

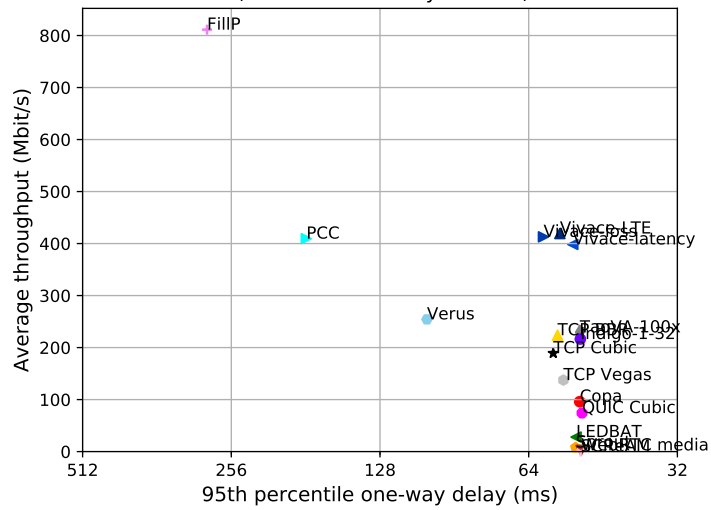
Pantheon Report

Generated at 2018-02-16 14:36:12 (UTC).
Data path: GCE Iowa Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

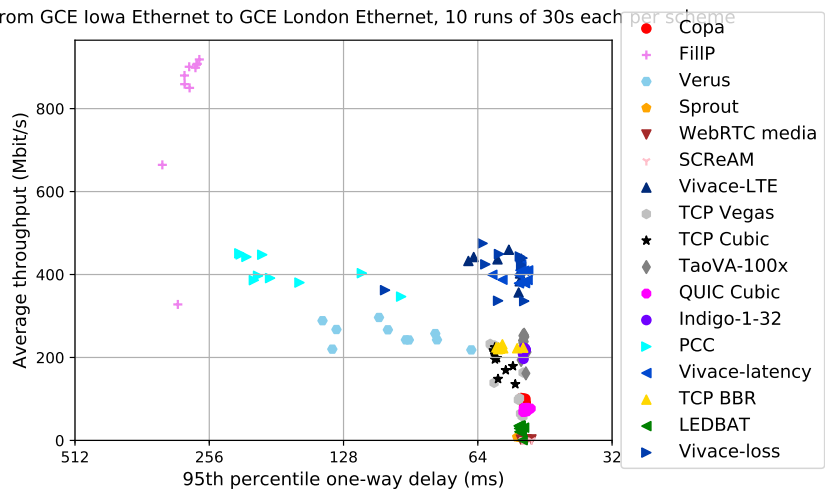
Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/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 Iowa Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa Ethernet to GCE London Ethernet, 10 runs of 30s each



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	223.69	55.95	0.00
TCP Cubic	10	189.16	57.08	0.01
LEDBAT	10	27.93	51.33	0.01
PCC	10	409.49	180.44	1.51
QUIC Cubic	9	74.16	49.92	0.00
SCReAM	10	0.22	50.24	0.01
WebRTC media	10	2.29	50.14	0.00
Sprout	10	7.93	51.43	0.00
TaoVA-100x	10	229.19	50.42	0.00
TCP Vegas	10	137.45	54.44	0.01
Verus	10	254.24	102.85	0.26
Copa	10	96.04	50.45	0.00
FillP	10	811.29	286.64	4.52
Indigo-1-32	10	216.38	50.31	0.00
Vivace-latency	10	398.32	52.11	0.01
Vivace-loss	10	412.90	59.73	0.08
Vivace-LTE	10	419.31	55.34	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 08:33:50

End at: 2018-02-16 08:34:20

Below is generated by plot.py at 2018-02-16 12:59:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.02 Mbit/s

95th percentile per-packet one-way delay: 57.646 ms

Loss rate: 0.00%

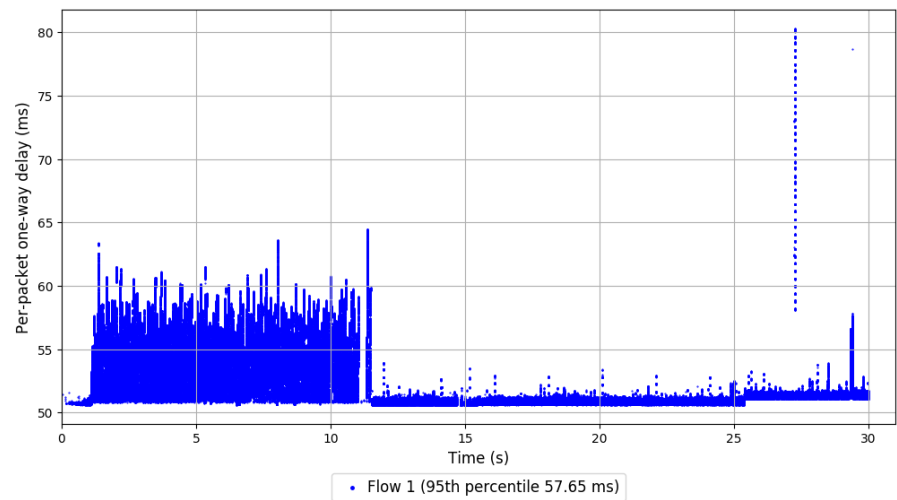
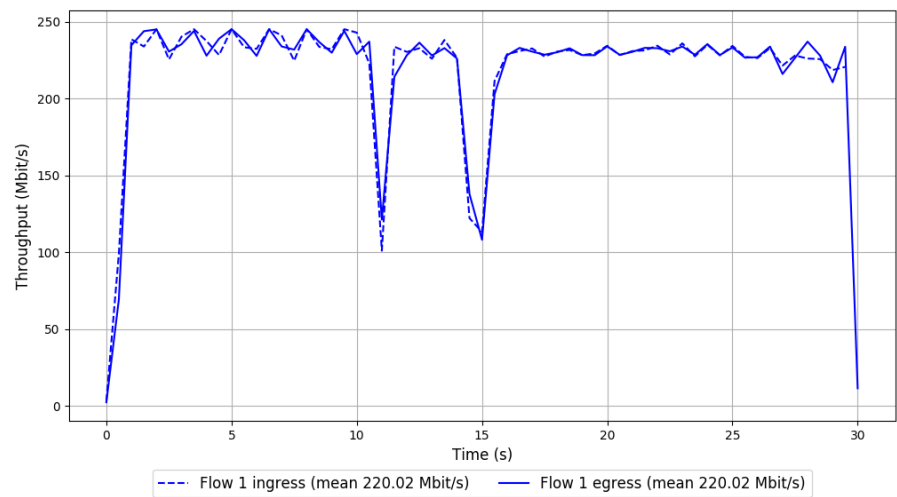
-- Flow 1:

Average throughput: 220.02 Mbit/s

95th percentile per-packet one-way delay: 57.646 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-16 08:48:19

End at: 2018-02-16 08:48:49

Below is generated by plot.py at 2018-02-16 12:59:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.40 Mbit/s

95th percentile per-packet one-way delay: 57.484 ms

Loss rate: 0.00%

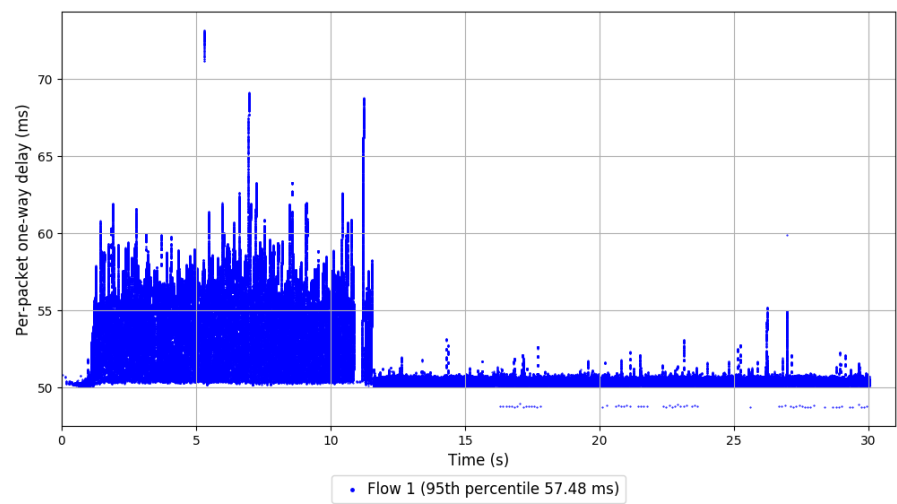
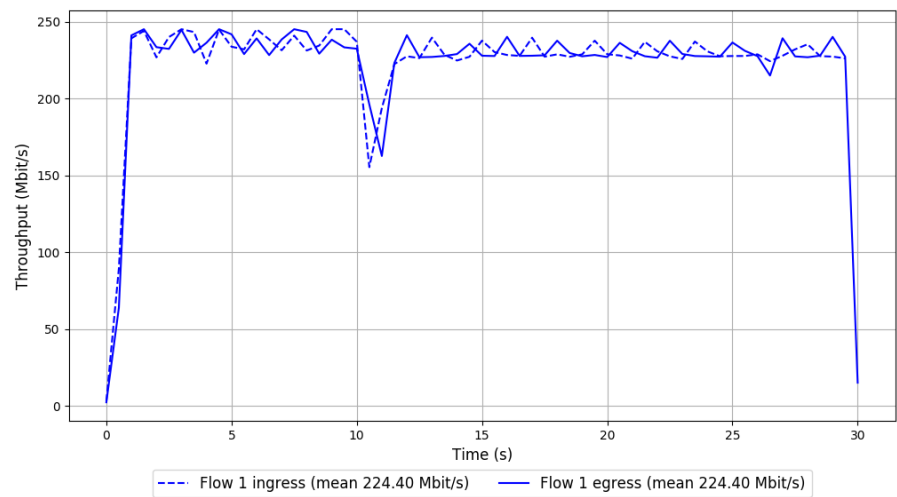
-- Flow 1:

Average throughput: 224.40 Mbit/s

95th percentile per-packet one-way delay: 57.484 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-16 09:03:10

End at: 2018-02-16 09:03:40

Below is generated by plot.py at 2018-02-16 12:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.28 Mbit/s

95th percentile per-packet one-way delay: 58.158 ms

Loss rate: 0.00%

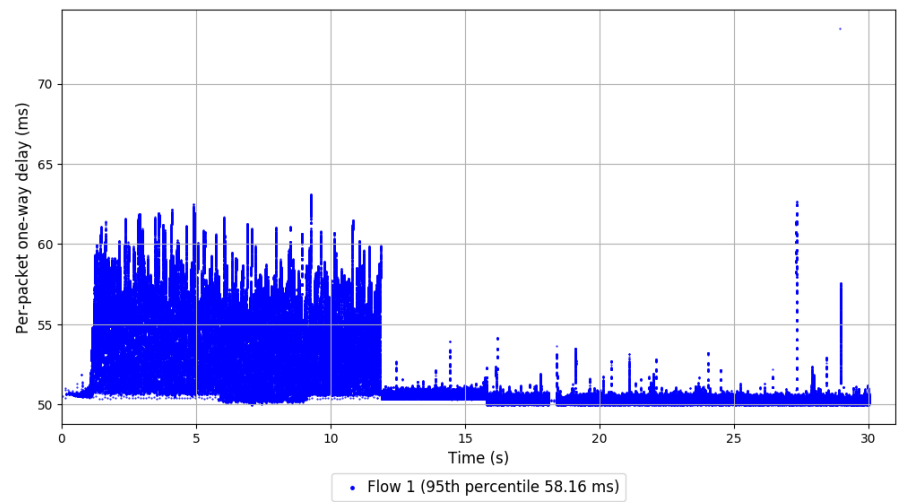
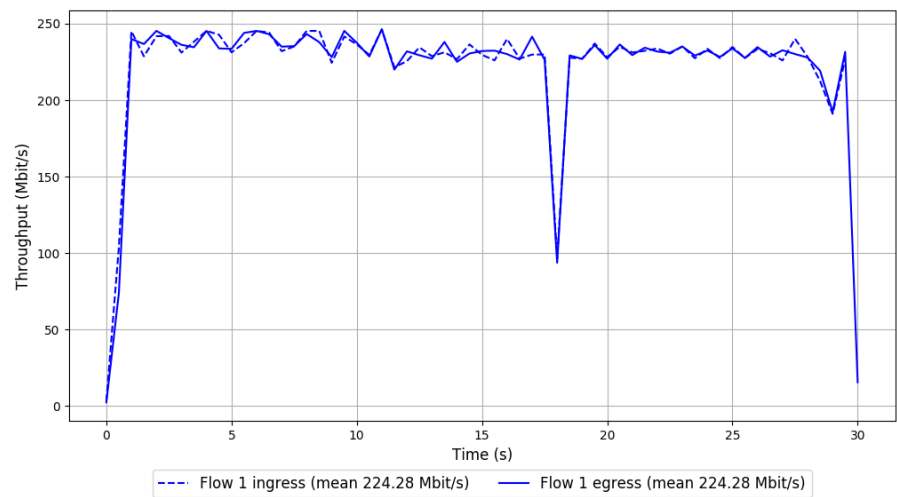
-- Flow 1:

Average throughput: 224.28 Mbit/s

95th percentile per-packet one-way delay: 58.158 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-16 09:18:01

End at: 2018-02-16 09:18:31

Below is generated by plot.py at 2018-02-16 12:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.00 Mbit/s

95th percentile per-packet one-way delay: 57.015 ms

Loss rate: 0.00%

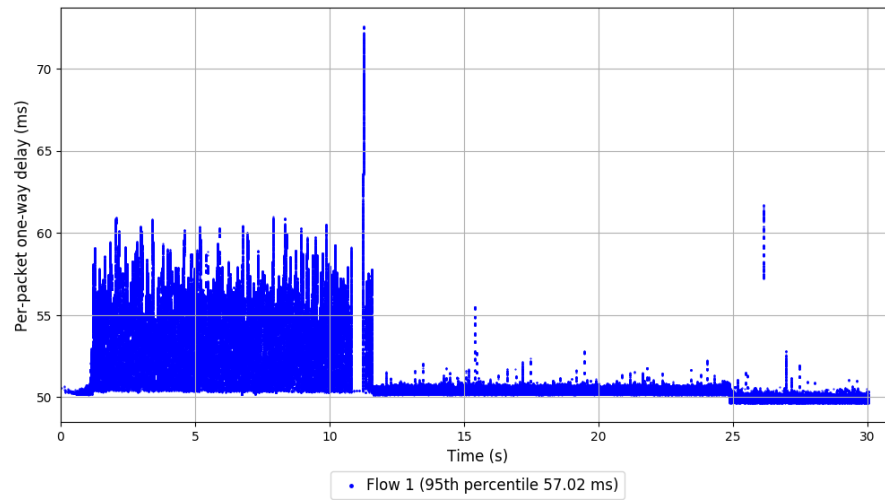
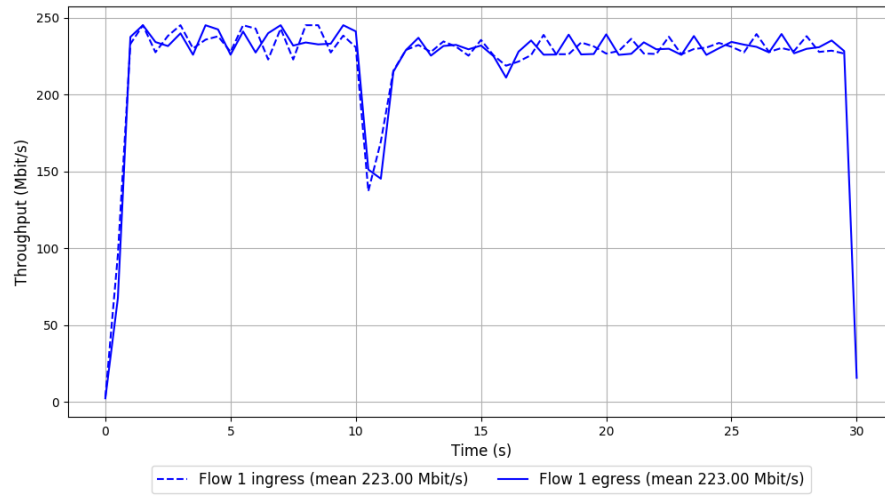
-- Flow 1:

Average throughput: 223.00 Mbit/s

95th percentile per-packet one-way delay: 57.015 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-16 09:32:45

End at: 2018-02-16 09:33:15

Below is generated by plot.py at 2018-02-16 12:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.17 Mbit/s

95th percentile per-packet one-way delay: 57.061 ms

Loss rate: 0.01%

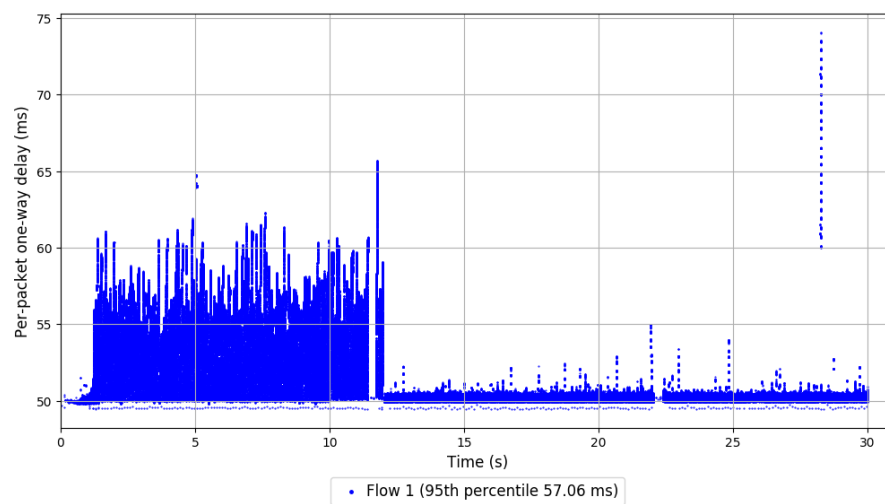
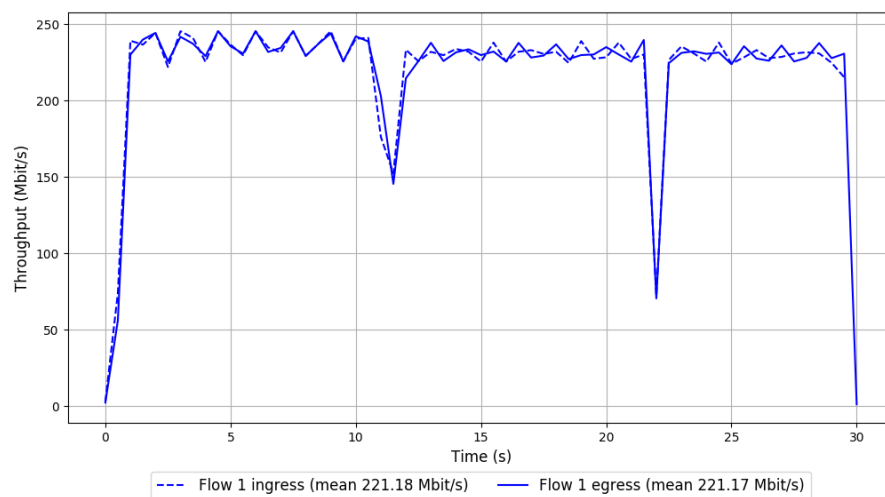
-- Flow 1:

Average throughput: 221.17 Mbit/s

95th percentile per-packet one-way delay: 57.061 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-16 09:47:37

End at: 2018-02-16 09:48:07

Below is generated by plot.py at 2018-02-16 12:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.66 Mbit/s

95th percentile per-packet one-way delay: 50.619 ms

Loss rate: 0.01%

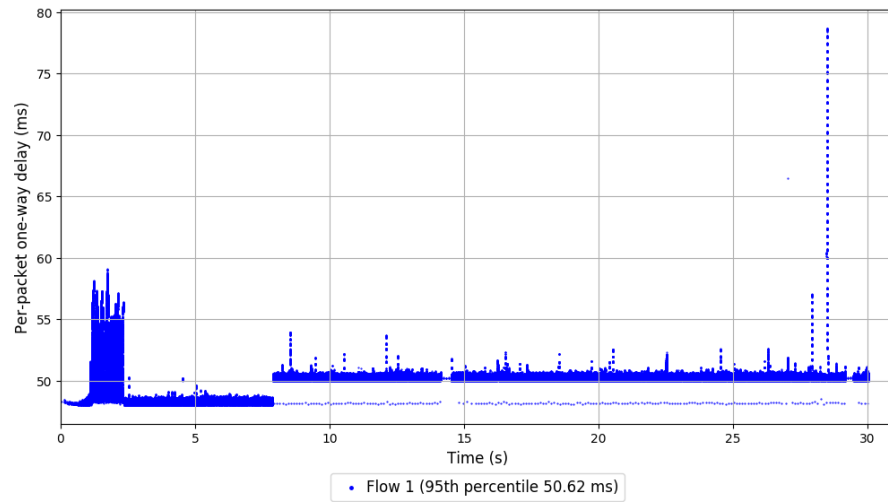
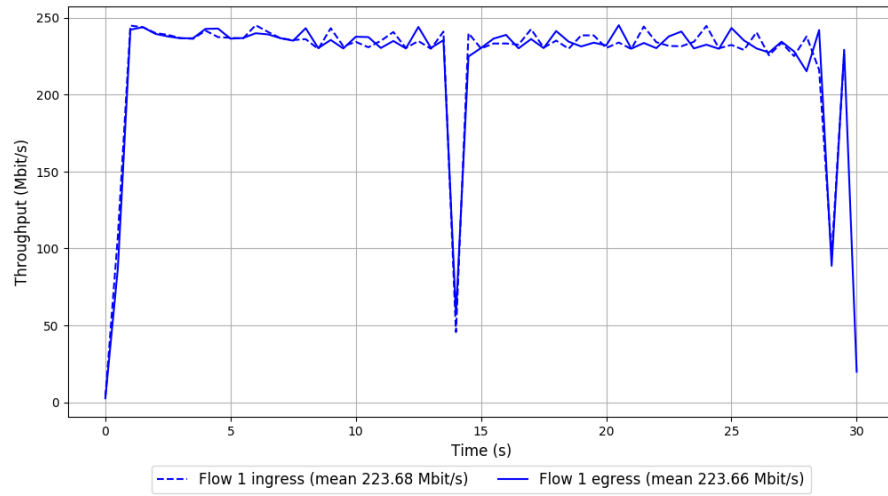
-- Flow 1:

Average throughput: 223.66 Mbit/s

95th percentile per-packet one-way delay: 50.619 ms

Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

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

End at: 2018-02-16 10:03:11

Below is generated by plot.py at 2018-02-16 12:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.85 Mbit/s

95th percentile per-packet one-way delay: 56.367 ms

Loss rate: 0.00%

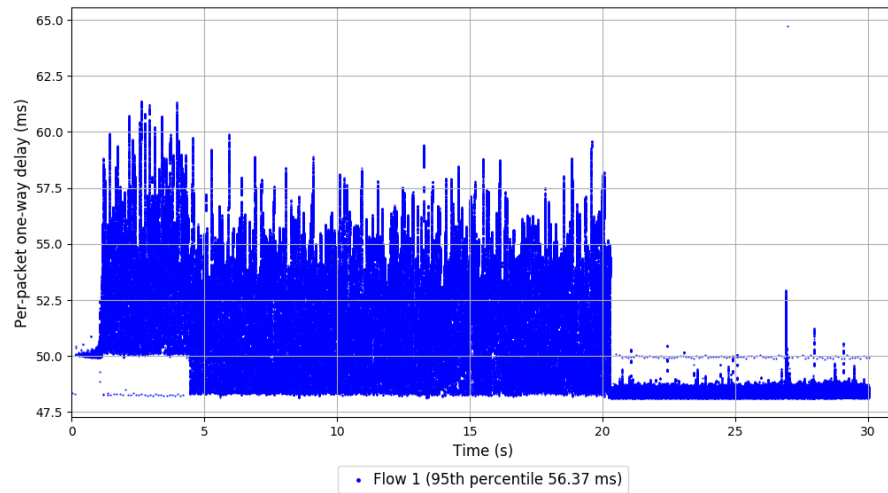
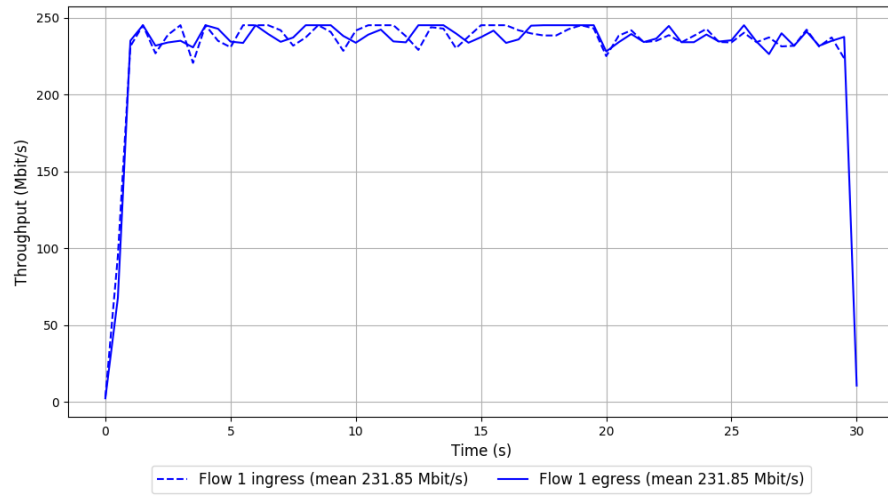
-- Flow 1:

Average throughput: 231.85 Mbit/s

95th percentile per-packet one-way delay: 56.367 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-16 10:17:22

End at: 2018-02-16 10:17:52

Below is generated by plot.py at 2018-02-16 12:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.03 Mbit/s

95th percentile per-packet one-way delay: 56.816 ms

Loss rate: 0.00%

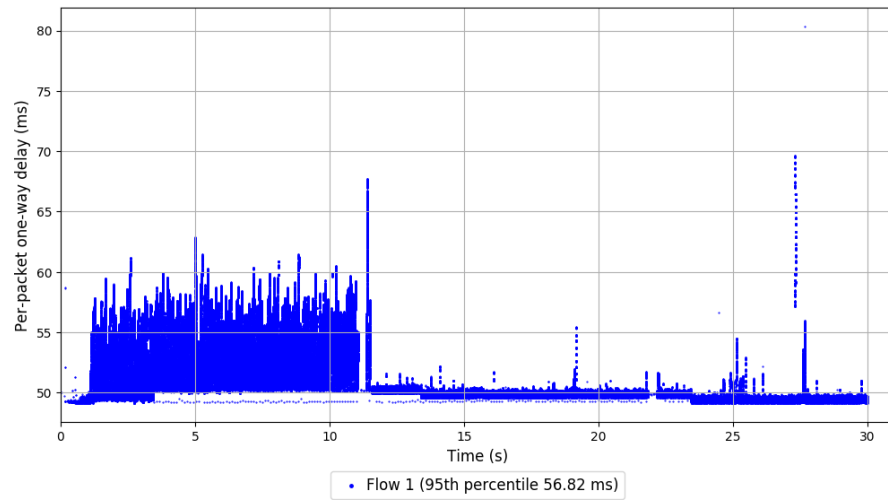
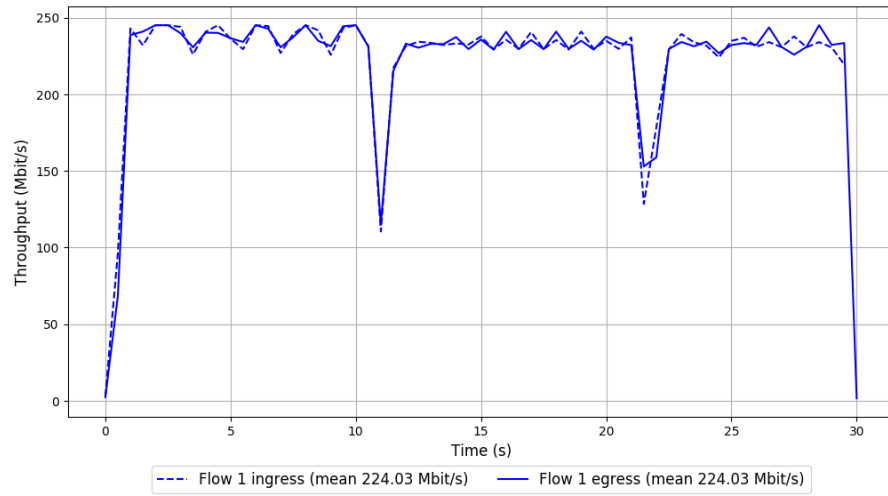
-- Flow 1:

Average throughput: 224.03 Mbit/s

95th percentile per-packet one-way delay: 56.816 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-16 10:32:11

End at: 2018-02-16 10:32:41

Below is generated by plot.py at 2018-02-16 13:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.17 Mbit/s

95th percentile per-packet one-way delay: 56.133 ms

Loss rate: 0.00%

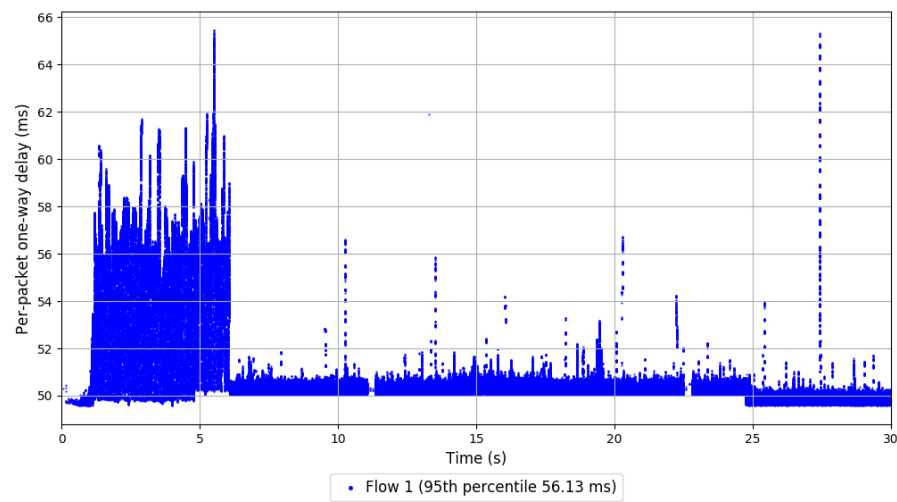
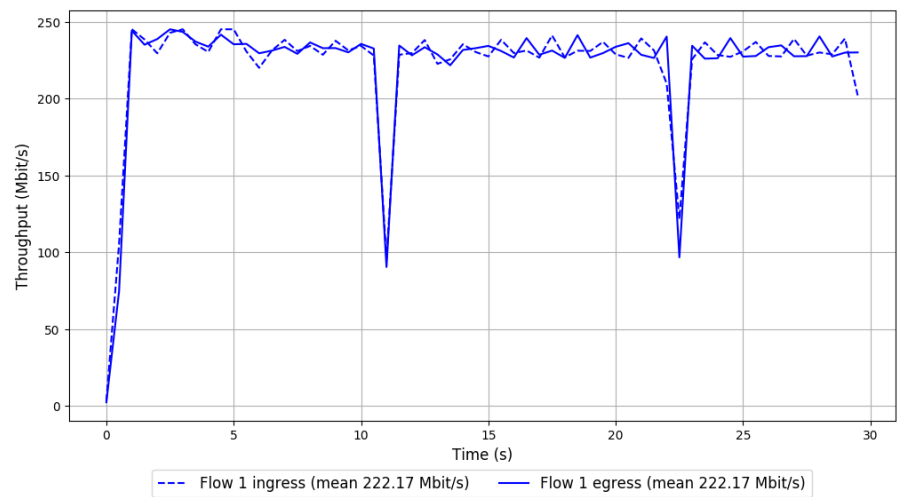
-- Flow 1:

Average throughput: 222.17 Mbit/s

95th percentile per-packet one-way delay: 56.133 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-16 10:47:04

End at: 2018-02-16 10:47:34

Below is generated by plot.py at 2018-02-16 13:03:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.28 Mbit/s

95th percentile per-packet one-way delay: 52.222 ms

Loss rate: 0.00%

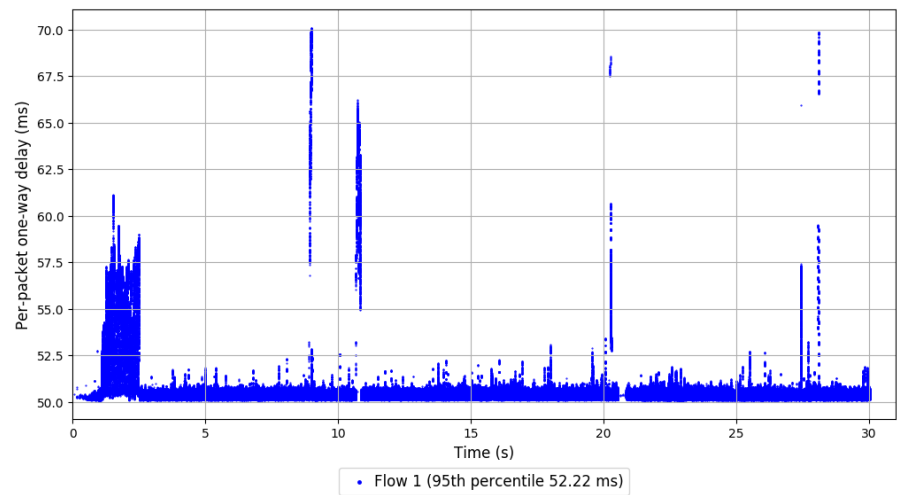
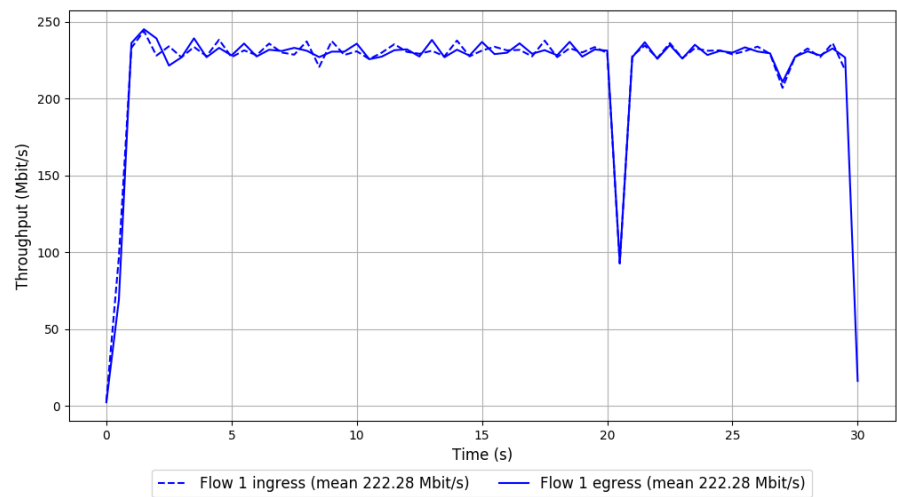
-- Flow 1:

Average throughput: 222.28 Mbit/s

95th percentile per-packet one-way delay: 52.222 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 08:36:34

End at: 2018-02-16 08:37:04

Below is generated by plot.py at 2018-02-16 13:03:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.96 Mbit/s

95th percentile per-packet one-way delay: 59.016 ms

Loss rate: 0.00%

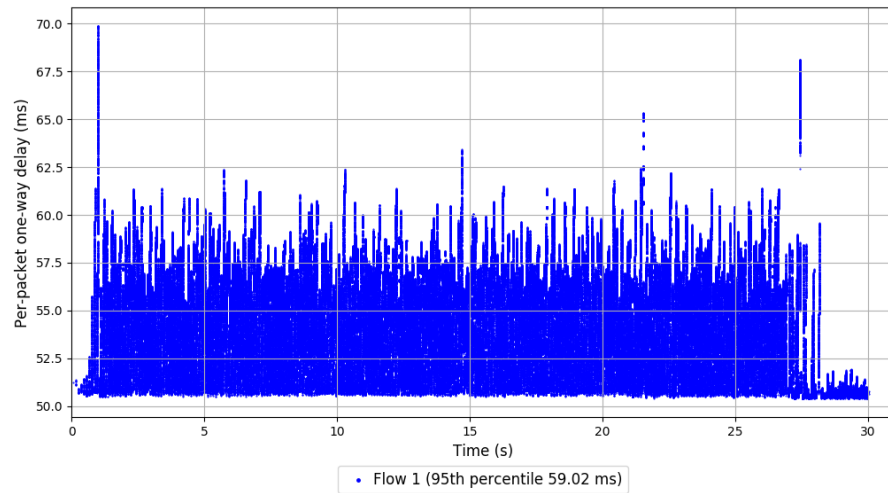
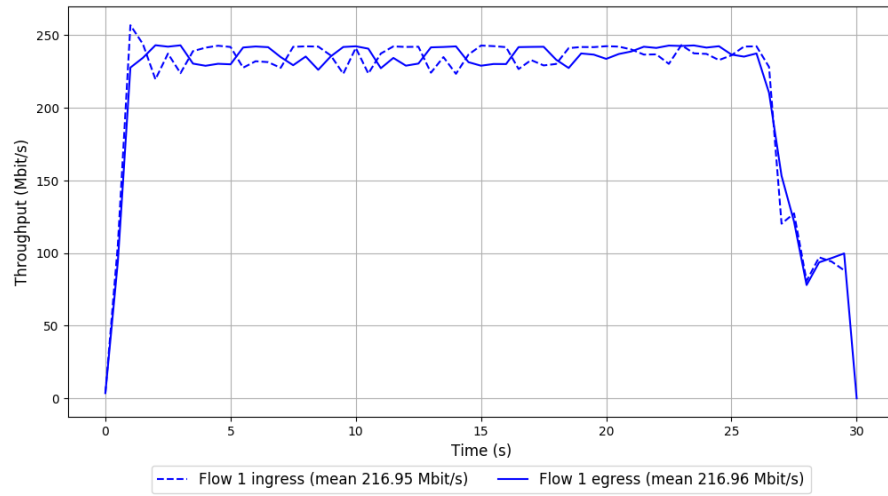
-- Flow 1:

Average throughput: 216.96 Mbit/s

95th percentile per-packet one-way delay: 59.016 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

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

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

Below is generated by plot.py at 2018-02-16 13:03:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.77 Mbit/s

95th percentile per-packet one-way delay: 58.857 ms

Loss rate: 0.00%

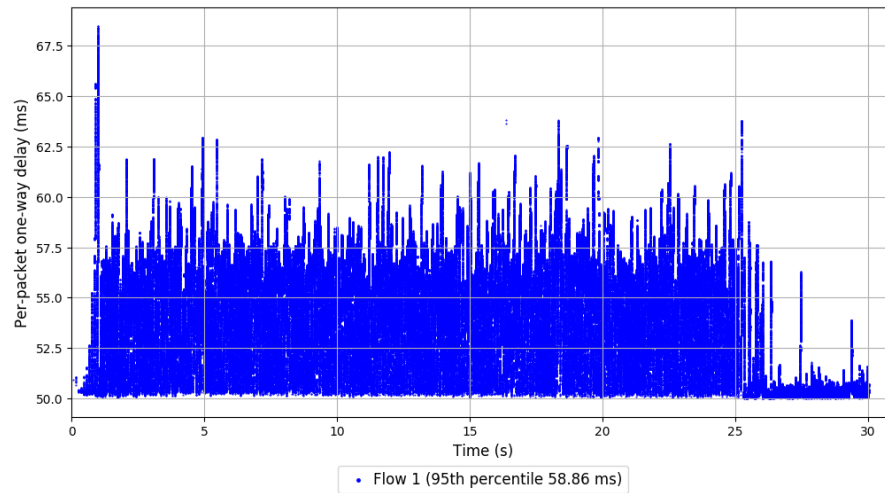
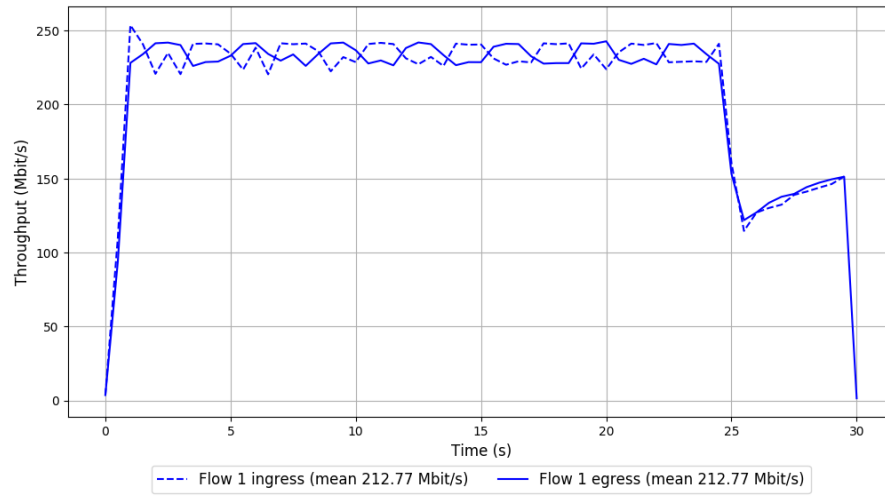
-- Flow 1:

Average throughput: 212.77 Mbit/s

95th percentile per-packet one-way delay: 58.857 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 09:06:02

End at: 2018-02-16 09:06:32

Below is generated by plot.py at 2018-02-16 13:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.38 Mbit/s

95th percentile per-packet one-way delay: 58.615 ms

Loss rate: 0.01%

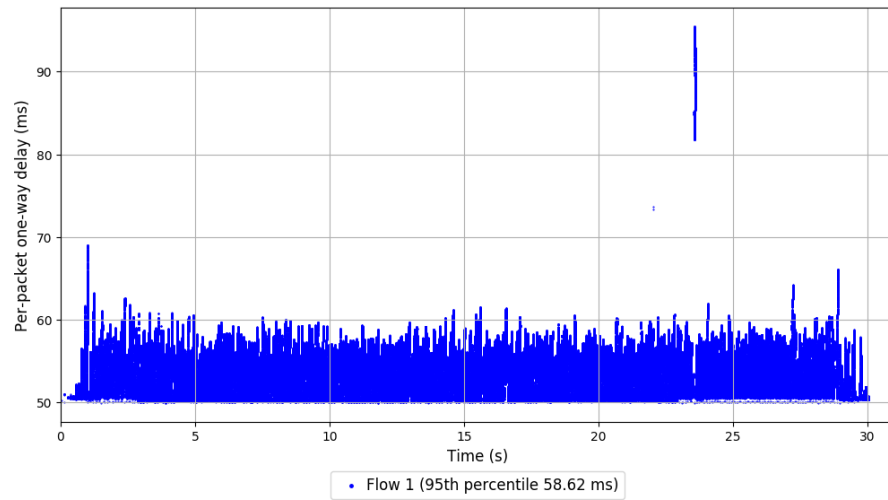
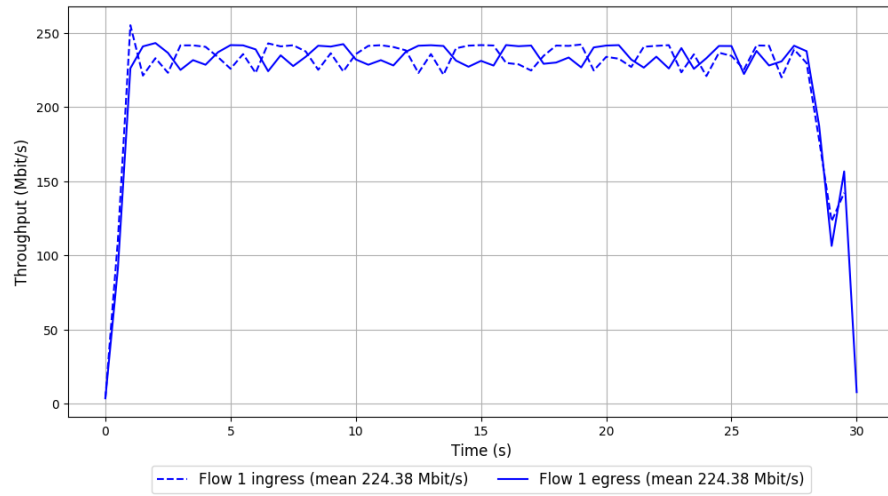
-- Flow 1:

Average throughput: 224.38 Mbit/s

95th percentile per-packet one-way delay: 58.615 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 09:20:47

End at: 2018-02-16 09:21:17

Below is generated by plot.py at 2018-02-16 13:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.34 Mbit/s

95th percentile per-packet one-way delay: 55.406 ms

Loss rate: 0.00%

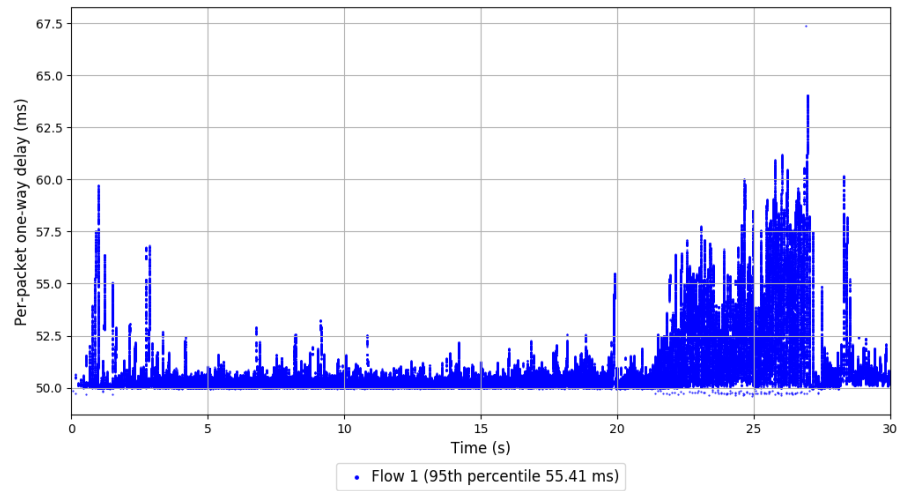
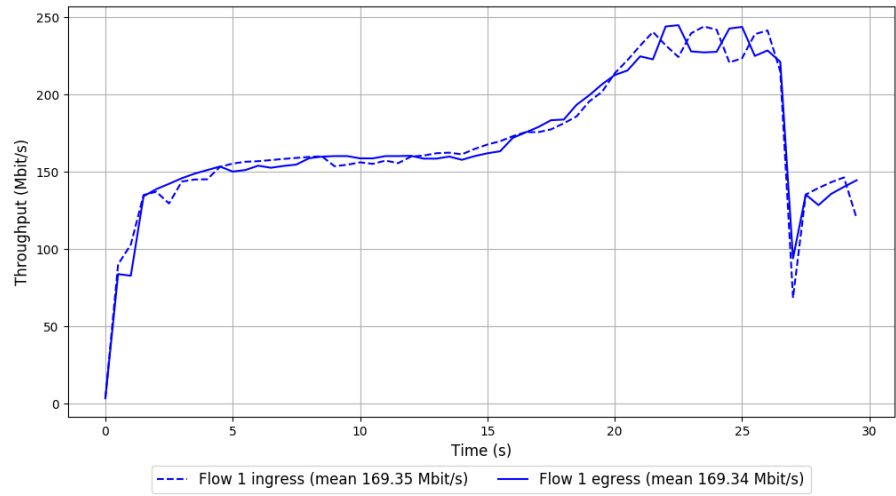
-- Flow 1:

Average throughput: 169.34 Mbit/s

95th percentile per-packet one-way delay: 55.406 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 09:35:28

End at: 2018-02-16 09:35:58

Below is generated by plot.py at 2018-02-16 13:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.32 Mbit/s

95th percentile per-packet one-way delay: 58.573 ms

Loss rate: 0.00%

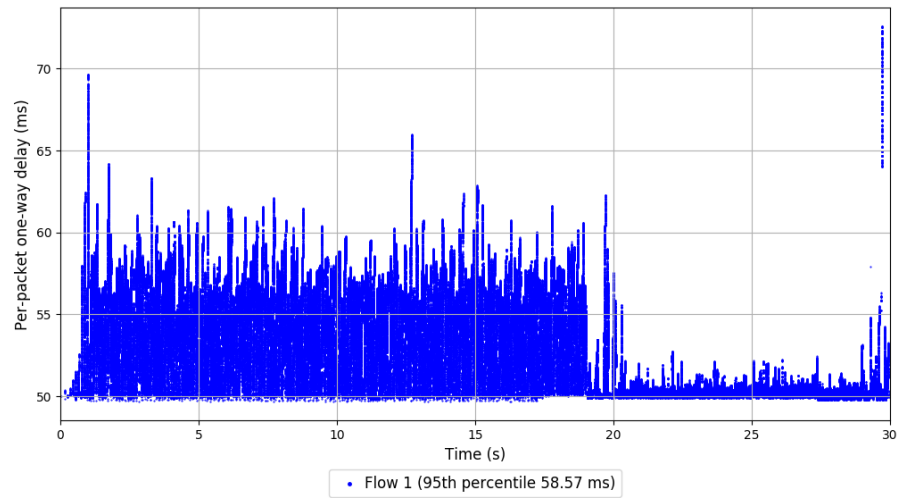
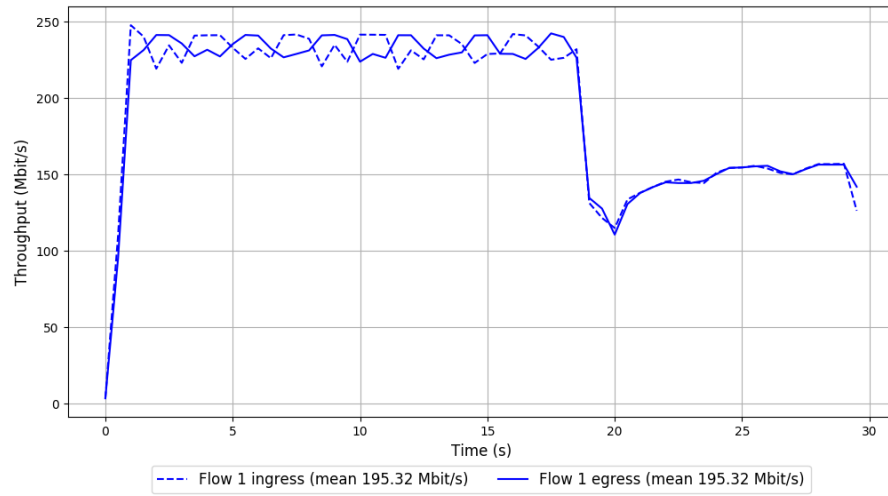
-- Flow 1:

Average throughput: 195.32 Mbit/s

95th percentile per-packet one-way delay: 58.573 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 09:50:28

End at: 2018-02-16 09:50:58

Below is generated by plot.py at 2018-02-16 13:03:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.45 Mbit/s

95th percentile per-packet one-way delay: 57.960 ms

Loss rate: 0.00%

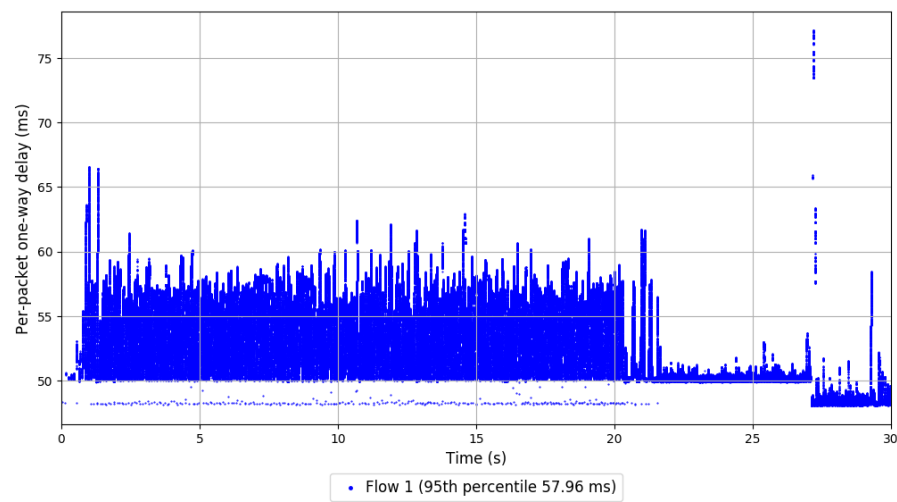
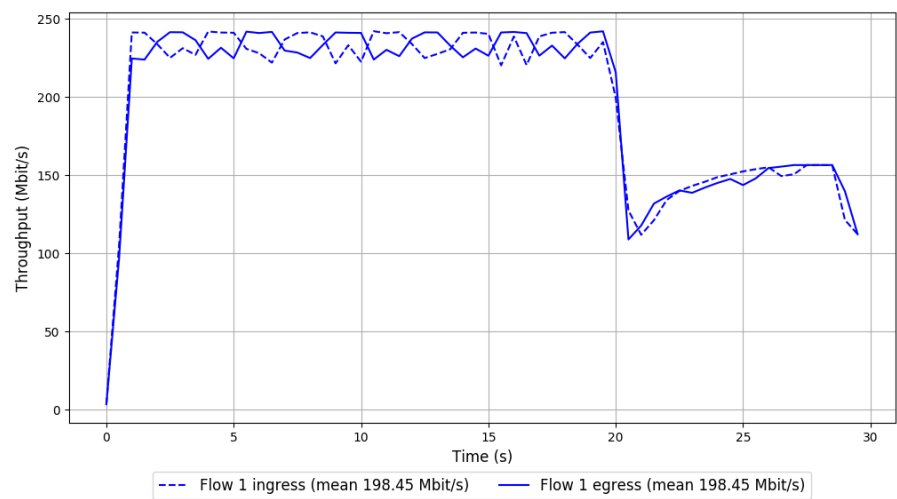
-- Flow 1:

Average throughput: 198.45 Mbit/s

95th percentile per-packet one-way delay: 57.960 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 10:05:25

End at: 2018-02-16 10:05:55

Below is generated by plot.py at 2018-02-16 13:05:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.10 Mbit/s

95th percentile per-packet one-way delay: 53.386 ms

Loss rate: 0.01%

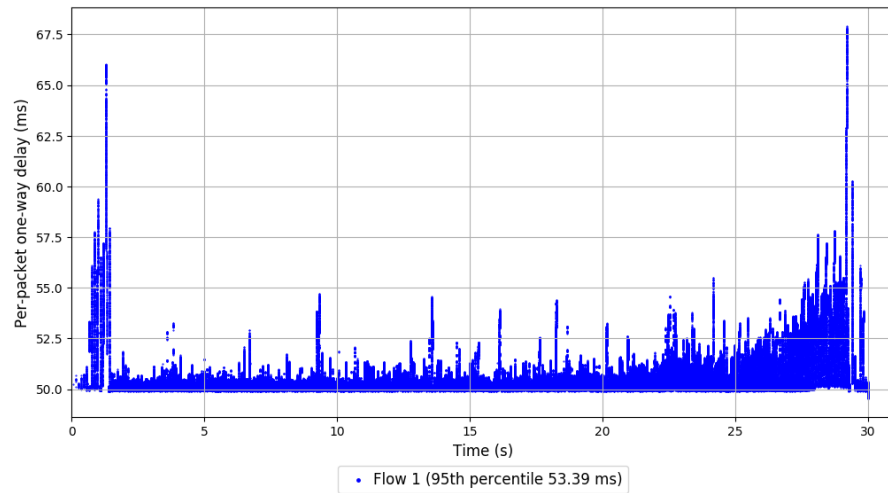
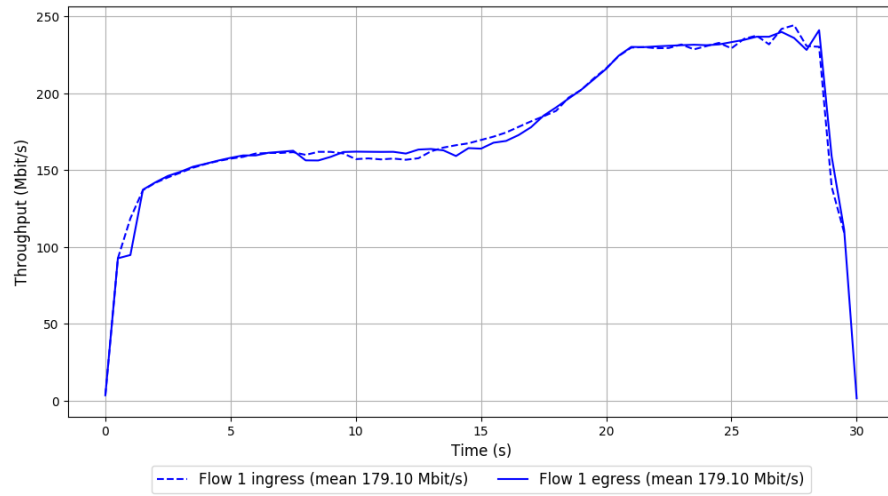
-- Flow 1:

Average throughput: 179.10 Mbit/s

95th percentile per-packet one-way delay: 53.386 ms

Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 10:20:13

End at: 2018-02-16 10:20:43

Below is generated by plot.py at 2018-02-16 13:05:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.58 Mbit/s

95th percentile per-packet one-way delay: 52.740 ms

Loss rate: 0.00%

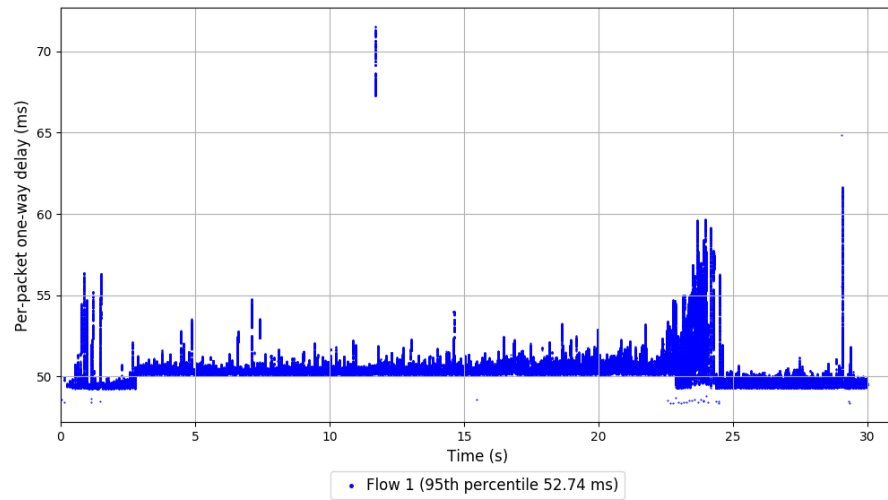
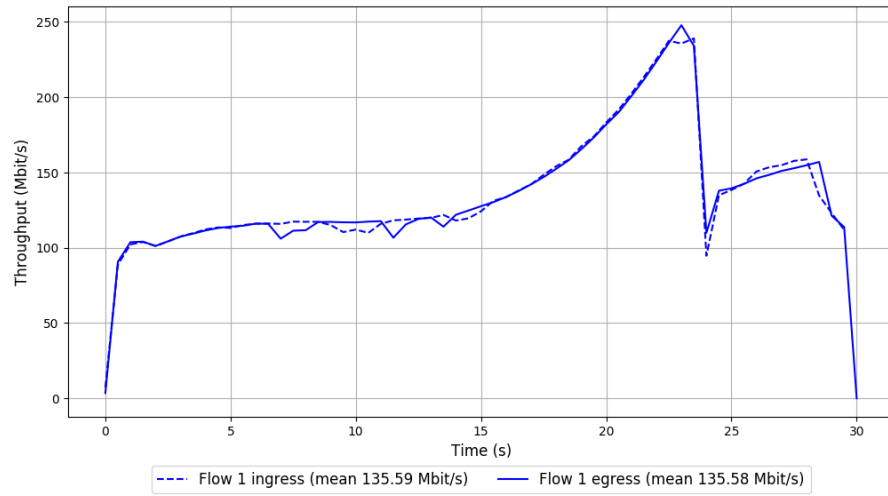
-- Flow 1:

Average throughput: 135.58 Mbit/s

95th percentile per-packet one-way delay: 52.740 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 10:35:01

End at: 2018-02-16 10:35:31

Below is generated by plot.py at 2018-02-16 13:05:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.22 Mbit/s

95th percentile per-packet one-way delay: 57.657 ms

Loss rate: 0.02%

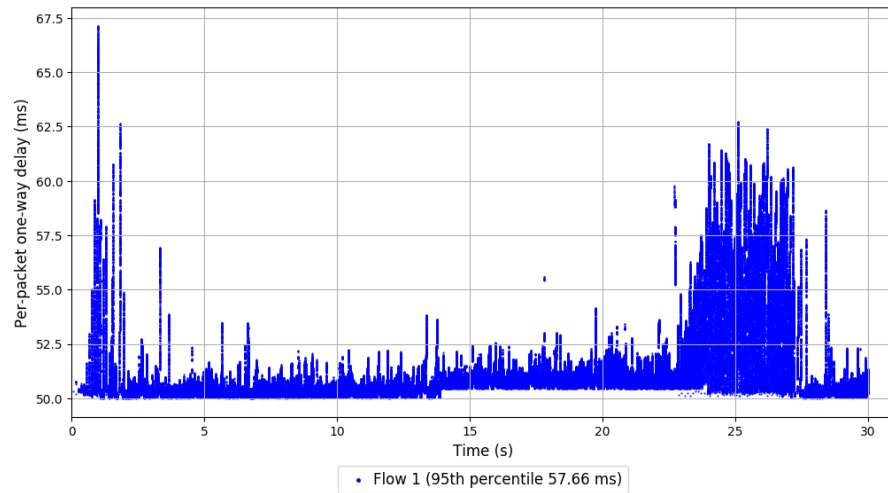
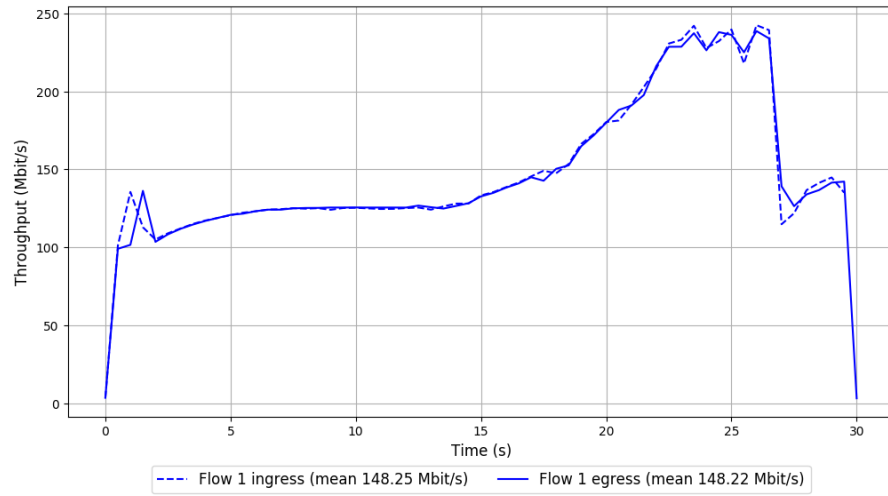
-- Flow 1:

Average throughput: 148.22 Mbit/s

95th percentile per-packet one-way delay: 57.657 ms

Loss rate: 0.02%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 10:49:48

End at: 2018-02-16 10:50:18

Below is generated by plot.py at 2018-02-16 13:06:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.45 Mbit/s

95th percentile per-packet one-way delay: 58.571 ms

Loss rate: 0.06%

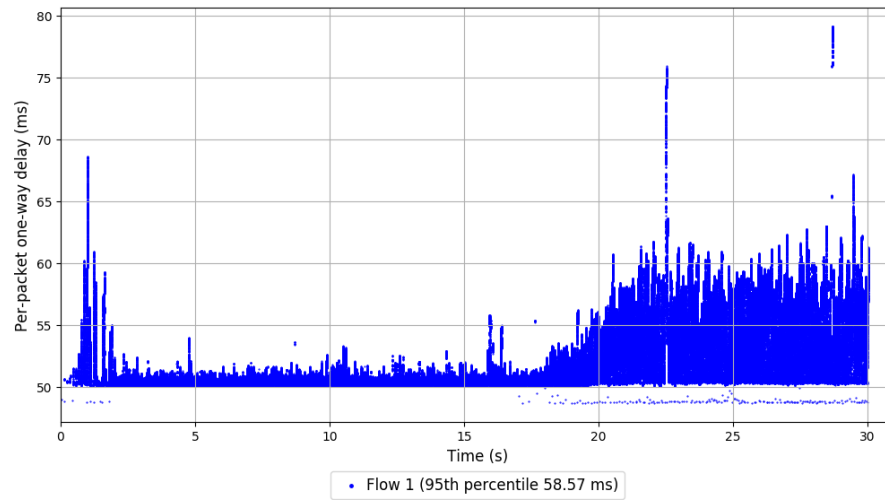
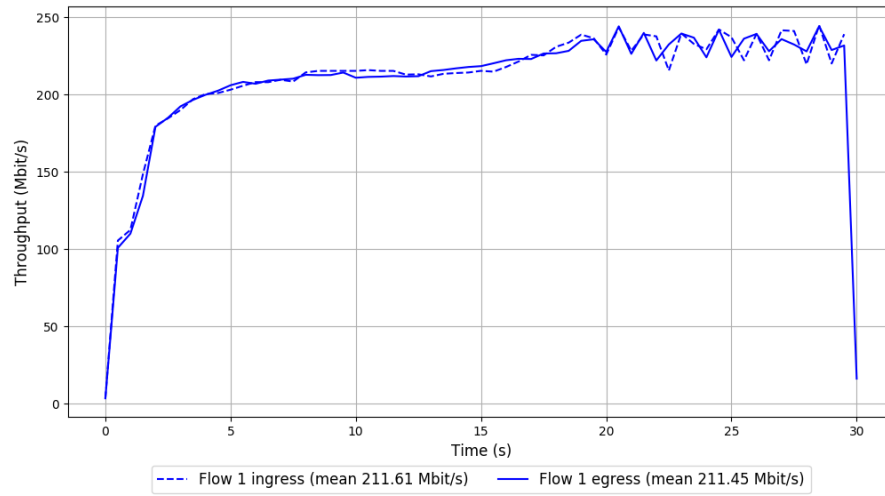
-- Flow 1:

Average throughput: 211.45 Mbit/s

95th percentile per-packet one-way delay: 58.571 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

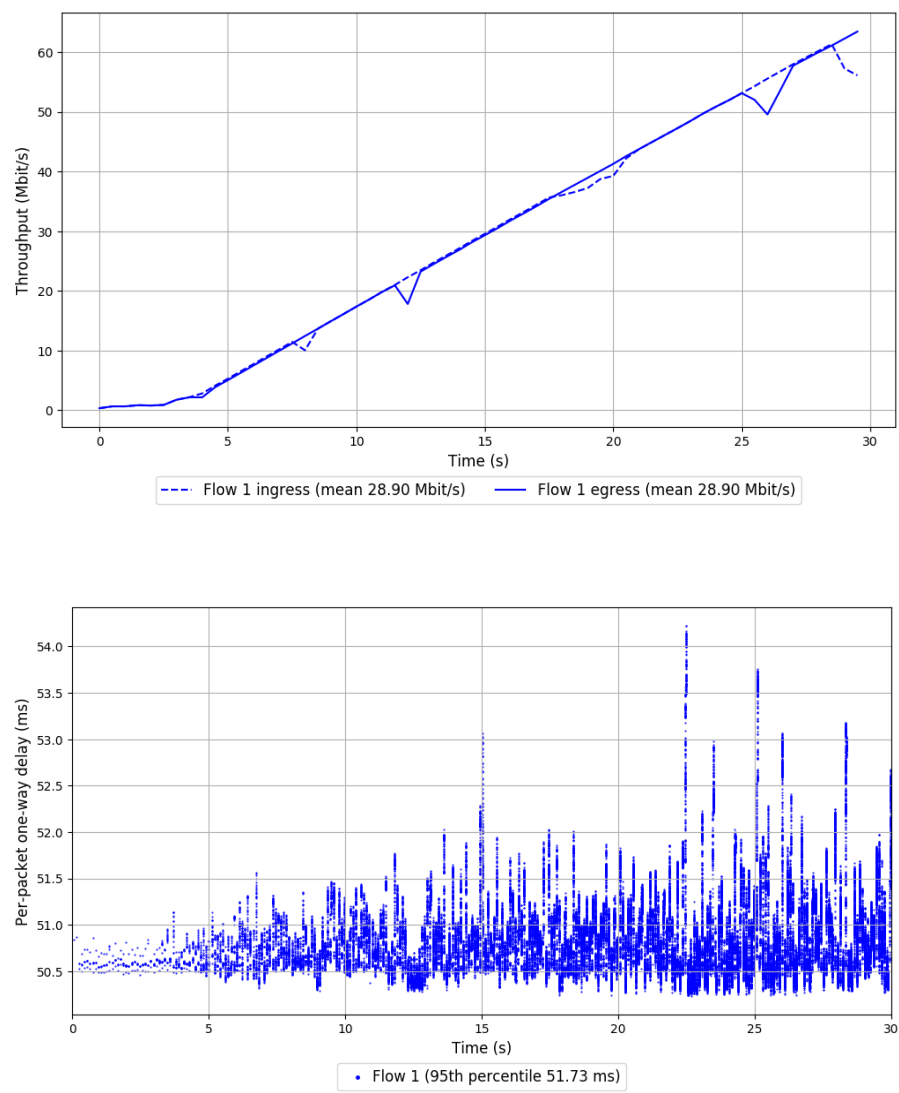


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 08:40:29
End at: 2018-02-16 08:40:59

# Below is generated by plot.py at 2018-02-16 13:06:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 51.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 51.728 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

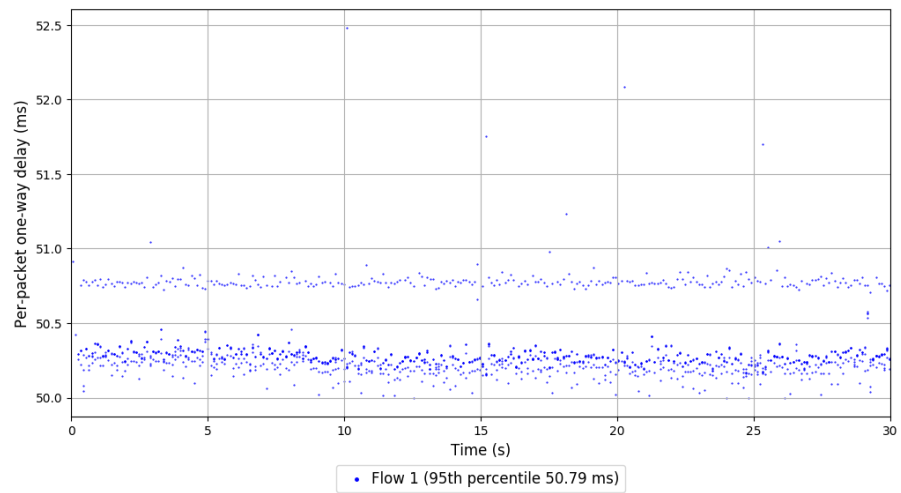
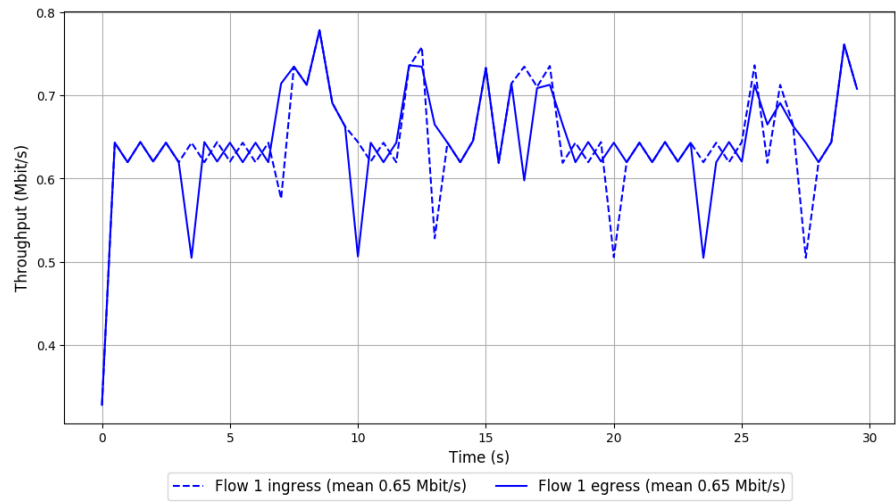


```
Run 2: Statistics of LEDBAT

Start at: 2018-02-16 08:55:17
End at: 2018-02-16 08:55:48

# Below is generated by plot.py at 2018-02-16 13:06:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 50.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 50.789 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-16 09:10:08

End at: 2018-02-16 09:10:38

Below is generated by plot.py at 2018-02-16 13:06:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.96 Mbit/s

95th percentile per-packet one-way delay: 51.652 ms

Loss rate: 0.00%

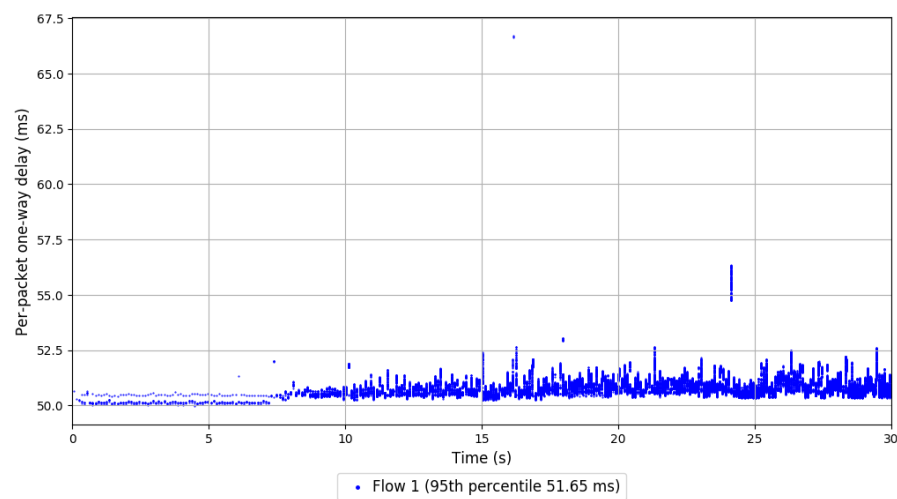
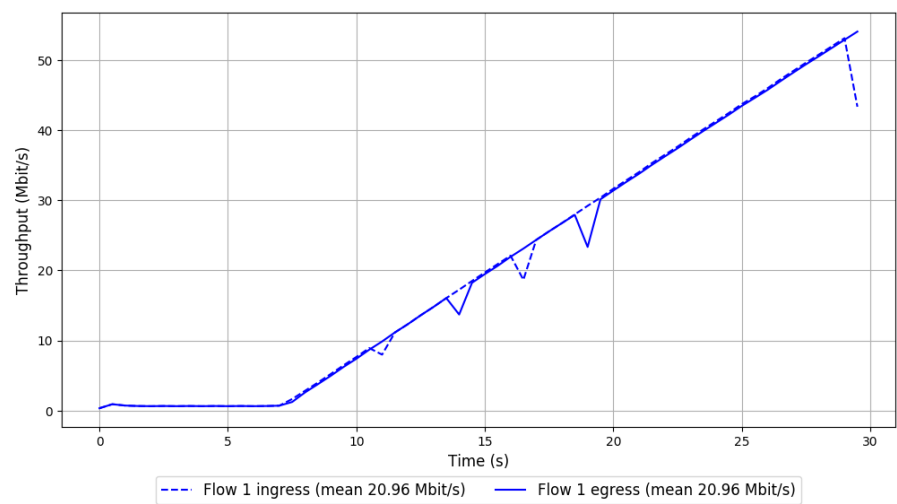
-- Flow 1:

Average throughput: 20.96 Mbit/s

95th percentile per-packet one-way delay: 51.652 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-16 09:24:50

End at: 2018-02-16 09:25:20

Below is generated by plot.py at 2018-02-16 13:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.73 Mbit/s

95th percentile per-packet one-way delay: 51.308 ms

Loss rate: 0.05%

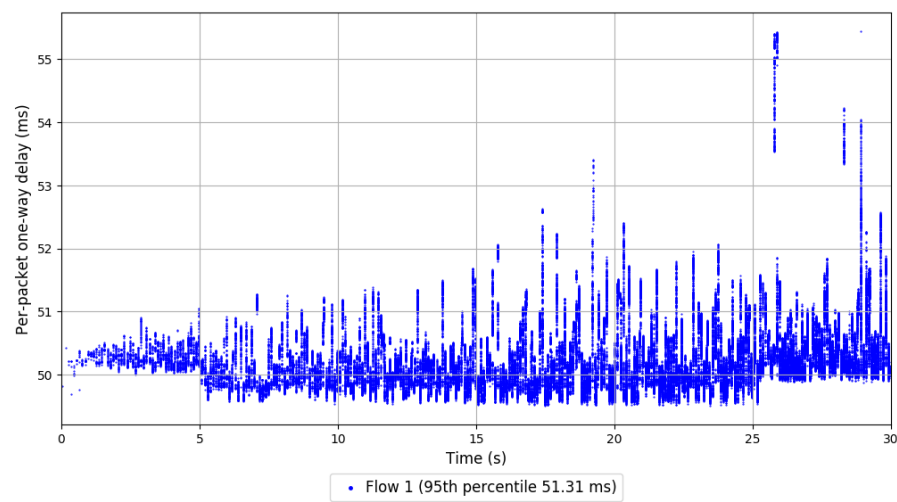
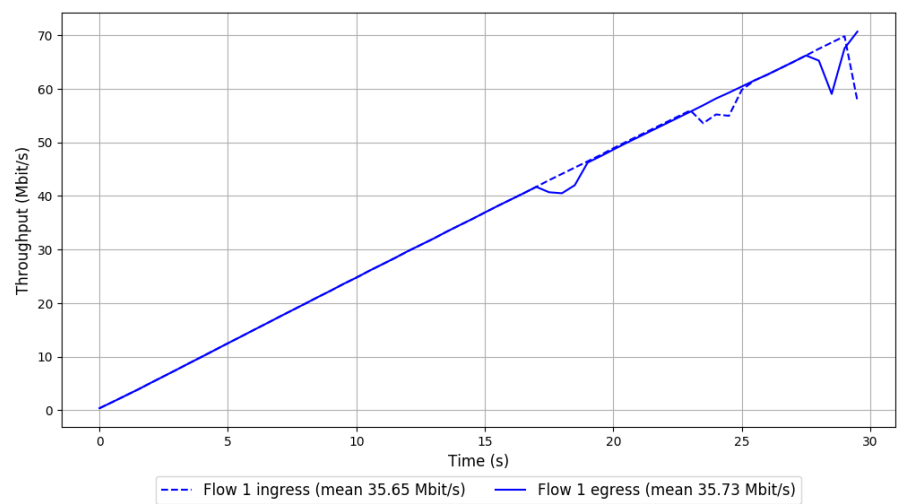
-- Flow 1:

Average throughput: 35.73 Mbit/s

95th percentile per-packet one-way delay: 51.308 ms

Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-16 09:39:43

End at: 2018-02-16 09:40:13

Below is generated by plot.py at 2018-02-16 13:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.78 Mbit/s

95th percentile per-packet one-way delay: 50.397 ms

Loss rate: 0.00%

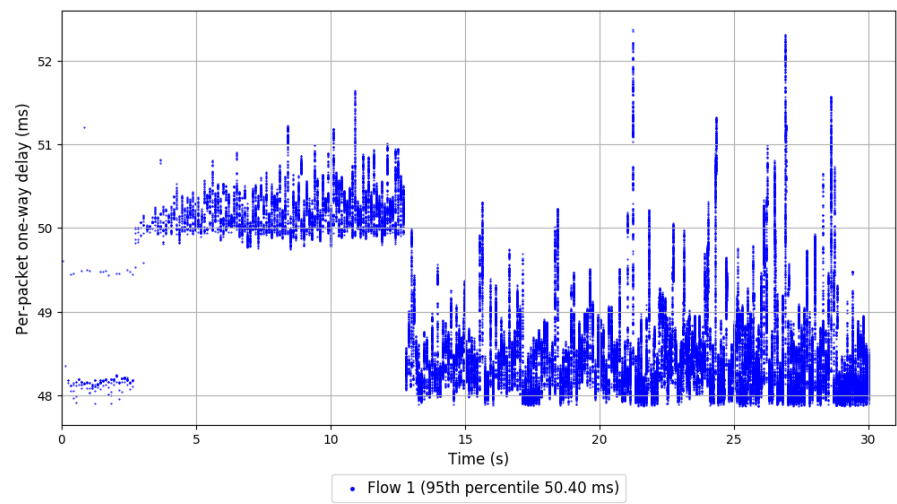
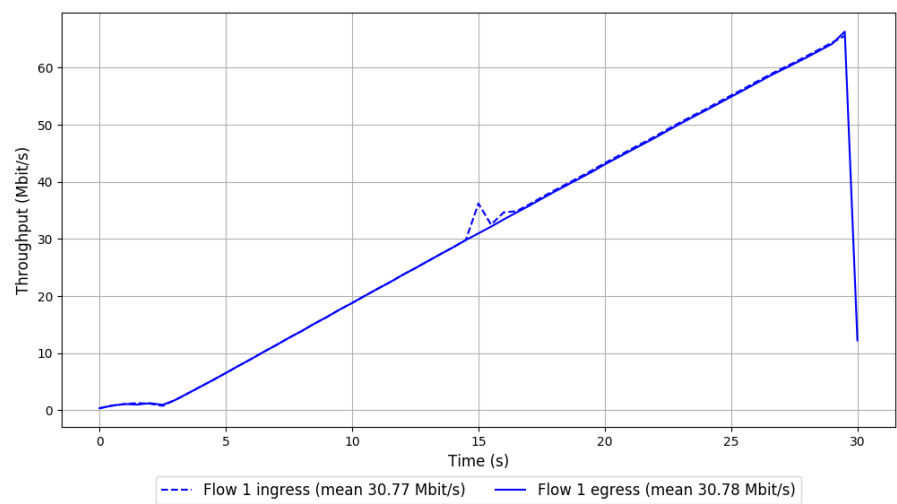
-- Flow 1:

Average throughput: 30.78 Mbit/s

95th percentile per-packet one-way delay: 50.397 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-16 09:54:46

End at: 2018-02-16 09:55:16

Below is generated by plot.py at 2018-02-16 13:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 51.500 ms

Loss rate: 0.00%

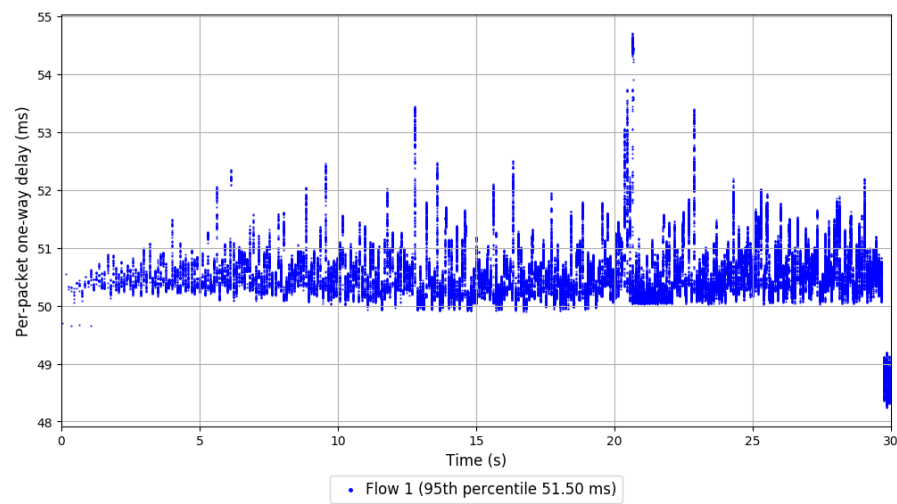
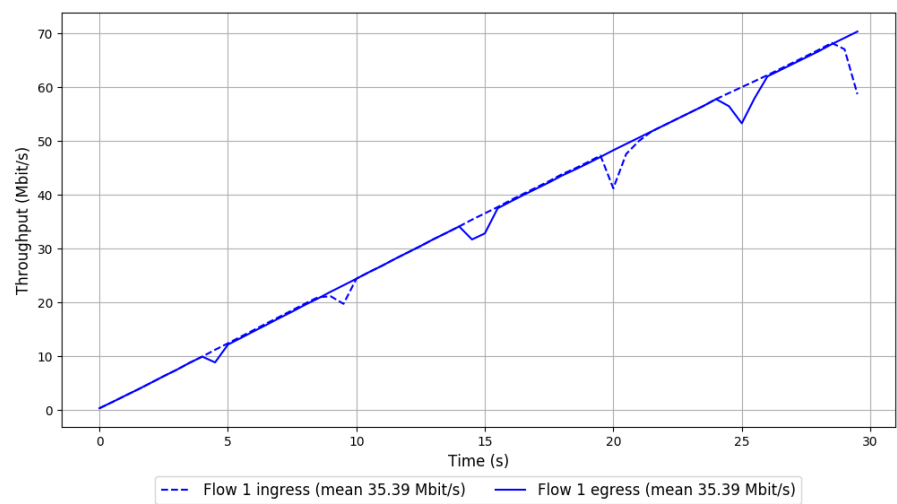
-- Flow 1:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 51.500 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-16 10:09:31

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

Below is generated by plot.py at 2018-02-16 13:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.89 Mbit/s

95th percentile per-packet one-way delay: 51.020 ms

Loss rate: 0.00%

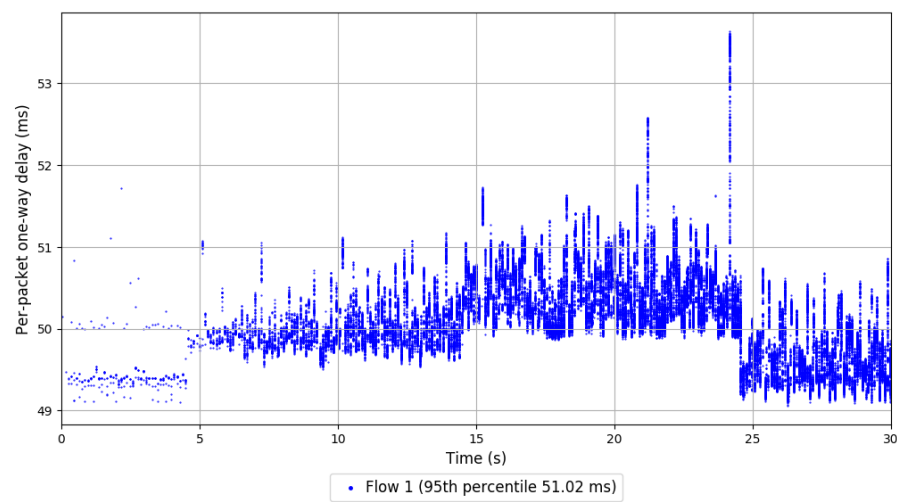
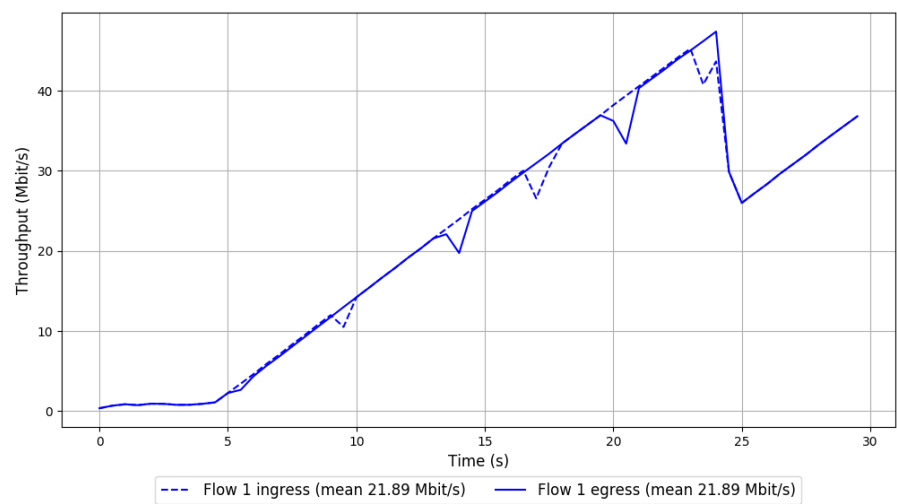
-- Flow 1:

Average throughput: 21.89 Mbit/s

95th percentile per-packet one-way delay: 51.020 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-16 10:24:19

End at: 2018-02-16 10:24:49

Below is generated by plot.py at 2018-02-16 13:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.91 Mbit/s

95th percentile per-packet one-way delay: 51.440 ms

Loss rate: 0.00%

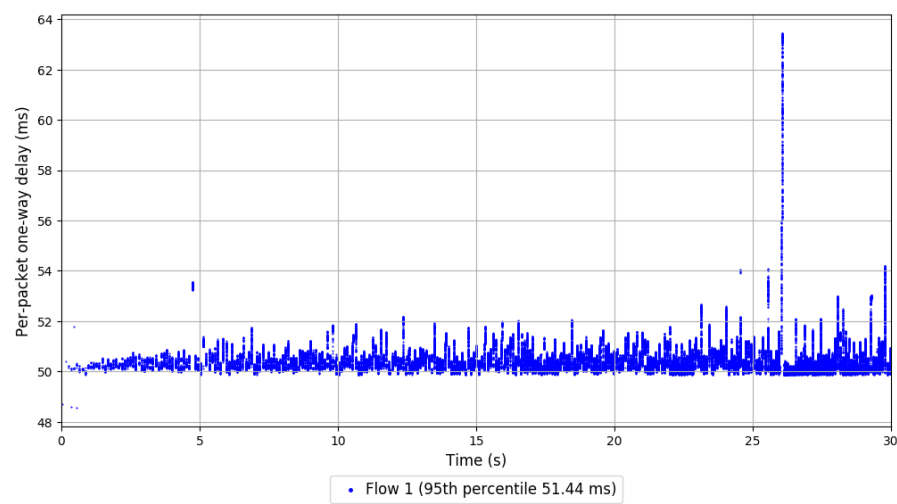
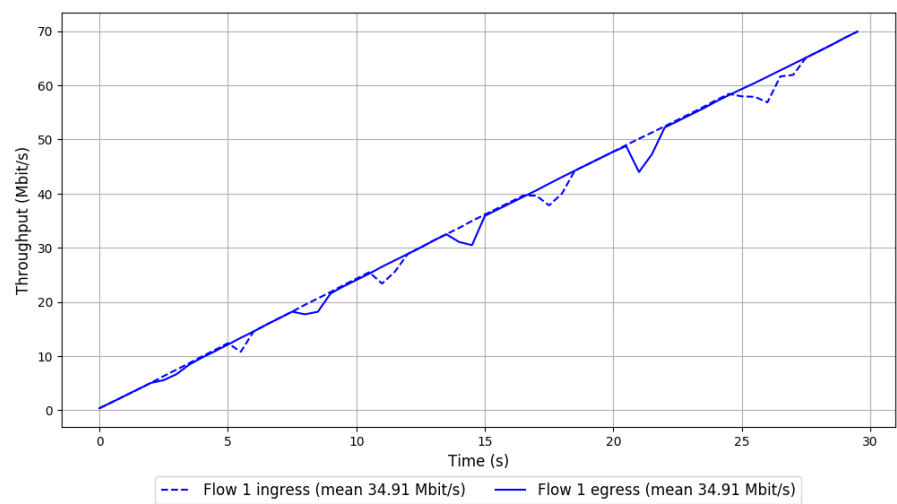
-- Flow 1:

Average throughput: 34.91 Mbit/s

95th percentile per-packet one-way delay: 51.440 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-16 10:39:09

End at: 2018-02-16 10:39:39

Below is generated by plot.py at 2018-02-16 13:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.18 Mbit/s

95th percentile per-packet one-way delay: 51.847 ms

Loss rate: 0.00%

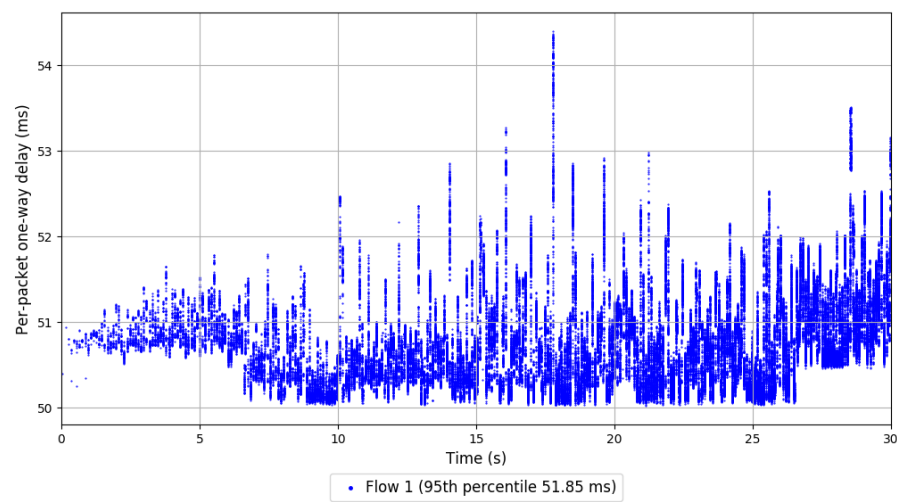
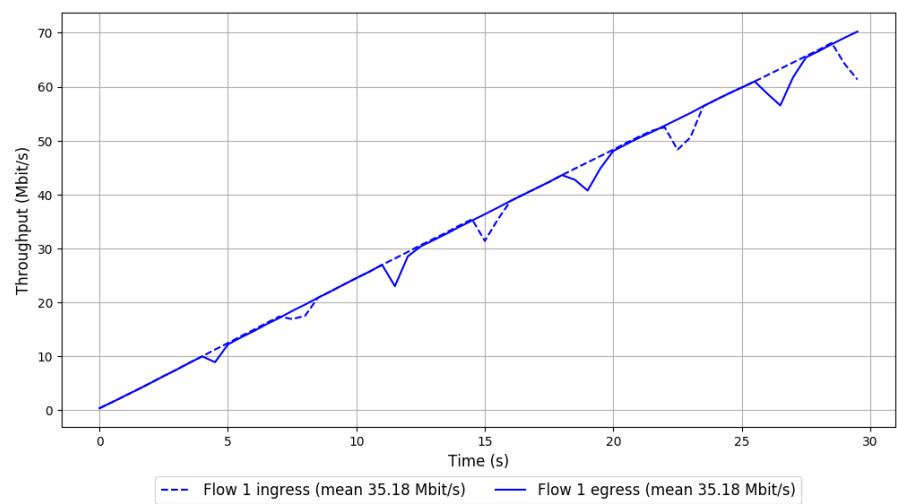
-- Flow 1:

Average throughput: 35.18 Mbit/s

95th percentile per-packet one-way delay: 51.847 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-16 10:54:05

End at: 2018-02-16 10:54:35

Below is generated by plot.py at 2018-02-16 13:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.91 Mbit/s

95th percentile per-packet one-way delay: 51.570 ms

Loss rate: 0.00%

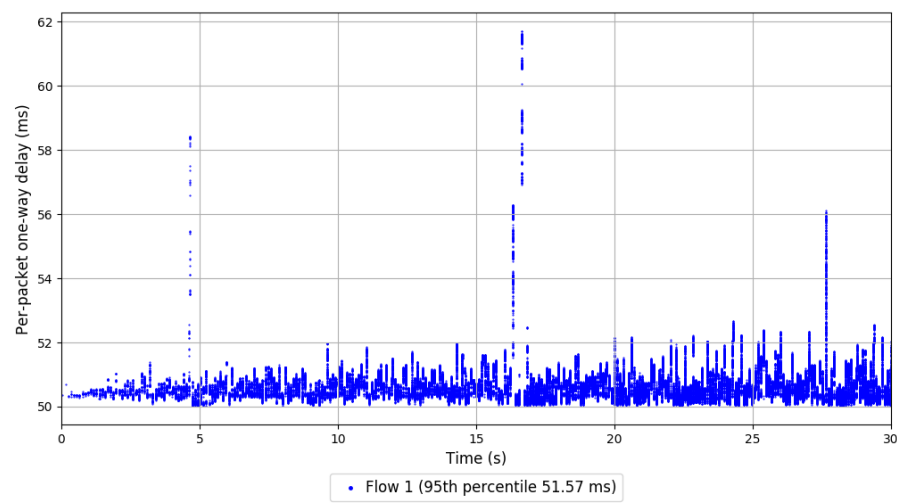
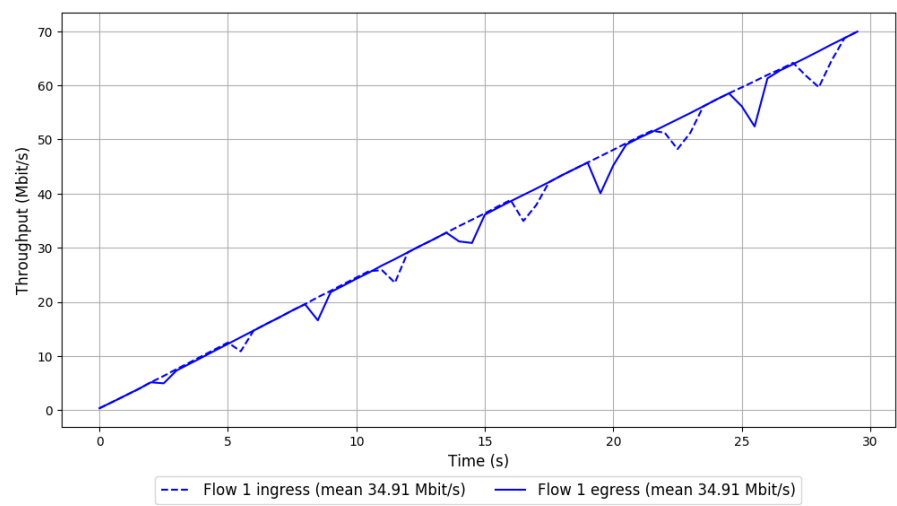
-- Flow 1:

Average throughput: 34.91 Mbit/s

95th percentile per-packet one-way delay: 51.570 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

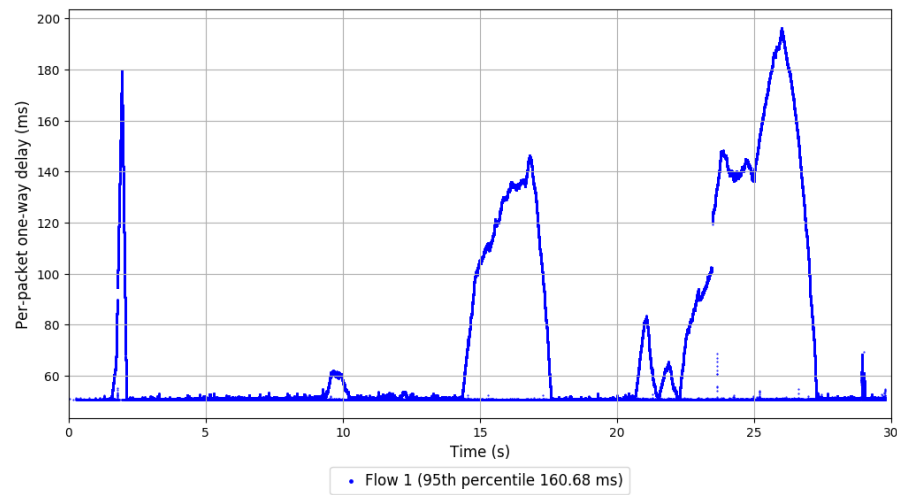
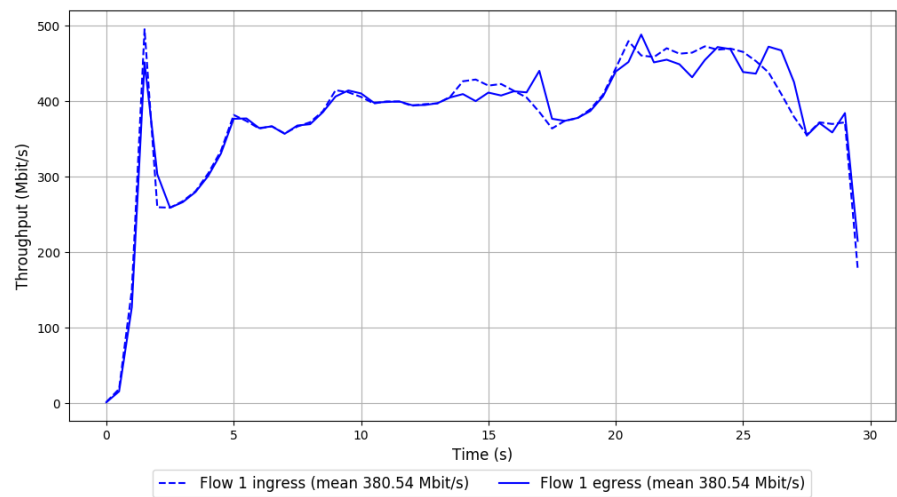


```
Run 1: Statistics of PCC

Start at: 2018-02-16 08:32:00
End at: 2018-02-16 08:32:31

# Below is generated by plot.py at 2018-02-16 13:11:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 380.54 Mbit/s
95th percentile per-packet one-way delay: 160.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 380.54 Mbit/s
95th percentile per-packet one-way delay: 160.684 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-16 08:46:22

End at: 2018-02-16 08:46:52

Below is generated by plot.py at 2018-02-16 13:12:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 448.43 Mbit/s

95th percentile per-packet one-way delay: 217.712 ms

Loss rate: 6.00%

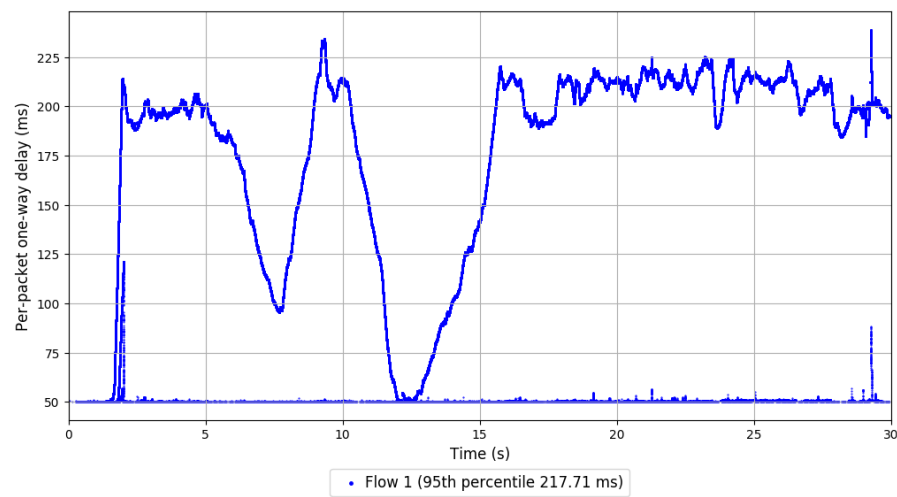
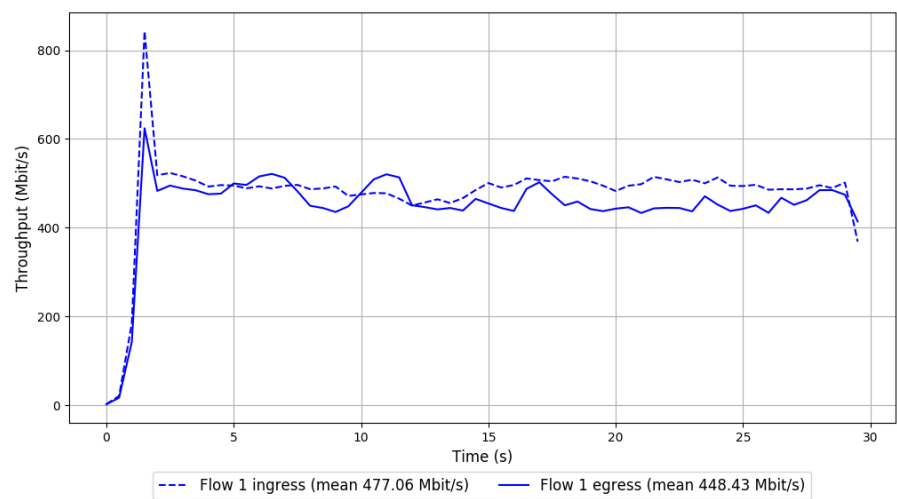
-- Flow 1:

Average throughput: 448.43 Mbit/s

95th percentile per-packet one-way delay: 217.712 ms

Loss rate: 6.00%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-16 09:01:13

End at: 2018-02-16 09:01:43

Below is generated by plot.py at 2018-02-16 13:12:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.37 Mbit/s

95th percentile per-packet one-way delay: 187.020 ms

Loss rate: 0.29%

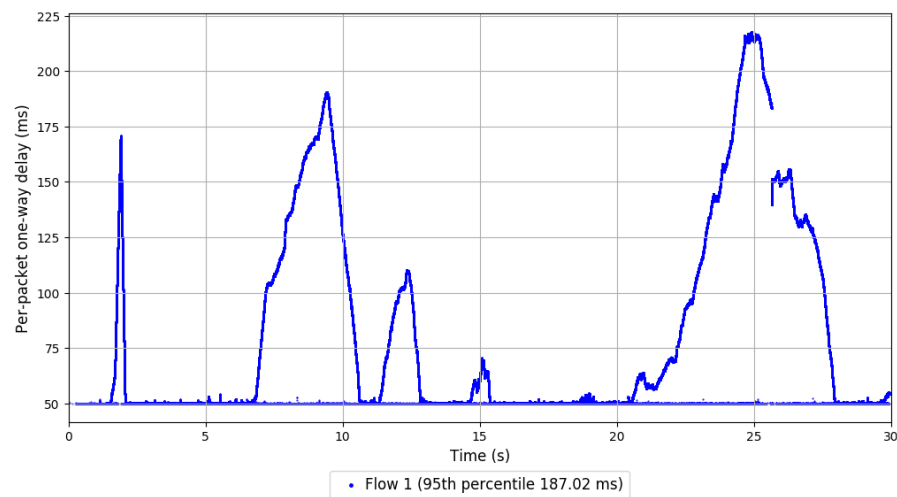
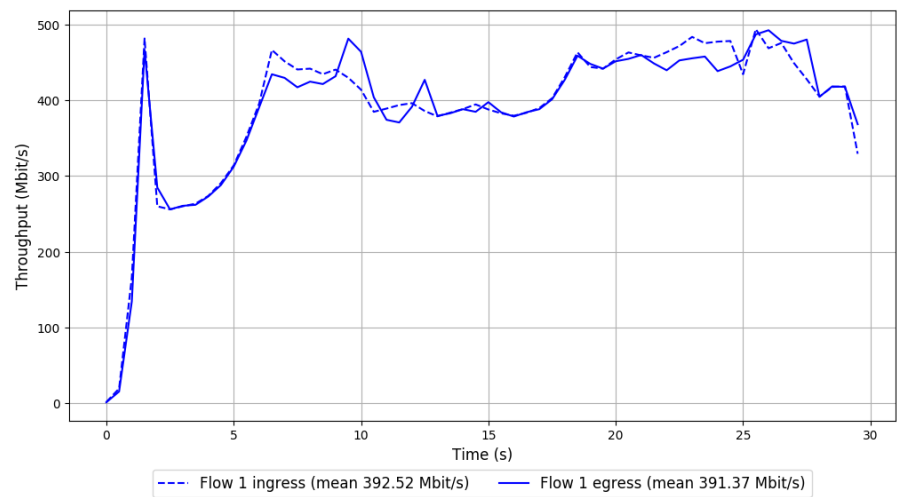
-- Flow 1:

Average throughput: 391.37 Mbit/s

95th percentile per-packet one-way delay: 187.020 ms

Loss rate: 0.29%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-16 09:16:06

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

Below is generated by plot.py at 2018-02-16 13:12:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.36 Mbit/s

95th percentile per-packet one-way delay: 203.329 ms

Loss rate: 0.35%

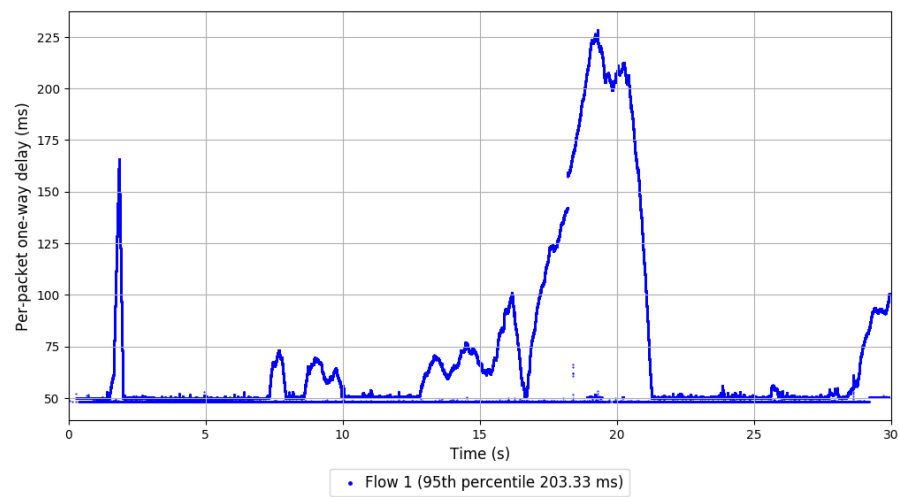
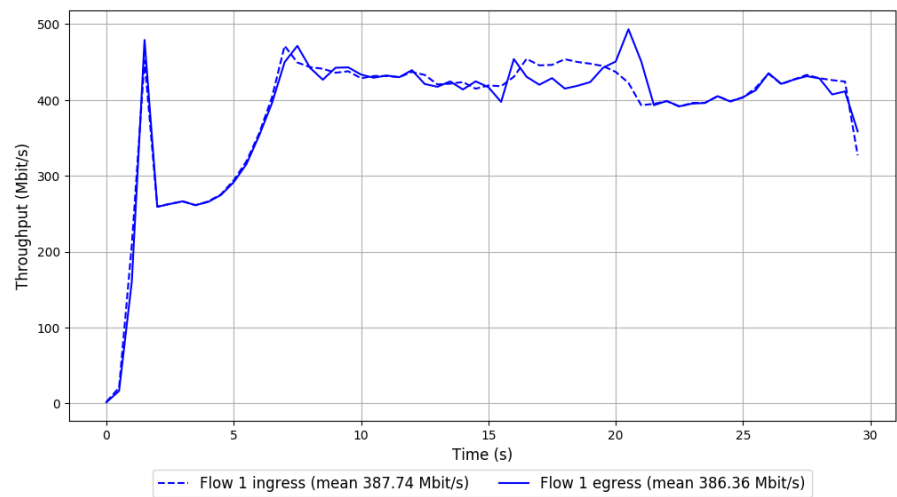
-- Flow 1:

Average throughput: 386.36 Mbit/s

95th percentile per-packet one-way delay: 203.329 ms

Loss rate: 0.35%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-16 09:30:49

End at: 2018-02-16 09:31:19

Below is generated by plot.py at 2018-02-16 13:12:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 403.21 Mbit/s

95th percentile per-packet one-way delay: 116.428 ms

Loss rate: 0.02%

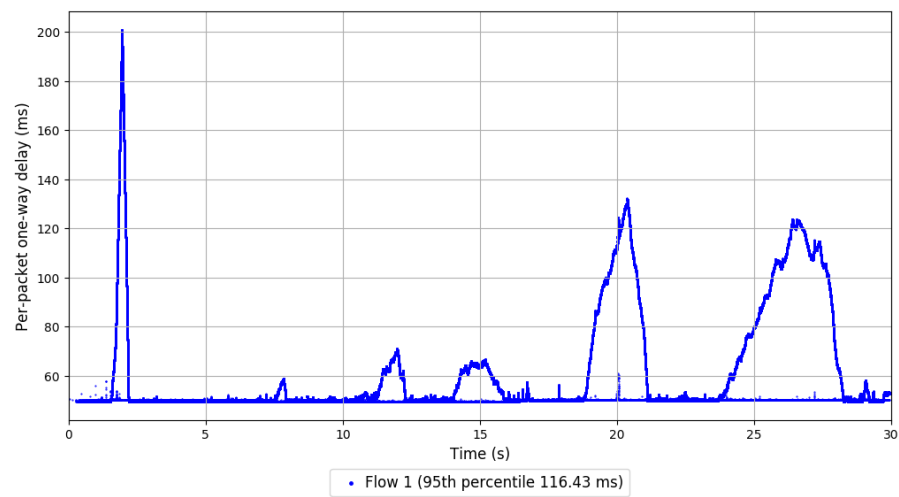
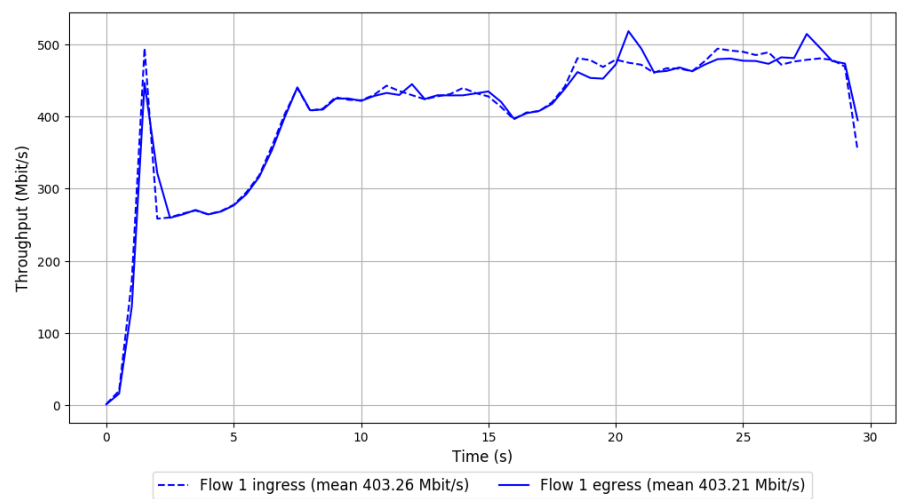
-- Flow 1:

Average throughput: 403.21 Mbit/s

95th percentile per-packet one-way delay: 116.428 ms

Loss rate: 0.02%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-16 09:45:41

End at: 2018-02-16 09:46:11

Below is generated by plot.py at 2018-02-16 13:14:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 447.76 Mbit/s

95th percentile per-packet one-way delay: 194.742 ms

Loss rate: 1.42%

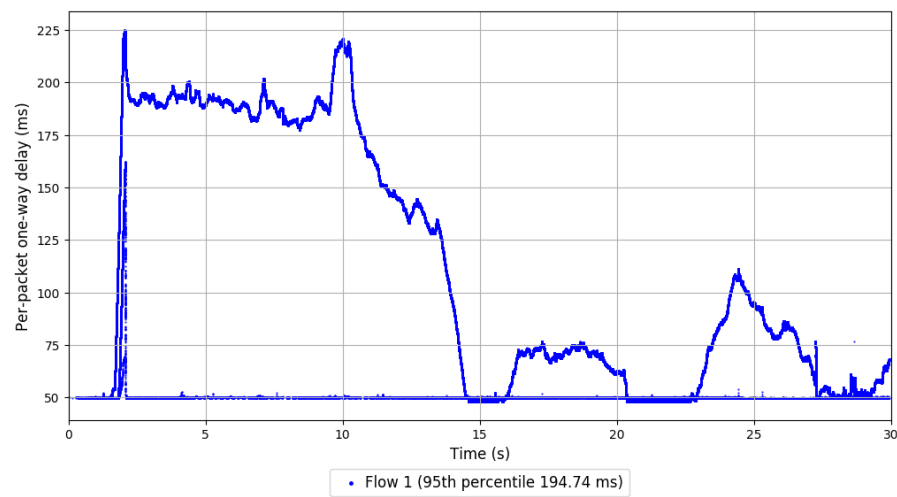
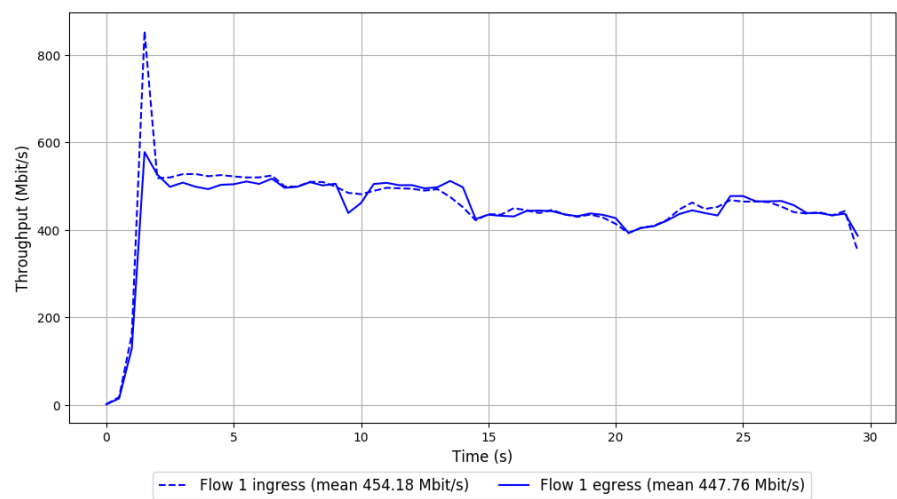
-- Flow 1:

Average throughput: 447.76 Mbit/s

95th percentile per-packet one-way delay: 194.742 ms

Loss rate: 1.42%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-16 10:00:44

End at: 2018-02-16 10:01:14

Below is generated by plot.py at 2018-02-16 13:14:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.47 Mbit/s

95th percentile per-packet one-way delay: 211.270 ms

Loss rate: 1.67%

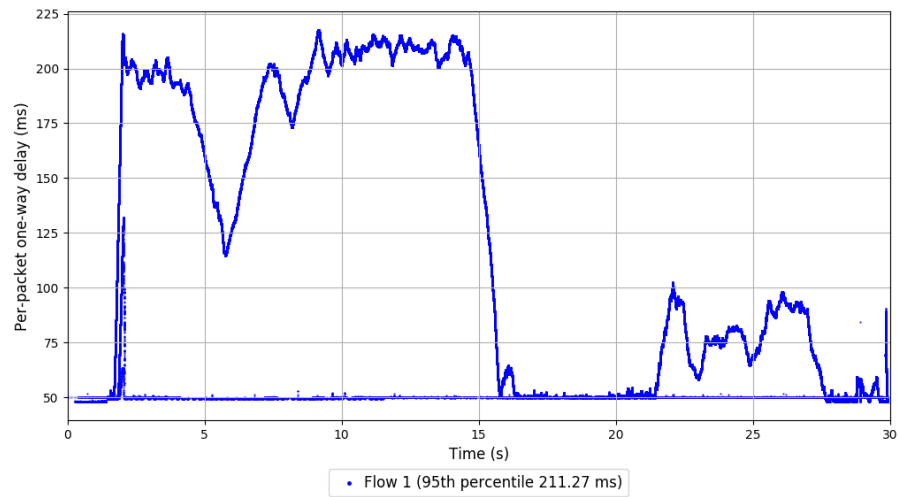
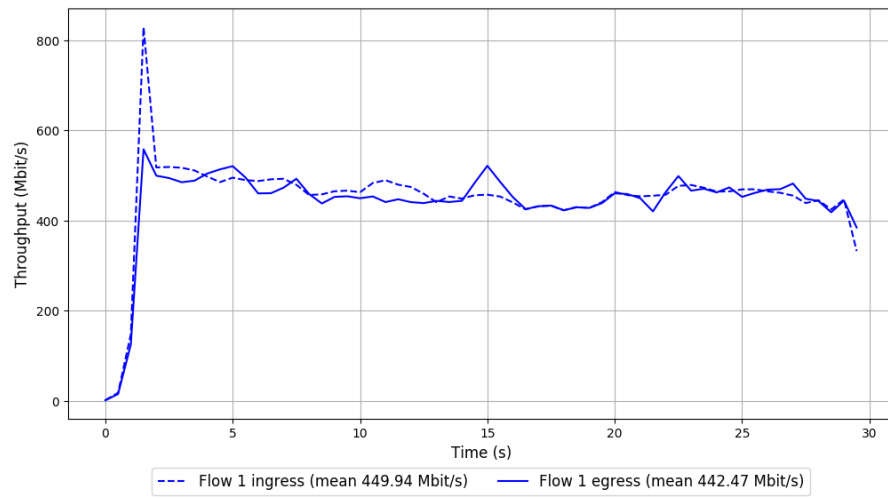
-- Flow 1:

Average throughput: 442.47 Mbit/s

95th percentile per-packet one-way delay: 211.270 ms

Loss rate: 1.67%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-16 10:15:28

End at: 2018-02-16 10:15:58

Below is generated by plot.py at 2018-02-16 13:15:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 451.06 Mbit/s

95th percentile per-packet one-way delay: 219.159 ms

Loss rate: 5.12%

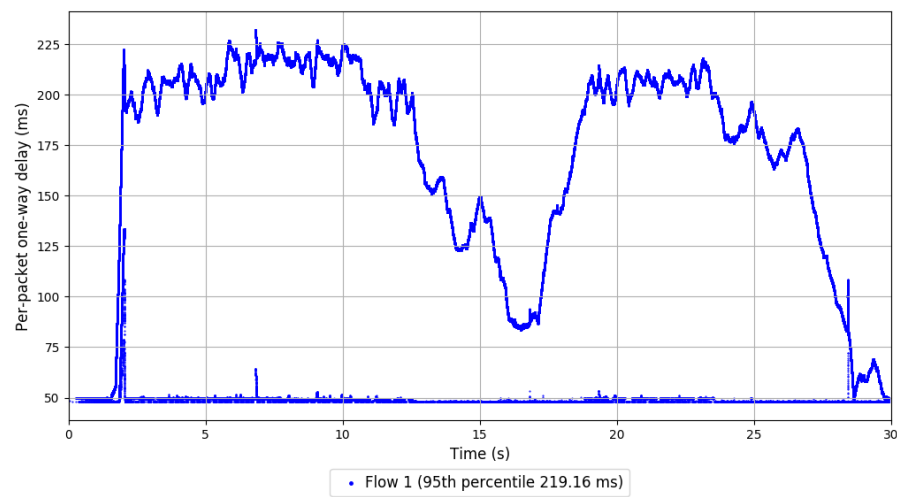
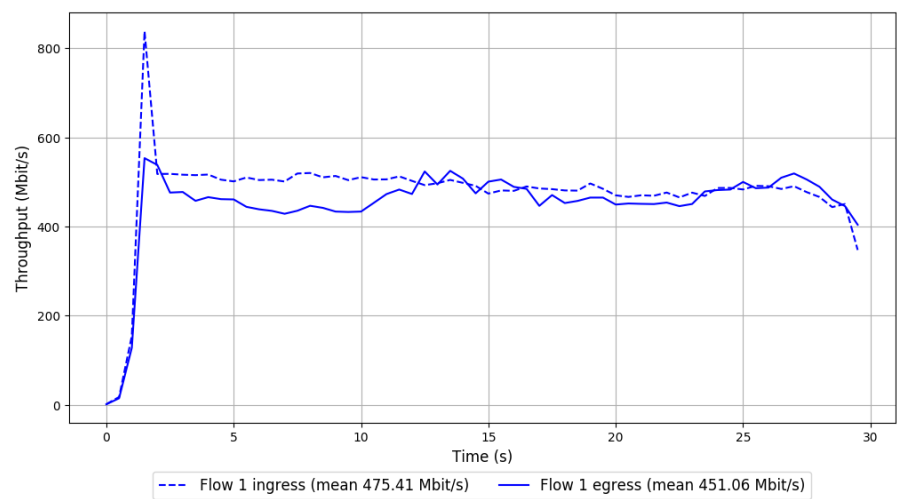
-- Flow 1:

Average throughput: 451.06 Mbit/s

95th percentile per-packet one-way delay: 219.159 ms

Loss rate: 5.12%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-16 10:30:17

End at: 2018-02-16 10:30:47

Below is generated by plot.py at 2018-02-16 13:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.73 Mbit/s

95th percentile per-packet one-way delay: 95.069 ms

Loss rate: 0.05%

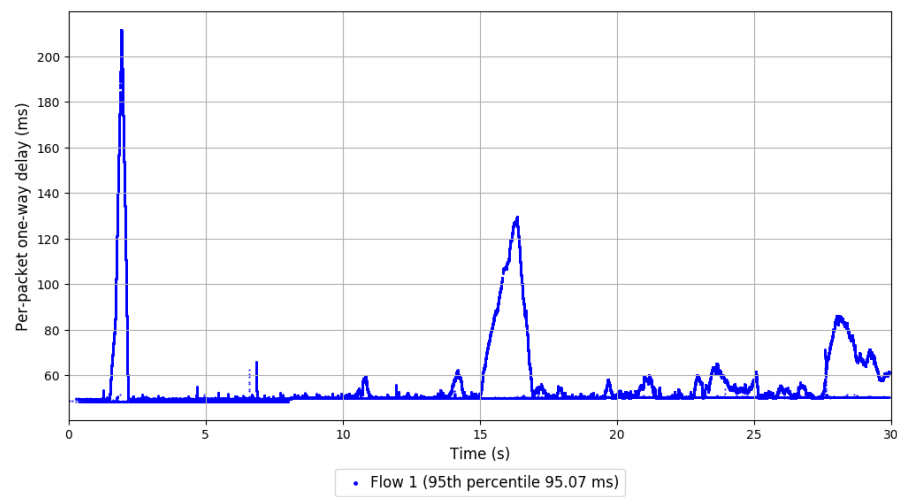
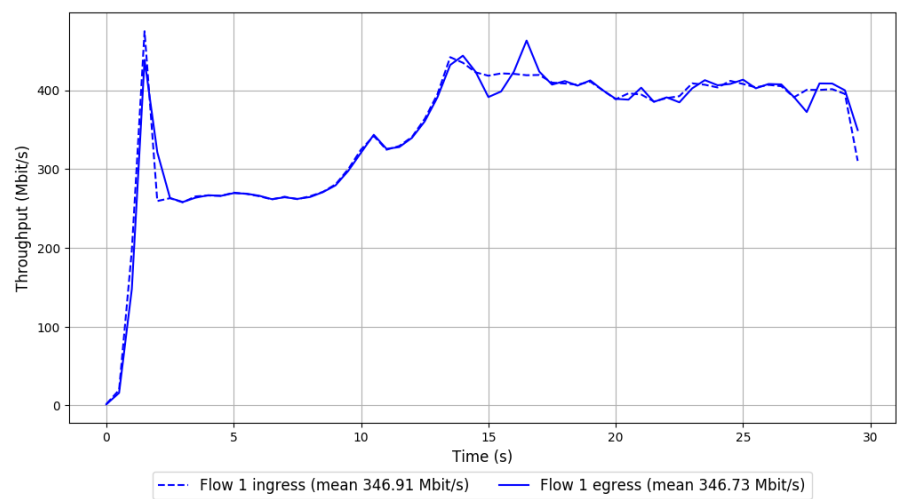
-- Flow 1:

Average throughput: 346.73 Mbit/s

95th percentile per-packet one-way delay: 95.069 ms

Loss rate: 0.05%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-16 10:45:09

End at: 2018-02-16 10:45:40

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 396.98 Mbit/s

95th percentile per-packet one-way delay: 198.991 ms

Loss rate: 0.22%

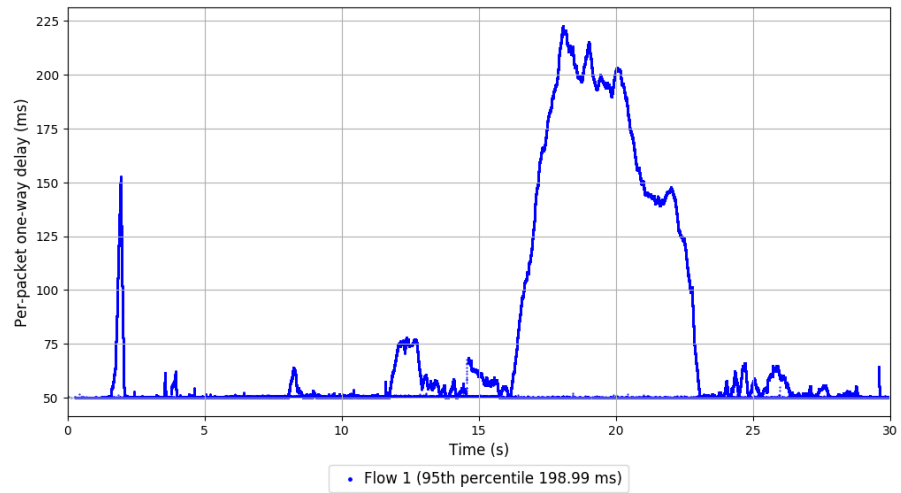
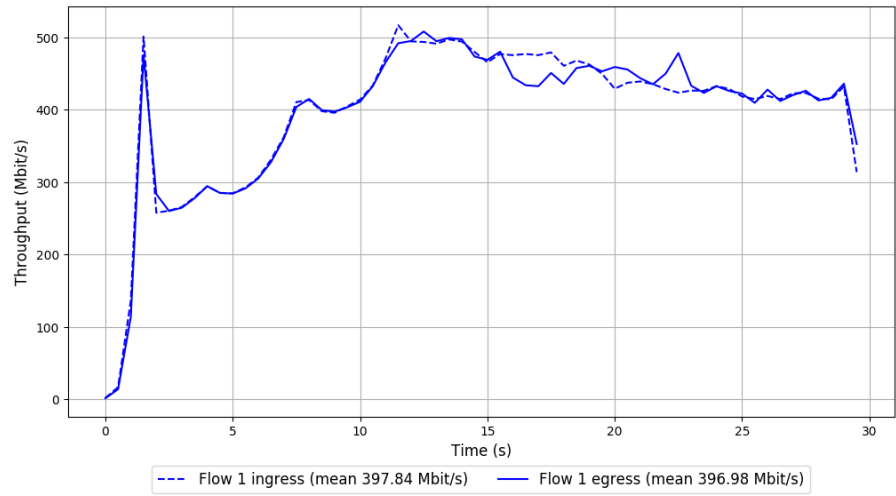
-- Flow 1:

Average throughput: 396.98 Mbit/s

95th percentile per-packet one-way delay: 198.991 ms

Loss rate: 0.22%

Run 10: Report of PCC — Data Link

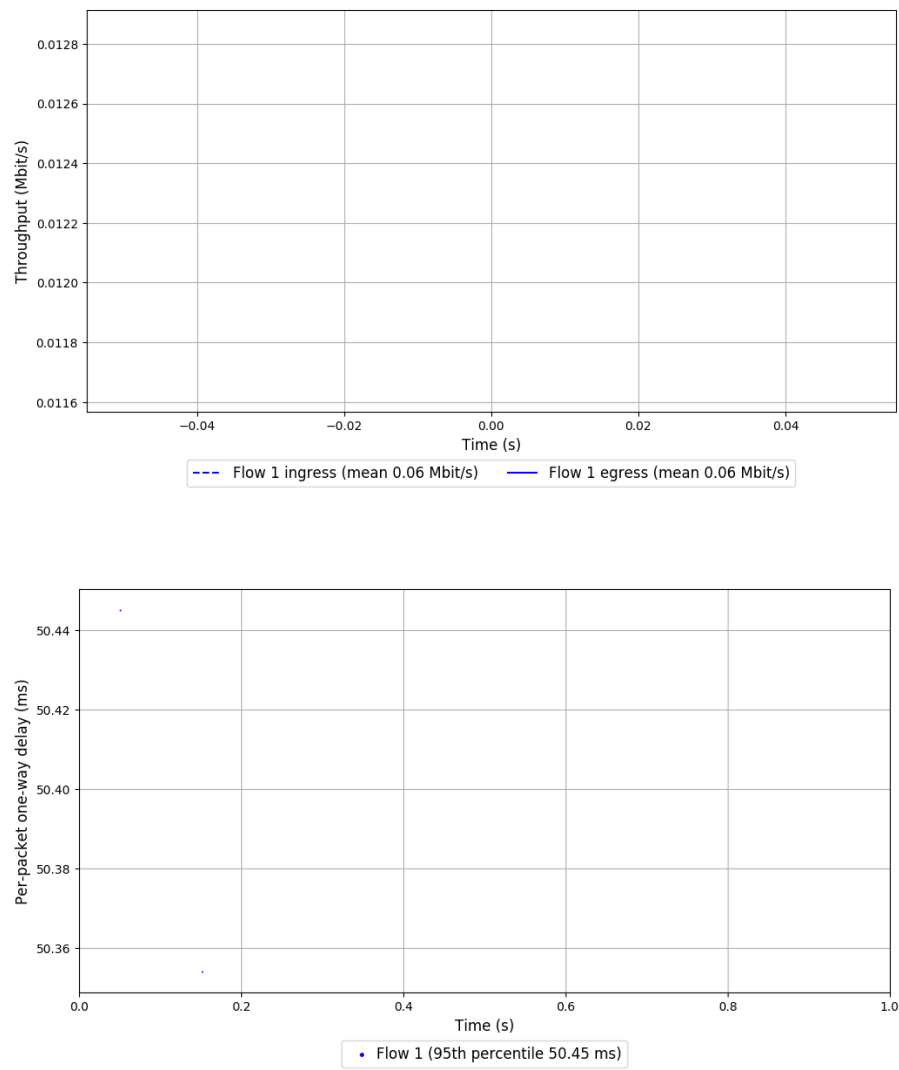


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 08:42:42

End at: 2018-02-16 08:43:12

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 08:57:31

End at: 2018-02-16 08:58:01

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.31 Mbit/s

95th percentile per-packet one-way delay: 50.619 ms

Loss rate: 0.00%

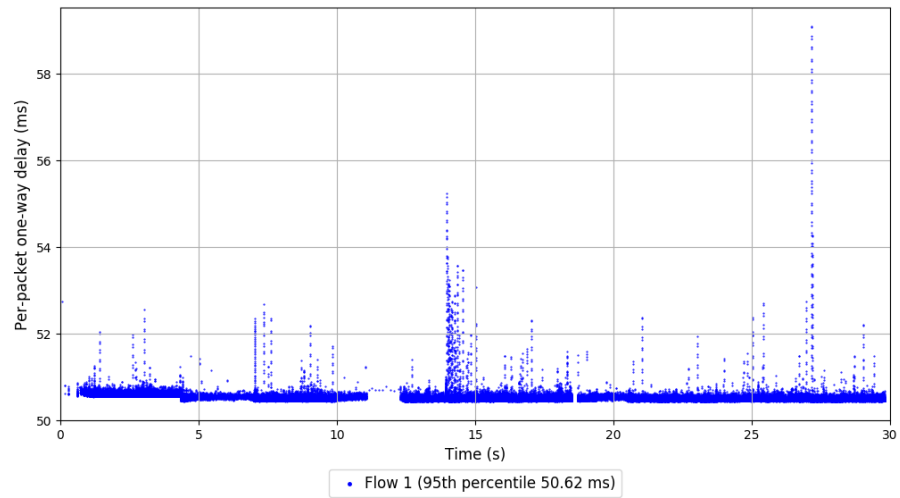
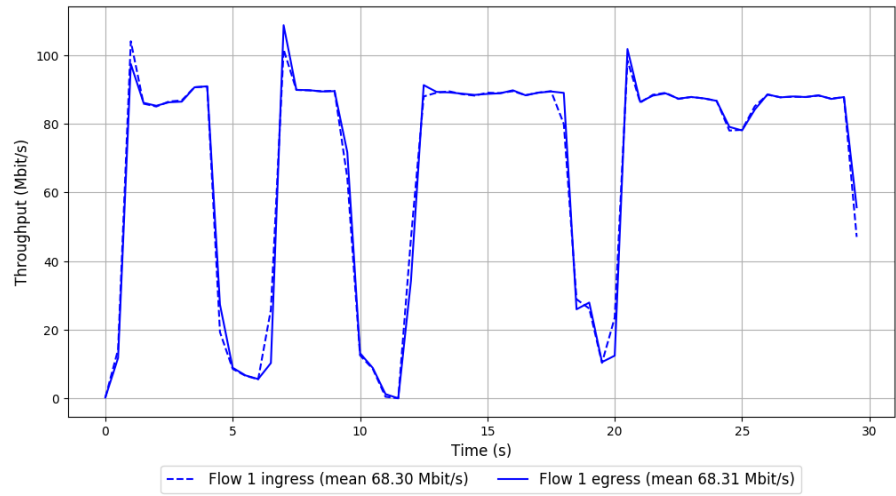
-- Flow 1:

