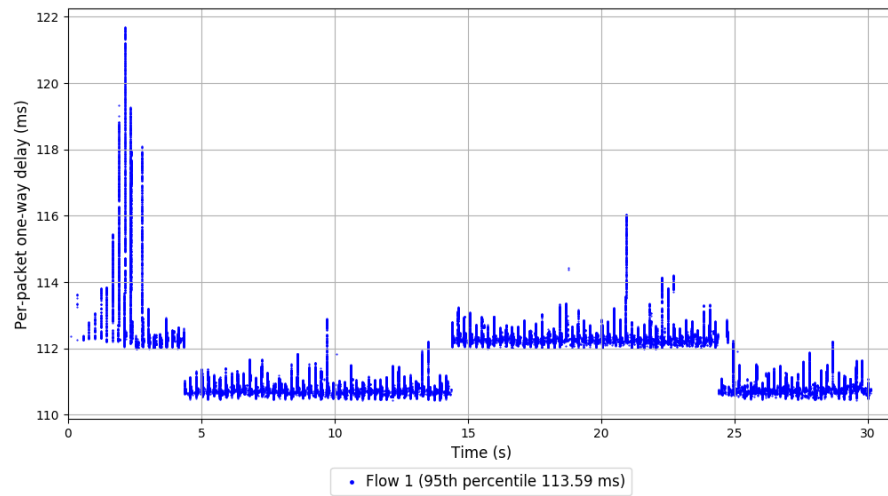
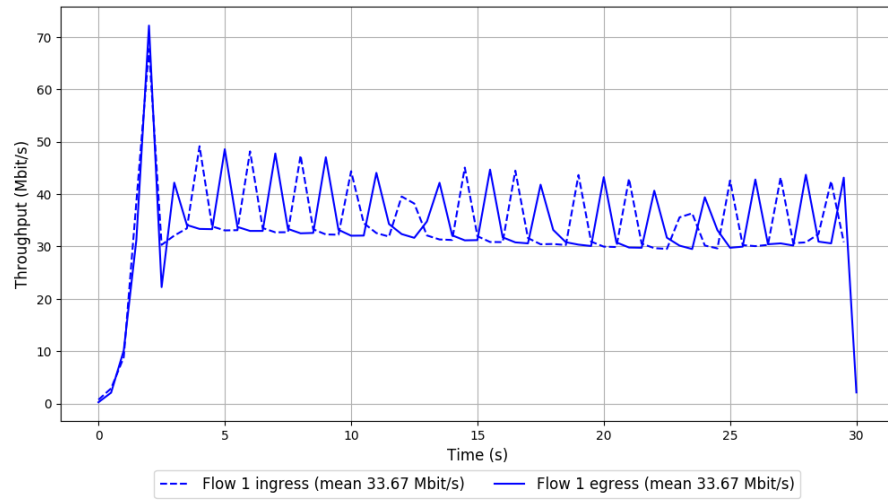
-- Flow 1:

Average throughput: 33.67 Mbit/s

95th percentile per-packet one-way delay: 113.589 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-27 11:15:47

End at: 2018-02-27 11:16:18

Below is generated by plot.py at 2018-02-27 13:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 118.677 ms

Loss rate: 0.00%

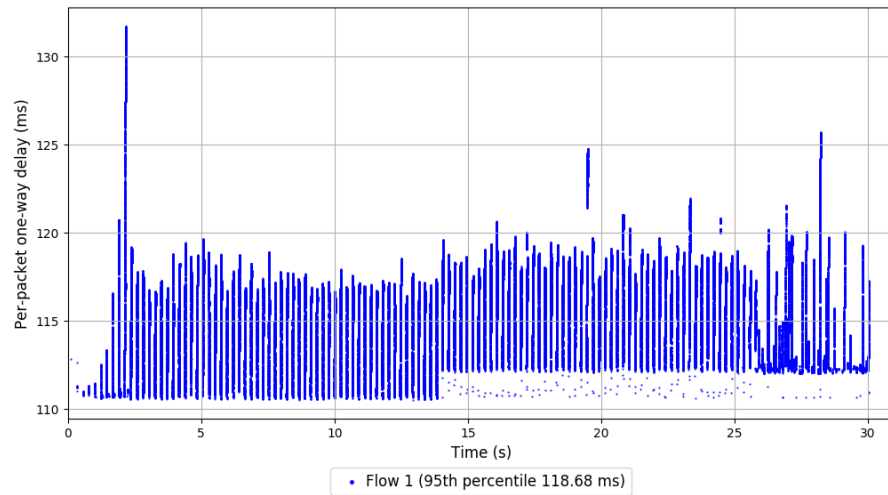
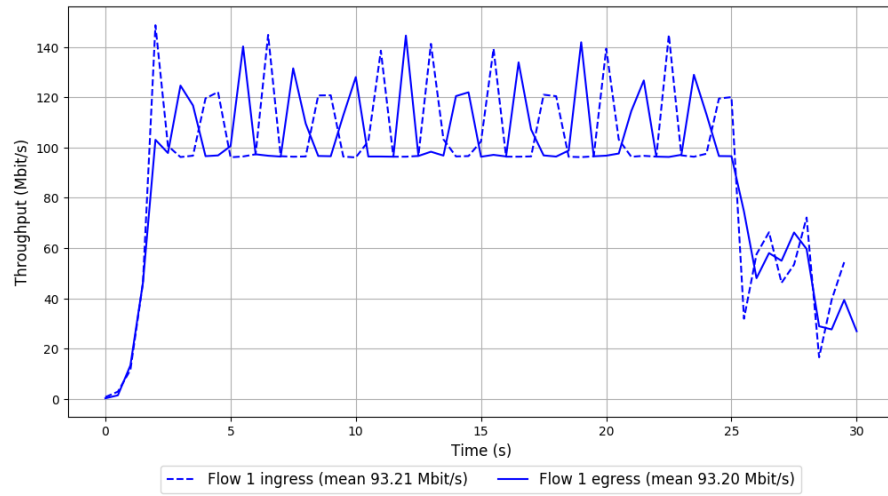
-- Flow 1:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 118.677 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-27 08:45:32

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

Below is generated by plot.py at 2018-02-27 13:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.51 Mbit/s

95th percentile per-packet one-way delay: 136.575 ms

Loss rate: 0.00%

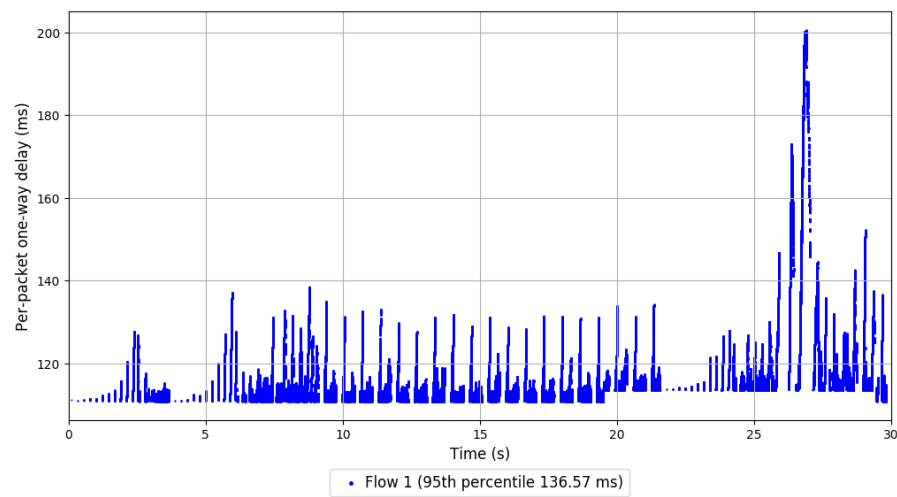
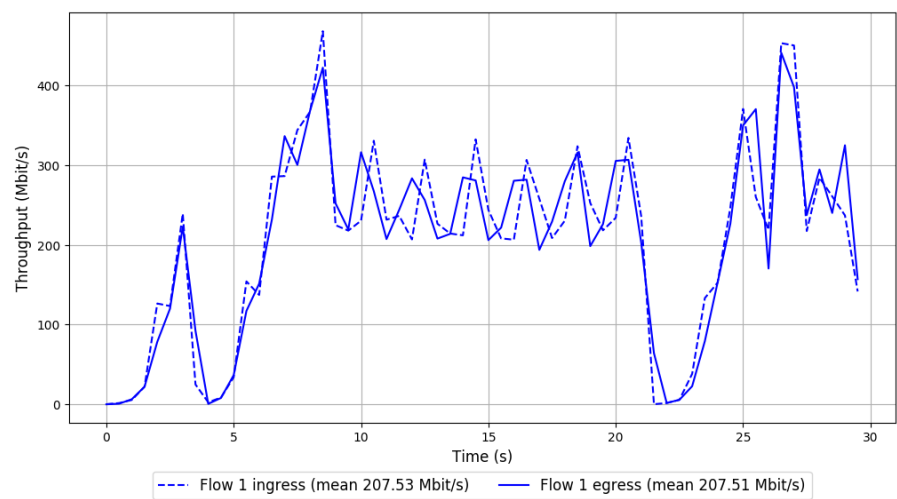
-- Flow 1:

Average throughput: 207.51 Mbit/s

95th percentile per-packet one-way delay: 136.575 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-27 09:00:48

End at: 2018-02-27 09:01:18

Below is generated by plot.py at 2018-02-27 13:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.12 Mbit/s

95th percentile per-packet one-way delay: 142.465 ms

Loss rate: 0.00%

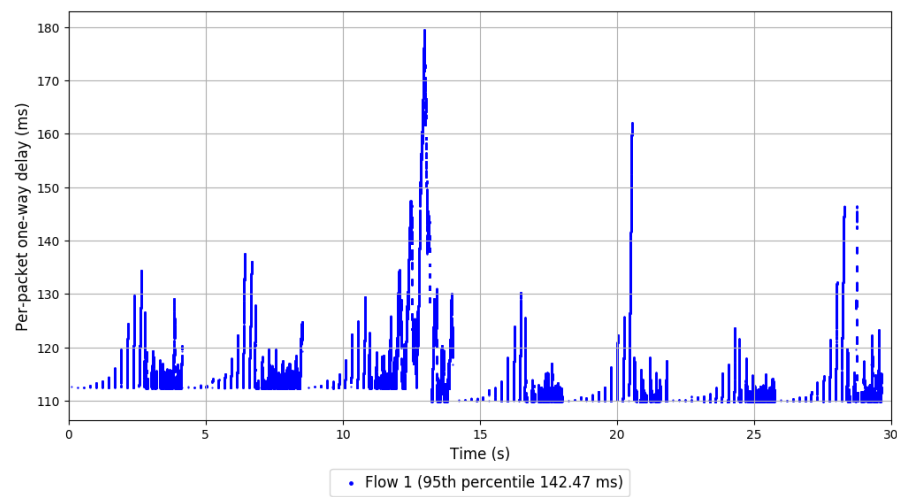
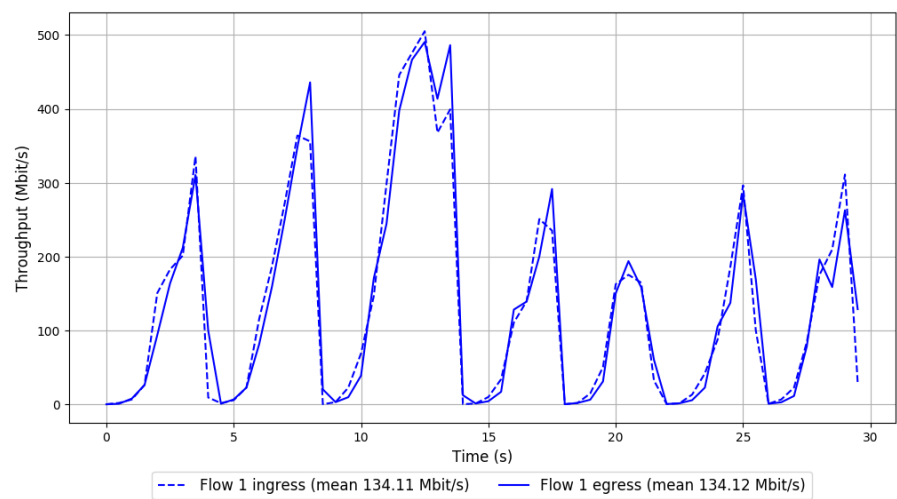
-- Flow 1:

Average throughput: 134.12 Mbit/s

95th percentile per-packet one-way delay: 142.465 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-27 09:16:23

End at: 2018-02-27 09:16:53

Below is generated by plot.py at 2018-02-27 13:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.06 Mbit/s

95th percentile per-packet one-way delay: 228.831 ms

Loss rate: 0.50%

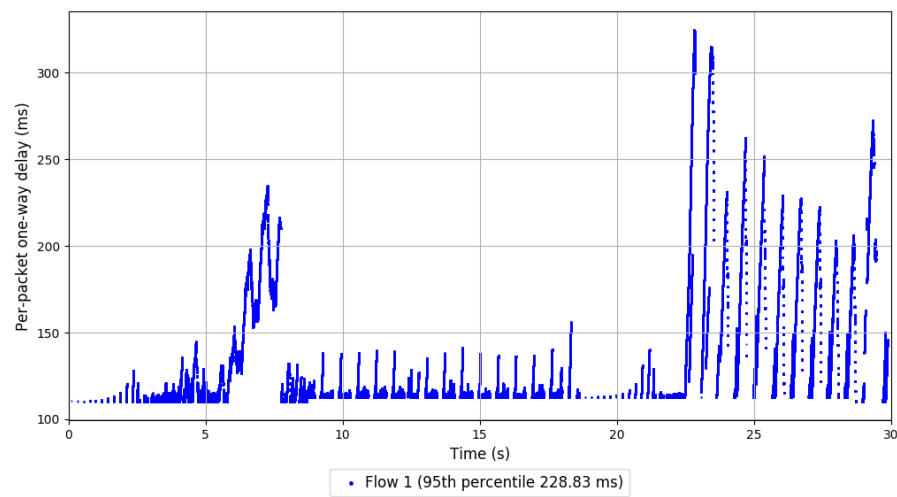
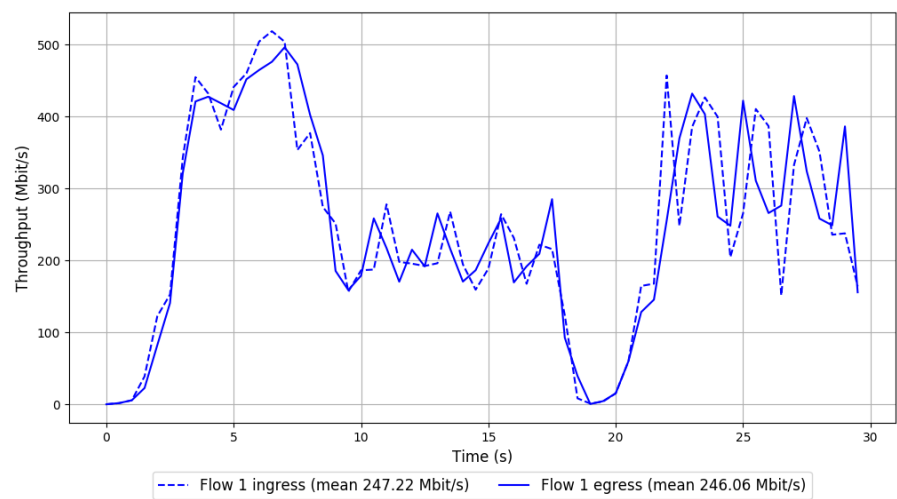
-- Flow 1:

Average throughput: 246.06 Mbit/s

95th percentile per-packet one-way delay: 228.831 ms

Loss rate: 0.50%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-27 09:32:05

End at: 2018-02-27 09:32:35

Below is generated by plot.py at 2018-02-27 13:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.47 Mbit/s

95th percentile per-packet one-way delay: 151.831 ms

Loss rate: 0.04%

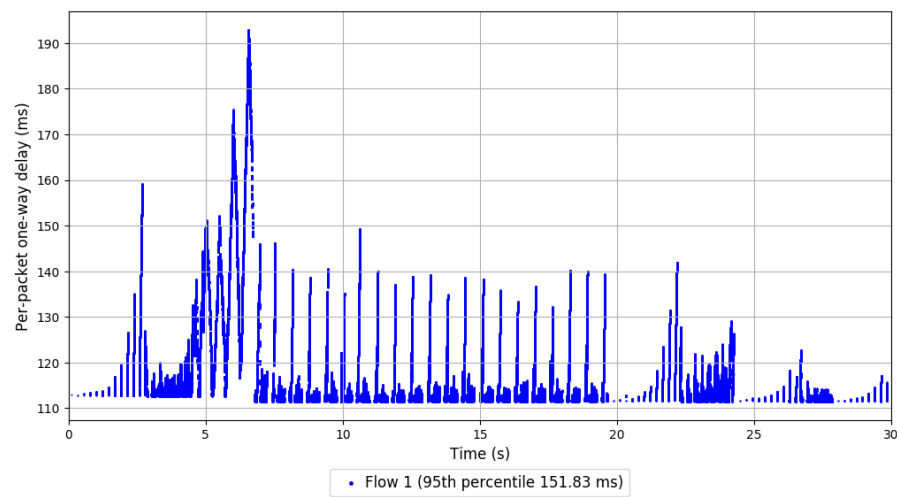
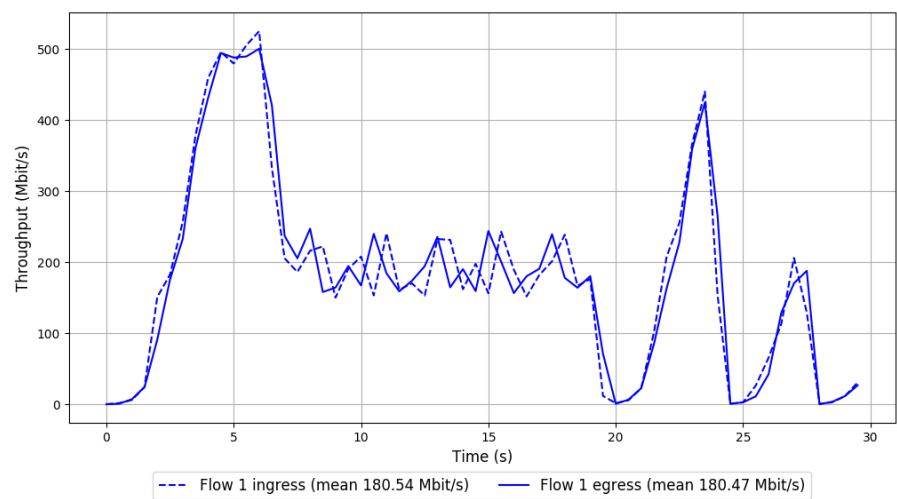
-- Flow 1:

Average throughput: 180.47 Mbit/s

95th percentile per-packet one-way delay: 151.831 ms

Loss rate: 0.04%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-27 09:47:54

End at: 2018-02-27 09:48:24

Below is generated by plot.py at 2018-02-27 13:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.98 Mbit/s

95th percentile per-packet one-way delay: 241.069 ms

Loss rate: 0.47%

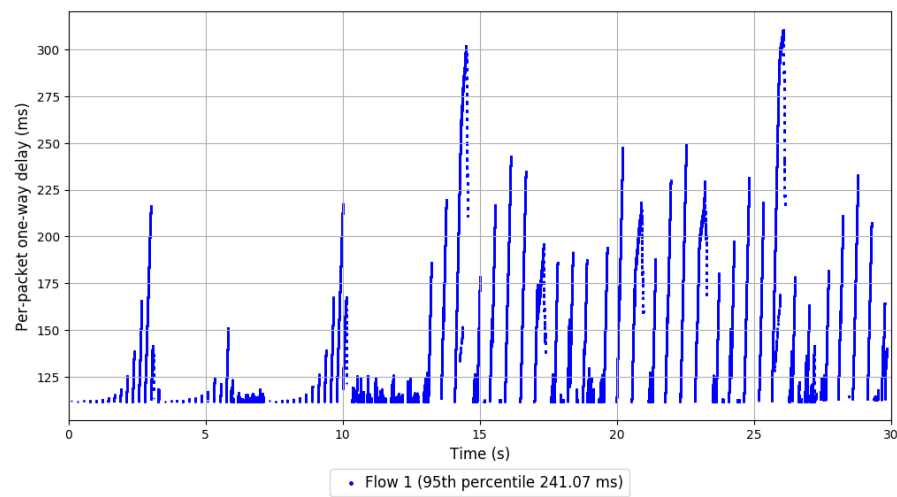
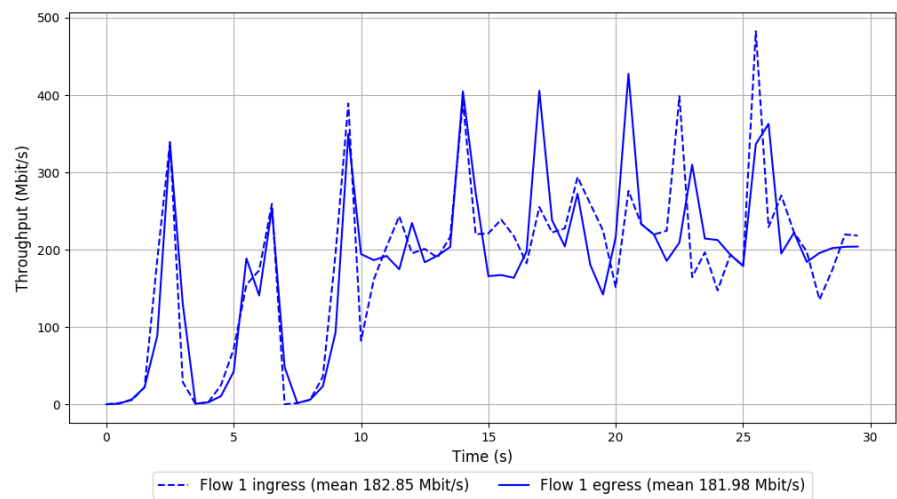
-- Flow 1:

Average throughput: 181.98 Mbit/s

95th percentile per-packet one-way delay: 241.069 ms

Loss rate: 0.47%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-27 10:03:50

End at: 2018-02-27 10:04:20

Below is generated by plot.py at 2018-02-27 13:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.36 Mbit/s

95th percentile per-packet one-way delay: 162.787 ms

Loss rate: 0.00%

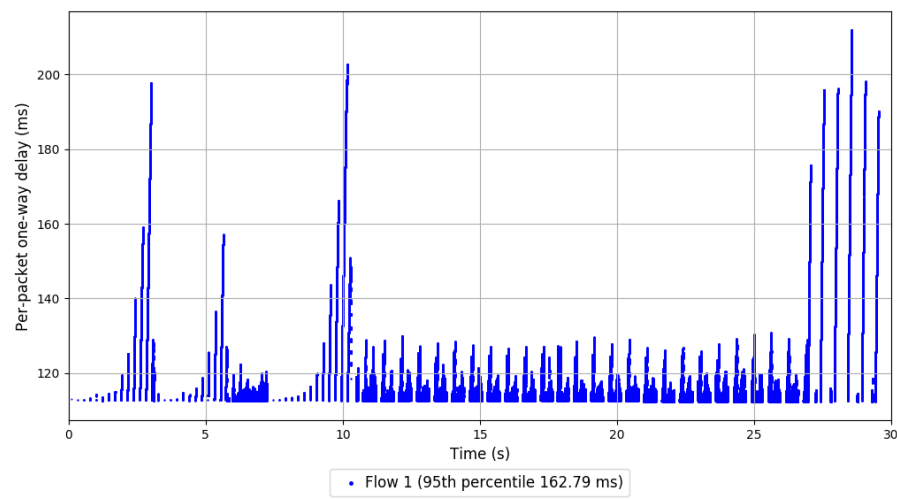
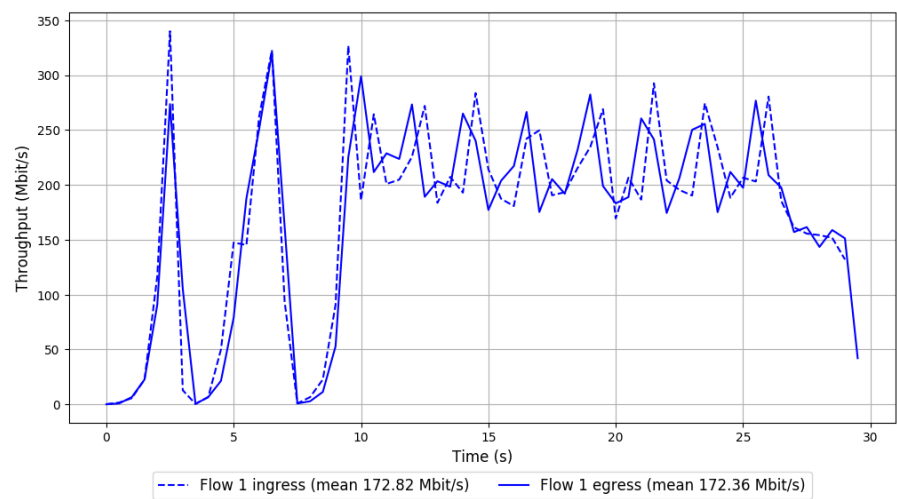
-- Flow 1:

Average throughput: 172.36 Mbit/s

95th percentile per-packet one-way delay: 162.787 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-27 10:19:04

End at: 2018-02-27 10:19:34

Below is generated by plot.py at 2018-02-27 13:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.84 Mbit/s

95th percentile per-packet one-way delay: 227.007 ms

Loss rate: 2.75%

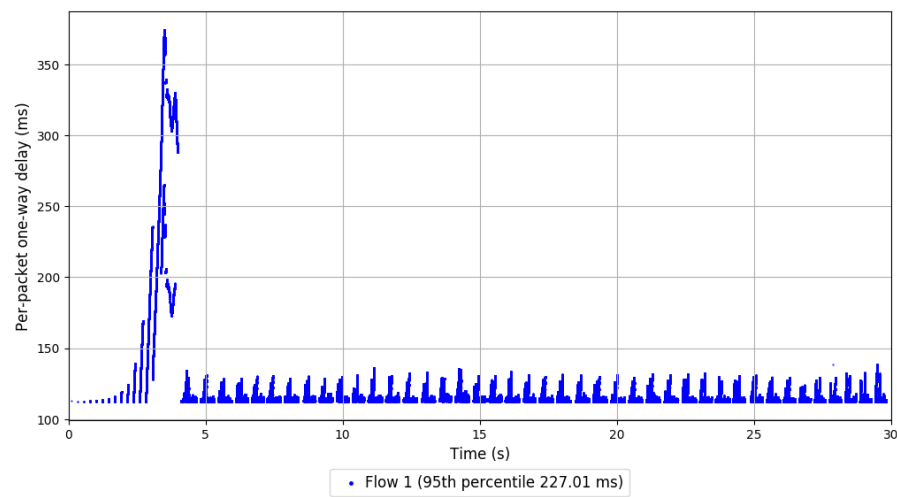
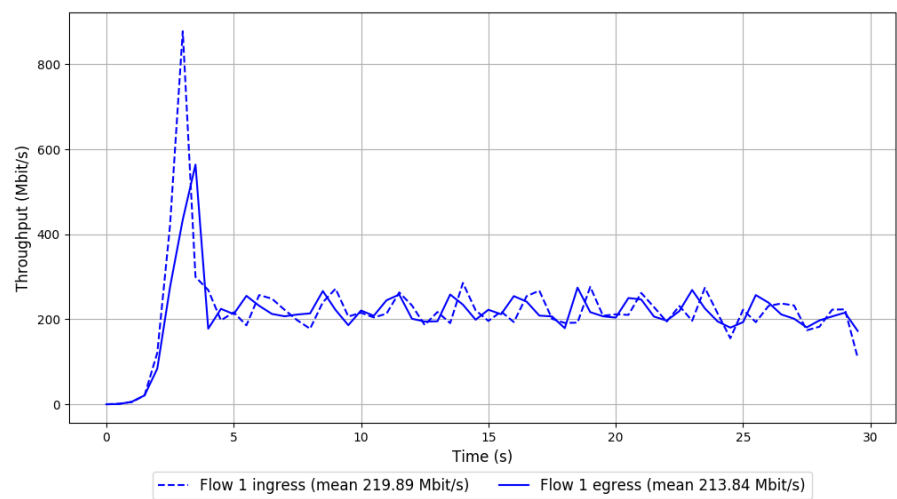
-- Flow 1:

Average throughput: 213.84 Mbit/s

95th percentile per-packet one-way delay: 227.007 ms

Loss rate: 2.75%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-27 10:34:16

End at: 2018-02-27 10:34:46

Below is generated by plot.py at 2018-02-27 13:08:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.48 Mbit/s

95th percentile per-packet one-way delay: 159.255 ms

Loss rate: 0.00%

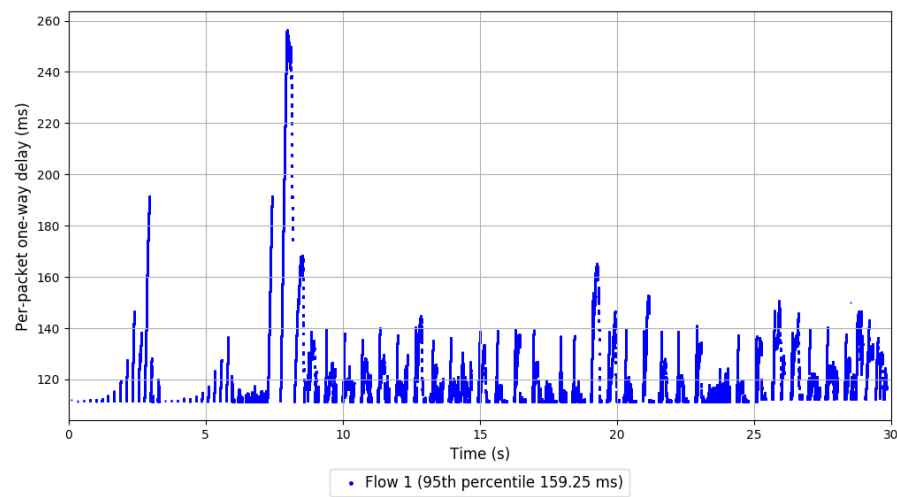
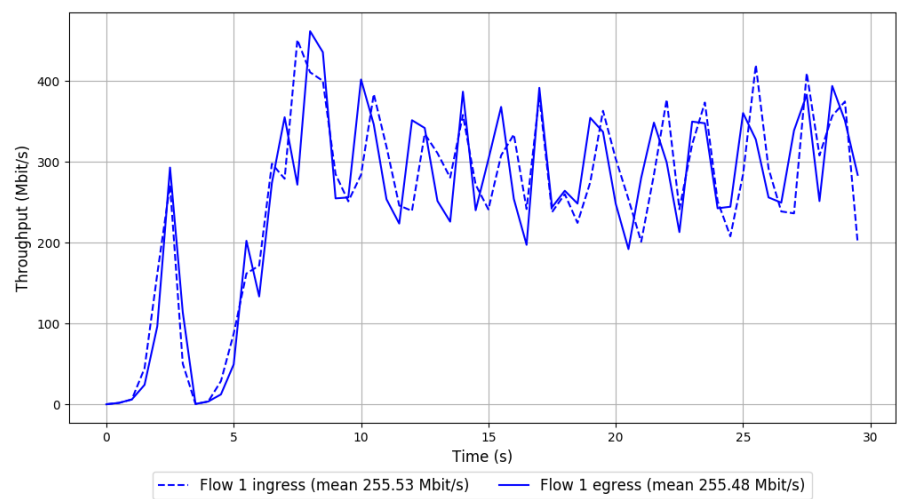
-- Flow 1:

Average throughput: 255.48 Mbit/s

95th percentile per-packet one-way delay: 159.255 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-27 10:49:40

End at: 2018-02-27 10:50:10

Below is generated by plot.py at 2018-02-27 13:08:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.72 Mbit/s

95th percentile per-packet one-way delay: 147.611 ms

Loss rate: 0.06%

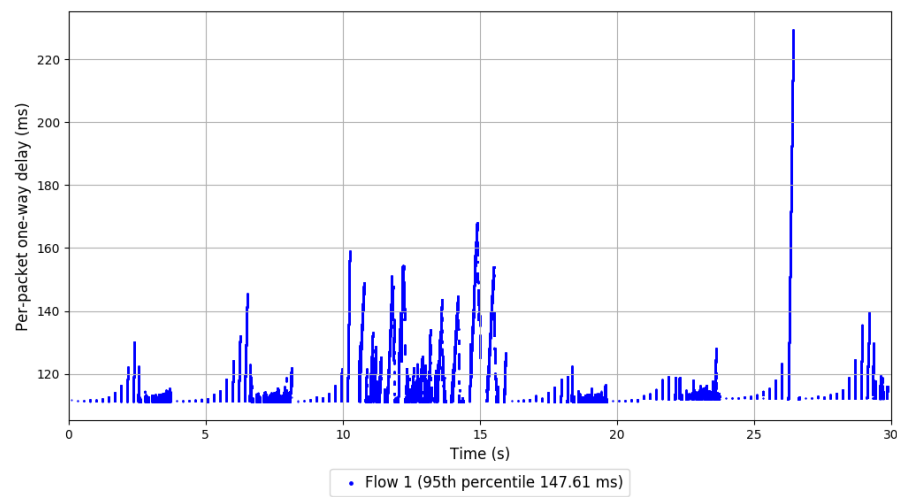
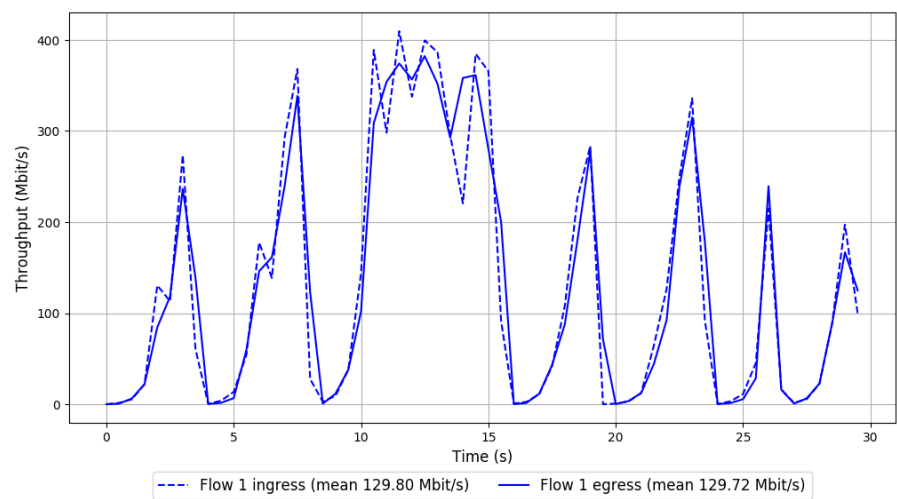
-- Flow 1:

Average throughput: 129.72 Mbit/s

95th percentile per-packet one-way delay: 147.611 ms

Loss rate: 0.06%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-27 11:05:04

End at: 2018-02-27 11:05:34

Below is generated by plot.py at 2018-02-27 13:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.55 Mbit/s

95th percentile per-packet one-way delay: 143.402 ms

Loss rate: 0.03%

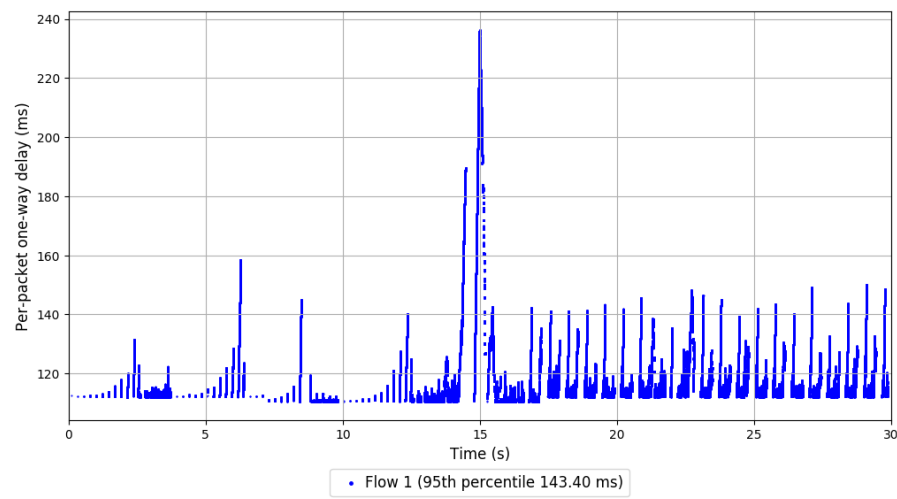
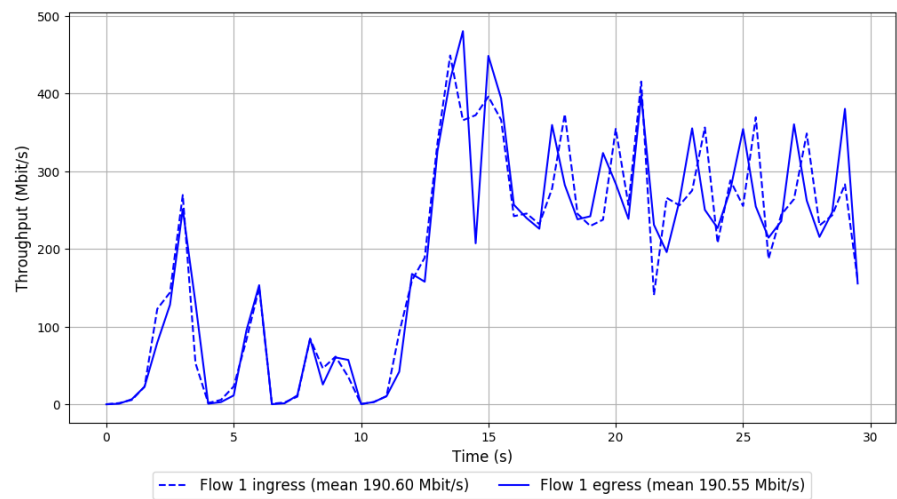
-- Flow 1:

Average throughput: 190.55 Mbit/s

95th percentile per-packet one-way delay: 143.402 ms

Loss rate: 0.03%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-27 08:59:07

End at: 2018-02-27 08:59:37

Below is generated by plot.py at 2018-02-27 13:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 114.655 ms

Loss rate: 0.00%

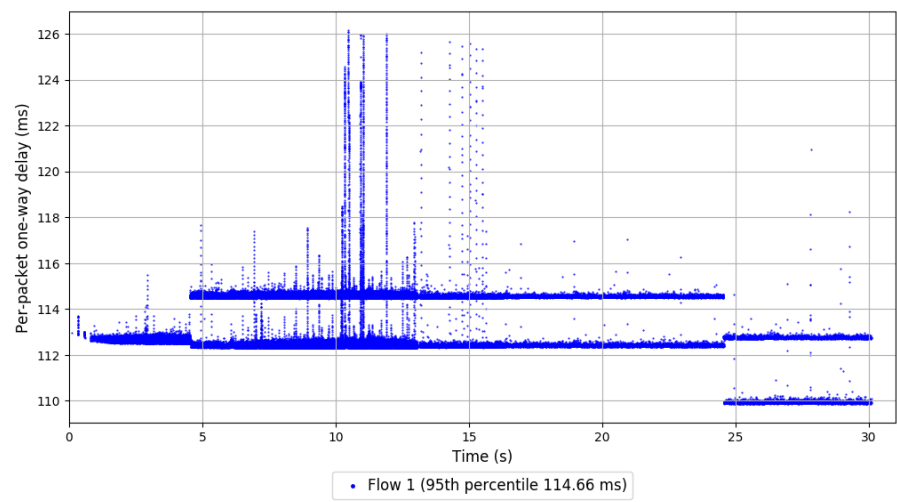
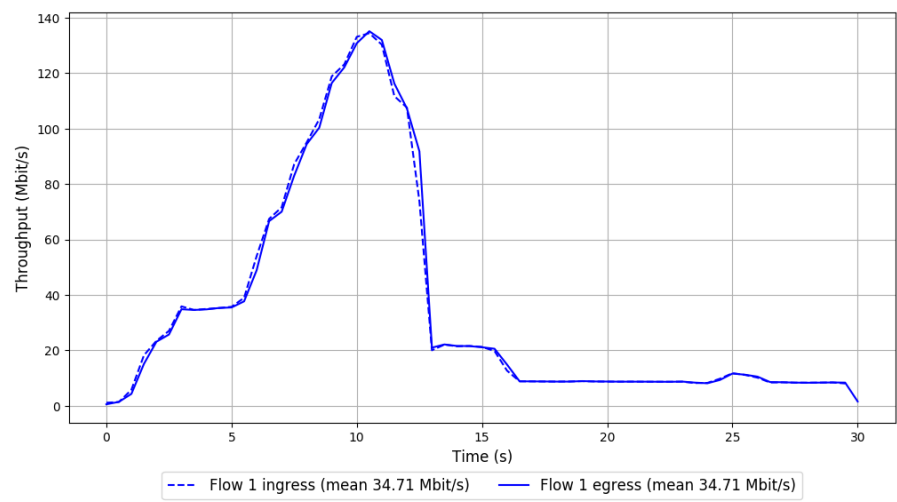
-- Flow 1:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 114.655 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-27 09:14:18

End at: 2018-02-27 09:14:48

Below is generated by plot.py at 2018-02-27 13:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: 112.941 ms

Loss rate: 0.00%

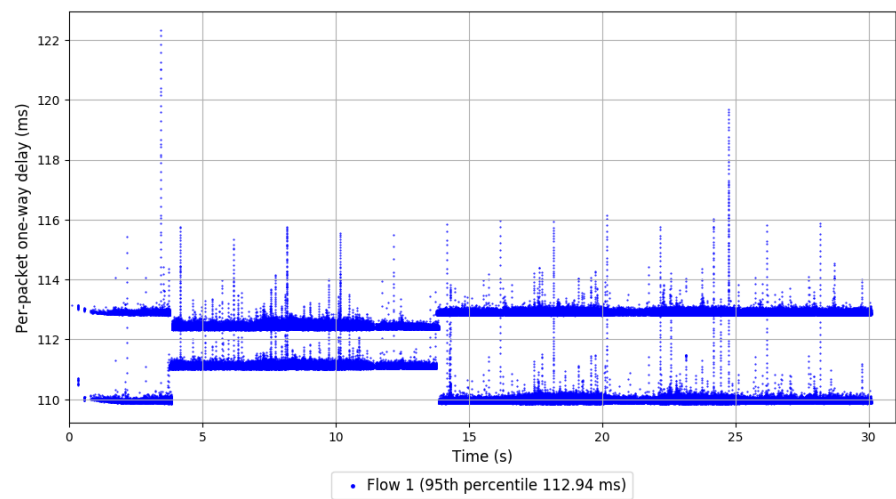
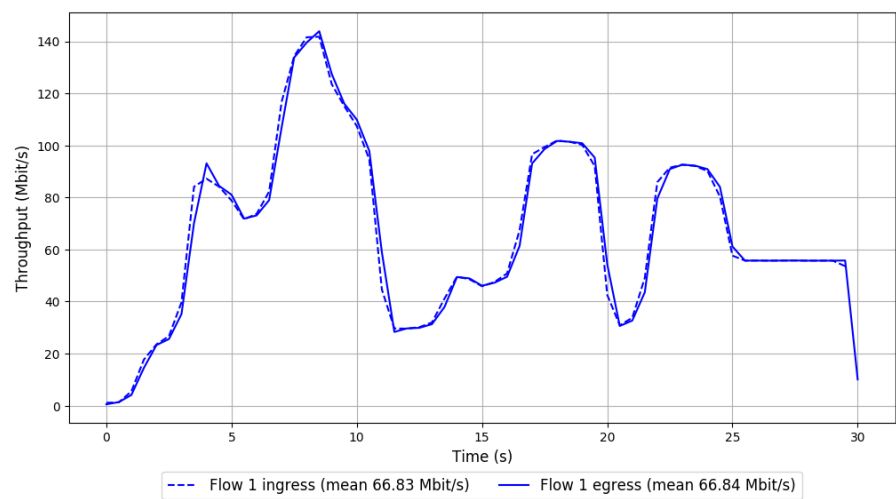
-- Flow 1:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: 112.941 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-27 09:30:13

End at: 2018-02-27 09:30:43

Below is generated by plot.py at 2018-02-27 13:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.39 Mbit/s

95th percentile per-packet one-way delay: 112.975 ms

Loss rate: 0.00%

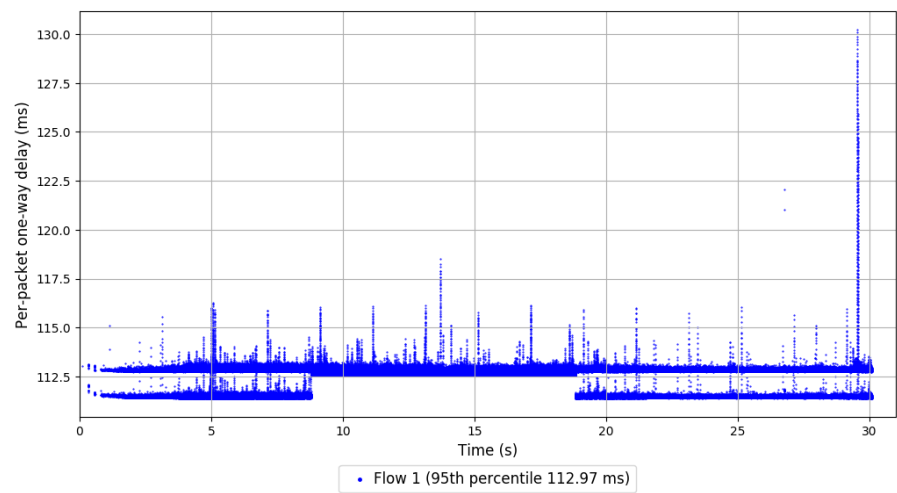
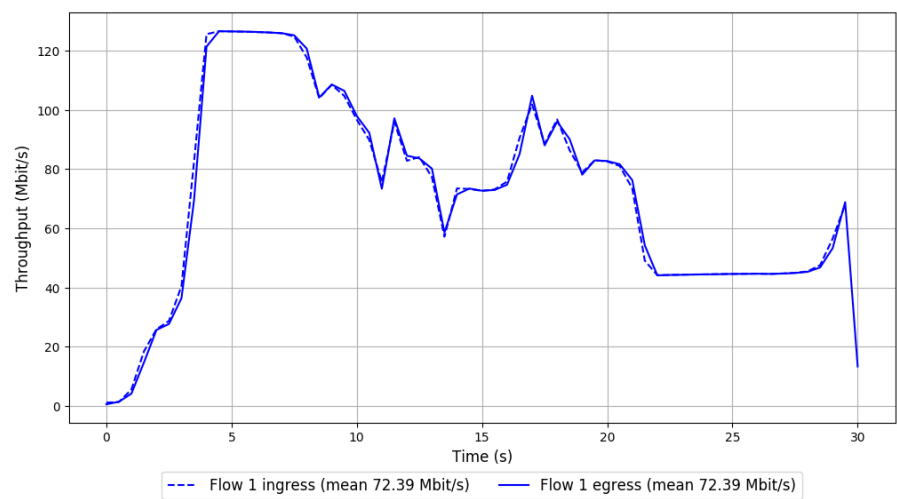
-- Flow 1:

Average throughput: 72.39 Mbit/s

95th percentile per-packet one-way delay: 112.975 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-27 09:46:04

End at: 2018-02-27 09:46:34

Below is generated by plot.py at 2018-02-27 13:09:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.28 Mbit/s

95th percentile per-packet one-way delay: 113.061 ms

Loss rate: 0.00%

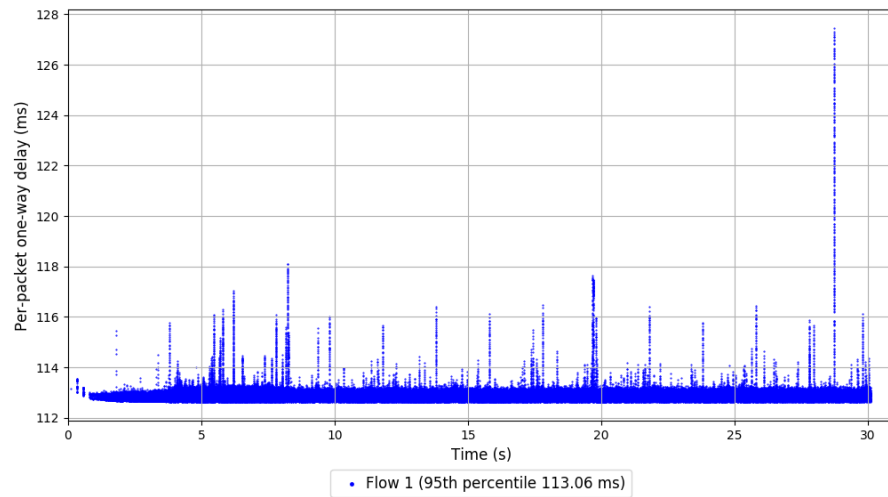
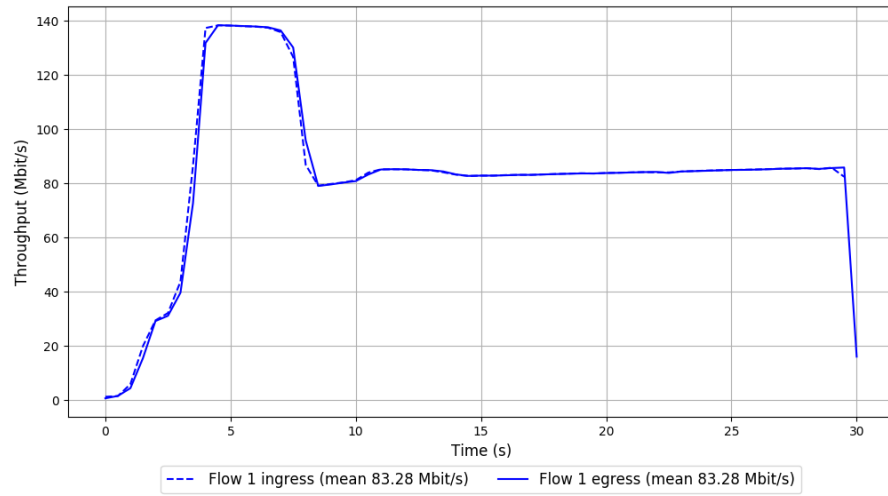
-- Flow 1:

Average throughput: 83.28 Mbit/s

95th percentile per-packet one-way delay: 113.061 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-27 10:01:52

End at: 2018-02-27 10:02:22

Below is generated by plot.py at 2018-02-27 13:09:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.48 Mbit/s

95th percentile per-packet one-way delay: 112.597 ms

Loss rate: 0.01%

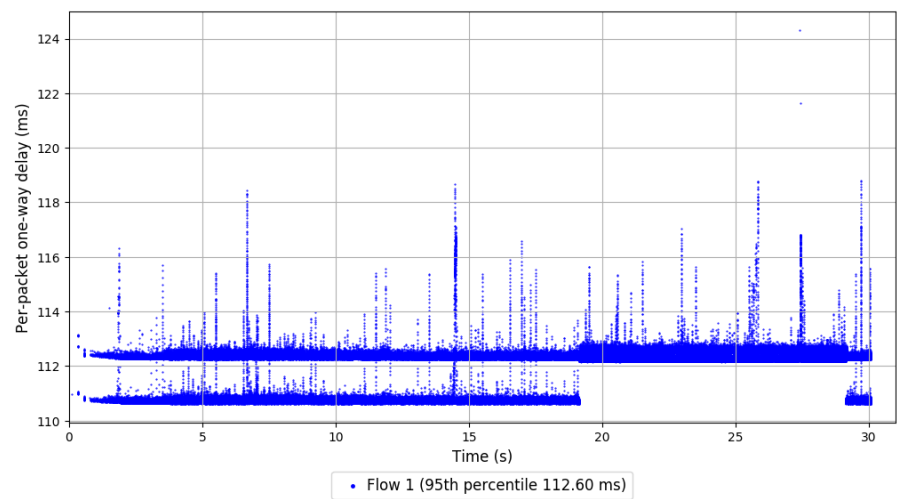
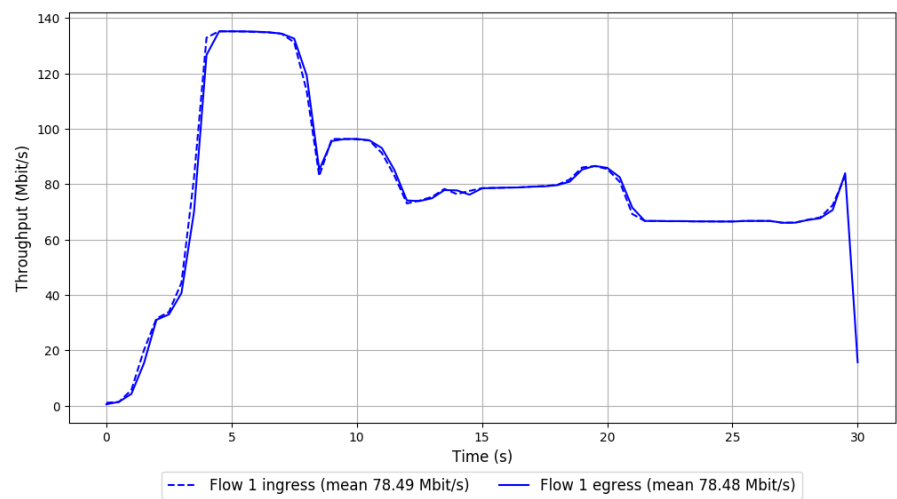
-- Flow 1:

Average throughput: 78.48 Mbit/s

95th percentile per-packet one-way delay: 112.597 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-27 10:17:19

End at: 2018-02-27 10:17:49

Below is generated by plot.py at 2018-02-27 13:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.68 Mbit/s

95th percentile per-packet one-way delay: 112.623 ms

Loss rate: 0.00%

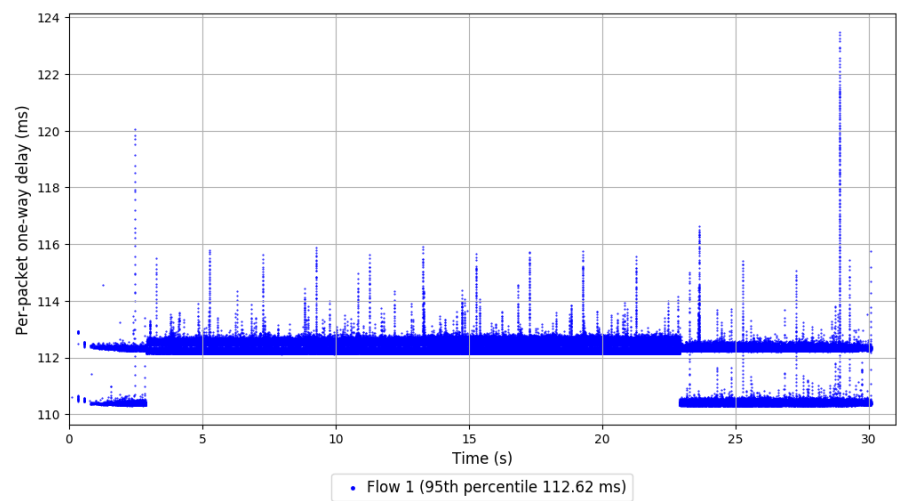
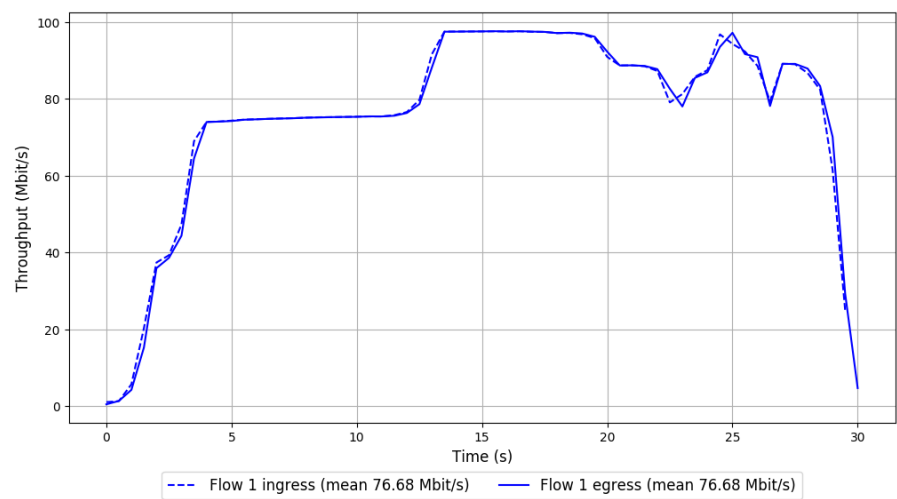
-- Flow 1:

Average throughput: 76.68 Mbit/s

95th percentile per-packet one-way delay: 112.623 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-27 10:32:26

End at: 2018-02-27 10:32:56

Below is generated by plot.py at 2018-02-27 13:10:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.20 Mbit/s

95th percentile per-packet one-way delay: 112.348 ms

Loss rate: 0.01%

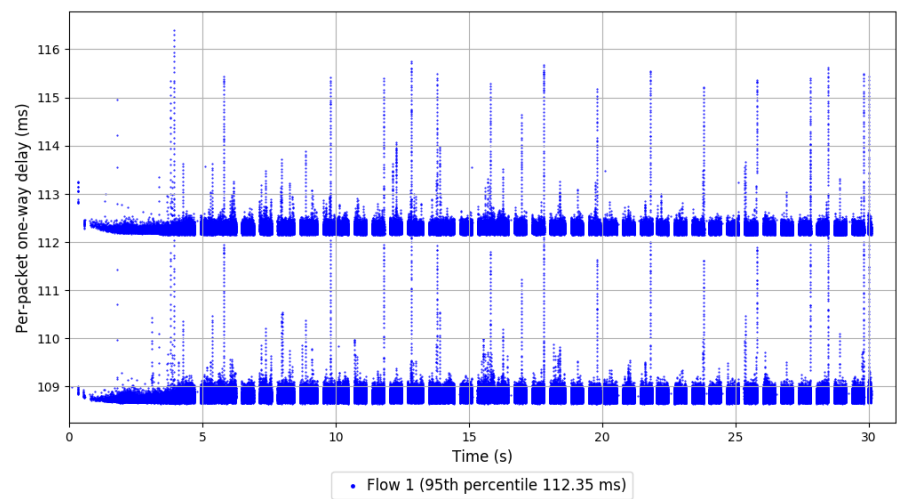
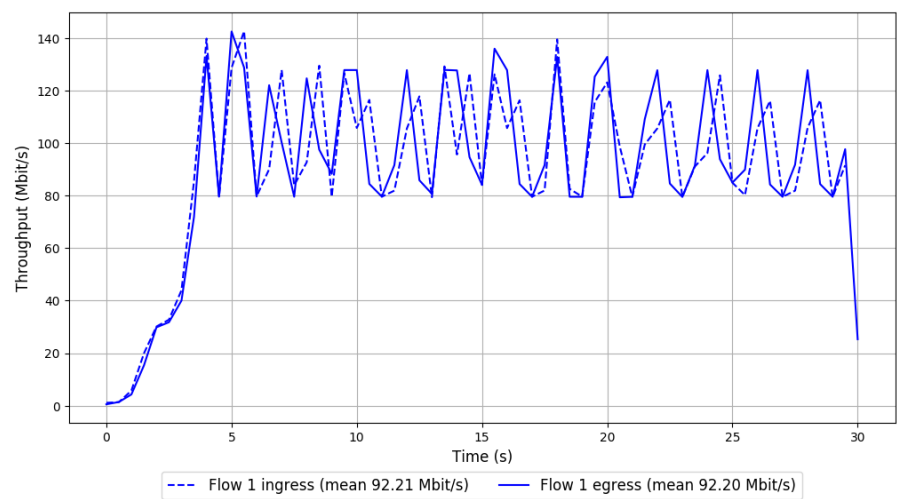
-- Flow 1:

Average throughput: 92.20 Mbit/s

95th percentile per-packet one-way delay: 112.348 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-27 10:47:54

End at: 2018-02-27 10:48:24

Below is generated by plot.py at 2018-02-27 13:10:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.85 Mbit/s

95th percentile per-packet one-way delay: 112.200 ms

Loss rate: 0.00%

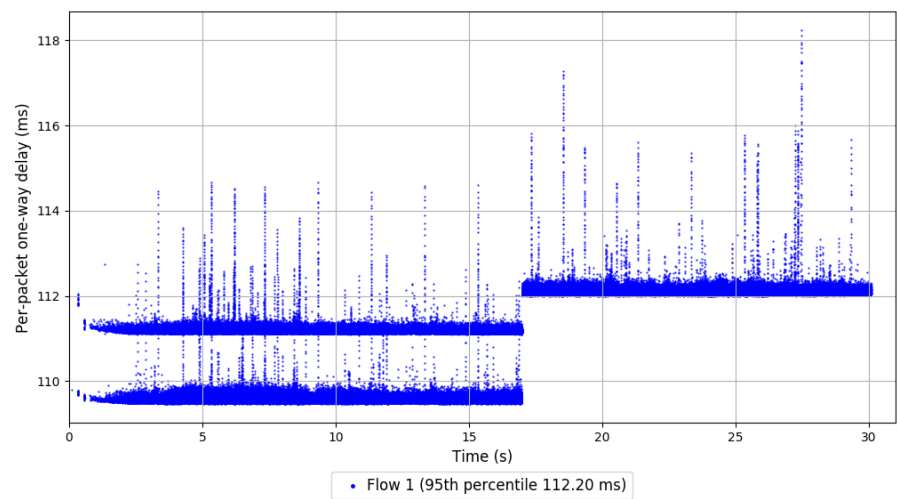
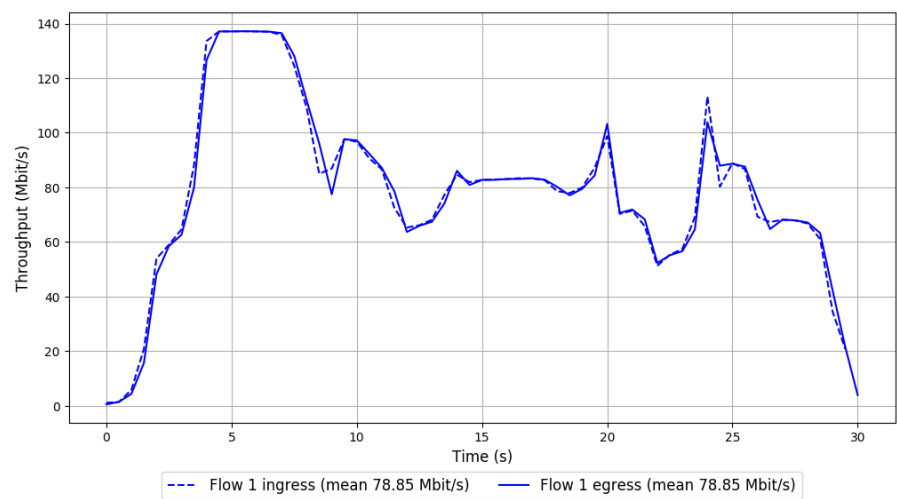
-- Flow 1:

Average throughput: 78.85 Mbit/s

95th percentile per-packet one-way delay: 112.200 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-27 11:03:18

End at: 2018-02-27 11:03:48

Below is generated by plot.py at 2018-02-27 13:10:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.67 Mbit/s

95th percentile per-packet one-way delay: 112.188 ms

Loss rate: 0.00%

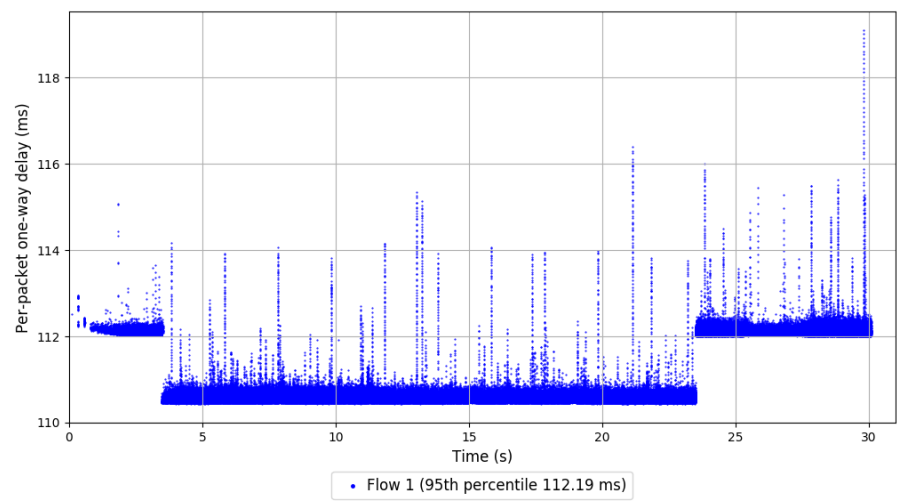
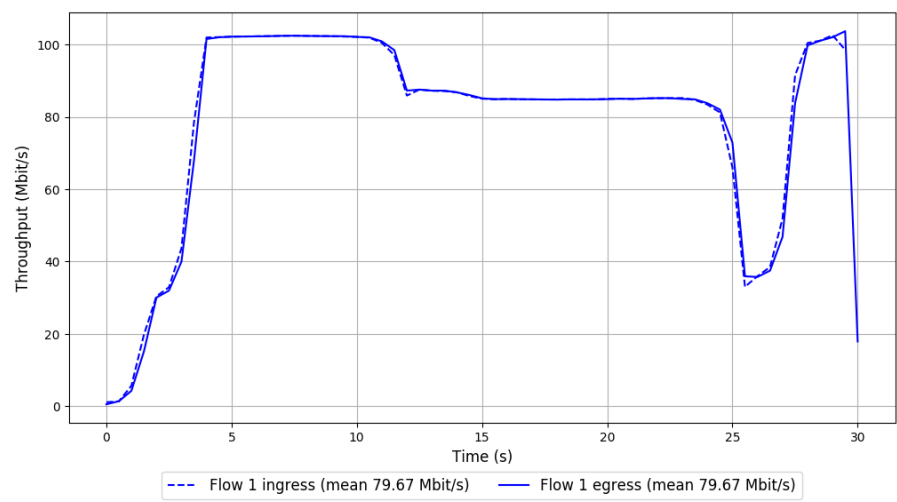
-- Flow 1:

Average throughput: 79.67 Mbit/s

95th percentile per-packet one-way delay: 112.188 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-27 11:18:42

End at: 2018-02-27 11:19:12

Below is generated by plot.py at 2018-02-27 13:10:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.36 Mbit/s

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

Loss rate: 0.00%

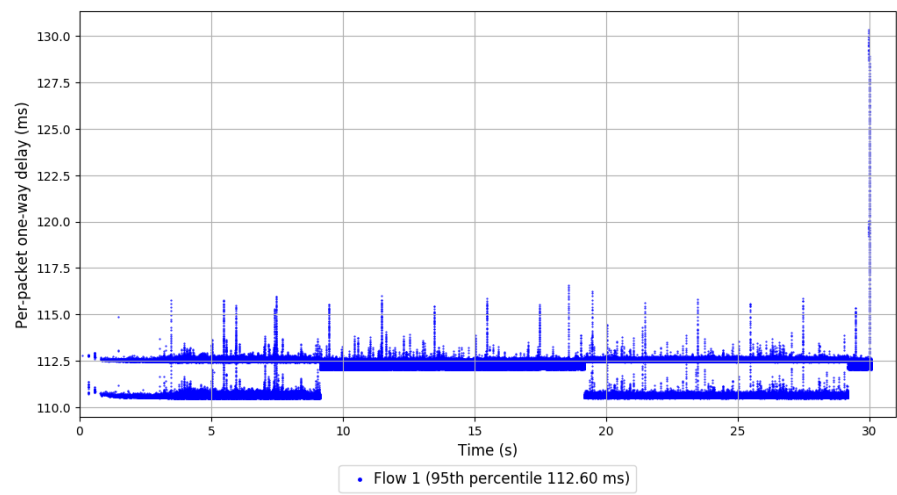
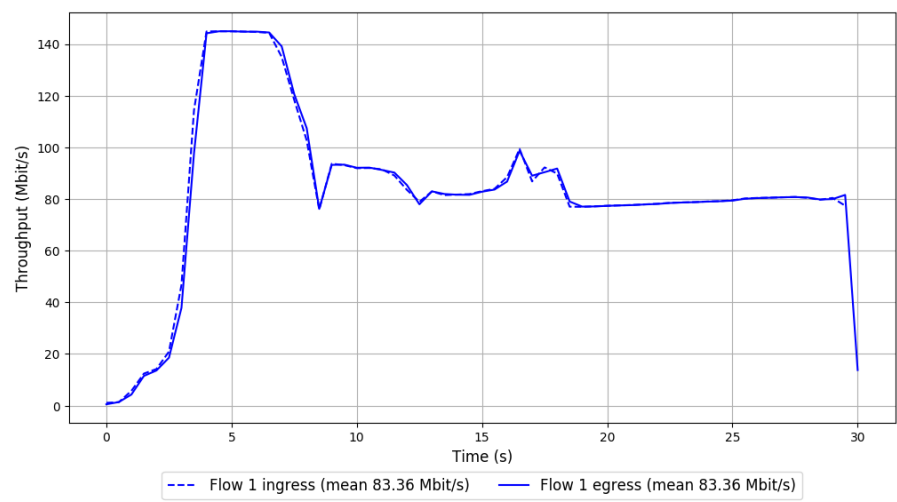
-- Flow 1:

