

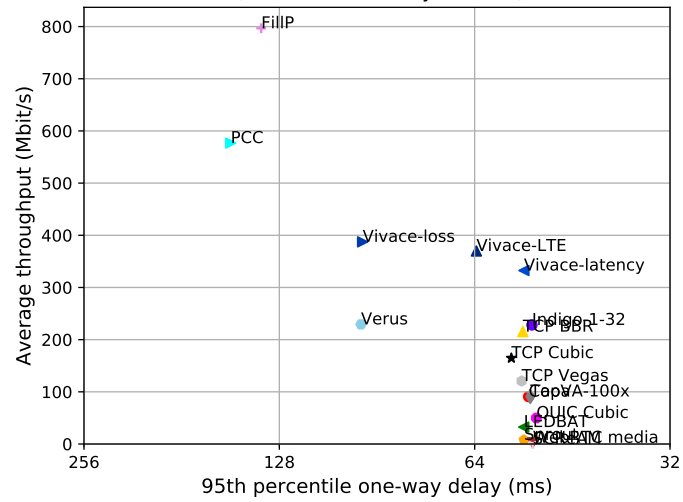
Pantheon Report

Generated at 2018-03-20 21:20:37 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

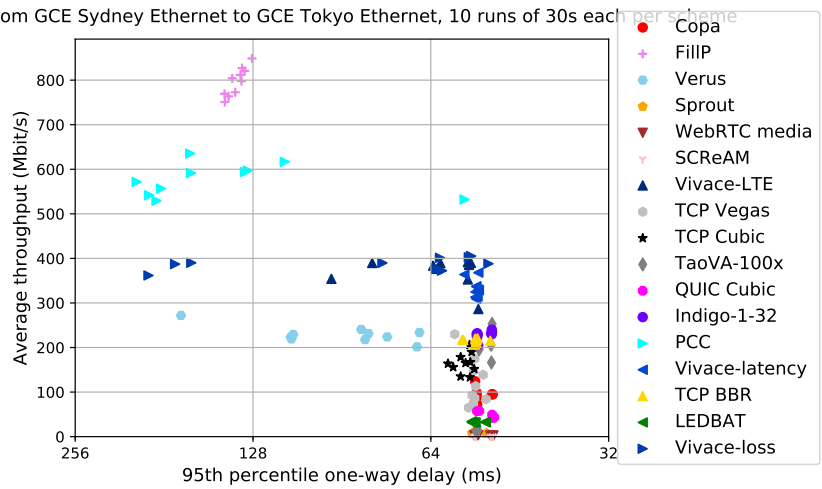
Git summary:

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

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	215.35	53.94	0.00
TCP Cubic	10	164.67	56.18	0.03
LEDBAT	10	32.46	53.78	0.00
PCC	10	576.74	152.10	1.76
QUIC Cubic	5	49.87	51.42	0.00
SCReAM	10	0.21	52.10	0.00
WebRTC media	10	2.41	52.08	0.03
Sprout	10	7.82	53.72	0.00
TaoVA-100x	10	91.11	52.54	0.00
TCP Vegas	10	120.73	54.18	0.01
Verus	10	229.27	95.81	0.11
Copa	9	90.90	52.85	0.00
FillP	10	796.71	136.52	9.80
Indigo-1-32	10	228.17	52.23	0.00
Vivace-latency	10	332.54	53.74	0.01
Vivace-loss	10	387.41	95.25	0.18
Vivace-LTE	10	369.98	63.61	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-03-20 15:56:54

End at: 2018-03-20 15:57:24

Below is generated by plot.py at 2018-03-20 19:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.41 Mbit/s

95th percentile per-packet one-way delay: 53.355 ms

Loss rate: 0.00%

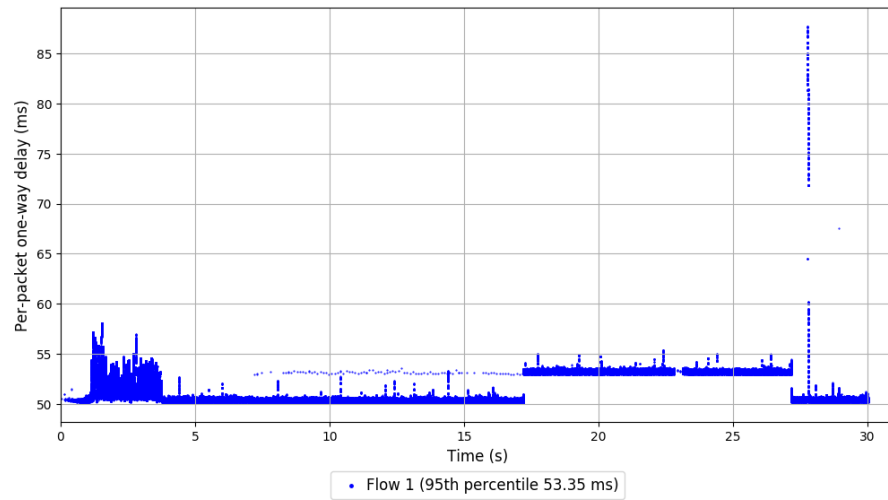
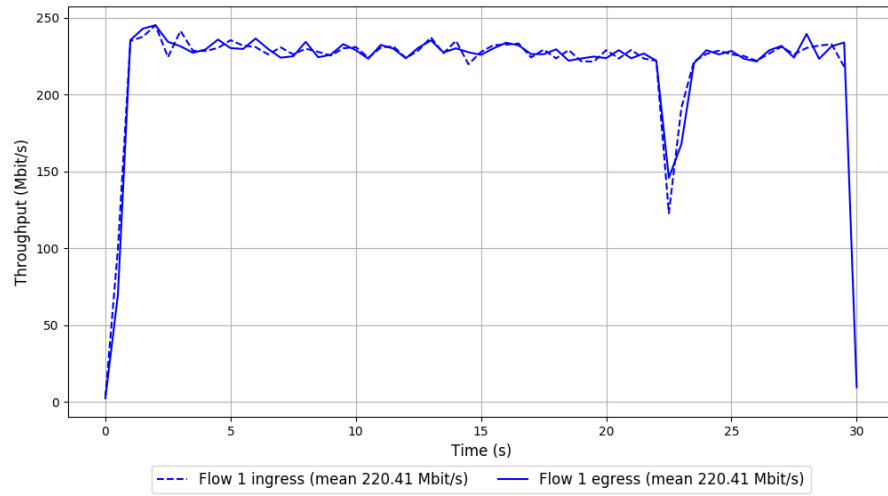
-- Flow 1:

Average throughput: 220.41 Mbit/s

95th percentile per-packet one-way delay: 53.355 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-20 16:11:08

End at: 2018-03-20 16:11:38

Below is generated by plot.py at 2018-03-20 19:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.51 Mbit/s

95th percentile per-packet one-way delay: 53.847 ms

Loss rate: 0.00%

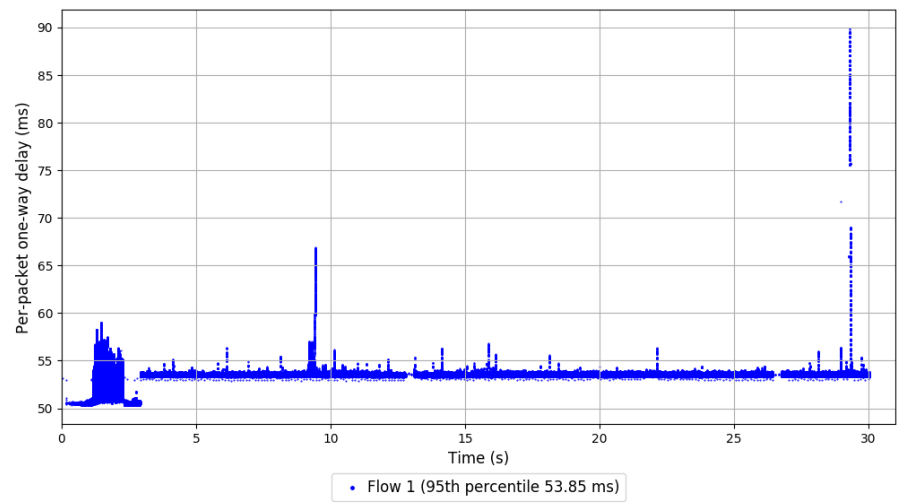
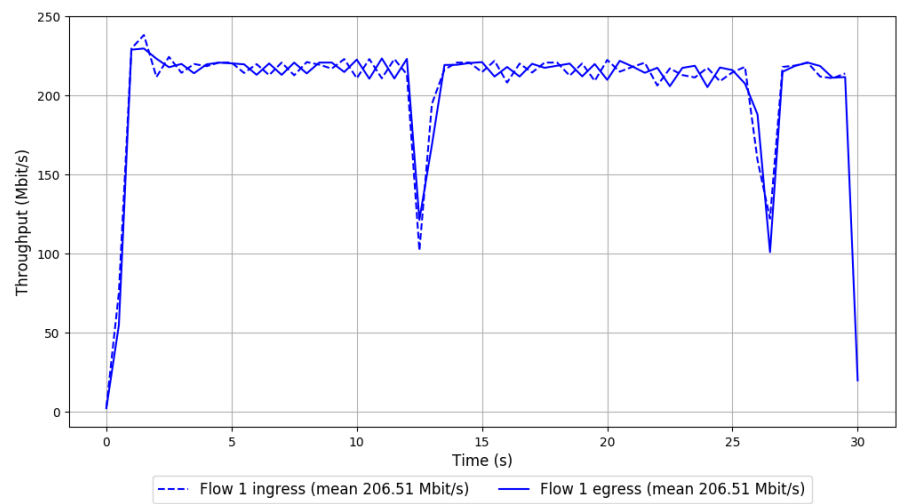
-- Flow 1:

Average throughput: 206.51 Mbit/s

95th percentile per-packet one-way delay: 53.847 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-20 16:25:21

End at: 2018-03-20 16:25:51

Below is generated by plot.py at 2018-03-20 19:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.44 Mbit/s

95th percentile per-packet one-way delay: 50.759 ms

Loss rate: 0.00%

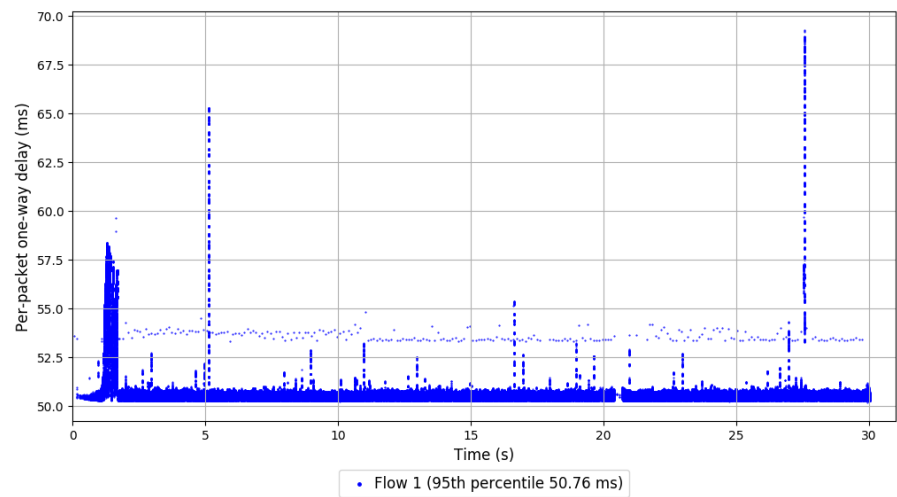
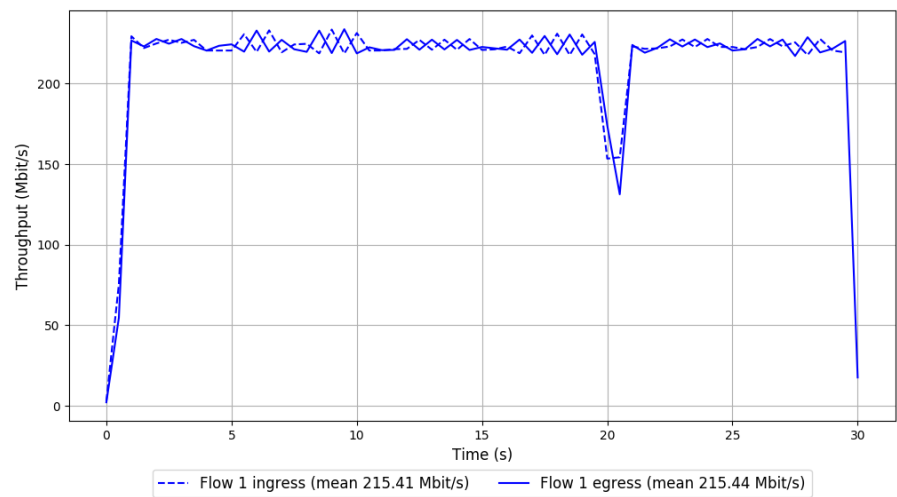
-- Flow 1:

Average throughput: 215.44 Mbit/s

95th percentile per-packet one-way delay: 50.759 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-20 16:39:53

End at: 2018-03-20 16:40:23

Below is generated by plot.py at 2018-03-20 19:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.48 Mbit/s

95th percentile per-packet one-way delay: 53.508 ms

Loss rate: 0.01%

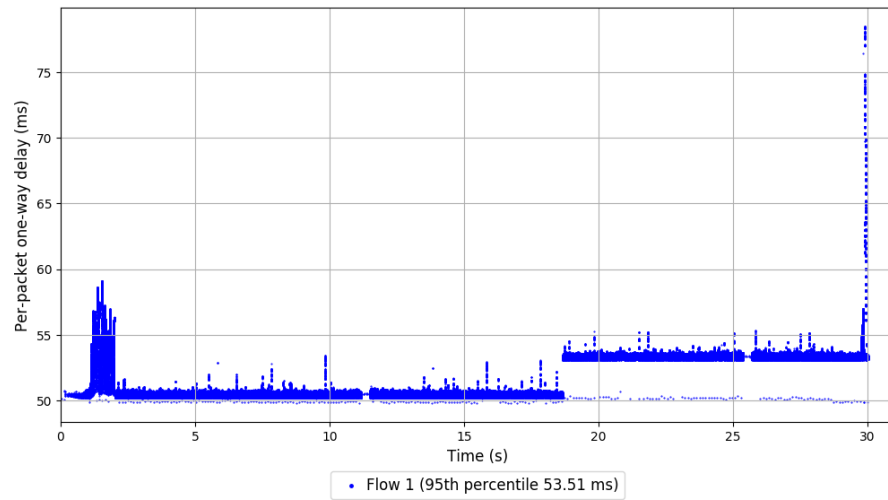
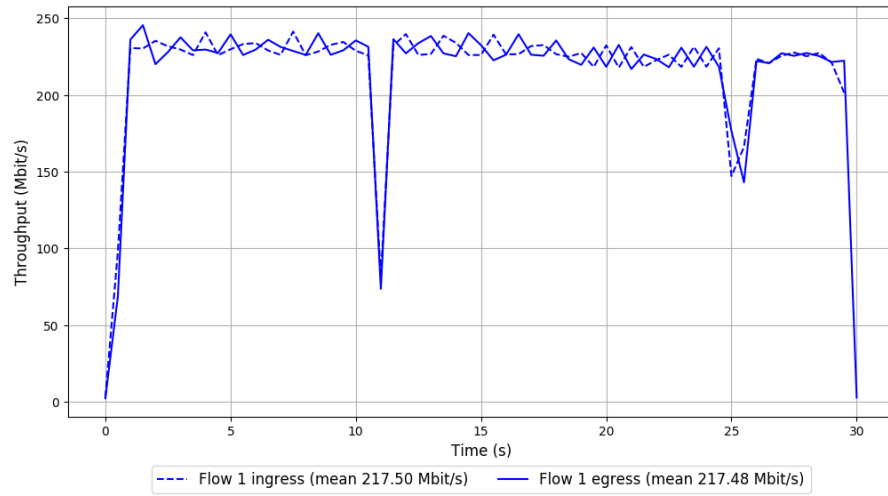
-- Flow 1:

Average throughput: 217.48 Mbit/s

95th percentile per-packet one-way delay: 53.508 ms

Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-20 16:54:18

End at: 2018-03-20 16:54:48

Below is generated by plot.py at 2018-03-20 19:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.59 Mbit/s

95th percentile per-packet one-way delay: 53.736 ms

Loss rate: 0.00%

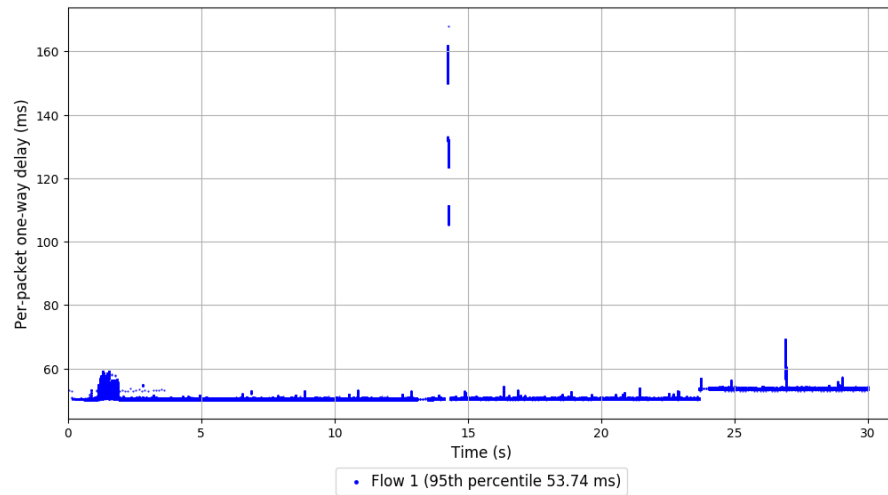
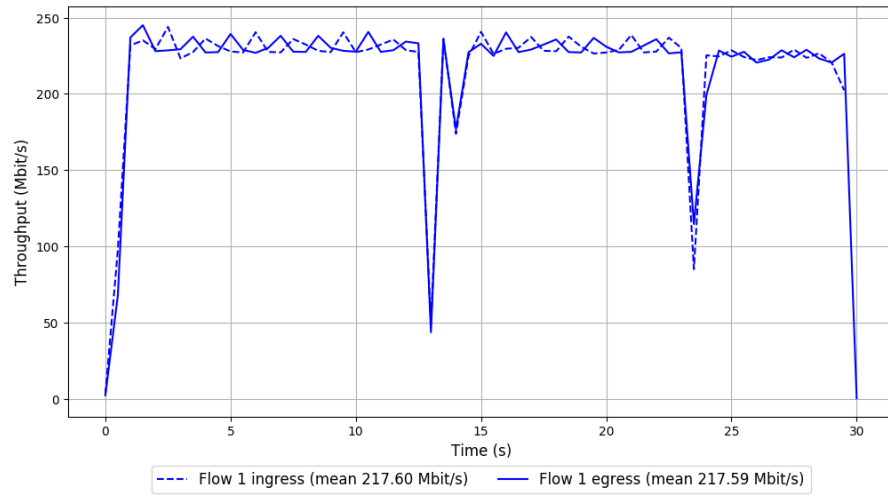
-- Flow 1:

Average throughput: 217.59 Mbit/s

95th percentile per-packet one-way delay: 53.736 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-03-20 17:08:31

End at: 2018-03-20 17:09:01

Below is generated by plot.py at 2018-03-20 19:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.29 Mbit/s

95th percentile per-packet one-way delay: 53.769 ms

Loss rate: 0.00%

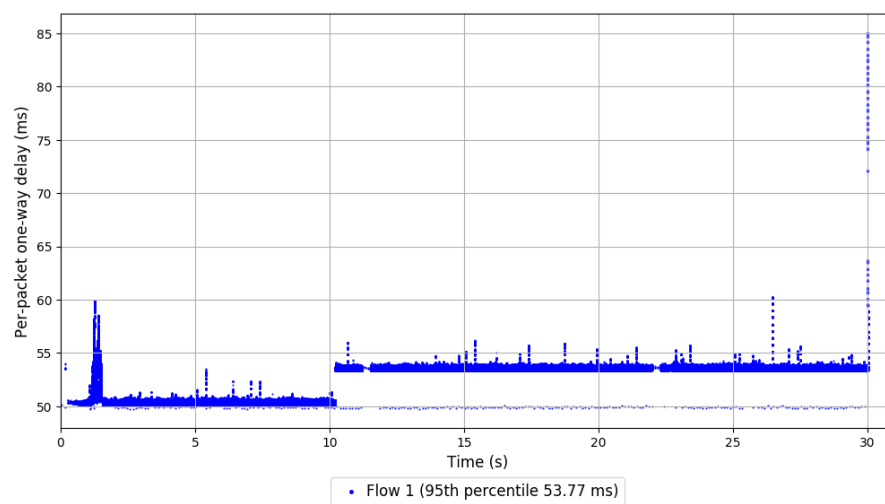
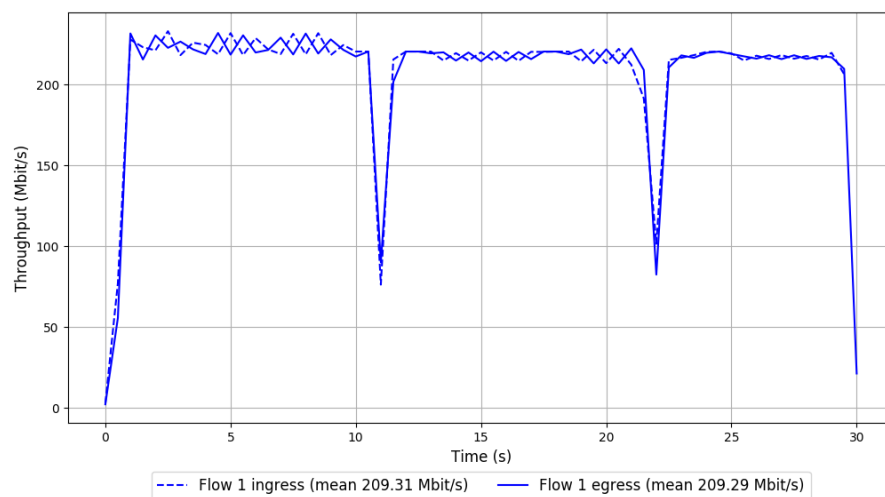
-- Flow 1:

Average throughput: 209.29 Mbit/s

95th percentile per-packet one-way delay: 53.769 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-03-20 17:22:45

End at: 2018-03-20 17:23:15

Below is generated by plot.py at 2018-03-20 19:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.49 Mbit/s

95th percentile per-packet one-way delay: 53.617 ms

Loss rate: 0.00%

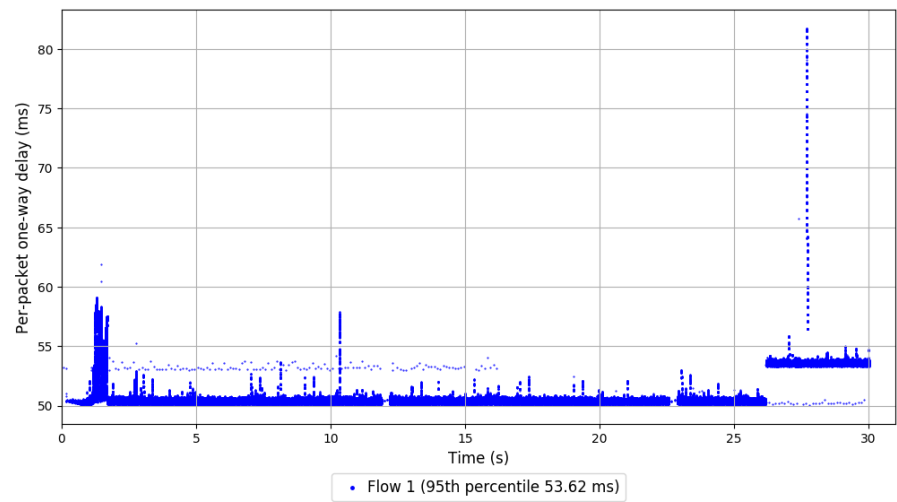
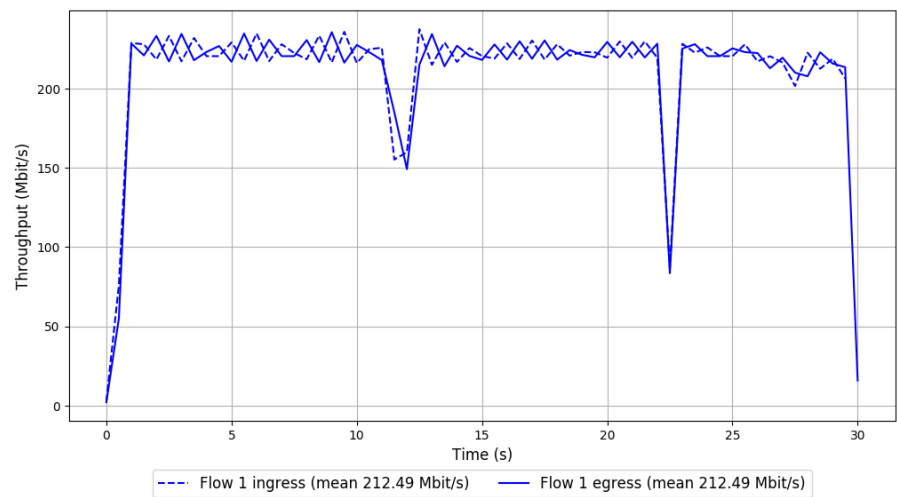
-- Flow 1:

Average throughput: 212.49 Mbit/s

95th percentile per-packet one-way delay: 53.617 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-20 17:37:20

End at: 2018-03-20 17:37:50

Below is generated by plot.py at 2018-03-20 19:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.53 Mbit/s

95th percentile per-packet one-way delay: 56.613 ms

Loss rate: 0.00%

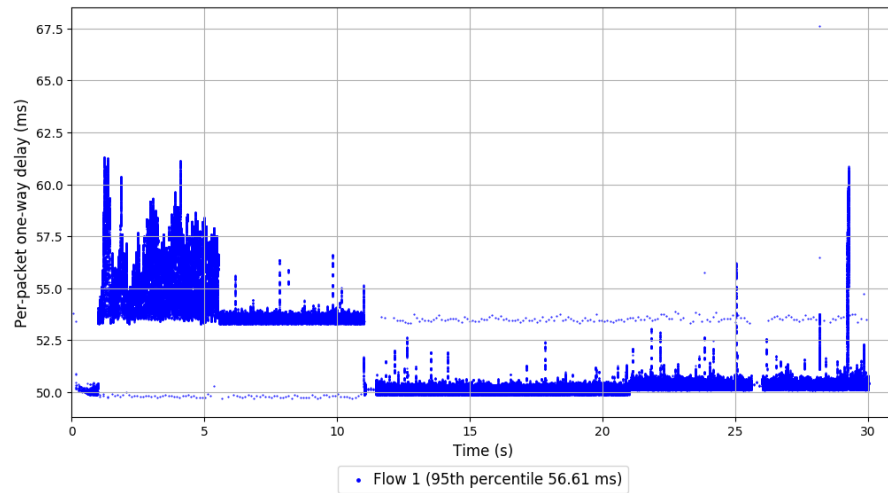
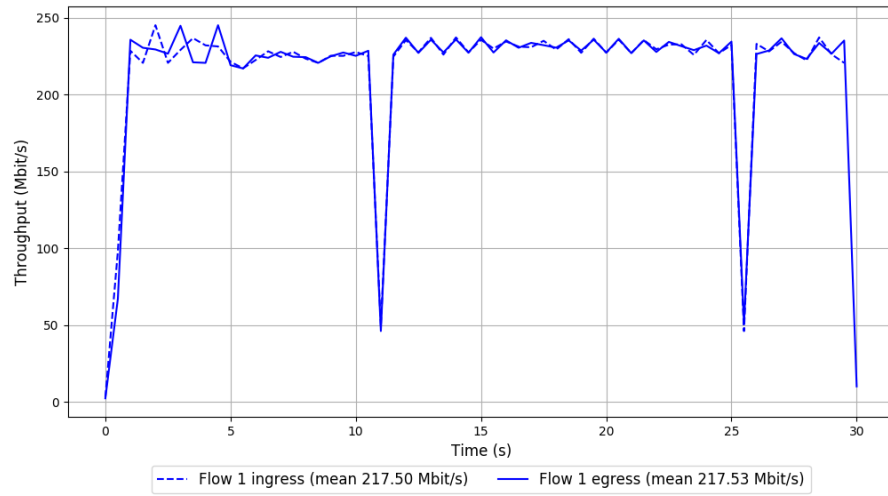
-- Flow 1:

Average throughput: 217.53 Mbit/s

95th percentile per-packet one-way delay: 56.613 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-03-20 17:51:36

End at: 2018-03-20 17:52:06

Below is generated by plot.py at 2018-03-20 20:02:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.75 Mbit/s

95th percentile per-packet one-way delay: 53.840 ms

Loss rate: 0.02%

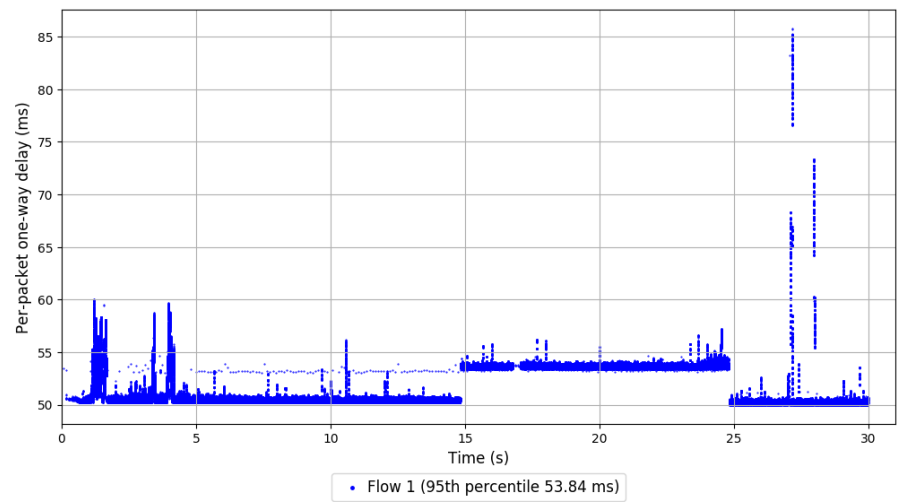
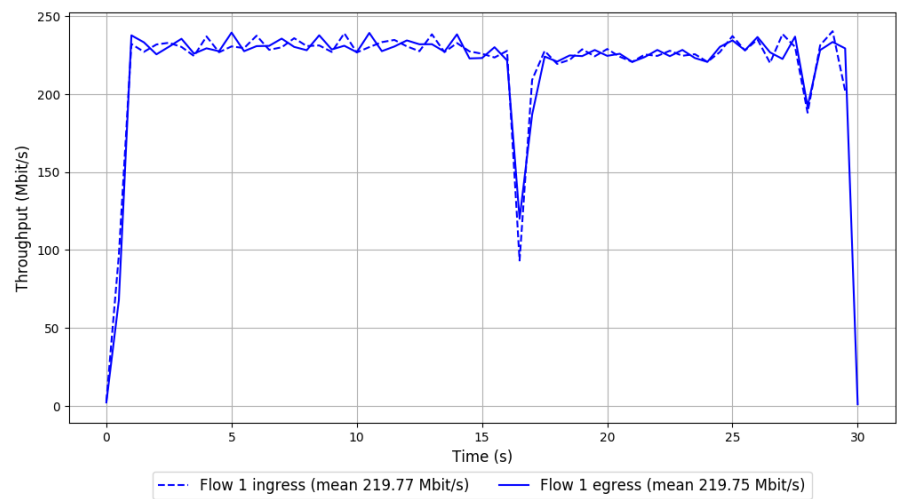
-- Flow 1:

Average throughput: 219.75 Mbit/s

95th percentile per-packet one-way delay: 53.840 ms

Loss rate: 0.02%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-03-20 18:06:11

End at: 2018-03-20 18:06:41

Below is generated by plot.py at 2018-03-20 20:02:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.03 Mbit/s

95th percentile per-packet one-way delay: 56.380 ms

Loss rate: 0.00%

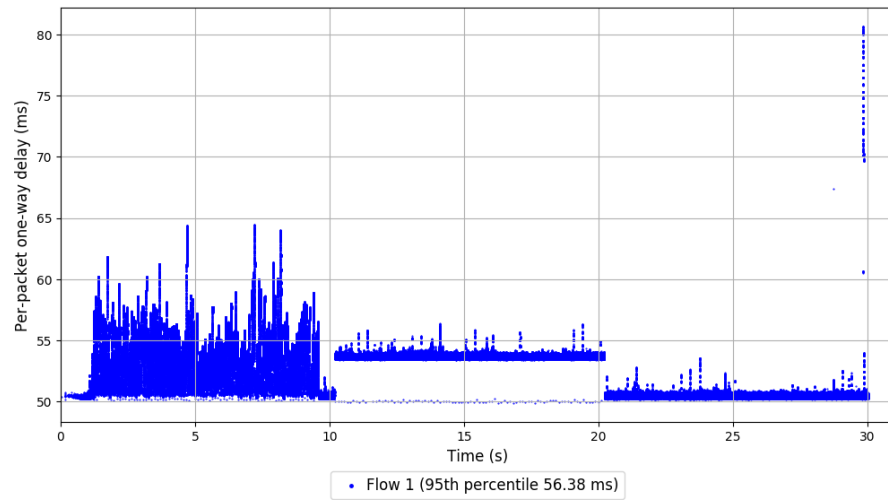
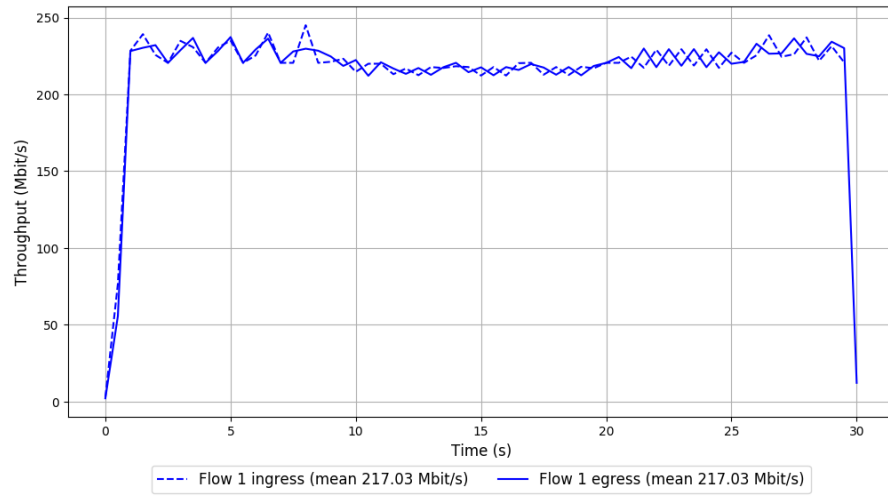
-- Flow 1:

Average throughput: 217.03 Mbit/s

95th percentile per-packet one-way delay: 56.380 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-20 16:06:17

End at: 2018-03-20 16:06:47

Below is generated by plot.py at 2018-03-20 20:02:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.62 Mbit/s

95th percentile per-packet one-way delay: 56.978 ms

Loss rate: 0.00%

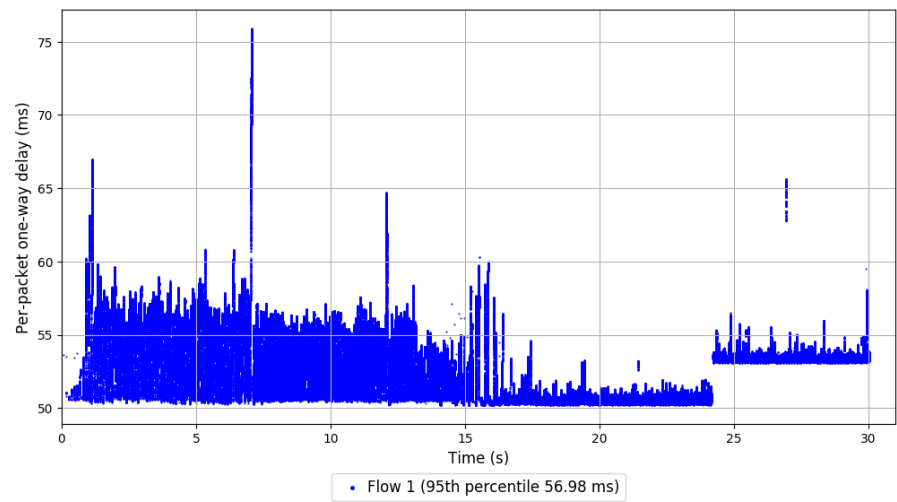
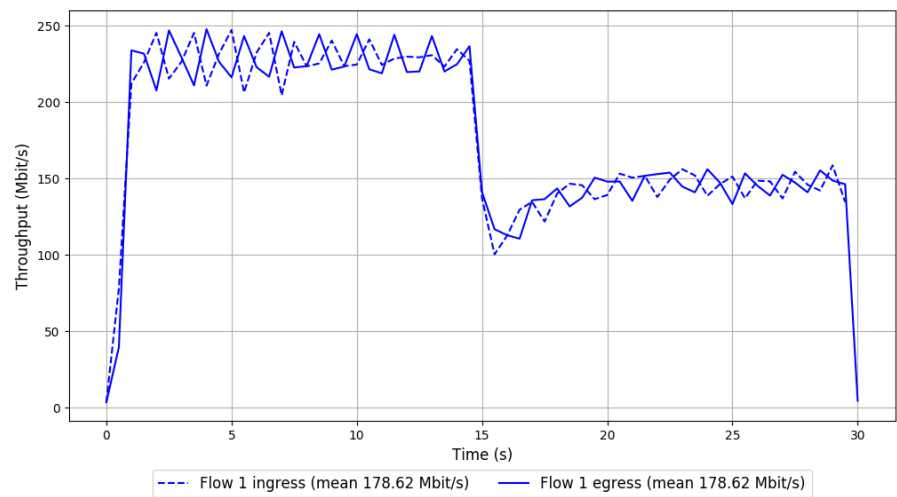
-- Flow 1:

Average throughput: 178.62 Mbit/s

95th percentile per-packet one-way delay: 56.978 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-03-20 16:20:32

End at: 2018-03-20 16:21:02

Below is generated by plot.py at 2018-03-20 20:02:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.23 Mbit/s

95th percentile per-packet one-way delay: 54.880 ms

Loss rate: 0.00%

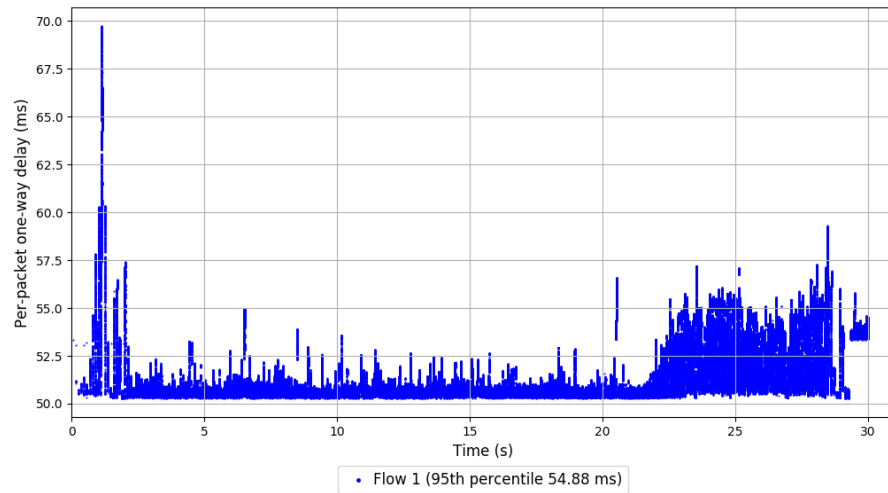
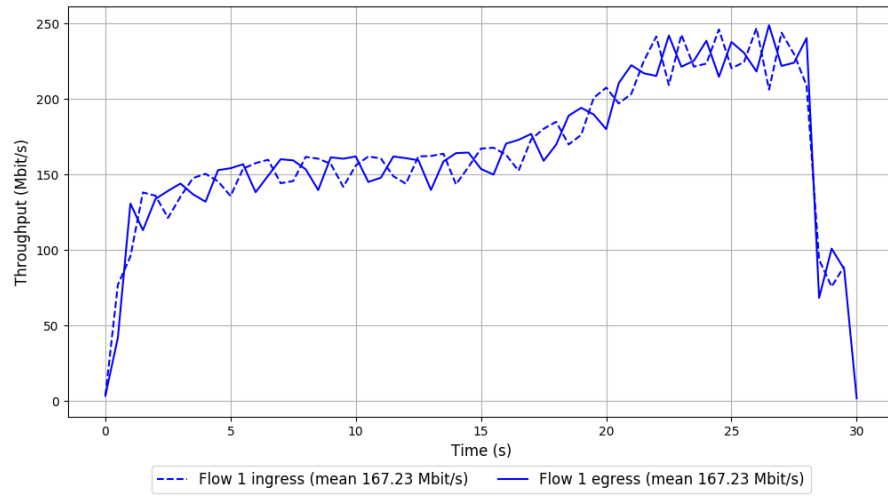
-- Flow 1:

Average throughput: 167.23 Mbit/s

95th percentile per-packet one-way delay: 54.880 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-20 16:34:53

End at: 2018-03-20 16:35:23

Below is generated by plot.py at 2018-03-20 20:02:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.72 Mbit/s

95th percentile per-packet one-way delay: 55.034 ms

Loss rate: 0.00%

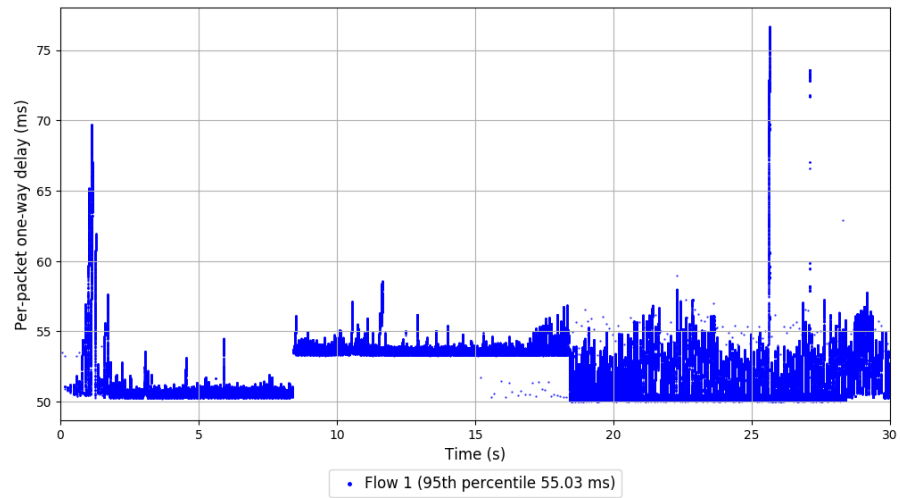
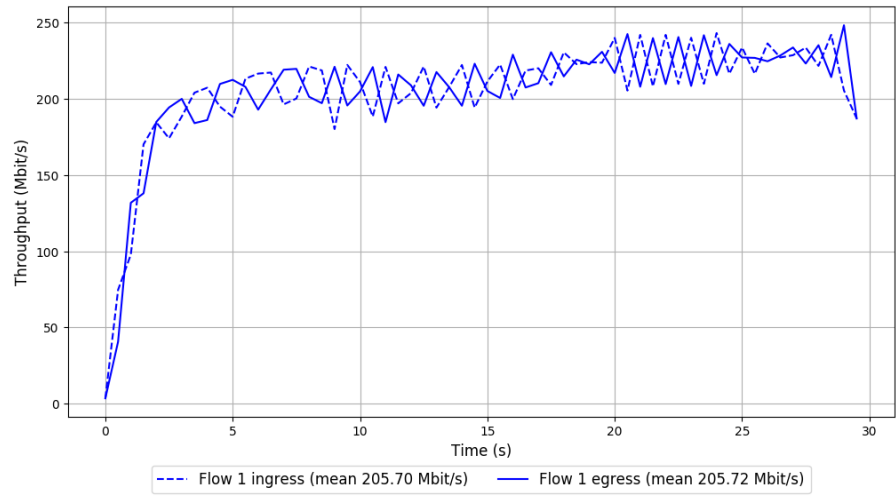
-- Flow 1:

Average throughput: 205.72 Mbit/s

95th percentile per-packet one-way delay: 55.034 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-03-20 16:49:29

End at: 2018-03-20 16:49:59

Below is generated by plot.py at 2018-03-20 20:02:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.78 Mbit/s

95th percentile per-packet one-way delay: 59.856 ms

Loss rate: 0.00%

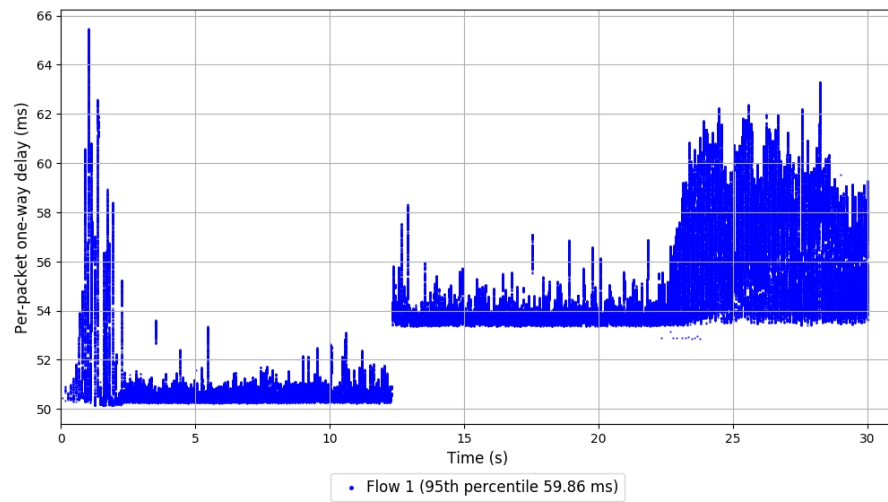
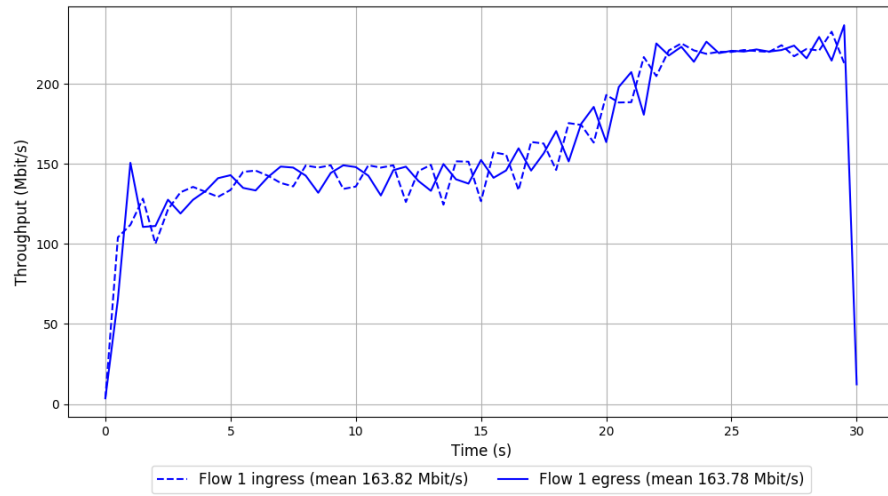
-- Flow 1:

Average throughput: 163.78 Mbit/s

95th percentile per-packet one-way delay: 59.856 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-20 17:03:43

End at: 2018-03-20 17:04:13

Below is generated by plot.py at 2018-03-20 20:02:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.75 Mbit/s

95th percentile per-packet one-way delay: 54.040 ms

Loss rate: 0.00%

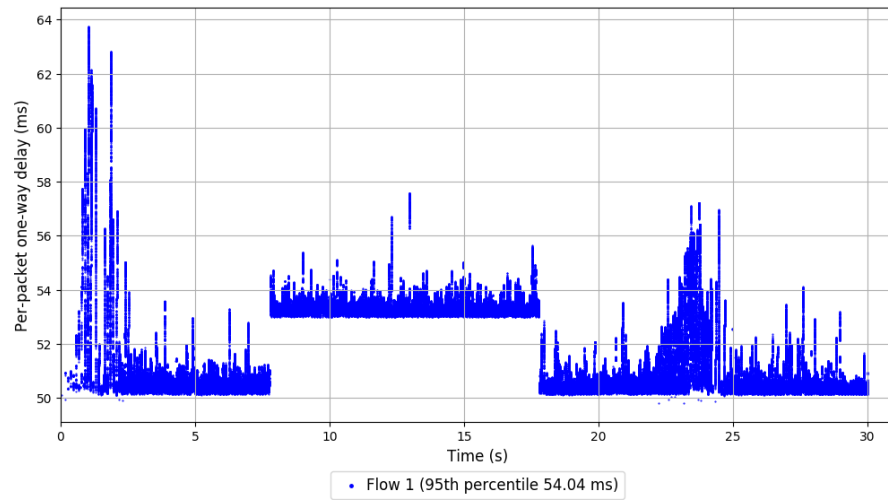
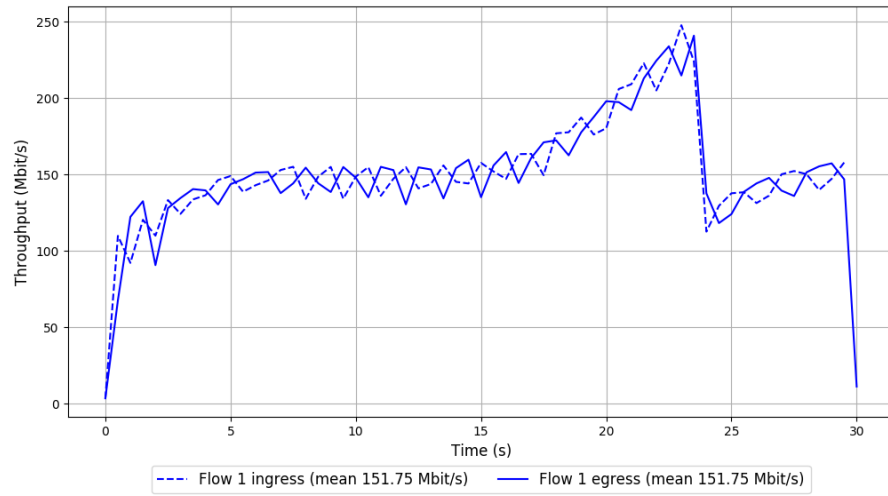
-- Flow 1:

Average throughput: 151.75 Mbit/s

95th percentile per-packet one-way delay: 54.040 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-20 17:18:01

End at: 2018-03-20 17:18:31

Below is generated by plot.py at 2018-03-20 20:02:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.25 Mbit/s

95th percentile per-packet one-way delay: 54.941 ms

Loss rate: 0.27%

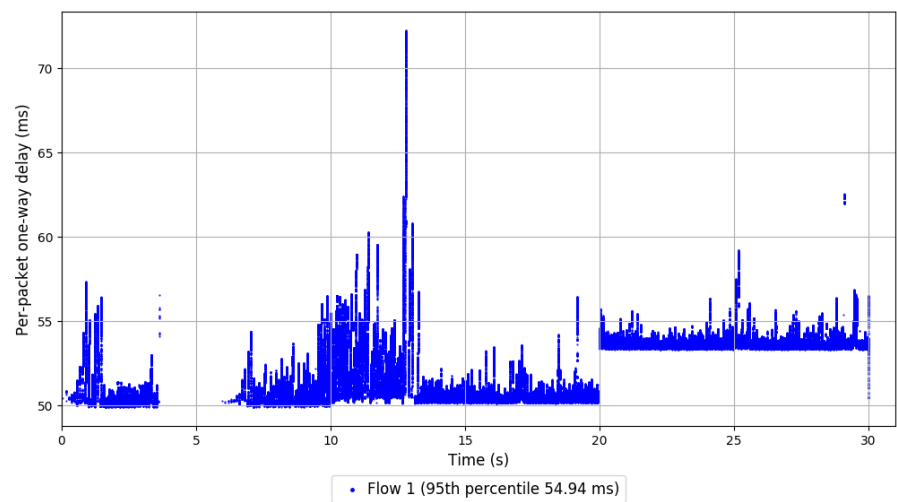
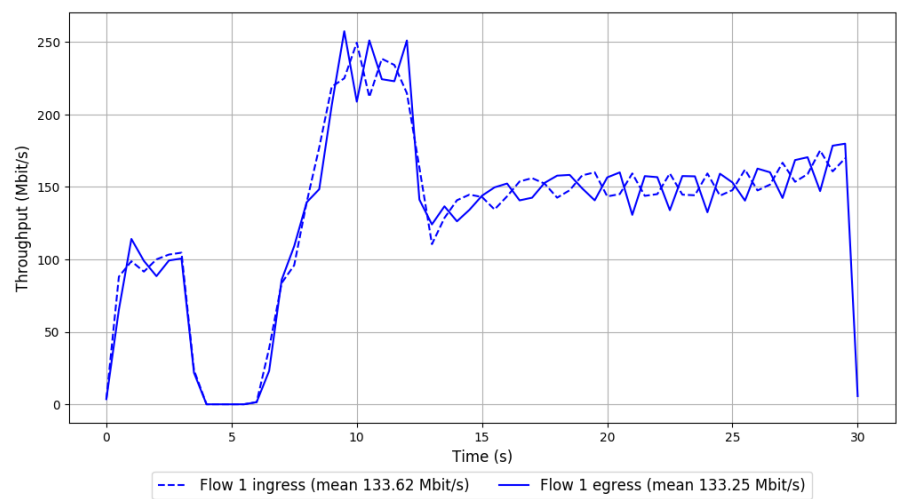
-- Flow 1:

Average throughput: 133.25 Mbit/s

95th percentile per-packet one-way delay: 54.941 ms

Loss rate: 0.27%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-03-20 17:32:14

End at: 2018-03-20 17:32:44

Below is generated by plot.py at 2018-03-20 20:04:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.05 Mbit/s

95th percentile per-packet one-way delay: 56.980 ms

Loss rate: 0.00%

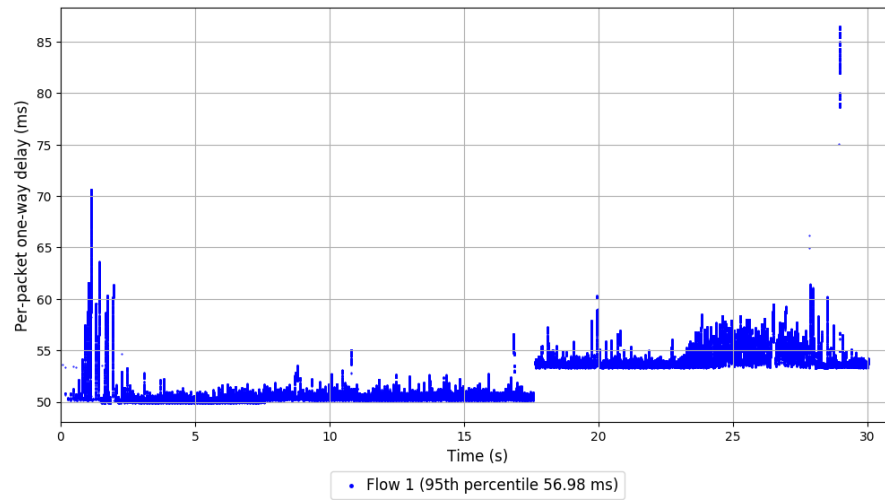
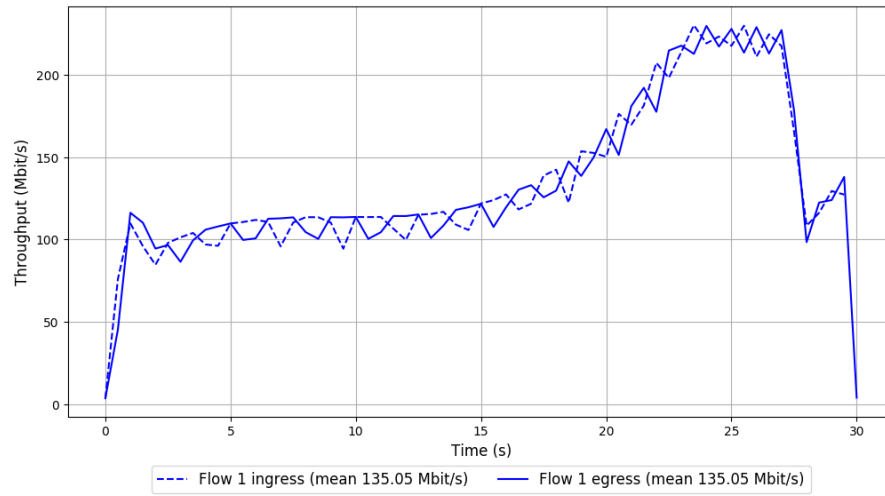
-- Flow 1:

Average throughput: 135.05 Mbit/s

95th percentile per-packet one-way delay: 56.980 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-03-20 17:46:48

End at: 2018-03-20 17:47:18

Below is generated by plot.py at 2018-03-20 20:04:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.92 Mbit/s

95th percentile per-packet one-way delay: 58.658 ms

Loss rate: 0.00%

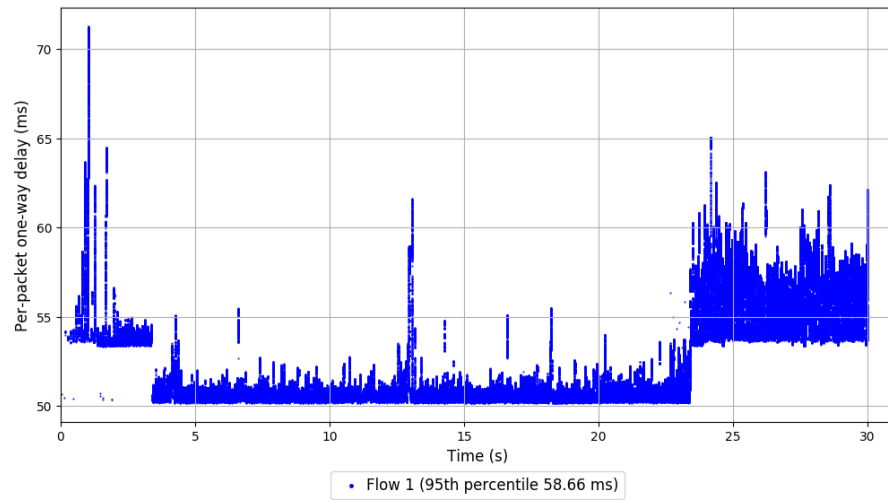
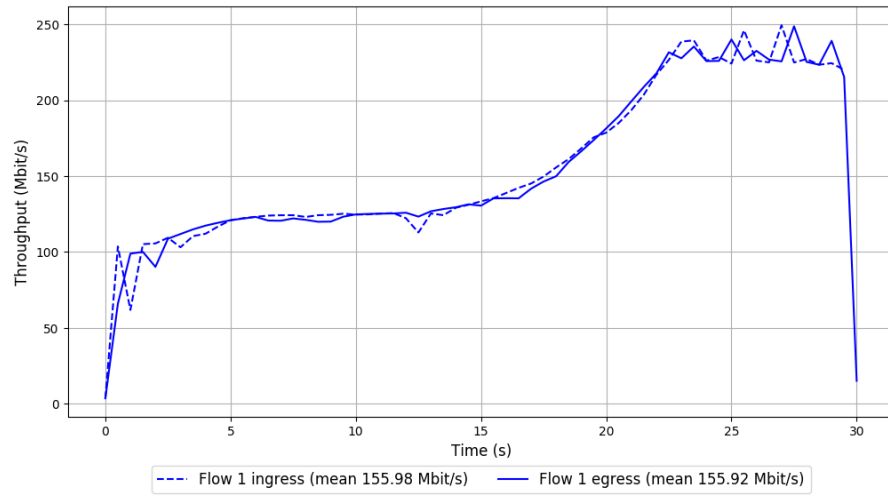
-- Flow 1:

Average throughput: 155.92 Mbit/s

95th percentile per-packet one-way delay: 58.658 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-03-20 18:01:10

End at: 2018-03-20 18:01:40

Below is generated by plot.py at 2018-03-20 20:04:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.31 Mbit/s

95th percentile per-packet one-way delay: 55.893 ms

Loss rate: 0.03%

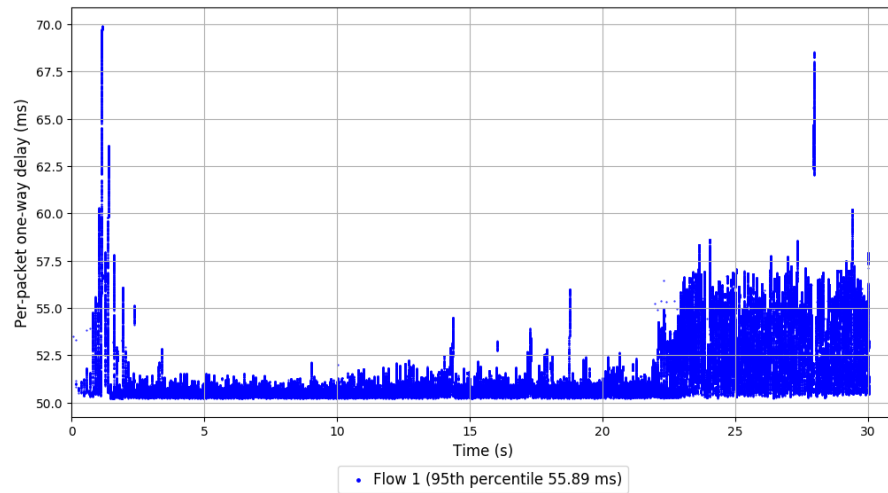
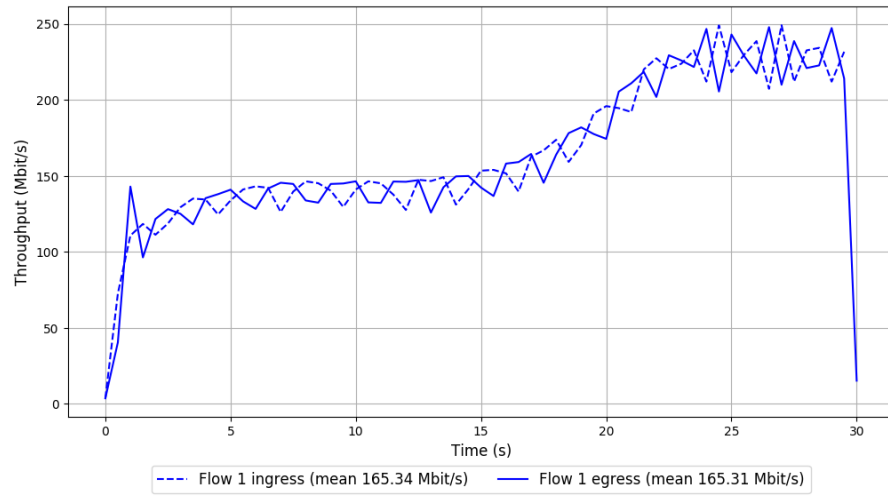
-- Flow 1:

Average throughput: 165.31 Mbit/s

95th percentile per-packet one-way delay: 55.893 ms

Loss rate: 0.03%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-20 18:15:34

End at: 2018-03-20 18:16:04

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.10 Mbit/s

95th percentile per-packet one-way delay: 54.587 ms

Loss rate: 0.00%

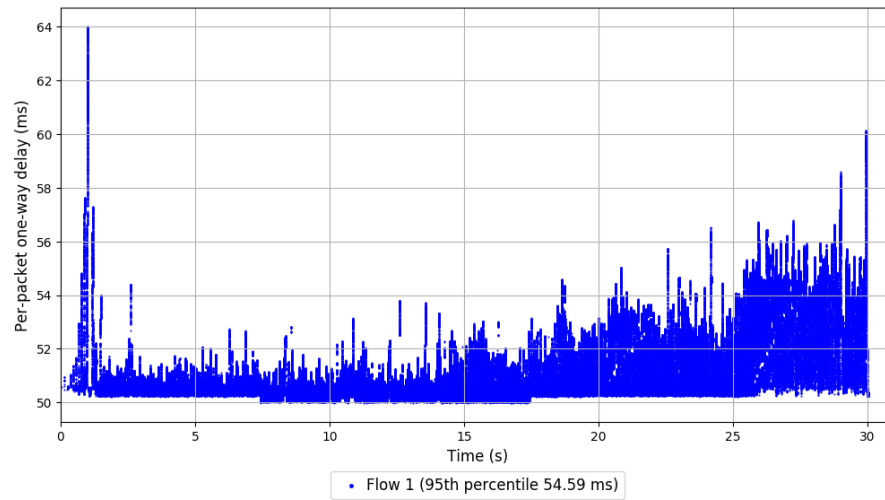
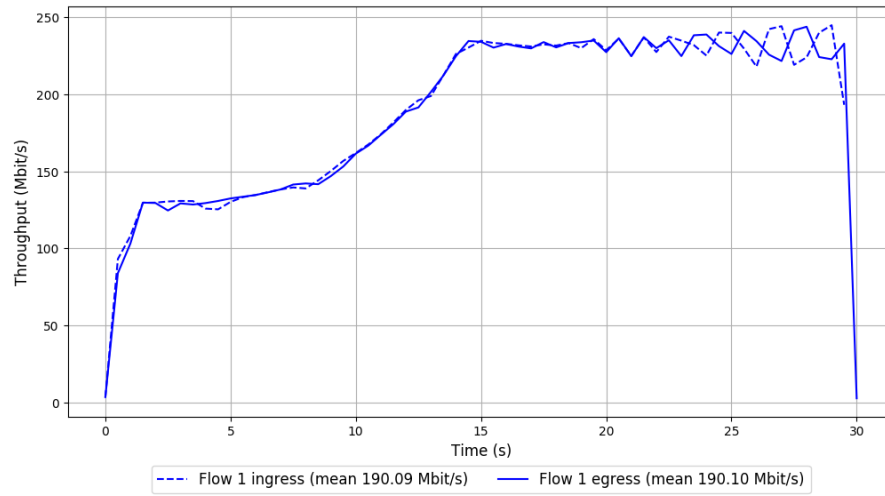
-- Flow 1:

Average throughput: 190.10 Mbit/s

95th percentile per-packet one-way delay: 54.587 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