Average throughput: 68.31 Mbit/s

95th percentile per-packet one-way delay: 50.619 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 09:12:24

End at: 2018-02-16 09:12:54

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.48 Mbit/s

95th percentile per-packet one-way delay: 50.375 ms

Loss rate: 0.00%

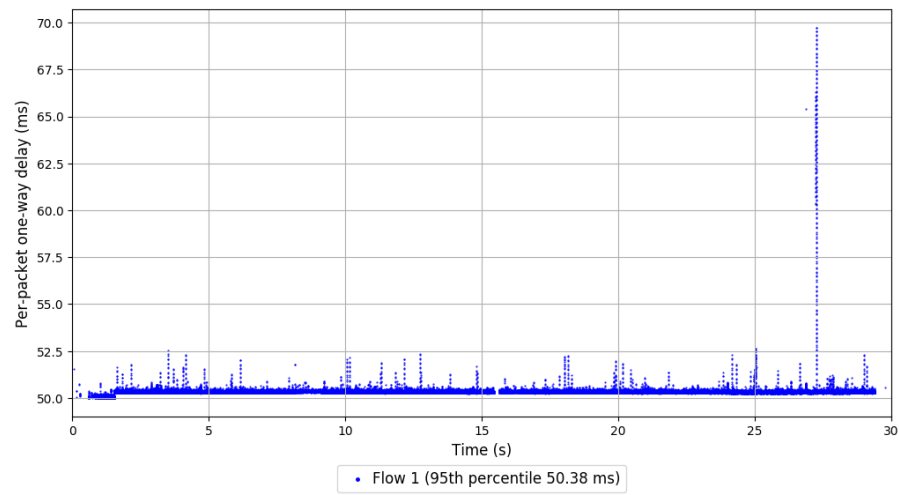
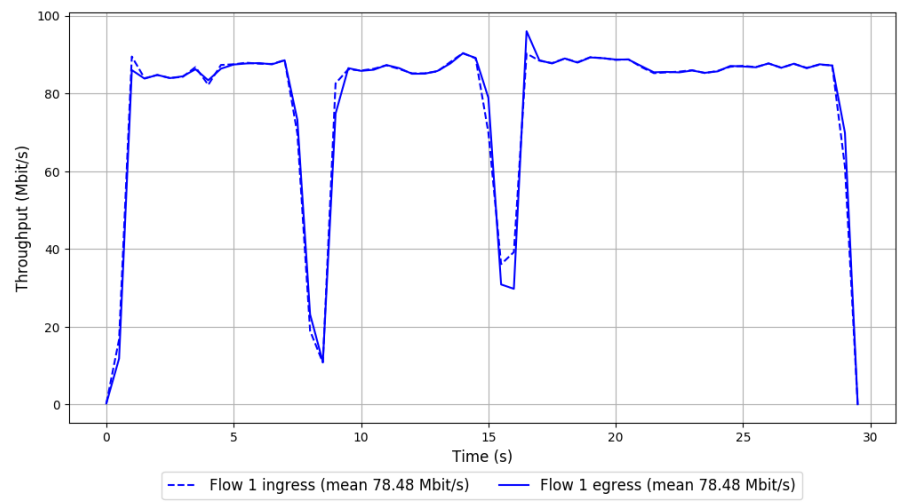
-- Flow 1:

Average throughput: 78.48 Mbit/s

95th percentile per-packet one-way delay: 50.375 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 09:27:06

End at: 2018-02-16 09:27:36

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 49.601 ms

Loss rate: 0.00%

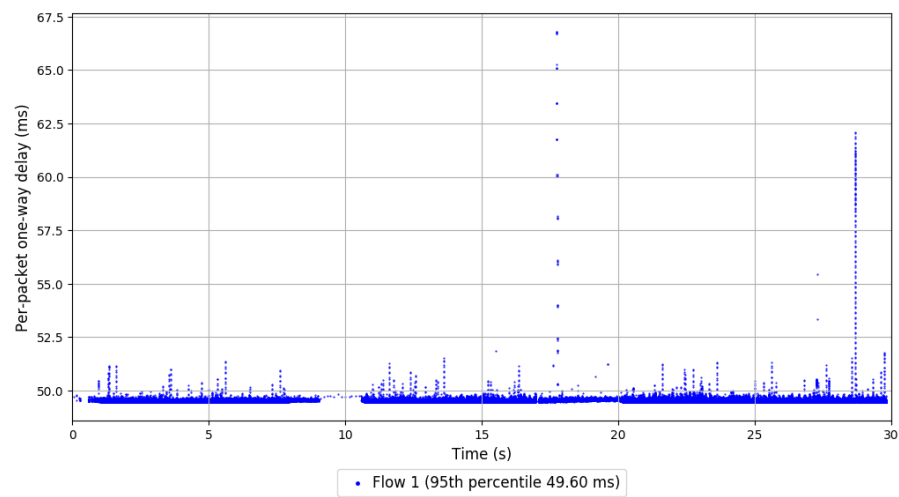
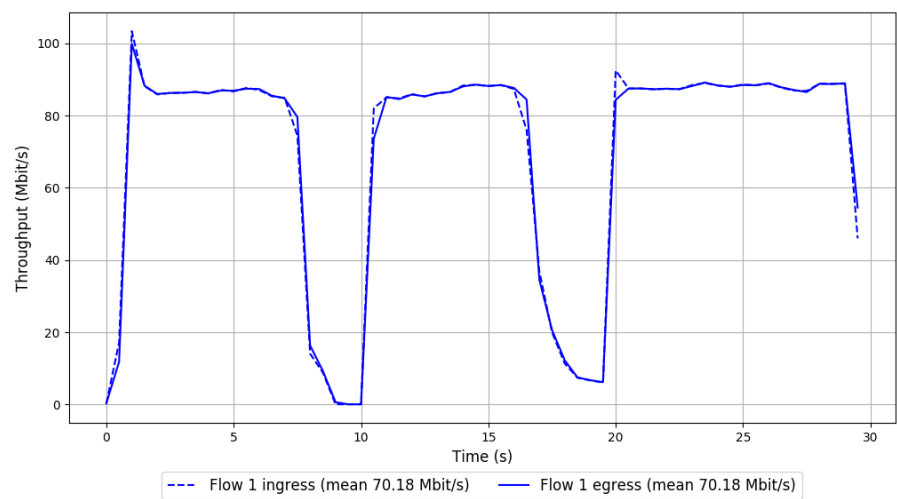
-- Flow 1:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 49.601 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 09:41:58

End at: 2018-02-16 09:42:28

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.41 Mbit/s

95th percentile per-packet one-way delay: 49.719 ms

Loss rate: 0.01%

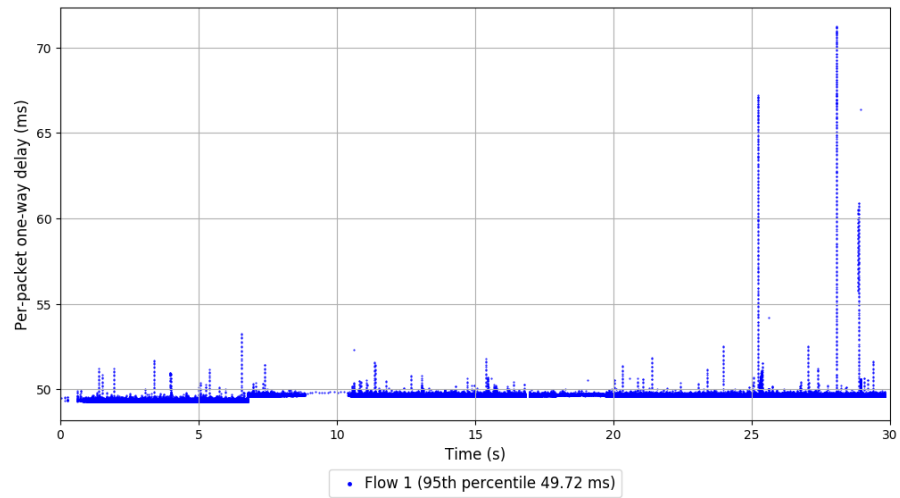
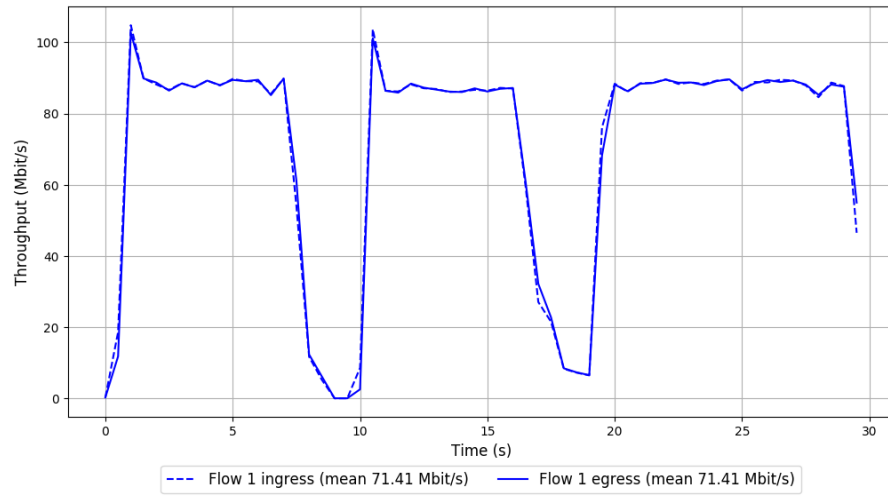
-- Flow 1:

Average throughput: 71.41 Mbit/s

95th percentile per-packet one-way delay: 49.719 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 09:57:02

End at: 2018-02-16 09:57:32

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.26 Mbit/s

95th percentile per-packet one-way delay: 50.147 ms

Loss rate: 0.01%

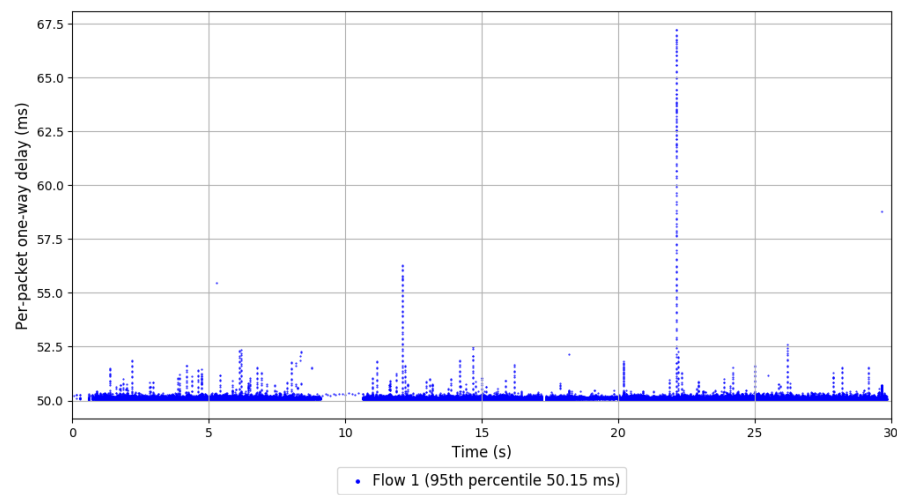
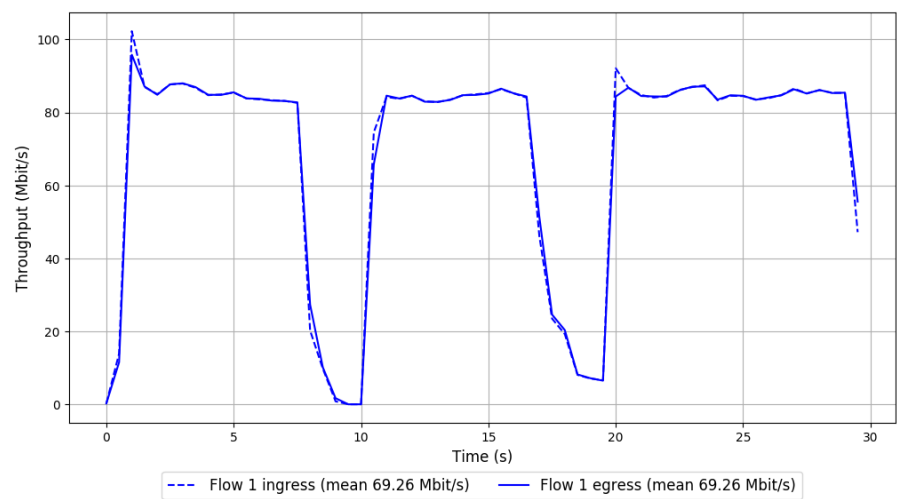
-- Flow 1:

Average throughput: 69.26 Mbit/s

95th percentile per-packet one-way delay: 50.147 ms

Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 10:11:47

End at: 2018-02-16 10:12:17

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.75 Mbit/s

95th percentile per-packet one-way delay: 49.553 ms

Loss rate: 0.00%

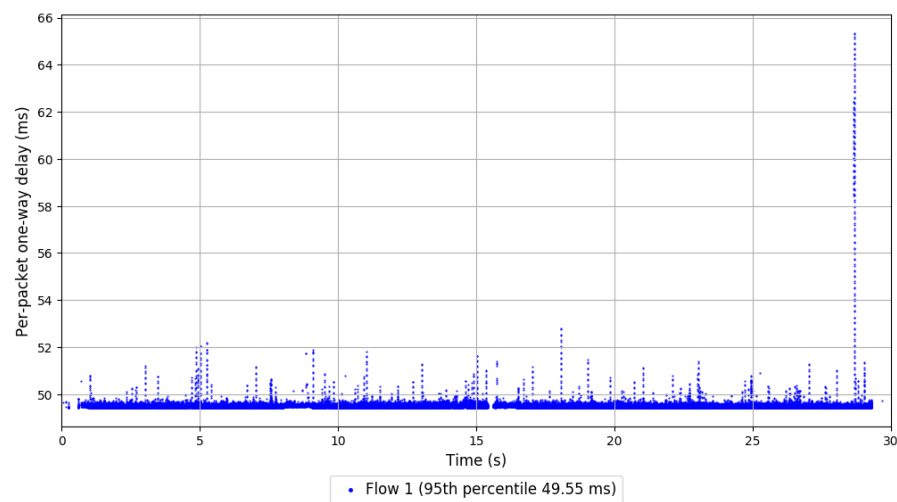
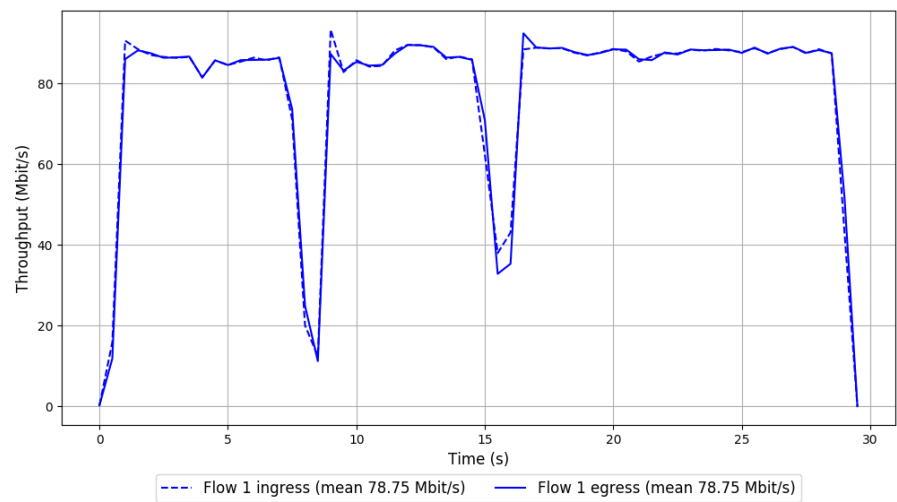
-- Flow 1:

Average throughput: 78.75 Mbit/s

95th percentile per-packet one-way delay: 49.553 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 10:26:35

End at: 2018-02-16 10:27:05

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.74 Mbit/s

95th percentile per-packet one-way delay: 50.071 ms

Loss rate: 0.00%

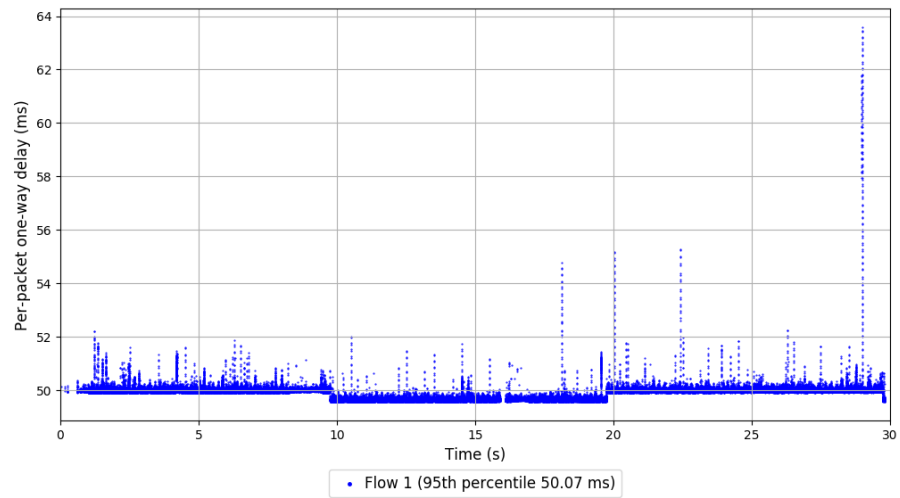
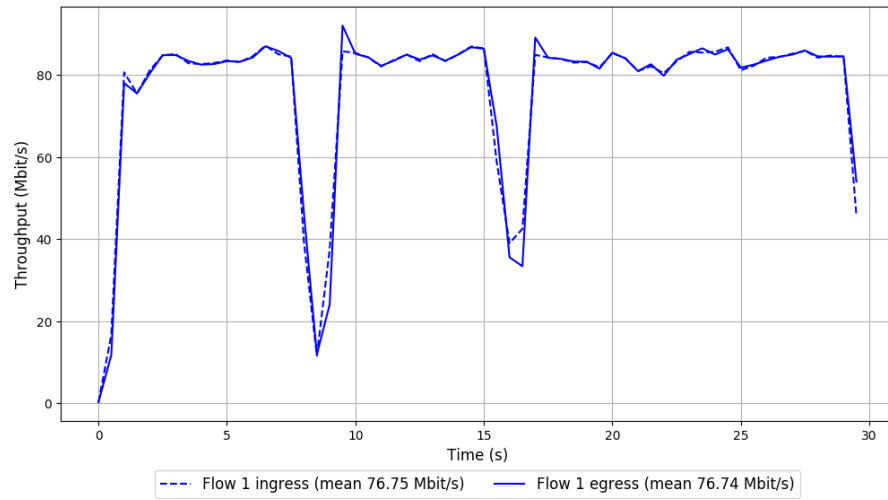
-- Flow 1:

Average throughput: 76.74 Mbit/s

95th percentile per-packet one-way delay: 50.071 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 10:41:25

End at: 2018-02-16 10:41:55

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.39 Mbit/s

95th percentile per-packet one-way delay: 50.517 ms

Loss rate: 0.00%

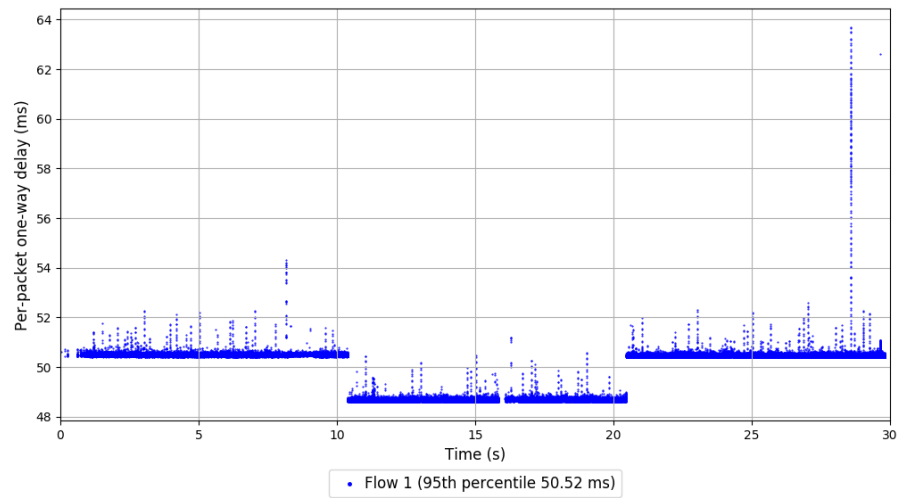
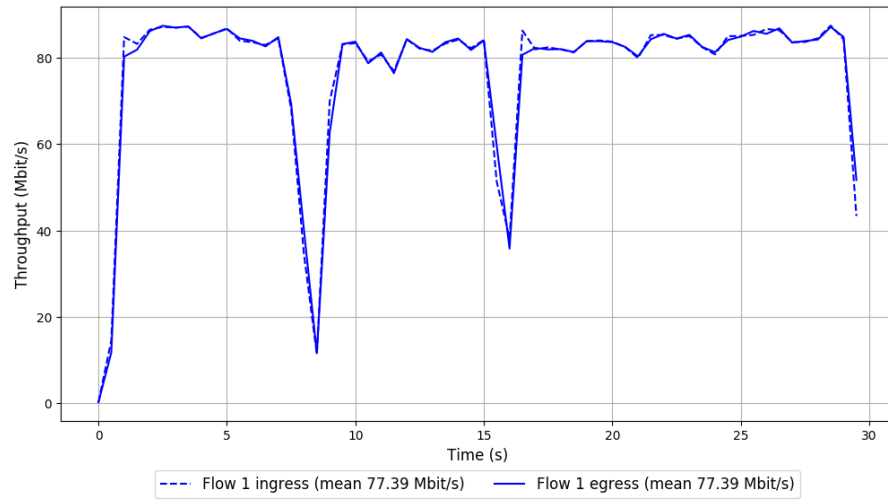
-- Flow 1:

Average throughput: 77.39 Mbit/s

95th percentile per-packet one-way delay: 50.517 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

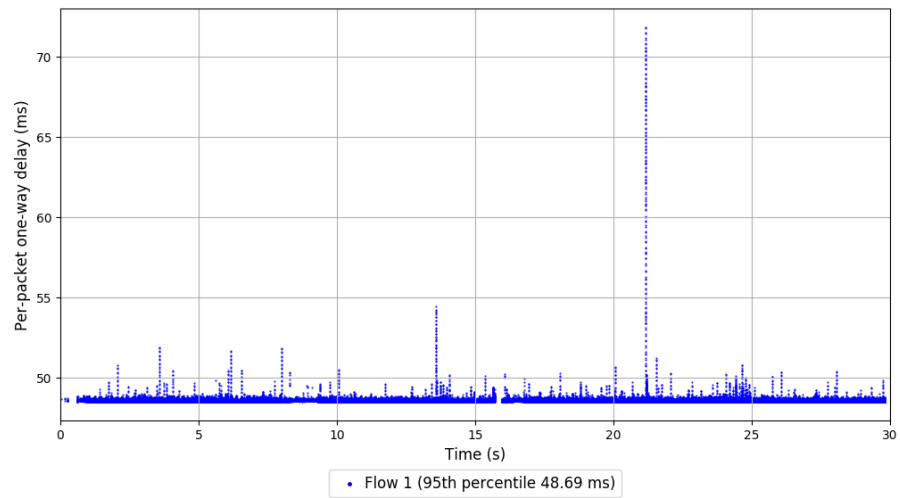
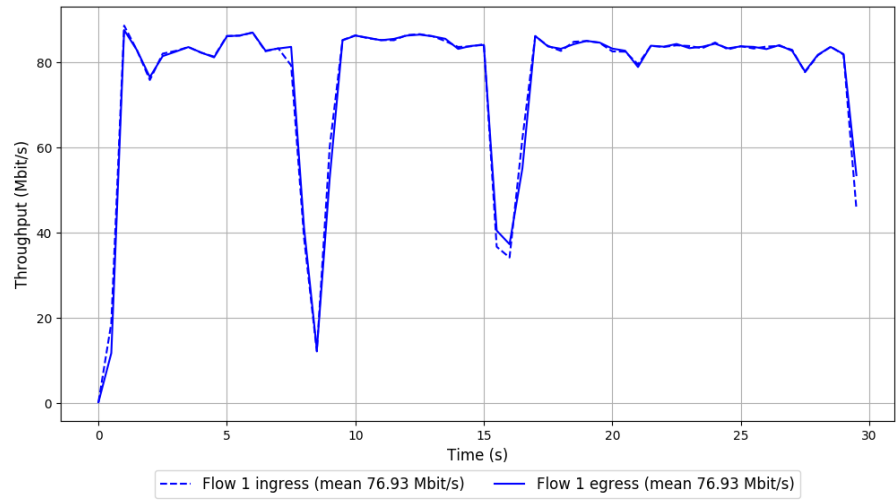


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 10:56:22
End at: 2018-02-16 10:56:52

# Below is generated by plot.py at 2018-02-16 13:19:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 48.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 48.687 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

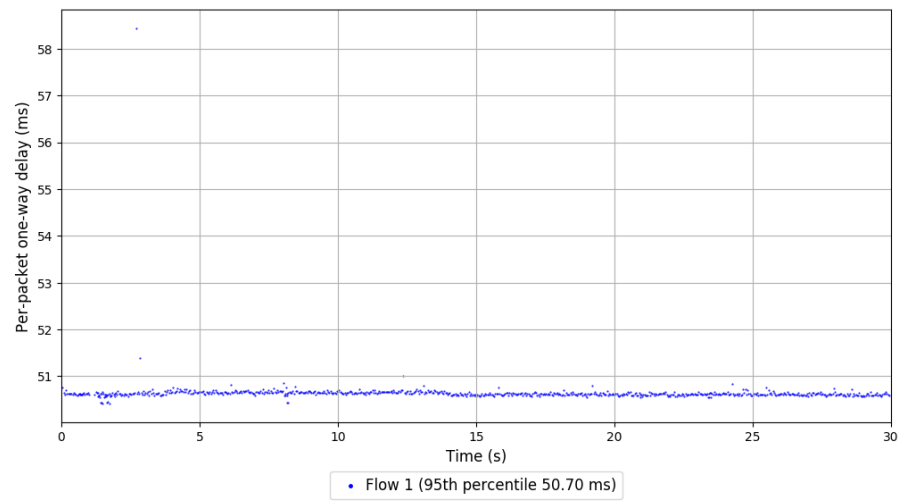
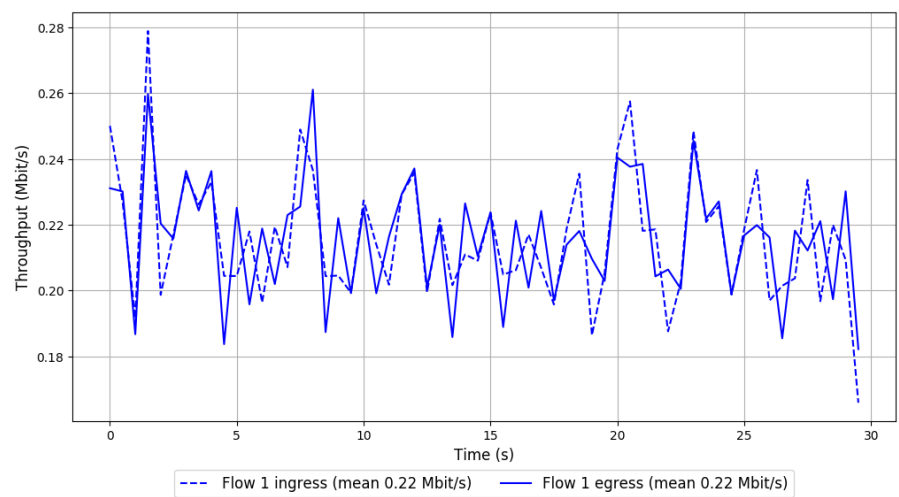


```
Run 1: Statistics of SCReAM

Start at: 2018-02-16 08:37:21
End at: 2018-02-16 08:37:51

# Below is generated by plot.py at 2018-02-16 13:19:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.698 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

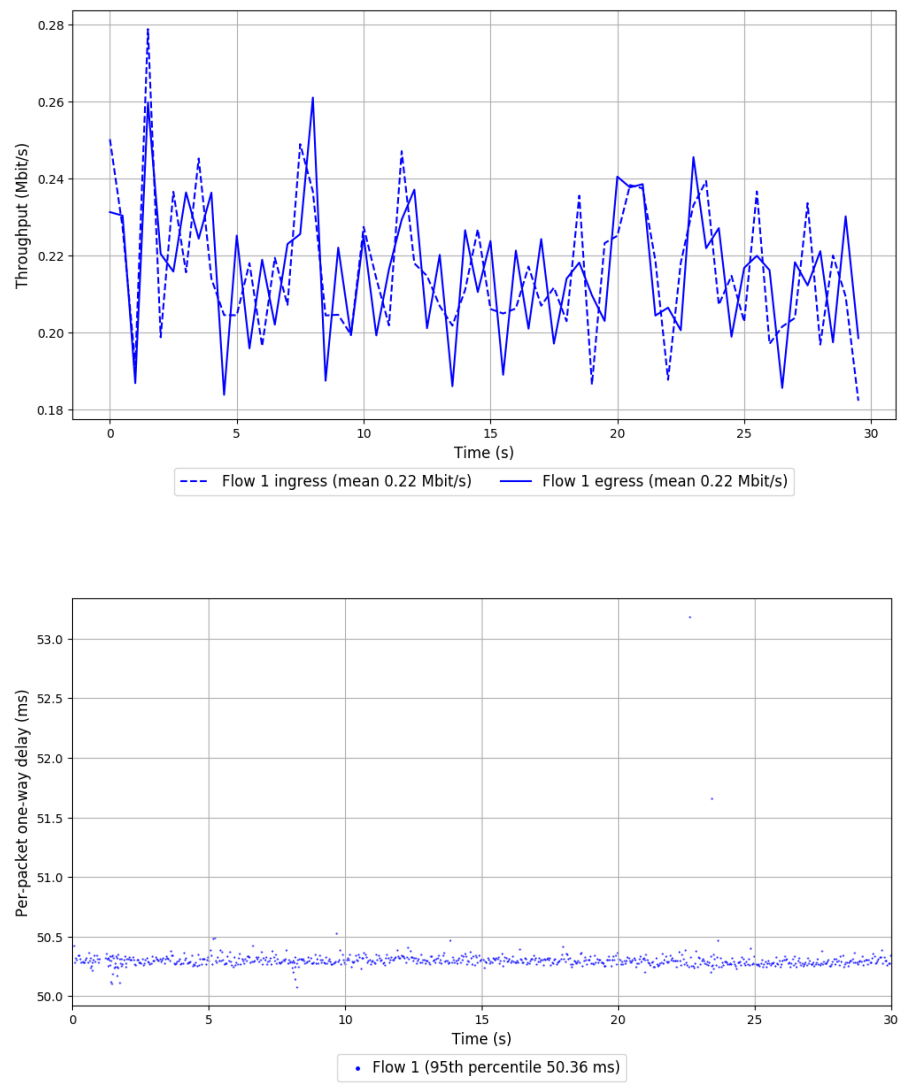


```
Run 2: Statistics of SCReAM

Start at: 2018-02-16 08:51:55
End at: 2018-02-16 08:52:25

# Below is generated by plot.py at 2018-02-16 13:19:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.361 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-16 09:06:50

End at: 2018-02-16 09:07:20

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.576 ms

Loss rate: 0.00%

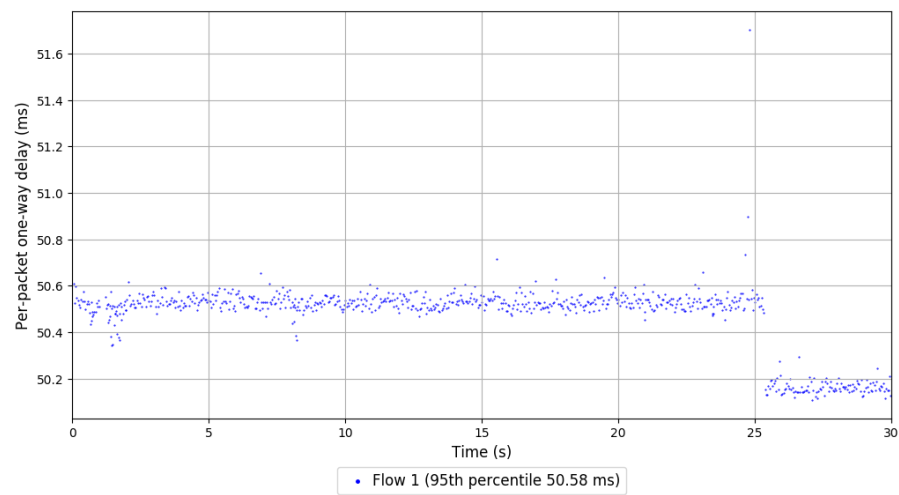
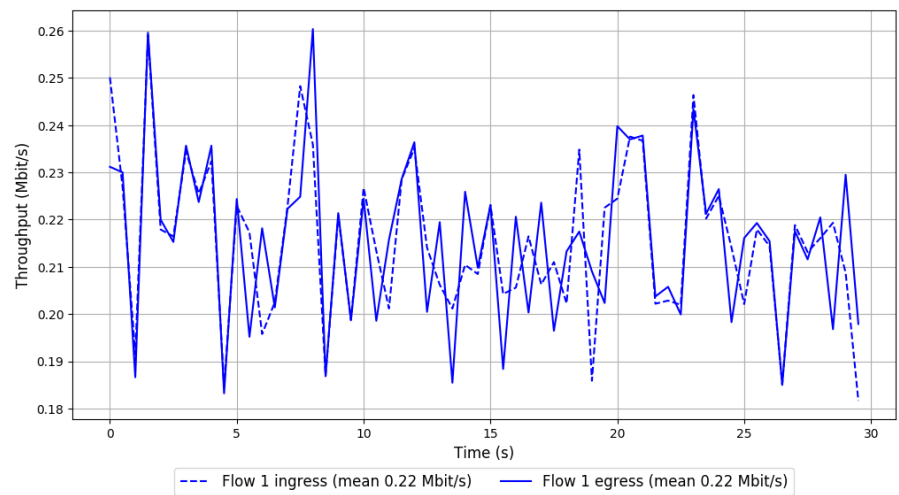
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.576 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

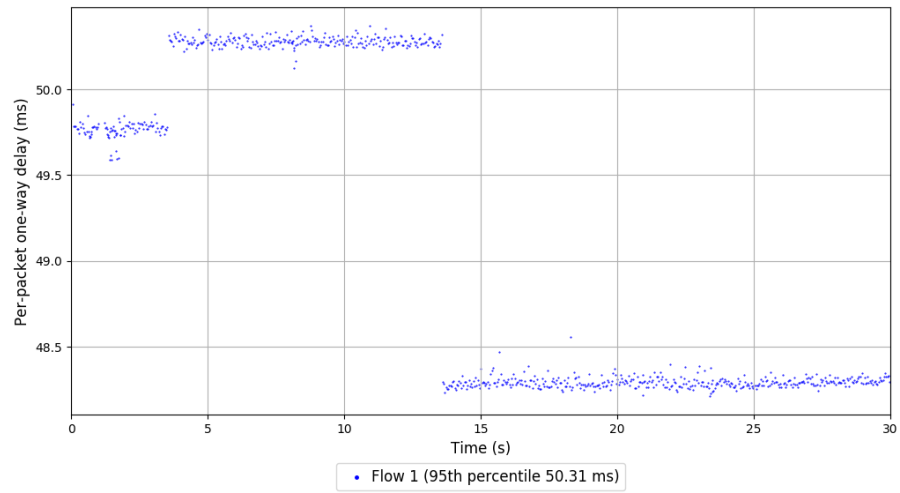
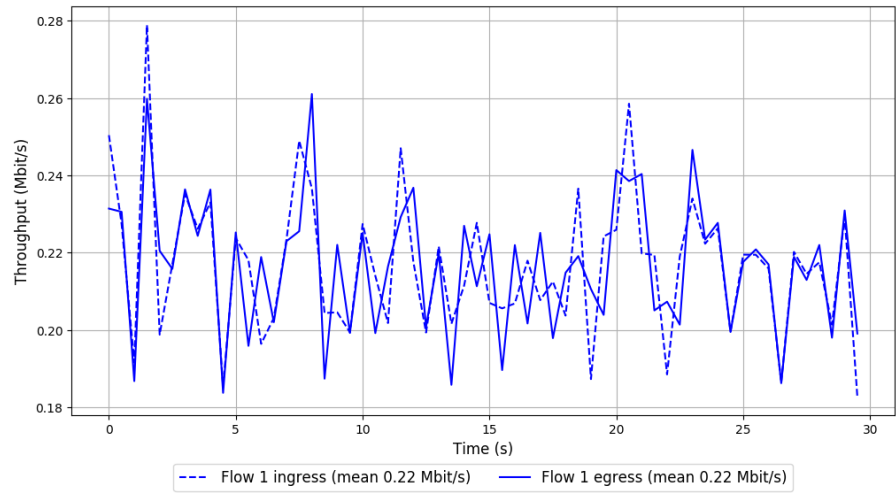


```
Run 4: Statistics of SCReAM

Start at: 2018-02-16 09:21:32
End at: 2018-02-16 09:22:02

# Below is generated by plot.py at 2018-02-16 13:19:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.308 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-16 09:36:14

End at: 2018-02-16 09:36:44

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.313 ms

Loss rate: 0.00%

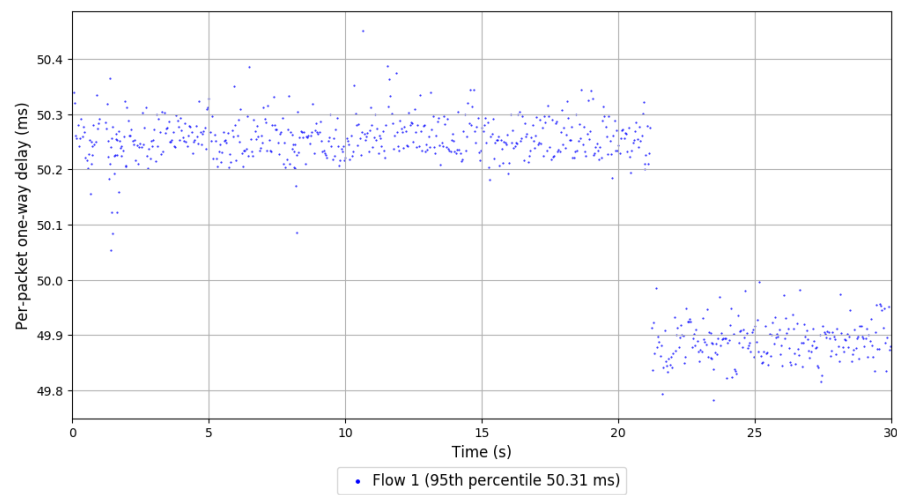
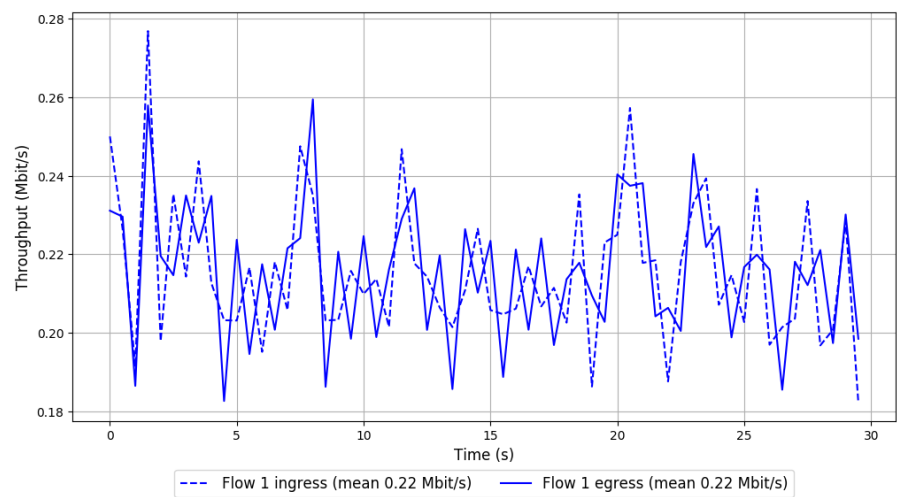
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.313 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-16 09:51:14

End at: 2018-02-16 09:51:44

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.460 ms

Loss rate: 0.00%

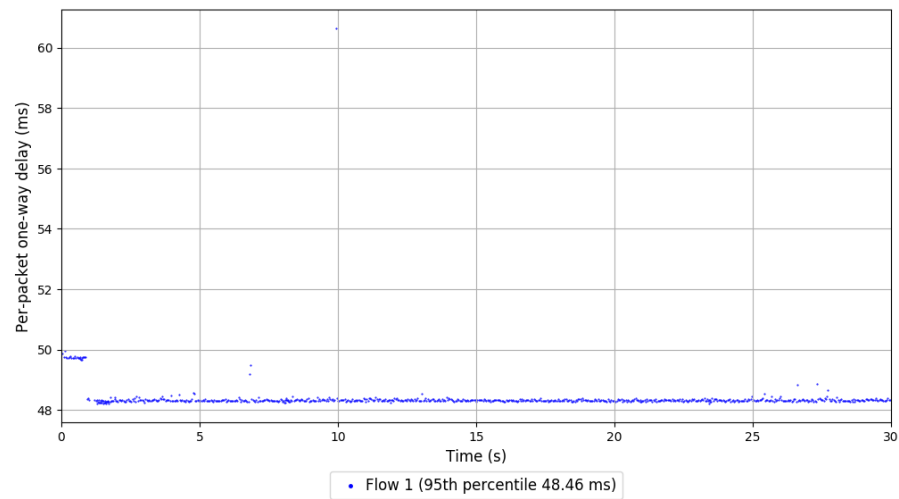
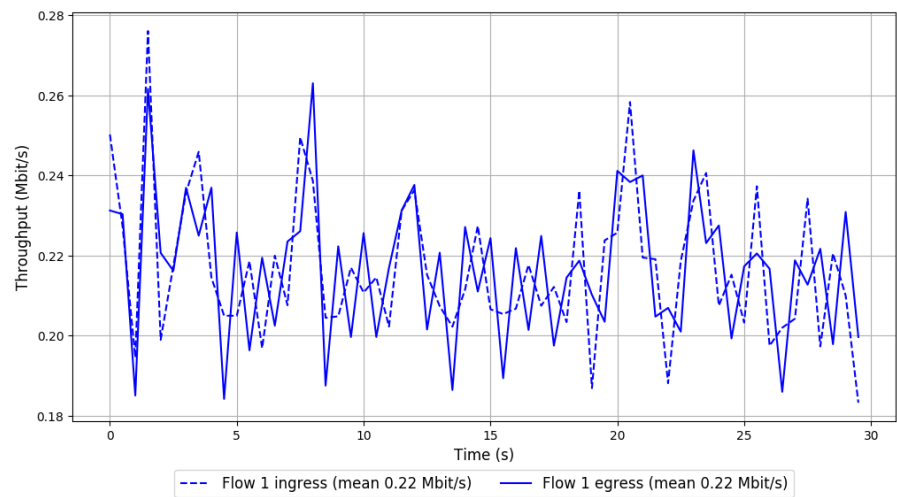
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.460 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

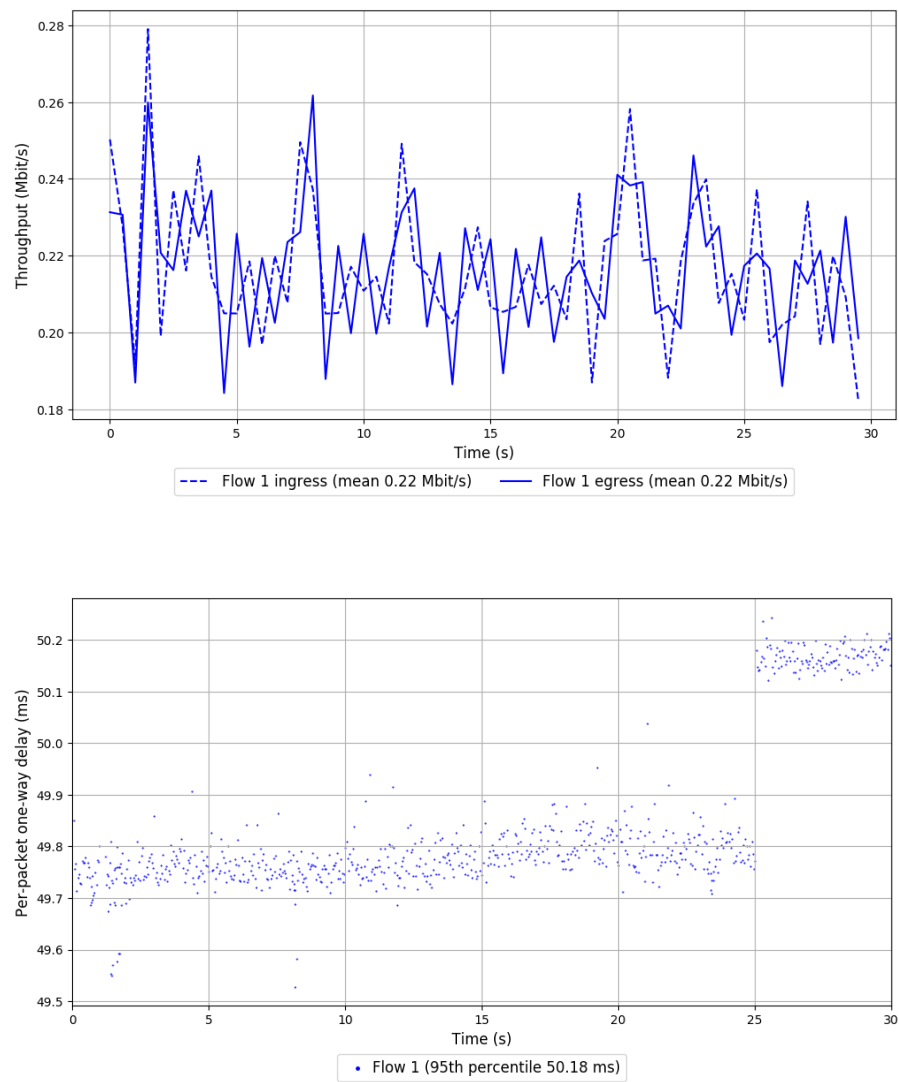


```
Run 7: Statistics of SCReAM

Start at: 2018-02-16 10:06:10
End at: 2018-02-16 10:06:40

# Below is generated by plot.py at 2018-02-16 13:19:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.180 ms
Loss rate: 0.00%
```

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-16 10:20:56

End at: 2018-02-16 10:21:26

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.285 ms

Loss rate: 0.00%

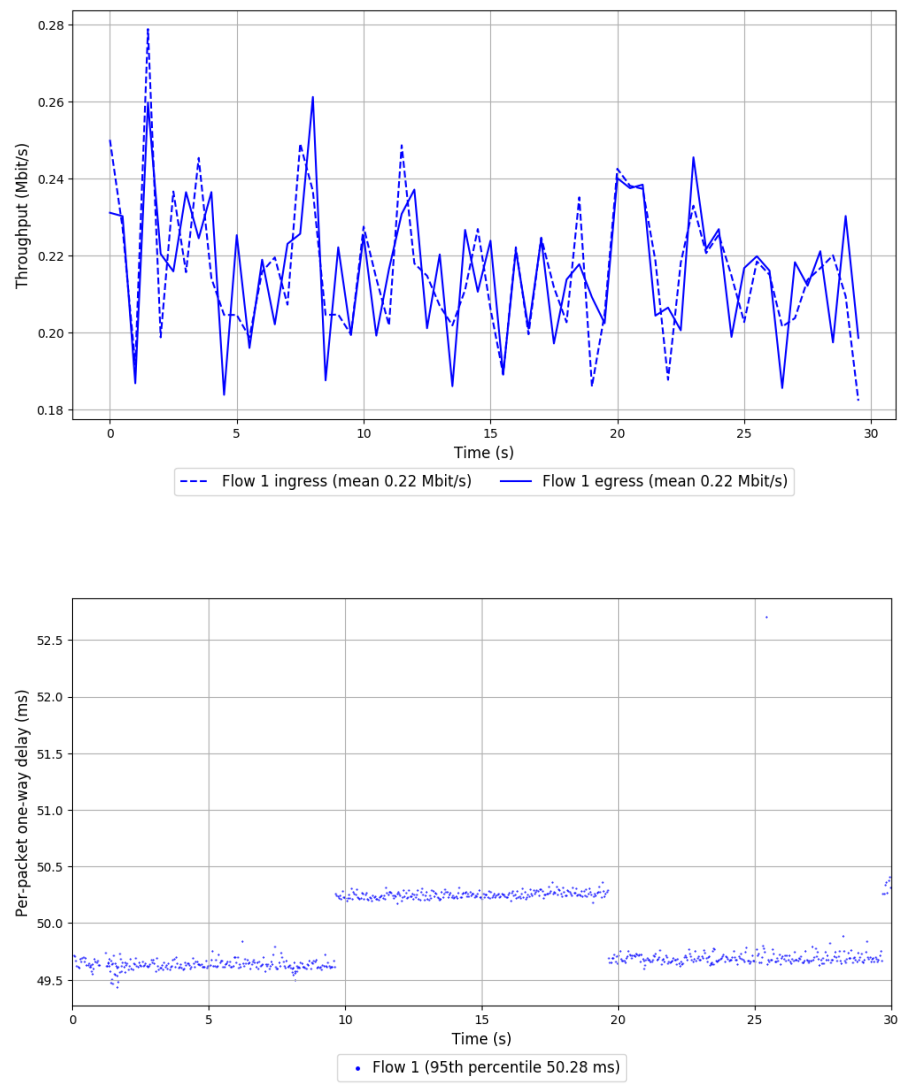
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.285 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-16 10:35:45

End at: 2018-02-16 10:36:15

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.828 ms

Loss rate: 0.13%

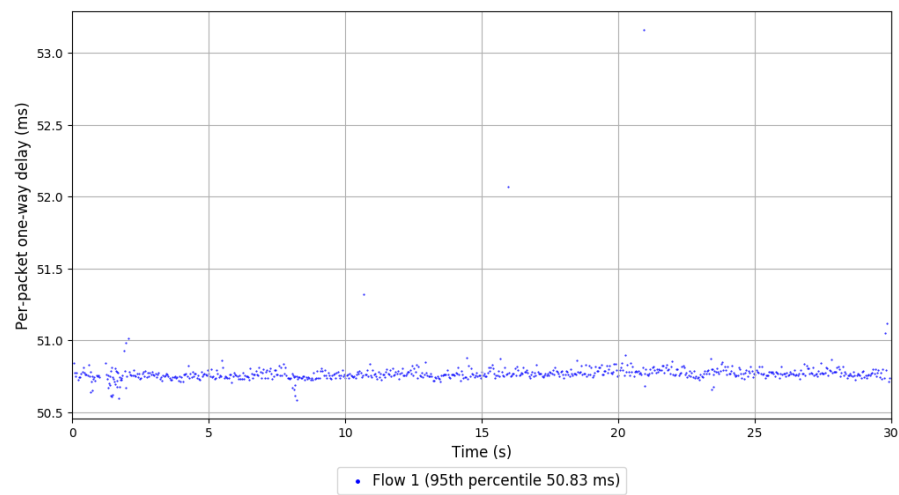
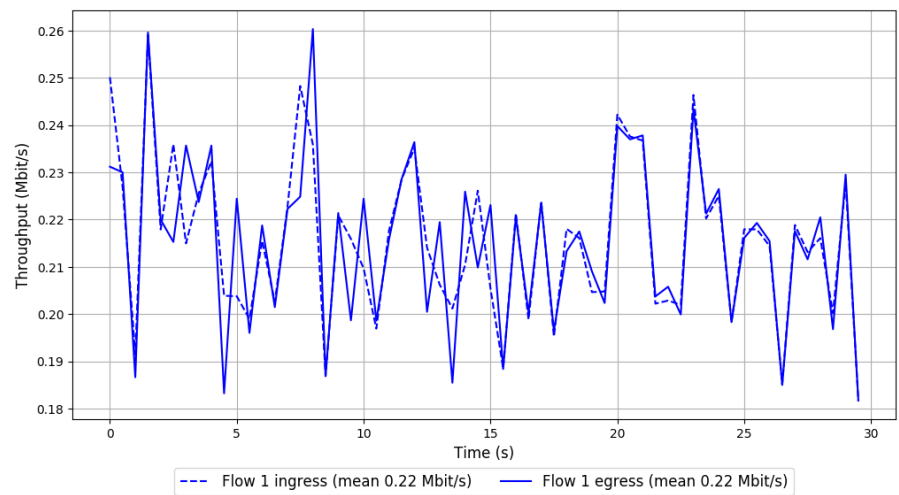
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.828 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-16 10:50:34

End at: 2018-02-16 10:51:04

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.400 ms

Loss rate: 0.00%

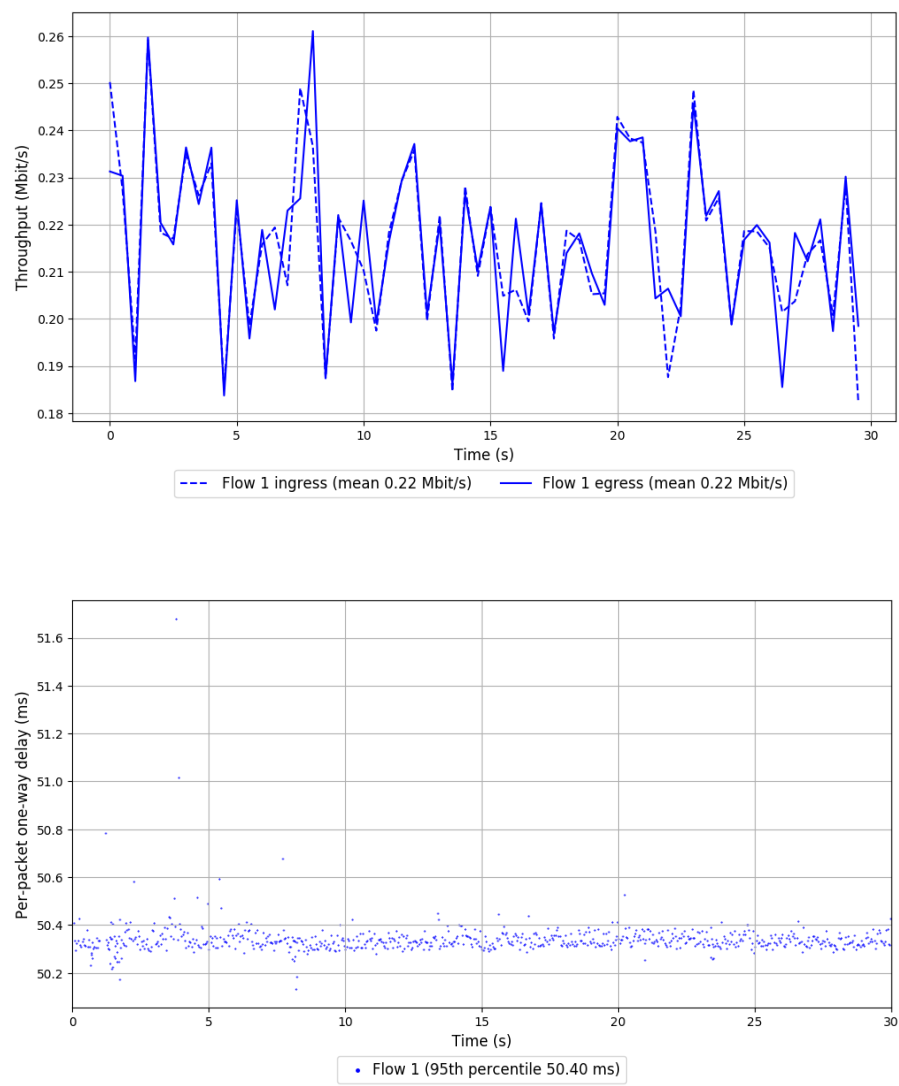
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.400 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

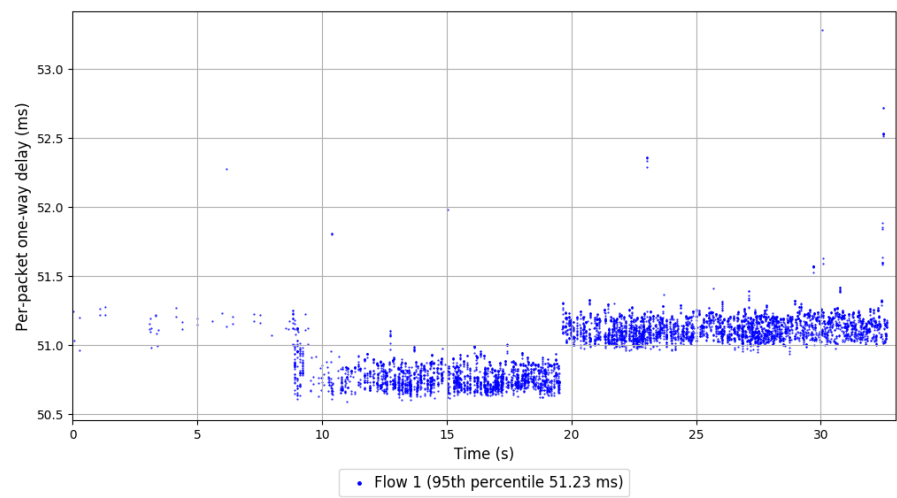
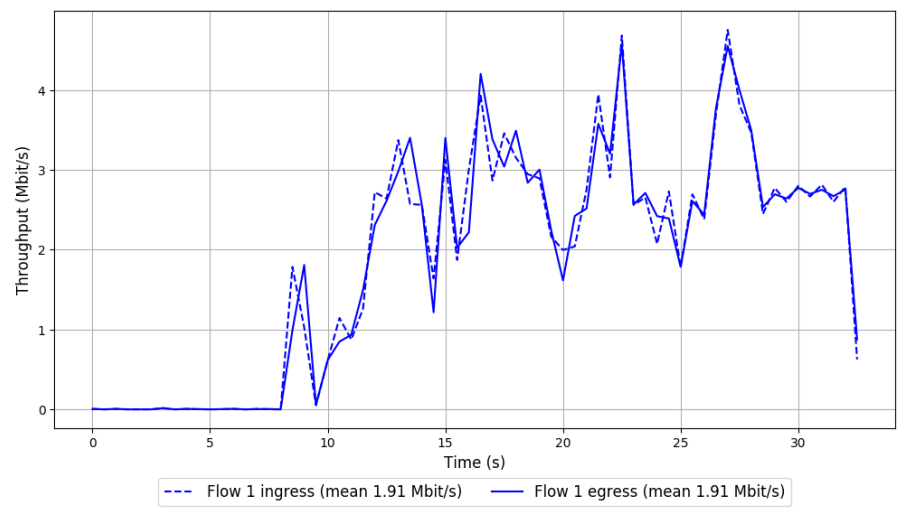


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-16 08:30:38
End at: 2018-02-16 08:31:08

# Below is generated by plot.py at 2018-02-16 13:19:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 51.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 51.232 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

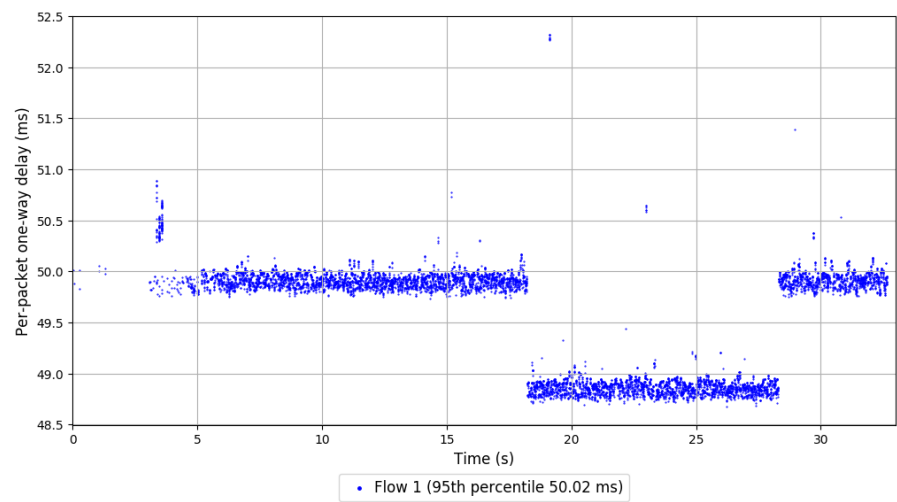
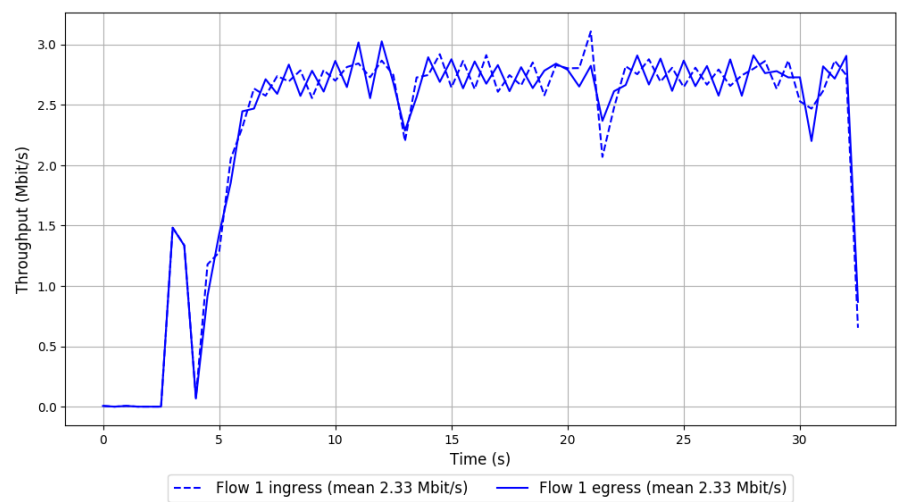


```
Run 2: Statistics of WebRTC media

Start at: 2018-02-16 08:45:00
End at: 2018-02-16 08:45:30

# Below is generated by plot.py at 2018-02-16 13:19:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 50.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 50.019 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-16 08:59:51

End at: 2018-02-16 09:00:21

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.521 ms

Loss rate: 0.00%

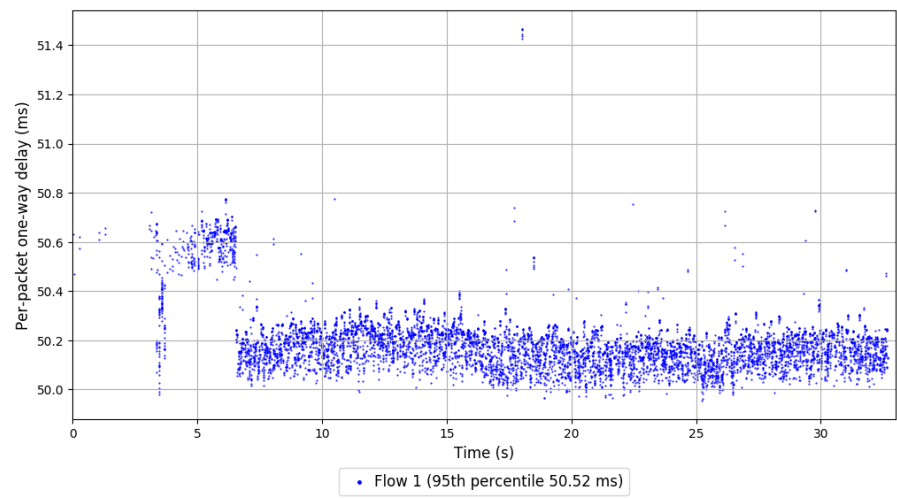
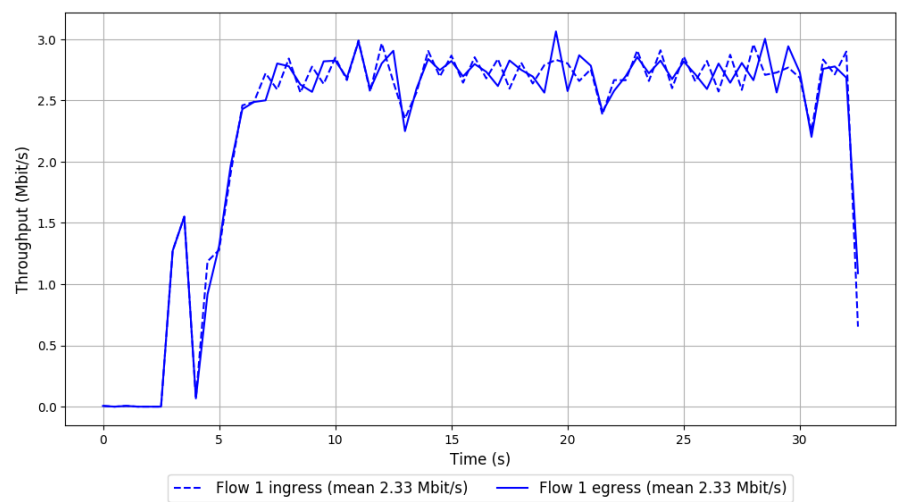
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.521 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-16 09:14:44

End at: 2018-02-16 09:15:14

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 48.520 ms

Loss rate: 0.00%

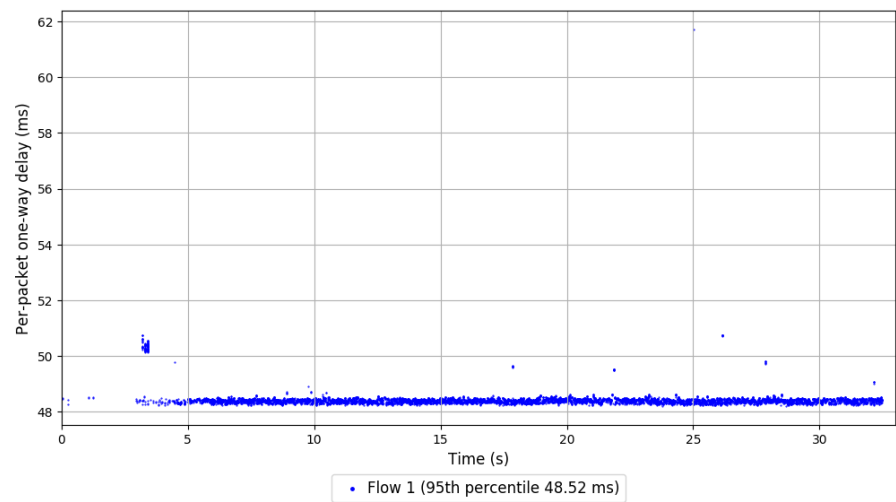
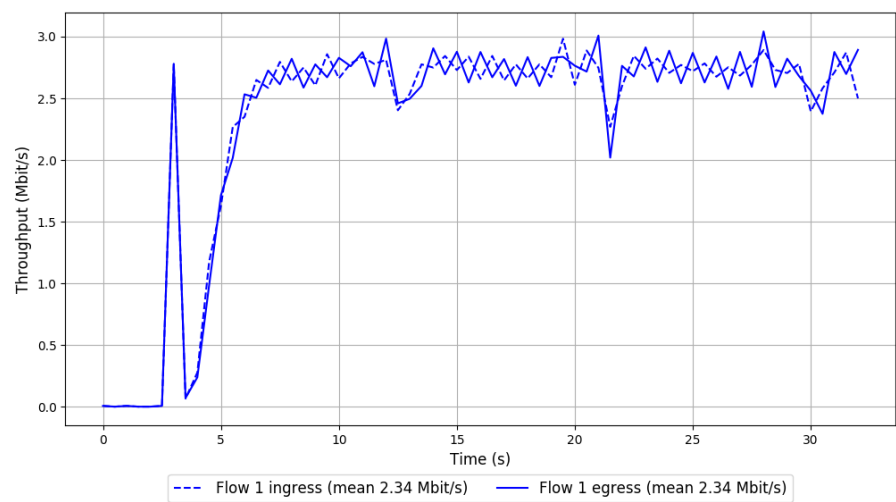
-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 48.520 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-16 09:29:27

End at: 2018-02-16 09:29:57

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 50.220 ms

Loss rate: 0.01%

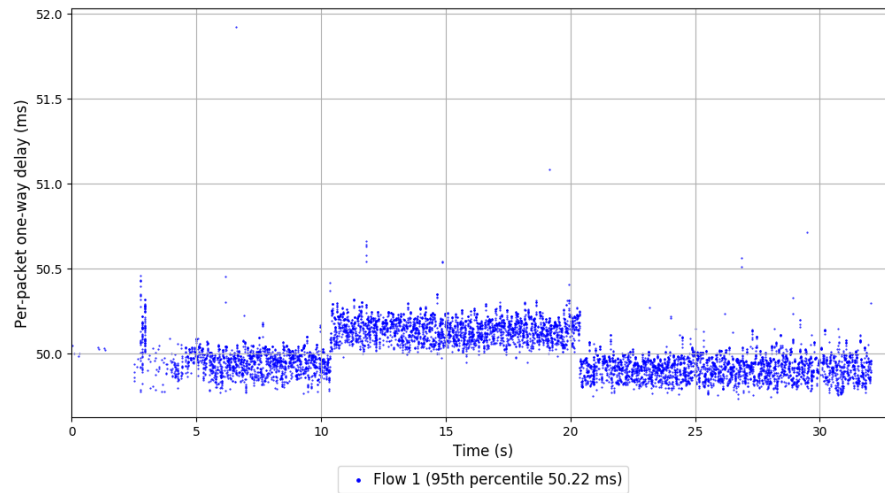
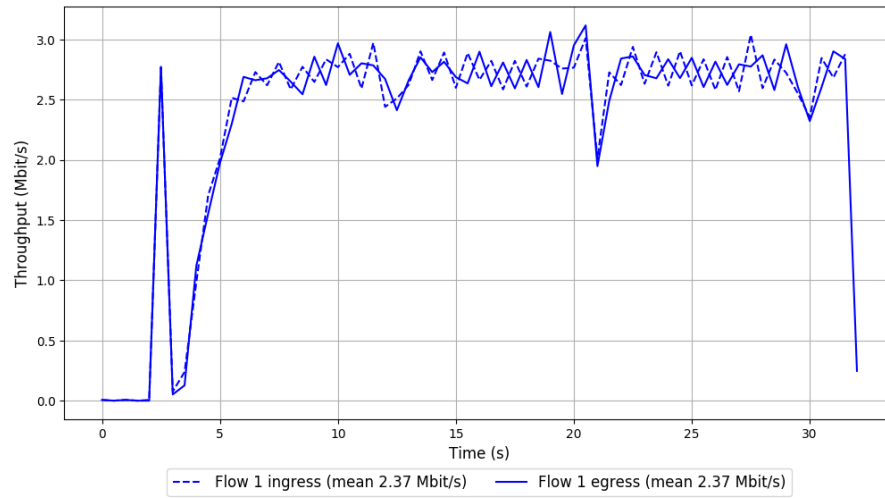
-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 50.220 ms

Loss rate: 0.01%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-16 09:44:19

End at: 2018-02-16 09:44:49

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 49.731 ms

Loss rate: 0.00%

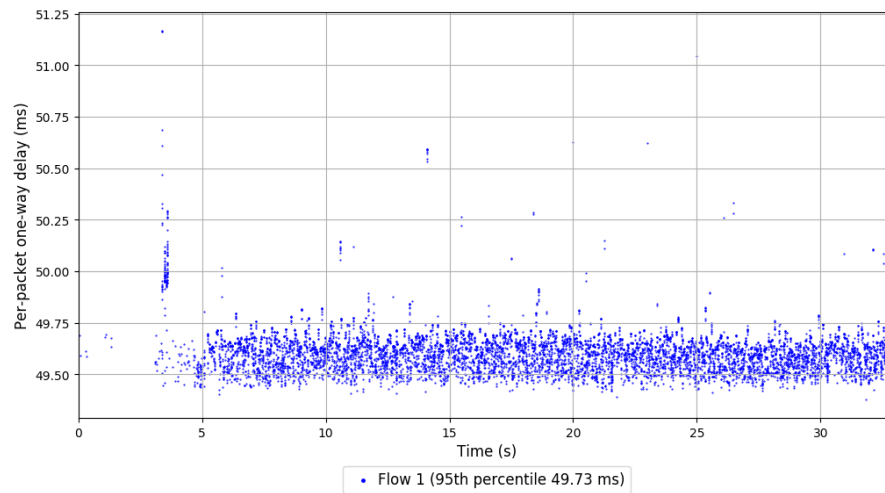
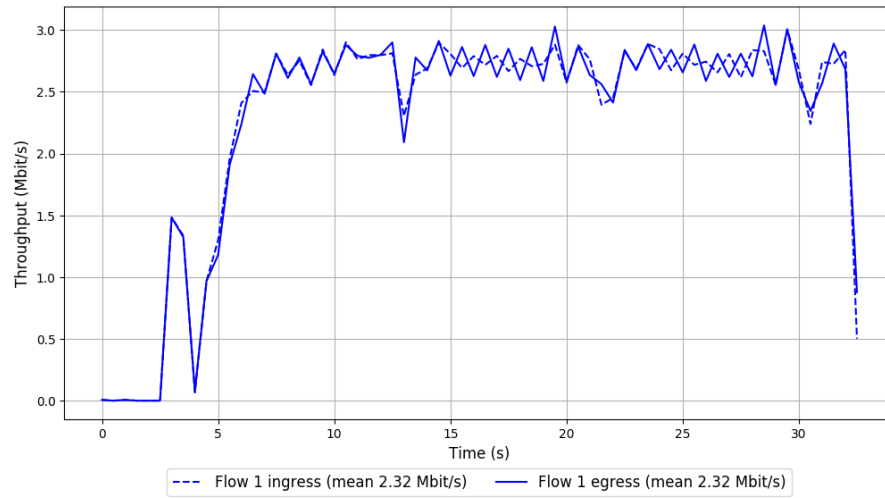
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 49.731 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-16 09:59:23

End at: 2018-02-16 09:59:53

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.103 ms

Loss rate: 0.00%

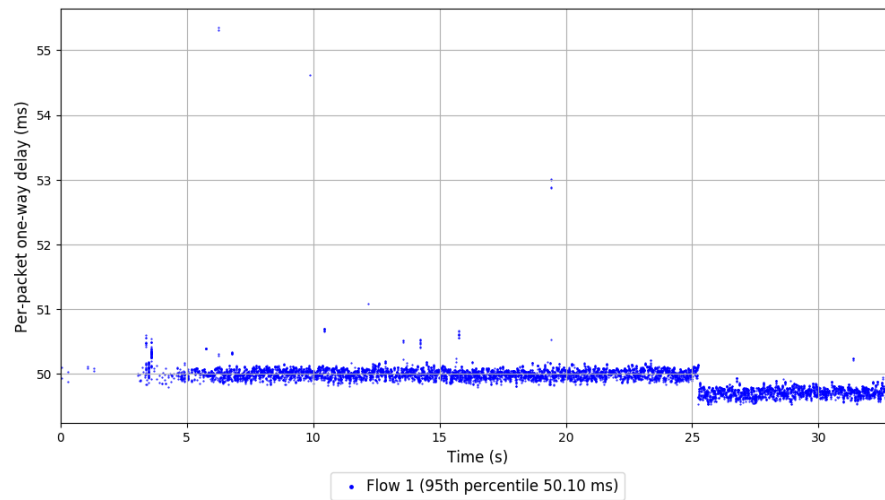
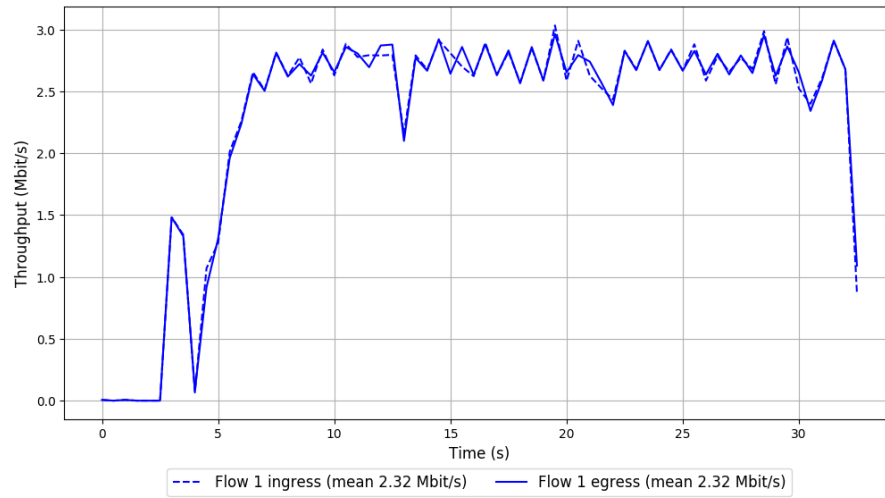
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.103 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-16 10:14:06

End at: 2018-02-16 10:14:36

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 50.065 ms

Loss rate: 0.00%

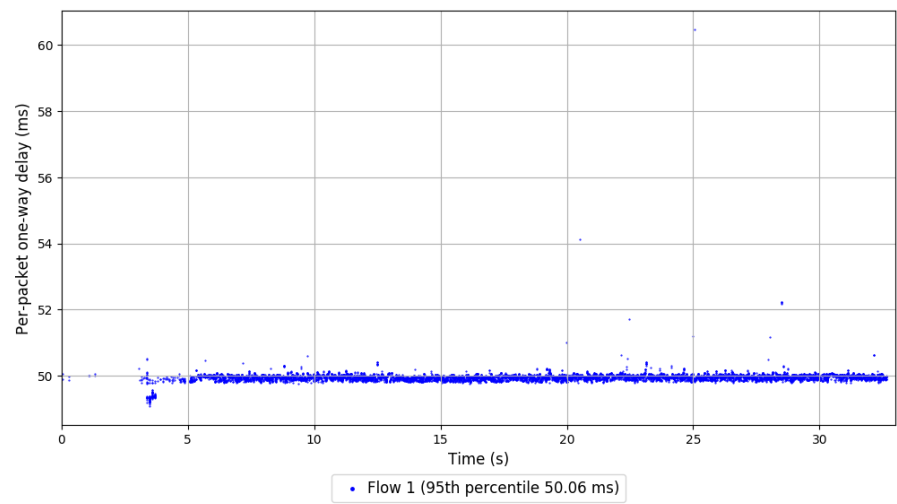
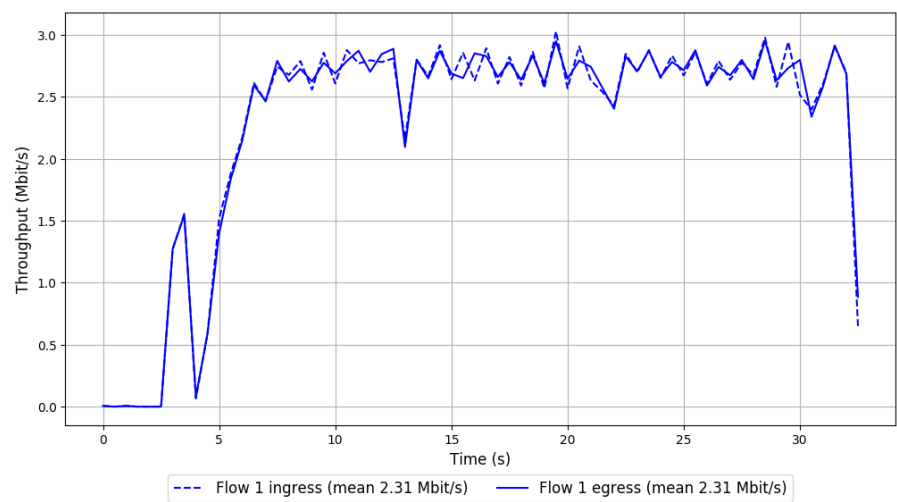
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 50.065 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-16 10:28:55

End at: 2018-02-16 10:29:25

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.251 ms

Loss rate: 0.00%

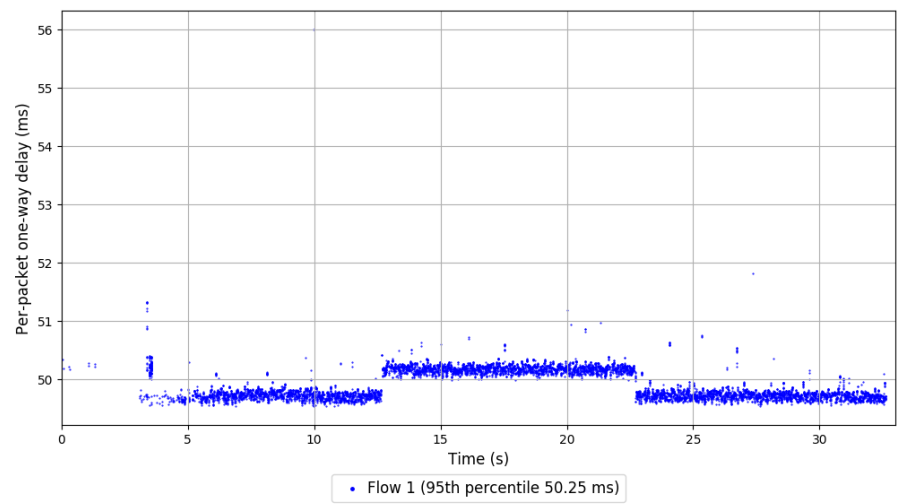
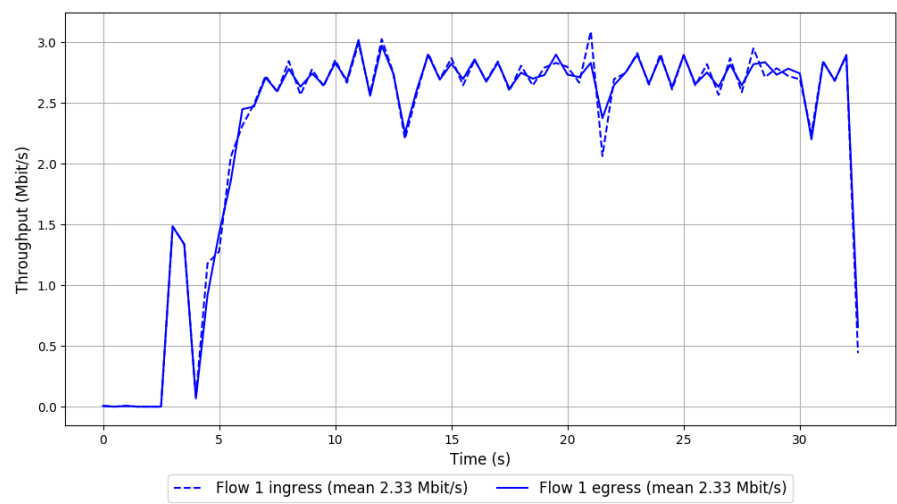
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.251 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-16 10:43:47

End at: 2018-02-16 10:44:17

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.696 ms

Loss rate: 0.00%

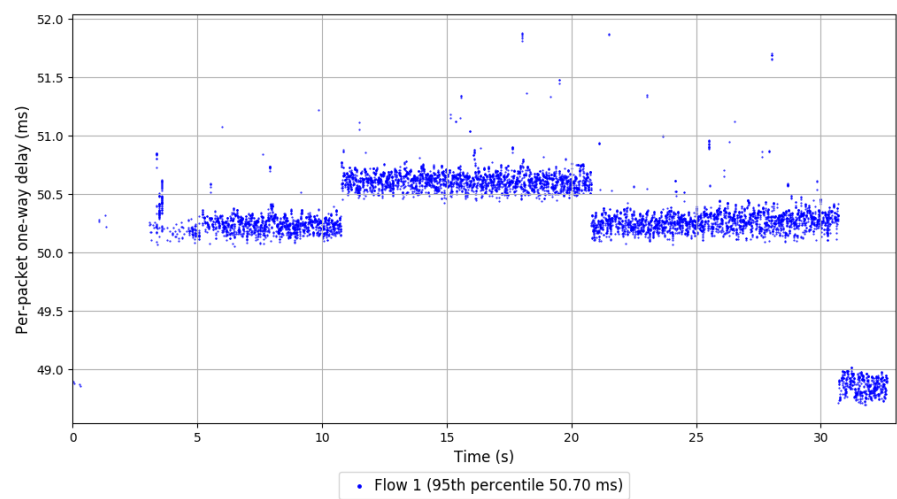
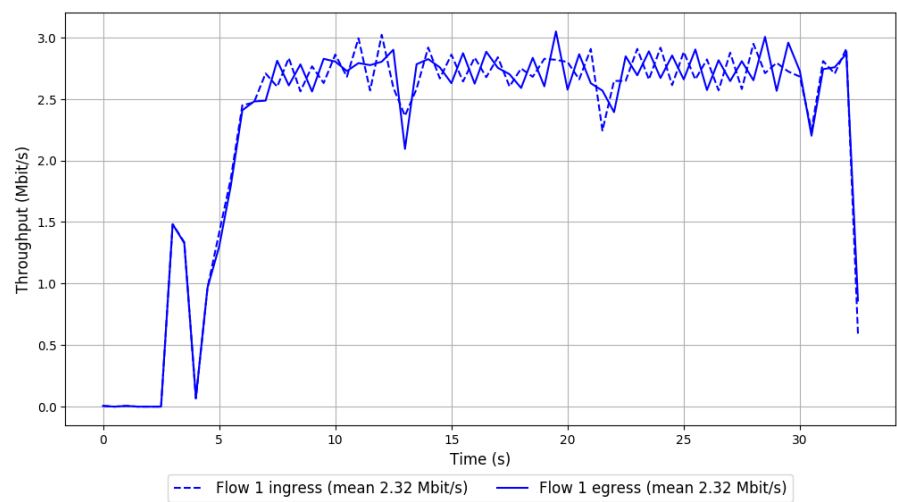
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.696 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

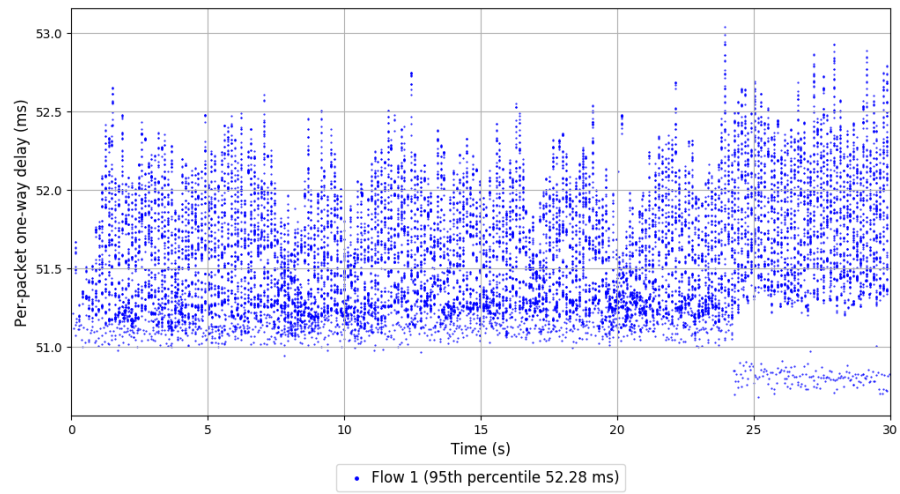
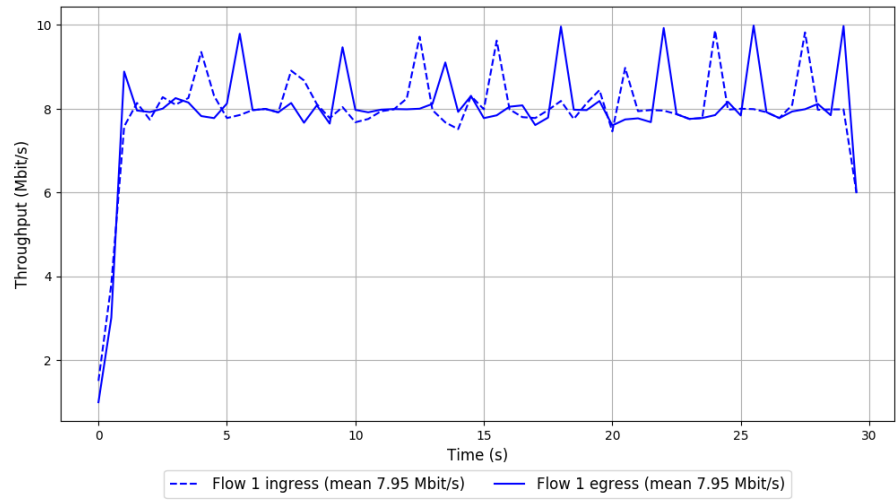


```
Run 1: Statistics of Sprout

Start at: 2018-02-16 08:30:01
End at: 2018-02-16 08:30:31

# Below is generated by plot.py at 2018-02-16 13:19:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 52.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 52.276 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-16 08:44:22

End at: 2018-02-16 08:44:53

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.652 ms

Loss rate: 0.00%

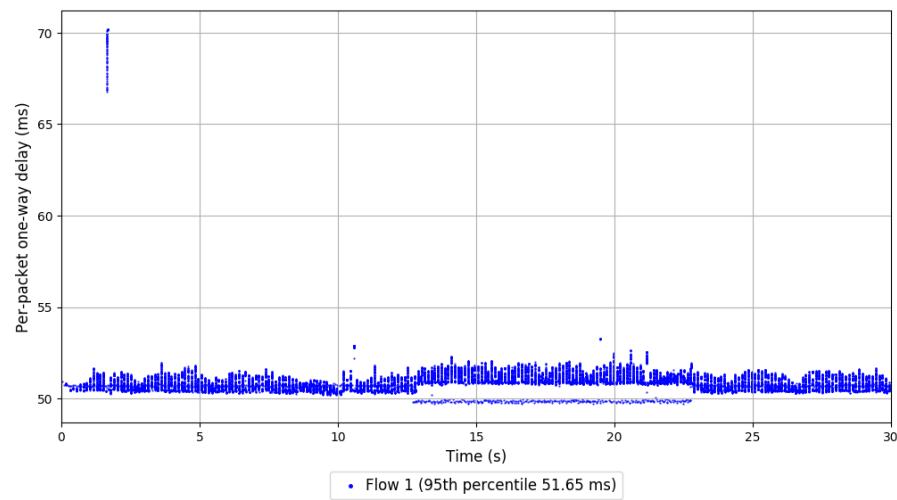
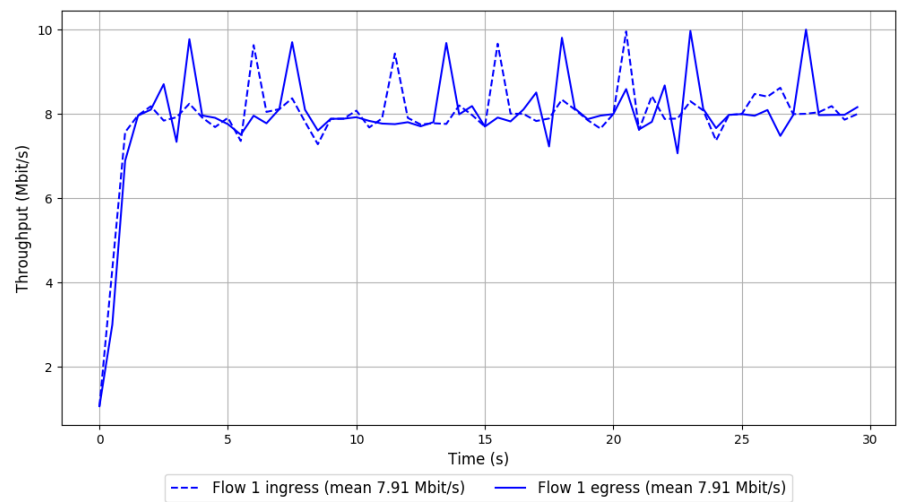
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.652 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-16 08:59:14

End at: 2018-02-16 08:59:44

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.384 ms

Loss rate: 0.00%

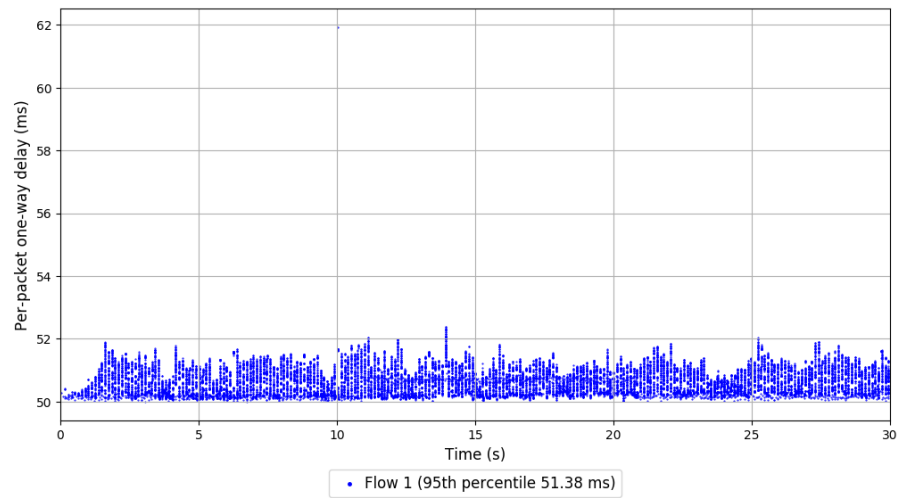
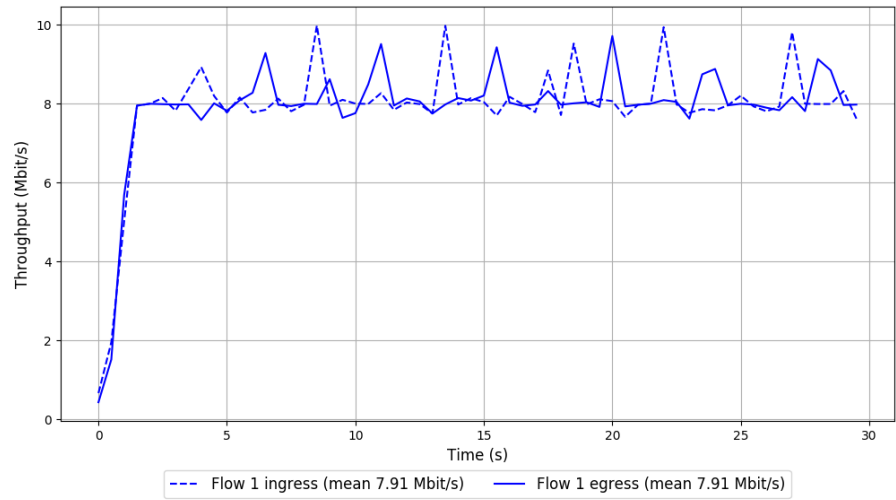
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.384 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-16 09:14:07

End at: 2018-02-16 09:14:37

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 51.331 ms

Loss rate: 0.00%

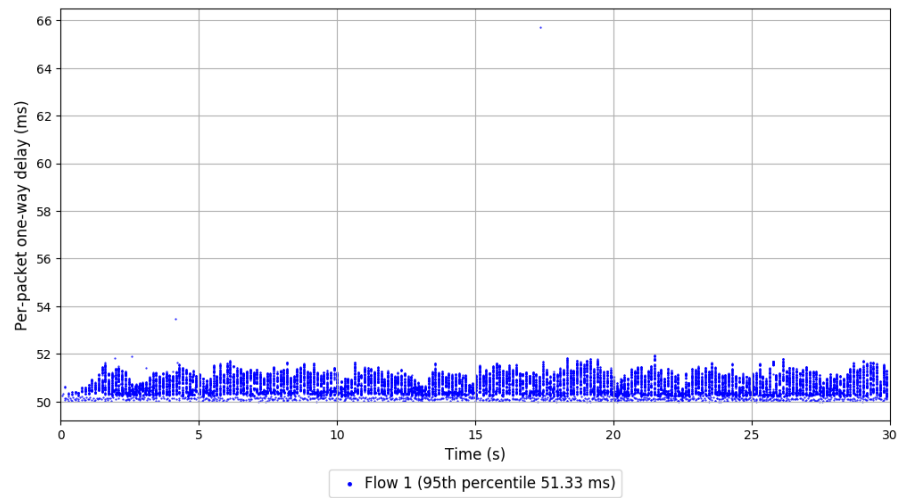
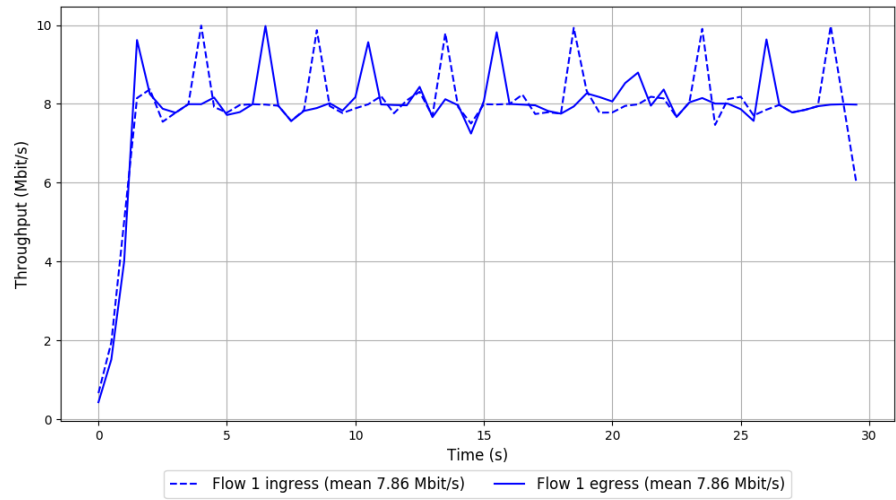
-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 51.331 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-16 09:28:50

End at: 2018-02-16 09:29:20

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 51.111 ms

Loss rate: 0.00%

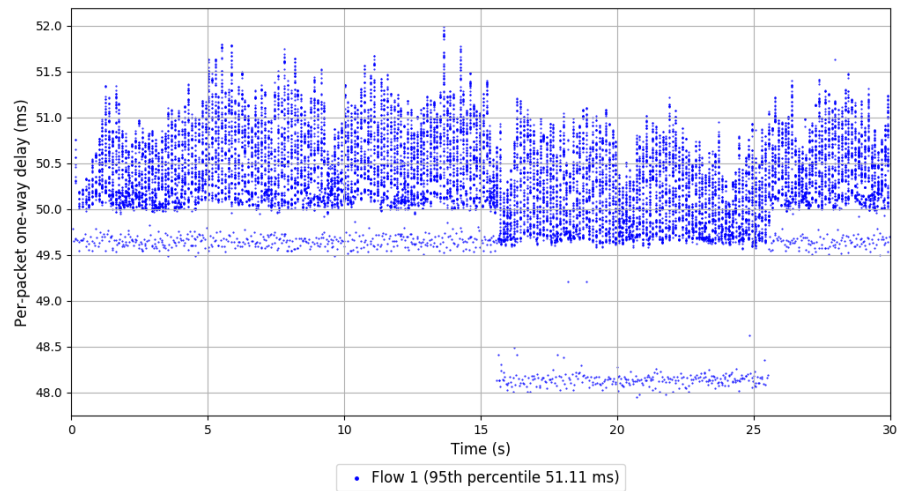
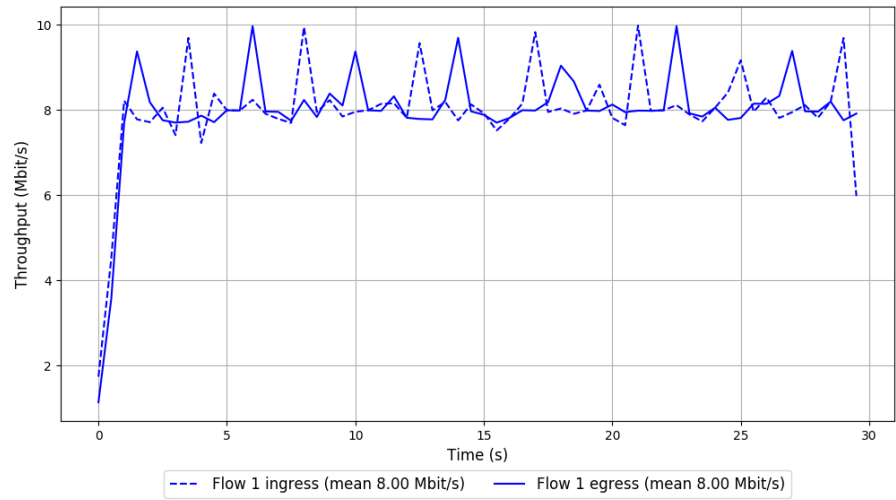
-- Flow 1:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 51.111 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-16 09:43:41

End at: 2018-02-16 09:44:11

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 51.034 ms

Loss rate: 0.00%

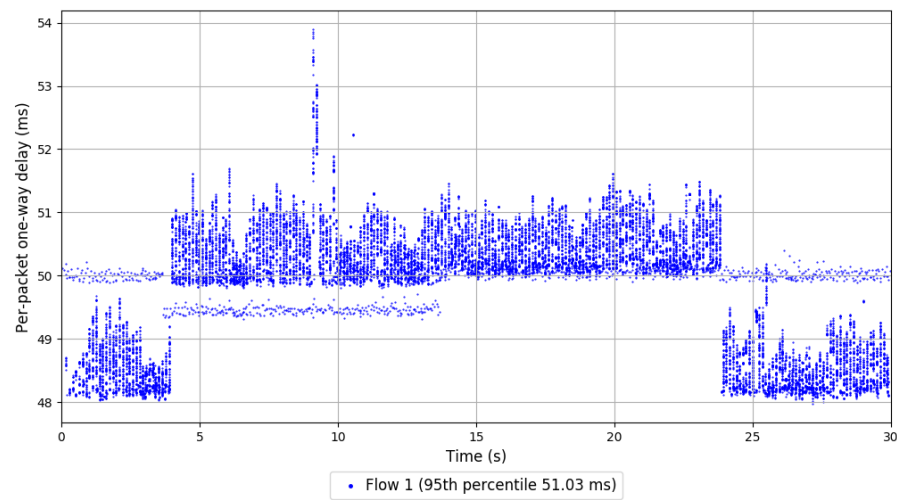
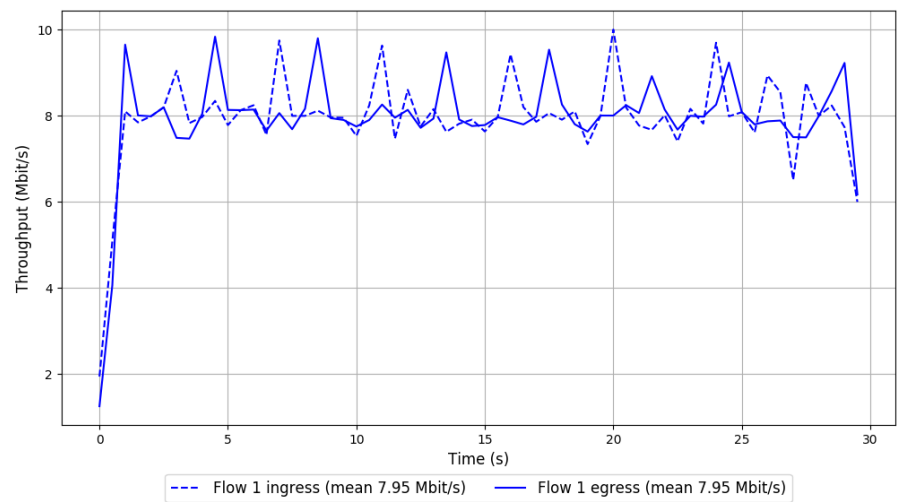
-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 51.034 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-16 09:58:45

End at: 2018-02-16 09:59:15

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 51.249 ms

Loss rate: 0.00%

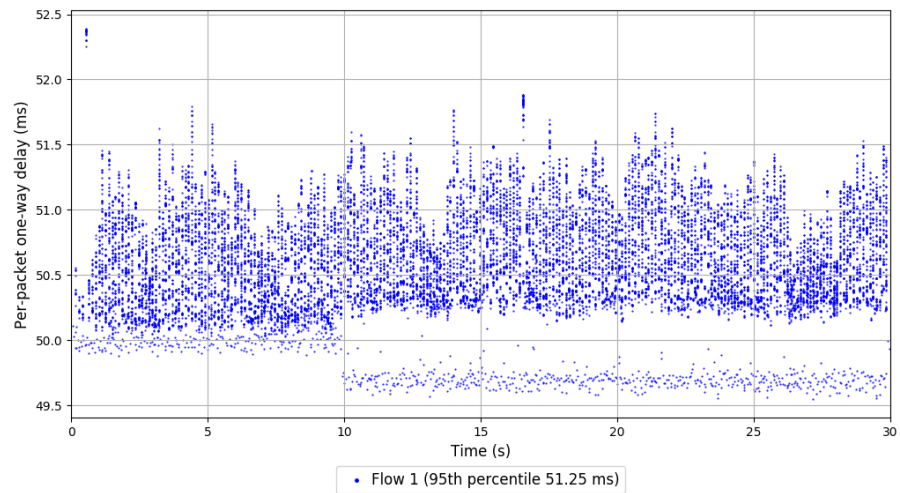
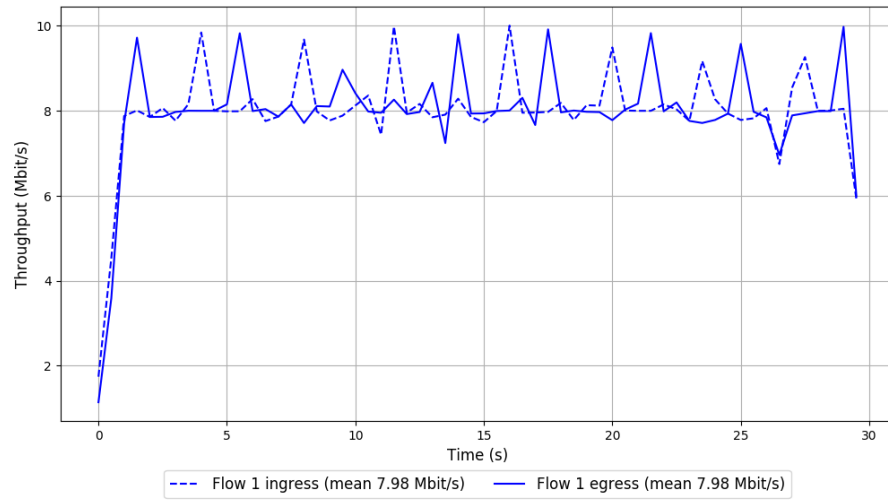
-- Flow 1:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 51.249 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-16 10:13:29

End at: 2018-02-16 10:13:59

Below is generated by plot.py at 2018-02-16 13:19:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 51.153 ms

Loss rate: 0.00%

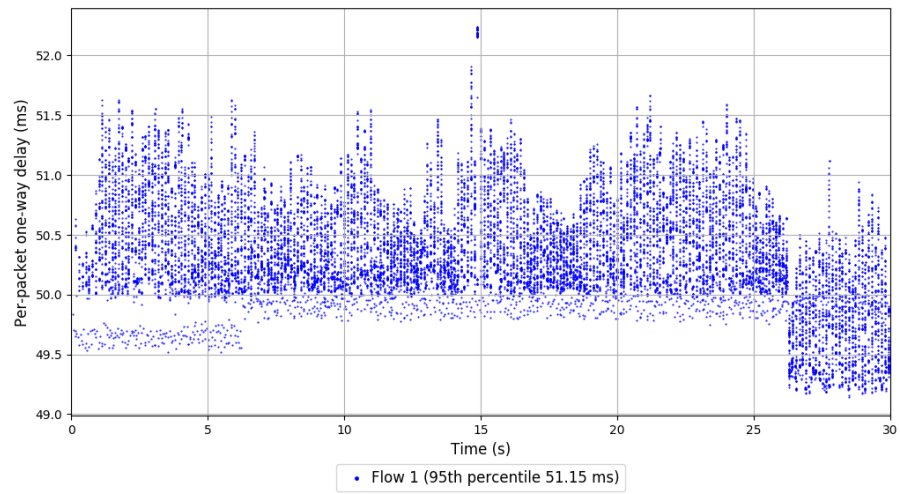
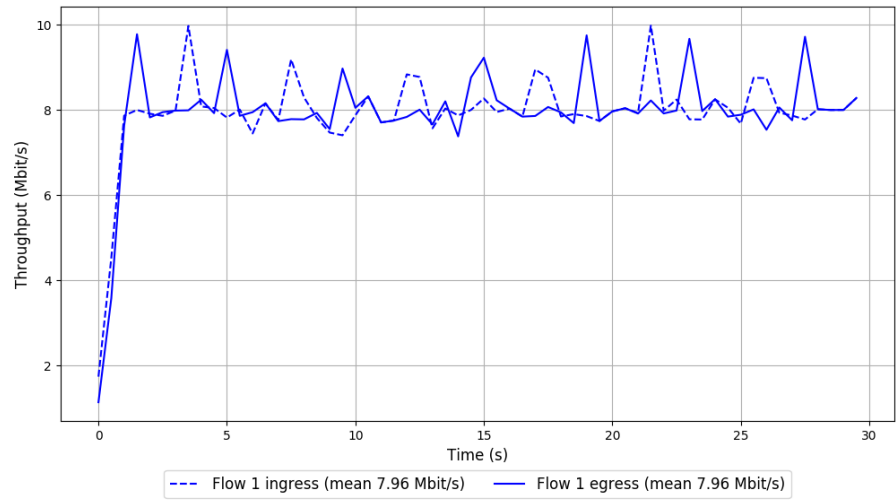
-- Flow 1:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 51.153 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-16 10:28:18

End at: 2018-02-16 10:28:48

Below is generated by plot.py at 2018-02-16 13:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 51.521 ms

Loss rate: 0.00%

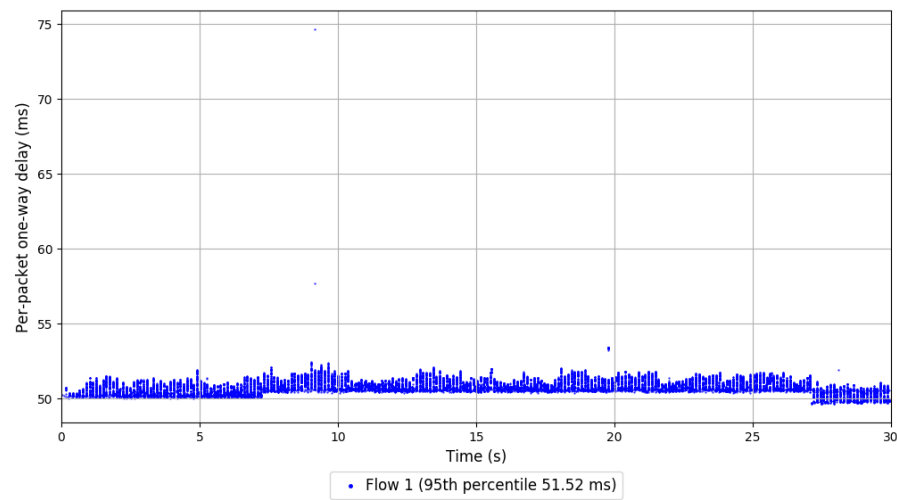
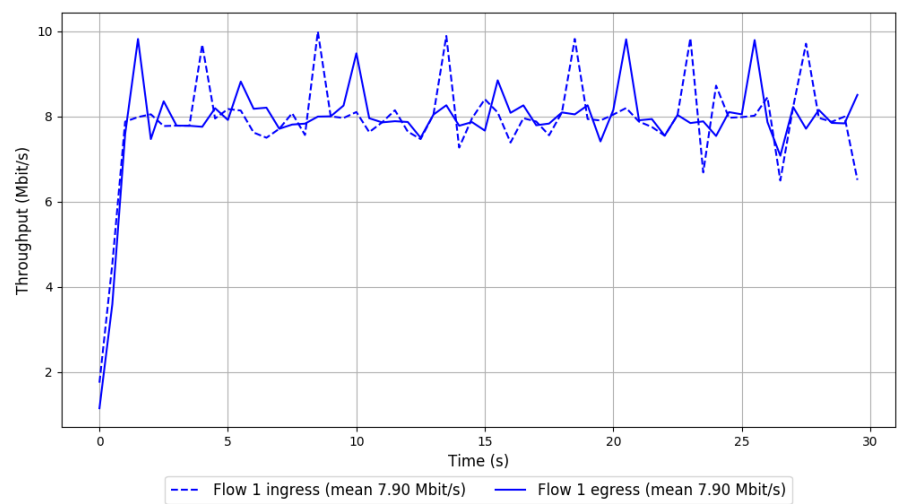
-- Flow 1:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 51.521 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-16 10:43:10

End at: 2018-02-16 10:43:40

Below is generated by plot.py at 2018-02-16 13:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 51.591 ms

Loss rate: 0.00%

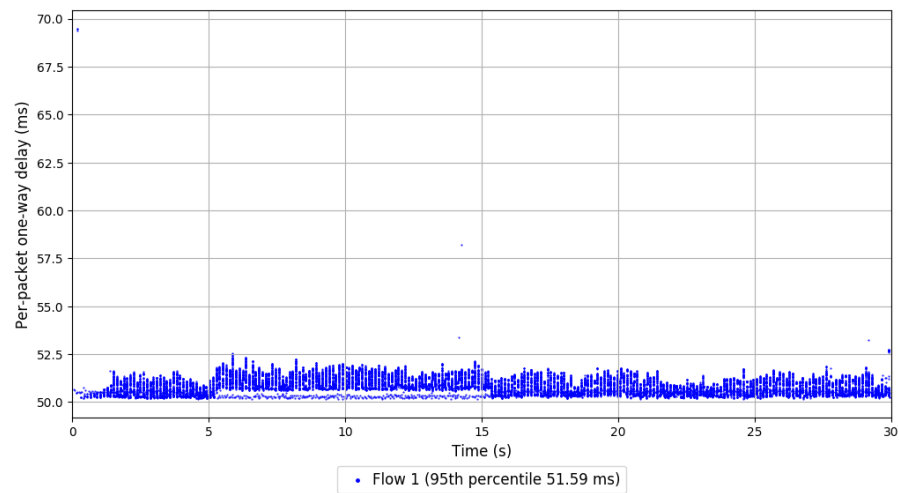
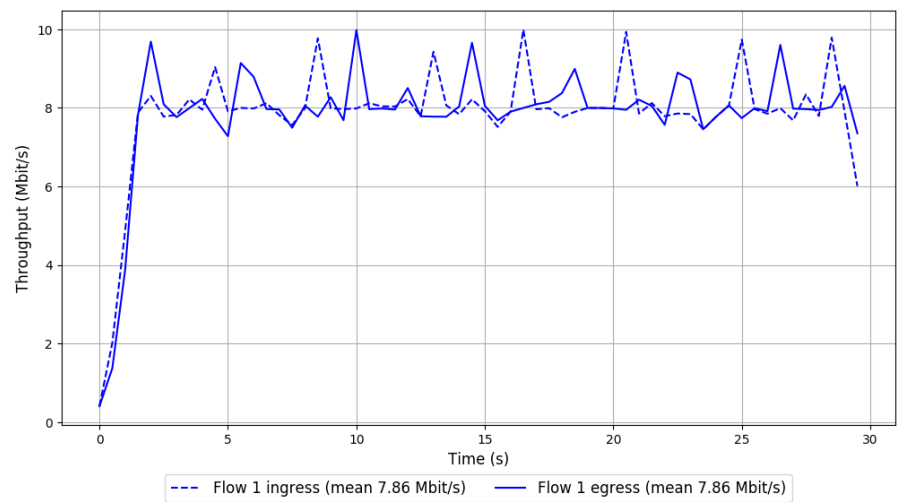
-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 51.591 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

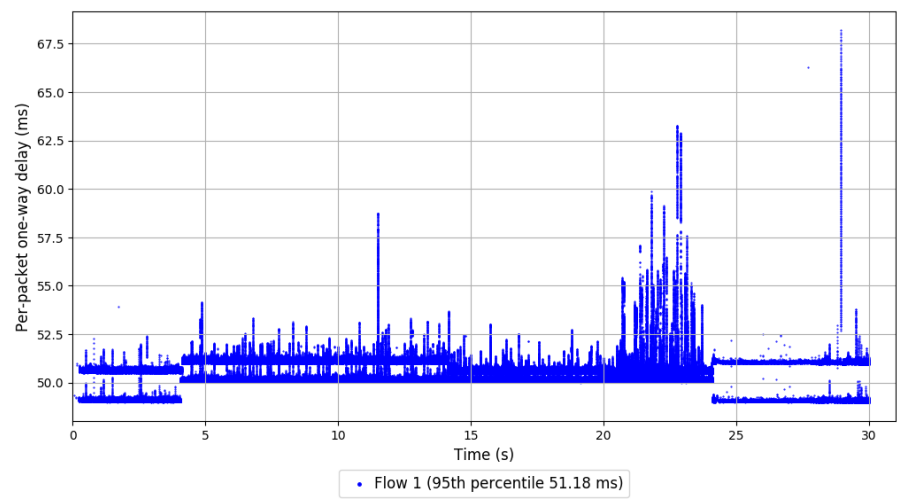
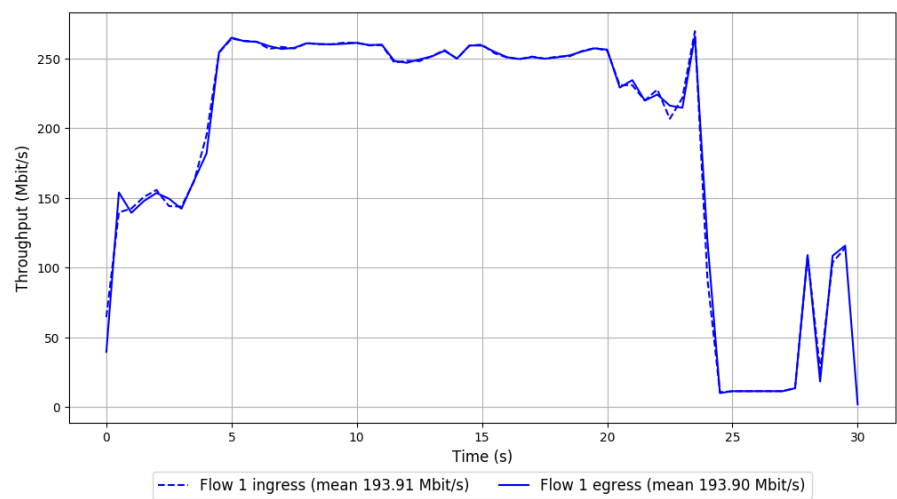


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 08:35:41
End at: 2018-02-16 08:36:11

# Below is generated by plot.py at 2018-02-16 13:23:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.90 Mbit/s
95th percentile per-packet one-way delay: 51.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.90 Mbit/s
95th percentile per-packet one-way delay: 51.176 ms
Loss rate: 0.00%
```

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

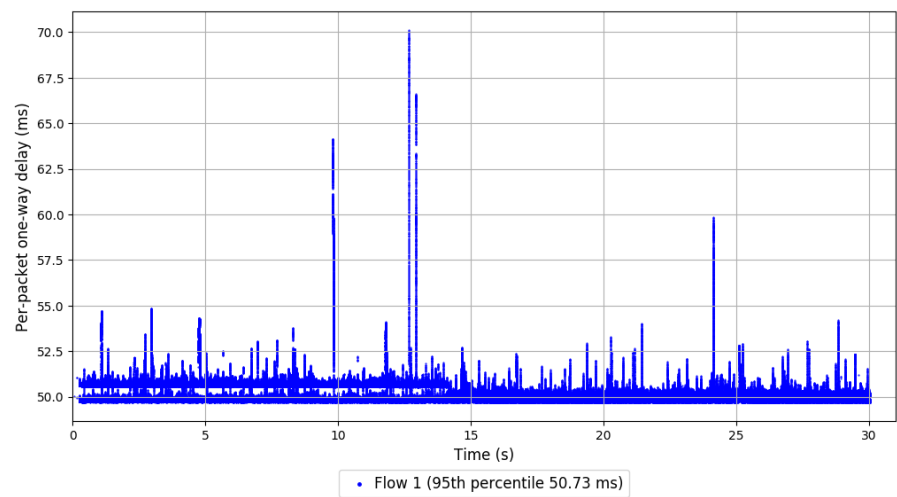
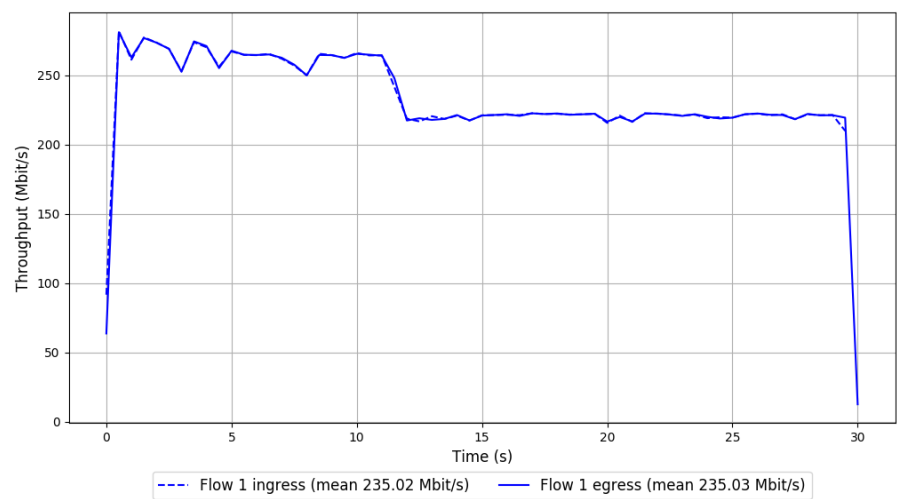


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 08:50:11
End at: 2018-02-16 08:50:41

# Below is generated by plot.py at 2018-02-16 13:24:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.03 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.03 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 09:05:04

End at: 2018-02-16 09:05:34

Below is generated by plot.py at 2018-02-16 13:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.49 Mbit/s

95th percentile per-packet one-way delay: 50.714 ms

Loss rate: 0.00%

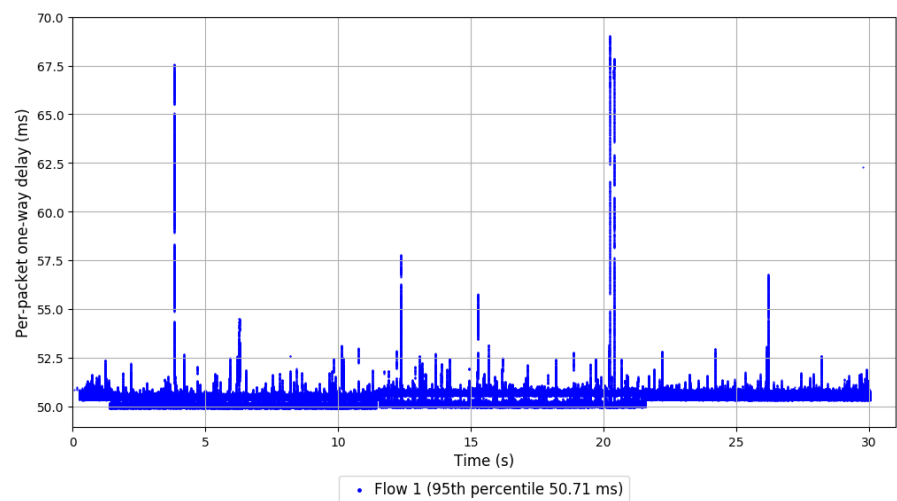
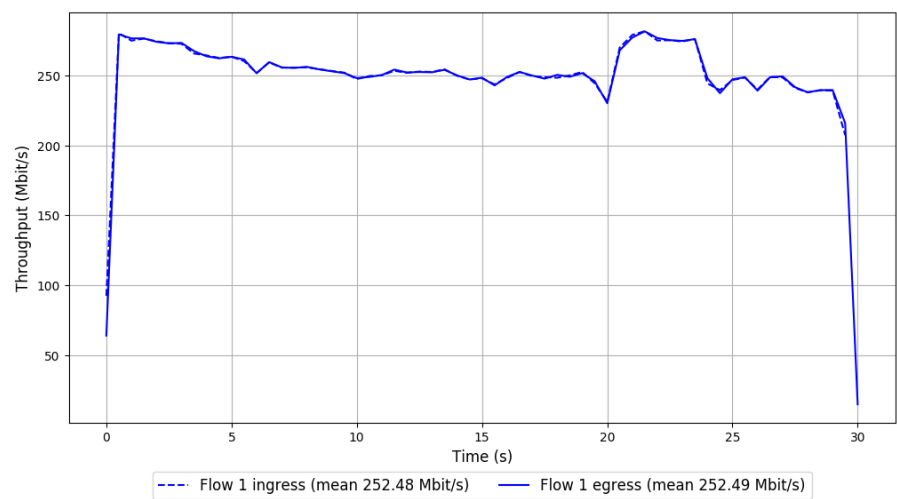
-- Flow 1:

Average throughput: 252.49 Mbit/s

95th percentile per-packet one-way delay: 50.714 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 09:19:48

End at: 2018-02-16 09:20:18

Below is generated by plot.py at 2018-02-16 13:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.85 Mbit/s

95th percentile per-packet one-way delay: 50.380 ms

Loss rate: 0.00%

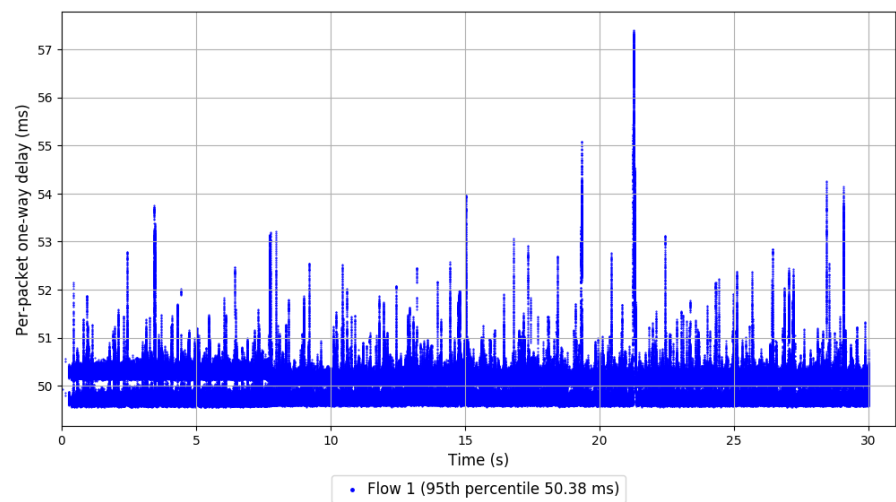
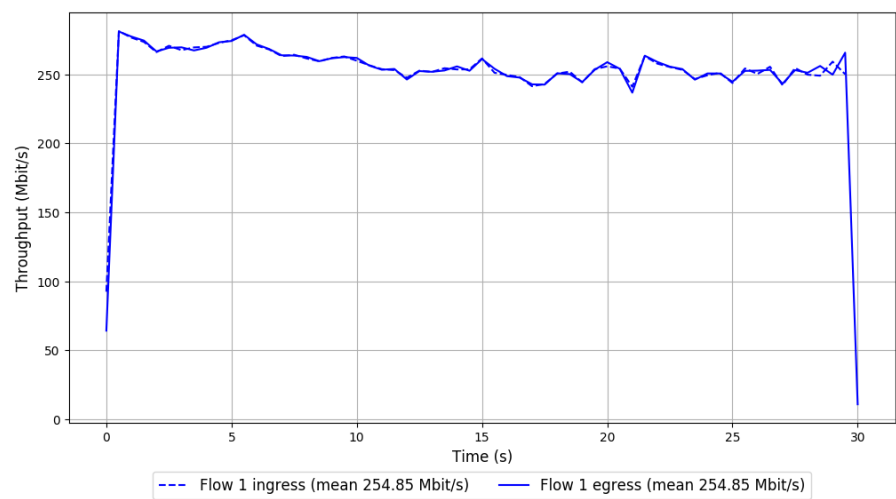
-- Flow 1:

Average throughput: 254.85 Mbit/s

95th percentile per-packet one-way delay: 50.380 ms

Loss rate: 0.00%

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

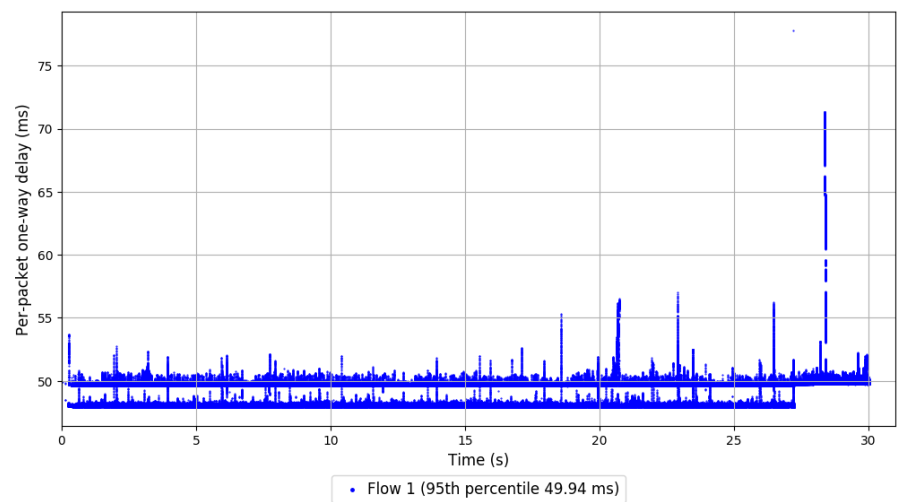
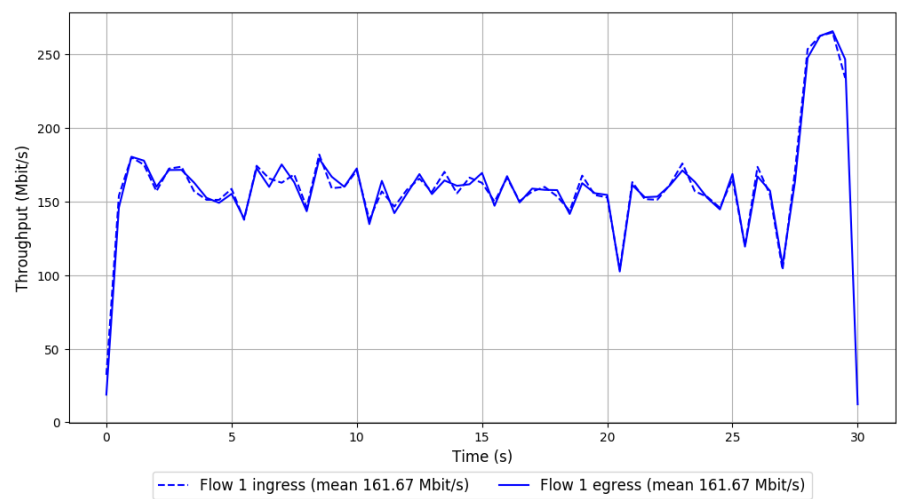


```
Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 09:34:38
End at: 2018-02-16 09:35:08

# Below is generated by plot.py at 2018-02-16 13:24:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.67 Mbit/s
95th percentile per-packet one-way delay: 49.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.67 Mbit/s
95th percentile per-packet one-way delay: 49.937 ms
Loss rate: 0.00%
```

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 09:49:30

End at: 2018-02-16 09:50:00

Below is generated by plot.py at 2018-02-16 13:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.77 Mbit/s

95th percentile per-packet one-way delay: 50.200 ms

Loss rate: 0.01%

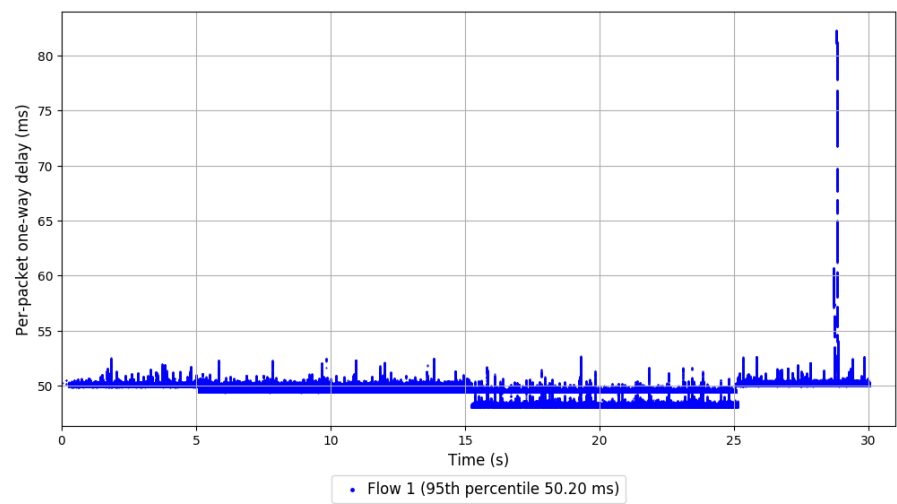
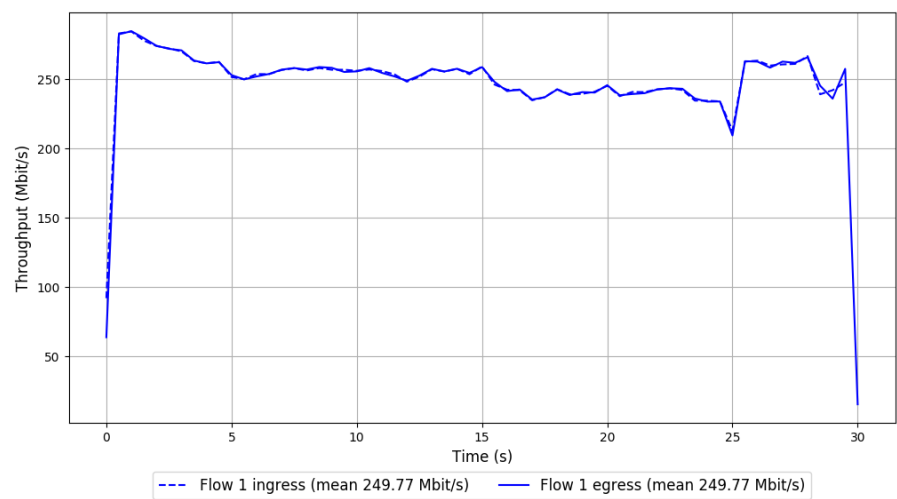
-- Flow 1:

Average throughput: 249.77 Mbit/s

95th percentile per-packet one-way delay: 50.200 ms

Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 10:04:29

End at: 2018-02-16 10:04:59

Below is generated by plot.py at 2018-02-16 13:25:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.98 Mbit/s

95th percentile per-packet one-way delay: 49.649 ms

Loss rate: 0.00%

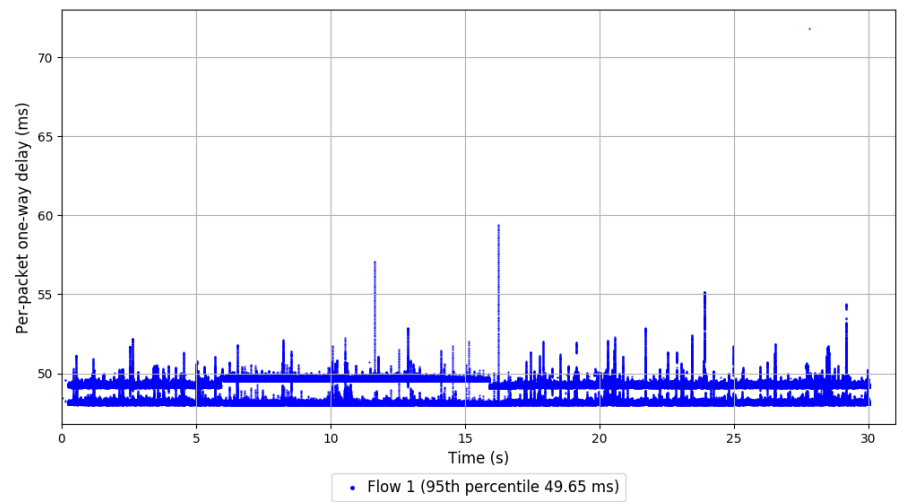
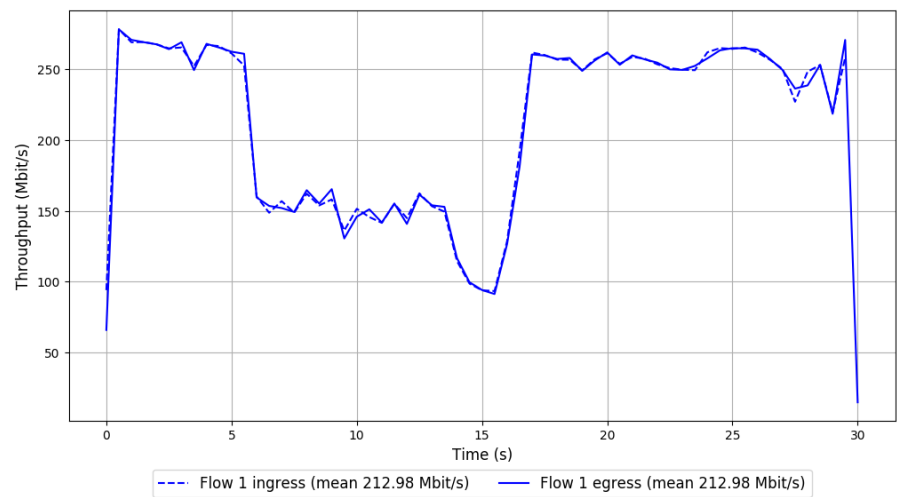
-- Flow 1:

Average throughput: 212.98 Mbit/s

95th percentile per-packet one-way delay: 49.649 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 10:19:15

End at: 2018-02-16 10:19:45

Below is generated by plot.py at 2018-02-16 13:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.30 Mbit/s

95th percentile per-packet one-way delay: 50.357 ms

Loss rate: 0.00%

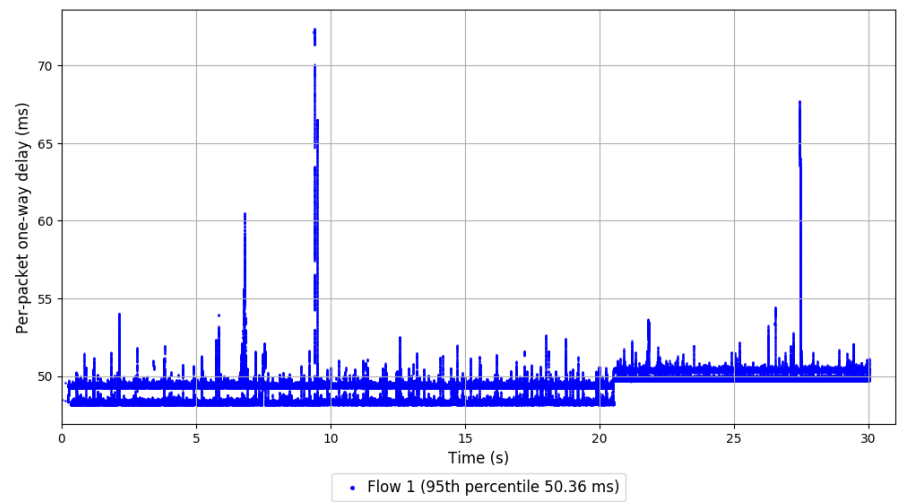
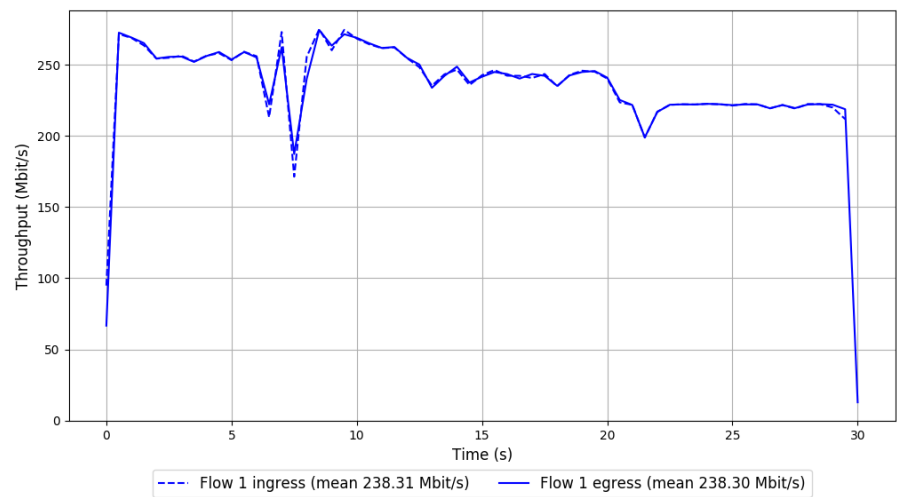
-- Flow 1:

Average throughput: 238.30 Mbit/s

95th percentile per-packet one-way delay: 50.357 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 10:34:03

End at: 2018-02-16 10:34:33

Below is generated by plot.py at 2018-02-16 13:30:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.03 Mbit/s

95th percentile per-packet one-way delay: 50.293 ms

Loss rate: 0.00%

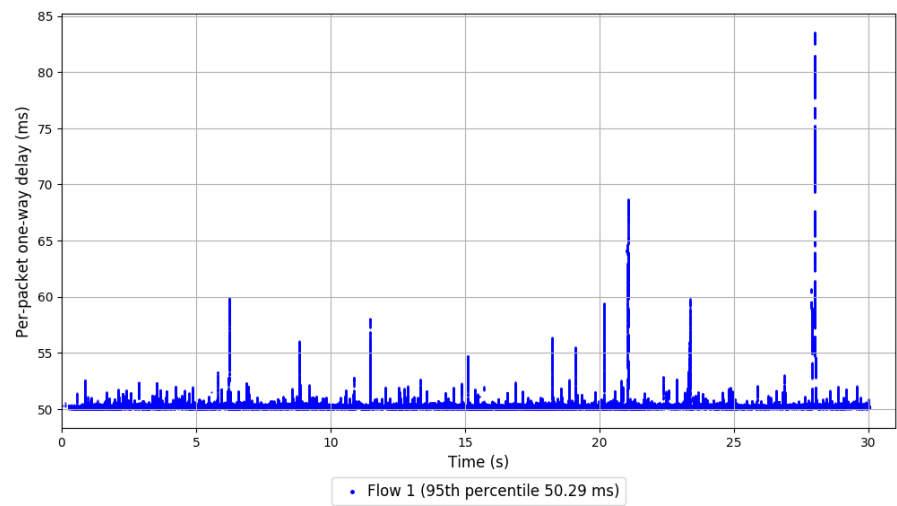
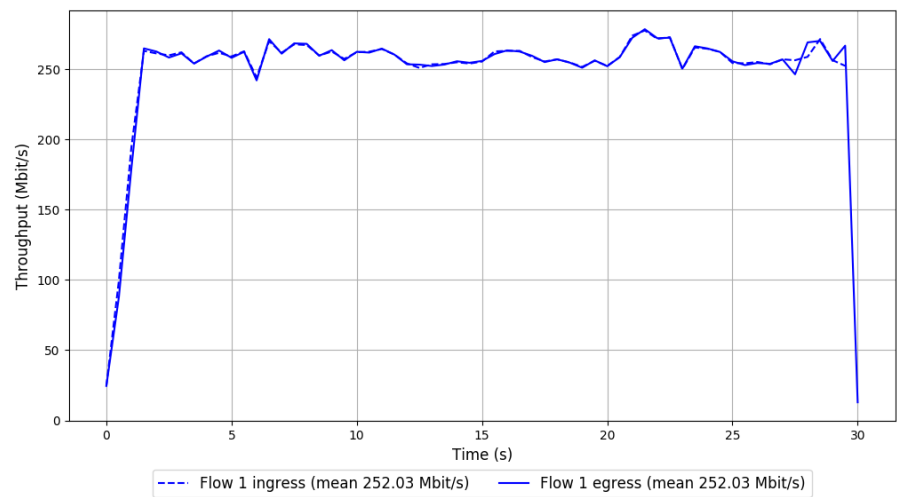
-- Flow 1:

Average throughput: 252.03 Mbit/s

95th percentile per-packet one-way delay: 50.293 ms

Loss rate: 0.00%

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

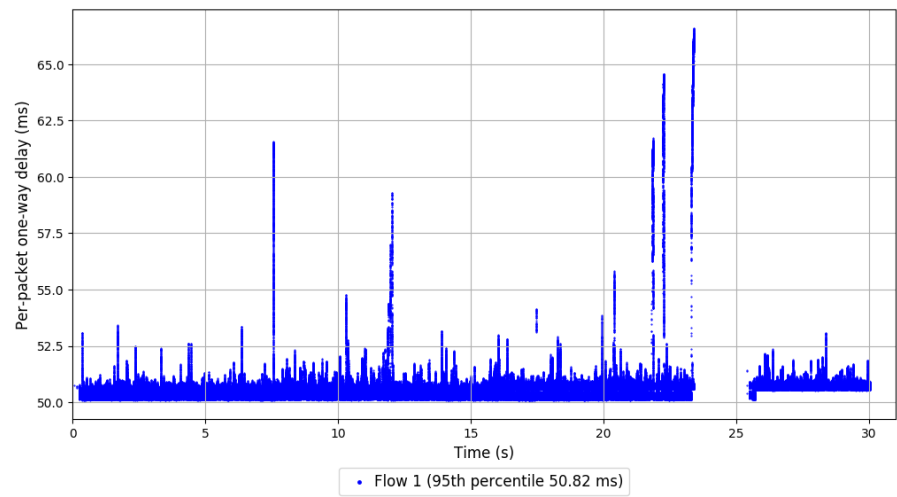
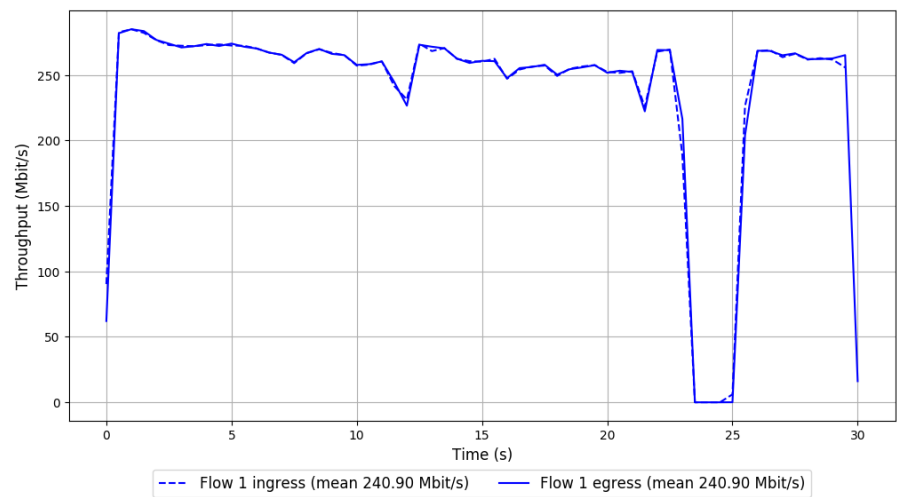


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 10:48:50
End at: 2018-02-16 10:49:20

# Below is generated by plot.py at 2018-02-16 13:31:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.90 Mbit/s
95th percentile per-packet one-way delay: 50.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 240.90 Mbit/s
95th percentile per-packet one-way delay: 50.816 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 08:38:49

End at: 2018-02-16 08:39:19

Below is generated by plot.py at 2018-02-16 13:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.76 Mbit/s

95th percentile per-packet one-way delay: 60.035 ms

Loss rate: 0.06%

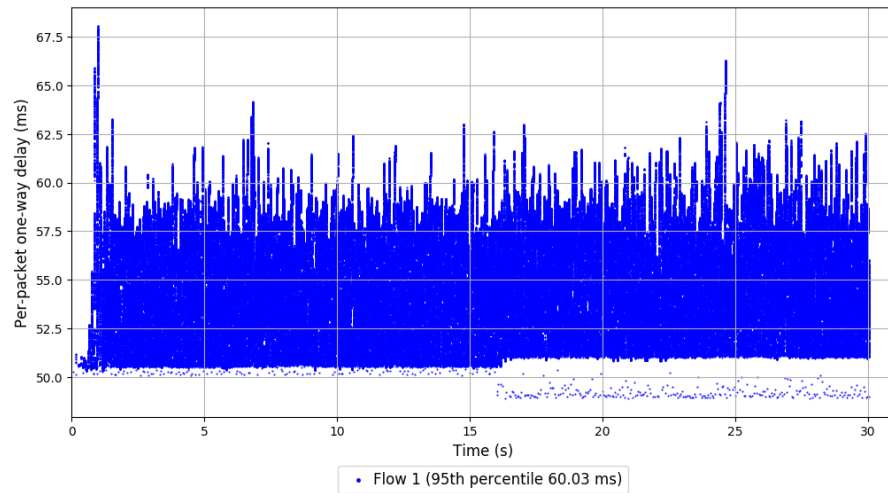
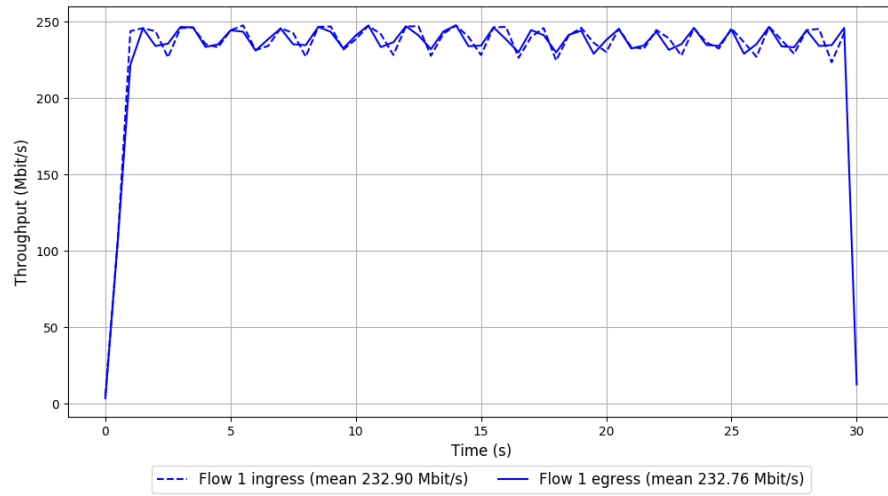
-- Flow 1:

Average throughput: 232.76 Mbit/s

95th percentile per-packet one-way delay: 60.035 ms

Loss rate: 0.06%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 08:53:44

End at: 2018-02-16 08:54:14

Below is generated by plot.py at 2018-02-16 13:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.71 Mbit/s

95th percentile per-packet one-way delay: 51.902 ms

Loss rate: 0.00%

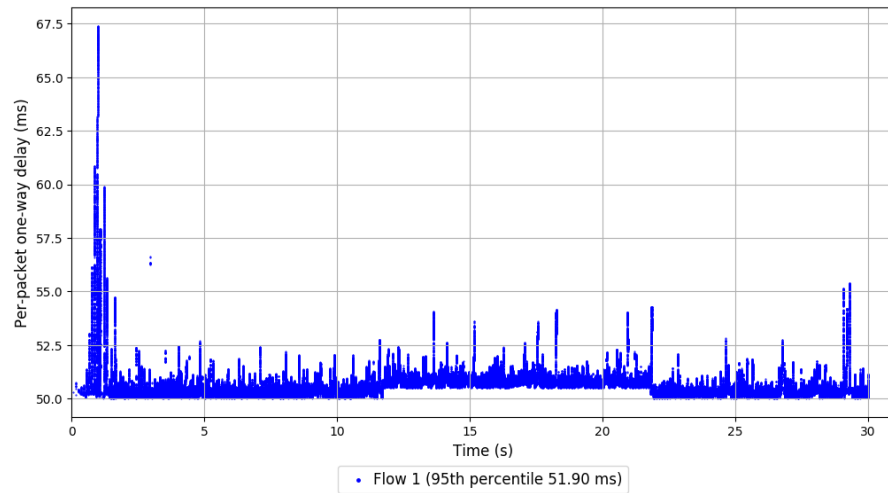
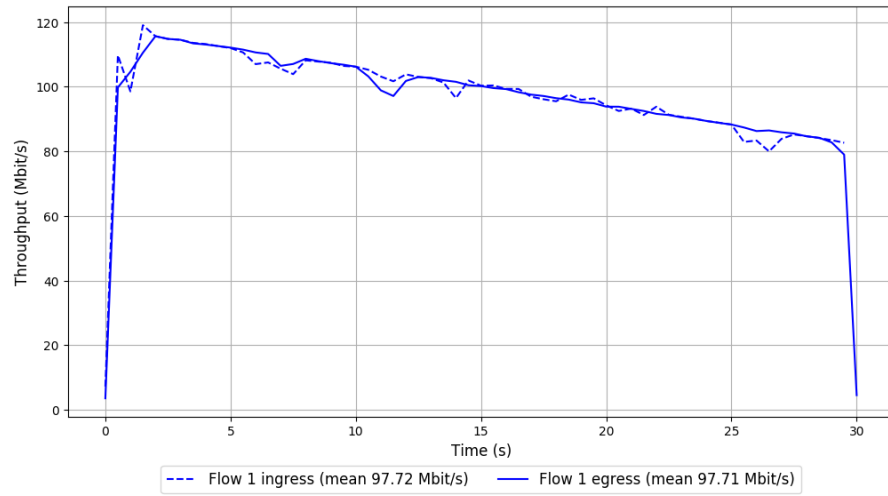
-- Flow 1:

Average throughput: 97.71 Mbit/s

95th percentile per-packet one-way delay: 51.902 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 09:08:34

End at: 2018-02-16 09:09:04

Below is generated by plot.py at 2018-02-16 13:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.62 Mbit/s

95th percentile per-packet one-way delay: 51.330 ms

Loss rate: 0.00%

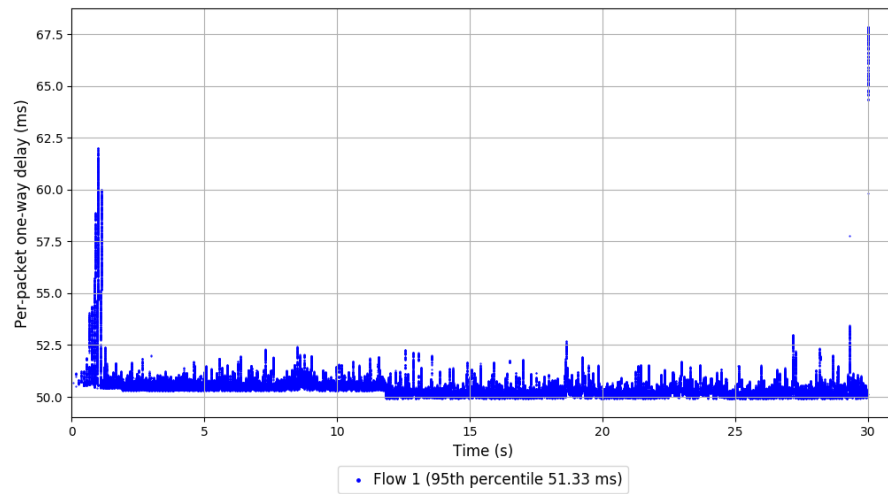
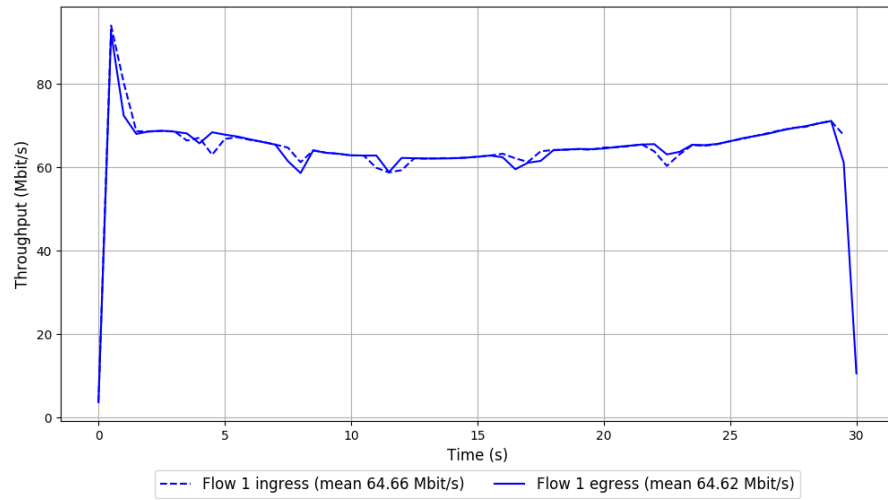
-- Flow 1:

Average throughput: 64.62 Mbit/s

95th percentile per-packet one-way delay: 51.330 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 09:23:19

End at: 2018-02-16 09:23:49

Below is generated by plot.py at 2018-02-16 13:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.73 Mbit/s

95th percentile per-packet one-way delay: 50.708 ms

Loss rate: 0.00%

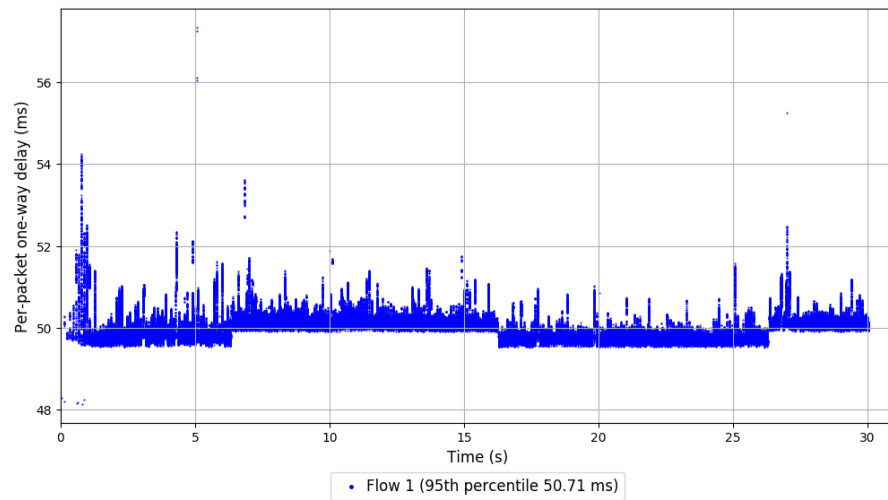
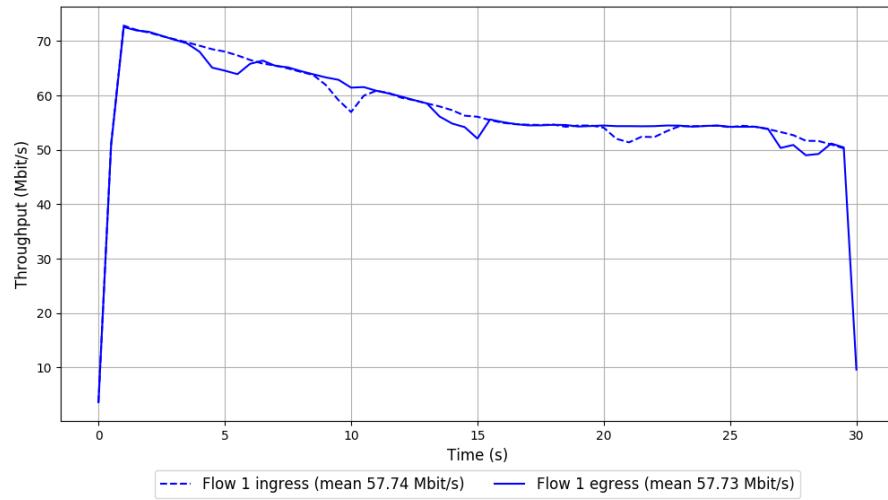
-- Flow 1:

Average throughput: 57.73 Mbit/s

95th percentile per-packet one-way delay: 50.708 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 09:38:04

End at: 2018-02-16 09:38:34

Below is generated by plot.py at 2018-02-16 13:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.57 Mbit/s

95th percentile per-packet one-way delay: 50.663 ms

Loss rate: 0.01%

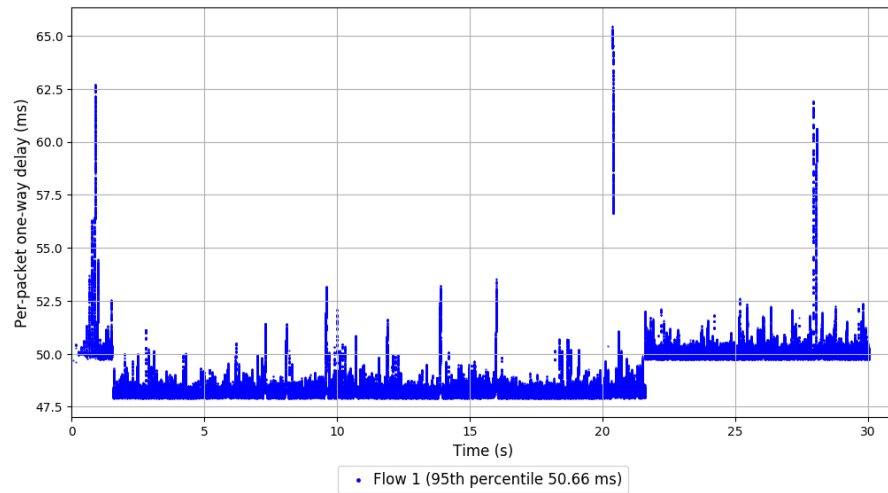
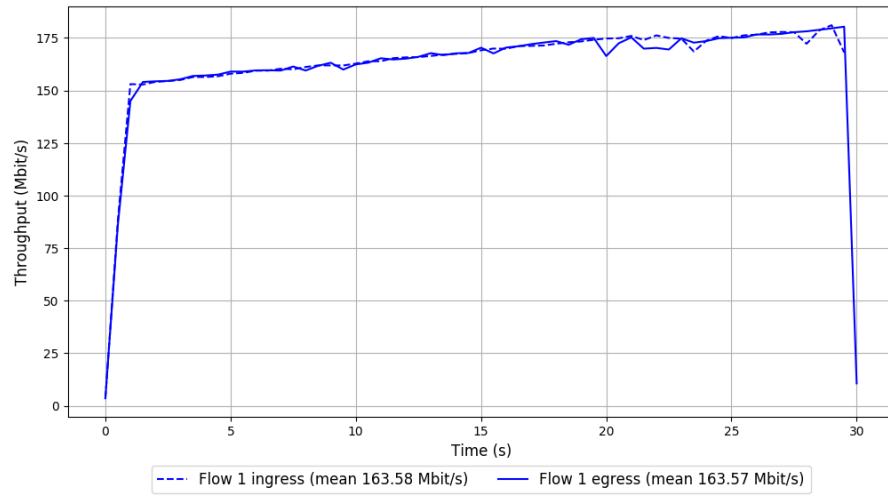
-- Flow 1:

Average throughput: 163.57 Mbit/s

95th percentile per-packet one-way delay: 50.663 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 09:53:05

End at: 2018-02-16 09:53:35

Below is generated by plot.py at 2018-02-16 13:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.89 Mbit/s

95th percentile per-packet one-way delay: 58.630 ms

Loss rate: 0.00%

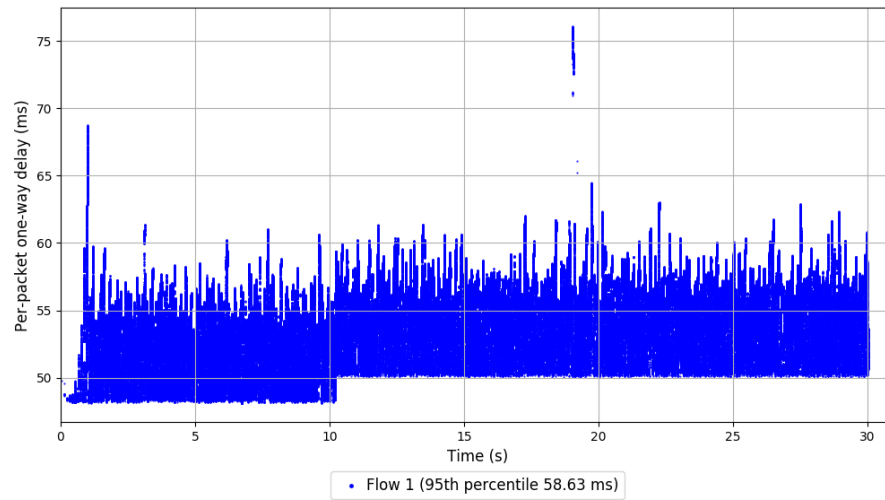
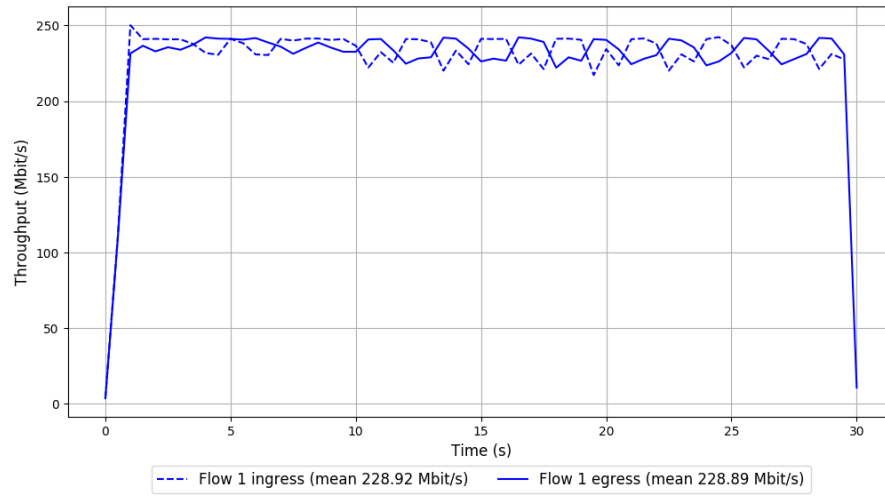
-- Flow 1:

Average throughput: 228.89 Mbit/s

95th percentile per-packet one-way delay: 58.630 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 10:08:01

End at: 2018-02-16 10:08:31

Below is generated by plot.py at 2018-02-16 13:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.72 Mbit/s

95th percentile per-packet one-way delay: 50.913 ms

Loss rate: 0.00%

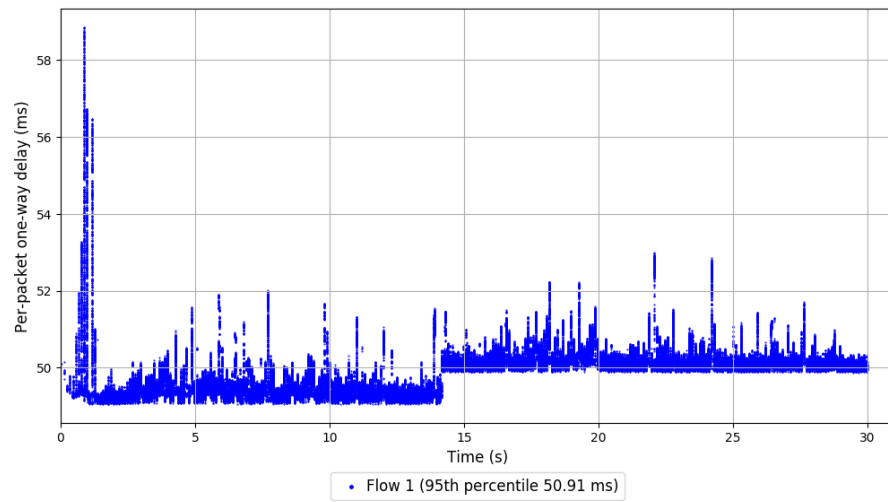
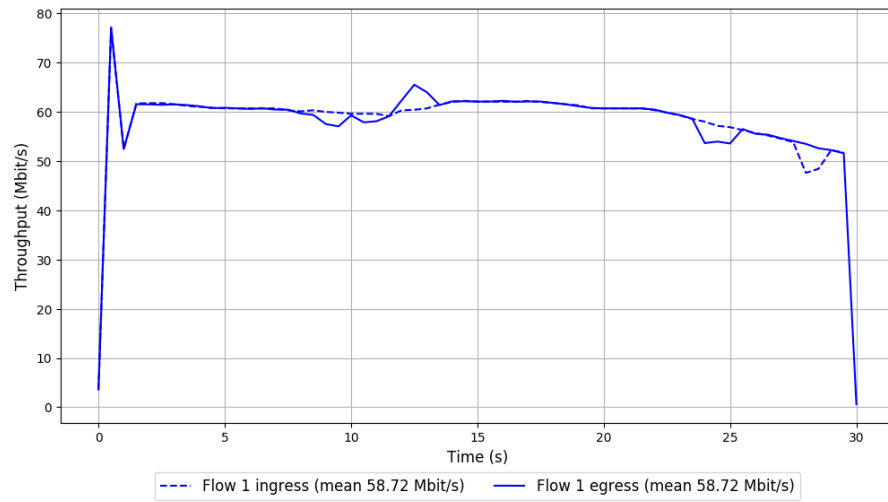
-- Flow 1:

Average throughput: 58.72 Mbit/s

95th percentile per-packet one-way delay: 50.913 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 10:22:45

End at: 2018-02-16 10:23:15

Below is generated by plot.py at 2018-02-16 13:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.91 Mbit/s

95th percentile per-packet one-way delay: 58.849 ms

Loss rate: 0.02%

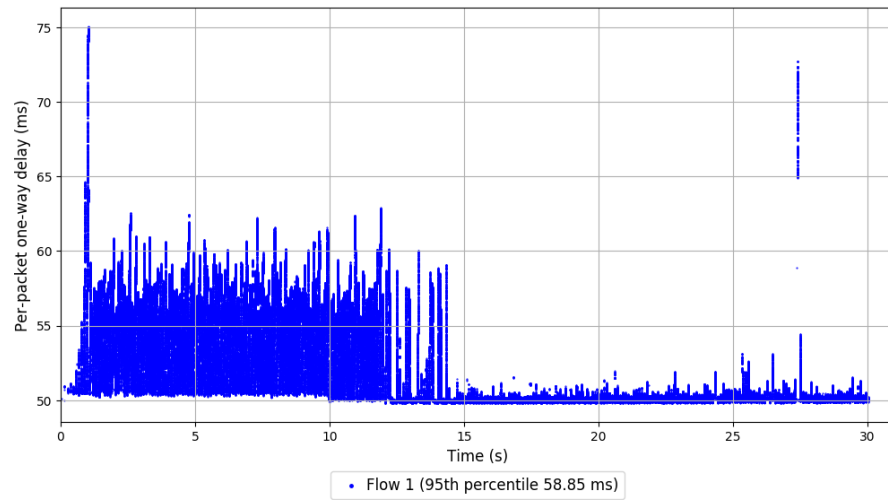
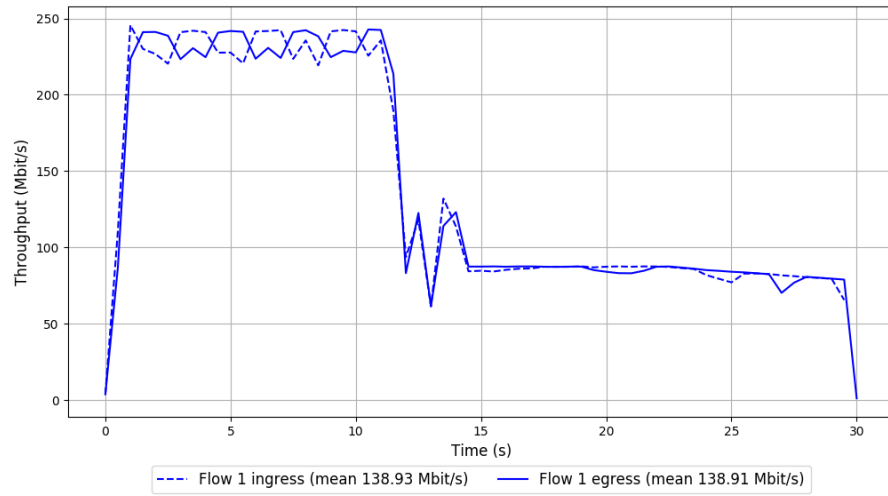
-- Flow 1:

Average throughput: 138.91 Mbit/s

95th percentile per-packet one-way delay: 58.849 ms

Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 10:37:35

End at: 2018-02-16 10:38:05

Below is generated by plot.py at 2018-02-16 13:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.87 Mbit/s

95th percentile per-packet one-way delay: 51.610 ms

Loss rate: 0.01%

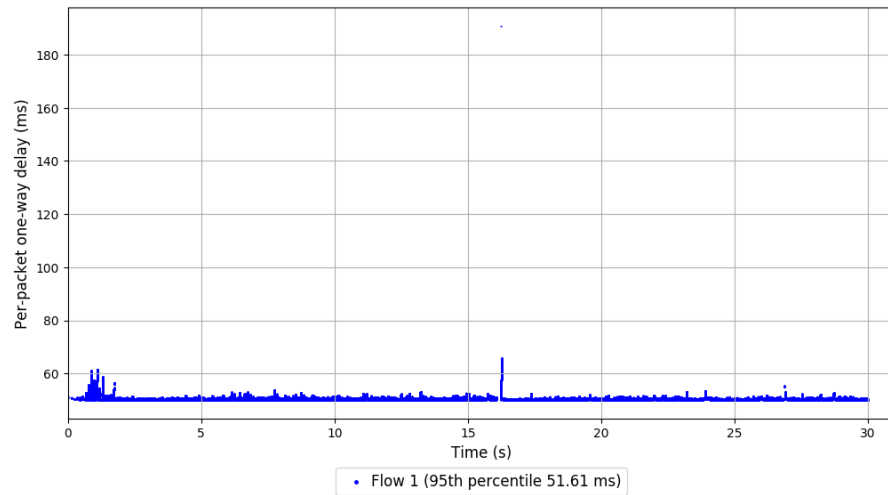
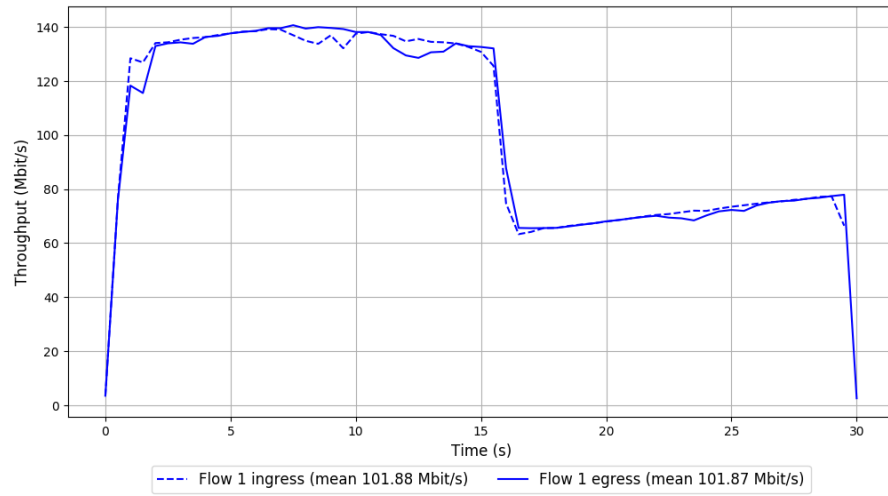
-- Flow 1:

Average throughput: 101.87 Mbit/s

95th percentile per-packet one-way delay: 51.610 ms

Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 10:52:24

End at: 2018-02-16 10:52:54

Below is generated by plot.py at 2018-02-16 13:32:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.74 Mbit/s

95th percentile per-packet one-way delay: 59.771 ms

Loss rate: 0.00%

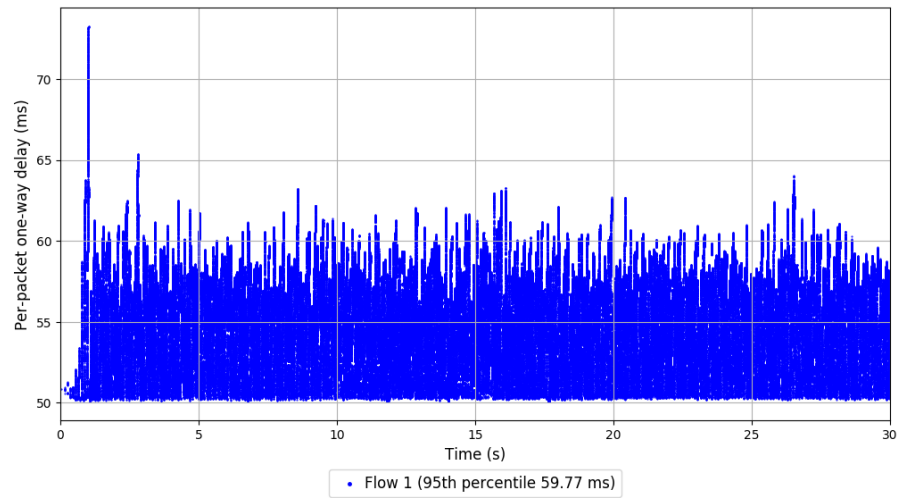
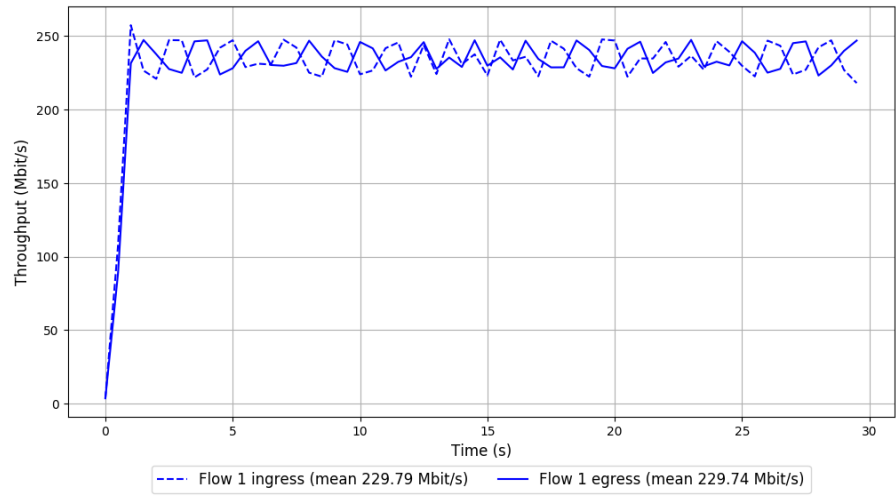
-- Flow 1:

Average throughput: 229.74 Mbit/s

95th percentile per-packet one-way delay: 59.771 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-16 08:39:37

End at: 2018-02-16 08:40:07

Below is generated by plot.py at 2018-02-16 13:33:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.61 Mbit/s

95th percentile per-packet one-way delay: 79.010 ms

Loss rate: 0.05%

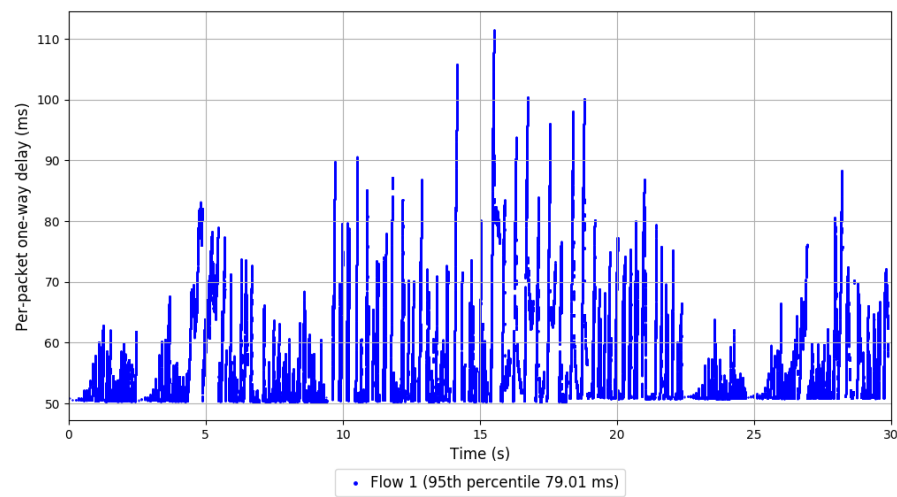
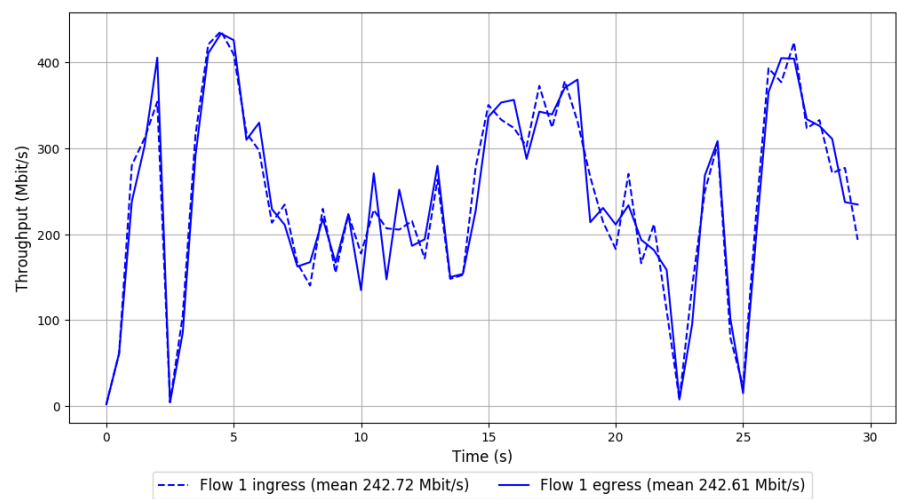
-- Flow 1:

Average throughput: 242.61 Mbit/s

95th percentile per-packet one-way delay: 79.010 ms

Loss rate: 0.05%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-16 08:54:25

End at: 2018-02-16 08:54:55

Below is generated by plot.py at 2018-02-16 13:33:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.55 Mbit/s

95th percentile per-packet one-way delay: 79.717 ms

Loss rate: 0.12%

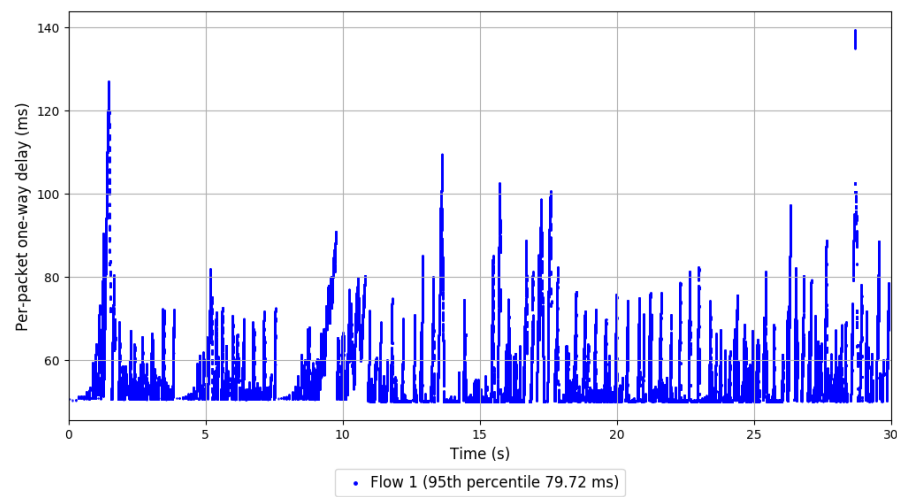
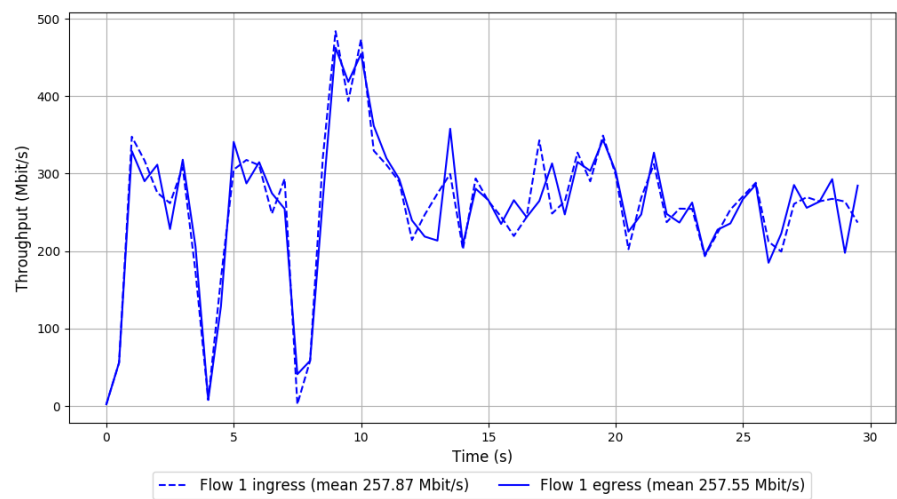
-- Flow 1:

Average throughput: 257.55 Mbit/s

95th percentile per-packet one-way delay: 79.717 ms

Loss rate: 0.12%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-16 09:09:13

End at: 2018-02-16 09:09:43

Below is generated by plot.py at 2018-02-16 13:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.44 Mbit/s

95th percentile per-packet one-way delay: 106.588 ms

Loss rate: 0.28%

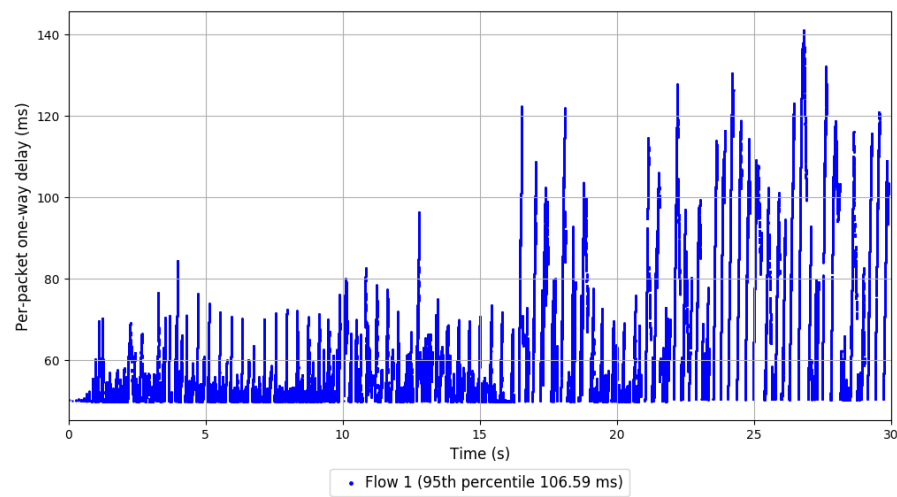
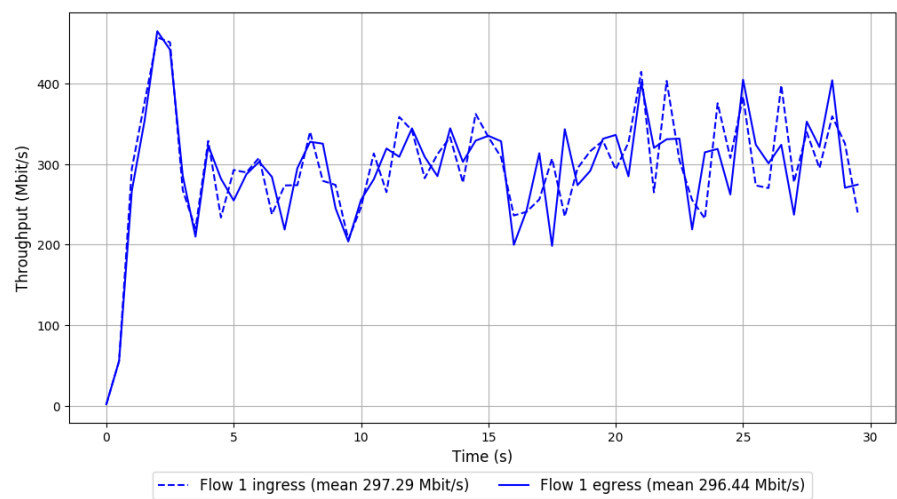
-- Flow 1:

Average throughput: 296.44 Mbit/s

95th percentile per-packet one-way delay: 106.588 ms

Loss rate: 0.28%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-16 09:23:59

End at: 2018-02-16 09:24:29

Below is generated by plot.py at 2018-02-16 13:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.50 Mbit/s

95th percentile per-packet one-way delay: 92.769 ms

Loss rate: 0.20%

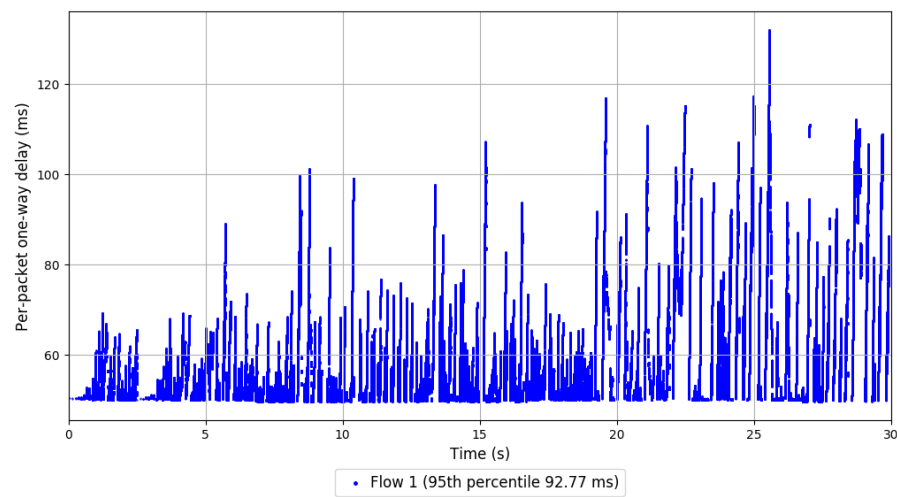
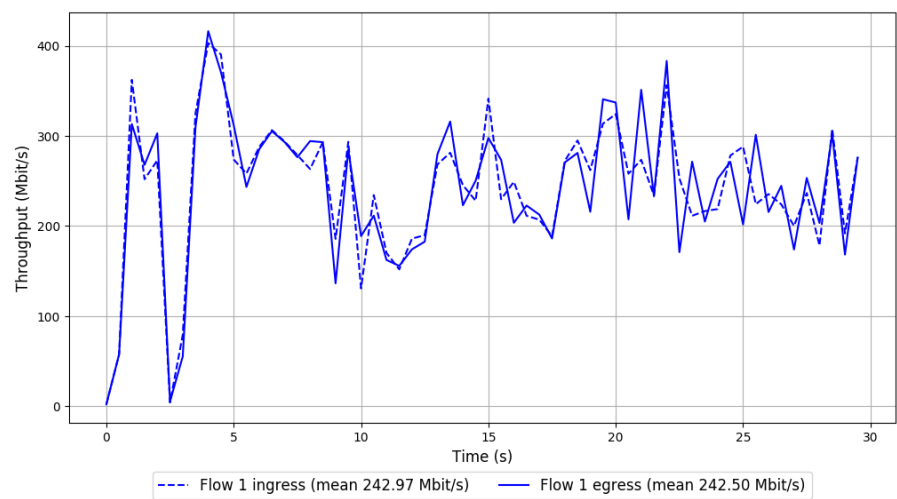
-- Flow 1:

Average throughput: 242.50 Mbit/s

95th percentile per-packet one-way delay: 92.769 ms

Loss rate: 0.20%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-16 09:38:48

End at: 2018-02-16 09:39:18

Below is generated by plot.py at 2018-02-16 13:35:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 288.63 Mbit/s

95th percentile per-packet one-way delay: 142.678 ms

Loss rate: 1.13%

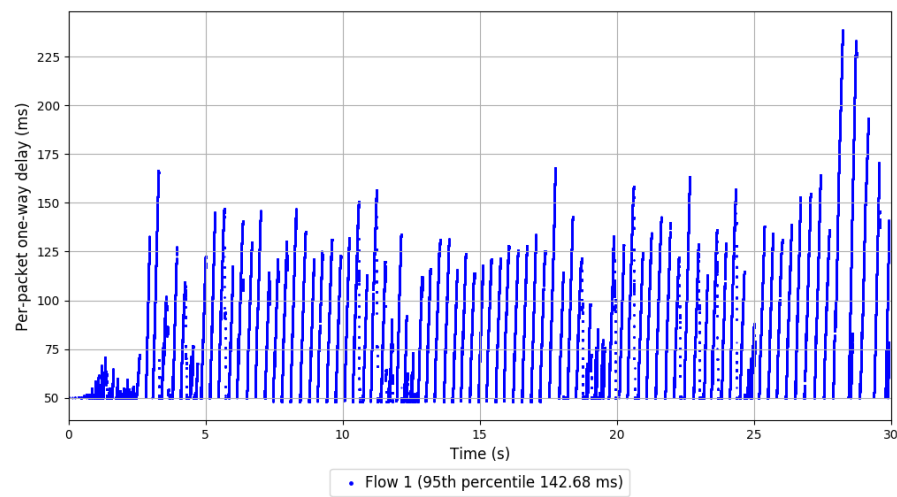
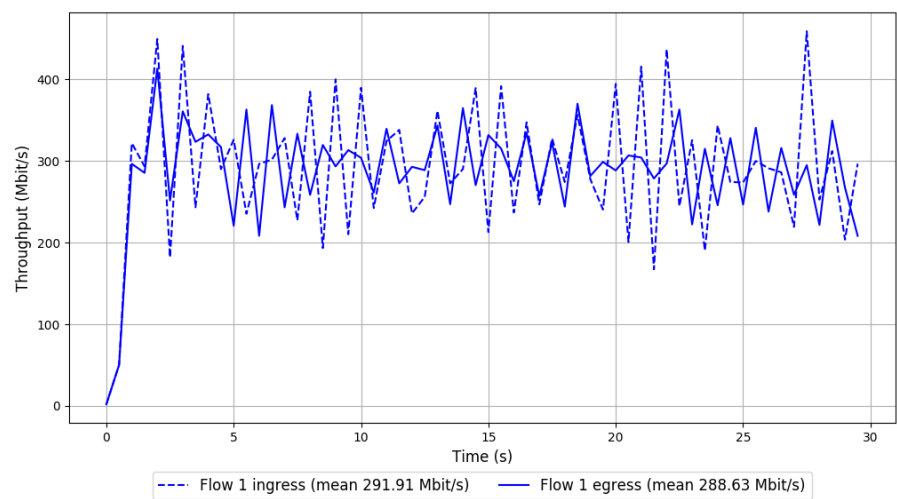
-- Flow 1:

Average throughput: 288.63 Mbit/s

95th percentile per-packet one-way delay: 142.678 ms

Loss rate: 1.13%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-16 09:53:53

End at: 2018-02-16 09:54:23

Below is generated by plot.py at 2018-02-16 13:35:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.41 Mbit/s

95th percentile per-packet one-way delay: 132.770 ms

Loss rate: 0.53%

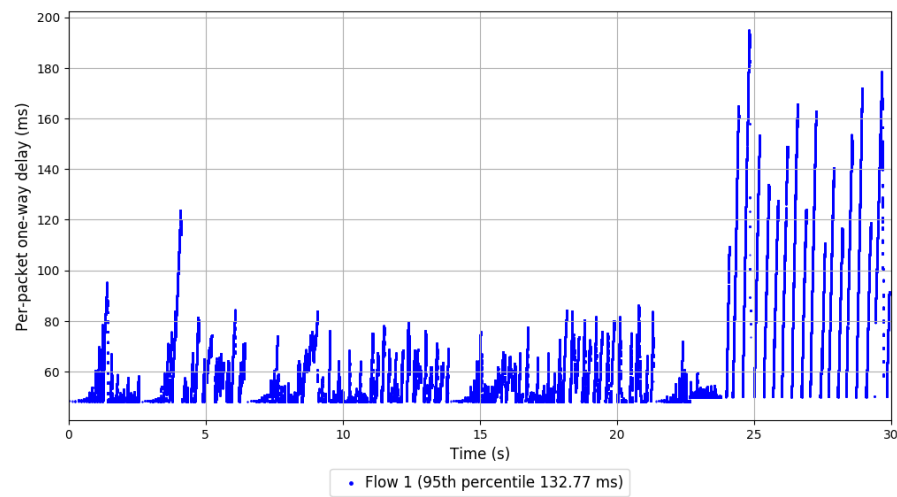
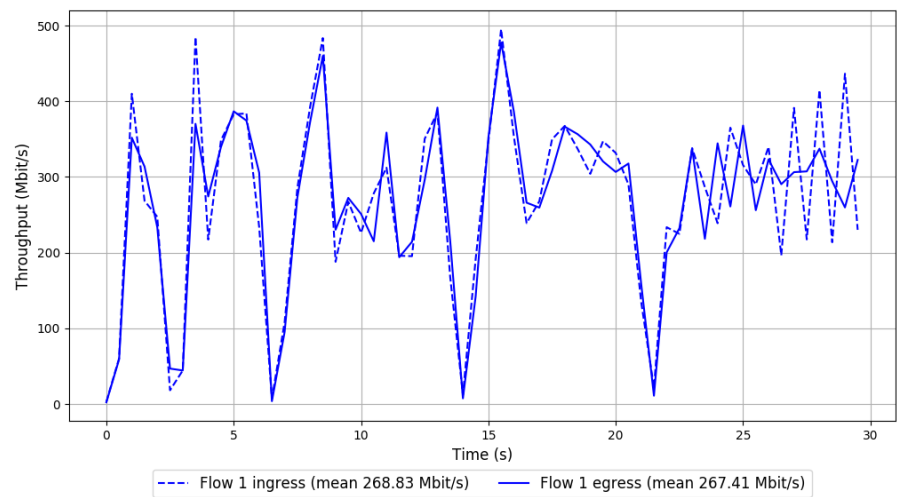
-- Flow 1:

Average throughput: 267.41 Mbit/s

95th percentile per-packet one-way delay: 132.770 ms

Loss rate: 0.53%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-16 10:08:41

End at: 2018-02-16 10:09:11

Below is generated by plot.py at 2018-02-16 13:35:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.02 Mbit/s

95th percentile per-packet one-way delay: 135.630 ms

Loss rate: 0.20%

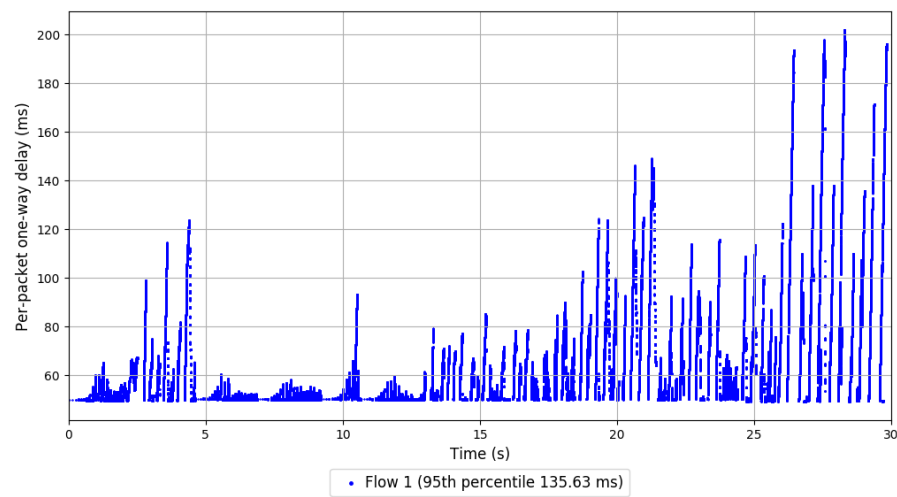
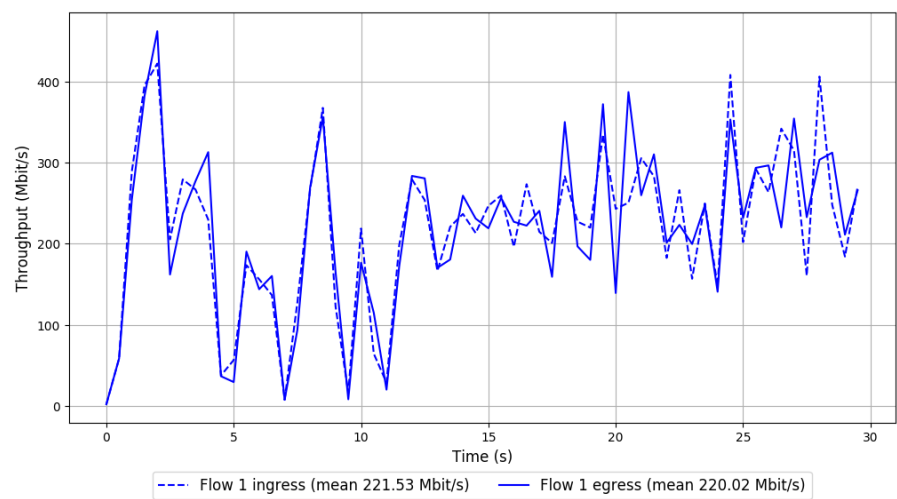
-- Flow 1:

Average throughput: 220.02 Mbit/s

95th percentile per-packet one-way delay: 135.630 ms

Loss rate: 0.20%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-16 10:23:29

End at: 2018-02-16 10:23:59

Below is generated by plot.py at 2018-02-16 13:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.26 Mbit/s

95th percentile per-packet one-way delay: 66.180 ms

Loss rate: 0.09%

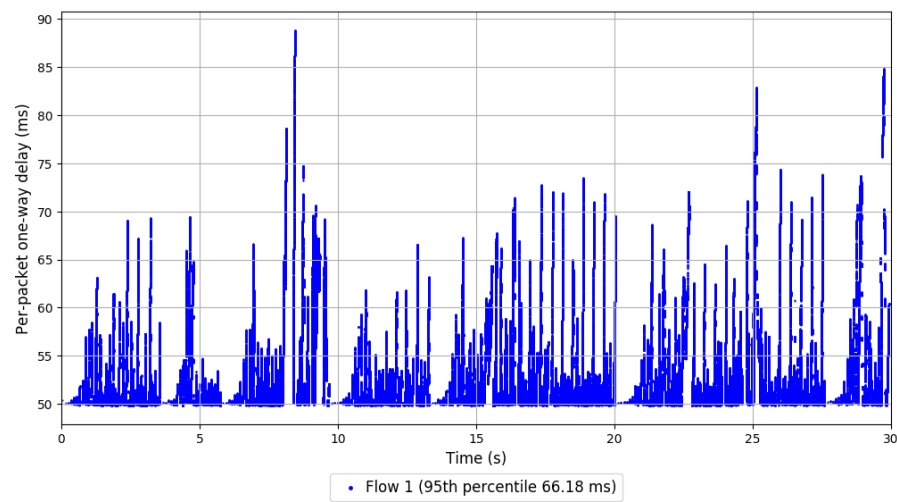
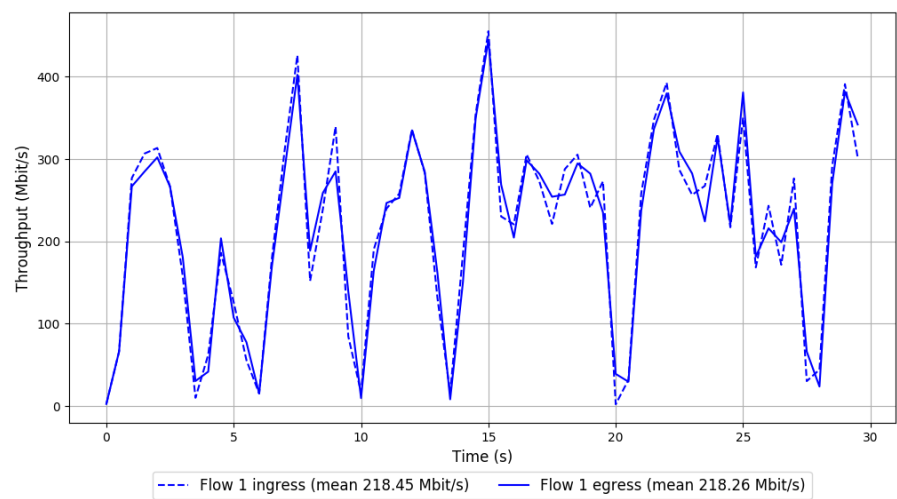
-- Flow 1:

Average throughput: 218.26 Mbit/s

95th percentile per-packet one-way delay: 66.180 ms

Loss rate: 0.09%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-16 10:38:17

End at: 2018-02-16 10:38:47

Below is generated by plot.py at 2018-02-16 13:38:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.24 Mbit/s

95th percentile per-packet one-way delay: 91.372 ms

Loss rate: 0.00%

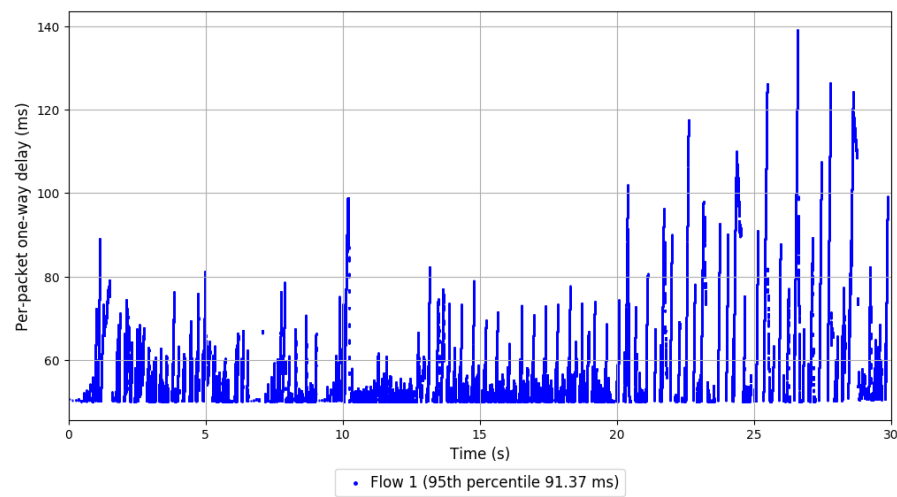
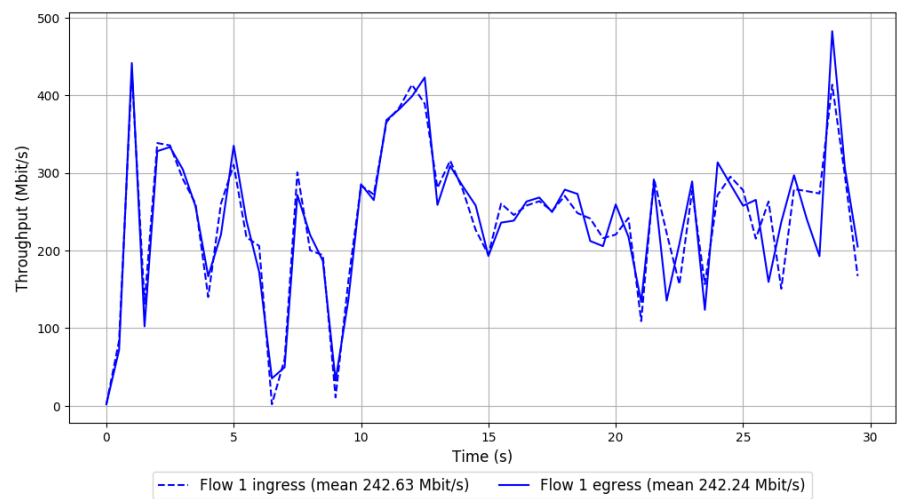
-- Flow 1:

Average throughput: 242.24 Mbit/s

95th percentile per-packet one-way delay: 91.372 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-16 10:53:12

End at: 2018-02-16 10:53:42

Below is generated by plot.py at 2018-02-16 13:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.71 Mbit/s

95th percentile per-packet one-way delay: 101.810 ms

Loss rate: 0.00%

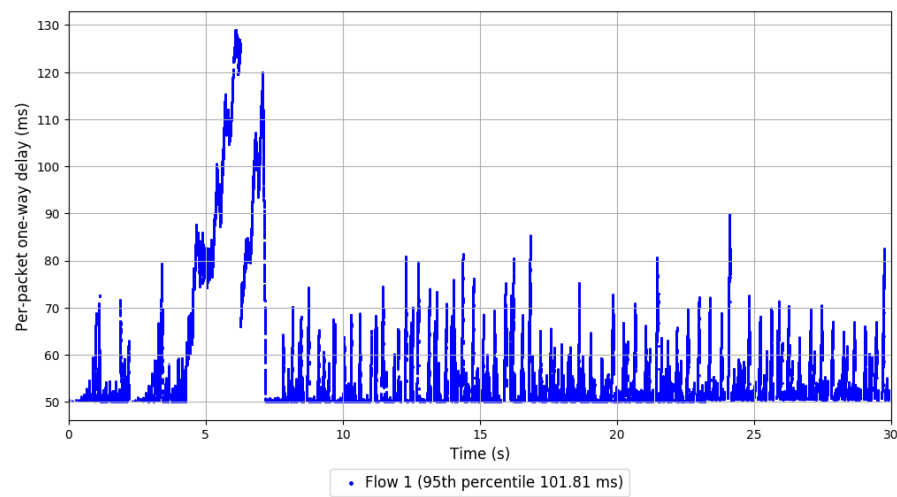
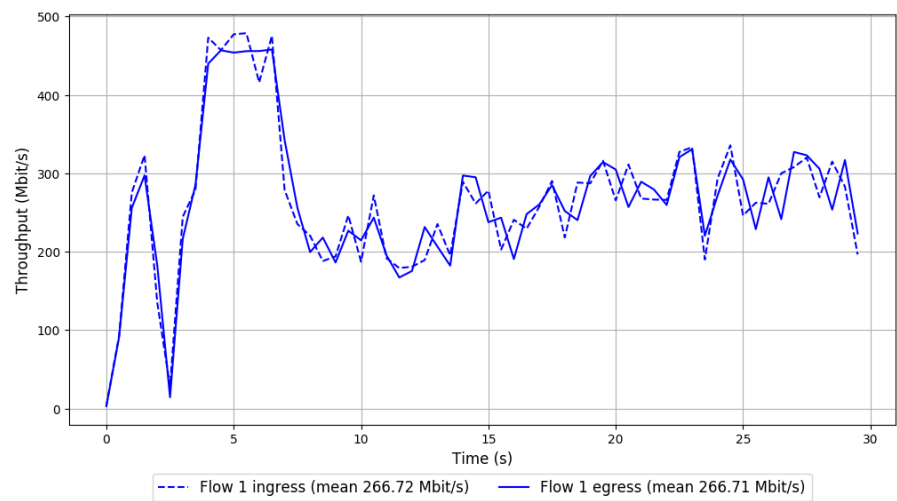
-- Flow 1:

Average throughput: 266.71 Mbit/s

95th percentile per-packet one-way delay: 101.810 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-16 08:31:15

End at: 2018-02-16 08:31:45

Below is generated by plot.py at 2018-02-16 13:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.20 Mbit/s

95th percentile per-packet one-way delay: 51.177 ms

Loss rate: 0.00%

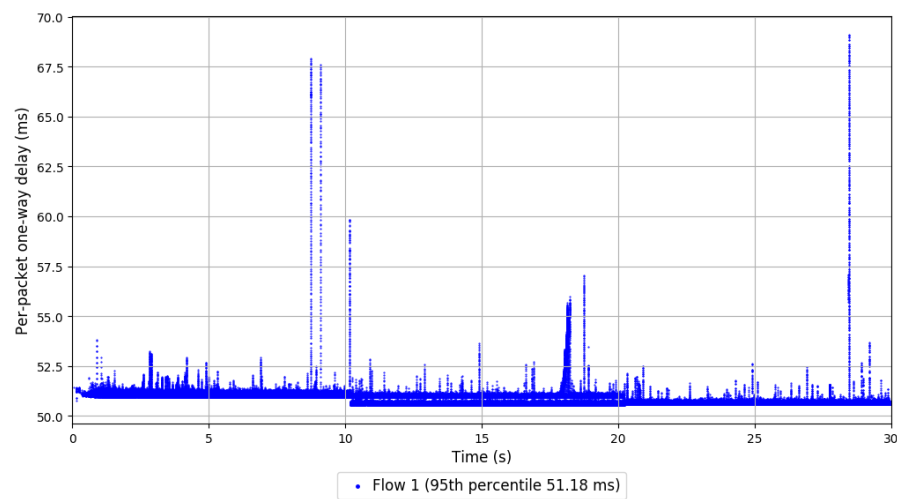
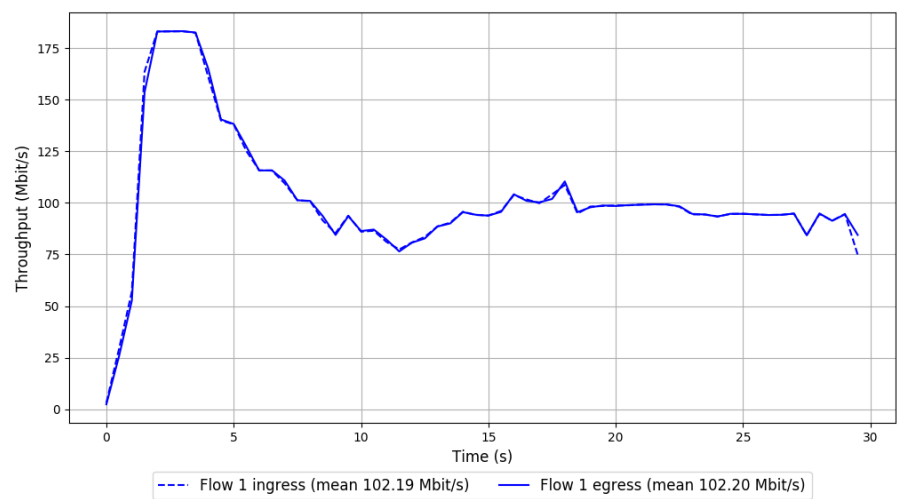
-- Flow 1:

Average throughput: 102.20 Mbit/s

95th percentile per-packet one-way delay: 51.177 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-16 08:45:36

End at: 2018-02-16 08:46:06

Below is generated by plot.py at 2018-02-16 13:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.03 Mbit/s

95th percentile per-packet one-way delay: 50.831 ms

Loss rate: 0.00%

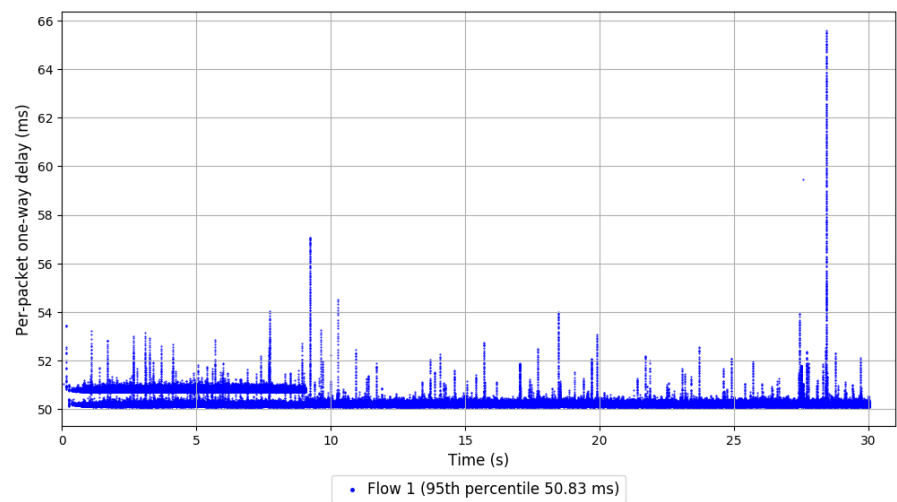
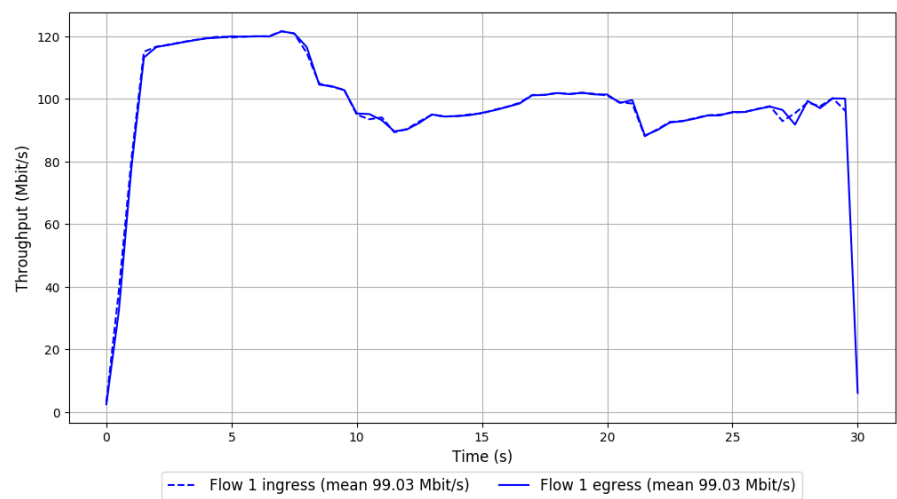
-- Flow 1:

Average throughput: 99.03 Mbit/s

95th percentile per-packet one-way delay: 50.831 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-16 09:00:28

End at: 2018-02-16 09:00:58

Below is generated by plot.py at 2018-02-16 13:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.38 Mbit/s

95th percentile per-packet one-way delay: 50.490 ms

Loss rate: 0.00%

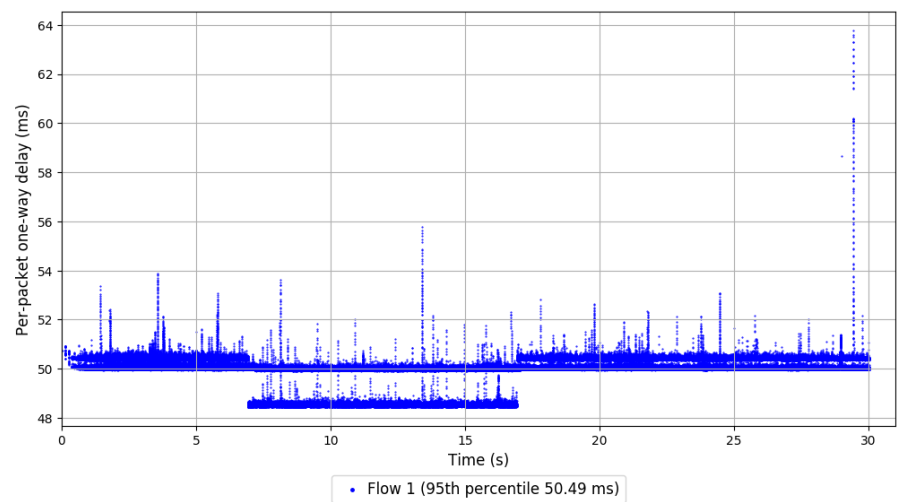
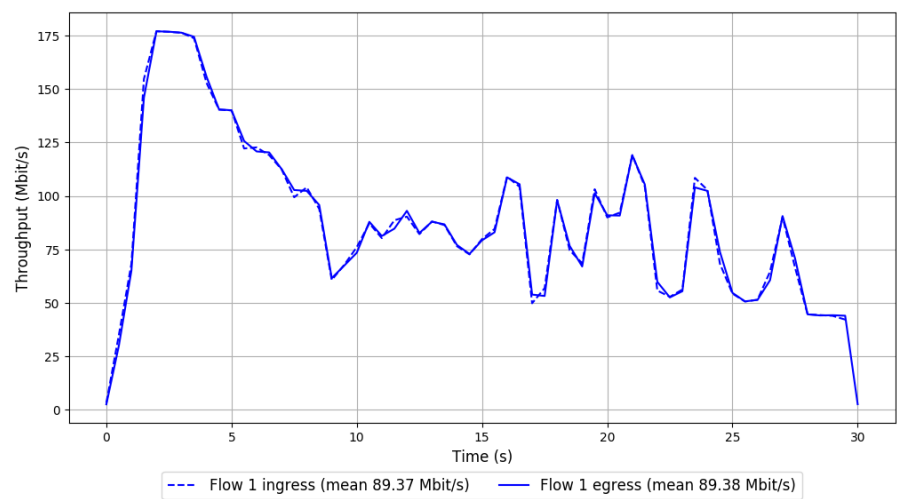
-- Flow 1:

Average throughput: 89.38 Mbit/s

95th percentile per-packet one-way delay: 50.490 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-16 09:15:21

End at: 2018-02-16 09:15:51

Below is generated by plot.py at 2018-02-16 13:39:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.57 Mbit/s

95th percentile per-packet one-way delay: 50.439 ms

Loss rate: 0.00%

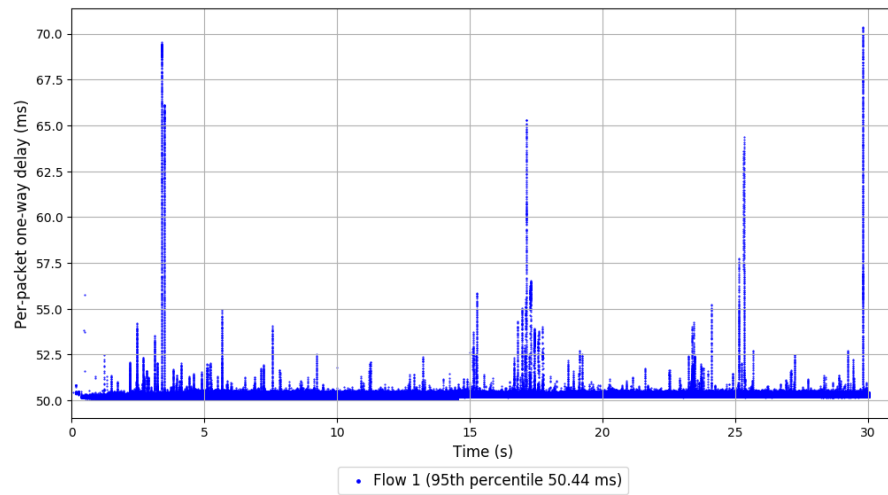
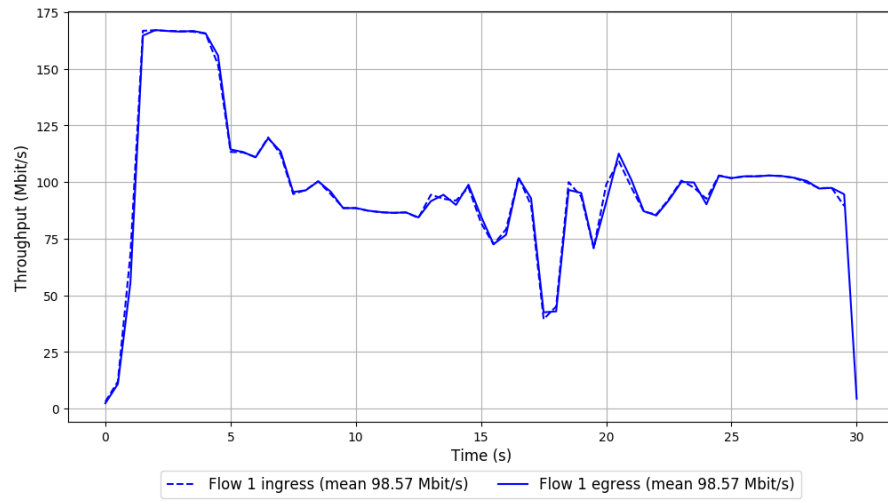
-- Flow 1:

Average throughput: 98.57 Mbit/s

95th percentile per-packet one-way delay: 50.439 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-16 09:30:04

End at: 2018-02-16 09:30:34

Below is generated by plot.py at 2018-02-16 13:39:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.78 Mbit/s

95th percentile per-packet one-way delay: 50.198 ms

Loss rate: 0.00%

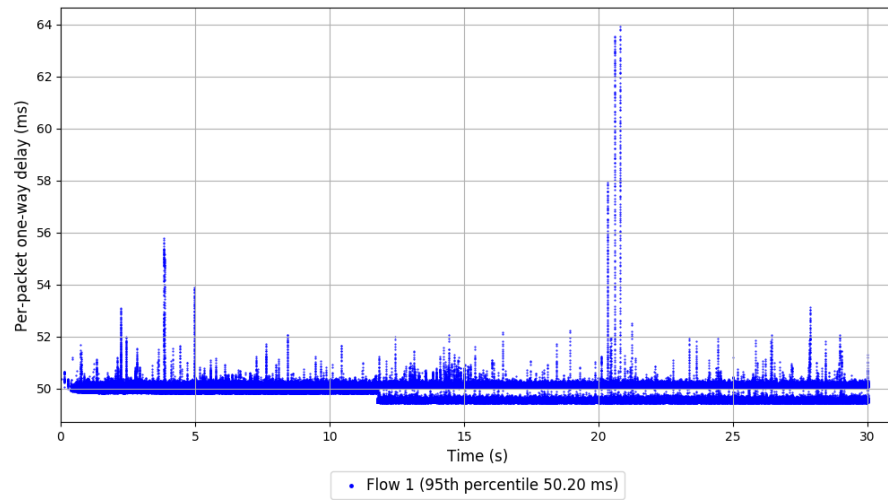
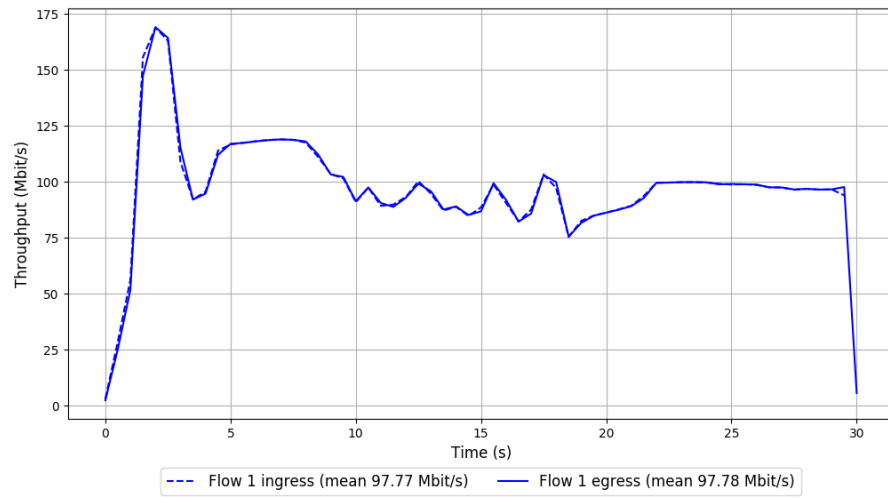
-- Flow 1:

Average throughput: 97.78 Mbit/s

95th percentile per-packet one-way delay: 50.198 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-16 09:44:55

End at: 2018-02-16 09:45:25

Below is generated by plot.py at 2018-02-16 13:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.27 Mbit/s

95th percentile per-packet one-way delay: 50.055 ms

Loss rate: 0.00%

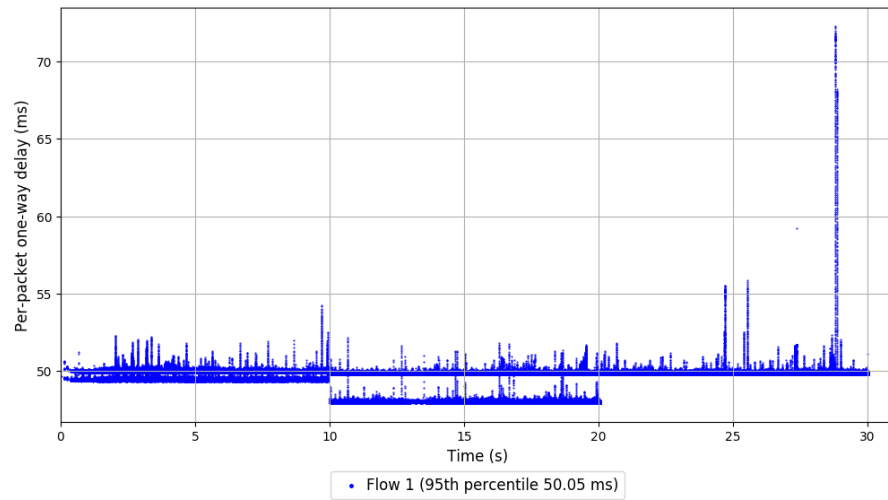
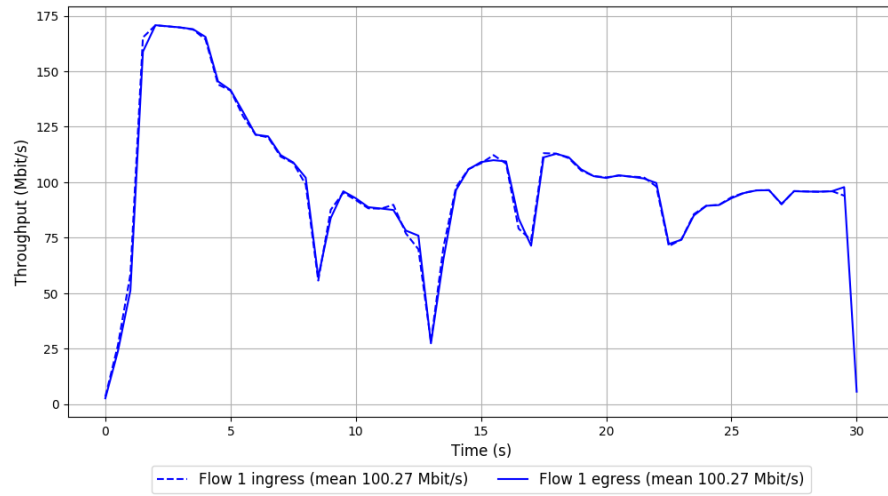
-- Flow 1:

Average throughput: 100.27 Mbit/s

95th percentile per-packet one-way delay: 50.055 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-16 09:59:59

End at: 2018-02-16 10:00:29

Below is generated by plot.py at 2018-02-16 13:40:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 50.199 ms

Loss rate: 0.00%

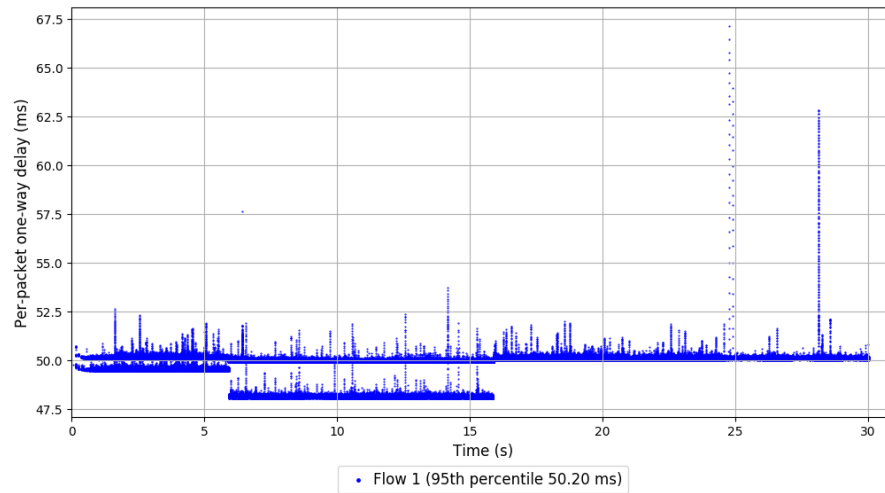
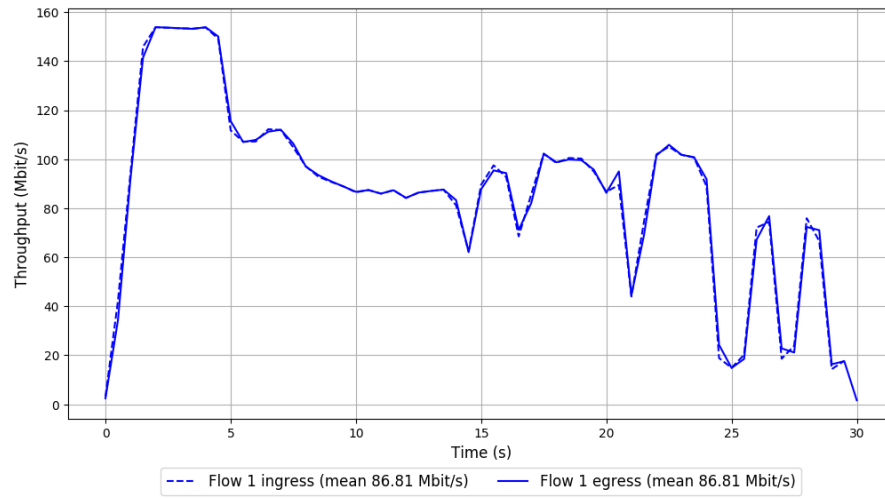
-- Flow 1:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 50.199 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-16 10:14:43

End at: 2018-02-16 10:15:13

Below is generated by plot.py at 2018-02-16 13:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 49.973 ms

Loss rate: 0.00%

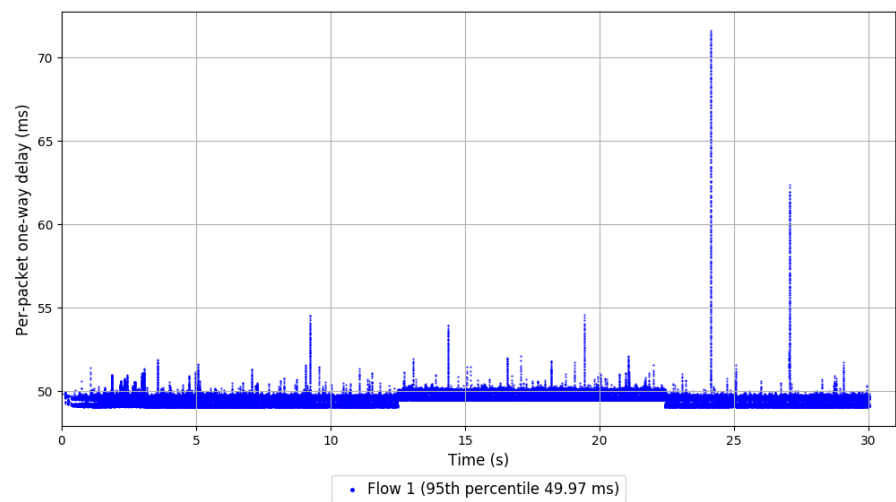
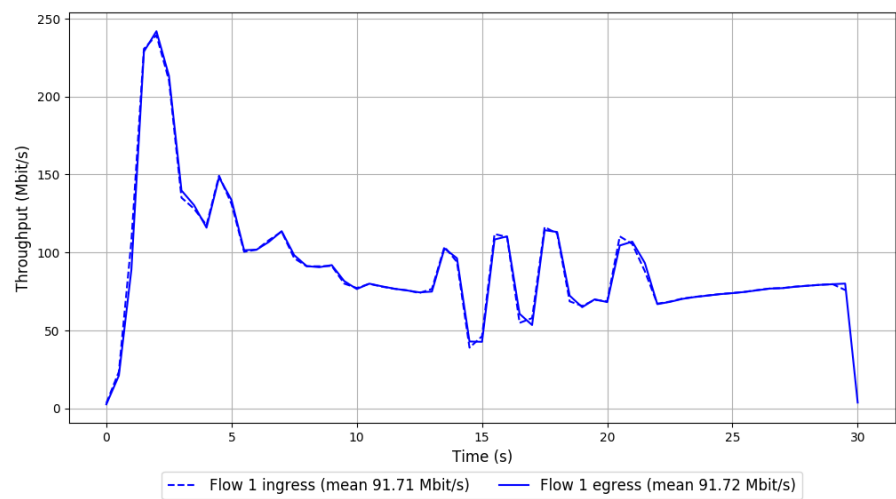
-- Flow 1:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 49.973 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-16 10:29:32

End at: 2018-02-16 10:30:02

Below is generated by plot.py at 2018-02-16 13:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 50.588 ms

Loss rate: 0.00%

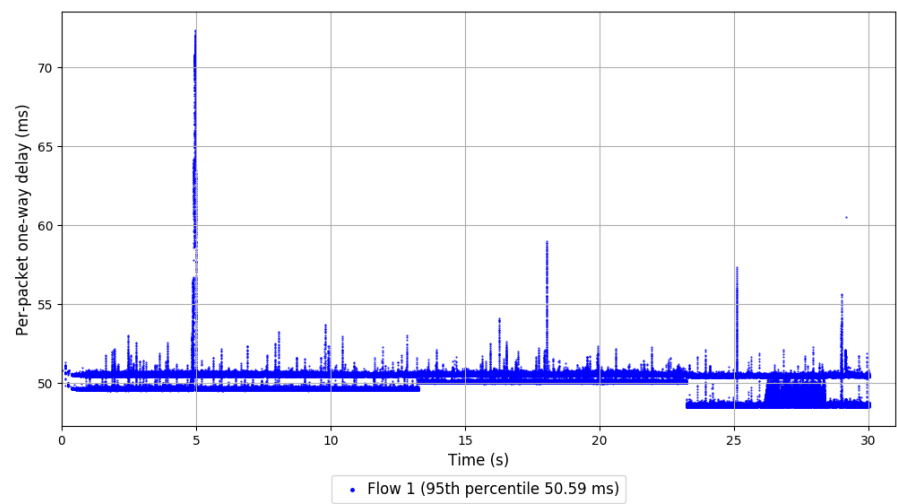
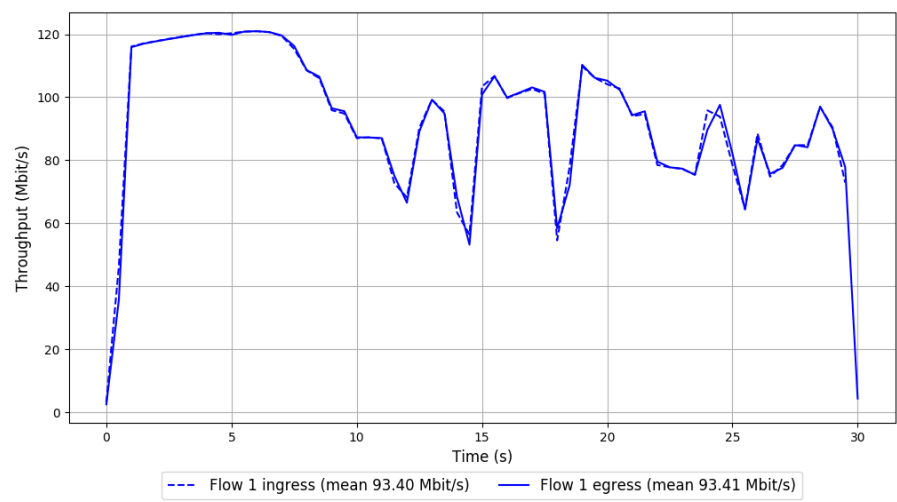
-- Flow 1:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 50.588 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-16 10:44:24

End at: 2018-02-16 10:44:54

Below is generated by plot.py at 2018-02-16 13:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.20 Mbit/s

95th percentile per-packet one-way delay: 50.586 ms

Loss rate: 0.00%

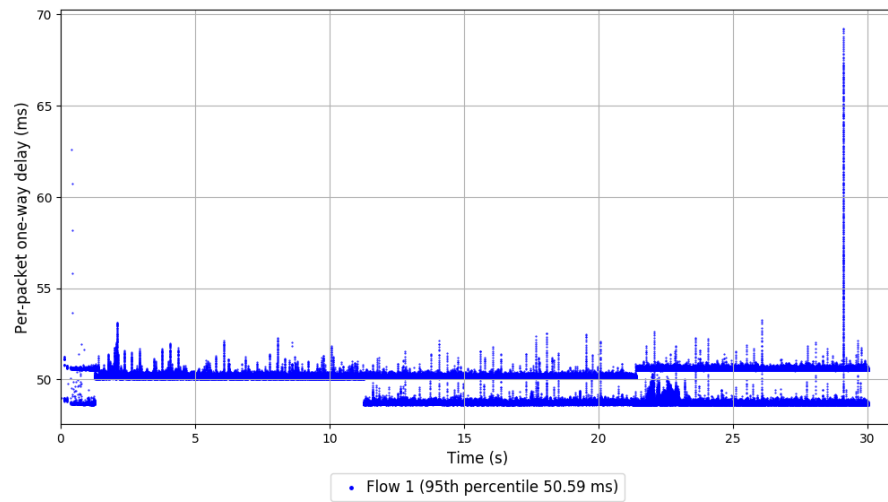
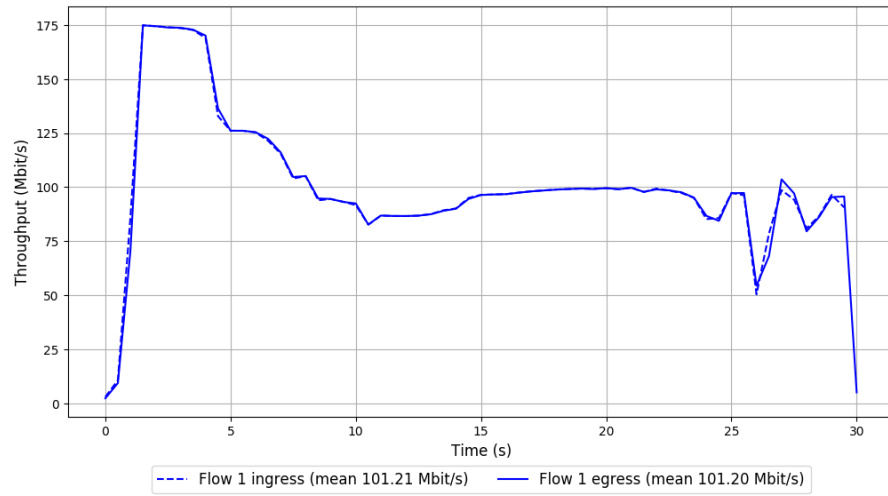
-- Flow 1:

Average throughput: 101.20 Mbit/s

95th percentile per-packet one-way delay: 50.586 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

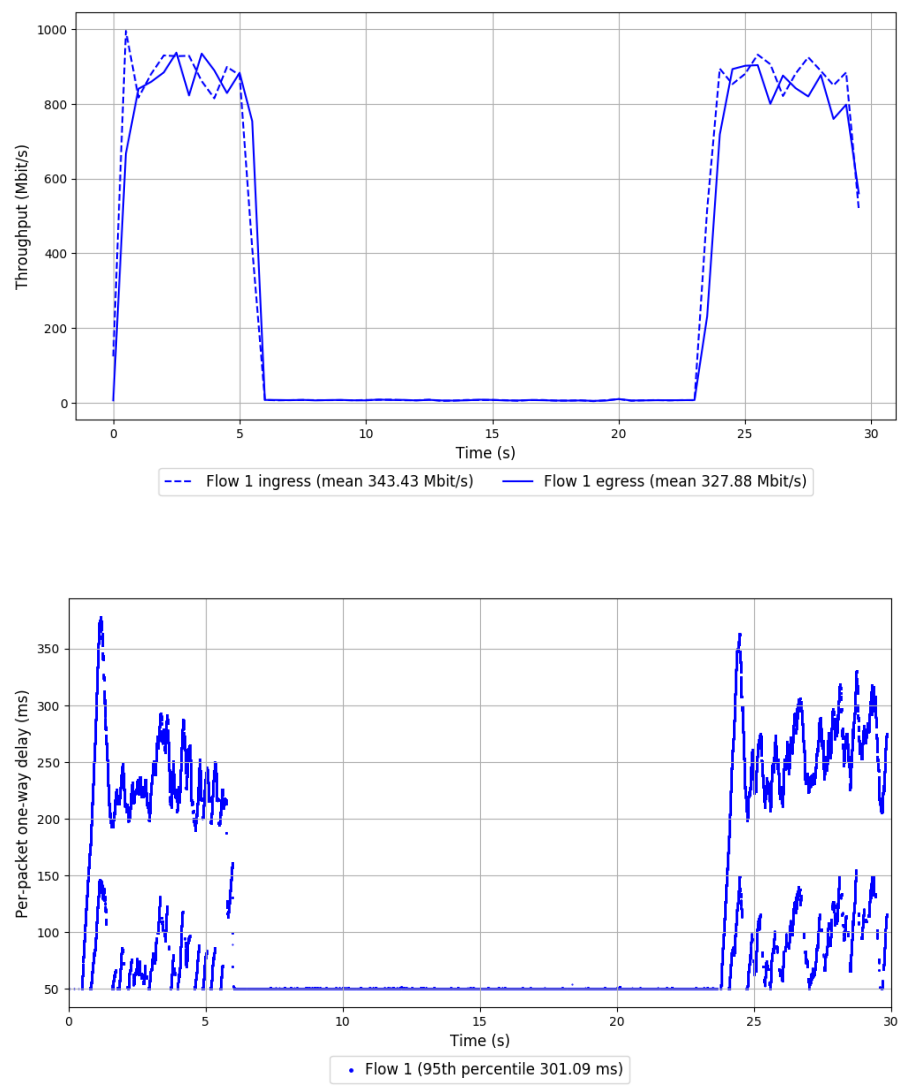


```
Run 1: Statistics of FillP

Start at: 2018-02-16 08:37:58
End at: 2018-02-16 08:38:28

# Below is generated by plot.py at 2018-02-16 13:44:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.88 Mbit/s
95th percentile per-packet one-way delay: 301.094 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 327.88 Mbit/s
95th percentile per-packet one-way delay: 301.094 ms
Loss rate: 4.53%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-16 08:52:31

End at: 2018-02-16 08:53:01

Below is generated by plot.py at 2018-02-16 13:57:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 907.98 Mbit/s

95th percentile per-packet one-way delay: 272.297 ms

Loss rate: 4.78%

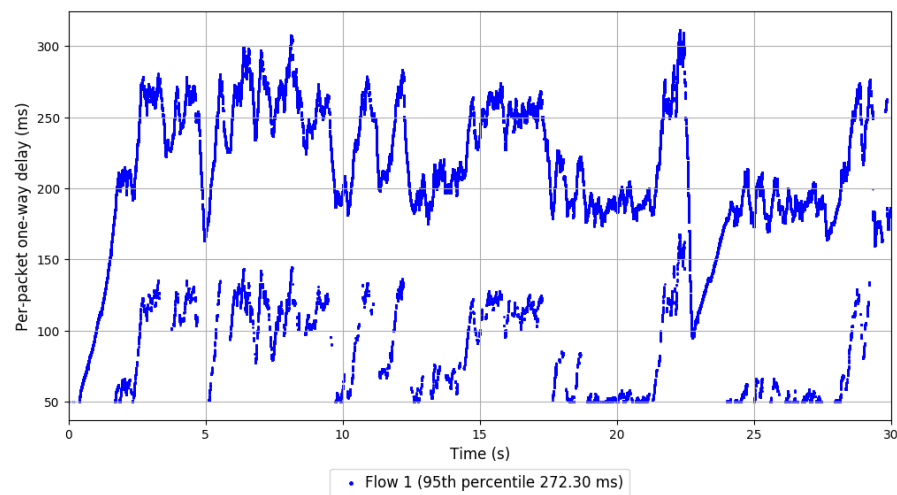
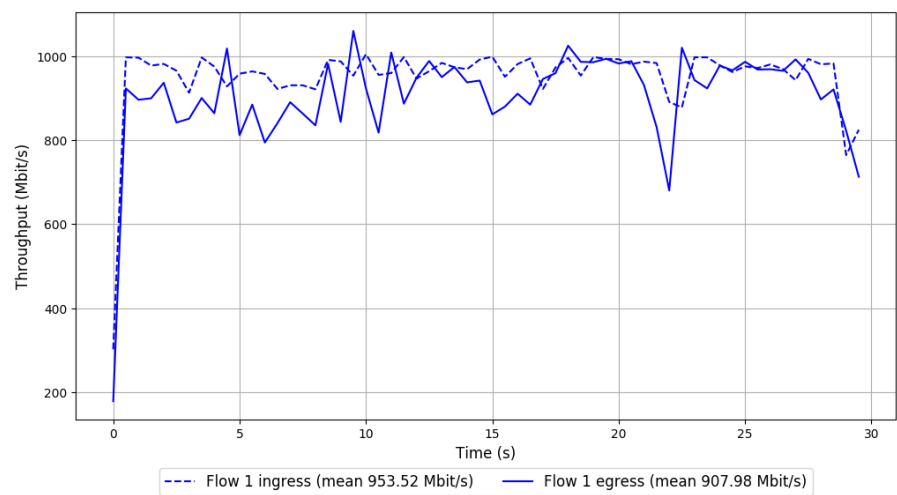
-- Flow 1:

Average throughput: 907.98 Mbit/s

95th percentile per-packet one-way delay: 272.297 ms

Loss rate: 4.78%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-16 09:07:26

End at: 2018-02-16 09:07:56

Below is generated by plot.py at 2018-02-16 13:57:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 664.40 Mbit/s

95th percentile per-packet one-way delay: 326.162 ms

Loss rate: 6.10%

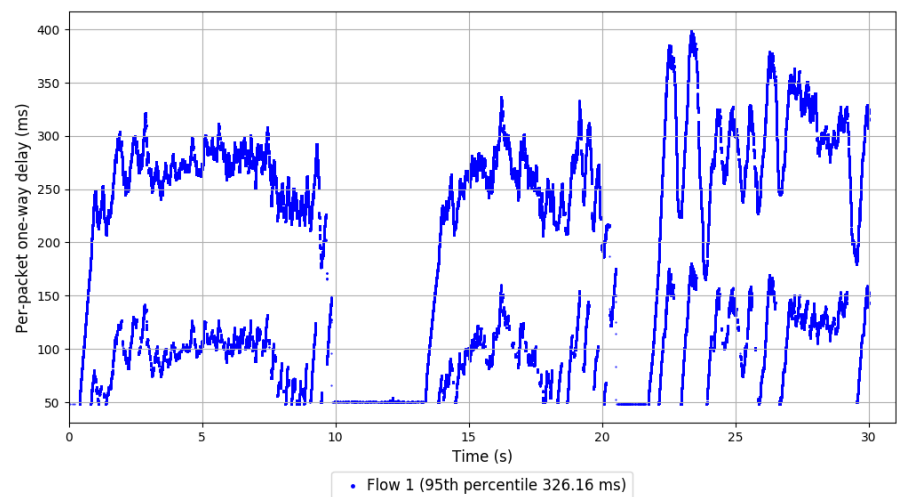
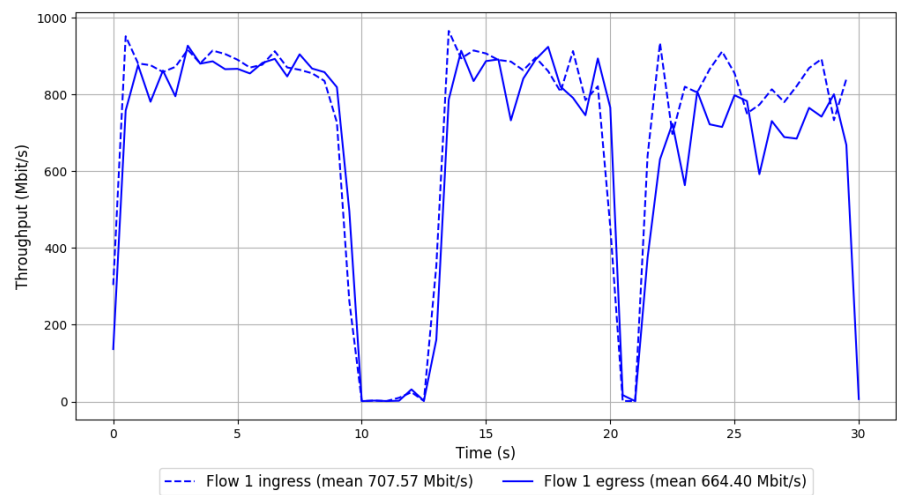
-- Flow 1:

Average throughput: 664.40 Mbit/s

95th percentile per-packet one-way delay: 326.162 ms

Loss rate: 6.10%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-16 09:22:08

End at: 2018-02-16 09:22:38

Below is generated by plot.py at 2018-02-16 13:57:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 849.99 Mbit/s

95th percentile per-packet one-way delay: 283.363 ms

Loss rate: 3.69%

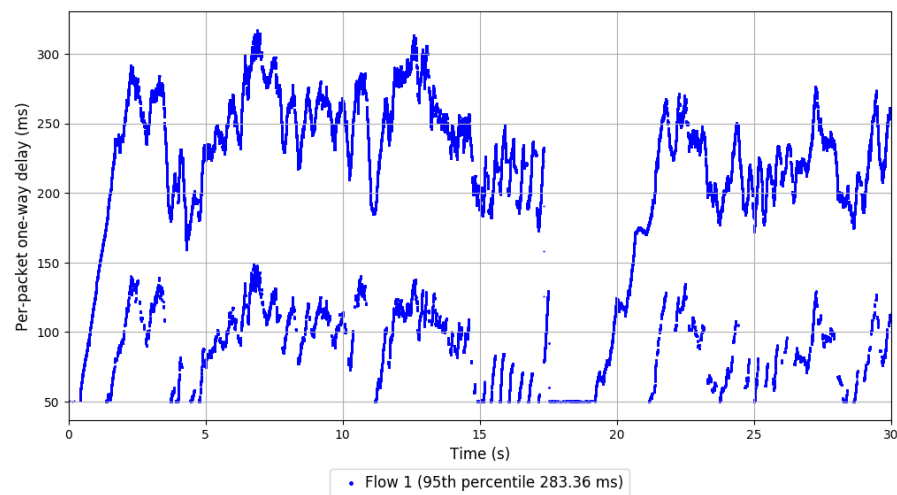
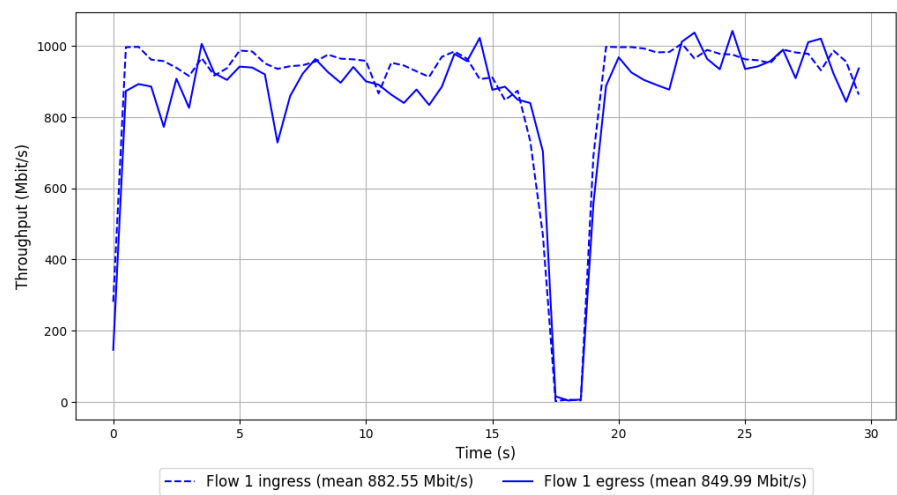
-- Flow 1:

Average throughput: 849.99 Mbit/s

95th percentile per-packet one-way delay: 283.363 ms

Loss rate: 3.69%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-16 09:36:50

End at: 2018-02-16 09:37:20

Below is generated by plot.py at 2018-02-16 13:58:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 879.89 Mbit/s

95th percentile per-packet one-way delay: 290.903 ms

Loss rate: 5.14%

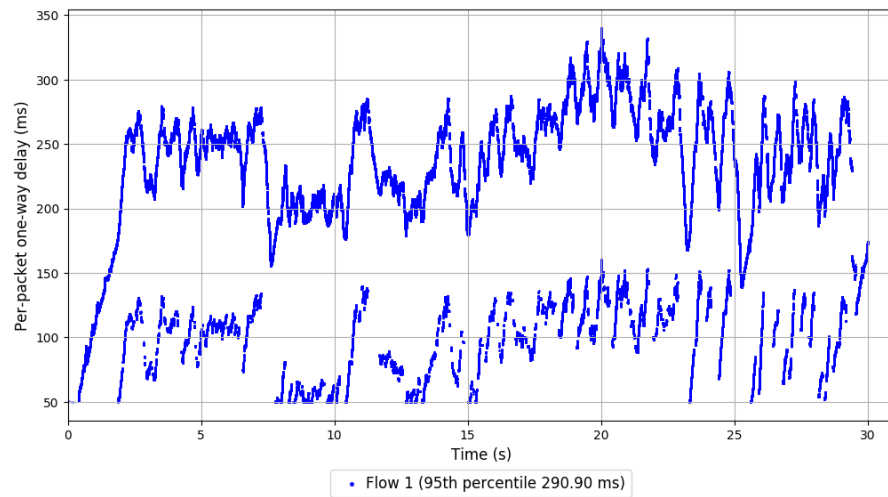
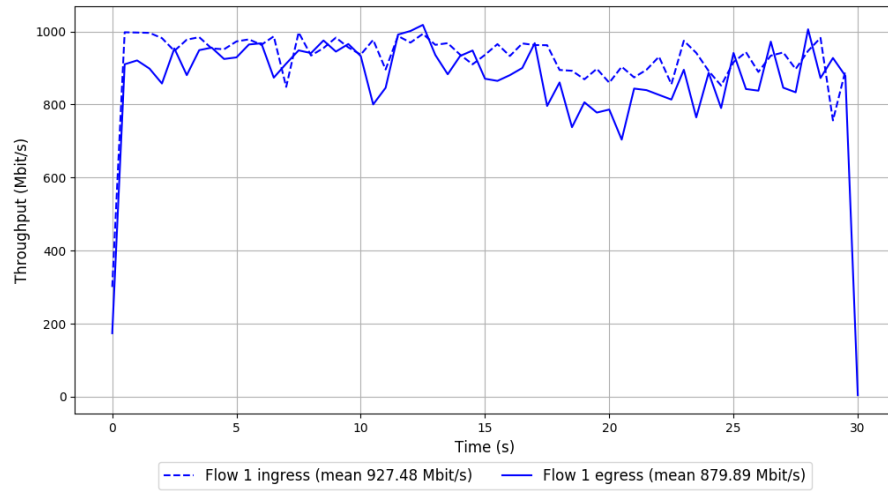
-- Flow 1:

Average throughput: 879.89 Mbit/s

95th percentile per-packet one-way delay: 290.903 ms

Loss rate: 5.14%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-16 09:51:51

End at: 2018-02-16 09:52:21

Below is generated by plot.py at 2018-02-16 13:59:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 900.92 Mbit/s

95th percentile per-packet one-way delay: 283.919 ms

Loss rate: 5.06%

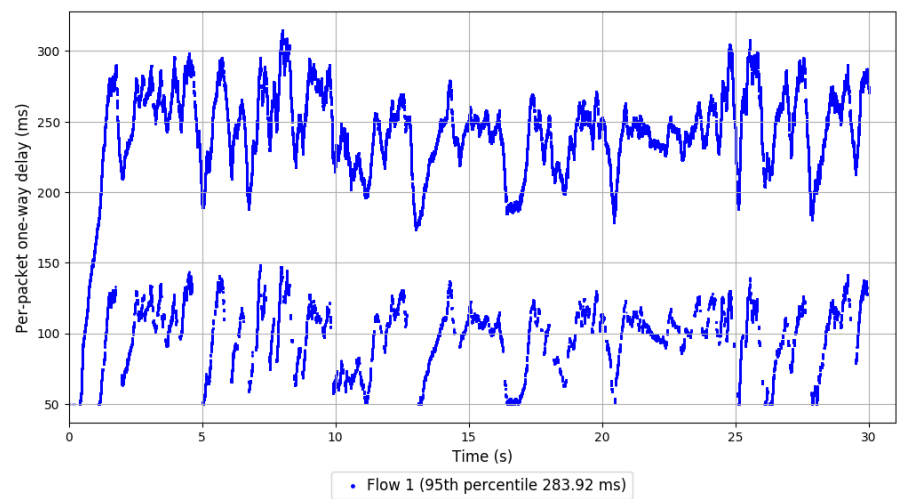
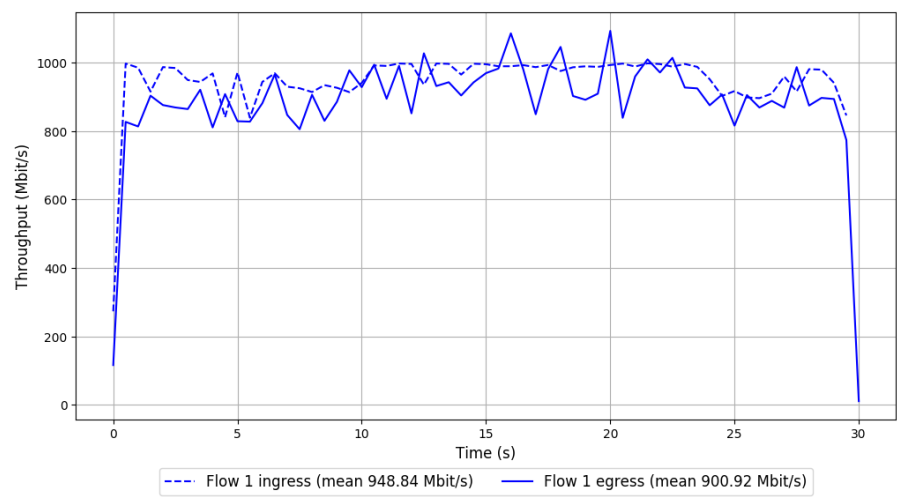
-- Flow 1:

Average throughput: 900.92 Mbit/s

95th percentile per-packet one-way delay: 283.919 ms

Loss rate: 5.06%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-16 10:06:47

End at: 2018-02-16 10:07:17

Below is generated by plot.py at 2018-02-16 13:59:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 858.95 Mbit/s

95th percentile per-packet one-way delay: 290.696 ms

Loss rate: 5.48%

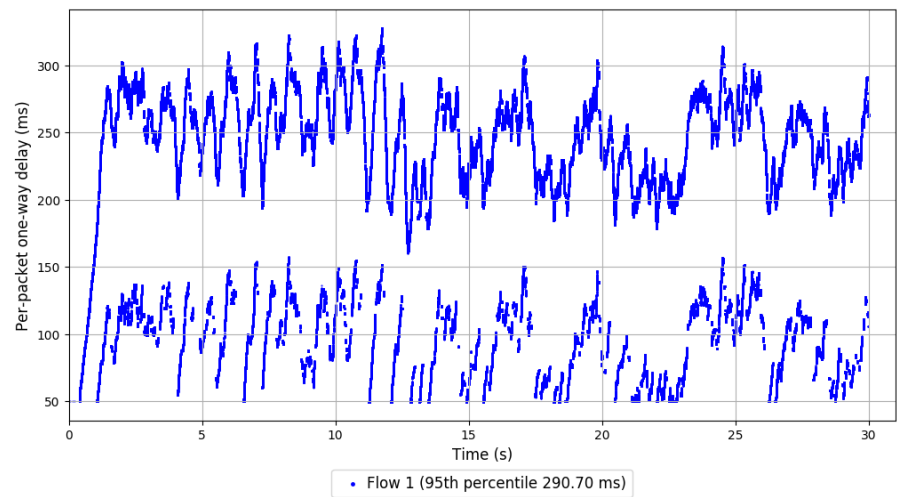
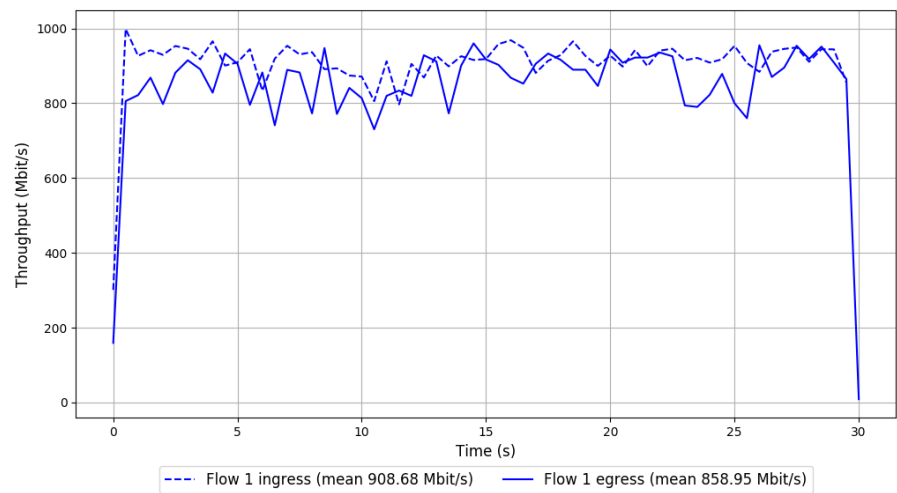
-- Flow 1:

Average throughput: 858.95 Mbit/s

95th percentile per-packet one-way delay: 290.696 ms

Loss rate: 5.48%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-16 10:21:32

End at: 2018-02-16 10:22:02

Below is generated by plot.py at 2018-02-16 14:00:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 918.51 Mbit/s

95th percentile per-packet one-way delay: 269.466 ms

Loss rate: 3.10%

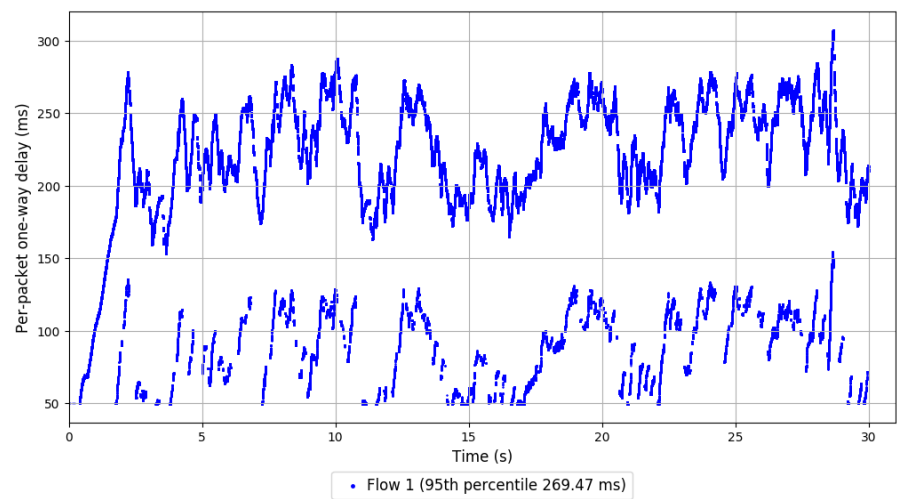
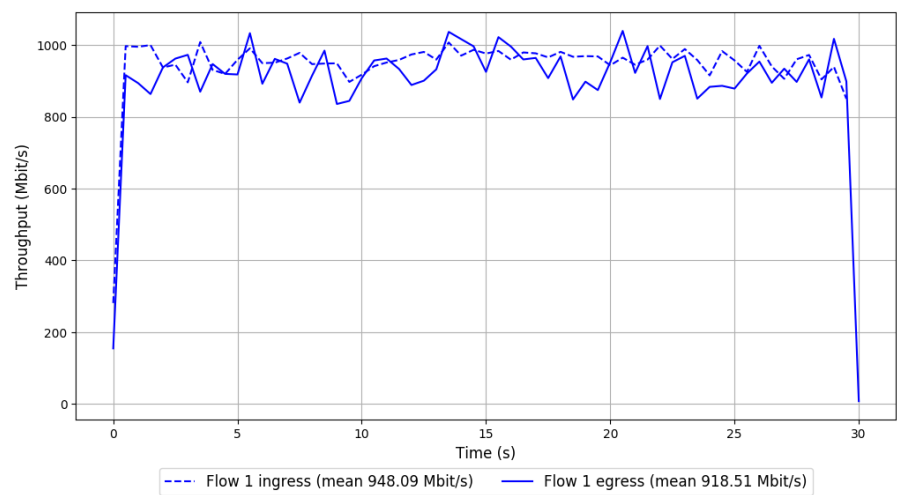
-- Flow 1:

Average throughput: 918.51 Mbit/s

95th percentile per-packet one-way delay: 269.466 ms

Loss rate: 3.10%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-16 10:36:22

End at: 2018-02-16 10:36:52

Below is generated by plot.py at 2018-02-16 14:04:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 898.59 Mbit/s

95th percentile per-packet one-way delay: 274.940 ms

Loss rate: 3.12%

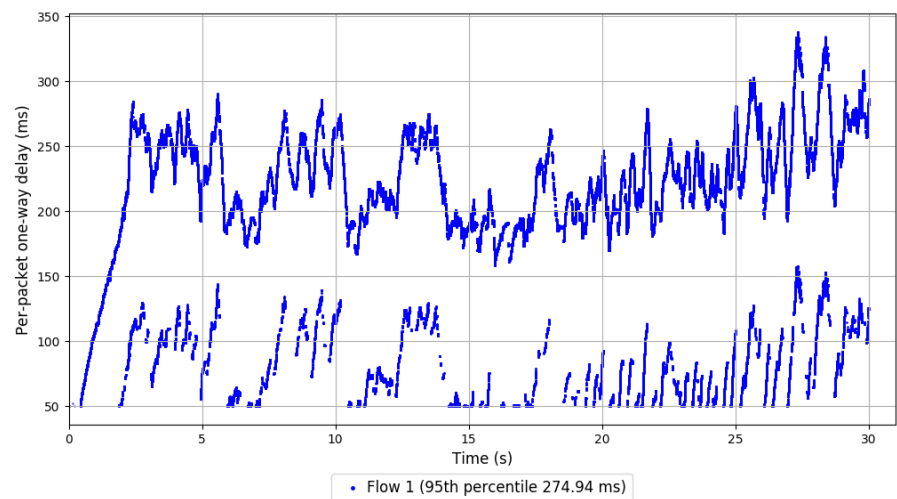
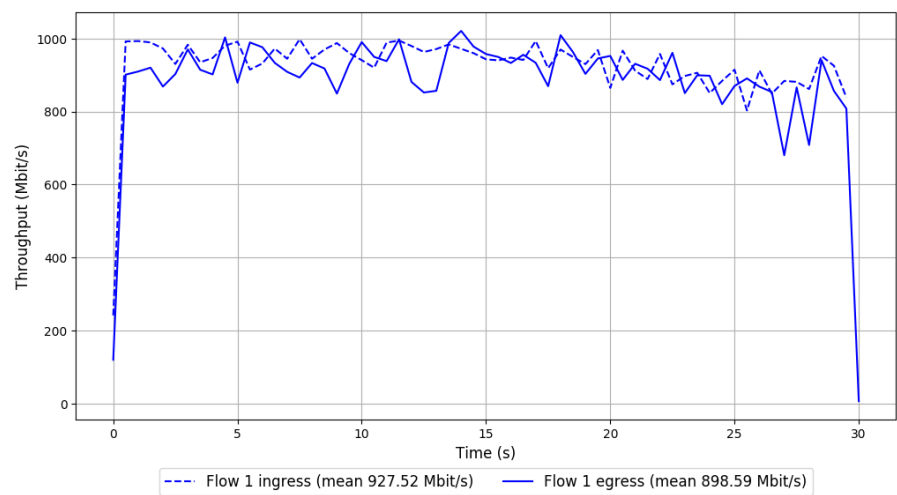
-- Flow 1:

Average throughput: 898.59 Mbit/s

95th percentile per-packet one-way delay: 274.940 ms

Loss rate: 3.12%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-16 10:51:11

End at: 2018-02-16 10:51:41

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 905.80 Mbit/s

95th percentile per-packet one-way delay: 273.527 ms

Loss rate: 4.20%

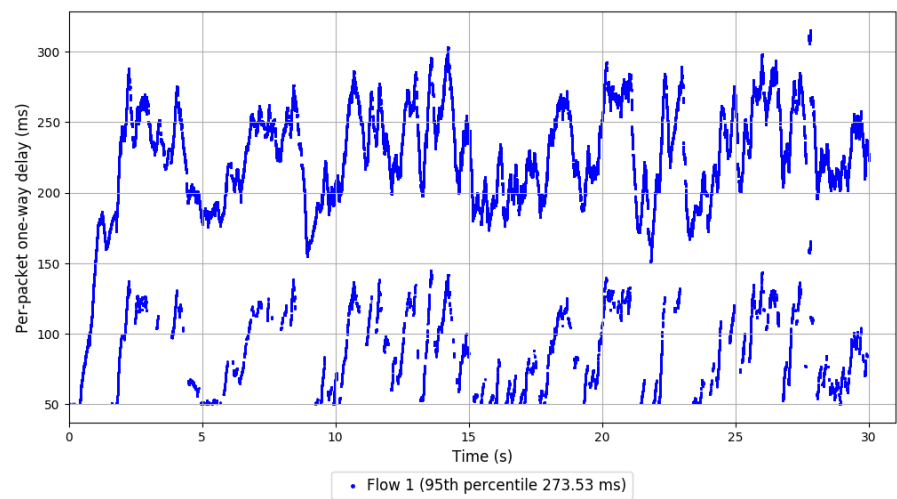
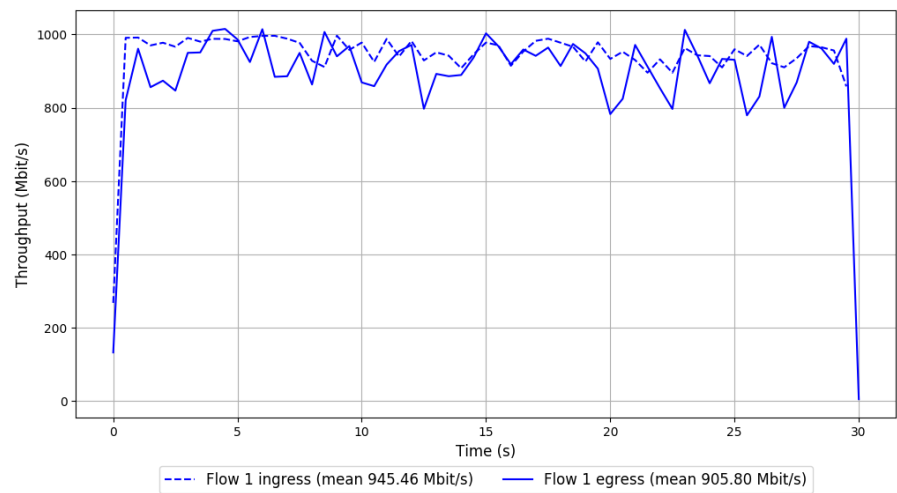
-- Flow 1:

Average throughput: 905.80 Mbit/s

95th percentile per-packet one-way delay: 273.527 ms

Loss rate: 4.20%

Run 10: Report of FillP — Data Link

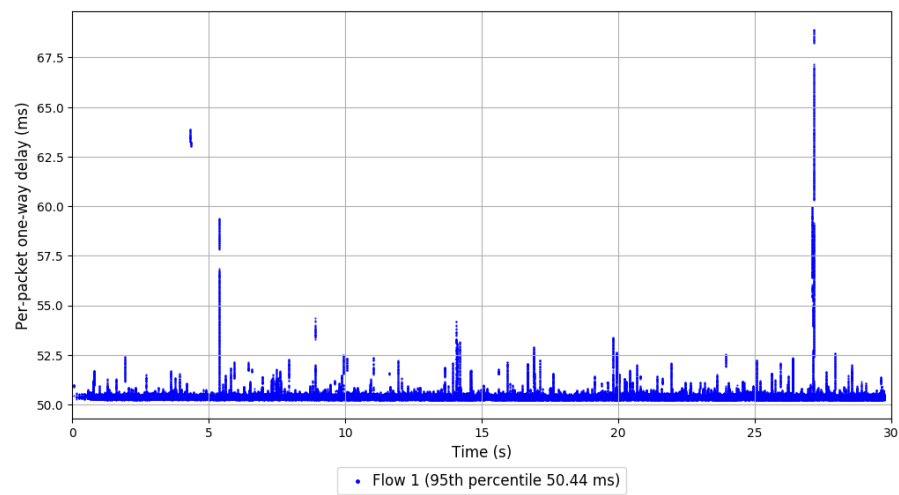
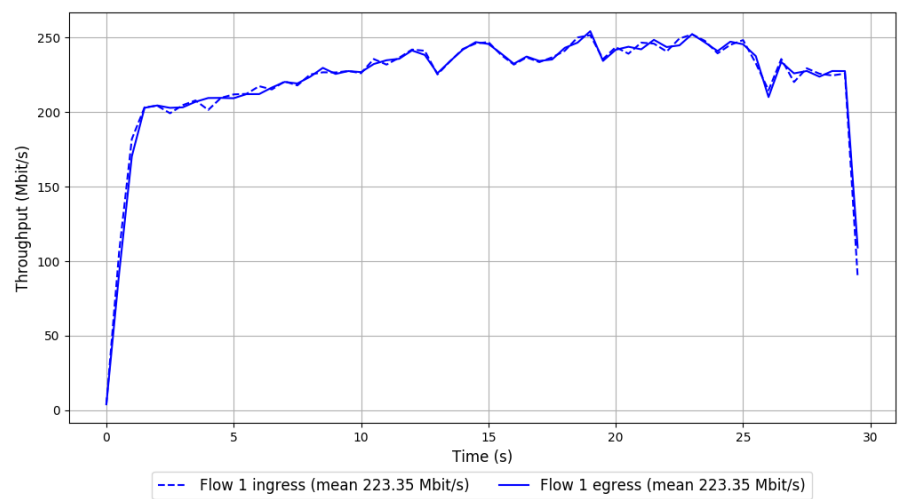


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 08:41:52
End at: 2018-02-16 08:42:22

# Below is generated by plot.py at 2018-02-16 14:12:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.35 Mbit/s
95th percentile per-packet one-way delay: 50.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.35 Mbit/s
95th percentile per-packet one-way delay: 50.440 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 08:56:41

End at: 2018-02-16 08:57:11

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.21 Mbit/s

95th percentile per-packet one-way delay: 50.175 ms

Loss rate: 0.00%

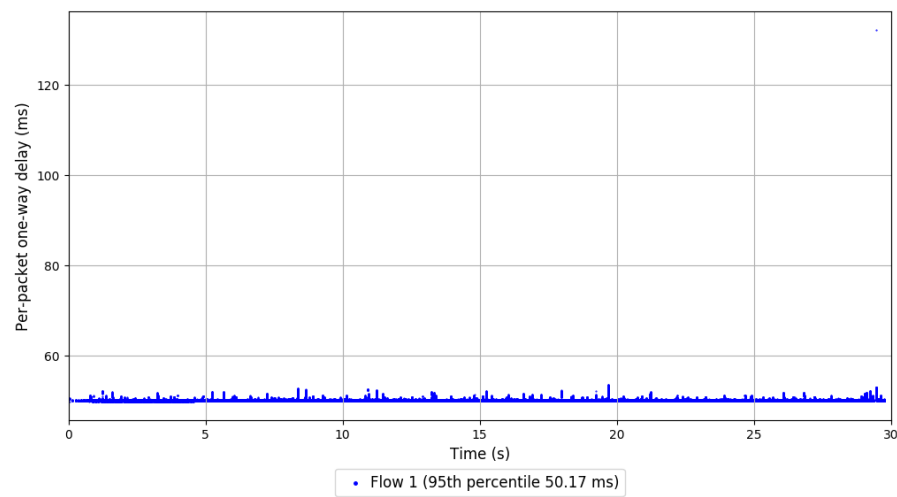
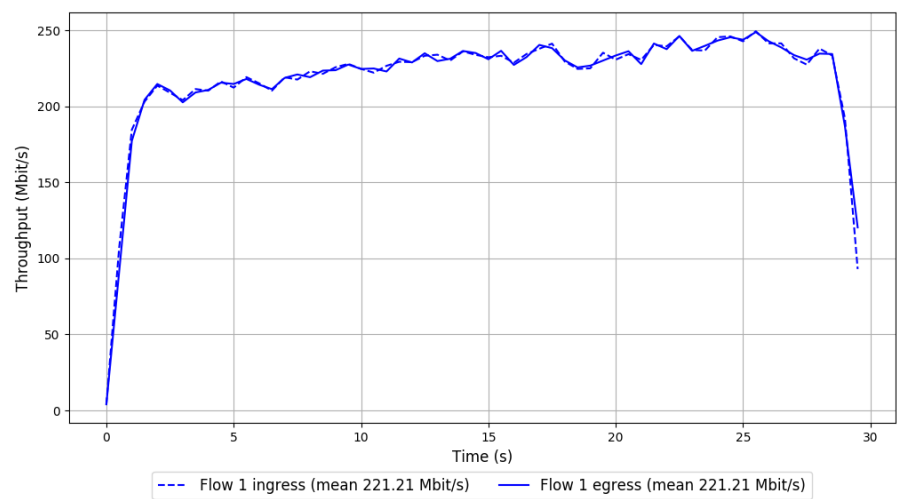
-- Flow 1:

Average throughput: 221.21 Mbit/s

95th percentile per-packet one-way delay: 50.175 ms

Loss rate: 0.00%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 09:11:34

End at: 2018-02-16 09:12:04

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.87 Mbit/s

95th percentile per-packet one-way delay: 50.344 ms

Loss rate: 0.00%

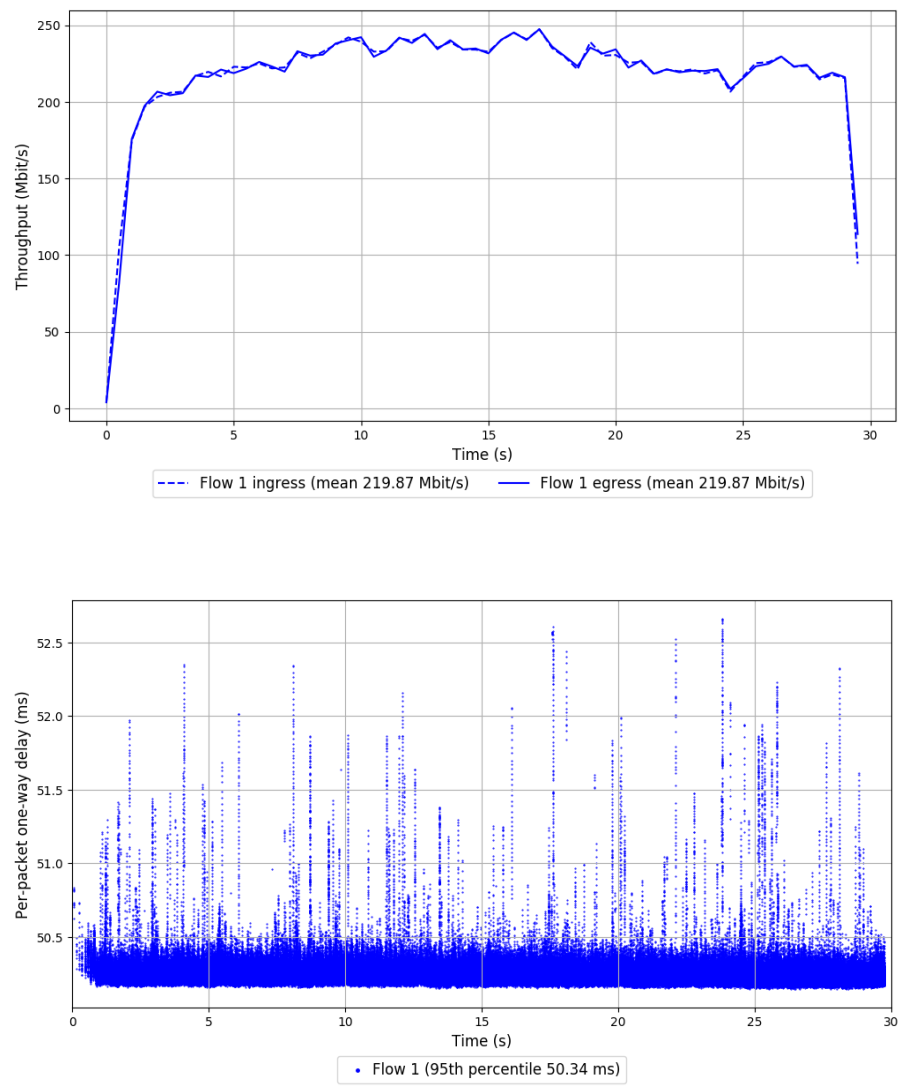
-- Flow 1:

Average throughput: 219.87 Mbit/s

95th percentile per-packet one-way delay: 50.344 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 09:26:16

End at: 2018-02-16 09:26:46

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.25 Mbit/s

95th percentile per-packet one-way delay: 50.131 ms

Loss rate: 0.00%

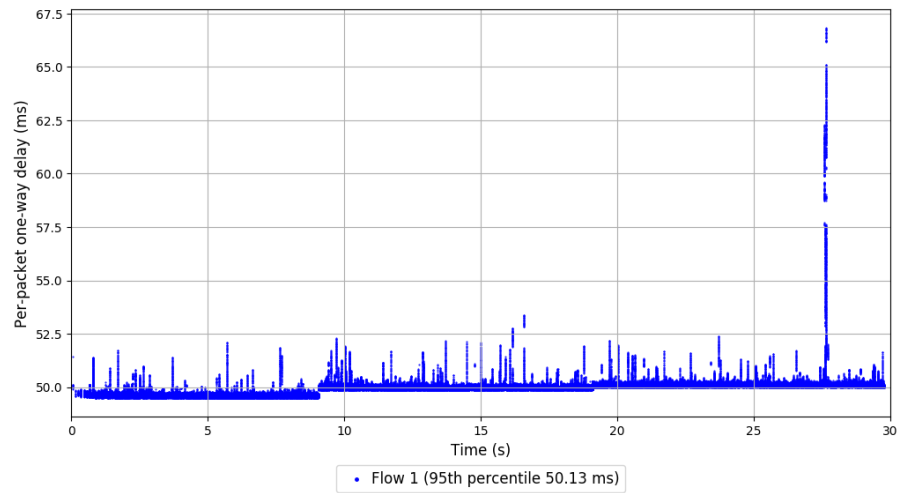
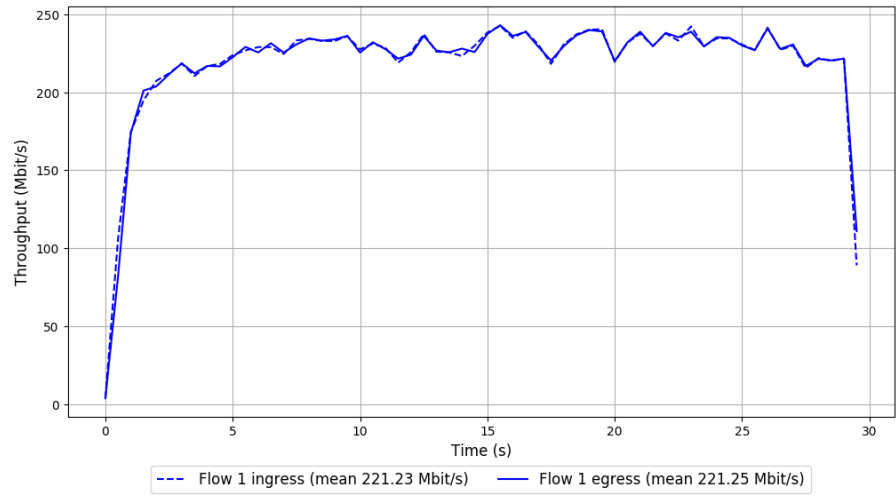
-- Flow 1:

Average throughput: 221.25 Mbit/s

95th percentile per-packet one-way delay: 50.131 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 09:41:09

End at: 2018-02-16 09:41:39

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.21 Mbit/s

95th percentile per-packet one-way delay: 49.993 ms

Loss rate: 0.00%

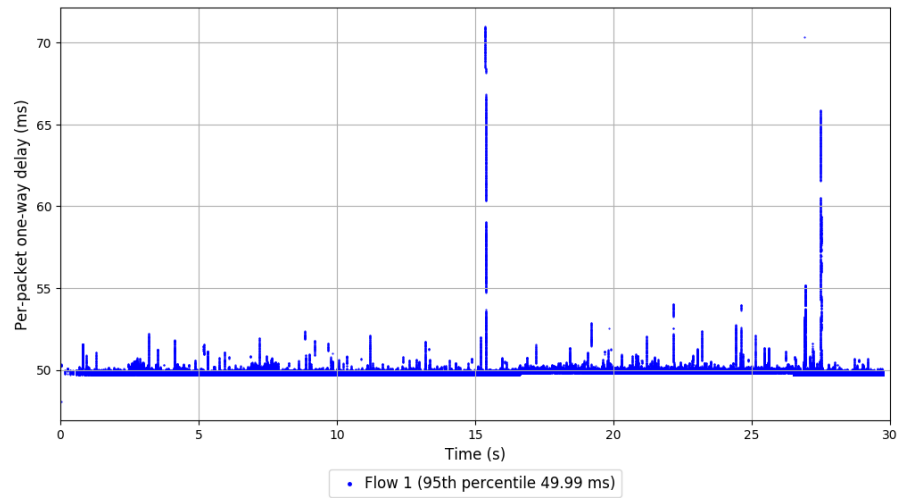
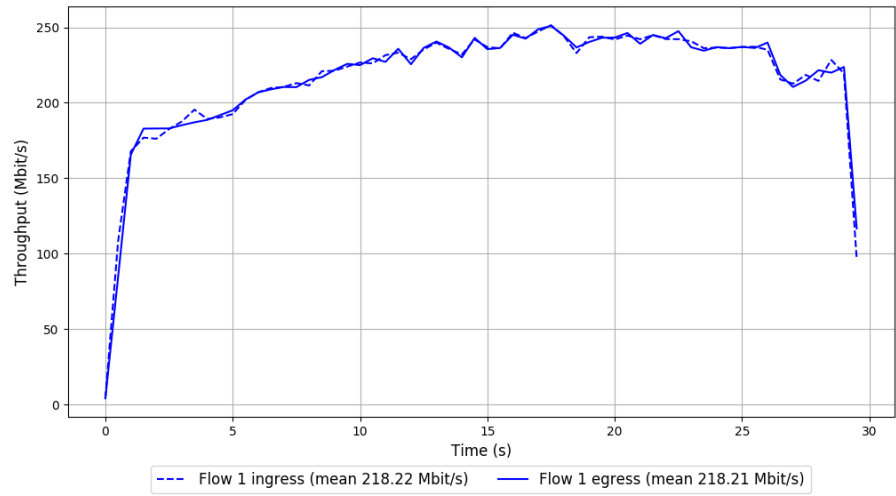
-- Flow 1:

Average throughput: 218.21 Mbit/s

95th percentile per-packet one-way delay: 49.993 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 09:56:11

End at: 2018-02-16 09:56:41

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.17 Mbit/s

95th percentile per-packet one-way delay: 50.145 ms

Loss rate: 0.01%

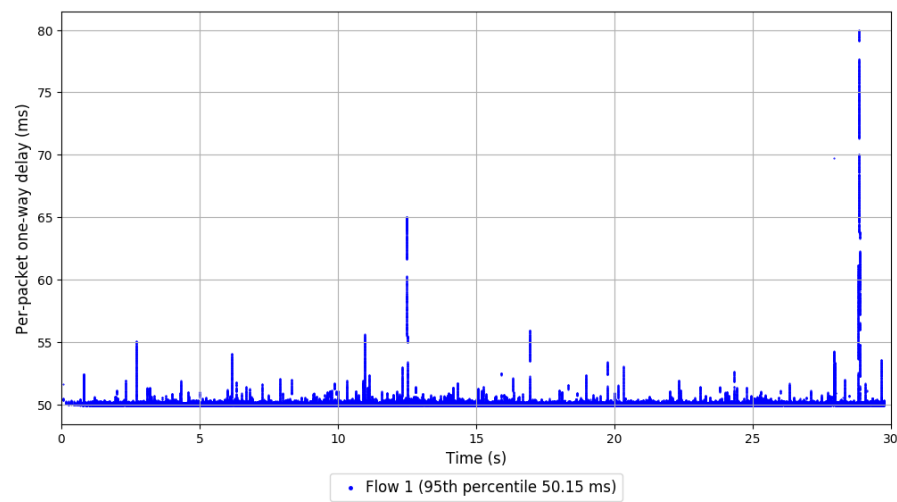
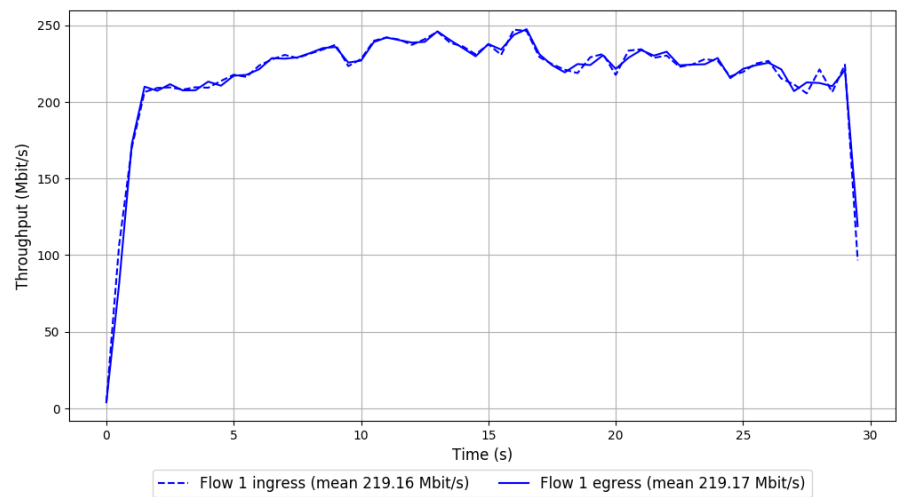
-- Flow 1:

Average throughput: 219.17 Mbit/s

95th percentile per-packet one-way delay: 50.145 ms

Loss rate: 0.01%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 10:10:57

End at: 2018-02-16 10:11:27

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.22 Mbit/s

95th percentile per-packet one-way delay: 50.053 ms

Loss rate: 0.01%

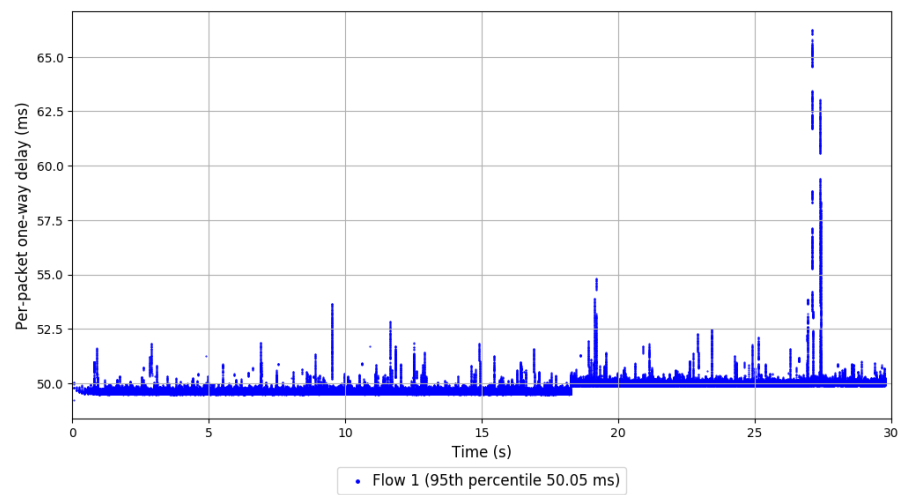
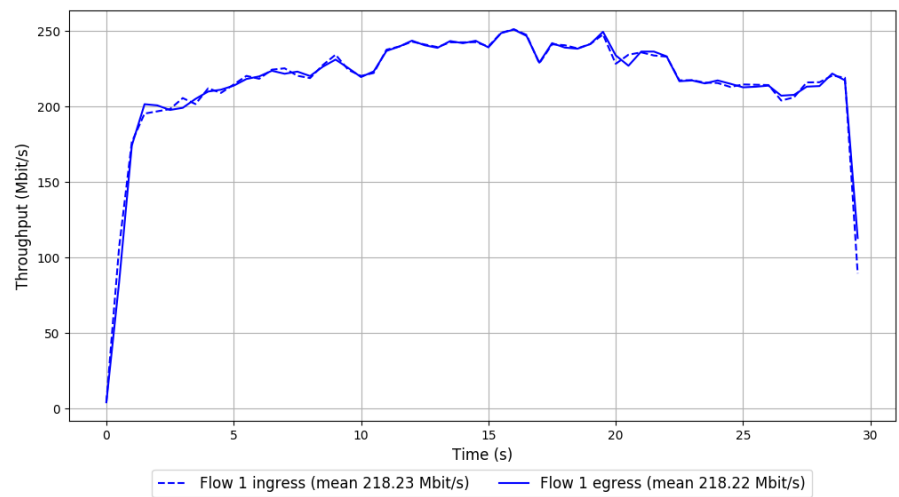
-- Flow 1:

Average throughput: 218.22 Mbit/s

95th percentile per-packet one-way delay: 50.053 ms

Loss rate: 0.01%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 10:25:46

End at: 2018-02-16 10:26:16

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.68 Mbit/s

95th percentile per-packet one-way delay: 50.539 ms

Loss rate: 0.00%

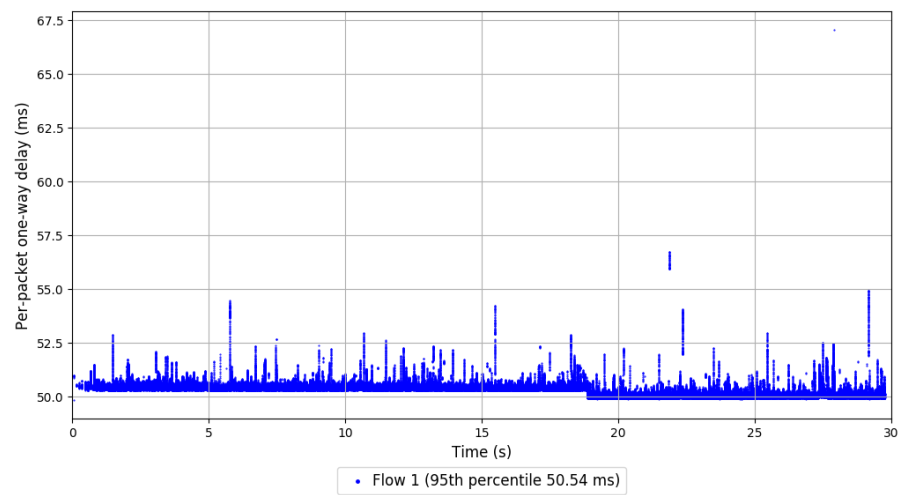
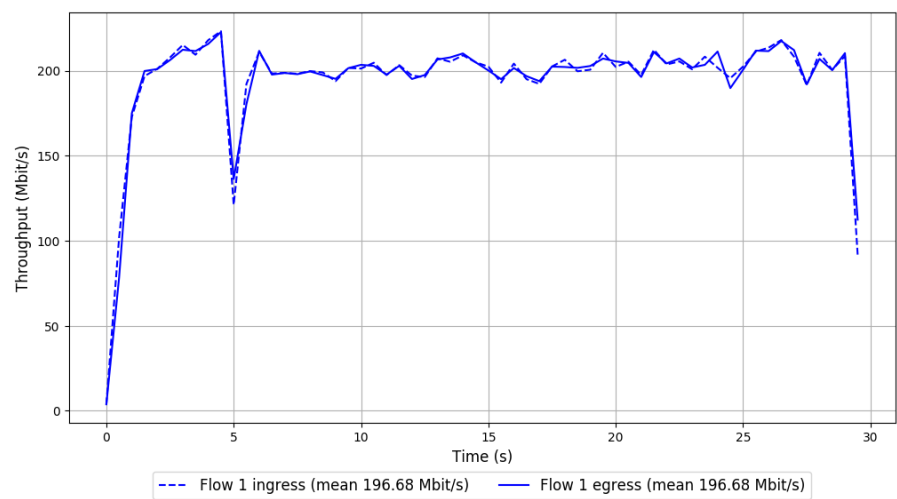
-- Flow 1:

Average throughput: 196.68 Mbit/s

95th percentile per-packet one-way delay: 50.539 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 10:40:35

End at: 2018-02-16 10:41:05

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.45 Mbit/s

95th percentile per-packet one-way delay: 50.680 ms

Loss rate: 0.00%

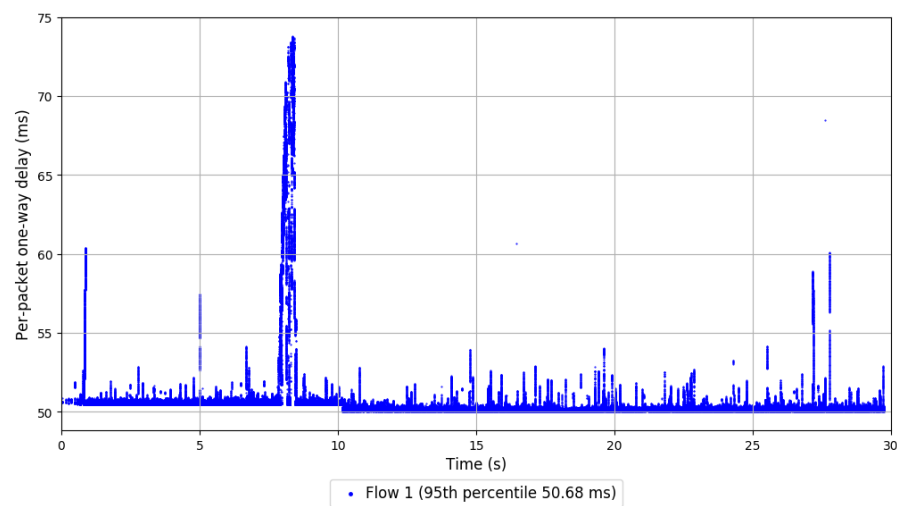
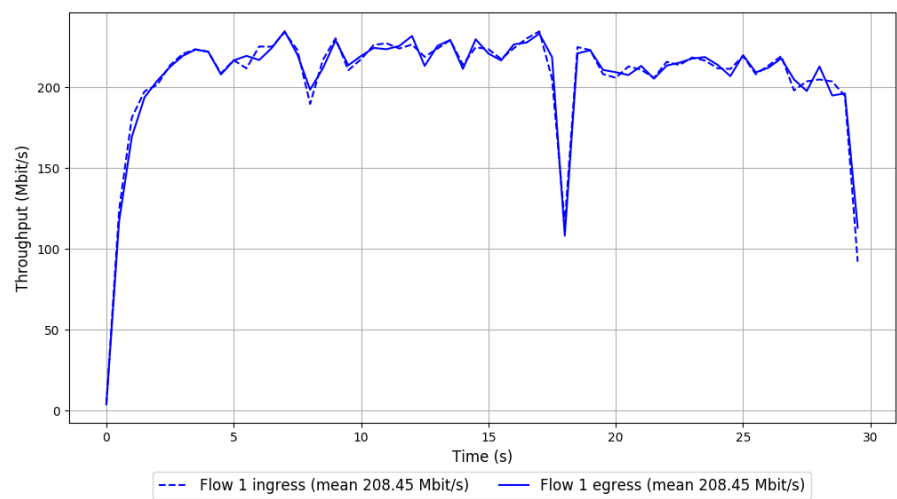
-- Flow 1:

Average throughput: 208.45 Mbit/s

95th percentile per-packet one-way delay: 50.680 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 10:55:32

End at: 2018-02-16 10:56:02

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.38 Mbit/s

95th percentile per-packet one-way delay: 50.576 ms

Loss rate: 0.00%

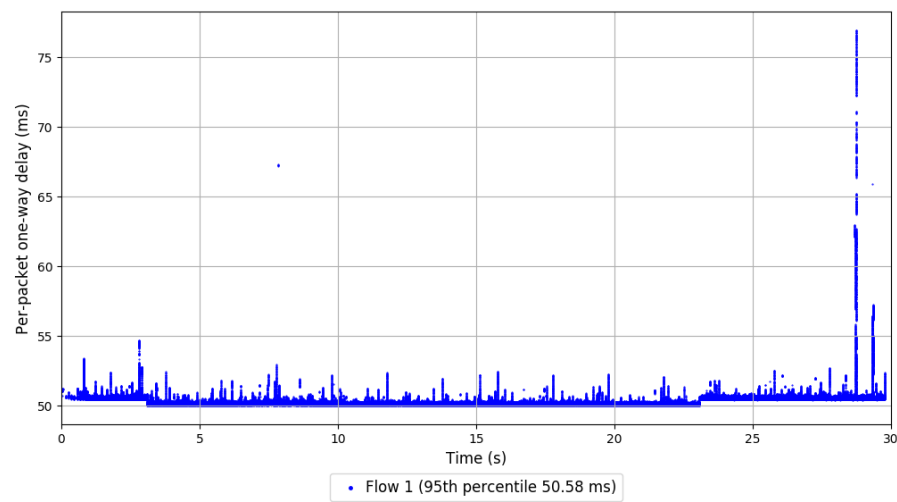
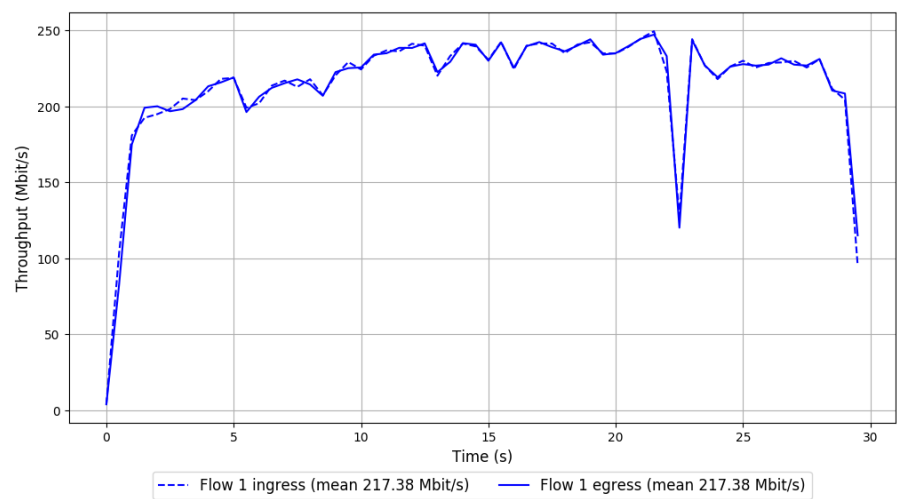
-- Flow 1:

Average throughput: 217.38 Mbit/s

95th percentile per-packet one-way delay: 50.576 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 08:43:19

End at: 2018-02-16 08:43:49

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 410.29 Mbit/s

95th percentile per-packet one-way delay: 51.378 ms

Loss rate: 0.00%

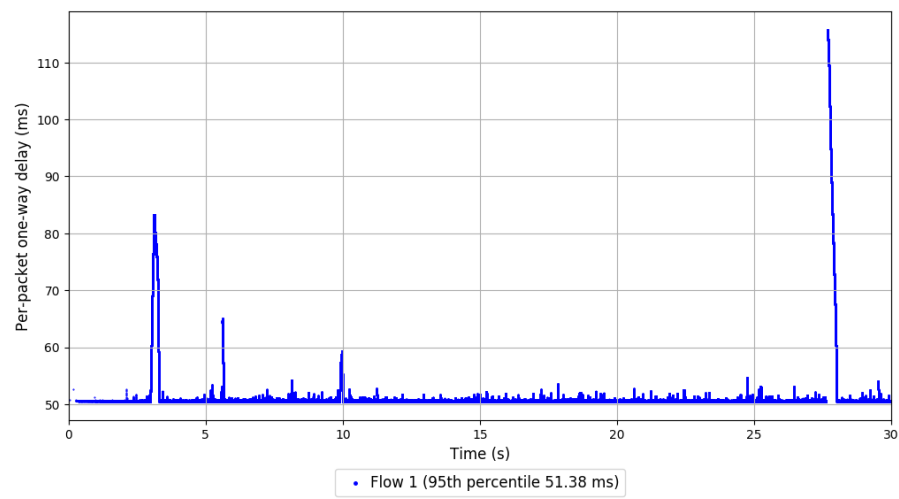
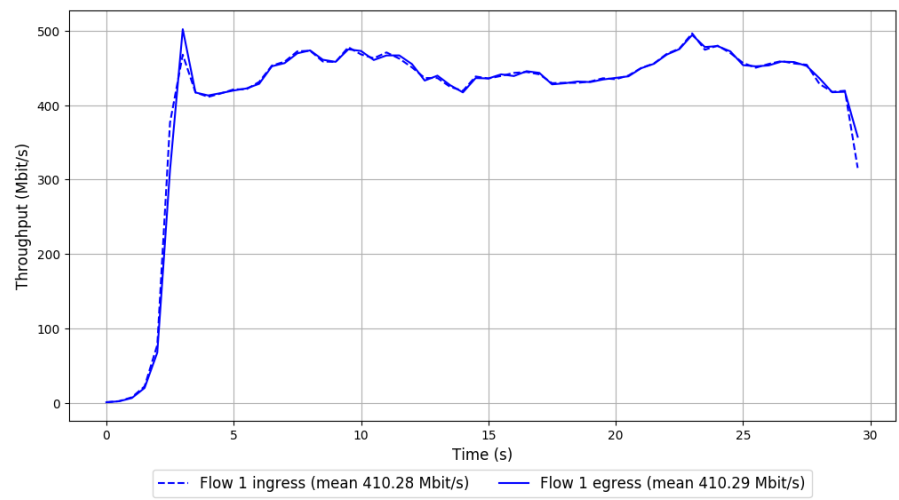
-- Flow 1:

Average throughput: 410.29 Mbit/s

95th percentile per-packet one-way delay: 51.378 ms

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 08:58:11

End at: 2018-02-16 08:58:41

Below is generated by plot.py at 2018-02-16 14:12:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.32 Mbit/s

95th percentile per-packet one-way delay: 59.383 ms

Loss rate: 0.00%

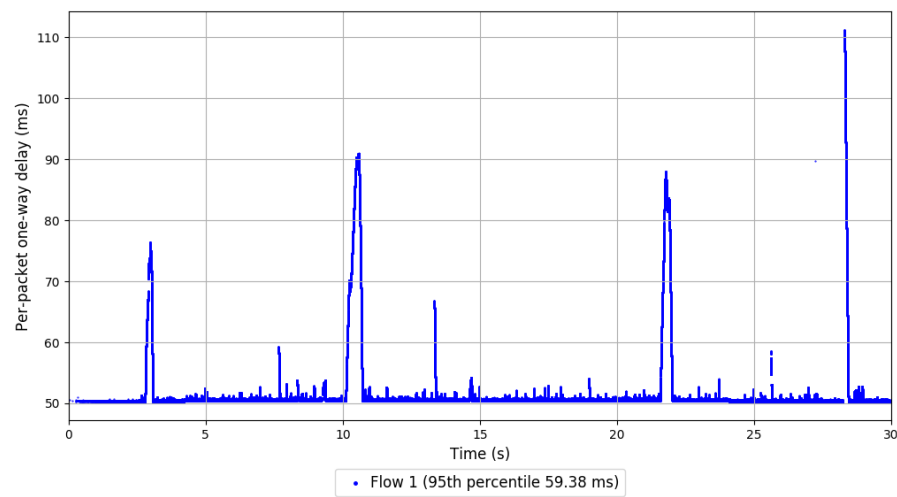
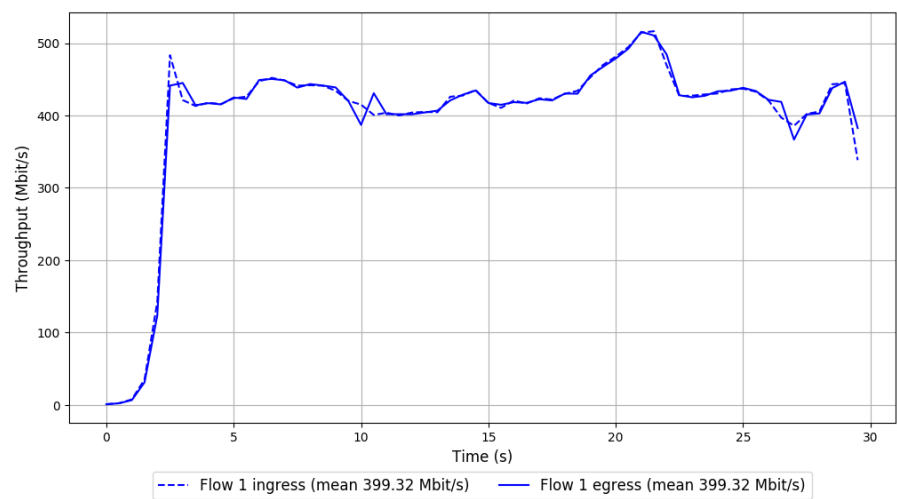
-- Flow 1:

Average throughput: 399.32 Mbit/s

95th percentile per-packet one-way delay: 59.383 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 09:13:05

End at: 2018-02-16 09:13:35

Below is generated by plot.py at 2018-02-16 14:12:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.48 Mbit/s

95th percentile per-packet one-way delay: 56.367 ms

Loss rate: 0.00%

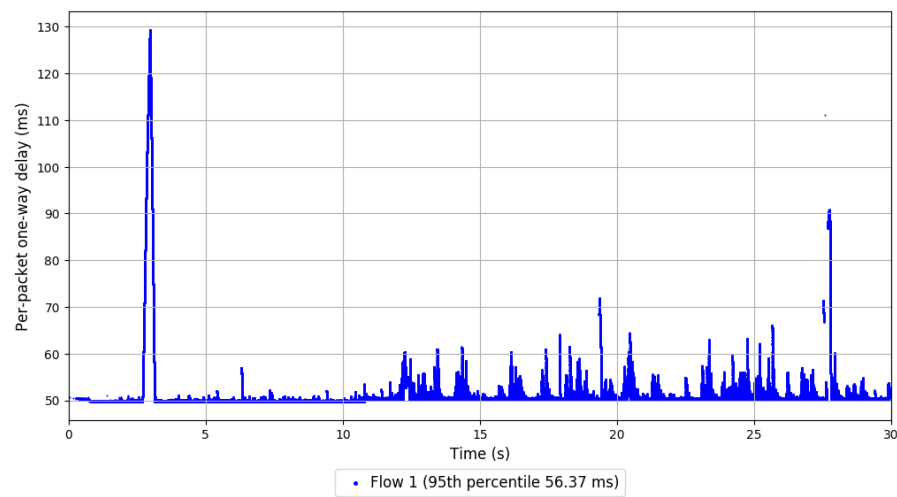
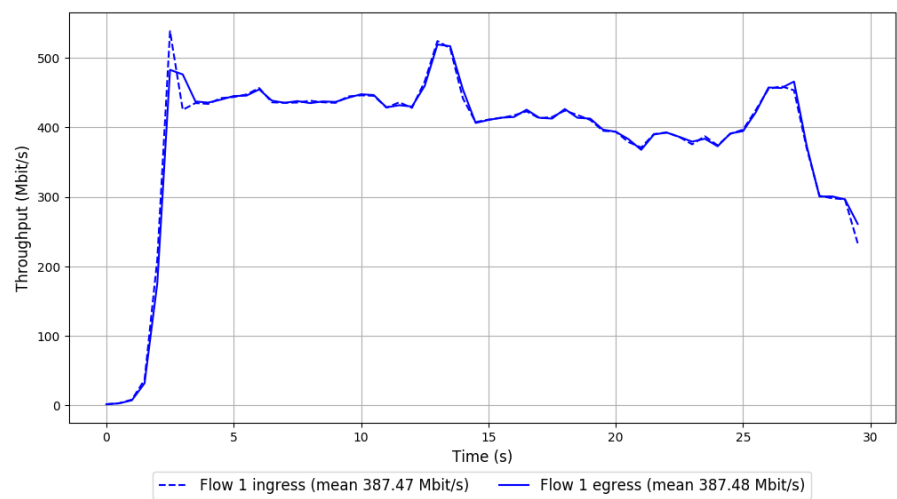
-- Flow 1:

Average throughput: 387.48 Mbit/s

95th percentile per-packet one-way delay: 56.367 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 09:27:46

End at: 2018-02-16 09:28:17

Below is generated by plot.py at 2018-02-16 14:13:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.36 Mbit/s

95th percentile per-packet one-way delay: 51.699 ms

Loss rate: 0.00%

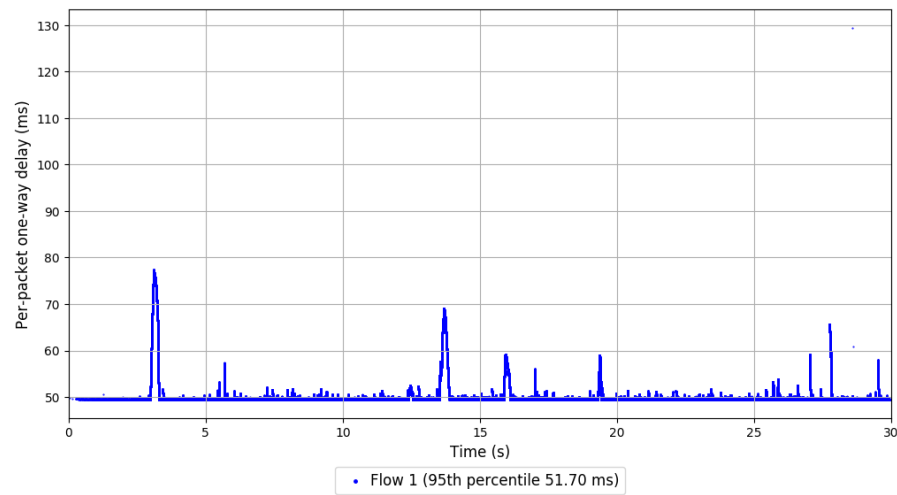
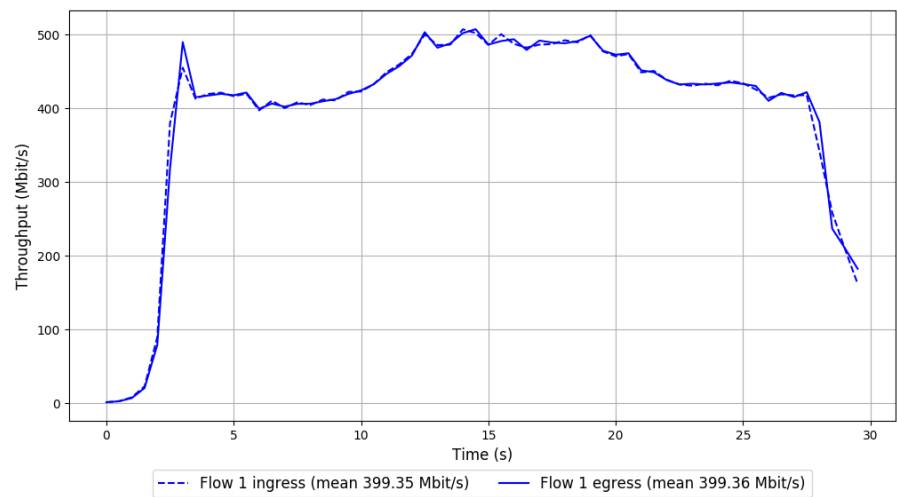
-- Flow 1:

Average throughput: 399.36 Mbit/s

95th percentile per-packet one-way delay: 51.699 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 09:42:39

End at: 2018-02-16 09:43:09

Below is generated by plot.py at 2018-02-16 14:13:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.88 Mbit/s

95th percentile per-packet one-way delay: 49.510 ms

Loss rate: 0.07%

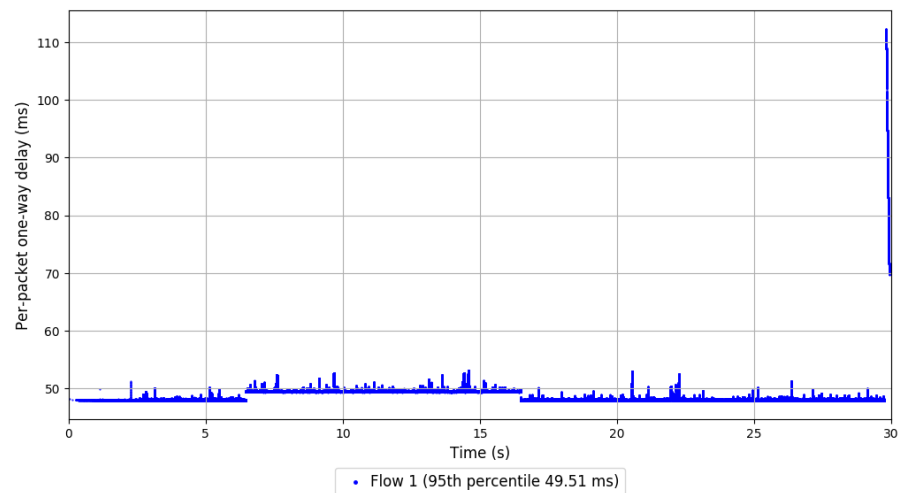
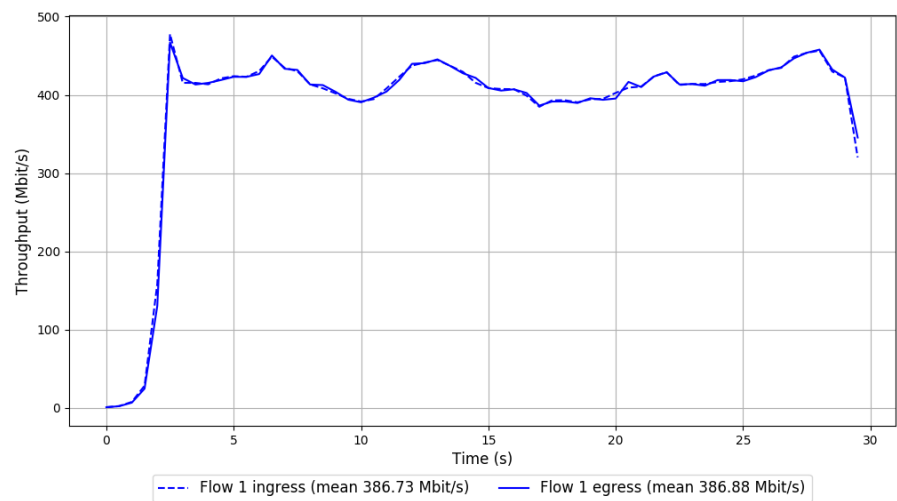
-- Flow 1:

Average throughput: 386.88 Mbit/s

95th percentile per-packet one-way delay: 49.510 ms

Loss rate: 0.07%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 09:57:42

End at: 2018-02-16 09:58:12

Below is generated by plot.py at 2018-02-16 14:14:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 409.12 Mbit/s

95th percentile per-packet one-way delay: 50.369 ms

Loss rate: 0.00%

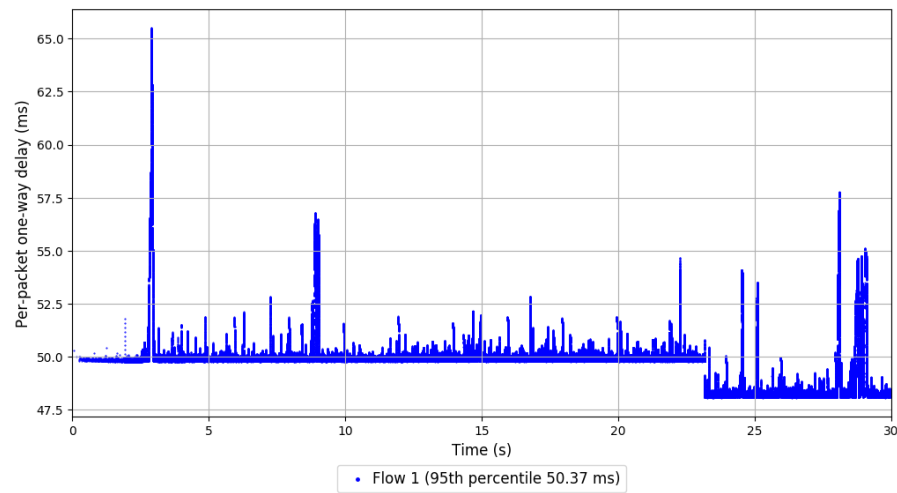
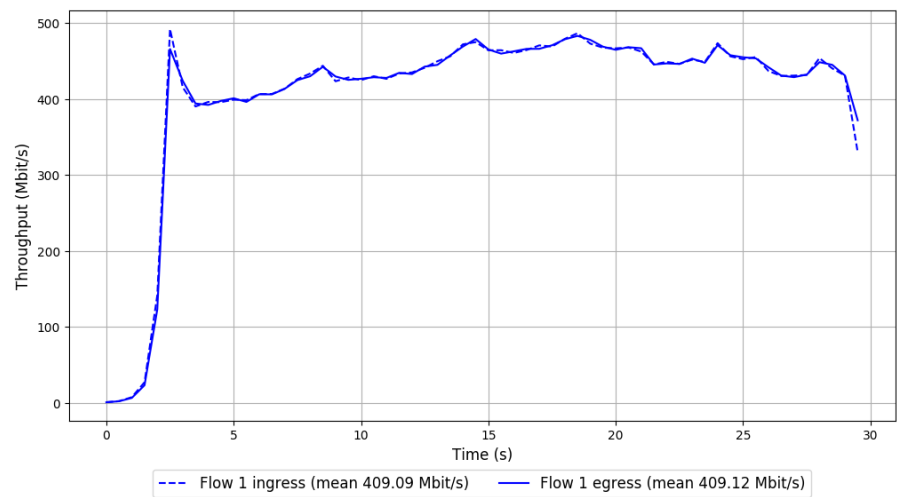
-- Flow 1:

Average throughput: 409.12 Mbit/s

95th percentile per-packet one-way delay: 50.369 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 10:12:27

End at: 2018-02-16 10:12:57

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.31 Mbit/s

95th percentile per-packet one-way delay: 50.159 ms

Loss rate: 0.00%

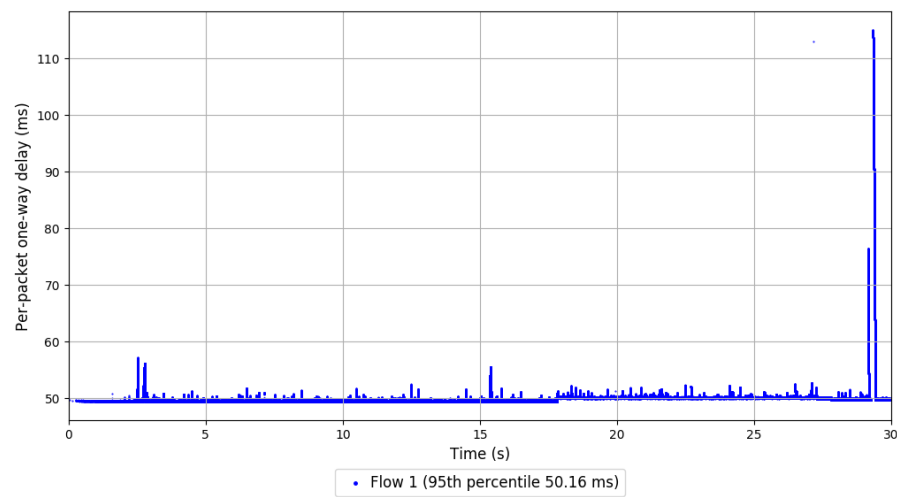
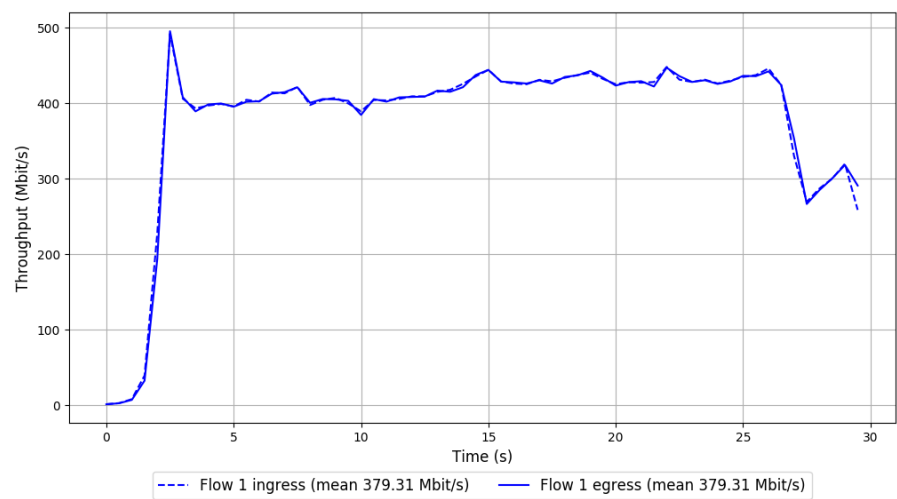
-- Flow 1:

Average throughput: 379.31 Mbit/s

95th percentile per-packet one-way delay: 50.159 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

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

End at: 2018-02-16 10:27:46

Below is generated by plot.py at 2018-02-16 14:18:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.83 Mbit/s

95th percentile per-packet one-way delay: 51.754 ms

Loss rate: 0.00%

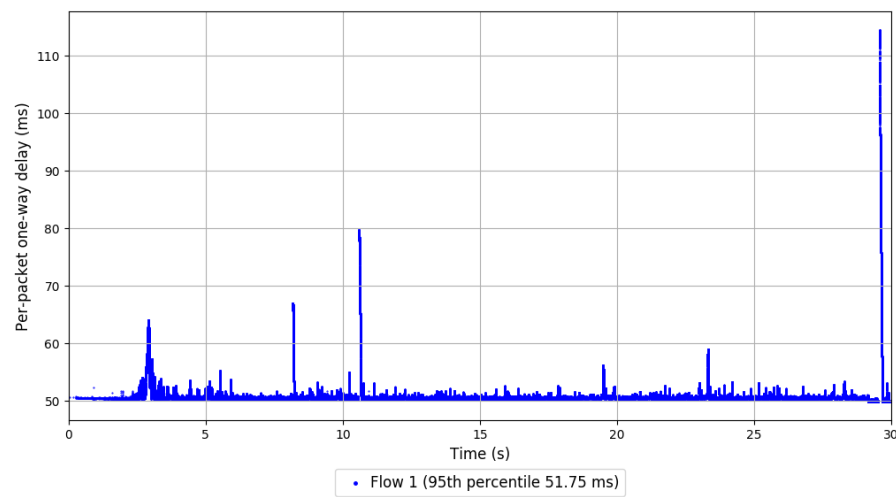
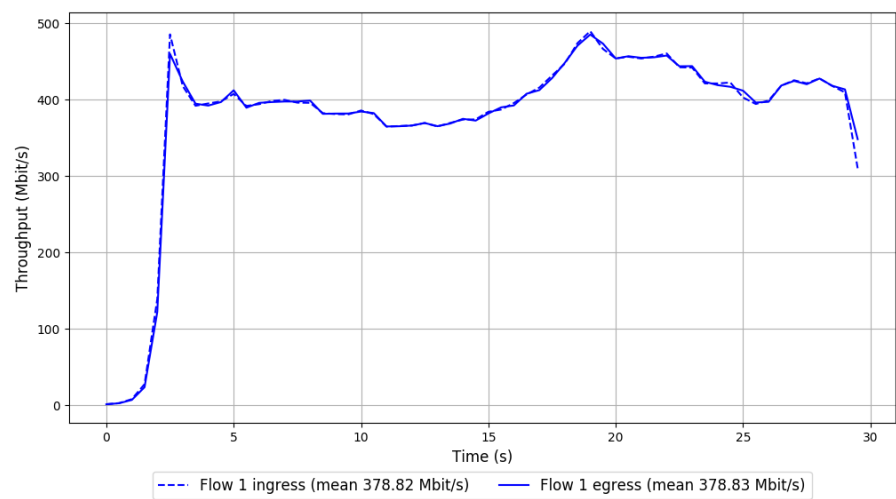
-- Flow 1:

Average throughput: 378.83 Mbit/s

95th percentile per-packet one-way delay: 51.754 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 10:42:06

End at: 2018-02-16 10:42:36

Below is generated by plot.py at 2018-02-16 14:20:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 409.88 Mbit/s

95th percentile per-packet one-way delay: 49.352 ms

Loss rate: 0.00%

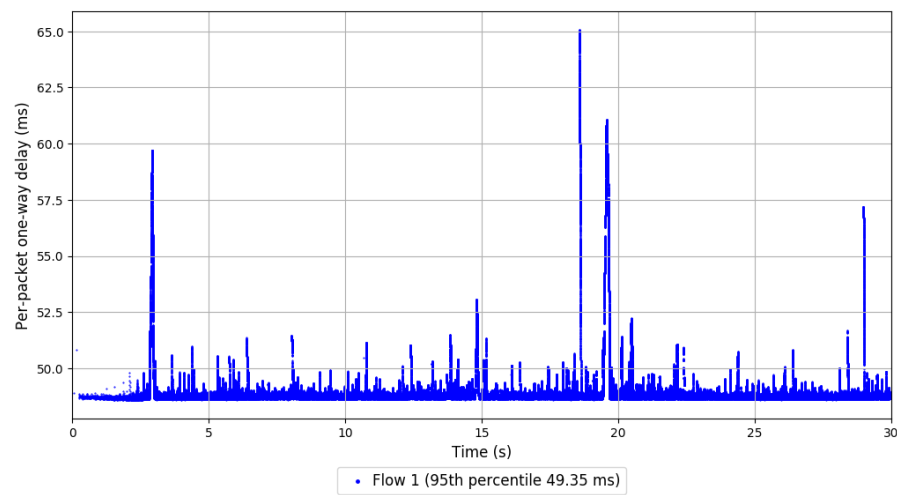
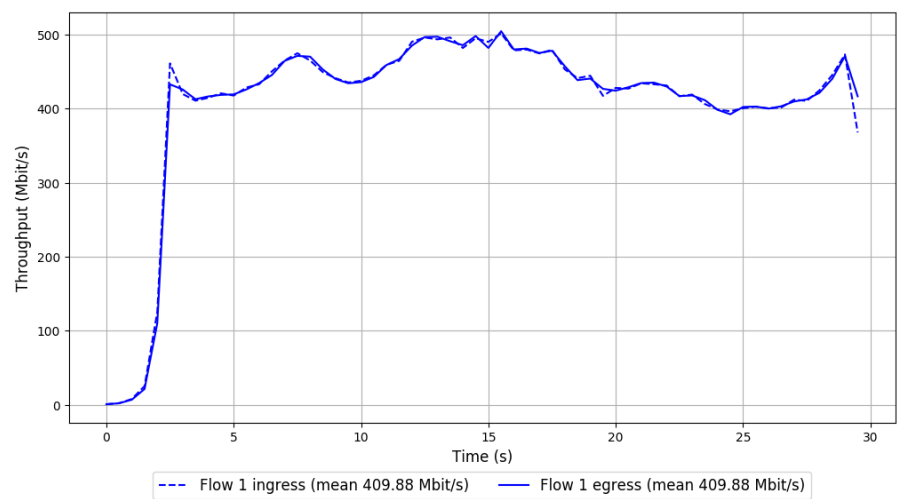
-- Flow 1:

Average throughput: 409.88 Mbit/s

95th percentile per-packet one-way delay: 49.352 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 10:57:02

End at: 2018-02-16 10:57:32

Below is generated by plot.py at 2018-02-16 14:21:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 422.78 Mbit/s

95th percentile per-packet one-way delay: 51.162 ms

Loss rate: 0.00%

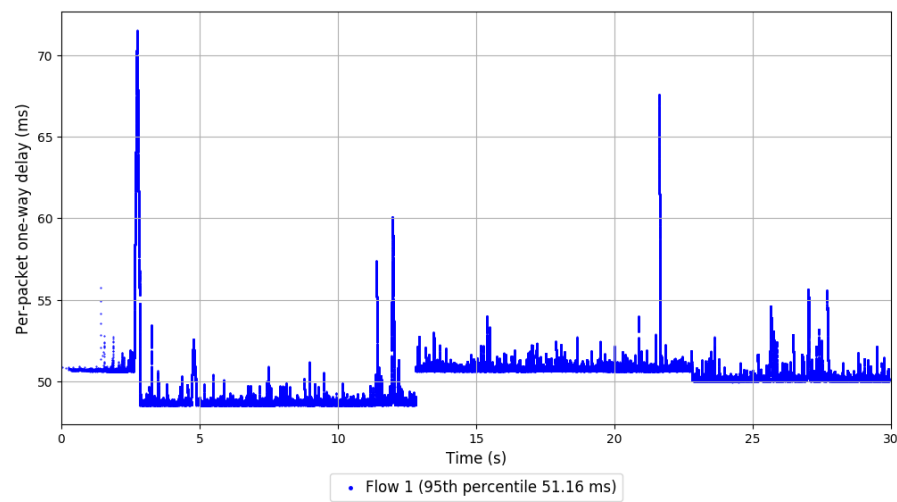
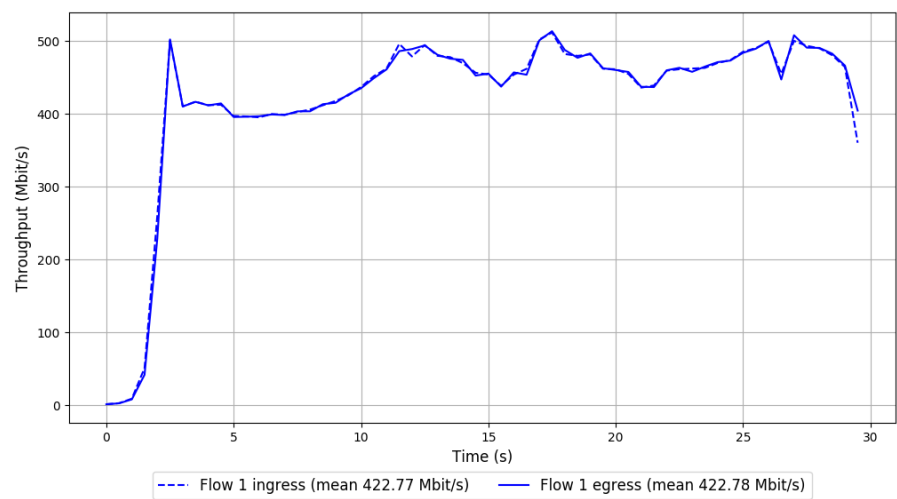
-- Flow 1:

Average throughput: 422.78 Mbit/s

95th percentile per-packet one-way delay: 51.162 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

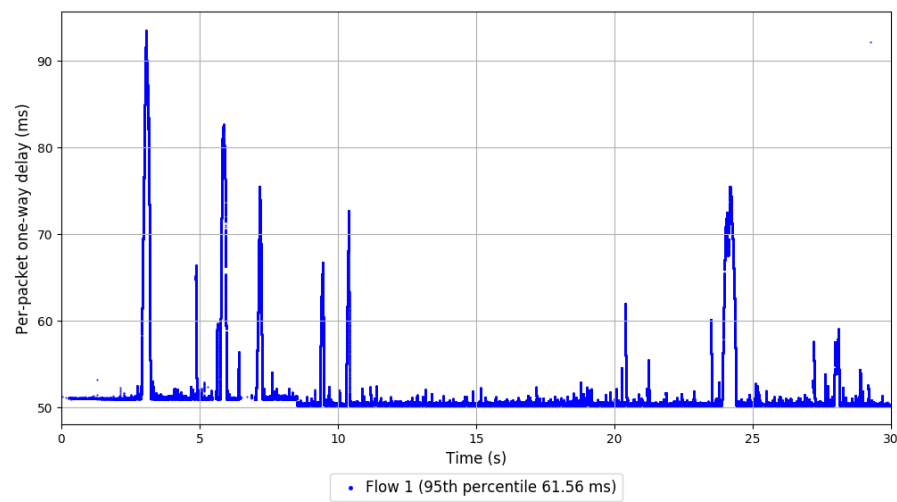
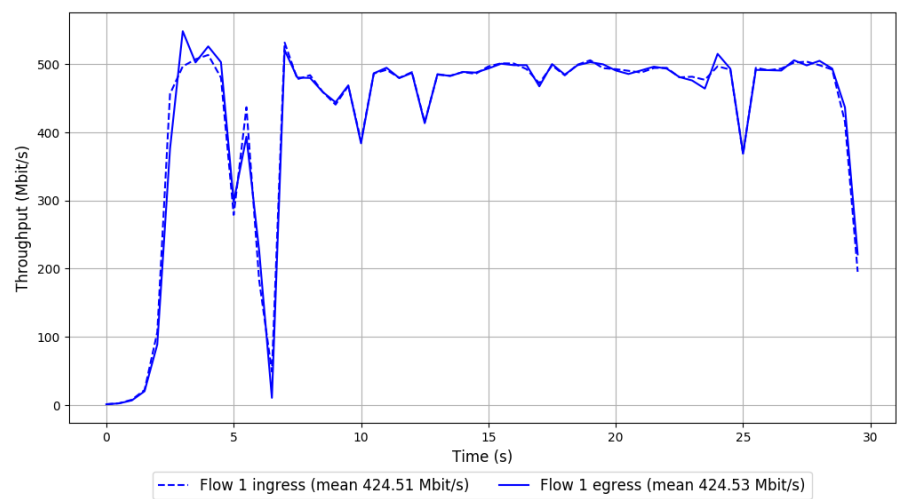


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 08:34:37
End at: 2018-02-16 08:35:07

# Below is generated by plot.py at 2018-02-16 14:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 424.53 Mbit/s
95th percentile per-packet one-way delay: 61.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 424.53 Mbit/s
95th percentile per-packet one-way delay: 61.560 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 08:49:06

End at: 2018-02-16 08:49:36

Below is generated by plot.py at 2018-02-16 14:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 443.51 Mbit/s

95th percentile per-packet one-way delay: 51.511 ms

Loss rate: 0.00%

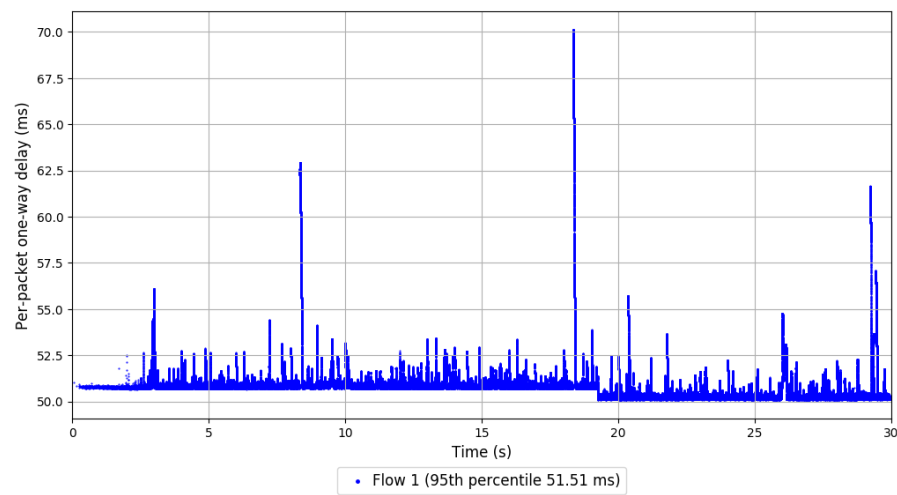
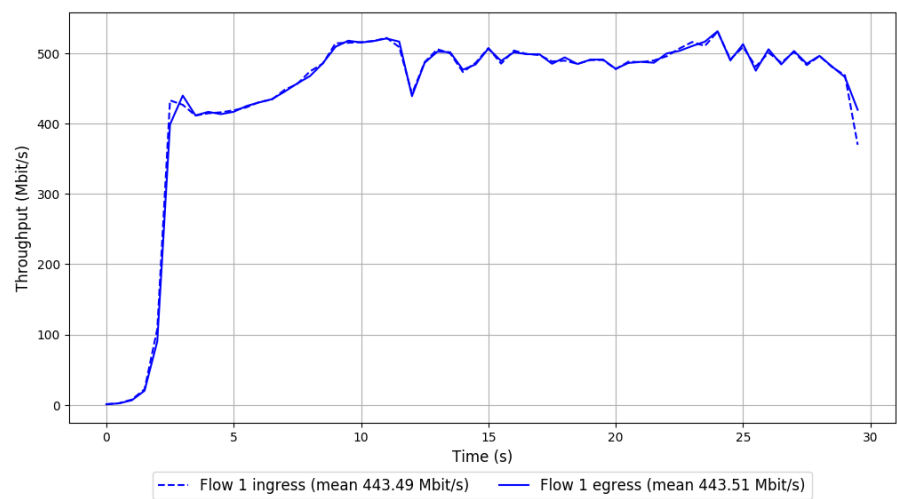
-- Flow 1:

Average throughput: 443.51 Mbit/s

95th percentile per-packet one-way delay: 51.511 ms

Loss rate: 0.00%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 09:03:57

End at: 2018-02-16 09:04:27

Below is generated by plot.py at 2018-02-16 14:22:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.98 Mbit/s

95th percentile per-packet one-way delay: 62.423 ms

Loss rate: 0.01%

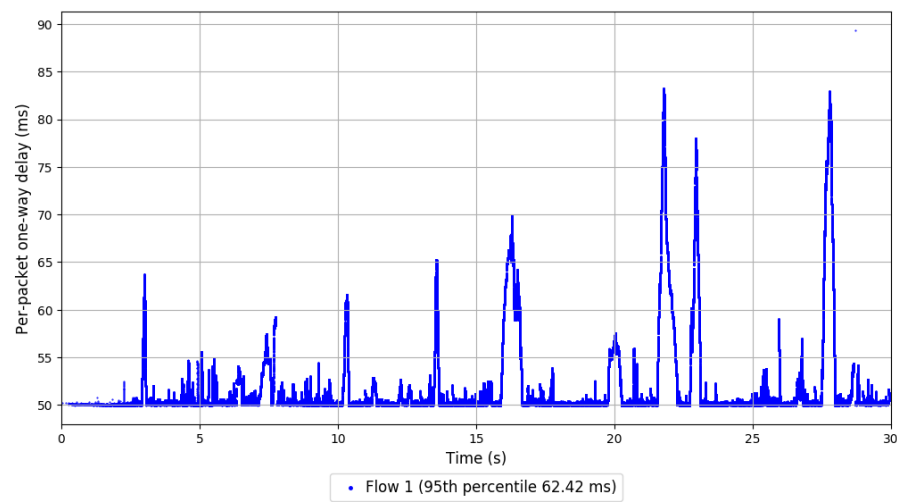
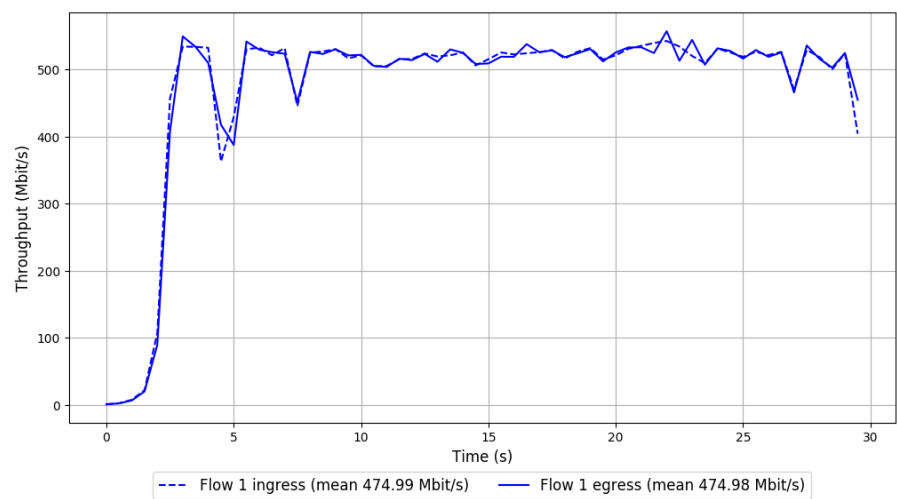
-- Flow 1:

Average throughput: 474.98 Mbit/s

95th percentile per-packet one-way delay: 62.423 ms

Loss rate: 0.01%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 09:18:48

End at: 2018-02-16 09:19:18

Below is generated by plot.py at 2018-02-16 14:22:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.84 Mbit/s

95th percentile per-packet one-way delay: 50.367 ms

Loss rate: 0.00%

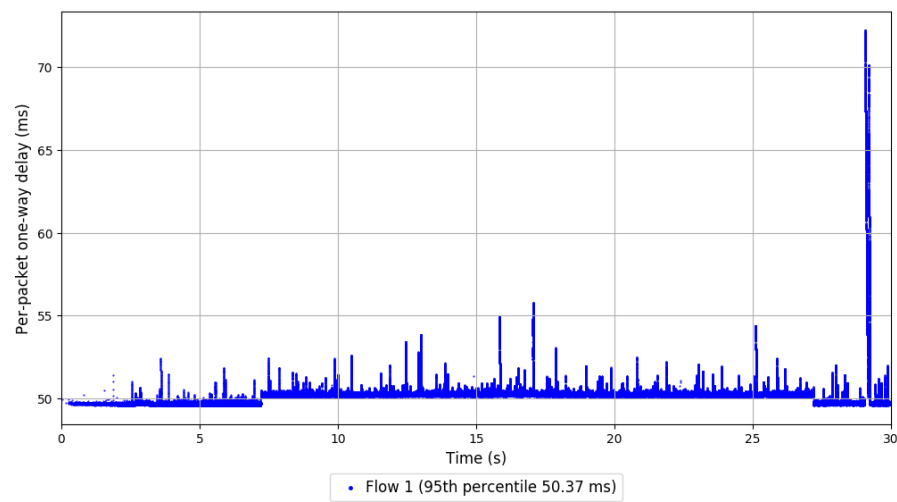
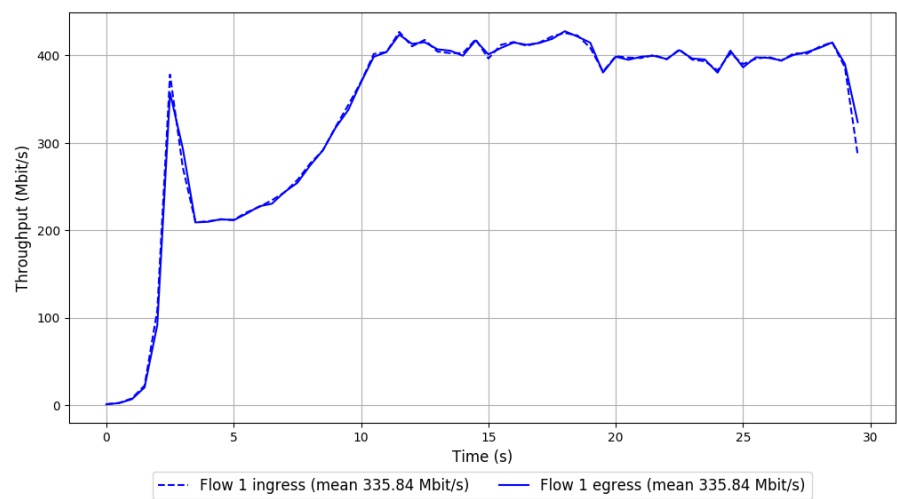
-- Flow 1:

Average throughput: 335.84 Mbit/s

95th percentile per-packet one-way delay: 50.367 ms

Loss rate: 0.00%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 09:33:33

End at: 2018-02-16 09:34:03

Below is generated by plot.py at 2018-02-16 14:22:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 439.57 Mbit/s

95th percentile per-packet one-way delay: 50.812 ms

Loss rate: 0.00%

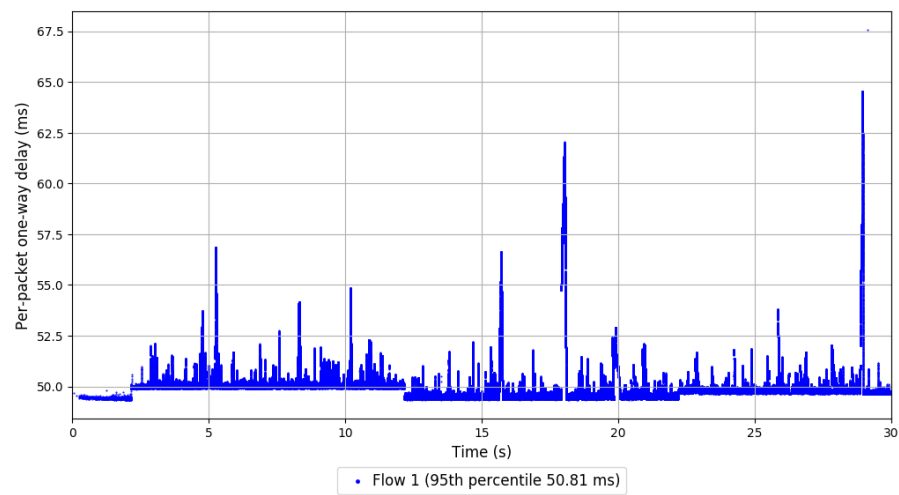
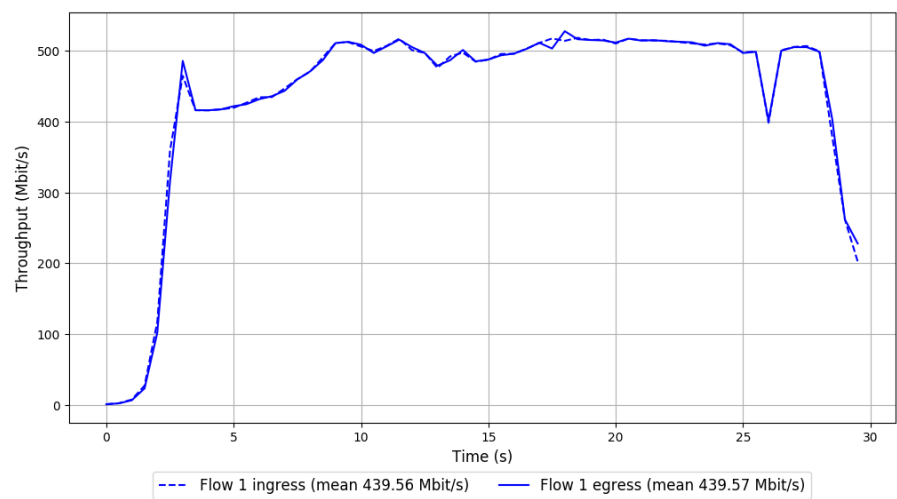
-- Flow 1:

Average throughput: 439.57 Mbit/s

95th percentile per-packet one-way delay: 50.812 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 09:48:24

End at: 2018-02-16 09:48:54

Below is generated by plot.py at 2018-02-16 14:27:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 439.04 Mbit/s

95th percentile per-packet one-way delay: 51.200 ms

Loss rate: 0.00%

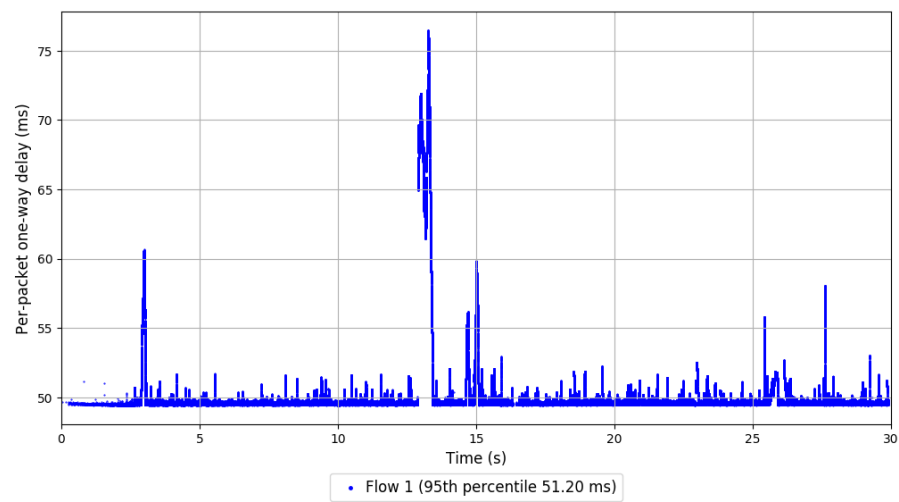
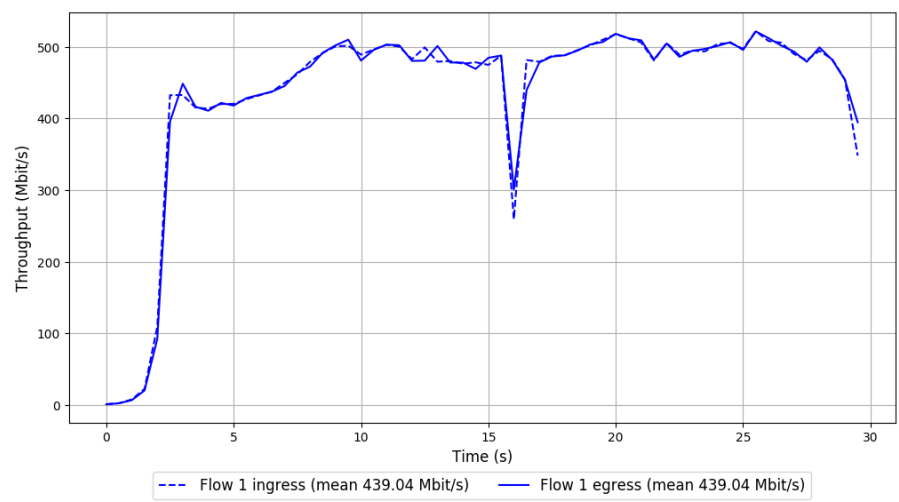
-- Flow 1:

Average throughput: 439.04 Mbit/s

95th percentile per-packet one-way delay: 51.200 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 10:03:29

End at: 2018-02-16 10:03:59

Below is generated by plot.py at 2018-02-16 14:27:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.23 Mbit/s

95th percentile per-packet one-way delay: 103.299 ms

Loss rate: 0.01%

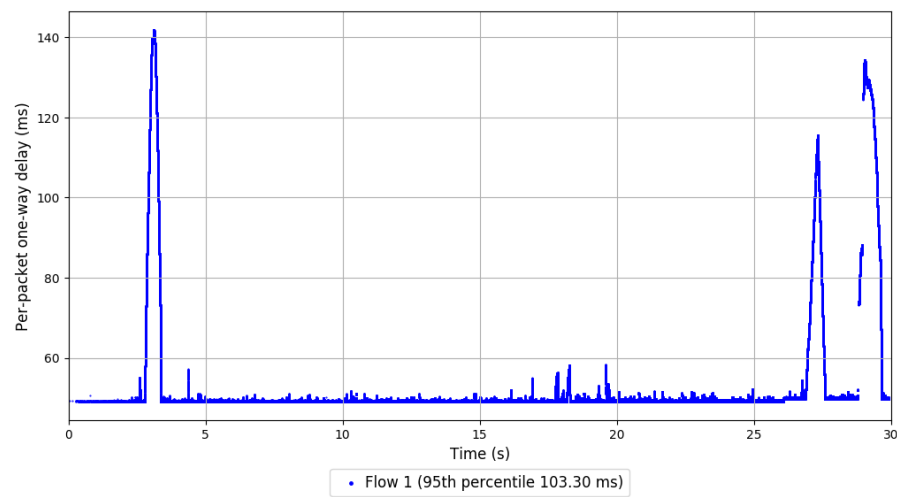
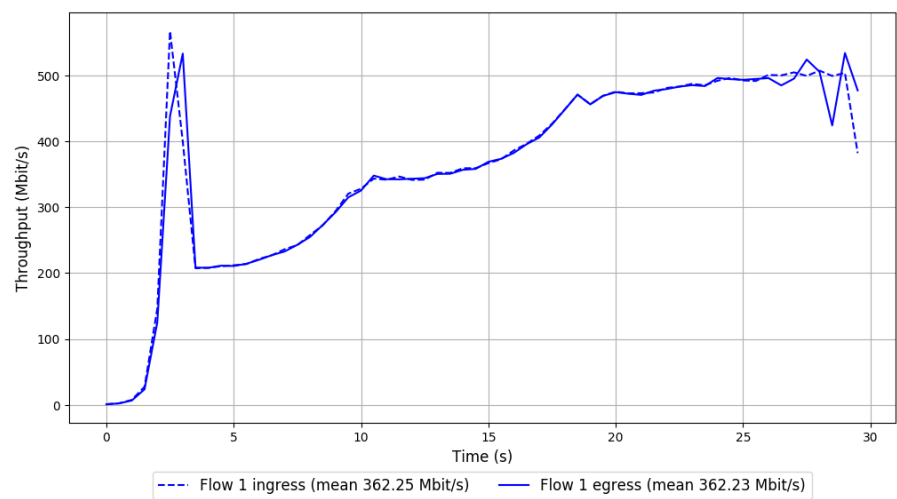
-- Flow 1:

Average throughput: 362.23 Mbit/s

95th percentile per-packet one-way delay: 103.299 ms

Loss rate: 0.01%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 10:18:09

End at: 2018-02-16 10:18:39

Below is generated by plot.py at 2018-02-16 14:29:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 449.33 Mbit/s

95th percentile per-packet one-way delay: 57.371 ms

Loss rate: 0.01%

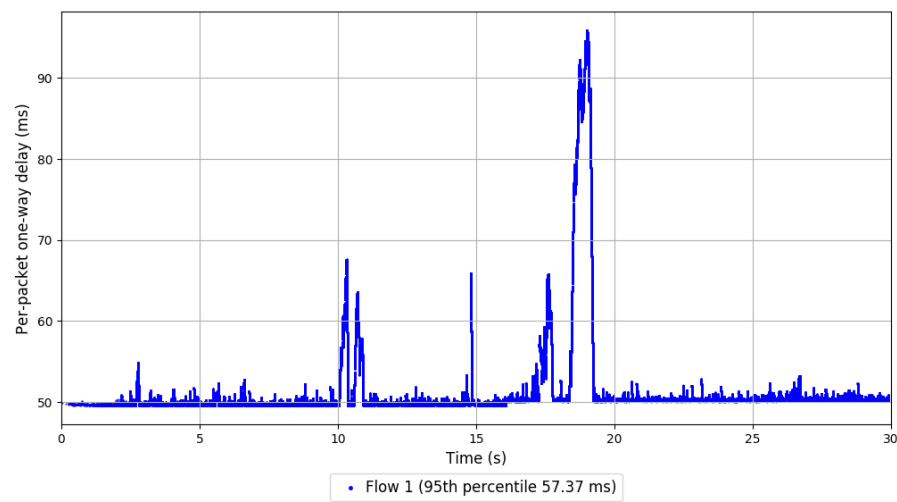
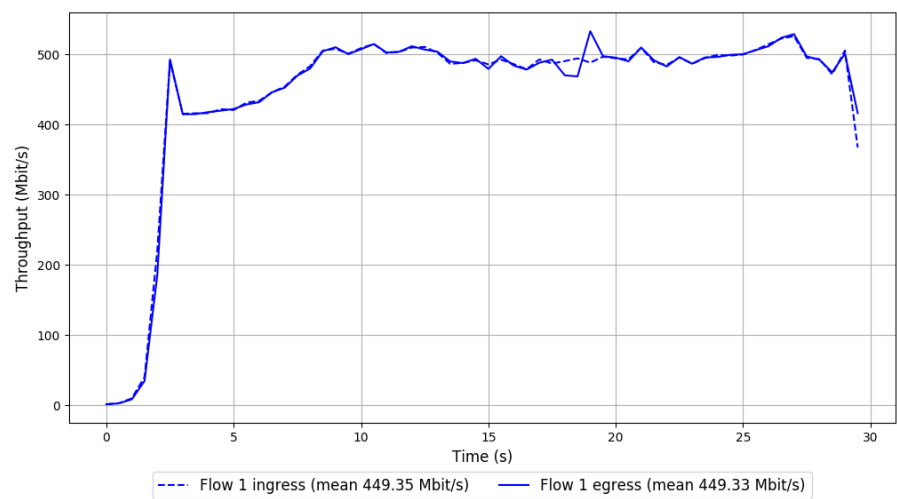
-- Flow 1:

Average throughput: 449.33 Mbit/s

95th percentile per-packet one-way delay: 57.371 ms

Loss rate: 0.01%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 10:32:58

End at: 2018-02-16 10:33:28

Below is generated by plot.py at 2018-02-16 14:29:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 423.26 Mbit/s

95th percentile per-packet one-way delay: 51.158 ms

Loss rate: 0.00%

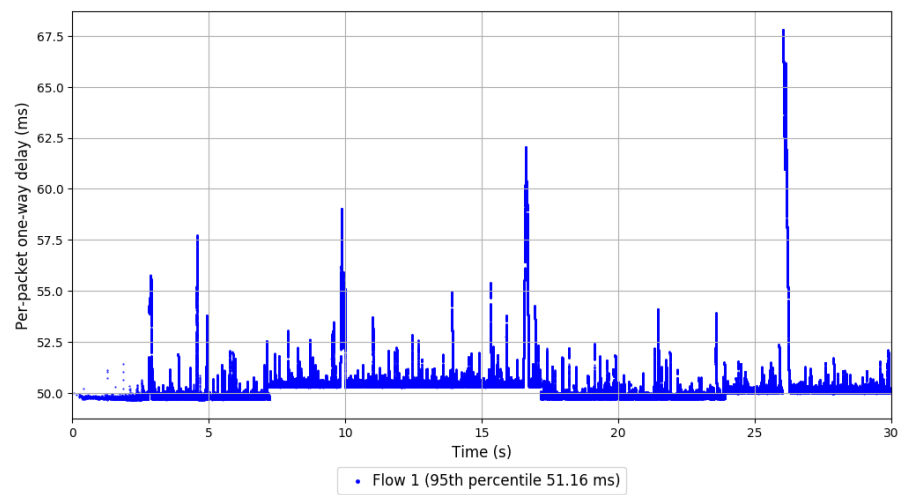
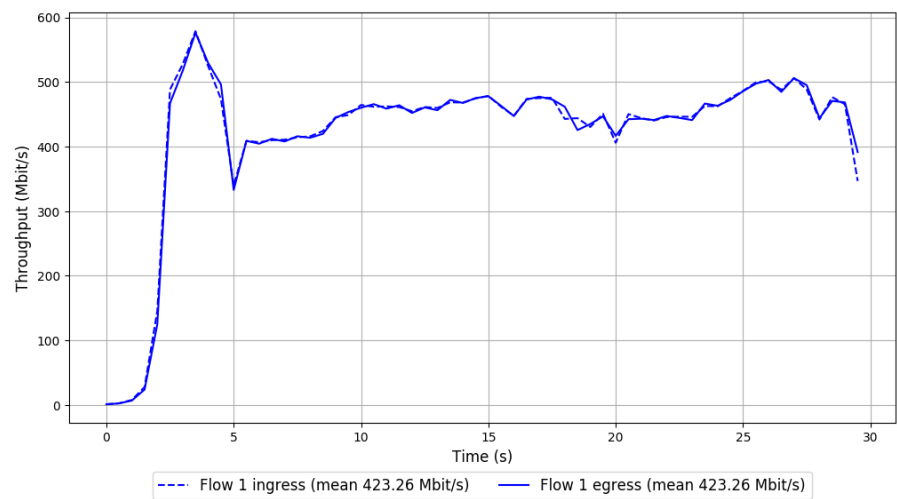
-- Flow 1:

Average throughput: 423.26 Mbit/s

95th percentile per-packet one-way delay: 51.158 ms

Loss rate: 0.00%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 10:47:51

End at: 2018-02-16 10:48:21

Below is generated by plot.py at 2018-02-16 14:29:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.70 Mbit/s

95th percentile per-packet one-way delay: 57.637 ms

Loss rate: 0.81%

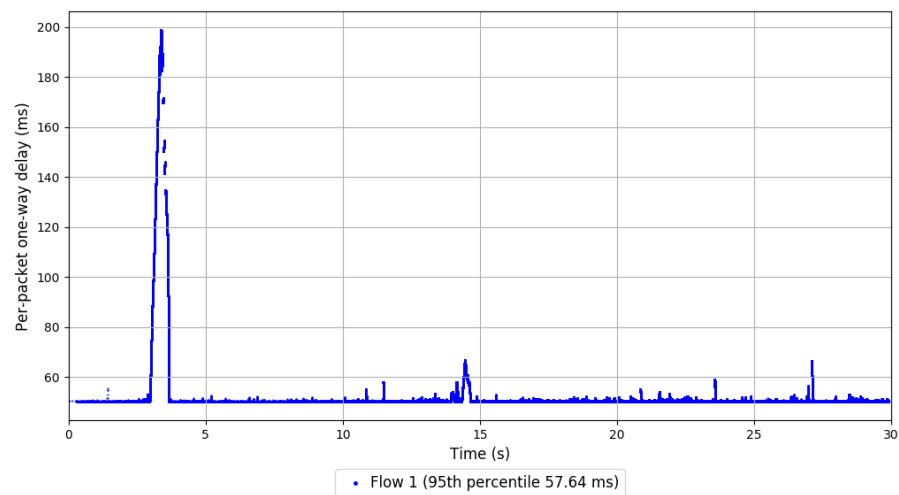
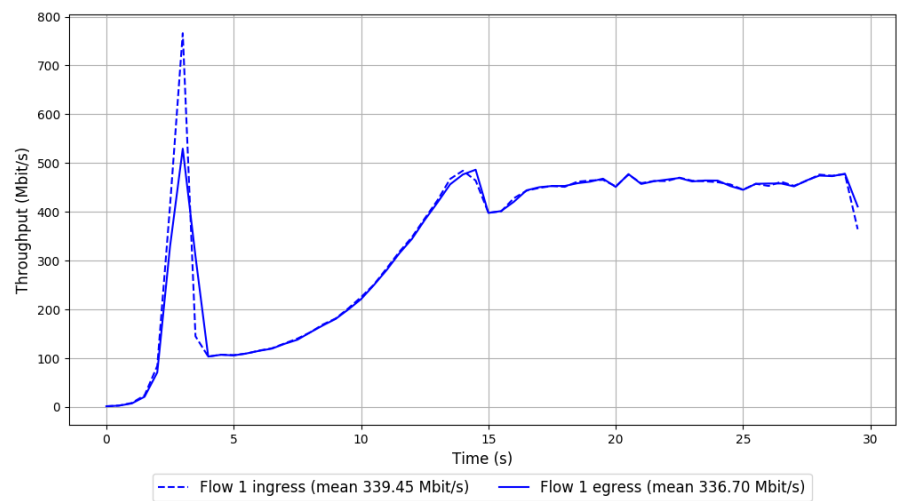
-- Flow 1:

Average throughput: 336.70 Mbit/s

95th percentile per-packet one-way delay: 57.637 ms

Loss rate: 0.81%

Run 10: Report of Vivace-loss — Data Link

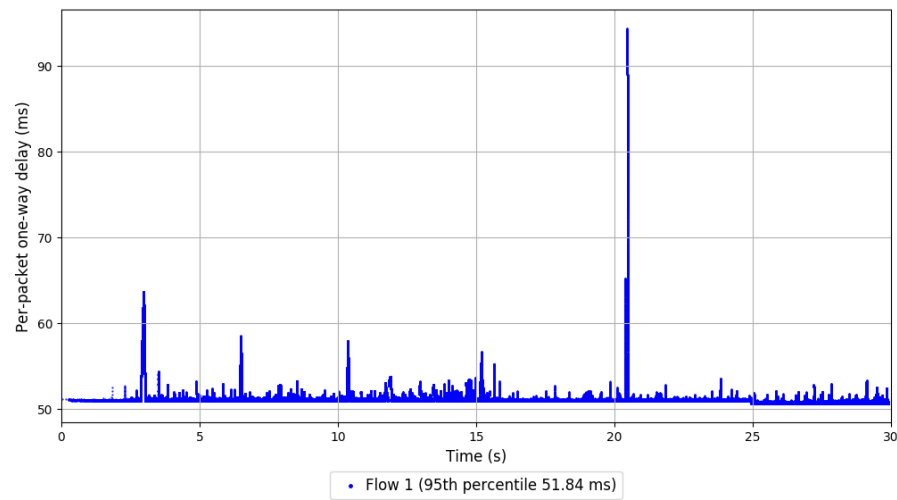
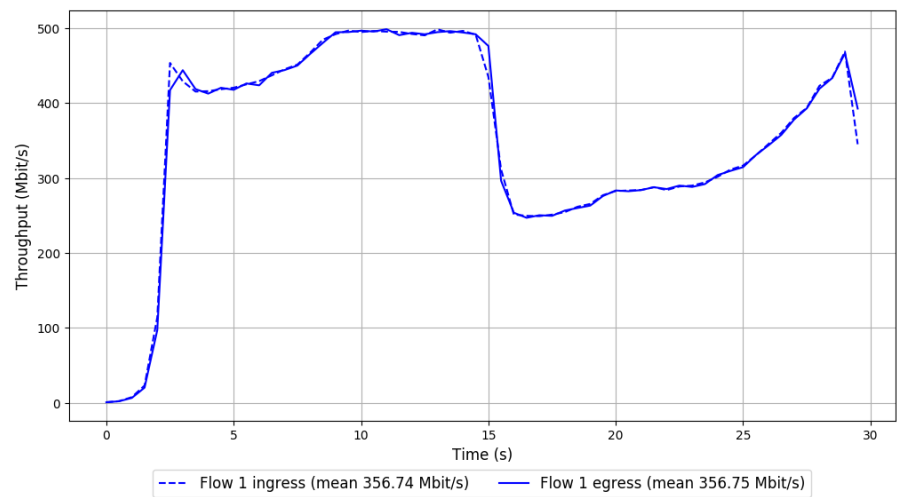


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 08:32:50
End at: 2018-02-16 08:33:20

# Below is generated by plot.py at 2018-02-16 14:29:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.75 Mbit/s
95th percentile per-packet one-way delay: 51.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 356.75 Mbit/s
95th percentile per-packet one-way delay: 51.837 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 08:47:14

End at: 2018-02-16 08:47:44

Below is generated by plot.py at 2018-02-16 14:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.41 Mbit/s

95th percentile per-packet one-way delay: 51.149 ms

Loss rate: 0.00%

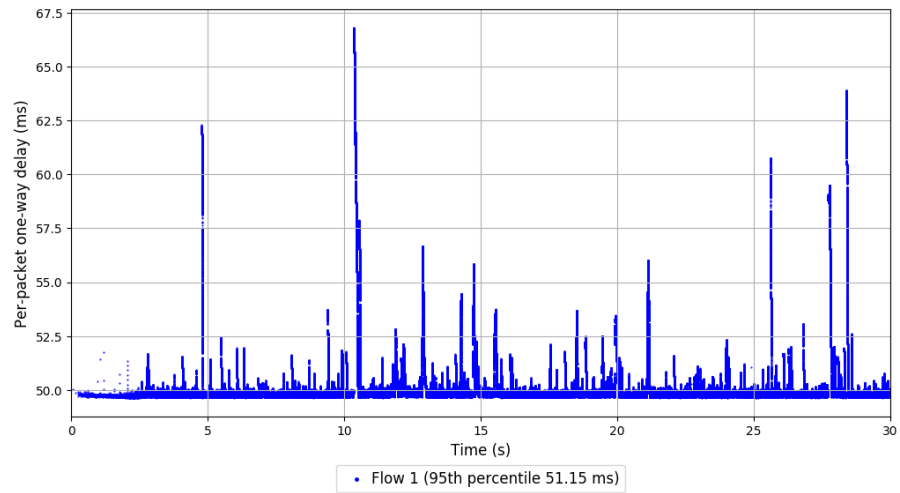
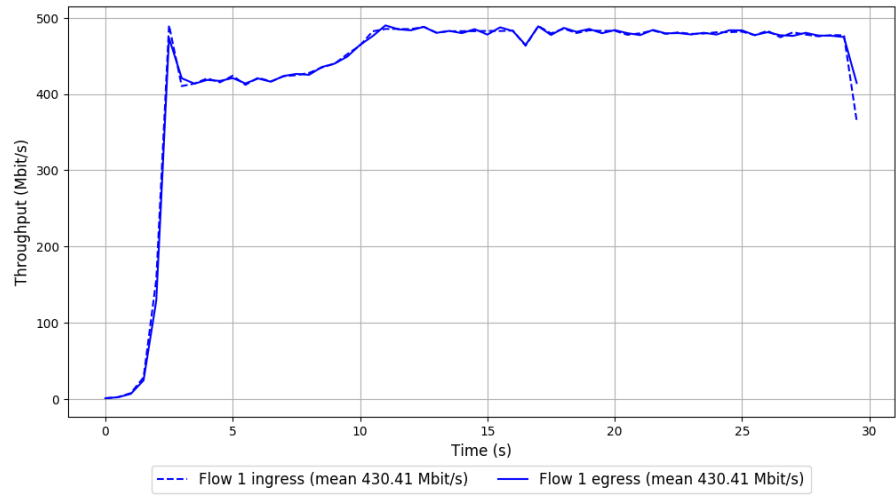
-- Flow 1:

Average throughput: 430.41 Mbit/s

95th percentile per-packet one-way delay: 51.149 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

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

End at: 2018-02-16 09:02:33

Below is generated by plot.py at 2018-02-16 14:31:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 459.80 Mbit/s

95th percentile per-packet one-way delay: 54.526 ms

Loss rate: 0.00%

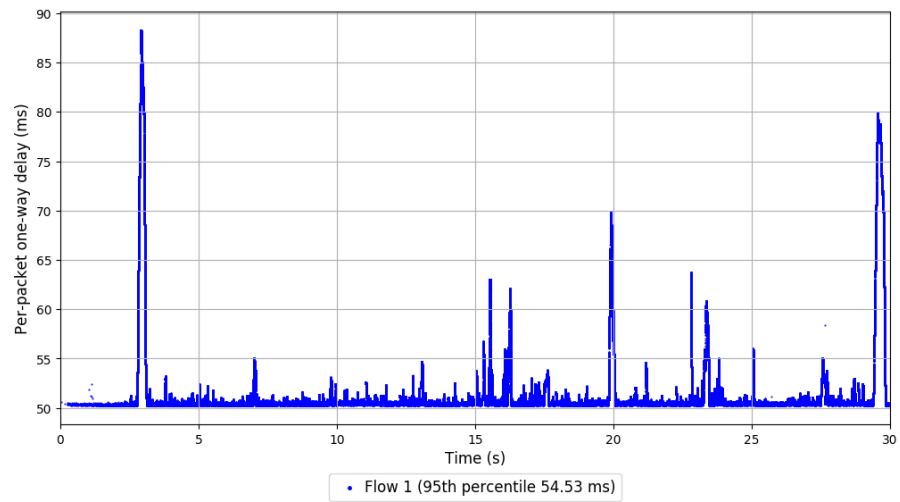
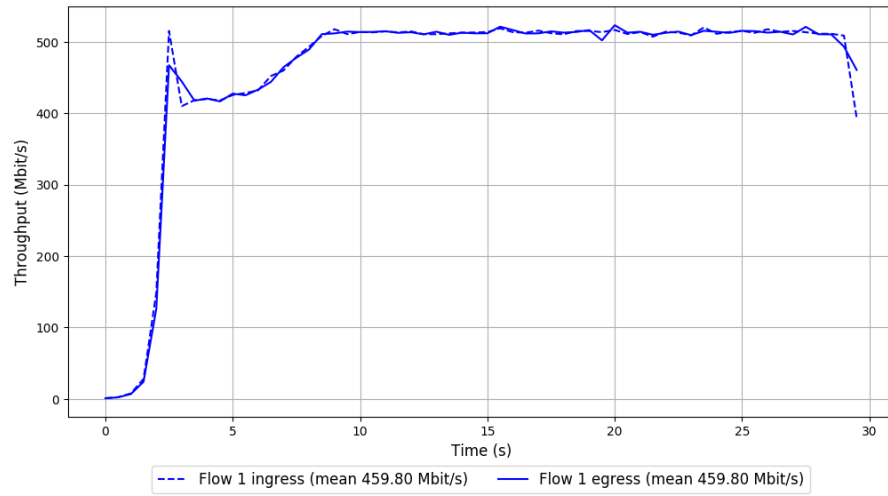
-- Flow 1:

Average throughput: 459.80 Mbit/s

95th percentile per-packet one-way delay: 54.526 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 09:16:56

End at: 2018-02-16 09:17:26

Below is generated by plot.py at 2018-02-16 14:35:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 432.73 Mbit/s

95th percentile per-packet one-way delay: 67.188 ms

Loss rate: 0.00%

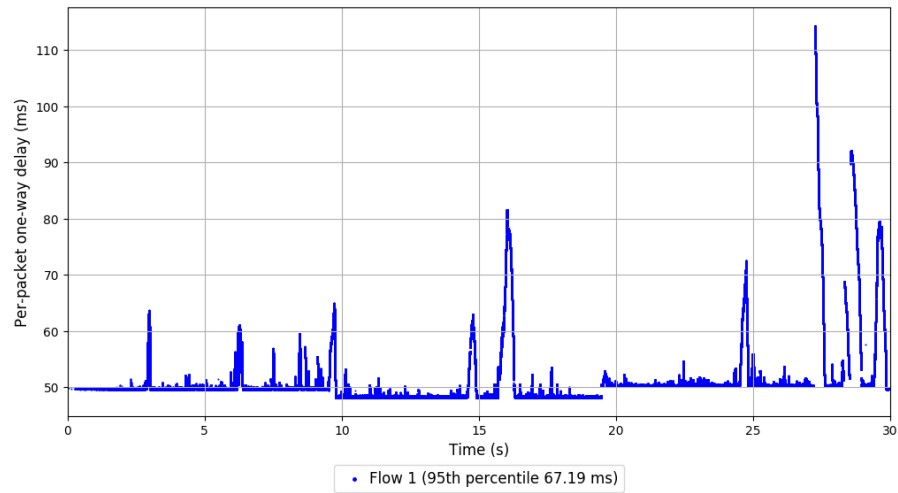
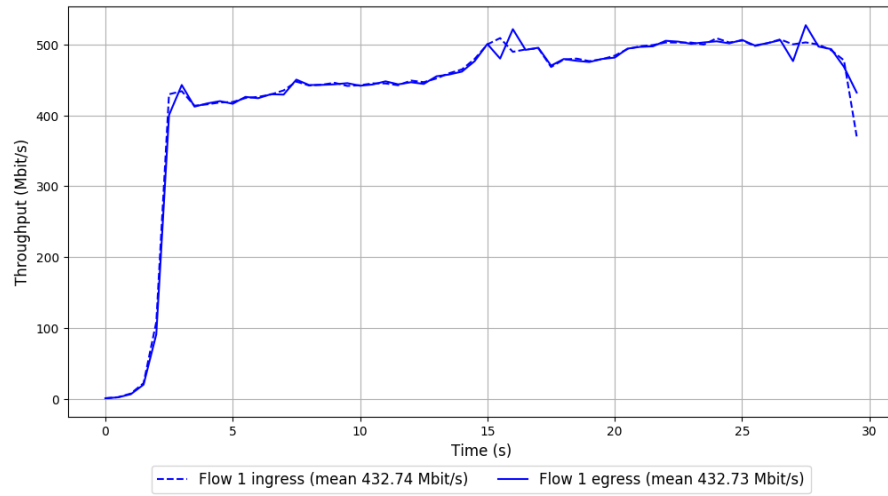
-- Flow 1:

Average throughput: 432.73 Mbit/s

95th percentile per-packet one-way delay: 67.188 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 09:31:39

End at: 2018-02-16 09:32:09

Below is generated by plot.py at 2018-02-16 14:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.17 Mbit/s

95th percentile per-packet one-way delay: 65.375 ms

Loss rate: 0.01%

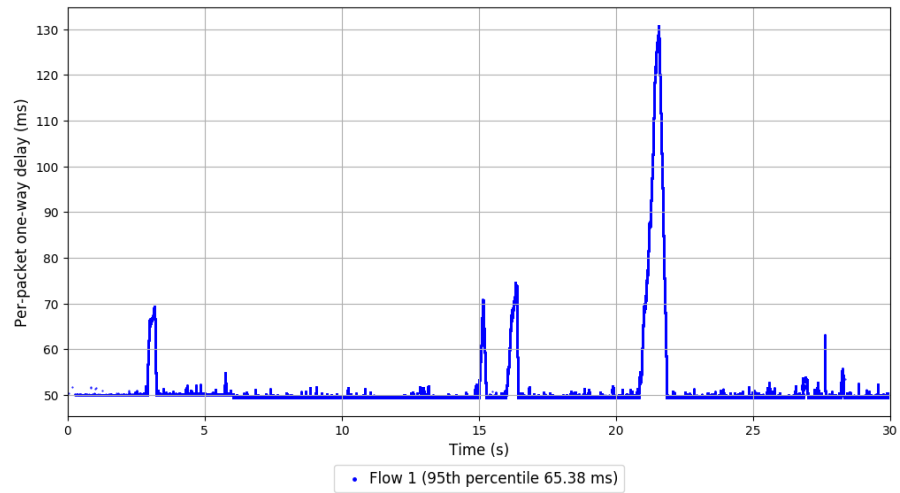
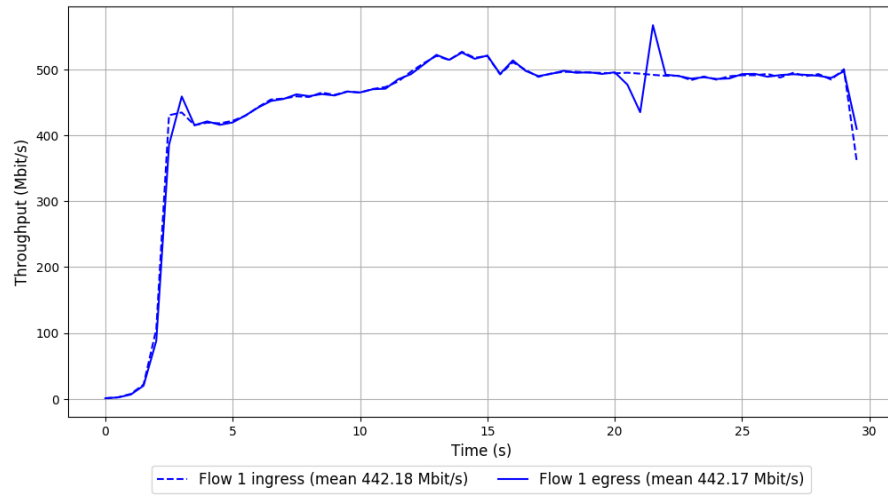
-- Flow 1:

Average throughput: 442.17 Mbit/s

95th percentile per-packet one-way delay: 65.375 ms

Loss rate: 0.01%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 09:46:32

End at: 2018-02-16 09:47:02

Below is generated by plot.py at 2018-02-16 14:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.62 Mbit/s

95th percentile per-packet one-way delay: 57.813 ms

Loss rate: 0.00%

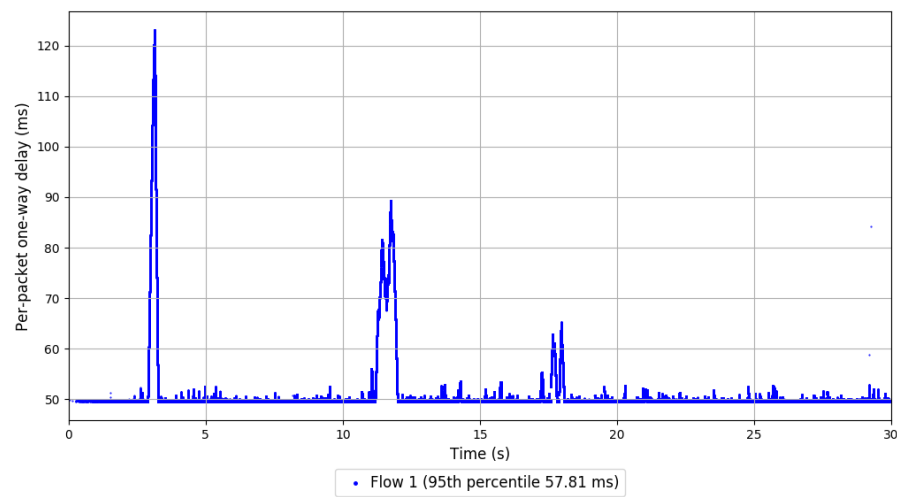
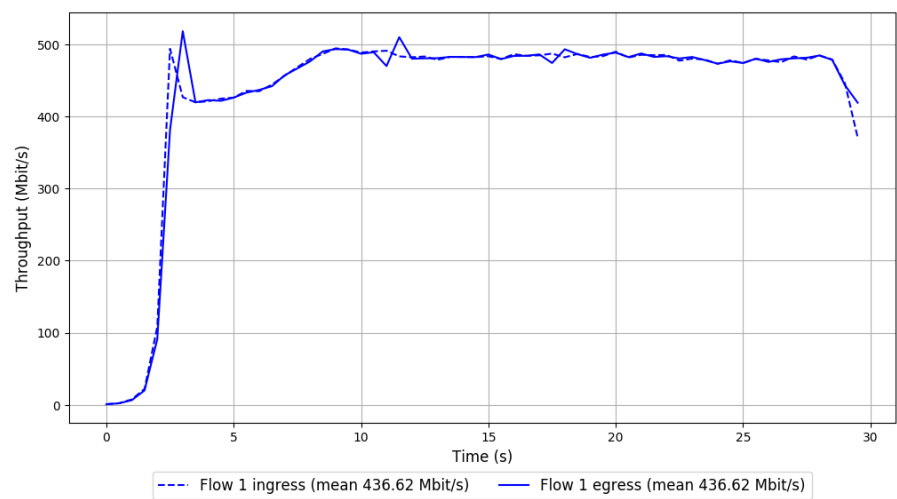
-- Flow 1:

Average throughput: 436.62 Mbit/s

95th percentile per-packet one-way delay: 57.813 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 10:01:35

End at: 2018-02-16 10:02:05

Below is generated by plot.py at 2018-02-16 14:36:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 438.27 Mbit/s

95th percentile per-packet one-way delay: 51.149 ms

Loss rate: 0.04%

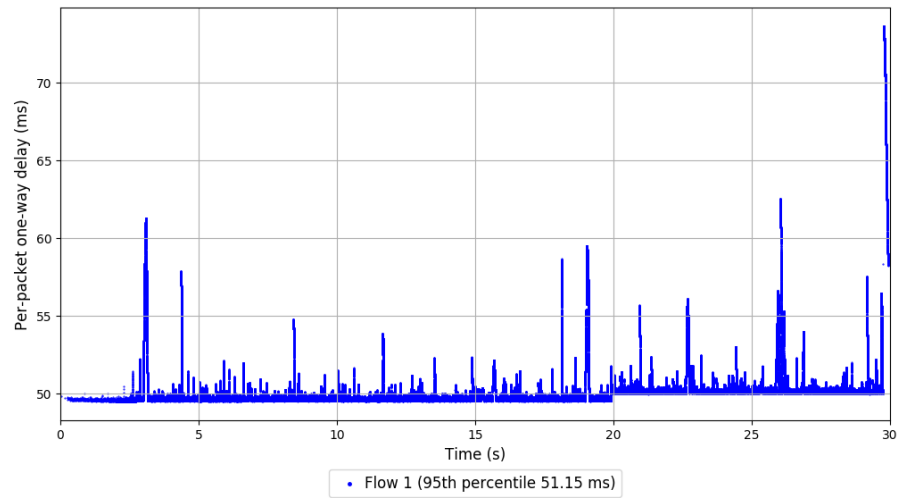
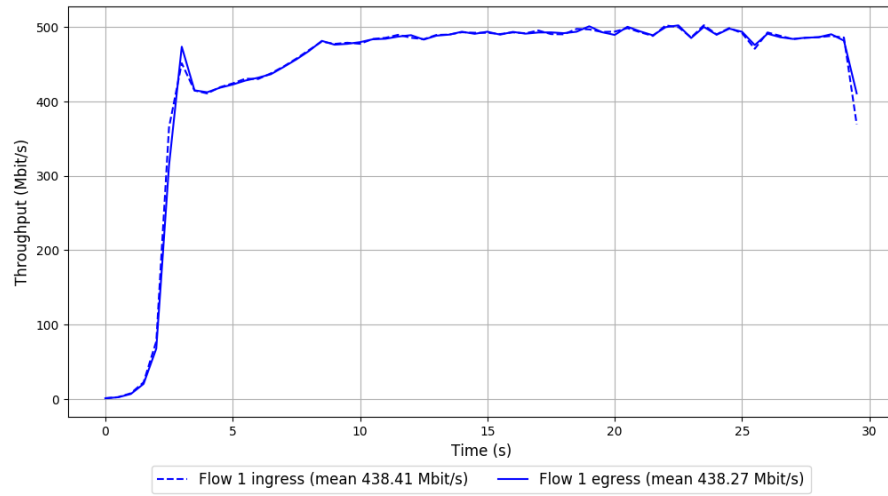
-- Flow 1:

Average throughput: 438.27 Mbit/s

95th percentile per-packet one-way delay: 51.149 ms

Loss rate: 0.04%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 10:16:20

End at: 2018-02-16 10:16:50

Below is generated by plot.py at 2018-02-16 14:36:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.75 Mbit/s

95th percentile per-packet one-way delay: 51.548 ms

Loss rate: 0.00%

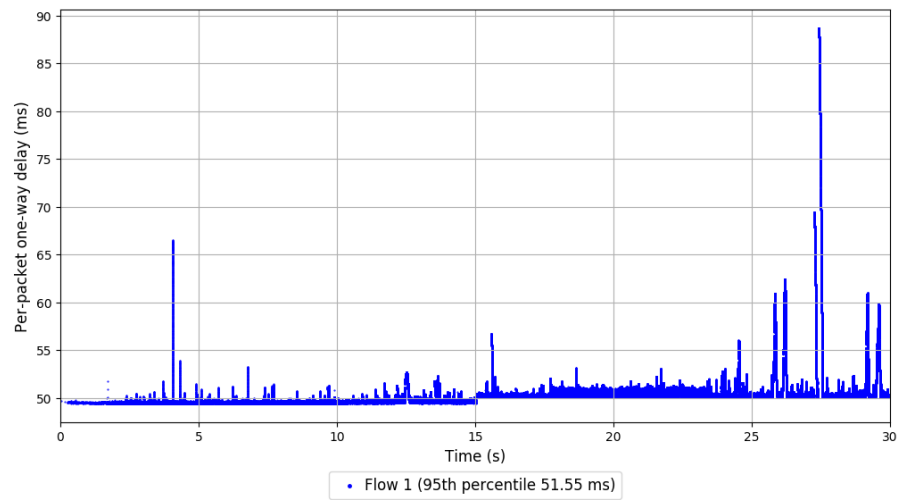
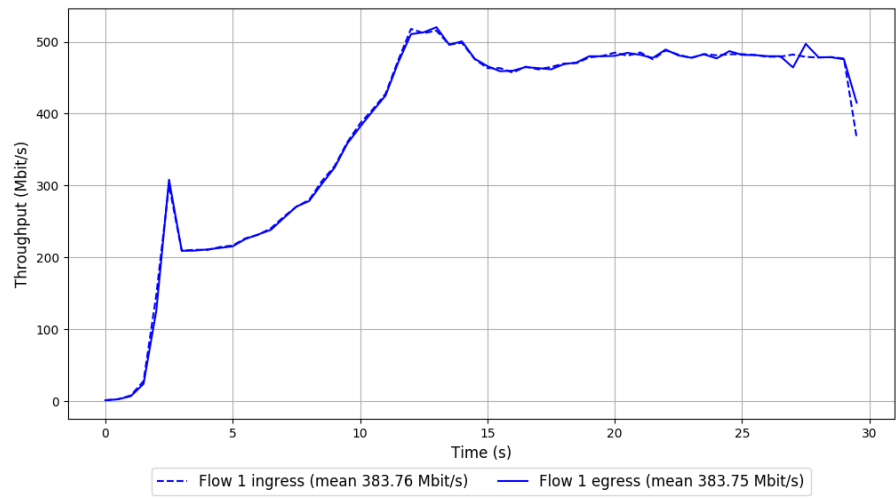
-- Flow 1:

Average throughput: 383.75 Mbit/s

95th percentile per-packet one-way delay: 51.548 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 10:31:06

End at: 2018-02-16 10:31:36

Below is generated by plot.py at 2018-02-16 14:36:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 409.87 Mbit/s

95th percentile per-packet one-way delay: 51.367 ms

Loss rate: 0.00%

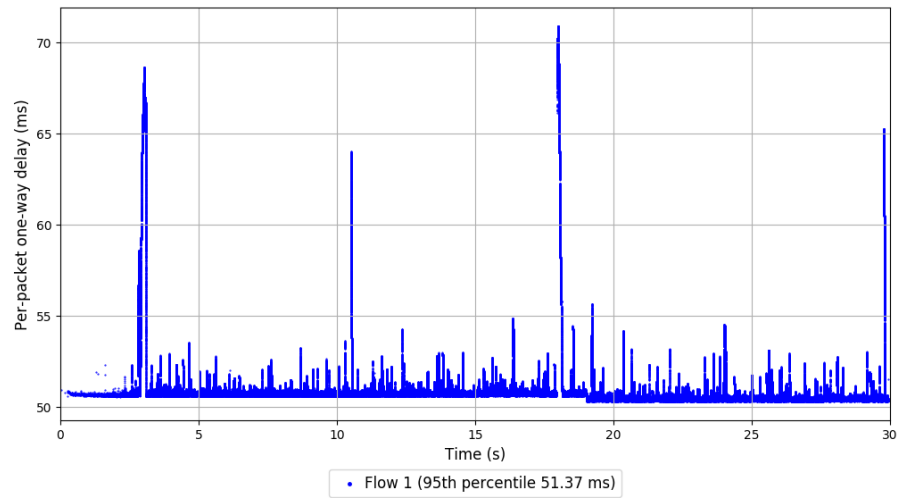
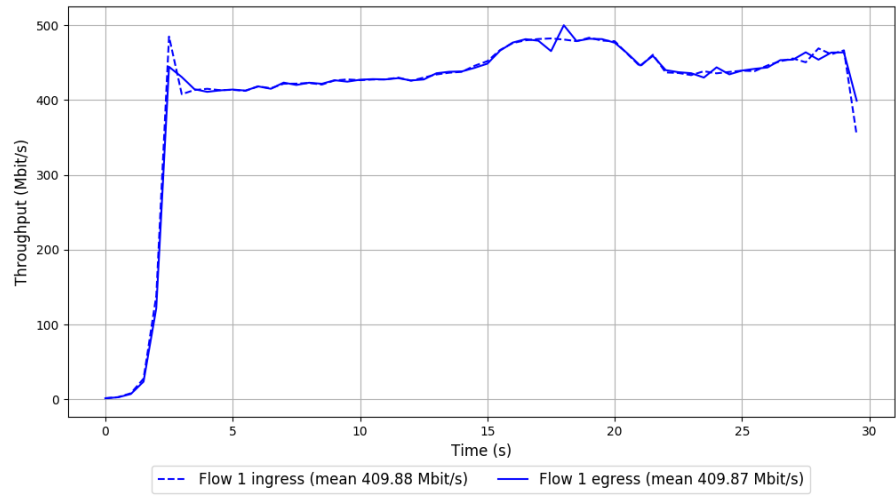
-- Flow 1:

Average throughput: 409.87 Mbit/s

95th percentile per-packet one-way delay: 51.367 ms

Loss rate: 0.00%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 10:46:00
End at: 2018-02-16 10:46:30

# Below is generated by plot.py at 2018-02-16 14:36:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 402.68 Mbit/s
95th percentile per-packet one-way delay: 51.469 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 402.68 Mbit/s
95th percentile per-packet one-way delay: 51.469 ms
Loss rate: 0.01%
```

Run 10: Report of Vivace-LTE — Data Link