Average throughput: 83.36 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

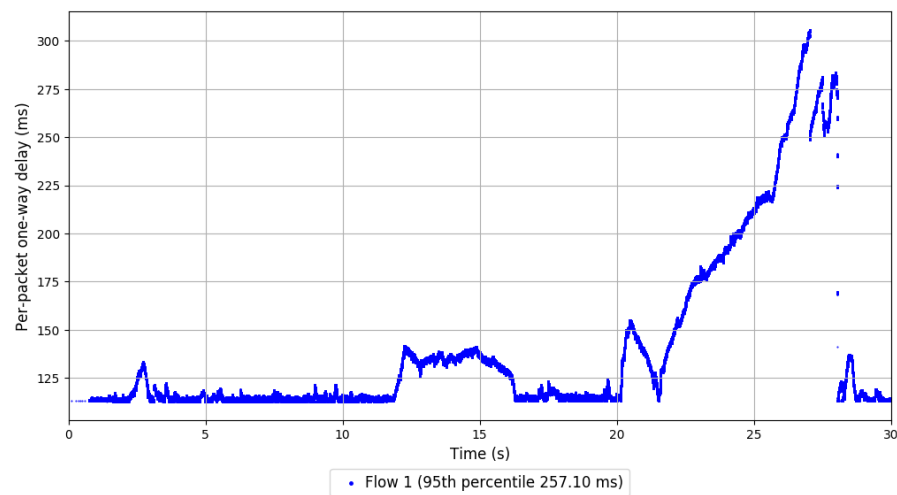
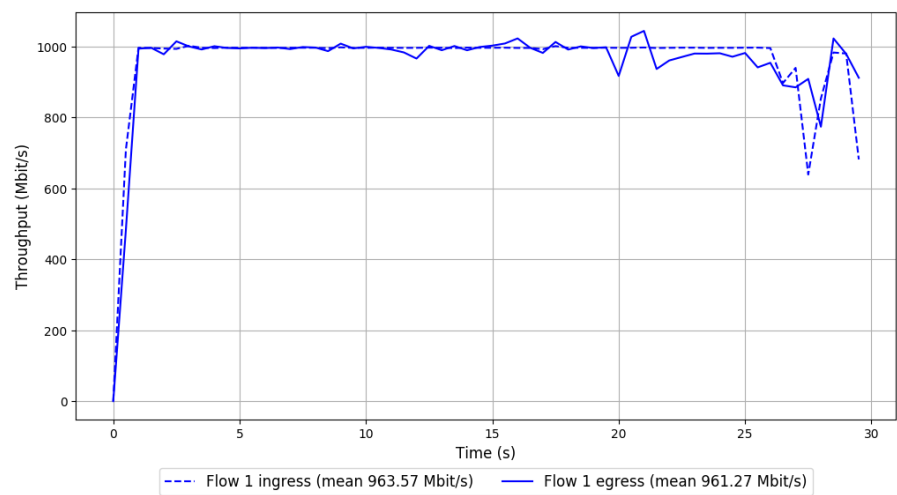


```
Run 1: Statistics of FillP

Start at: 2018-02-27 08:55:00
End at: 2018-02-27 08:55:30

# Below is generated by plot.py at 2018-02-27 13:25:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 961.27 Mbit/s
95th percentile per-packet one-way delay: 257.096 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 961.27 Mbit/s
95th percentile per-packet one-way delay: 257.096 ms
Loss rate: 0.24%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-27 09:10:09

End at: 2018-02-27 09:10:39

Below is generated by plot.py at 2018-02-27 13:25:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 875.00 Mbit/s

95th percentile per-packet one-way delay: 185.755 ms

Loss rate: 5.45%

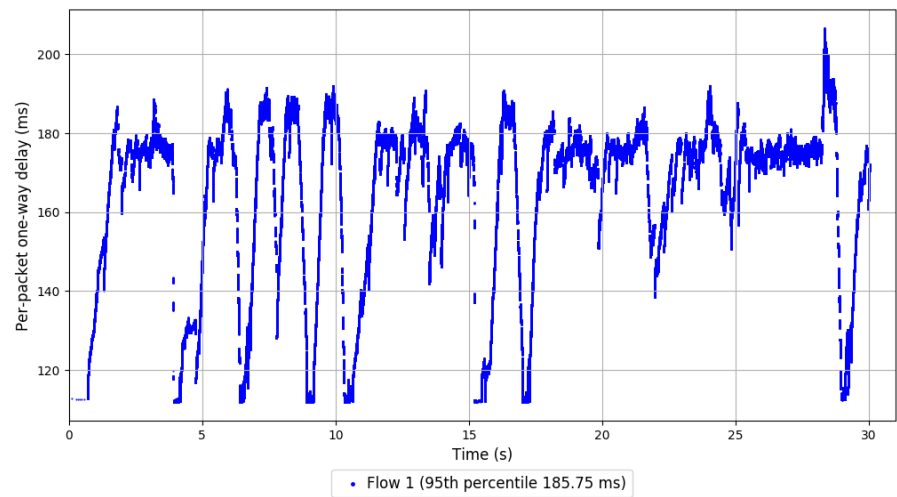
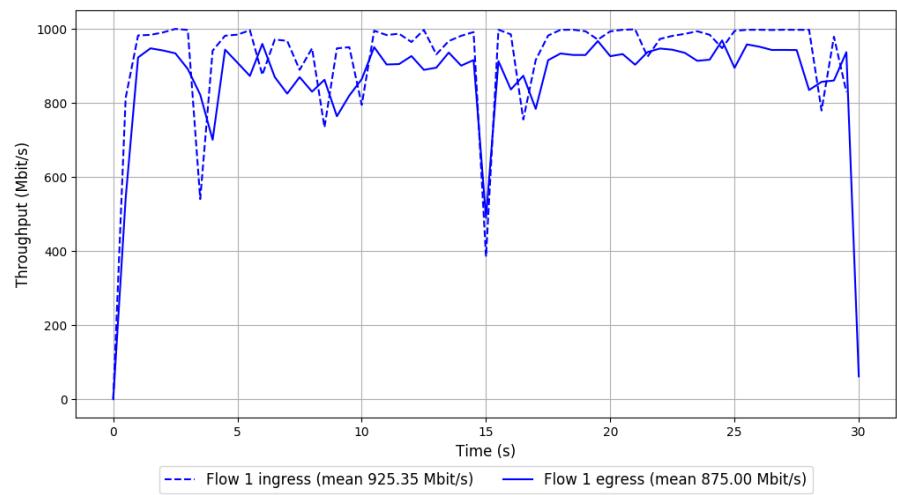
-- Flow 1:

Average throughput: 875.00 Mbit/s

95th percentile per-packet one-way delay: 185.755 ms

Loss rate: 5.45%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-27 09:26:04

End at: 2018-02-27 09:26:34

Below is generated by plot.py at 2018-02-27 13:25:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 887.17 Mbit/s

95th percentile per-packet one-way delay: 184.794 ms

Loss rate: 3.81%

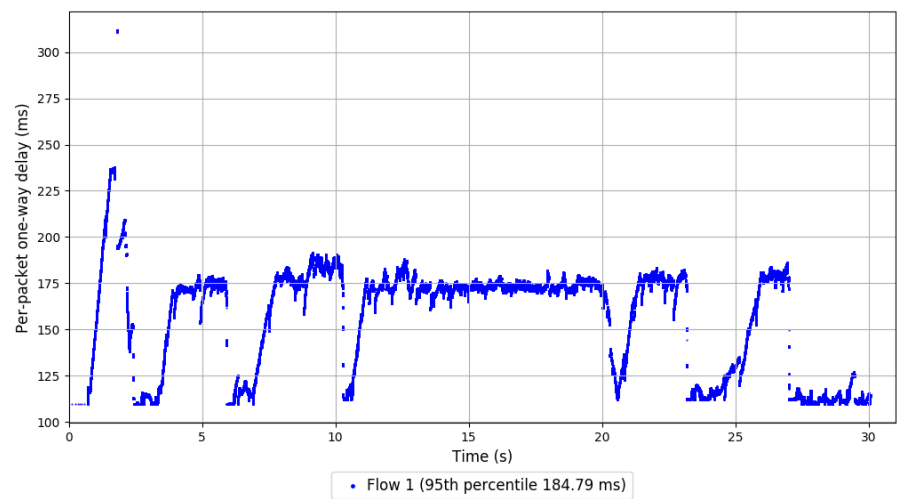
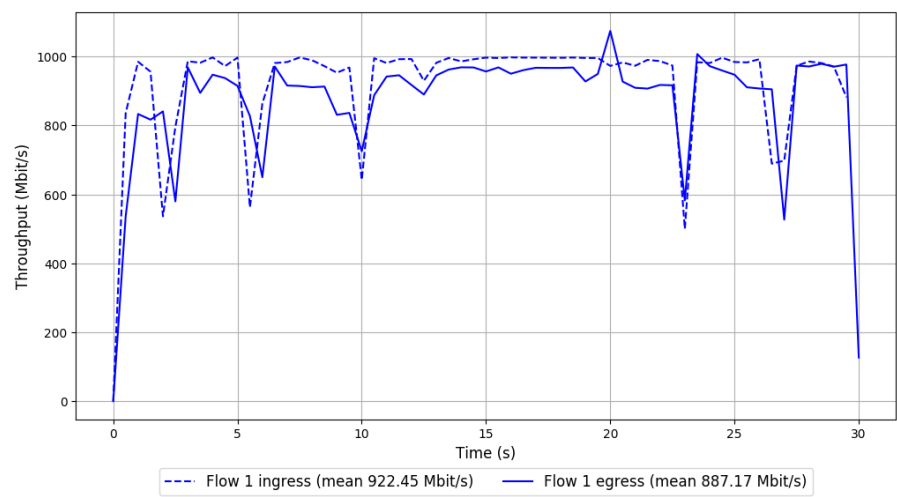
-- Flow 1:

Average throughput: 887.17 Mbit/s

95th percentile per-packet one-way delay: 184.794 ms

Loss rate: 3.81%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-27 09:41:54

End at: 2018-02-27 09:42:24

Below is generated by plot.py at 2018-02-27 13:25:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 901.46 Mbit/s

95th percentile per-packet one-way delay: 308.623 ms

Loss rate: 2.00%

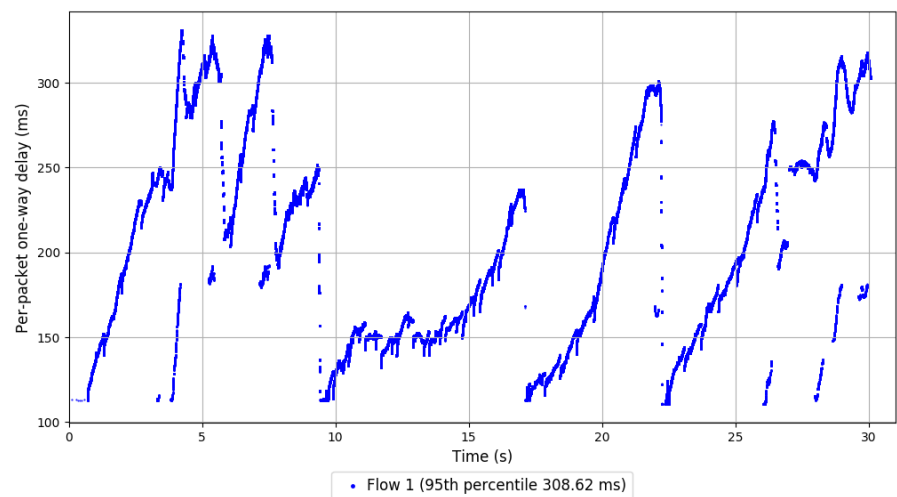
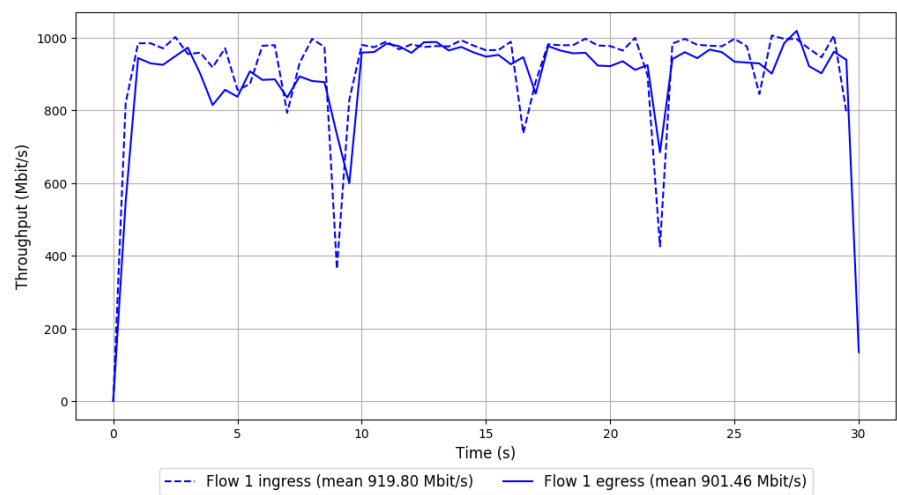
-- Flow 1:

Average throughput: 901.46 Mbit/s

95th percentile per-packet one-way delay: 308.623 ms

Loss rate: 2.00%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-27 09:57:45

End at: 2018-02-27 09:58:15

Below is generated by plot.py at 2018-02-27 13:26:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 954.30 Mbit/s

95th percentile per-packet one-way delay: 175.474 ms

Loss rate: 0.55%

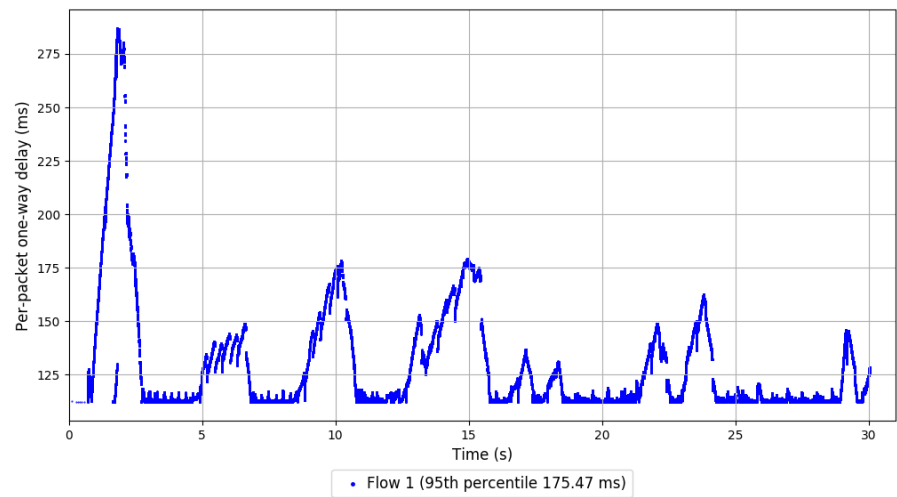
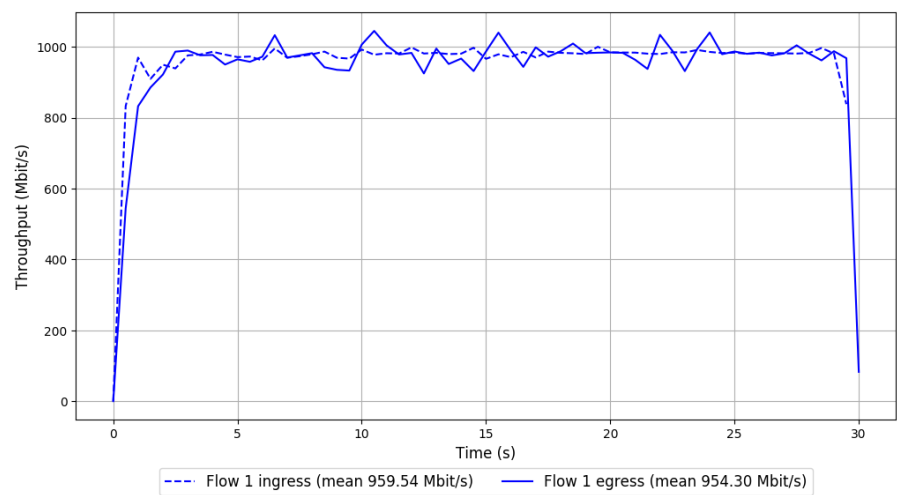
-- Flow 1:

Average throughput: 954.30 Mbit/s

95th percentile per-packet one-way delay: 175.474 ms

Loss rate: 0.55%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-27 10:13:13

End at: 2018-02-27 10:13:43

Below is generated by plot.py at 2018-02-27 13:26:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 846.53 Mbit/s

95th percentile per-packet one-way delay: 223.289 ms

Loss rate: 5.61%

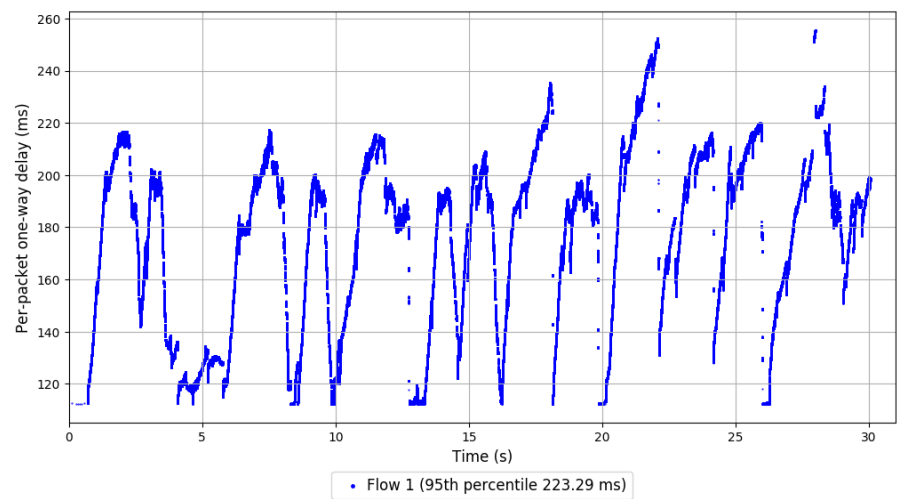
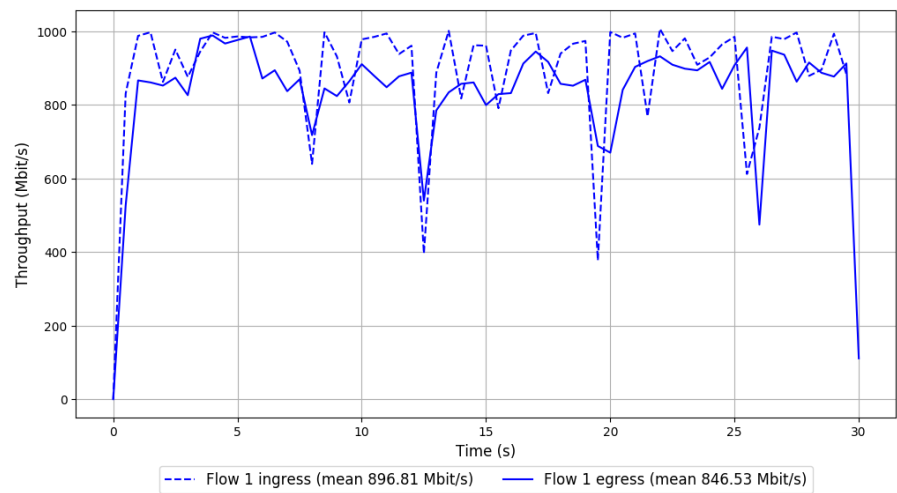
-- Flow 1:

Average throughput: 846.53 Mbit/s

95th percentile per-packet one-way delay: 223.289 ms

Loss rate: 5.61%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-27 10:28:18

End at: 2018-02-27 10:28:48

Below is generated by plot.py at 2018-02-27 13:26:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 860.81 Mbit/s

95th percentile per-packet one-way delay: 187.714 ms

Loss rate: 5.42%

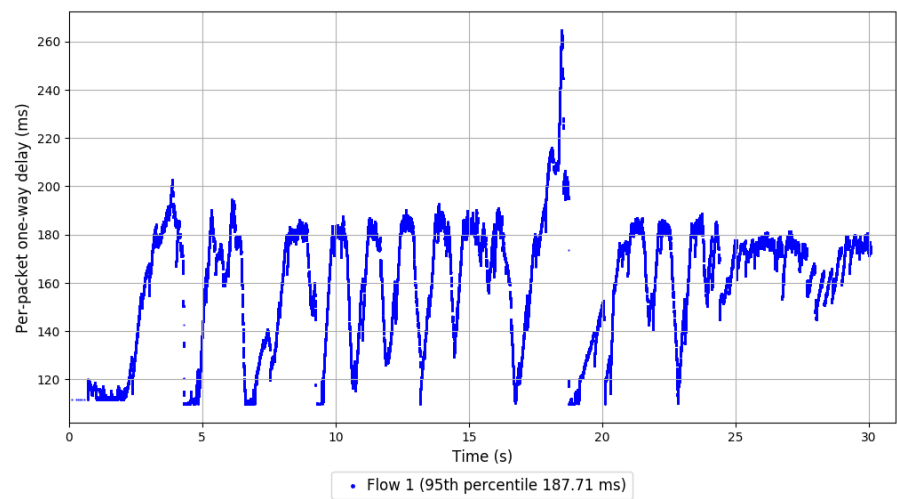
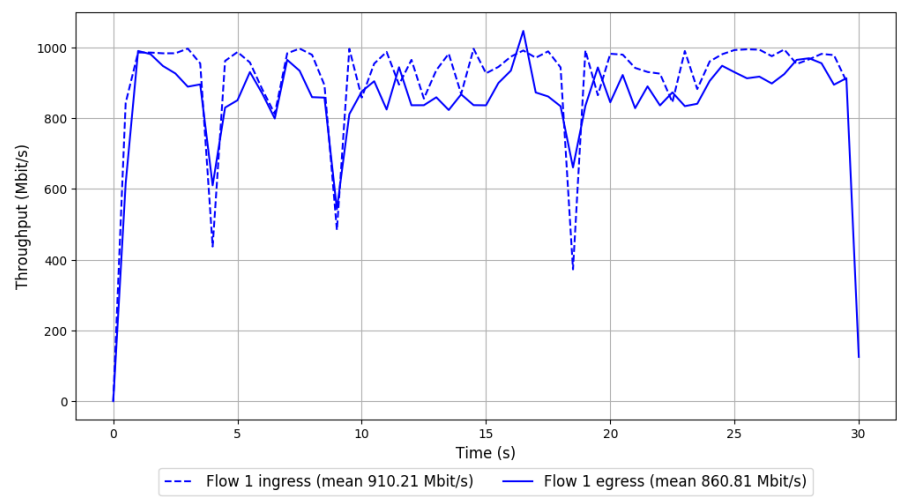
-- Flow 1:

Average throughput: 860.81 Mbit/s

95th percentile per-packet one-way delay: 187.714 ms

Loss rate: 5.42%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-27 10:43:46

End at: 2018-02-27 10:44:16

Below is generated by plot.py at 2018-02-27 13:27:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 930.96 Mbit/s

95th percentile per-packet one-way delay: 305.117 ms

Loss rate: 1.67%

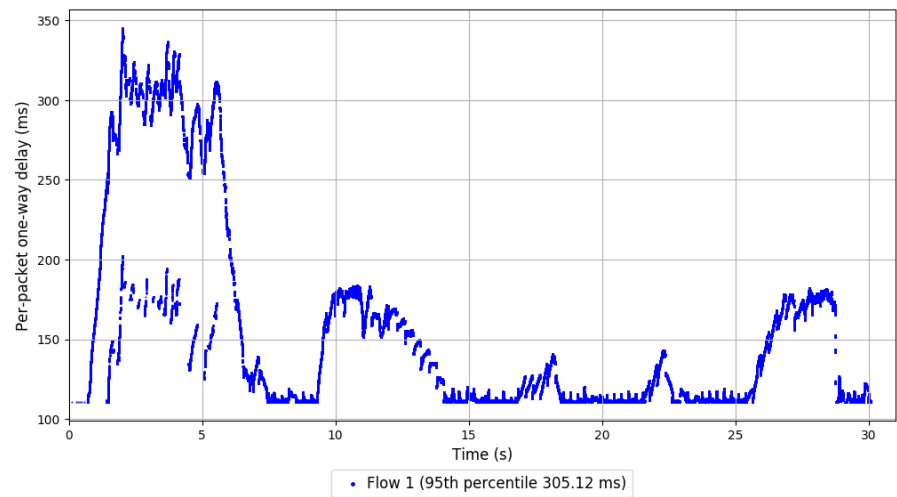
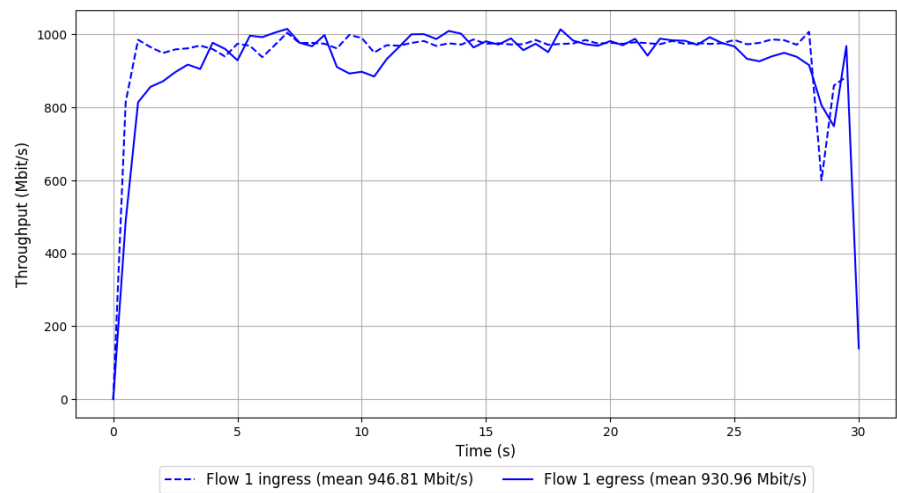
-- Flow 1:

Average throughput: 930.96 Mbit/s

95th percentile per-packet one-way delay: 305.117 ms

Loss rate: 1.67%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-27 10:59:11

End at: 2018-02-27 10:59:41

Below is generated by plot.py at 2018-02-27 13:40:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 886.39 Mbit/s

95th percentile per-packet one-way delay: 301.783 ms

Loss rate: 2.50%

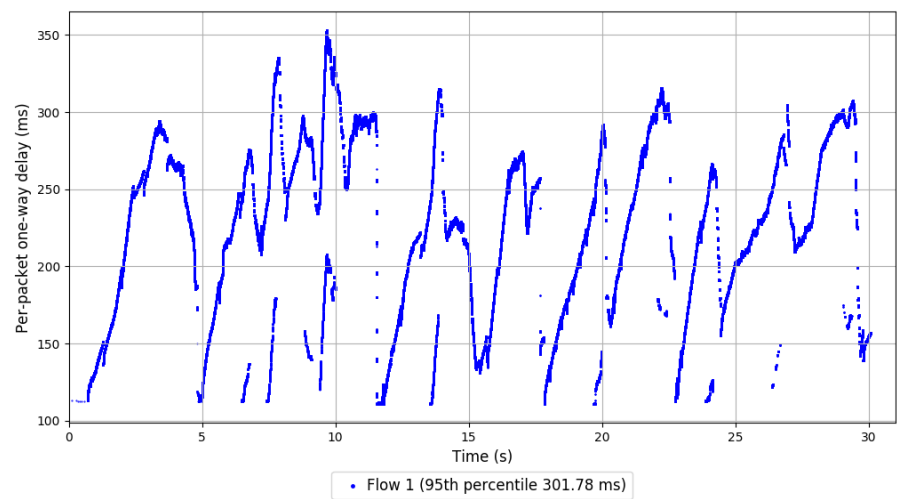
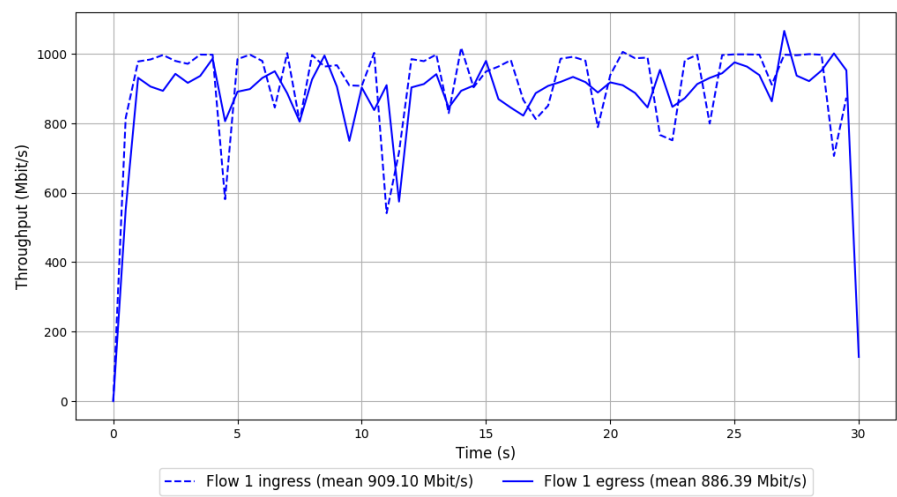
-- Flow 1:

Average throughput: 886.39 Mbit/s

95th percentile per-packet one-way delay: 301.783 ms

Loss rate: 2.50%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-27 11:14:31

End at: 2018-02-27 11:15:01

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 935.31 Mbit/s

95th percentile per-packet one-way delay: 180.473 ms

Loss rate: 2.41%

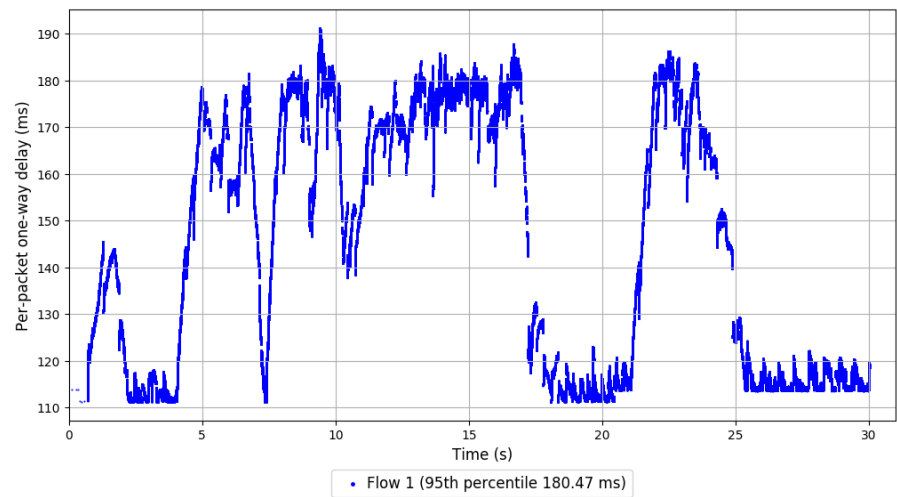
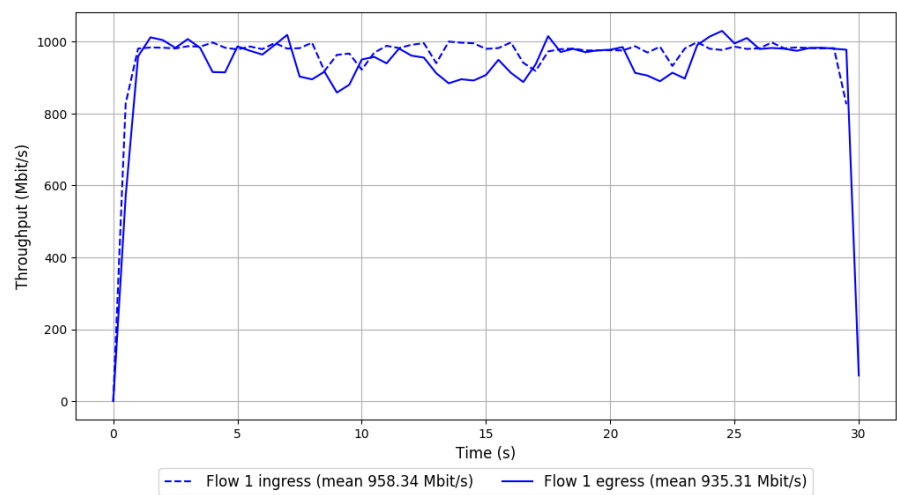
-- Flow 1:

Average throughput: 935.31 Mbit/s

95th percentile per-packet one-way delay: 180.473 ms

Loss rate: 2.41%

Run 10: Report of FillP — Data Link

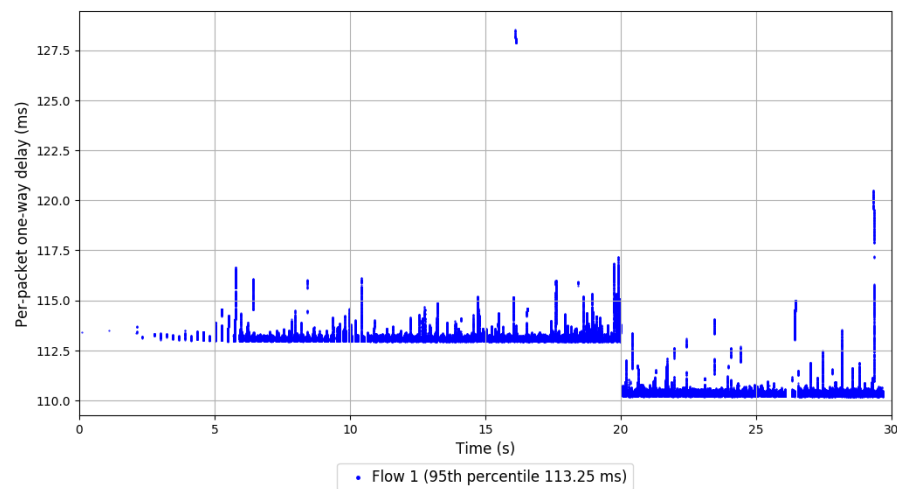
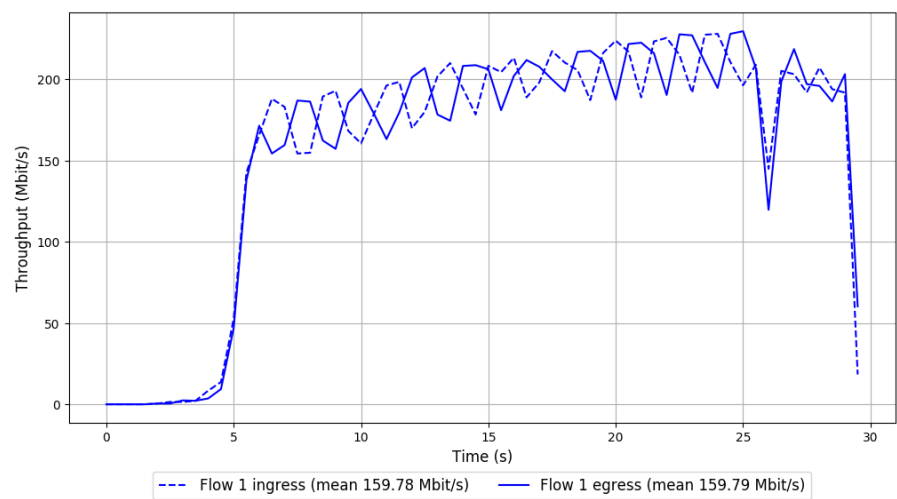


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-27 08:49:41
End at: 2018-02-27 08:50:11

# Below is generated by plot.py at 2018-02-27 13:41:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.79 Mbit/s
95th percentile per-packet one-way delay: 113.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.79 Mbit/s
95th percentile per-packet one-way delay: 113.252 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-27 09:04:53

End at: 2018-02-27 09:05:23

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.51 Mbit/s

95th percentile per-packet one-way delay: 112.665 ms

Loss rate: 0.00%

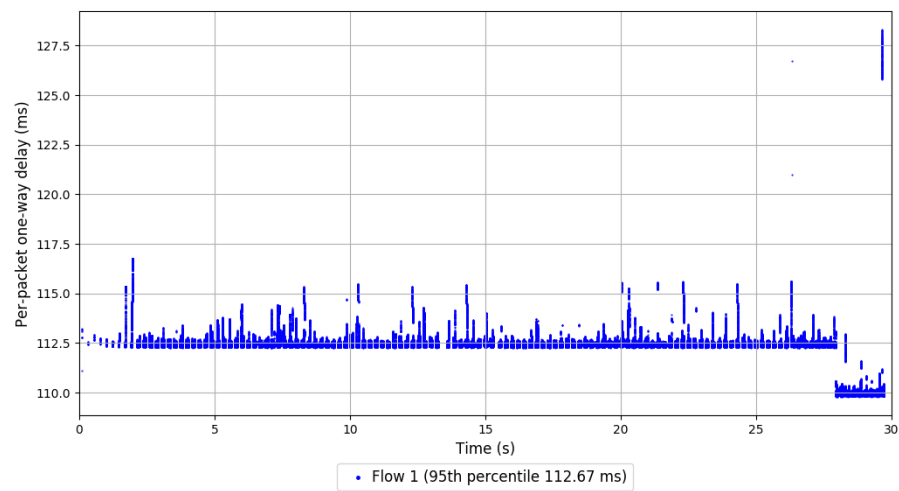
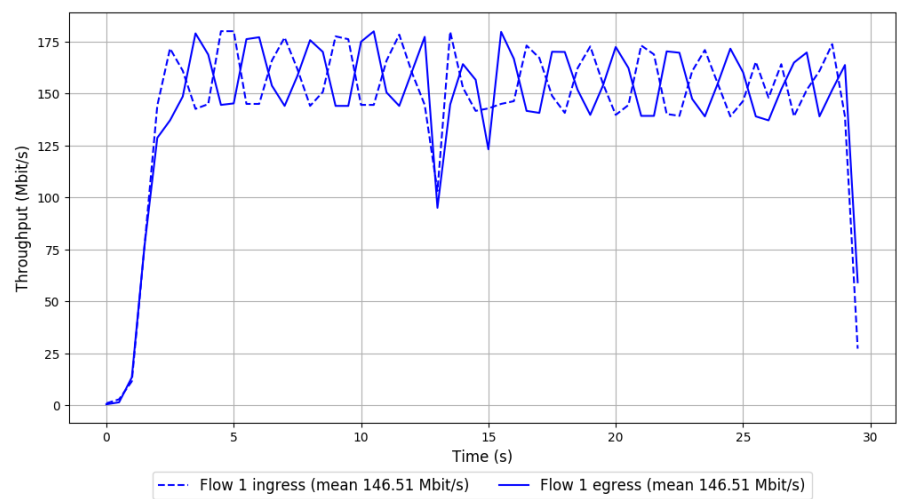
-- Flow 1:

Average throughput: 146.51 Mbit/s

95th percentile per-packet one-way delay: 112.665 ms

Loss rate: 0.00%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-27 09:20:51

End at: 2018-02-27 09:21:21

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.98 Mbit/s

95th percentile per-packet one-way delay: 113.060 ms

Loss rate: 0.00%

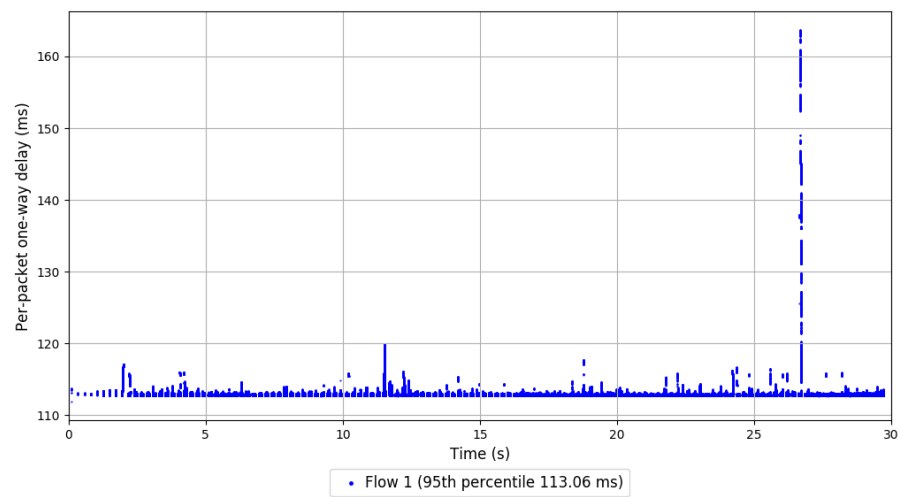
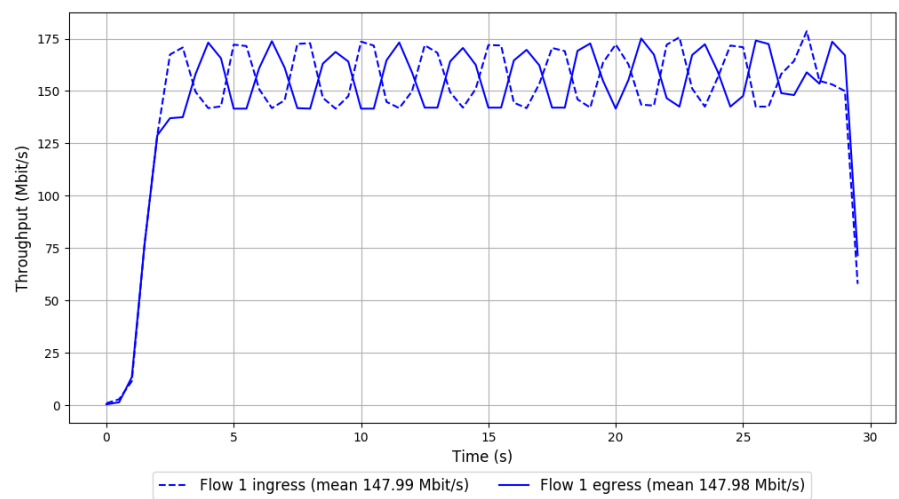
-- Flow 1:

Average throughput: 147.98 Mbit/s

95th percentile per-packet one-way delay: 113.060 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-27 09:36:32

End at: 2018-02-27 09:37:02

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.64 Mbit/s

95th percentile per-packet one-way delay: 112.865 ms

Loss rate: 0.00%

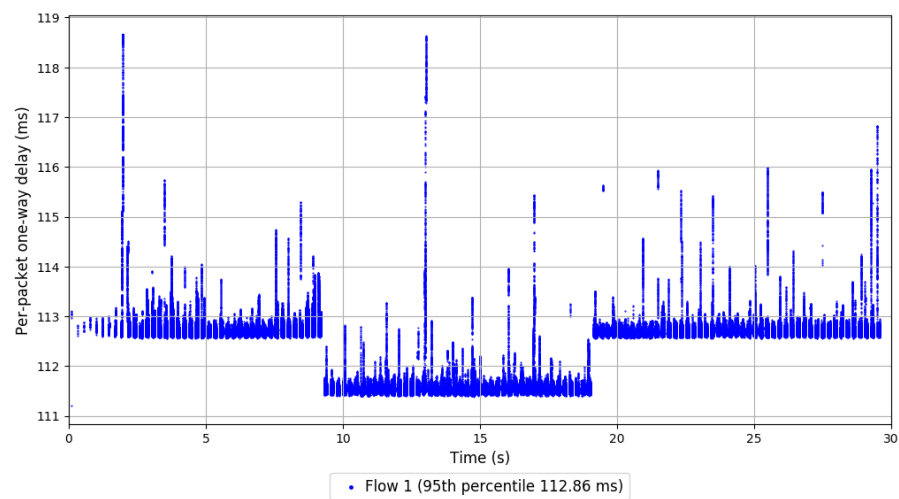
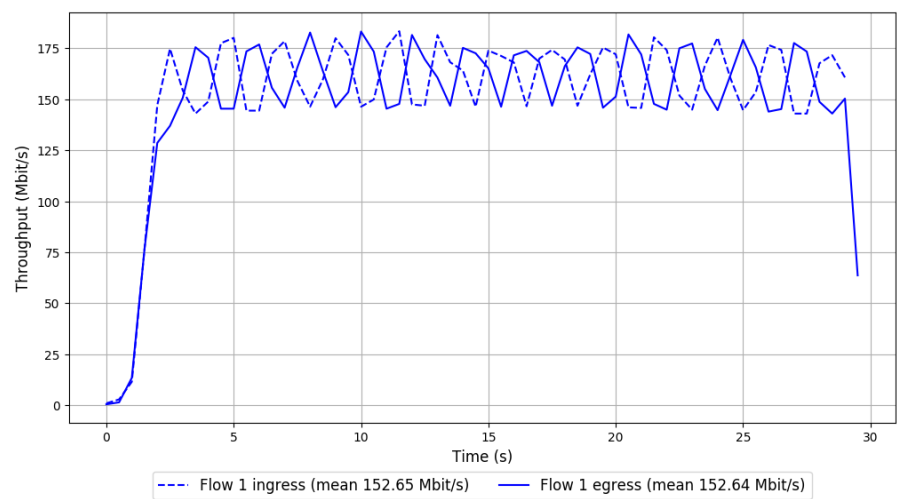
-- Flow 1:

Average throughput: 152.64 Mbit/s

95th percentile per-packet one-way delay: 112.865 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-27 09:52:21

End at: 2018-02-27 09:52:51

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.68 Mbit/s

95th percentile per-packet one-way delay: 111.918 ms

Loss rate: 0.00%

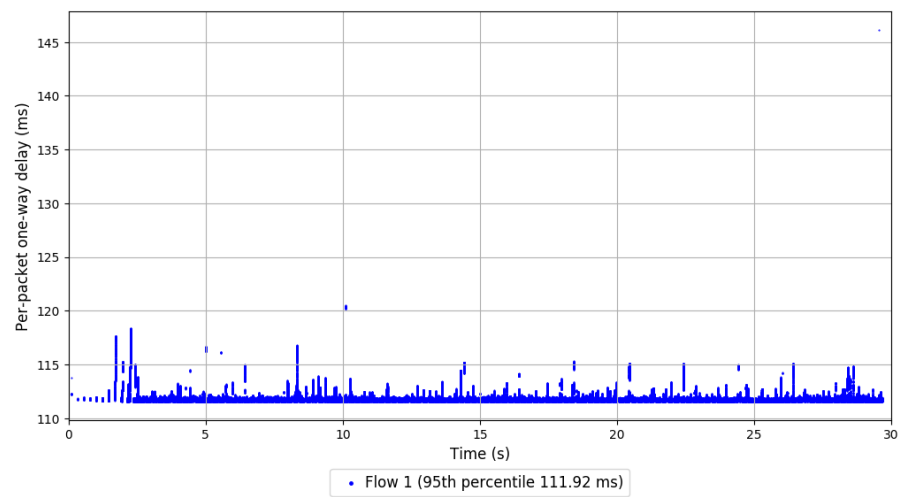
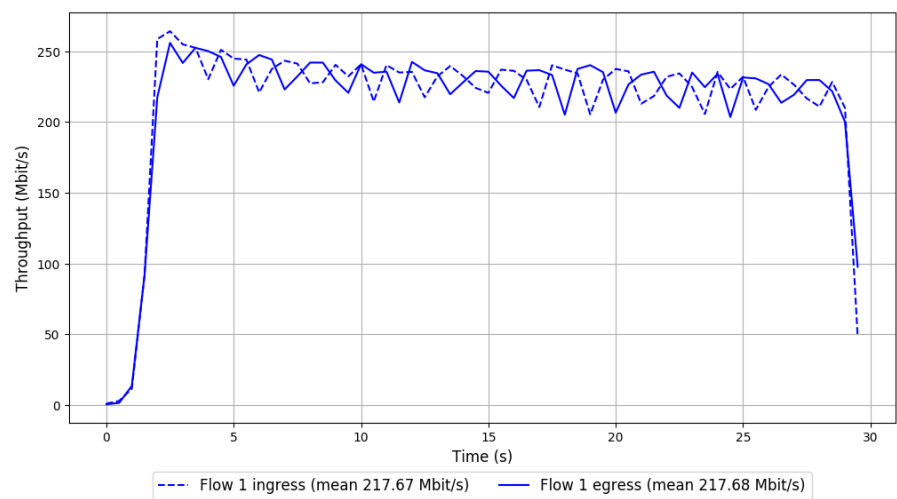
-- Flow 1:

Average throughput: 217.68 Mbit/s

95th percentile per-packet one-way delay: 111.918 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-27 10:07:58

End at: 2018-02-27 10:08:28

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.02 Mbit/s

95th percentile per-packet one-way delay: 112.753 ms

Loss rate: 0.00%

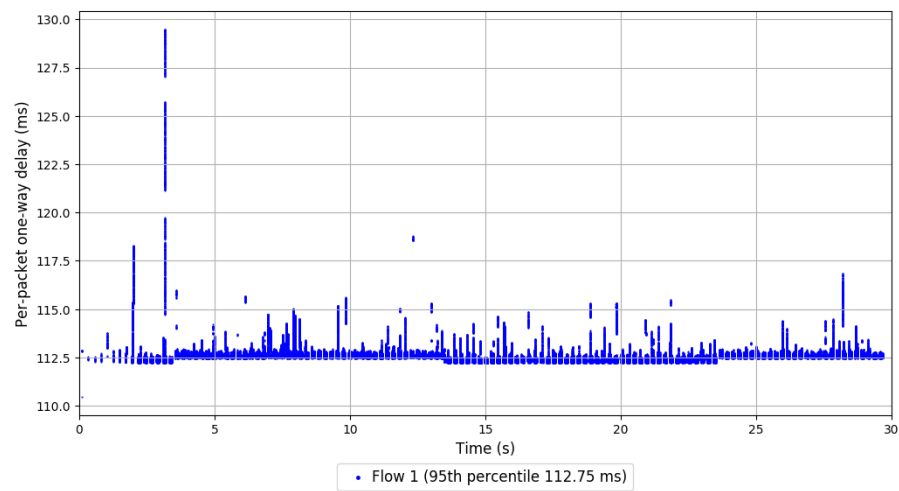
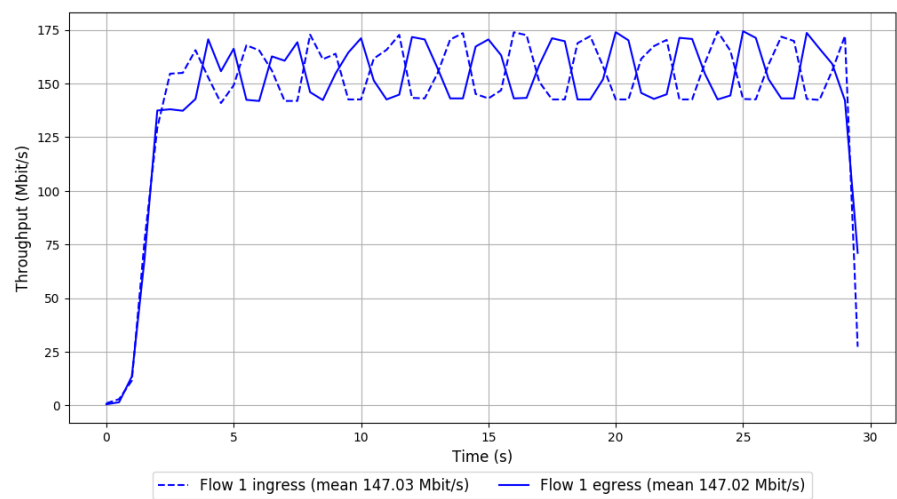
-- Flow 1:

Average throughput: 147.02 Mbit/s

95th percentile per-packet one-way delay: 112.753 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-27 10:23:01

End at: 2018-02-27 10:23:31

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.10 Mbit/s

95th percentile per-packet one-way delay: 111.693 ms

Loss rate: 0.00%

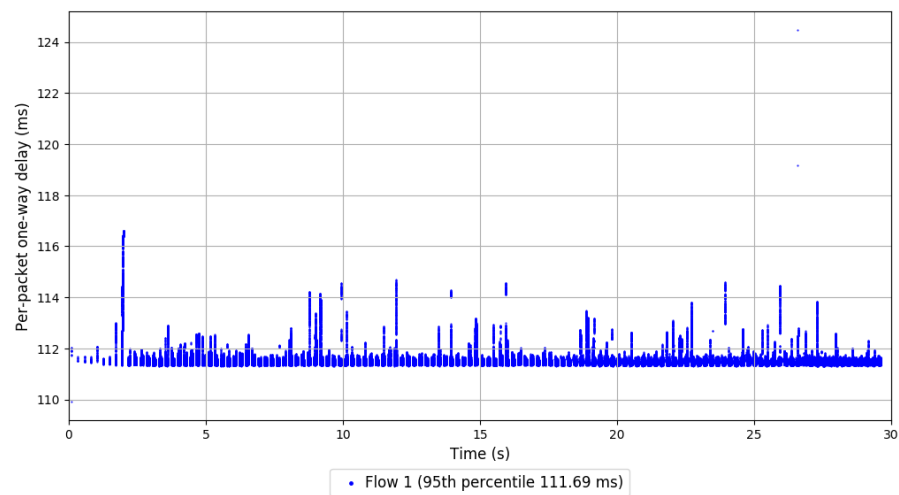
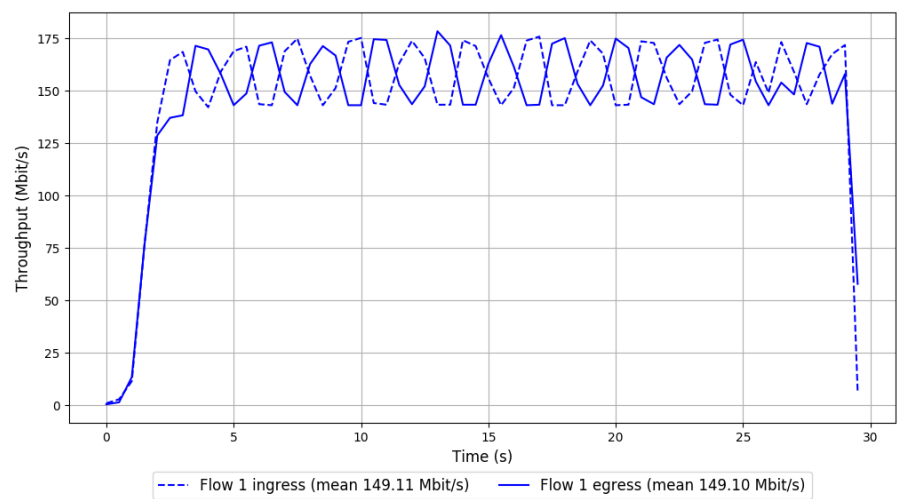
-- Flow 1:

Average throughput: 149.10 Mbit/s

95th percentile per-packet one-way delay: 111.693 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-27 10:38:27

End at: 2018-02-27 10:38:57

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.04 Mbit/s

95th percentile per-packet one-way delay: 112.329 ms

Loss rate: 0.00%

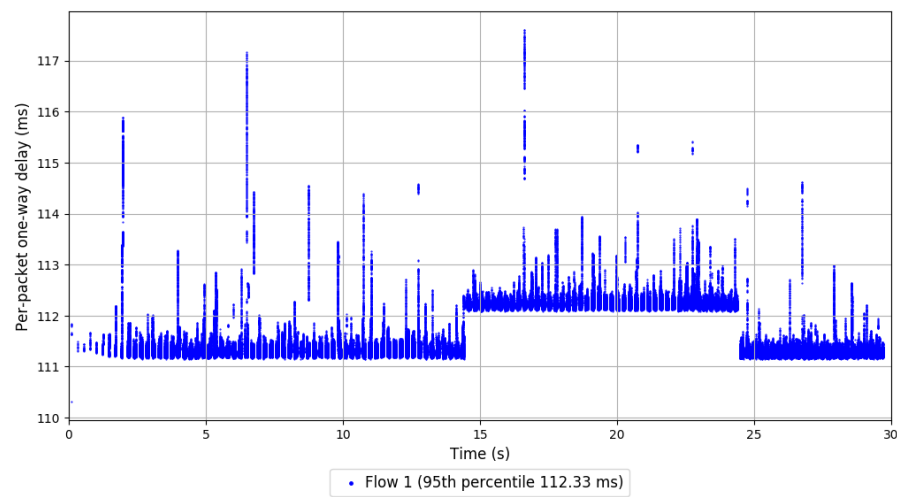
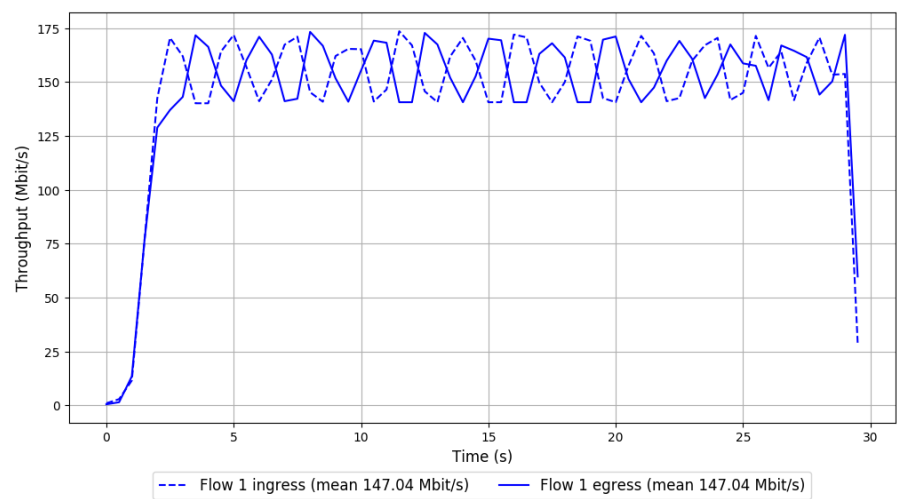
-- Flow 1:

Average throughput: 147.04 Mbit/s

95th percentile per-packet one-way delay: 112.329 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-27 10:53:51

End at: 2018-02-27 10:54:21

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.01 Mbit/s

95th percentile per-packet one-way delay: 112.280 ms

Loss rate: 0.00%

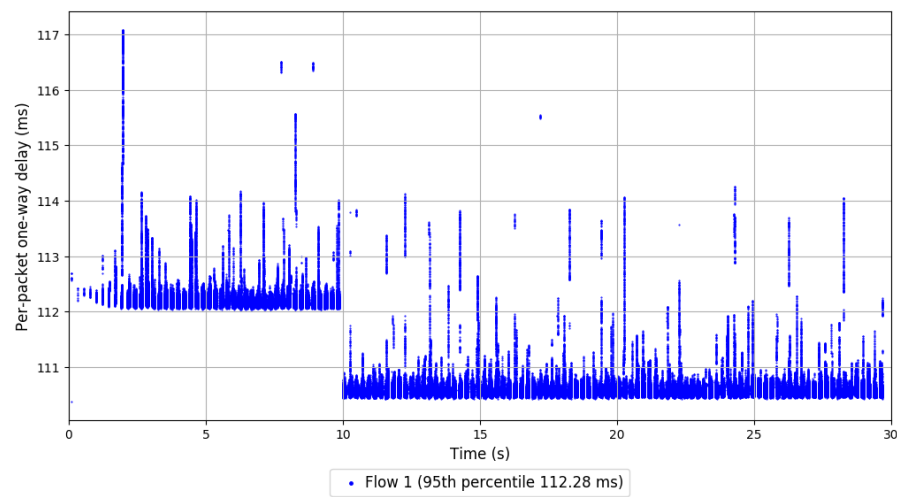
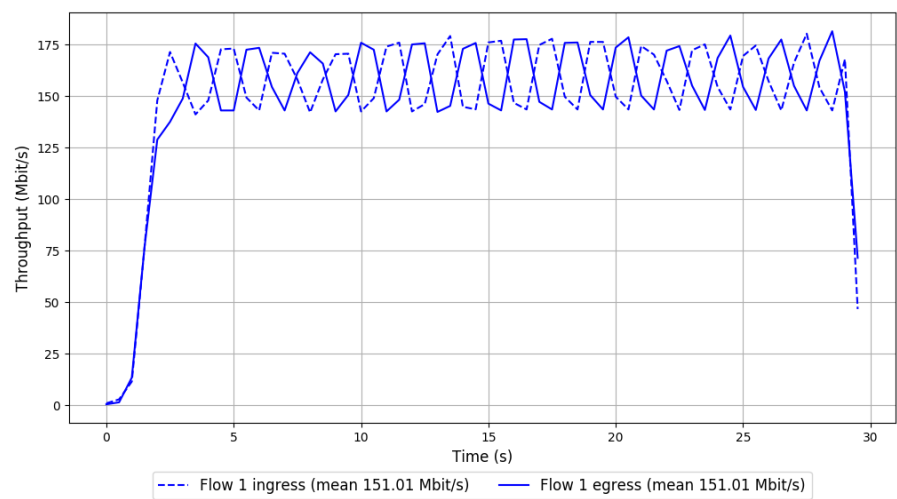
-- Flow 1:

Average throughput: 151.01 Mbit/s

95th percentile per-packet one-way delay: 112.280 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-27 11:09:14

End at: 2018-02-27 11:09:44

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.74 Mbit/s

95th percentile per-packet one-way delay: 112.267 ms

Loss rate: 0.00%

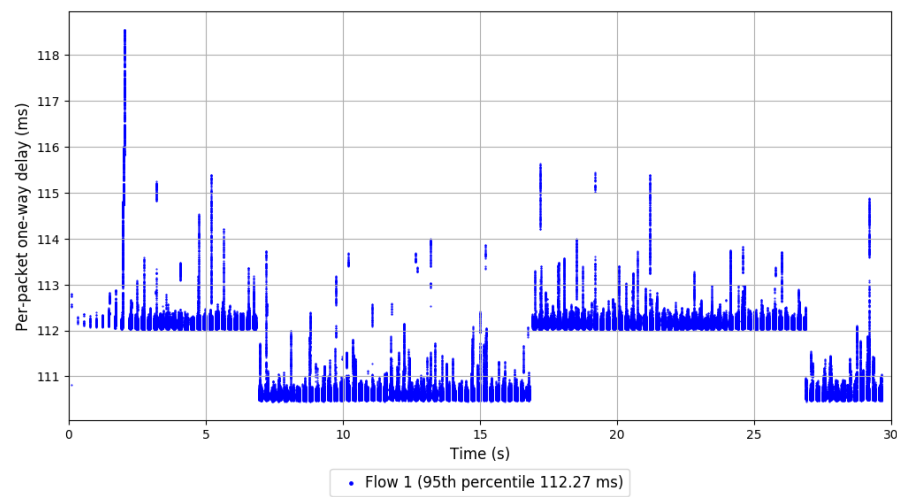
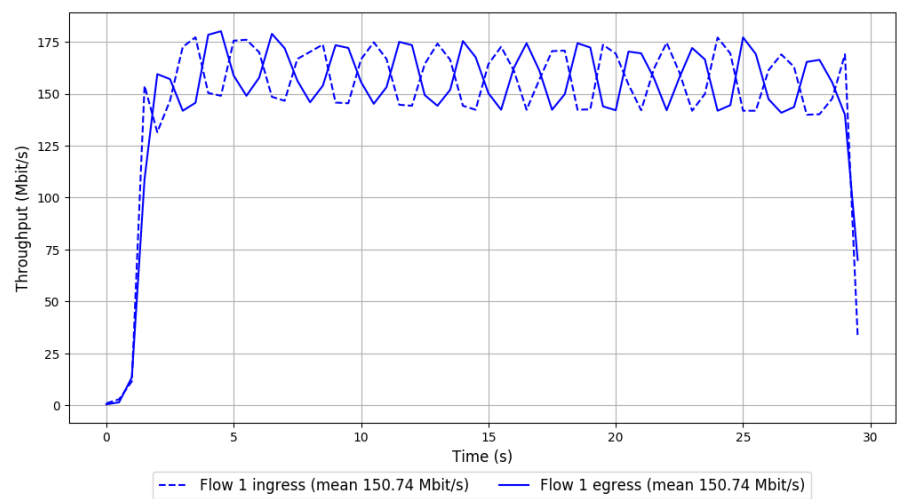
-- Flow 1:

Average throughput: 150.74 Mbit/s

95th percentile per-packet one-way delay: 112.267 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

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

End at: 2018-02-27 08:46:57

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.97 Mbit/s

95th percentile per-packet one-way delay: 118.848 ms

Loss rate: 0.23%

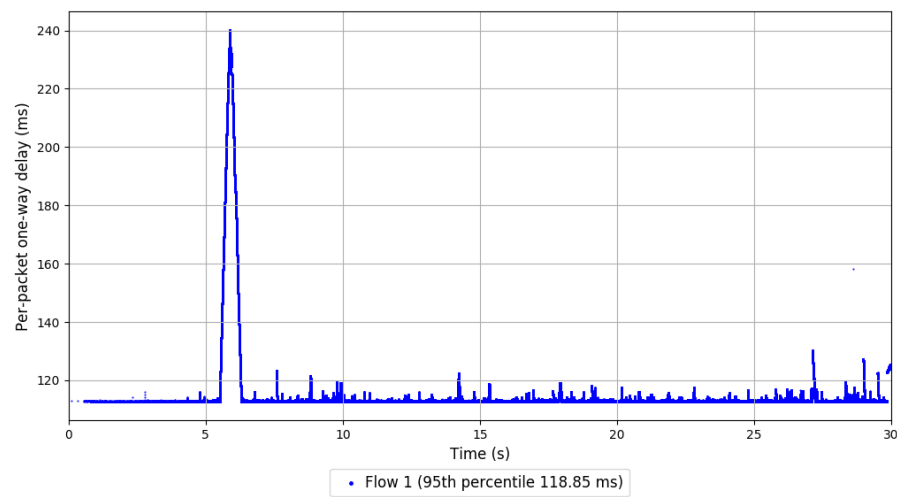
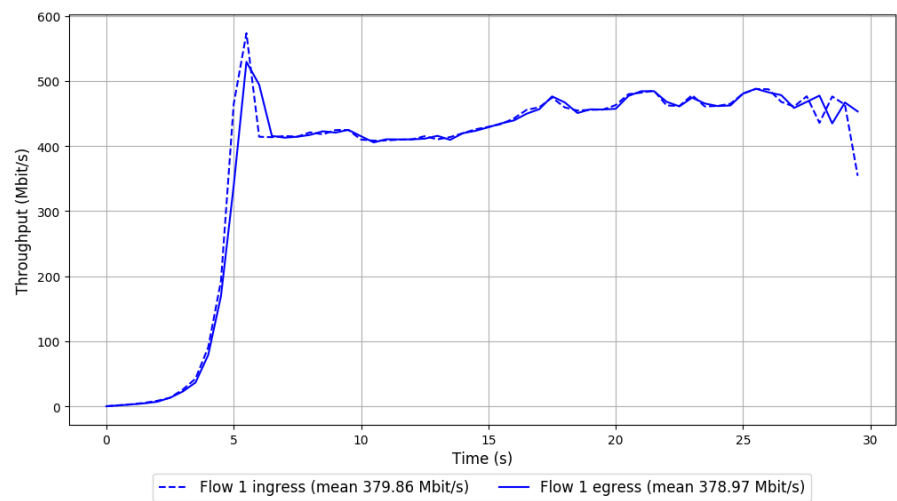
-- Flow 1:

Average throughput: 378.97 Mbit/s

95th percentile per-packet one-way delay: 118.848 ms

Loss rate: 0.23%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-27 09:01:38

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

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 365.33 Mbit/s

95th percentile per-packet one-way delay: 116.230 ms

Loss rate: 0.16%

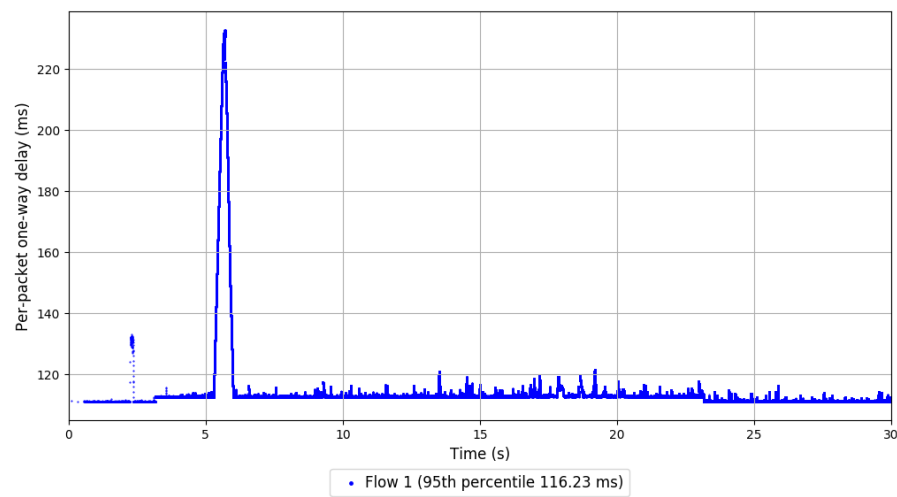
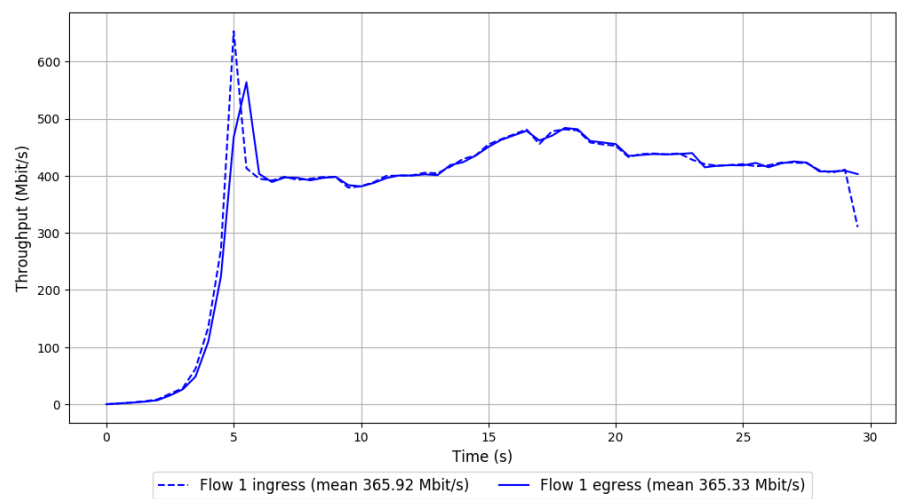
-- Flow 1:

Average throughput: 365.33 Mbit/s

95th percentile per-packet one-way delay: 116.230 ms

Loss rate: 0.16%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-27 09:17:20

End at: 2018-02-27 09:17:50

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.33 Mbit/s

95th percentile per-packet one-way delay: 114.925 ms

Loss rate: 0.05%

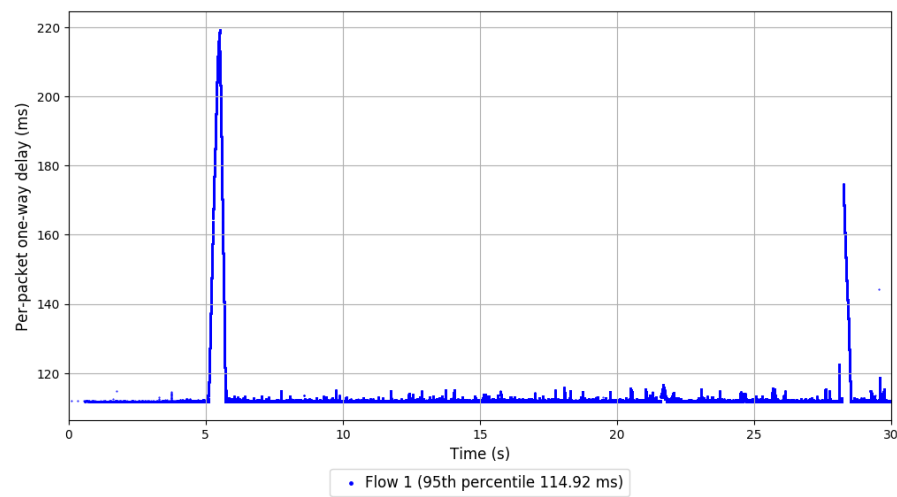
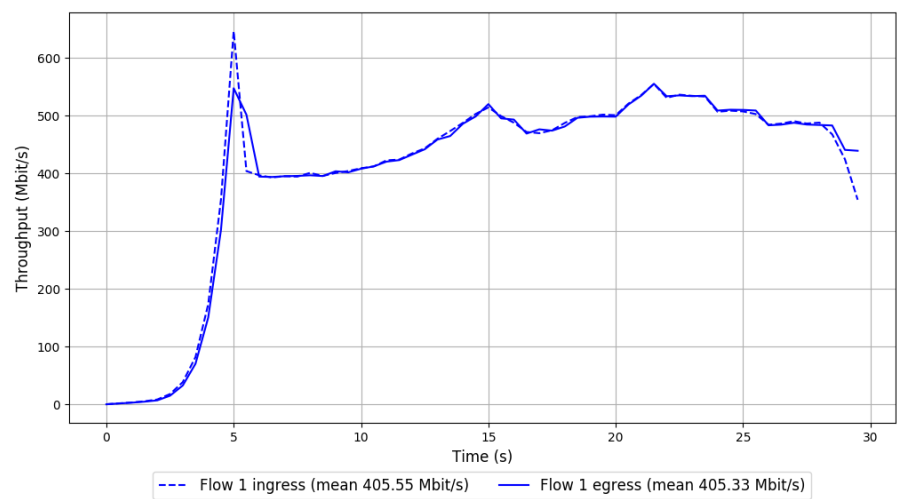
-- Flow 1:

Average throughput: 405.33 Mbit/s

95th percentile per-packet one-way delay: 114.925 ms

Loss rate: 0.05%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-27 09:32:58

End at: 2018-02-27 09:33:28

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.21 Mbit/s

95th percentile per-packet one-way delay: 122.113 ms

Loss rate: 0.08%

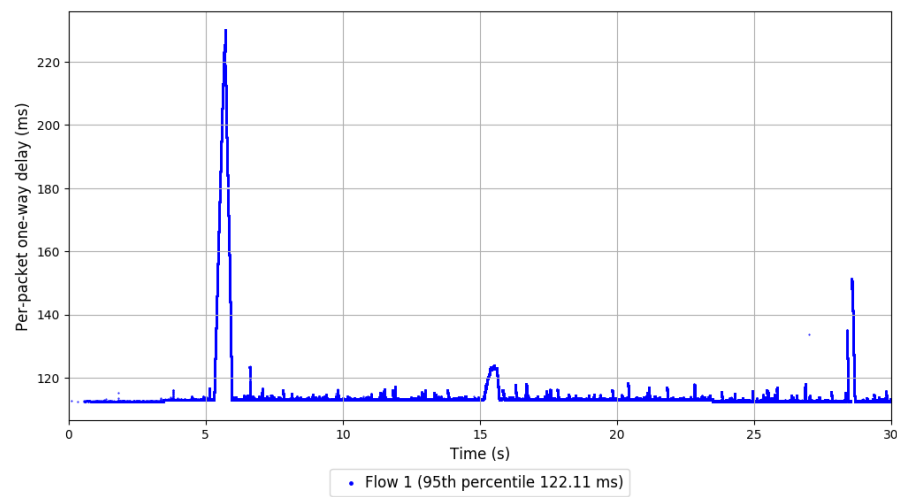
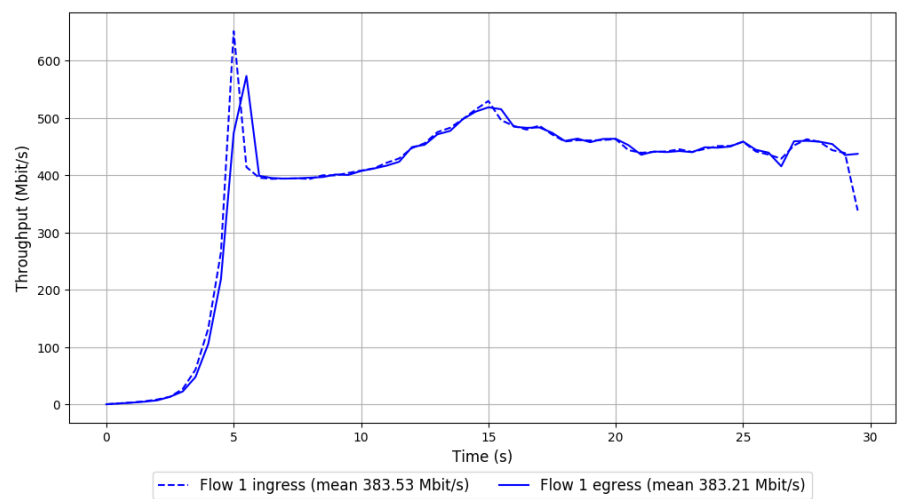
-- Flow 1:

Average throughput: 383.21 Mbit/s

95th percentile per-packet one-way delay: 122.113 ms

Loss rate: 0.08%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-27 09:48:47

End at: 2018-02-27 09:49:17

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.51 Mbit/s

95th percentile per-packet one-way delay: 114.587 ms

Loss rate: 0.00%

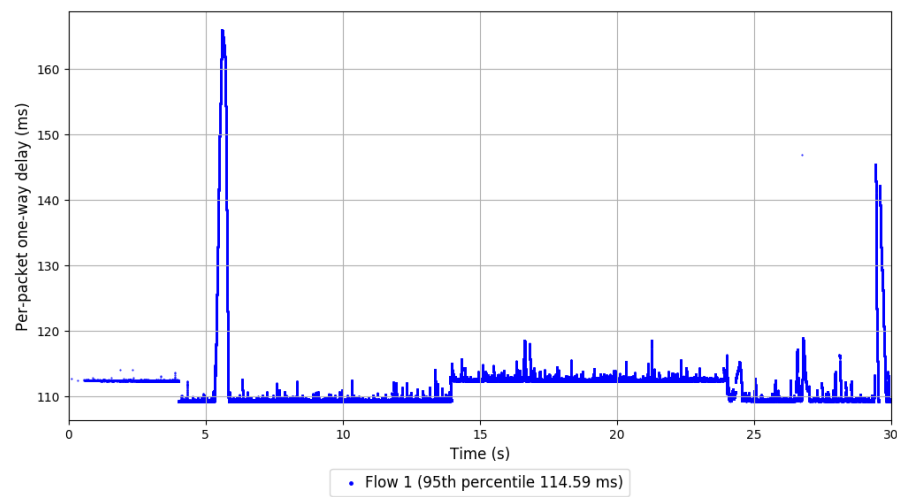
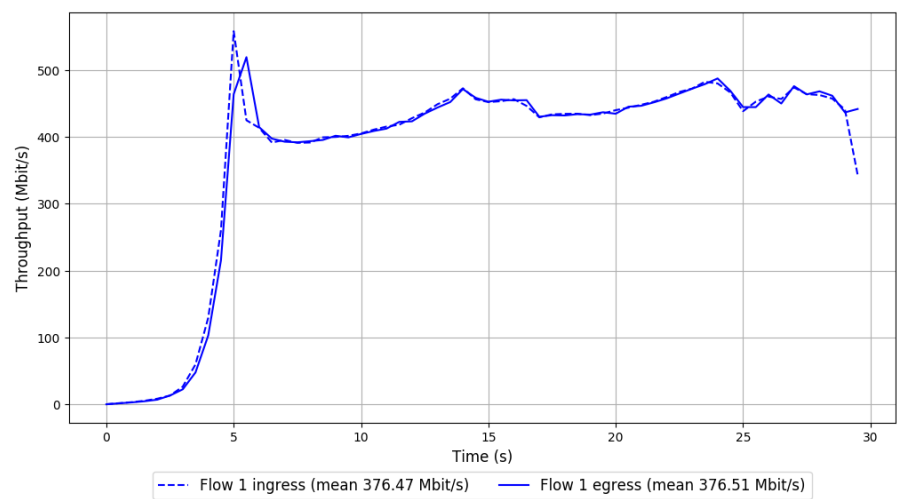
-- Flow 1:

Average throughput: 376.51 Mbit/s

95th percentile per-packet one-way delay: 114.587 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-27 10:04:43

End at: 2018-02-27 10:05:13

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 365.43 Mbit/s

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

Loss rate: 0.00%

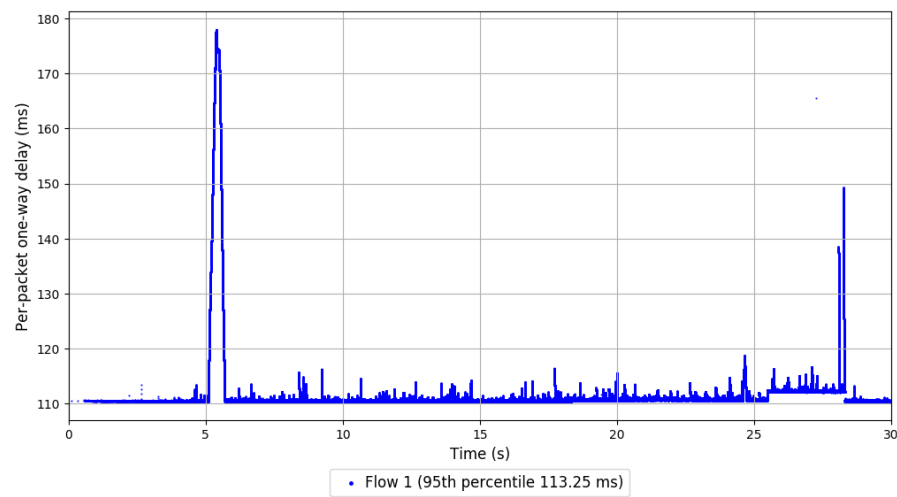
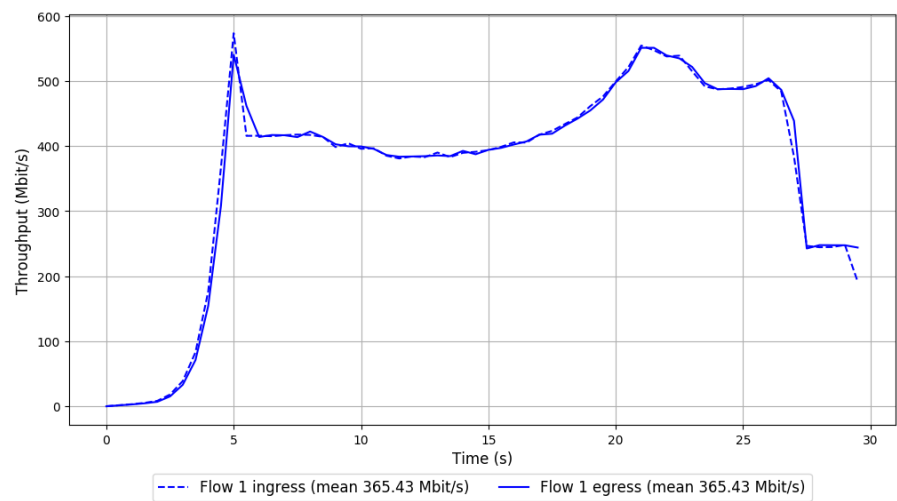
-- Flow 1:

Average throughput: 365.43 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-27 10:19:59

End at: 2018-02-27 10:20:29

Below is generated by plot.py at 2018-02-27 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.03 Mbit/s

95th percentile per-packet one-way delay: 161.011 ms

Loss rate: 0.42%

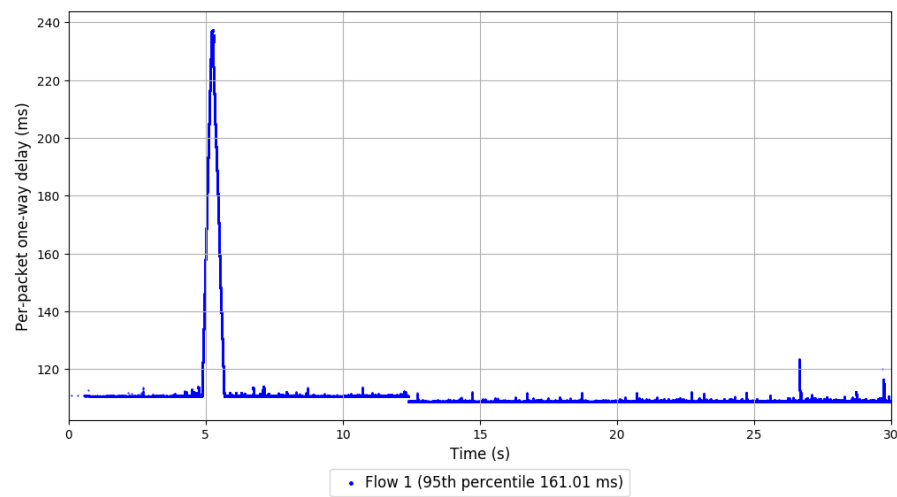
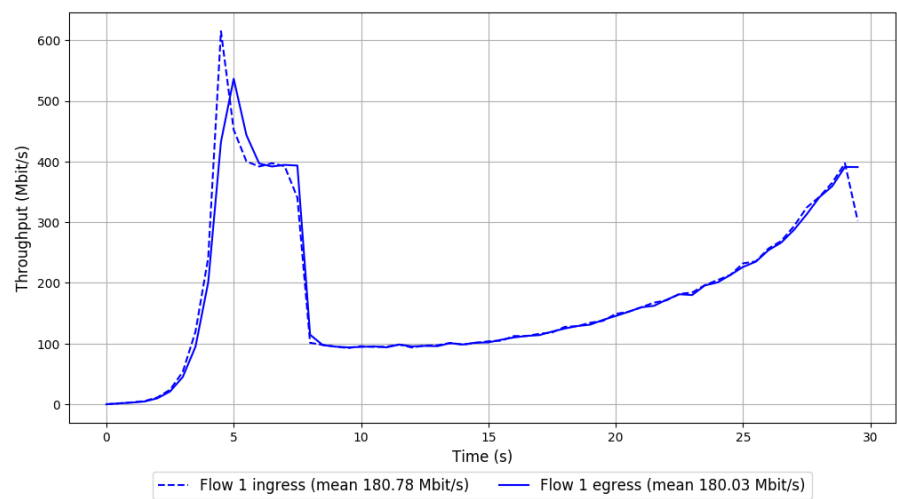
-- Flow 1:

Average throughput: 180.03 Mbit/s

95th percentile per-packet one-way delay: 161.011 ms

Loss rate: 0.42%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-27 10:35:14

End at: 2018-02-27 10:35:44

Below is generated by plot.py at 2018-02-27 13:42:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.39 Mbit/s

95th percentile per-packet one-way delay: 115.338 ms

Loss rate: 0.14%

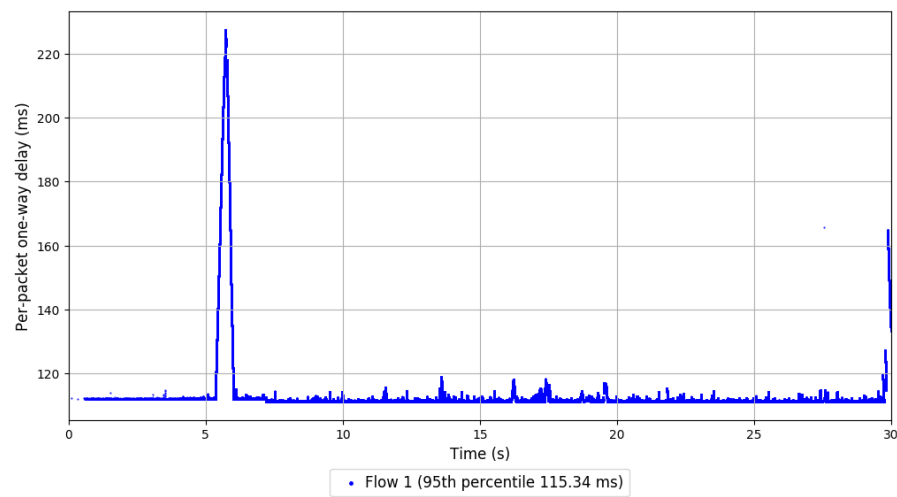
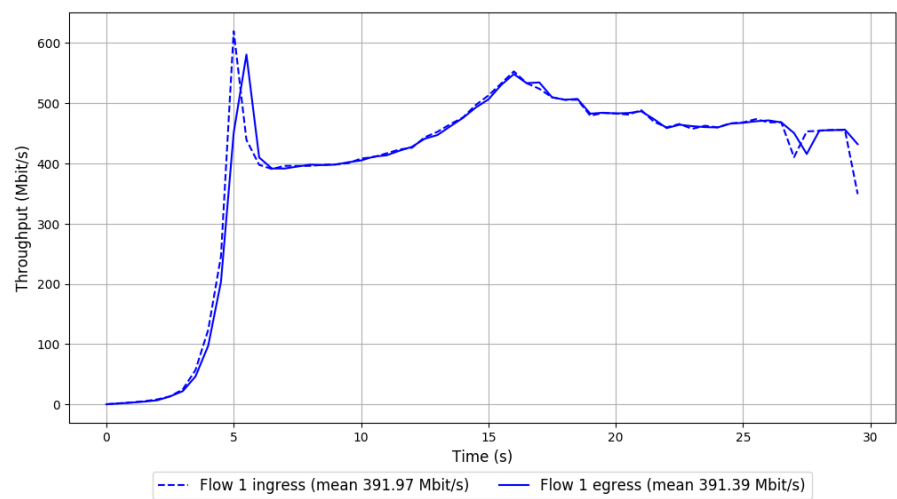
-- Flow 1:

Average throughput: 391.39 Mbit/s

95th percentile per-packet one-way delay: 115.338 ms

Loss rate: 0.14%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-27 10:50:30

End at: 2018-02-27 10:51:00

Below is generated by plot.py at 2018-02-27 13:42:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.39 Mbit/s

95th percentile per-packet one-way delay: 122.772 ms

Loss rate: 0.43%

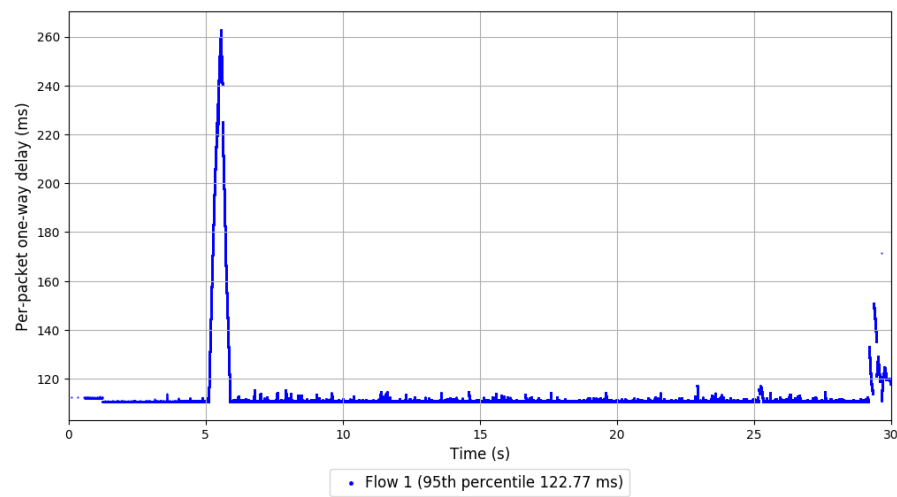
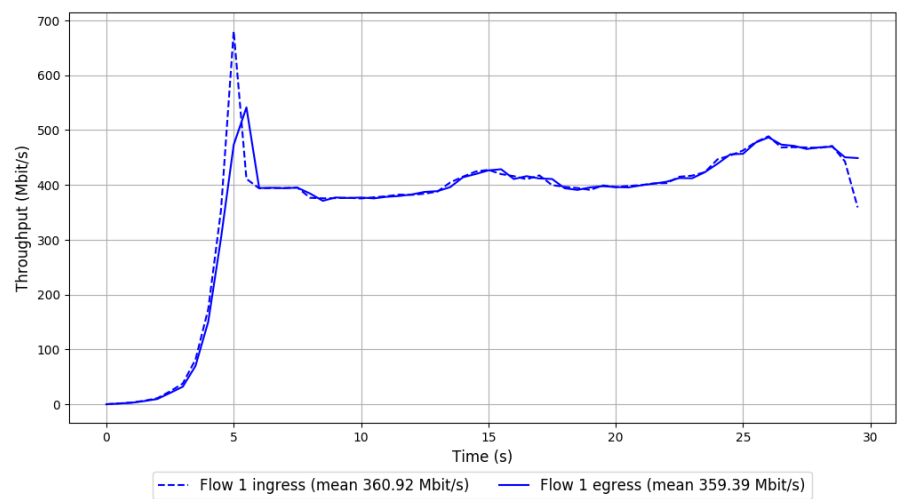
-- Flow 1:

Average throughput: 359.39 Mbit/s

95th percentile per-packet one-way delay: 122.772 ms

Loss rate: 0.43%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-27 11:05:58

End at: 2018-02-27 11:06:28

Below is generated by plot.py at 2018-02-27 13:42:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.02 Mbit/s

95th percentile per-packet one-way delay: 112.893 ms

Loss rate: 0.17%

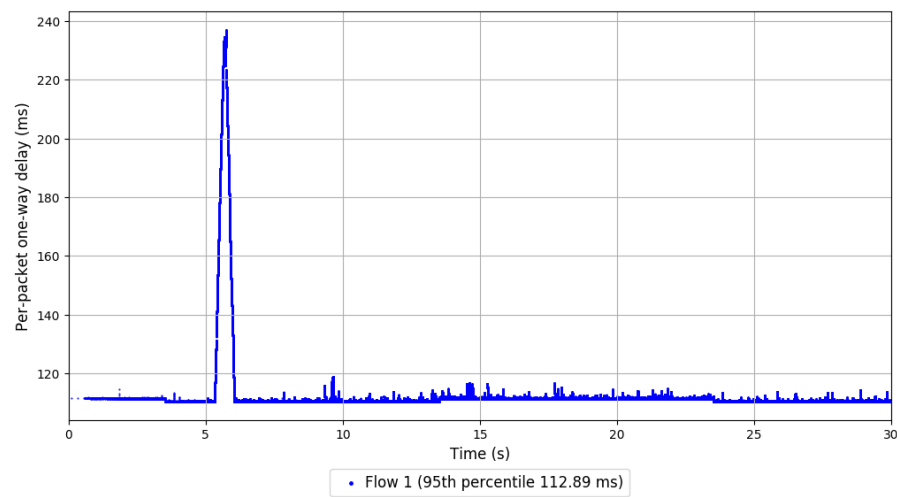
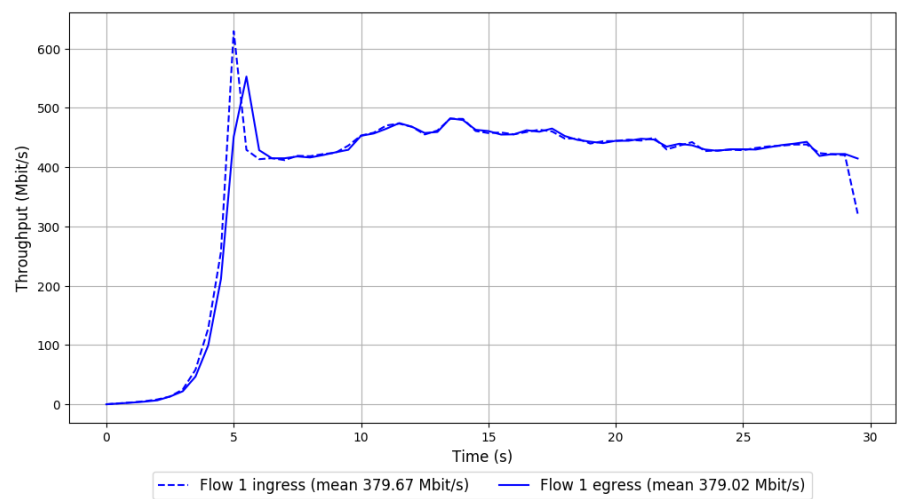
-- Flow 1:

Average throughput: 379.02 Mbit/s

95th percentile per-packet one-way delay: 112.893 ms

Loss rate: 0.17%

Run 10: Report of Vivace-latency — Data Link

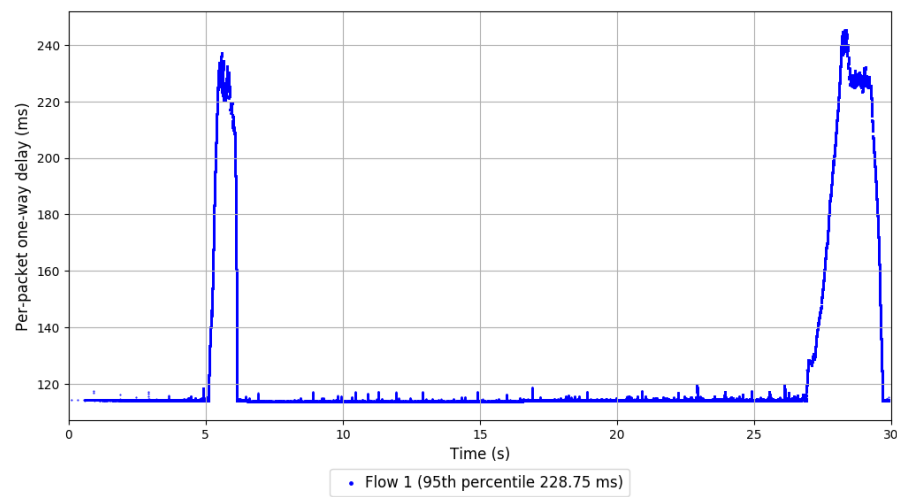
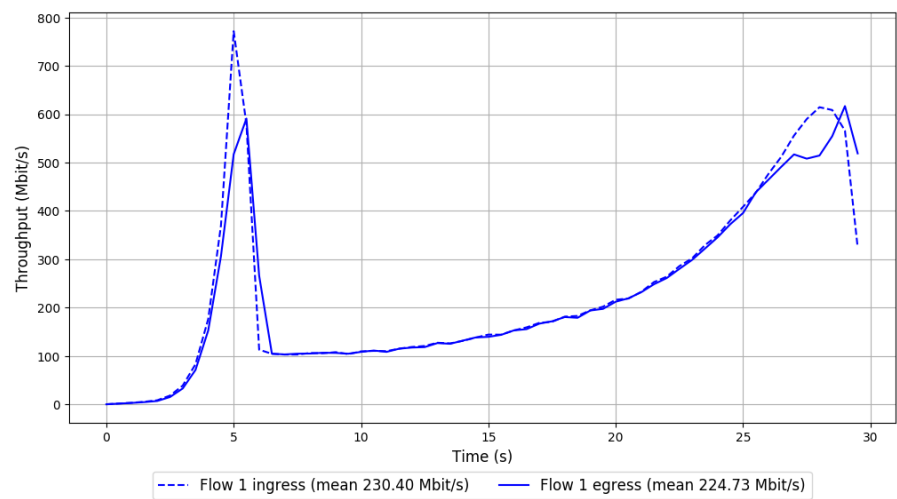


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-27 08:44:35
End at: 2018-02-27 08:45:05

# Below is generated by plot.py at 2018-02-27 13:42:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.73 Mbit/s
95th percentile per-packet one-way delay: 228.747 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 224.73 Mbit/s
95th percentile per-packet one-way delay: 228.747 ms
Loss rate: 2.47%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-27 08:59:52

End at: 2018-02-27 09:00:22

Below is generated by plot.py at 2018-02-27 13:42:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.17 Mbit/s

95th percentile per-packet one-way delay: 232.578 ms

Loss rate: 3.93%

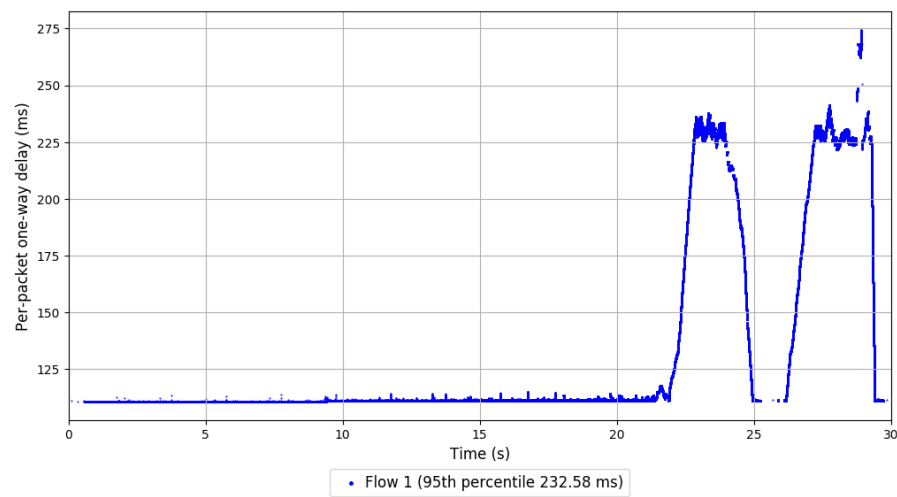
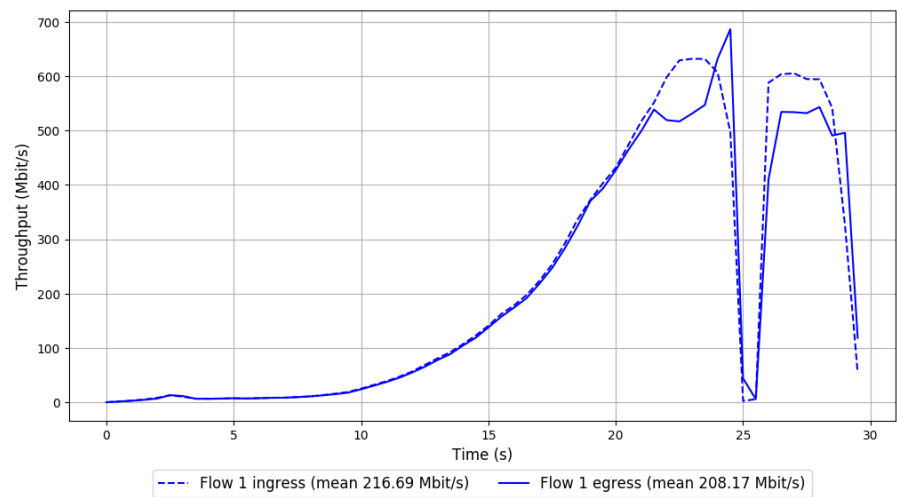
-- Flow 1:

Average throughput: 208.17 Mbit/s

95th percentile per-packet one-way delay: 232.578 ms

Loss rate: 3.93%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-27 09:15:16

End at: 2018-02-27 09:15:46

Below is generated by plot.py at 2018-02-27 13:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.74 Mbit/s

95th percentile per-packet one-way delay: 244.573 ms

Loss rate: 18.27%

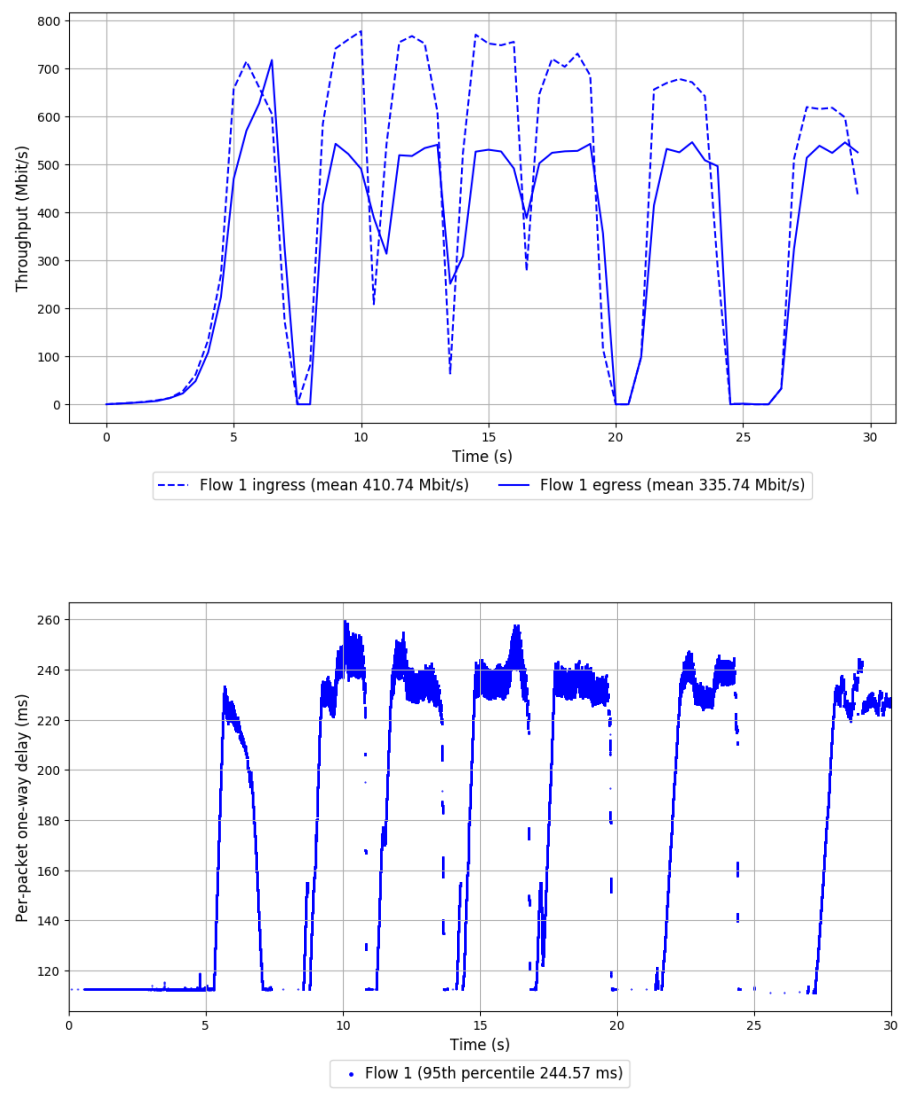
-- Flow 1:

Average throughput: 335.74 Mbit/s

95th percentile per-packet one-way delay: 244.573 ms

Loss rate: 18.27%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-27 09:31:01

End at: 2018-02-27 09:31:31

Below is generated by plot.py at 2018-02-27 13:45:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.35 Mbit/s

95th percentile per-packet one-way delay: 229.857 ms

Loss rate: 4.80%

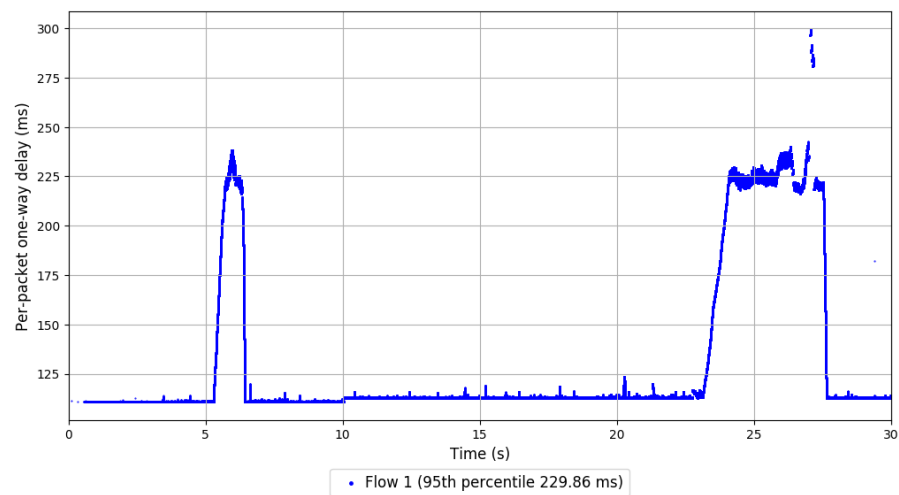
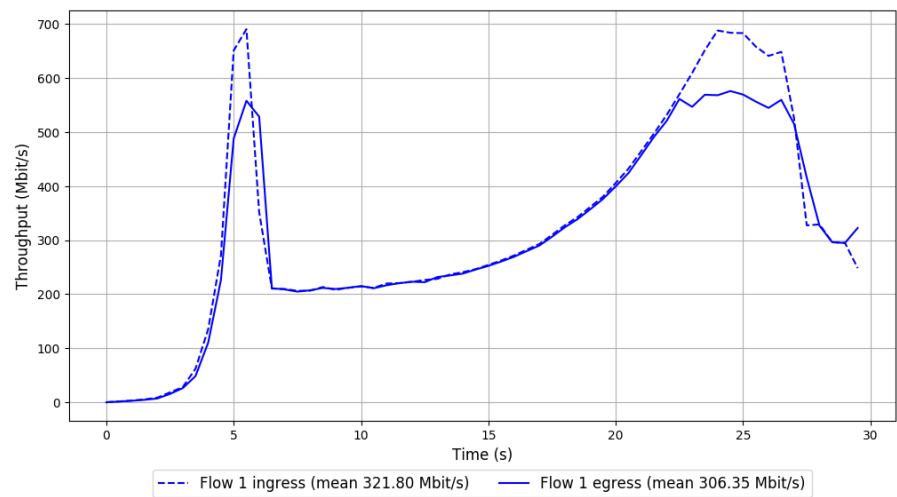
-- Flow 1:

Average throughput: 306.35 Mbit/s

95th percentile per-packet one-way delay: 229.857 ms

Loss rate: 4.80%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-27 09:46:54

End at: 2018-02-27 09:47:24

Below is generated by plot.py at 2018-02-27 13:45:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.81 Mbit/s

95th percentile per-packet one-way delay: 219.834 ms

Loss rate: 1.37%

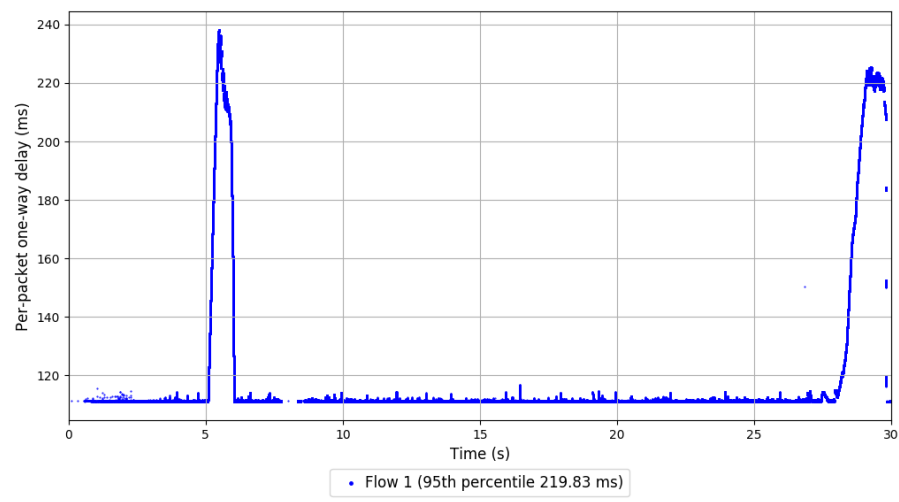
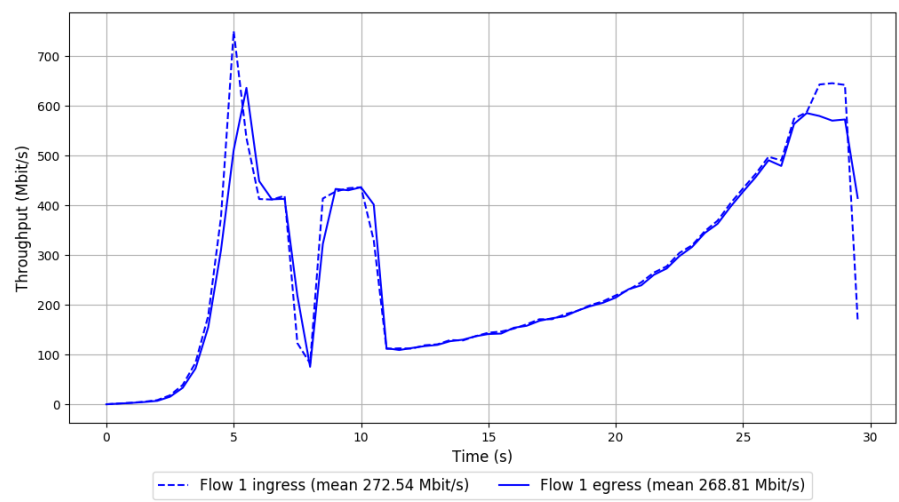
-- Flow 1:

Average throughput: 268.81 Mbit/s

95th percentile per-packet one-way delay: 219.834 ms

Loss rate: 1.37%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-27 10:02:42

End at: 2018-02-27 10:03:12

Below is generated by plot.py at 2018-02-27 13:47:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.39 Mbit/s

95th percentile per-packet one-way delay: 237.835 ms

Loss rate: 5.00%

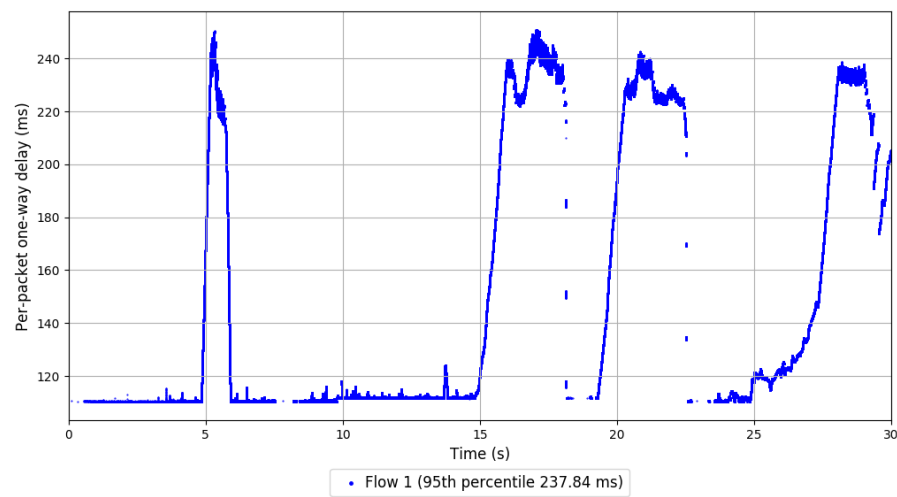
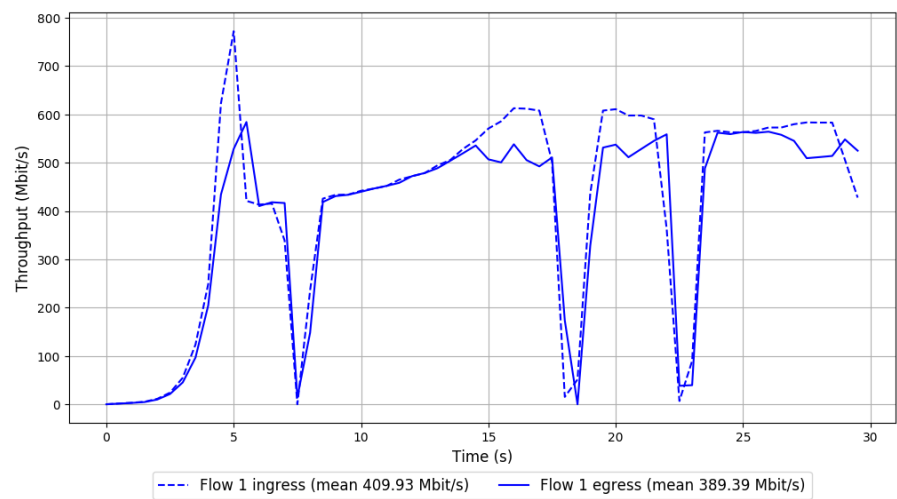
-- Flow 1:

Average throughput: 389.39 Mbit/s

95th percentile per-packet one-way delay: 237.835 ms

Loss rate: 5.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-27 10:18:07

End at: 2018-02-27 10:18:37

Below is generated by plot.py at 2018-02-27 13:47:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.86 Mbit/s

95th percentile per-packet one-way delay: 251.950 ms

Loss rate: 5.72%

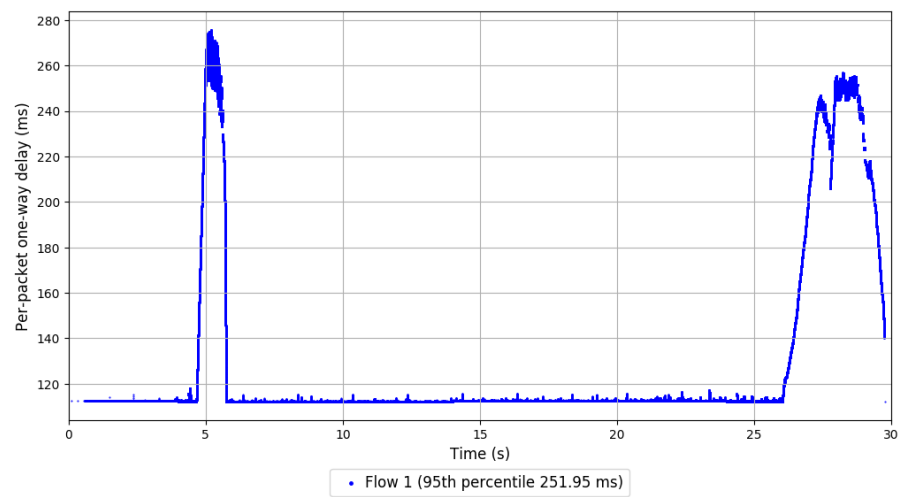
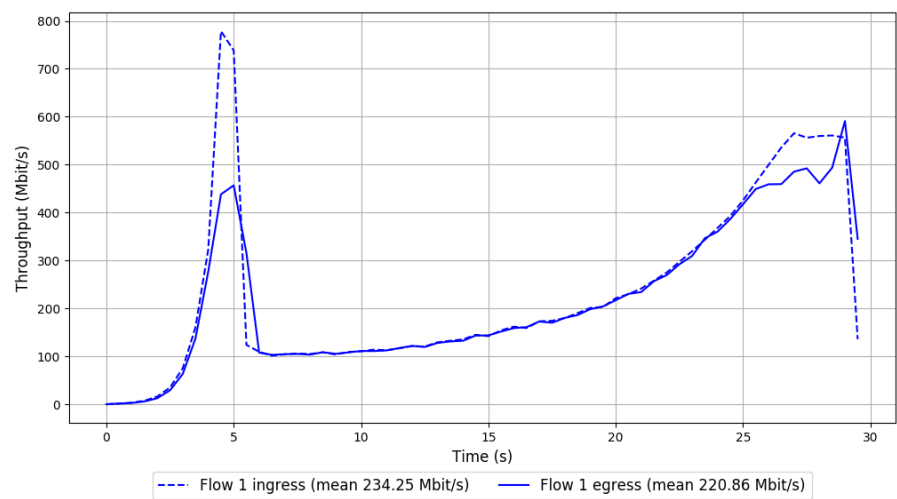
-- Flow 1:

Average throughput: 220.86 Mbit/s

95th percentile per-packet one-way delay: 251.950 ms

Loss rate: 5.72%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-27 10:33:15

End at: 2018-02-27 10:33:45

Below is generated by plot.py at 2018-02-27 13:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.74 Mbit/s

95th percentile per-packet one-way delay: 241.335 ms

Loss rate: 6.98%

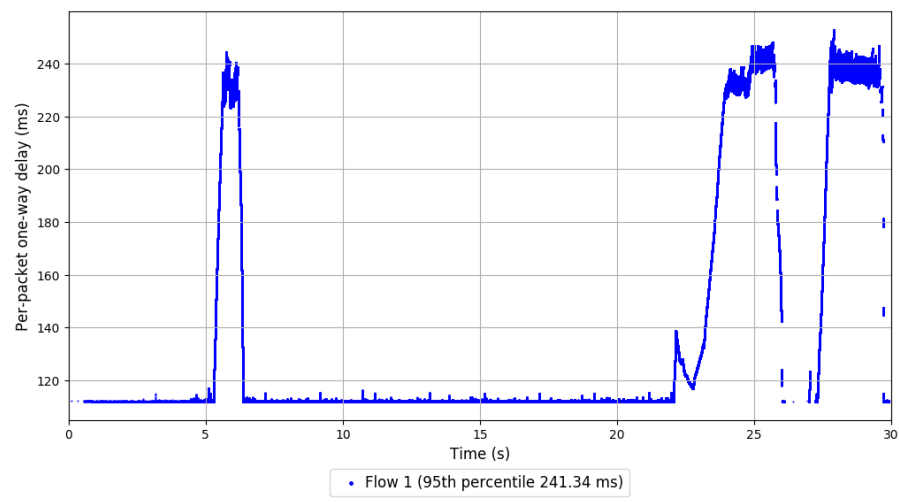
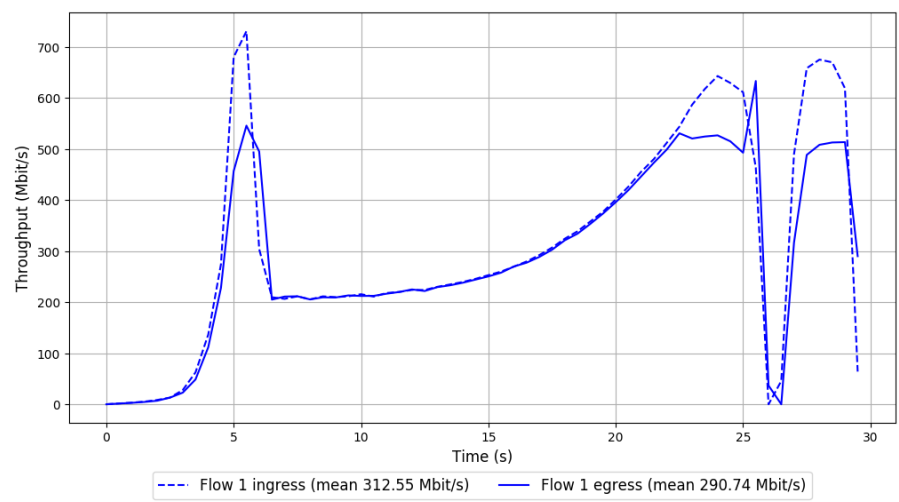
-- Flow 1:

Average throughput: 290.74 Mbit/s

95th percentile per-packet one-way delay: 241.335 ms

Loss rate: 6.98%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-27 10:48:44

End at: 2018-02-27 10:49:14

Below is generated by plot.py at 2018-02-27 13:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.33 Mbit/s

95th percentile per-packet one-way delay: 236.106 ms

Loss rate: 6.31%

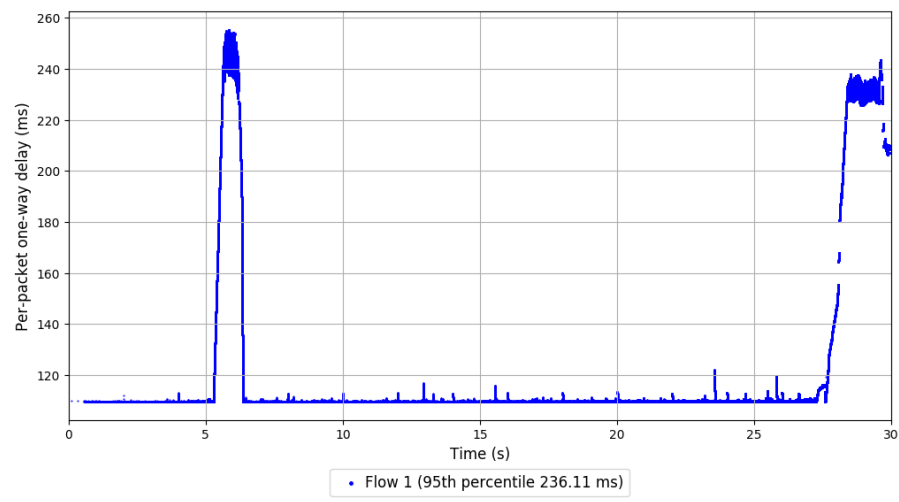
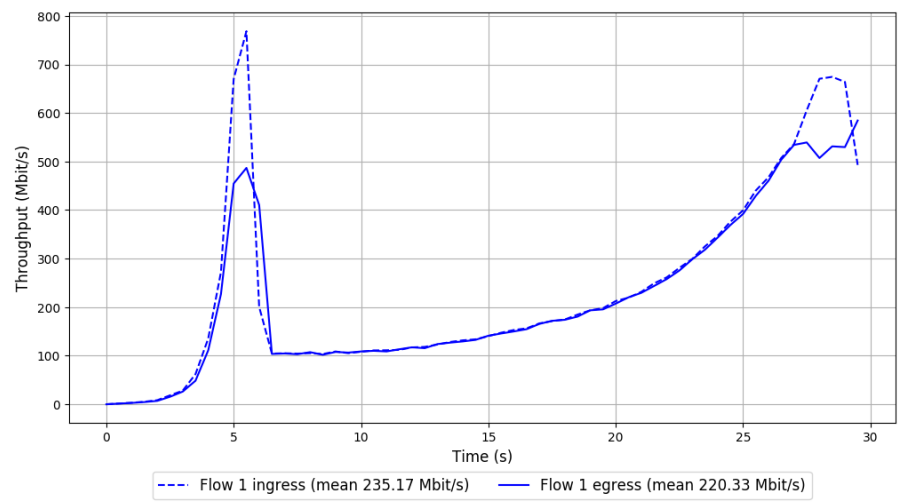
-- Flow 1:

Average throughput: 220.33 Mbit/s

95th percentile per-packet one-way delay: 236.106 ms

Loss rate: 6.31%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-27 11:04:07

End at: 2018-02-27 11:04:37

Below is generated by plot.py at 2018-02-27 13:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.10 Mbit/s

95th percentile per-packet one-way delay: 238.371 ms

Loss rate: 3.76%

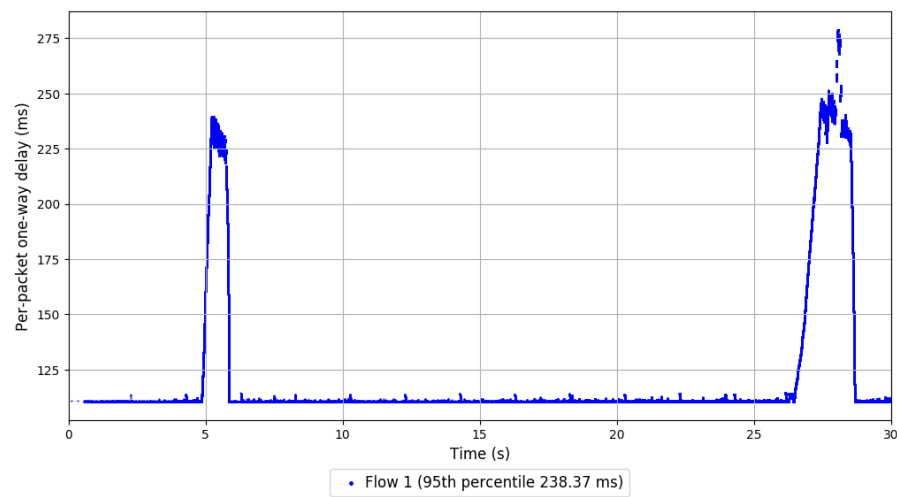
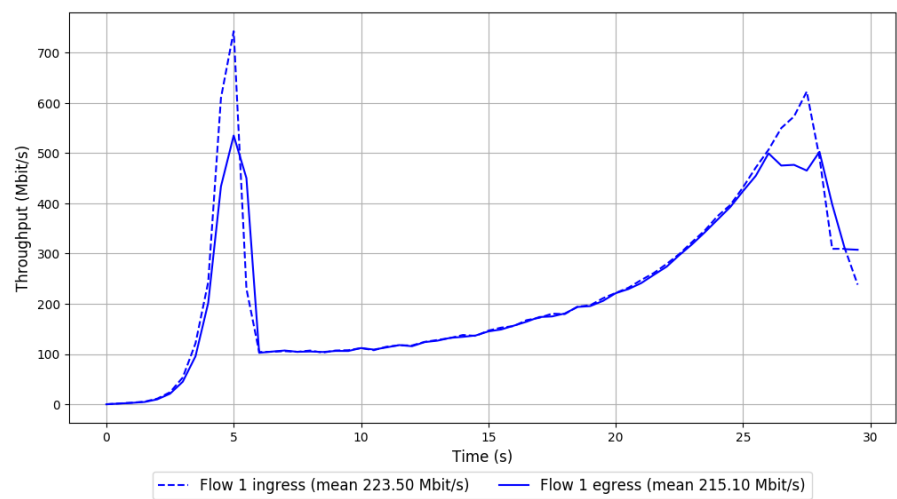
-- Flow 1:

Average throughput: 215.10 Mbit/s

95th percentile per-packet one-way delay: 238.371 ms

Loss rate: 3.76%

Run 10: Report of Vivace-loss — Data Link

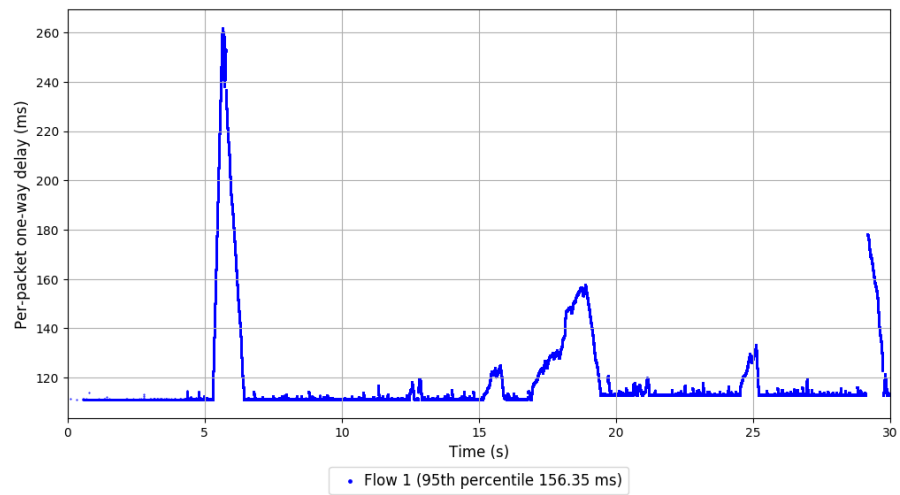
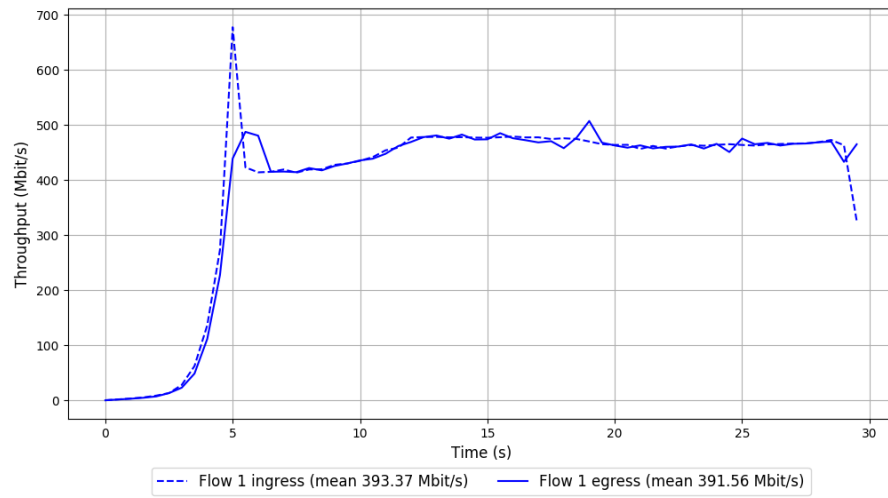


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-27 08:50:33
End at: 2018-02-27 08:51:03

# Below is generated by plot.py at 2018-02-27 13:51:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.56 Mbit/s
95th percentile per-packet one-way delay: 156.354 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 391.56 Mbit/s
95th percentile per-packet one-way delay: 156.354 ms
Loss rate: 0.46%
```

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-27 09:05:44

End at: 2018-02-27 09:06:14

Below is generated by plot.py at 2018-02-27 13:51:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.59 Mbit/s

95th percentile per-packet one-way delay: 140.895 ms

Loss rate: 0.20%

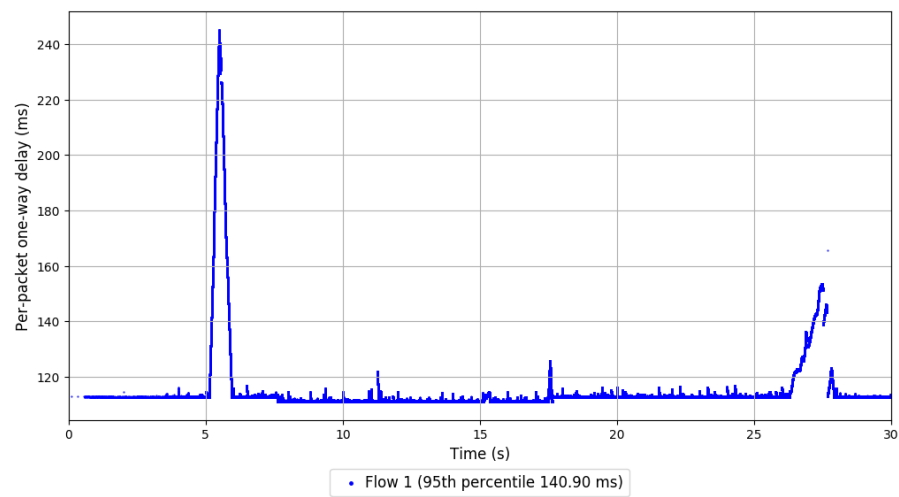
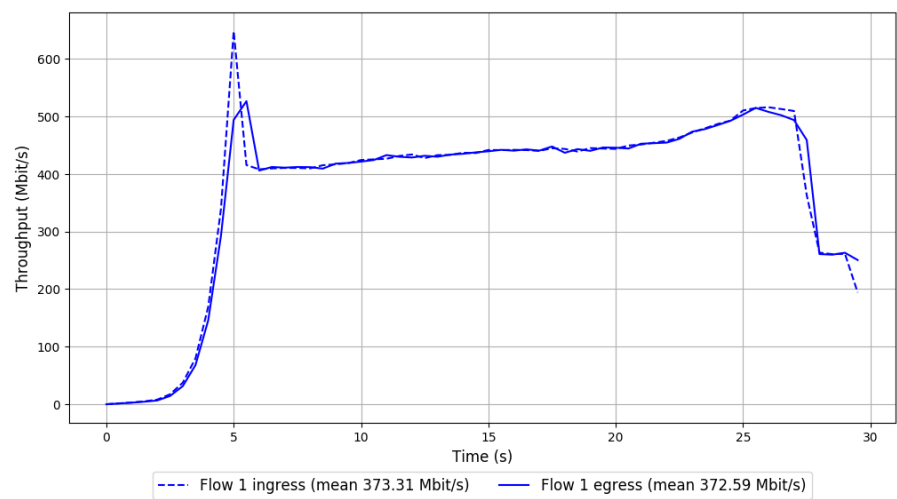
-- Flow 1:

Average throughput: 372.59 Mbit/s

95th percentile per-packet one-way delay: 140.895 ms

Loss rate: 0.20%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-27 09:21:42

End at: 2018-02-27 09:22:12

Below is generated by plot.py at 2018-02-27 13:51:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.21 Mbit/s

95th percentile per-packet one-way delay: 126.714 ms

Loss rate: 0.20%

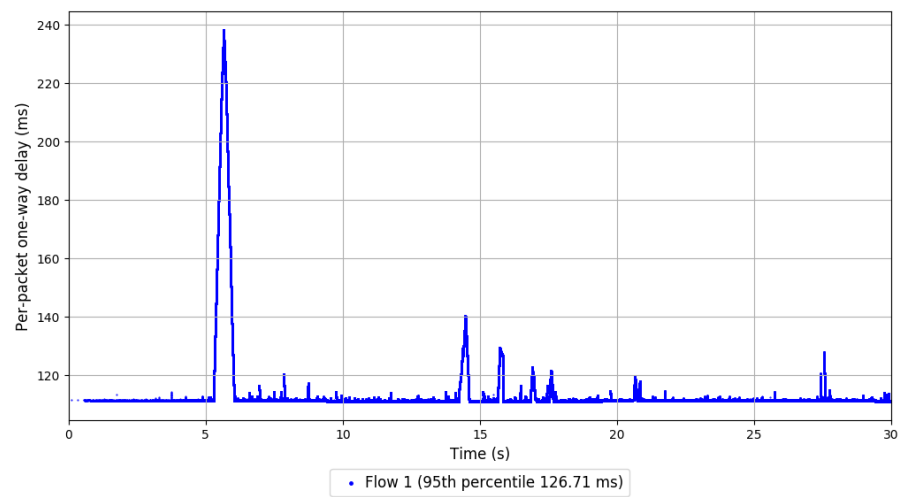
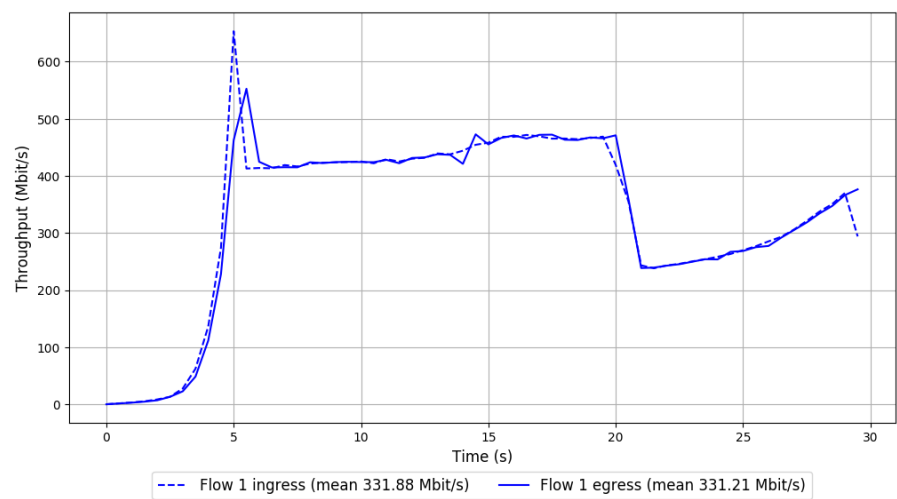
-- Flow 1:

Average throughput: 331.21 Mbit/s

95th percentile per-packet one-way delay: 126.714 ms

Loss rate: 0.20%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-27 09:37:26

End at: 2018-02-27 09:37:56

Below is generated by plot.py at 2018-02-27 13:52:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 400.27 Mbit/s

95th percentile per-packet one-way delay: 219.187 ms

Loss rate: 0.36%

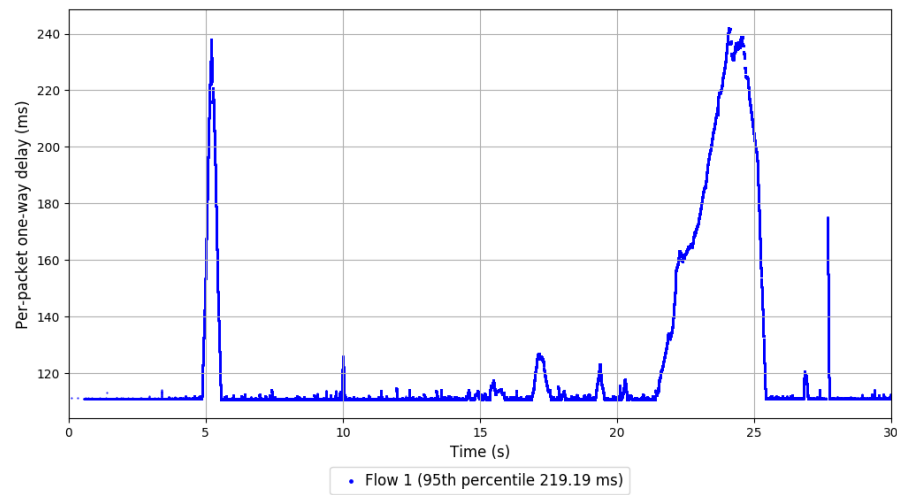
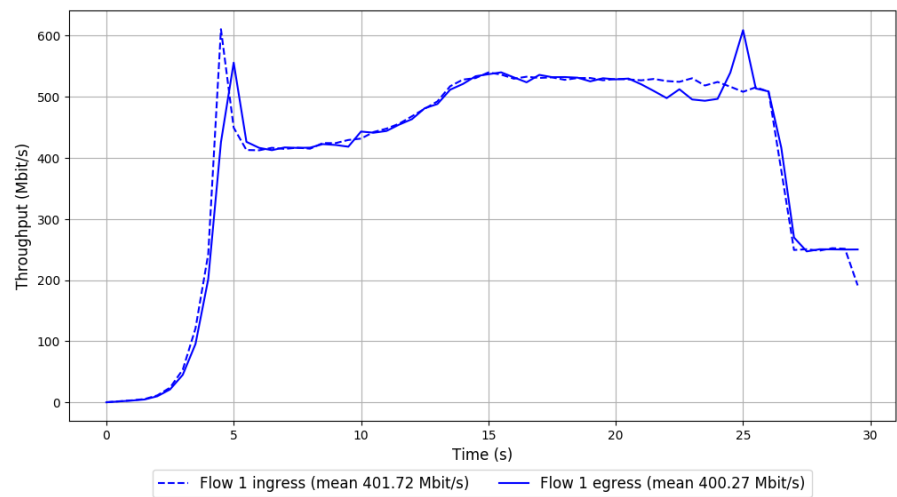
-- Flow 1:

Average throughput: 400.27 Mbit/s

95th percentile per-packet one-way delay: 219.187 ms

Loss rate: 0.36%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-27 09:53:17

End at: 2018-02-27 09:53:47

Below is generated by plot.py at 2018-02-27 13:53:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 406.80 Mbit/s

95th percentile per-packet one-way delay: 125.634 ms

Loss rate: 0.02%

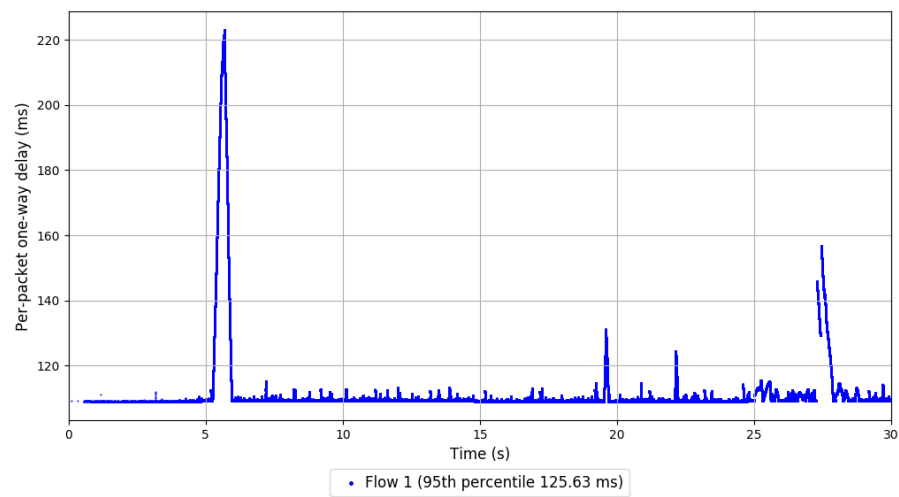
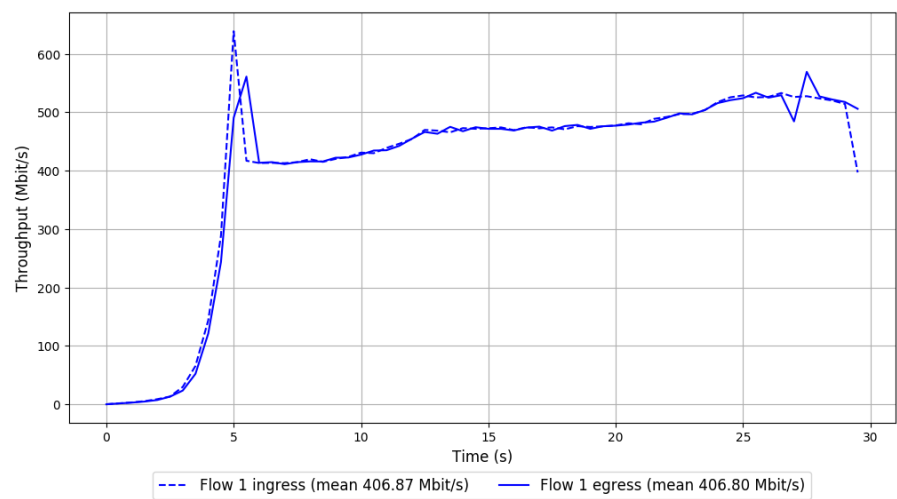
-- Flow 1:

Average throughput: 406.80 Mbit/s

95th percentile per-packet one-way delay: 125.634 ms

Loss rate: 0.02%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-27 10:08:48

End at: 2018-02-27 10:09:18

Below is generated by plot.py at 2018-02-27 13:53:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.06 Mbit/s

95th percentile per-packet one-way delay: 126.261 ms

Loss rate: 0.20%

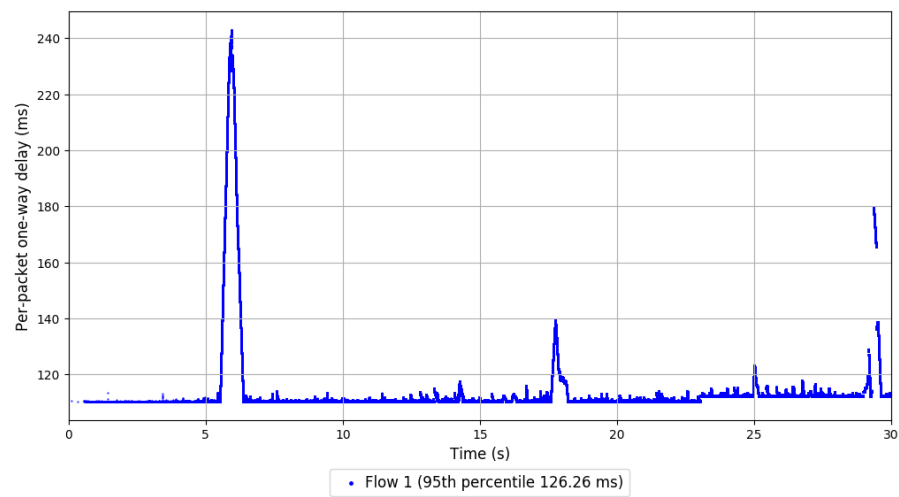
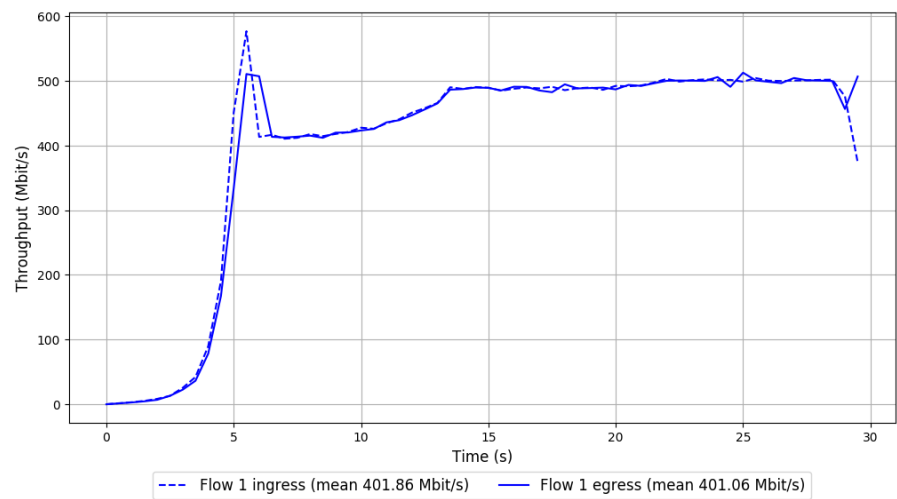
-- Flow 1:

Average throughput: 401.06 Mbit/s

95th percentile per-packet one-way delay: 126.261 ms

Loss rate: 0.20%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-27 10:23:52

End at: 2018-02-27 10:24:22

Below is generated by plot.py at 2018-02-27 13:53:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.54 Mbit/s

95th percentile per-packet one-way delay: 115.689 ms

Loss rate: 0.14%

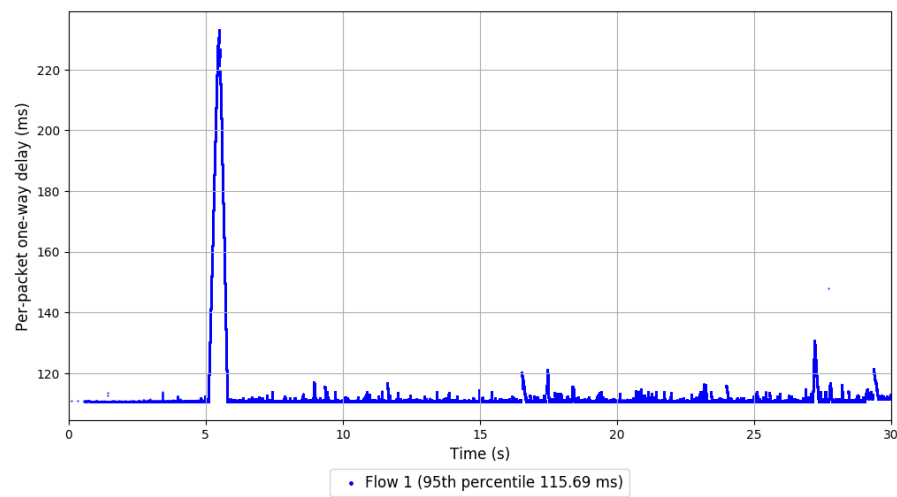
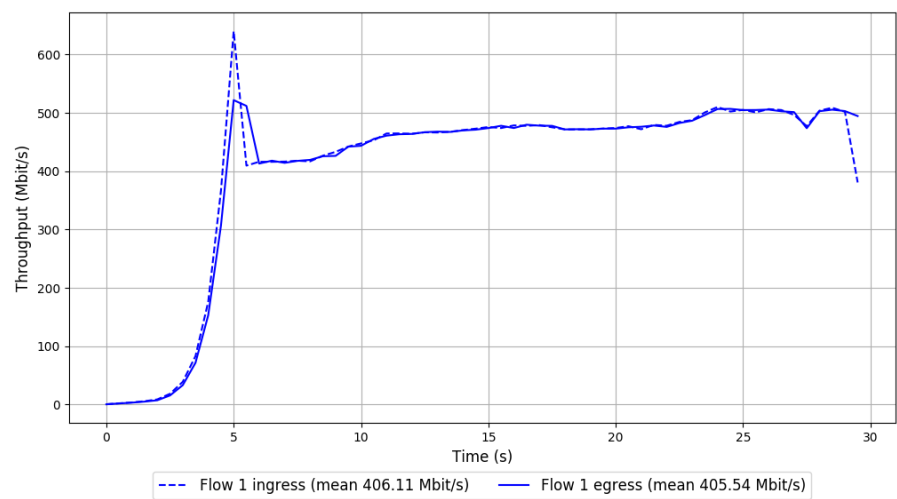
-- Flow 1:

Average throughput: 405.54 Mbit/s

95th percentile per-packet one-way delay: 115.689 ms

Loss rate: 0.14%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-27 10:39:17

End at: 2018-02-27 10:39:47

Below is generated by plot.py at 2018-02-27 13:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.29 Mbit/s

95th percentile per-packet one-way delay: 130.813 ms

Loss rate: 0.01%

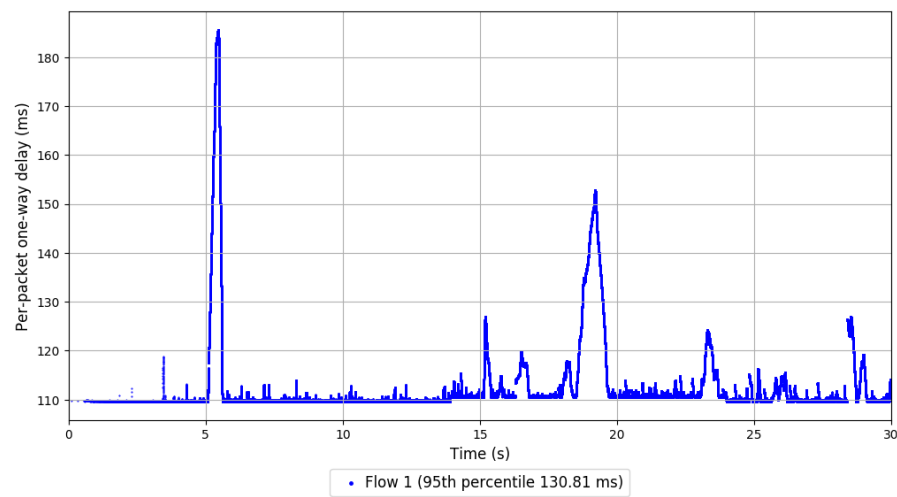
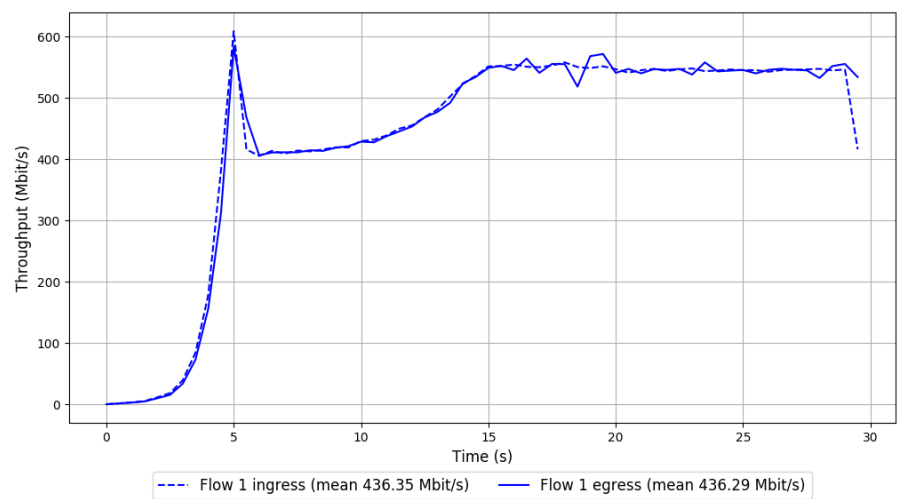
-- Flow 1:

Average throughput: 436.29 Mbit/s

95th percentile per-packet one-way delay: 130.813 ms

Loss rate: 0.01%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-27 10:54:42

End at: 2018-02-27 10:55:12

Below is generated by plot.py at 2018-02-27 13:54:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 407.86 Mbit/s

95th percentile per-packet one-way delay: 122.909 ms

Loss rate: 0.17%

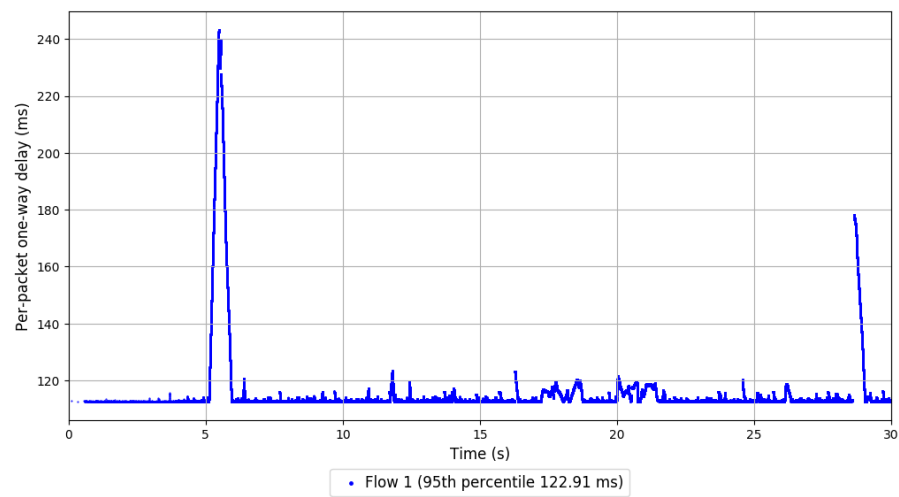
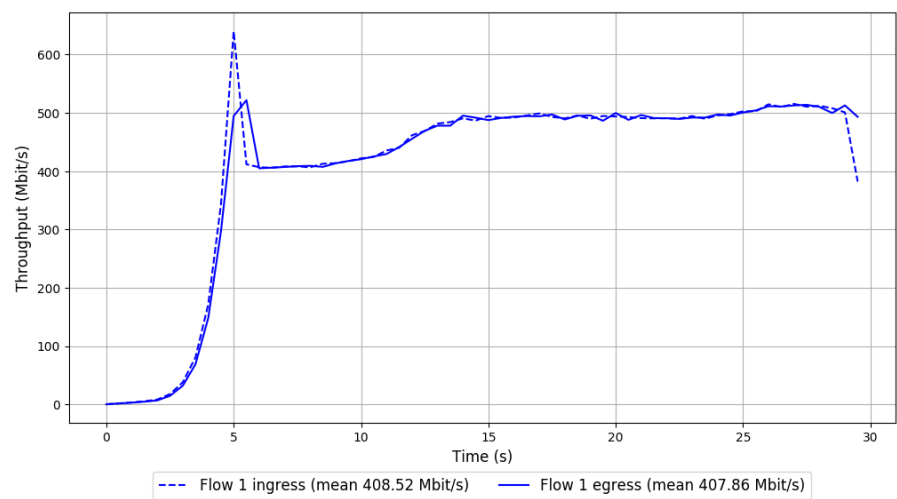
-- Flow 1:

Average throughput: 407.86 Mbit/s

95th percentile per-packet one-way delay: 122.909 ms

Loss rate: 0.17%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-27 11:10:05

End at: 2018-02-27 11:10:35

Below is generated by plot.py at 2018-02-27 13:54:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.39 Mbit/s

95th percentile per-packet one-way delay: 152.382 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 374.39 Mbit/s

95th percentile per-packet one-way delay: 152.382 ms

Loss rate: 0.24%

Run 10: Report of Vivace-LTE — Data Link