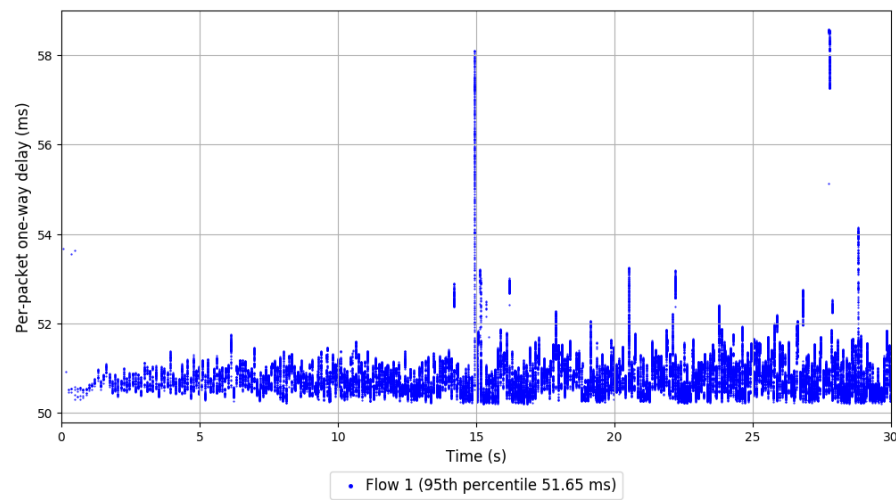
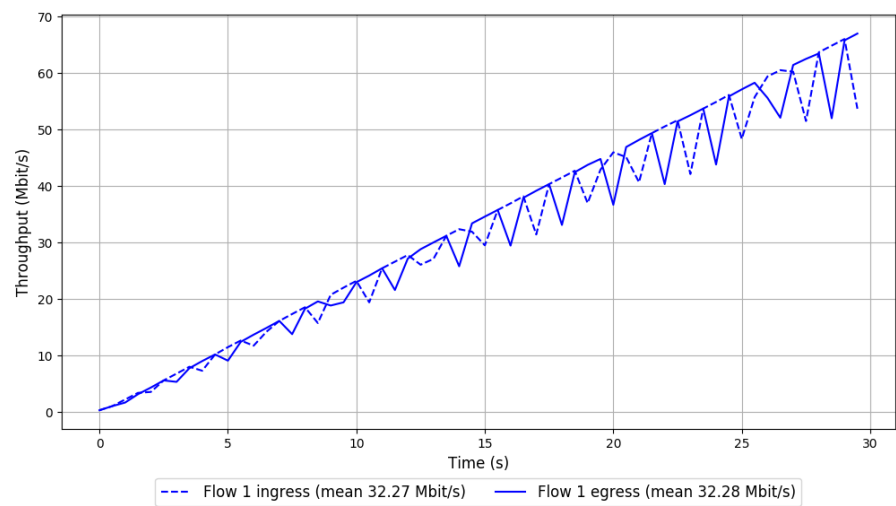


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-20 16:07:02
End at: 2018-03-20 16:07:32

# Below is generated by plot.py at 2018-03-20 20:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 51.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 51.647 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-03-20 16:21:16

End at: 2018-03-20 16:21:46

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.15 Mbit/s

95th percentile per-packet one-way delay: 54.236 ms

Loss rate: 0.00%

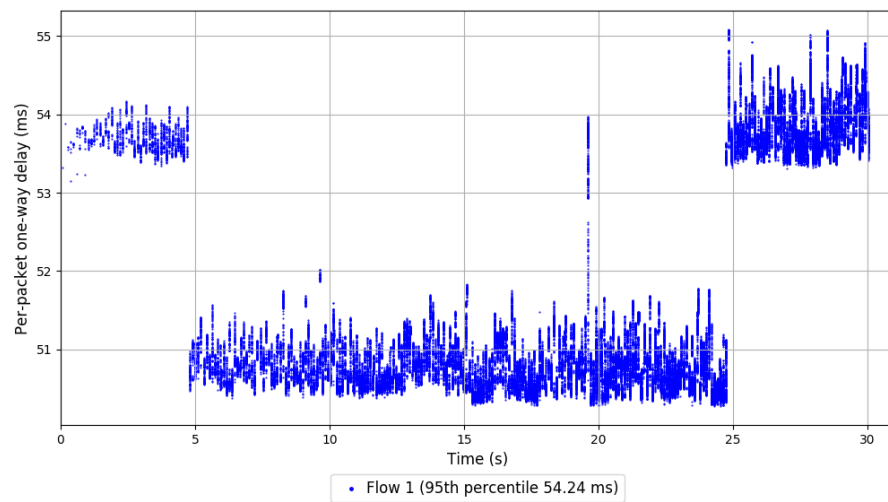
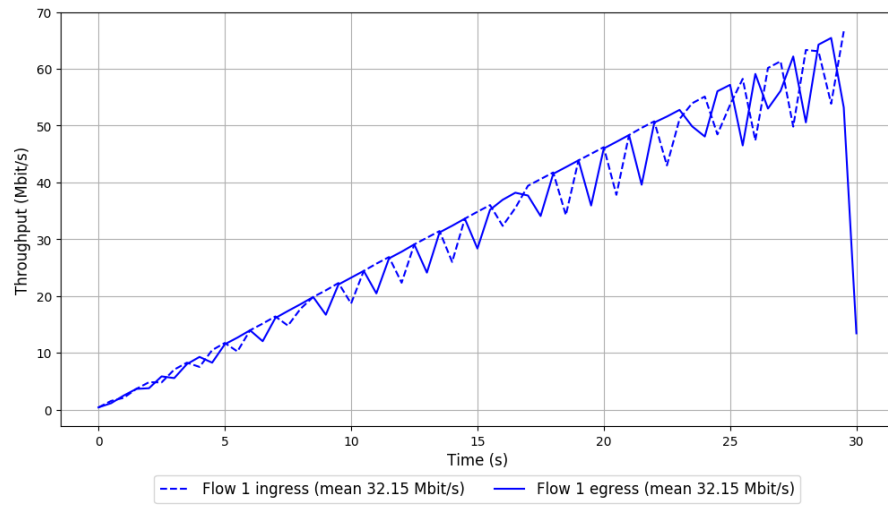
-- Flow 1:

Average throughput: 32.15 Mbit/s

95th percentile per-packet one-way delay: 54.236 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-03-20 16:35:39

End at: 2018-03-20 16:36:09

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.26 Mbit/s

95th percentile per-packet one-way delay: 54.596 ms

Loss rate: 0.00%

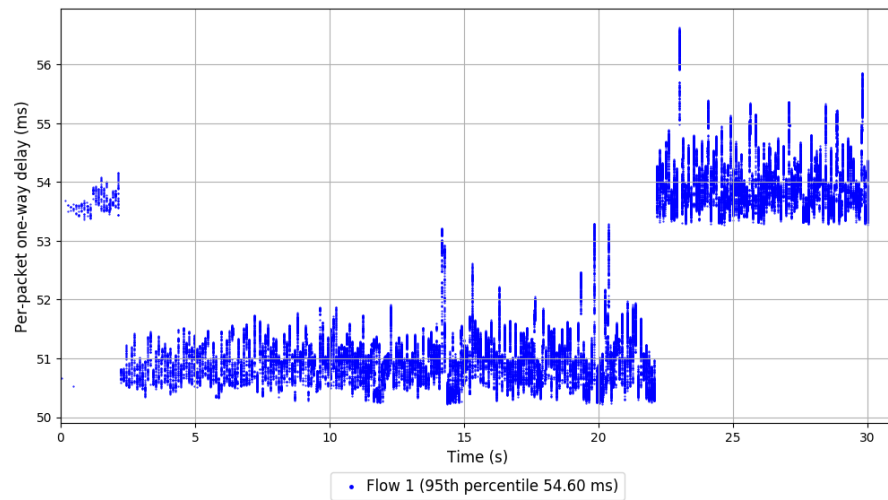
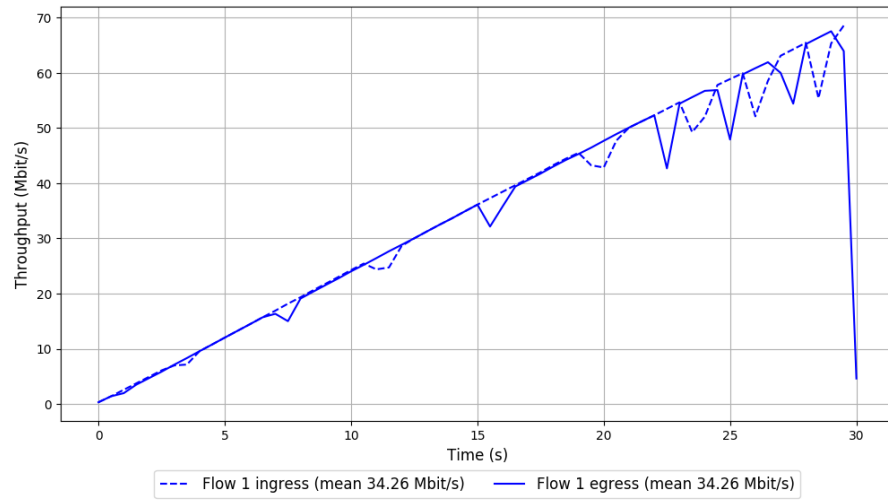
-- Flow 1:

Average throughput: 34.26 Mbit/s

95th percentile per-packet one-way delay: 54.596 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-03-20 16:50:14

End at: 2018-03-20 16:50:44

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 53.828 ms

Loss rate: 0.00%

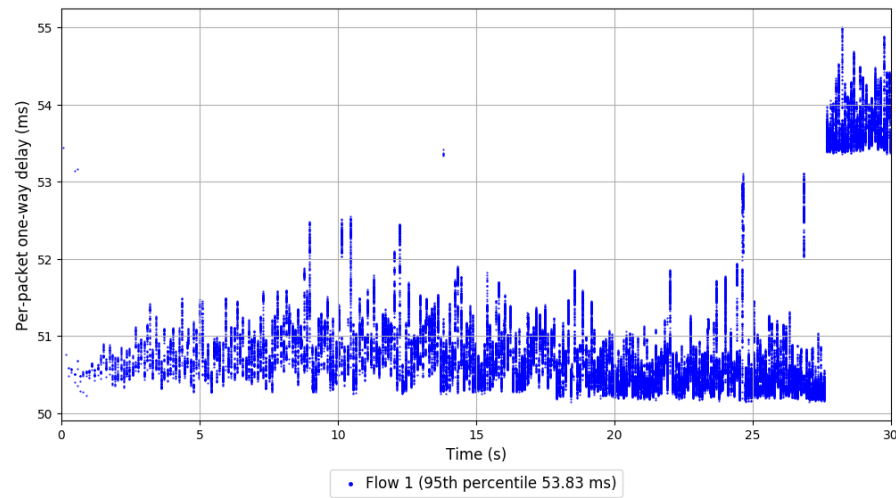
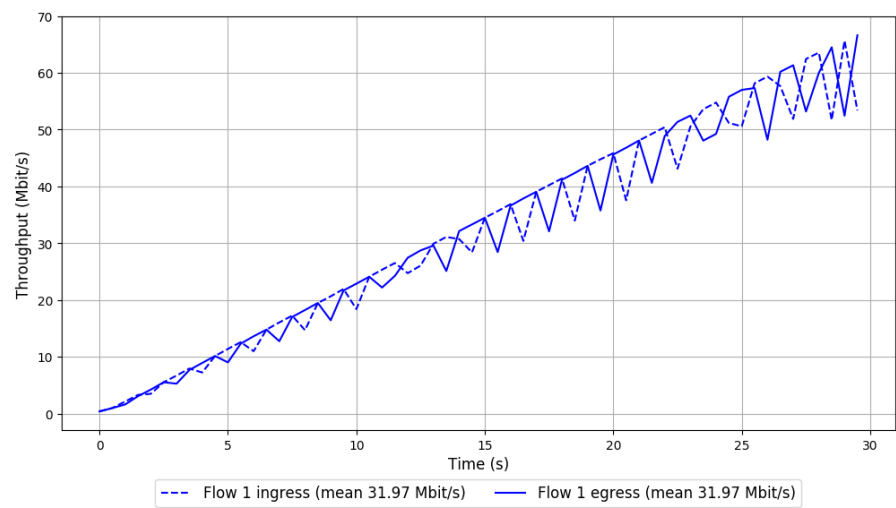
-- Flow 1:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 53.828 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-03-20 17:04:27

End at: 2018-03-20 17:04:57

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.75 Mbit/s

95th percentile per-packet one-way delay: 53.801 ms

Loss rate: 0.00%

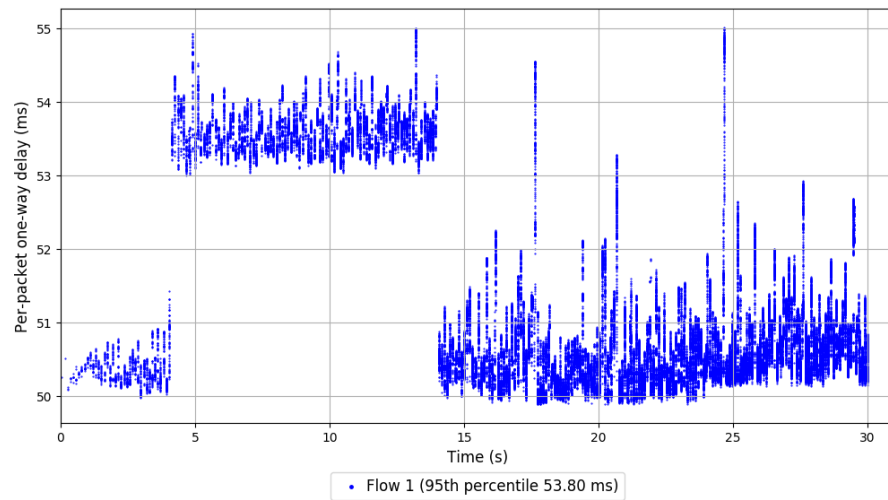
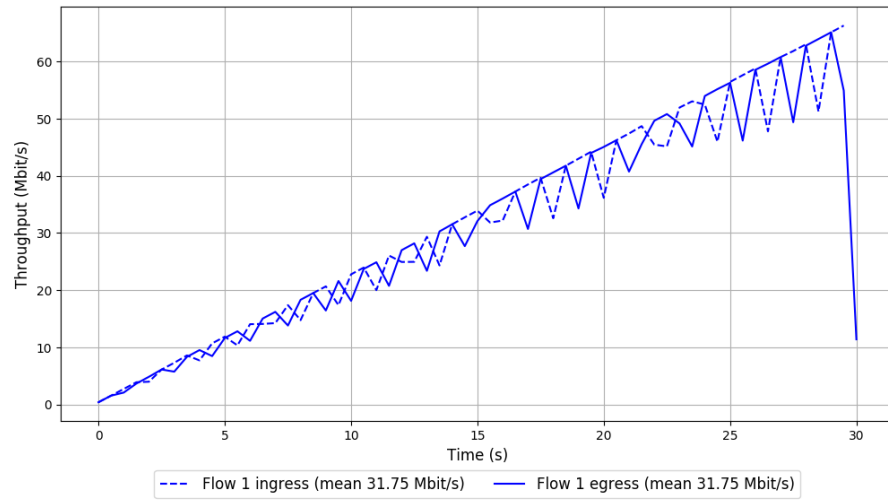
-- Flow 1:

Average throughput: 31.75 Mbit/s

95th percentile per-packet one-way delay: 53.801 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-20 17:18:44

End at: 2018-03-20 17:19:14

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.46 Mbit/s

95th percentile per-packet one-way delay: 54.579 ms

Loss rate: 0.00%

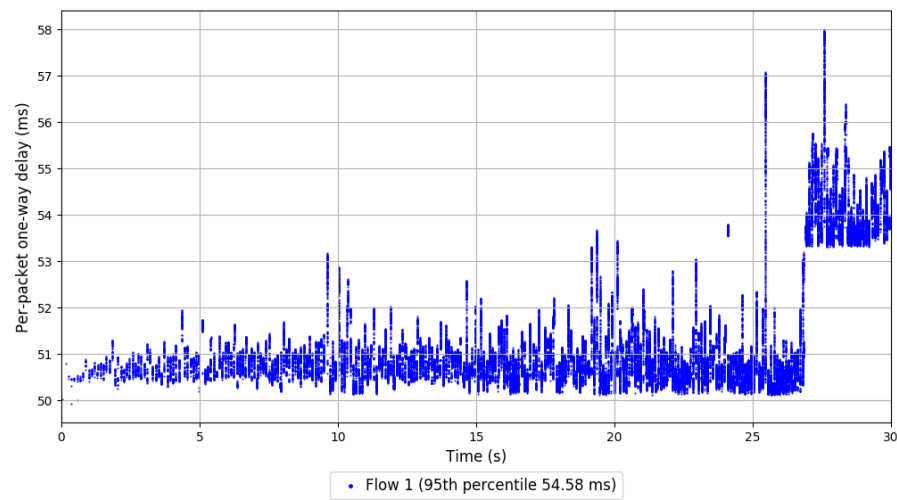
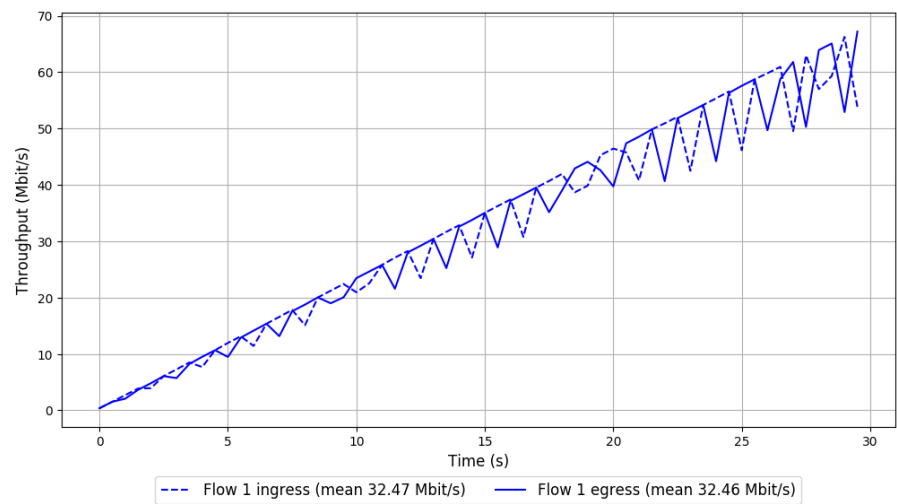
-- Flow 1:

Average throughput: 32.46 Mbit/s

95th percentile per-packet one-way delay: 54.579 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-03-20 17:32:57

End at: 2018-03-20 17:33:27

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.55 Mbit/s

95th percentile per-packet one-way delay: 54.325 ms

Loss rate: 0.00%

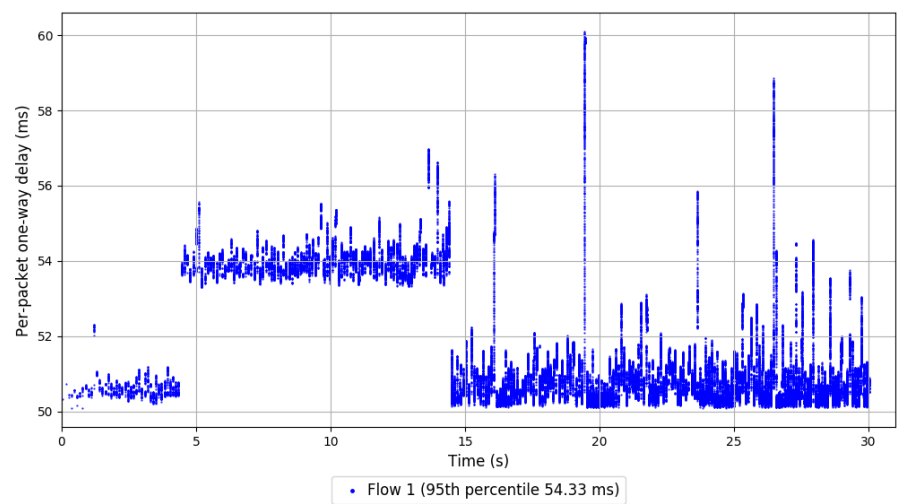
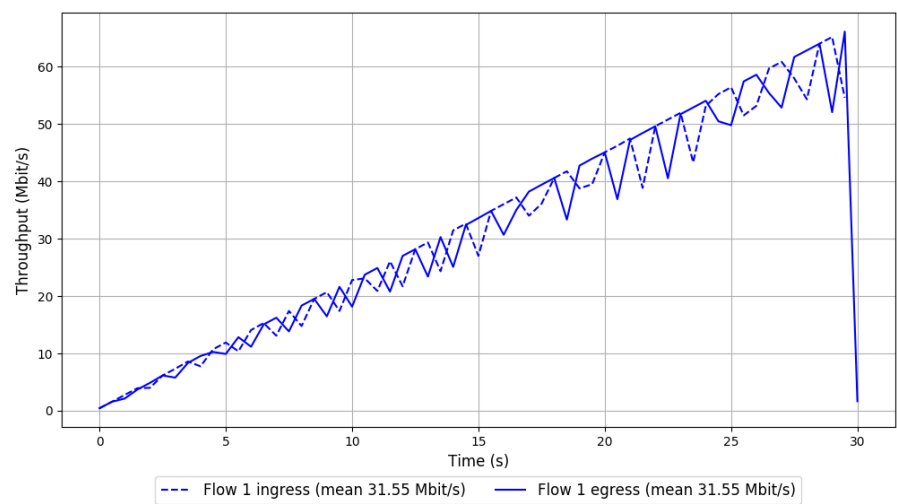
-- Flow 1:

Average throughput: 31.55 Mbit/s

95th percentile per-packet one-way delay: 54.325 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-03-20 17:47:32

End at: 2018-03-20 17:48:02

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.23 Mbit/s

95th percentile per-packet one-way delay: 54.384 ms

Loss rate: 0.00%

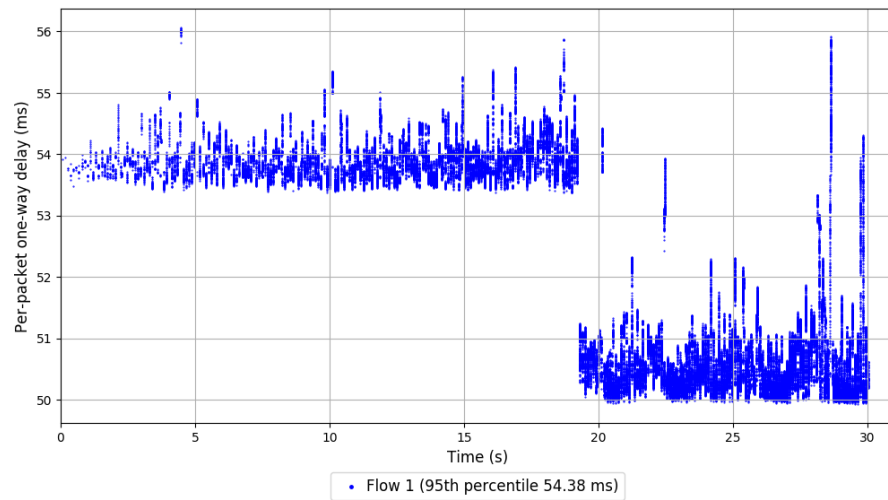
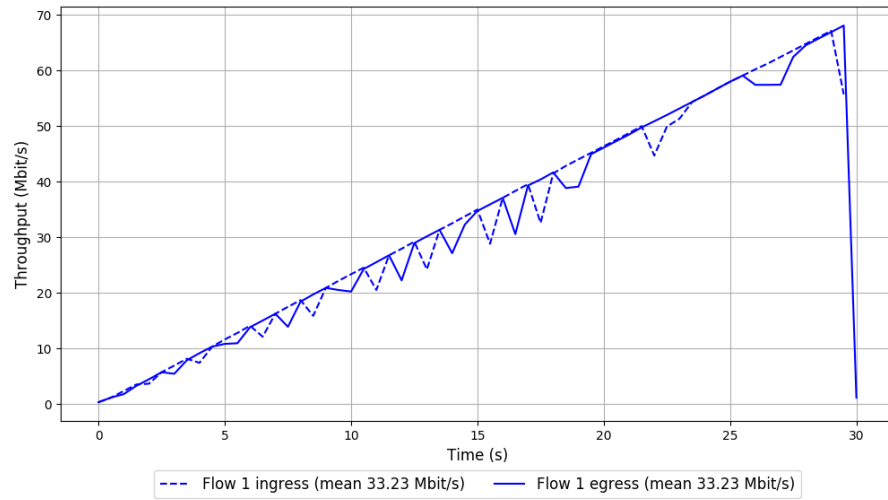
-- Flow 1:

Average throughput: 33.23 Mbit/s

95th percentile per-packet one-way delay: 54.384 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-03-20 18:01:55

End at: 2018-03-20 18:02:25

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.16 Mbit/s

95th percentile per-packet one-way delay: 54.545 ms

Loss rate: 0.00%

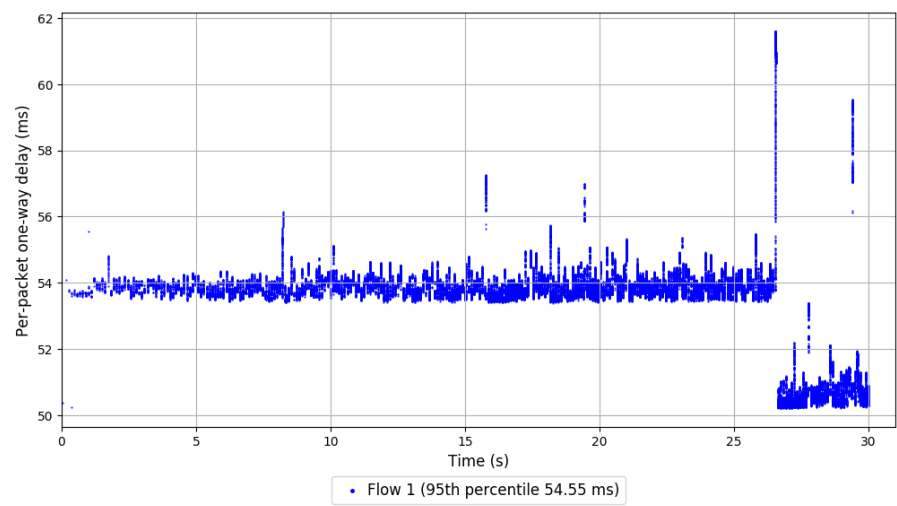
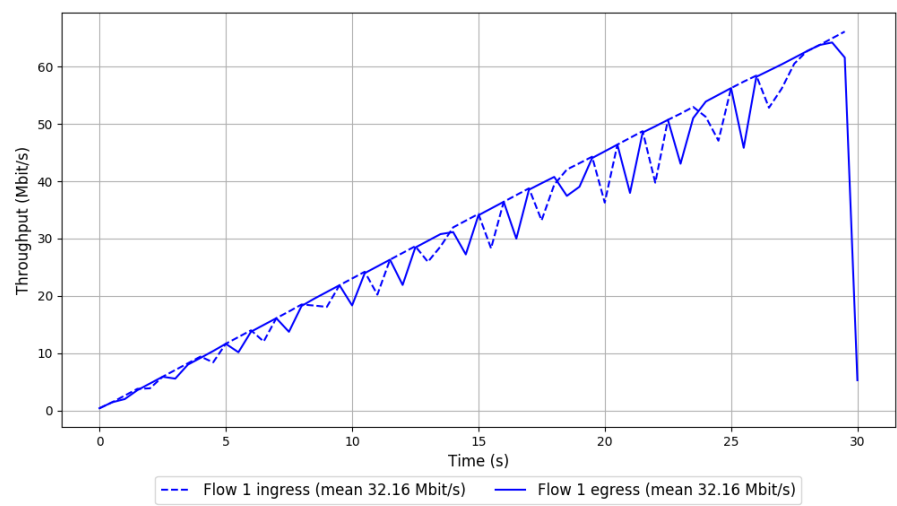
-- Flow 1:

Average throughput: 32.16 Mbit/s

95th percentile per-packet one-way delay: 54.545 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-03-20 18:16:19

End at: 2018-03-20 18:16:49

Below is generated by plot.py at 2018-03-20 20:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.76 Mbit/s

95th percentile per-packet one-way delay: 51.844 ms

Loss rate: 0.00%

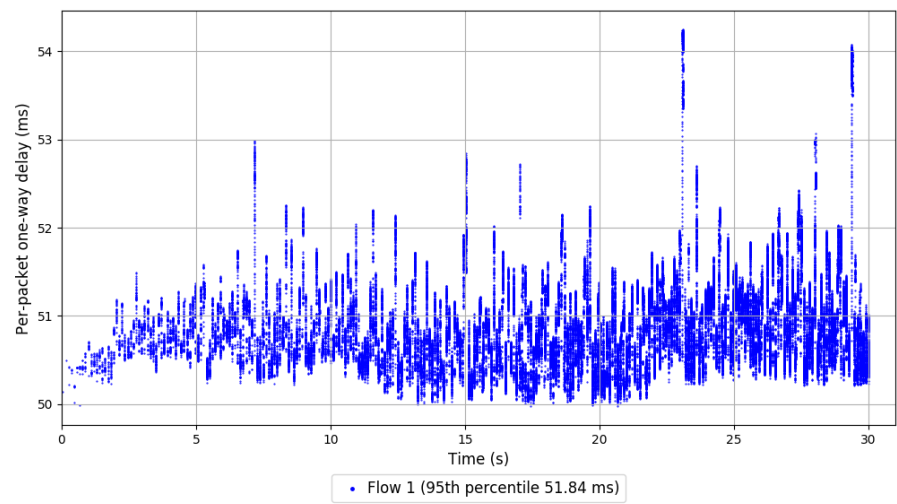
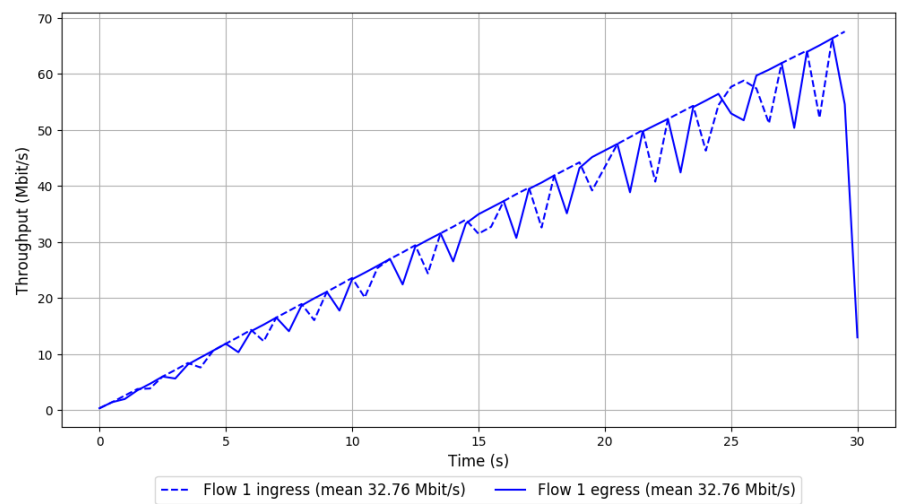
-- Flow 1:

Average throughput: 32.76 Mbit/s

95th percentile per-packet one-way delay: 51.844 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

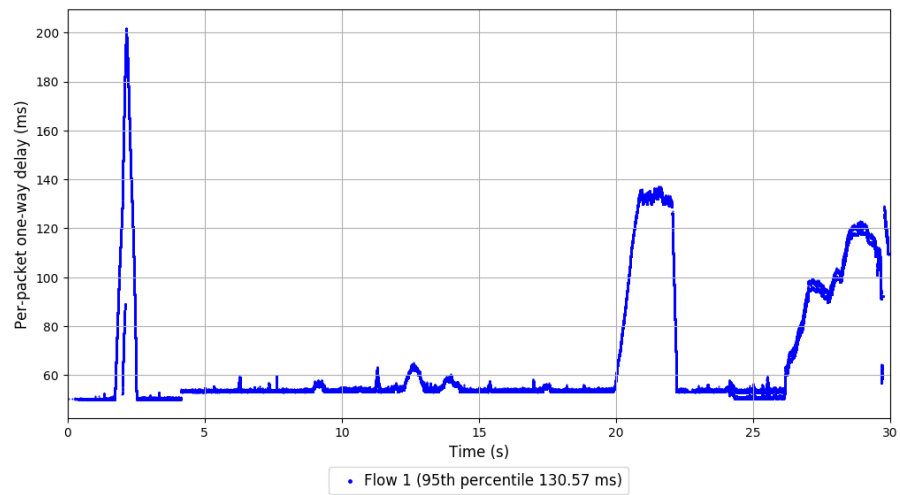
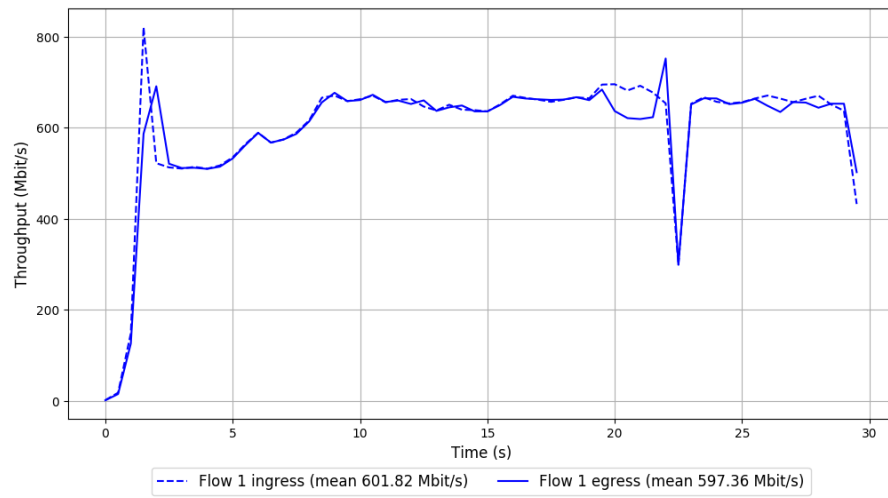


```
Run 1: Statistics of PCC

Start at: 2018-03-20 16:01:27
End at: 2018-03-20 16:01:57

# Below is generated by plot.py at 2018-03-20 20:14:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 597.36 Mbit/s
95th percentile per-packet one-way delay: 130.573 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 597.36 Mbit/s
95th percentile per-packet one-way delay: 130.573 ms
Loss rate: 0.73%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-20 16:15:43

End at: 2018-03-20 16:16:13

Below is generated by plot.py at 2018-03-20 20:14:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 541.81 Mbit/s

95th percentile per-packet one-way delay: 191.804 ms

Loss rate: 4.11%

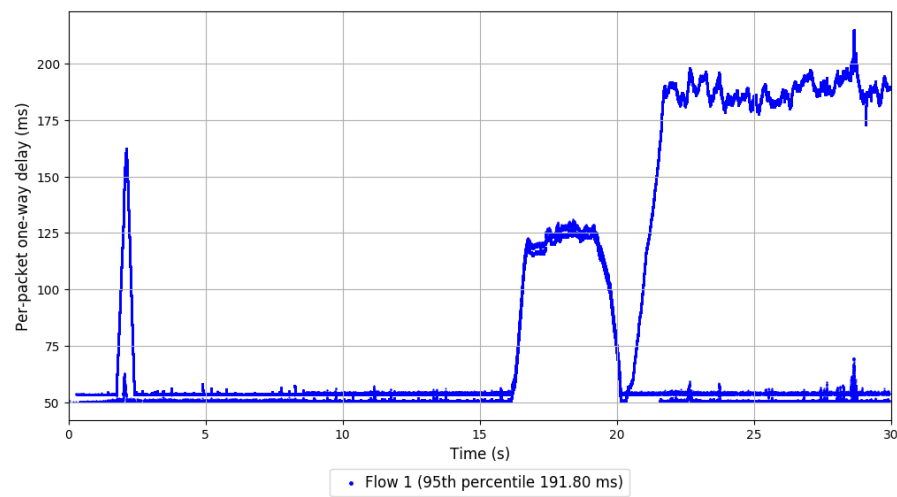
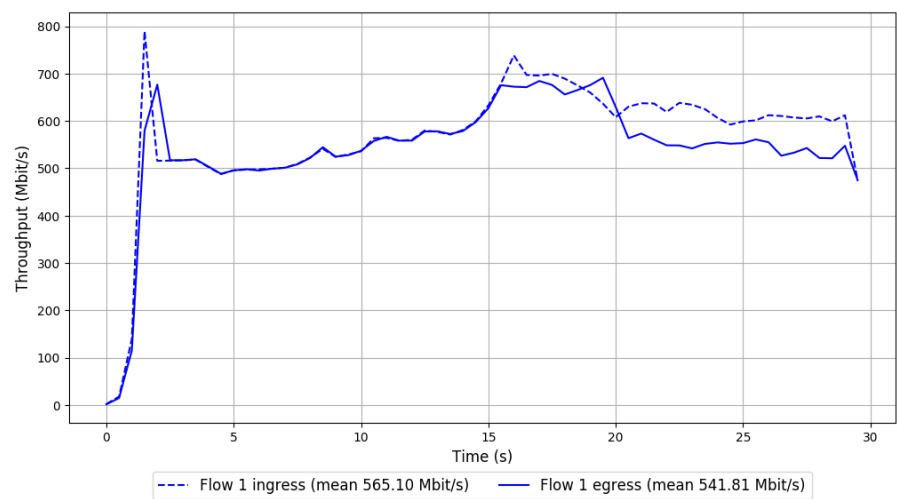
-- Flow 1:

Average throughput: 541.81 Mbit/s

95th percentile per-packet one-way delay: 191.804 ms

Loss rate: 4.11%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-03-20 16:30:04

End at: 2018-03-20 16:30:34

Below is generated by plot.py at 2018-03-20 20:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 635.42 Mbit/s

95th percentile per-packet one-way delay: 163.494 ms

Loss rate: 0.93%

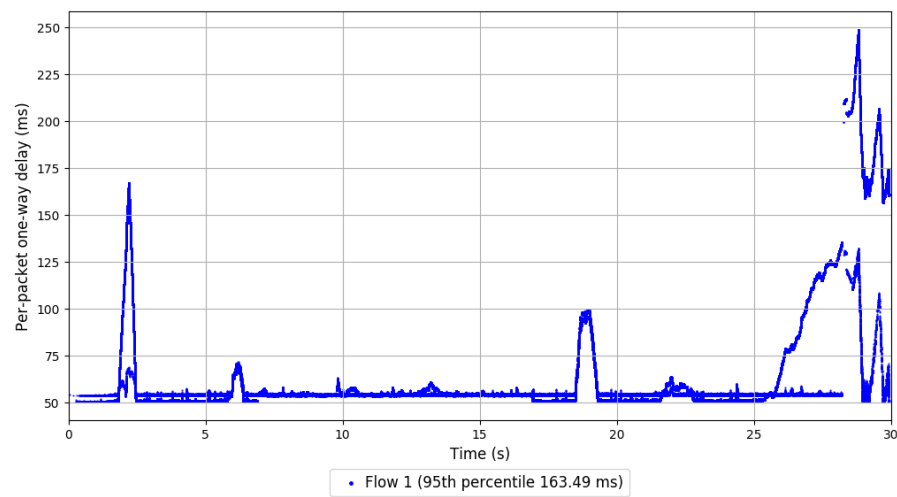
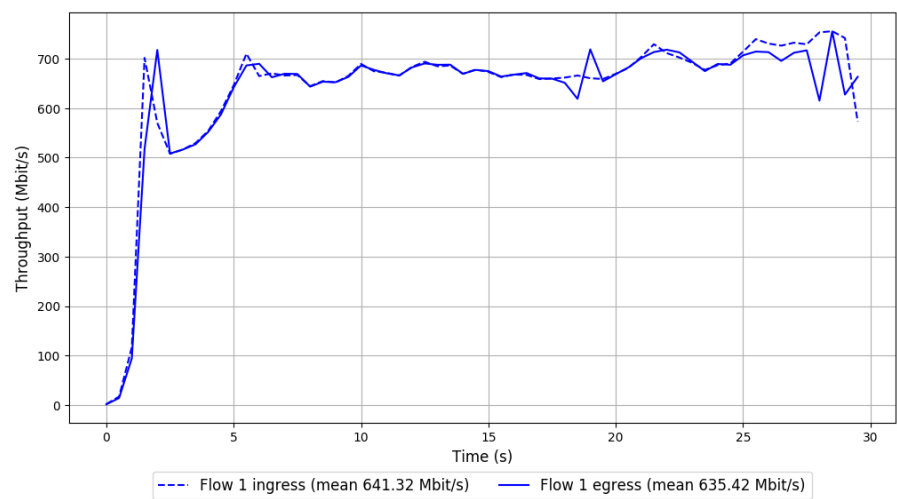
-- Flow 1:

Average throughput: 635.42 Mbit/s

95th percentile per-packet one-way delay: 163.494 ms

Loss rate: 0.93%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-03-20 16:44:37

End at: 2018-03-20 16:45:07

Below is generated by plot.py at 2018-03-20 20:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 616.91 Mbit/s

95th percentile per-packet one-way delay: 113.074 ms

Loss rate: 0.07%

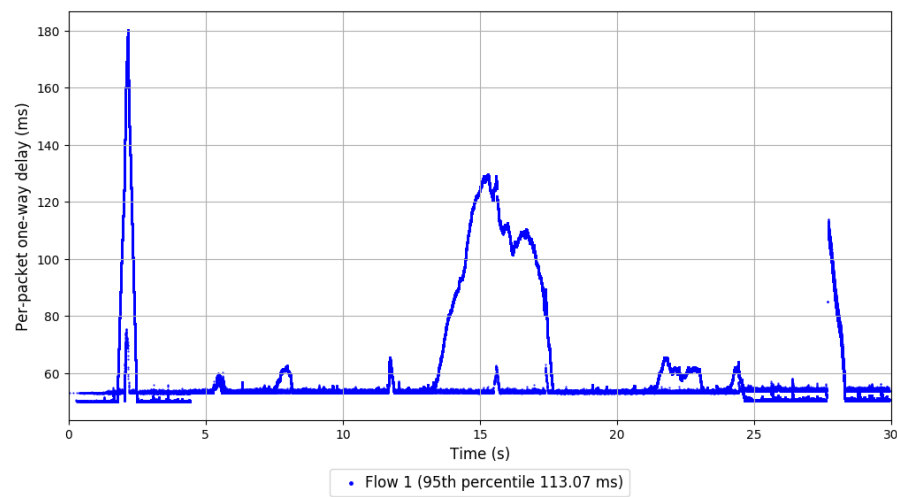
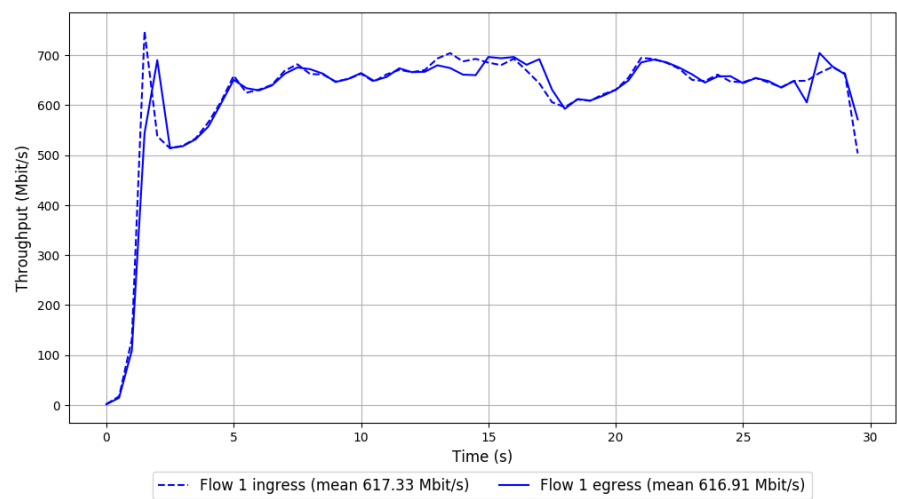
-- Flow 1:

Average throughput: 616.91 Mbit/s

95th percentile per-packet one-way delay: 113.074 ms

Loss rate: 0.07%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-03-20 16:58:52

End at: 2018-03-20 16:59:22

Below is generated by plot.py at 2018-03-20 20:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 571.64 Mbit/s

95th percentile per-packet one-way delay: 201.410 ms

Loss rate: 4.70%

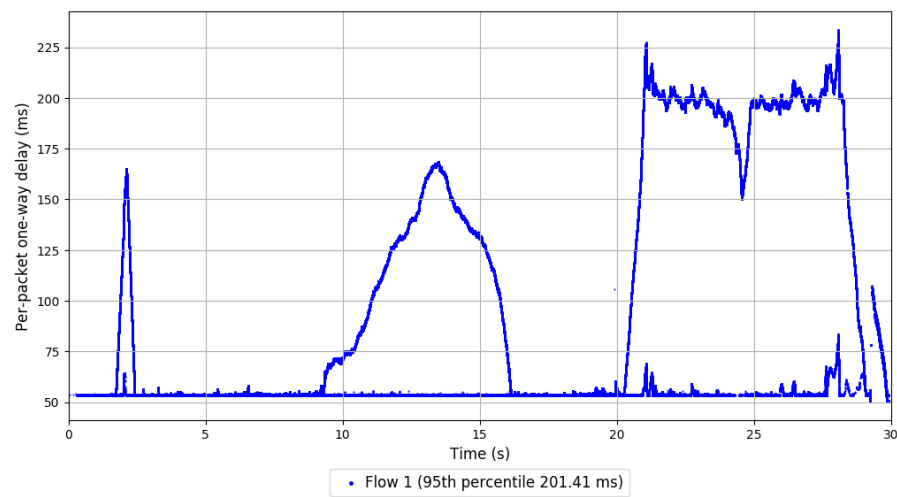
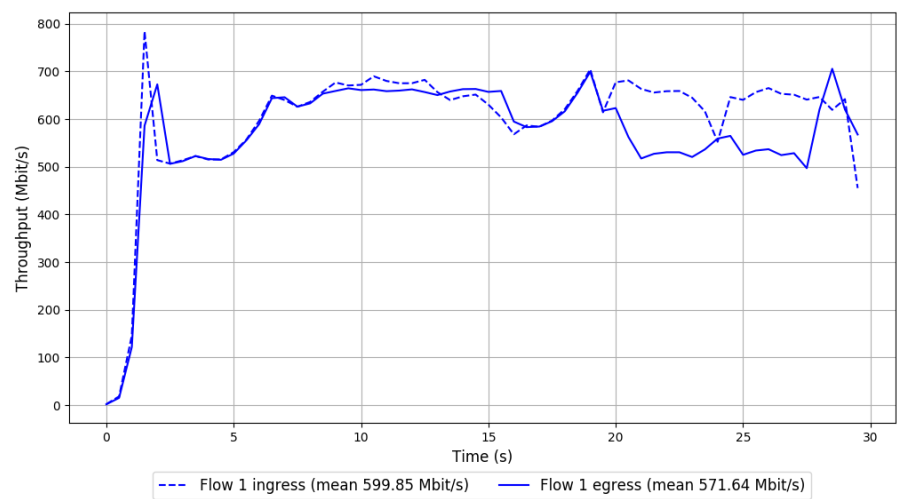
-- Flow 1:

Average throughput: 571.64 Mbit/s

95th percentile per-packet one-way delay: 201.410 ms

Loss rate: 4.70%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-03-20 17:13:09

End at: 2018-03-20 17:13:39

Below is generated by plot.py at 2018-03-20 20:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 591.66 Mbit/s

95th percentile per-packet one-way delay: 162.955 ms

Loss rate: 2.42%

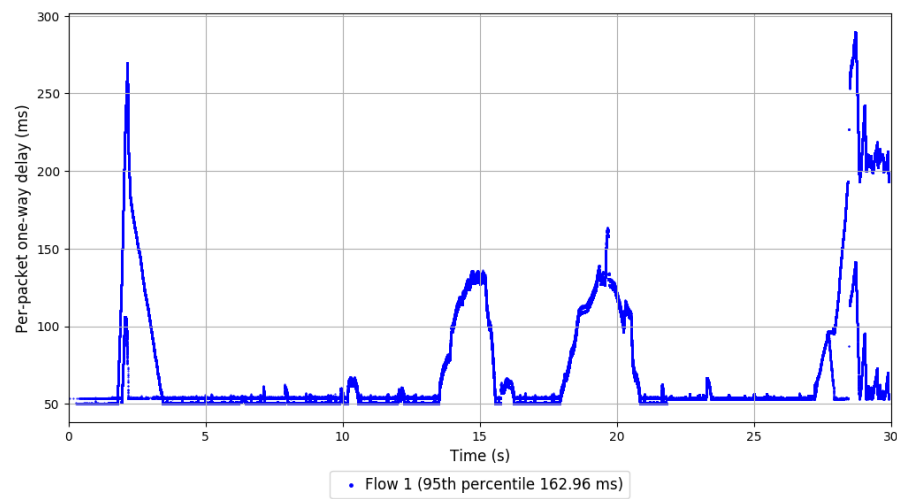
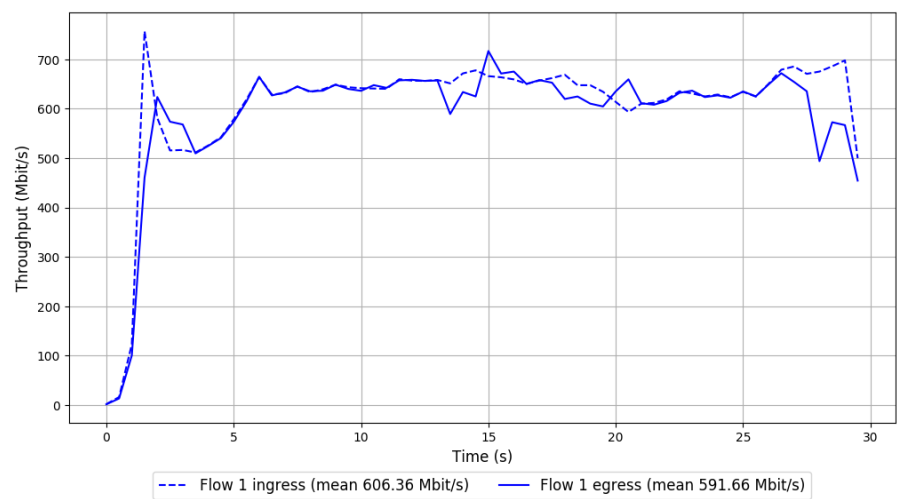
-- Flow 1:

Average throughput: 591.66 Mbit/s

95th percentile per-packet one-way delay: 162.955 ms

Loss rate: 2.42%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-03-20 17:27:24

End at: 2018-03-20 17:27:54

Below is generated by plot.py at 2018-03-20 20:14:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.04 Mbit/s

95th percentile per-packet one-way delay: 132.033 ms

Loss rate: 1.40%

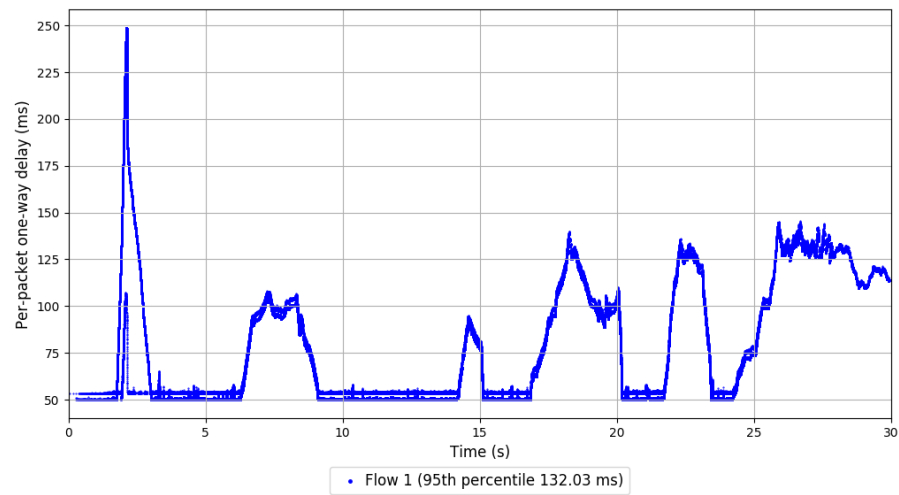
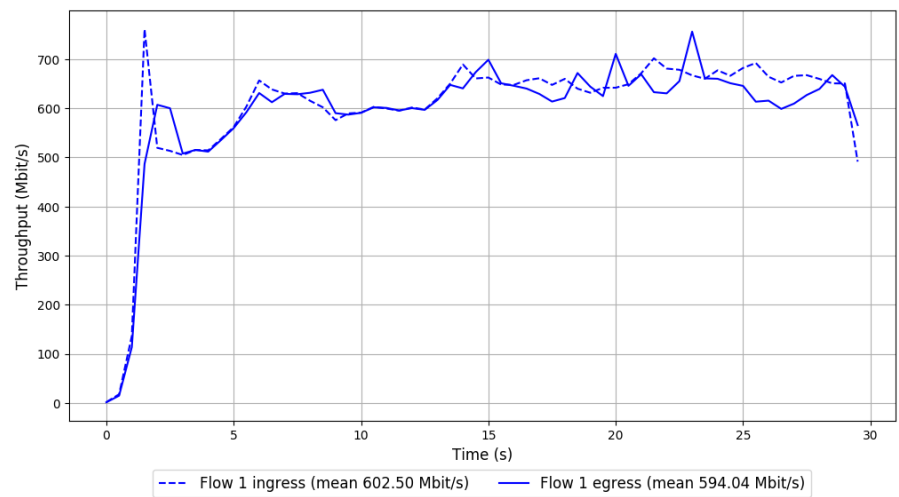
-- Flow 1:

Average throughput: 594.04 Mbit/s

95th percentile per-packet one-way delay: 132.033 ms

Loss rate: 1.40%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-20 17:41:58

End at: 2018-03-20 17:42:28

Below is generated by plot.py at 2018-03-20 20:14:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 529.54 Mbit/s

95th percentile per-packet one-way delay: 186.462 ms

Loss rate: 1.32%

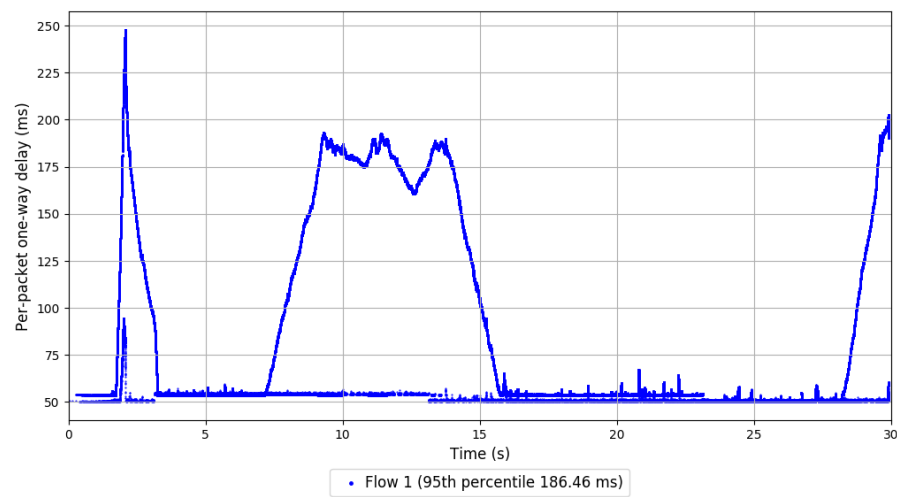
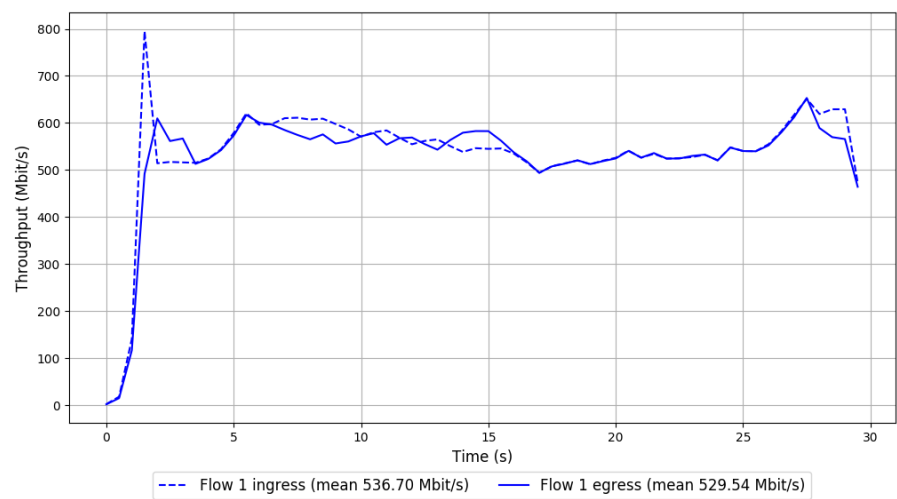
-- Flow 1:

Average throughput: 529.54 Mbit/s

95th percentile per-packet one-way delay: 186.462 ms

Loss rate: 1.32%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-20 17:56:21

End at: 2018-03-20 17:56:51

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 556.72 Mbit/s

95th percentile per-packet one-way delay: 183.103 ms

Loss rate: 1.70%

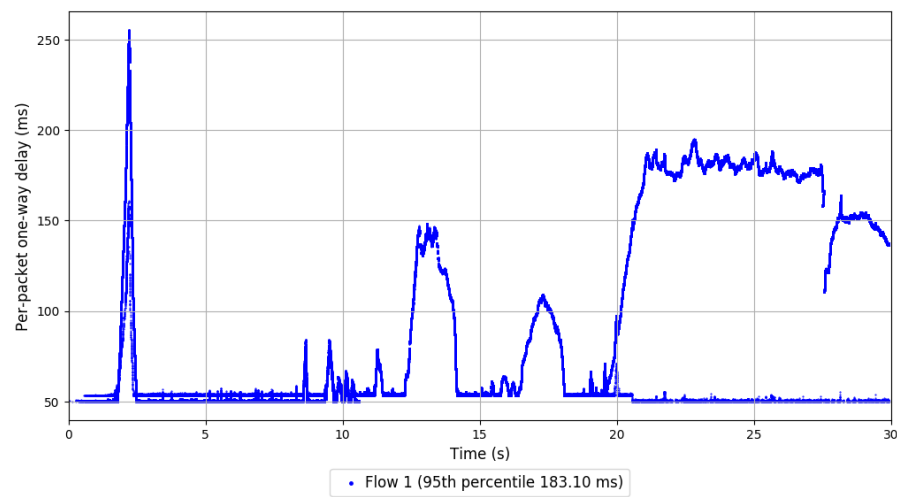
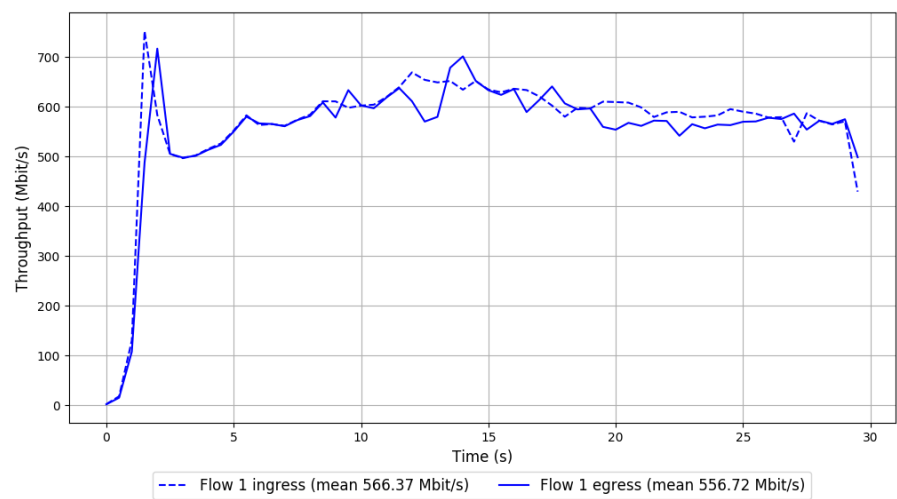
-- Flow 1:

Average throughput: 556.72 Mbit/s

95th percentile per-packet one-way delay: 183.103 ms

Loss rate: 1.70%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-20 18:10:48

End at: 2018-03-20 18:11:18

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.30 Mbit/s

95th percentile per-packet one-way delay: 56.097 ms

Loss rate: 0.25%

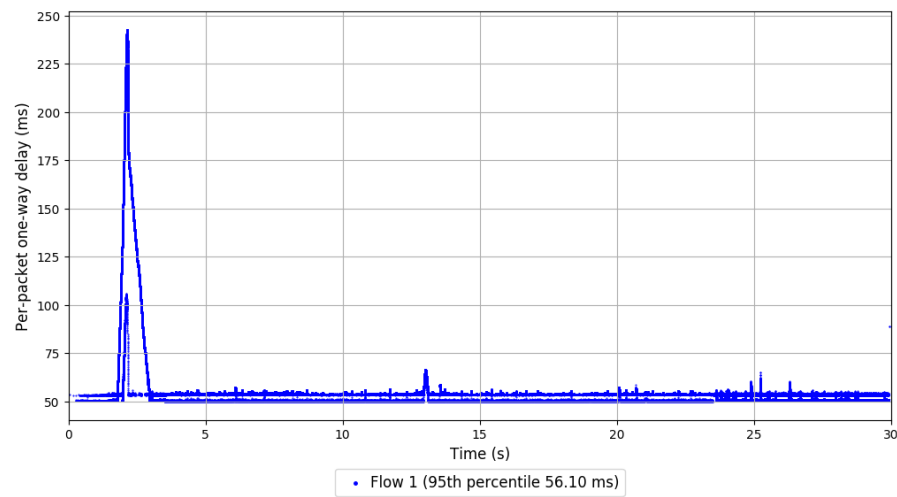
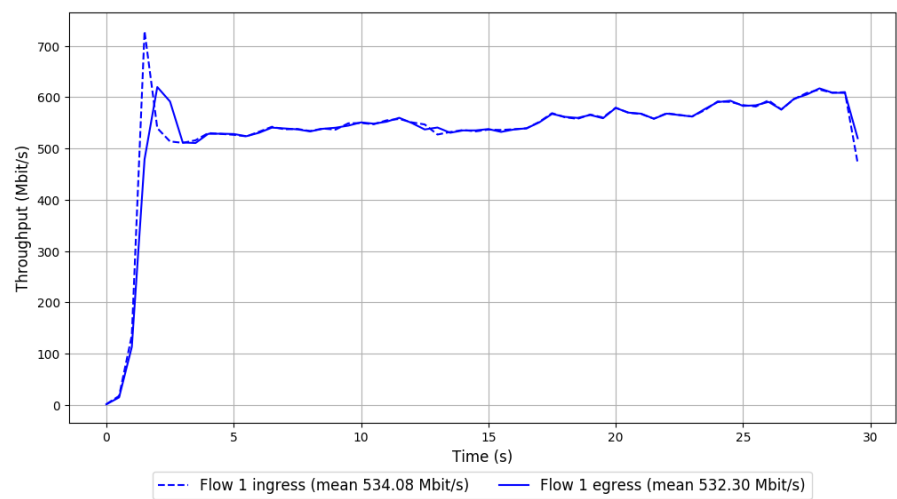
-- Flow 1:

Average throughput: 532.30 Mbit/s

95th percentile per-packet one-way delay: 56.097 ms

Loss rate: 0.25%

Run 10: Report of PCC — Data Link

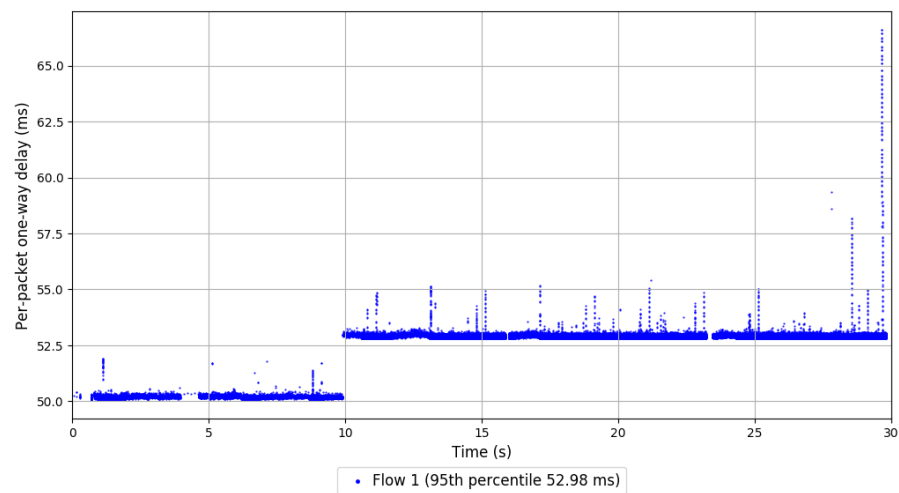
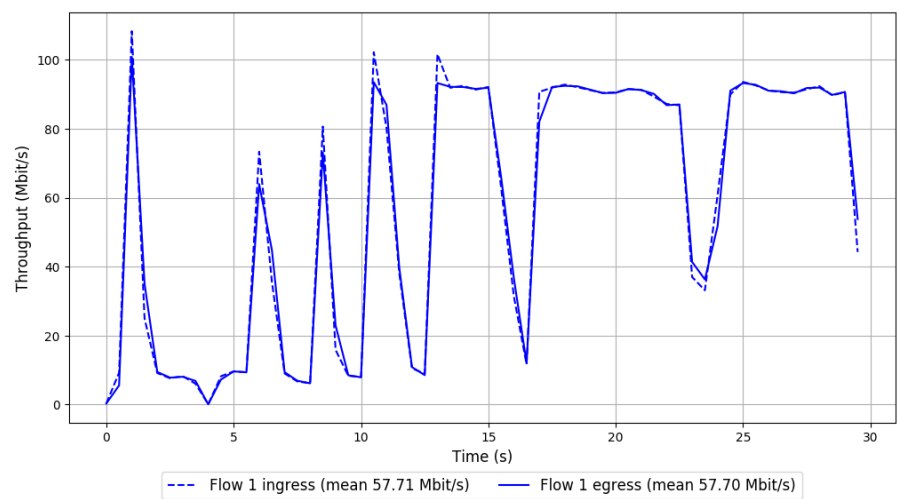


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-03-20 16:07:41
End at: 2018-03-20 16:08:11

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 52.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 52.982 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-20 16:21:55

End at: 2018-03-20 16:22:25

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 50.406 ms

Loss rate: 0.00%

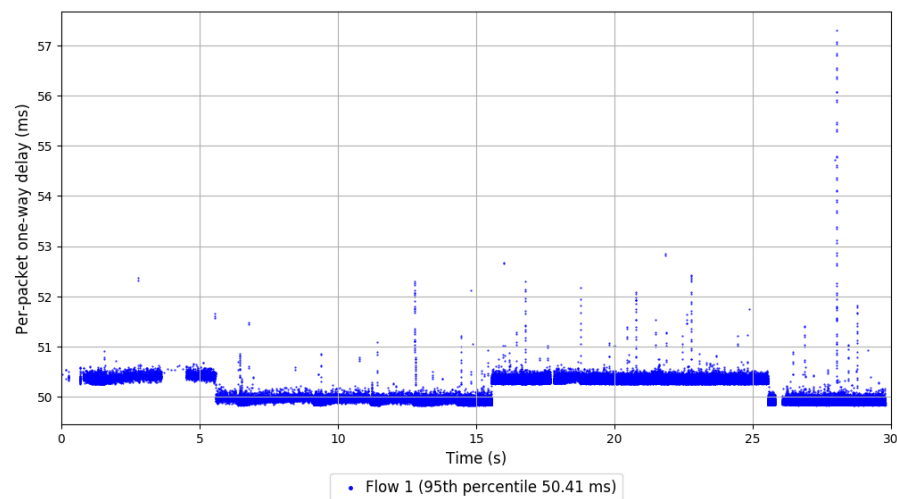
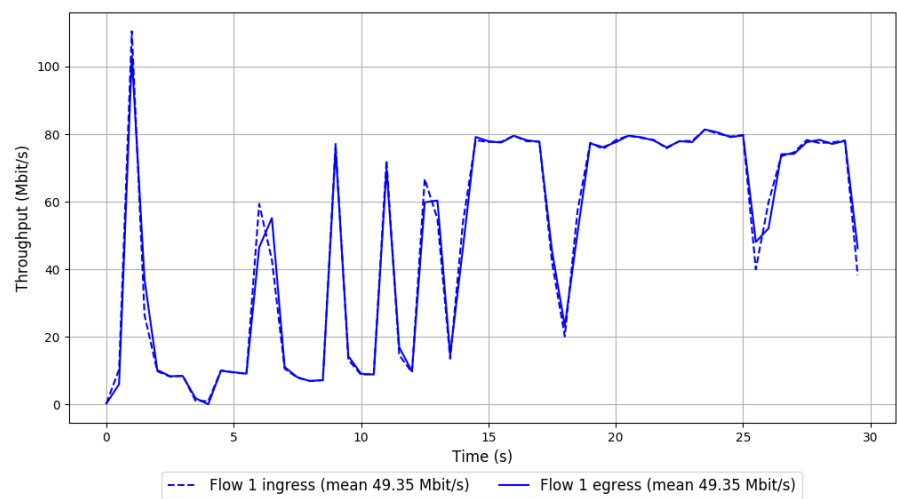
-- Flow 1:

Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 50.406 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

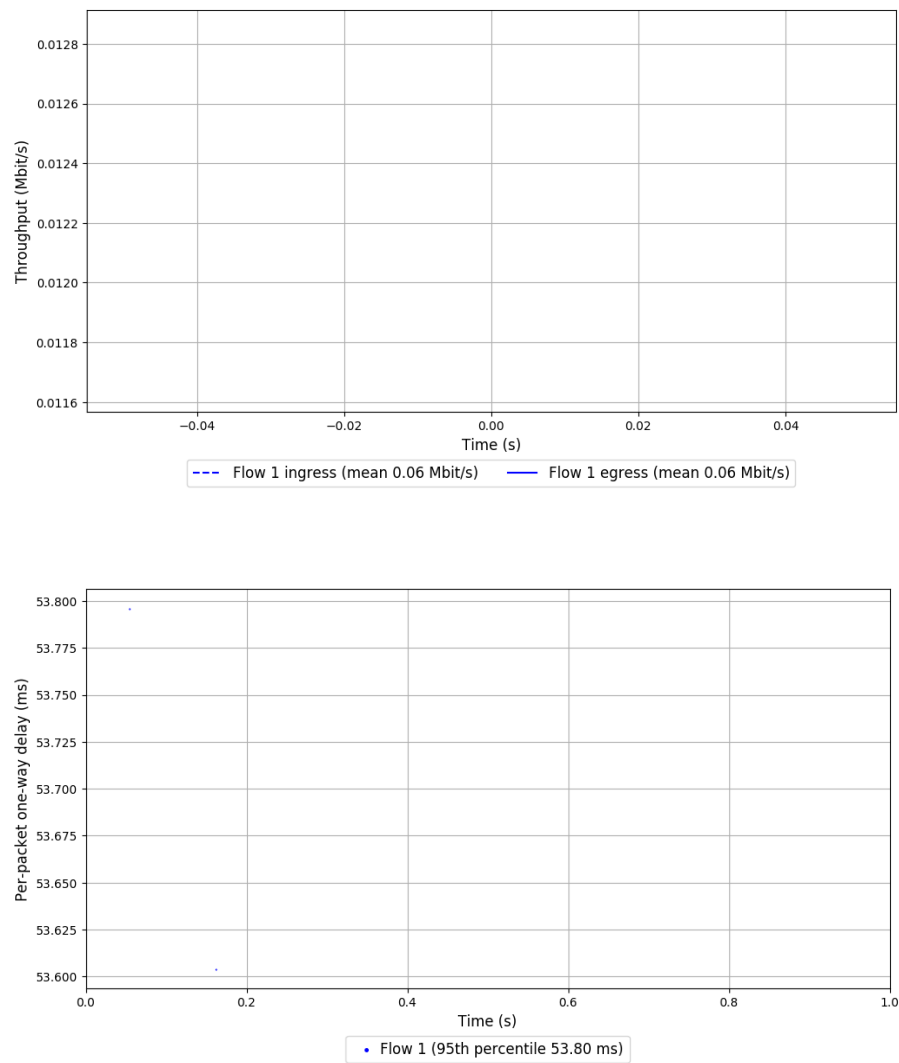


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-20 16:36:18

End at: 2018-03-20 16:36:48

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-03-20 16:50:53

End at: 2018-03-20 16:51:23

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 50.280 ms

Loss rate: 0.00%

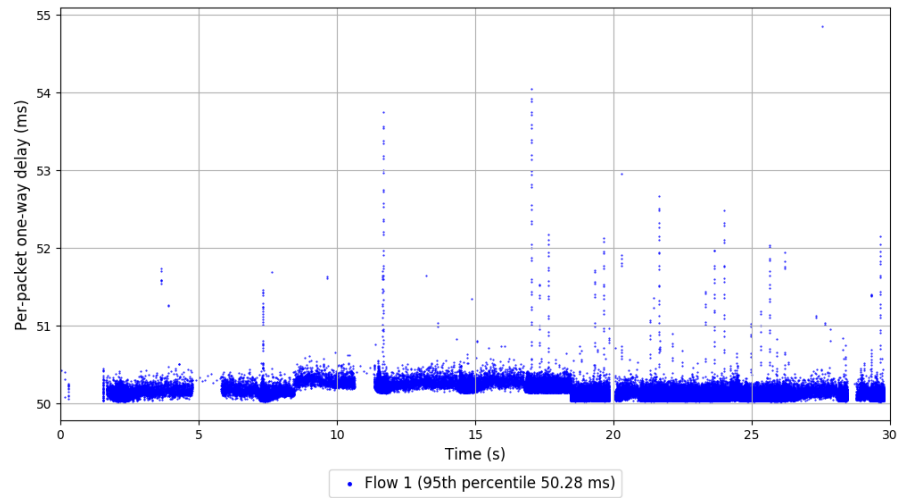
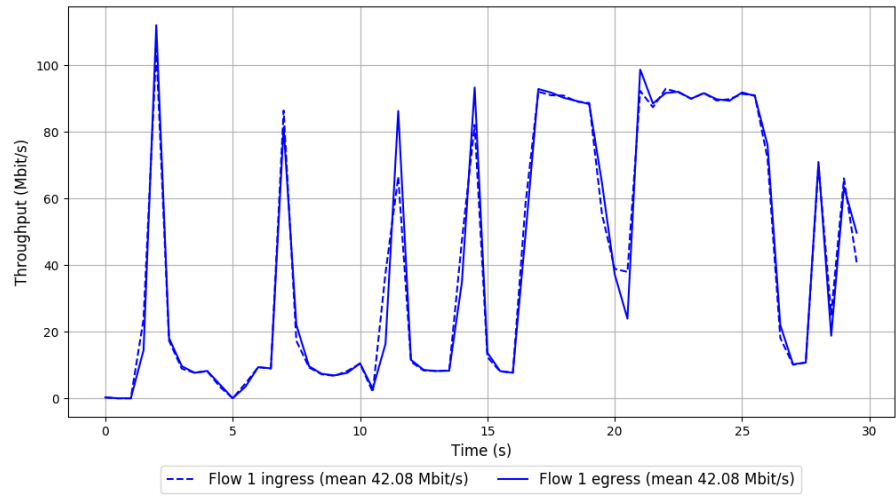
-- Flow 1:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 50.280 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

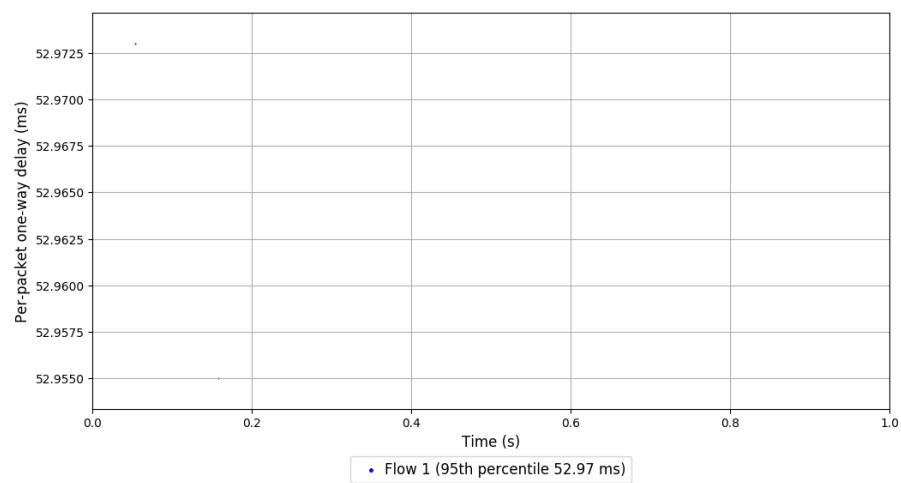
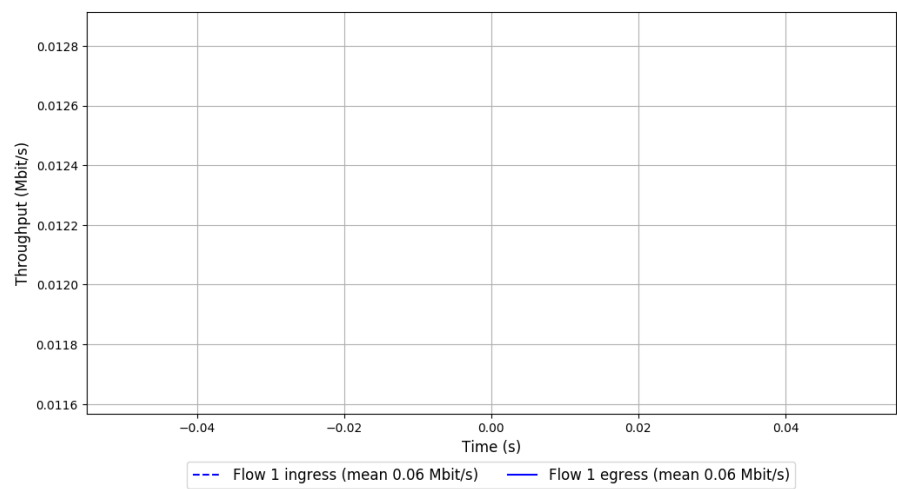


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-20 17:05:06

End at: 2018-03-20 17:05:36

Run 5: Report of QUIC Cubic — Data Link

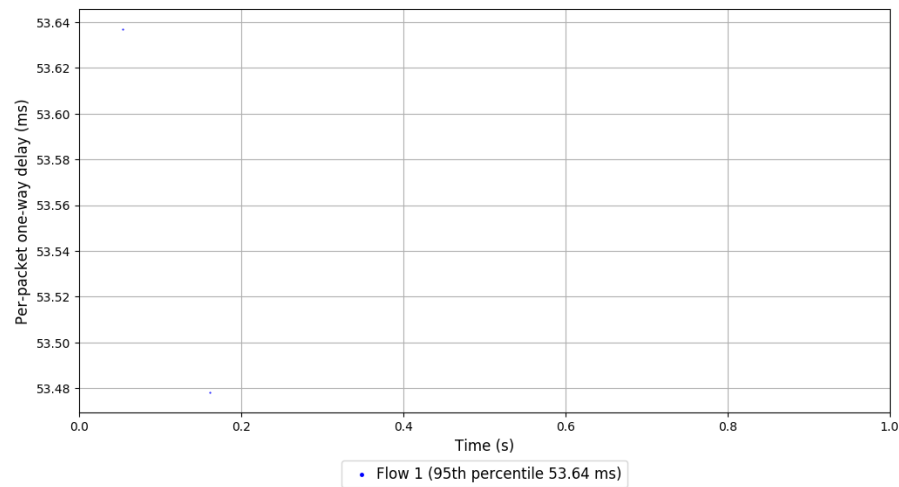
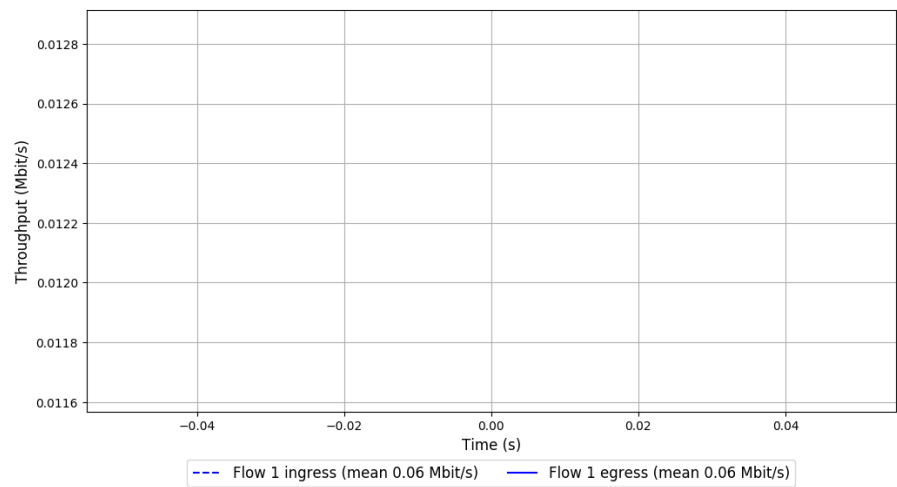


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-20 17:19:23

End at: 2018-03-20 17:19:53

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-03-20 17:33:36

End at: 2018-03-20 17:34:06

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 53.454 ms

Loss rate: 0.01%

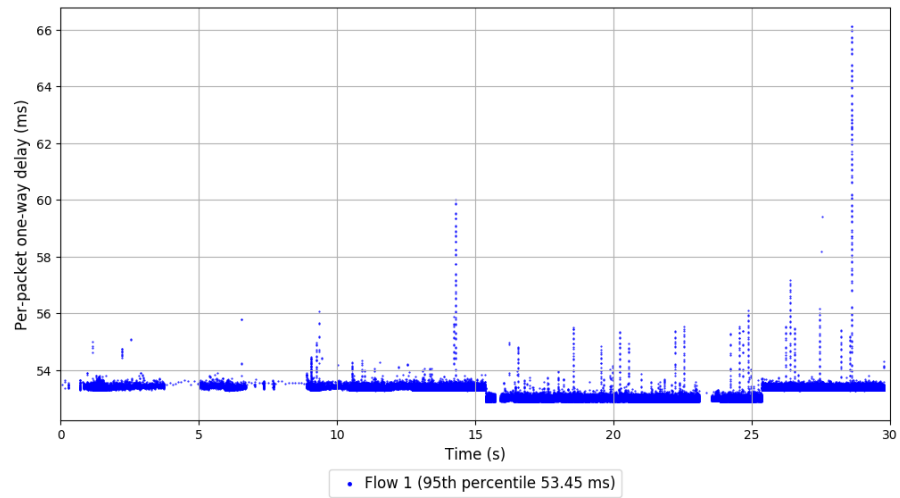
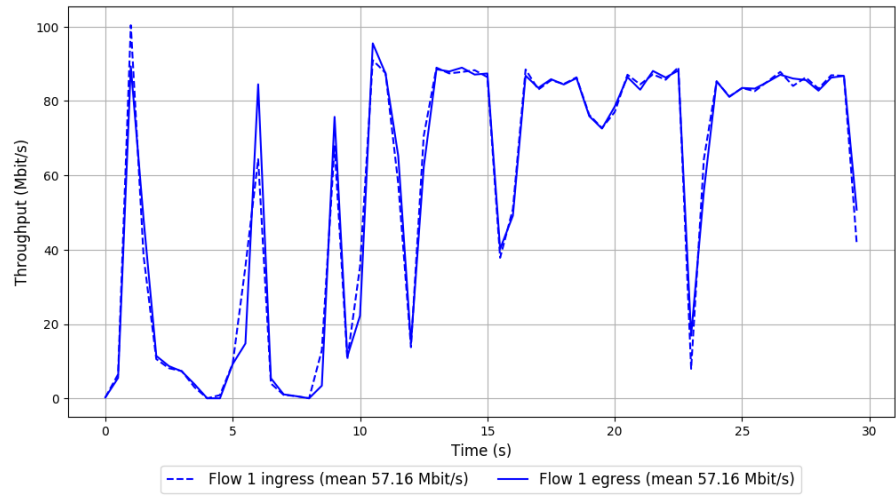
-- Flow 1:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 53.454 ms

Loss rate: 0.01%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-20 17:48:11

End at: 2018-03-20 17:48:41

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.08 Mbit/s

95th percentile per-packet one-way delay: 49.953 ms

Loss rate: 0.00%

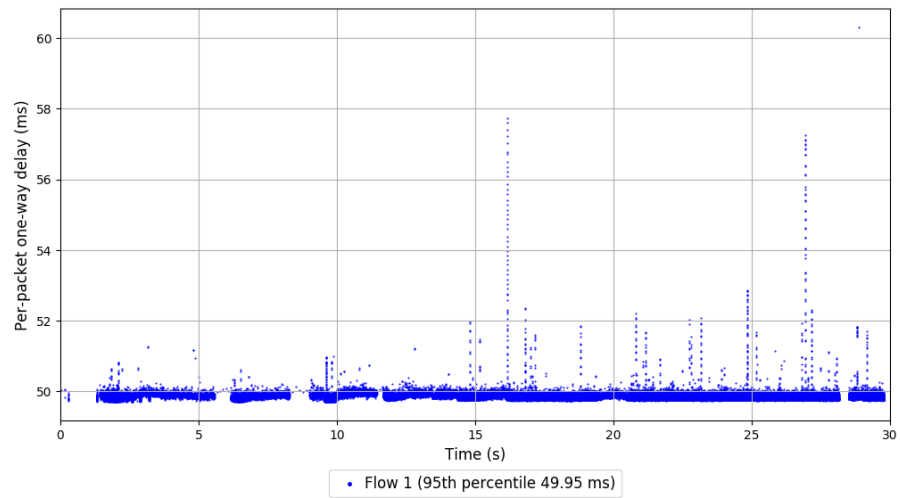
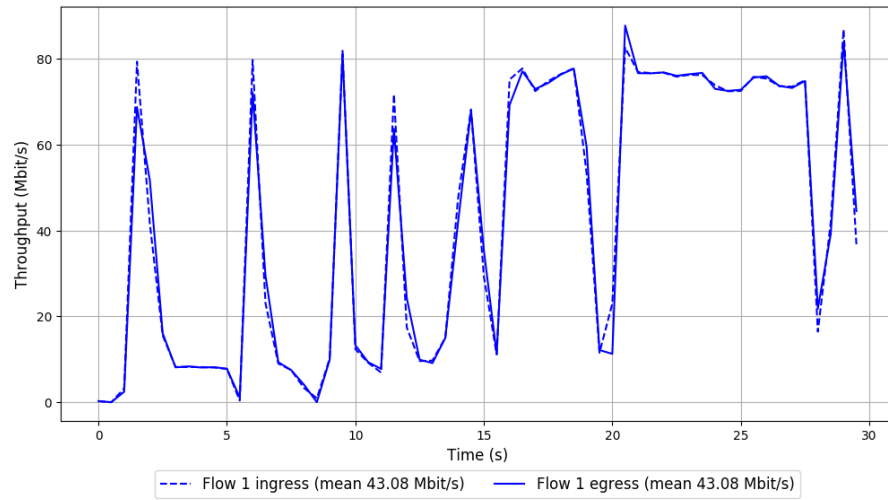
-- Flow 1:

Average throughput: 43.08 Mbit/s

95th percentile per-packet one-way delay: 49.953 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

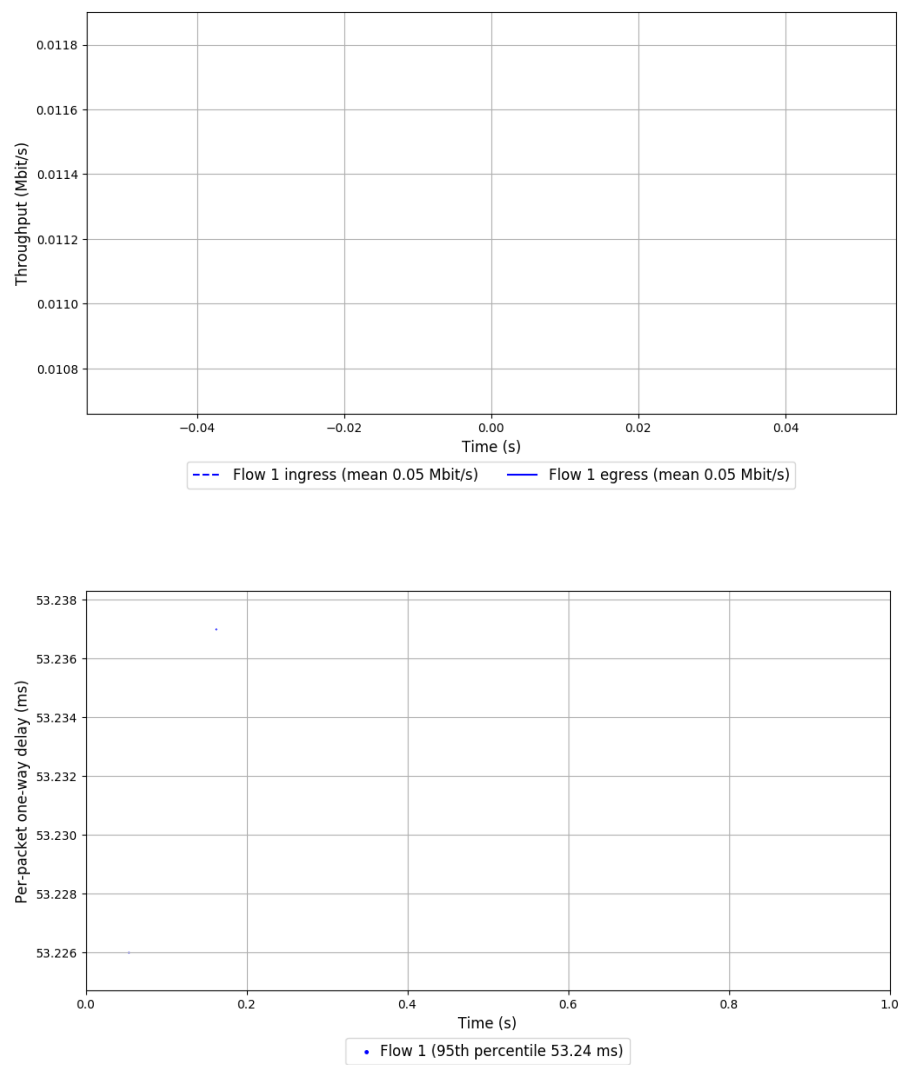


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-20 18:02:34

End at: 2018-03-20 18:03:04

Run 9: Report of QUIC Cubic — Data Link

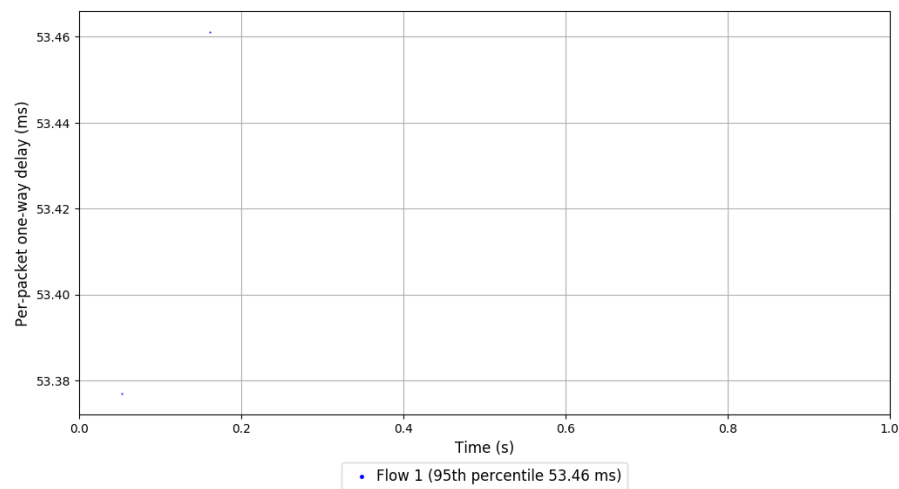
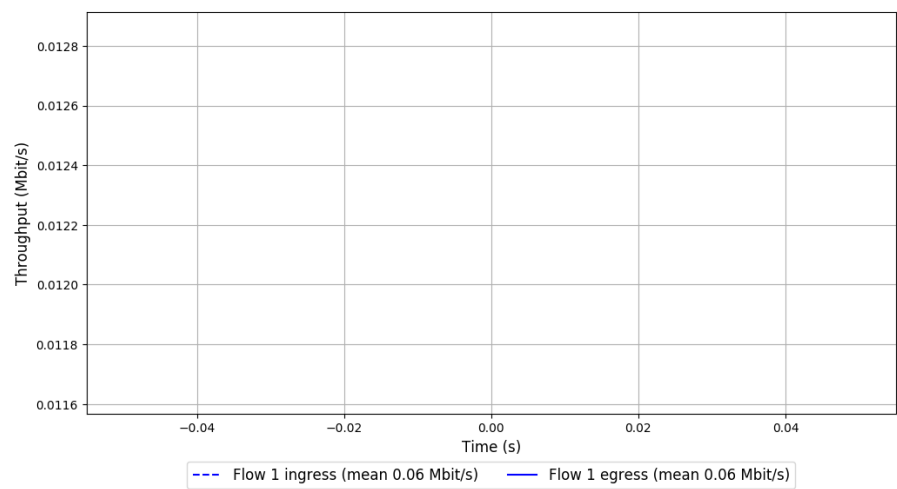


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-20 18:16:58

End at: 2018-03-20 18:17:28

Run 10: Report of QUIC Cubic — Data Link

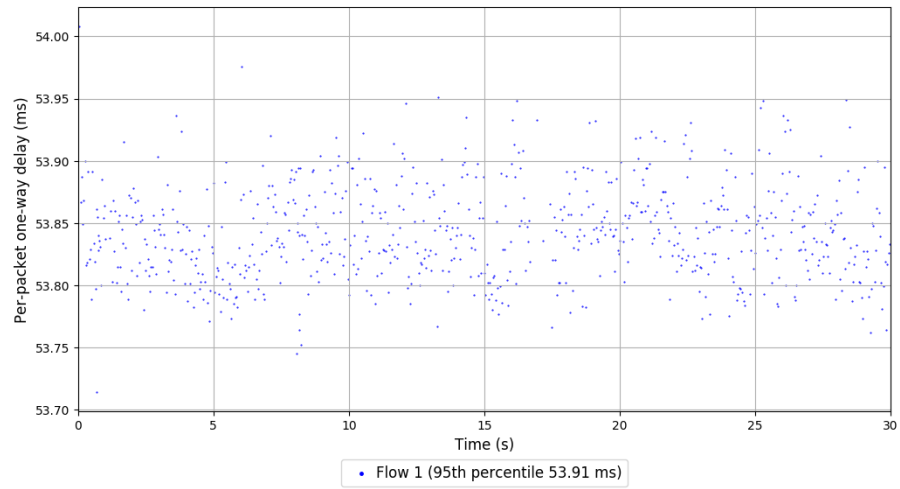
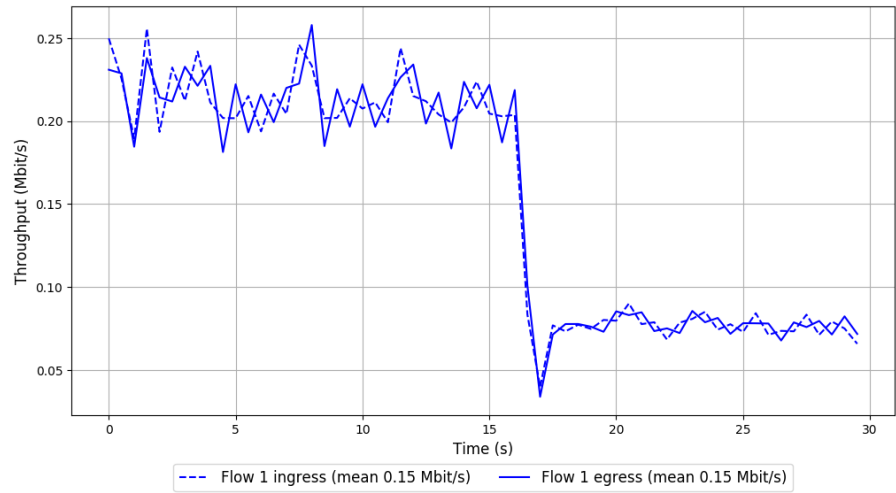


```
Run 1: Statistics of SCReAM

Start at: 2018-03-20 16:05:03
End at: 2018-03-20 16:05:33

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

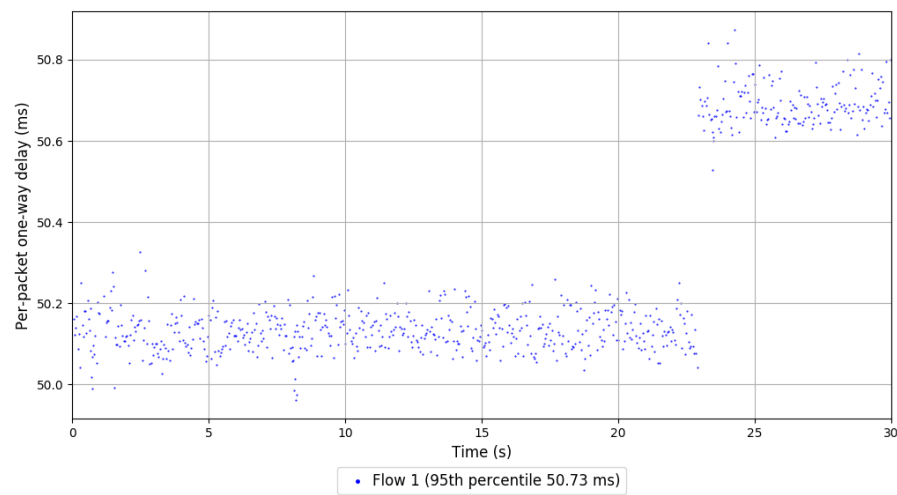
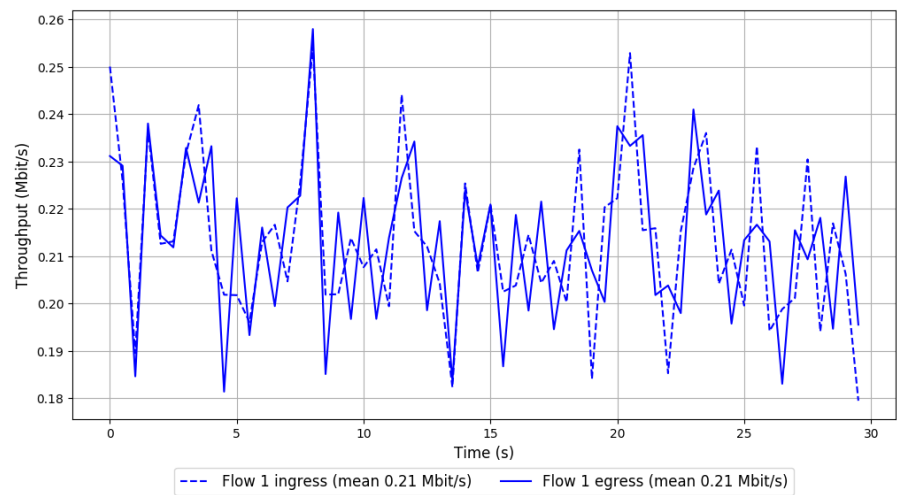


```
Run 2: Statistics of SCReAM

Start at: 2018-03-20 16:19:18
End at: 2018-03-20 16:19:48

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-03-20 16:33:39

End at: 2018-03-20 16:34:09

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.846 ms

Loss rate: 0.00%

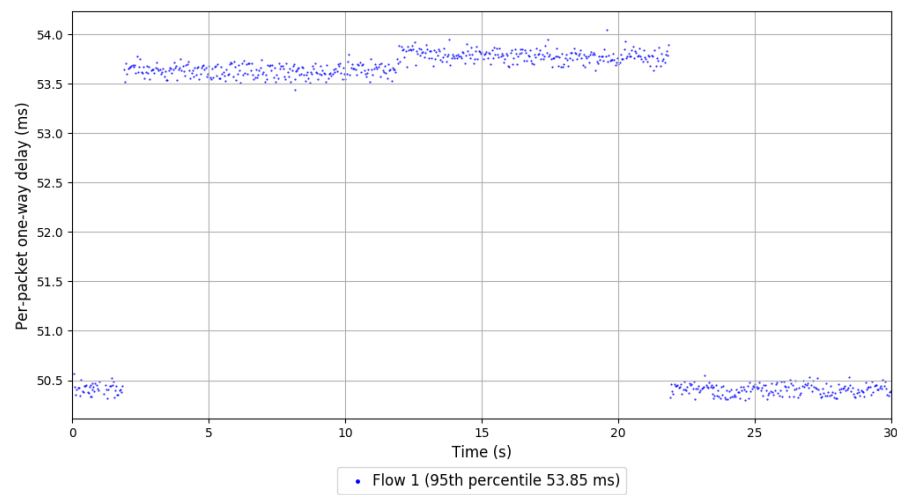
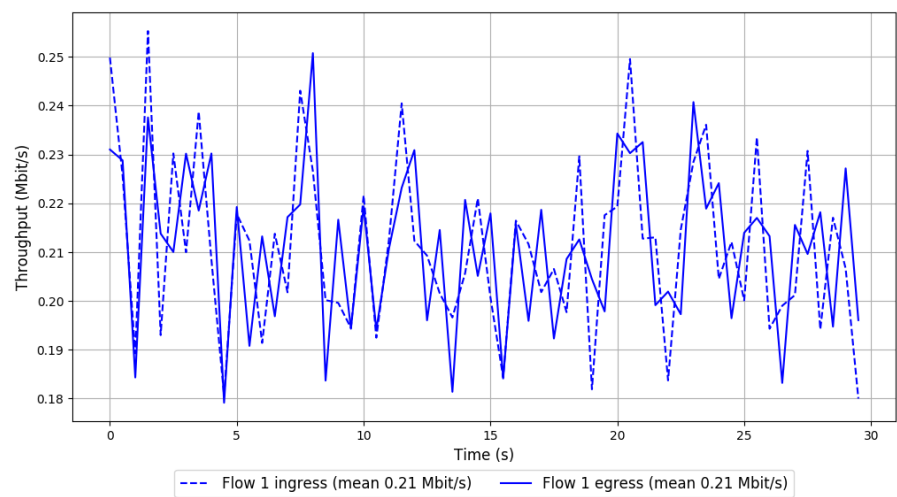
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.846 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-03-20 16:48:15

End at: 2018-03-20 16:48:45

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.315 ms

Loss rate: 0.00%

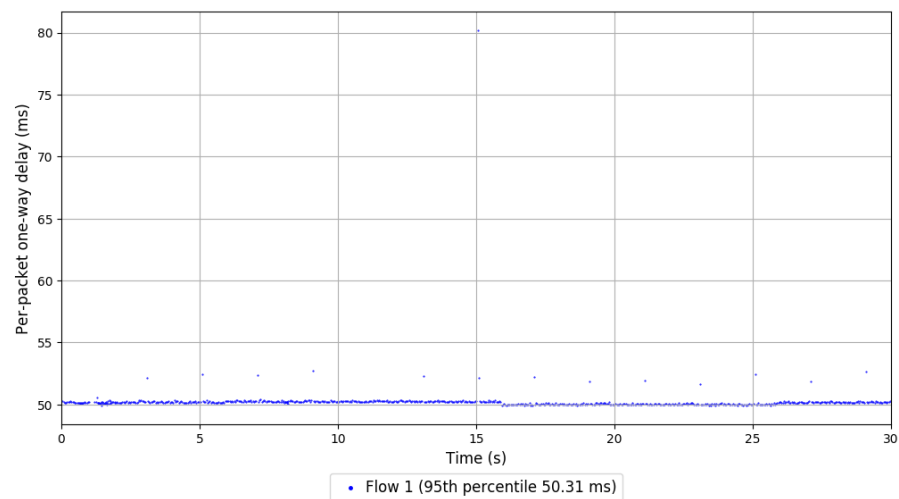
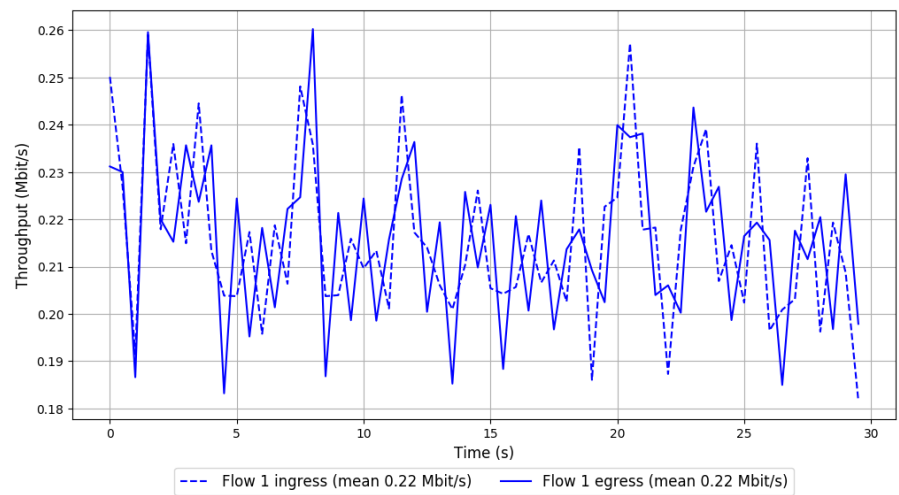
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.315 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-03-20 17:02:30

End at: 2018-03-20 17:03:00

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.676 ms

Loss rate: 0.00%

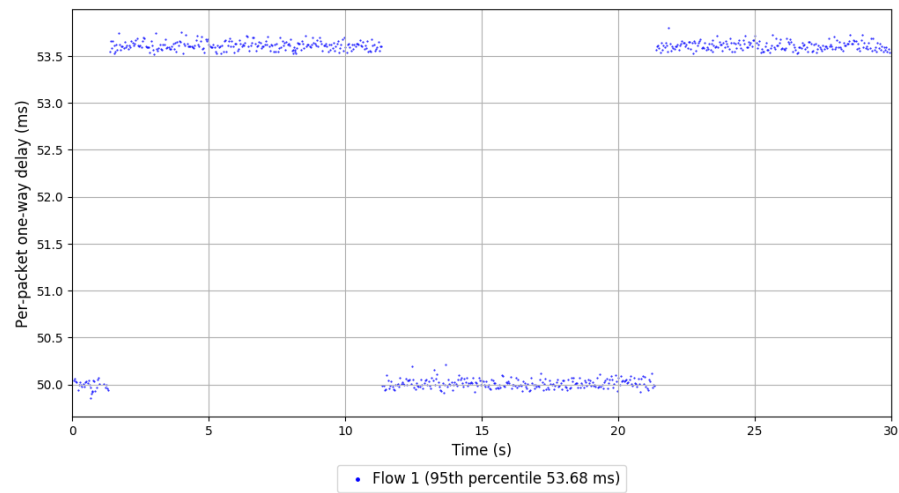
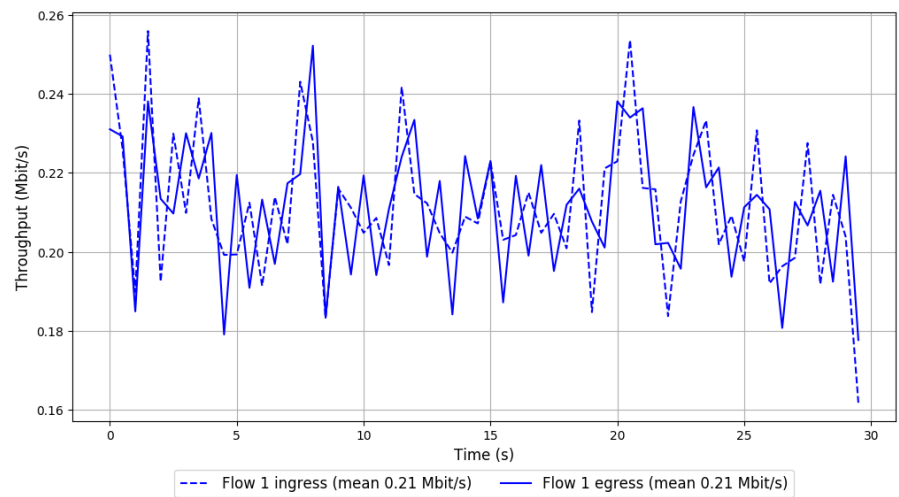
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.676 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-03-20 17:16:48

End at: 2018-03-20 17:17:18

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.310 ms

Loss rate: 0.00%

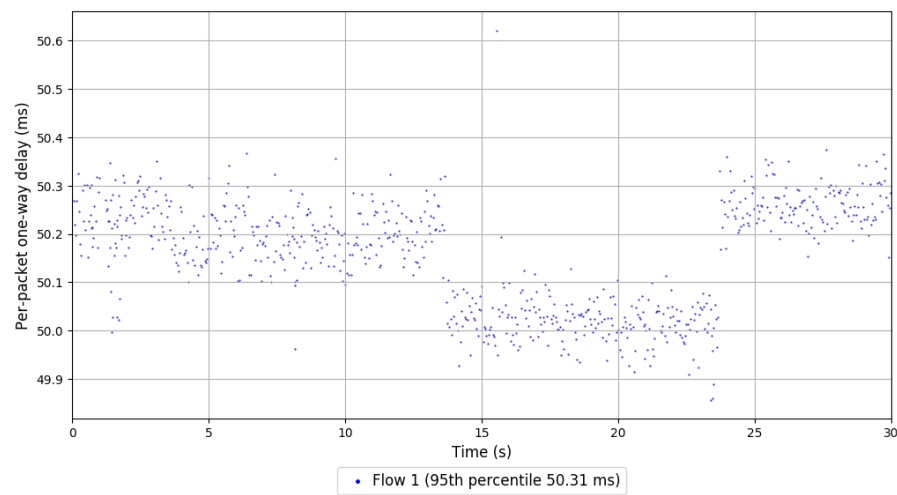
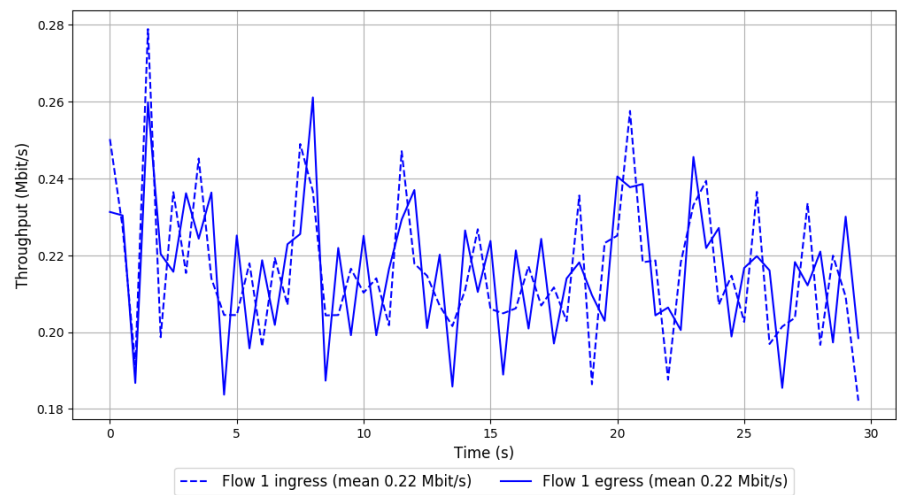
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.310 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-03-20 17:31:00

End at: 2018-03-20 17:31:30

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.00%

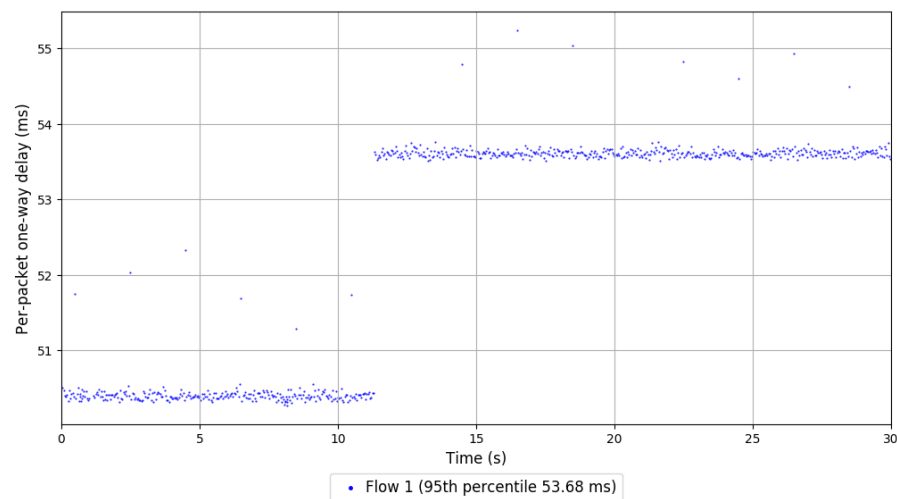
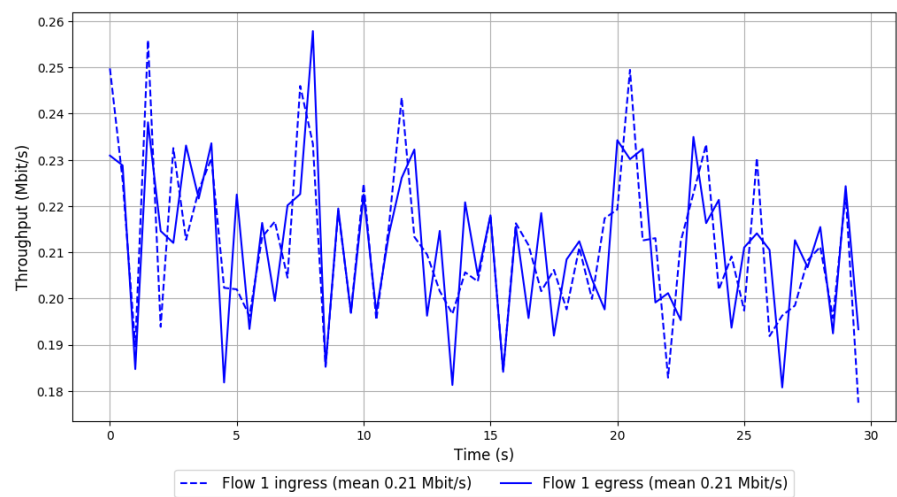
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-03-20 17:45:34

End at: 2018-03-20 17:46:04

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.314 ms

Loss rate: 0.00%

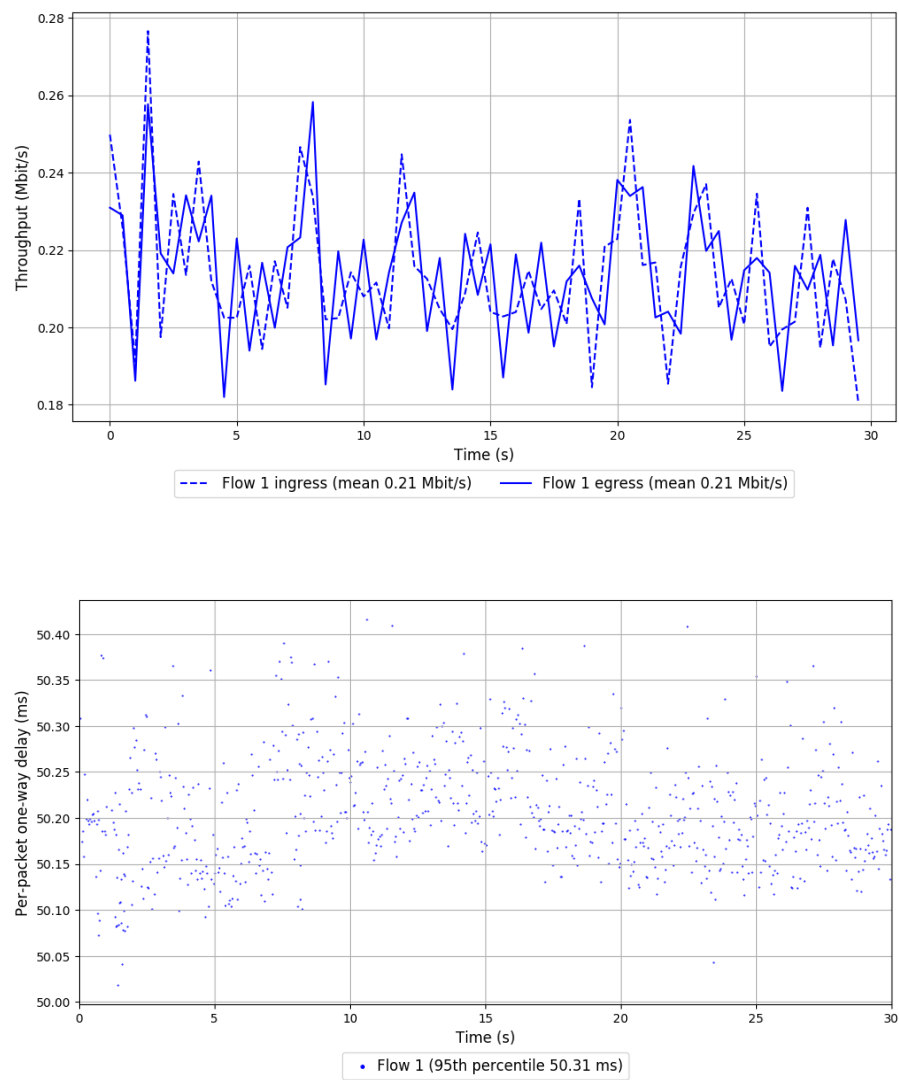
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.314 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-03-20 17:59:56

End at: 2018-03-20 18:00:26

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.981 ms

Loss rate: 0.00%

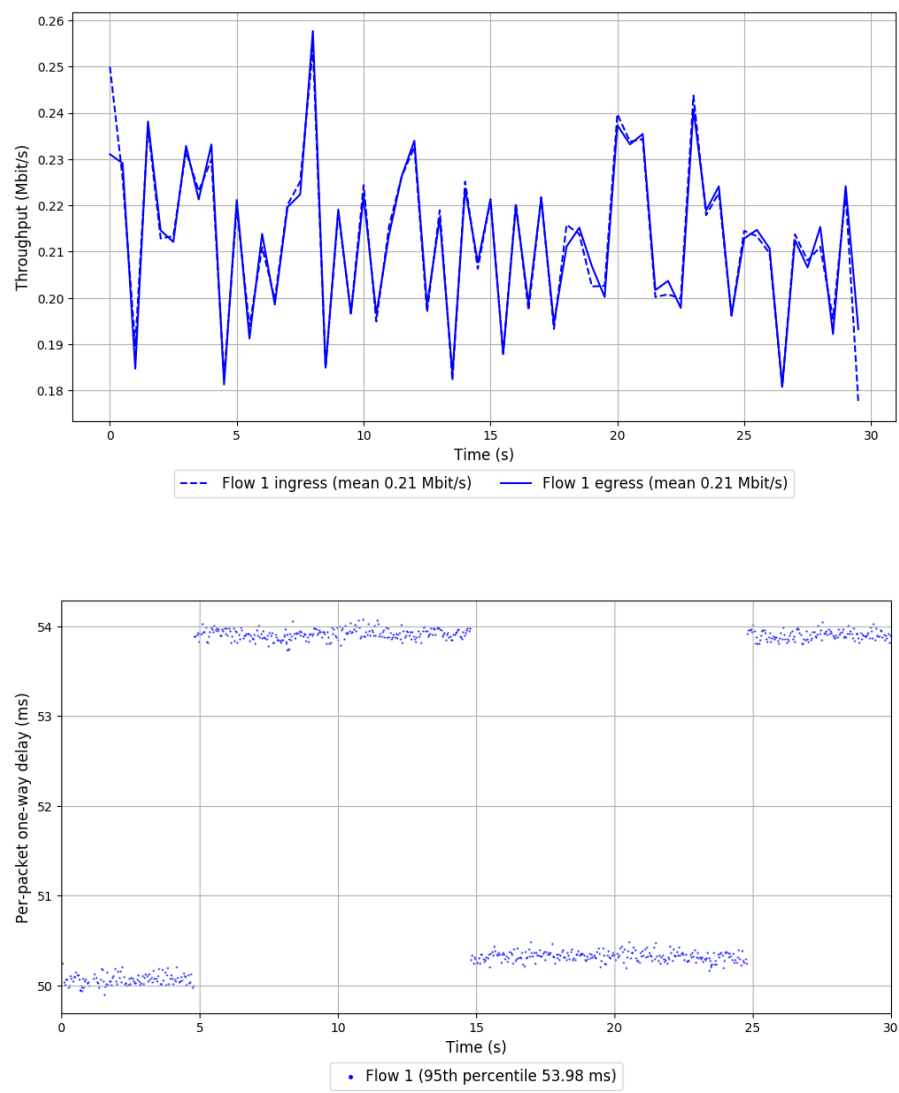
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.981 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-03-20 18:14:20

End at: 2018-03-20 18:14:50

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.235 ms

Loss rate: 0.00%

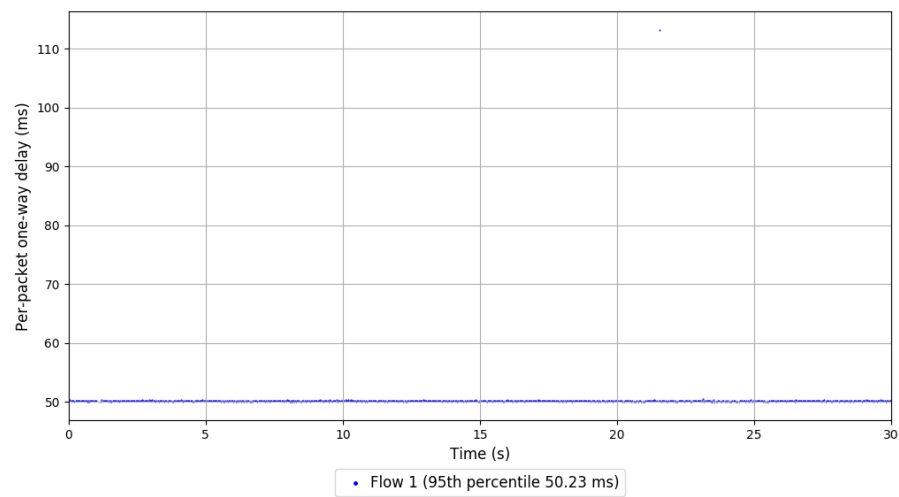
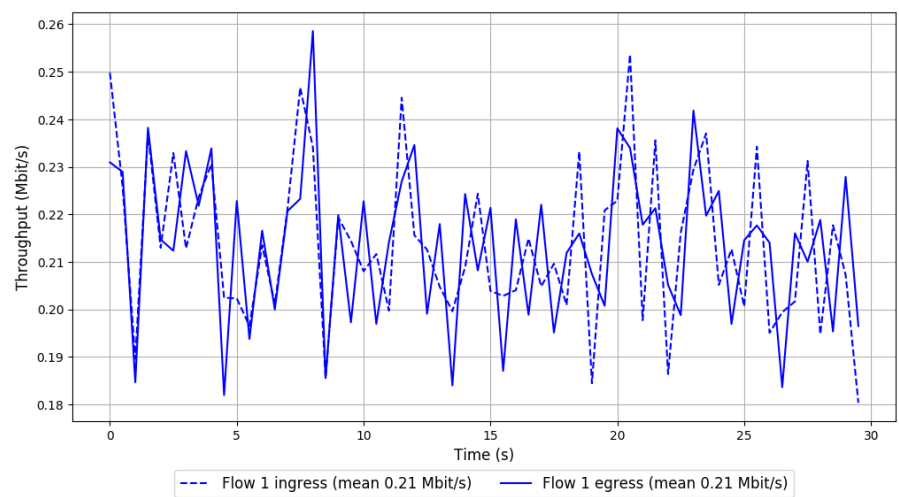
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.235 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

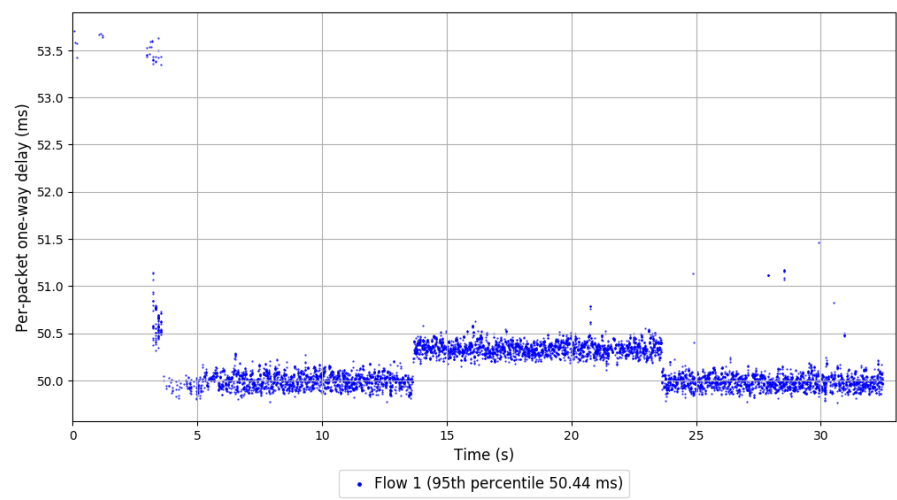
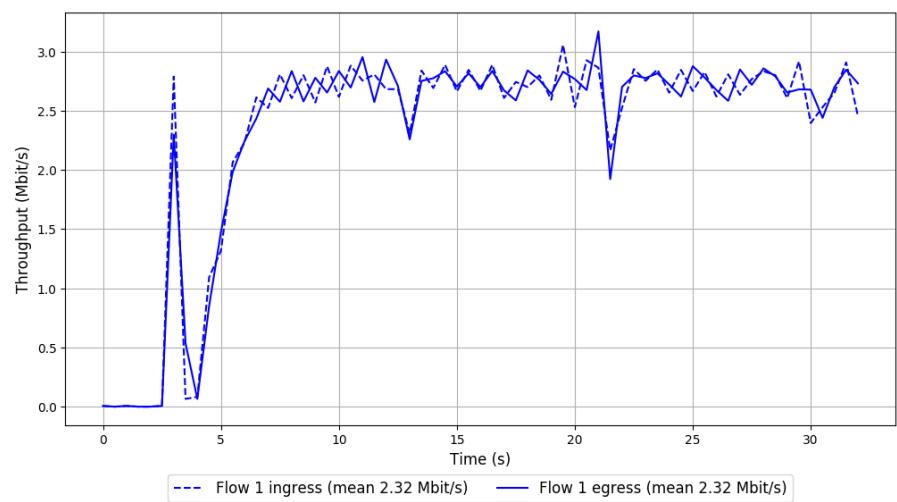


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-20 16:05:40
End at: 2018-03-20 16:06:10

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 50.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 50.441 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-03-20 16:19:55

End at: 2018-03-20 16:20:25

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.770 ms

Loss rate: 0.00%

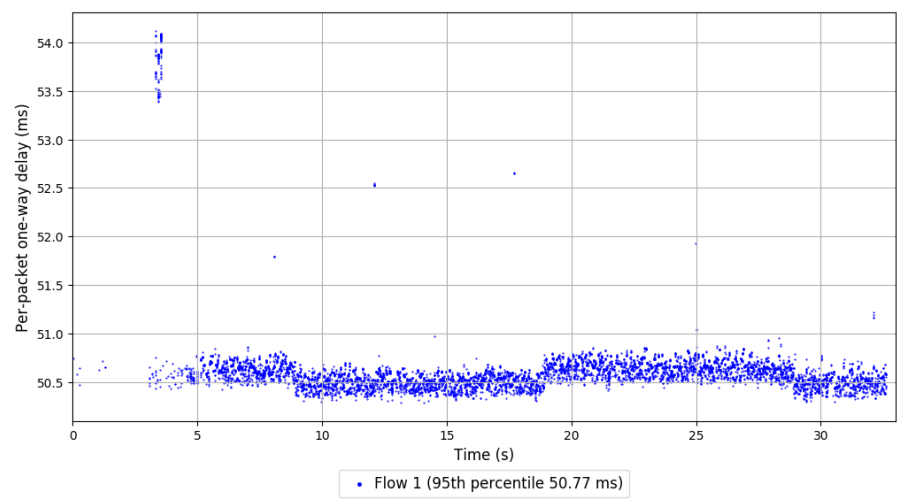
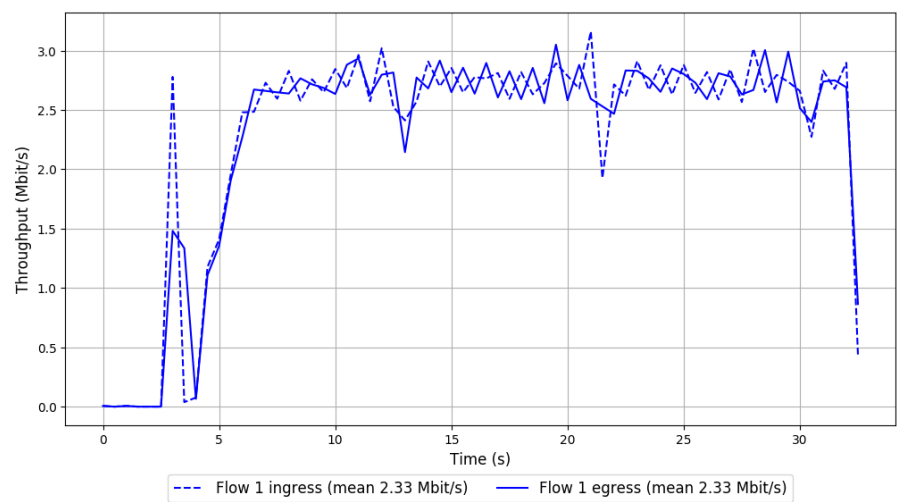
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.770 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-03-20 16:34:16

End at: 2018-03-20 16:34:46

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.171 ms

Loss rate: 0.00%

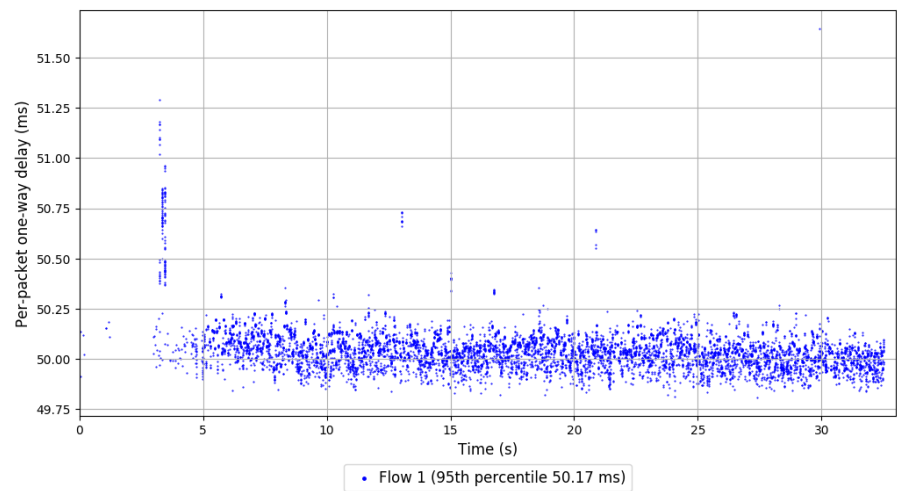
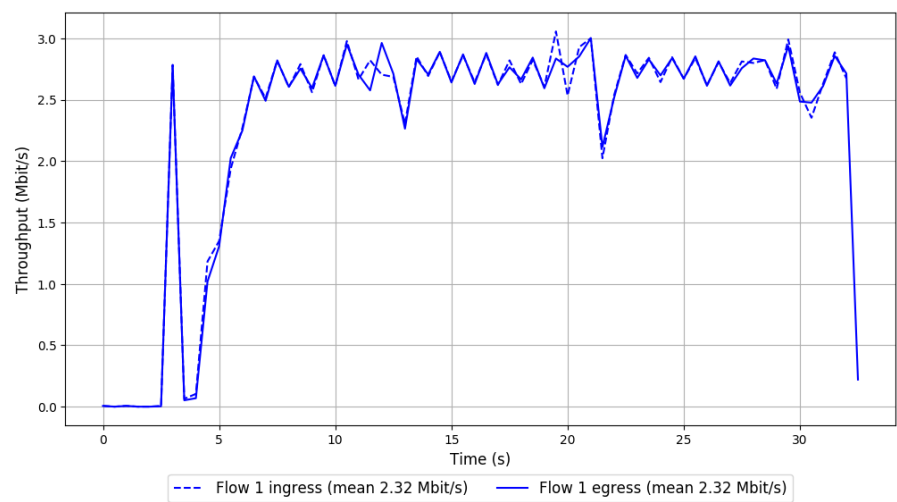
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.171 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-20 16:48:52

End at: 2018-03-20 16:49:22

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 53.223 ms

Loss rate: 0.33%

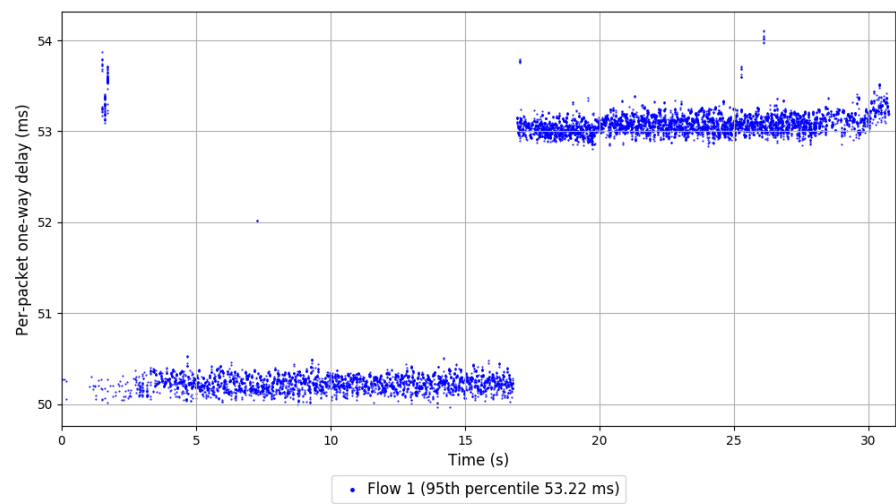
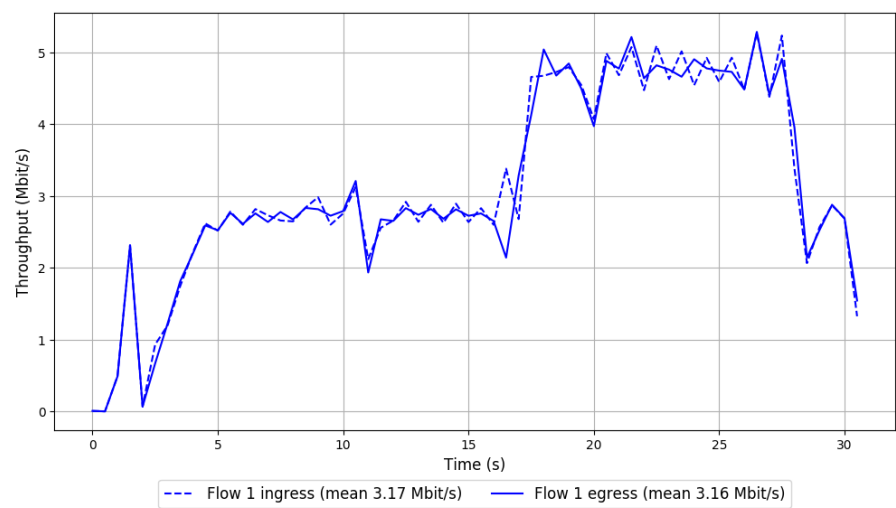
-- Flow 1:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 53.223 ms

Loss rate: 0.33%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-03-20 17:03:06

End at: 2018-03-20 17:03:37

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 53.869 ms

Loss rate: 0.00%

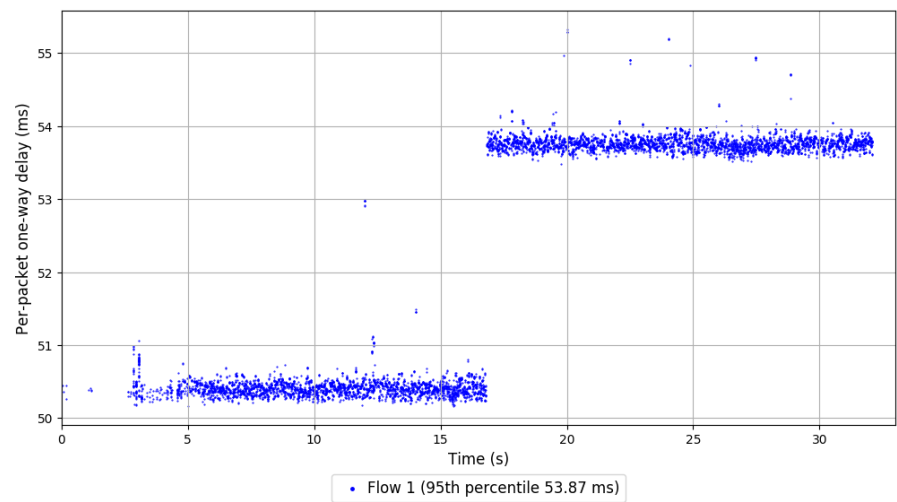
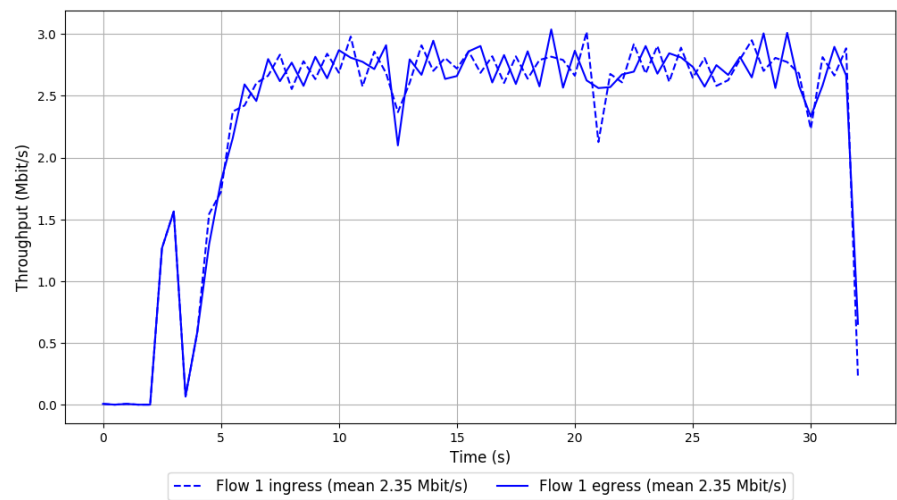
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 53.869 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-03-20 17:17:24

End at: 2018-03-20 17:17:54

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.978 ms

Loss rate: 0.00%

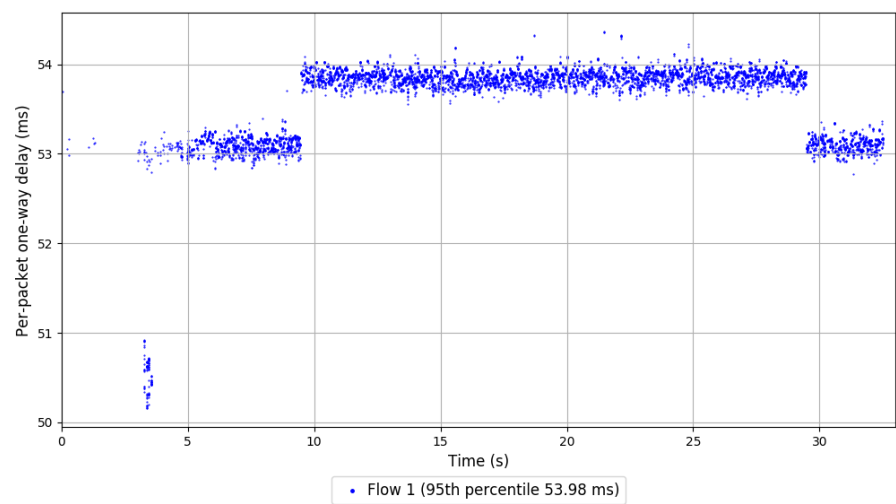
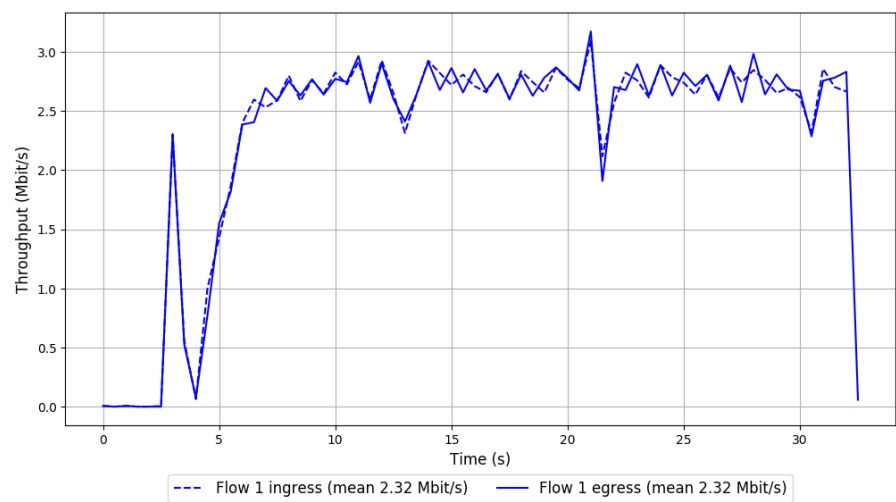
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.978 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-03-20 17:31:37

End at: 2018-03-20 17:32:07

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

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

Loss rate: 0.00%

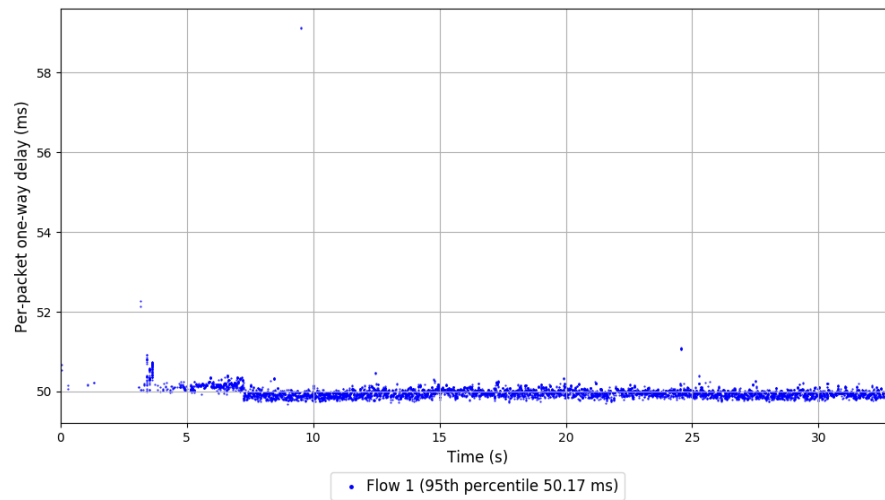
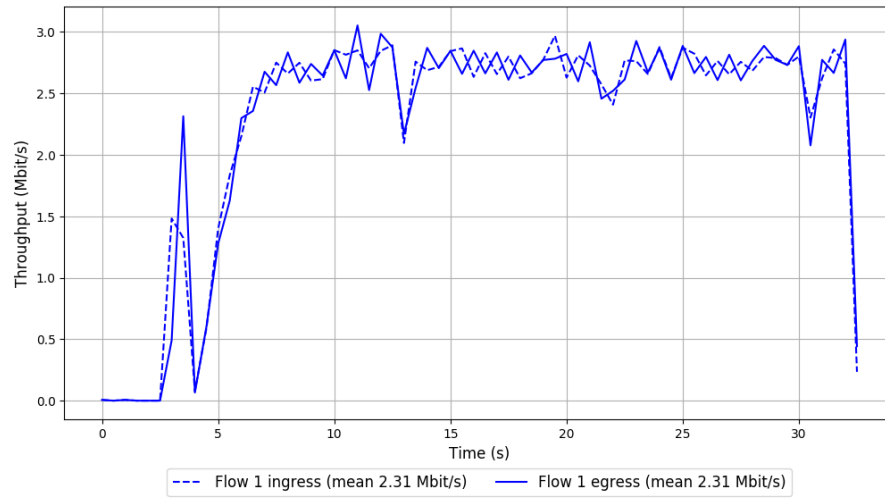
-- Flow 1:

Average throughput: 2.31 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-03-20 17:46:11

End at: 2018-03-20 17:46:41

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 53.909 ms

Loss rate: 0.00%

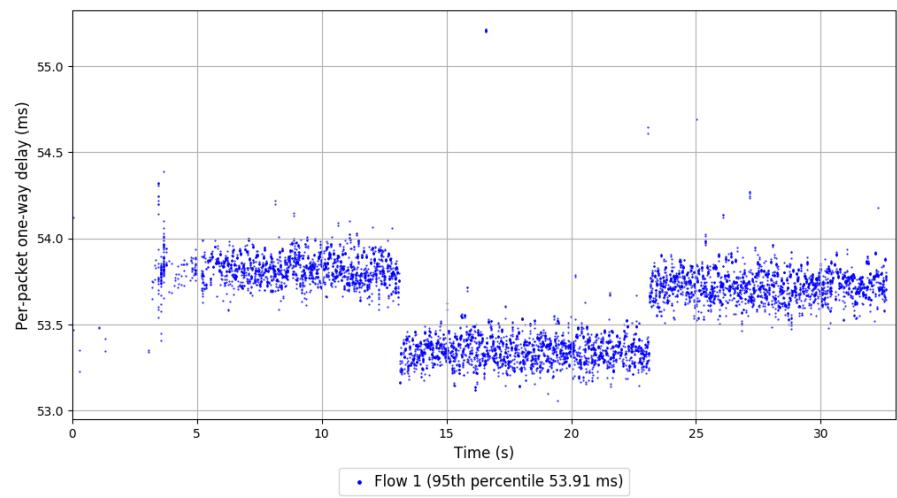
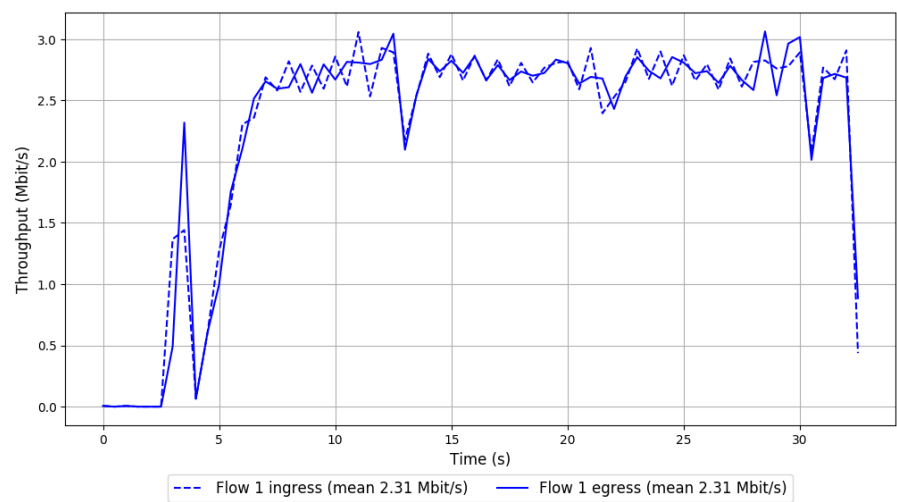
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 53.909 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-03-20 18:00:33

End at: 2018-03-20 18:01:03

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.936 ms

Loss rate: 0.00%

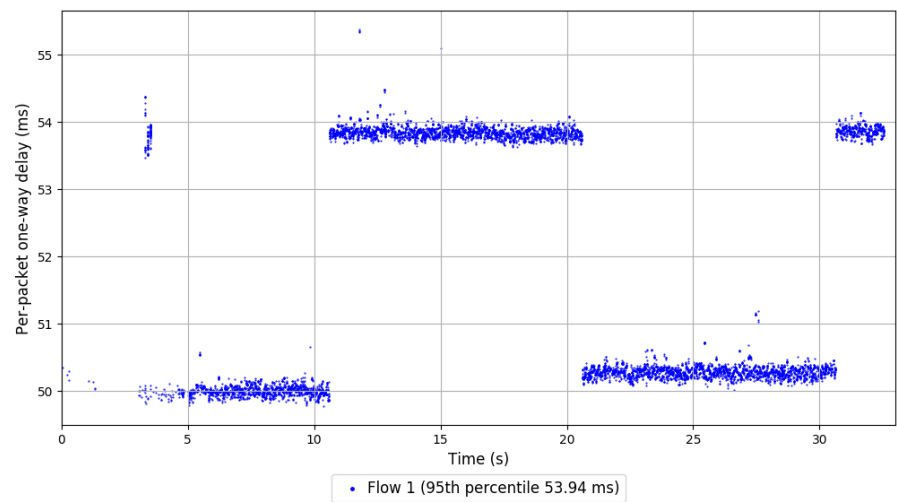
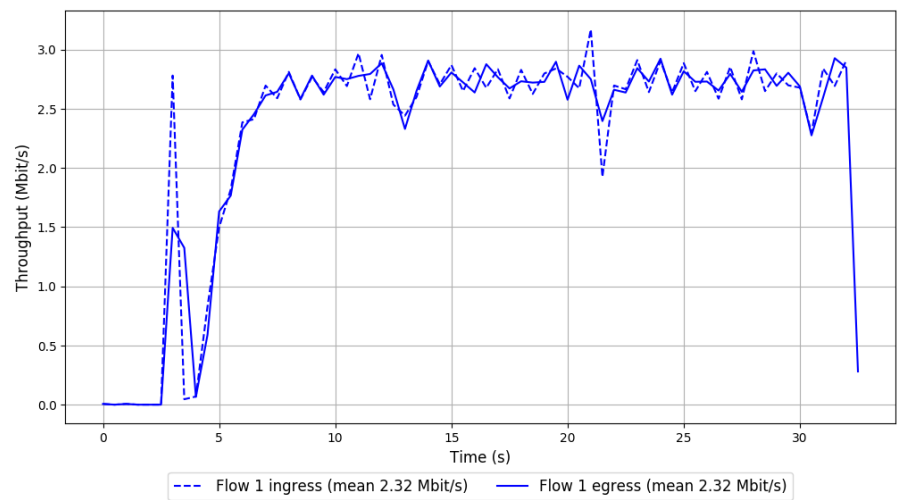
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.936 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-20 18:14:57

End at: 2018-03-20 18:15:27

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.368 ms

Loss rate: 0.00%

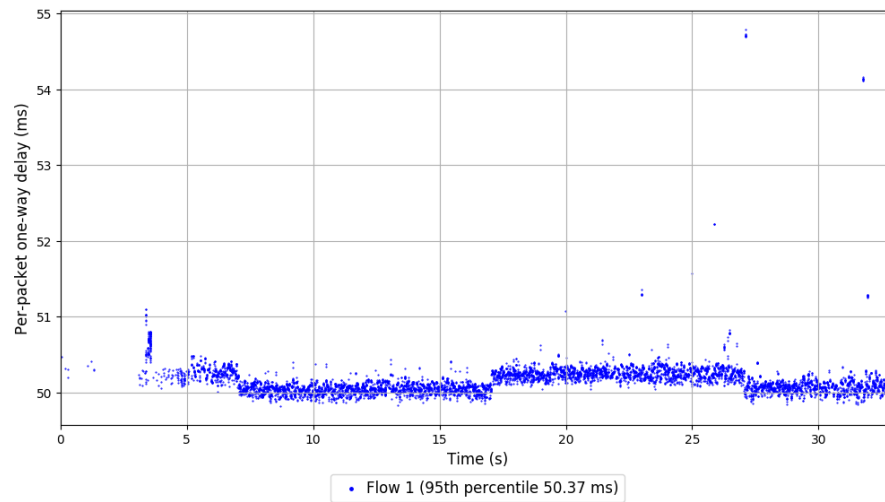
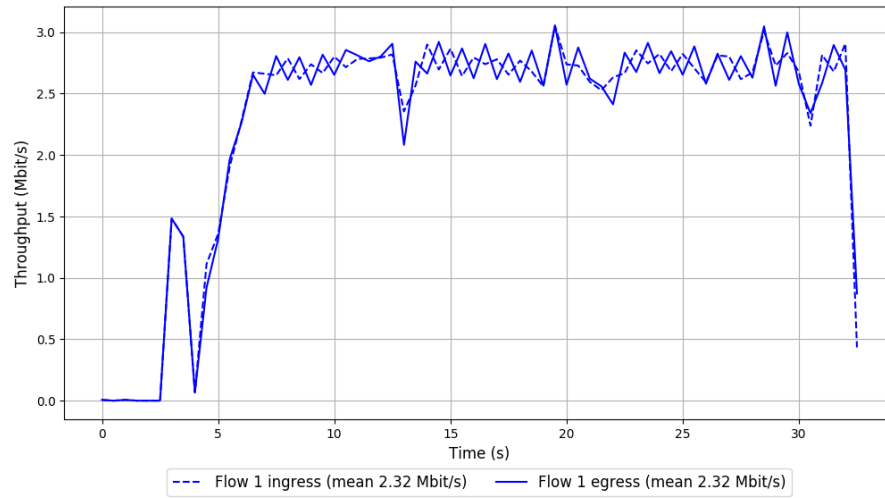
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.368 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

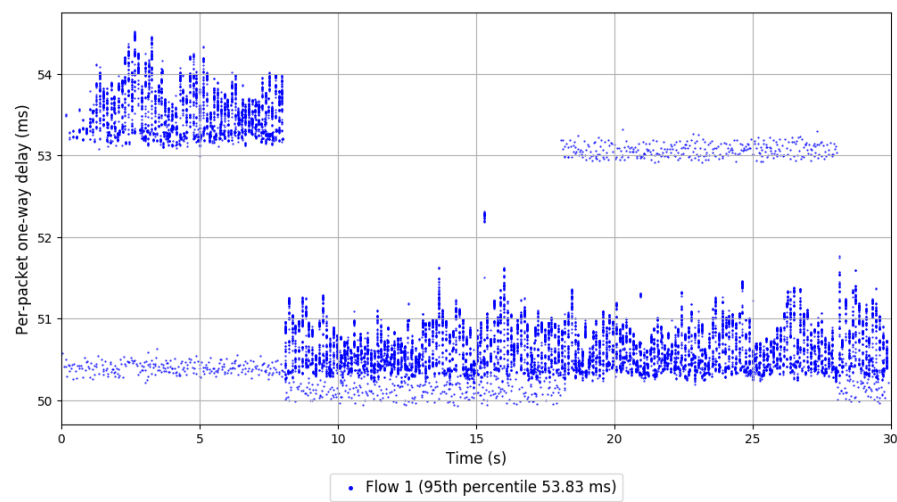
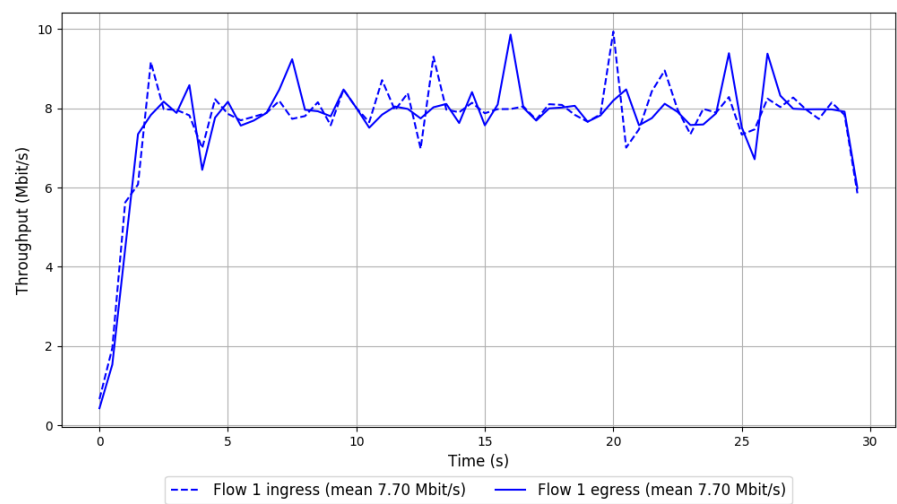


```
Run 1: Statistics of Sprout

Start at: 2018-03-20 15:58:23
End at: 2018-03-20 15:58:53

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 53.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 53.833 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-03-20 16:12:36

End at: 2018-03-20 16:13:06

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 51.503 ms

Loss rate: 0.00%

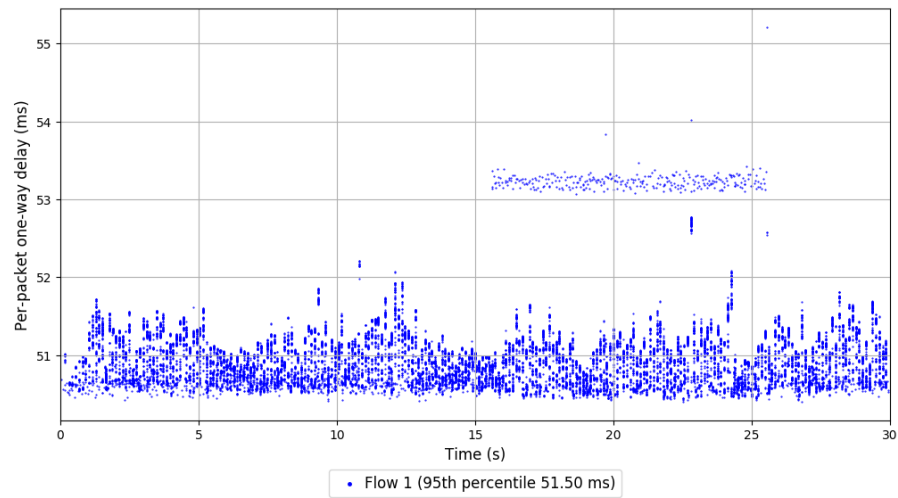
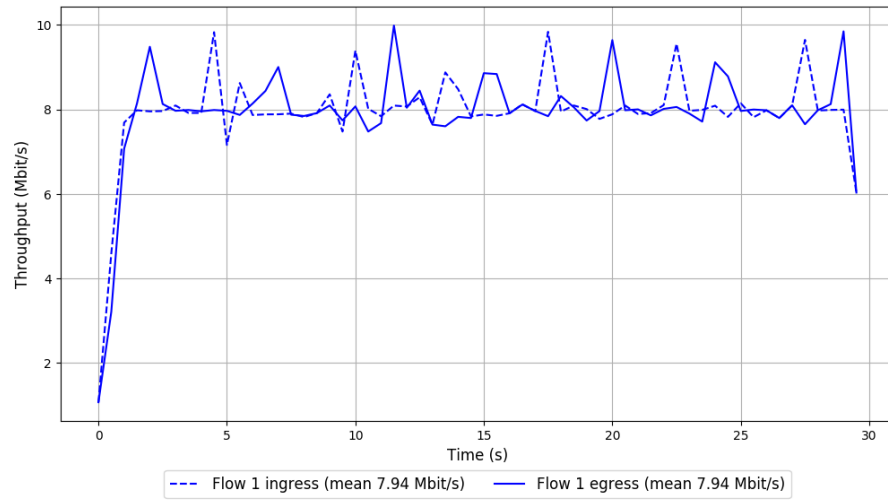
-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 51.503 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-03-20 16:26:53

End at: 2018-03-20 16:27:23

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 54.346 ms

Loss rate: 0.00%

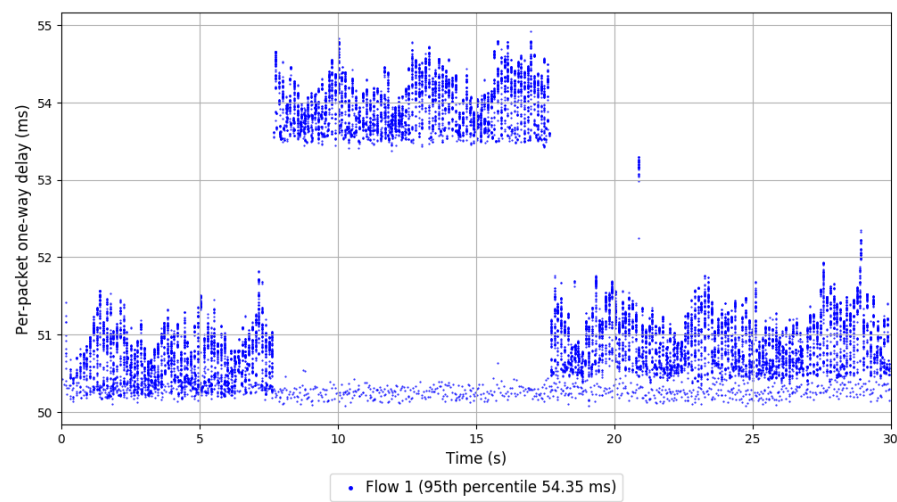
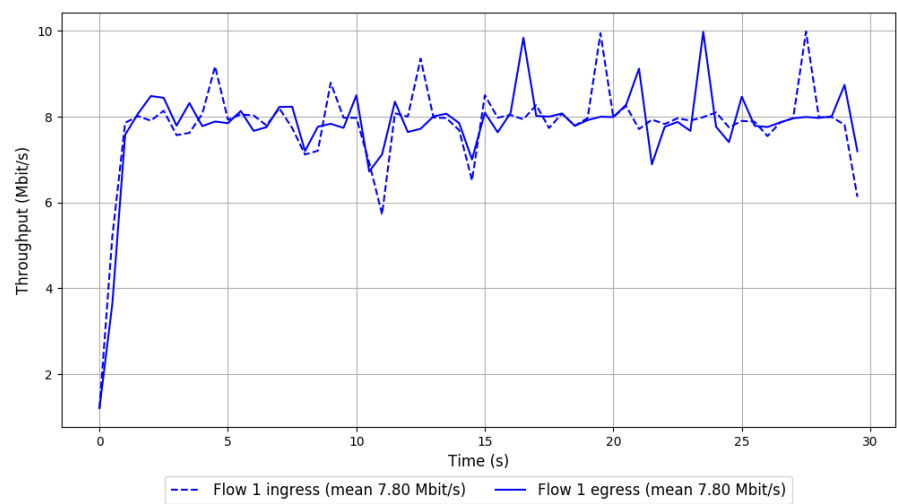
-- Flow 1:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 54.346 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-03-20 16:41:23

End at: 2018-03-20 16:41:53

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 54.175 ms

Loss rate: 0.00%

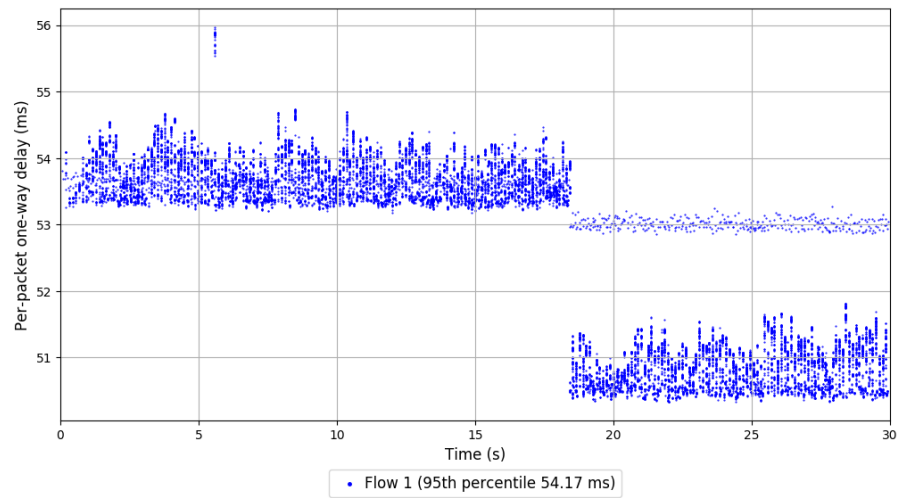
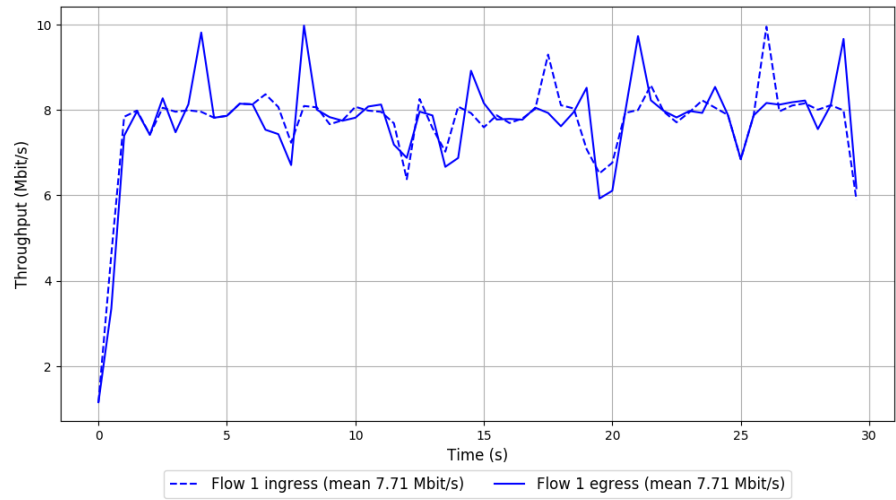
-- Flow 1:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 54.175 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-03-20 16:55:45

End at: 2018-03-20 16:56:15

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 54.167 ms

Loss rate: 0.00%

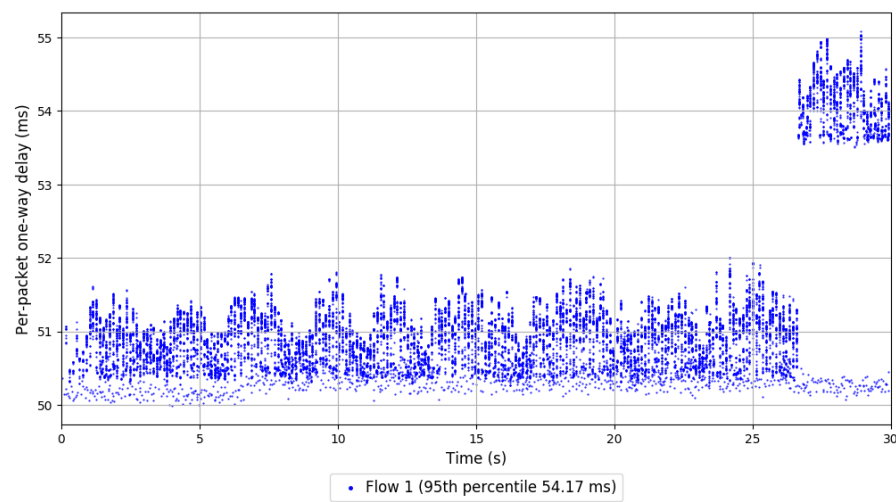
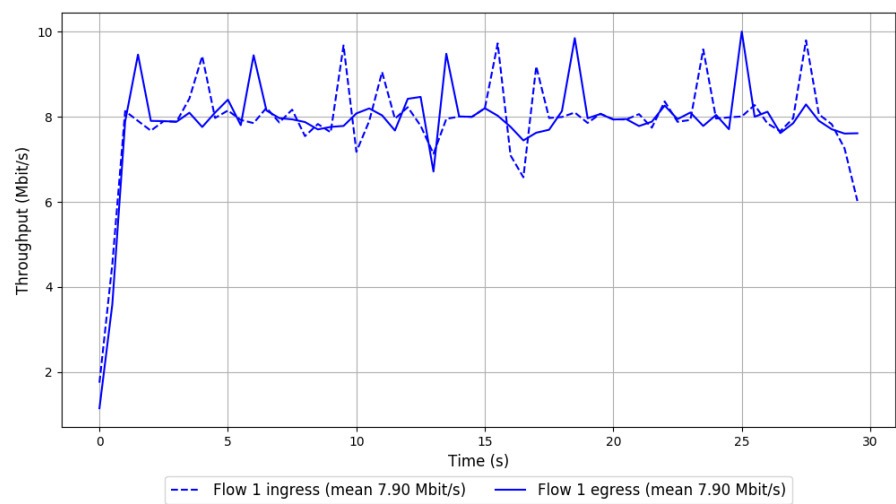
-- Flow 1:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 54.167 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-03-20 17:09:58

End at: 2018-03-20 17:10:28

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 54.510 ms

Loss rate: 0.00%

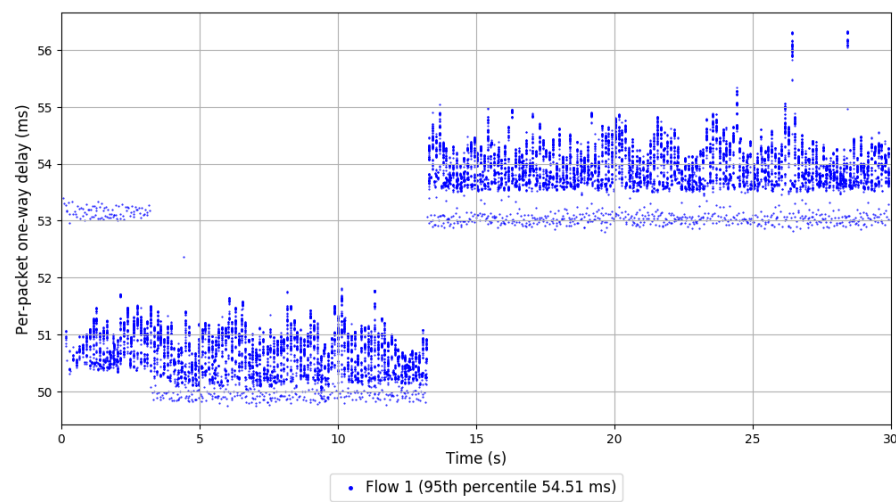
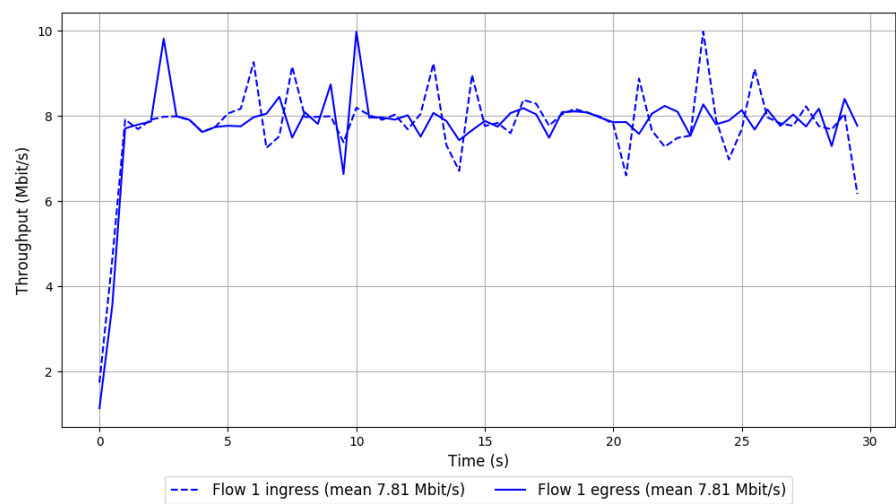
-- Flow 1:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 54.510 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-03-20 17:24:16

End at: 2018-03-20 17:24:46

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 54.441 ms

Loss rate: 0.00%

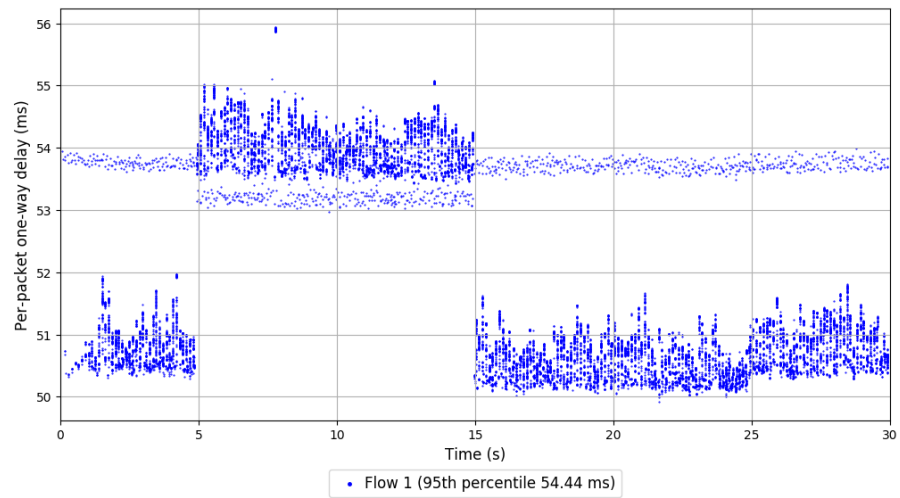
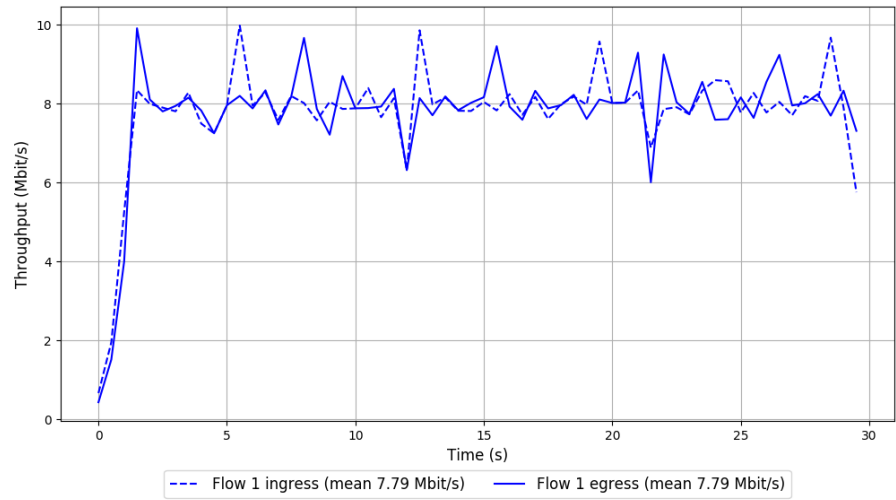
-- Flow 1:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 54.441 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-03-20 17:38:49

End at: 2018-03-20 17:39:19

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 54.312 ms

Loss rate: 0.00%

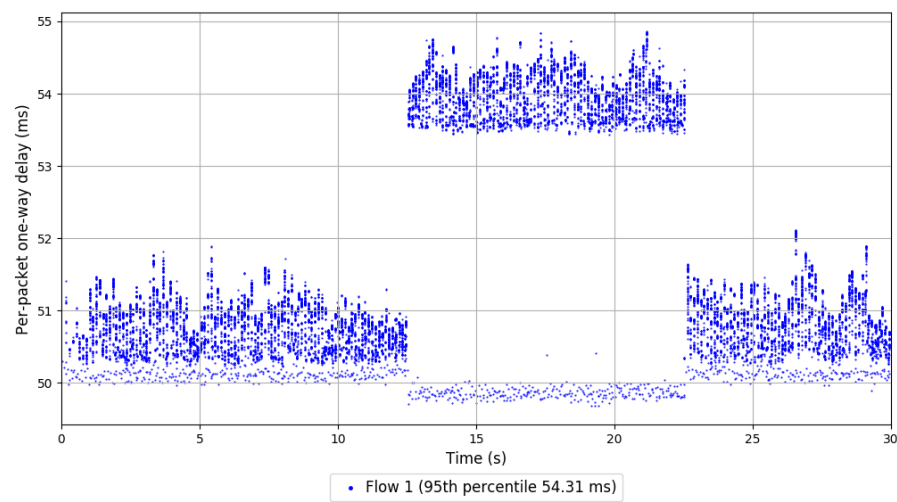
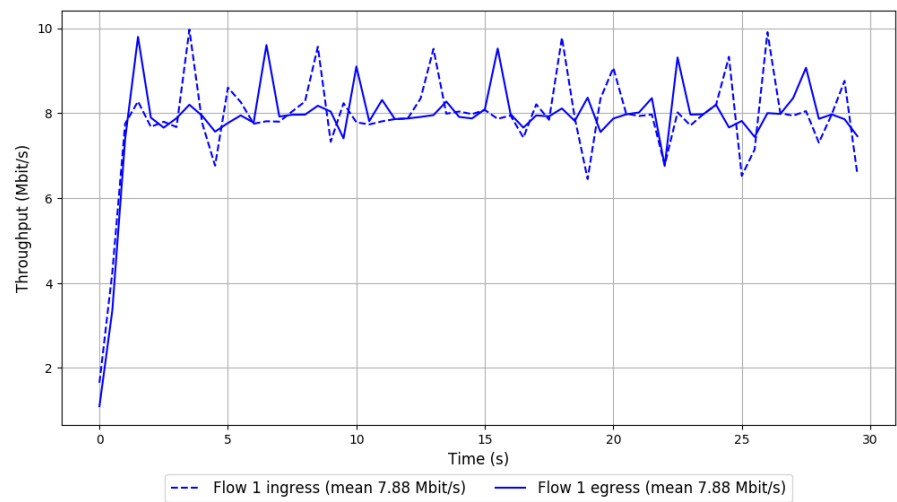
-- Flow 1:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 54.312 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-03-20 17:53:11

End at: 2018-03-20 17:53:41

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 0.00%

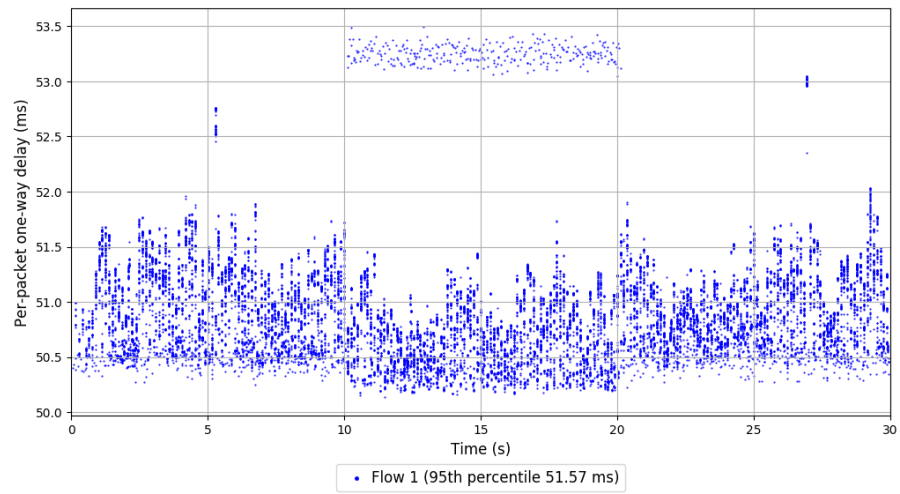
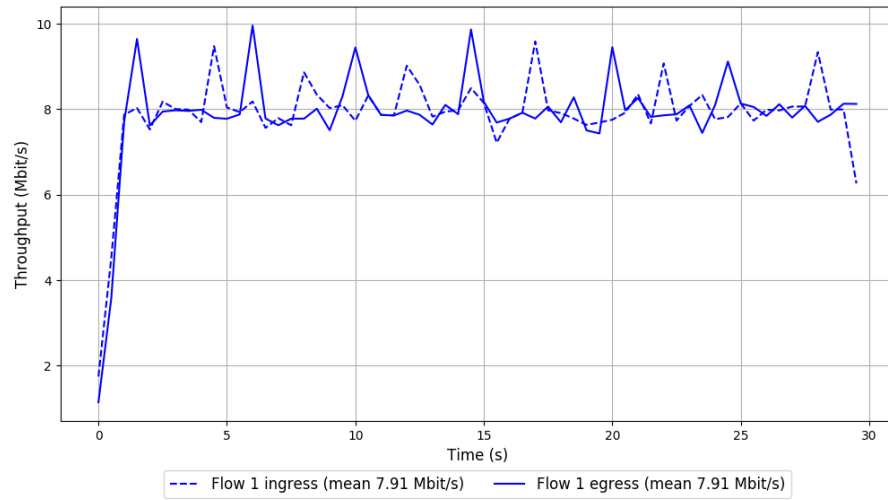
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-03-20 18:07:39

End at: 2018-03-20 18:08:09

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 54.377 ms

Loss rate: 0.00%

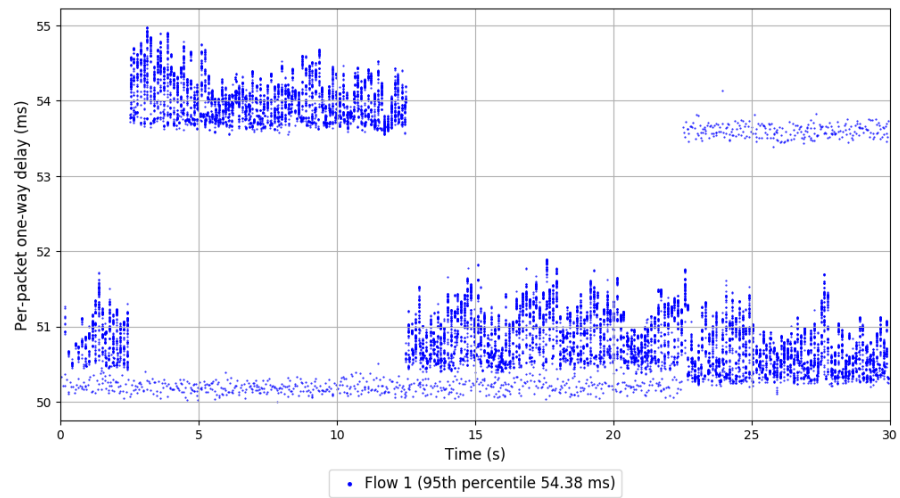
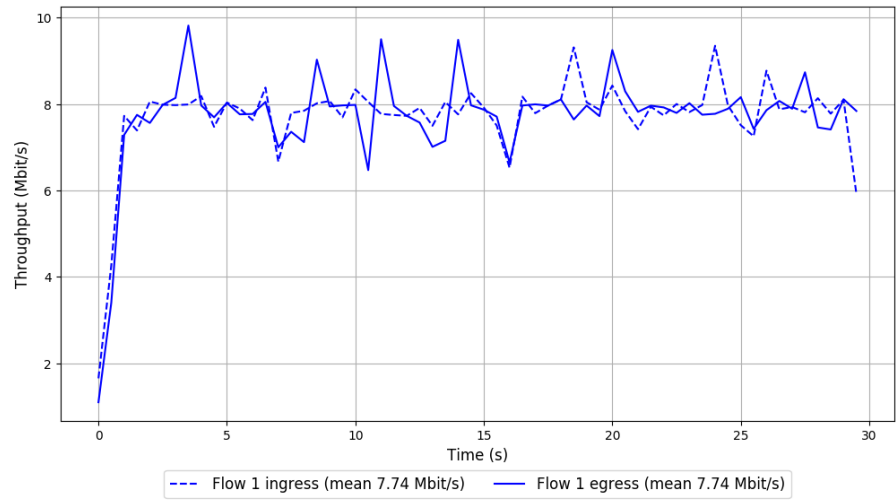
-- Flow 1:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 54.377 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

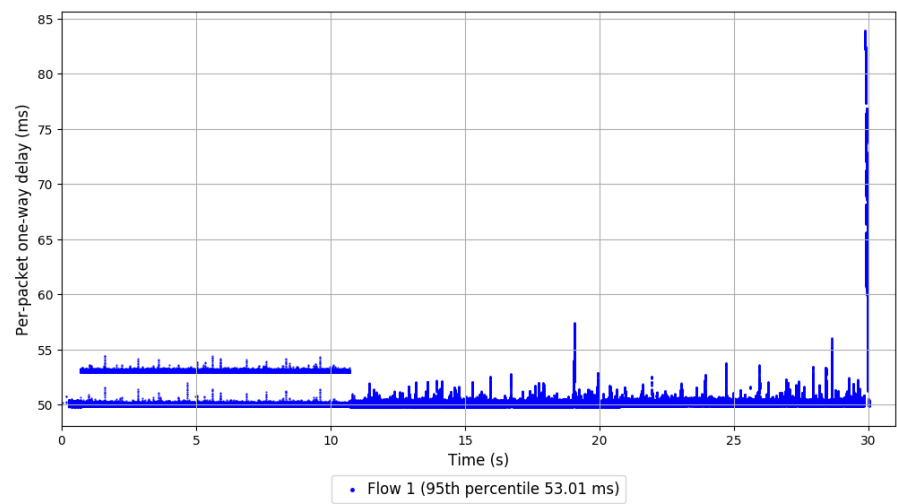
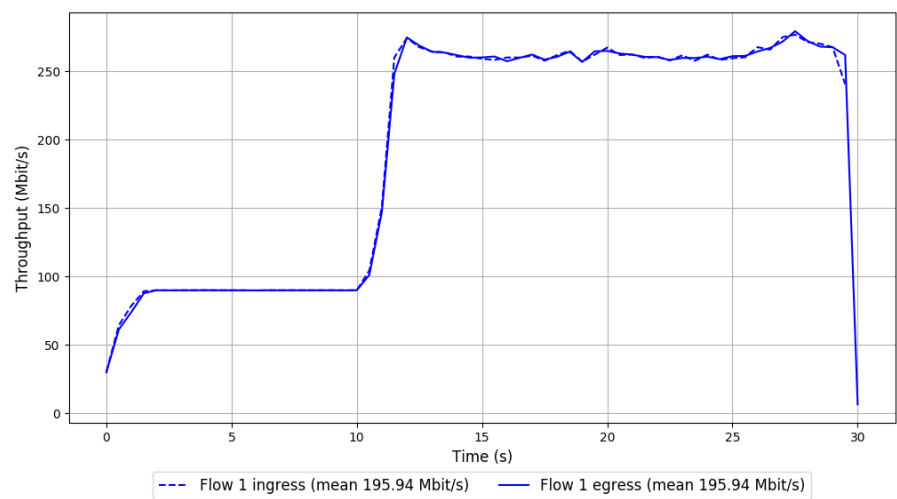


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-20 15:56:00
End at: 2018-03-20 15:56:30

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.94 Mbit/s
95th percentile per-packet one-way delay: 53.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.94 Mbit/s
95th percentile per-packet one-way delay: 53.009 ms
Loss rate: 0.00%
```


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

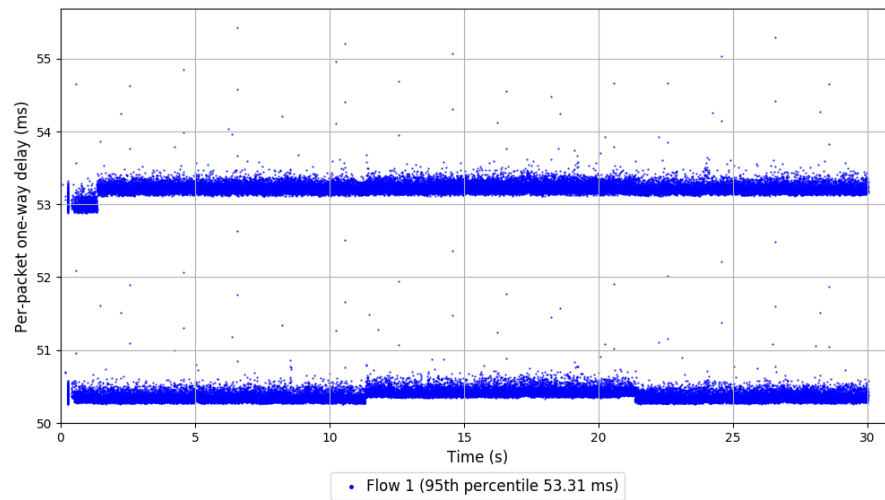
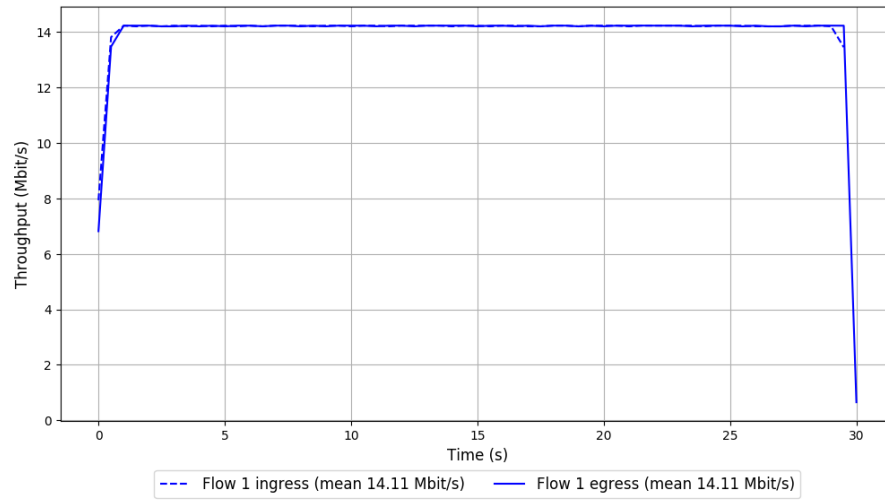


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-03-20 16:10:30
End at: 2018-03-20 16:11:00

# Below is generated by plot.py at 2018-03-20 20:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 53.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 53.311 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-20 16:24:43

End at: 2018-03-20 16:25:13

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.15 Mbit/s

95th percentile per-packet one-way delay: 53.448 ms

Loss rate: 0.00%

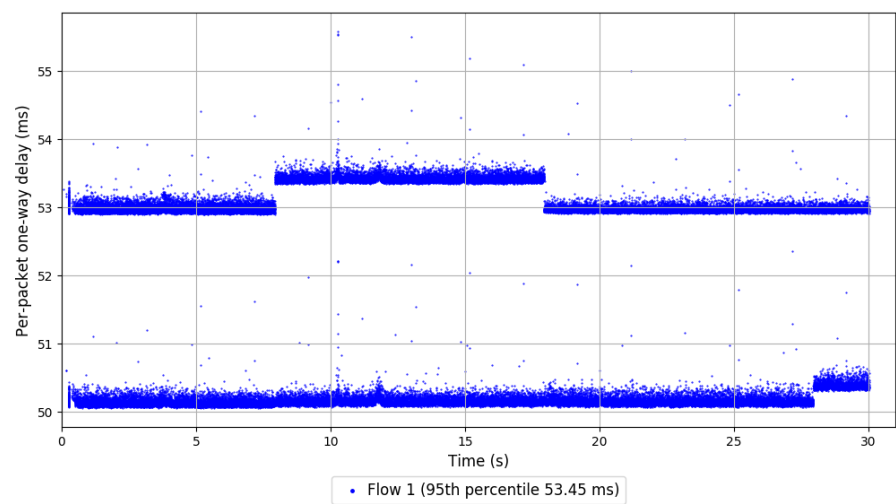
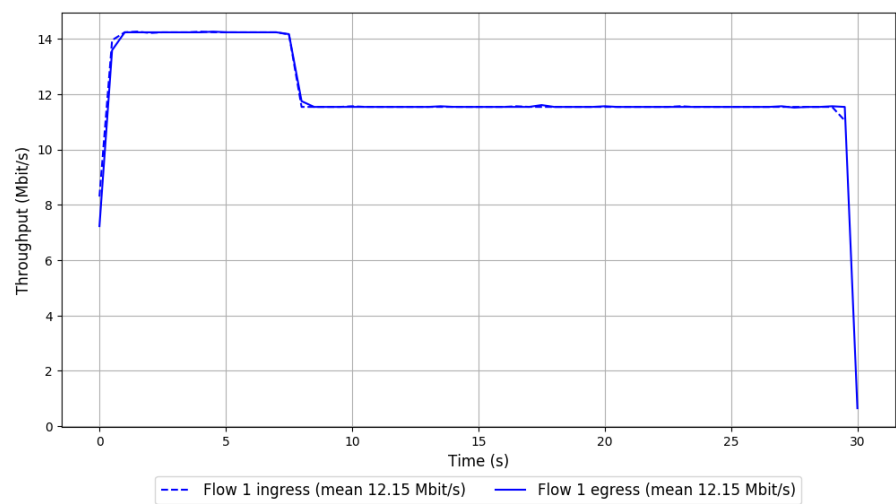
-- Flow 1:

Average throughput: 12.15 Mbit/s

95th percentile per-packet one-way delay: 53.448 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-03-20 16:39:01

End at: 2018-03-20 16:39:31

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.39 Mbit/s

95th percentile per-packet one-way delay: 50.531 ms

Loss rate: 0.00%

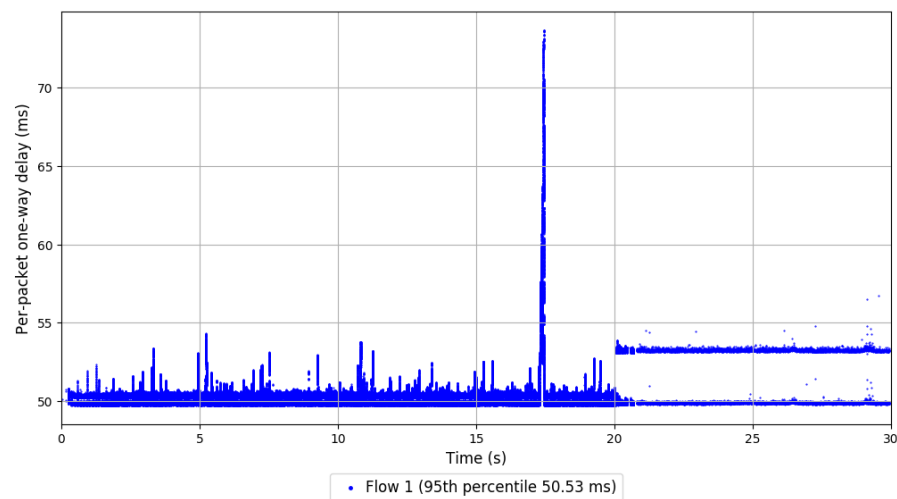
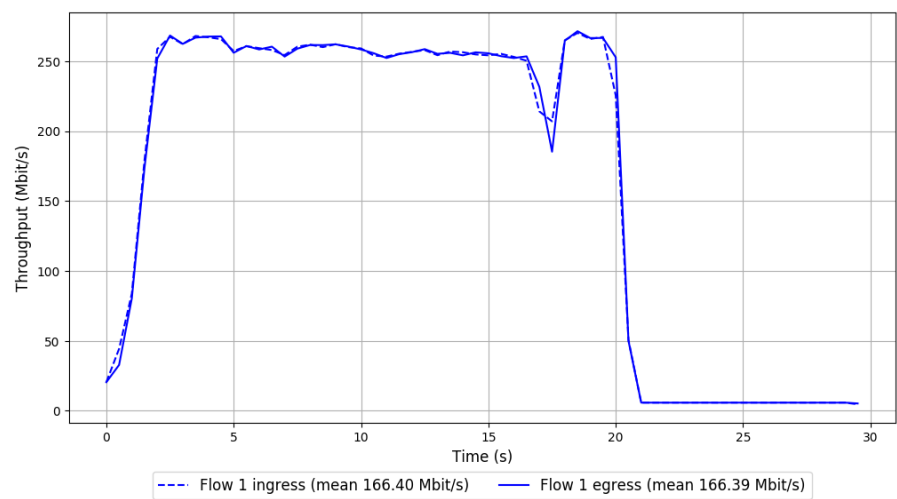
-- Flow 1:

Average throughput: 166.39 Mbit/s

95th percentile per-packet one-way delay: 50.531 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-03-20 16:53:39

End at: 2018-03-20 16:54:09

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.43 Mbit/s

95th percentile per-packet one-way delay: 53.509 ms

Loss rate: 0.00%

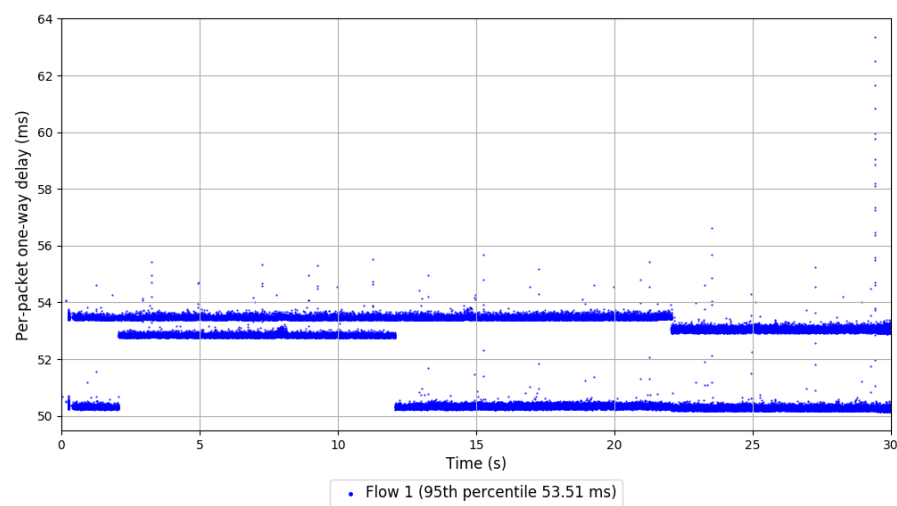
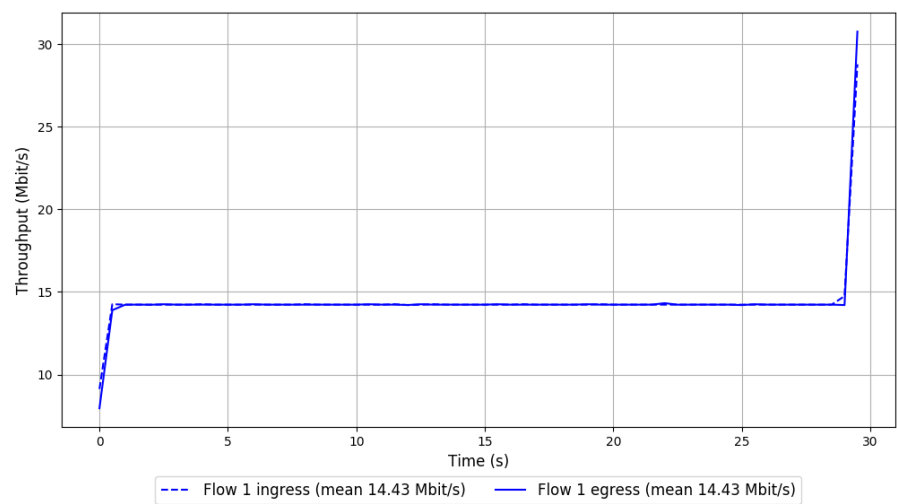
-- Flow 1:

Average throughput: 14.43 Mbit/s

95th percentile per-packet one-way delay: 53.509 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-03-20 17:07:52

End at: 2018-03-20 17:08:22

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.42 Mbit/s

95th percentile per-packet one-way delay: 53.448 ms

Loss rate: 0.00%

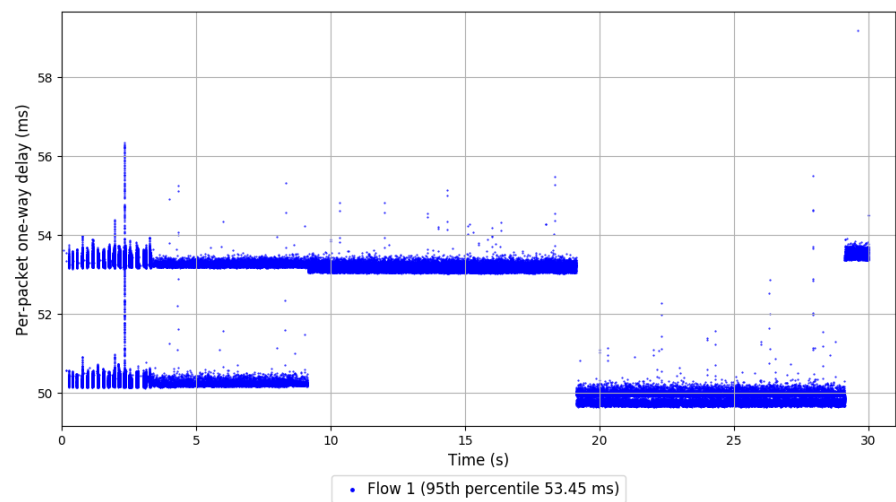
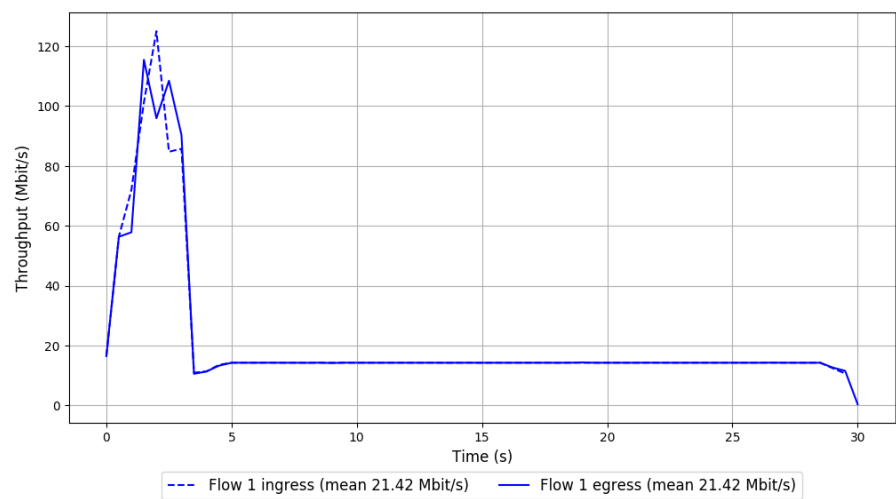
-- Flow 1:

Average throughput: 21.42 Mbit/s

95th percentile per-packet one-way delay: 53.448 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-03-20 17:22:07

End at: 2018-03-20 17:22:37

Below is generated by plot.py at 2018-03-20 20:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.98 Mbit/s

95th percentile per-packet one-way delay: 53.451 ms

Loss rate: 0.00%

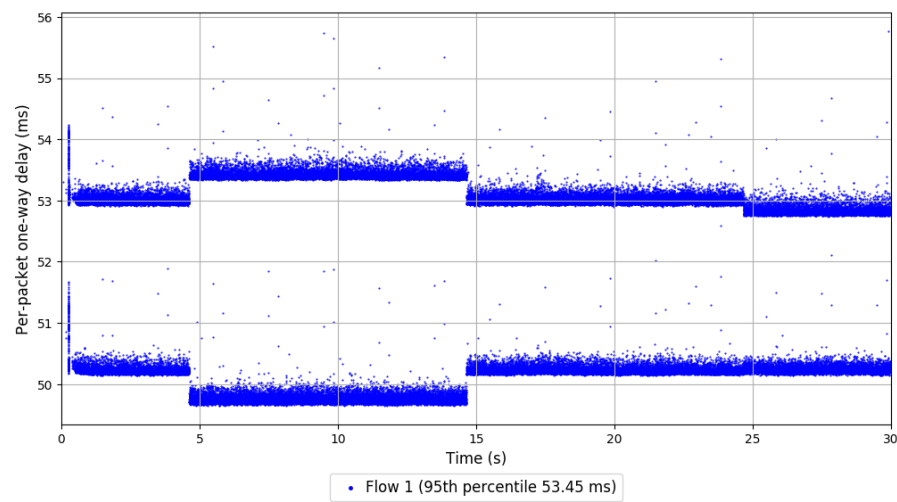
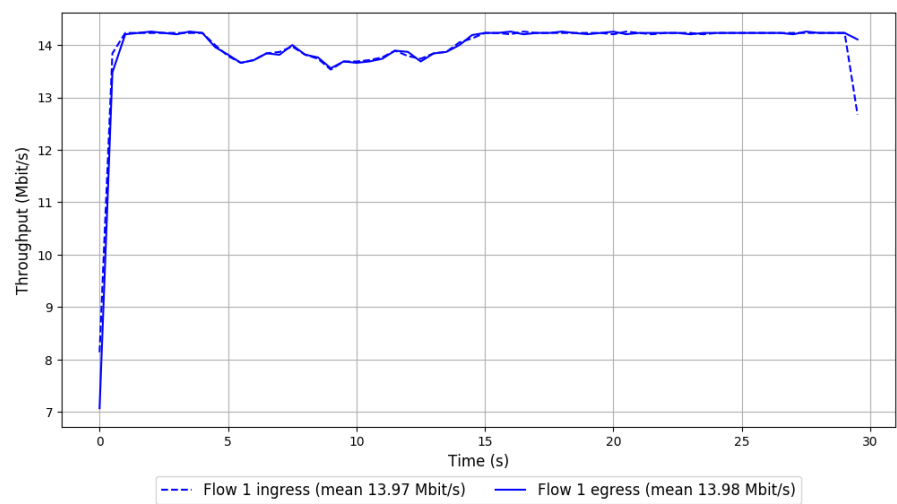
-- Flow 1:

Average throughput: 13.98 Mbit/s

95th percentile per-packet one-way delay: 53.451 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-20 17:36:22

End at: 2018-03-20 17:36:52

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.98 Mbit/s

95th percentile per-packet one-way delay: 50.399 ms

Loss rate: 0.00%

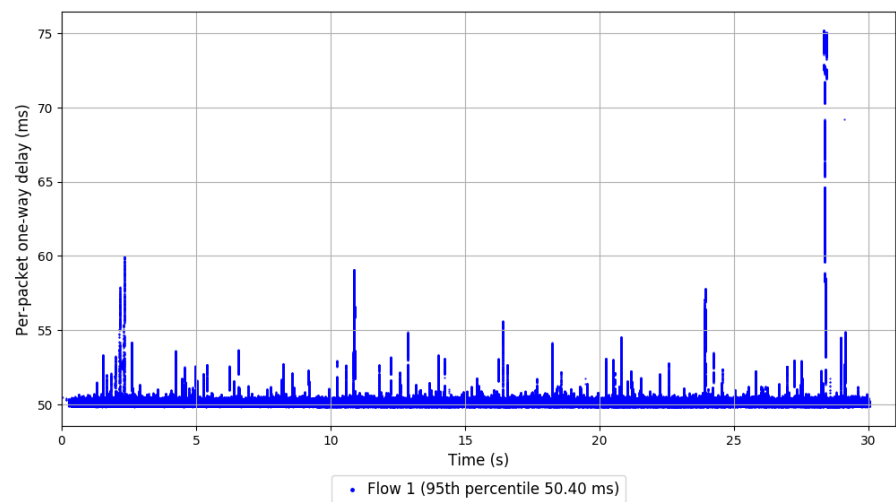
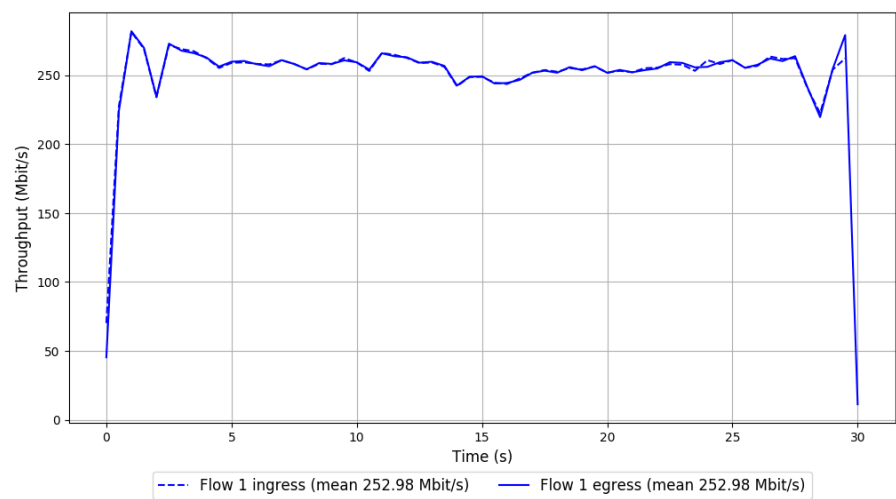
-- Flow 1:

Average throughput: 252.98 Mbit/s

95th percentile per-packet one-way delay: 50.399 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-20 17:50:58

End at: 2018-03-20 17:51:28

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 53.658 ms

Loss rate: 0.00%

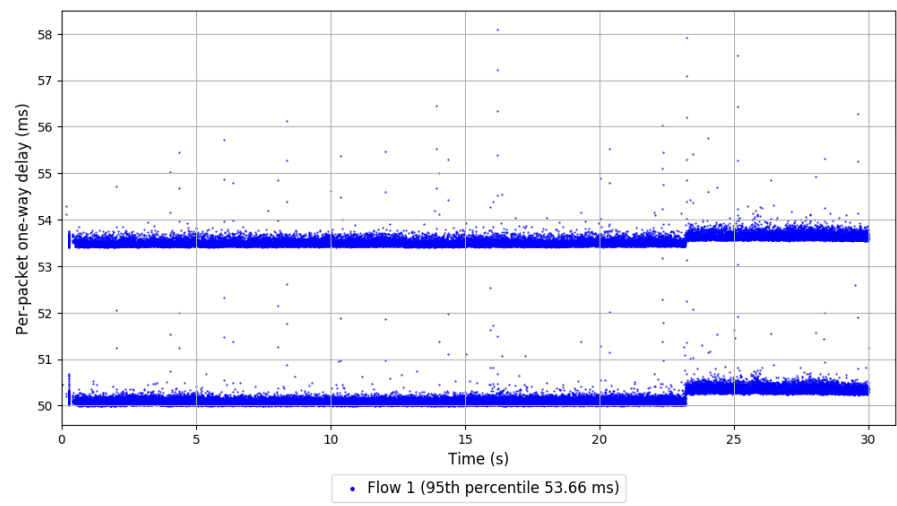
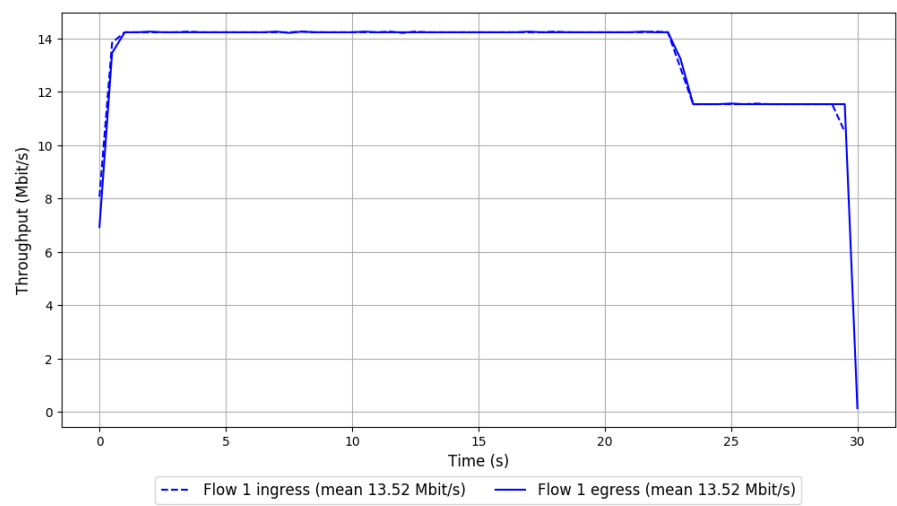
-- Flow 1:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 53.658 ms

Loss rate: 0.00%

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

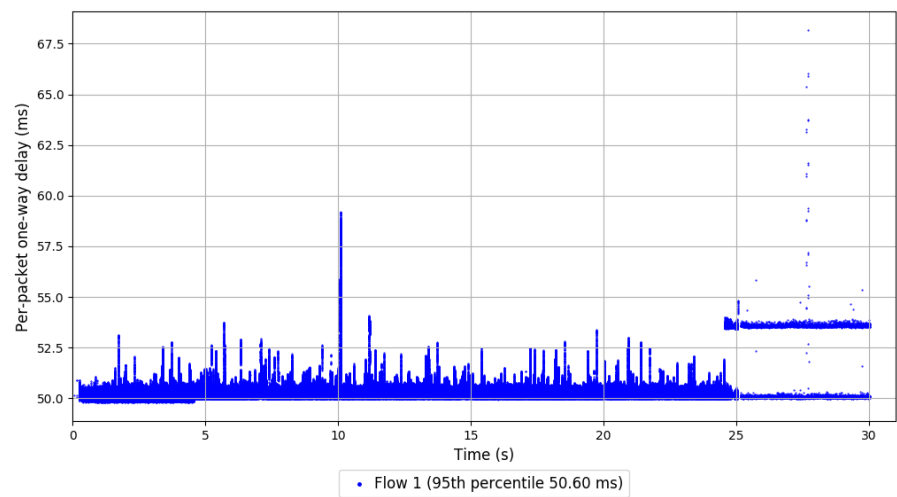
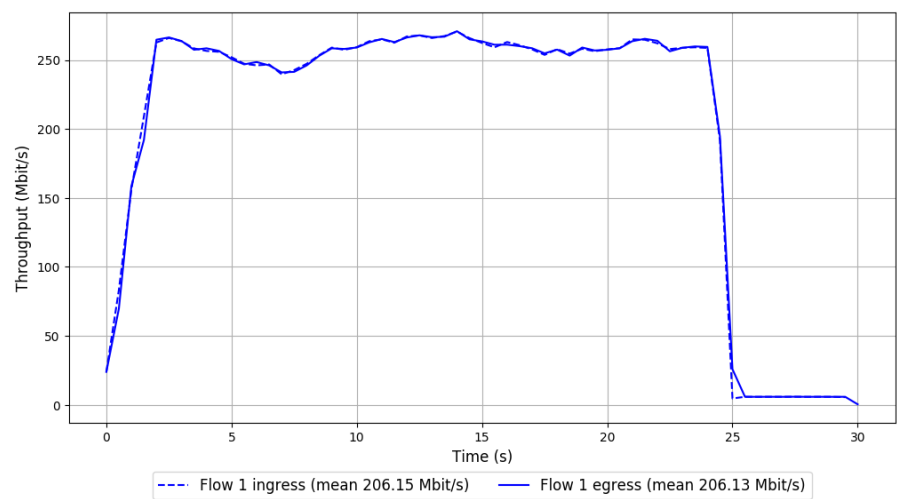


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-03-20 18:05:17
End at: 2018-03-20 18:05:47

# Below is generated by plot.py at 2018-03-20 20:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.13 Mbit/s
95th percentile per-packet one-way delay: 50.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.13 Mbit/s
95th percentile per-packet one-way delay: 50.596 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-03-20 15:57:41

End at: 2018-03-20 15:58:11

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.25 Mbit/s

95th percentile per-packet one-way delay: 53.735 ms

Loss rate: 0.01%

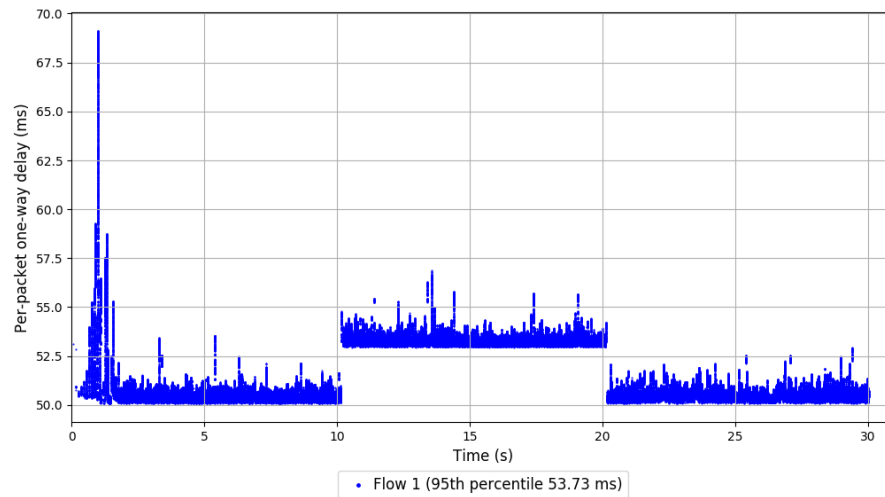
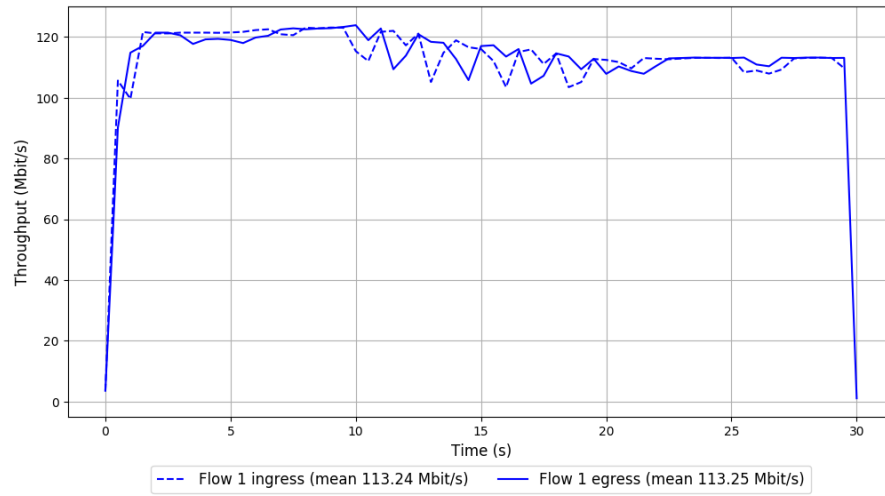
-- Flow 1:

Average throughput: 113.25 Mbit/s

95th percentile per-packet one-way delay: 53.735 ms

Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-03-20 16:11:55

End at: 2018-03-20 16:12:25

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 53.938 ms

Loss rate: 0.00%

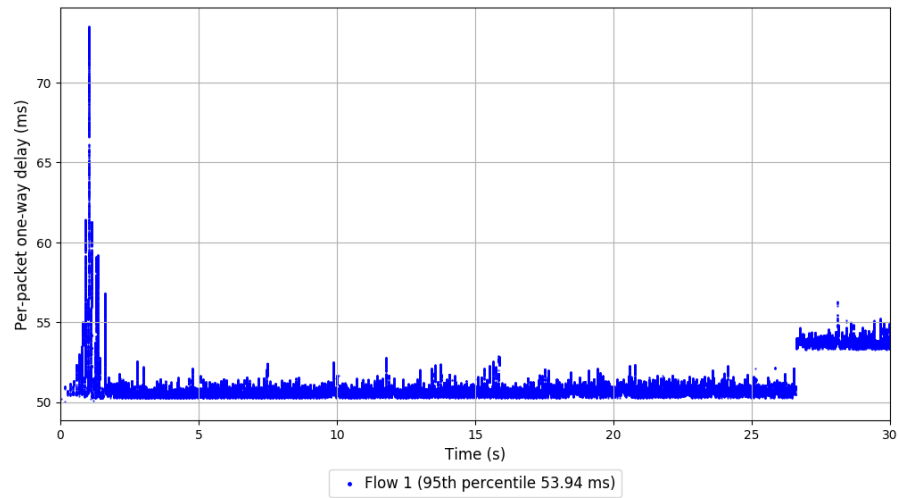
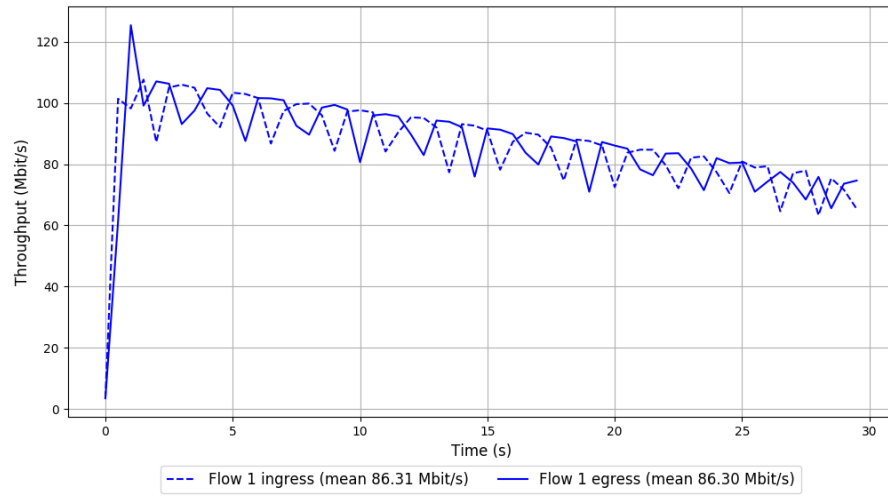
-- Flow 1:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 53.938 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-03-20 16:26:08

End at: 2018-03-20 16:26:38

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.80 Mbit/s

95th percentile per-packet one-way delay: 53.908 ms

Loss rate: 0.05%

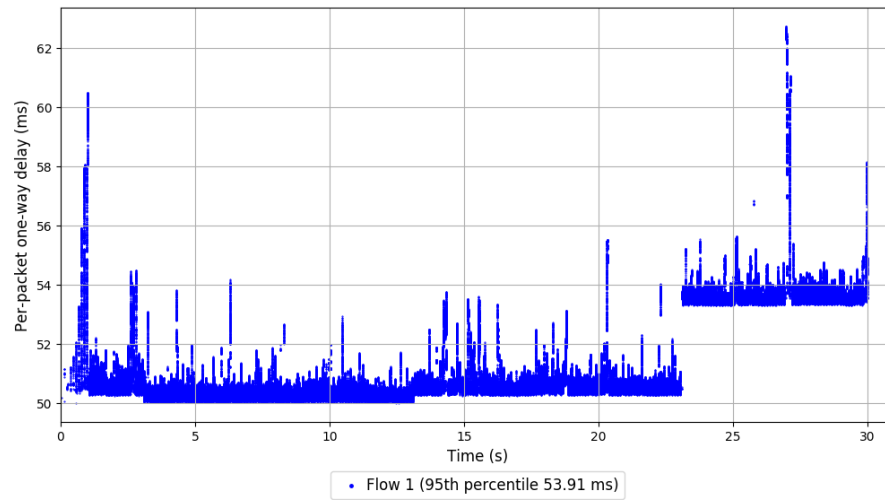
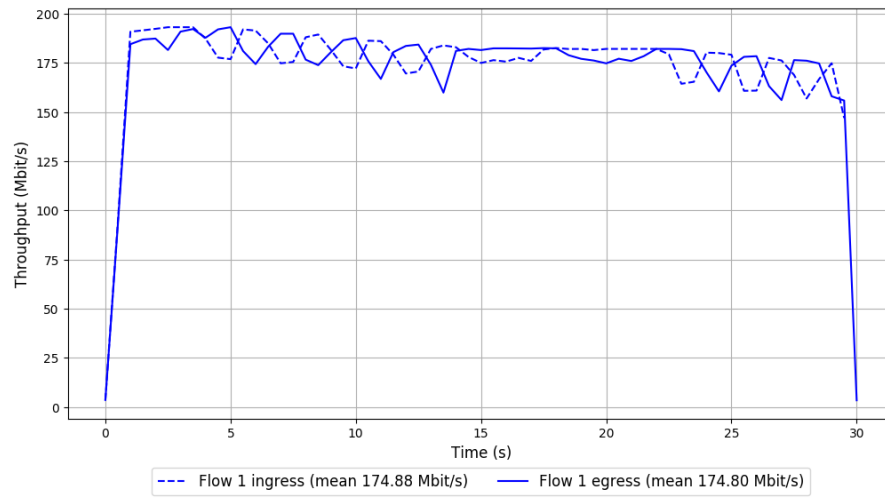
-- Flow 1:

Average throughput: 174.80 Mbit/s

95th percentile per-packet one-way delay: 53.908 ms

Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-03-20 16:40:39

End at: 2018-03-20 16:41:09

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.84 Mbit/s

95th percentile per-packet one-way delay: 52.193 ms

Loss rate: 0.00%

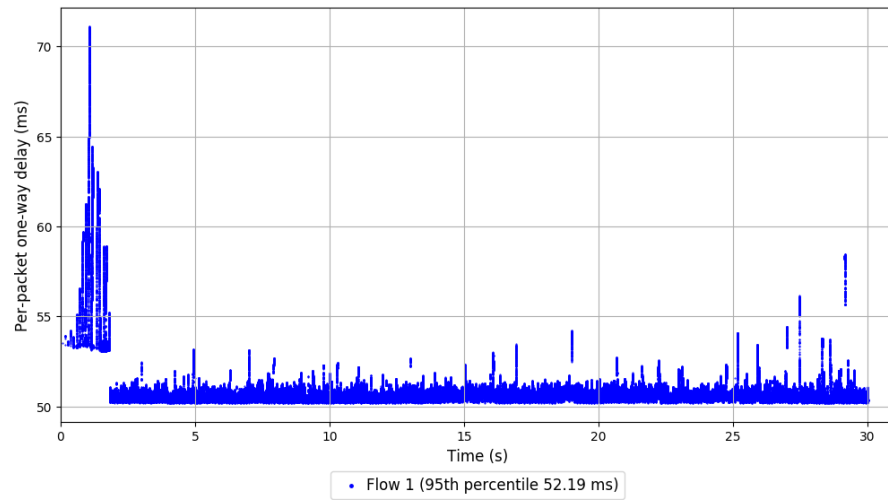
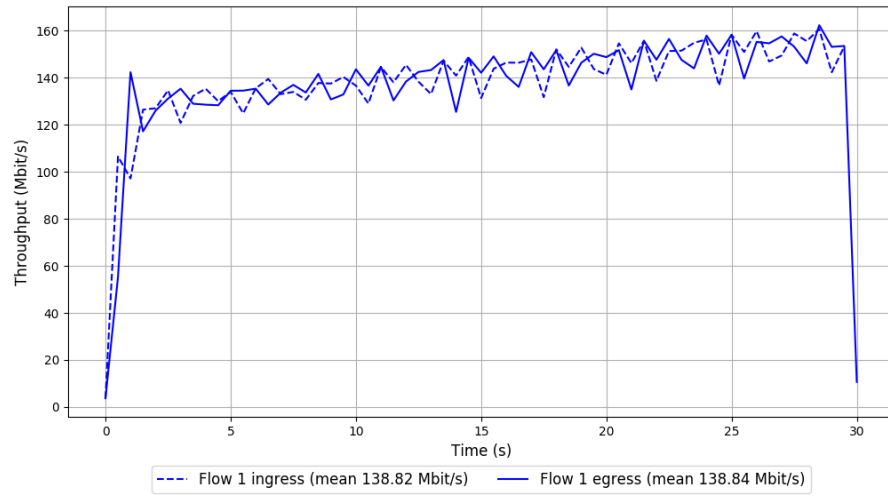
-- Flow 1:

Average throughput: 138.84 Mbit/s

95th percentile per-packet one-way delay: 52.193 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-03-20 16:55:04

End at: 2018-03-20 16:55:34

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.98 Mbit/s

95th percentile per-packet one-way delay: 55.241 ms

Loss rate: 0.00%

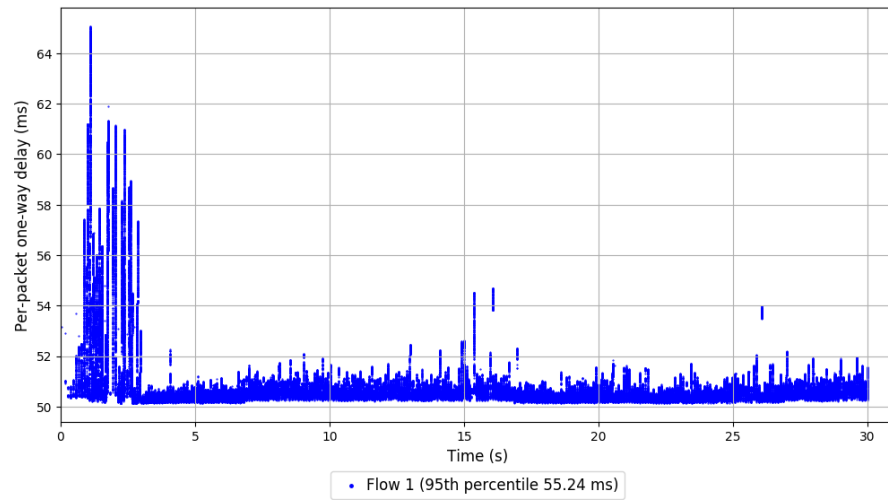
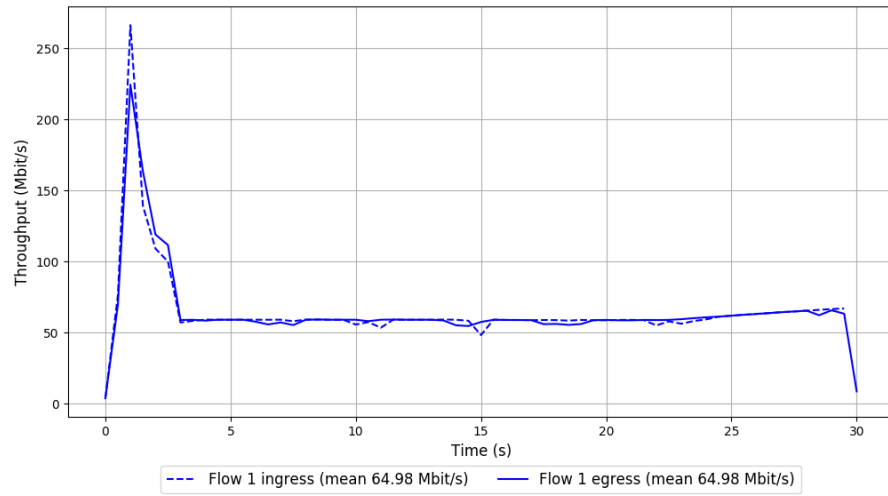
-- Flow 1:

Average throughput: 64.98 Mbit/s

95th percentile per-packet one-way delay: 55.241 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-03-20 17:09:18

End at: 2018-03-20 17:09:48

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 54.193 ms

Loss rate: 0.01%

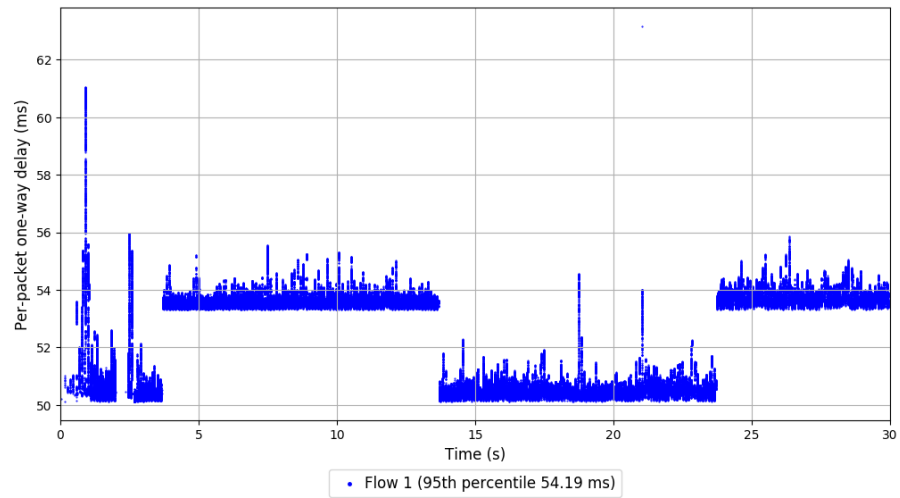
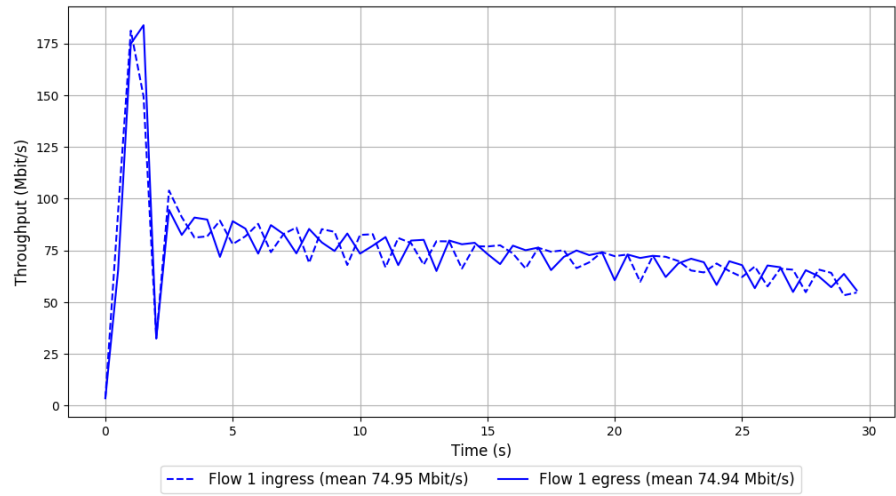
-- Flow 1:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 54.193 ms

Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-20 17:23:32

End at: 2018-03-20 17:24:02

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.76 Mbit/s

95th percentile per-packet one-way delay: 54.169 ms

Loss rate: 0.00%

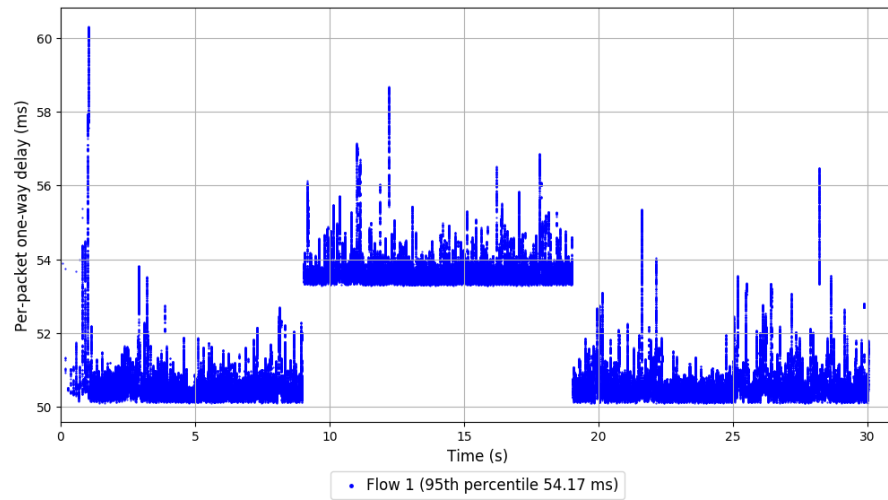
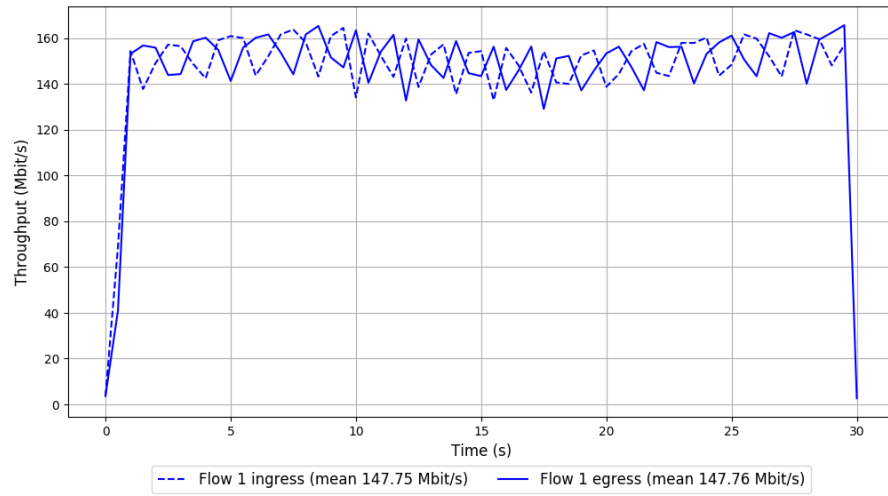
-- Flow 1:

Average throughput: 147.76 Mbit/s

95th percentile per-packet one-way delay: 54.169 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-03-20 17:38:07

End at: 2018-03-20 17:38:37

Below is generated by plot.py at 2018-03-20 20:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 54.478 ms

Loss rate: 0.00%

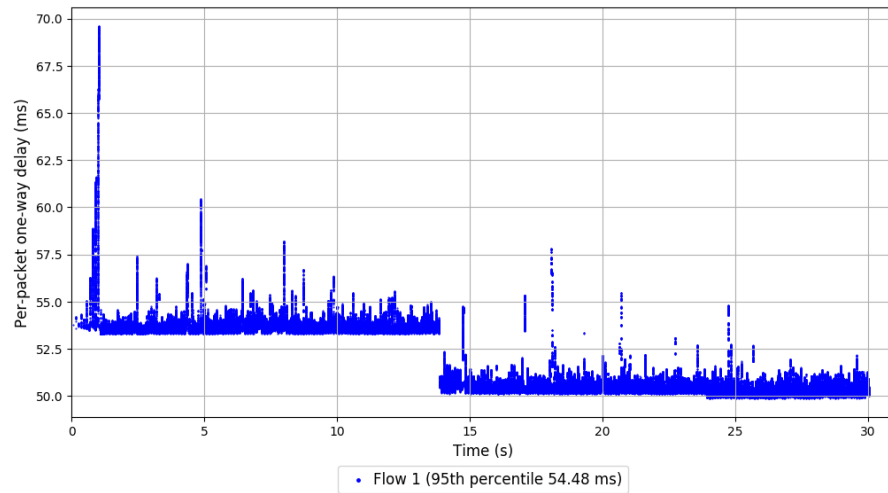
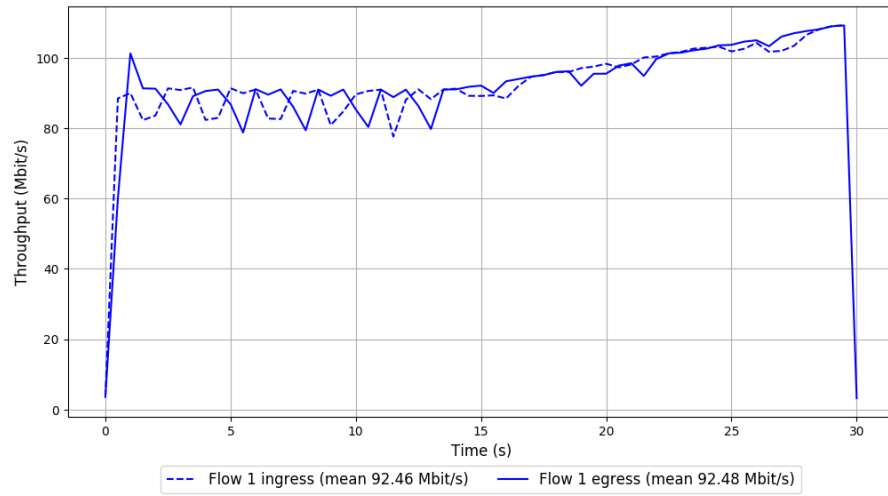
-- Flow 1:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 54.478 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-03-20 17:52:24

End at: 2018-03-20 17:52:54

Below is generated by plot.py at 2018-03-20 20:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.86 Mbit/s

95th percentile per-packet one-way delay: 58.295 ms

Loss rate: 0.00%

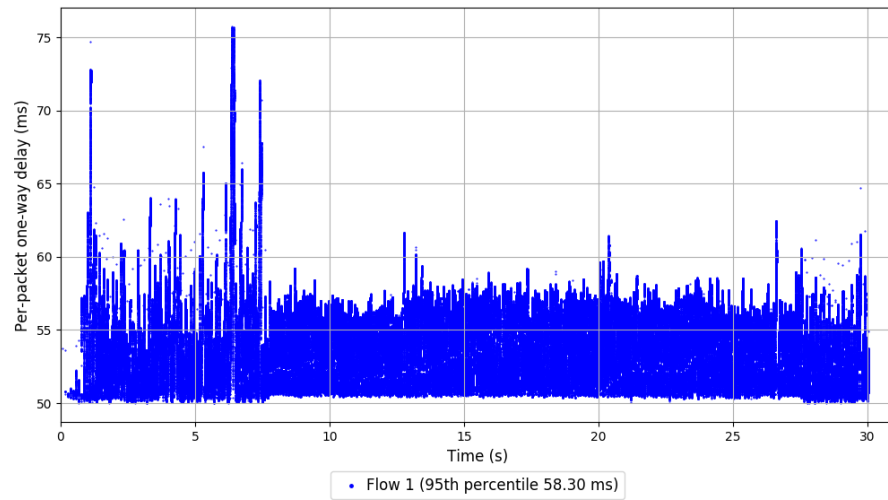
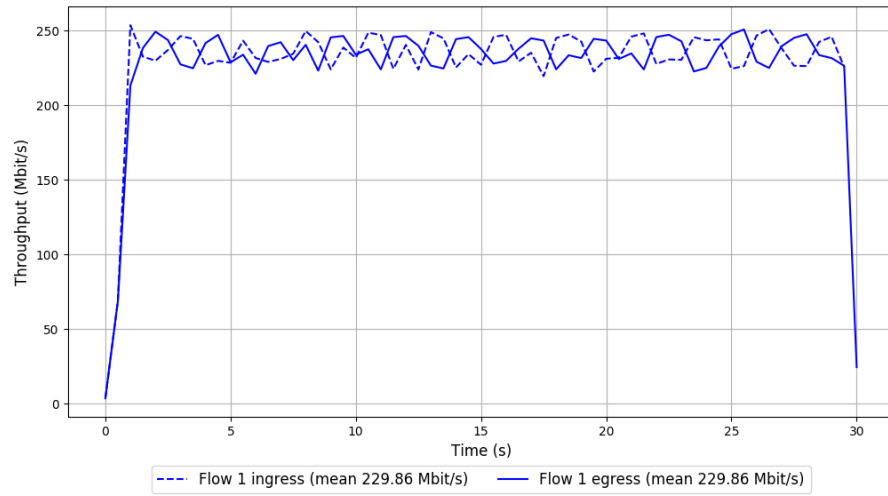
-- Flow 1:

Average throughput: 229.86 Mbit/s

95th percentile per-packet one-way delay: 58.295 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-20 18:06:58

End at: 2018-03-20 18:07:28

Below is generated by plot.py at 2018-03-20 20:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.12 Mbit/s

95th percentile per-packet one-way delay: 51.606 ms

Loss rate: 0.00%

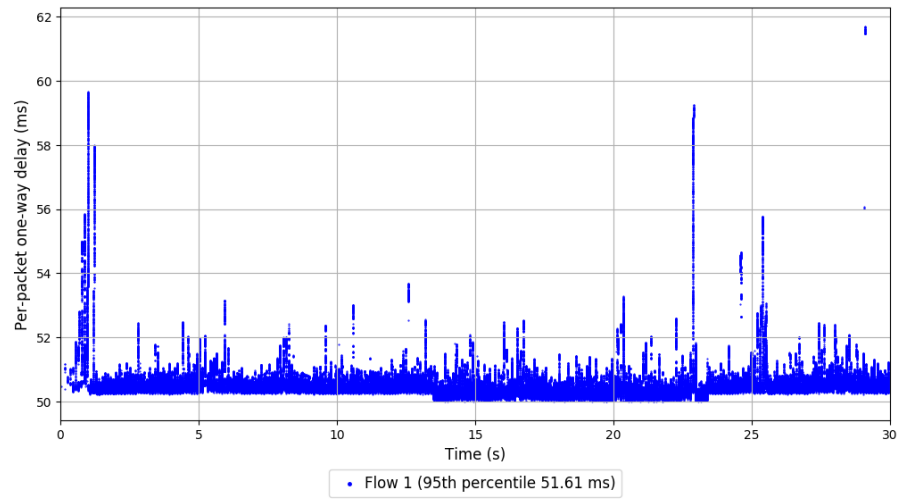
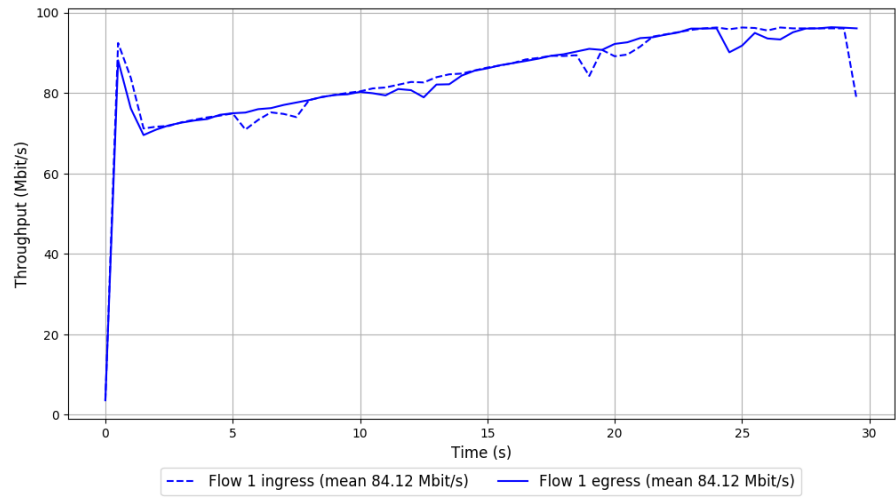
-- Flow 1:

Average throughput: 84.12 Mbit/s

95th percentile per-packet one-way delay: 51.606 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-03-20 16:03:22

End at: 2018-03-20 16:03:52

Below is generated by plot.py at 2018-03-20 20:26:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.43 Mbit/s

95th percentile per-packet one-way delay: 110.494 ms

Loss rate: 0.12%

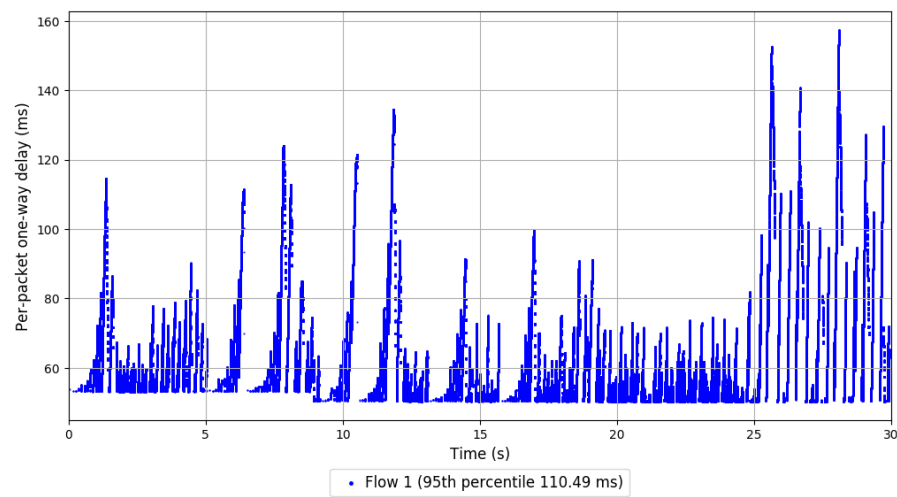
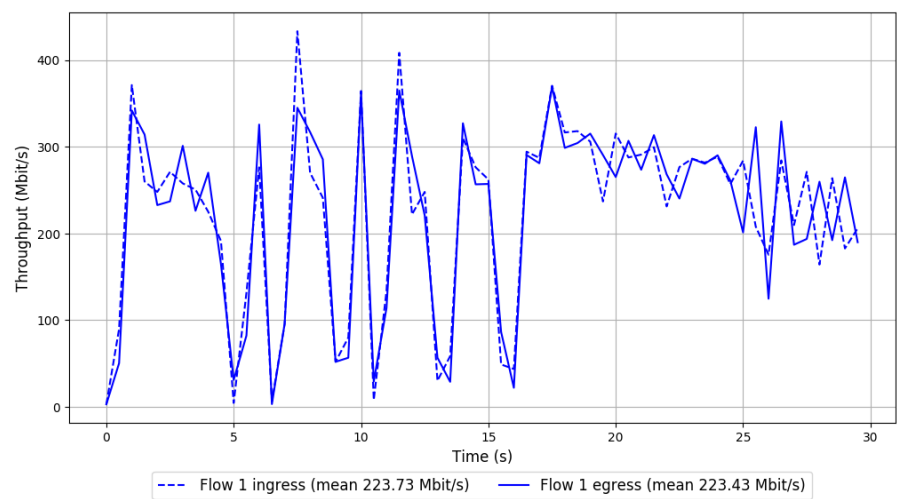
-- Flow 1:

Average throughput: 223.43 Mbit/s

95th percentile per-packet one-way delay: 110.494 ms

Loss rate: 0.12%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-20 16:17:37

End at: 2018-03-20 16:18:07

Below is generated by plot.py at 2018-03-20 20:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.31 Mbit/s

95th percentile per-packet one-way delay: 109.408 ms

Loss rate: 0.00%

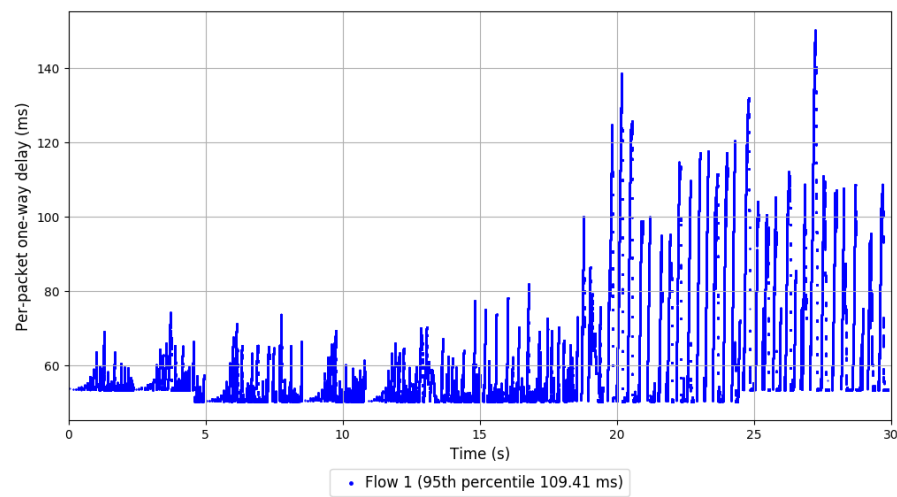
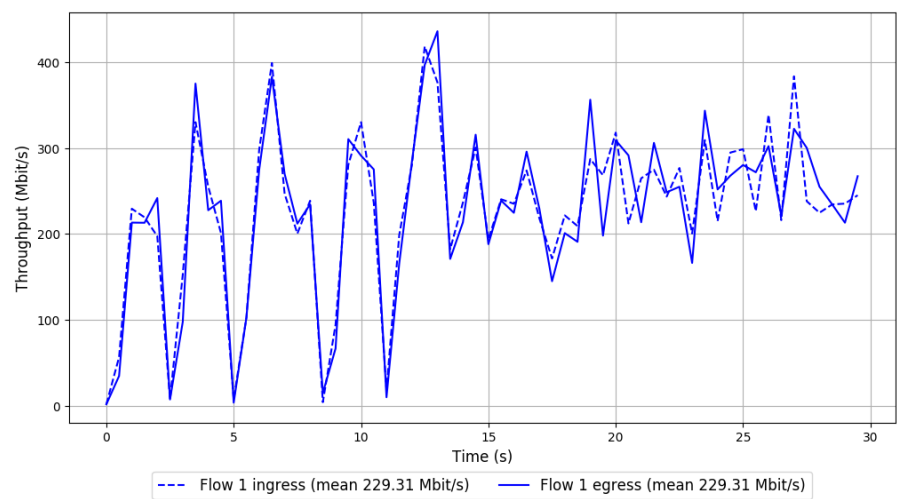
-- Flow 1:

Average throughput: 229.31 Mbit/s

95th percentile per-packet one-way delay: 109.408 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-03-20 16:31:59

End at: 2018-03-20 16:32:29

Below is generated by plot.py at 2018-03-20 20:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.82 Mbit/s

95th percentile per-packet one-way delay: 82.705 ms

Loss rate: 0.00%

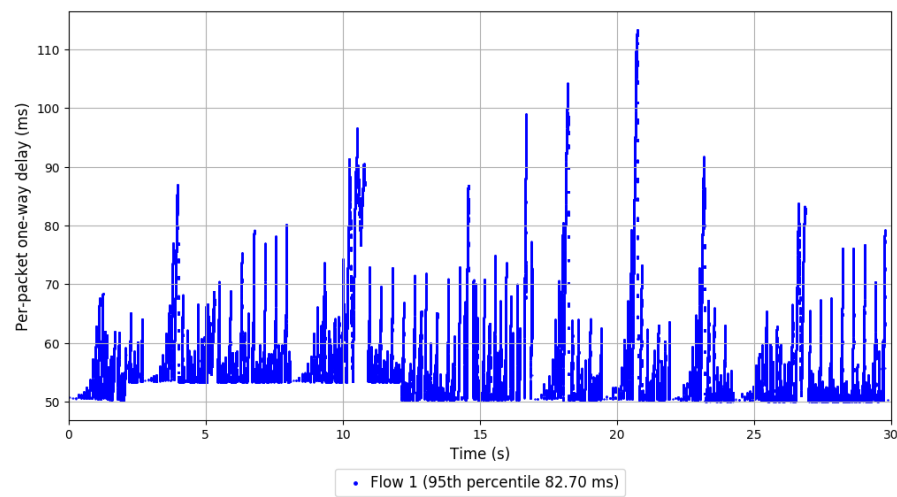
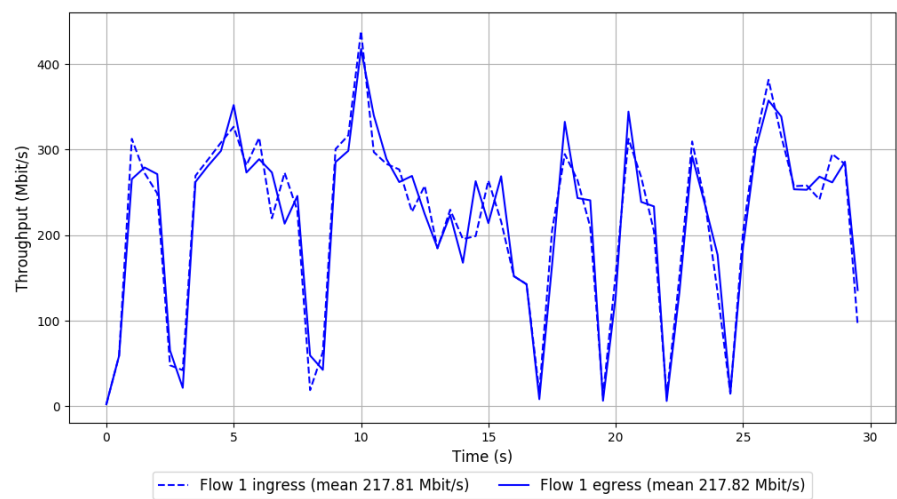
-- Flow 1:

Average throughput: 217.82 Mbit/s

95th percentile per-packet one-way delay: 82.705 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-03-20 16:46:33

End at: 2018-03-20 16:47:03

Below is generated by plot.py at 2018-03-20 20:27:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.68 Mbit/s

95th percentile per-packet one-way delay: 66.886 ms

Loss rate: 0.17%

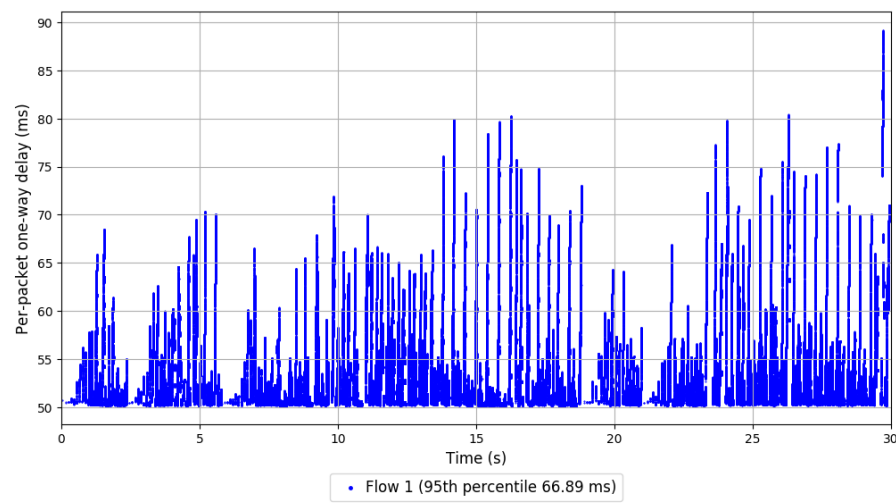
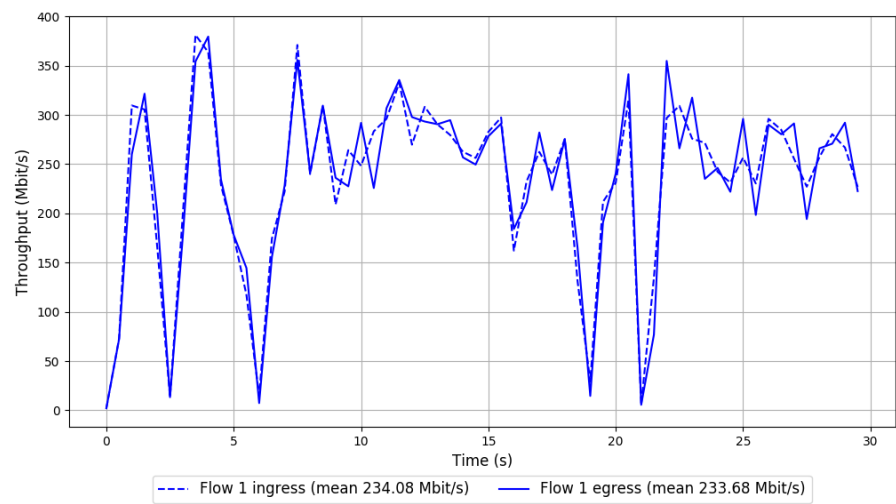
-- Flow 1:

Average throughput: 233.68 Mbit/s

95th percentile per-packet one-way delay: 66.886 ms

Loss rate: 0.17%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-03-20 17:00:49

End at: 2018-03-20 17:01:19

Below is generated by plot.py at 2018-03-20 20:27:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.22 Mbit/s

95th percentile per-packet one-way delay: 81.604 ms

Loss rate: 0.00%

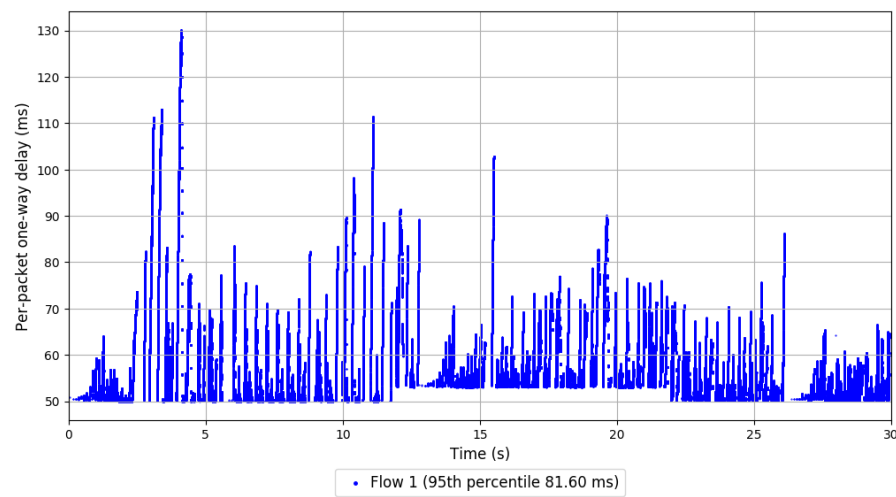
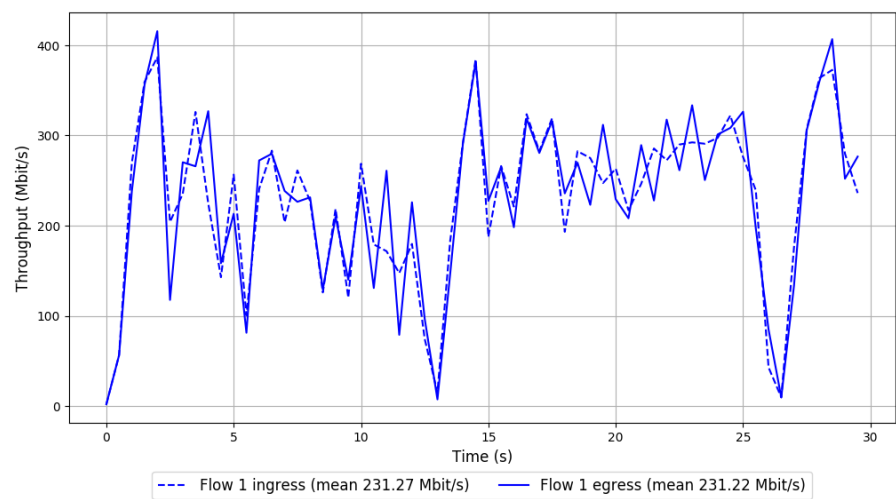
-- Flow 1:

Average throughput: 231.22 Mbit/s

95th percentile per-packet one-way delay: 81.604 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-03-20 17:15:03

End at: 2018-03-20 17:15:33

Below is generated by plot.py at 2018-03-20 20:28:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.01 Mbit/s

95th percentile per-packet one-way delay: 169.477 ms

Loss rate: 0.83%

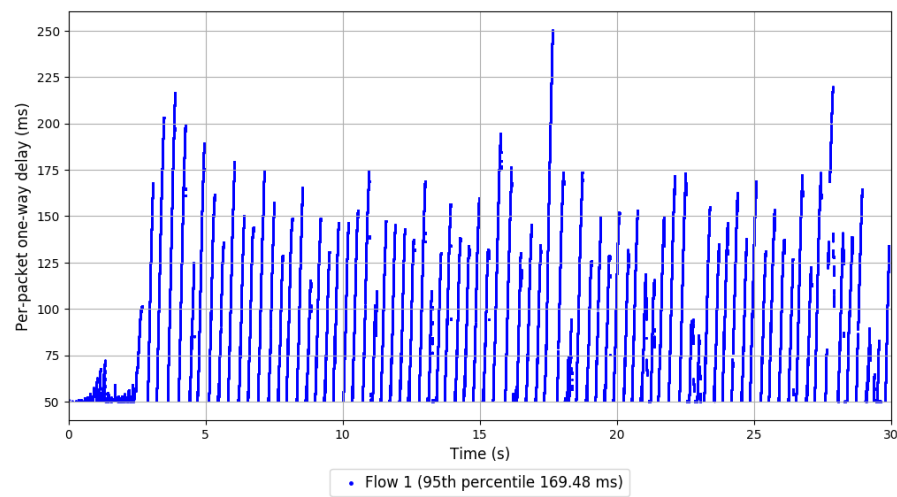
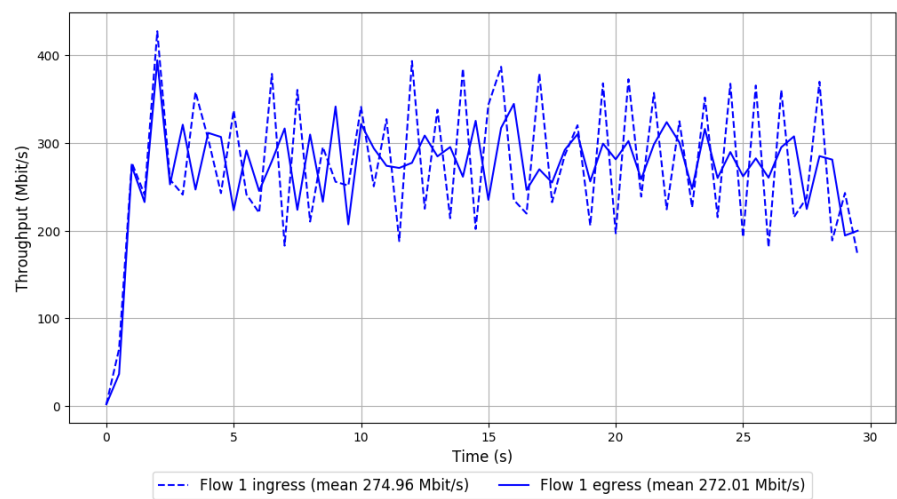
-- Flow 1:

Average throughput: 272.01 Mbit/s

95th percentile per-packet one-way delay: 169.477 ms

Loss rate: 0.83%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-03-20 17:29:18

End at: 2018-03-20 17:29:48

Below is generated by plot.py at 2018-03-20 20:28:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.51 Mbit/s

95th percentile per-packet one-way delay: 83.957 ms

Loss rate: 0.00%

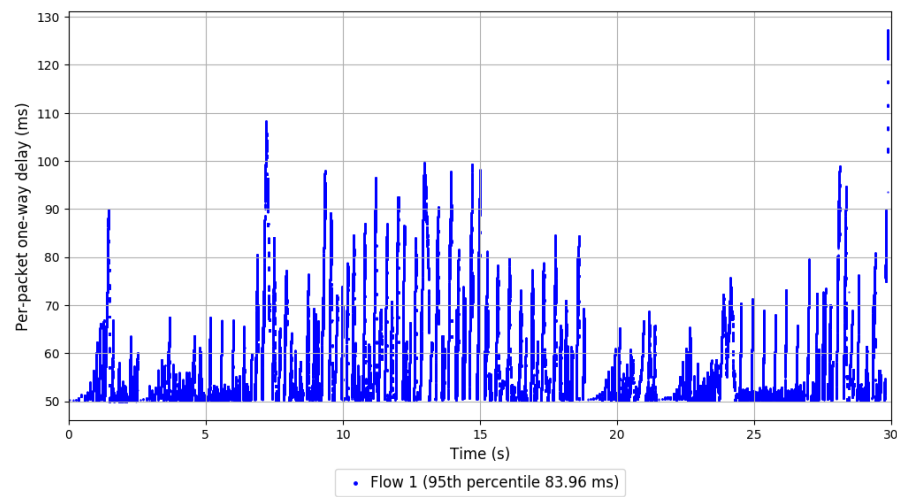
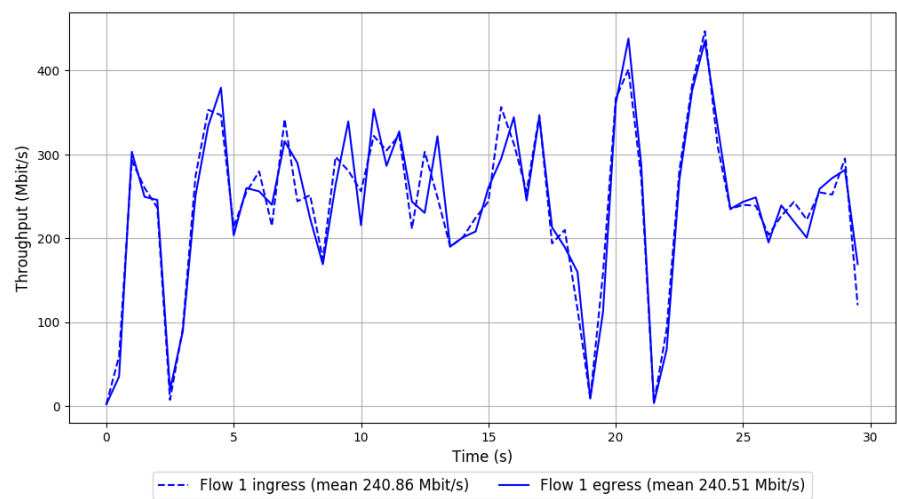
-- Flow 1:

Average throughput: 240.51 Mbit/s

95th percentile per-packet one-way delay: 83.957 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-03-20 17:43:53

End at: 2018-03-20 17:44:23

Below is generated by plot.py at 2018-03-20 20:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.79 Mbit/s

95th percentile per-packet one-way delay: 75.861 ms

Loss rate: 0.00%

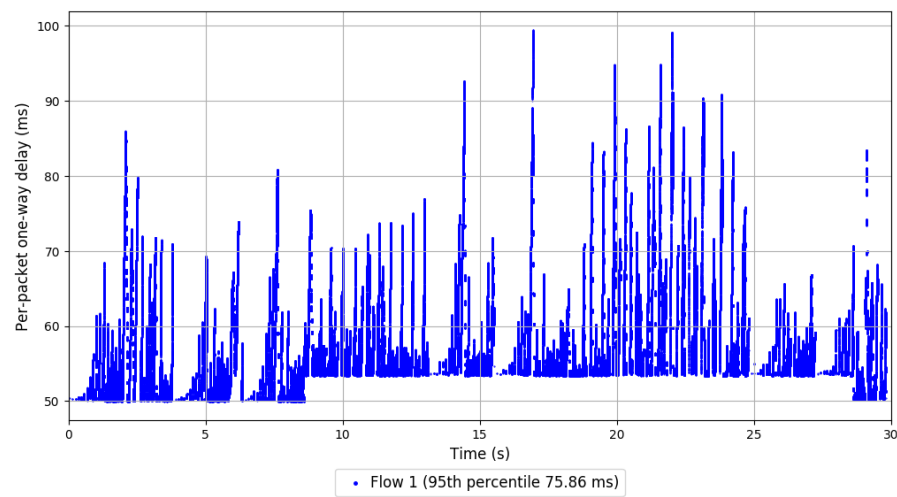
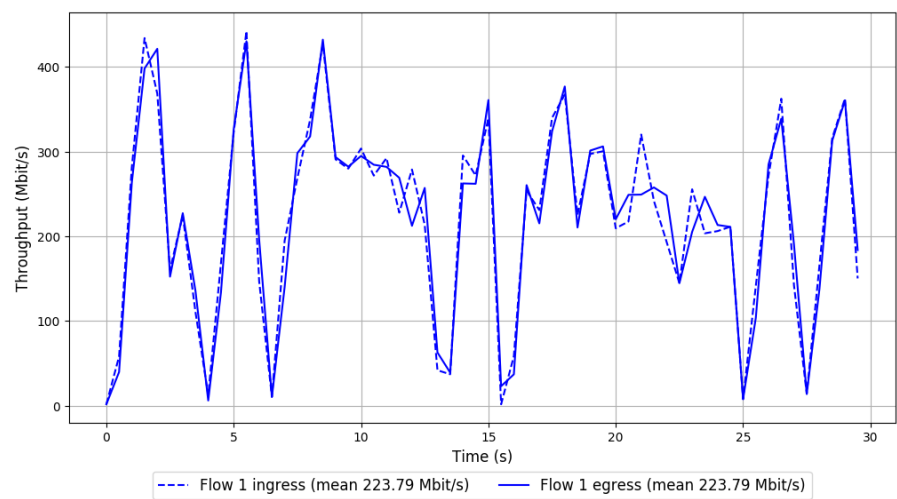
-- Flow 1:

Average throughput: 223.79 Mbit/s

95th percentile per-packet one-way delay: 75.861 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-03-20 17:58:15

End at: 2018-03-20 17:58:45

Below is generated by plot.py at 2018-03-20 20:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.36 Mbit/s

95th percentile per-packet one-way delay: 110.191 ms

Loss rate: 0.00%

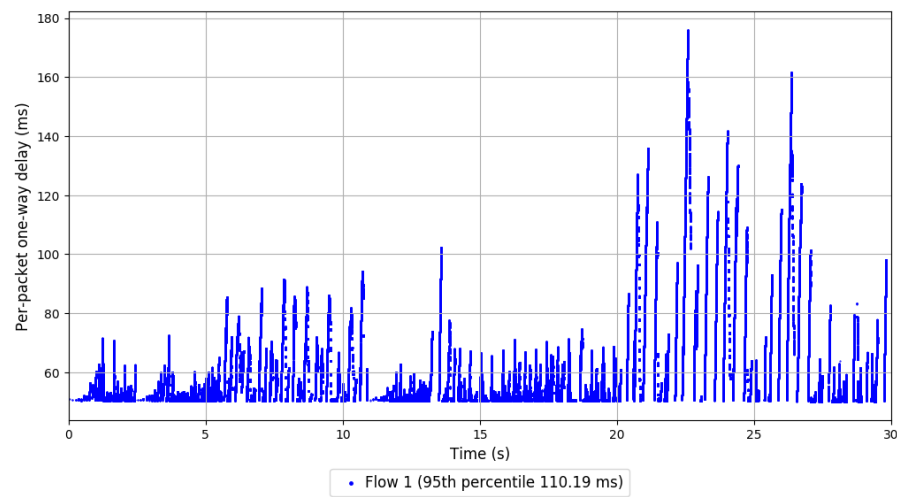
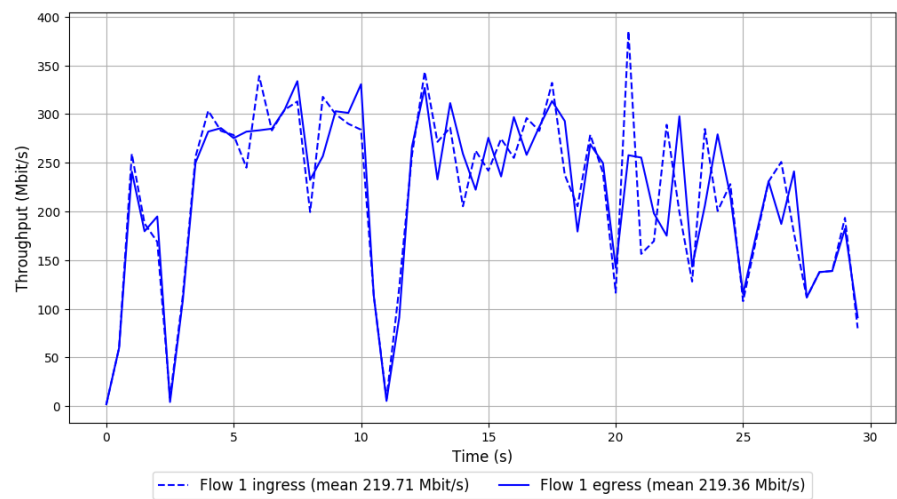
-- Flow 1:

Average throughput: 219.36 Mbit/s

95th percentile per-packet one-way delay: 110.191 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-03-20 18:12:41

End at: 2018-03-20 18:13:11

Below is generated by plot.py at 2018-03-20 20:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.58 Mbit/s

95th percentile per-packet one-way delay: 67.557 ms

Loss rate: 0.00%

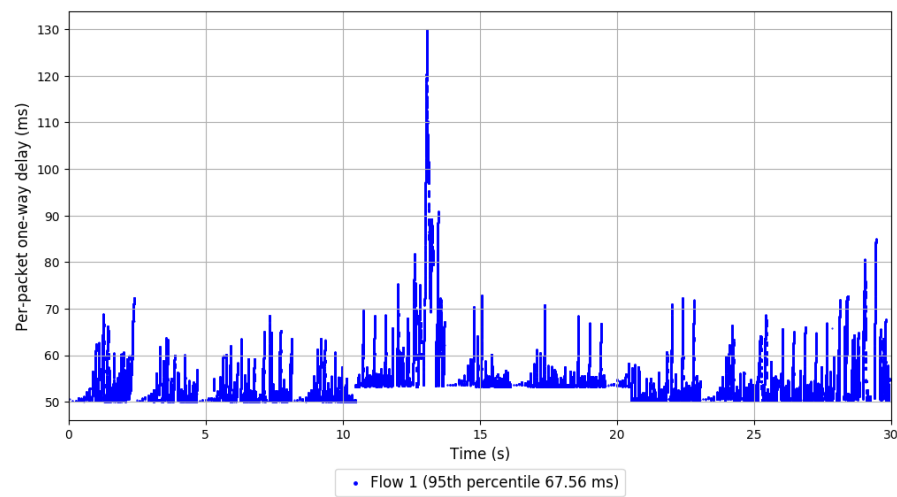
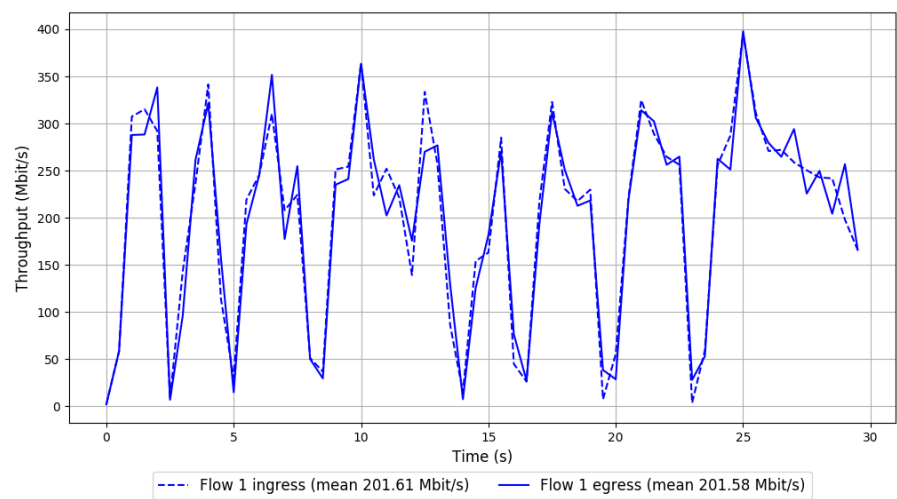
-- Flow 1:

Average throughput: 201.58 Mbit/s

95th percentile per-packet one-way delay: 67.557 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-20 16:00:42

End at: 2018-03-20 16:01:13

Below is generated by plot.py at 2018-03-20 20:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 53.524 ms

Loss rate: 0.00%

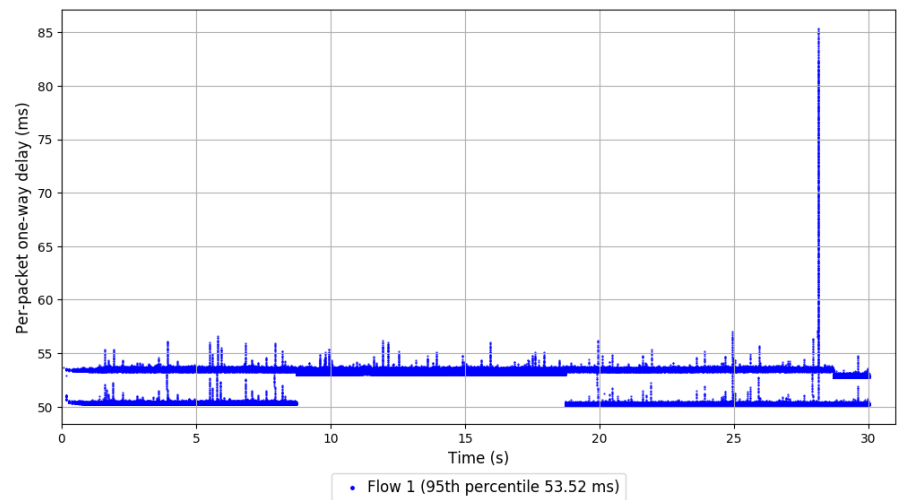
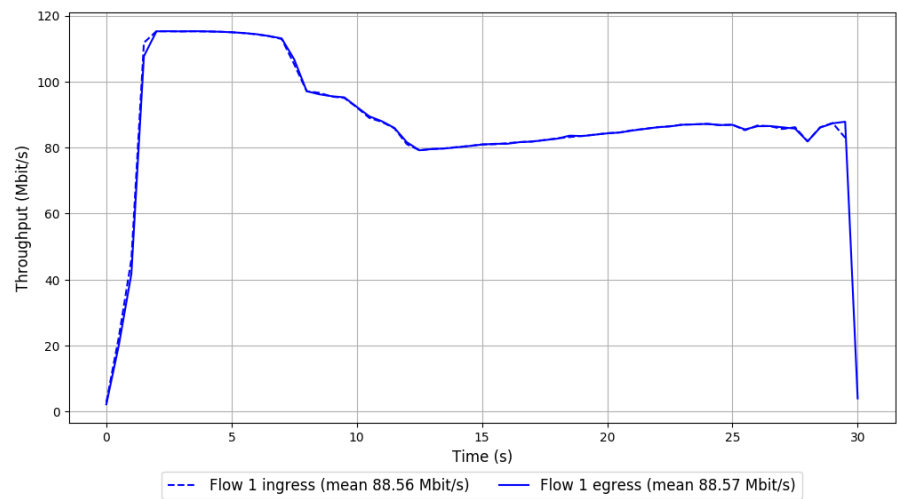
-- Flow 1:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 53.524 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-20 16:15:00

End at: 2018-03-20 16:15:30

Below is generated by plot.py at 2018-03-20 20:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 53.452 ms

Loss rate: 0.00%

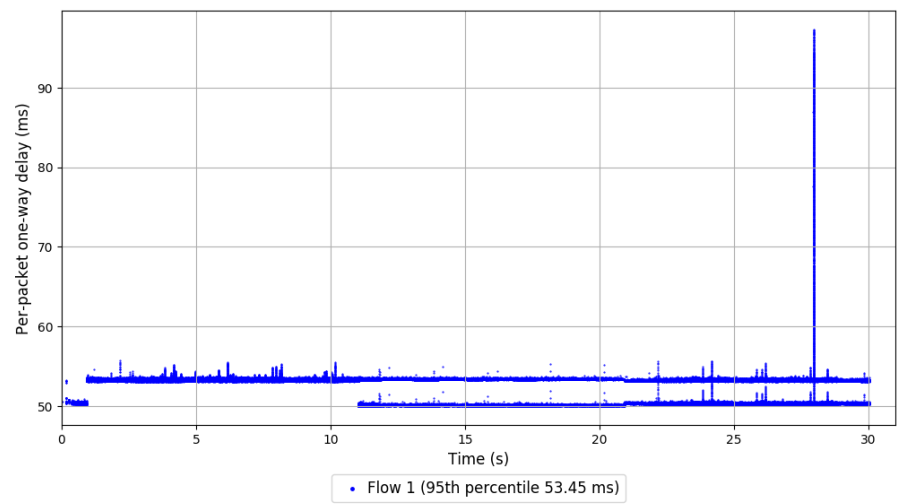
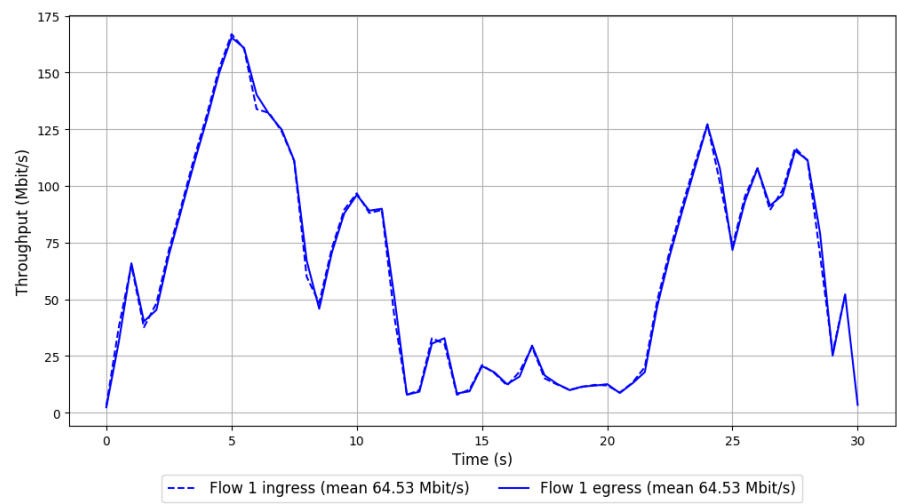
-- Flow 1:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 53.452 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-03-20 16:29:19

End at: 2018-03-20 16:29:49

Below is generated by plot.py at 2018-03-20 20:30:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 50.418 ms

Loss rate: 0.00%

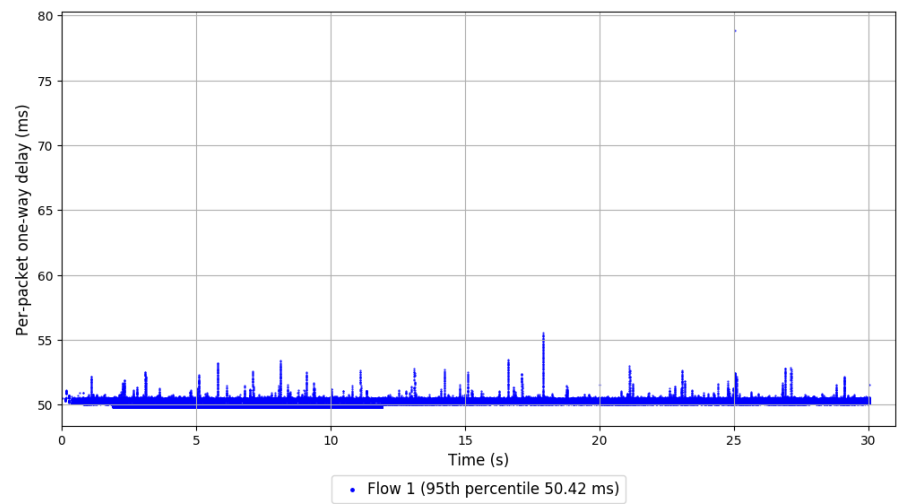
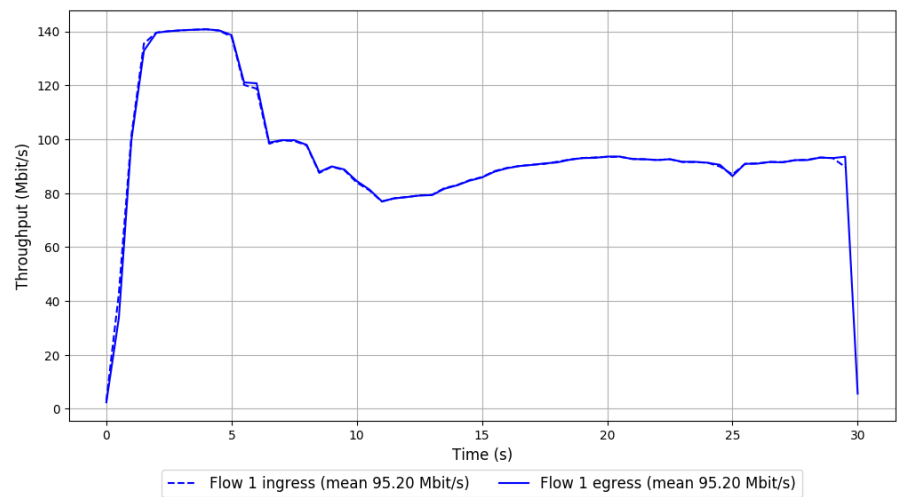
-- Flow 1:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 50.418 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

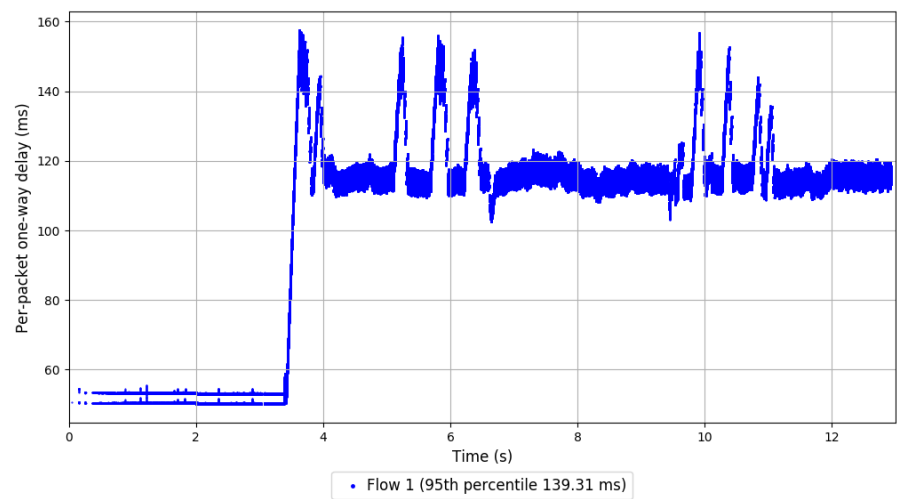
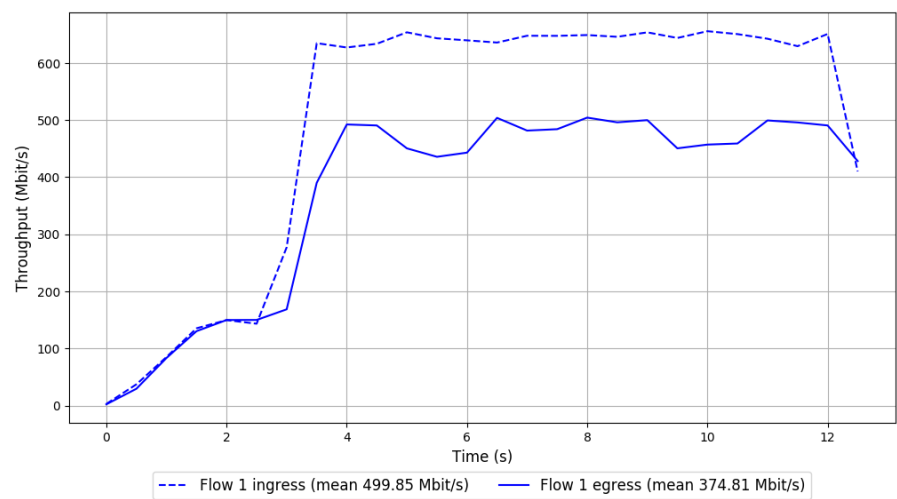


Run 4: Statistics of Copa

Start at: 2018-03-20 16:43:49

End at: 2018-03-20 16:44:19

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-20 16:58:08

End at: 2018-03-20 16:58:38

Below is generated by plot.py at 2018-03-20 20:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 53.562 ms

Loss rate: 0.00%

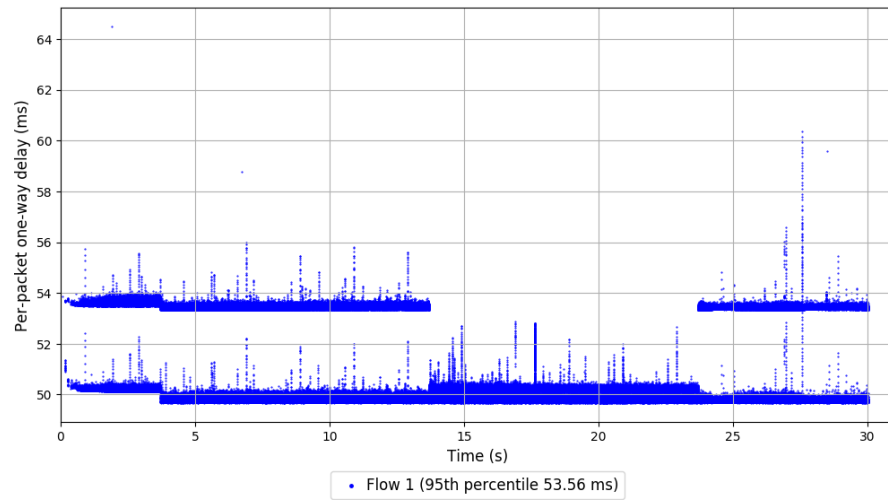
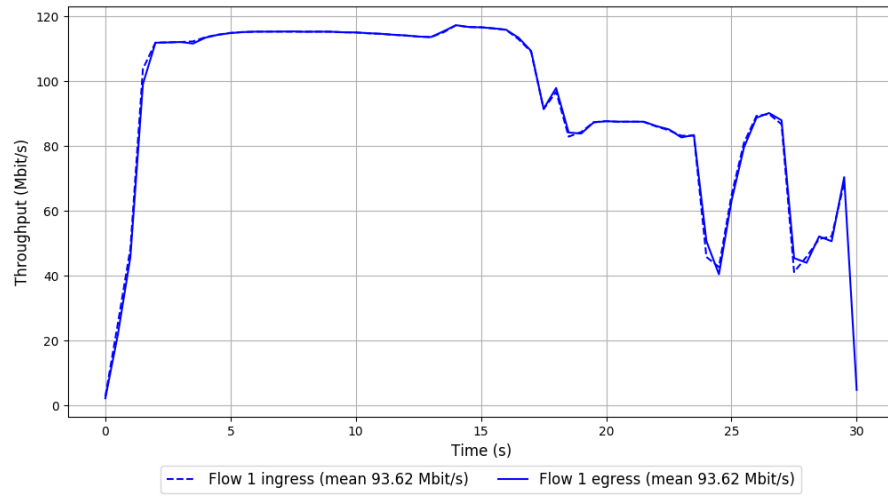
-- Flow 1:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 53.562 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-20 17:12:24

End at: 2018-03-20 17:12:54

Below is generated by plot.py at 2018-03-20 20:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 50.278 ms

Loss rate: 0.00%

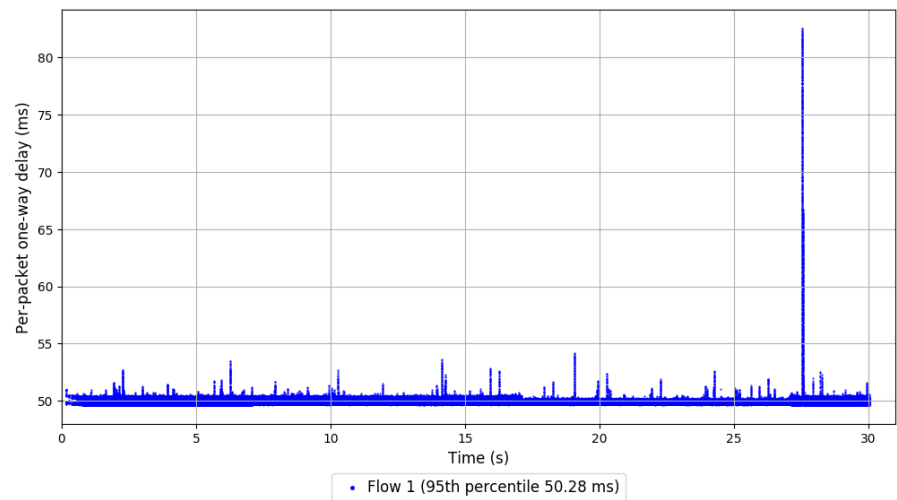
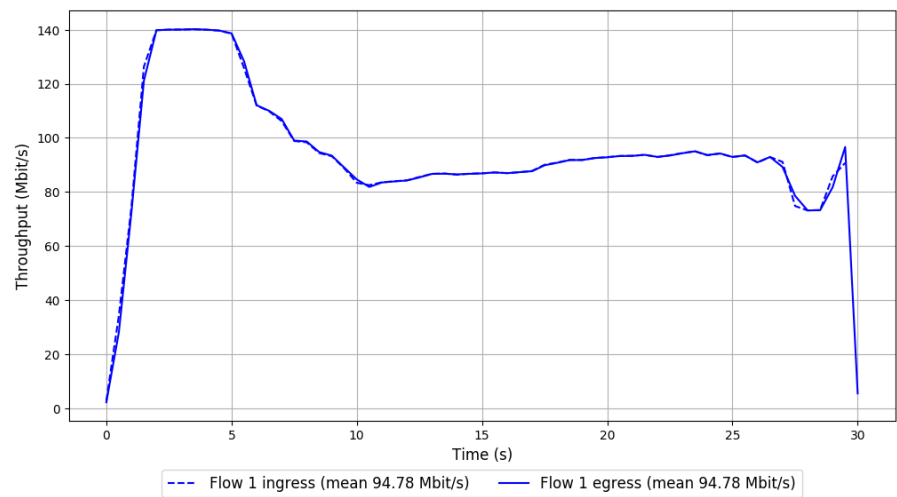
-- Flow 1:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 50.278 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-03-20 17:26:39

End at: 2018-03-20 17:27:09

Below is generated by plot.py at 2018-03-20 20:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.00 Mbit/s

95th percentile per-packet one-way delay: 53.604 ms

Loss rate: 0.00%

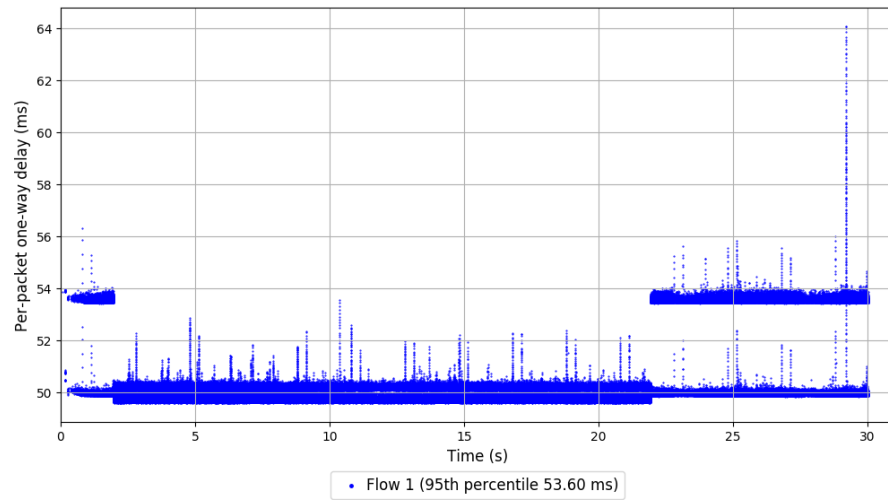
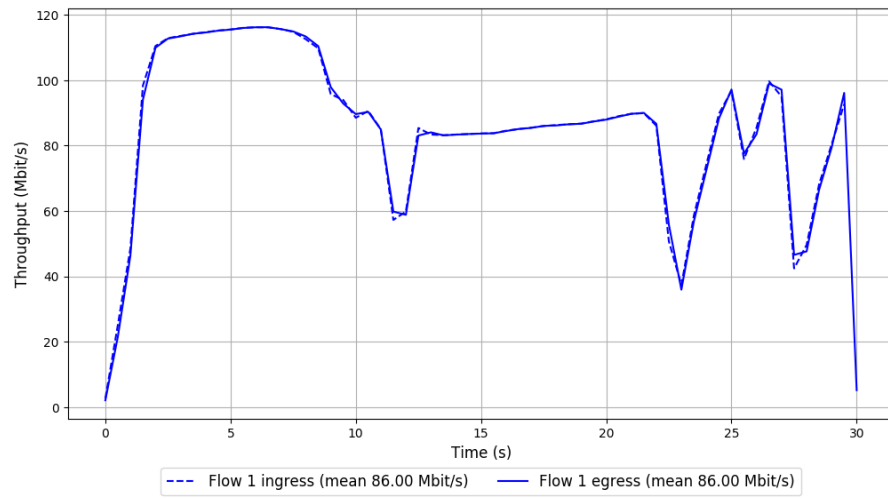
-- Flow 1:

Average throughput: 86.00 Mbit/s

95th percentile per-packet one-way delay: 53.604 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-20 17:41:13

End at: 2018-03-20 17:41:44

Below is generated by plot.py at 2018-03-20 20:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.74 Mbit/s

95th percentile per-packet one-way delay: 53.536 ms

Loss rate: 0.00%

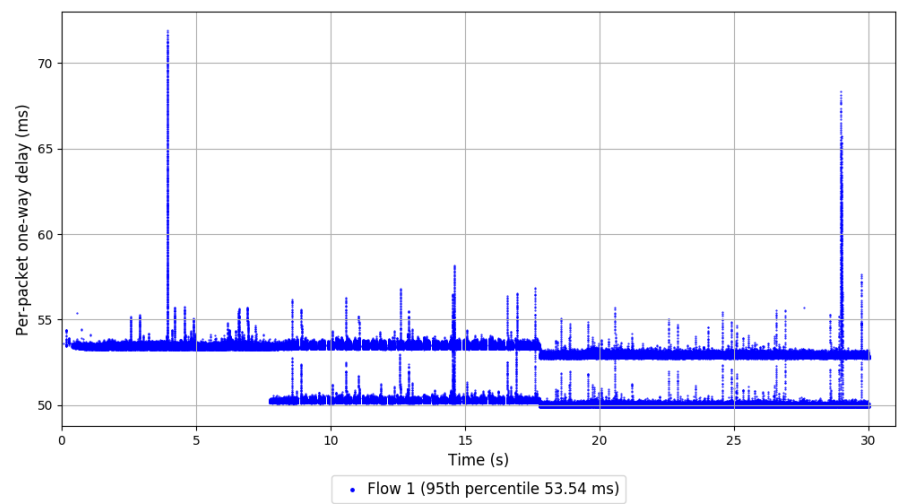
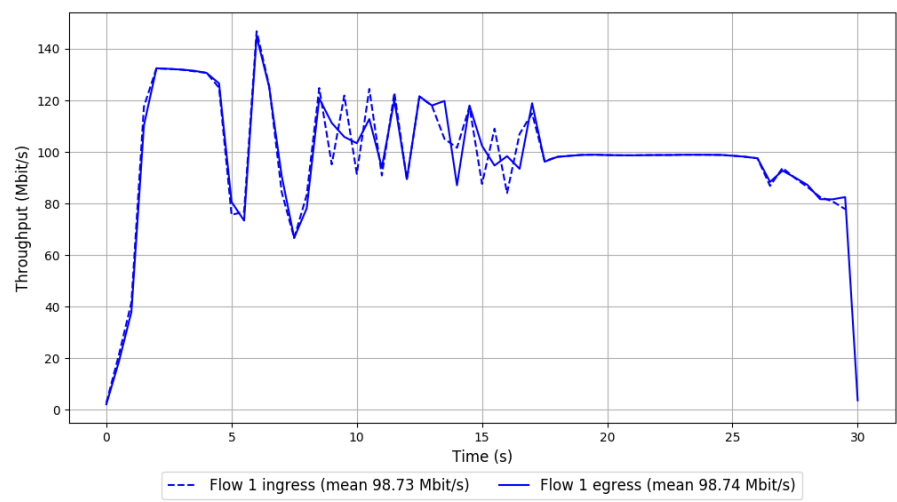
-- Flow 1:

Average throughput: 98.74 Mbit/s

95th percentile per-packet one-way delay: 53.536 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-03-20 17:55:36

End at: 2018-03-20 17:56:06

Below is generated by plot.py at 2018-03-20 20:34:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.21 Mbit/s

95th percentile per-packet one-way delay: 53.843 ms

Loss rate: 0.00%

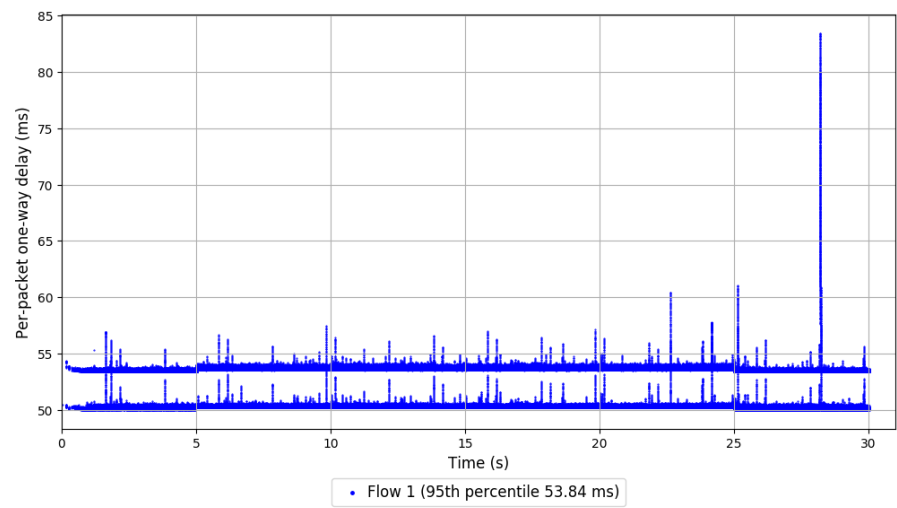
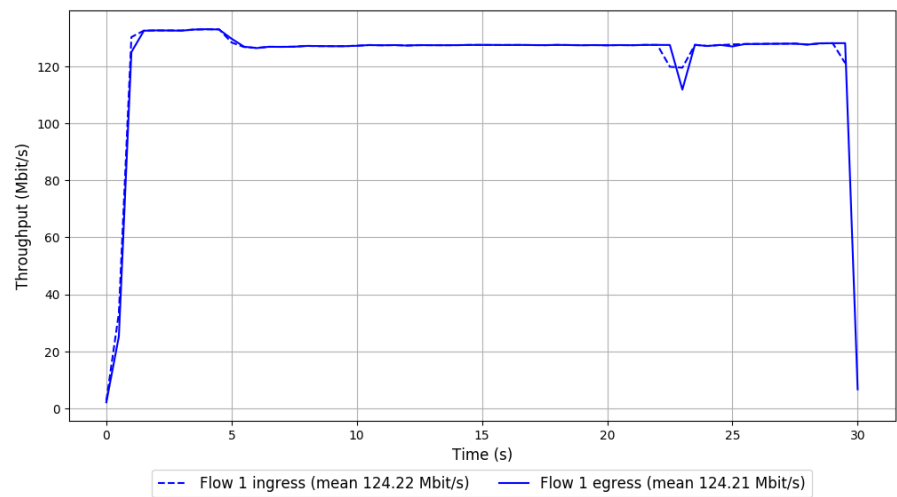
-- Flow 1:

Average throughput: 124.21 Mbit/s

95th percentile per-packet one-way delay: 53.843 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-03-20 18:10:05

End at: 2018-03-20 18:10:35

Below is generated by plot.py at 2018-03-20 20:34:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 53.410 ms

Loss rate: 0.00%

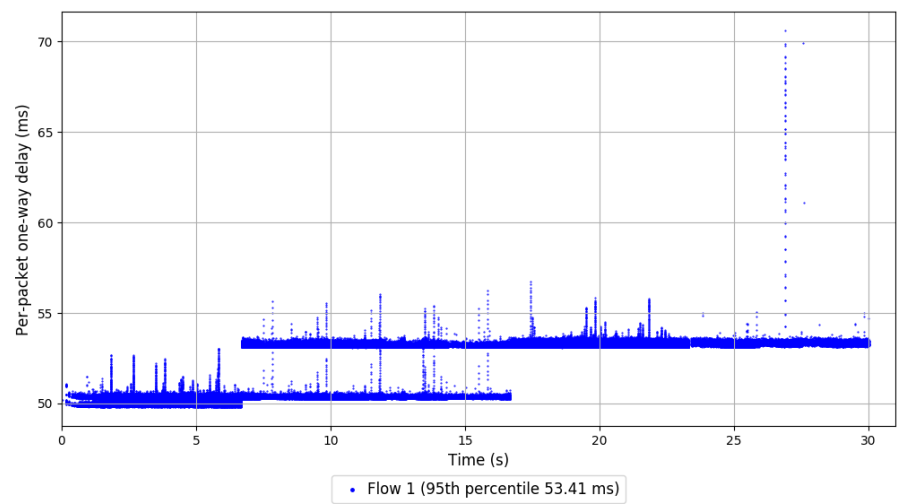
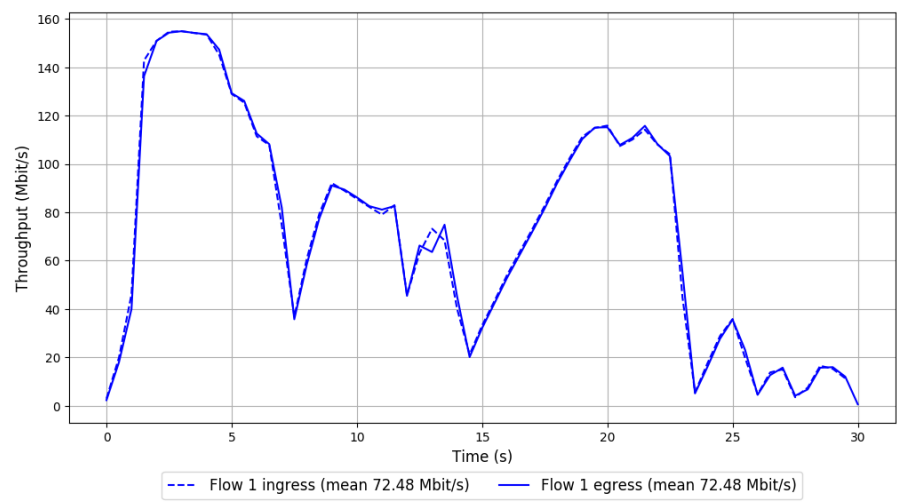
-- Flow 1:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 53.410 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

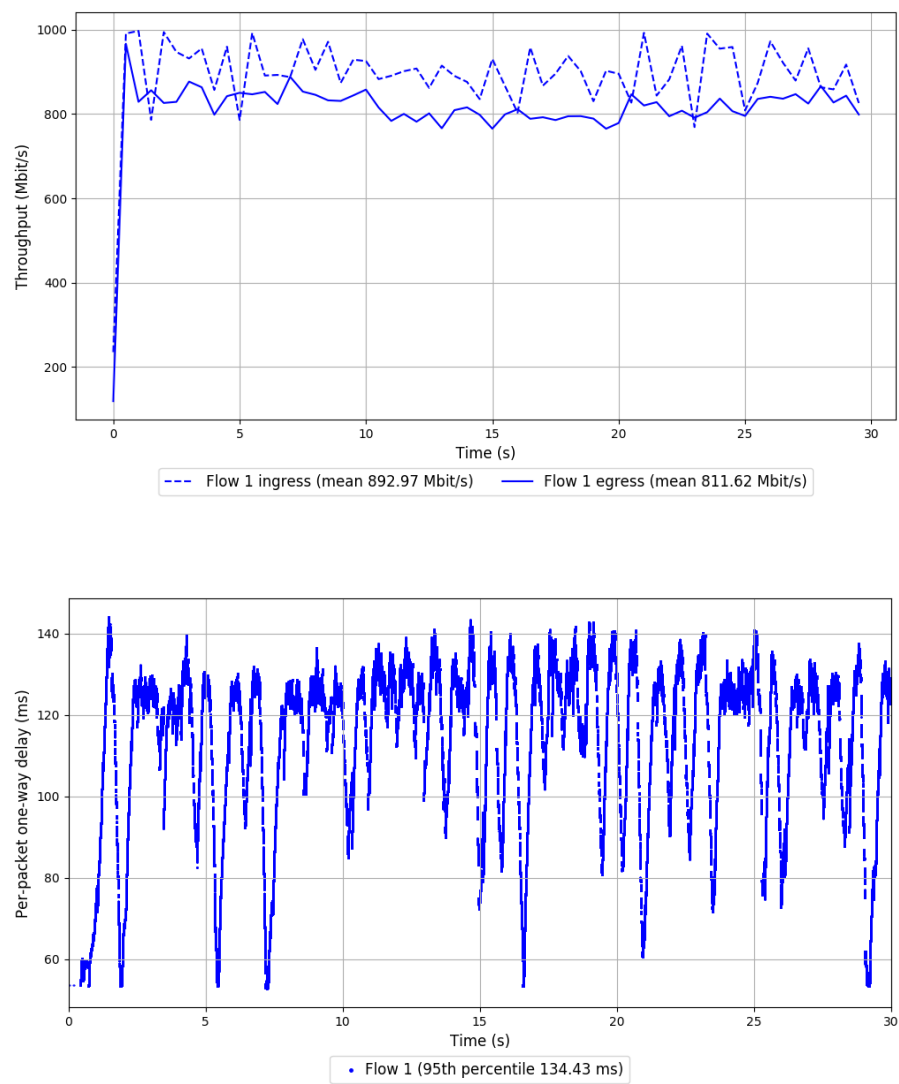


```
Run 1: Statistics of FillP

Start at: 2018-03-20 15:53:55
End at: 2018-03-20 15:54:25

# Below is generated by plot.py at 2018-03-20 20:46:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 811.62 Mbit/s
95th percentile per-packet one-way delay: 134.431 ms
Loss rate: 9.11%
-- Flow 1:
Average throughput: 811.62 Mbit/s
95th percentile per-packet one-way delay: 134.431 ms
Loss rate: 9.11%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-03-20 16:08:21

End at: 2018-03-20 16:08:51

Below is generated by plot.py at 2018-03-20 20:47:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 820.77 Mbit/s

95th percentile per-packet one-way delay: 132.221 ms

Loss rate: 9.03%

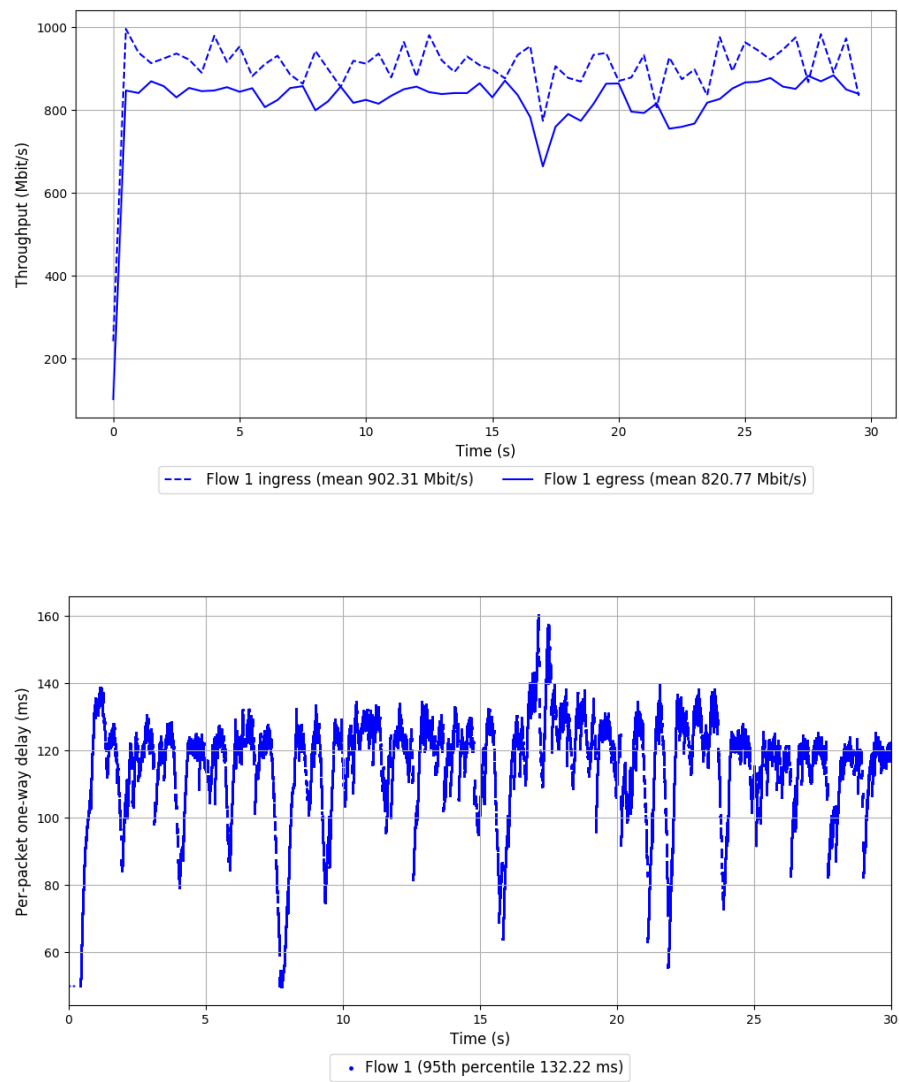
-- Flow 1:

Average throughput: 820.77 Mbit/s

95th percentile per-packet one-way delay: 132.221 ms

Loss rate: 9.03%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-03-20 16:22:35

End at: 2018-03-20 16:23:05

Below is generated by plot.py at 2018-03-20 20:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 848.73 Mbit/s

95th percentile per-packet one-way delay: 128.482 ms

Loss rate: 8.95%

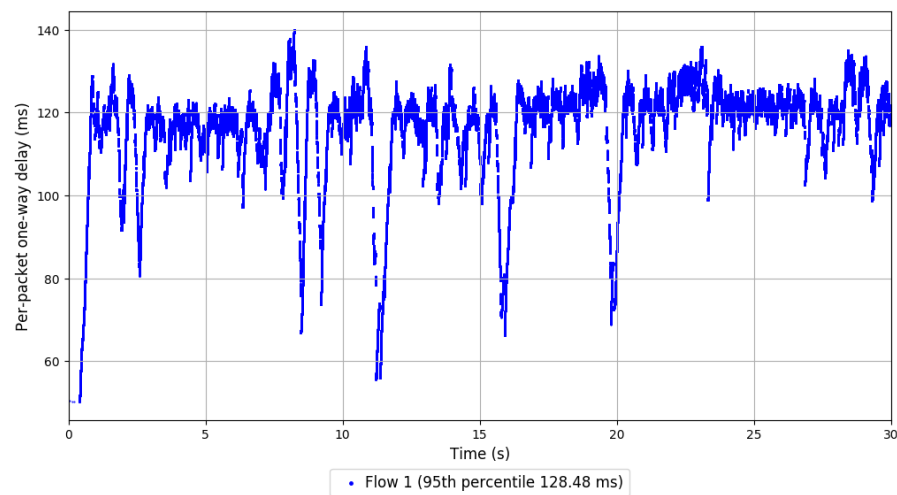
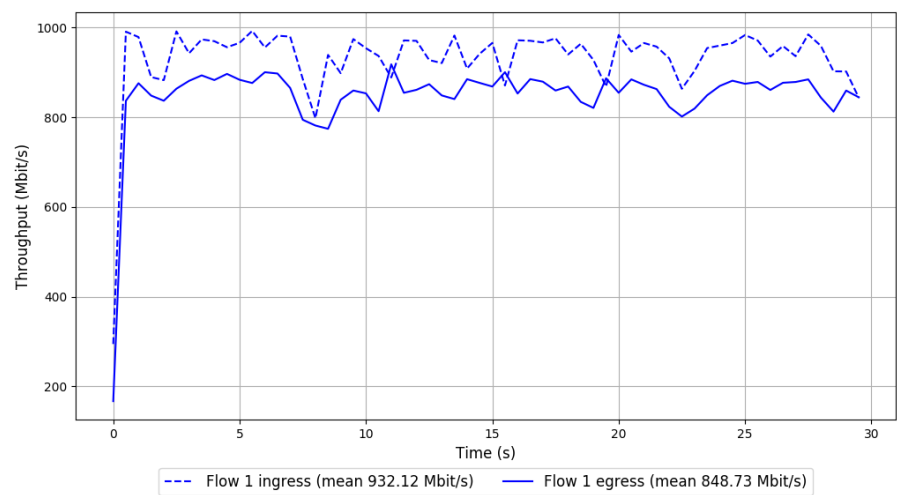
-- Flow 1:

Average throughput: 848.73 Mbit/s

95th percentile per-packet one-way delay: 128.482 ms

Loss rate: 8.95%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-03-20 16:36:56

End at: 2018-03-20 16:37:26

Below is generated by plot.py at 2018-03-20 20:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 763.74 Mbit/s

95th percentile per-packet one-way delay: 140.785 ms

Loss rate: 11.15%

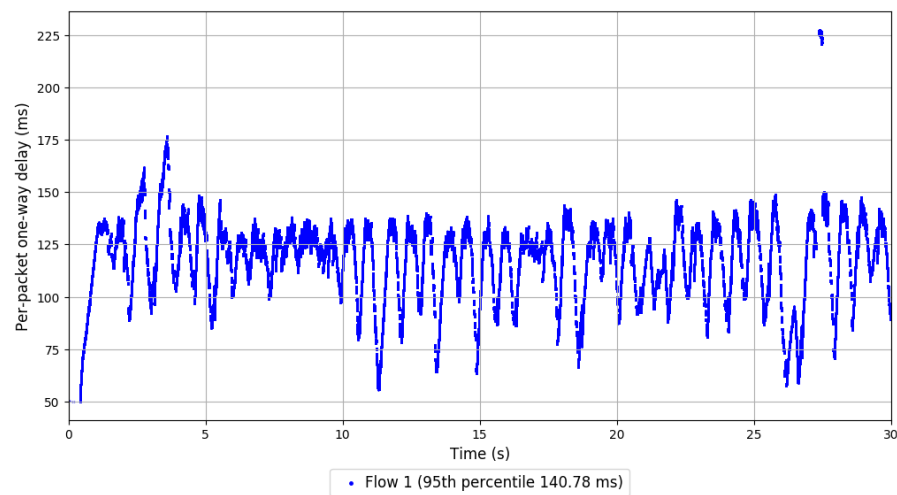
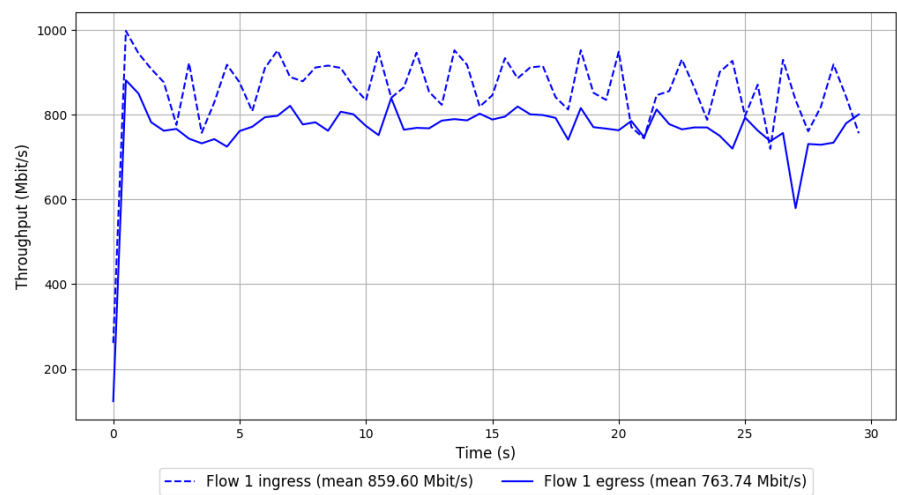
-- Flow 1:

Average throughput: 763.74 Mbit/s

95th percentile per-packet one-way delay: 140.785 ms

Loss rate: 11.15%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-03-20 16:51:32

End at: 2018-03-20 16:52:02

Below is generated by plot.py at 2018-03-20 20:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 804.16 Mbit/s

95th percentile per-packet one-way delay: 138.796 ms

Loss rate: 8.44%

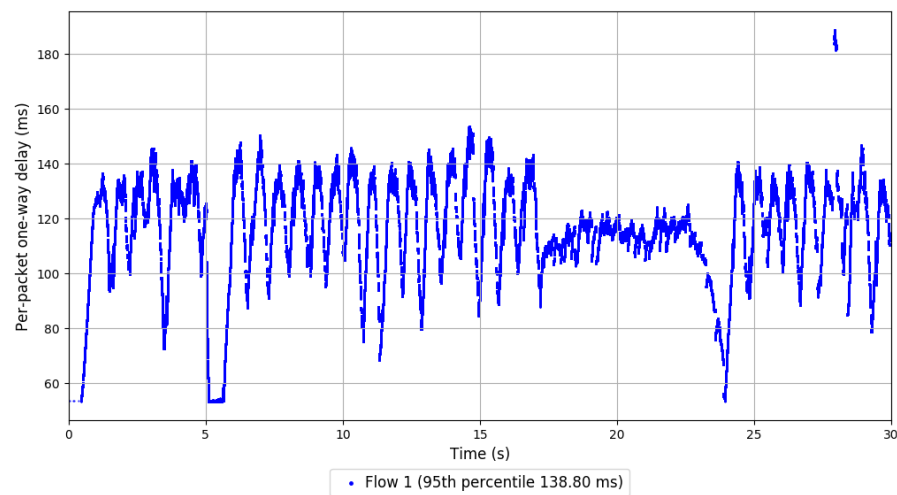
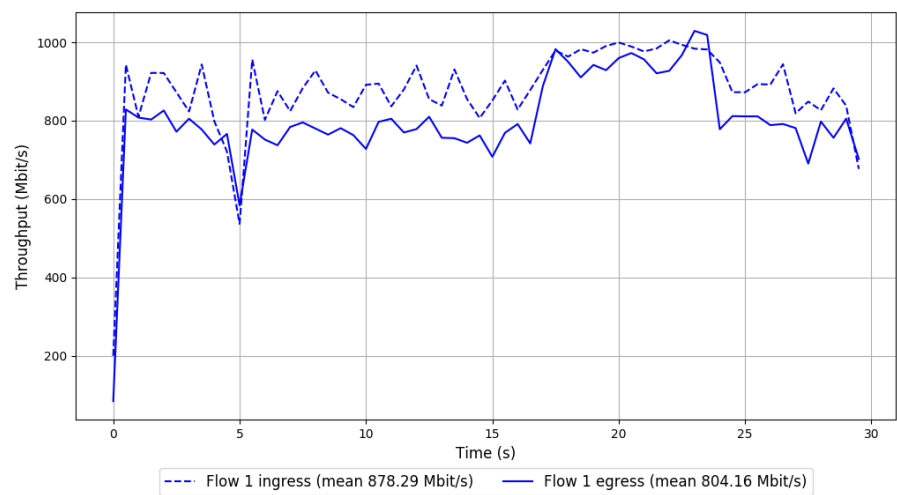
-- Flow 1:

Average throughput: 804.16 Mbit/s

95th percentile per-packet one-way delay: 138.796 ms

Loss rate: 8.44%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

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

End at: 2018-03-20 17:06:13

Below is generated by plot.py at 2018-03-20 20:48:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 826.95 Mbit/s

95th percentile per-packet one-way delay: 133.564 ms

Loss rate: 8.66%

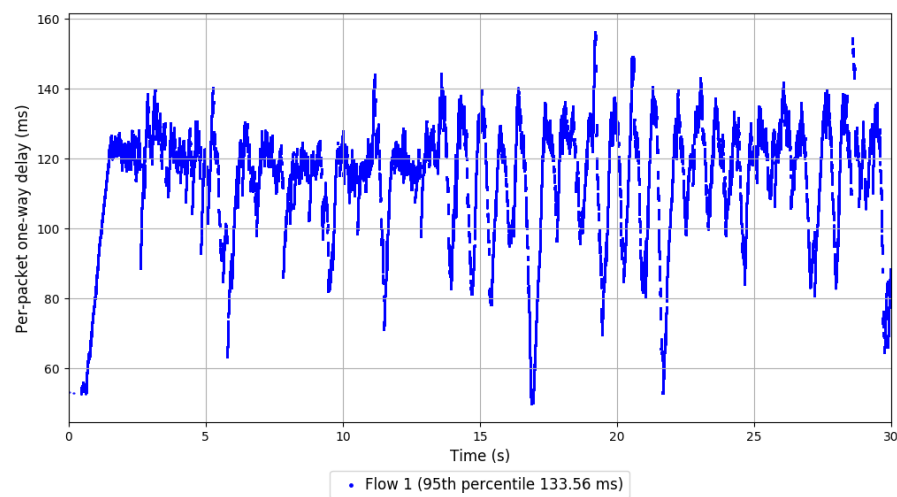
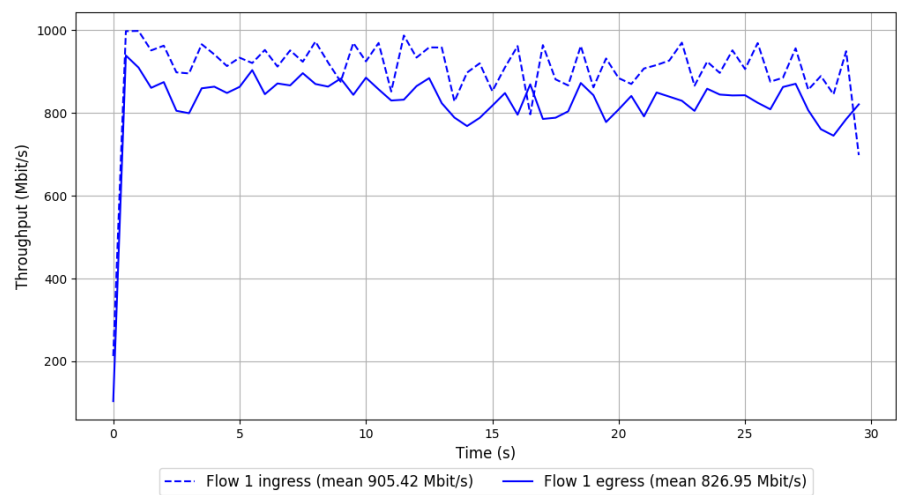
-- Flow 1:

Average throughput: 826.95 Mbit/s

95th percentile per-packet one-way delay: 133.564 ms

Loss rate: 8.66%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-20 17:20:01

End at: 2018-03-20 17:20:31

Below is generated by plot.py at 2018-03-20 20:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 772.82 Mbit/s

95th percentile per-packet one-way delay: 137.156 ms

Loss rate: 10.58%

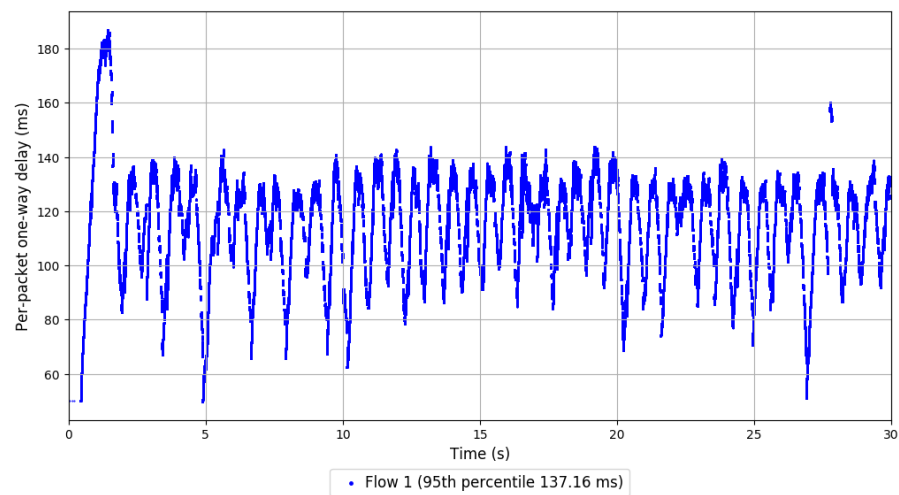
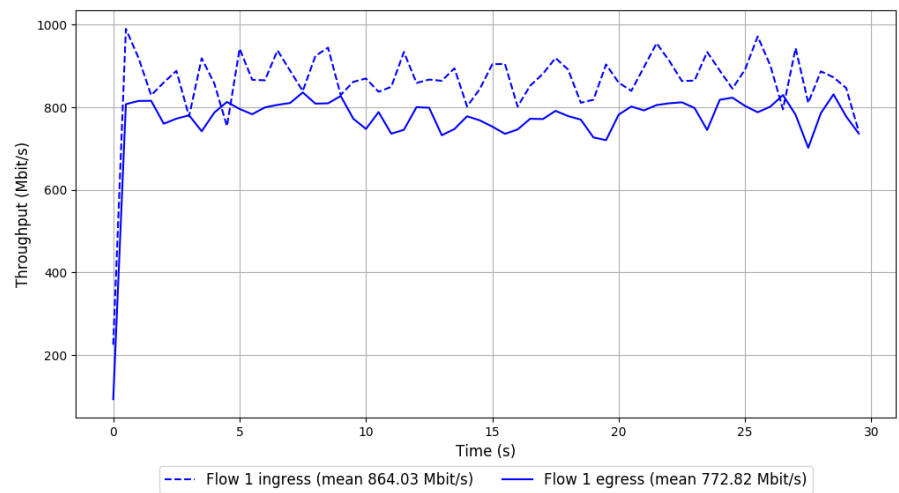
-- Flow 1:

Average throughput: 772.82 Mbit/s

95th percentile per-packet one-way delay: 137.156 ms

Loss rate: 10.58%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-20 17:34:16

End at: 2018-03-20 17:34:46

Below is generated by plot.py at 2018-03-20 20:49:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 797.93 Mbit/s

95th percentile per-packet one-way delay: 133.873 ms

Loss rate: 10.43%

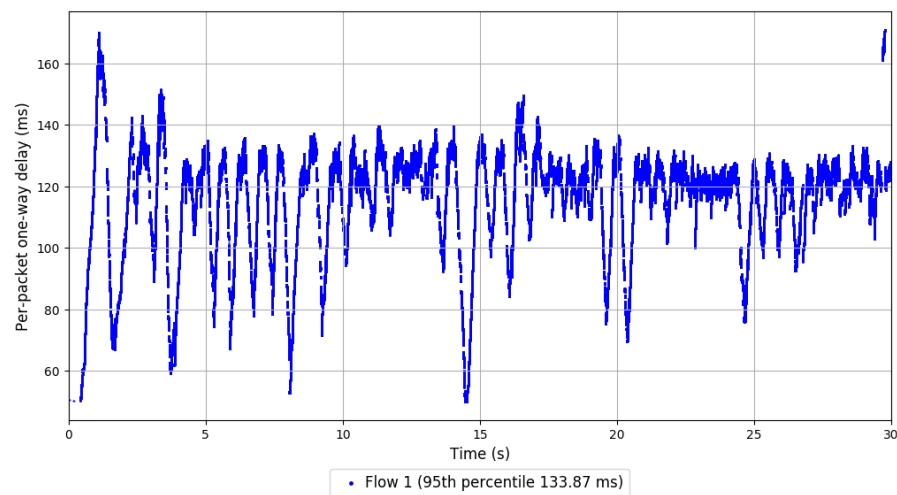
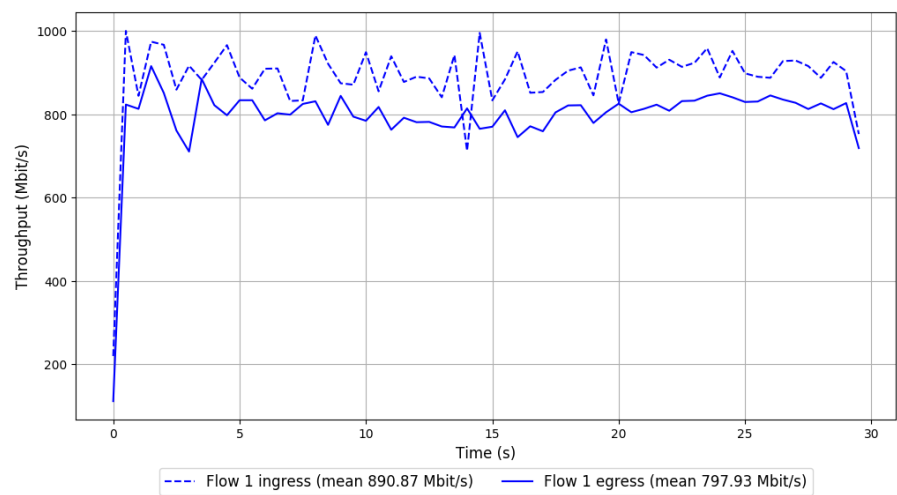
-- Flow 1:

Average throughput: 797.93 Mbit/s

95th percentile per-packet one-way delay: 133.873 ms

Loss rate: 10.43%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-03-20 17:48:51

End at: 2018-03-20 17:49:21

Below is generated by plot.py at 2018-03-20 21:01:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 769.36 Mbit/s

95th percentile per-packet one-way delay: 143.008 ms

Loss rate: 9.84%

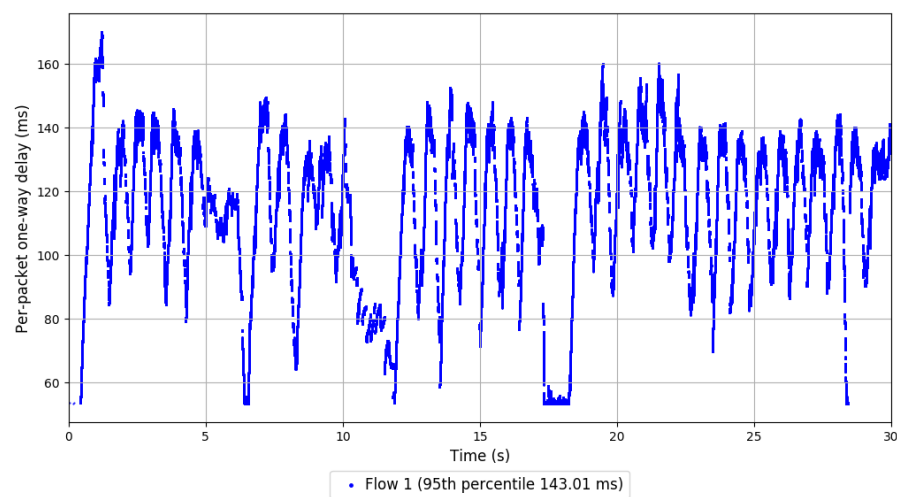
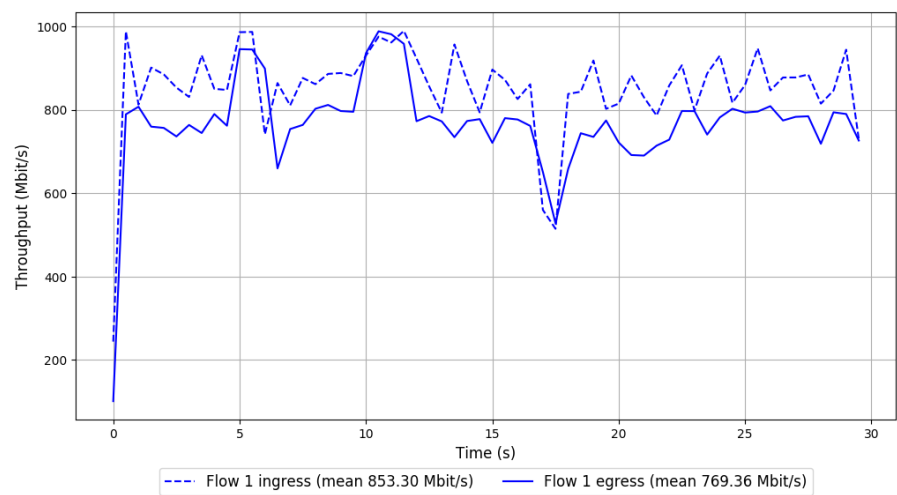
-- Flow 1:

Average throughput: 769.36 Mbit/s

95th percentile per-packet one-way delay: 143.008 ms

Loss rate: 9.84%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-03-20 18:03:11

End at: 2018-03-20 18:03:41

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 751.02 Mbit/s

95th percentile per-packet one-way delay: 142.836 ms

Loss rate: 11.81%

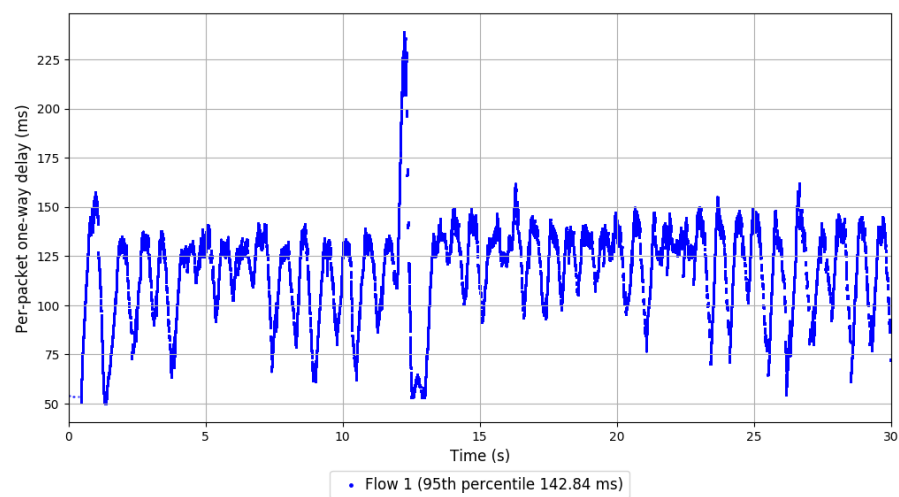
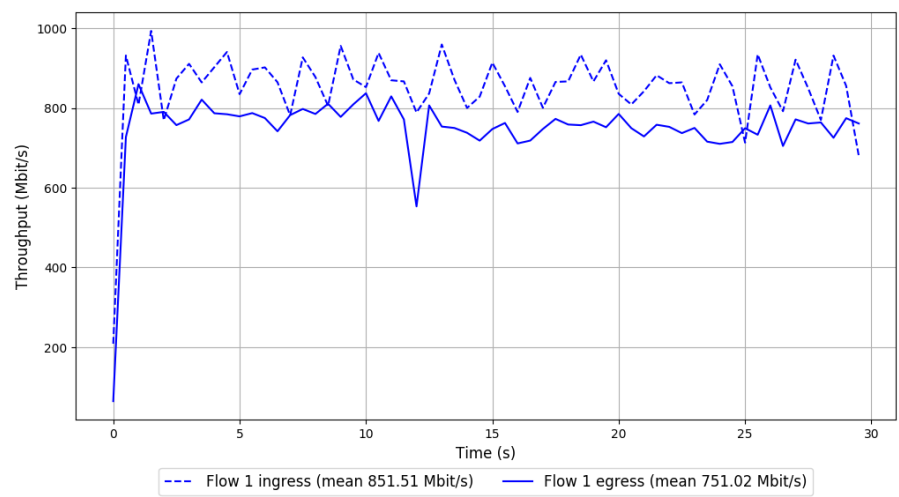
-- Flow 1:

Average throughput: 751.02 Mbit/s

95th percentile per-packet one-way delay: 142.836 ms

Loss rate: 11.81%

Run 10: Report of FillP — Data Link

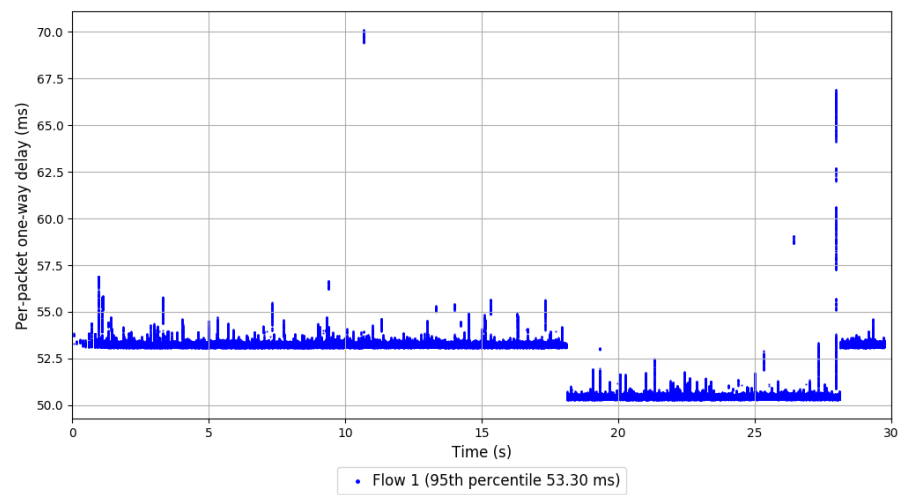
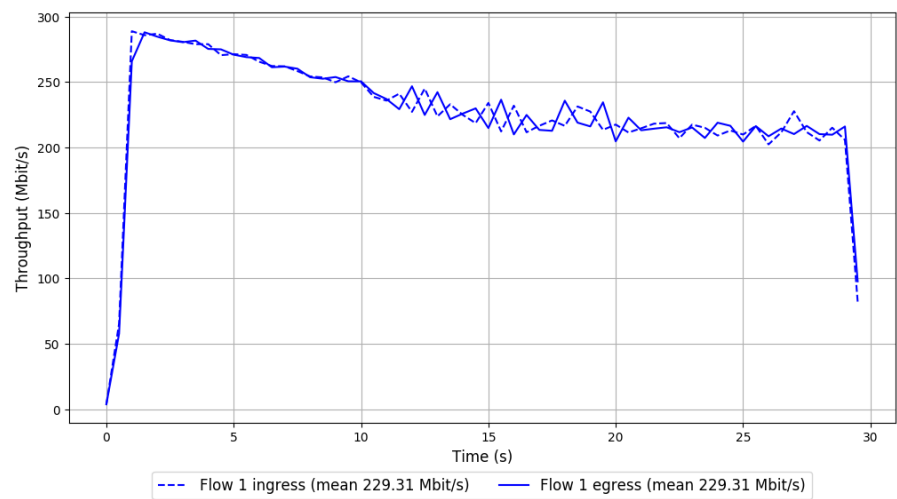


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-03-20 16:04:13
End at: 2018-03-20 16:04:43

# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.31 Mbit/s
95th percentile per-packet one-way delay: 53.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.31 Mbit/s
95th percentile per-packet one-way delay: 53.301 ms
Loss rate: 0.00%
```

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

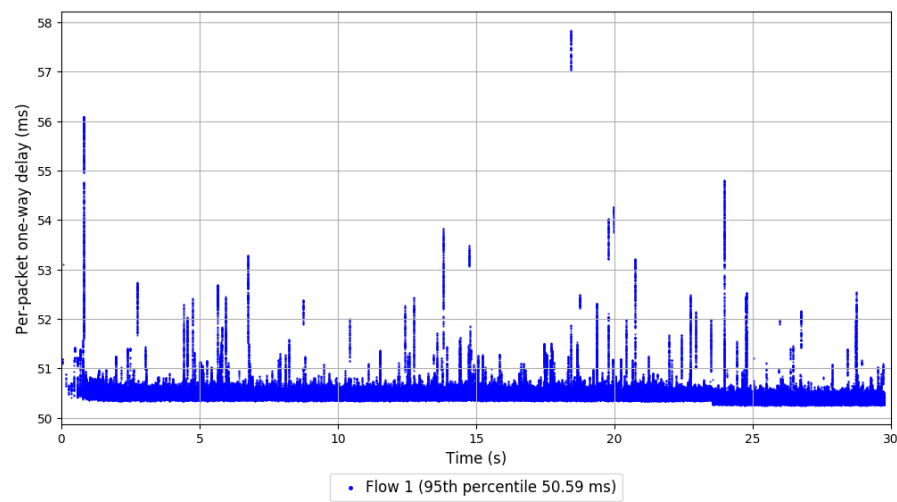
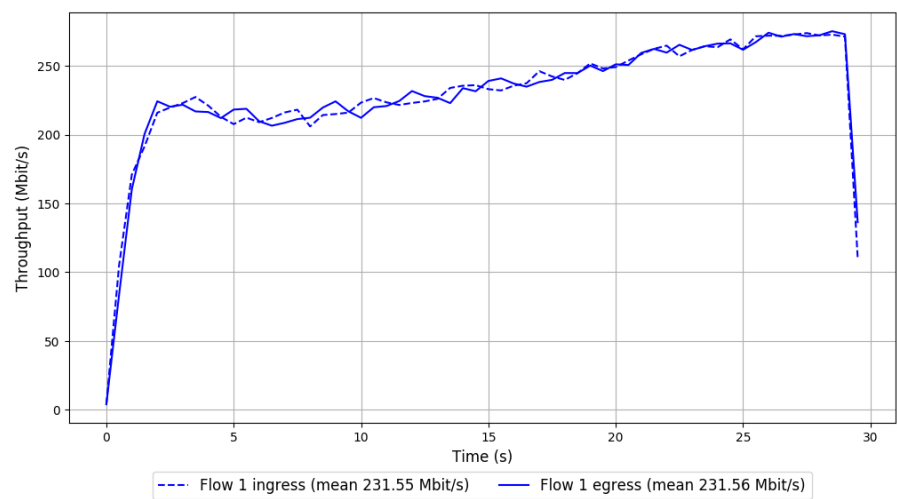


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-03-20 16:18:27
End at: 2018-03-20 16:18:57

# Below is generated by plot.py at 2018-03-20 21:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.56 Mbit/s
95th percentile per-packet one-way delay: 50.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.56 Mbit/s
95th percentile per-packet one-way delay: 50.591 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-20 16:32:49

End at: 2018-03-20 16:33:19

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.09 Mbit/s

95th percentile per-packet one-way delay: 53.460 ms

Loss rate: 0.00%

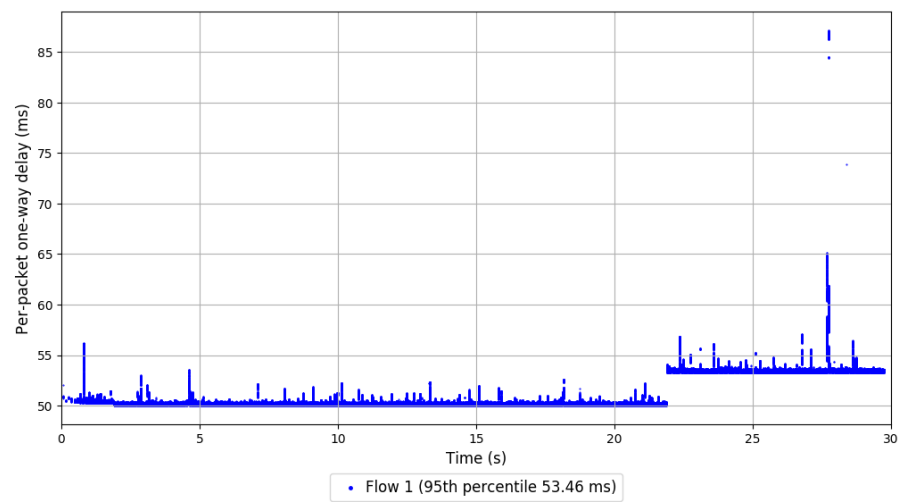
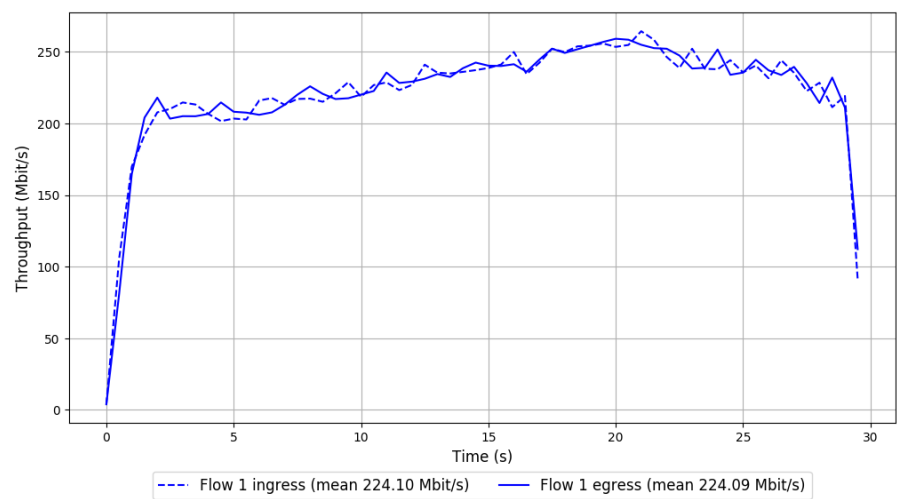
-- Flow 1:

Average throughput: 224.09 Mbit/s

95th percentile per-packet one-way delay: 53.460 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-20 16:47:24

End at: 2018-03-20 16:47:54

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.83 Mbit/s

95th percentile per-packet one-way delay: 50.418 ms

Loss rate: 0.00%

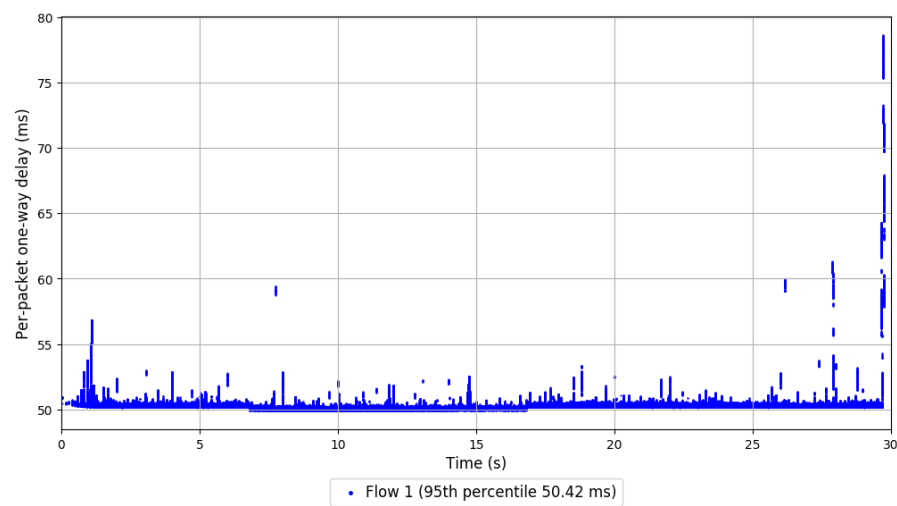
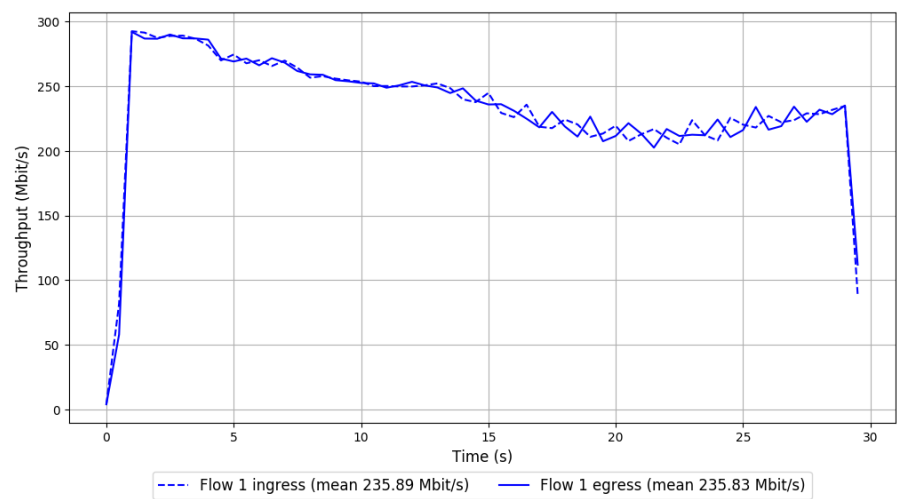
-- Flow 1:

Average throughput: 235.83 Mbit/s

95th percentile per-packet one-way delay: 50.418 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-20 17:01:40

End at: 2018-03-20 17:02:10

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.60 Mbit/s

95th percentile per-packet one-way delay: 53.210 ms

Loss rate: 0.00%

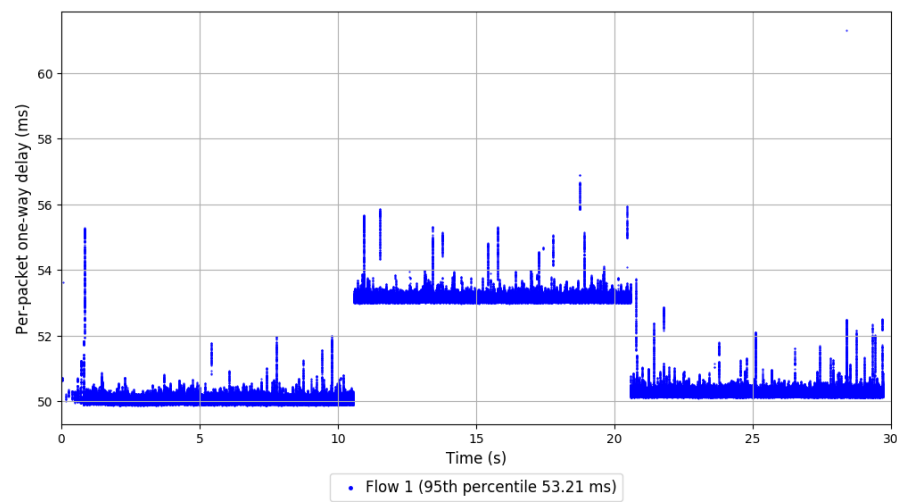
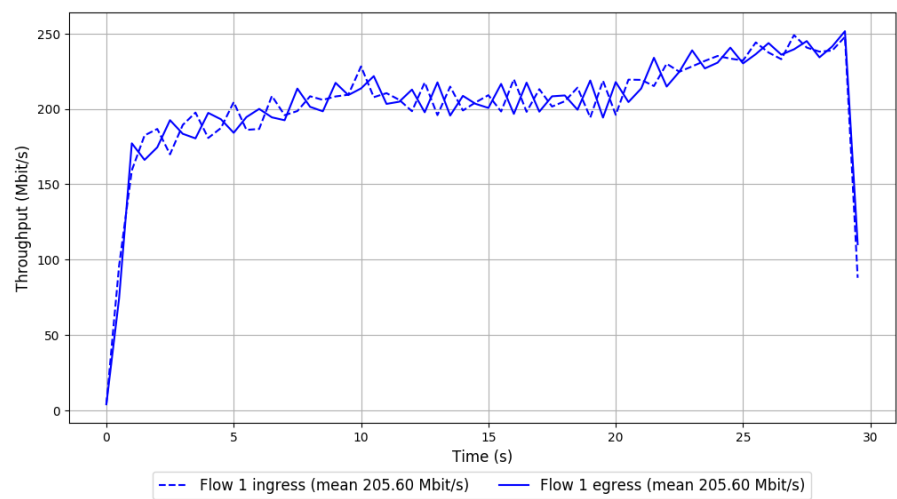
-- Flow 1:

Average throughput: 205.60 Mbit/s

95th percentile per-packet one-way delay: 53.210 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-20 17:15:57

End at: 2018-03-20 17:16:27

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.09 Mbit/s

95th percentile per-packet one-way delay: 53.425 ms

Loss rate: 0.00%

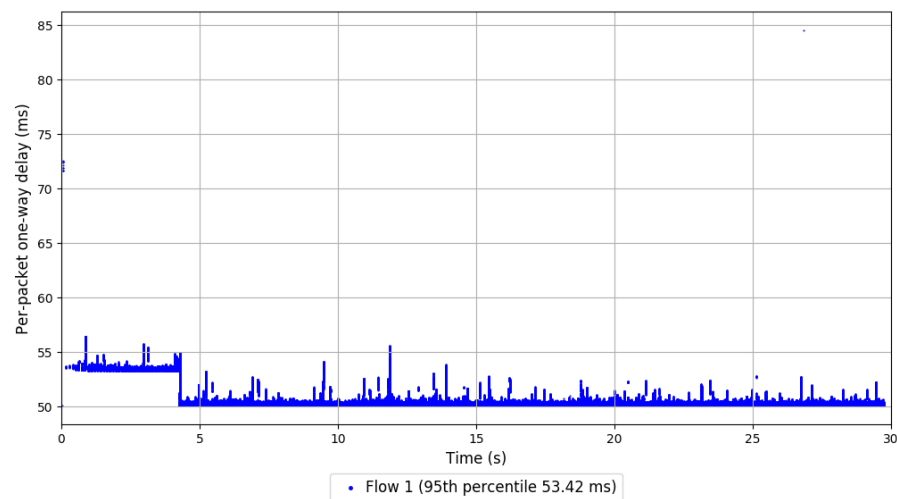
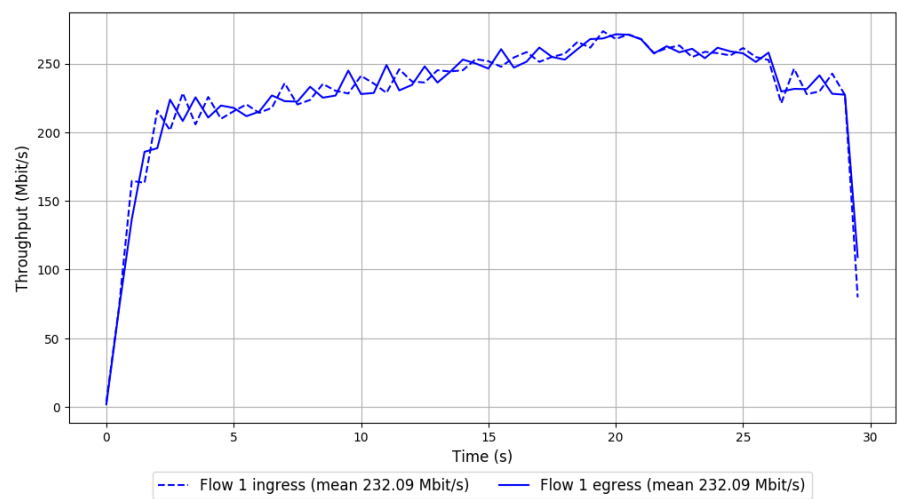
-- Flow 1:

Average throughput: 232.09 Mbit/s

95th percentile per-packet one-way delay: 53.425 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-03-20 17:30:09

End at: 2018-03-20 17:30:39

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.56 Mbit/s

95th percentile per-packet one-way delay: 50.477 ms

Loss rate: 0.00%

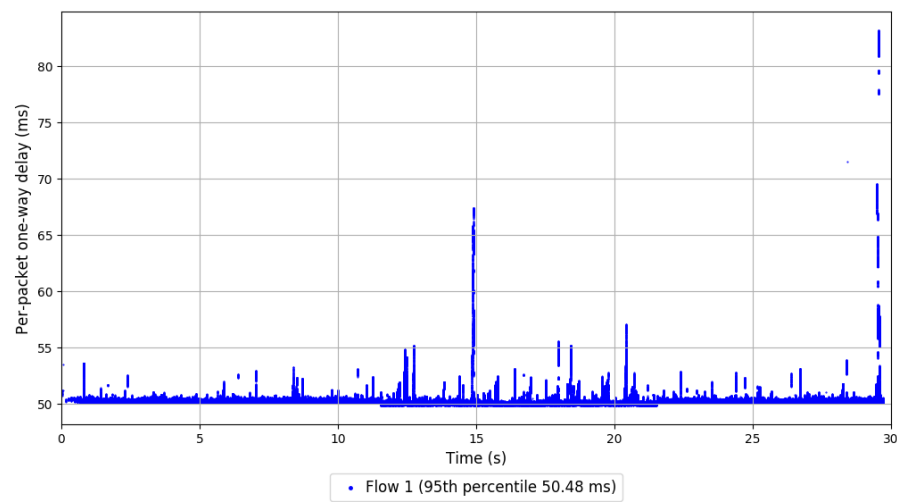
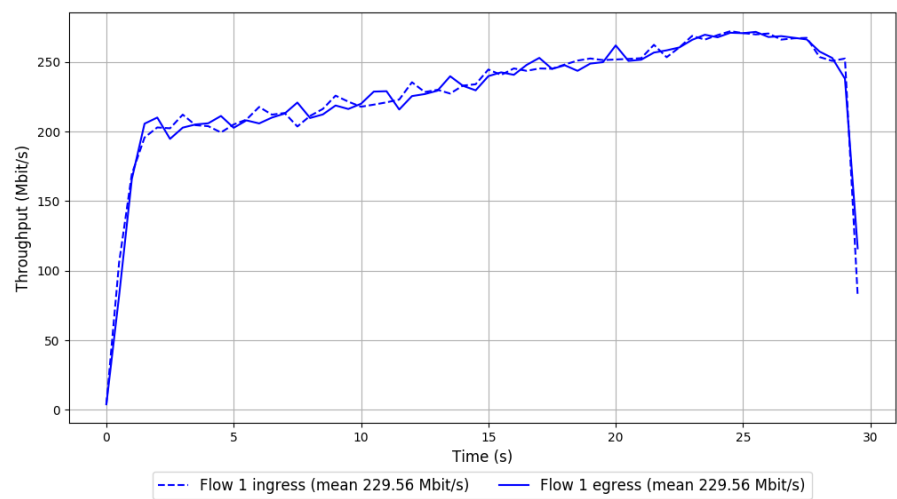
-- Flow 1:

Average throughput: 229.56 Mbit/s

95th percentile per-packet one-way delay: 50.477 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-20 17:44:43

End at: 2018-03-20 17:45:13

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.20 Mbit/s

95th percentile per-packet one-way delay: 50.460 ms

Loss rate: 0.00%

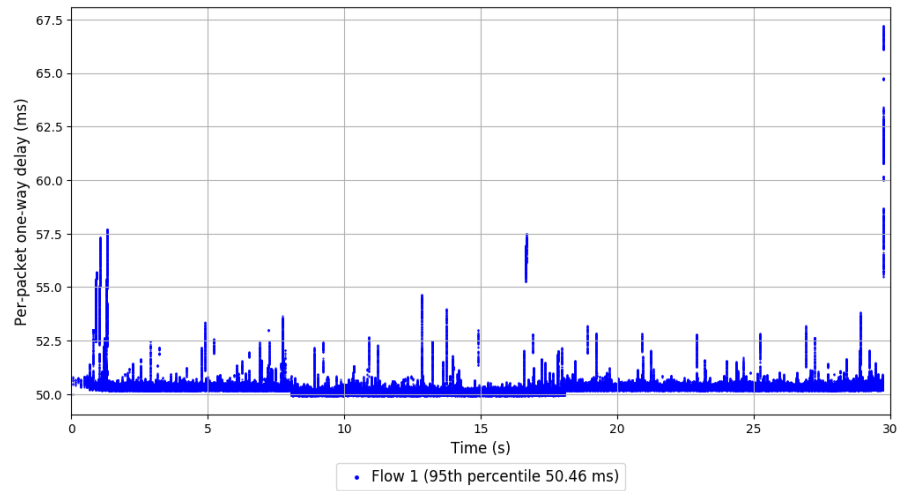
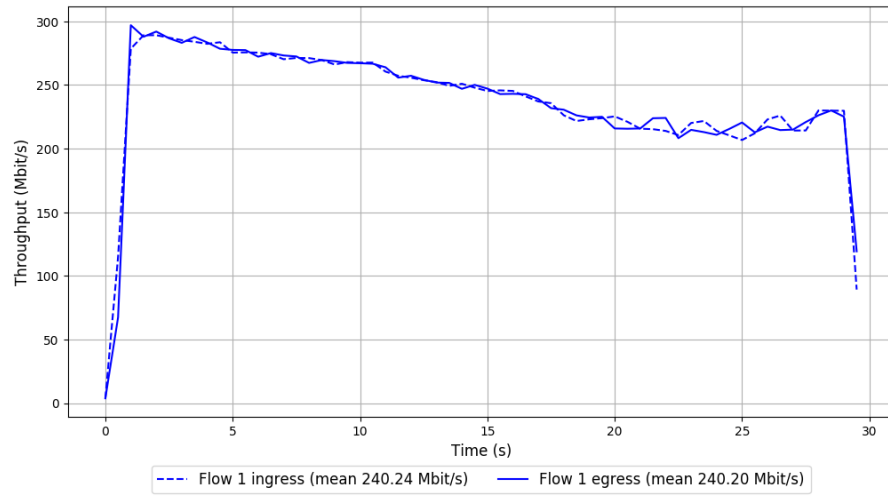
-- Flow 1:

Average throughput: 240.20 Mbit/s

95th percentile per-packet one-way delay: 50.460 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-20 17:59:06

End at: 2018-03-20 17:59:36

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.25 Mbit/s

95th percentile per-packet one-way delay: 53.538 ms

Loss rate: 0.00%

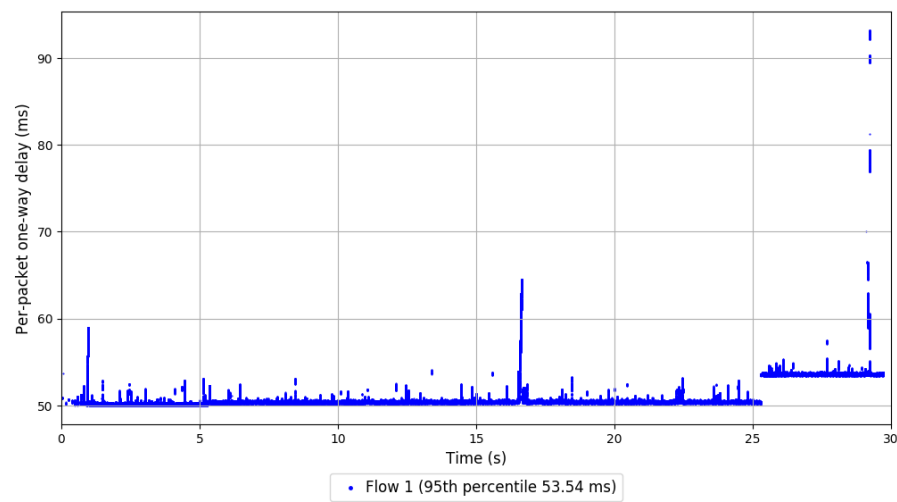
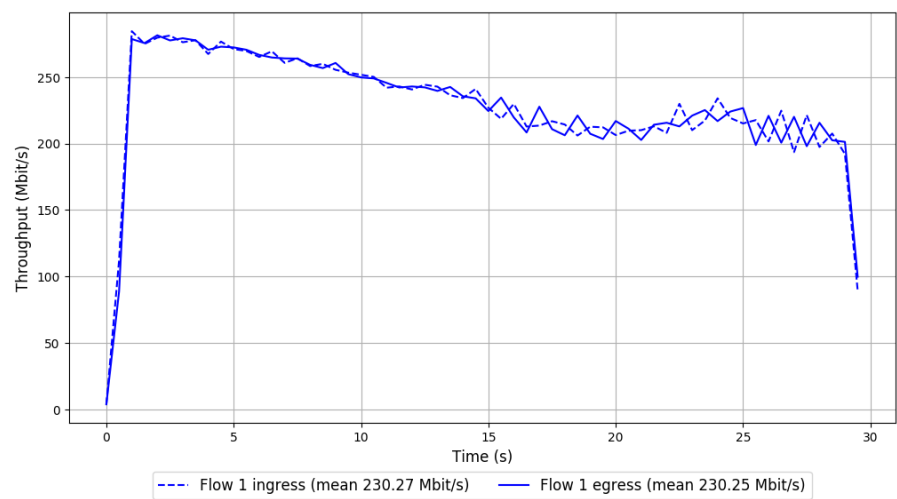
-- Flow 1:

Average throughput: 230.25 Mbit/s

95th percentile per-packet one-way delay: 53.538 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-20 18:13:30

End at: 2018-03-20 18:14:00

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.19 Mbit/s

95th percentile per-packet one-way delay: 53.445 ms

Loss rate: 0.00%

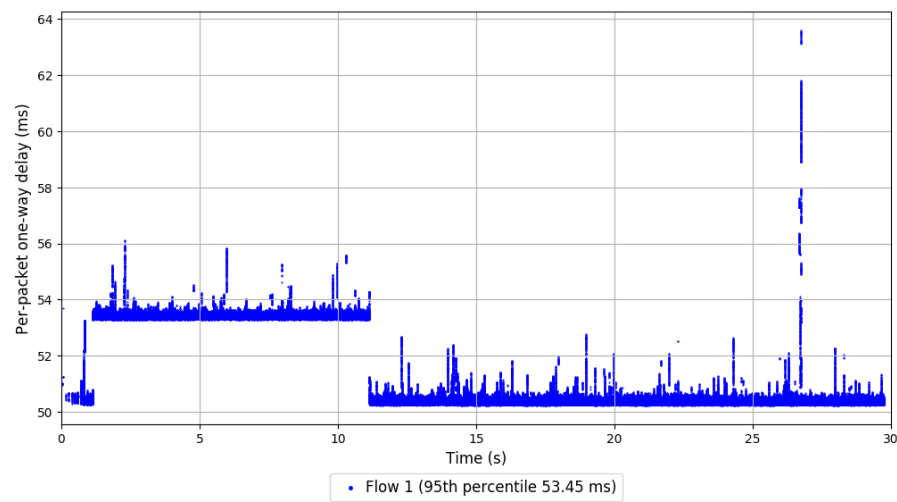
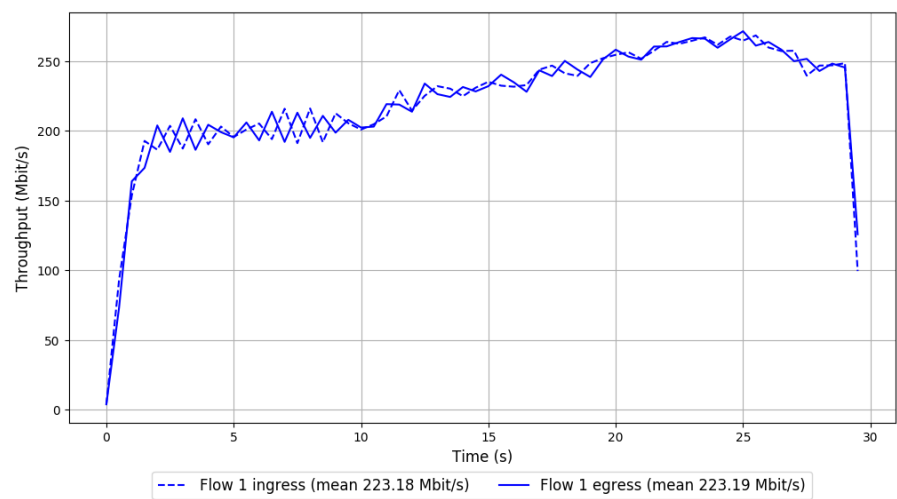
-- Flow 1:

Average throughput: 223.19 Mbit/s

95th percentile per-packet one-way delay: 53.445 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-03-20 16:02:24

End at: 2018-03-20 16:02:54

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.01 Mbit/s

95th percentile per-packet one-way delay: 53.185 ms

Loss rate: 0.09%

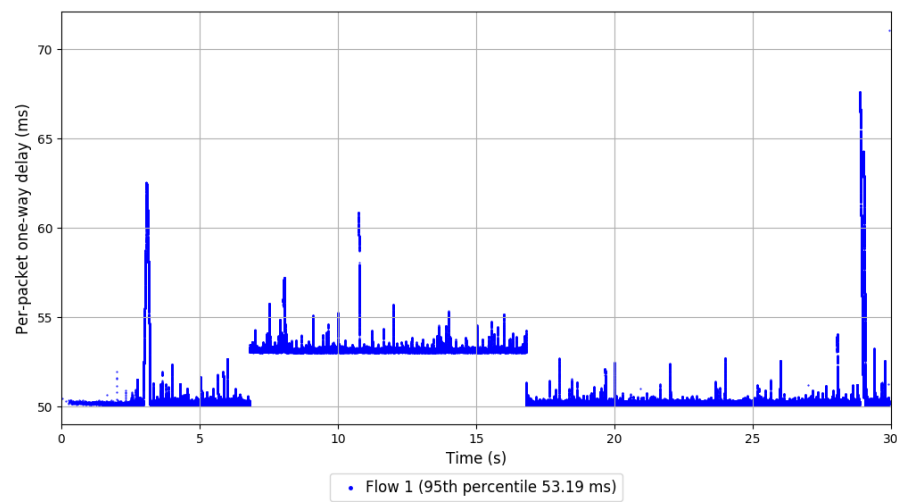
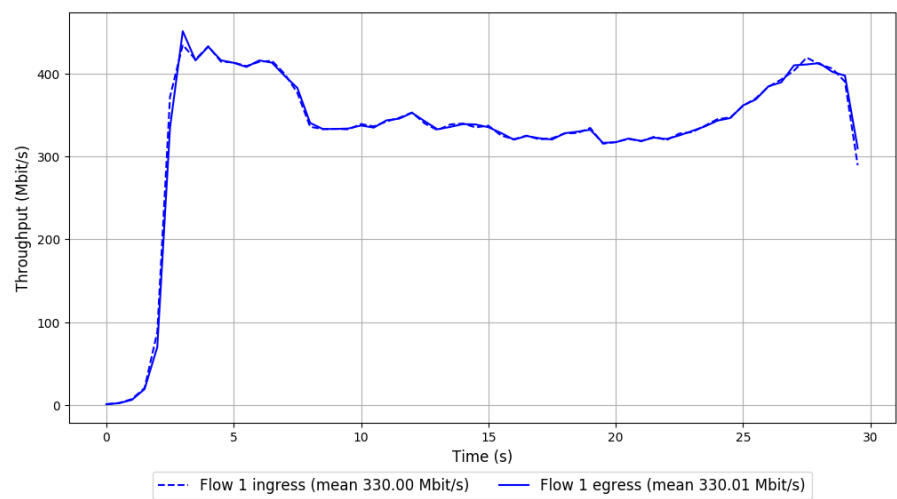
-- Flow 1:

Average throughput: 330.01 Mbit/s

95th percentile per-packet one-way delay: 53.185 ms

Loss rate: 0.09%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-03-20 16:16:38

End at: 2018-03-20 16:17:08

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.47 Mbit/s

95th percentile per-packet one-way delay: 53.072 ms

Loss rate: 0.00%

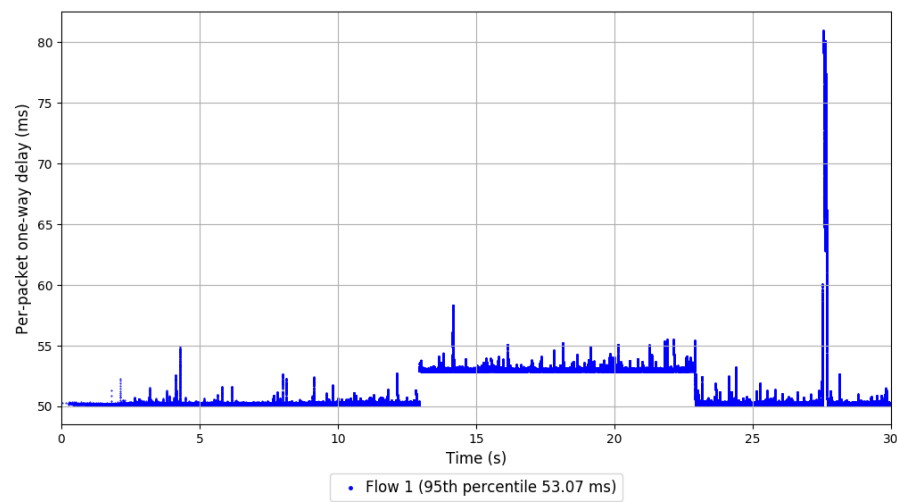
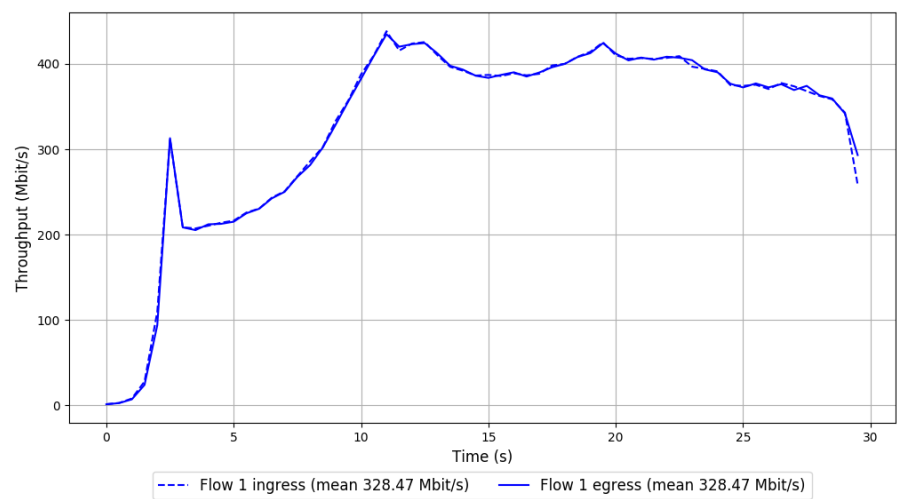
-- Flow 1:

Average throughput: 328.47 Mbit/s

95th percentile per-packet one-way delay: 53.072 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-20 16:31:02

End at: 2018-03-20 16:31:32

Below is generated by plot.py at 2018-03-20 21:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.80 Mbit/s

95th percentile per-packet one-way delay: 53.836 ms

Loss rate: 0.00%

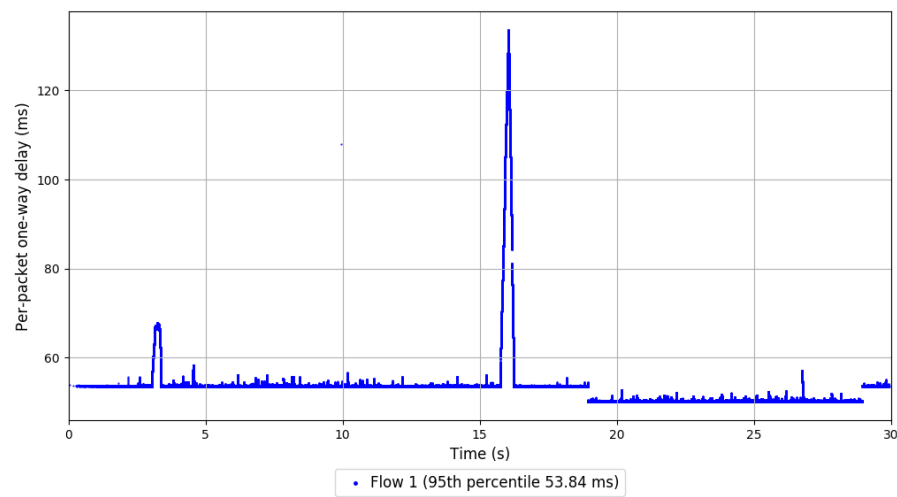
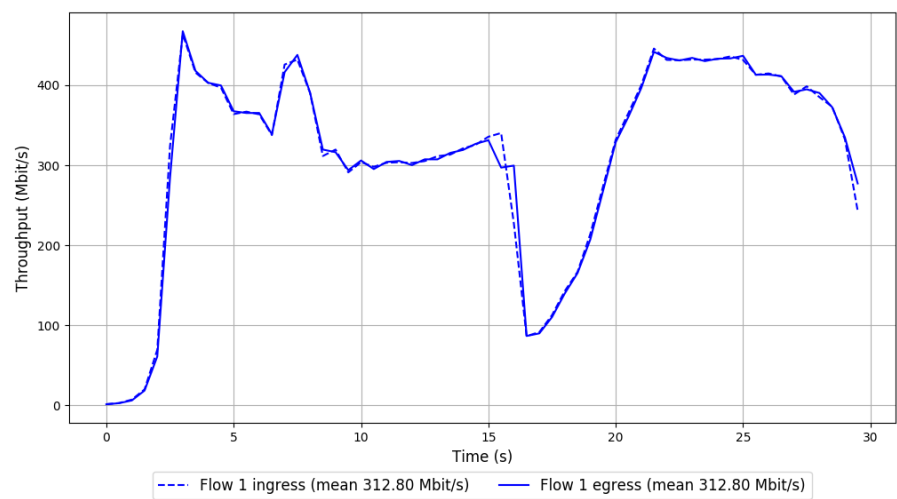
-- Flow 1:

Average throughput: 312.80 Mbit/s

95th percentile per-packet one-way delay: 53.836 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-20 16:45:34

End at: 2018-03-20 16:46:04

Below is generated by plot.py at 2018-03-20 21:01:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.01 Mbit/s

95th percentile per-packet one-way delay: 53.633 ms

Loss rate: 0.00%

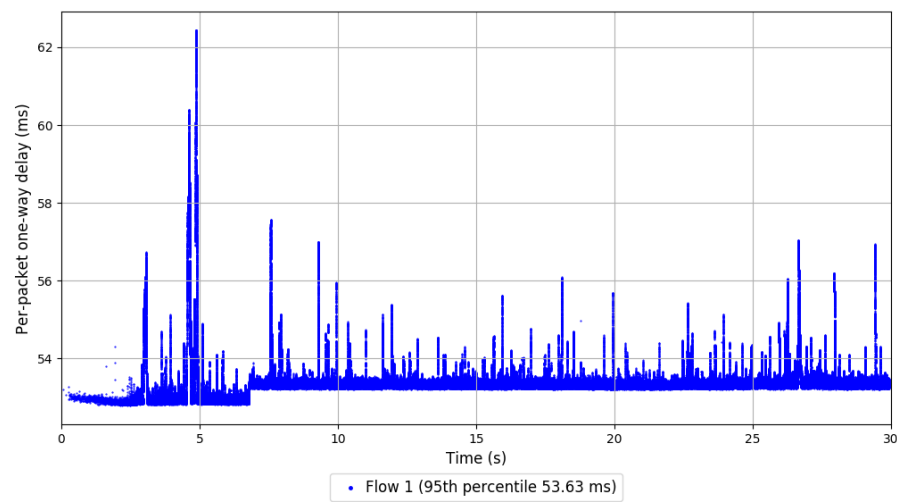
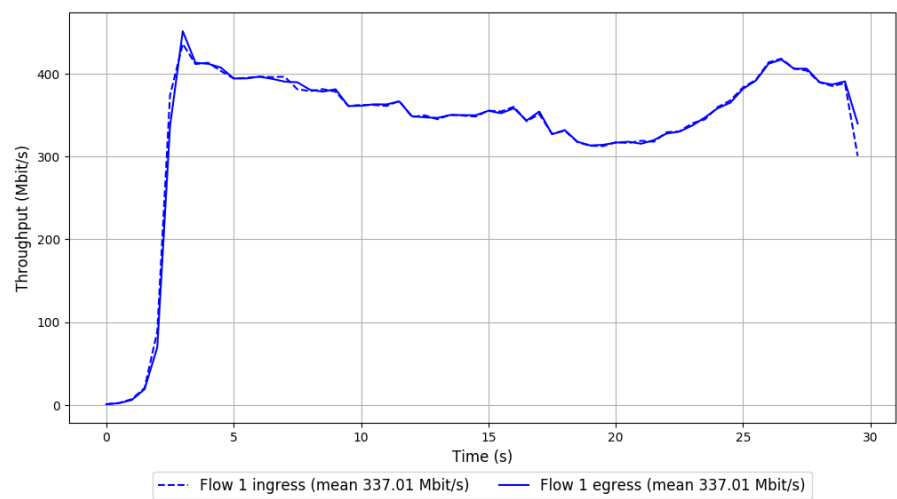
-- Flow 1:

Average throughput: 337.01 Mbit/s

95th percentile per-packet one-way delay: 53.633 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-03-20 16:59:49

End at: 2018-03-20 17:00:19

Below is generated by plot.py at 2018-03-20 21:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.01 Mbit/s

95th percentile per-packet one-way delay: 53.185 ms

Loss rate: 0.00%

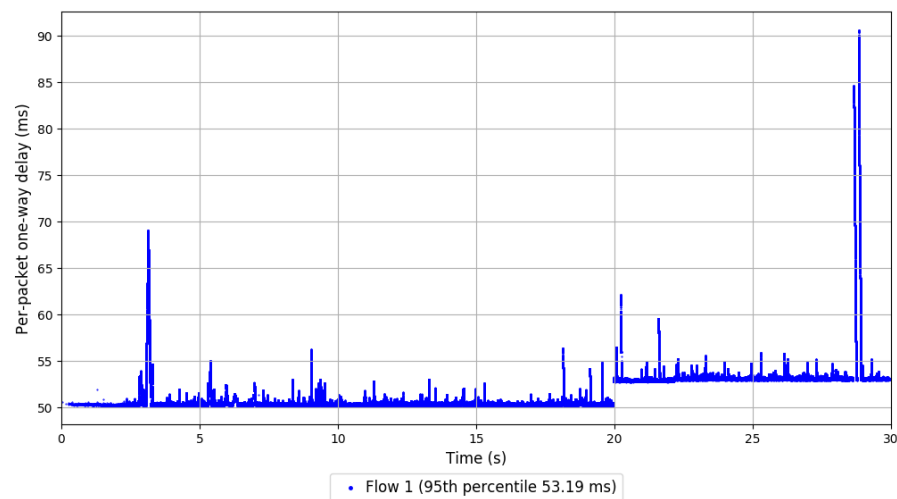
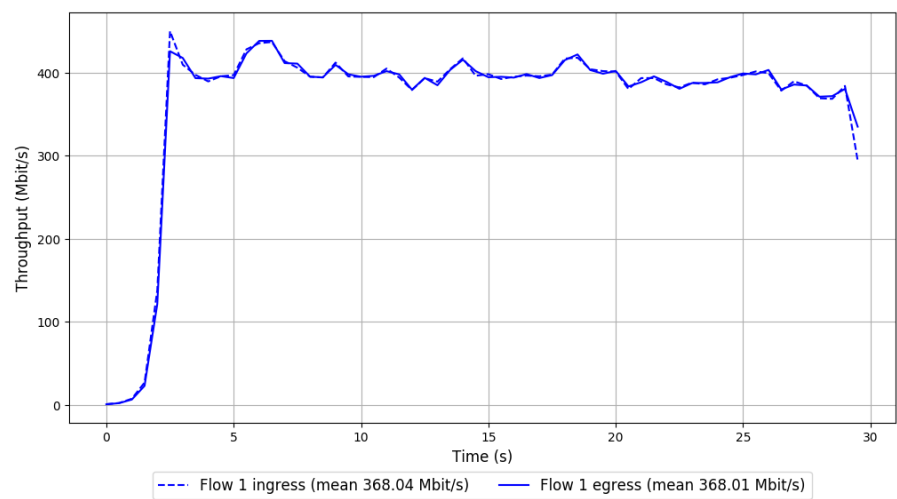
-- Flow 1:

Average throughput: 368.01 Mbit/s

95th percentile per-packet one-way delay: 53.185 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-20 17:14:06

End at: 2018-03-20 17:14:36

Below is generated by plot.py at 2018-03-20 21:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.75 Mbit/s

95th percentile per-packet one-way delay: 53.342 ms

Loss rate: 0.00%

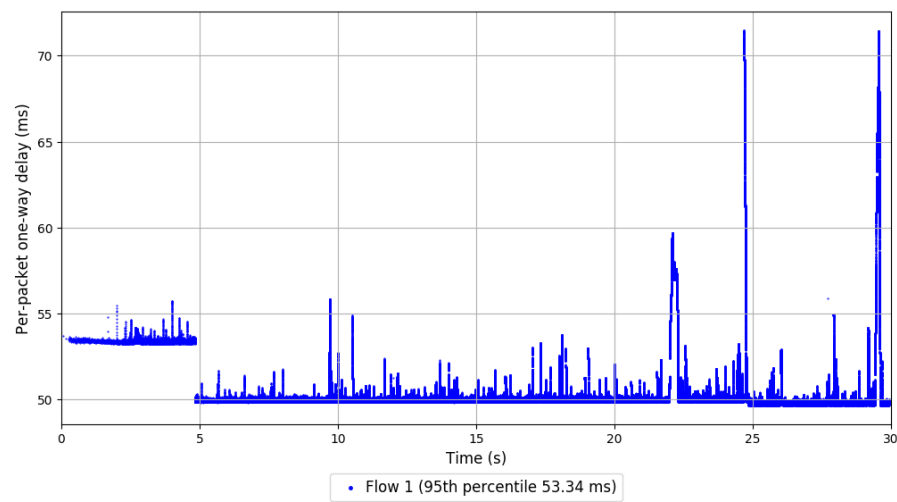
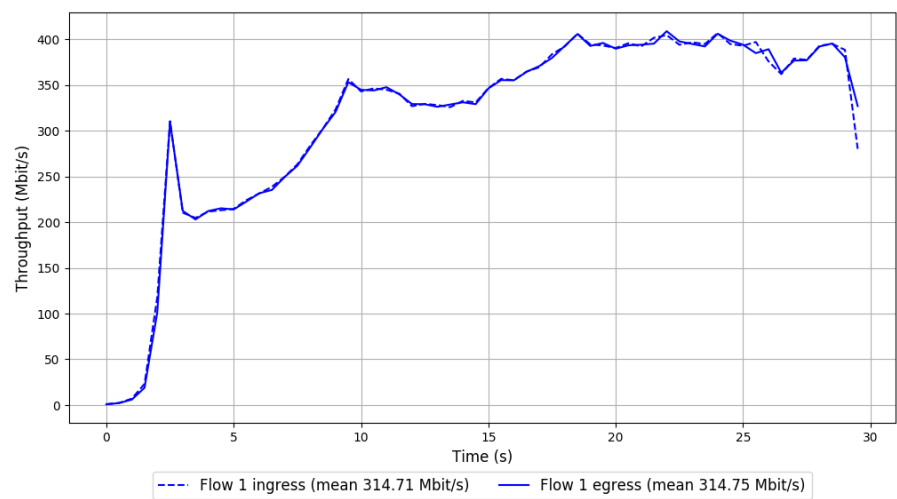
-- Flow 1:

Average throughput: 314.75 Mbit/s

95th percentile per-packet one-way delay: 53.342 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-20 17:28:21

End at: 2018-03-20 17:28:51

Below is generated by plot.py at 2018-03-20 21:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.91 Mbit/s

95th percentile per-packet one-way delay: 53.620 ms

Loss rate: 0.00%

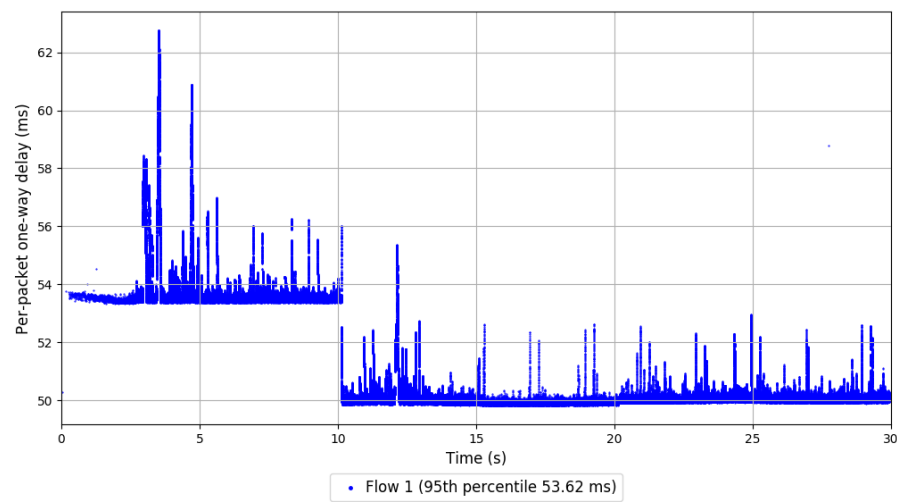
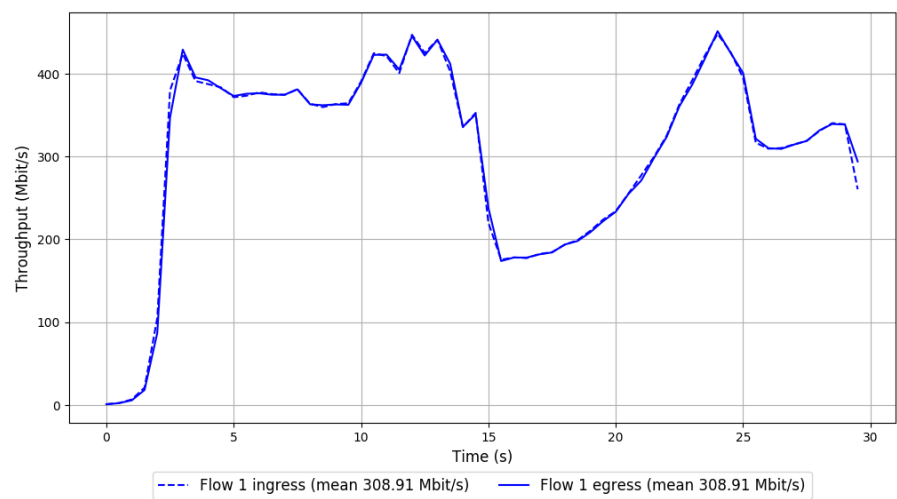
-- Flow 1:

Average throughput: 308.91 Mbit/s

95th percentile per-packet one-way delay: 53.620 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-20 17:42:52

End at: 2018-03-20 17:43:23

Below is generated by plot.py at 2018-03-20 21:06:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.83 Mbit/s

95th percentile per-packet one-way delay: 56.161 ms

Loss rate: 0.02%

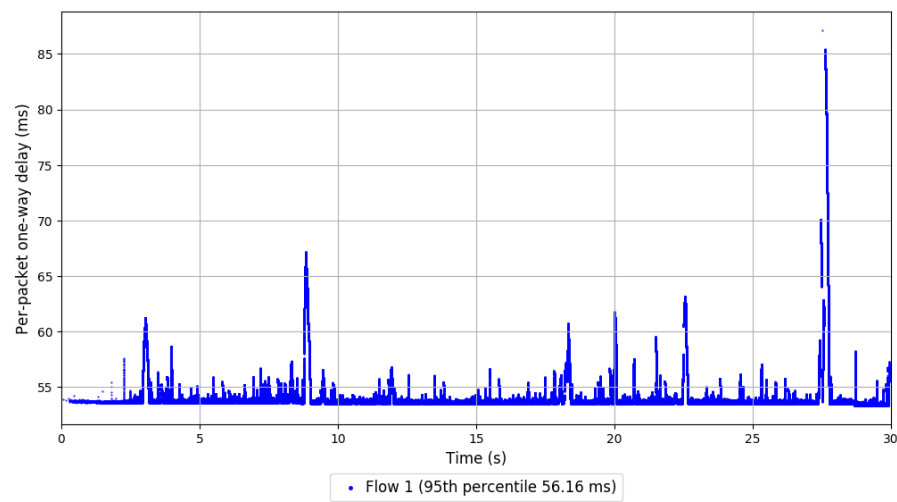
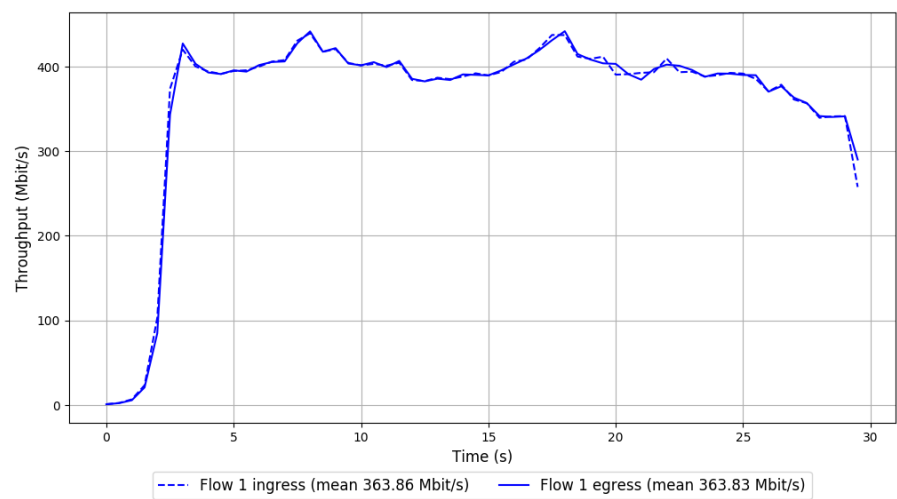
-- Flow 1:

Average throughput: 363.83 Mbit/s

95th percentile per-packet one-way delay: 56.161 ms

Loss rate: 0.02%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-03-20 17:57:17

End at: 2018-03-20 17:57:47

Below is generated by plot.py at 2018-03-20 21:06:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.72 Mbit/s

95th percentile per-packet one-way delay: 53.807 ms

Loss rate: 0.00%

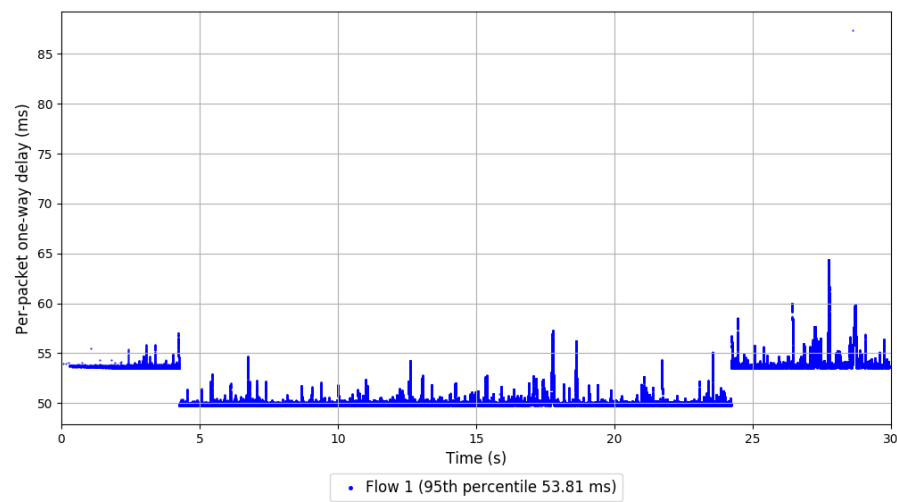
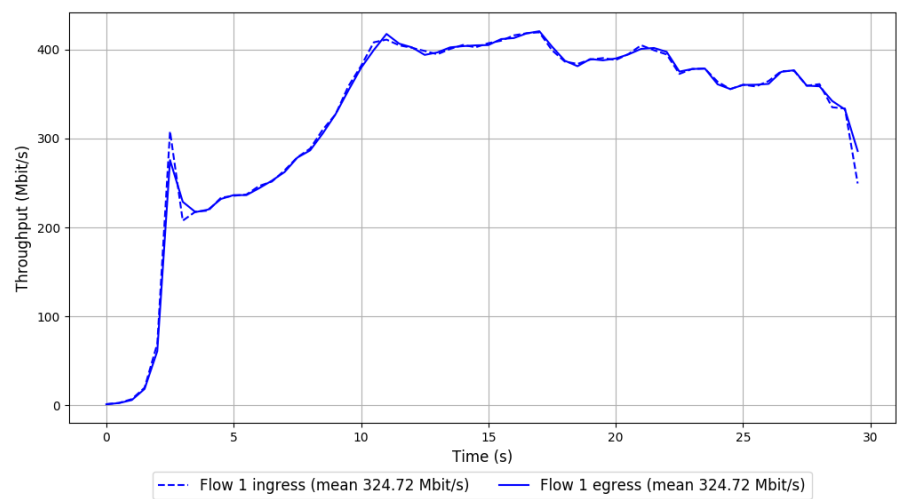
-- Flow 1:

Average throughput: 324.72 Mbit/s

95th percentile per-packet one-way delay: 53.807 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-03-20 18:11:42

End at: 2018-03-20 18:12:12

Below is generated by plot.py at 2018-03-20 21:06:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.92 Mbit/s

95th percentile per-packet one-way delay: 53.605 ms

Loss rate: 0.00%

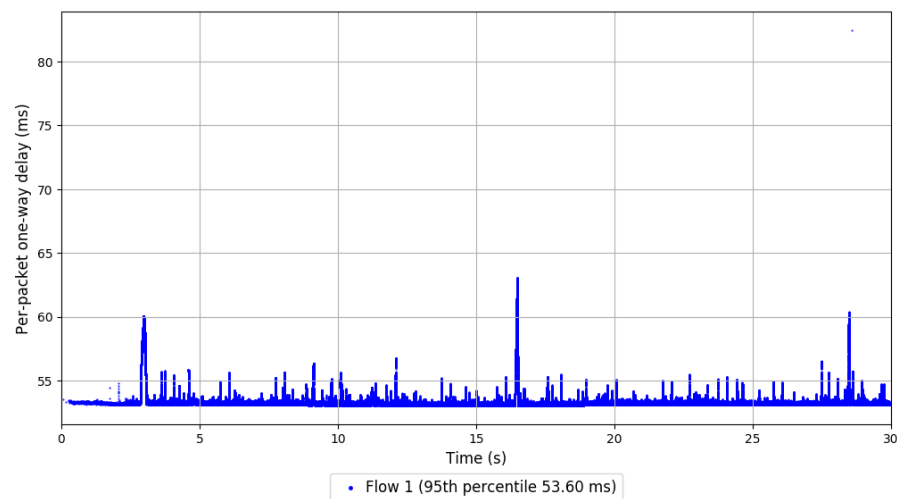
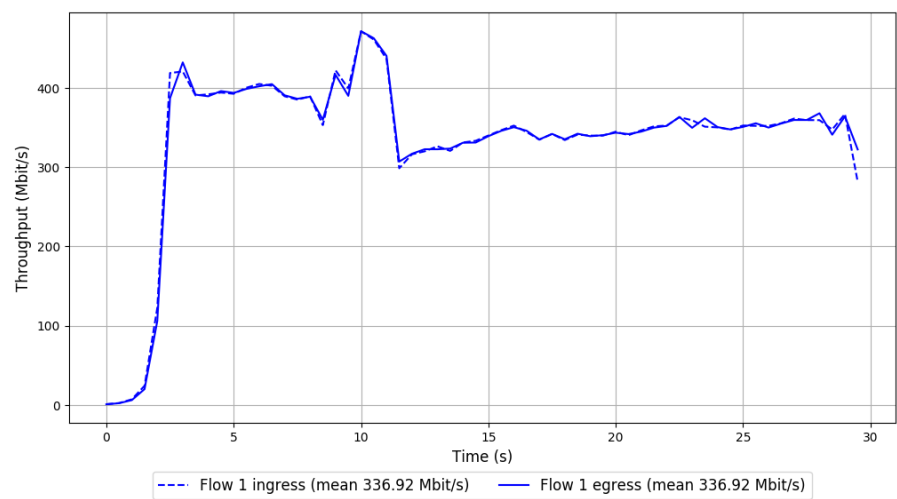
-- Flow 1:

Average throughput: 336.92 Mbit/s

95th percentile per-packet one-way delay: 53.605 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

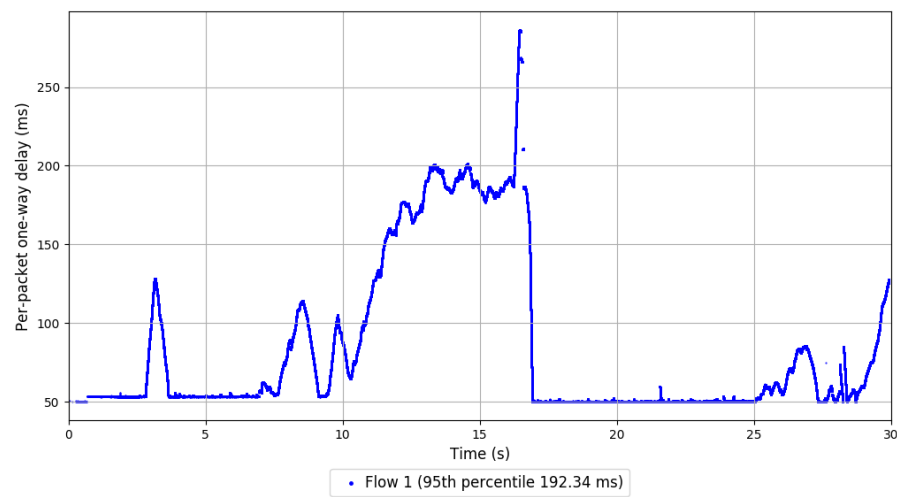
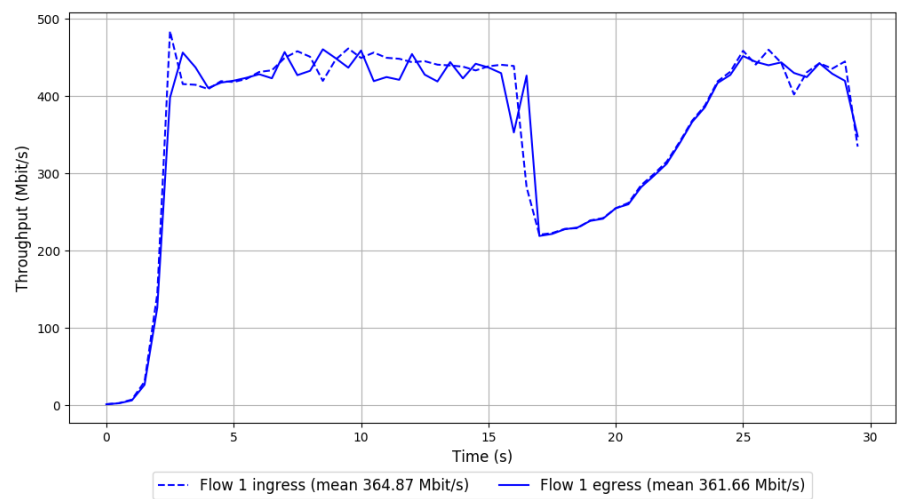


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-20 15:55:00
End at: 2018-03-20 15:55:30

# Below is generated by plot.py at 2018-03-20 21:07:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 361.66 Mbit/s
95th percentile per-packet one-way delay: 192.339 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 361.66 Mbit/s
95th percentile per-packet one-way delay: 192.339 ms
Loss rate: 0.87%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-03-20 16:09:27

End at: 2018-03-20 16:09:57

Below is generated by plot.py at 2018-03-20 21:08:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.46 Mbit/s

95th percentile per-packet one-way delay: 55.183 ms

Loss rate: 0.00%

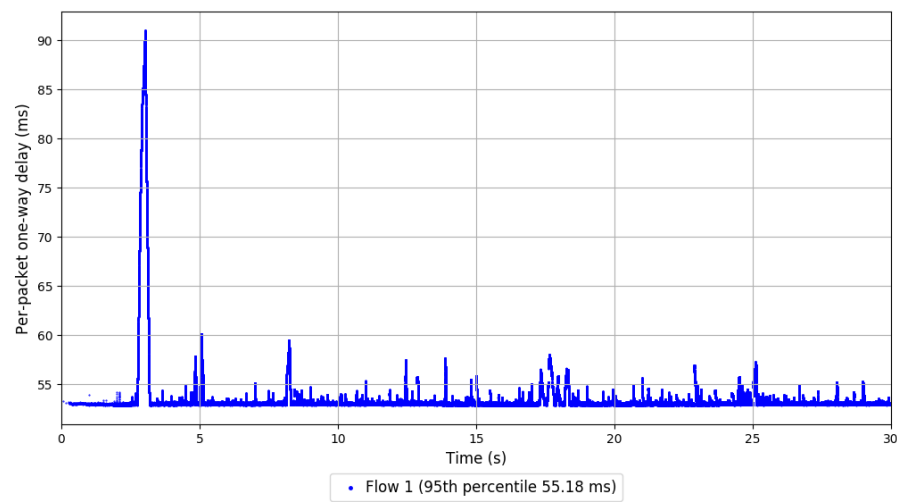
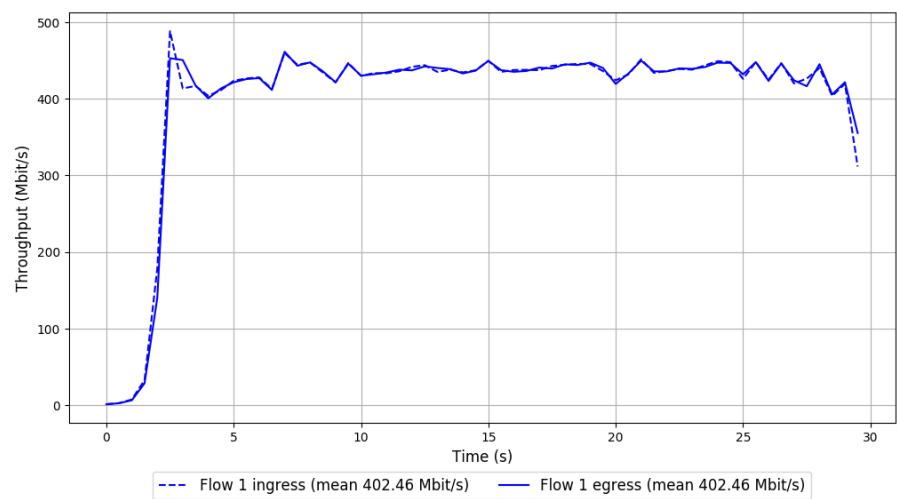
-- Flow 1:

Average throughput: 402.46 Mbit/s

95th percentile per-packet one-way delay: 55.183 ms

Loss rate: 0.00%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-03-20 16:23:42

End at: 2018-03-20 16:24:12

Below is generated by plot.py at 2018-03-20 21:08:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.07 Mbit/s

95th percentile per-packet one-way delay: 51.117 ms

Loss rate: 0.14%

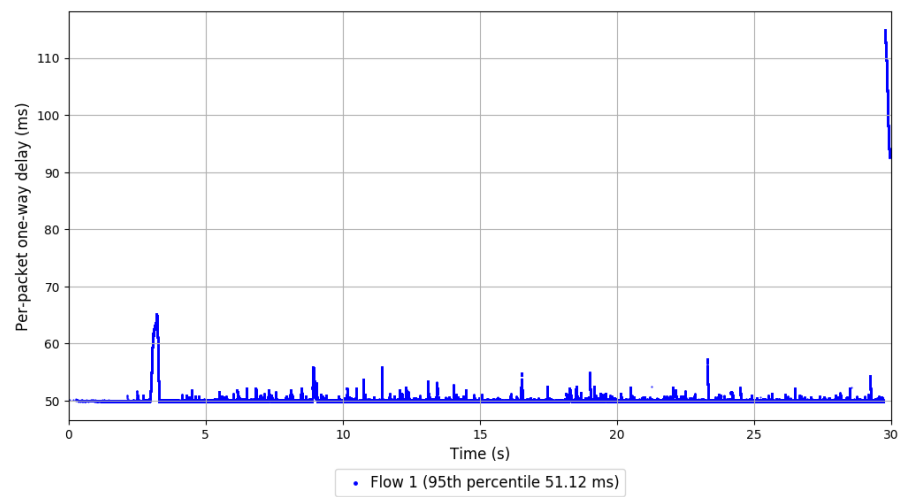
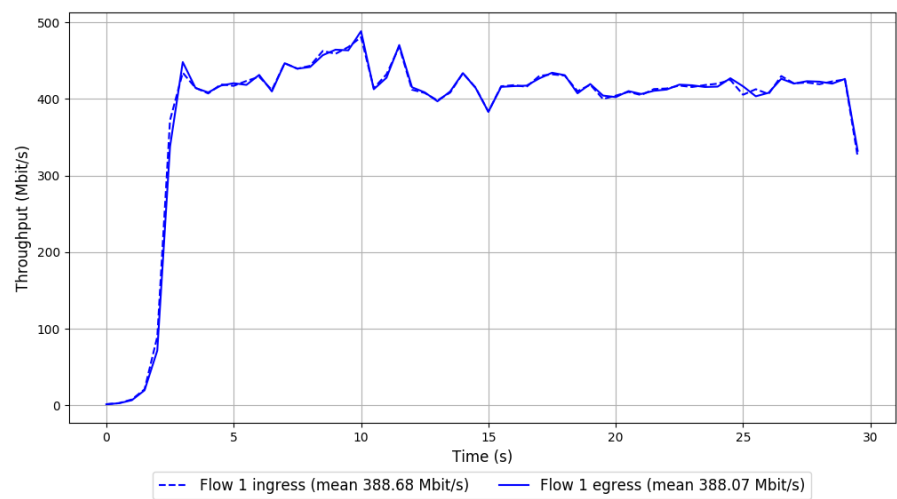
-- Flow 1:

Average throughput: 388.07 Mbit/s

95th percentile per-packet one-way delay: 51.117 ms

Loss rate: 0.14%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-03-20 16:38:00

End at: 2018-03-20 16:38:30

Below is generated by plot.py at 2018-03-20 21:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.87 Mbit/s

95th percentile per-packet one-way delay: 62.708 ms

Loss rate: 0.04%

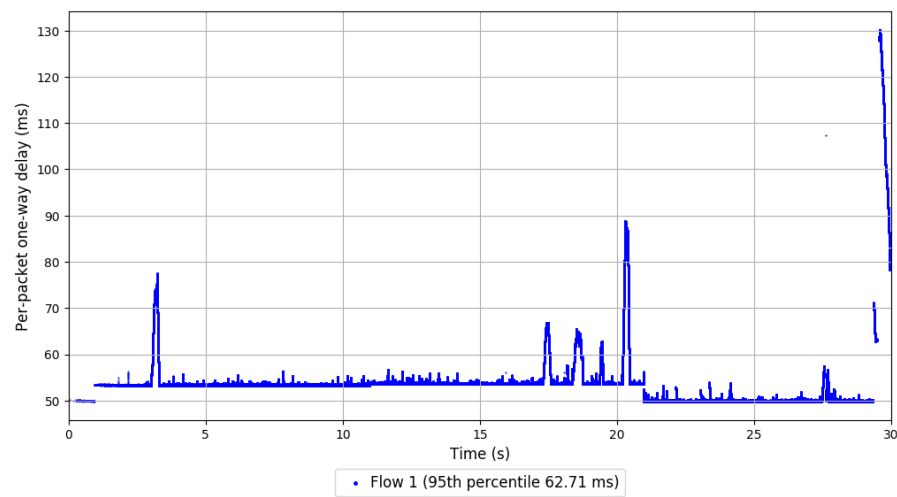
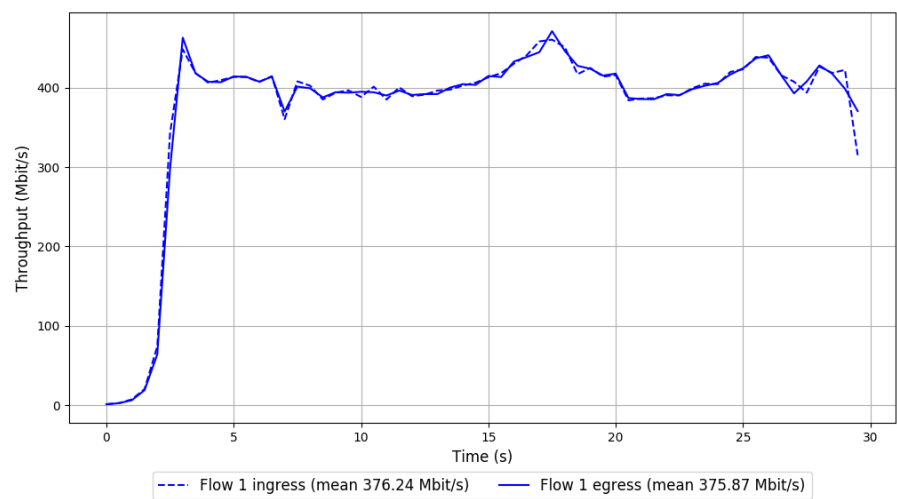
-- Flow 1:

Average throughput: 375.87 Mbit/s

95th percentile per-packet one-way delay: 62.708 ms

Loss rate: 0.04%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-20 16:52:38

End at: 2018-03-20 16:53:08

Below is generated by plot.py at 2018-03-20 21:11:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.18 Mbit/s

95th percentile per-packet one-way delay: 162.792 ms

Loss rate: 0.02%

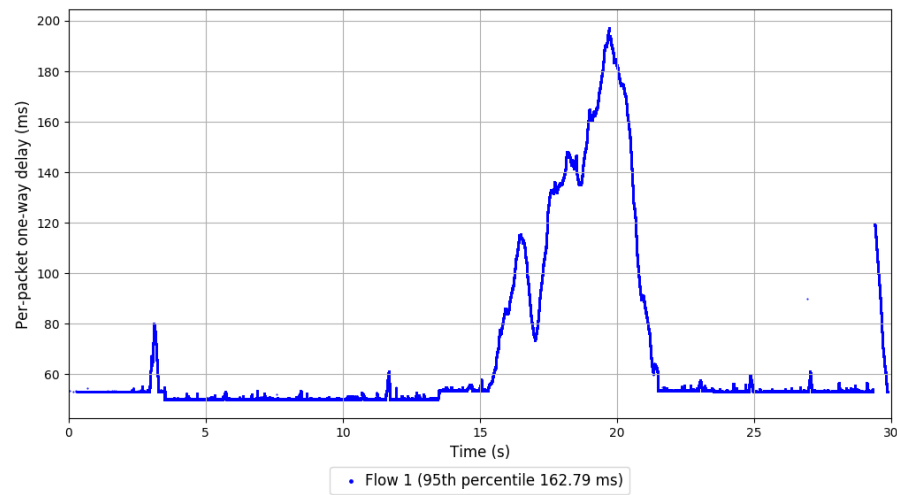
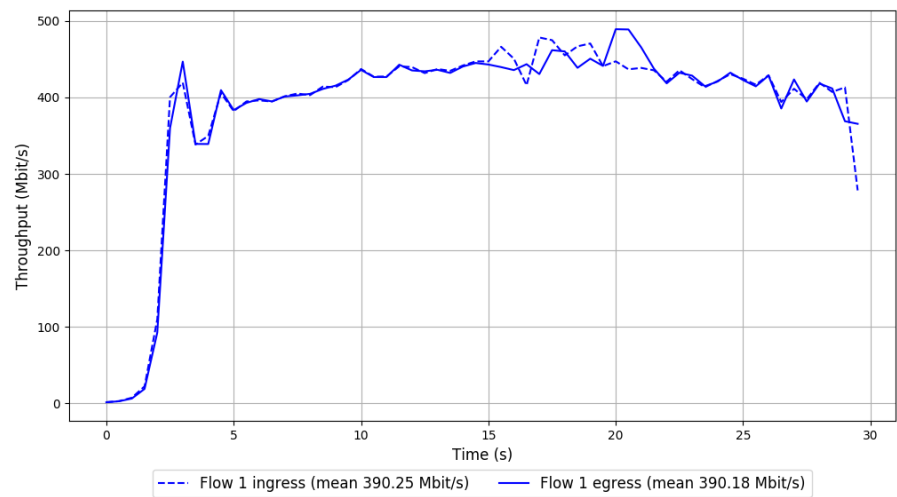
-- Flow 1:

Average throughput: 390.18 Mbit/s

95th percentile per-packet one-way delay: 162.792 ms

Loss rate: 0.02%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-20 17:06:49

End at: 2018-03-20 17:07:19

Below is generated by plot.py at 2018-03-20 21:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.19 Mbit/s

95th percentile per-packet one-way delay: 54.680 ms

Loss rate: 0.00%

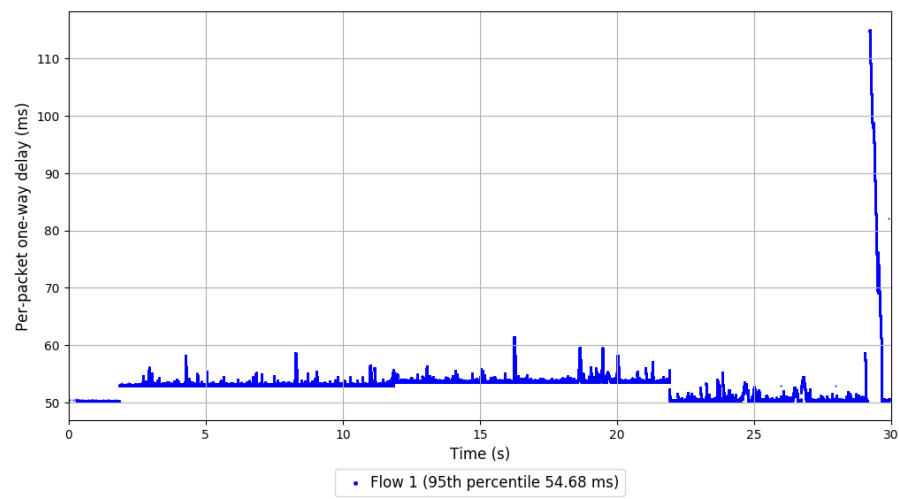
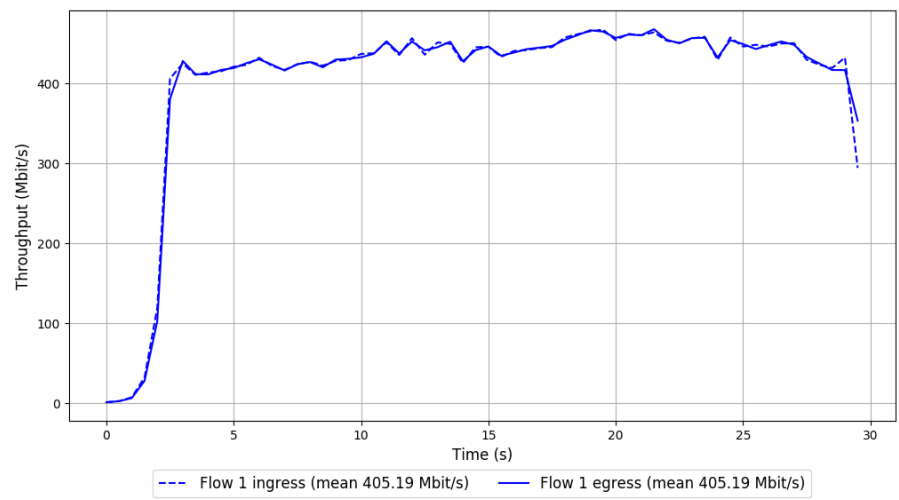
-- Flow 1:

Average throughput: 405.19 Mbit/s

95th percentile per-packet one-way delay: 54.680 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-03-20 17:21:05

End at: 2018-03-20 17:21:35

Below is generated by plot.py at 2018-03-20 21:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.17 Mbit/s

95th percentile per-packet one-way delay: 173.377 ms

Loss rate: 0.69%

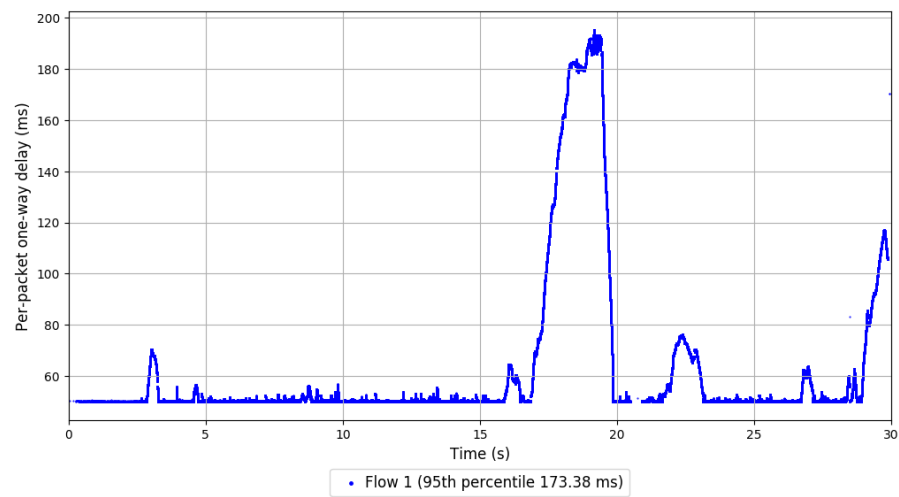
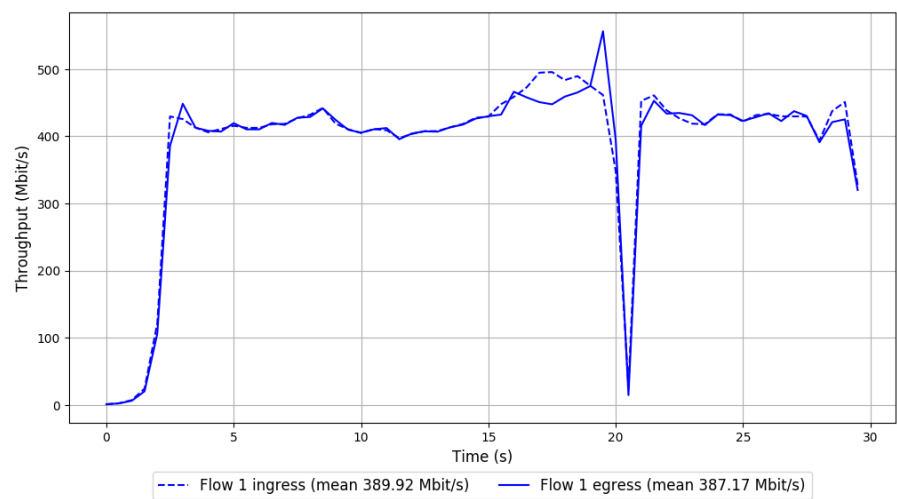
-- Flow 1:

Average throughput: 387.17 Mbit/s

95th percentile per-packet one-way delay: 173.377 ms

Loss rate: 0.69%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-20 17:35:21

End at: 2018-03-20 17:35:51

Below is generated by plot.py at 2018-03-20 21:13:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.40 Mbit/s

95th percentile per-packet one-way delay: 61.259 ms

Loss rate: 0.01%

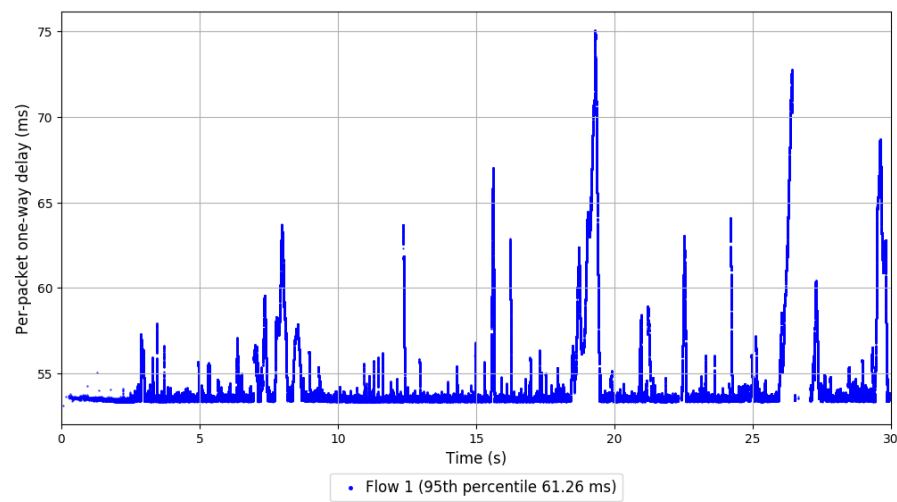
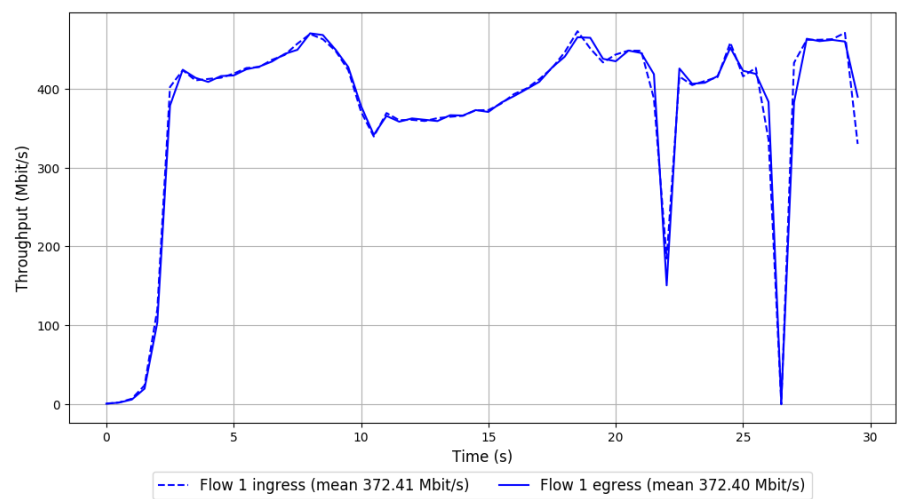
-- Flow 1:

Average throughput: 372.40 Mbit/s

95th percentile per-packet one-way delay: 61.259 ms

Loss rate: 0.01%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-03-20 17:49:55

End at: 2018-03-20 17:50:25

Below is generated by plot.py at 2018-03-20 21:14:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.32 Mbit/s

95th percentile per-packet one-way delay: 61.754 ms

Loss rate: 0.00%

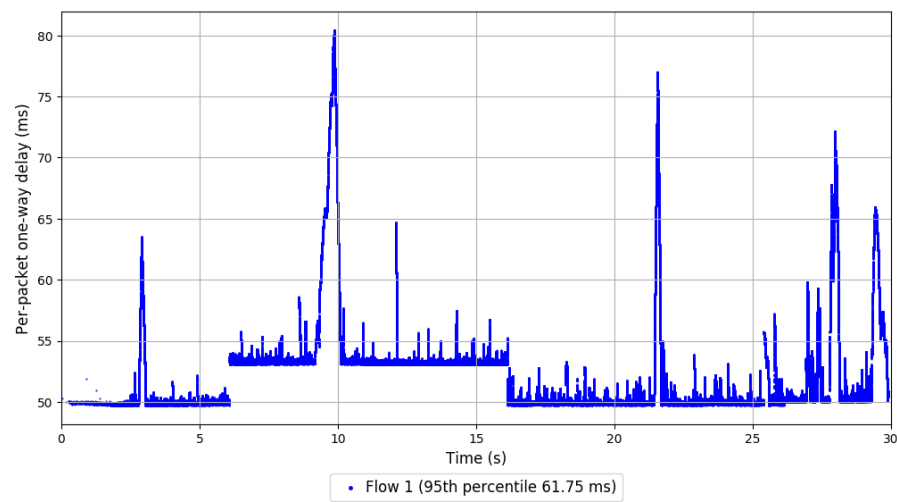
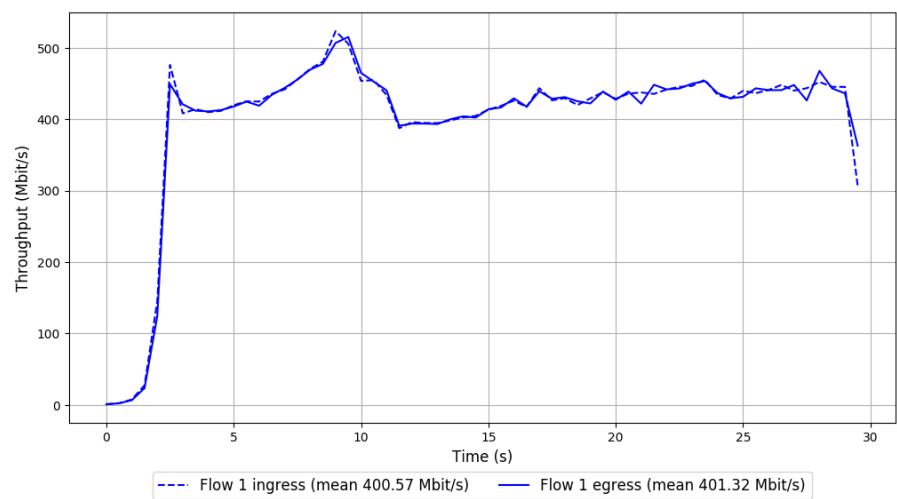
-- Flow 1:

Average throughput: 401.32 Mbit/s

95th percentile per-packet one-way delay: 61.754 ms

Loss rate: 0.00%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-20 18:04:15

End at: 2018-03-20 18:04:45

Below is generated by plot.py at 2018-03-20 21:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.80 Mbit/s

95th percentile per-packet one-way delay: 77.274 ms

Loss rate: 0.02%

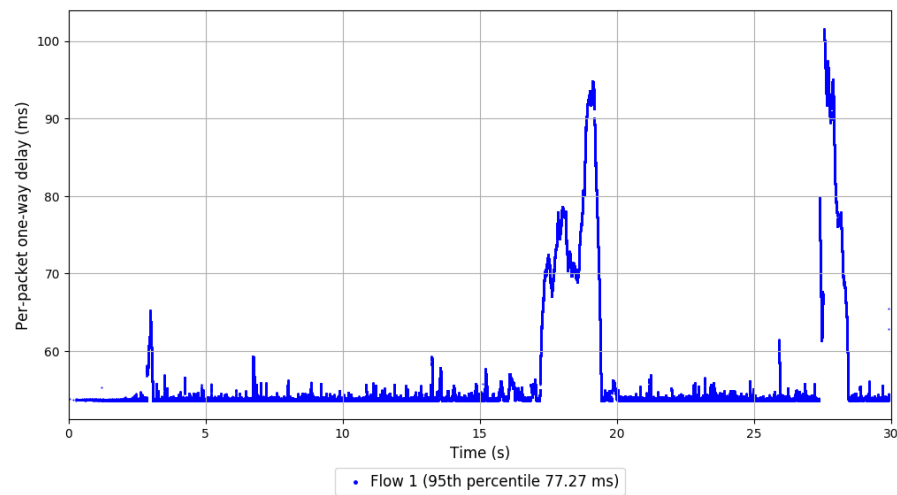
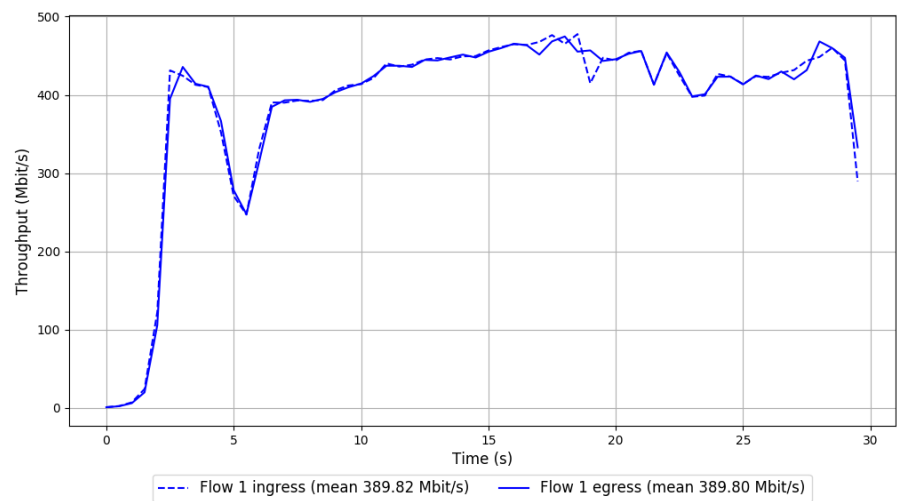
-- Flow 1:

Average throughput: 389.80 Mbit/s

95th percentile per-packet one-way delay: 77.274 ms

Loss rate: 0.02%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-03-20 15:59:48

End at: 2018-03-20 16:00:18

Below is generated by plot.py at 2018-03-20 21:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 286.43 Mbit/s

95th percentile per-packet one-way delay: 53.175 ms

Loss rate: 0.01%

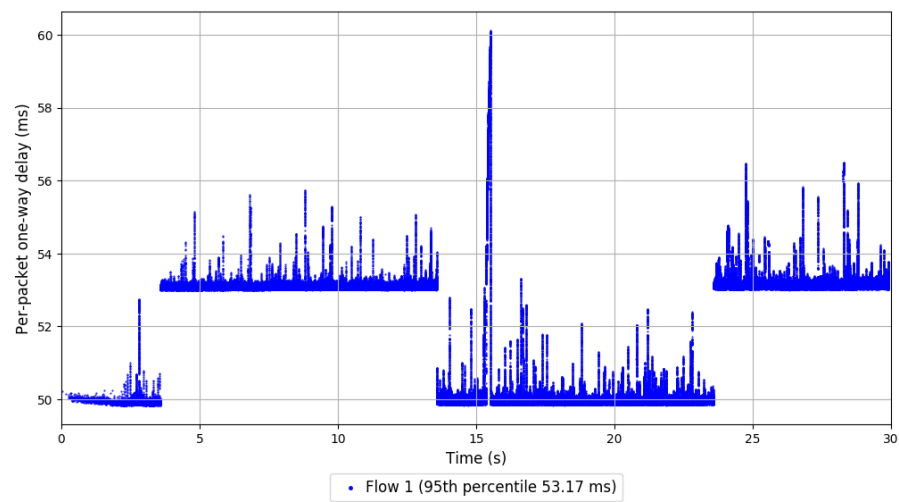
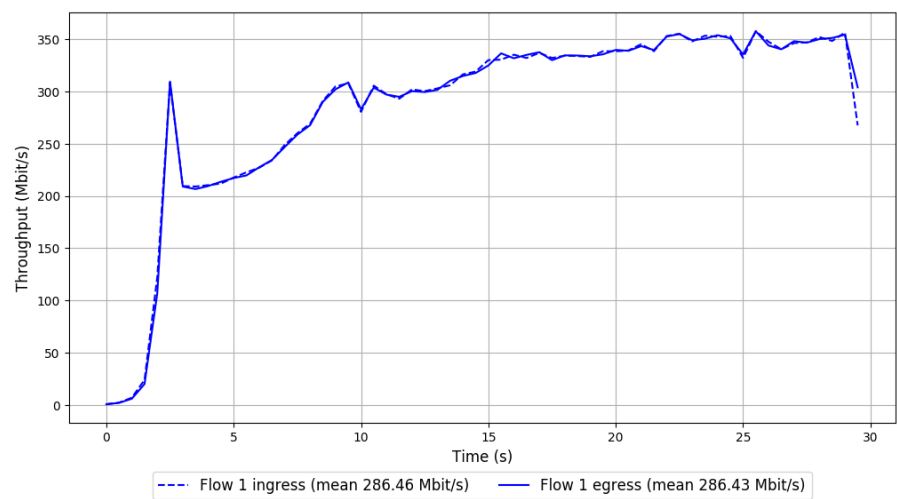
-- Flow 1:

Average throughput: 286.43 Mbit/s

95th percentile per-packet one-way delay: 53.175 ms

Loss rate: 0.01%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-03-20 16:13:59

End at: 2018-03-20 16:14:29

Below is generated by plot.py at 2018-03-20 21:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.67 Mbit/s

95th percentile per-packet one-way delay: 63.420 ms

Loss rate: 0.00%

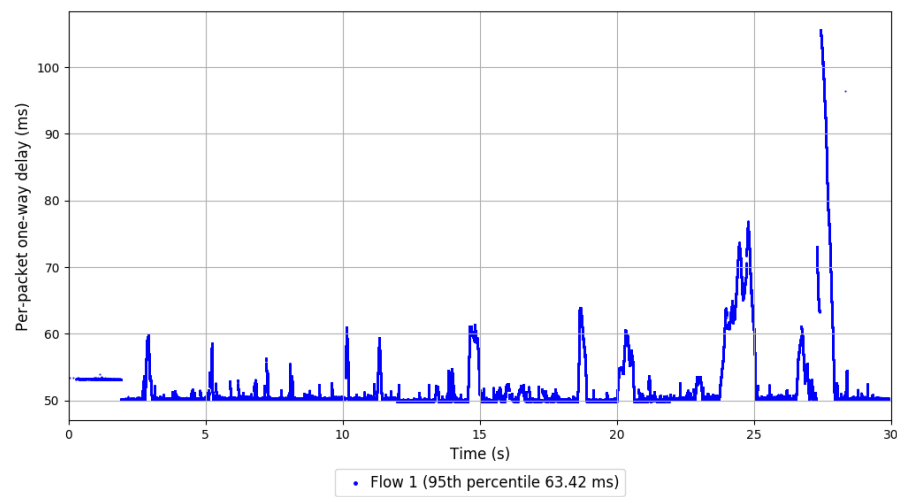
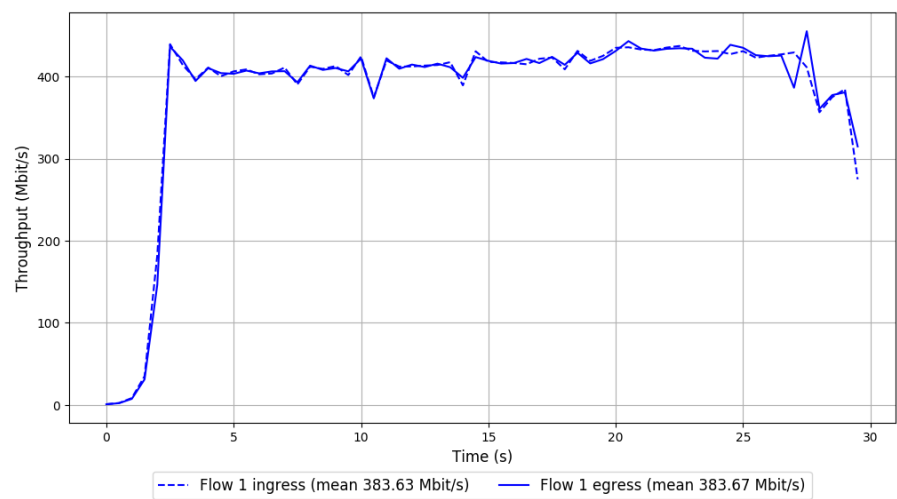
-- Flow 1:

Average throughput: 383.67 Mbit/s

95th percentile per-packet one-way delay: 63.420 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-03-20 16:28:17

End at: 2018-03-20 16:28:47

Below is generated by plot.py at 2018-03-20 21:18:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.85 Mbit/s

95th percentile per-packet one-way delay: 54.744 ms

Loss rate: 0.00%

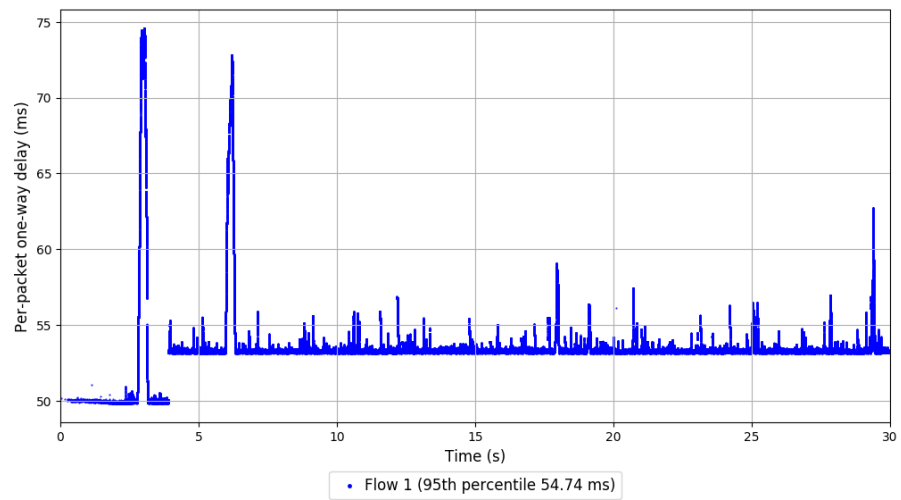
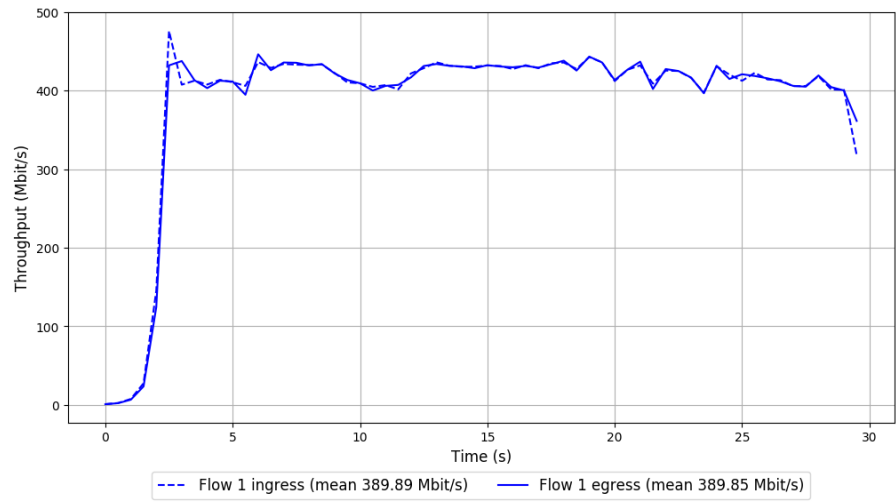
-- Flow 1:

Average throughput: 389.85 Mbit/s

95th percentile per-packet one-way delay: 54.744 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-20 16:42:47

End at: 2018-03-20 16:43:17

Below is generated by plot.py at 2018-03-20 21:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.56 Mbit/s

95th percentile per-packet one-way delay: 55.399 ms

Loss rate: 0.02%

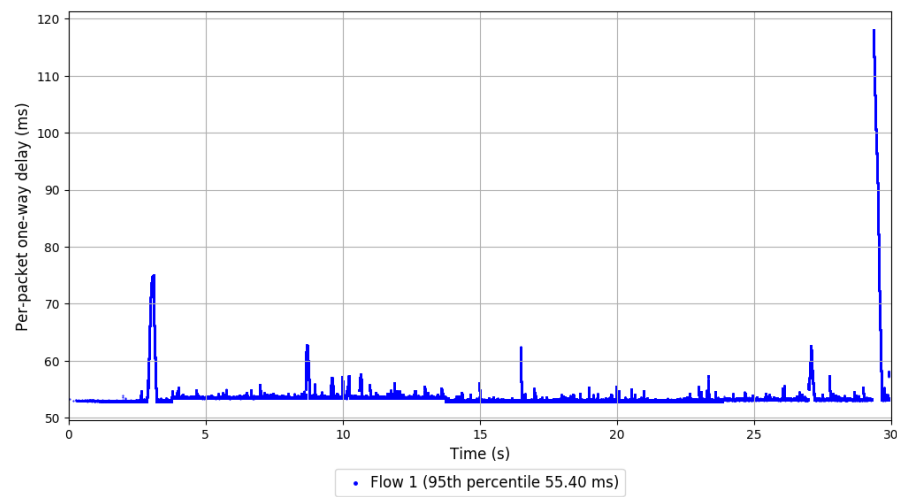
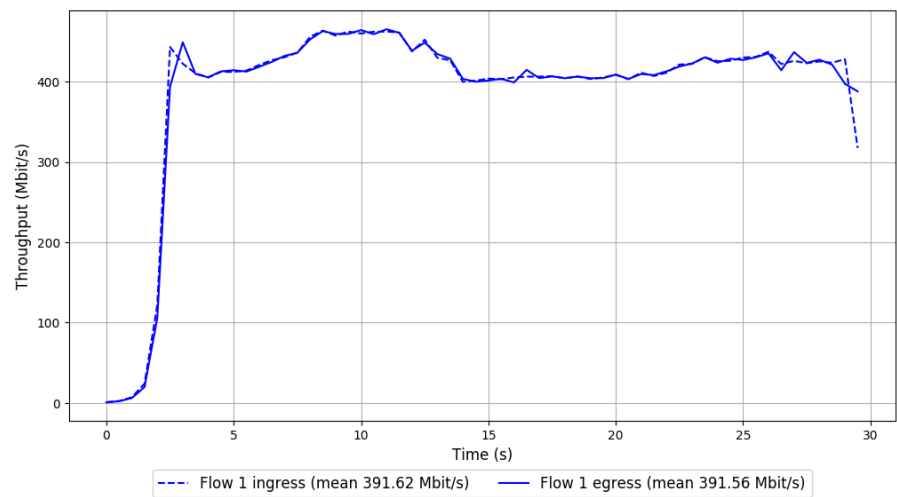
-- Flow 1:

Average throughput: 391.56 Mbit/s

95th percentile per-packet one-way delay: 55.399 ms

Loss rate: 0.02%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-20 16:57:08

End at: 2018-03-20 16:57:38

Below is generated by plot.py at 2018-03-20 21:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.78 Mbit/s

95th percentile per-packet one-way delay: 55.408 ms

Loss rate: 0.00%

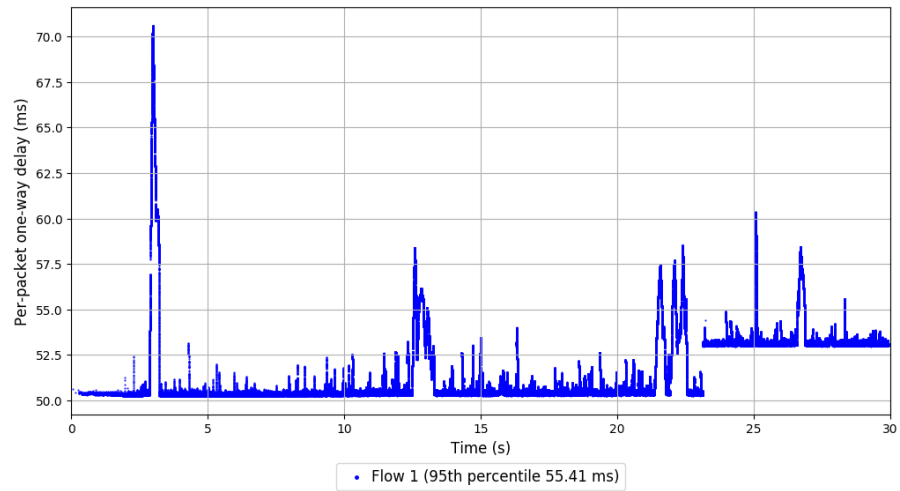
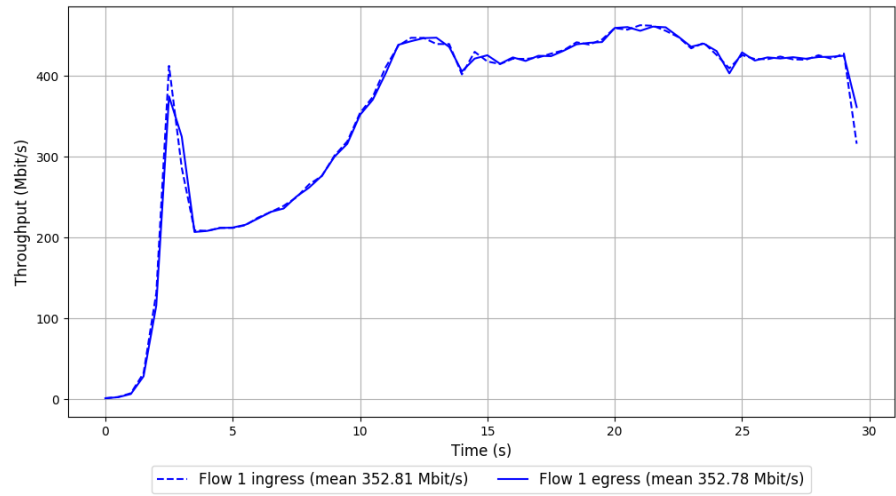
-- Flow 1:

Average throughput: 352.78 Mbit/s

95th percentile per-packet one-way delay: 55.408 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-03-20 17:11:22

End at: 2018-03-20 17:11:52

Below is generated by plot.py at 2018-03-20 21:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.42 Mbit/s

95th percentile per-packet one-way delay: 61.656 ms

Loss rate: 0.00%

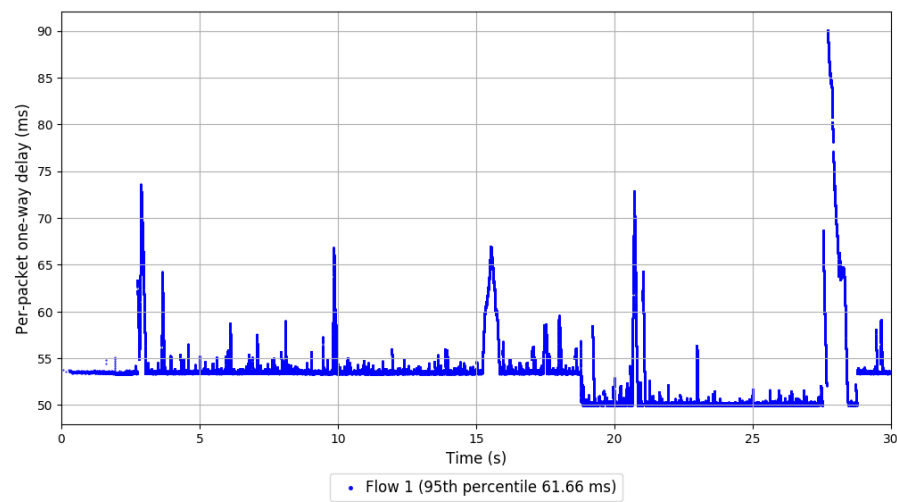
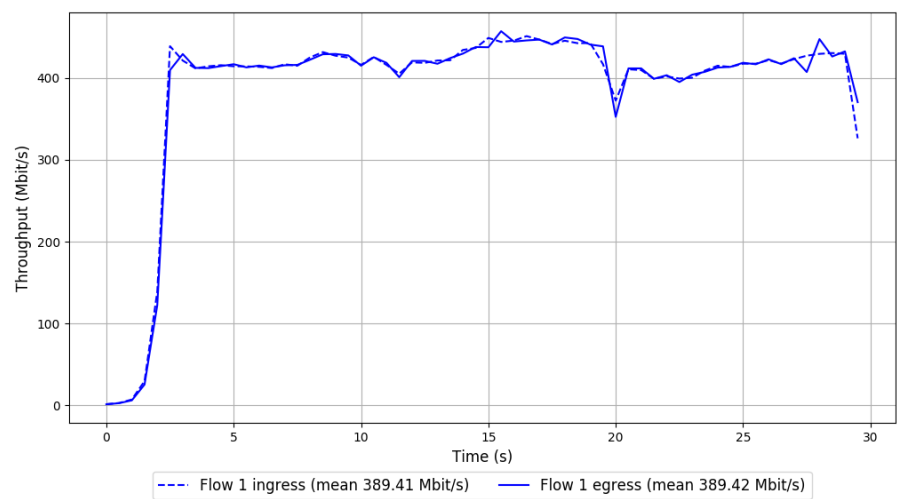
-- Flow 1:

Average throughput: 389.42 Mbit/s

95th percentile per-packet one-way delay: 61.656 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-20 17:25:40

End at: 2018-03-20 17:26:10

Below is generated by plot.py at 2018-03-20 21:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.19 Mbit/s

95th percentile per-packet one-way delay: 94.297 ms

Loss rate: 0.00%

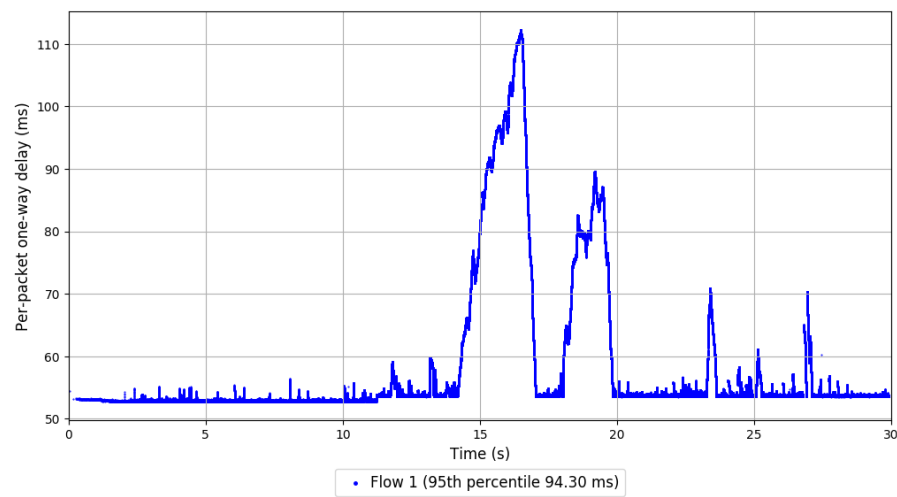
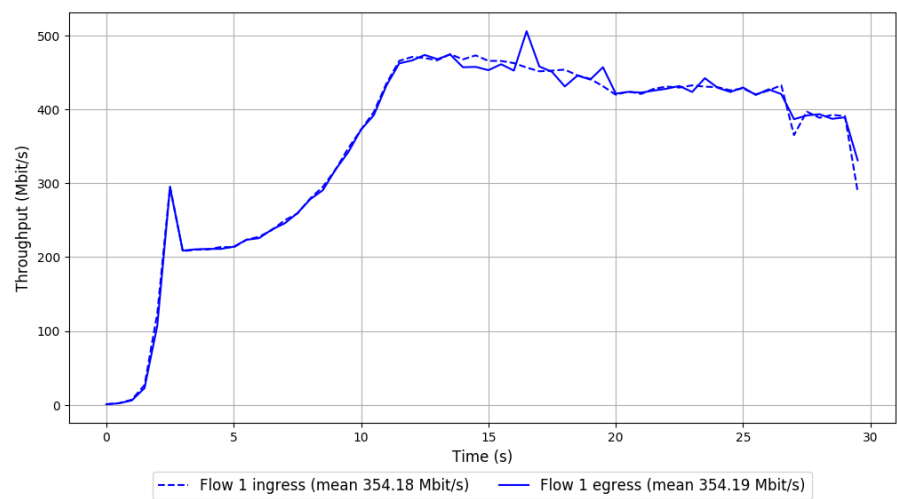
-- Flow 1:

Average throughput: 354.19 Mbit/s

95th percentile per-packet one-way delay: 94.297 ms

Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-20 17:40:12

End at: 2018-03-20 17:40:42

Below is generated by plot.py at 2018-03-20 21:20:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.78 Mbit/s

95th percentile per-packet one-way delay: 80.429 ms

Loss rate: 0.05%

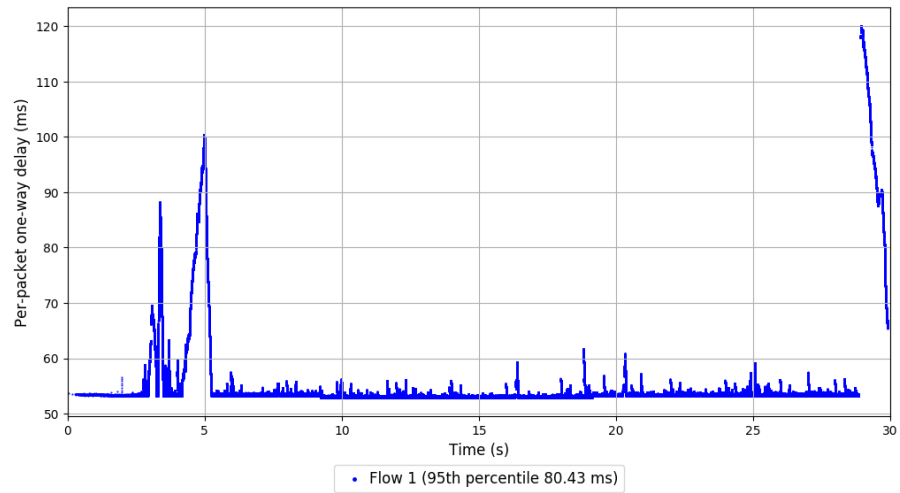
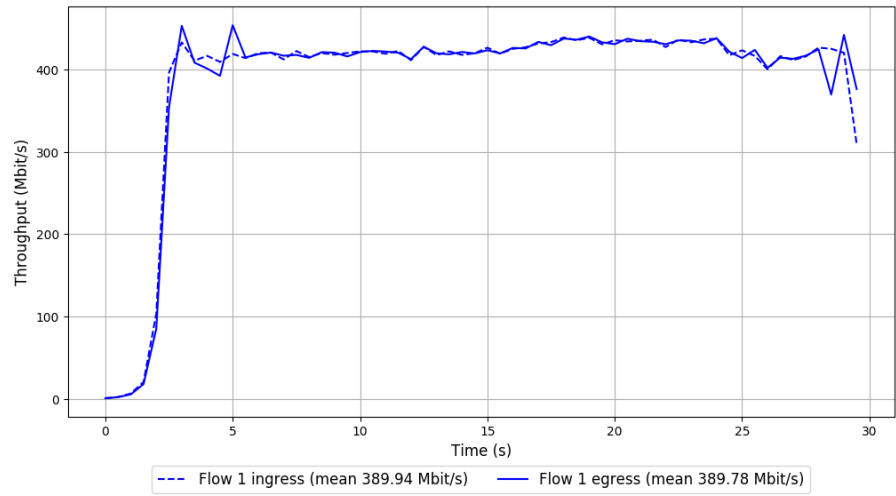
-- Flow 1:

Average throughput: 389.78 Mbit/s

95th percentile per-packet one-way delay: 80.429 ms

Loss rate: 0.05%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-03-20 17:54:35

End at: 2018-03-20 17:55:05

Below is generated by plot.py at 2018-03-20 21:20:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.49 Mbit/s

95th percentile per-packet one-way delay: 62.422 ms

Loss rate: 0.01%

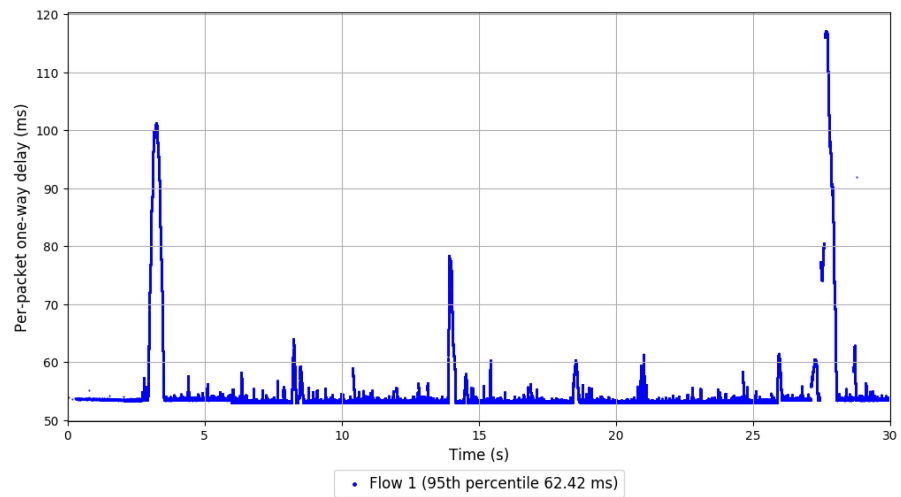
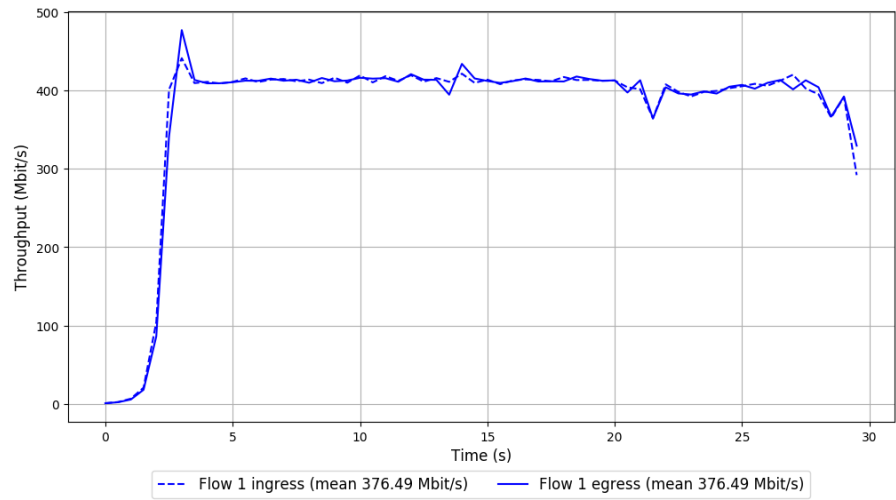
-- Flow 1:

Average throughput: 376.49 Mbit/s

95th percentile per-packet one-way delay: 62.422 ms

Loss rate: 0.01%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-20 18:09:03

End at: 2018-03-20 18:09:33

Below is generated by plot.py at 2018-03-20 21:20:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.59 Mbit/s

95th percentile per-packet one-way delay: 55.161 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 385.59 Mbit/s

95th percentile per-packet one-way delay: 55.161 ms

Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

