

Pantheon Report

Generated at 2018-04-24 17:21:45 (UTC).

Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

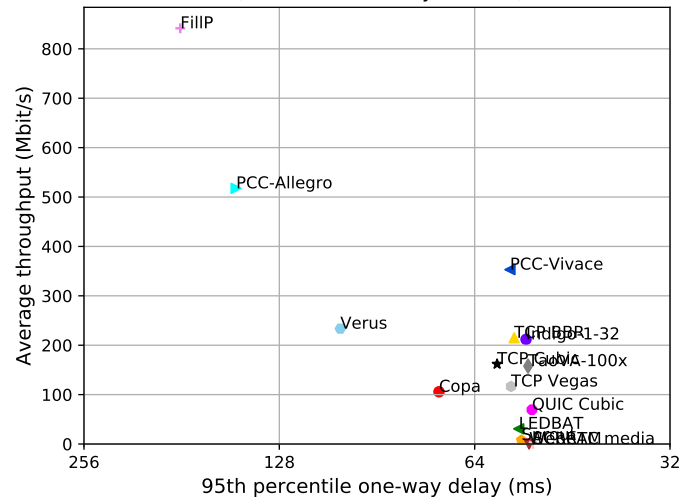
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

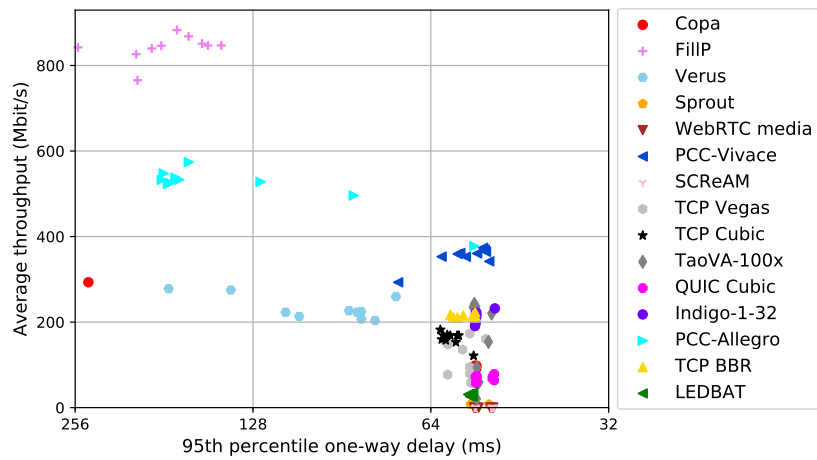
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
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 Tokyo Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	215.04	55.63	0.37
TCP Cubic	10	161.87	59.10	0.37
LEDBAT	10	30.72	54.74	0.67
PCC-Allegro	10	517.55	149.21	0.87
QUIC Cubic	10	69.37	52.23	0.42
SCReAM	10	0.21	52.04	0.38
WebRTC media	10	0.06	52.76	0.00
Sprout	10	7.84	54.21	0.39
TaoVA-100x	8	157.69	52.96	0.22
TCP Vegas	10	116.47	56.26	0.29
Verus	10	233.49	103.10	0.38
Copa	10	105.75	72.64	1.54
FillP	10	841.58	181.90	6.23
Indigo-1-32	10	211.78	53.34	0.35
PCC-Vivace	10	353.03	56.47	0.37
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 11:47:23

End at: 2018-04-24 11:47:53

Below is generated by plot.py at 2018-04-24 16:17:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.02 Mbit/s

95th percentile per-packet one-way delay: 58.646 ms

Loss rate: 0.37%

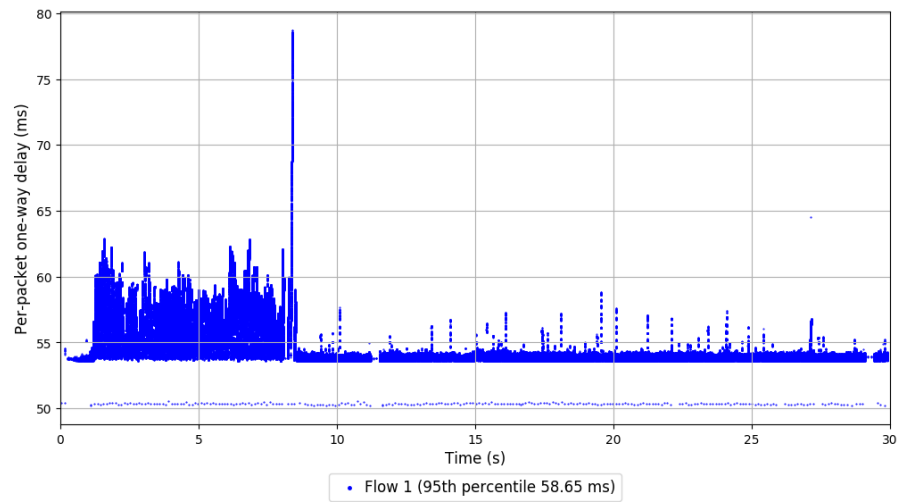
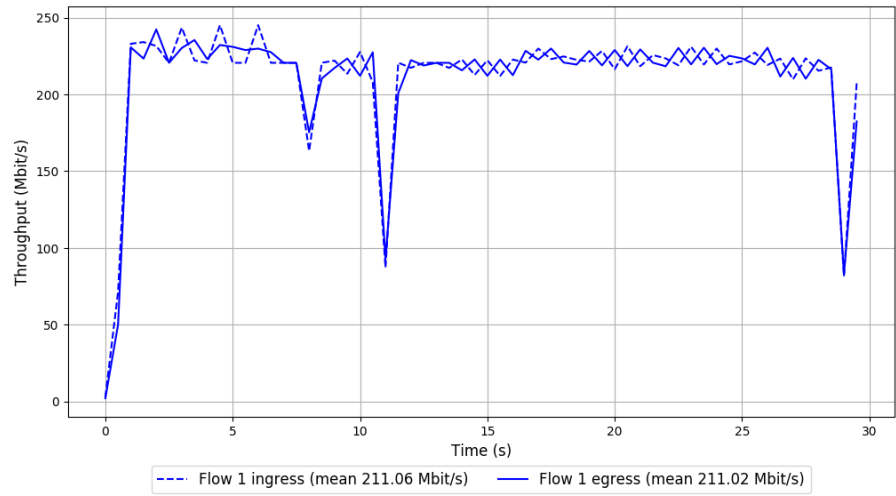
-- Flow 1:

Average throughput: 211.02 Mbit/s

95th percentile per-packet one-way delay: 58.646 ms

Loss rate: 0.37%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-24 12:00:12

End at: 2018-04-24 12:00:42

Below is generated by plot.py at 2018-04-24 16:17:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.62 Mbit/s

95th percentile per-packet one-way delay: 54.181 ms

Loss rate: 0.35%

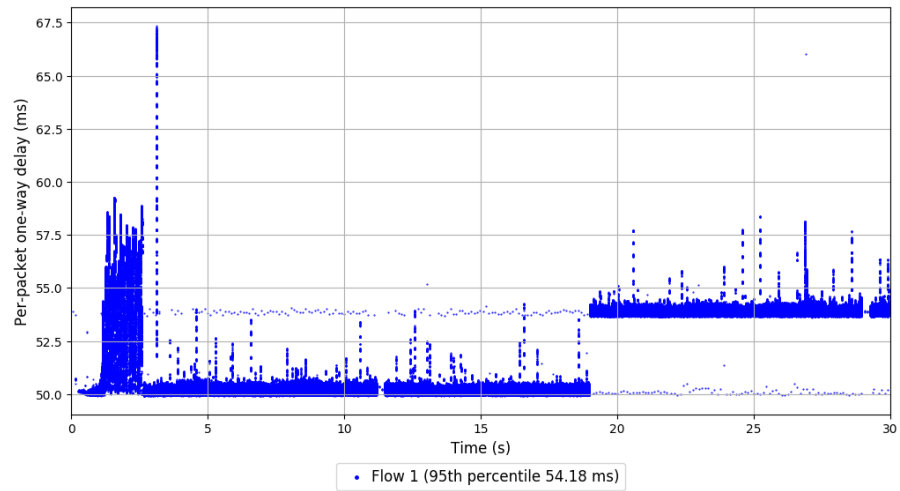
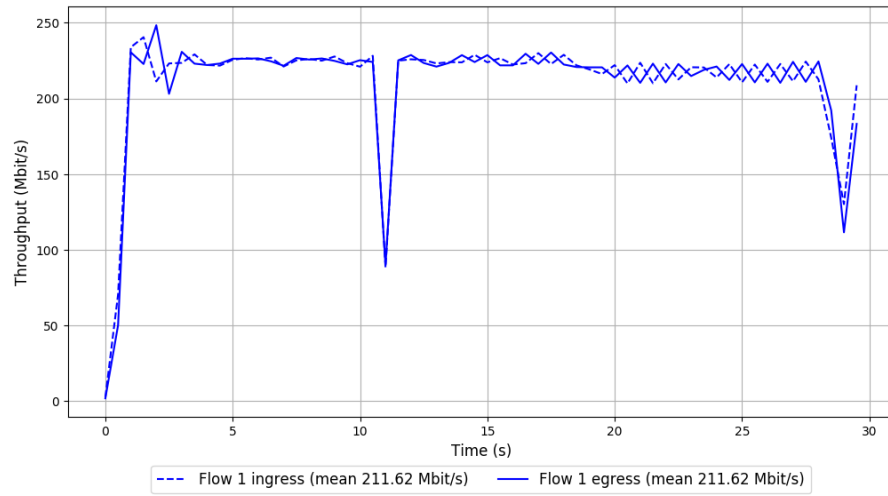
-- Flow 1:

Average throughput: 211.62 Mbit/s

95th percentile per-packet one-way delay: 54.181 ms

Loss rate: 0.35%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 12:13:25

End at: 2018-04-24 12:13:55

Below is generated by plot.py at 2018-04-24 16:17:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.38 Mbit/s

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

Loss rate: 0.37%

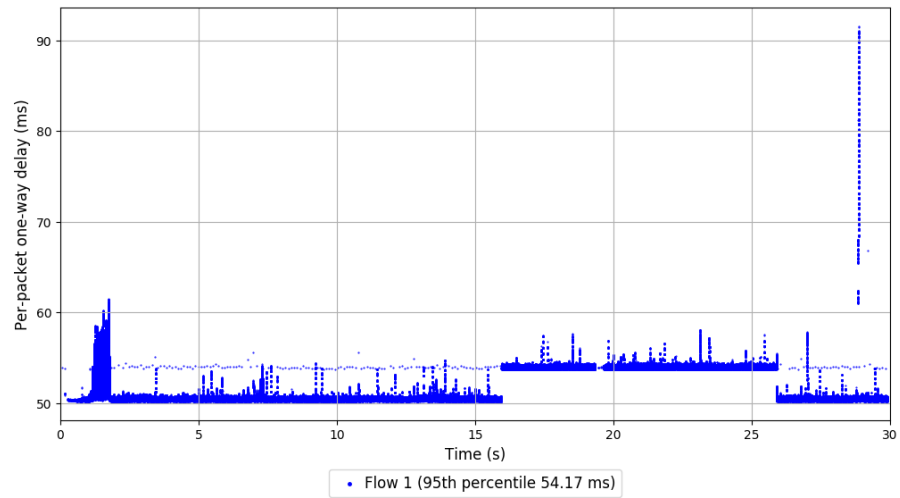
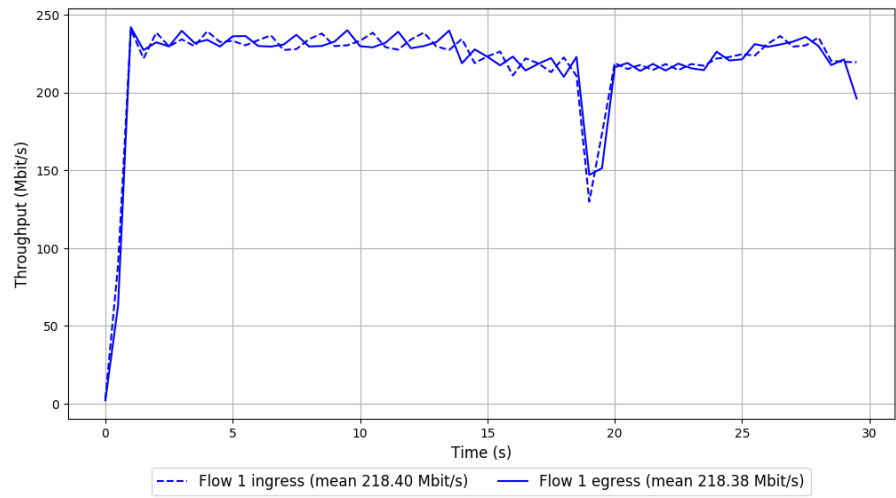
-- Flow 1:

Average throughput: 218.38 Mbit/s

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

Loss rate: 0.37%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-24 12:26:36

End at: 2018-04-24 12:27:06

Below is generated by plot.py at 2018-04-24 16:17:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.25 Mbit/s

95th percentile per-packet one-way delay: 54.282 ms

Loss rate: 0.38%

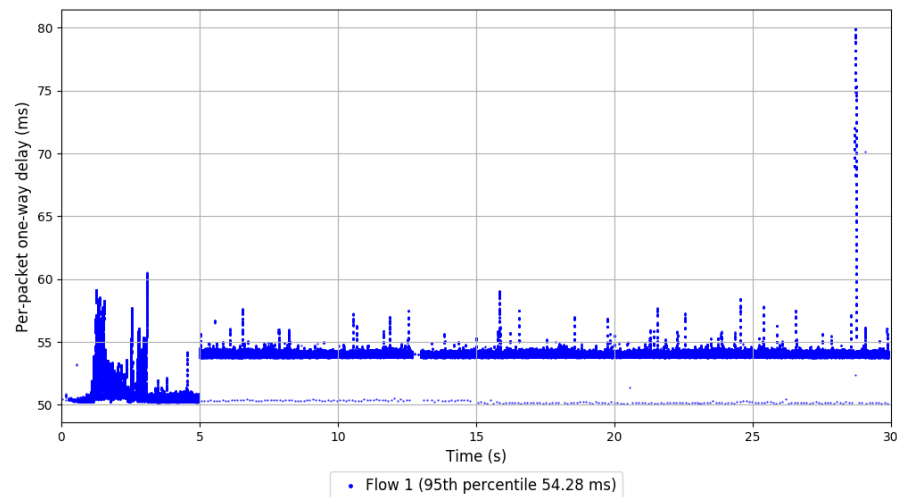
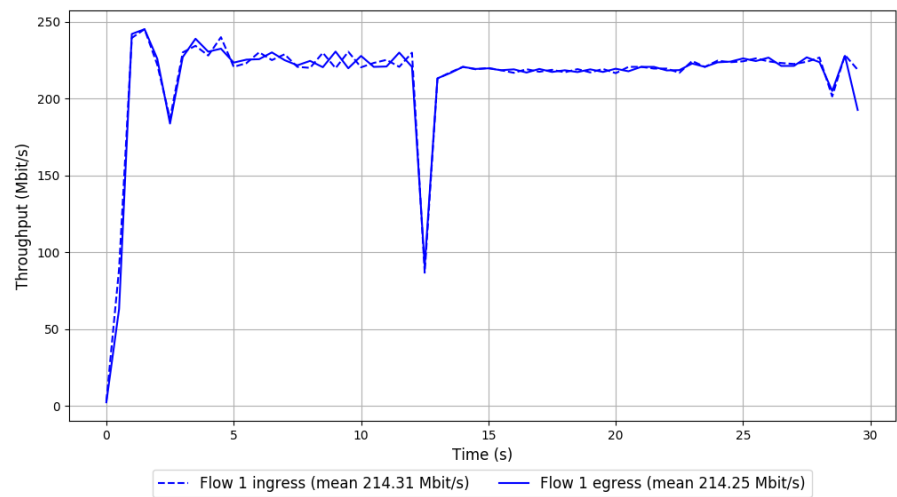
-- Flow 1:

Average throughput: 214.25 Mbit/s

95th percentile per-packet one-way delay: 54.282 ms

Loss rate: 0.38%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-24 12:39:49

End at: 2018-04-24 12:40:19

Below is generated by plot.py at 2018-04-24 16:17:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.30 Mbit/s

95th percentile per-packet one-way delay: 56.400 ms

Loss rate: 0.38%

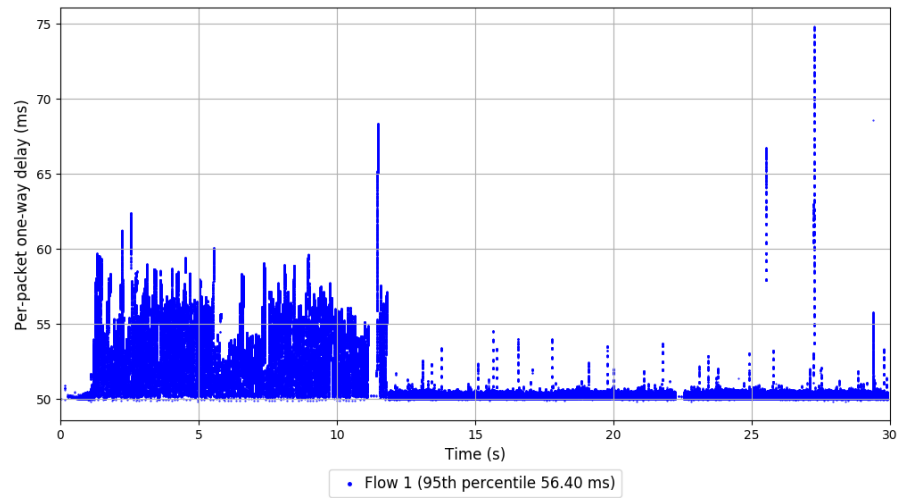
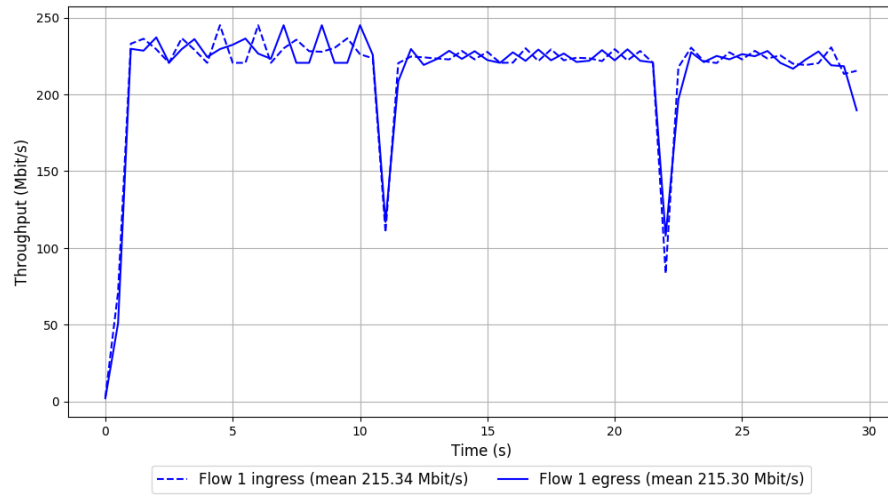
-- Flow 1:

Average throughput: 215.30 Mbit/s

95th percentile per-packet one-way delay: 56.400 ms

Loss rate: 0.38%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 12:52:37

End at: 2018-04-24 12:53:07

Below is generated by plot.py at 2018-04-24 16:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.11 Mbit/s

95th percentile per-packet one-way delay: 53.823 ms

Loss rate: 0.36%

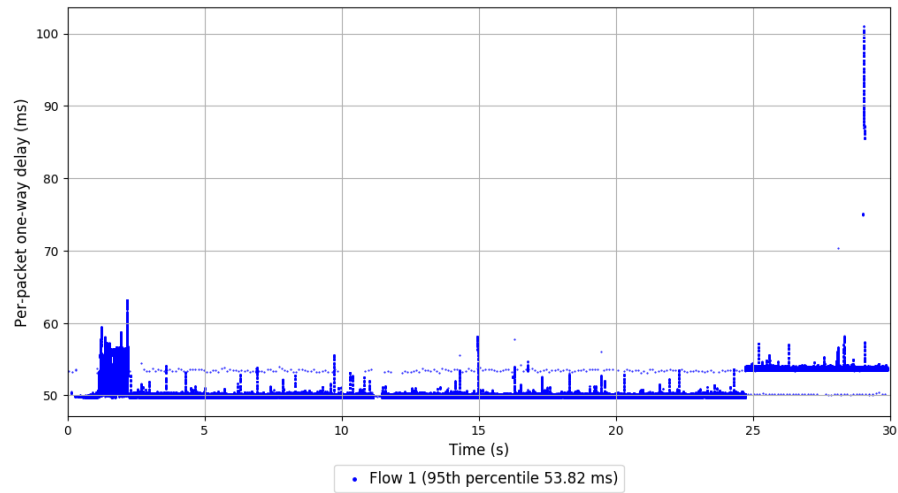
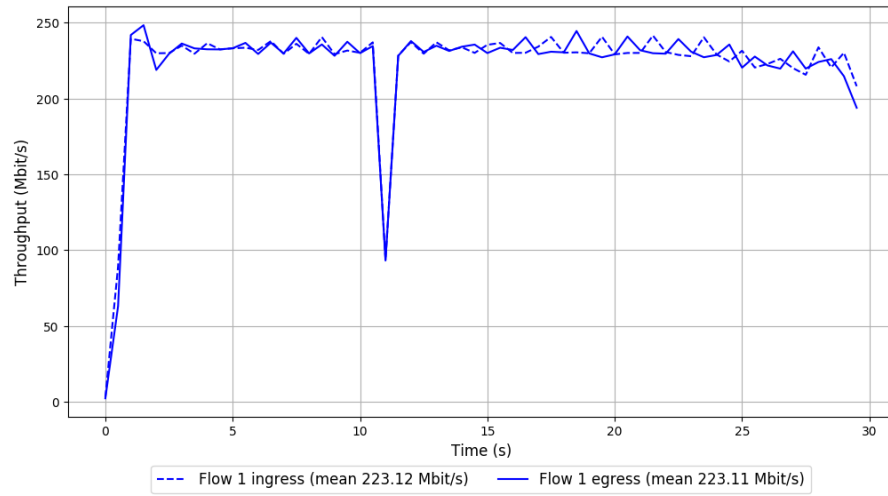
-- Flow 1:

Average throughput: 223.11 Mbit/s

95th percentile per-packet one-way delay: 53.823 ms

Loss rate: 0.36%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 13:05:41

End at: 2018-04-24 13:06:11

Below is generated by plot.py at 2018-04-24 16:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.22 Mbit/s

95th percentile per-packet one-way delay: 53.848 ms

Loss rate: 0.37%

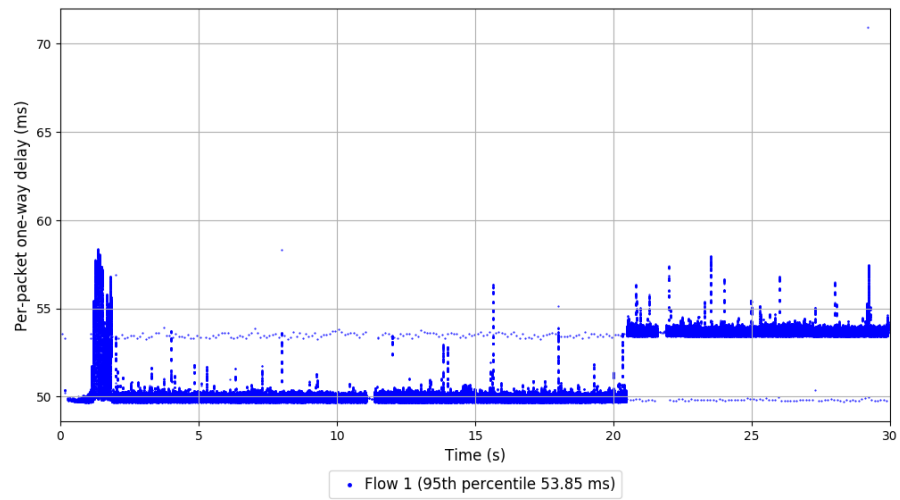
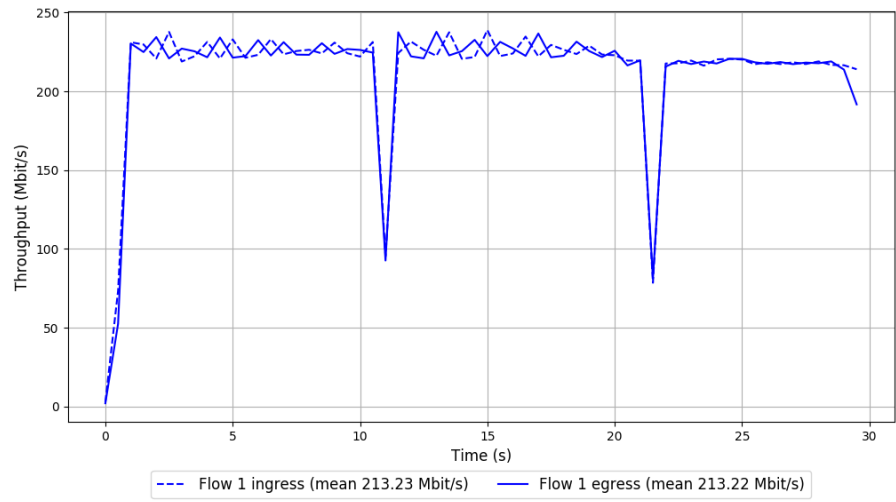
-- Flow 1:

Average throughput: 213.22 Mbit/s

95th percentile per-packet one-way delay: 53.848 ms

Loss rate: 0.37%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 13:18:31

End at: 2018-04-24 13:19:01

Below is generated by plot.py at 2018-04-24 16:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.29 Mbit/s

95th percentile per-packet one-way delay: 53.886 ms

Loss rate: 0.38%

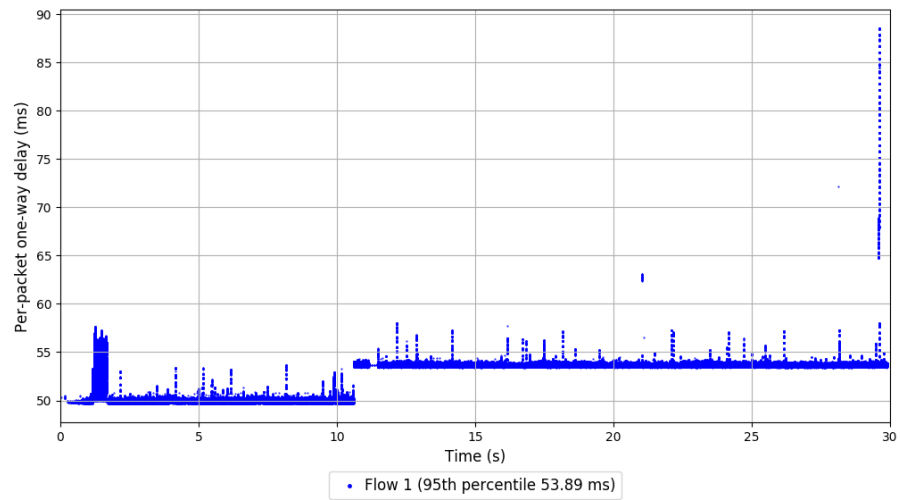
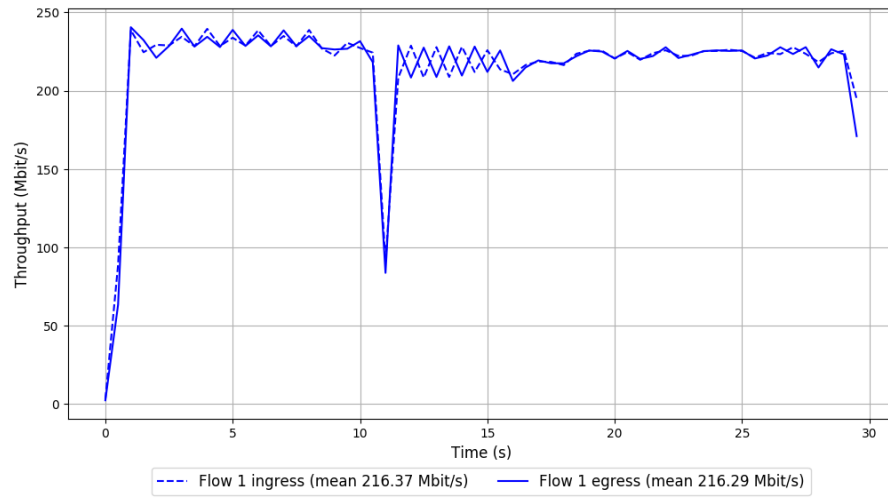
-- Flow 1:

Average throughput: 216.29 Mbit/s

95th percentile per-packet one-way delay: 53.886 ms

Loss rate: 0.38%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 13:31:28

End at: 2018-04-24 13:31:58

Below is generated by plot.py at 2018-04-24 16:21:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.77 Mbit/s

95th percentile per-packet one-way delay: 59.303 ms

Loss rate: 0.35%

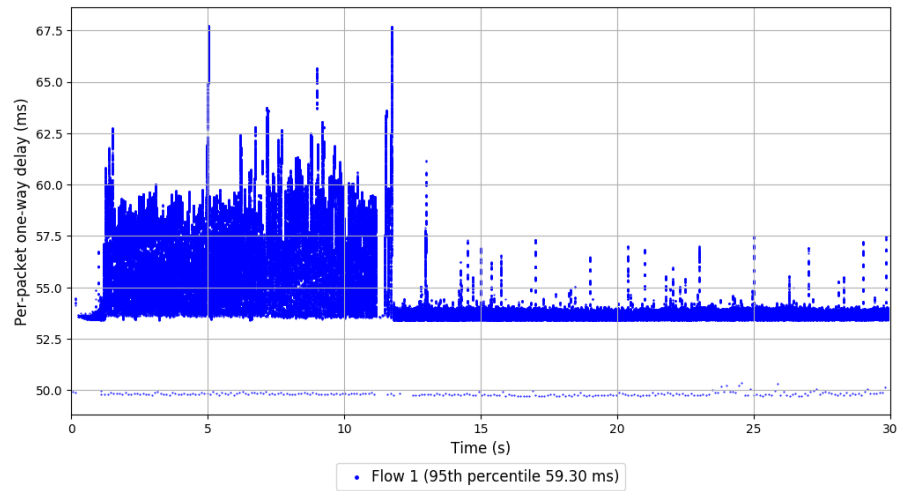
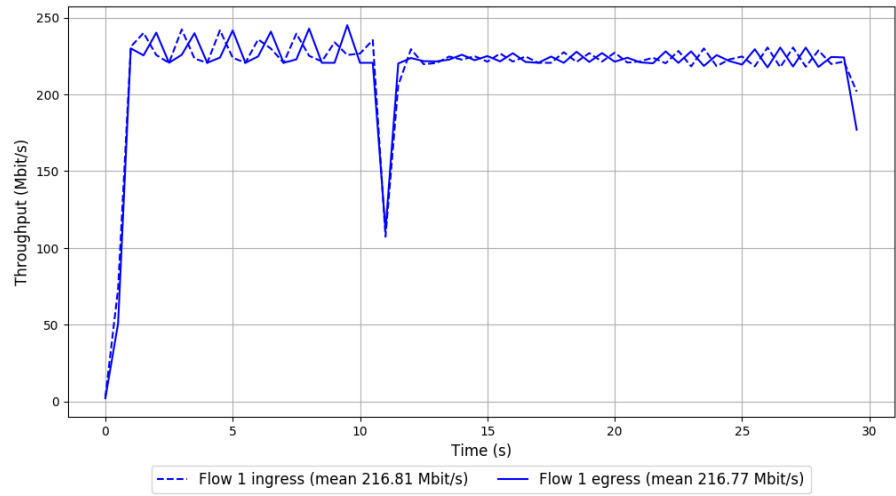
-- Flow 1:

Average throughput: 216.77 Mbit/s

95th percentile per-packet one-way delay: 59.303 ms

Loss rate: 0.35%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 13:44:35

End at: 2018-04-24 13:45:05

Below is generated by plot.py at 2018-04-24 16:21:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.48 Mbit/s

95th percentile per-packet one-way delay: 57.717 ms

Loss rate: 0.39%

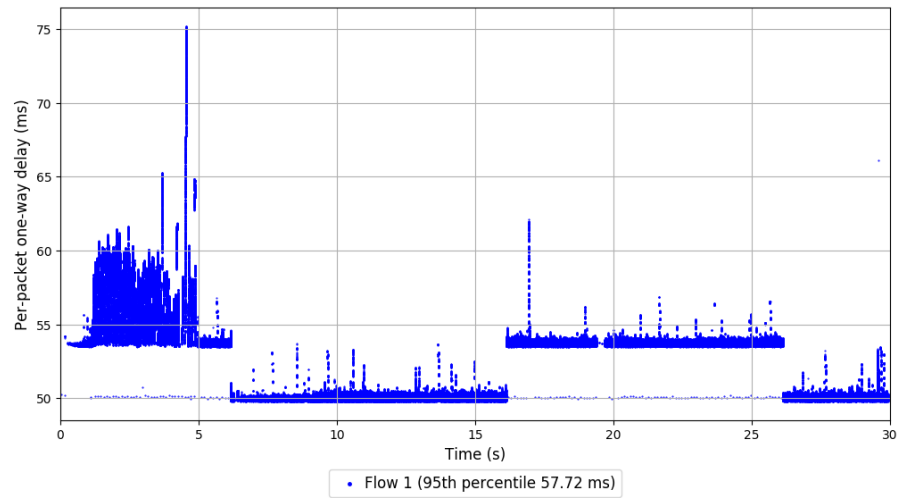
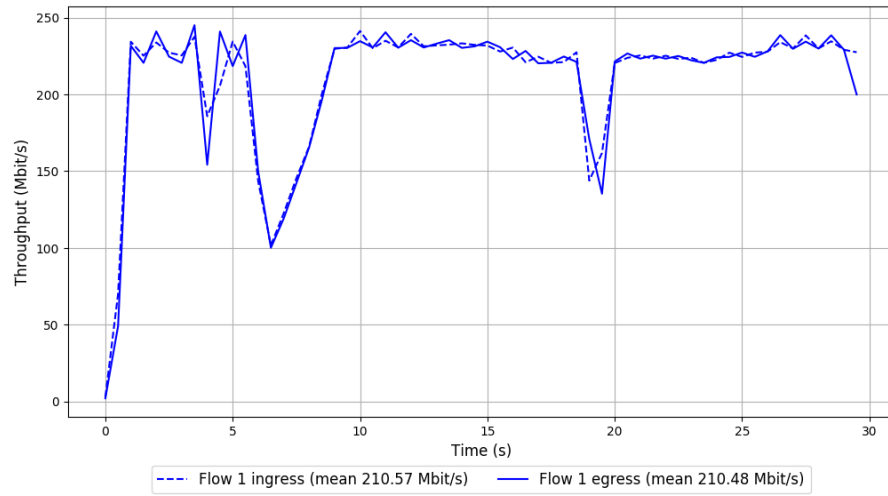
-- Flow 1:

Average throughput: 210.48 Mbit/s

95th percentile per-packet one-way delay: 57.717 ms

Loss rate: 0.39%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 11:53:27

End at: 2018-04-24 11:53:57

Below is generated by plot.py at 2018-04-24 16:21:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.67 Mbit/s

95th percentile per-packet one-way delay: 57.751 ms

Loss rate: 0.39%

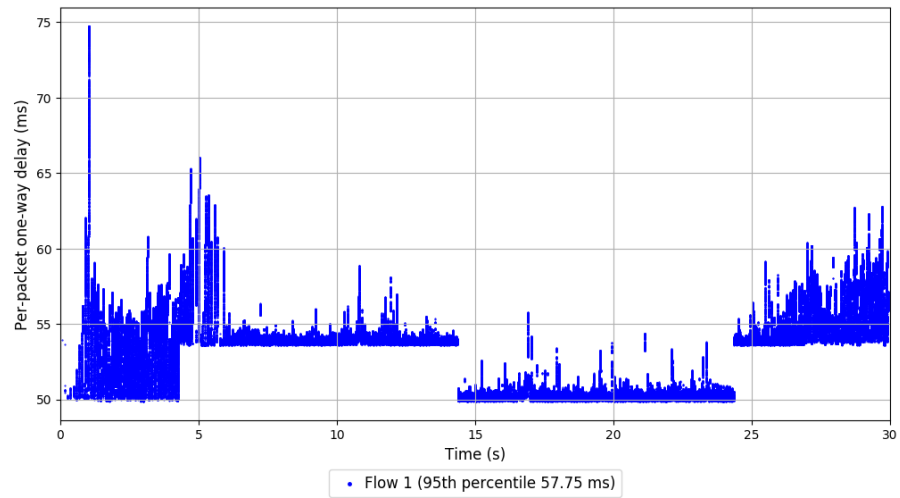
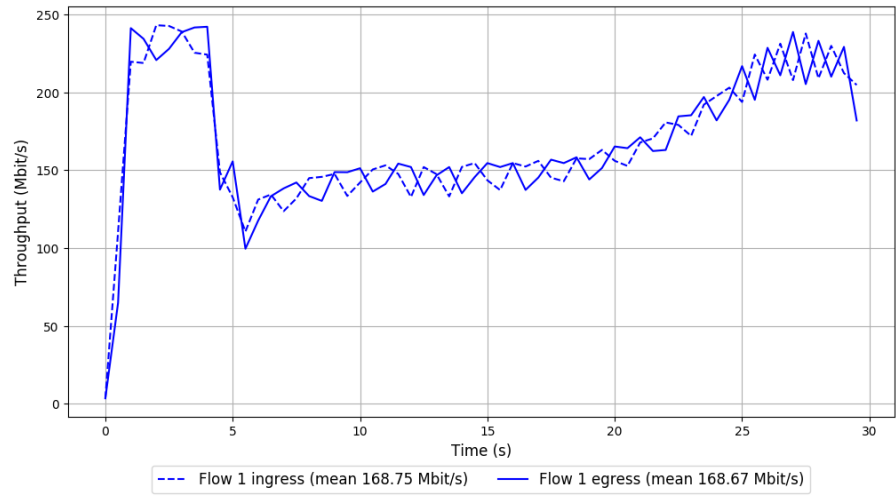
-- Flow 1:

Average throughput: 168.67 Mbit/s

95th percentile per-packet one-way delay: 57.751 ms

Loss rate: 0.39%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 12:06:38

End at: 2018-04-24 12:07:08

Below is generated by plot.py at 2018-04-24 16:21:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.92 Mbit/s

95th percentile per-packet one-way delay: 60.977 ms

Loss rate: 0.48%

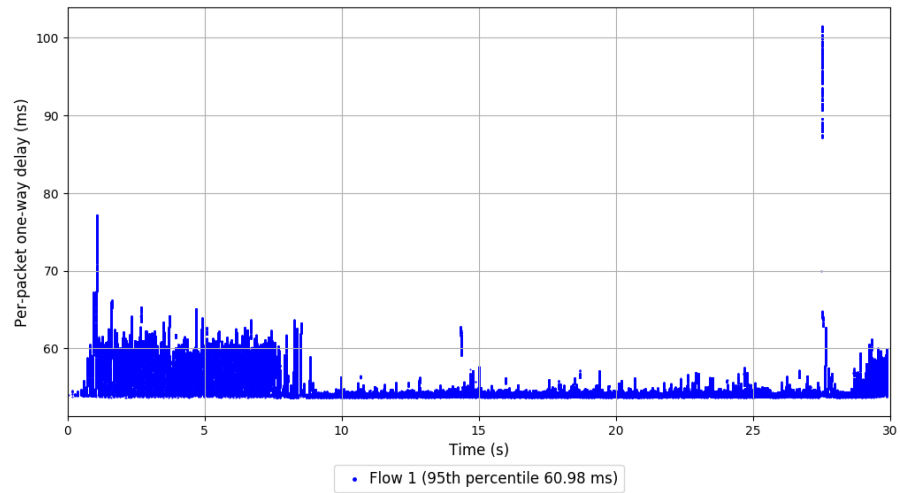
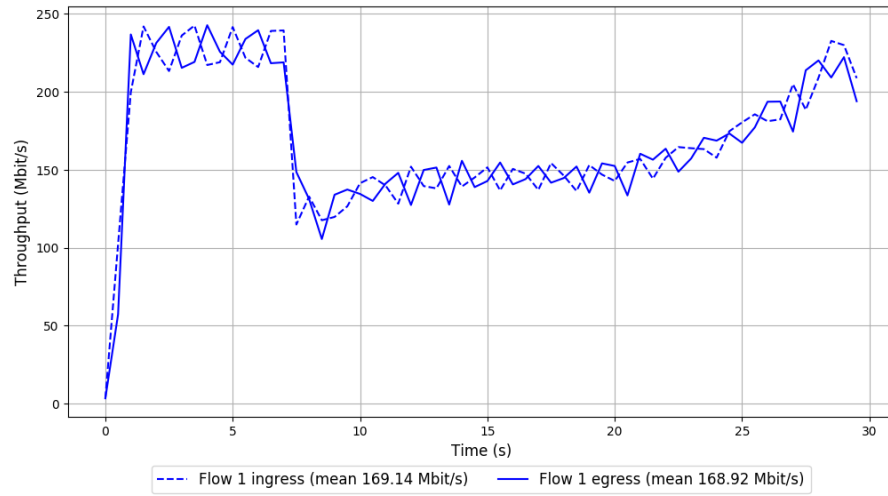
-- Flow 1:

Average throughput: 168.92 Mbit/s

95th percentile per-packet one-way delay: 60.977 ms

Loss rate: 0.48%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 12:19:48

End at: 2018-04-24 12:20:18

Below is generated by plot.py at 2018-04-24 16:21:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.22 Mbit/s

95th percentile per-packet one-way delay: 61.667 ms

Loss rate: 0.25%

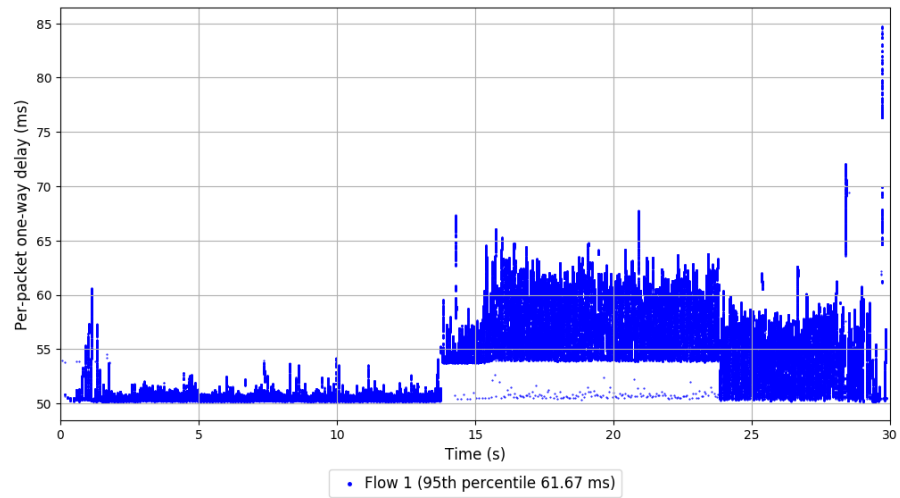
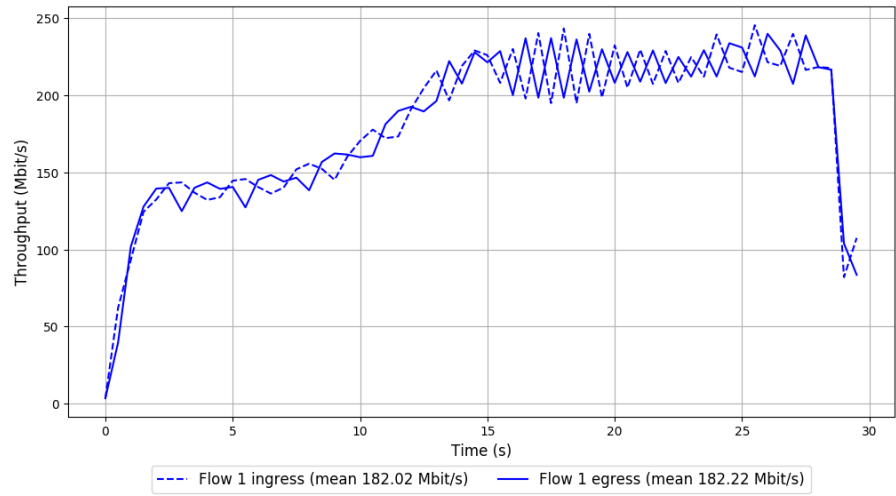
-- Flow 1:

Average throughput: 182.22 Mbit/s

95th percentile per-packet one-way delay: 61.667 ms

Loss rate: 0.25%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 12:33:00

End at: 2018-04-24 12:33:30

Below is generated by plot.py at 2018-04-24 16:21:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.53 Mbit/s

95th percentile per-packet one-way delay: 61.330 ms

Loss rate: 0.28%

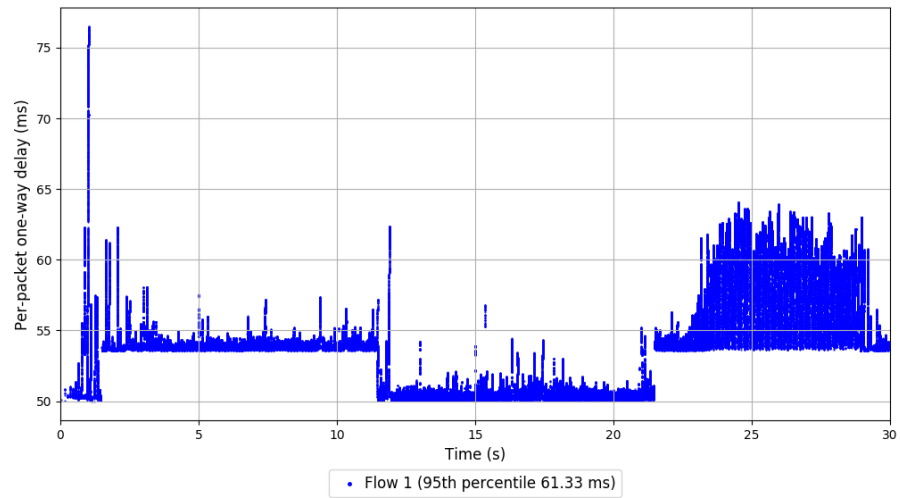
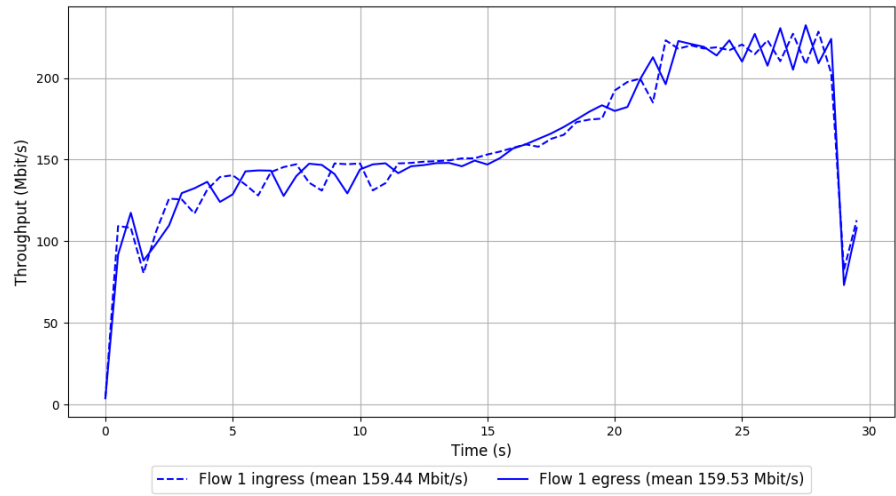
-- Flow 1:

Average throughput: 159.53 Mbit/s

95th percentile per-packet one-way delay: 61.330 ms

Loss rate: 0.28%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 12:45:50

End at: 2018-04-24 12:46:20

Below is generated by plot.py at 2018-04-24 16:21:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.67 Mbit/s

95th percentile per-packet one-way delay: 57.392 ms

Loss rate: 0.31%

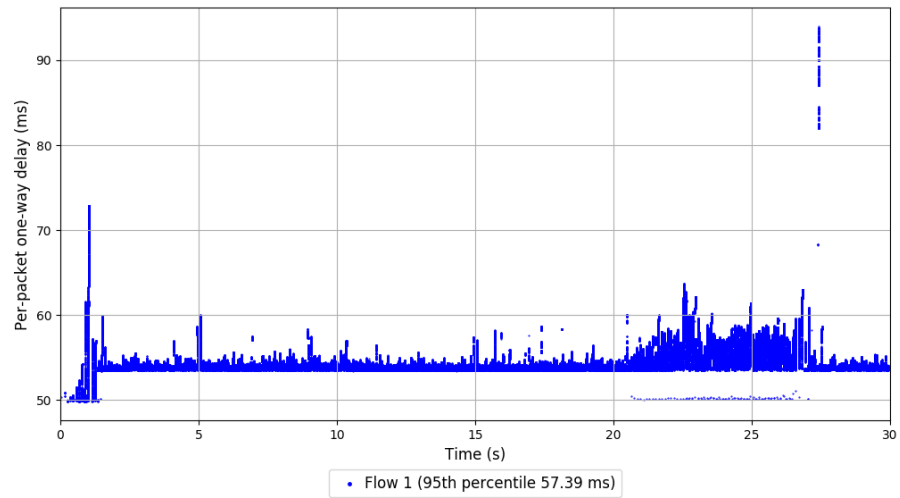
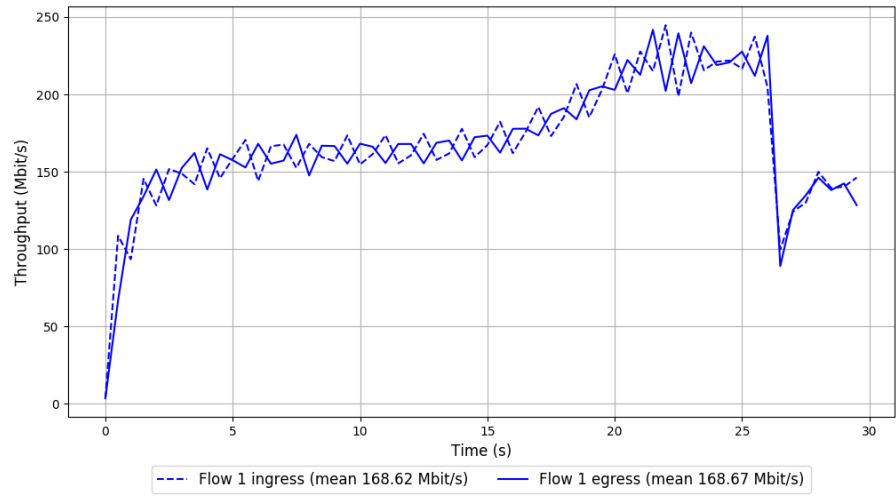
-- Flow 1:

Average throughput: 168.67 Mbit/s

95th percentile per-packet one-way delay: 57.392 ms

Loss rate: 0.31%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 12:58:54

End at: 2018-04-24 12:59:24

Below is generated by plot.py at 2018-04-24 16:21:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.52 Mbit/s

95th percentile per-packet one-way delay: 54.173 ms

Loss rate: 0.40%

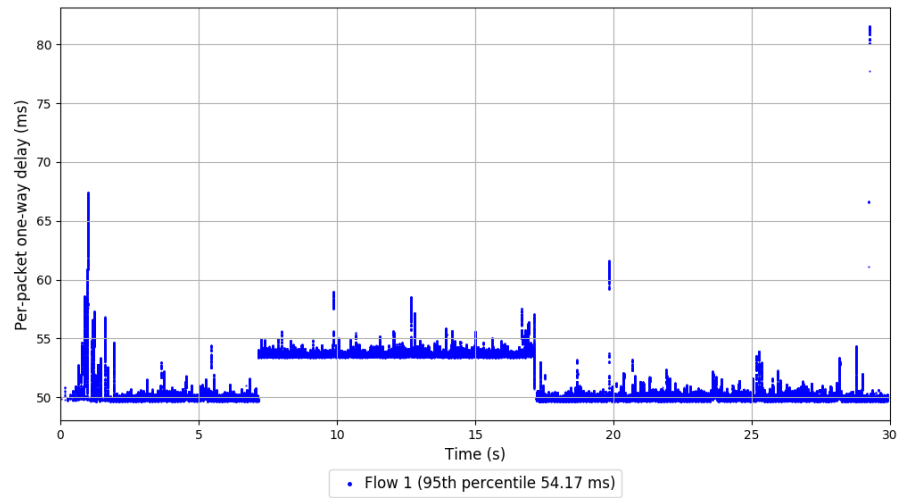
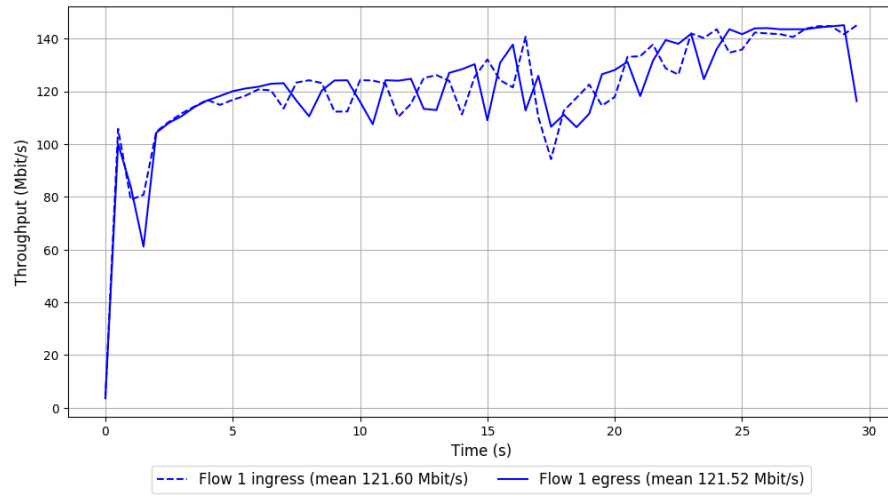
-- Flow 1:

Average throughput: 121.52 Mbit/s

95th percentile per-packet one-way delay: 54.173 ms

Loss rate: 0.40%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 13:11:46

End at: 2018-04-24 13:12:16

Below is generated by plot.py at 2018-04-24 16:22:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.97 Mbit/s

95th percentile per-packet one-way delay: 58.035 ms

Loss rate: 0.33%

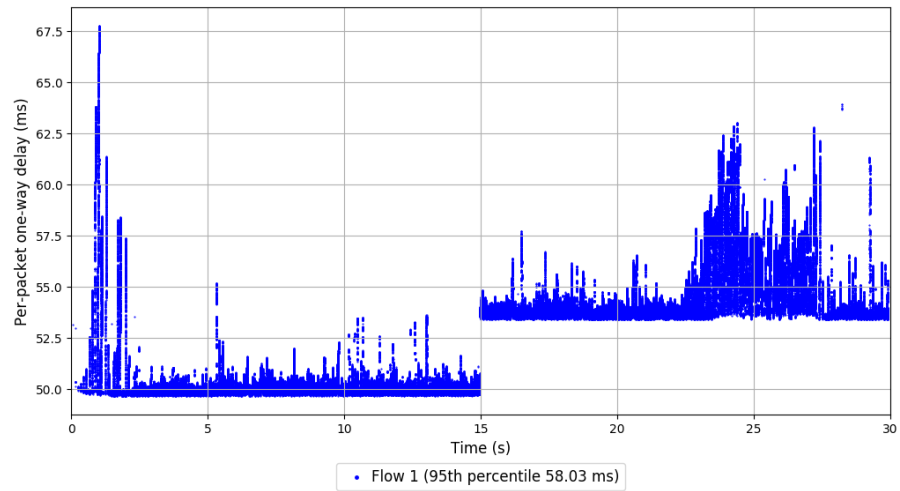
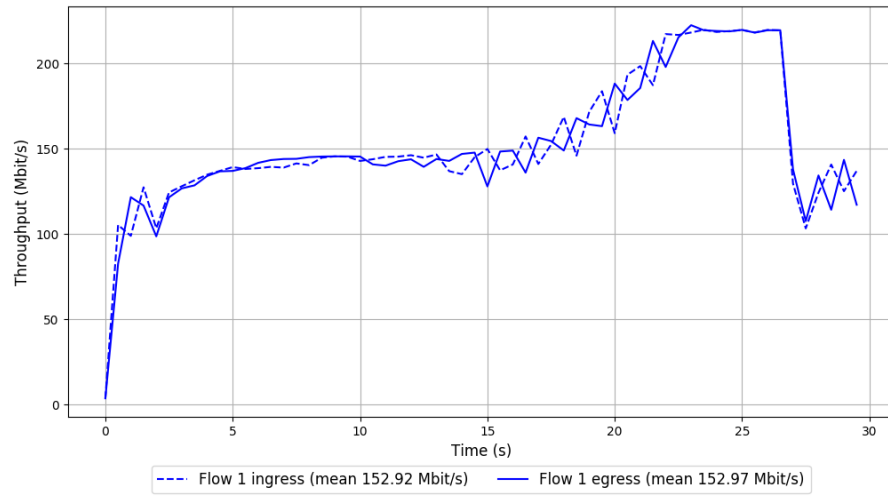
-- Flow 1:

Average throughput: 152.97 Mbit/s

95th percentile per-packet one-way delay: 58.035 ms

Loss rate: 0.33%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 13:24:43

End at: 2018-04-24 13:25:13

Below is generated by plot.py at 2018-04-24 16:22:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.39 Mbit/s

95th percentile per-packet one-way delay: 60.377 ms

Loss rate: 0.52%

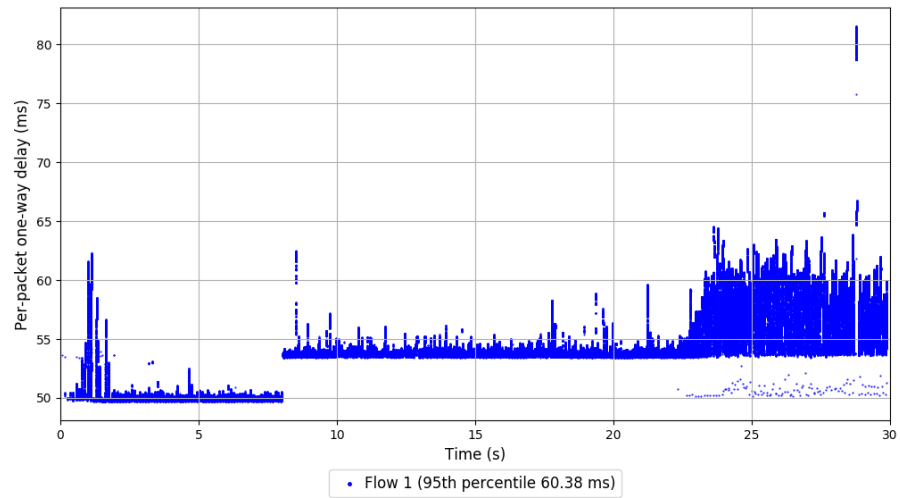
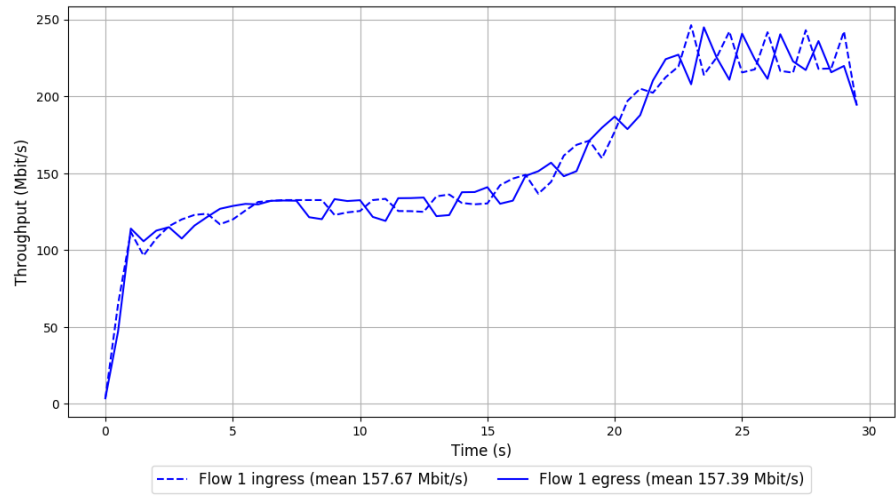
-- Flow 1:

Average throughput: 157.39 Mbit/s

95th percentile per-packet one-way delay: 60.377 ms

Loss rate: 0.52%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 13:37:49

End at: 2018-04-24 13:38:19

Below is generated by plot.py at 2018-04-24 16:22:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.58 Mbit/s

95th percentile per-packet one-way delay: 59.317 ms

Loss rate: 0.48%

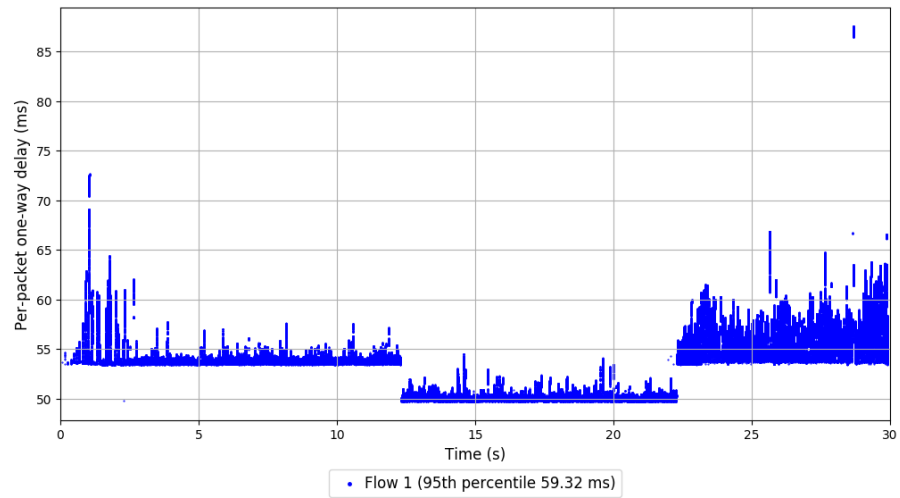
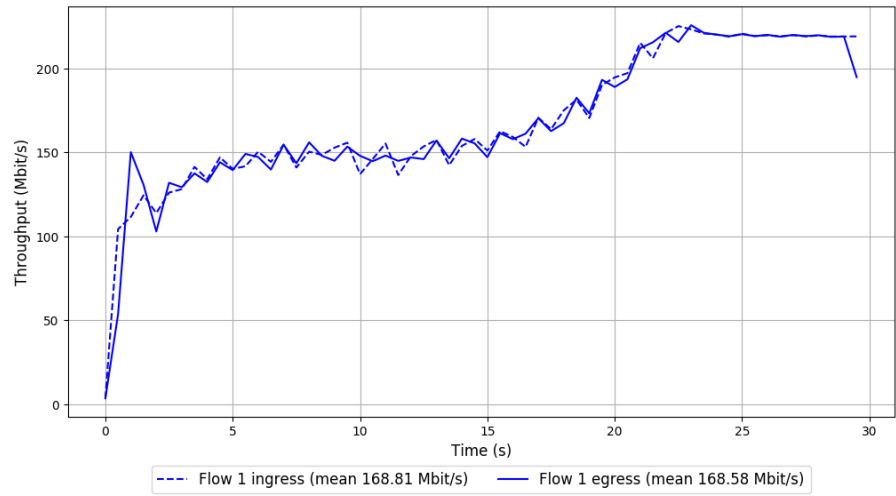
-- Flow 1:

Average throughput: 168.58 Mbit/s

95th percentile per-packet one-way delay: 59.317 ms

Loss rate: 0.48%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 13:50:49

End at: 2018-04-24 13:51:19

Below is generated by plot.py at 2018-04-24 16:23:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.26 Mbit/s

95th percentile per-packet one-way delay: 60.018 ms

Loss rate: 0.24%

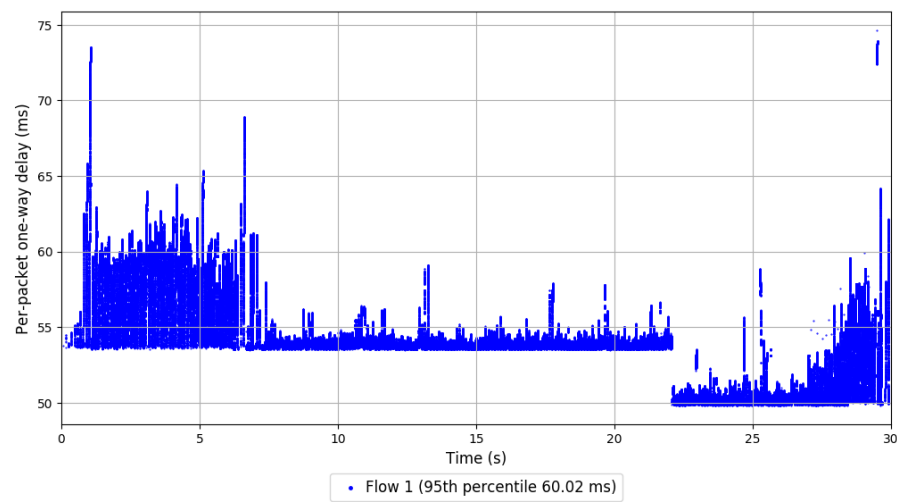
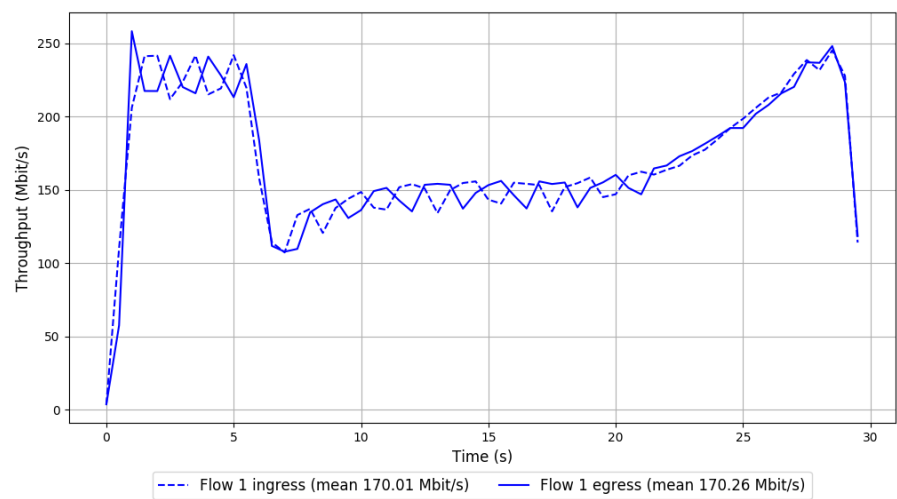
-- Flow 1:

Average throughput: 170.26 Mbit/s

95th percentile per-packet one-way delay: 60.018 ms

Loss rate: 0.24%

Run 10: Report of TCP Cubic — Data Link

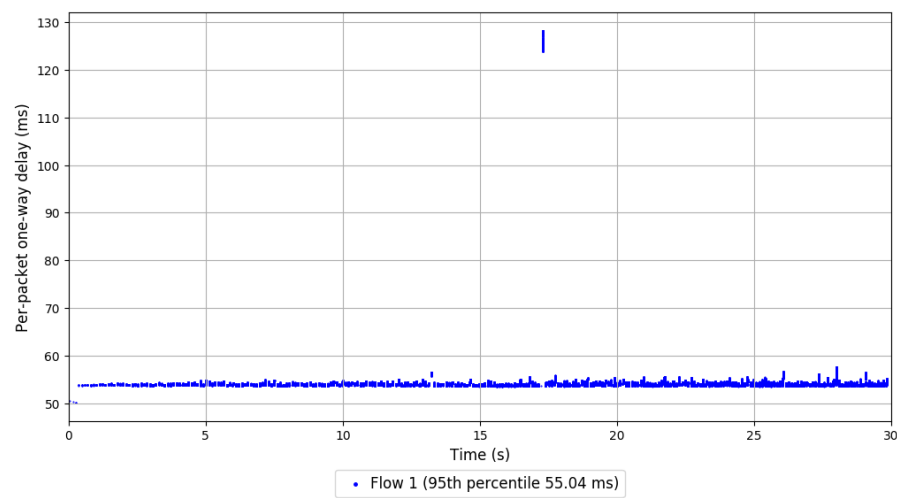
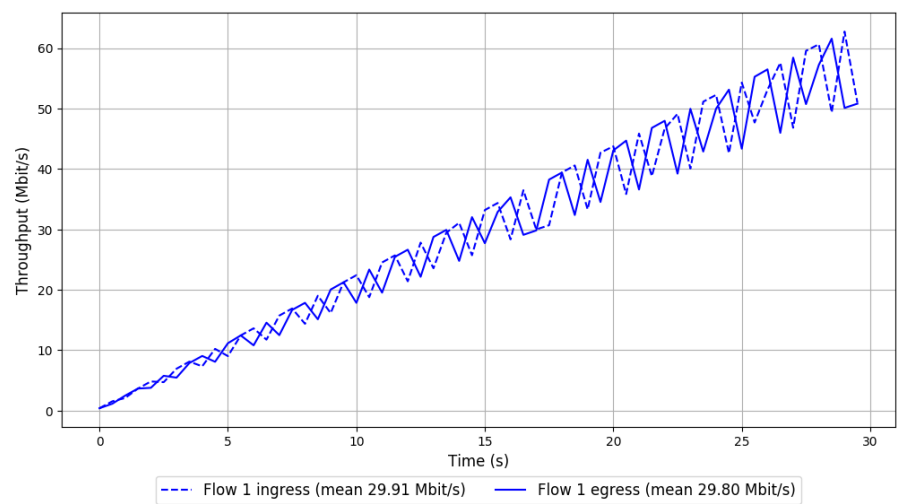


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 11:55:11
End at: 2018-04-24 11:55:41

# Below is generated by plot.py at 2018-04-24 16:23:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 55.037 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 55.037 ms
Loss rate: 0.72%
```

Run 1: Report of LEDBAT — Data Link

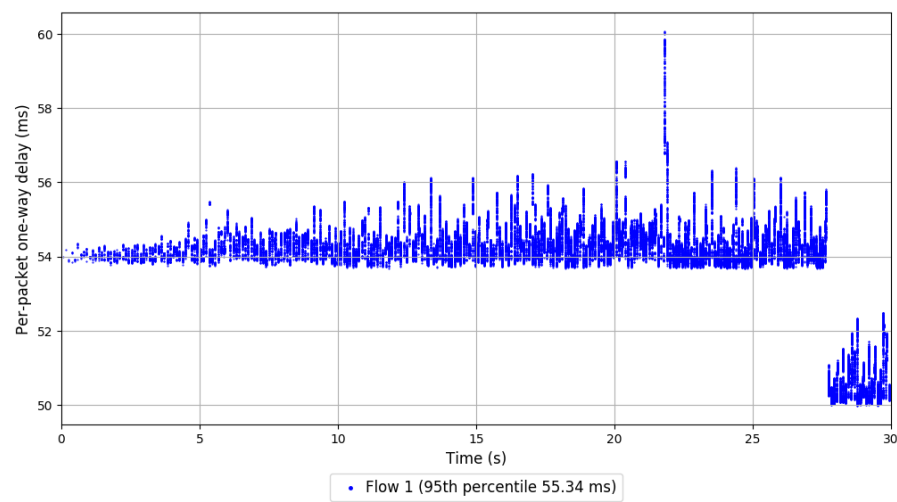
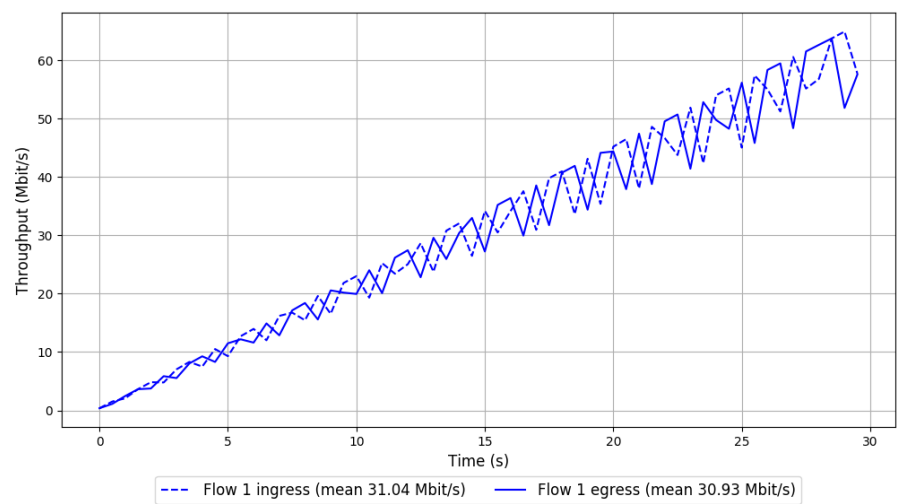


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-24 12:08:24
End at: 2018-04-24 12:08:54

# Below is generated by plot.py at 2018-04-24 16:23:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 55.341 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 55.341 ms
Loss rate: 0.71%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-24 12:21:34

End at: 2018-04-24 12:22:04

Below is generated by plot.py at 2018-04-24 16:23:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.56 Mbit/s

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

Loss rate: 0.67%

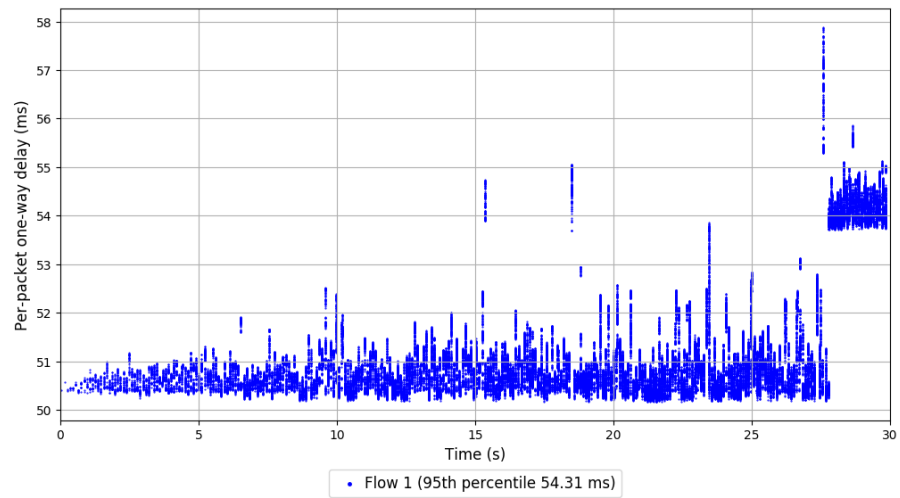
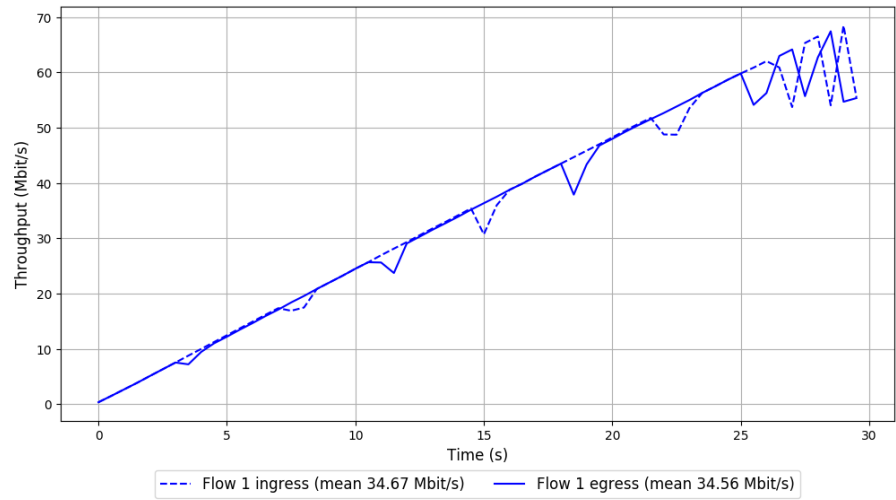
-- Flow 1:

Average throughput: 34.56 Mbit/s

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

Loss rate: 0.67%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-24 12:34:47

End at: 2018-04-24 12:35:17

Below is generated by plot.py at 2018-04-24 16:23:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.08 Mbit/s

95th percentile per-packet one-way delay: 54.924 ms

Loss rate: 0.35%

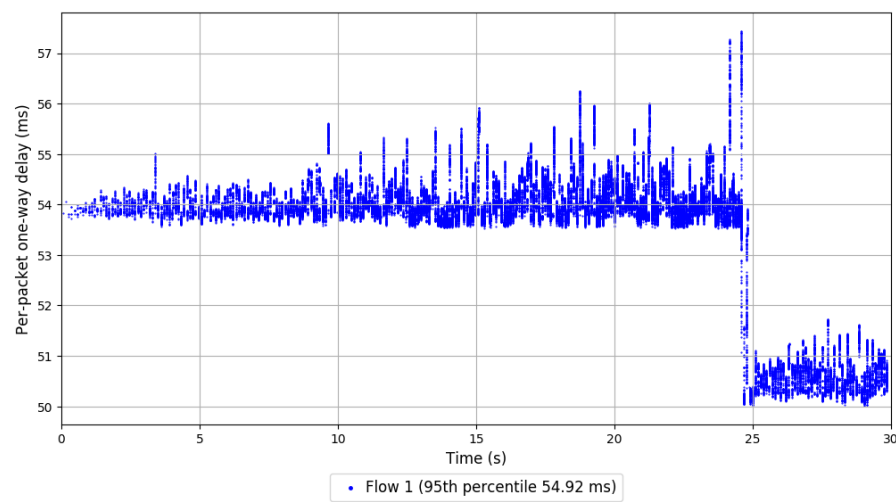
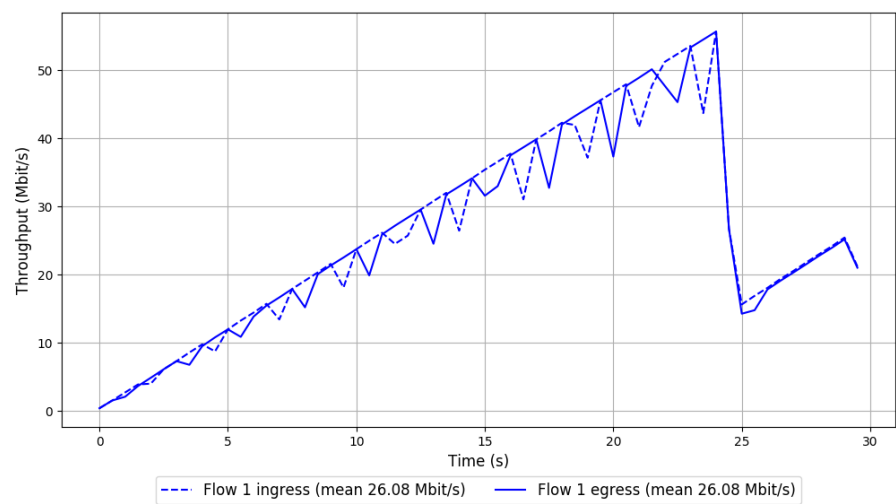
-- Flow 1:

Average throughput: 26.08 Mbit/s

95th percentile per-packet one-way delay: 54.924 ms

Loss rate: 0.35%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-24 12:47:34

End at: 2018-04-24 12:48:04

Below is generated by plot.py at 2018-04-24 16:23:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 55.124 ms

Loss rate: 0.70%

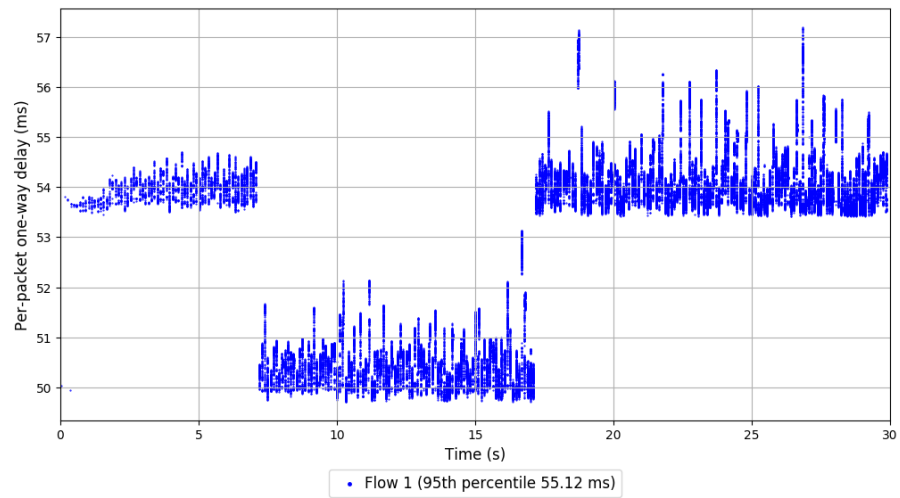
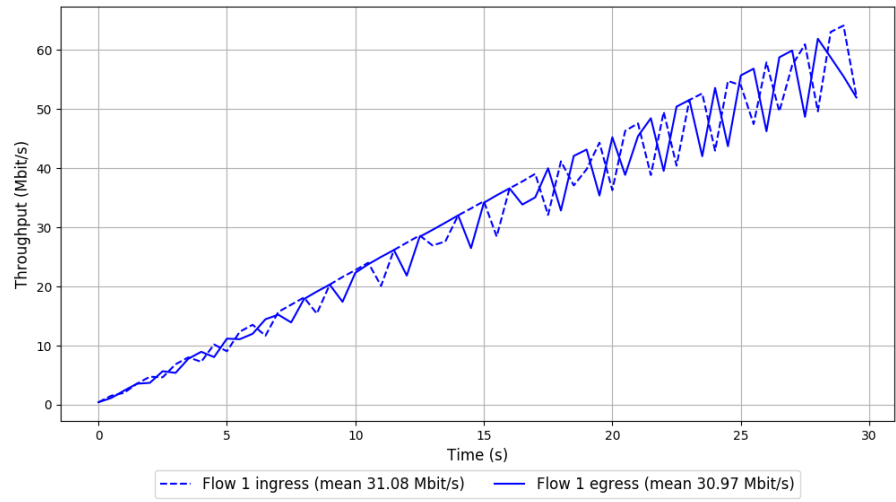
-- Flow 1:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 55.124 ms

Loss rate: 0.70%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-24 13:00:37

End at: 2018-04-24 13:01:07

Below is generated by plot.py at 2018-04-24 16:23:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.56 Mbit/s

95th percentile per-packet one-way delay: 54.597 ms

Loss rate: 0.69%

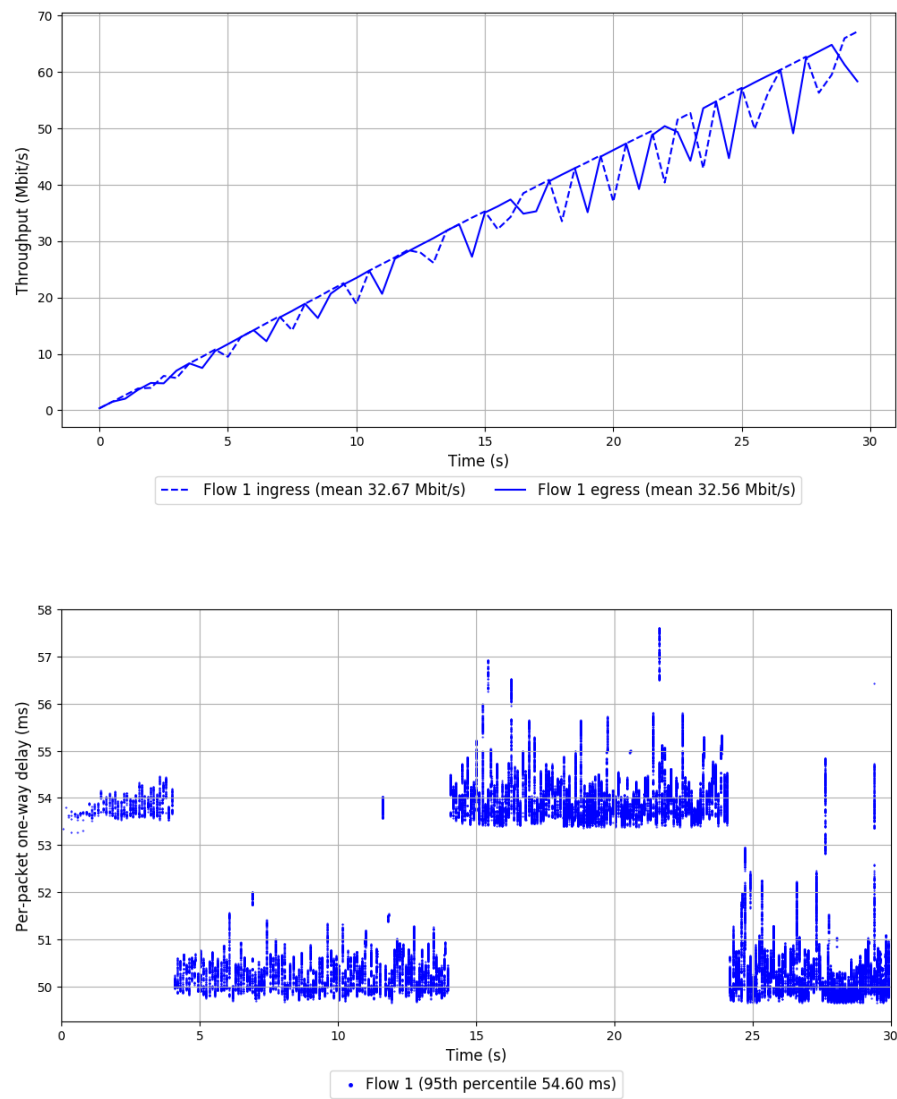
-- Flow 1:

Average throughput: 32.56 Mbit/s

95th percentile per-packet one-way delay: 54.597 ms

Loss rate: 0.69%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-24 13:13:26

End at: 2018-04-24 13:13:56

Below is generated by plot.py at 2018-04-24 16:23:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.29 Mbit/s

95th percentile per-packet one-way delay: 54.853 ms

Loss rate: 0.69%

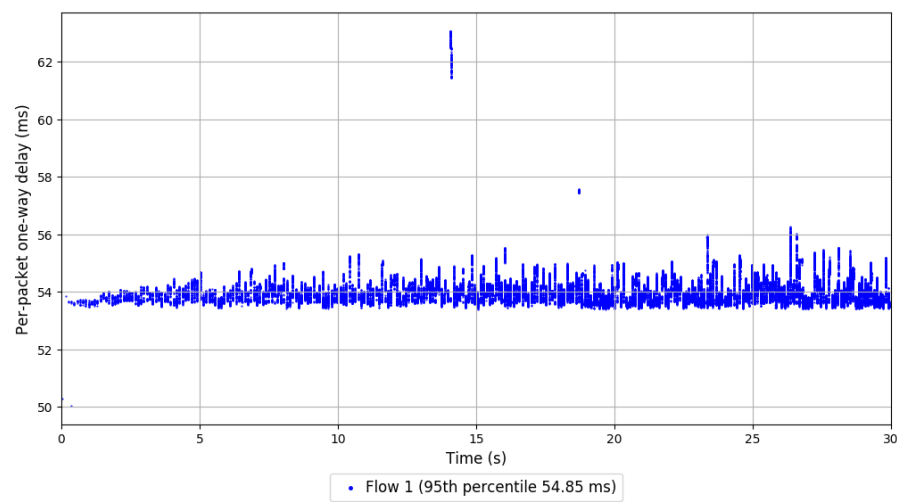
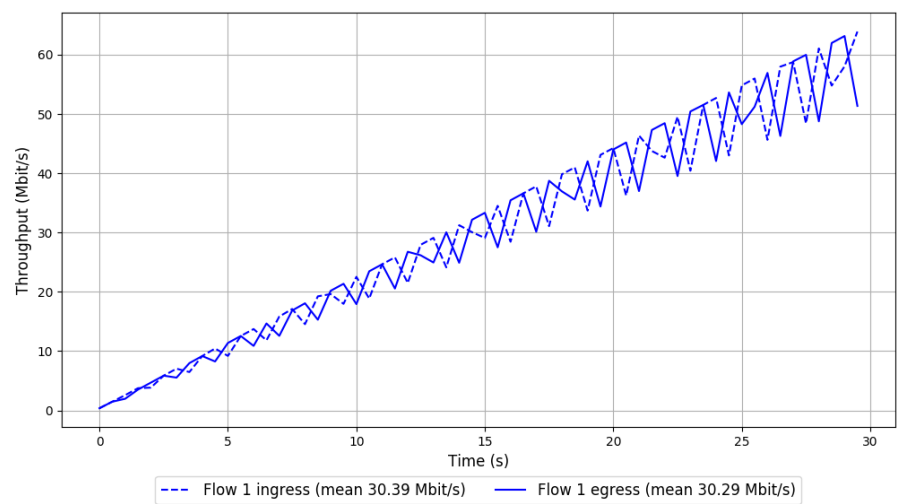
-- Flow 1:

Average throughput: 30.29 Mbit/s

95th percentile per-packet one-way delay: 54.853 ms

Loss rate: 0.69%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 13:26:29

End at: 2018-04-24 13:26:59

Below is generated by plot.py at 2018-04-24 16:23:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.51 Mbit/s

95th percentile per-packet one-way delay: 54.626 ms

Loss rate: 0.70%

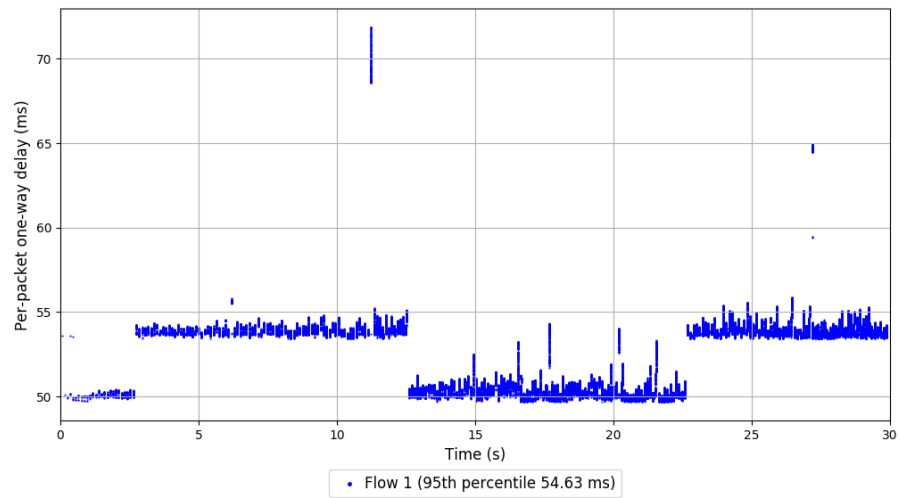
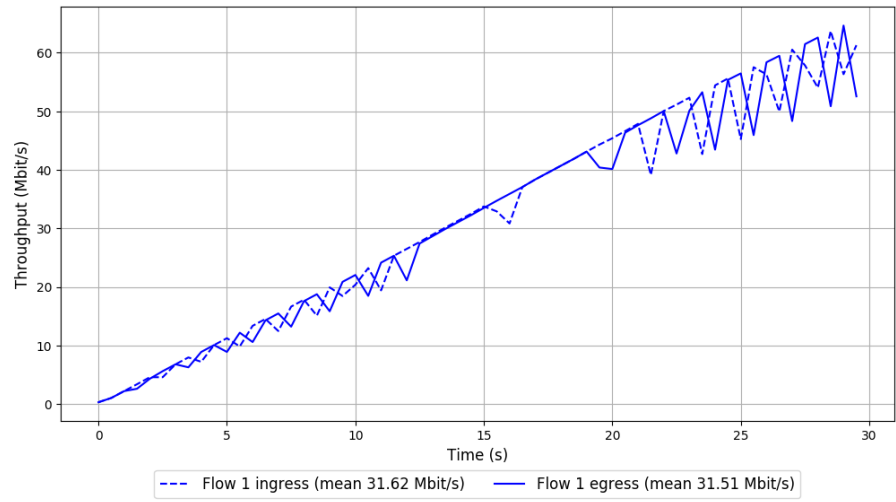
-- Flow 1:

Average throughput: 31.51 Mbit/s

95th percentile per-packet one-way delay: 54.626 ms

Loss rate: 0.70%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 13:39:33

End at: 2018-04-24 13:40:03

Below is generated by plot.py at 2018-04-24 16:23:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.98 Mbit/s

95th percentile per-packet one-way delay: 54.361 ms

Loss rate: 0.77%

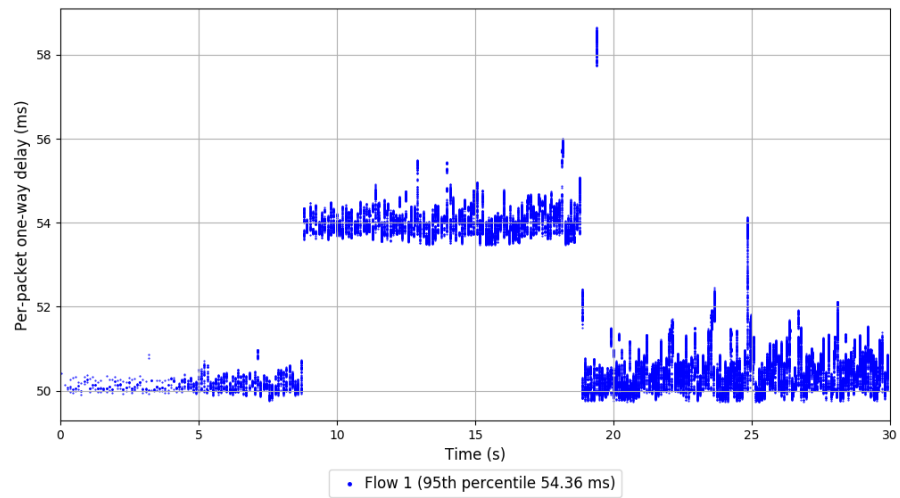
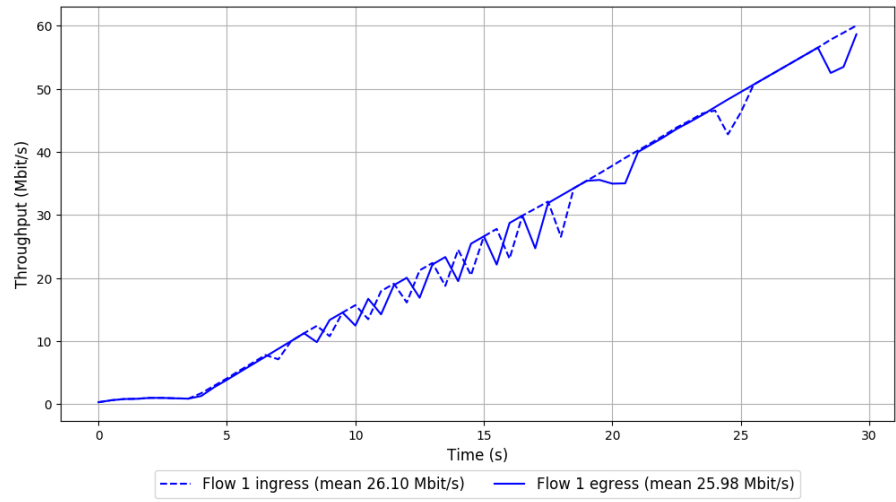
-- Flow 1:

Average throughput: 25.98 Mbit/s

95th percentile per-packet one-way delay: 54.361 ms

Loss rate: 0.77%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 13:52:34

End at: 2018-04-24 13:53:04

Below is generated by plot.py at 2018-04-24 16:23:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.55 Mbit/s

95th percentile per-packet one-way delay: 54.269 ms

Loss rate: 0.67%

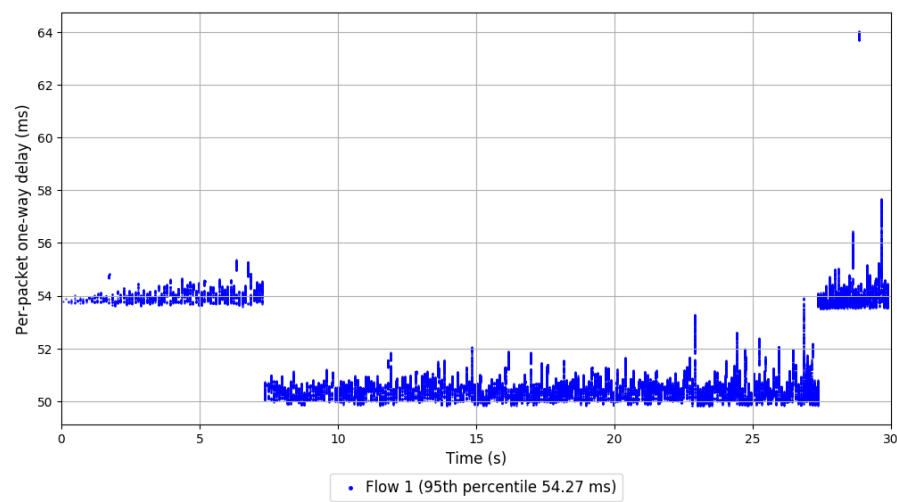
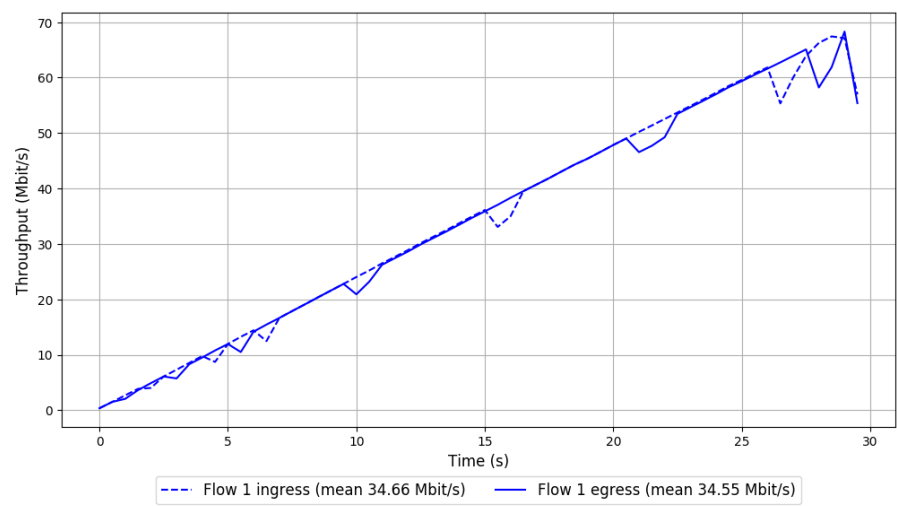
-- Flow 1:

Average throughput: 34.55 Mbit/s

95th percentile per-packet one-way delay: 54.269 ms

Loss rate: 0.67%

Run 10: Report of LEDBAT — Data Link

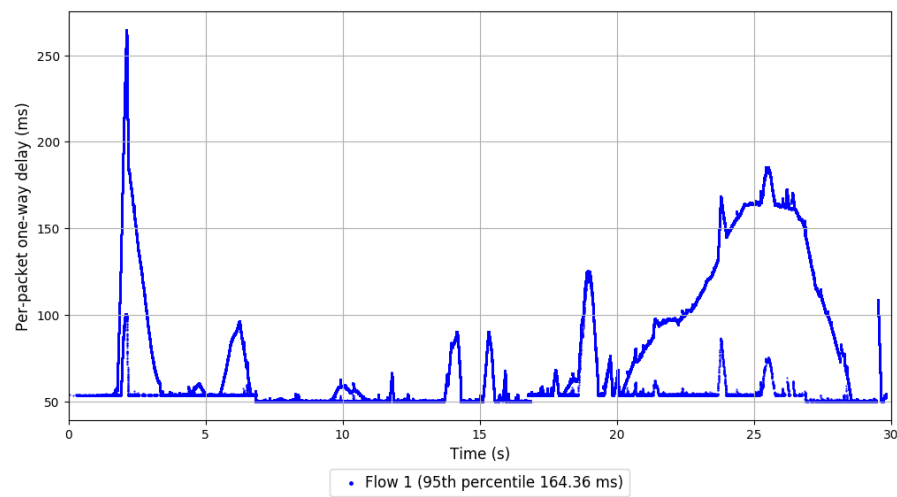
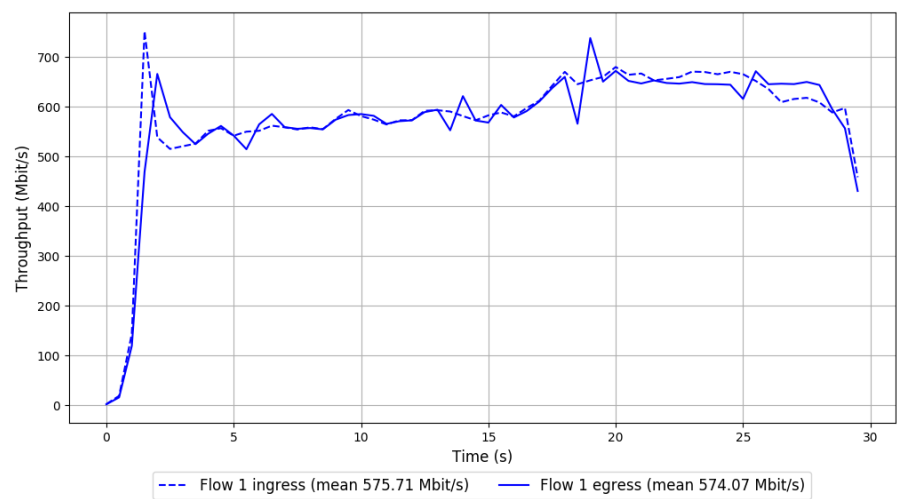


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 11:50:24
End at: 2018-04-24 11:50:54

# Below is generated by plot.py at 2018-04-24 16:31:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 574.07 Mbit/s
95th percentile per-packet one-way delay: 164.360 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 574.07 Mbit/s
95th percentile per-packet one-way delay: 164.360 ms
Loss rate: 0.65%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 12:03:21

End at: 2018-04-24 12:03:51

Below is generated by plot.py at 2018-04-24 16:31:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.28 Mbit/s

95th percentile per-packet one-way delay: 178.312 ms

Loss rate: 1.20%

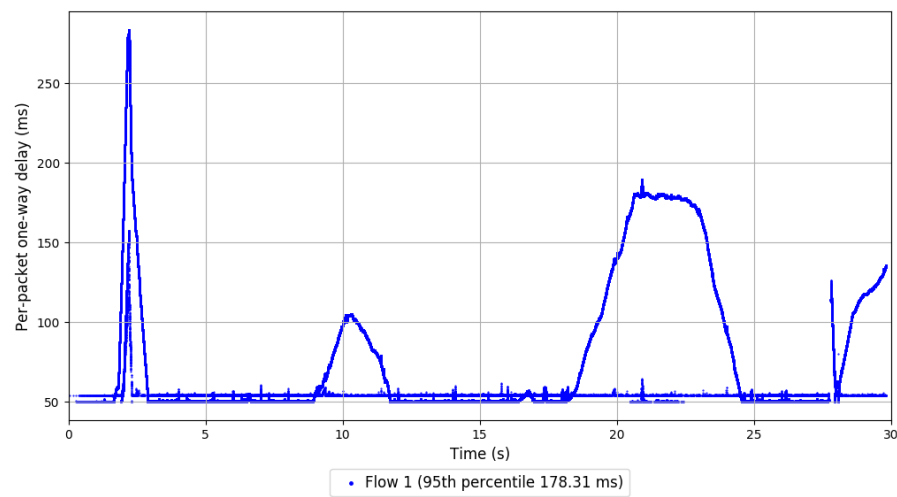
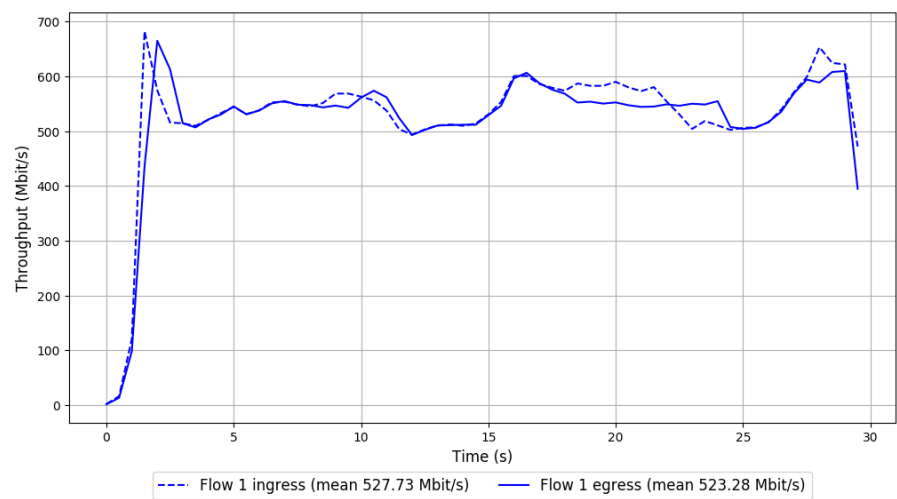
-- Flow 1:

Average throughput: 523.28 Mbit/s

95th percentile per-packet one-way delay: 178.312 ms

Loss rate: 1.20%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 12:16:27

End at: 2018-04-24 12:16:57

Below is generated by plot.py at 2018-04-24 16:31:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 547.64 Mbit/s

95th percentile per-packet one-way delay: 181.262 ms

Loss rate: 1.34%

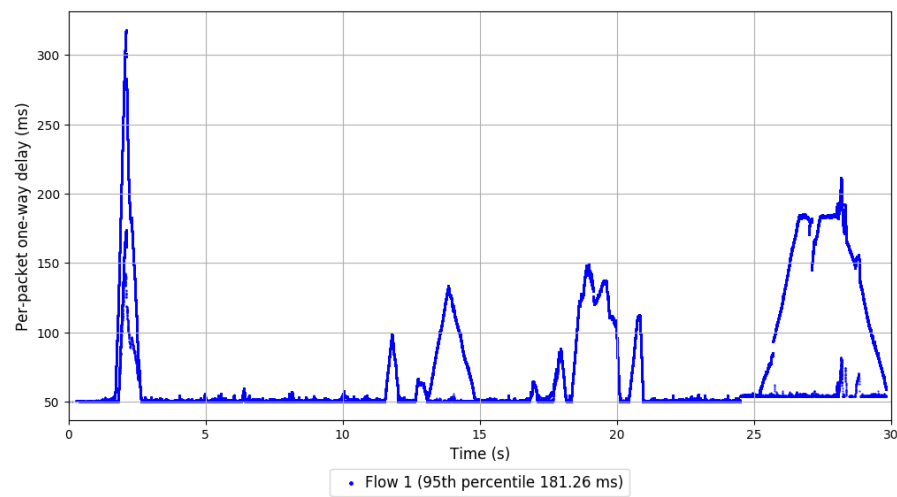
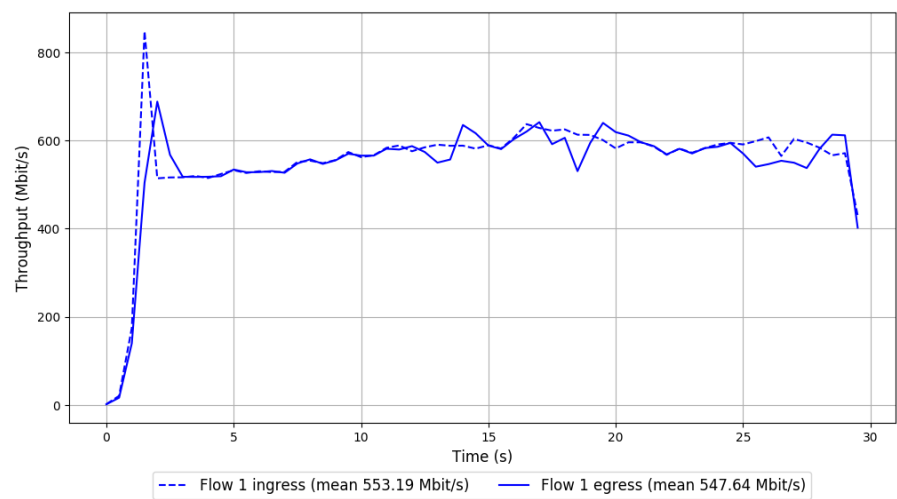
-- Flow 1:

Average throughput: 547.64 Mbit/s

95th percentile per-packet one-way delay: 181.262 ms

Loss rate: 1.34%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 12:29:40

End at: 2018-04-24 12:30:10

Below is generated by plot.py at 2018-04-24 16:31:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.84 Mbit/s

95th percentile per-packet one-way delay: 170.639 ms

Loss rate: 0.78%

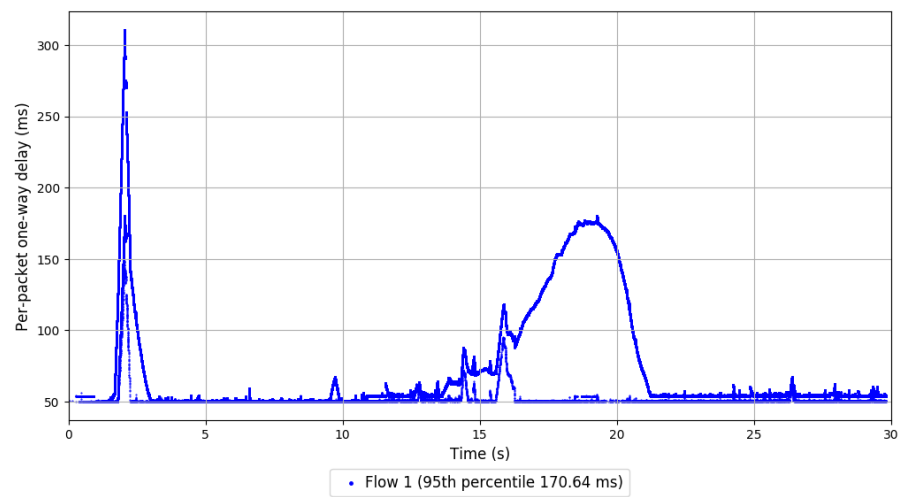
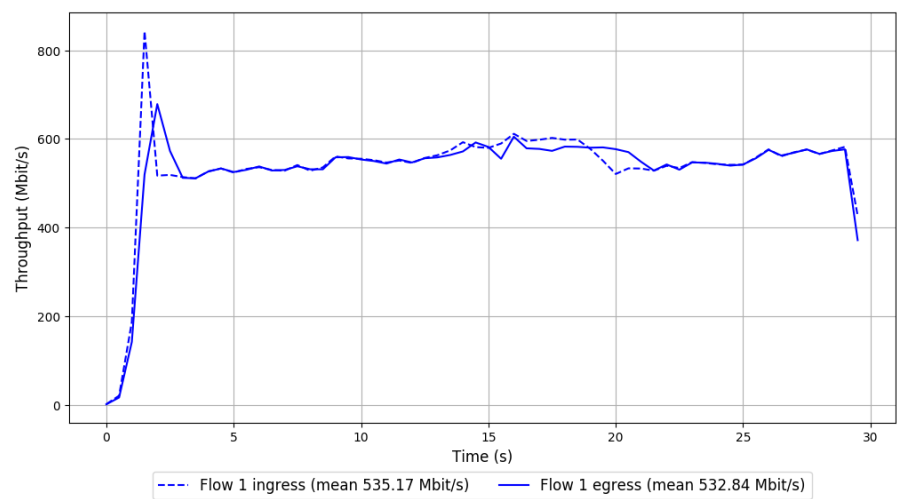
-- Flow 1:

Average throughput: 532.84 Mbit/s

95th percentile per-packet one-way delay: 170.639 ms

Loss rate: 0.78%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 12:42:49

End at: 2018-04-24 12:43:19

Below is generated by plot.py at 2018-04-24 16:31:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.13 Mbit/s

95th percentile per-packet one-way delay: 124.262 ms

Loss rate: 0.68%

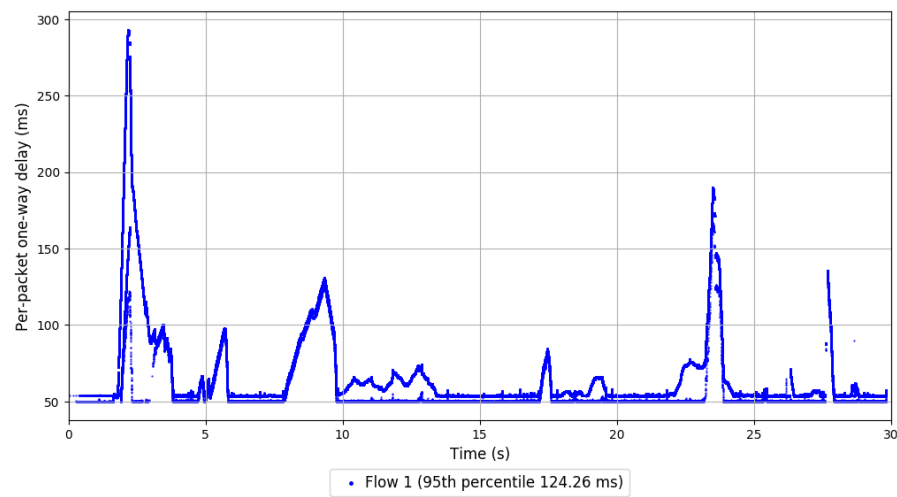
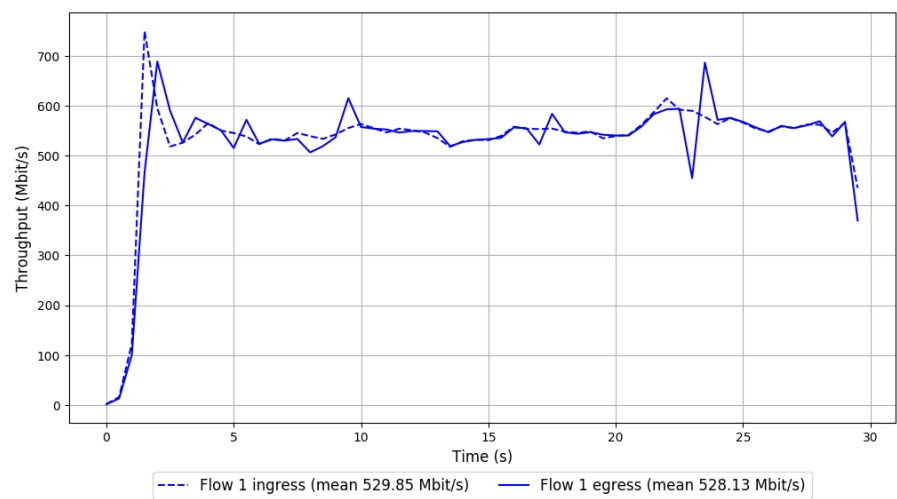
-- Flow 1:

Average throughput: 528.13 Mbit/s

95th percentile per-packet one-way delay: 124.262 ms

Loss rate: 0.68%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 12:55:54

End at: 2018-04-24 12:56:24

Below is generated by plot.py at 2018-04-24 16:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 537.98 Mbit/s

95th percentile per-packet one-way delay: 173.148 ms

Loss rate: 0.82%

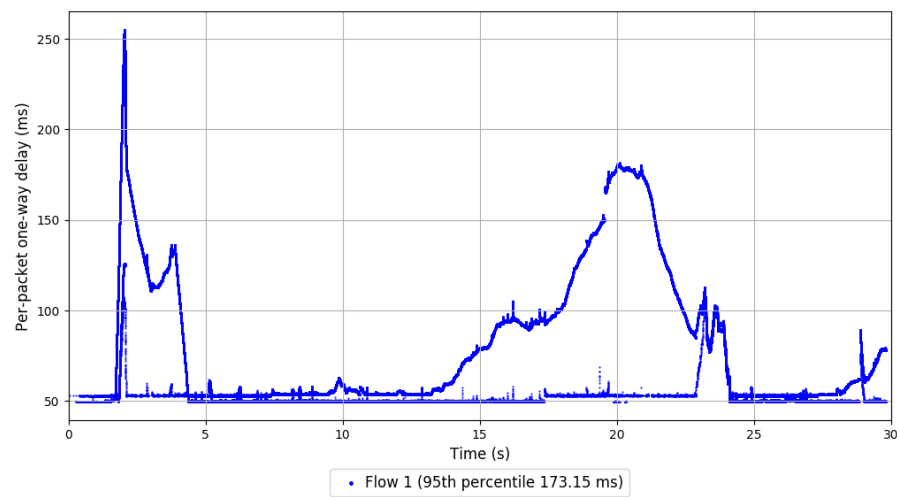
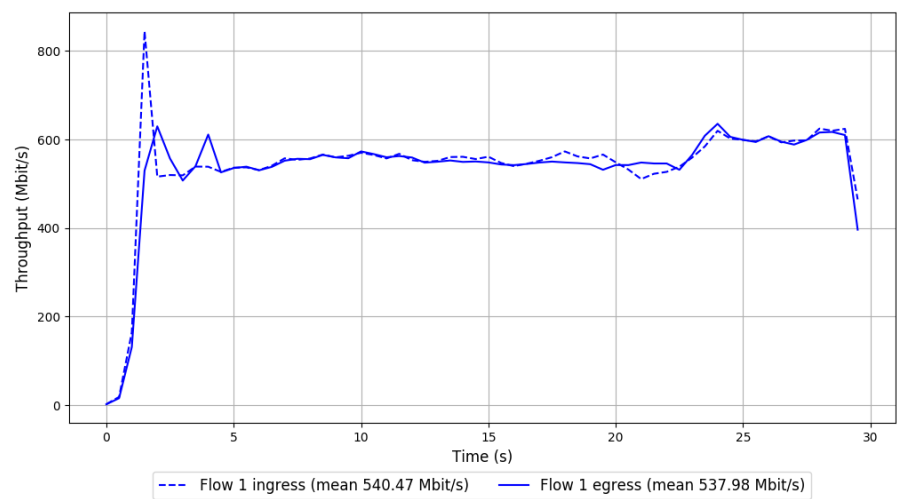
-- Flow 1:

Average throughput: 537.98 Mbit/s

95th percentile per-packet one-way delay: 173.148 ms

Loss rate: 0.82%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 13:08:44

End at: 2018-04-24 13:09:14

Below is generated by plot.py at 2018-04-24 16:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.98 Mbit/s

95th percentile per-packet one-way delay: 86.445 ms

Loss rate: 0.35%

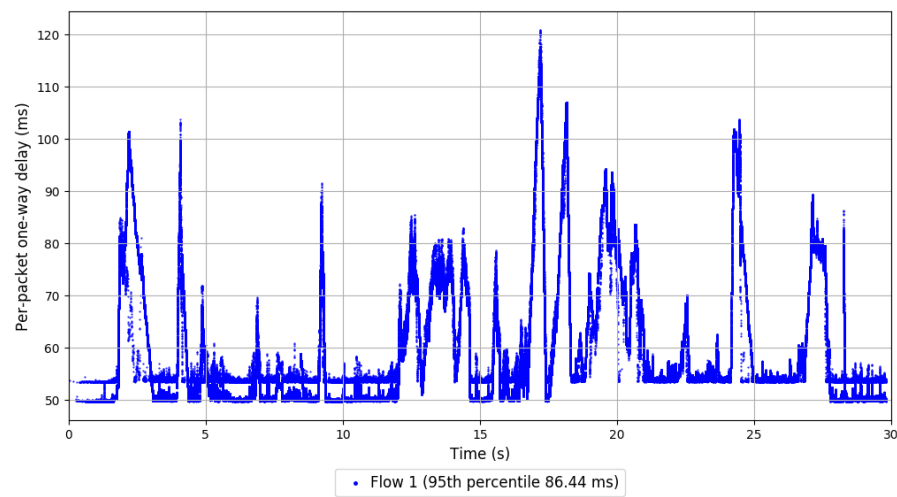
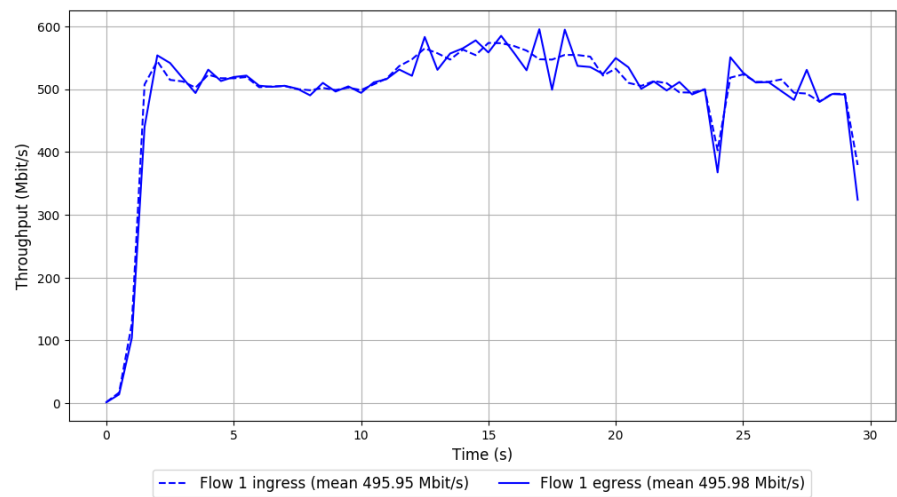
-- Flow 1:

Average throughput: 495.98 Mbit/s

95th percentile per-packet one-way delay: 86.445 ms

Loss rate: 0.35%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 13:21:42

End at: 2018-04-24 13:22:12

Below is generated by plot.py at 2018-04-24 16:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.44 Mbit/s

95th percentile per-packet one-way delay: 54.007 ms

Loss rate: 0.48%

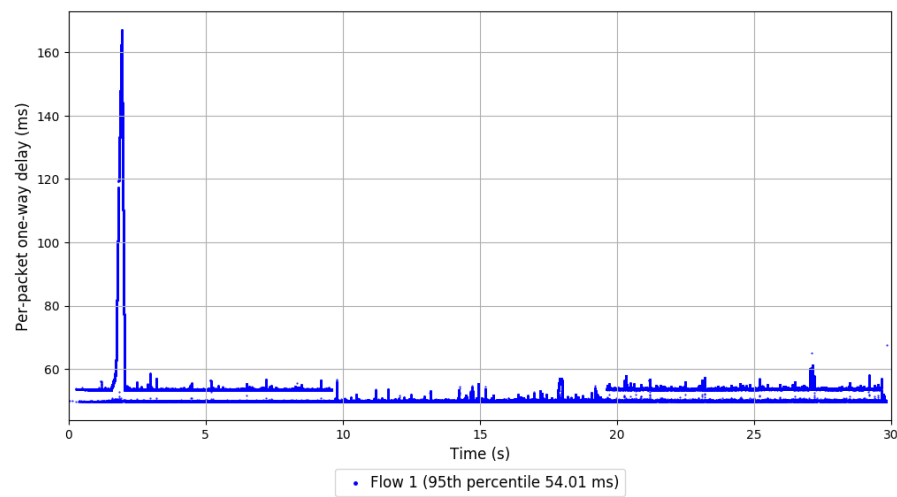
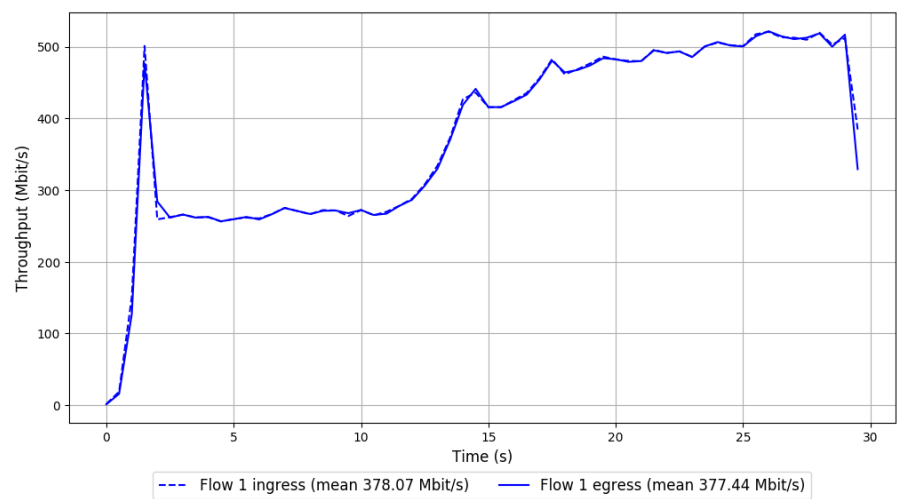
-- Flow 1:

Average throughput: 377.44 Mbit/s

95th percentile per-packet one-way delay: 54.007 ms

Loss rate: 0.48%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 13:34:31

End at: 2018-04-24 13:35:01

Below is generated by plot.py at 2018-04-24 16:39:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.73 Mbit/s

95th percentile per-packet one-way delay: 182.647 ms

Loss rate: 1.75%

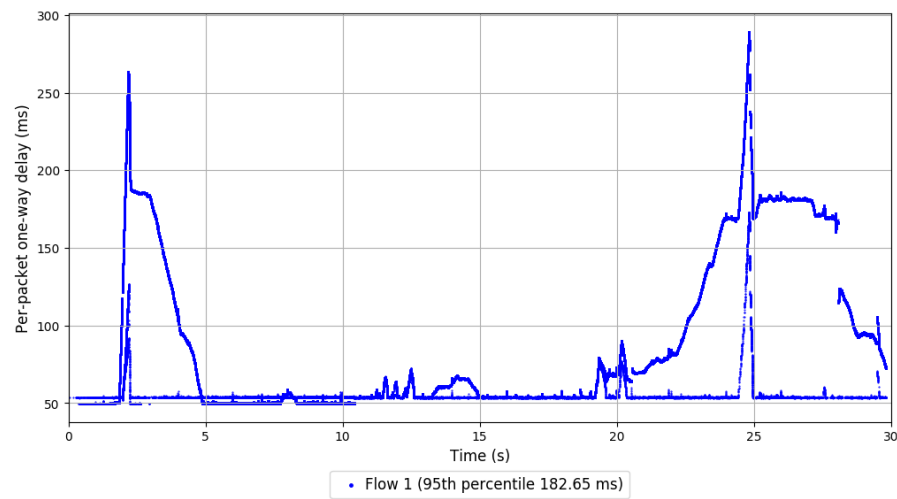
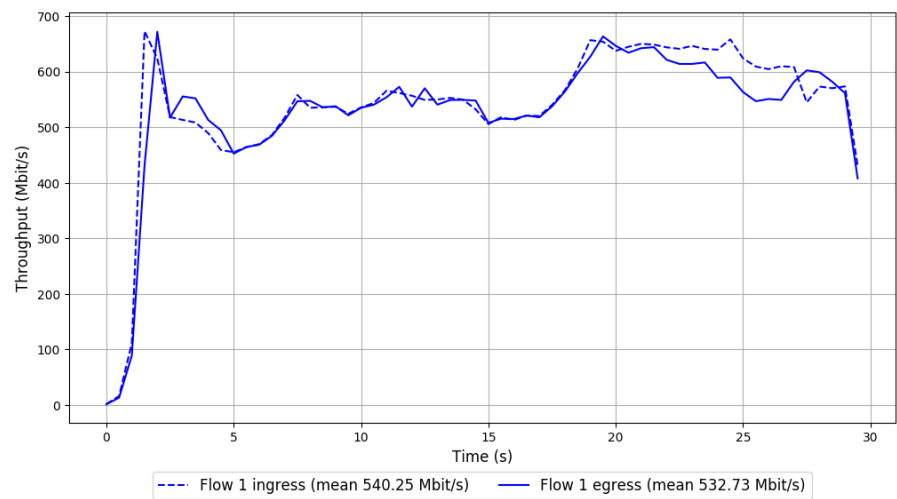
-- Flow 1:

Average throughput: 532.73 Mbit/s

95th percentile per-packet one-way delay: 182.647 ms

Loss rate: 1.75%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 13:47:38

End at: 2018-04-24 13:48:08

Below is generated by plot.py at 2018-04-24 16:39:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.41 Mbit/s

95th percentile per-packet one-way delay: 177.031 ms

Loss rate: 0.65%

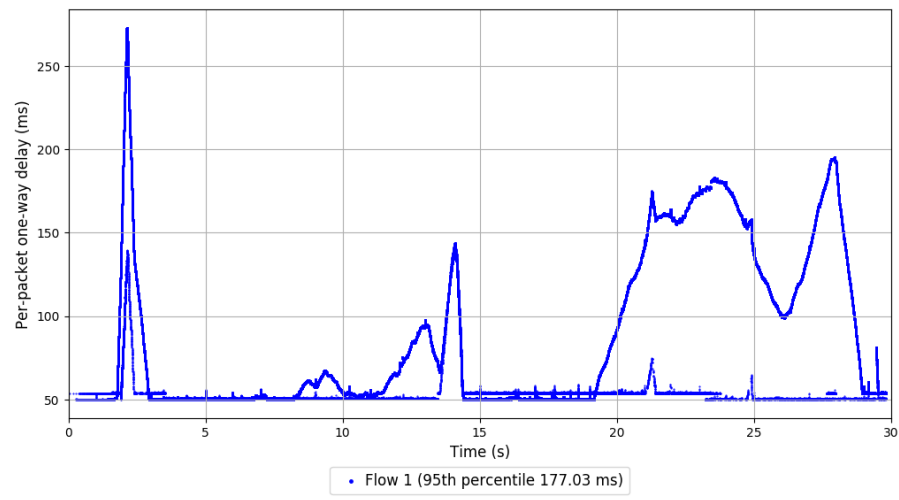
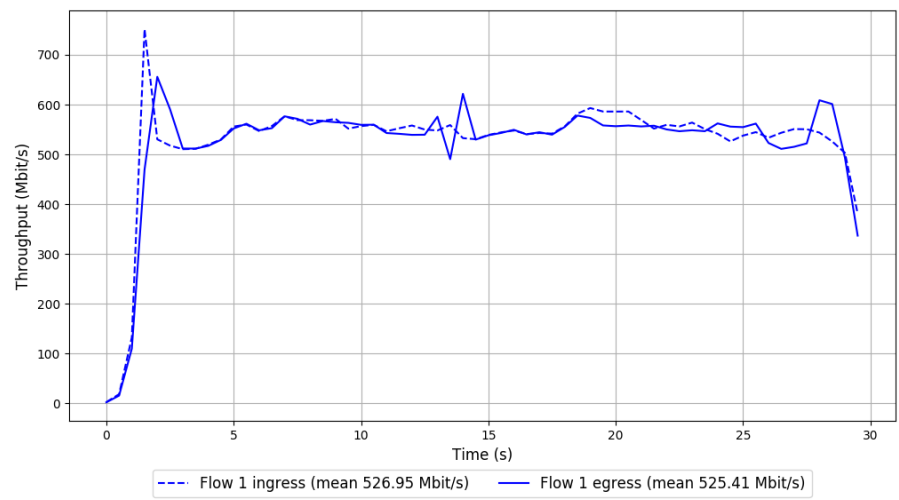
-- Flow 1:

Average throughput: 525.41 Mbit/s

95th percentile per-packet one-way delay: 177.031 ms

Loss rate: 0.65%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 11:52:46

End at: 2018-04-24 11:53:16

Below is generated by plot.py at 2018-04-24 16:39:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 49.996 ms

Loss rate: 0.00%

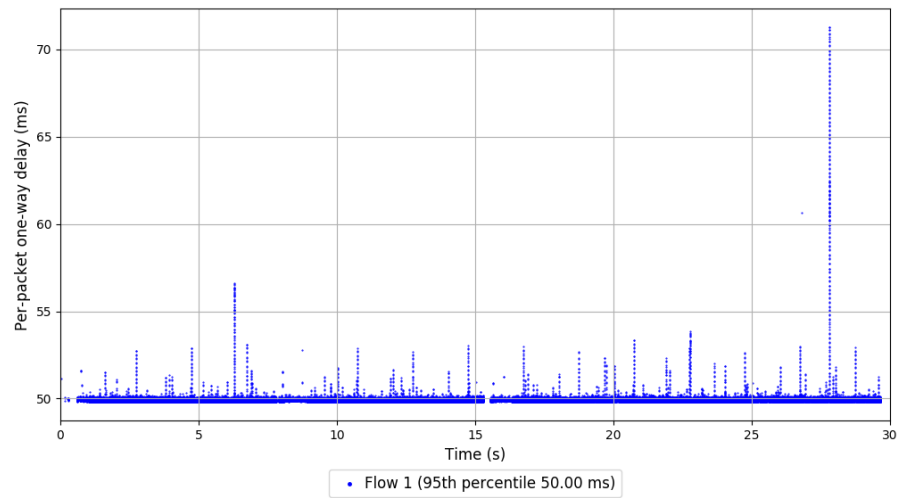
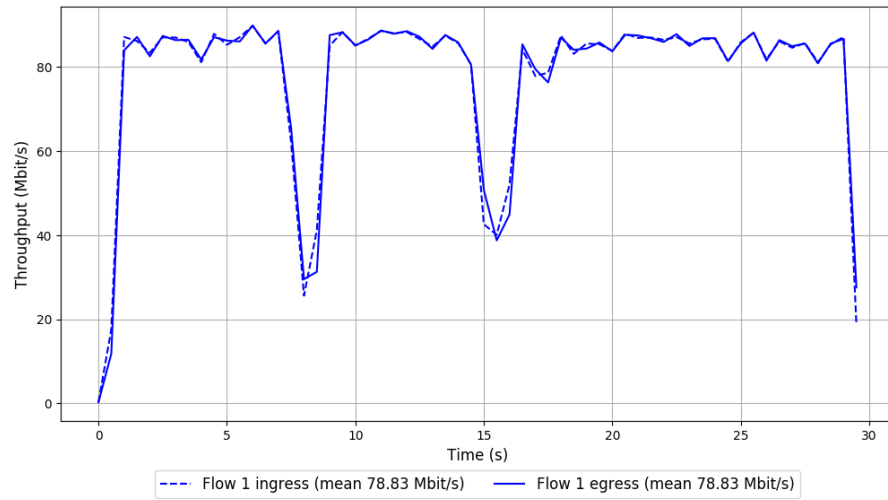
-- Flow 1:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 49.996 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 12:05:57

End at: 2018-04-24 12:06:27

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.89 Mbit/s

95th percentile per-packet one-way delay: 53.793 ms

Loss rate: 0.46%

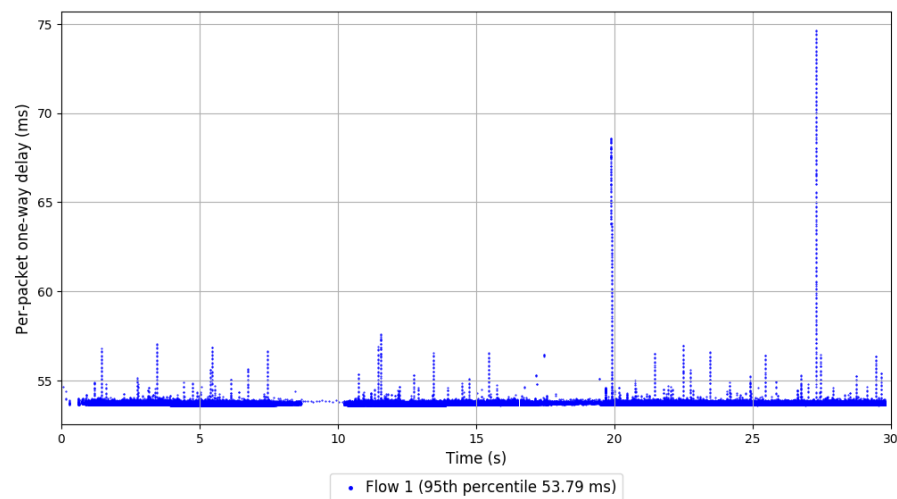
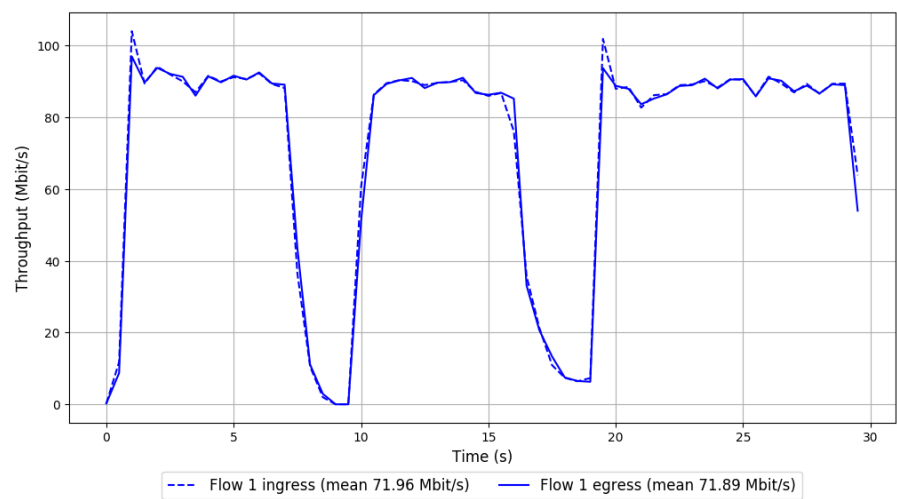
-- Flow 1:

Average throughput: 71.89 Mbit/s

95th percentile per-packet one-way delay: 53.793 ms

Loss rate: 0.46%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 12:19:07

End at: 2018-04-24 12:19:37

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.57 Mbit/s

95th percentile per-packet one-way delay: 50.263 ms

Loss rate: 0.44%

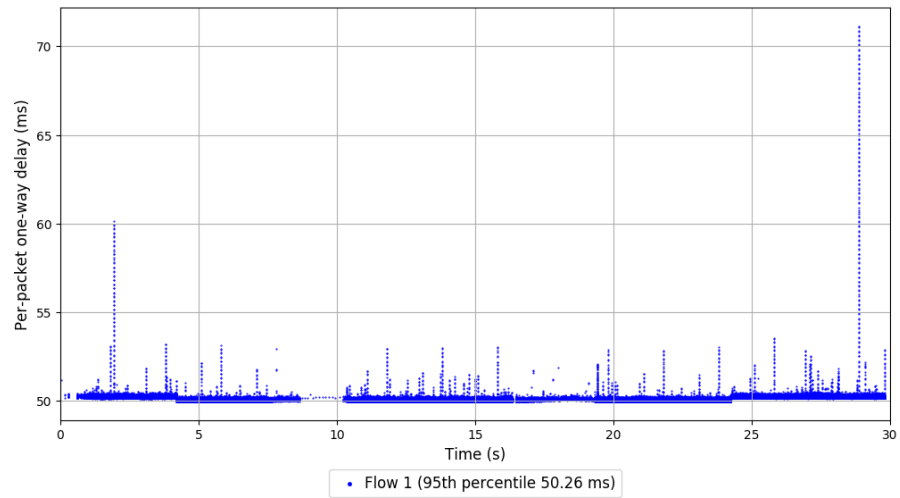
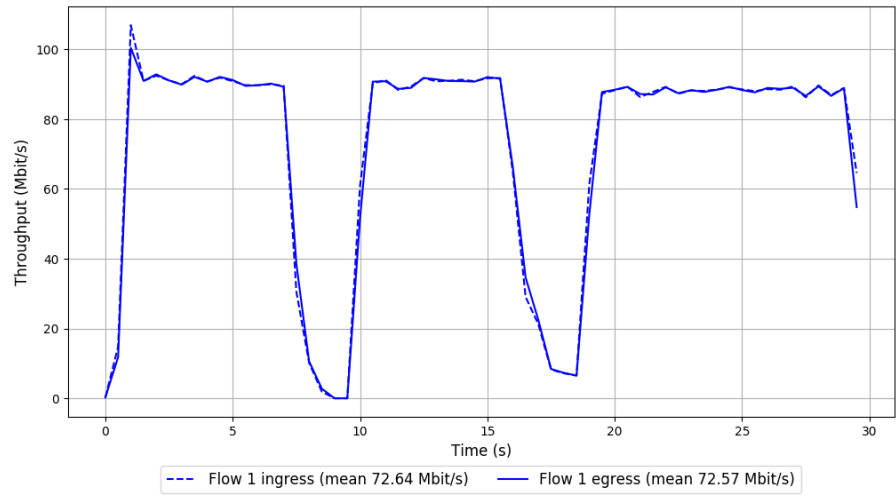
-- Flow 1:

Average throughput: 72.57 Mbit/s

95th percentile per-packet one-way delay: 50.263 ms

Loss rate: 0.44%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 12:32:20

End at: 2018-04-24 12:32:50

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 50.347 ms

Loss rate: 0.47%

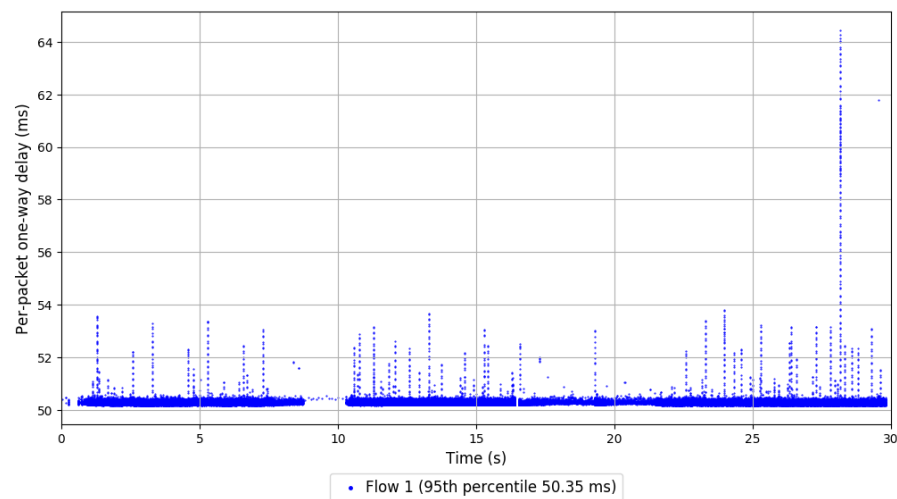
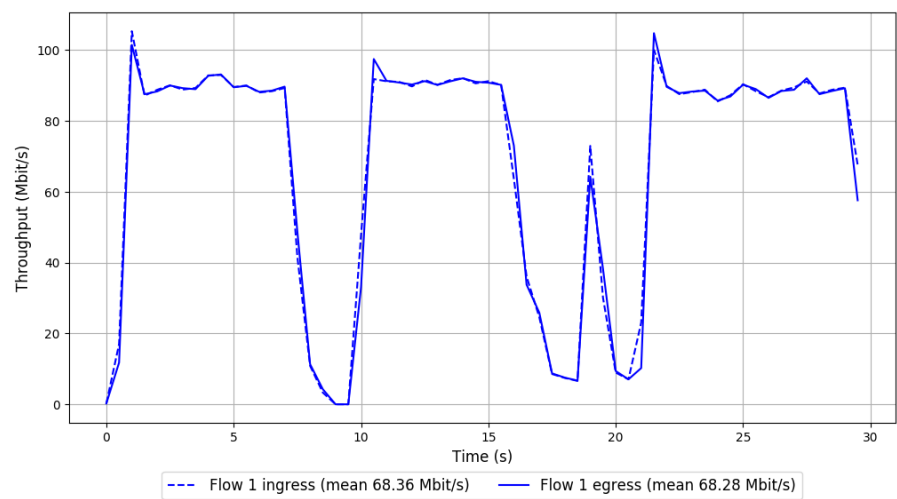
-- Flow 1:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 50.347 ms

Loss rate: 0.47%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 12:45:09

End at: 2018-04-24 12:45:39

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.89 Mbit/s

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

Loss rate: 0.42%

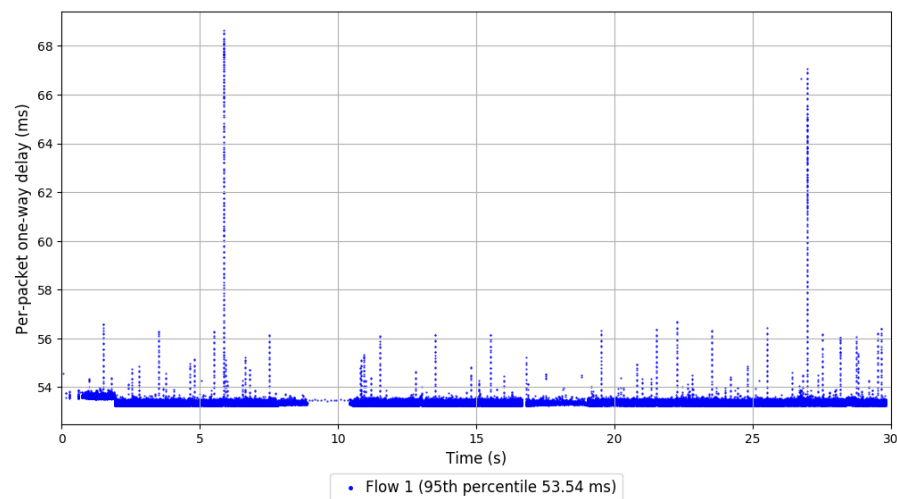
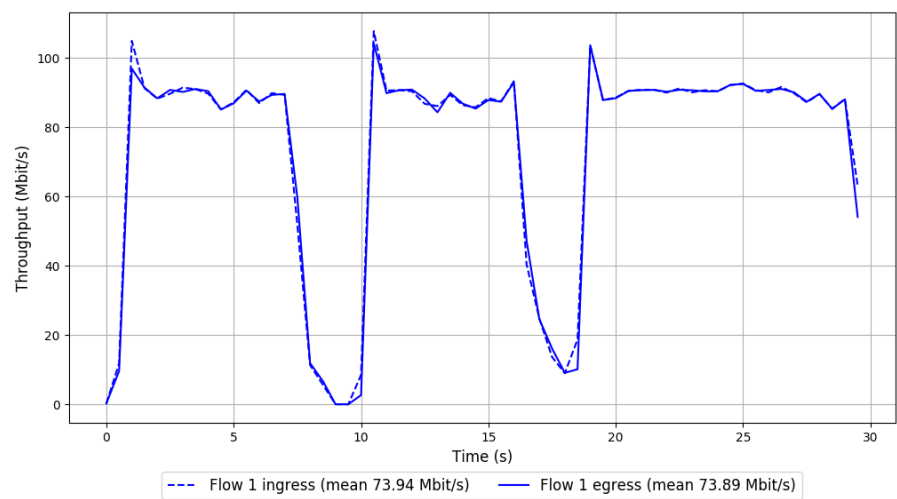
-- Flow 1:

Average throughput: 73.89 Mbit/s

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

Loss rate: 0.42%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 12:58:14

End at: 2018-04-24 12:58:44

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.71 Mbit/s

95th percentile per-packet one-way delay: 49.999 ms

Loss rate: 0.47%

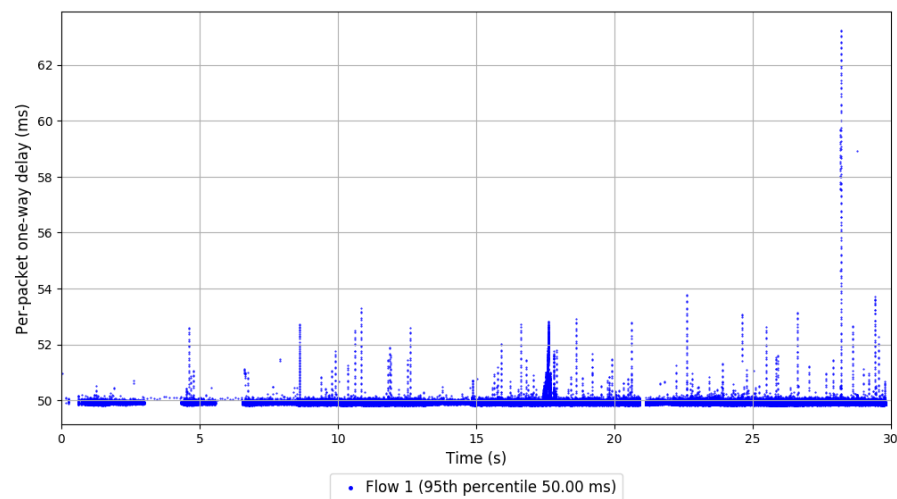
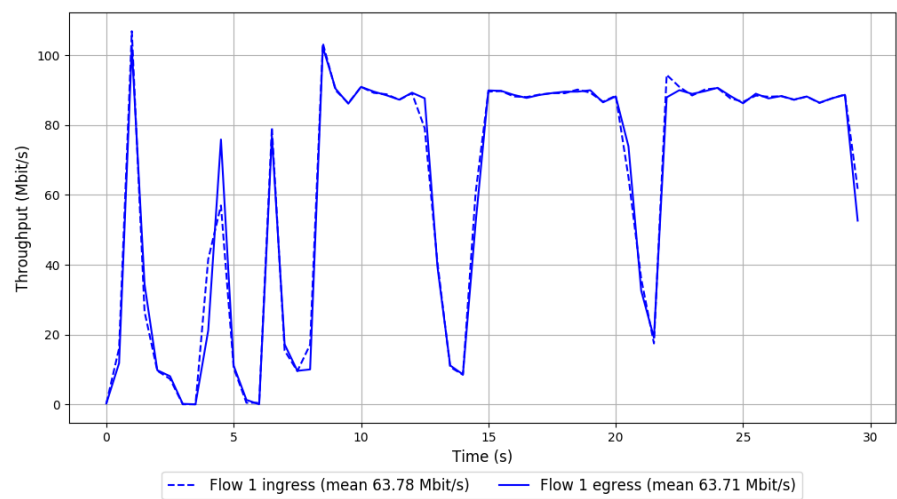
-- Flow 1:

Average throughput: 63.71 Mbit/s

95th percentile per-packet one-way delay: 49.999 ms

Loss rate: 0.47%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 13:11:07

End at: 2018-04-24 13:11:37

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.26 Mbit/s

95th percentile per-packet one-way delay: 53.687 ms

Loss rate: 0.53%

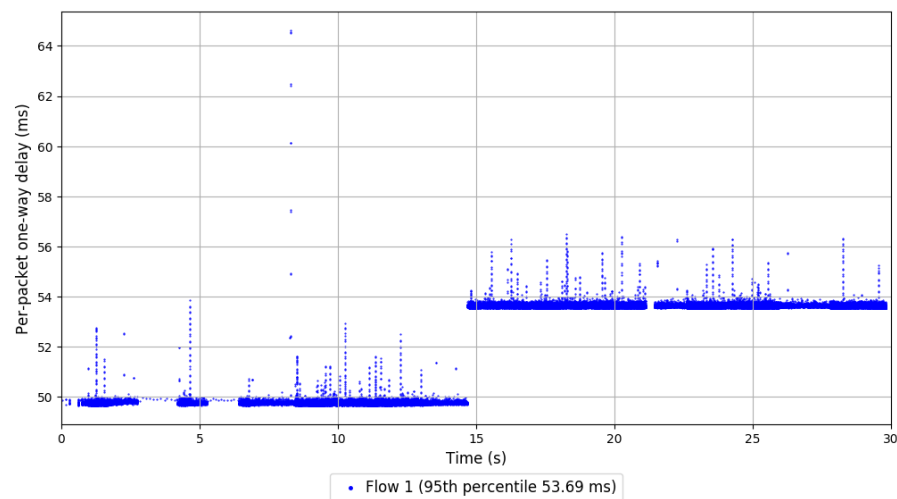
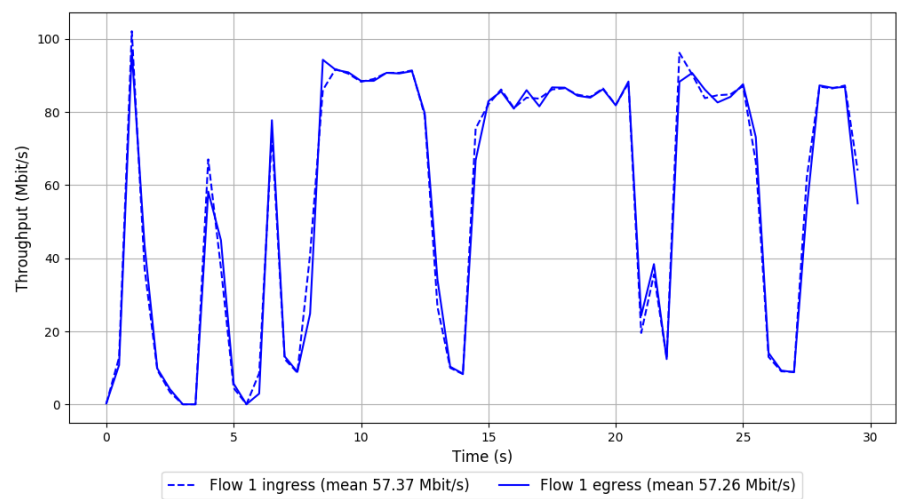
-- Flow 1:

Average throughput: 57.26 Mbit/s

95th percentile per-packet one-way delay: 53.687 ms

Loss rate: 0.53%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 13:24:03

End at: 2018-04-24 13:24:33

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.40 Mbit/s

95th percentile per-packet one-way delay: 53.514 ms

Loss rate: 0.42%

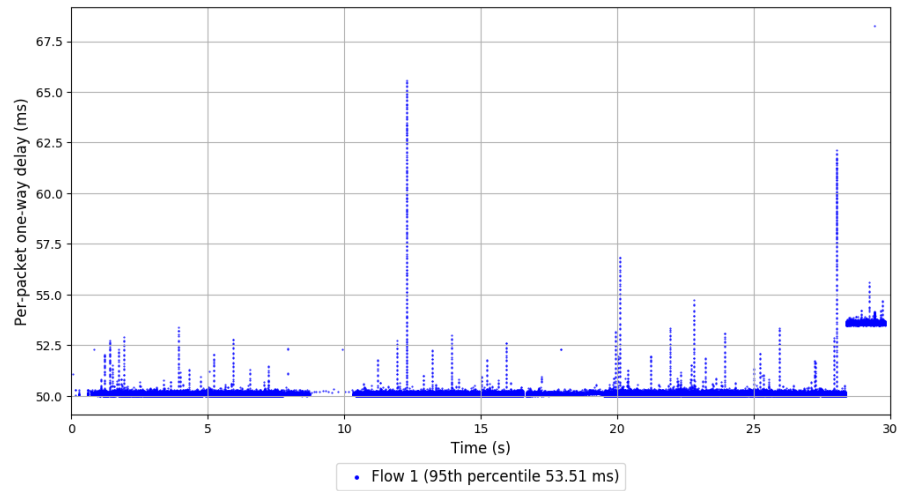
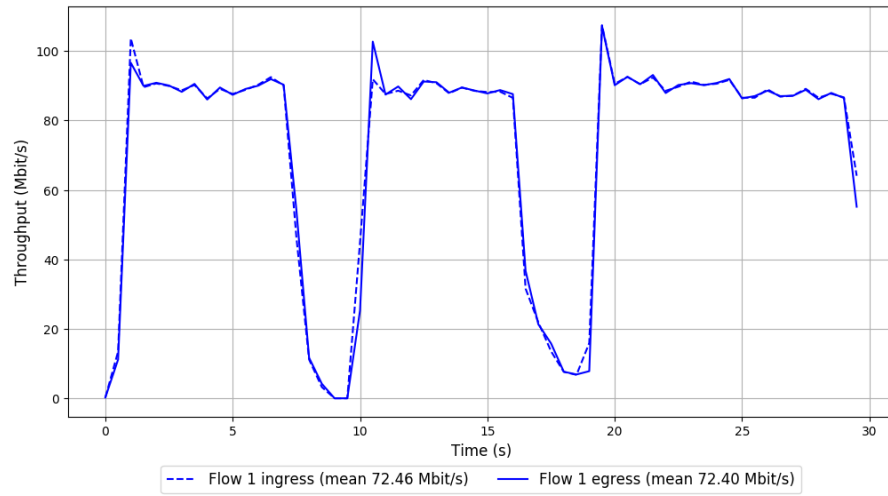
-- Flow 1:

Average throughput: 72.40 Mbit/s

95th percentile per-packet one-way delay: 53.514 ms

Loss rate: 0.42%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 13:37:09

End at: 2018-04-24 13:37:39

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 53.592 ms

Loss rate: 0.46%

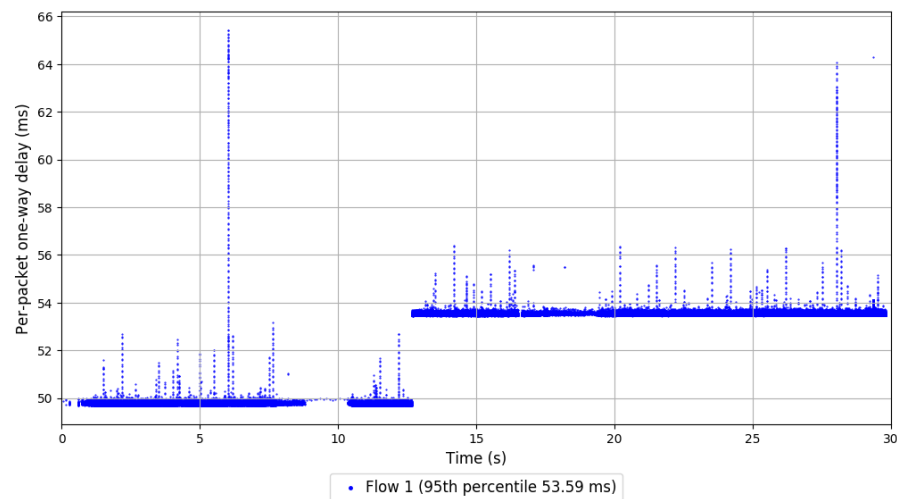
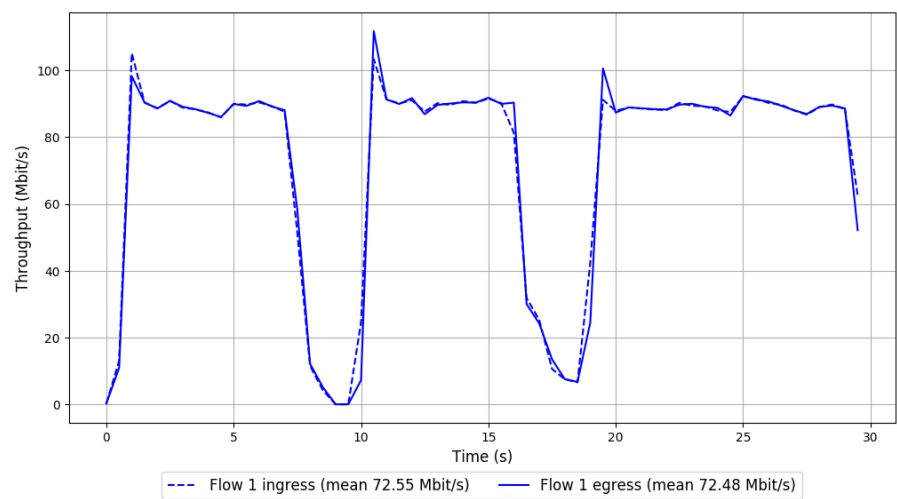
-- Flow 1:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 53.592 ms

Loss rate: 0.46%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 13:50:09

End at: 2018-04-24 13:50:39

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 53.598 ms

Loss rate: 0.49%

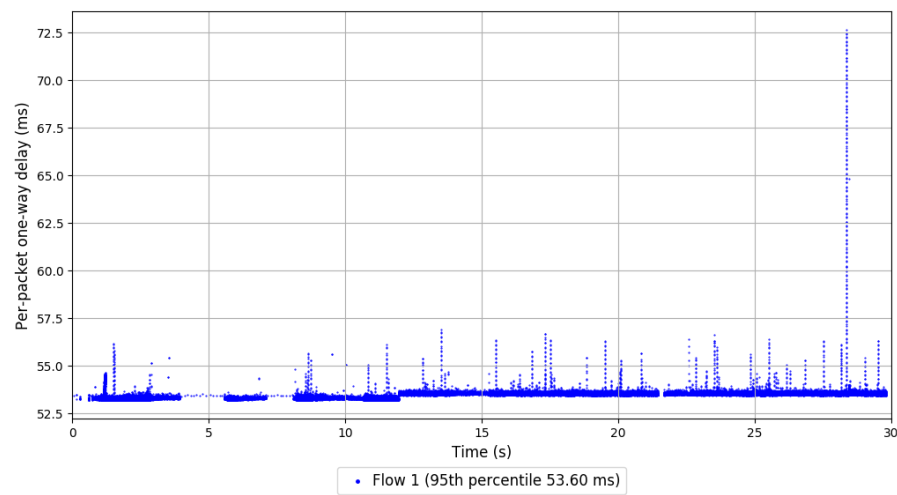
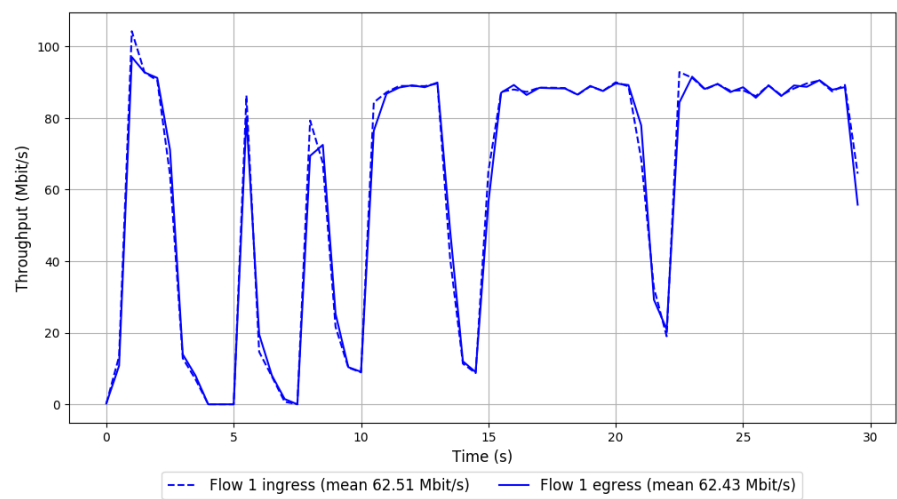
-- Flow 1:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 53.598 ms

Loss rate: 0.49%

Run 10: Report of QUIC Cubic — Data Link

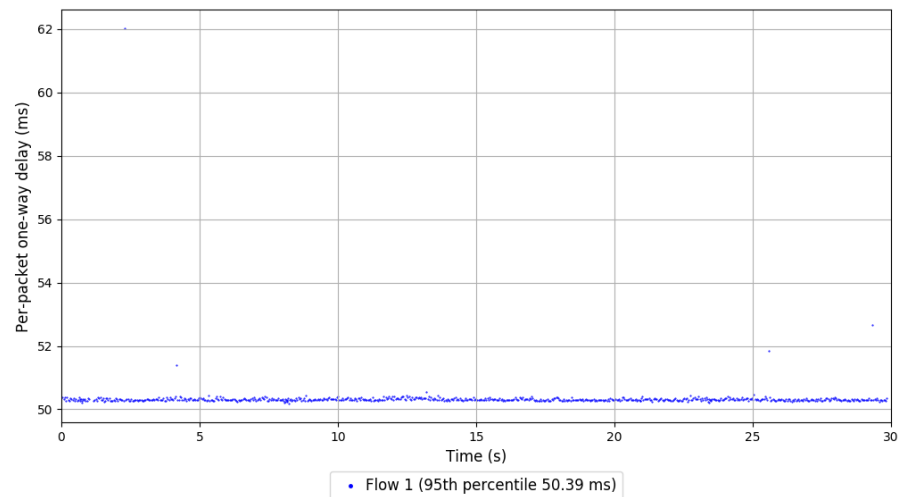
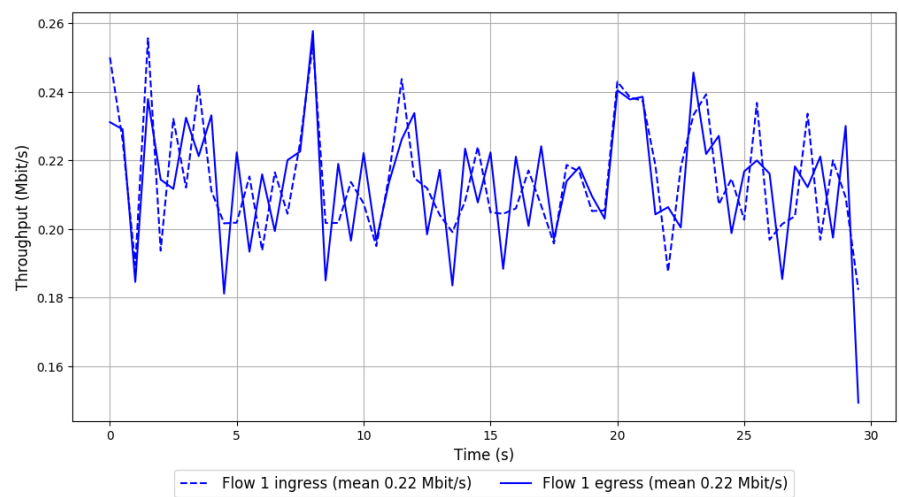


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 11:57:15
End at: 2018-04-24 11:57:45

# Below is generated by plot.py at 2018-04-24 16:39:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.391 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.391 ms
Loss rate: 0.38%
```

Run 1: Report of SReAM — Data Link

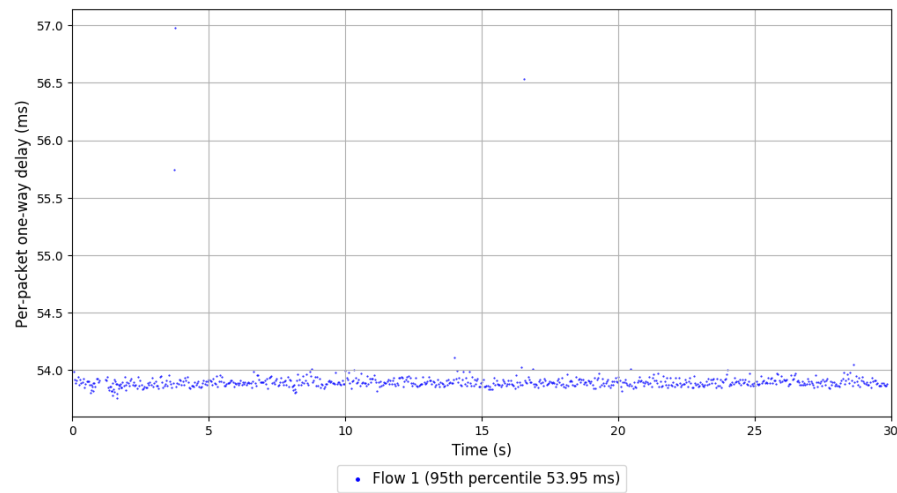
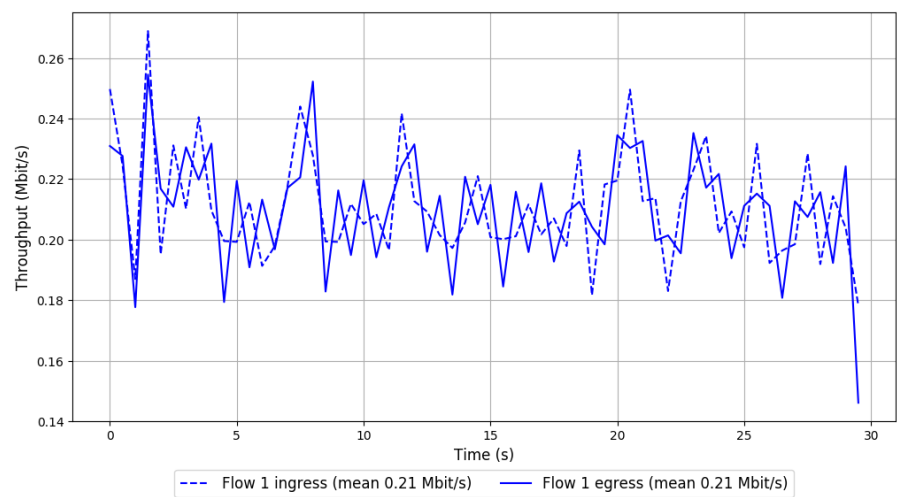


```
Run 2: Statistics of SCReAM

Start at: 2018-04-24 12:10:28
End at: 2018-04-24 12:10:58

# Below is generated by plot.py at 2018-04-24 16:39:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.954 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.954 ms
Loss rate: 0.38%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-24 12:23:38

End at: 2018-04-24 12:24:08

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.595 ms

Loss rate: 0.38%

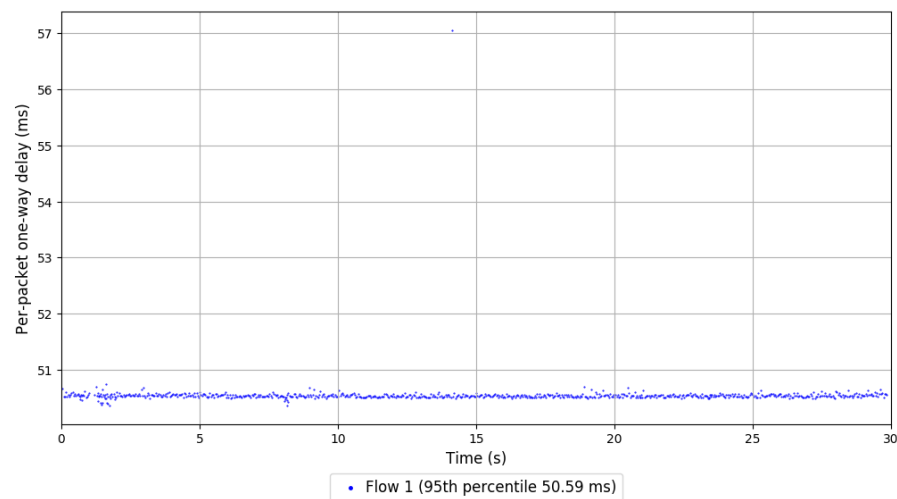
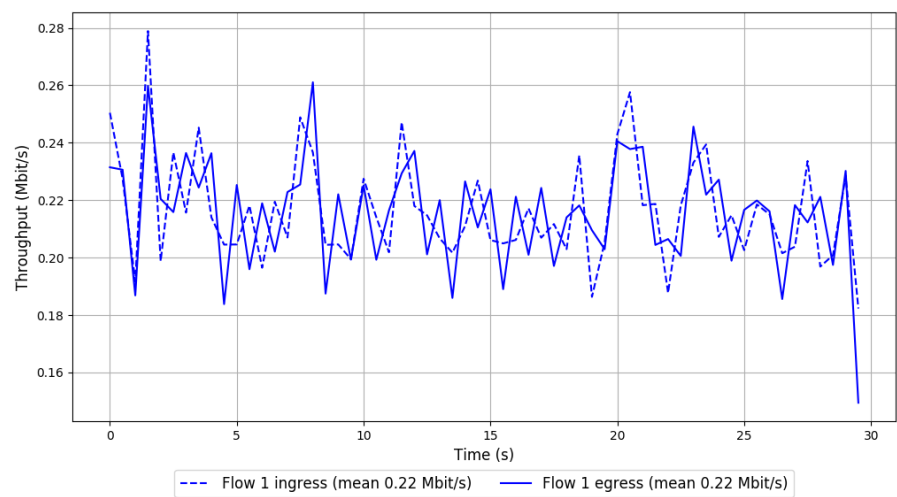
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.595 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-24 12:36:52

End at: 2018-04-24 12:37:22

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.745 ms

Loss rate: 0.38%

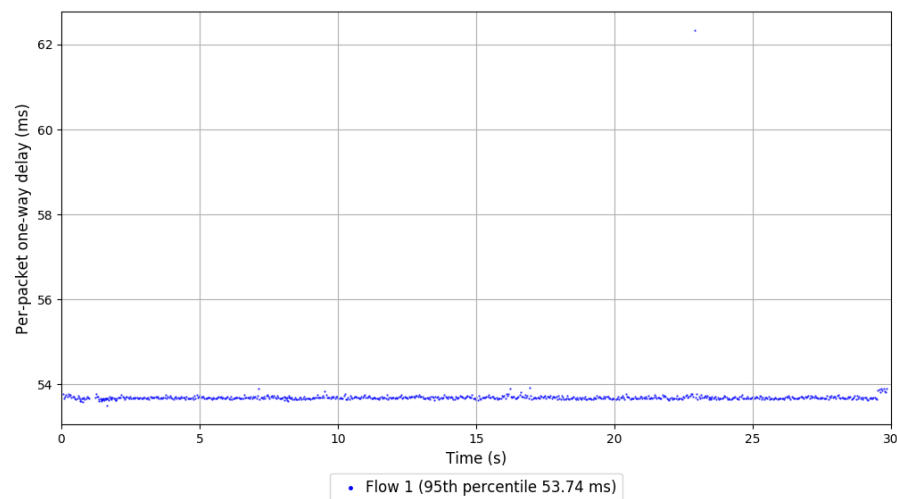
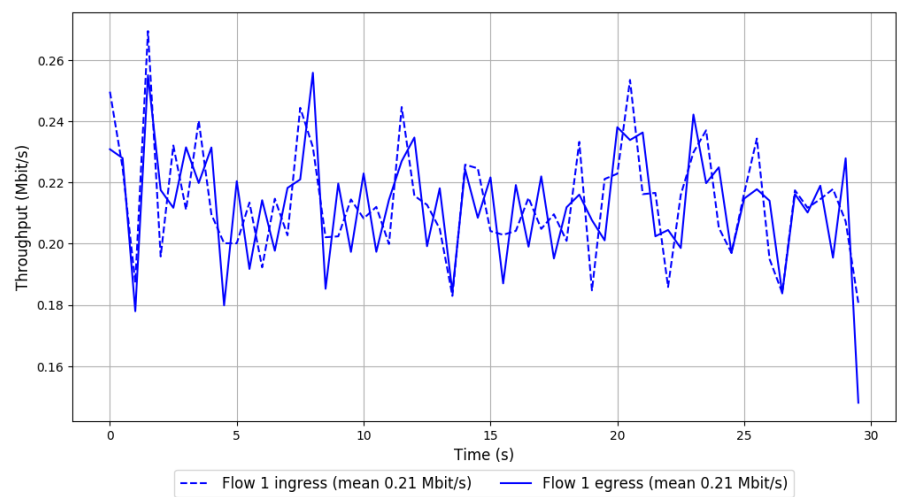
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.745 ms

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 12:49:40

End at: 2018-04-24 12:50:10

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.38%

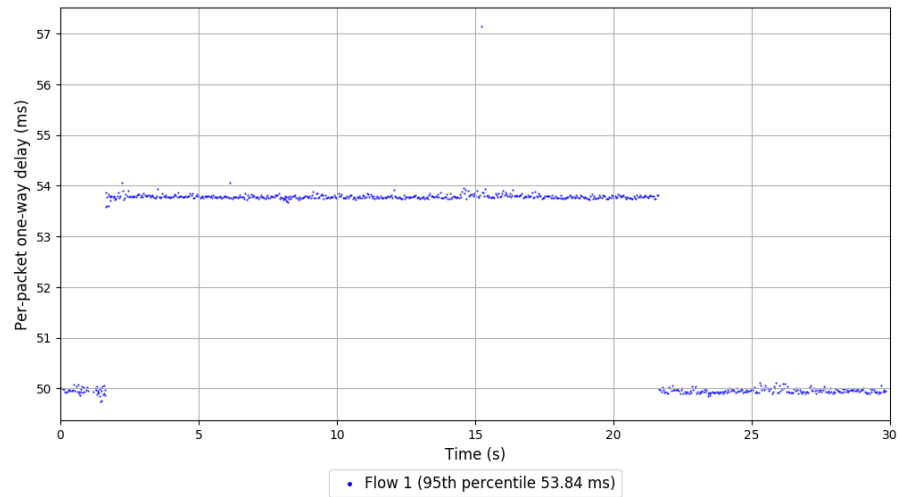
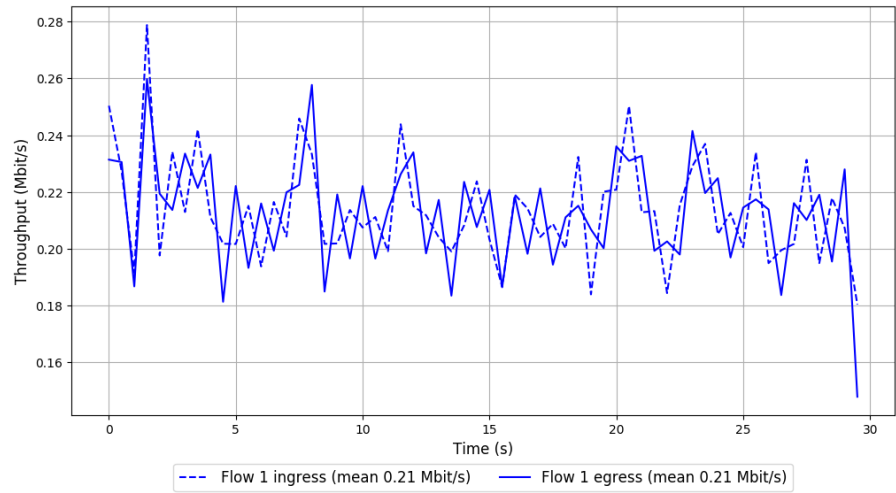
-- Flow 1:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 13:02:43

End at: 2018-04-24 13:03:13

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.140 ms

Loss rate: 0.38%

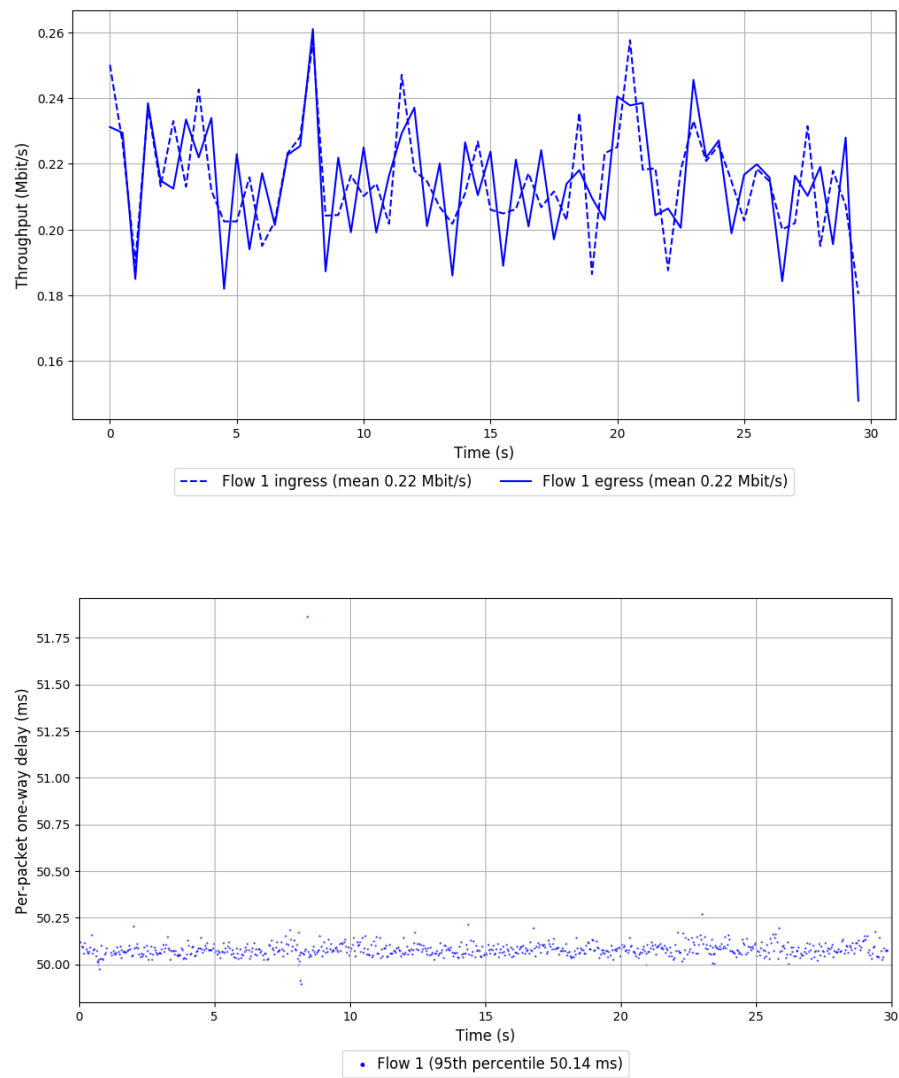
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.140 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-24 13:15:32

End at: 2018-04-24 13:16:02

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 49.957 ms

Loss rate: 0.38%

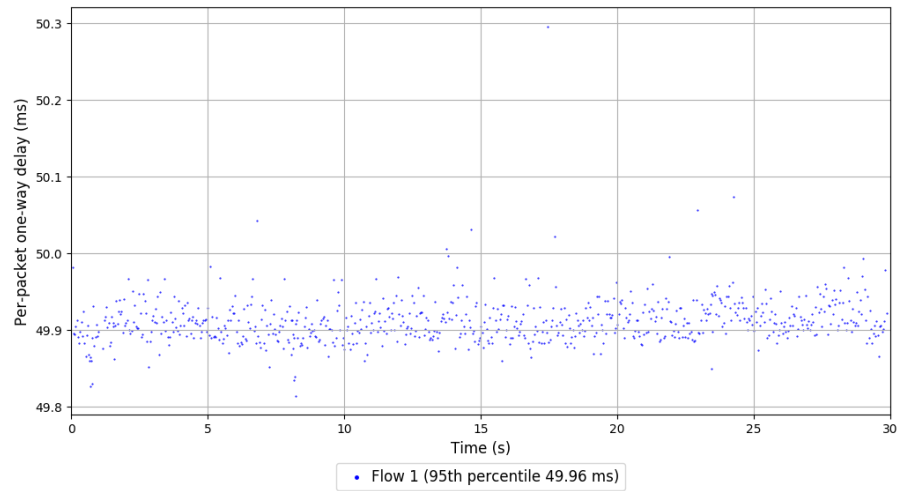
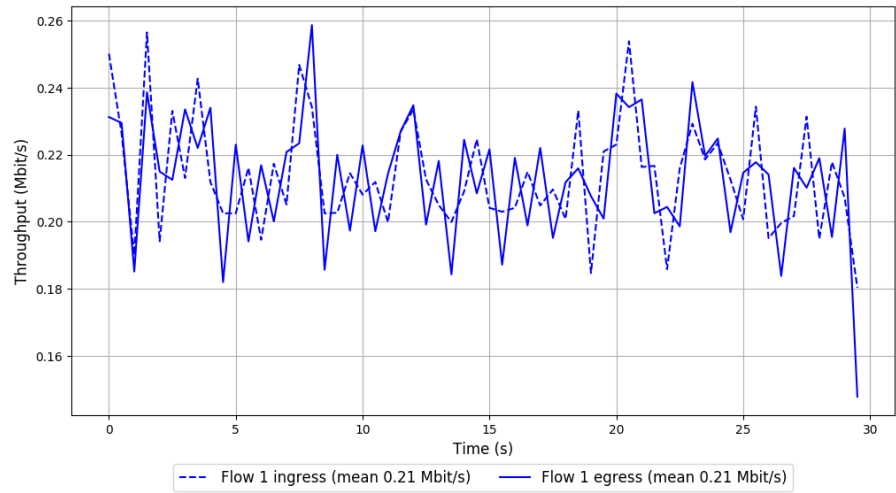
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 49.957 ms

Loss rate: 0.38%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 13:28:34

End at: 2018-04-24 13:29:04

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.812 ms

Loss rate: 0.38%

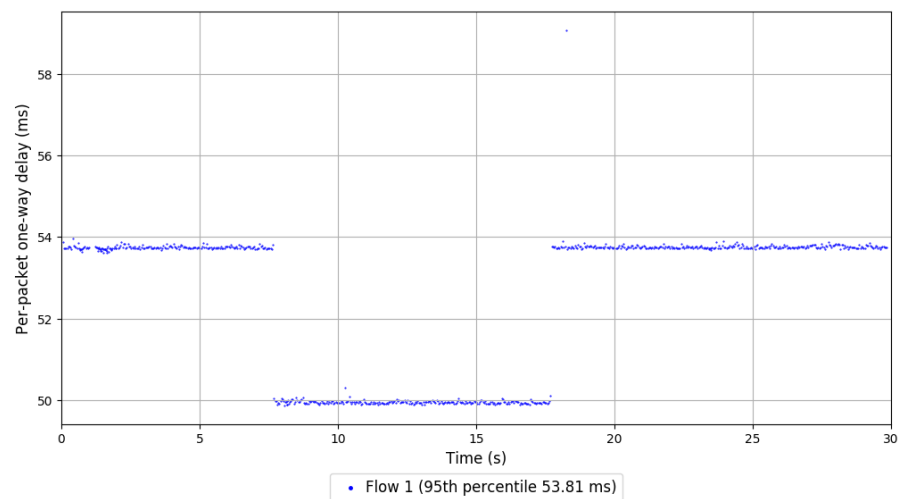
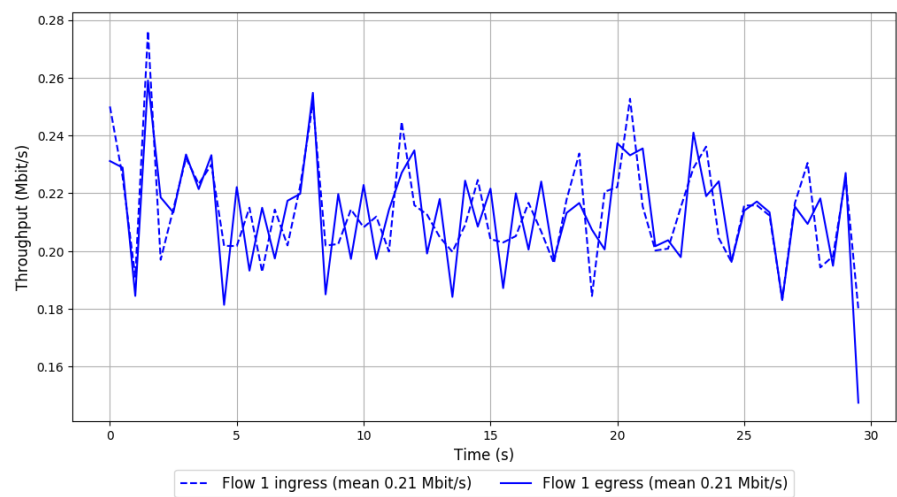
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.812 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 13:41:38

End at: 2018-04-24 13:42:08

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.364 ms

Loss rate: 0.38%

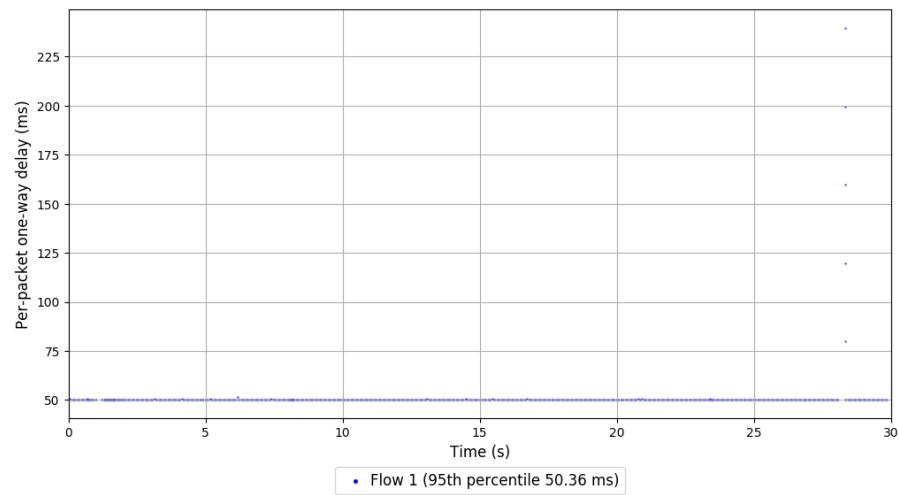
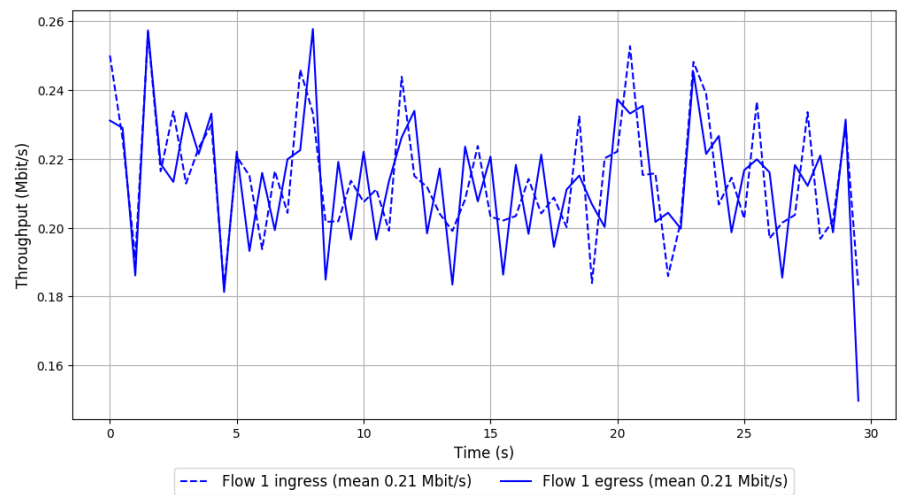
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.364 ms

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-24 13:54:38

End at: 2018-04-24 13:55:08

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.632 ms

Loss rate: 0.38%

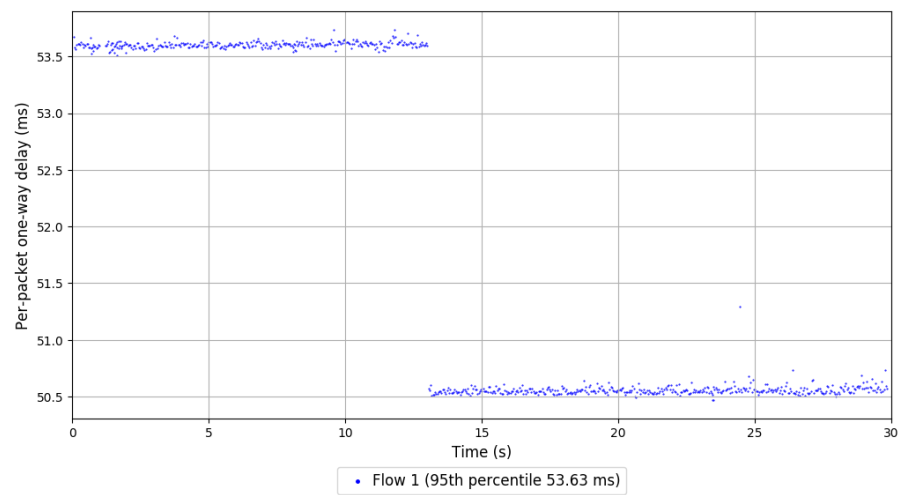
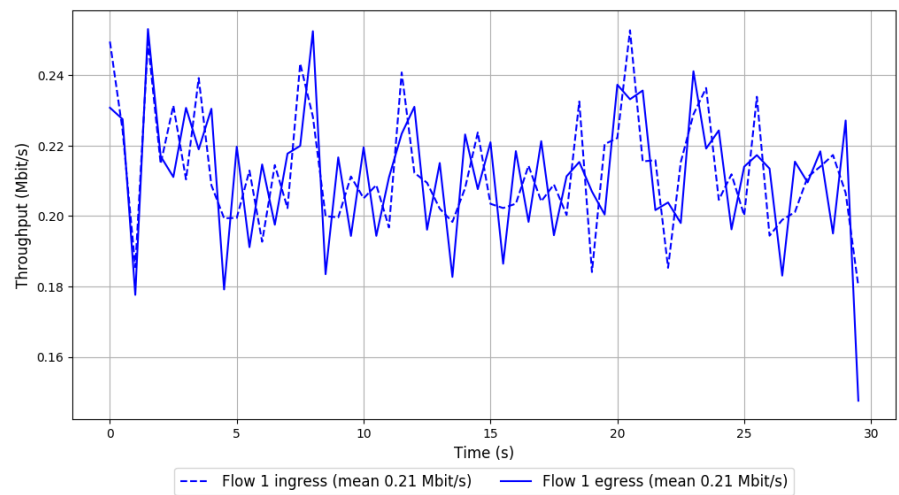
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.632 ms

Loss rate: 0.38%

Run 10: Report of SReAM — Data Link

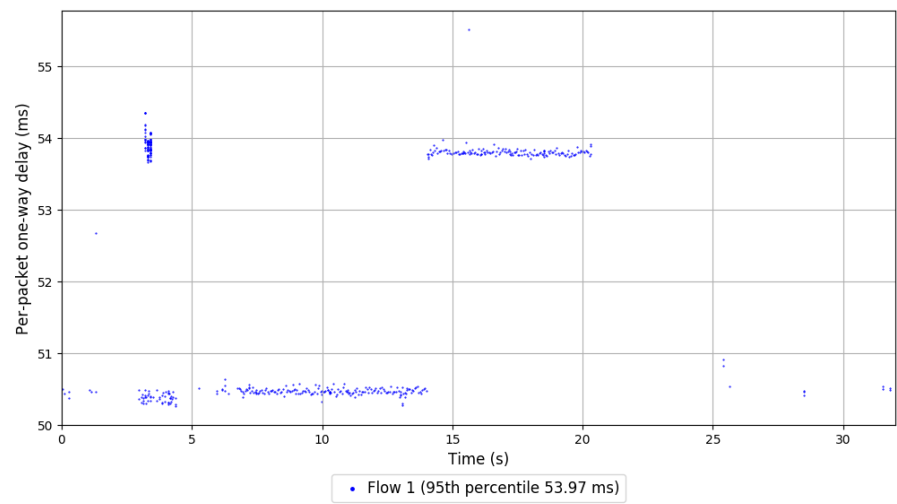
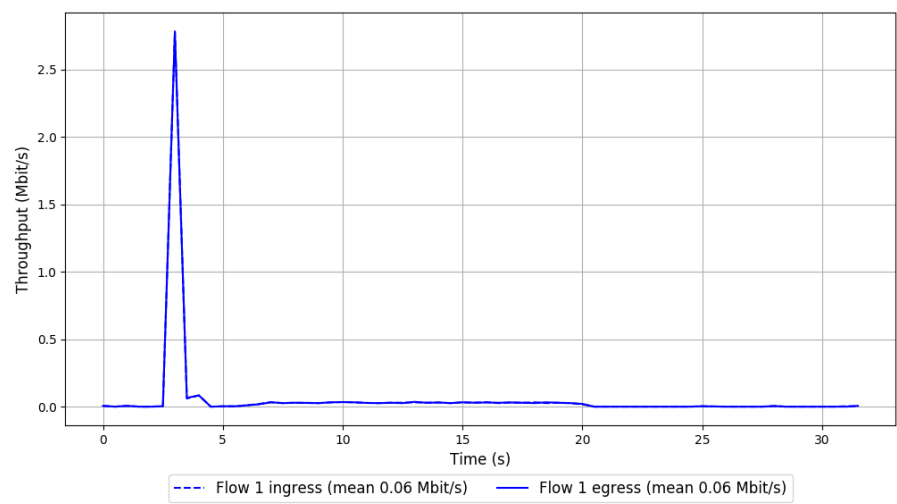


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 11:55:50
End at: 2018-04-24 11:56:20

# Below is generated by plot.py at 2018-04-24 16:39:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 53.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 53.967 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-24 12:09:02

End at: 2018-04-24 12:09:32

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 54.051 ms

Loss rate: 0.00%

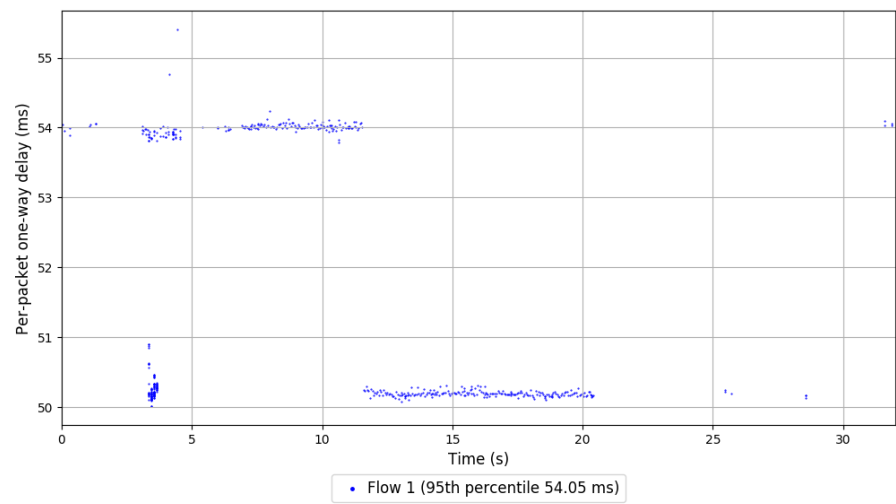
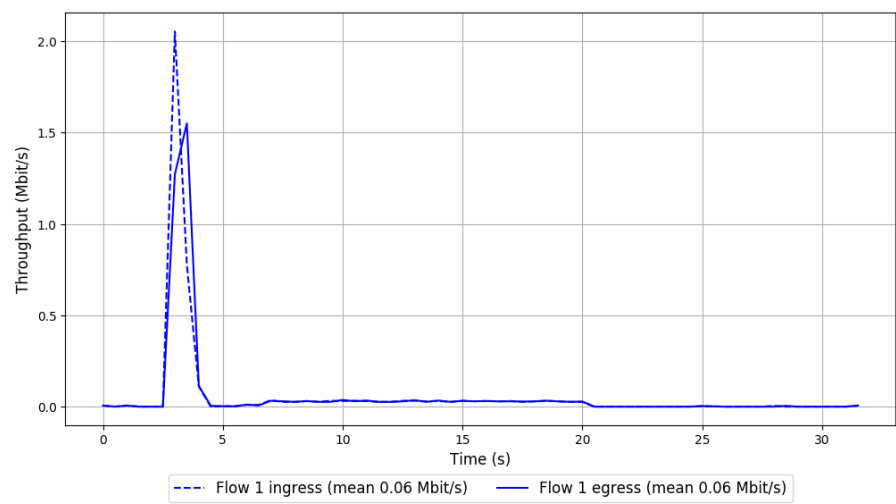
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 54.051 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-24 12:22:13

End at: 2018-04-24 12:22:43

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.753 ms

Loss rate: 0.00%

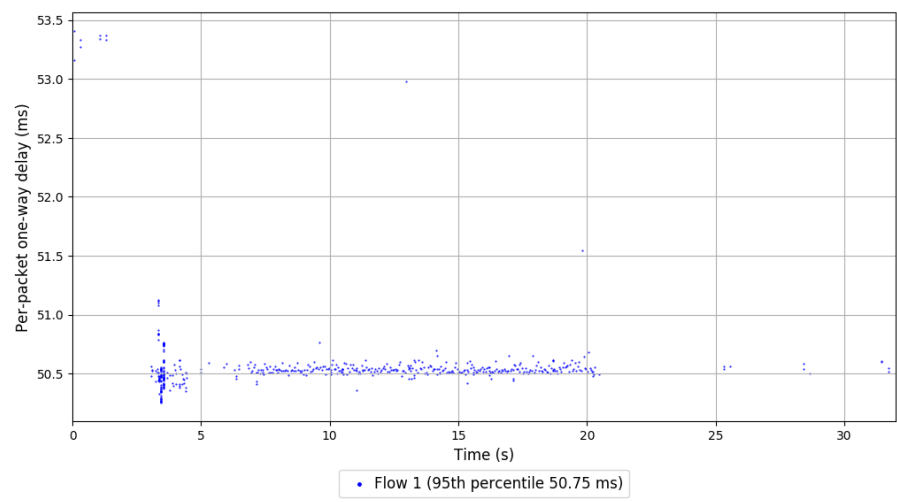
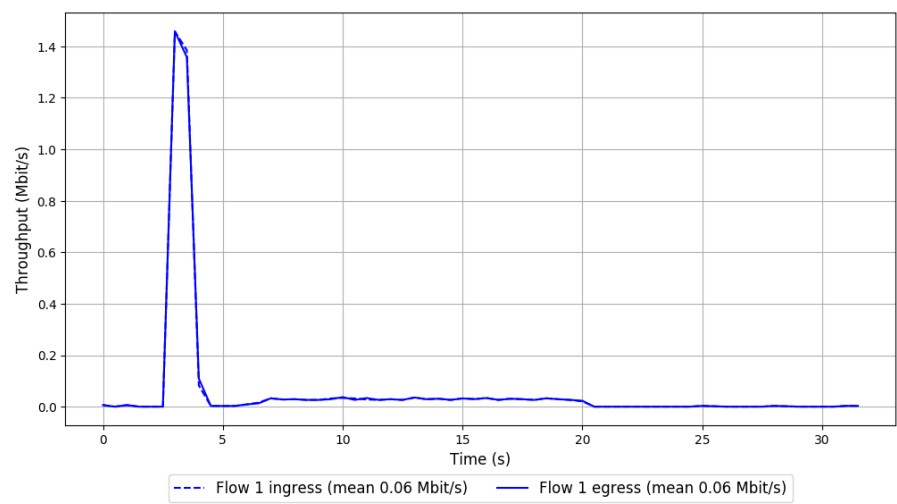
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.753 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-24 12:35:25

End at: 2018-04-24 12:35:55

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.125 ms

Loss rate: 0.00%

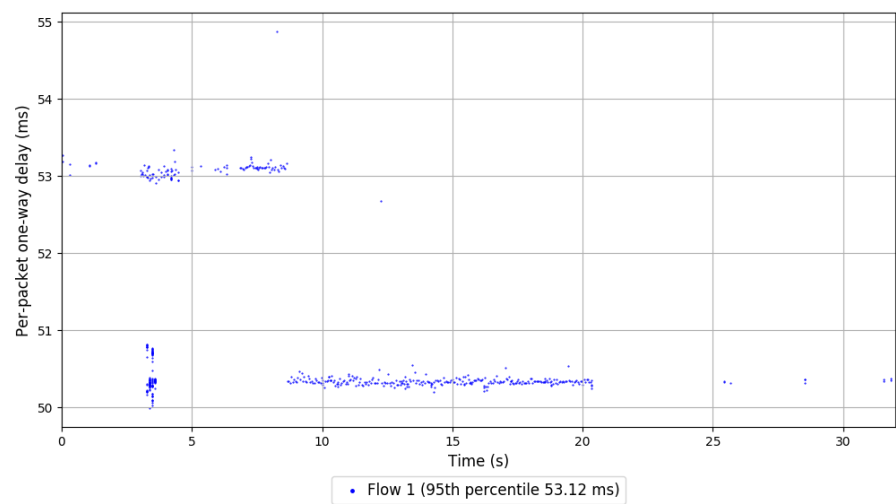
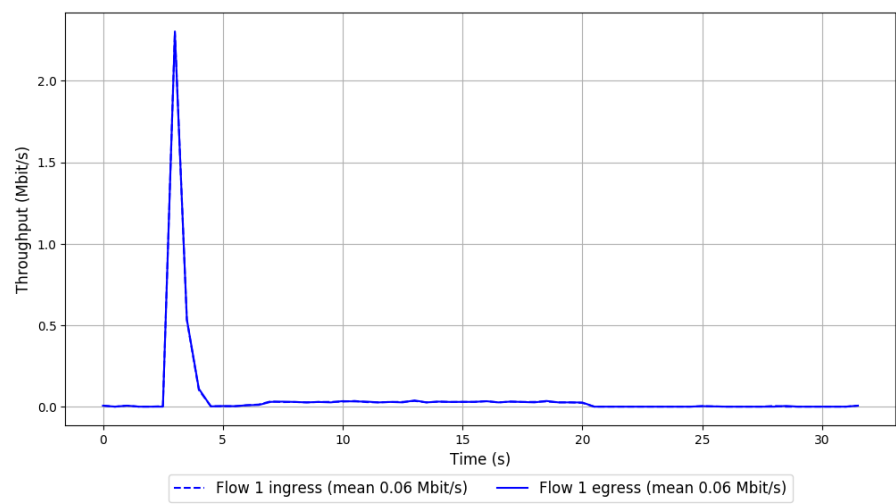
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.125 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-24 12:48:13

End at: 2018-04-24 12:48:43

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.648 ms

Loss rate: 0.00%

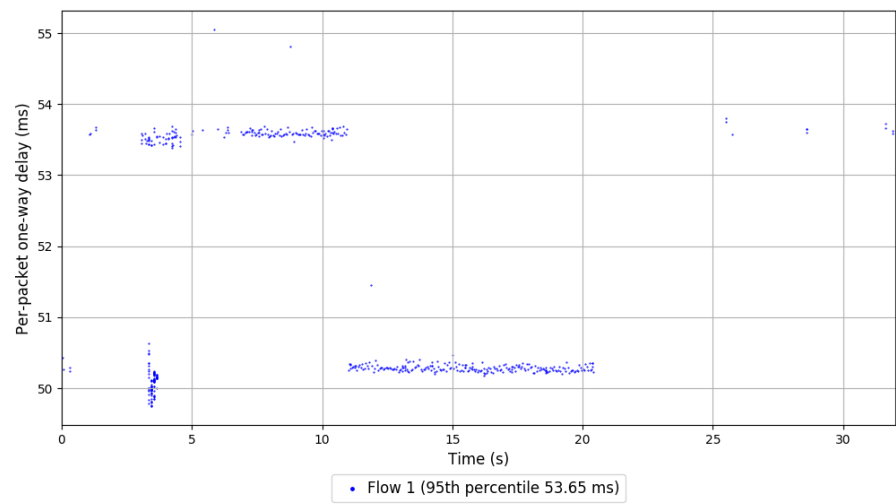
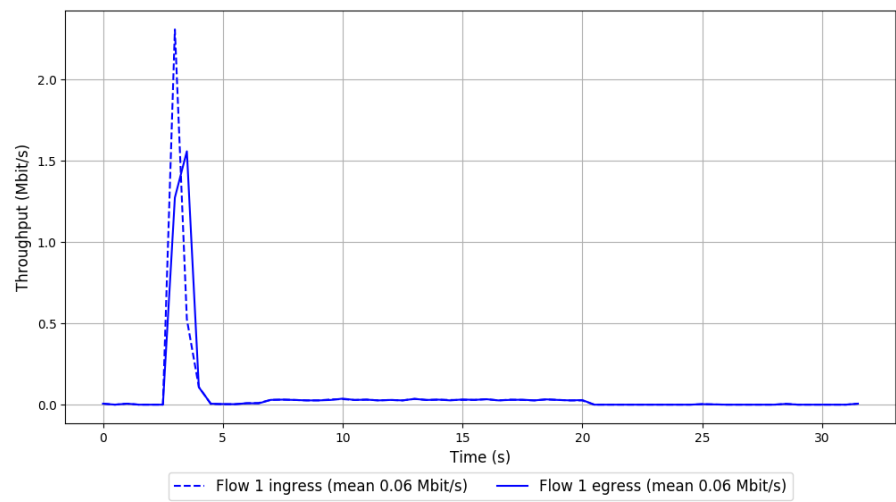
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.648 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 13:01:16

End at: 2018-04-24 13:01:46

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.691 ms

Loss rate: 0.00%

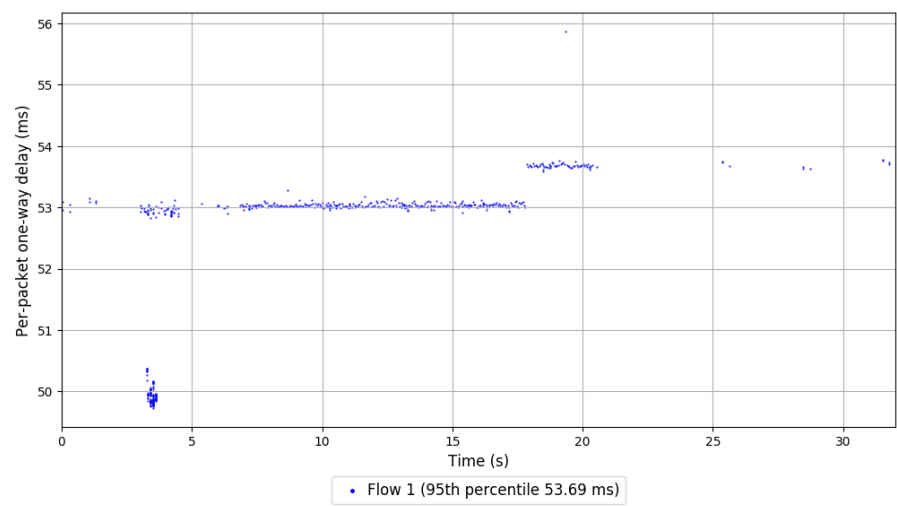
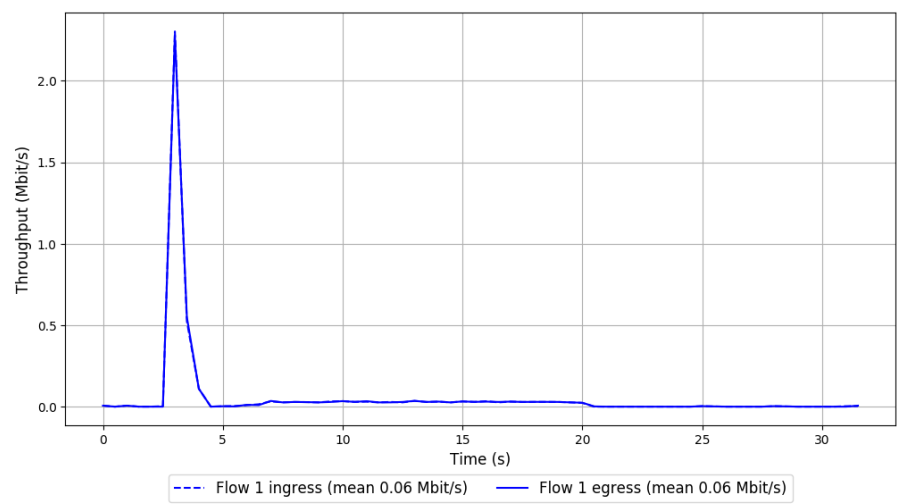
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.691 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-24 13:14:05

End at: 2018-04-24 13:14:35

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.168 ms

Loss rate: 0.00%

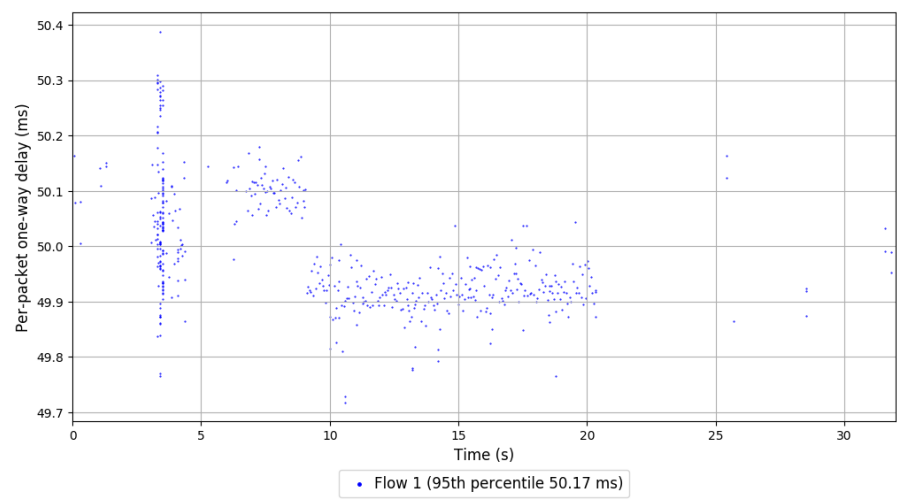
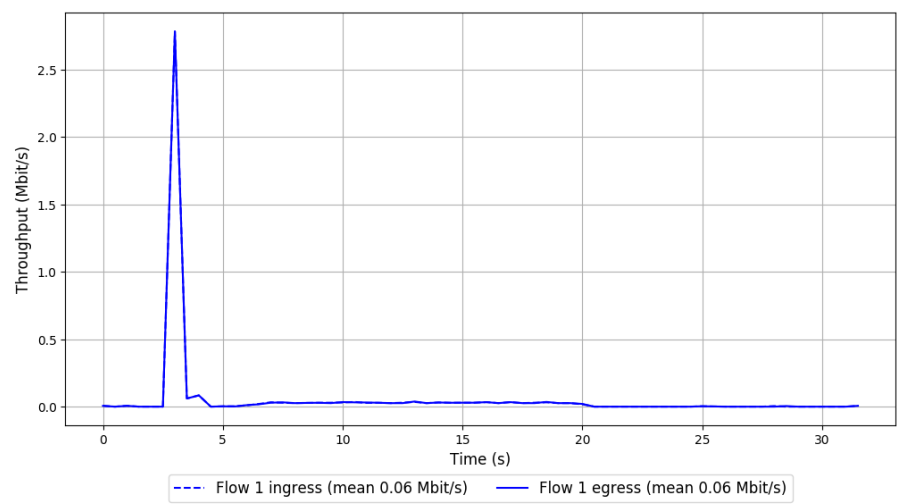
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.168 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 13:27:08

End at: 2018-04-24 13:27:38

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.808 ms

Loss rate: 0.00%

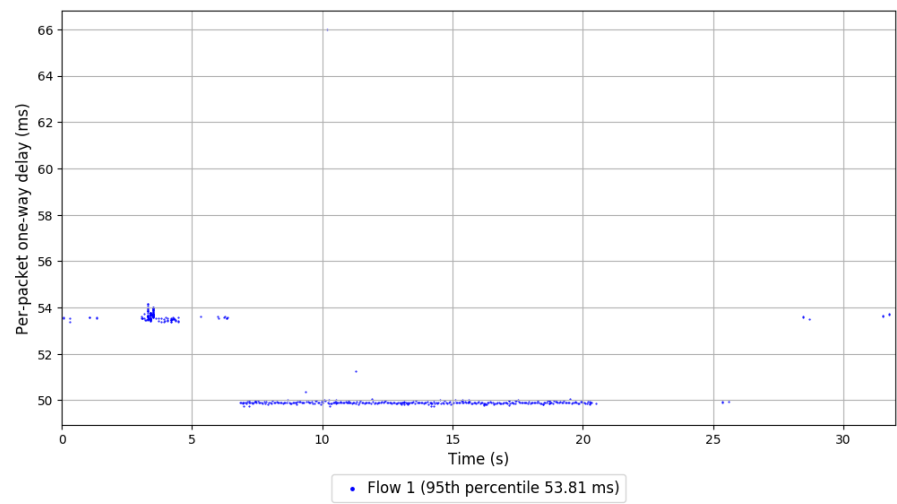
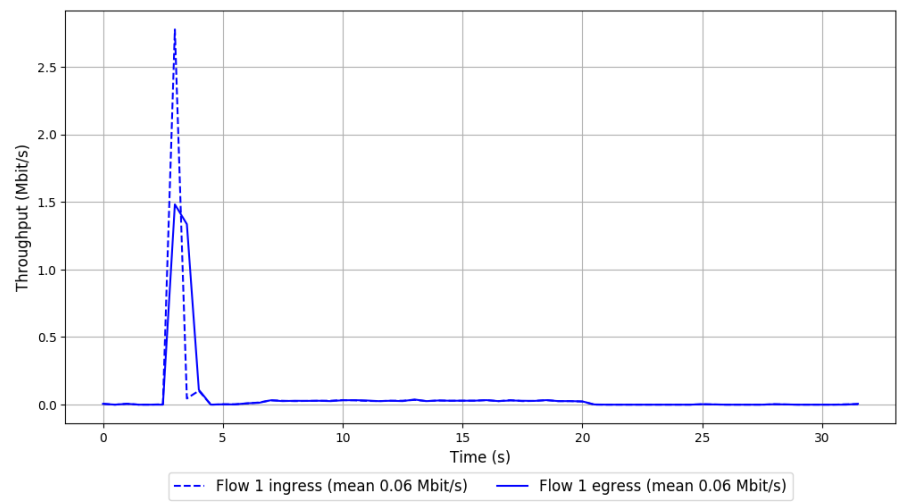
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.808 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 13:40:11

End at: 2018-04-24 13:40:41

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.328 ms

Loss rate: 0.00%

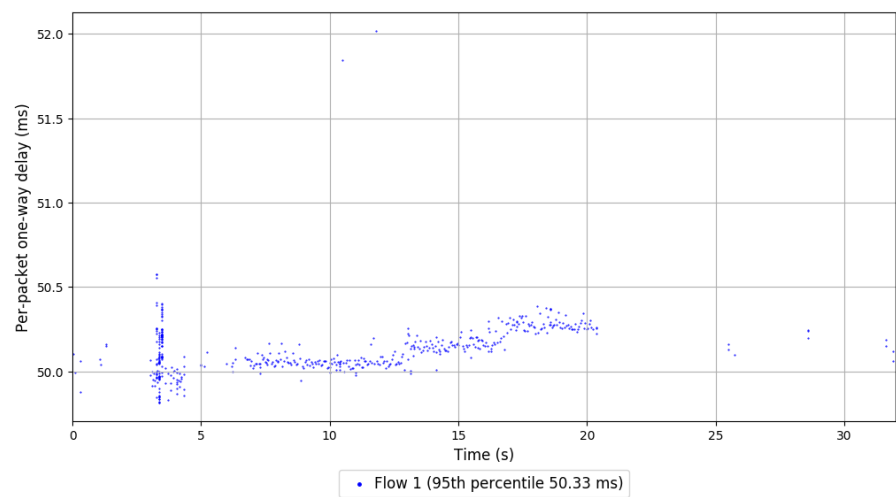
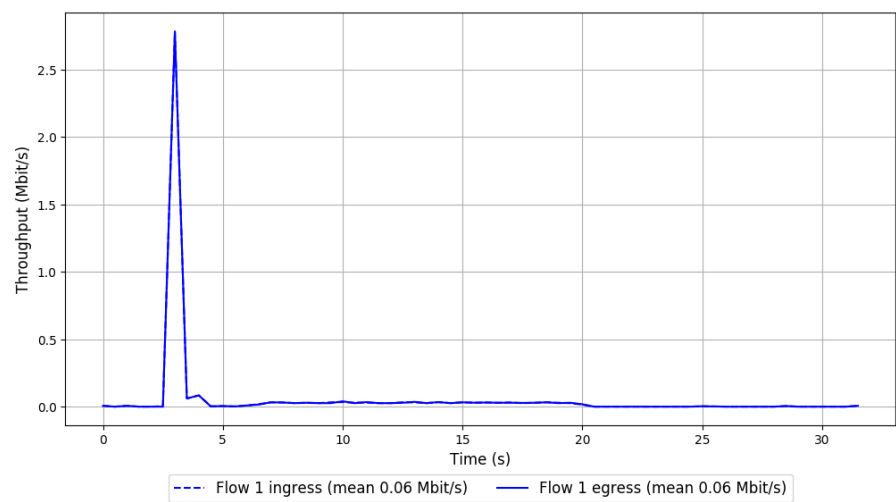
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.328 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 13:53:13

End at: 2018-04-24 13:53:43

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 54.029 ms

Loss rate: 0.00%

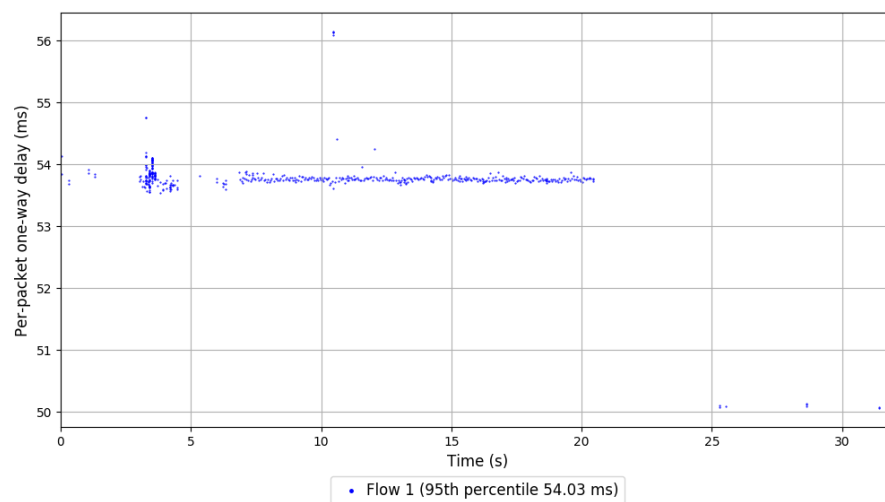
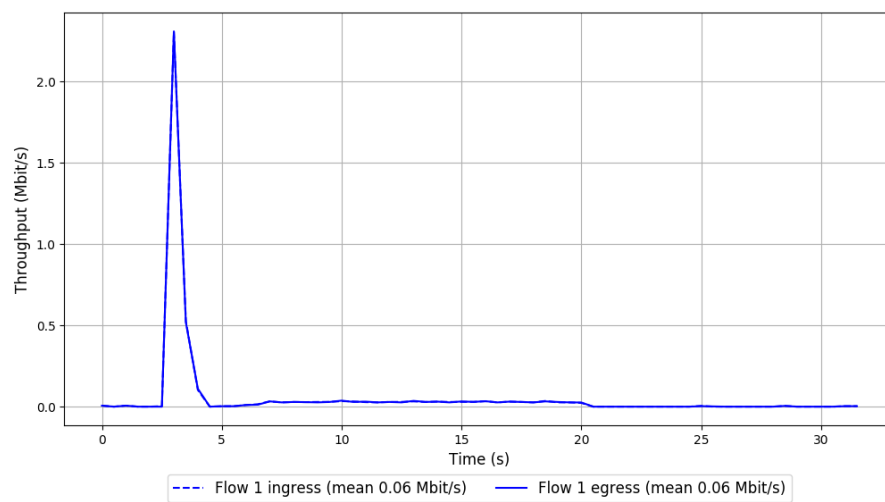
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 54.029 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-24 11:46:09

End at: 2018-04-24 11:46:39

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.028 ms

Loss rate: 0.41%

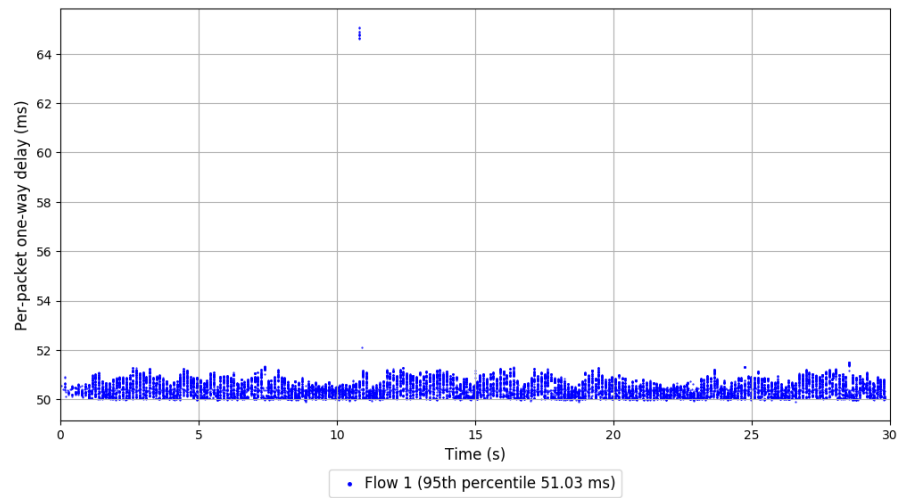
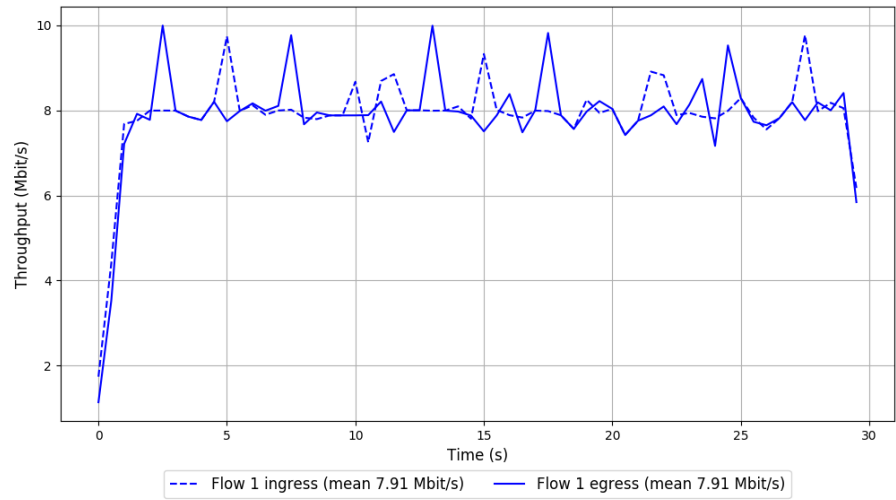
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.028 ms

Loss rate: 0.41%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-24 11:58:58

End at: 2018-04-24 11:59:28

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.79 Mbit/s

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

Loss rate: 0.23%

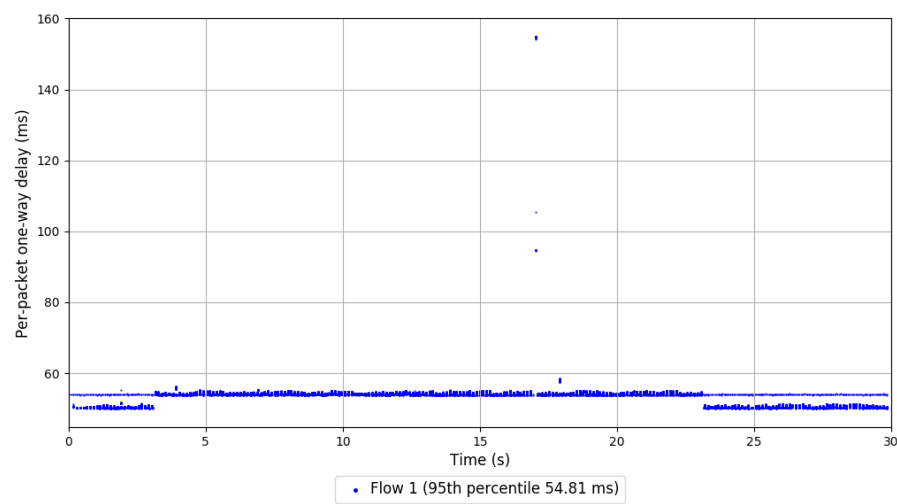
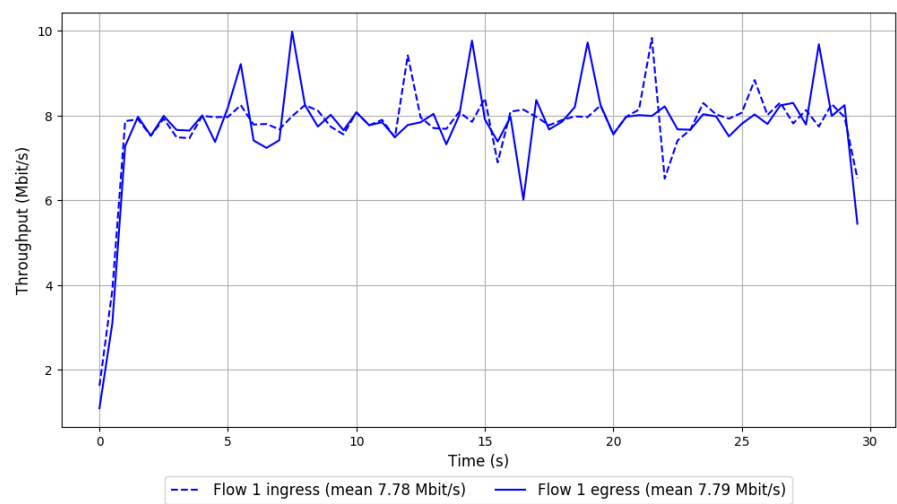
-- Flow 1:

Average throughput: 7.79 Mbit/s

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

Loss rate: 0.23%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-24 12:12:11

End at: 2018-04-24 12:12:42

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 54.705 ms

Loss rate: 0.42%

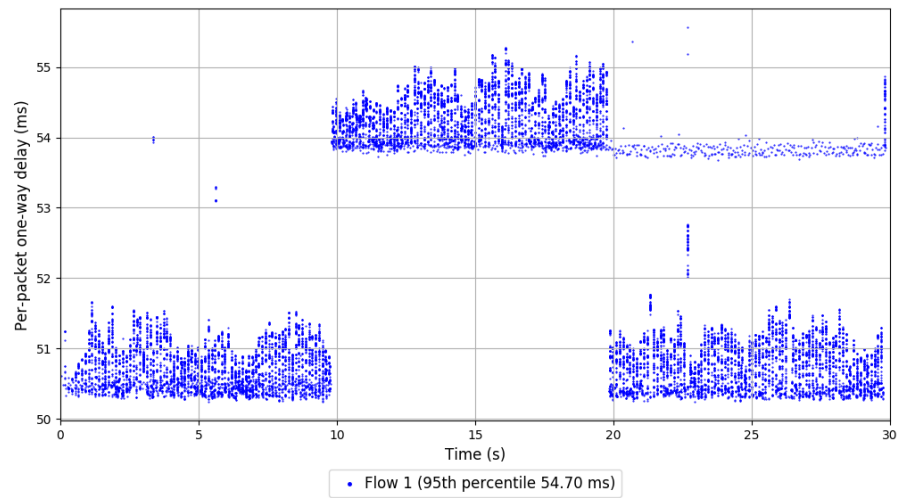
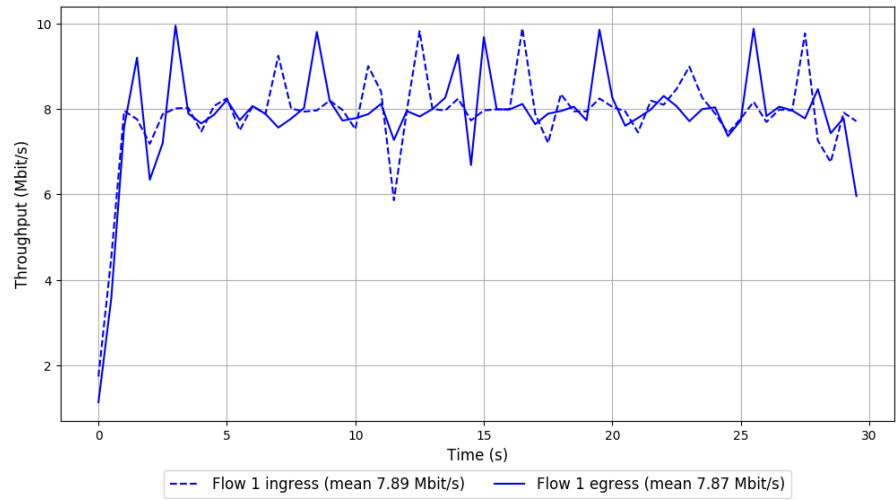
-- Flow 1:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 54.705 ms

Loss rate: 0.42%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-24 12:25:22

End at: 2018-04-24 12:25:52

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 54.685 ms

Loss rate: 0.42%

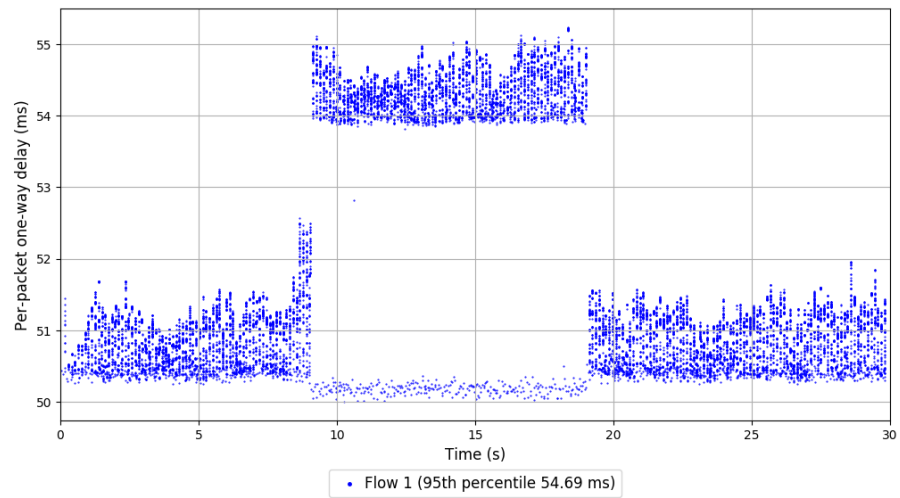
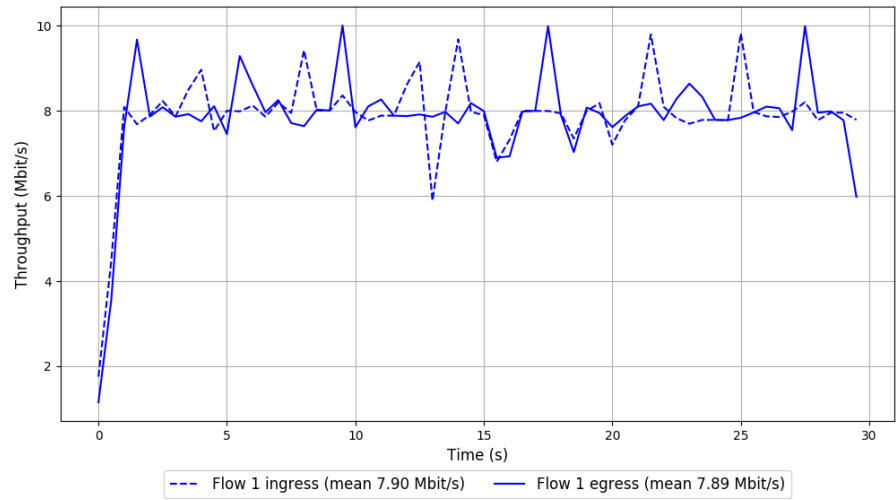
-- Flow 1:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 54.685 ms

Loss rate: 0.42%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-24 12:38:35

End at: 2018-04-24 12:39:05

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 54.555 ms

Loss rate: 0.45%

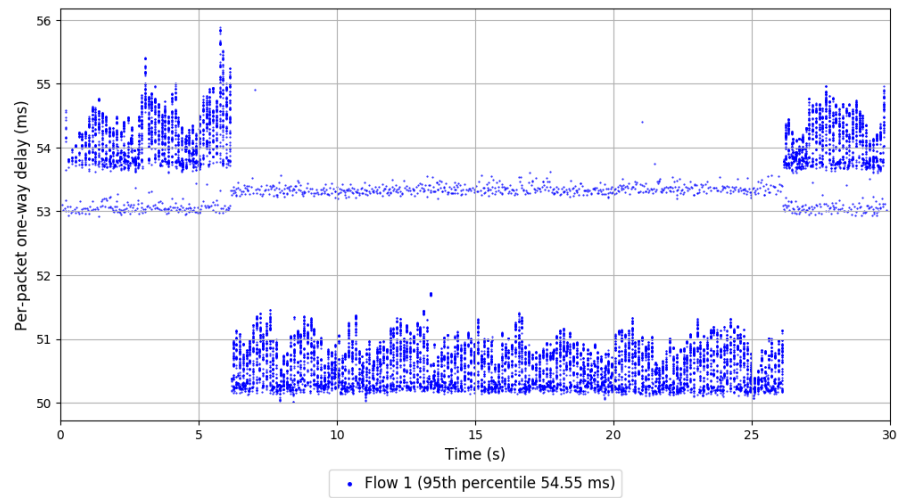
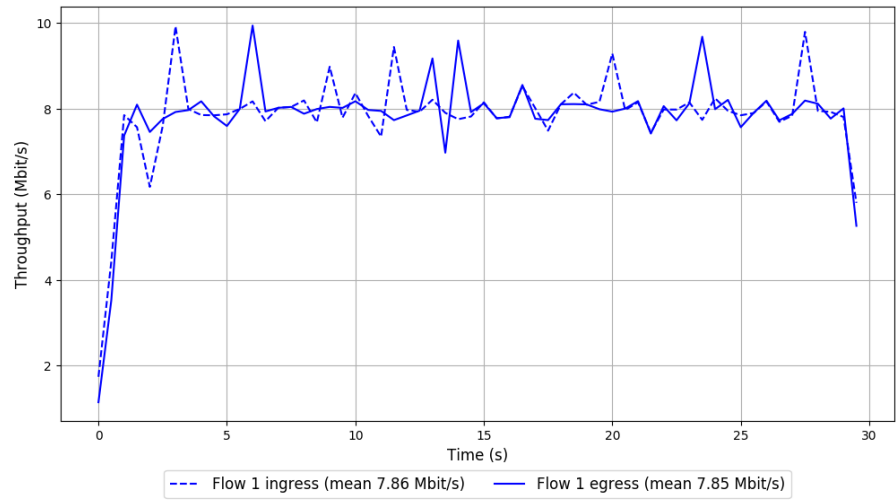
-- Flow 1:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 54.555 ms

Loss rate: 0.45%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 12:51:23

End at: 2018-04-24 12:51:53

Below is generated by plot.py at 2018-04-24 16:39:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 54.465 ms

Loss rate: 0.39%

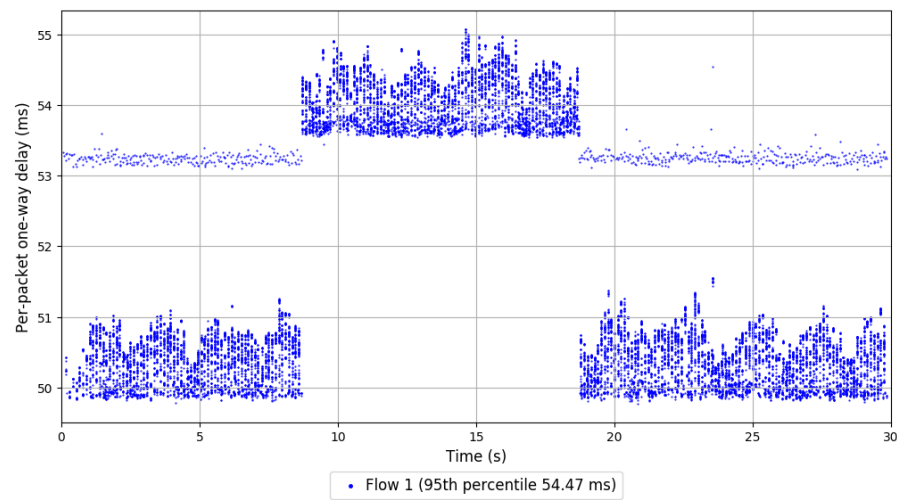
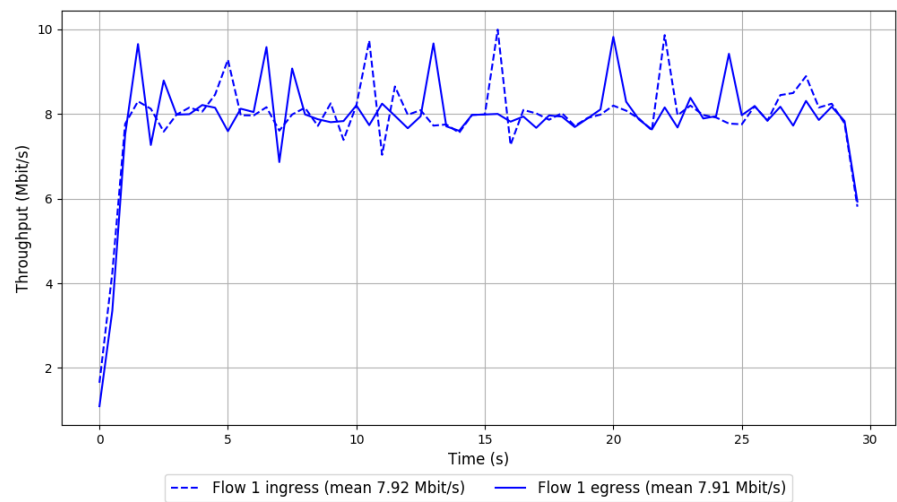
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 54.465 ms

Loss rate: 0.39%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 13:04:27

End at: 2018-04-24 13:04:57

Below is generated by plot.py at 2018-04-24 16:40:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 54.462 ms

Loss rate: 0.33%

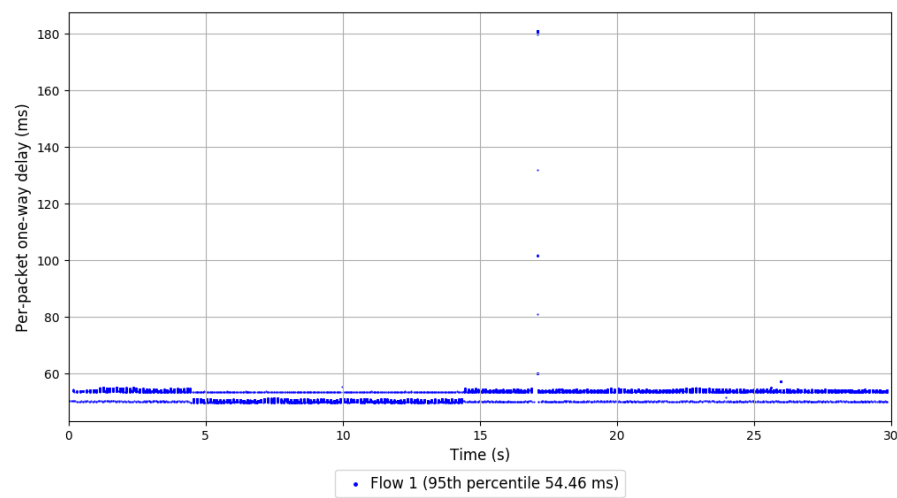
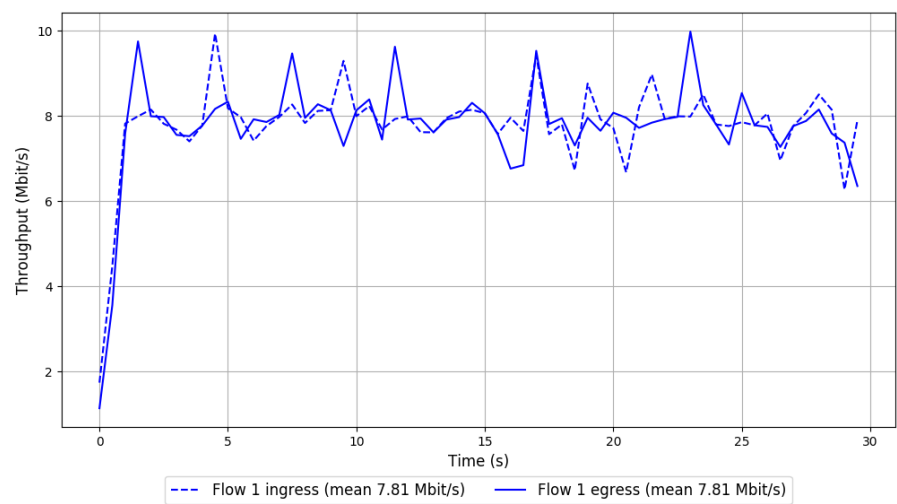
-- Flow 1:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 54.462 ms

Loss rate: 0.33%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-24 13:17:17

End at: 2018-04-24 13:17:47

Below is generated by plot.py at 2018-04-24 16:40:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.78 Mbit/s

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

Loss rate: 0.43%

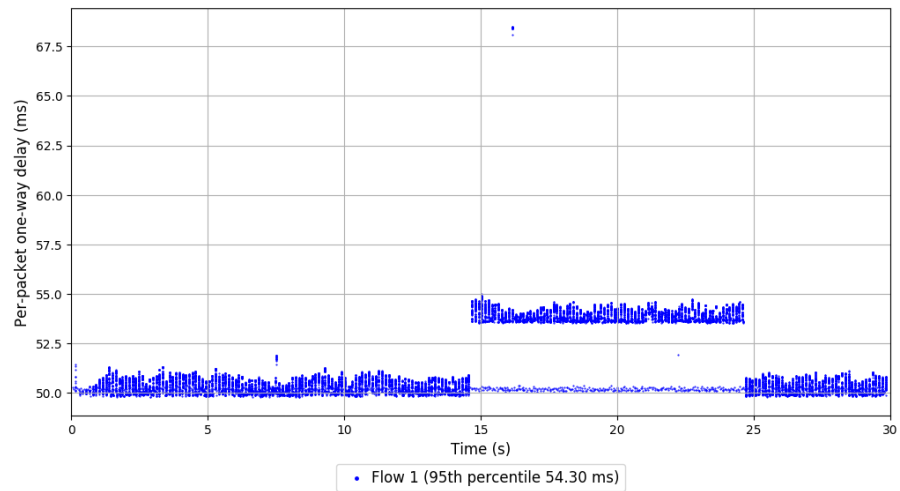
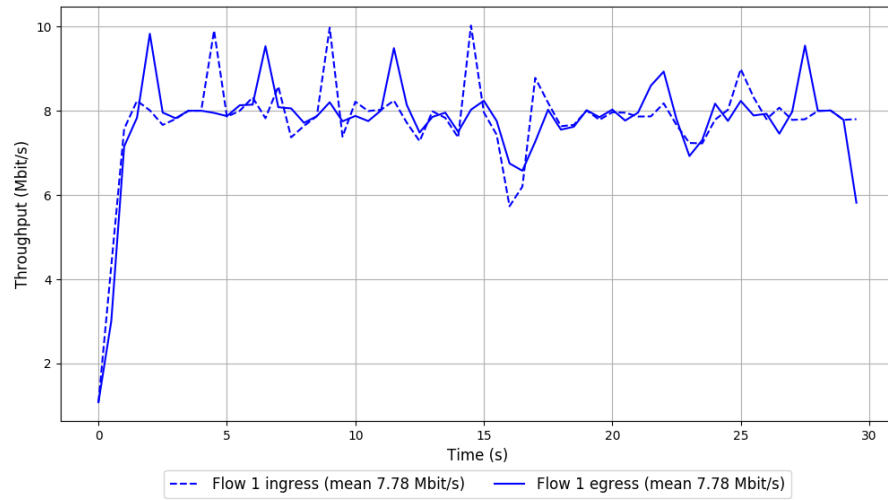
-- Flow 1:

Average throughput: 7.78 Mbit/s

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

Loss rate: 0.43%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 13:30:14

End at: 2018-04-24 13:30:44

Below is generated by plot.py at 2018-04-24 16:40:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 54.447 ms

Loss rate: 0.40%

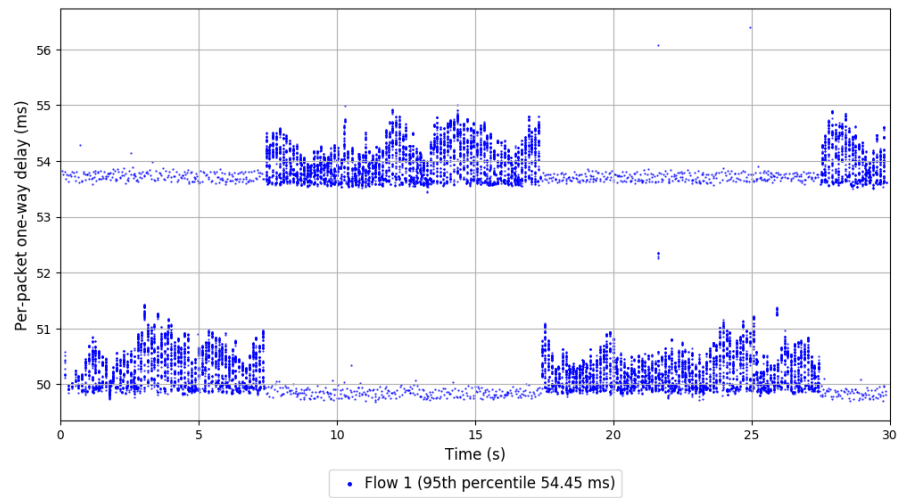
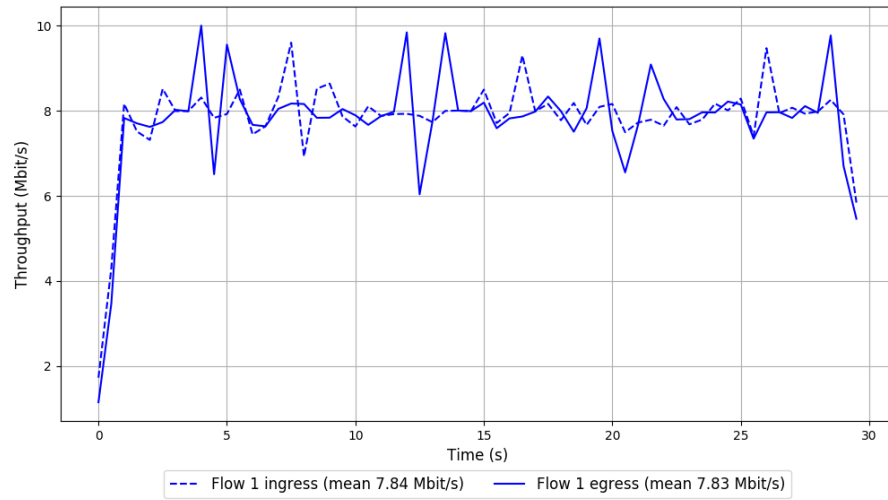
-- Flow 1:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 54.447 ms

Loss rate: 0.40%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 13:43:21

End at: 2018-04-24 13:43:51

Below is generated by plot.py at 2018-04-24 16:40:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 54.639 ms

Loss rate: 0.43%

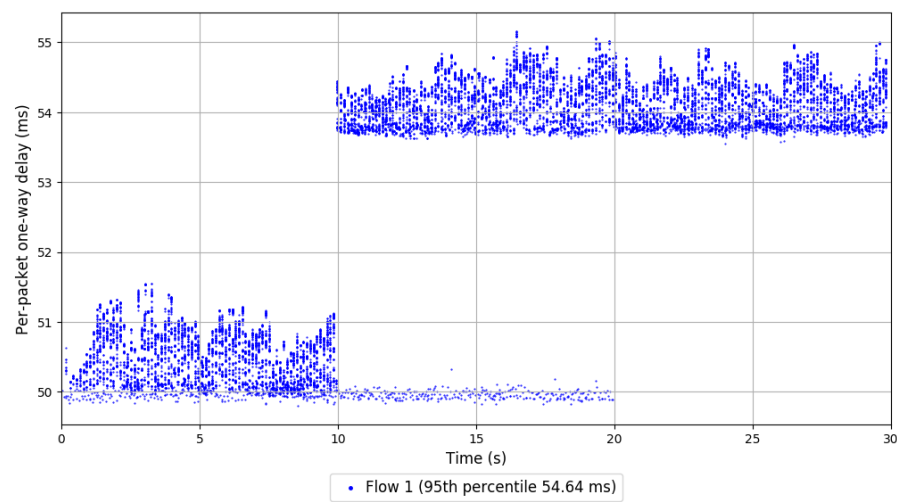
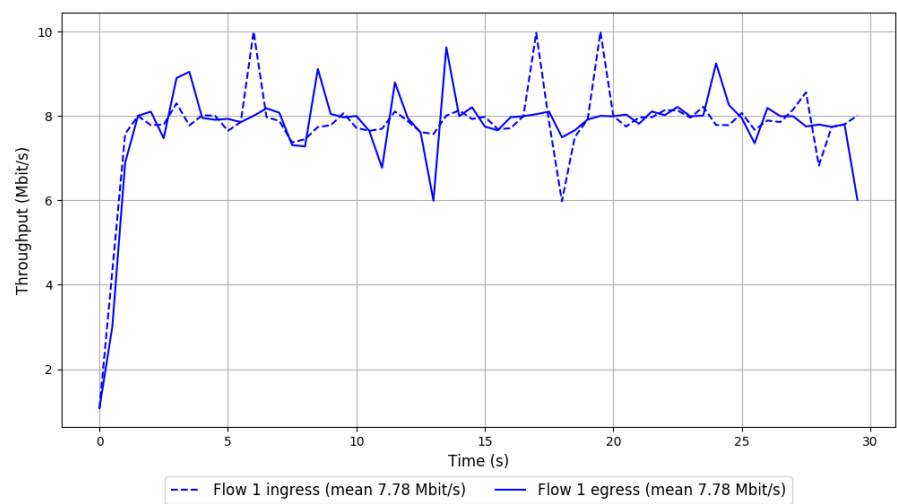
-- Flow 1:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 54.639 ms

Loss rate: 0.43%

Run 10: Report of Sprout — Data Link

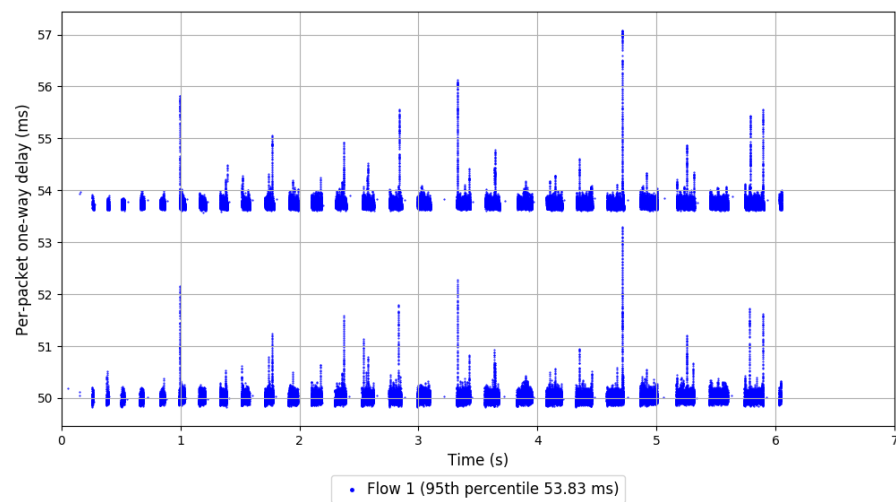
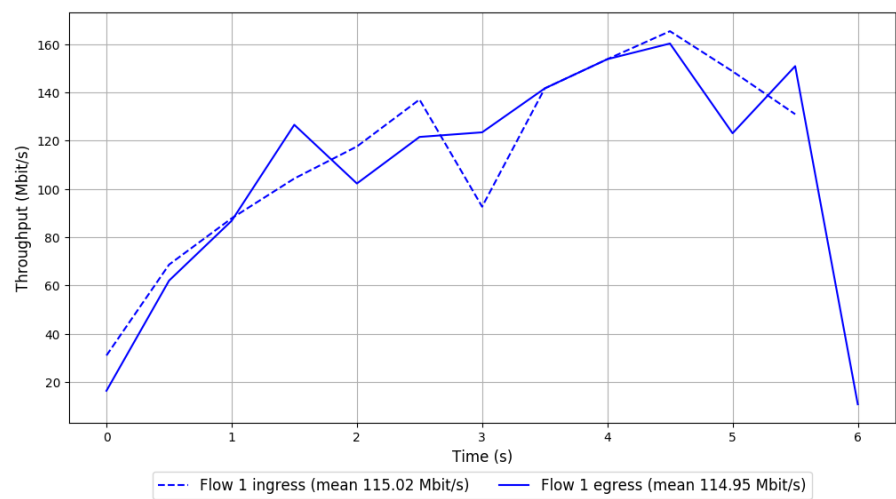


Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 11:51:20

End at: 2018-04-24 11:51:50

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

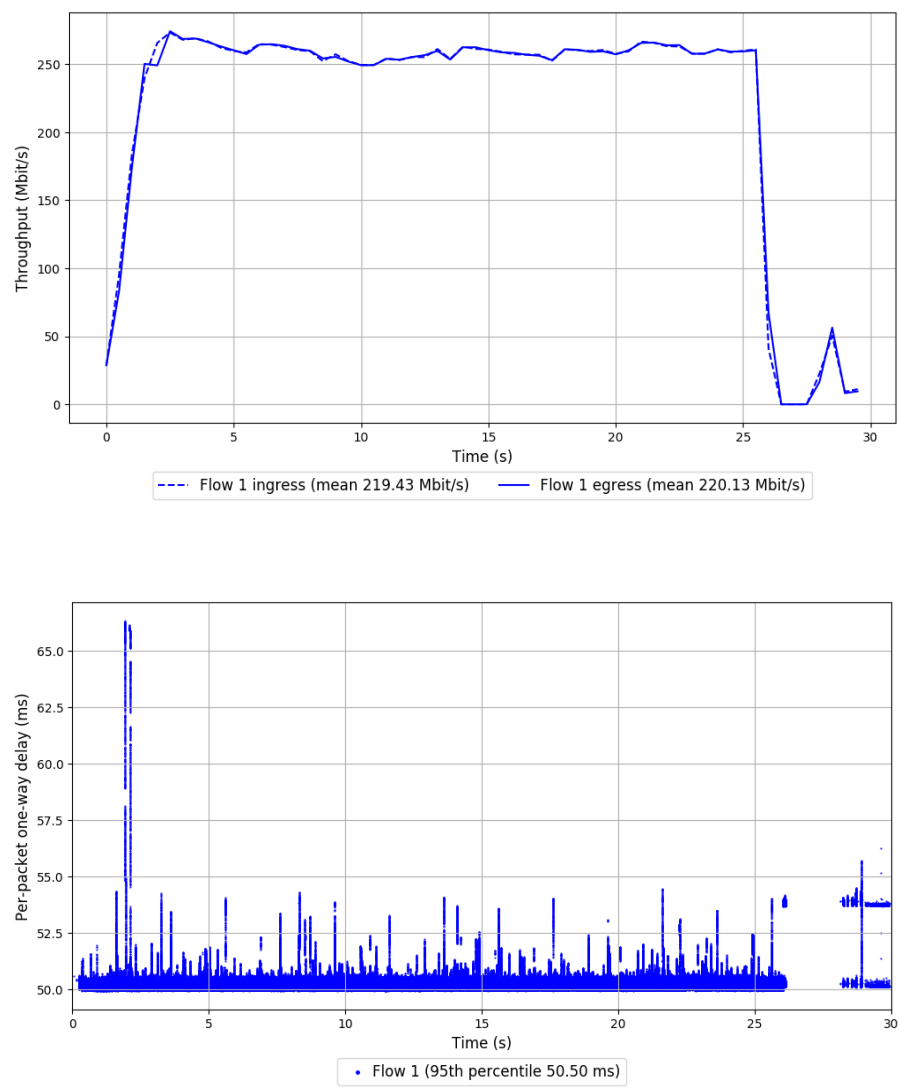


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 12:04:15
End at: 2018-04-24 12:04:45

# Below is generated by plot.py at 2018-04-24 16:40:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.13 Mbit/s
95th percentile per-packet one-way delay: 50.496 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 220.13 Mbit/s
95th percentile per-packet one-way delay: 50.496 ms
Loss rate: 0.02%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 12:17:23

End at: 2018-04-24 12:17:53

Below is generated by plot.py at 2018-04-24 16:40:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.83 Mbit/s

95th percentile per-packet one-way delay: 54.268 ms

Loss rate: 0.33%

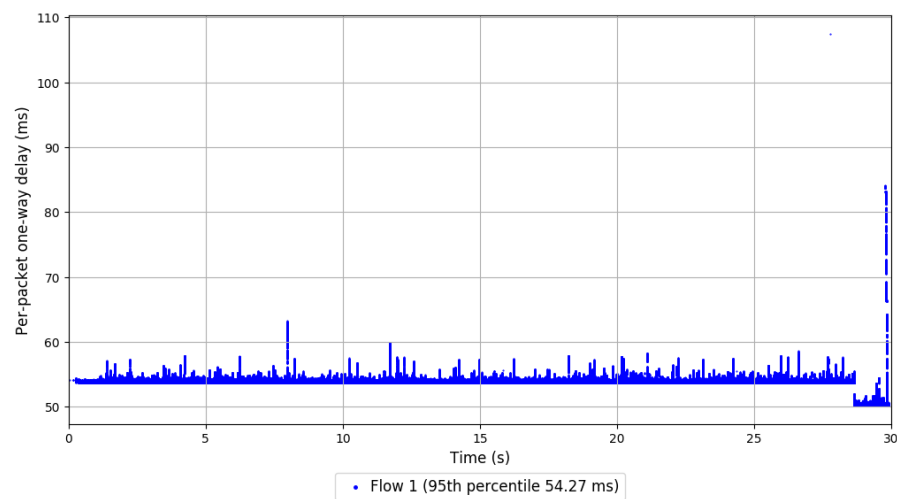
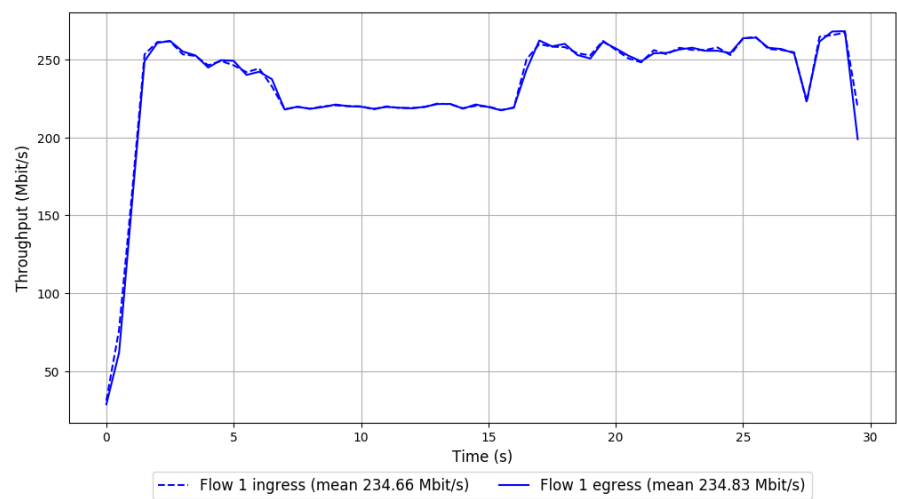
-- Flow 1:

Average throughput: 234.83 Mbit/s

95th percentile per-packet one-way delay: 54.268 ms

Loss rate: 0.33%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 12:30:35

End at: 2018-04-24 12:31:05

Below is generated by plot.py at 2018-04-24 16:41:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.49 Mbit/s

95th percentile per-packet one-way delay: 54.012 ms

Loss rate: 0.31%

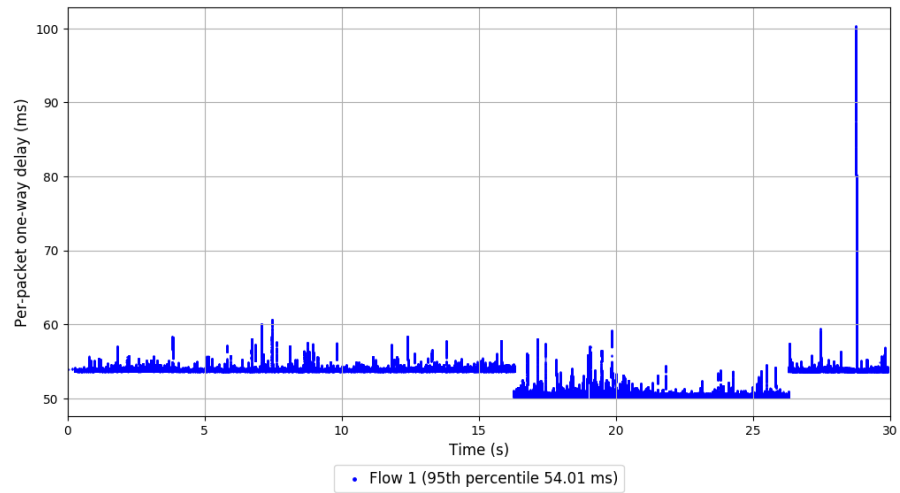
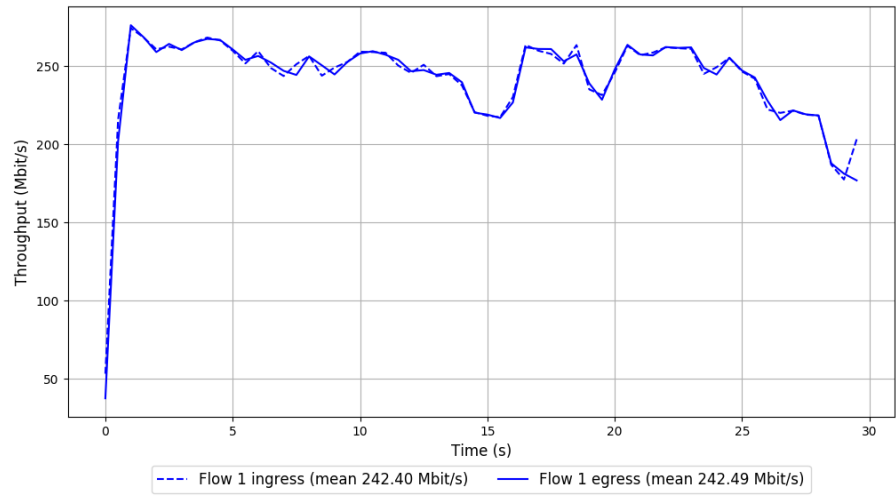
-- Flow 1:

Average throughput: 242.49 Mbit/s

95th percentile per-packet one-way delay: 54.012 ms

Loss rate: 0.31%

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

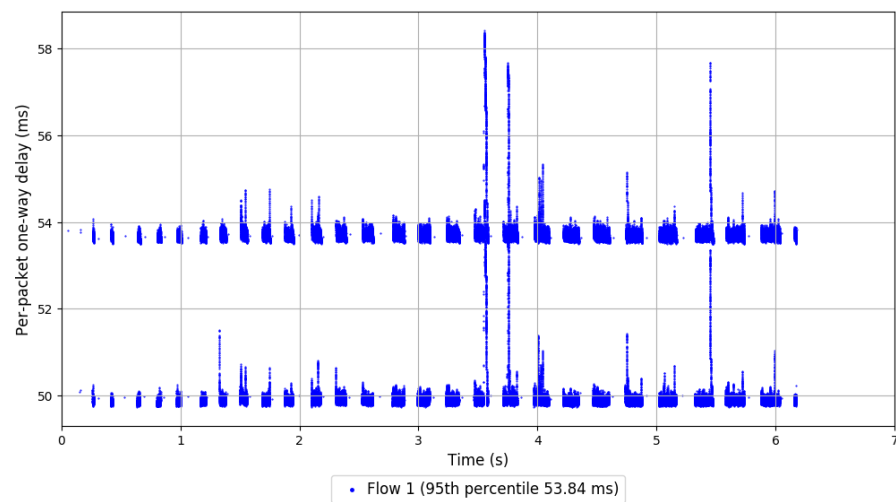
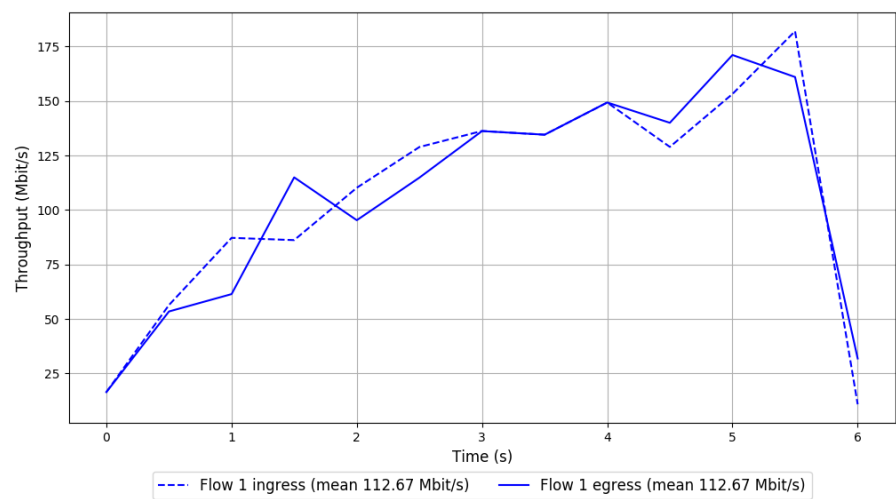


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 12:43:43

End at: 2018-04-24 12:44:13

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 12:56:49

End at: 2018-04-24 12:57:19

Below is generated by plot.py at 2018-04-24 16:41:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.40 Mbit/s

95th percentile per-packet one-way delay: 53.555 ms

Loss rate: 0.20%

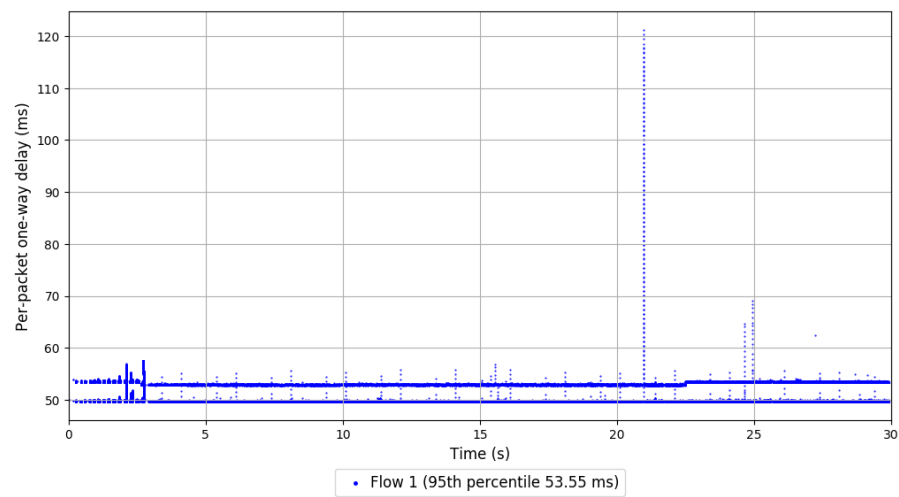
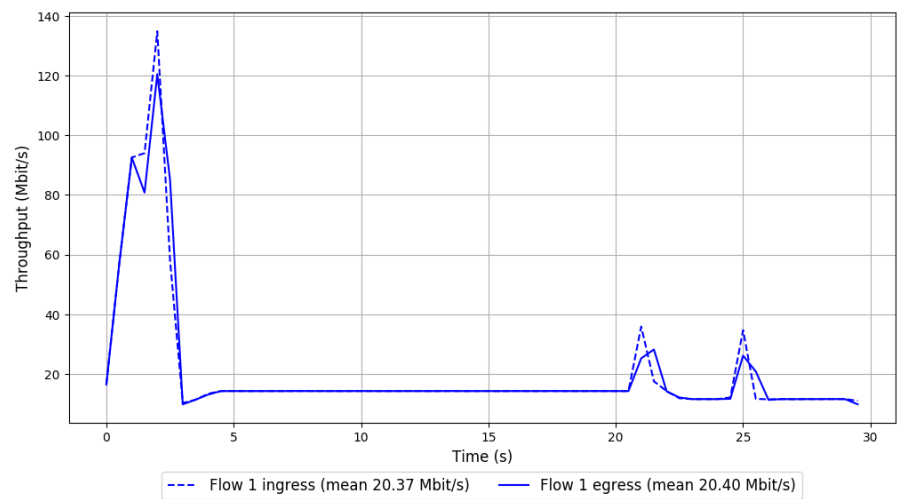
-- Flow 1:

Average throughput: 20.40 Mbit/s

95th percentile per-packet one-way delay: 53.555 ms

Loss rate: 0.20%

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

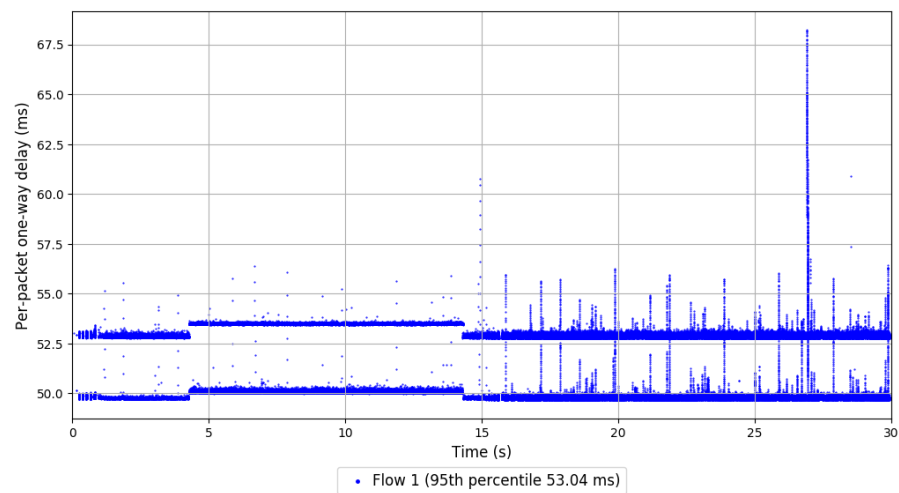
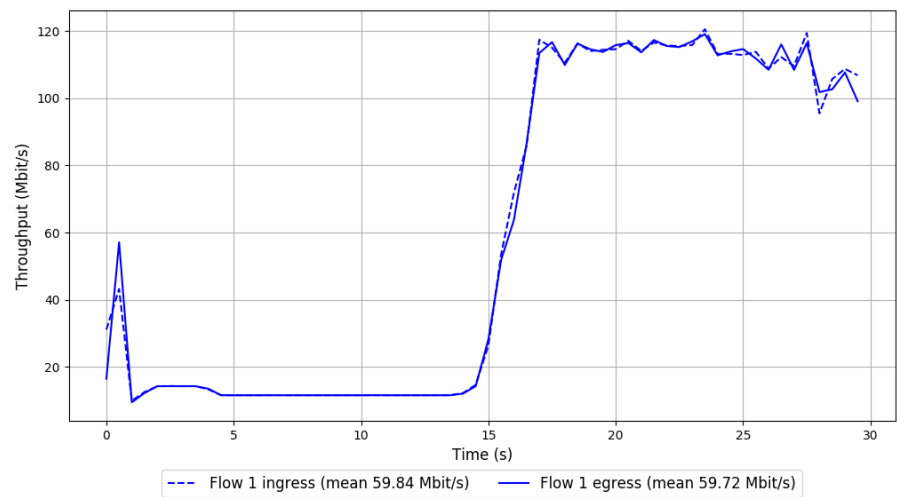


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 13:09:37
End at: 2018-04-24 13:10:07

# Below is generated by plot.py at 2018-04-24 16:41:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 53.043 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 53.043 ms
Loss rate: 0.51%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 13:22:31

End at: 2018-04-24 13:23:01

Below is generated by plot.py at 2018-04-24 16:41:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 53.463 ms

Loss rate: 0.04%

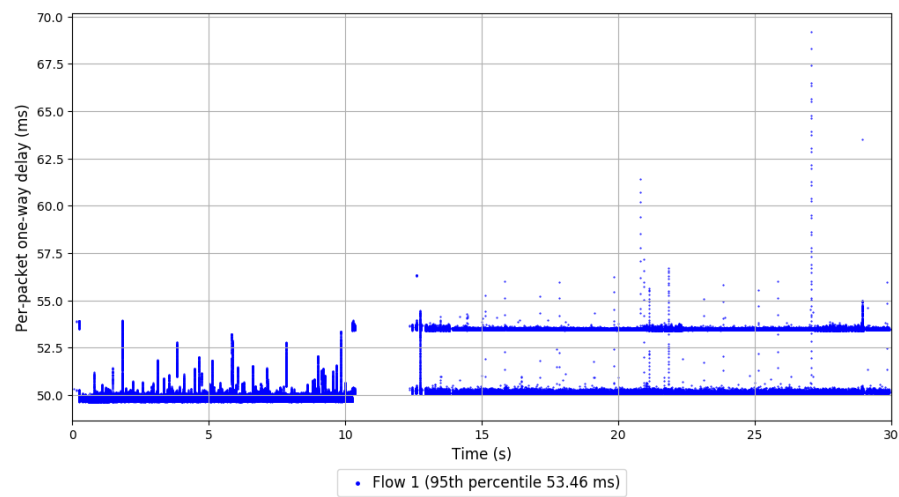
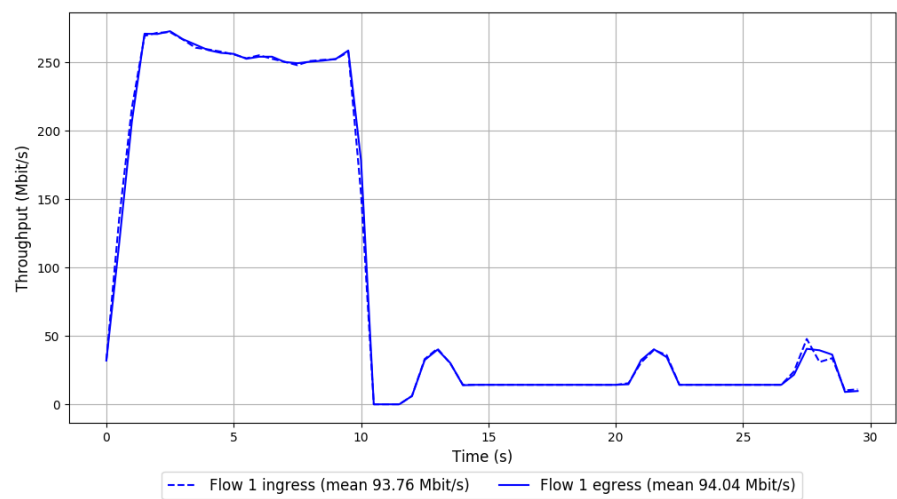
-- Flow 1:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 53.463 ms

Loss rate: 0.04%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 13:35:26

End at: 2018-04-24 13:35:56

Below is generated by plot.py at 2018-04-24 16:41:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.14 Mbit/s

95th percentile per-packet one-way delay: 53.697 ms

Loss rate: 0.35%

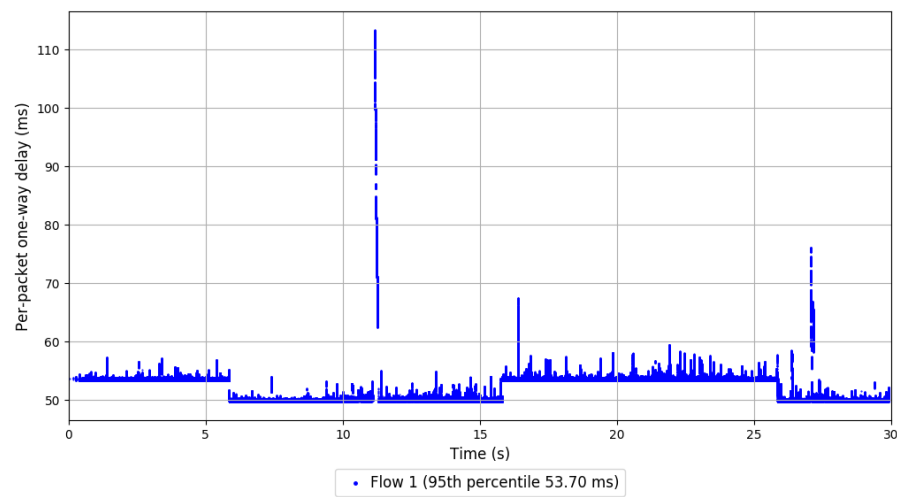
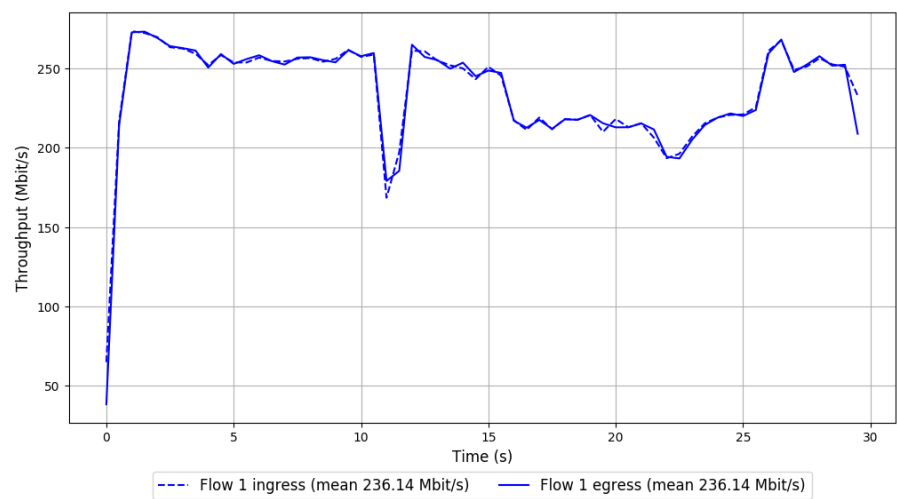
-- Flow 1:

Average throughput: 236.14 Mbit/s

95th percentile per-packet one-way delay: 53.697 ms

Loss rate: 0.35%

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

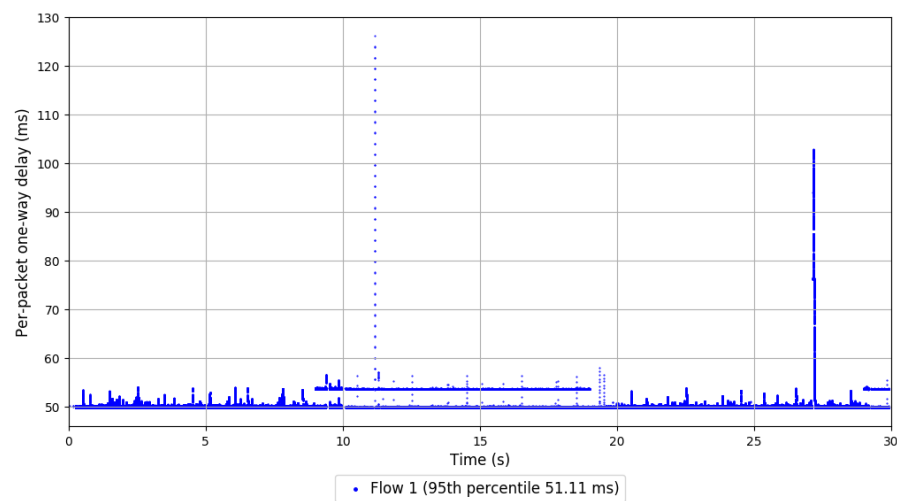
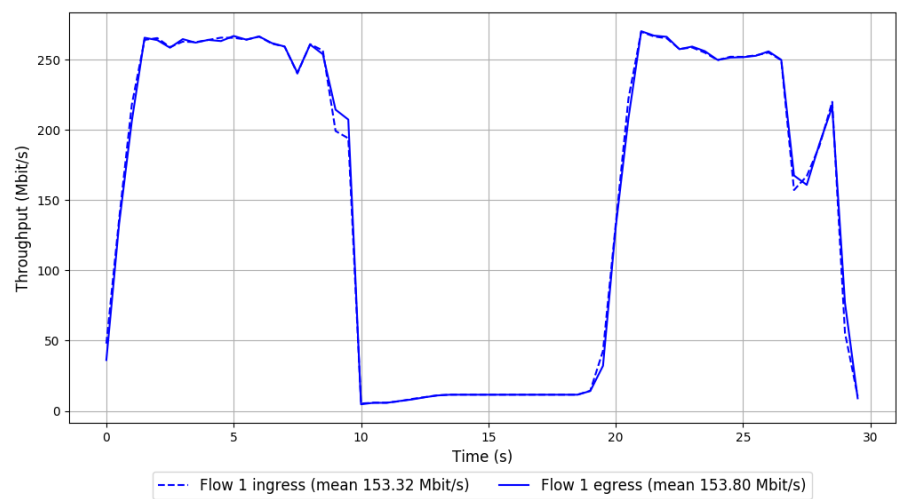


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 13:48:32
End at: 2018-04-24 13:49:02

# Below is generated by plot.py at 2018-04-24 16:41:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 153.80 Mbit/s
95th percentile per-packet one-way delay: 51.108 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 153.80 Mbit/s
95th percentile per-packet one-way delay: 51.108 ms
Loss rate: 0.03%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 11:49:43

End at: 2018-04-24 11:50:13

Below is generated by plot.py at 2018-04-24 16:41:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 54.996 ms

Loss rate: 0.34%

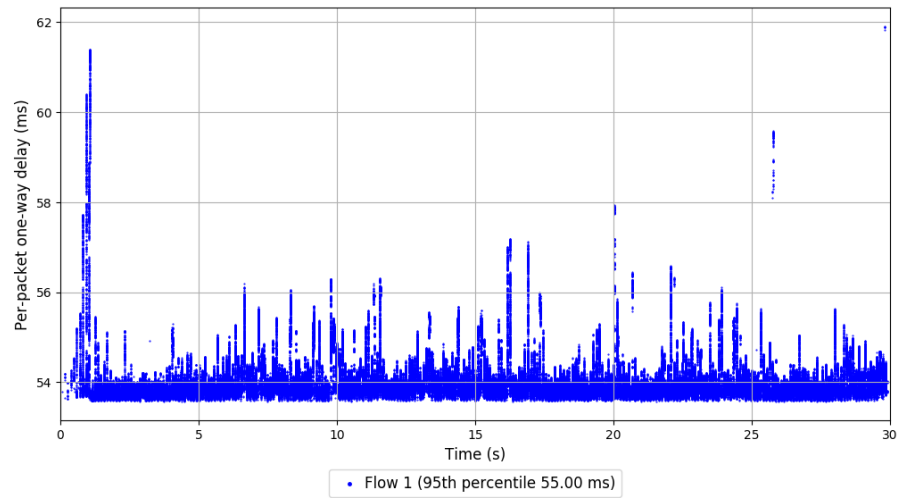
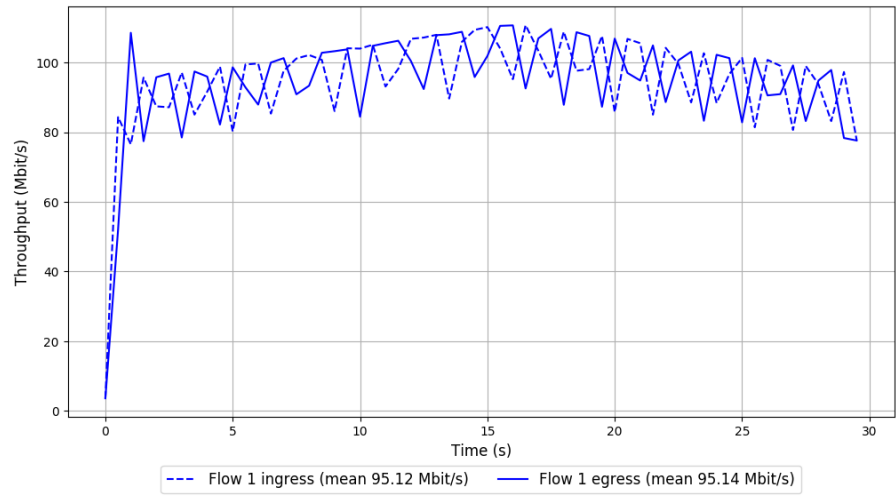
-- Flow 1:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 54.996 ms

Loss rate: 0.34%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 12:02:36

End at: 2018-04-24 12:03:06

Below is generated by plot.py at 2018-04-24 16:41:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.27 Mbit/s

95th percentile per-packet one-way delay: 54.972 ms

Loss rate: 0.33%

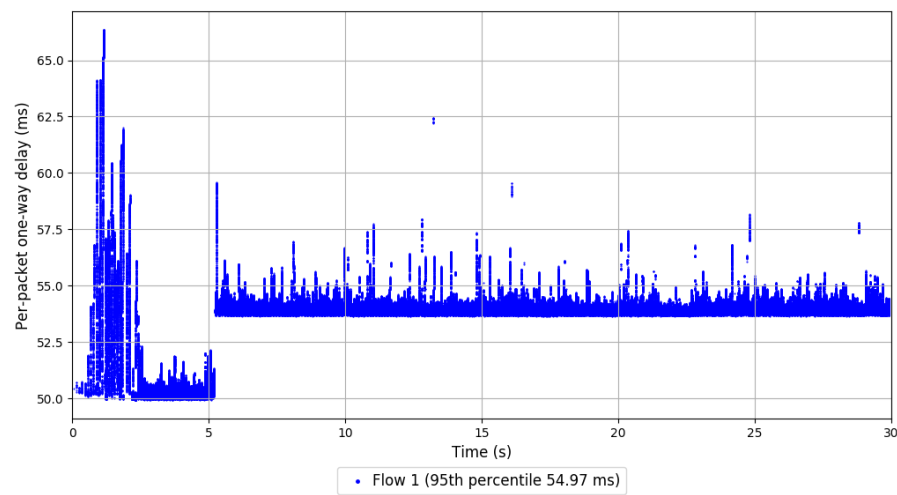
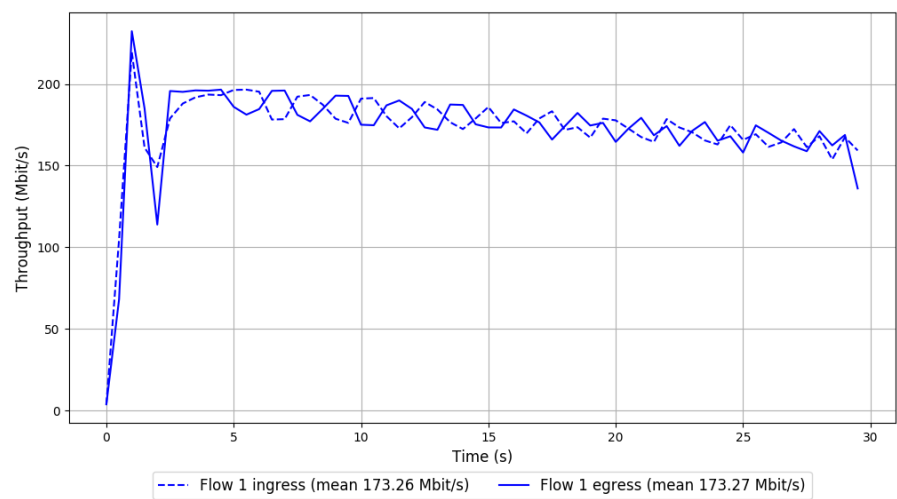
-- Flow 1:

Average throughput: 173.27 Mbit/s

95th percentile per-packet one-way delay: 54.972 ms

Loss rate: 0.33%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 12:15:46

End at: 2018-04-24 12:16:16

Below is generated by plot.py at 2018-04-24 16:41:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.86 Mbit/s

95th percentile per-packet one-way delay: 54.968 ms

Loss rate: 0.38%

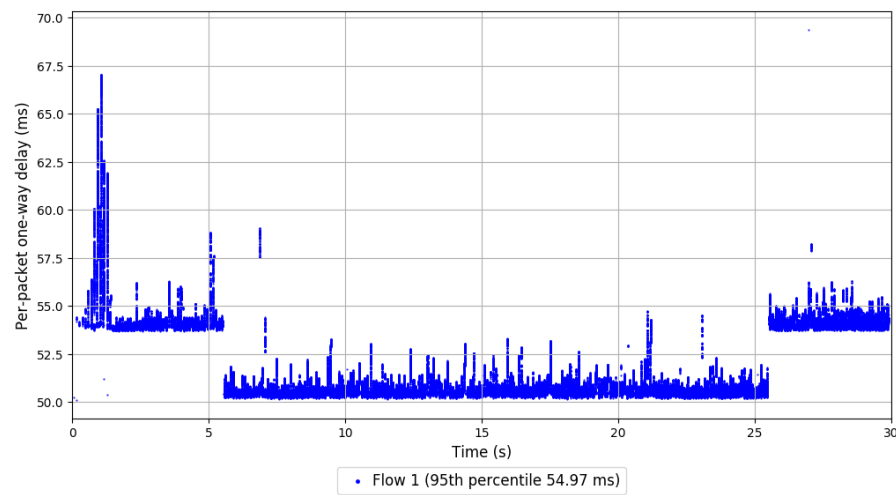
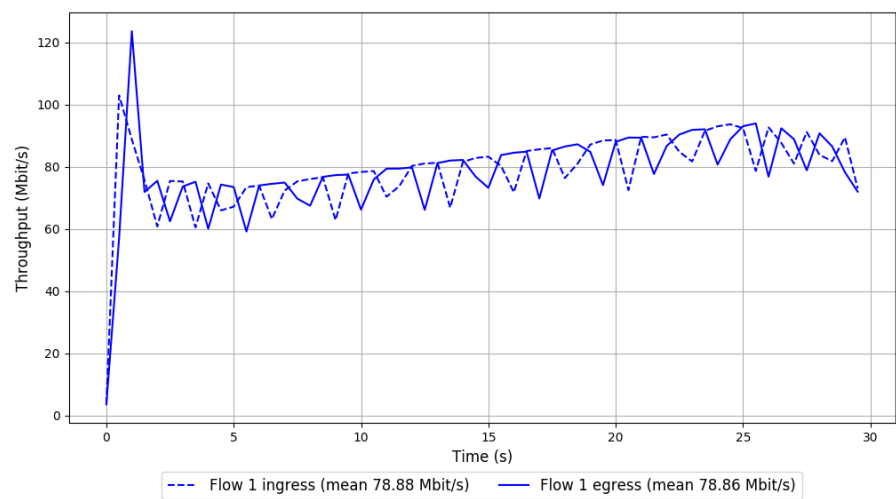
-- Flow 1:

Average throughput: 78.86 Mbit/s

95th percentile per-packet one-way delay: 54.968 ms

Loss rate: 0.38%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 12:28:56

End at: 2018-04-24 12:29:26

Below is generated by plot.py at 2018-04-24 16:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.32 Mbit/s

95th percentile per-packet one-way delay: 51.677 ms

Loss rate: 0.32%

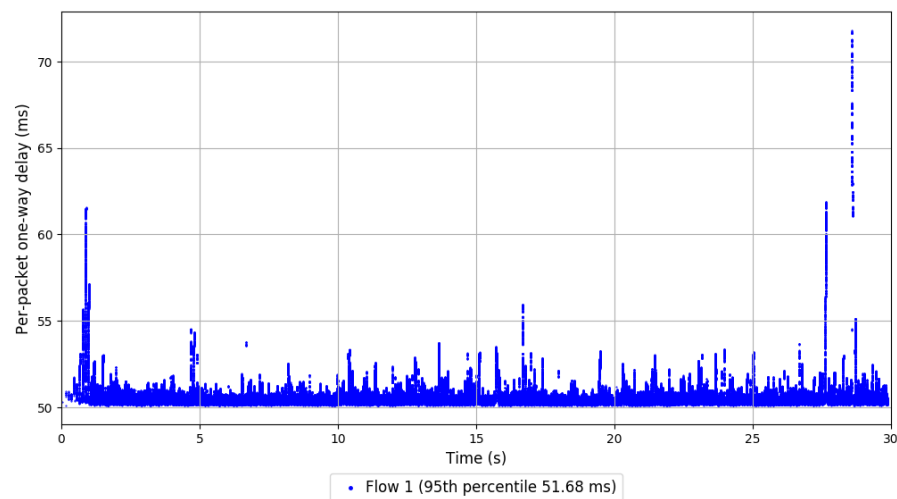
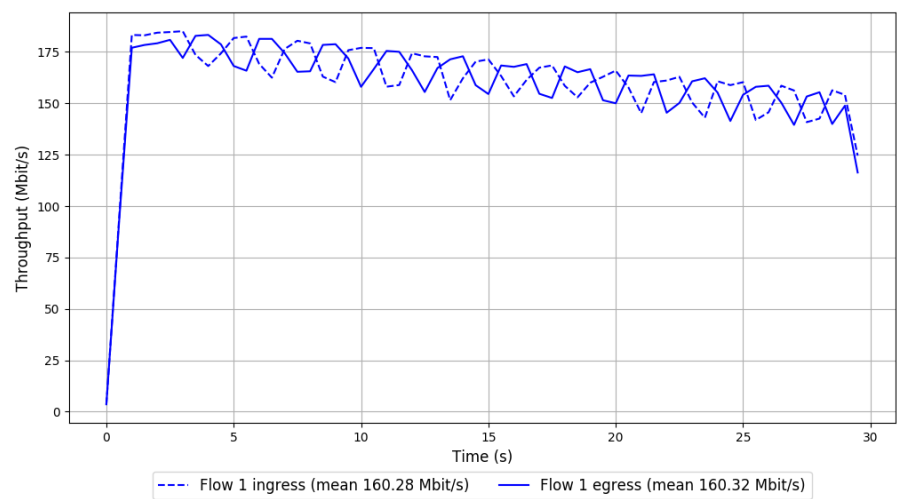
-- Flow 1:

Average throughput: 160.32 Mbit/s

95th percentile per-packet one-way delay: 51.677 ms

Loss rate: 0.32%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 12:42:09

End at: 2018-04-24 12:42:39

Below is generated by plot.py at 2018-04-24 16:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.36 Mbit/s

95th percentile per-packet one-way delay: 54.737 ms

Loss rate: 0.37%

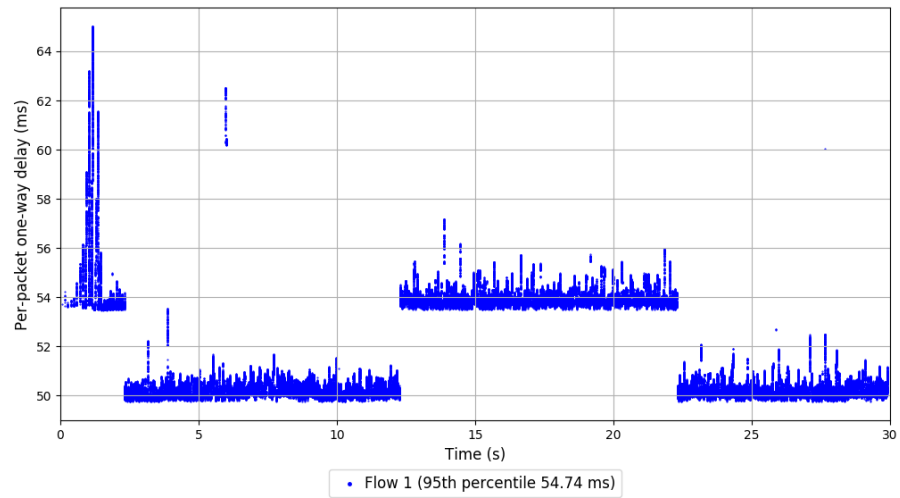
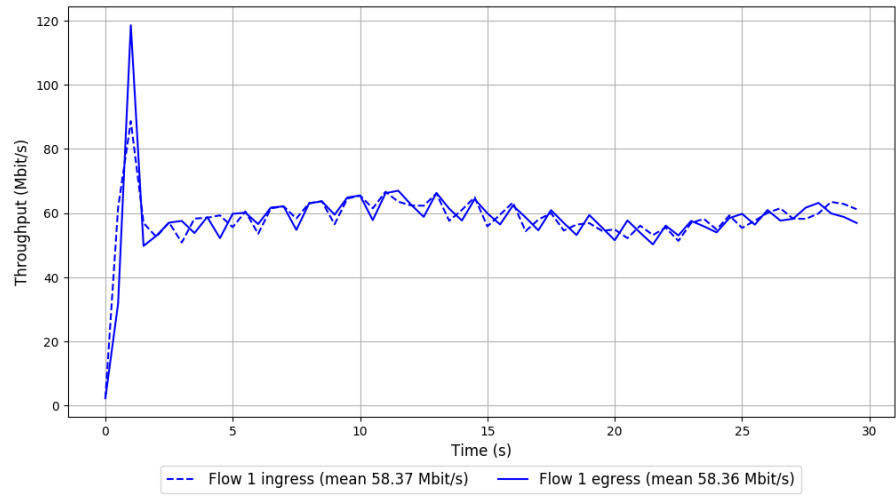
-- Flow 1:

Average throughput: 58.36 Mbit/s

95th percentile per-packet one-way delay: 54.737 ms

Loss rate: 0.37%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 12:55:13

End at: 2018-04-24 12:55:43

Below is generated by plot.py at 2018-04-24 16:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.74 Mbit/s

95th percentile per-packet one-way delay: 54.405 ms

Loss rate: 0.31%

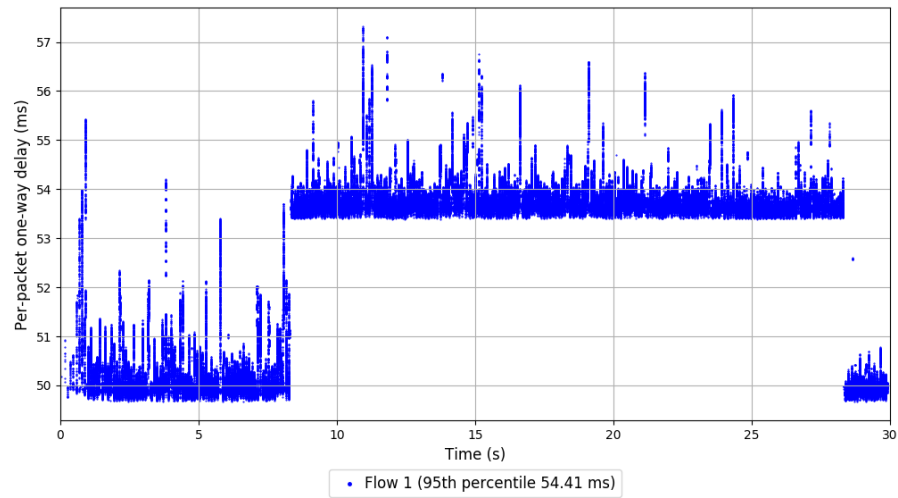
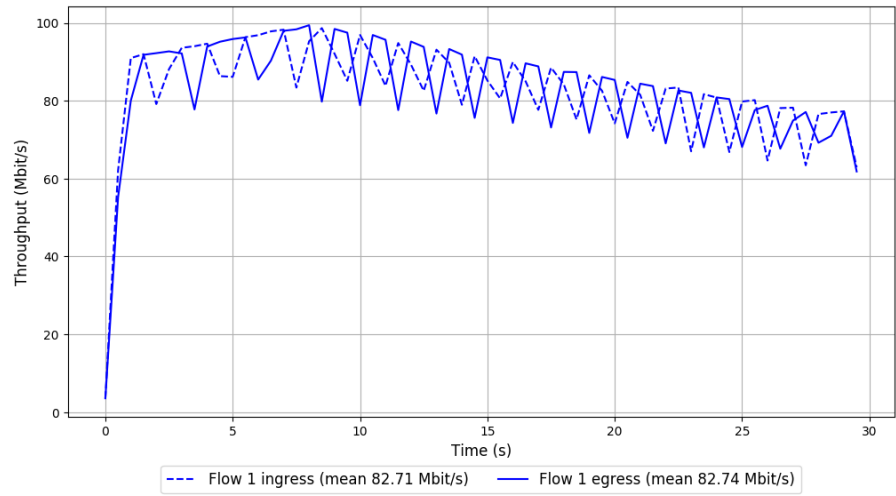
-- Flow 1:

Average throughput: 82.74 Mbit/s

95th percentile per-packet one-way delay: 54.405 ms

Loss rate: 0.31%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 13:07:59

End at: 2018-04-24 13:08:30

Below is generated by plot.py at 2018-04-24 16:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.56 Mbit/s

95th percentile per-packet one-way delay: 59.885 ms

Loss rate: 0.23%

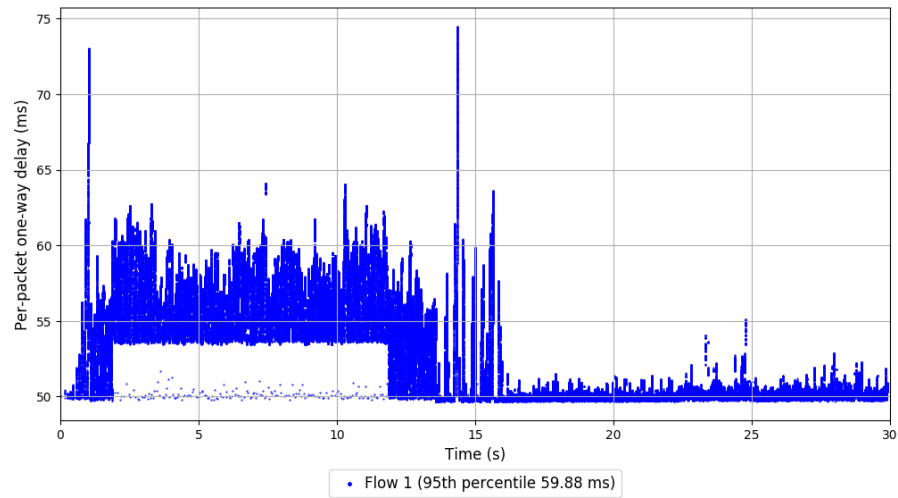
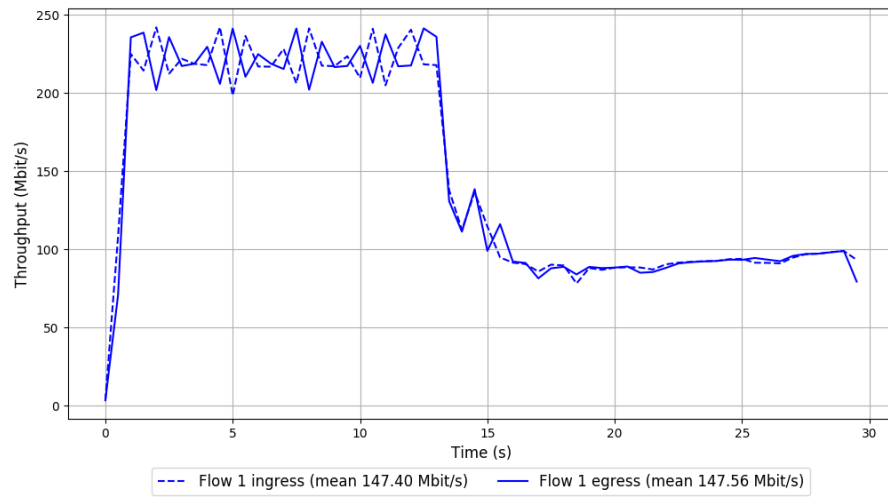
-- Flow 1:

Average throughput: 147.56 Mbit/s

95th percentile per-packet one-way delay: 59.885 ms

Loss rate: 0.23%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 13:20:57

End at: 2018-04-24 13:21:27

Below is generated by plot.py at 2018-04-24 16:43:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.47 Mbit/s

95th percentile per-packet one-way delay: 60.447 ms

Loss rate: 0.21%

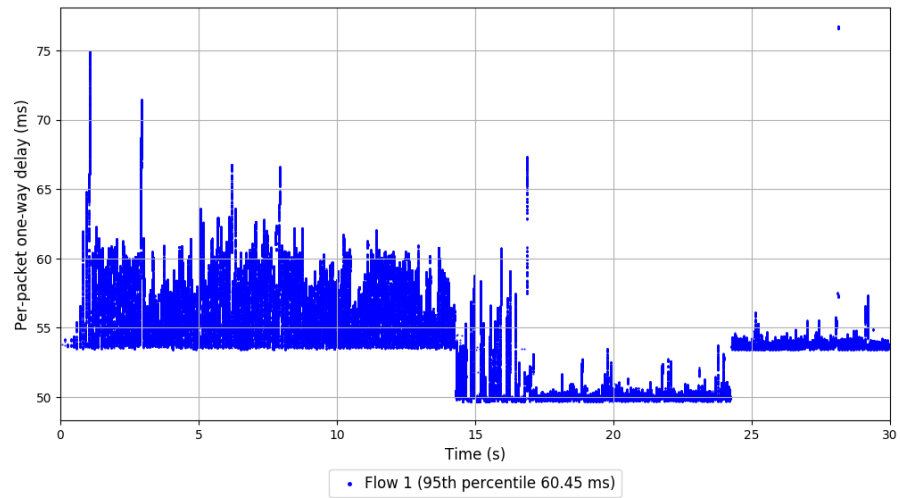
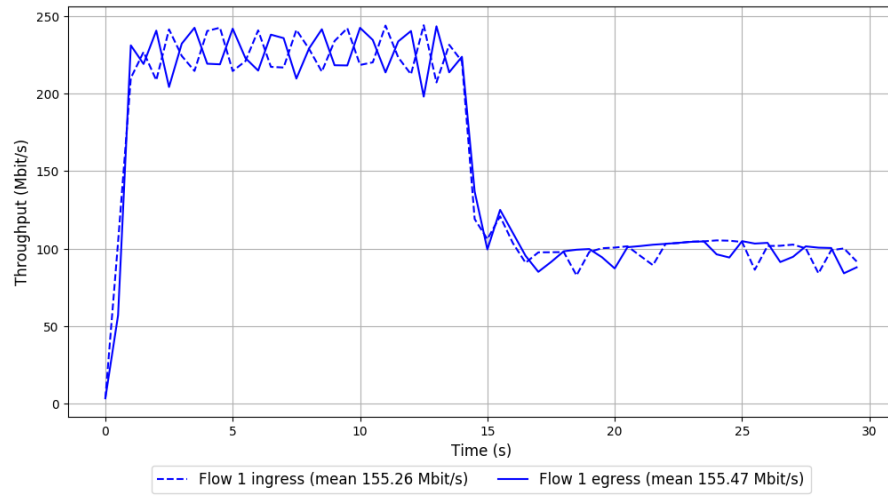
-- Flow 1:

Average throughput: 155.47 Mbit/s

95th percentile per-packet one-way delay: 60.447 ms

Loss rate: 0.21%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 13:33:50

End at: 2018-04-24 13:34:20

Below is generated by plot.py at 2018-04-24 16:43:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.17 Mbit/s

95th percentile per-packet one-way delay: 59.938 ms

Loss rate: 0.17%

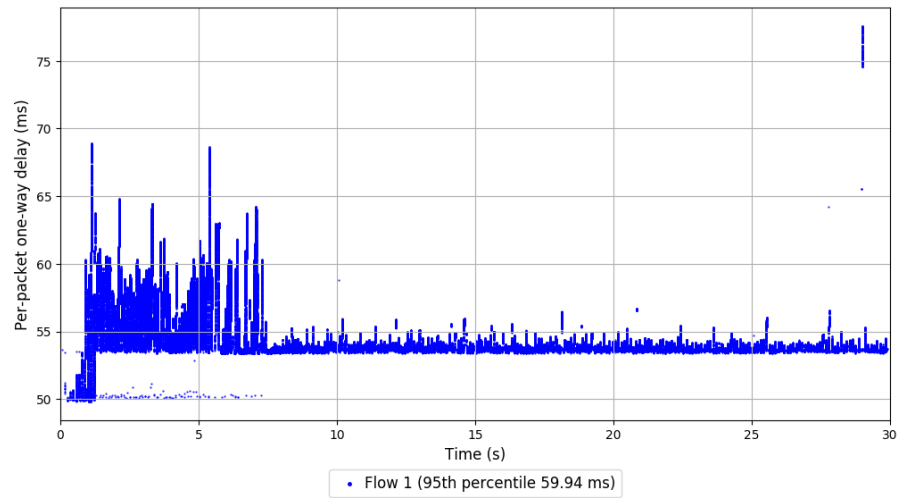
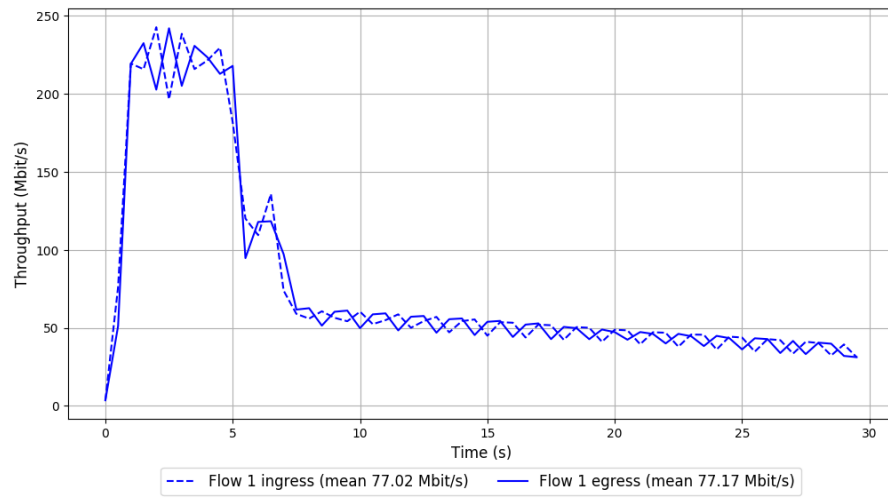
-- Flow 1:

Average throughput: 77.17 Mbit/s

95th percentile per-packet one-way delay: 59.938 ms

Loss rate: 0.17%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 13:46:55

End at: 2018-04-24 13:47:25

Below is generated by plot.py at 2018-04-24 16:43:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.83 Mbit/s

95th percentile per-packet one-way delay: 56.568 ms

Loss rate: 0.25%

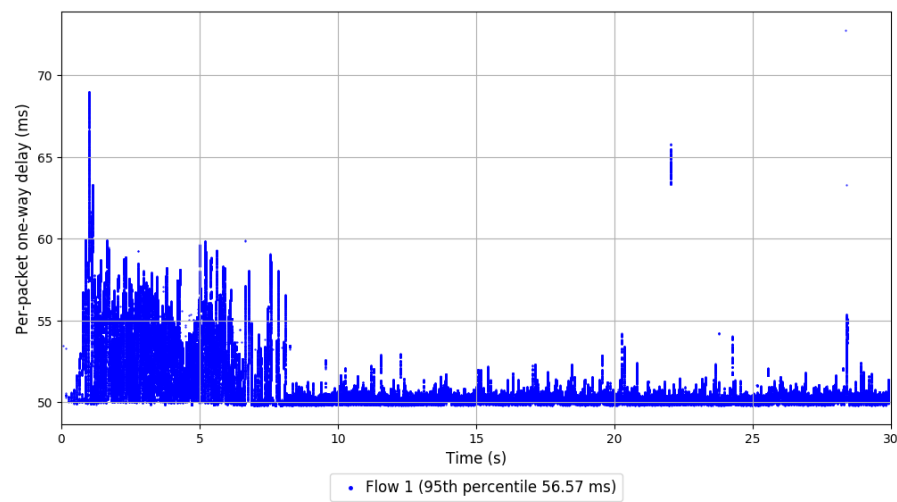
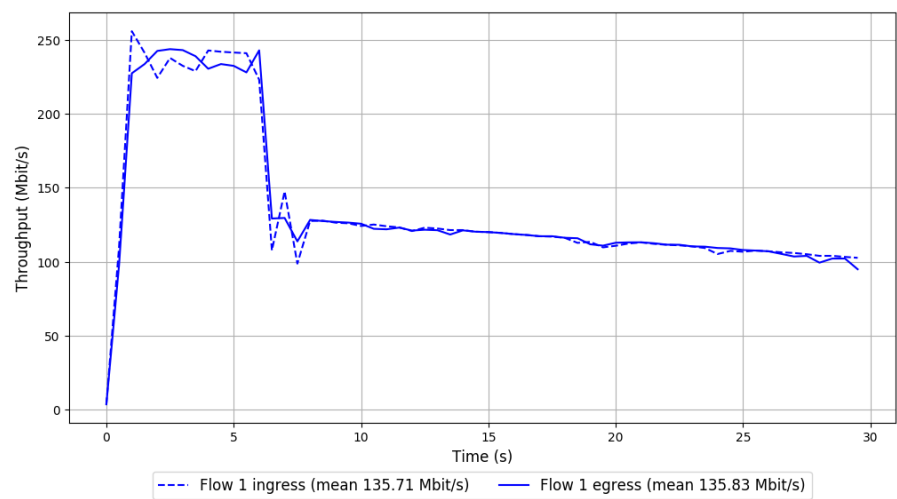
-- Flow 1:

Average throughput: 135.83 Mbit/s

95th percentile per-packet one-way delay: 56.568 ms

Loss rate: 0.25%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-24 11:48:10

End at: 2018-04-24 11:48:40

Below is generated by plot.py at 2018-04-24 16:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.81 Mbit/s

95th percentile per-packet one-way delay: 88.041 ms

Loss rate: 0.49%

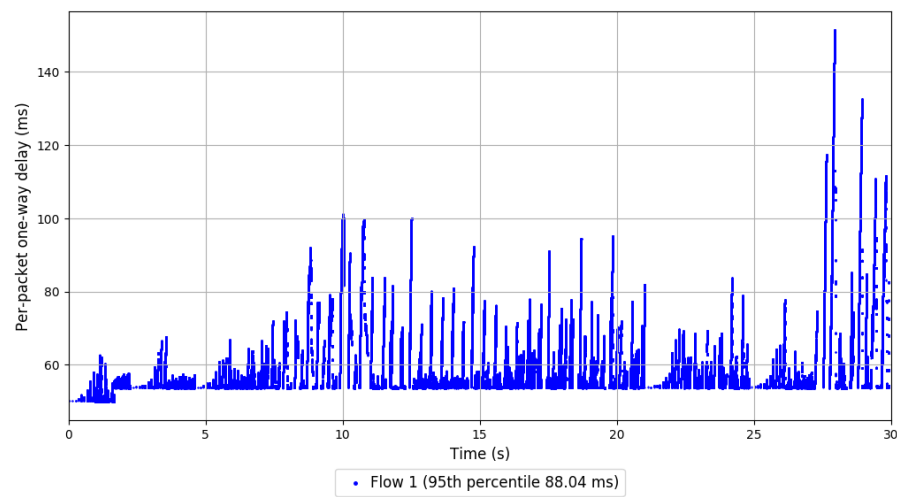
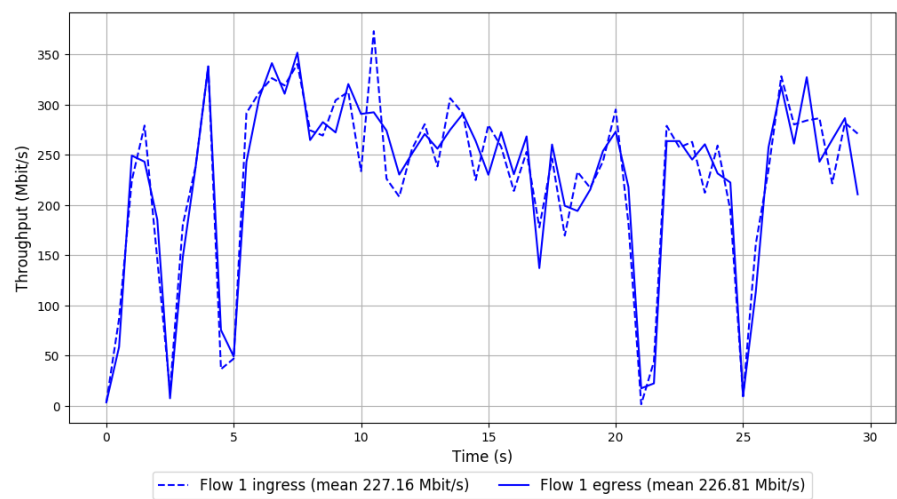
-- Flow 1:

Average throughput: 226.81 Mbit/s

95th percentile per-packet one-way delay: 88.041 ms

Loss rate: 0.49%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-24 12:00:59

End at: 2018-04-24 12:01:29

Below is generated by plot.py at 2018-04-24 16:46:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.09 Mbit/s

95th percentile per-packet one-way delay: 139.556 ms

Loss rate: 0.45%

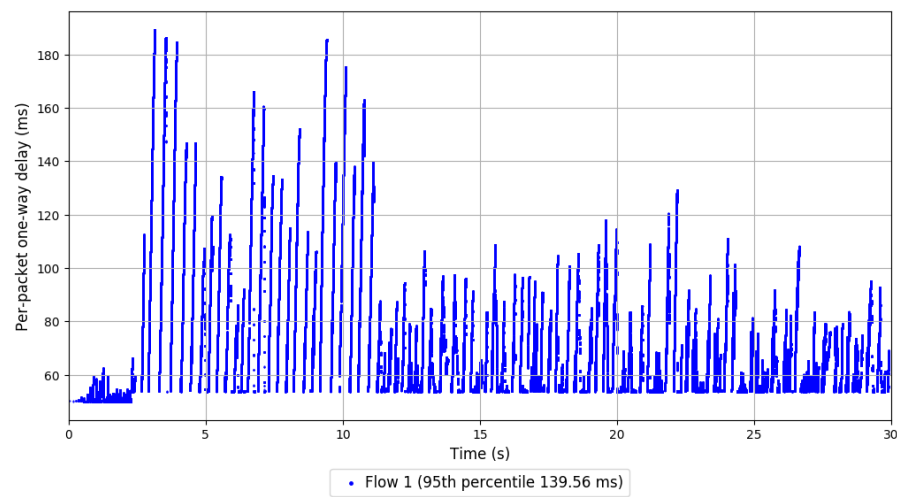
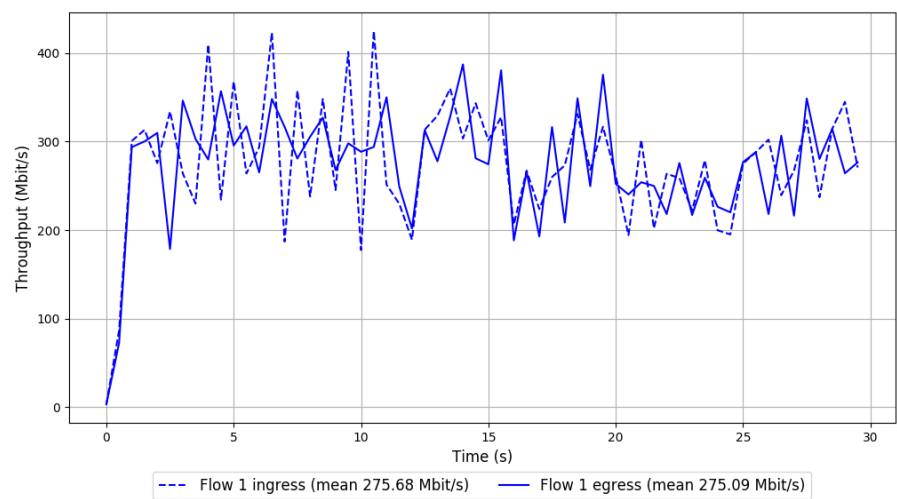
-- Flow 1:

Average throughput: 275.09 Mbit/s

95th percentile per-packet one-way delay: 139.556 ms

Loss rate: 0.45%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-24 12:14:13

End at: 2018-04-24 12:14:43

Below is generated by plot.py at 2018-04-24 16:46:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.26 Mbit/s

95th percentile per-packet one-way delay: 106.867 ms

Loss rate: 0.00%

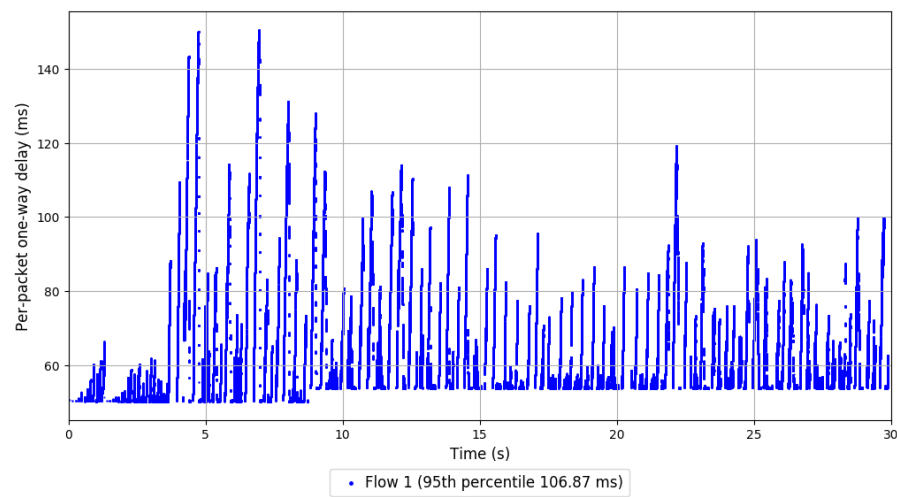
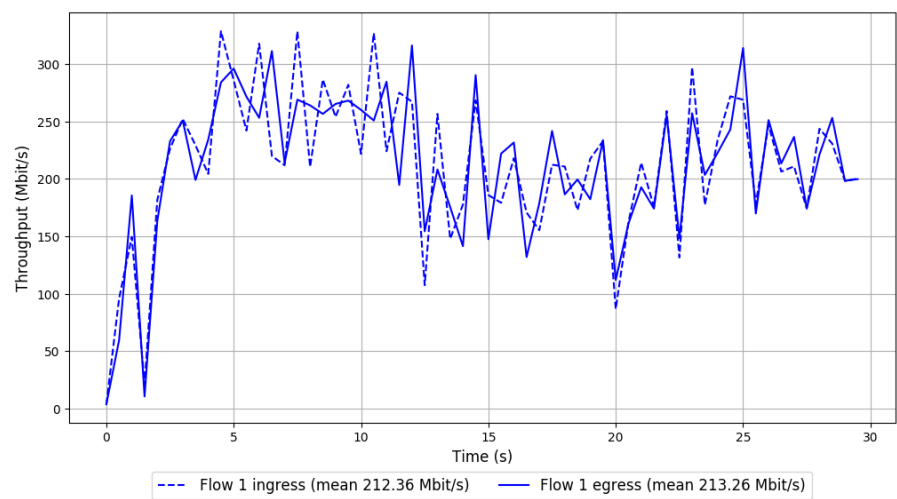
-- Flow 1:

Average throughput: 213.26 Mbit/s

95th percentile per-packet one-way delay: 106.867 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-24 12:27:23

End at: 2018-04-24 12:27:53

Below is generated by plot.py at 2018-04-24 16:46:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.81 Mbit/s

95th percentile per-packet one-way delay: 79.535 ms

Loss rate: 0.45%

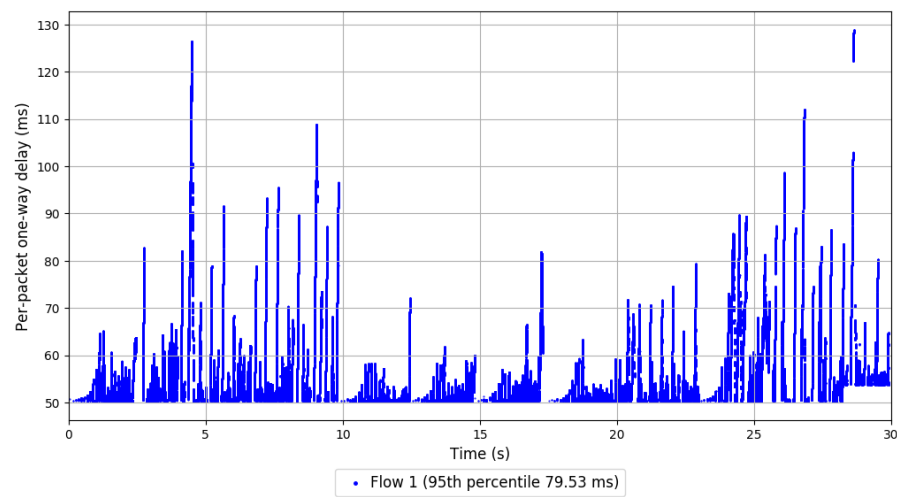
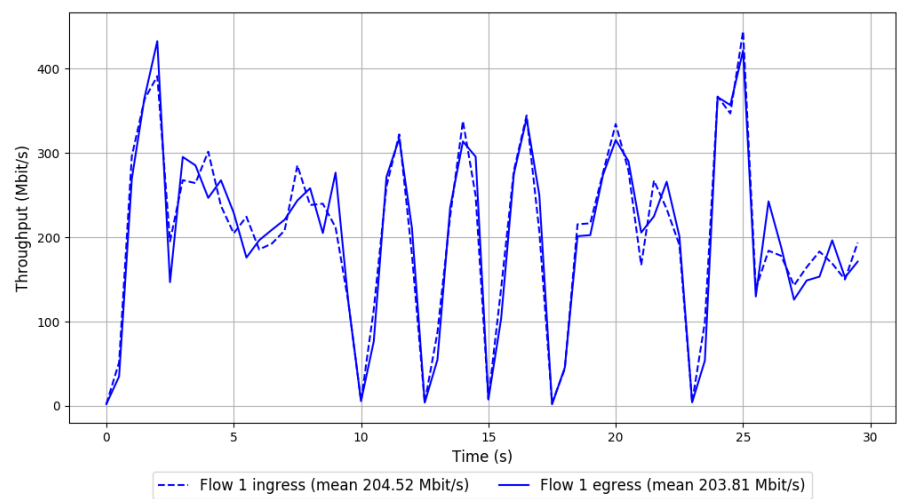
-- Flow 1:

Average throughput: 203.81 Mbit/s

95th percentile per-packet one-way delay: 79.535 ms

Loss rate: 0.45%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-24 12:40:36

End at: 2018-04-24 12:41:06

Below is generated by plot.py at 2018-04-24 16:46:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.60 Mbit/s

95th percentile per-packet one-way delay: 83.950 ms

Loss rate: 0.40%

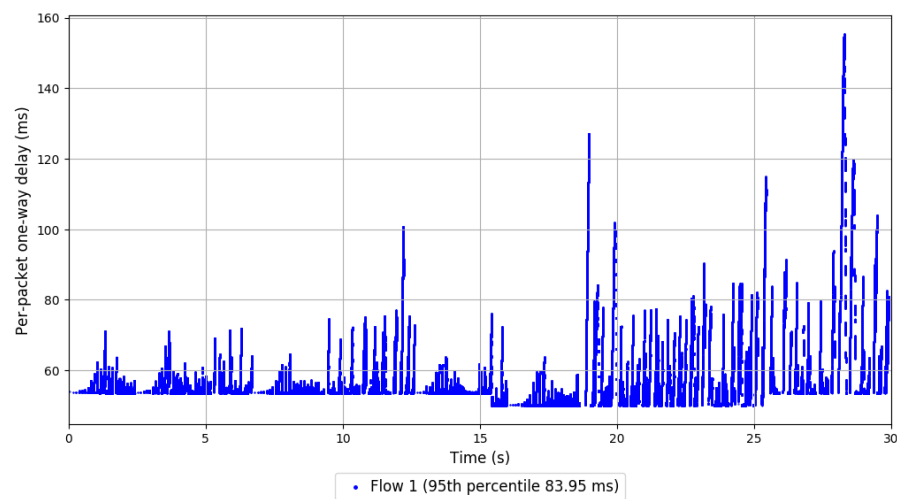
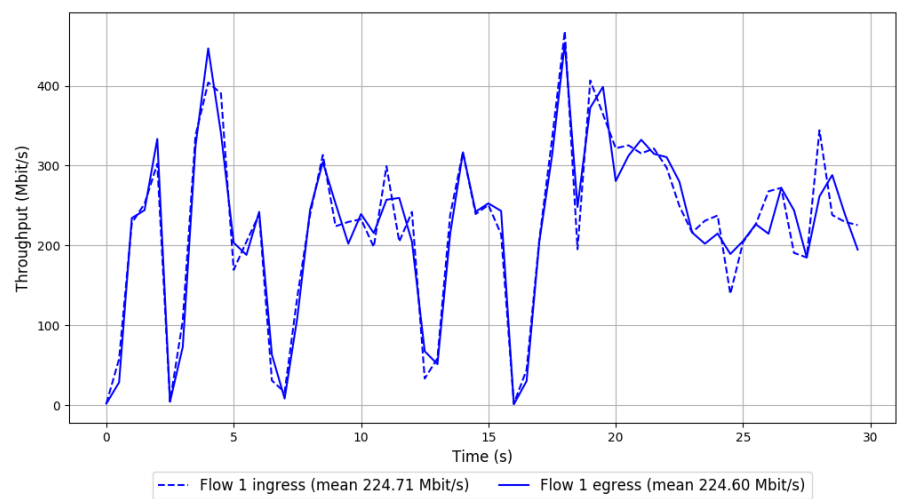
-- Flow 1:

Average throughput: 224.60 Mbit/s

95th percentile per-packet one-way delay: 83.950 ms

Loss rate: 0.40%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-24 12:53:24

End at: 2018-04-24 12:53:54

Below is generated by plot.py at 2018-04-24 16:46:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.16 Mbit/s

95th percentile per-packet one-way delay: 85.295 ms

Loss rate: 0.57%

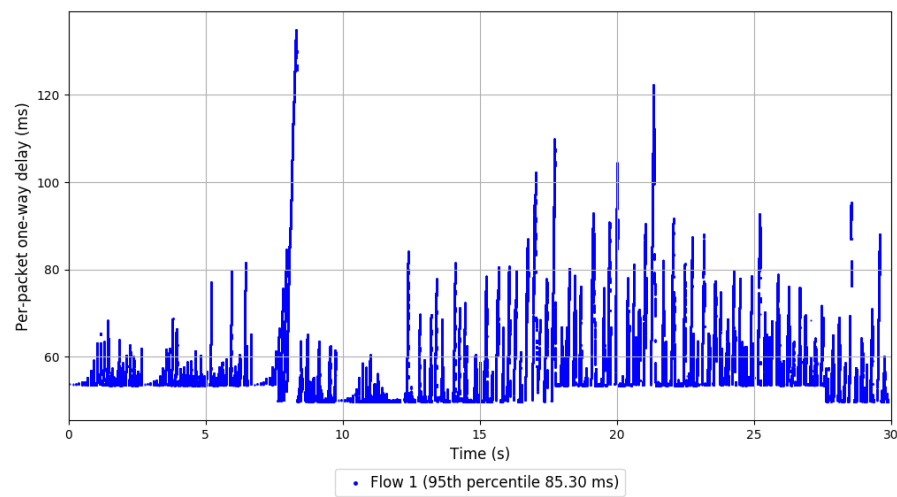
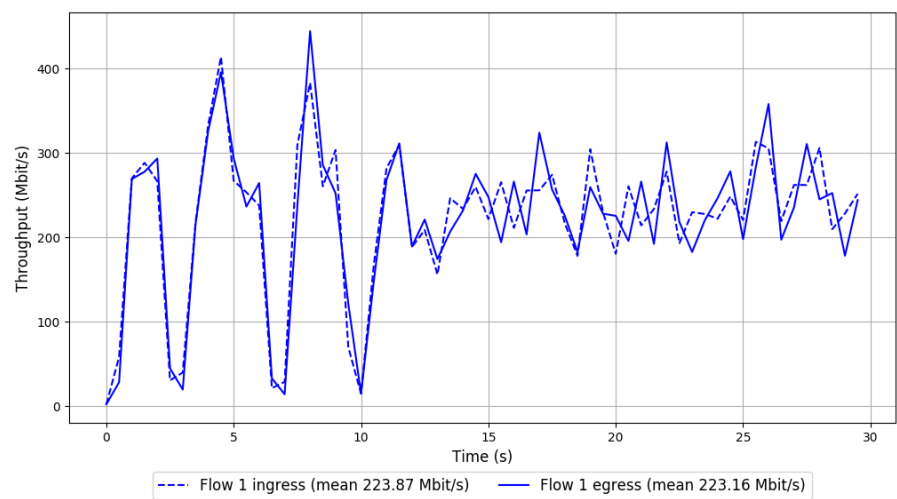
-- Flow 1:

Average throughput: 223.16 Mbit/s

95th percentile per-packet one-way delay: 85.295 ms

Loss rate: 0.57%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-24 13:06:28

End at: 2018-04-24 13:06:58

Below is generated by plot.py at 2018-04-24 16:47:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.42 Mbit/s

95th percentile per-packet one-way delay: 83.892 ms

Loss rate: 0.59%

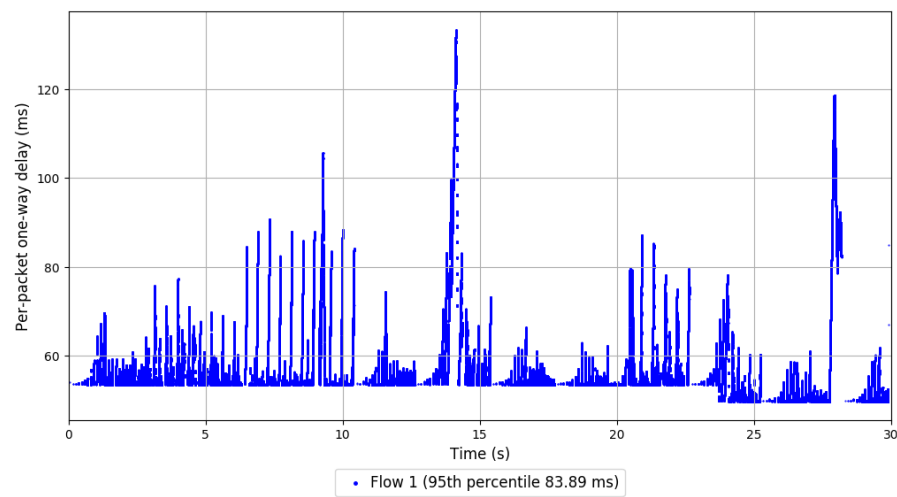
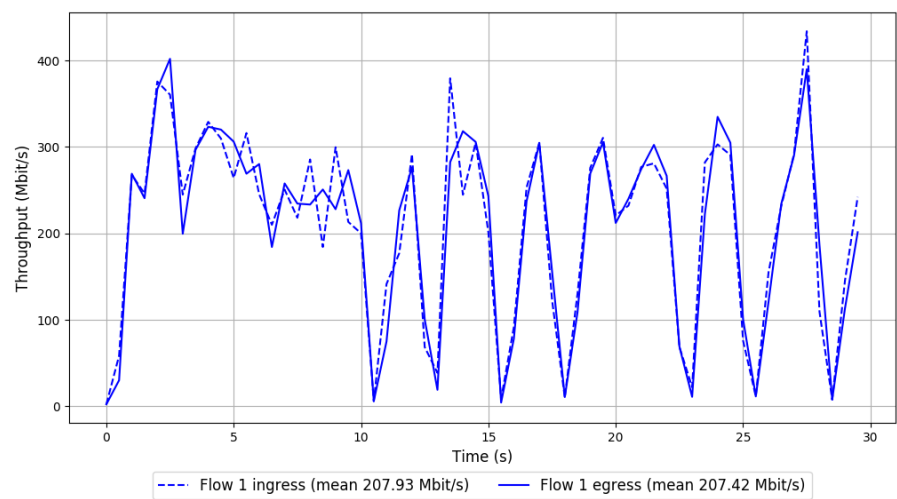
-- Flow 1:

Average throughput: 207.42 Mbit/s

95th percentile per-packet one-way delay: 83.892 ms

Loss rate: 0.59%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 13:19:18

End at: 2018-04-24 13:19:48

Below is generated by plot.py at 2018-04-24 16:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.10 Mbit/s

95th percentile per-packet one-way delay: 177.818 ms

Loss rate: 0.63%

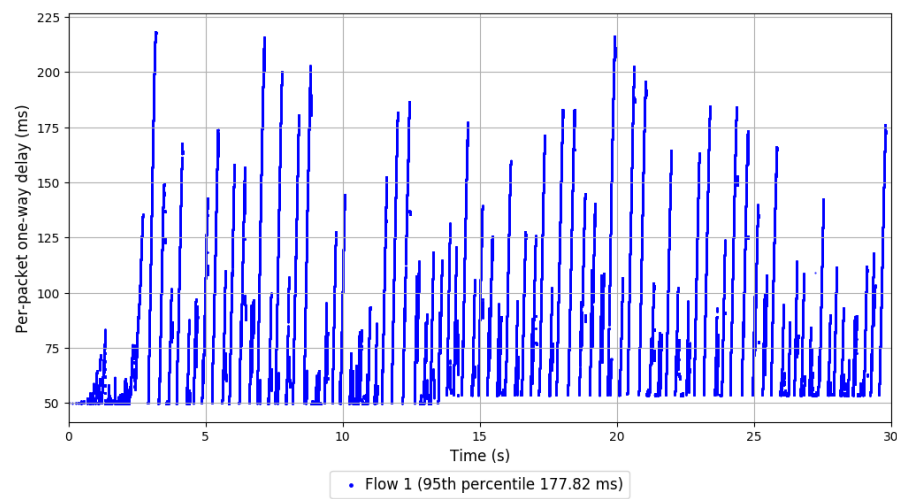
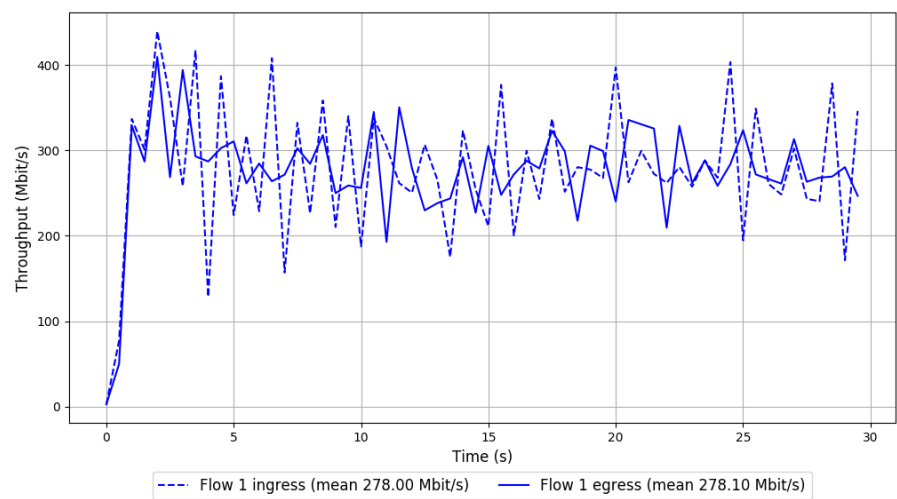
-- Flow 1:

Average throughput: 278.10 Mbit/s

95th percentile per-packet one-way delay: 177.818 ms

Loss rate: 0.63%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-24 13:32:15

End at: 2018-04-24 13:32:45

Below is generated by plot.py at 2018-04-24 16:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.69 Mbit/s

95th percentile per-packet one-way delay: 73.327 ms

Loss rate: 0.26%

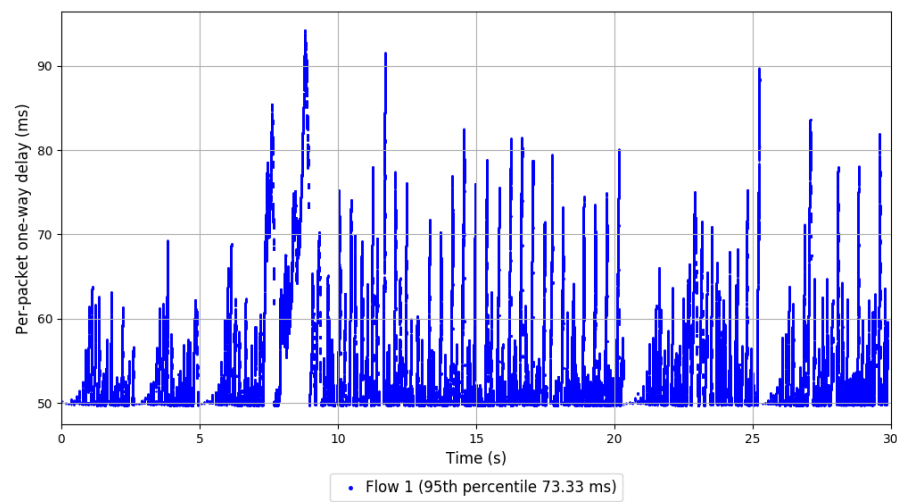
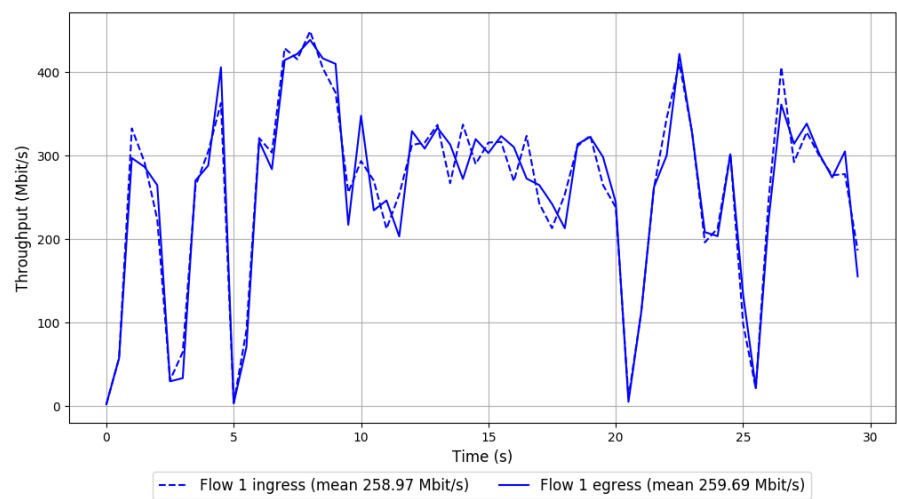
-- Flow 1:

Average throughput: 259.69 Mbit/s

95th percentile per-packet one-way delay: 73.327 ms

Loss rate: 0.26%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 13:45:22

End at: 2018-04-24 13:45:52

Below is generated by plot.py at 2018-04-24 16:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.96 Mbit/s

95th percentile per-packet one-way delay: 112.704 ms

Loss rate: 0.00%

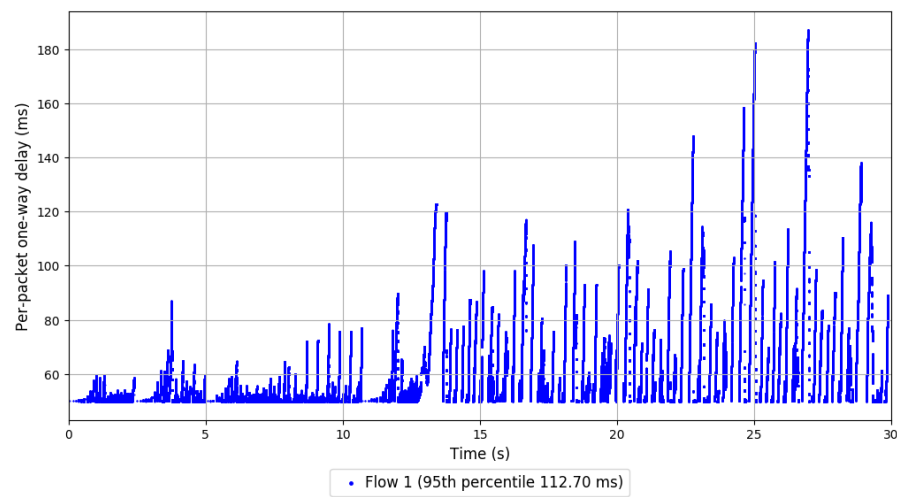
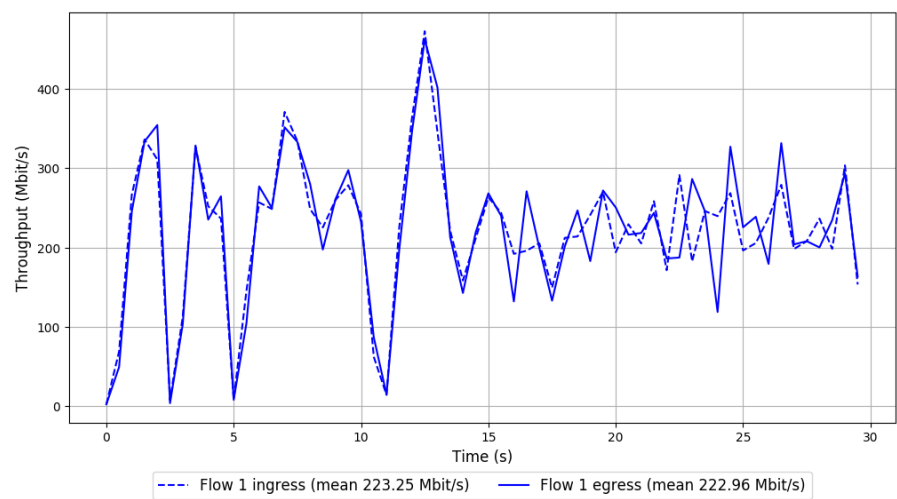
-- Flow 1:

Average throughput: 222.96 Mbit/s

95th percentile per-packet one-way delay: 112.704 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-24 11:49:00

End at: 2018-04-24 11:49:30

Below is generated by plot.py at 2018-04-24 16:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.77 Mbit/s

95th percentile per-packet one-way delay: 53.691 ms

Loss rate: 0.07%

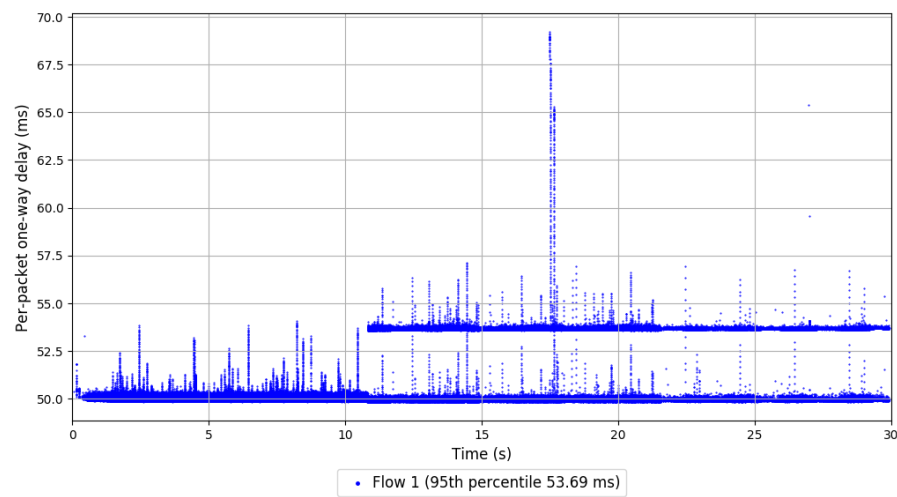
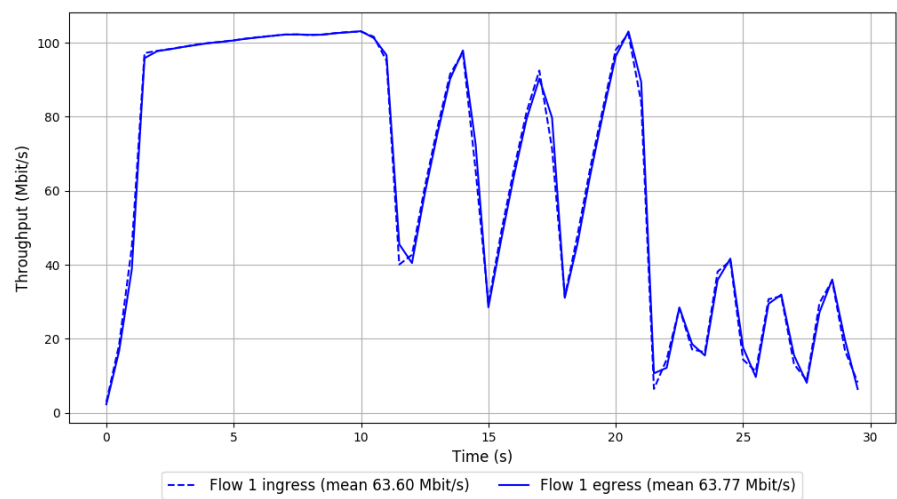
-- Flow 1:

Average throughput: 63.77 Mbit/s

95th percentile per-packet one-way delay: 53.691 ms

Loss rate: 0.07%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-24 12:01:53

End at: 2018-04-24 12:02:23

Below is generated by plot.py at 2018-04-24 16:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.75 Mbit/s

95th percentile per-packet one-way delay: 53.848 ms

Loss rate: 0.12%

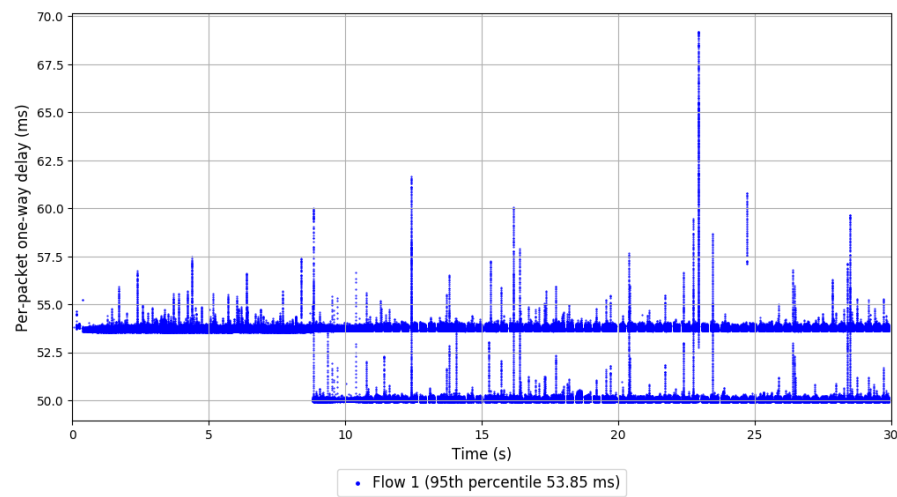
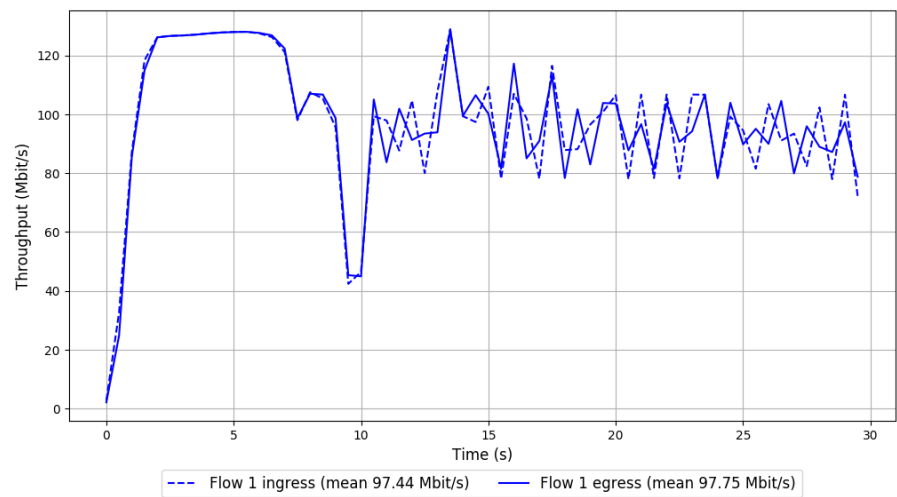
-- Flow 1:

Average throughput: 97.75 Mbit/s

95th percentile per-packet one-way delay: 53.848 ms

Loss rate: 0.12%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-24 12:15:02

End at: 2018-04-24 12:15:32

Below is generated by plot.py at 2018-04-24 16:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.53 Mbit/s

95th percentile per-packet one-way delay: 53.852 ms

Loss rate: 0.05%

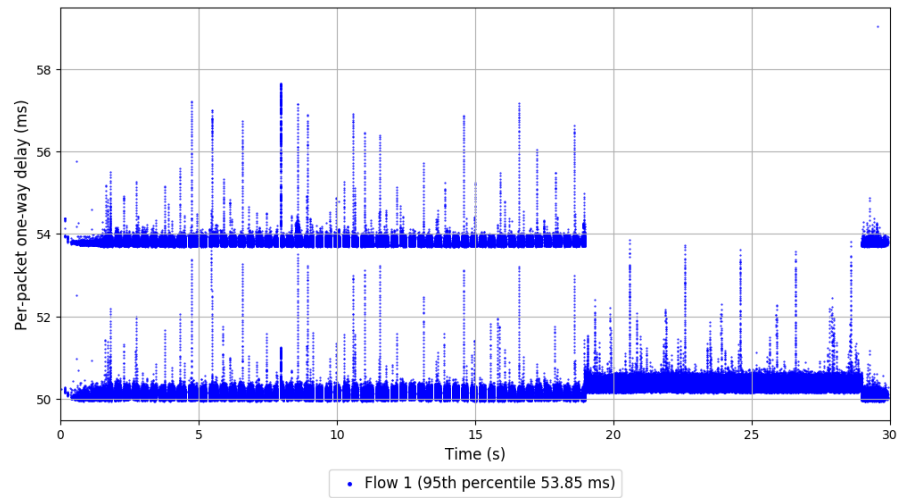
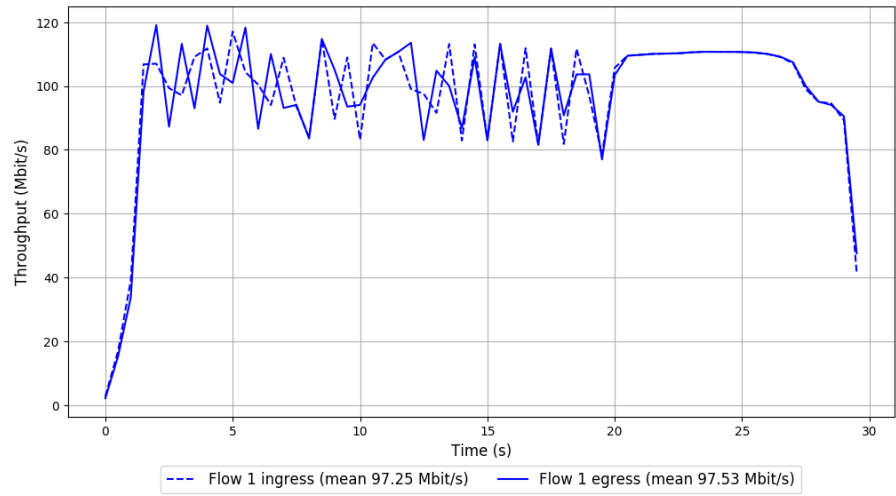
-- Flow 1:

Average throughput: 97.53 Mbit/s

95th percentile per-packet one-way delay: 53.852 ms

Loss rate: 0.05%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-24 12:28:12

End at: 2018-04-24 12:28:42

Below is generated by plot.py at 2018-04-24 16:49:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 53.898 ms

Loss rate: 0.29%

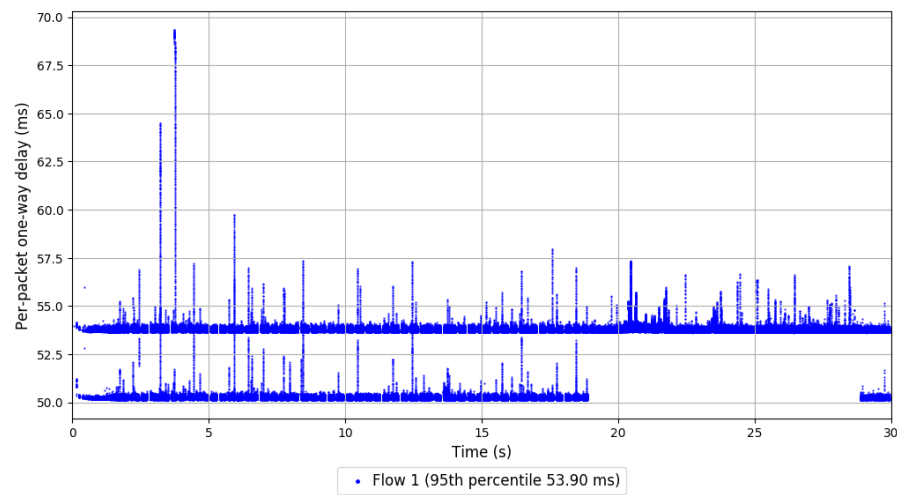
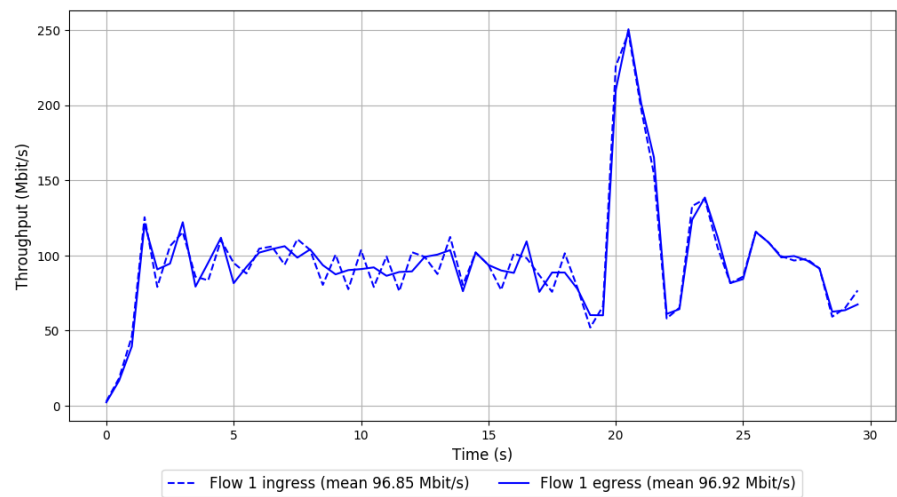
-- Flow 1:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 53.898 ms

Loss rate: 0.29%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-24 12:41:26

End at: 2018-04-24 12:41:56

Below is generated by plot.py at 2018-04-24 16:49:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 53.629 ms

Loss rate: 0.06%

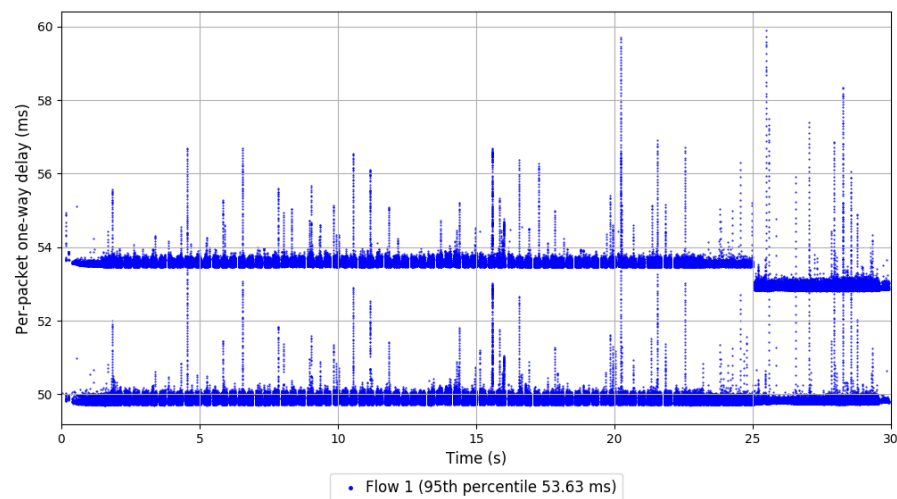
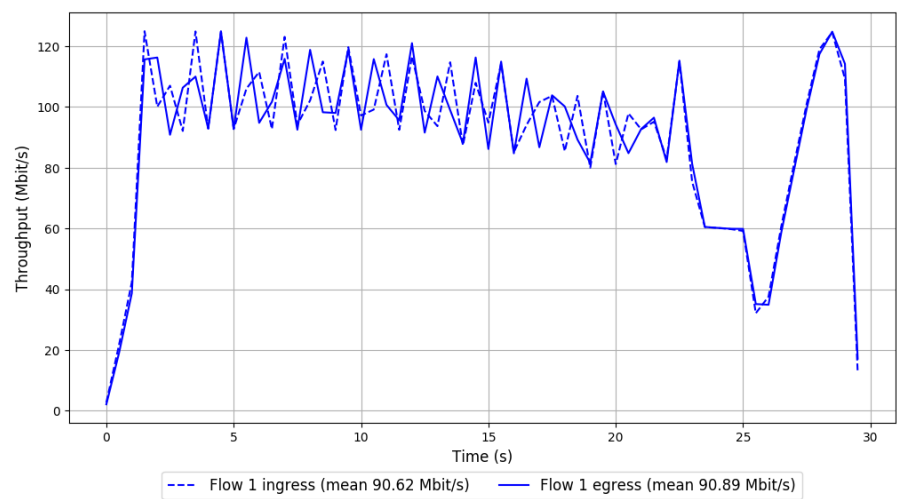
-- Flow 1:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 53.629 ms

Loss rate: 0.06%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-24 12:54:14

End at: 2018-04-24 12:54:44

Below is generated by plot.py at 2018-04-24 16:55:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.20 Mbit/s

95th percentile per-packet one-way delay: 243.133 ms

Loss rate: 13.83%

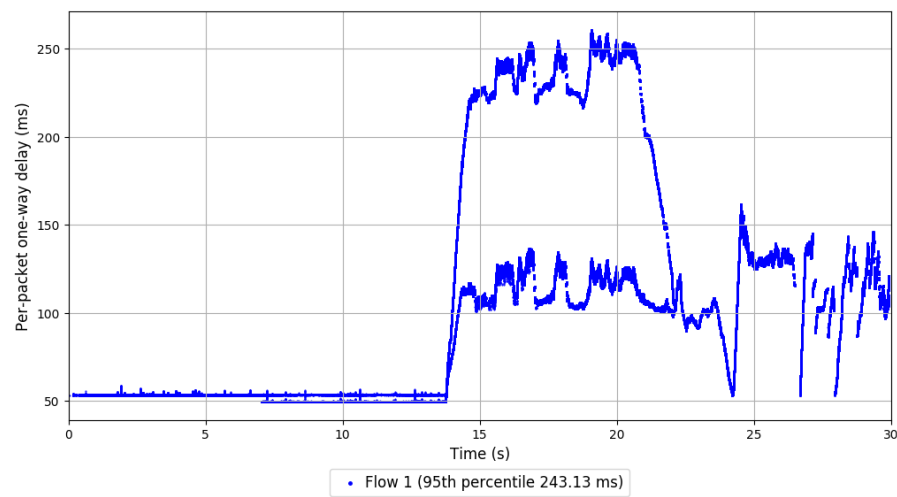
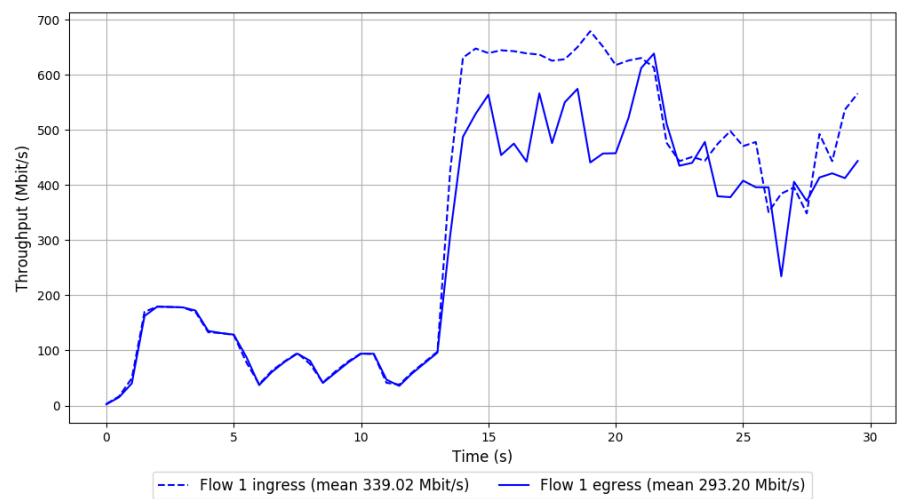
-- Flow 1:

Average throughput: 293.20 Mbit/s

95th percentile per-packet one-way delay: 243.133 ms

Loss rate: 13.83%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-24 13:07:17

End at: 2018-04-24 13:07:47

Below is generated by plot.py at 2018-04-24 16:55:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.06 Mbit/s

95th percentile per-packet one-way delay: 53.535 ms

Loss rate: 0.04%

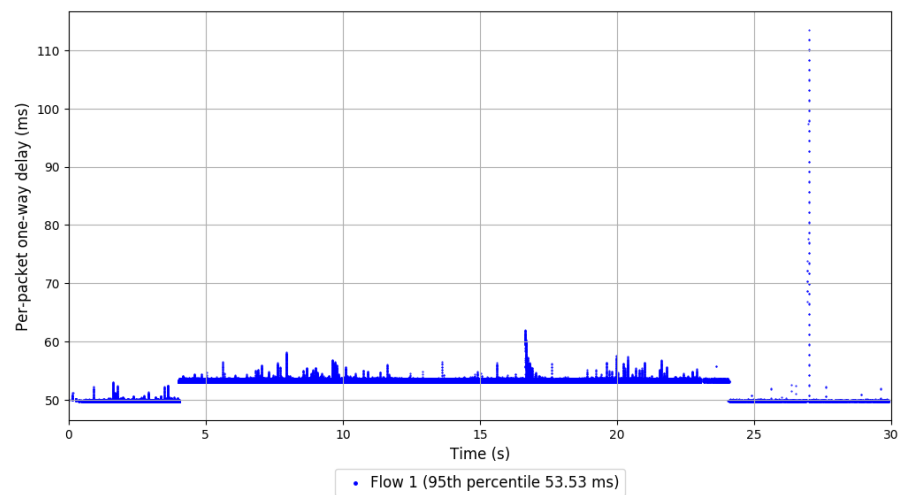
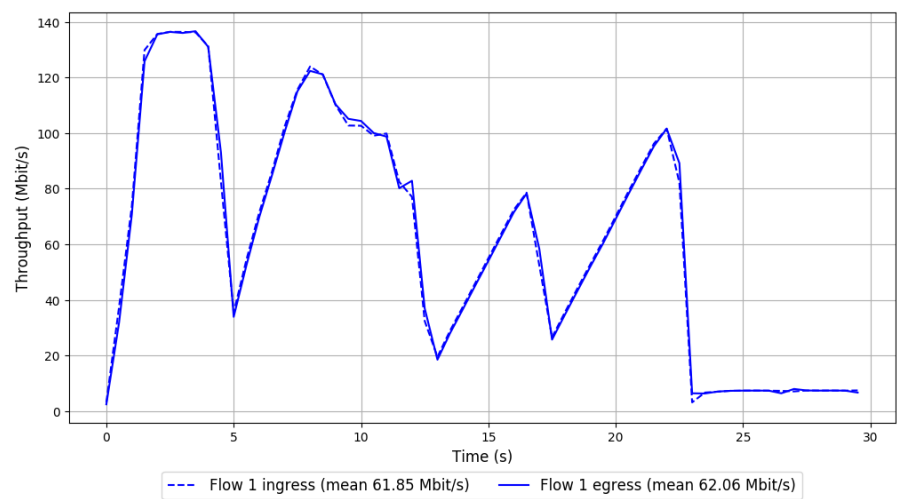
-- Flow 1:

Average throughput: 62.06 Mbit/s

95th percentile per-packet one-way delay: 53.535 ms

Loss rate: 0.04%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 13:20:12

End at: 2018-04-24 13:20:42

Below is generated by plot.py at 2018-04-24 16:55:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.80 Mbit/s

95th percentile per-packet one-way delay: 53.565 ms

Loss rate: 0.35%

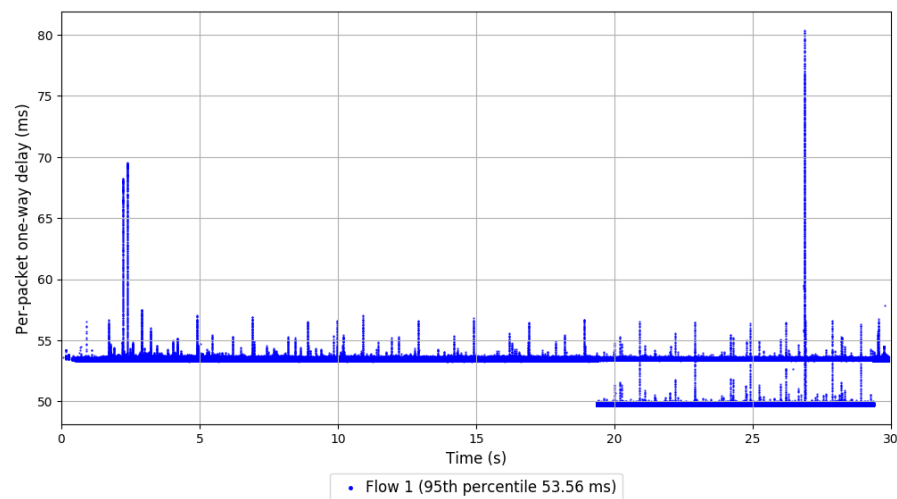
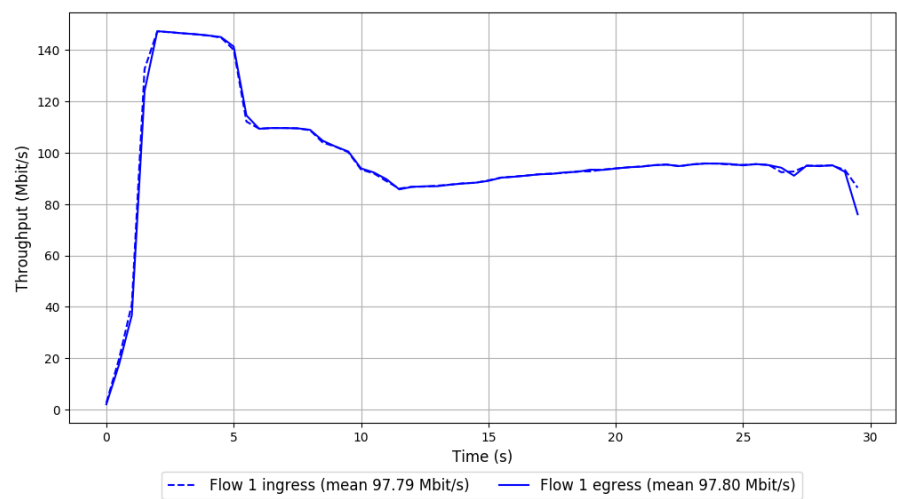
-- Flow 1:

Average throughput: 97.80 Mbit/s

95th percentile per-packet one-way delay: 53.565 ms

Loss rate: 0.35%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 13:33:07

End at: 2018-04-24 13:33:37

Below is generated by plot.py at 2018-04-24 16:55:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 53.694 ms

Loss rate: 0.50%

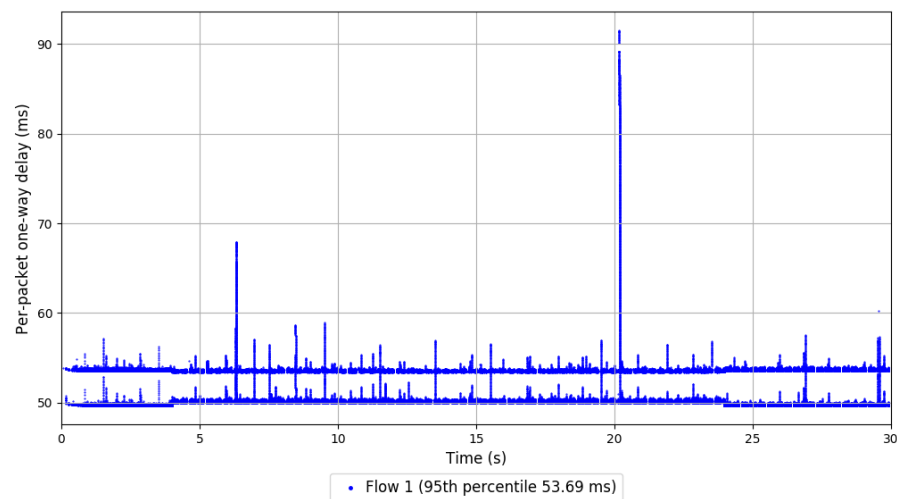
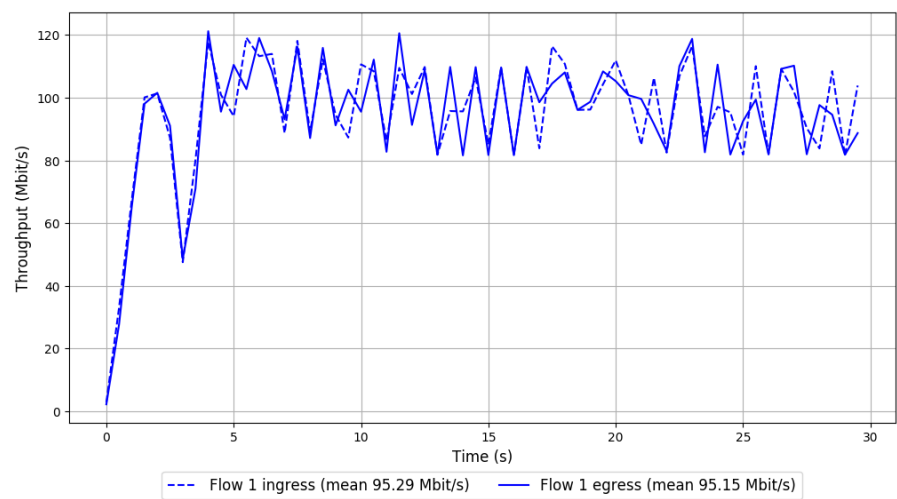
-- Flow 1:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 53.694 ms

Loss rate: 0.50%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 13:46:12

End at: 2018-04-24 13:46:42

Below is generated by plot.py at 2018-04-24 16:55:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.38 Mbit/s

95th percentile per-packet one-way delay: 53.582 ms

Loss rate: 0.09%

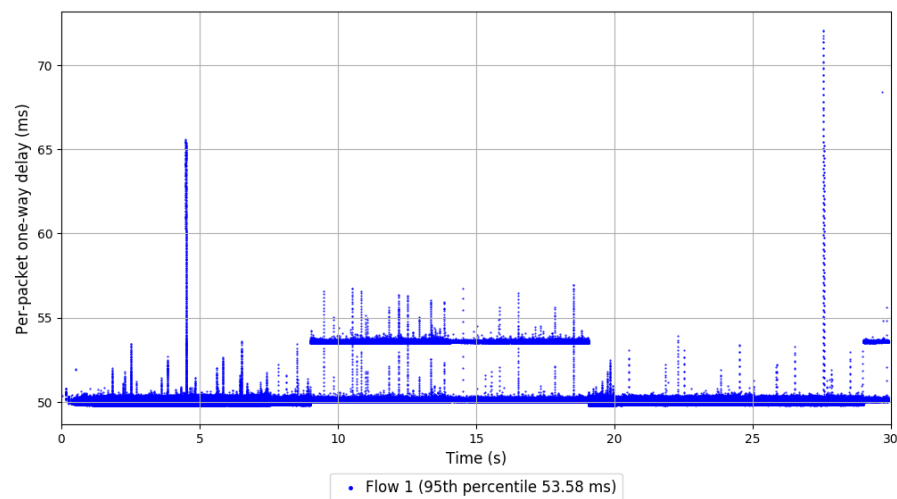
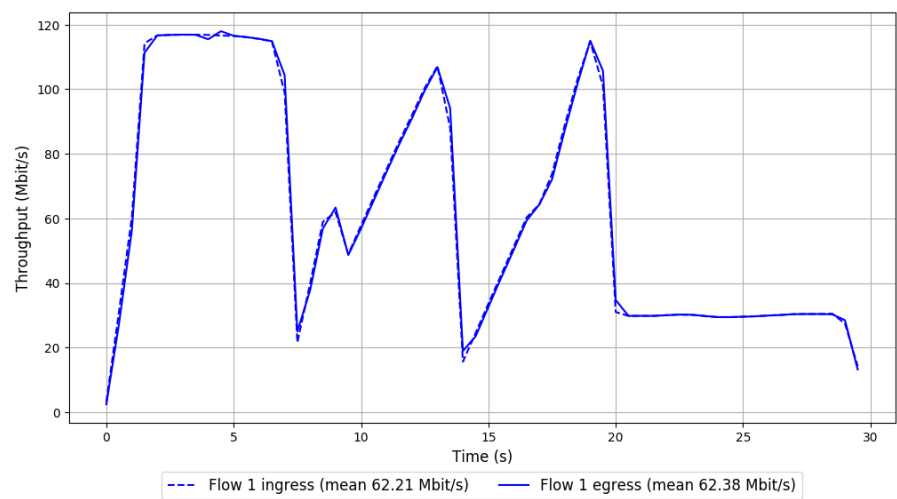
-- Flow 1:

Average throughput: 62.38 Mbit/s

95th percentile per-packet one-way delay: 53.582 ms

Loss rate: 0.09%

Run 10: Report of Copa — Data Link

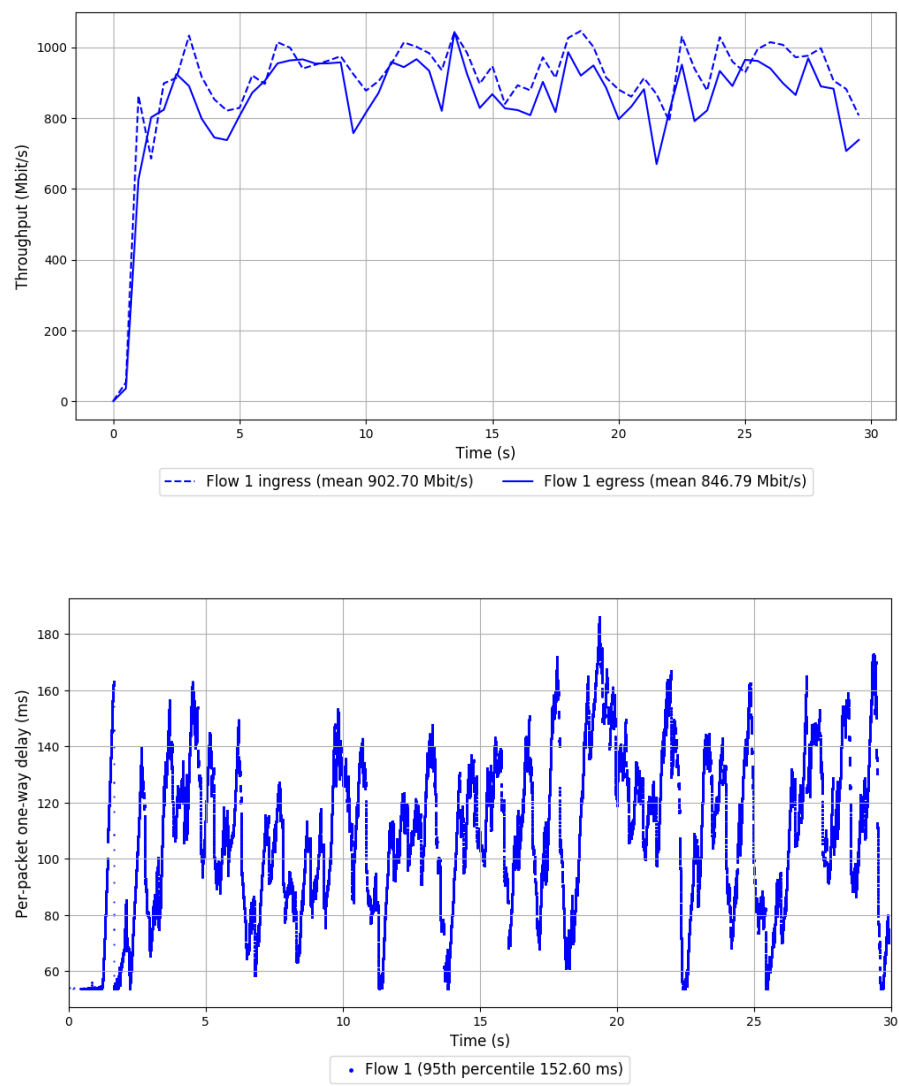


```
Run 1: Statistics of FillP

Start at: 2018-04-24 11:57:51
End at: 2018-04-24 11:58:21

# Below is generated by plot.py at 2018-04-24 17:04:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 846.79 Mbit/s
95th percentile per-packet one-way delay: 152.600 ms
Loss rate: 6.53%
-- Flow 1:
Average throughput: 846.79 Mbit/s
95th percentile per-packet one-way delay: 152.600 ms
Loss rate: 6.53%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-24 12:11:04

End at: 2018-04-24 12:11:34

Below is generated by plot.py at 2018-04-24 17:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 842.29 Mbit/s

95th percentile per-packet one-way delay: 253.260 ms

Loss rate: 6.91%

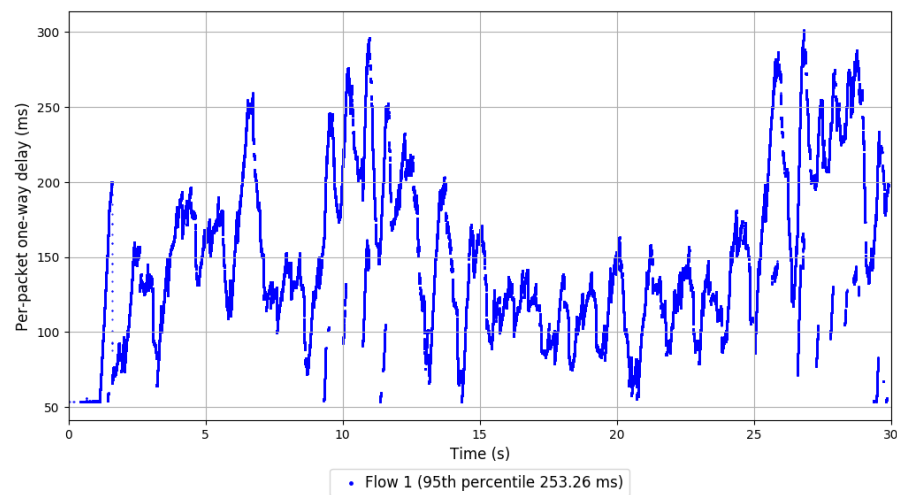
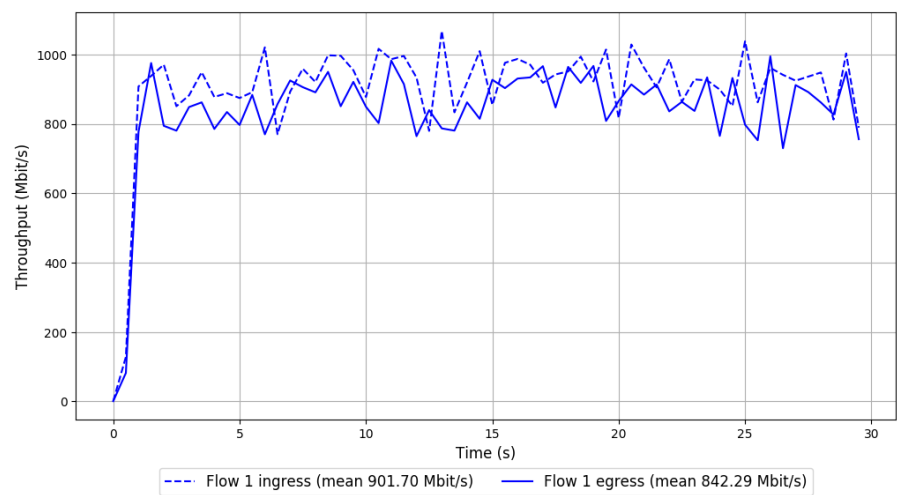
-- Flow 1:

Average throughput: 842.29 Mbit/s

95th percentile per-packet one-way delay: 253.260 ms

Loss rate: 6.91%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-24 12:24:15

End at: 2018-04-24 12:24:45

Below is generated by plot.py at 2018-04-24 17:04:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 846.15 Mbit/s

95th percentile per-packet one-way delay: 183.037 ms

Loss rate: 6.64%

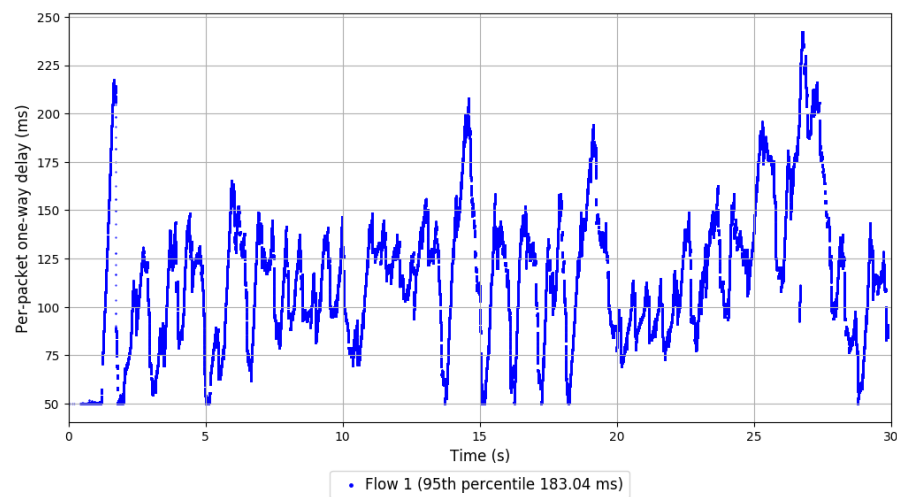
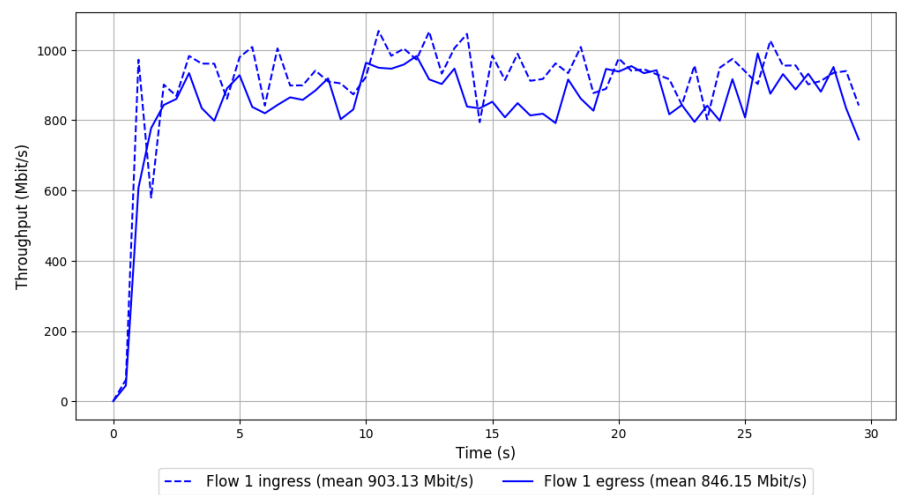
-- Flow 1:

Average throughput: 846.15 Mbit/s

95th percentile per-packet one-way delay: 183.037 ms

Loss rate: 6.64%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-24 12:37:28

End at: 2018-04-24 12:37:59

Below is generated by plot.py at 2018-04-24 17:04:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 846.94 Mbit/s

95th percentile per-packet one-way delay: 144.841 ms

Loss rate: 5.95%

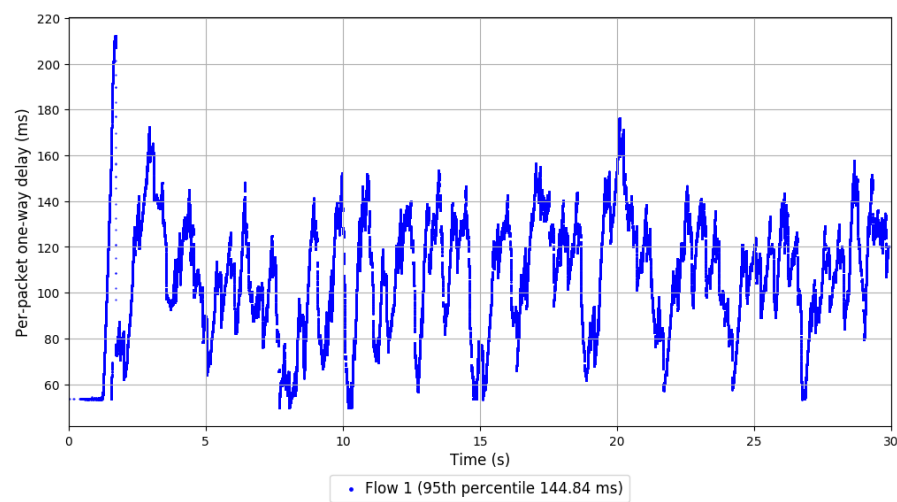
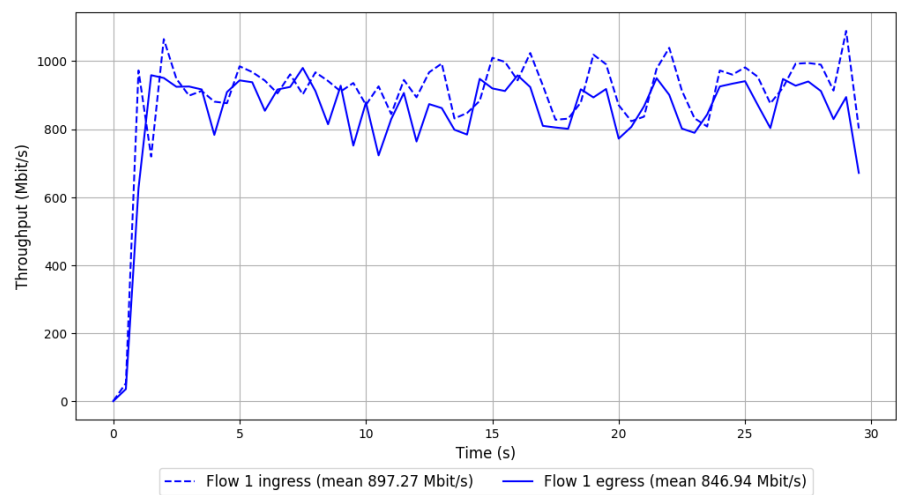
-- Flow 1:

Average throughput: 846.94 Mbit/s

95th percentile per-packet one-way delay: 144.841 ms

Loss rate: 5.95%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-24 12:50:16

End at: 2018-04-24 12:50:46

Below is generated by plot.py at 2018-04-24 17:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 839.72 Mbit/s

95th percentile per-packet one-way delay: 189.903 ms

Loss rate: 6.61%

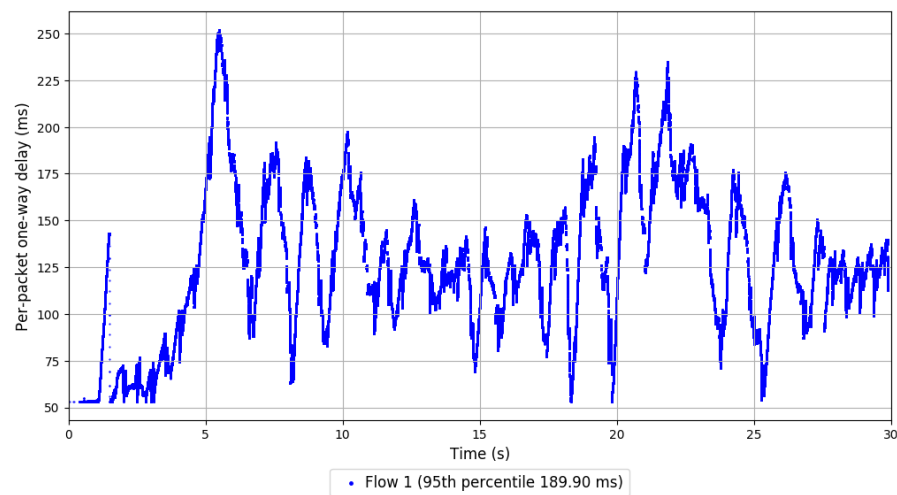
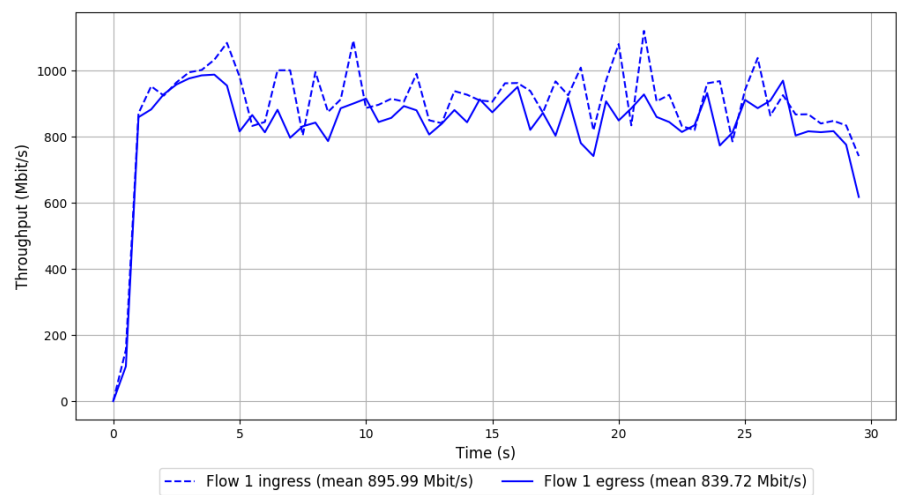
-- Flow 1:

Average throughput: 839.72 Mbit/s

95th percentile per-packet one-way delay: 189.903 ms

Loss rate: 6.61%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 13:03:20

End at: 2018-04-24 13:03:50

Below is generated by plot.py at 2018-04-24 17:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 851.04 Mbit/s

95th percentile per-packet one-way delay: 156.092 ms

Loss rate: 6.81%

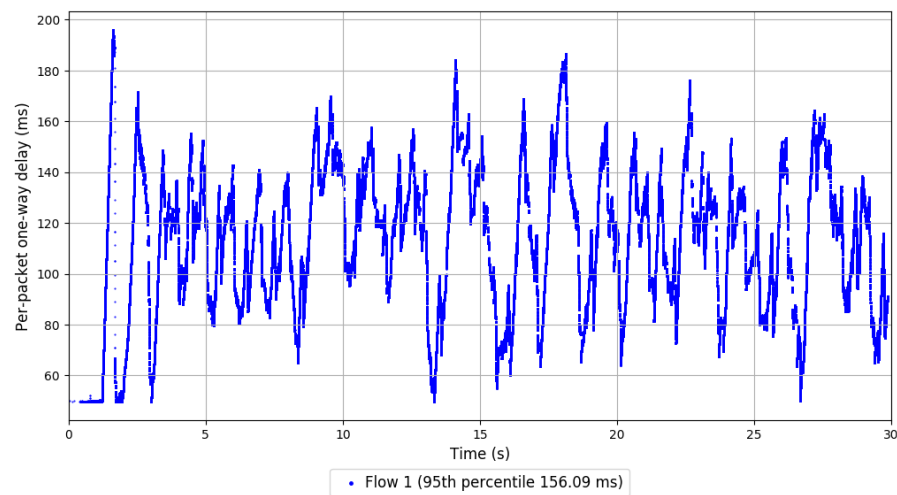
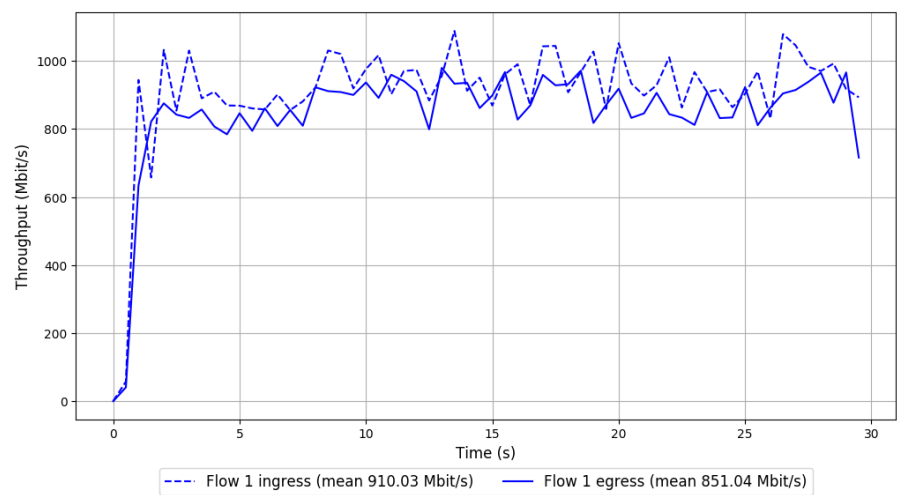
-- Flow 1:

Average throughput: 851.04 Mbit/s

95th percentile per-packet one-way delay: 156.092 ms

Loss rate: 6.81%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-24 13:16:09

End at: 2018-04-24 13:16:39

Below is generated by plot.py at 2018-04-24 17:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 882.82 Mbit/s

95th percentile per-packet one-way delay: 172.155 ms

Loss rate: 6.39%

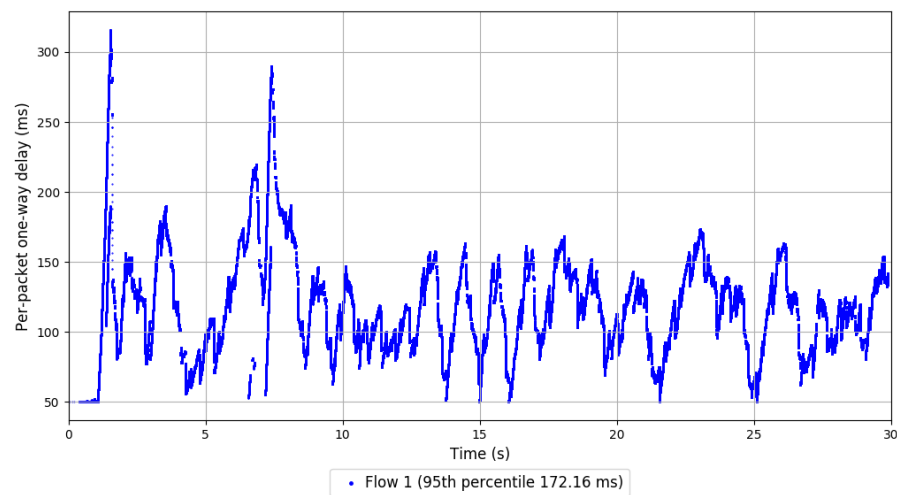
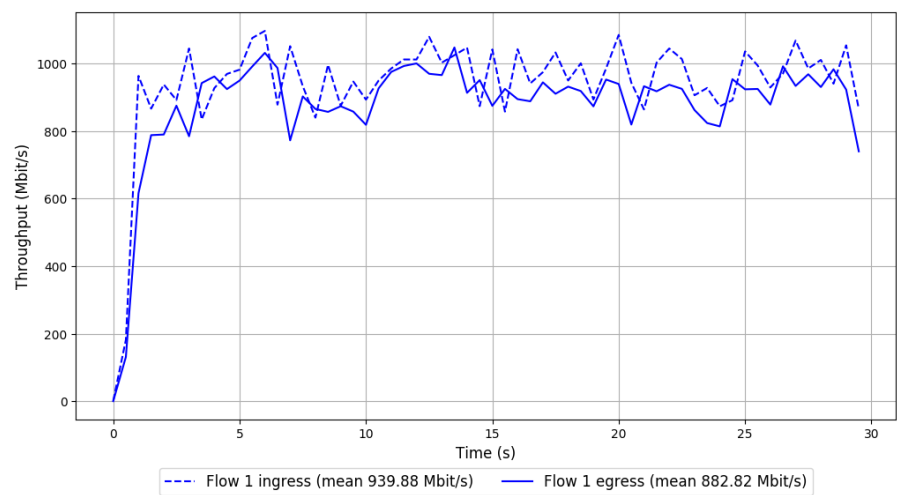
-- Flow 1:

Average throughput: 882.82 Mbit/s

95th percentile per-packet one-way delay: 172.155 ms

Loss rate: 6.39%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 13:29:10

End at: 2018-04-24 13:29:40

Below is generated by plot.py at 2018-04-24 17:11:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 765.48 Mbit/s

95th percentile per-packet one-way delay: 200.806 ms

Loss rate: 4.96%

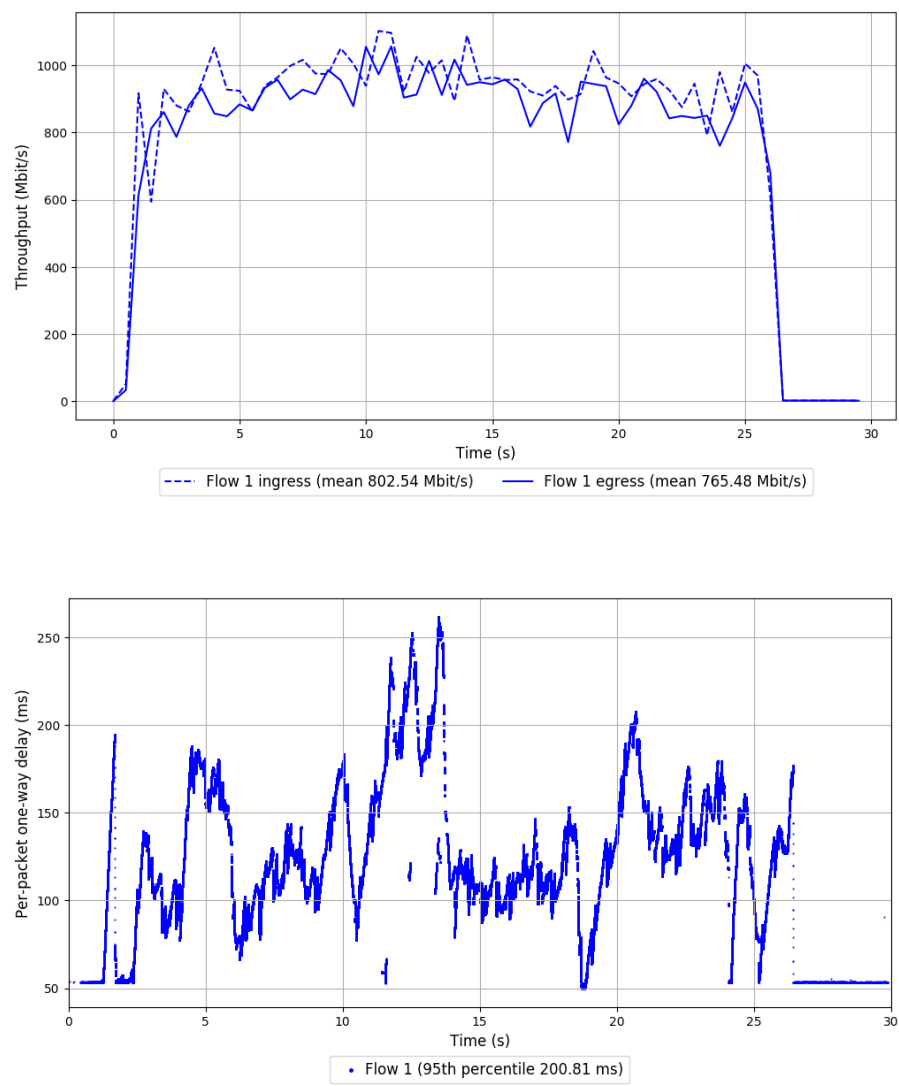
-- Flow 1:

Average throughput: 765.48 Mbit/s

95th percentile per-packet one-way delay: 200.806 ms

Loss rate: 4.96%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 13:42:14

End at: 2018-04-24 13:42:44

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 868.27 Mbit/s

95th percentile per-packet one-way delay: 164.509 ms

Loss rate: 4.61%

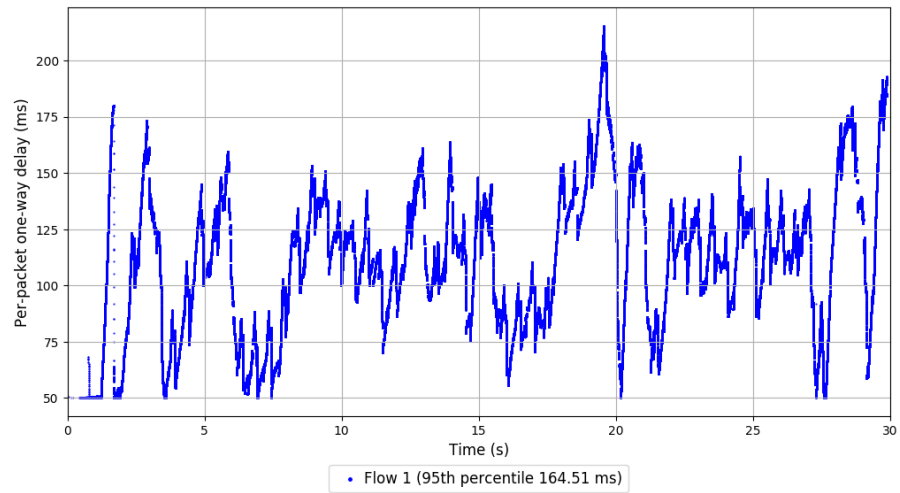
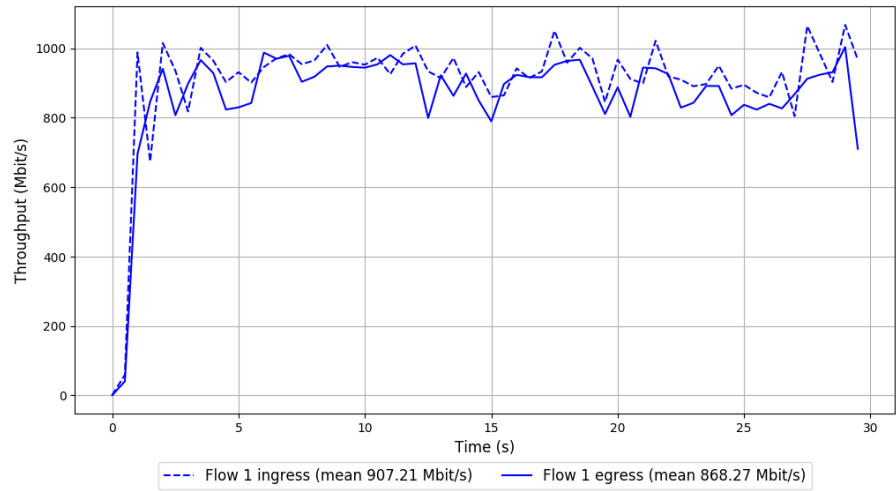
-- Flow 1:

Average throughput: 868.27 Mbit/s

95th percentile per-packet one-way delay: 164.509 ms

Loss rate: 4.61%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 13:55:15

End at: 2018-04-24 13:55:45

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 826.33 Mbit/s

95th percentile per-packet one-way delay: 201.823 ms

Loss rate: 6.86%

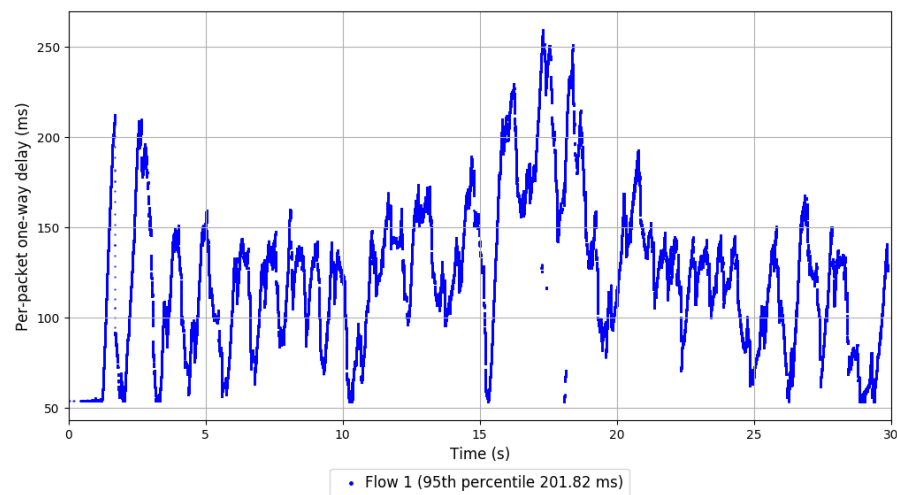
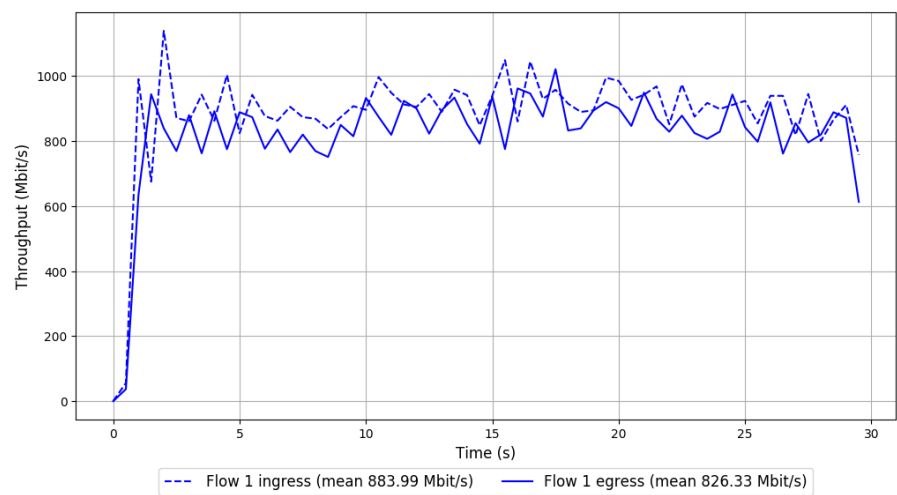
-- Flow 1:

Average throughput: 826.33 Mbit/s

95th percentile per-packet one-way delay: 201.823 ms

Loss rate: 6.86%

Run 10: Report of FillP — Data Link

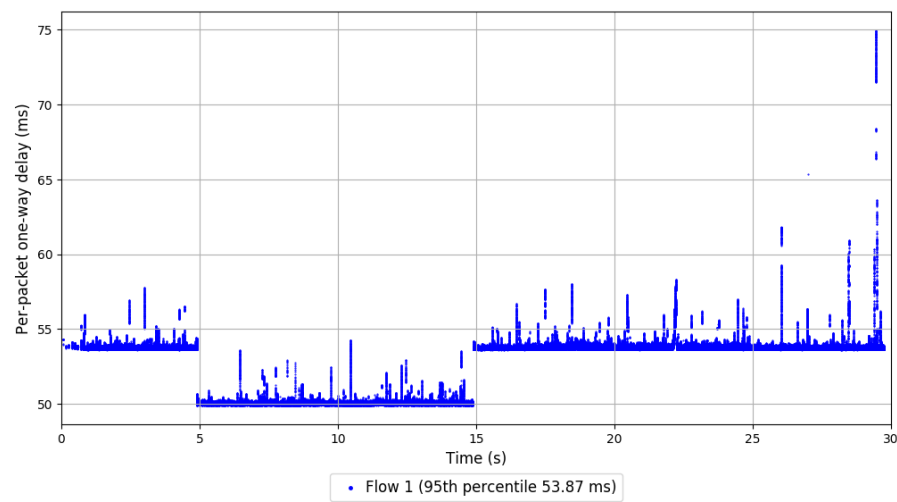
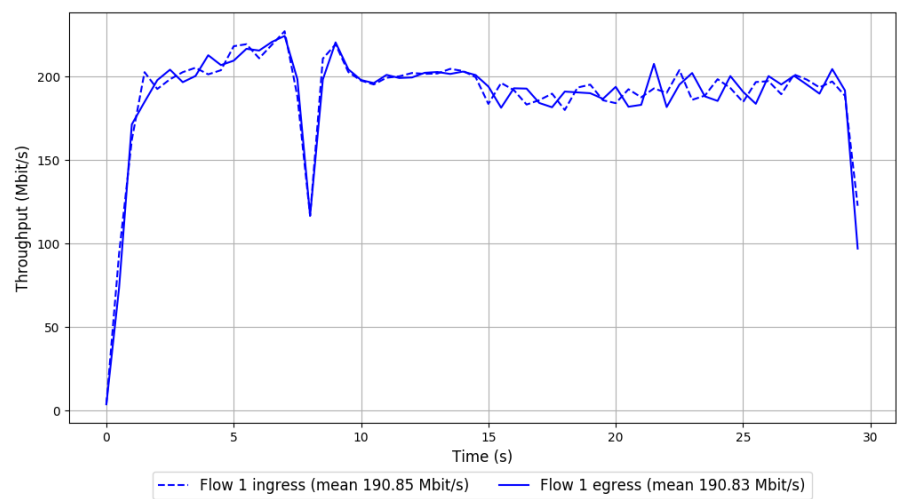


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 11:56:26
End at: 2018-04-24 11:56:56

# Below is generated by plot.py at 2018-04-24 17:19:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.83 Mbit/s
95th percentile per-packet one-way delay: 53.868 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 190.83 Mbit/s
95th percentile per-packet one-way delay: 53.868 ms
Loss rate: 0.36%
```

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

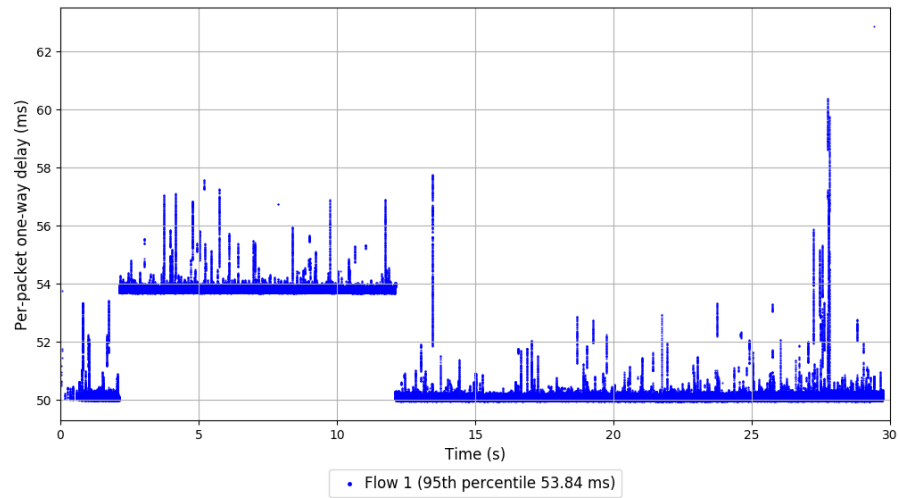
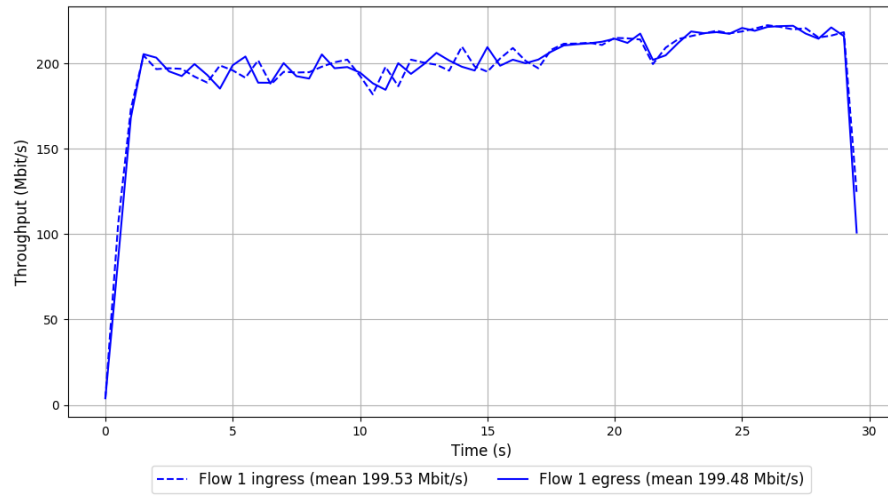


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 12:09:39
End at: 2018-04-24 12:10:09

# Below is generated by plot.py at 2018-04-24 17:19:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.48 Mbit/s
95th percentile per-packet one-way delay: 53.835 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 199.48 Mbit/s
95th percentile per-packet one-way delay: 53.835 ms
Loss rate: 0.38%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 12:22:49

End at: 2018-04-24 12:23:19

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.47 Mbit/s

95th percentile per-packet one-way delay: 53.858 ms

Loss rate: 0.34%

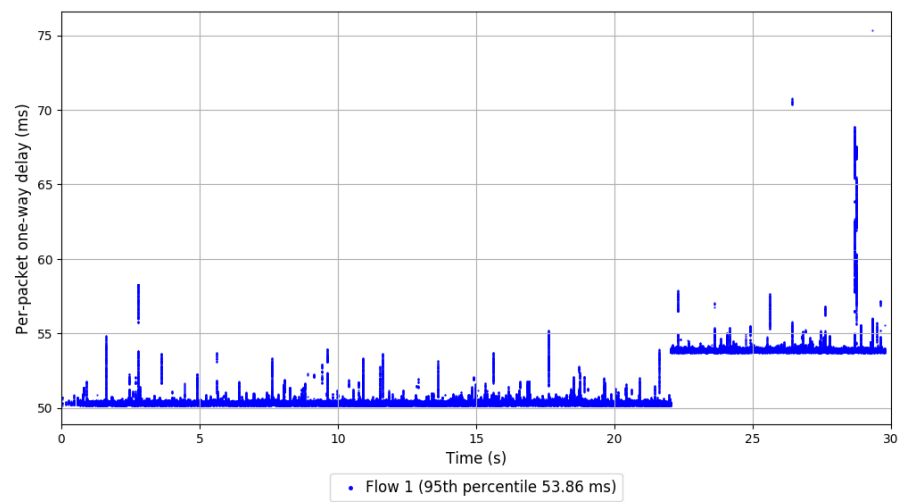
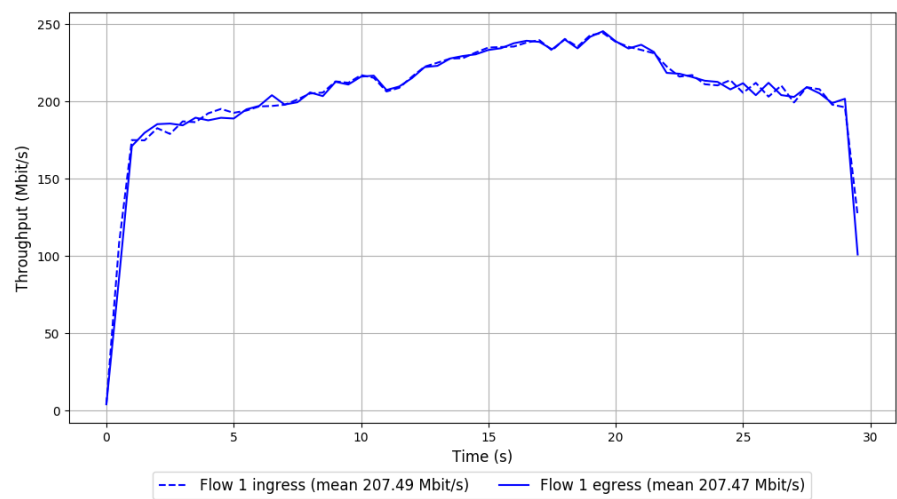
-- Flow 1:

Average throughput: 207.47 Mbit/s

95th percentile per-packet one-way delay: 53.858 ms

Loss rate: 0.34%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 12:36:02

End at: 2018-04-24 12:36:32

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.64 Mbit/s

95th percentile per-packet one-way delay: 53.704 ms

Loss rate: 0.39%

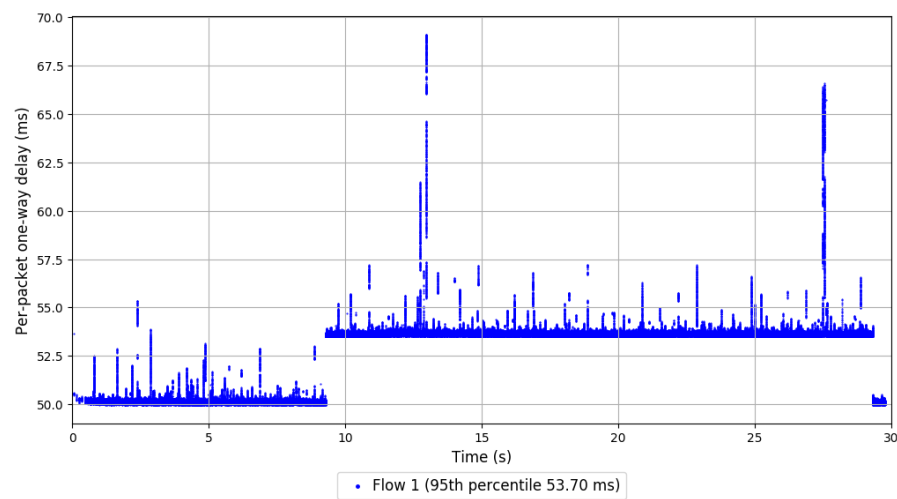
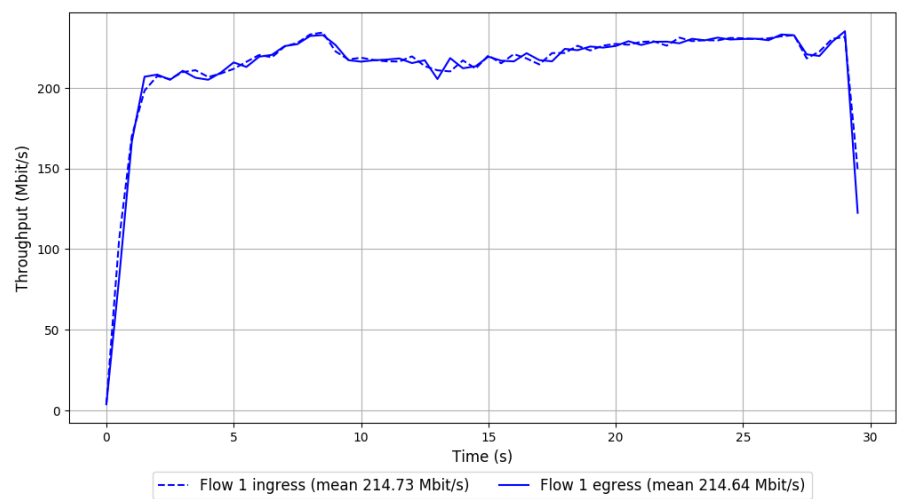
-- Flow 1:

Average throughput: 214.64 Mbit/s

95th percentile per-packet one-way delay: 53.704 ms

Loss rate: 0.39%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 12:48:50

End at: 2018-04-24 12:49:20

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.37 Mbit/s

95th percentile per-packet one-way delay: 53.589 ms

Loss rate: 0.33%

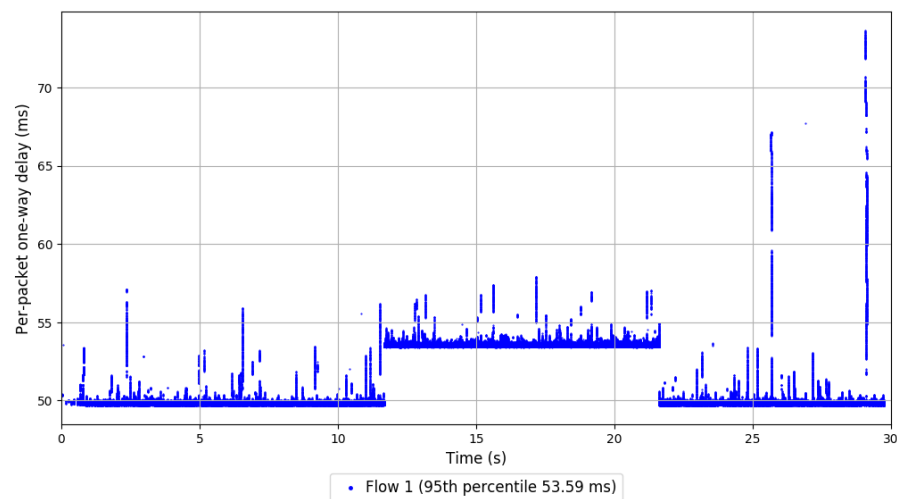
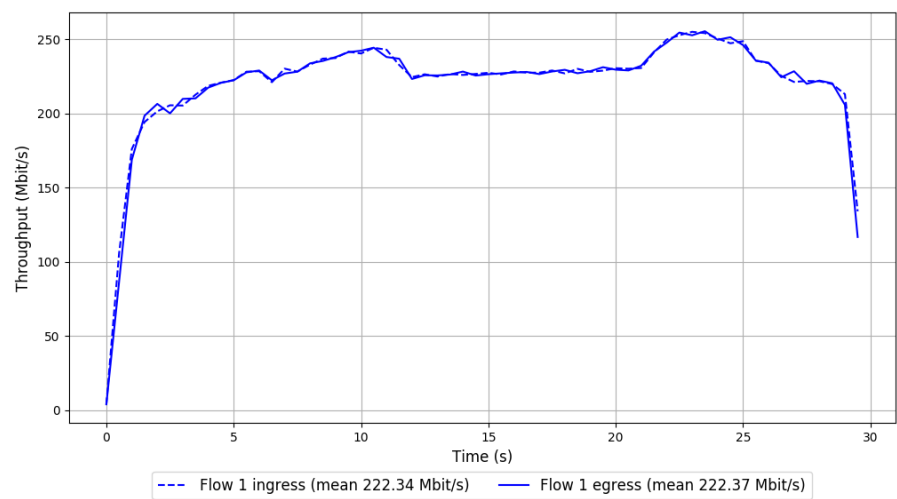
-- Flow 1:

Average throughput: 222.37 Mbit/s

95th percentile per-packet one-way delay: 53.589 ms

Loss rate: 0.33%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 13:01:53

End at: 2018-04-24 13:02:23

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.10 Mbit/s

95th percentile per-packet one-way delay: 49.860 ms

Loss rate: 0.33%

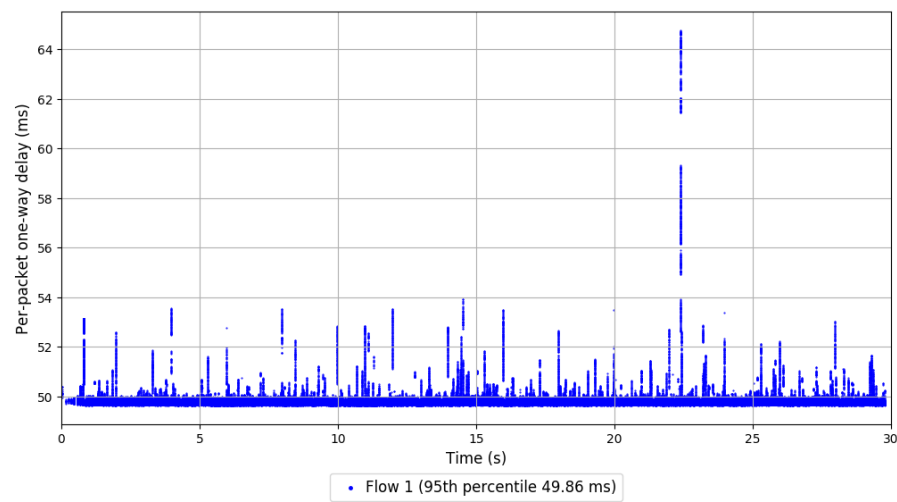
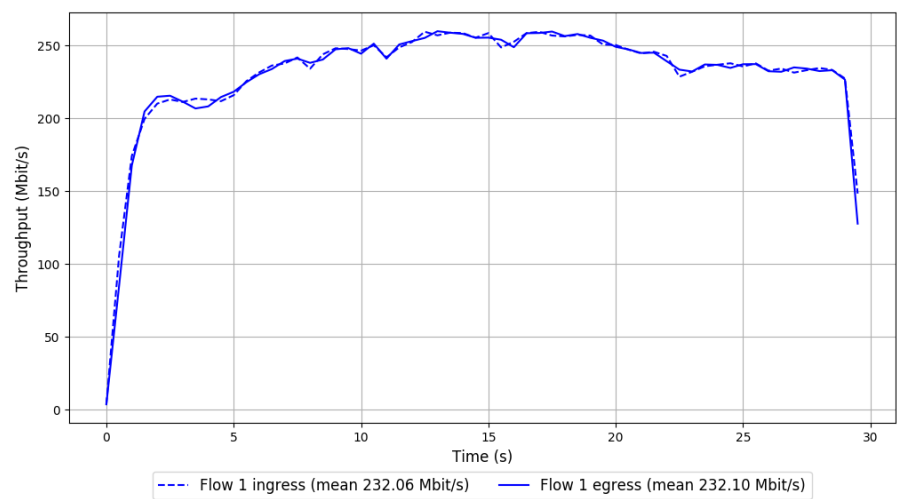
-- Flow 1:

Average throughput: 232.10 Mbit/s

95th percentile per-packet one-way delay: 49.860 ms

Loss rate: 0.33%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 13:14:41

End at: 2018-04-24 13:15:11

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.29 Mbit/s

95th percentile per-packet one-way delay: 53.689 ms

Loss rate: 0.35%

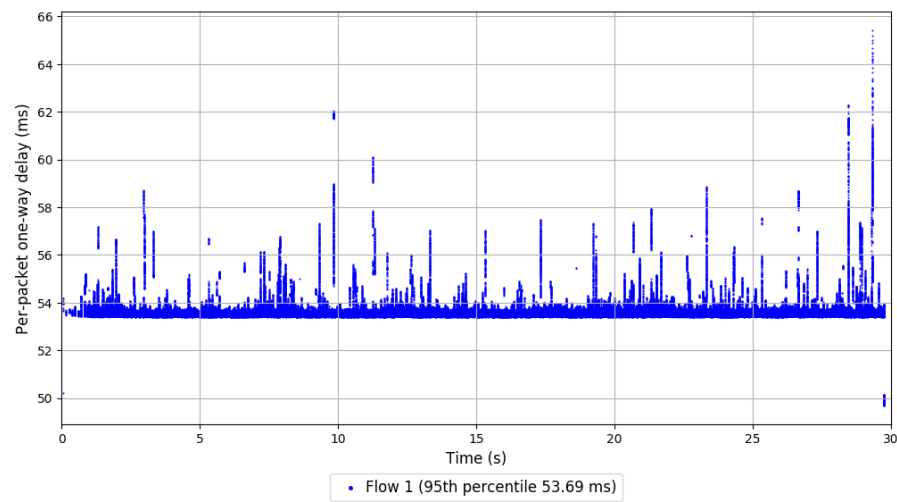
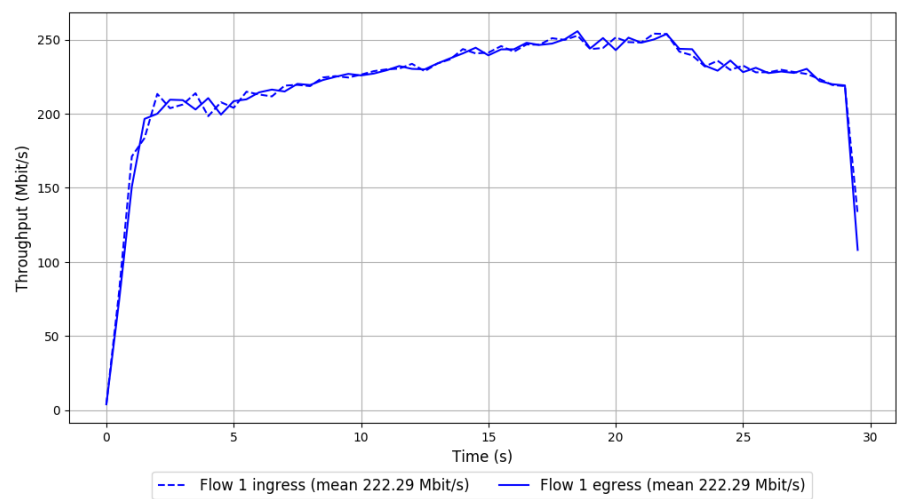
-- Flow 1:

Average throughput: 222.29 Mbit/s

95th percentile per-packet one-way delay: 53.689 ms

Loss rate: 0.35%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 13:27:44

End at: 2018-04-24 13:28:14

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.60 Mbit/s

95th percentile per-packet one-way delay: 53.581 ms

Loss rate: 0.36%

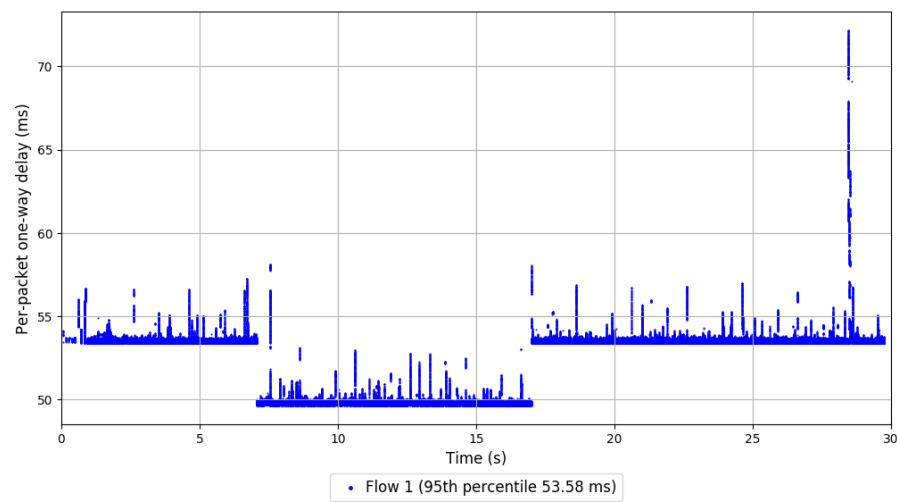
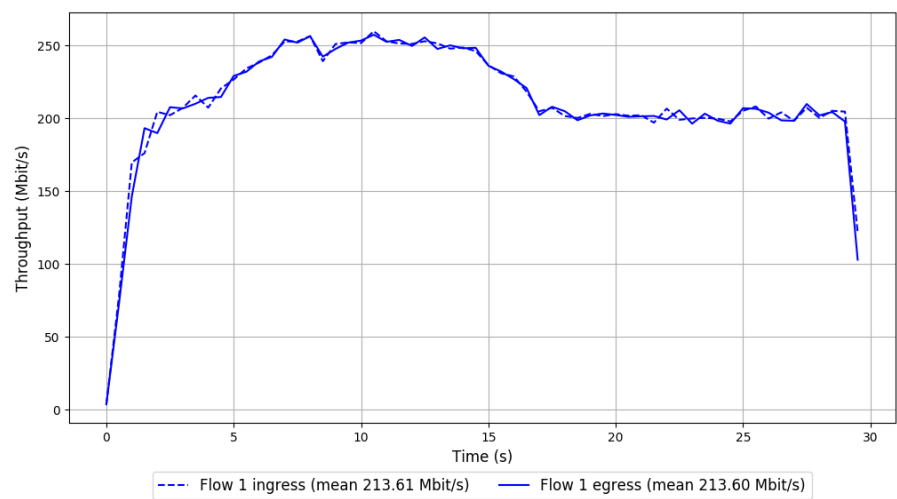
-- Flow 1:

Average throughput: 213.60 Mbit/s

95th percentile per-packet one-way delay: 53.581 ms

Loss rate: 0.36%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 13:40:48

End at: 2018-04-24 13:41:18

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.53 Mbit/s

95th percentile per-packet one-way delay: 53.640 ms

Loss rate: 0.30%

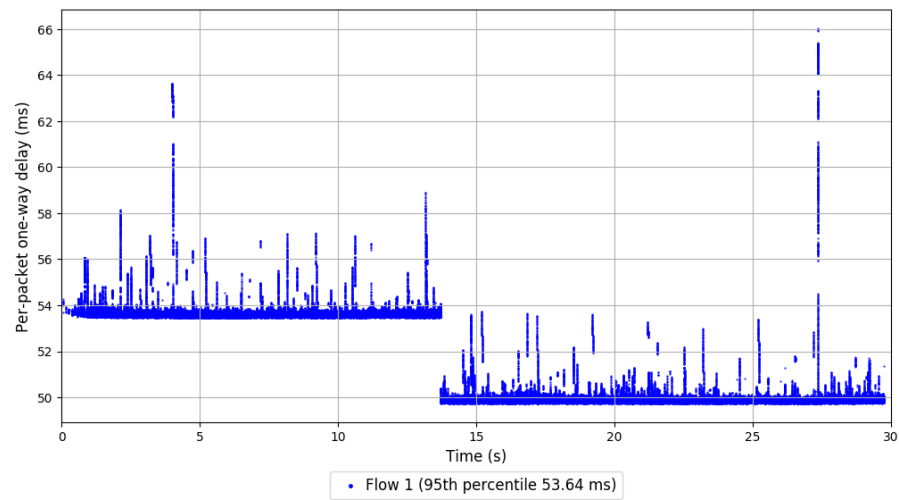
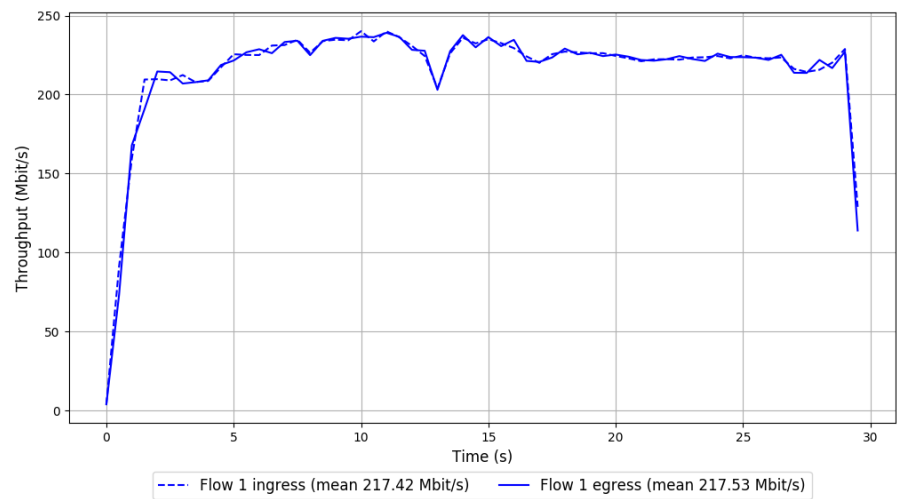
-- Flow 1:

Average throughput: 217.53 Mbit/s

95th percentile per-packet one-way delay: 53.640 ms

Loss rate: 0.30%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 13:53:50

End at: 2018-04-24 13:54:20

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.52 Mbit/s

95th percentile per-packet one-way delay: 53.748 ms

Loss rate: 0.39%

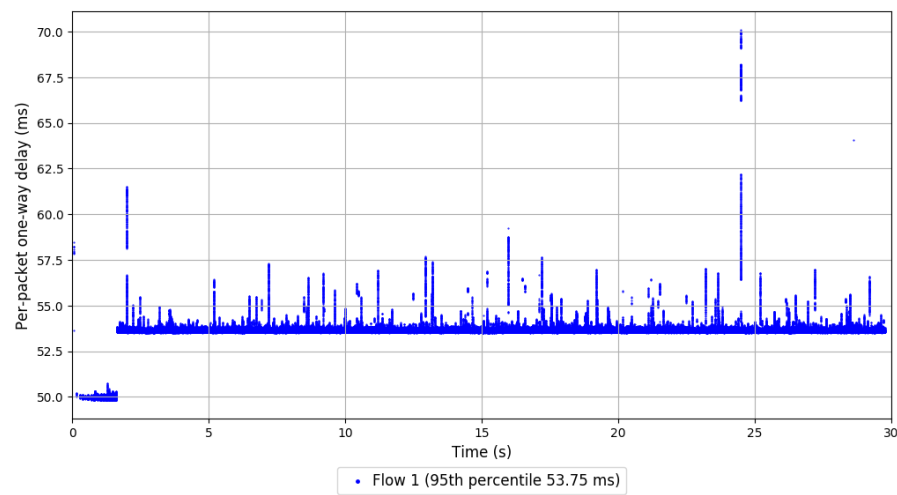
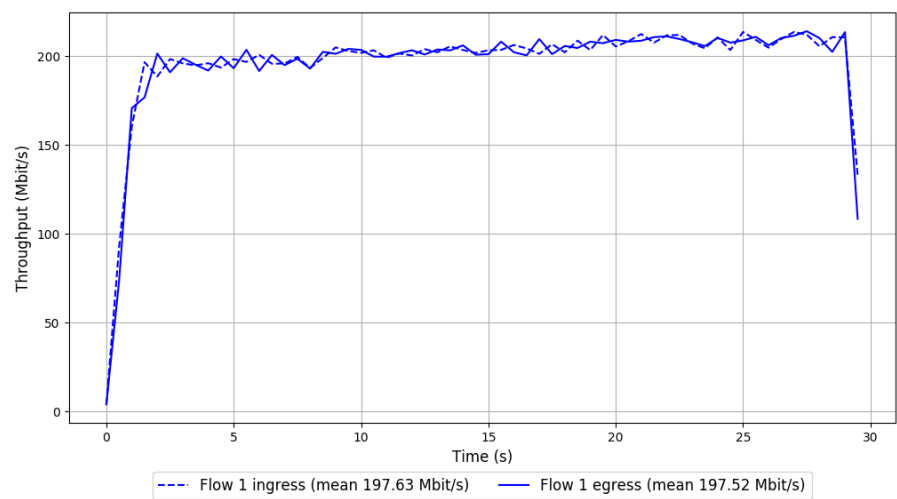
-- Flow 1:

Average throughput: 197.52 Mbit/s

95th percentile per-packet one-way delay: 53.748 ms

Loss rate: 0.39%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 11:54:12

End at: 2018-04-24 11:54:42

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.76 Mbit/s

95th percentile per-packet one-way delay: 55.833 ms

Loss rate: 0.20%

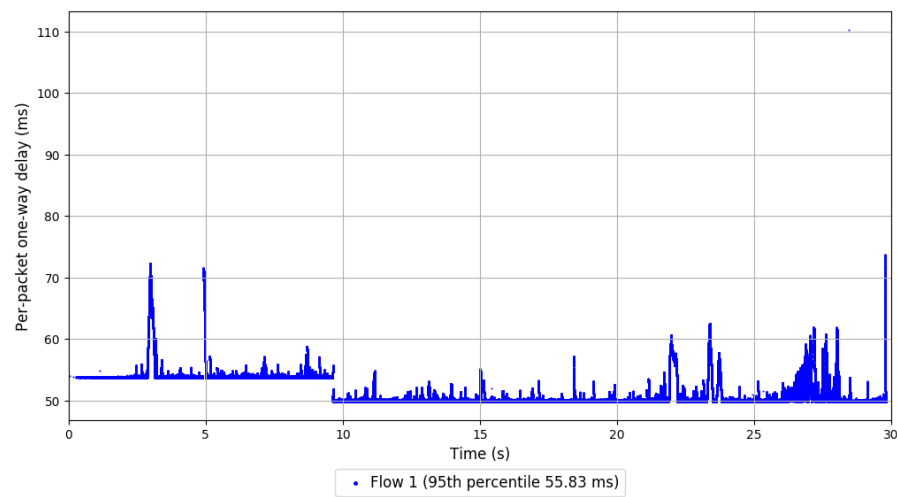
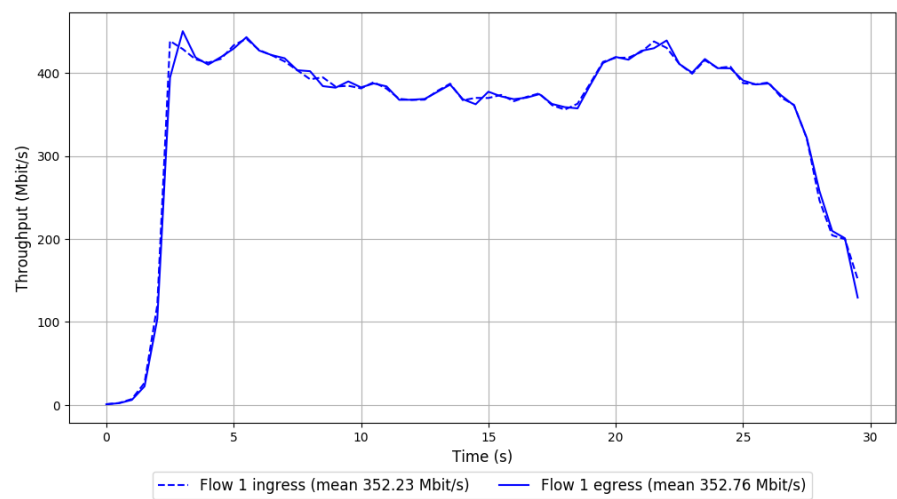
-- Flow 1:

Average throughput: 352.76 Mbit/s

95th percentile per-packet one-way delay: 55.833 ms

Loss rate: 0.20%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 12:07:23

End at: 2018-04-24 12:07:53

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.45 Mbit/s

95th percentile per-packet one-way delay: 51.615 ms

Loss rate: 0.44%

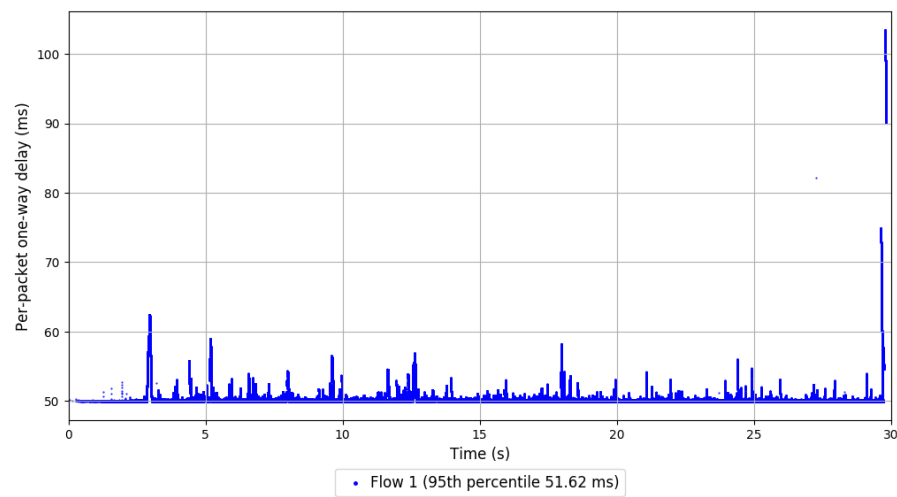
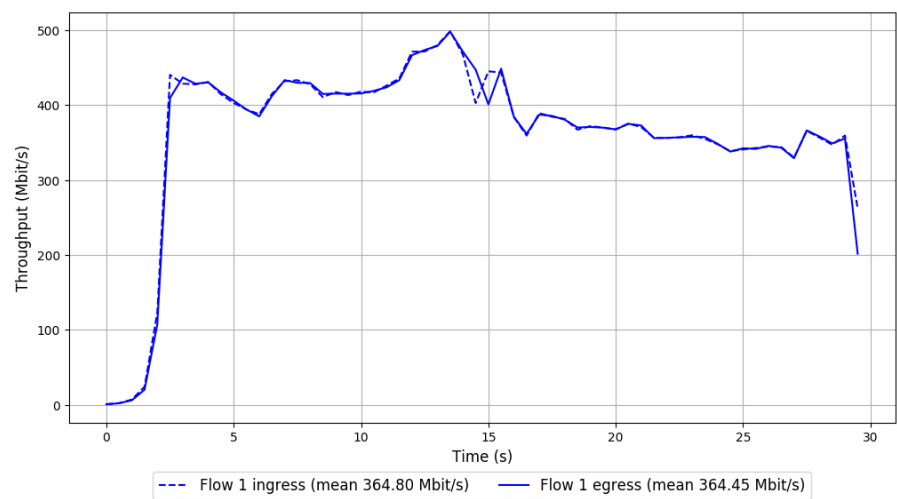
-- Flow 1:

Average throughput: 364.45 Mbit/s

95th percentile per-packet one-way delay: 51.615 ms

Loss rate: 0.44%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 12:20:34

End at: 2018-04-24 12:21:04

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.57 Mbit/s

95th percentile per-packet one-way delay: 57.053 ms

Loss rate: 0.39%

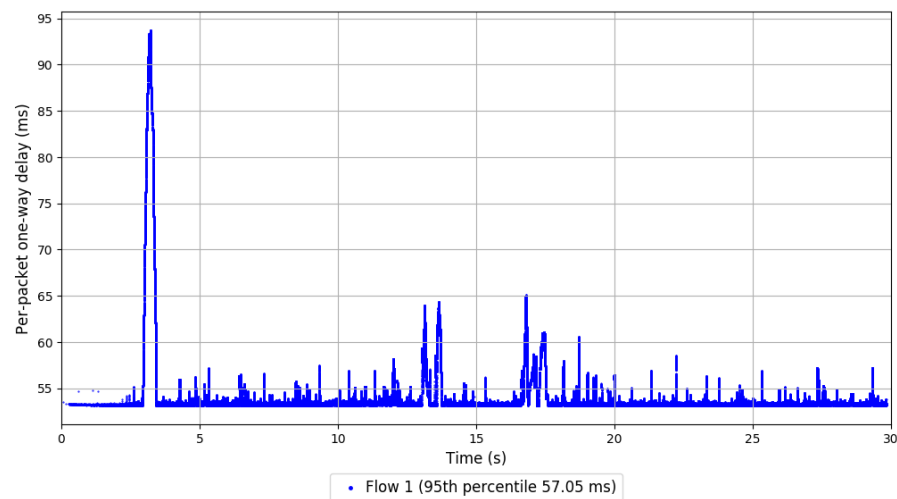
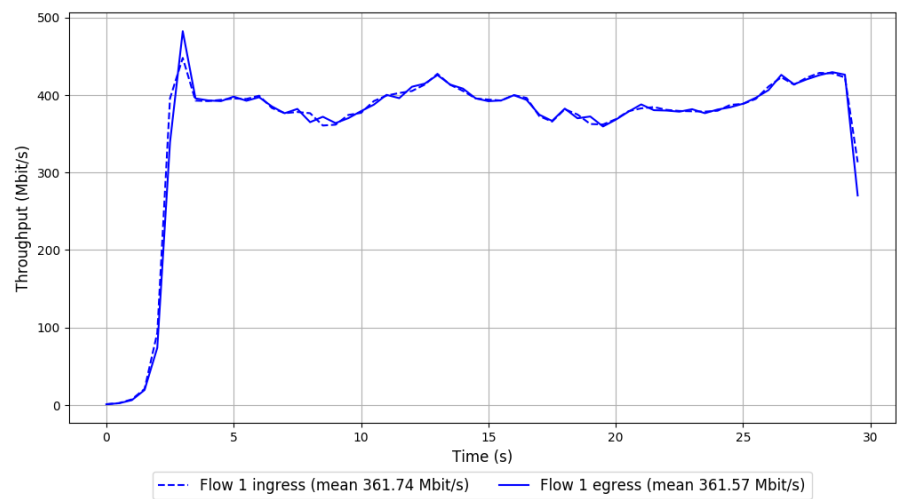
-- Flow 1:

Average throughput: 361.57 Mbit/s

95th percentile per-packet one-way delay: 57.053 ms

Loss rate: 0.39%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 12:33:44

End at: 2018-04-24 12:34:14

Below is generated by plot.py at 2018-04-24 17:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.12 Mbit/s

95th percentile per-packet one-way delay: 61.378 ms

Loss rate: 0.39%

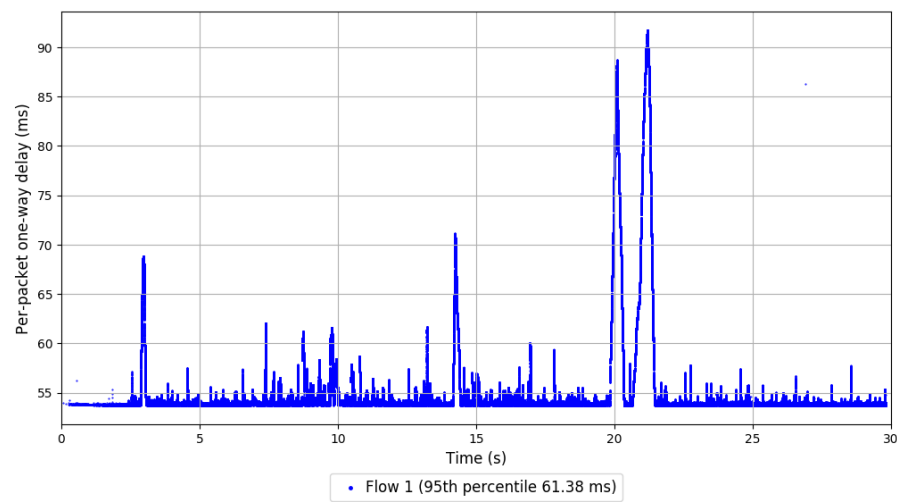
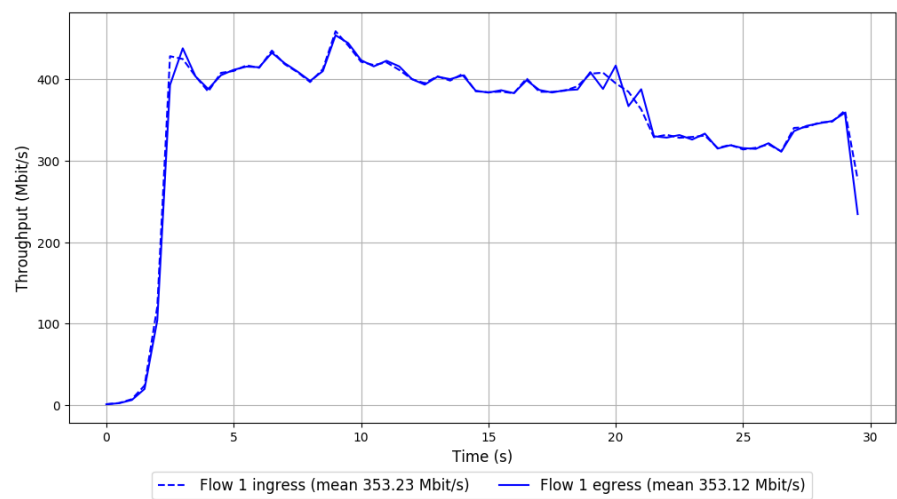
-- Flow 1:

Average throughput: 353.12 Mbit/s

95th percentile per-packet one-way delay: 61.378 ms

Loss rate: 0.39%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 12:46:35

End at: 2018-04-24 12:47:05

Below is generated by plot.py at 2018-04-24 17:19:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.31 Mbit/s

95th percentile per-packet one-way delay: 57.681 ms

Loss rate: 0.42%

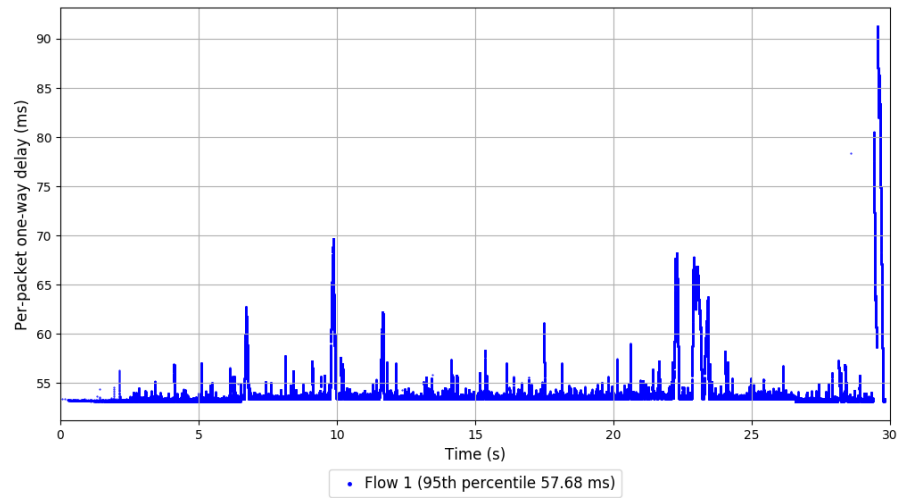
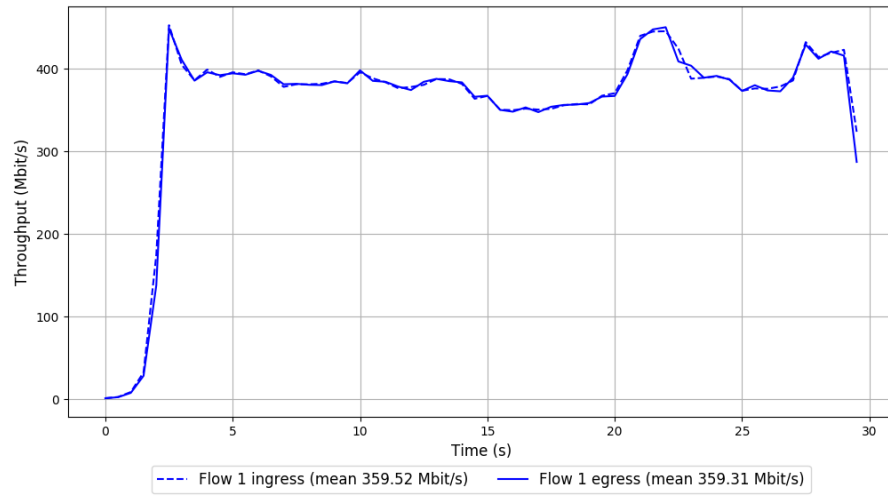
-- Flow 1:

Average throughput: 359.31 Mbit/s

95th percentile per-packet one-way delay: 57.681 ms

Loss rate: 0.42%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 12:59:37

End at: 2018-04-24 13:00:07

Below is generated by plot.py at 2018-04-24 17:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.79 Mbit/s

95th percentile per-packet one-way delay: 52.209 ms

Loss rate: 0.38%

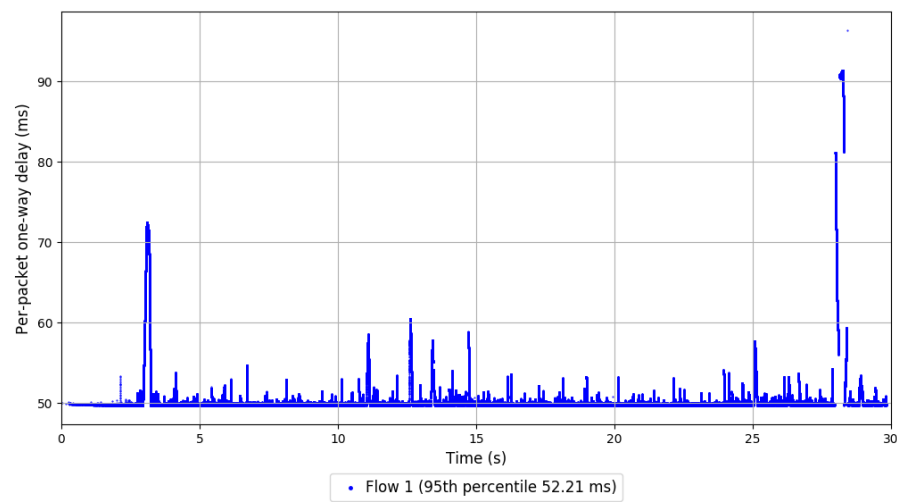
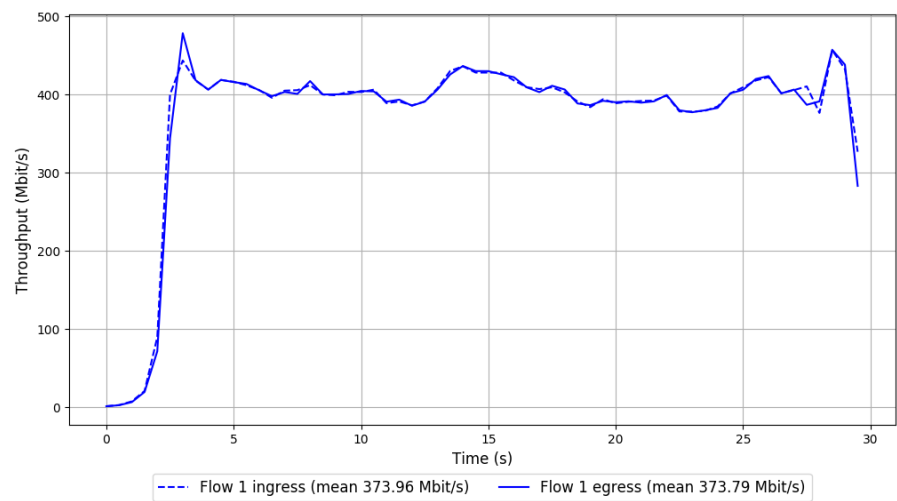
-- Flow 1:

Average throughput: 373.79 Mbit/s

95th percentile per-packet one-way delay: 52.209 ms

Loss rate: 0.38%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 13:12:31

End at: 2018-04-24 13:13:01

Below is generated by plot.py at 2018-04-24 17:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.07 Mbit/s

95th percentile per-packet one-way delay: 72.691 ms

Loss rate: 0.44%

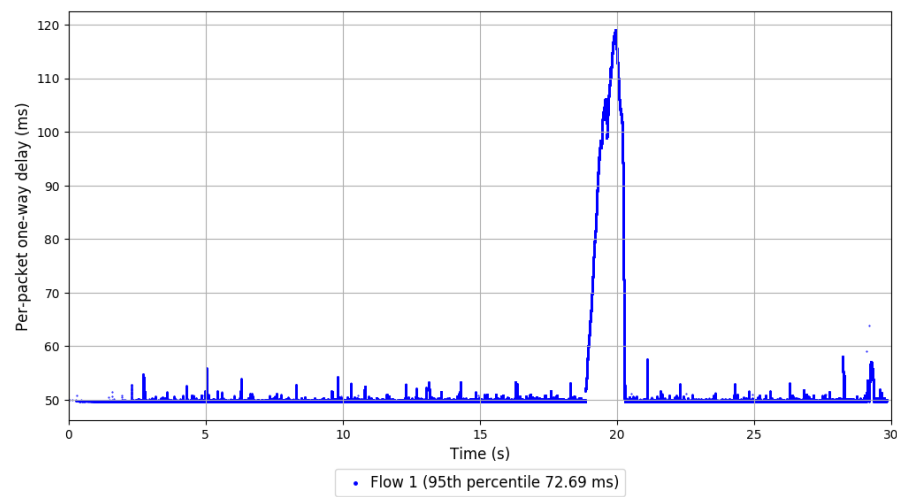
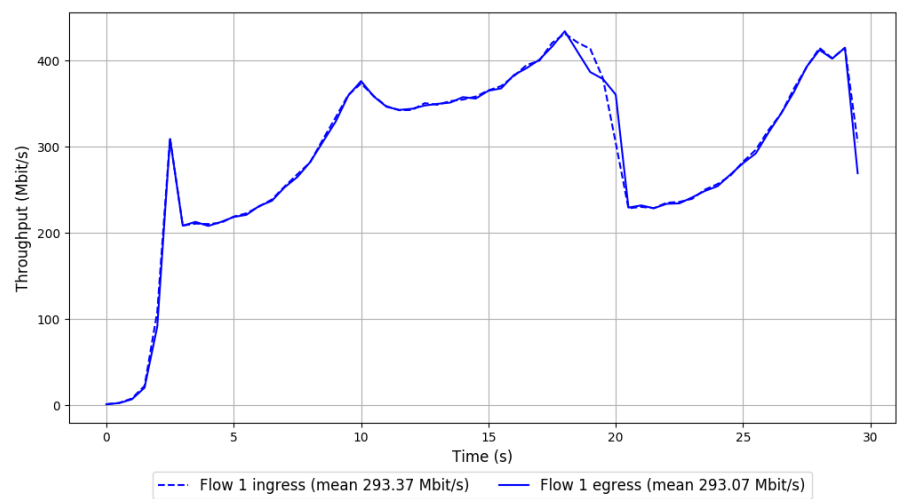
-- Flow 1:

Average throughput: 293.07 Mbit/s

95th percentile per-packet one-way delay: 72.691 ms

Loss rate: 0.44%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 13:25:27

End at: 2018-04-24 13:25:58

Below is generated by plot.py at 2018-04-24 17:21:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 369.66 Mbit/s

95th percentile per-packet one-way delay: 51.859 ms

Loss rate: 0.34%

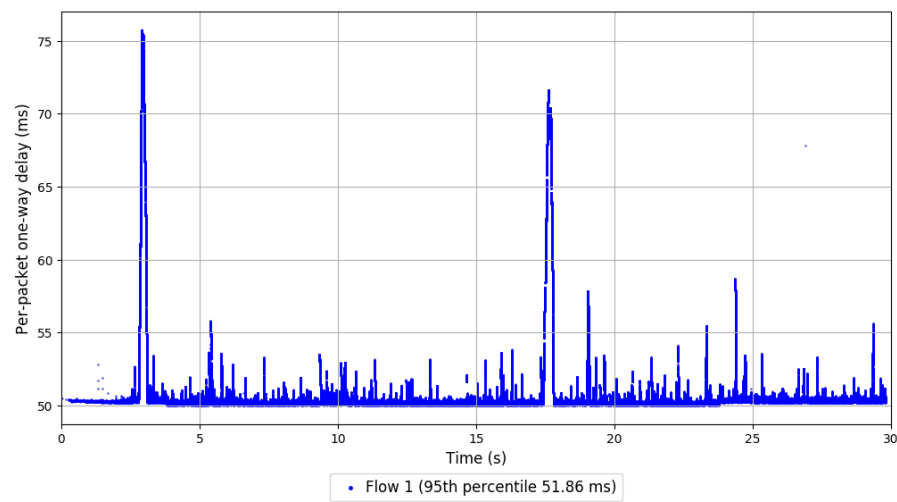
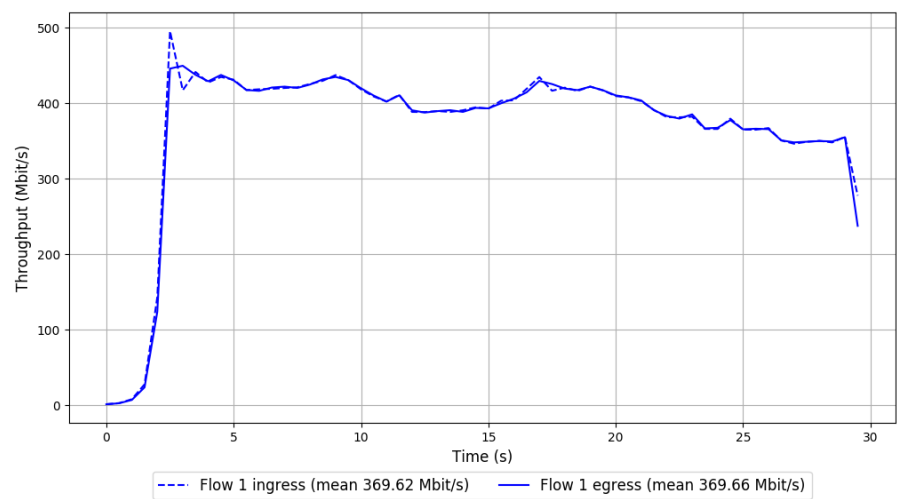
-- Flow 1:

Average throughput: 369.66 Mbit/s

95th percentile per-packet one-way delay: 51.859 ms

Loss rate: 0.34%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 13:38:34

End at: 2018-04-24 13:39:04

Below is generated by plot.py at 2018-04-24 17:21:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.02 Mbit/s

95th percentile per-packet one-way delay: 50.969 ms

Loss rate: 0.37%

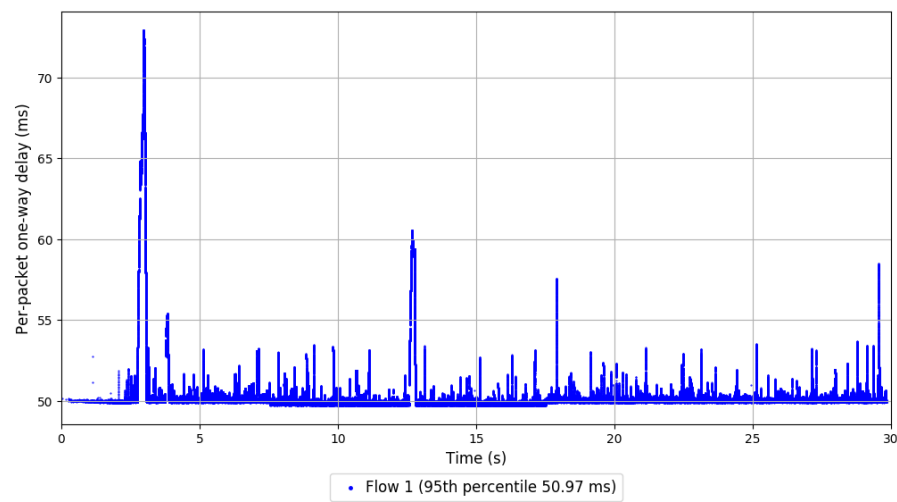
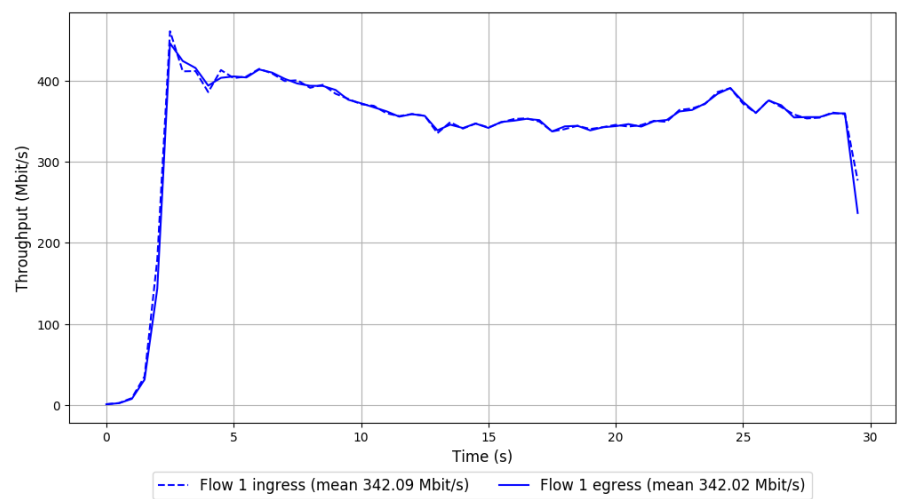
-- Flow 1:

Average throughput: 342.02 Mbit/s

95th percentile per-packet one-way delay: 50.969 ms

Loss rate: 0.37%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 13:51:34

End at: 2018-04-24 13:52:04

Below is generated by plot.py at 2018-04-24 17:21:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.53 Mbit/s

95th percentile per-packet one-way delay: 53.438 ms

Loss rate: 0.37%

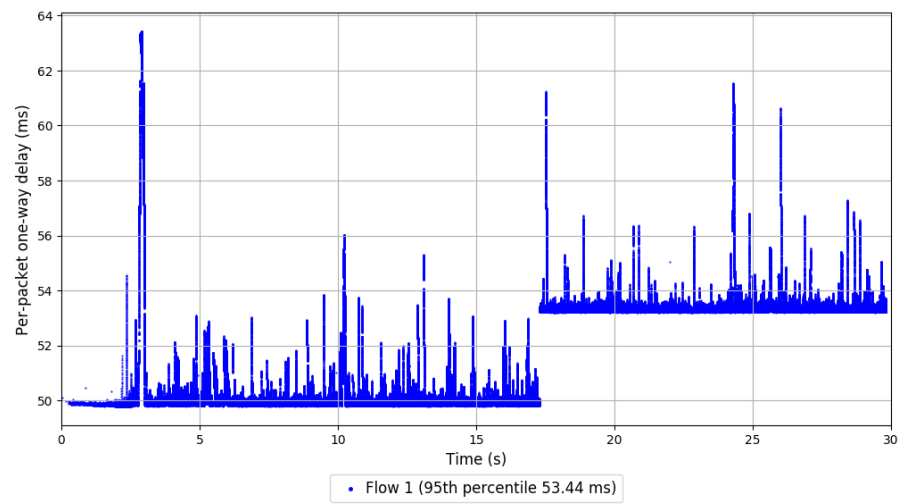
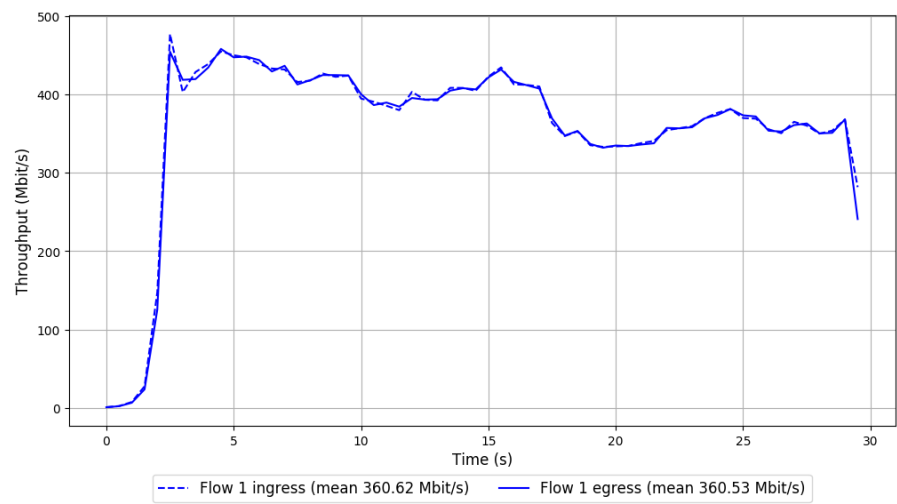
-- Flow 1:

Average throughput: 360.53 Mbit/s

95th percentile per-packet one-way delay: 53.438 ms

Loss rate: 0.37%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 11:46:46

End at: 2018-04-24 11:47:16

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 11:59:36

End at: 2018-04-24 12:00:06

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 12:12:49

End at: 2018-04-24 12:13:19

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 12:26:00

End at: 2018-04-24 12:26:30

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 12:39:12

End at: 2018-04-24 12:39:42

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 12:52:00

End at: 2018-04-24 12:52:30

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 13:05:04

End at: 2018-04-24 13:05:34

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 13:17:54

End at: 2018-04-24 13:18:24

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 13:30:51

End at: 2018-04-24 13:31:21

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 13:43:59

End at: 2018-04-24 13:44:29

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing