

Pantheon Report

Generated at 2018-04-24 18:39:28 (UTC).

Data path: GCE Iowa Ethernet (*local*) → GCE London Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

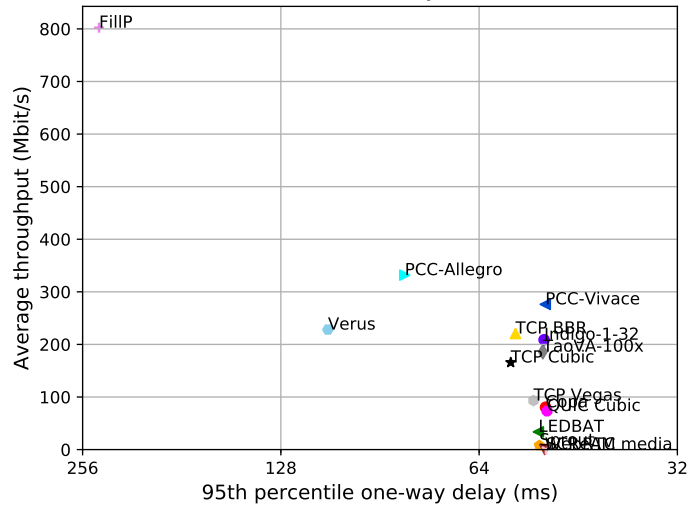
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

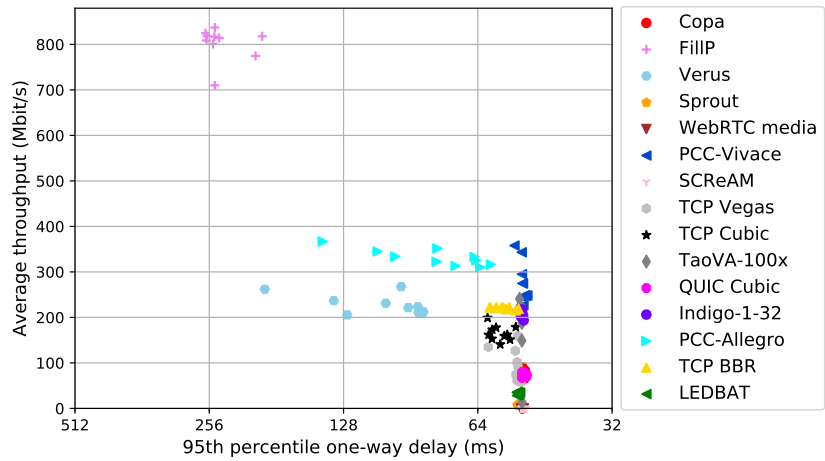
Git summary:

```
branch: master @ 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 @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 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 Iowa Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa Ethernet to GCE London Ethernet, 10 runs of 30s each 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	220.74	56.36	0.00
TCP Cubic	10	165.64	57.31	0.01
LEDBAT	10	33.70	52.03	0.00
PCC-Allegro	10	331.74	83.00	0.04
QUIC Cubic	10	73.38	50.48	0.00
SCReAM	10	0.22	50.67	0.01
WebRTC media	10	0.06	50.88	0.00
Sprout	10	7.93	51.86	0.00
TaoVA-100x	10	186.15	51.22	0.00
TCP Vegas	10	93.25	52.92	0.00
Verus	10	228.22	108.59	0.09
Copa	10	80.45	50.73	0.00
FillP	10	802.34	241.71	0.97
Indigo-1-32	10	208.83	50.99	0.00
PCC-Vivace	10	276.16	50.79	0.03
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 14:05:02

End at: 2018-04-24 14:05:32

Below is generated by plot.py at 2018-04-24 17:37:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.52 Mbit/s

95th percentile per-packet one-way delay: 60.002 ms

Loss rate: 0.00%

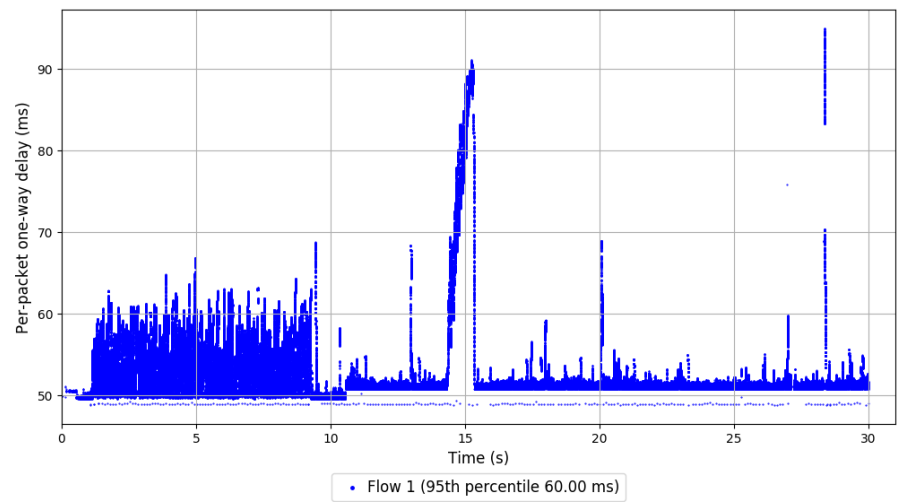
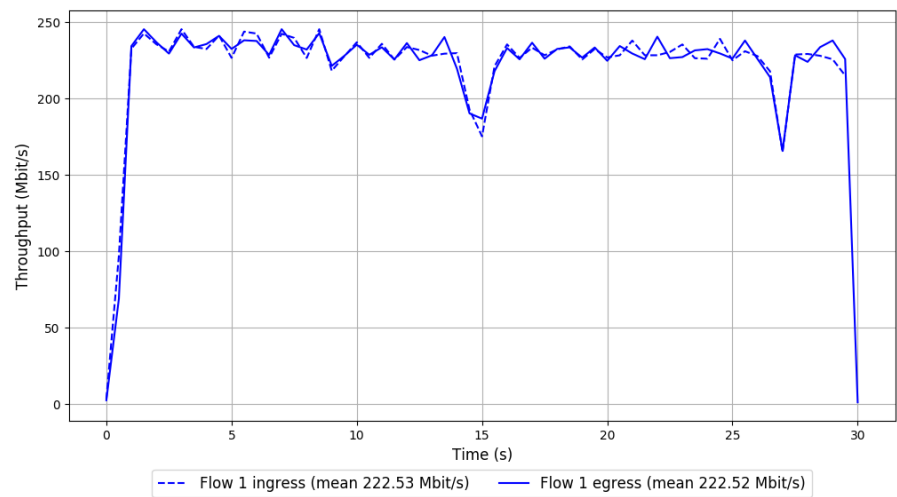
-- Flow 1:

Average throughput: 222.52 Mbit/s

95th percentile per-packet one-way delay: 60.002 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-24 14:18:10

End at: 2018-04-24 14:18:40

Below is generated by plot.py at 2018-04-24 17:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.50 Mbit/s

95th percentile per-packet one-way delay: 58.168 ms

Loss rate: 0.00%

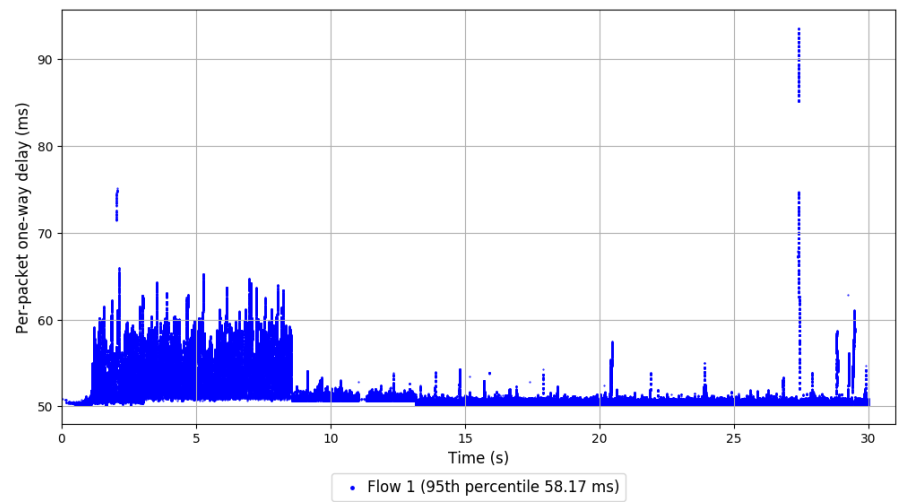
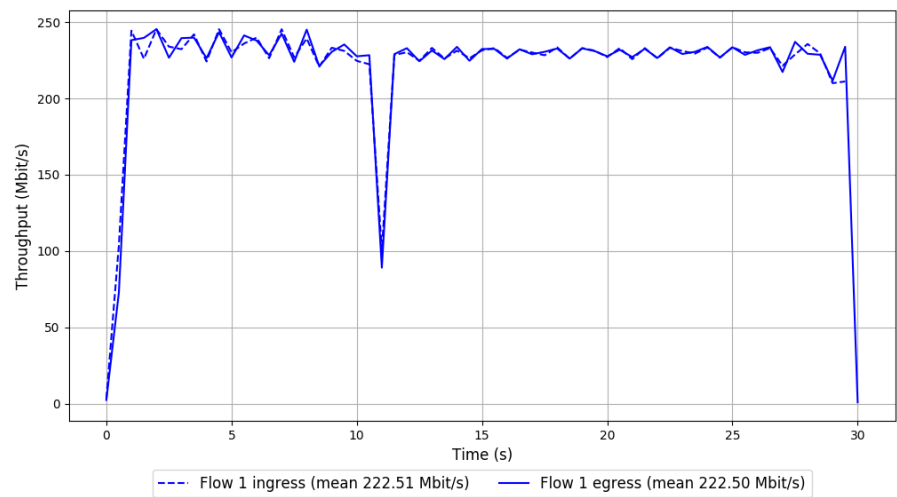
-- Flow 1:

Average throughput: 222.50 Mbit/s

95th percentile per-packet one-way delay: 58.168 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 14:31:15

End at: 2018-04-24 14:31:45

Below is generated by plot.py at 2018-04-24 17:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.62 Mbit/s

95th percentile per-packet one-way delay: 58.319 ms

Loss rate: 0.00%

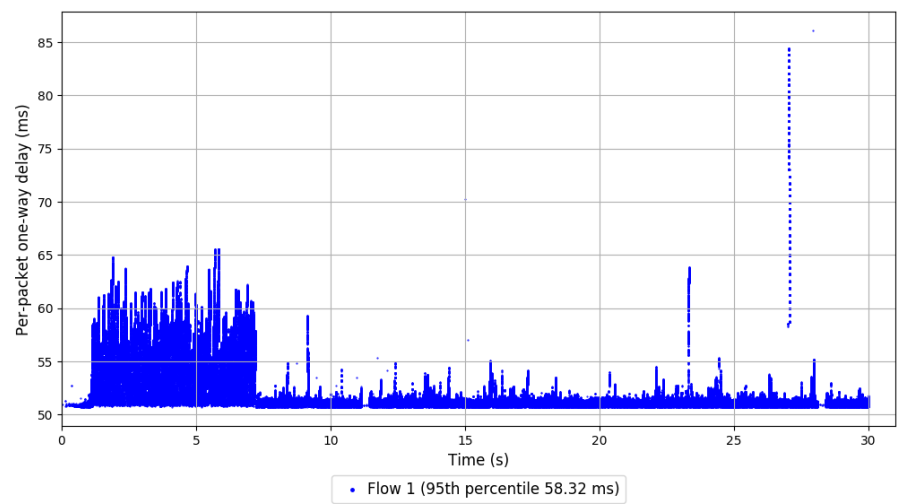
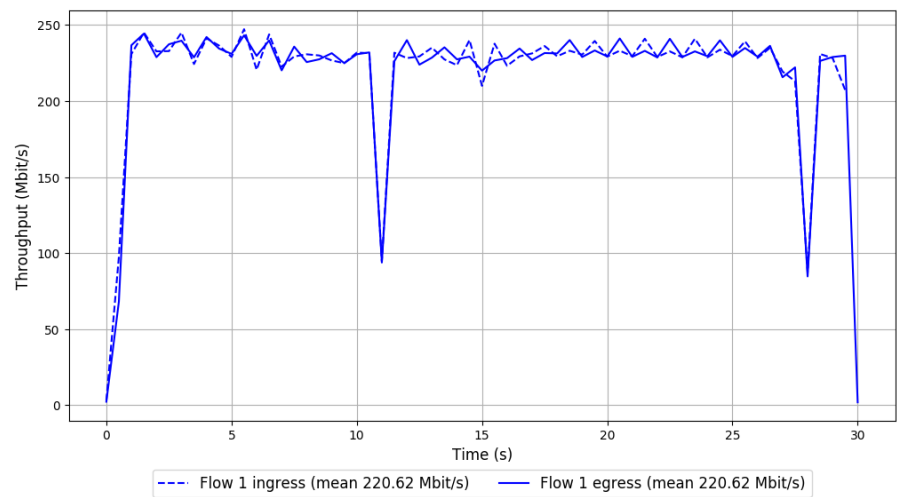
-- Flow 1:

Average throughput: 220.62 Mbit/s

95th percentile per-packet one-way delay: 58.319 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-24 14:44:12

End at: 2018-04-24 14:44:42

Below is generated by plot.py at 2018-04-24 17:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.57 Mbit/s

95th percentile per-packet one-way delay: 56.569 ms

Loss rate: 0.00%

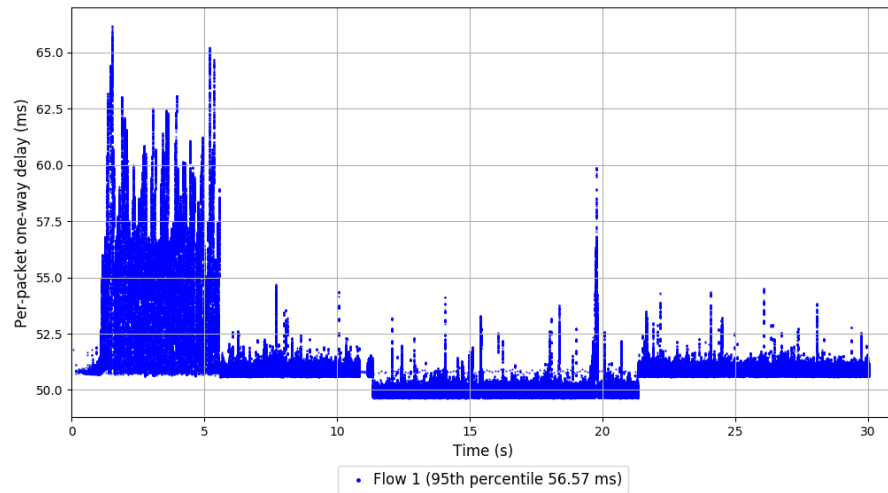
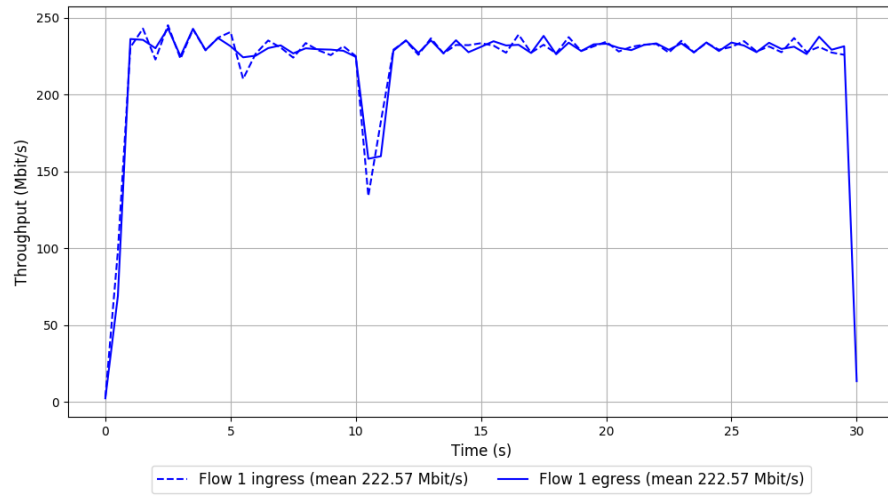
-- Flow 1:

Average throughput: 222.57 Mbit/s

95th percentile per-packet one-way delay: 56.569 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-24 14:57:14

End at: 2018-04-24 14:57:44

Below is generated by plot.py at 2018-04-24 17:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.77 Mbit/s

95th percentile per-packet one-way delay: 56.112 ms

Loss rate: 0.00%

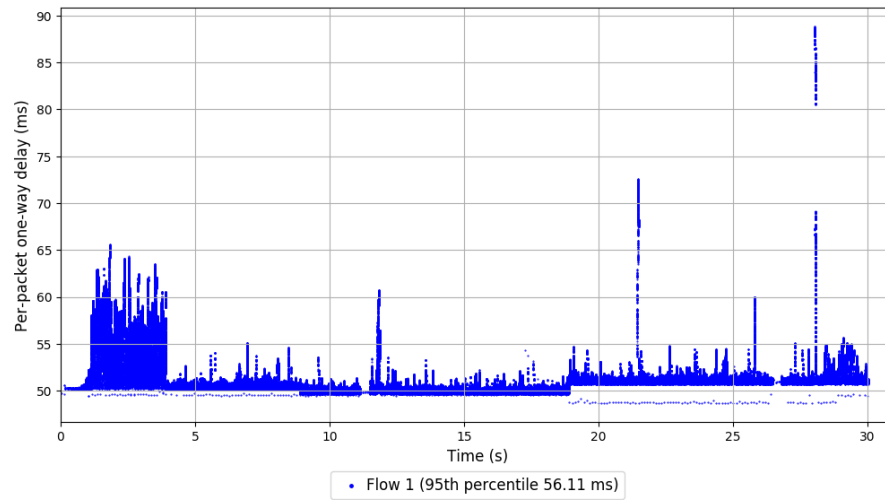
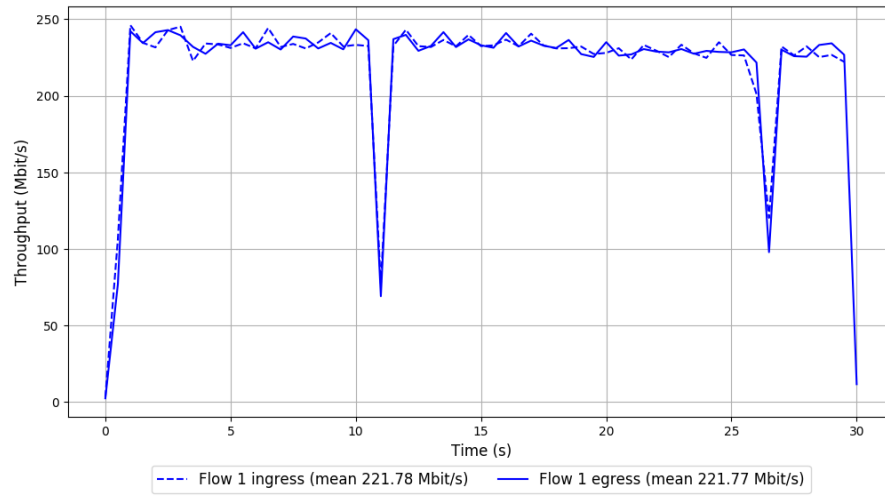
-- Flow 1:

Average throughput: 221.77 Mbit/s

95th percentile per-packet one-way delay: 56.112 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 15:10:10

End at: 2018-04-24 15:10:40

Below is generated by plot.py at 2018-04-24 17:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.47 Mbit/s

95th percentile per-packet one-way delay: 54.395 ms

Loss rate: 0.00%

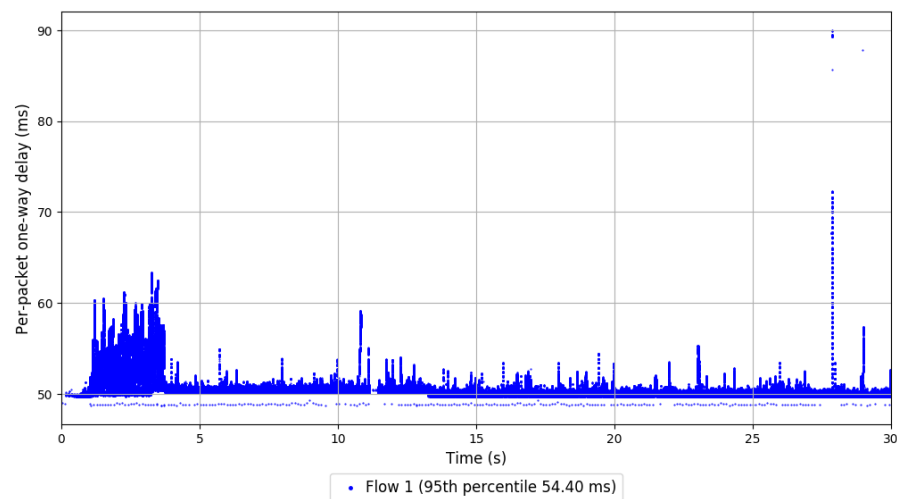
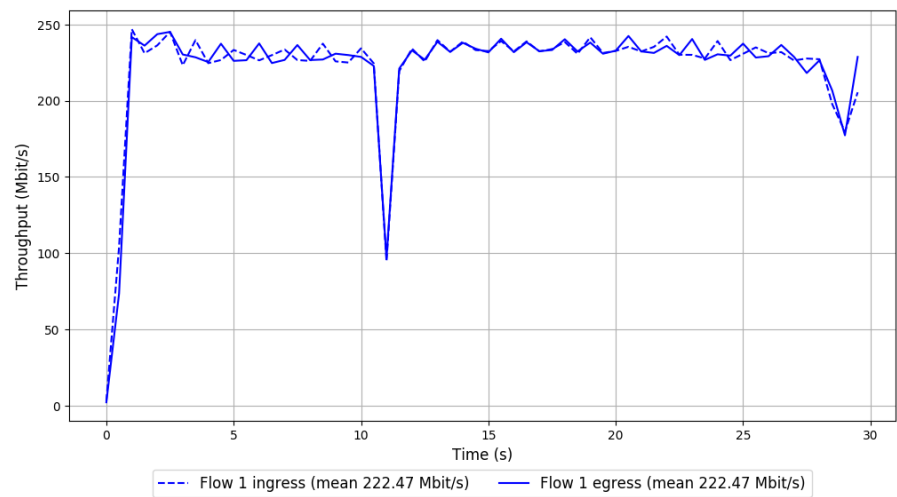
-- Flow 1:

Average throughput: 222.47 Mbit/s

95th percentile per-packet one-way delay: 54.395 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 15:23:08

End at: 2018-04-24 15:23:38

Below is generated by plot.py at 2018-04-24 17:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.29 Mbit/s

95th percentile per-packet one-way delay: 60.196 ms

Loss rate: 0.00%

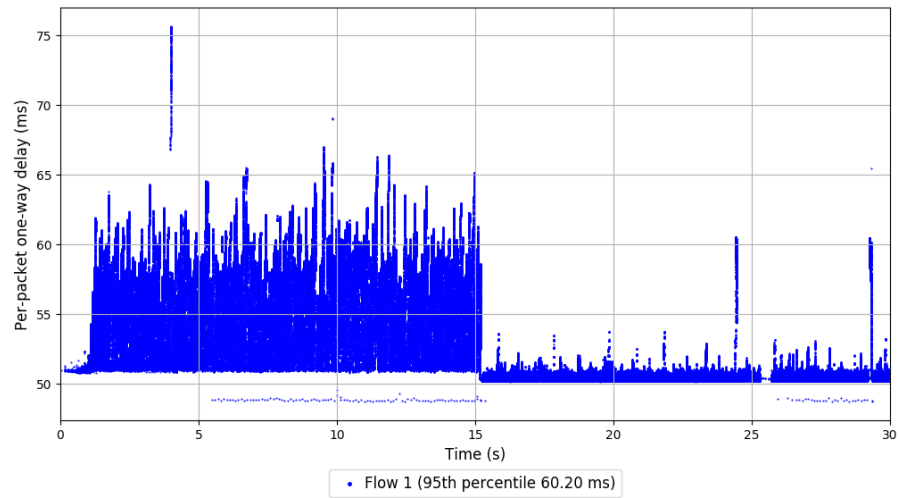
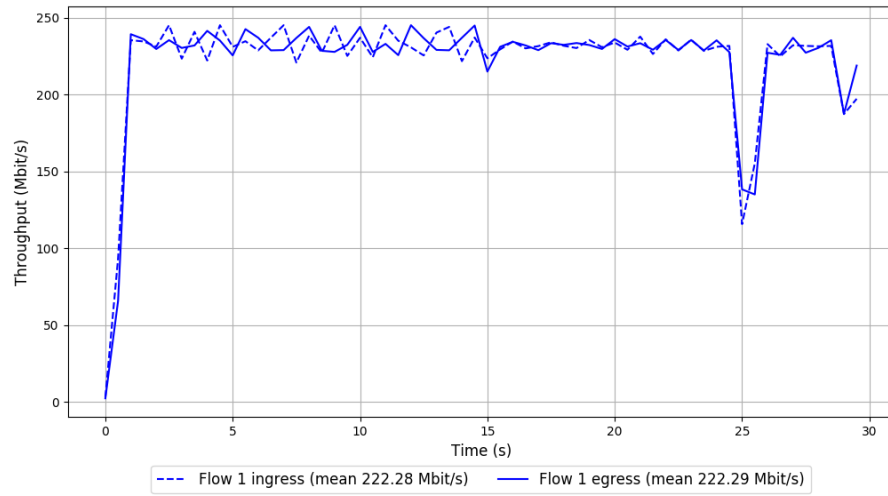
-- Flow 1:

Average throughput: 222.29 Mbit/s

95th percentile per-packet one-way delay: 60.196 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 15:35:59

End at: 2018-04-24 15:36:29

Below is generated by plot.py at 2018-04-24 17:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.92 Mbit/s

95th percentile per-packet one-way delay: 51.832 ms

Loss rate: 0.00%

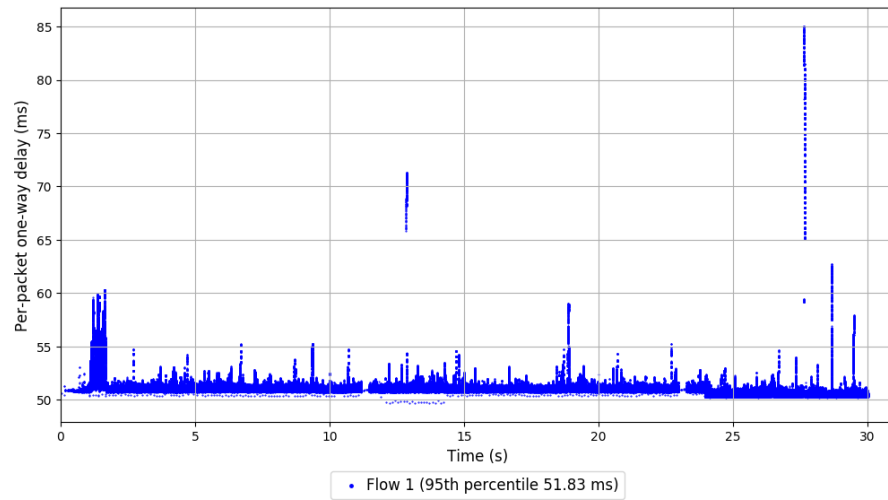
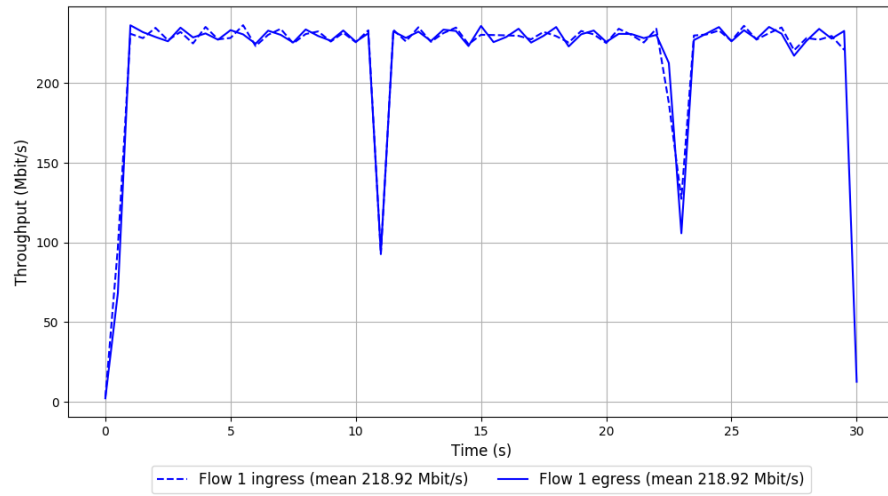
-- Flow 1:

Average throughput: 218.92 Mbit/s

95th percentile per-packet one-way delay: 51.832 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 15:49:03

End at: 2018-04-24 15:49:33

Below is generated by plot.py at 2018-04-24 17:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.12 Mbit/s

95th percentile per-packet one-way delay: 55.361 ms

Loss rate: 0.00%

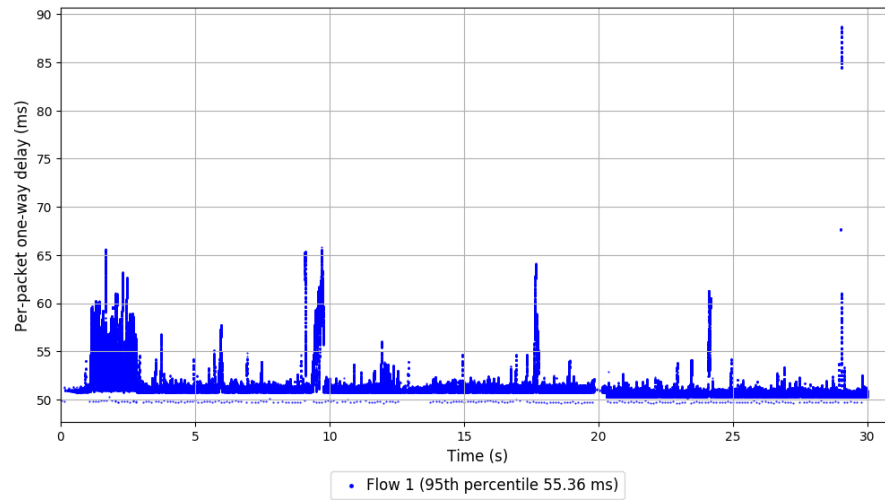
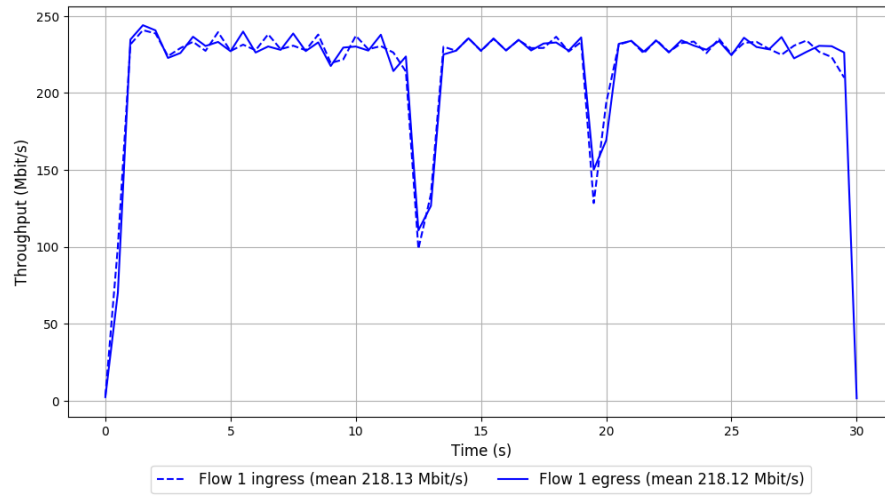
-- Flow 1:

Average throughput: 218.12 Mbit/s

95th percentile per-packet one-way delay: 55.361 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 16:01:55

End at: 2018-04-24 16:02:26

Below is generated by plot.py at 2018-04-24 17:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.61 Mbit/s

95th percentile per-packet one-way delay: 52.611 ms

Loss rate: 0.00%

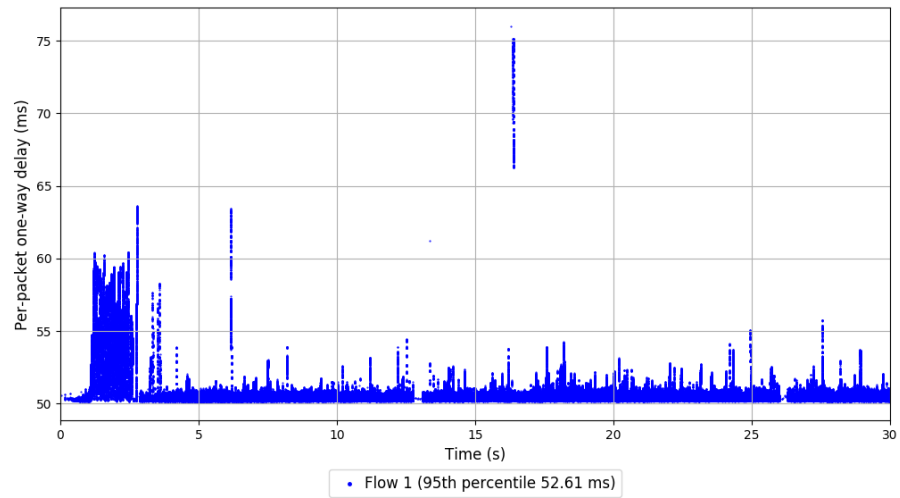
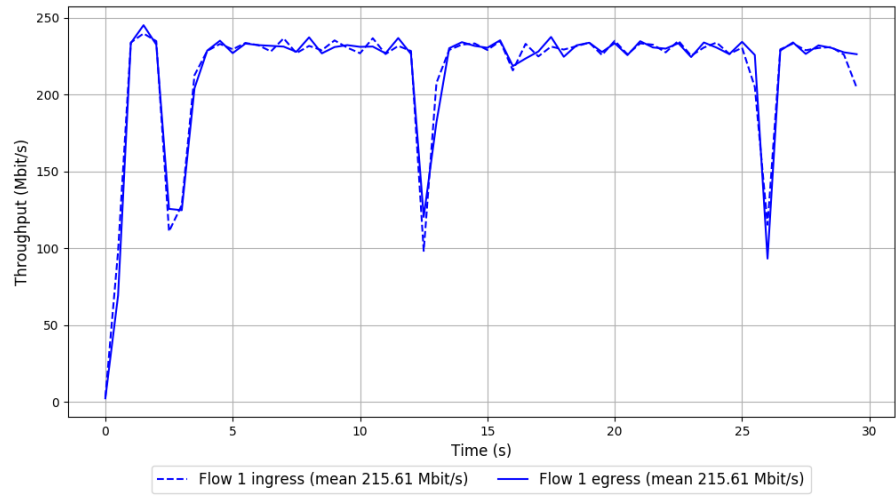
-- Flow 1:

Average throughput: 215.61 Mbit/s

95th percentile per-packet one-way delay: 52.611 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 14:03:37

End at: 2018-04-24 14:04:07

Below is generated by plot.py at 2018-04-24 17:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.76 Mbit/s

95th percentile per-packet one-way delay: 60.539 ms

Loss rate: 0.05%

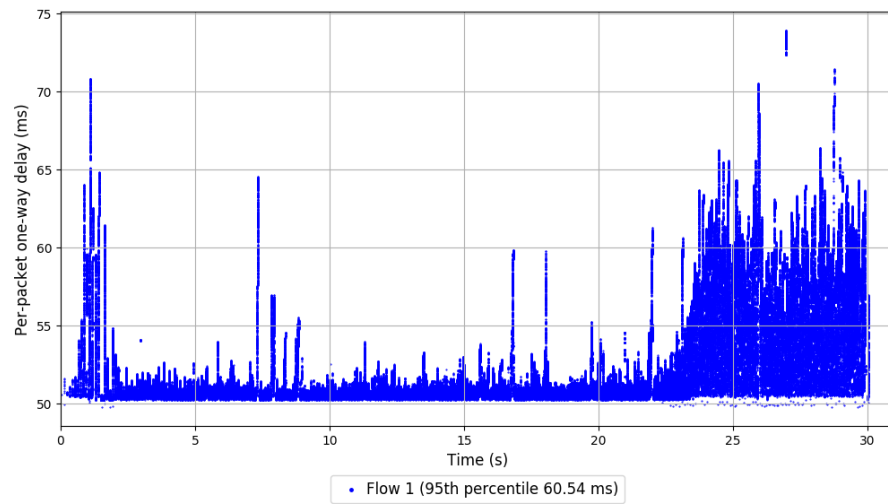
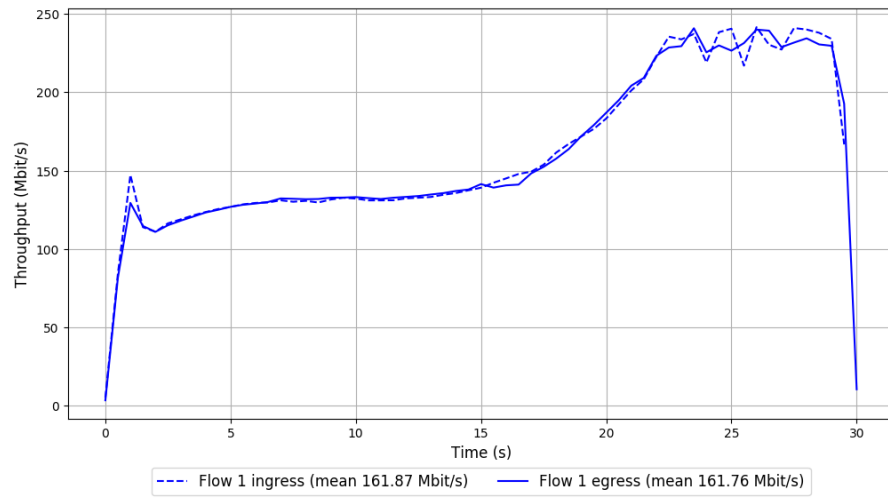
-- Flow 1:

Average throughput: 161.76 Mbit/s

95th percentile per-packet one-way delay: 60.539 ms

Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 14:16:44

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

Below is generated by plot.py at 2018-04-24 17:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.77 Mbit/s

95th percentile per-packet one-way delay: 52.603 ms

Loss rate: 0.00%

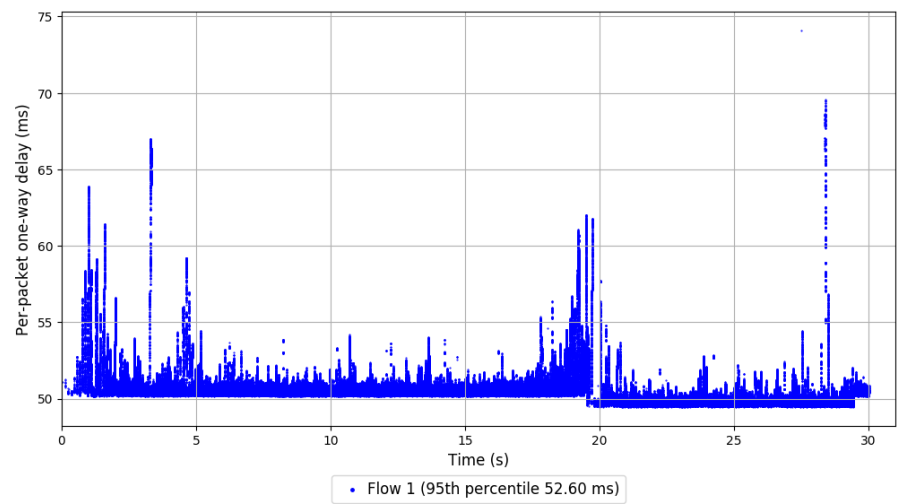
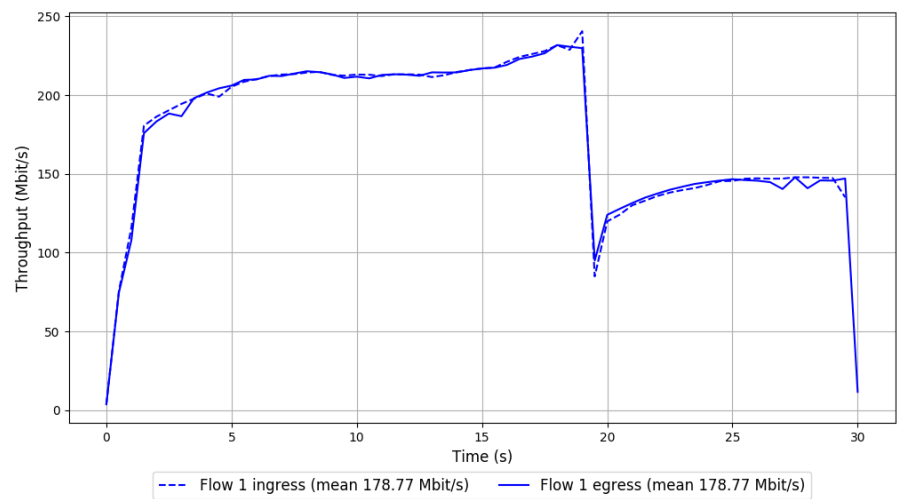
-- Flow 1:

Average throughput: 178.77 Mbit/s

95th percentile per-packet one-way delay: 52.603 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 14:29:50

End at: 2018-04-24 14:30:20

Below is generated by plot.py at 2018-04-24 17:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.15 Mbit/s

95th percentile per-packet one-way delay: 59.476 ms

Loss rate: 0.00%

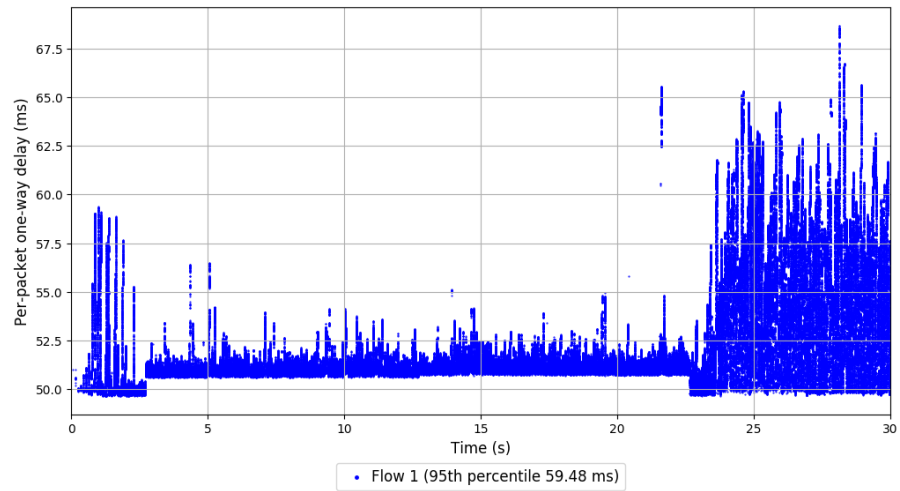
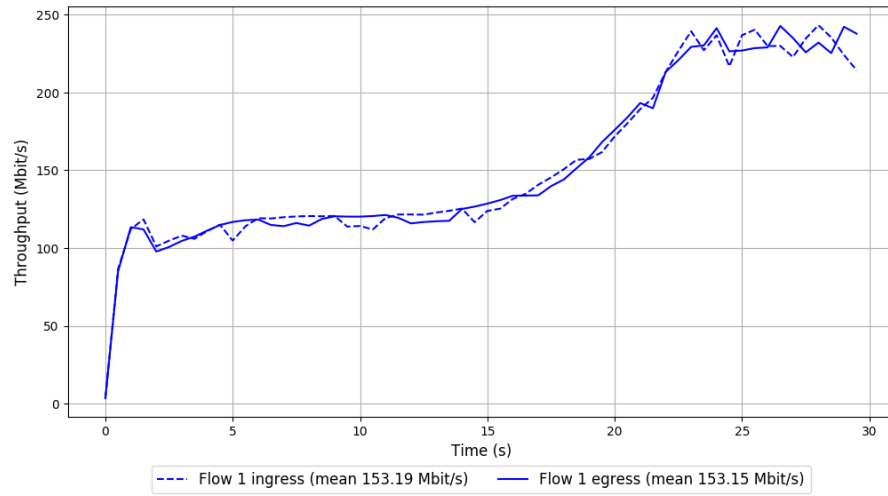
-- Flow 1:

Average throughput: 153.15 Mbit/s

95th percentile per-packet one-way delay: 59.476 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 14:42:46

End at: 2018-04-24 14:43:16

Below is generated by plot.py at 2018-04-24 17:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.62 Mbit/s

95th percentile per-packet one-way delay: 58.242 ms

Loss rate: 0.00%

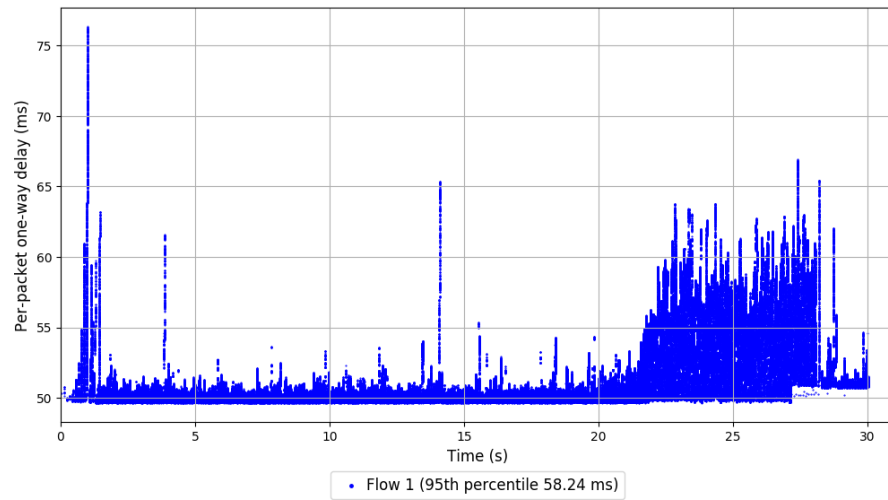
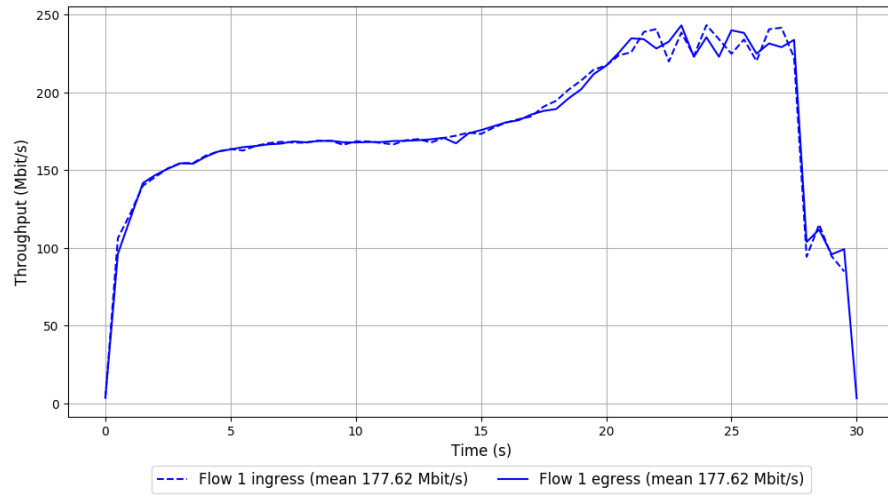
-- Flow 1:

Average throughput: 177.62 Mbit/s

95th percentile per-packet one-way delay: 58.242 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 14:55:47

End at: 2018-04-24 14:56:17

Below is generated by plot.py at 2018-04-24 17:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.96 Mbit/s

95th percentile per-packet one-way delay: 60.859 ms

Loss rate: 0.01%

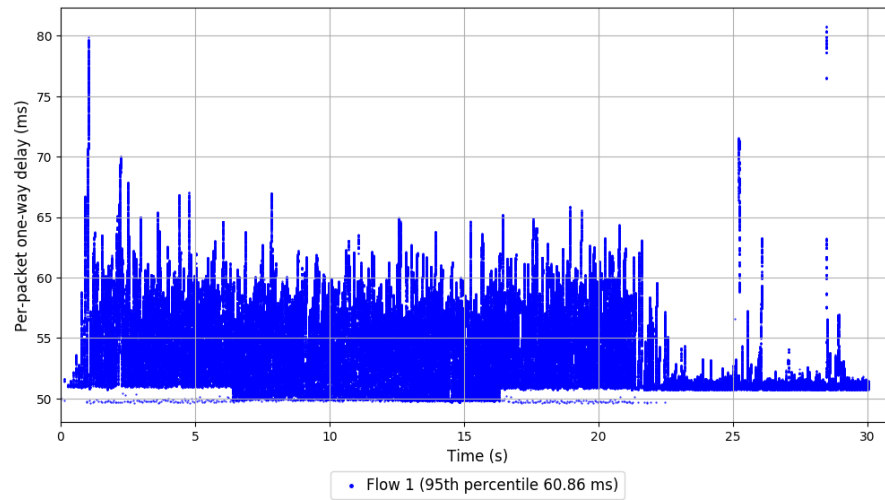
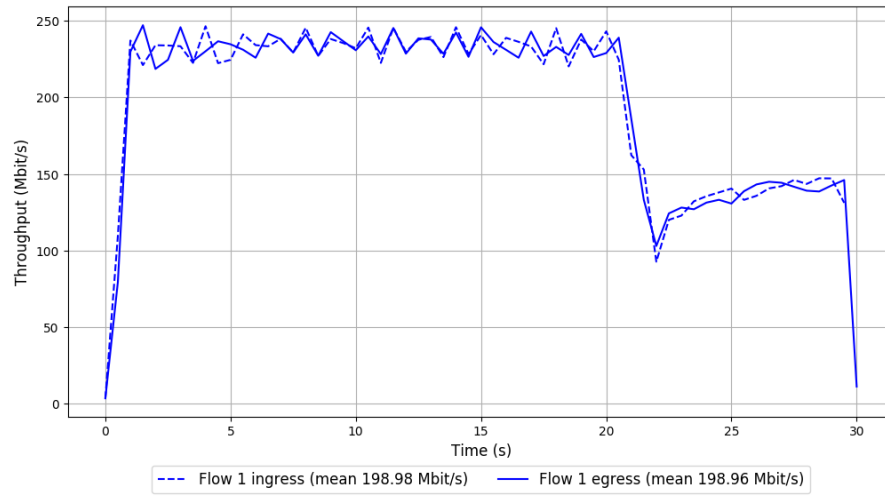
-- Flow 1:

Average throughput: 198.96 Mbit/s

95th percentile per-packet one-way delay: 60.859 ms

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 15:08:43

End at: 2018-04-24 15:09:14

Below is generated by plot.py at 2018-04-24 17:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.08 Mbit/s

95th percentile per-packet one-way delay: 55.793 ms

Loss rate: 0.00%

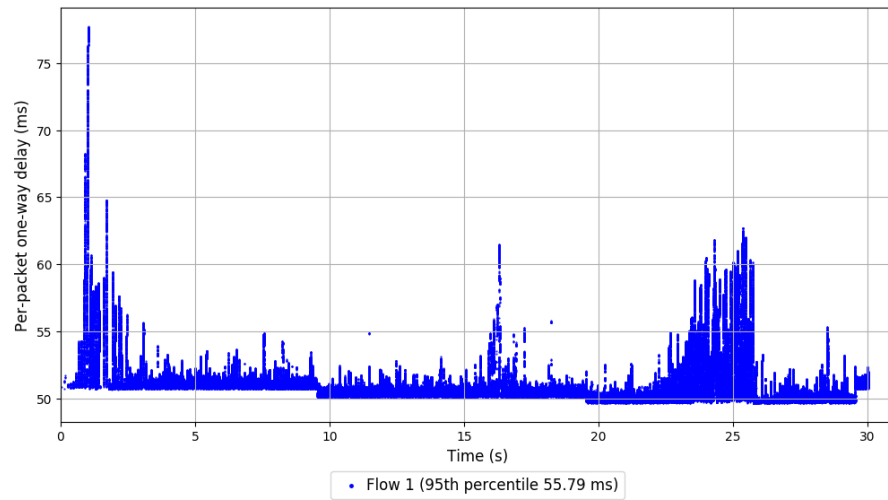
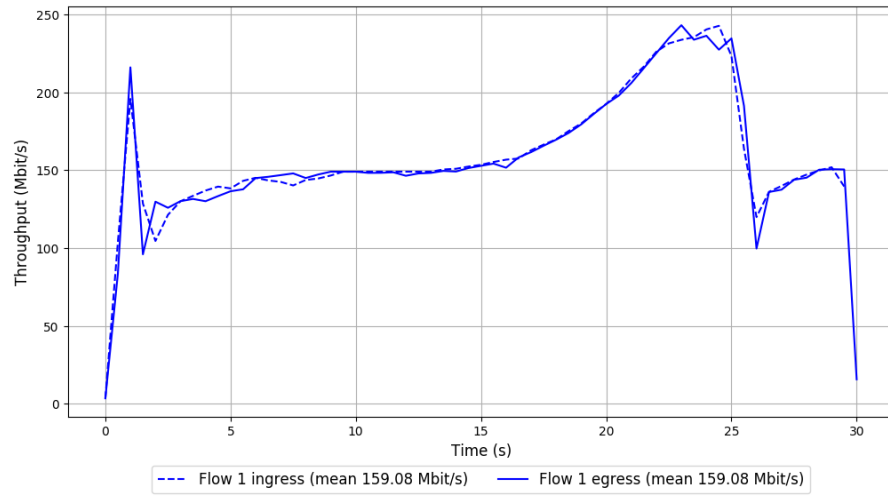
-- Flow 1:

Average throughput: 159.08 Mbit/s

95th percentile per-packet one-way delay: 55.793 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 15:21:42

End at: 2018-04-24 15:22:12

Below is generated by plot.py at 2018-04-24 17:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.12 Mbit/s

95th percentile per-packet one-way delay: 59.402 ms

Loss rate: 0.00%

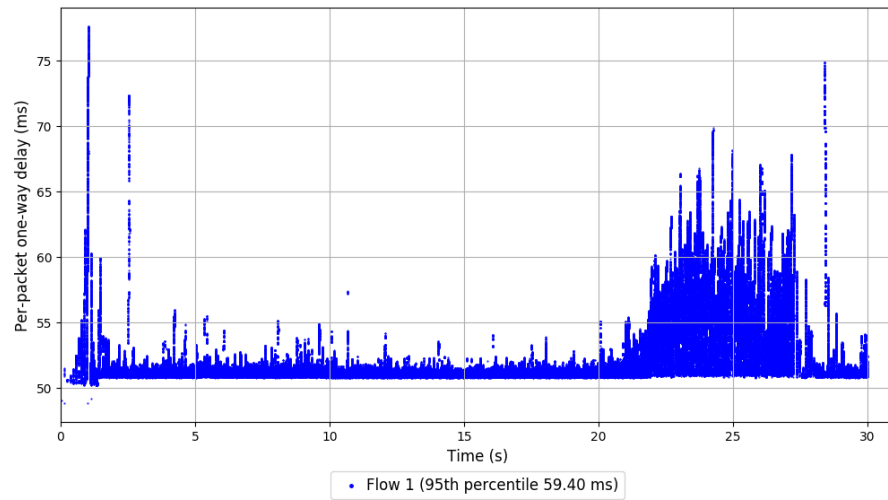
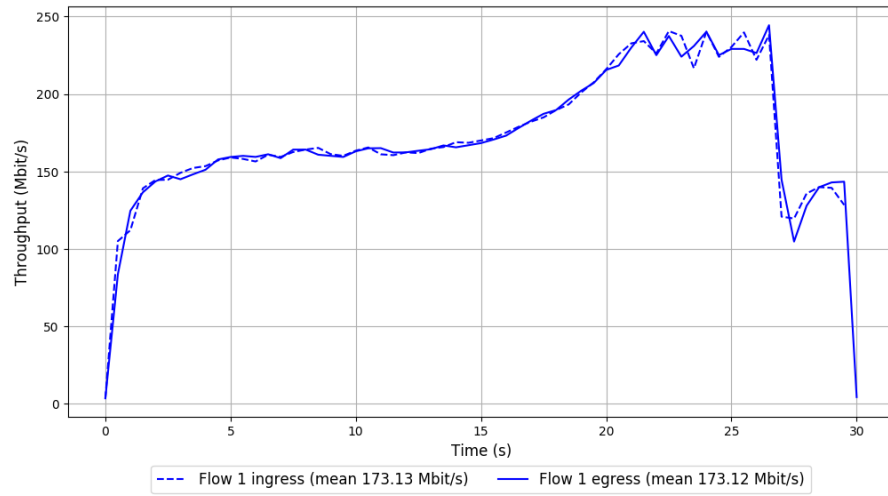
-- Flow 1:

Average throughput: 173.12 Mbit/s

95th percentile per-packet one-way delay: 59.402 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 15:34:33

End at: 2018-04-24 15:35:03

Below is generated by plot.py at 2018-04-24 17:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.05 Mbit/s

95th percentile per-packet one-way delay: 54.951 ms

Loss rate: 0.00%

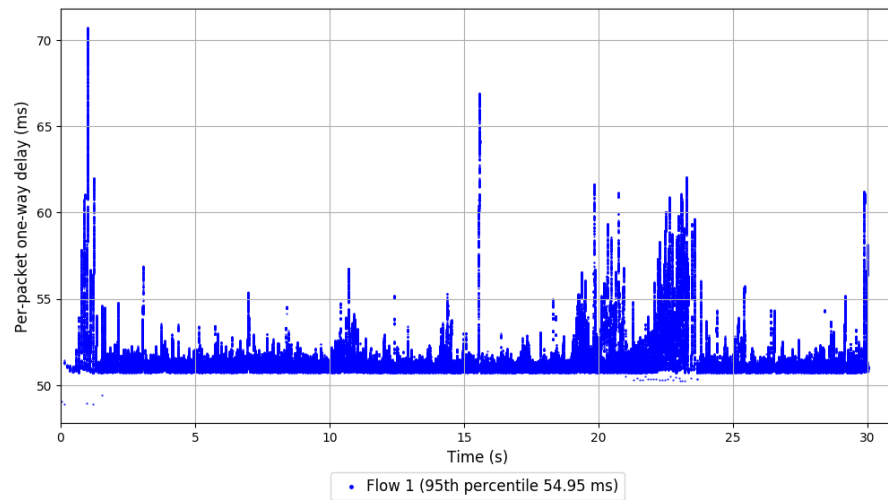
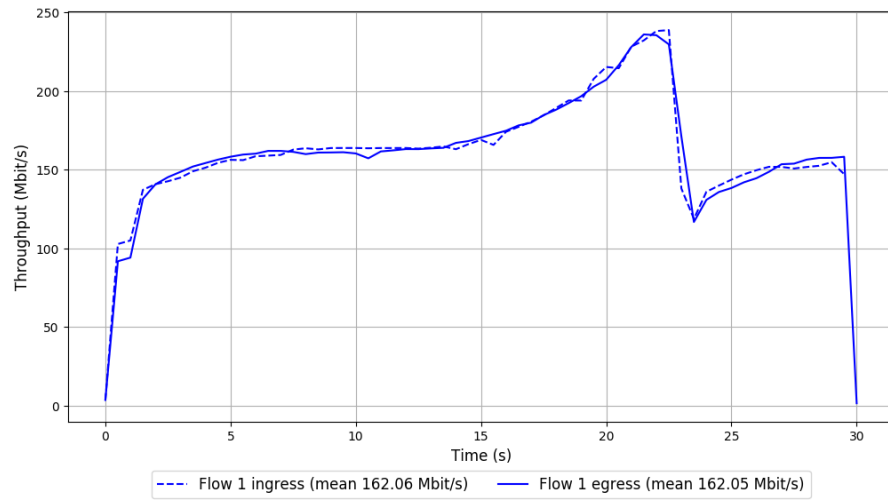
-- Flow 1:

Average throughput: 162.05 Mbit/s

95th percentile per-packet one-way delay: 54.951 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 15:47:38

End at: 2018-04-24 15:48:08

Below is generated by plot.py at 2018-04-24 17:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.62 Mbit/s

95th percentile per-packet one-way delay: 56.995 ms

Loss rate: 0.00%

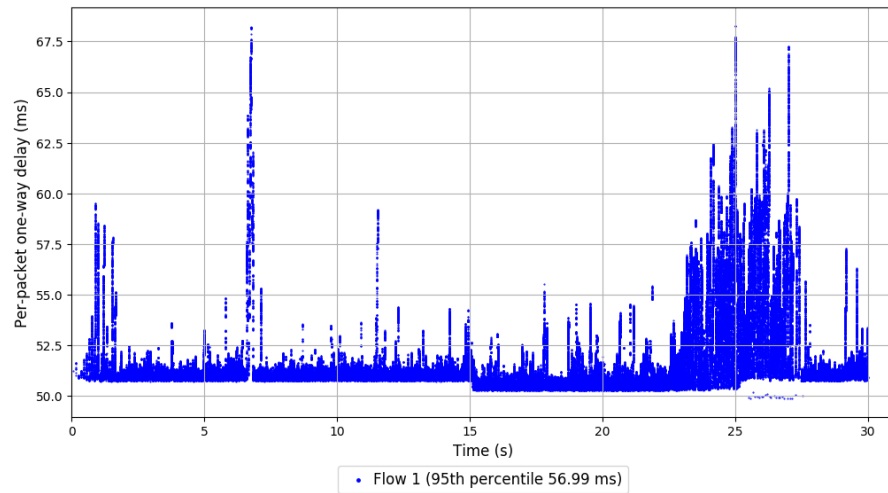
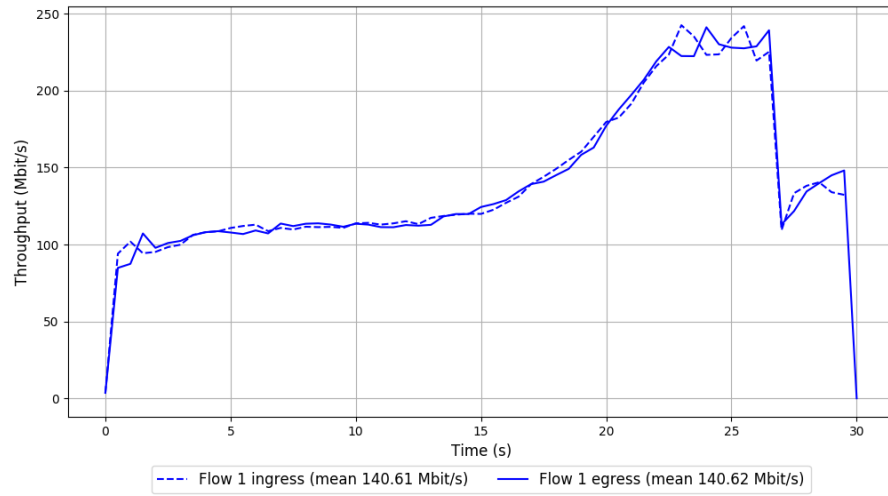
-- Flow 1:

Average throughput: 140.62 Mbit/s

95th percentile per-packet one-way delay: 56.995 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 16:00:29

End at: 2018-04-24 16:00:59

Below is generated by plot.py at 2018-04-24 17:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.24 Mbit/s

95th percentile per-packet one-way delay: 54.196 ms

Loss rate: 0.00%

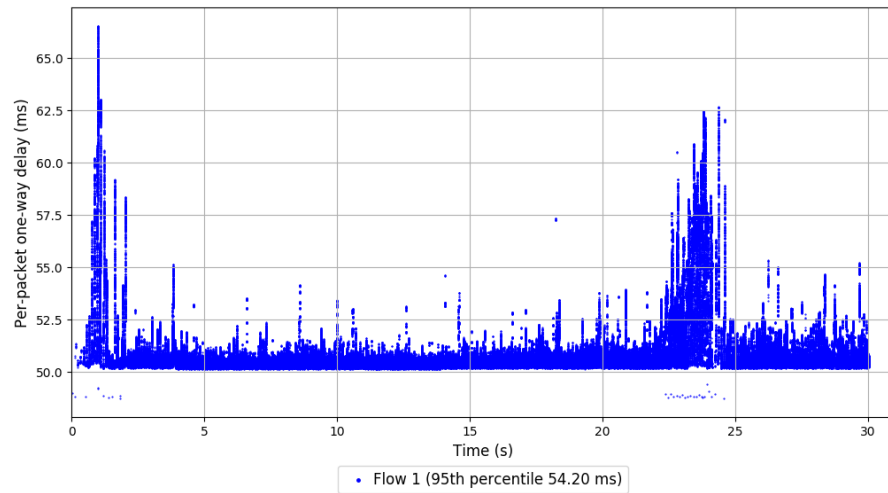
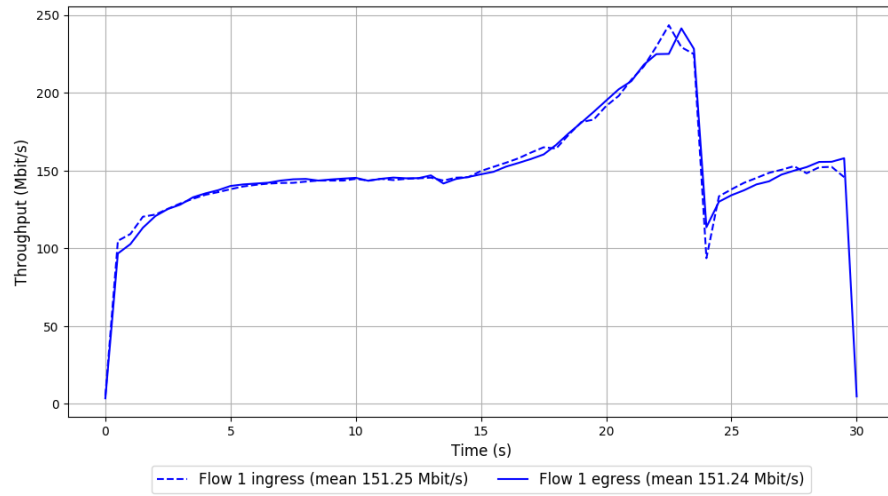
-- Flow 1:

Average throughput: 151.24 Mbit/s

95th percentile per-packet one-way delay: 54.196 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

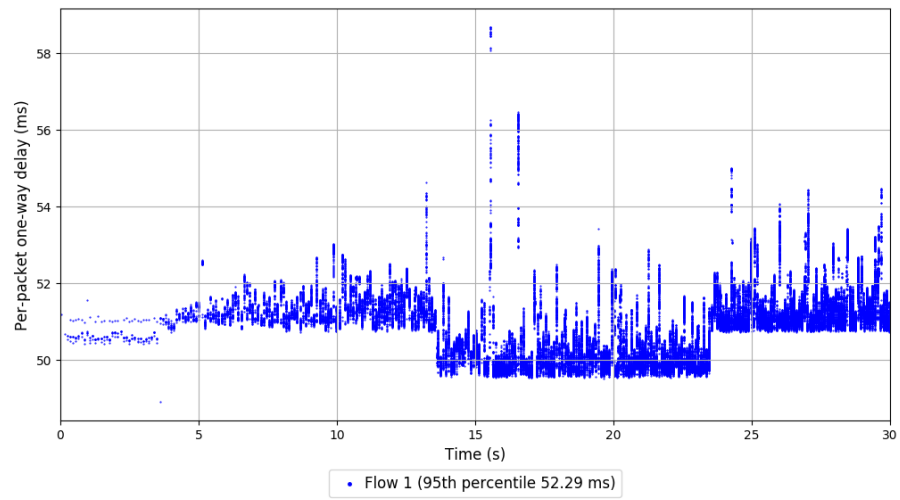
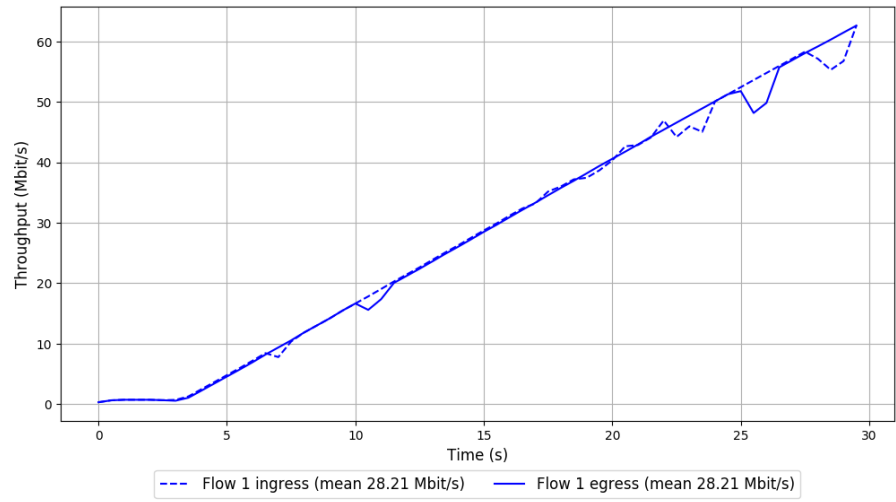


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 14:05:49
End at: 2018-04-24 14:06:19

# Below is generated by plot.py at 2018-04-24 17:43:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 52.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 52.290 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

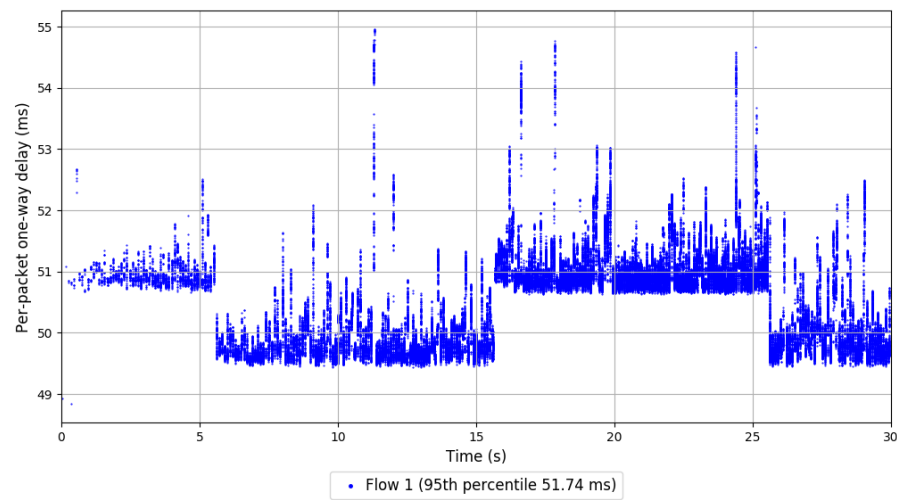
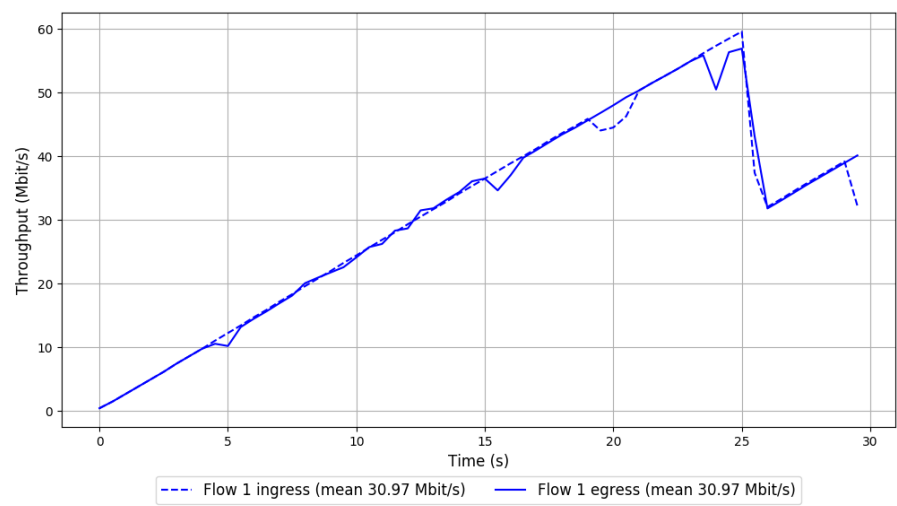


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-24 14:18:57
End at: 2018-04-24 14:19:27

# Below is generated by plot.py at 2018-04-24 17:43:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 51.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 51.741 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-24 14:32:03

End at: 2018-04-24 14:32:33

Below is generated by plot.py at 2018-04-24 17:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.36 Mbit/s

95th percentile per-packet one-way delay: 52.272 ms

Loss rate: 0.00%

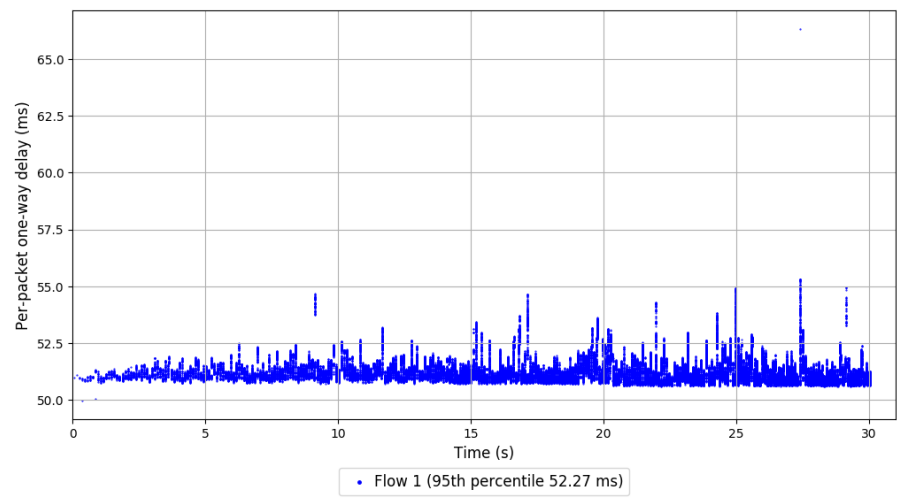
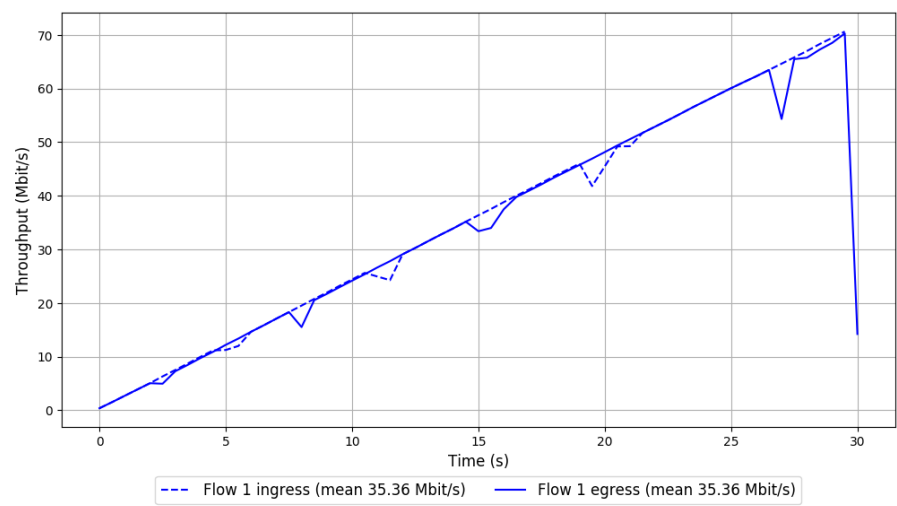
-- Flow 1:

Average throughput: 35.36 Mbit/s

95th percentile per-packet one-way delay: 52.272 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-24 14:44:59

End at: 2018-04-24 14:45:29

Below is generated by plot.py at 2018-04-24 17:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 52.025 ms

Loss rate: 0.00%

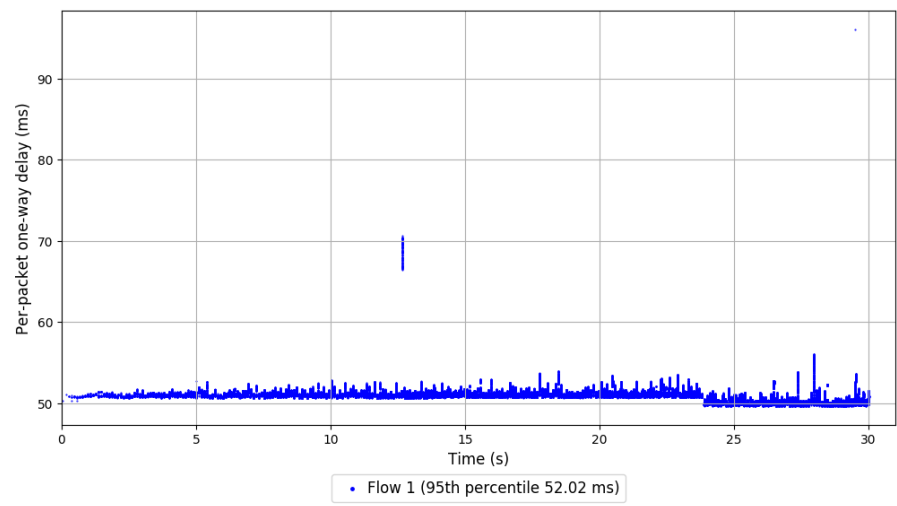
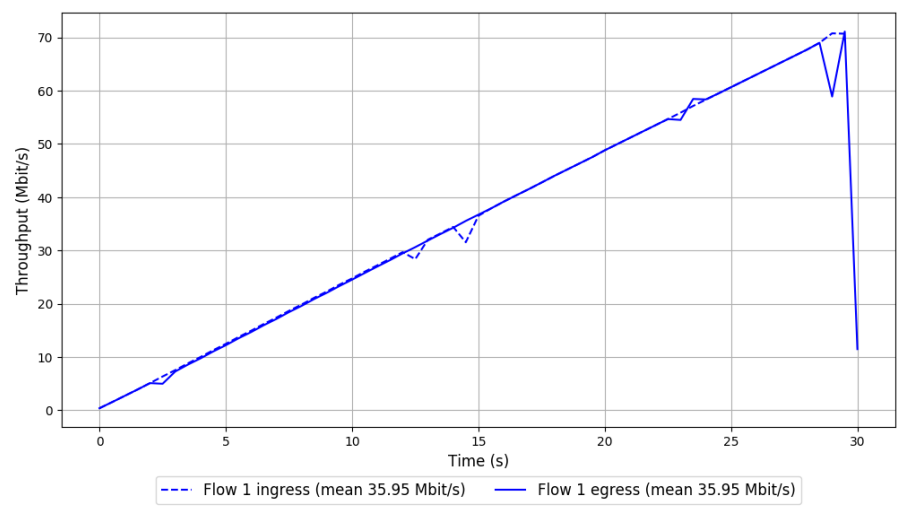
-- Flow 1:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 52.025 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-24 14:58:02

End at: 2018-04-24 14:58:32

Below is generated by plot.py at 2018-04-24 17:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.79 Mbit/s

95th percentile per-packet one-way delay: 51.433 ms

Loss rate: 0.00%

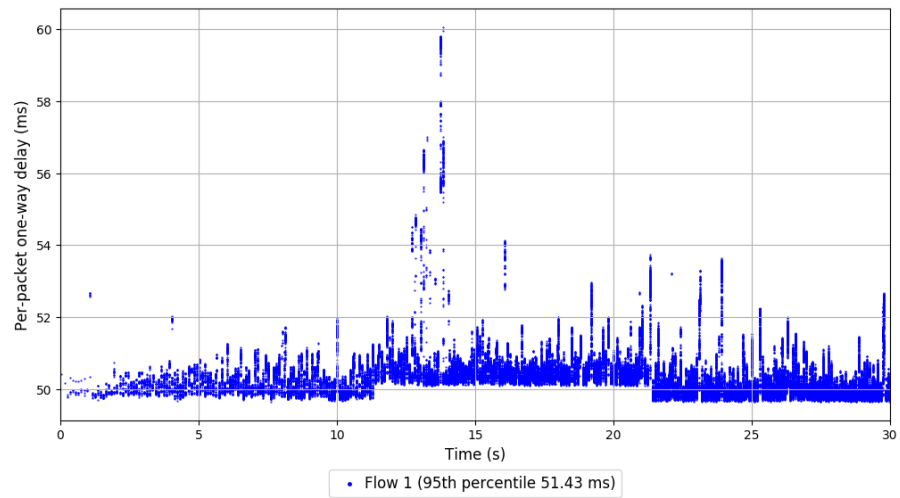
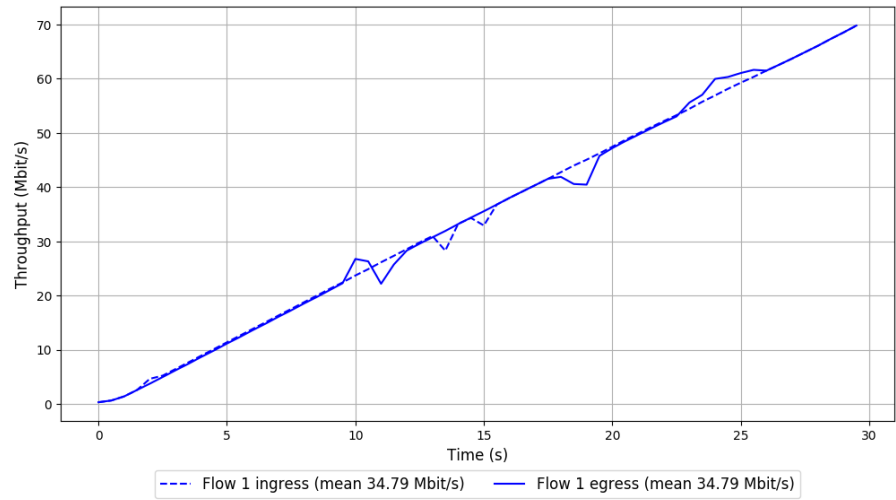
-- Flow 1:

Average throughput: 34.79 Mbit/s

95th percentile per-packet one-way delay: 51.433 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-24 15:10:57

End at: 2018-04-24 15:11:27

Below is generated by plot.py at 2018-04-24 17:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: 52.321 ms

Loss rate: 0.01%

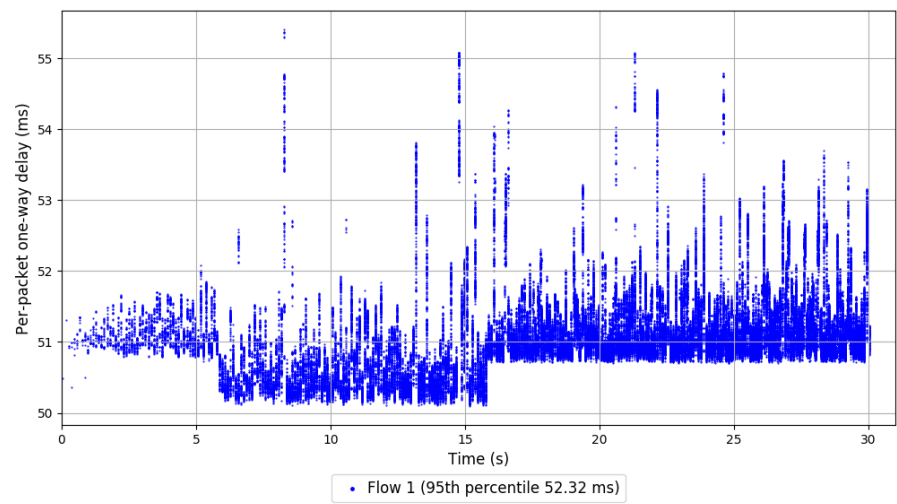
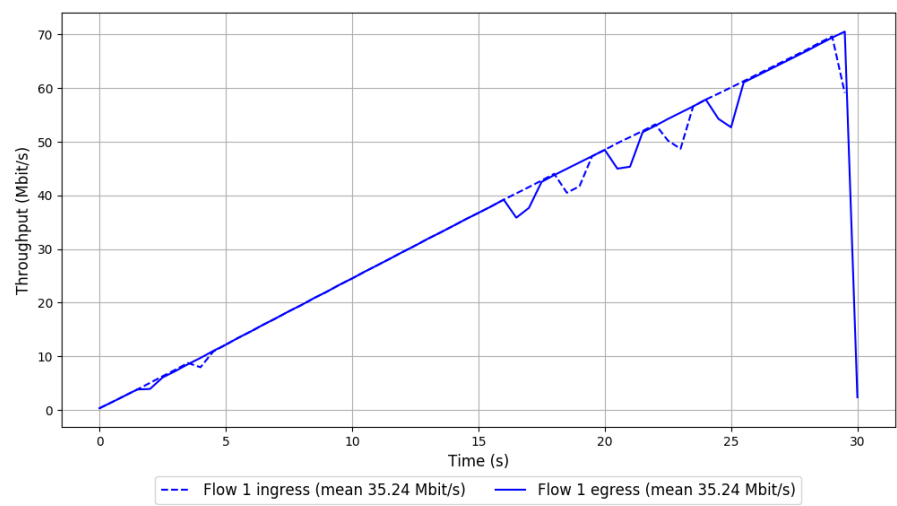
-- Flow 1:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: 52.321 ms

Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-24 15:23:56

End at: 2018-04-24 15:24:26

Below is generated by plot.py at 2018-04-24 17:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: 52.206 ms

Loss rate: 0.00%

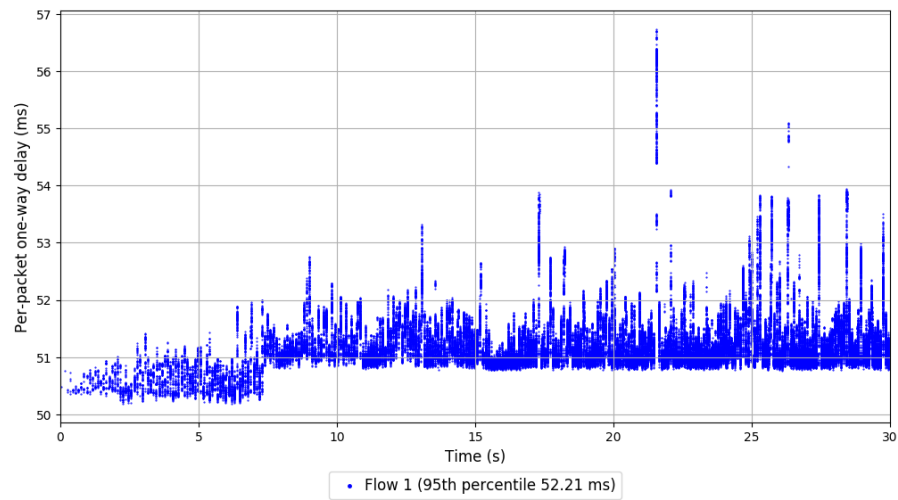
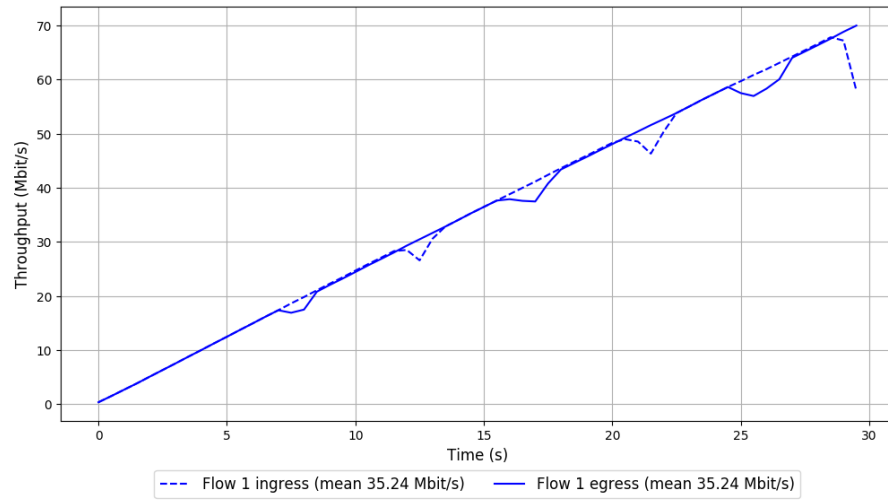
-- Flow 1:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: 52.206 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 15:36:46

End at: 2018-04-24 15:37:16

Below is generated by plot.py at 2018-04-24 17:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.92 Mbit/s

95th percentile per-packet one-way delay: 52.047 ms

Loss rate: 0.00%

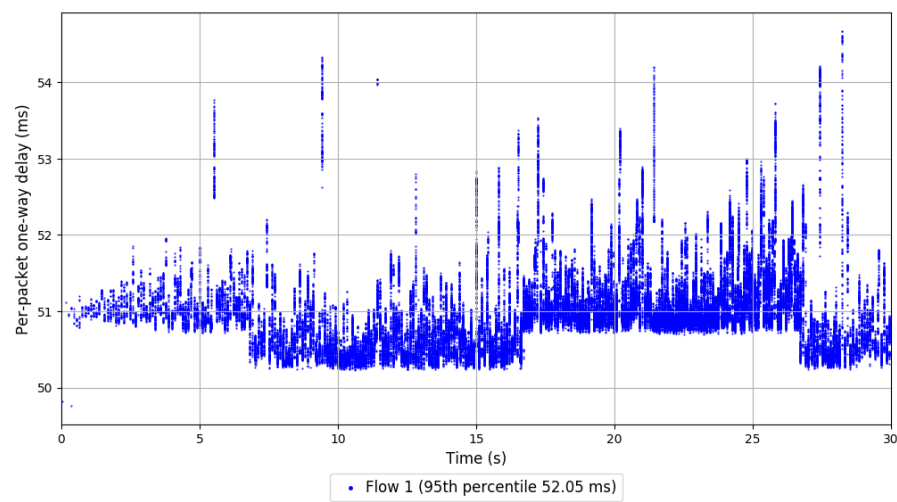
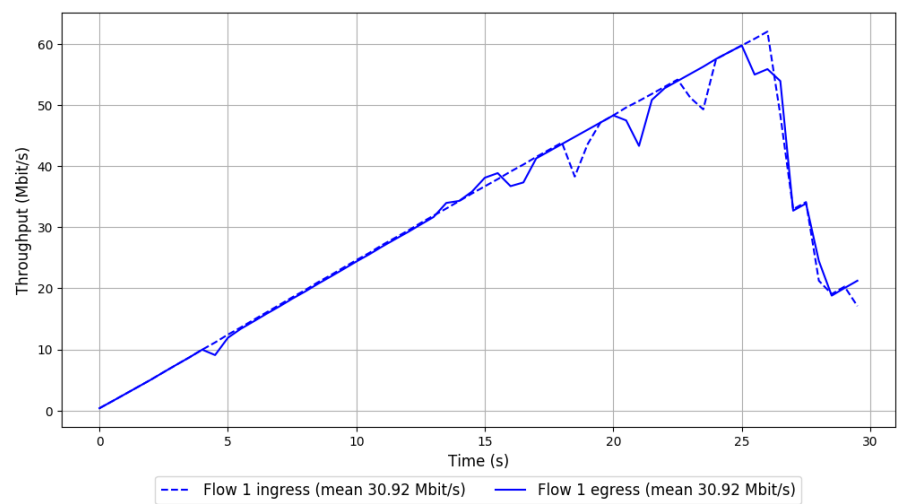
-- Flow 1:

Average throughput: 30.92 Mbit/s

95th percentile per-packet one-way delay: 52.047 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 15:49:50

End at: 2018-04-24 15:50:20

Below is generated by plot.py at 2018-04-24 17:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 51.893 ms

Loss rate: 0.03%

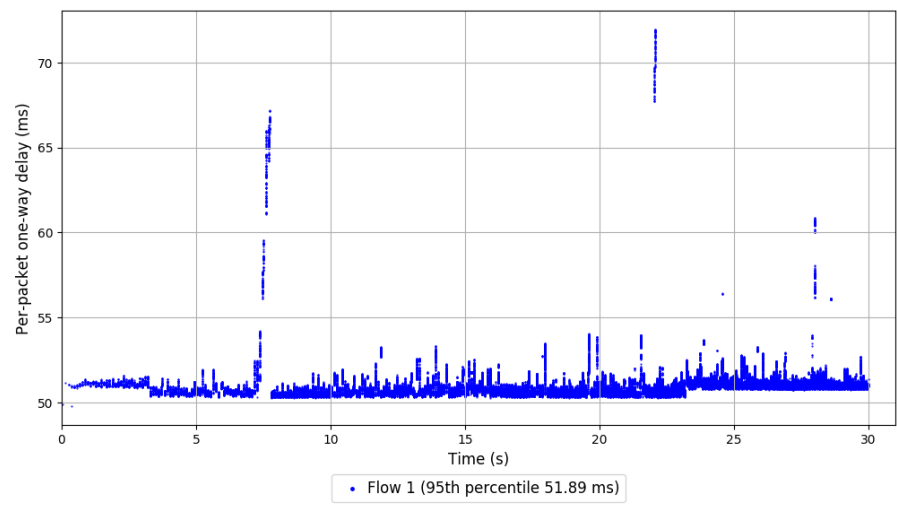
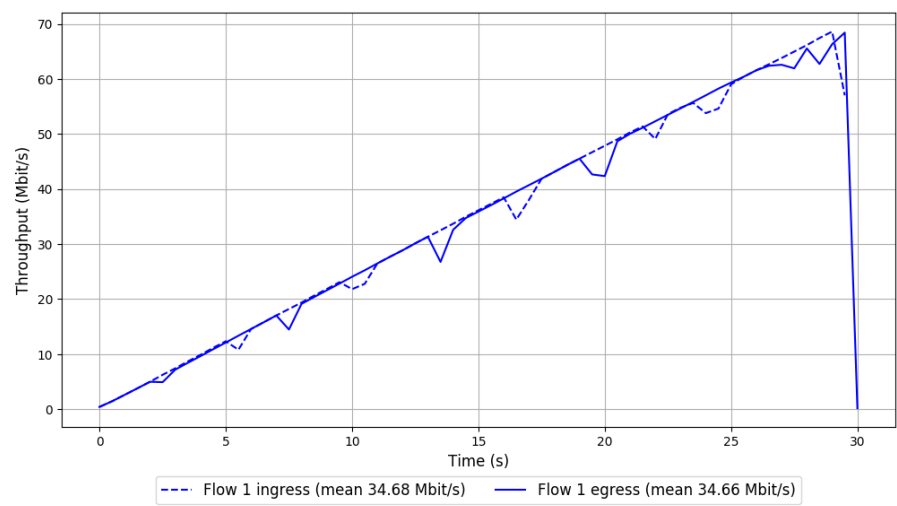
-- Flow 1:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 51.893 ms

Loss rate: 0.03%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 16:02:43

End at: 2018-04-24 16:03:13

Below is generated by plot.py at 2018-04-24 17:43:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.68 Mbit/s

95th percentile per-packet one-way delay: 52.059 ms

Loss rate: 0.00%

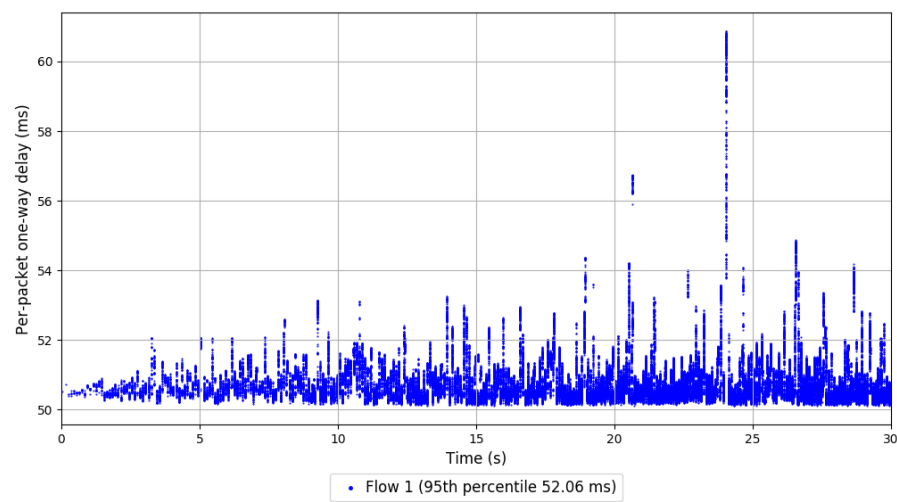
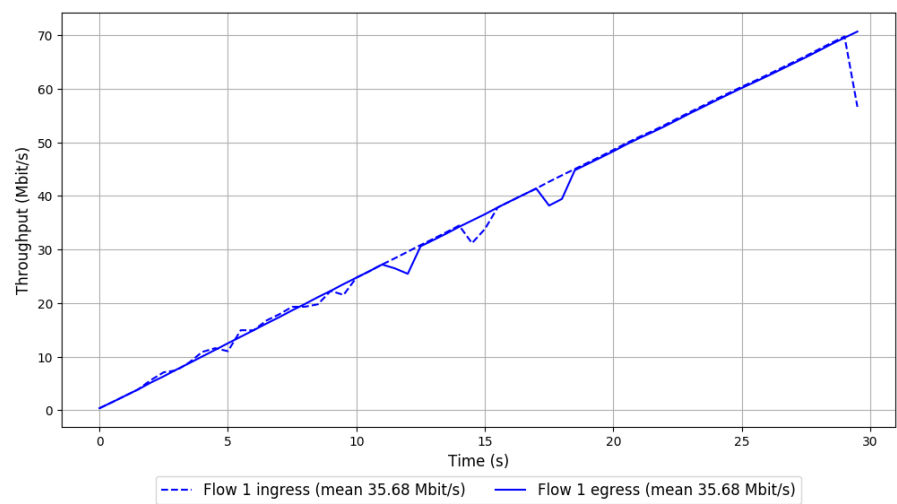
-- Flow 1:

Average throughput: 35.68 Mbit/s

95th percentile per-packet one-way delay: 52.059 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

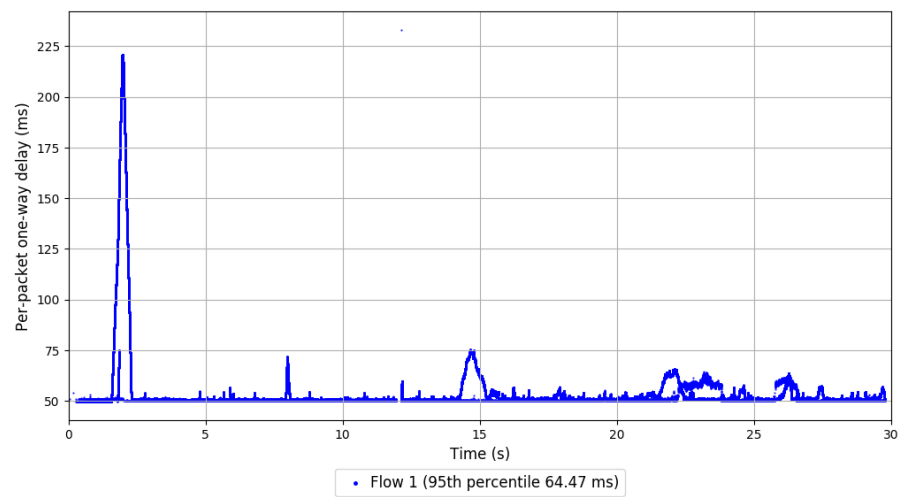
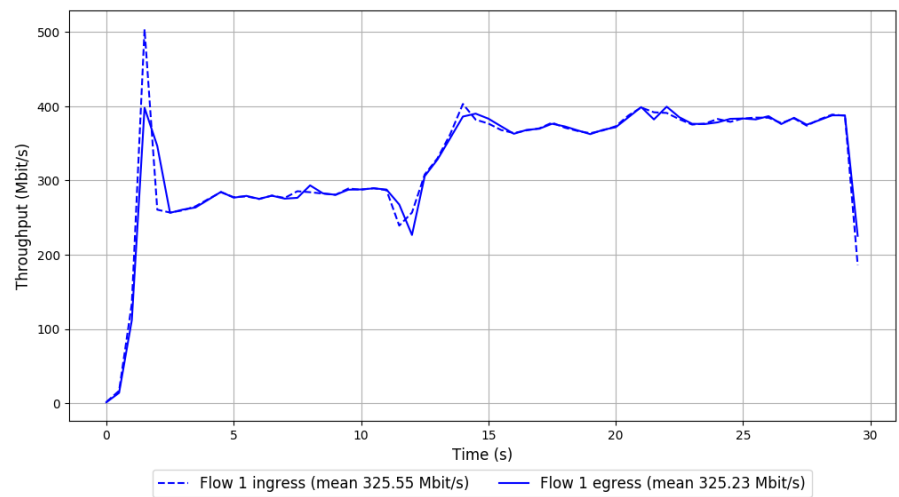


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 14:09:31
End at: 2018-04-24 14:10:01

# Below is generated by plot.py at 2018-04-24 17:48:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.23 Mbit/s
95th percentile per-packet one-way delay: 64.469 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 325.23 Mbit/s
95th percentile per-packet one-way delay: 64.469 ms
Loss rate: 0.10%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 14:22:36

End at: 2018-04-24 14:23:06

Below is generated by plot.py at 2018-04-24 17:48:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.61 Mbit/s

95th percentile per-packet one-way delay: 97.924 ms

Loss rate: 0.02%

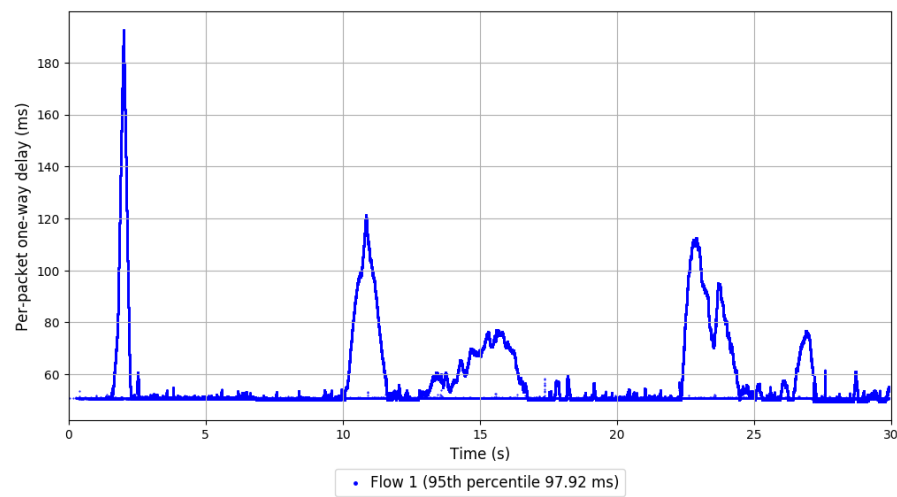
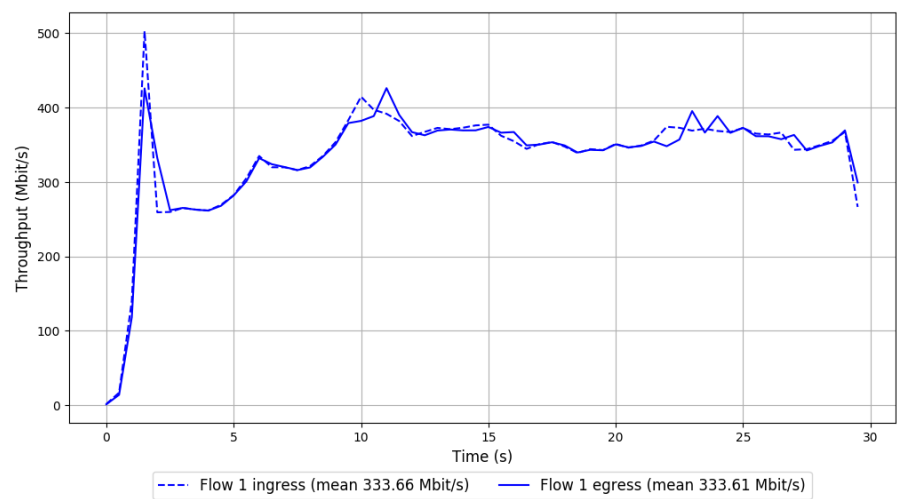
-- Flow 1:

Average throughput: 333.61 Mbit/s

95th percentile per-packet one-way delay: 97.924 ms

Loss rate: 0.02%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 14:35:40

End at: 2018-04-24 14:36:10

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.87 Mbit/s

95th percentile per-packet one-way delay: 78.824 ms

Loss rate: 0.03%

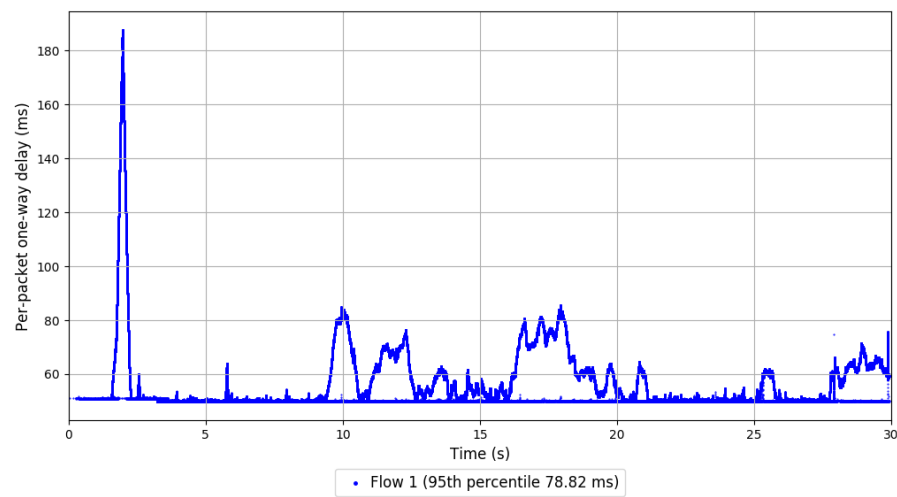
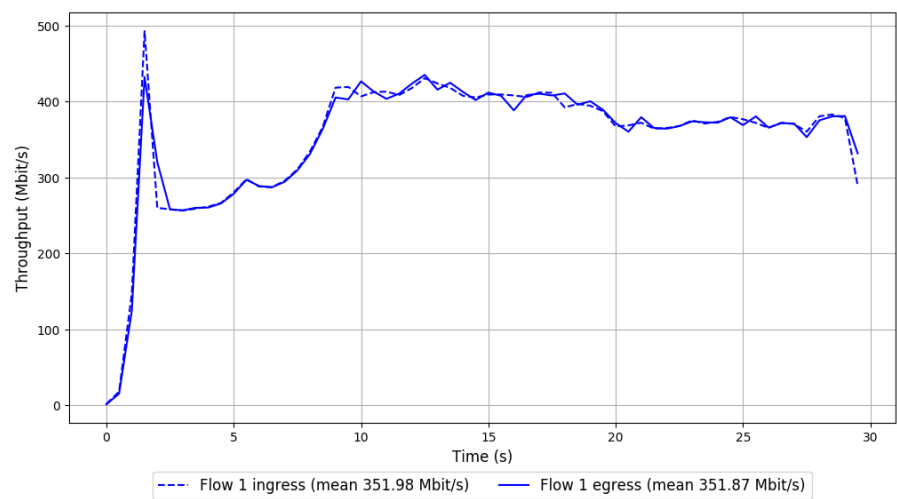
-- Flow 1:

Average throughput: 351.87 Mbit/s

95th percentile per-packet one-way delay: 78.824 ms

Loss rate: 0.03%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 14:48:36

End at: 2018-04-24 14:49:06

Below is generated by plot.py at 2018-04-24 17:48:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 310.13 Mbit/s

95th percentile per-packet one-way delay: 63.196 ms

Loss rate: 0.06%

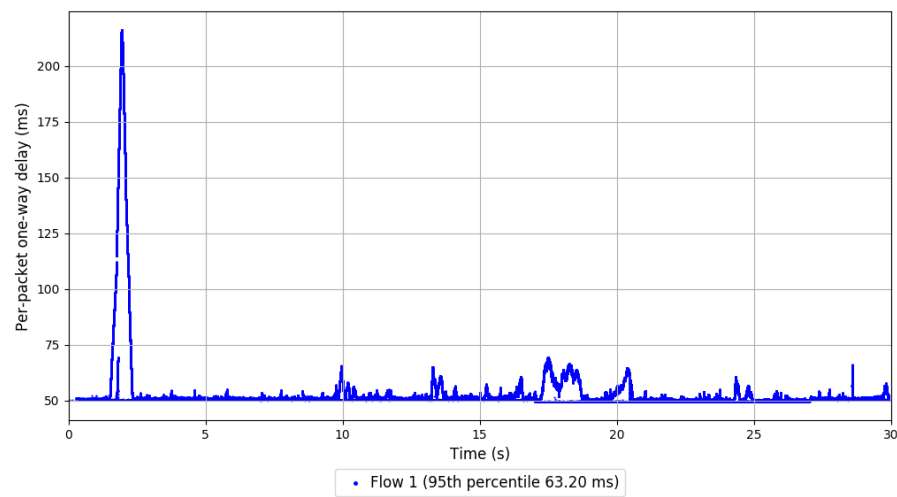
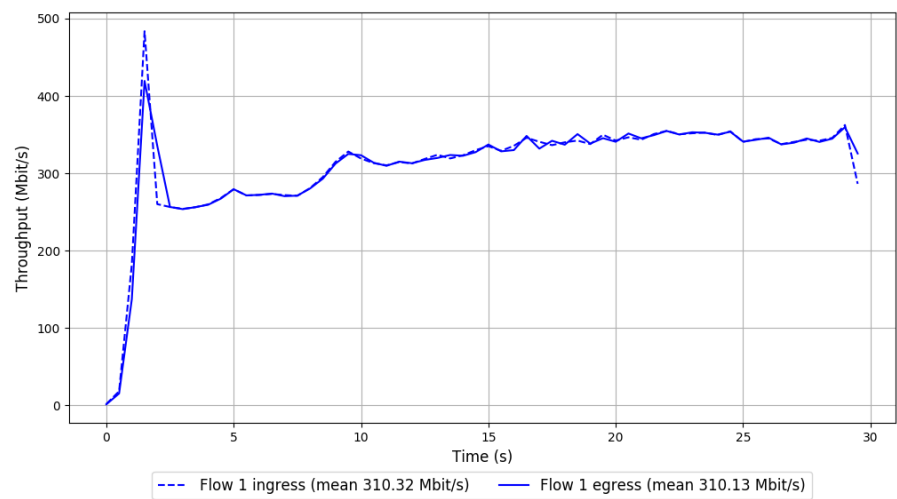
-- Flow 1:

Average throughput: 310.13 Mbit/s

95th percentile per-packet one-way delay: 63.196 ms

Loss rate: 0.06%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 15:01:37

End at: 2018-04-24 15:02:07

Below is generated by plot.py at 2018-04-24 17:49:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.79 Mbit/s

95th percentile per-packet one-way delay: 142.484 ms

Loss rate: 0.02%

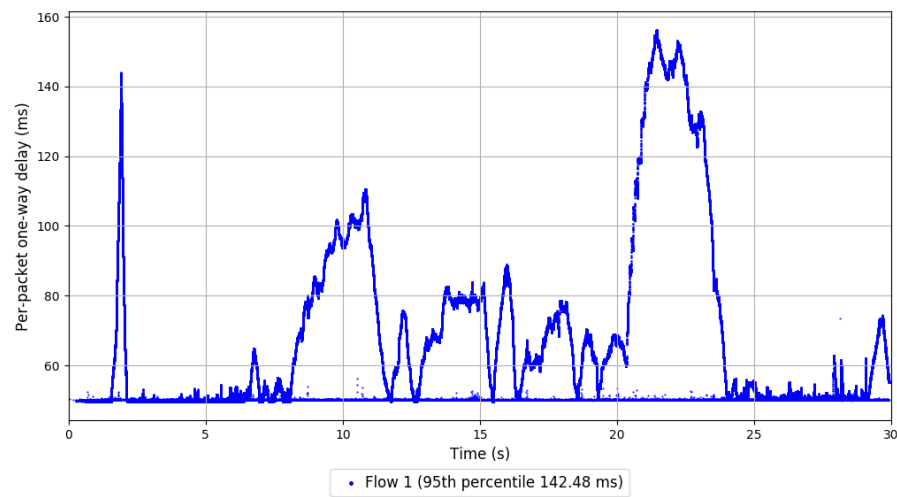
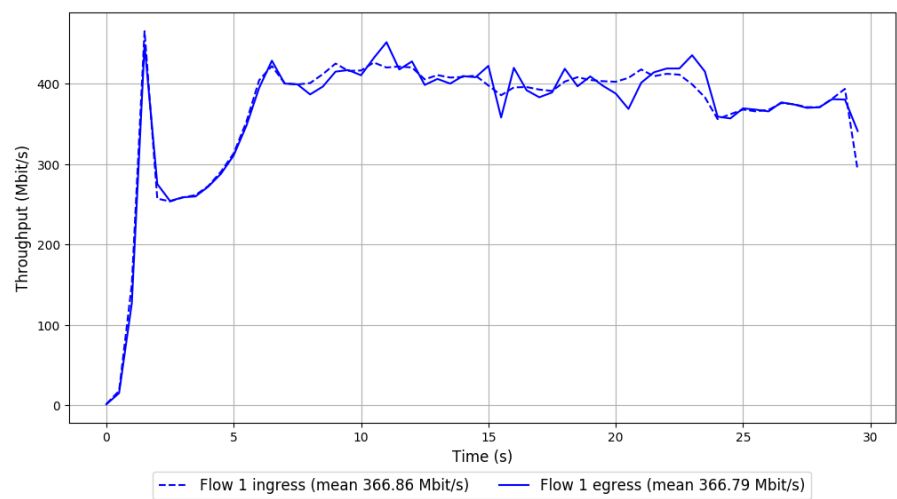
-- Flow 1:

Average throughput: 366.79 Mbit/s

95th percentile per-packet one-way delay: 142.484 ms

Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 15:14:34

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

Below is generated by plot.py at 2018-04-24 17:49:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.18 Mbit/s

95th percentile per-packet one-way delay: 59.765 ms

Loss rate: 0.03%

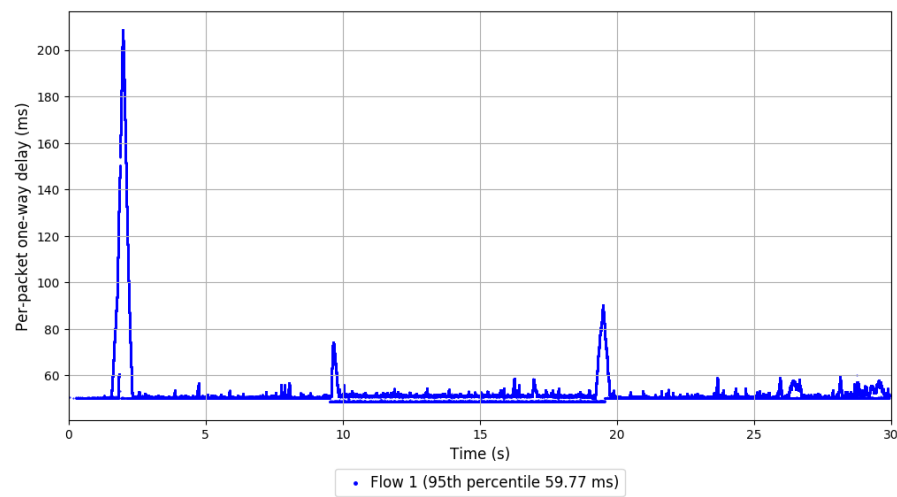
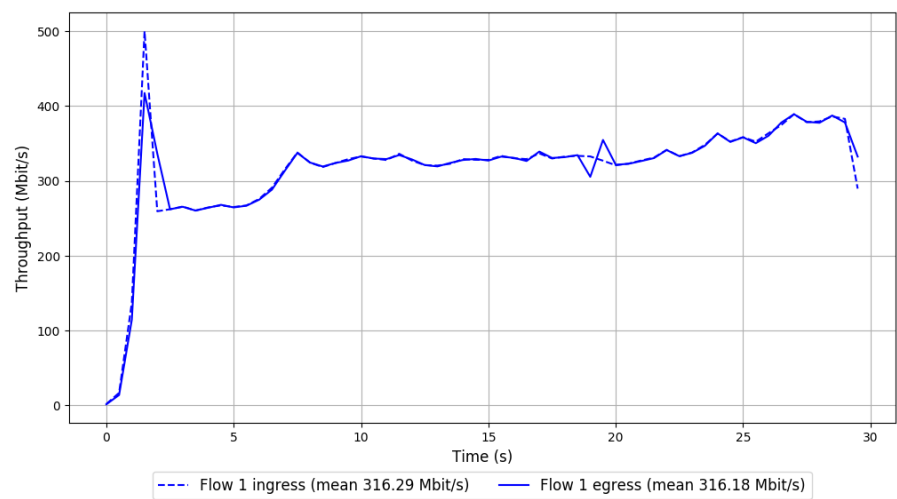
-- Flow 1:

Average throughput: 316.18 Mbit/s

95th percentile per-packet one-way delay: 59.765 ms

Loss rate: 0.03%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 15:27:40

End at: 2018-04-24 15:28:10

Below is generated by plot.py at 2018-04-24 17:49:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.35 Mbit/s

95th percentile per-packet one-way delay: 79.157 ms

Loss rate: 0.06%

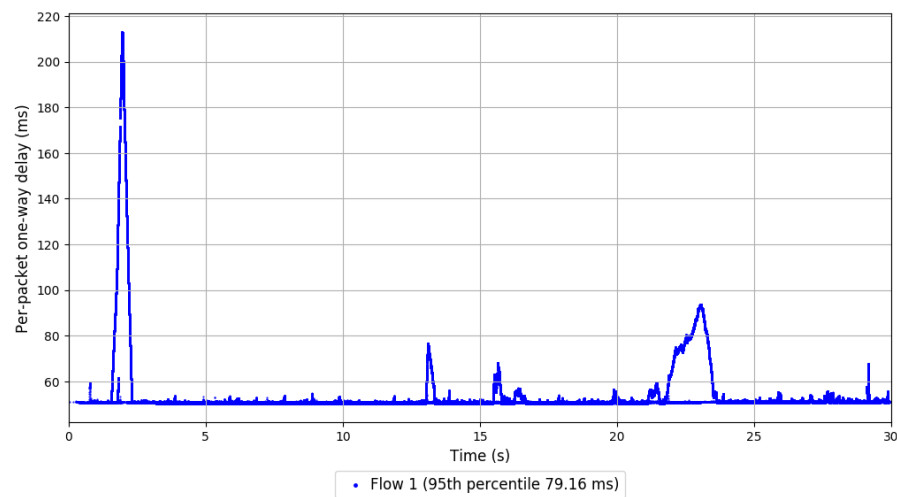
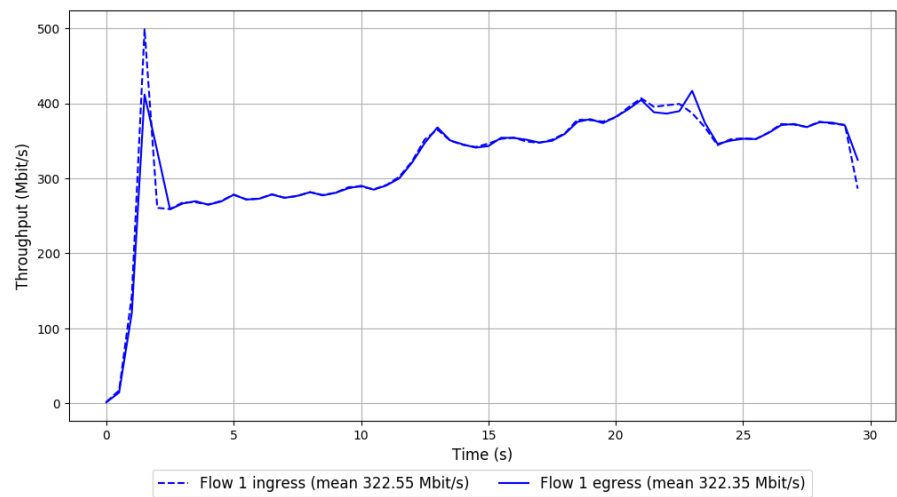
-- Flow 1:

Average throughput: 322.35 Mbit/s

95th percentile per-packet one-way delay: 79.157 ms

Loss rate: 0.06%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 15:40:24

End at: 2018-04-24 15:40:54

Below is generated by plot.py at 2018-04-24 17:49:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.98 Mbit/s

95th percentile per-packet one-way delay: 65.063 ms

Loss rate: 0.04%

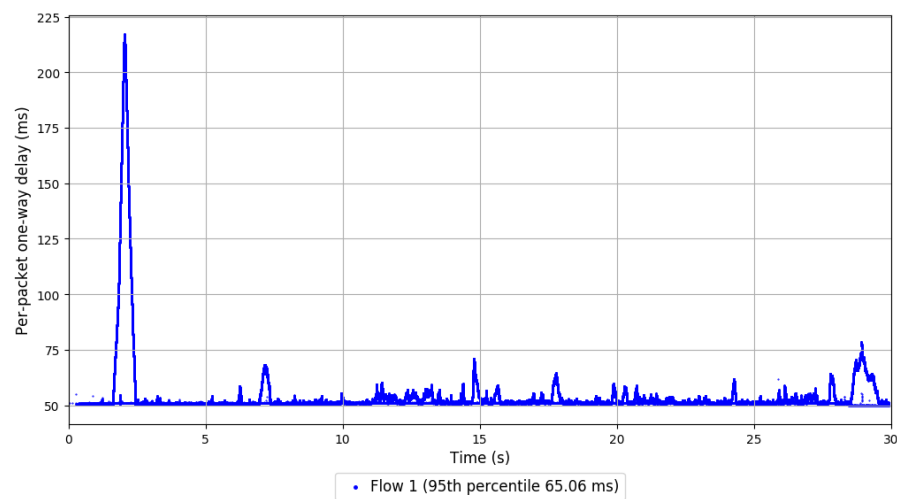
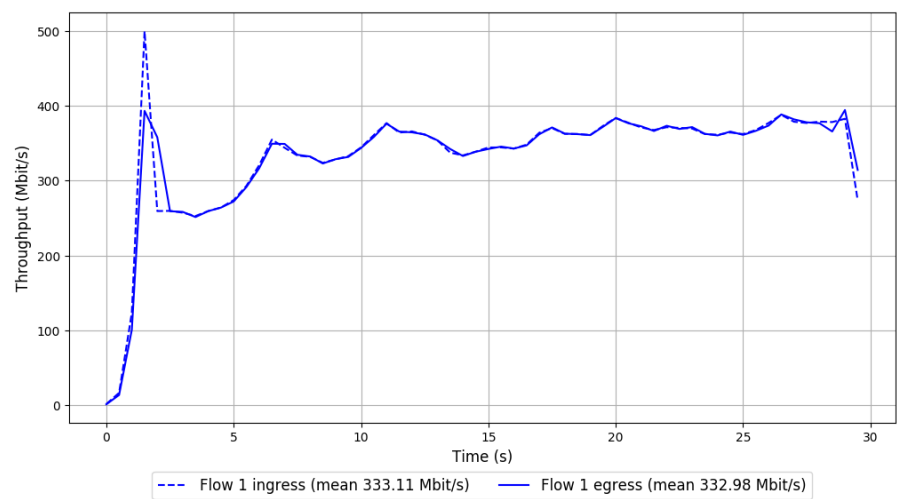
-- Flow 1:

Average throughput: 332.98 Mbit/s

95th percentile per-packet one-way delay: 65.063 ms

Loss rate: 0.04%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 15:53:23

End at: 2018-04-24 15:53:53

Below is generated by plot.py at 2018-04-24 17:53:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 313.19 Mbit/s

95th percentile per-packet one-way delay: 71.771 ms

Loss rate: 0.03%

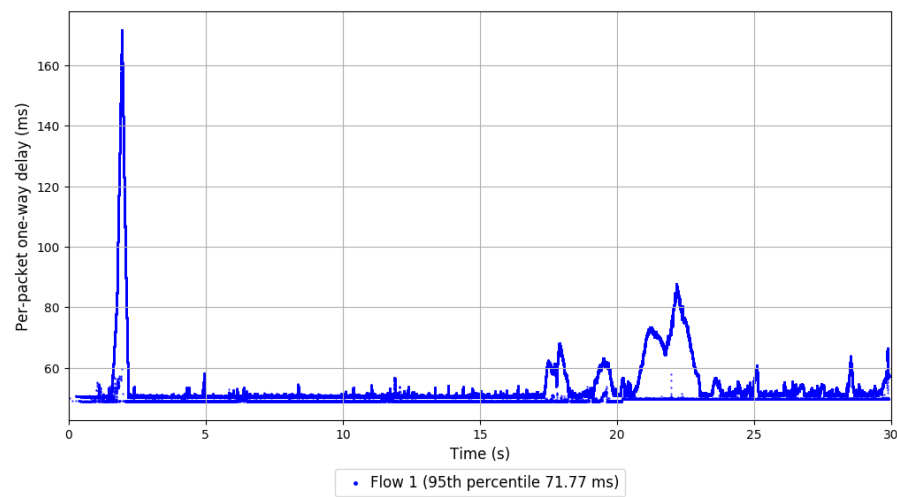
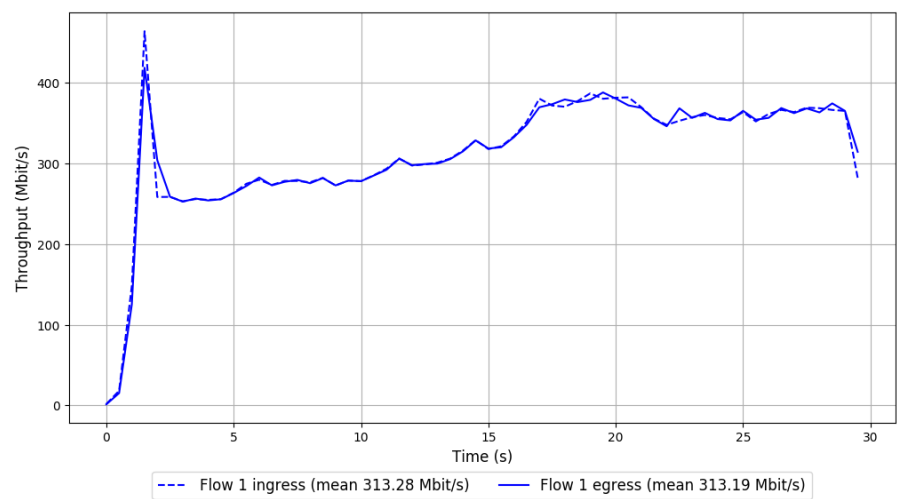
-- Flow 1:

Average throughput: 313.19 Mbit/s

95th percentile per-packet one-way delay: 71.771 ms

Loss rate: 0.03%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 16:06:21

End at: 2018-04-24 16:06:51

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.07 Mbit/s

95th percentile per-packet one-way delay: 107.339 ms

Loss rate: 0.00%

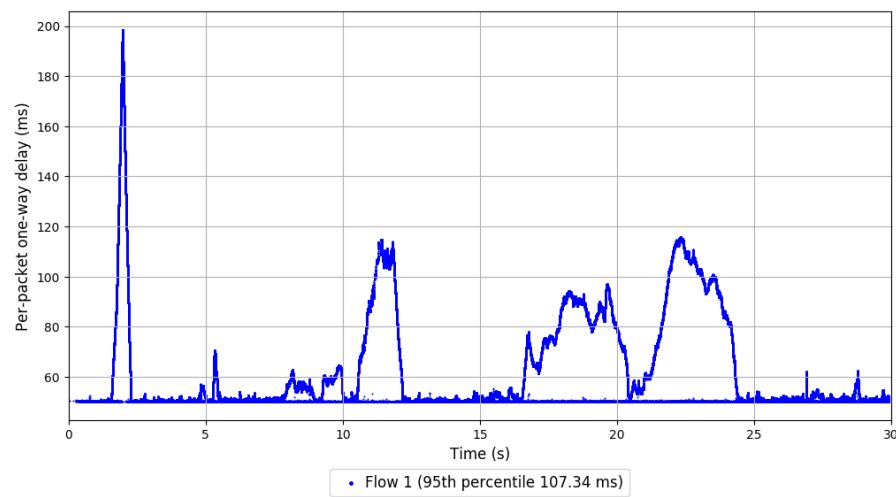
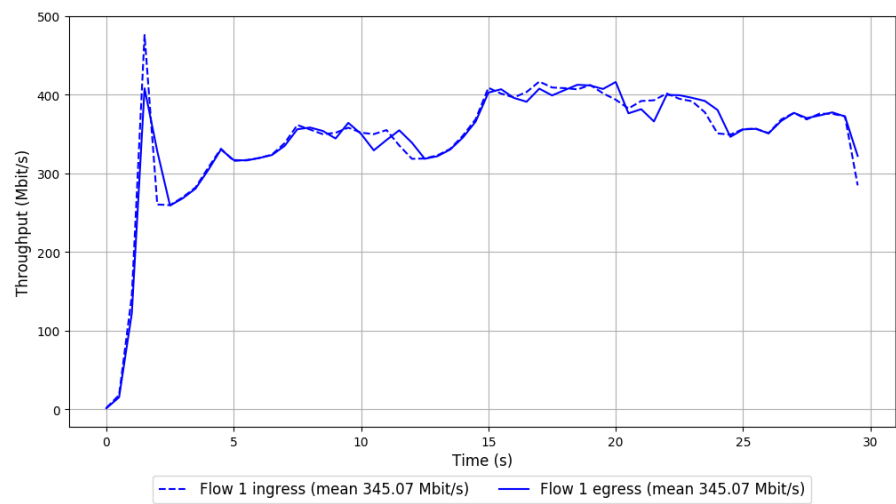
-- Flow 1:

Average throughput: 345.07 Mbit/s

95th percentile per-packet one-way delay: 107.339 ms

Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

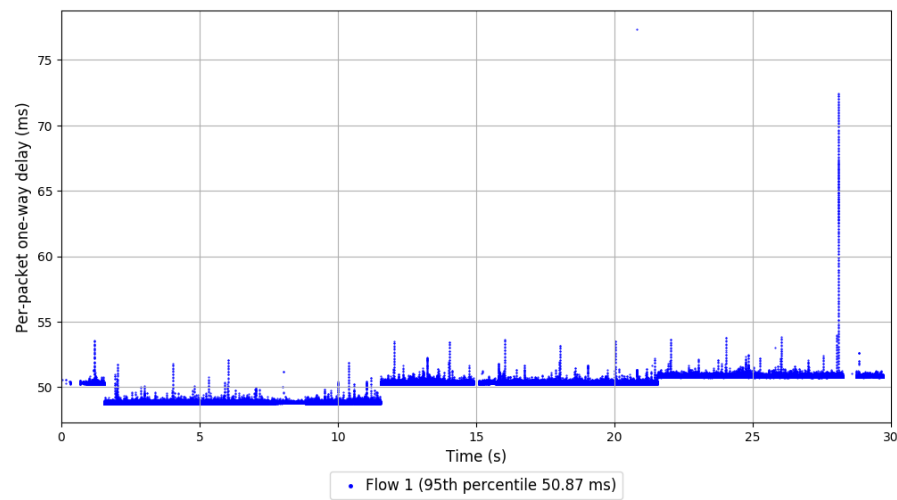
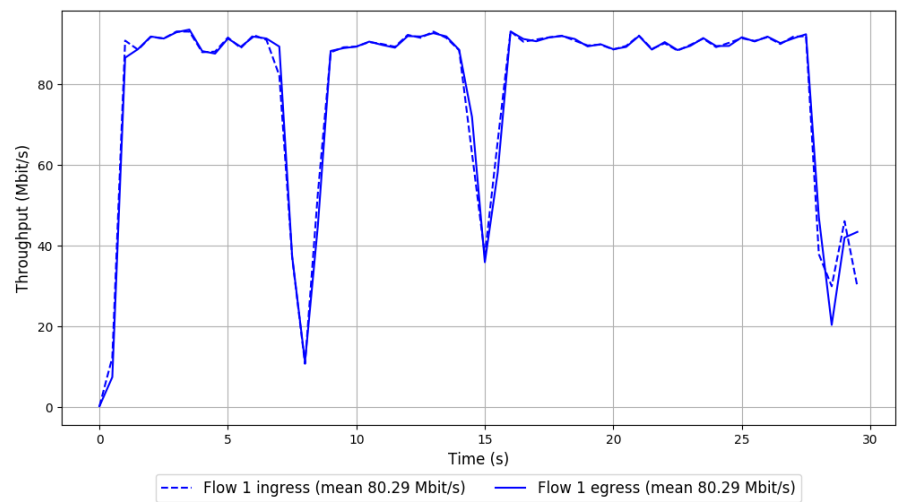


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 14:04:21
End at: 2018-04-24 14:04:51

# Below is generated by plot.py at 2018-04-24 17:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 50.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 50.871 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 14:17:29

End at: 2018-04-24 14:17:59

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 50.931 ms

Loss rate: 0.00%

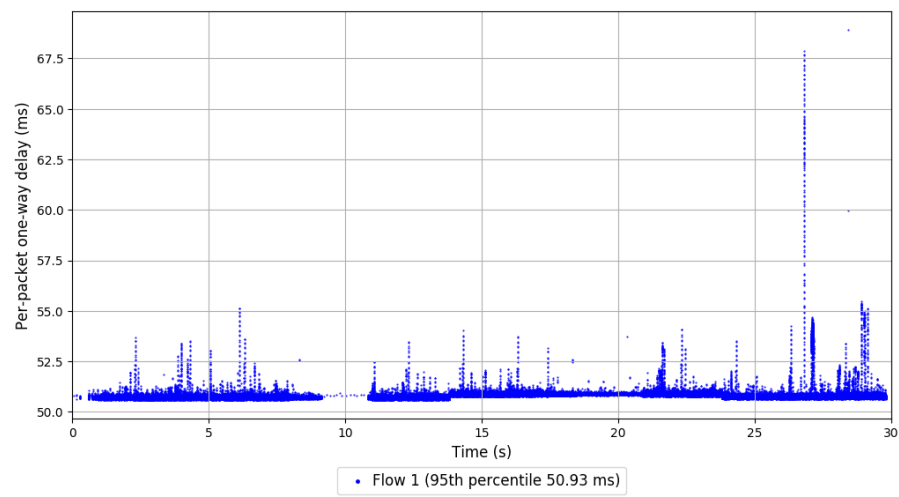
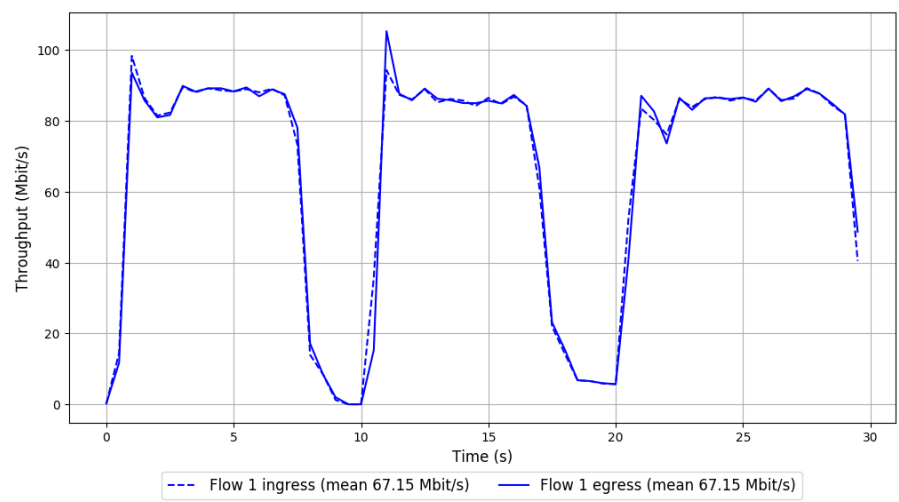
-- Flow 1:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 50.931 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 14:30:35

End at: 2018-04-24 14:31:05

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.48 Mbit/s

95th percentile per-packet one-way delay: 50.710 ms

Loss rate: 0.00%

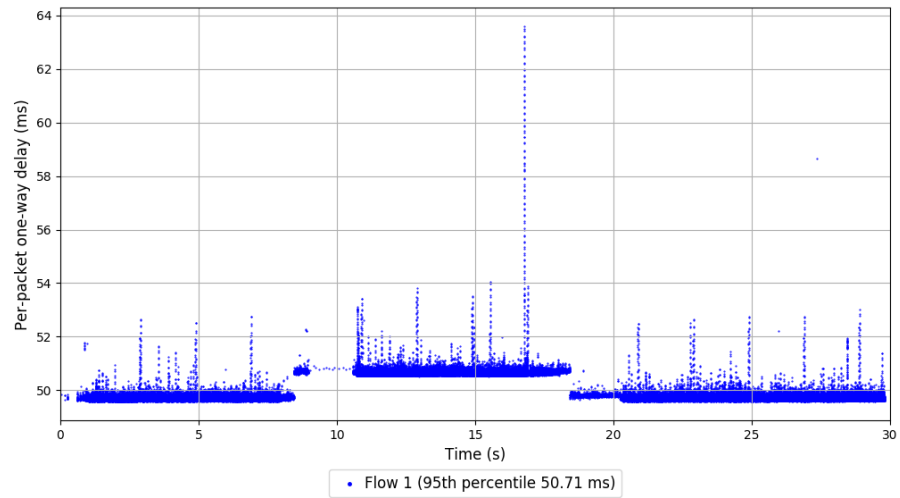
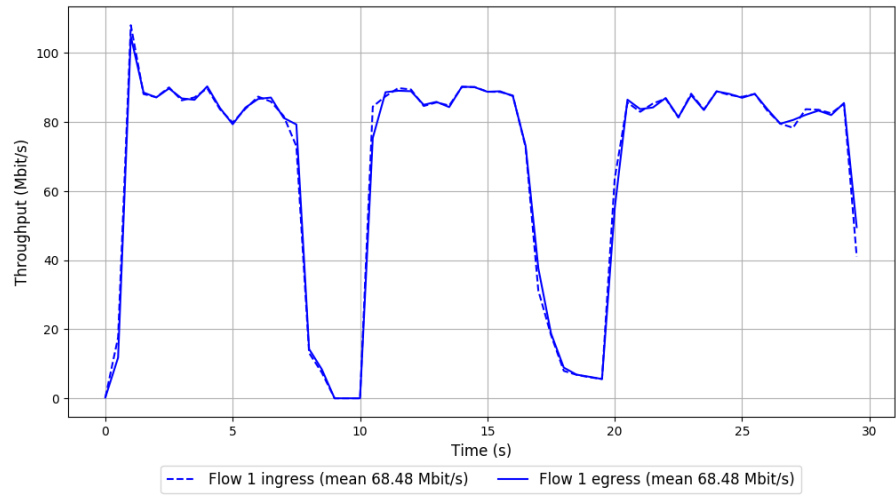
-- Flow 1:

Average throughput: 68.48 Mbit/s

95th percentile per-packet one-way delay: 50.710 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 14:43:31

End at: 2018-04-24 14:44:01

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.34 Mbit/s

95th percentile per-packet one-way delay: 49.755 ms

Loss rate: 0.00%

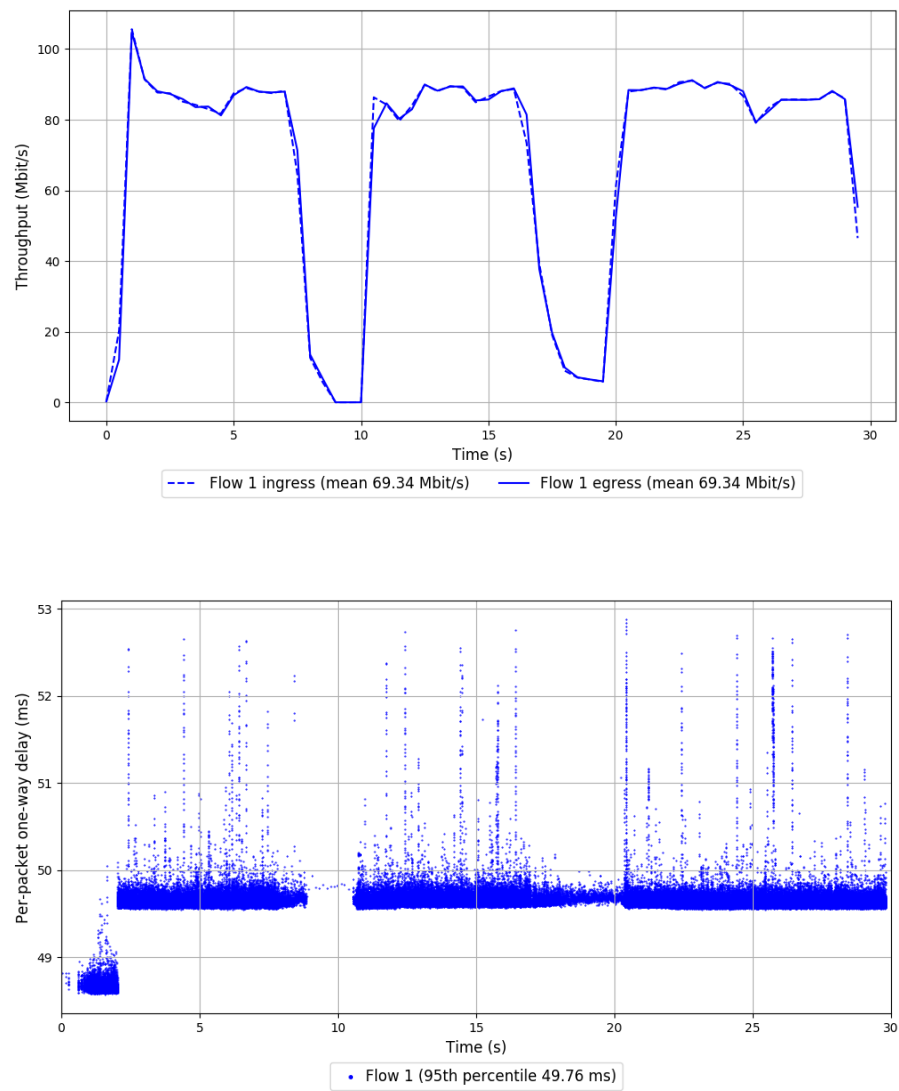
-- Flow 1:

Average throughput: 69.34 Mbit/s

95th percentile per-packet one-way delay: 49.755 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 14:56:33

End at: 2018-04-24 14:57:03

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.97 Mbit/s

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

Loss rate: 0.00%

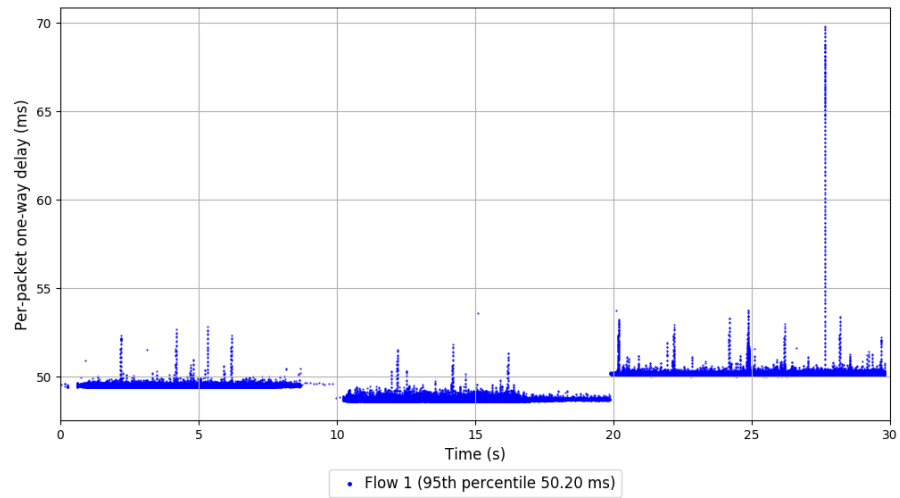
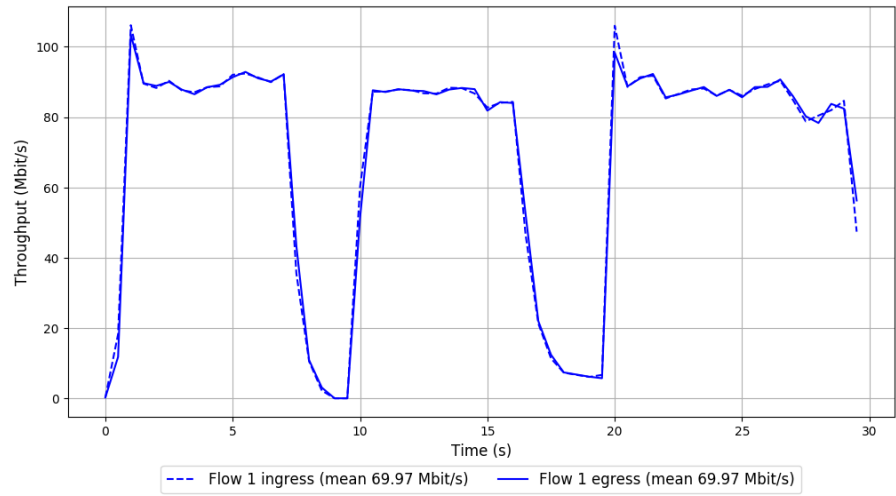
-- Flow 1:

Average throughput: 69.97 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 15:09:28

End at: 2018-04-24 15:09:58

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.87 Mbit/s

95th percentile per-packet one-way delay: 50.941 ms

Loss rate: 0.00%

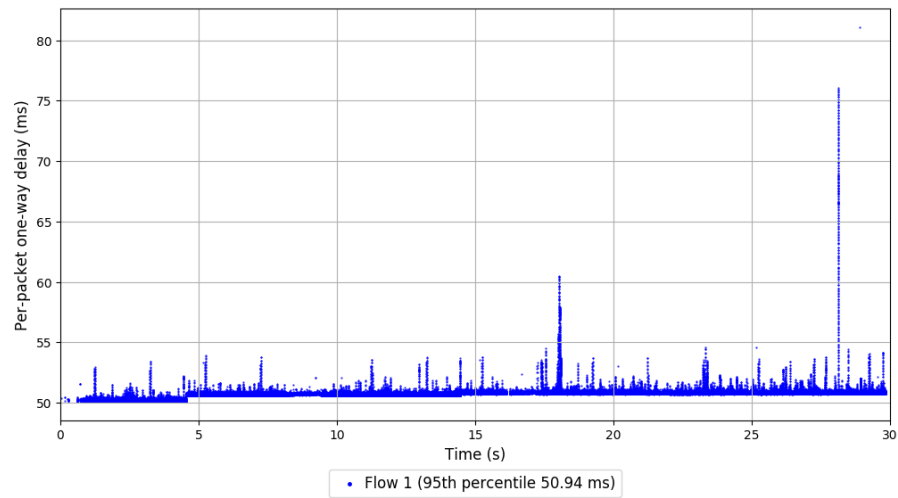
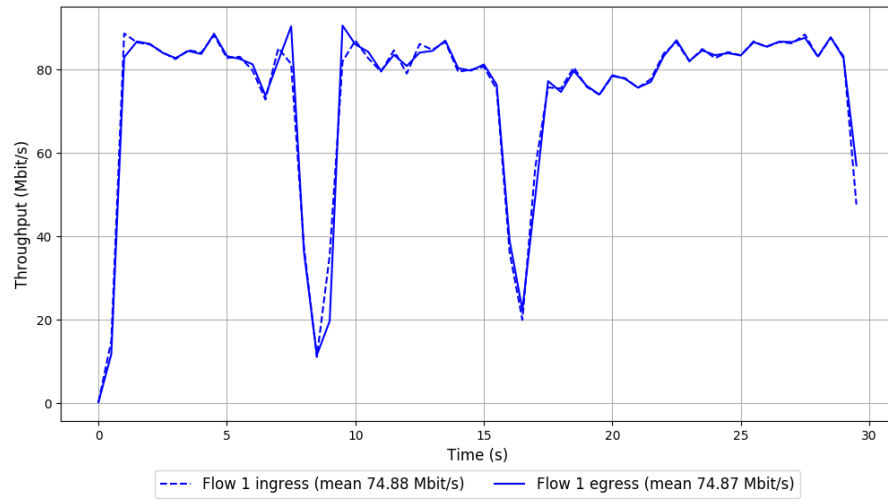
-- Flow 1:

Average throughput: 74.87 Mbit/s

95th percentile per-packet one-way delay: 50.941 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 15:22:27

End at: 2018-04-24 15:22:57

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.17 Mbit/s

95th percentile per-packet one-way delay: 50.346 ms

Loss rate: 0.00%

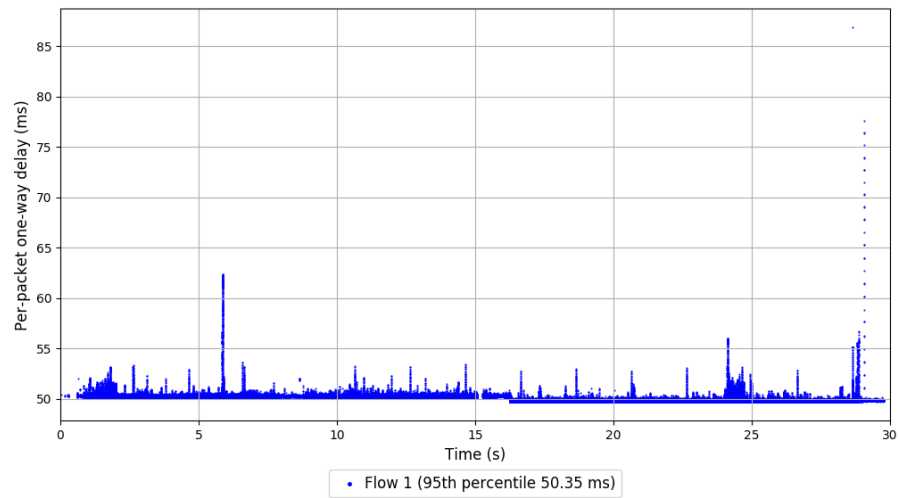
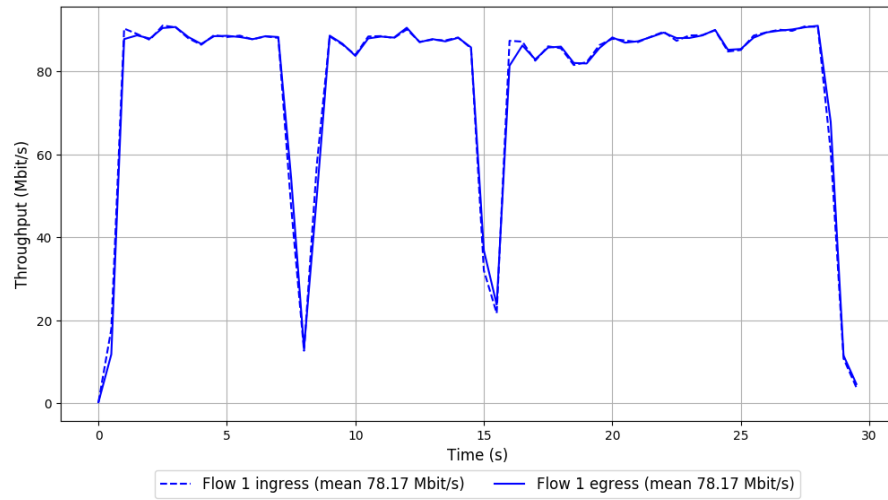
-- Flow 1:

Average throughput: 78.17 Mbit/s

95th percentile per-packet one-way delay: 50.346 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 15:35:18

End at: 2018-04-24 15:35:48

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 50.389 ms

Loss rate: 0.00%

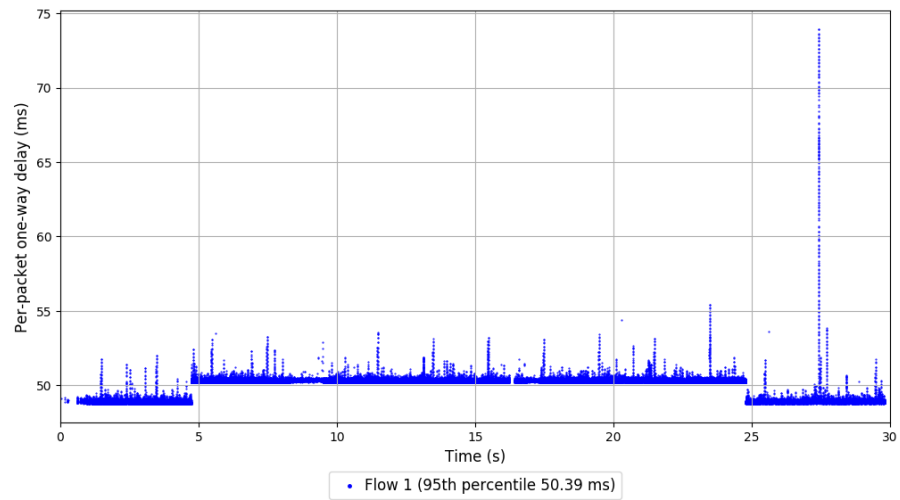
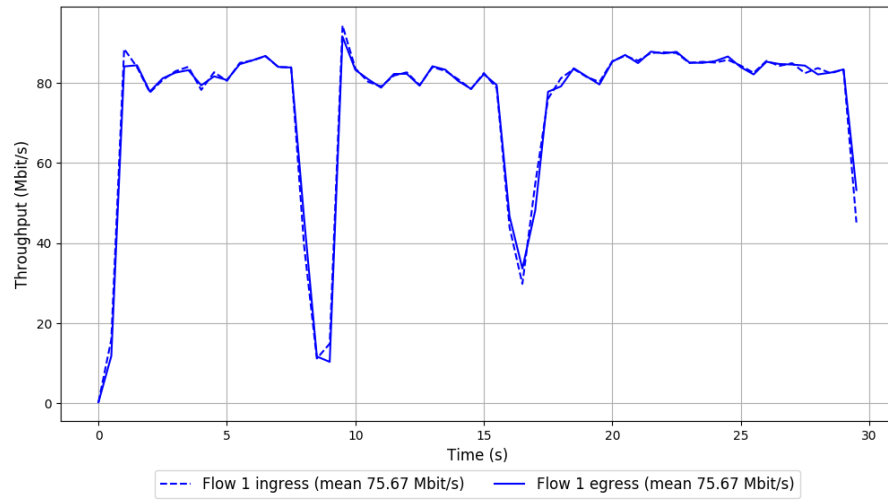
-- Flow 1:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 50.389 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 15:48:22

End at: 2018-04-24 15:48:52

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 50.911 ms

Loss rate: 0.00%

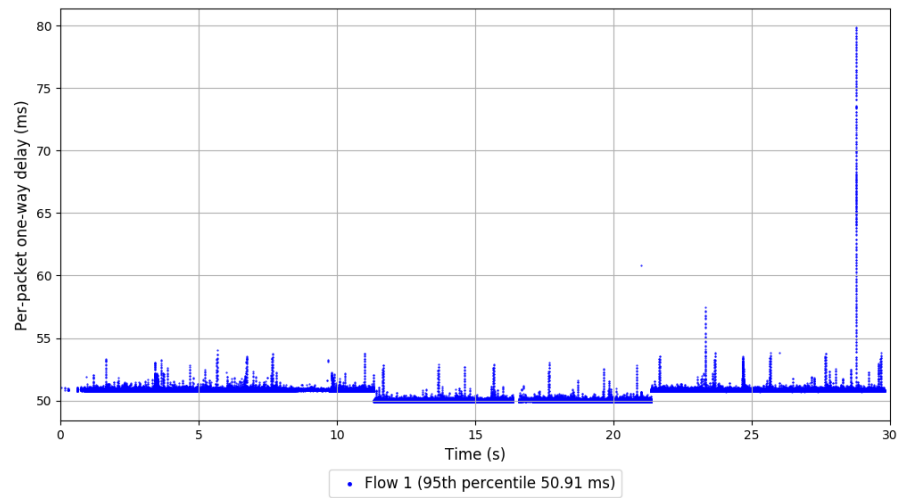
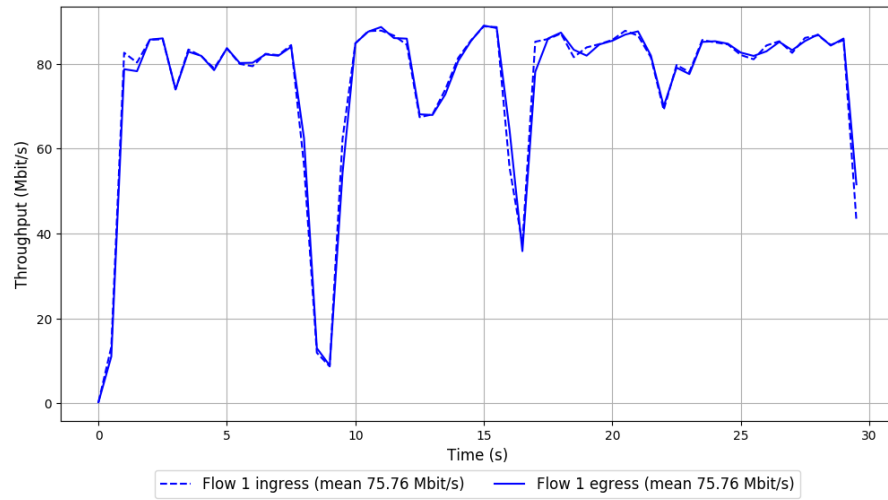
-- Flow 1:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 50.911 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 16:01:14

End at: 2018-04-24 16:01:44

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.06 Mbit/s

95th percentile per-packet one-way delay: 49.702 ms

Loss rate: 0.00%

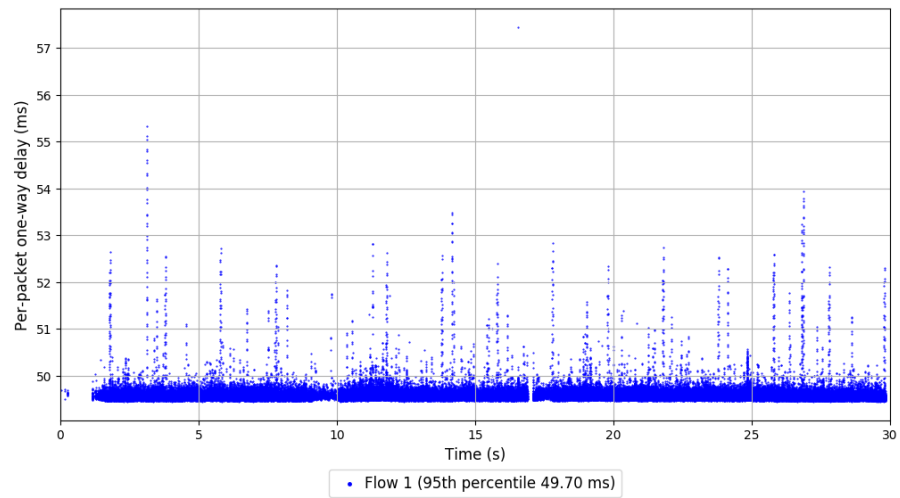
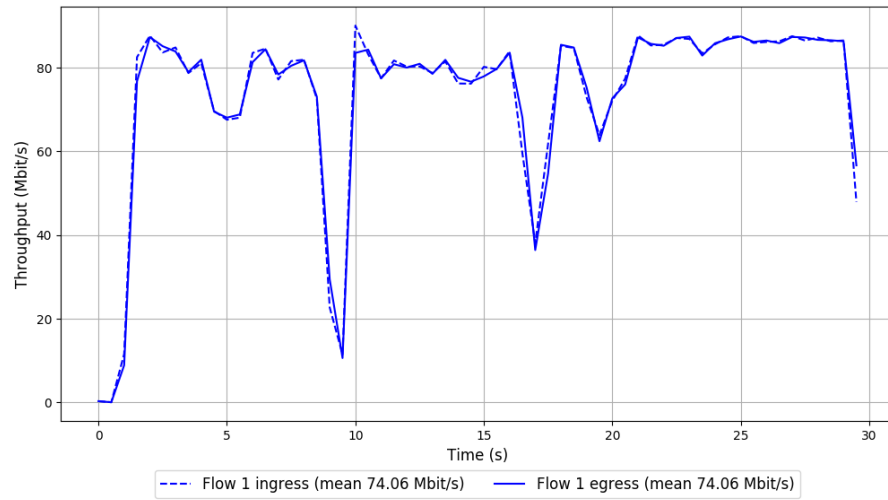
-- Flow 1:

Average throughput: 74.06 Mbit/s

95th percentile per-packet one-way delay: 49.702 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

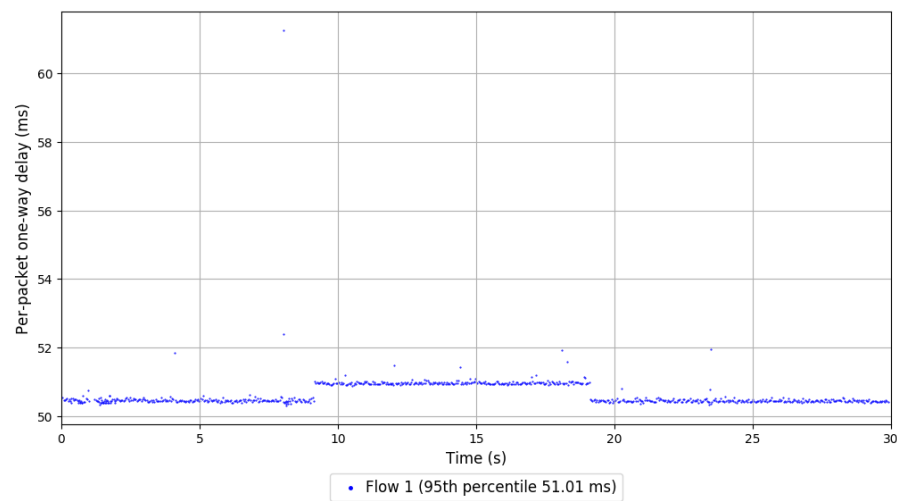
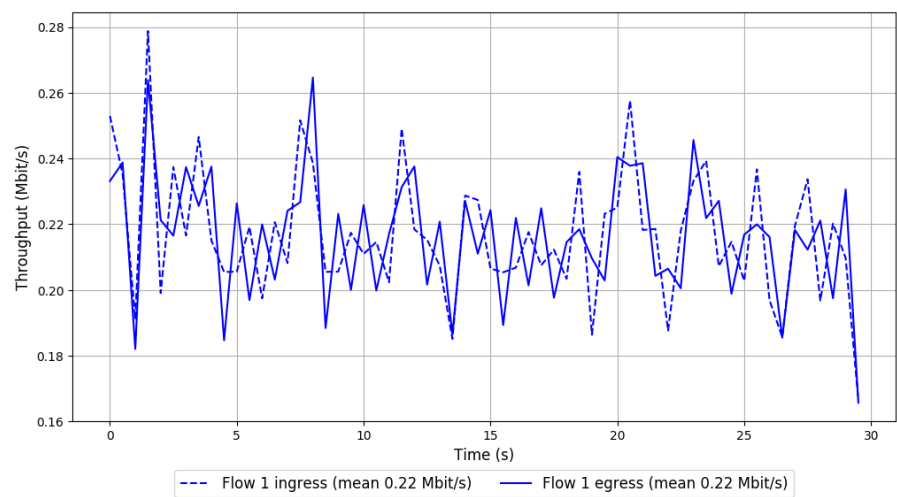


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 14:08:04
End at: 2018-04-24 14:08:34

# Below is generated by plot.py at 2018-04-24 17:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.008 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.008 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link

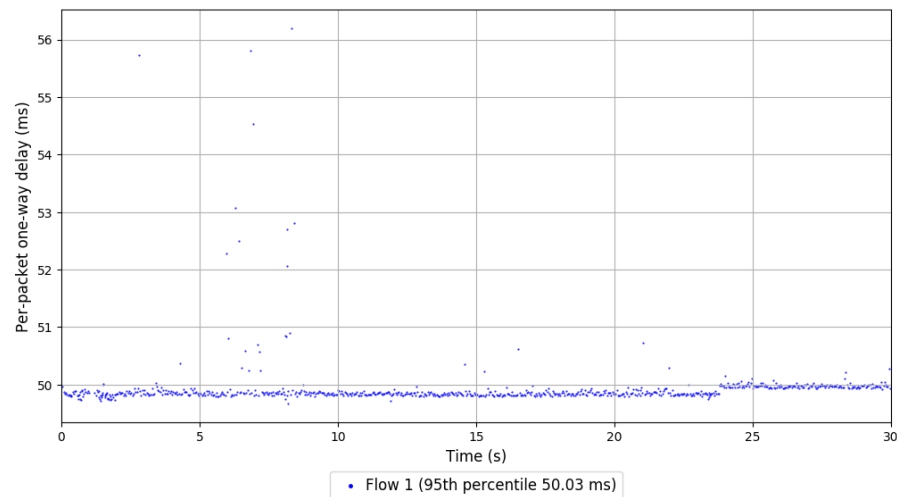
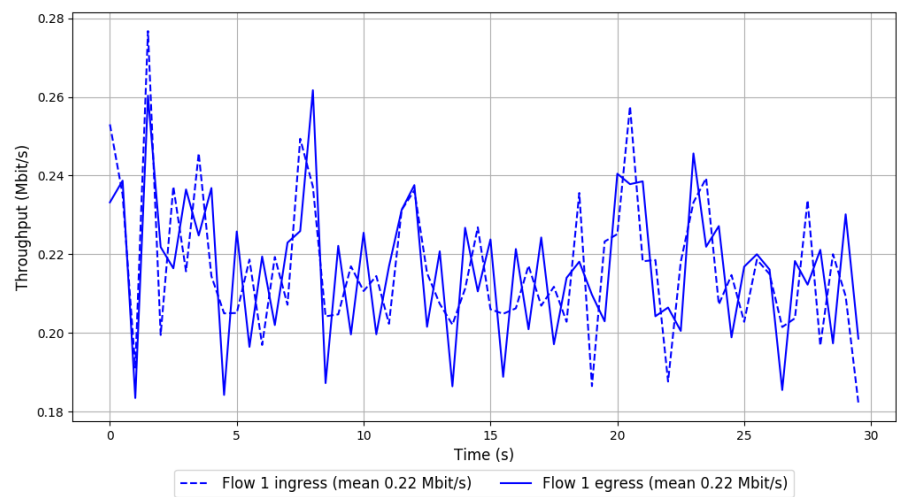


```
Run 2: Statistics of SCReAM

Start at: 2018-04-24 14:21:09
End at: 2018-04-24 14:21:39

# Below is generated by plot.py at 2018-04-24 17:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.030 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-24 14:34:13

End at: 2018-04-24 14:34:43

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.010 ms

Loss rate: 0.00%

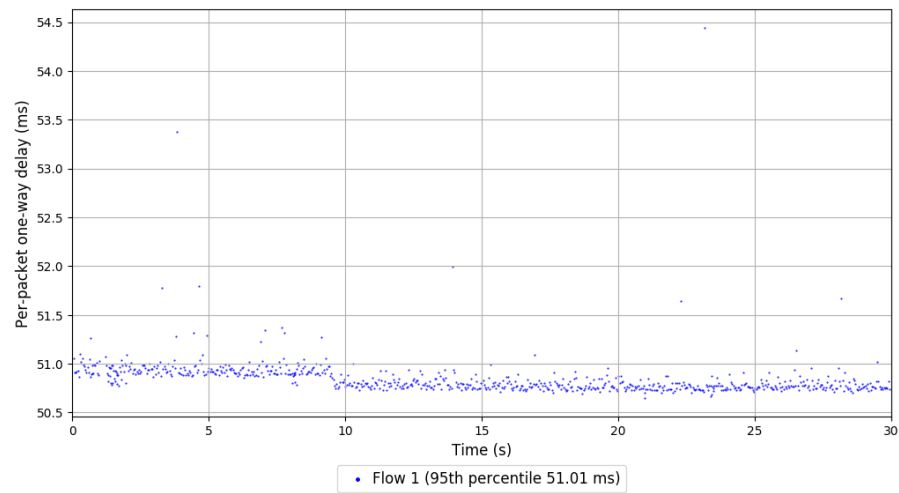
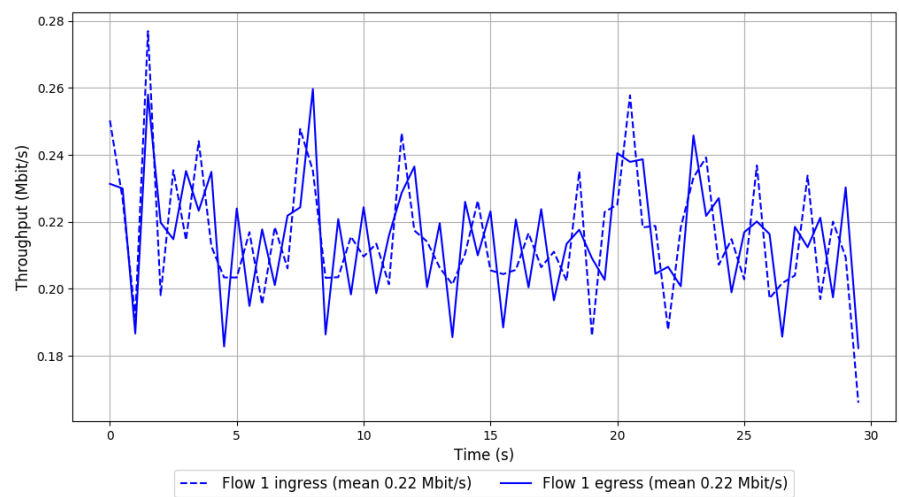
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.010 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-24 14:47:09

End at: 2018-04-24 14:47:39

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.015 ms

Loss rate: 0.00%

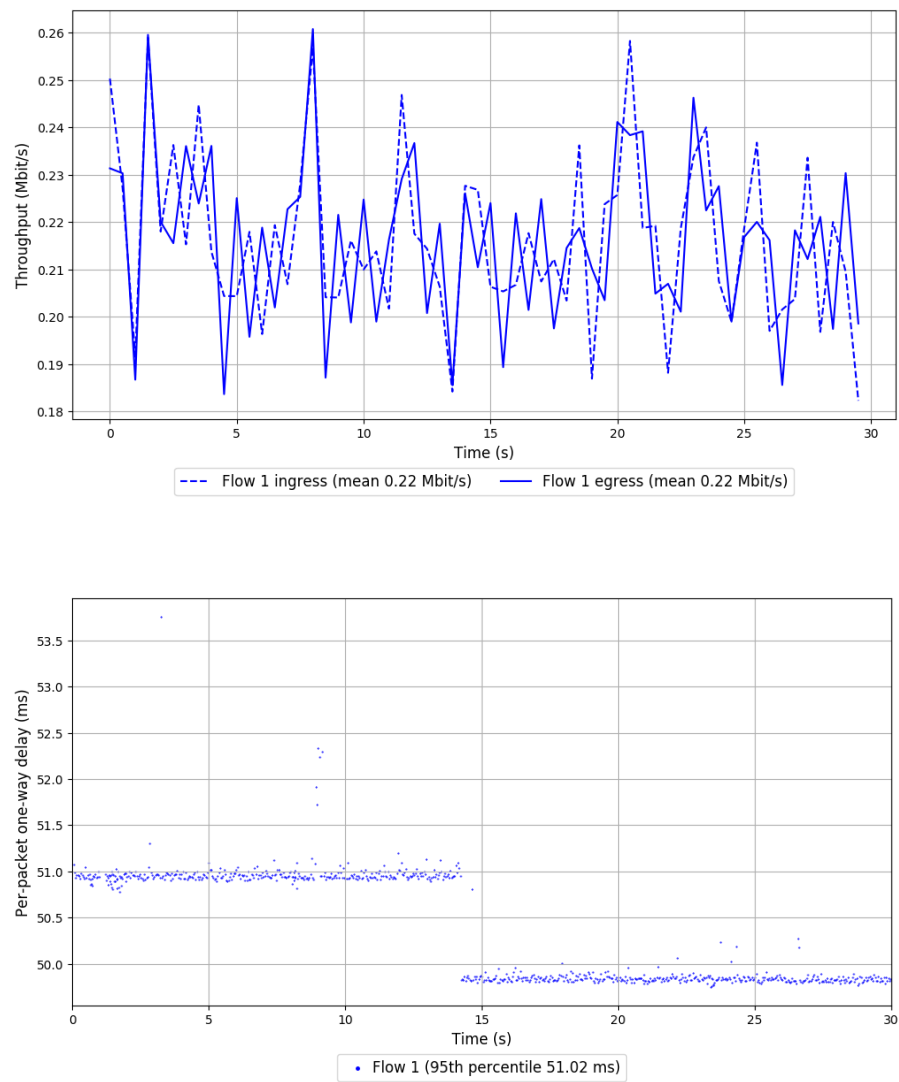
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.015 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 15:00:11

End at: 2018-04-24 15:00:41

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.057 ms

Loss rate: 0.00%

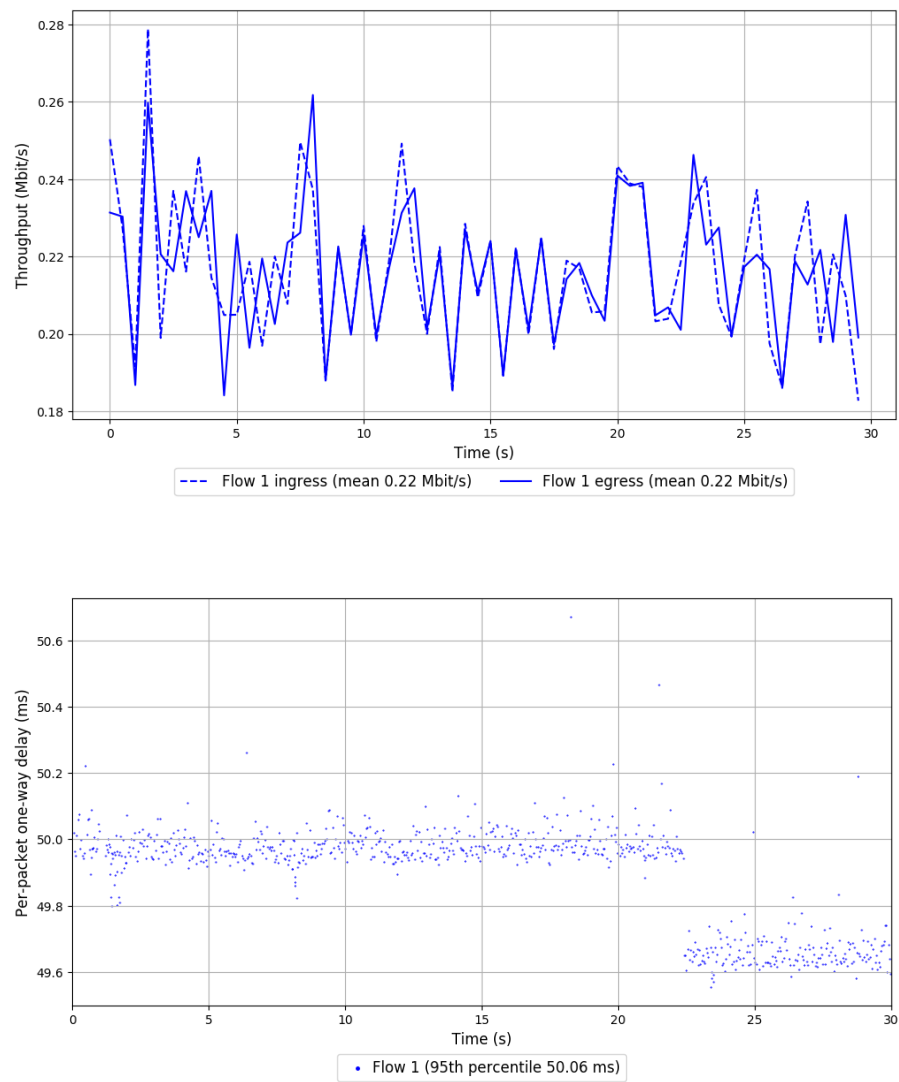
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.057 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 15:13:07

End at: 2018-04-24 15:13:37

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.848 ms

Loss rate: 0.00%

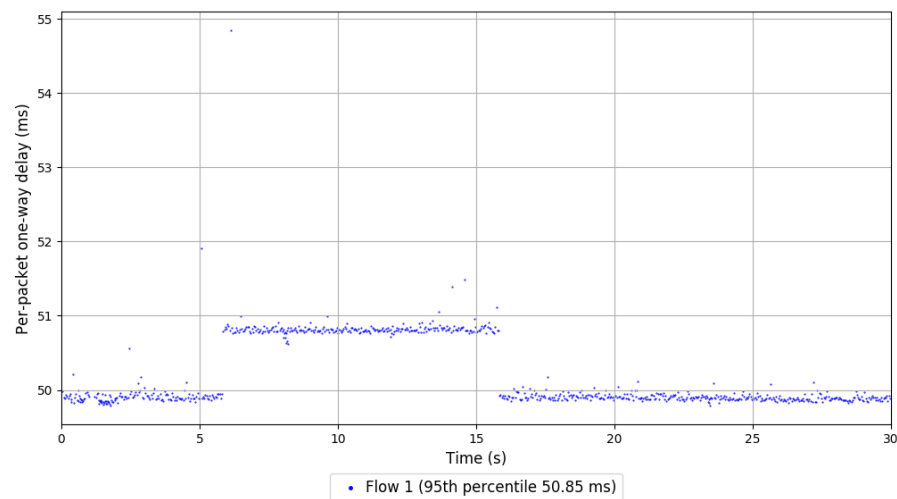
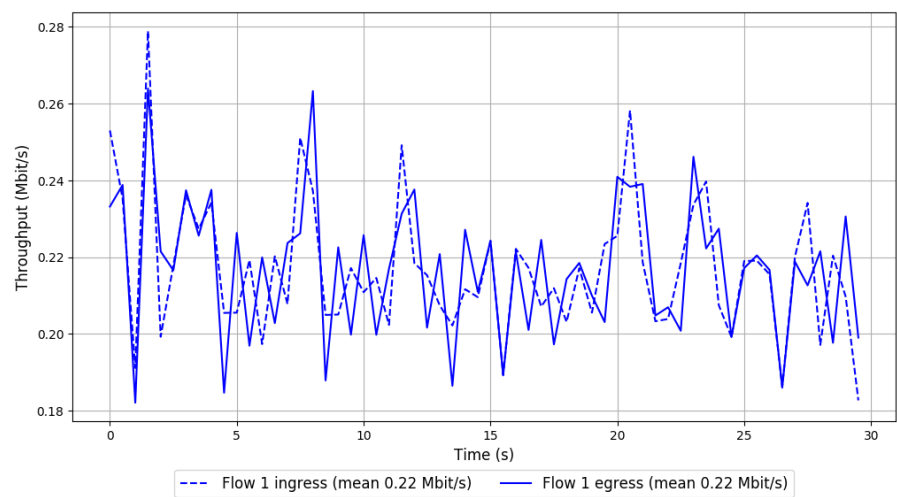
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.848 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-24 15:26:13

End at: 2018-04-24 15:26:43

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.110 ms

Loss rate: 0.00%

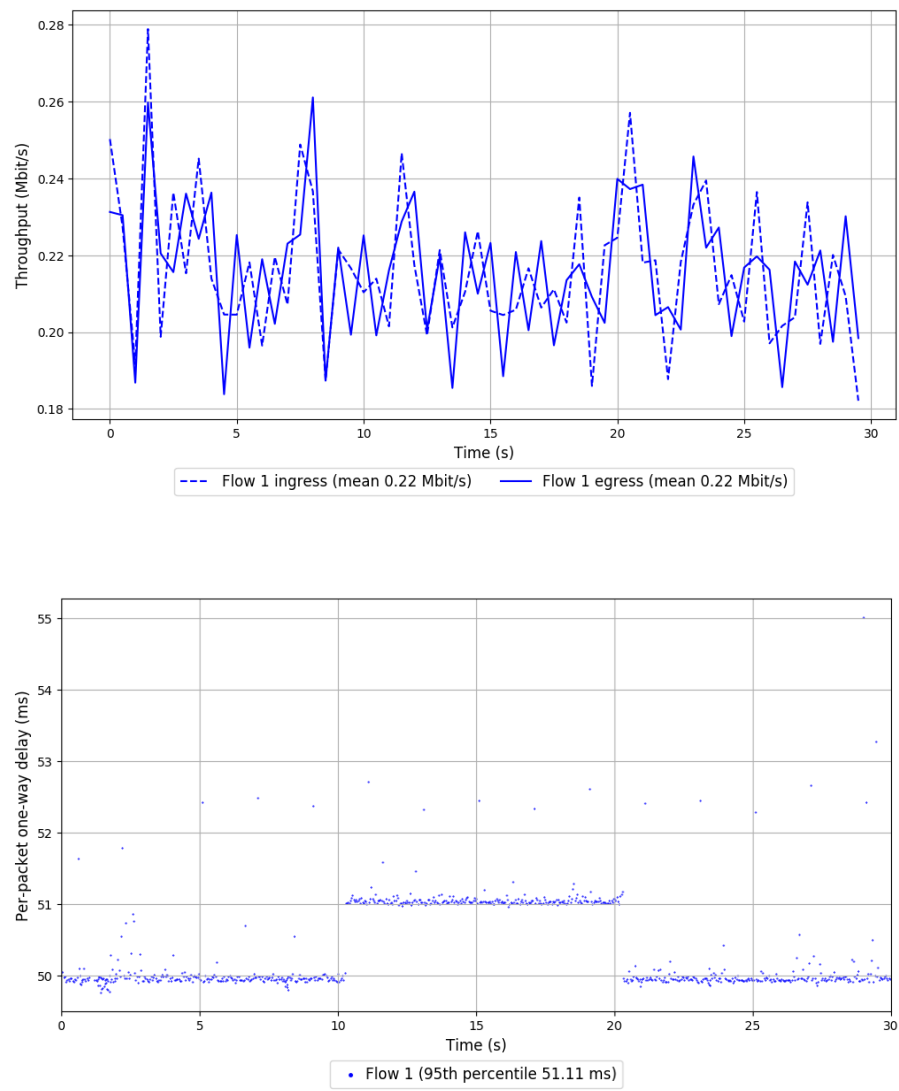
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.110 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 15:38:58

End at: 2018-04-24 15:39:28

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

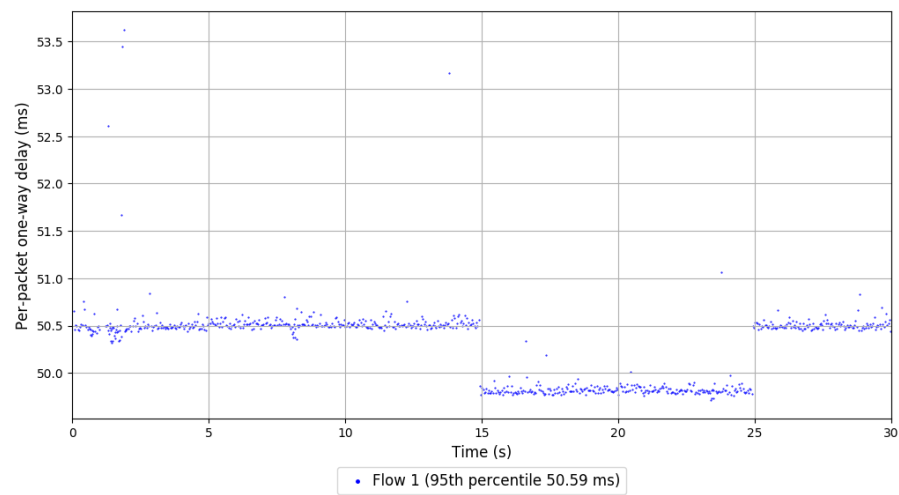
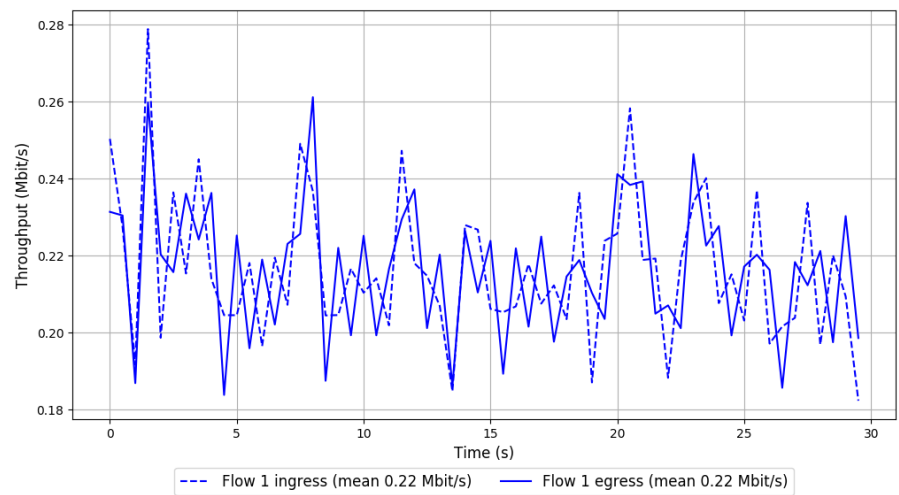
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 15:51:57

End at: 2018-04-24 15:52:27

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.190 ms

Loss rate: 0.00%

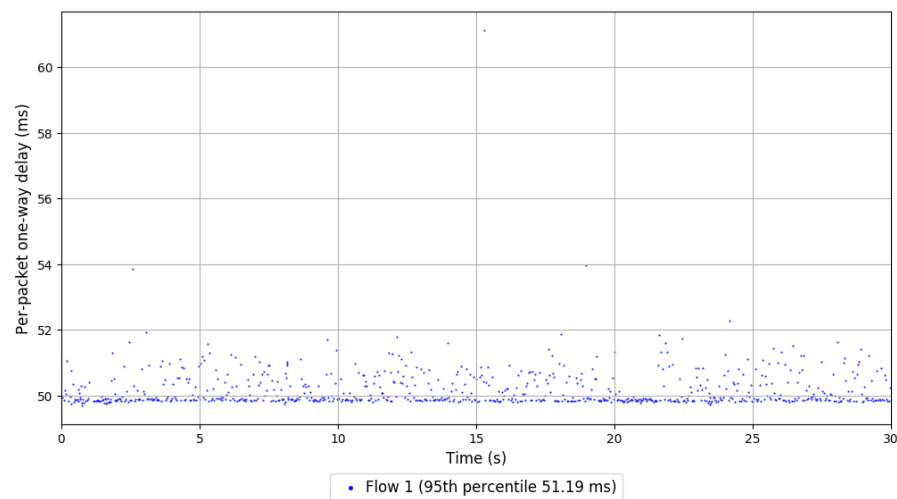
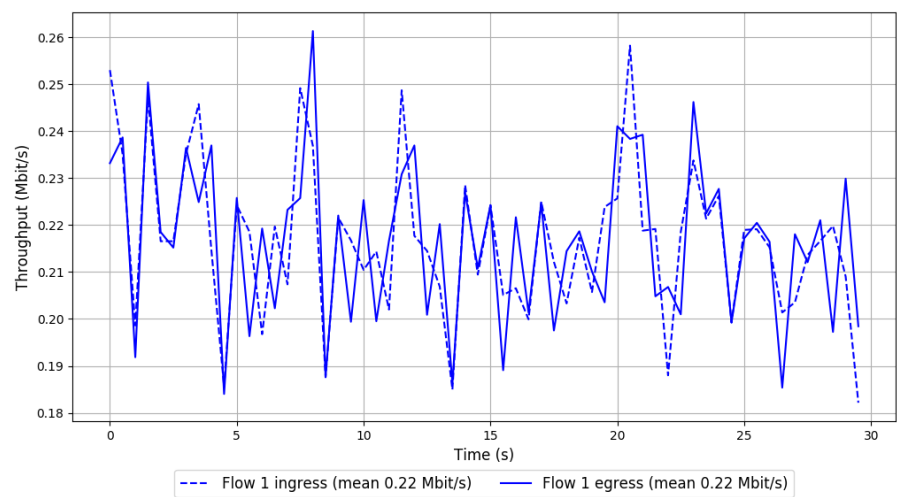
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.190 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-24 16:04:54

End at: 2018-04-24 16:05:24

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.873 ms

Loss rate: 0.00%

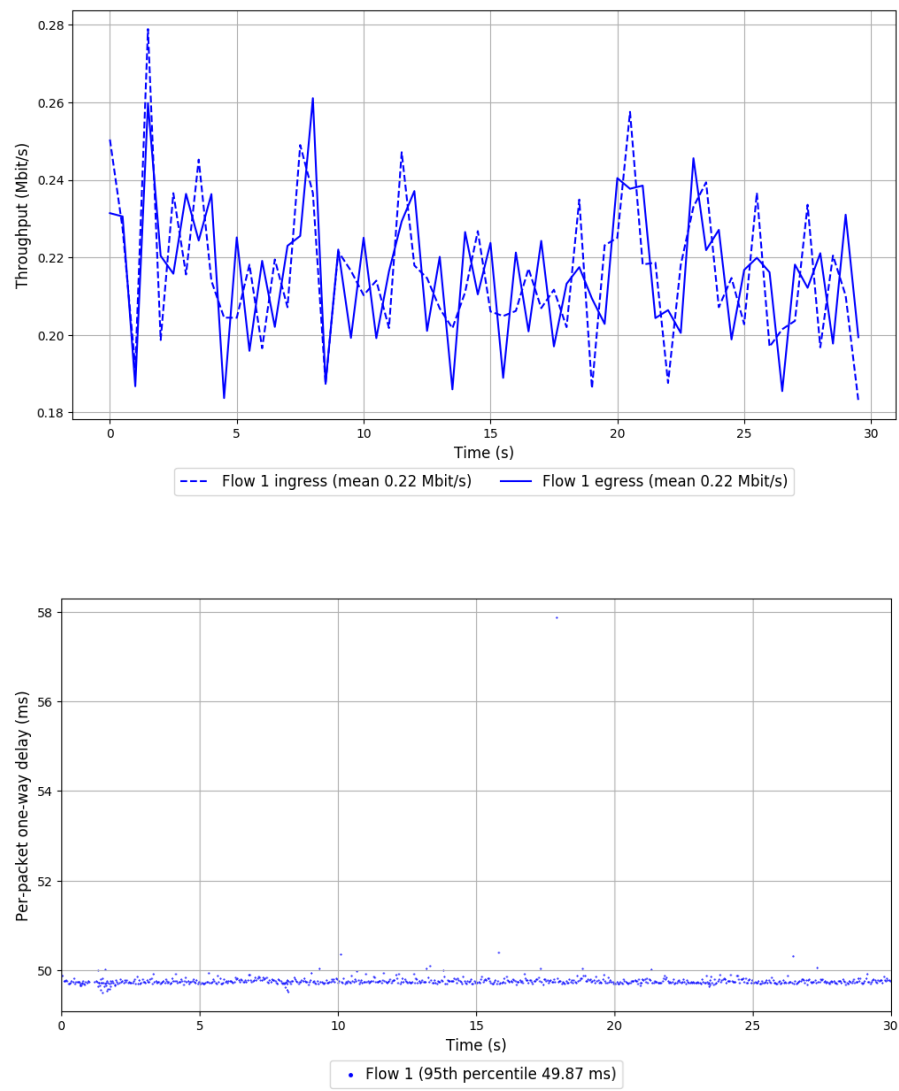
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.873 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-04-24 14:07:28

End at: 2018-04-24 14:07:58

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.450 ms

Loss rate: 0.00%

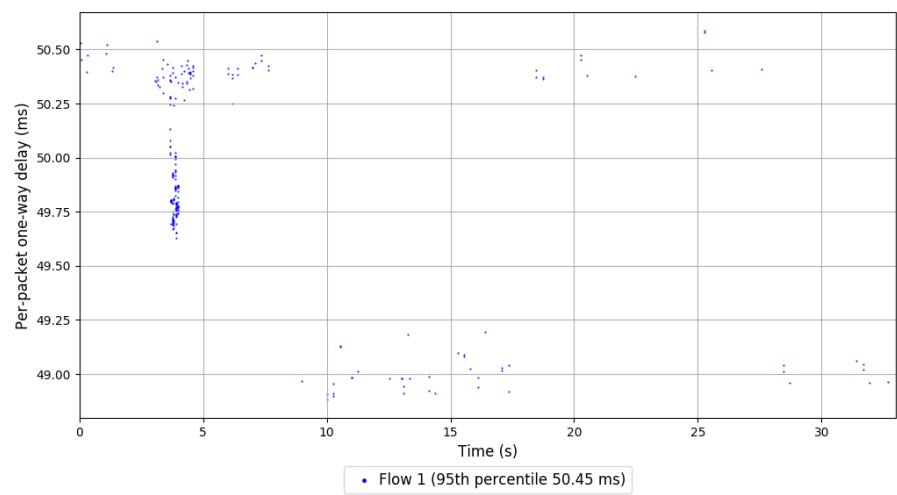
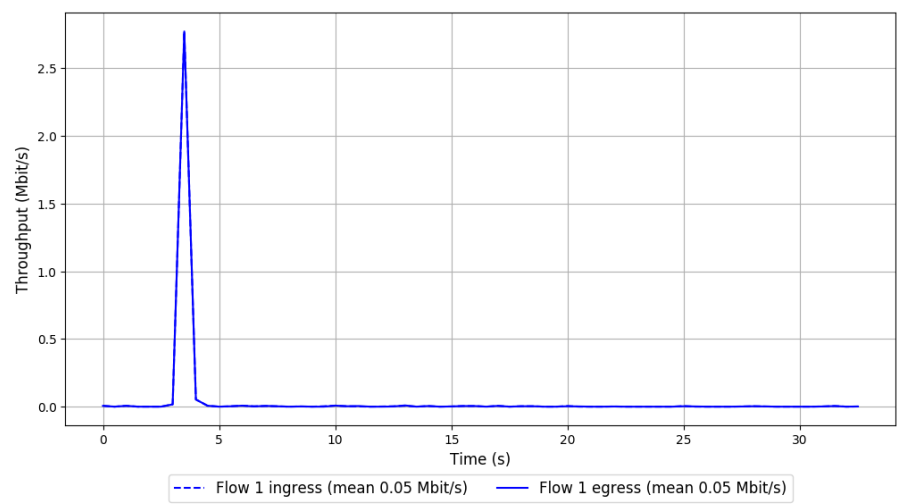
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.450 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-24 14:20:33

End at: 2018-04-24 14:21:03

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.982 ms

Loss rate: 0.00%

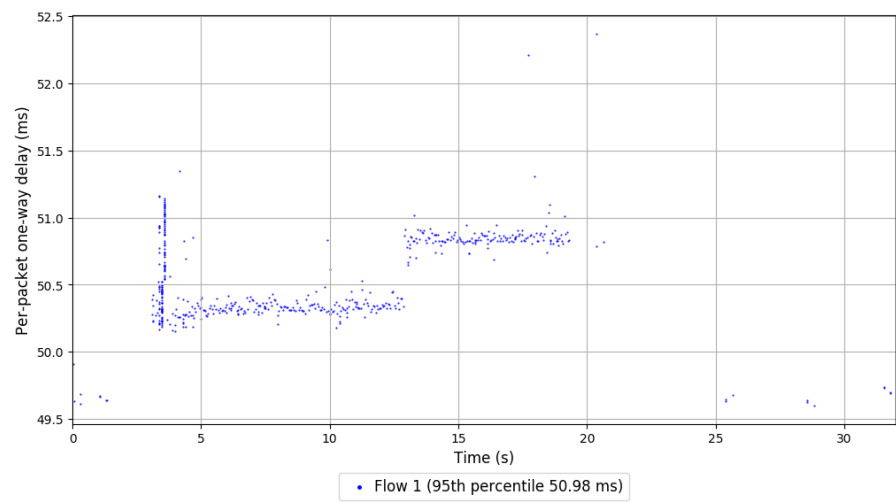
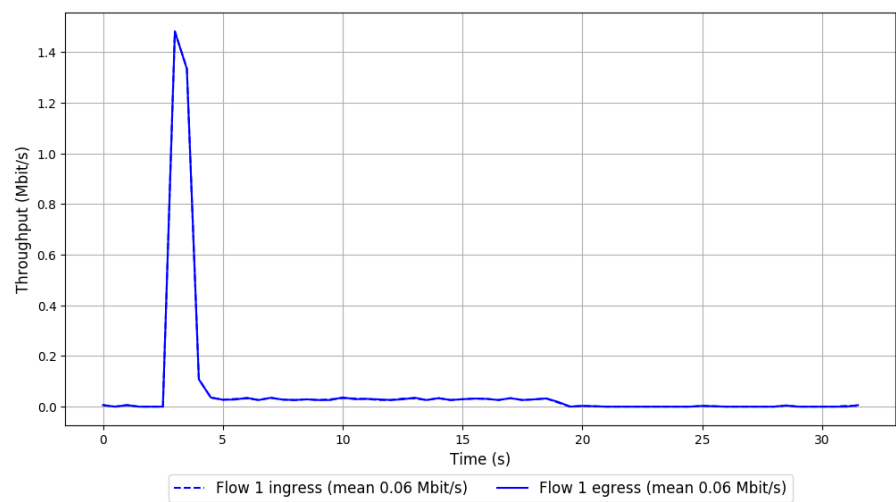
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.982 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-24 14:33:37

End at: 2018-04-24 14:34:07

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.122 ms

Loss rate: 0.00%

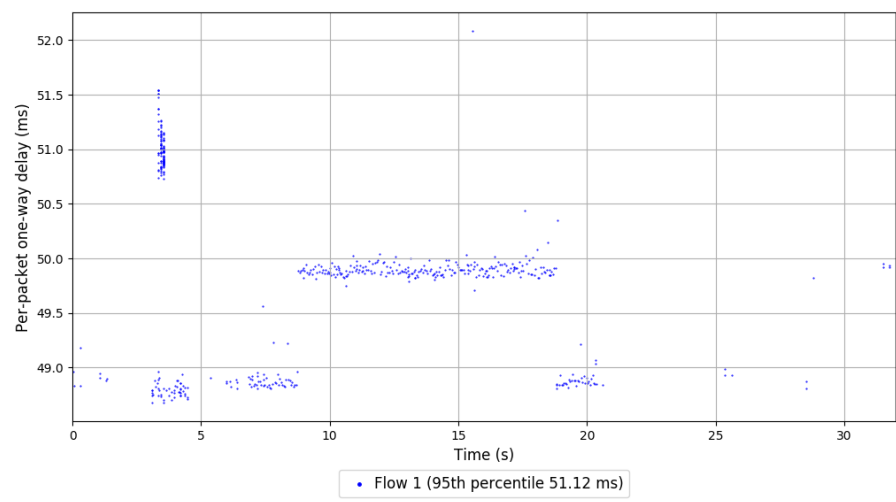
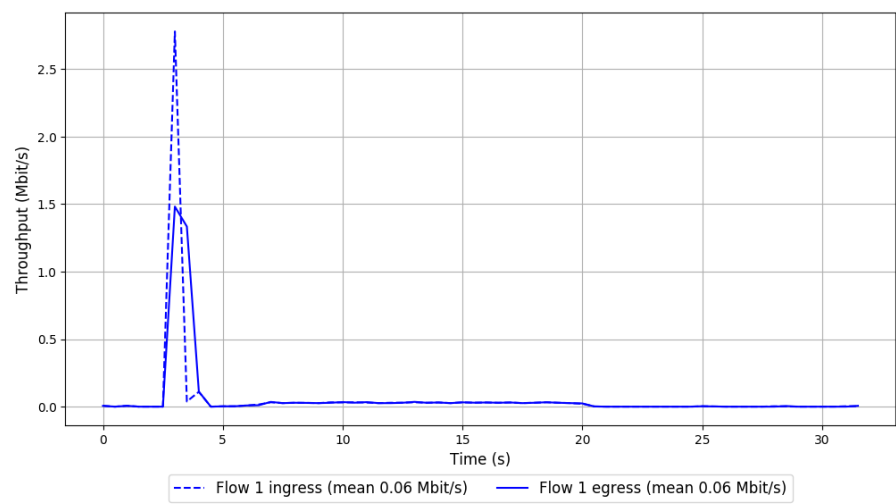
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.122 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-24 14:46:32

End at: 2018-04-24 14:47:02

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.724 ms

Loss rate: 0.00%

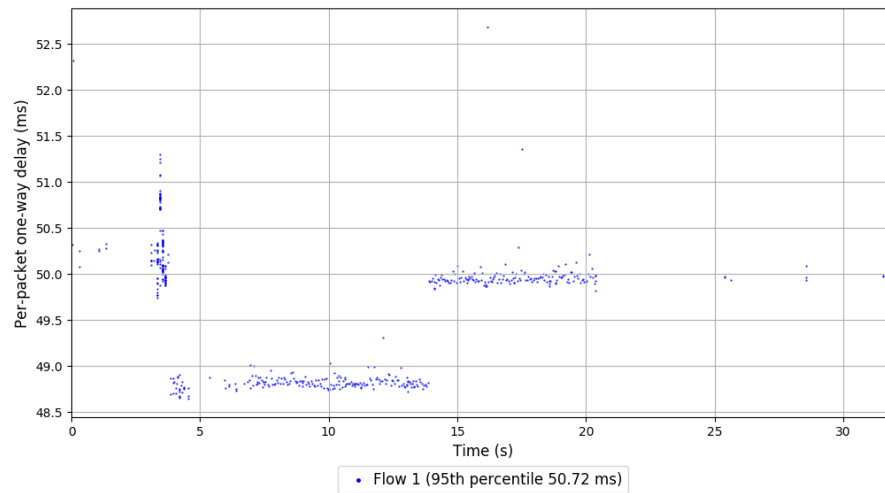
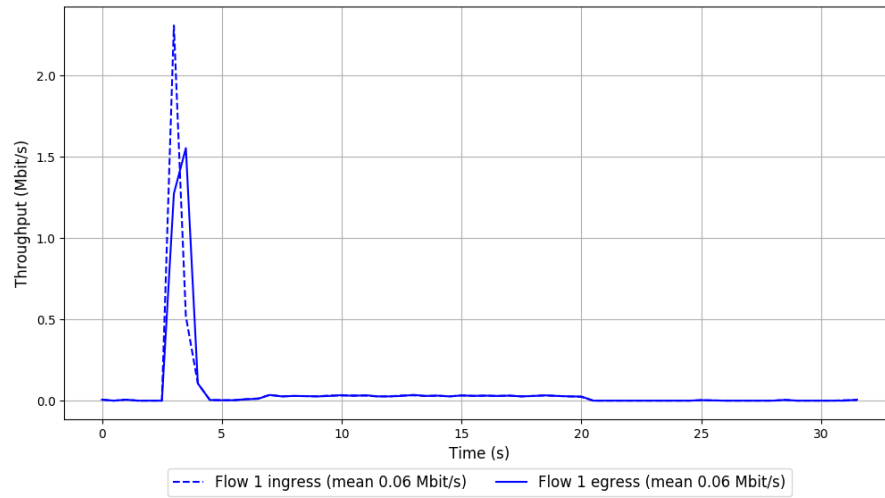
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.724 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-24 14:59:34

End at: 2018-04-24 15:00:04

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.101 ms

Loss rate: 0.00%

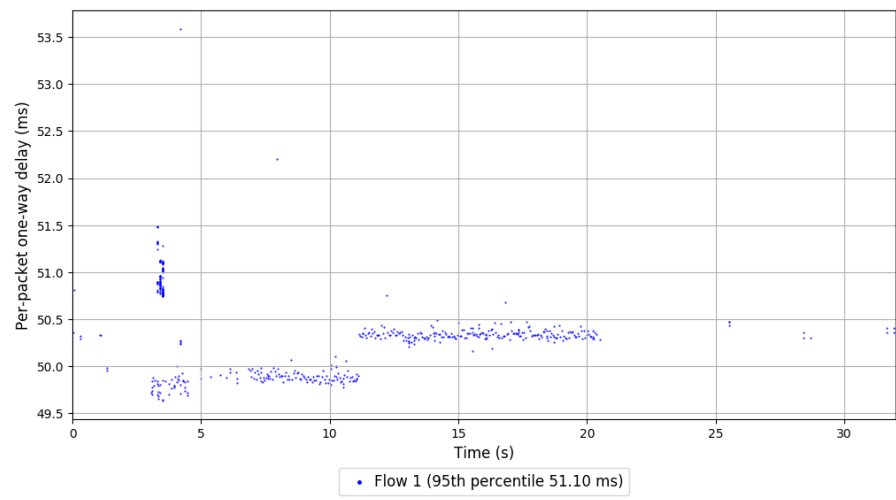
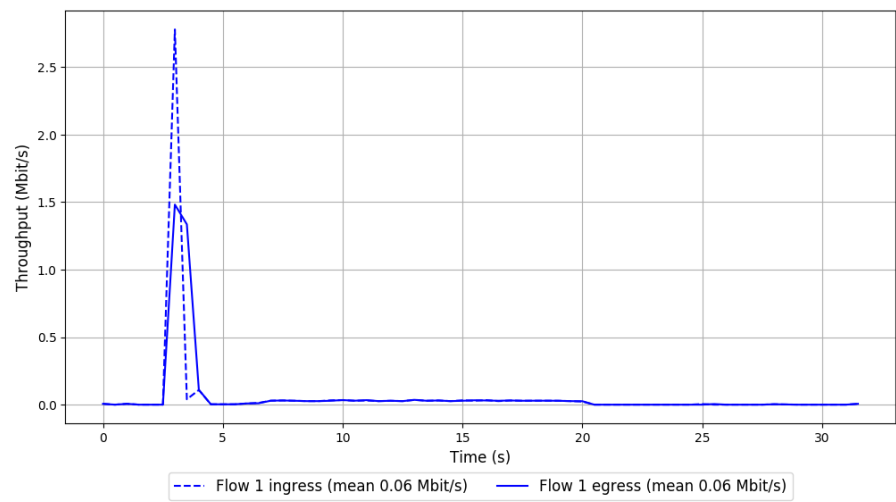
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.101 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 15:12:31

End at: 2018-04-24 15:13:01

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.784 ms

Loss rate: 0.00%

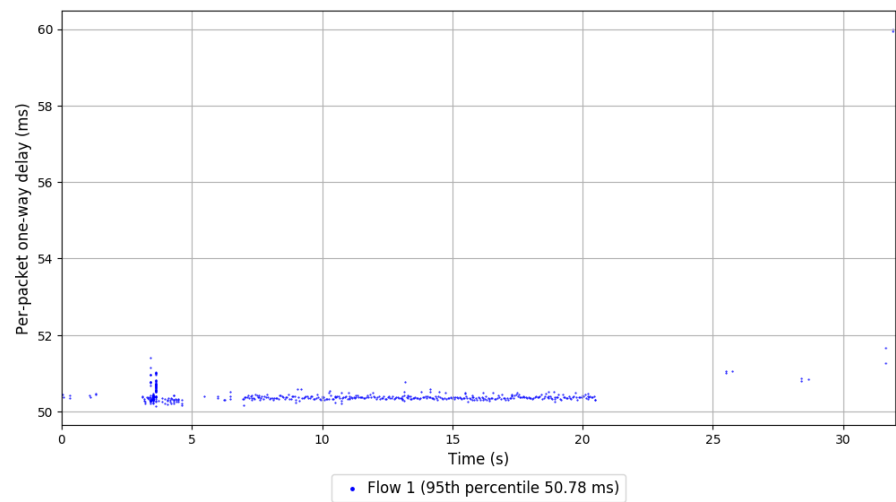
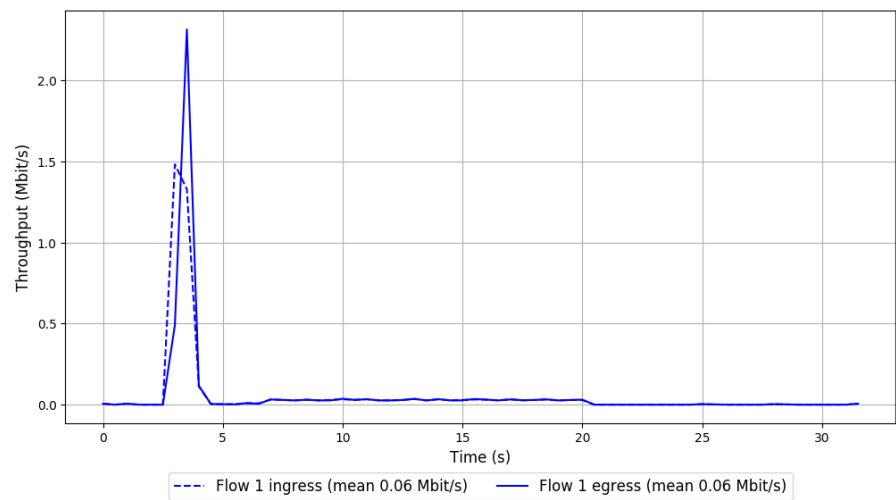
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.784 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-24 15:25:36

End at: 2018-04-24 15:26:06

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.262 ms

Loss rate: 0.00%

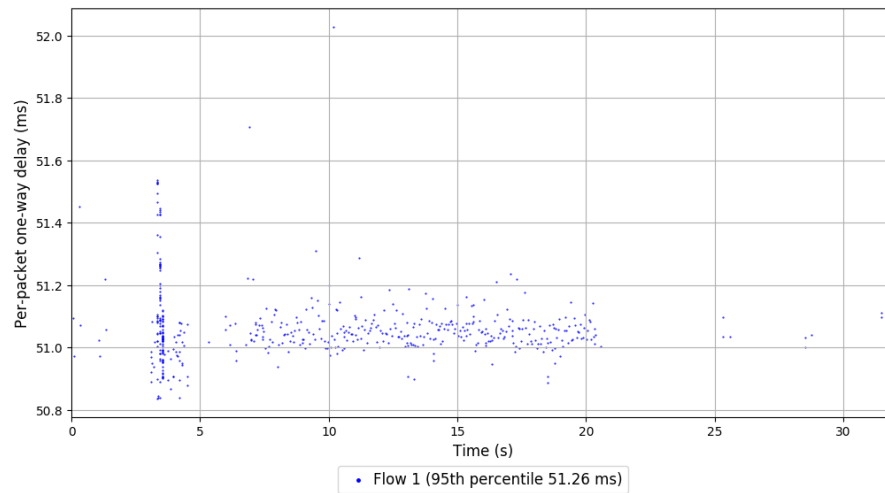
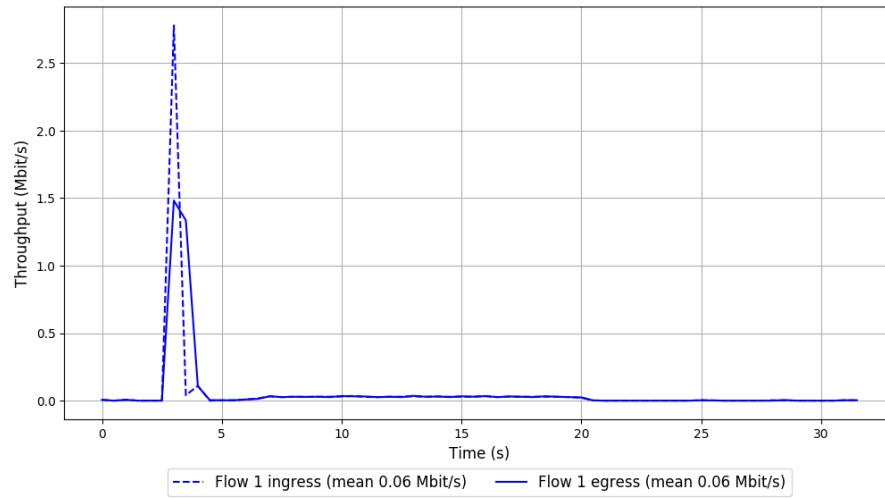
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.262 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 15:38:22

End at: 2018-04-24 15:38:52

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.736 ms

Loss rate: 0.00%

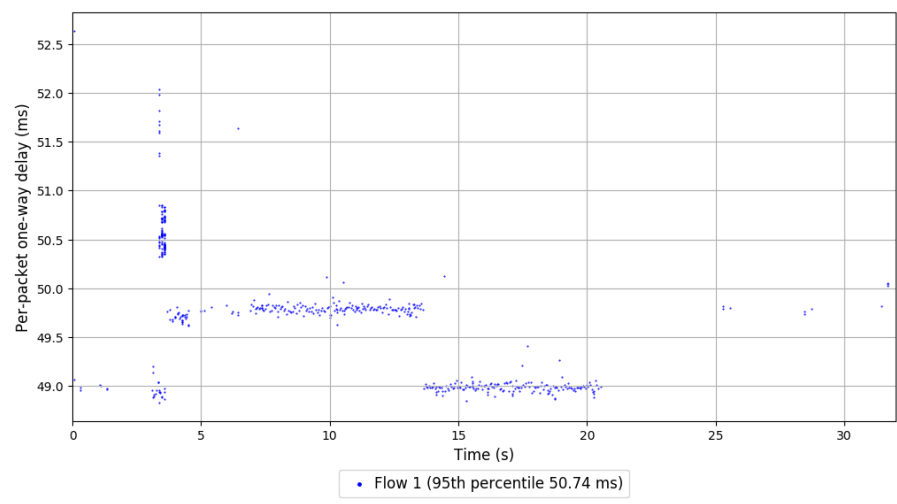
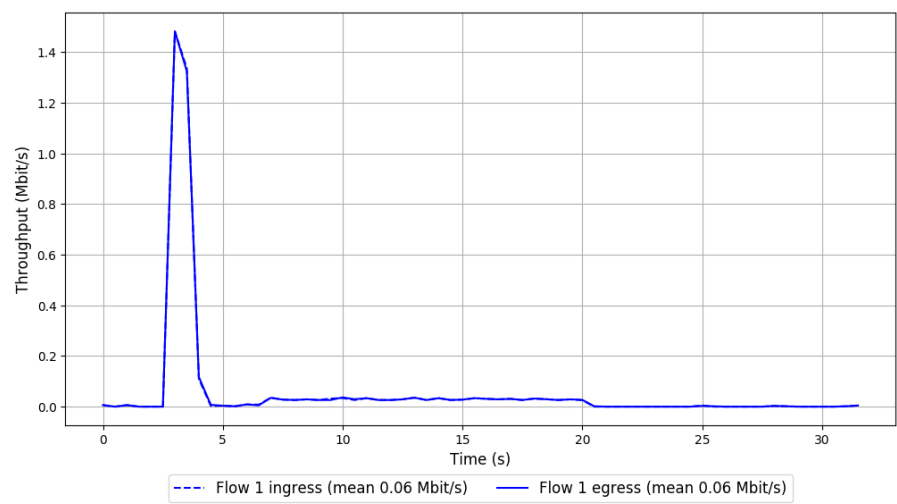
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.736 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 15:51:20

End at: 2018-04-24 15:51:50

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.801 ms

Loss rate: 0.00%

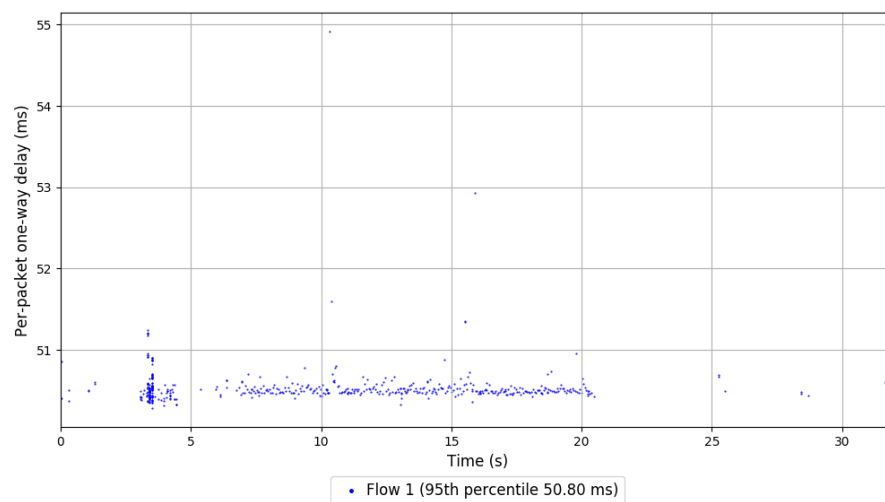
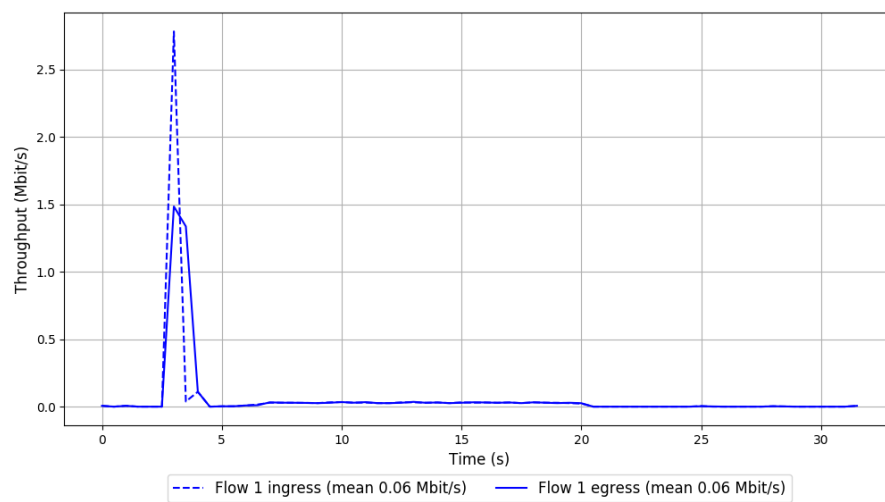
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.801 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 16:04:18

End at: 2018-04-24 16:04:48

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.826 ms

Loss rate: 0.00%

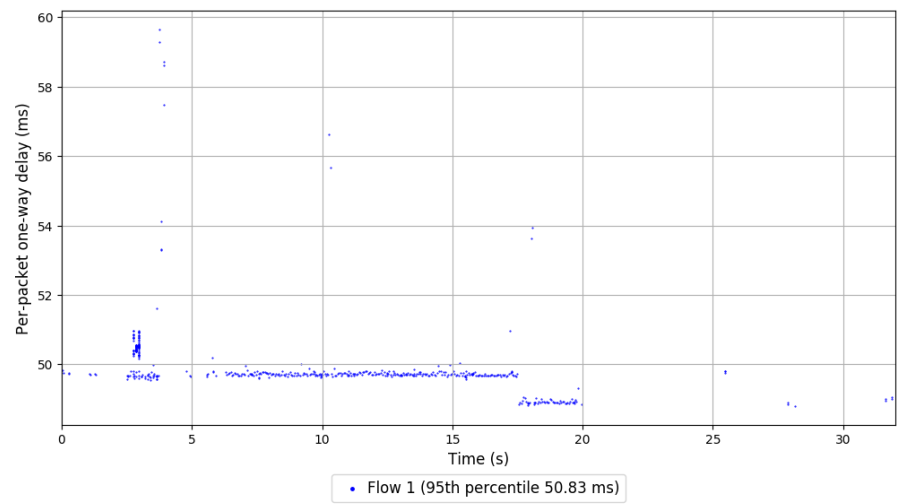
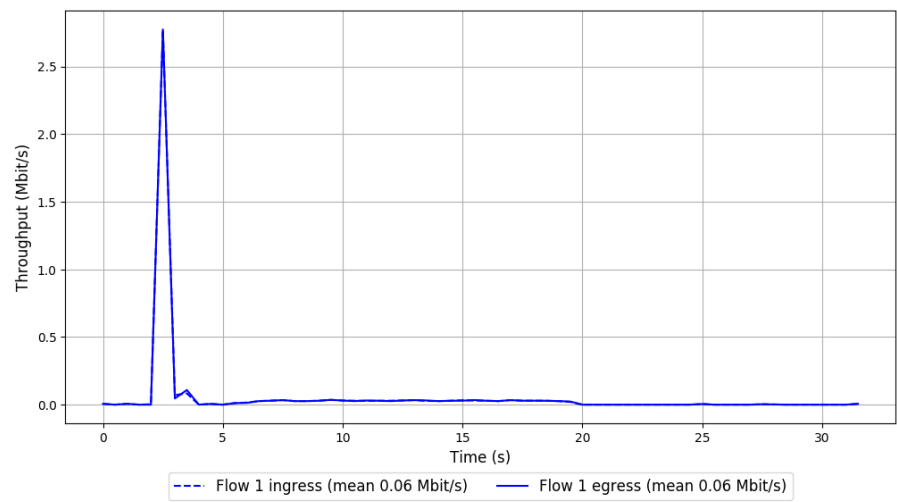
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.826 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-24 14:03:00

End at: 2018-04-24 14:03:30

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 52.101 ms

Loss rate: 0.00%

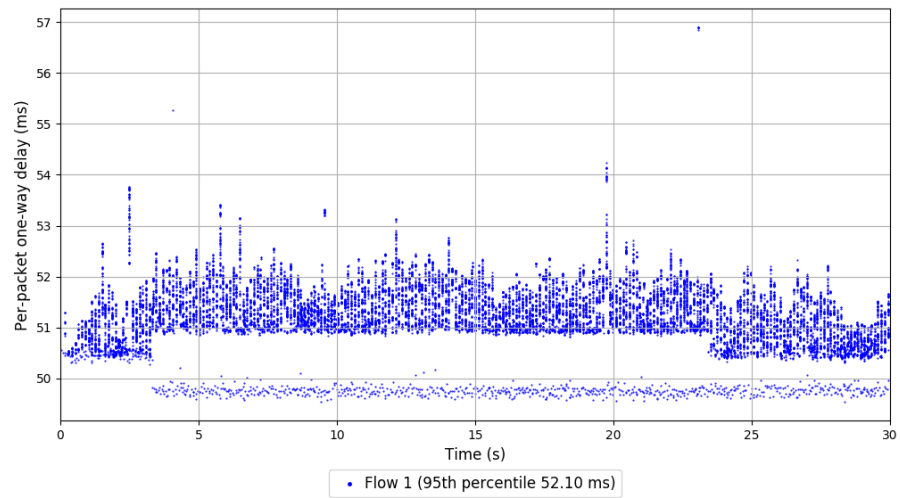
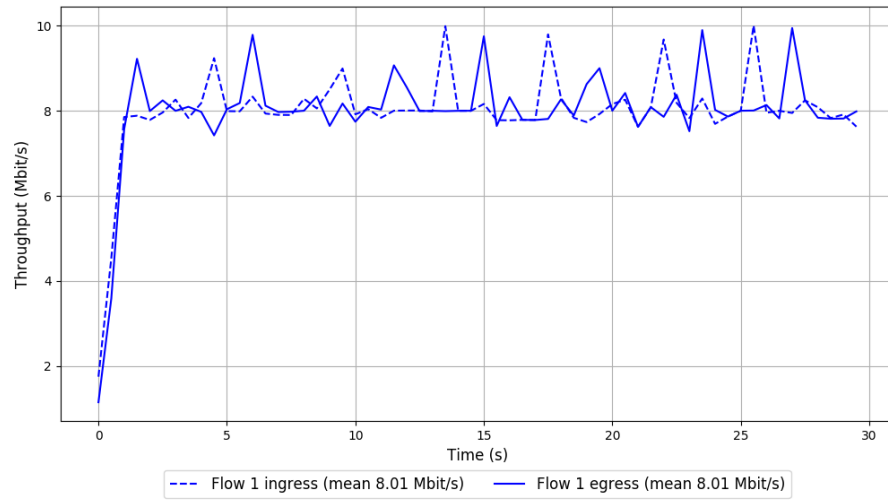
-- Flow 1:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 52.101 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-24 14:16:06

End at: 2018-04-24 14:16:36

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 51.991 ms

Loss rate: 0.00%

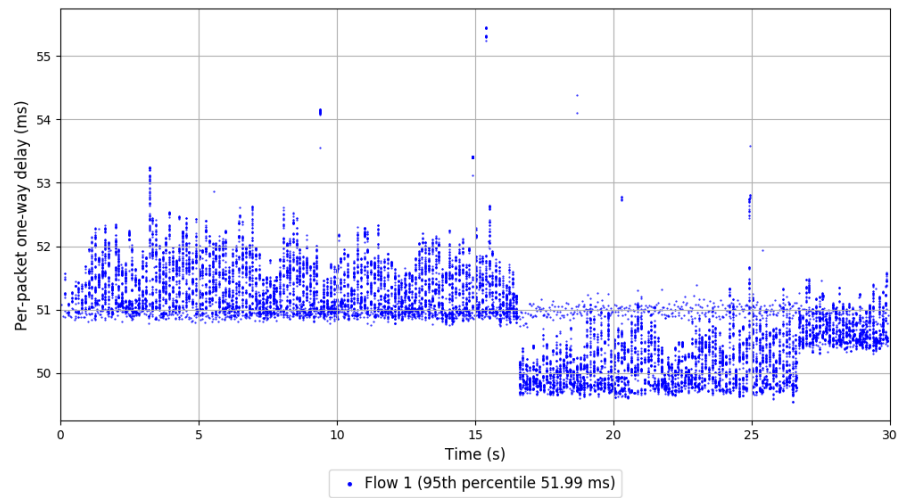
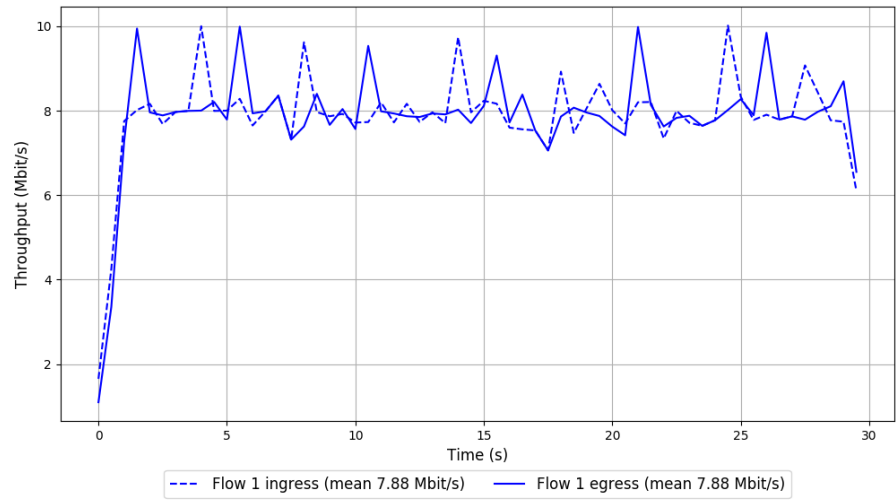
-- Flow 1:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 51.991 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-24 14:29:13

End at: 2018-04-24 14:29:43

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 51.783 ms

Loss rate: 0.00%

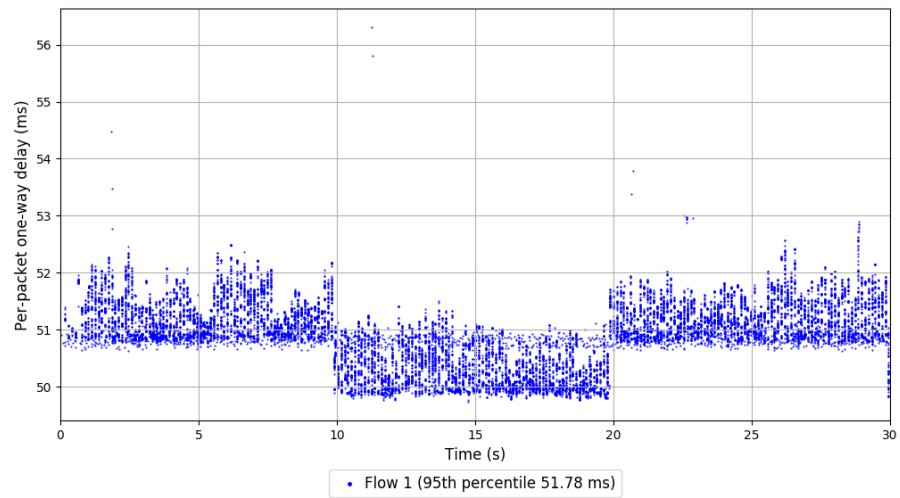
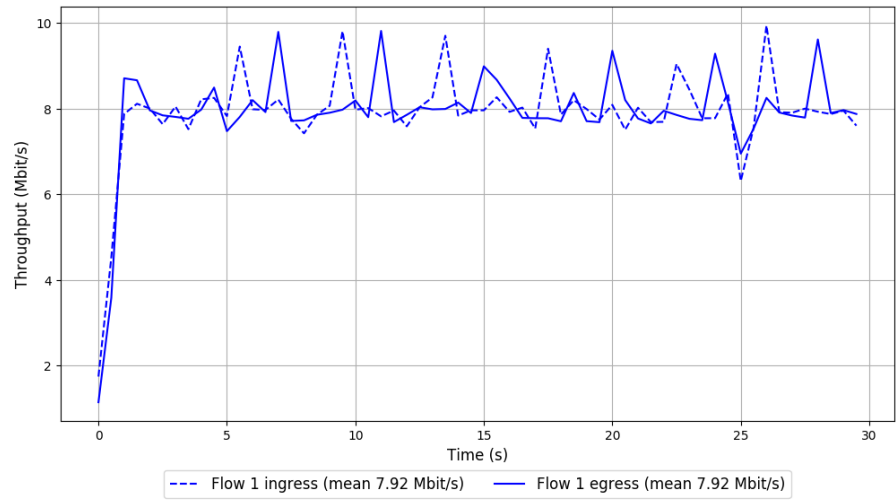
-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 51.783 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-24 14:42:09

End at: 2018-04-24 14:42:39

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 50.999 ms

Loss rate: 0.00%

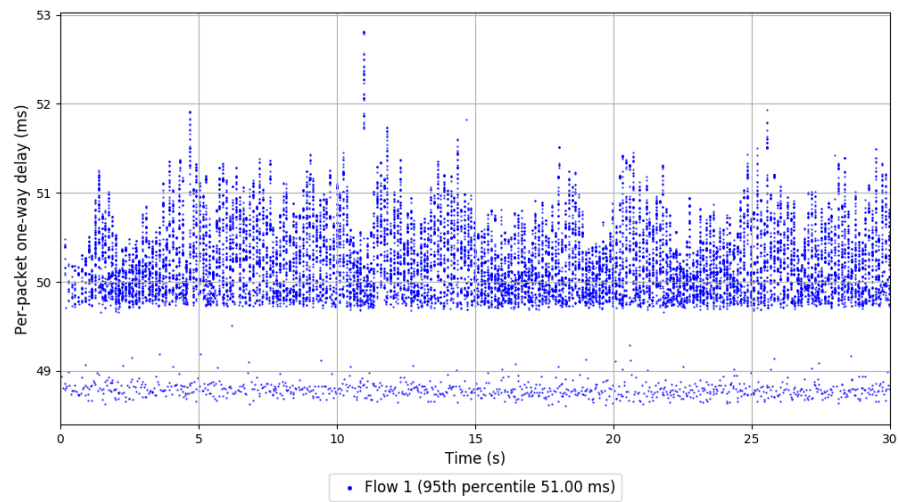
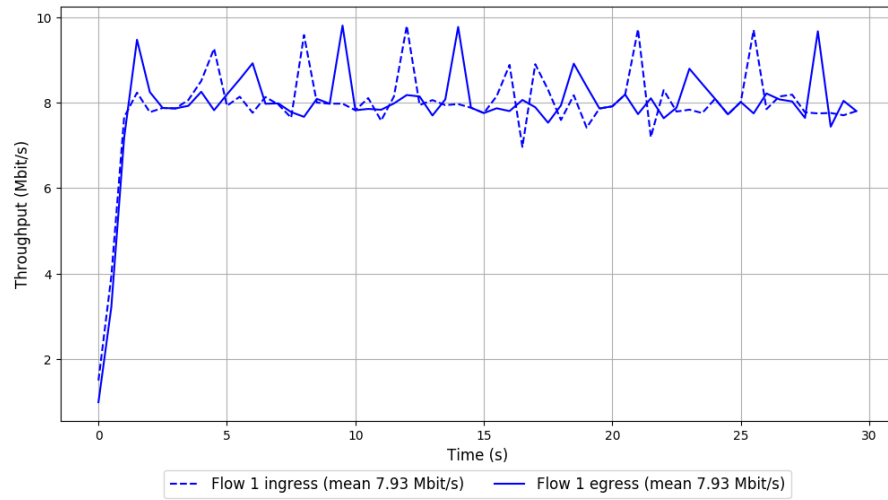
-- Flow 1:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 50.999 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-24 14:55:09

End at: 2018-04-24 14:55:39

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 51.824 ms

Loss rate: 0.00%

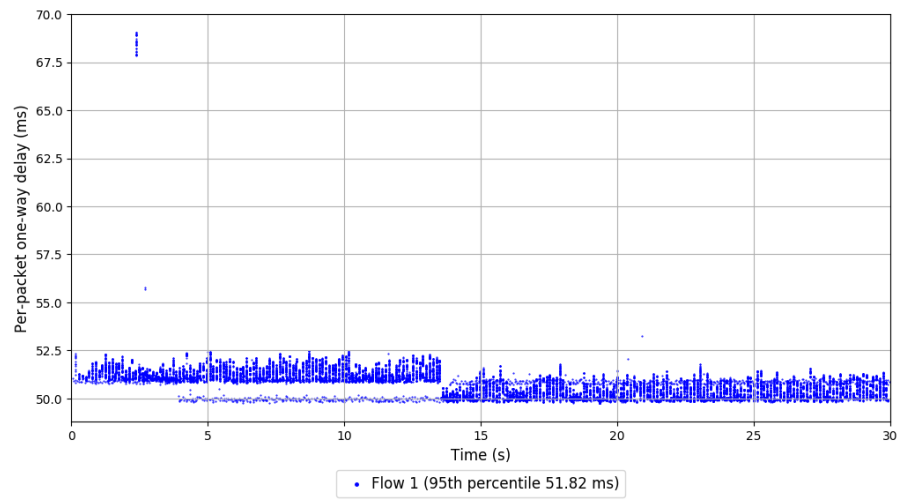
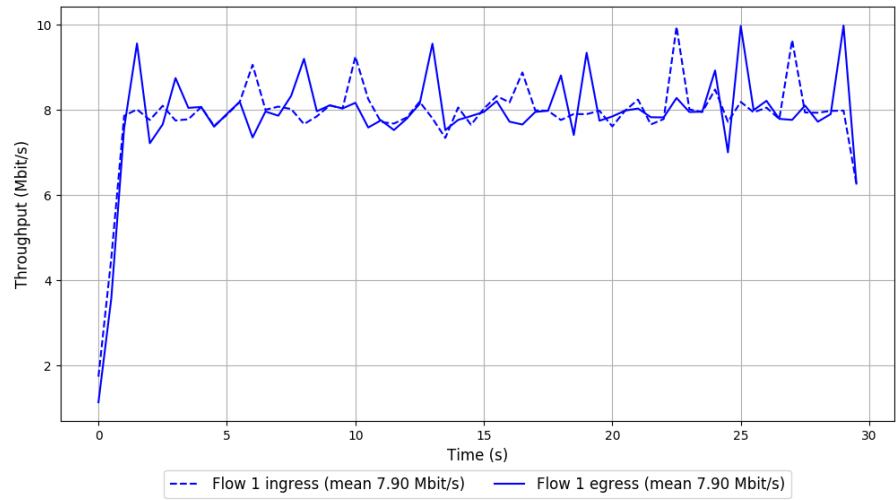
-- Flow 1:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 51.824 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 15:08:06

End at: 2018-04-24 15:08:36

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 52.014 ms

Loss rate: 0.00%

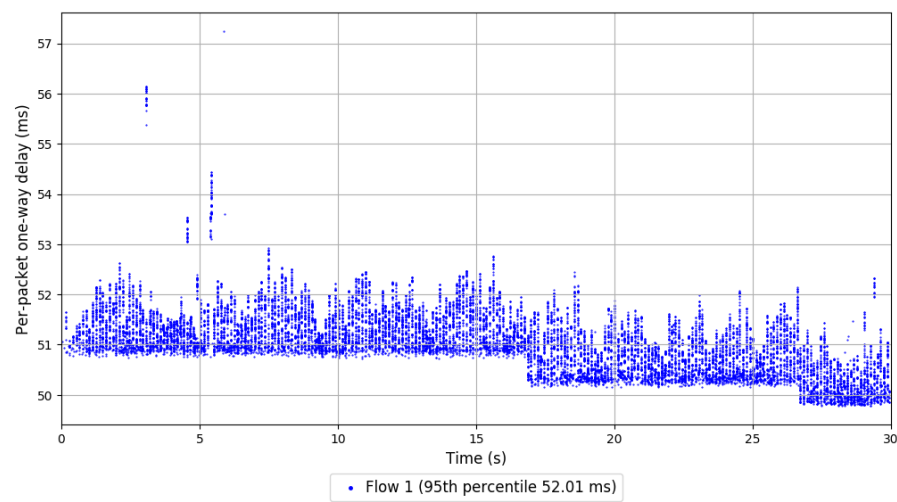
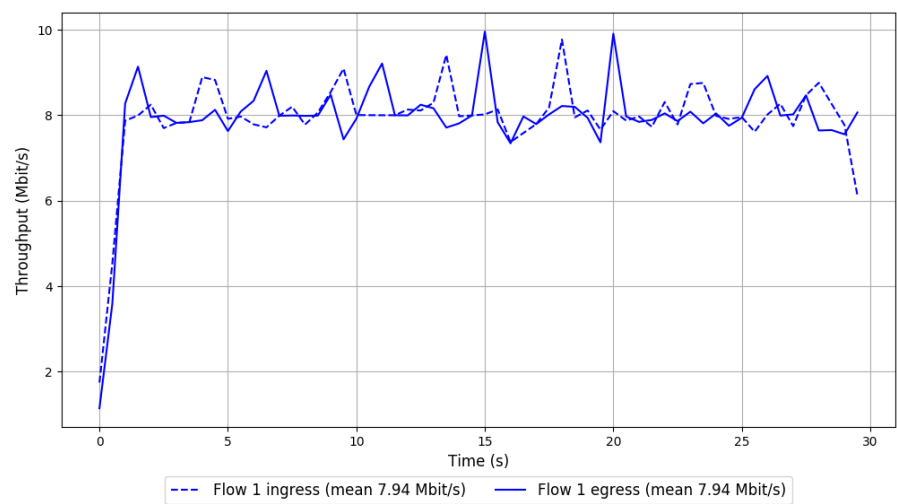
-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 52.014 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 15:21:04

End at: 2018-04-24 15:21:34

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 52.052 ms

Loss rate: 0.00%

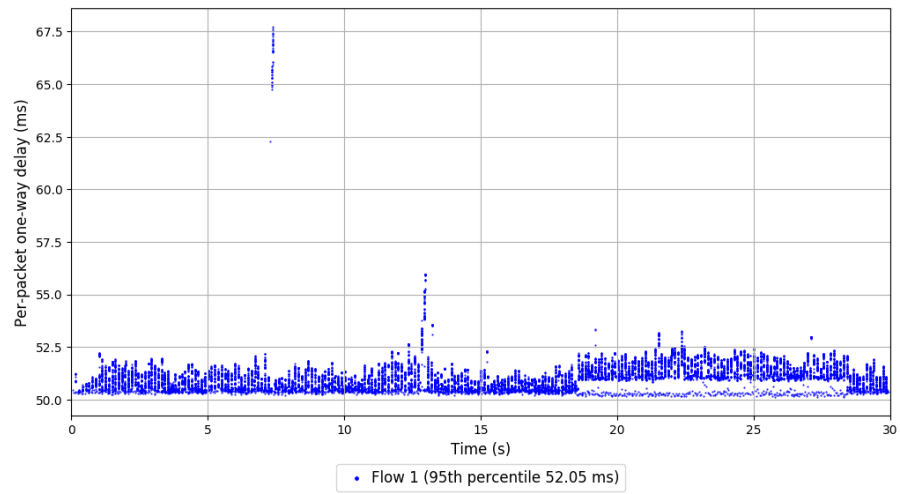
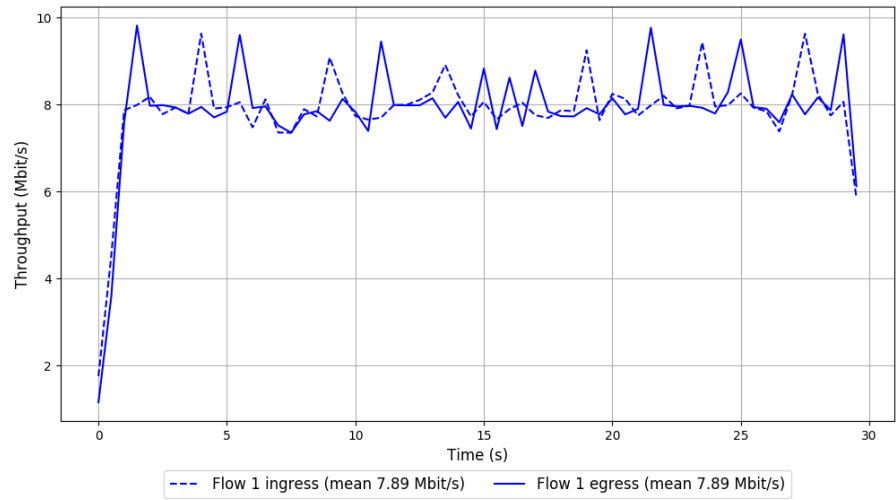
-- Flow 1:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 52.052 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-24 15:33:56

End at: 2018-04-24 15:34:26

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 52.082 ms

Loss rate: 0.00%

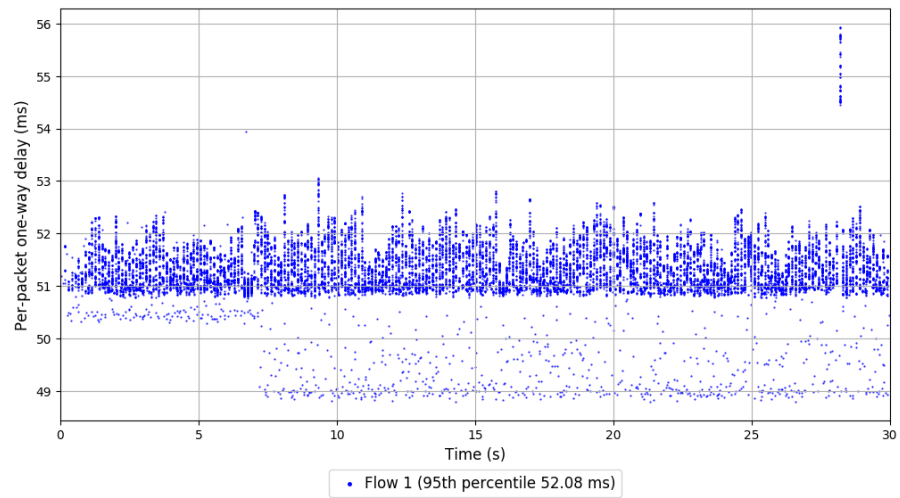
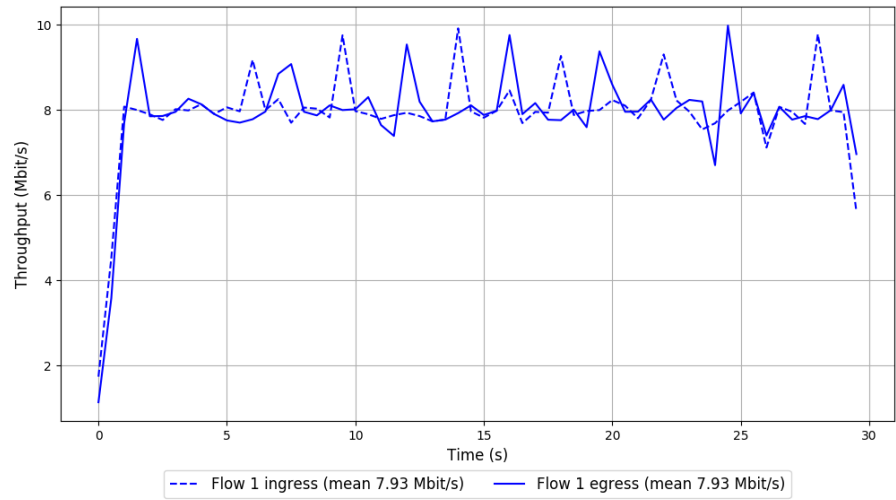
-- Flow 1:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 52.082 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 15:47:01

End at: 2018-04-24 15:47:31

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 52.160 ms

Loss rate: 0.00%

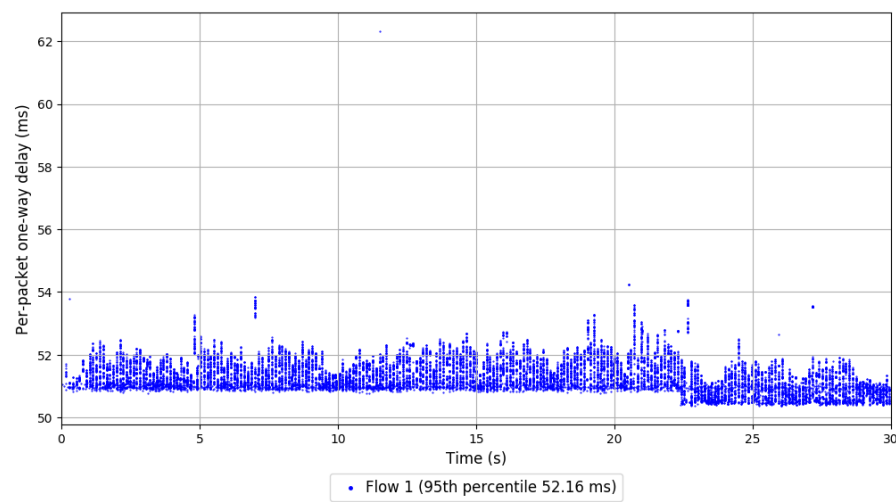
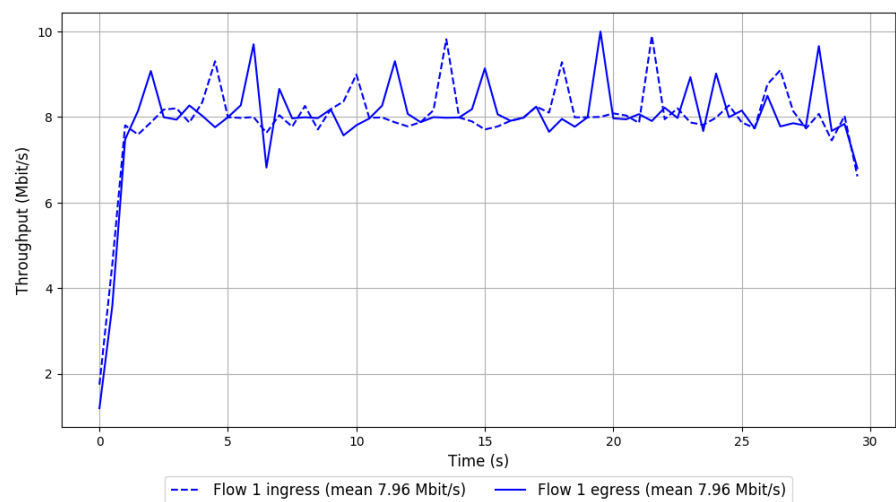
-- Flow 1:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 52.160 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 15:59:52

End at: 2018-04-24 16:00:22

Below is generated by plot.py at 2018-04-24 17:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 51.546 ms

Loss rate: 0.00%

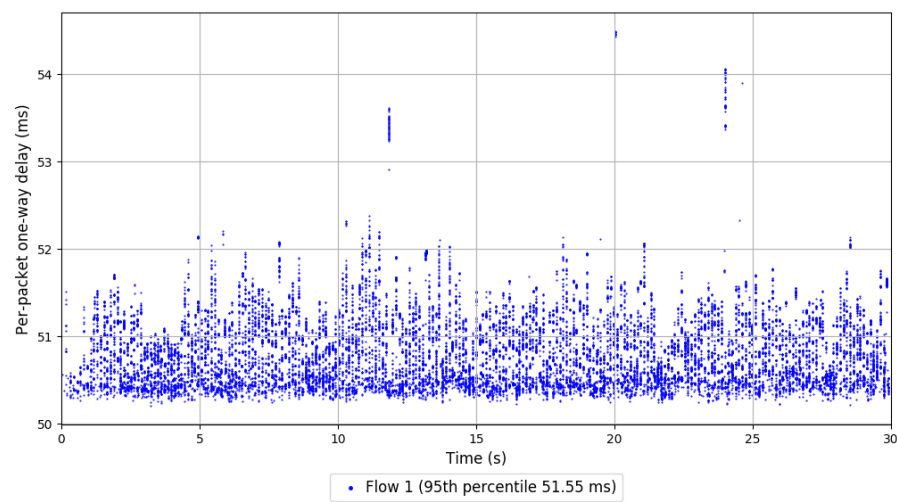
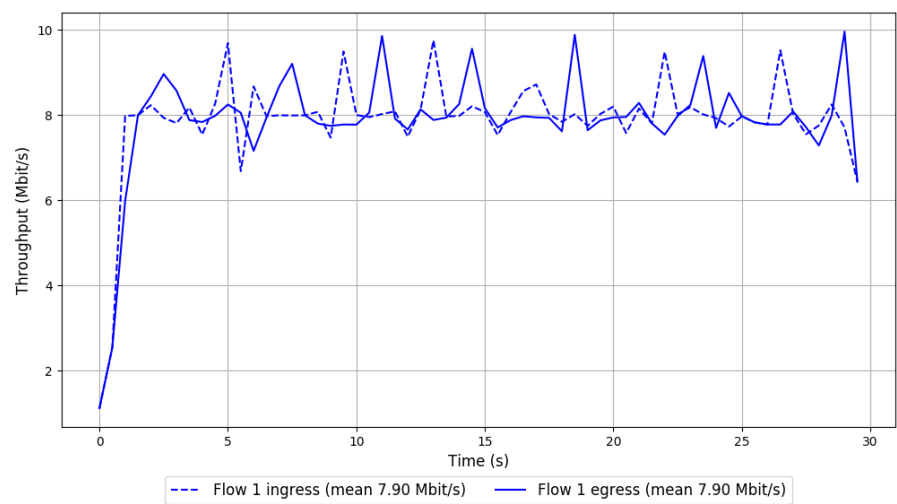
-- Flow 1:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 51.546 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

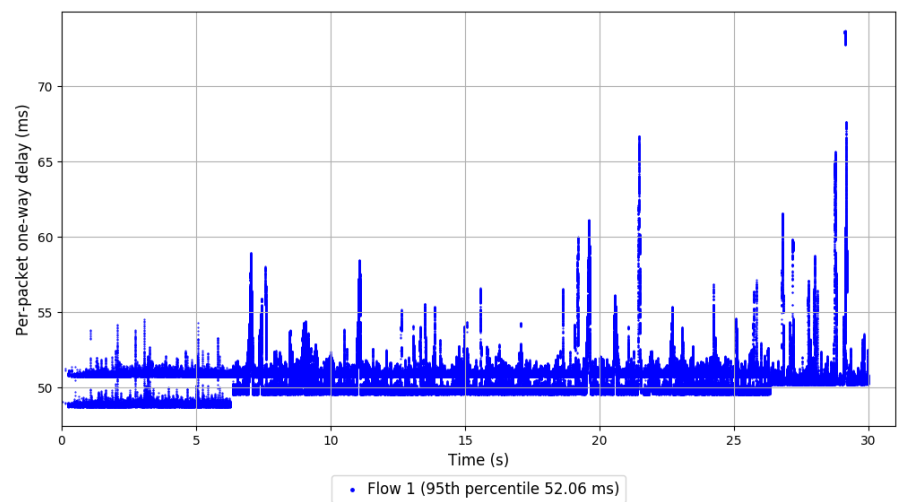
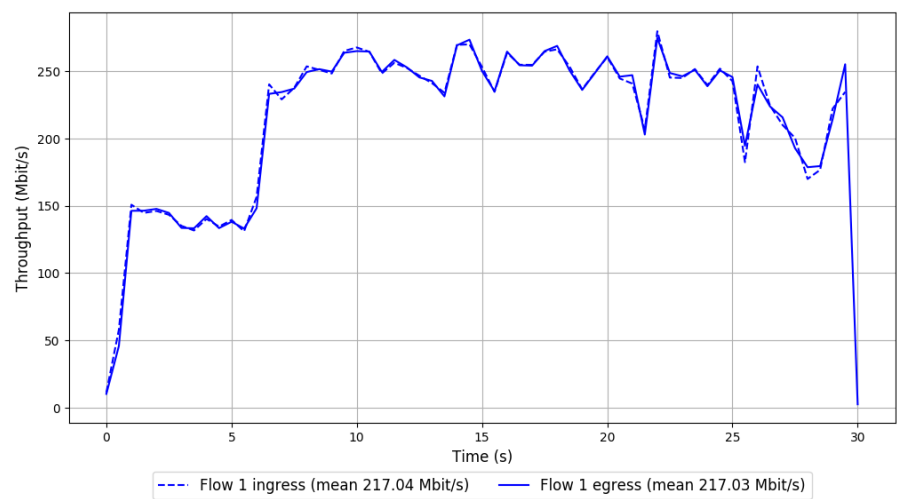


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 13:59:07
End at: 2018-04-24 13:59:37

# Below is generated by plot.py at 2018-04-24 17:58:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.03 Mbit/s
95th percentile per-packet one-way delay: 52.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.03 Mbit/s
95th percentile per-packet one-way delay: 52.060 ms
Loss rate: 0.00%
```

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

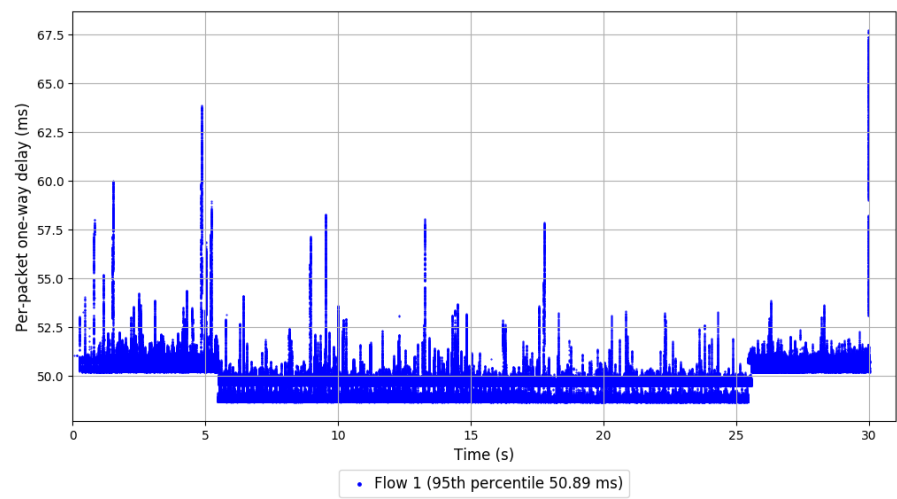
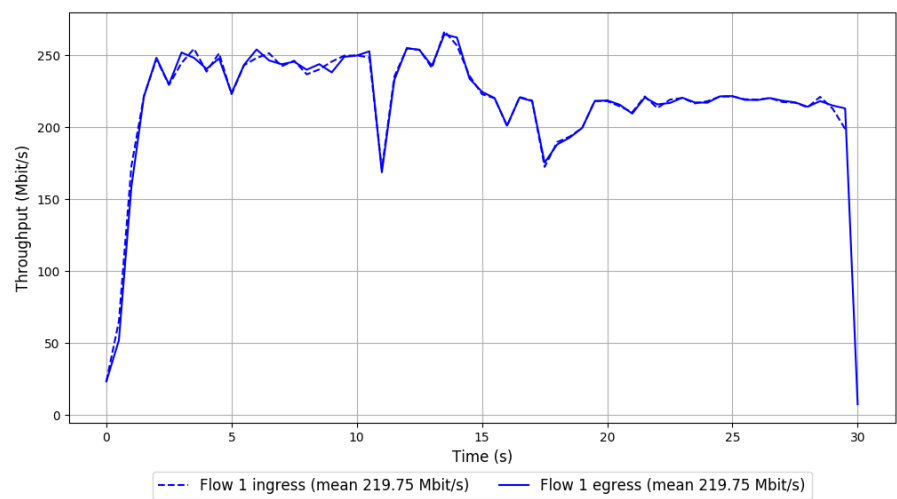


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 14:12:07
End at: 2018-04-24 14:12:37

# Below is generated by plot.py at 2018-04-24 17:58:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.75 Mbit/s
95th percentile per-packet one-way delay: 50.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.75 Mbit/s
95th percentile per-packet one-way delay: 50.888 ms
Loss rate: 0.00%
```

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

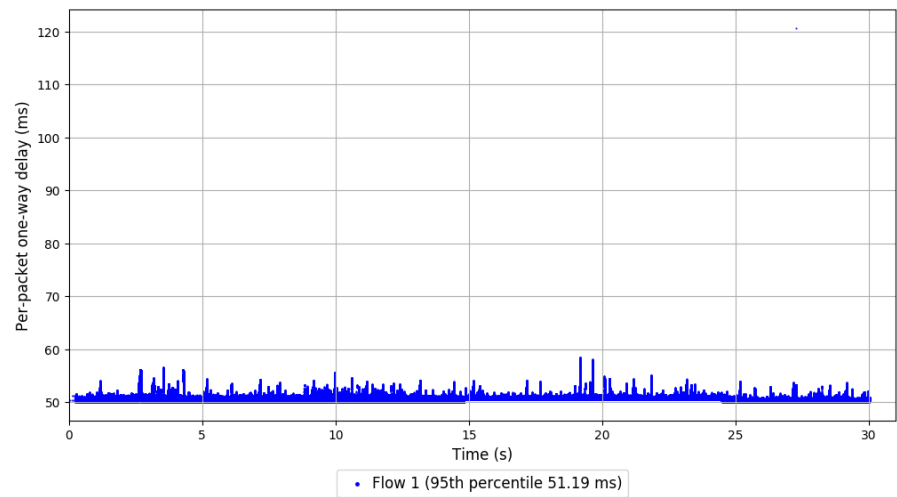
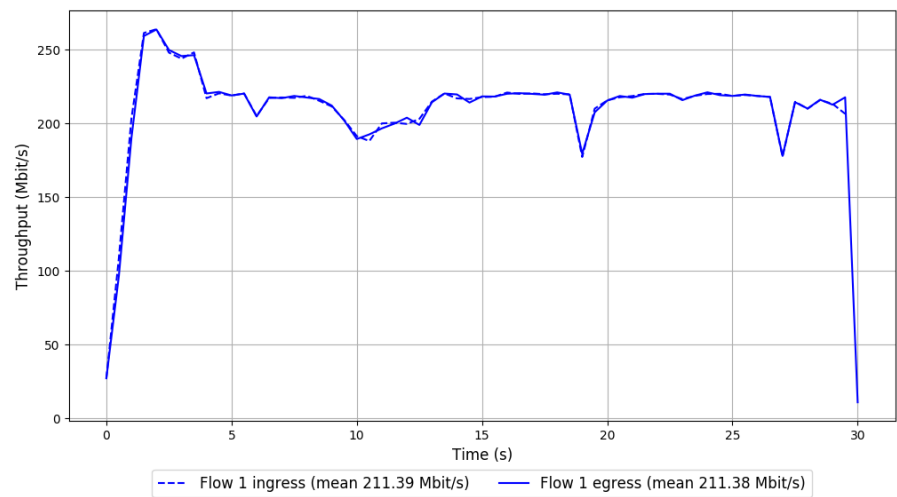


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 14:25:19
End at: 2018-04-24 14:25:49

# Below is generated by plot.py at 2018-04-24 17:58:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.38 Mbit/s
95th percentile per-packet one-way delay: 51.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.38 Mbit/s
95th percentile per-packet one-way delay: 51.194 ms
Loss rate: 0.00%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 14:38:19

End at: 2018-04-24 14:38:49

Below is generated by plot.py at 2018-04-24 17:58:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.20 Mbit/s

95th percentile per-packet one-way delay: 50.973 ms

Loss rate: 0.00%

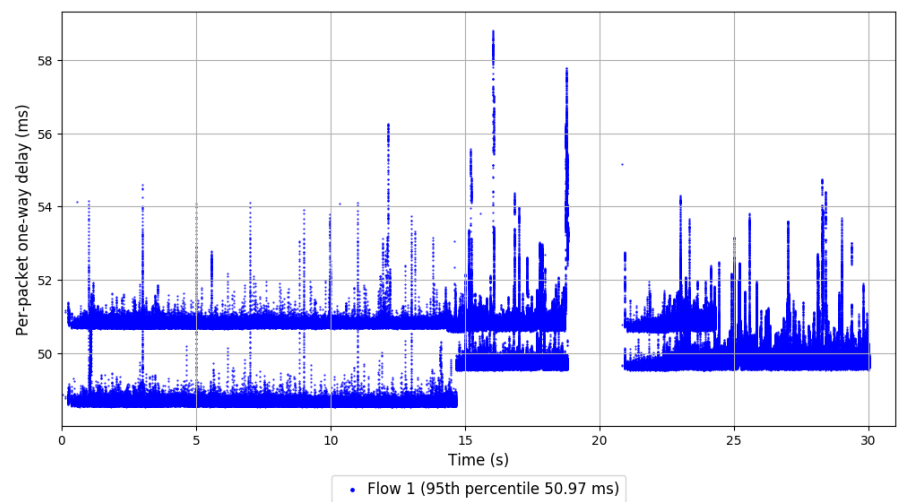
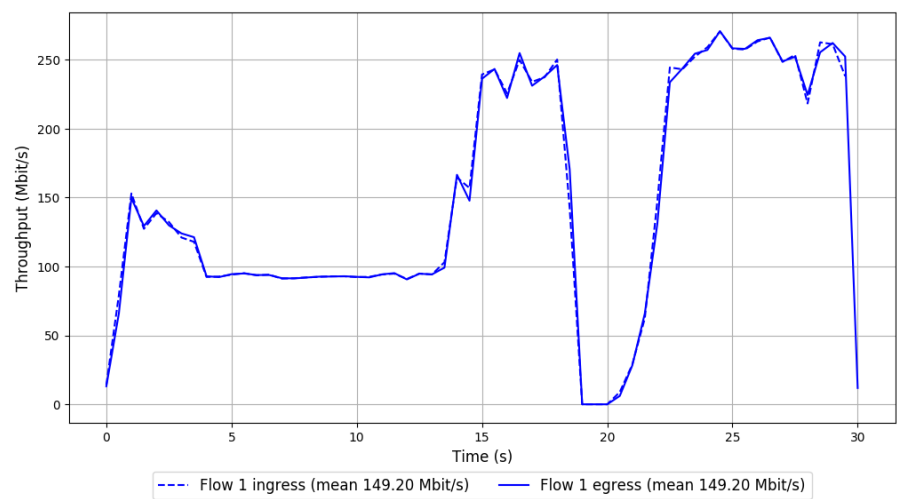
-- Flow 1:

Average throughput: 149.20 Mbit/s

95th percentile per-packet one-way delay: 50.973 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 14:51:15

End at: 2018-04-24 14:51:45

Below is generated by plot.py at 2018-04-24 17:58:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.17 Mbit/s

95th percentile per-packet one-way delay: 51.094 ms

Loss rate: 0.00%

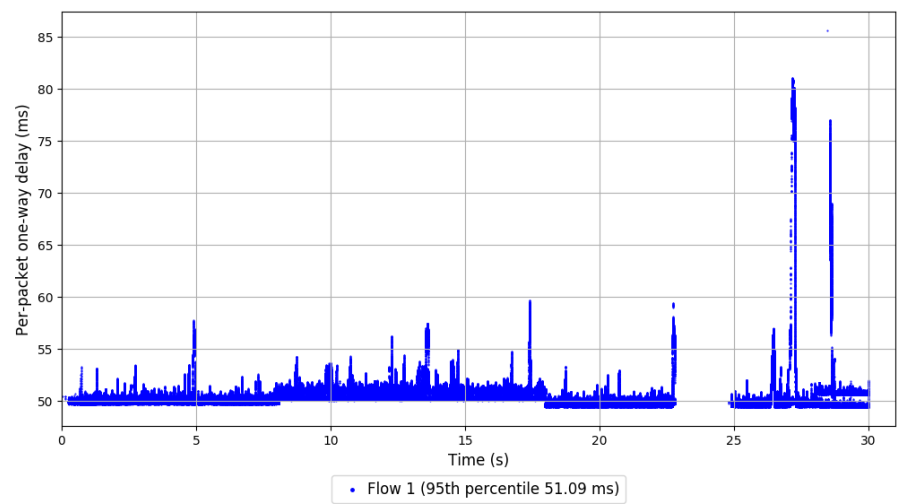
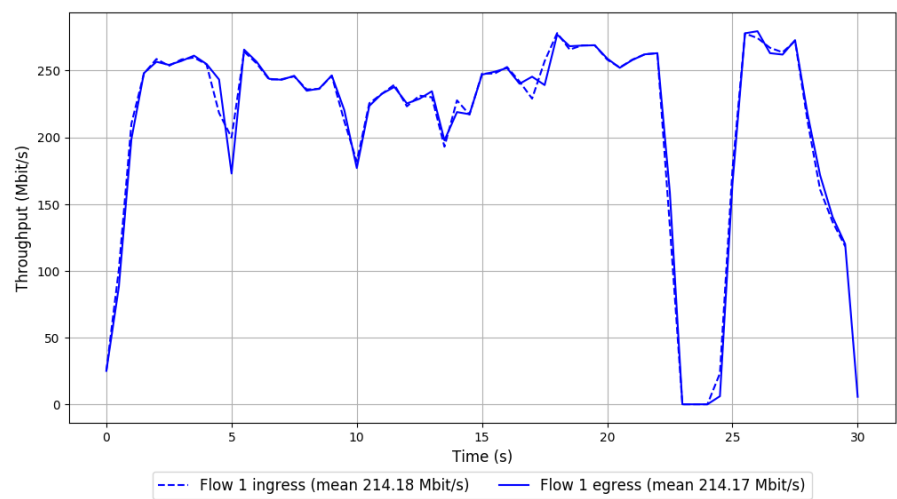
-- Flow 1:

Average throughput: 214.17 Mbit/s

95th percentile per-packet one-way delay: 51.094 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 15:04:14

End at: 2018-04-24 15:04:44

Below is generated by plot.py at 2018-04-24 17:58:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.08 Mbit/s

95th percentile per-packet one-way delay: 50.967 ms

Loss rate: 0.00%

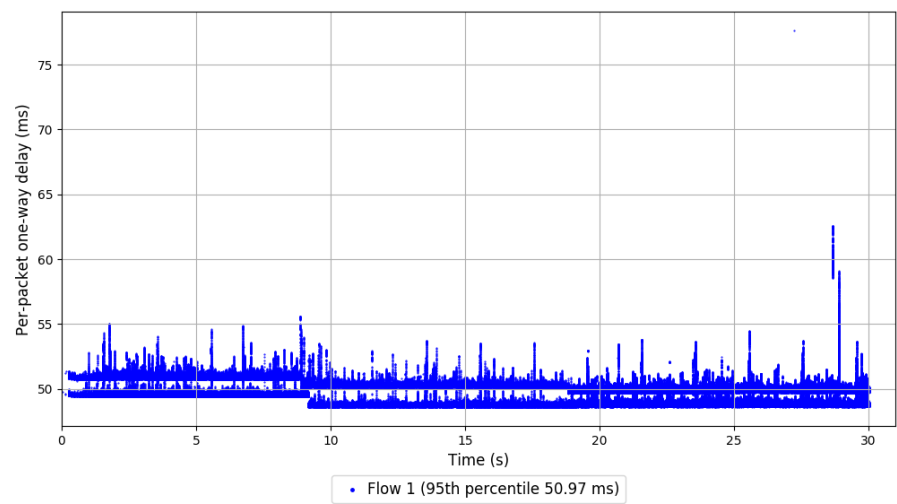
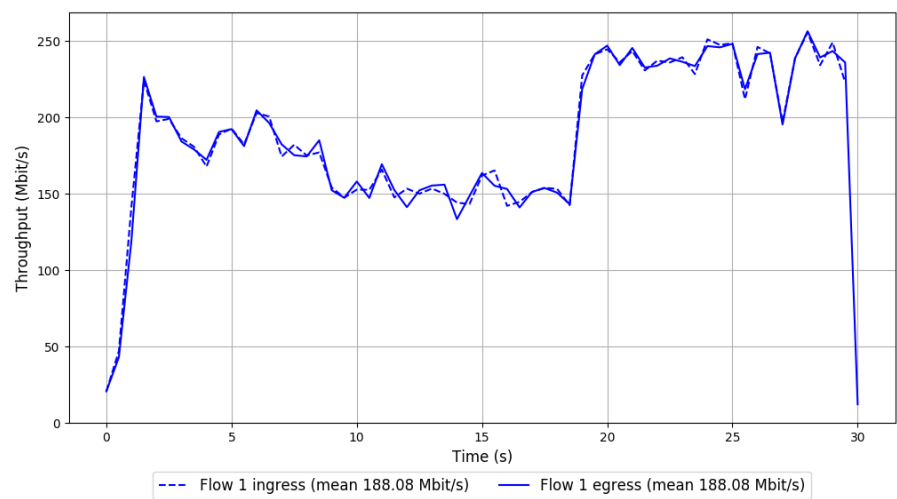
-- Flow 1:

Average throughput: 188.08 Mbit/s

95th percentile per-packet one-way delay: 50.967 ms

Loss rate: 0.00%

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

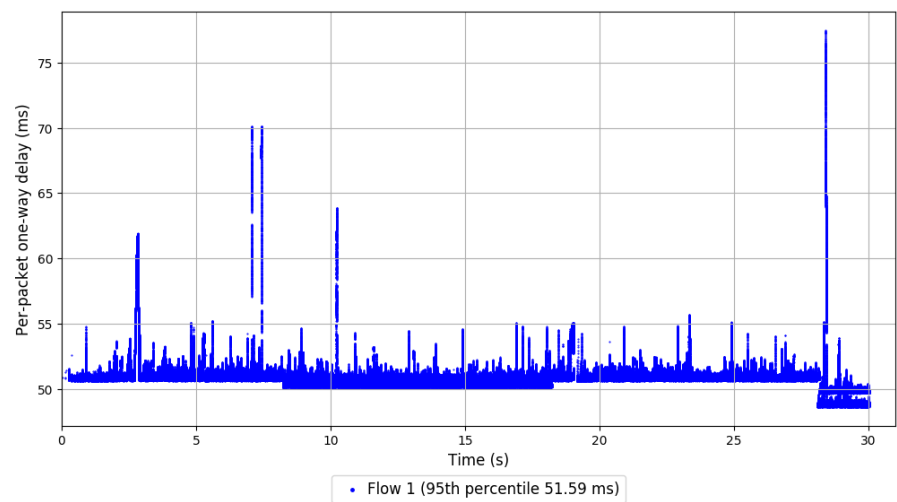
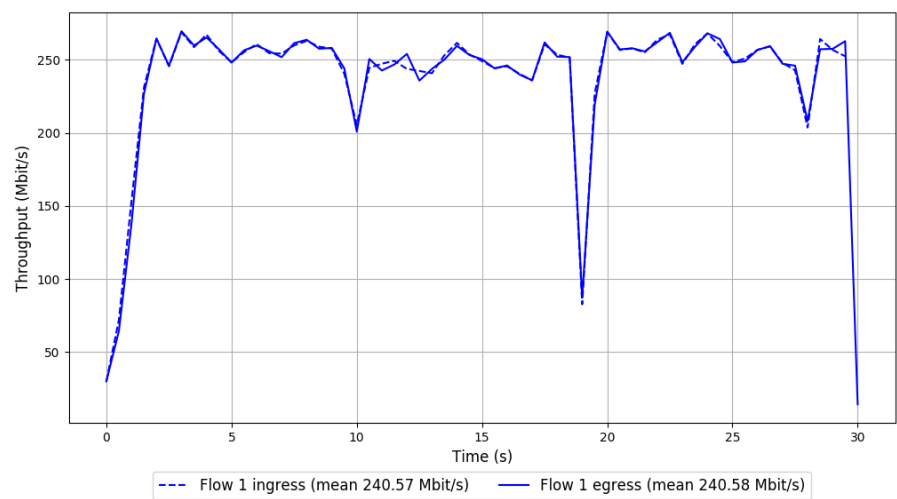


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 15:17:05
End at: 2018-04-24 15:17:35

# Below is generated by plot.py at 2018-04-24 18:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.58 Mbit/s
95th percentile per-packet one-way delay: 51.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 240.58 Mbit/s
95th percentile per-packet one-way delay: 51.585 ms
Loss rate: 0.00%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 15:30:19

End at: 2018-04-24 15:30:49

Below is generated by plot.py at 2018-04-24 18:02:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 50.910 ms

Loss rate: 0.00%

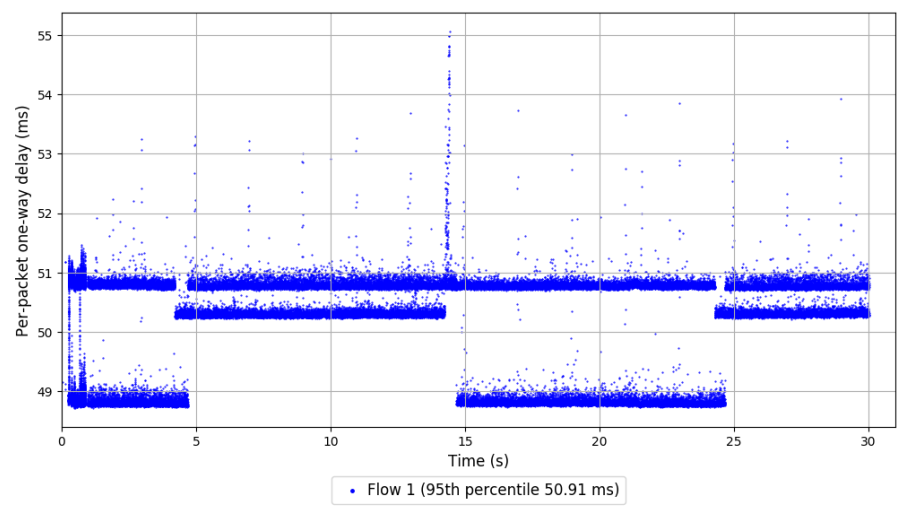
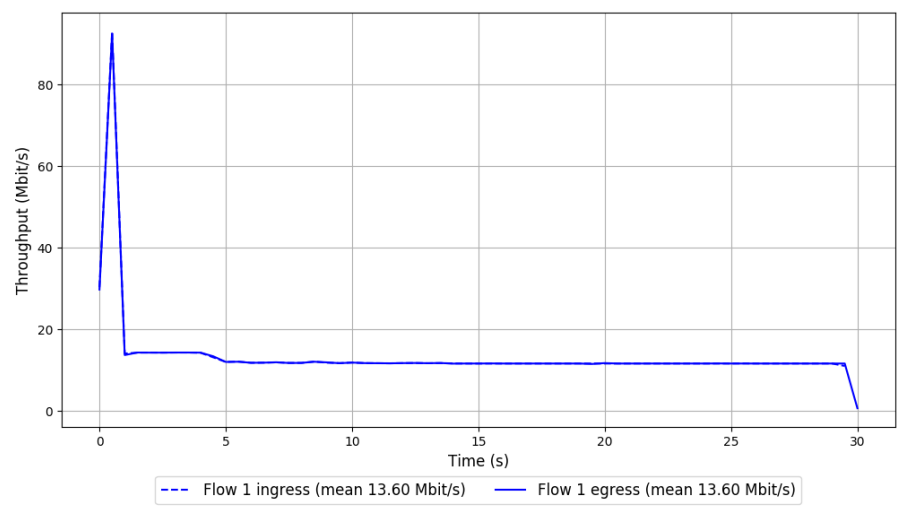
-- Flow 1:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 50.910 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 15:43:06

End at: 2018-04-24 15:43:36

Below is generated by plot.py at 2018-04-24 18:02:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.01 Mbit/s

95th percentile per-packet one-way delay: 51.189 ms

Loss rate: 0.00%

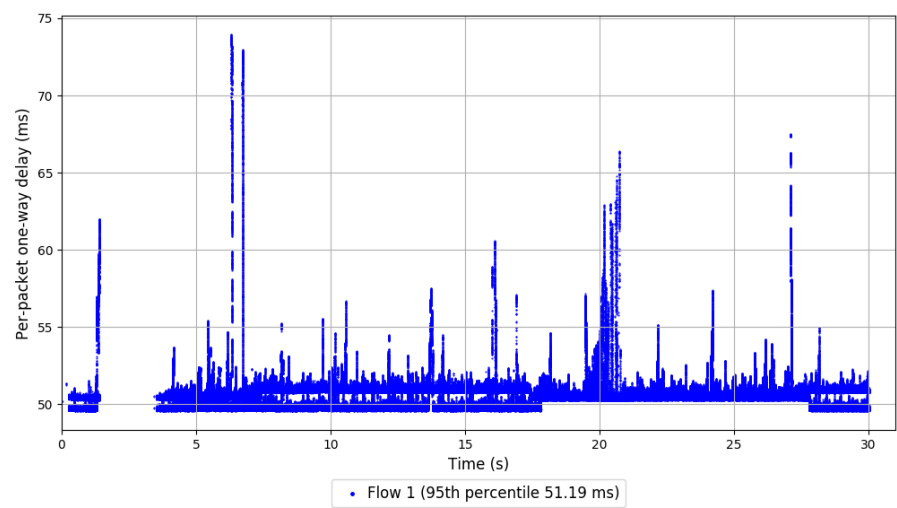
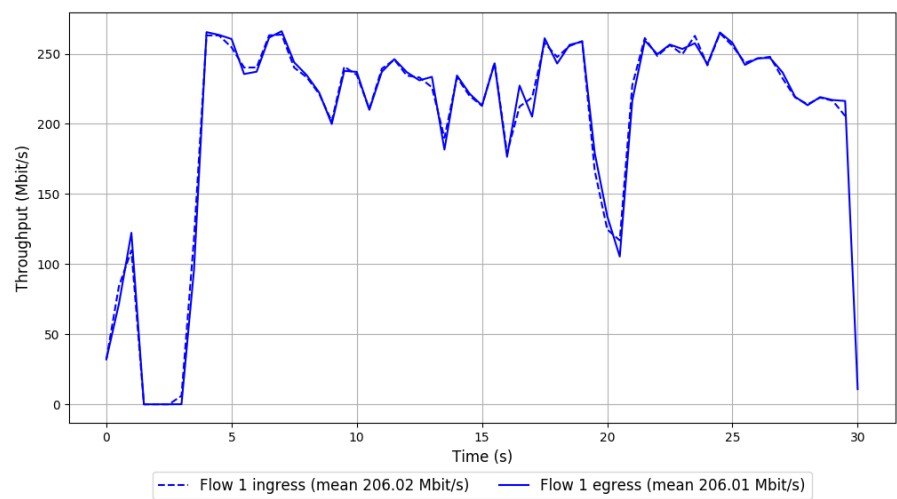
-- Flow 1:

Average throughput: 206.01 Mbit/s

95th percentile per-packet one-way delay: 51.189 ms

Loss rate: 0.00%

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

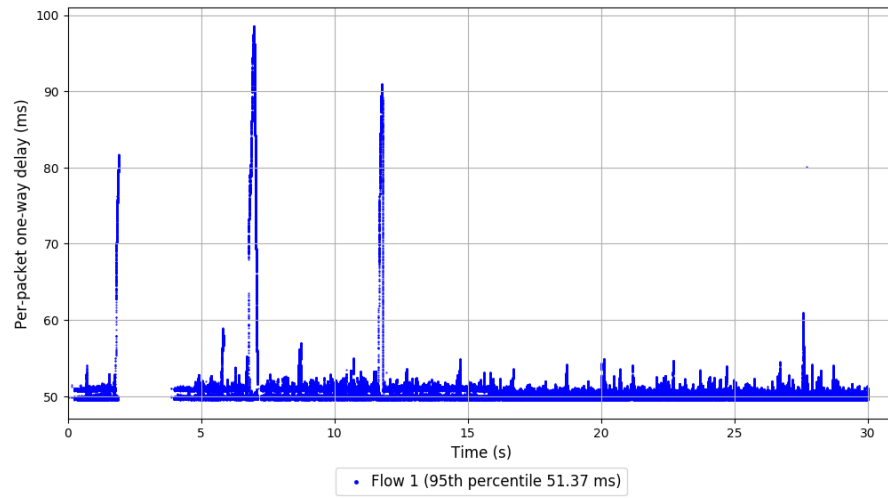
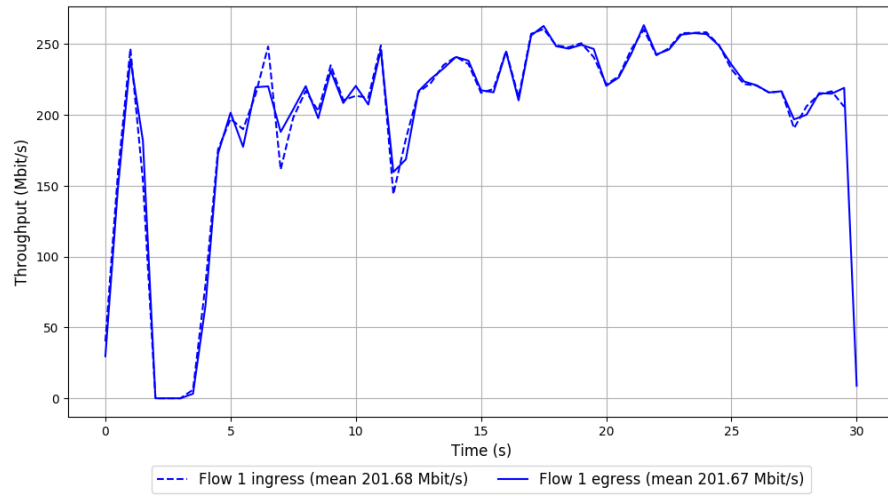


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 15:55:57
End at: 2018-04-24 15:56:27

# Below is generated by plot.py at 2018-04-24 18:03:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.67 Mbit/s
95th percentile per-packet one-way delay: 51.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.67 Mbit/s
95th percentile per-packet one-way delay: 51.365 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

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

End at: 2018-04-24 13:58:55

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 52.016 ms

Loss rate: 0.00%

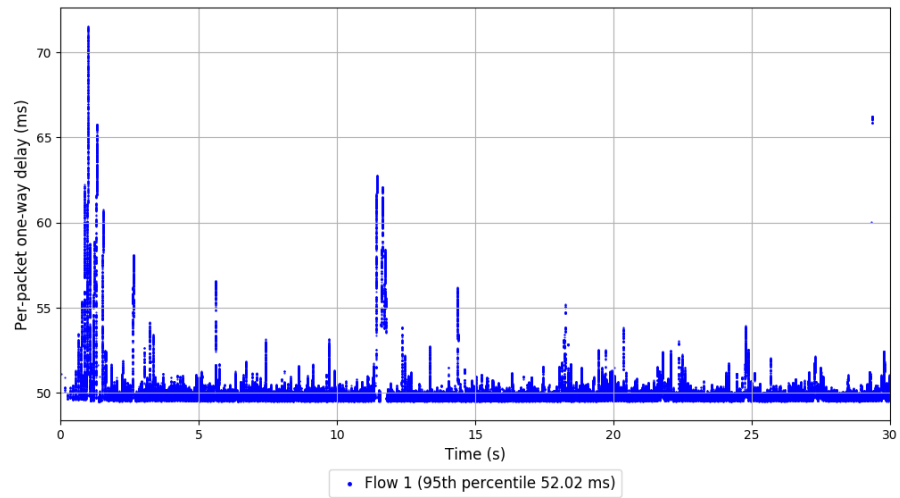
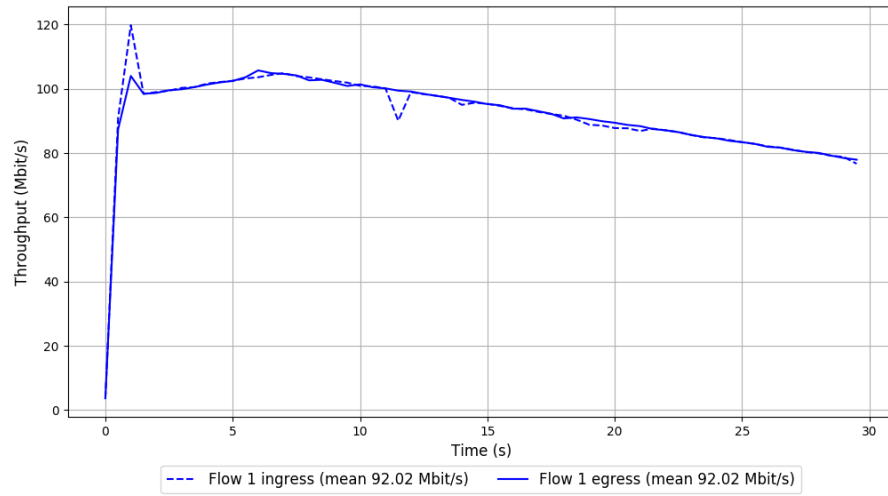
-- Flow 1:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 52.016 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 14:11:28

End at: 2018-04-24 14:11:58

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.68 Mbit/s

95th percentile per-packet one-way delay: 51.147 ms

Loss rate: 0.00%

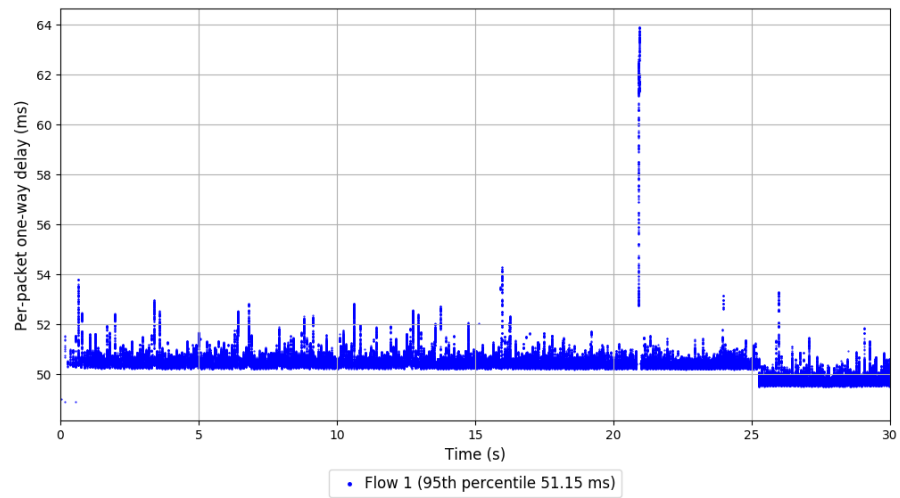
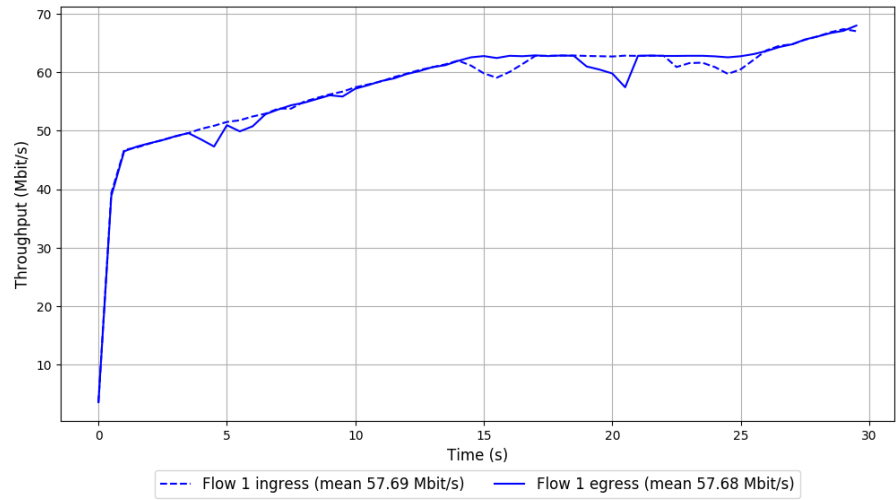
-- Flow 1:

Average throughput: 57.68 Mbit/s

95th percentile per-packet one-way delay: 51.147 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 14:24:35

End at: 2018-04-24 14:25:05

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.73 Mbit/s

95th percentile per-packet one-way delay: 60.626 ms

Loss rate: 0.00%

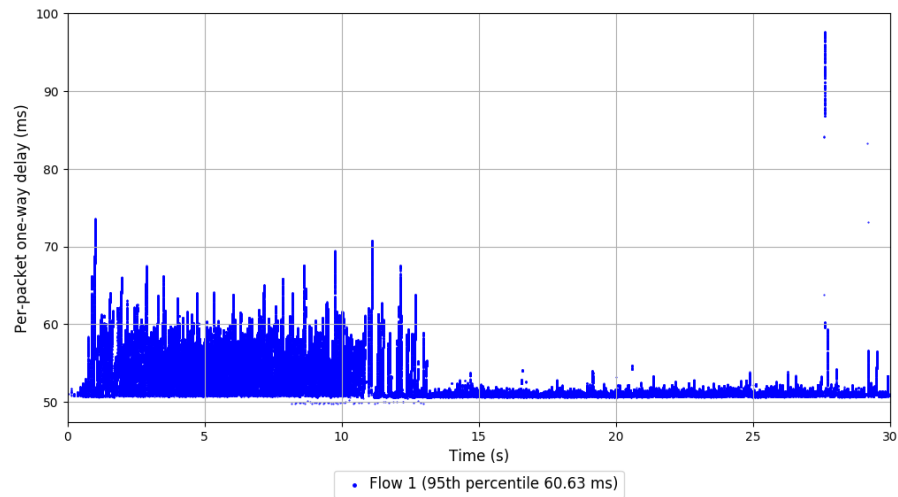
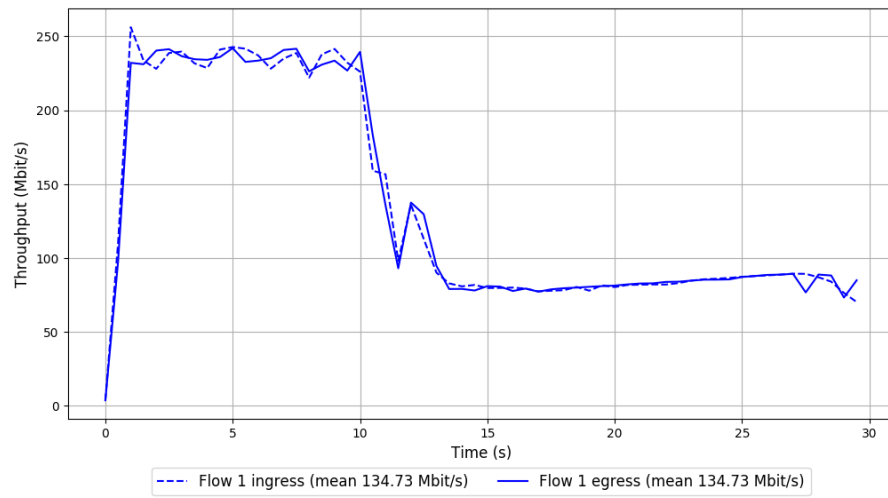
-- Flow 1:

Average throughput: 134.73 Mbit/s

95th percentile per-packet one-way delay: 60.626 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 14:37:39

End at: 2018-04-24 14:38:09

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.88 Mbit/s

95th percentile per-packet one-way delay: 52.276 ms

Loss rate: 0.00%

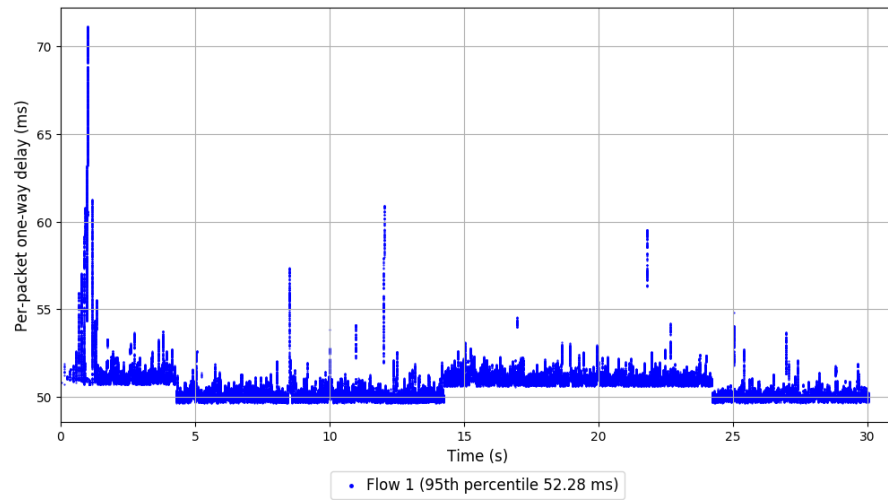
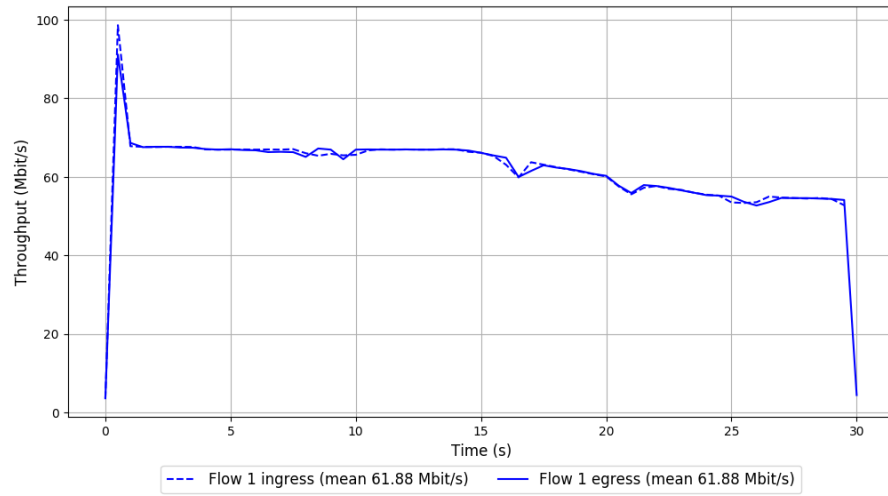
-- Flow 1:

Average throughput: 61.88 Mbit/s

95th percentile per-packet one-way delay: 52.276 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 14:50:32

End at: 2018-04-24 14:51:02

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.66 Mbit/s

95th percentile per-packet one-way delay: 52.744 ms

Loss rate: 0.00%

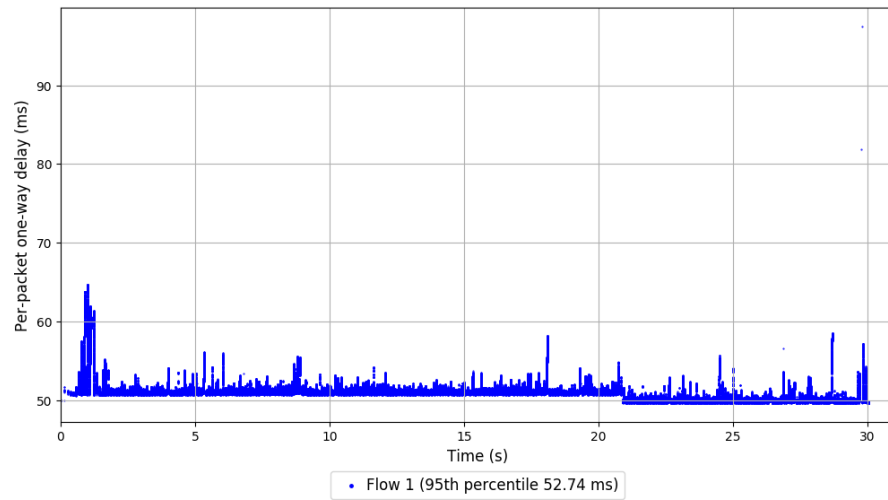
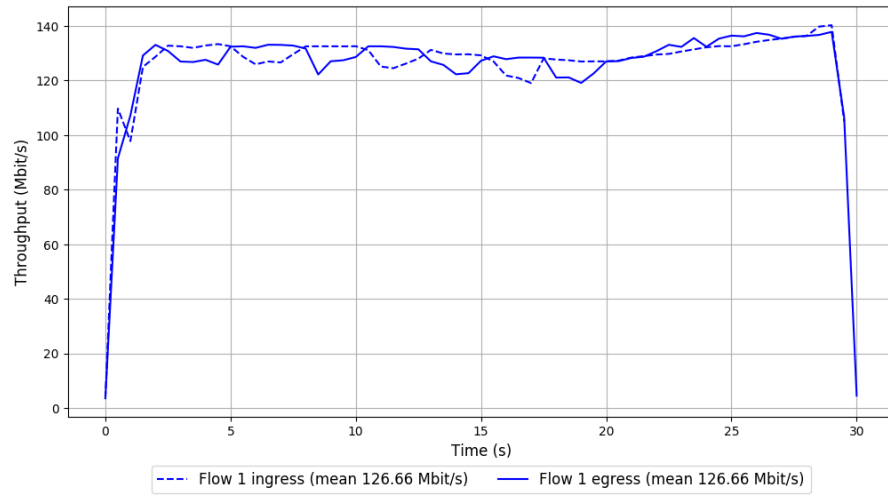
-- Flow 1:

Average throughput: 126.66 Mbit/s

95th percentile per-packet one-way delay: 52.744 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 15:03:34

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

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 51.805 ms

Loss rate: 0.00%

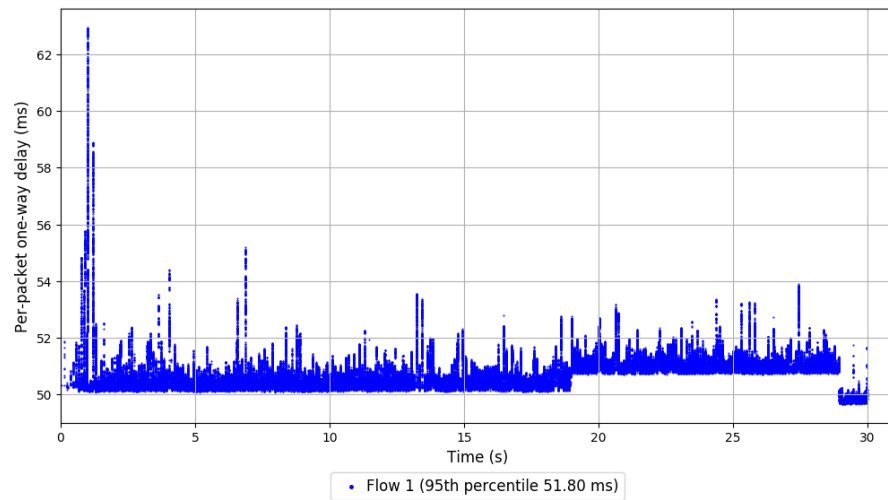
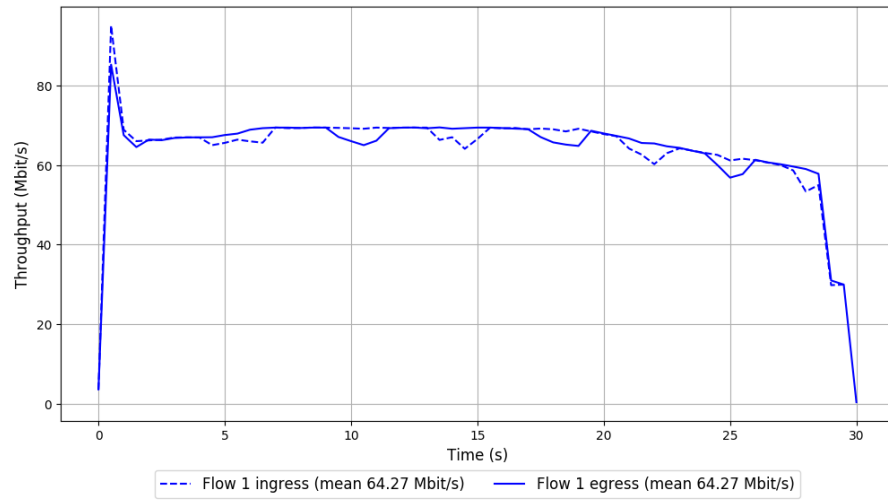
-- Flow 1:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 51.805 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 15:16:25

End at: 2018-04-24 15:16:55

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 51.760 ms

Loss rate: 0.00%

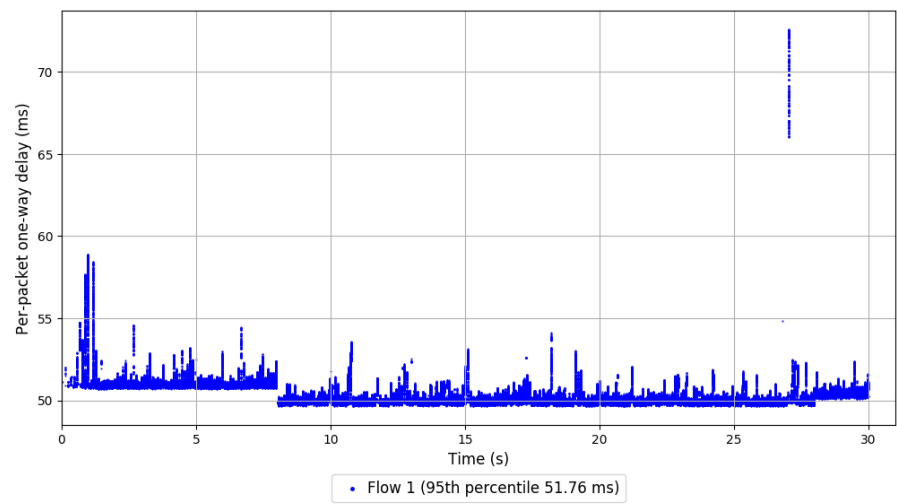
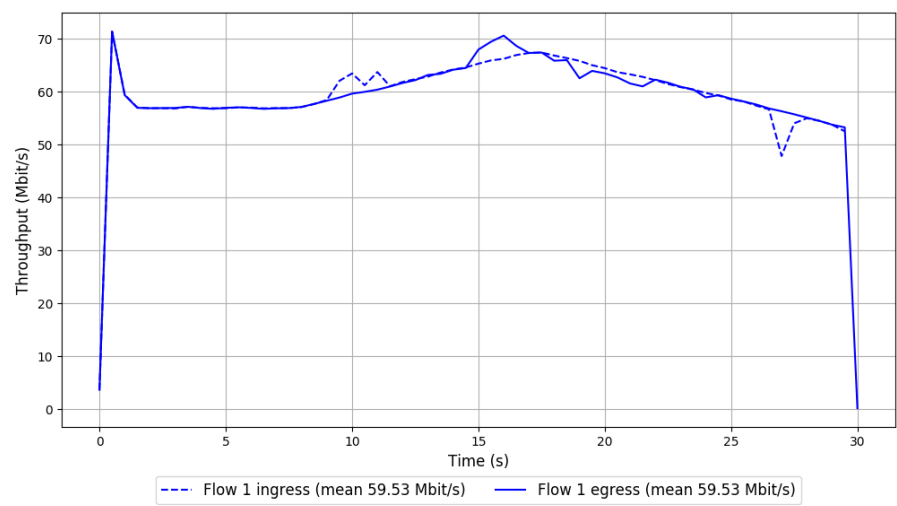
-- Flow 1:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 51.760 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 15:29:37

End at: 2018-04-24 15:30:07

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.65 Mbit/s

95th percentile per-packet one-way delay: 52.235 ms

Loss rate: 0.00%

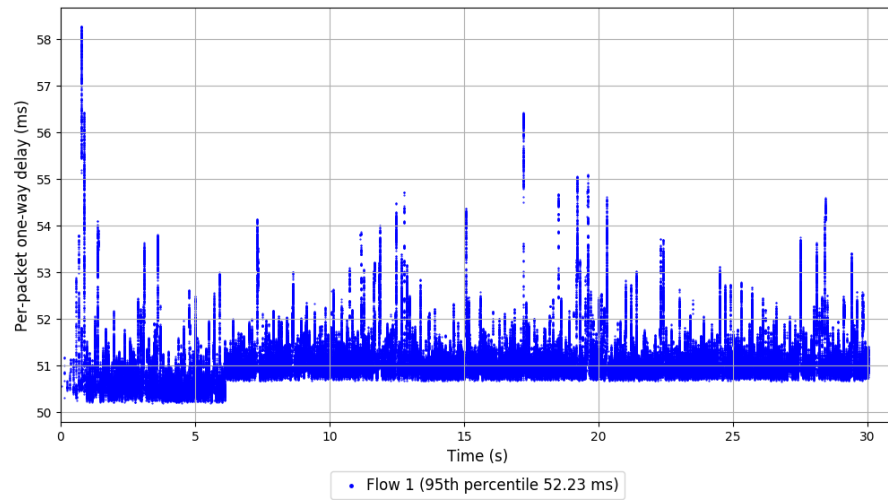
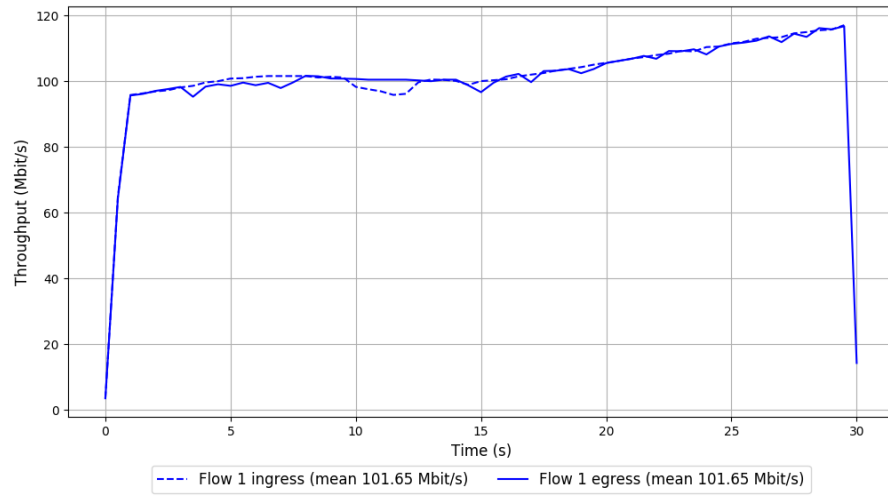
-- Flow 1:

Average throughput: 101.65 Mbit/s

95th percentile per-packet one-way delay: 52.235 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 15:42:21

End at: 2018-04-24 15:42:51

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.52 Mbit/s

95th percentile per-packet one-way delay: 52.061 ms

Loss rate: 0.00%

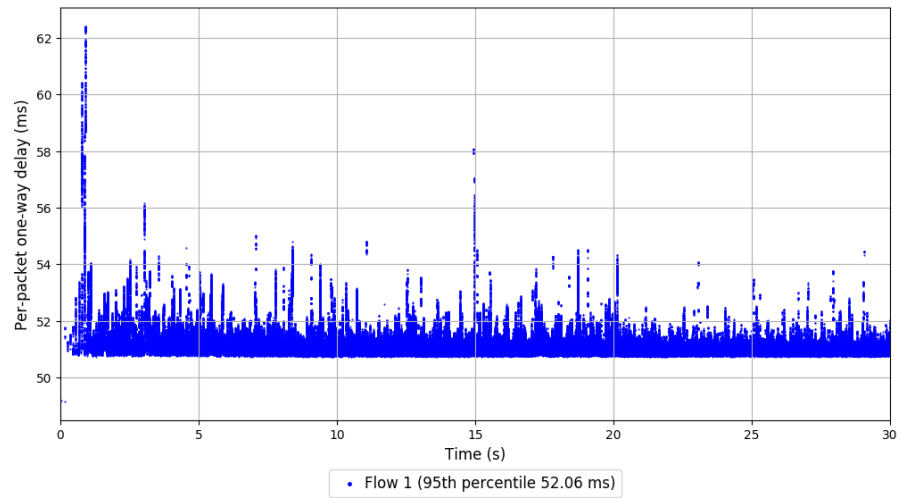
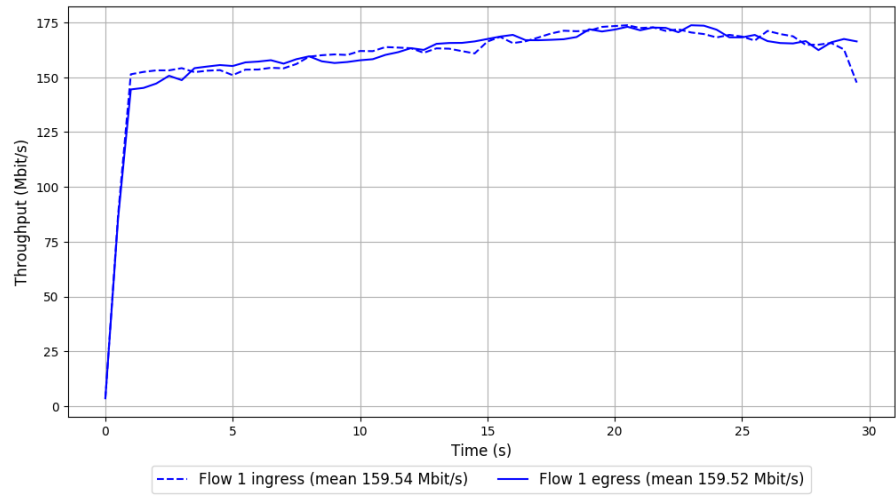
-- Flow 1:

Average throughput: 159.52 Mbit/s

95th percentile per-packet one-way delay: 52.061 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 15:55:16

End at: 2018-04-24 15:55:46

Below is generated by plot.py at 2018-04-24 18:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 52.556 ms

Loss rate: 0.00%

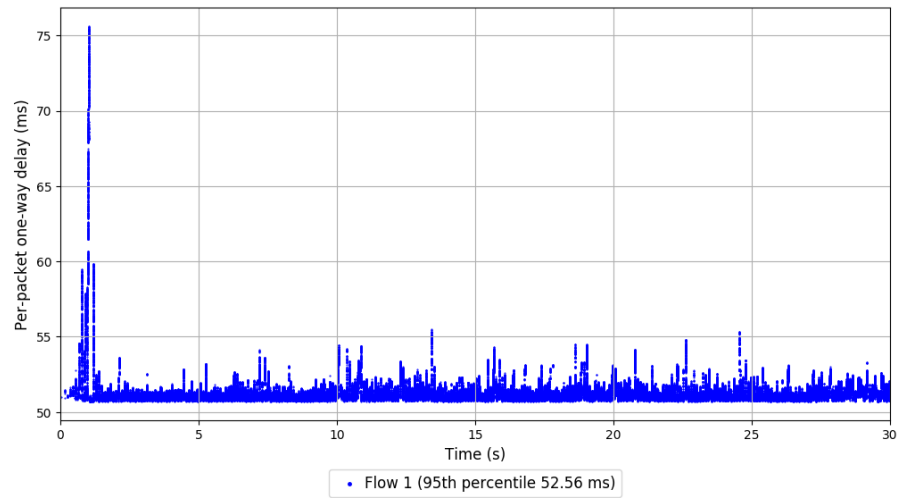
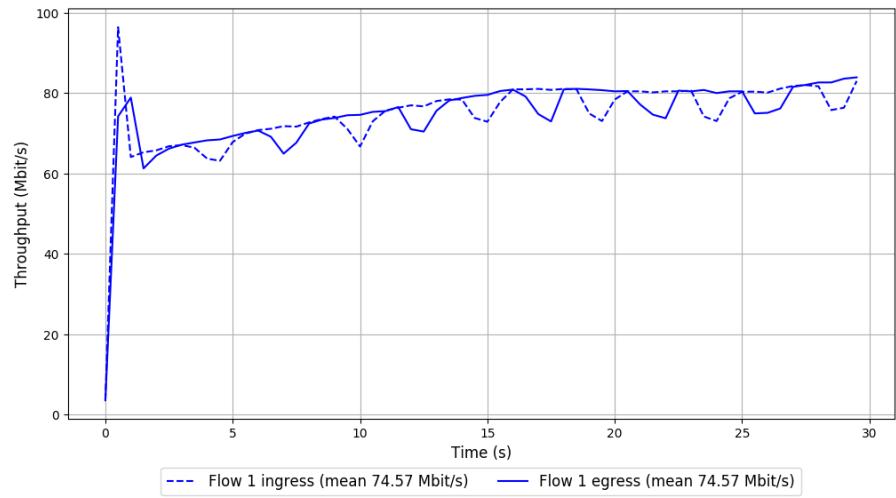
-- Flow 1:

Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 52.556 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-24 14:01:25

End at: 2018-04-24 14:01:55

Below is generated by plot.py at 2018-04-24 18:04:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.74 Mbit/s

95th percentile per-packet one-way delay: 86.950 ms

Loss rate: 0.00%

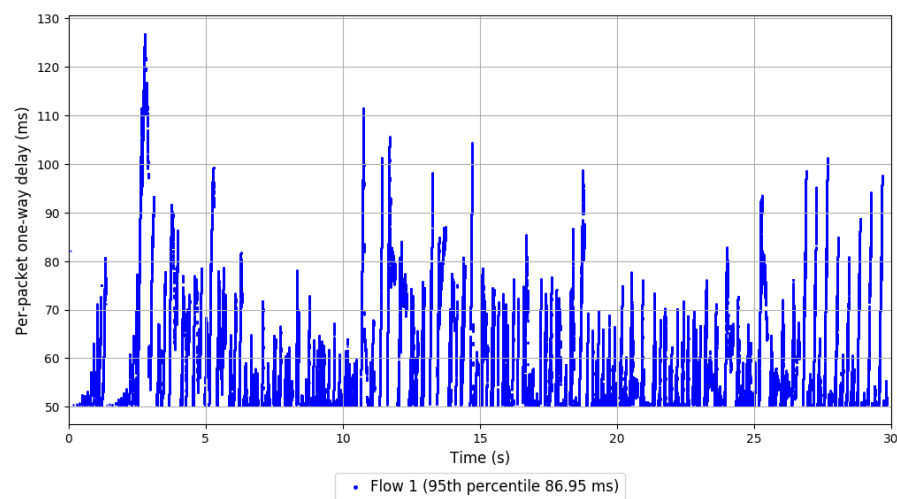
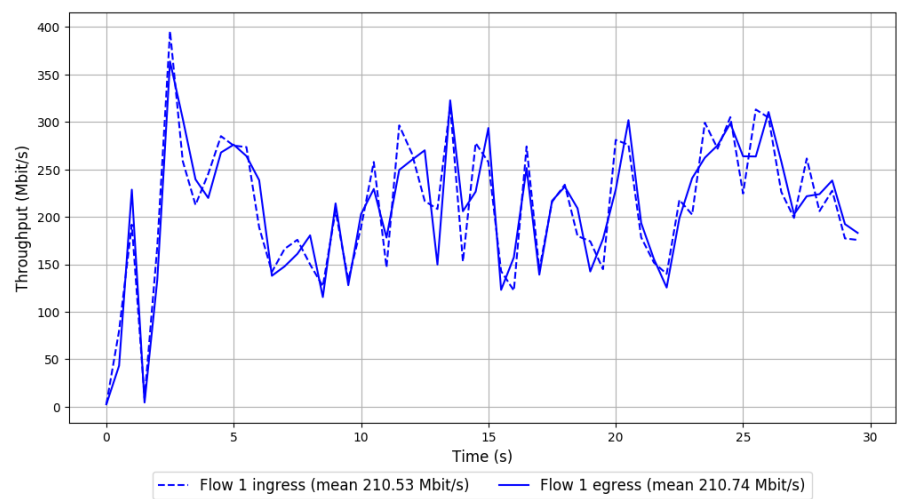
-- Flow 1:

Average throughput: 210.74 Mbit/s

95th percentile per-packet one-way delay: 86.950 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-24 14:14:27

End at: 2018-04-24 14:14:57

Below is generated by plot.py at 2018-04-24 18:05:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.55 Mbit/s

95th percentile per-packet one-way delay: 95.067 ms

Loss rate: 0.03%

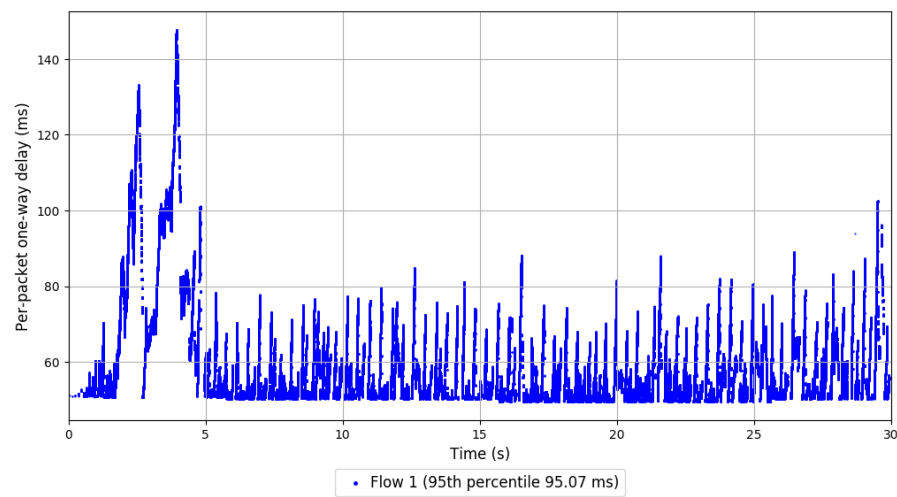
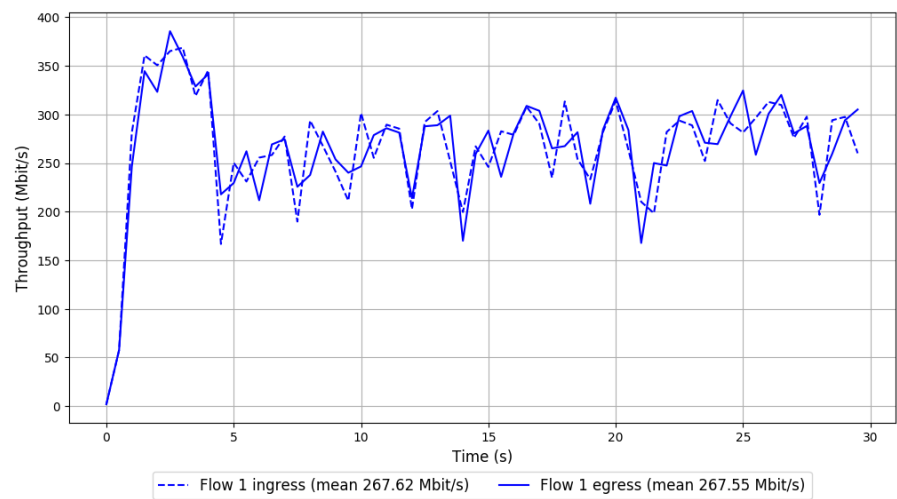
-- Flow 1:

Average throughput: 267.55 Mbit/s

95th percentile per-packet one-way delay: 95.067 ms

Loss rate: 0.03%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-24 14:27:39

End at: 2018-04-24 14:28:09

Below is generated by plot.py at 2018-04-24 18:05:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.18 Mbit/s

95th percentile per-packet one-way delay: 102.912 ms

Loss rate: 0.56%

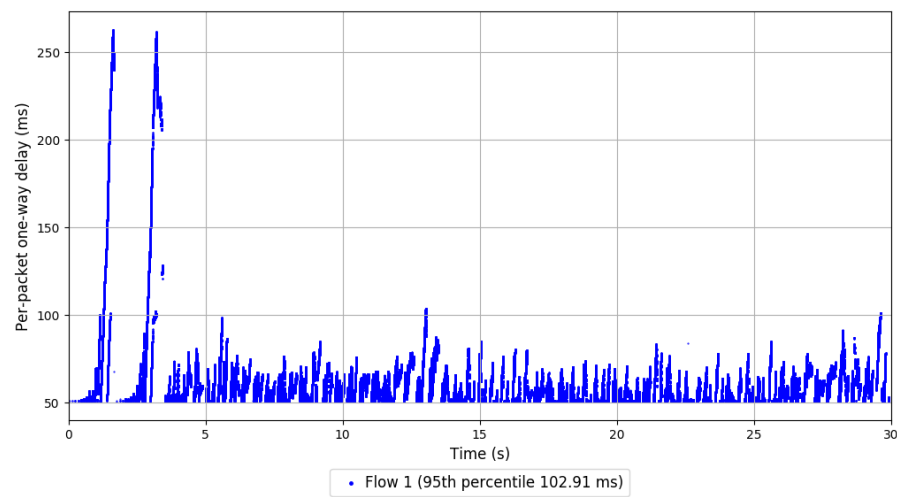
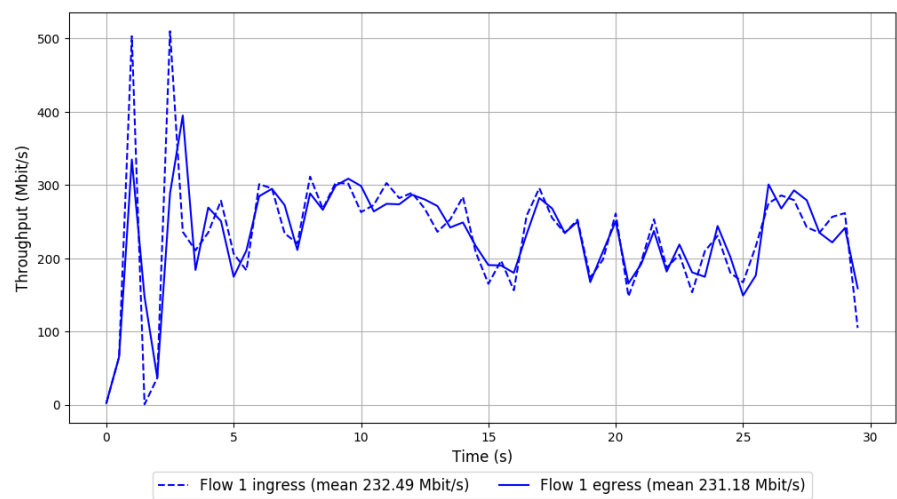
-- Flow 1:

Average throughput: 231.18 Mbit/s

95th percentile per-packet one-way delay: 102.912 ms

Loss rate: 0.56%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-24 14:40:32

End at: 2018-04-24 14:41:02

Below is generated by plot.py at 2018-04-24 18:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.85 Mbit/s

95th percentile per-packet one-way delay: 134.619 ms

Loss rate: 0.00%

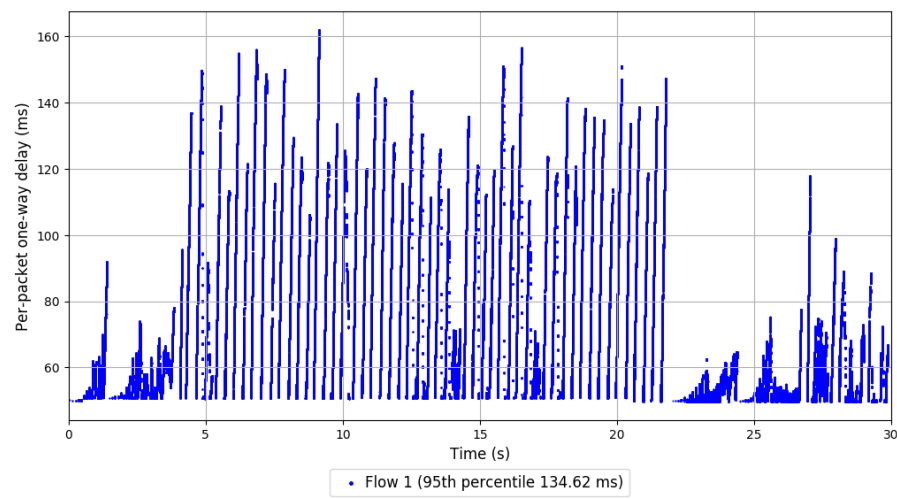
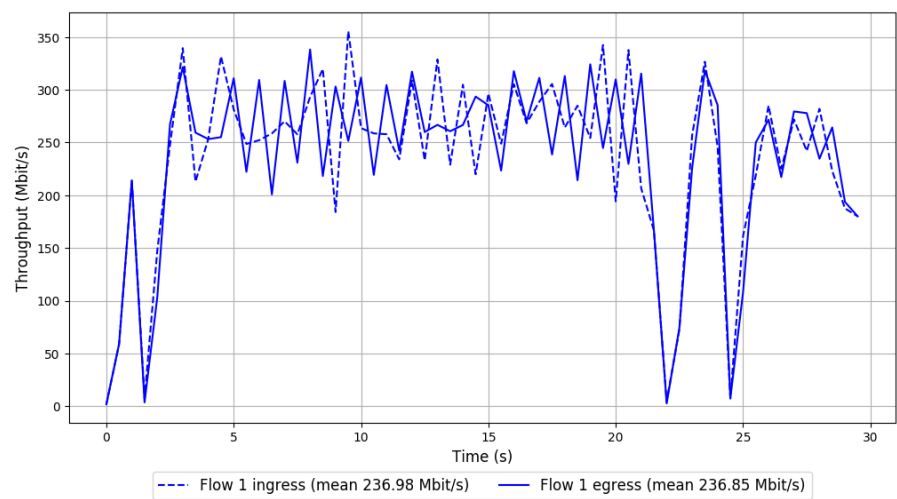
-- Flow 1:

Average throughput: 236.85 Mbit/s

95th percentile per-packet one-way delay: 134.619 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-24 14:53:35

End at: 2018-04-24 14:54:05

Below is generated by plot.py at 2018-04-24 18:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.57 Mbit/s

95th percentile per-packet one-way delay: 125.592 ms

Loss rate: 0.13%

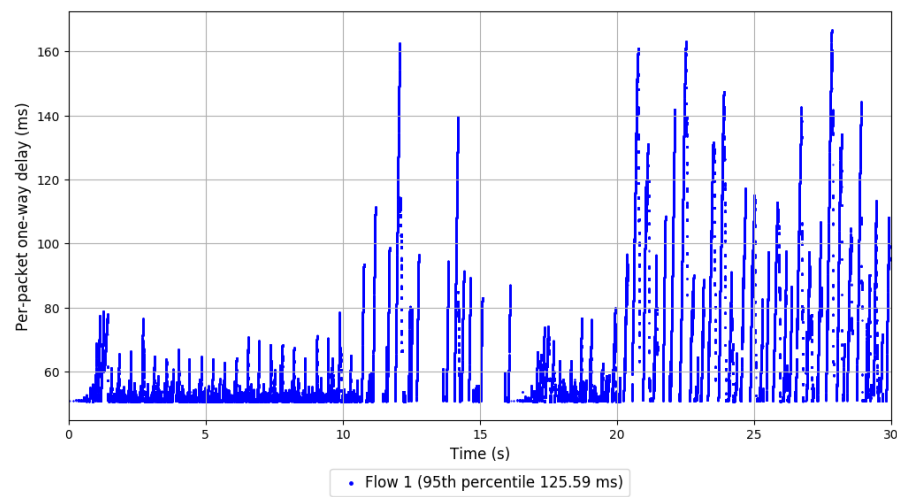
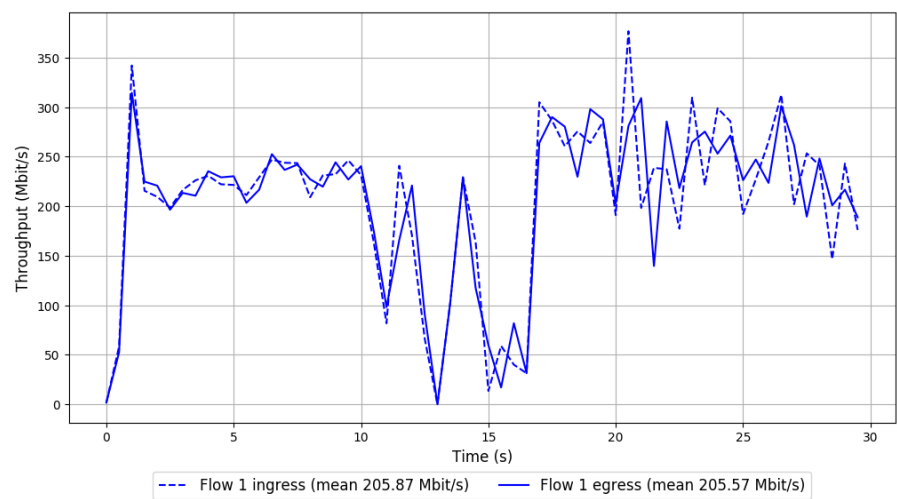
-- Flow 1:

Average throughput: 205.57 Mbit/s

95th percentile per-packet one-way delay: 125.592 ms

Loss rate: 0.13%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-24 15:06:33

End at: 2018-04-24 15:07:03

Below is generated by plot.py at 2018-04-24 18:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.44 Mbit/s

95th percentile per-packet one-way delay: 84.756 ms

Loss rate: 0.00%

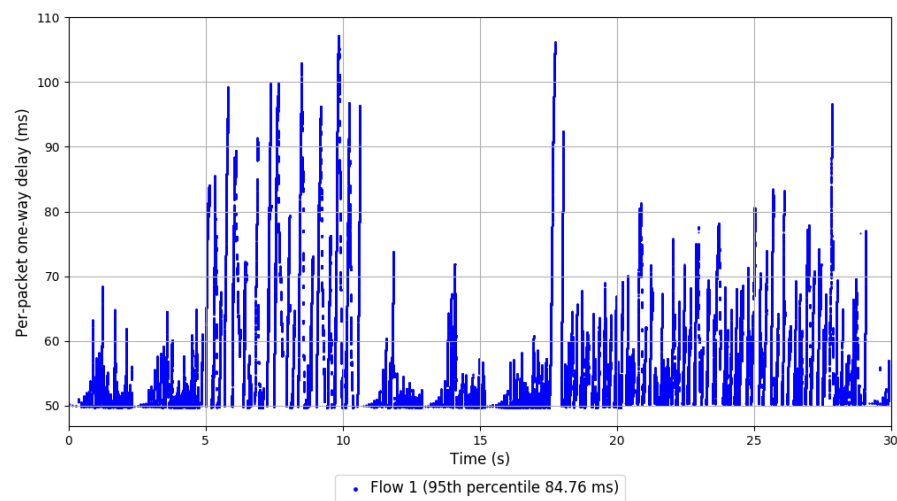
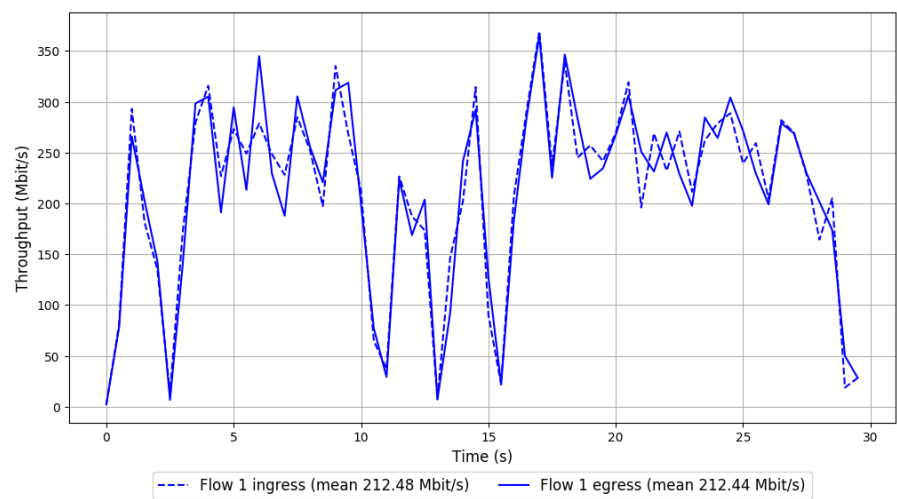
-- Flow 1:

Average throughput: 212.44 Mbit/s

95th percentile per-packet one-way delay: 84.756 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-24 15:19:27

End at: 2018-04-24 15:19:57

Below is generated by plot.py at 2018-04-24 18:07:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.02 Mbit/s

95th percentile per-packet one-way delay: 192.206 ms

Loss rate: 0.06%

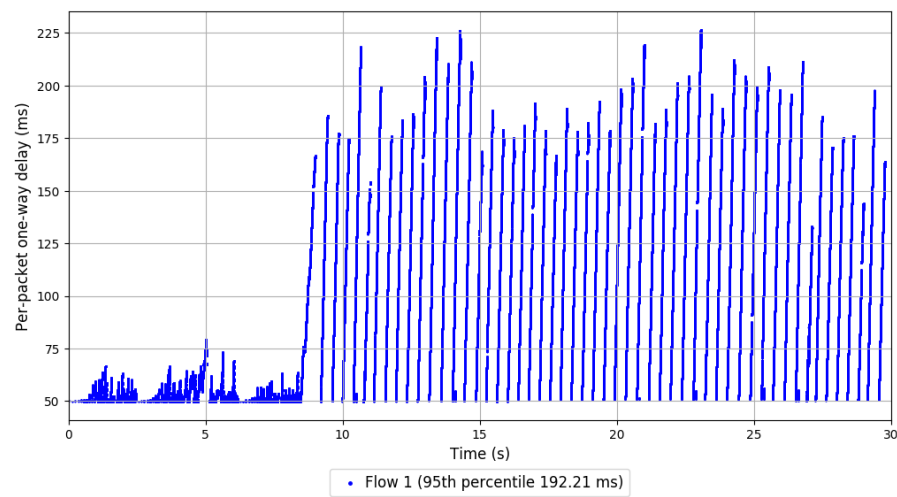
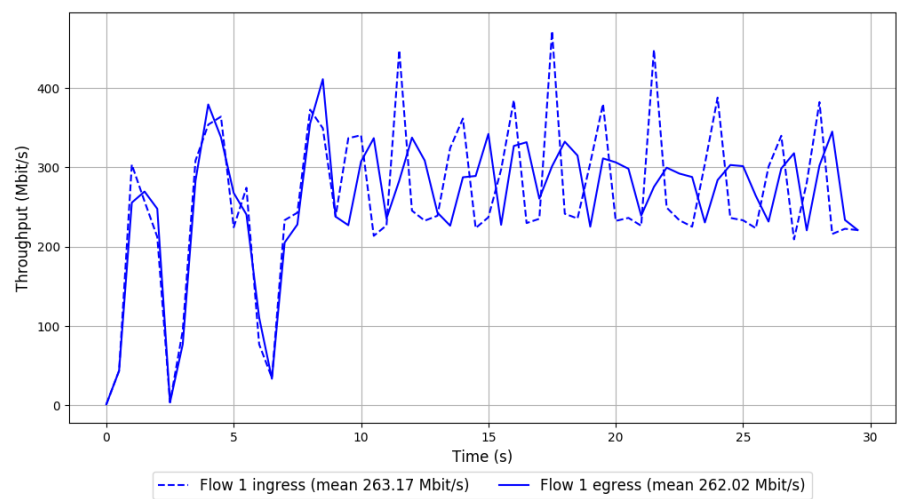
-- Flow 1:

Average throughput: 262.02 Mbit/s

95th percentile per-packet one-way delay: 192.206 ms

Loss rate: 0.06%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 15:32:22

End at: 2018-04-24 15:32:52

Below is generated by plot.py at 2018-04-24 18:07:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.03 Mbit/s

95th percentile per-packet one-way delay: 84.916 ms

Loss rate: 0.08%

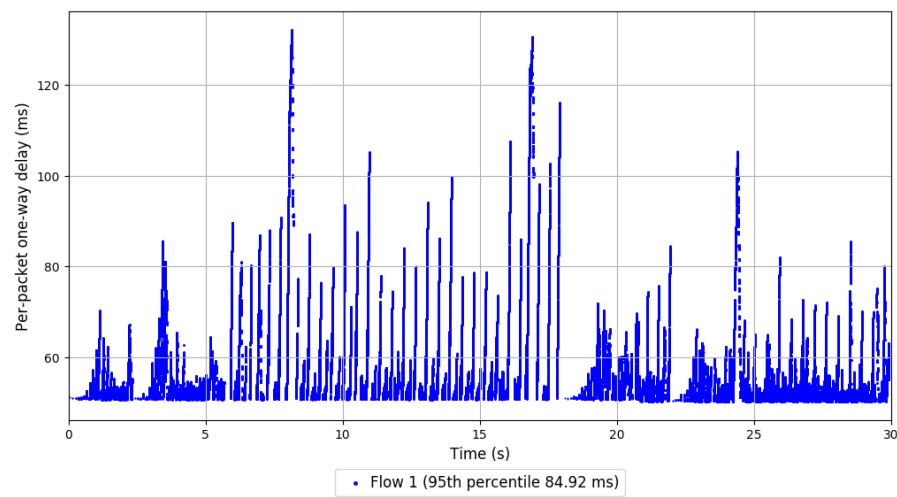
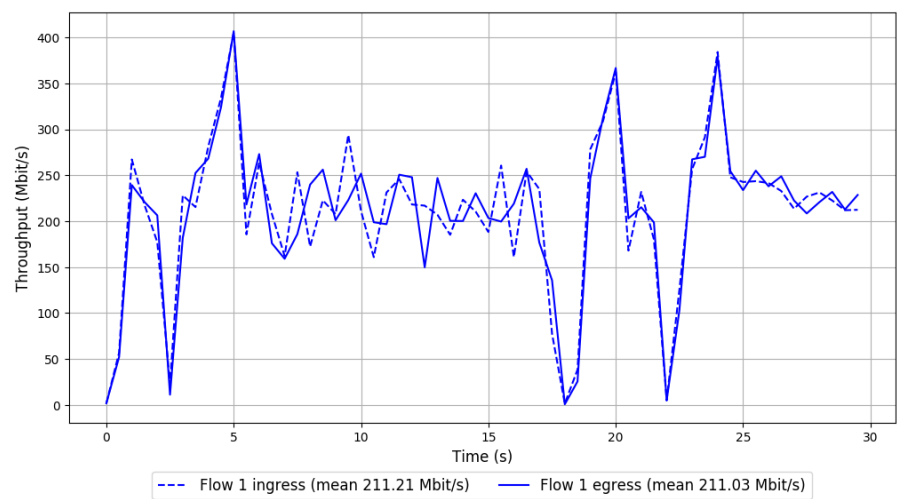
-- Flow 1:

Average throughput: 211.03 Mbit/s

95th percentile per-packet one-way delay: 84.916 ms

Loss rate: 0.08%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

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

End at: 2018-04-24 15:45:54

Below is generated by plot.py at 2018-04-24 18:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.33 Mbit/s

95th percentile per-packet one-way delay: 87.222 ms

Loss rate: 0.00%

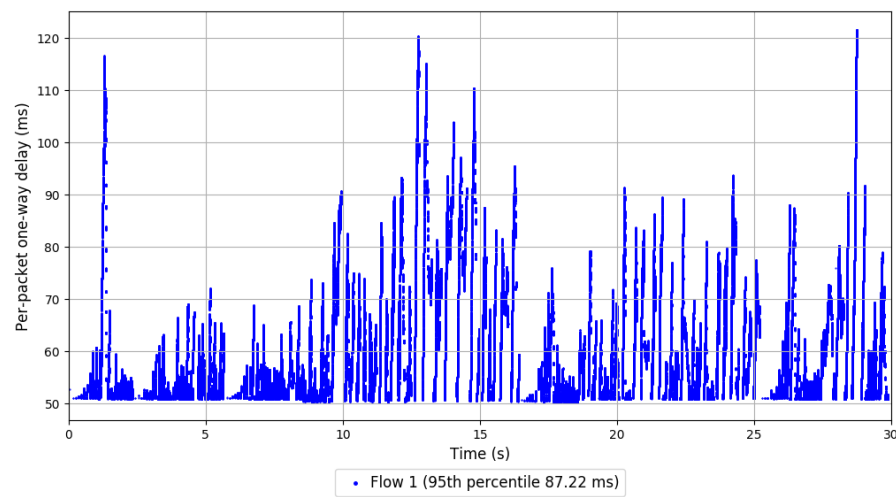
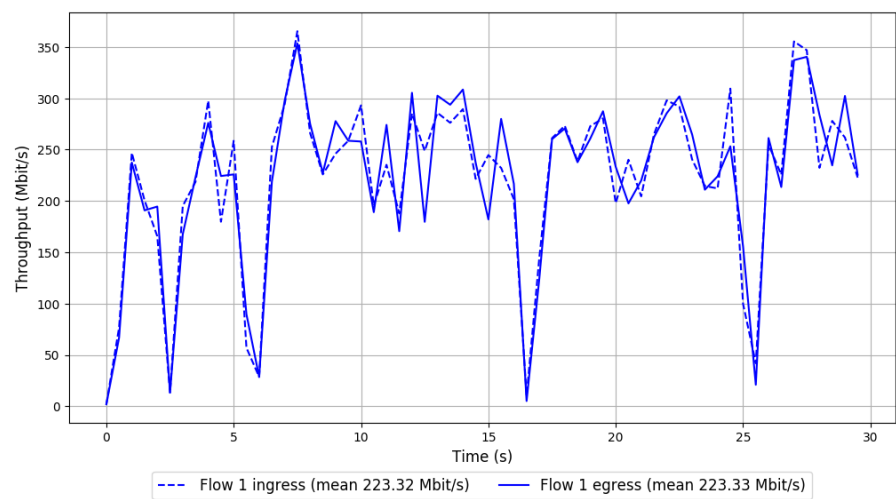
-- Flow 1:

Average throughput: 223.33 Mbit/s

95th percentile per-packet one-way delay: 87.222 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 15:58:17

End at: 2018-04-24 15:58:47

Below is generated by plot.py at 2018-04-24 18:09:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.52 Mbit/s

95th percentile per-packet one-way delay: 91.663 ms

Loss rate: 0.00%

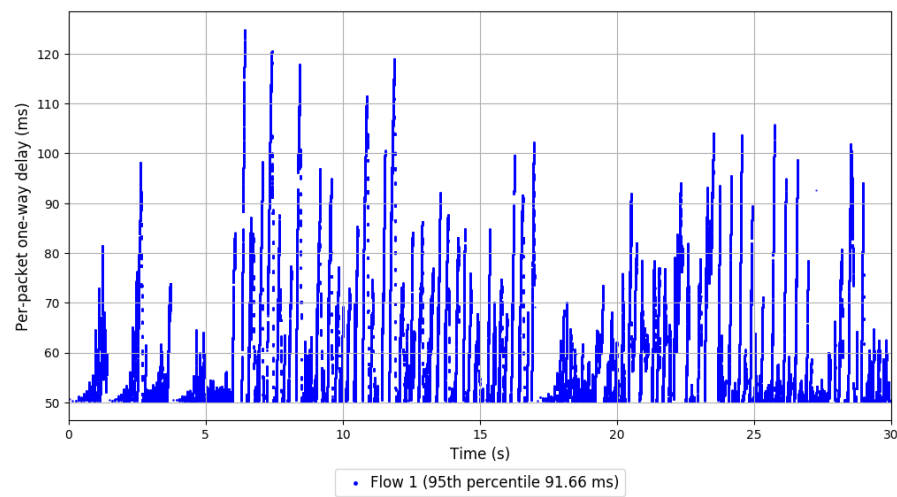
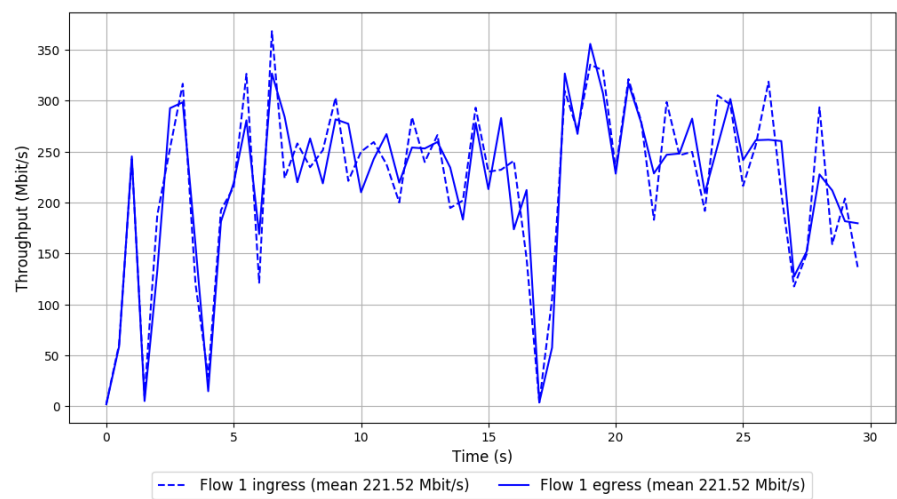
-- Flow 1:

Average throughput: 221.52 Mbit/s

95th percentile per-packet one-way delay: 91.663 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-24 14:02:15

End at: 2018-04-24 14:02:45

Below is generated by plot.py at 2018-04-24 18:09:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 50.967 ms

Loss rate: 0.00%

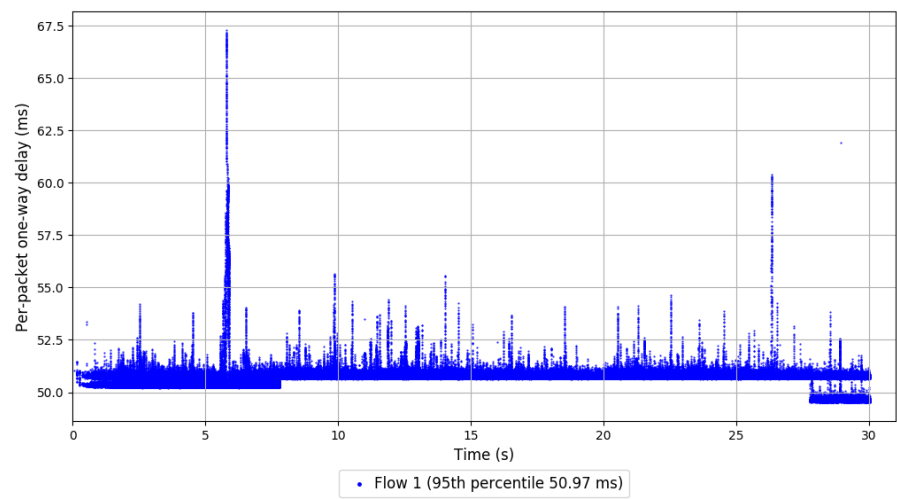
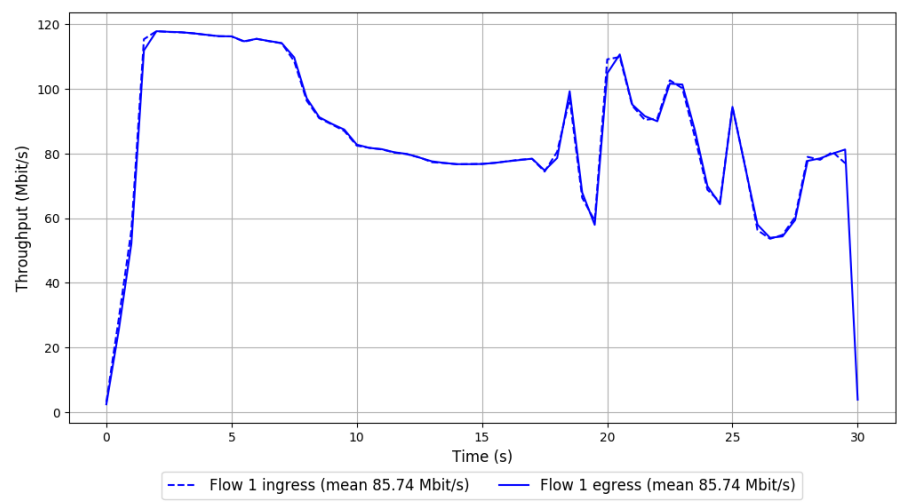
-- Flow 1:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 50.967 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-24 14:15:22

End at: 2018-04-24 14:15:52

Below is generated by plot.py at 2018-04-24 18:09:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.65 Mbit/s

95th percentile per-packet one-way delay: 50.905 ms

Loss rate: 0.00%

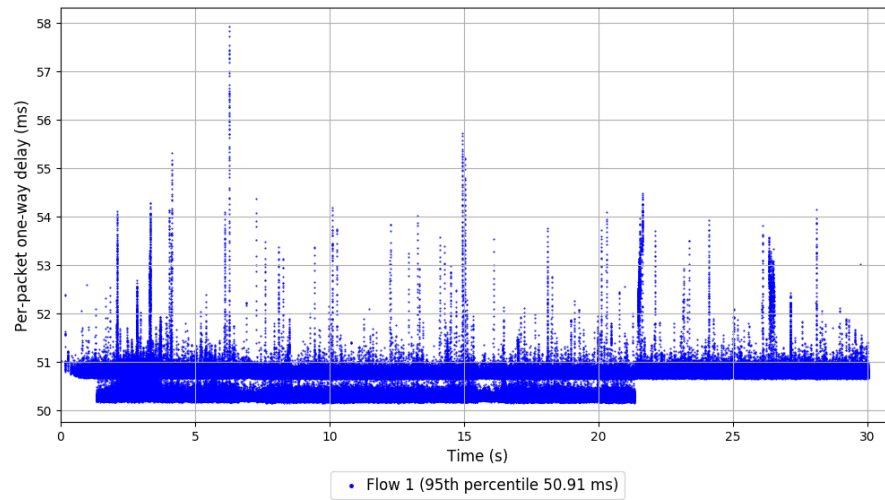
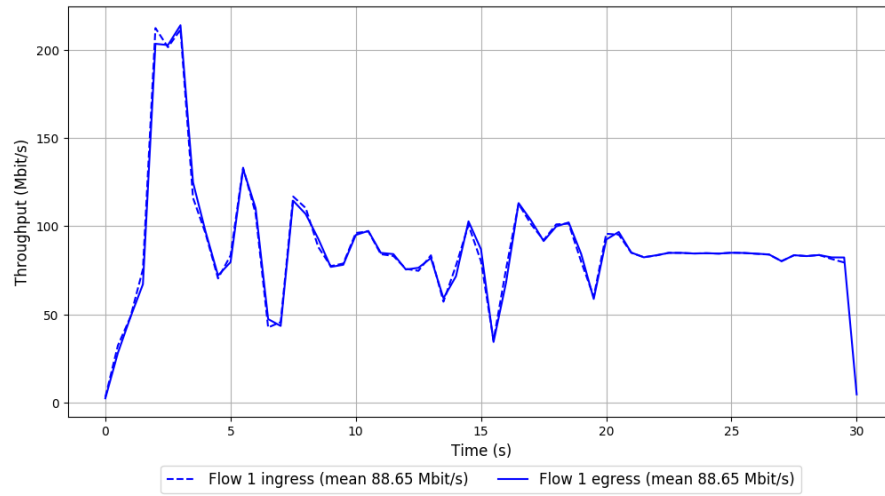
-- Flow 1:

Average throughput: 88.65 Mbit/s

95th percentile per-packet one-way delay: 50.905 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-24 14:28:30

End at: 2018-04-24 14:29:00

Below is generated by plot.py at 2018-04-24 18:09:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.67 Mbit/s

95th percentile per-packet one-way delay: 50.891 ms

Loss rate: 0.00%

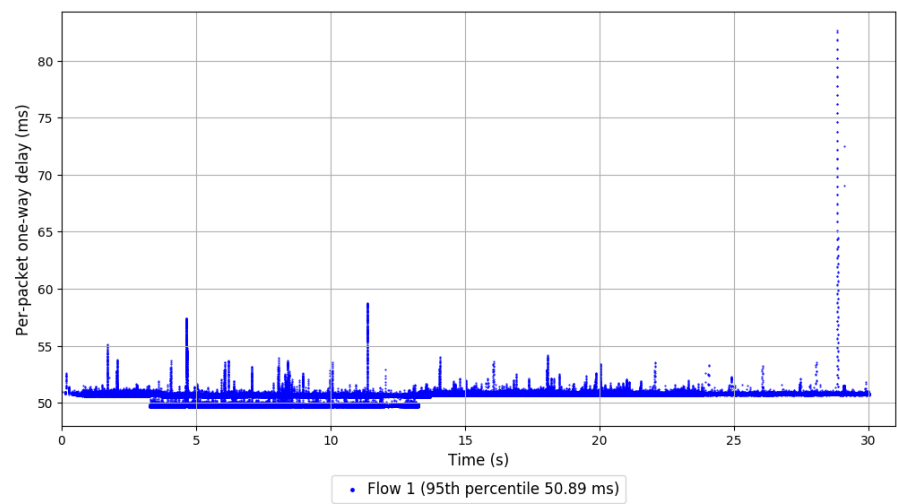
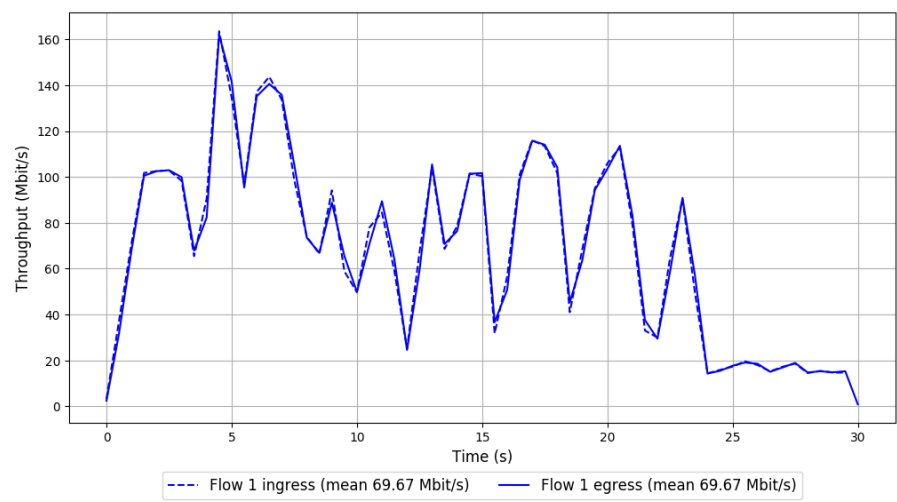
-- Flow 1:

Average throughput: 69.67 Mbit/s

95th percentile per-packet one-way delay: 50.891 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

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

End at: 2018-04-24 14:41:54

Below is generated by plot.py at 2018-04-24 18:09:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.05 Mbit/s

95th percentile per-packet one-way delay: 50.807 ms

Loss rate: 0.00%

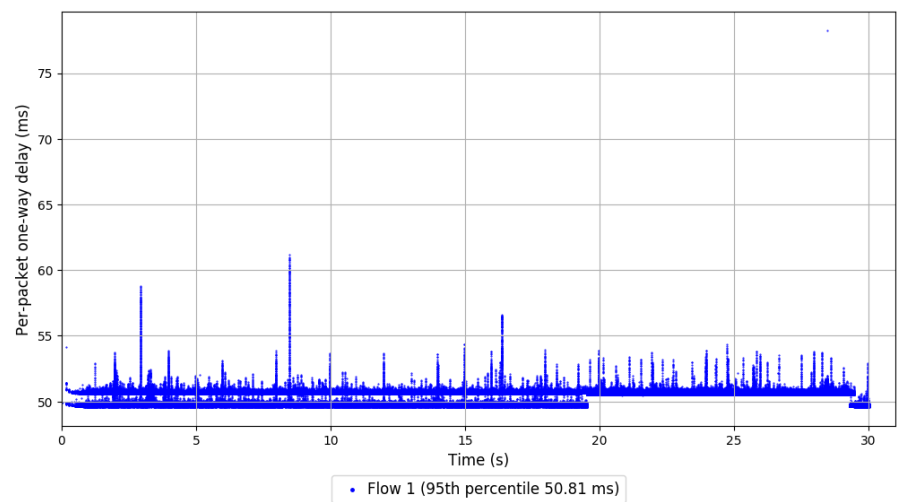
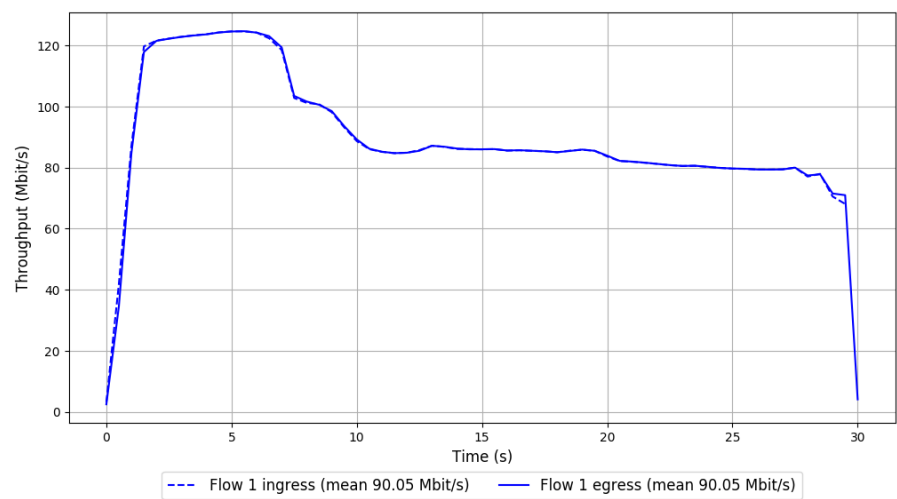
-- Flow 1:

Average throughput: 90.05 Mbit/s

95th percentile per-packet one-way delay: 50.807 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-24 14:54:25

End at: 2018-04-24 14:54:55

Below is generated by plot.py at 2018-04-24 18:10:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 50.143 ms

Loss rate: 0.00%

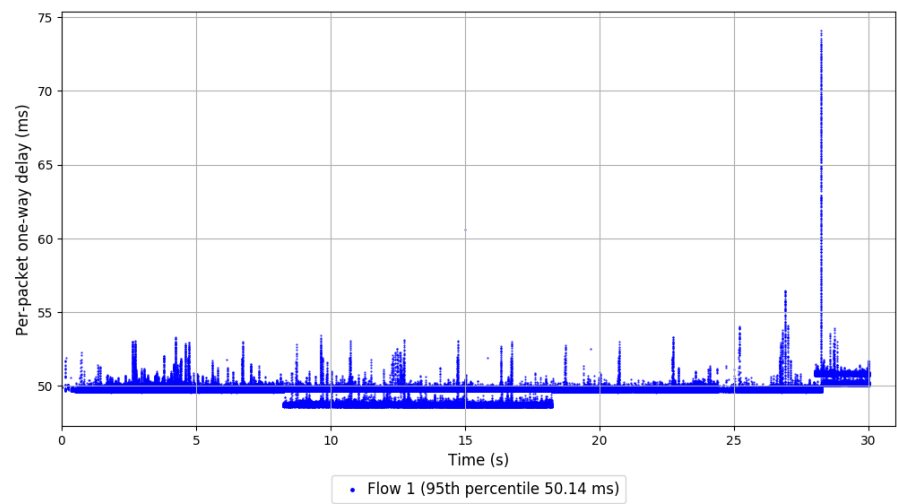
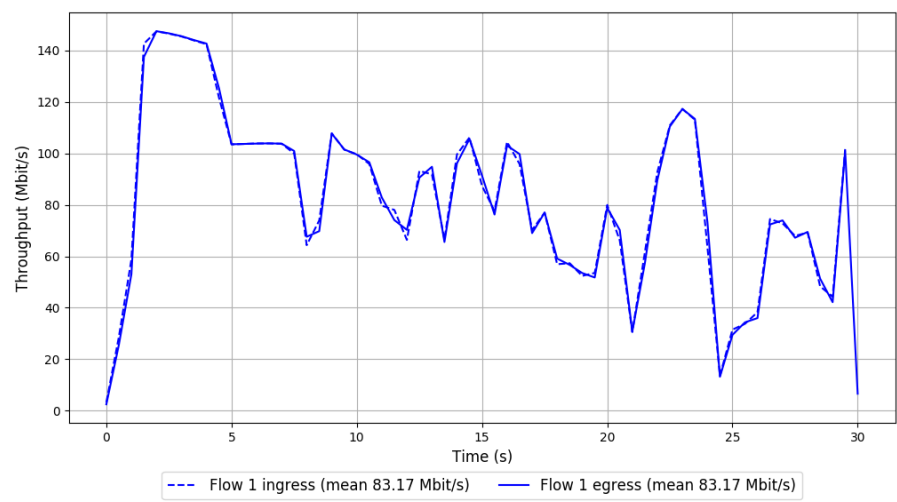
-- Flow 1:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 50.143 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-24 15:07:23

End at: 2018-04-24 15:07:53

Below is generated by plot.py at 2018-04-24 18:10:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.62 Mbit/s

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

Loss rate: 0.00%

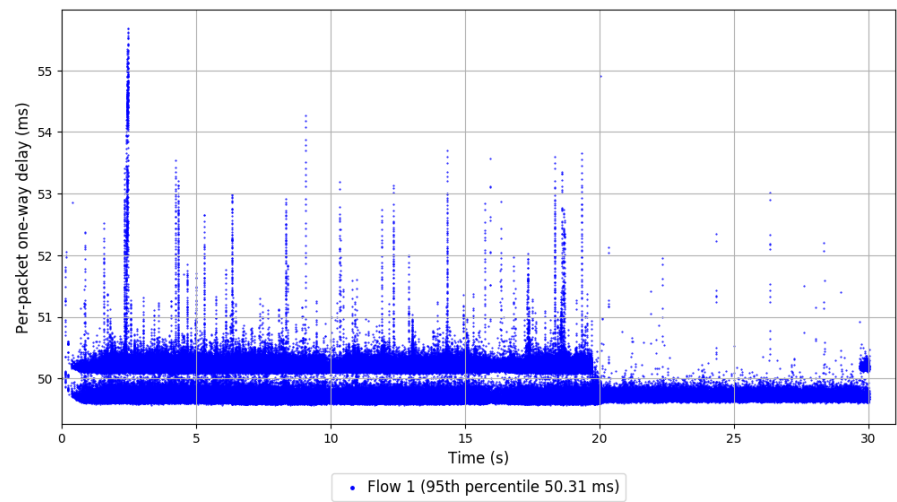
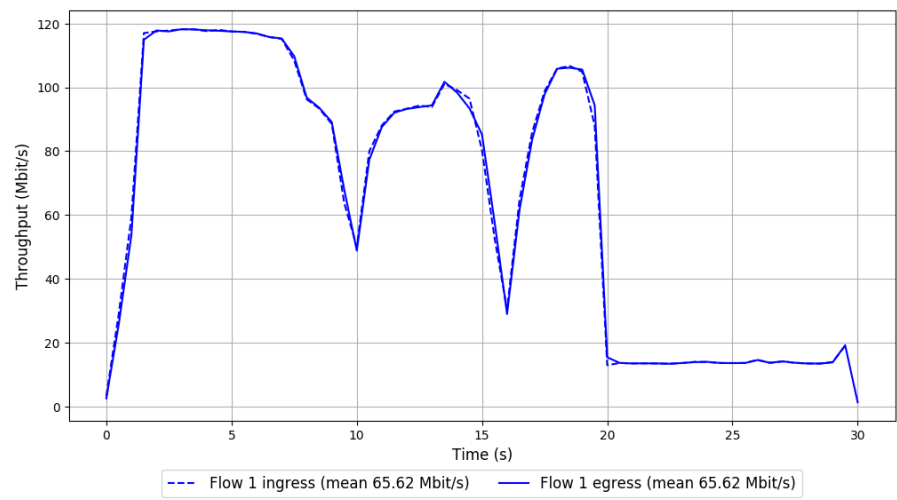
-- Flow 1:

Average throughput: 65.62 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-24 15:20:20

End at: 2018-04-24 15:20:50

Below is generated by plot.py at 2018-04-24 18:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 50.865 ms

Loss rate: 0.00%

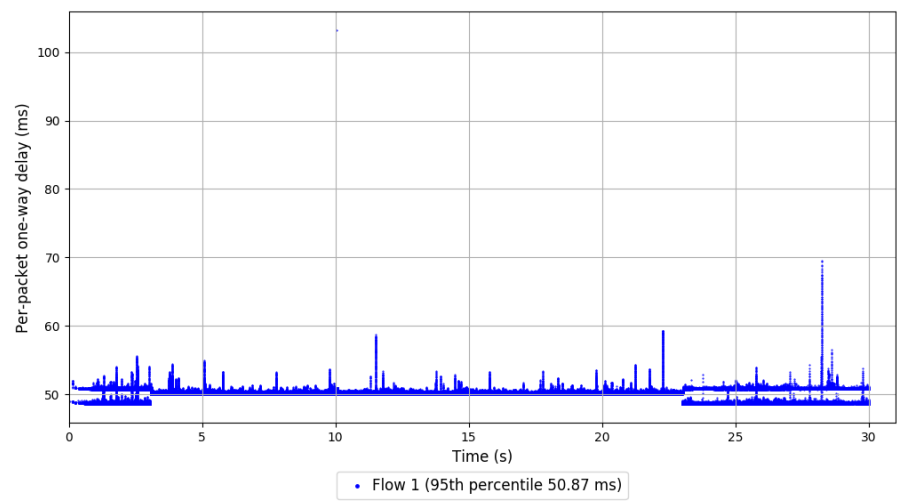
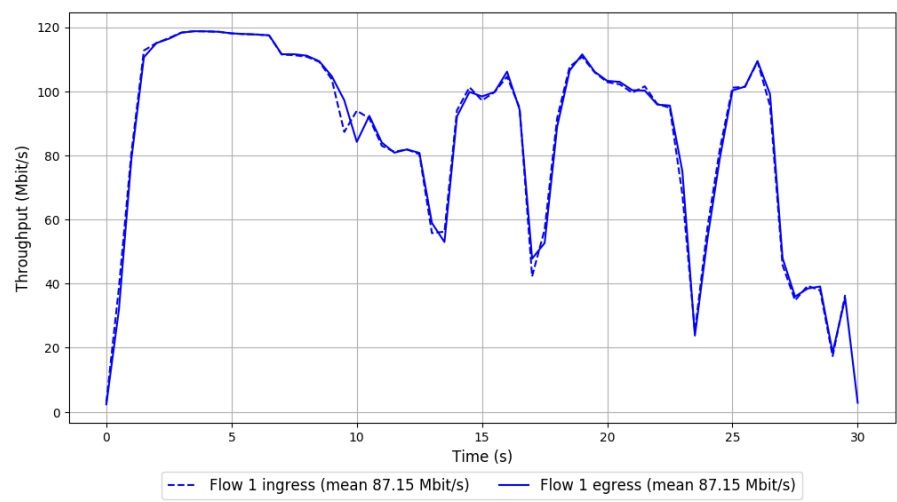
-- Flow 1:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 50.865 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 15:33:12

End at: 2018-04-24 15:33:42

Below is generated by plot.py at 2018-04-24 18:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.81 Mbit/s

95th percentile per-packet one-way delay: 50.934 ms

Loss rate: 0.00%

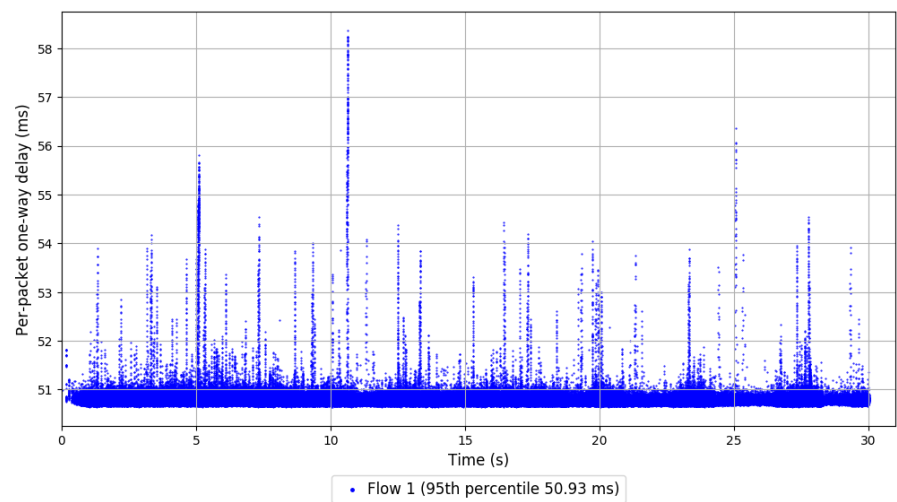
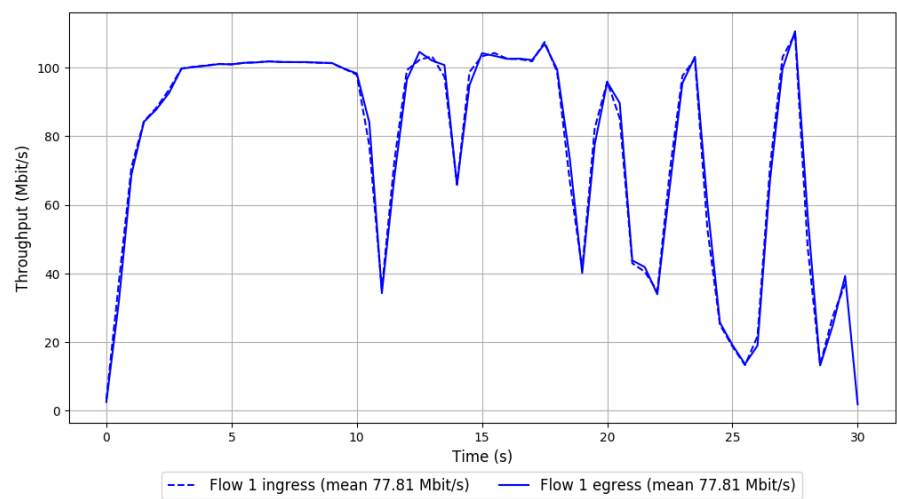
-- Flow 1:

Average throughput: 77.81 Mbit/s

95th percentile per-packet one-way delay: 50.934 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 15:46:16

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

Below is generated by plot.py at 2018-04-24 18:11:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.60 Mbit/s

95th percentile per-packet one-way delay: 51.092 ms

Loss rate: 0.00%

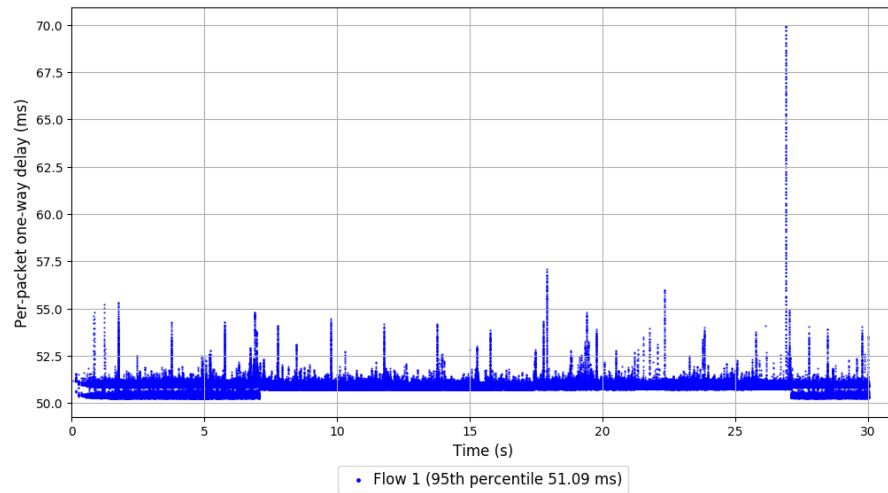
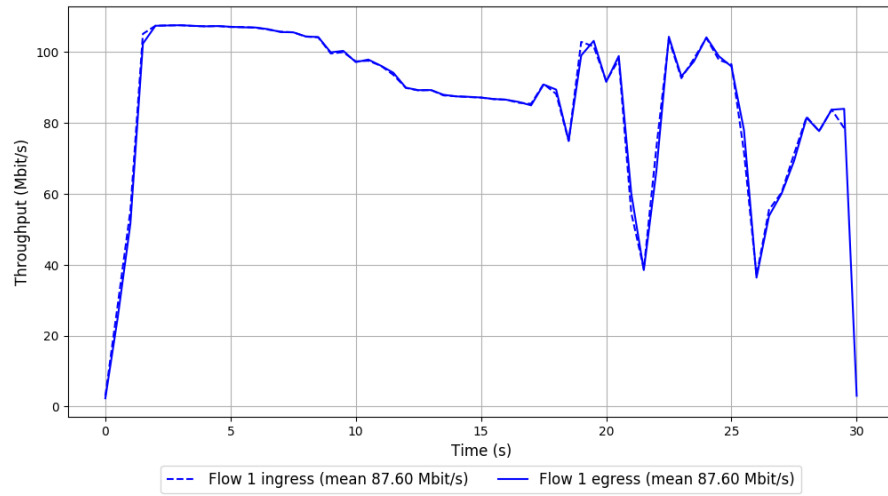
-- Flow 1:

Average throughput: 87.60 Mbit/s

95th percentile per-packet one-way delay: 51.092 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 15:59:09

End at: 2018-04-24 15:59:39

Below is generated by plot.py at 2018-04-24 18:11:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.03 Mbit/s

95th percentile per-packet one-way delay: 50.401 ms

Loss rate: 0.00%

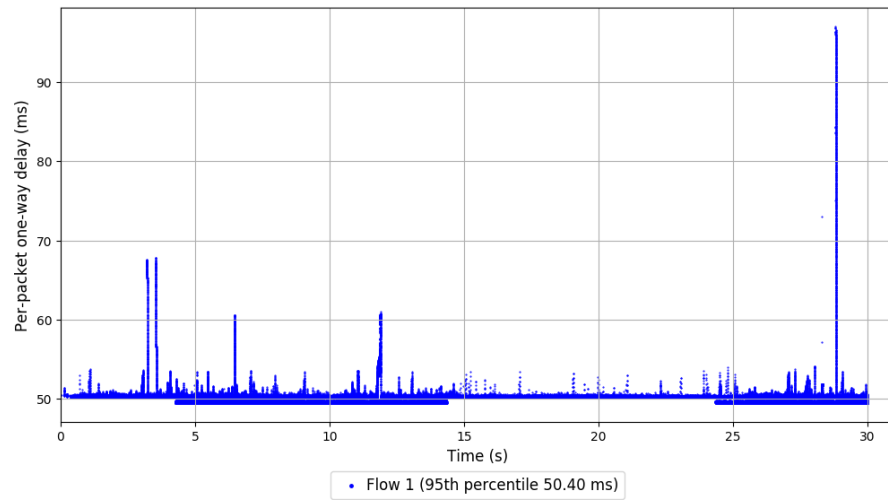
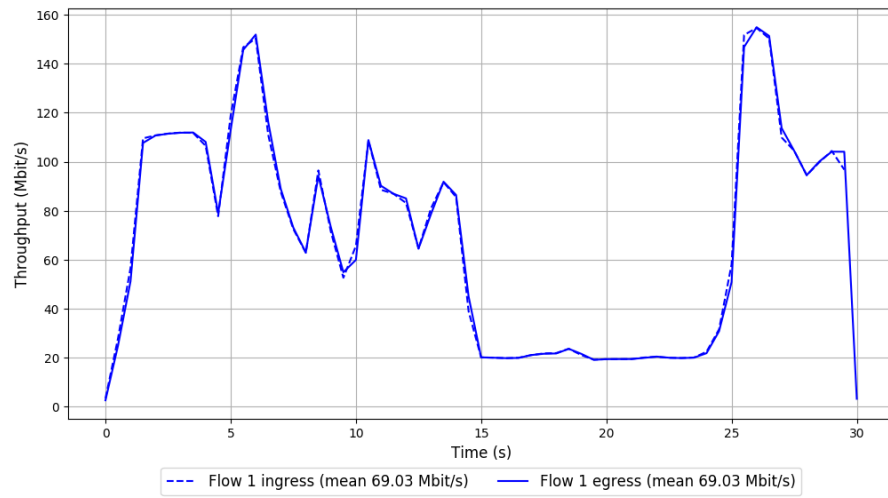
-- Flow 1:

Average throughput: 69.03 Mbit/s

95th percentile per-packet one-way delay: 50.401 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-04-24 14:10:19

End at: 2018-04-24 14:10:49

Below is generated by plot.py at 2018-04-24 18:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 837.14 Mbit/s

95th percentile per-packet one-way delay: 248.694 ms

Loss rate: 0.72%

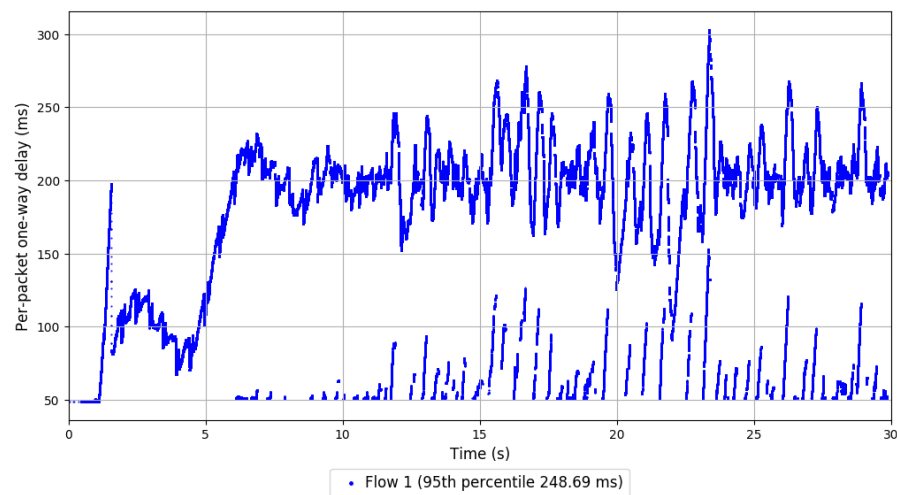
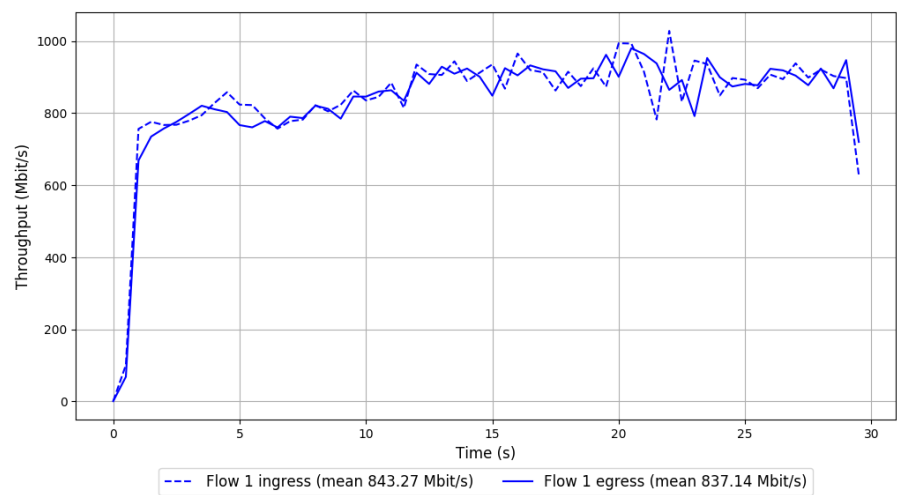
-- Flow 1:

Average throughput: 837.14 Mbit/s

95th percentile per-packet one-way delay: 248.694 ms

Loss rate: 0.72%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-24 14:23:25

End at: 2018-04-24 14:23:55

Below is generated by plot.py at 2018-04-24 18:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 814.30 Mbit/s

95th percentile per-packet one-way delay: 243.286 ms

Loss rate: 0.57%

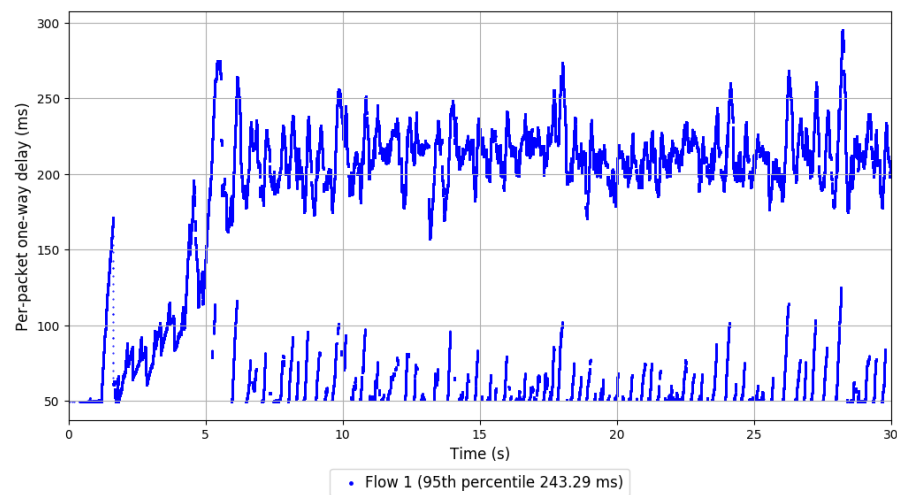
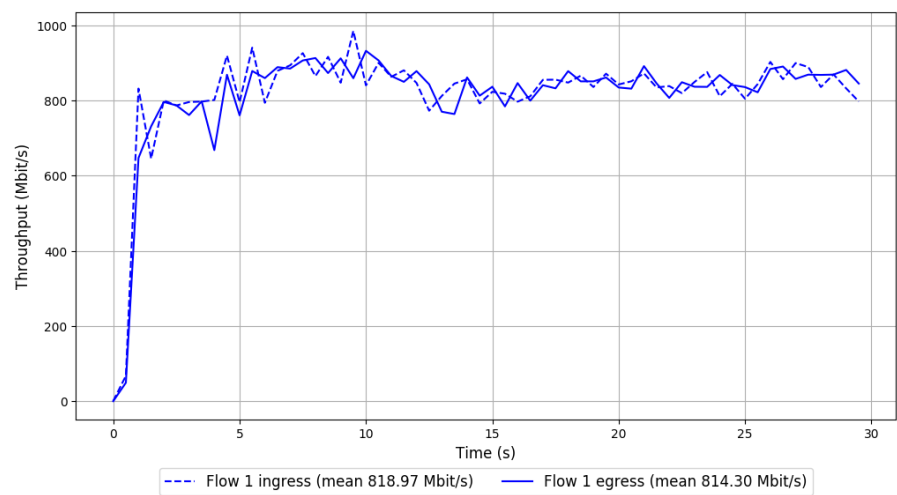
-- Flow 1:

Average throughput: 814.30 Mbit/s

95th percentile per-packet one-way delay: 243.286 ms

Loss rate: 0.57%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-24 14:36:29

End at: 2018-04-24 14:36:59

Below is generated by plot.py at 2018-04-24 18:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 816.98 Mbit/s

95th percentile per-packet one-way delay: 249.366 ms

Loss rate: 0.64%

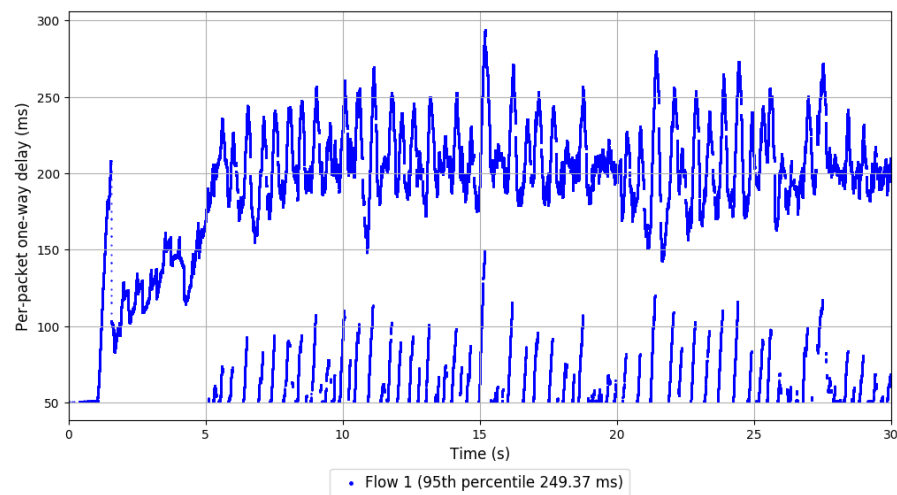
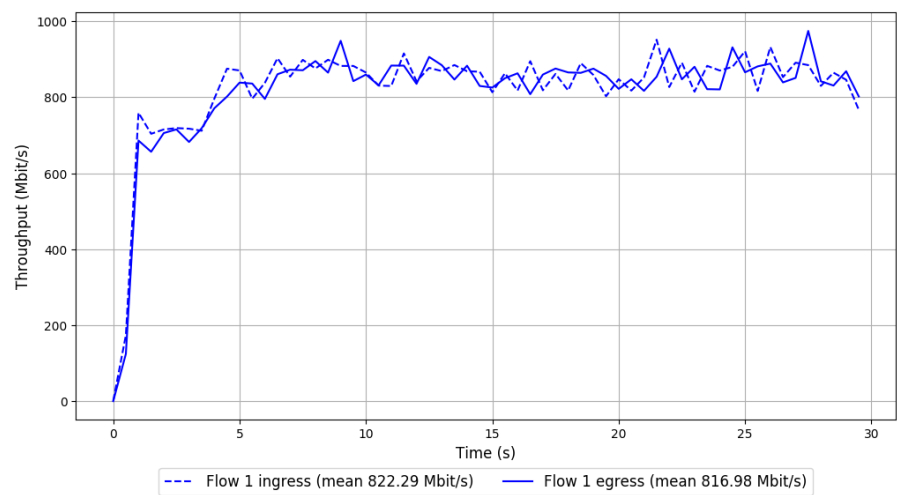
-- Flow 1:

Average throughput: 816.98 Mbit/s

95th percentile per-packet one-way delay: 249.366 ms

Loss rate: 0.64%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-24 14:49:24

End at: 2018-04-24 14:49:54

Below is generated by plot.py at 2018-04-24 18:25:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 818.55 Mbit/s

95th percentile per-packet one-way delay: 258.811 ms

Loss rate: 1.20%

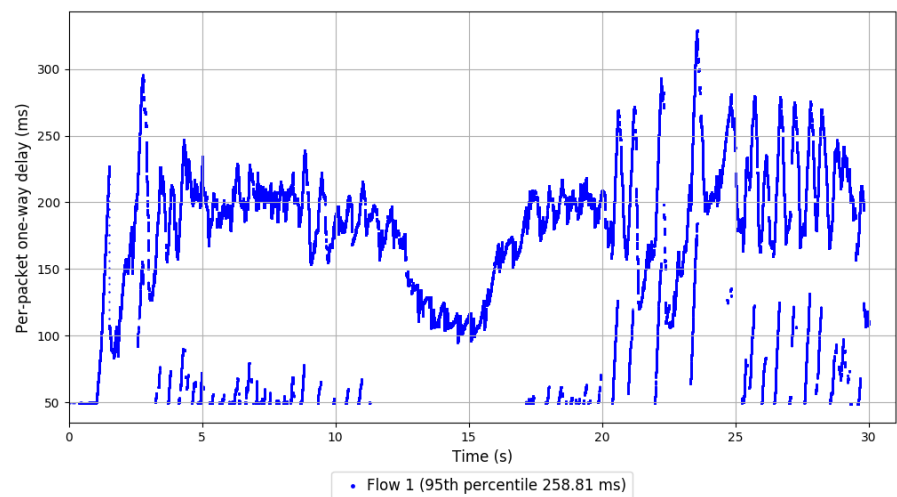
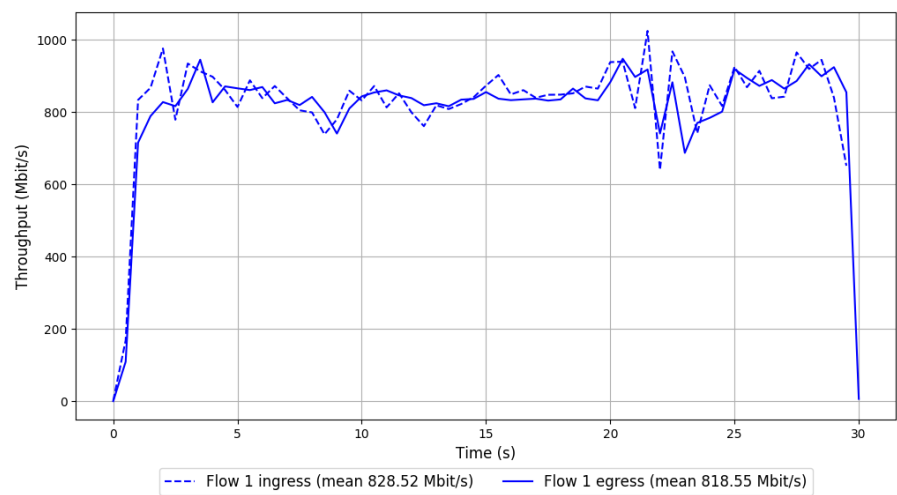
-- Flow 1:

Average throughput: 818.55 Mbit/s

95th percentile per-packet one-way delay: 258.811 ms

Loss rate: 1.20%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-24 15:02:27

End at: 2018-04-24 15:02:57

Below is generated by plot.py at 2018-04-24 18:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 817.90 Mbit/s

95th percentile per-packet one-way delay: 194.815 ms

Loss rate: 0.52%

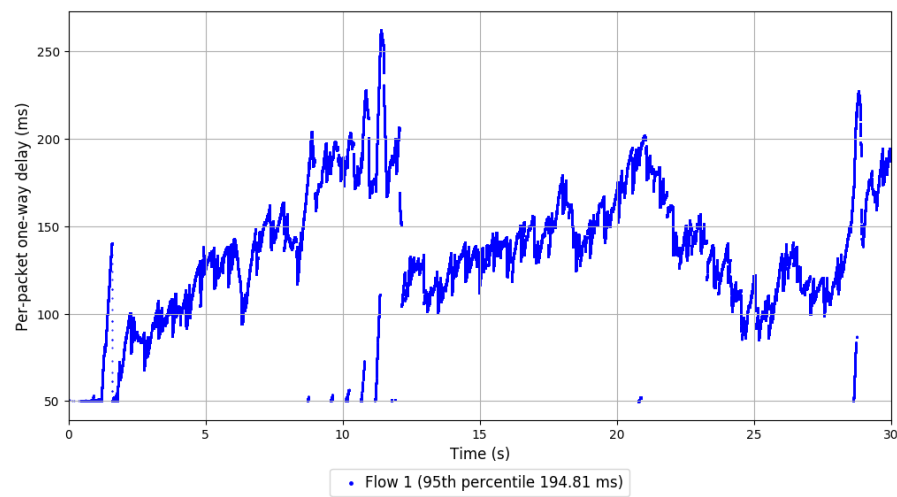
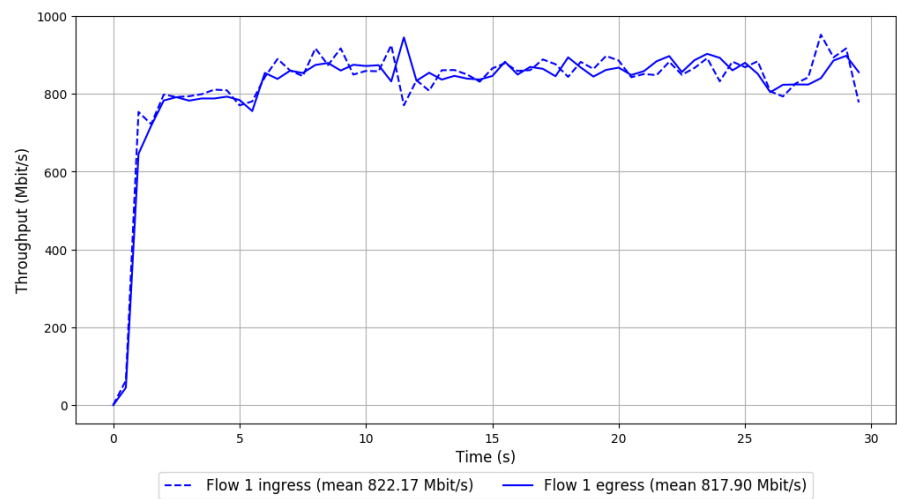
-- Flow 1:

Average throughput: 817.90 Mbit/s

95th percentile per-packet one-way delay: 194.815 ms

Loss rate: 0.52%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 15:15:22

End at: 2018-04-24 15:15:52

Below is generated by plot.py at 2018-04-24 18:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 709.95 Mbit/s

95th percentile per-packet one-way delay: 248.773 ms

Loss rate: 1.17%

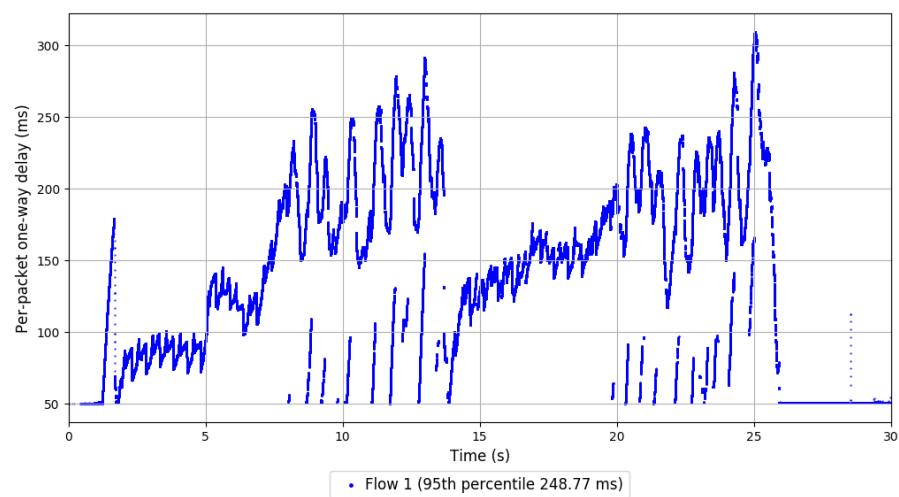
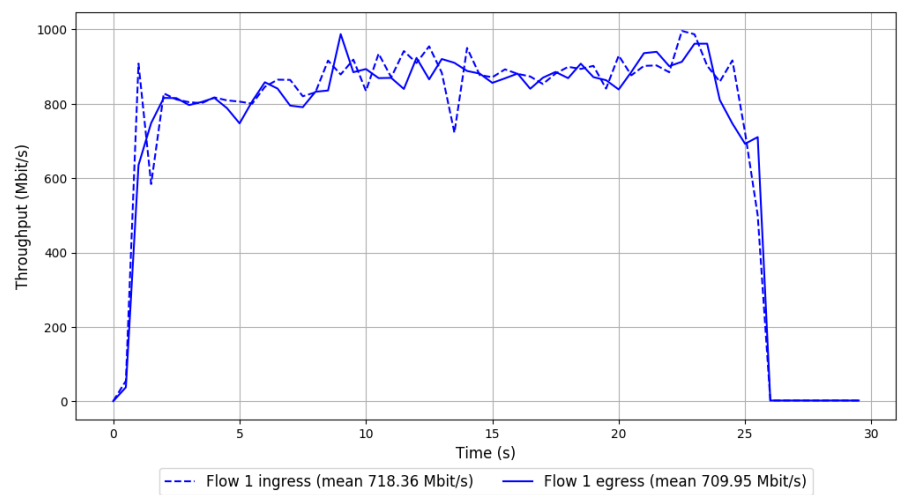
-- Flow 1:

Average throughput: 709.95 Mbit/s

95th percentile per-packet one-way delay: 248.773 ms

Loss rate: 1.17%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-24 15:28:28

End at: 2018-04-24 15:28:58

Below is generated by plot.py at 2018-04-24 18:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 800.91 Mbit/s

95th percentile per-packet one-way delay: 251.071 ms

Loss rate: 0.69%

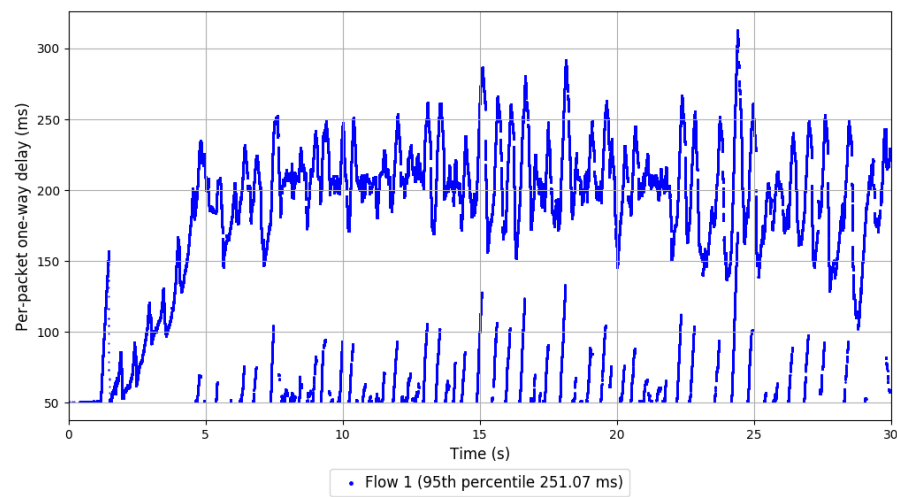
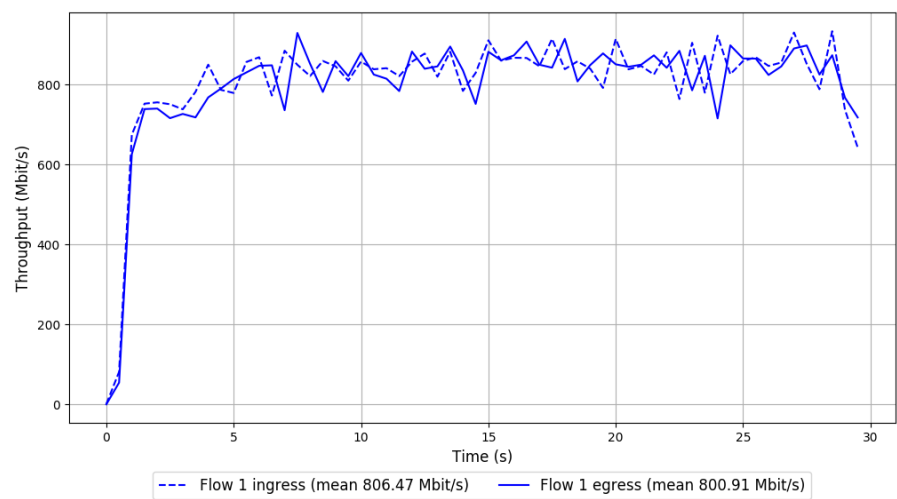
-- Flow 1:

Average throughput: 800.91 Mbit/s

95th percentile per-packet one-way delay: 251.071 ms

Loss rate: 0.69%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 15:41:13

End at: 2018-04-24 15:41:43

Below is generated by plot.py at 2018-04-24 18:25:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 808.45 Mbit/s

95th percentile per-packet one-way delay: 259.690 ms

Loss rate: 0.93%

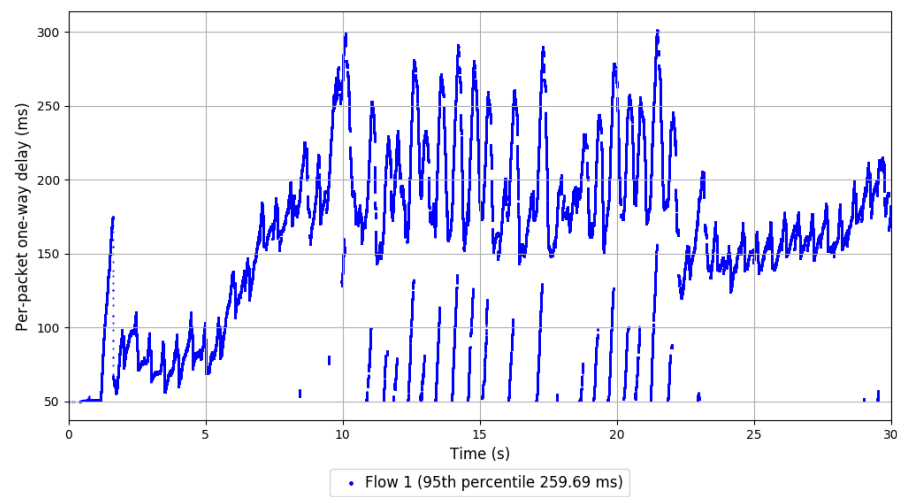
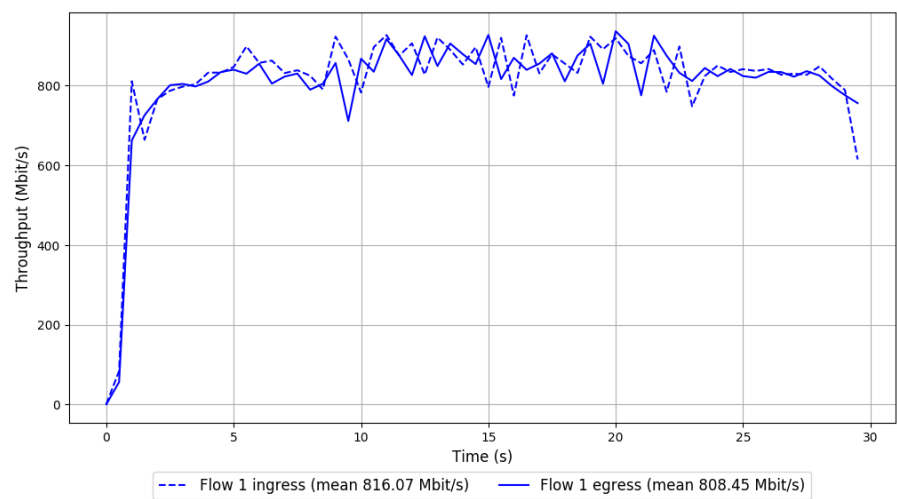
-- Flow 1:

Average throughput: 808.45 Mbit/s

95th percentile per-packet one-way delay: 259.690 ms

Loss rate: 0.93%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 15:54:11

End at: 2018-04-24 15:54:41

Below is generated by plot.py at 2018-04-24 18:37:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 774.66 Mbit/s

95th percentile per-packet one-way delay: 201.636 ms

Loss rate: 0.56%

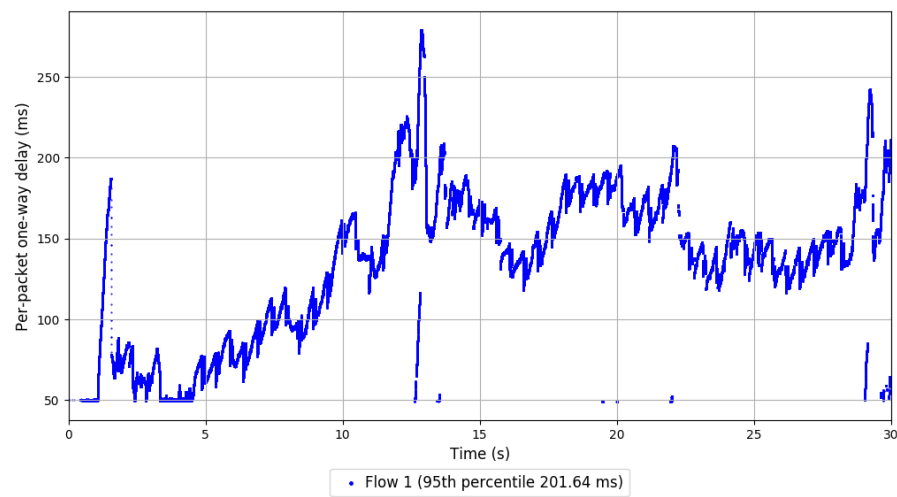
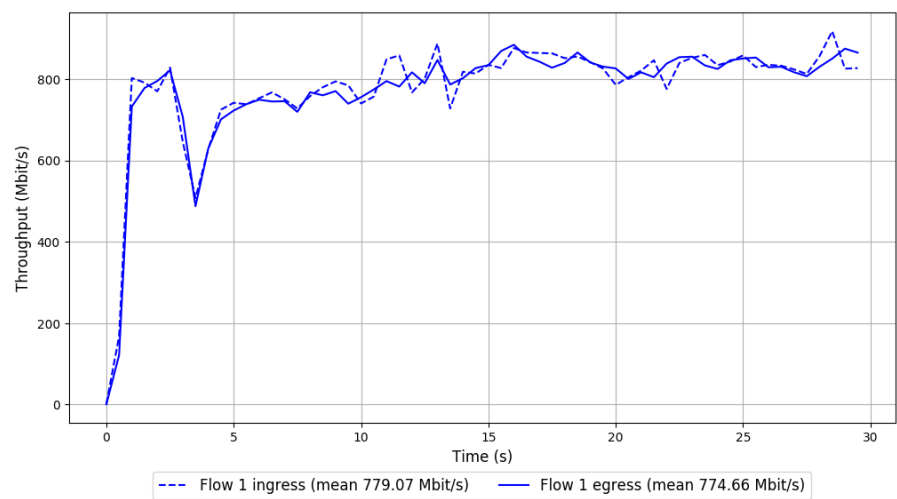
-- Flow 1:

Average throughput: 774.66 Mbit/s

95th percentile per-packet one-way delay: 201.636 ms

Loss rate: 0.56%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 16:07:10

End at: 2018-04-24 16:07:40

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 824.58 Mbit/s

95th percentile per-packet one-way delay: 260.983 ms

Loss rate: 2.65%

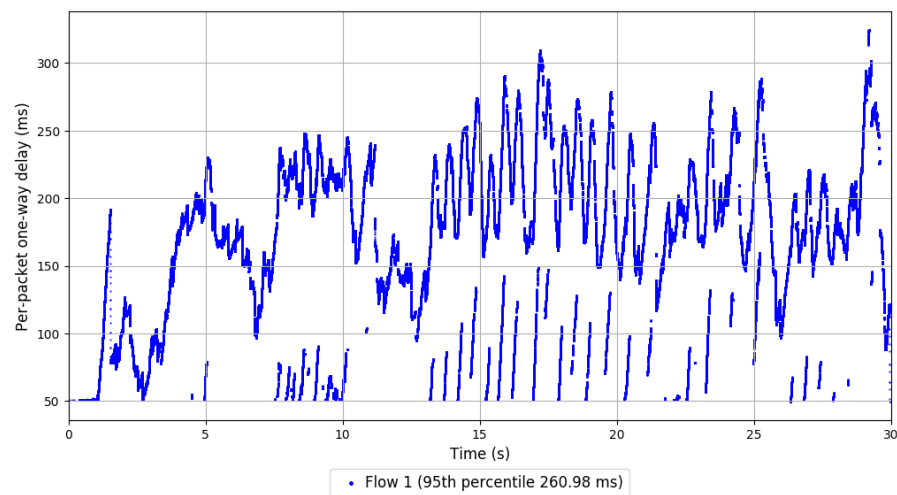
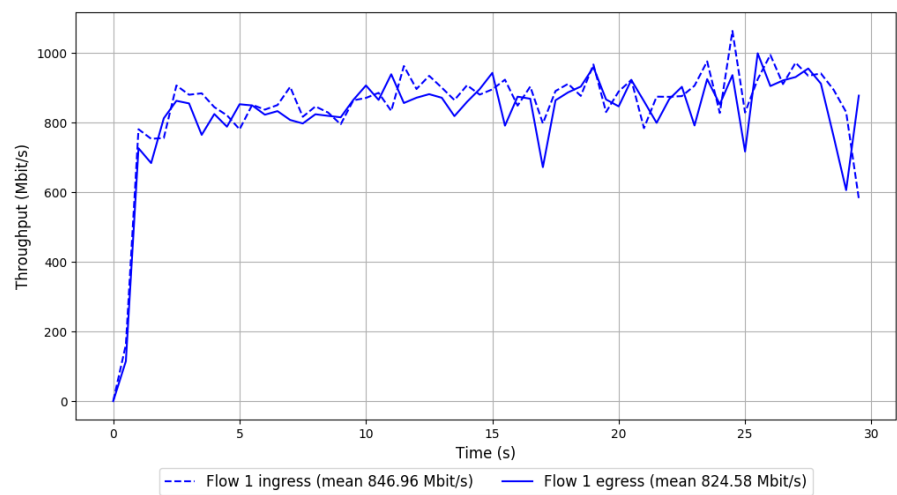
-- Flow 1:

Average throughput: 824.58 Mbit/s

95th percentile per-packet one-way delay: 260.983 ms

Loss rate: 2.65%

Run 10: Report of FillP — Data Link

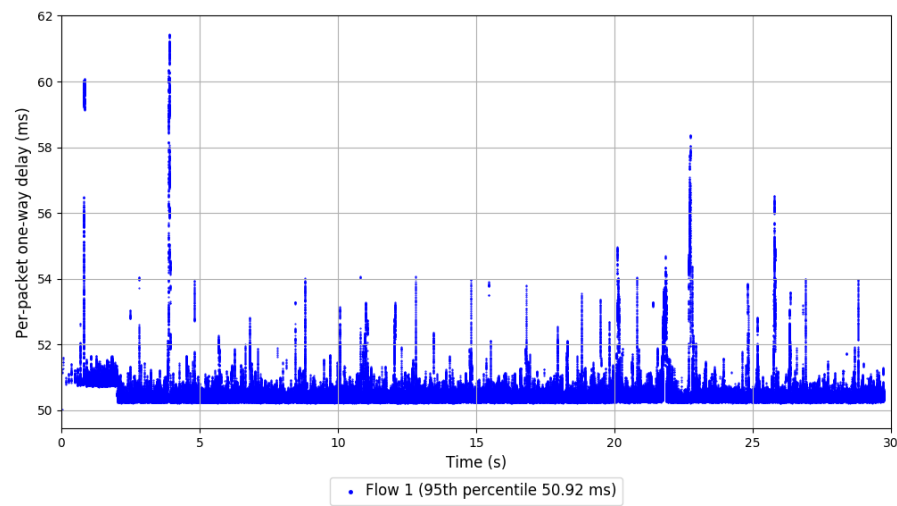
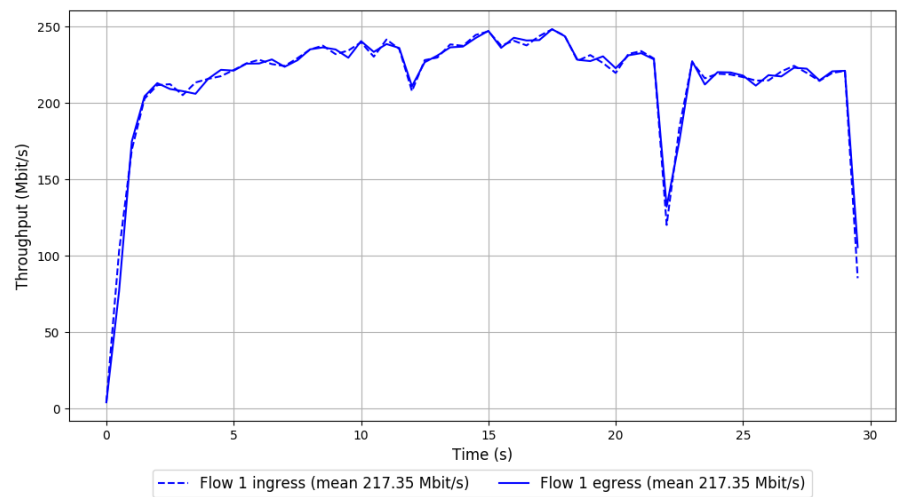


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 14:08:41
End at: 2018-04-24 14:09:11

# Below is generated by plot.py at 2018-04-24 18:39:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.35 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.35 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 0.00%
```

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

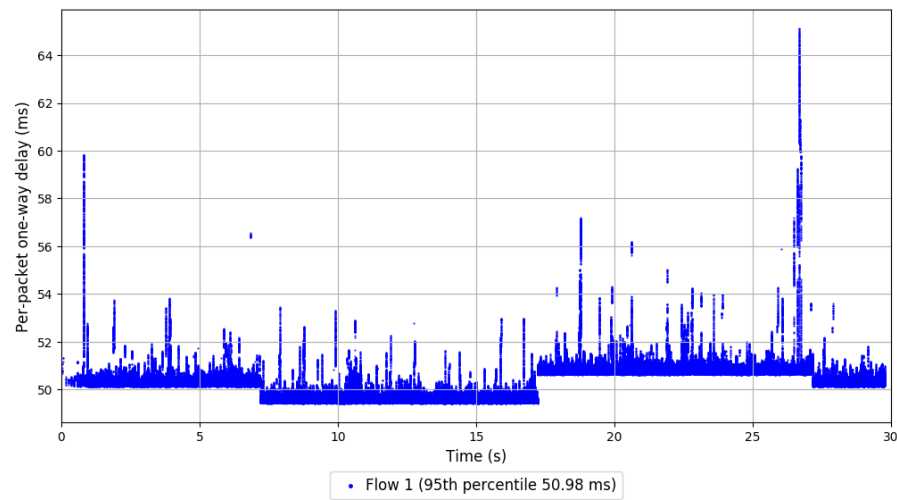
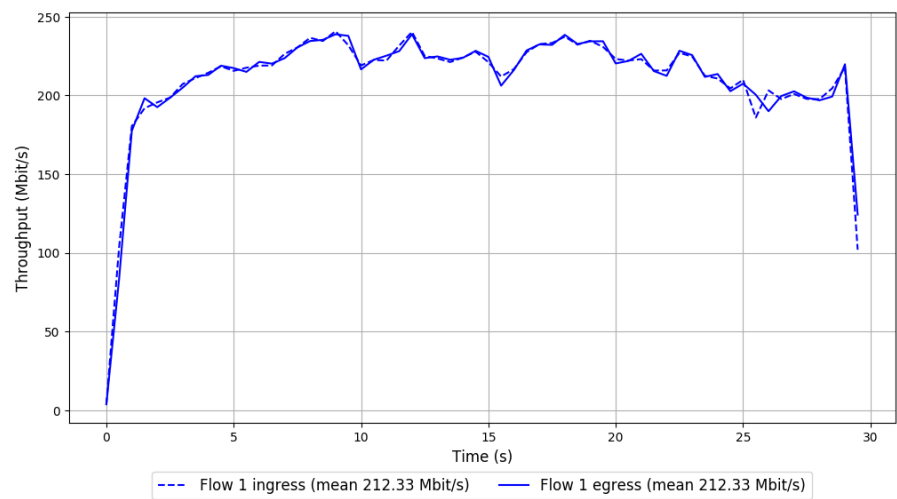


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 14:21:46
End at: 2018-04-24 14:22:16

# Below is generated by plot.py at 2018-04-24 18:39:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.33 Mbit/s
95th percentile per-packet one-way delay: 50.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.33 Mbit/s
95th percentile per-packet one-way delay: 50.983 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 14:34:50

End at: 2018-04-24 14:35:20

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.86 Mbit/s

95th percentile per-packet one-way delay: 50.957 ms

Loss rate: 0.00%

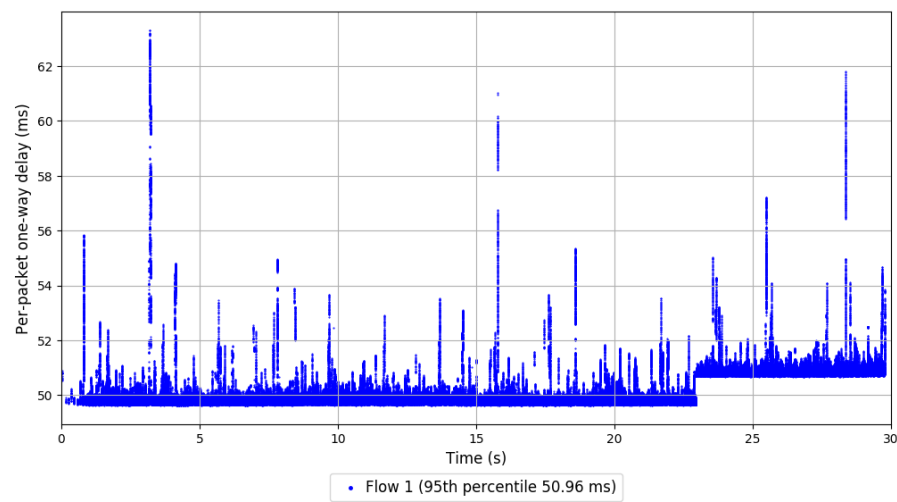
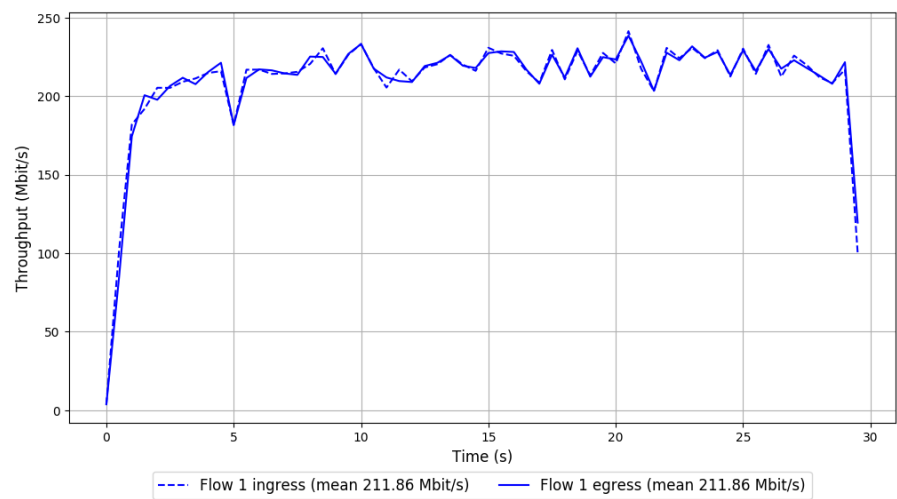
-- Flow 1:

Average throughput: 211.86 Mbit/s

95th percentile per-packet one-way delay: 50.957 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 14:47:45

End at: 2018-04-24 14:48:15

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.71 Mbit/s

95th percentile per-packet one-way delay: 51.222 ms

Loss rate: 0.00%

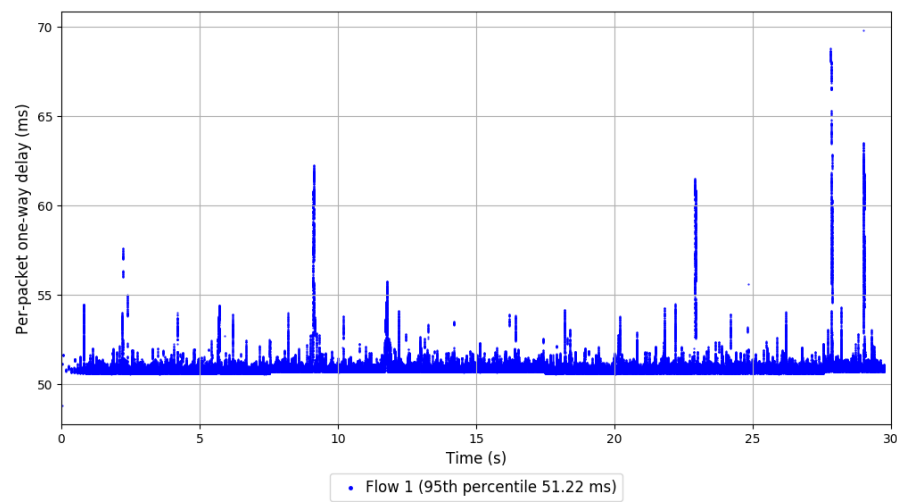
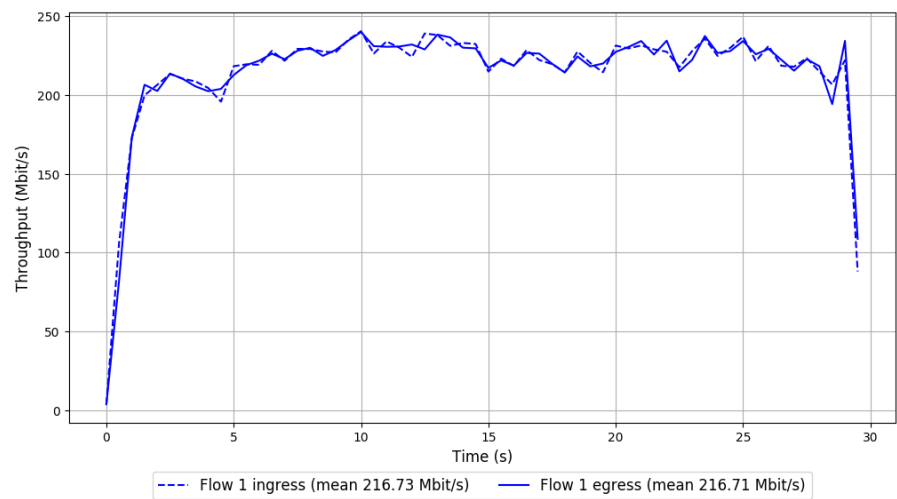
-- Flow 1:

Average throughput: 216.71 Mbit/s

95th percentile per-packet one-way delay: 51.222 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 15:00:47

End at: 2018-04-24 15:01:17

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.52 Mbit/s

95th percentile per-packet one-way delay: 50.506 ms

Loss rate: 0.00%

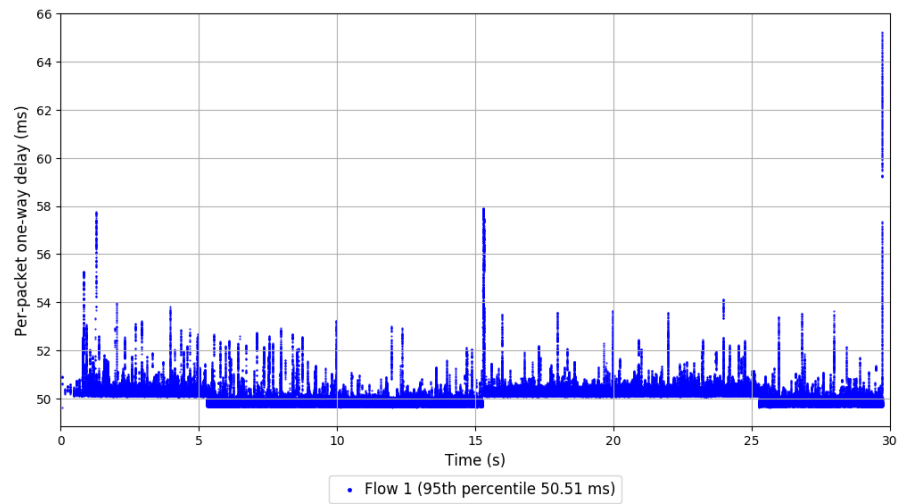
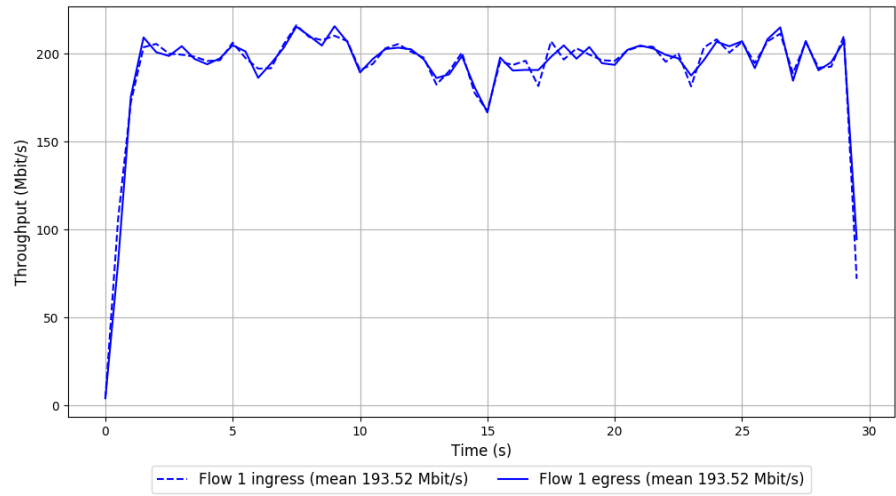
-- Flow 1:

Average throughput: 193.52 Mbit/s

95th percentile per-packet one-way delay: 50.506 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 15:13:44

End at: 2018-04-24 15:14:14

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.39 Mbit/s

95th percentile per-packet one-way delay: 51.230 ms

Loss rate: 0.00%

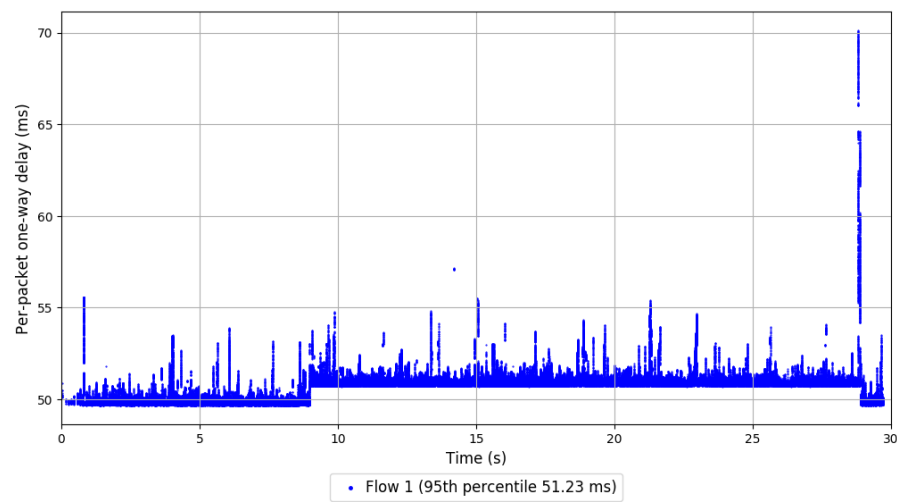
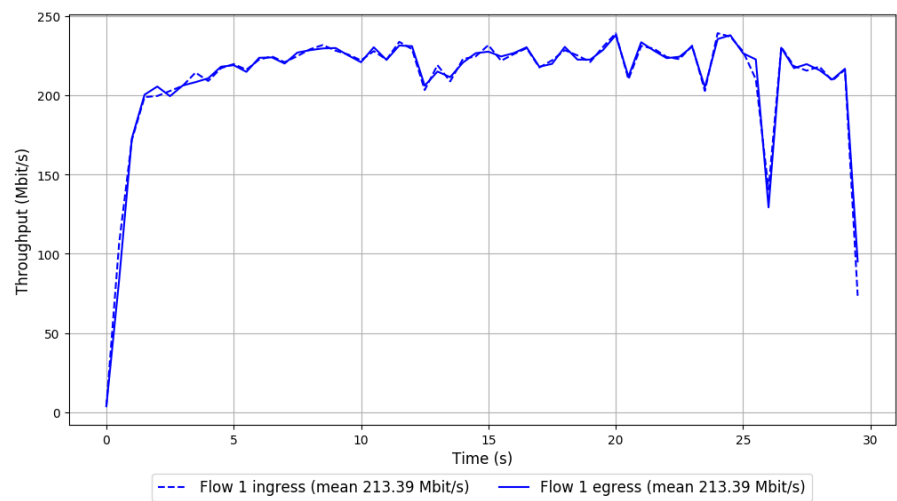
-- Flow 1:

Average throughput: 213.39 Mbit/s

95th percentile per-packet one-way delay: 51.230 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 15:26:49

End at: 2018-04-24 15:27:19

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.91 Mbit/s

95th percentile per-packet one-way delay: 51.068 ms

Loss rate: 0.00%

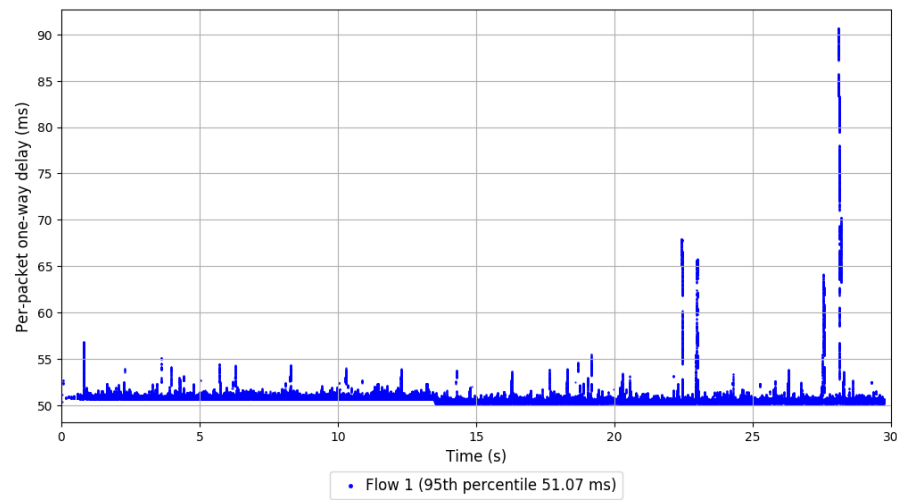
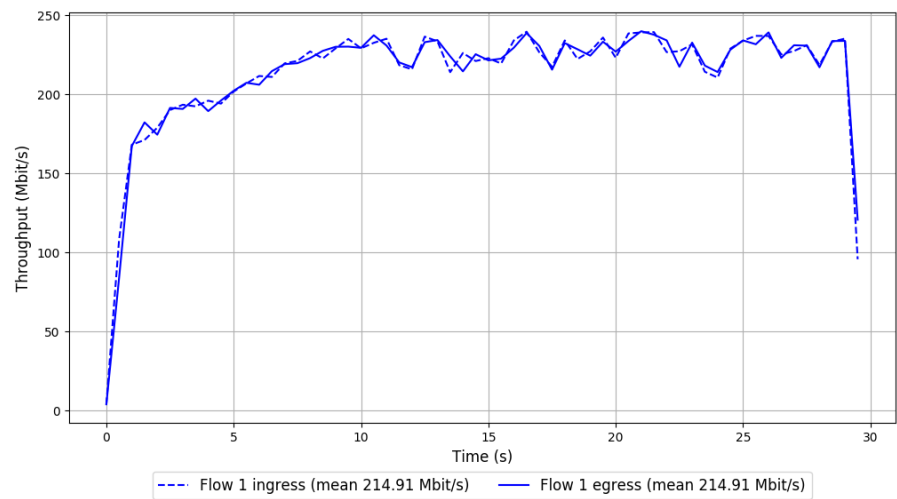
-- Flow 1:

Average throughput: 214.91 Mbit/s

95th percentile per-packet one-way delay: 51.068 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 15:39:35

End at: 2018-04-24 15:40:05

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.58 Mbit/s

95th percentile per-packet one-way delay: 51.243 ms

Loss rate: 0.00%

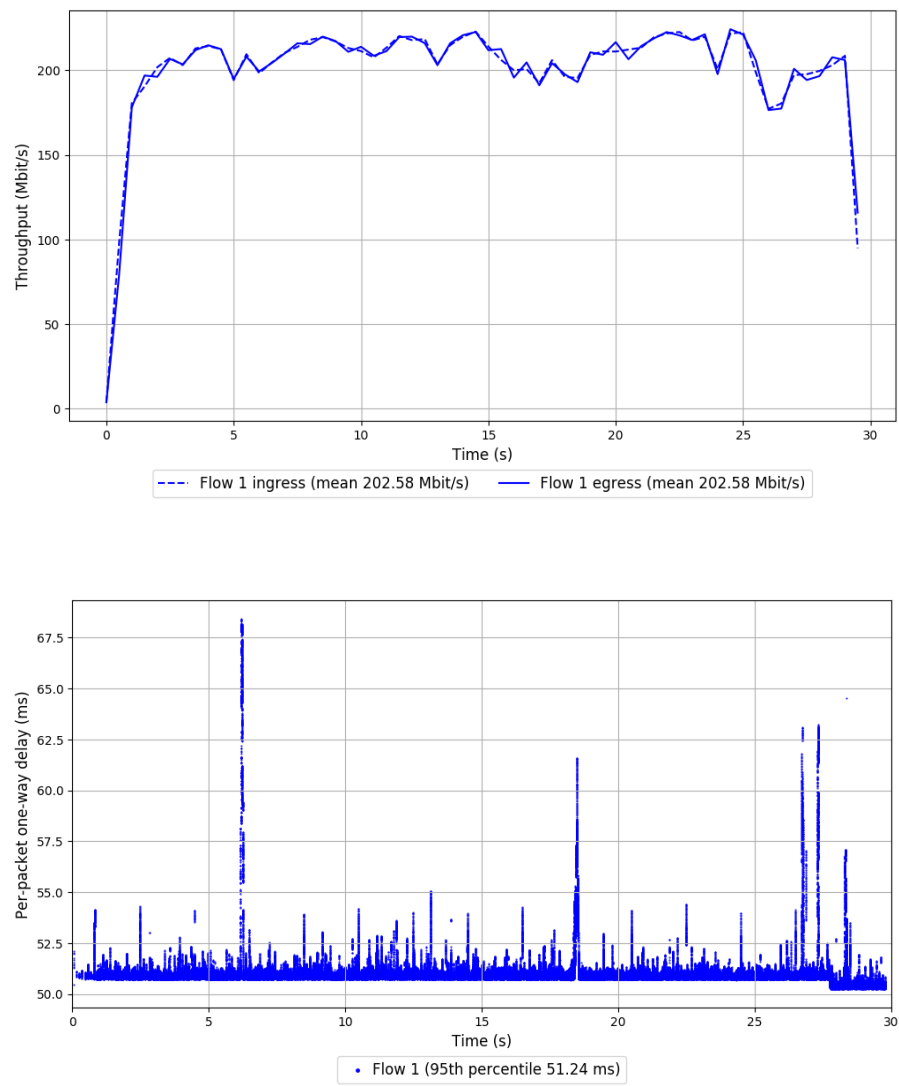
-- Flow 1:

Average throughput: 202.58 Mbit/s

95th percentile per-packet one-way delay: 51.243 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 15:52:33

End at: 2018-04-24 15:53:03

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.12 Mbit/s

95th percentile per-packet one-way delay: 51.167 ms

Loss rate: 0.00%

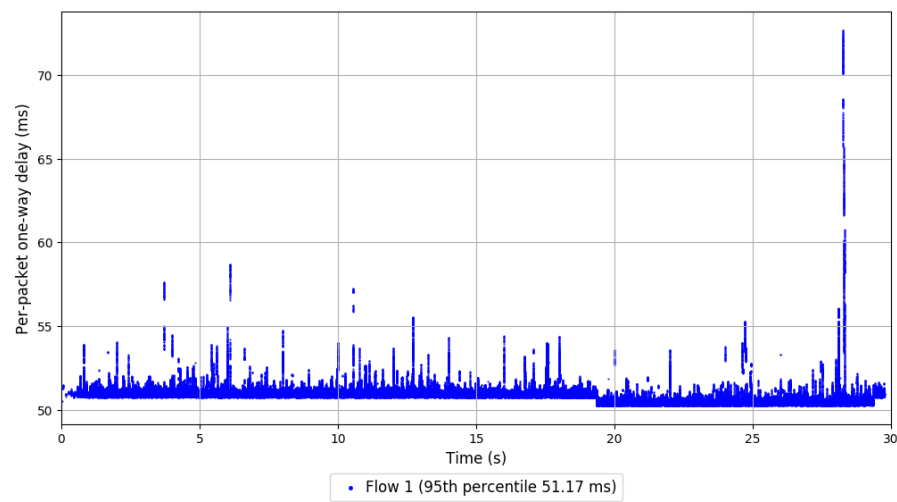
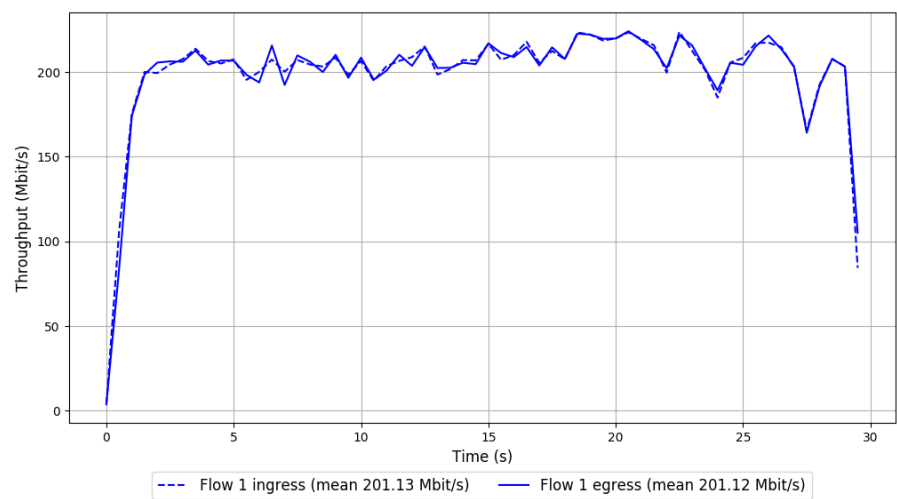
-- Flow 1:

Average throughput: 201.12 Mbit/s

95th percentile per-packet one-way delay: 51.167 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 16:05:31

End at: 2018-04-24 16:06:01

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.49 Mbit/s

95th percentile per-packet one-way delay: 50.652 ms

Loss rate: 0.00%

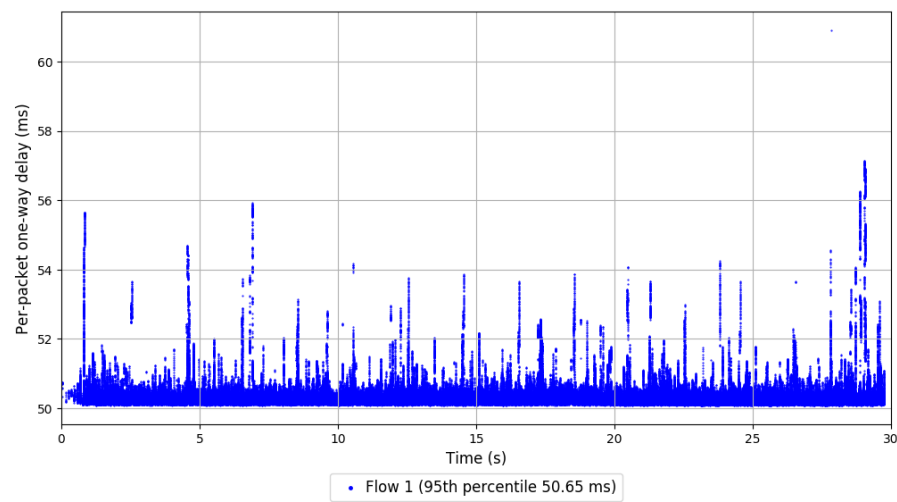
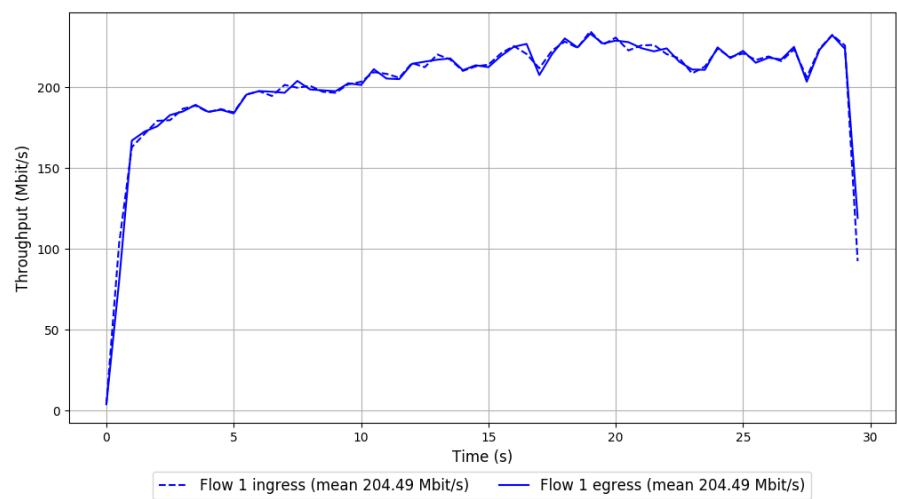
-- Flow 1:

Average throughput: 204.49 Mbit/s

95th percentile per-packet one-way delay: 50.652 ms

Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 14:06:28

End at: 2018-04-24 14:06:58

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.15 Mbit/s

95th percentile per-packet one-way delay: 51.021 ms

Loss rate: 0.25%

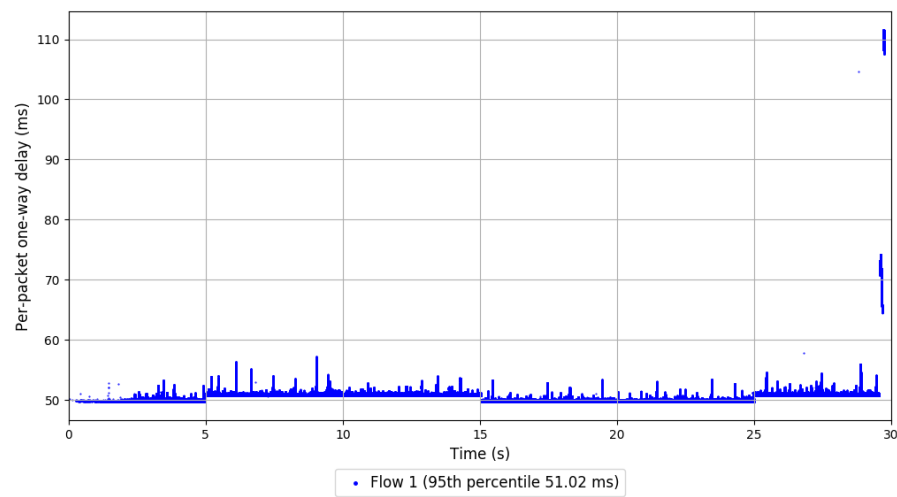
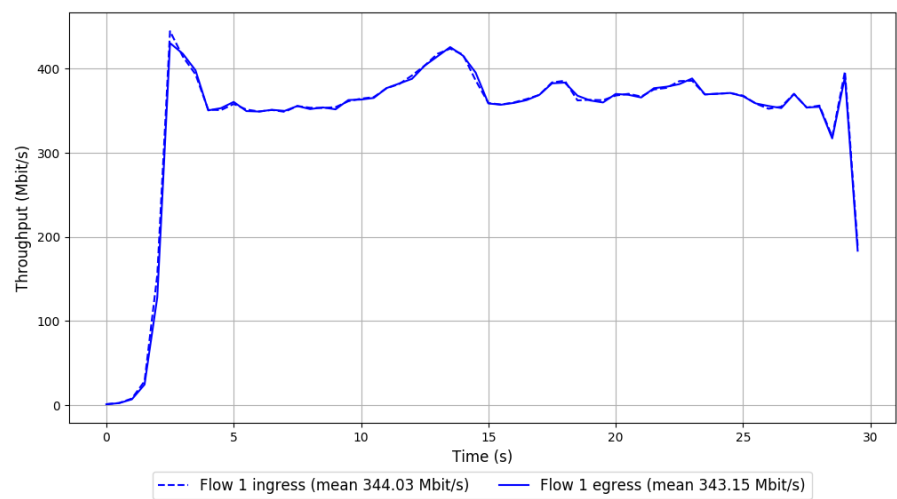
-- Flow 1:

Average throughput: 343.15 Mbit/s

95th percentile per-packet one-way delay: 51.021 ms

Loss rate: 0.25%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 14:19:36

End at: 2018-04-24 14:20:06

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.80 Mbit/s

95th percentile per-packet one-way delay: 50.855 ms

Loss rate: 0.00%

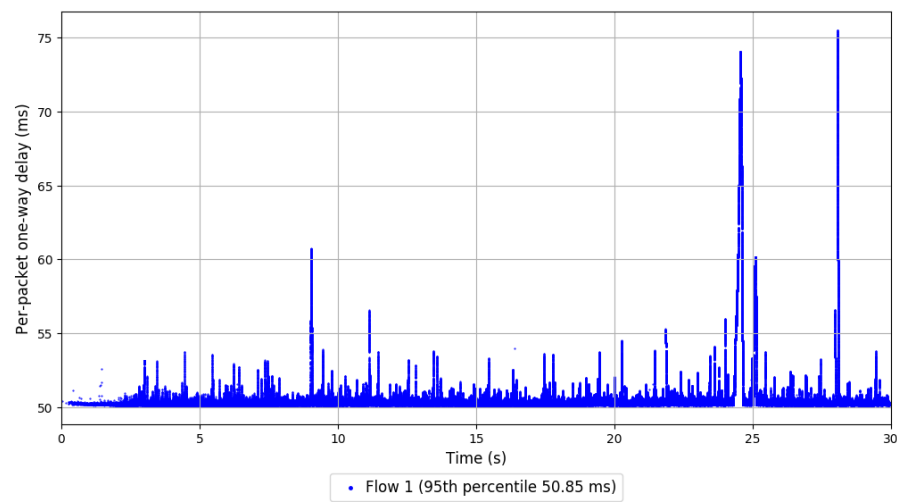
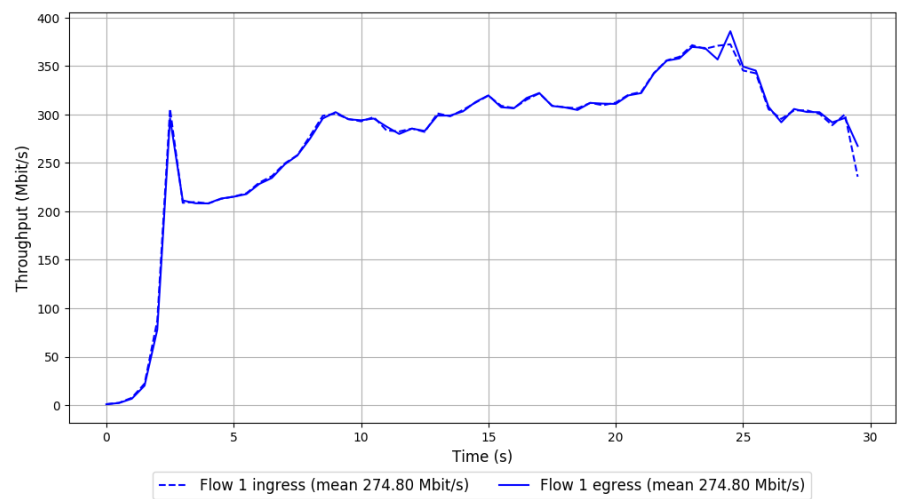
-- Flow 1:

Average throughput: 274.80 Mbit/s

95th percentile per-packet one-way delay: 50.855 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 14:32:42

End at: 2018-04-24 14:33:12

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.28 Mbit/s

95th percentile per-packet one-way delay: 51.095 ms

Loss rate: 0.00%

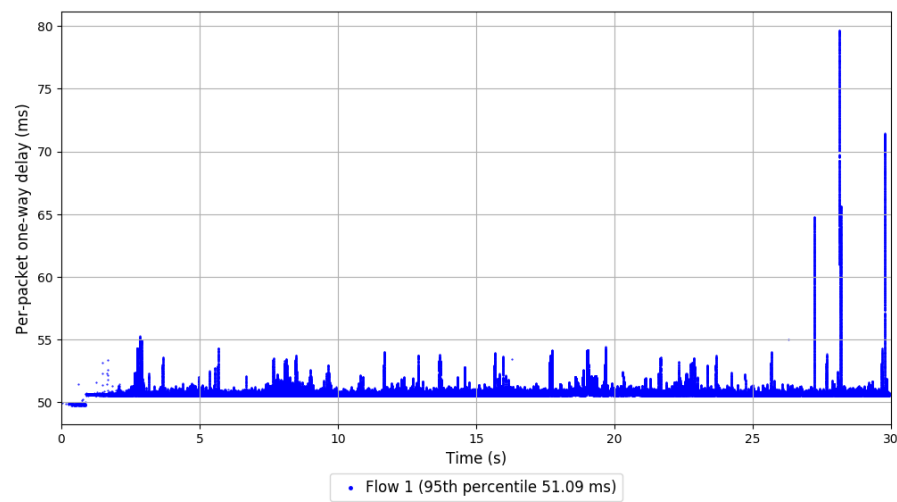
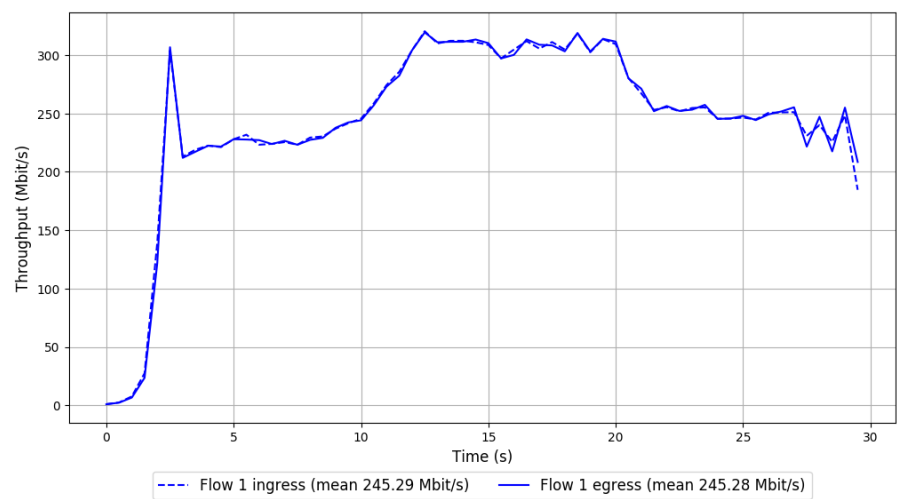
-- Flow 1:

Average throughput: 245.28 Mbit/s

95th percentile per-packet one-way delay: 51.095 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 14:45:38

End at: 2018-04-24 14:46:08

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.16 Mbit/s

95th percentile per-packet one-way delay: 49.547 ms

Loss rate: 0.00%

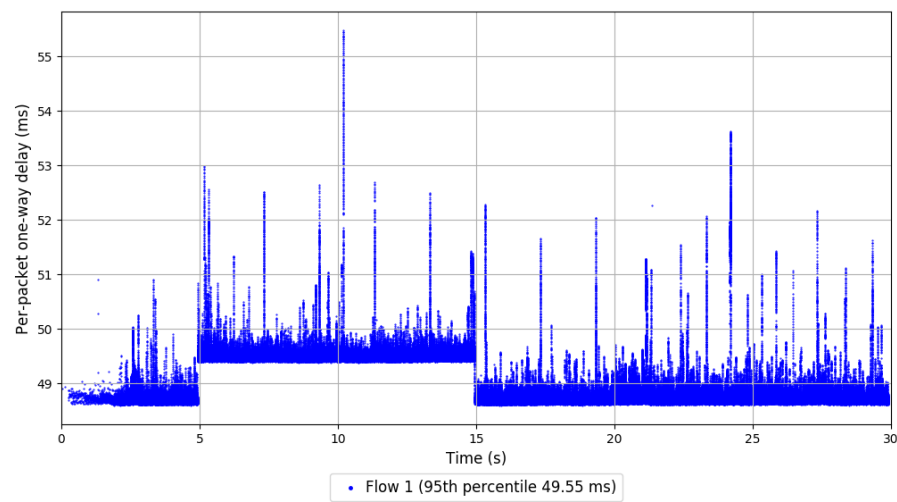
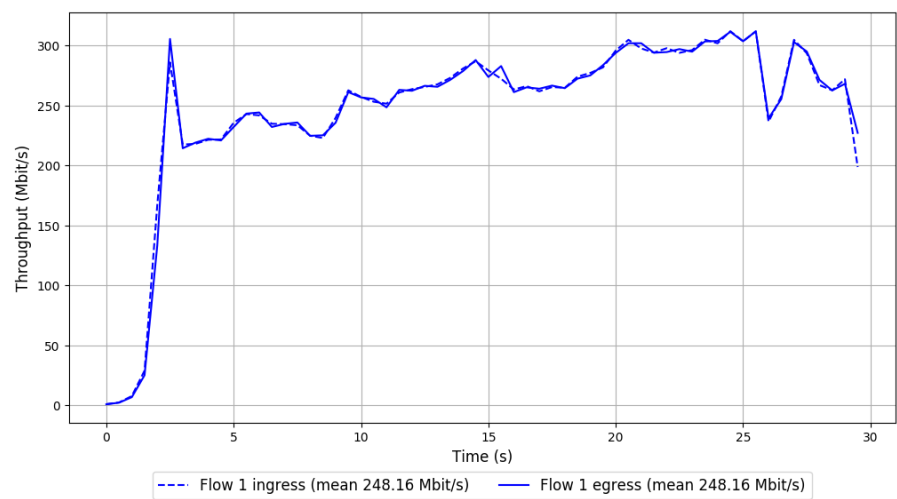
-- Flow 1:

Average throughput: 248.16 Mbit/s

95th percentile per-packet one-way delay: 49.547 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 14:58:41

End at: 2018-04-24 14:59:11

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.89 Mbit/s

95th percentile per-packet one-way delay: 50.138 ms

Loss rate: 0.00%

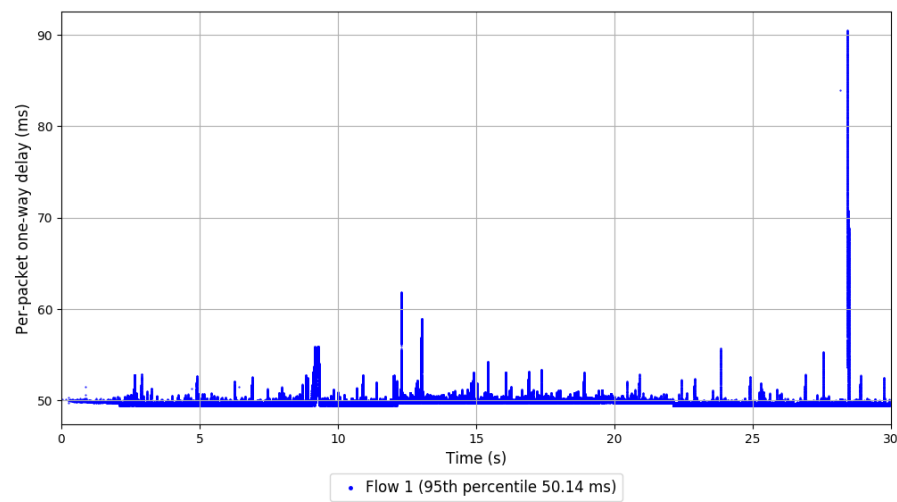
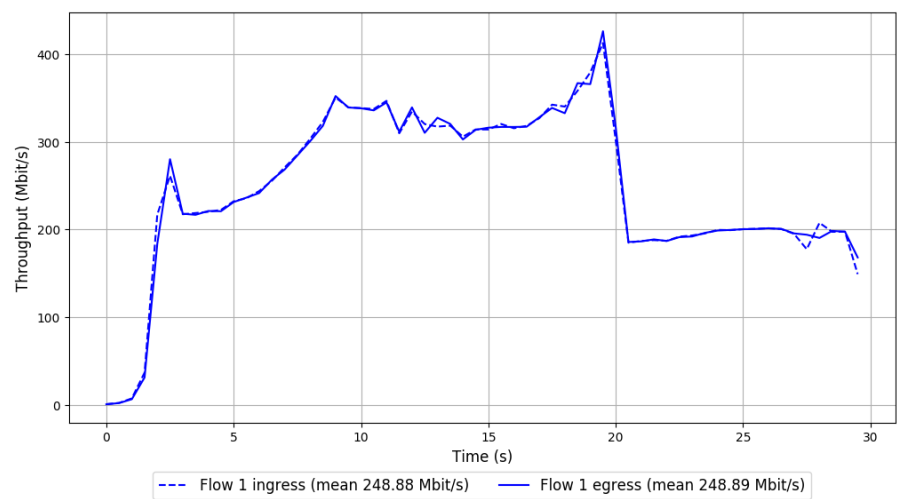
-- Flow 1:

Average throughput: 248.89 Mbit/s

95th percentile per-packet one-way delay: 50.138 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 15:11:36

End at: 2018-04-24 15:12:06

Below is generated by plot.py at 2018-04-24 18:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.07 Mbit/s

95th percentile per-packet one-way delay: 50.052 ms

Loss rate: 0.00%

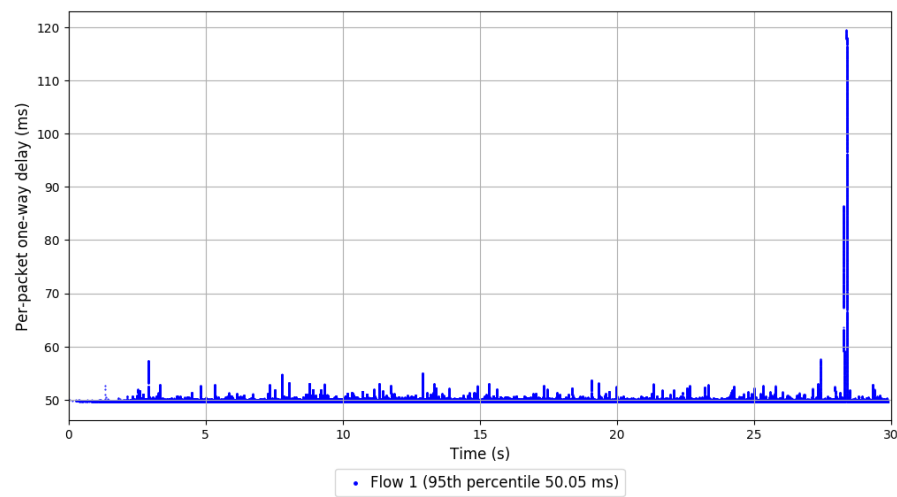
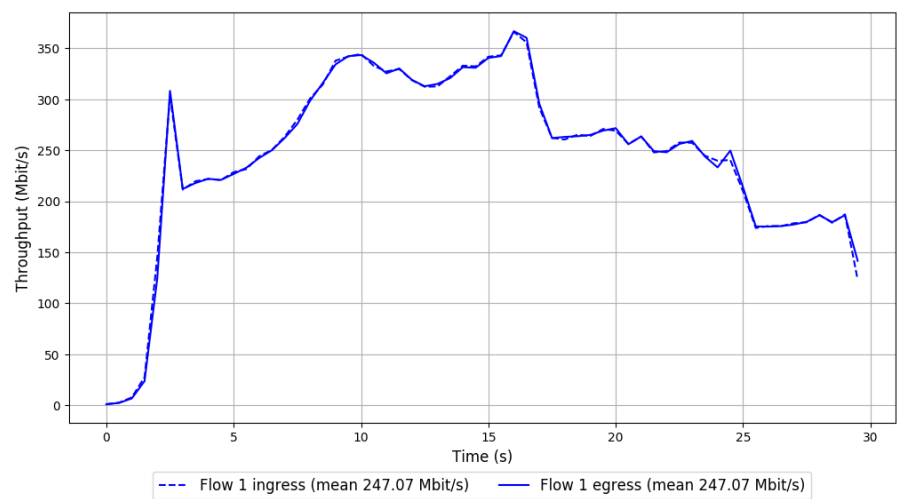
-- Flow 1:

Average throughput: 247.07 Mbit/s

95th percentile per-packet one-way delay: 50.052 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 15:24:35

End at: 2018-04-24 15:25:05

Below is generated by plot.py at 2018-04-24 18:39:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.91 Mbit/s

95th percentile per-packet one-way delay: 52.968 ms

Loss rate: 0.00%

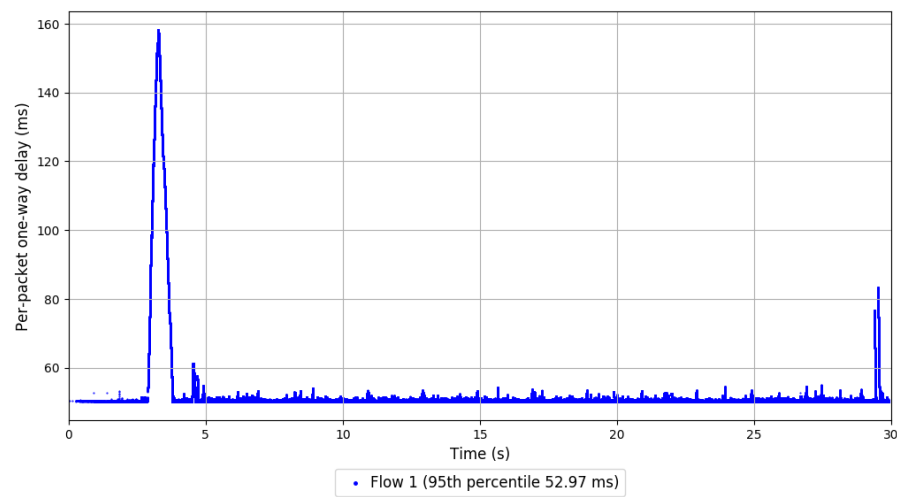
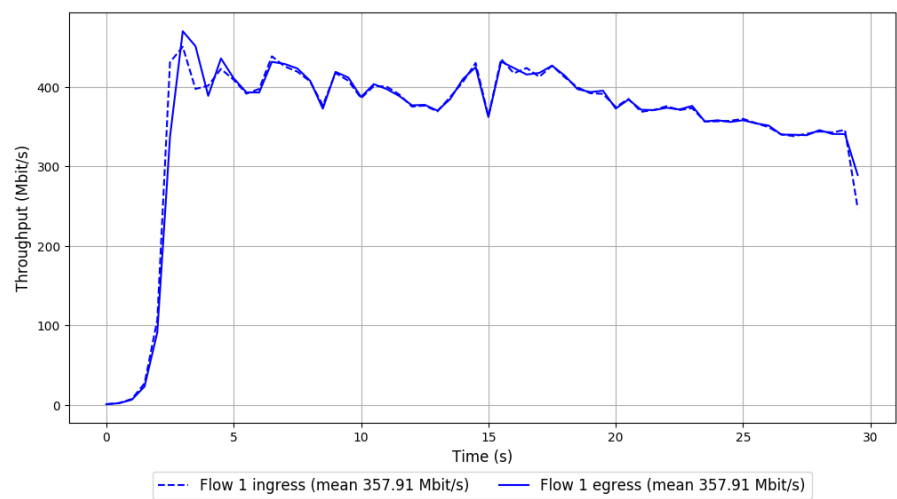
-- Flow 1:

Average throughput: 357.91 Mbit/s

95th percentile per-packet one-way delay: 52.968 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 15:37:25

End at: 2018-04-24 15:37:55

Below is generated by plot.py at 2018-04-24 18:39:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 294.99 Mbit/s

95th percentile per-packet one-way delay: 50.955 ms

Loss rate: 0.00%

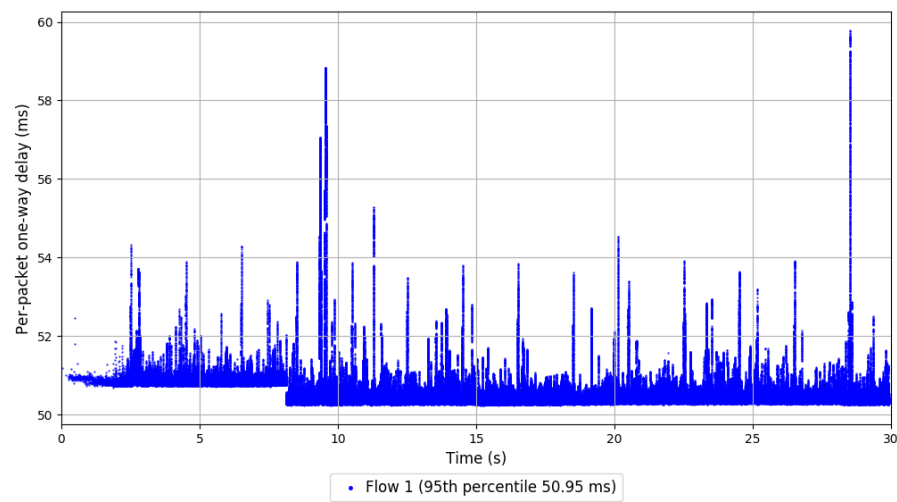
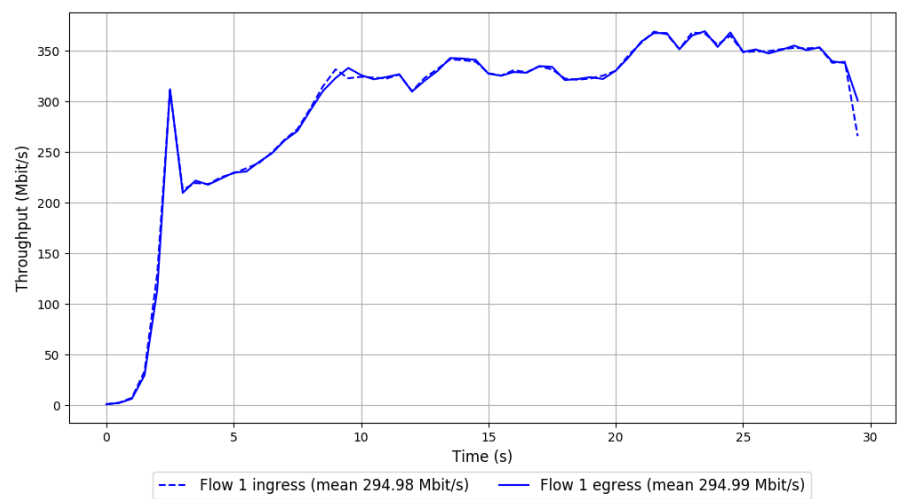
-- Flow 1:

Average throughput: 294.99 Mbit/s

95th percentile per-packet one-way delay: 50.955 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-24 15:50:29

End at: 2018-04-24 15:50:59

Below is generated by plot.py at 2018-04-24 18:39:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.79 Mbit/s

95th percentile per-packet one-way delay: 50.578 ms

Loss rate: 0.00%

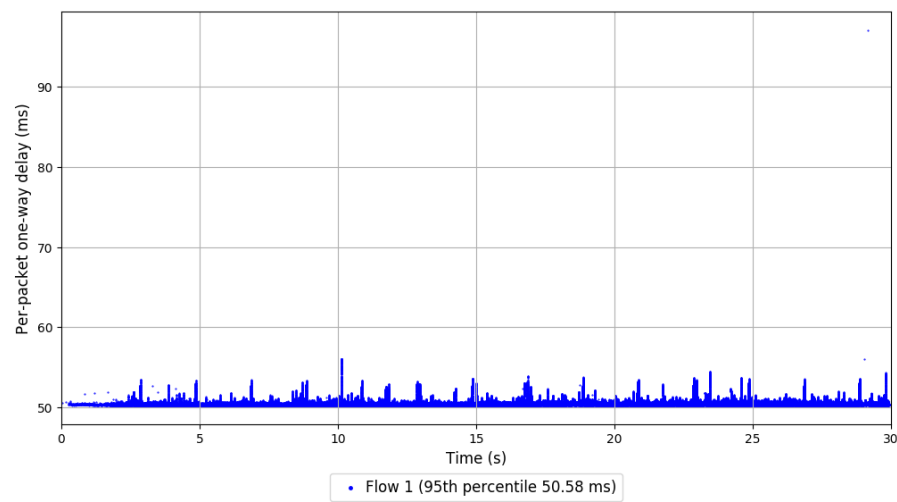
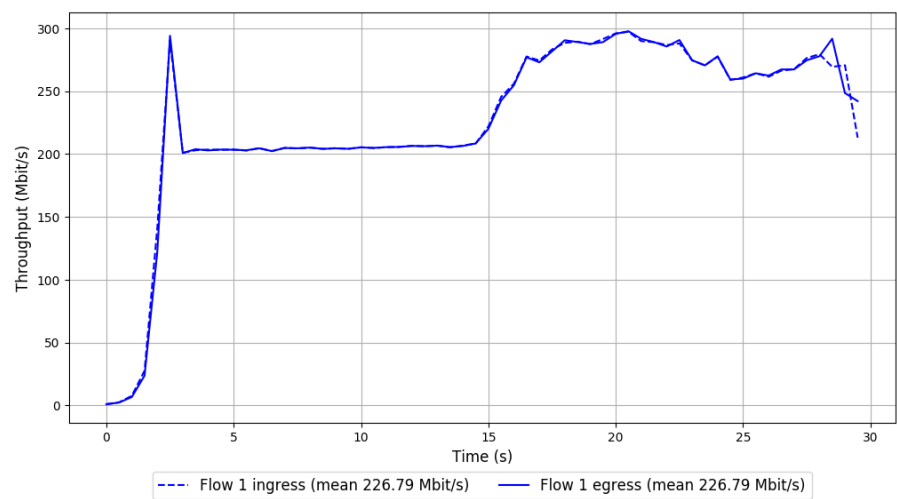
-- Flow 1:

Average throughput: 226.79 Mbit/s

95th percentile per-packet one-way delay: 50.578 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 16:03:22

End at: 2018-04-24 16:03:52

Below is generated by plot.py at 2018-04-24 18:39:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.55 Mbit/s

95th percentile per-packet one-way delay: 50.681 ms

Loss rate: 0.00%

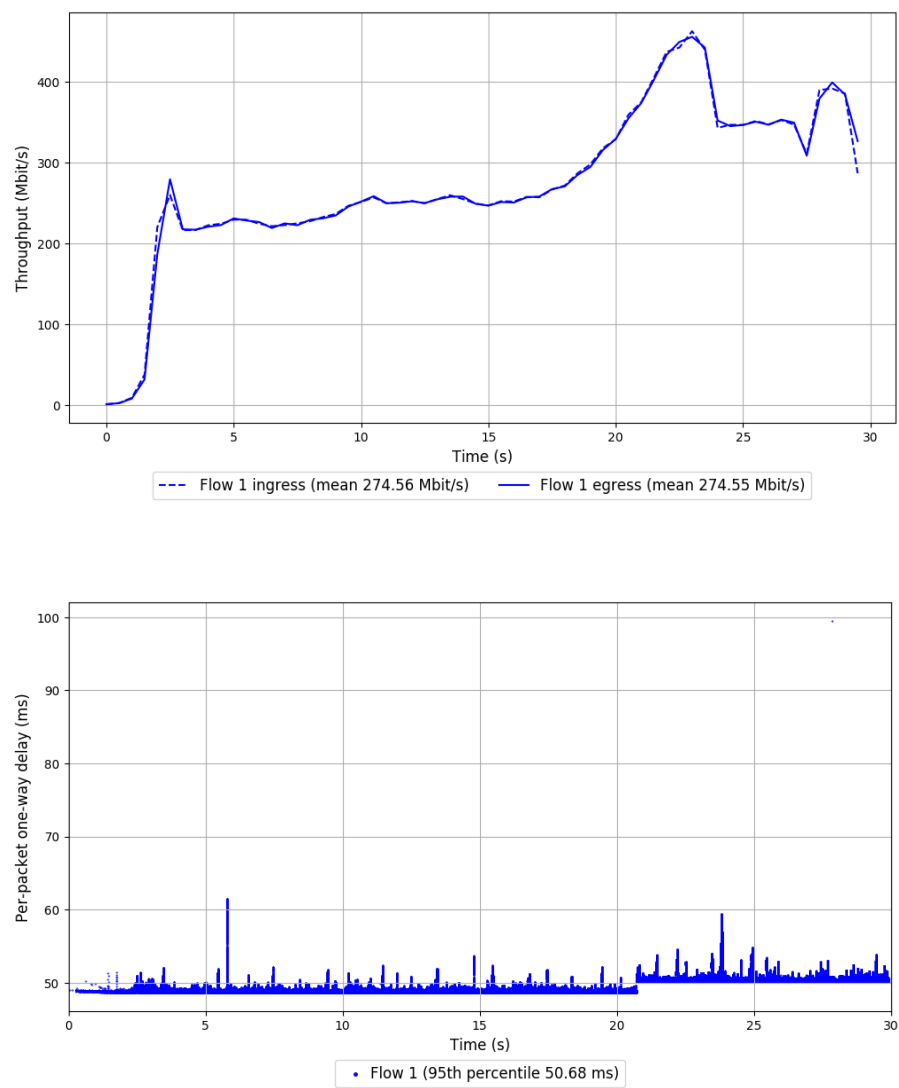
-- Flow 1:

Average throughput: 274.55 Mbit/s

95th percentile per-packet one-way delay: 50.681 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 14:00:49

End at: 2018-04-24 14:01:19

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 14:13:51

End at: 2018-04-24 14:14:21

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 14:27:02

End at: 2018-04-24 14:27:32

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 14:39:56

End at: 2018-04-24 14:40:26

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 14:52:59

End at: 2018-04-24 14:53:29

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 15:05:56

End at: 2018-04-24 15:06:26

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 15:18:50

End at: 2018-04-24 15:19:20

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 15:31:46

End at: 2018-04-24 15:32:16

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 15:44:48

End at: 2018-04-24 15:45:18

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 15:57:41

End at: 2018-04-24 15:58:11

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing