

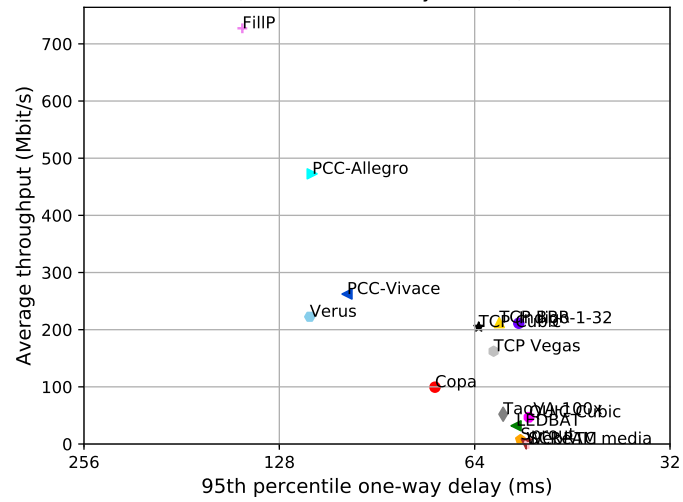
Pantheon Report

Generated at 2018-04-17 18:43:13 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

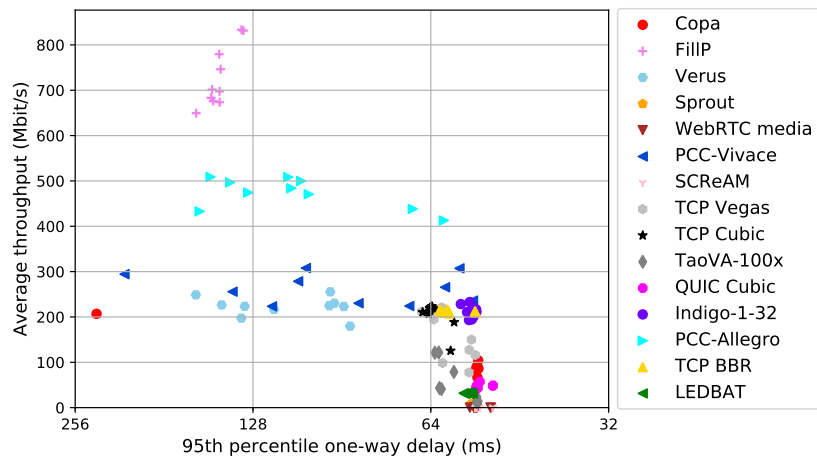
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from GCE Sydney Ethernet to GCE 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	212.32	58.64	0.01
TCP Cubic	10	204.68	63.09	0.03
LEDBAT	10	31.89	55.26	0.04
PCC-Allegro	10	472.64	113.92	0.85
QUIC Cubic	10	46.79	52.78	0.01
SCReAM	10	0.21	52.92	0.00
WebRTC media	10	0.06	53.29	0.00
Sprout	10	7.75	54.41	0.00
TaoVA-100x	9	52.10	57.85	0.00
TCP Vegas	10	162.24	59.84	0.02
Verus	10	222.61	114.92	0.98
Copa	9	99.41	73.68	3.81
FillP	10	727.25	145.95	6.53
Indigo-1-32	10	211.25	54.73	0.00
PCC-Vivace	10	262.32	100.68	0.18
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 14:36:19

End at: 2018-04-17 14:36:49

Below is generated by plot.py at 2018-04-17 17:44:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.32 Mbit/s

95th percentile per-packet one-way delay: 59.734 ms

Loss rate: 0.00%

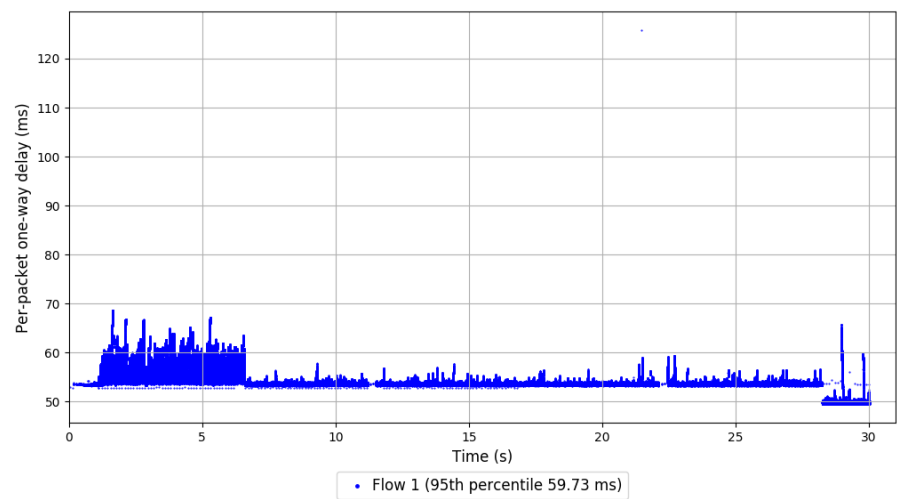
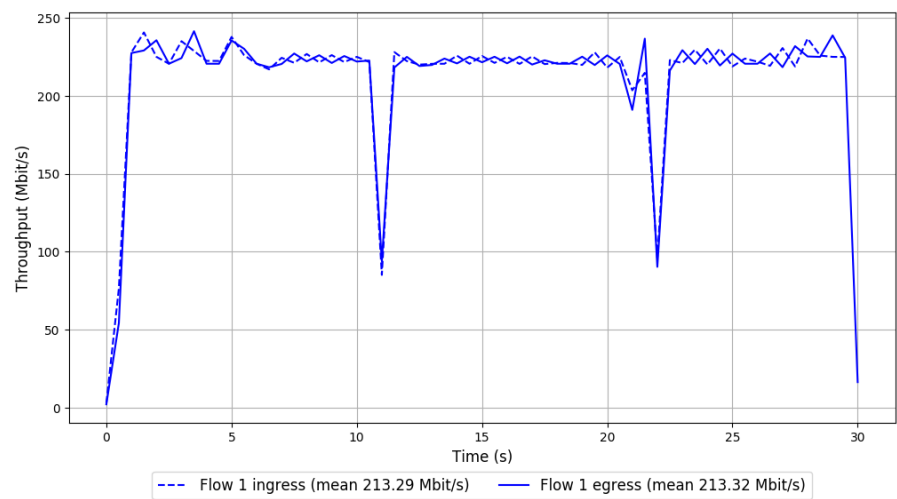
-- Flow 1:

Average throughput: 213.32 Mbit/s

95th percentile per-packet one-way delay: 59.734 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 14:49:08

End at: 2018-04-17 14:49:38

Below is generated by plot.py at 2018-04-17 17:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.91 Mbit/s

95th percentile per-packet one-way delay: 60.020 ms

Loss rate: 0.00%

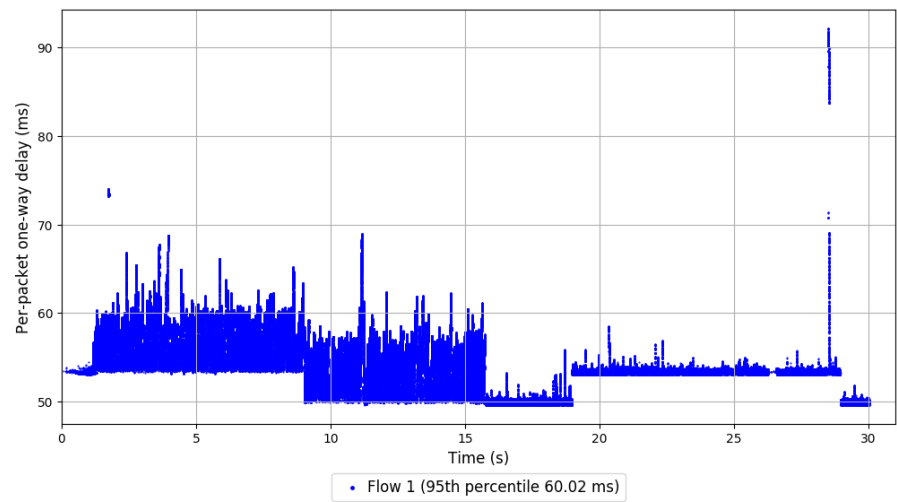
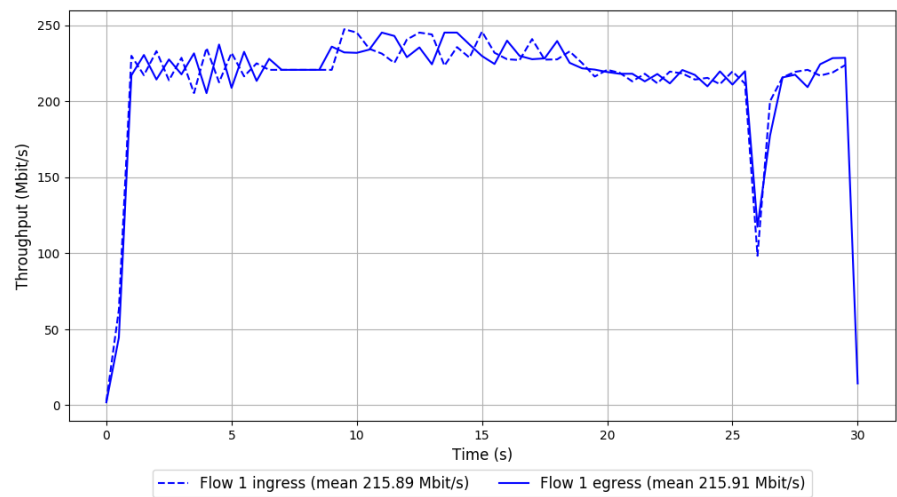
-- Flow 1:

Average throughput: 215.91 Mbit/s

95th percentile per-packet one-way delay: 60.020 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 15:01:47

End at: 2018-04-17 15:02:17

Below is generated by plot.py at 2018-04-17 17:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.18 Mbit/s

95th percentile per-packet one-way delay: 53.717 ms

Loss rate: 0.00%

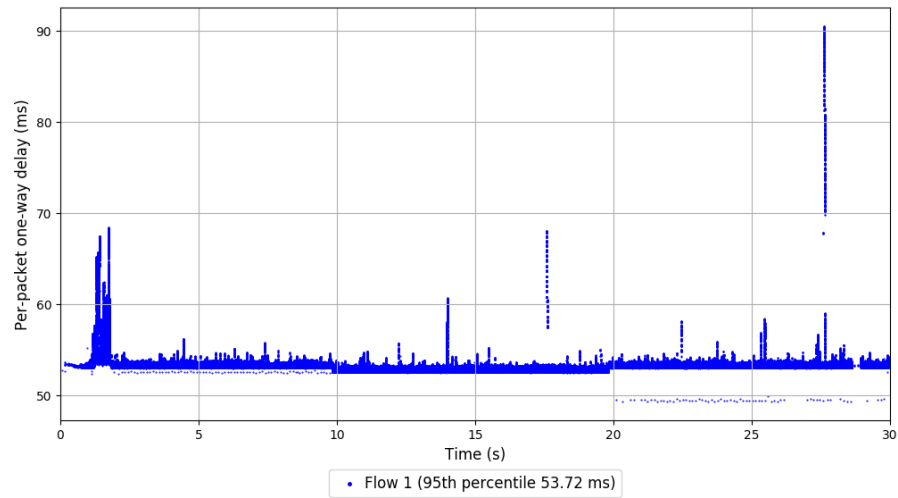
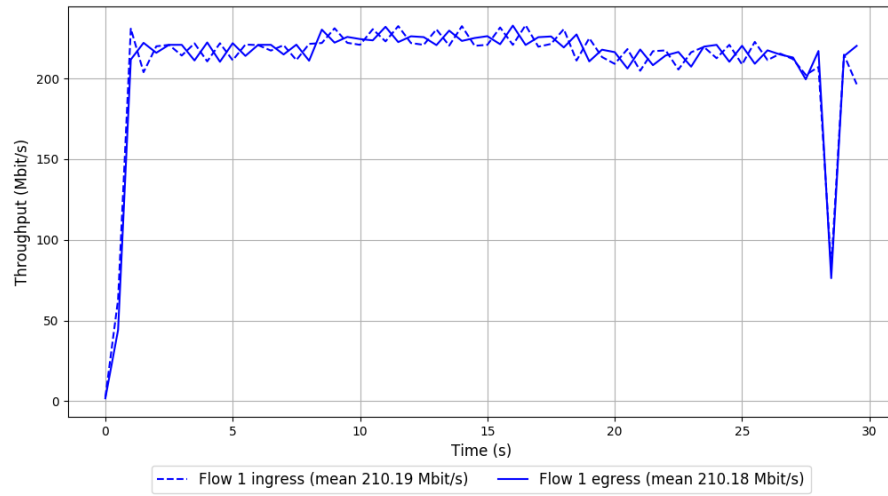
-- Flow 1:

Average throughput: 210.18 Mbit/s

95th percentile per-packet one-way delay: 53.717 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 15:14:37

End at: 2018-04-17 15:15:07

Below is generated by plot.py at 2018-04-17 17:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.63 Mbit/s

95th percentile per-packet one-way delay: 53.902 ms

Loss rate: 0.02%

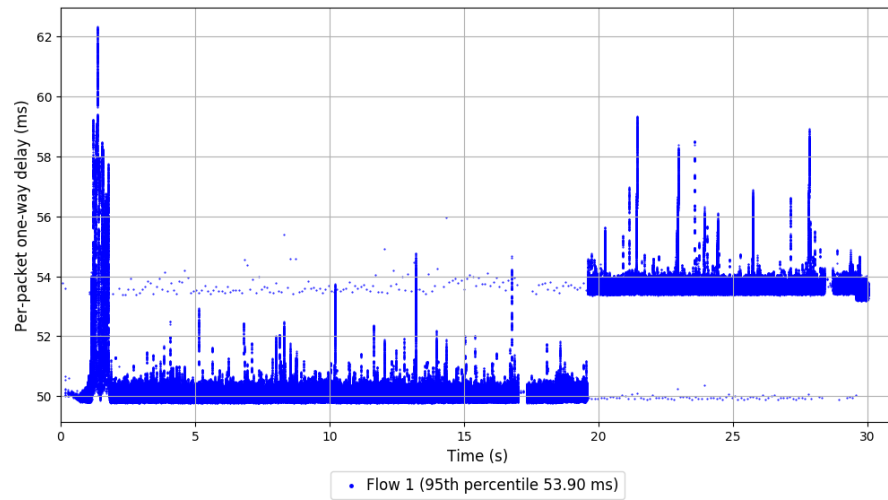
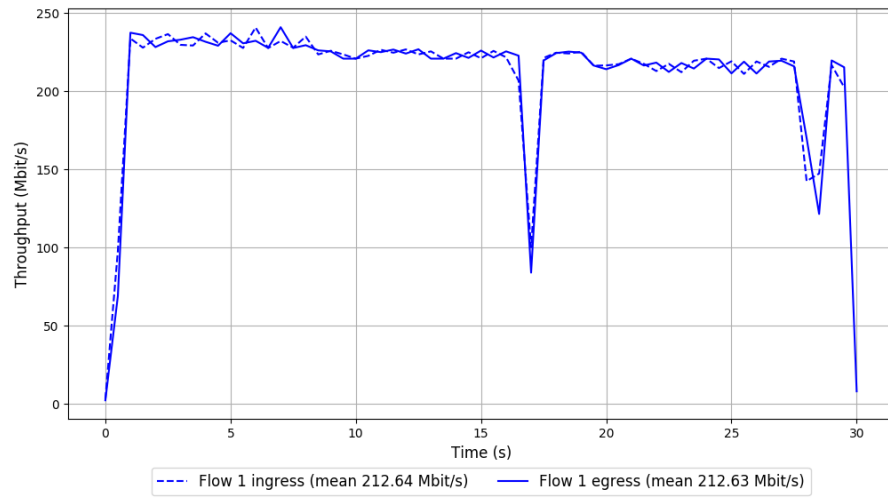
-- Flow 1:

Average throughput: 212.63 Mbit/s

95th percentile per-packet one-way delay: 53.902 ms

Loss rate: 0.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 15:27:34

End at: 2018-04-17 15:28:04

Below is generated by plot.py at 2018-04-17 17:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.37 Mbit/s

95th percentile per-packet one-way delay: 53.819 ms

Loss rate: 0.00%

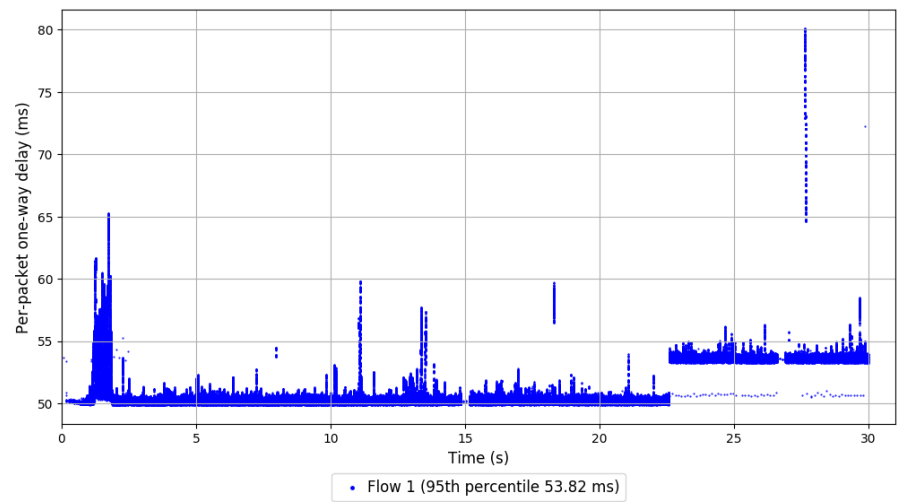
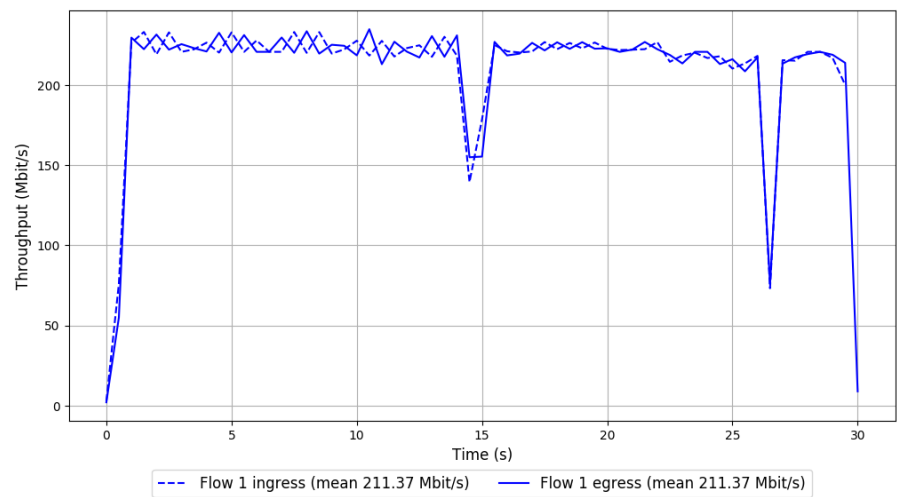
-- Flow 1:

Average throughput: 211.37 Mbit/s

95th percentile per-packet one-way delay: 53.819 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 15:40:17

End at: 2018-04-17 15:40:47

Below is generated by plot.py at 2018-04-17 17:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.98 Mbit/s

95th percentile per-packet one-way delay: 61.576 ms

Loss rate: 0.00%

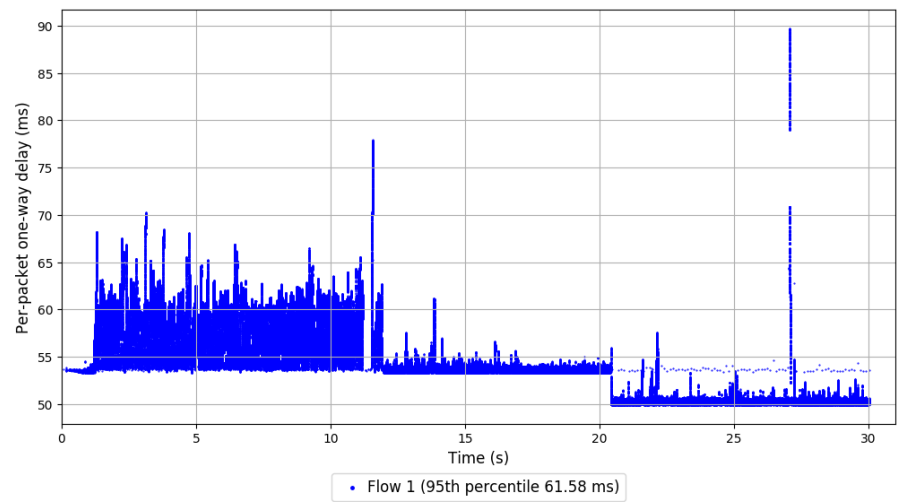
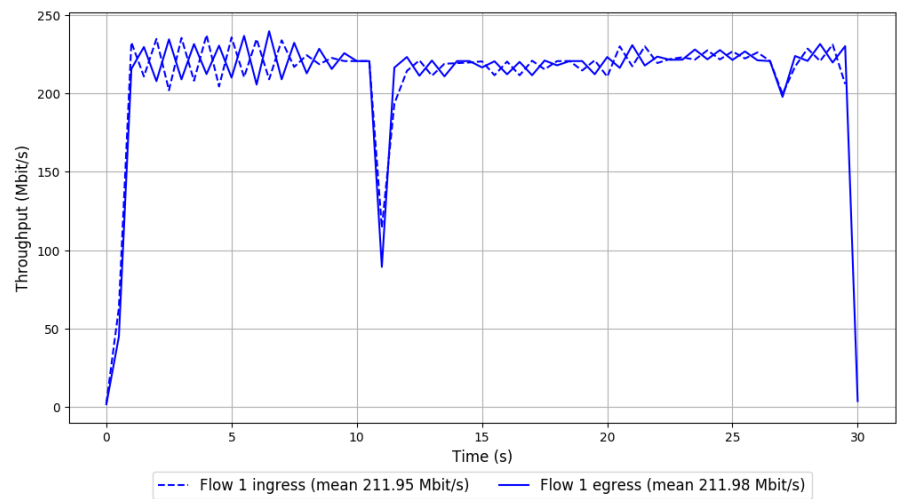
-- Flow 1:

Average throughput: 211.98 Mbit/s

95th percentile per-packet one-way delay: 61.576 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 15:53:06

End at: 2018-04-17 15:53:36

Below is generated by plot.py at 2018-04-17 17:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.35 Mbit/s

95th percentile per-packet one-way delay: 60.710 ms

Loss rate: 0.01%

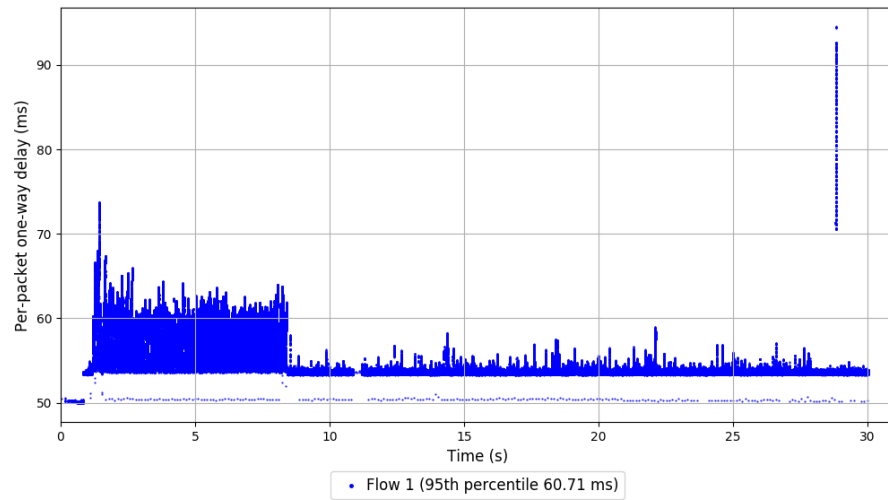
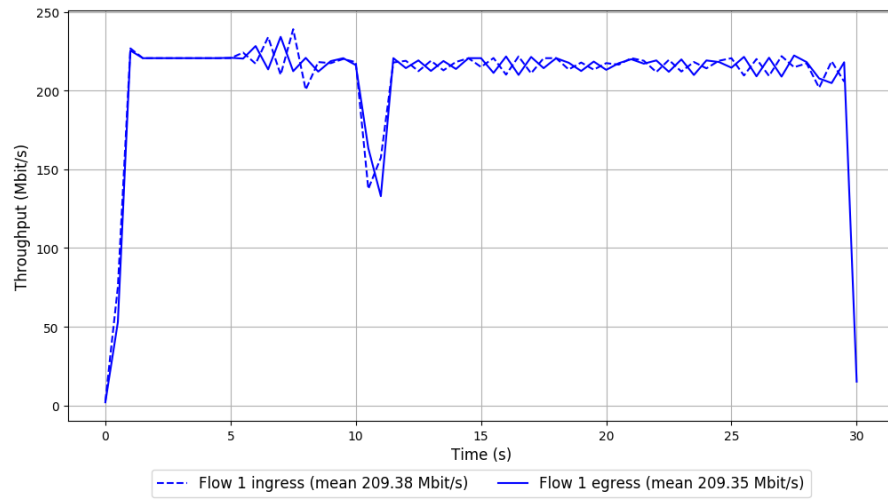
-- Flow 1:

Average throughput: 209.35 Mbit/s

95th percentile per-packet one-way delay: 60.710 ms

Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 16:05:54

End at: 2018-04-17 16:06:24

Below is generated by plot.py at 2018-04-17 17:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.91 Mbit/s

95th percentile per-packet one-way delay: 61.558 ms

Loss rate: 0.01%

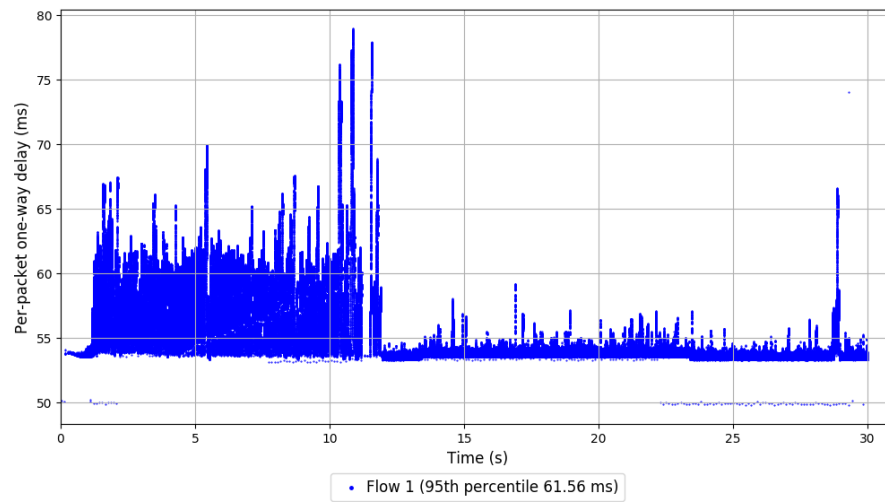
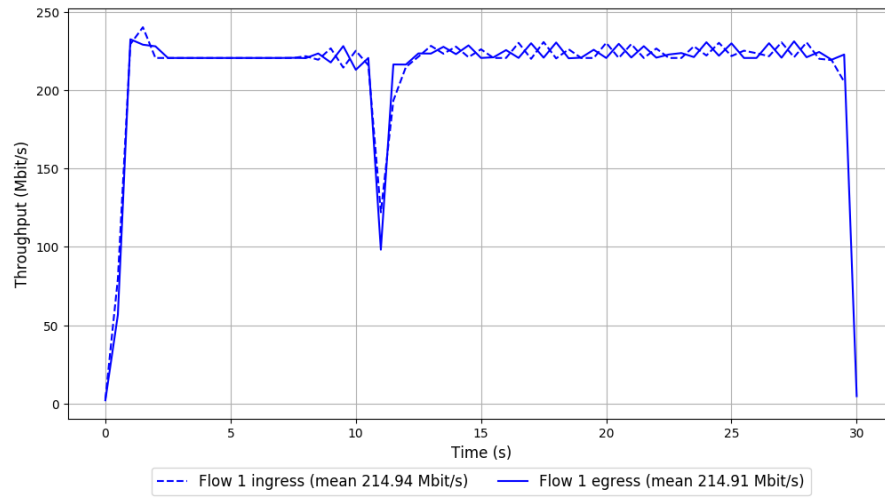
-- Flow 1:

Average throughput: 214.91 Mbit/s

95th percentile per-packet one-way delay: 61.558 ms

Loss rate: 0.01%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 16:18:31

End at: 2018-04-17 16:19:01

Below is generated by plot.py at 2018-04-17 17:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.59 Mbit/s

95th percentile per-packet one-way delay: 59.571 ms

Loss rate: 0.01%

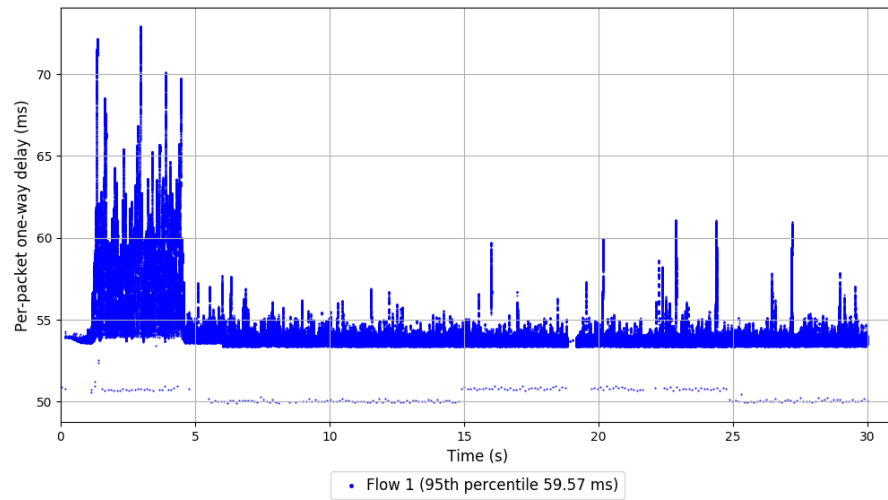
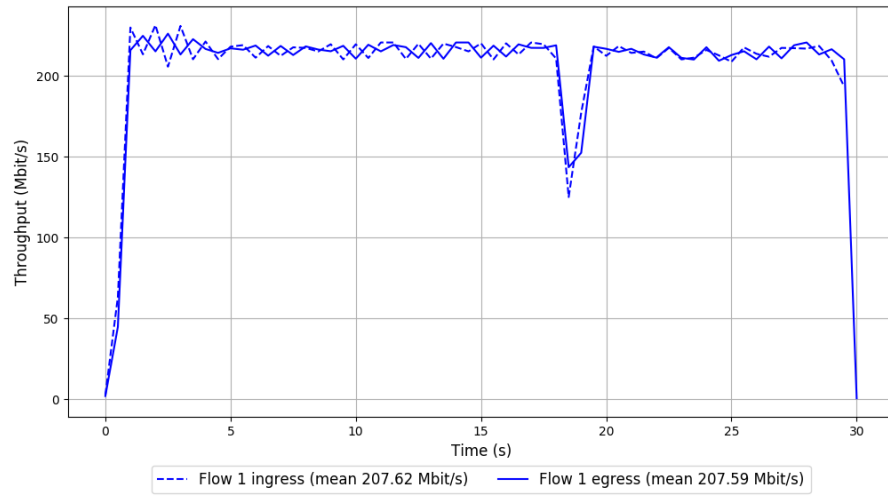
-- Flow 1:

Average throughput: 207.59 Mbit/s

95th percentile per-packet one-way delay: 59.571 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 16:31:34

End at: 2018-04-17 16:32:04

Below is generated by plot.py at 2018-04-17 17:48:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.00 Mbit/s

95th percentile per-packet one-way delay: 61.785 ms

Loss rate: 0.00%

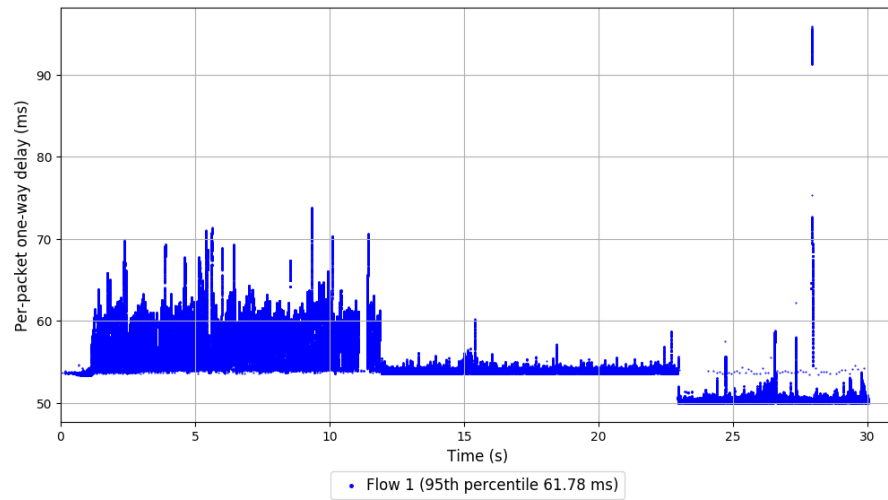
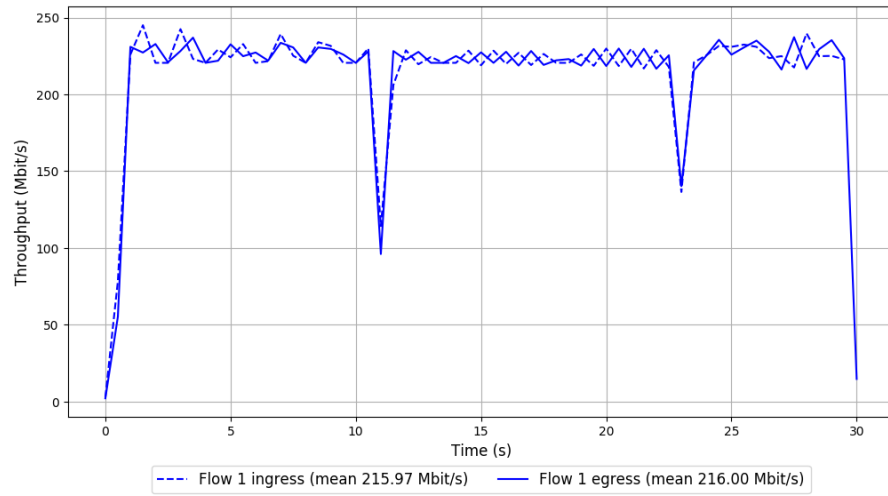
-- Flow 1:

Average throughput: 216.00 Mbit/s

95th percentile per-packet one-way delay: 61.785 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 14:29:59

End at: 2018-04-17 14:30:29

Below is generated by plot.py at 2018-04-17 17:48:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.55 Mbit/s

95th percentile per-packet one-way delay: 59.245 ms

Loss rate: 0.00%

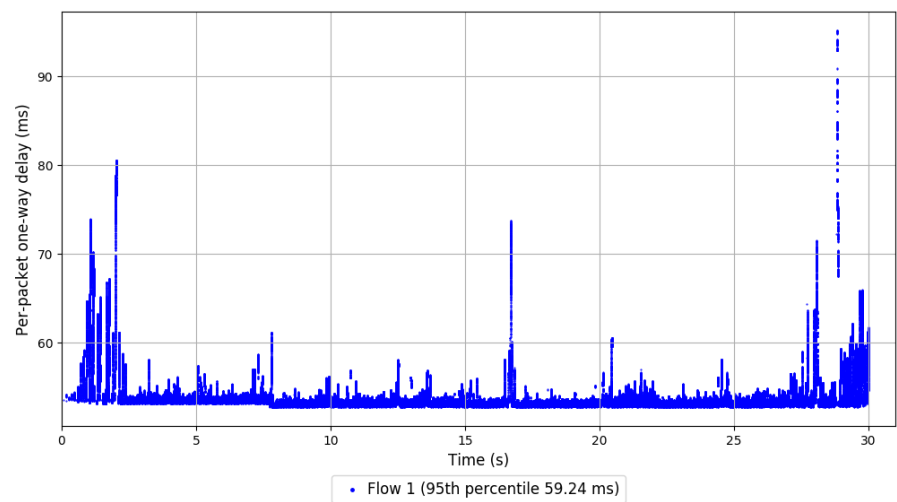
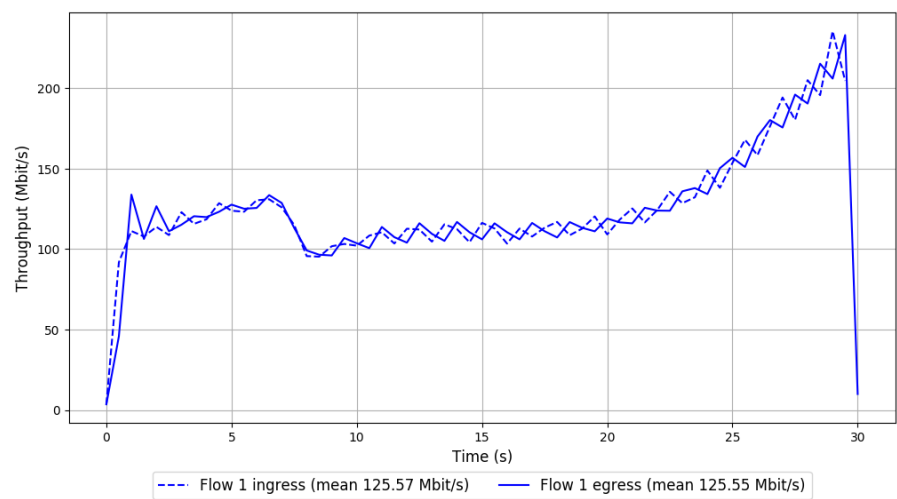
-- Flow 1:

Average throughput: 125.55 Mbit/s

95th percentile per-packet one-way delay: 59.245 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 14:42:46

End at: 2018-04-17 14:43:16

Below is generated by plot.py at 2018-04-17 17:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.12 Mbit/s

95th percentile per-packet one-way delay: 63.476 ms

Loss rate: 0.10%

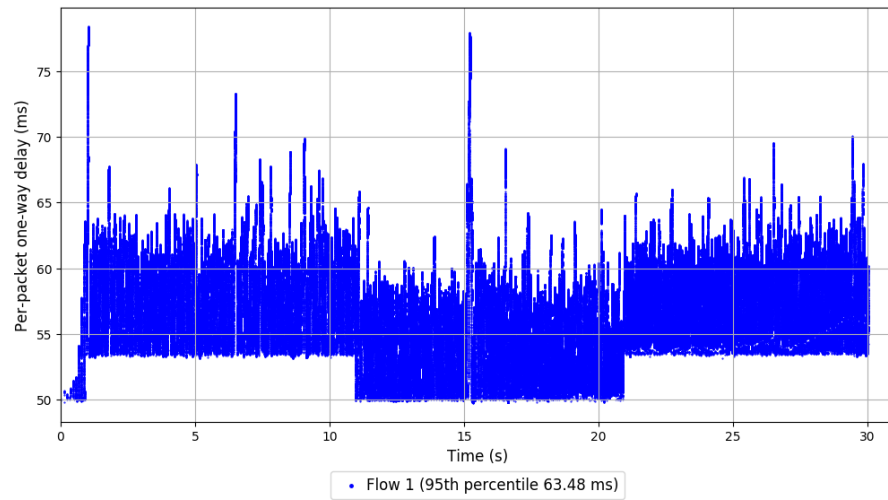
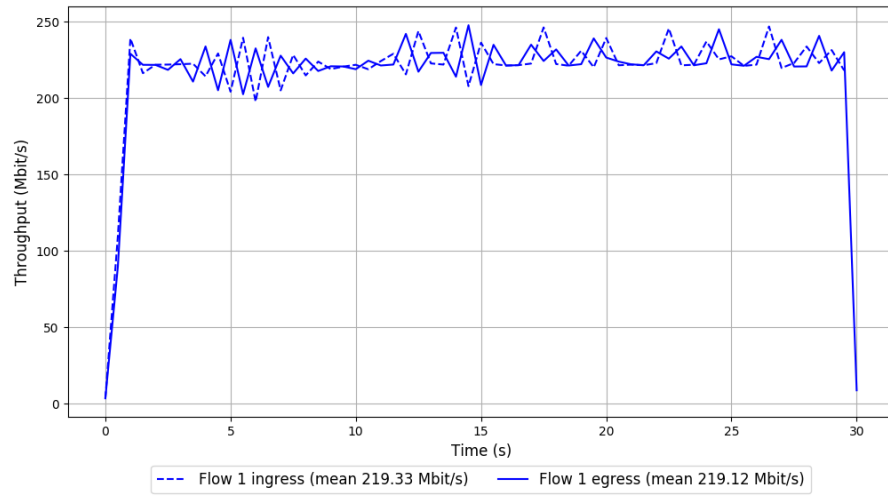
-- Flow 1:

Average throughput: 219.12 Mbit/s

95th percentile per-packet one-way delay: 63.476 ms

Loss rate: 0.10%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 14:55:29

End at: 2018-04-17 14:55:59

Below is generated by plot.py at 2018-04-17 17:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.66 Mbit/s

95th percentile per-packet one-way delay: 58.442 ms

Loss rate: 0.00%

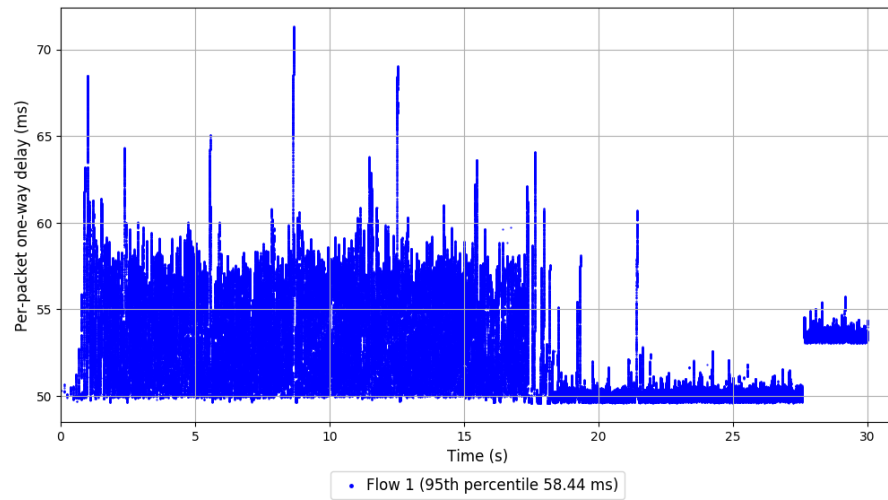
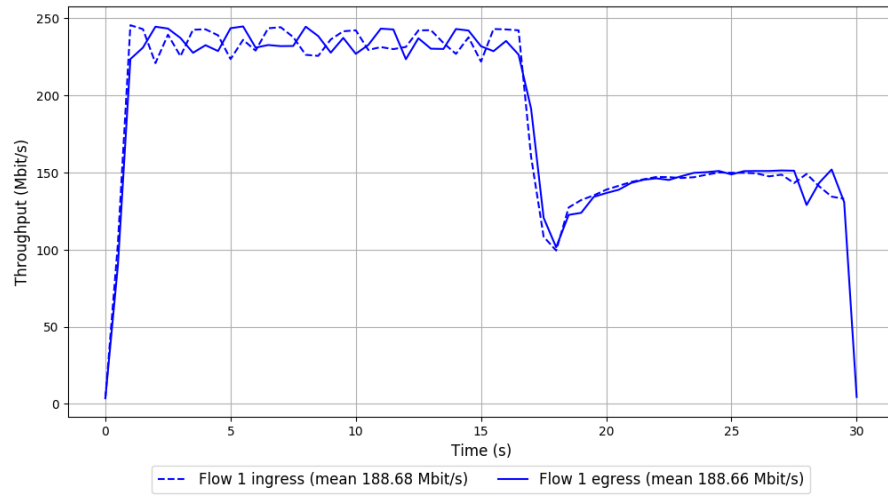
-- Flow 1:

Average throughput: 188.66 Mbit/s

95th percentile per-packet one-way delay: 58.442 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 15:08:19

End at: 2018-04-17 15:08:49

Below is generated by plot.py at 2018-04-17 17:48:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.27 Mbit/s

95th percentile per-packet one-way delay: 62.962 ms

Loss rate: 0.02%

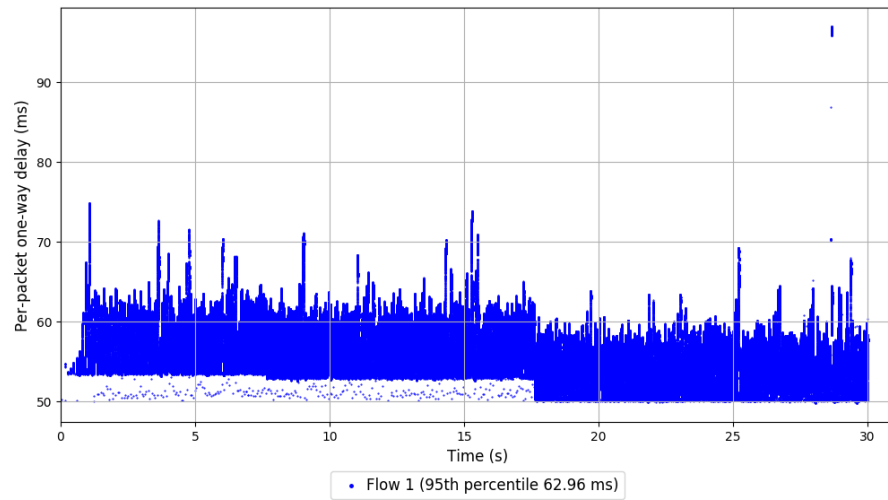
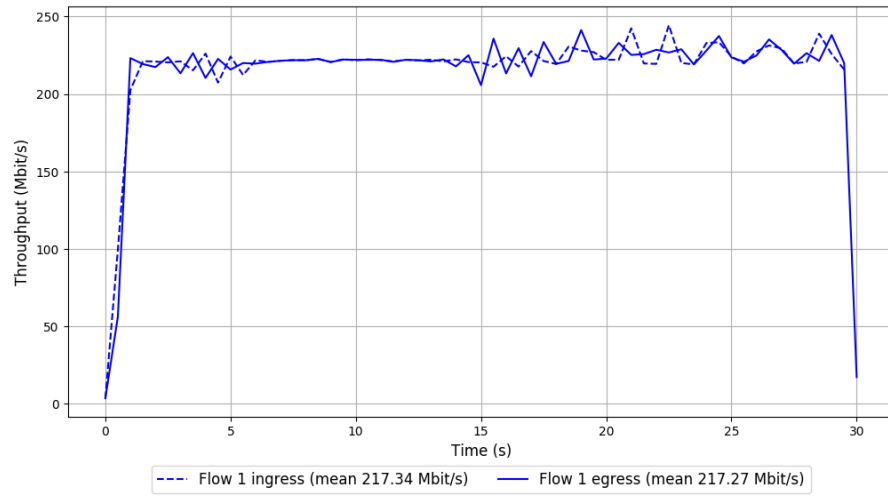
-- Flow 1:

Average throughput: 217.27 Mbit/s

95th percentile per-packet one-way delay: 62.962 ms

Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 15:21:09

End at: 2018-04-17 15:21:39

Below is generated by plot.py at 2018-04-17 17:48:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.91 Mbit/s

95th percentile per-packet one-way delay: 64.198 ms

Loss rate: 0.00%

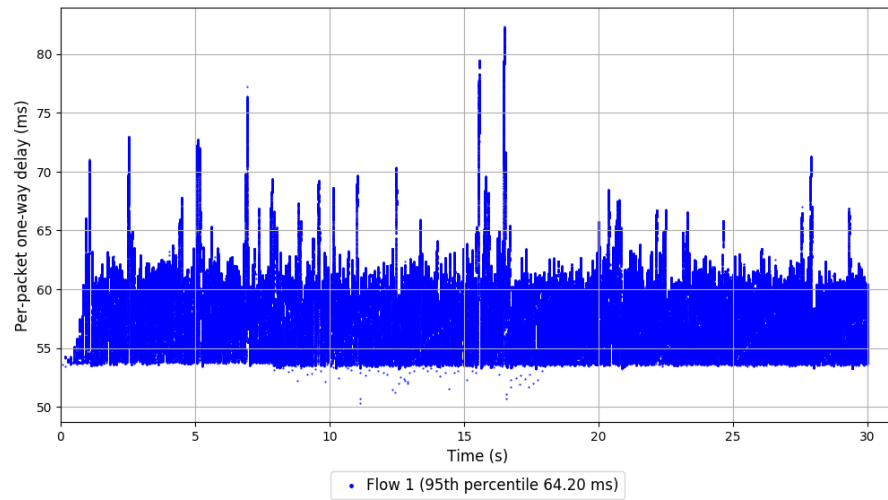
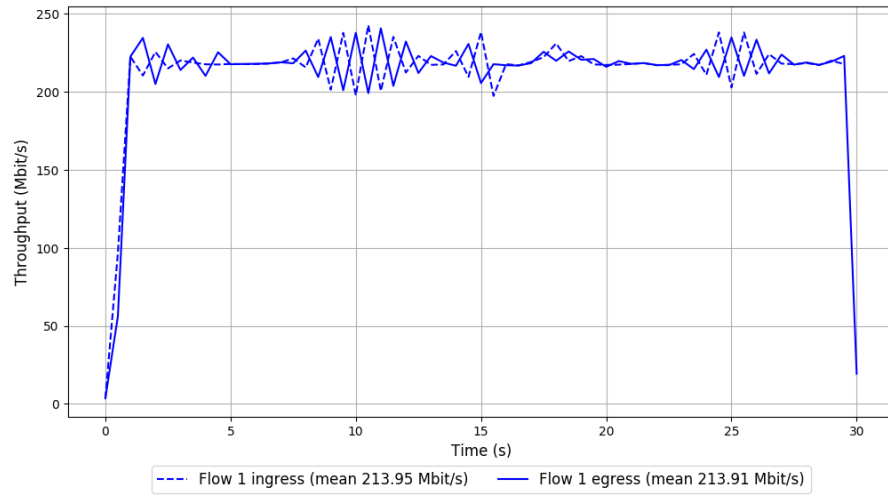
-- Flow 1:

Average throughput: 213.91 Mbit/s

95th percentile per-packet one-way delay: 64.198 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 15:33:57

End at: 2018-04-17 15:34:27

Below is generated by plot.py at 2018-04-17 17:48:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.25 Mbit/s

95th percentile per-packet one-way delay: 64.002 ms

Loss rate: 0.05%

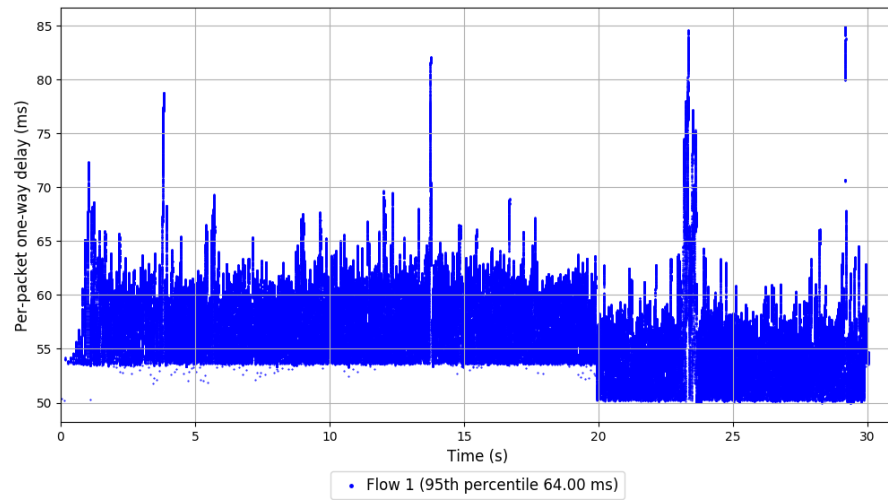
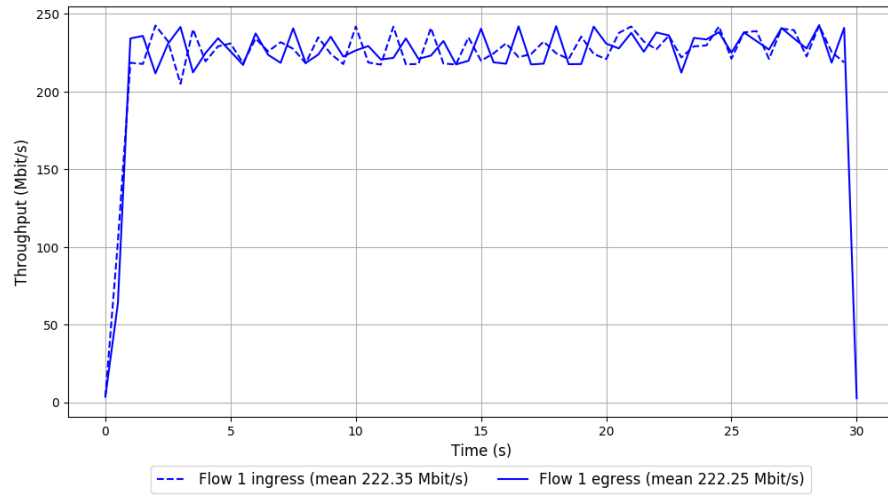
-- Flow 1:

Average throughput: 222.25 Mbit/s

95th percentile per-packet one-way delay: 64.002 ms

Loss rate: 0.05%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 15:46:43

End at: 2018-04-17 15:47:13

Below is generated by plot.py at 2018-04-17 17:50:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.46 Mbit/s

95th percentile per-packet one-way delay: 64.287 ms

Loss rate: 0.10%

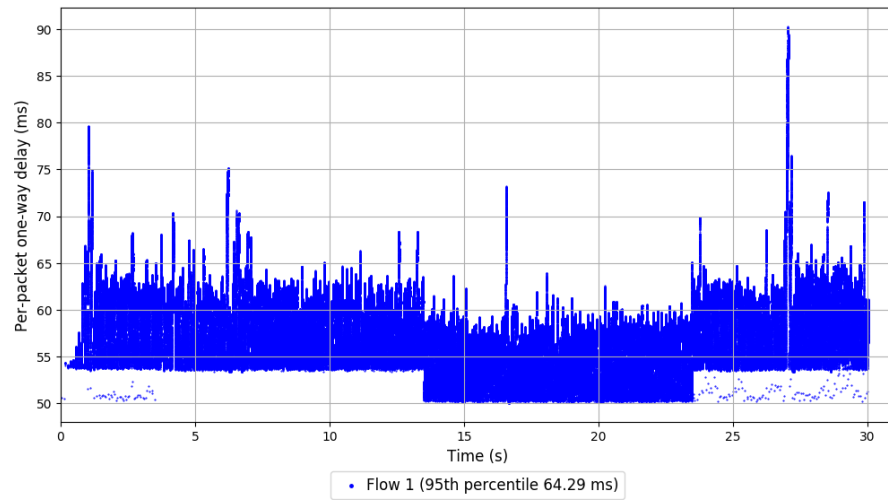
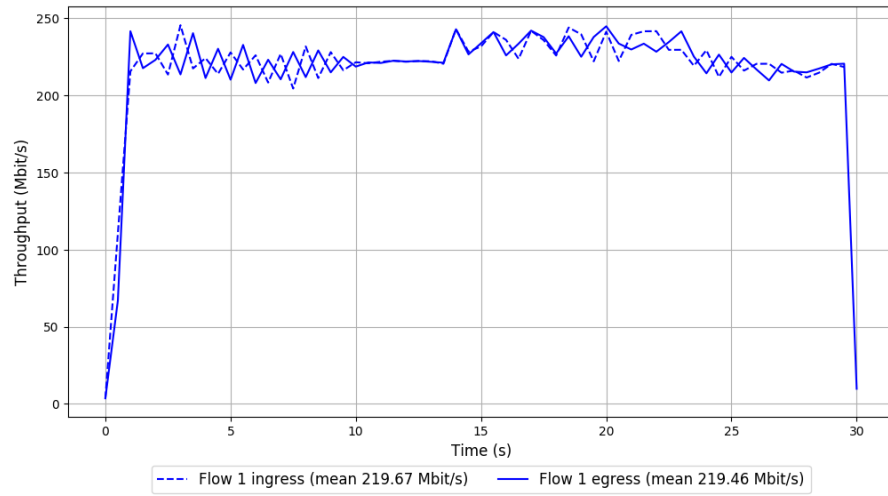
-- Flow 1:

Average throughput: 219.46 Mbit/s

95th percentile per-packet one-way delay: 64.287 ms

Loss rate: 0.10%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 15:59:36

End at: 2018-04-17 16:00:06

Below is generated by plot.py at 2018-04-17 17:51:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.77 Mbit/s

95th percentile per-packet one-way delay: 64.505 ms

Loss rate: 0.00%

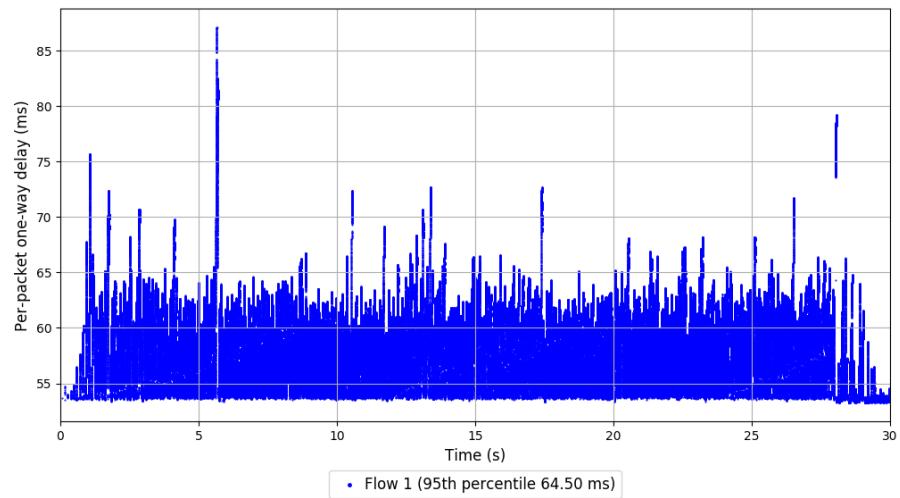
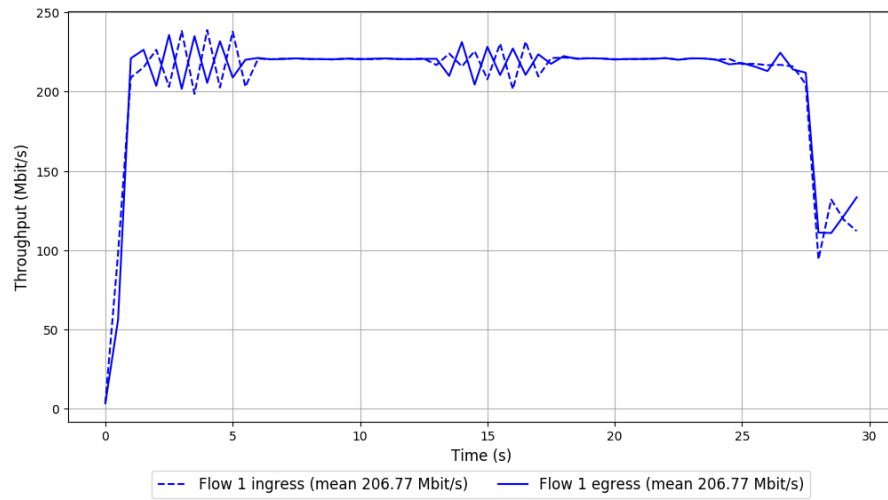
-- Flow 1:

Average throughput: 206.77 Mbit/s

95th percentile per-packet one-way delay: 64.505 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 16:12:16

End at: 2018-04-17 16:12:46

Below is generated by plot.py at 2018-04-17 17:51:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.45 Mbit/s

95th percentile per-packet one-way delay: 66.079 ms

Loss rate: 0.00%

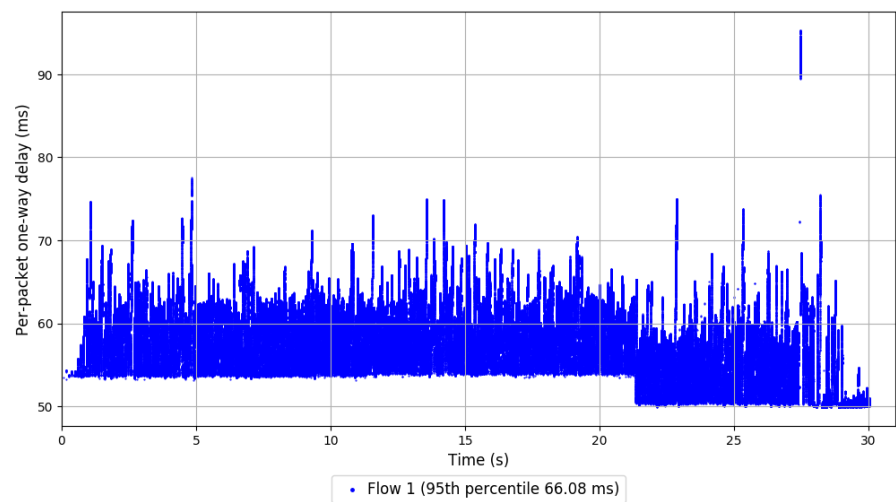
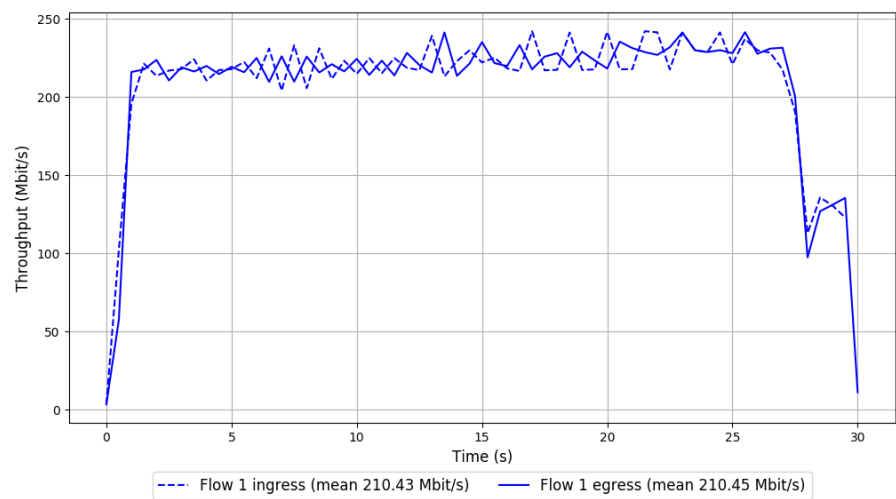
-- Flow 1:

Average throughput: 210.45 Mbit/s

95th percentile per-packet one-way delay: 66.079 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 16:25:08

End at: 2018-04-17 16:25:38

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.40 Mbit/s

95th percentile per-packet one-way delay: 63.727 ms

Loss rate: 0.00%

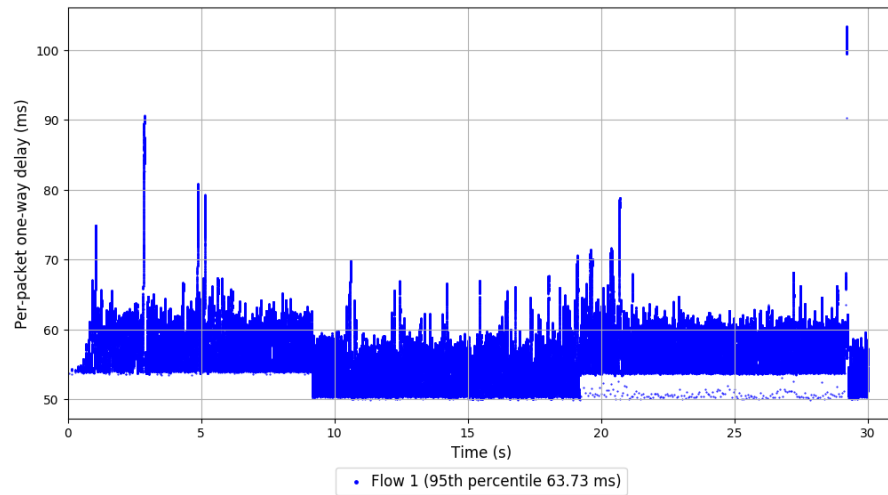
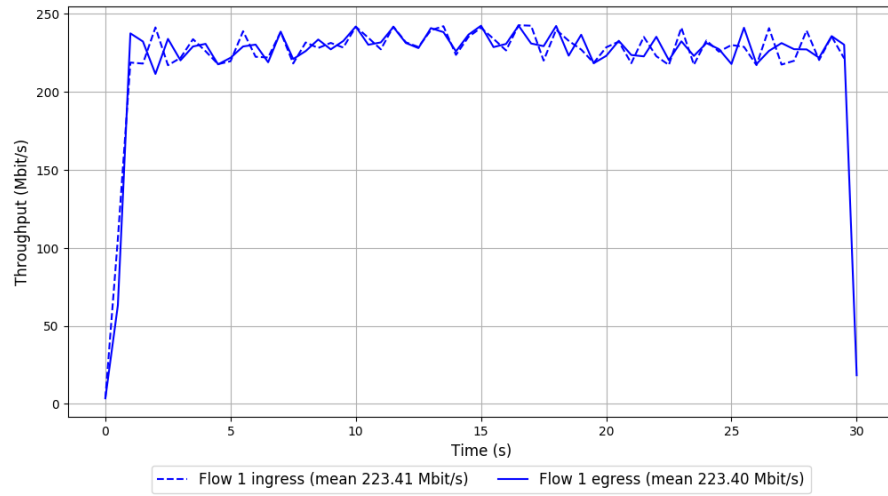
-- Flow 1:

Average throughput: 223.40 Mbit/s

95th percentile per-packet one-way delay: 63.727 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

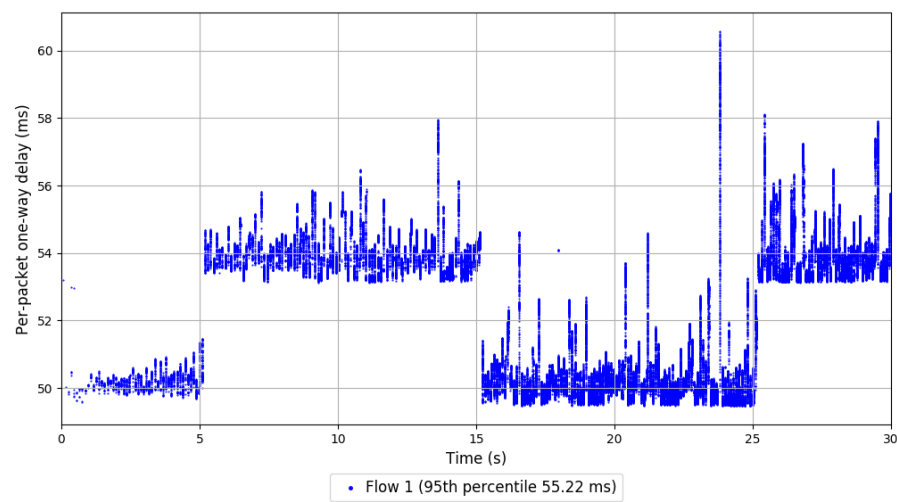
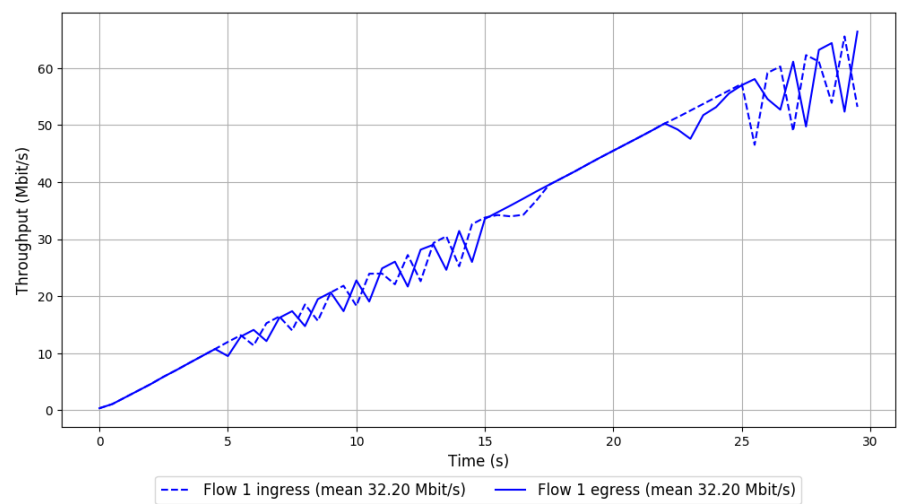


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 14:30:42
End at: 2018-04-17 14:31:12

# Below is generated by plot.py at 2018-04-17 17:51:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 55.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 55.221 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-04-17 14:43:33

End at: 2018-04-17 14:44:03

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 55.022 ms

Loss rate: 0.00%

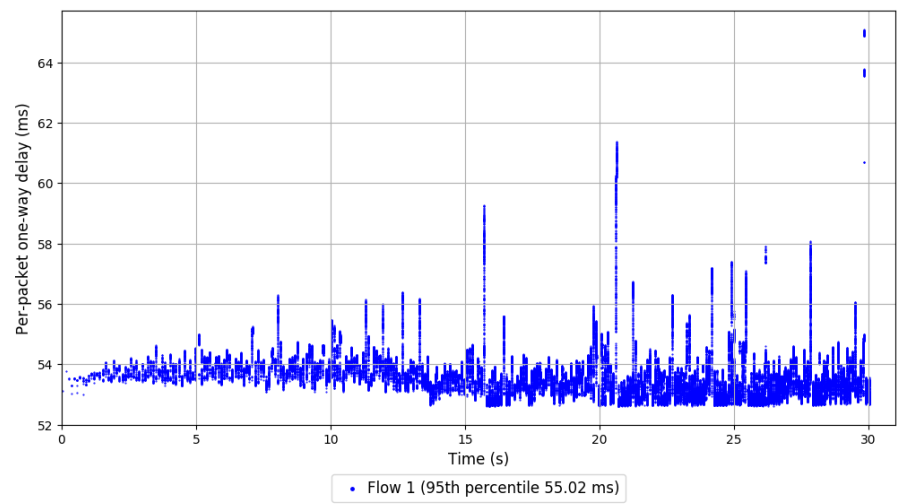
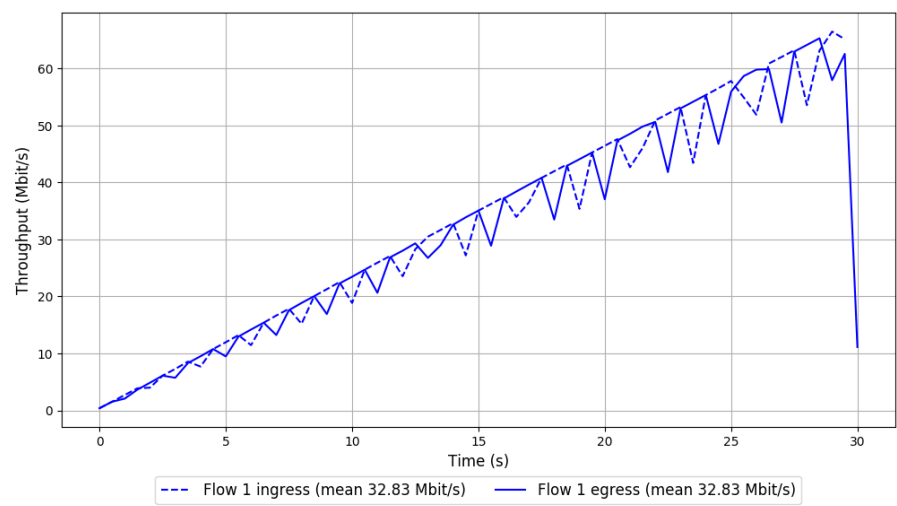
-- Flow 1:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 55.022 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-17 14:56:15

End at: 2018-04-17 14:56:45

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 55.254 ms

Loss rate: 0.12%

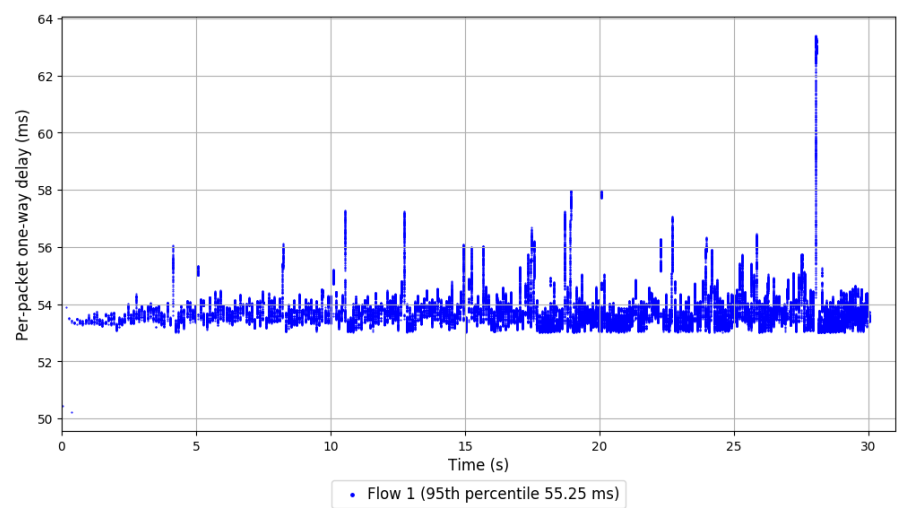
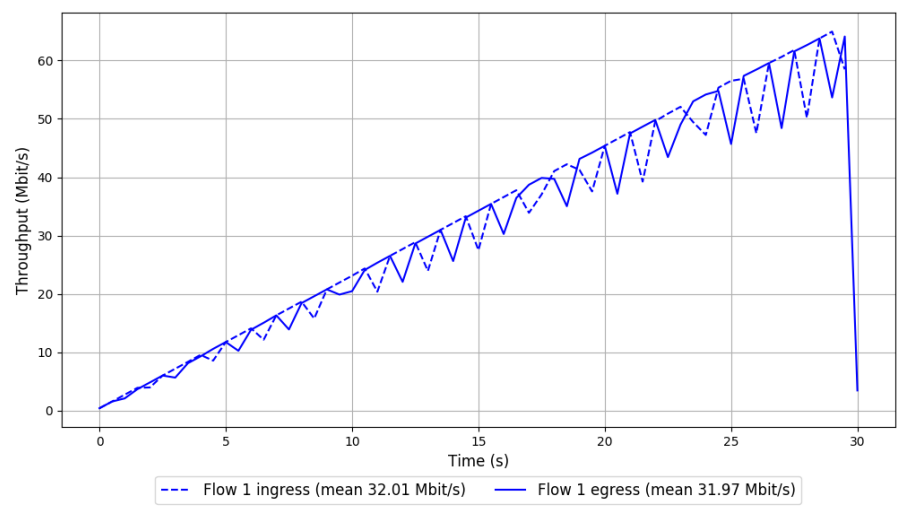
-- Flow 1:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 55.254 ms

Loss rate: 0.12%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-17 15:09:07

End at: 2018-04-17 15:09:37

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 54.332 ms

Loss rate: 0.00%

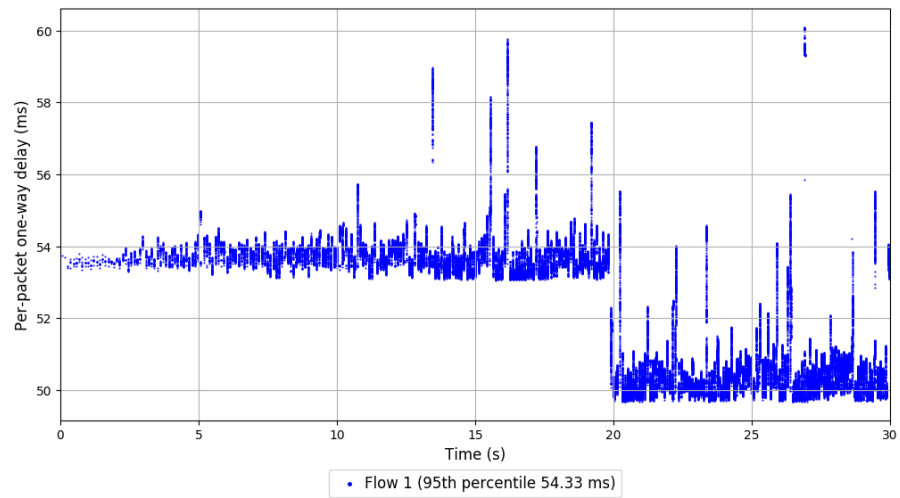
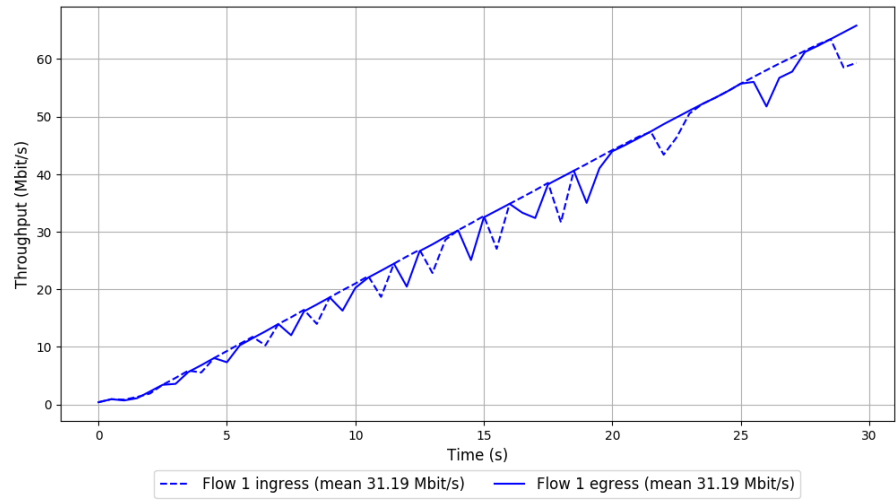
-- Flow 1:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 54.332 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 15:21:56

End at: 2018-04-17 15:22:26

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.52 Mbit/s

95th percentile per-packet one-way delay: 55.163 ms

Loss rate: 0.00%

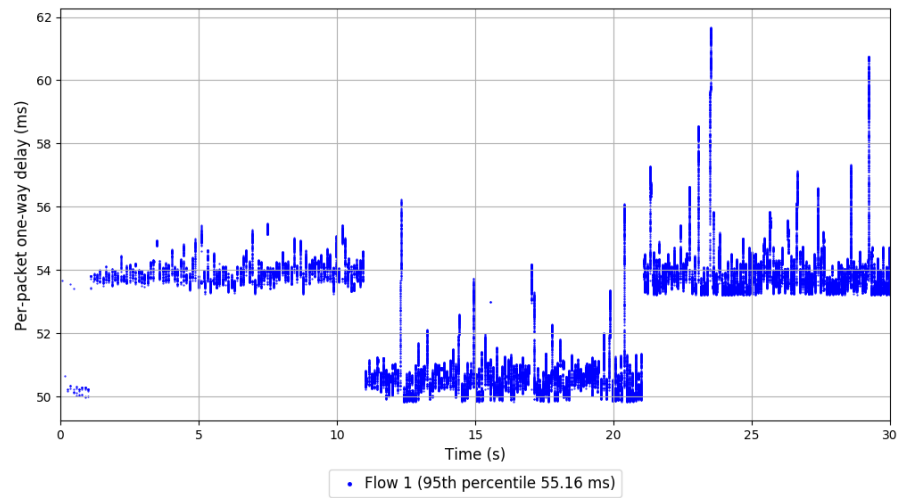
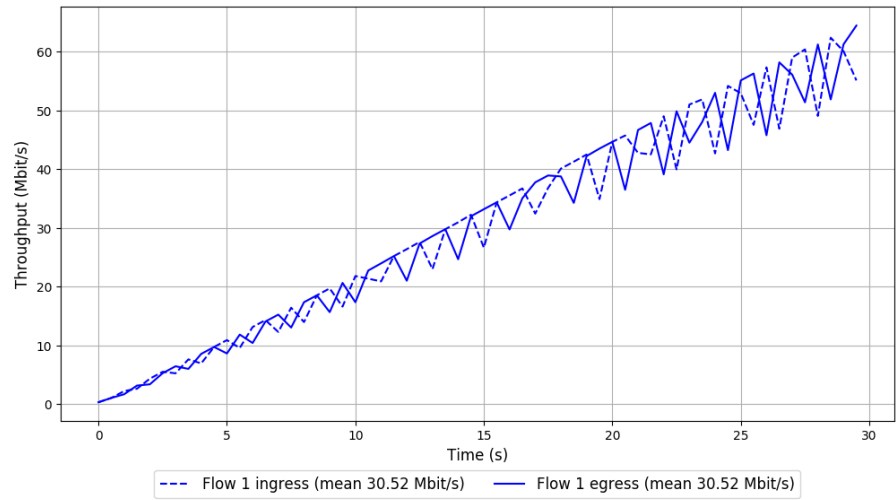
-- Flow 1:

Average throughput: 30.52 Mbit/s

95th percentile per-packet one-way delay: 55.163 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 15:34:44

End at: 2018-04-17 15:35:14

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 54.999 ms

Loss rate: 0.00%

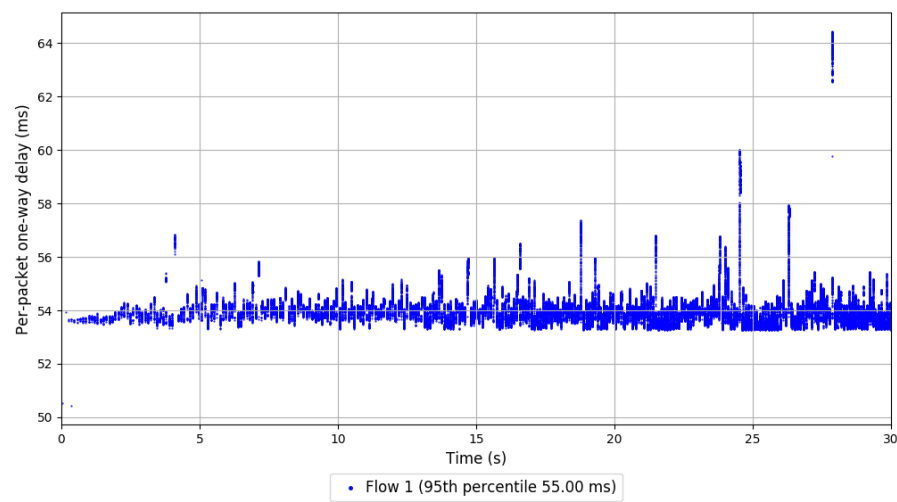
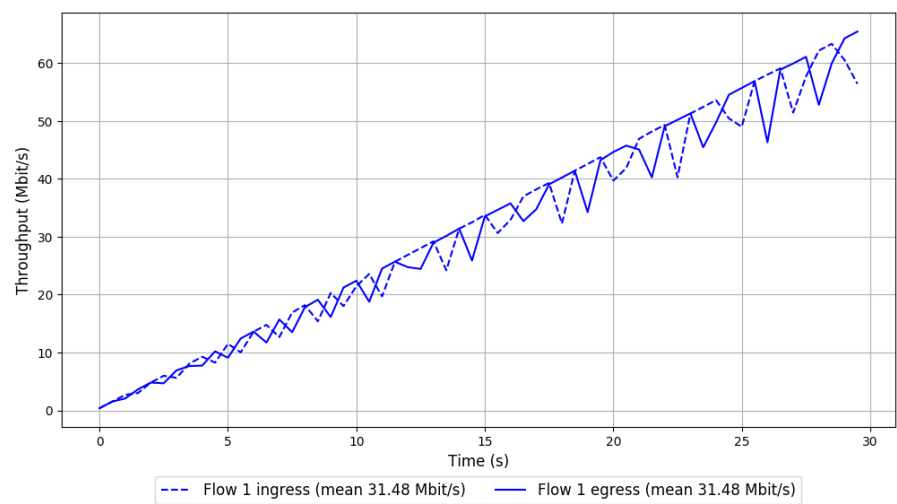
-- Flow 1:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 54.999 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-17 15:47:31

End at: 2018-04-17 15:48:01

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.06 Mbit/s

95th percentile per-packet one-way delay: 54.815 ms

Loss rate: 0.16%

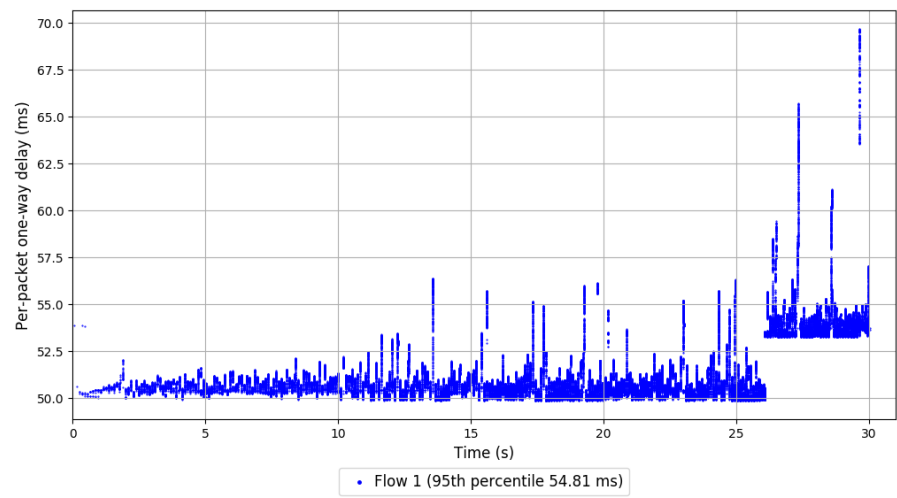
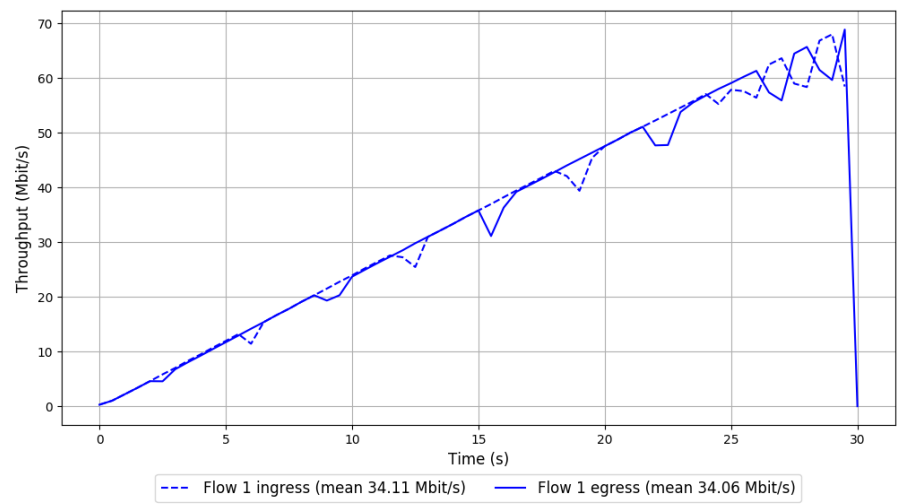
-- Flow 1:

Average throughput: 34.06 Mbit/s

95th percentile per-packet one-way delay: 54.815 ms

Loss rate: 0.16%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-17 16:00:23

End at: 2018-04-17 16:00:53

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 56.317 ms

Loss rate: 0.00%

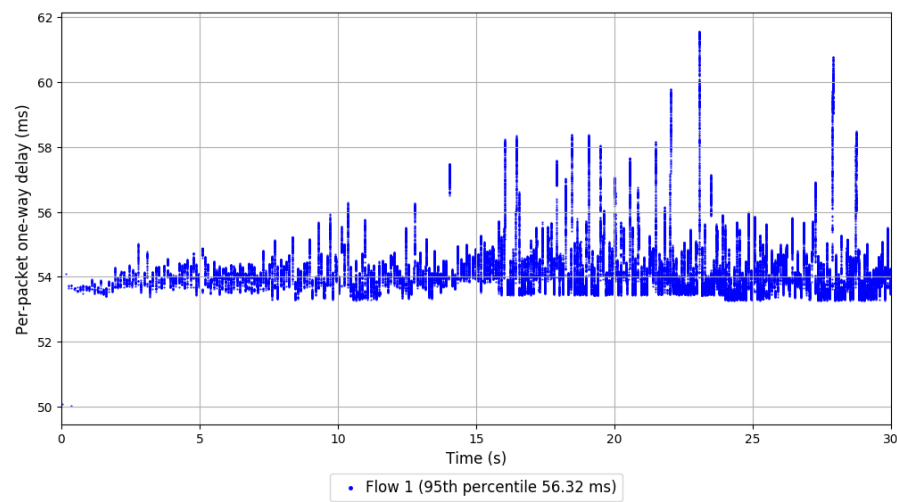
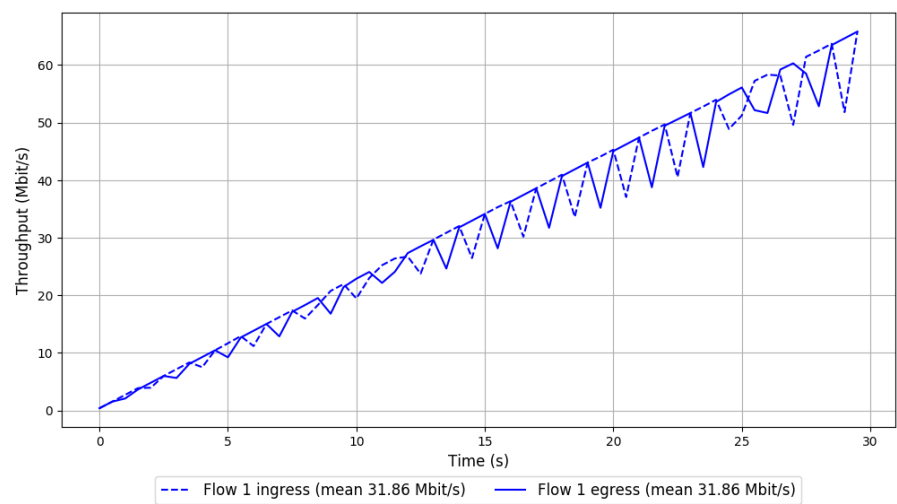
-- Flow 1:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 56.317 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-17 16:13:03

End at: 2018-04-17 16:13:33

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.44 Mbit/s

95th percentile per-packet one-way delay: 55.969 ms

Loss rate: 0.00%

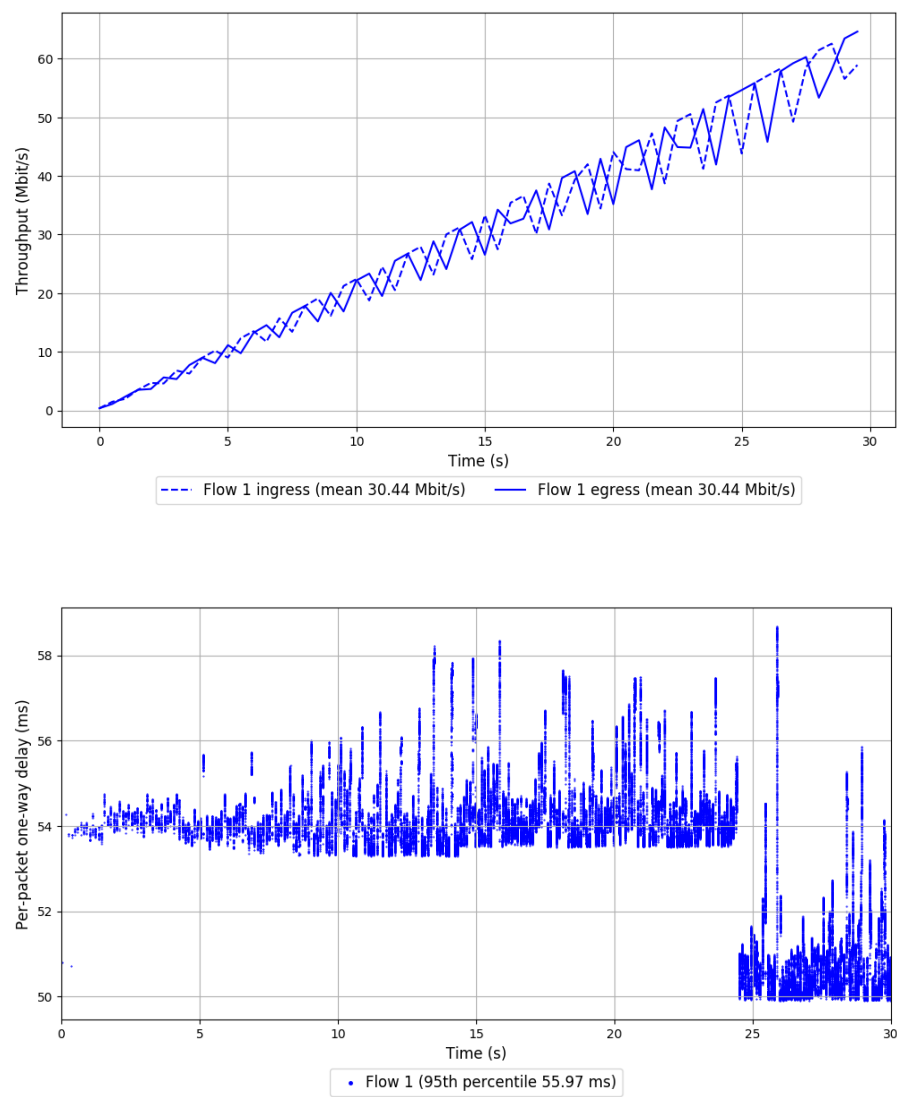
-- Flow 1:

Average throughput: 30.44 Mbit/s

95th percentile per-packet one-way delay: 55.969 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 16:25:55

End at: 2018-04-17 16:26:25

Below is generated by plot.py at 2018-04-17 17:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.37 Mbit/s

95th percentile per-packet one-way delay: 55.507 ms

Loss rate: 0.12%

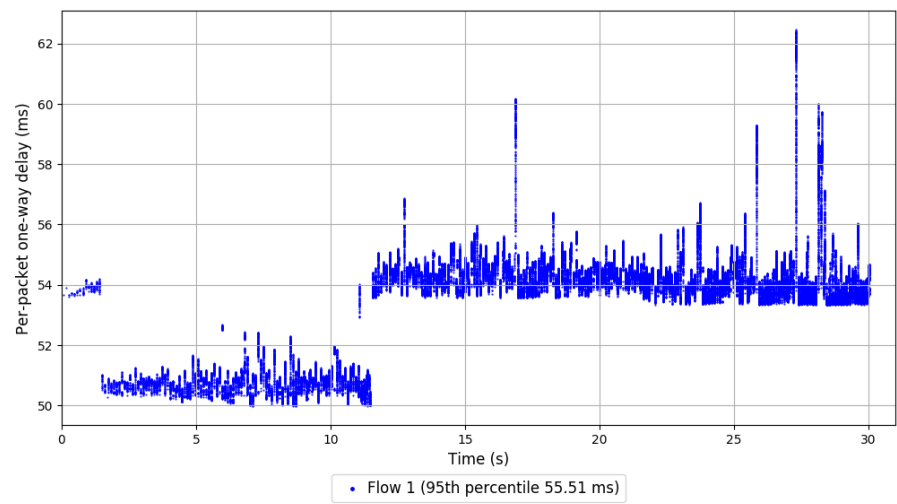
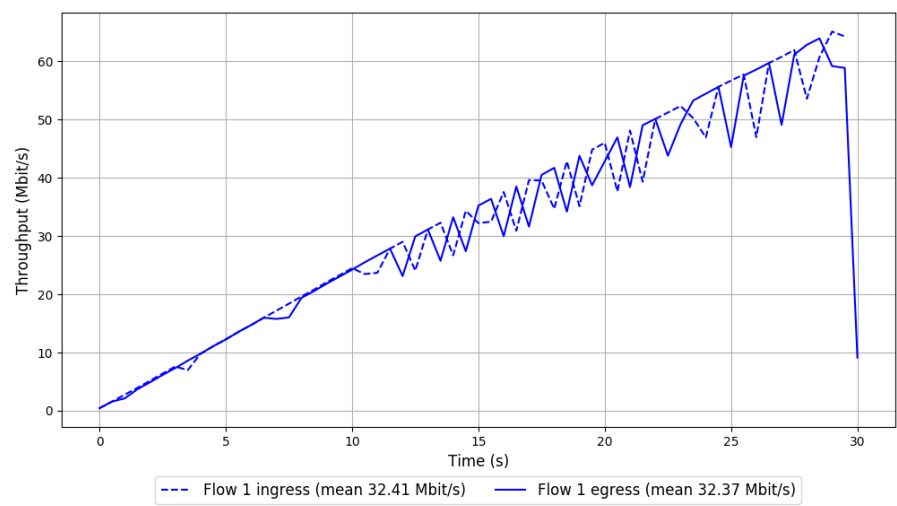
-- Flow 1:

Average throughput: 32.37 Mbit/s

95th percentile per-packet one-way delay: 55.507 ms

Loss rate: 0.12%

Run 10: Report of LEDBAT — Data Link

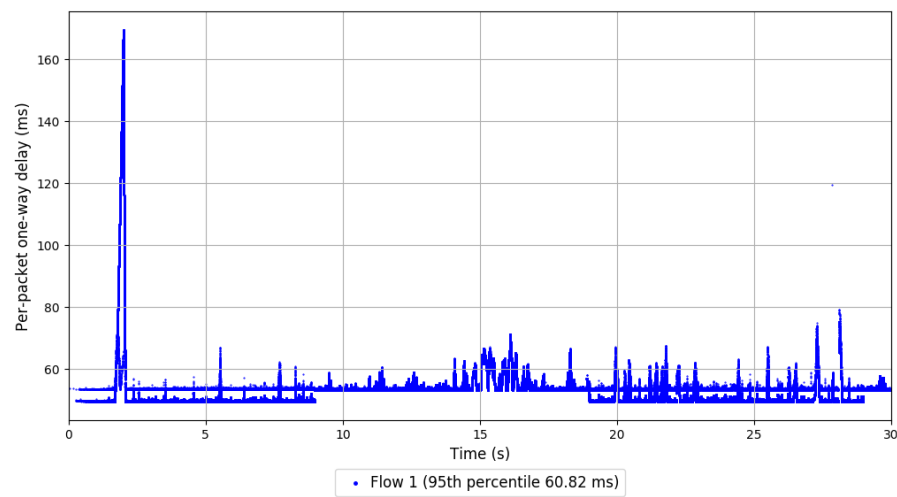
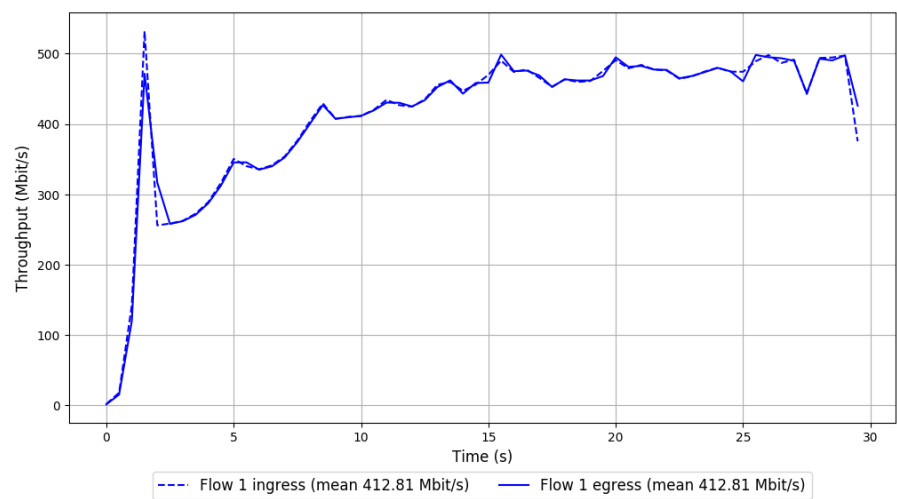


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 14:32:08
End at: 2018-04-17 14:32:38

# Below is generated by plot.py at 2018-04-17 17:56:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.81 Mbit/s
95th percentile per-packet one-way delay: 60.819 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 412.81 Mbit/s
95th percentile per-packet one-way delay: 60.819 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 14:44:53

End at: 2018-04-17 14:45:23

Below is generated by plot.py at 2018-04-17 17:58:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.64 Mbit/s

95th percentile per-packet one-way delay: 102.982 ms

Loss rate: 1.20%

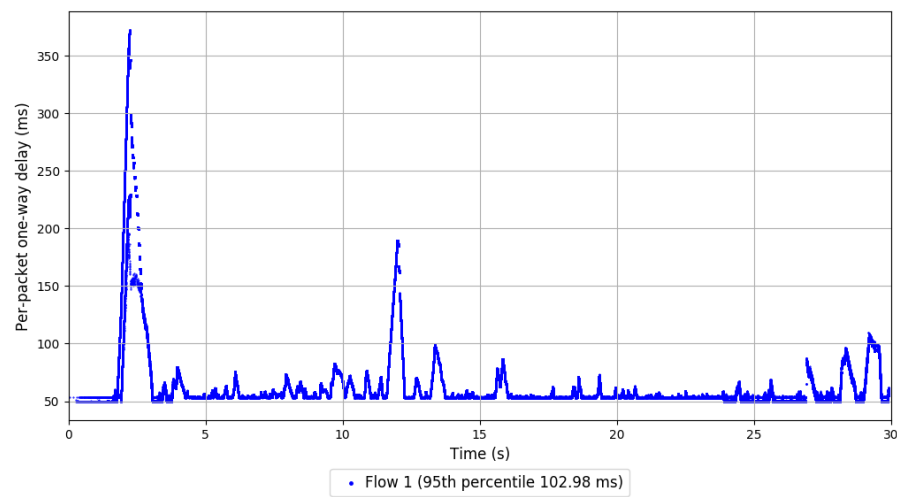
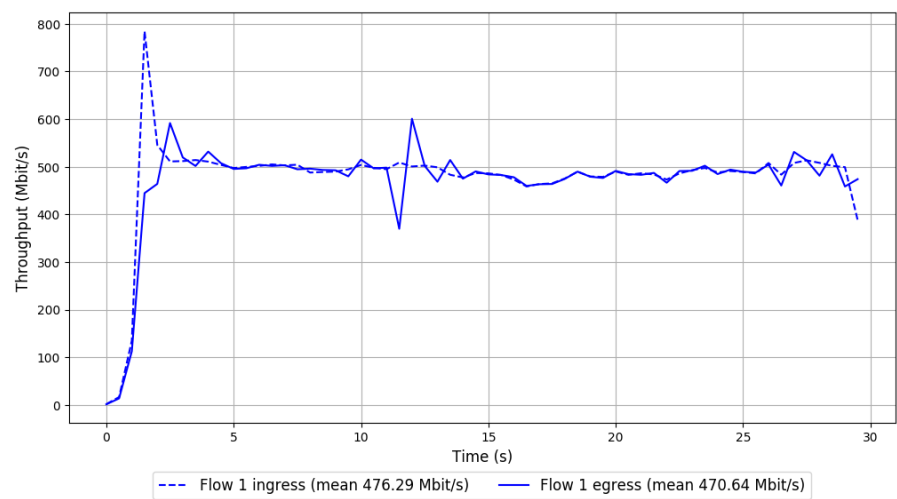
-- Flow 1:

Average throughput: 470.64 Mbit/s

95th percentile per-packet one-way delay: 102.982 ms

Loss rate: 1.20%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 14:57:32

End at: 2018-04-17 14:58:02

Below is generated by plot.py at 2018-04-17 17:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.71 Mbit/s

95th percentile per-packet one-way delay: 151.016 ms

Loss rate: 1.10%

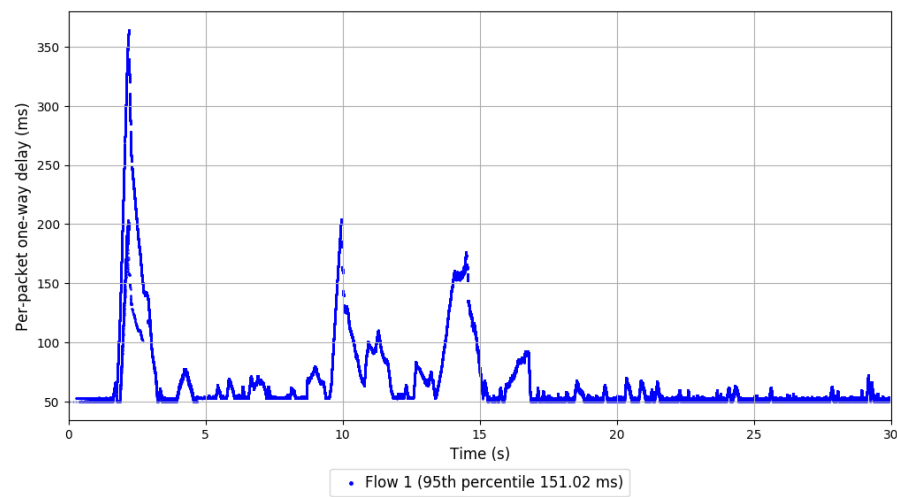
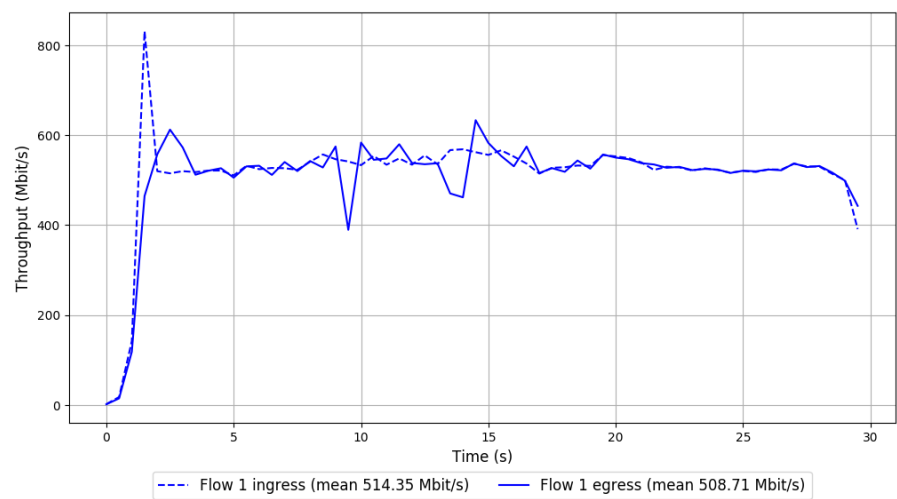
-- Flow 1:

Average throughput: 508.71 Mbit/s

95th percentile per-packet one-way delay: 151.016 ms

Loss rate: 1.10%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 15:10:25

End at: 2018-04-17 15:10:55

Below is generated by plot.py at 2018-04-17 17:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.40 Mbit/s

95th percentile per-packet one-way delay: 130.382 ms

Loss rate: 0.20%

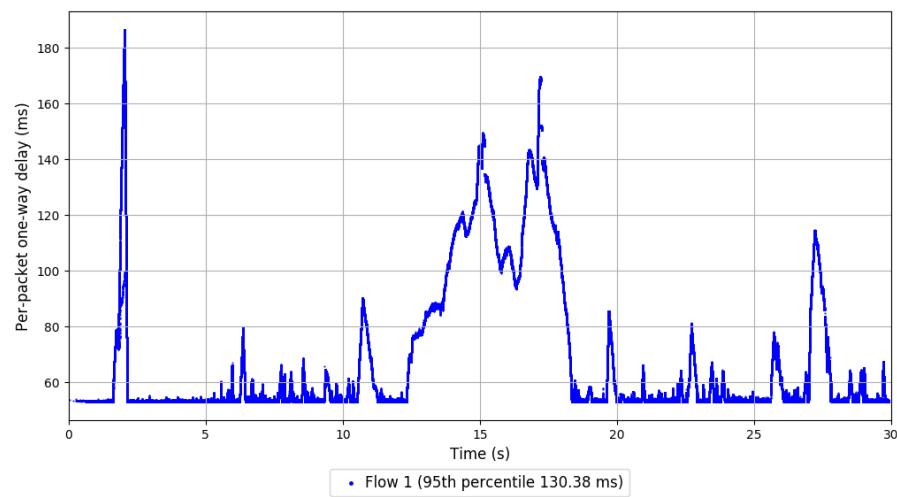
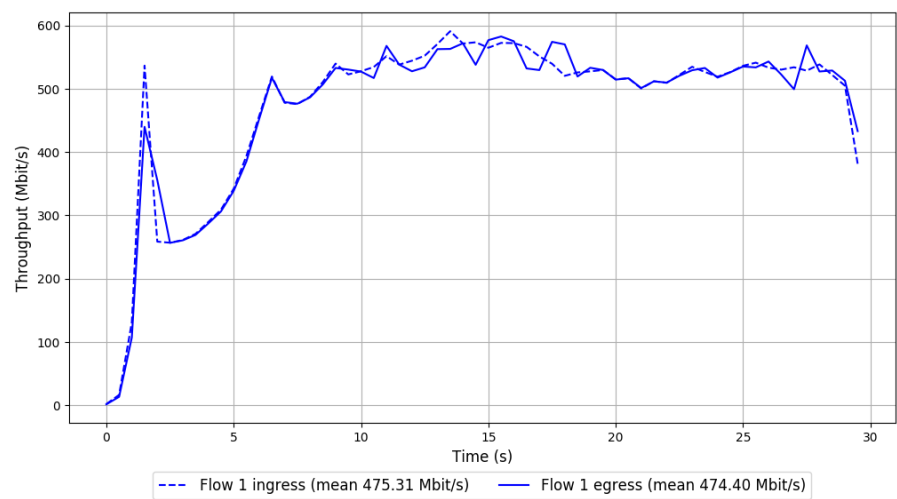
-- Flow 1:

Average throughput: 474.40 Mbit/s

95th percentile per-packet one-way delay: 130.382 ms

Loss rate: 0.20%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 15:23:22

End at: 2018-04-17 15:23:52

Below is generated by plot.py at 2018-04-17 17:59:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.85 Mbit/s

95th percentile per-packet one-way delay: 139.880 ms

Loss rate: 1.19%

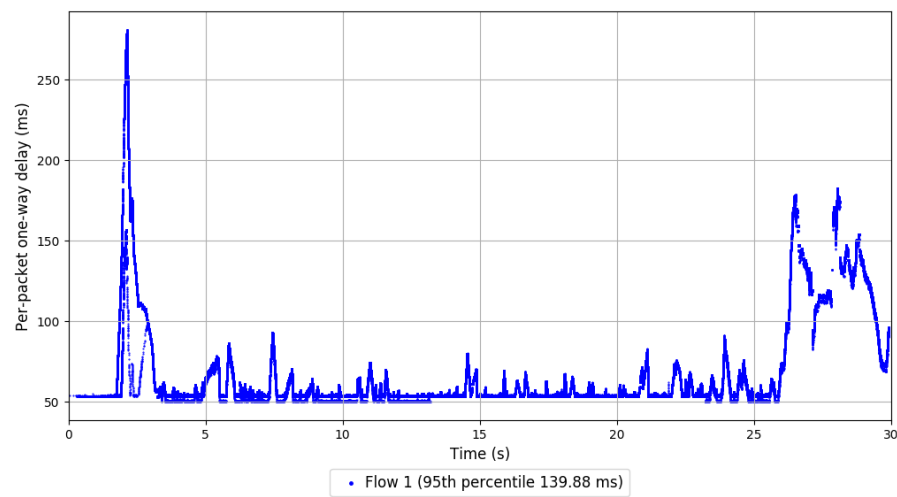
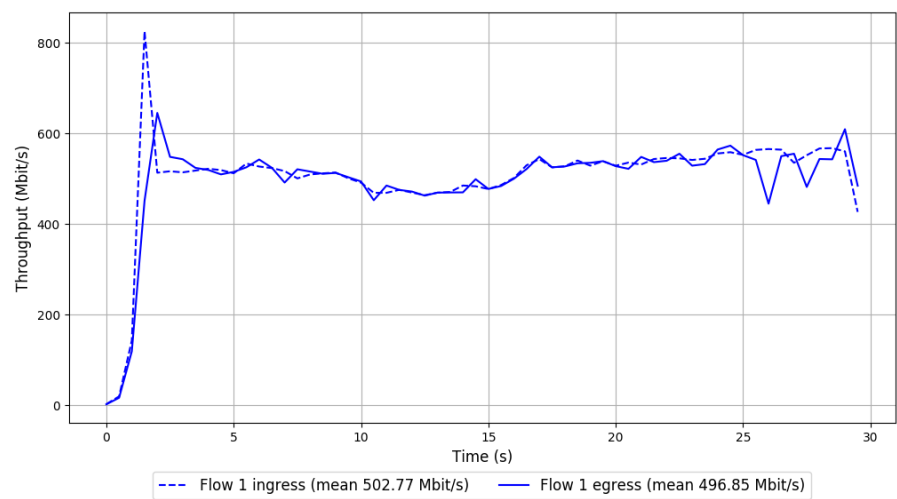
-- Flow 1:

Average throughput: 496.85 Mbit/s

95th percentile per-packet one-way delay: 139.880 ms

Loss rate: 1.19%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 15:36:00

End at: 2018-04-17 15:36:30

Below is generated by plot.py at 2018-04-17 17:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.21 Mbit/s

95th percentile per-packet one-way delay: 111.542 ms

Loss rate: 0.45%

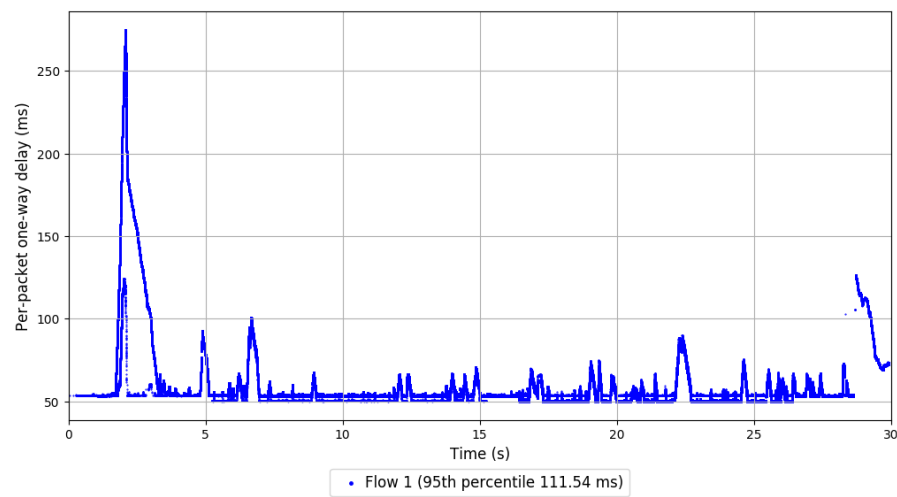
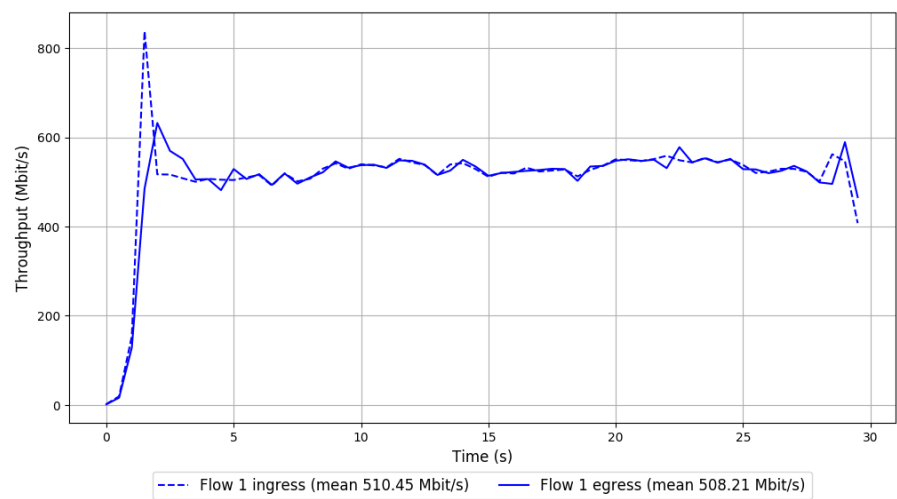
-- Flow 1:

Average throughput: 508.21 Mbit/s

95th percentile per-packet one-way delay: 111.542 ms

Loss rate: 0.45%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 15:48:48

End at: 2018-04-17 15:49:18

Below is generated by plot.py at 2018-04-17 17:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 483.79 Mbit/s

95th percentile per-packet one-way delay: 110.176 ms

Loss rate: 0.32%

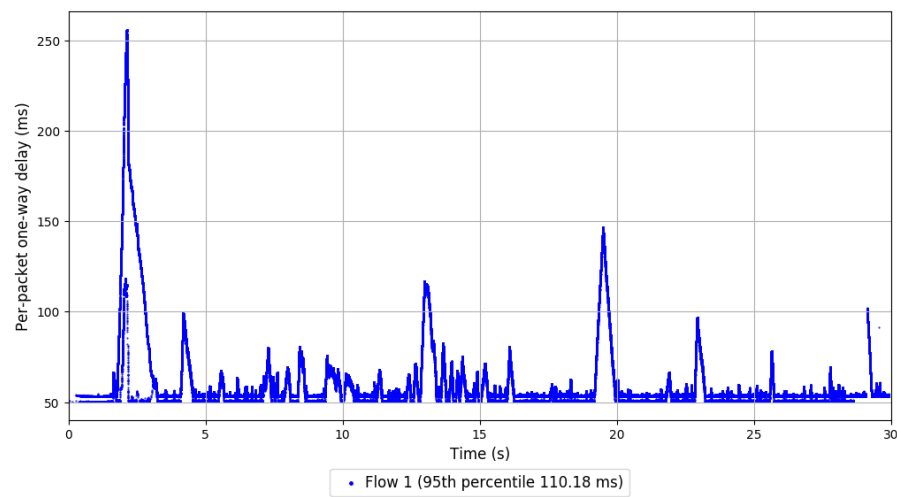
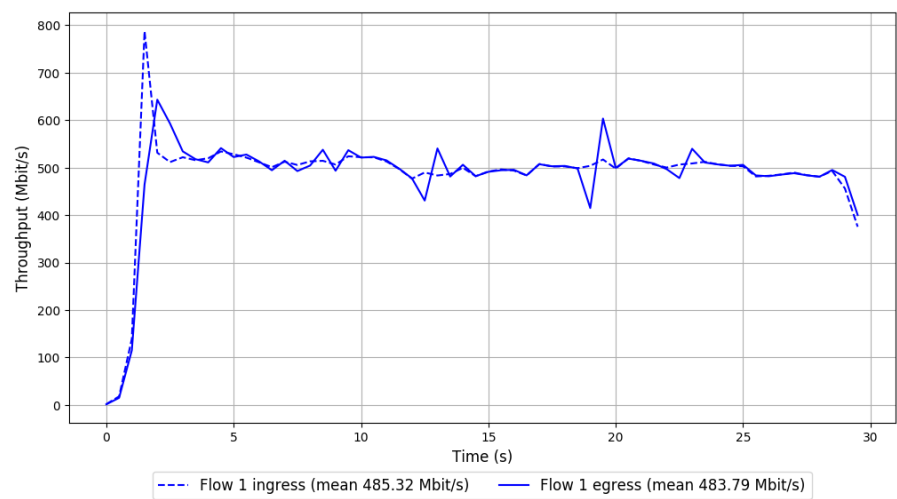
-- Flow 1:

Average throughput: 483.79 Mbit/s

95th percentile per-packet one-way delay: 110.176 ms

Loss rate: 0.32%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 16:01:40

End at: 2018-04-17 16:02:10

Below is generated by plot.py at 2018-04-17 17:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 438.27 Mbit/s

95th percentile per-packet one-way delay: 68.643 ms

Loss rate: 0.44%

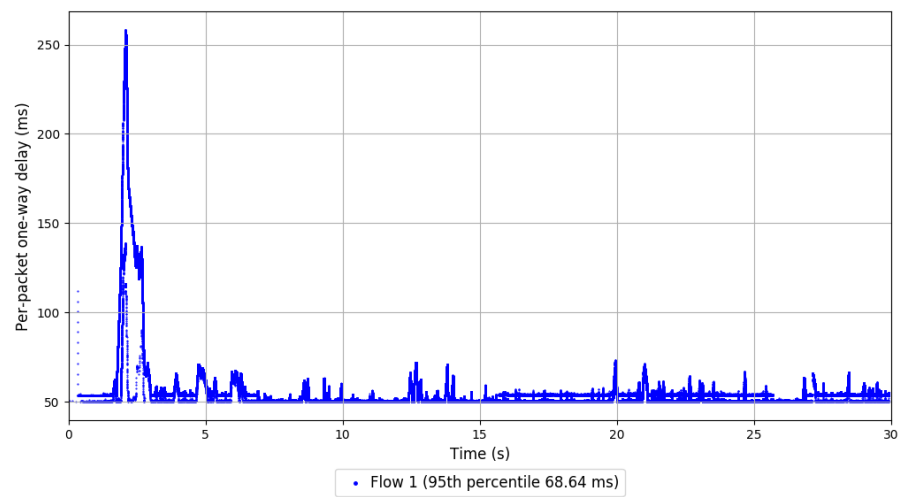
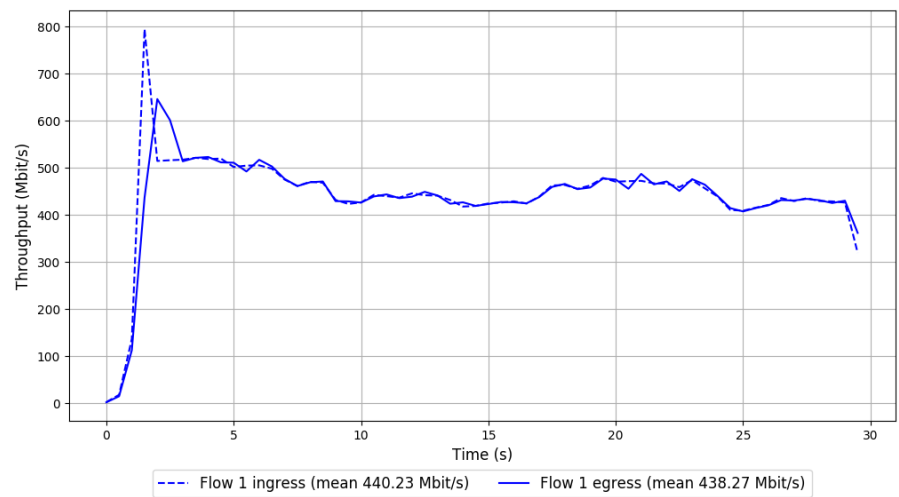
-- Flow 1:

Average throughput: 438.27 Mbit/s

95th percentile per-packet one-way delay: 68.643 ms

Loss rate: 0.44%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 16:14:22

End at: 2018-04-17 16:14:52

Below is generated by plot.py at 2018-04-17 18:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 432.87 Mbit/s

95th percentile per-packet one-way delay: 157.596 ms

Loss rate: 3.24%

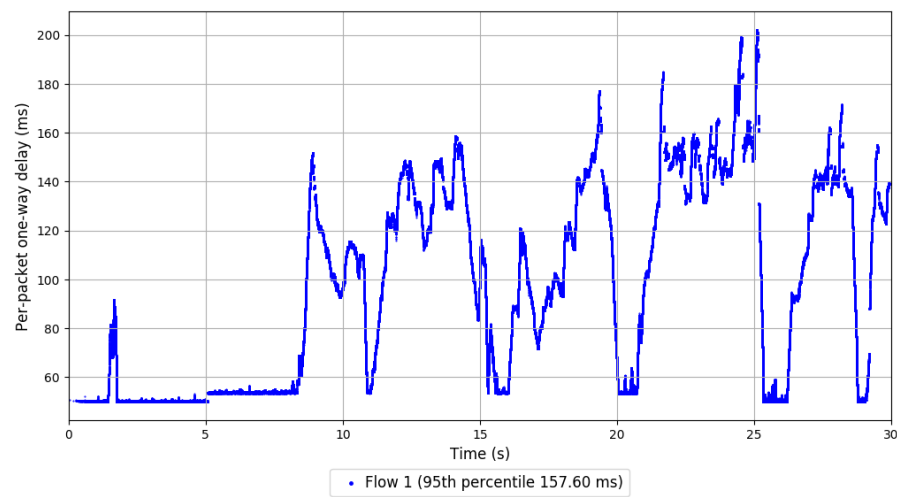
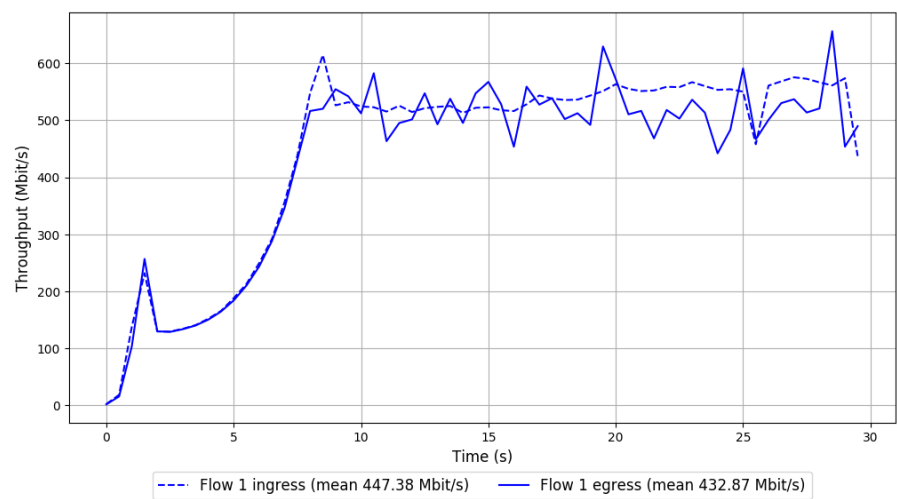
-- Flow 1:

Average throughput: 432.87 Mbit/s

95th percentile per-packet one-way delay: 157.596 ms

Loss rate: 3.24%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 16:27:18

End at: 2018-04-17 16:27:48

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 499.89 Mbit/s

95th percentile per-packet one-way delay: 106.115 ms

Loss rate: 0.32%

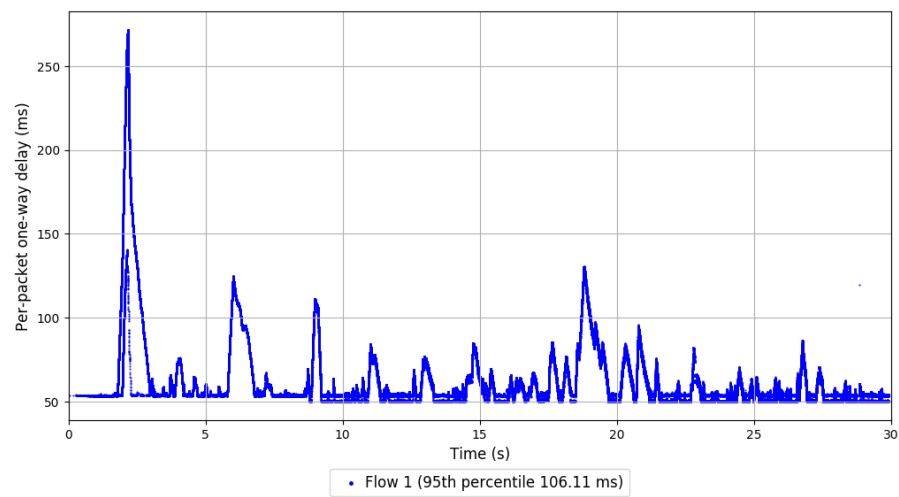
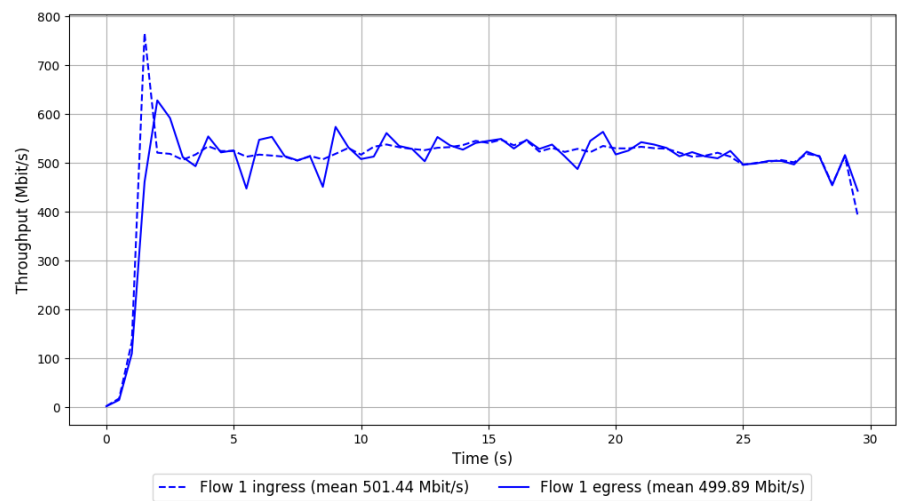
-- Flow 1:

Average throughput: 499.89 Mbit/s

95th percentile per-packet one-way delay: 106.115 ms

Loss rate: 0.32%

Run 10: Report of PCC-Allegro — Data Link

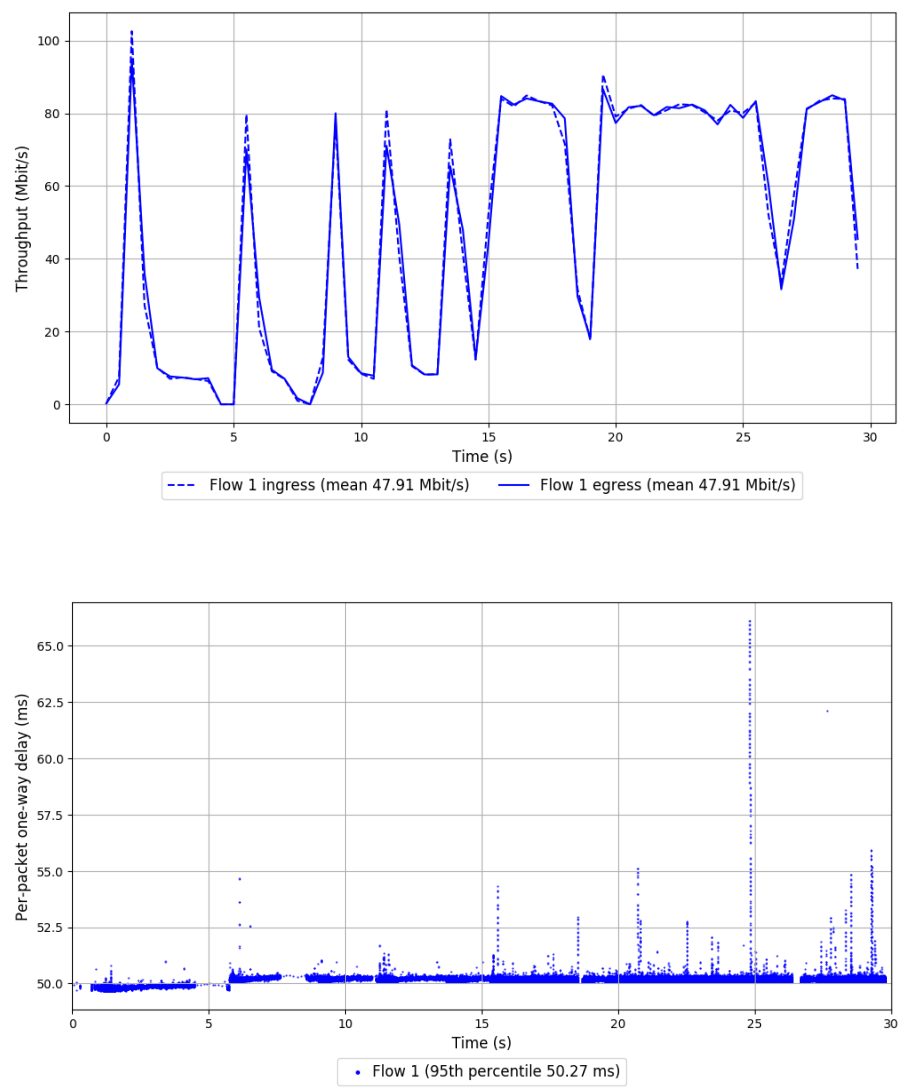


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 14:27:20
End at: 2018-04-17 14:27:50

# Below is generated by plot.py at 2018-04-17 18:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.91 Mbit/s
95th percentile per-packet one-way delay: 50.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.91 Mbit/s
95th percentile per-packet one-way delay: 50.267 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 14:40:11

End at: 2018-04-17 14:40:41

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.22 Mbit/s

95th percentile per-packet one-way delay: 50.209 ms

Loss rate: 0.00%

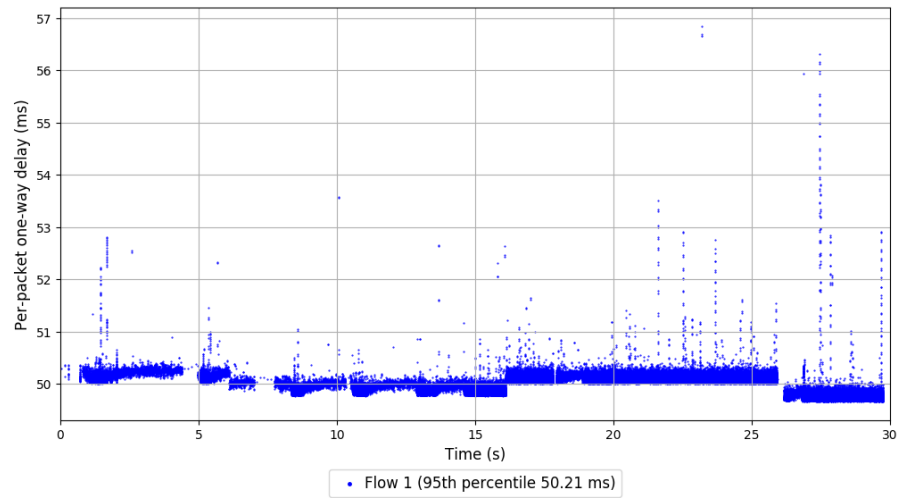
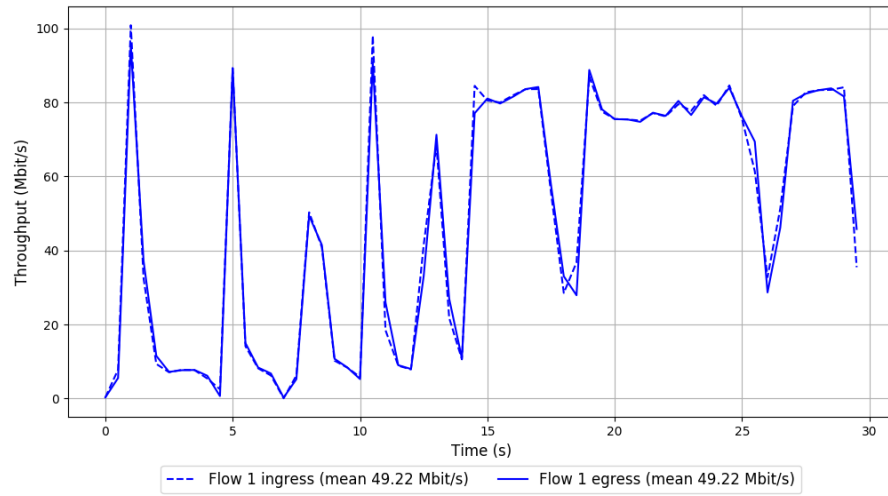
-- Flow 1:

Average throughput: 49.22 Mbit/s

95th percentile per-packet one-way delay: 50.209 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 14:52:54

End at: 2018-04-17 14:53:24

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.36 Mbit/s

95th percentile per-packet one-way delay: 52.859 ms

Loss rate: 0.01%

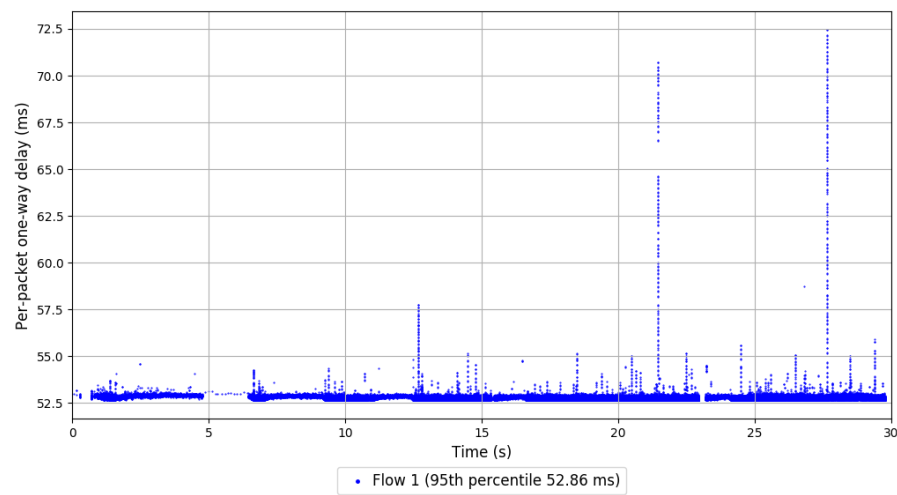
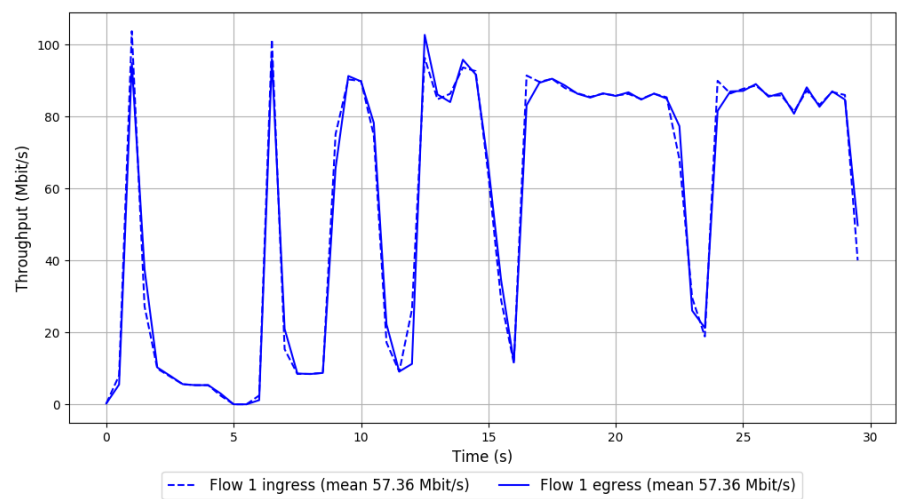
-- Flow 1:

Average throughput: 57.36 Mbit/s

95th percentile per-packet one-way delay: 52.859 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 15:05:40

End at: 2018-04-17 15:06:10

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.26 Mbit/s

95th percentile per-packet one-way delay: 53.280 ms

Loss rate: 0.02%

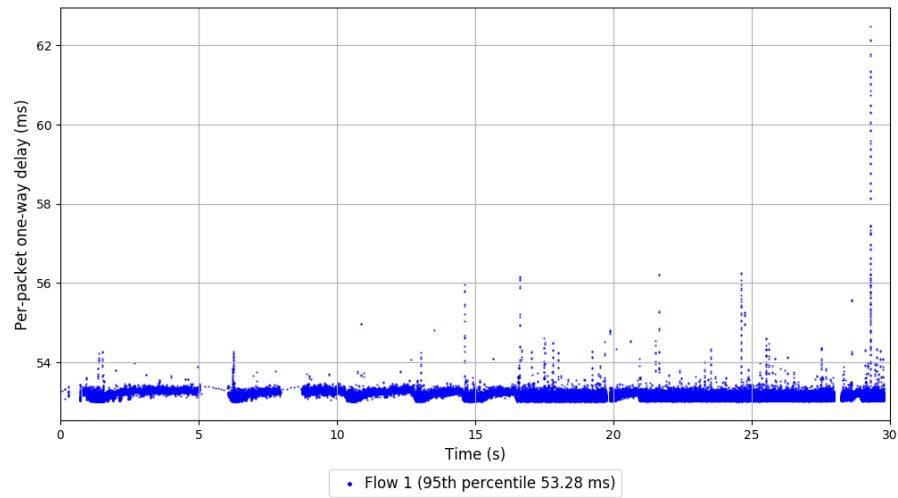
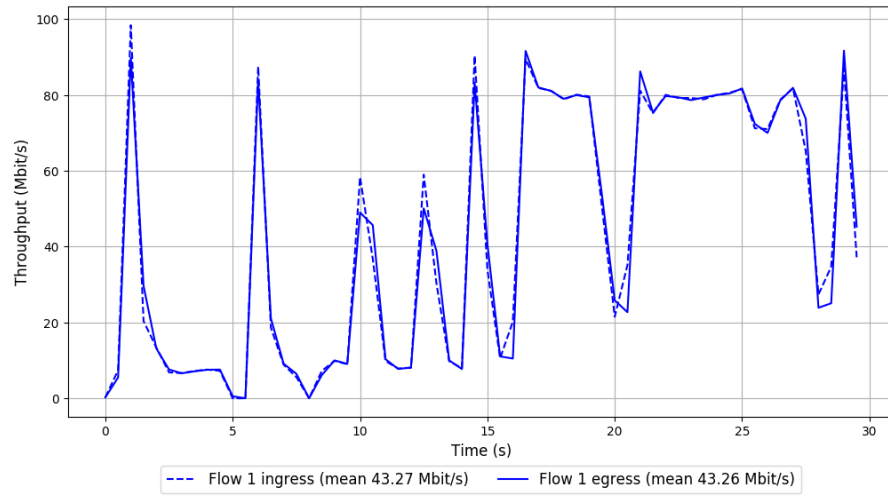
-- Flow 1:

Average throughput: 43.26 Mbit/s

95th percentile per-packet one-way delay: 53.280 ms

Loss rate: 0.02%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 15:18:29

End at: 2018-04-17 15:18:59

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.15 Mbit/s

95th percentile per-packet one-way delay: 53.418 ms

Loss rate: 0.00%

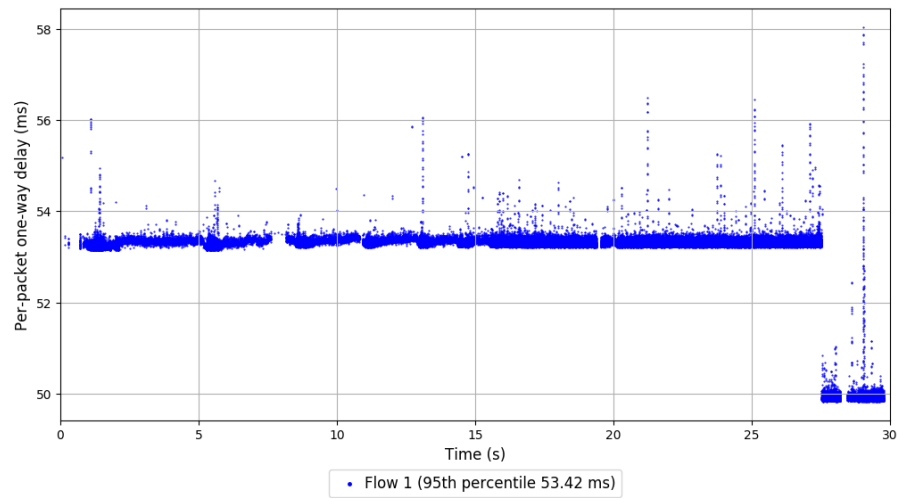
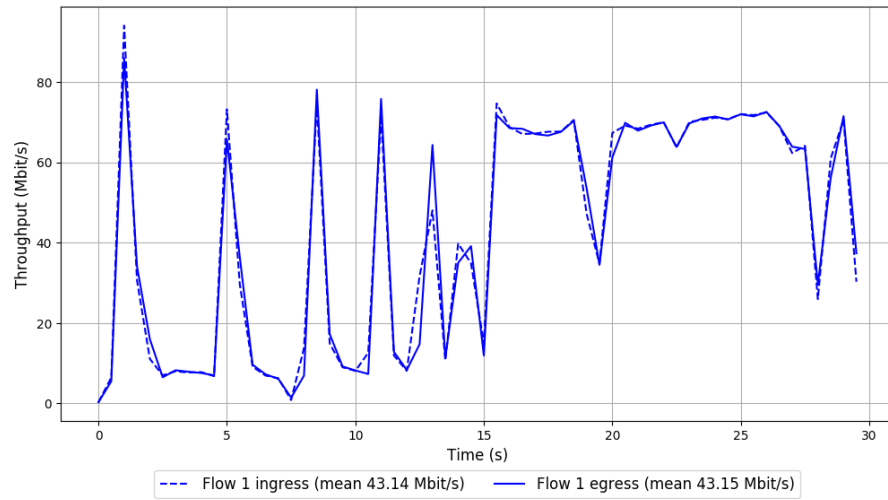
-- Flow 1:

Average throughput: 43.15 Mbit/s

95th percentile per-packet one-way delay: 53.418 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 15:31:23

End at: 2018-04-17 15:31:53

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.46 Mbit/s

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

Loss rate: 0.02%

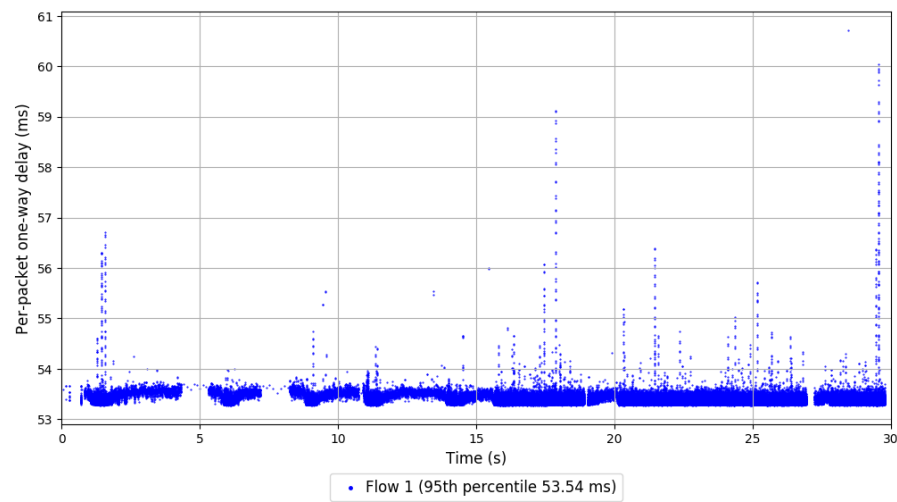
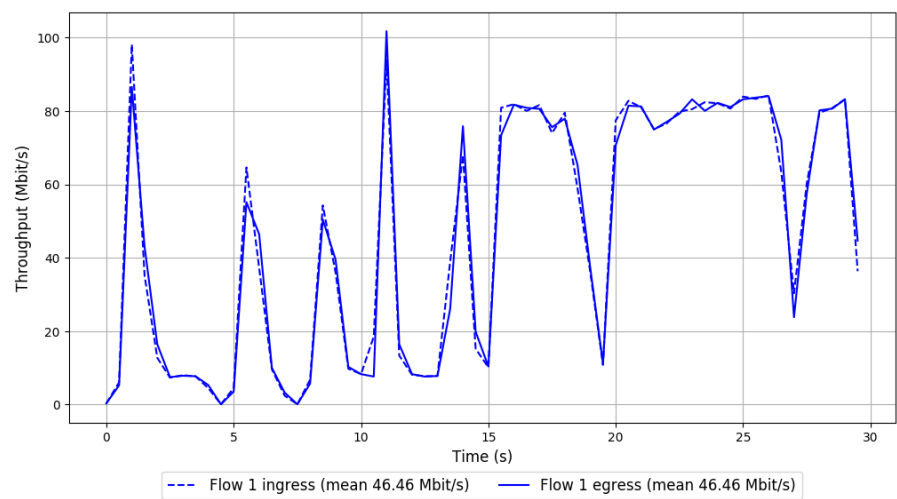
-- Flow 1:

Average throughput: 46.46 Mbit/s

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

Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 15:44:07

End at: 2018-04-17 15:44:37

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.39 Mbit/s

95th percentile per-packet one-way delay: 53.642 ms

Loss rate: 0.01%

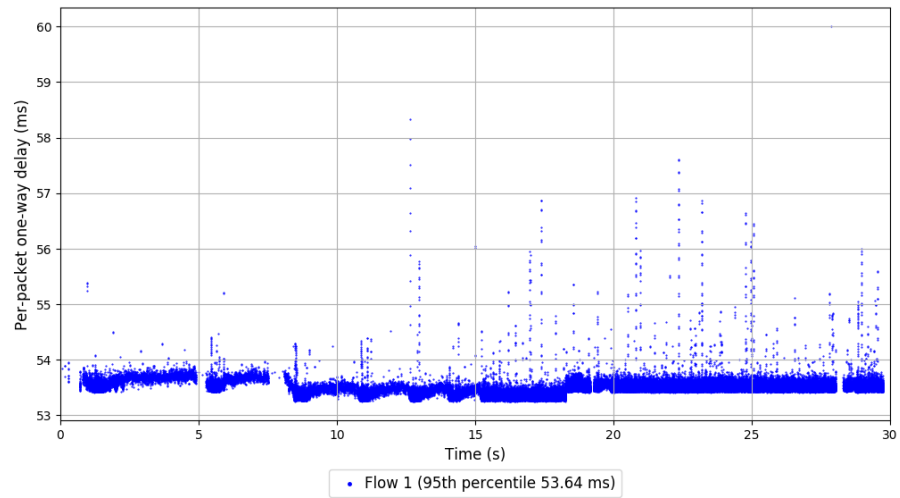
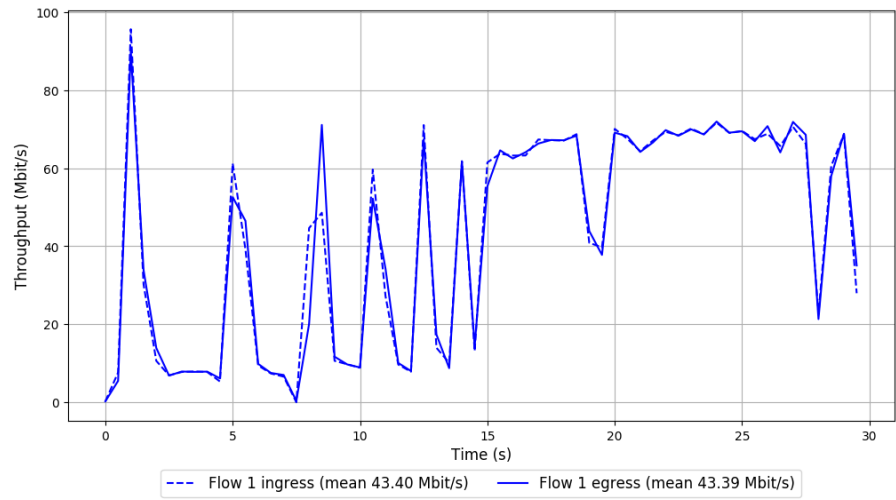
-- Flow 1:

Average throughput: 43.39 Mbit/s

95th percentile per-packet one-way delay: 53.642 ms

Loss rate: 0.01%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 15:56:57

End at: 2018-04-17 15:57:27

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.71 Mbit/s

95th percentile per-packet one-way delay: 53.437 ms

Loss rate: 0.00%

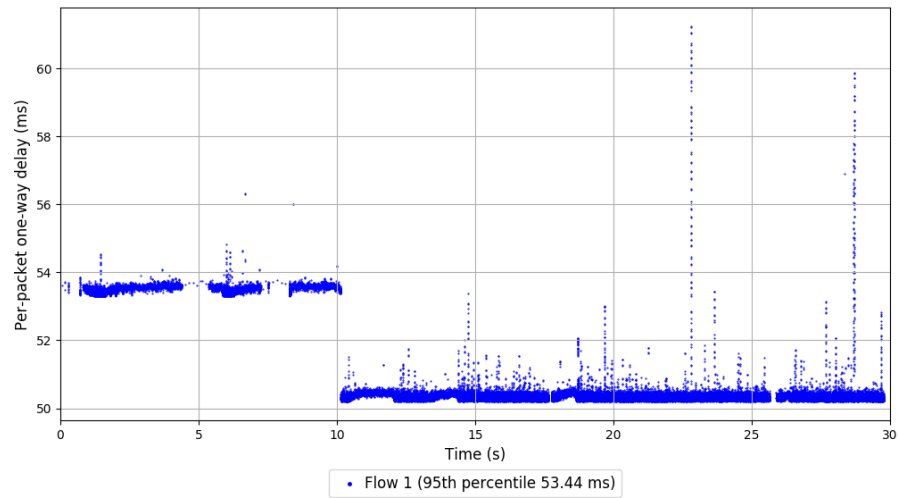
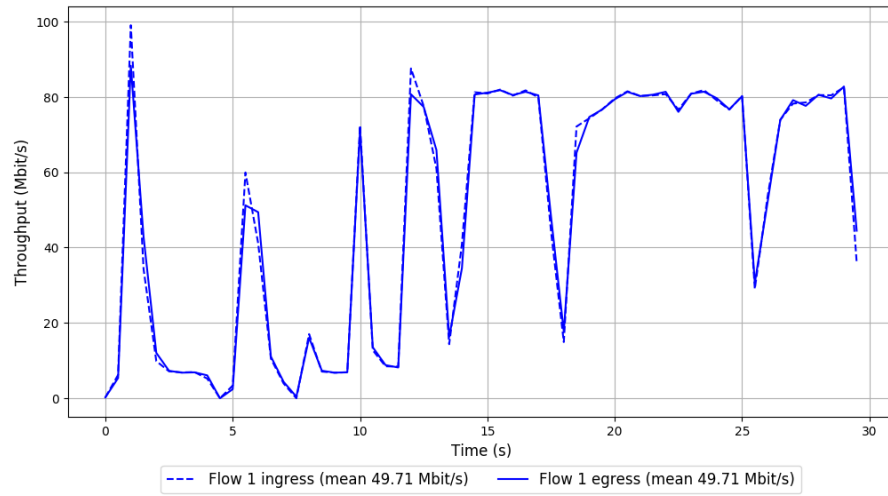
-- Flow 1:

Average throughput: 49.71 Mbit/s

95th percentile per-packet one-way delay: 53.437 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 16:09:42

End at: 2018-04-17 16:10:12

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 53.550 ms

Loss rate: 0.01%

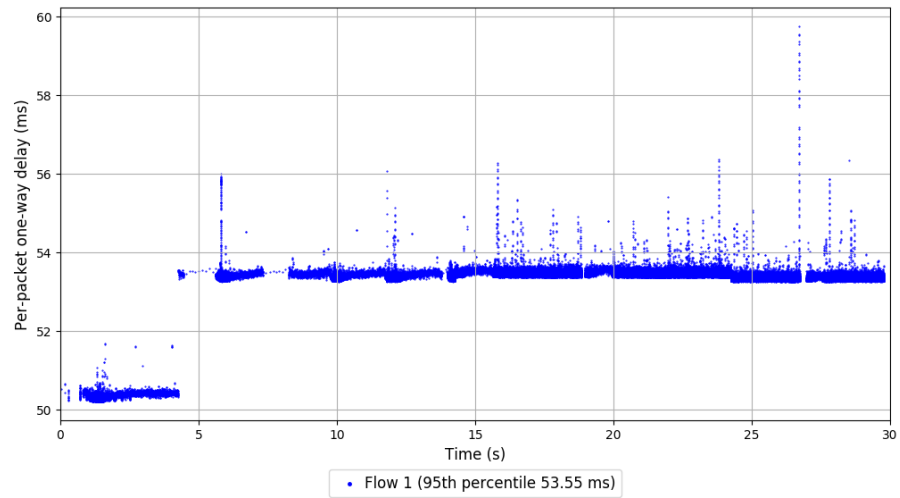
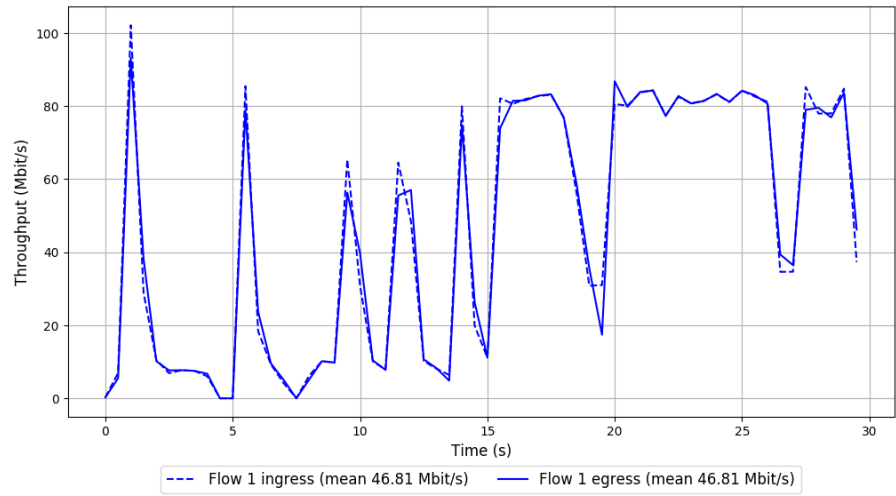
-- Flow 1:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 53.550 ms

Loss rate: 0.01%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 16:22:29

End at: 2018-04-17 16:22:59

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 53.619 ms

Loss rate: 0.01%

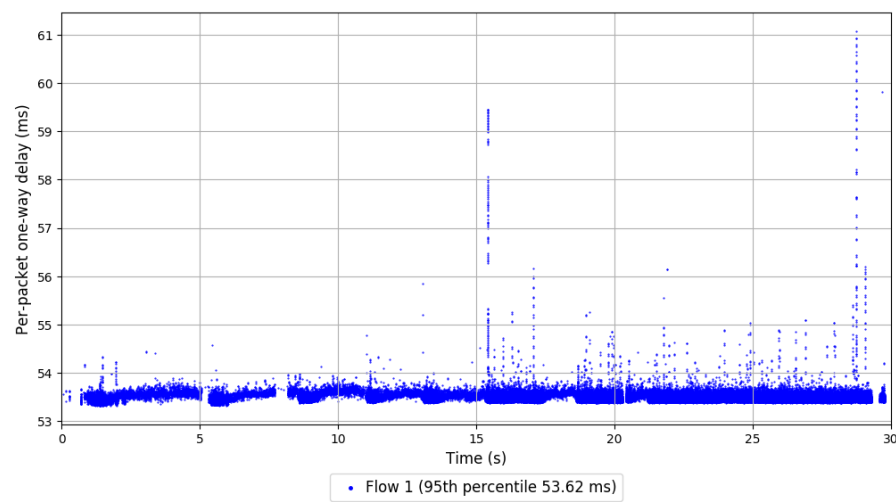
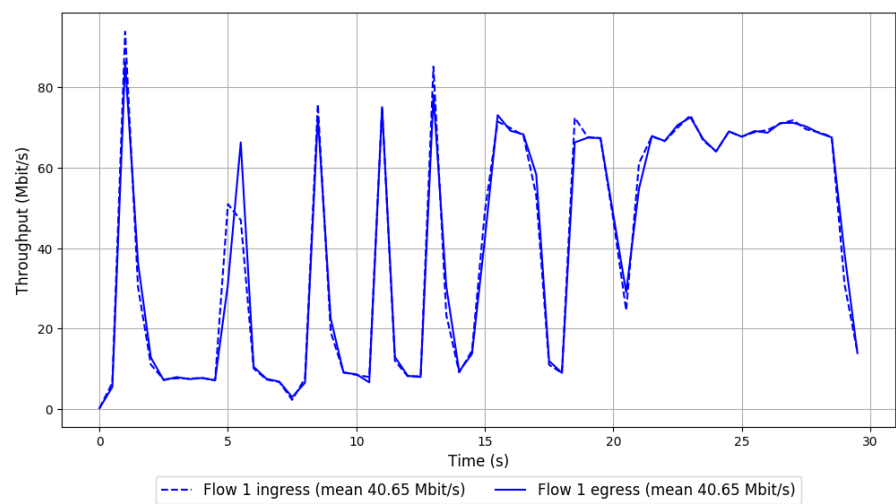
-- Flow 1:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 53.619 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

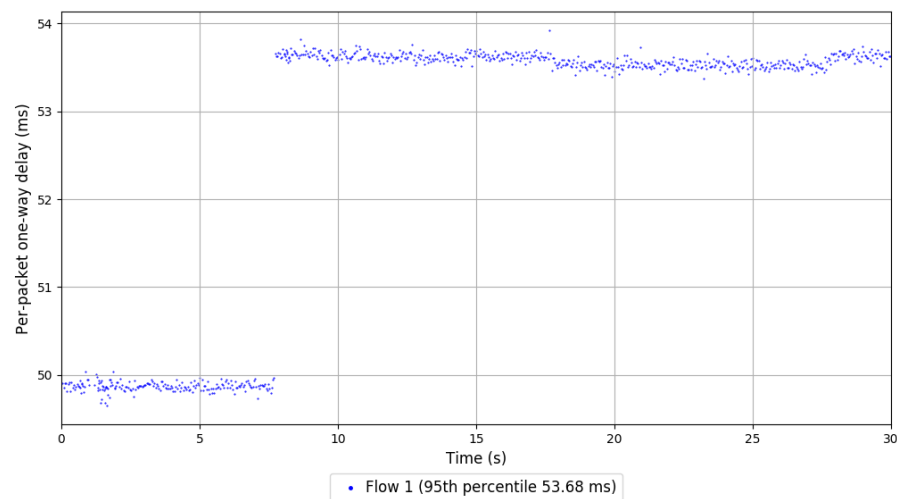
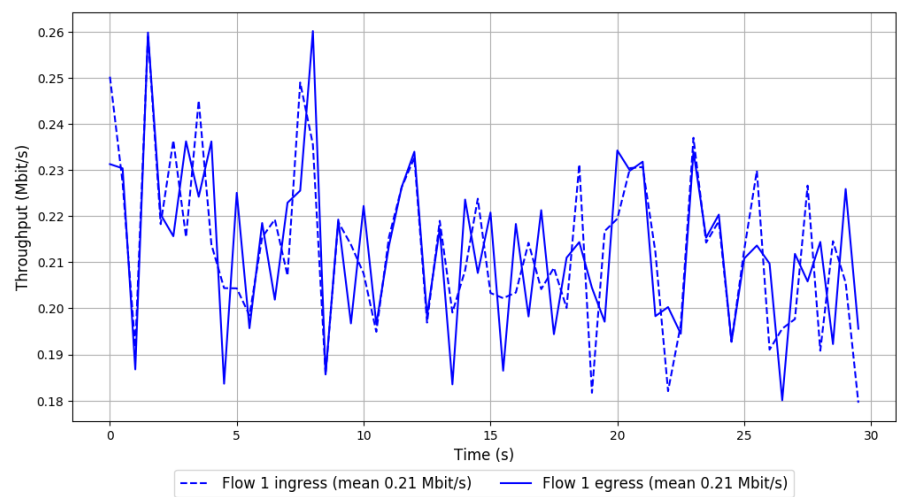


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 14:27:59
End at: 2018-04-17 14:28:29

# Below is generated by plot.py at 2018-04-17 18:06:51
# 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 1: Report of SReAM — Data Link

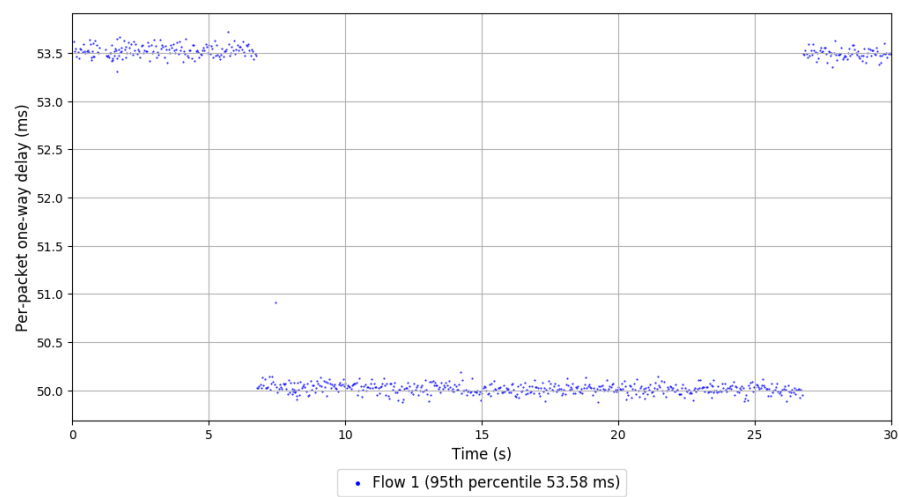
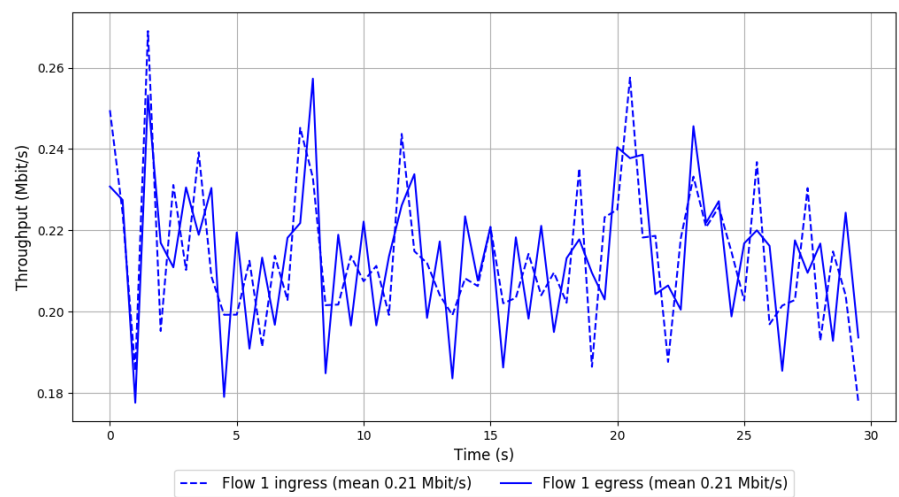


```
Run 2: Statistics of SCReAM

Start at: 2018-04-17 14:40:50
End at: 2018-04-17 14:41:20

# Below is generated by plot.py at 2018-04-17 18:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.582 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-17 14:53:34

End at: 2018-04-17 14:54:04

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.867 ms

Loss rate: 0.00%

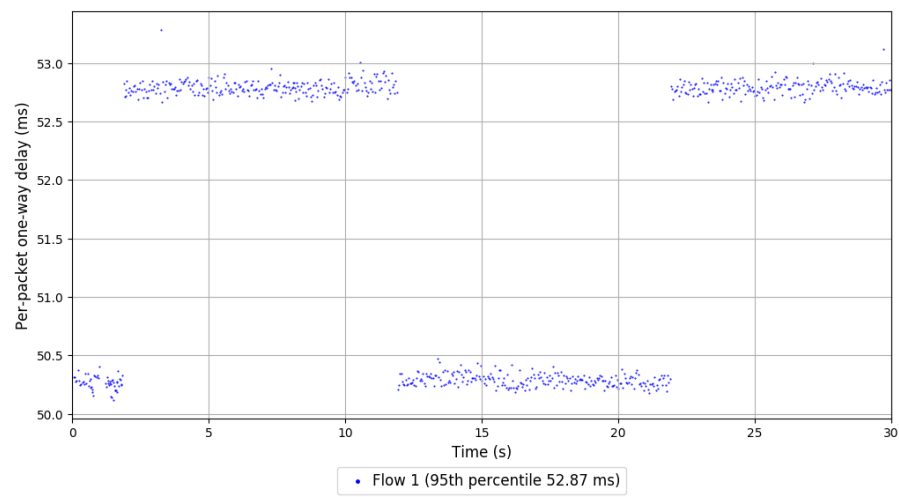
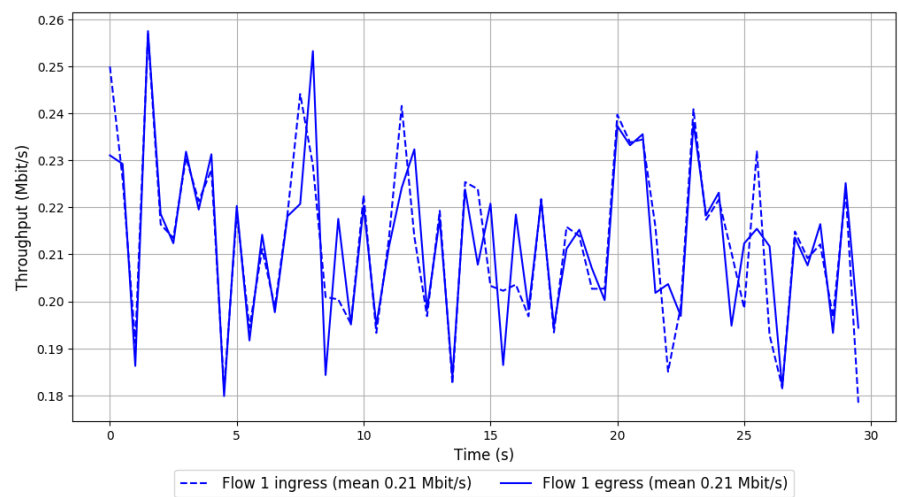
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.867 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-17 15:06:19

End at: 2018-04-17 15:06:49

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.317 ms

Loss rate: 0.00%

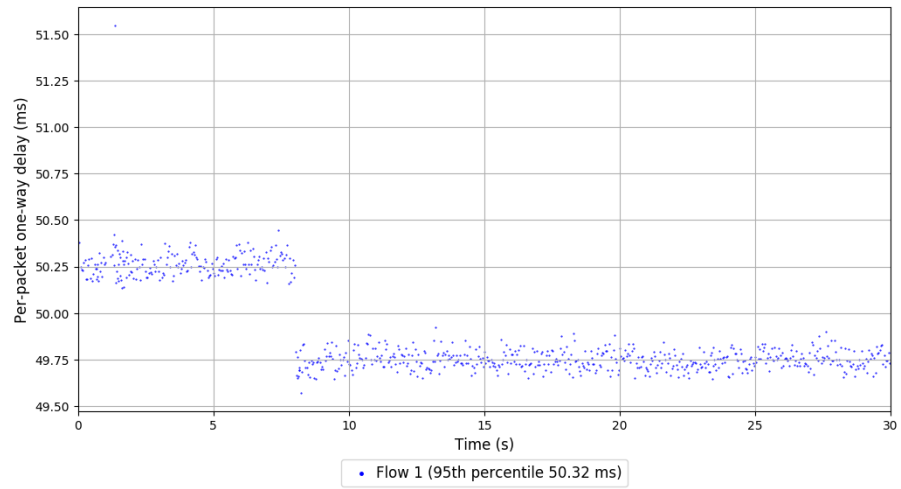
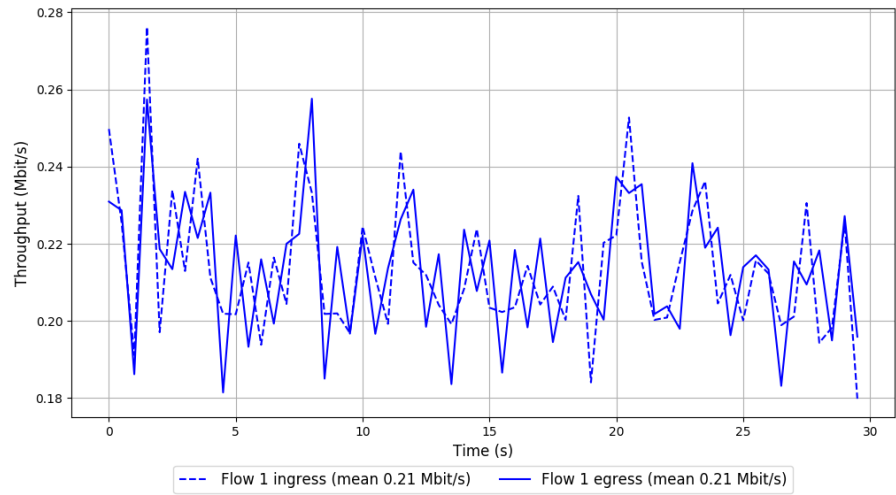
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.317 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 15:19:08

End at: 2018-04-17 15:19:38

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.778 ms

Loss rate: 0.00%

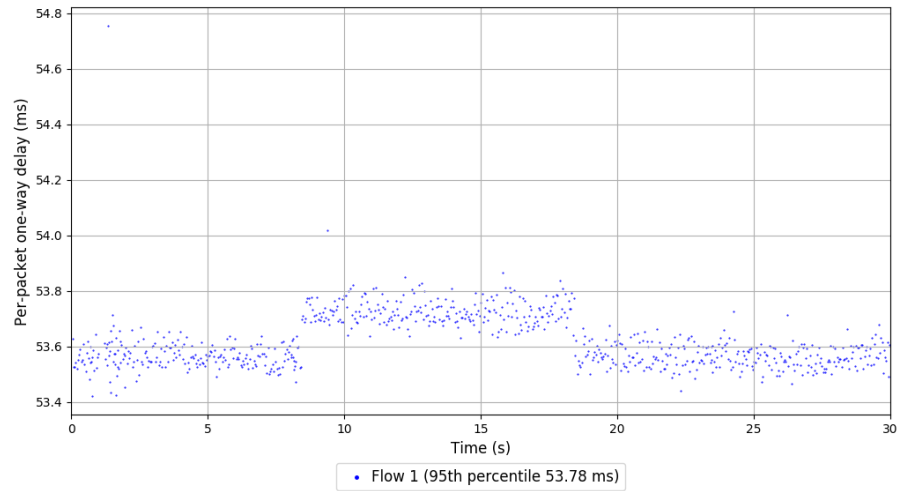
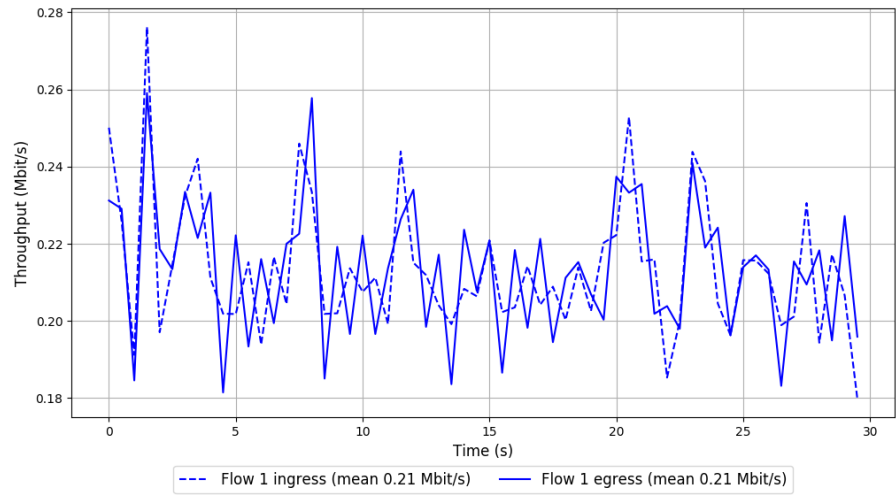
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.778 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 15:32:02

End at: 2018-04-17 15:32:32

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.188 ms

Loss rate: 0.00%

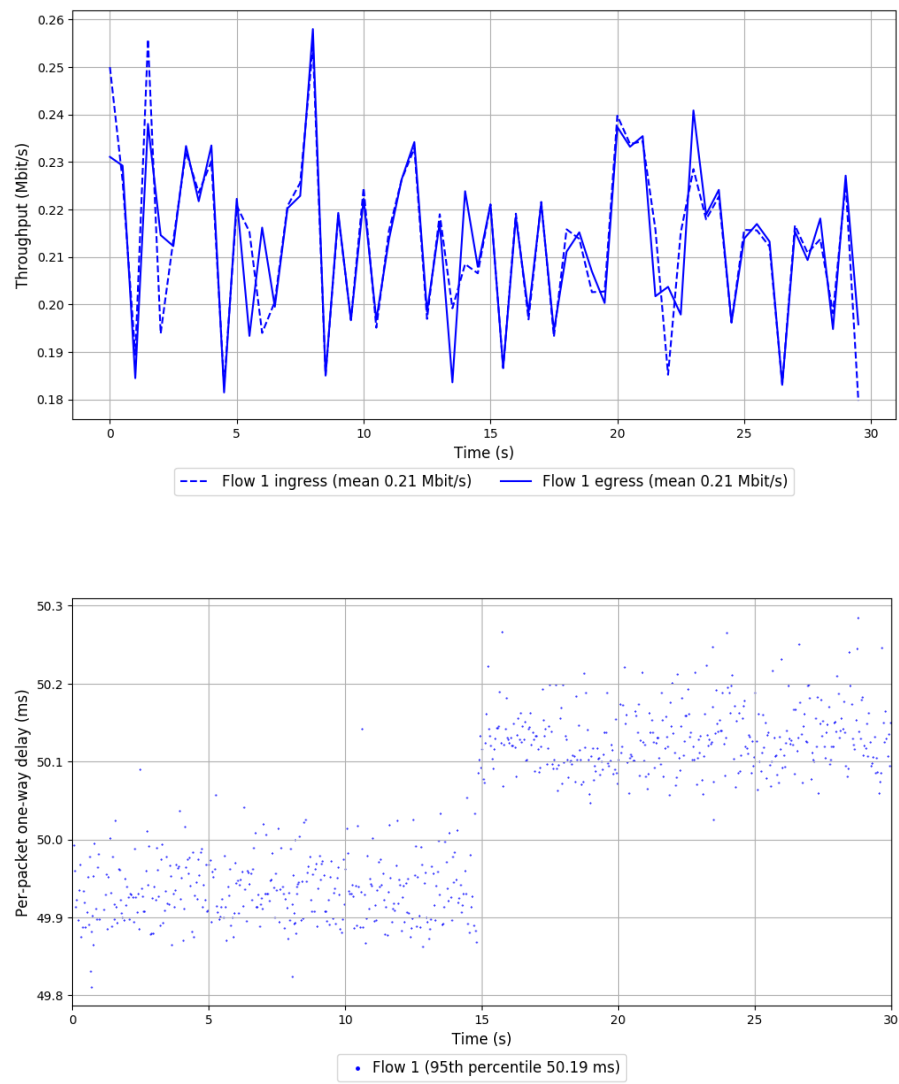
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.188 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-17 15:44:46

End at: 2018-04-17 15:45:16

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.650 ms

Loss rate: 0.00%

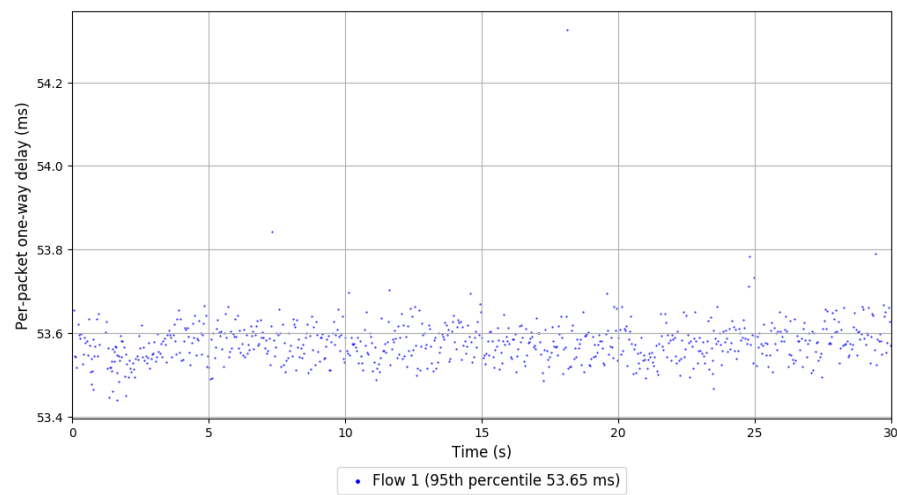
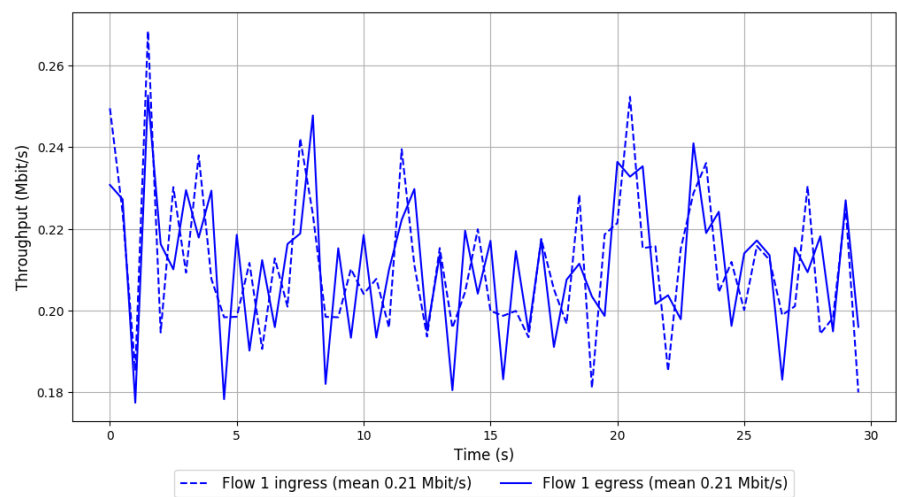
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.650 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-17 15:57:36

End at: 2018-04-17 15:58:06

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.650 ms

Loss rate: 0.00%

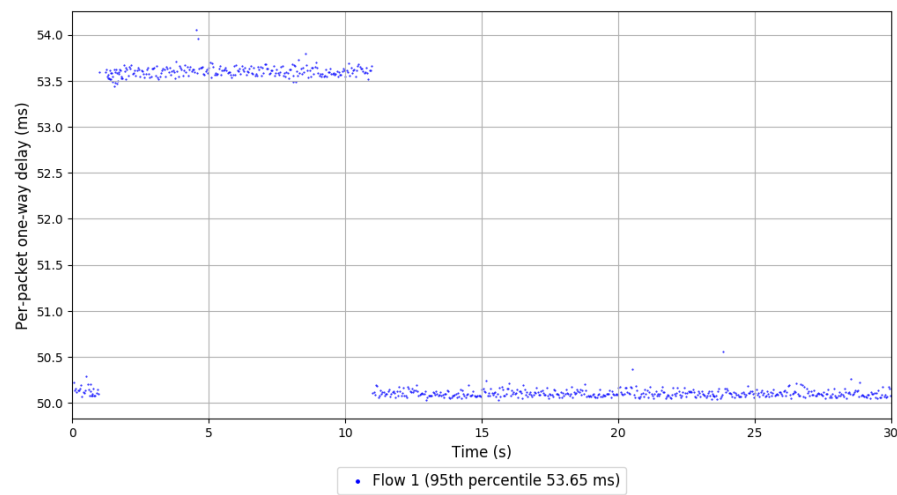
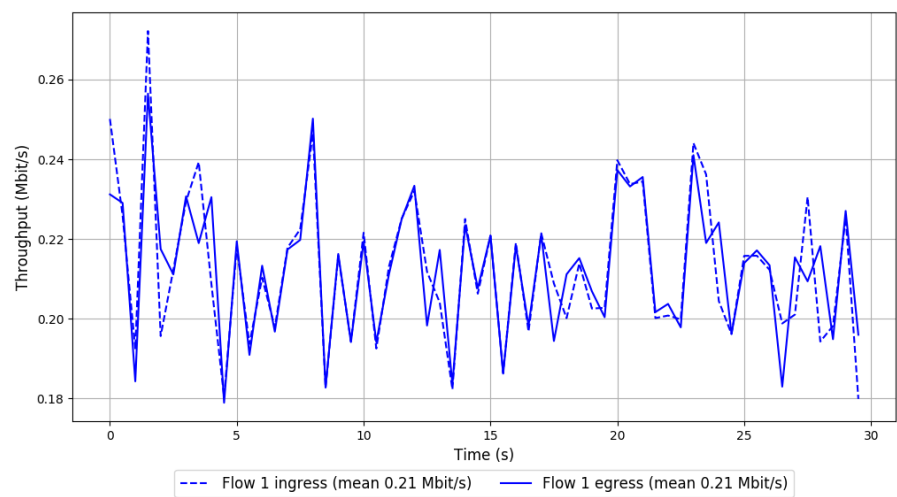
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.650 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 16:10:22

End at: 2018-04-17 16:10:52

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.766 ms

Loss rate: 0.00%

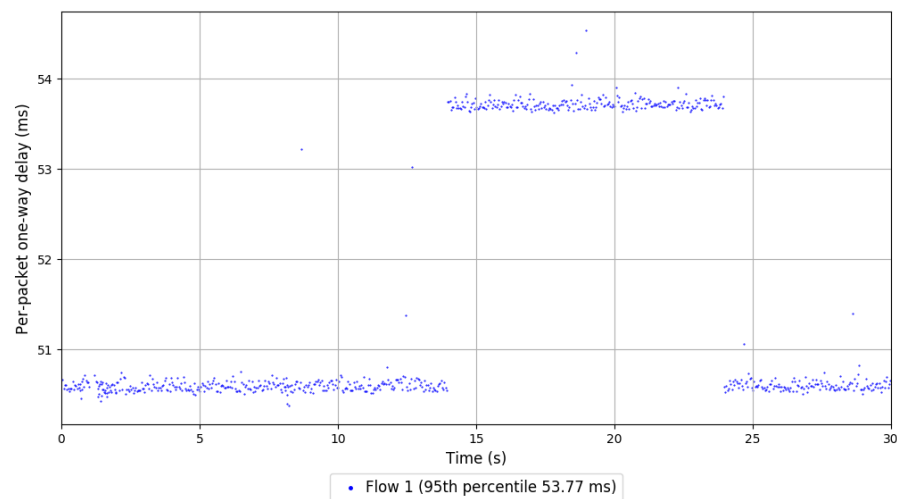
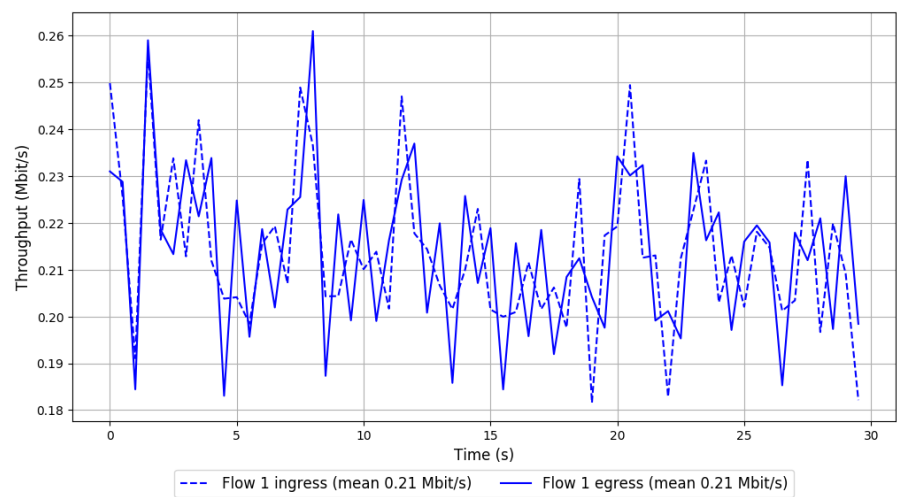
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.766 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

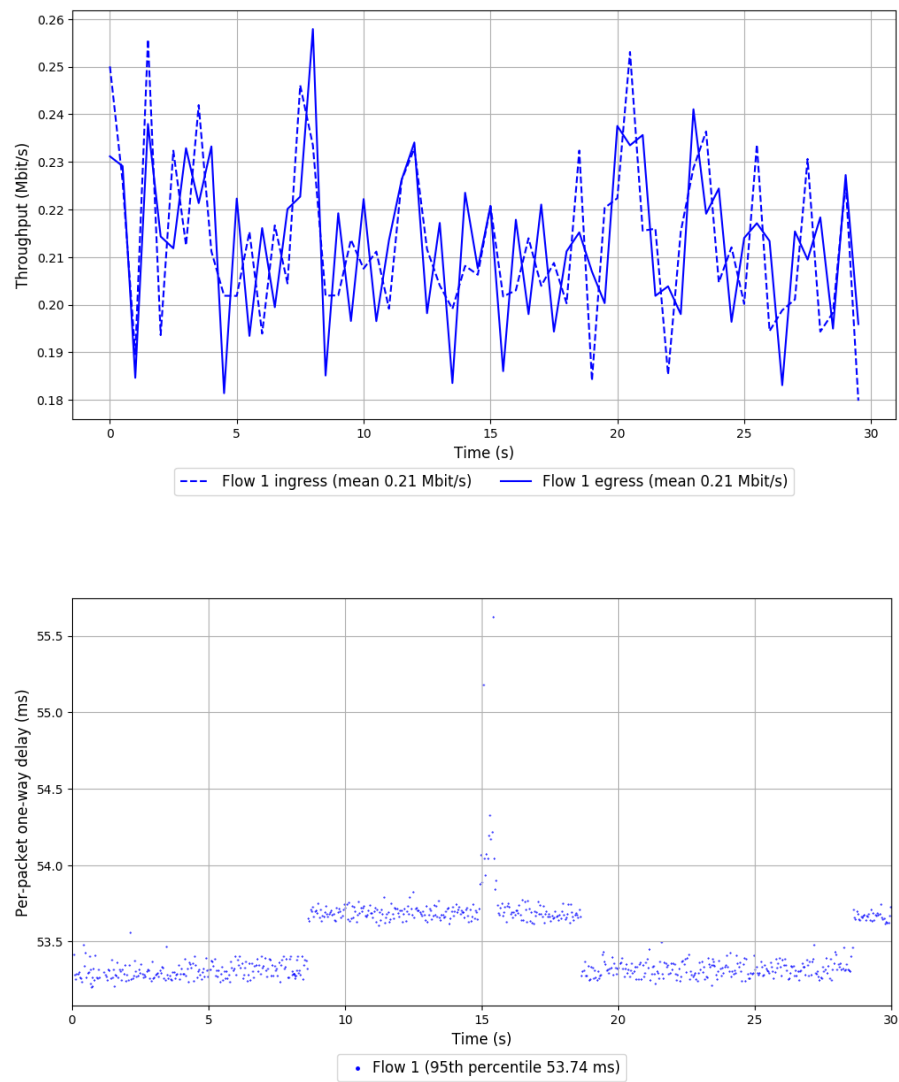


```
Run 10: Statistics of SReAM

Start at: 2018-04-17 16:23:08
End at: 2018-04-17 16:23:38

# Below is generated by plot.py at 2018-04-17 18:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.740 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link

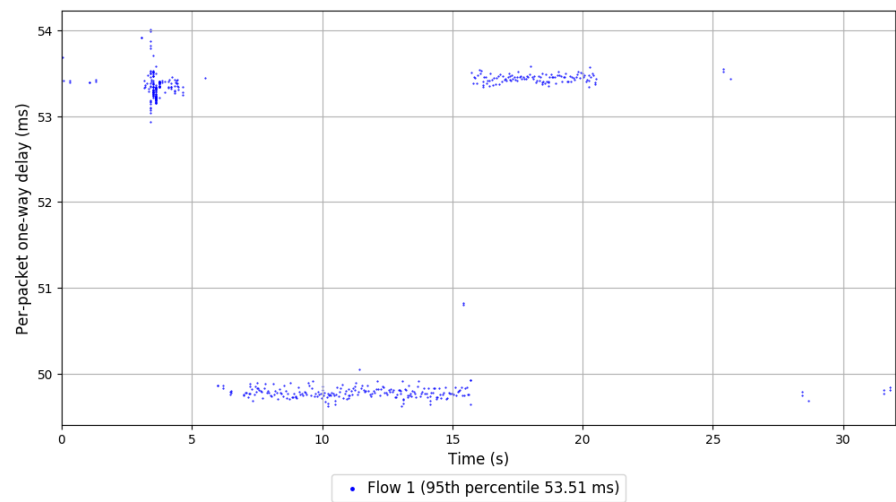
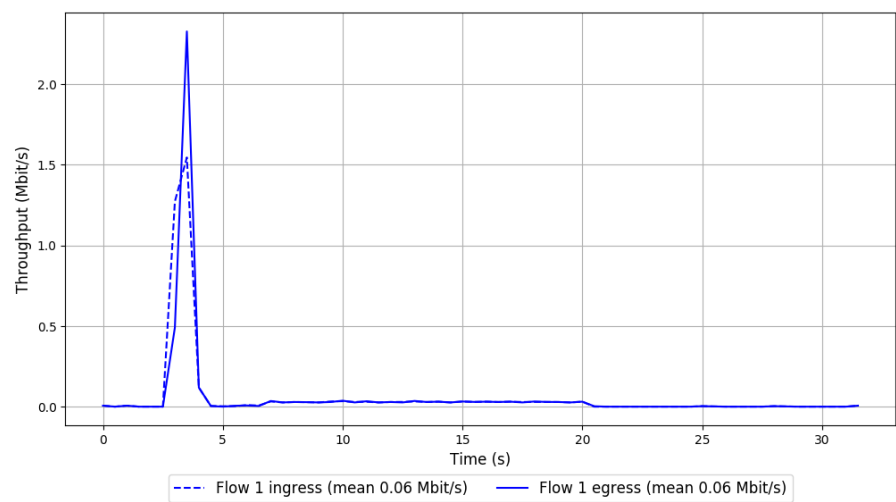


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 14:29:23
End at: 2018-04-17 14:29:53

# Below is generated by plot.py at 2018-04-17 18:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 53.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 53.505 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-17 14:42:10

End at: 2018-04-17 14:42:40

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.00%

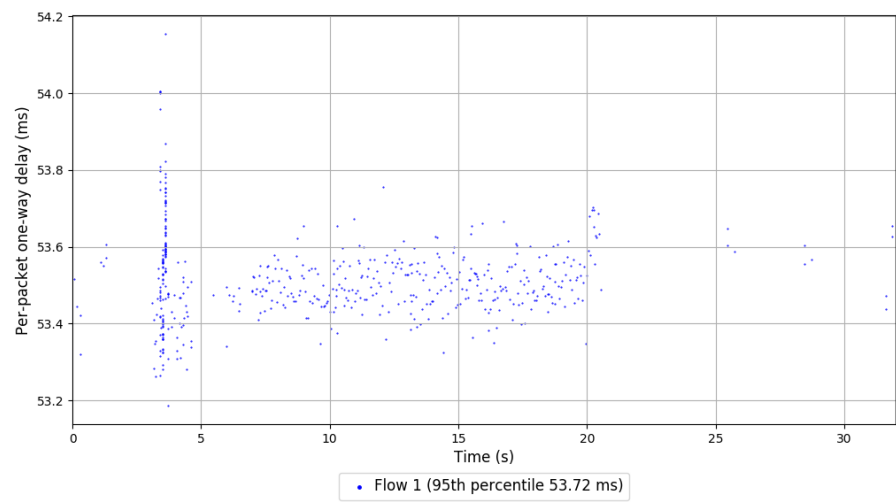
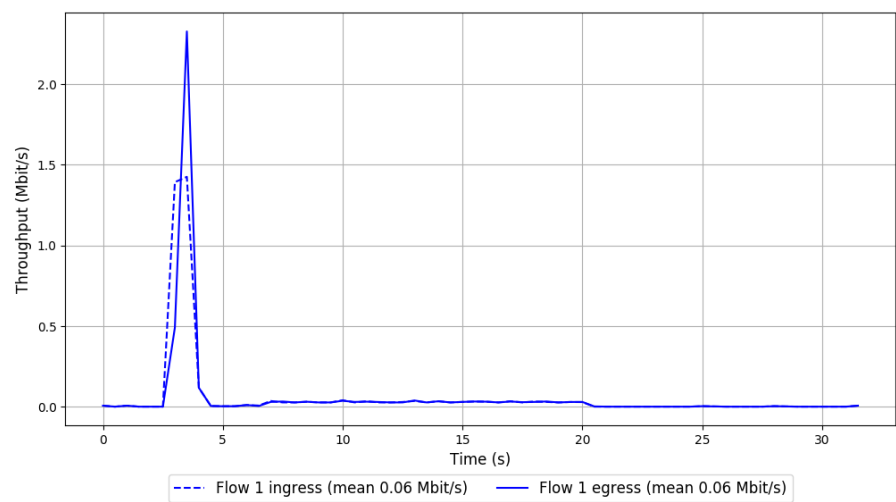
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-17 14:54:53

End at: 2018-04-17 14:55:23

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.873 ms

Loss rate: 0.00%

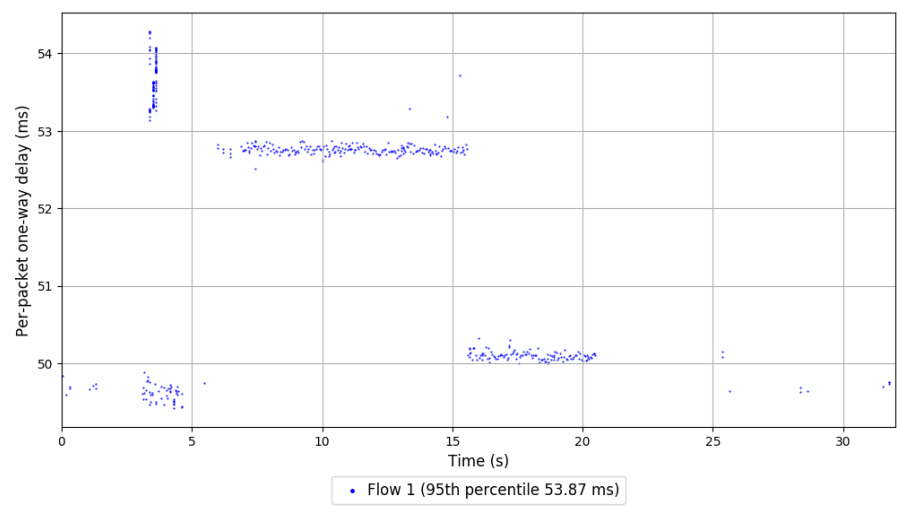
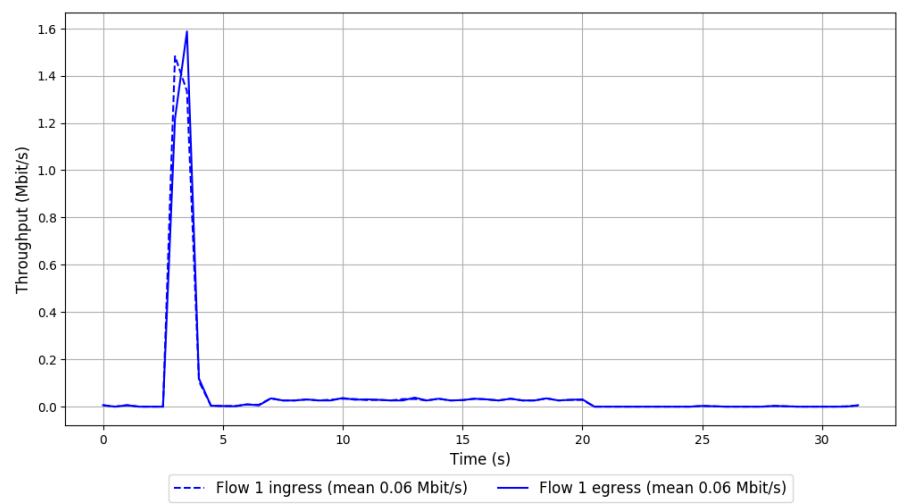
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.873 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 15:07:43

End at: 2018-04-17 15:08:13

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.518 ms

Loss rate: 0.00%

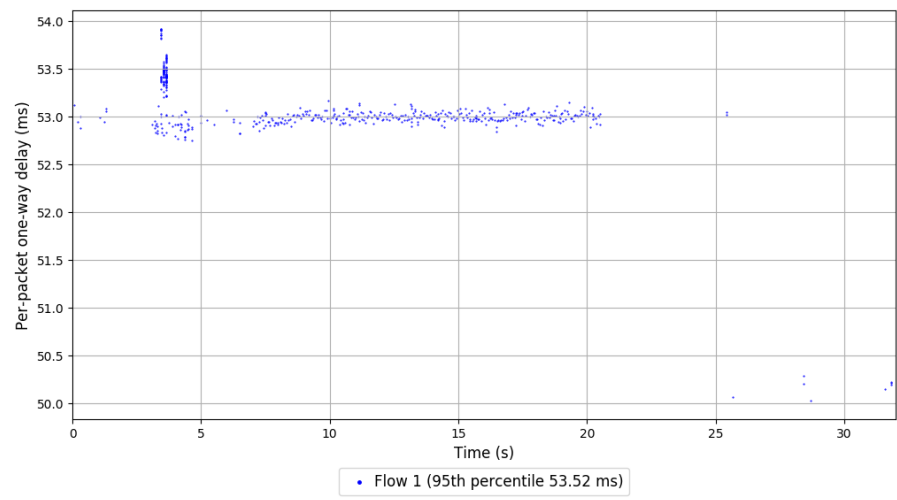
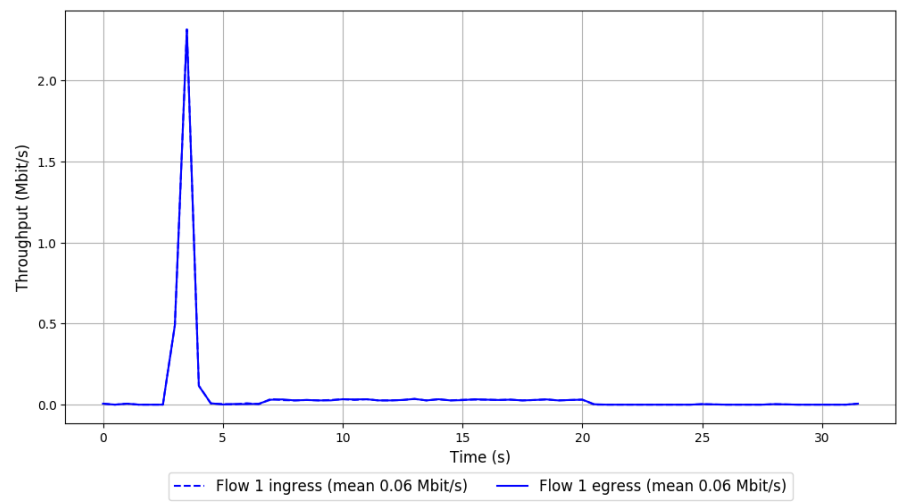
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.518 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 15:20:32

End at: 2018-04-17 15:21:02

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 54.959 ms

Loss rate: 0.00%

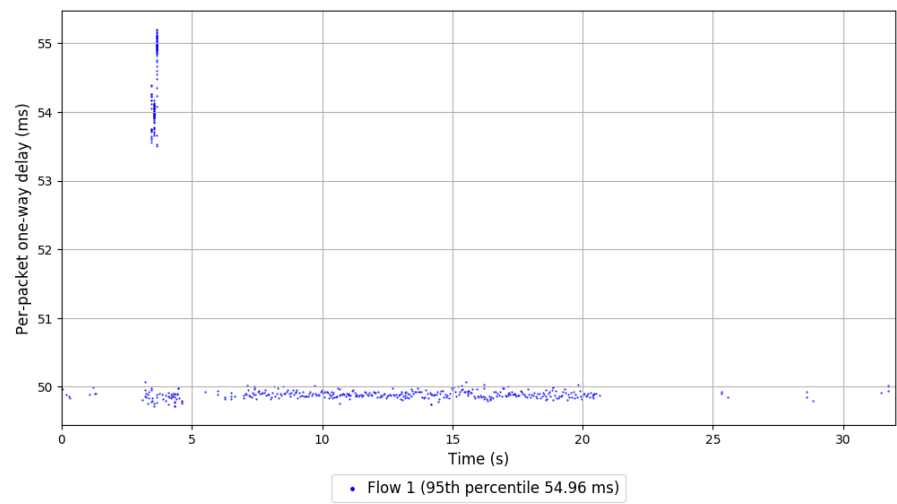
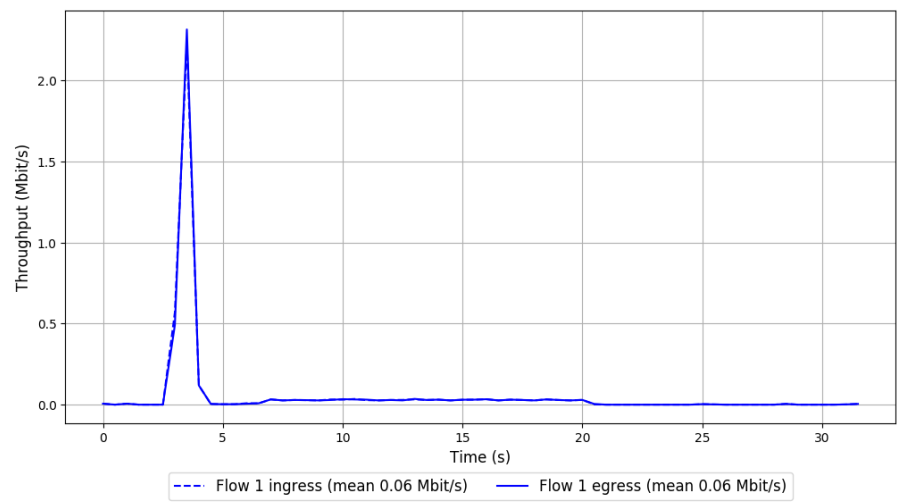
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 54.959 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 15:33:20

End at: 2018-04-17 15:33:50

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.706 ms

Loss rate: 0.00%

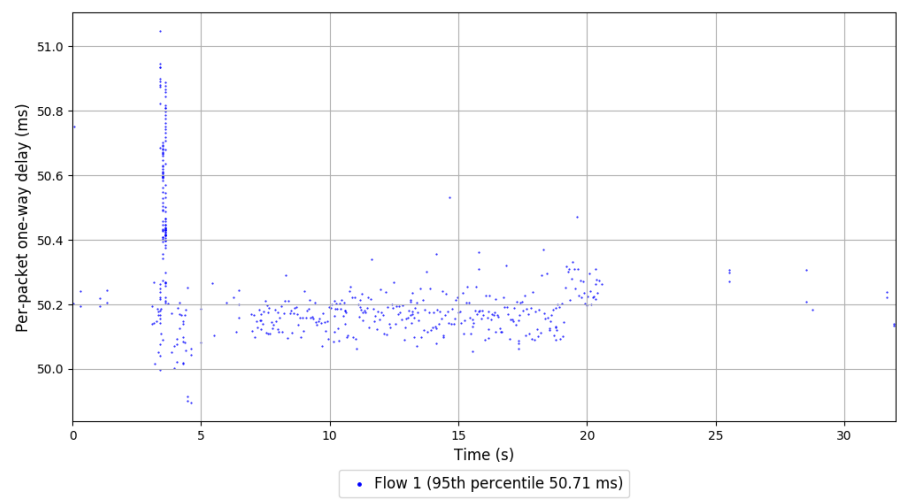
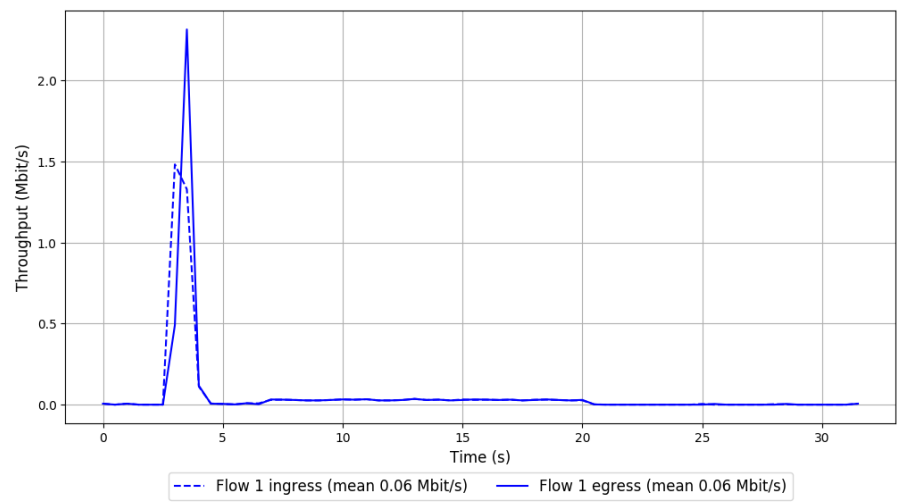
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.706 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 15:46:07

End at: 2018-04-17 15:46:37

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.640 ms

Loss rate: 0.00%

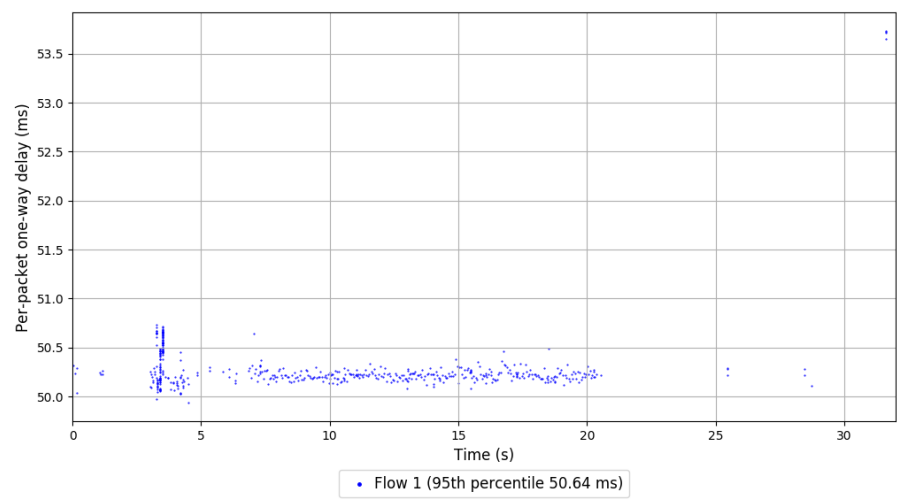
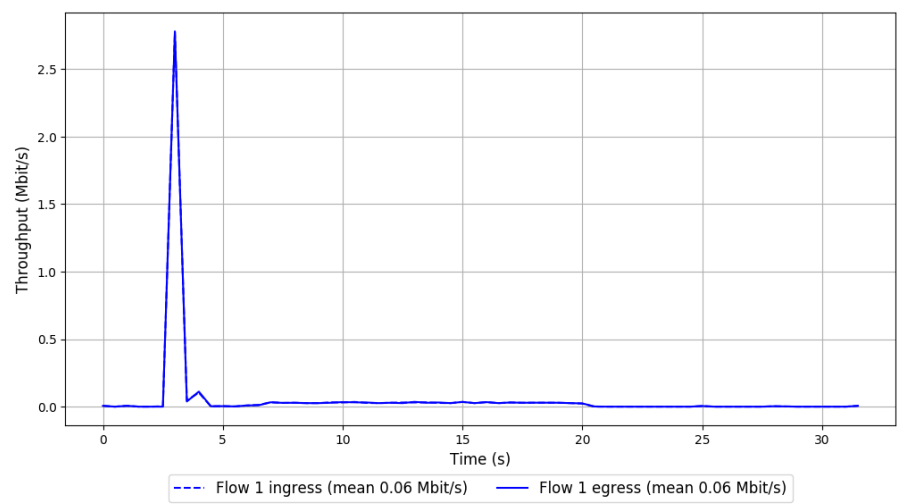
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.640 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 15:59:00

End at: 2018-04-17 15:59:30

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 54.102 ms

Loss rate: 0.00%

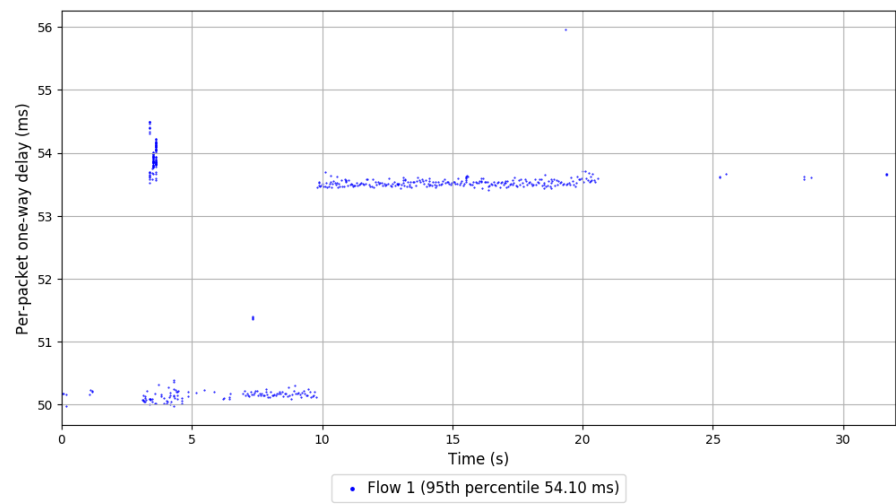
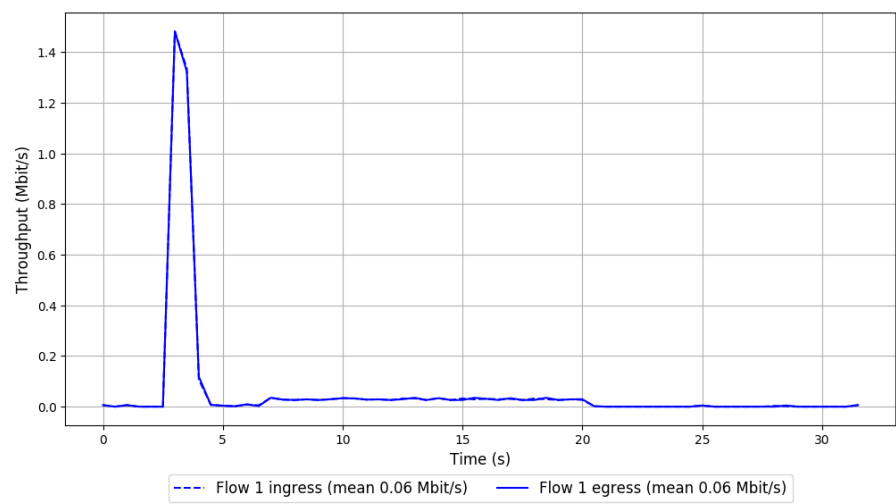
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 54.102 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 16:11:39

End at: 2018-04-17 16:12:09

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.951 ms

Loss rate: 0.00%

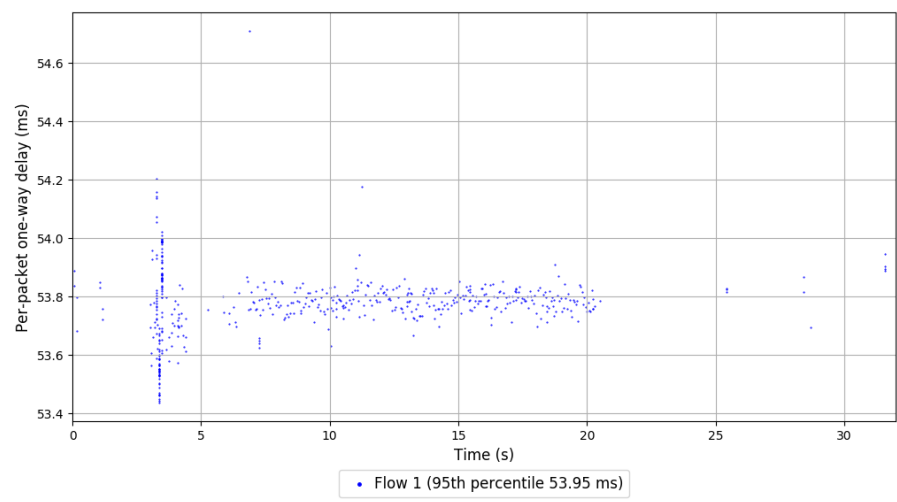
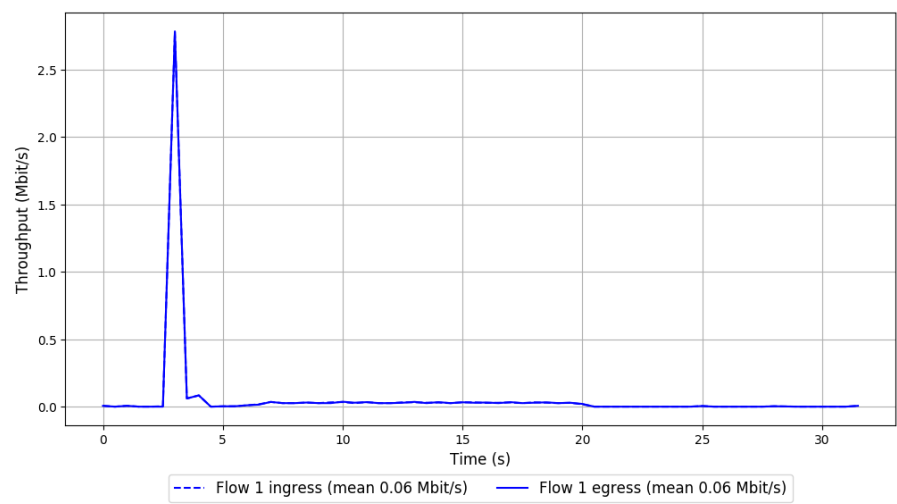
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.951 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 16:24:31

End at: 2018-04-17 16:25:01

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.954 ms

Loss rate: 0.00%

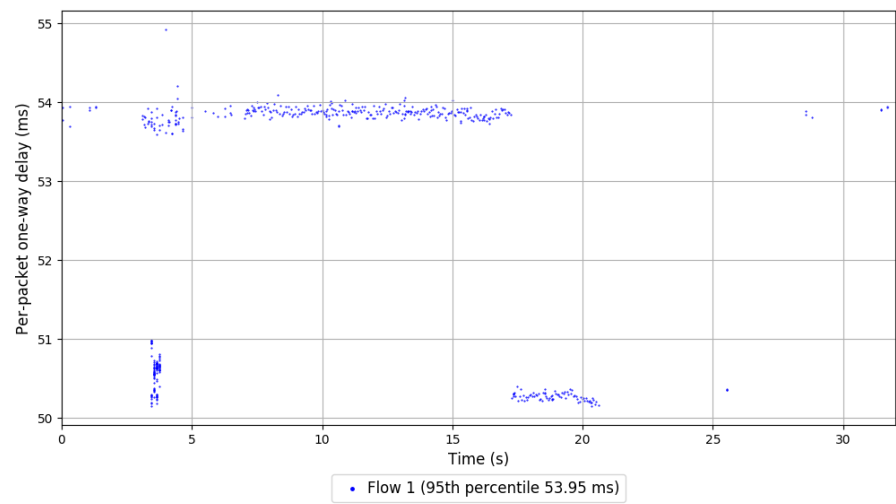
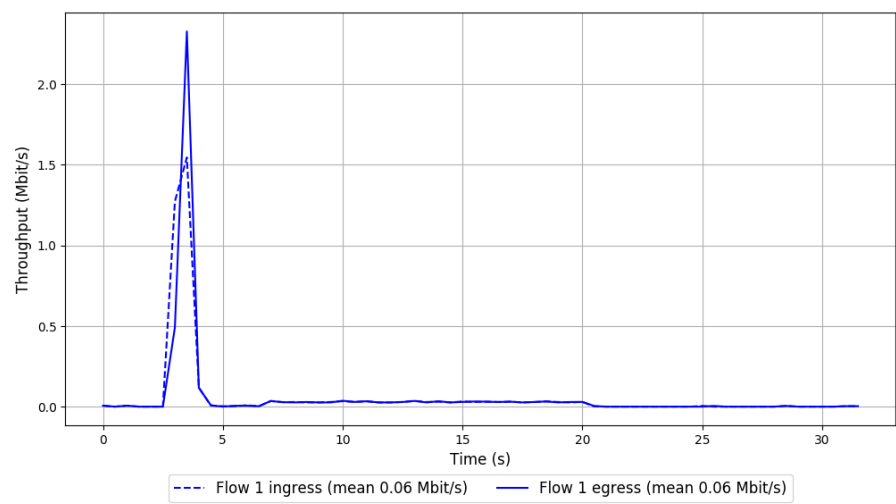
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.954 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-17 14:34:41

End at: 2018-04-17 14:35:11

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 54.260 ms

Loss rate: 0.00%

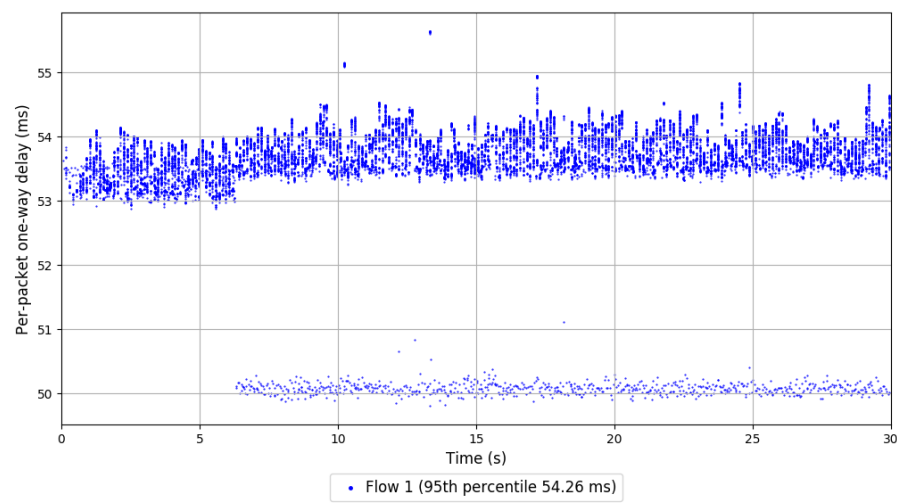
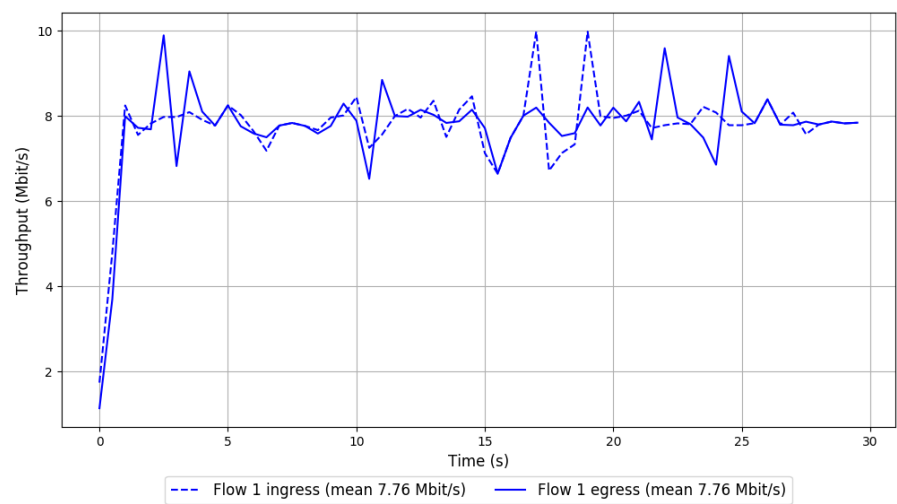
-- Flow 1:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 54.260 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 14:47:24

End at: 2018-04-17 14:47:54

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 54.156 ms

Loss rate: 0.00%

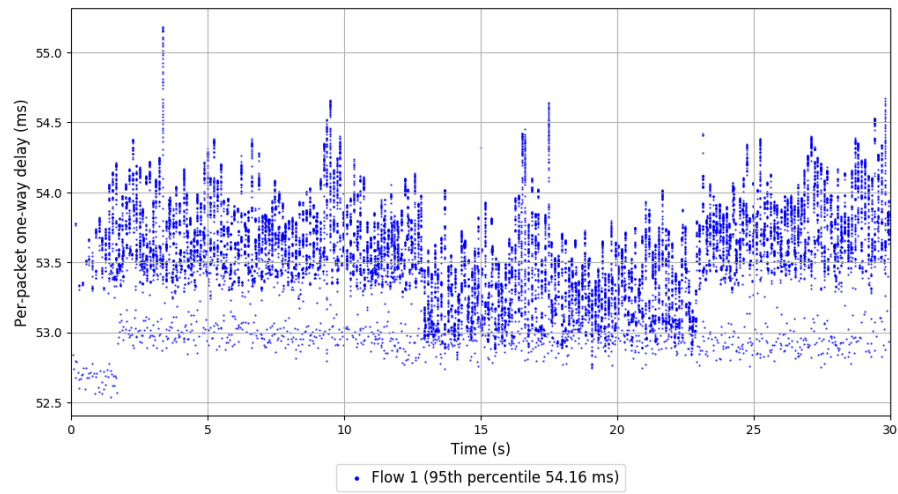
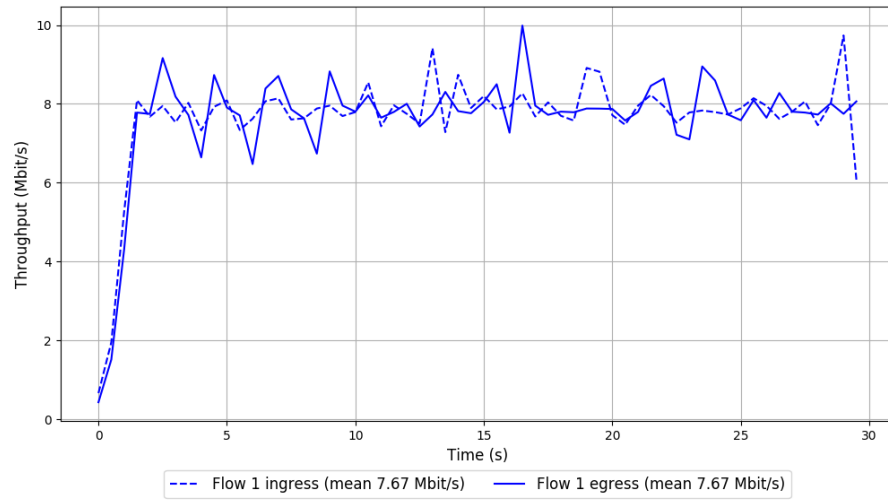
-- Flow 1:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 54.156 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-17 15:00:08

End at: 2018-04-17 15:00:38

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.47 Mbit/s

95th percentile per-packet one-way delay: 54.189 ms

Loss rate: 0.00%

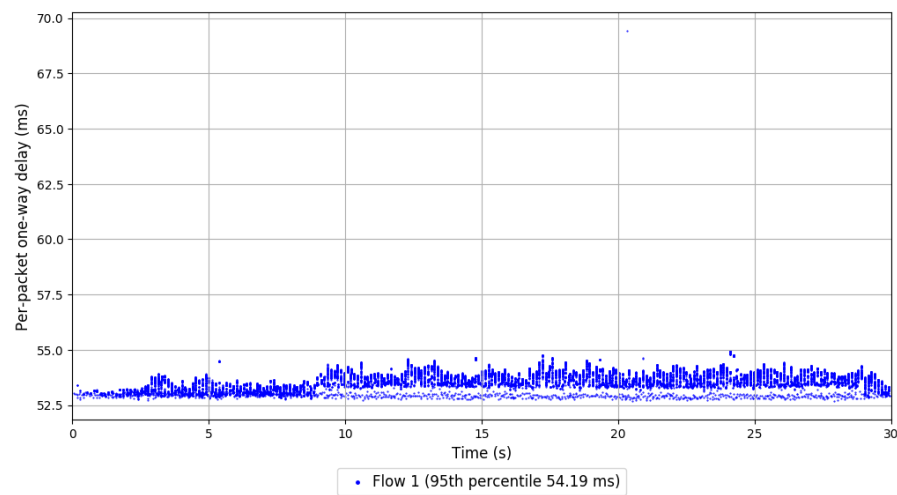
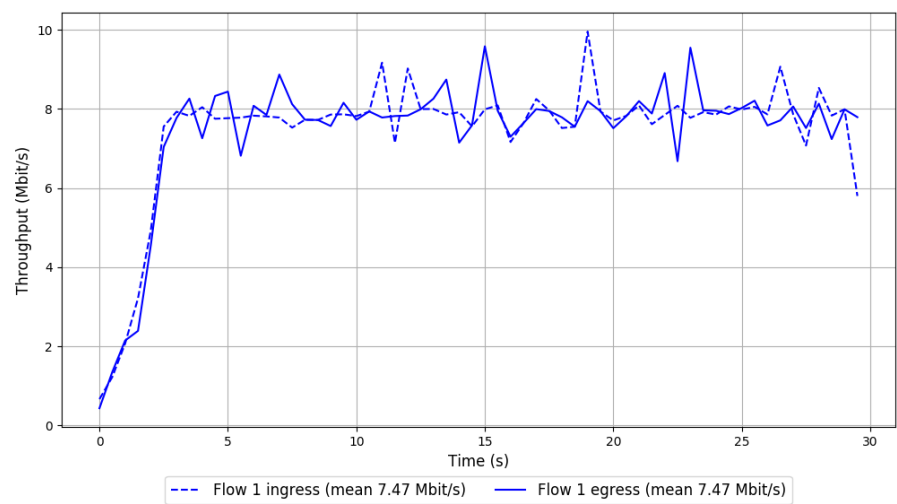
-- Flow 1:

Average throughput: 7.47 Mbit/s

95th percentile per-packet one-way delay: 54.189 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-17 15:12:59

End at: 2018-04-17 15:13:29

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 54.514 ms

Loss rate: 0.00%

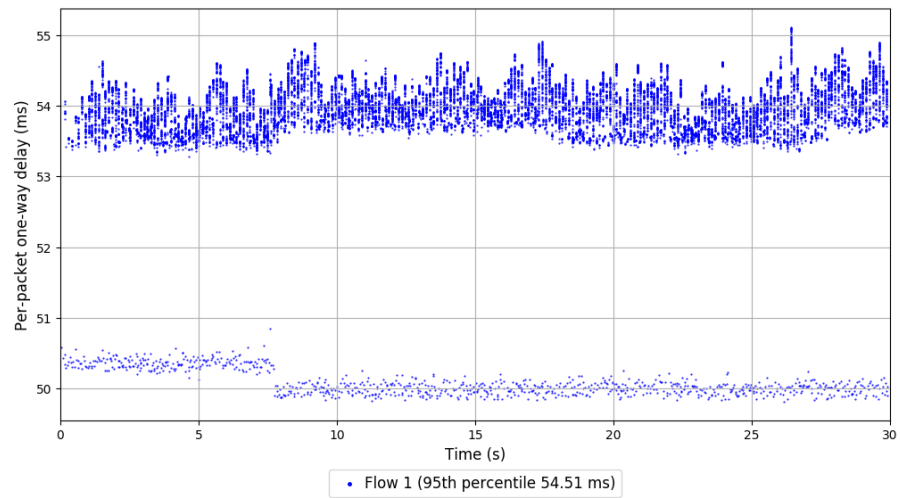
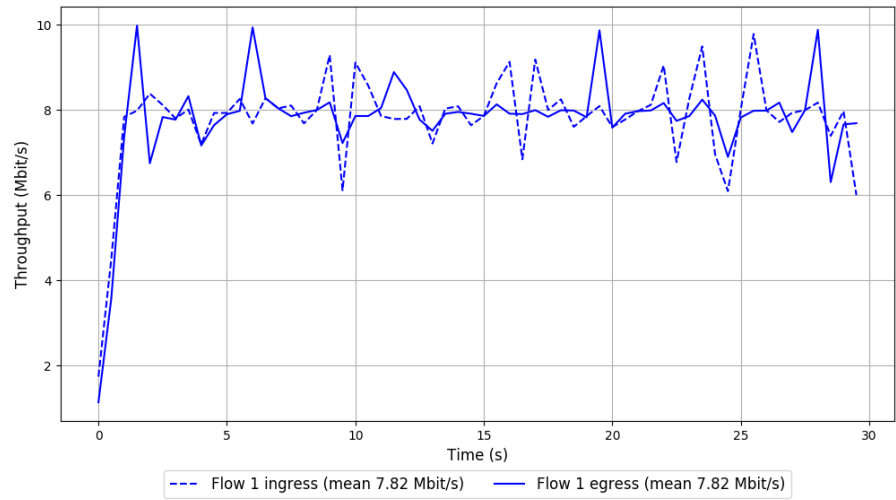
-- Flow 1:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 54.514 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-17 15:25:56

End at: 2018-04-17 15:26:26

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 54.189 ms

Loss rate: 0.00%

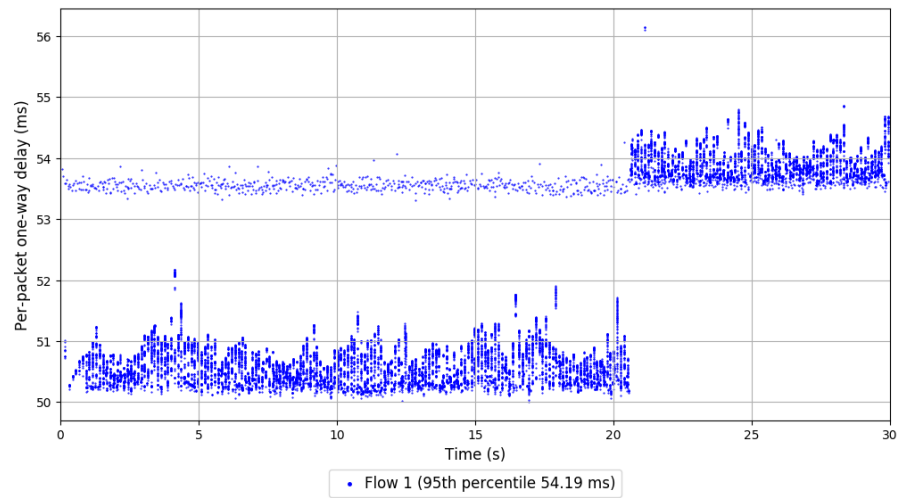
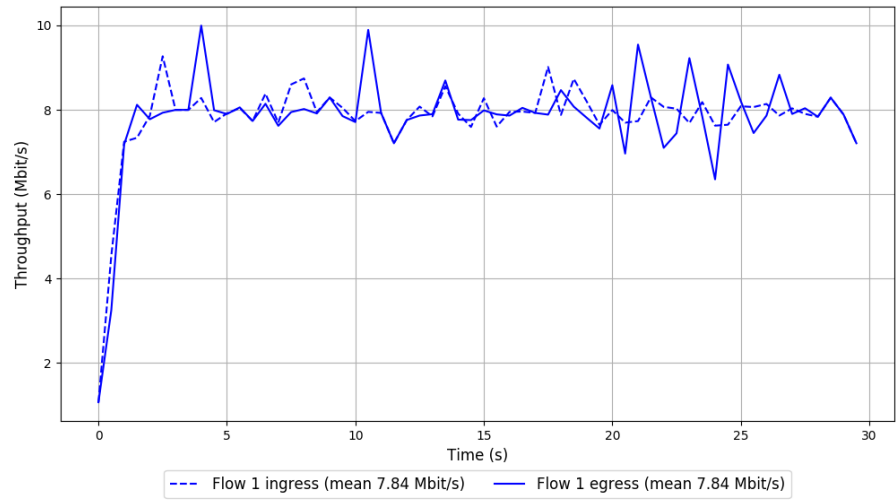
-- Flow 1:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 54.189 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 15:38:36

End at: 2018-04-17 15:39:06

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.73 Mbit/s

95th percentile per-packet one-way delay: 54.394 ms

Loss rate: 0.00%

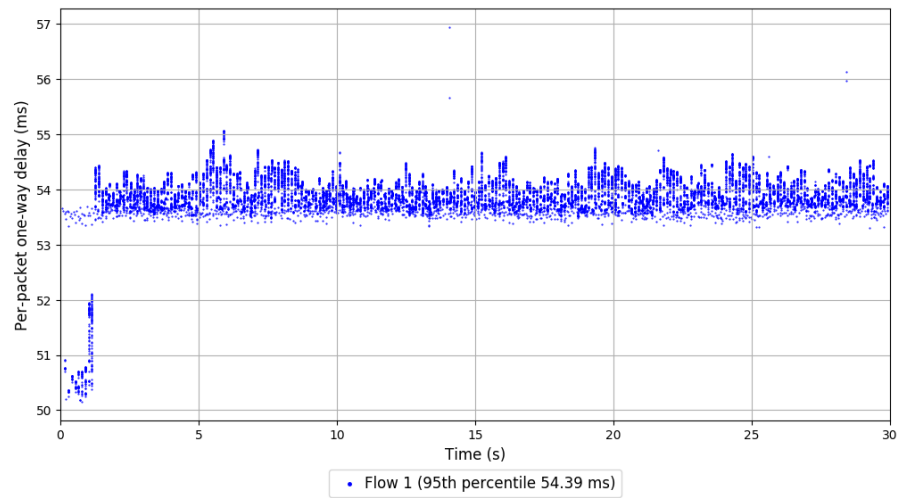
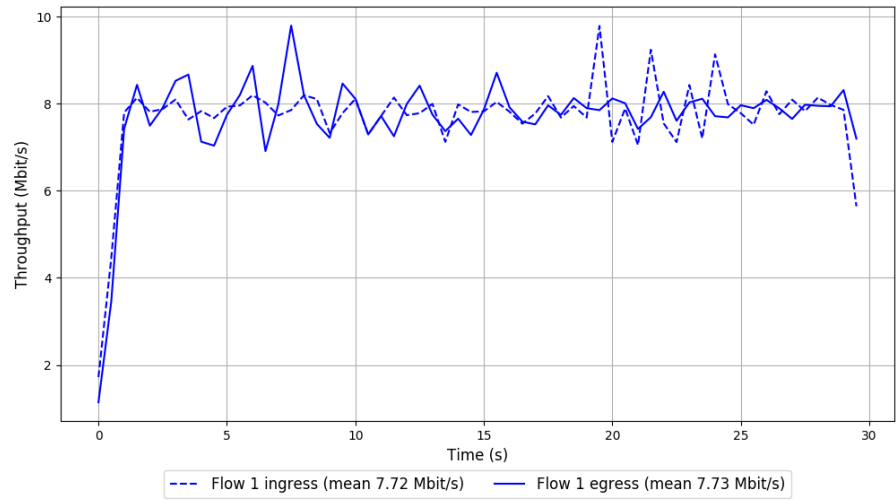
-- Flow 1:

Average throughput: 7.73 Mbit/s

95th percentile per-packet one-way delay: 54.394 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-17 15:51:23

End at: 2018-04-17 15:51:53

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 54.514 ms

Loss rate: 0.00%

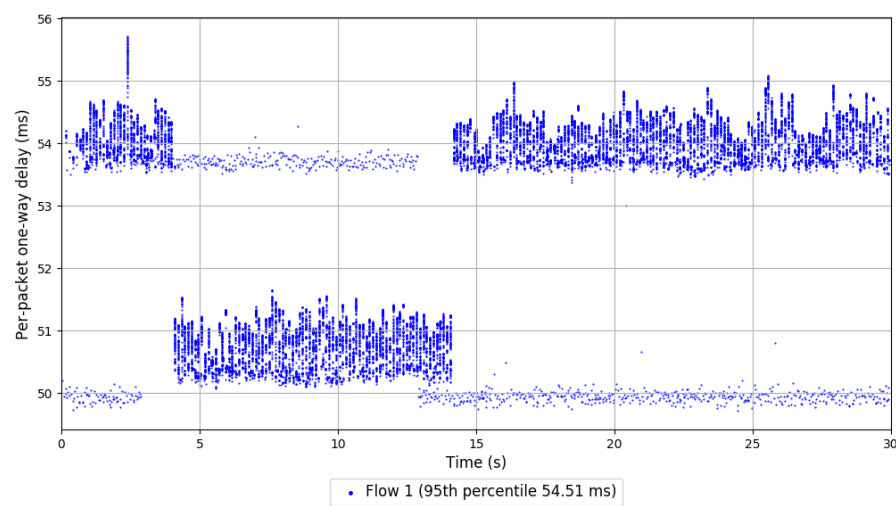
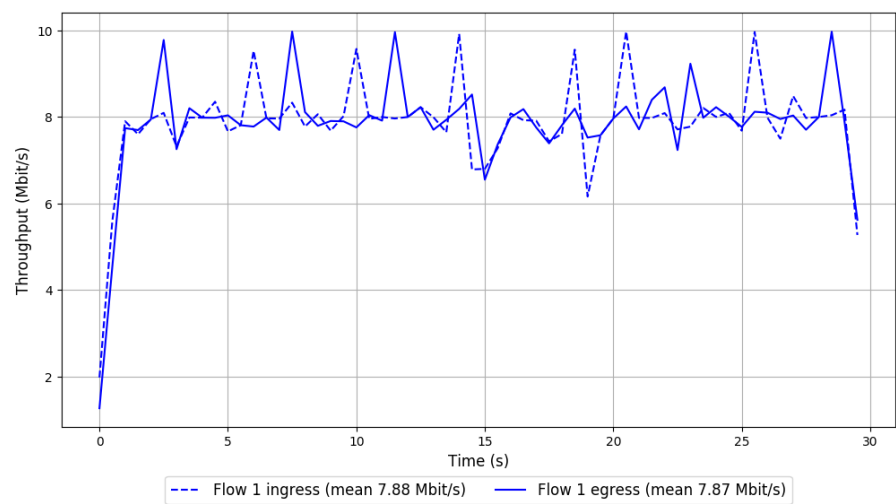
-- Flow 1:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 54.514 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-17 16:04:15

End at: 2018-04-17 16:04:45

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 54.329 ms

Loss rate: 0.00%

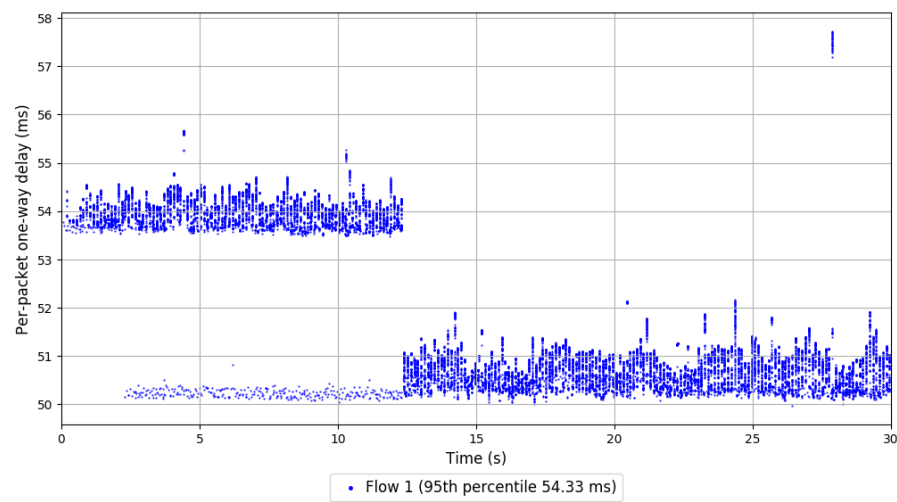
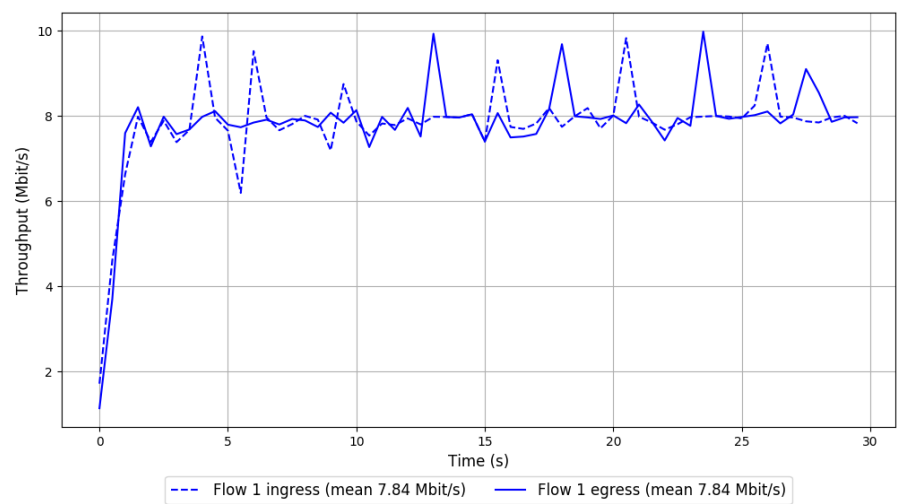
-- Flow 1:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 54.329 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 16:16:54

End at: 2018-04-17 16:17:24

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 54.709 ms

Loss rate: 0.00%

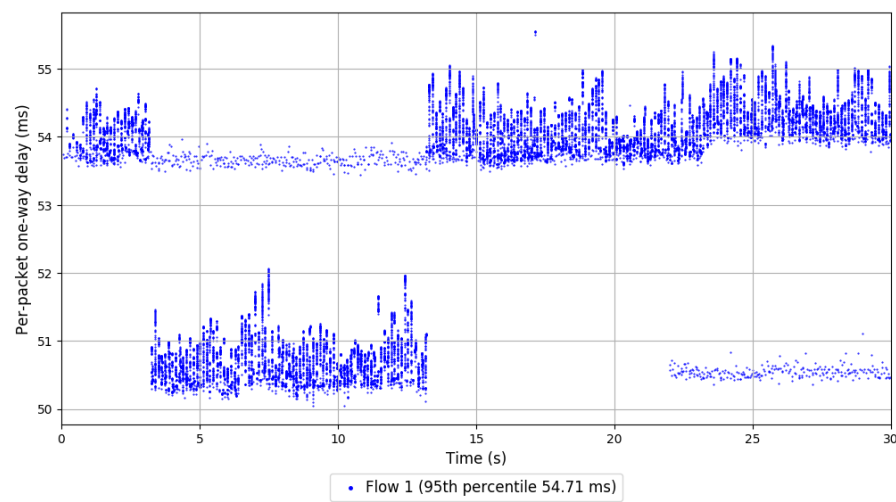
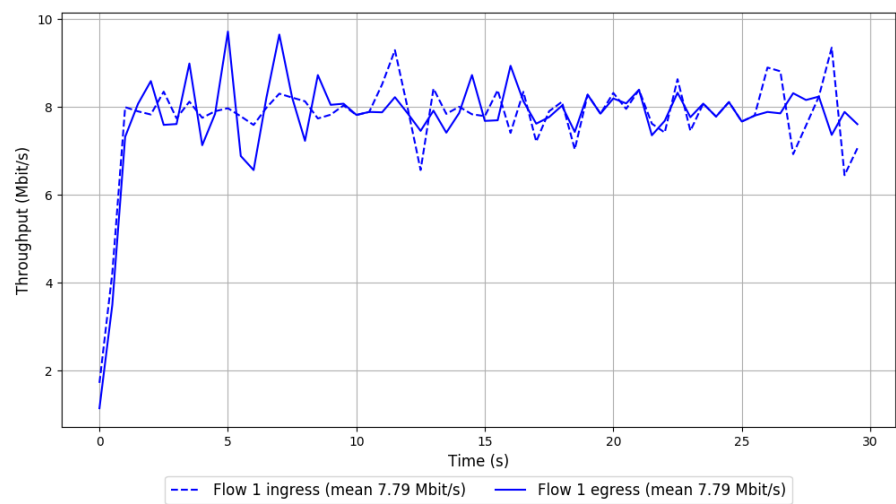
-- Flow 1:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 54.709 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 16:29:52

End at: 2018-04-17 16:30:22

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.70 Mbit/s

95th percentile per-packet one-way delay: 54.806 ms

Loss rate: 0.00%

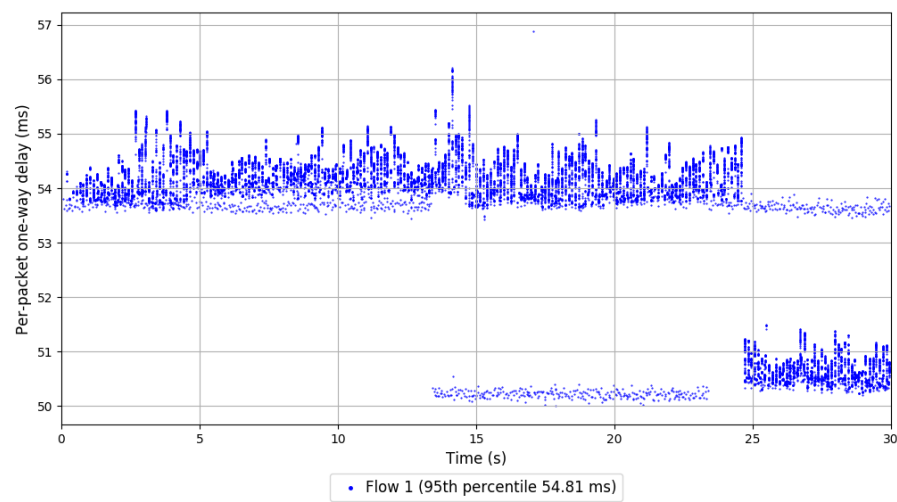
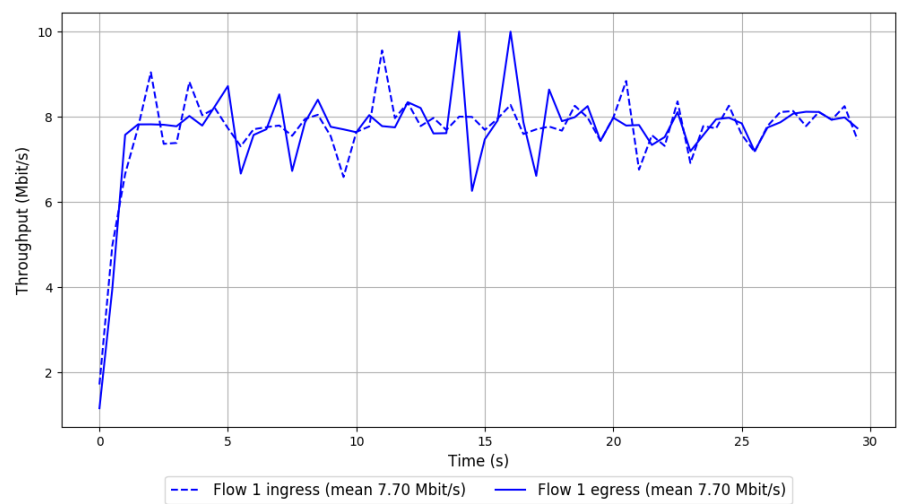
-- Flow 1:

Average throughput: 7.70 Mbit/s

95th percentile per-packet one-way delay: 54.806 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

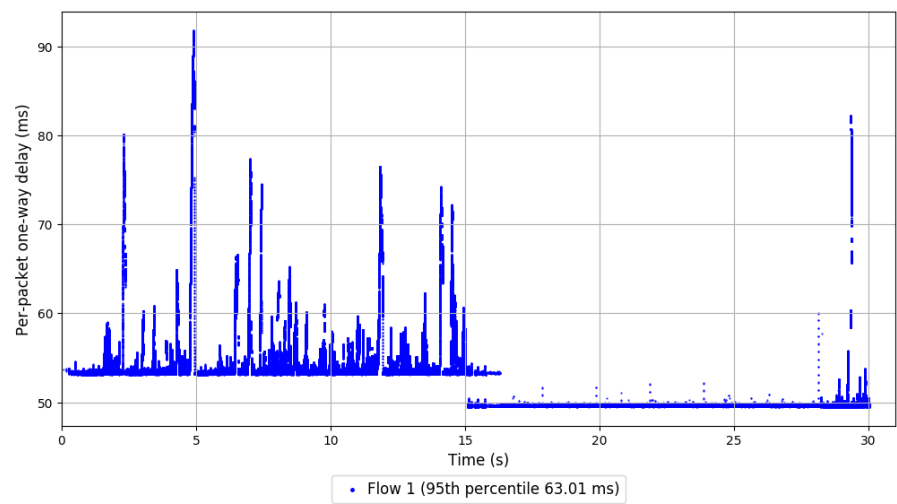
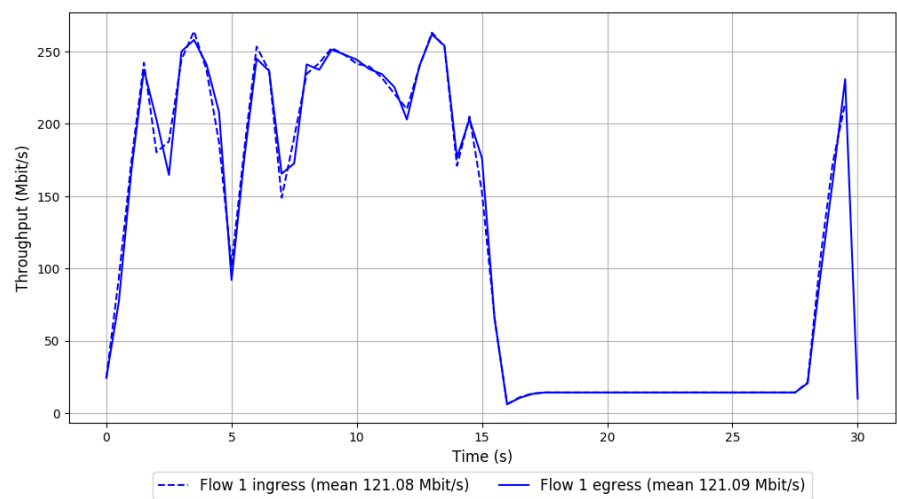


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 14:31:21
End at: 2018-04-17 14:31:51

# Below is generated by plot.py at 2018-04-17 18:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.09 Mbit/s
95th percentile per-packet one-way delay: 63.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.09 Mbit/s
95th percentile per-packet one-way delay: 63.006 ms
Loss rate: 0.00%
```

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

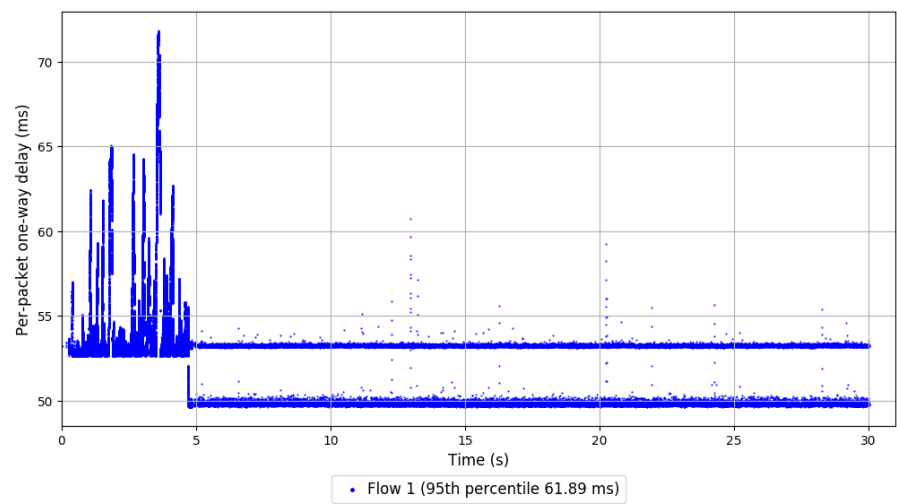
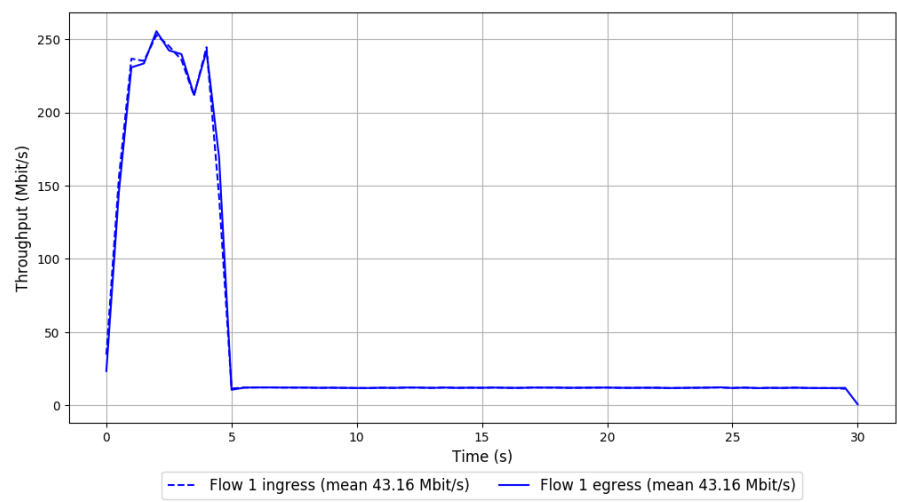


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 14:44:12
End at: 2018-04-17 14:44:42

# Below is generated by plot.py at 2018-04-17 18:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 61.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 61.889 ms
Loss rate: 0.00%
```

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

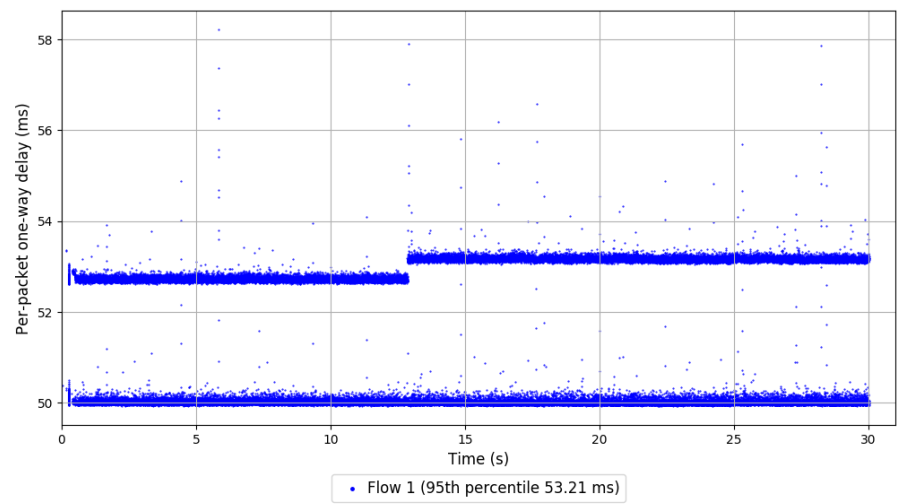
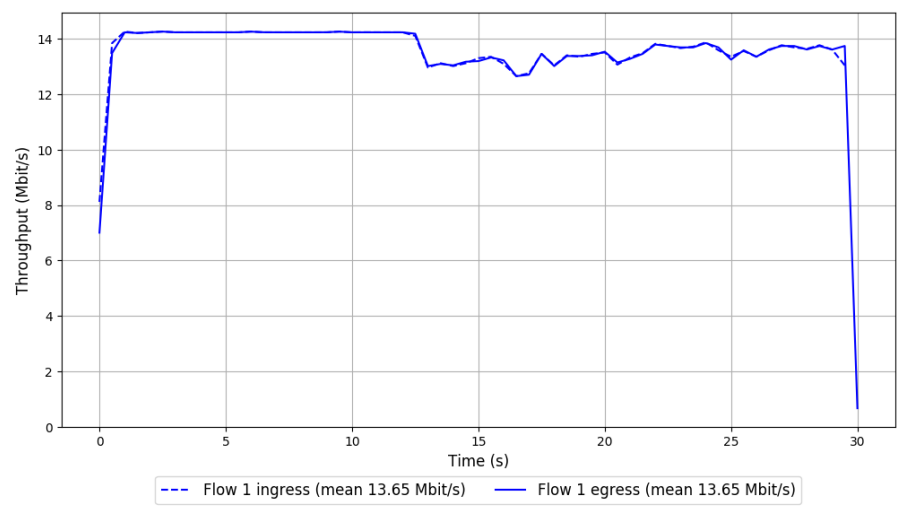


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 14:56:54
End at: 2018-04-17 14:57:24

# Below is generated by plot.py at 2018-04-17 18:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 53.206 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 53.206 ms
Loss rate: 0.01%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 15:09:46

End at: 2018-04-17 15:10:16

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 53.489 ms

Loss rate: 0.01%

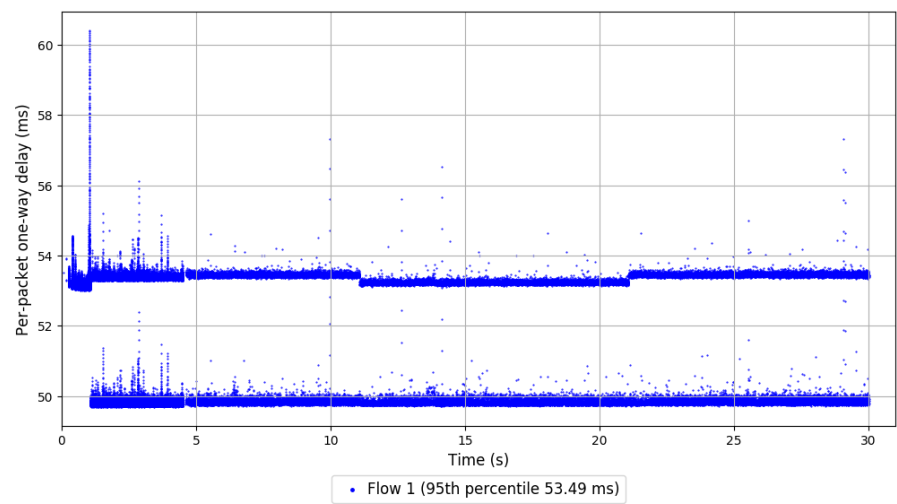
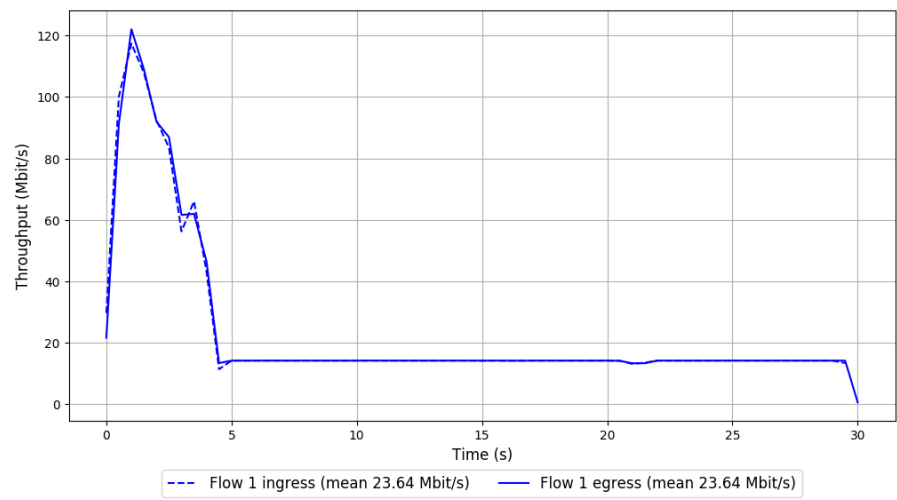
-- Flow 1:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 53.489 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 15:22:35

End at: 2018-04-17 15:23:05

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.63 Mbit/s

95th percentile per-packet one-way delay: 62.043 ms

Loss rate: 0.00%

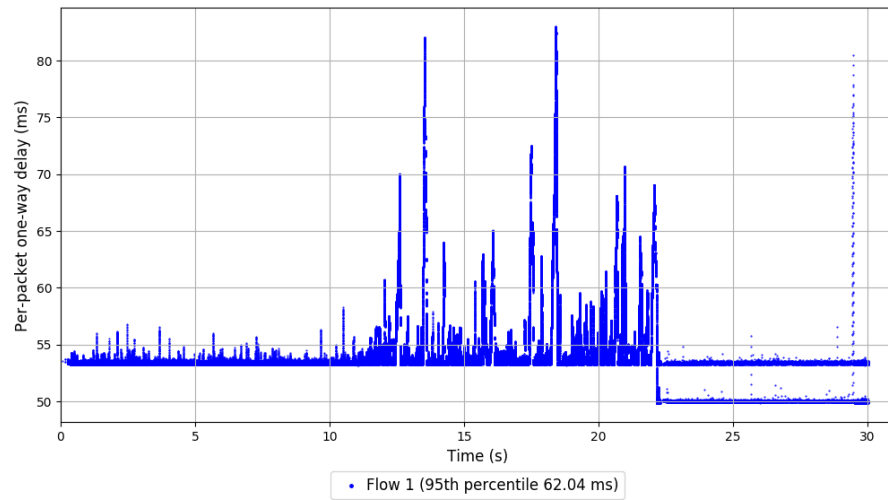
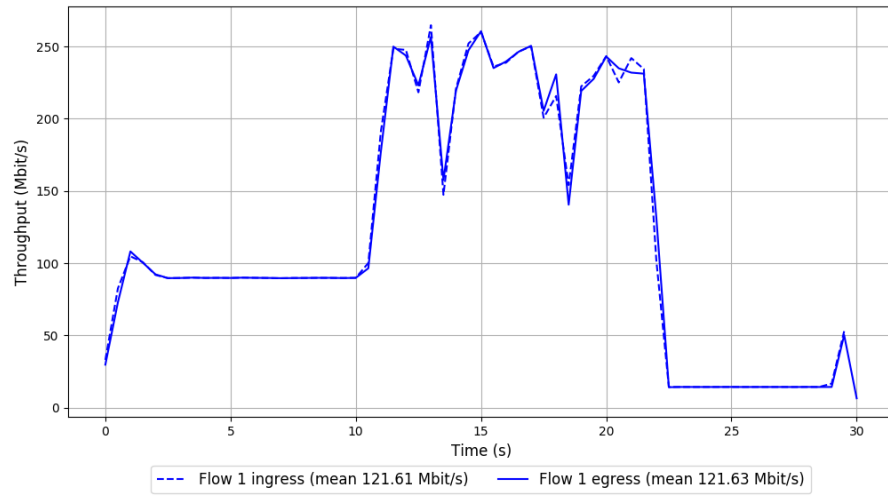
-- Flow 1:

Average throughput: 121.63 Mbit/s

95th percentile per-packet one-way delay: 62.043 ms

Loss rate: 0.00%

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

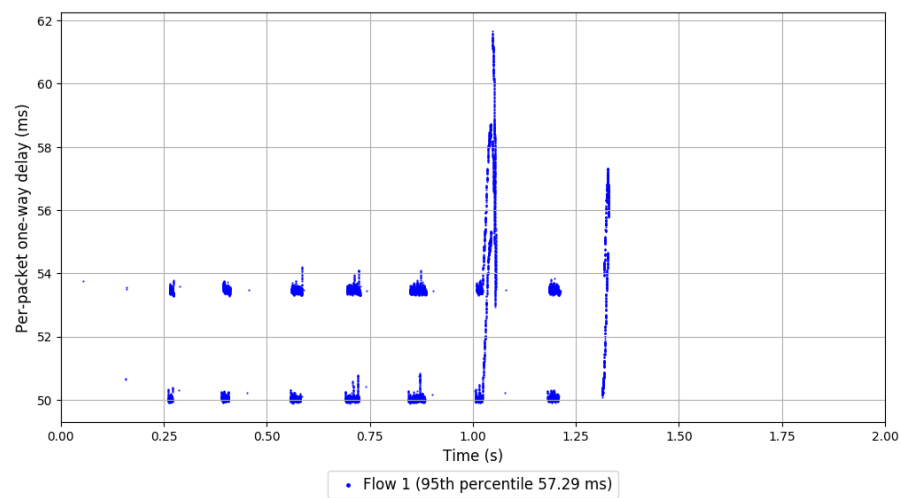
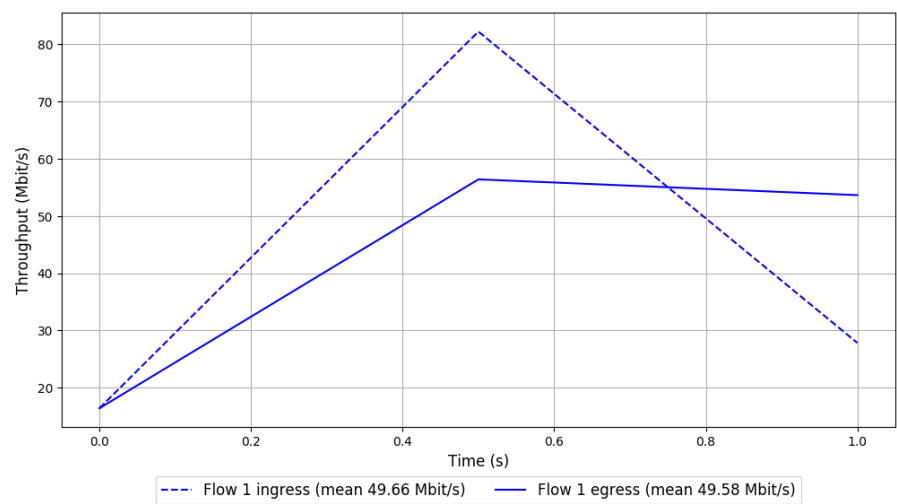


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 15:35:23

End at: 2018-04-17 15:35:53

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 15:48:10

End at: 2018-04-17 15:48:40

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 53.599 ms

Loss rate: 0.00%

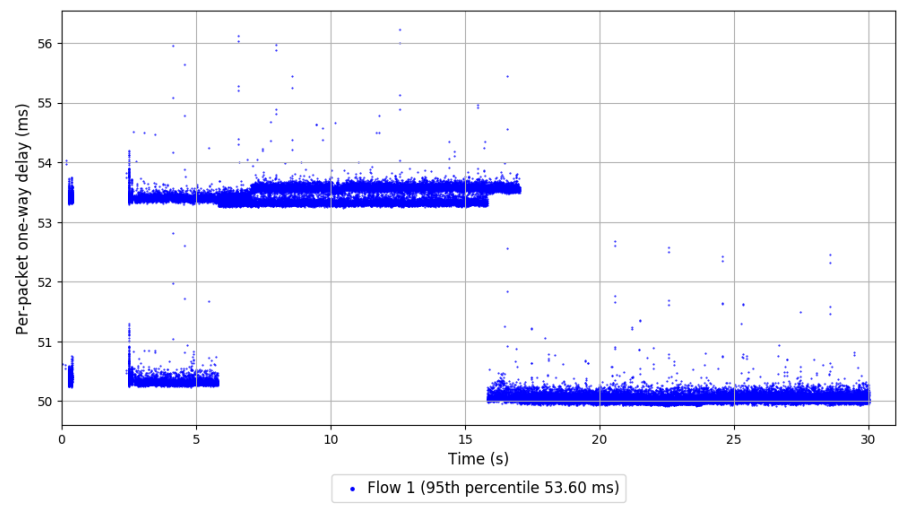
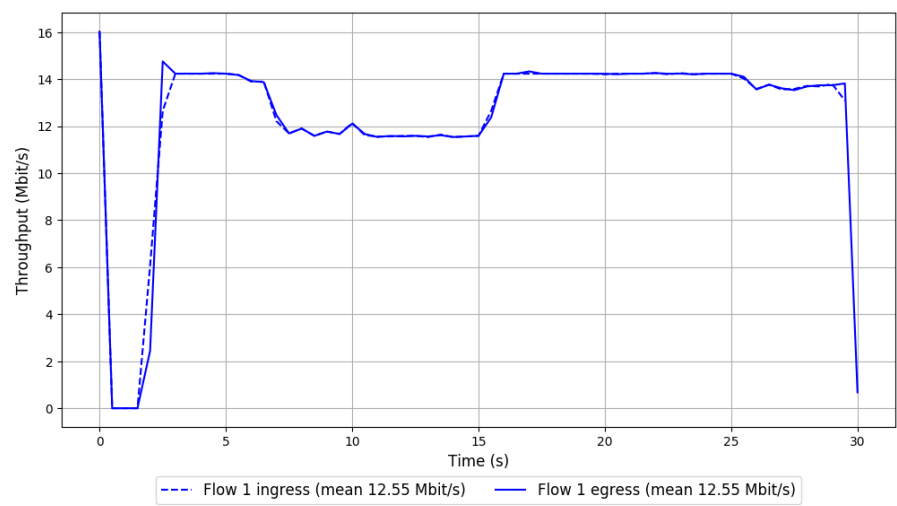
-- Flow 1:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 53.599 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 16:01:02

End at: 2018-04-17 16:01:32

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.45 Mbit/s

95th percentile per-packet one-way delay: 53.529 ms

Loss rate: 0.01%

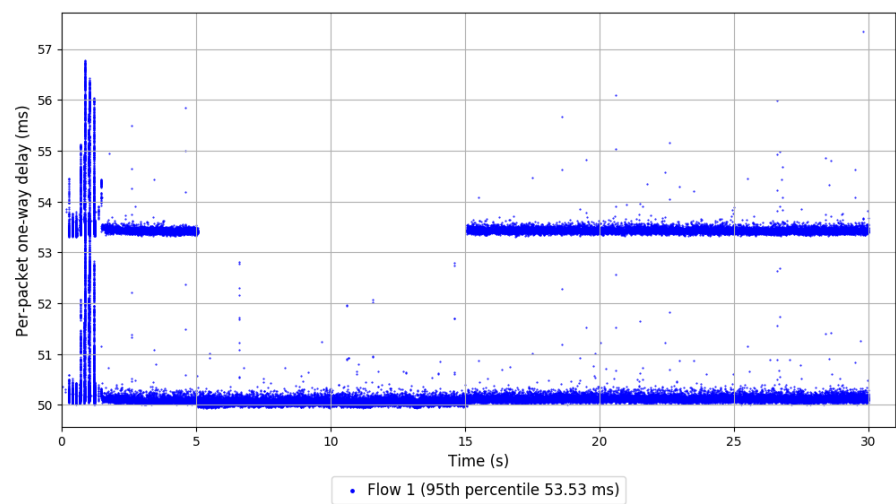
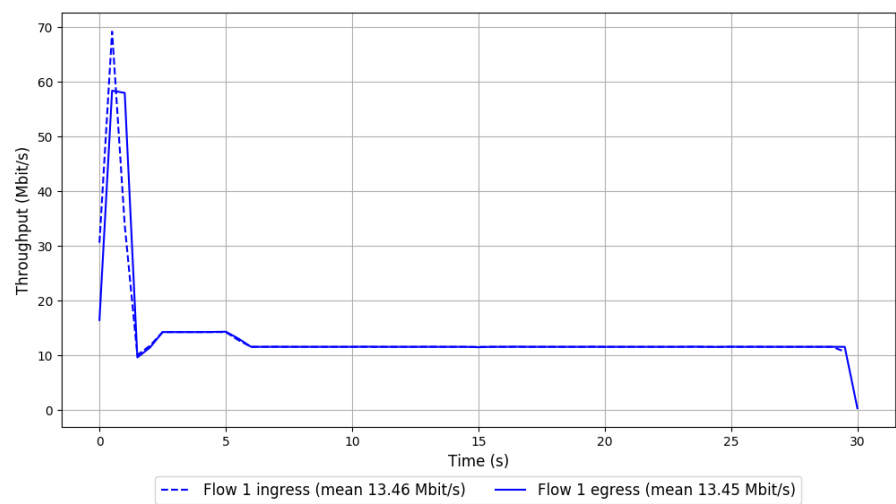
-- Flow 1:

Average throughput: 13.45 Mbit/s

95th percentile per-packet one-way delay: 53.529 ms

Loss rate: 0.01%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 16:13:41

End at: 2018-04-17 16:14:11

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.00 Mbit/s

95th percentile per-packet one-way delay: 61.401 ms

Loss rate: 0.00%

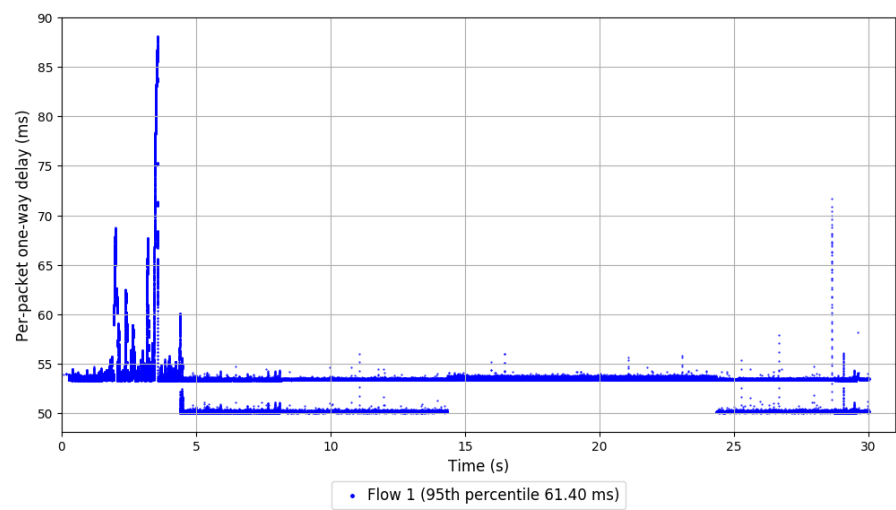
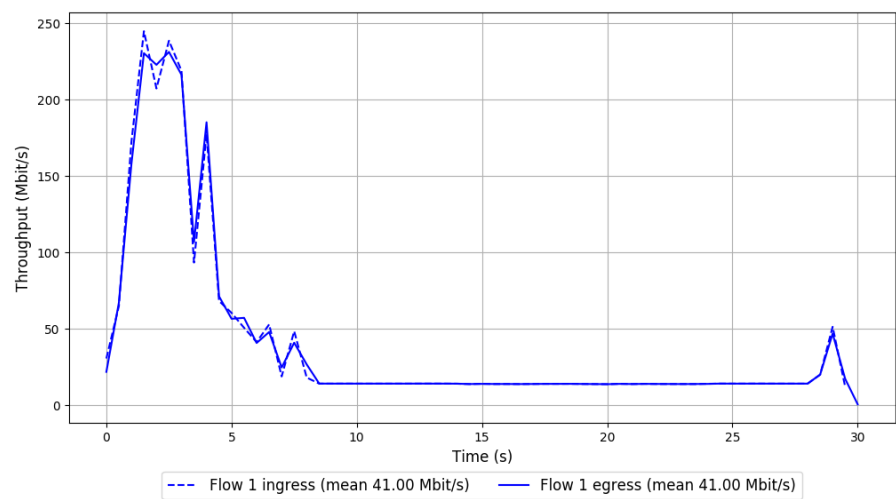
-- Flow 1:

Average throughput: 41.00 Mbit/s

95th percentile per-packet one-way delay: 61.401 ms

Loss rate: 0.00%

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

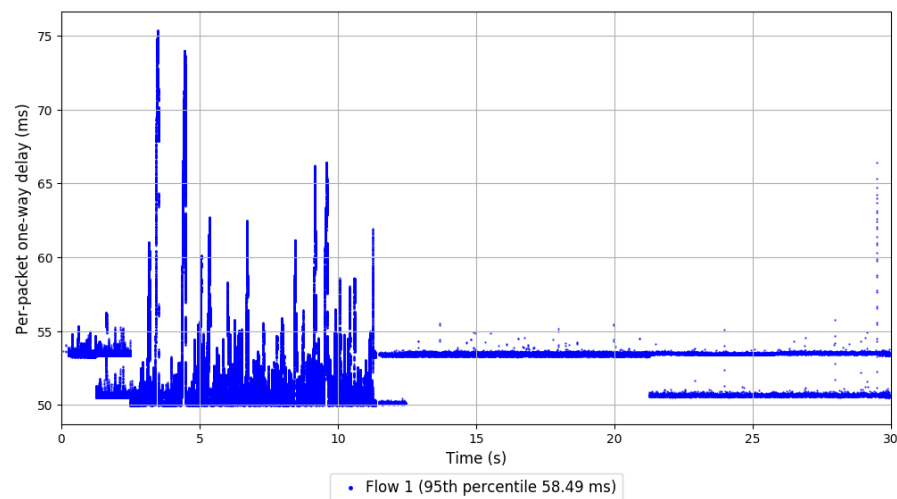
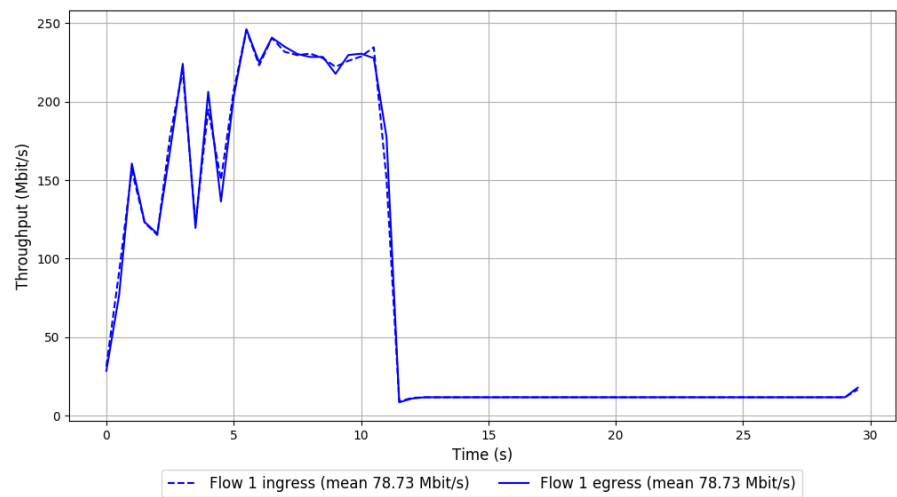


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 16:26:34
End at: 2018-04-17 16:27:04

# Below is generated by plot.py at 2018-04-17 18:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 58.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 58.490 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 14:28:36

End at: 2018-04-17 14:29:06

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.54 Mbit/s

95th percentile per-packet one-way delay: 64.491 ms

Loss rate: 0.01%

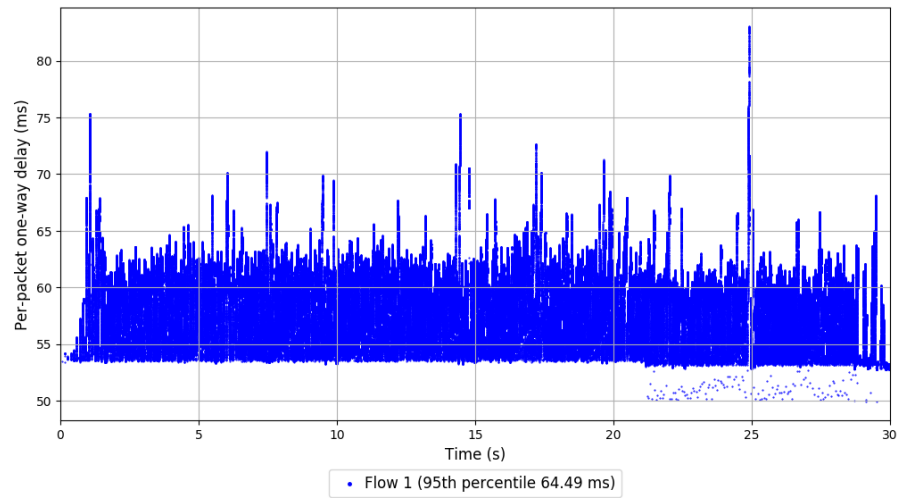
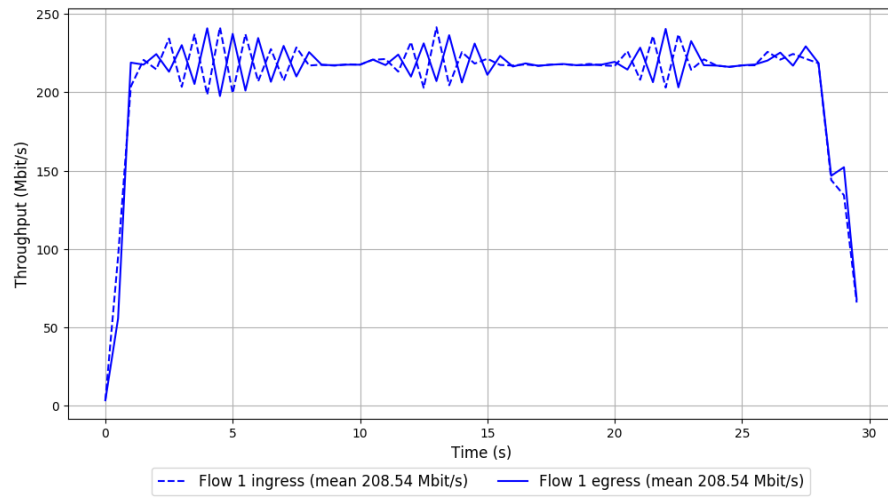
-- Flow 1:

Average throughput: 208.54 Mbit/s

95th percentile per-packet one-way delay: 64.491 ms

Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 14:41:27

End at: 2018-04-17 14:41:57

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.46 Mbit/s

95th percentile per-packet one-way delay: 55.115 ms

Loss rate: 0.00%

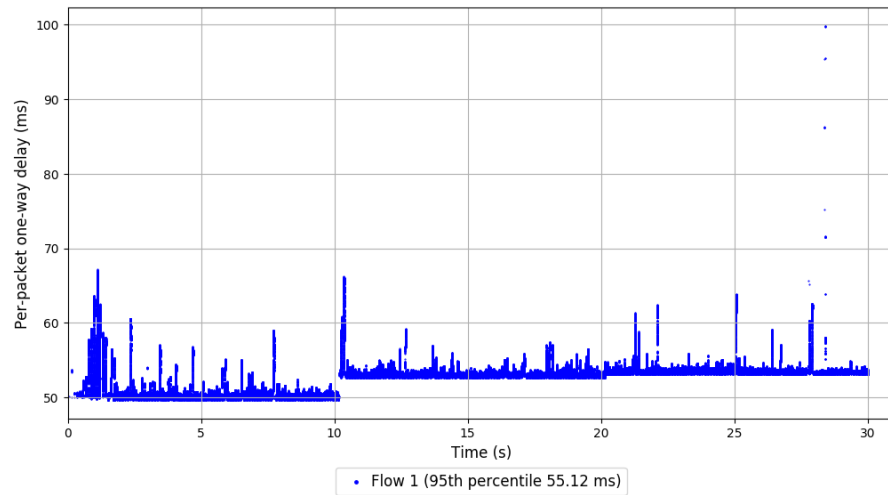
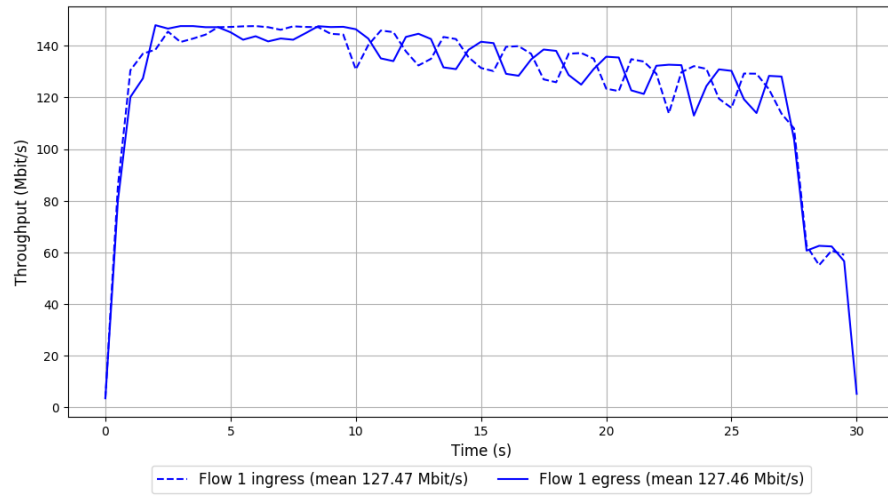
-- Flow 1:

Average throughput: 127.46 Mbit/s

95th percentile per-packet one-way delay: 55.115 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 14:54:10

End at: 2018-04-17 14:54:40

Below is generated by plot.py at 2018-04-17 18:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.17 Mbit/s

95th percentile per-packet one-way delay: 53.825 ms

Loss rate: 0.00%

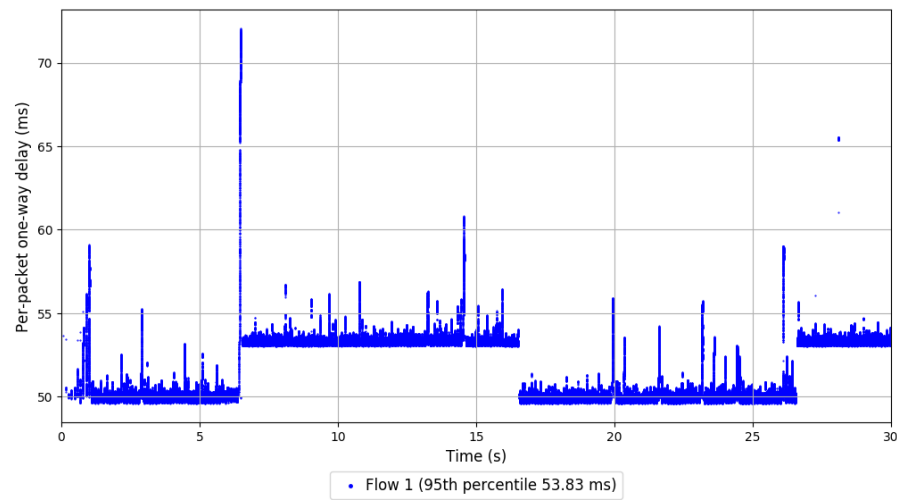
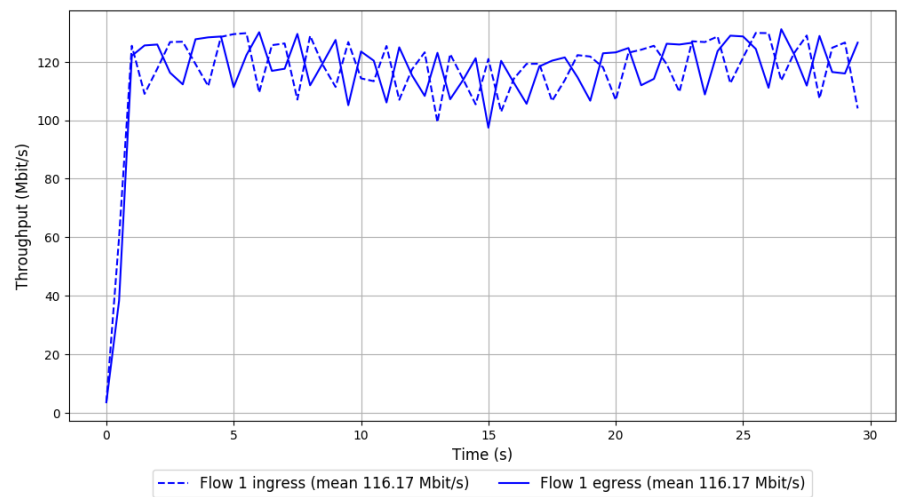
-- Flow 1:

Average throughput: 116.17 Mbit/s

95th percentile per-packet one-way delay: 53.825 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 15:06:56

End at: 2018-04-17 15:07:26

Below is generated by plot.py at 2018-04-17 18:08:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.21 Mbit/s

95th percentile per-packet one-way delay: 61.335 ms

Loss rate: 0.07%

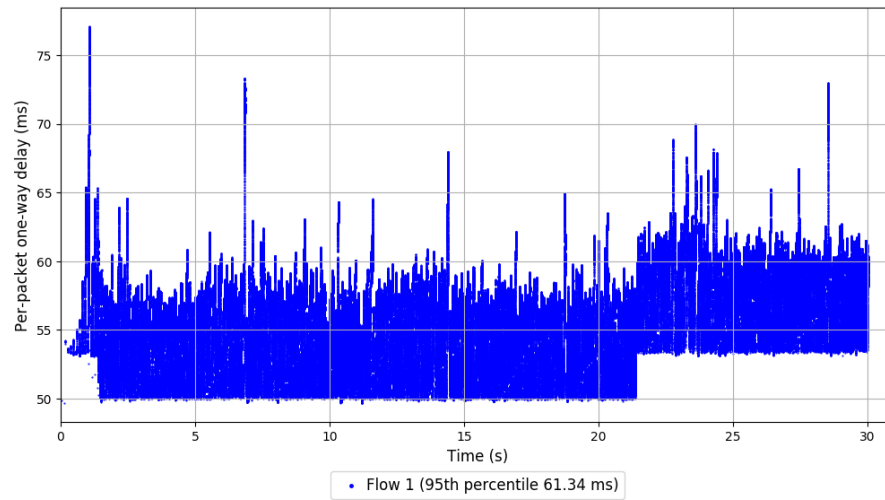
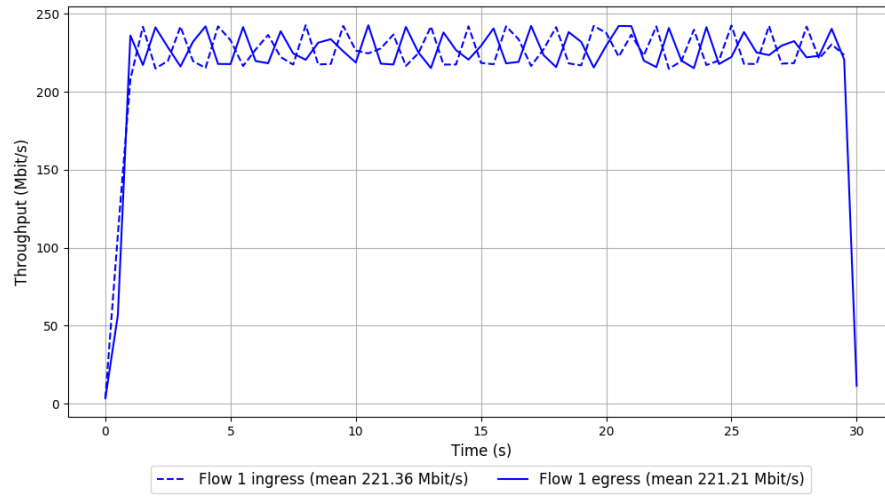
-- Flow 1:

Average throughput: 221.21 Mbit/s

95th percentile per-packet one-way delay: 61.335 ms

Loss rate: 0.07%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 15:19:45

End at: 2018-04-17 15:20:15

Below is generated by plot.py at 2018-04-17 18:08:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.66 Mbit/s

95th percentile per-packet one-way delay: 63.145 ms

Loss rate: 0.00%

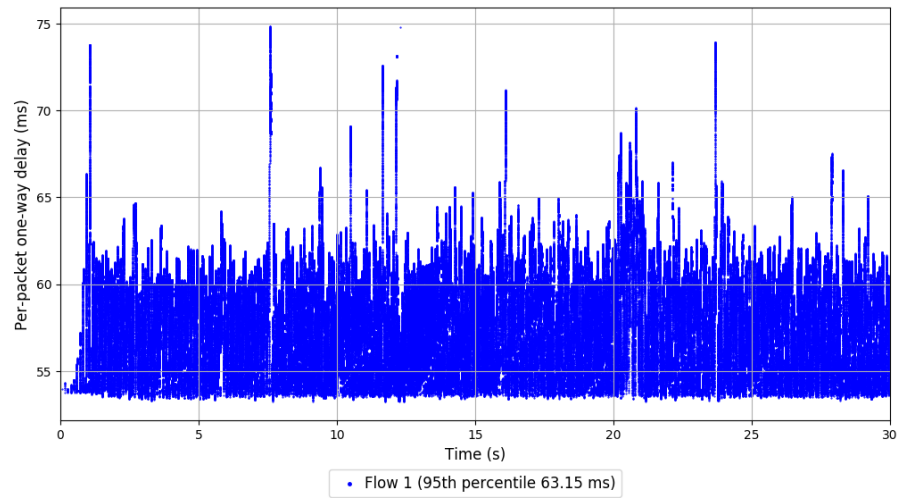
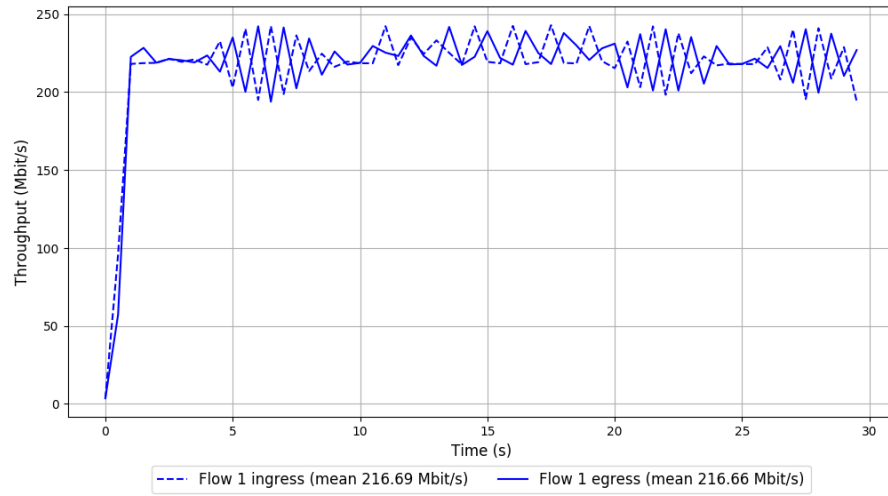
-- Flow 1:

Average throughput: 216.66 Mbit/s

95th percentile per-packet one-way delay: 63.145 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 15:32:39

End at: 2018-04-17 15:33:09

Below is generated by plot.py at 2018-04-17 18:08:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.44 Mbit/s

95th percentile per-packet one-way delay: 61.120 ms

Loss rate: 0.00%

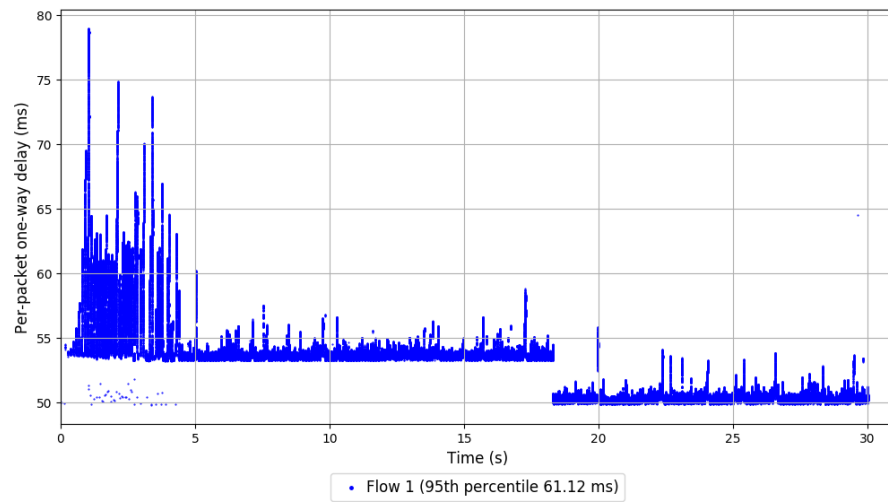
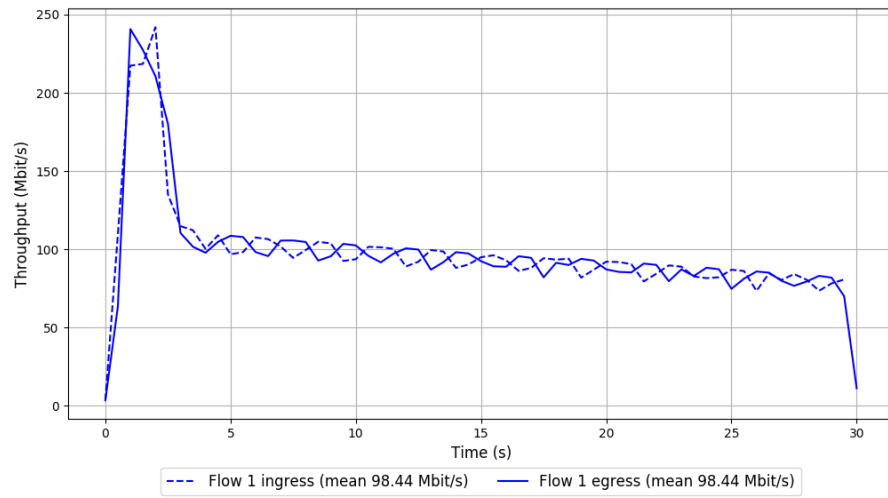
-- Flow 1:

Average throughput: 98.44 Mbit/s

95th percentile per-packet one-way delay: 61.120 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 15:45:23

End at: 2018-04-17 15:45:53

Below is generated by plot.py at 2018-04-17 18:08:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.04 Mbit/s

95th percentile per-packet one-way delay: 54.629 ms

Loss rate: 0.00%

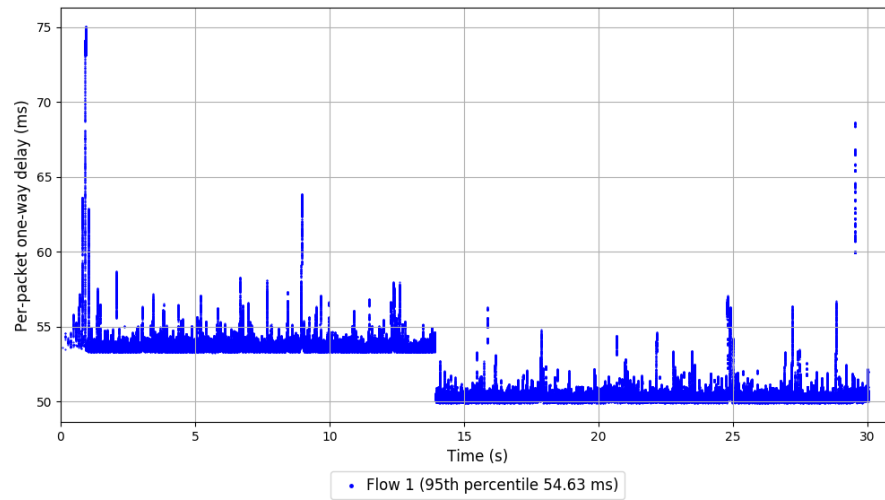
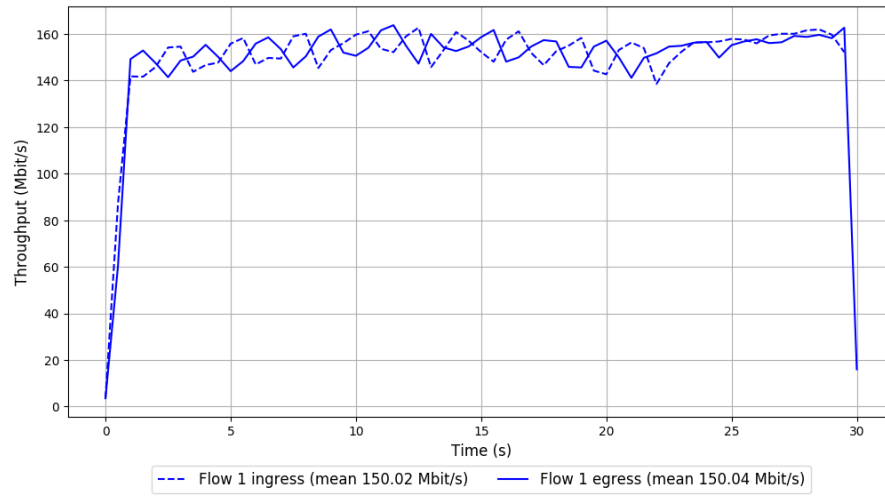
-- Flow 1:

Average throughput: 150.04 Mbit/s

95th percentile per-packet one-way delay: 54.629 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 15:58:13

End at: 2018-04-17 15:58:43

Below is generated by plot.py at 2018-04-17 18:08:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.70 Mbit/s

95th percentile per-packet one-way delay: 66.348 ms

Loss rate: 0.00%

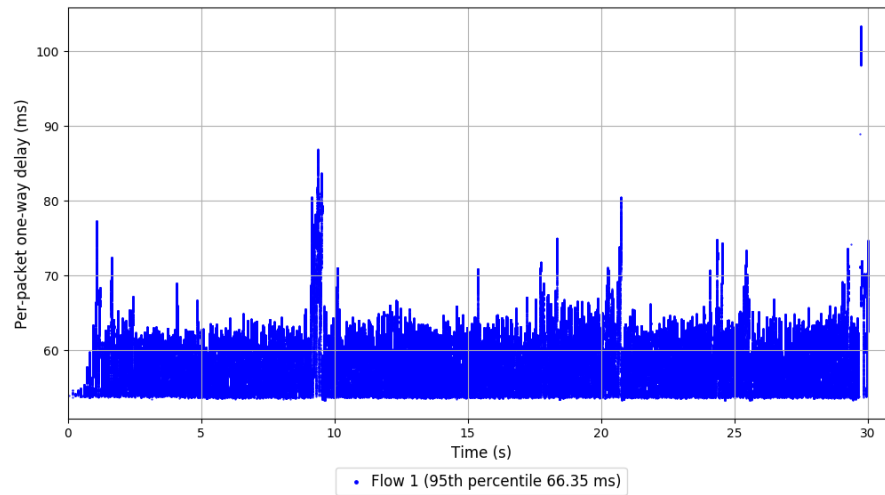
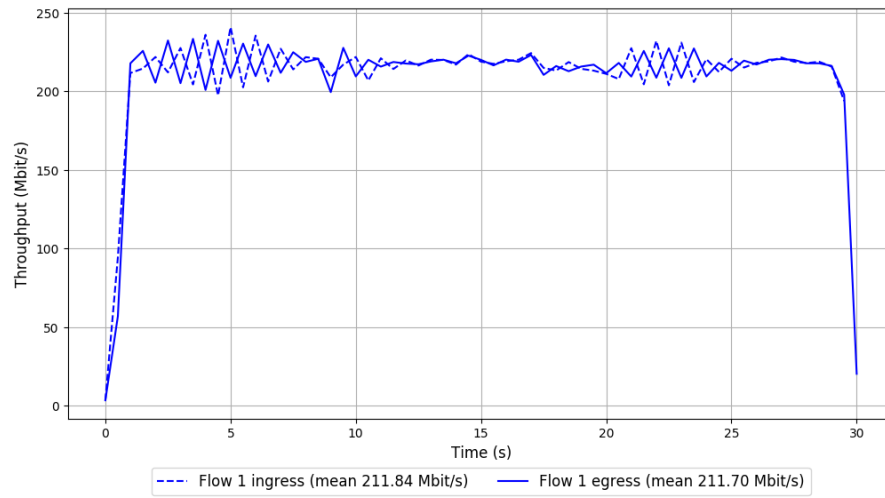
-- Flow 1:

Average throughput: 211.70 Mbit/s

95th percentile per-packet one-way delay: 66.348 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 16:10:58

End at: 2018-04-17 16:11:28

Below is generated by plot.py at 2018-04-17 18:08:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.48 Mbit/s

95th percentile per-packet one-way delay: 55.146 ms

Loss rate: 0.05%

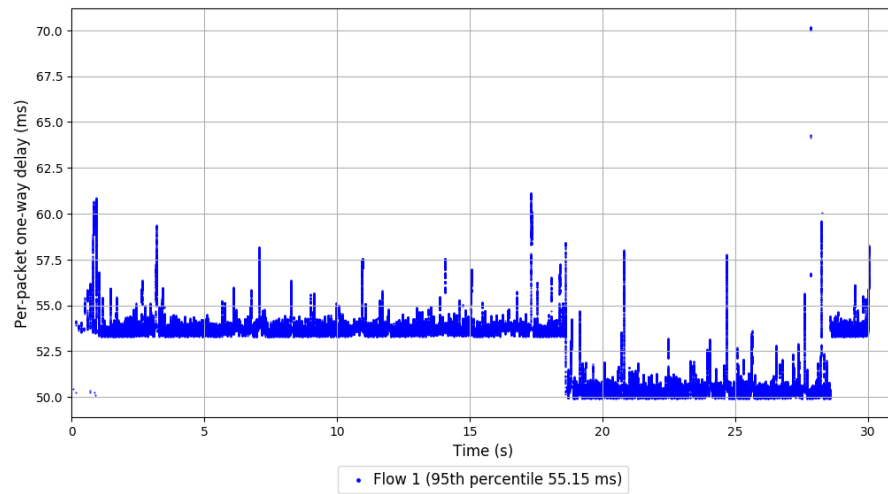
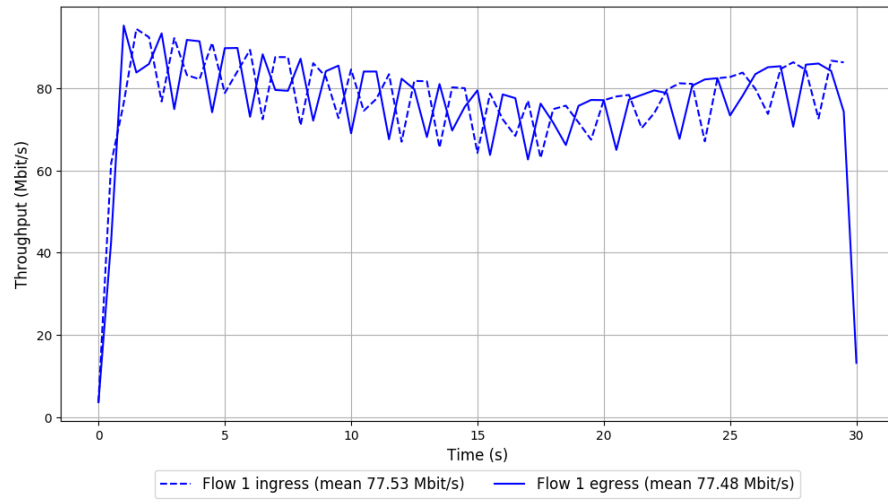
-- Flow 1:

Average throughput: 77.48 Mbit/s

95th percentile per-packet one-way delay: 55.146 ms

Loss rate: 0.05%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 16:23:45

End at: 2018-04-17 16:24:15

Below is generated by plot.py at 2018-04-17 18:08:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.71 Mbit/s

95th percentile per-packet one-way delay: 63.243 ms

Loss rate: 0.05%

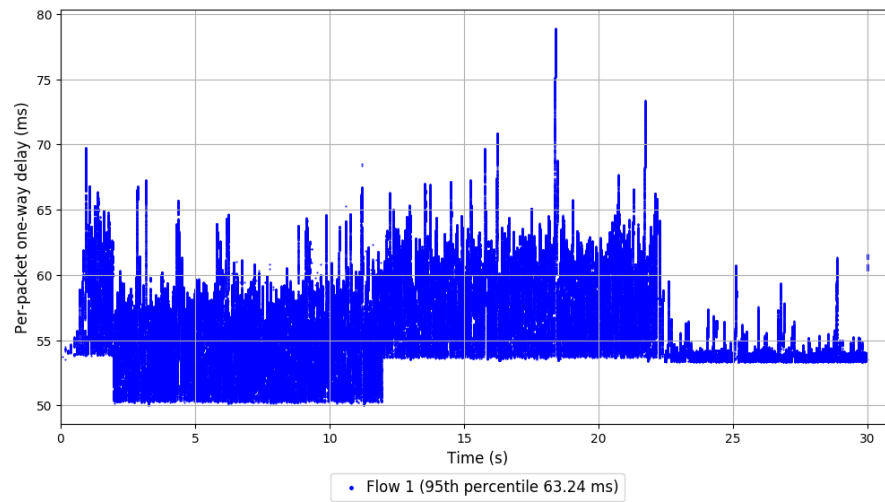
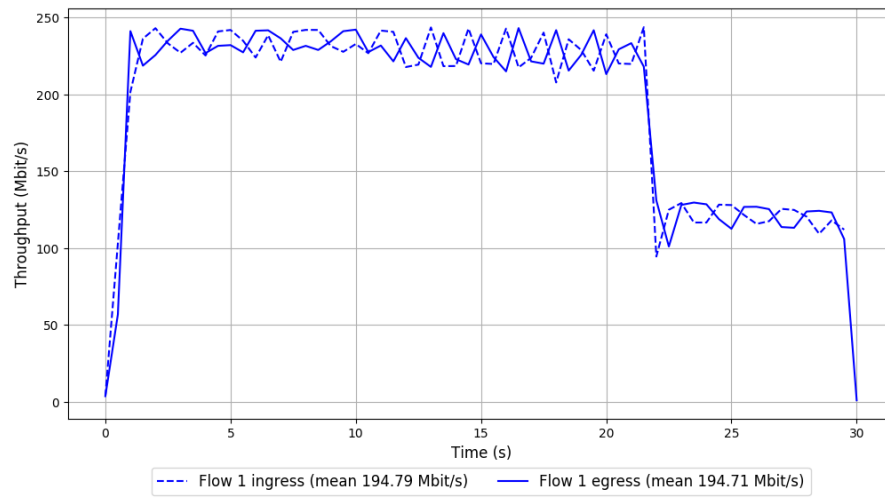
-- Flow 1:

Average throughput: 194.71 Mbit/s

95th percentile per-packet one-way delay: 63.243 ms

Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-17 14:32:59

End at: 2018-04-17 14:33:29

Below is generated by plot.py at 2018-04-17 18:10:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.49 Mbit/s

95th percentile per-packet one-way delay: 132.219 ms

Loss rate: 0.10%

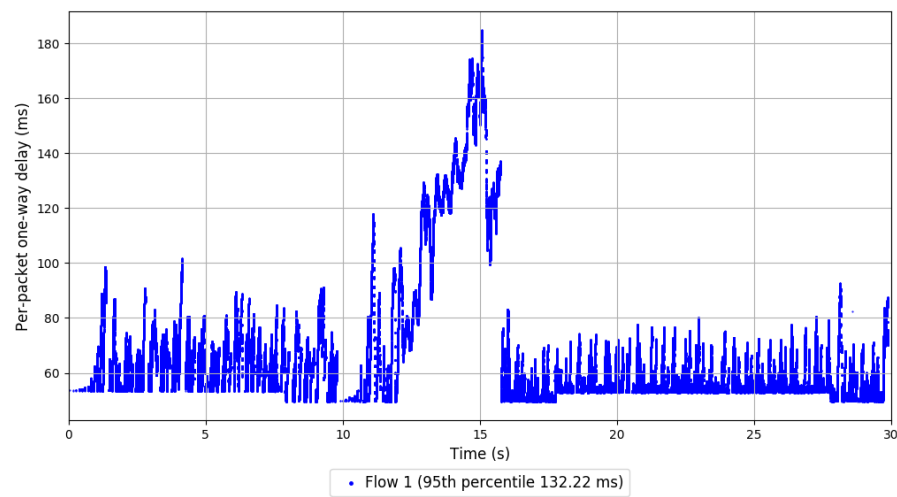
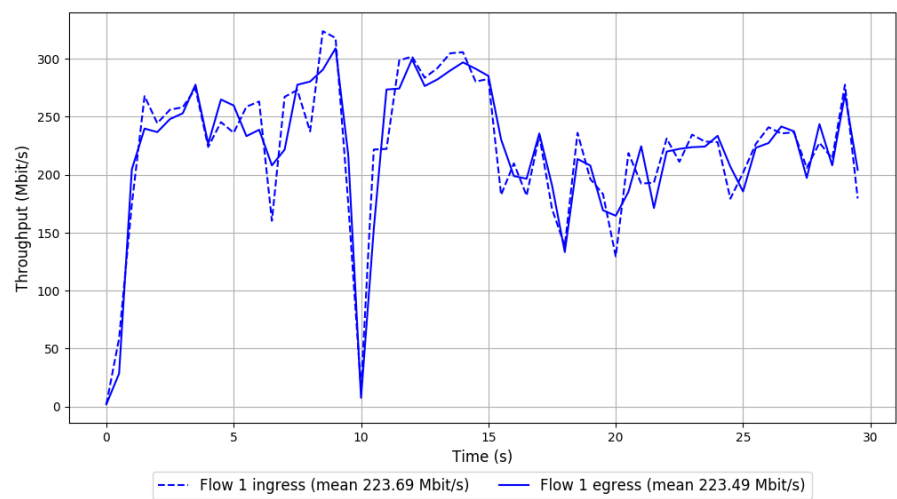
-- Flow 1:

Average throughput: 223.49 Mbit/s

95th percentile per-packet one-way delay: 132.219 ms

Loss rate: 0.10%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-17 14:45:47

End at: 2018-04-17 14:46:17

Below is generated by plot.py at 2018-04-17 18:10:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.76 Mbit/s

95th percentile per-packet one-way delay: 87.677 ms

Loss rate: 0.45%

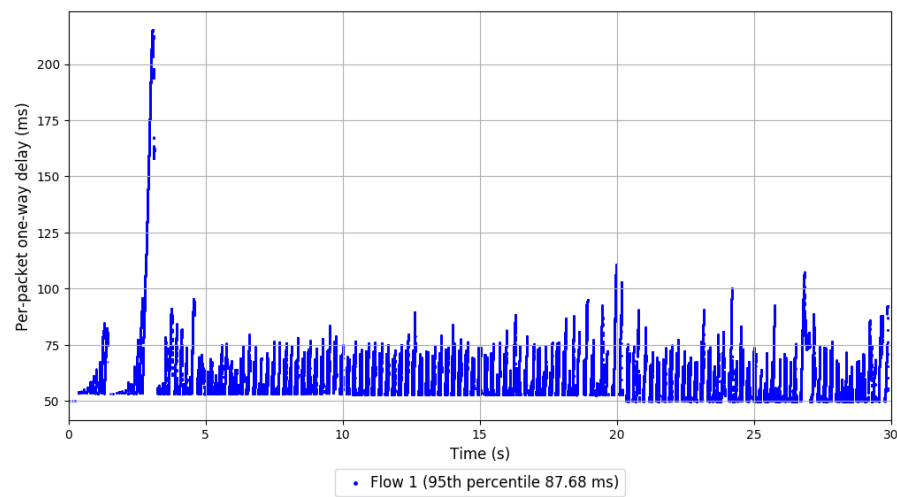
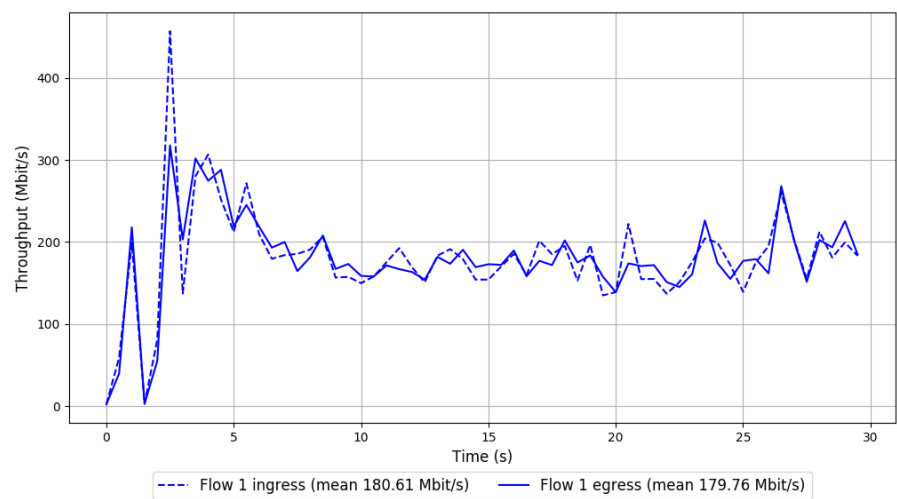
-- Flow 1:

Average throughput: 179.76 Mbit/s

95th percentile per-packet one-way delay: 87.677 ms

Loss rate: 0.45%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-17 14:58:27

End at: 2018-04-17 14:58:57

Below is generated by plot.py at 2018-04-17 18:10:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.54 Mbit/s

95th percentile per-packet one-way delay: 117.921 ms

Loss rate: 0.32%

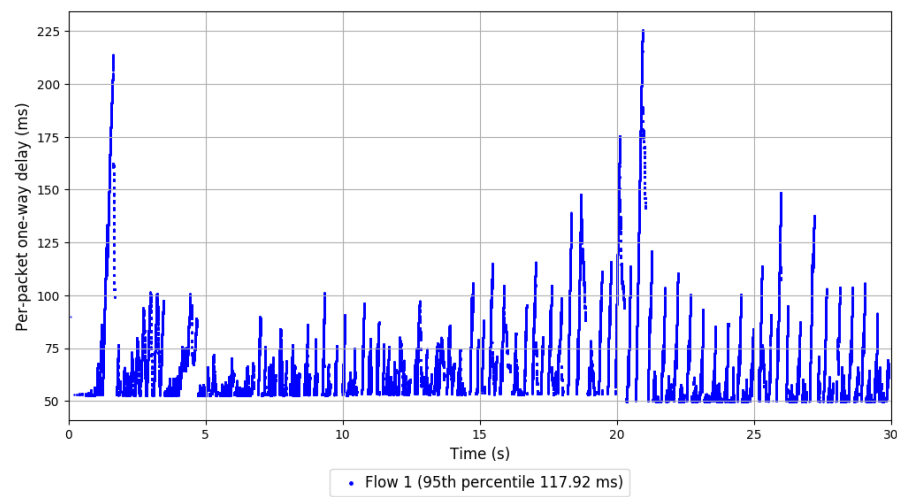
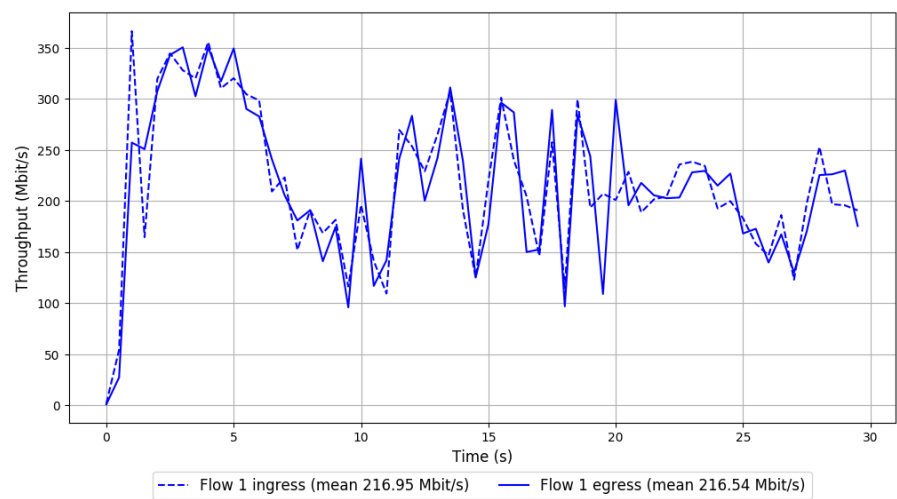
-- Flow 1:

Average throughput: 216.54 Mbit/s

95th percentile per-packet one-way delay: 117.921 ms

Loss rate: 0.32%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-17 15:11:19

End at: 2018-04-17 15:11:49

Below is generated by plot.py at 2018-04-17 18:11:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.09 Mbit/s

95th percentile per-packet one-way delay: 89.833 ms

Loss rate: 1.05%

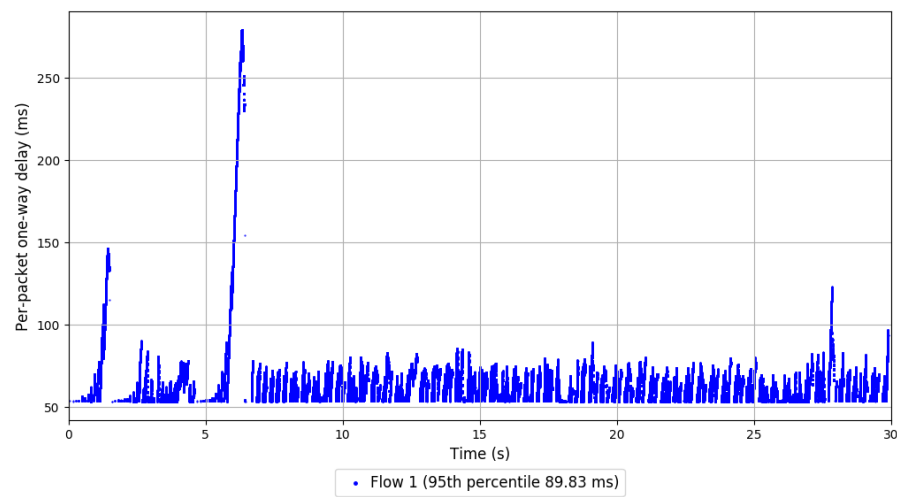
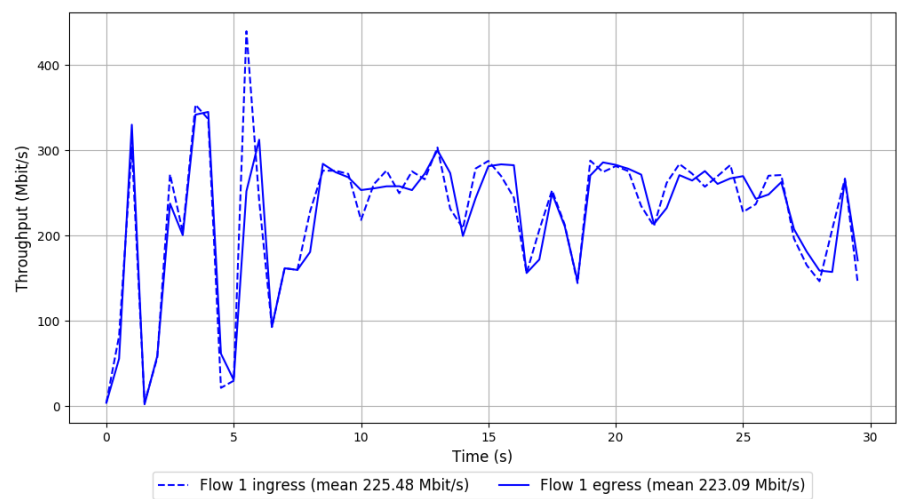
-- Flow 1:

Average throughput: 223.09 Mbit/s

95th percentile per-packet one-way delay: 89.833 ms

Loss rate: 1.05%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 15:24:16

End at: 2018-04-17 15:24:46

Below is generated by plot.py at 2018-04-17 18:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.53 Mbit/s

95th percentile per-packet one-way delay: 144.600 ms

Loss rate: 0.99%

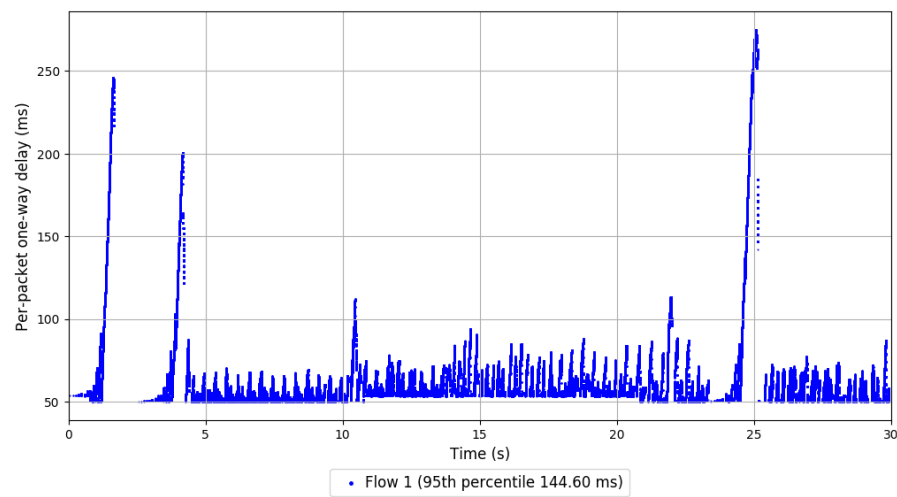
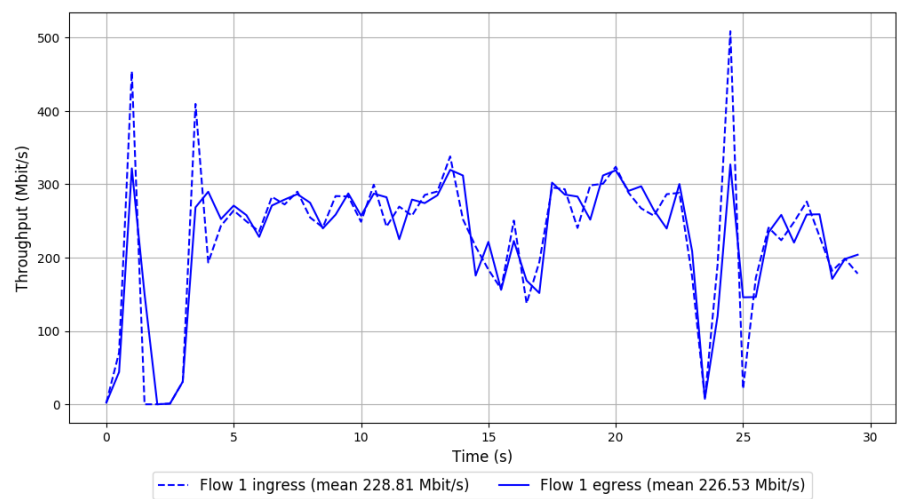
-- Flow 1:

Average throughput: 226.53 Mbit/s

95th percentile per-packet one-way delay: 144.600 ms

Loss rate: 0.99%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-17 15:36:55

End at: 2018-04-17 15:37:25

Below is generated by plot.py at 2018-04-17 18:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.28 Mbit/s

95th percentile per-packet one-way delay: 93.227 ms

Loss rate: 0.73%

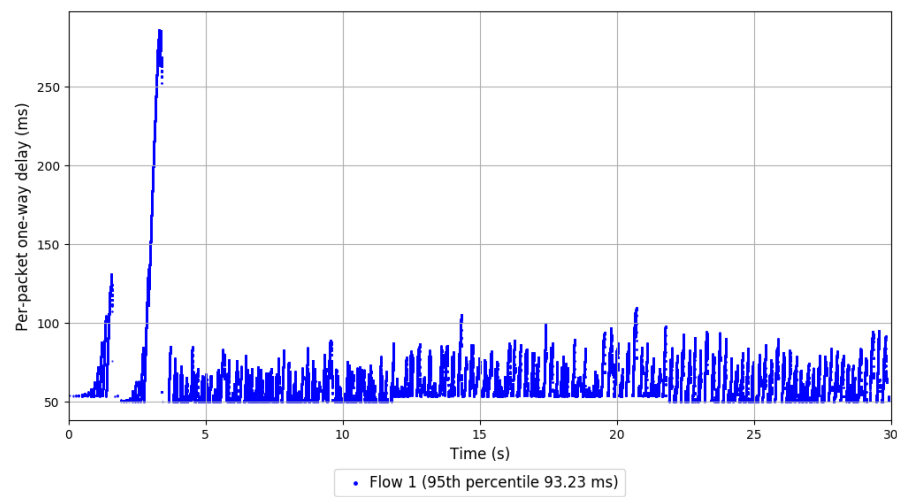
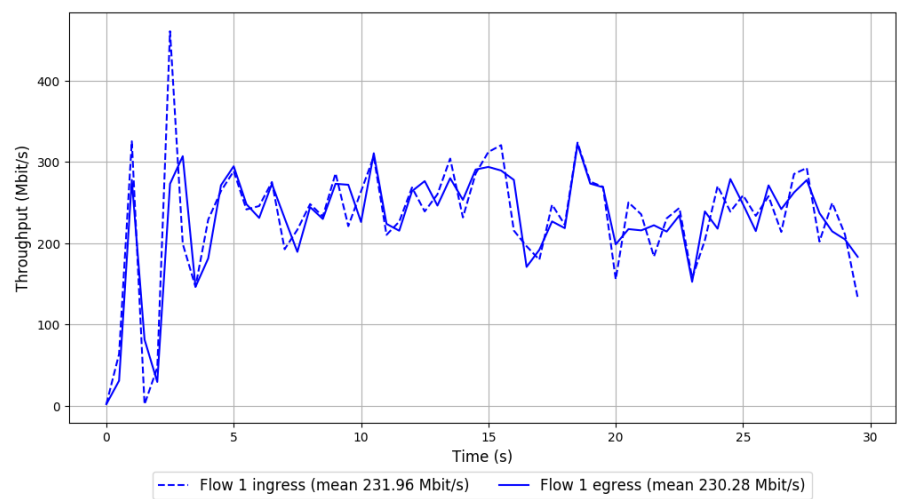
-- Flow 1:

Average throughput: 230.28 Mbit/s

95th percentile per-packet one-way delay: 93.227 ms

Loss rate: 0.73%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-17 15:49:41

End at: 2018-04-17 15:50:11

Below is generated by plot.py at 2018-04-17 18:12:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.46 Mbit/s

95th percentile per-packet one-way delay: 94.689 ms

Loss rate: 1.19%

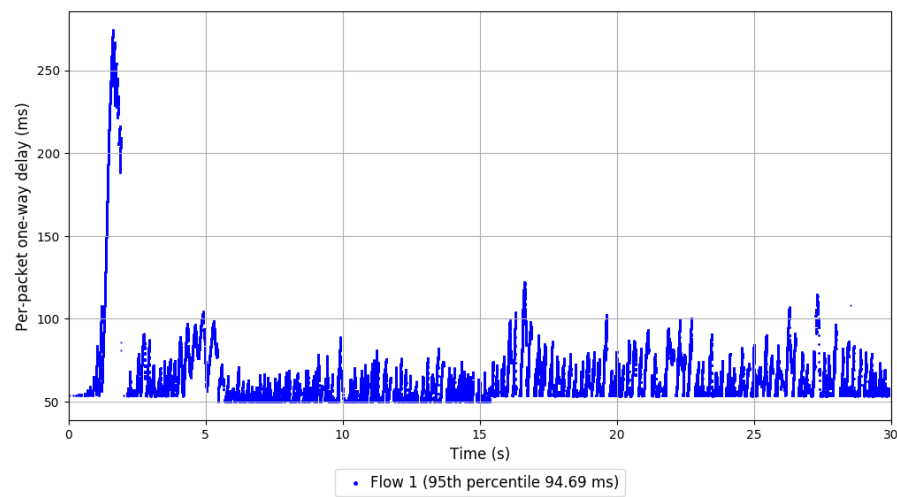
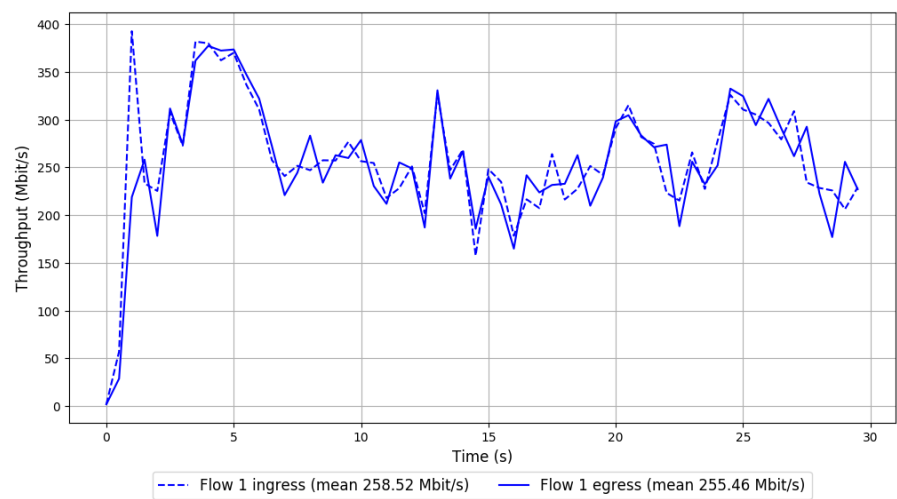
-- Flow 1:

Average throughput: 255.46 Mbit/s

95th percentile per-packet one-way delay: 94.689 ms

Loss rate: 1.19%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 16:02:32

End at: 2018-04-17 16:03:02

Below is generated by plot.py at 2018-04-17 18:13:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.78 Mbit/s

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

Loss rate: 0.58%

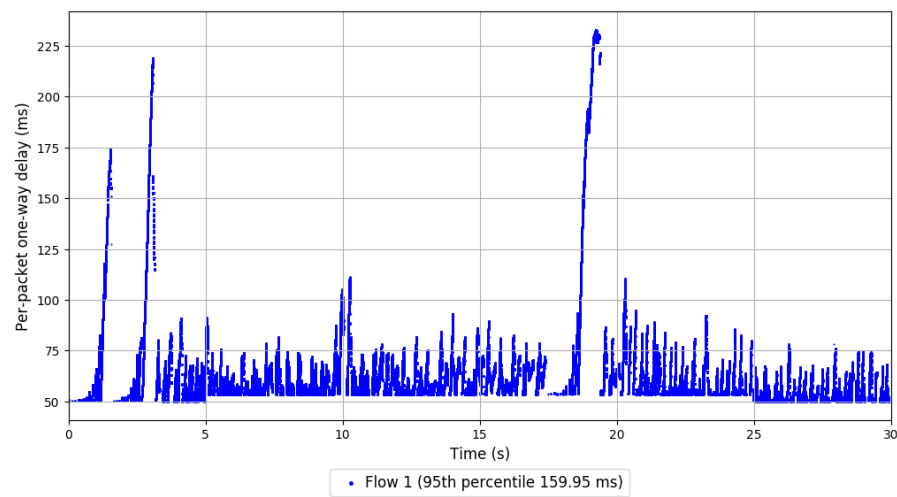
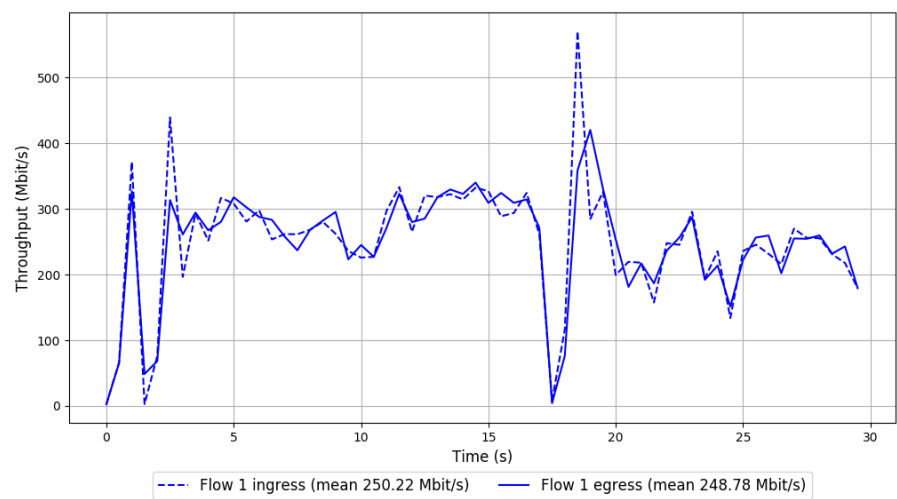
-- Flow 1:

Average throughput: 248.78 Mbit/s

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

Loss rate: 0.58%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 16:15:14

End at: 2018-04-17 16:15:44

Below is generated by plot.py at 2018-04-17 18:13:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.36 Mbit/s

95th percentile per-packet one-way delay: 133.960 ms

Loss rate: 3.17%

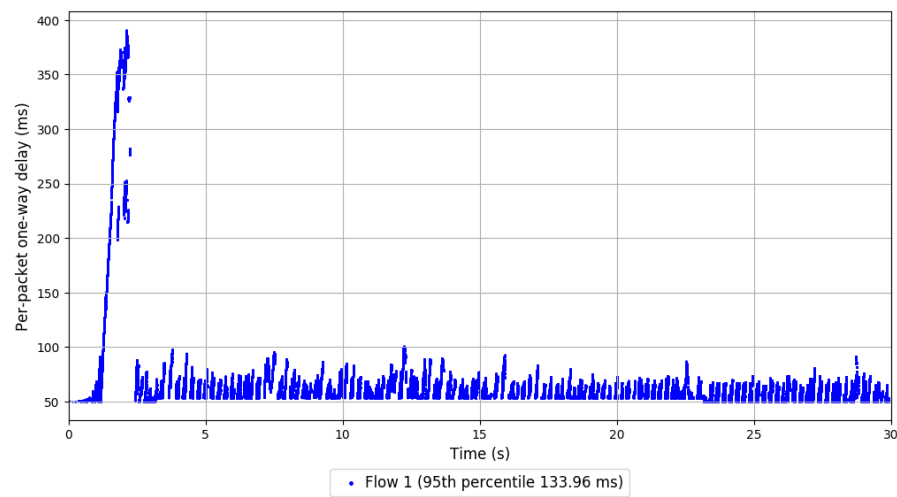
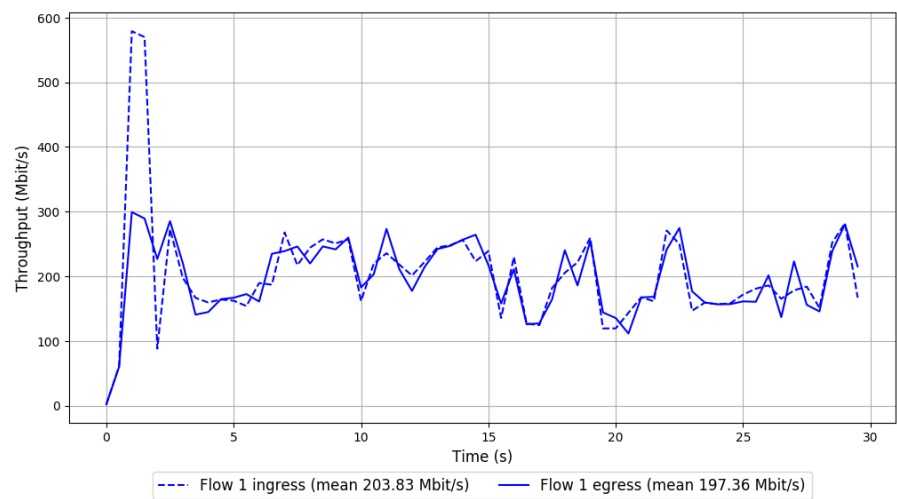
-- Flow 1:

Average throughput: 197.36 Mbit/s

95th percentile per-packet one-way delay: 133.960 ms

Loss rate: 3.17%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 16:28:12

End at: 2018-04-17 16:28:42

Below is generated by plot.py at 2018-04-17 18:14:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.85 Mbit/s

95th percentile per-packet one-way delay: 95.083 ms

Loss rate: 1.22%

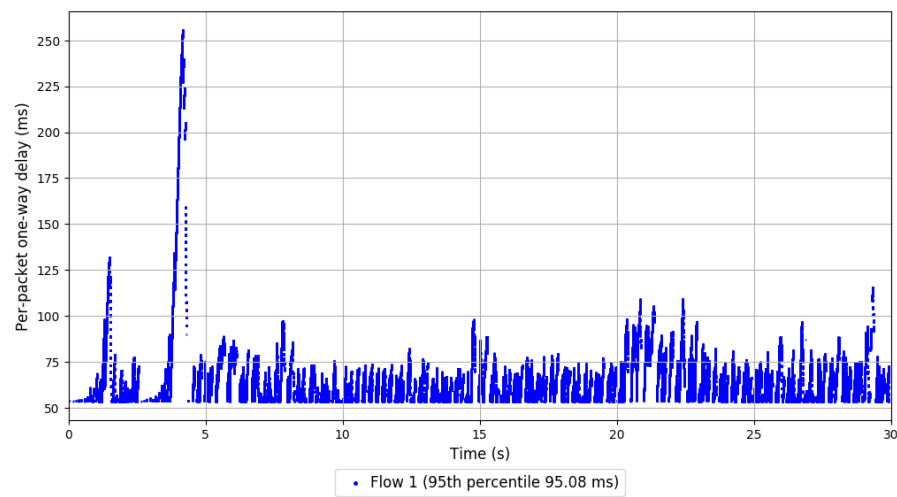
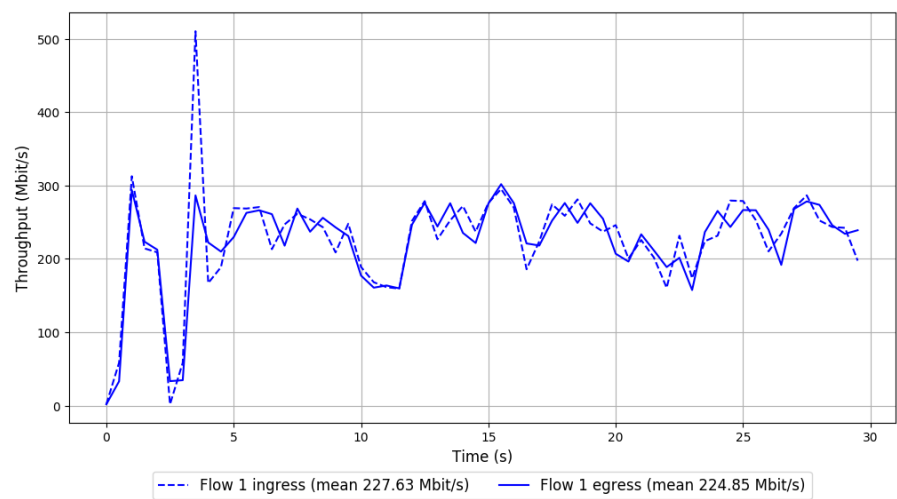
-- Flow 1:

Average throughput: 224.85 Mbit/s

95th percentile per-packet one-way delay: 95.083 ms

Loss rate: 1.22%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-17 14:25:58

End at: 2018-04-17 14:26:28

Below is generated by plot.py at 2018-04-17 18:14:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 53.359 ms

Loss rate: 0.01%

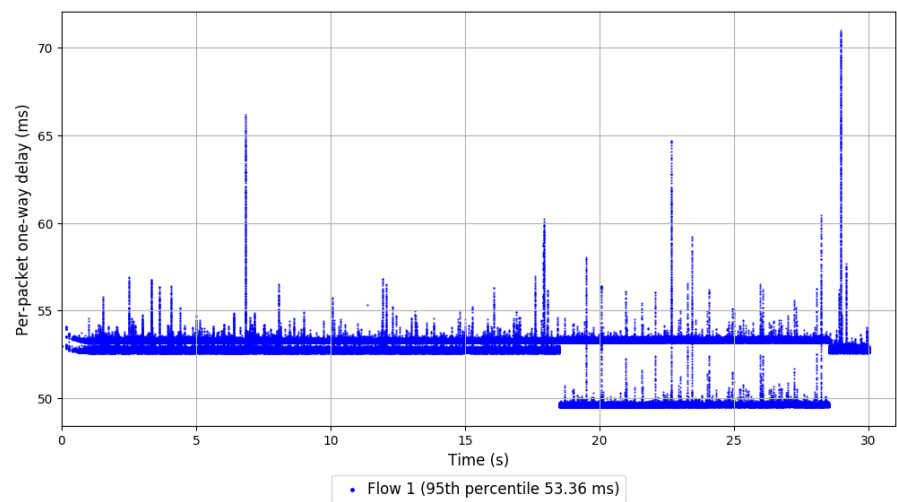
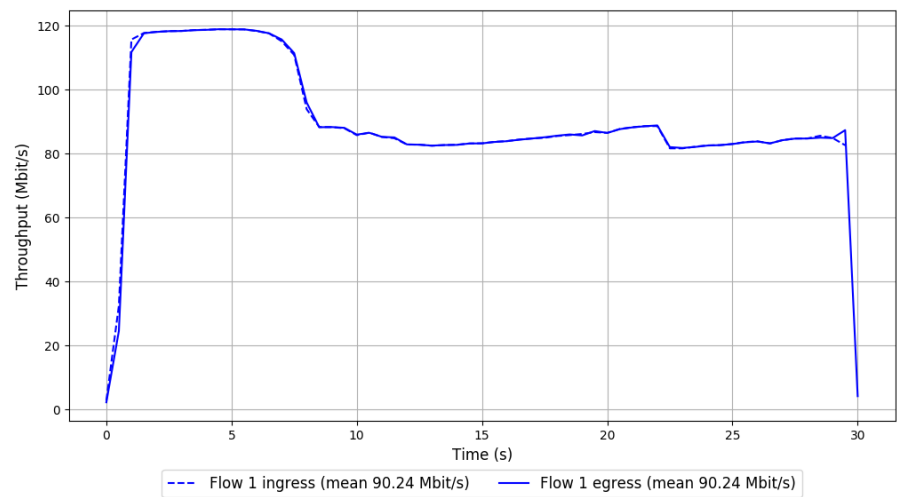
-- Flow 1:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 53.359 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link

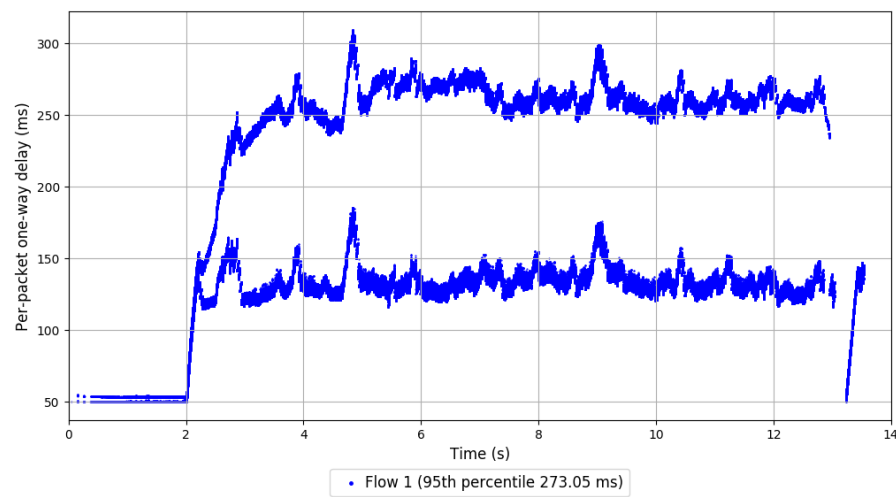
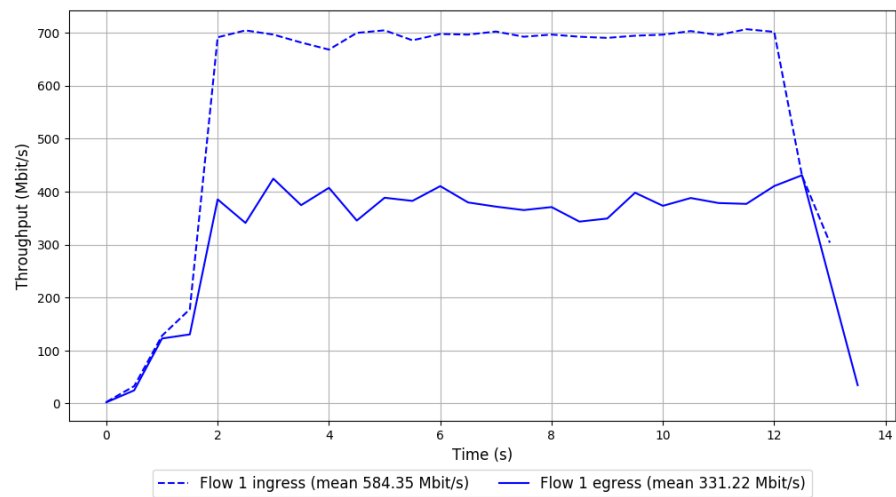


Run 2: Statistics of Copa

Start at: 2018-04-17 14:38:45

End at: 2018-04-17 14:39:15

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-17 14:51:34

End at: 2018-04-17 14:52:04

Below is generated by plot.py at 2018-04-17 18:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.10 Mbit/s

95th percentile per-packet one-way delay: 53.207 ms

Loss rate: 0.01%

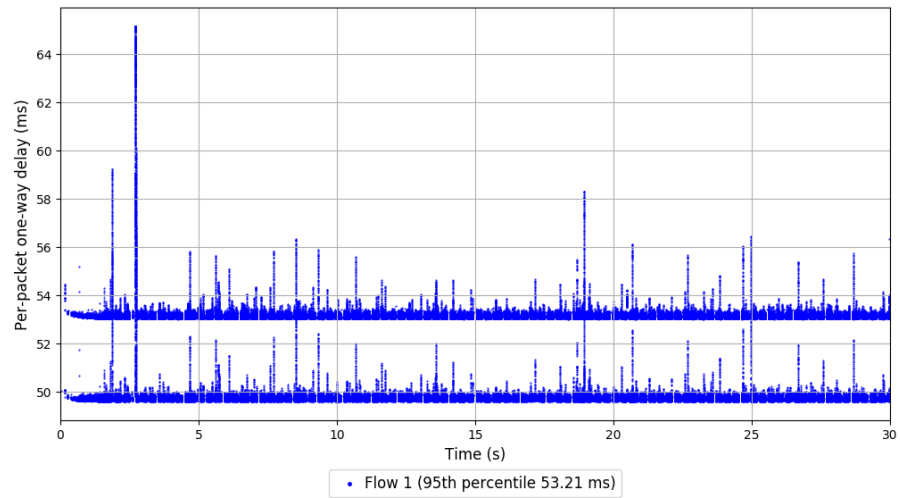
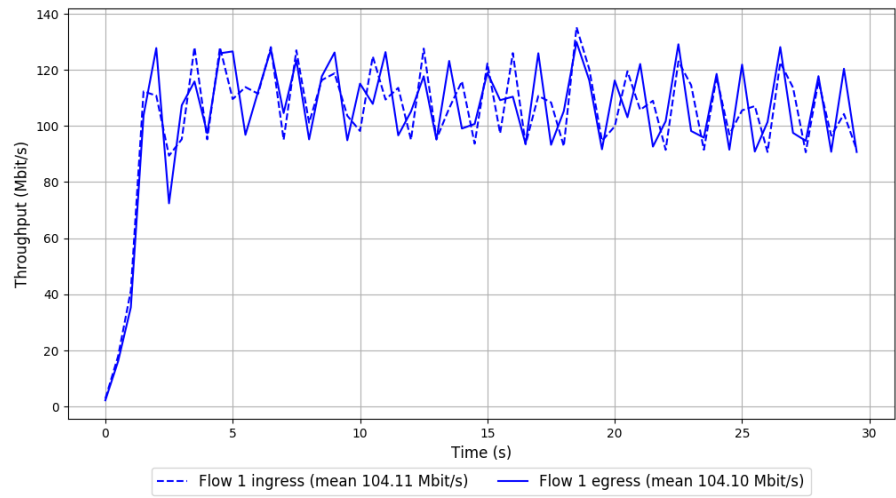
-- Flow 1:

Average throughput: 104.10 Mbit/s

95th percentile per-packet one-way delay: 53.207 ms

Loss rate: 0.01%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-17 15:04:18

End at: 2018-04-17 15:04:48

Below is generated by plot.py at 2018-04-17 18:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.24 Mbit/s

95th percentile per-packet one-way delay: 53.156 ms

Loss rate: 0.01%

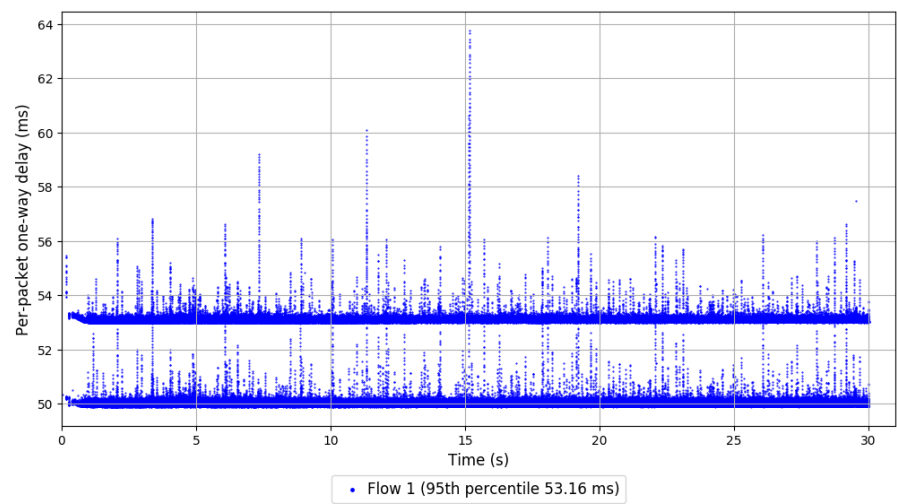
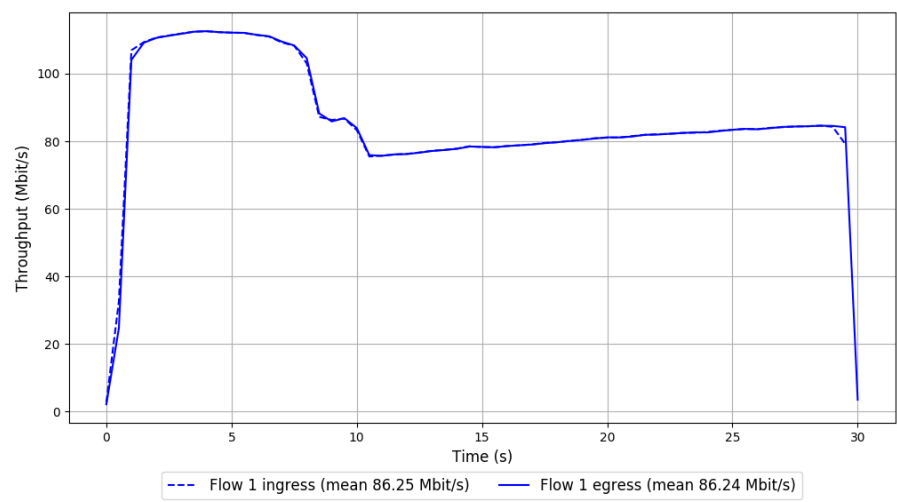
-- Flow 1:

Average throughput: 86.24 Mbit/s

95th percentile per-packet one-way delay: 53.156 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-17 15:17:10

End at: 2018-04-17 15:17:40

Below is generated by plot.py at 2018-04-17 18:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.70 Mbit/s

95th percentile per-packet one-way delay: 53.366 ms

Loss rate: 0.01%

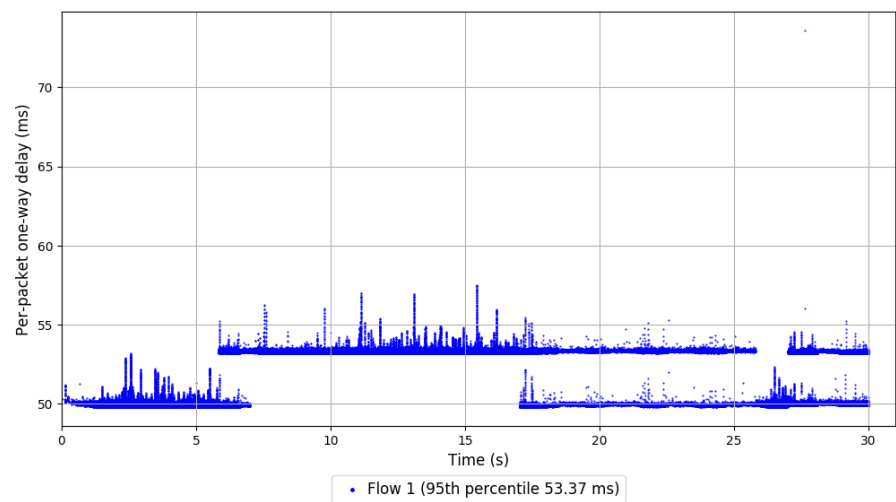
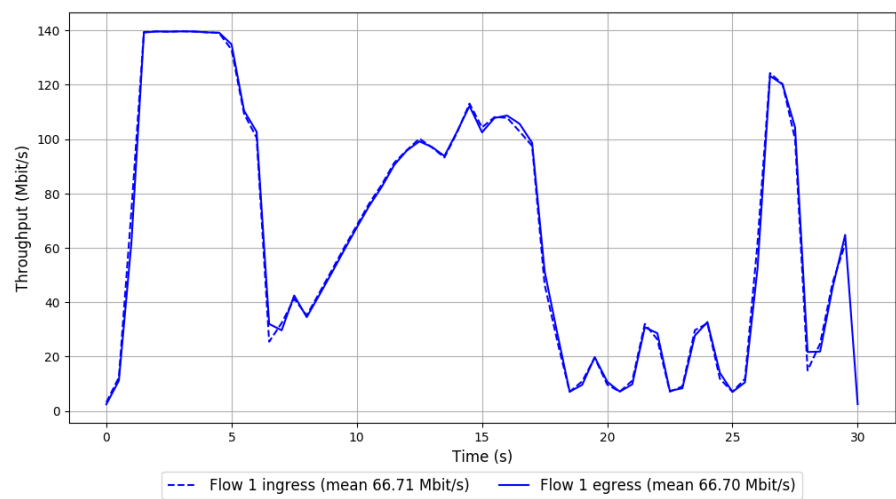
-- Flow 1:

Average throughput: 66.70 Mbit/s

95th percentile per-packet one-way delay: 53.366 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-17 15:30:02

End at: 2018-04-17 15:30:32

Below is generated by plot.py at 2018-04-17 18:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 53.647 ms

Loss rate: 0.01%

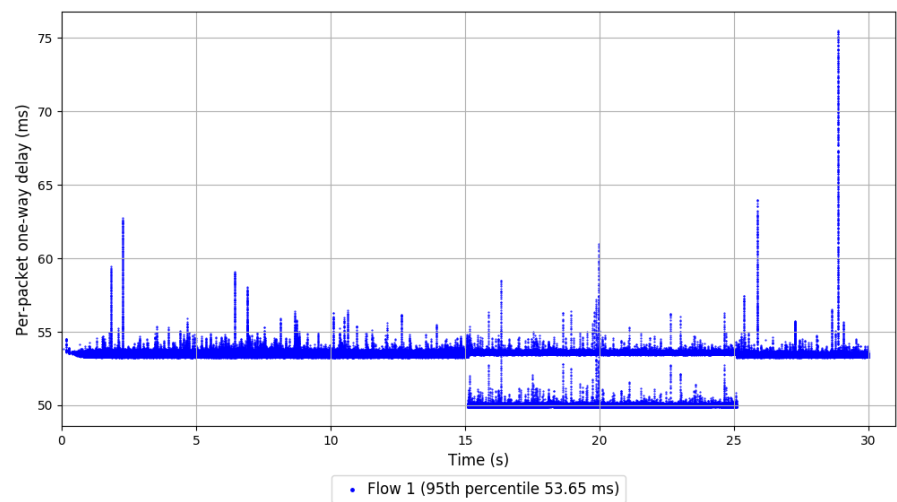
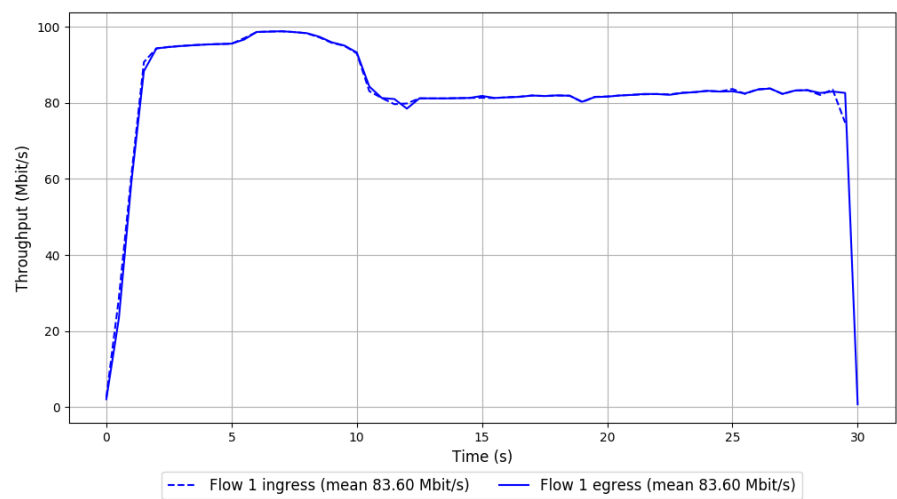
-- Flow 1:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 53.647 ms

Loss rate: 0.01%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-17 15:42:46

End at: 2018-04-17 15:43:16

Below is generated by plot.py at 2018-04-17 18:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.84 Mbit/s

95th percentile per-packet one-way delay: 53.639 ms

Loss rate: 0.01%

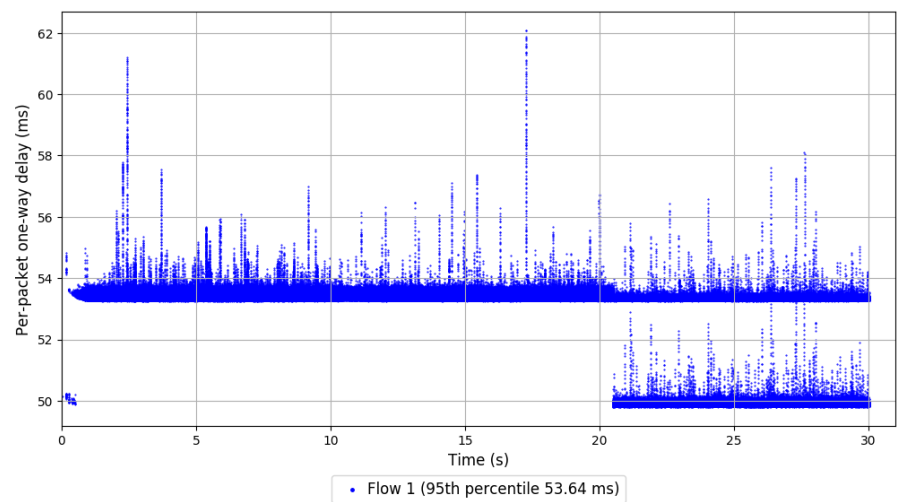
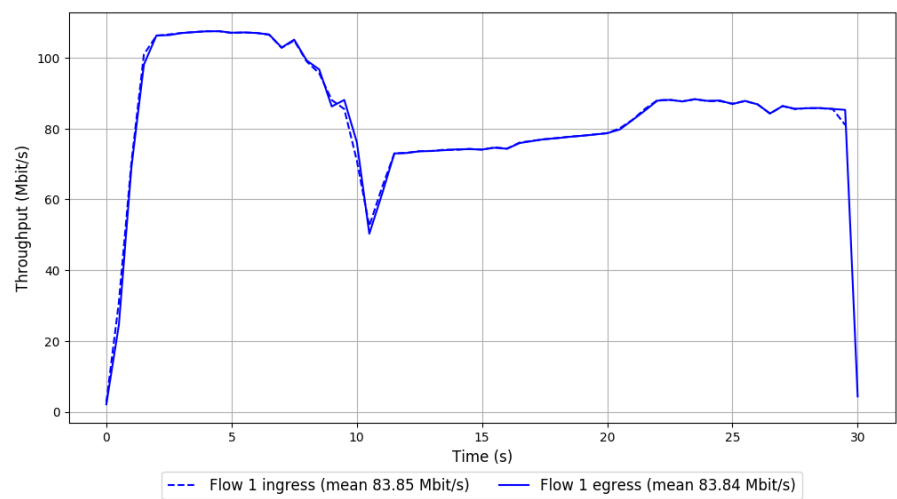
-- Flow 1:

Average throughput: 83.84 Mbit/s

95th percentile per-packet one-way delay: 53.639 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 15:55:35

End at: 2018-04-17 15:56:05

Below is generated by plot.py at 2018-04-17 18:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.09 Mbit/s

95th percentile per-packet one-way delay: 53.523 ms

Loss rate: 0.01%

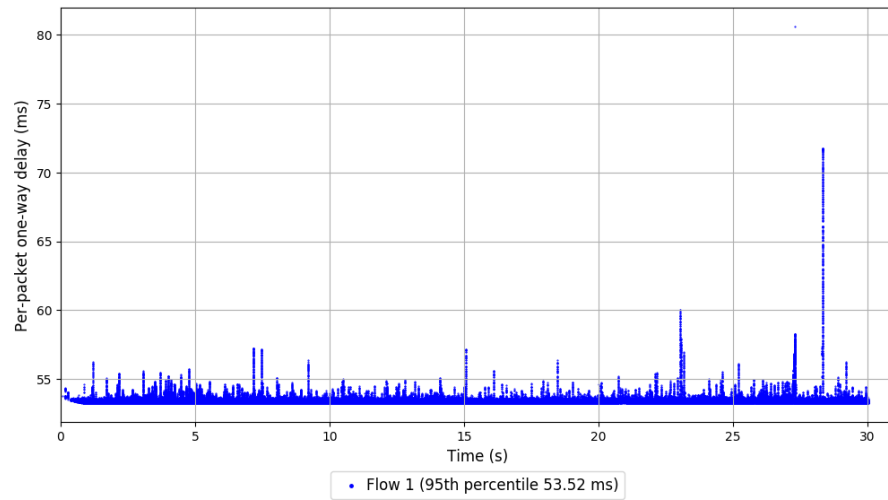
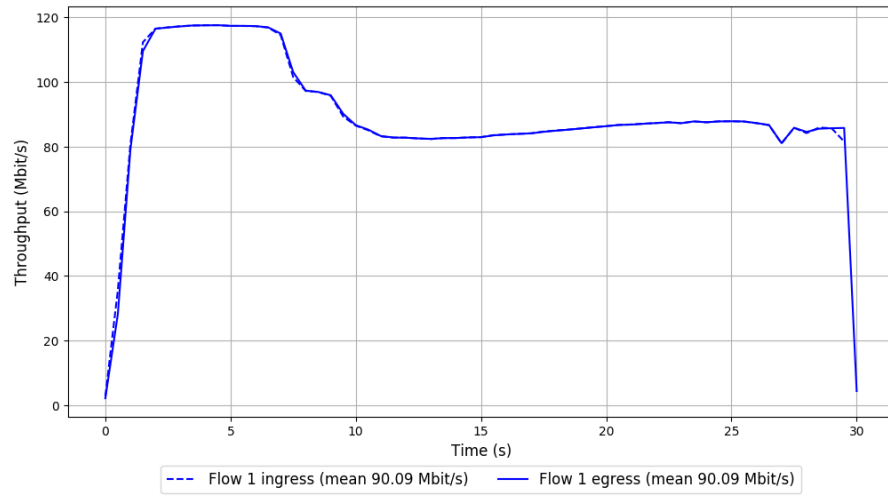
-- Flow 1:

Average throughput: 90.09 Mbit/s

95th percentile per-packet one-way delay: 53.523 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-17 16:08:22

End at: 2018-04-17 16:08:52

Below is generated by plot.py at 2018-04-17 18:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.95 Mbit/s

95th percentile per-packet one-way delay: 53.665 ms

Loss rate: 0.00%

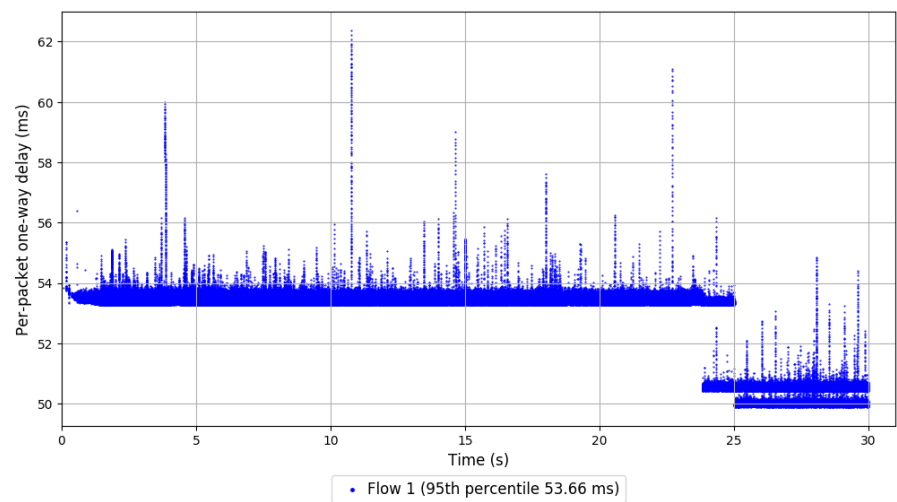
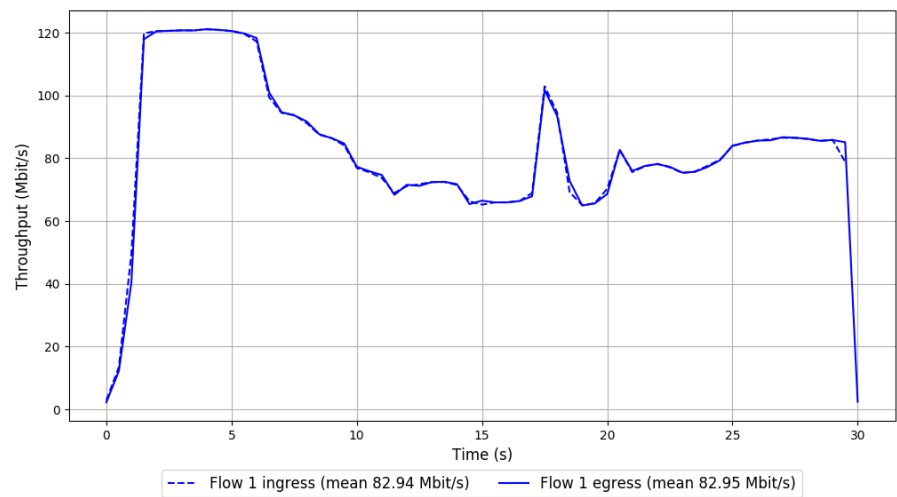
-- Flow 1:

Average throughput: 82.95 Mbit/s

95th percentile per-packet one-way delay: 53.665 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 16:20:56

End at: 2018-04-17 16:21:26

Below is generated by plot.py at 2018-04-17 18:20:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.97 Mbit/s

95th percentile per-packet one-way delay: 235.535 ms

Loss rate: 34.20%

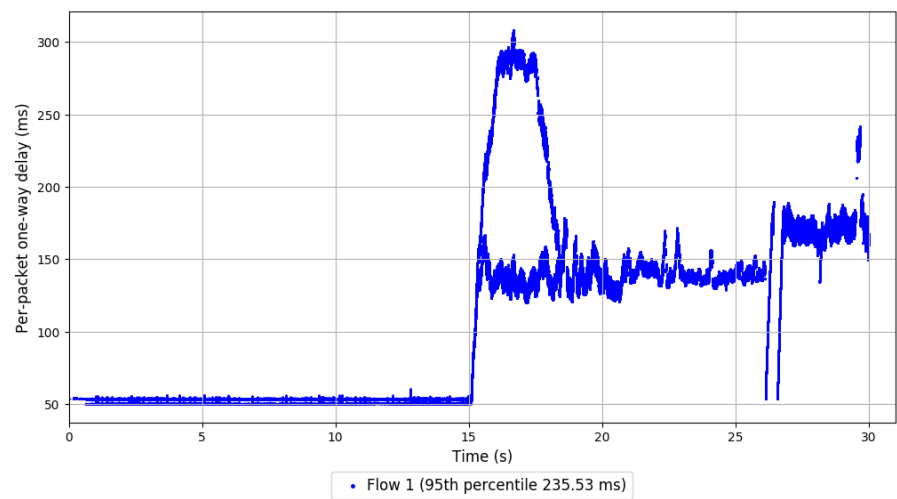
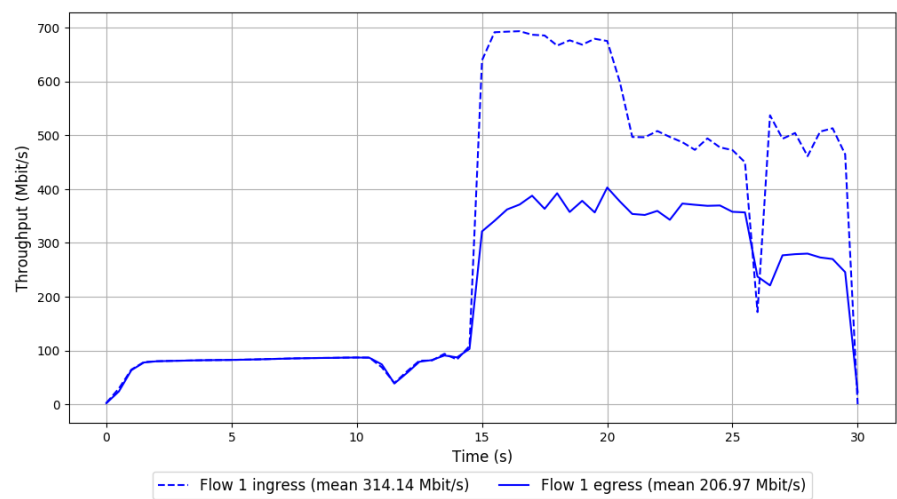
-- Flow 1:

Average throughput: 206.97 Mbit/s

95th percentile per-packet one-way delay: 235.535 ms

Loss rate: 34.20%

Run 10: Report of Copa — Data Link

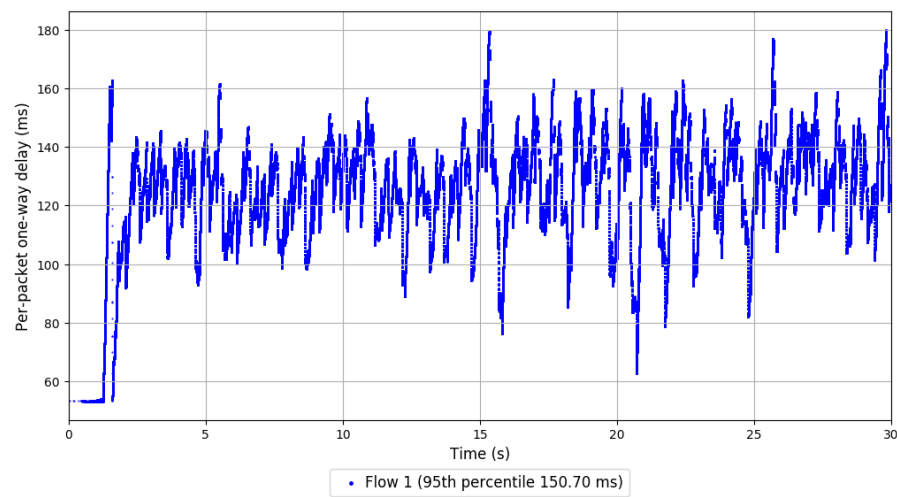
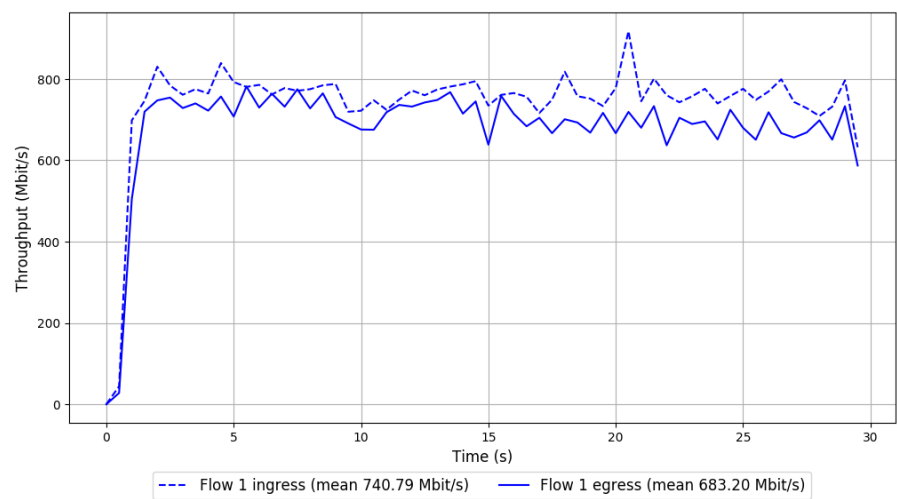


```
Run 1: Statistics of FillP

Start at: 2018-04-17 14:35:18
End at: 2018-04-17 14:35:48

# Below is generated by plot.py at 2018-04-17 18:27:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 683.20 Mbit/s
95th percentile per-packet one-way delay: 150.696 ms
Loss rate: 7.78%
-- Flow 1:
Average throughput: 683.20 Mbit/s
95th percentile per-packet one-way delay: 150.696 ms
Loss rate: 7.78%
```

Run 1: Report of FillP — Data Link

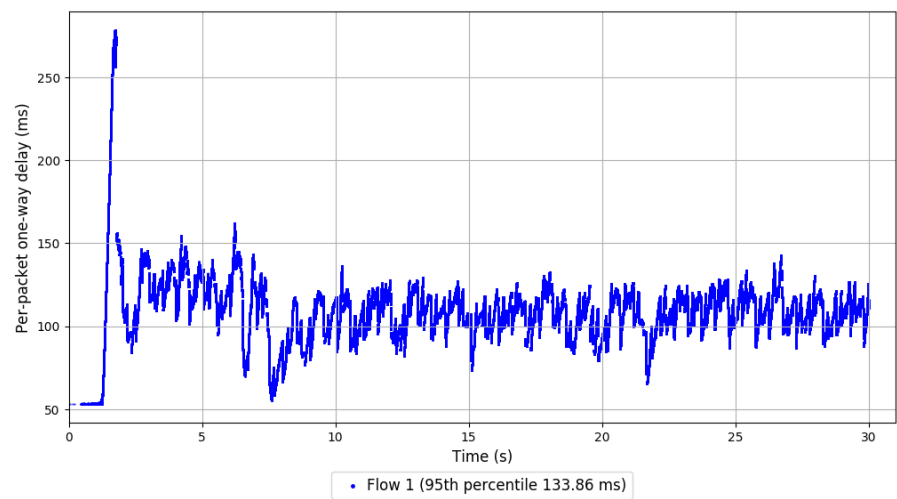
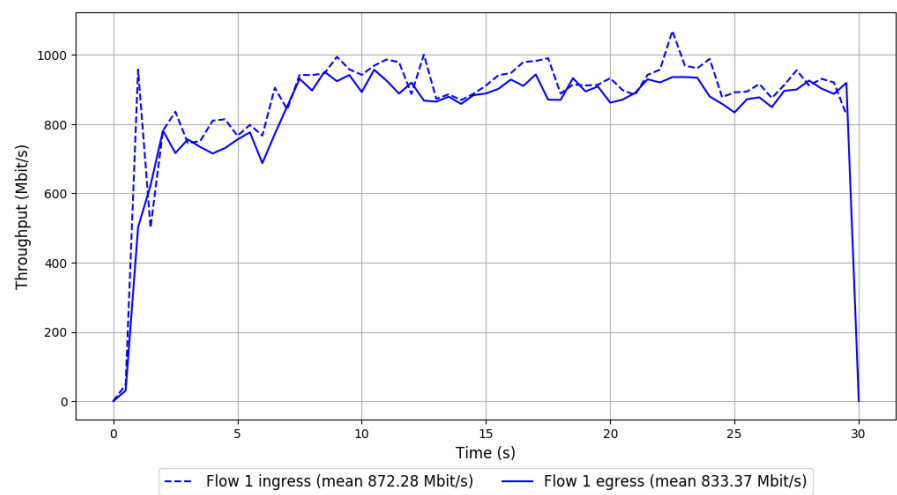


```
Run 2: Statistics of FillP

Start at: 2018-04-17 14:48:01
End at: 2018-04-17 14:48:31

# Below is generated by plot.py at 2018-04-17 18:29:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 833.37 Mbit/s
95th percentile per-packet one-way delay: 133.864 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 833.37 Mbit/s
95th percentile per-packet one-way delay: 133.864 ms
Loss rate: 4.47%
```

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-17 15:00:45

End at: 2018-04-17 15:01:15

Below is generated by plot.py at 2018-04-17 18:29:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 697.70 Mbit/s

95th percentile per-packet one-way delay: 145.832 ms

Loss rate: 7.21%

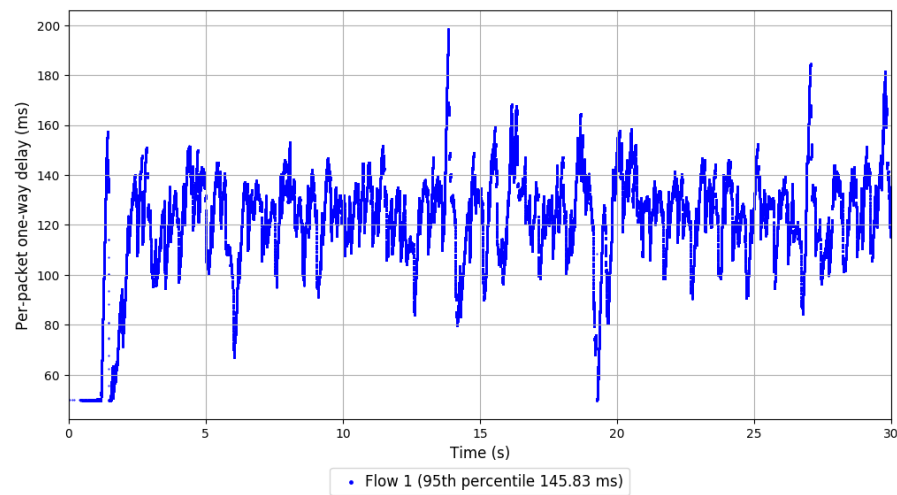
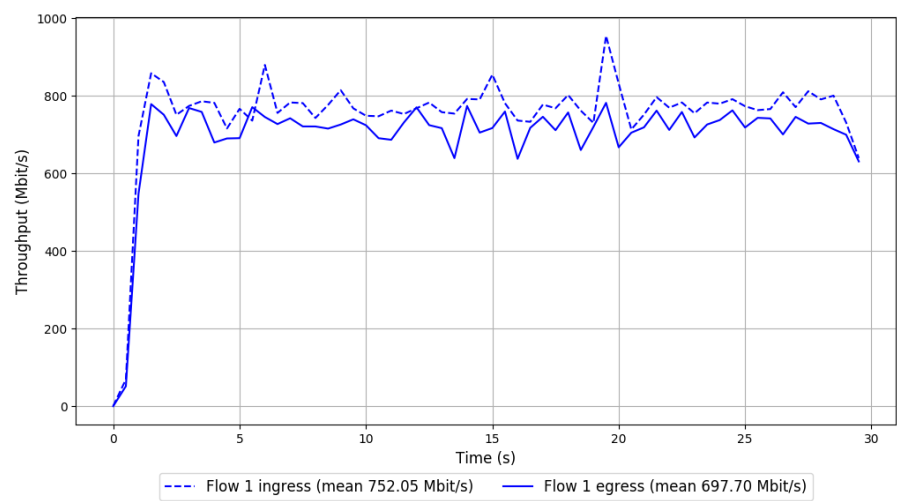
-- Flow 1:

Average throughput: 697.70 Mbit/s

95th percentile per-packet one-way delay: 145.832 ms

Loss rate: 7.21%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 15:13:37

End at: 2018-04-17 15:14:07

Below is generated by plot.py at 2018-04-17 18:29:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 673.56 Mbit/s

95th percentile per-packet one-way delay: 145.796 ms

Loss rate: 5.40%

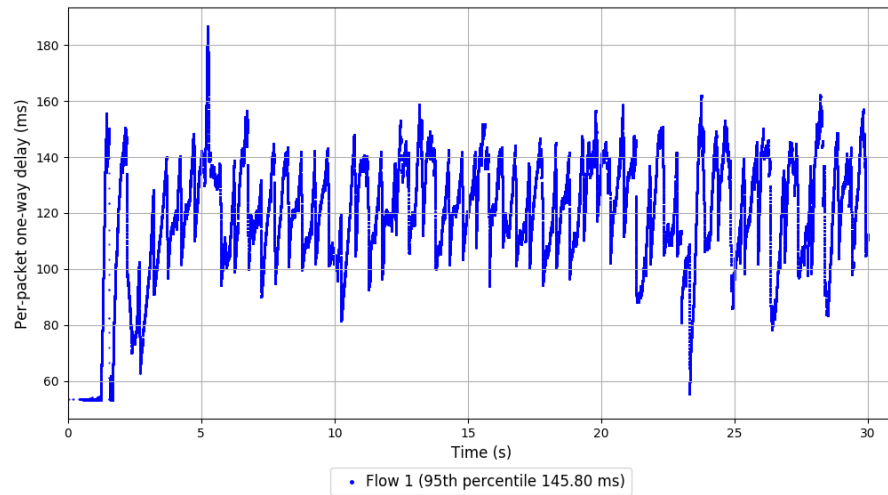
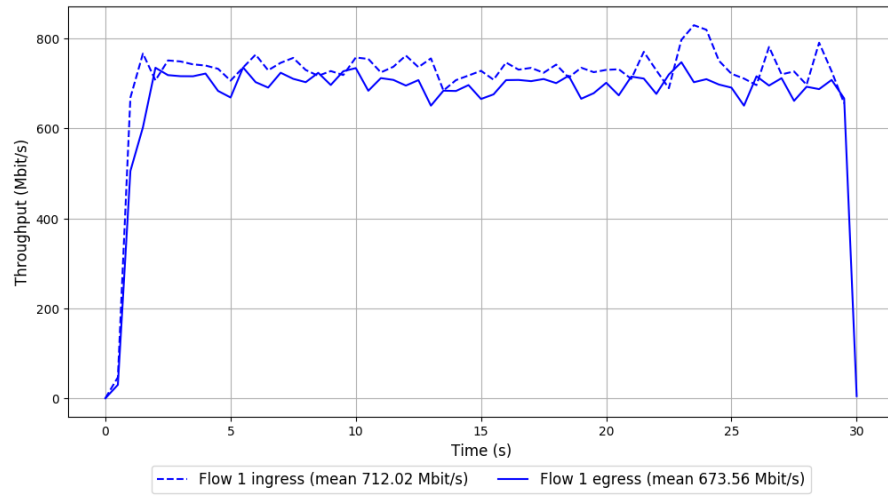
-- Flow 1:

Average throughput: 673.56 Mbit/s

95th percentile per-packet one-way delay: 145.796 ms

Loss rate: 5.40%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-17 15:26:33

End at: 2018-04-17 15:27:04

Below is generated by plot.py at 2018-04-17 18:29:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 676.42 Mbit/s

95th percentile per-packet one-way delay: 149.454 ms

Loss rate: 5.64%

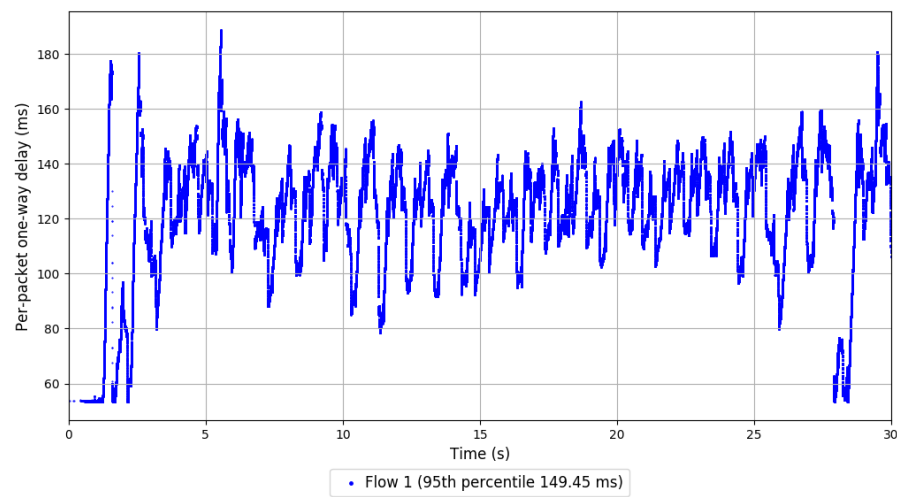
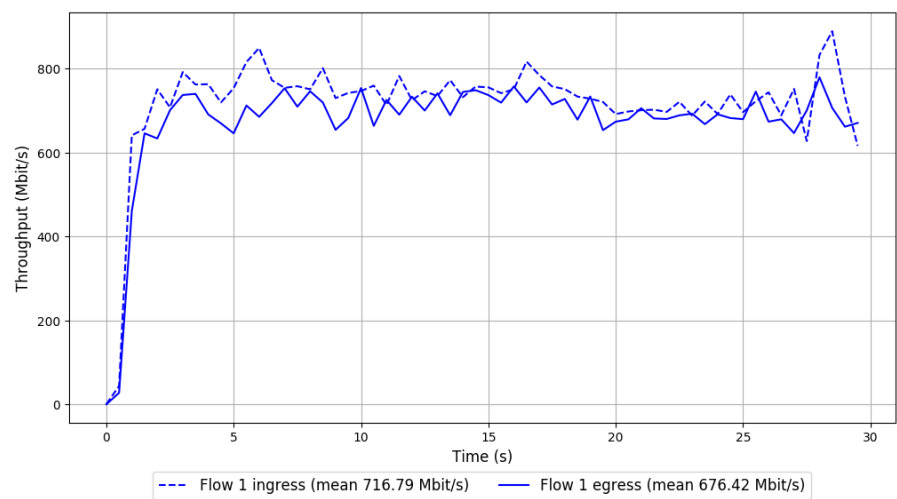
-- Flow 1:

Average throughput: 676.42 Mbit/s

95th percentile per-packet one-way delay: 149.454 ms

Loss rate: 5.64%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-17 15:39:13

End at: 2018-04-17 15:39:43

Below is generated by plot.py at 2018-04-17 18:29:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 746.39 Mbit/s

95th percentile per-packet one-way delay: 145.192 ms

Loss rate: 5.84%

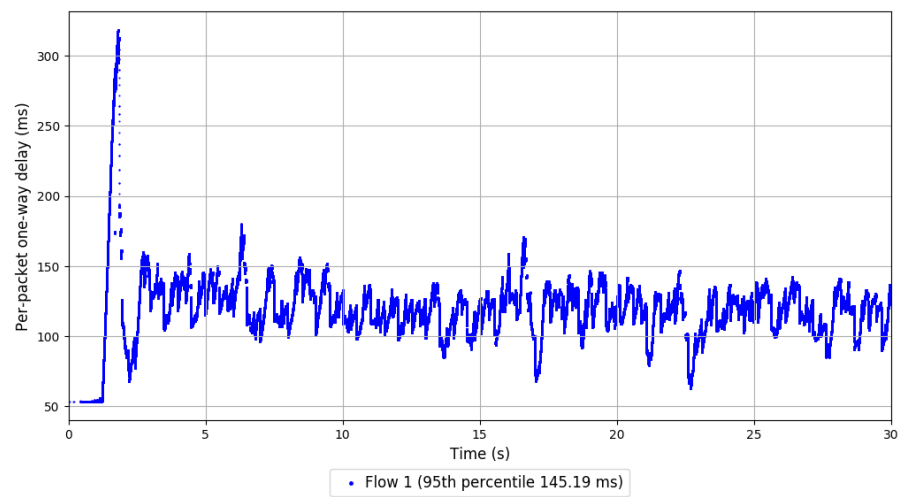
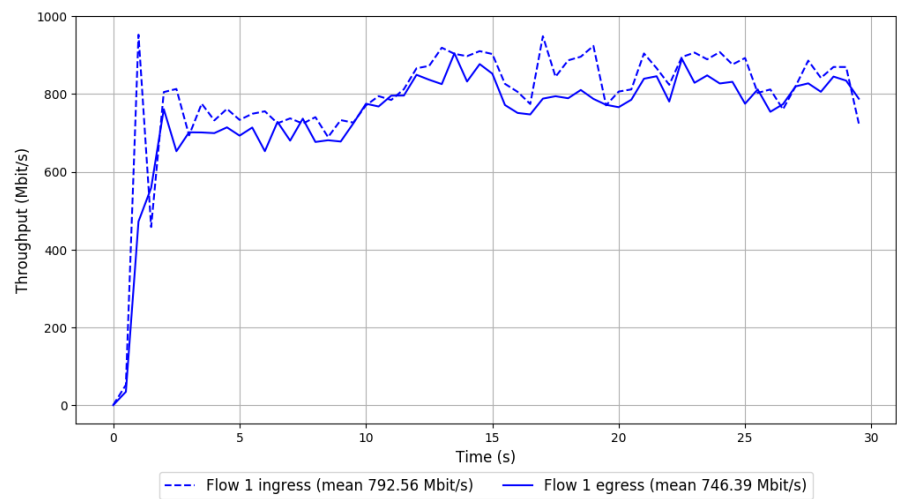
-- Flow 1:

Average throughput: 746.39 Mbit/s

95th percentile per-packet one-way delay: 145.192 ms

Loss rate: 5.84%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 15:52:00

End at: 2018-04-17 15:52:30

Below is generated by plot.py at 2018-04-17 18:32:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 831.46 Mbit/s

95th percentile per-packet one-way delay: 132.871 ms

Loss rate: 4.01%

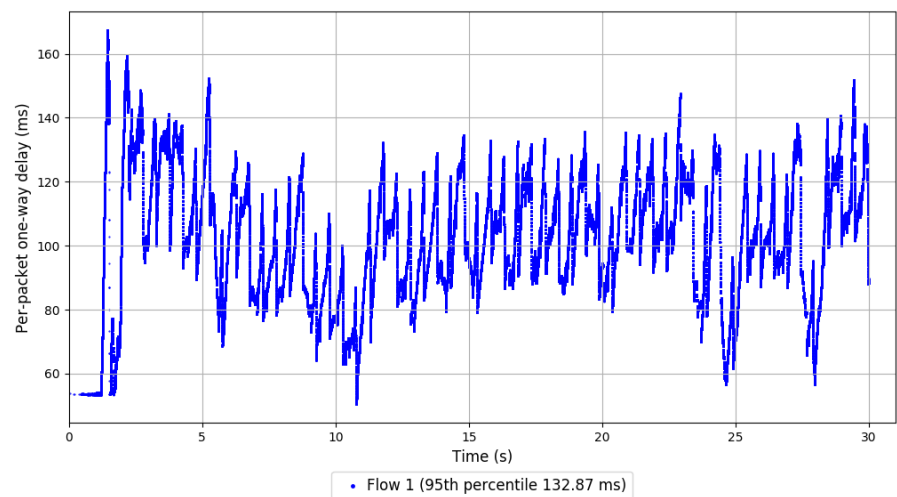
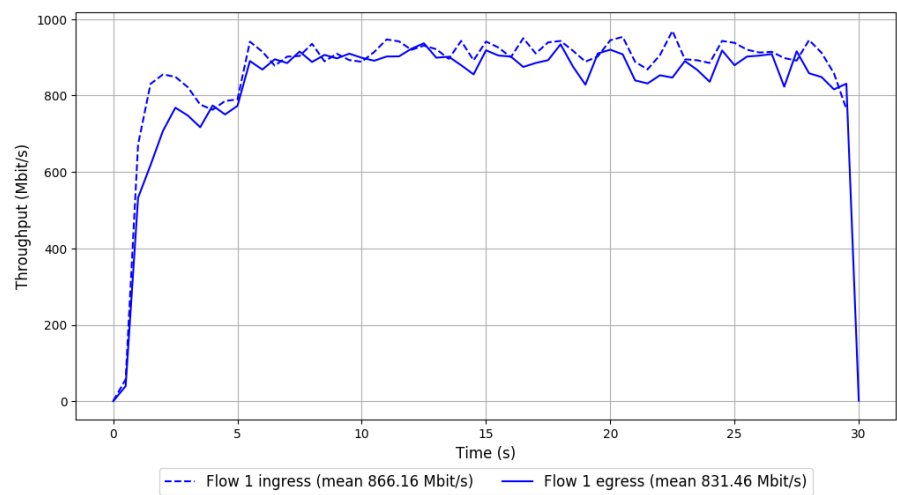
-- Flow 1:

Average throughput: 831.46 Mbit/s

95th percentile per-packet one-way delay: 132.871 ms

Loss rate: 4.01%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 16:04:52

End at: 2018-04-17 16:05:22

Below is generated by plot.py at 2018-04-17 18:34:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 701.51 Mbit/s

95th percentile per-packet one-way delay: 150.096 ms

Loss rate: 8.44%

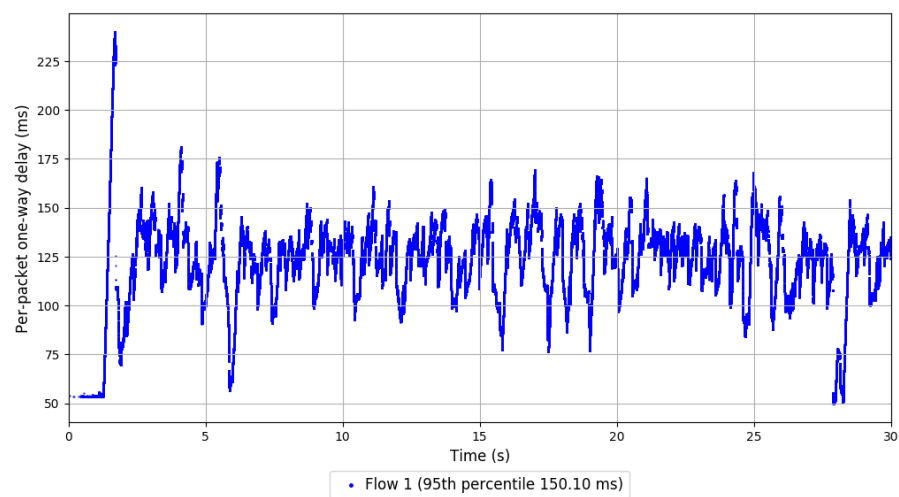
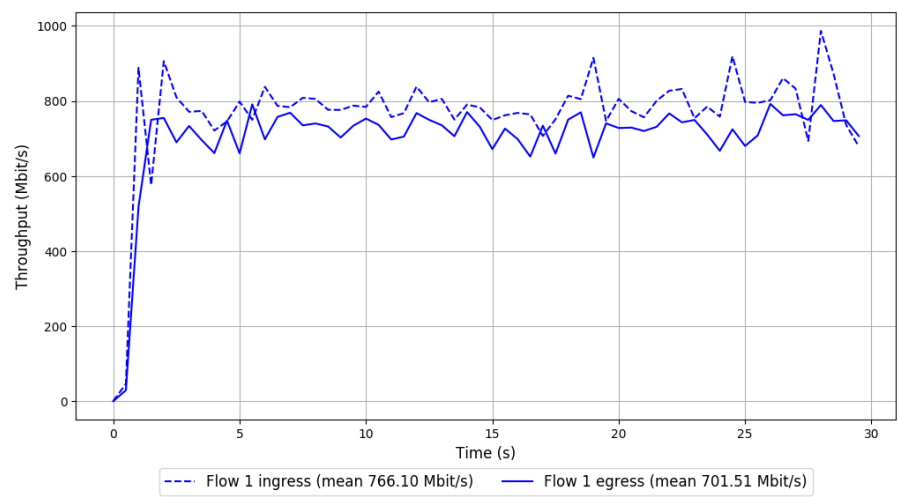
-- Flow 1:

Average throughput: 701.51 Mbit/s

95th percentile per-packet one-way delay: 150.096 ms

Loss rate: 8.44%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 16:17:31

End at: 2018-04-17 16:18:01

Below is generated by plot.py at 2018-04-17 18:39:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 649.41 Mbit/s

95th percentile per-packet one-way delay: 159.716 ms

Loss rate: 9.74%

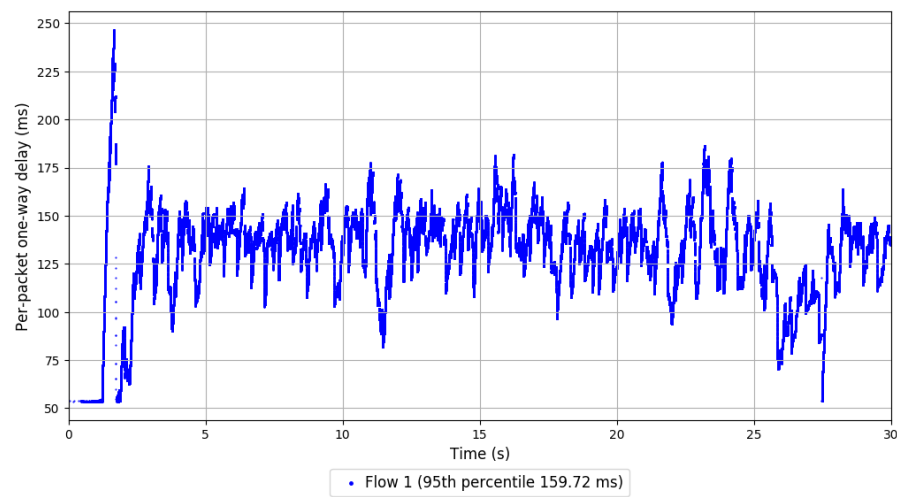
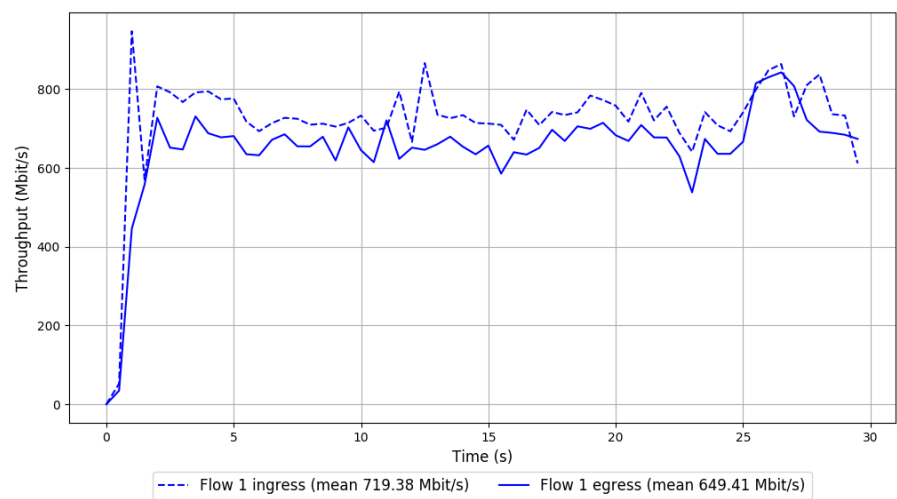
-- Flow 1:

Average throughput: 649.41 Mbit/s

95th percentile per-packet one-way delay: 159.716 ms

Loss rate: 9.74%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 16:30:30

End at: 2018-04-17 16:31:00

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 779.50 Mbit/s

95th percentile per-packet one-way delay: 146.008 ms

Loss rate: 6.75%

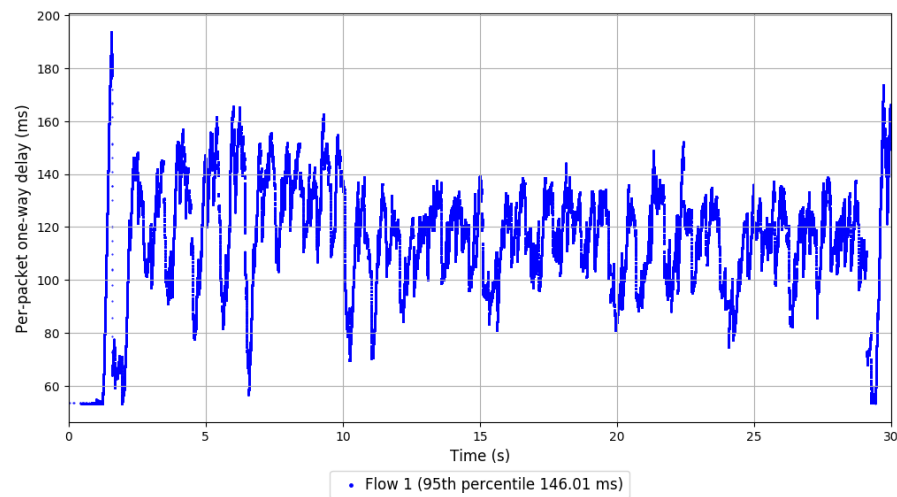
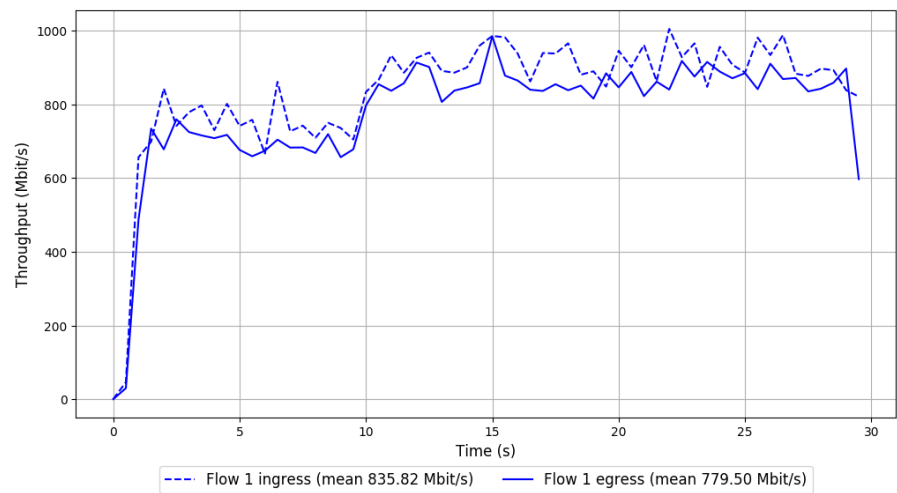
-- Flow 1:

Average throughput: 779.50 Mbit/s

95th percentile per-packet one-way delay: 146.008 ms

Loss rate: 6.75%

Run 10: Report of FillP — Data Link

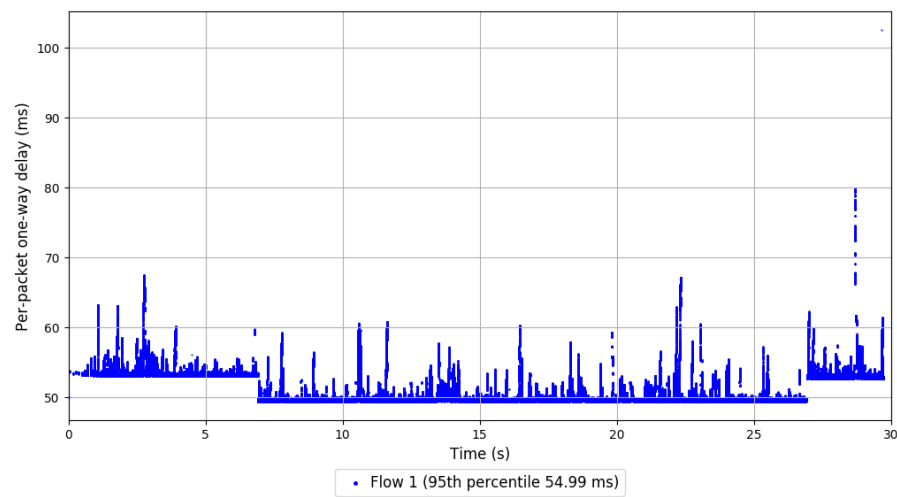
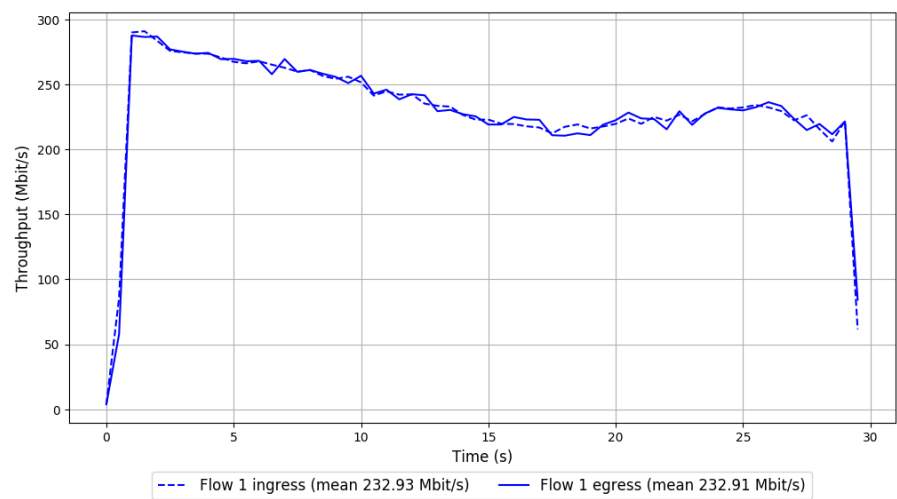


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 14:33:50
End at: 2018-04-17 14:34:20

# Below is generated by plot.py at 2018-04-17 18:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.91 Mbit/s
95th percentile per-packet one-way delay: 54.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 232.91 Mbit/s
95th percentile per-packet one-way delay: 54.987 ms
Loss rate: 0.00%
```

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

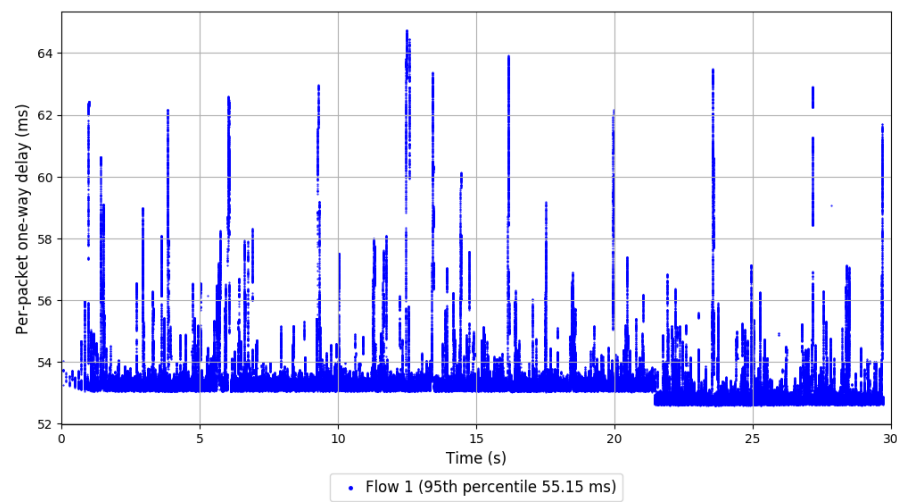
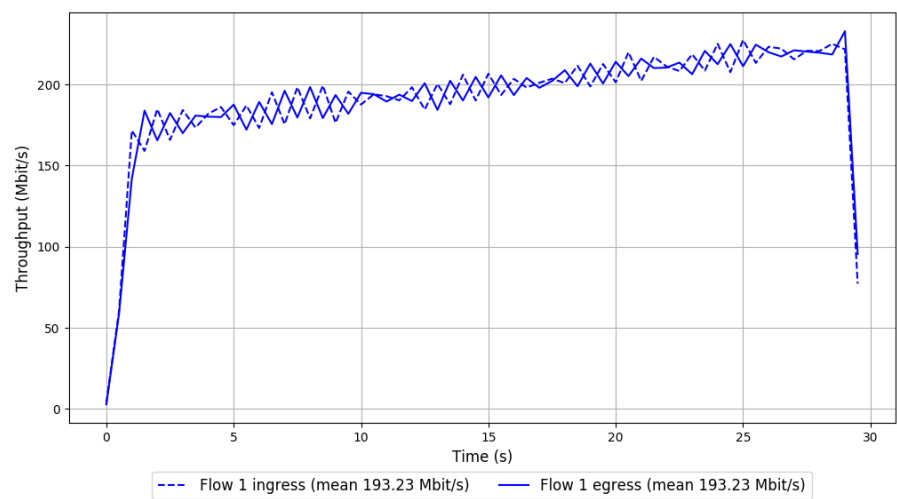


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 14:46:35
End at: 2018-04-17 14:47:05

# Below is generated by plot.py at 2018-04-17 18:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.23 Mbit/s
95th percentile per-packet one-way delay: 55.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.23 Mbit/s
95th percentile per-packet one-way delay: 55.148 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 14:59:17

End at: 2018-04-17 14:59:47

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.83 Mbit/s

95th percentile per-packet one-way delay: 53.659 ms

Loss rate: 0.00%

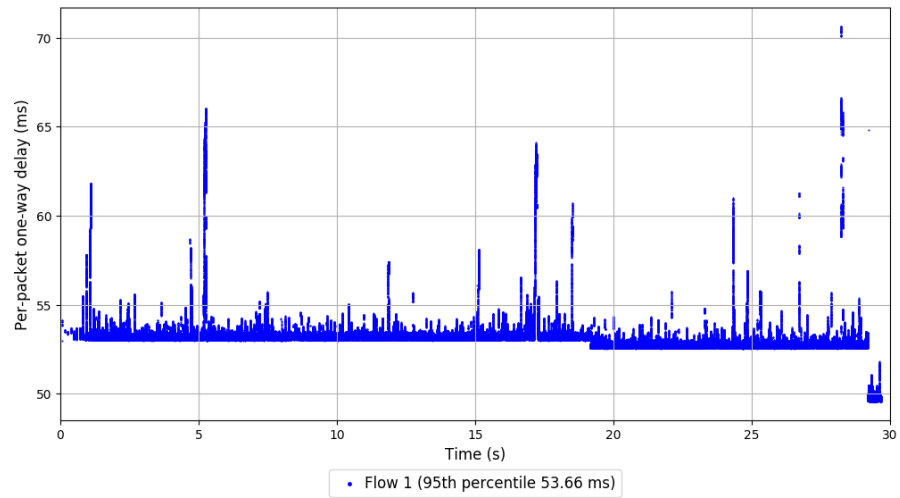
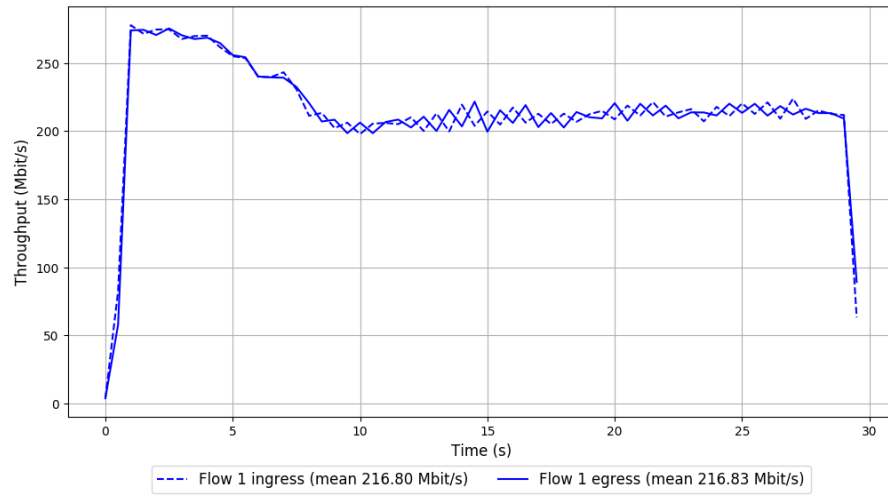
-- Flow 1:

Average throughput: 216.83 Mbit/s

95th percentile per-packet one-way delay: 53.659 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 15:12:09

End at: 2018-04-17 15:12:39

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.55 Mbit/s

95th percentile per-packet one-way delay: 53.574 ms

Loss rate: 0.00%

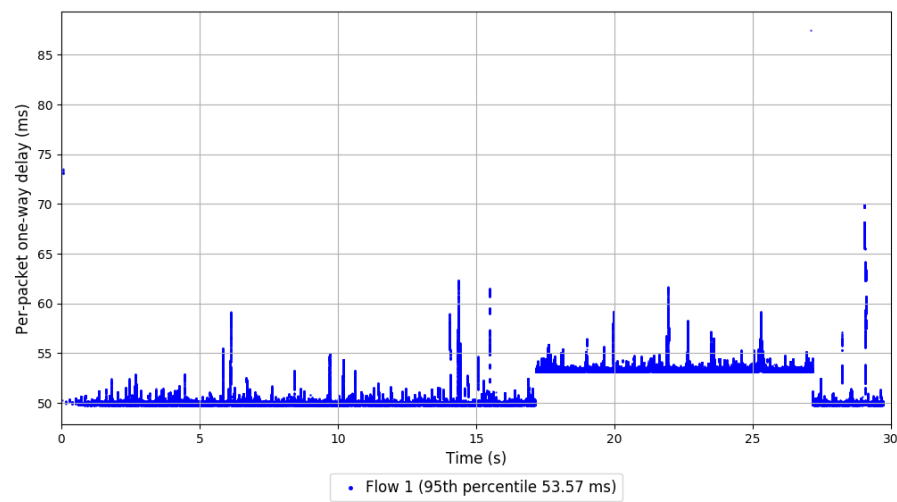
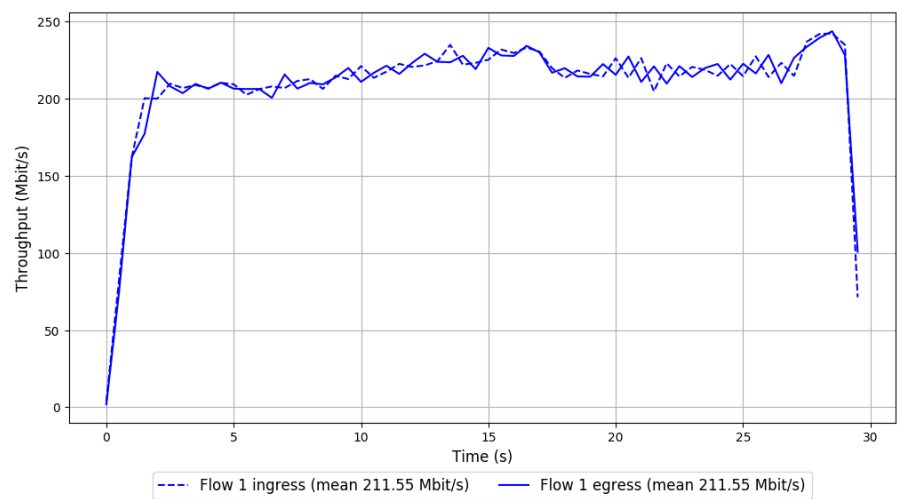
-- Flow 1:

Average throughput: 211.55 Mbit/s

95th percentile per-packet one-way delay: 53.574 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 15:25:07

End at: 2018-04-17 15:25:37

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.56 Mbit/s

95th percentile per-packet one-way delay: 54.198 ms

Loss rate: 0.00%

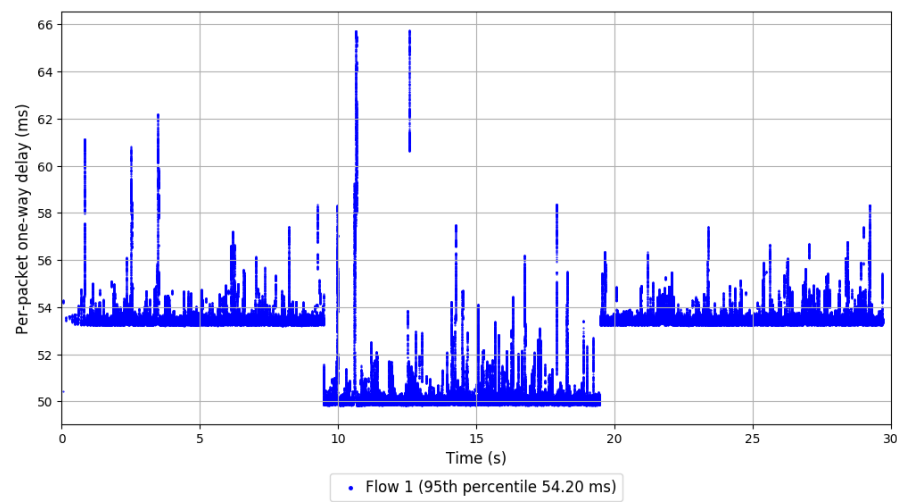
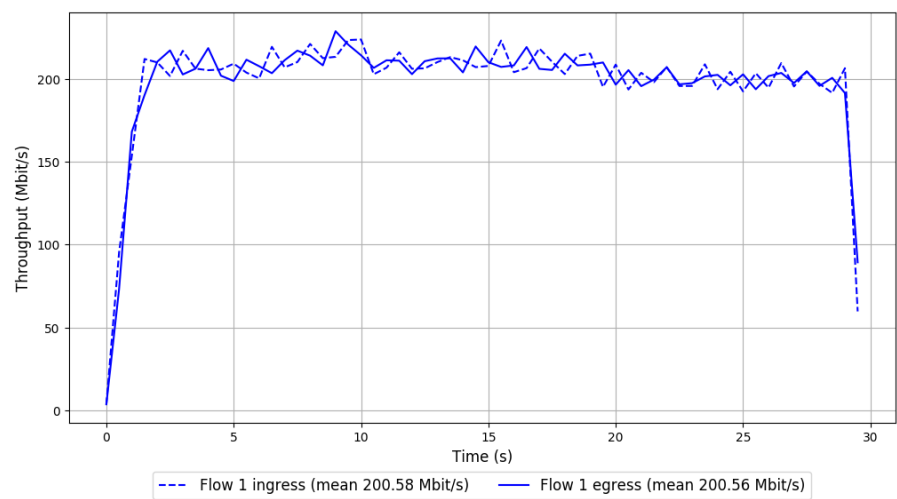
-- Flow 1:

Average throughput: 200.56 Mbit/s

95th percentile per-packet one-way delay: 54.198 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 15:37:46

End at: 2018-04-17 15:38:16

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.92 Mbit/s

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

Loss rate: 0.00%

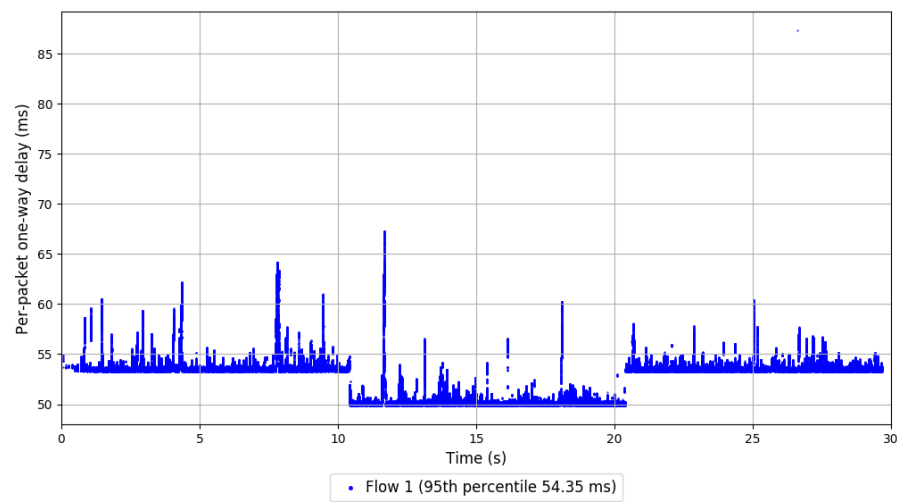
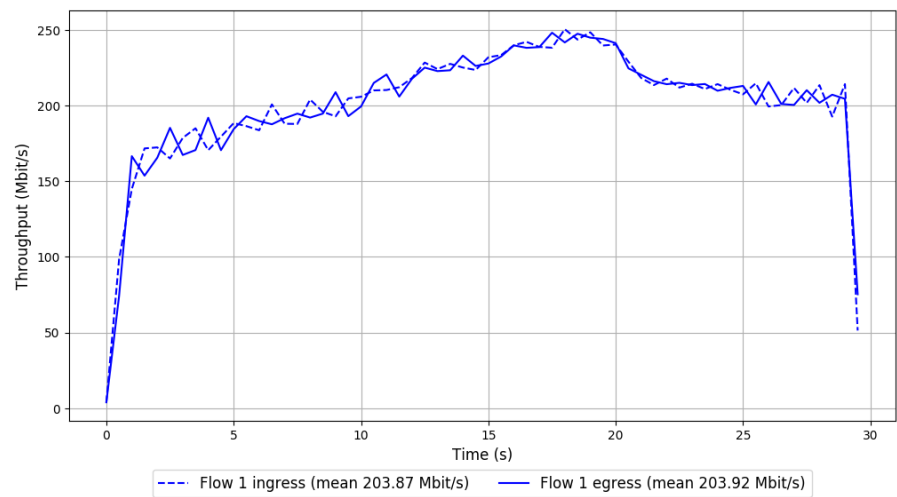
-- Flow 1:

Average throughput: 203.92 Mbit/s

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

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 15:50:34

End at: 2018-04-17 15:51:04

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.74 Mbit/s

95th percentile per-packet one-way delay: 54.537 ms

Loss rate: 0.00%

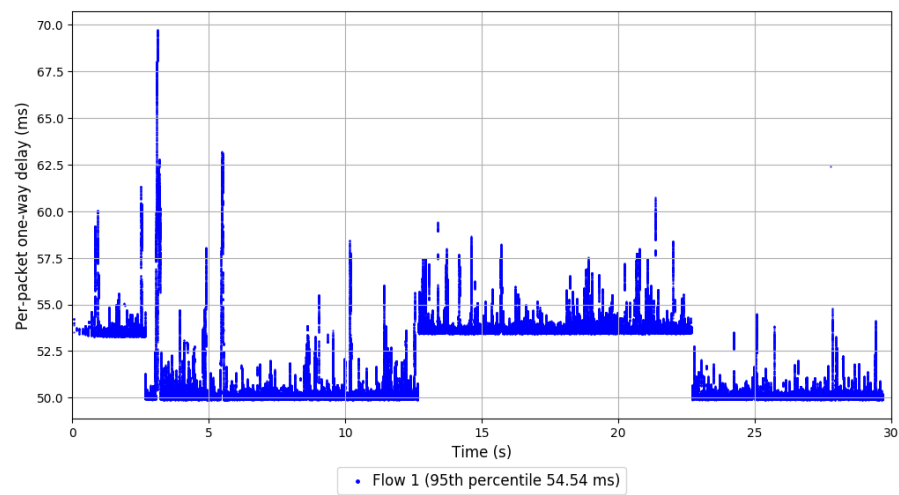
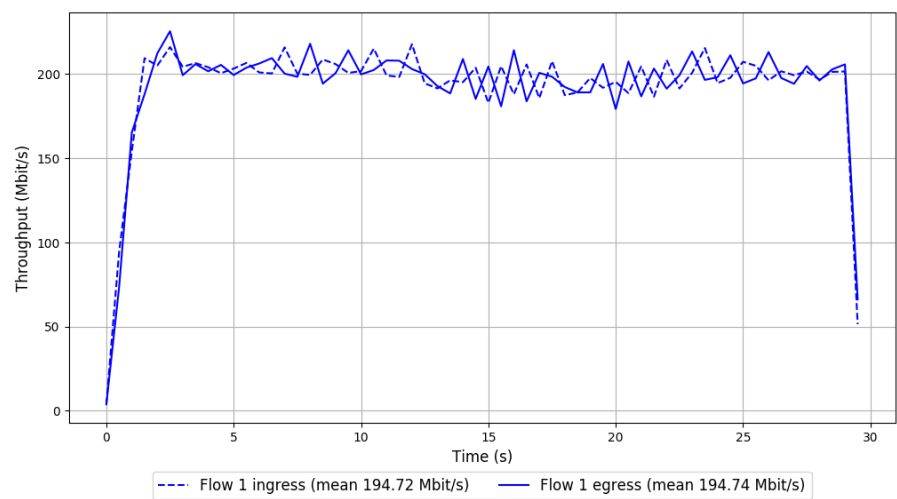
-- Flow 1:

Average throughput: 194.74 Mbit/s

95th percentile per-packet one-way delay: 54.537 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 16:03:24

End at: 2018-04-17 16:03:54

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.76 Mbit/s

95th percentile per-packet one-way delay: 54.317 ms

Loss rate: 0.00%

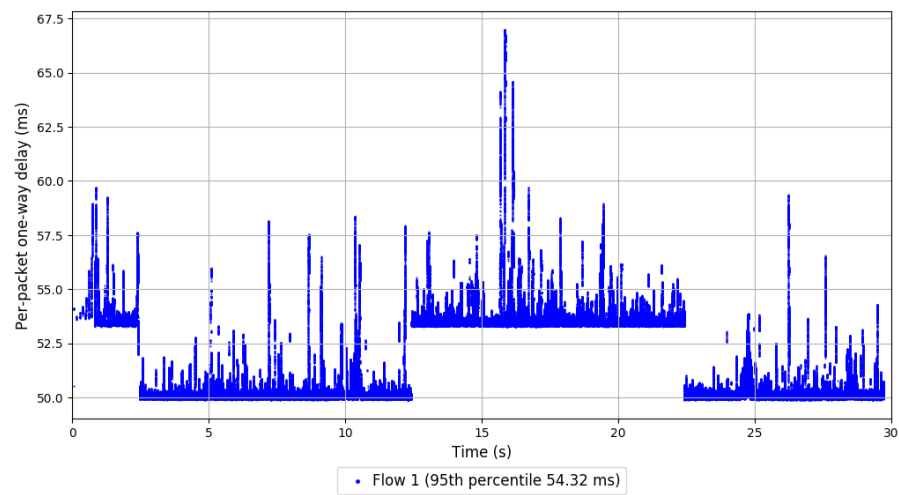
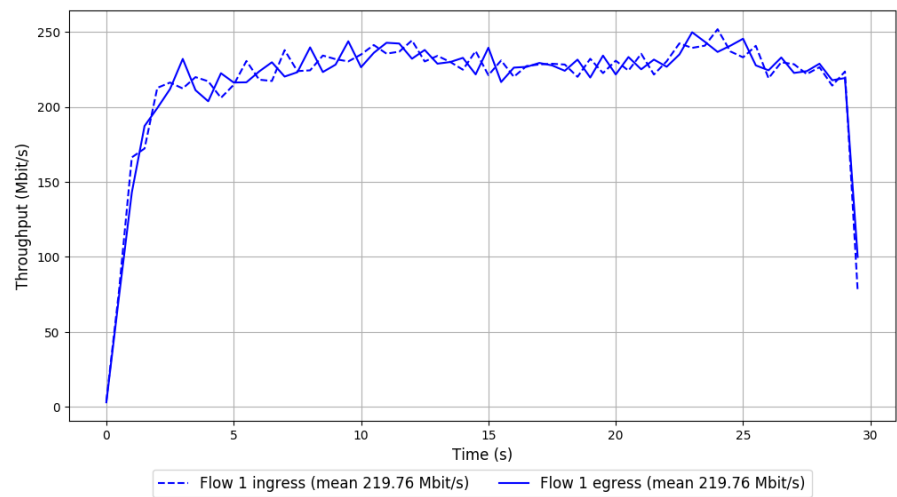
-- Flow 1:

Average throughput: 219.76 Mbit/s

95th percentile per-packet one-way delay: 54.317 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 16:16:03

End at: 2018-04-17 16:16:33

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.45 Mbit/s

95th percentile per-packet one-way delay: 56.937 ms

Loss rate: 0.00%

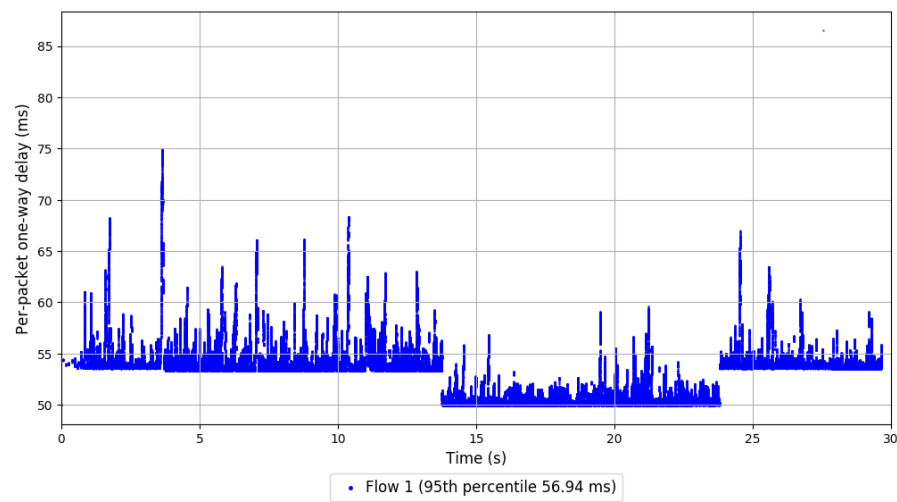
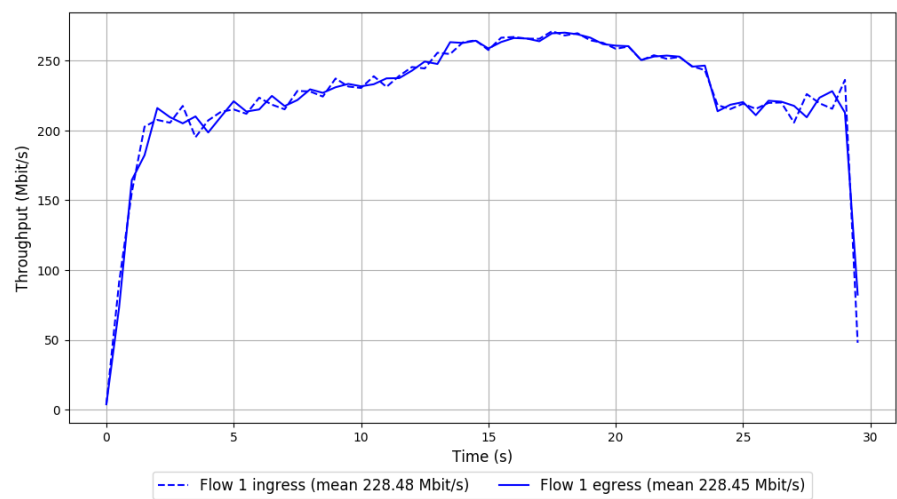
-- Flow 1:

Average throughput: 228.45 Mbit/s

95th percentile per-packet one-way delay: 56.937 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 16:29:03

End at: 2018-04-17 16:29:33

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.58 Mbit/s

95th percentile per-packet one-way delay: 55.567 ms

Loss rate: 0.00%

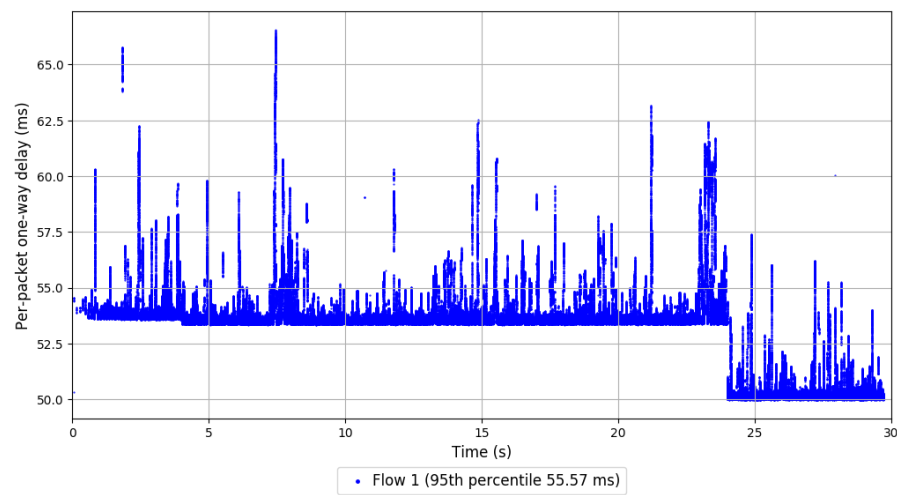
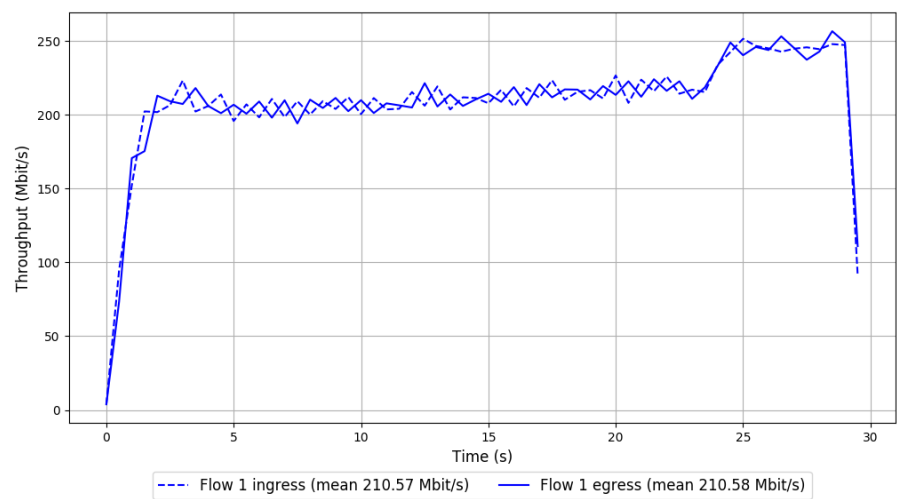
-- Flow 1:

Average throughput: 210.58 Mbit/s

95th percentile per-packet one-way delay: 55.567 ms

Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 14:37:05

End at: 2018-04-17 14:37:35

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.26 Mbit/s

95th percentile per-packet one-way delay: 84.839 ms

Loss rate: 0.04%

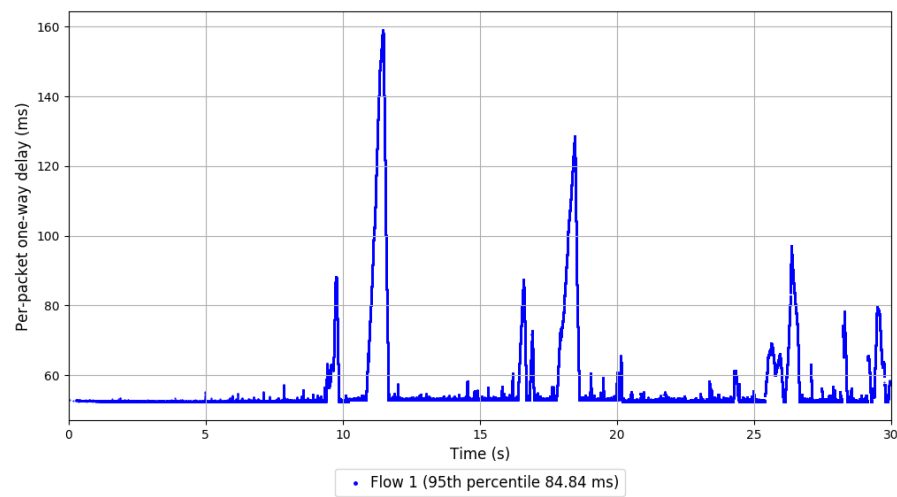
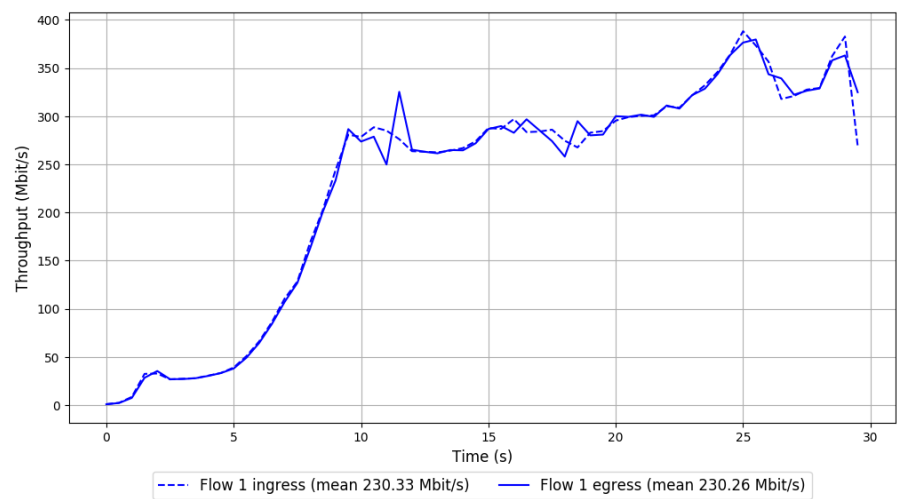
-- Flow 1:

Average throughput: 230.26 Mbit/s

95th percentile per-packet one-way delay: 84.839 ms

Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 14:49:55

End at: 2018-04-17 14:50:25

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.48 Mbit/s

95th percentile per-packet one-way delay: 118.862 ms

Loss rate: 0.41%

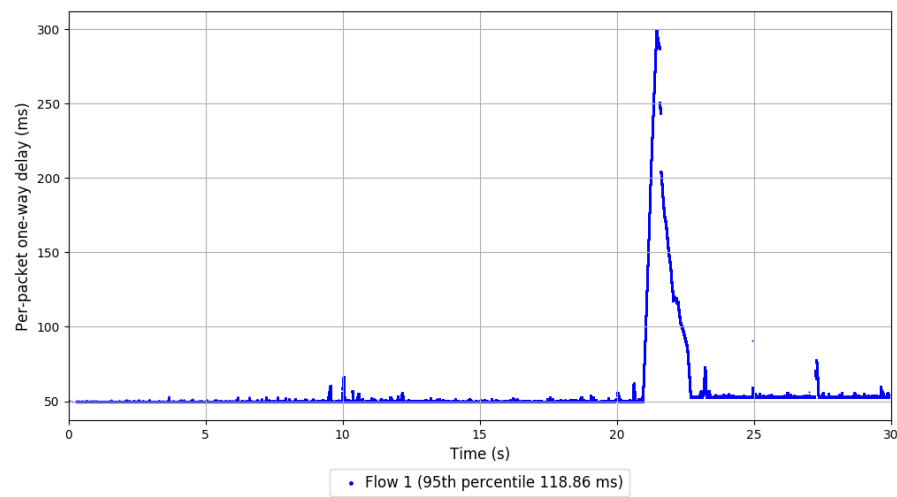
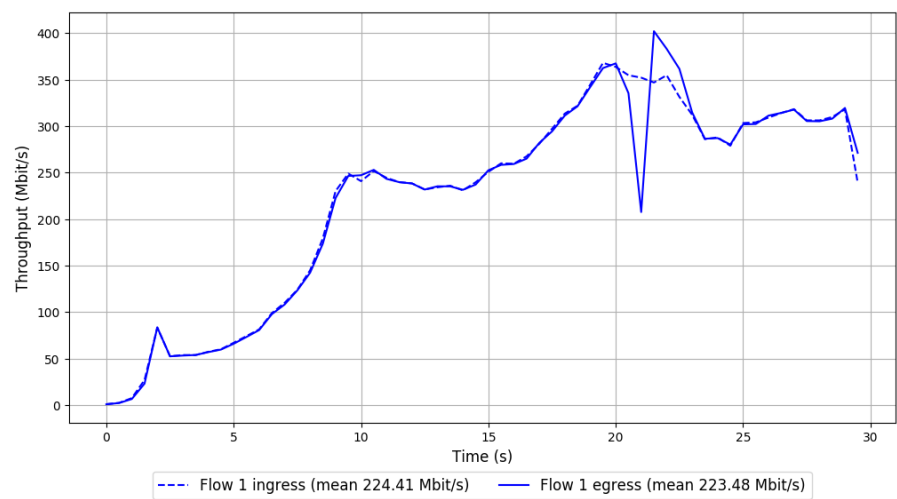
-- Flow 1:

Average throughput: 223.48 Mbit/s

95th percentile per-packet one-way delay: 118.862 ms

Loss rate: 0.41%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 15:02:34

End at: 2018-04-17 15:03:04

Below is generated by plot.py at 2018-04-17 18:41:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.76 Mbit/s

95th percentile per-packet one-way delay: 104.163 ms

Loss rate: 0.03%

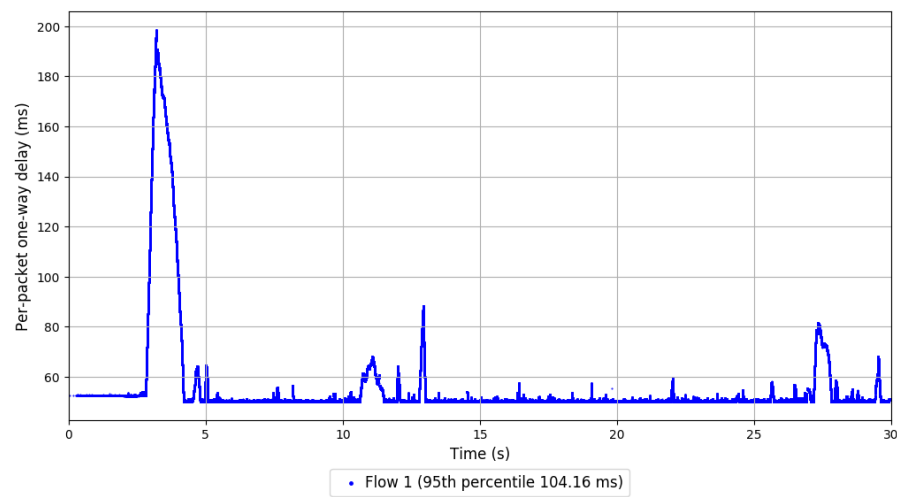
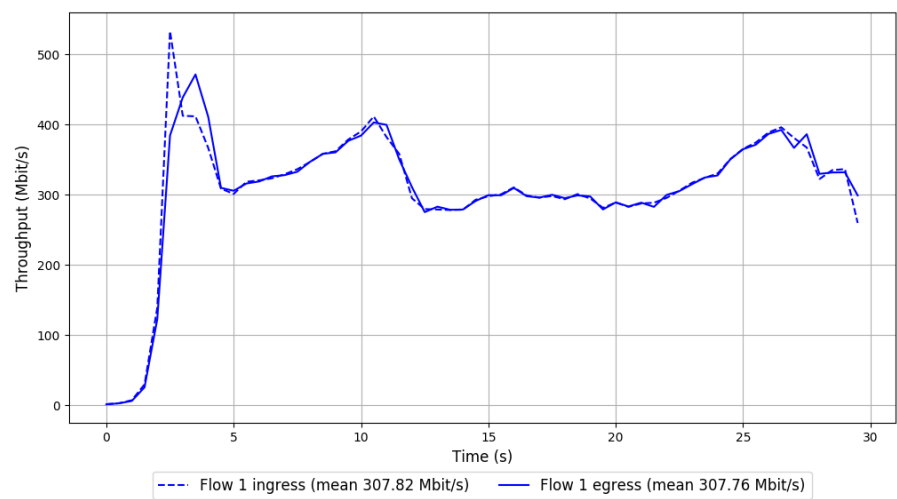
-- Flow 1:

Average throughput: 307.76 Mbit/s

95th percentile per-packet one-way delay: 104.163 ms

Loss rate: 0.03%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

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

End at: 2018-04-17 15:15:55

Below is generated by plot.py at 2018-04-17 18:42:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.16 Mbit/s

95th percentile per-packet one-way delay: 57.246 ms

Loss rate: 0.00%

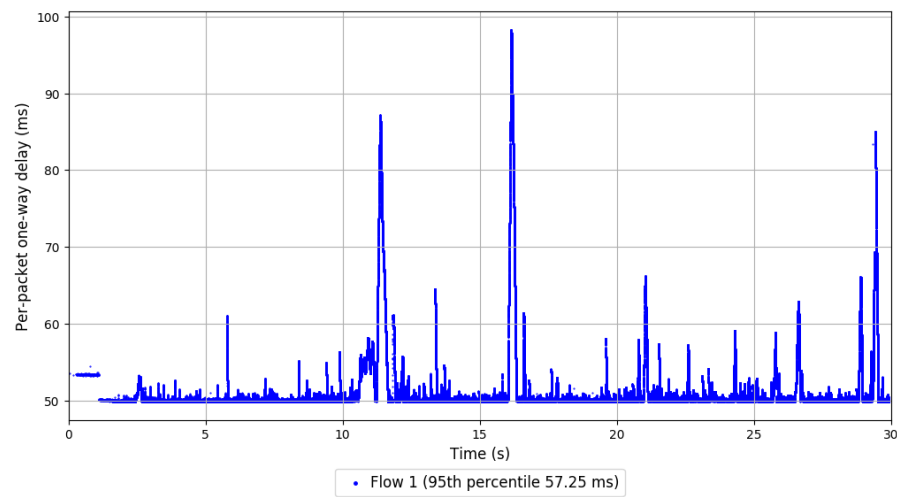
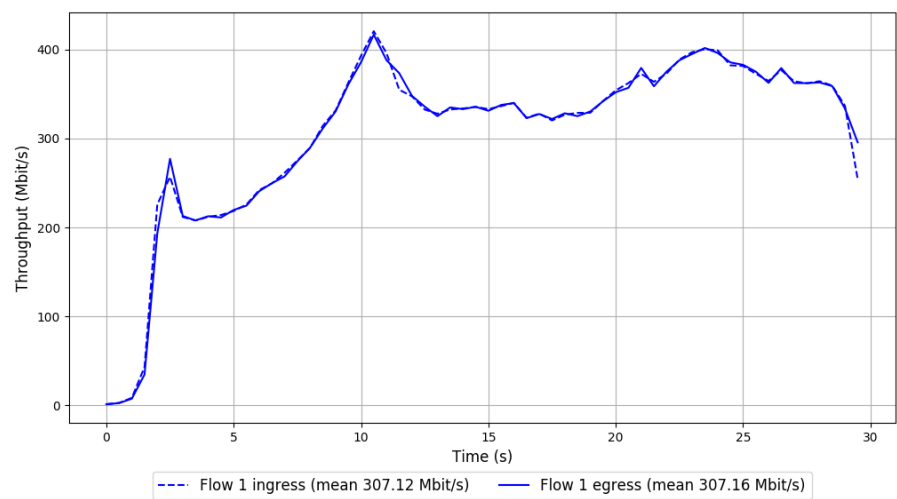
-- Flow 1:

Average throughput: 307.16 Mbit/s

95th percentile per-packet one-way delay: 57.246 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 15:28:21

End at: 2018-04-17 15:28:51

Below is generated by plot.py at 2018-04-17 18:42:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.14 Mbit/s

95th percentile per-packet one-way delay: 54.300 ms

Loss rate: 0.00%

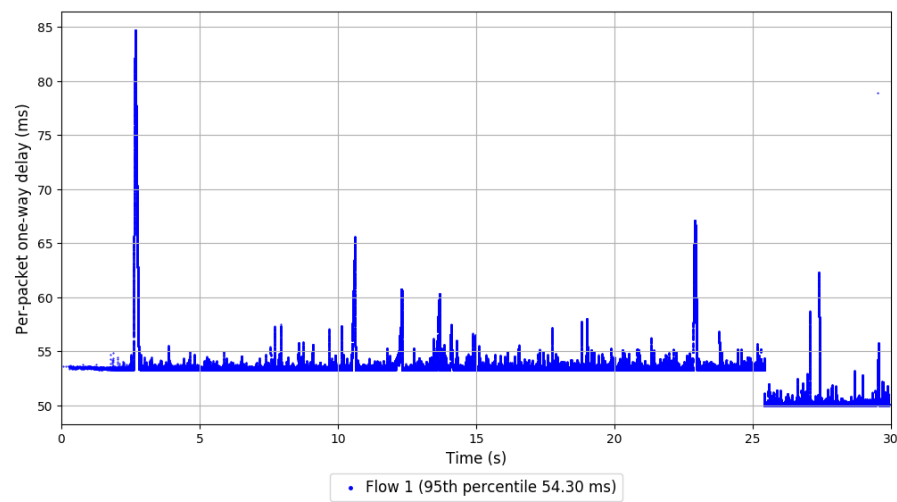
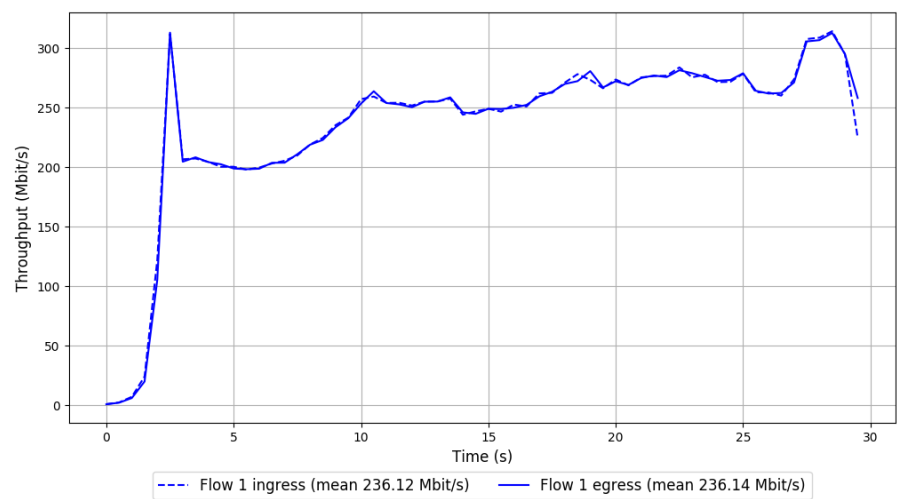
-- Flow 1:

Average throughput: 236.14 Mbit/s

95th percentile per-packet one-way delay: 54.300 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 15:41:03

End at: 2018-04-17 15:41:33

Below is generated by plot.py at 2018-04-17 18:42:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 294.35 Mbit/s

95th percentile per-packet one-way delay: 211.237 ms

Loss rate: 0.51%

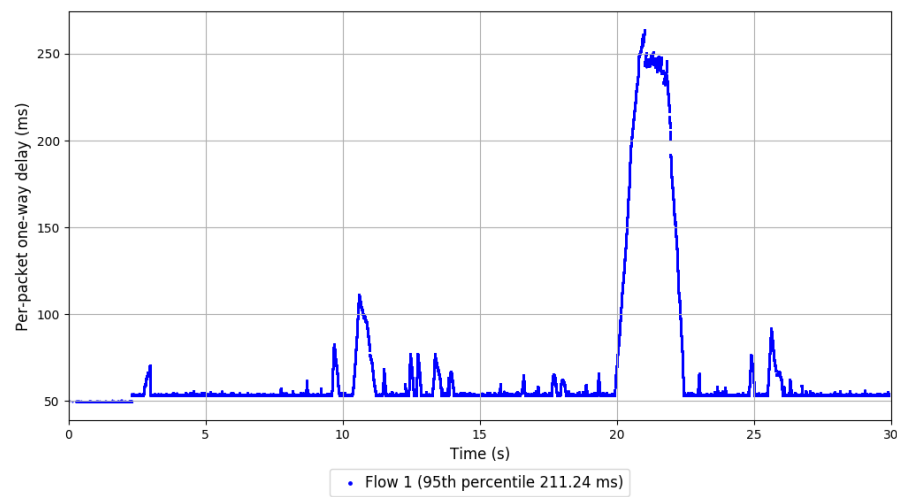
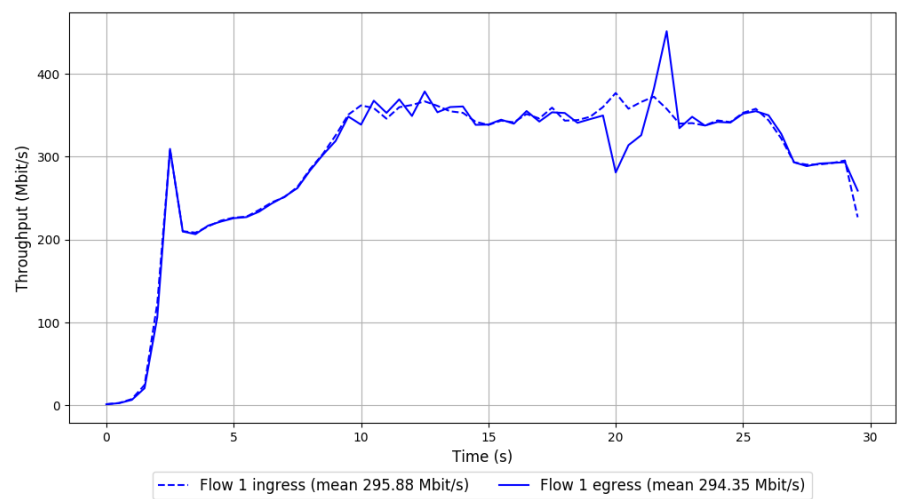
-- Flow 1:

Average throughput: 294.35 Mbit/s

95th percentile per-packet one-way delay: 211.237 ms

Loss rate: 0.51%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 15:53:53

End at: 2018-04-17 15:54:23

Below is generated by plot.py at 2018-04-17 18:42:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.54 Mbit/s

95th percentile per-packet one-way delay: 60.547 ms

Loss rate: 0.00%

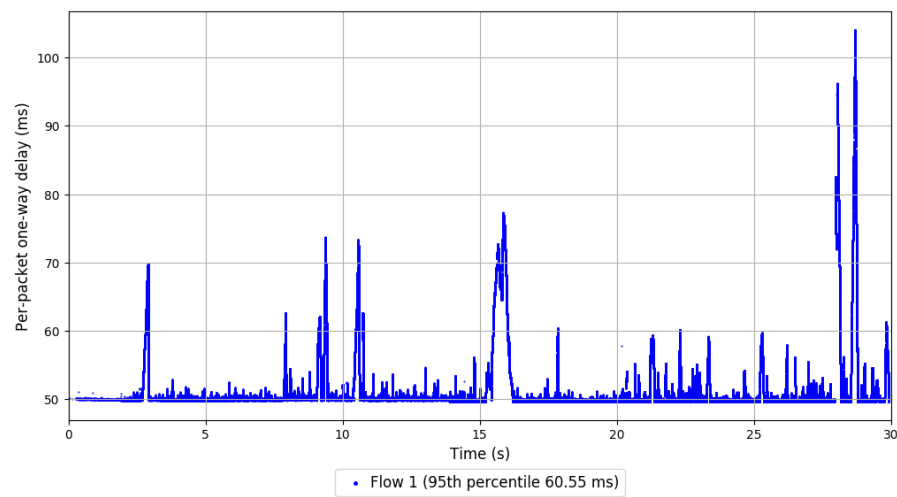
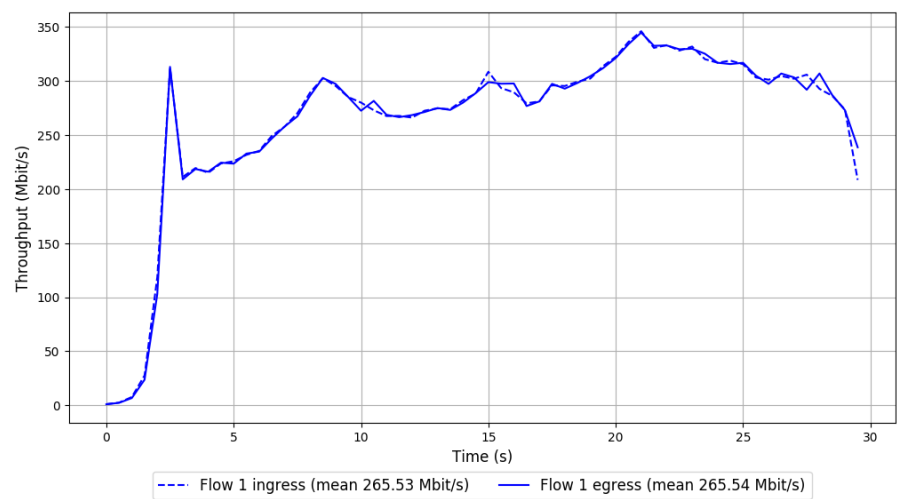
-- Flow 1:

Average throughput: 265.54 Mbit/s

95th percentile per-packet one-way delay: 60.547 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 16:06:40

End at: 2018-04-17 16:07:10

Below is generated by plot.py at 2018-04-17 18:42:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.77 Mbit/s

95th percentile per-packet one-way delay: 138.624 ms

Loss rate: 0.27%

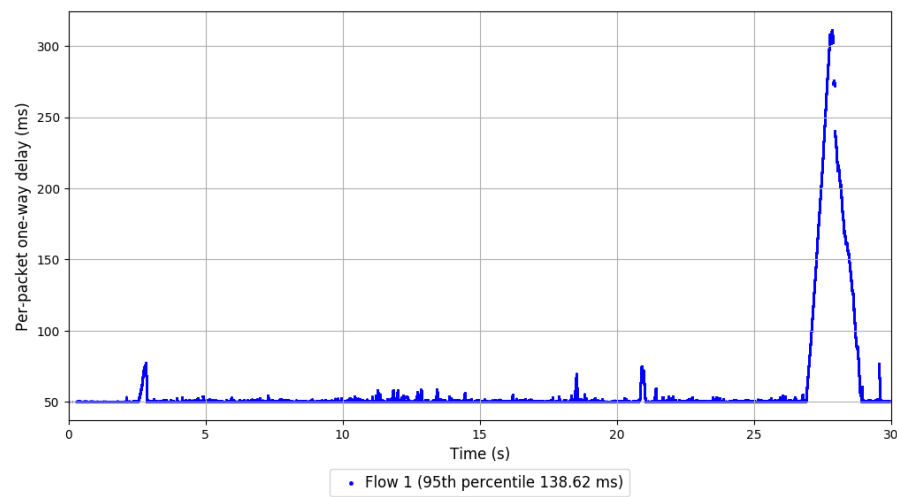
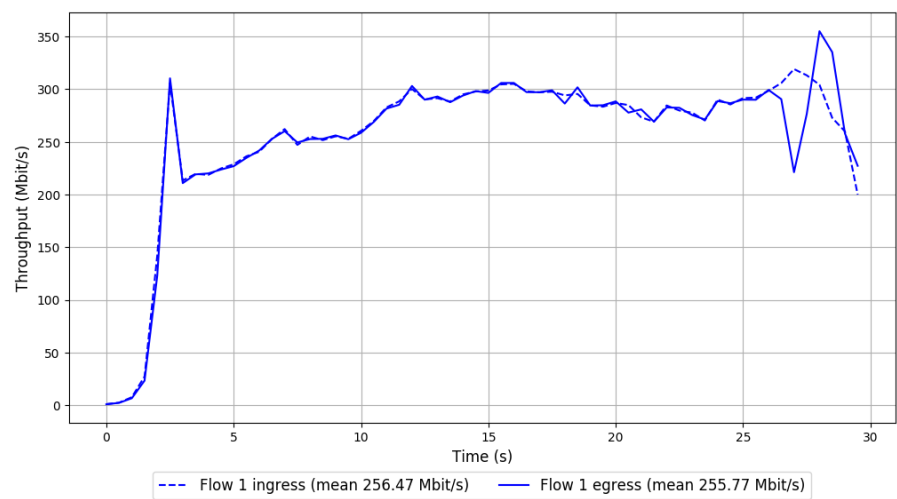
-- Flow 1:

Average throughput: 255.77 Mbit/s

95th percentile per-packet one-way delay: 138.624 ms

Loss rate: 0.27%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 16:19:18

End at: 2018-04-17 16:19:48

Below is generated by plot.py at 2018-04-17 18:42:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.13 Mbit/s

95th percentile per-packet one-way delay: 69.612 ms

Loss rate: 0.51%

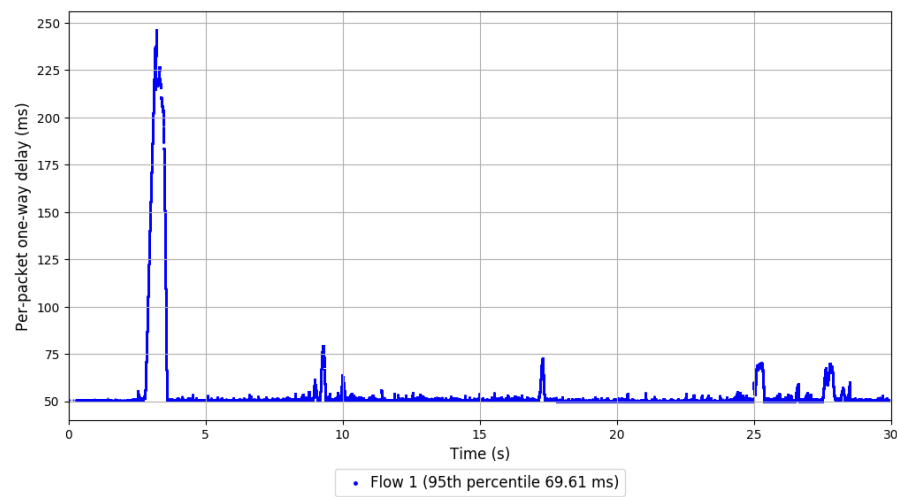
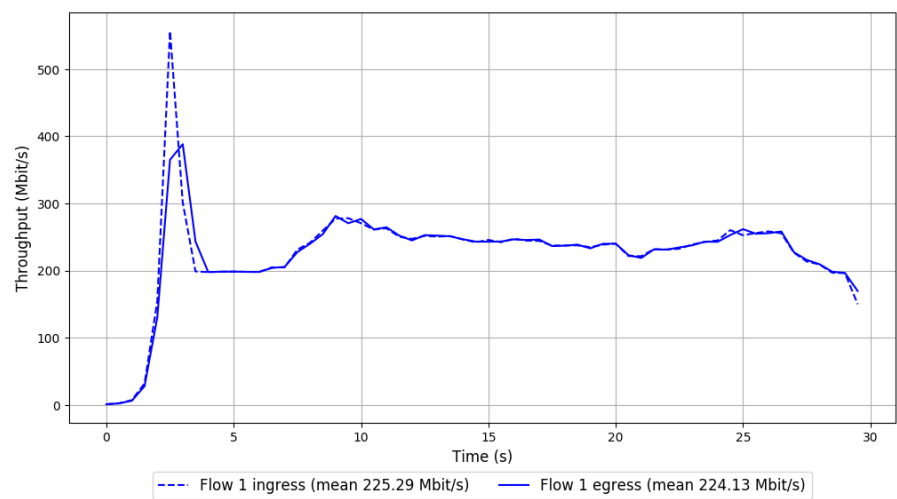
-- Flow 1:

Average throughput: 224.13 Mbit/s

95th percentile per-packet one-way delay: 69.612 ms

Loss rate: 0.51%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 16:32:21

End at: 2018-04-17 16:32:51

Below is generated by plot.py at 2018-04-17 18:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.64 Mbit/s

95th percentile per-packet one-way delay: 107.353 ms

Loss rate: 0.01%

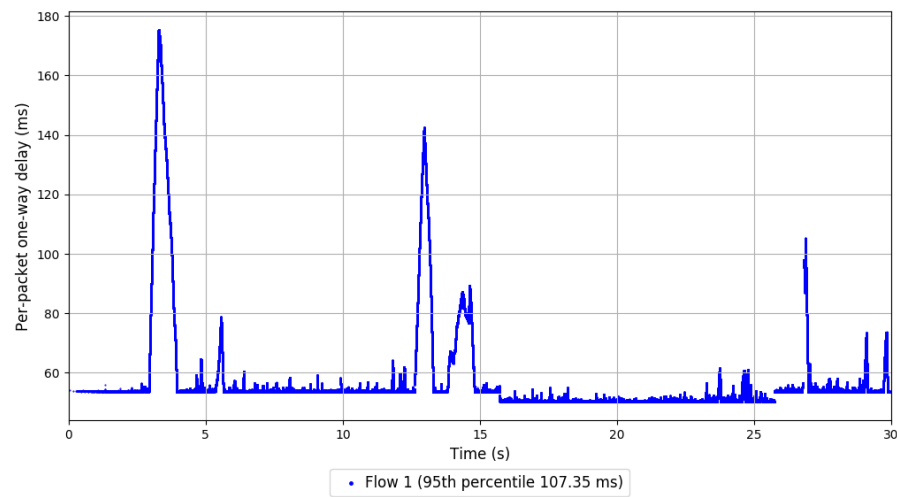
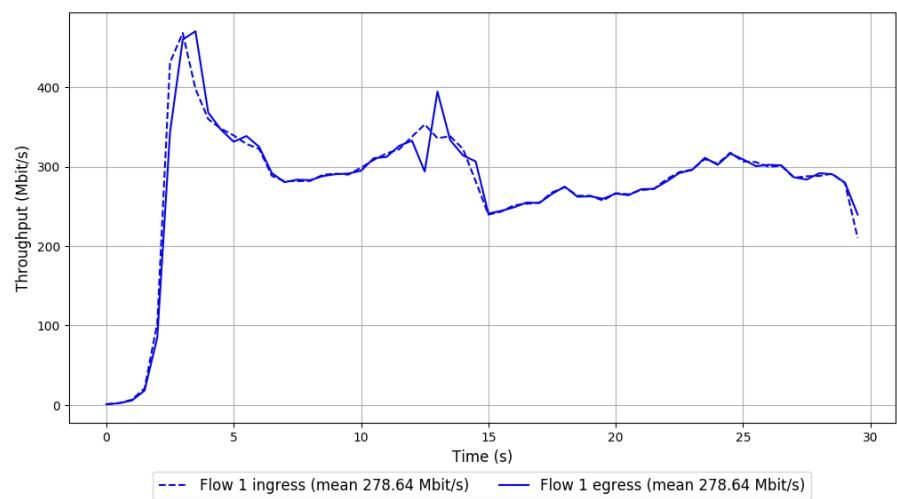
-- Flow 1:

Average throughput: 278.64 Mbit/s

95th percentile per-packet one-way delay: 107.353 ms

Loss rate: 0.01%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 14:26:43

End at: 2018-04-17 14:27:13

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 14:39:34

End at: 2018-04-17 14:40:04

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 14:52:17

End at: 2018-04-17 14:52:47

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 15:05:03

End at: 2018-04-17 15:05:33

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 15:17:52

End at: 2018-04-17 15:18:22

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 15:30:46

End at: 2018-04-17 15:31:16

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 15:43:31

End at: 2018-04-17 15:44:01

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 15:56:20

End at: 2018-04-17 15:56:50

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 16:09:06

End at: 2018-04-17 16:09:36

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 16:21:52

End at: 2018-04-17 16:22:22

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing