

Pantheon Report

Generated at 2018-04-17 17:49:26 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

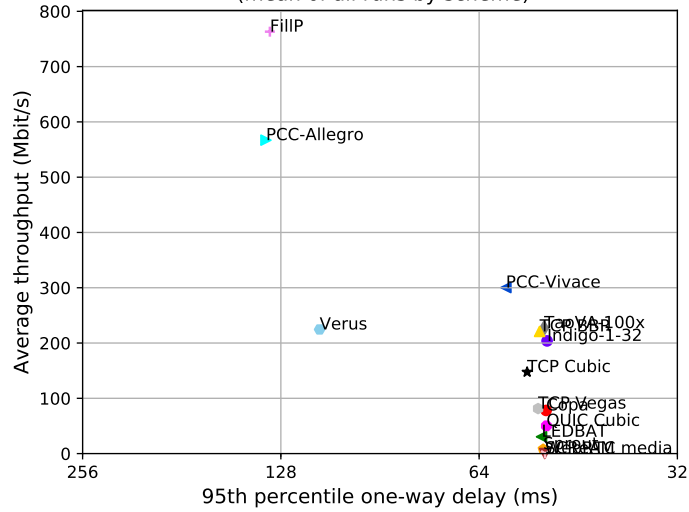
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

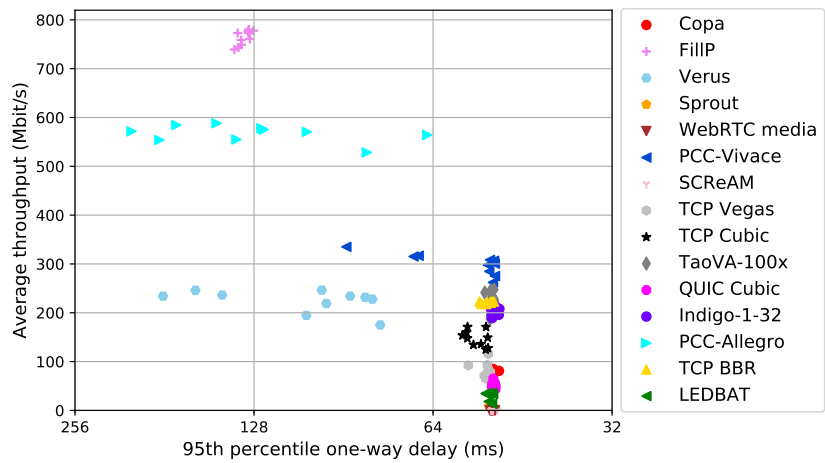
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webRTC @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



test from GCE London Ethernet to GCE Iowa 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	220.98	51.80	0.36
TCP Cubic	10	147.51	54.11	0.34
LEDBAT	10	30.39	51.46	0.74
PCC-Allegro	10	566.96	134.84	0.91
QUIC Cubic	9	50.12	50.58	0.55
SCReAM	10	0.22	50.83	0.35
WebRTC media	10	0.06	50.88	0.00
Sprout	10	7.94	51.16	0.41
TaoVA-100x	10	227.05	50.99	0.32
TCP Vegas	10	81.40	52.08	0.32
Verus	10	224.52	111.79	0.70
Copa	10	78.06	50.64	0.21
FillP	10	763.22	133.02	3.43
Indigo-1-32	10	203.83	50.47	0.36
PCC-Vivace	10	300.28	58.29	0.36
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 12:27:00

End at: 2018-04-17 12:27:30

Below is generated by plot.py at 2018-04-17 16:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.96 Mbit/s

95th percentile per-packet one-way delay: 51.203 ms

Loss rate: 0.35%

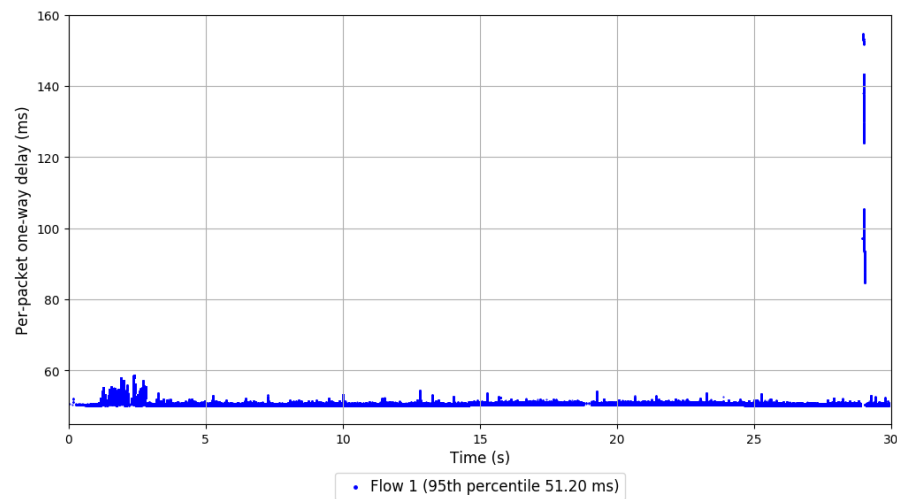
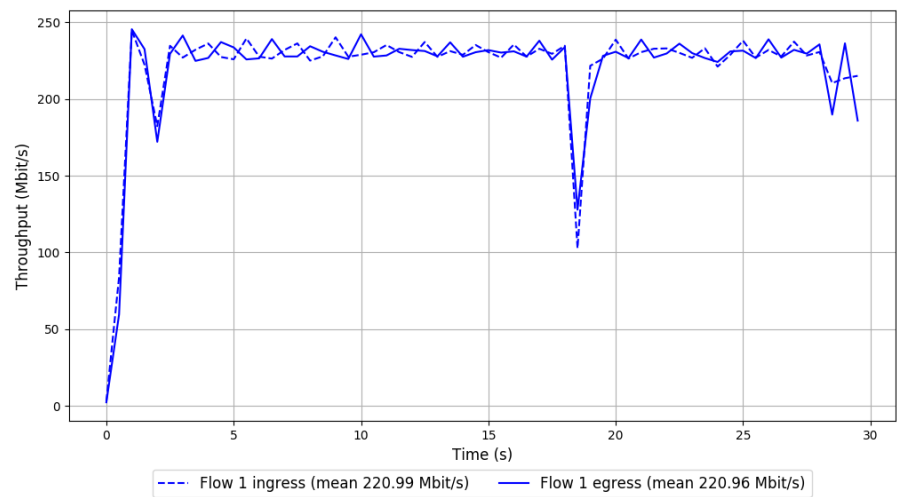
-- Flow 1:

Average throughput: 220.96 Mbit/s

95th percentile per-packet one-way delay: 51.203 ms

Loss rate: 0.35%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 12:40:00

End at: 2018-04-17 12:40:30

Below is generated by plot.py at 2018-04-17 16:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.82 Mbit/s

95th percentile per-packet one-way delay: 52.086 ms

Loss rate: 0.36%

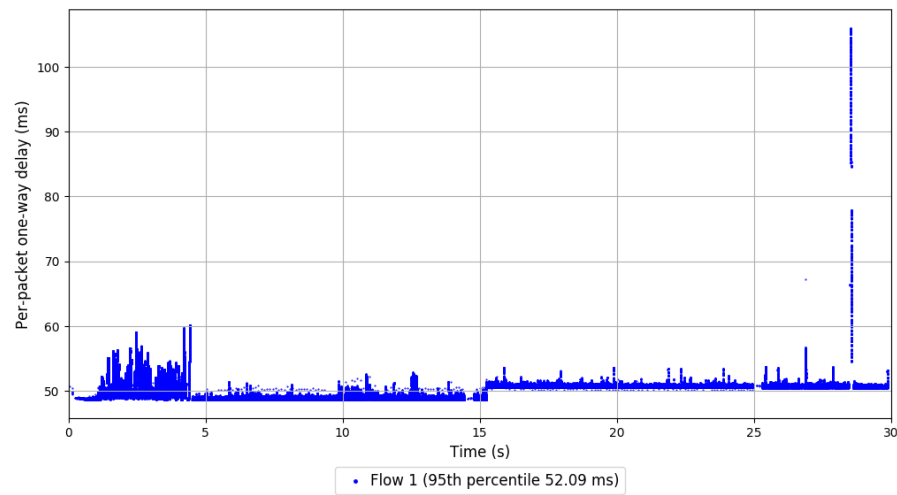
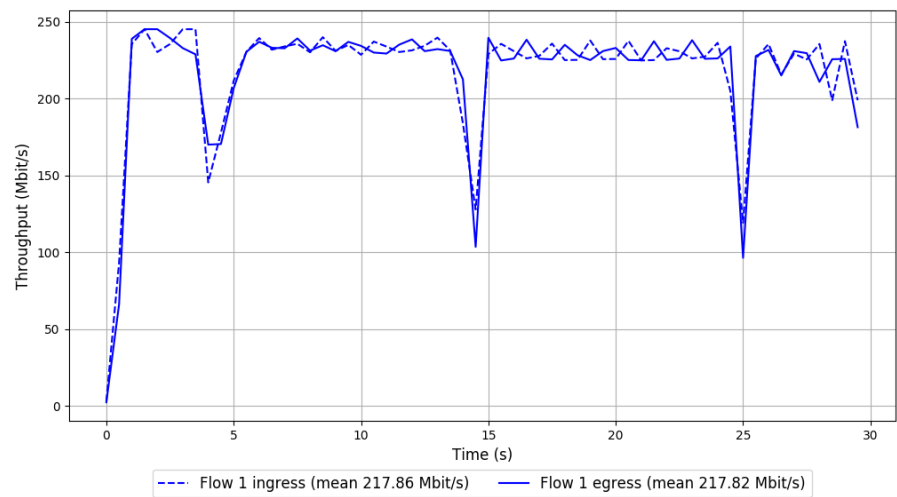
-- Flow 1:

Average throughput: 217.82 Mbit/s

95th percentile per-packet one-way delay: 52.086 ms

Loss rate: 0.36%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 12:52:57

End at: 2018-04-17 12:53:27

Below is generated by plot.py at 2018-04-17 16:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.07 Mbit/s

95th percentile per-packet one-way delay: 53.464 ms

Loss rate: 0.36%

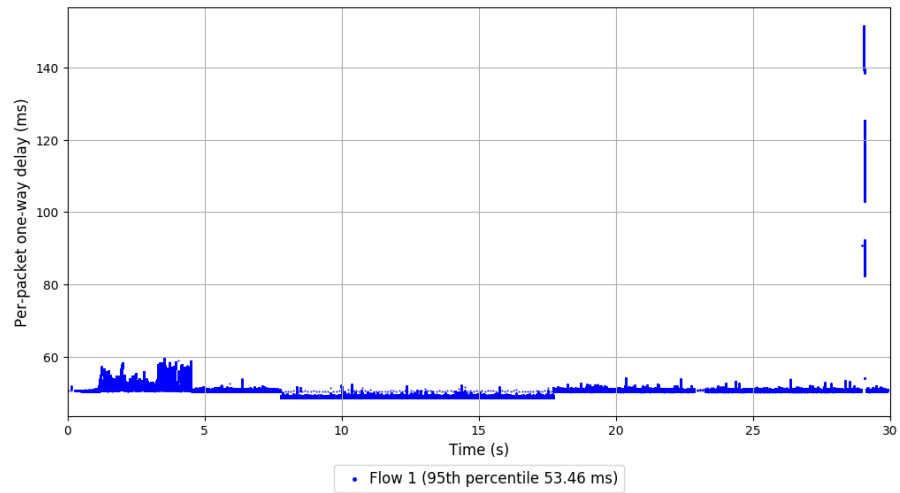
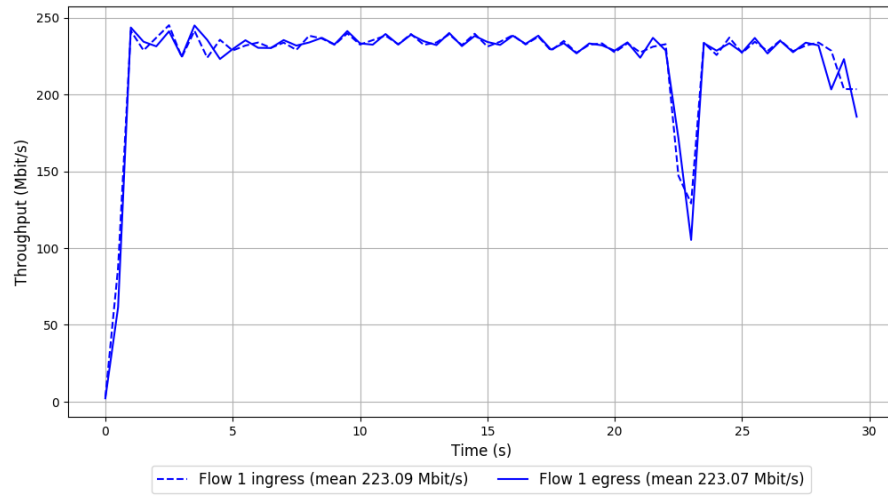
-- Flow 1:

Average throughput: 223.07 Mbit/s

95th percentile per-packet one-way delay: 53.464 ms

Loss rate: 0.36%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 13:05:54

End at: 2018-04-17 13:06:24

Below is generated by plot.py at 2018-04-17 16:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.82 Mbit/s

95th percentile per-packet one-way delay: 51.251 ms

Loss rate: 0.35%

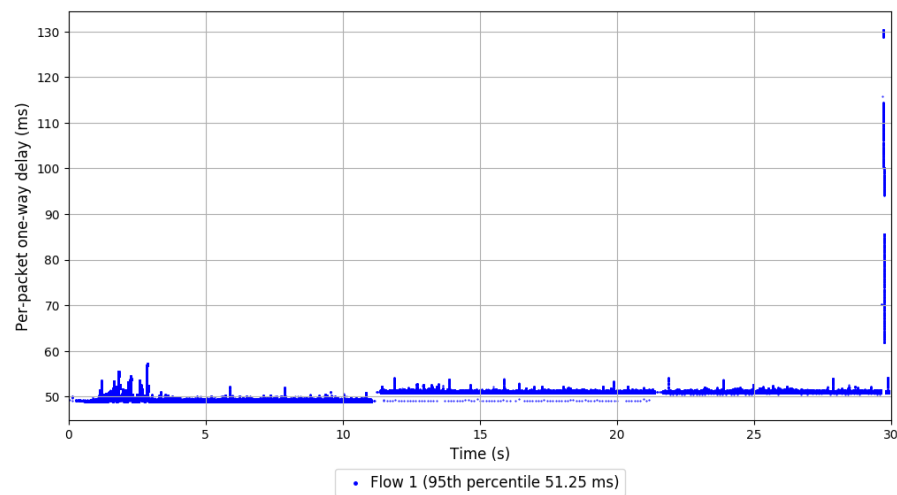
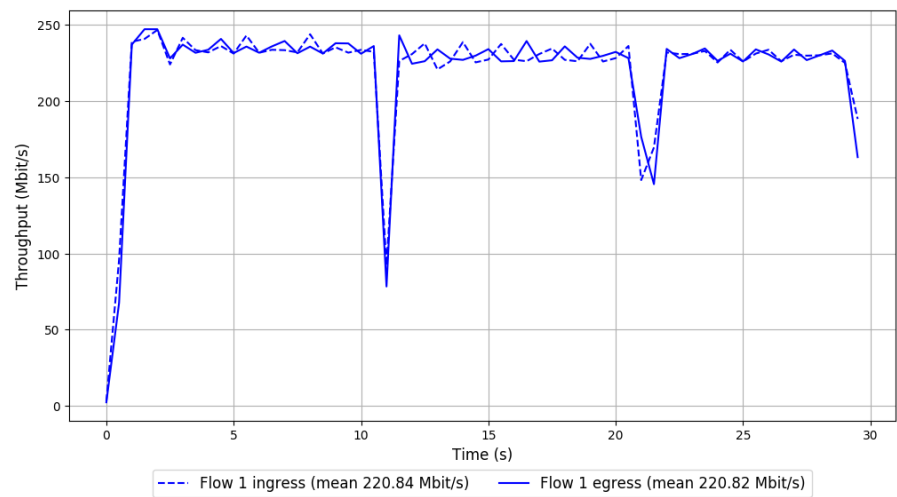
-- Flow 1:

Average throughput: 220.82 Mbit/s

95th percentile per-packet one-way delay: 51.251 ms

Loss rate: 0.35%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 13:18:51

End at: 2018-04-17 13:19:21

Below is generated by plot.py at 2018-04-17 16:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.58 Mbit/s

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

Loss rate: 0.40%

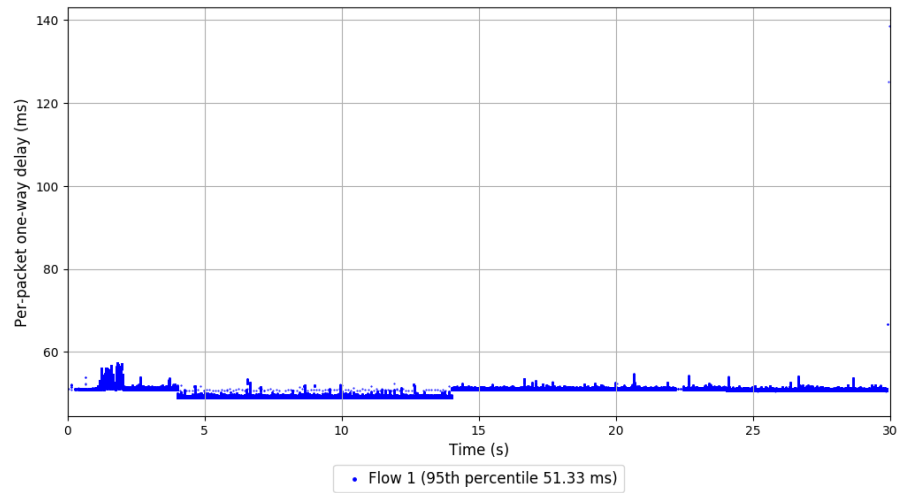
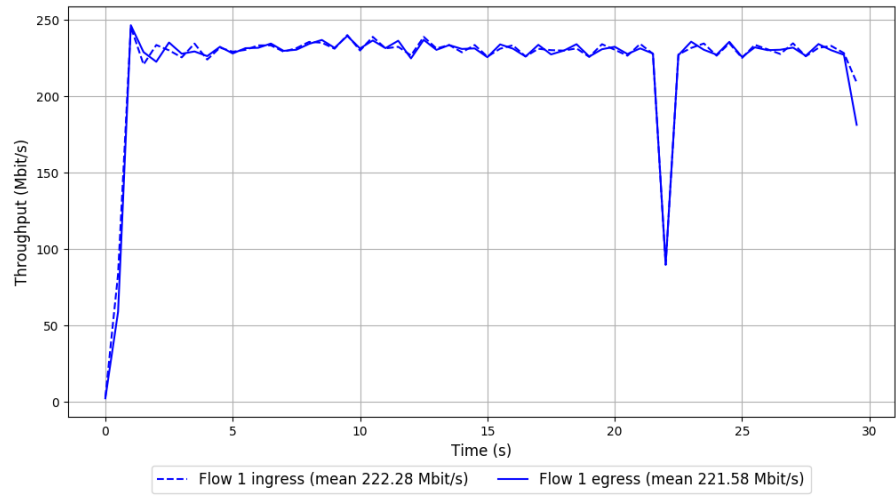
-- Flow 1:

Average throughput: 221.58 Mbit/s

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

Loss rate: 0.40%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 13:31:50

End at: 2018-04-17 13:32:20

Below is generated by plot.py at 2018-04-17 16:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.42 Mbit/s

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

Loss rate: 0.36%

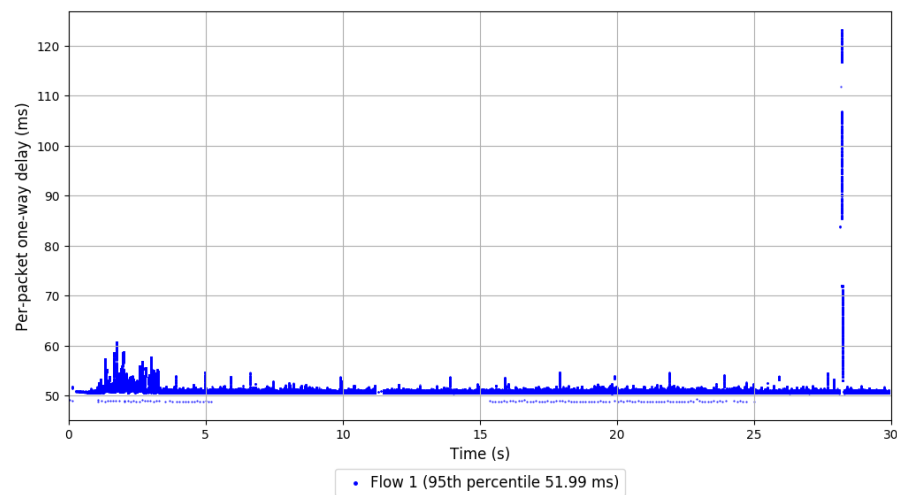
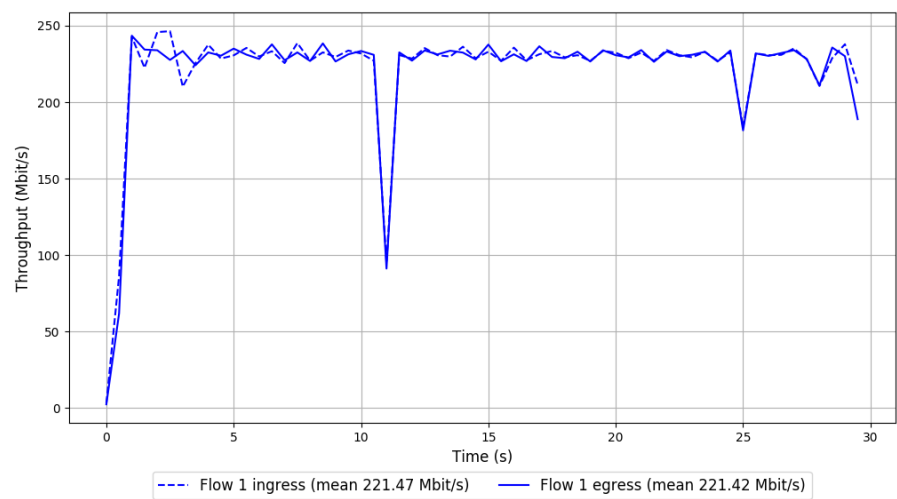
-- Flow 1:

Average throughput: 221.42 Mbit/s

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

Loss rate: 0.36%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 13:44:50

End at: 2018-04-17 13:45:20

Below is generated by plot.py at 2018-04-17 16:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.23 Mbit/s

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

Loss rate: 0.35%

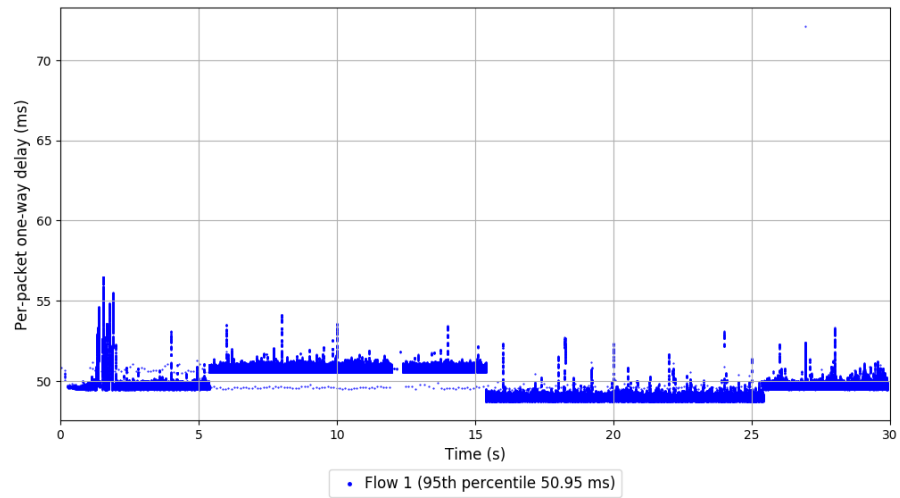
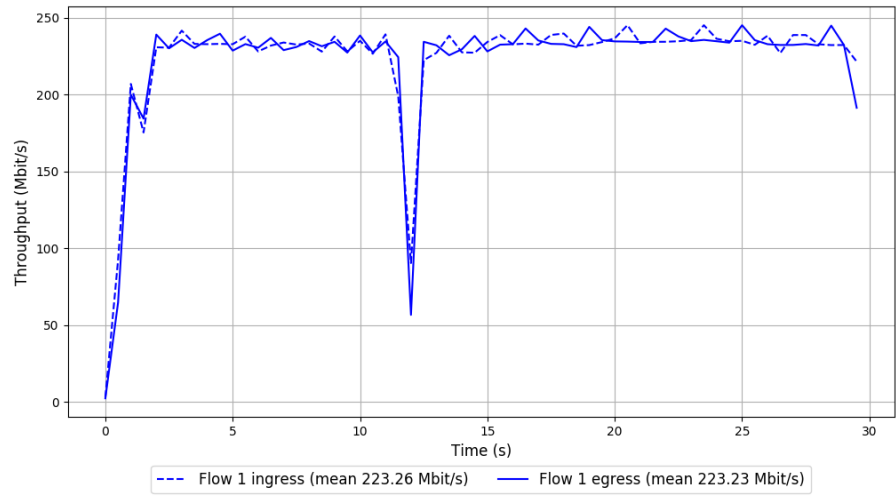
-- Flow 1:

Average throughput: 223.23 Mbit/s

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

Loss rate: 0.35%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 13:57:51

End at: 2018-04-17 13:58:21

Below is generated by plot.py at 2018-04-17 16:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.01 Mbit/s

95th percentile per-packet one-way delay: 50.538 ms

Loss rate: 0.35%

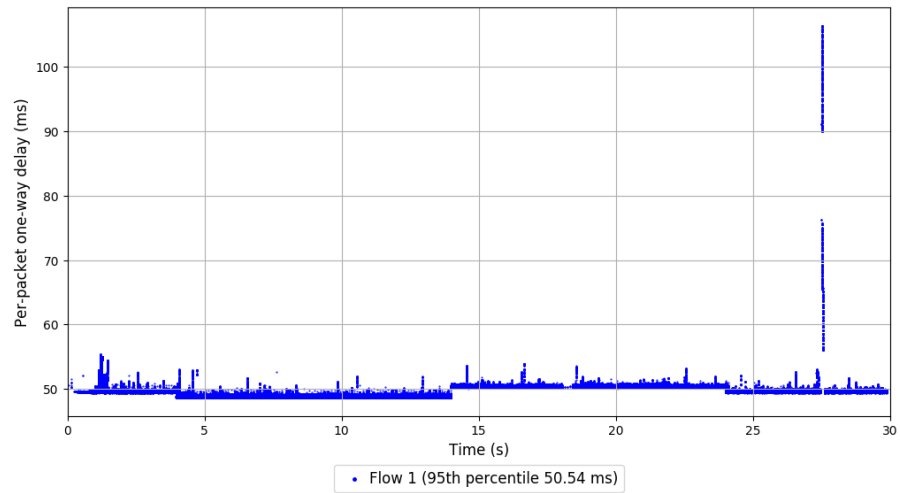
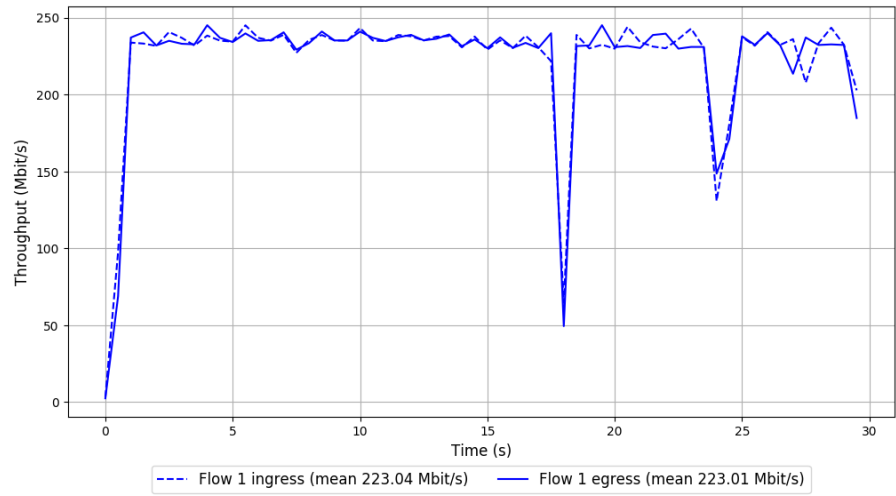
-- Flow 1:

Average throughput: 223.01 Mbit/s

95th percentile per-packet one-way delay: 50.538 ms

Loss rate: 0.35%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 14:10:48

End at: 2018-04-17 14:11:18

Below is generated by plot.py at 2018-04-17 16:47:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.23 Mbit/s

95th percentile per-packet one-way delay: 53.043 ms

Loss rate: 0.35%

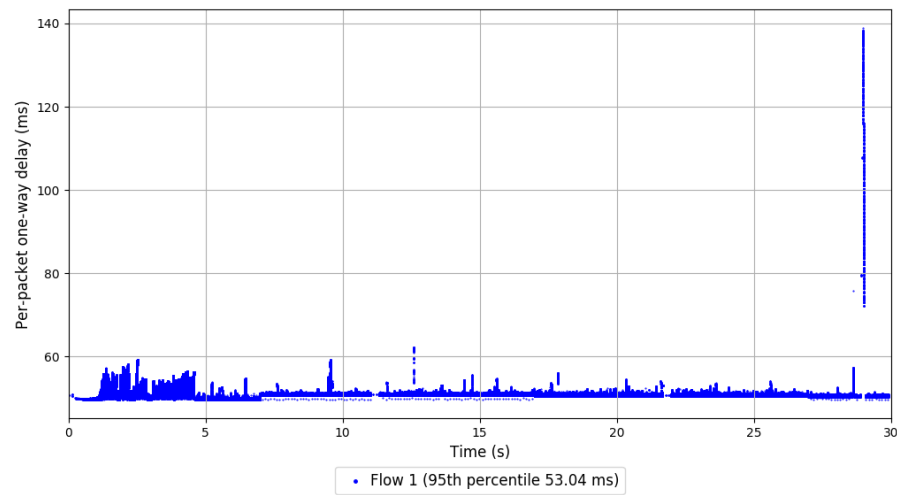
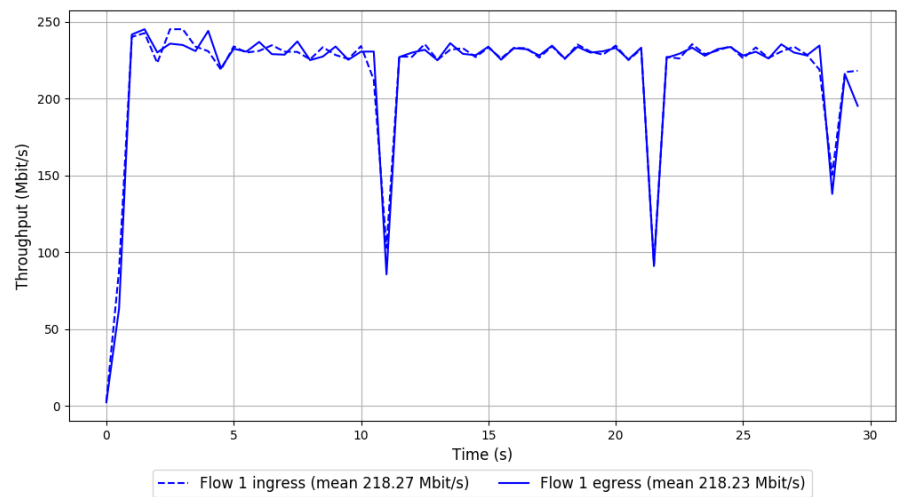
-- Flow 1:

Average throughput: 218.23 Mbit/s

95th percentile per-packet one-way delay: 53.043 ms

Loss rate: 0.35%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 14:23:52

End at: 2018-04-17 14:24:22

Below is generated by plot.py at 2018-04-17 16:47:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.65 Mbit/s

95th percentile per-packet one-way delay: 52.174 ms

Loss rate: 0.35%

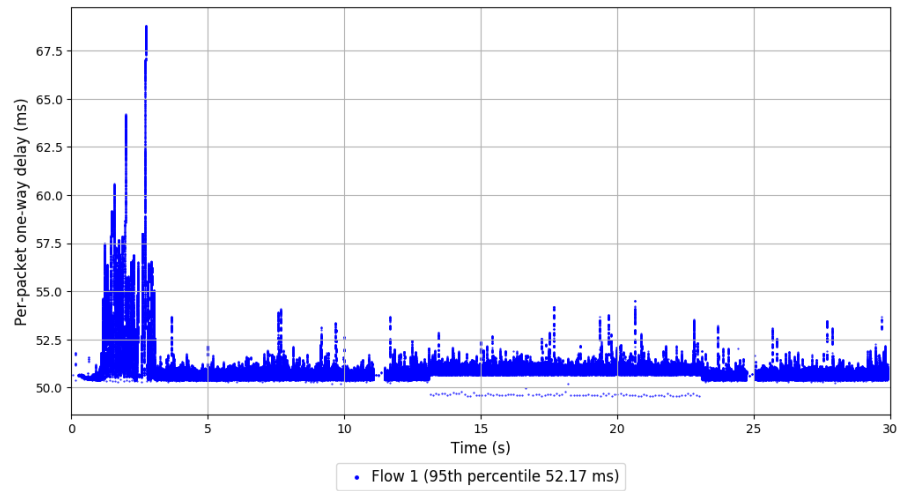
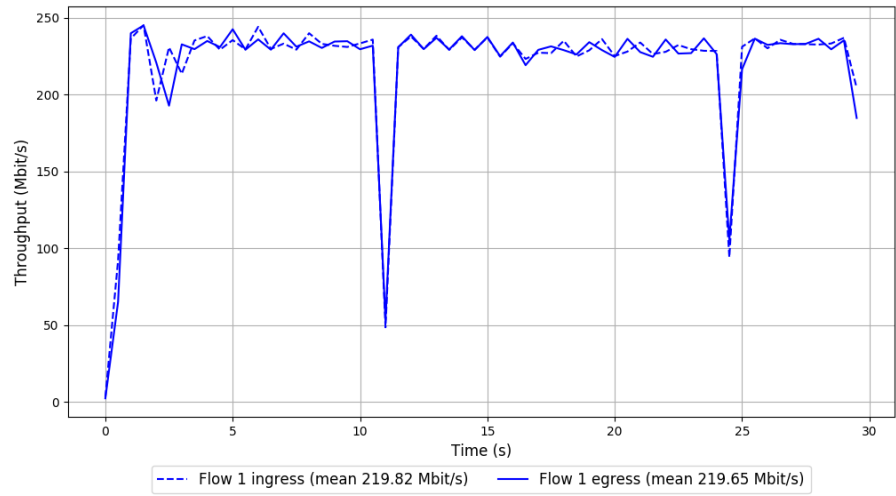
-- Flow 1:

Average throughput: 219.65 Mbit/s

95th percentile per-packet one-way delay: 52.174 ms

Loss rate: 0.35%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 12:27:47

End at: 2018-04-17 12:28:17

Below is generated by plot.py at 2018-04-17 16:47:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.97 Mbit/s

95th percentile per-packet one-way delay: 52.124 ms

Loss rate: 0.26%

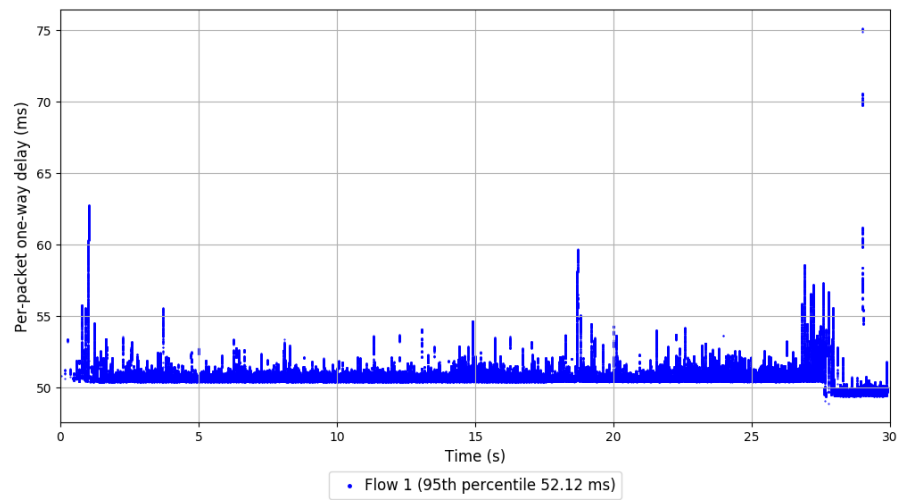
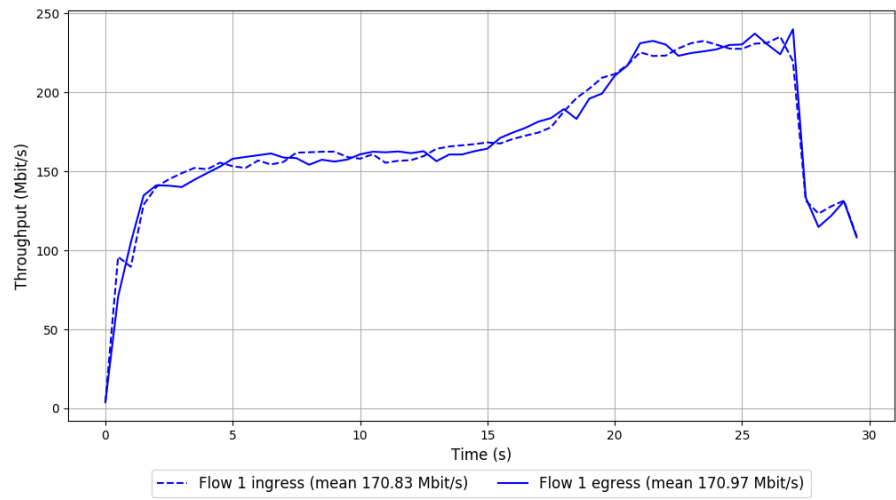
-- Flow 1:

Average throughput: 170.97 Mbit/s

95th percentile per-packet one-way delay: 52.124 ms

Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 12:40:47

End at: 2018-04-17 12:41:17

Below is generated by plot.py at 2018-04-17 16:47:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.83 Mbit/s

95th percentile per-packet one-way delay: 53.166 ms

Loss rate: 0.39%

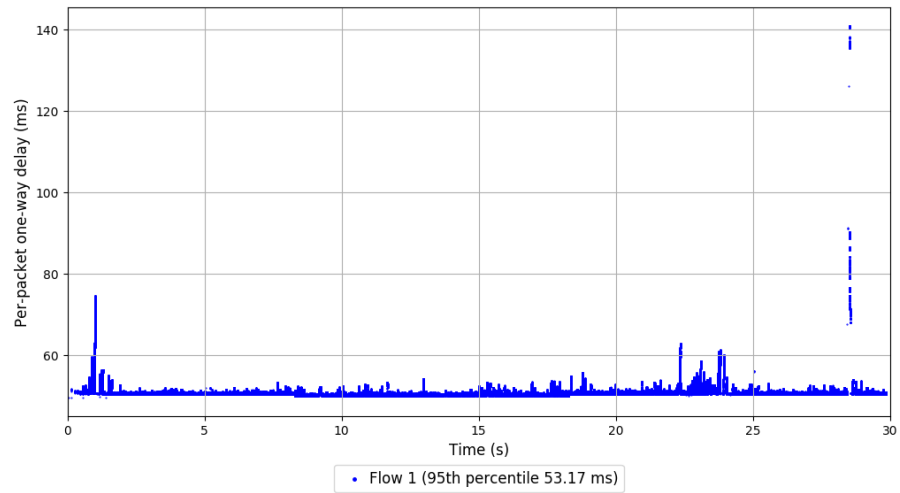
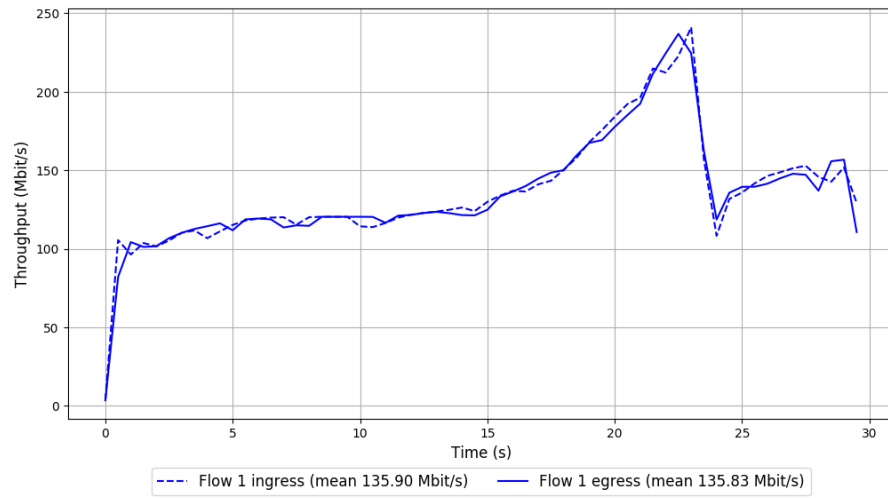
-- Flow 1:

Average throughput: 135.83 Mbit/s

95th percentile per-packet one-way delay: 53.166 ms

Loss rate: 0.39%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 12:53:44

End at: 2018-04-17 12:54:14

Below is generated by plot.py at 2018-04-17 16:47:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.75 Mbit/s

95th percentile per-packet one-way delay: 56.038 ms

Loss rate: 0.30%

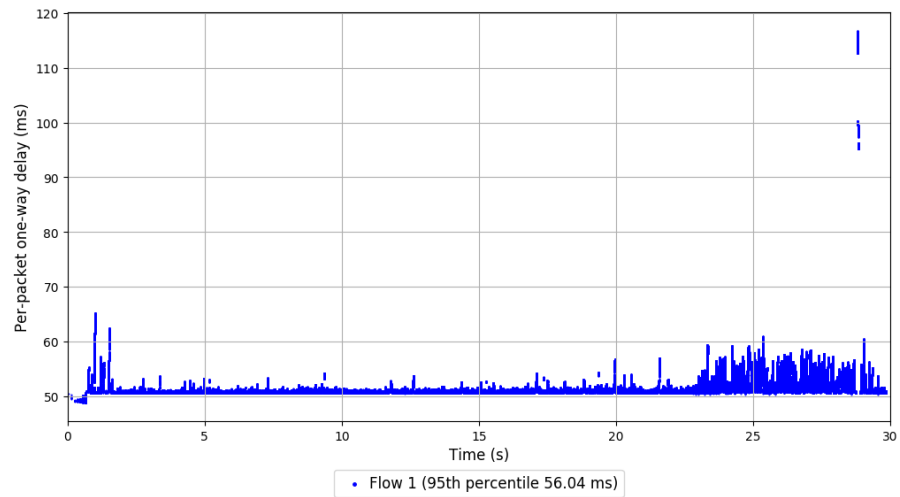
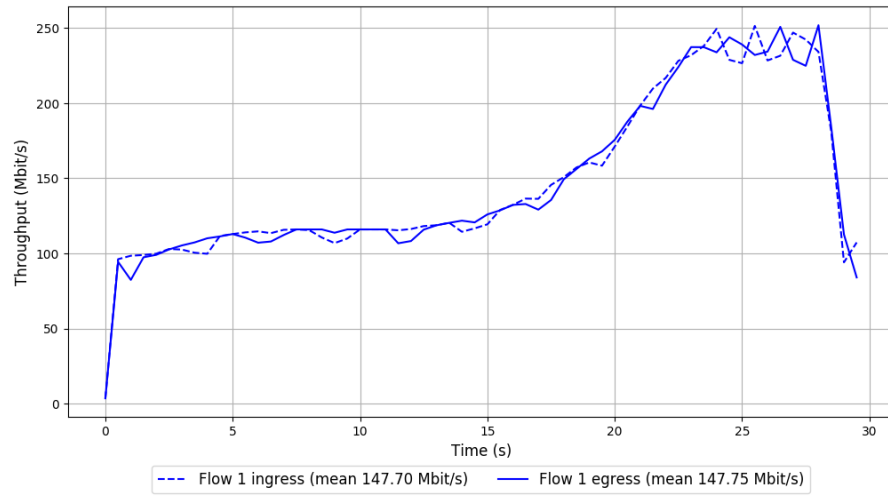
-- Flow 1:

Average throughput: 147.75 Mbit/s

95th percentile per-packet one-way delay: 56.038 ms

Loss rate: 0.30%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 13:06:41

End at: 2018-04-17 13:07:11

Below is generated by plot.py at 2018-04-17 16:47:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.43 Mbit/s

95th percentile per-packet one-way delay: 54.736 ms

Loss rate: 0.35%

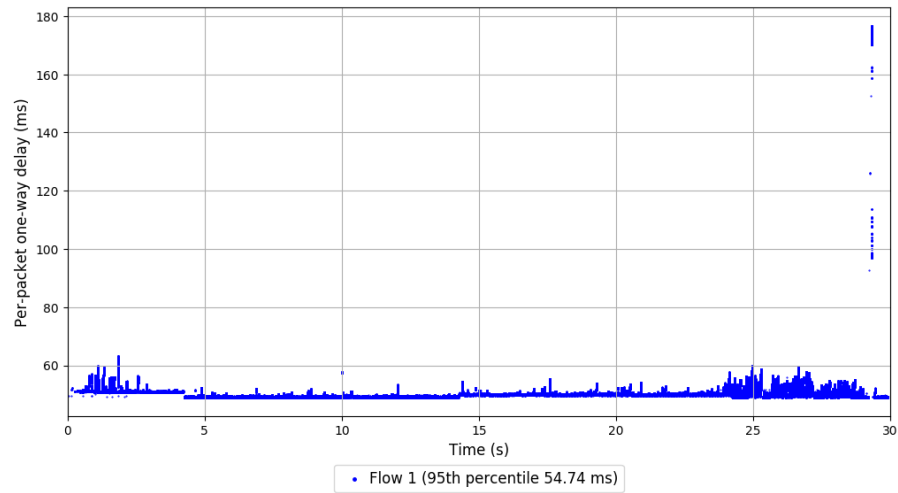
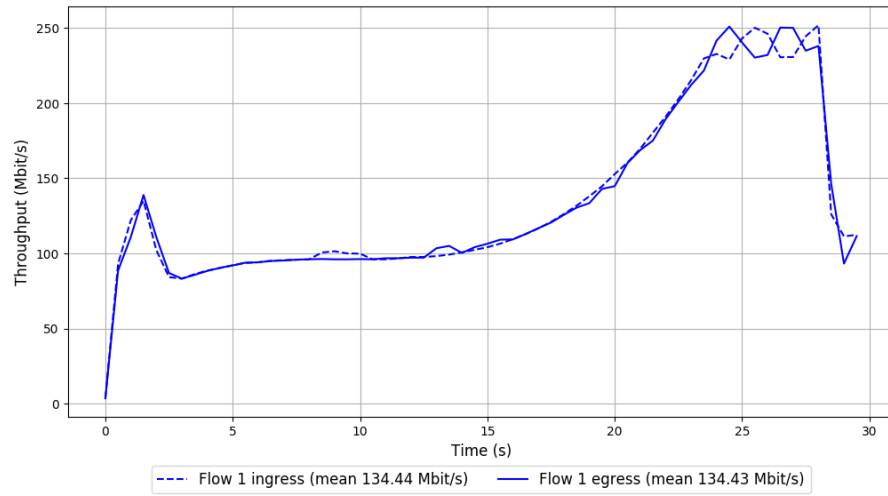
-- Flow 1:

Average throughput: 134.43 Mbit/s

95th percentile per-packet one-way delay: 54.736 ms

Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 13:19:38

End at: 2018-04-17 13:20:08

Below is generated by plot.py at 2018-04-17 16:47:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.20 Mbit/s

95th percentile per-packet one-way delay: 51.798 ms

Loss rate: 0.35%

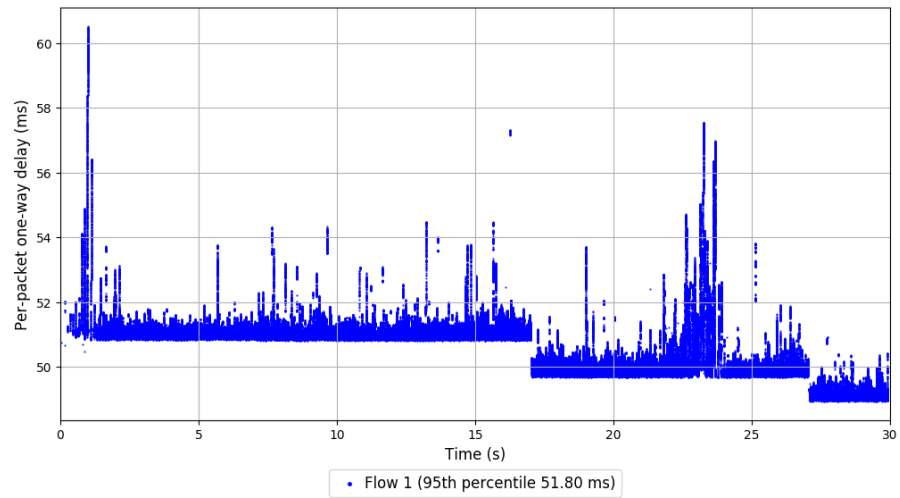
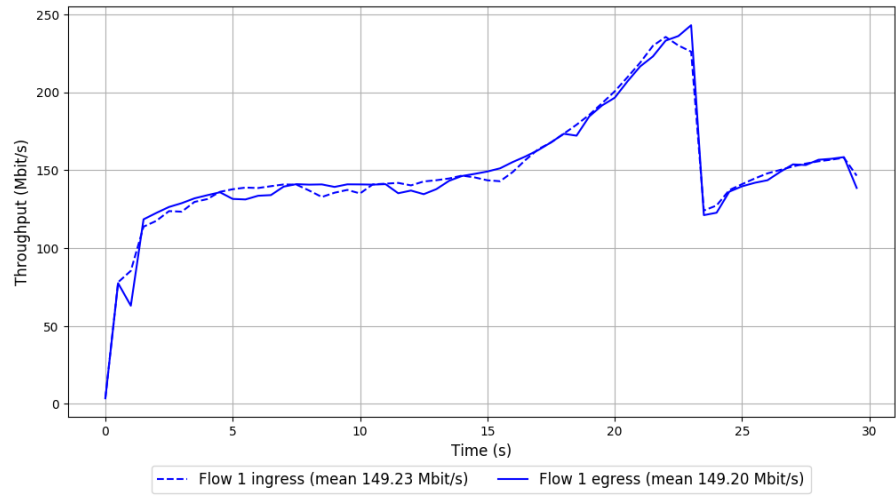
-- Flow 1:

Average throughput: 149.20 Mbit/s

95th percentile per-packet one-way delay: 51.798 ms

Loss rate: 0.35%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 13:32:37

End at: 2018-04-17 13:33:07

Below is generated by plot.py at 2018-04-17 16:47:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.66 Mbit/s

95th percentile per-packet one-way delay: 52.187 ms

Loss rate: 0.40%

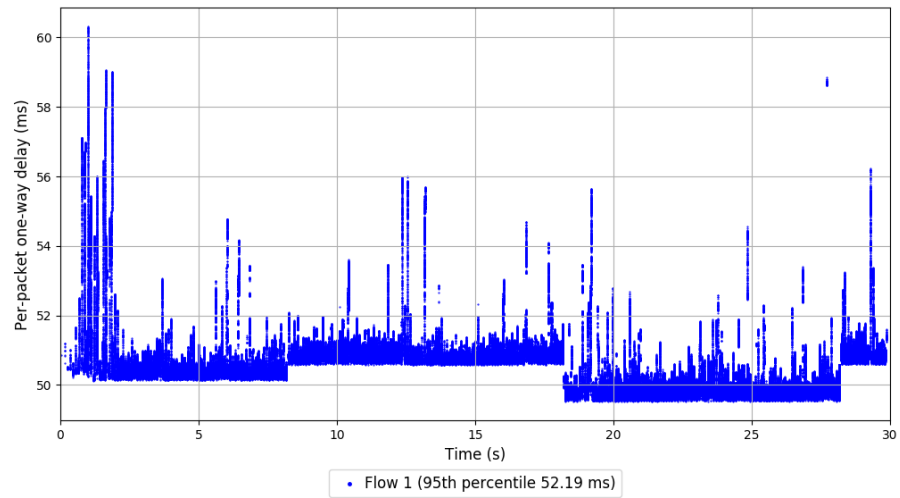
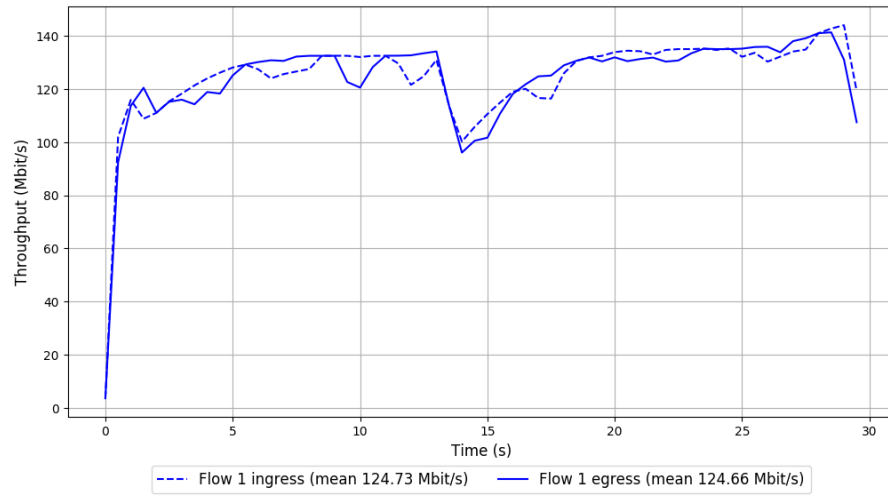
-- Flow 1:

Average throughput: 124.66 Mbit/s

95th percentile per-packet one-way delay: 52.187 ms

Loss rate: 0.40%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 13:45:37

End at: 2018-04-17 13:46:07

Below is generated by plot.py at 2018-04-17 16:48:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.83 Mbit/s

95th percentile per-packet one-way delay: 56.206 ms

Loss rate: 0.53%

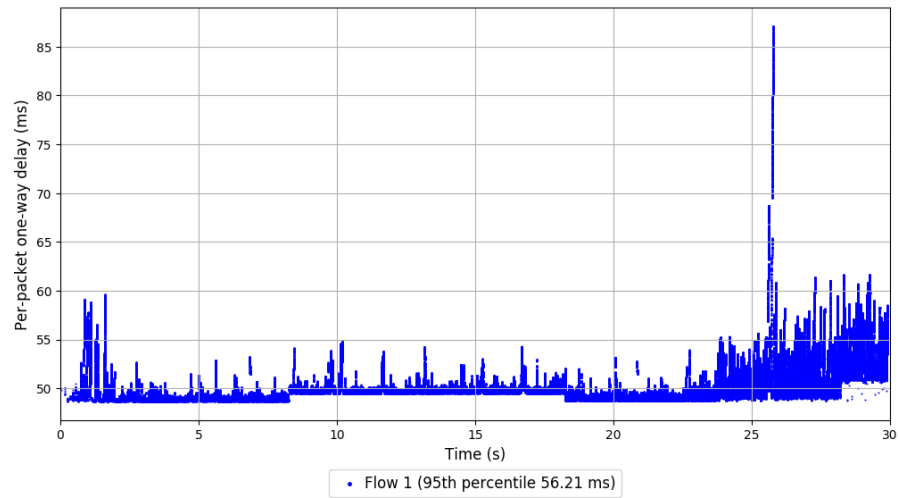
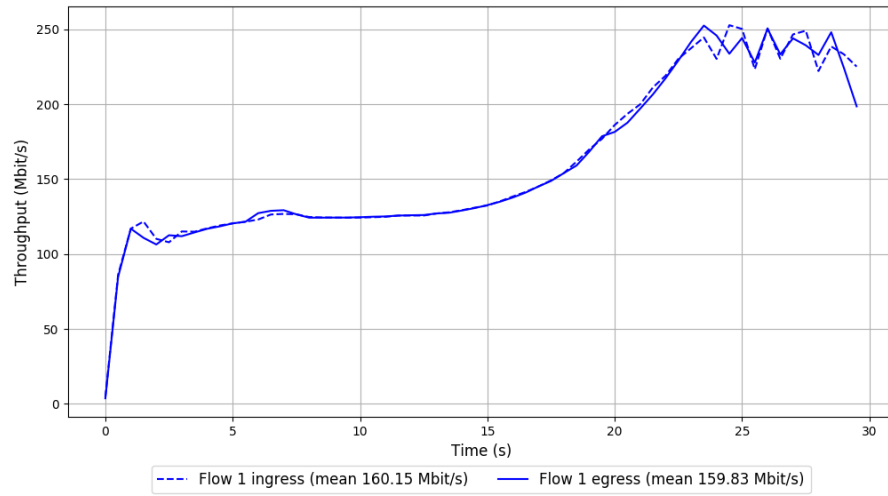
-- Flow 1:

Average throughput: 159.83 Mbit/s

95th percentile per-packet one-way delay: 56.206 ms

Loss rate: 0.53%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 13:58:38

End at: 2018-04-17 13:59:08

Below is generated by plot.py at 2018-04-17 16:48:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.62 Mbit/s

95th percentile per-packet one-way delay: 51.720 ms

Loss rate: 0.33%

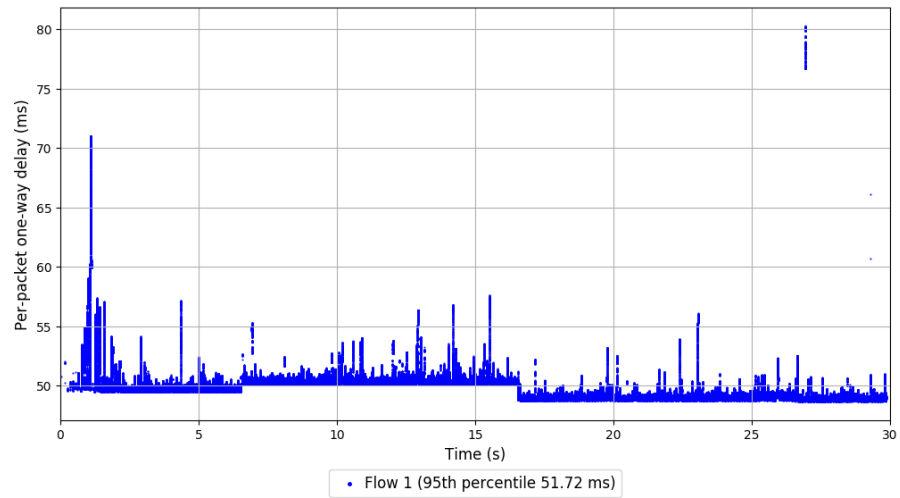
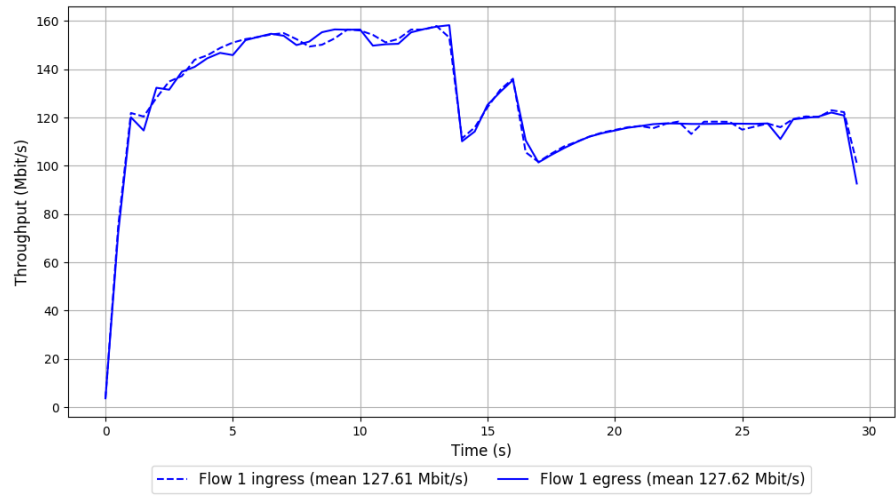
-- Flow 1:

Average throughput: 127.62 Mbit/s

95th percentile per-packet one-way delay: 51.720 ms

Loss rate: 0.33%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

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

End at: 2018-04-17 14:12:05

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.13 Mbit/s

95th percentile per-packet one-way delay: 56.000 ms

Loss rate: 0.27%

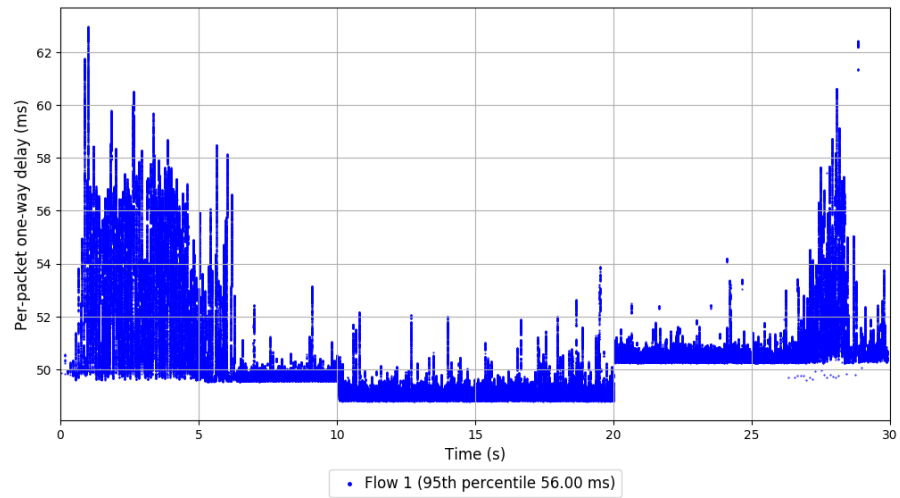
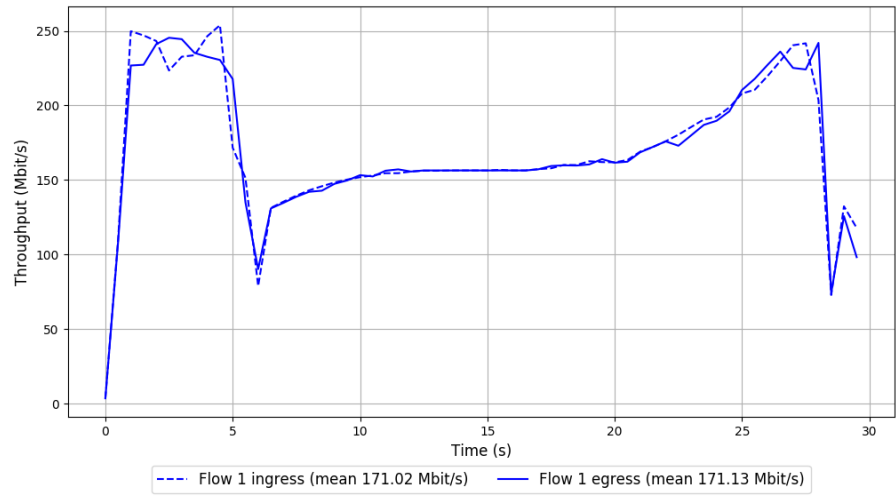
-- Flow 1:

Average throughput: 171.13 Mbit/s

95th percentile per-packet one-way delay: 56.000 ms

Loss rate: 0.27%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 14:24:39

End at: 2018-04-17 14:25:09

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.67 Mbit/s

95th percentile per-packet one-way delay: 57.131 ms

Loss rate: 0.21%

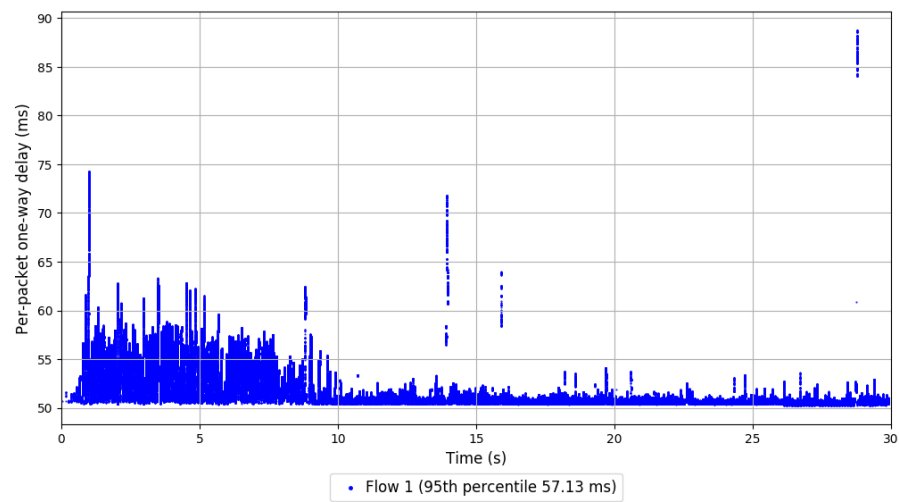
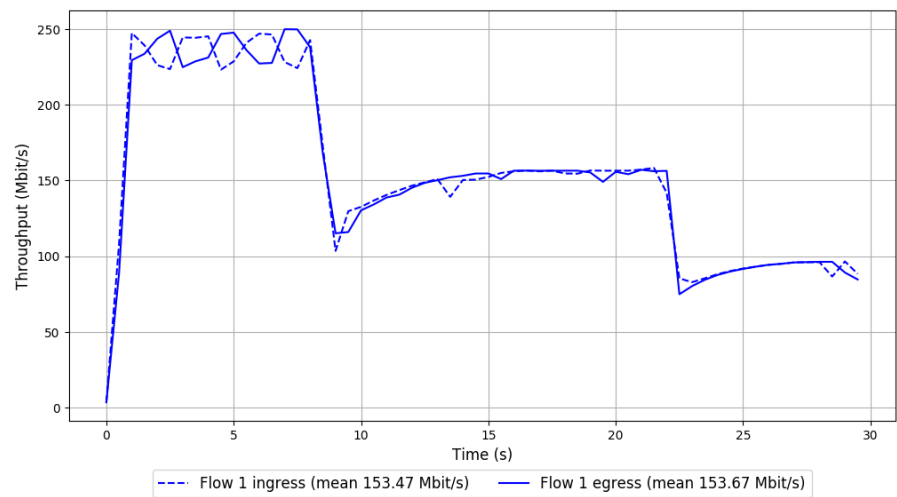
-- Flow 1:

Average throughput: 153.67 Mbit/s

95th percentile per-packet one-way delay: 57.131 ms

Loss rate: 0.21%

Run 10: Report of TCP Cubic — Data Link

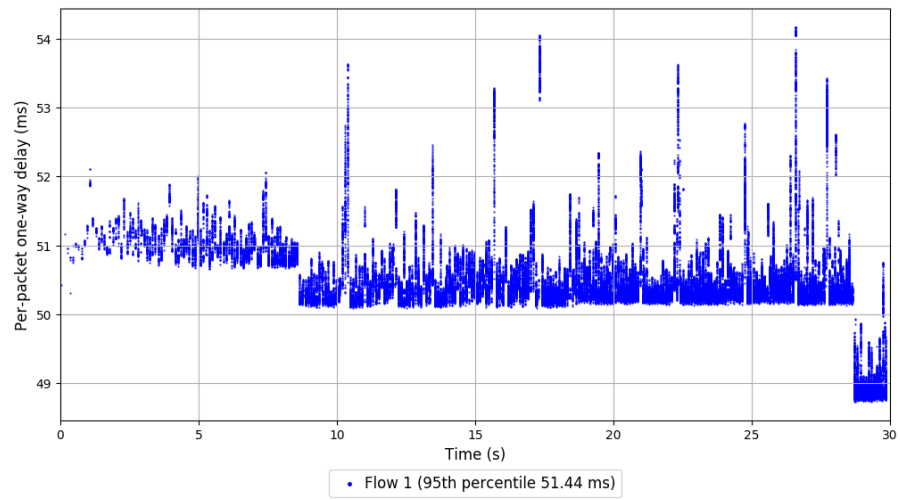
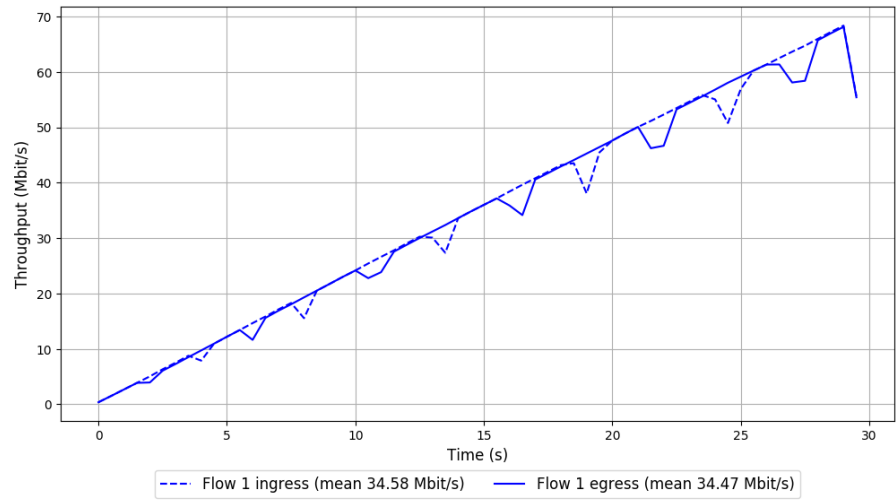


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 12:17:26
End at: 2018-04-17 12:17:56

# Below is generated by plot.py at 2018-04-17 16:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 51.439 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 51.439 ms
Loss rate: 0.68%
```

Run 1: Report of LEDBAT — Data Link

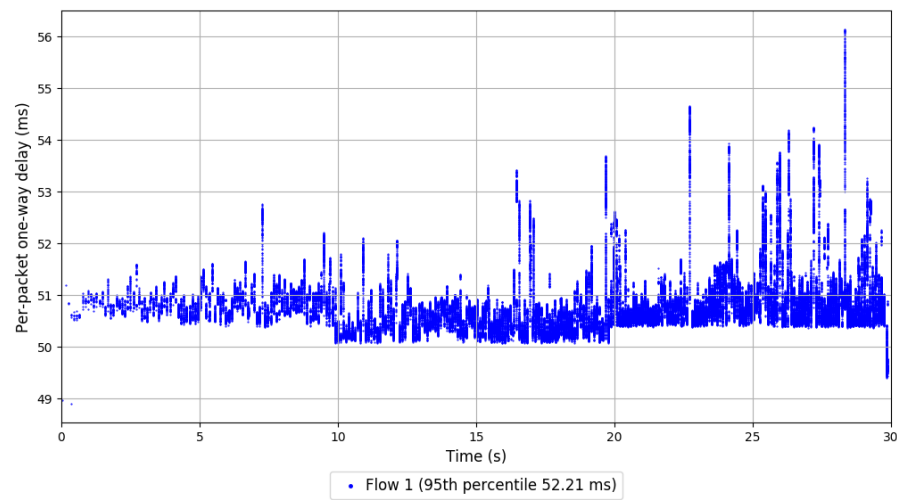
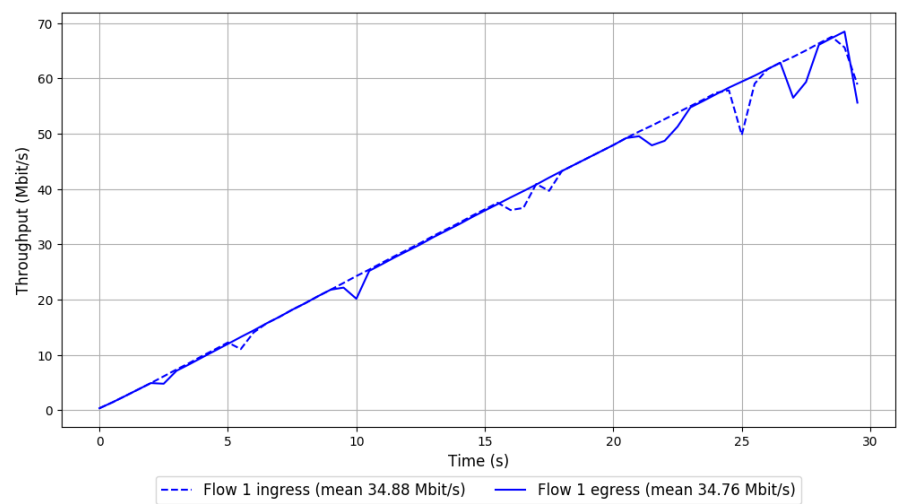


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-17 12:30:25
End at: 2018-04-17 12:30:55

# Below is generated by plot.py at 2018-04-17 16:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 52.209 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 52.209 ms
Loss rate: 0.67%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-17 12:43:21

End at: 2018-04-17 12:43:51

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 51.508 ms

Loss rate: 0.70%

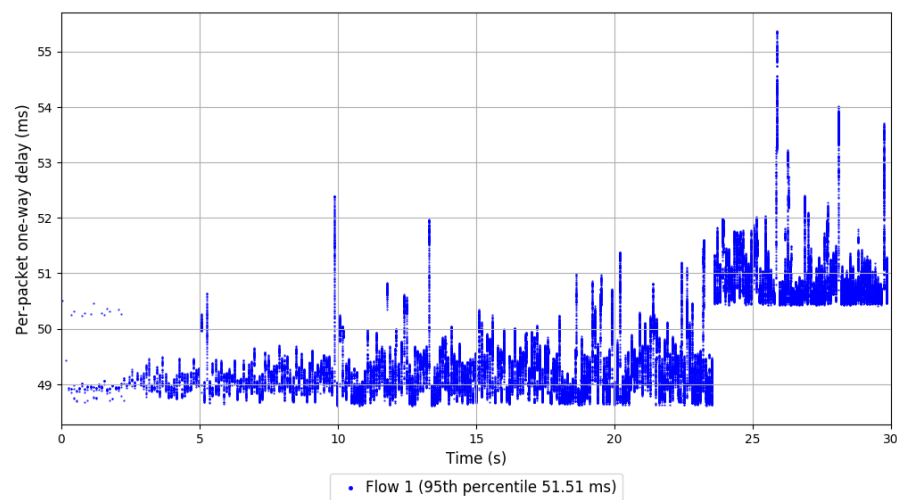
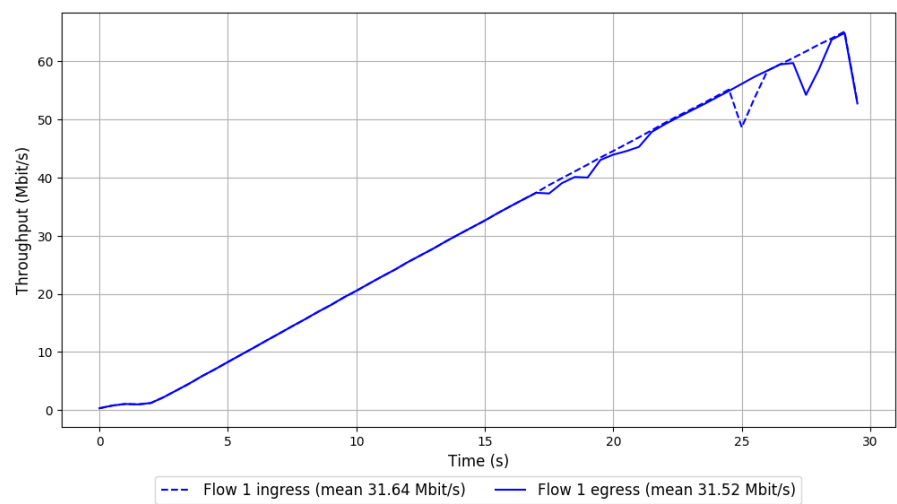
-- Flow 1:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 51.508 ms

Loss rate: 0.70%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-17 12:56:21

End at: 2018-04-17 12:56:51

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 52.140 ms

Loss rate: 0.68%

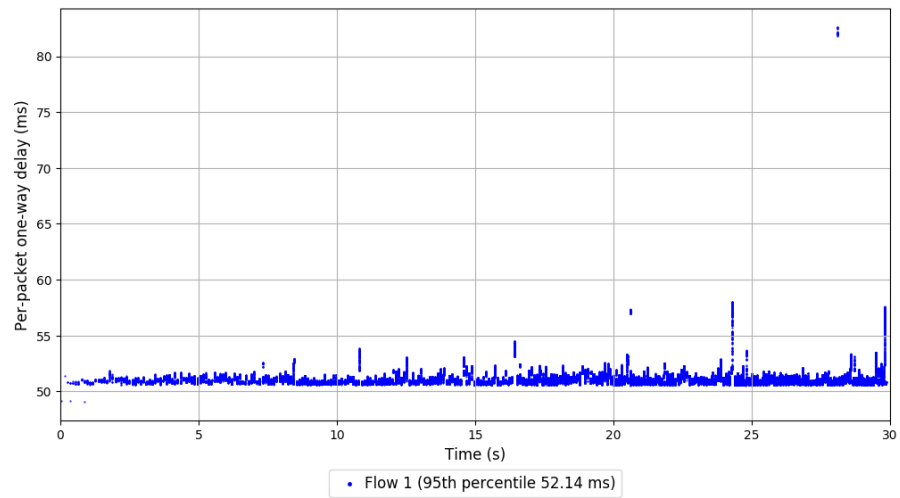
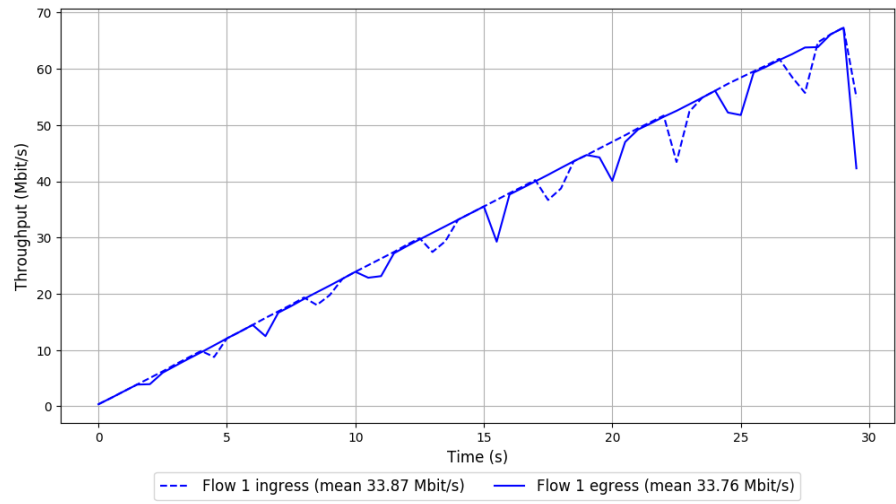
-- Flow 1:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 52.140 ms

Loss rate: 0.68%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 13:09:17

End at: 2018-04-17 13:09:47

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.37 Mbit/s

95th percentile per-packet one-way delay: 51.674 ms

Loss rate: 0.67%

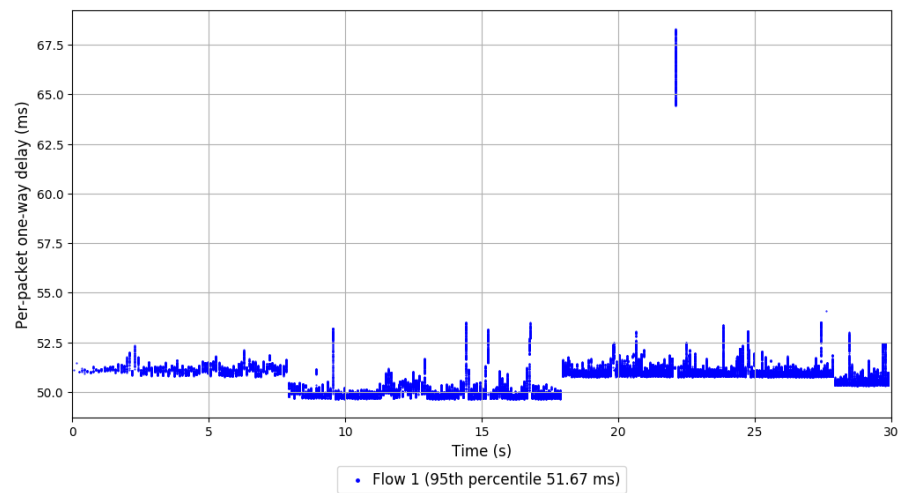
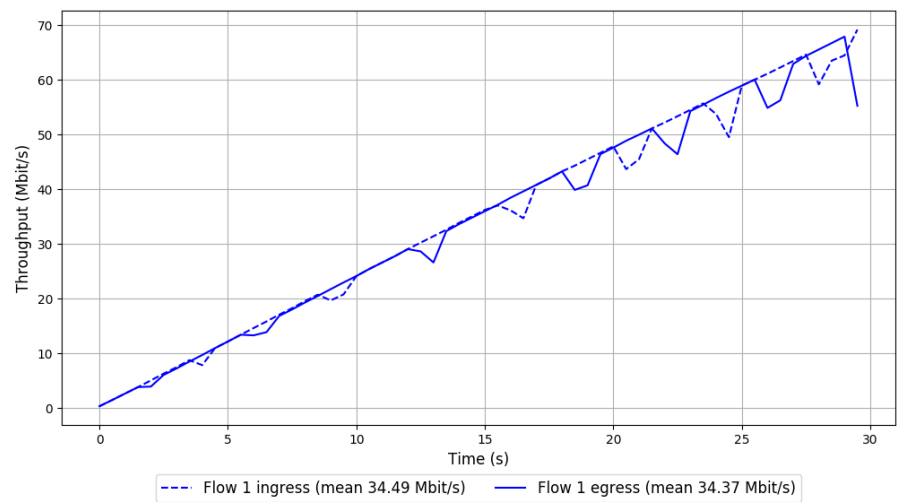
-- Flow 1:

Average throughput: 34.37 Mbit/s

95th percentile per-packet one-way delay: 51.674 ms

Loss rate: 0.67%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 13:22:16

End at: 2018-04-17 13:22:46

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.34 Mbit/s

95th percentile per-packet one-way delay: 51.621 ms

Loss rate: 0.92%

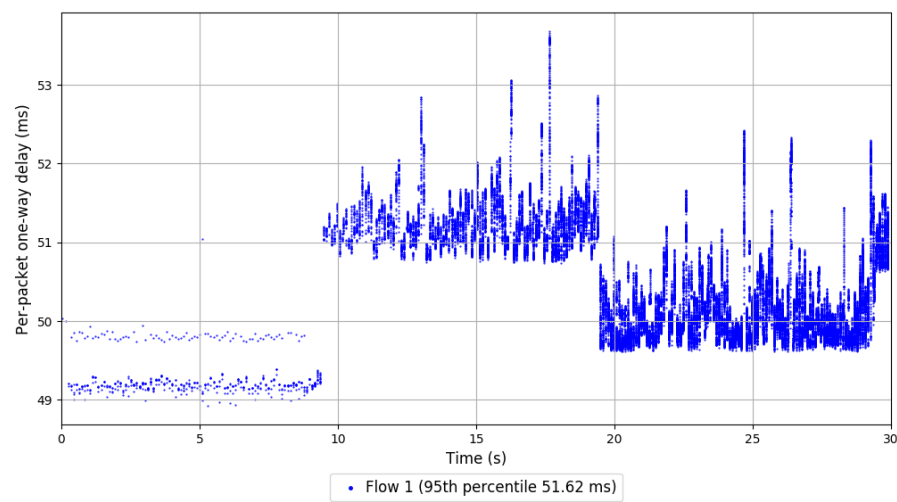
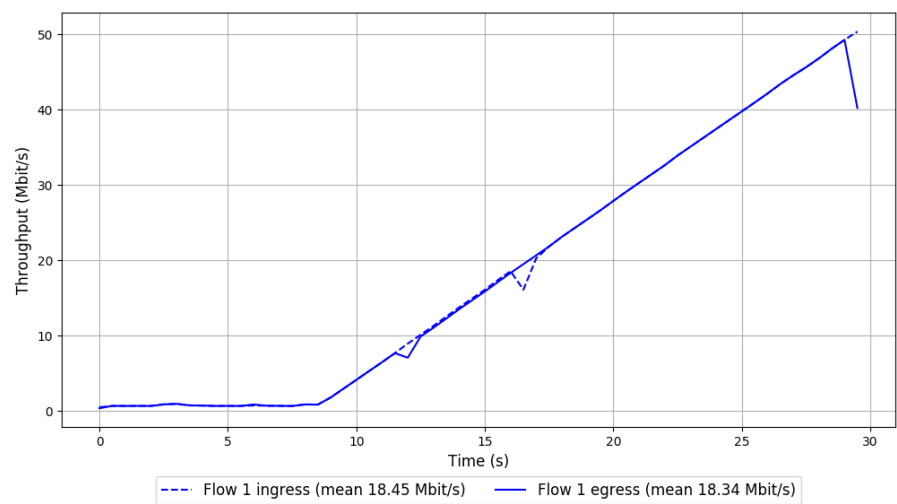
-- Flow 1:

Average throughput: 18.34 Mbit/s

95th percentile per-packet one-way delay: 51.621 ms

Loss rate: 0.92%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-17 13:35:13

End at: 2018-04-17 13:35:43

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 51.535 ms

Loss rate: 0.67%

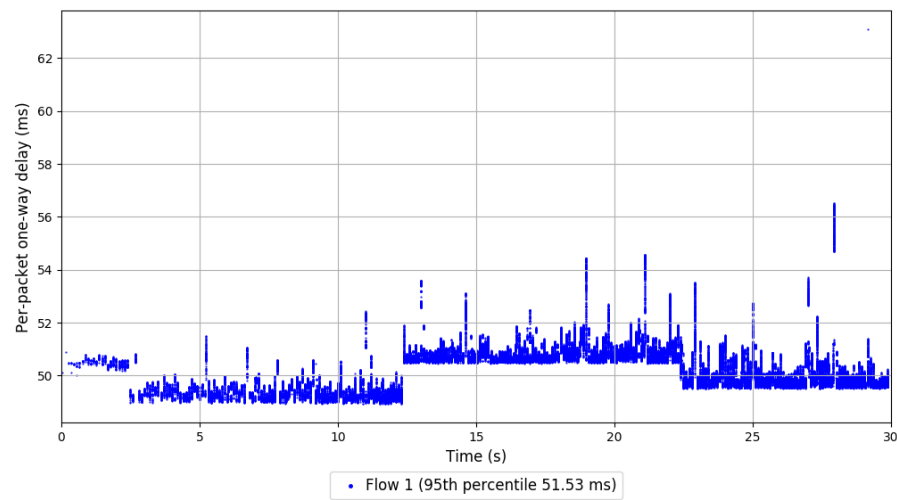
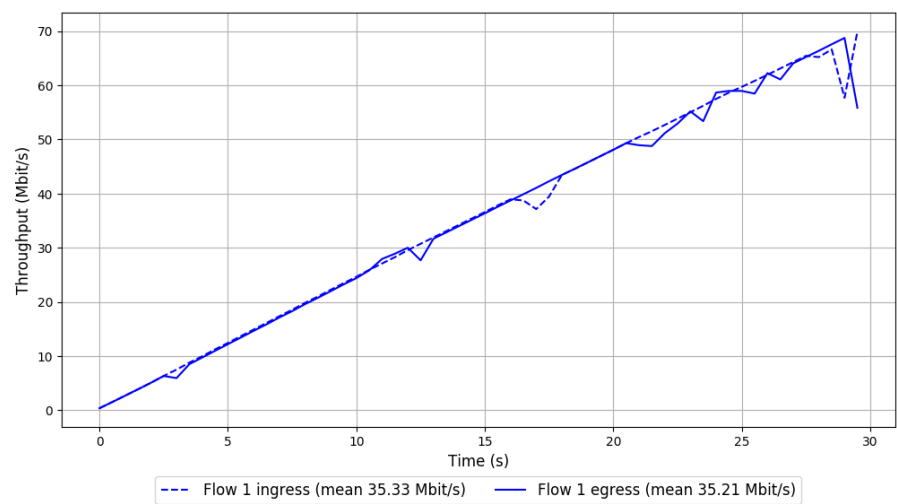
-- Flow 1:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 51.535 ms

Loss rate: 0.67%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-17 13:48:15

End at: 2018-04-17 13:48:45

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.64 Mbit/s

95th percentile per-packet one-way delay: 50.722 ms

Loss rate: 0.68%

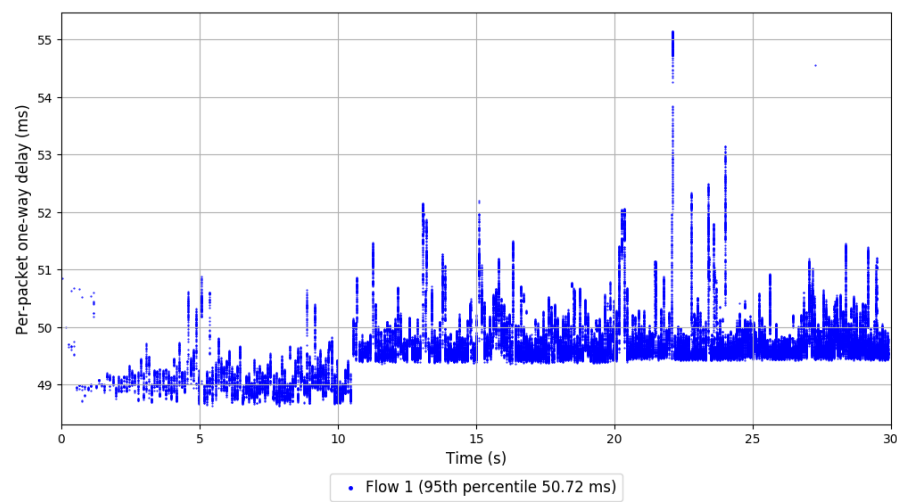
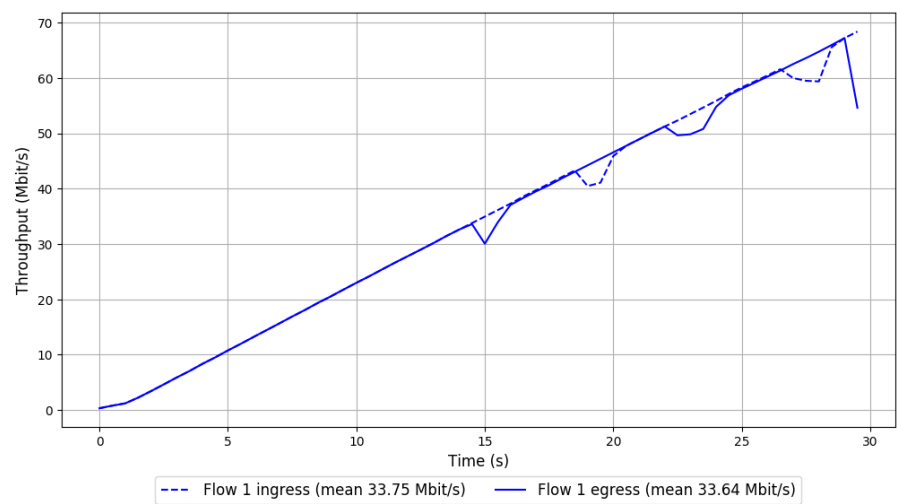
-- Flow 1:

Average throughput: 33.64 Mbit/s

95th percentile per-packet one-way delay: 50.722 ms

Loss rate: 0.68%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-17 14:01:12

End at: 2018-04-17 14:01:42

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.49 Mbit/s

95th percentile per-packet one-way delay: 50.928 ms

Loss rate: 1.07%

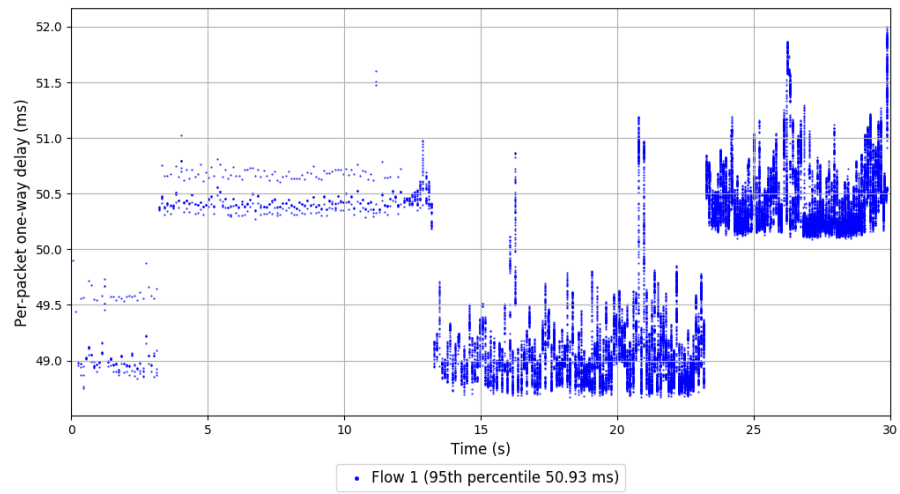
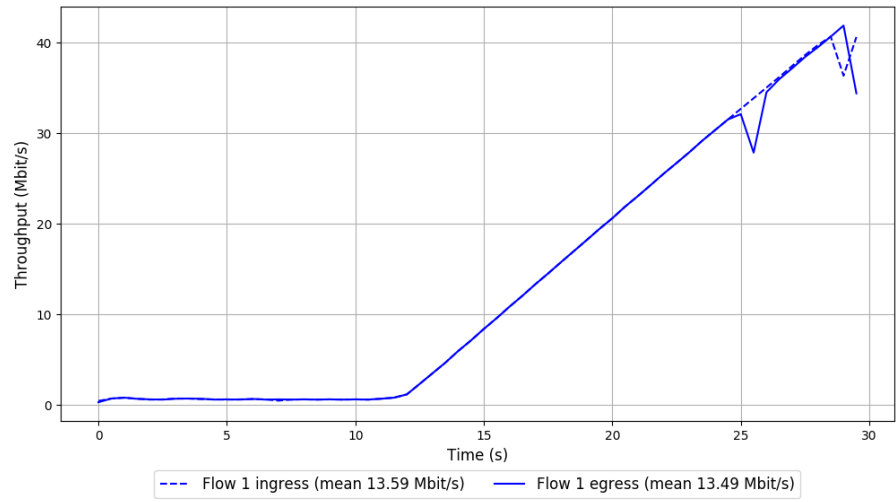
-- Flow 1:

Average throughput: 13.49 Mbit/s

95th percentile per-packet one-way delay: 50.928 ms

Loss rate: 1.07%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

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

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

Below is generated by plot.py at 2018-04-17 16:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.36 Mbit/s

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

Loss rate: 0.67%

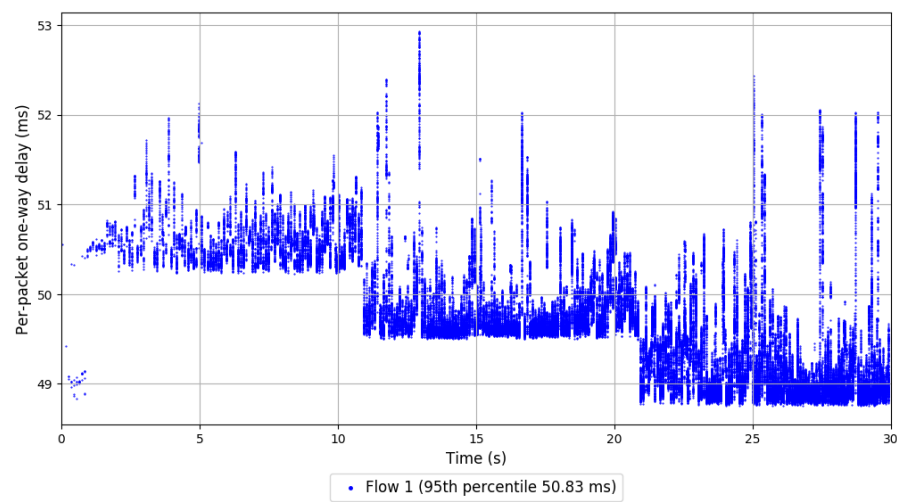
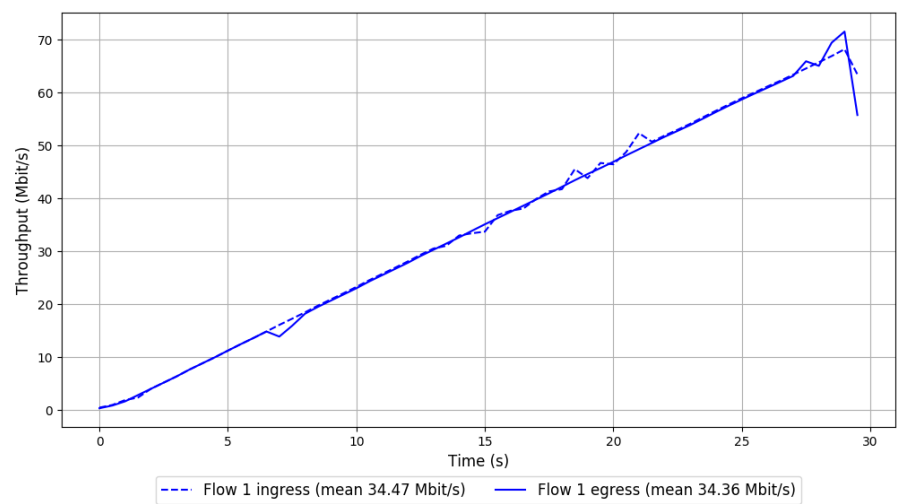
-- Flow 1:

Average throughput: 34.36 Mbit/s

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

Loss rate: 0.67%

Run 10: Report of LEDBAT — Data Link

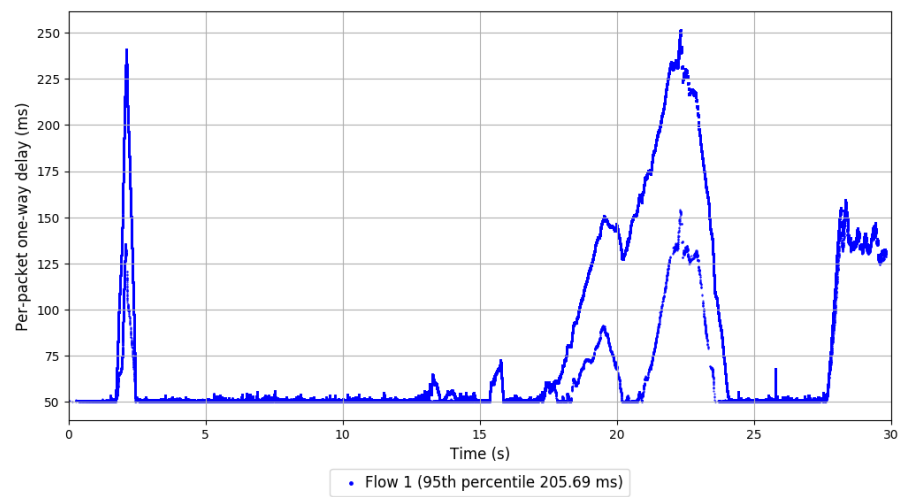
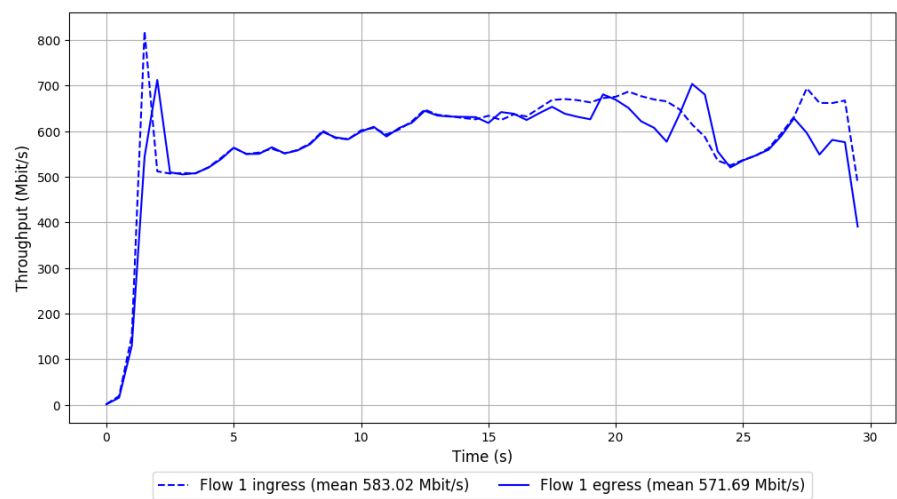


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 12:28:32
End at: 2018-04-17 12:29:02

# Below is generated by plot.py at 2018-04-17 16:58:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 571.69 Mbit/s
95th percentile per-packet one-way delay: 205.685 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 571.69 Mbit/s
95th percentile per-packet one-way delay: 205.685 ms
Loss rate: 2.28%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 12:41:30

End at: 2018-04-17 12:42:00

Below is generated by plot.py at 2018-04-17 16:58:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 555.01 Mbit/s

95th percentile per-packet one-way delay: 137.030 ms

Loss rate: 0.61%

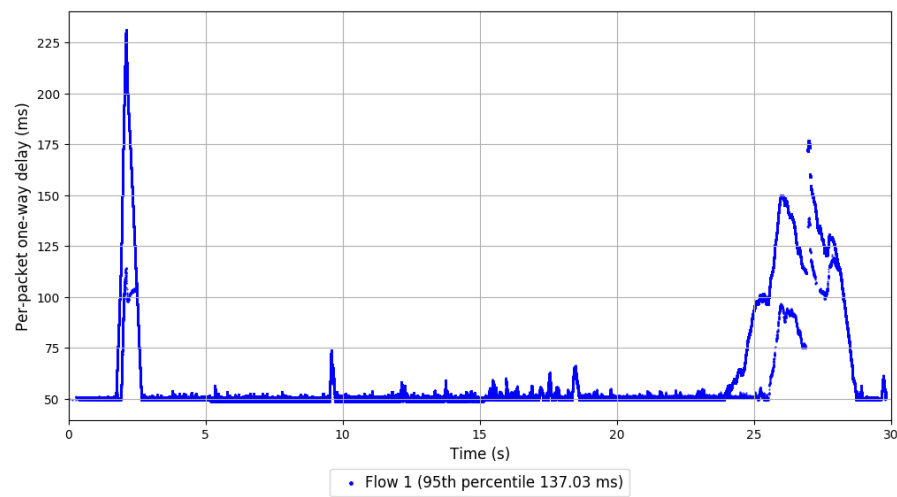
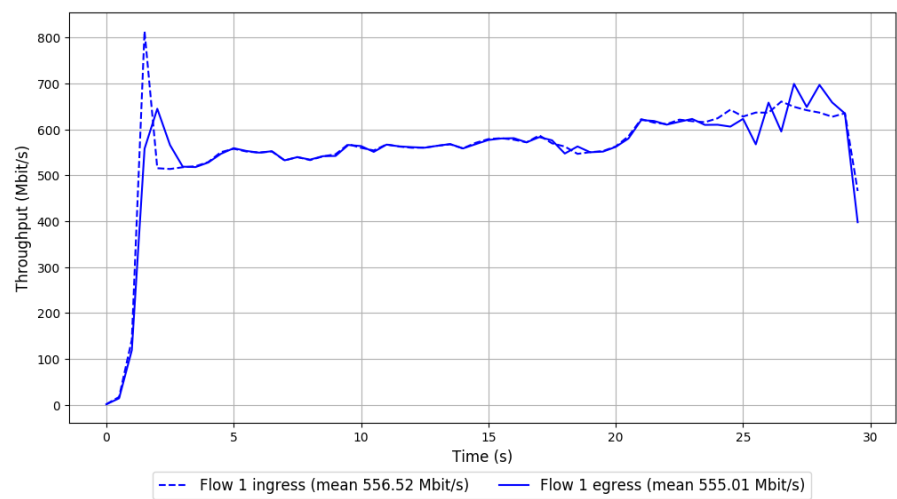
-- Flow 1:

Average throughput: 555.01 Mbit/s

95th percentile per-packet one-way delay: 137.030 ms

Loss rate: 0.61%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 12:54:28

End at: 2018-04-17 12:54:58

Below is generated by plot.py at 2018-04-17 16:58:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 577.86 Mbit/s

95th percentile per-packet one-way delay: 124.384 ms

Loss rate: 0.35%

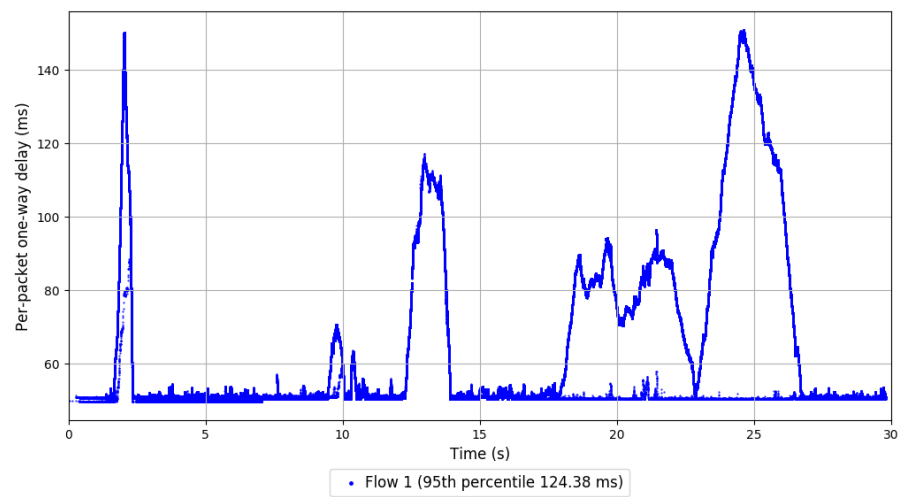
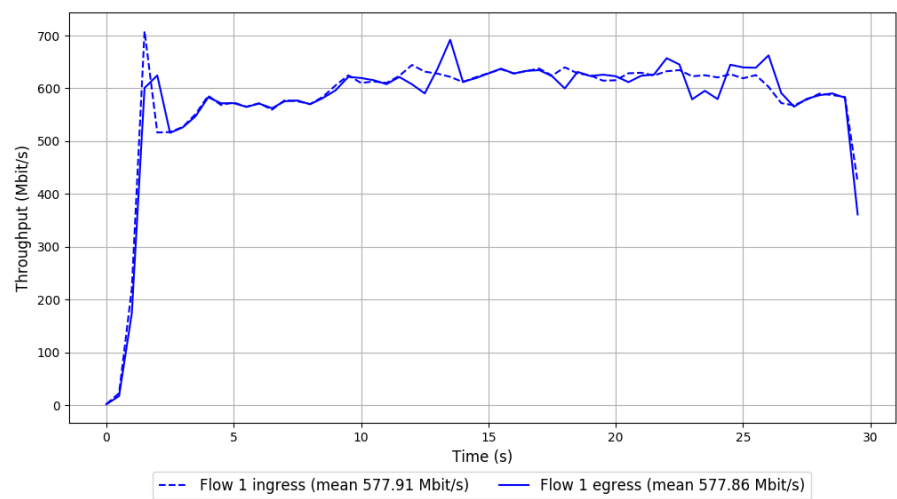
-- Flow 1:

Average throughput: 577.86 Mbit/s

95th percentile per-packet one-way delay: 124.384 ms

Loss rate: 0.35%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

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

End at: 2018-04-17 13:07:54

Below is generated by plot.py at 2018-04-17 16:58:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 588.24 Mbit/s

95th percentile per-packet one-way delay: 148.005 ms

Loss rate: 0.39%

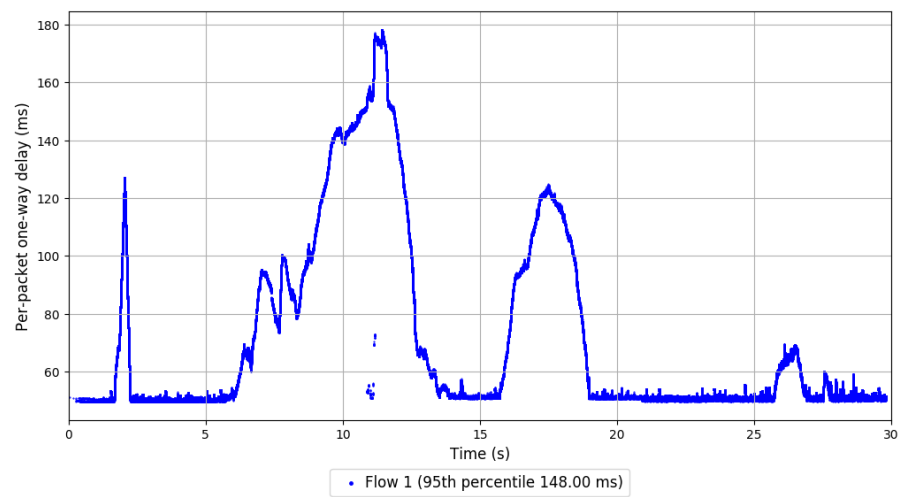
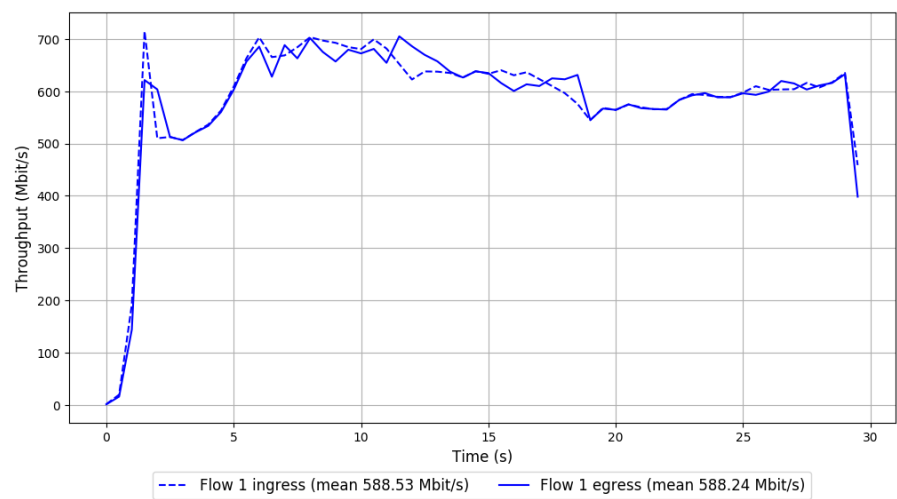
-- Flow 1:

Average throughput: 588.24 Mbit/s

95th percentile per-packet one-way delay: 148.005 ms

Loss rate: 0.39%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 13:20:22

End at: 2018-04-17 13:20:52

Below is generated by plot.py at 2018-04-17 16:58:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 584.49 Mbit/s

95th percentile per-packet one-way delay: 172.896 ms

Loss rate: 2.01%

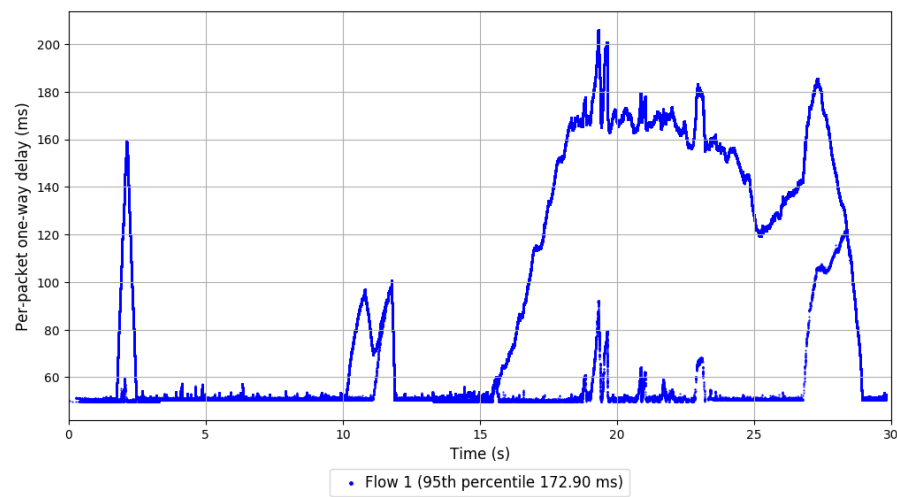
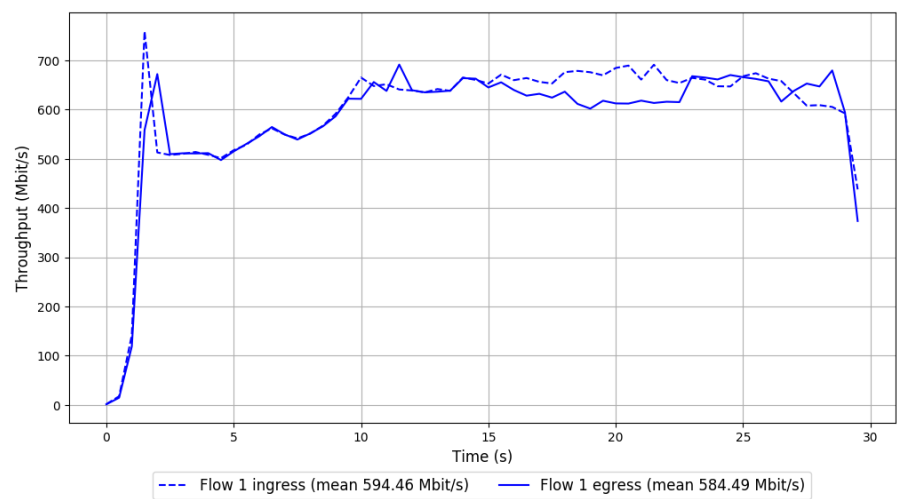
-- Flow 1:

Average throughput: 584.49 Mbit/s

95th percentile per-packet one-way delay: 172.896 ms

Loss rate: 2.01%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 13:33:19

End at: 2018-04-17 13:33:49

Below is generated by plot.py at 2018-04-17 16:58:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 553.91 Mbit/s

95th percentile per-packet one-way delay: 184.612 ms

Loss rate: 0.99%

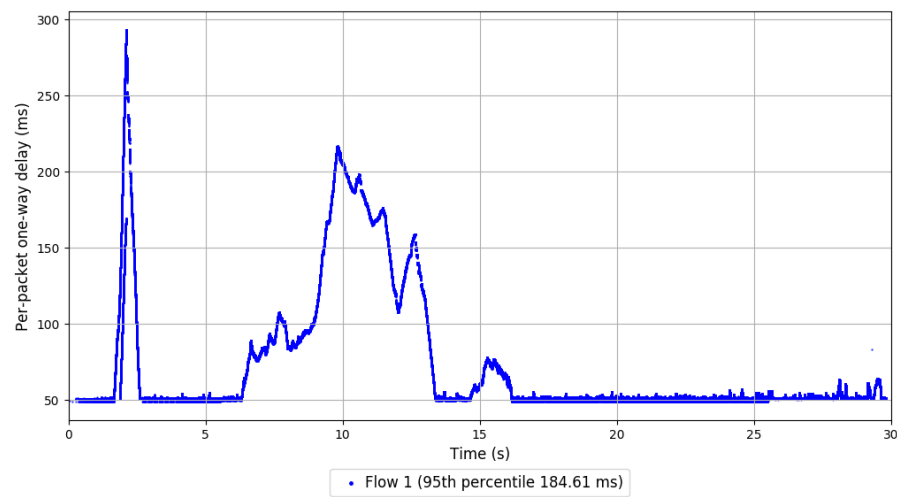
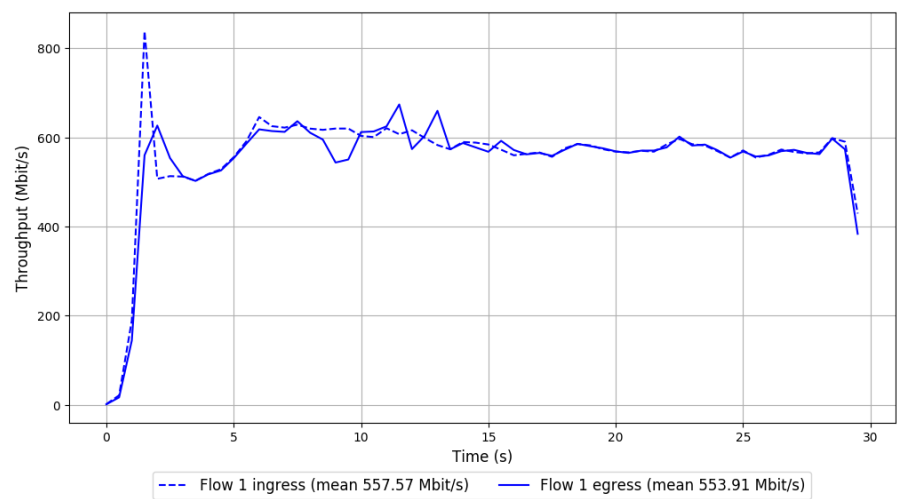
-- Flow 1:

Average throughput: 553.91 Mbit/s

95th percentile per-packet one-way delay: 184.612 ms

Loss rate: 0.99%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 13:46:21

End at: 2018-04-17 13:46:51

Below is generated by plot.py at 2018-04-17 16:58:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.38 Mbit/s

95th percentile per-packet one-way delay: 82.680 ms

Loss rate: 0.49%

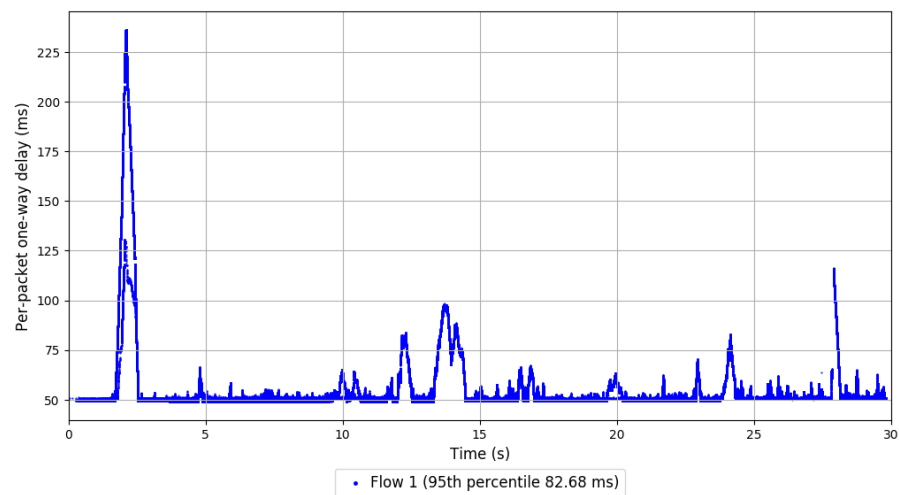
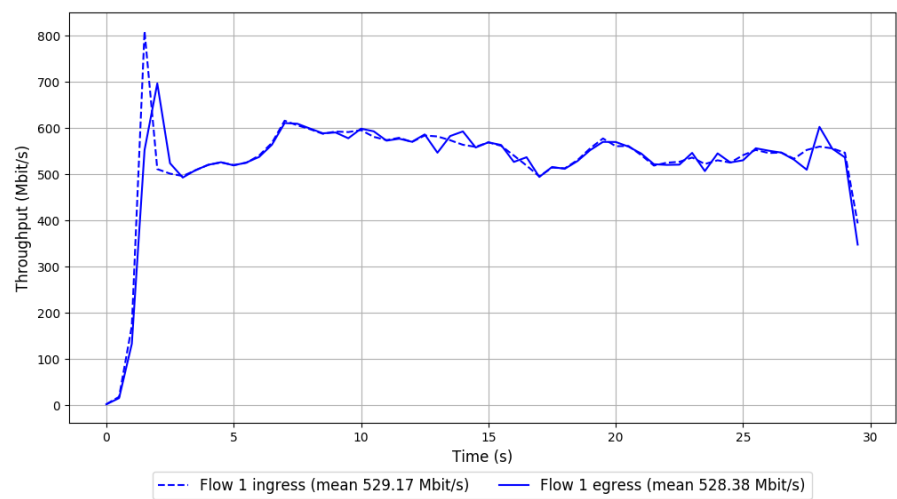
-- Flow 1:

Average throughput: 528.38 Mbit/s

95th percentile per-packet one-way delay: 82.680 ms

Loss rate: 0.49%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 13:59:21

End at: 2018-04-17 13:59:51

Below is generated by plot.py at 2018-04-17 16:58:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 570.67 Mbit/s

95th percentile per-packet one-way delay: 104.308 ms

Loss rate: 0.68%

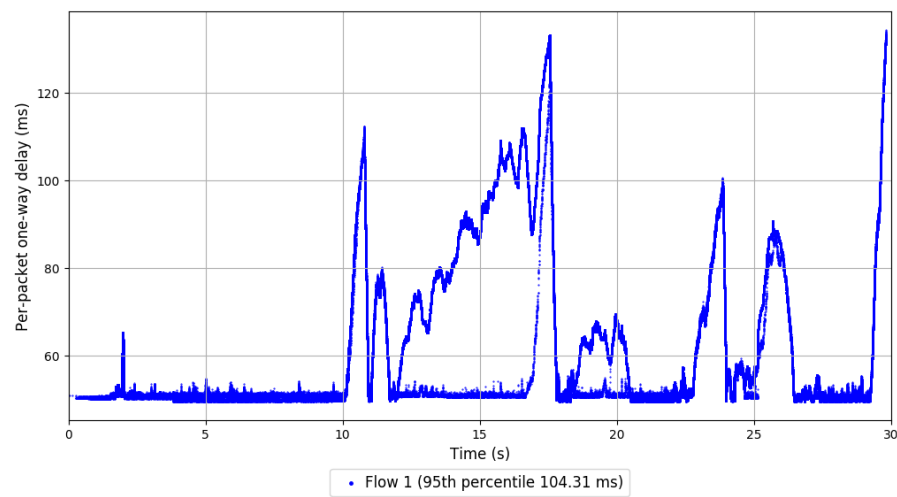
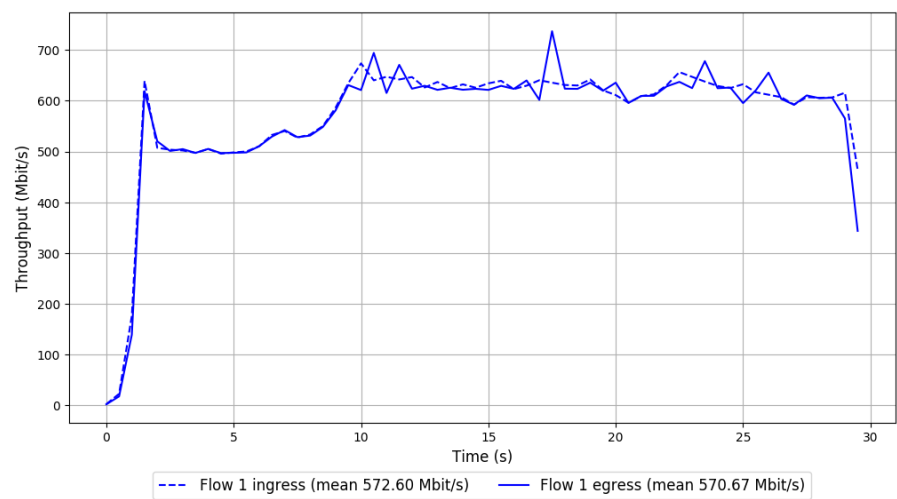
-- Flow 1:

Average throughput: 570.67 Mbit/s

95th percentile per-packet one-way delay: 104.308 ms

Loss rate: 0.68%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 14:12:20

End at: 2018-04-17 14:12:50

Below is generated by plot.py at 2018-04-17 17:07:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.22 Mbit/s

95th percentile per-packet one-way delay: 123.320 ms

Loss rate: 0.93%

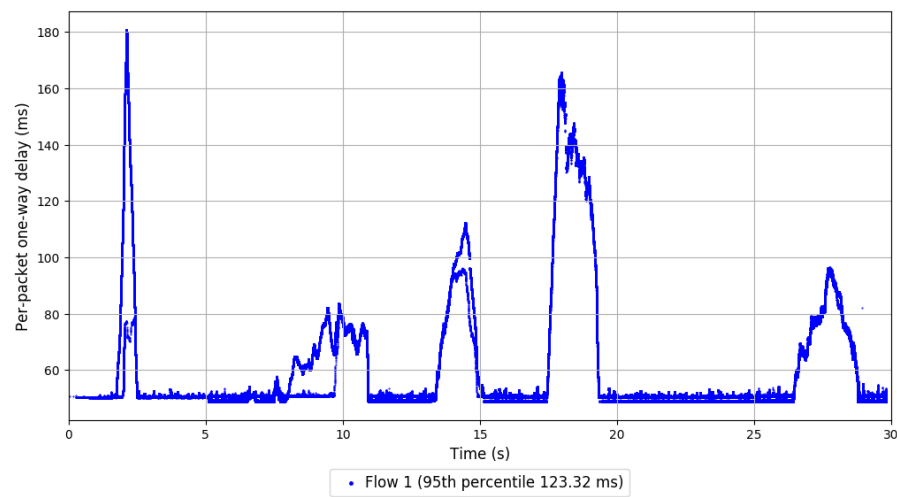
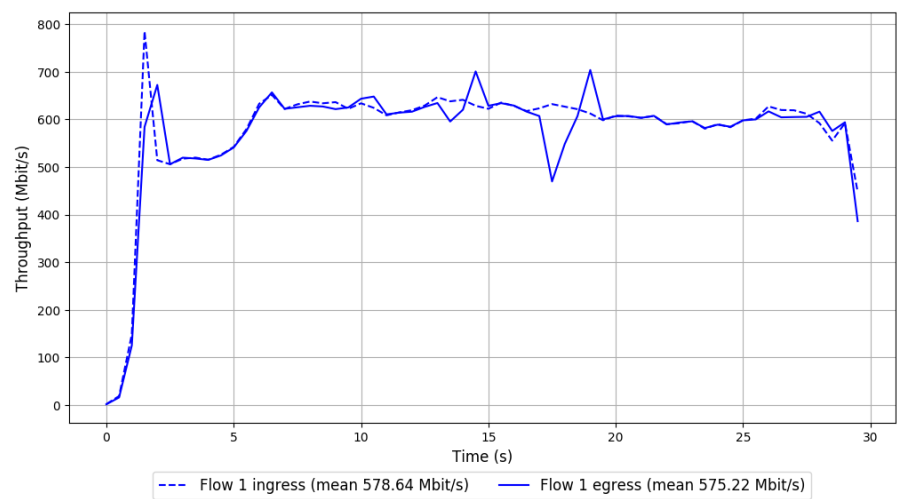
-- Flow 1:

Average throughput: 575.22 Mbit/s

95th percentile per-packet one-way delay: 123.320 ms

Loss rate: 0.93%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 14:25:23

End at: 2018-04-17 14:25:53

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 564.13 Mbit/s

95th percentile per-packet one-way delay: 65.434 ms

Loss rate: 0.41%

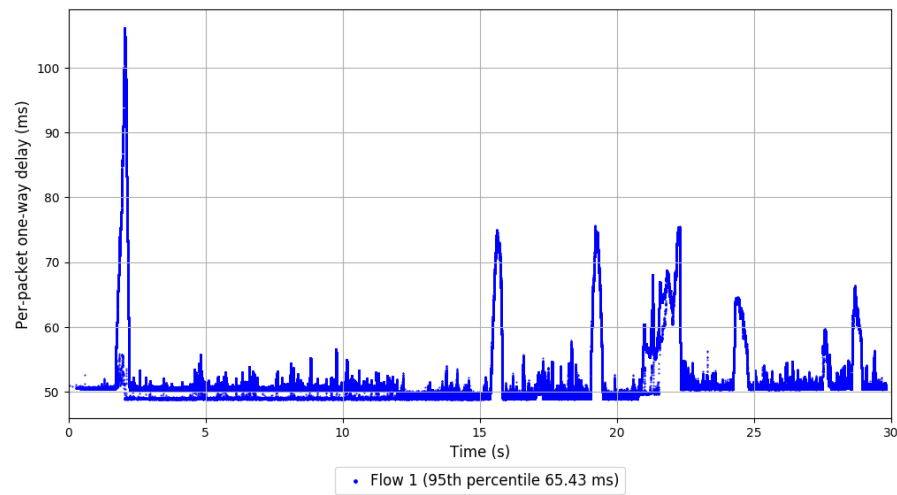
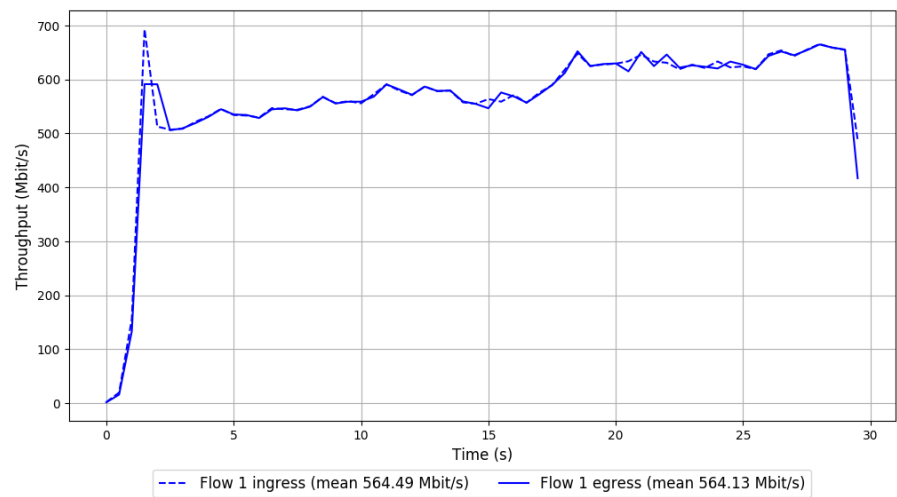
-- Flow 1:

Average throughput: 564.13 Mbit/s

95th percentile per-packet one-way delay: 65.434 ms

Loss rate: 0.41%

Run 10: Report of PCC-Allegro — Data Link

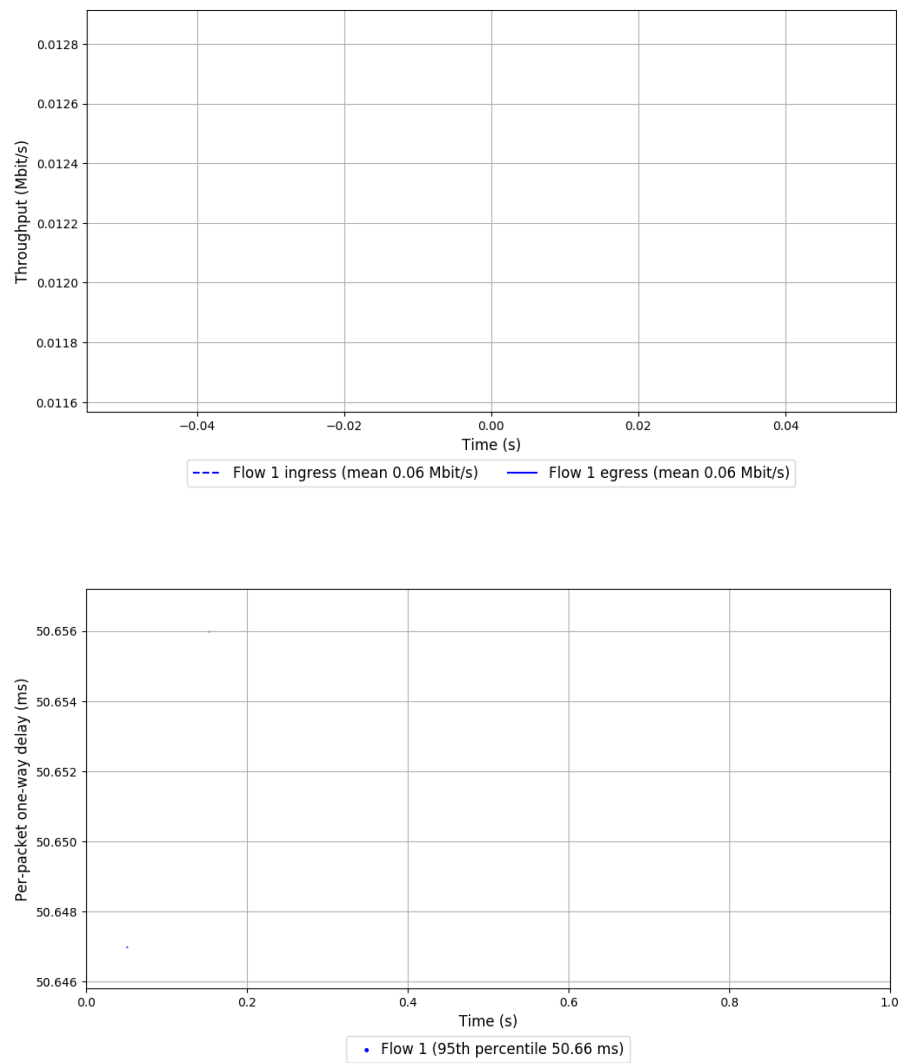


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 12:20:59

End at: 2018-04-17 12:21:29

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 12:33:59

End at: 2018-04-17 12:34:29

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.23 Mbit/s

95th percentile per-packet one-way delay: 50.414 ms

Loss rate: 0.59%

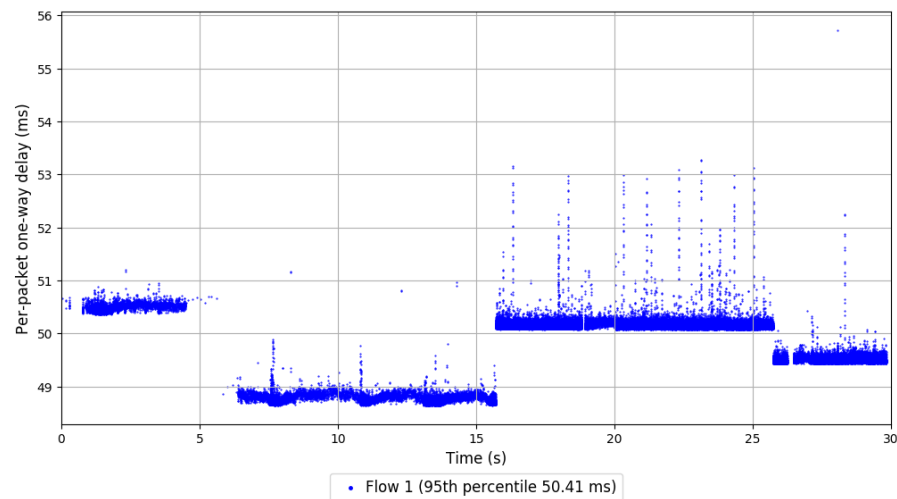
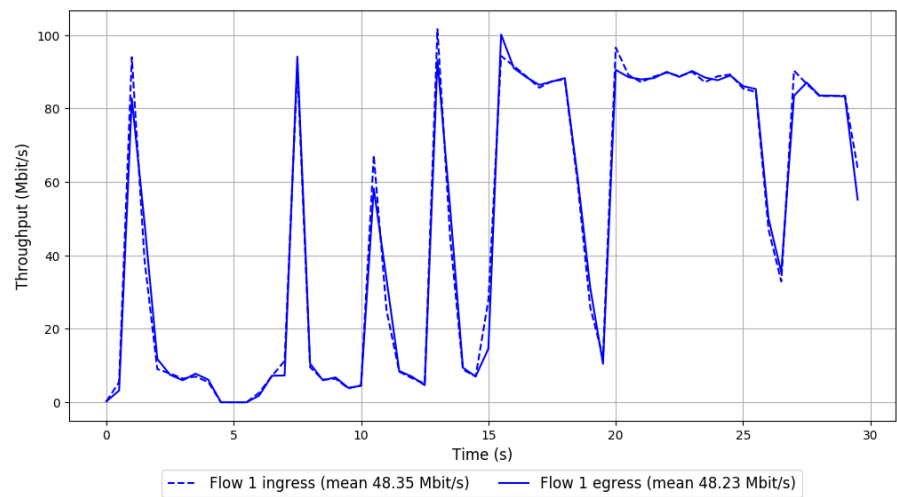
-- Flow 1:

Average throughput: 48.23 Mbit/s

95th percentile per-packet one-way delay: 50.414 ms

Loss rate: 0.59%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 12:46:53

End at: 2018-04-17 12:47:24

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 50.206 ms

Loss rate: 0.50%

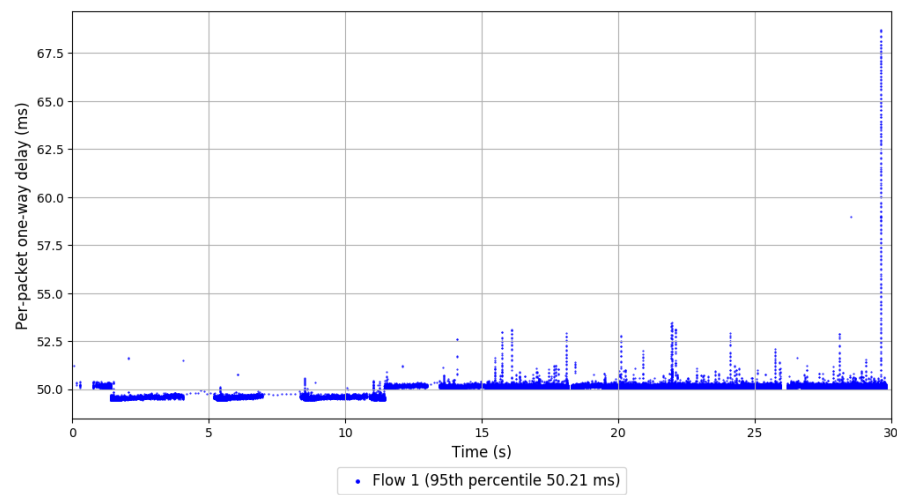
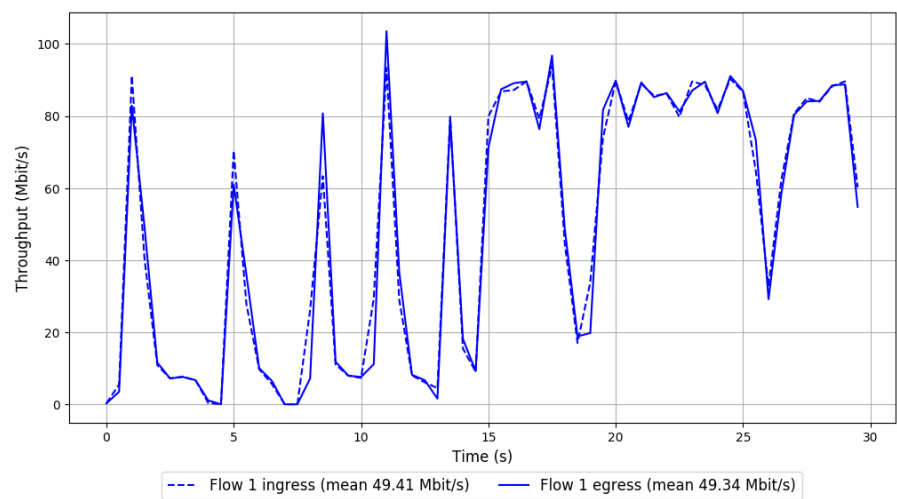
-- Flow 1:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 50.206 ms

Loss rate: 0.50%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 12:59:51

End at: 2018-04-17 13:00:21

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.86 Mbit/s

95th percentile per-packet one-way delay: 50.930 ms

Loss rate: 0.45%

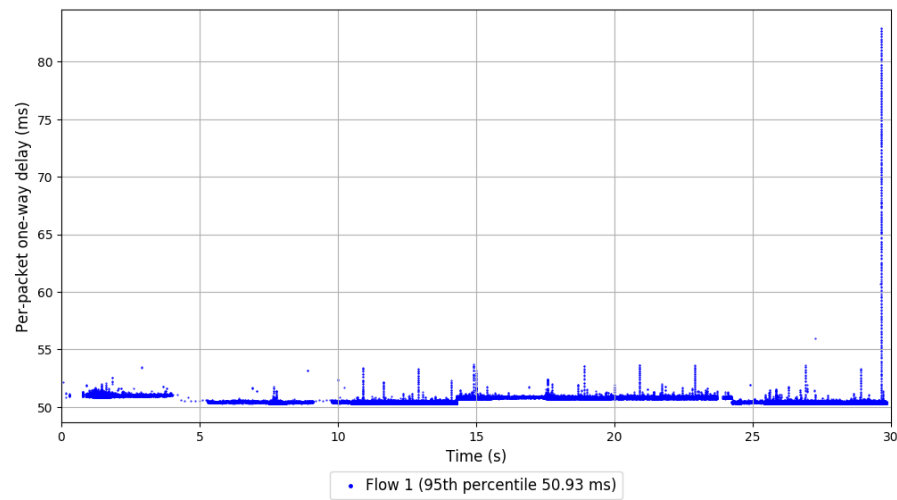
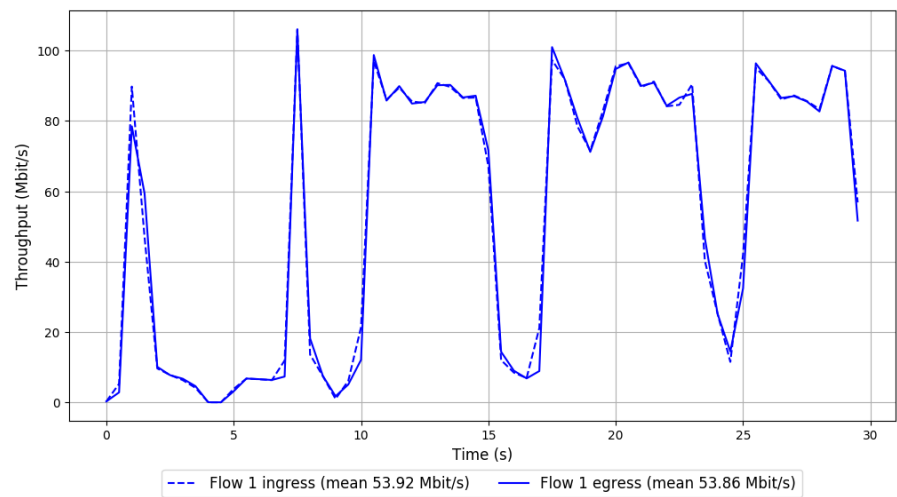
-- Flow 1:

Average throughput: 53.86 Mbit/s

95th percentile per-packet one-way delay: 50.930 ms

Loss rate: 0.45%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 13:12:47

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

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.92 Mbit/s

95th percentile per-packet one-way delay: 50.987 ms

Loss rate: 0.57%

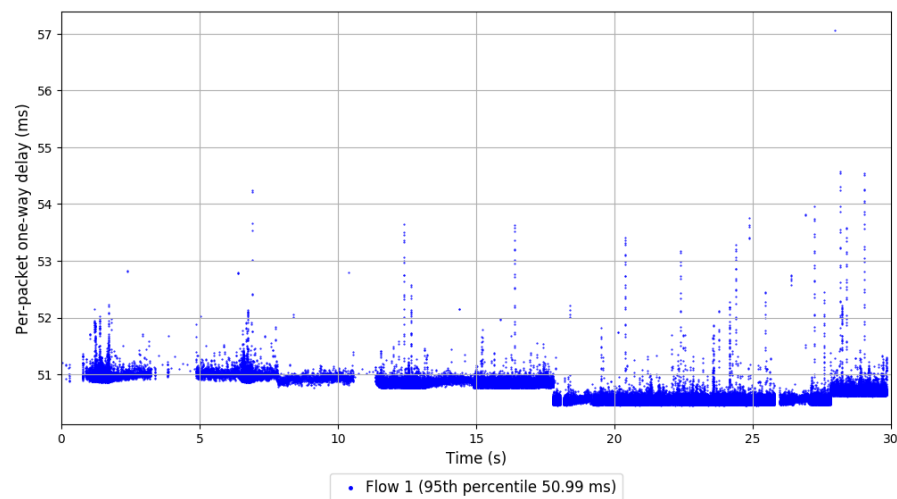
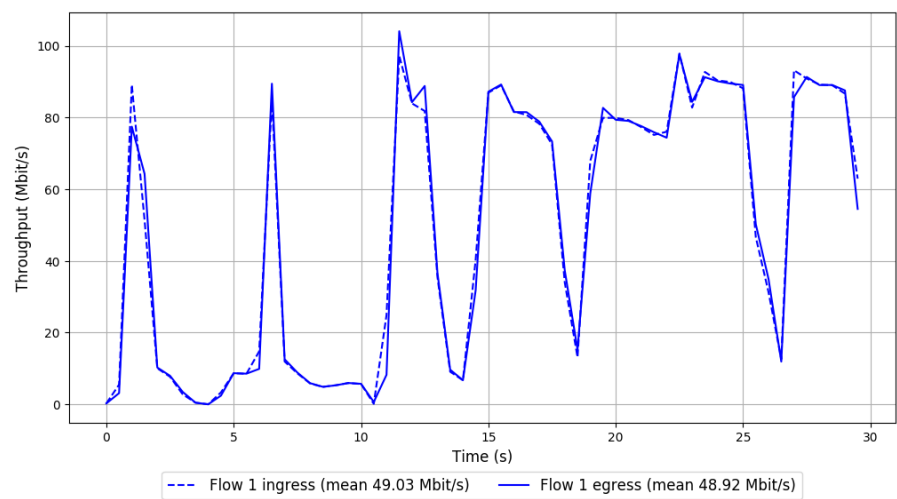
-- Flow 1:

Average throughput: 48.92 Mbit/s

95th percentile per-packet one-way delay: 50.987 ms

Loss rate: 0.57%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 13:25:50

End at: 2018-04-17 13:26:20

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.26 Mbit/s

95th percentile per-packet one-way delay: 50.842 ms

Loss rate: 0.53%

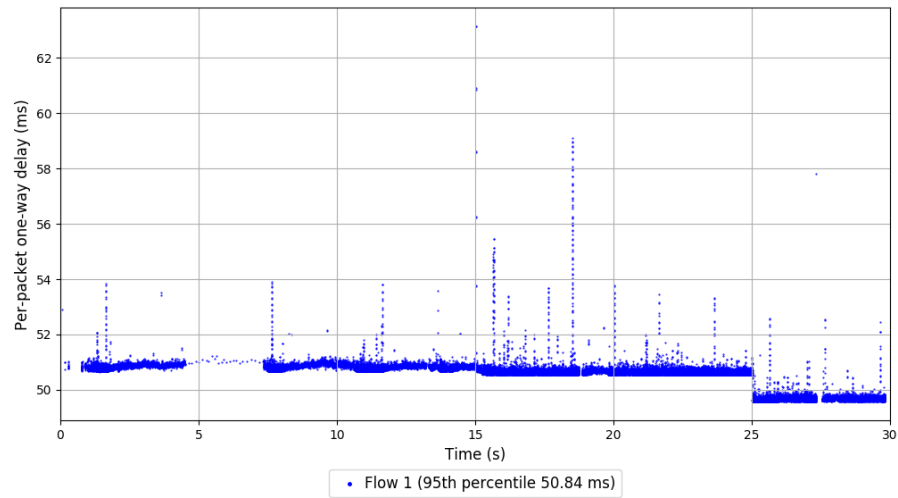
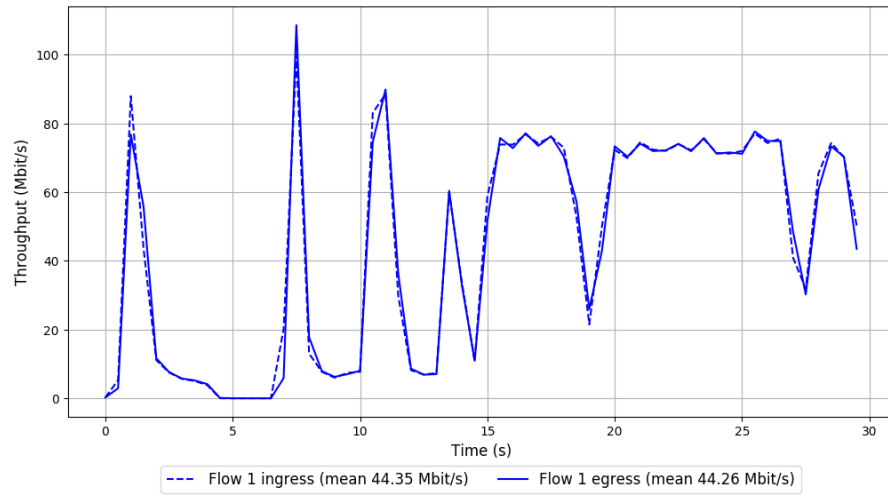
-- Flow 1:

Average throughput: 44.26 Mbit/s

95th percentile per-packet one-way delay: 50.842 ms

Loss rate: 0.53%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 13:38:45

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

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.46 Mbit/s

95th percentile per-packet one-way delay: 50.691 ms

Loss rate: 0.43%

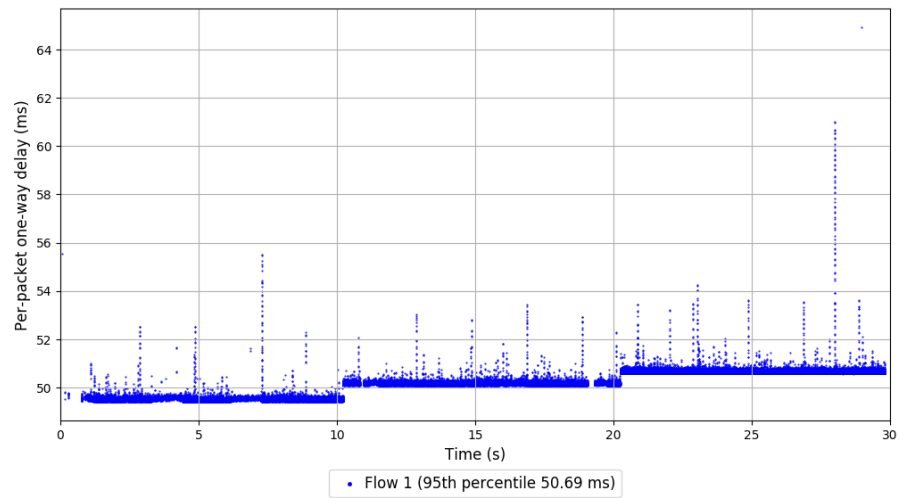
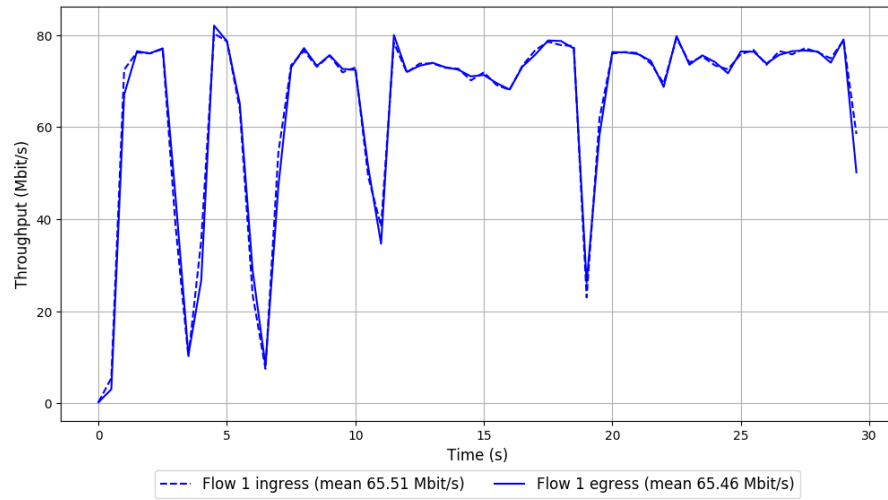
-- Flow 1:

Average throughput: 65.46 Mbit/s

95th percentile per-packet one-way delay: 50.691 ms

Loss rate: 0.43%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 13:51:47

End at: 2018-04-17 13:52:17

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.21 Mbit/s

95th percentile per-packet one-way delay: 50.599 ms

Loss rate: 0.67%

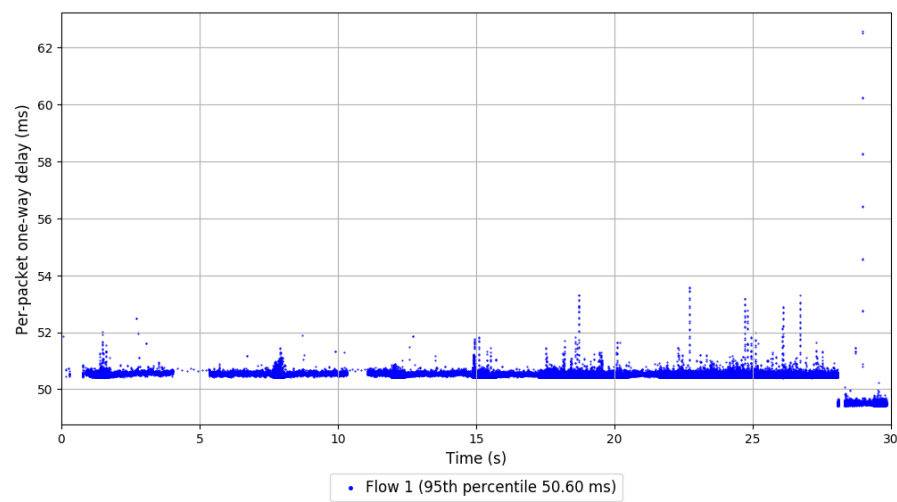
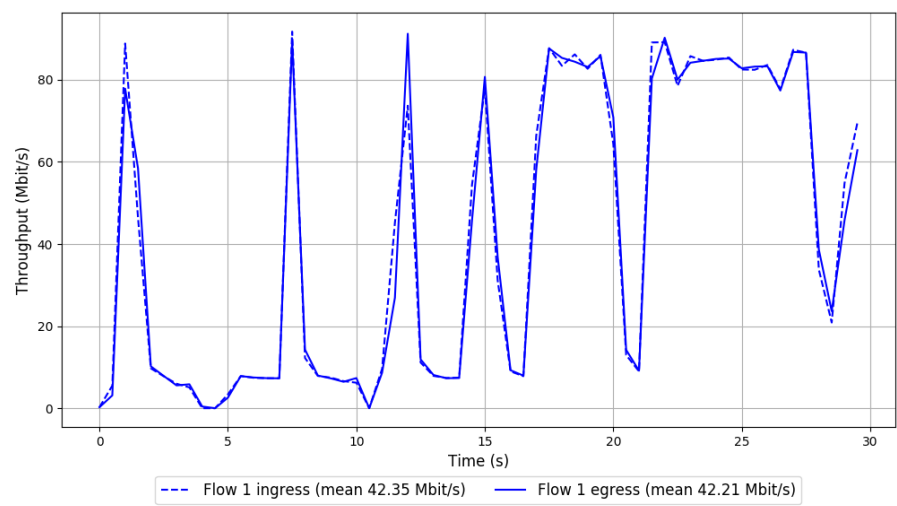
-- Flow 1:

Average throughput: 42.21 Mbit/s

95th percentile per-packet one-way delay: 50.599 ms

Loss rate: 0.67%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

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

End at: 2018-04-17 14:05:14

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 50.259 ms

Loss rate: 0.70%

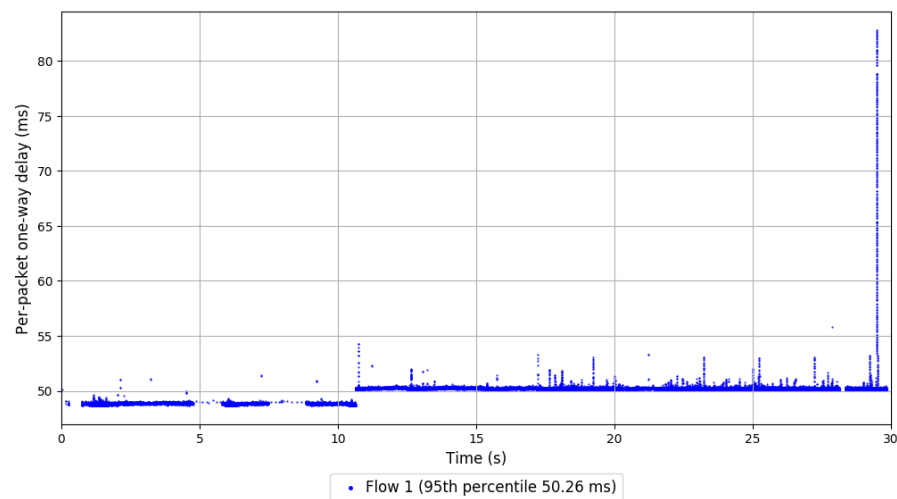
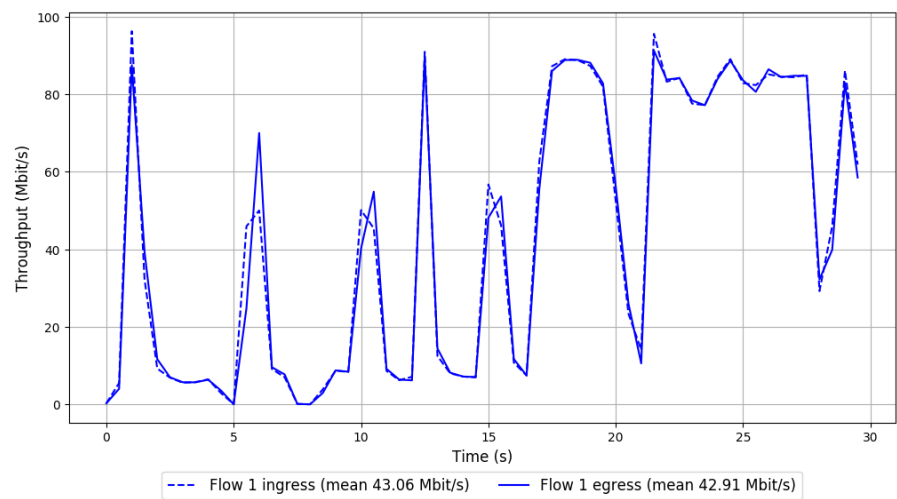
-- Flow 1:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 50.259 ms

Loss rate: 0.70%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 14:17:48

End at: 2018-04-17 14:18:18

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 50.333 ms

Loss rate: 0.55%

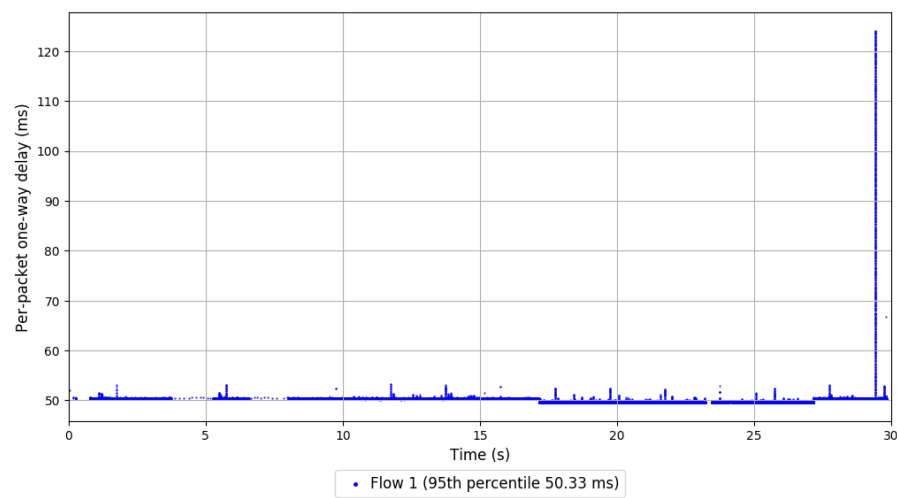
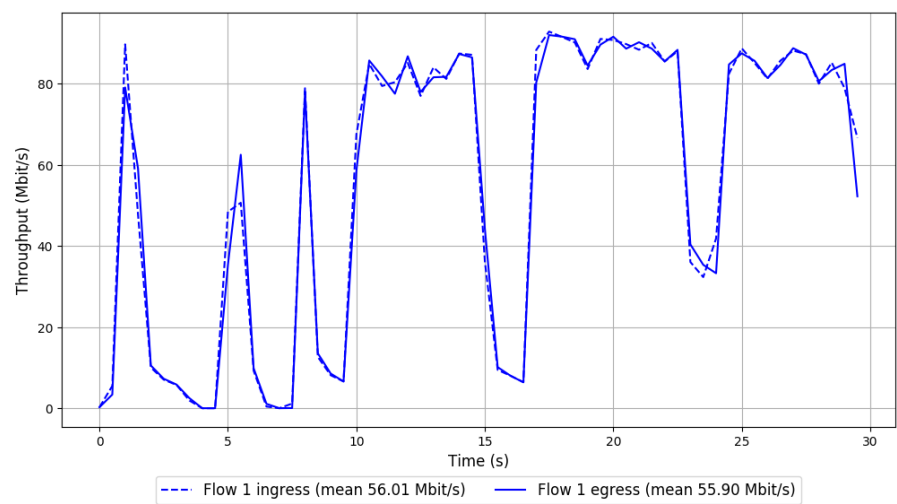
-- Flow 1:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 50.333 ms

Loss rate: 0.55%

Run 10: Report of QUIC Cubic — Data Link

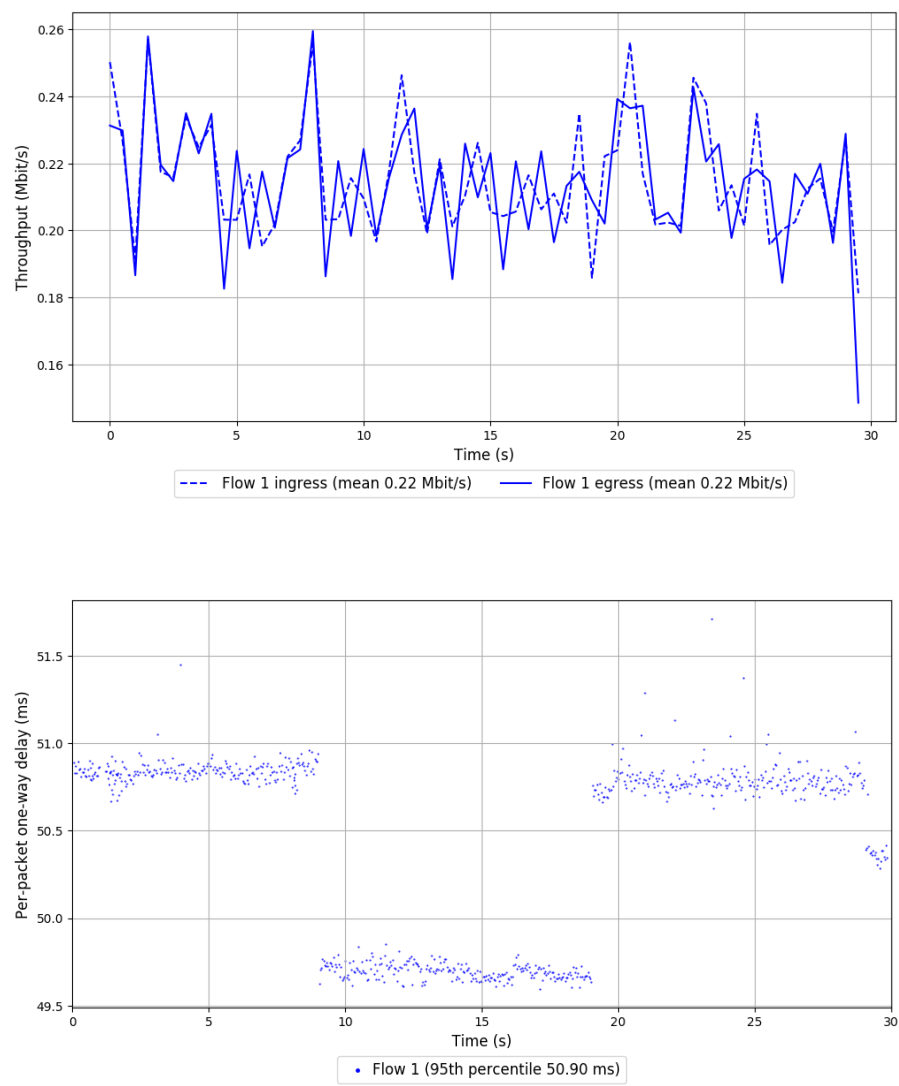


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 12:21:36
End at: 2018-04-17 12:22:06

# Below is generated by plot.py at 2018-04-17 17:07:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.38%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-17 12:34:39

End at: 2018-04-17 12:35:09

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.754 ms

Loss rate: 0.38%

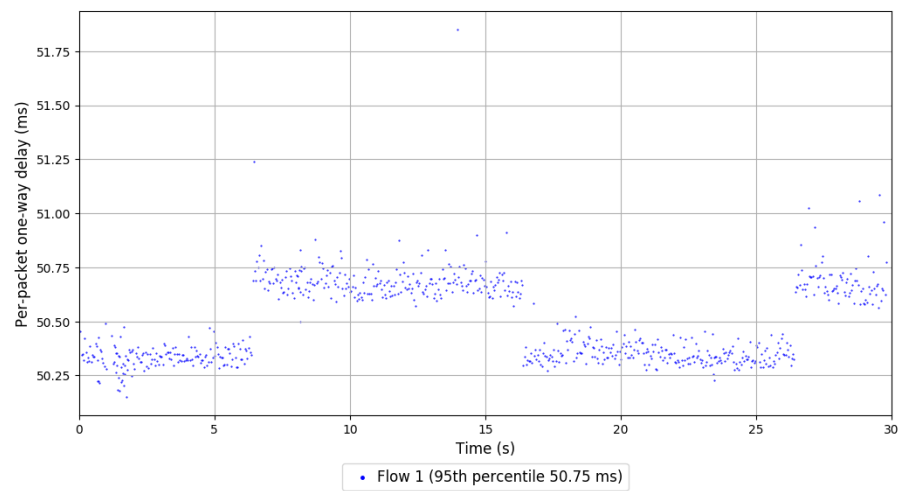
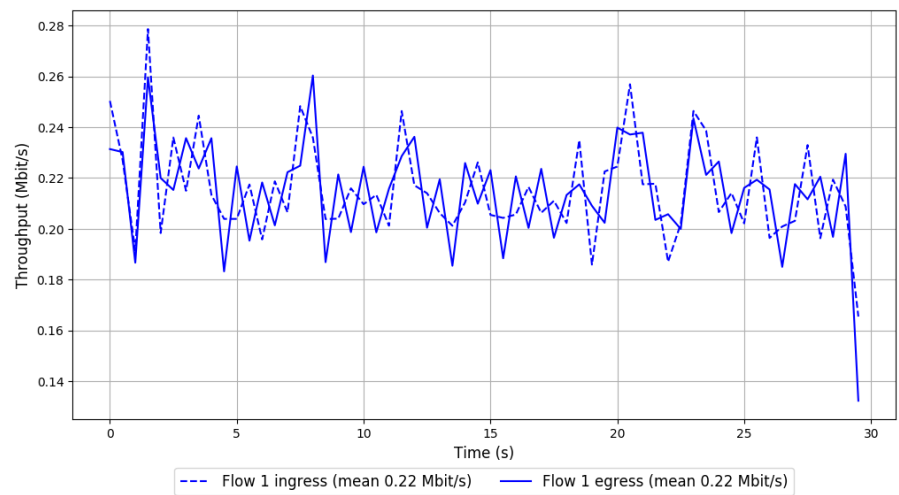
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.754 ms

Loss rate: 0.38%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-17 12:47:33

End at: 2018-04-17 12:48:03

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.981 ms

Loss rate: 0.38%

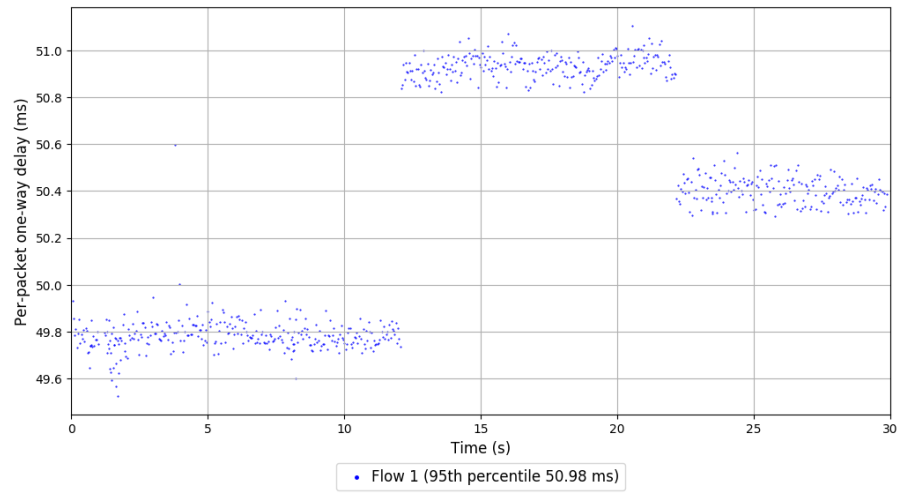
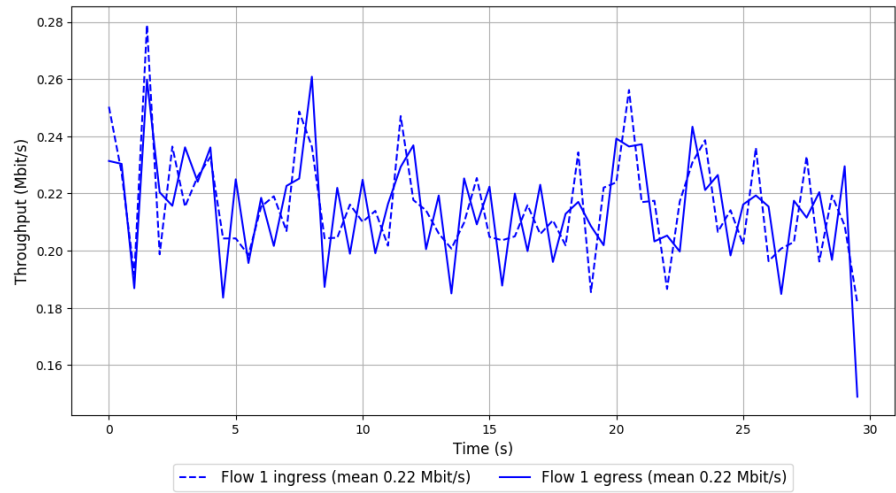
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.981 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-17 13:00:30

End at: 2018-04-17 13:01:00

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.38%

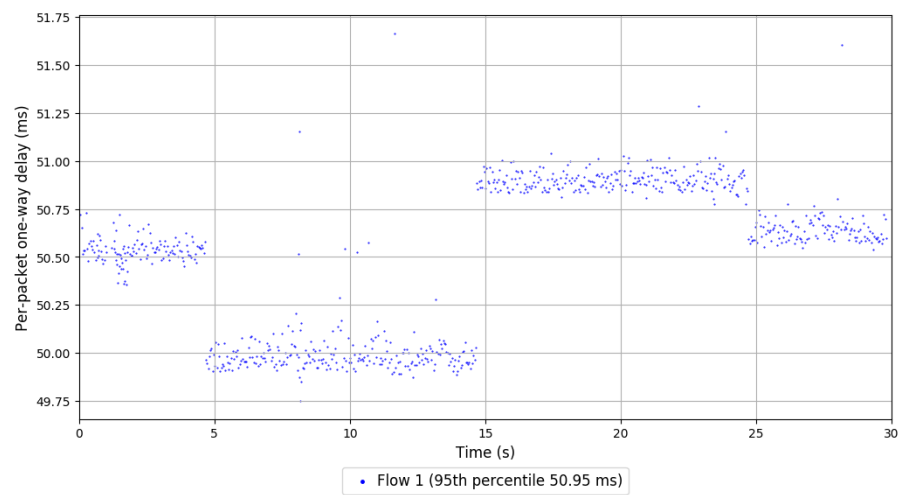
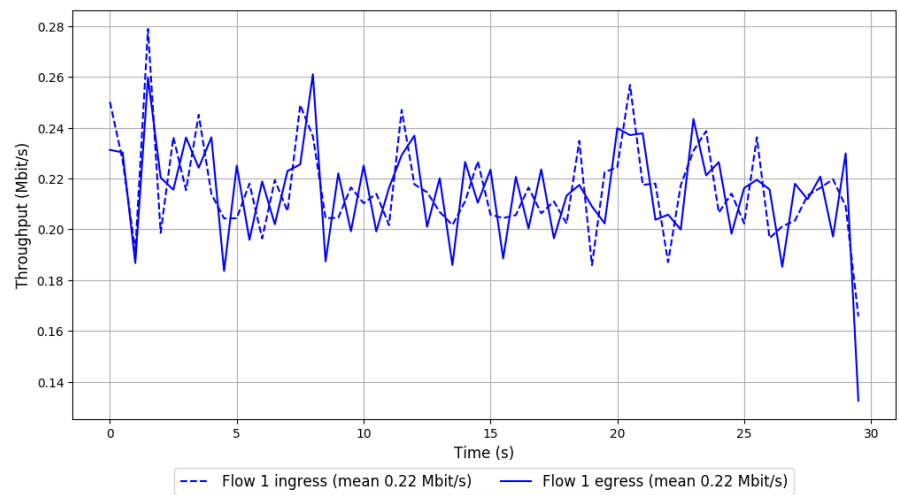
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 13:13:26

End at: 2018-04-17 13:13:57

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.38%

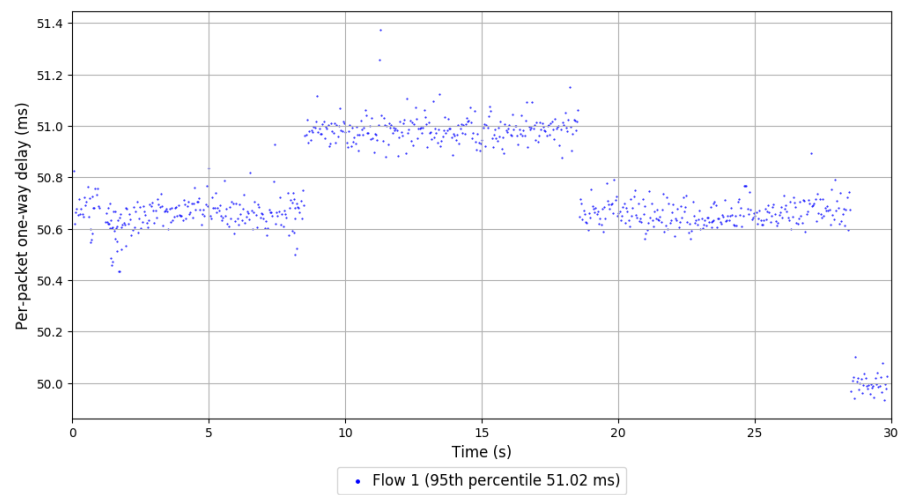
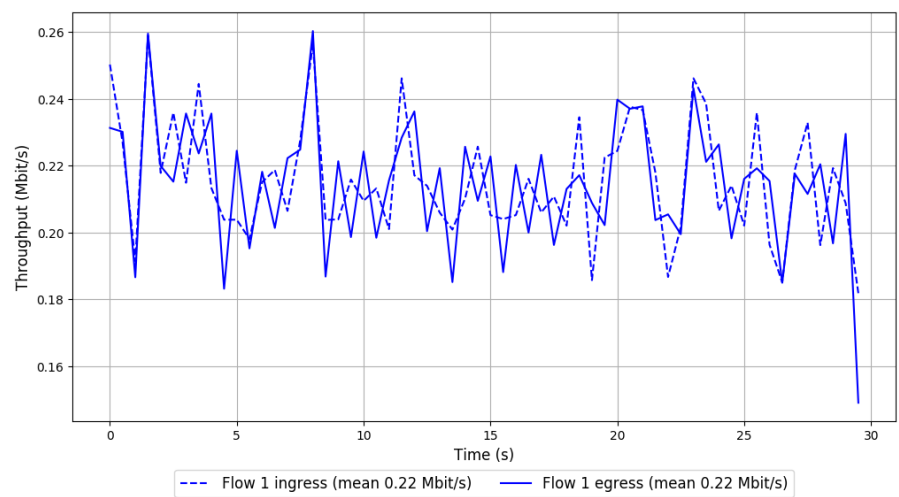
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 13:26:29

End at: 2018-04-17 13:26:59

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.960 ms

Loss rate: 0.38%

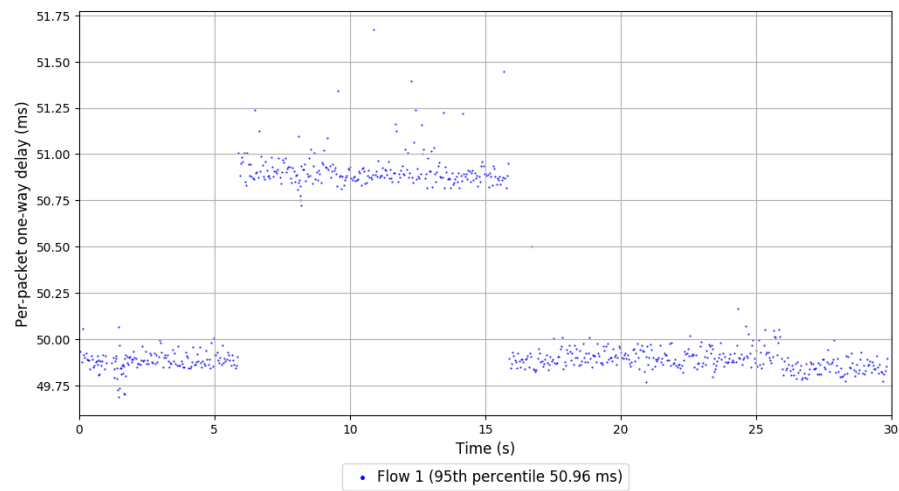
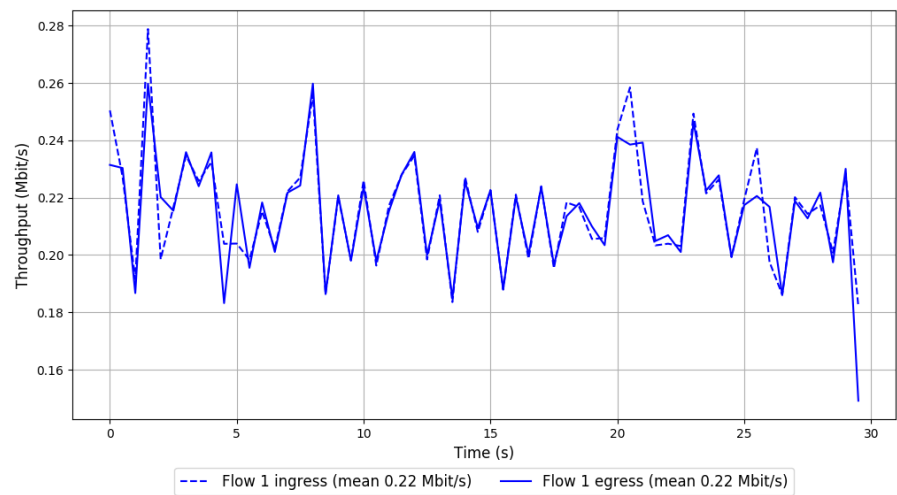
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.960 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-17 13:39:25

End at: 2018-04-17 13:39:55

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.870 ms

Loss rate: 0.38%

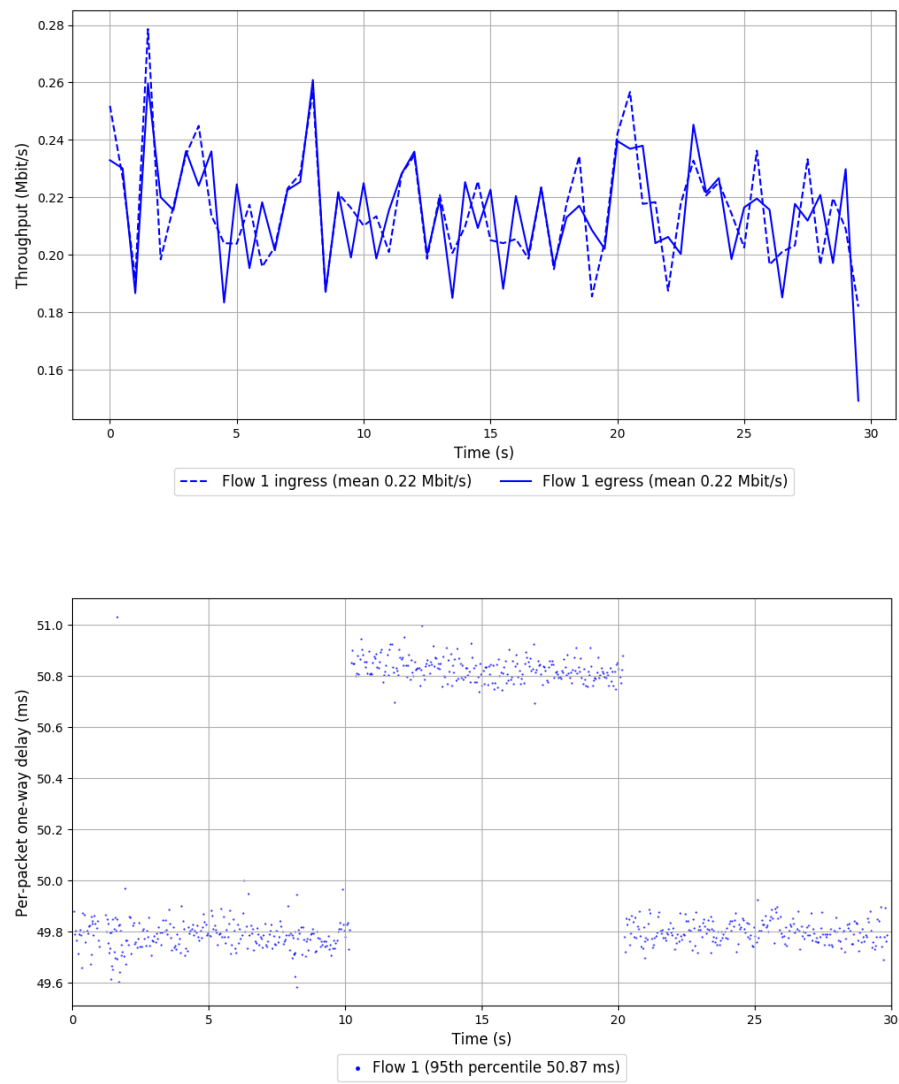
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.870 ms

Loss rate: 0.38%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-17 13:52:26

End at: 2018-04-17 13:52:56

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.879 ms

Loss rate: 0.38%

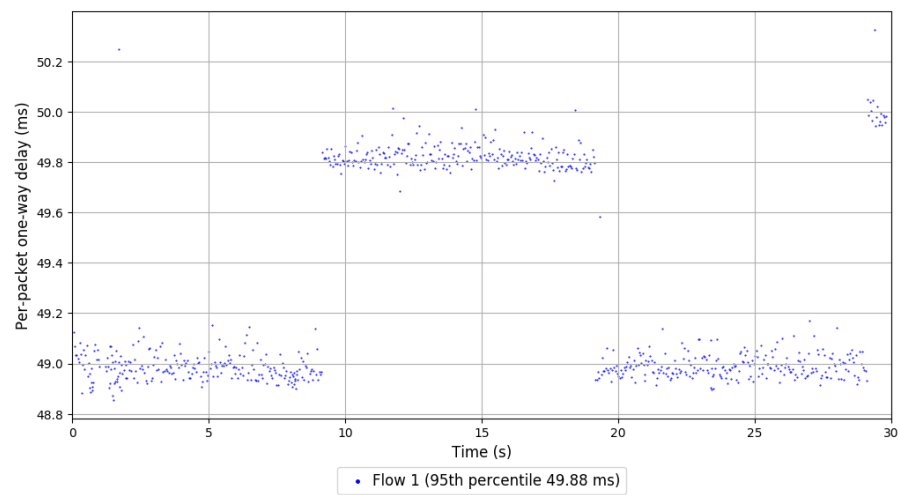
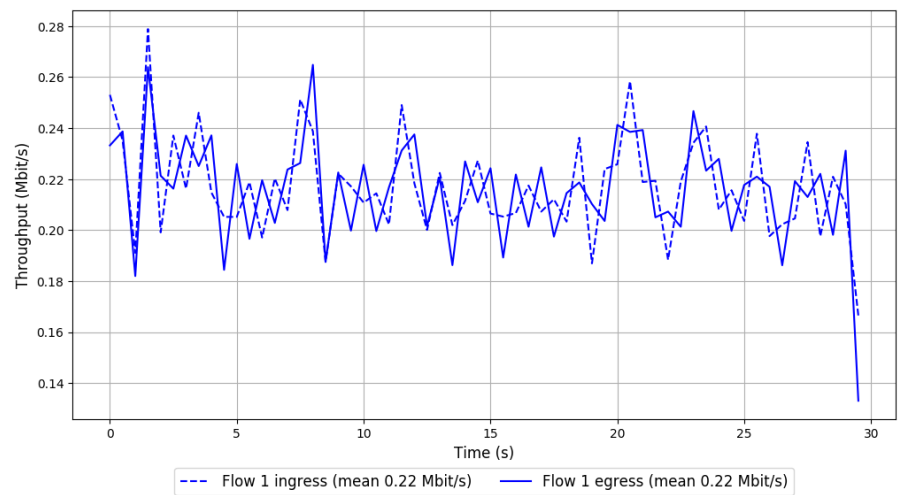
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.879 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 14:05:23

End at: 2018-04-17 14:05:53

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.866 ms

Loss rate: 0.25%

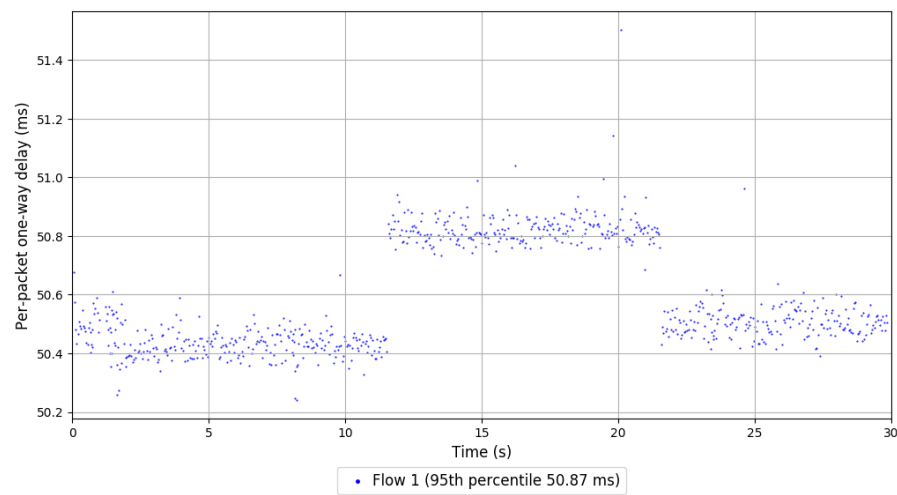
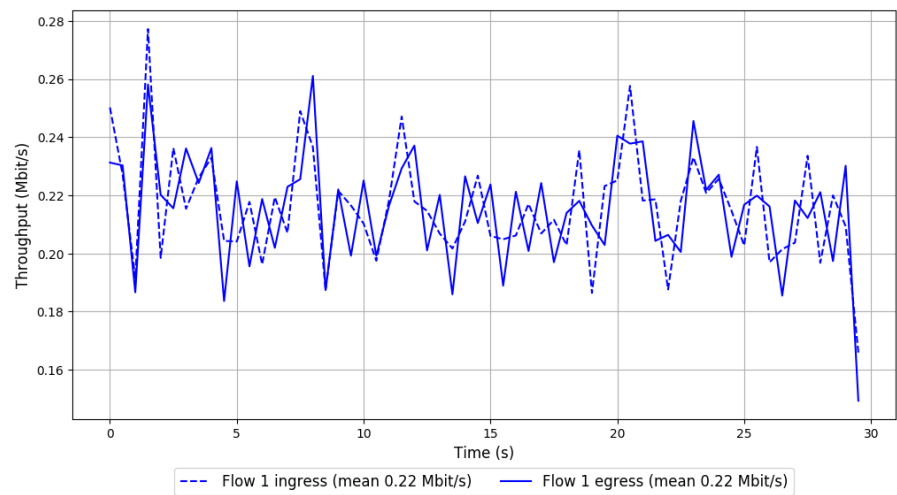
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.866 ms

Loss rate: 0.25%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-17 14:18:27

End at: 2018-04-17 14:18:58

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.076 ms

Loss rate: 0.25%

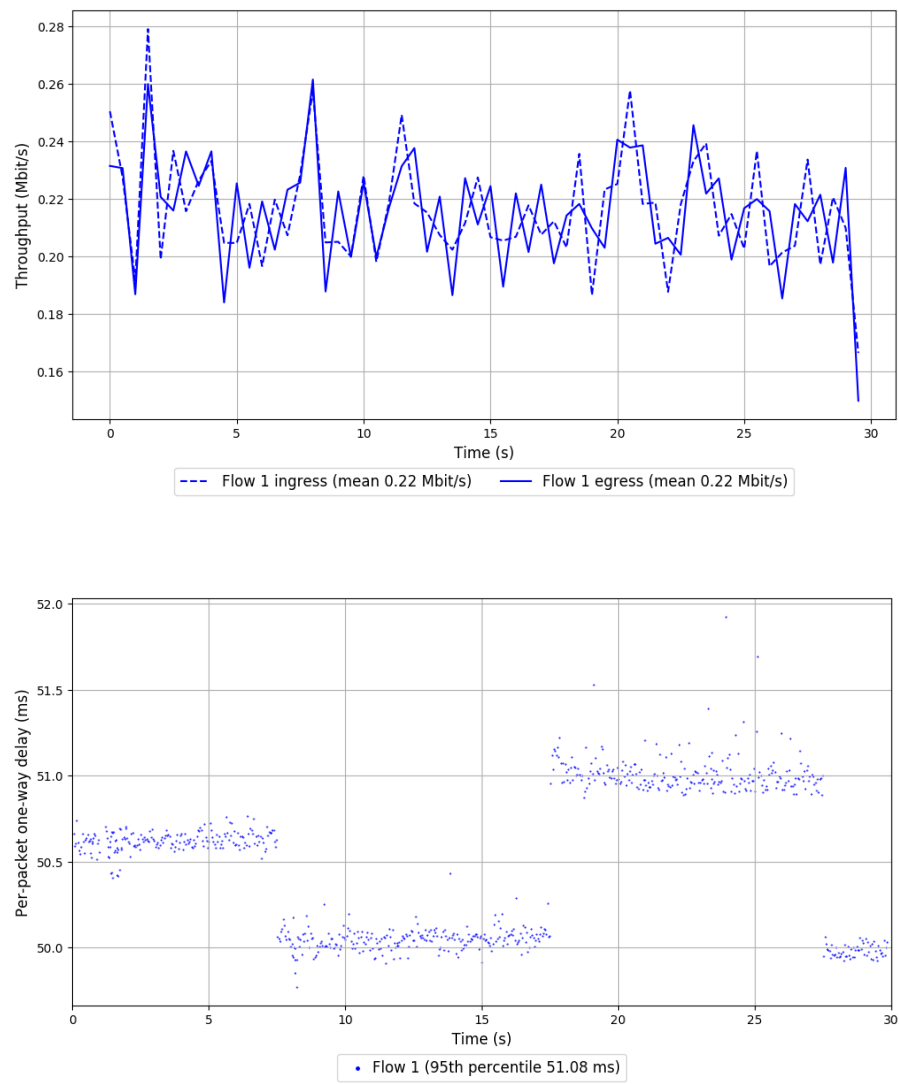
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.076 ms

Loss rate: 0.25%

Run 10: Report of SCRaM — Data Link

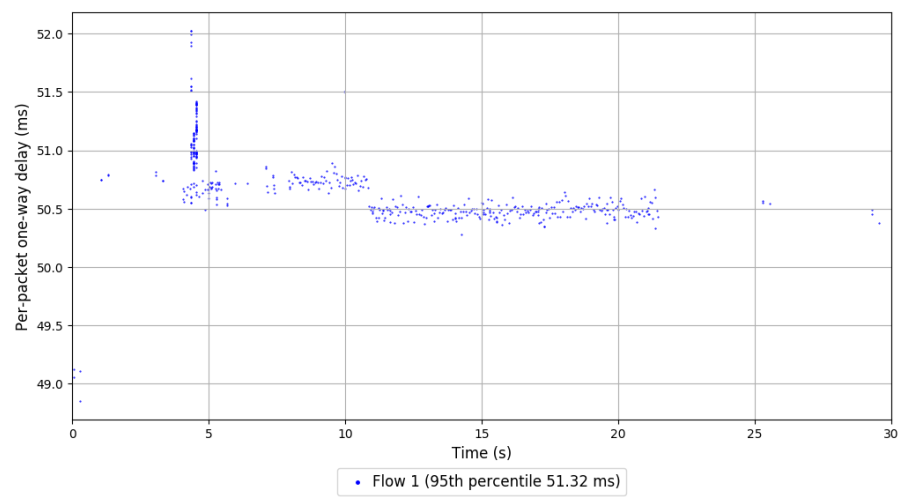
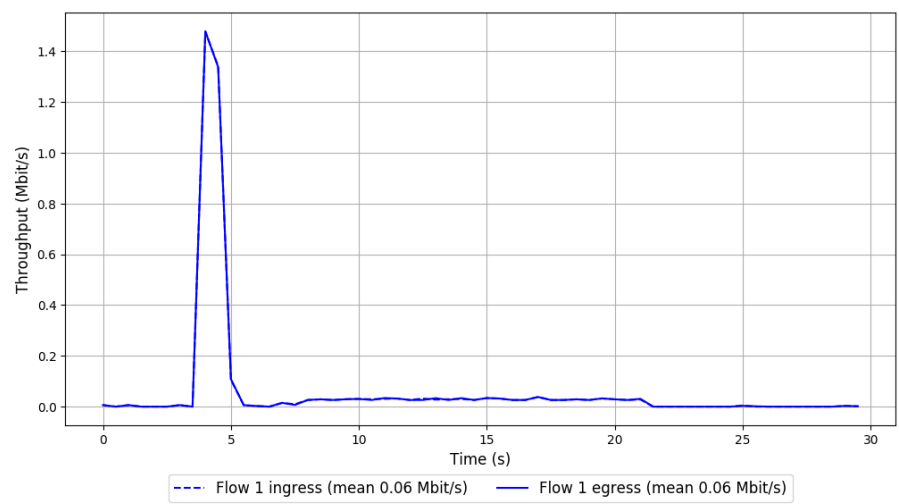


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 12:18:05
End at: 2018-04-17 12:18:35

# Below is generated by plot.py at 2018-04-17 17:07:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 51.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 51.322 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-17 12:31:04

End at: 2018-04-17 12:31:34

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.804 ms

Loss rate: 0.00%

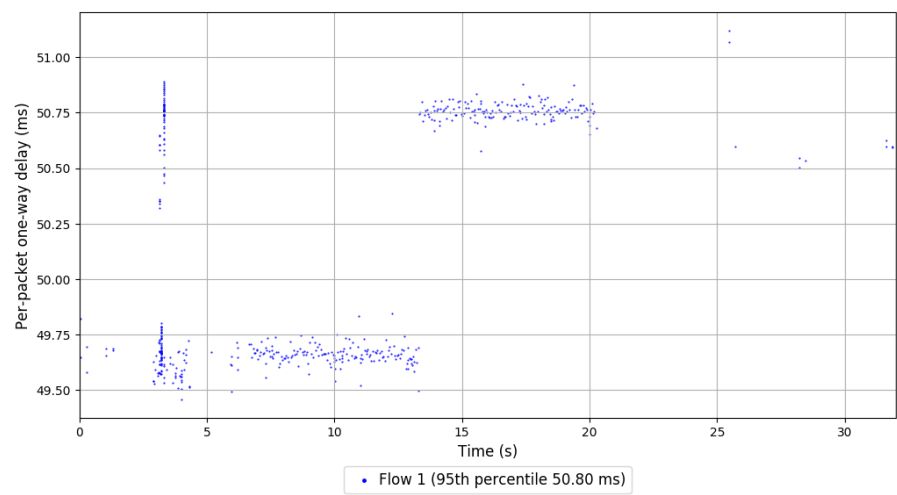
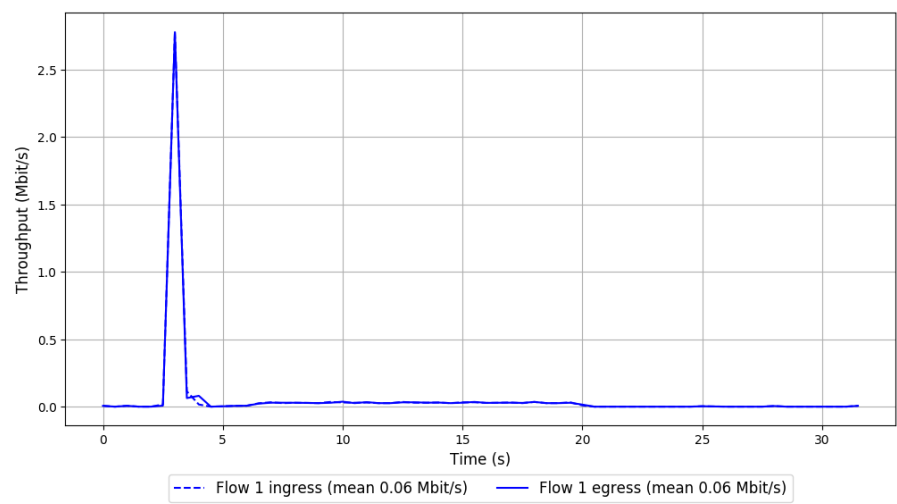
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.804 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-17 12:44:00

End at: 2018-04-17 12:44:30

Below is generated by plot.py at 2018-04-17 17:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.078 ms

Loss rate: 0.00%

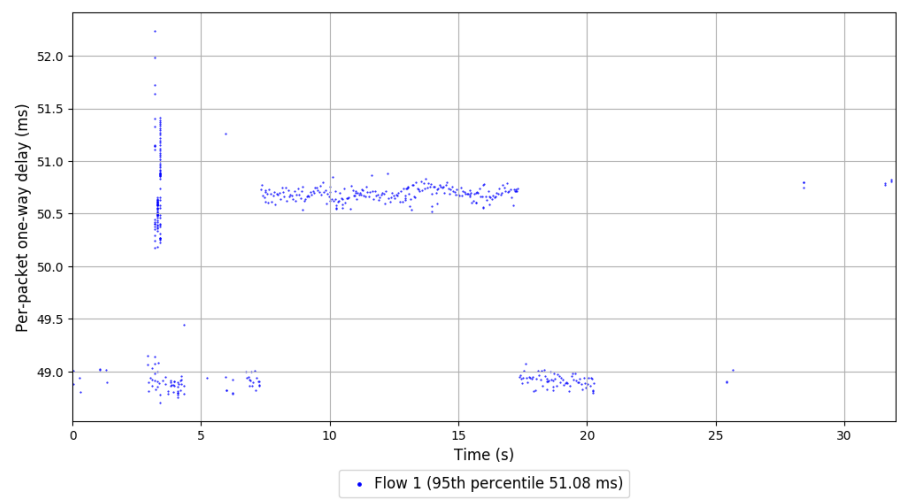
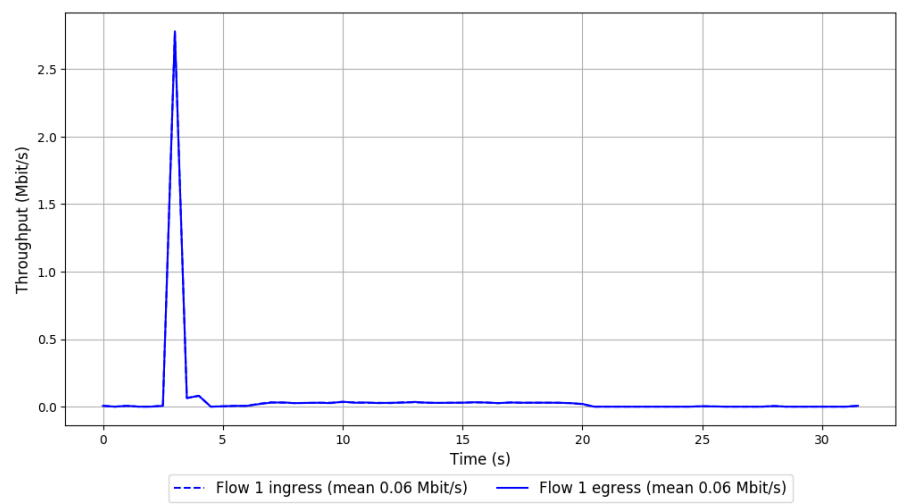
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.078 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 12:57:00

End at: 2018-04-17 12:57:30

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.829 ms

Loss rate: 0.00%

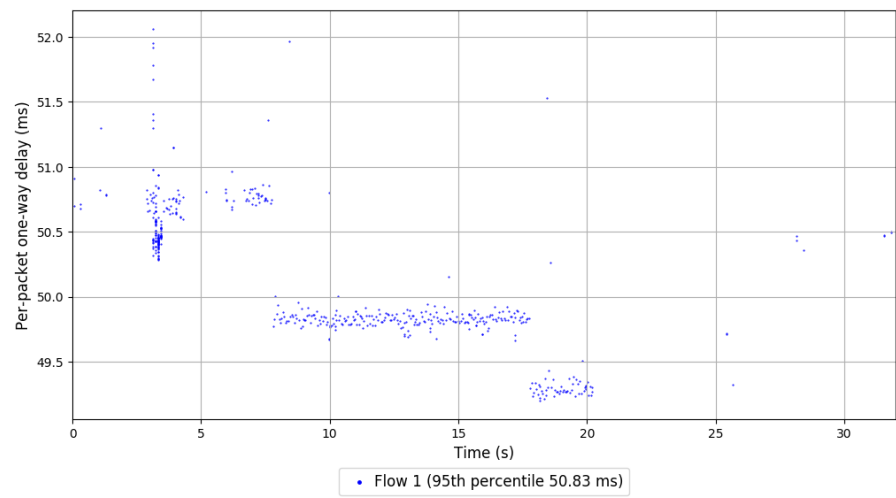
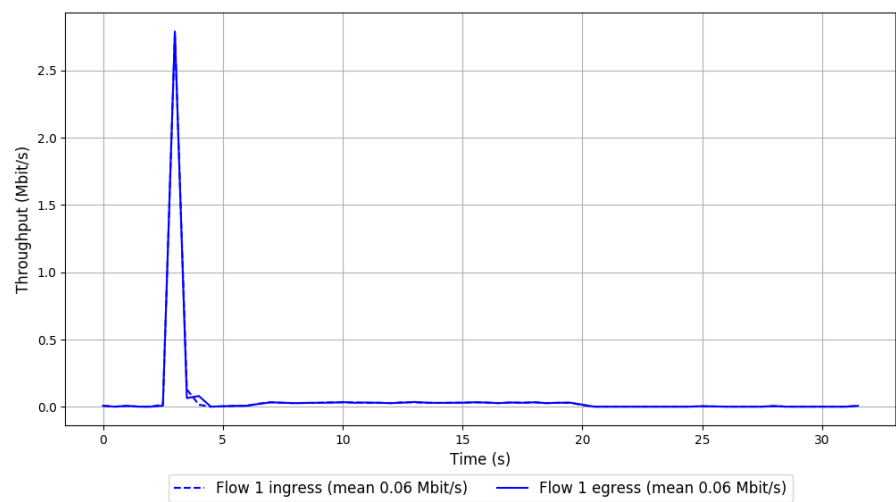
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.829 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 13:09:56

End at: 2018-04-17 13:10:26

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.026 ms

Loss rate: 0.00%

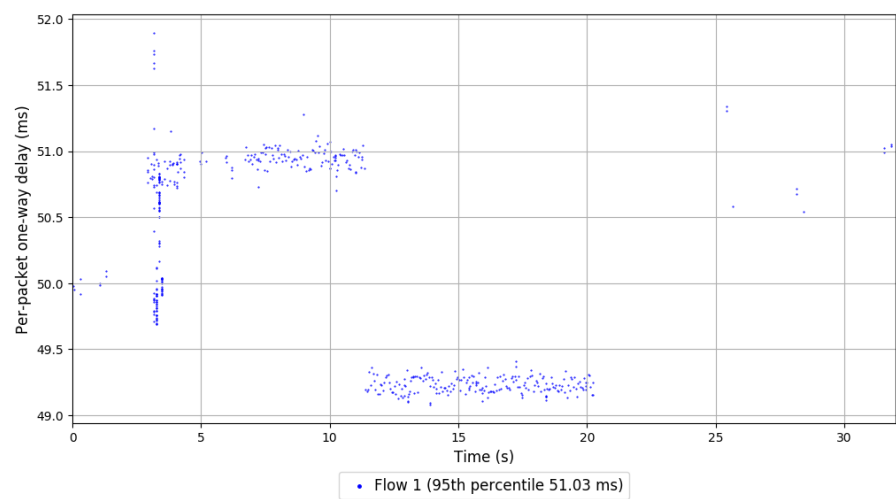
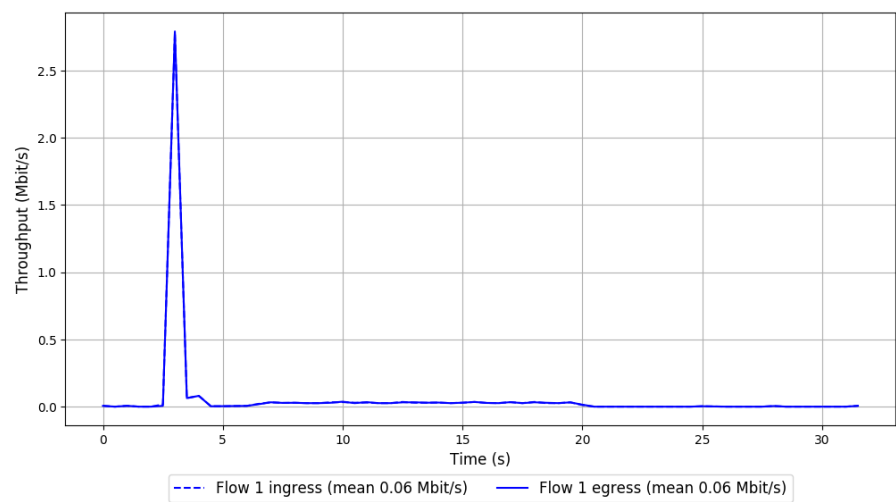
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.026 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 13:22:54

End at: 2018-04-17 13:23:24

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.012 ms

Loss rate: 0.00%

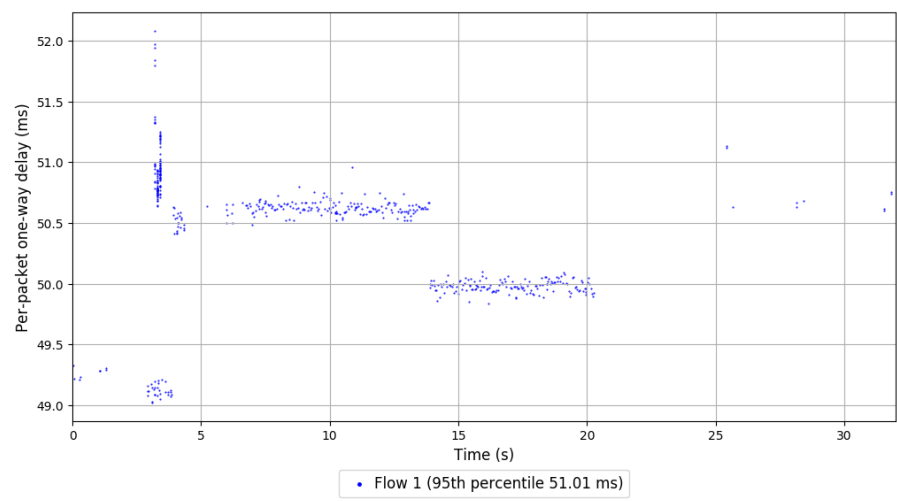
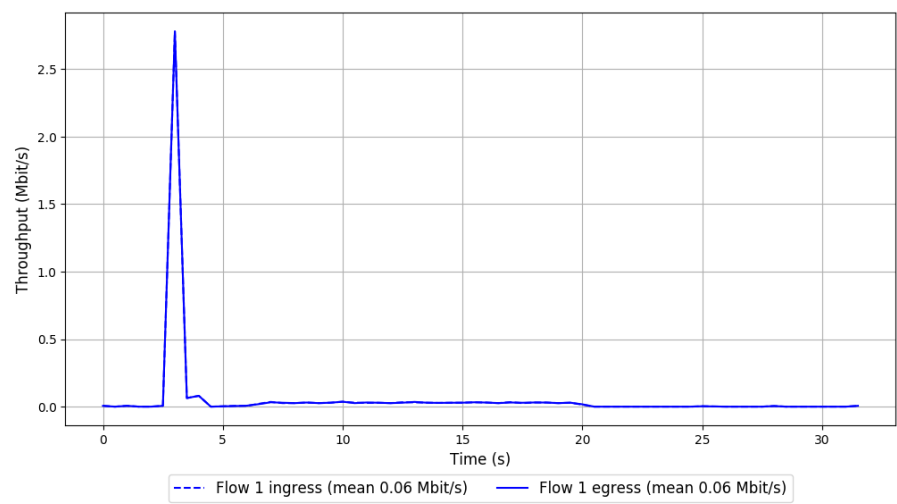
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.012 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 13:35:52

End at: 2018-04-17 13:36:22

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.811 ms

Loss rate: 0.00%

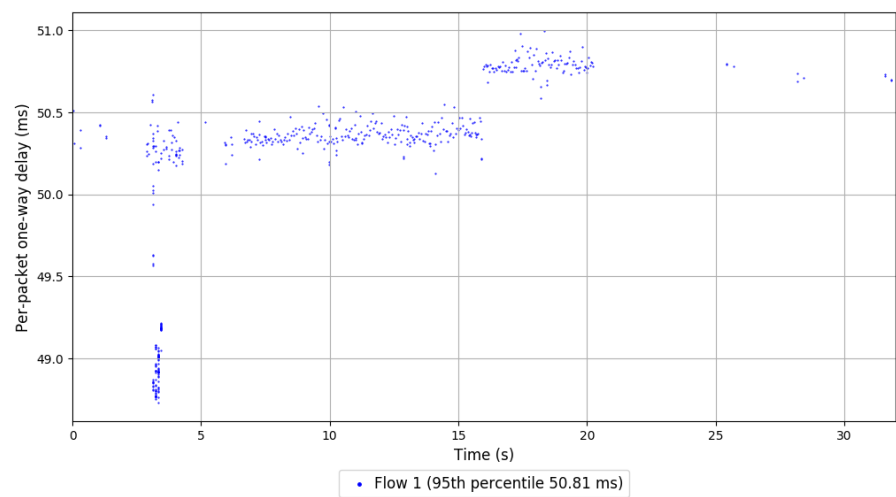
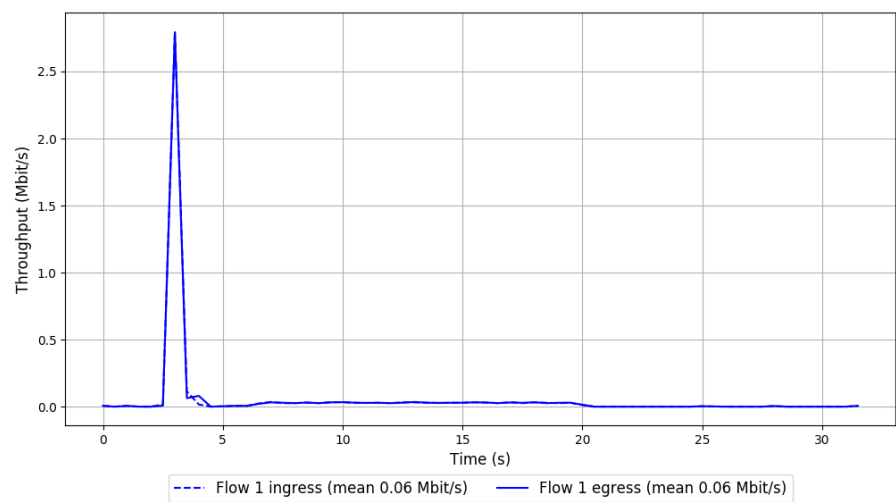
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.811 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 13:48:53

End at: 2018-04-17 13:49:23

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.356 ms

Loss rate: 0.00%

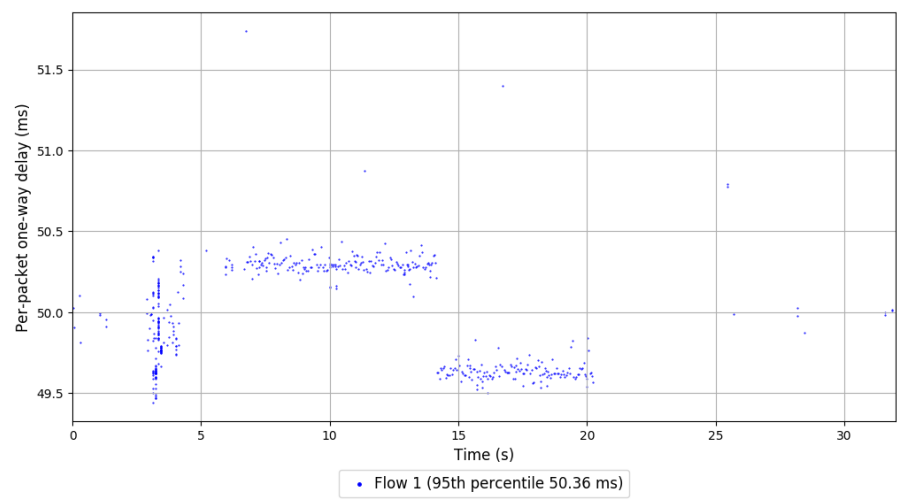
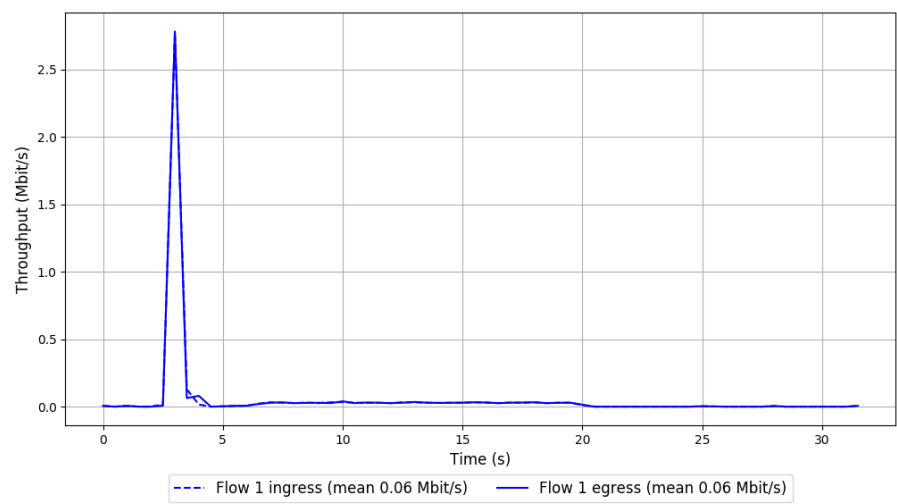
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.356 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 14:01:50

End at: 2018-04-17 14:02:20

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.381 ms

Loss rate: 0.00%

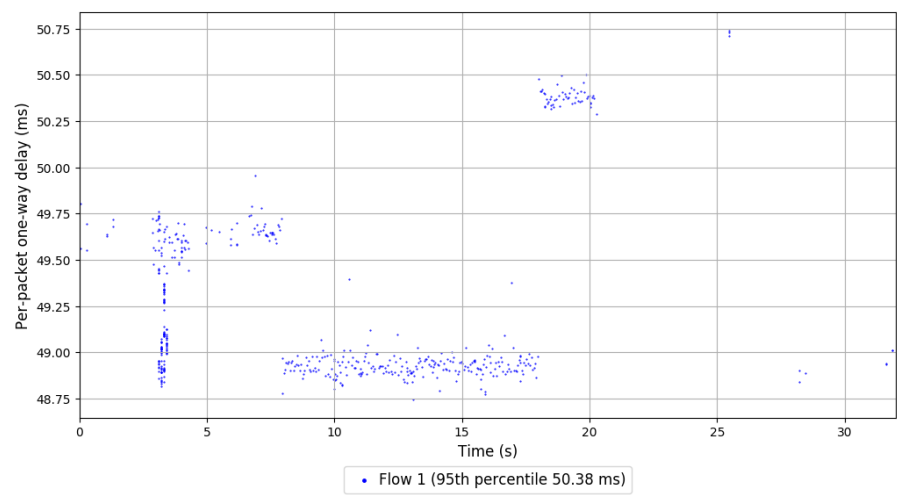
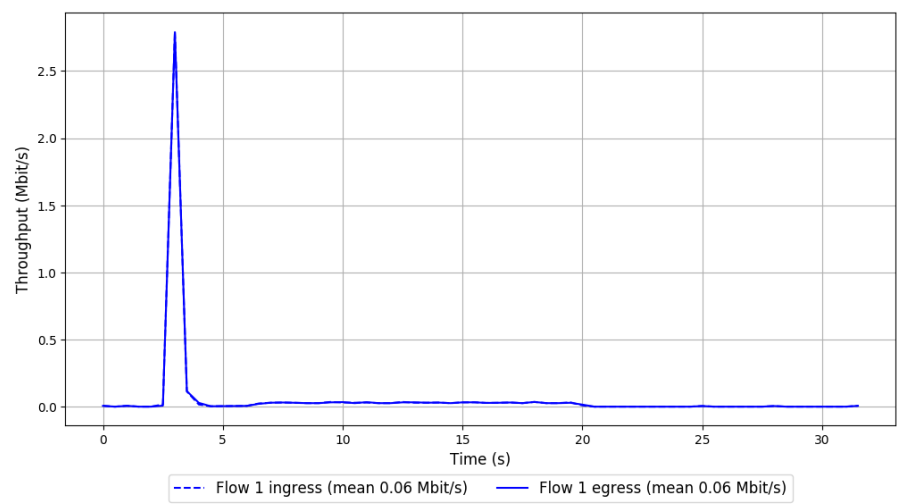
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.381 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

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

End at: 2018-04-17 14:15:23

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

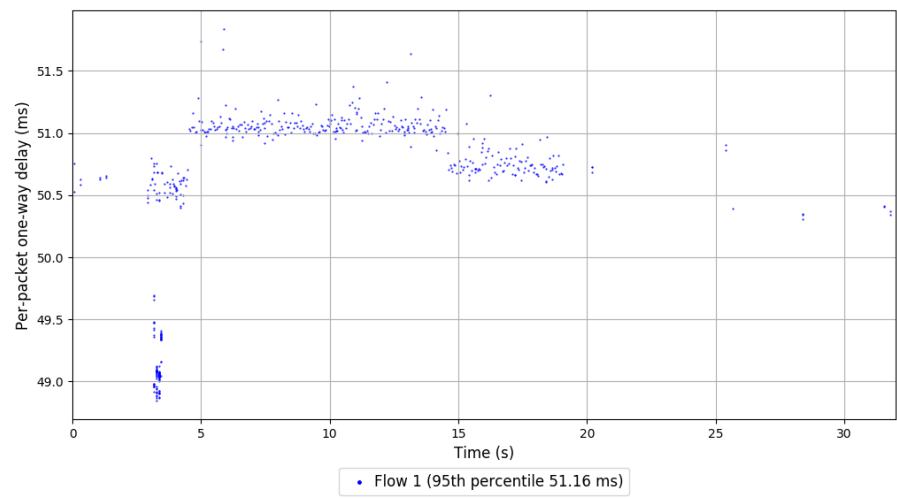
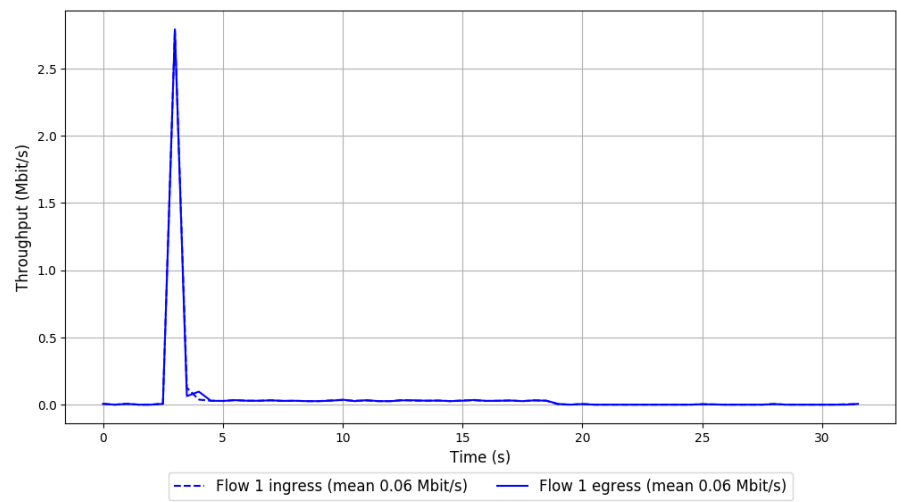
-- Flow 1:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-17 12:19:30

End at: 2018-04-17 12:20:00

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 51.513 ms

Loss rate: 0.42%

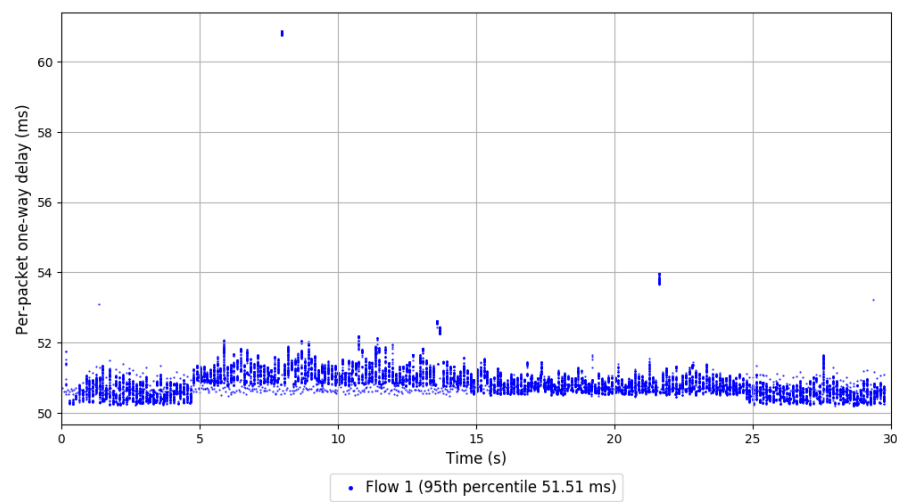
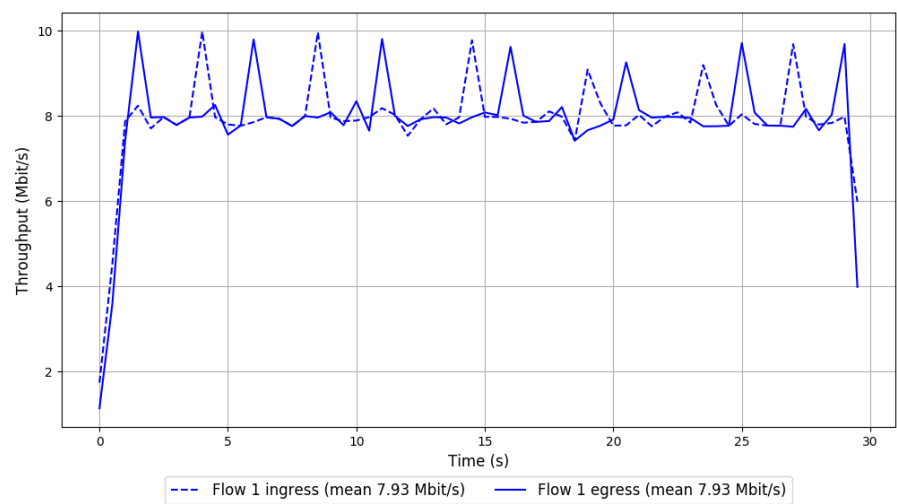
-- Flow 1:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 51.513 ms

Loss rate: 0.42%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 12:32:31

End at: 2018-04-17 12:33:01

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 50.884 ms

Loss rate: 0.29%

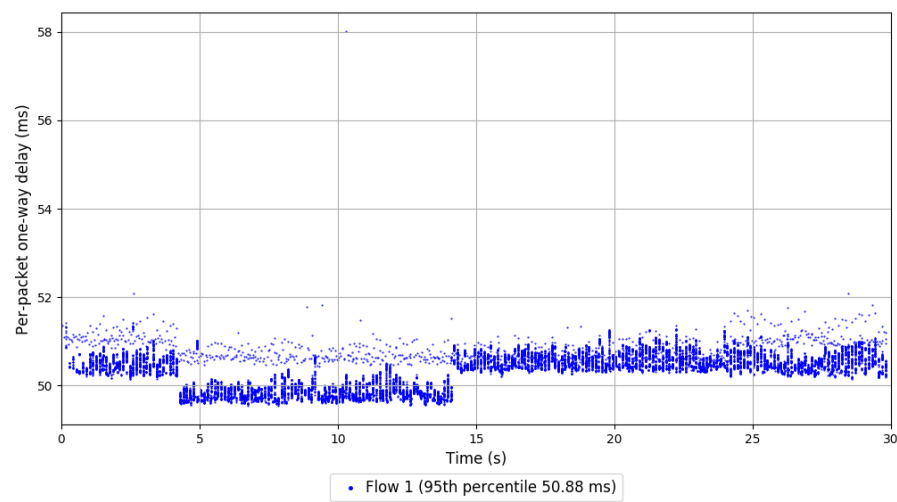
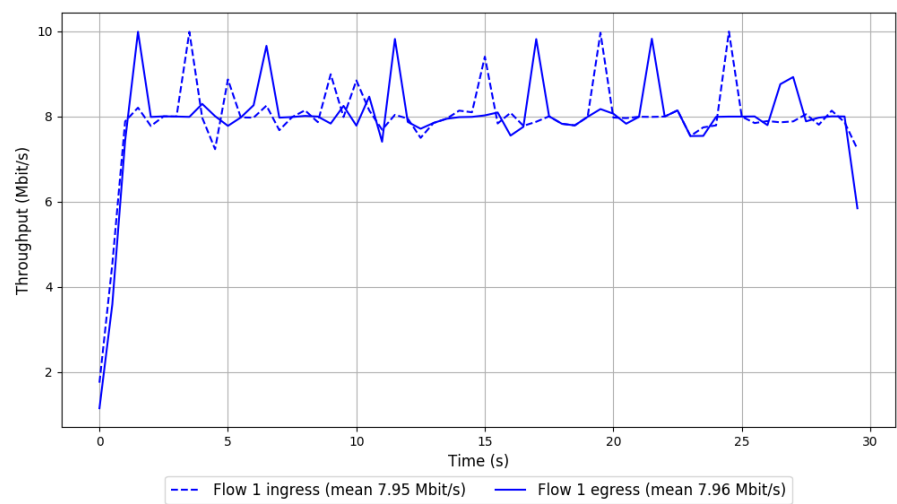
-- Flow 1:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 50.884 ms

Loss rate: 0.29%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-17 12:45:26

End at: 2018-04-17 12:45:56

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 51.072 ms

Loss rate: 0.42%

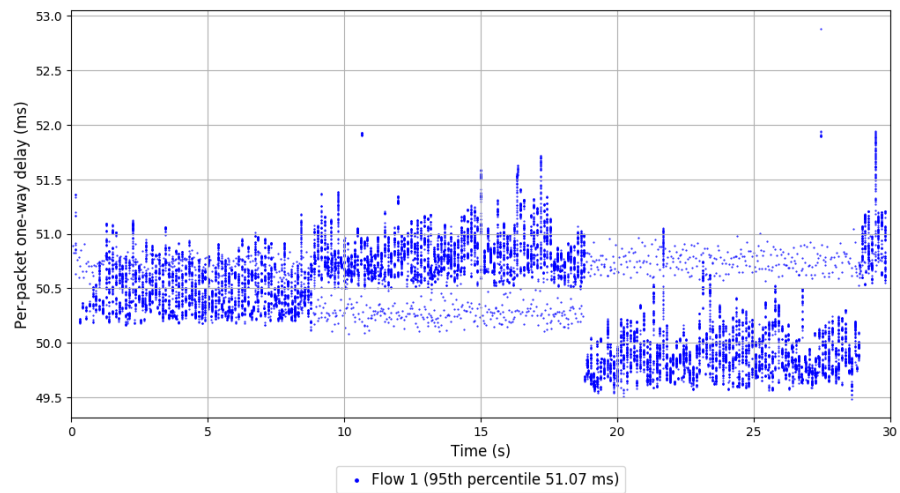
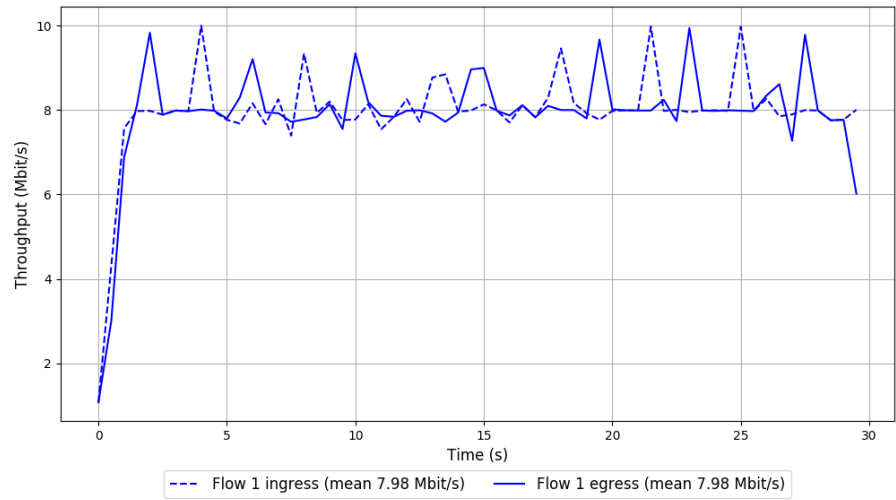
-- Flow 1:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 51.072 ms

Loss rate: 0.42%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-17 12:58:26

End at: 2018-04-17 12:58:56

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 51.337 ms

Loss rate: 0.42%

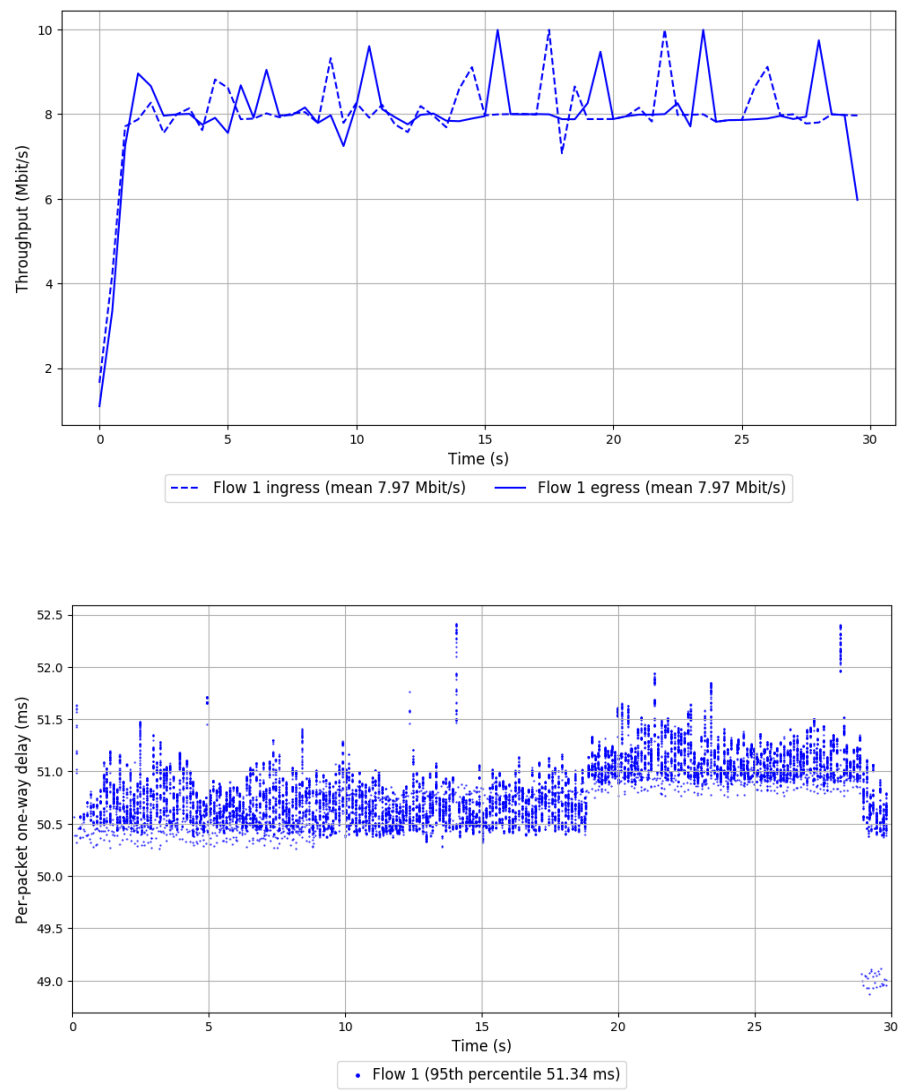
-- Flow 1:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 51.337 ms

Loss rate: 0.42%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-17 13:11:21

End at: 2018-04-17 13:11:51

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 51.528 ms

Loss rate: 0.48%

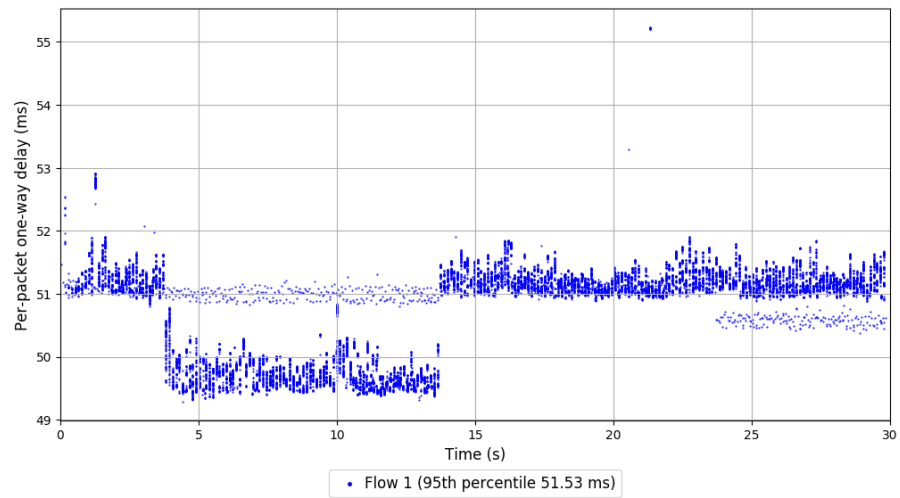
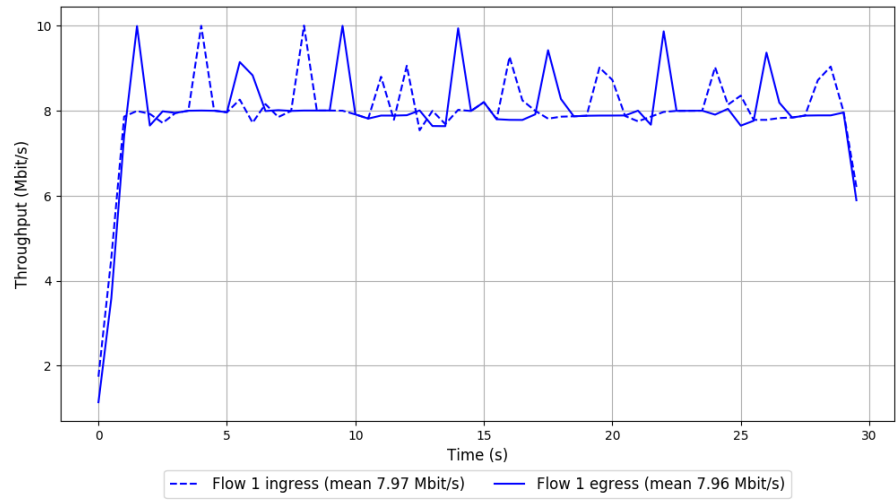
-- Flow 1:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 51.528 ms

Loss rate: 0.48%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 13:24:20

End at: 2018-04-17 13:24:50

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 51.434 ms

Loss rate: 0.43%

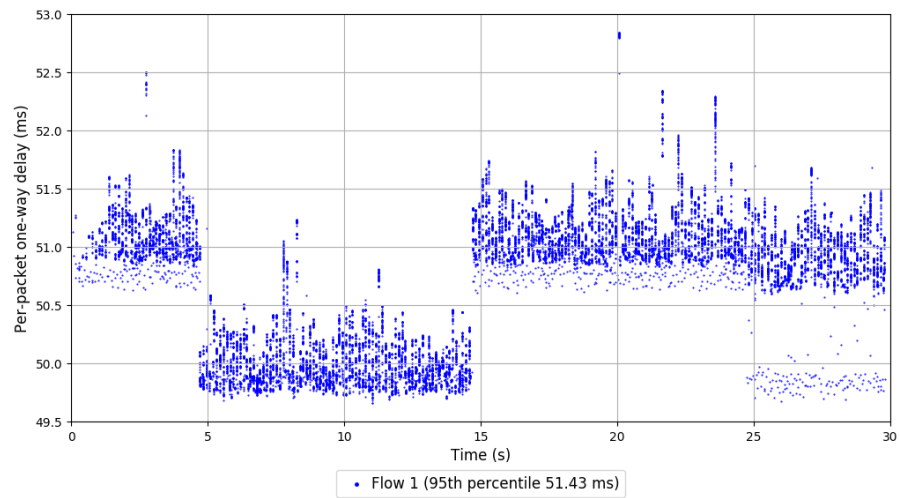
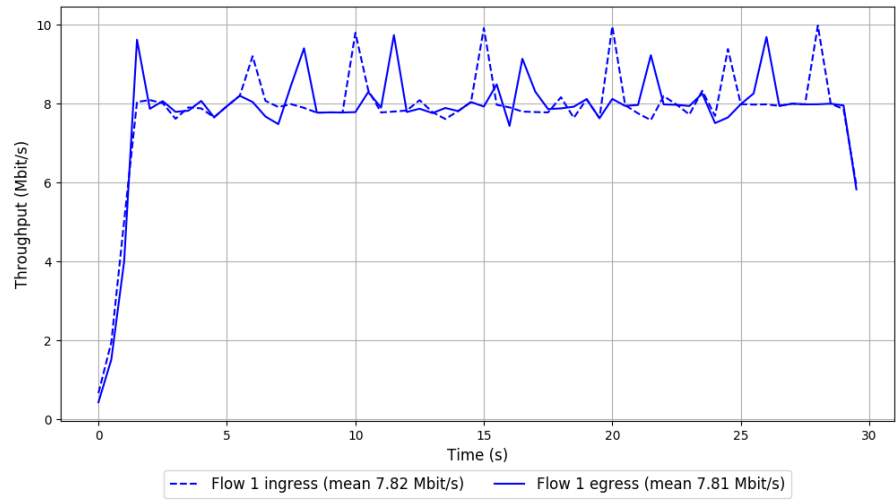
-- Flow 1:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 51.434 ms

Loss rate: 0.43%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

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

End at: 2018-04-17 13:37:47

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.99 Mbit/s

95th percentile per-packet one-way delay: 51.144 ms

Loss rate: 0.42%

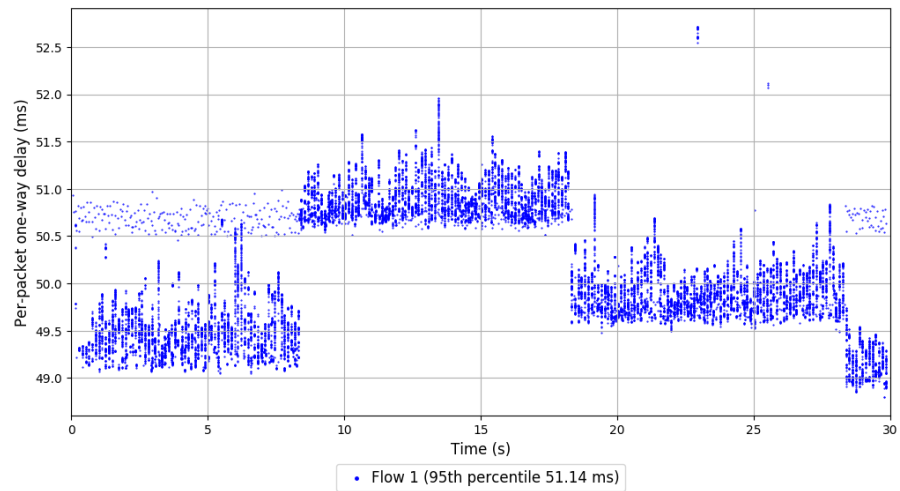
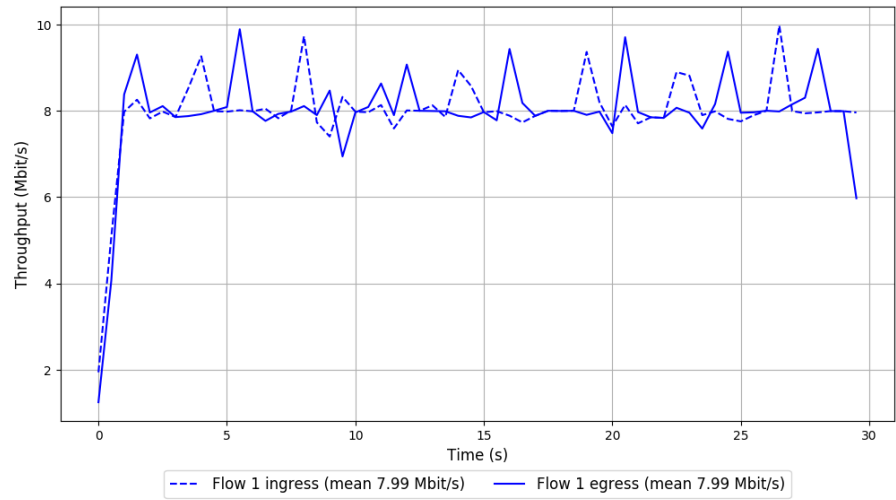
-- Flow 1:

Average throughput: 7.99 Mbit/s

95th percentile per-packet one-way delay: 51.144 ms

Loss rate: 0.42%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-17 13:50:18

End at: 2018-04-17 13:50:48

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 50.674 ms

Loss rate: 0.42%

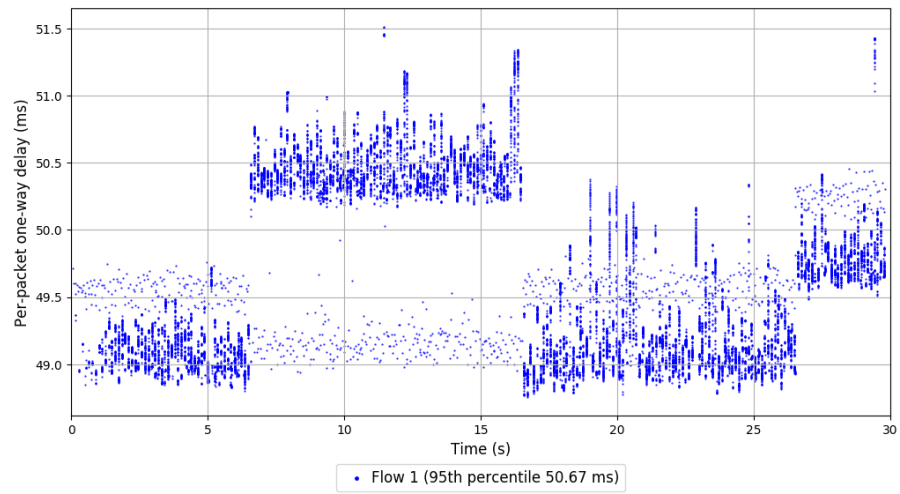
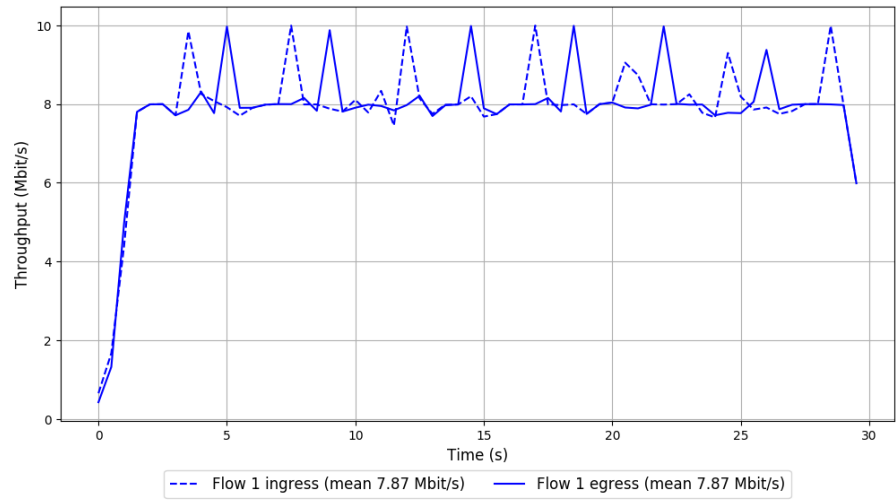
-- Flow 1:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 50.674 ms

Loss rate: 0.42%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 14:03:16

End at: 2018-04-17 14:03:46

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 50.887 ms

Loss rate: 0.42%

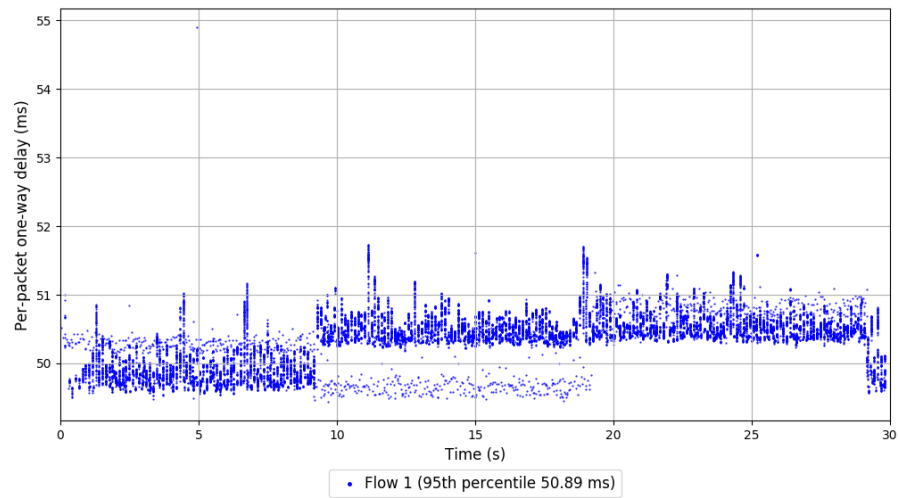
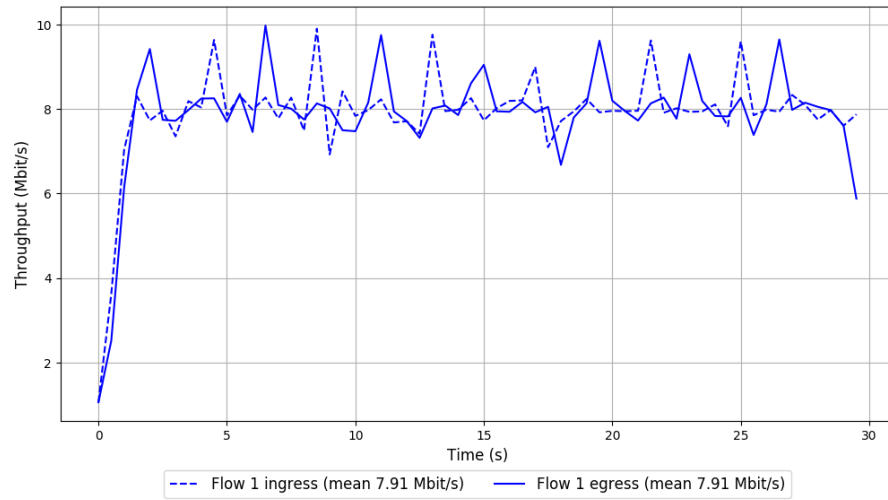
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 50.887 ms

Loss rate: 0.42%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 14:16:19

End at: 2018-04-17 14:16:49

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 51.165 ms

Loss rate: 0.41%

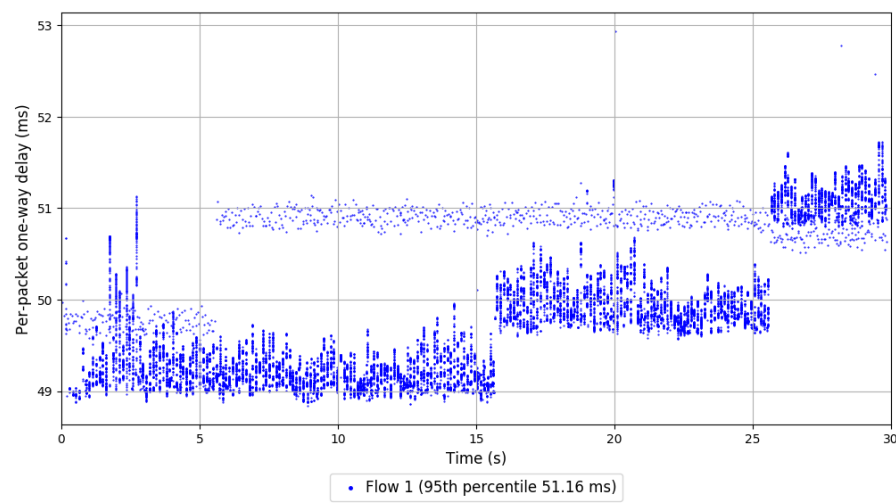
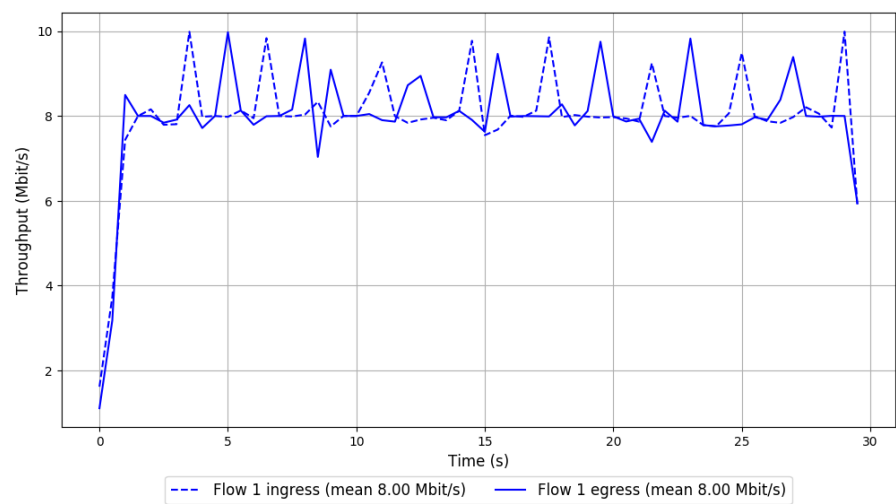
-- Flow 1:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 51.165 ms

Loss rate: 0.41%

Run 10: Report of Sprout — Data Link

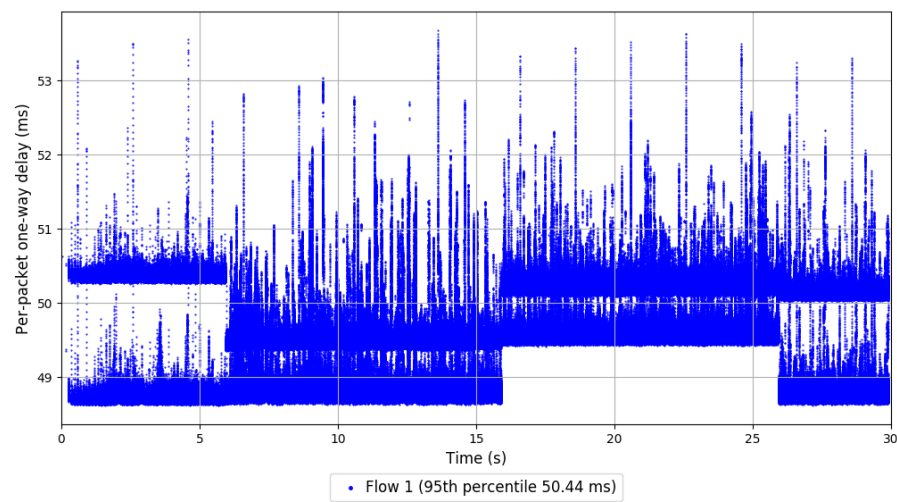
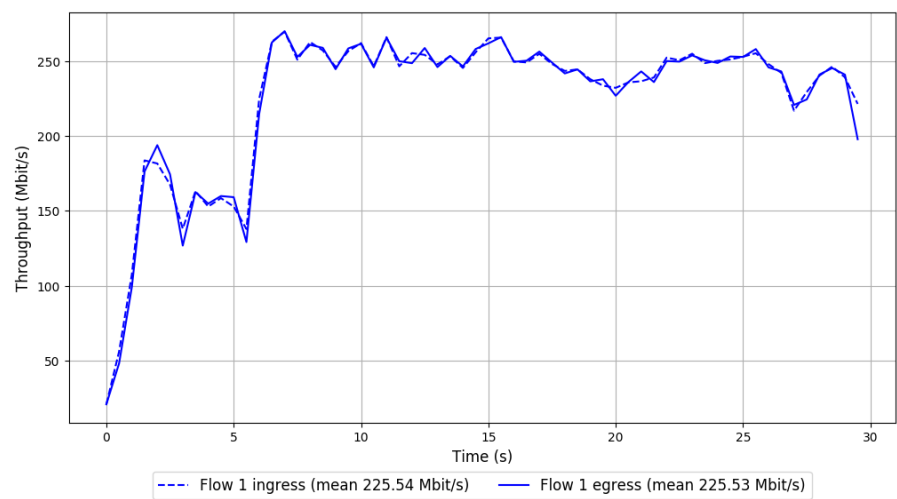


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 12:22:49
End at: 2018-04-17 12:23:19

# Below is generated by plot.py at 2018-04-17 17:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.53 Mbit/s
95th percentile per-packet one-way delay: 50.437 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 225.53 Mbit/s
95th percentile per-packet one-way delay: 50.437 ms
Loss rate: 0.34%
```

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

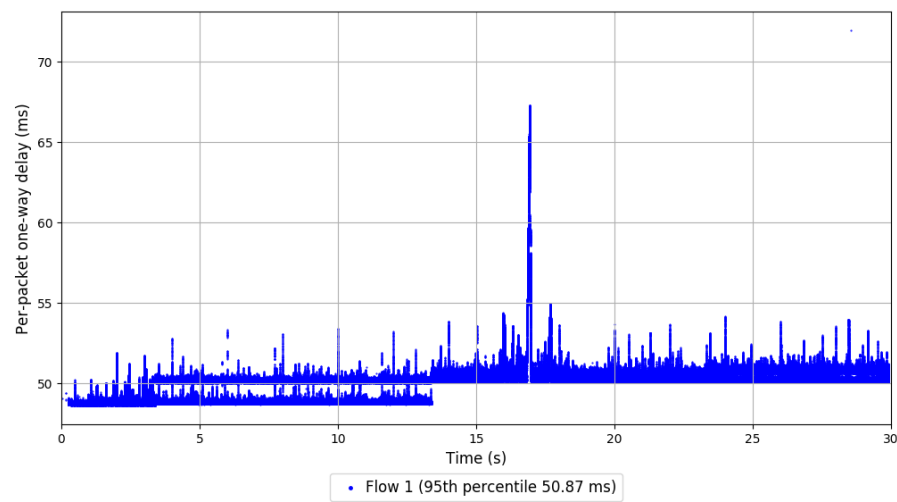
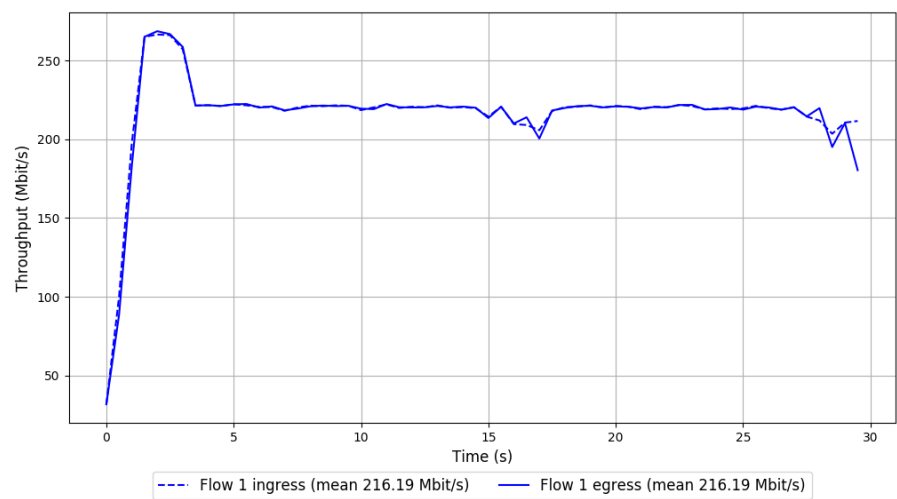


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 12:35:52
End at: 2018-04-17 12:36:22

# Below is generated by plot.py at 2018-04-17 17:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.19 Mbit/s
95th percentile per-packet one-way delay: 50.870 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 216.19 Mbit/s
95th percentile per-packet one-way delay: 50.870 ms
Loss rate: 0.42%
```

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

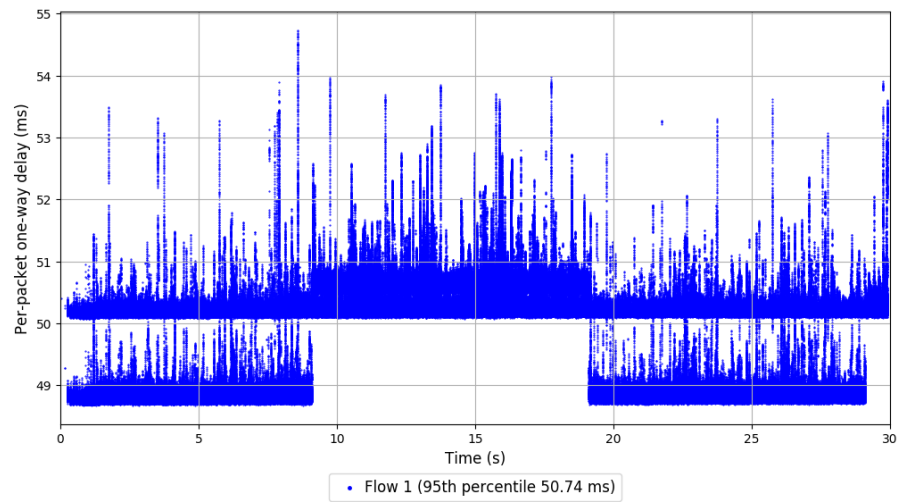
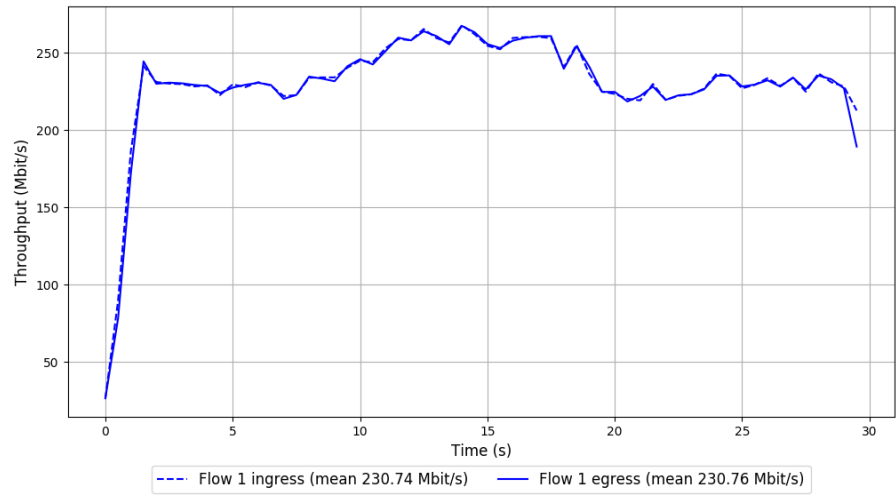


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 12:48:46
End at: 2018-04-17 12:49:16

# Below is generated by plot.py at 2018-04-17 17:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.76 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 230.76 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.33%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 13:01:43

End at: 2018-04-17 13:02:13

Below is generated by plot.py at 2018-04-17 17:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.26 Mbit/s

95th percentile per-packet one-way delay: 50.994 ms

Loss rate: 0.19%

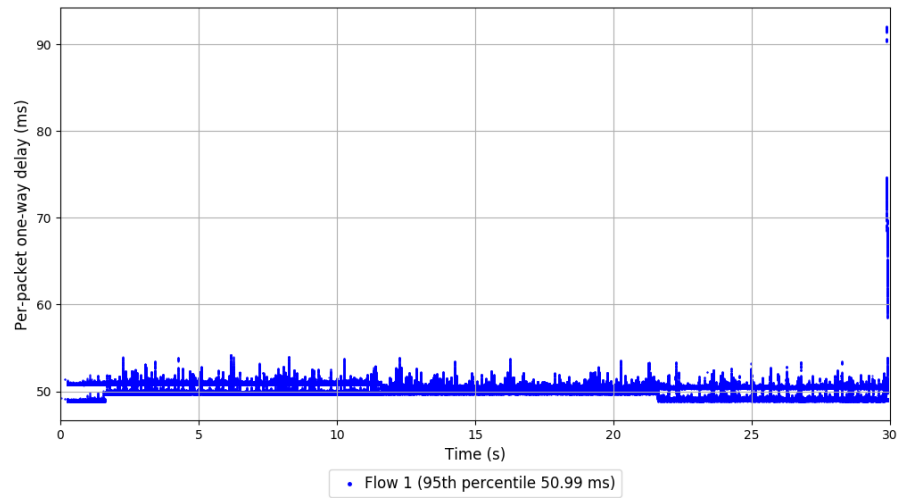
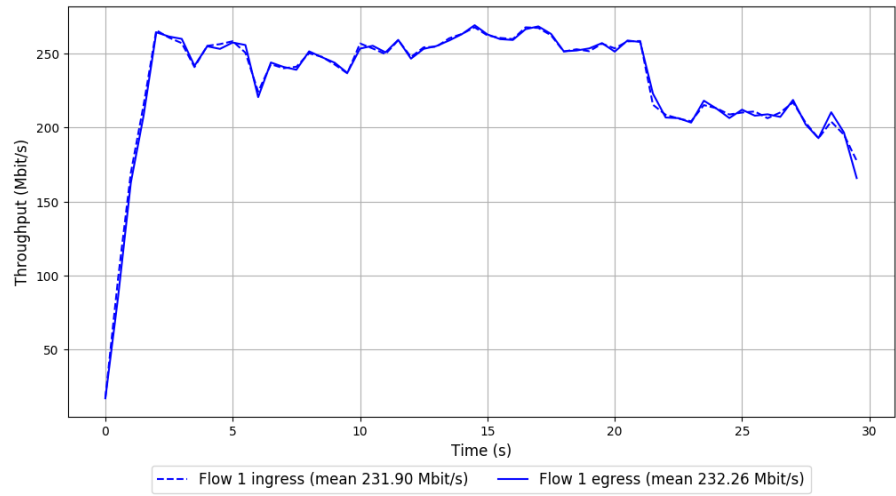
-- Flow 1:

Average throughput: 232.26 Mbit/s

95th percentile per-packet one-way delay: 50.994 ms

Loss rate: 0.19%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 13:14:40

End at: 2018-04-17 13:15:10

Below is generated by plot.py at 2018-04-17 17:08:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.38 Mbit/s

95th percentile per-packet one-way delay: 52.392 ms

Loss rate: 0.37%

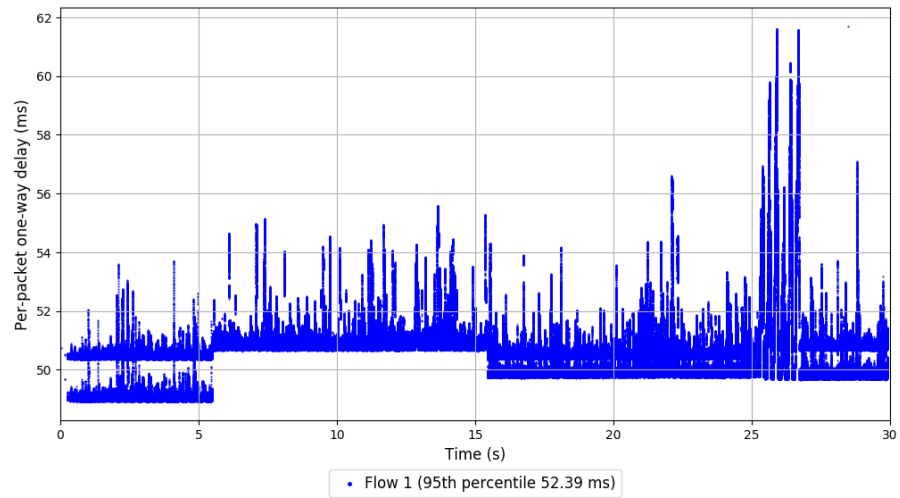
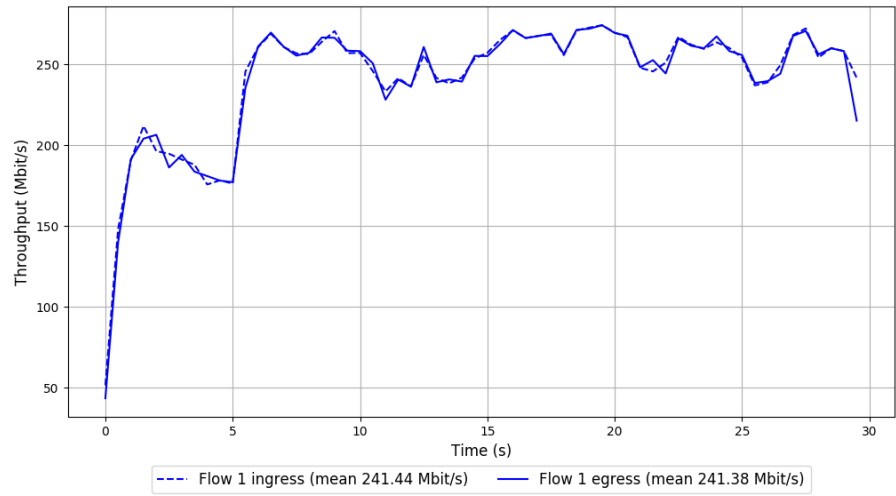
-- Flow 1:

Average throughput: 241.38 Mbit/s

95th percentile per-packet one-way delay: 52.392 ms

Loss rate: 0.37%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 13:27:42

End at: 2018-04-17 13:28:12

Below is generated by plot.py at 2018-04-17 17:08:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.67 Mbit/s

95th percentile per-packet one-way delay: 51.338 ms

Loss rate: 0.40%

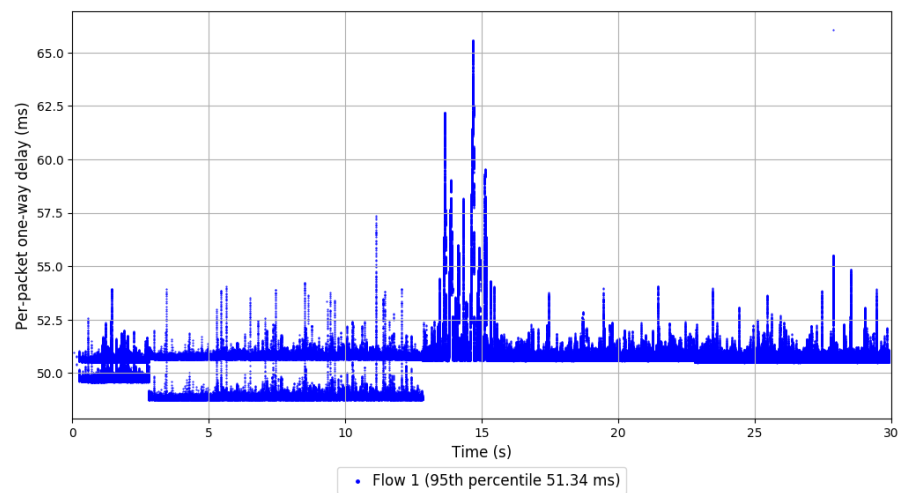
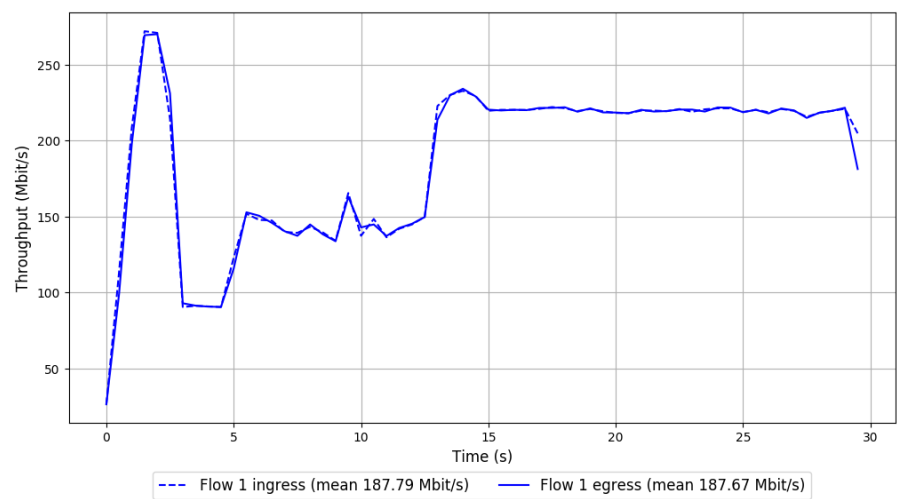
-- Flow 1:

Average throughput: 187.67 Mbit/s

95th percentile per-packet one-way delay: 51.338 ms

Loss rate: 0.40%

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

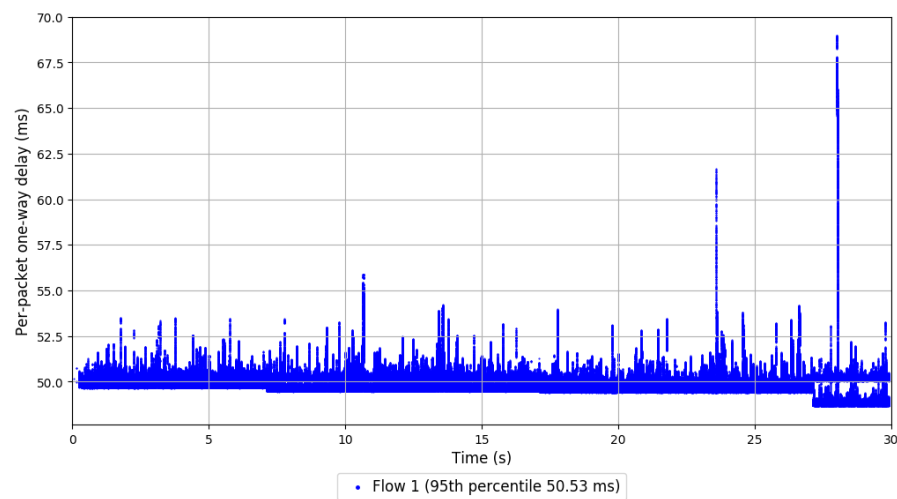
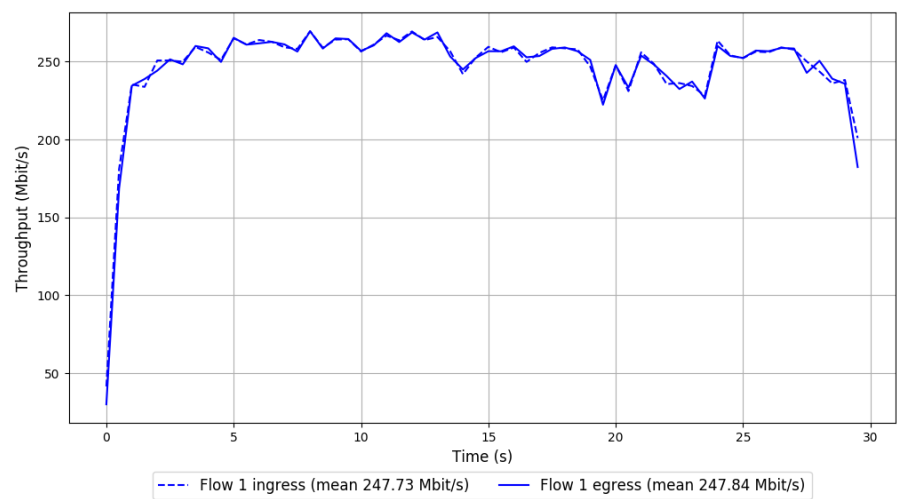


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 13:40:38
End at: 2018-04-17 13:41:08

# Below is generated by plot.py at 2018-04-17 17:14:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 247.84 Mbit/s
95th percentile per-packet one-way delay: 50.535 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 247.84 Mbit/s
95th percentile per-packet one-way delay: 50.535 ms
Loss rate: 0.29%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 13:53:39

End at: 2018-04-17 13:54:09

Below is generated by plot.py at 2018-04-17 17:14:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.01 Mbit/s

95th percentile per-packet one-way delay: 50.565 ms

Loss rate: 0.29%

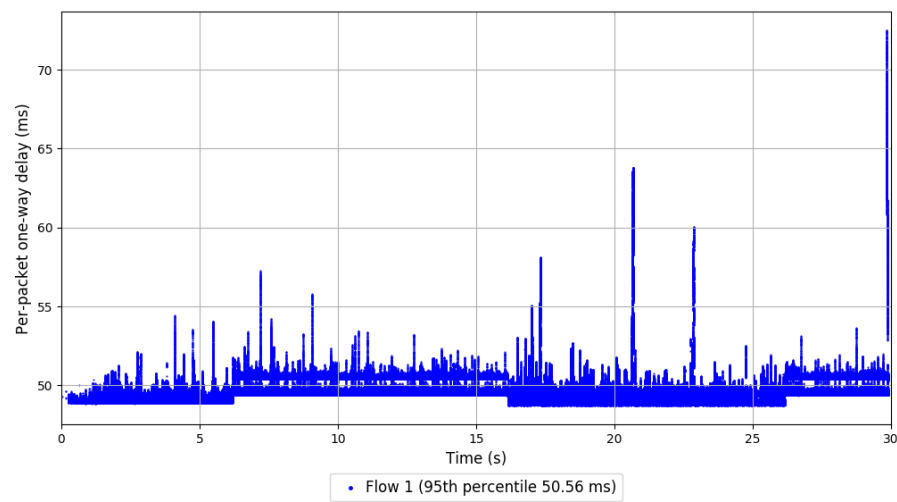
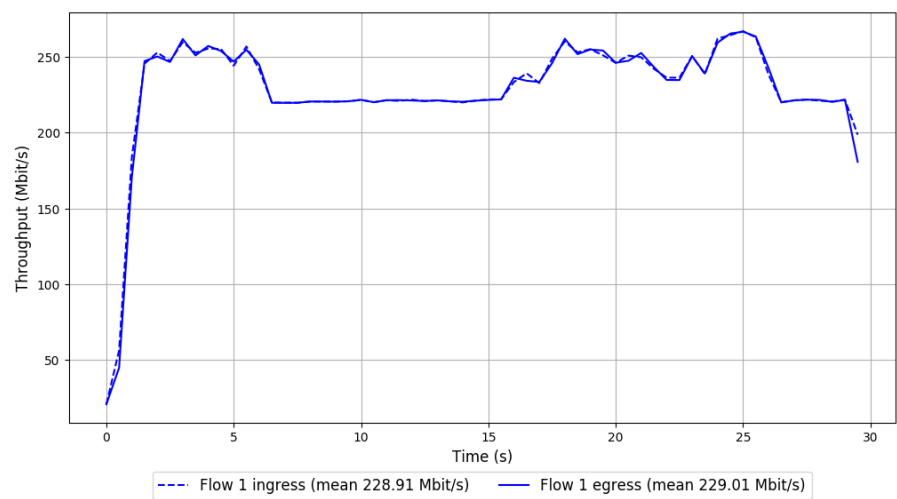
-- Flow 1:

Average throughput: 229.01 Mbit/s

95th percentile per-packet one-way delay: 50.565 ms

Loss rate: 0.29%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 14:06:36

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

Below is generated by plot.py at 2018-04-17 17:14:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.55 Mbit/s

95th percentile per-packet one-way delay: 50.851 ms

Loss rate: 0.41%

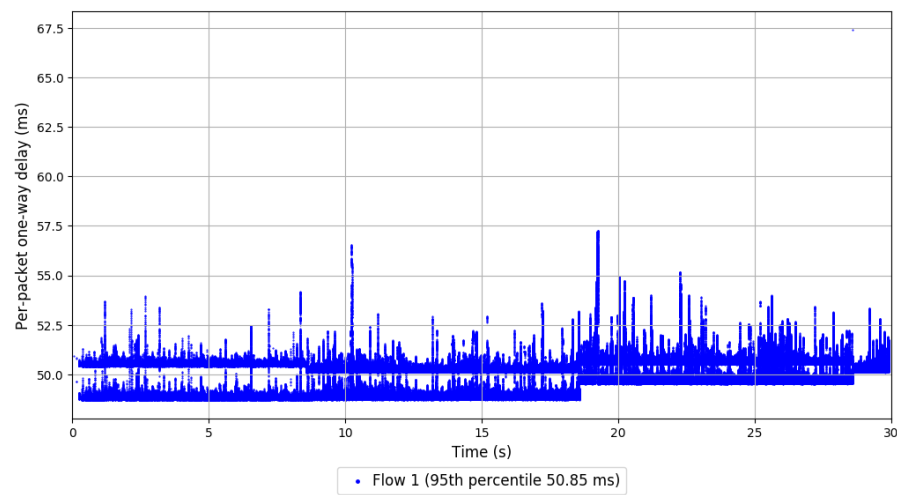
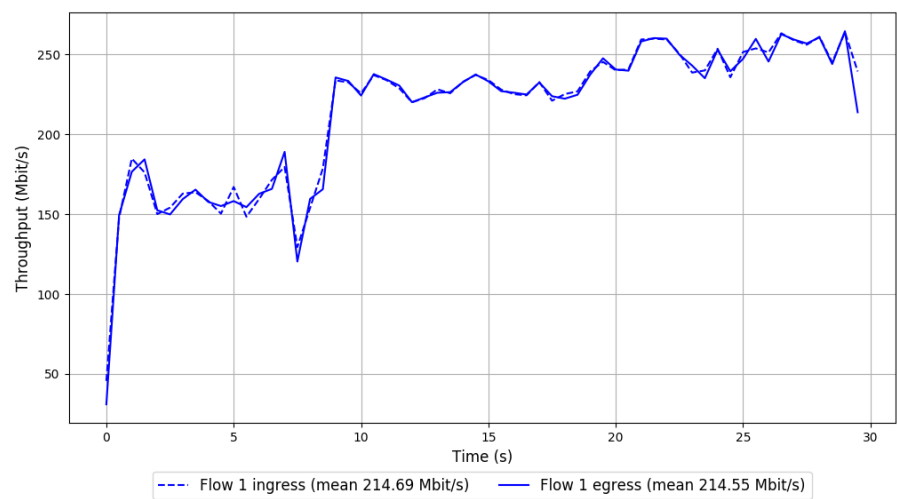
-- Flow 1:

Average throughput: 214.55 Mbit/s

95th percentile per-packet one-way delay: 50.851 ms

Loss rate: 0.41%

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

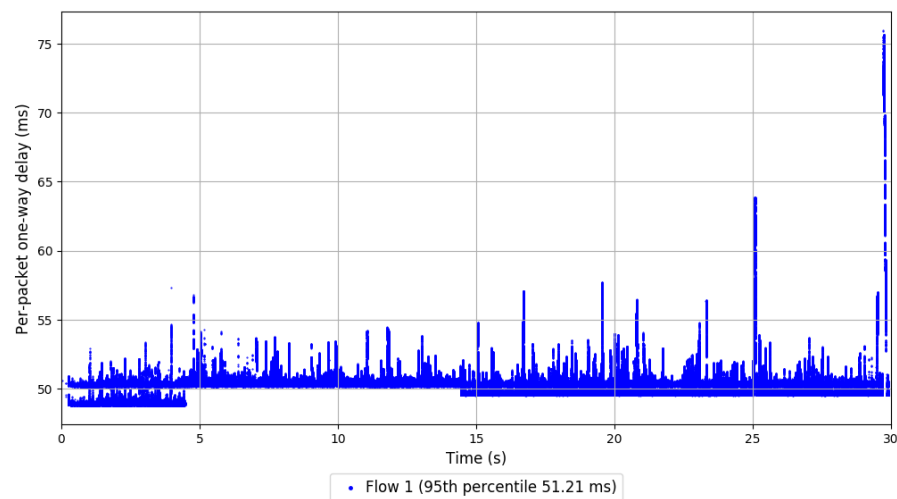
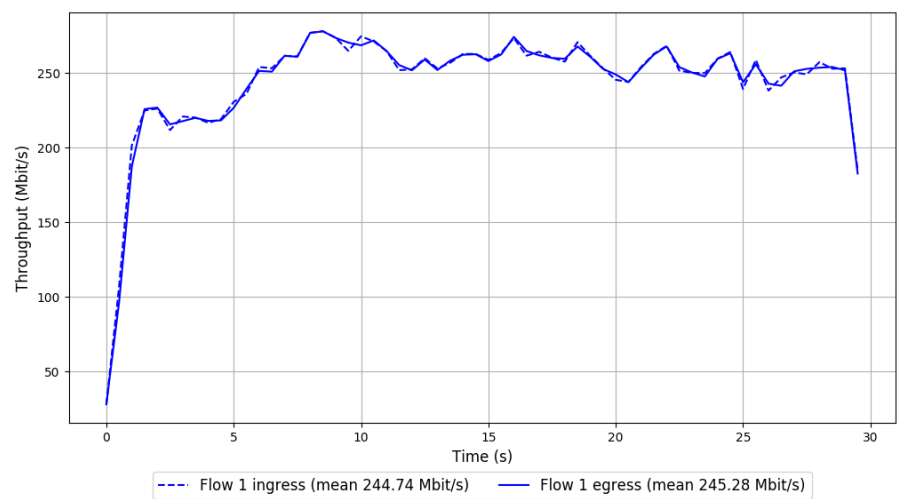


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 14:19:41
End at: 2018-04-17 14:20:11

# Below is generated by plot.py at 2018-04-17 17:15:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 245.28 Mbit/s
95th percentile per-packet one-way delay: 51.212 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 245.28 Mbit/s
95th percentile per-packet one-way delay: 51.212 ms
Loss rate: 0.19%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 12:25:33

End at: 2018-04-17 12:26:03

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.93 Mbit/s

95th percentile per-packet one-way delay: 51.321 ms

Loss rate: 0.35%

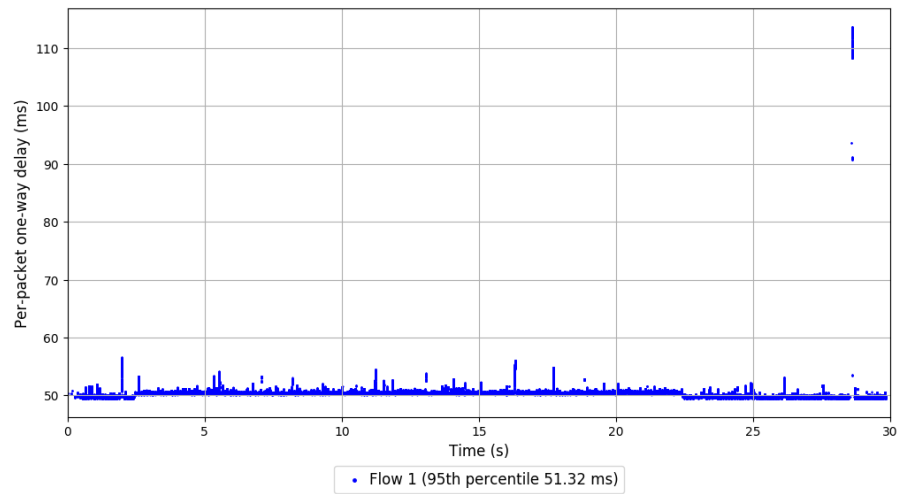
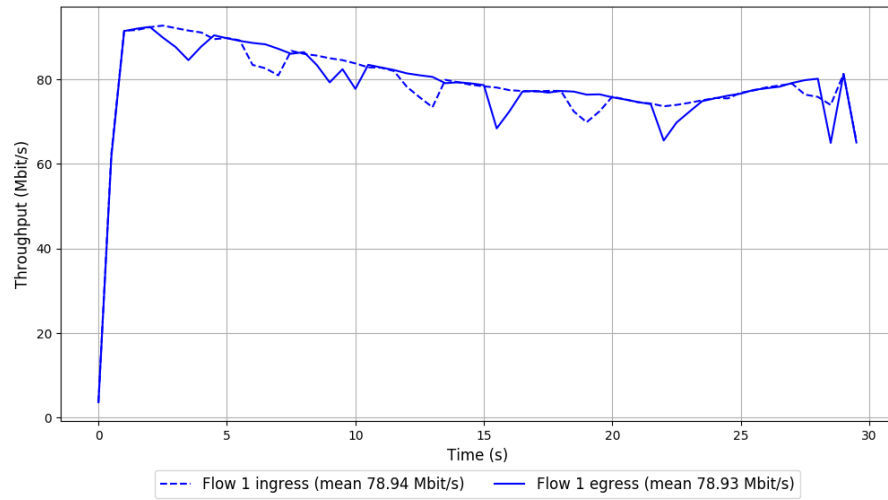
-- Flow 1:

Average throughput: 78.93 Mbit/s

95th percentile per-packet one-way delay: 51.321 ms

Loss rate: 0.35%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 12:38:31

End at: 2018-04-17 12:39:01

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 51.252 ms

Loss rate: 0.36%

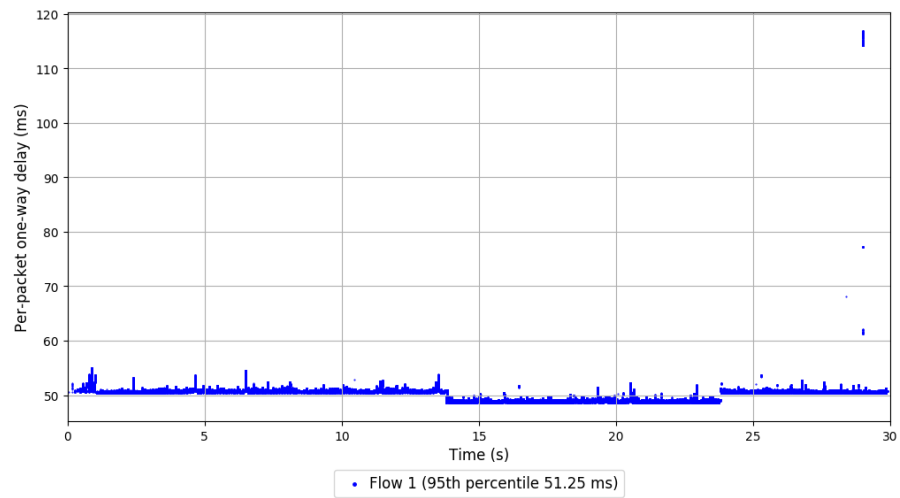
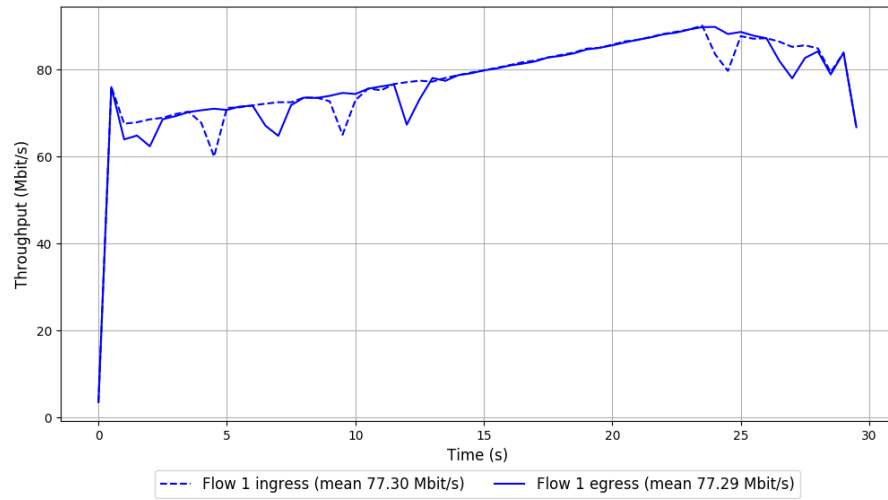
-- Flow 1:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 51.252 ms

Loss rate: 0.36%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 12:51:29

End at: 2018-04-17 12:51:59

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.01 Mbit/s

95th percentile per-packet one-way delay: 52.010 ms

Loss rate: 0.27%

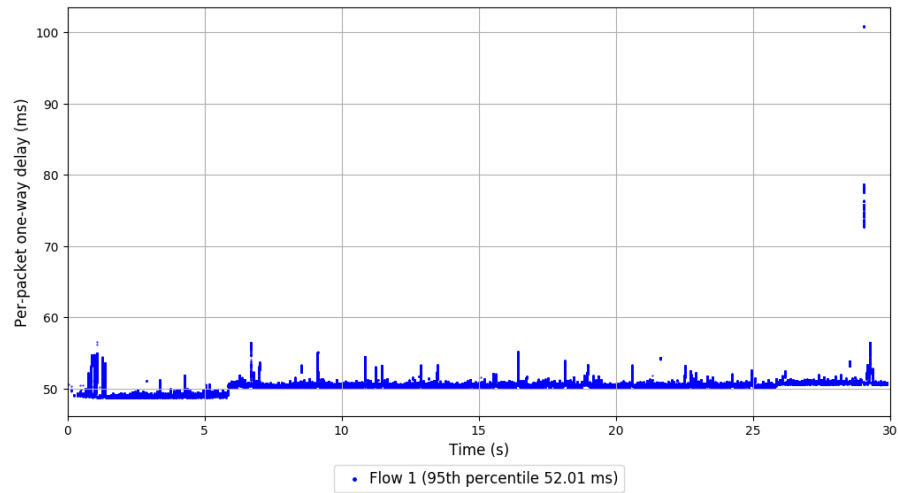
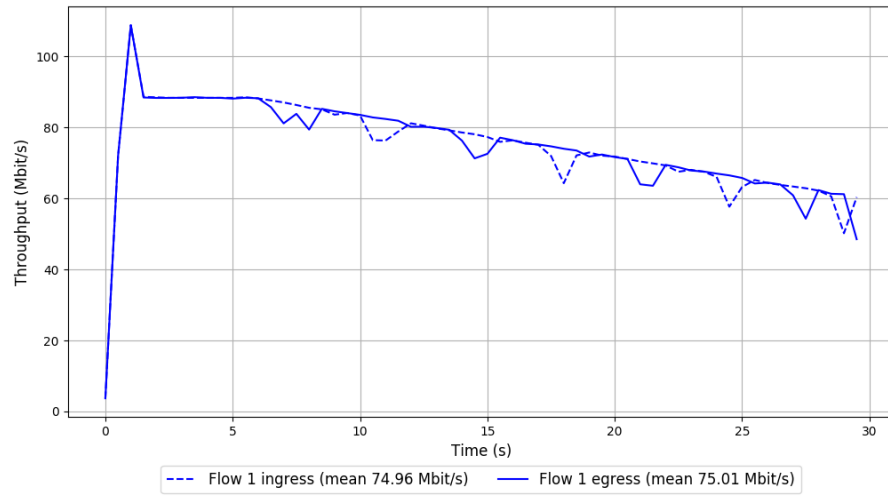
-- Flow 1:

Average throughput: 75.01 Mbit/s

95th percentile per-packet one-way delay: 52.010 ms

Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 13:04:26

End at: 2018-04-17 13:04:56

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 52.492 ms

Loss rate: 0.31%

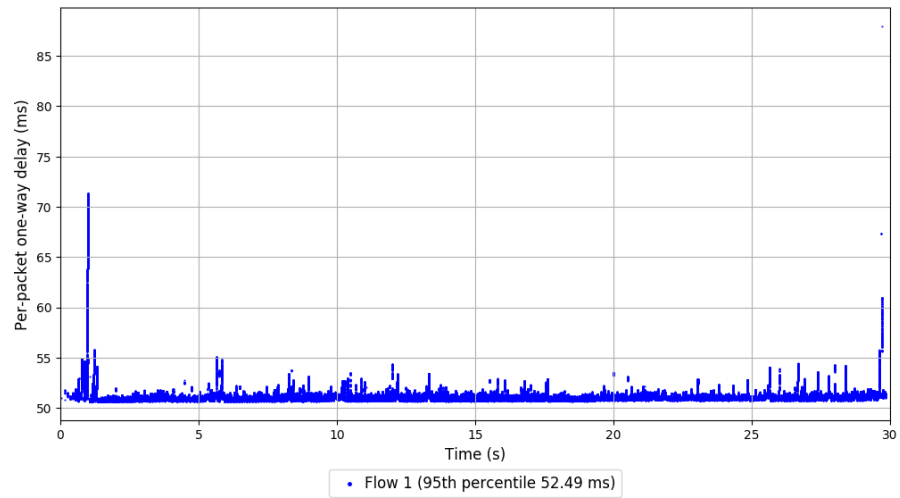
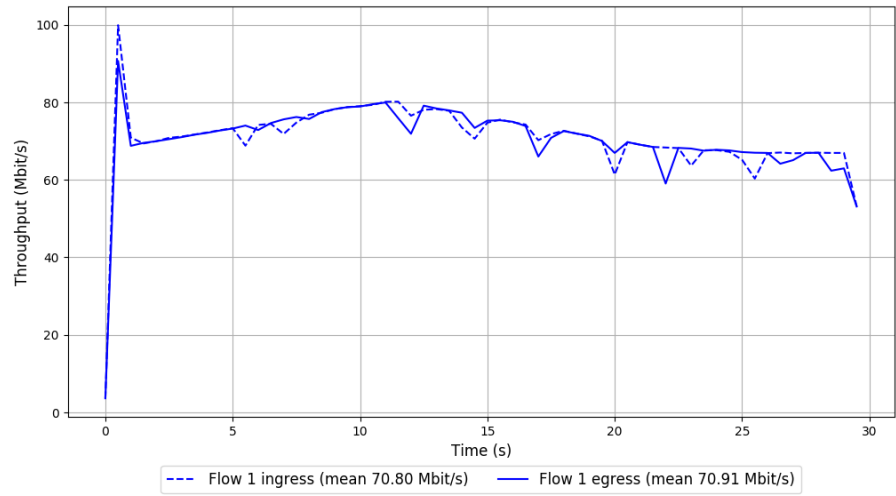
-- Flow 1:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 52.492 ms

Loss rate: 0.31%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 13:17:22

End at: 2018-04-17 13:17:52

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 55.825 ms

Loss rate: 0.26%

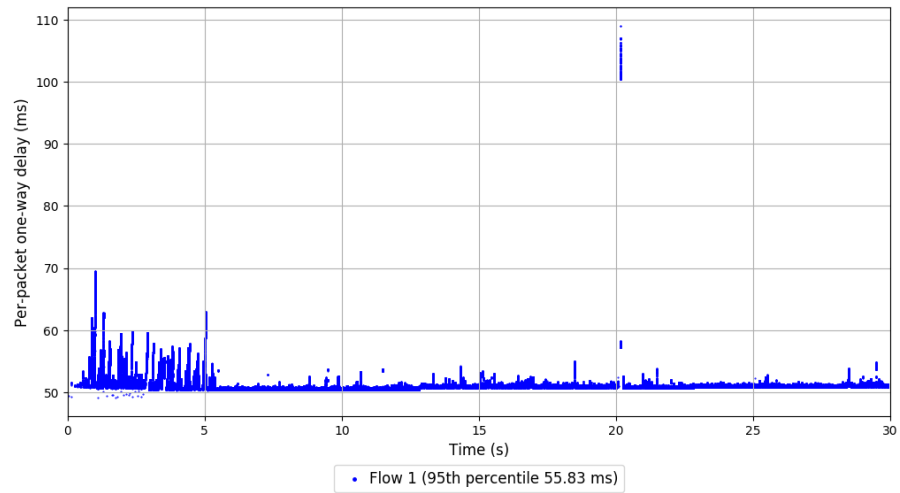
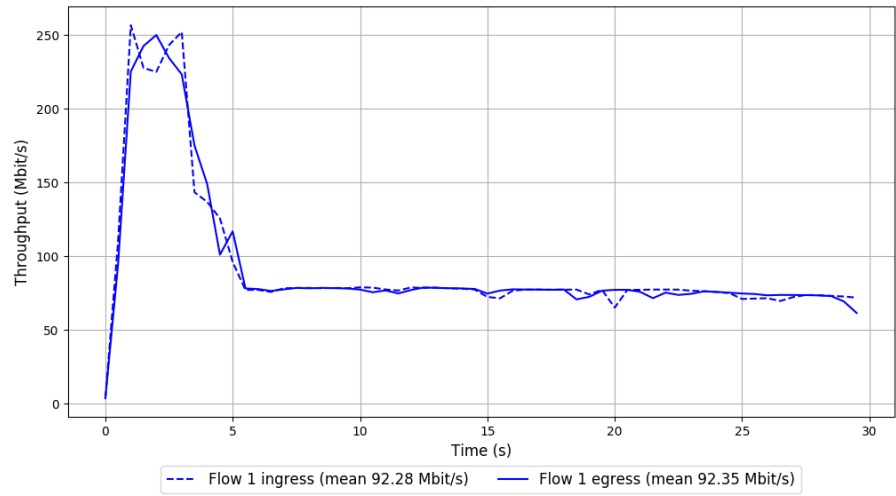
-- Flow 1:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 55.825 ms

Loss rate: 0.26%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 13:30:21

End at: 2018-04-17 13:30:51

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.44 Mbit/s

95th percentile per-packet one-way delay: 52.195 ms

Loss rate: 0.28%

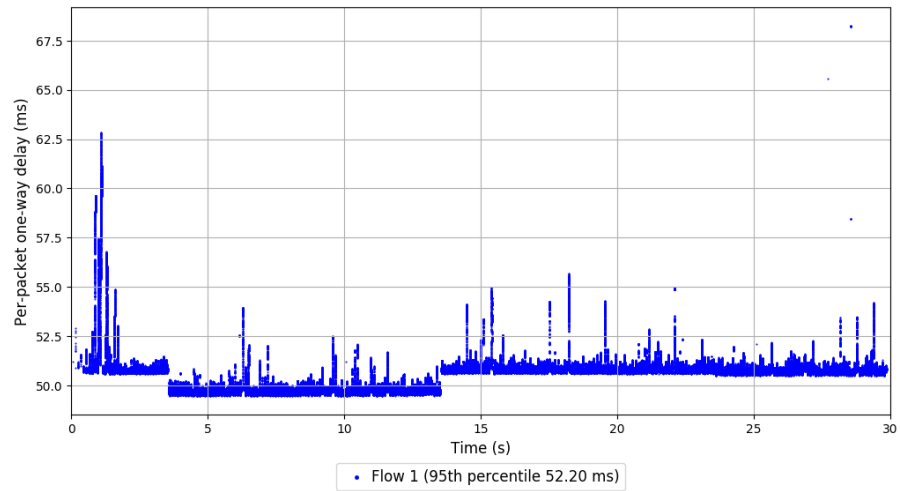
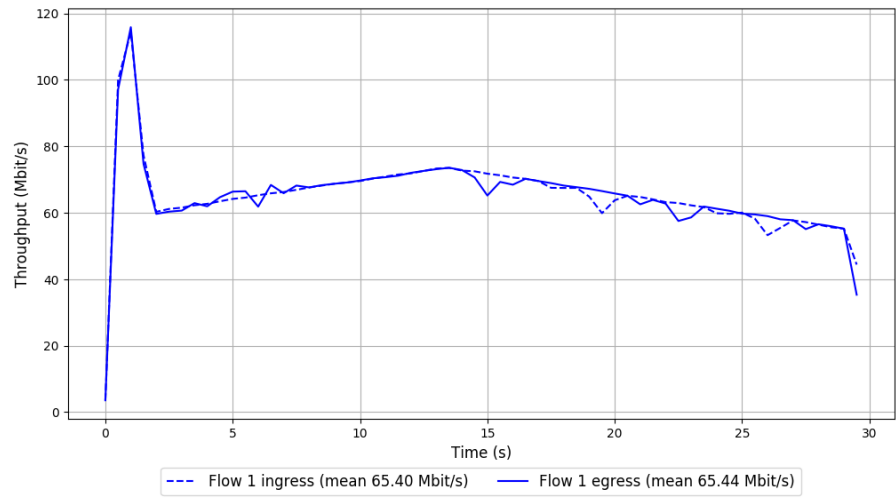
-- Flow 1:

Average throughput: 65.44 Mbit/s

95th percentile per-packet one-way delay: 52.195 ms

Loss rate: 0.28%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 13:43:22

End at: 2018-04-17 13:43:52

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 50.457 ms

Loss rate: 0.43%

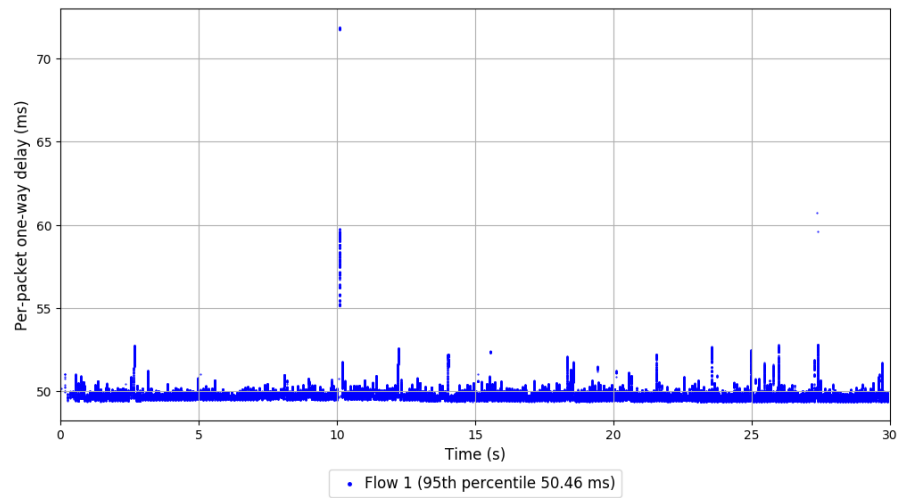
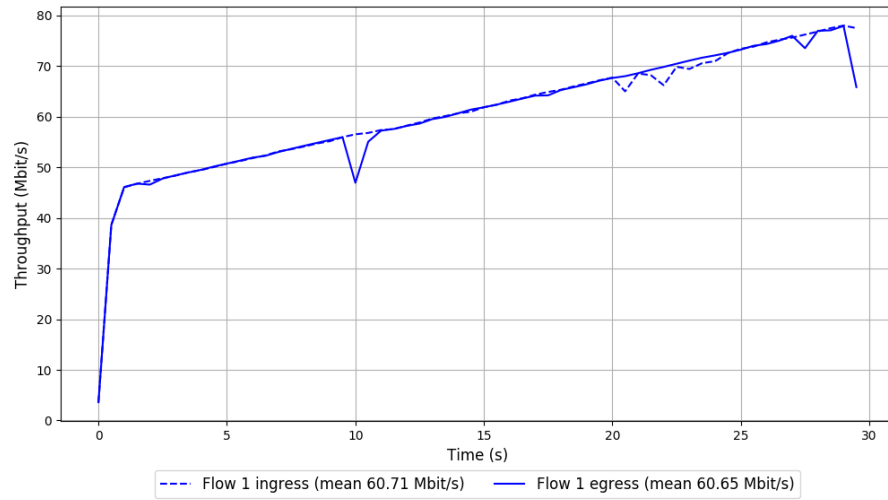
-- Flow 1:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 50.457 ms

Loss rate: 0.43%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 13:56:22

End at: 2018-04-17 13:56:52

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 51.692 ms

Loss rate: 0.35%

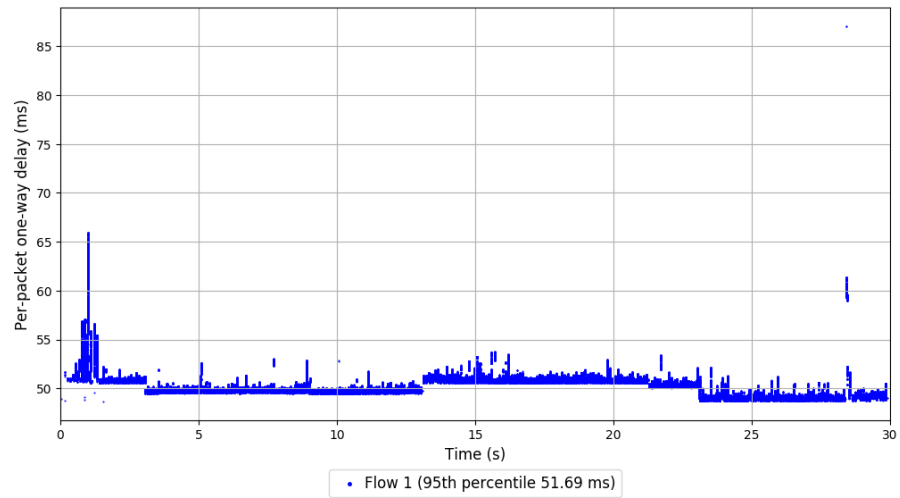
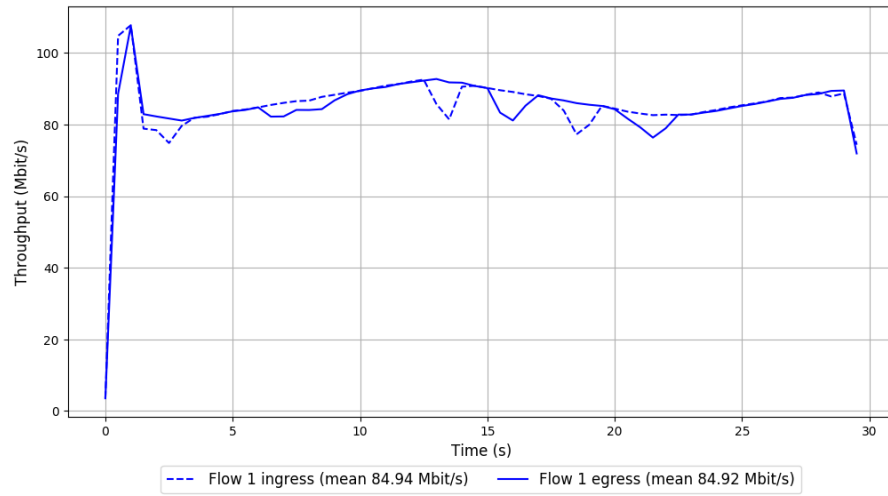
-- Flow 1:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 51.692 ms

Loss rate: 0.35%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 14:09:18

End at: 2018-04-17 14:09:48

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.55 Mbit/s

95th percentile per-packet one-way delay: 51.672 ms

Loss rate: 0.35%

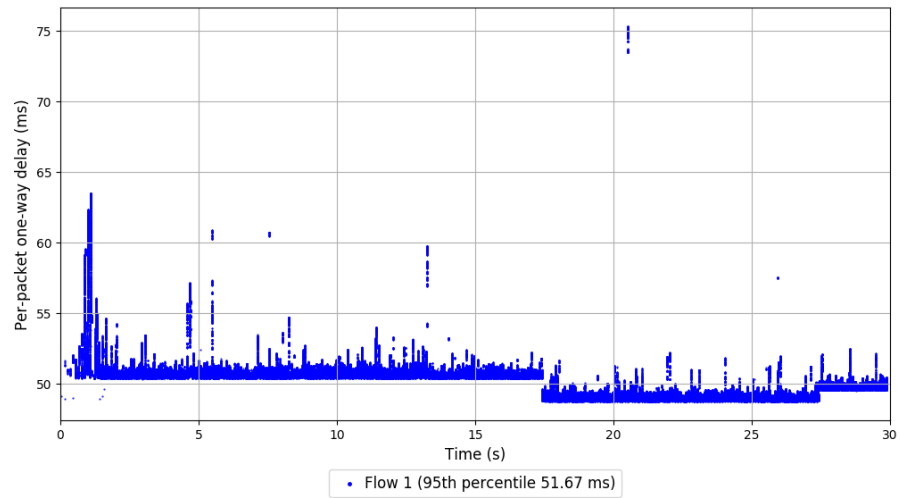
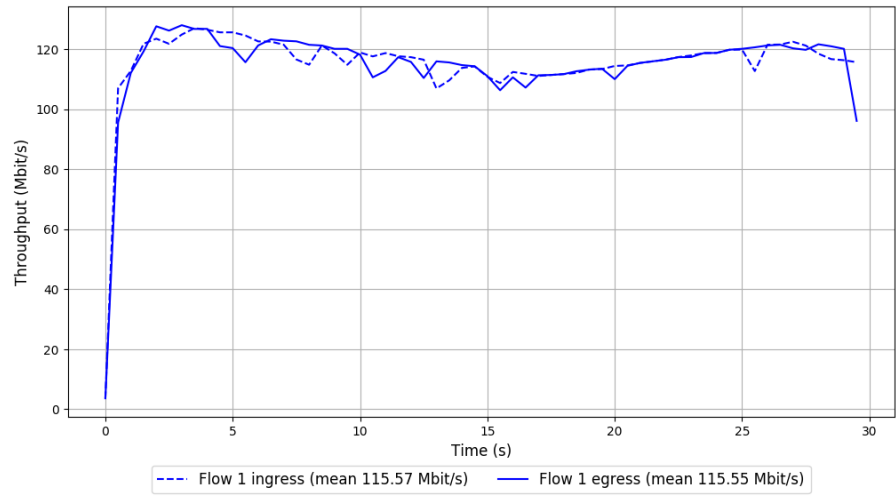
-- Flow 1:

Average throughput: 115.55 Mbit/s

95th percentile per-packet one-way delay: 51.672 ms

Loss rate: 0.35%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 14:22:24

End at: 2018-04-17 14:22:54

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.97 Mbit/s

95th percentile per-packet one-way delay: 51.872 ms

Loss rate: 0.28%

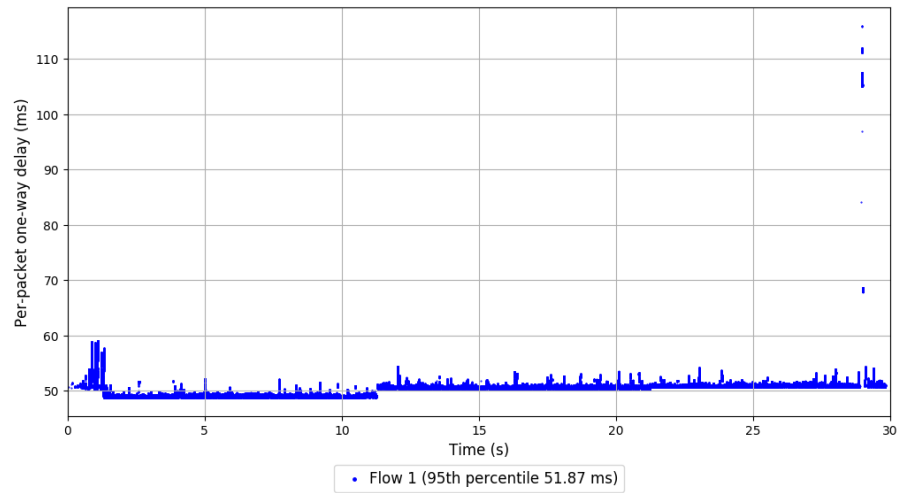
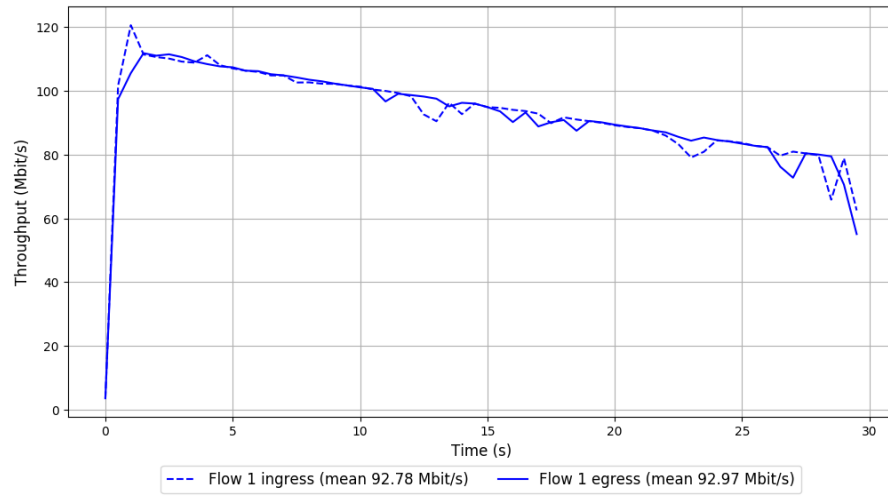
-- Flow 1:

Average throughput: 92.97 Mbit/s

95th percentile per-packet one-way delay: 51.872 ms

Loss rate: 0.28%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-17 12:20:07

End at: 2018-04-17 12:20:37

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.08 Mbit/s

95th percentile per-packet one-way delay: 160.590 ms

Loss rate: 0.73%

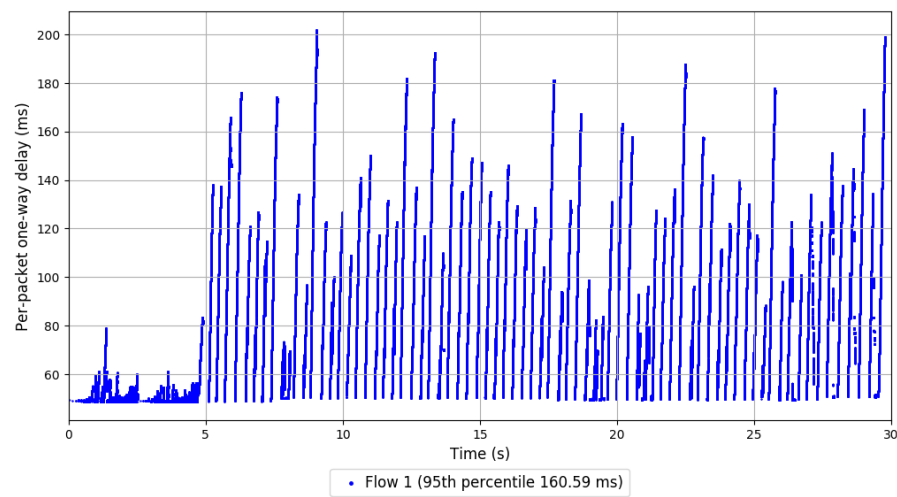
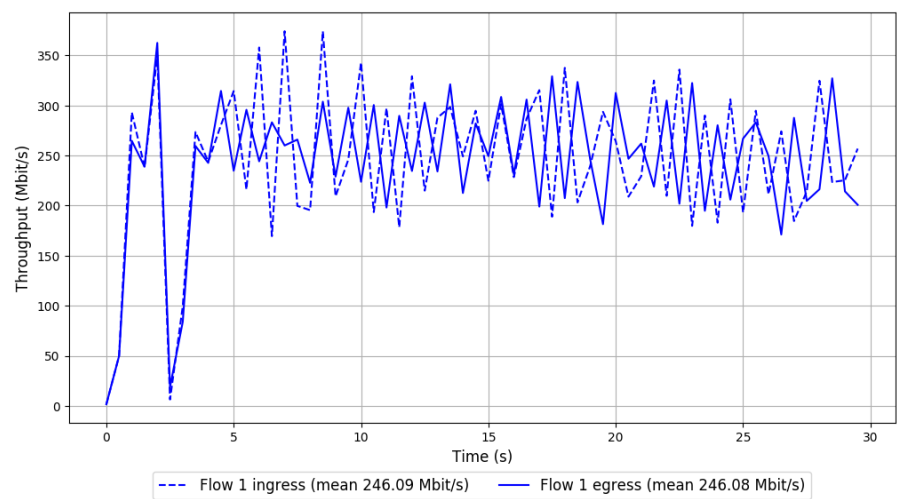
-- Flow 1:

Average throughput: 246.08 Mbit/s

95th percentile per-packet one-way delay: 160.590 ms

Loss rate: 0.73%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-17 12:33:08

End at: 2018-04-17 12:33:38

Below is generated by plot.py at 2018-04-17 17:15:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.32 Mbit/s

95th percentile per-packet one-way delay: 144.787 ms

Loss rate: 0.31%

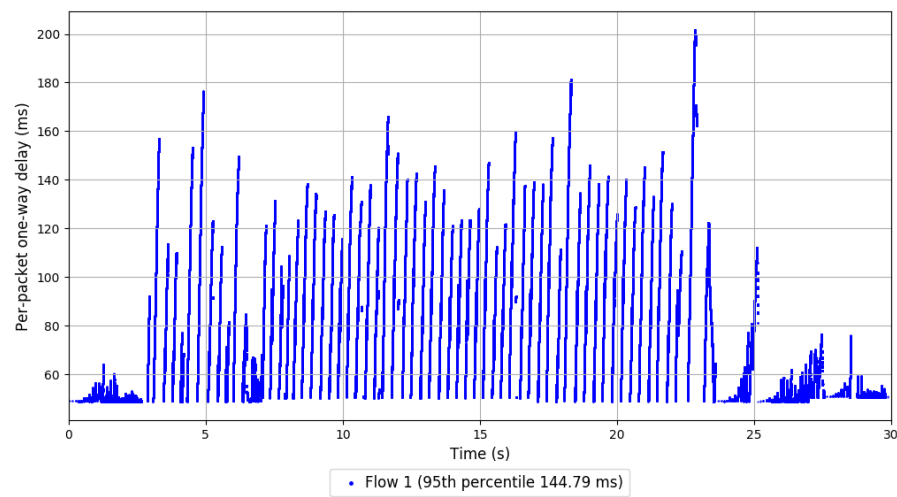
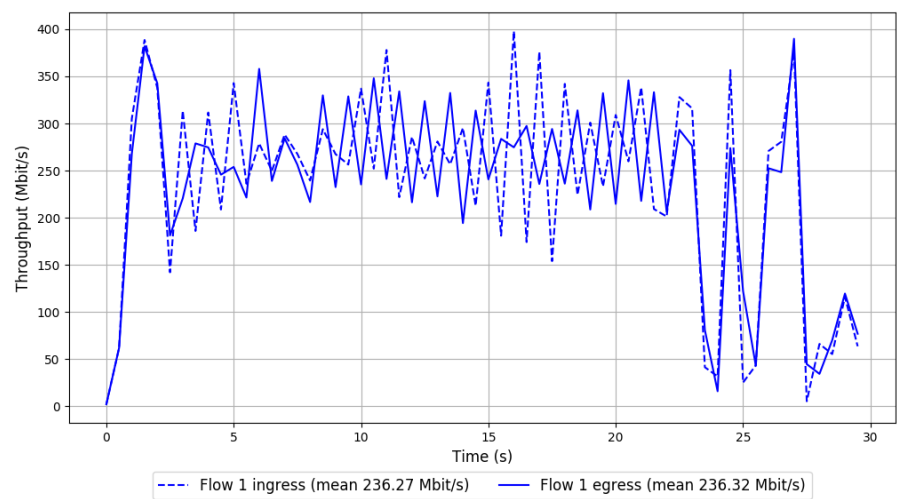
-- Flow 1:

Average throughput: 236.32 Mbit/s

95th percentile per-packet one-way delay: 144.787 ms

Loss rate: 0.31%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-17 12:46:03

End at: 2018-04-17 12:46:33

Below is generated by plot.py at 2018-04-17 17:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.89 Mbit/s

95th percentile per-packet one-way delay: 96.732 ms

Loss rate: 0.64%

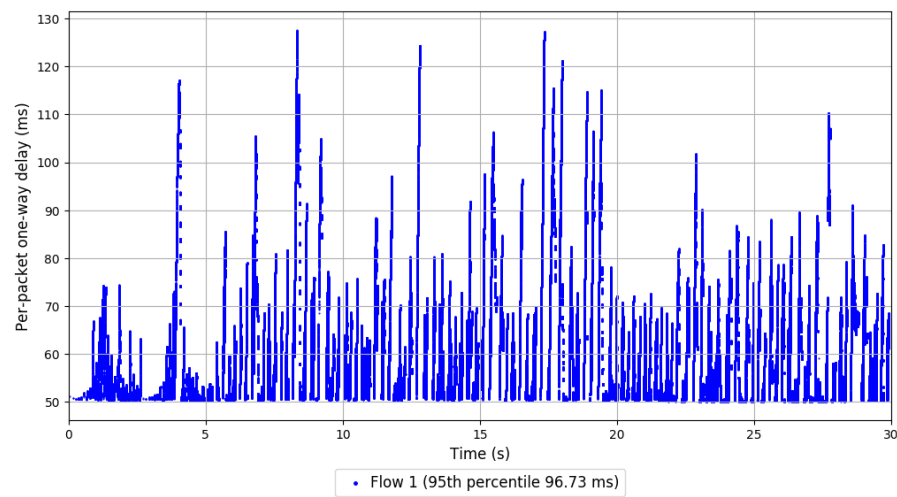
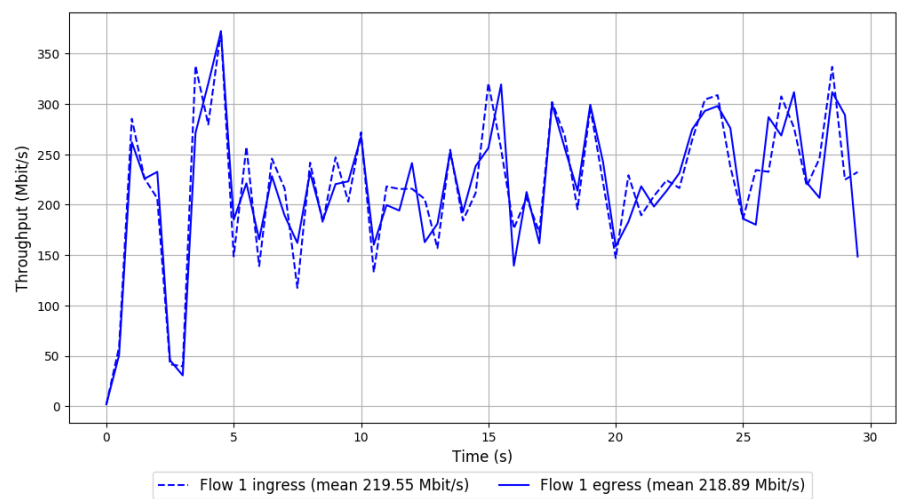
-- Flow 1:

Average throughput: 218.89 Mbit/s

95th percentile per-packet one-way delay: 96.732 ms

Loss rate: 0.64%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-17 12:59:03

End at: 2018-04-17 12:59:33

Below is generated by plot.py at 2018-04-17 17:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.08 Mbit/s

95th percentile per-packet one-way delay: 78.522 ms

Loss rate: 0.47%

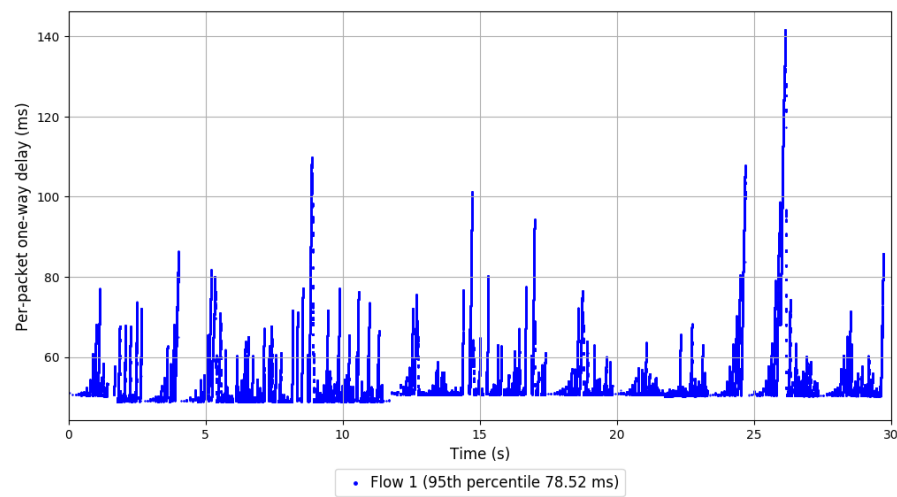
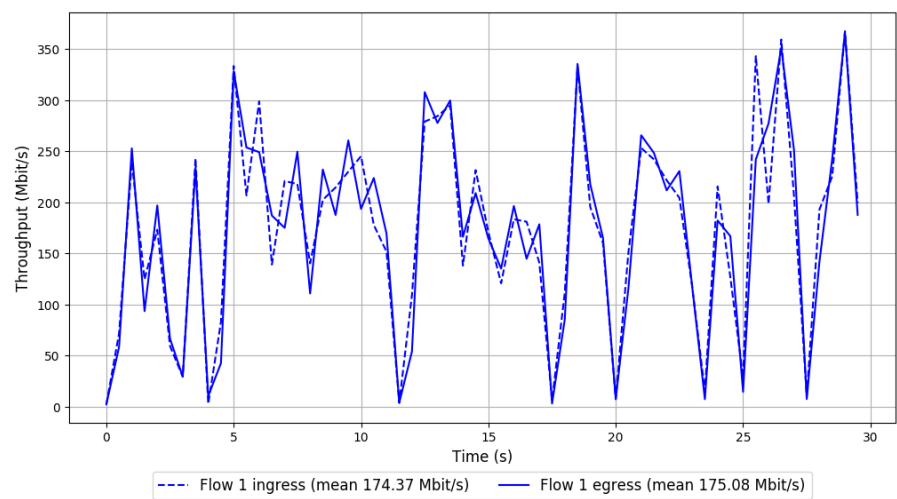
-- Flow 1:

Average throughput: 175.08 Mbit/s

95th percentile per-packet one-way delay: 78.522 ms

Loss rate: 0.47%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 13:11:59

End at: 2018-04-17 13:12:29

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.61 Mbit/s

95th percentile per-packet one-way delay: 104.491 ms

Loss rate: 1.26%

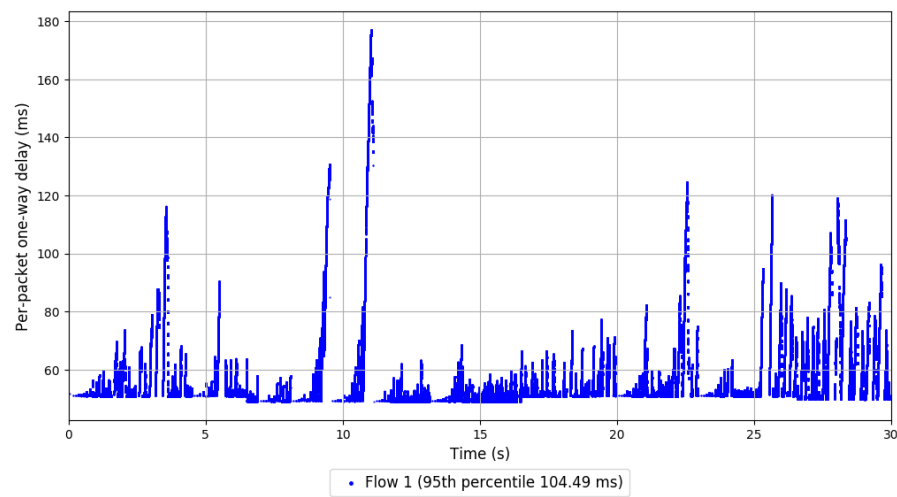
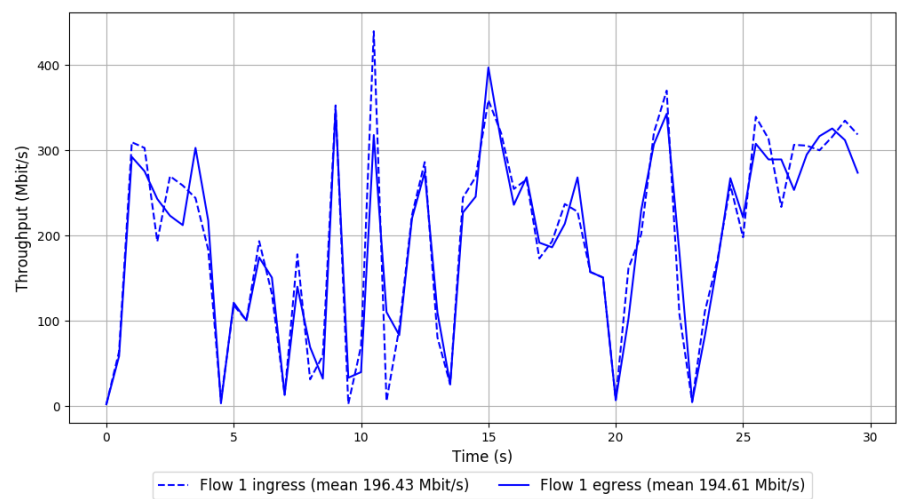
-- Flow 1:

Average throughput: 194.61 Mbit/s

95th percentile per-packet one-way delay: 104.491 ms

Loss rate: 1.26%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-17 13:24:58

End at: 2018-04-17 13:25:28

Below is generated by plot.py at 2018-04-17 17:18:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.41 Mbit/s

95th percentile per-packet one-way delay: 98.456 ms

Loss rate: 0.56%

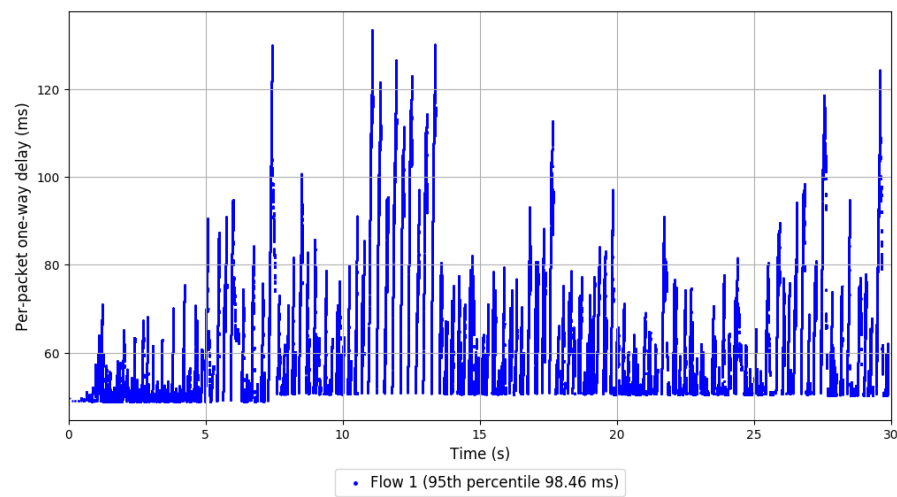
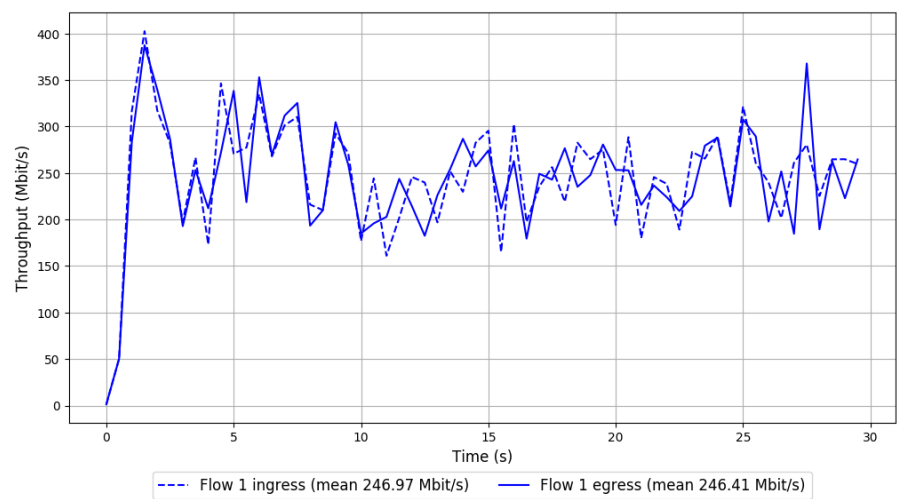
-- Flow 1:

Average throughput: 246.41 Mbit/s

95th percentile per-packet one-way delay: 98.456 ms

Loss rate: 0.56%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-17 13:37:54

End at: 2018-04-17 13:38:24

Below is generated by plot.py at 2018-04-17 17:18:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.88 Mbit/s

95th percentile per-packet one-way delay: 80.945 ms

Loss rate: 0.65%

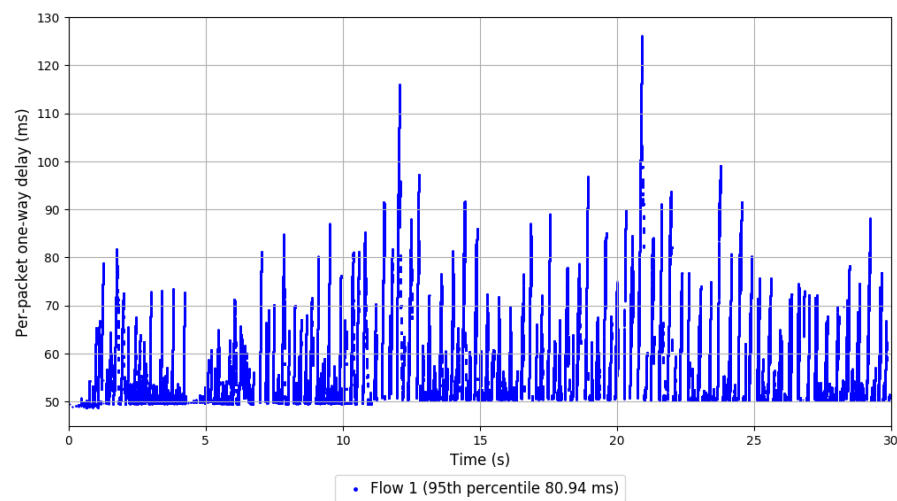
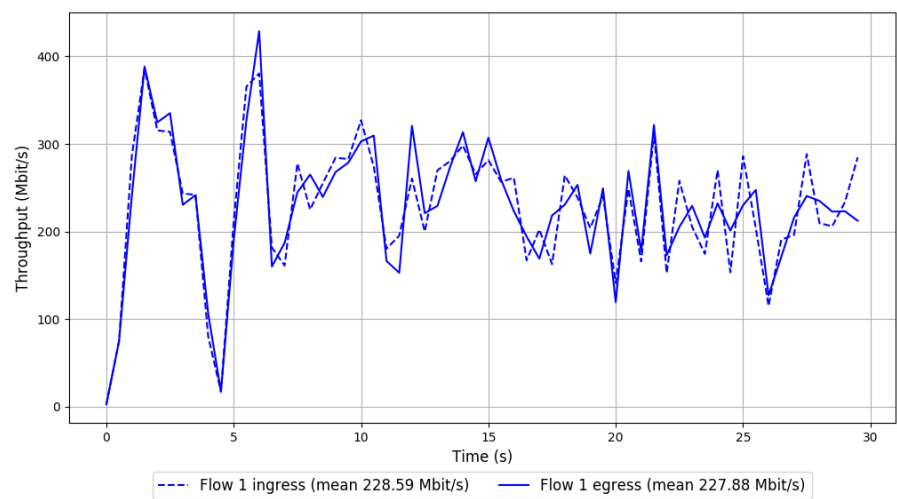
-- Flow 1:

Average throughput: 227.88 Mbit/s

95th percentile per-packet one-way delay: 80.945 ms

Loss rate: 0.65%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 13:50:56

End at: 2018-04-17 13:51:26

Below is generated by plot.py at 2018-04-17 17:19:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.16 Mbit/s

95th percentile per-packet one-way delay: 88.173 ms

Loss rate: 0.54%

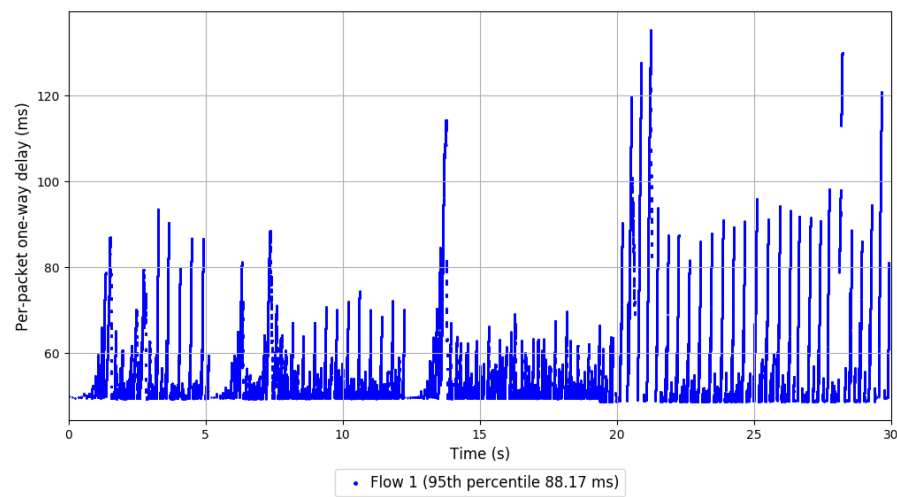
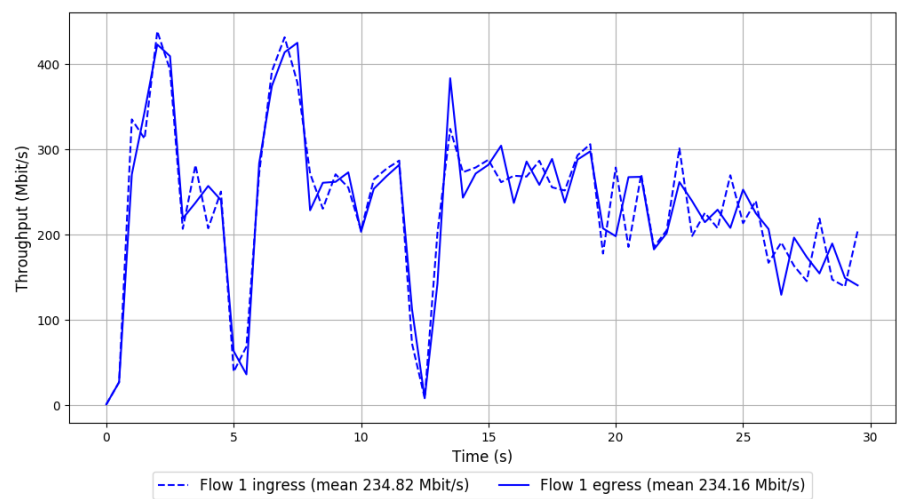
-- Flow 1:

Average throughput: 234.16 Mbit/s

95th percentile per-packet one-way delay: 88.173 ms

Loss rate: 0.54%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 14:03:53

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

Below is generated by plot.py at 2018-04-17 17:19:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.05 Mbit/s

95th percentile per-packet one-way delay: 182.022 ms

Loss rate: 0.73%

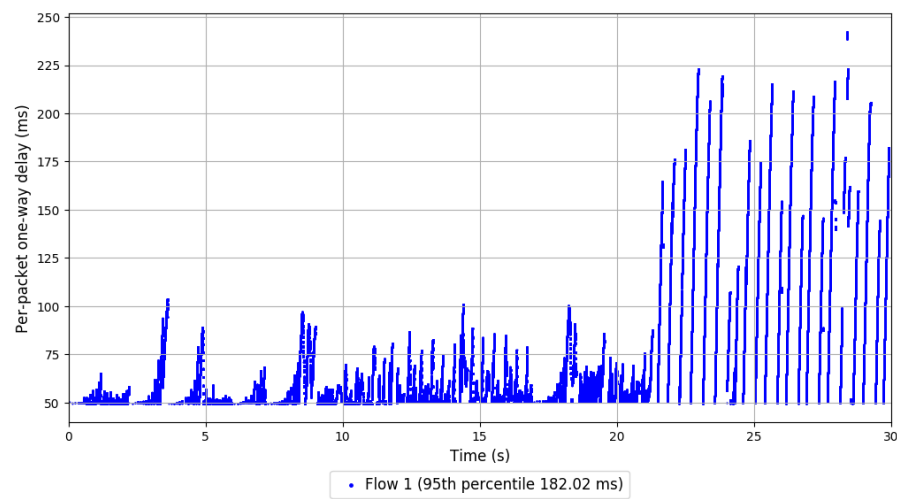
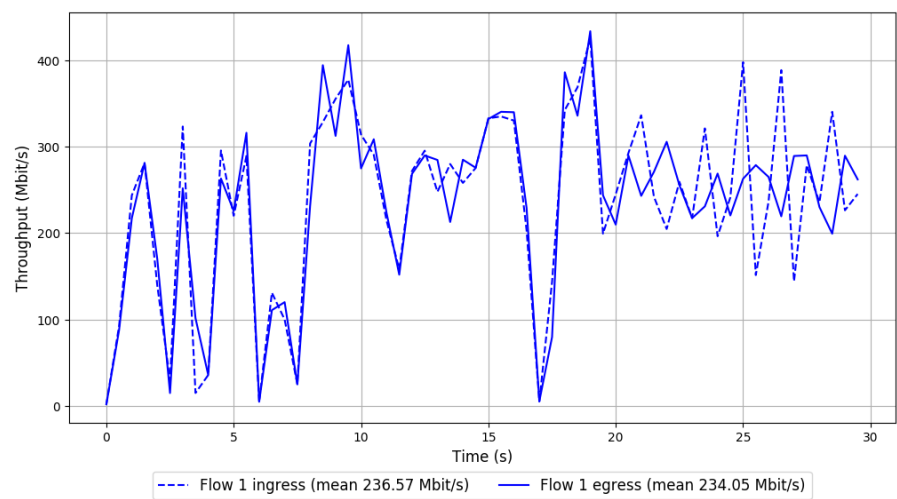
-- Flow 1:

Average throughput: 234.05 Mbit/s

95th percentile per-packet one-way delay: 182.022 ms

Loss rate: 0.73%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 14:16:57

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

Below is generated by plot.py at 2018-04-17 17:19:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.76 Mbit/s

95th percentile per-packet one-way delay: 83.210 ms

Loss rate: 1.09%

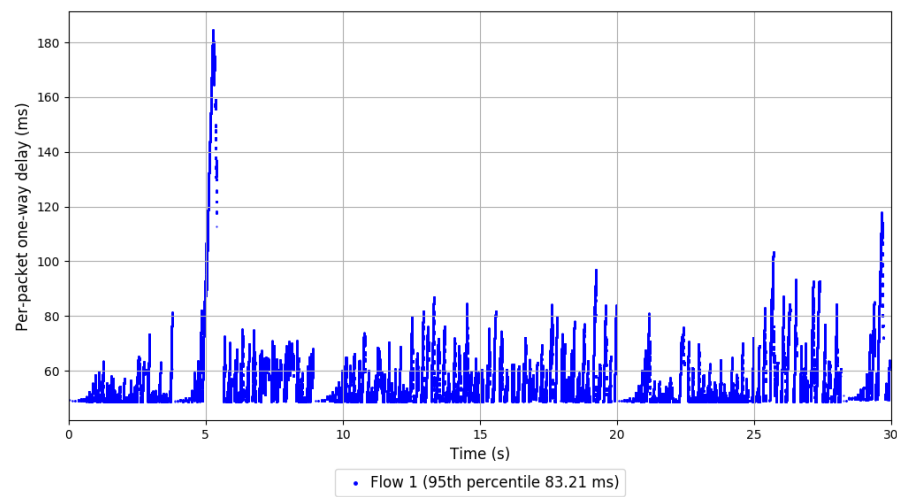
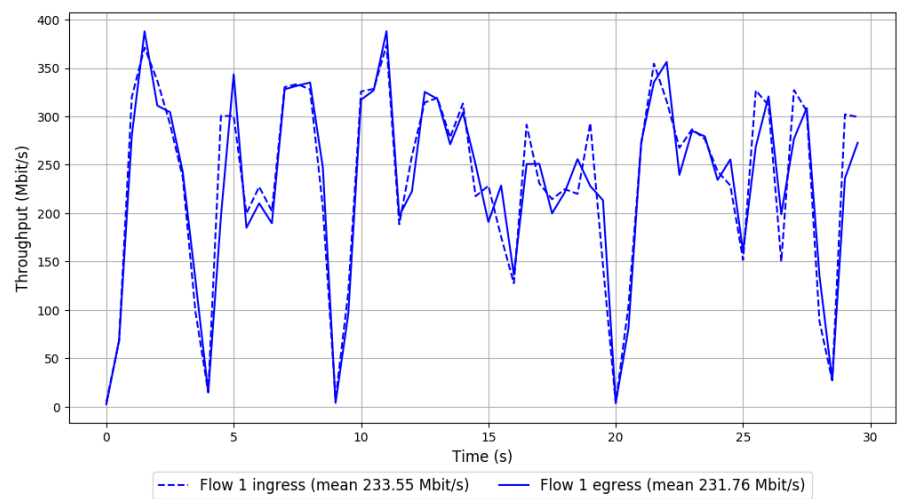
-- Flow 1:

Average throughput: 231.76 Mbit/s

95th percentile per-packet one-way delay: 83.210 ms

Loss rate: 1.09%

Run 10: Report of Verus — Data Link

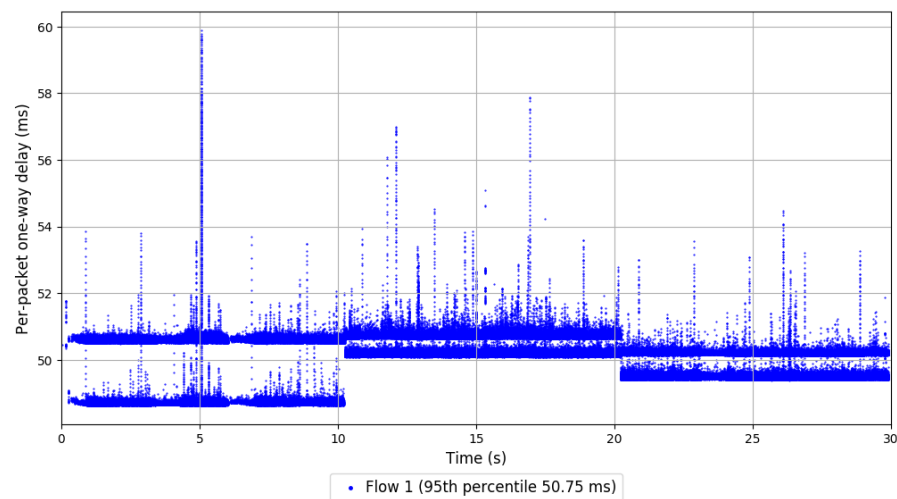
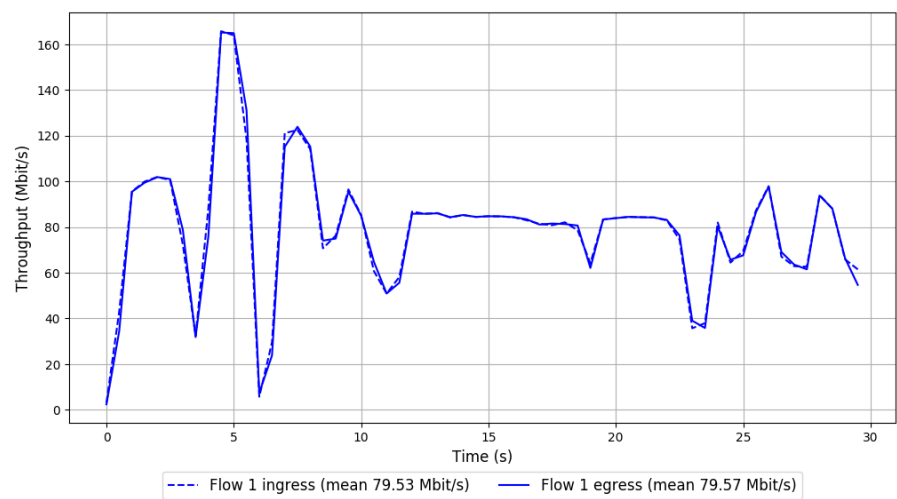


```
Run 1: Statistics of Copa

Start at: 2018-04-17 12:23:45
End at: 2018-04-17 12:24:15

# Below is generated by plot.py at 2018-04-17 17:19:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.57 Mbit/s
95th percentile per-packet one-way delay: 50.754 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 79.57 Mbit/s
95th percentile per-packet one-way delay: 50.754 ms
Loss rate: 0.28%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-17 12:36:47

End at: 2018-04-17 12:37:17

Below is generated by plot.py at 2018-04-17 17:19:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.08 Mbit/s

95th percentile per-packet one-way delay: 50.898 ms

Loss rate: 0.14%

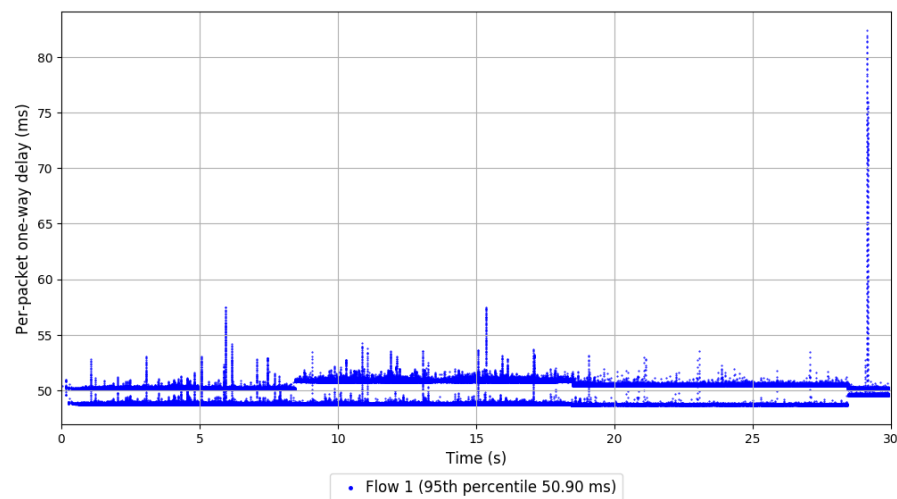
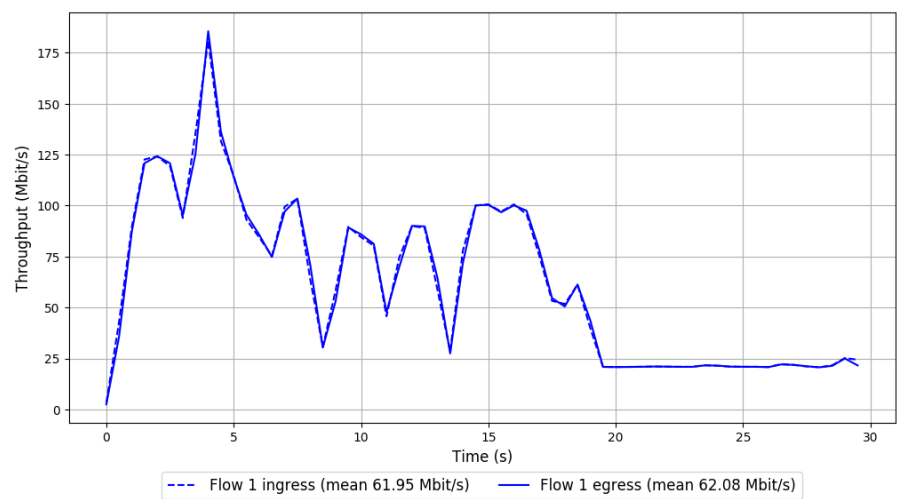
-- Flow 1:

Average throughput: 62.08 Mbit/s

95th percentile per-packet one-way delay: 50.898 ms

Loss rate: 0.14%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-17 12:49:42

End at: 2018-04-17 12:50:12

Below is generated by plot.py at 2018-04-17 17:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.73 Mbit/s

95th percentile per-packet one-way delay: 50.738 ms

Loss rate: 0.36%

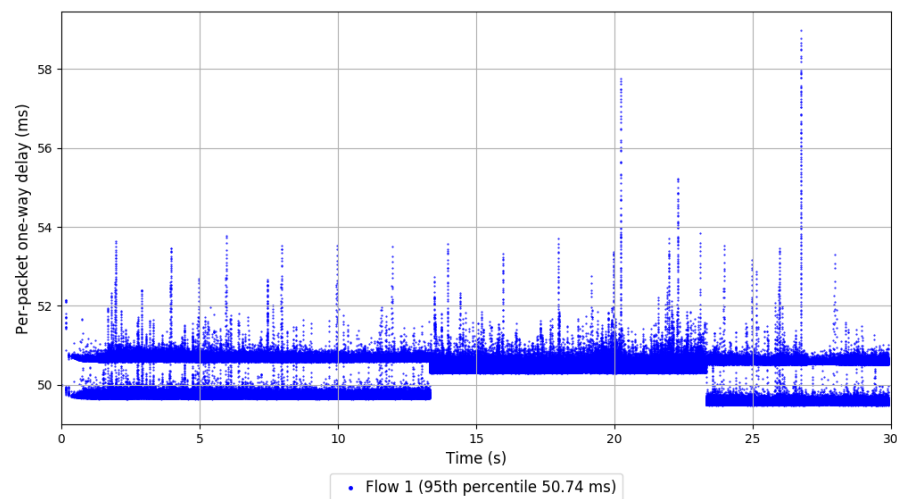
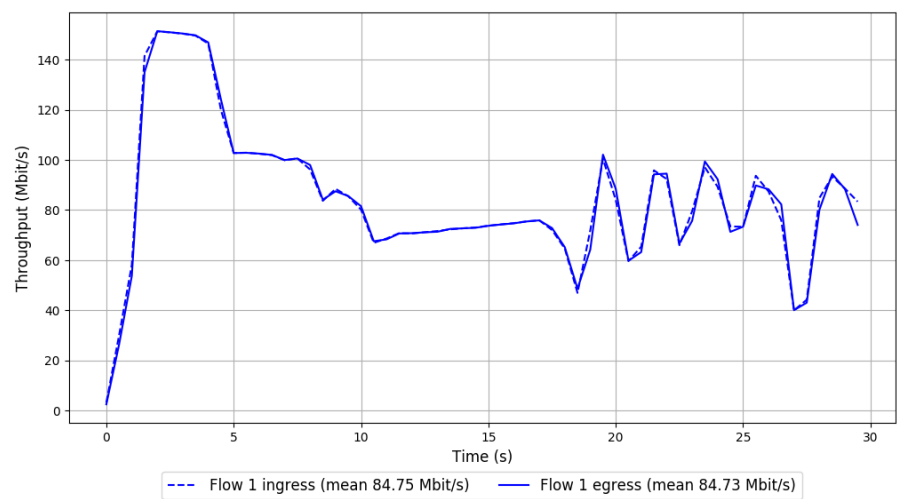
-- Flow 1:

Average throughput: 84.73 Mbit/s

95th percentile per-packet one-way delay: 50.738 ms

Loss rate: 0.36%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-17 13:02:39

End at: 2018-04-17 13:03:09

Below is generated by plot.py at 2018-04-17 17:20:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.74 Mbit/s

95th percentile per-packet one-way delay: 50.909 ms

Loss rate: 0.32%

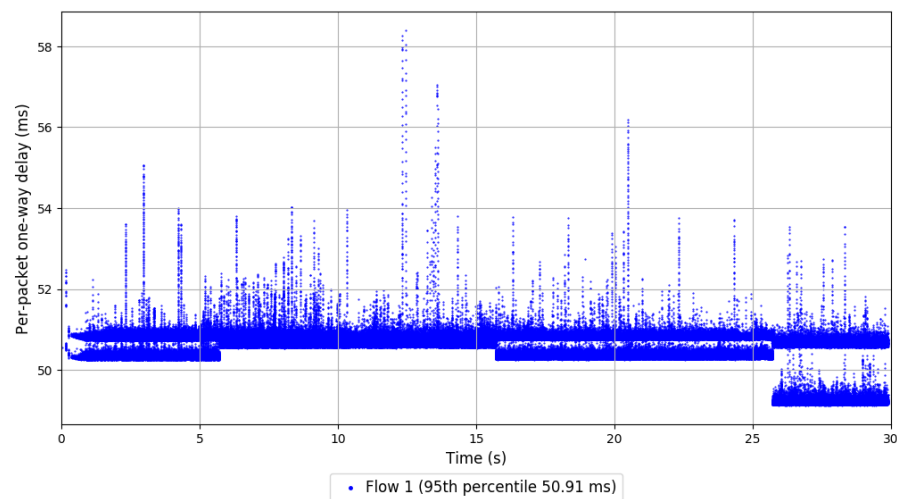
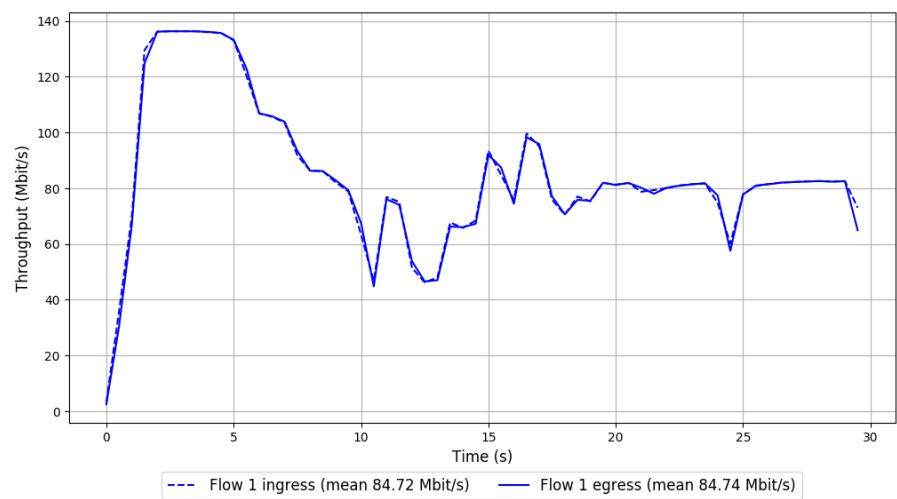
-- Flow 1:

Average throughput: 84.74 Mbit/s

95th percentile per-packet one-way delay: 50.909 ms

Loss rate: 0.32%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-17 13:15:36

End at: 2018-04-17 13:16:07

Below is generated by plot.py at 2018-04-17 17:20:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.72 Mbit/s

95th percentile per-packet one-way delay: 50.863 ms

Loss rate: 0.09%

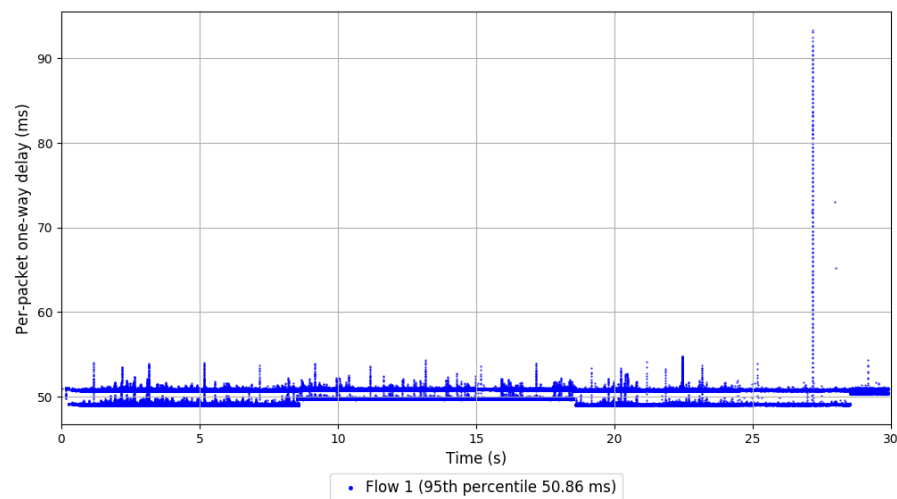
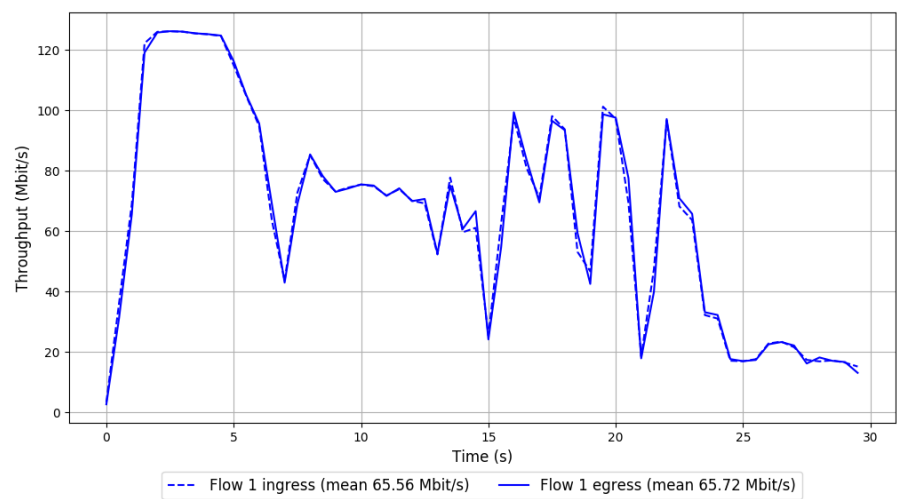
-- Flow 1:

Average throughput: 65.72 Mbit/s

95th percentile per-packet one-way delay: 50.863 ms

Loss rate: 0.09%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-17 13:28:35

End at: 2018-04-17 13:29:05

Below is generated by plot.py at 2018-04-17 17:21:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 50.793 ms

Loss rate: 0.29%

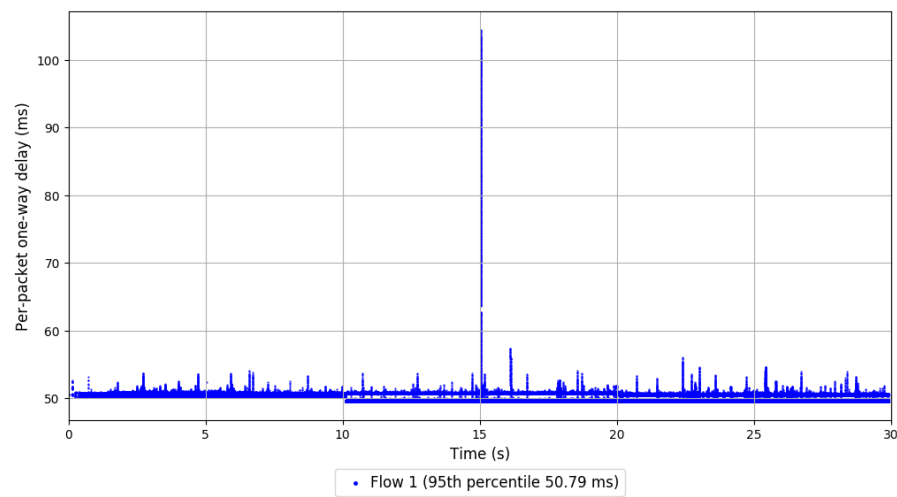
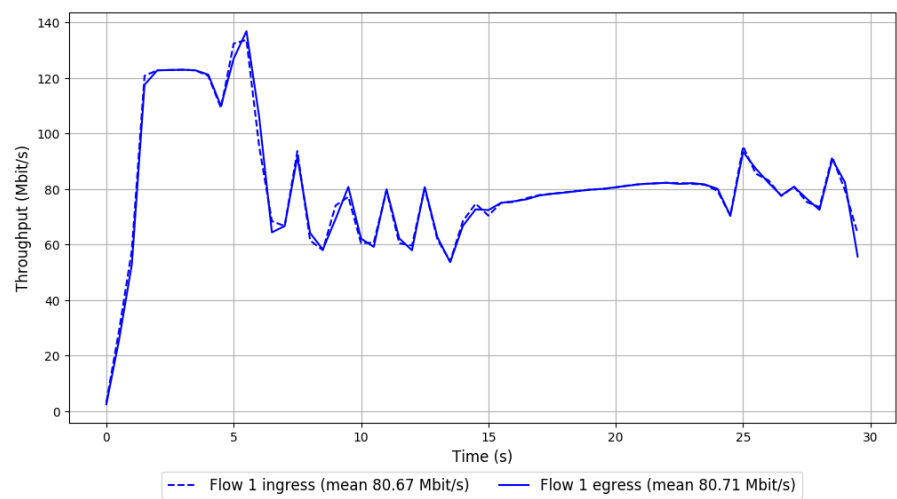
-- Flow 1:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 50.793 ms

Loss rate: 0.29%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-17 13:41:35

End at: 2018-04-17 13:42:05

Below is generated by plot.py at 2018-04-17 17:21:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.95 Mbit/s

95th percentile per-packet one-way delay: 49.586 ms

Loss rate: 0.09%

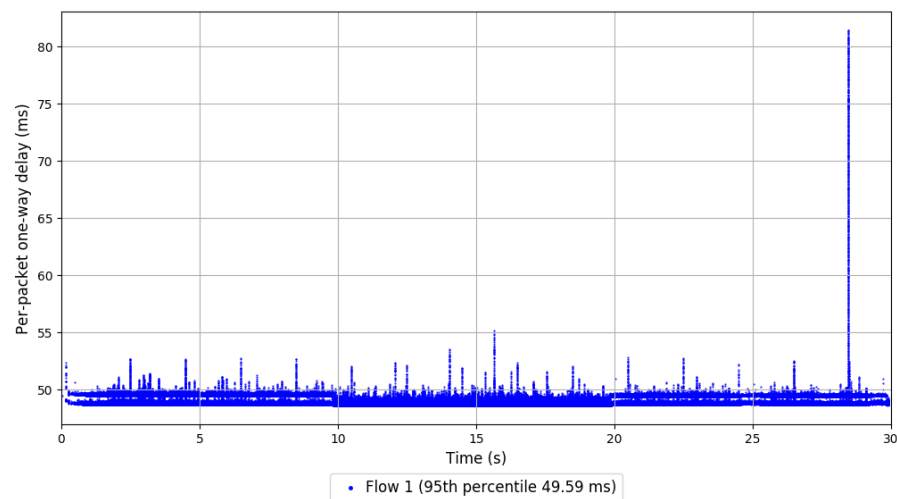
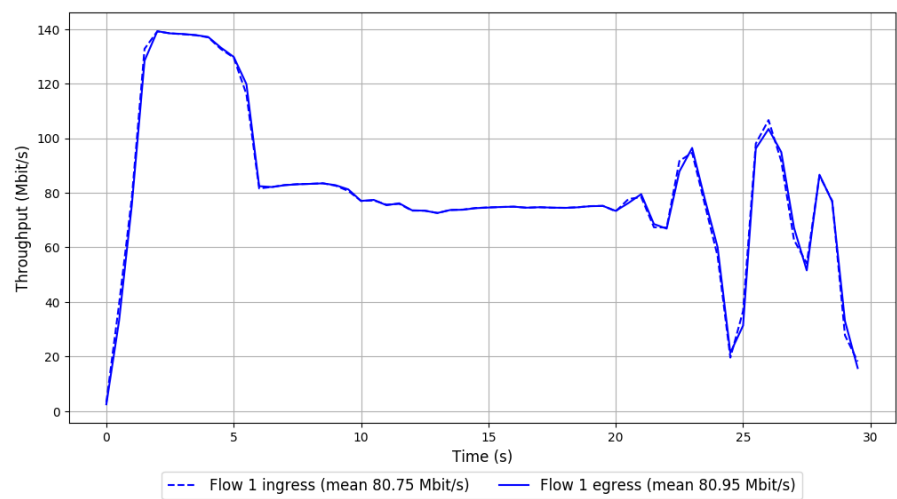
-- Flow 1:

Average throughput: 80.95 Mbit/s

95th percentile per-packet one-way delay: 49.586 ms

Loss rate: 0.09%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 13:54:35

End at: 2018-04-17 13:55:05

Below is generated by plot.py at 2018-04-17 17:21:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 50.643 ms

Loss rate: 0.11%

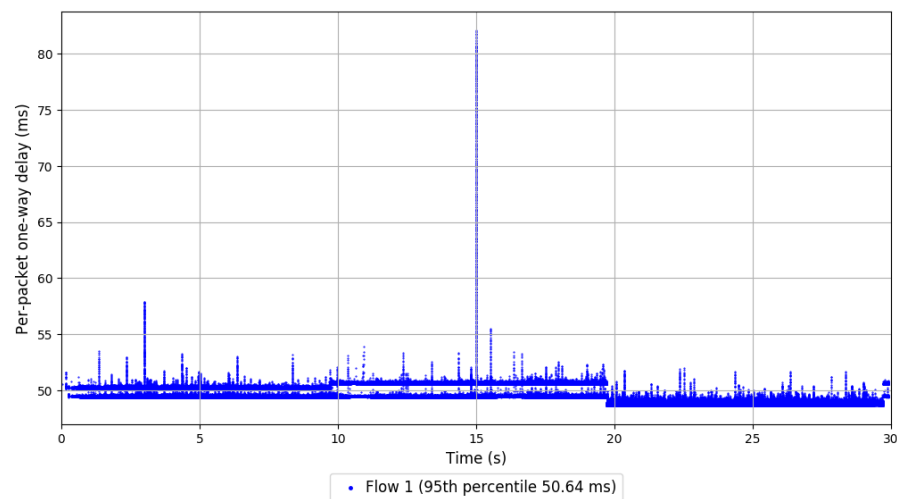
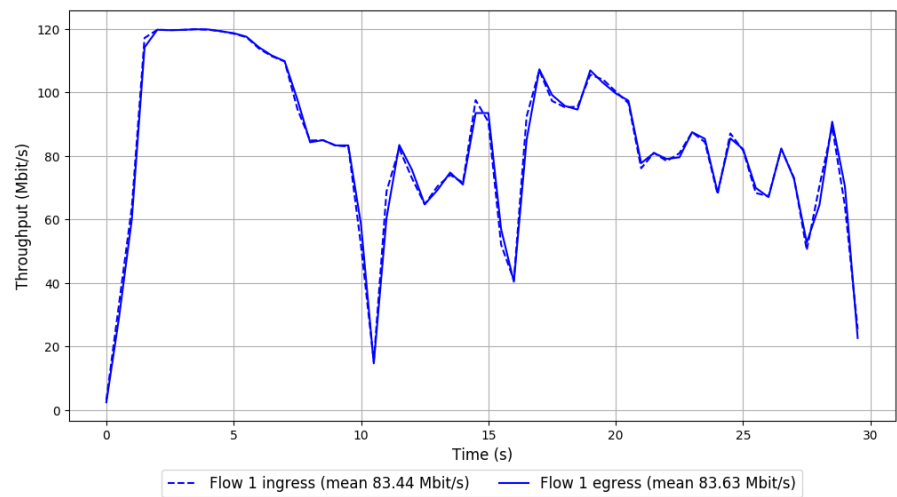
-- Flow 1:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 50.643 ms

Loss rate: 0.11%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-17 14:07:31

End at: 2018-04-17 14:08:01

Below is generated by plot.py at 2018-04-17 17:21:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 50.441 ms

Loss rate: 0.32%

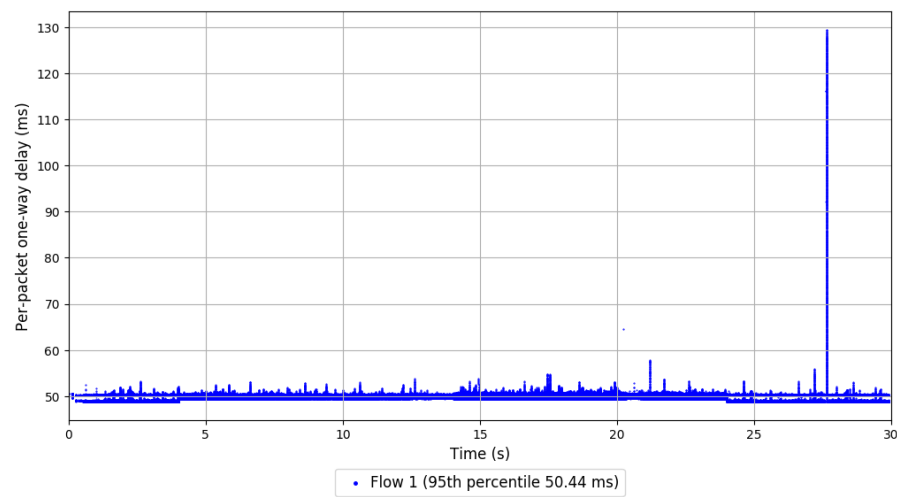
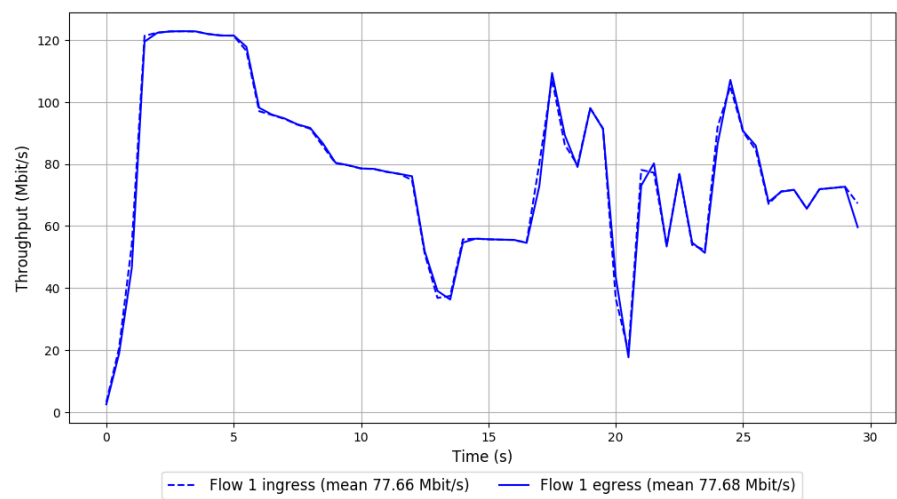
-- Flow 1:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 50.441 ms

Loss rate: 0.32%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 14:20:38

End at: 2018-04-17 14:21:08

Below is generated by plot.py at 2018-04-17 17:22:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.79 Mbit/s

95th percentile per-packet one-way delay: 50.731 ms

Loss rate: 0.11%

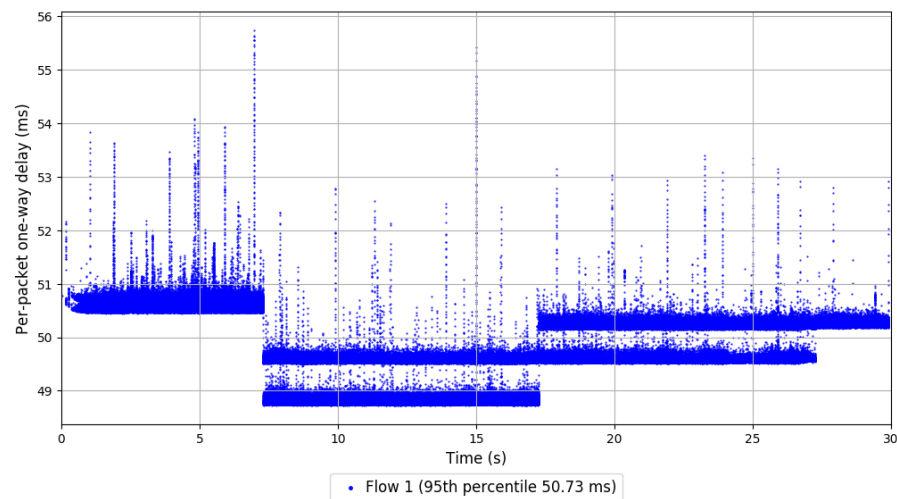
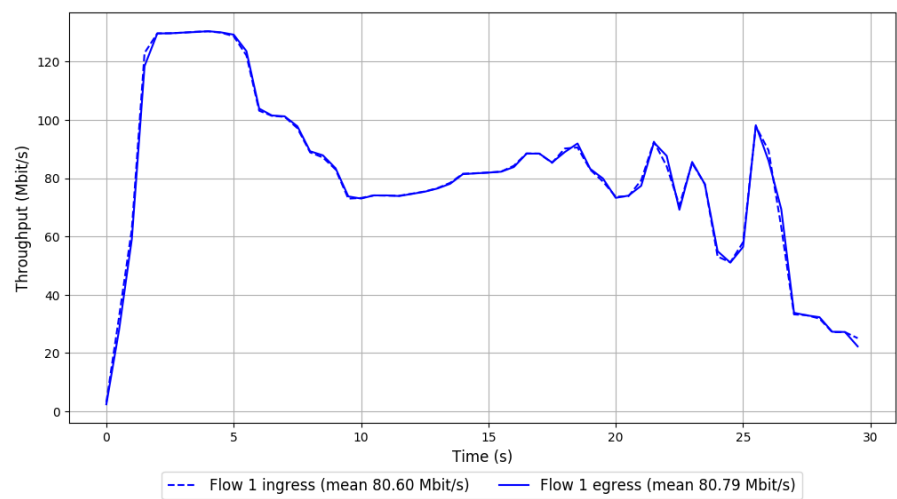
-- Flow 1:

Average throughput: 80.79 Mbit/s

95th percentile per-packet one-way delay: 50.731 ms

Loss rate: 0.11%

Run 10: Report of Copa — Data Link

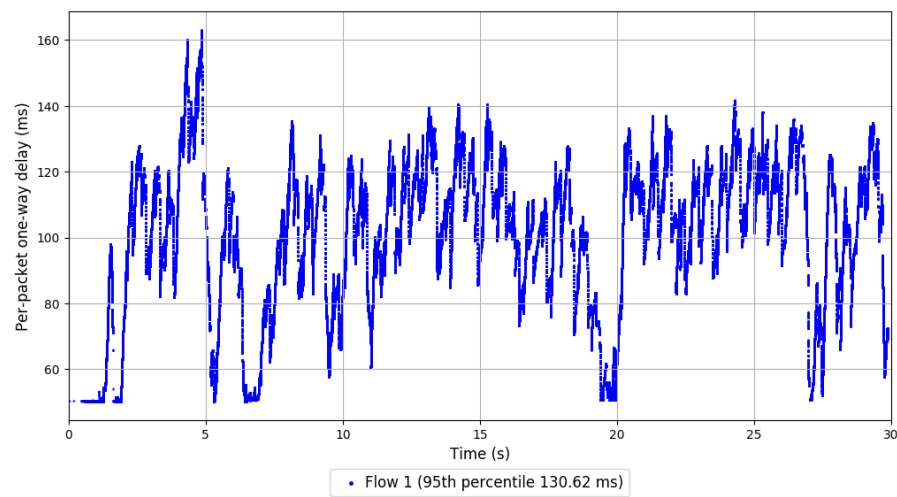
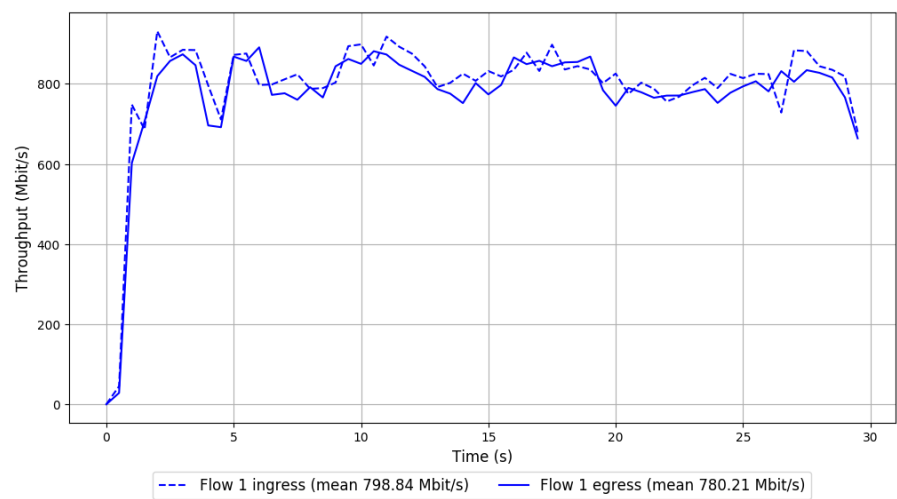


```
Run 1: Statistics of FillP

Start at: 2018-04-17 12:24:28
End at: 2018-04-17 12:24:59

# Below is generated by plot.py at 2018-04-17 17:34:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 780.21 Mbit/s
95th percentile per-packet one-way delay: 130.625 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 780.21 Mbit/s
95th percentile per-packet one-way delay: 130.625 ms
Loss rate: 2.67%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-17 12:37:29

End at: 2018-04-17 12:37:59

Below is generated by plot.py at 2018-04-17 17:34:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.98 Mbit/s

95th percentile per-packet one-way delay: 134.346 ms

Loss rate: 2.97%

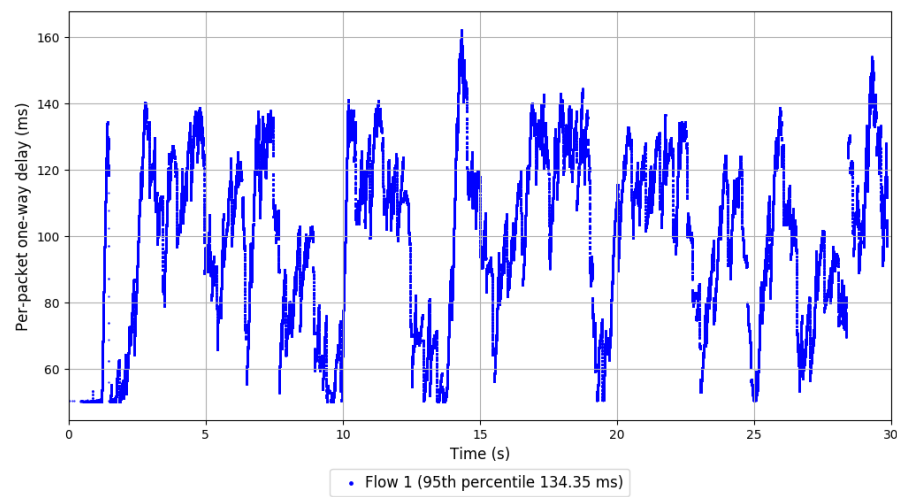
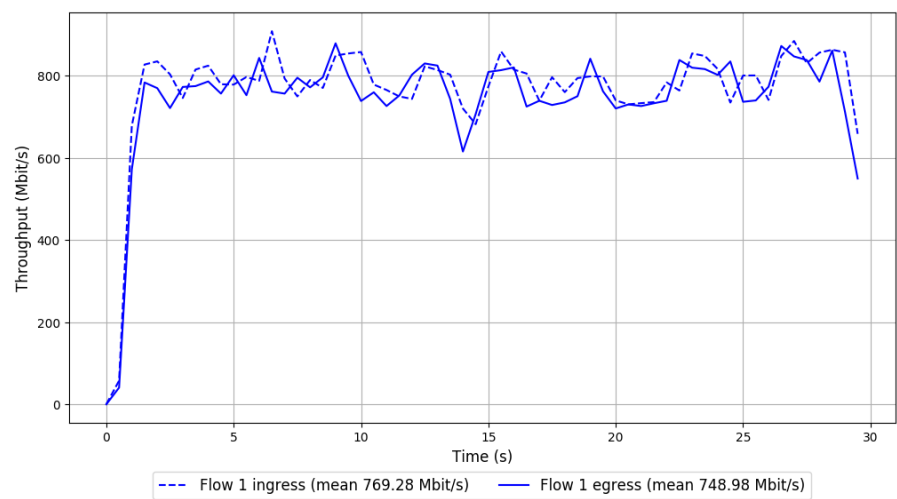
-- Flow 1:

Average throughput: 748.98 Mbit/s

95th percentile per-packet one-way delay: 134.346 ms

Loss rate: 2.97%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-17 12:50:26

End at: 2018-04-17 12:50:56

Below is generated by plot.py at 2018-04-17 17:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 772.94 Mbit/s

95th percentile per-packet one-way delay: 136.362 ms

Loss rate: 4.96%

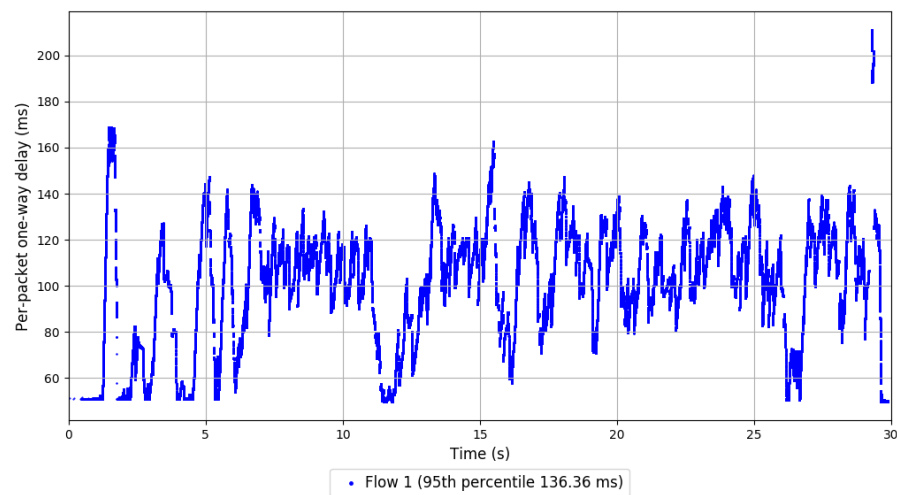
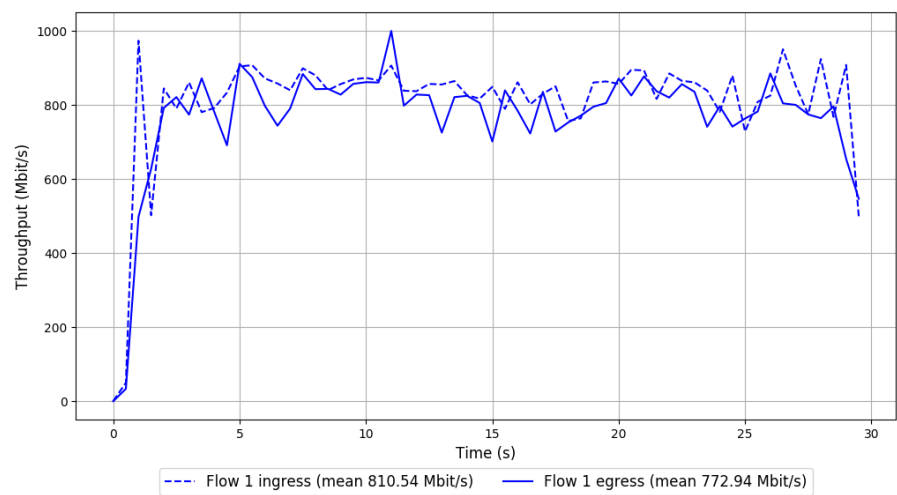
-- Flow 1:

Average throughput: 772.94 Mbit/s

95th percentile per-packet one-way delay: 136.362 ms

Loss rate: 4.96%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 13:03:23

End at: 2018-04-17 13:03:53

Below is generated by plot.py at 2018-04-17 17:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 760.86 Mbit/s

95th percentile per-packet one-way delay: 130.071 ms

Loss rate: 1.88%

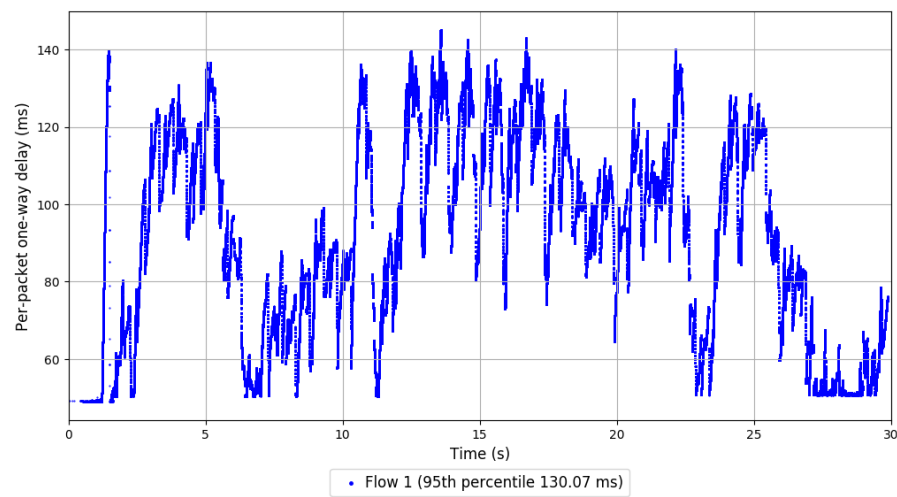
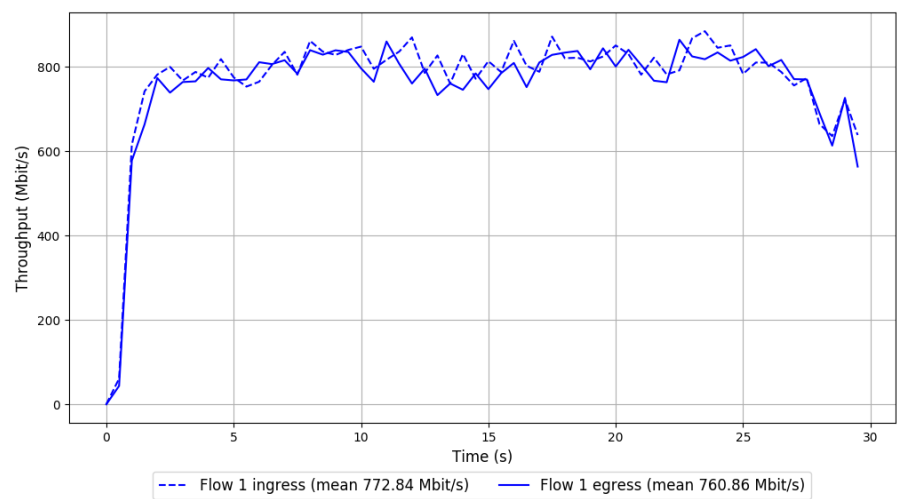
-- Flow 1:

Average throughput: 760.86 Mbit/s

95th percentile per-packet one-way delay: 130.071 ms

Loss rate: 1.88%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-17 13:16:19

End at: 2018-04-17 13:16:49

Below is generated by plot.py at 2018-04-17 17:35:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 777.83 Mbit/s

95th percentile per-packet one-way delay: 128.288 ms

Loss rate: 2.16%

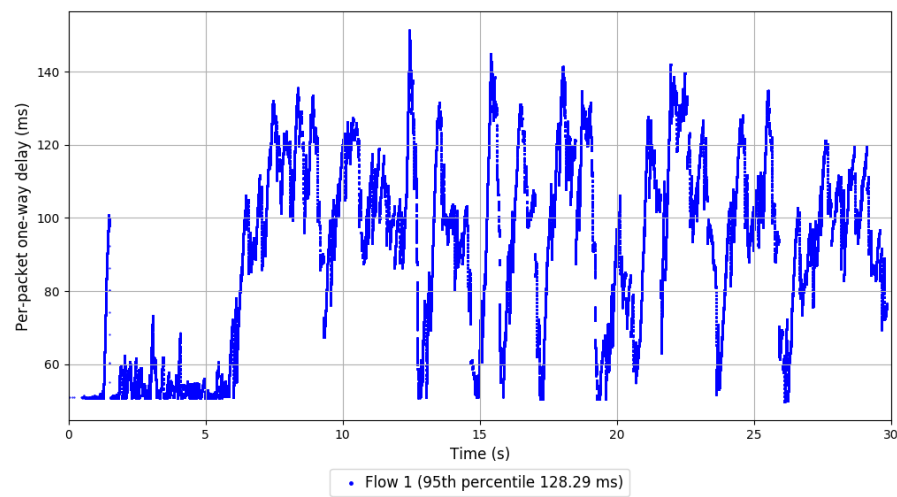
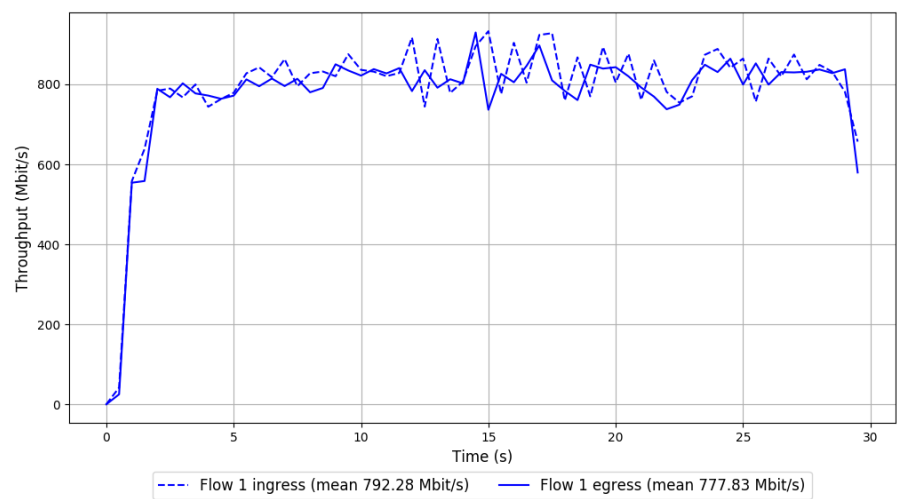
-- Flow 1:

Average throughput: 777.83 Mbit/s

95th percentile per-packet one-way delay: 128.288 ms

Loss rate: 2.16%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-17 13:29:19

End at: 2018-04-17 13:29:49

Below is generated by plot.py at 2018-04-17 17:35:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 739.33 Mbit/s

95th percentile per-packet one-way delay: 138.144 ms

Loss rate: 4.19%

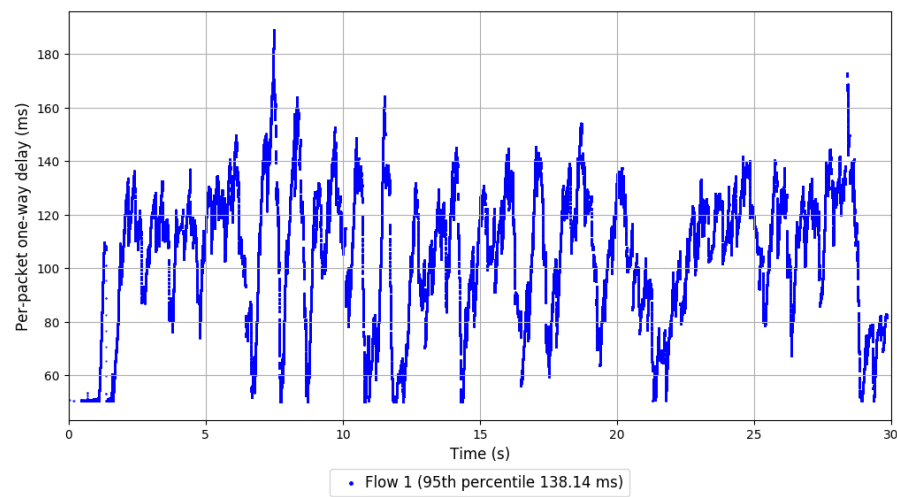
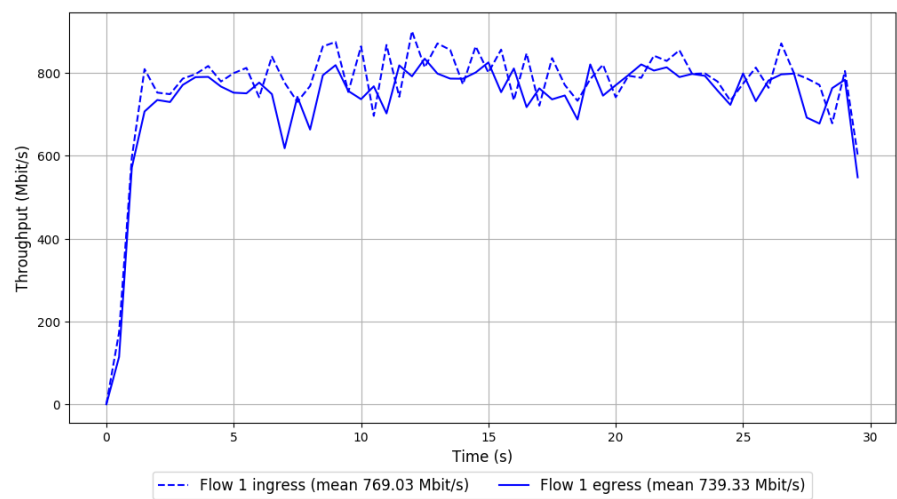
-- Flow 1:

Average throughput: 739.33 Mbit/s

95th percentile per-packet one-way delay: 138.144 ms

Loss rate: 4.19%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 13:42:19

End at: 2018-04-17 13:42:49

Below is generated by plot.py at 2018-04-17 17:35:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 772.83 Mbit/s

95th percentile per-packet one-way delay: 130.827 ms

Loss rate: 3.35%

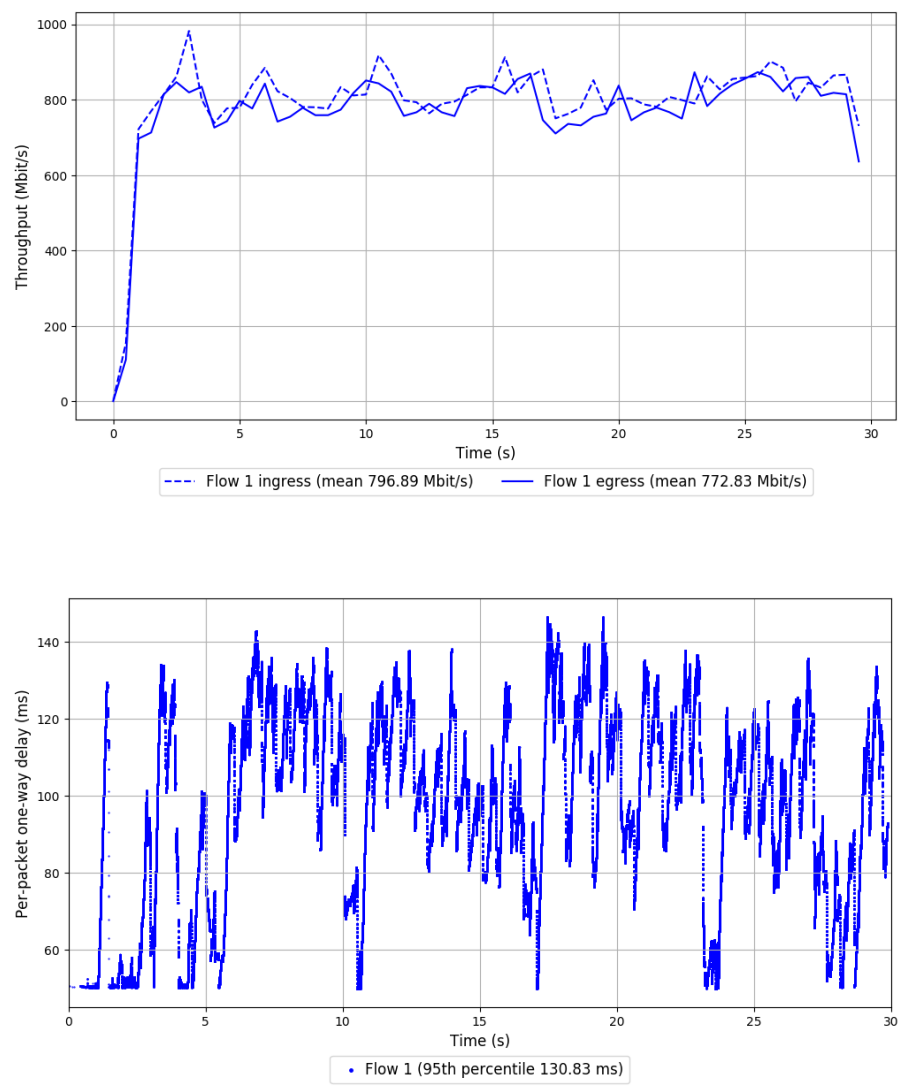
-- Flow 1:

Average throughput: 772.83 Mbit/s

95th percentile per-packet one-way delay: 130.827 ms

Loss rate: 3.35%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 13:55:19

End at: 2018-04-17 13:55:49

Below is generated by plot.py at 2018-04-17 17:35:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.77 Mbit/s

95th percentile per-packet one-way delay: 134.540 ms

Loss rate: 4.20%

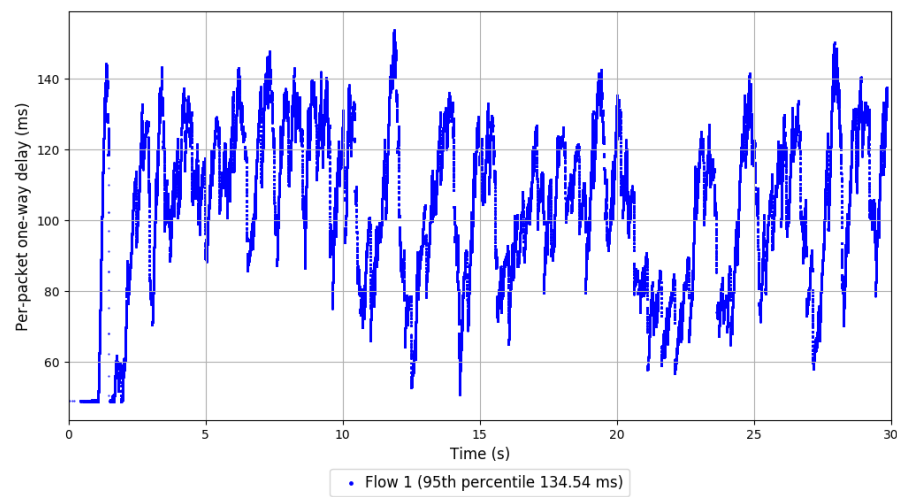
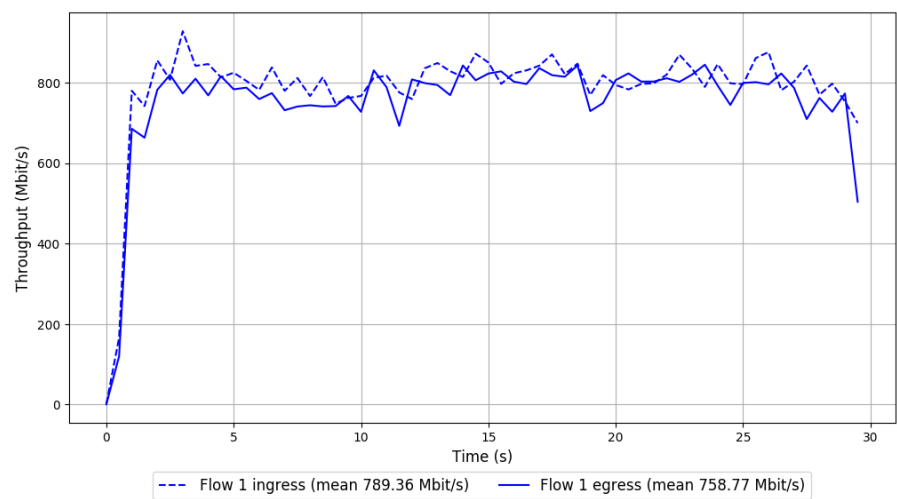
-- Flow 1:

Average throughput: 758.77 Mbit/s

95th percentile per-packet one-way delay: 134.540 ms

Loss rate: 4.20%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 14:08:15

End at: 2018-04-17 14:08:45

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 777.01 Mbit/s

95th percentile per-packet one-way delay: 131.053 ms

Loss rate: 3.40%

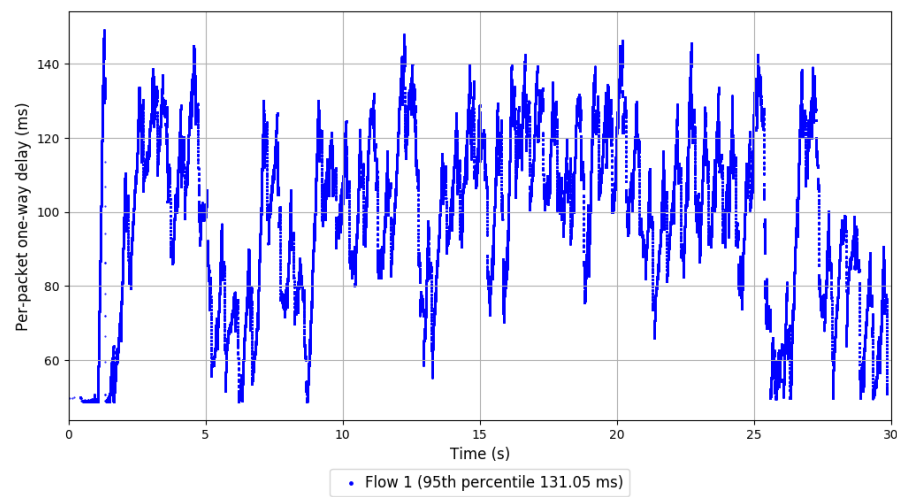
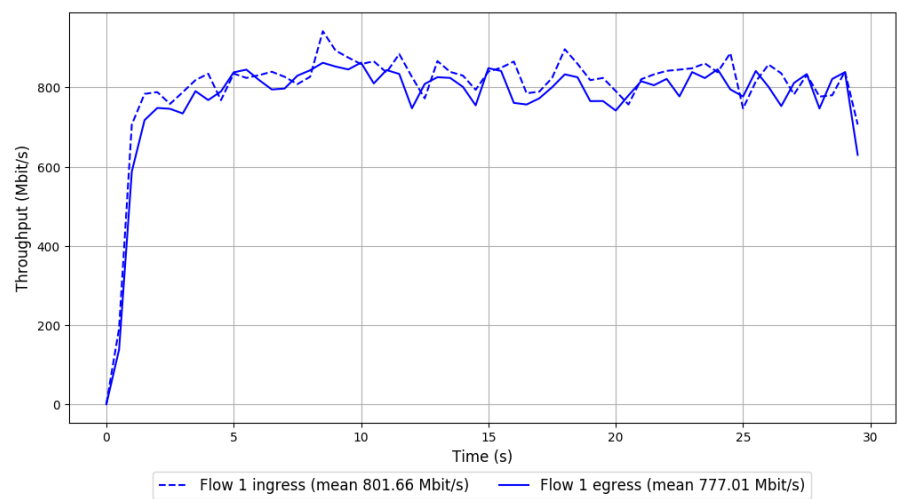
-- Flow 1:

Average throughput: 777.01 Mbit/s

95th percentile per-packet one-way delay: 131.053 ms

Loss rate: 3.40%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 14:21:22

End at: 2018-04-17 14:21:52

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 743.44 Mbit/s

95th percentile per-packet one-way delay: 135.909 ms

Loss rate: 4.55%

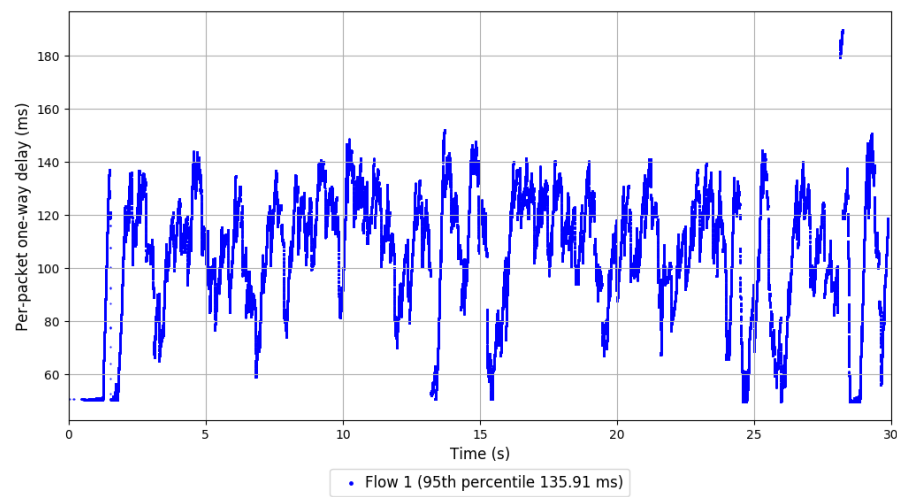
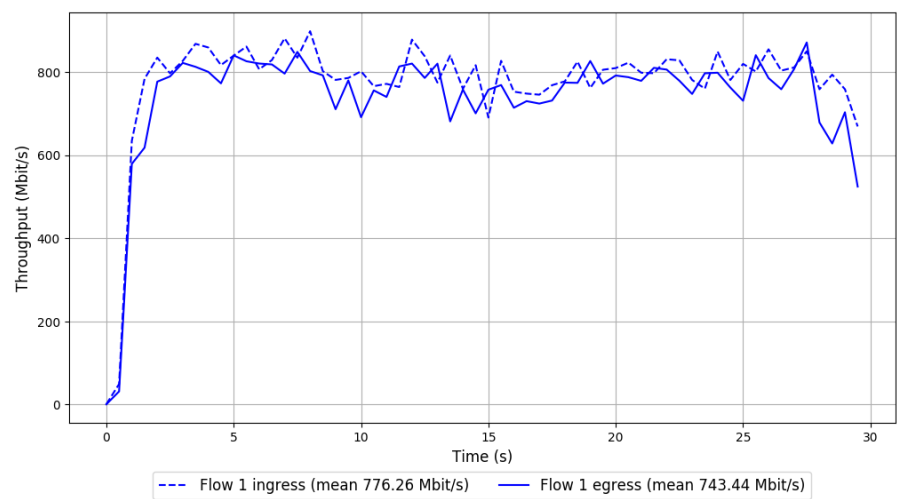
-- Flow 1:

Average throughput: 743.44 Mbit/s

95th percentile per-packet one-way delay: 135.909 ms

Loss rate: 4.55%

Run 10: Report of FillP — Data Link

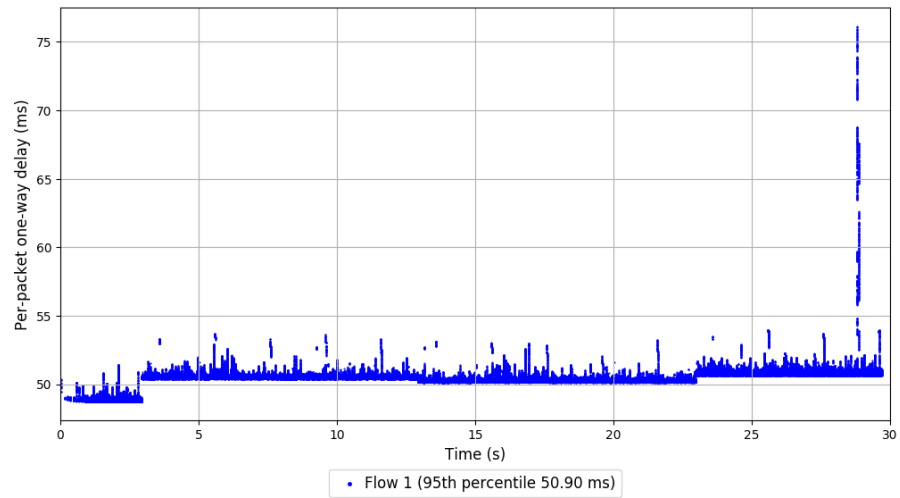
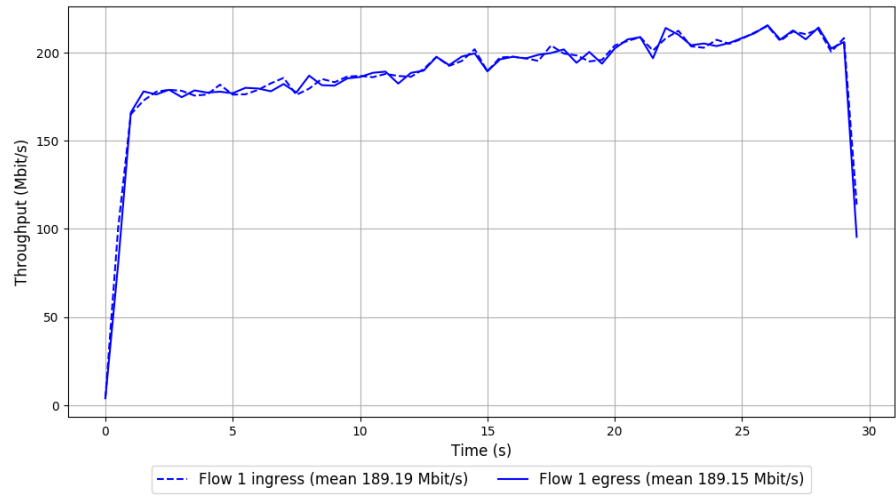


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 12:18:42
End at: 2018-04-17 12:19:12

# Below is generated by plot.py at 2018-04-17 17:48:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.15 Mbit/s
95th percentile per-packet one-way delay: 50.900 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 189.15 Mbit/s
95th percentile per-packet one-way delay: 50.900 ms
Loss rate: 0.36%
```

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

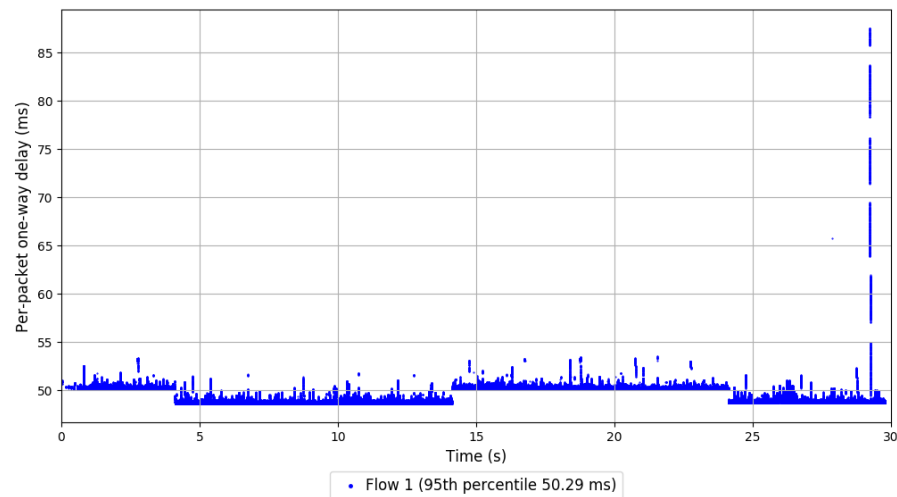
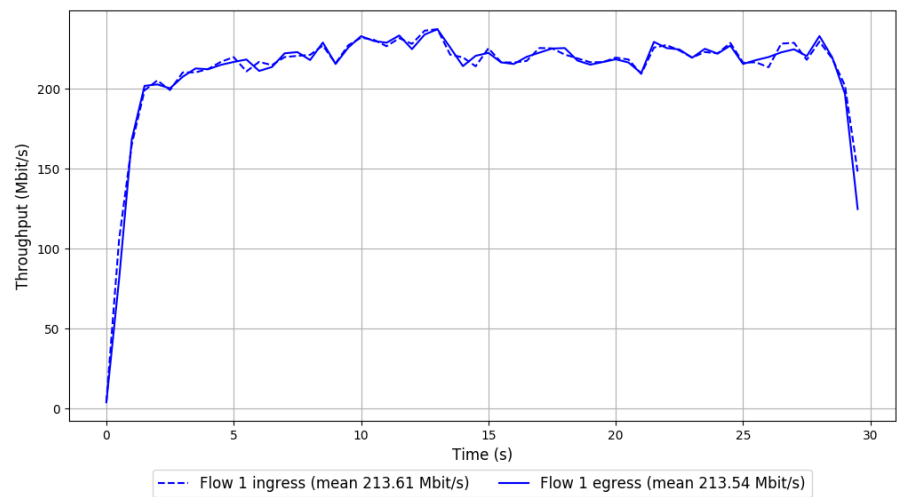


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 12:31:41
End at: 2018-04-17 12:32:11

# Below is generated by plot.py at 2018-04-17 17:48:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.54 Mbit/s
95th percentile per-packet one-way delay: 50.294 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 213.54 Mbit/s
95th percentile per-packet one-way delay: 50.294 ms
Loss rate: 0.37%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 12:44:37

End at: 2018-04-17 12:45:07

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.89 Mbit/s

95th percentile per-packet one-way delay: 50.277 ms

Loss rate: 0.37%

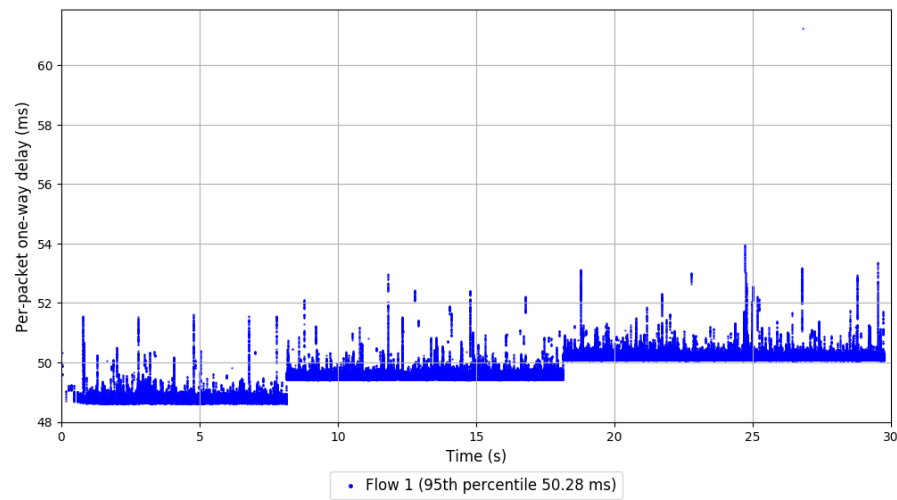
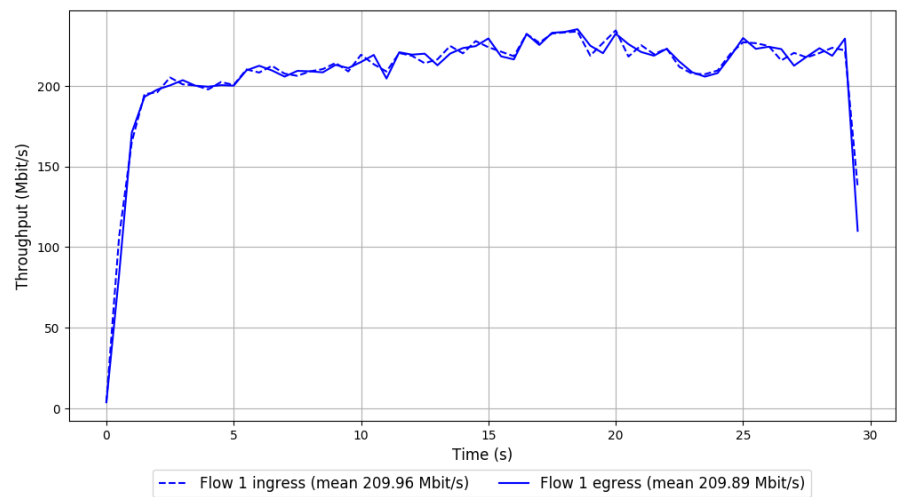
-- Flow 1:

Average throughput: 209.89 Mbit/s

95th percentile per-packet one-way delay: 50.277 ms

Loss rate: 0.37%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 12:57:36

End at: 2018-04-17 12:58:06

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.95 Mbit/s

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

Loss rate: 0.35%

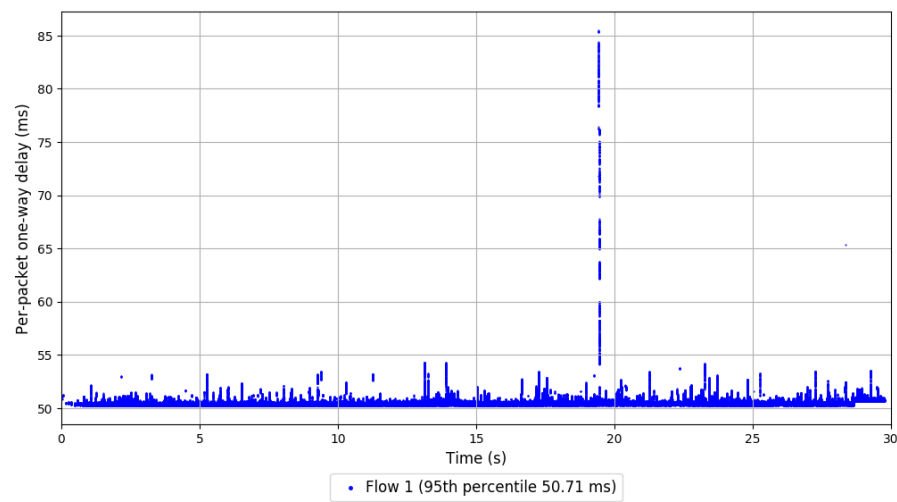
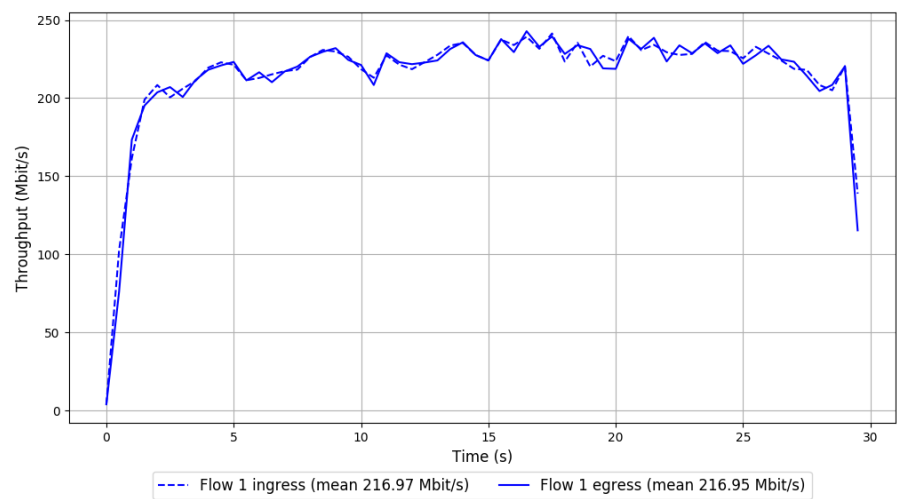
-- Flow 1:

Average throughput: 216.95 Mbit/s

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

Loss rate: 0.35%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 13:10:33

End at: 2018-04-17 13:11:03

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.03 Mbit/s

95th percentile per-packet one-way delay: 51.047 ms

Loss rate: 0.36%

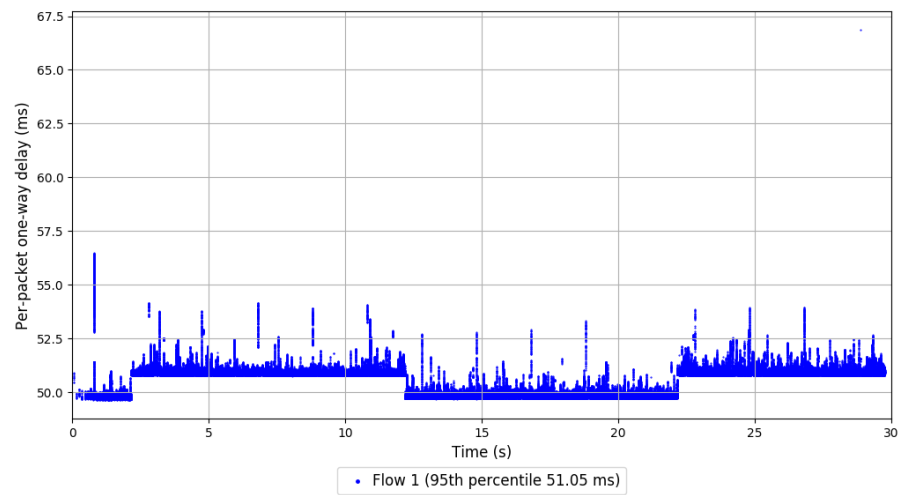
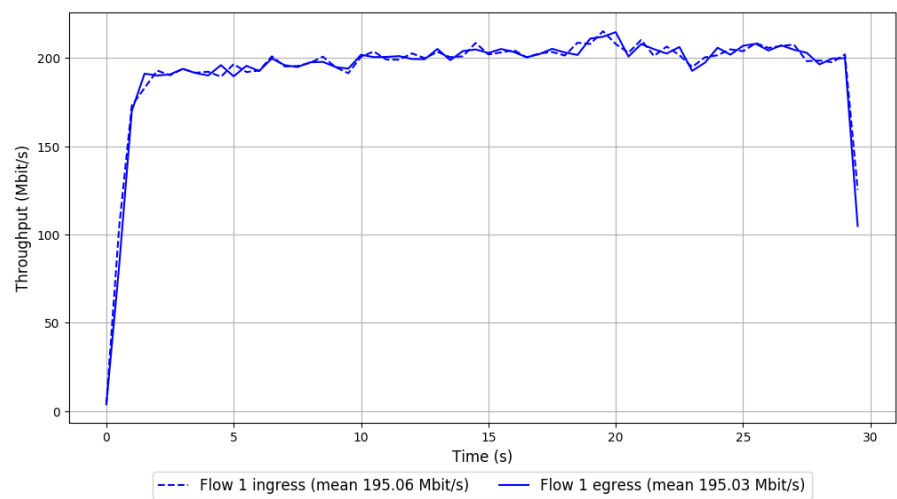
-- Flow 1:

Average throughput: 195.03 Mbit/s

95th percentile per-packet one-way delay: 51.047 ms

Loss rate: 0.36%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 13:23:30

End at: 2018-04-17 13:24:00

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.86 Mbit/s

95th percentile per-packet one-way delay: 51.134 ms

Loss rate: 0.36%

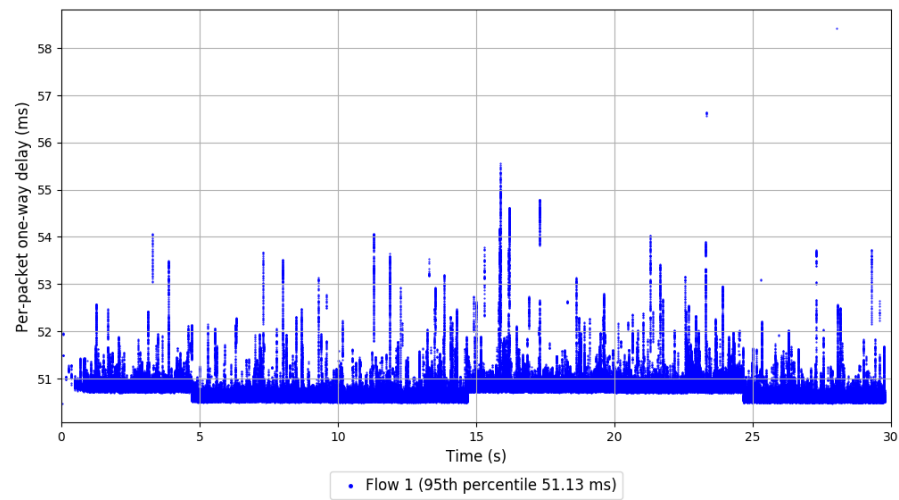
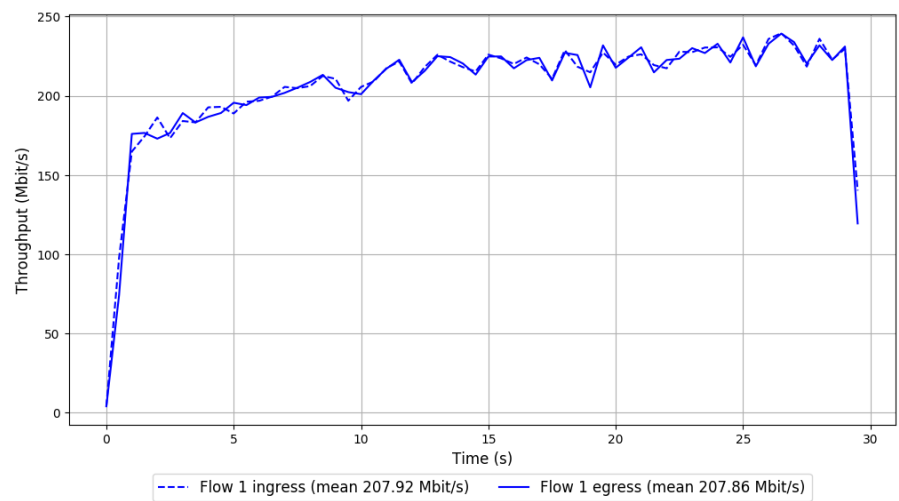
-- Flow 1:

Average throughput: 207.86 Mbit/s

95th percentile per-packet one-way delay: 51.134 ms

Loss rate: 0.36%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 13:36:28

End at: 2018-04-17 13:36:58

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.25 Mbit/s

95th percentile per-packet one-way delay: 50.788 ms

Loss rate: 0.37%

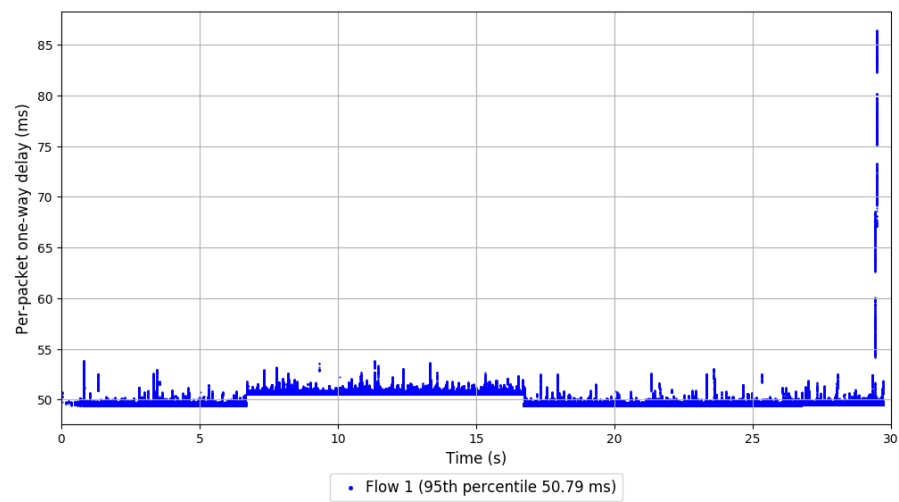
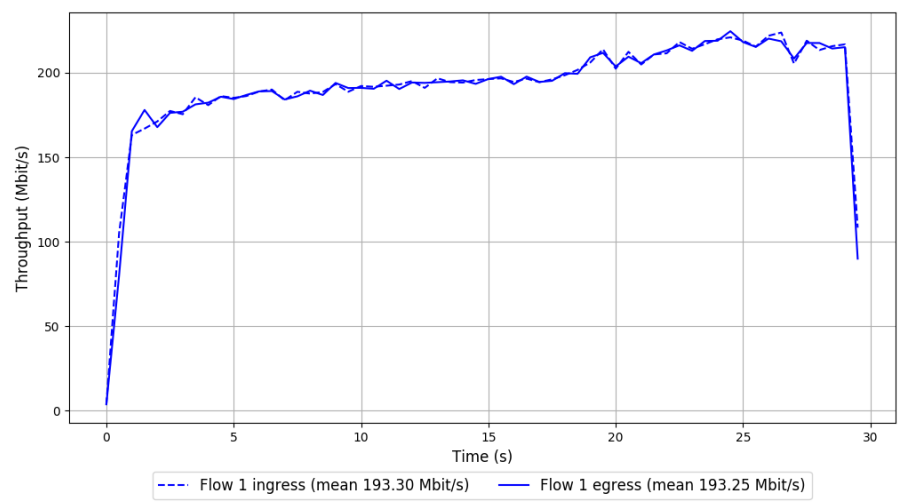
-- Flow 1:

Average throughput: 193.25 Mbit/s

95th percentile per-packet one-way delay: 50.788 ms

Loss rate: 0.37%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 13:49:30

End at: 2018-04-17 13:50:00

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.74 Mbit/s

95th percentile per-packet one-way delay: 49.614 ms

Loss rate: 0.37%

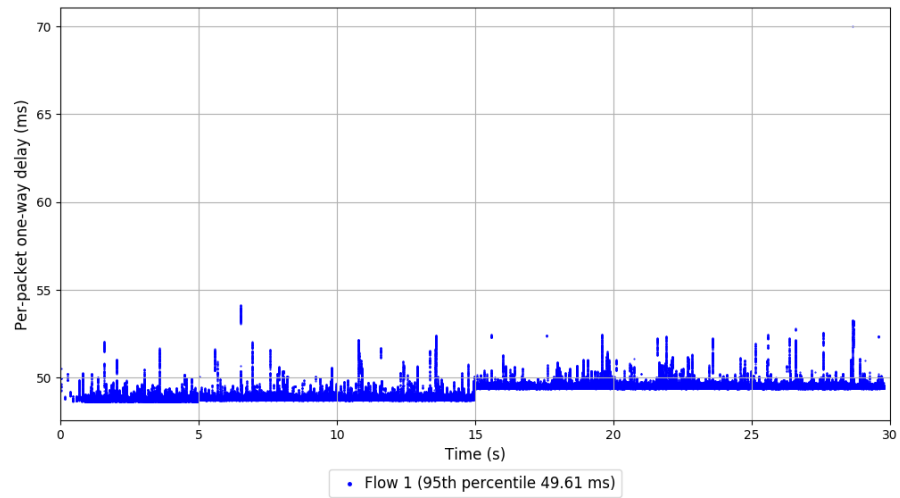
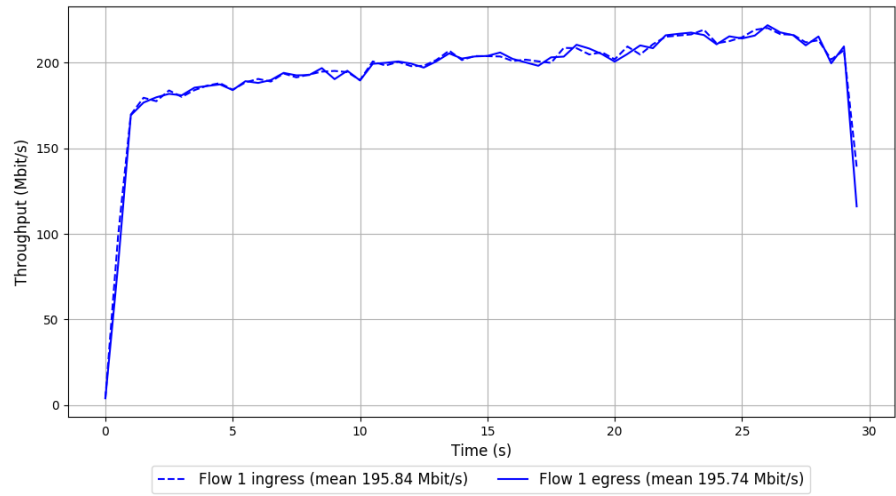
-- Flow 1:

Average throughput: 195.74 Mbit/s

95th percentile per-packet one-way delay: 49.614 ms

Loss rate: 0.37%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 14:02:26

End at: 2018-04-17 14:02:56

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.03 Mbit/s

95th percentile per-packet one-way delay: 49.508 ms

Loss rate: 0.30%

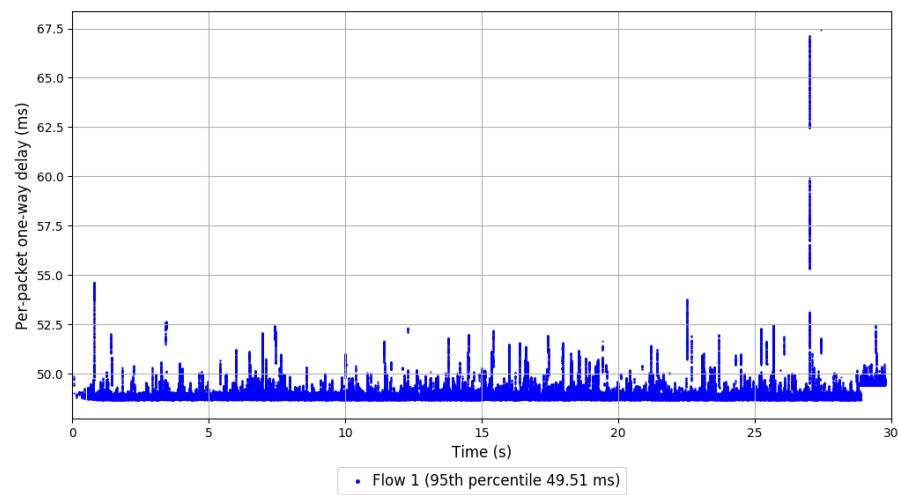
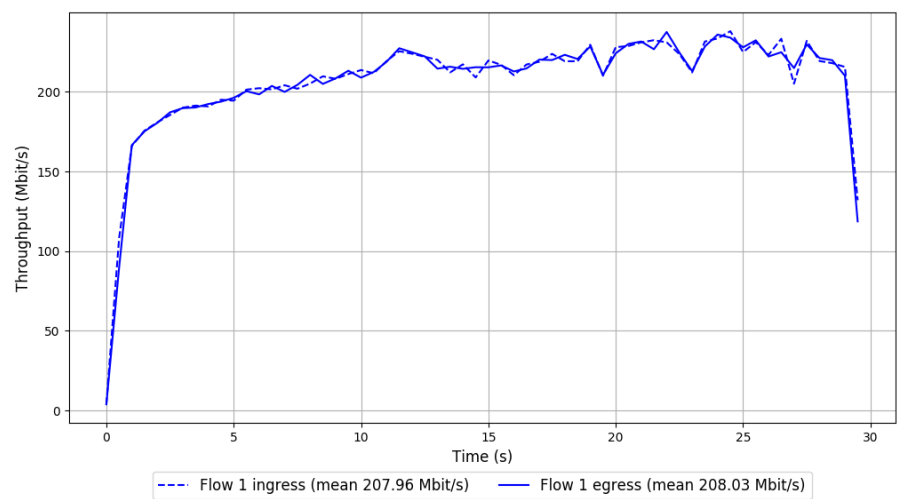
-- Flow 1:

Average throughput: 208.03 Mbit/s

95th percentile per-packet one-way delay: 49.508 ms

Loss rate: 0.30%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 14:15:30

End at: 2018-04-17 14:16:00

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.82 Mbit/s

95th percentile per-packet one-way delay: 50.396 ms

Loss rate: 0.37%

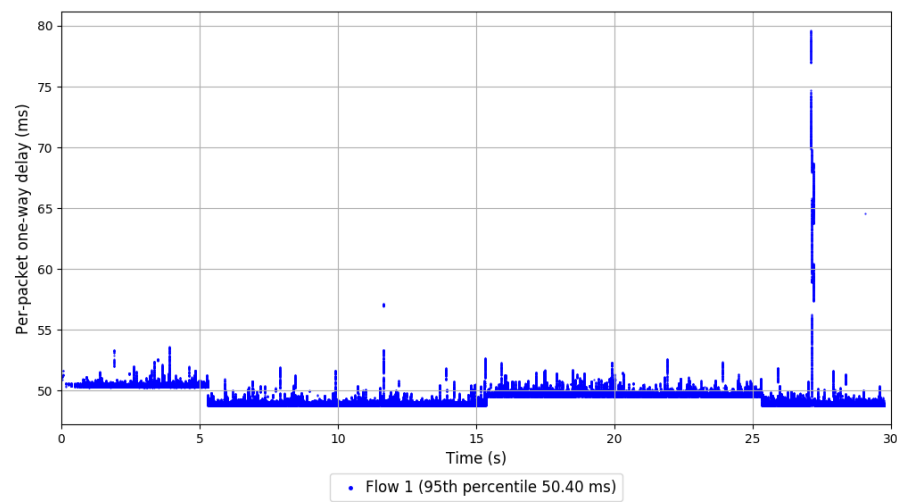
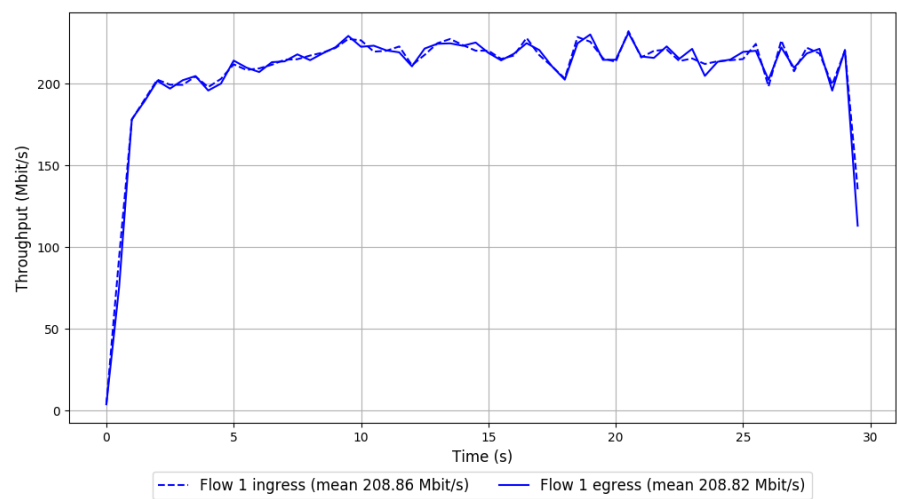
-- Flow 1:

Average throughput: 208.82 Mbit/s

95th percentile per-packet one-way delay: 50.396 ms

Loss rate: 0.37%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 12:29:28

End at: 2018-04-17 12:29:58

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.55 Mbit/s

95th percentile per-packet one-way delay: 50.386 ms

Loss rate: 0.30%

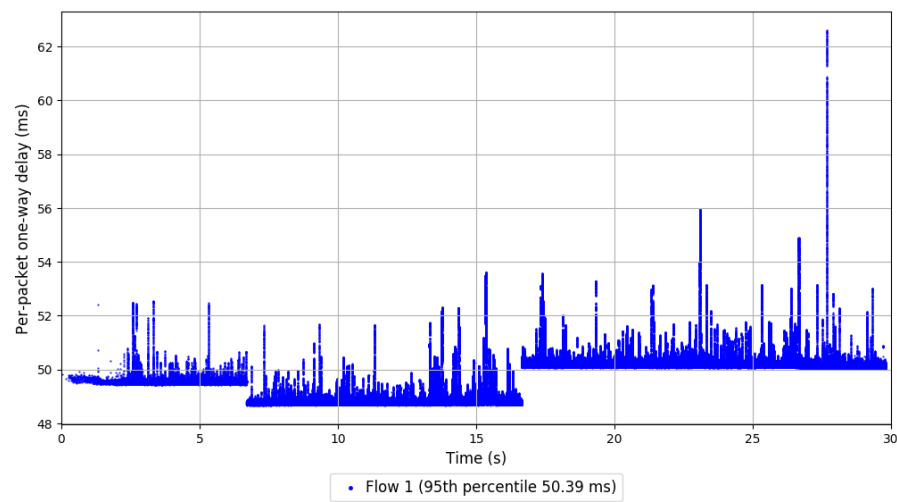
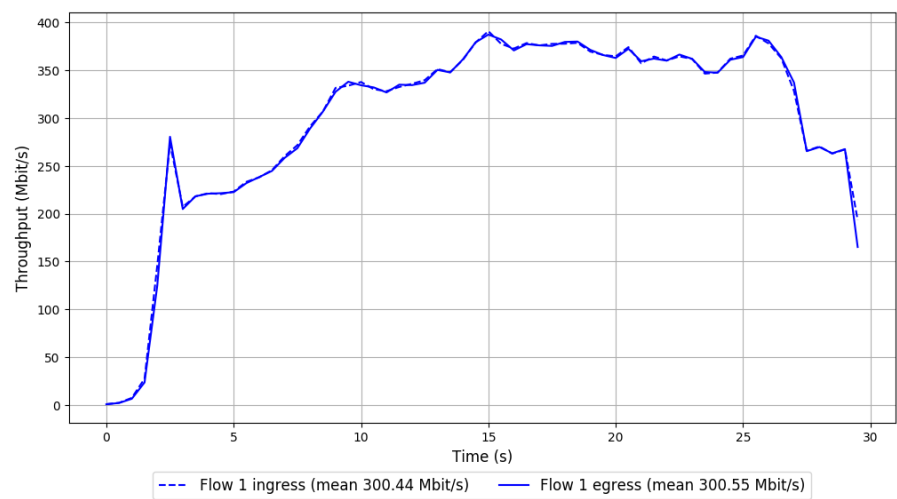
-- Flow 1:

Average throughput: 300.55 Mbit/s

95th percentile per-packet one-way delay: 50.386 ms

Loss rate: 0.30%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 12:42:26

End at: 2018-04-17 12:42:56

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.37 Mbit/s

95th percentile per-packet one-way delay: 50.355 ms

Loss rate: 0.48%

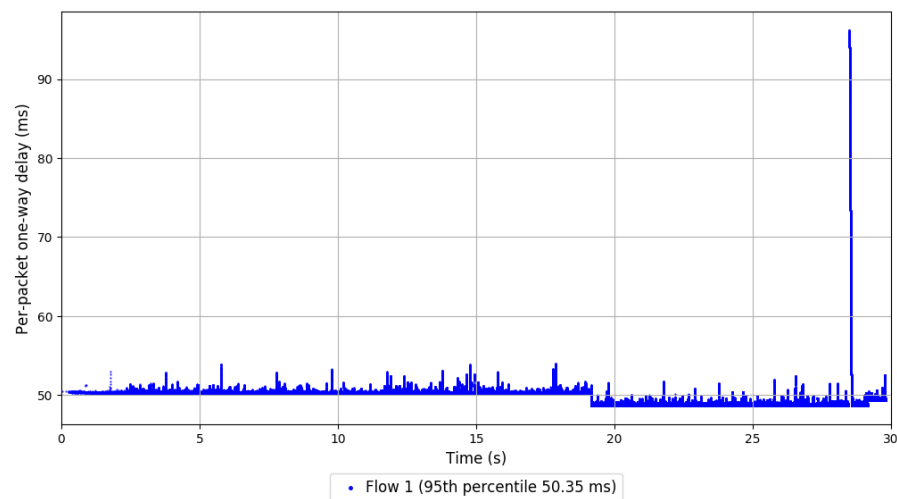
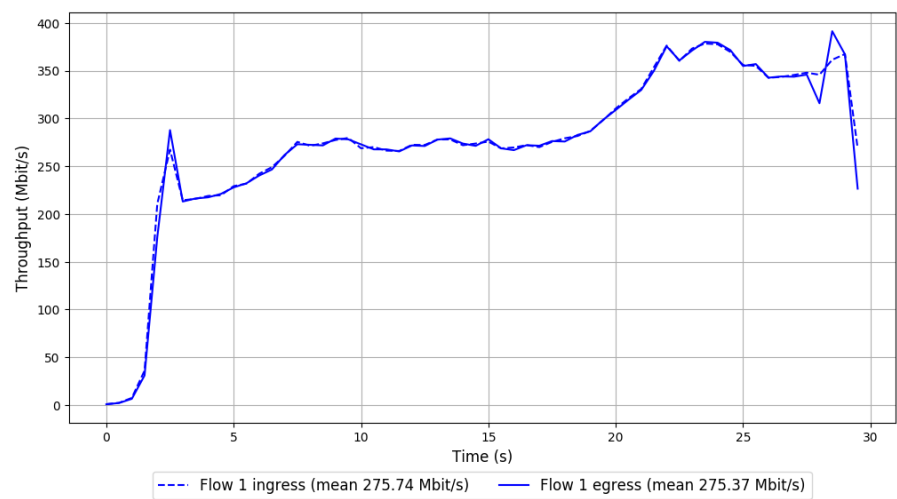
-- Flow 1:

Average throughput: 275.37 Mbit/s

95th percentile per-packet one-way delay: 50.355 ms

Loss rate: 0.48%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 12:55:24

End at: 2018-04-17 12:55:54

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.80 Mbit/s

95th percentile per-packet one-way delay: 51.789 ms

Loss rate: 0.27%

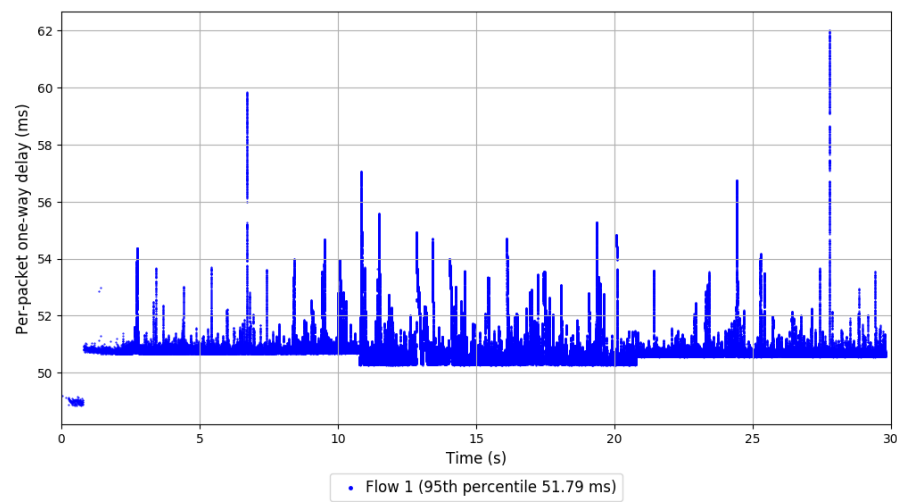
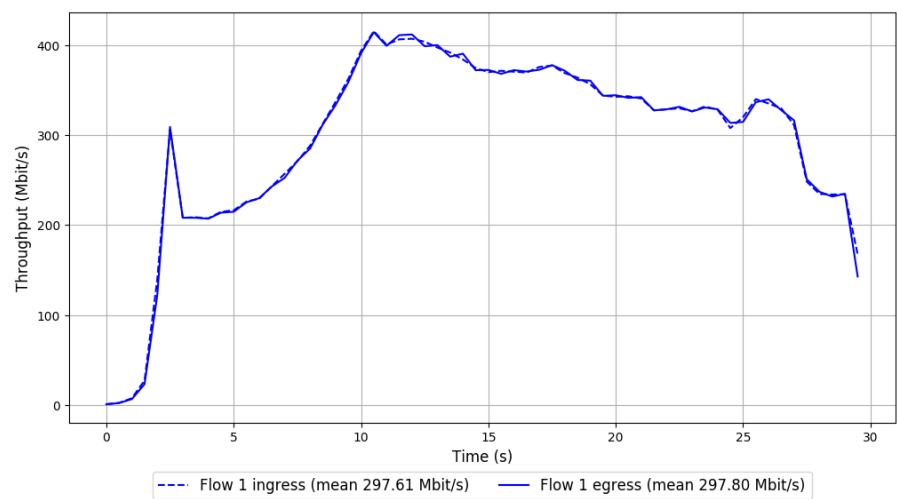
-- Flow 1:

Average throughput: 297.80 Mbit/s

95th percentile per-packet one-way delay: 51.789 ms

Loss rate: 0.27%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 13:08:21

End at: 2018-04-17 13:08:51

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.75 Mbit/s

95th percentile per-packet one-way delay: 51.488 ms

Loss rate: 0.38%

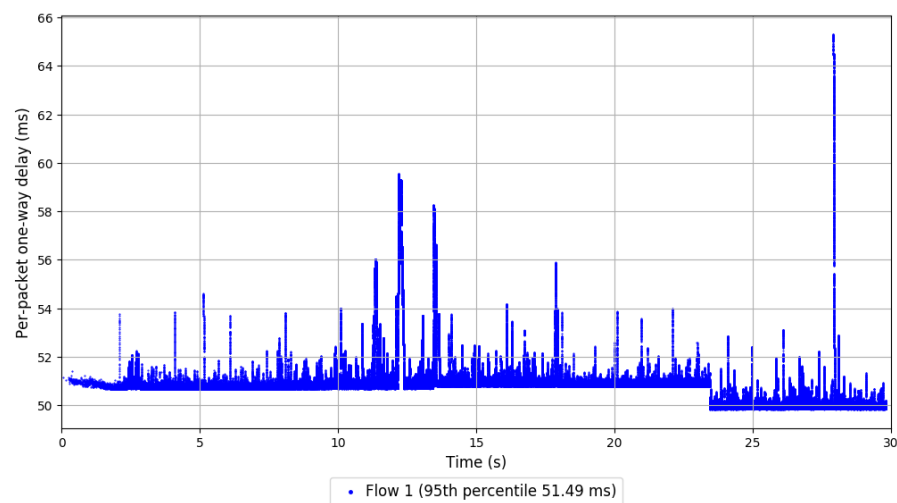
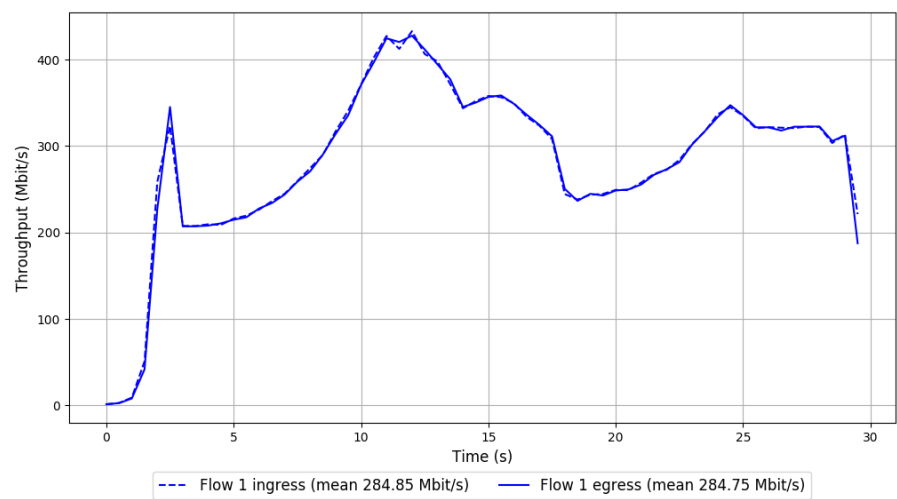
-- Flow 1:

Average throughput: 284.75 Mbit/s

95th percentile per-packet one-way delay: 51.488 ms

Loss rate: 0.38%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 13:21:18

End at: 2018-04-17 13:21:48

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.41 Mbit/s

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

Loss rate: 0.37%

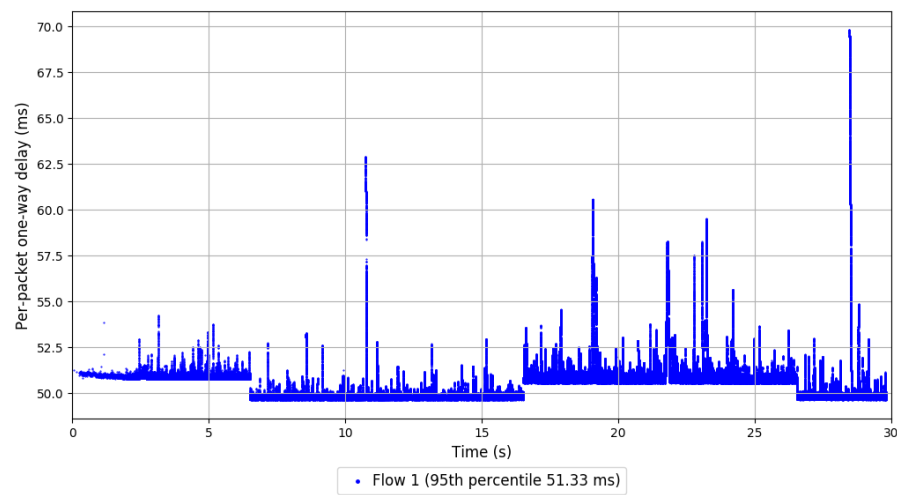
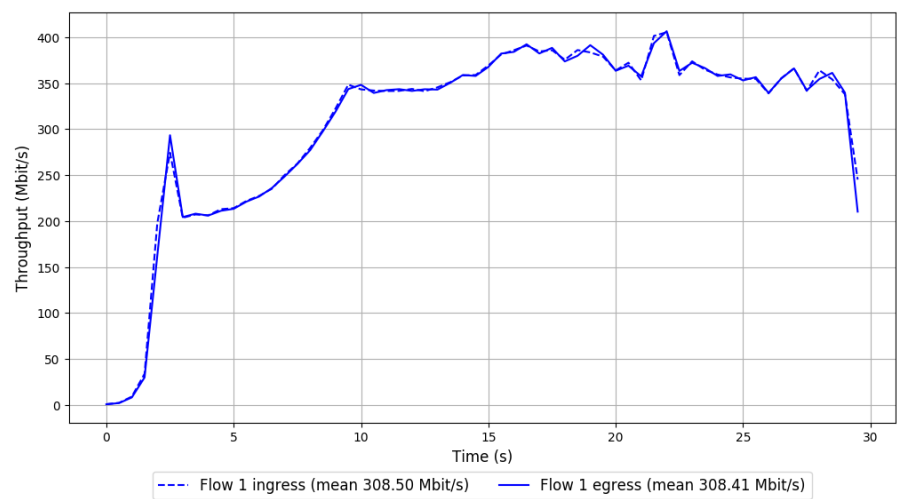
-- Flow 1:

Average throughput: 308.41 Mbit/s

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

Loss rate: 0.37%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 13:34:15

End at: 2018-04-17 13:34:45

Below is generated by plot.py at 2018-04-17 17:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.48 Mbit/s

95th percentile per-packet one-way delay: 50.535 ms

Loss rate: 0.41%

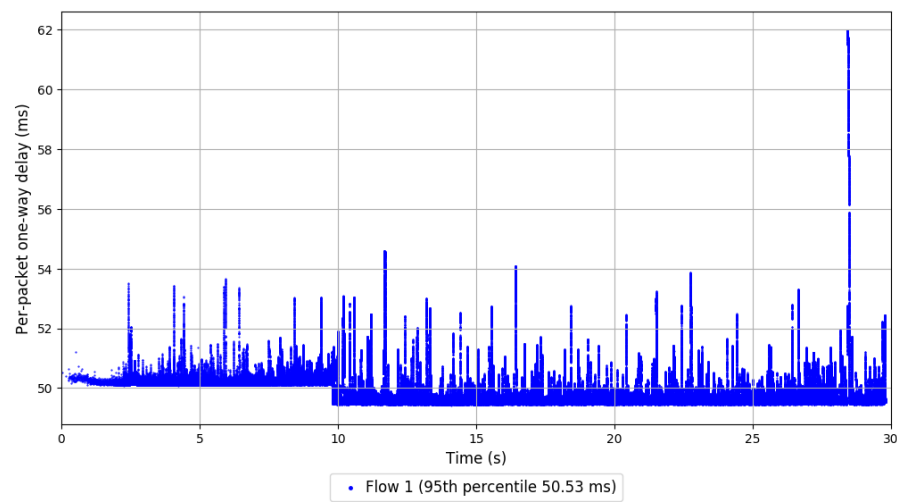
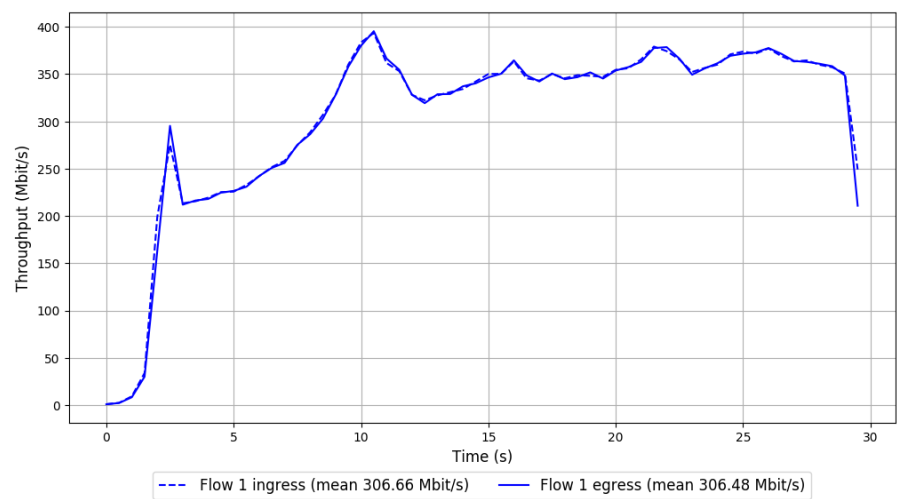
-- Flow 1:

Average throughput: 306.48 Mbit/s

95th percentile per-packet one-way delay: 50.535 ms

Loss rate: 0.41%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 13:47:17

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

Below is generated by plot.py at 2018-04-17 17:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.32 Mbit/s

95th percentile per-packet one-way delay: 69.030 ms

Loss rate: 0.35%

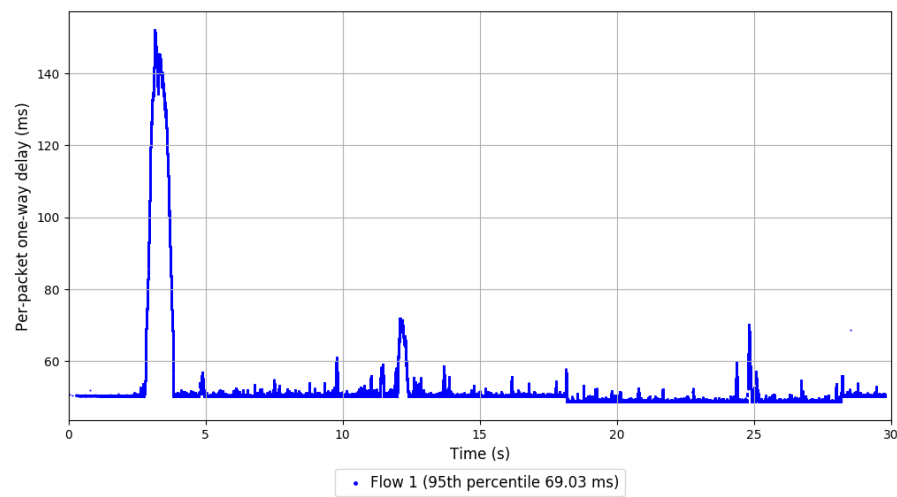
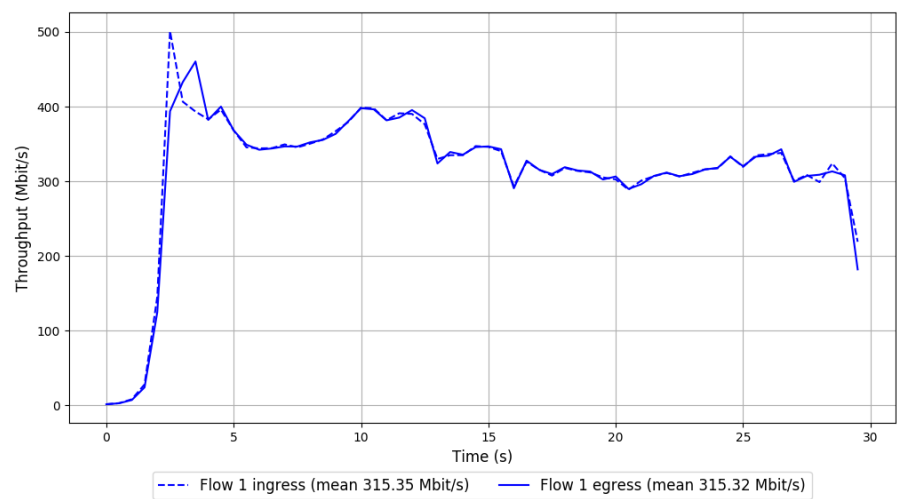
-- Flow 1:

Average throughput: 315.32 Mbit/s

95th percentile per-packet one-way delay: 69.030 ms

Loss rate: 0.35%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 14:00:17

End at: 2018-04-17 14:00:48

Below is generated by plot.py at 2018-04-17 17:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.25 Mbit/s

95th percentile per-packet one-way delay: 50.761 ms

Loss rate: 0.33%

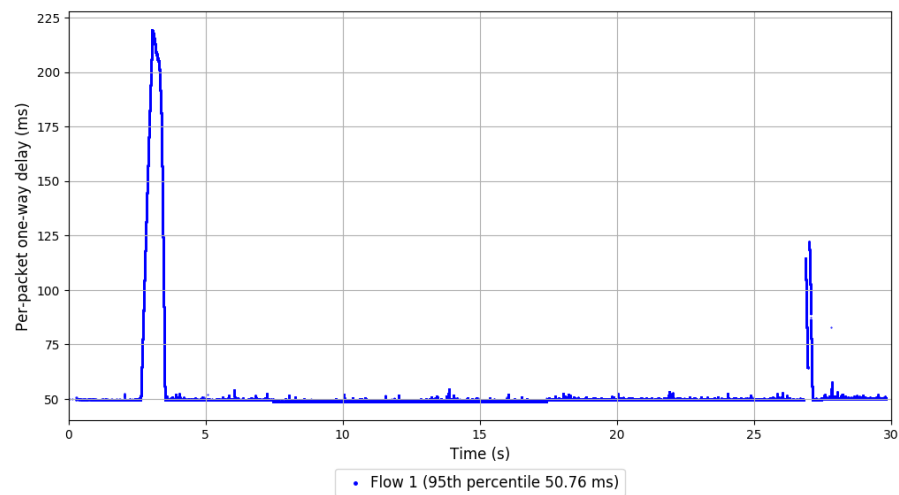
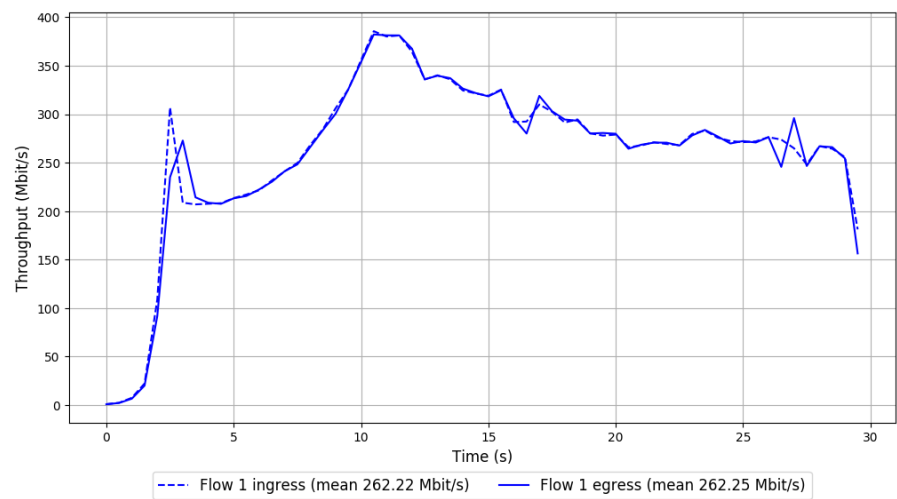
-- Flow 1:

Average throughput: 262.25 Mbit/s

95th percentile per-packet one-way delay: 50.761 ms

Loss rate: 0.33%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 14:13:17

End at: 2018-04-17 14:13:47

Below is generated by plot.py at 2018-04-17 17:49:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.79 Mbit/s

95th percentile per-packet one-way delay: 67.670 ms

Loss rate: 0.35%

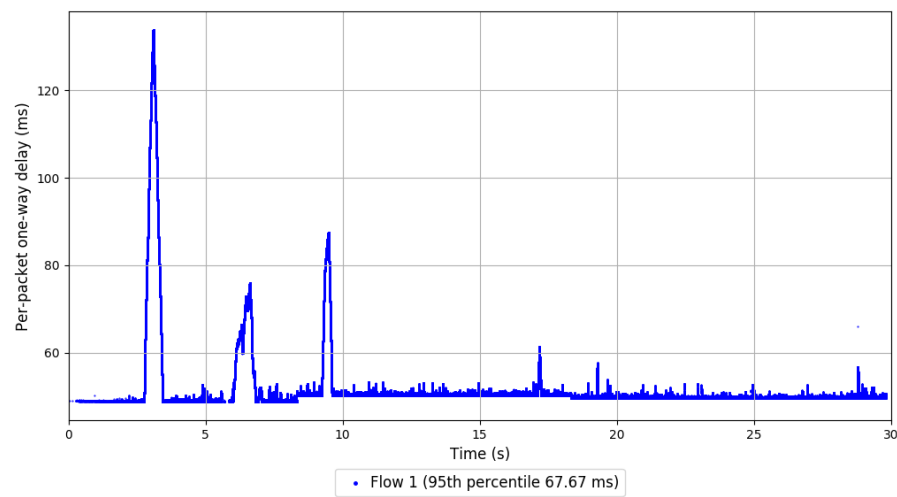
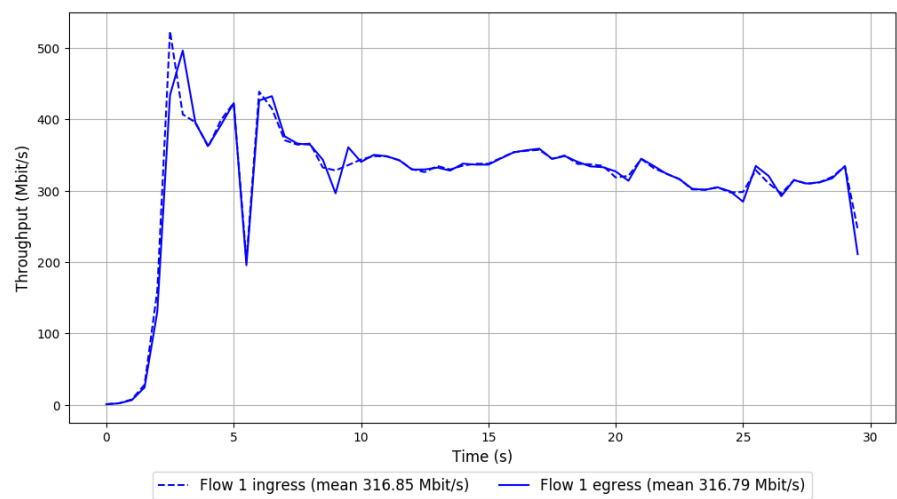
-- Flow 1:

Average throughput: 316.79 Mbit/s

95th percentile per-packet one-way delay: 67.670 ms

Loss rate: 0.35%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 14:26:19

End at: 2018-04-17 14:26:49

Below is generated by plot.py at 2018-04-17 17:49:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.06 Mbit/s

95th percentile per-packet one-way delay: 89.532 ms

Loss rate: 0.37%

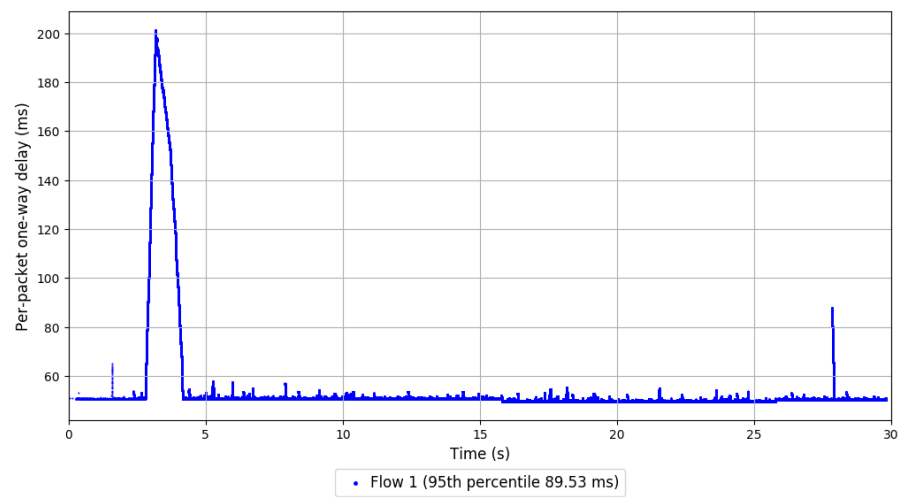
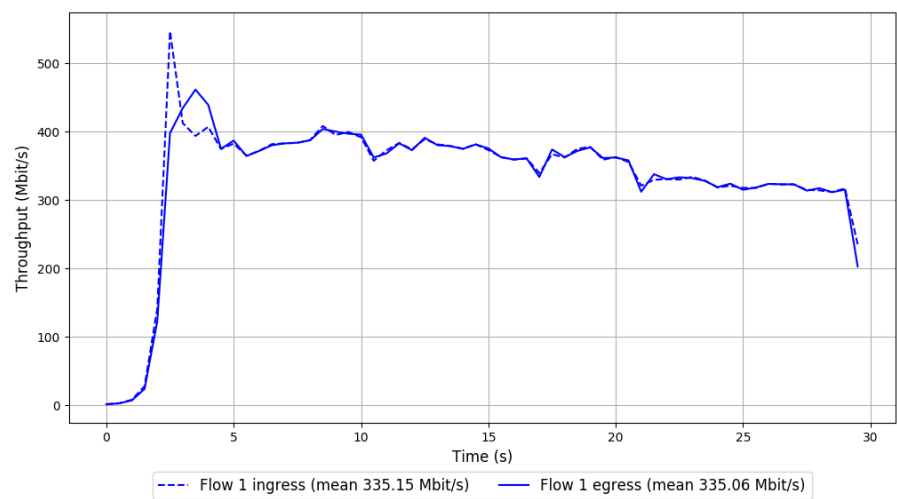
-- Flow 1:

Average throughput: 335.06 Mbit/s

95th percentile per-packet one-way delay: 89.532 ms

Loss rate: 0.37%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 12:22:13

End at: 2018-04-17 12:22:43

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 12:35:15

End at: 2018-04-17 12:35:45

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 12:48:09

End at: 2018-04-17 12:48:39

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 13:01:07

End at: 2018-04-17 13:01:37

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 13:14:03

End at: 2018-04-17 13:14:33

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 13:27:06

End at: 2018-04-17 13:27:36

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 13:40:01

End at: 2018-04-17 13:40:31

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 13:53:02

End at: 2018-04-17 13:53:32

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 14:06:00

End at: 2018-04-17 14:06:30

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

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

End at: 2018-04-17 14:19:34

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing