

Pantheon Report

Generated at 2018-04-17 12:07:00 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

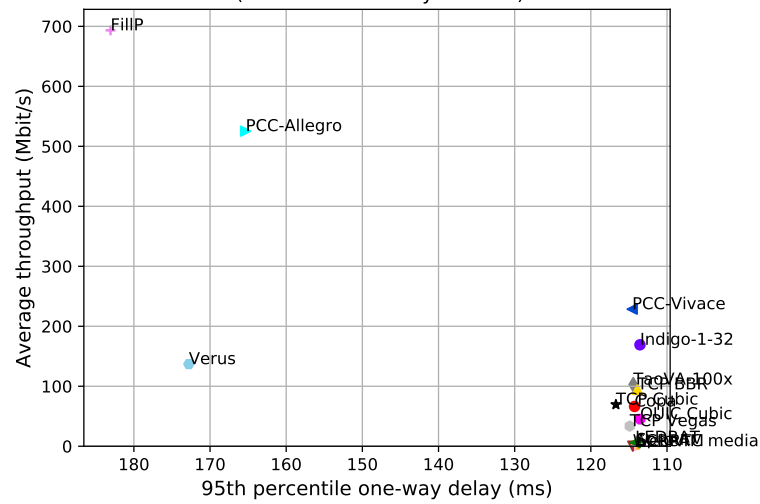
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

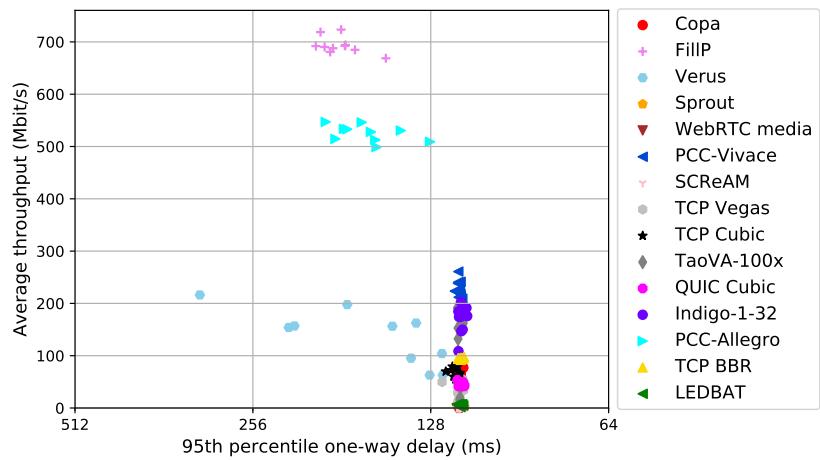
Git summary:

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

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.75	113.89	0.00
TCP Cubic	10	69.45	116.71	0.00
LEDBAT	10	5.98	114.18	0.00
PCC-Allegro	10	525.32	165.32	0.49
QUIC Cubic	9	45.17	113.53	0.00
SCReAM	10	0.18	114.17	0.00
WebRTC media	10	0.06	114.49	0.00
Sprout	10	2.21	114.05	0.00
TaoVA-100x	10	102.83	114.43	0.00
TCP Vegas	10	33.50	114.89	0.00
Verus	10	136.87	172.79	2.59
Copa	10	66.32	114.26	0.00
FillP	10	693.37	183.07	1.56
Indigo-1-32	10	169.10	113.55	0.00
PCC-Vivace	10	228.52	114.58	0.00
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 07:57:40

End at: 2018-04-17 07:58:10

Below is generated by plot.py at 2018-04-17 11:16:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 114.838 ms

Loss rate: 0.00%

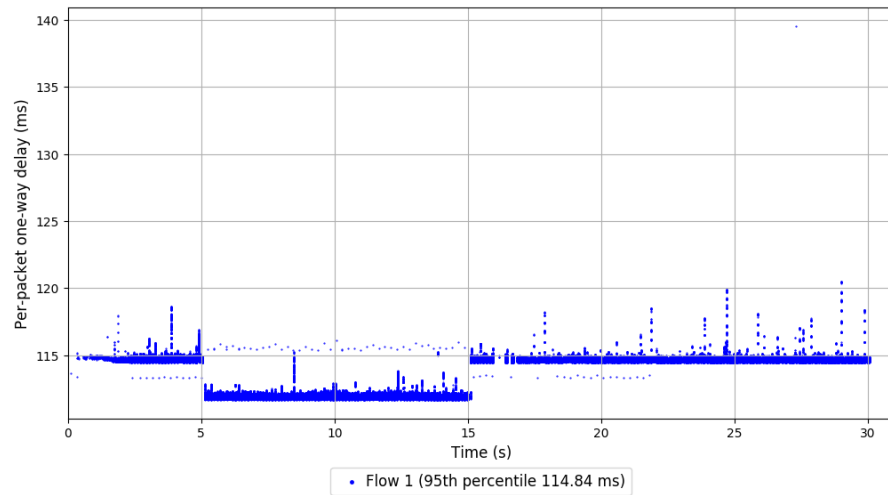
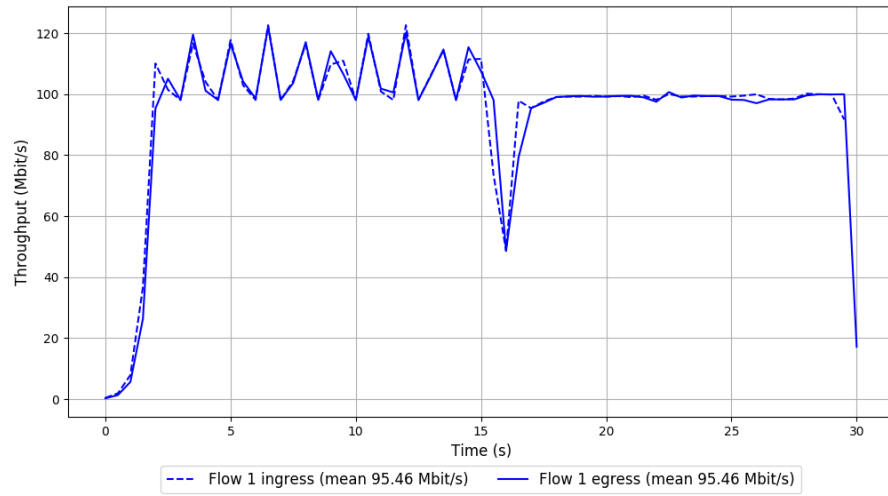
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 114.838 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 08:11:49

End at: 2018-04-17 08:12:19

Below is generated by plot.py at 2018-04-17 11:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 114.949 ms

Loss rate: 0.00%

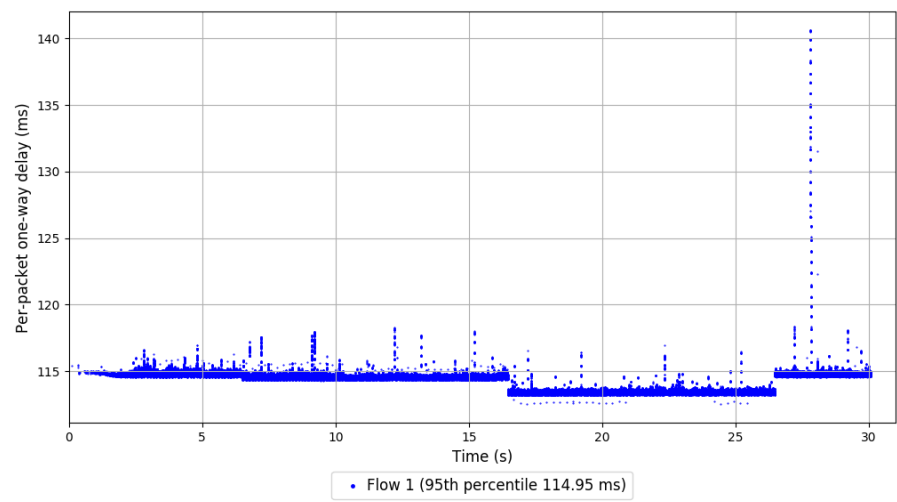
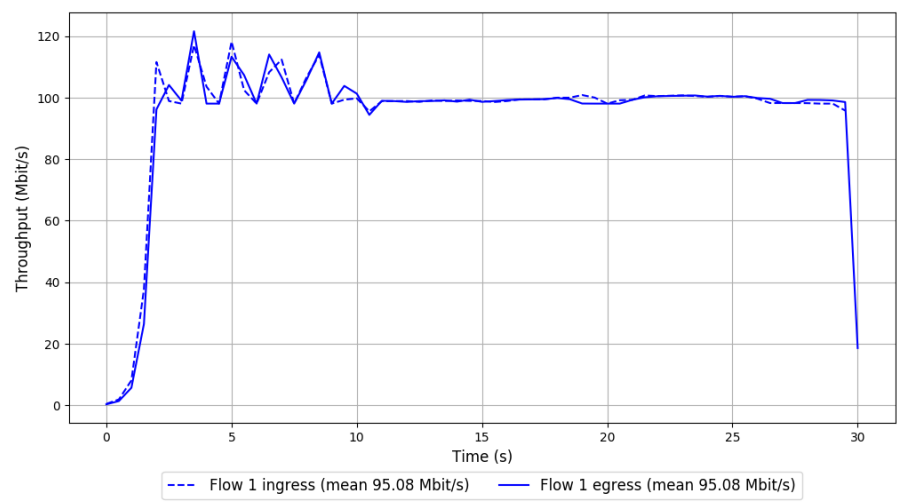
-- Flow 1:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 114.949 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 08:25:45

End at: 2018-04-17 08:26:15

Below is generated by plot.py at 2018-04-17 11:16:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 114.037 ms

Loss rate: 0.00%

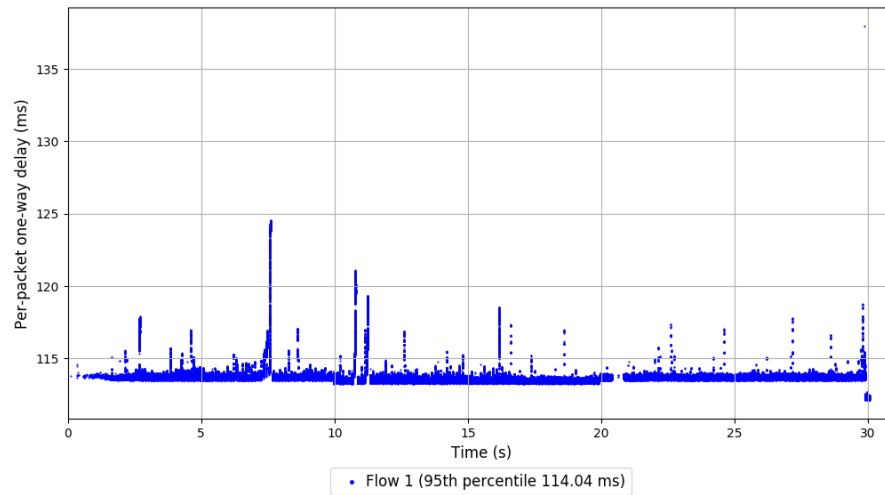
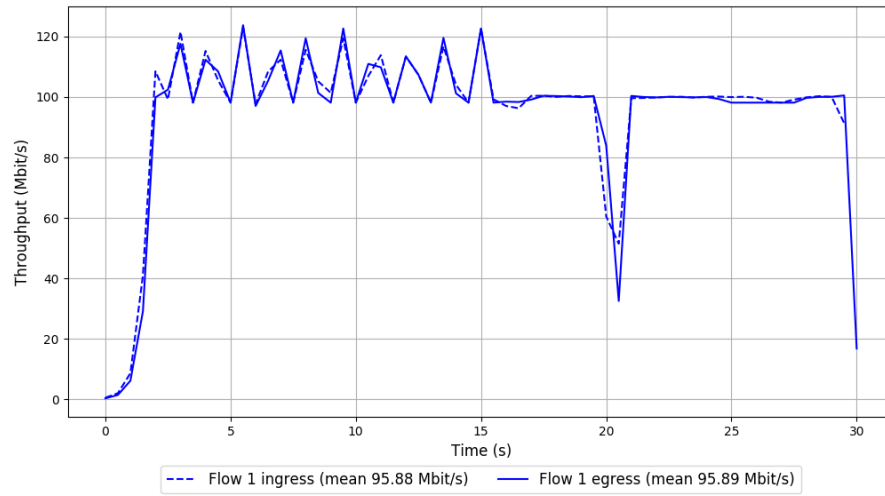
-- Flow 1:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 114.037 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 08:39:54

End at: 2018-04-17 08:40:24

Below is generated by plot.py at 2018-04-17 11:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 112.381 ms

Loss rate: 0.00%

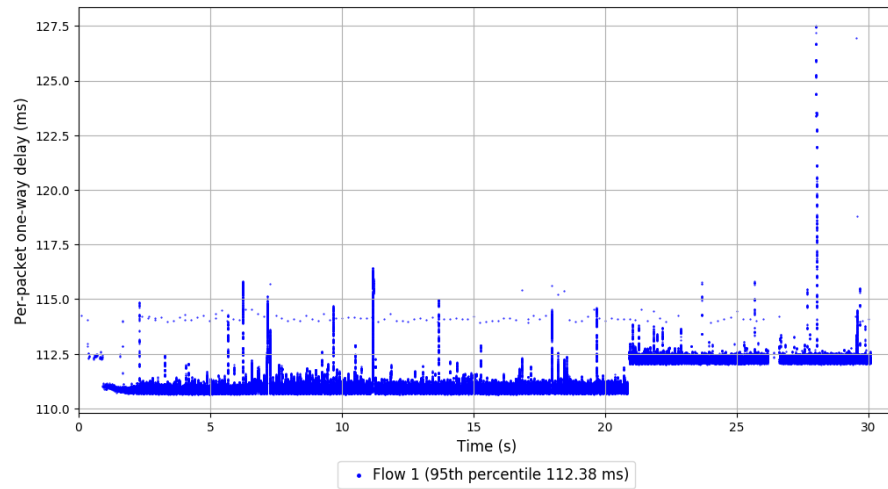
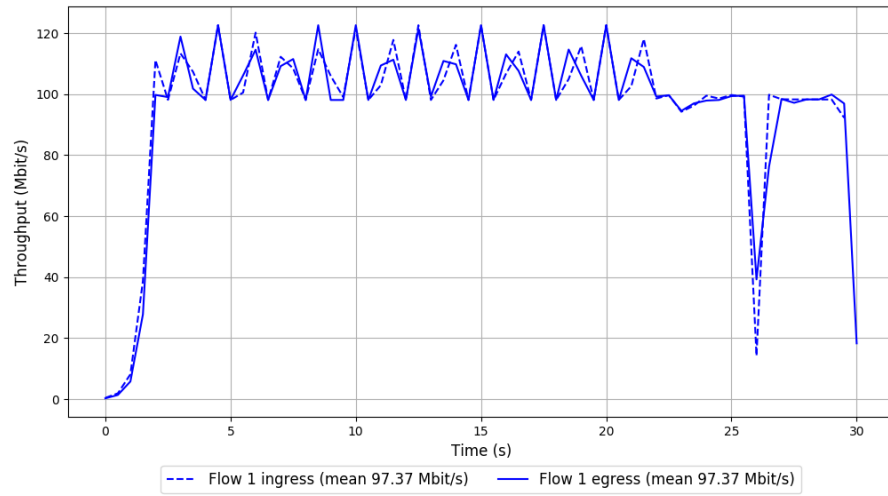
-- Flow 1:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 112.381 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 08:53:50

End at: 2018-04-17 08:54:20

Below is generated by plot.py at 2018-04-17 11:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 112.736 ms

Loss rate: 0.00%

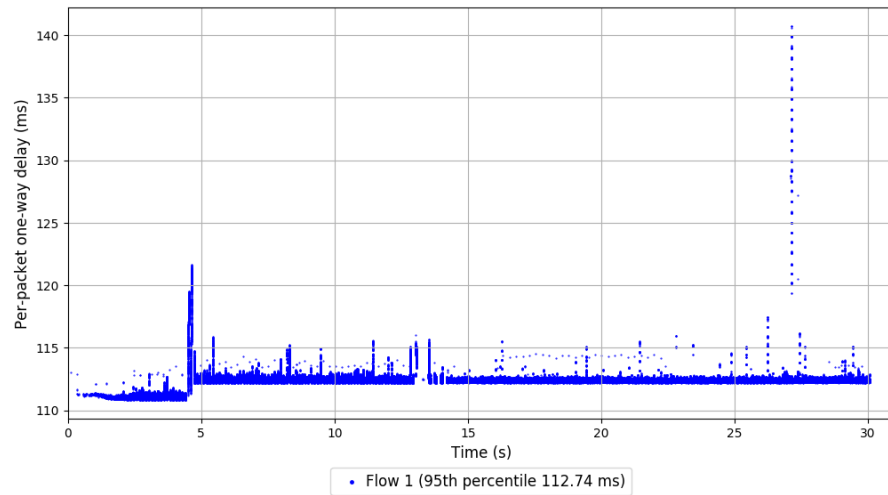
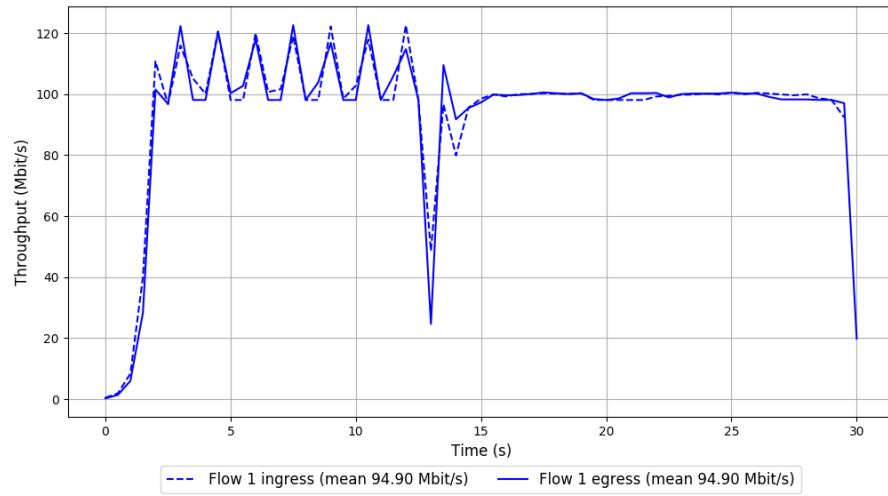
-- Flow 1:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 112.736 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 09:07:52

End at: 2018-04-17 09:08:22

Below is generated by plot.py at 2018-04-17 11:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.49 Mbit/s

95th percentile per-packet one-way delay: 113.897 ms

Loss rate: 0.00%

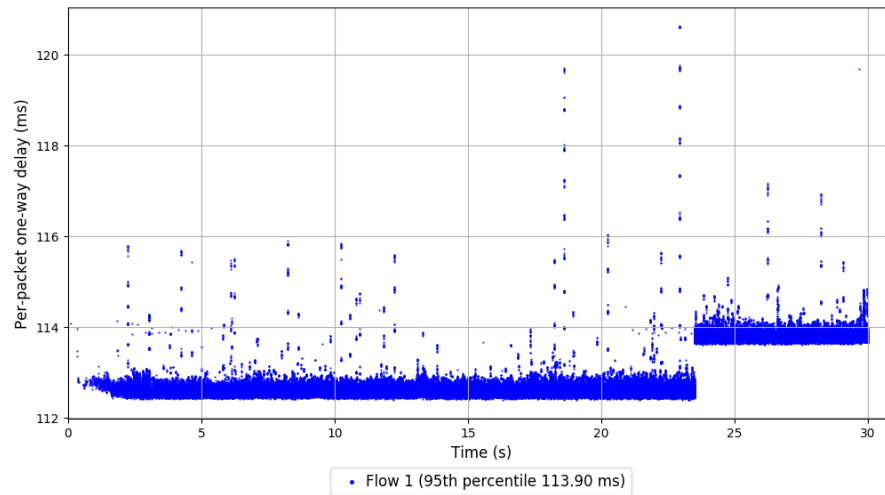
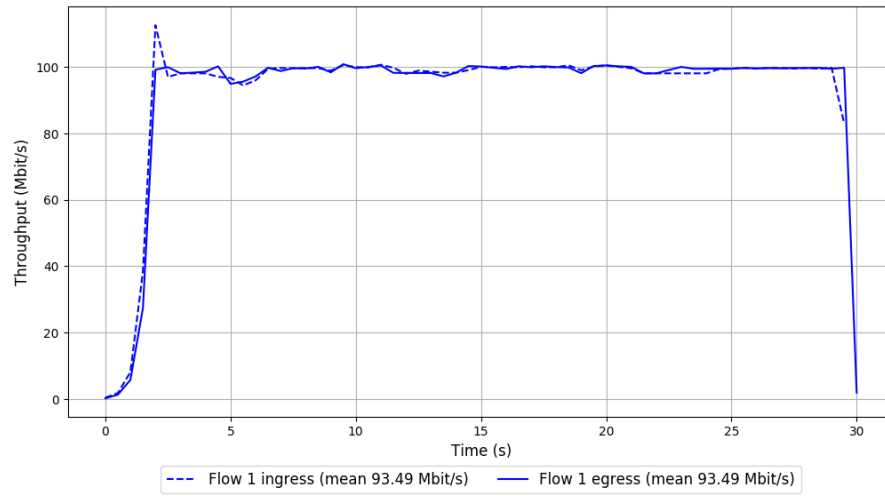
-- Flow 1:

Average throughput: 93.49 Mbit/s

95th percentile per-packet one-way delay: 113.897 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 09:22:06

End at: 2018-04-17 09:22:36

Below is generated by plot.py at 2018-04-17 11:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 115.065 ms

Loss rate: 0.00%

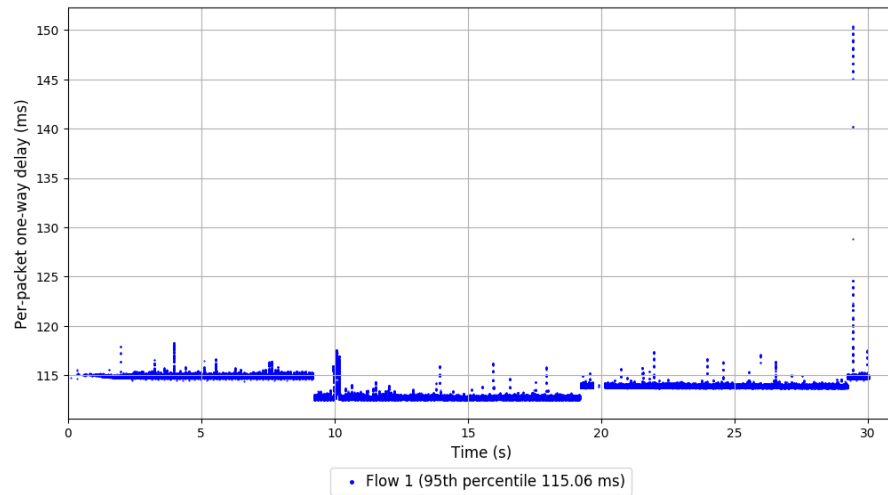
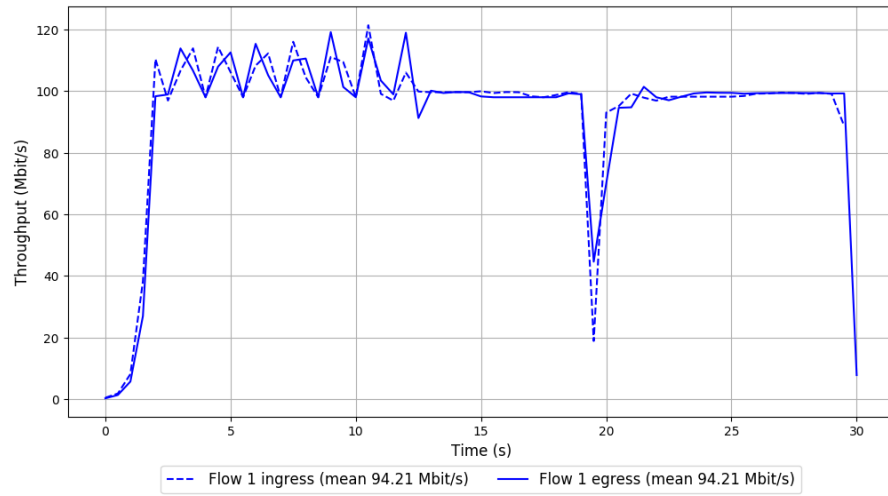
-- Flow 1:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 115.065 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 09:36:25

End at: 2018-04-17 09:36:55

Below is generated by plot.py at 2018-04-17 11:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 113.883 ms

Loss rate: 0.00%

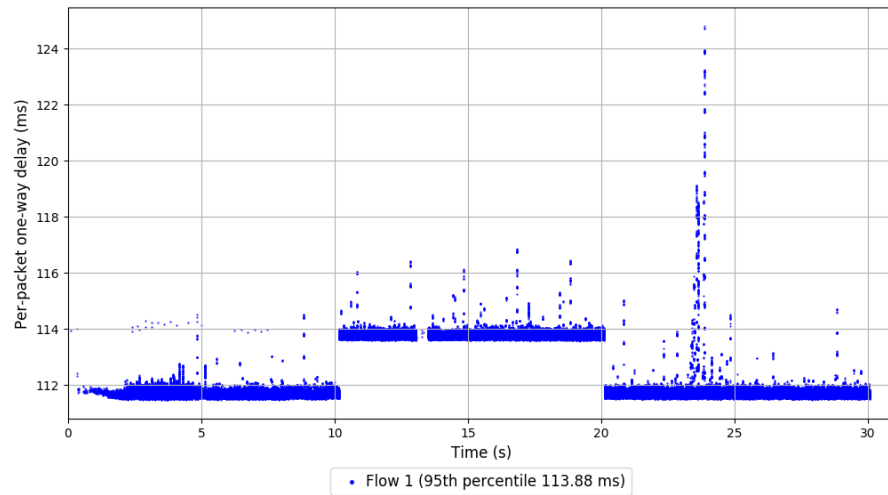
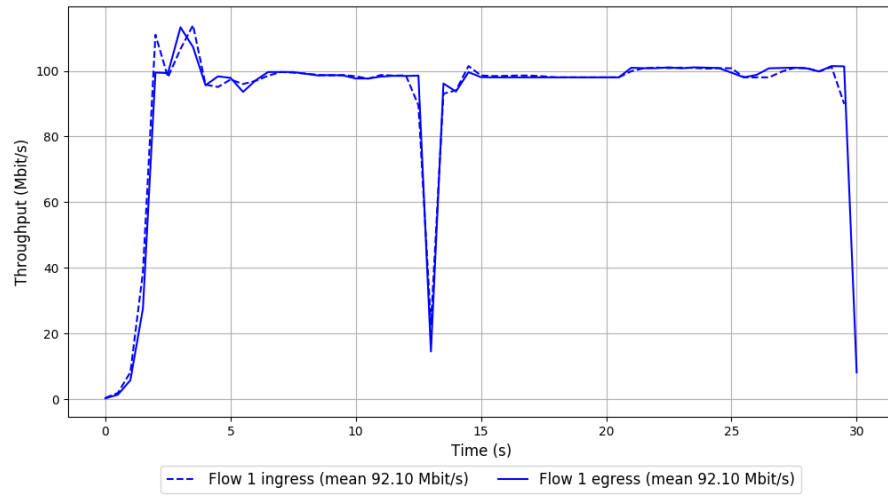
-- Flow 1:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 113.883 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 09:50:30

End at: 2018-04-17 09:51:00

Below is generated by plot.py at 2018-04-17 11:17:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 113.736 ms

Loss rate: 0.00%

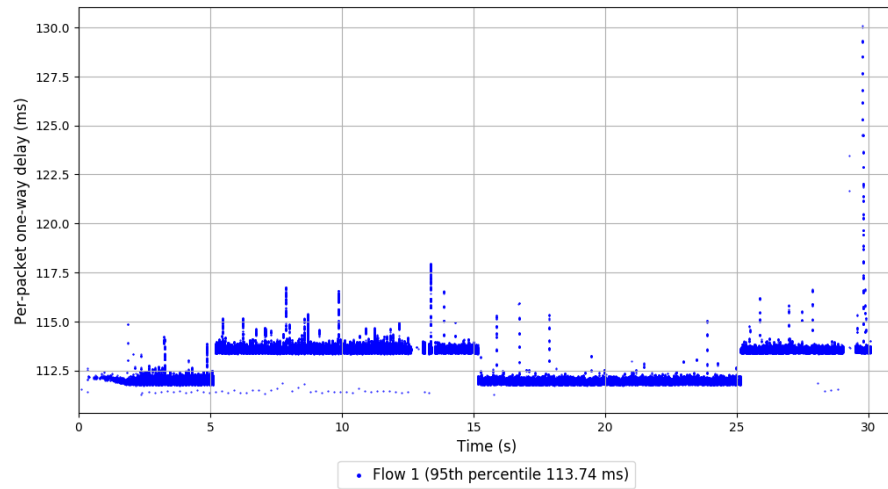
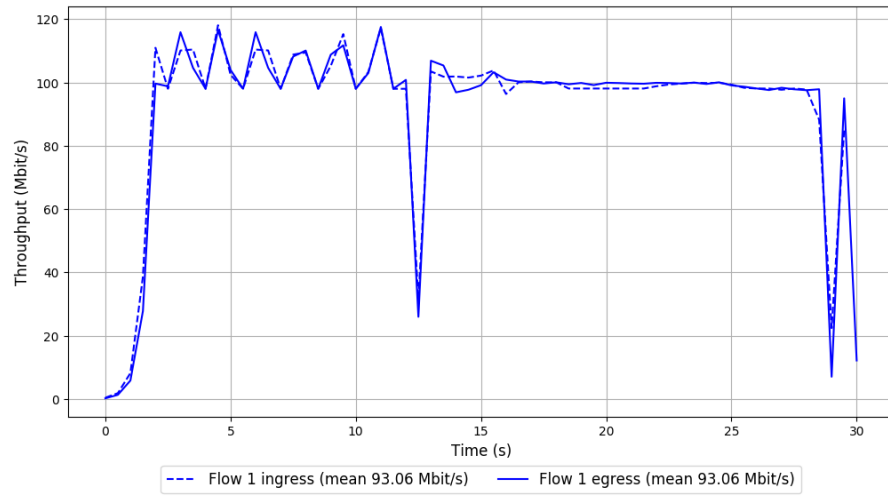
-- Flow 1:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 113.736 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 10:04:49

End at: 2018-04-17 10:05:19

Below is generated by plot.py at 2018-04-17 11:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 113.359 ms

Loss rate: 0.00%

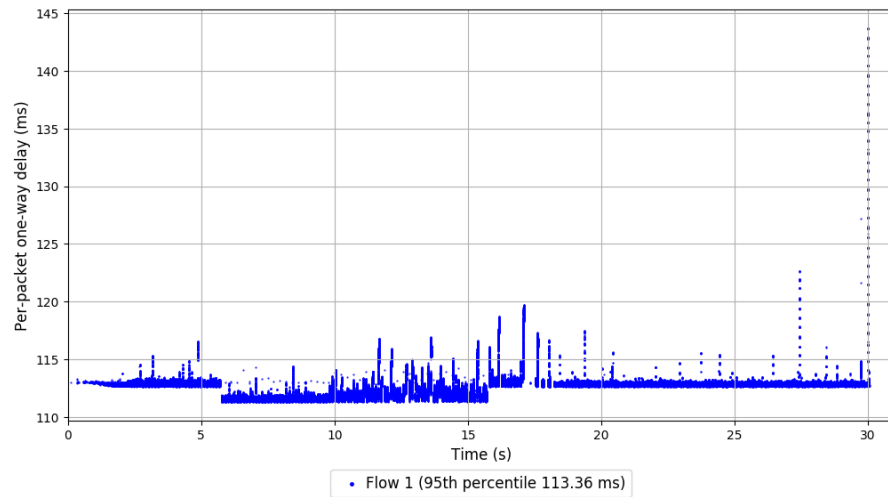
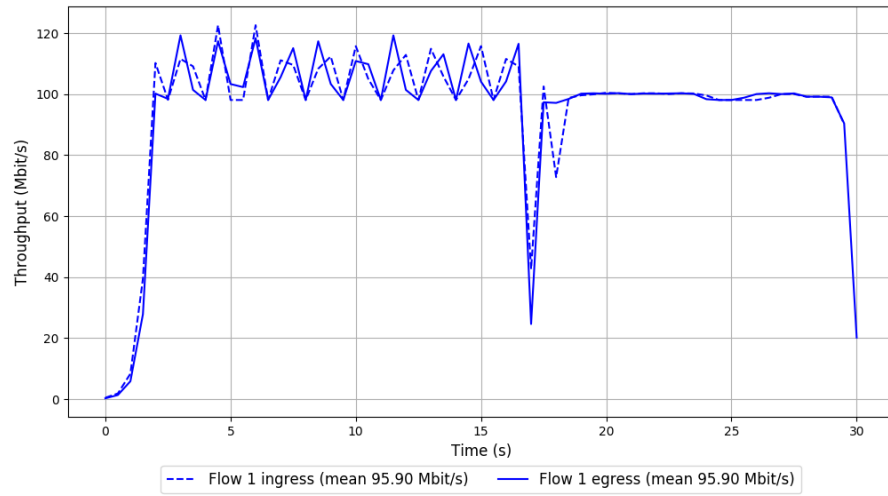
-- Flow 1:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 113.359 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 07:53:36

End at: 2018-04-17 07:54:06

Below is generated by plot.py at 2018-04-17 11:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 116.466 ms

Loss rate: 0.00%

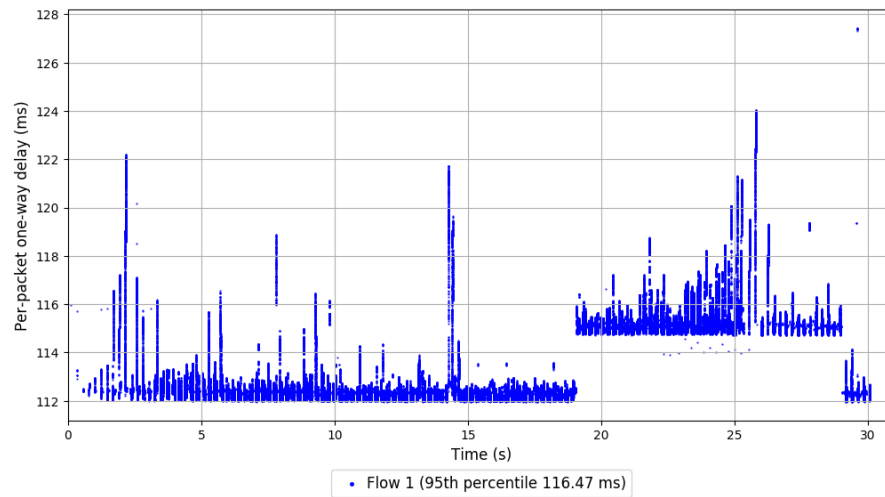
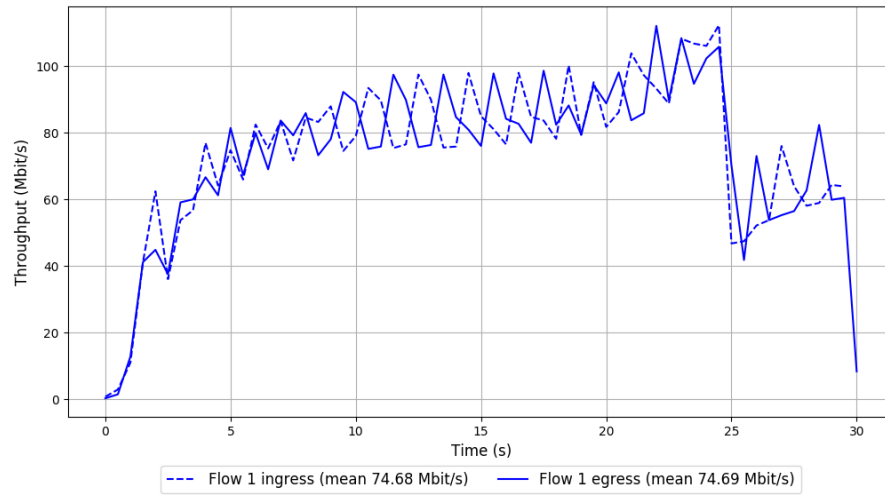
-- Flow 1:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 116.466 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 08:07:39

End at: 2018-04-17 08:08:09

Below is generated by plot.py at 2018-04-17 11:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.25 Mbit/s

95th percentile per-packet one-way delay: 116.320 ms

Loss rate: 0.00%

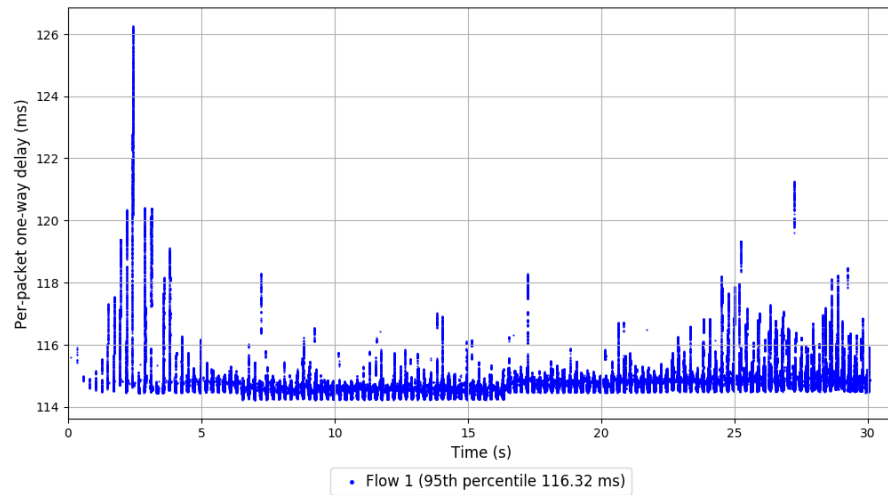
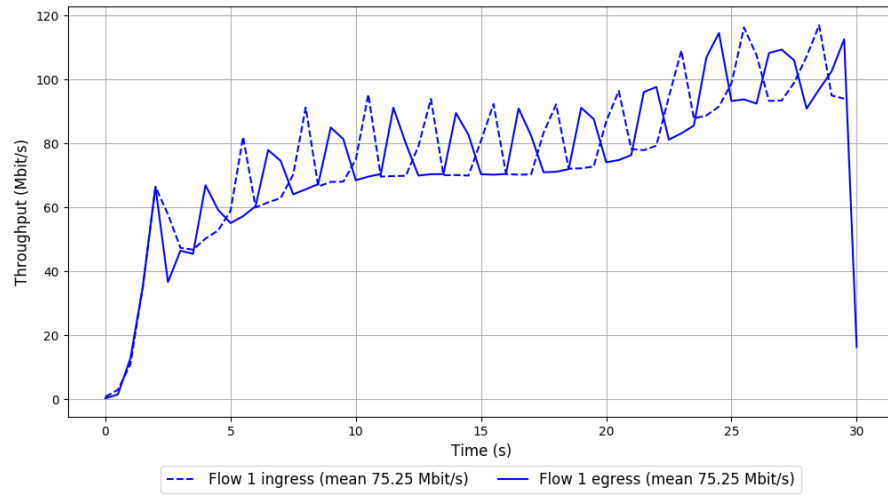
-- Flow 1:

Average throughput: 75.25 Mbit/s

95th percentile per-packet one-way delay: 116.320 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 08:21:48

End at: 2018-04-17 08:22:18

Below is generated by plot.py at 2018-04-17 11:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.73 Mbit/s

95th percentile per-packet one-way delay: 116.262 ms

Loss rate: 0.00%

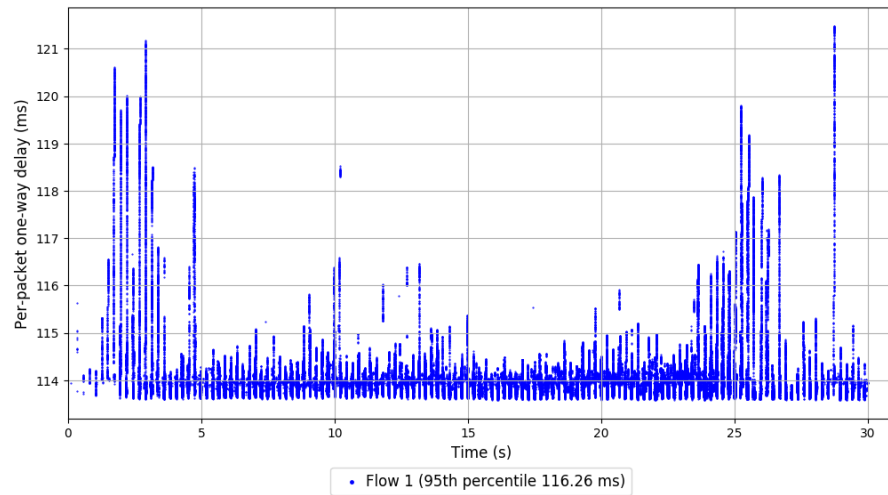
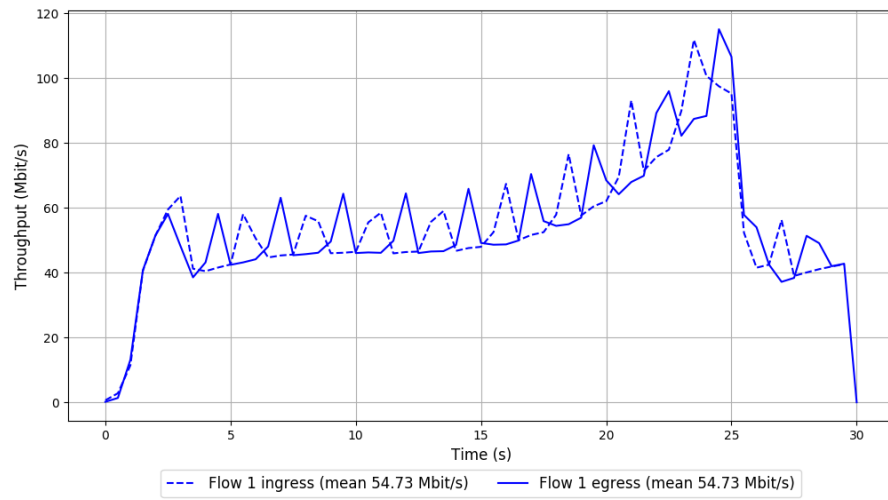
-- Flow 1:

Average throughput: 54.73 Mbit/s

95th percentile per-packet one-way delay: 116.262 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 08:35:49

End at: 2018-04-17 08:36:19

Below is generated by plot.py at 2018-04-17 11:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.57 Mbit/s

95th percentile per-packet one-way delay: 114.466 ms

Loss rate: 0.00%

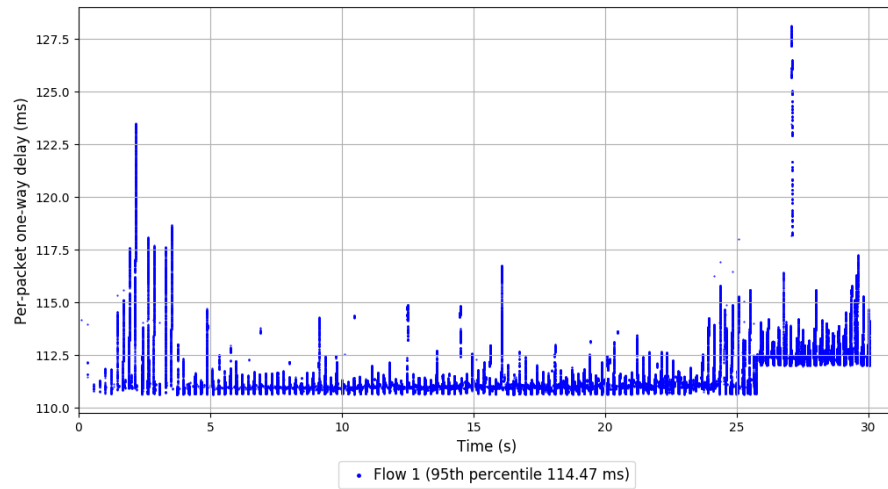
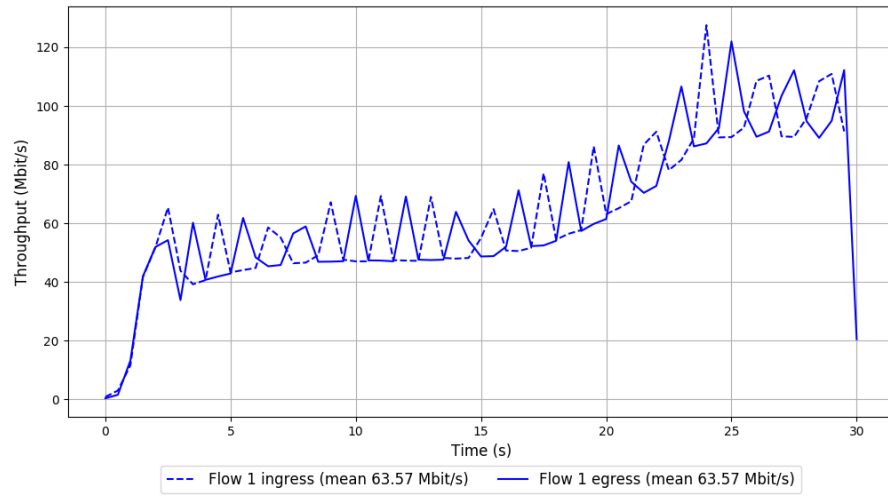
-- Flow 1:

Average throughput: 63.57 Mbit/s

95th percentile per-packet one-way delay: 114.466 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 08:49:58

End at: 2018-04-17 08:50:28

Below is generated by plot.py at 2018-04-17 11:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 114.150 ms

Loss rate: 0.00%

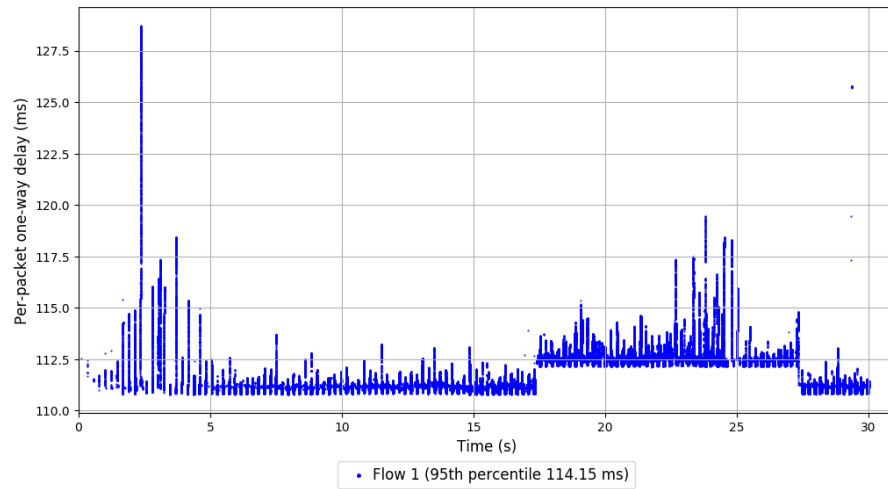
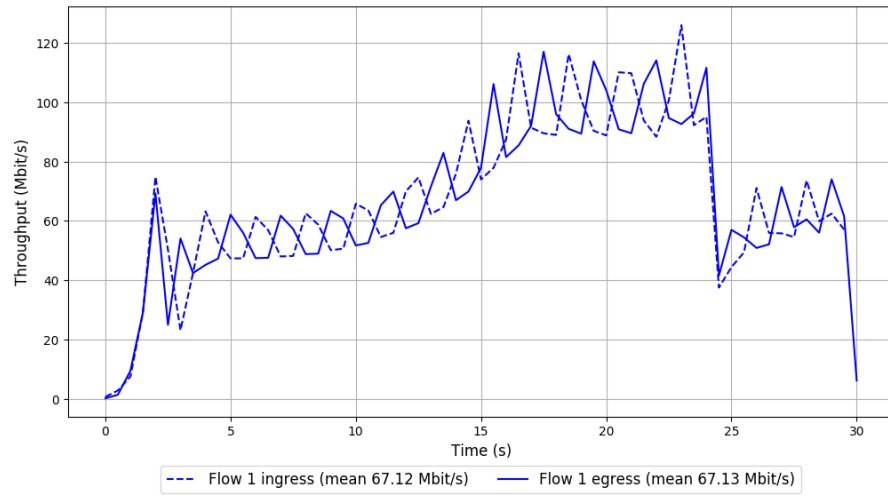
-- Flow 1:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 114.150 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 09:03:52

End at: 2018-04-17 09:04:22

Below is generated by plot.py at 2018-04-17 11:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.24 Mbit/s

95th percentile per-packet one-way delay: 118.361 ms

Loss rate: 0.00%

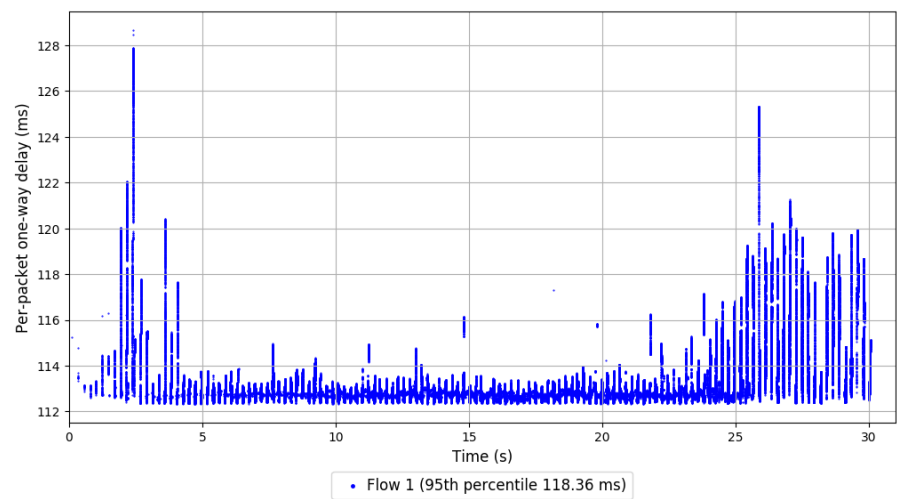
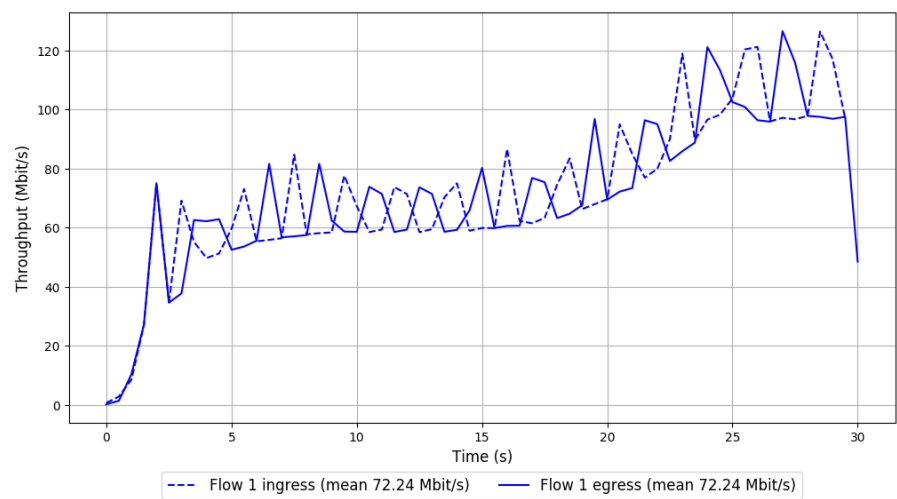
-- Flow 1:

Average throughput: 72.24 Mbit/s

95th percentile per-packet one-way delay: 118.361 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 09:17:51

End at: 2018-04-17 09:18:21

Below is generated by plot.py at 2018-04-17 11:18:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 120.740 ms

Loss rate: 0.00%

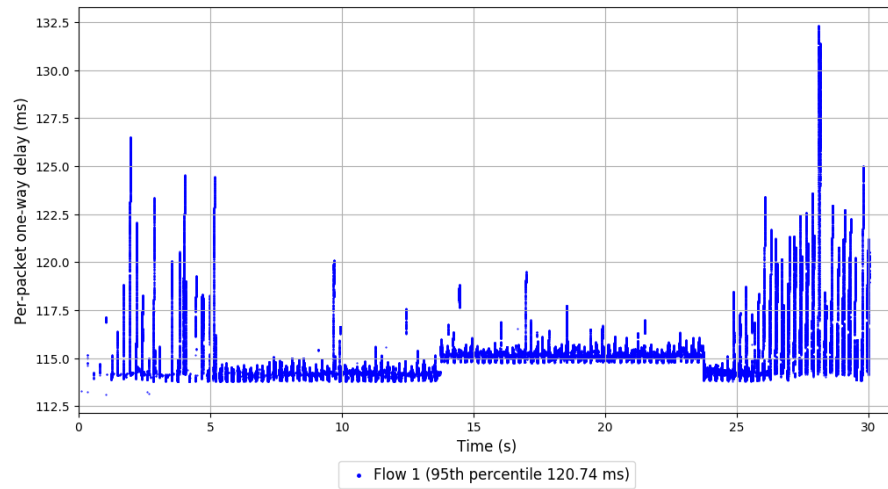
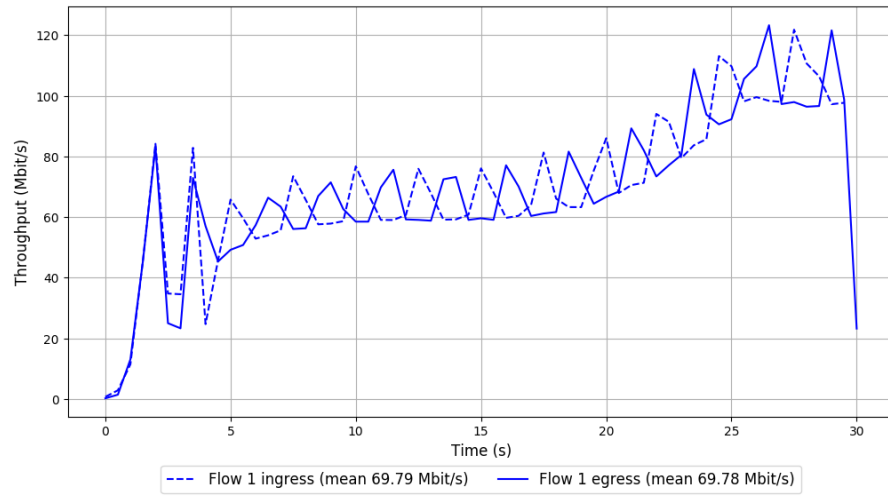
-- Flow 1:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 120.740 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 09:32:08

End at: 2018-04-17 09:32:38

Below is generated by plot.py at 2018-04-17 11:18:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.19 Mbit/s

95th percentile per-packet one-way delay: 117.637 ms

Loss rate: 0.00%

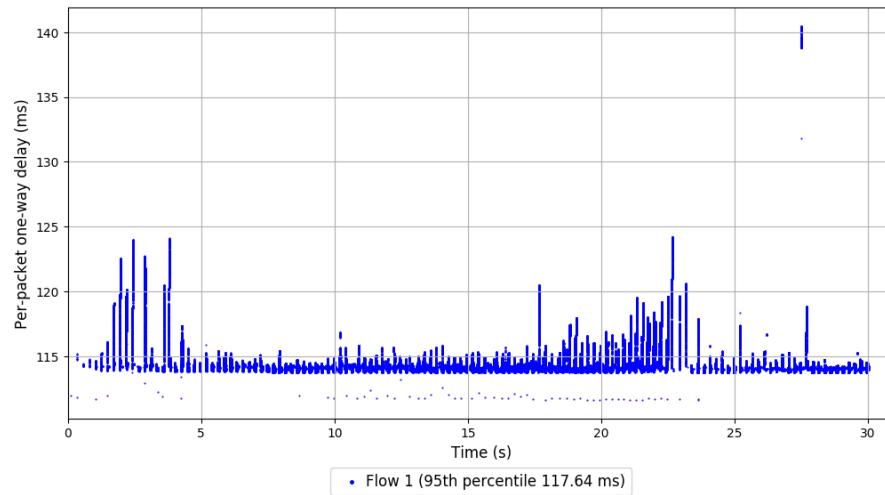
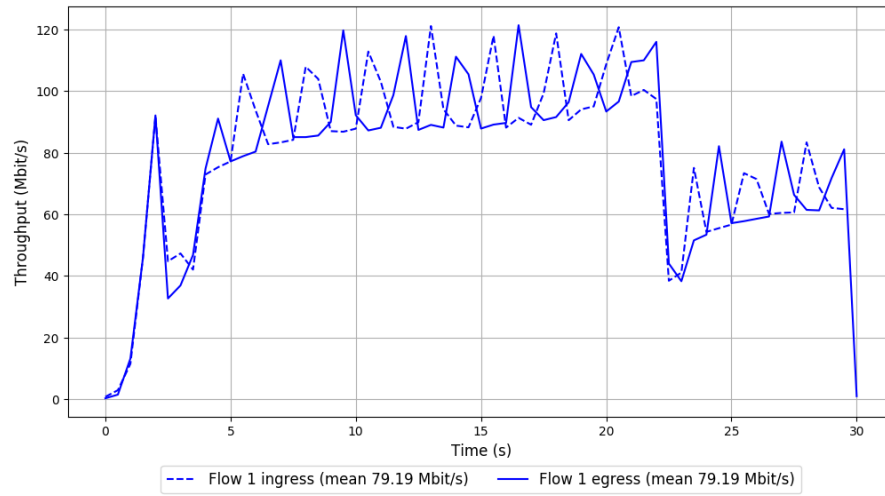
-- Flow 1:

Average throughput: 79.19 Mbit/s

95th percentile per-packet one-way delay: 117.637 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 09:46:25

End at: 2018-04-17 09:46:55

Below is generated by plot.py at 2018-04-17 11:18:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.97 Mbit/s

95th percentile per-packet one-way delay: 117.122 ms

Loss rate: 0.00%

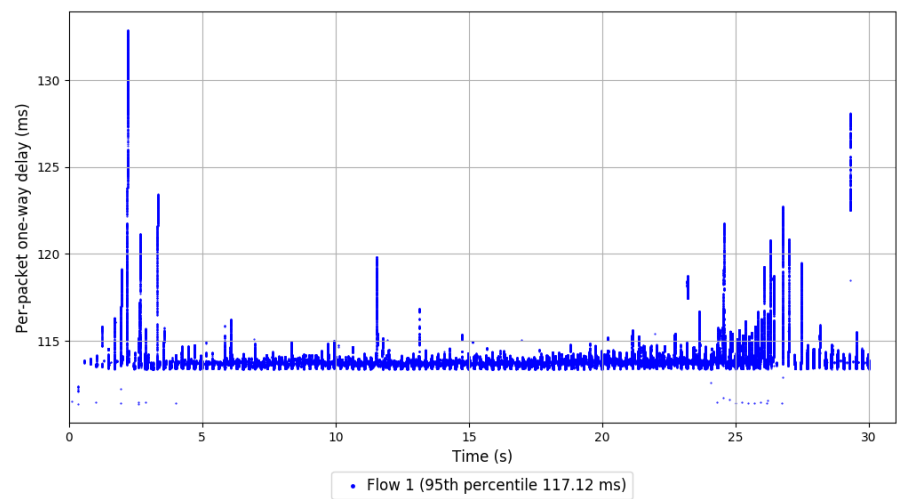
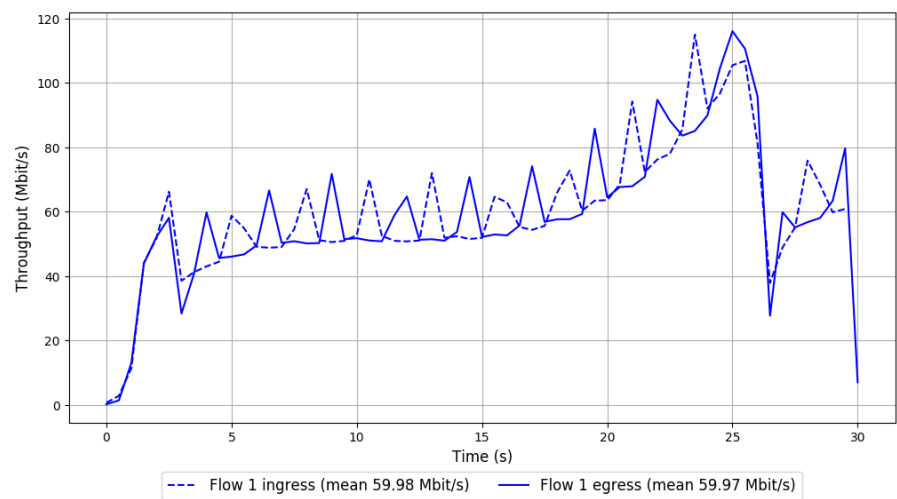
-- Flow 1:

Average throughput: 59.97 Mbit/s

95th percentile per-packet one-way delay: 117.122 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 10:00:32

End at: 2018-04-17 10:01:02

Below is generated by plot.py at 2018-04-17 11:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 115.569 ms

Loss rate: 0.00%

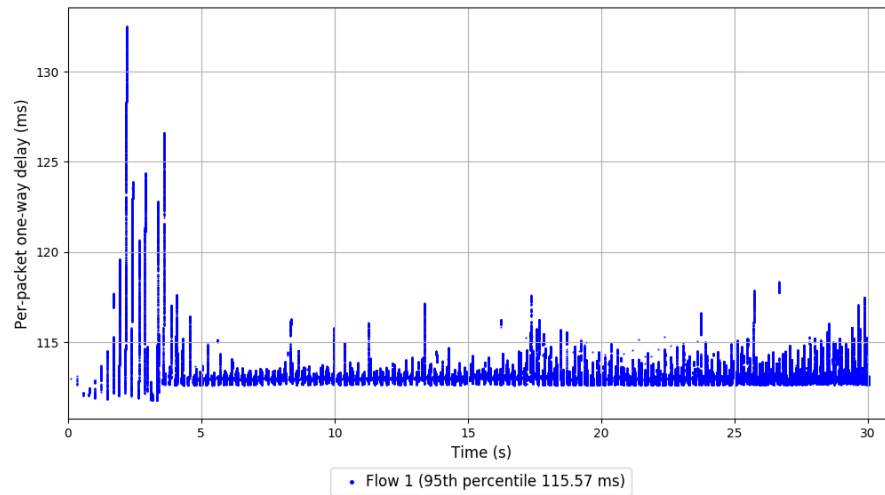
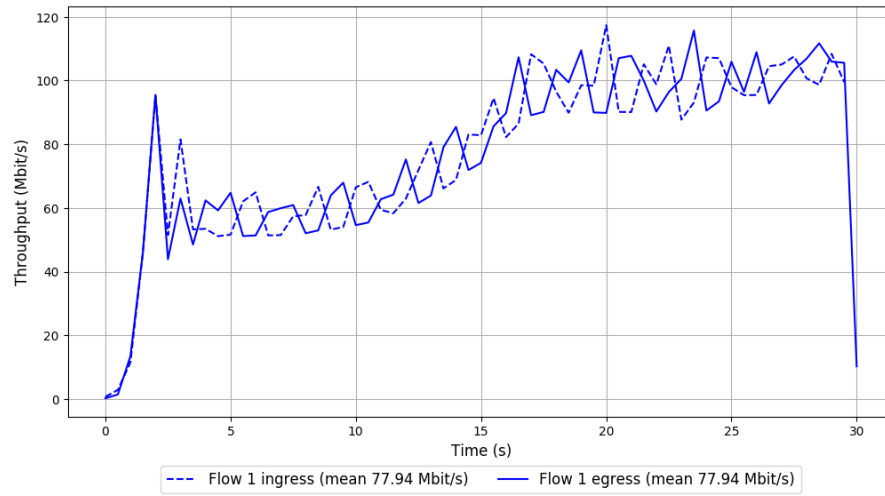
-- Flow 1:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 115.569 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

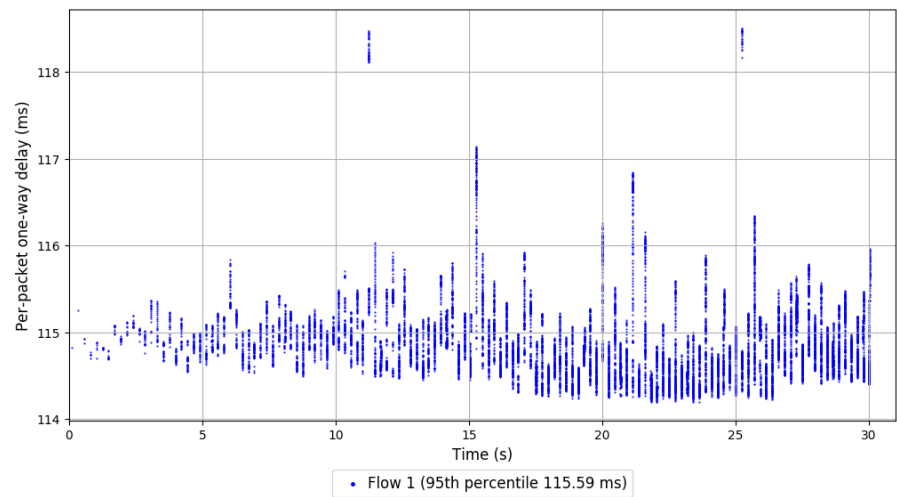
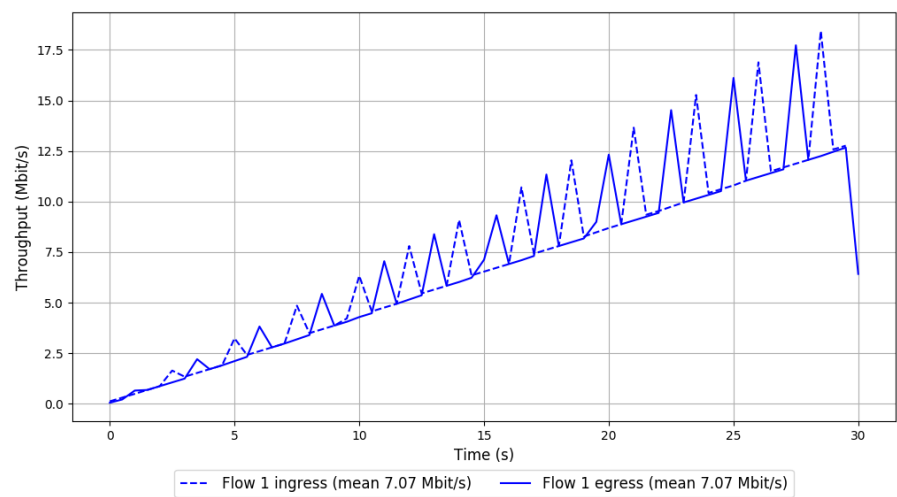


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 08:04:19
End at: 2018-04-17 08:04:49

# Below is generated by plot.py at 2018-04-17 11:18:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 115.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 115.590 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

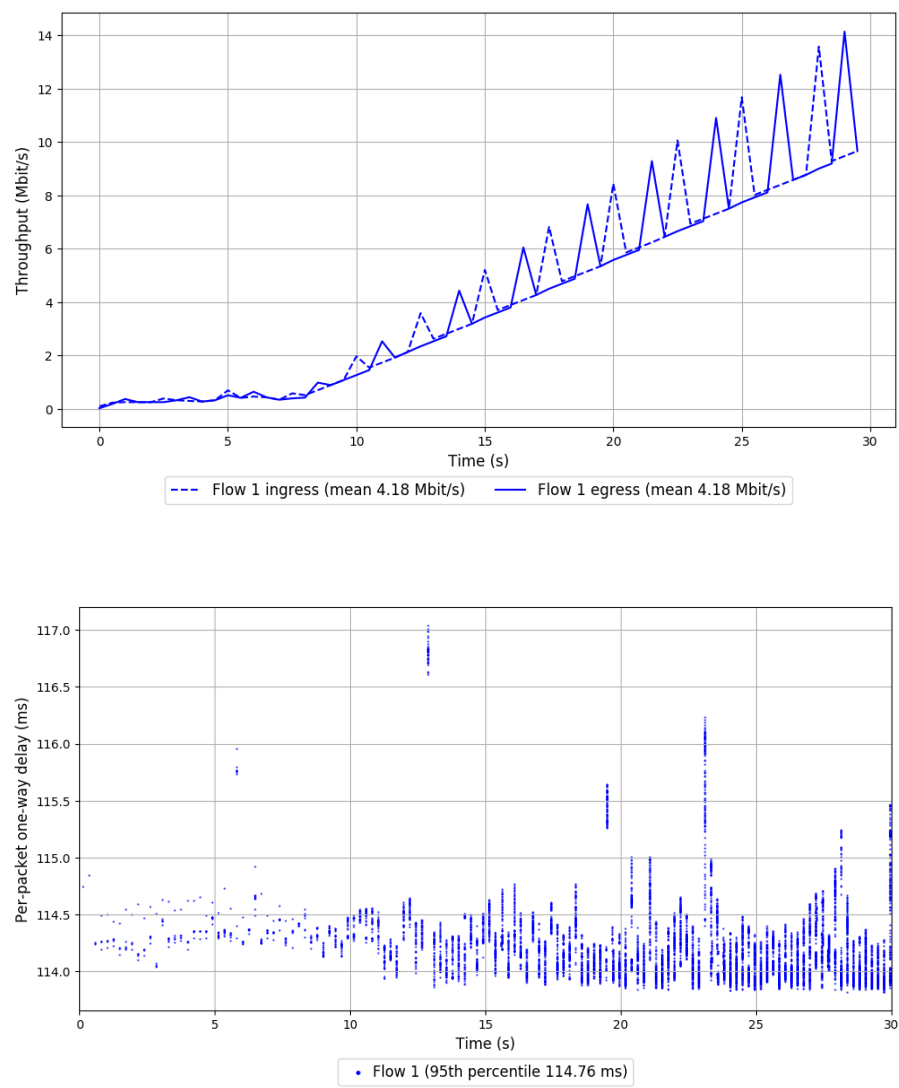


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-17 08:18:27
End at: 2018-04-17 08:18:57

# Below is generated by plot.py at 2018-04-17 11:18:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 114.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 114.764 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-17 08:32:28

End at: 2018-04-17 08:32:58

Below is generated by plot.py at 2018-04-17 11:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 113.429 ms

Loss rate: 0.00%

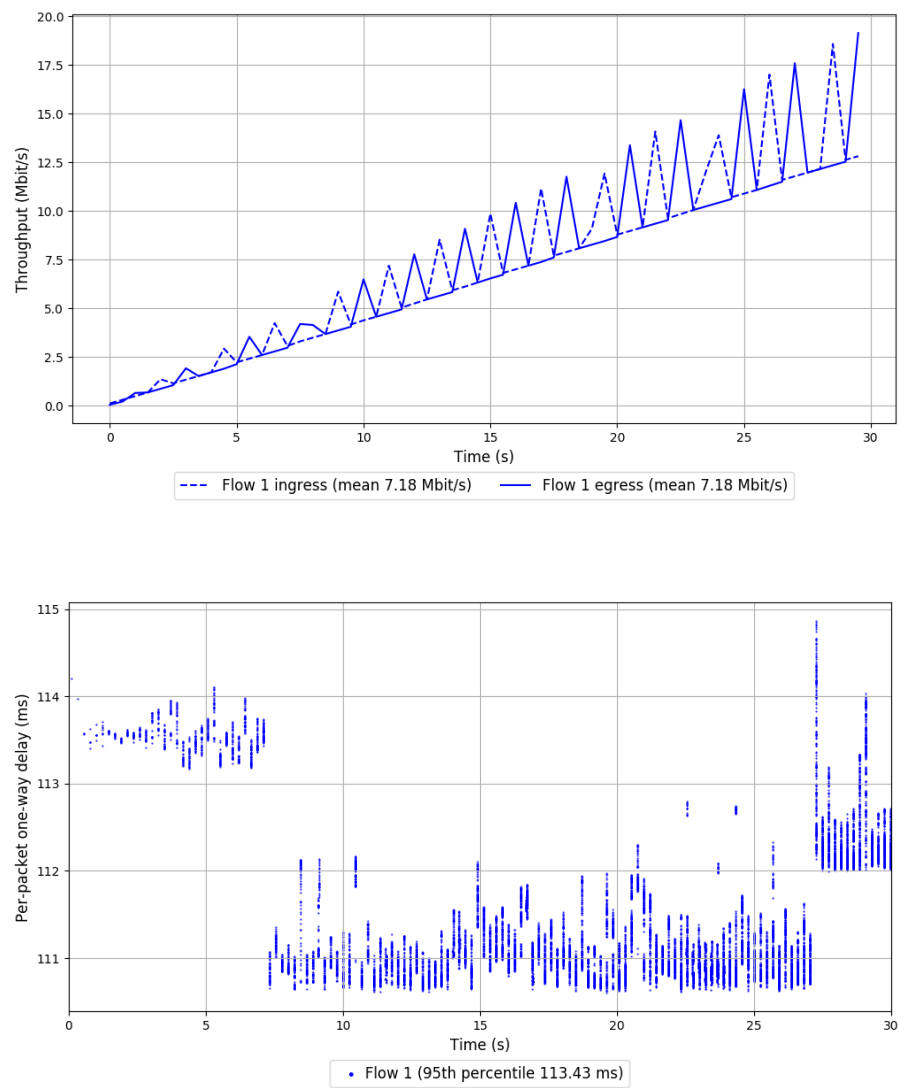
-- Flow 1:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 113.429 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-17 08:46:38

End at: 2018-04-17 08:47:08

Below is generated by plot.py at 2018-04-17 11:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 113.171 ms

Loss rate: 0.00%

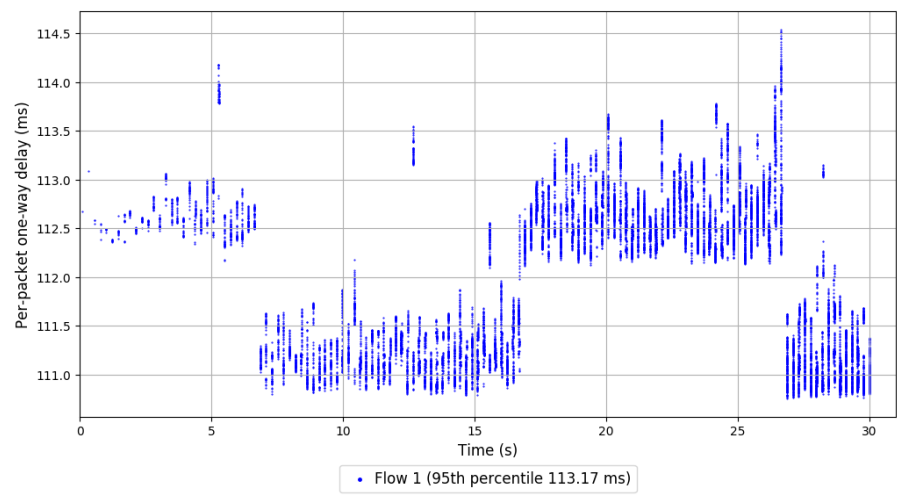
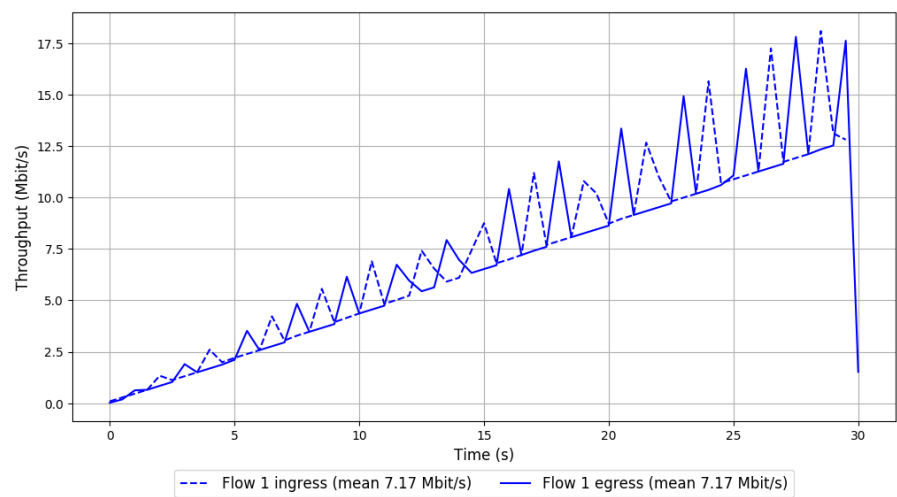
-- Flow 1:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 113.171 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 09:00:31

End at: 2018-04-17 09:01:01

Below is generated by plot.py at 2018-04-17 11:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.65 Mbit/s

95th percentile per-packet one-way delay: 114.306 ms

Loss rate: 0.00%

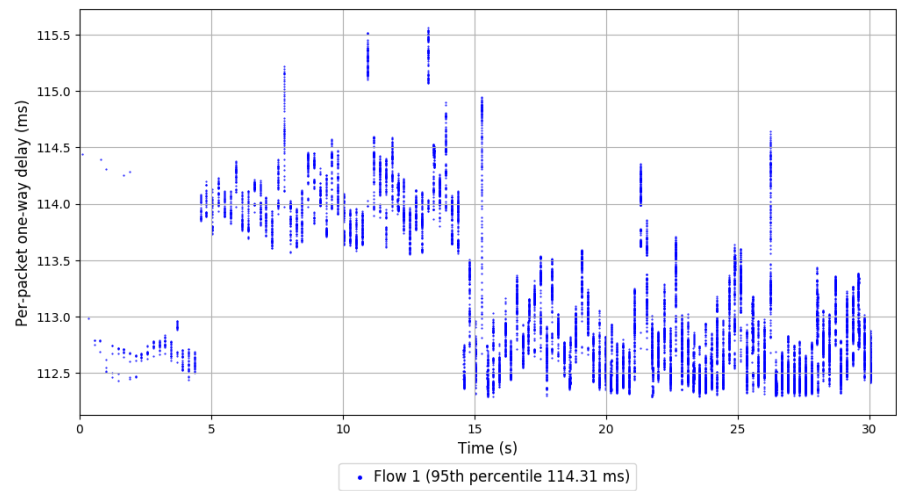
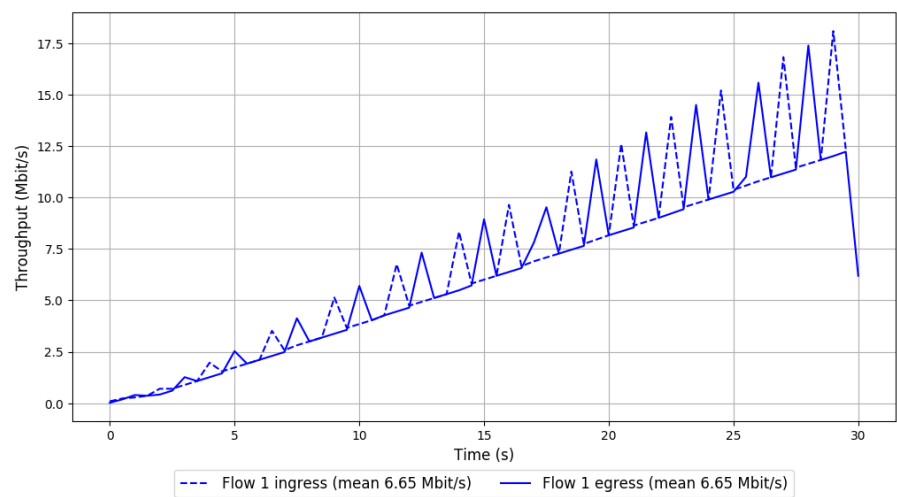
-- Flow 1:

Average throughput: 6.65 Mbit/s

95th percentile per-packet one-way delay: 114.306 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 09:14:32

End at: 2018-04-17 09:15:02

Below is generated by plot.py at 2018-04-17 11:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 114.736 ms

Loss rate: 0.00%

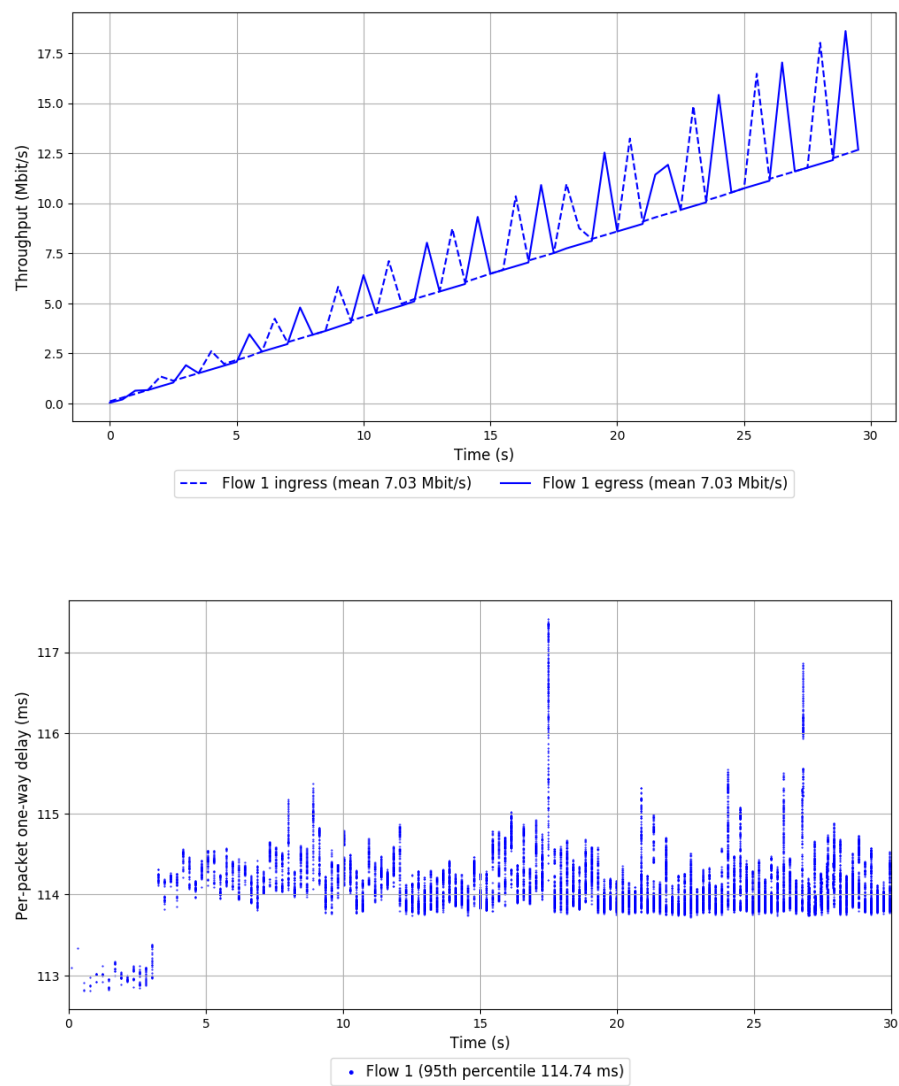
-- Flow 1:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 114.736 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-17 09:28:48

End at: 2018-04-17 09:29:18

Below is generated by plot.py at 2018-04-17 11:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 114.827 ms

Loss rate: 0.00%

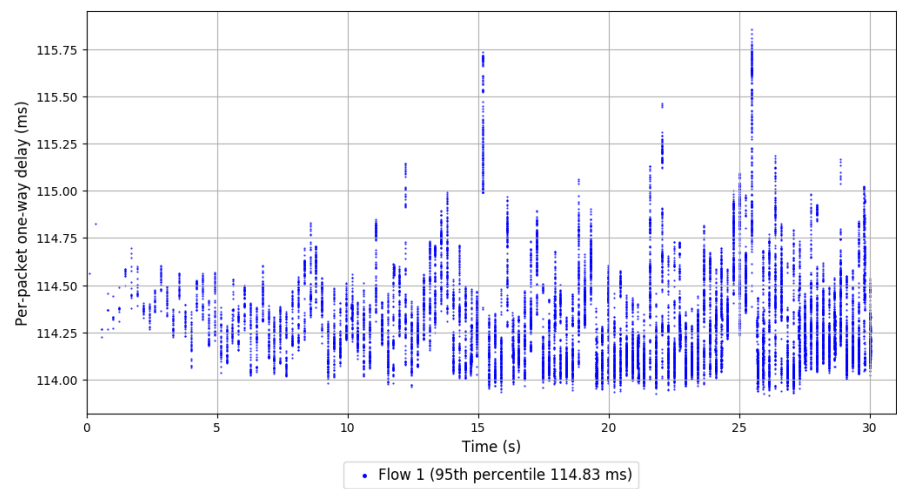
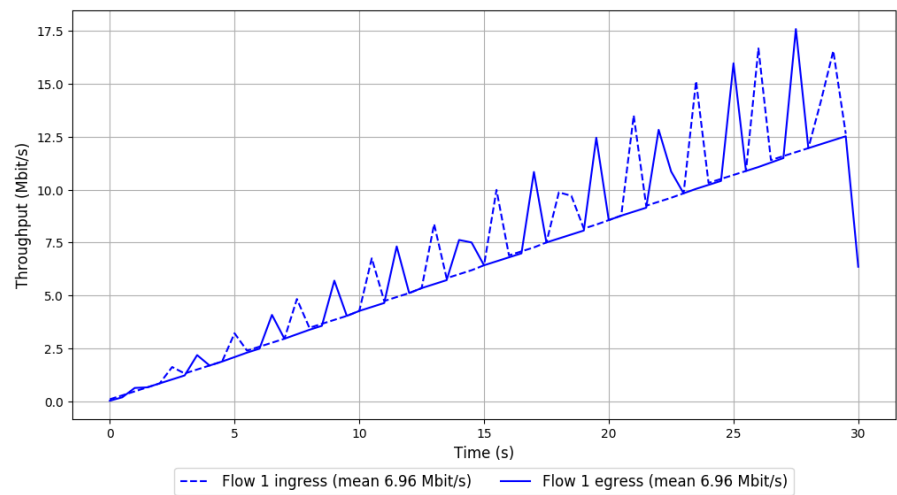
-- Flow 1:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 114.827 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-17 09:43:07

End at: 2018-04-17 09:43:37

Below is generated by plot.py at 2018-04-17 11:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 113.998 ms

Loss rate: 0.00%

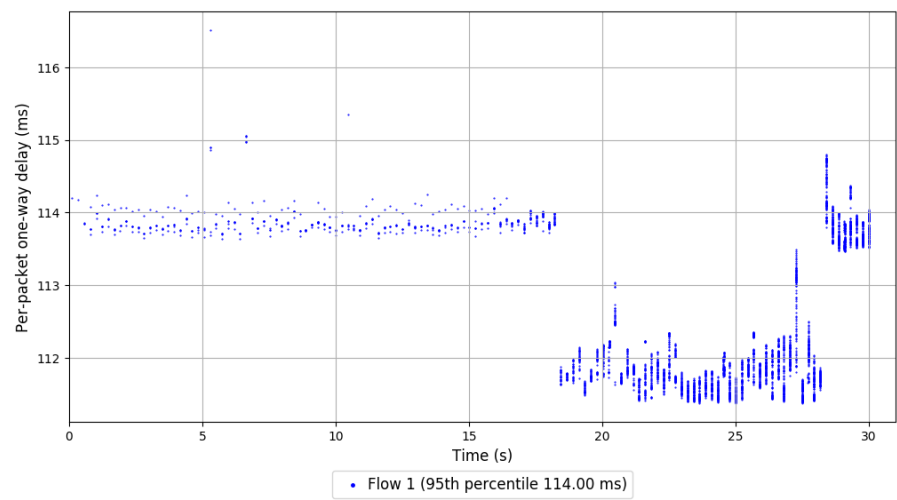
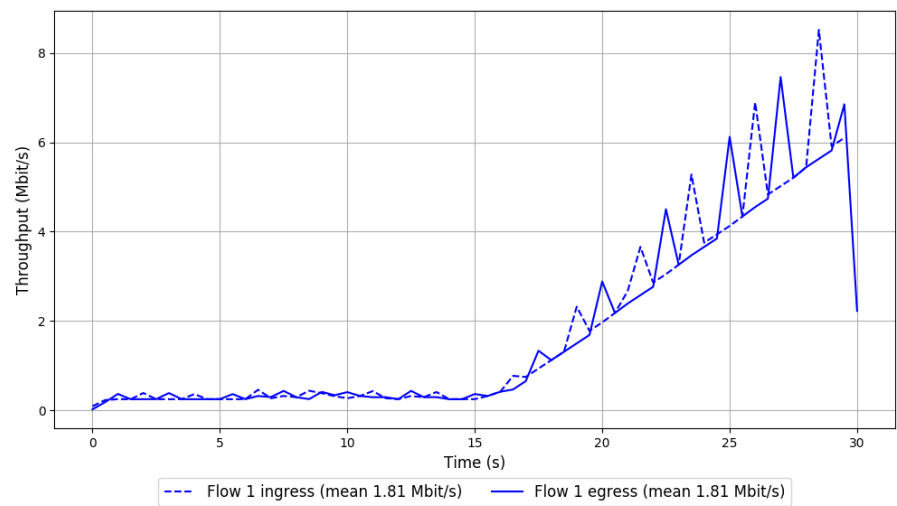
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 113.998 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-17 09:57:10

End at: 2018-04-17 09:57:40

Below is generated by plot.py at 2018-04-17 11:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 114.245 ms

Loss rate: 0.00%

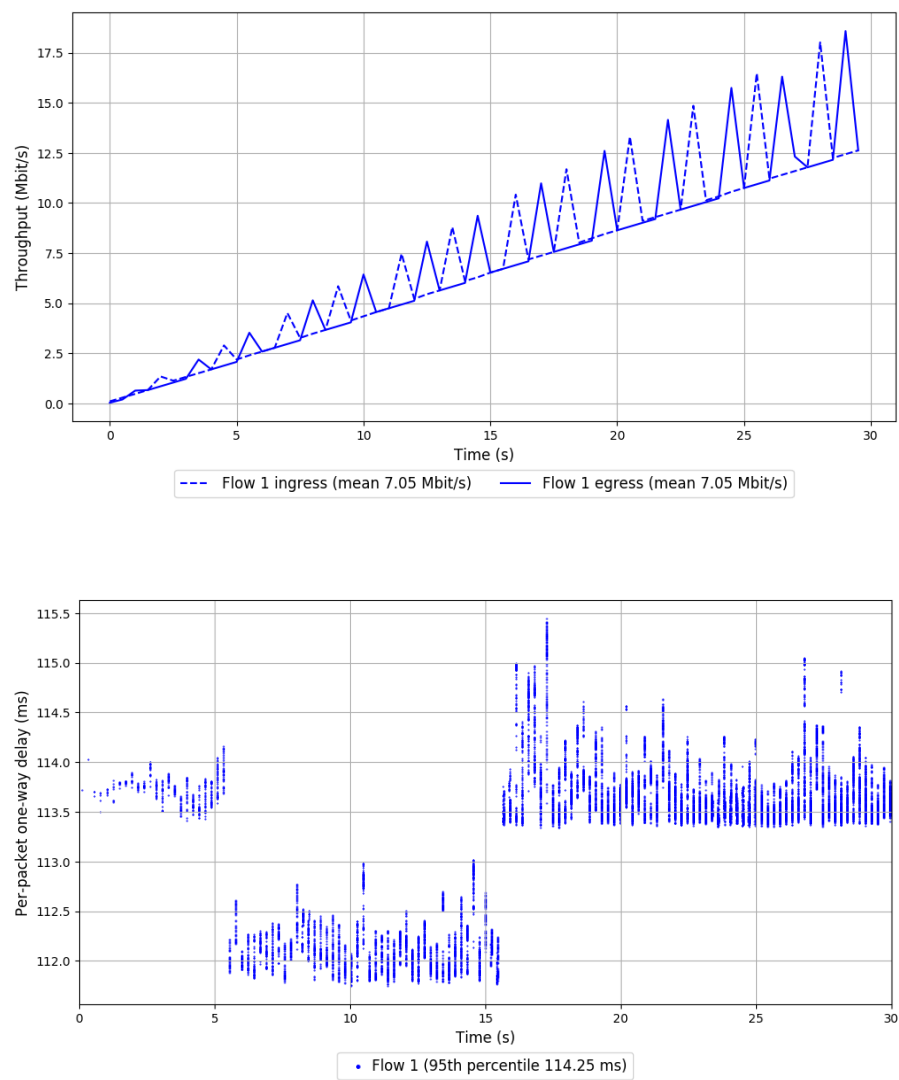
-- Flow 1:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 114.245 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 10:11:29

End at: 2018-04-17 10:11:59

Below is generated by plot.py at 2018-04-17 11:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 112.740 ms

Loss rate: 0.00%

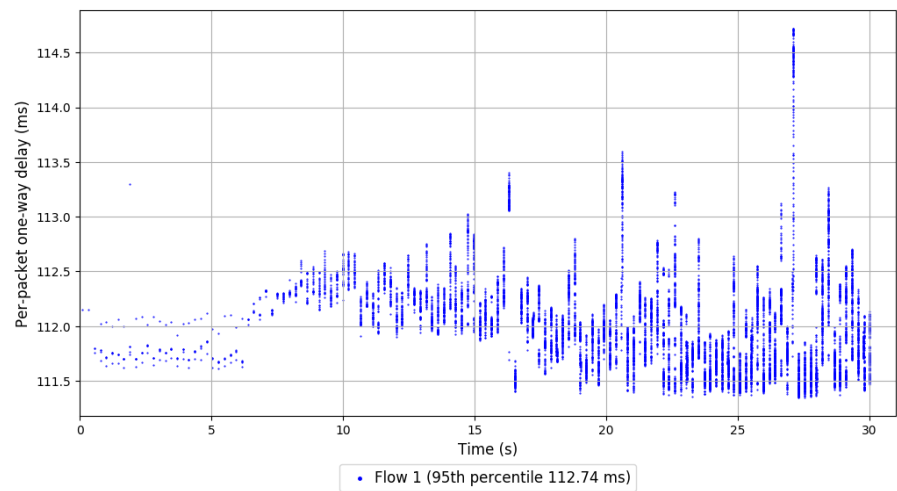
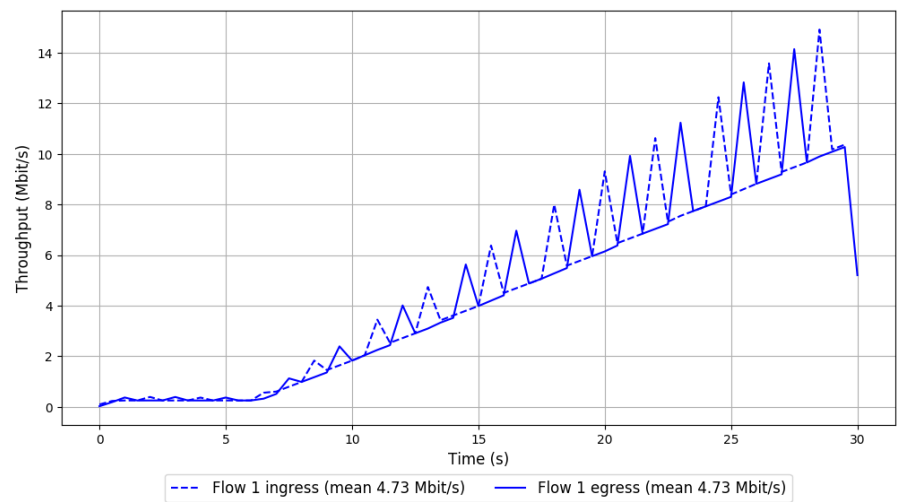
-- Flow 1:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 112.740 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

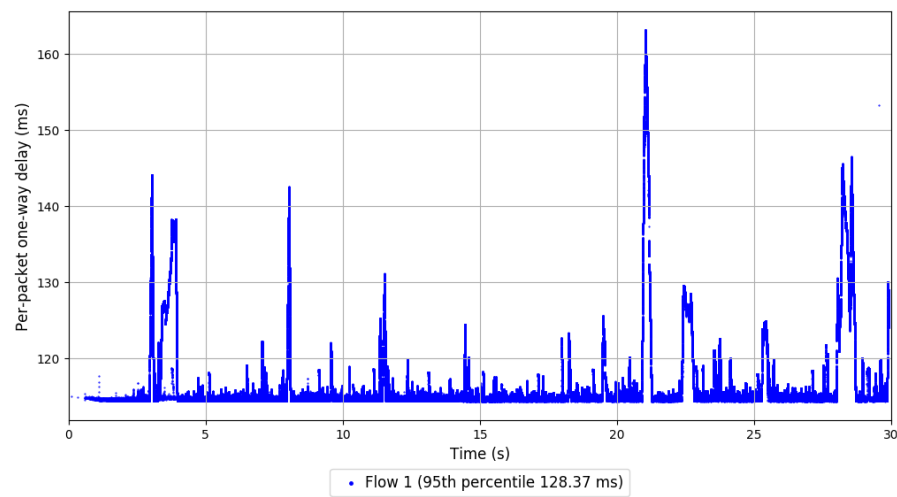
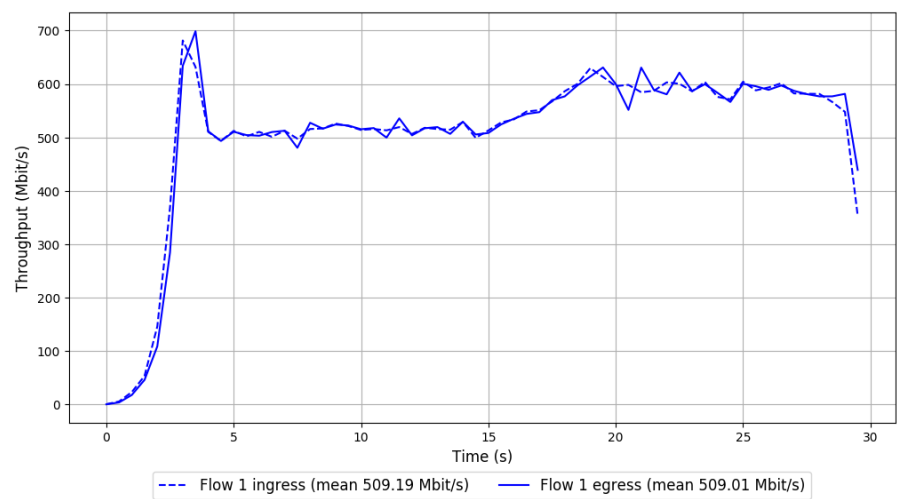


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 08:05:00
End at: 2018-04-17 08:05:31

# Below is generated by plot.py at 2018-04-17 11:26:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 509.01 Mbit/s
95th percentile per-packet one-way delay: 128.369 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 509.01 Mbit/s
95th percentile per-packet one-way delay: 128.369 ms
Loss rate: 0.04%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

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

End at: 2018-04-17 08:19:38

Below is generated by plot.py at 2018-04-17 11:27:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.72 Mbit/s

95th percentile per-packet one-way delay: 179.514 ms

Loss rate: 0.98%

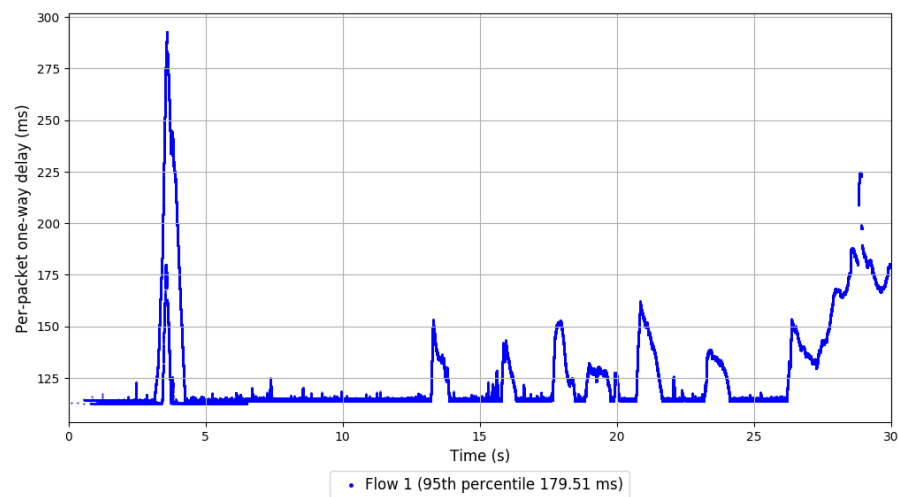
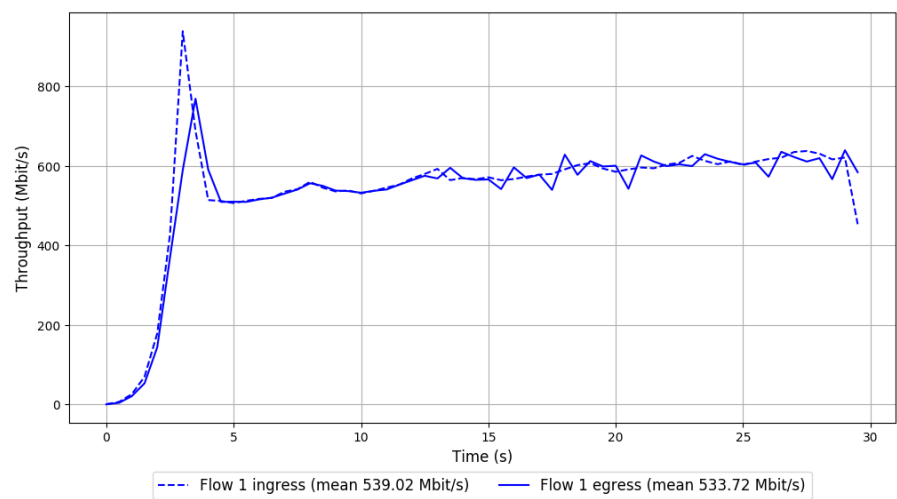
-- Flow 1:

Average throughput: 533.72 Mbit/s

95th percentile per-packet one-way delay: 179.514 ms

Loss rate: 0.98%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 08:33:10

End at: 2018-04-17 08:33:40

Below is generated by plot.py at 2018-04-17 11:27:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 546.09 Mbit/s

95th percentile per-packet one-way delay: 167.491 ms

Loss rate: 0.32%

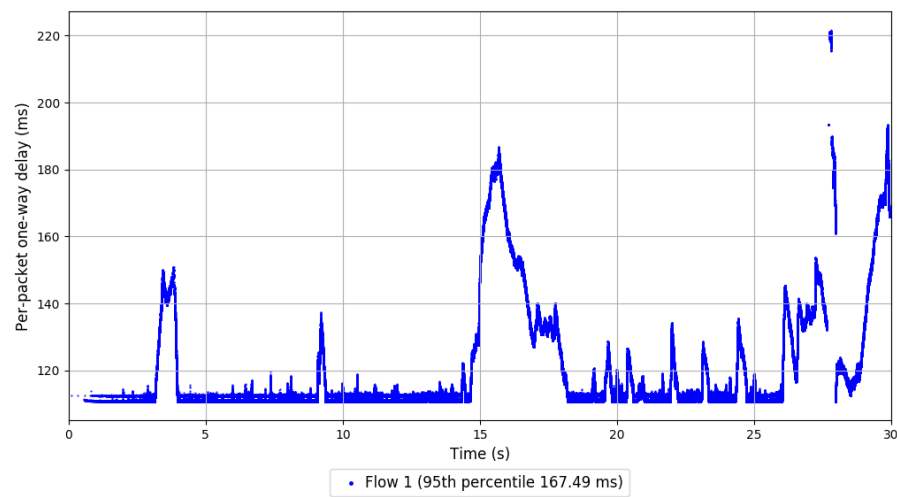
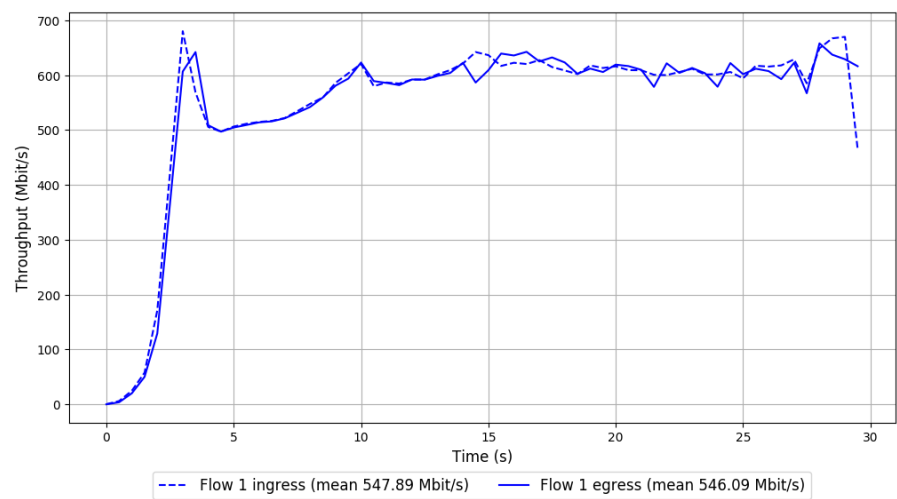
-- Flow 1:

Average throughput: 546.09 Mbit/s

95th percentile per-packet one-way delay: 167.491 ms

Loss rate: 0.32%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 08:47:20

End at: 2018-04-17 08:47:50

Below is generated by plot.py at 2018-04-17 11:27:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.51 Mbit/s

95th percentile per-packet one-way delay: 143.821 ms

Loss rate: 0.48%

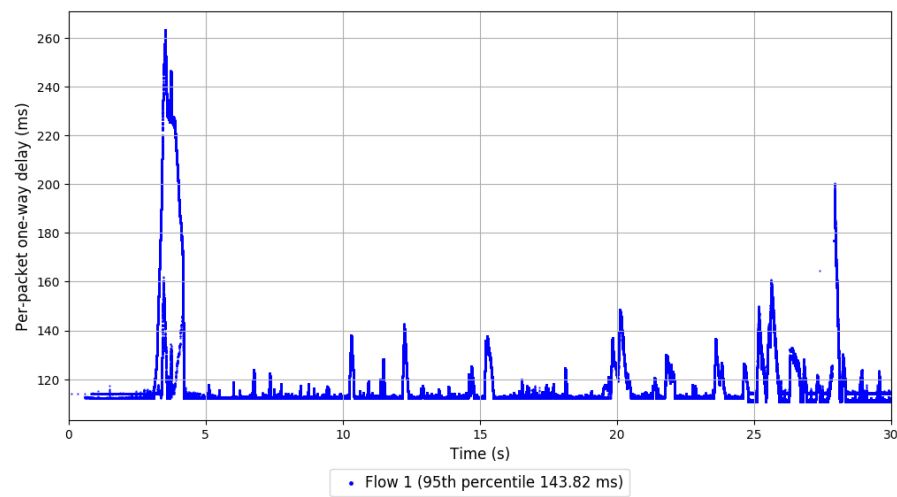
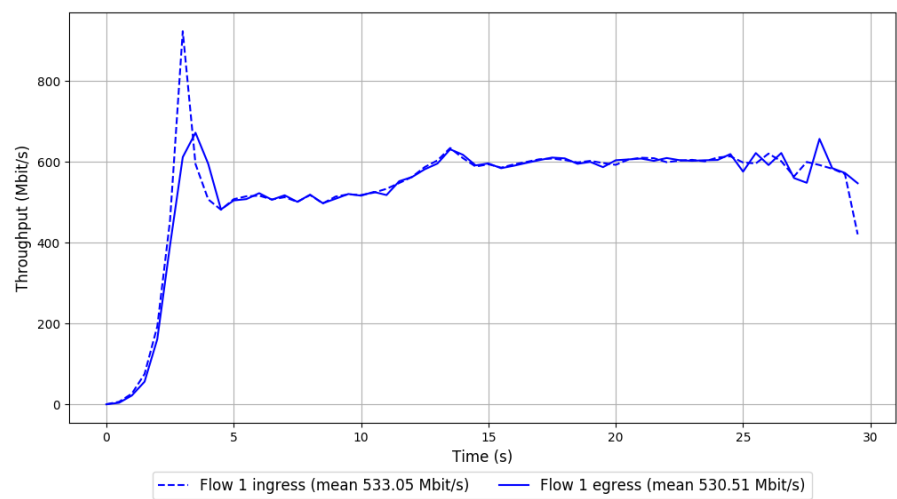
-- Flow 1:

Average throughput: 530.51 Mbit/s

95th percentile per-packet one-way delay: 143.821 ms

Loss rate: 0.48%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 09:01:12

End at: 2018-04-17 09:01:42

Below is generated by plot.py at 2018-04-17 11:27:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.93 Mbit/s

95th percentile per-packet one-way delay: 177.149 ms

Loss rate: 0.07%

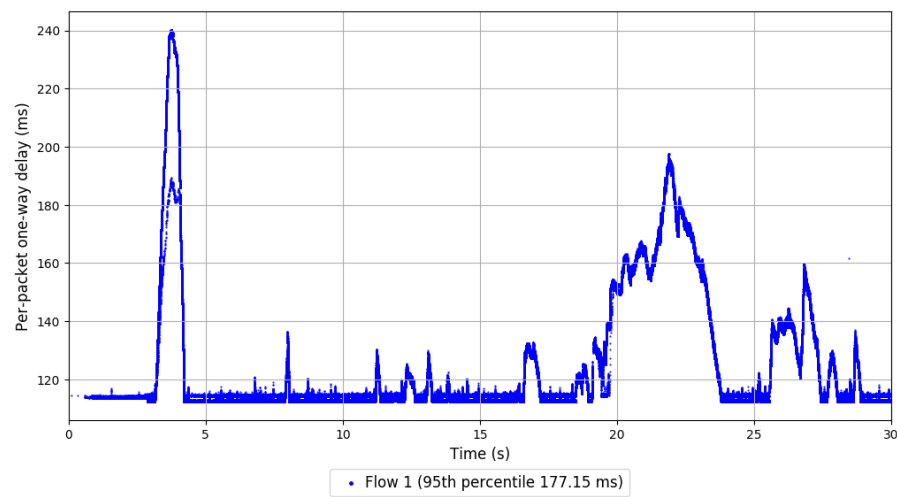
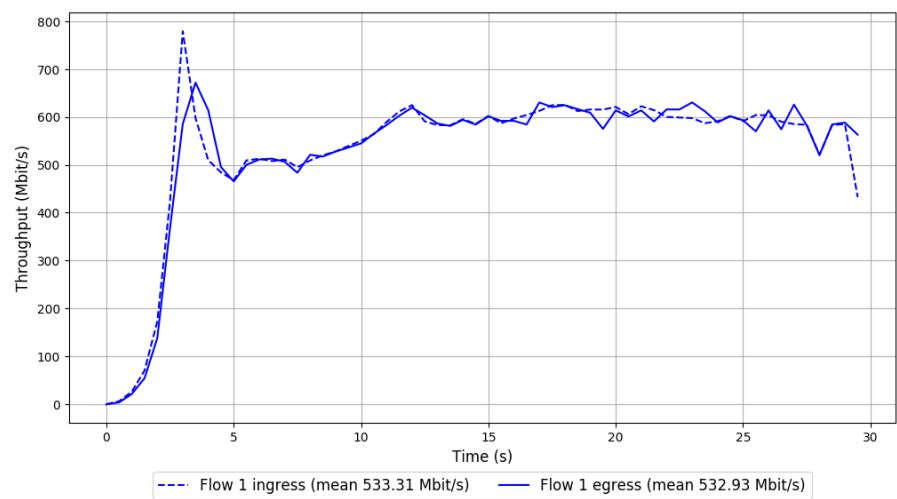
-- Flow 1:

Average throughput: 532.93 Mbit/s

95th percentile per-packet one-way delay: 177.149 ms

Loss rate: 0.07%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 09:15:14

End at: 2018-04-17 09:15:44

Below is generated by plot.py at 2018-04-17 11:27:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.87 Mbit/s

95th percentile per-packet one-way delay: 158.095 ms

Loss rate: 0.19%

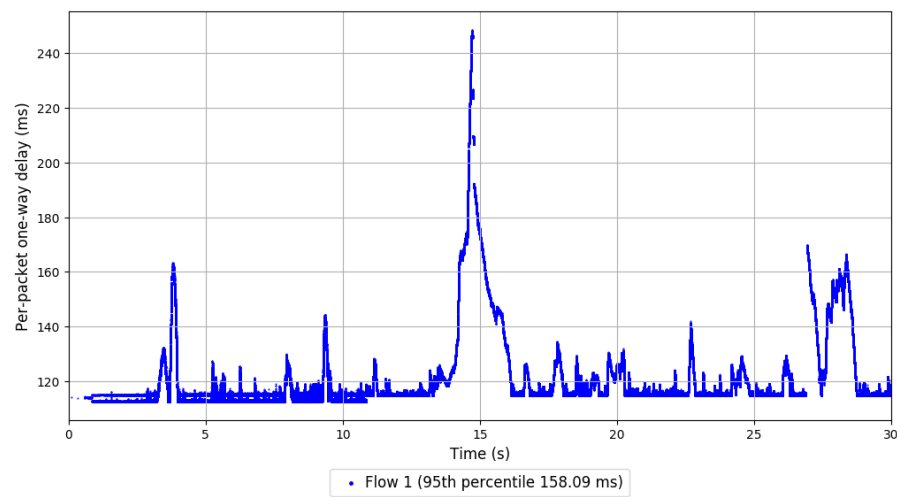
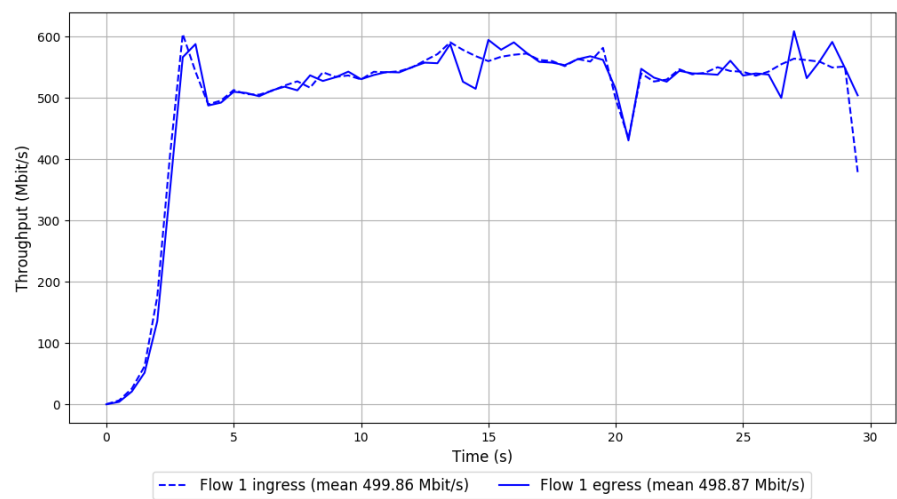
-- Flow 1:

Average throughput: 498.87 Mbit/s

95th percentile per-packet one-way delay: 158.095 ms

Loss rate: 0.19%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 09:29:29

End at: 2018-04-17 09:30:00

Below is generated by plot.py at 2018-04-17 11:27:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.53 Mbit/s

95th percentile per-packet one-way delay: 185.572 ms

Loss rate: 0.48%

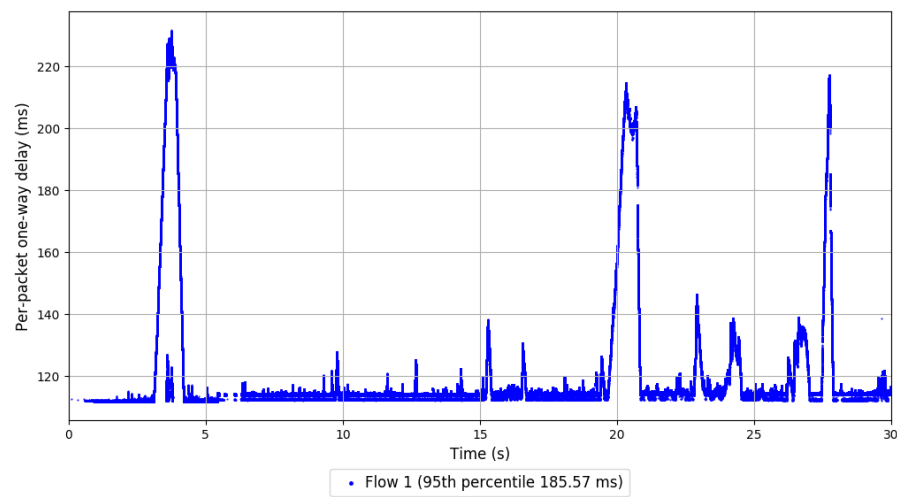
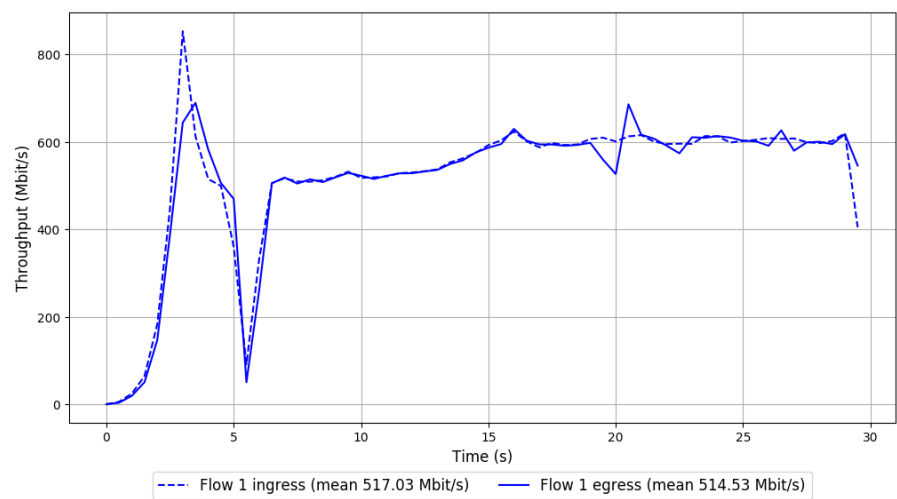
-- Flow 1:

Average throughput: 514.53 Mbit/s

95th percentile per-packet one-way delay: 185.572 ms

Loss rate: 0.48%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 09:43:48

End at: 2018-04-17 09:44:18

Below is generated by plot.py at 2018-04-17 11:27:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.89 Mbit/s

95th percentile per-packet one-way delay: 161.648 ms

Loss rate: 0.07%

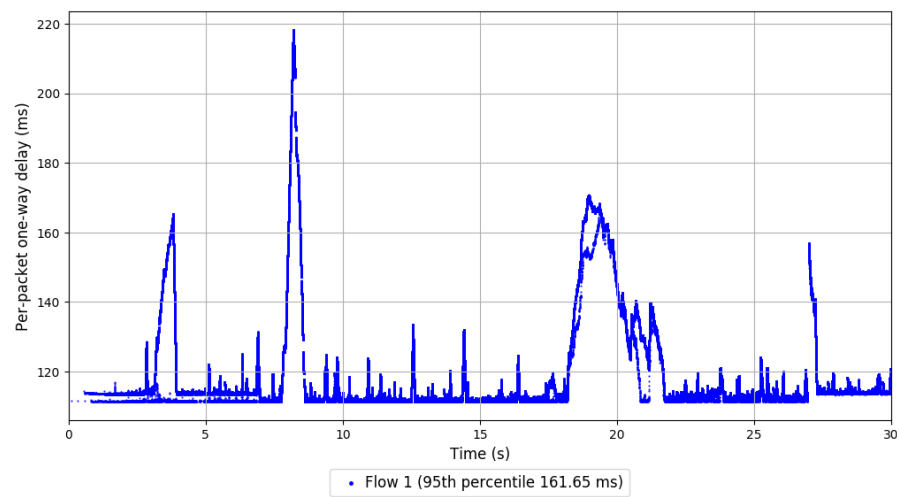
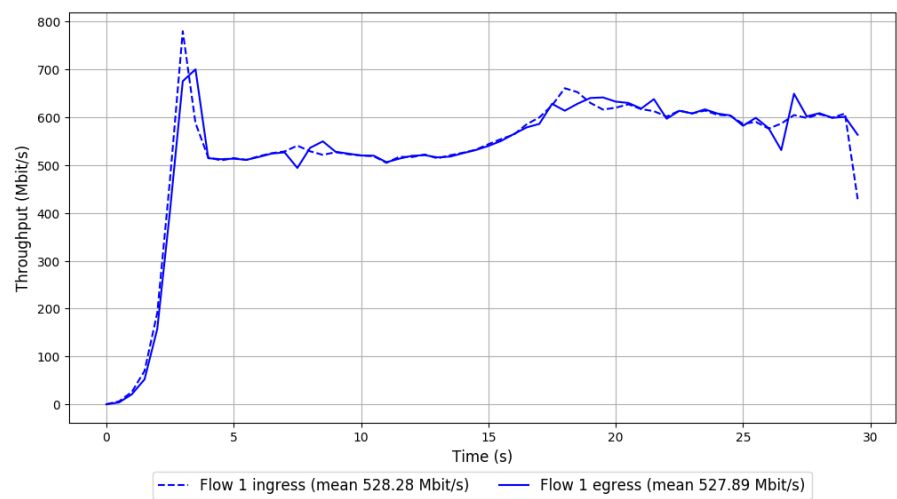
-- Flow 1:

Average throughput: 527.89 Mbit/s

95th percentile per-packet one-way delay: 161.648 ms

Loss rate: 0.07%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 09:57:52

End at: 2018-04-17 09:58:22

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 546.98 Mbit/s

95th percentile per-packet one-way delay: 192.694 ms

Loss rate: 1.05%

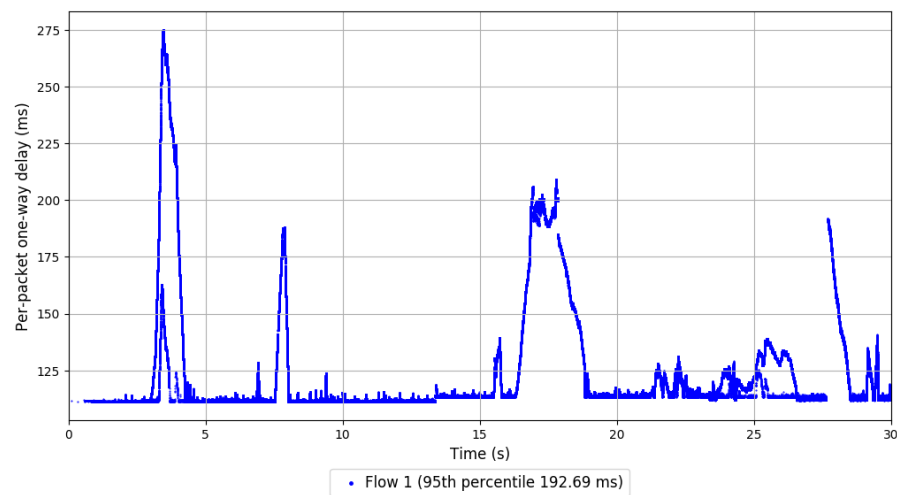
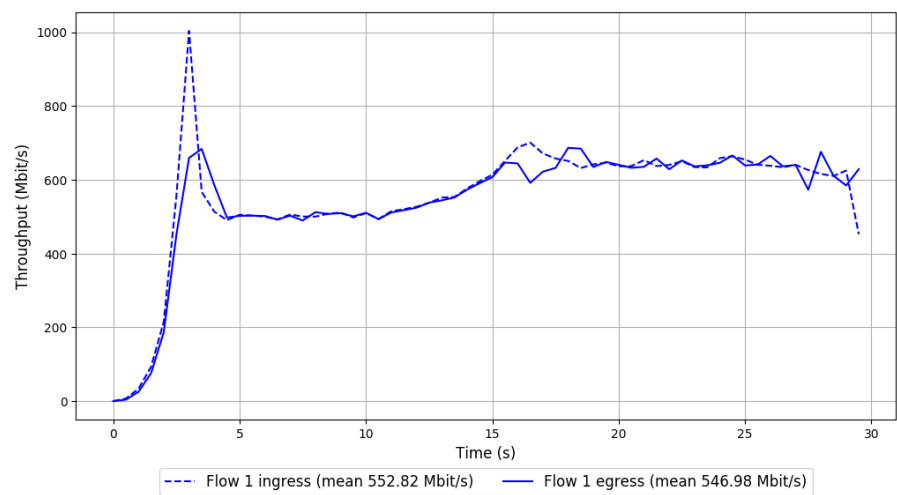
-- Flow 1:

Average throughput: 546.98 Mbit/s

95th percentile per-packet one-way delay: 192.694 ms

Loss rate: 1.05%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 10:12:10

End at: 2018-04-17 10:12:40

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 512.65 Mbit/s

95th percentile per-packet one-way delay: 158.854 ms

Loss rate: 1.26%

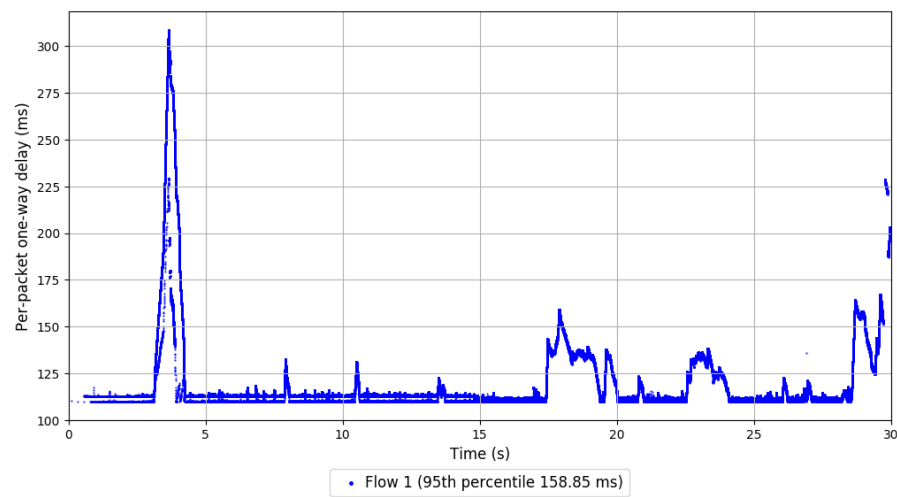
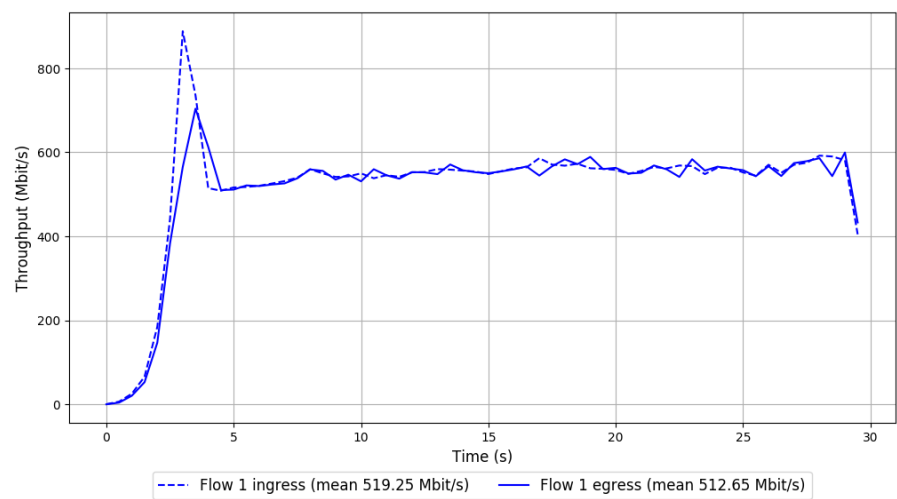
-- Flow 1:

Average throughput: 512.65 Mbit/s

95th percentile per-packet one-way delay: 158.854 ms

Loss rate: 1.26%

Run 10: Report of PCC-Allegro — Data Link

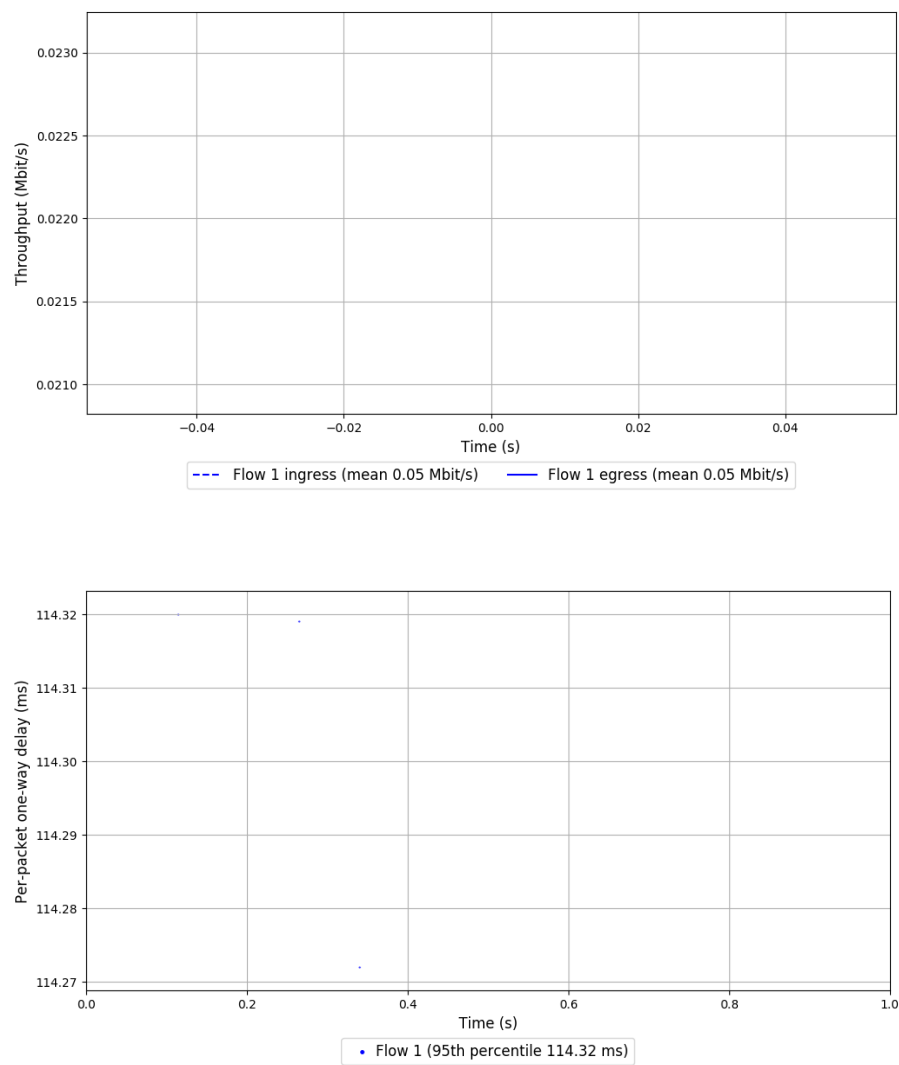


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 07:52:56

End at: 2018-04-17 07:53:26

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 08:06:54

End at: 2018-04-17 08:07:24

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 115.397 ms

Loss rate: 0.00%

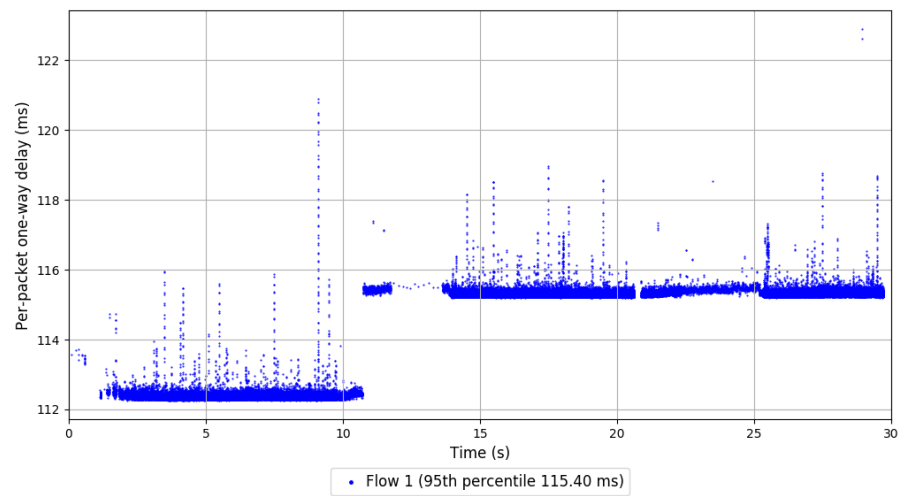
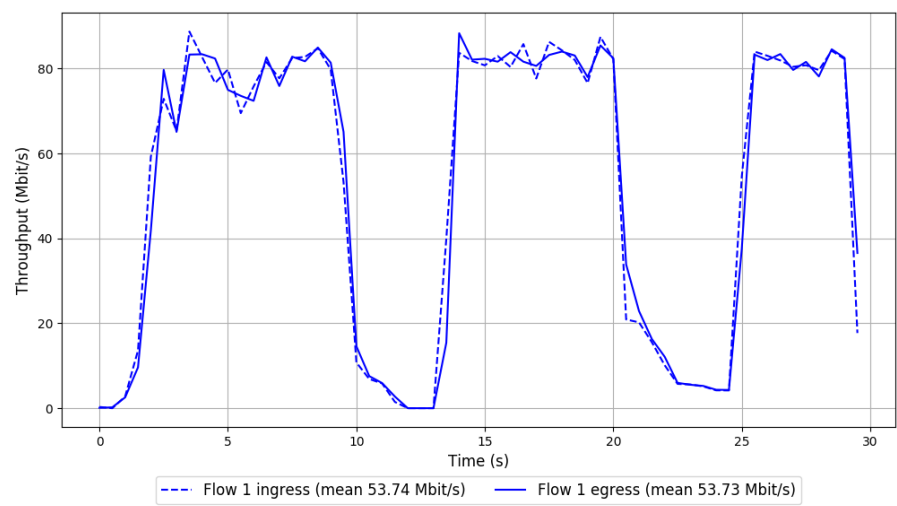
-- Flow 1:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 115.397 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 08:21:03

End at: 2018-04-17 08:21:33

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.36 Mbit/s

95th percentile per-packet one-way delay: 113.894 ms

Loss rate: 0.00%

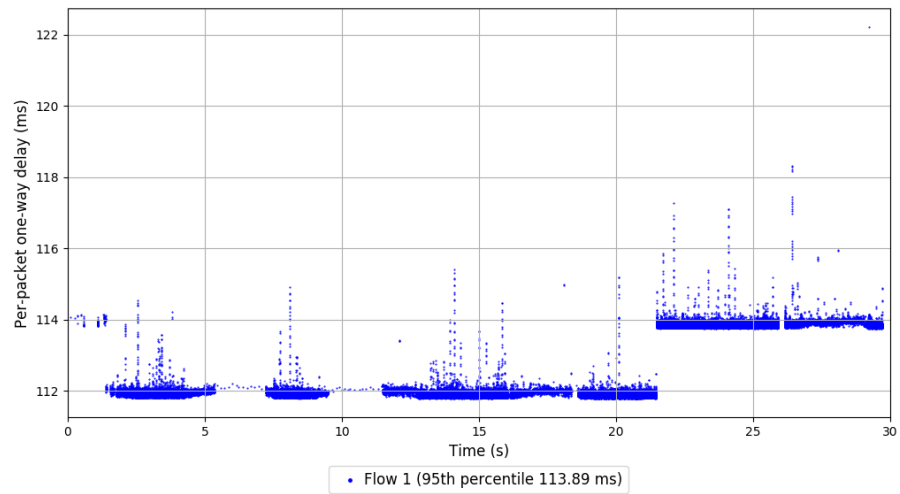
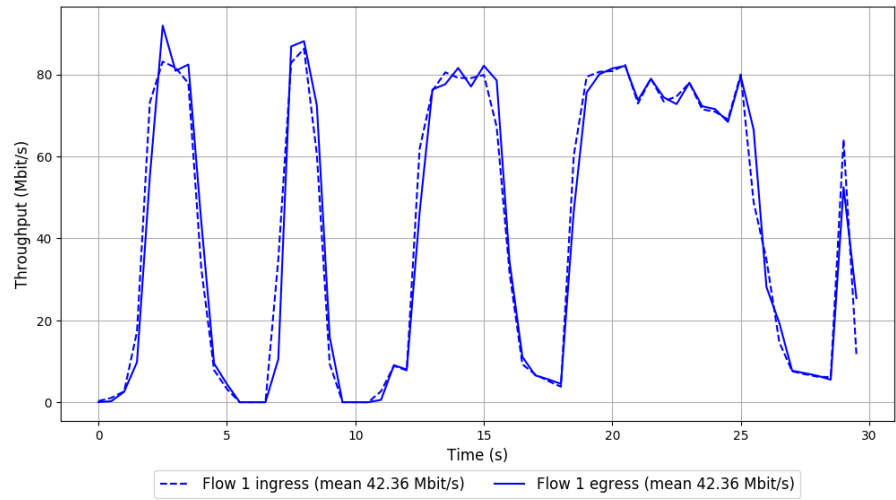
-- Flow 1:

Average throughput: 42.36 Mbit/s

95th percentile per-packet one-way delay: 113.894 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 08:35:05

End at: 2018-04-17 08:35:35

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.43 Mbit/s

95th percentile per-packet one-way delay: 112.187 ms

Loss rate: 0.00%

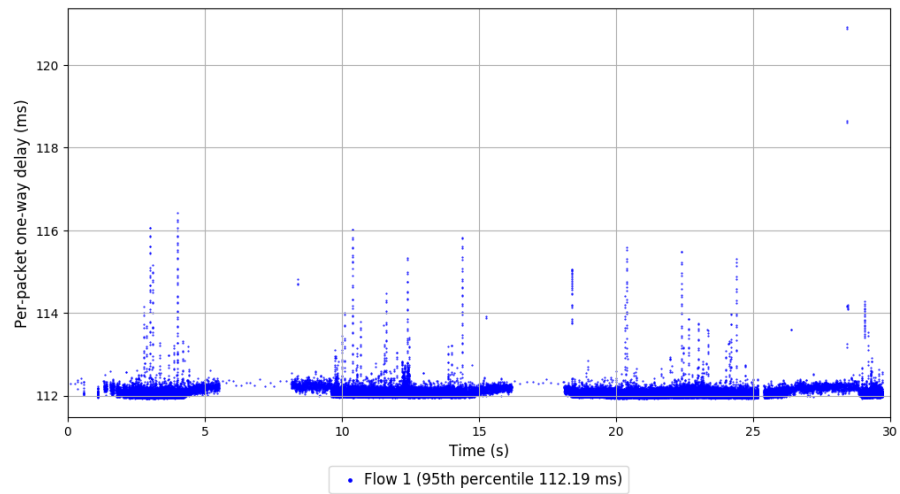
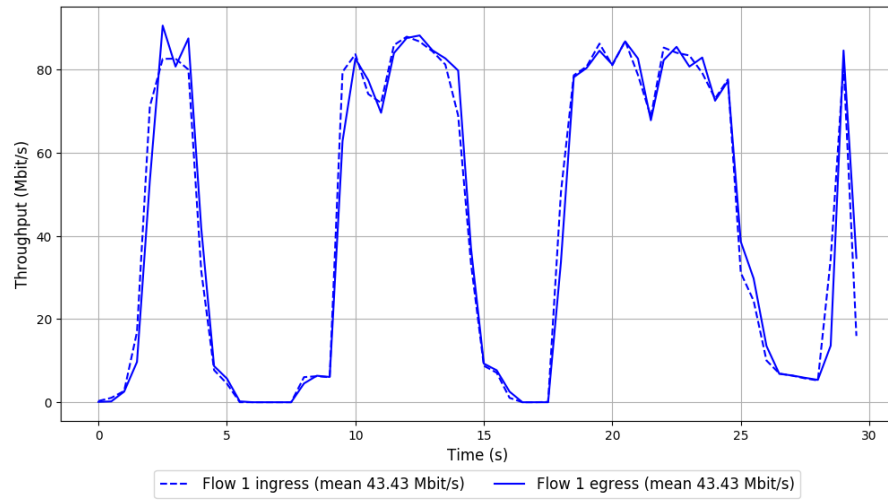
-- Flow 1:

Average throughput: 43.43 Mbit/s

95th percentile per-packet one-way delay: 112.187 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

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

End at: 2018-04-17 08:49:44

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.31 Mbit/s

95th percentile per-packet one-way delay: 112.358 ms

Loss rate: 0.00%

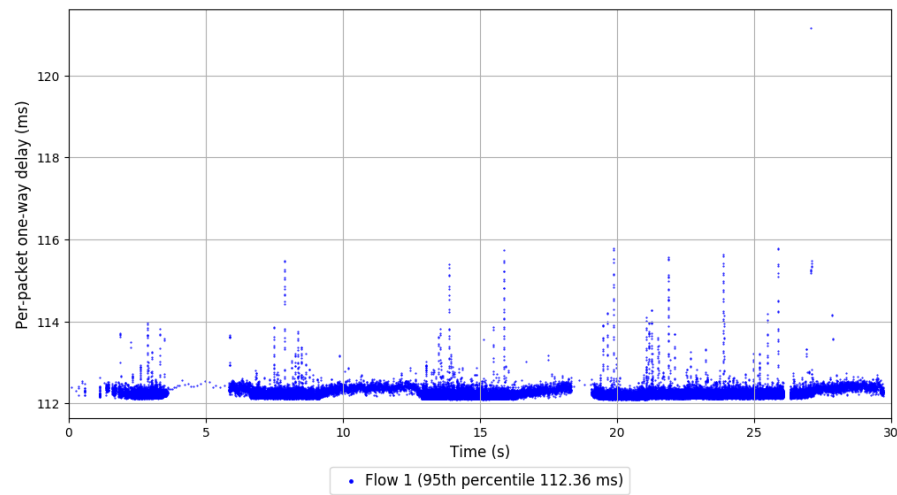
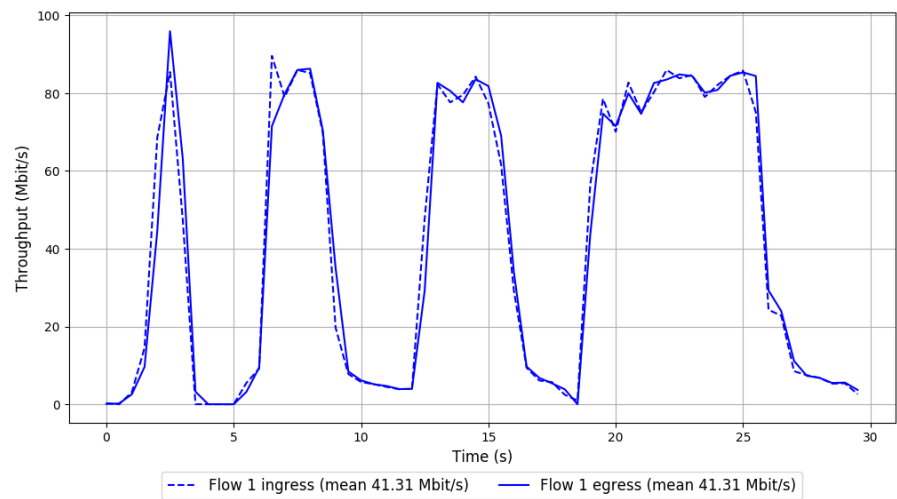
-- Flow 1:

Average throughput: 41.31 Mbit/s

95th percentile per-packet one-way delay: 112.358 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 09:03:07

End at: 2018-04-17 09:03:37

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 112.925 ms

Loss rate: 0.00%

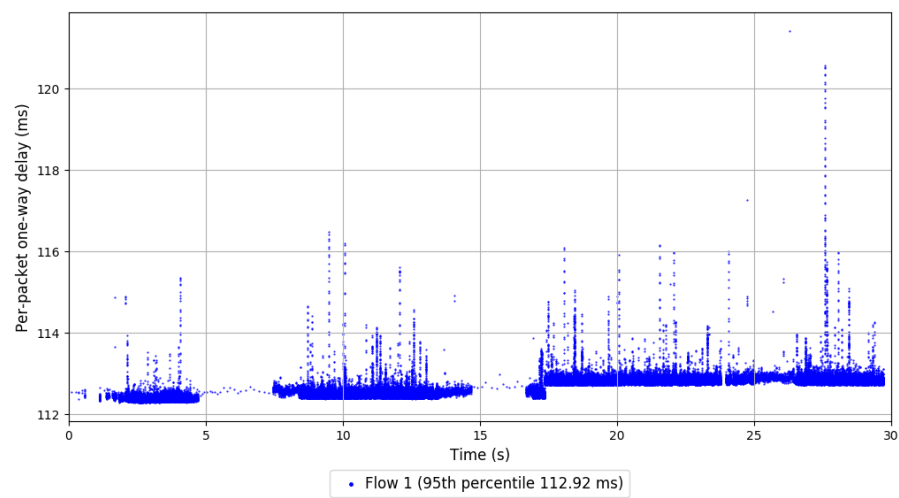
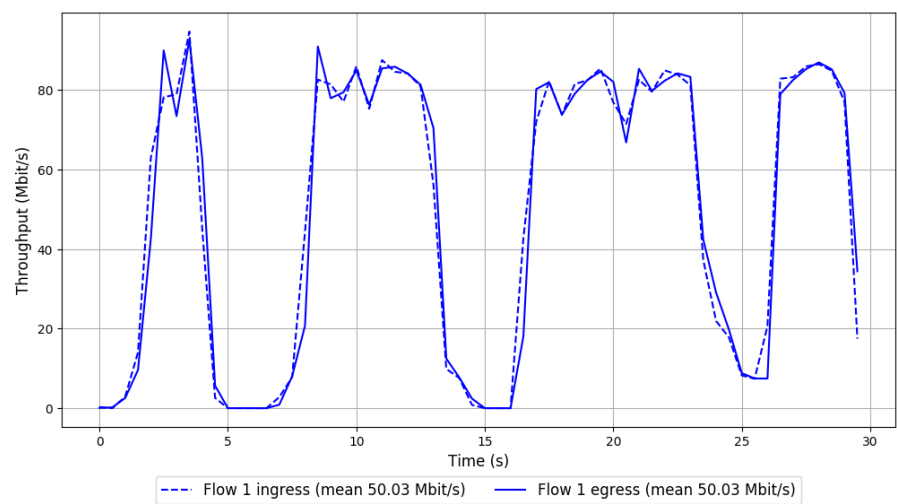
-- Flow 1:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 112.925 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

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

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

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.60 Mbit/s

95th percentile per-packet one-way delay: 114.937 ms

Loss rate: 0.00%

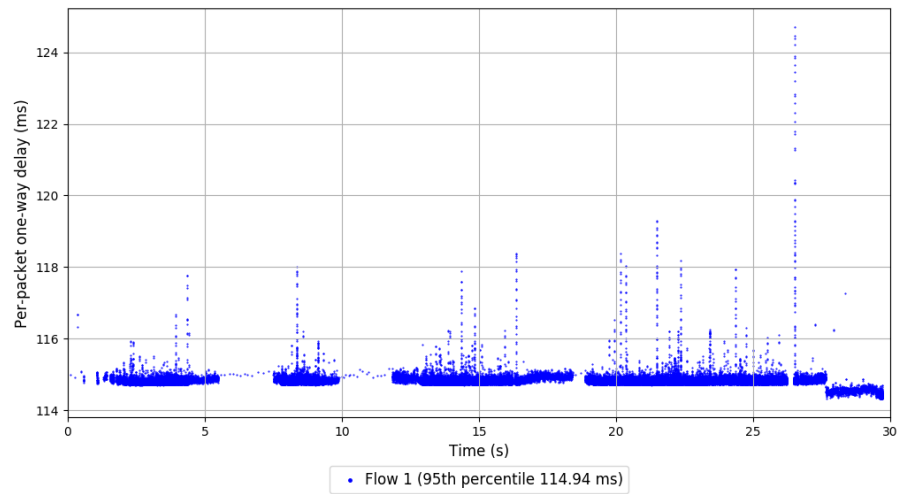
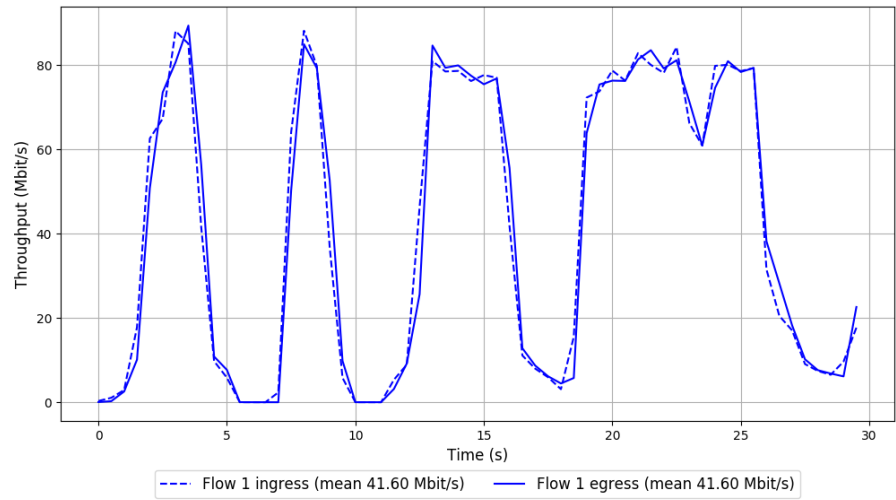
-- Flow 1:

Average throughput: 41.60 Mbit/s

95th percentile per-packet one-way delay: 114.937 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 09:31:24

End at: 2018-04-17 09:31:54

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.28 Mbit/s

95th percentile per-packet one-way delay: 113.653 ms

Loss rate: 0.01%

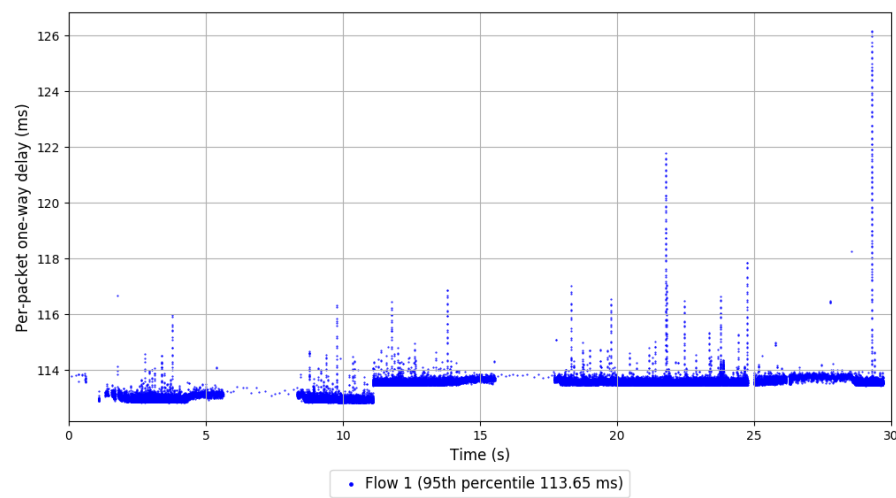
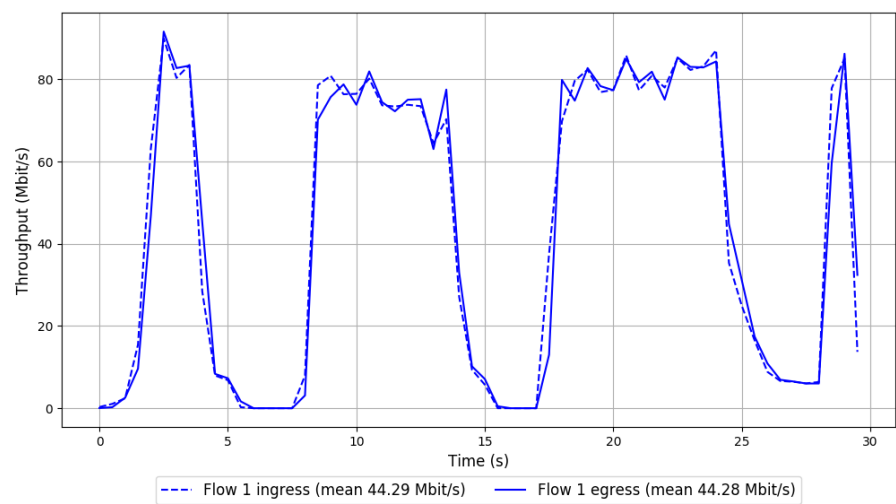
-- Flow 1:

Average throughput: 44.28 Mbit/s

95th percentile per-packet one-way delay: 113.653 ms

Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 09:45:41

End at: 2018-04-17 09:46:11

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.43 Mbit/s

95th percentile per-packet one-way delay: 113.793 ms

Loss rate: 0.00%

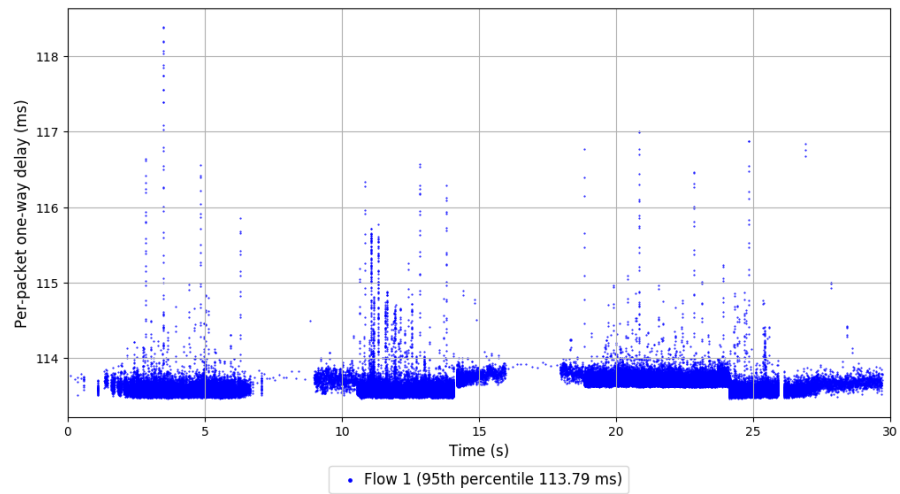
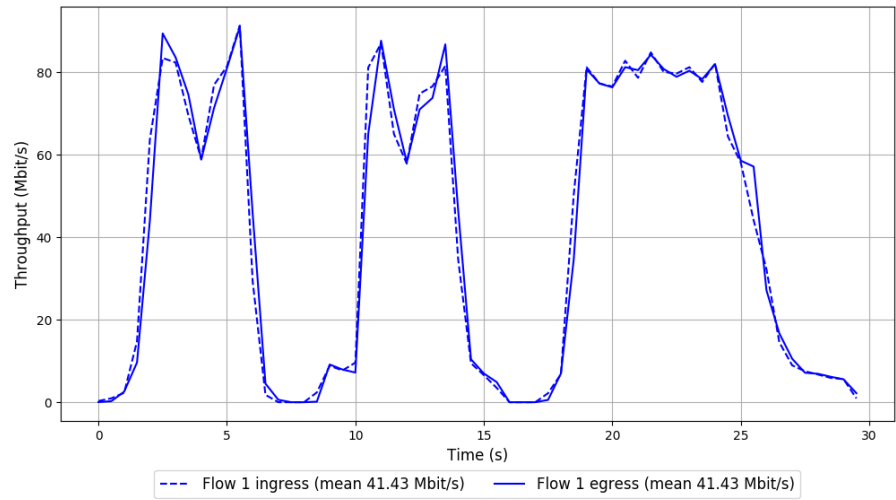
-- Flow 1:

Average throughput: 41.43 Mbit/s

95th percentile per-packet one-way delay: 113.793 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 09:59:47

End at: 2018-04-17 10:00:17

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.35 Mbit/s

95th percentile per-packet one-way delay: 112.669 ms

Loss rate: 0.00%

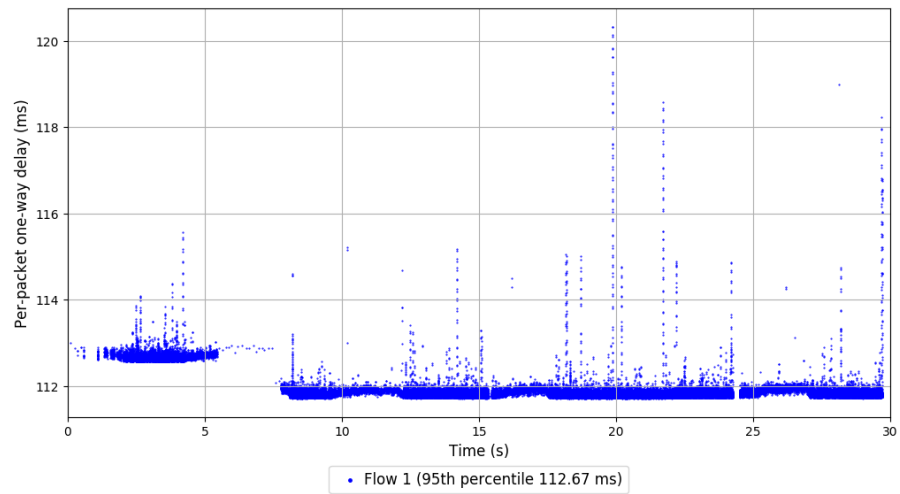
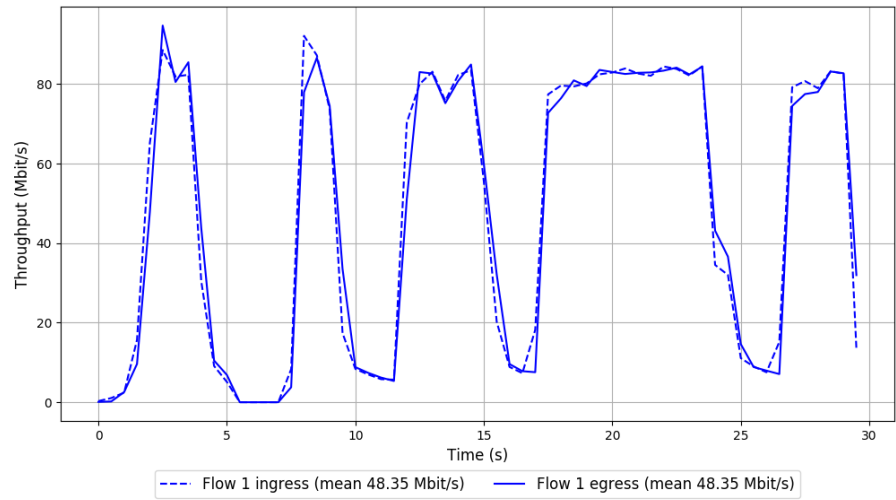
-- Flow 1:

Average throughput: 48.35 Mbit/s

95th percentile per-packet one-way delay: 112.669 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

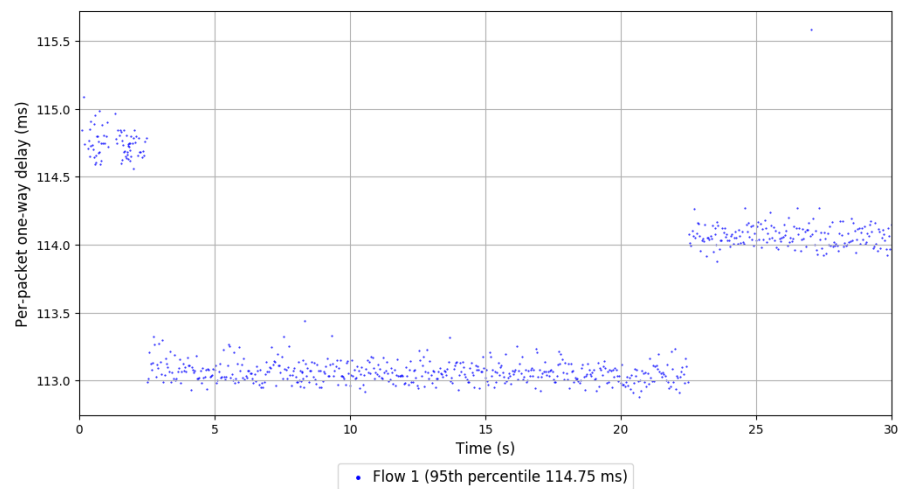
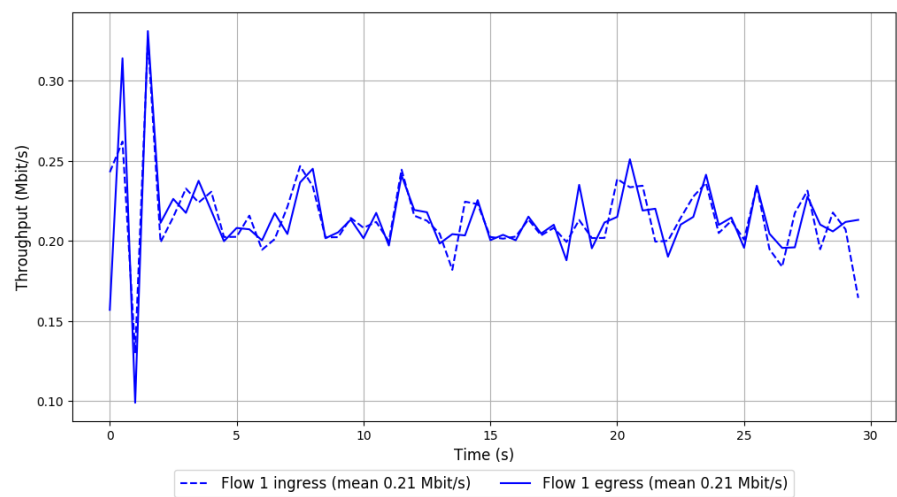


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 07:55:12
End at: 2018-04-17 07:55:42

# Below is generated by plot.py at 2018-04-17 11:36:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.745 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

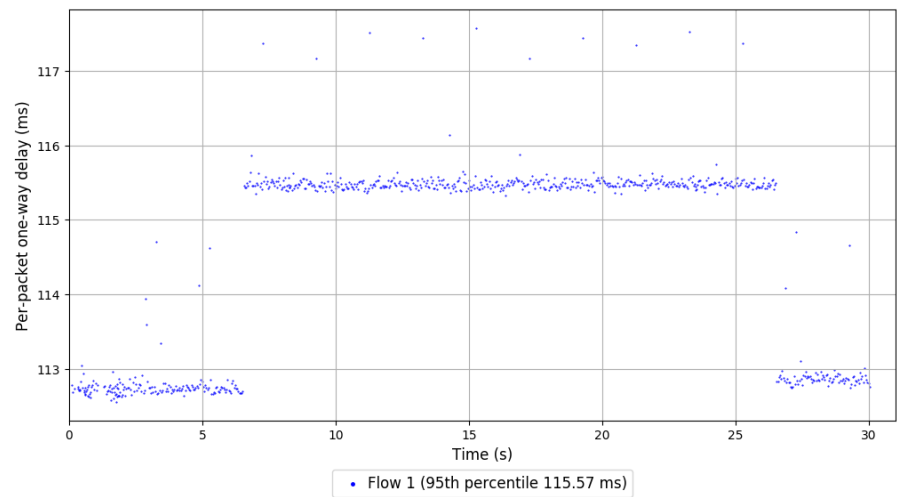
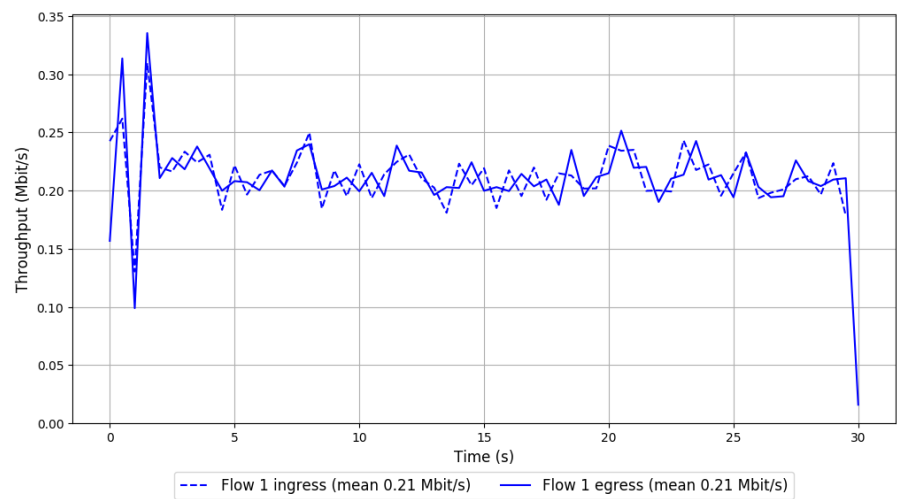


```
Run 2: Statistics of SCReAM

Start at: 2018-04-17 08:09:18
End at: 2018-04-17 08:09:48

# Below is generated by plot.py at 2018-04-17 11:36:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 115.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 115.571 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-17 08:23:26

End at: 2018-04-17 08:23:56

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.522 ms

Loss rate: 0.00%

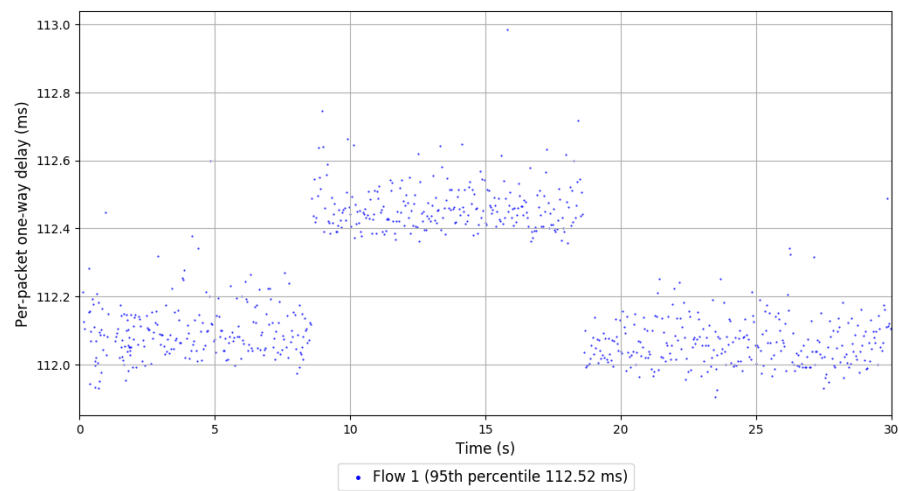
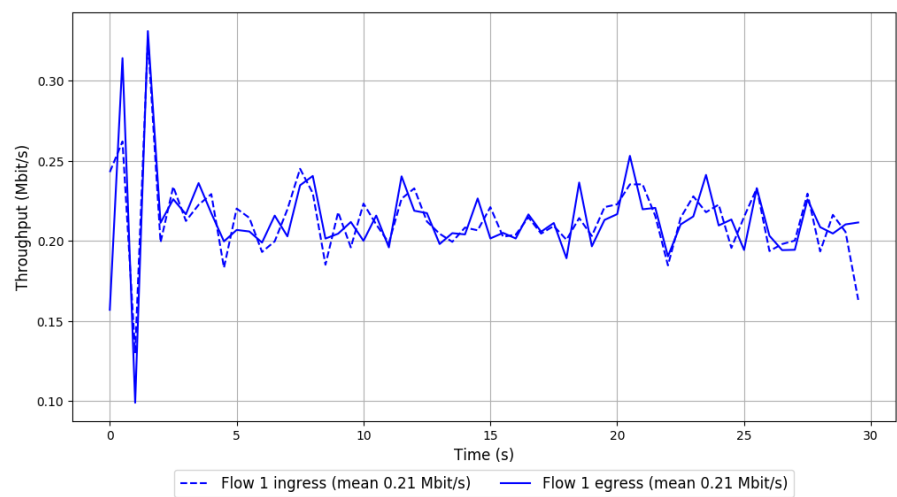
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.522 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-17 08:37:32

End at: 2018-04-17 08:38:02

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 114.252 ms

Loss rate: 0.00%

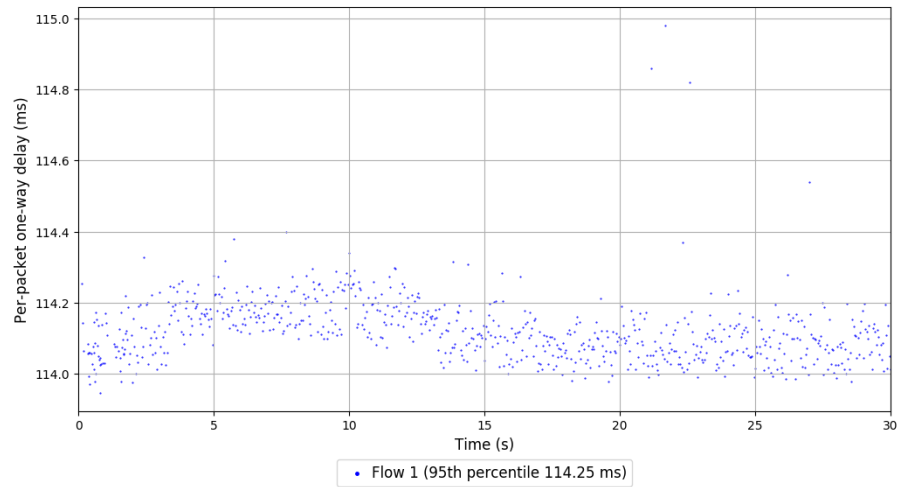
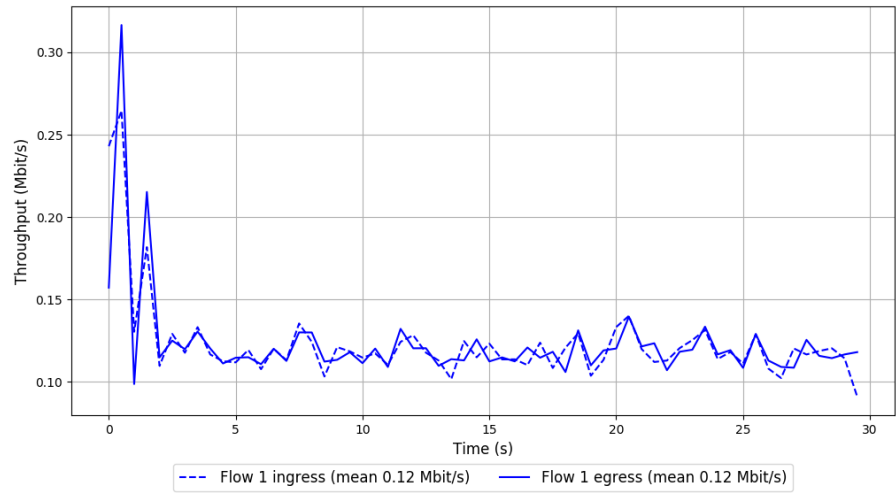
-- Flow 1:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 114.252 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 08:51:30

End at: 2018-04-17 08:52:00

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.616 ms

Loss rate: 0.00%

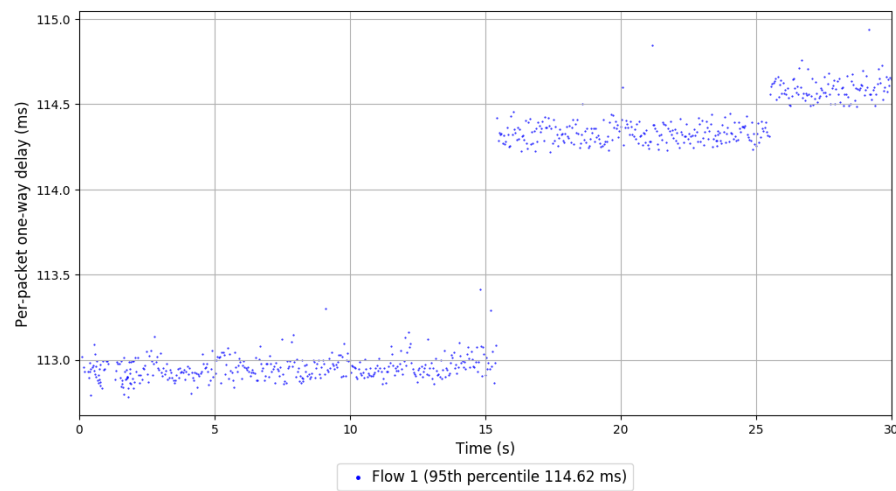
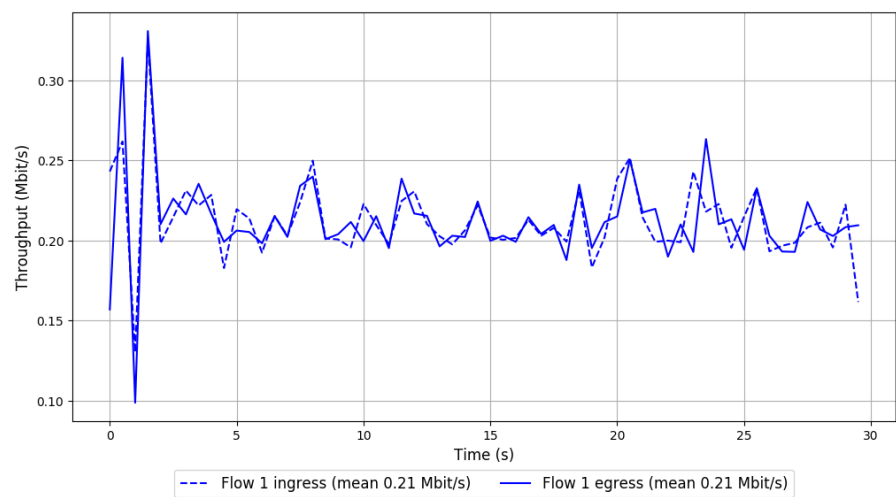
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.616 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 09:05:32

End at: 2018-04-17 09:06:02

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.580 ms

Loss rate: 0.00%

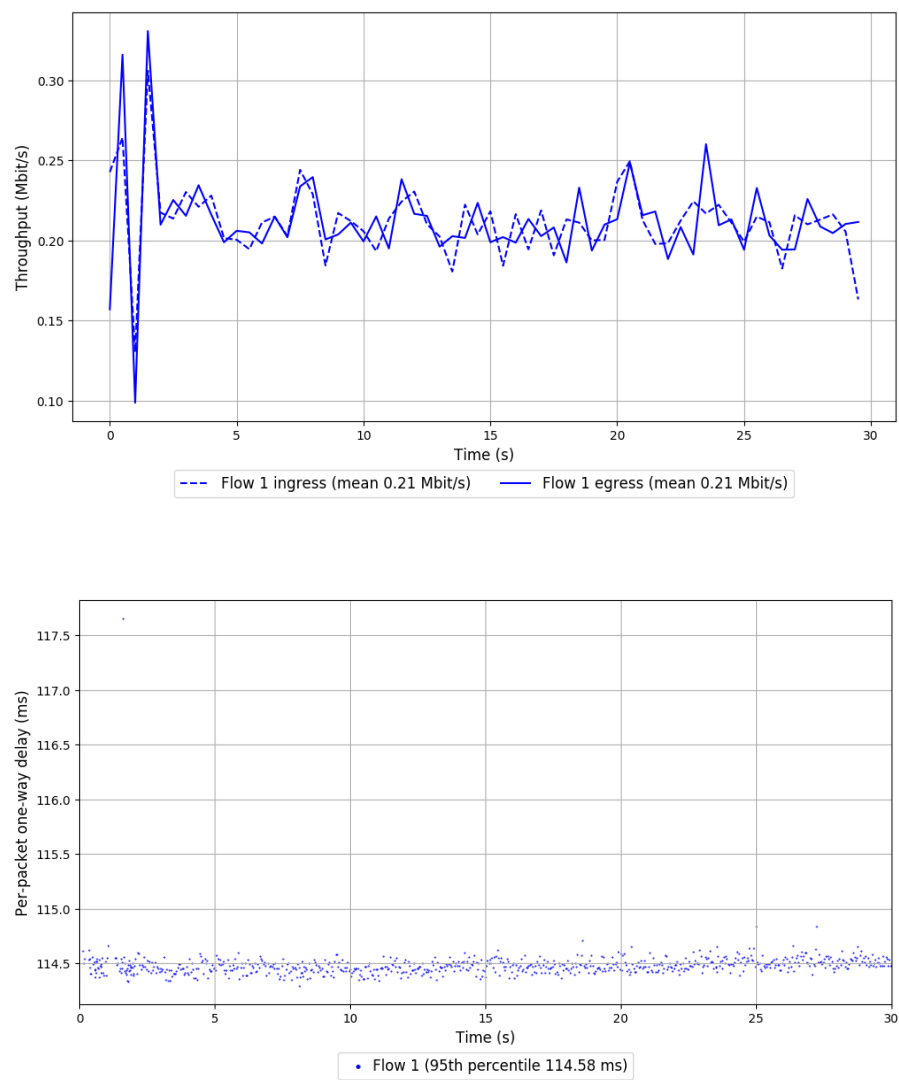
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 114.580 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-17 09:19:26

End at: 2018-04-17 09:19:56

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 115.322 ms

Loss rate: 0.00%

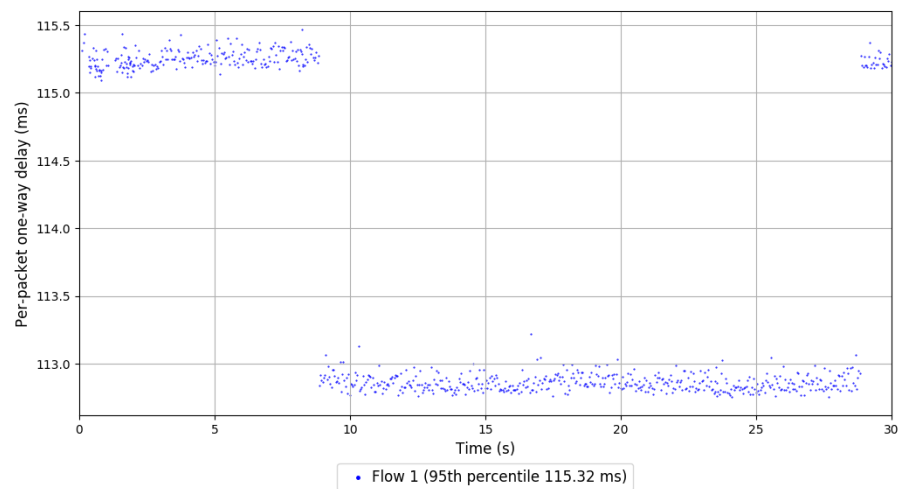
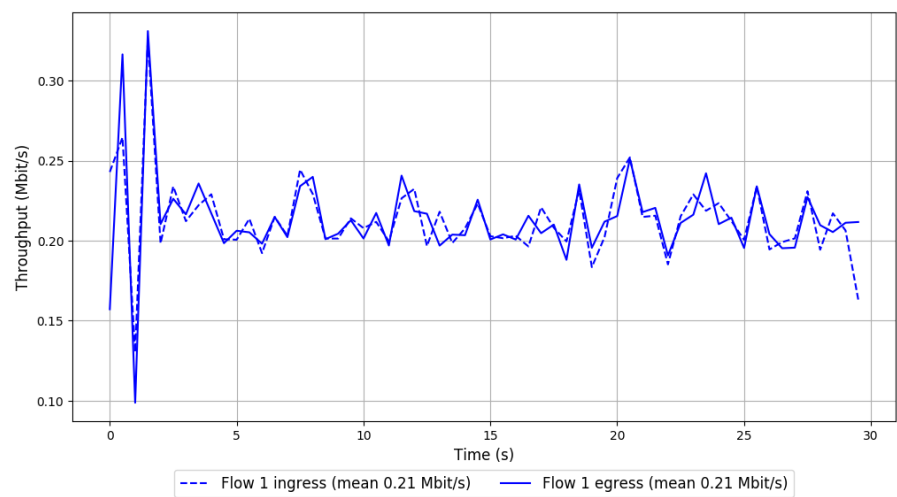
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 115.322 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-17 09:33:47

End at: 2018-04-17 09:34:17

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 114.262 ms

Loss rate: 0.00%

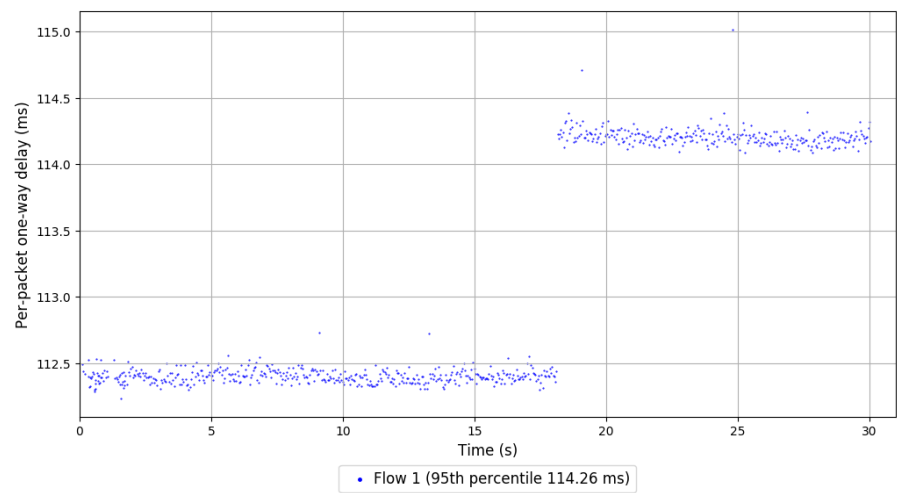
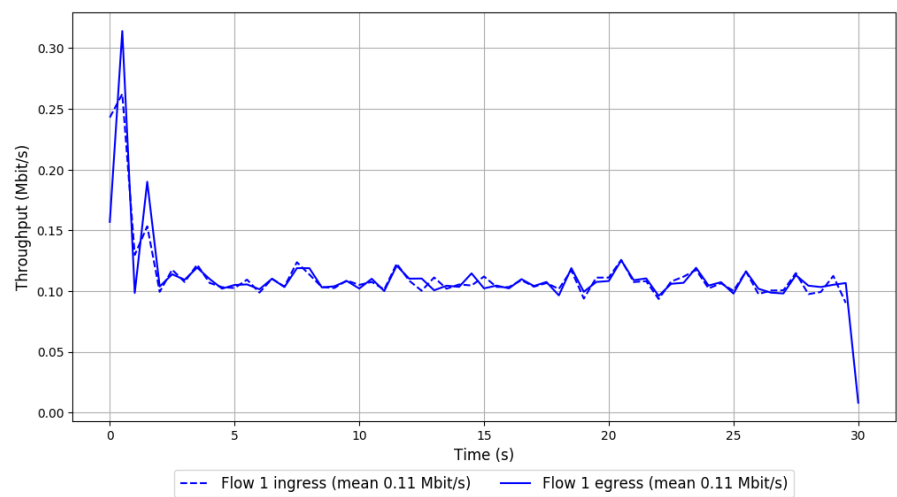
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 114.262 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 09:47:57

End at: 2018-04-17 09:48:27

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 112.184 ms

Loss rate: 0.00%

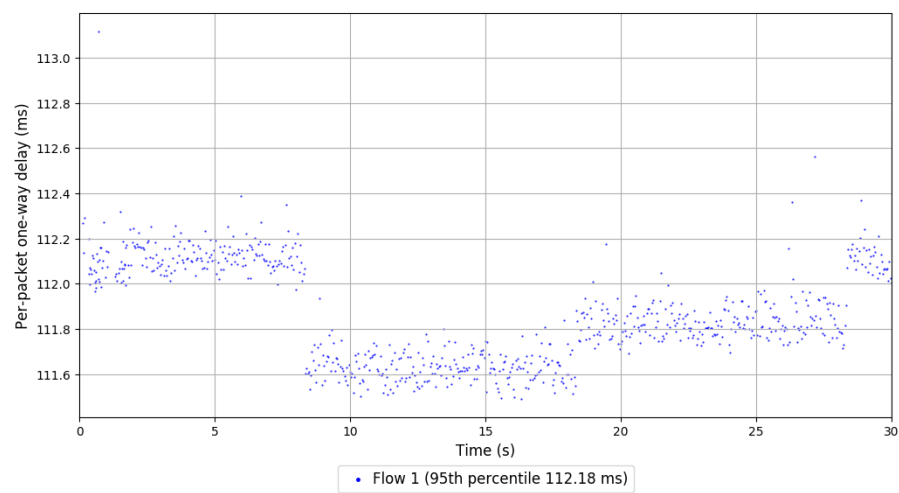
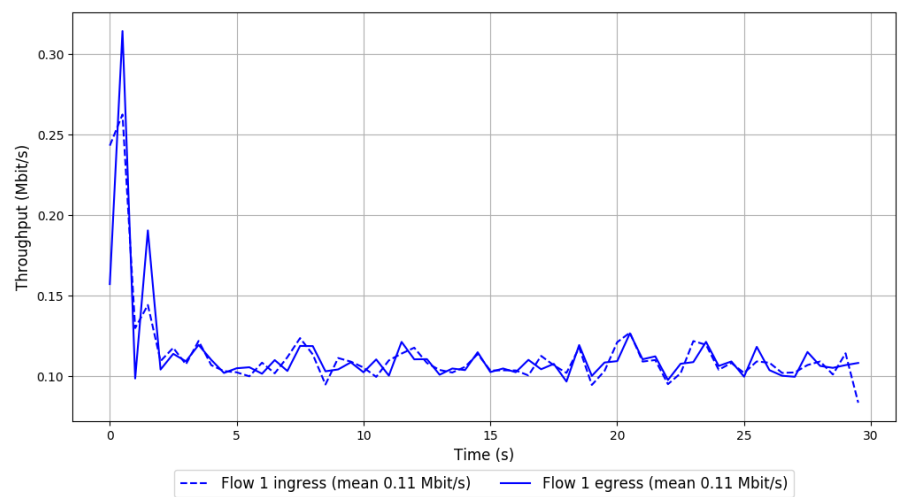
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 112.184 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-17 10:02:17

End at: 2018-04-17 10:02:47

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.667 ms

Loss rate: 0.00%

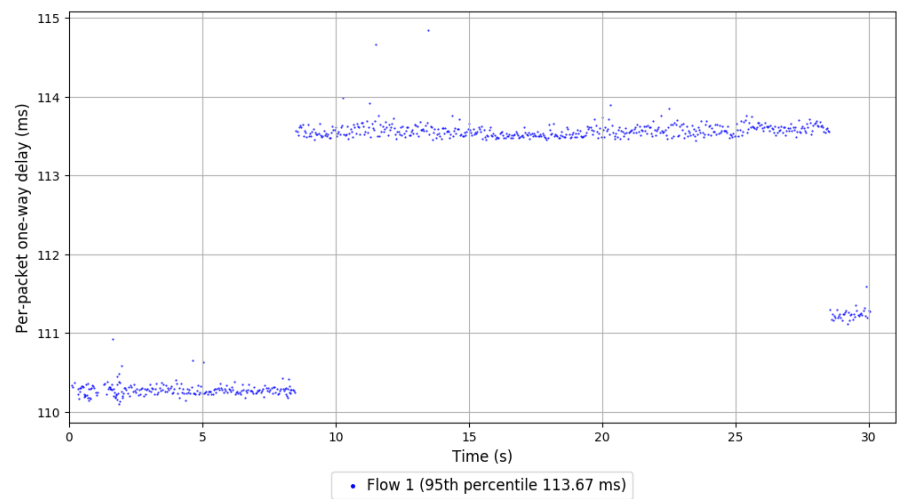
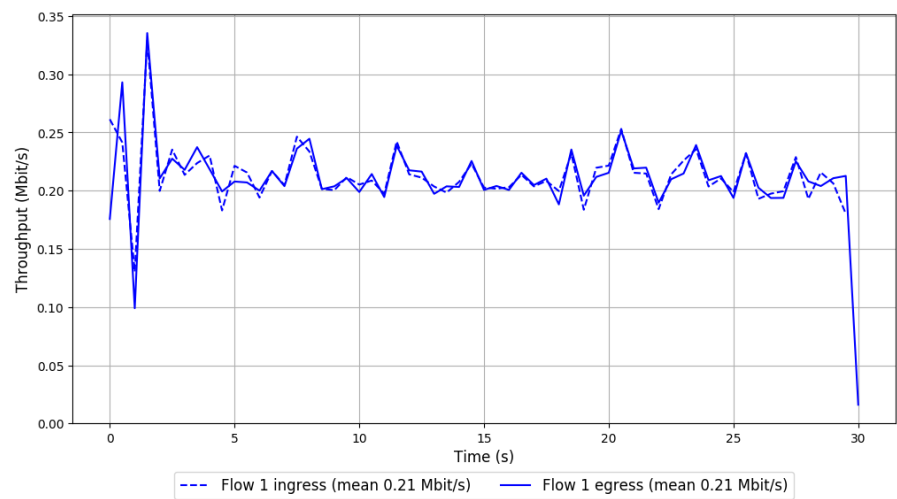
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.667 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

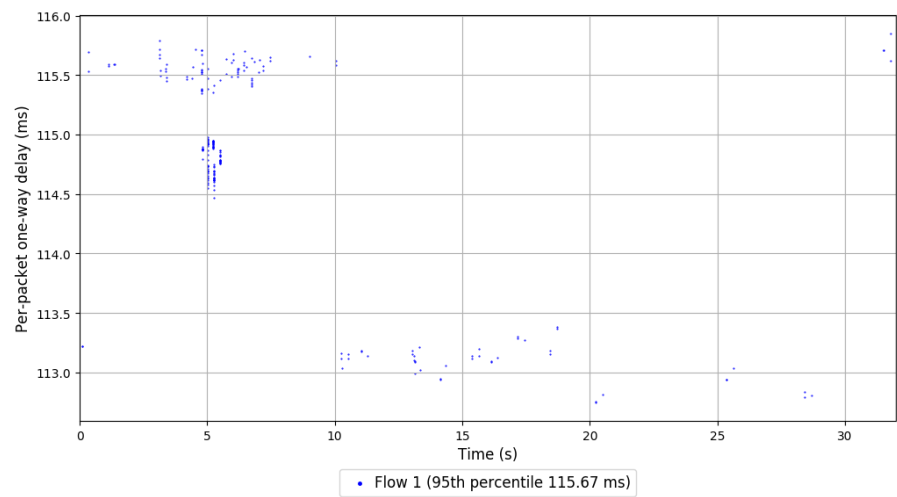
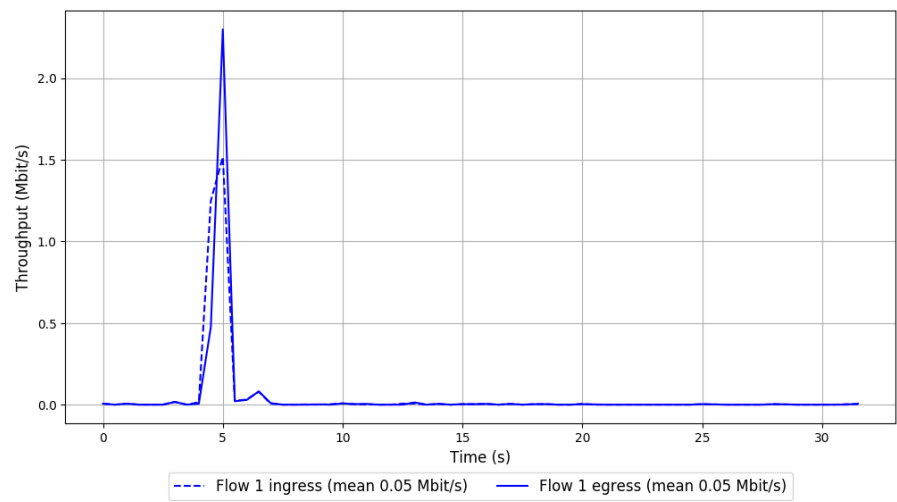


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 07:58:27
End at: 2018-04-17 07:58:57

# Below is generated by plot.py at 2018-04-17 11:36:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 115.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 115.674 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-17 08:12:36

End at: 2018-04-17 08:13:06

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 115.006 ms

Loss rate: 0.00%

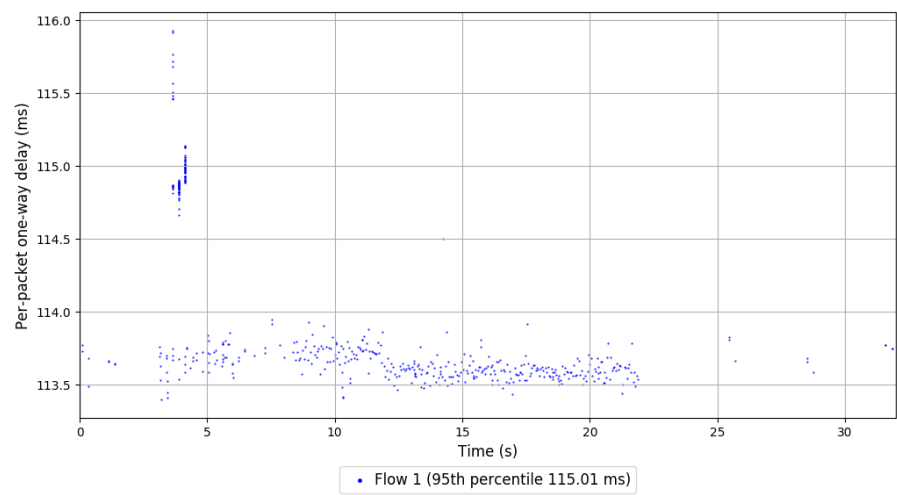
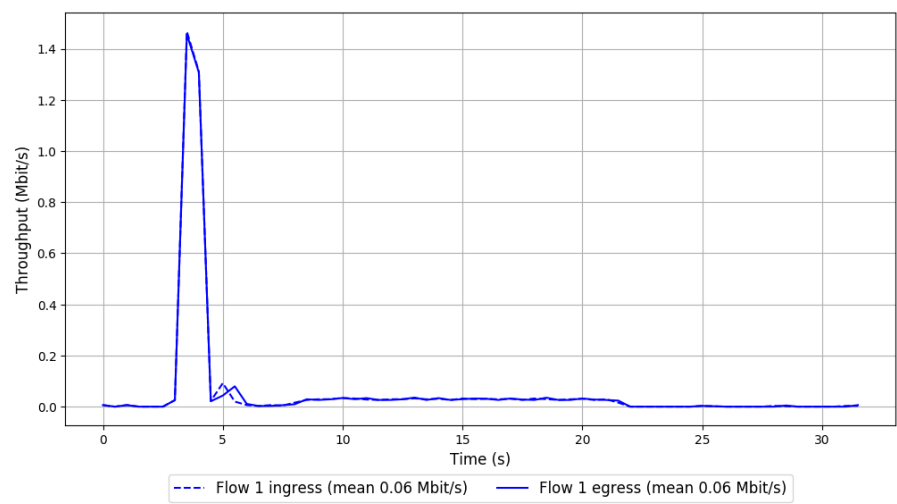
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 115.006 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-17 08:26:32

End at: 2018-04-17 08:27:02

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 114.651 ms

Loss rate: 0.00%

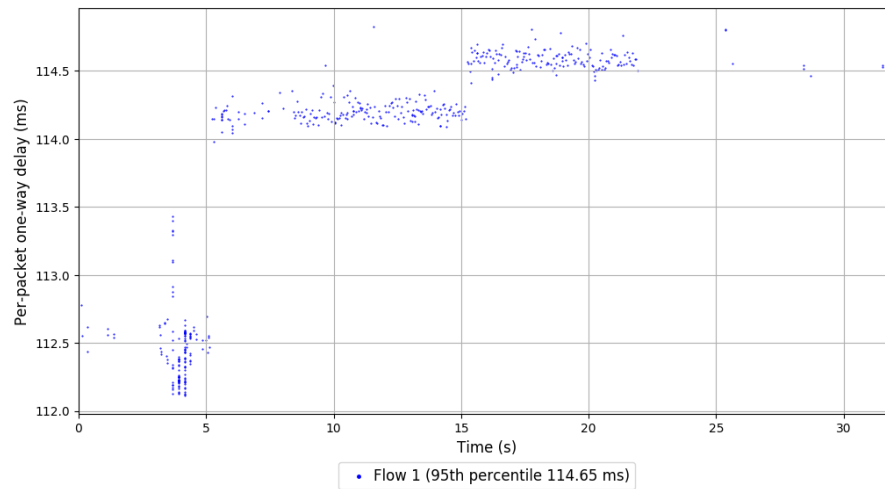
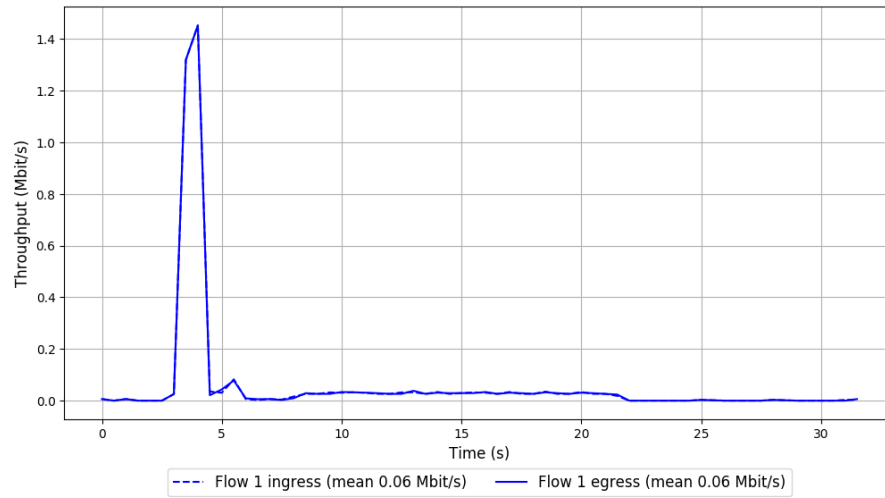
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 114.651 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 08:40:41

End at: 2018-04-17 08:41:11

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 114.232 ms

Loss rate: 0.00%

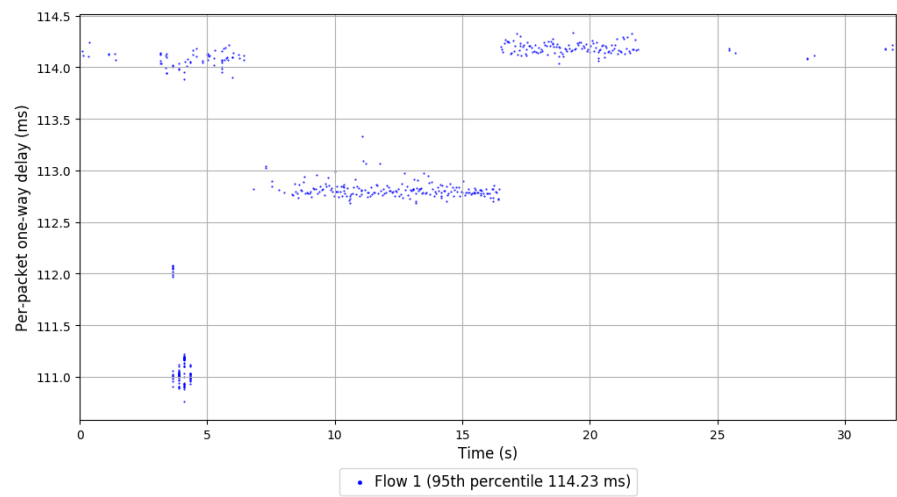
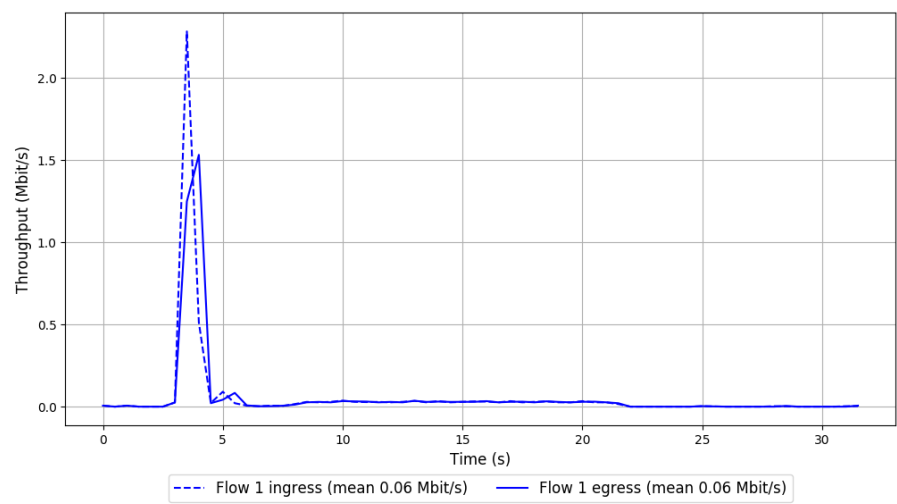
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 114.232 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 08:54:37

End at: 2018-04-17 08:55:07

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 114.298 ms

Loss rate: 0.00%

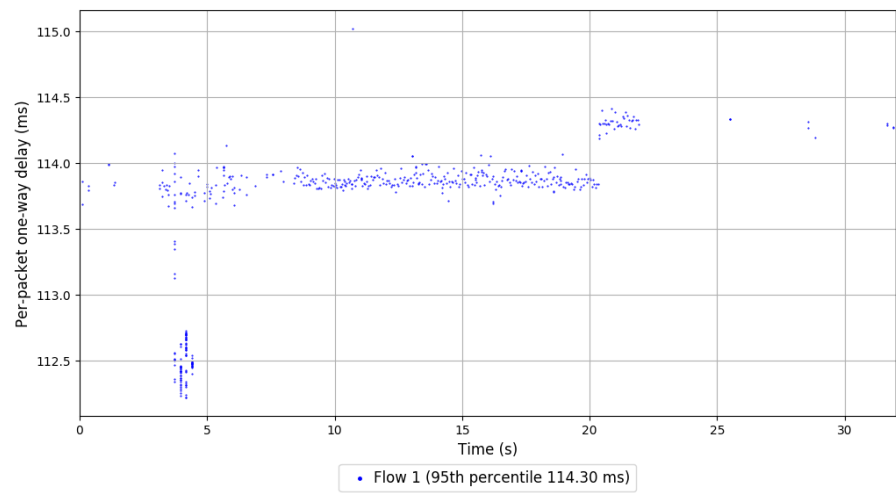
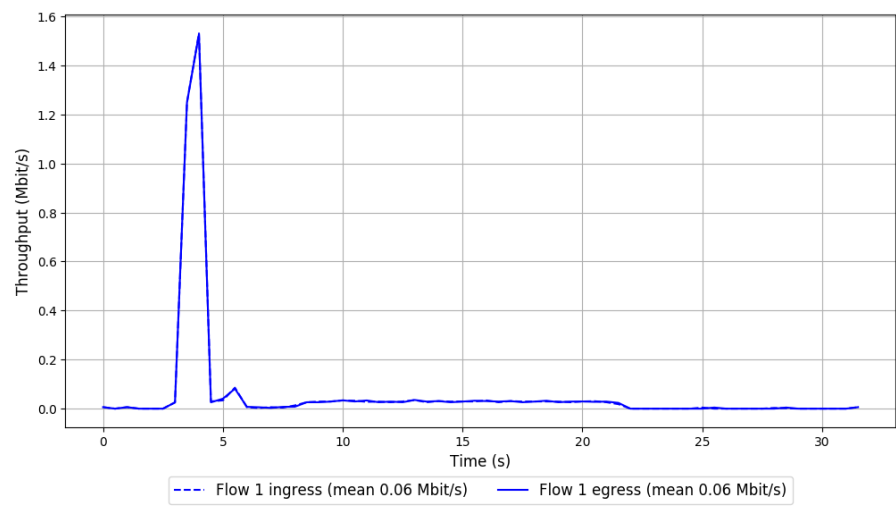
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 114.298 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 09:08:38

End at: 2018-04-17 09:09:08

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 115.007 ms

Loss rate: 0.00%

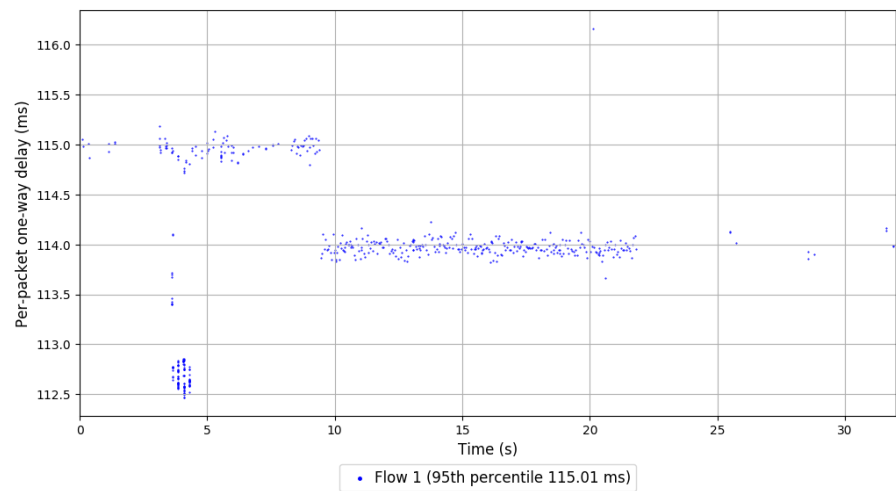
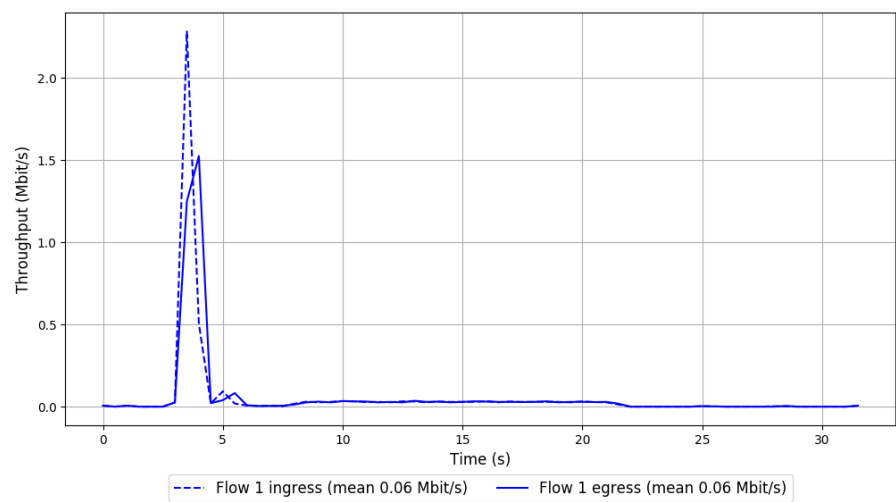
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 115.007 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 09:22:53

End at: 2018-04-17 09:23:23

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 115.141 ms

Loss rate: 0.00%

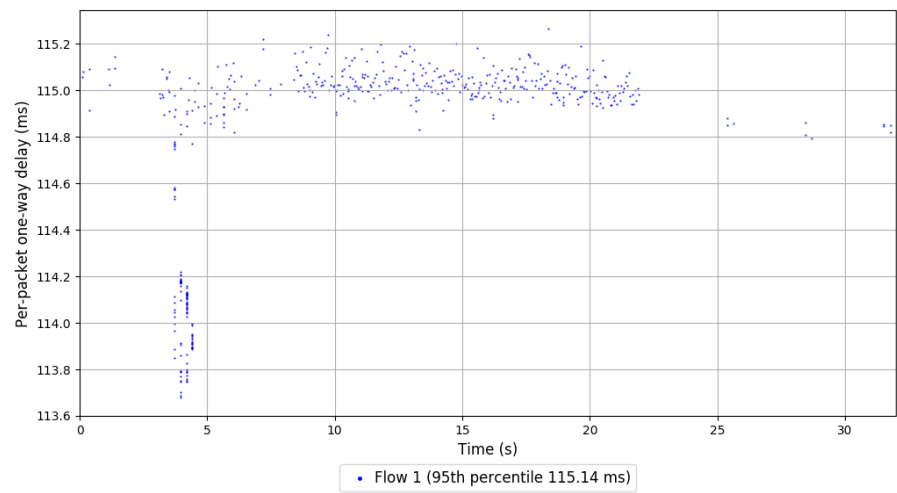
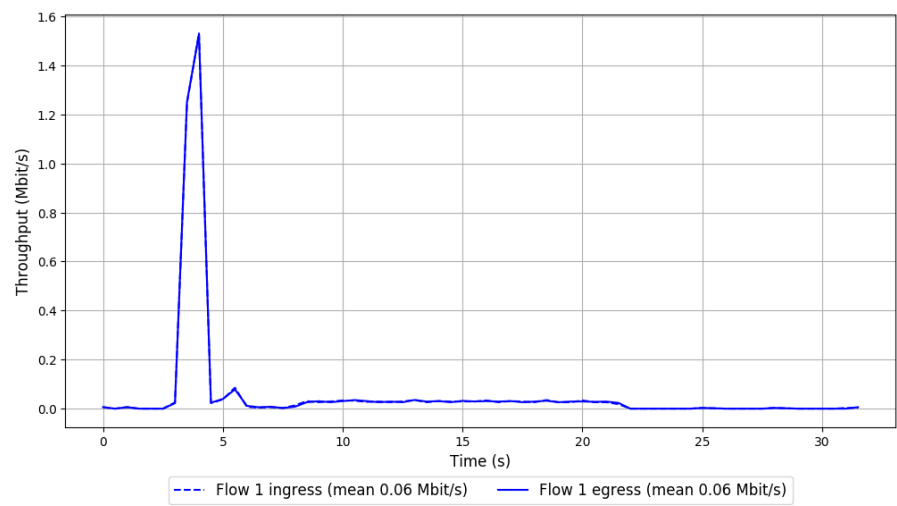
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 115.141 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 09:37:11

End at: 2018-04-17 09:37:41

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.783 ms

Loss rate: 0.00%

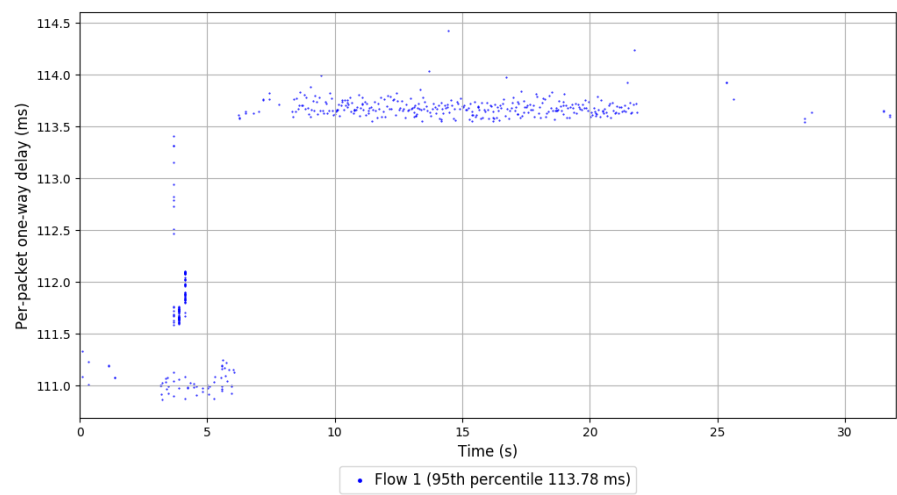
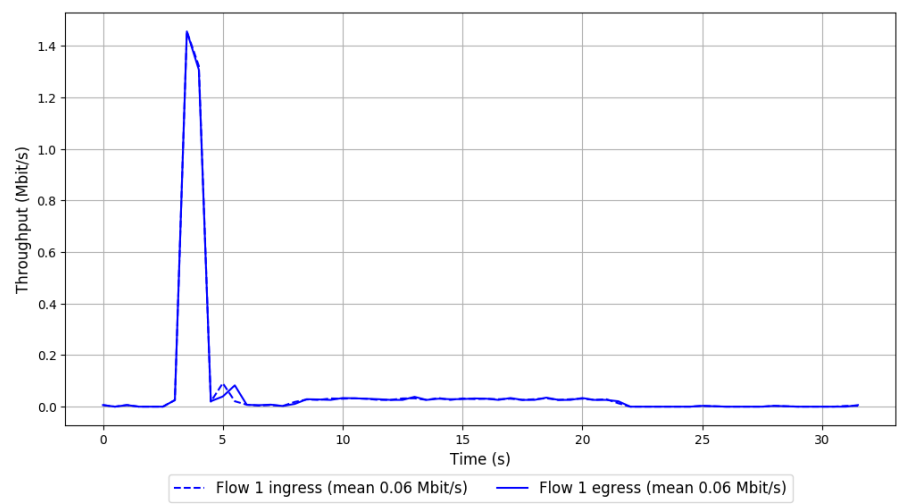
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.783 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 09:51:17

End at: 2018-04-17 09:51:47

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.341 ms

Loss rate: 0.00%

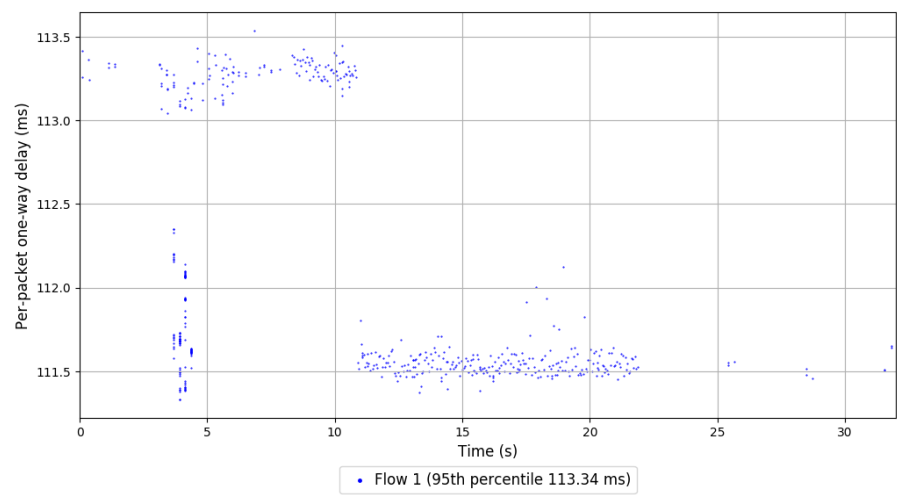
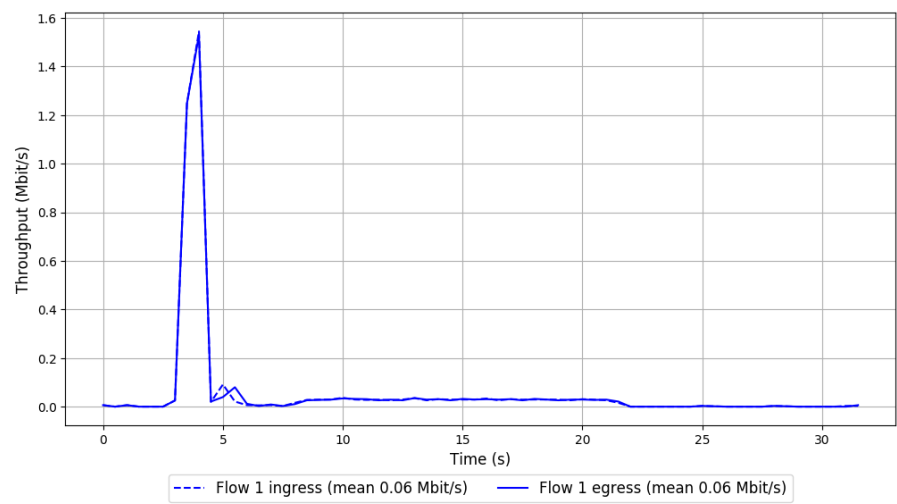
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.341 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 10:05:36

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

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.784 ms

Loss rate: 0.00%

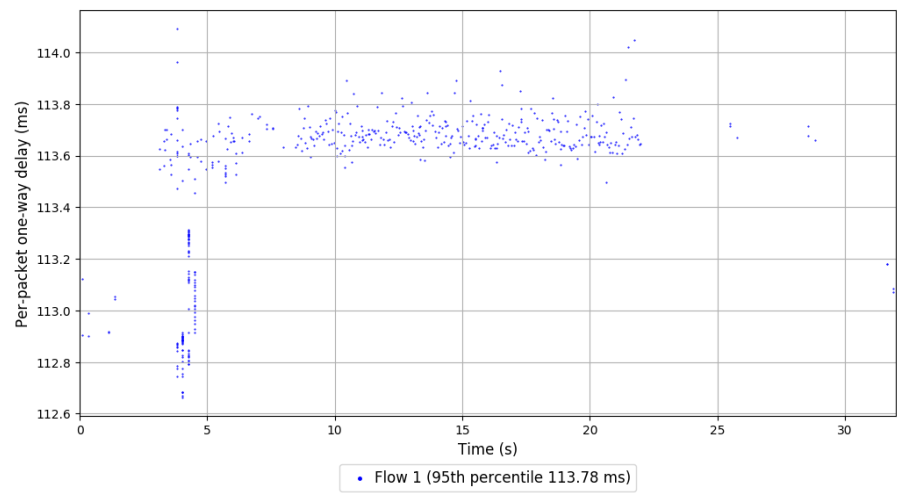
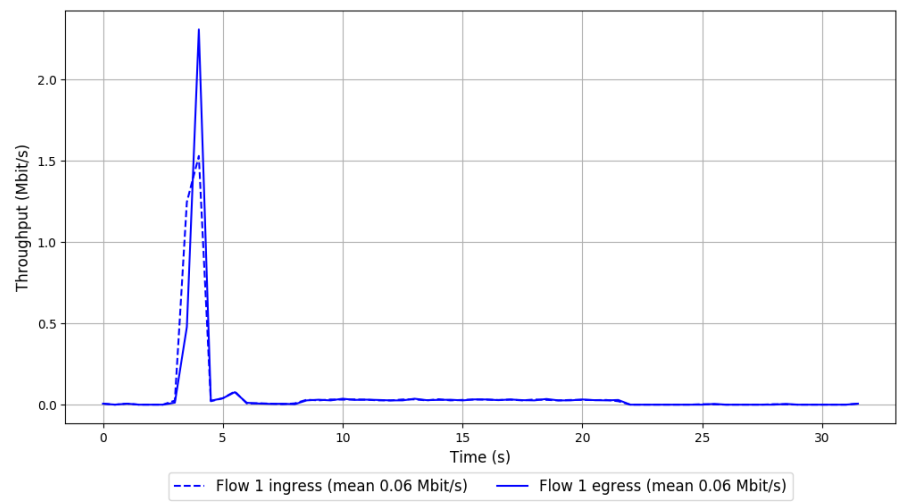
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.784 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-17 08:01:15

End at: 2018-04-17 08:01:45

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 115.325 ms

Loss rate: 0.00%

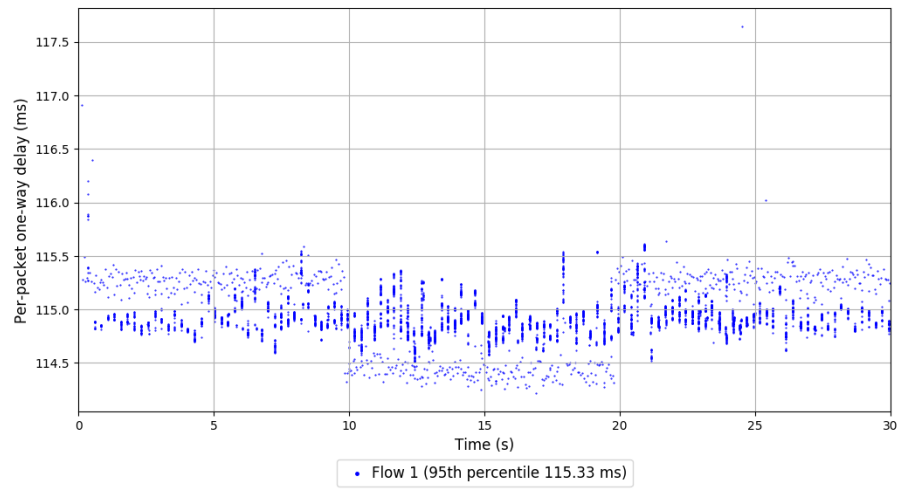
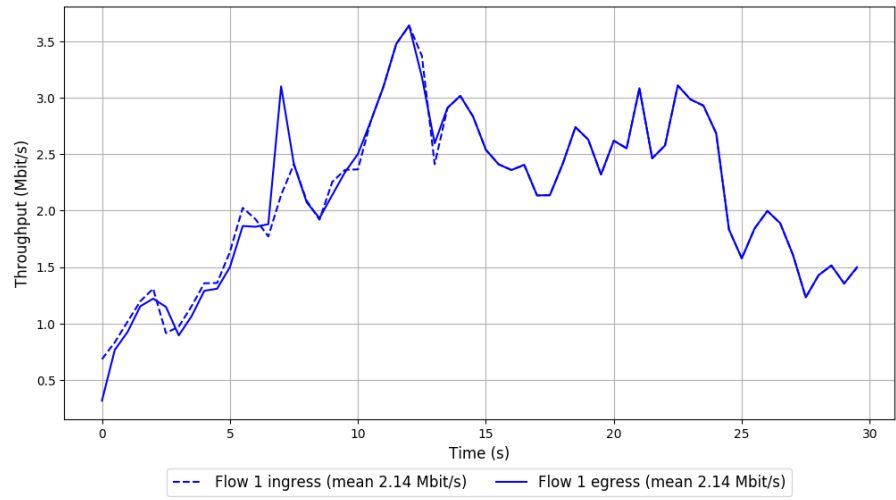
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 115.325 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 08:15:23

End at: 2018-04-17 08:15:53

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 114.874 ms

Loss rate: 0.00%

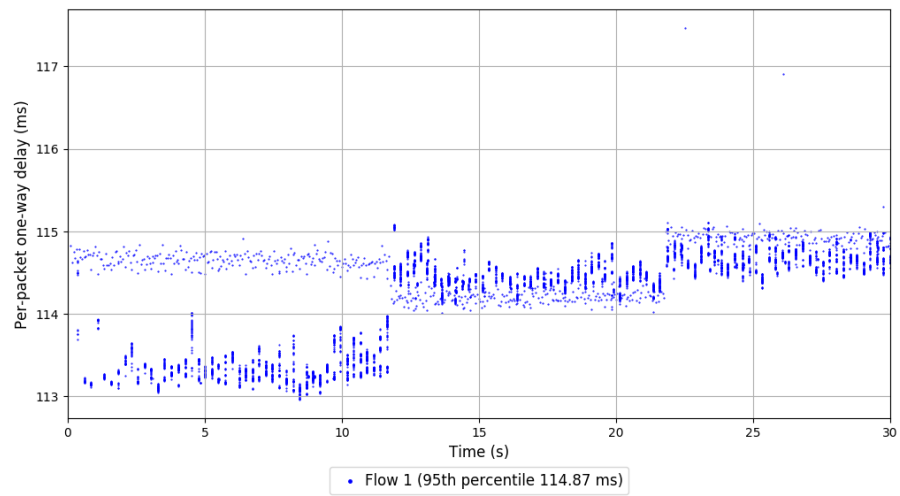
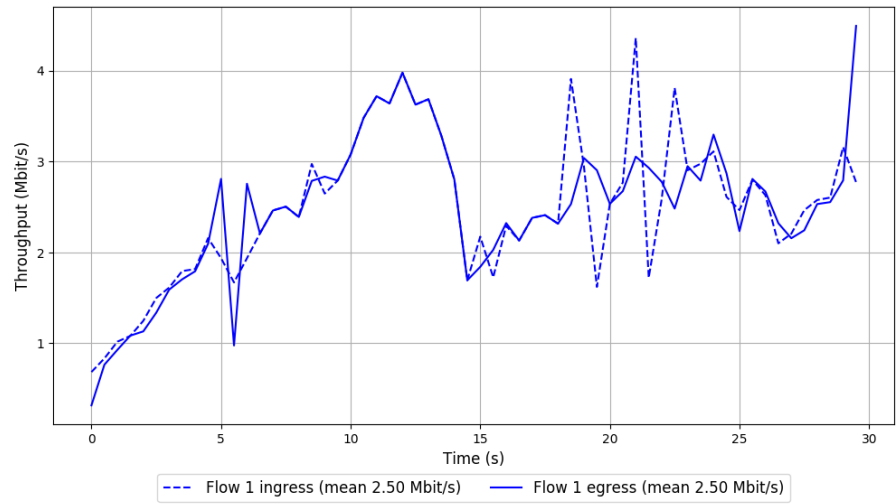
-- Flow 1:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 114.874 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-17 08:29:21

End at: 2018-04-17 08:29:51

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 113.878 ms

Loss rate: 0.02%

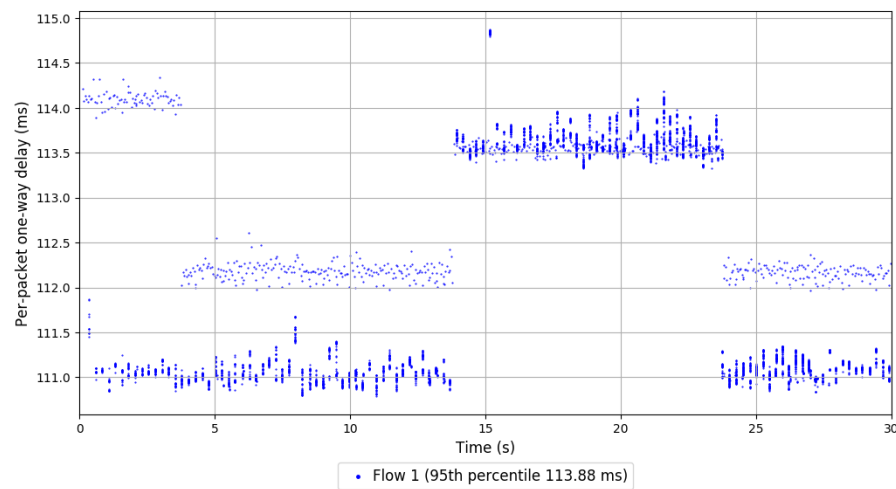
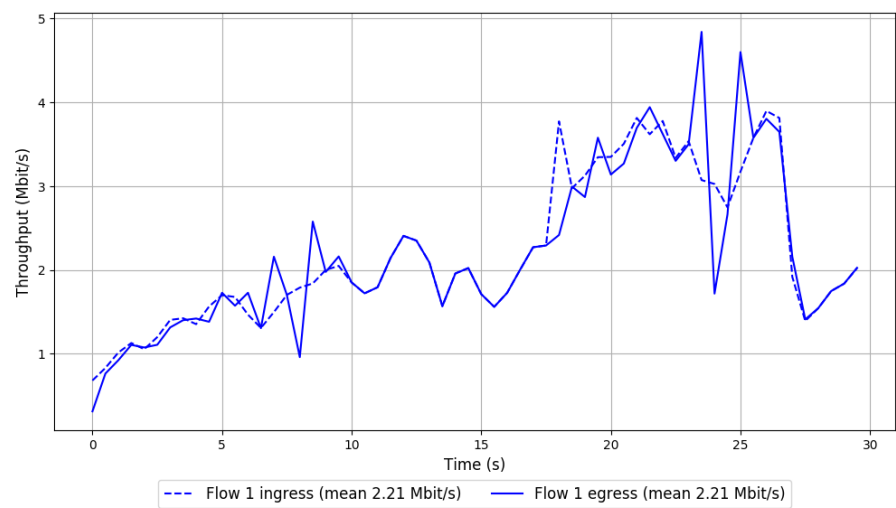
-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 113.878 ms

Loss rate: 0.02%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-17 08:43:29

End at: 2018-04-17 08:43:59

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 114.164 ms

Loss rate: 0.00%

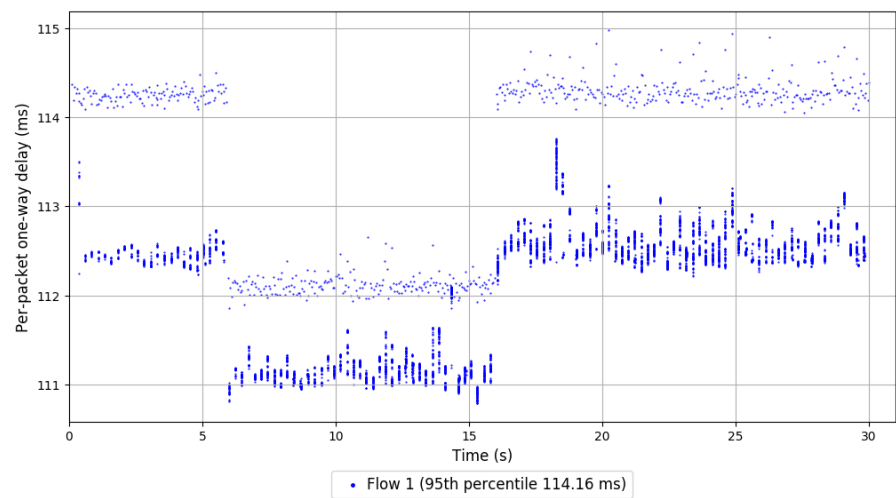
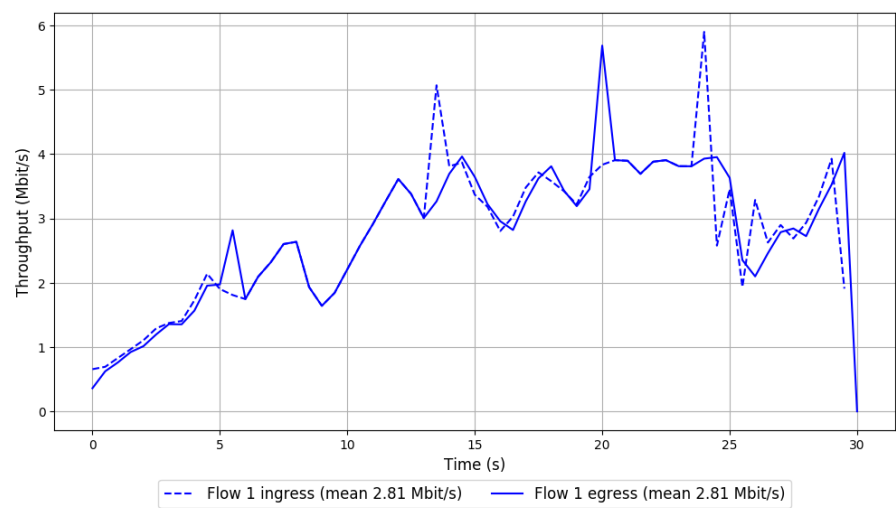
-- Flow 1:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 114.164 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-17 08:57:24

End at: 2018-04-17 08:57:54

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 112.193 ms

Loss rate: 0.00%

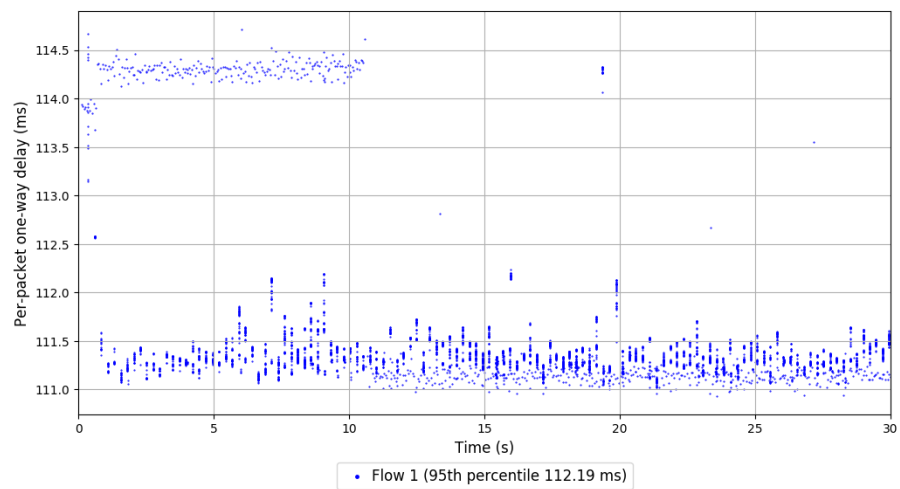
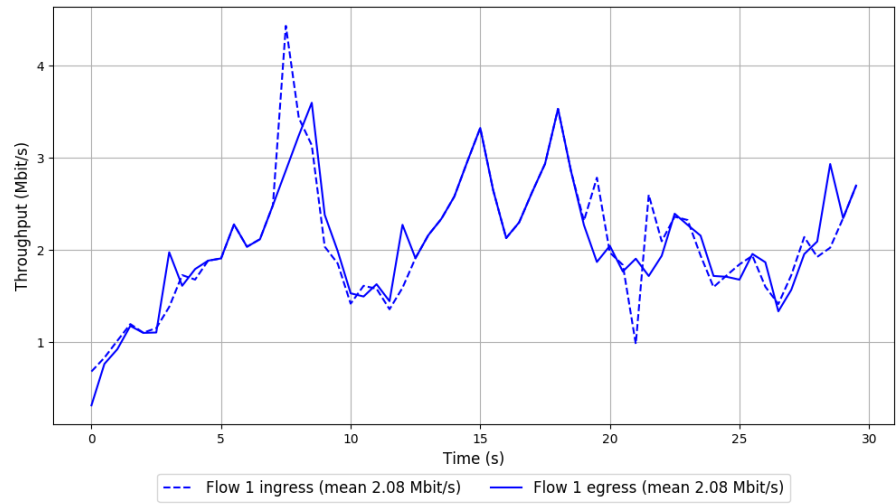
-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 112.193 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 09:11:25

End at: 2018-04-17 09:11:55

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 114.513 ms

Loss rate: 0.00%

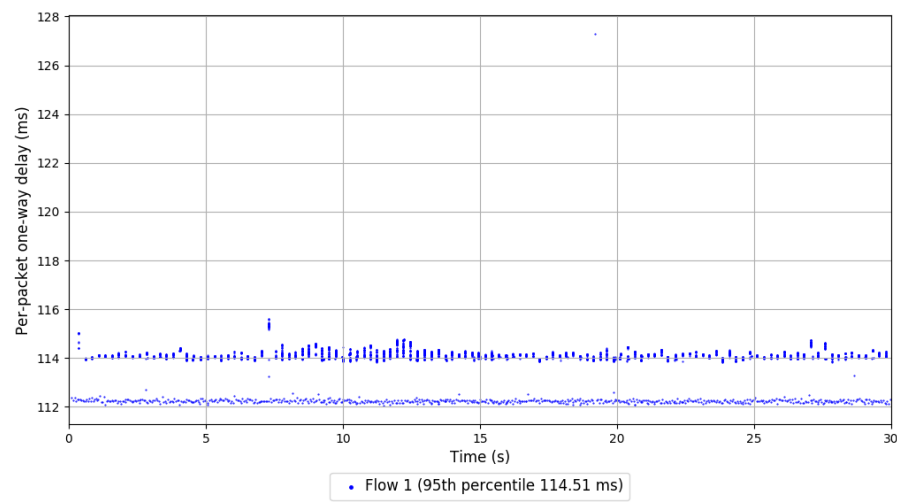
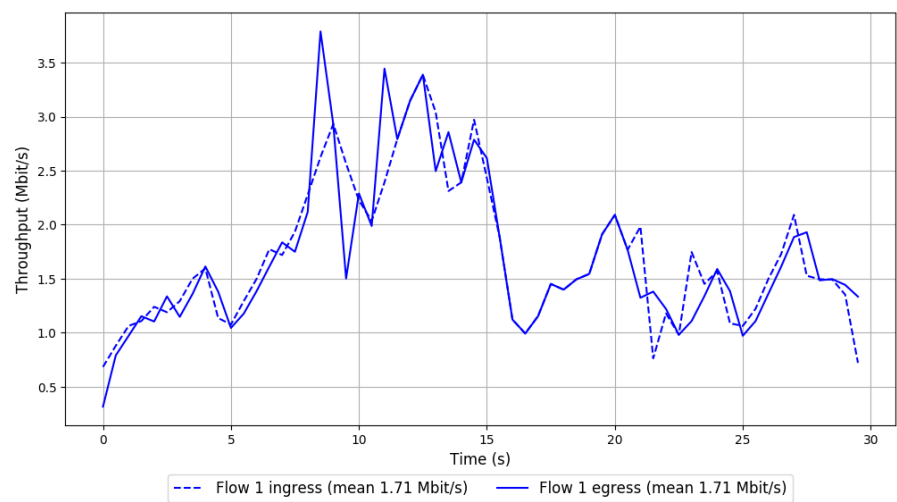
-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 114.513 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-17 09:25:42

End at: 2018-04-17 09:26:12

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 114.144 ms

Loss rate: 0.00%

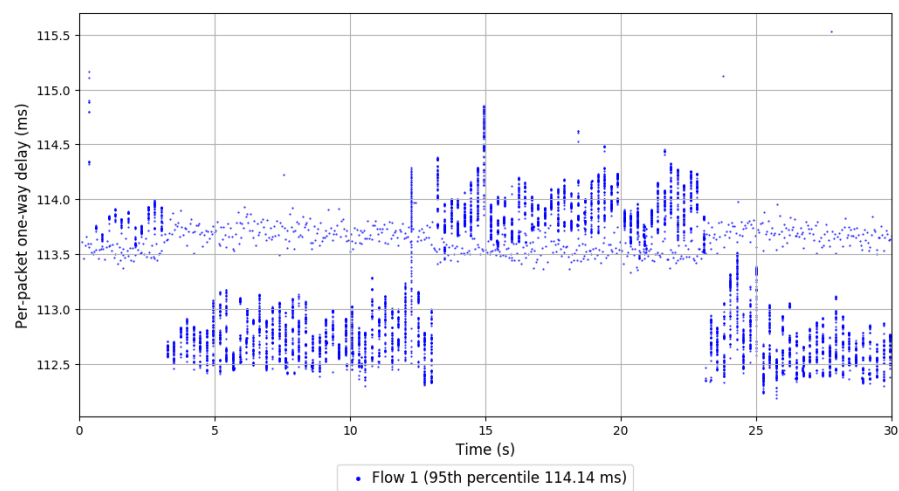
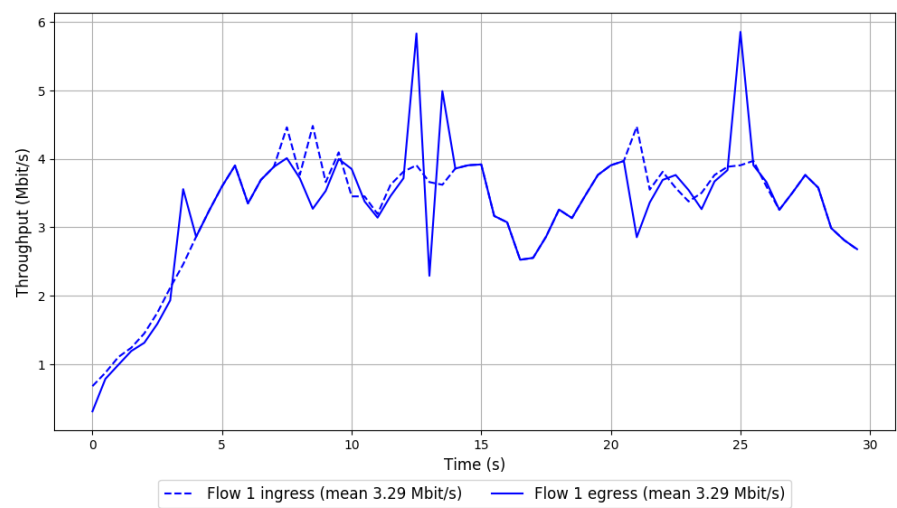
-- Flow 1:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 114.144 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-17 09:39:59

End at: 2018-04-17 09:40:30

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 114.201 ms

Loss rate: 0.00%

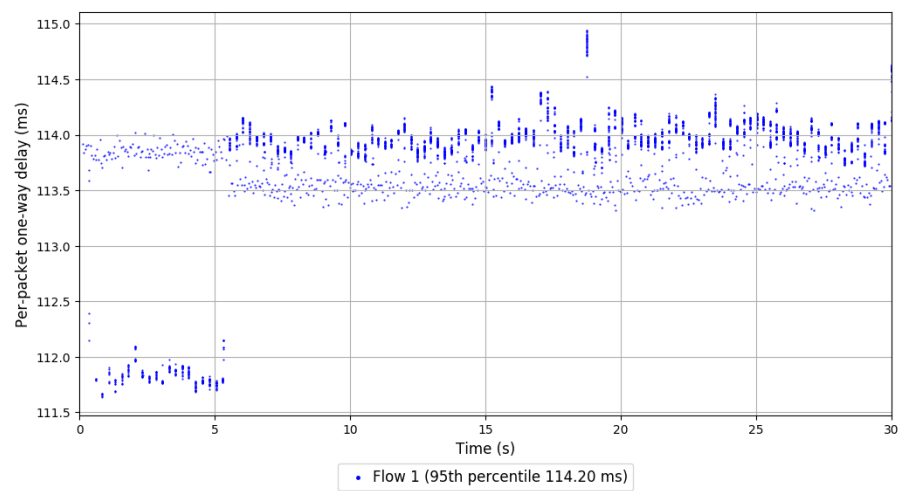
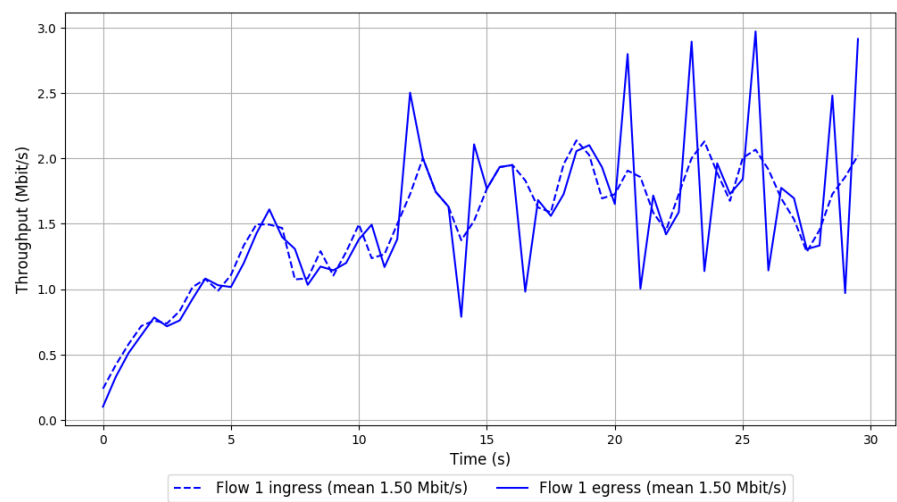
-- Flow 1:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 114.201 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 09:54:05

End at: 2018-04-17 09:54:35

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 113.943 ms

Loss rate: 0.00%

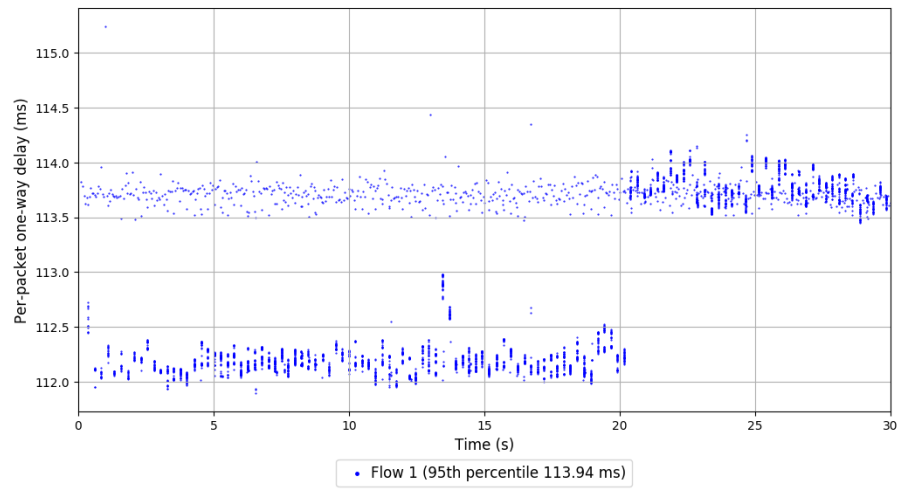
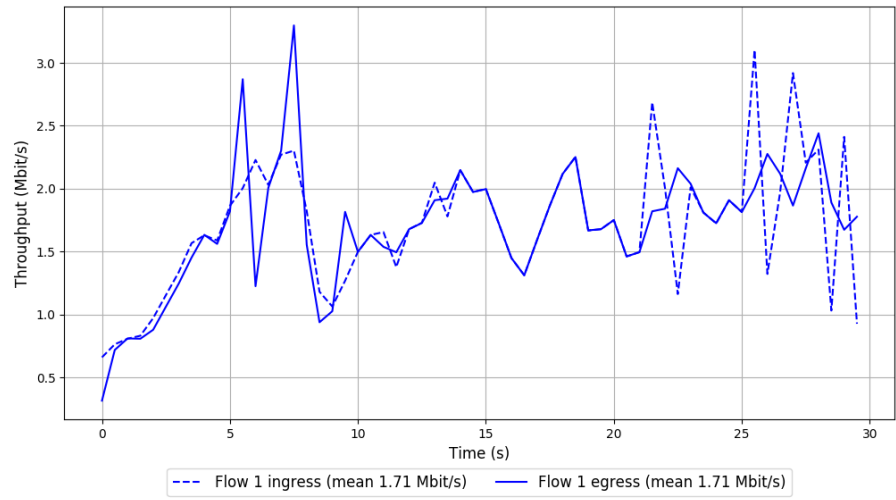
-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 113.943 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 10:08:25

End at: 2018-04-17 10:08:55

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 113.287 ms

Loss rate: 0.00%

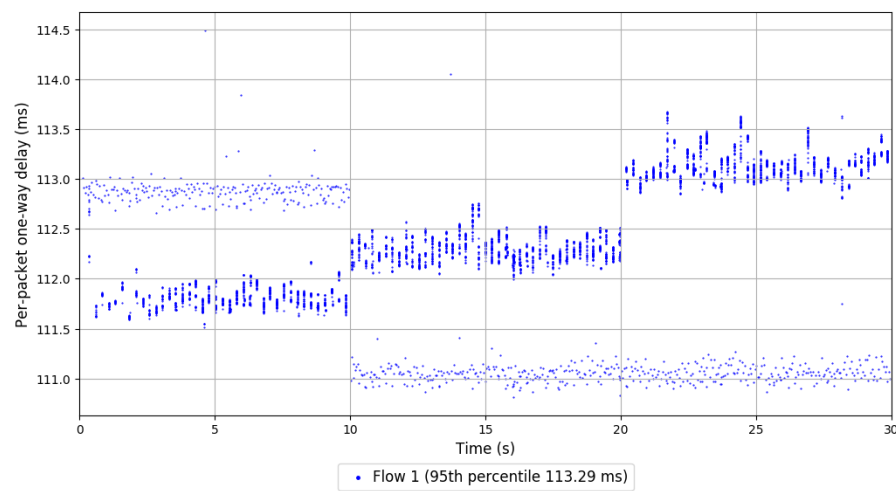
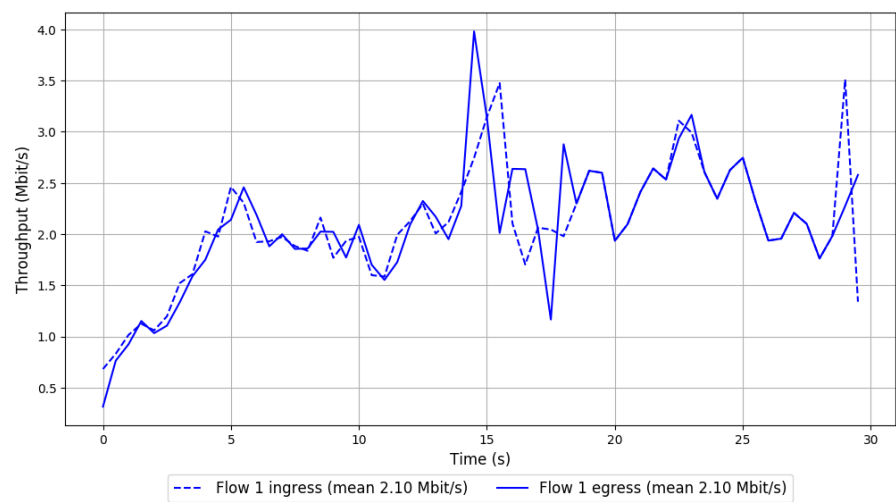
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 113.287 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

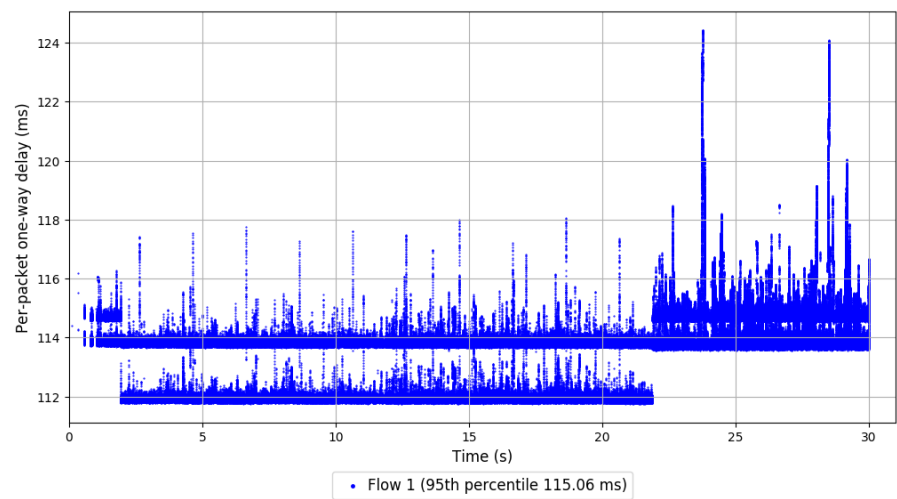
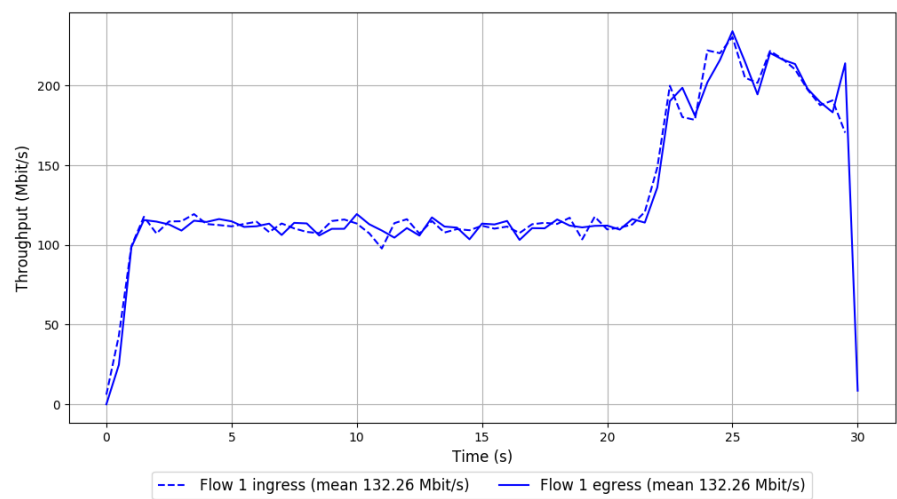


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 07:55:53
End at: 2018-04-17 07:56:23

# Below is generated by plot.py at 2018-04-17 11:36:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.26 Mbit/s
95th percentile per-packet one-way delay: 115.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.26 Mbit/s
95th percentile per-packet one-way delay: 115.057 ms
Loss rate: 0.00%
```

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

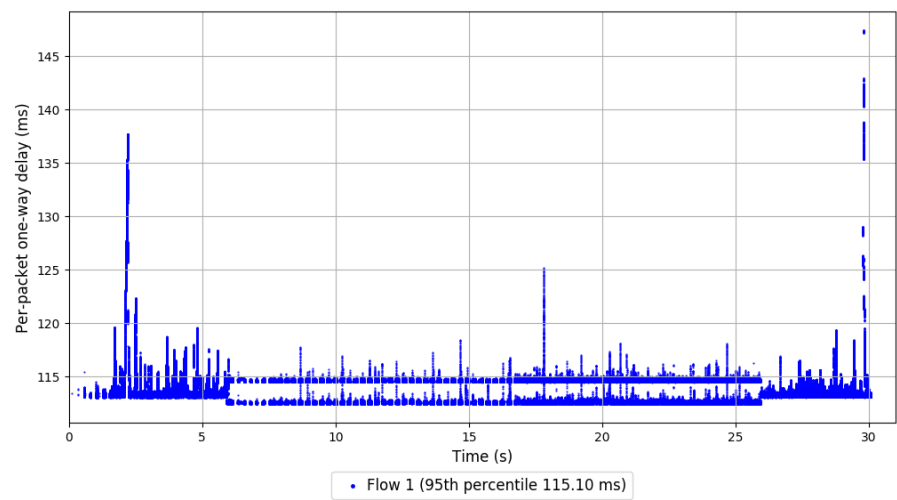
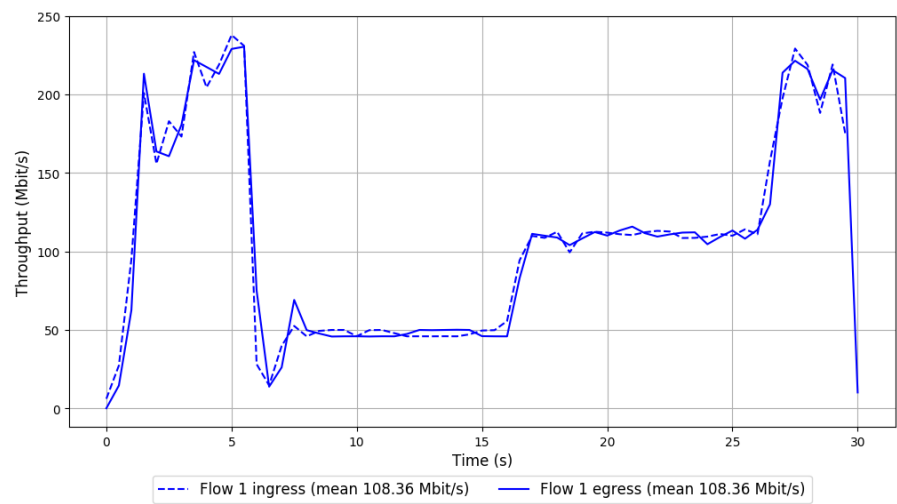


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 08:09:59
End at: 2018-04-17 08:10:29

# Below is generated by plot.py at 2018-04-17 11:36:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.36 Mbit/s
95th percentile per-packet one-way delay: 115.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.36 Mbit/s
95th percentile per-packet one-way delay: 115.104 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 08:24:07

End at: 2018-04-17 08:24:37

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.26 Mbit/s

95th percentile per-packet one-way delay: 114.086 ms

Loss rate: 0.00%

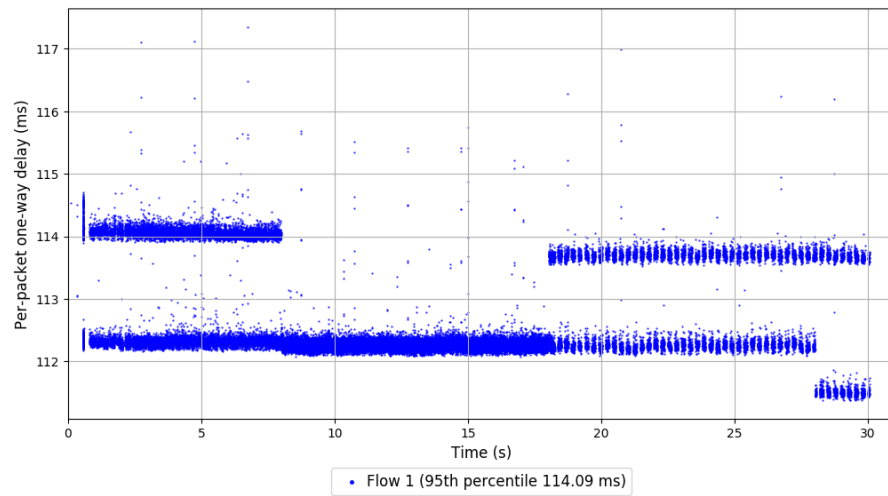
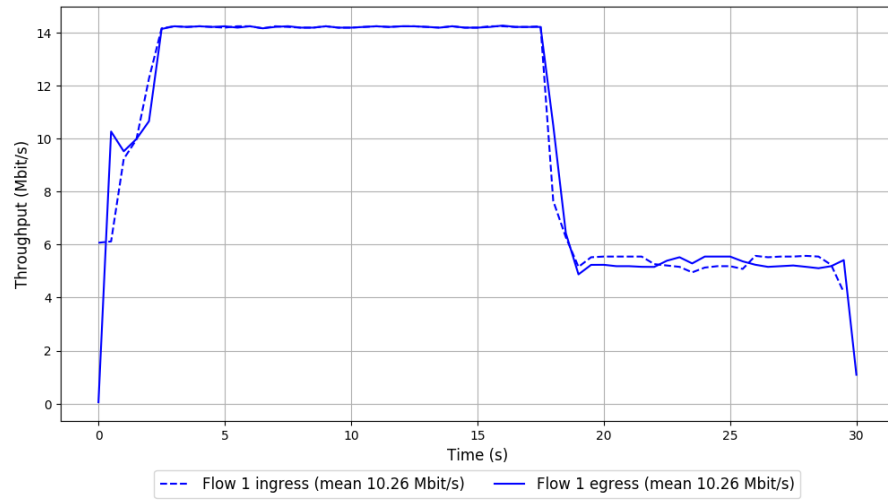
-- Flow 1:

Average throughput: 10.26 Mbit/s

95th percentile per-packet one-way delay: 114.086 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 08:38:12

End at: 2018-04-17 08:38:42

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.29 Mbit/s

95th percentile per-packet one-way delay: 114.060 ms

Loss rate: 0.00%

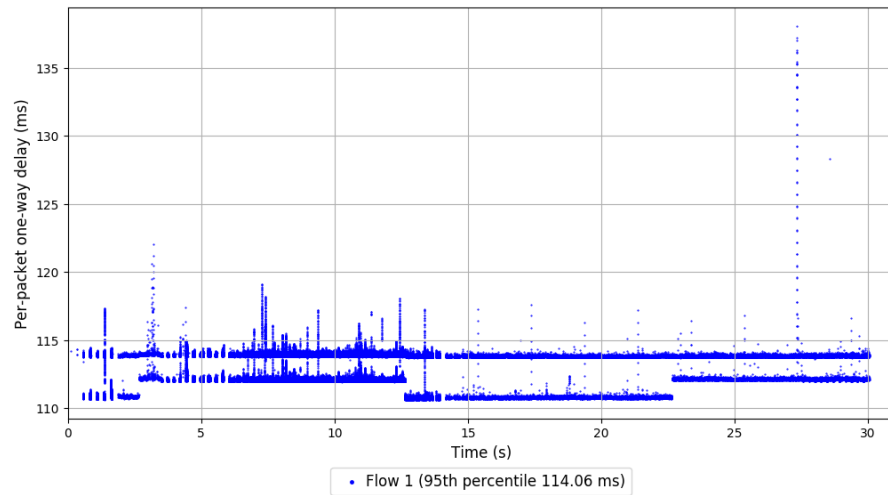
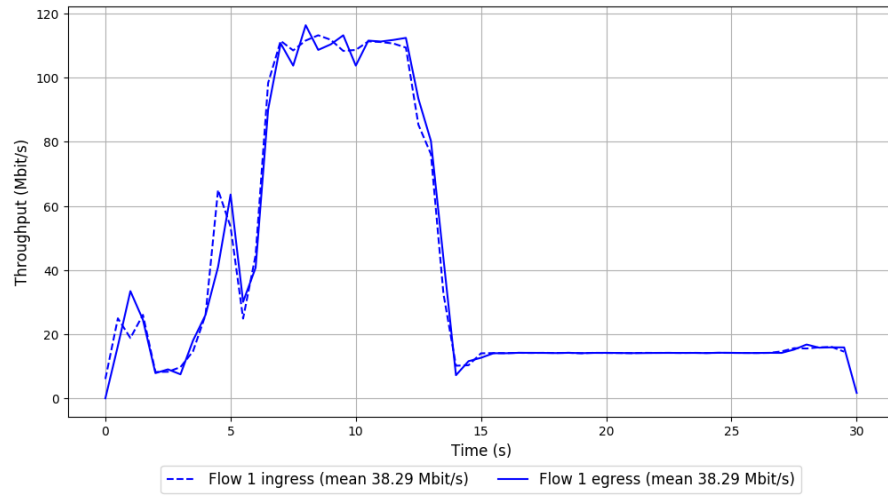
-- Flow 1:

Average throughput: 38.29 Mbit/s

95th percentile per-packet one-way delay: 114.060 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 08:52:10

End at: 2018-04-17 08:52:40

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.62 Mbit/s

95th percentile per-packet one-way delay: 114.163 ms

Loss rate: 0.00%

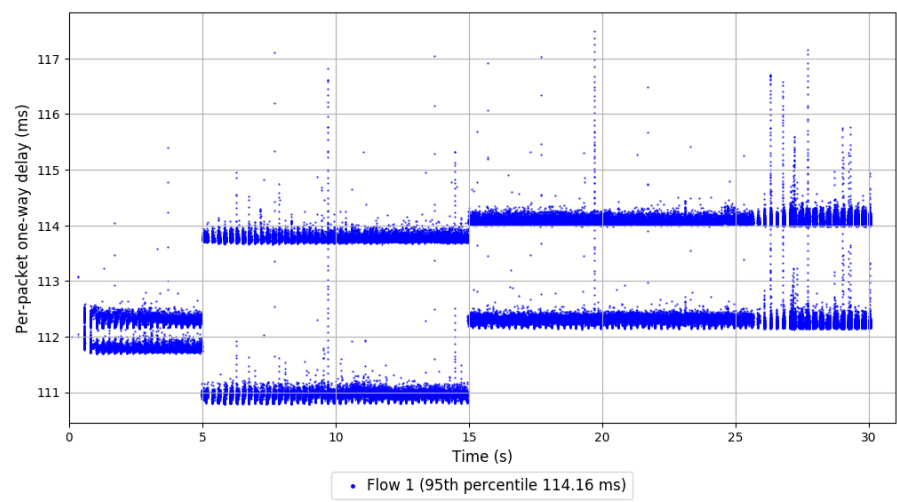
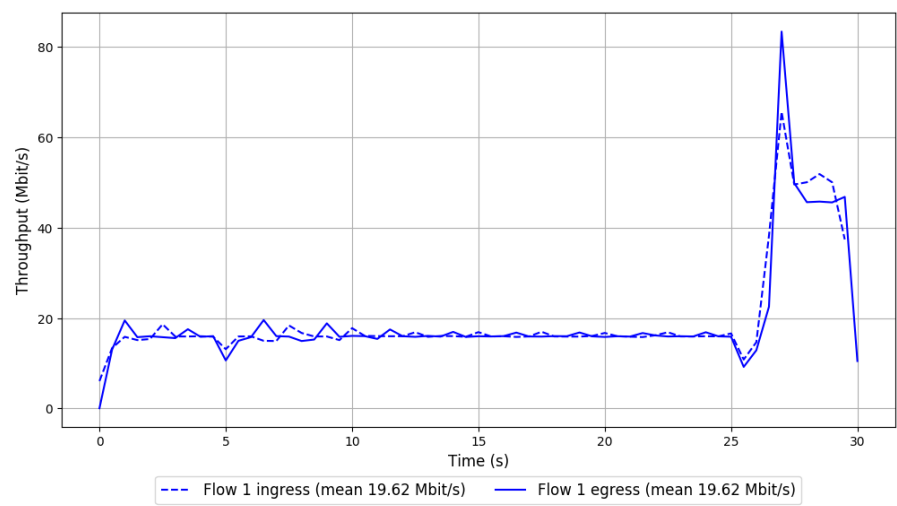
-- Flow 1:

Average throughput: 19.62 Mbit/s

95th percentile per-packet one-way delay: 114.163 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 09:06:13

End at: 2018-04-17 09:06:43

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: 114.352 ms

Loss rate: 0.00%

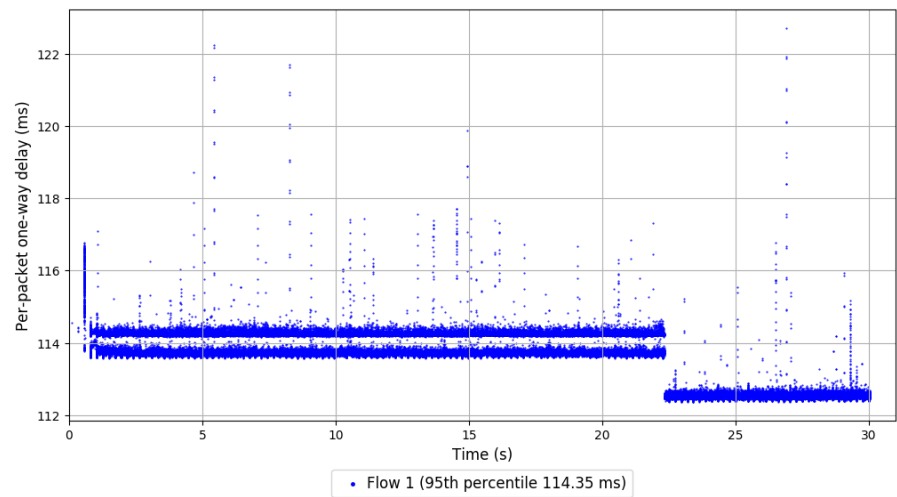
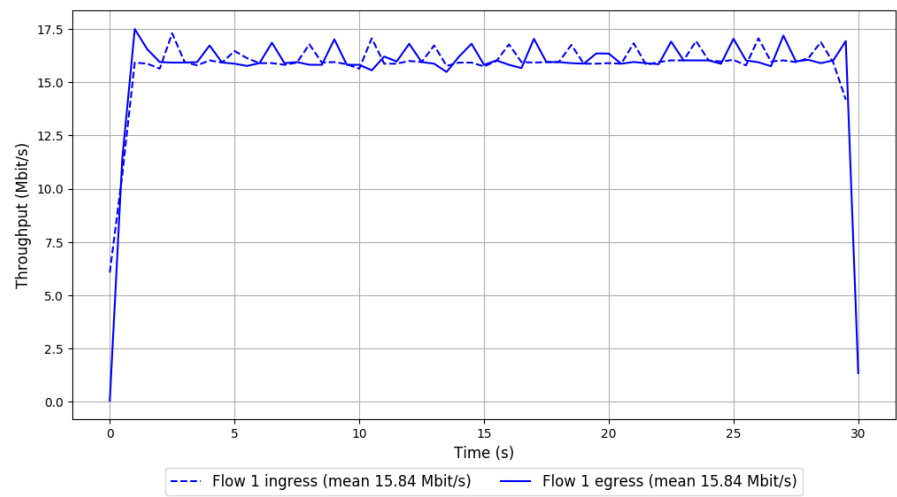
-- Flow 1:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: 114.352 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 09:20:07

End at: 2018-04-17 09:20:37

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.66 Mbit/s

95th percentile per-packet one-way delay: 115.366 ms

Loss rate: 0.00%

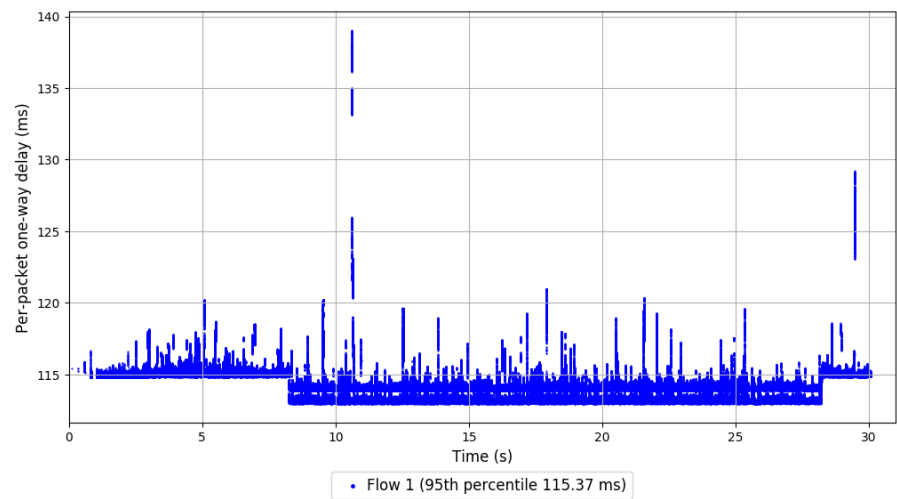
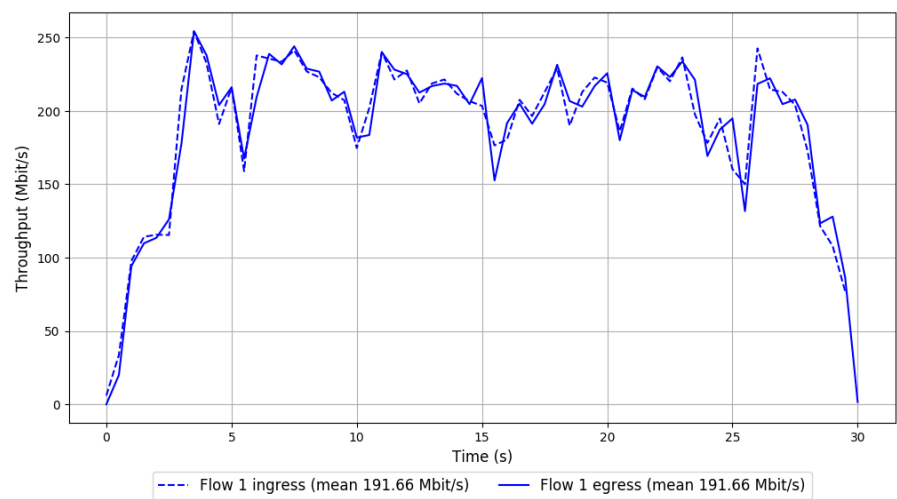
-- Flow 1:

Average throughput: 191.66 Mbit/s

95th percentile per-packet one-way delay: 115.366 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 09:34:27

End at: 2018-04-17 09:34:58

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.20 Mbit/s

95th percentile per-packet one-way delay: 114.240 ms

Loss rate: 0.00%

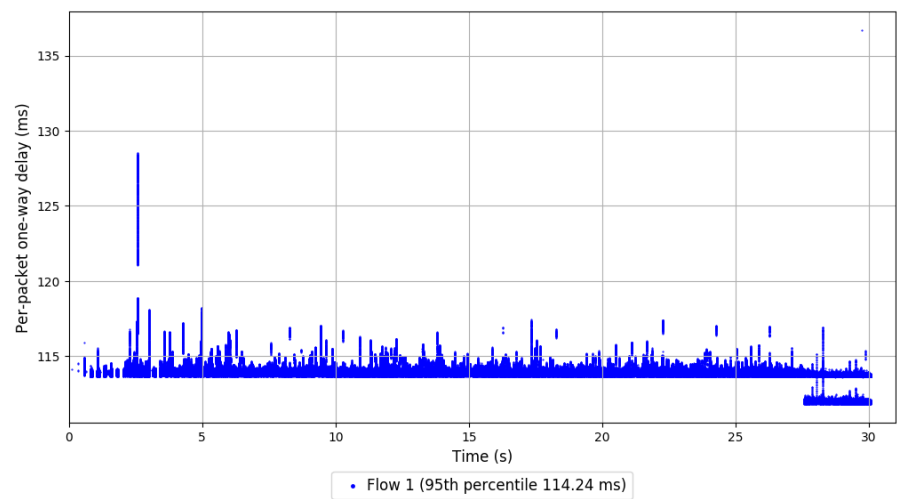
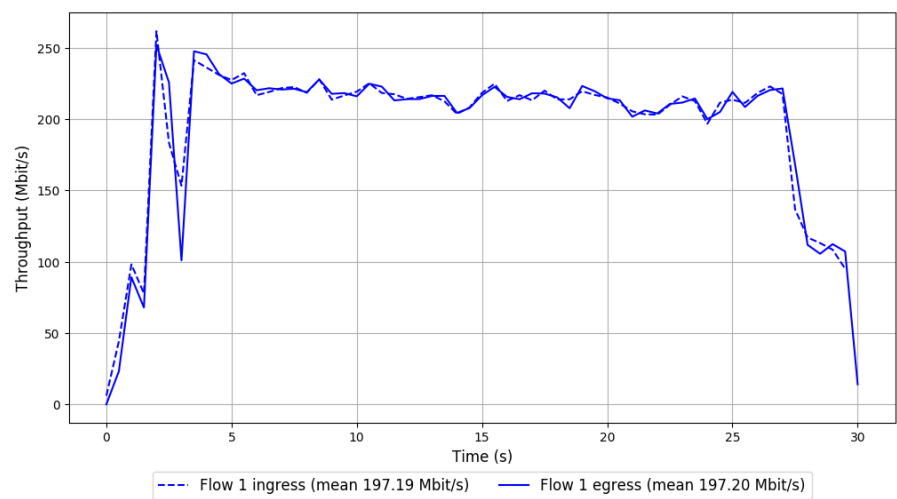
-- Flow 1:

Average throughput: 197.20 Mbit/s

95th percentile per-packet one-way delay: 114.240 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 09:48:37

End at: 2018-04-17 09:49:07

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.82 Mbit/s

95th percentile per-packet one-way delay: 115.112 ms

Loss rate: 0.00%

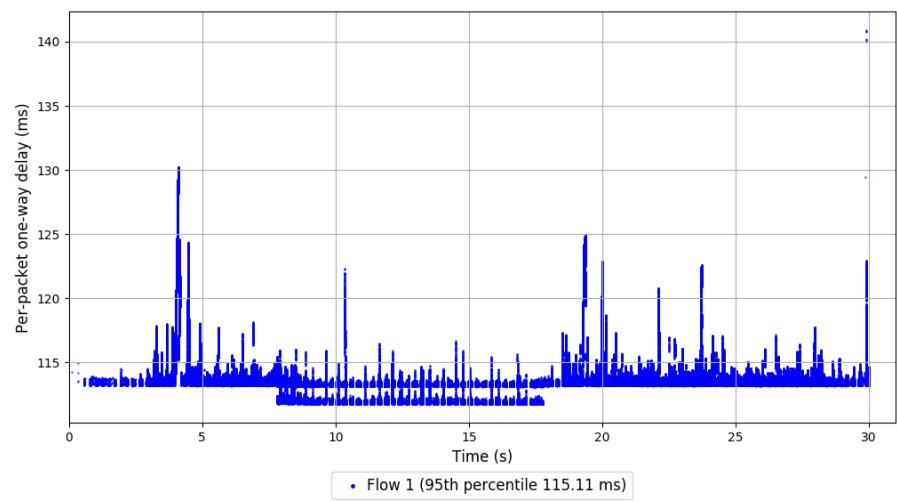
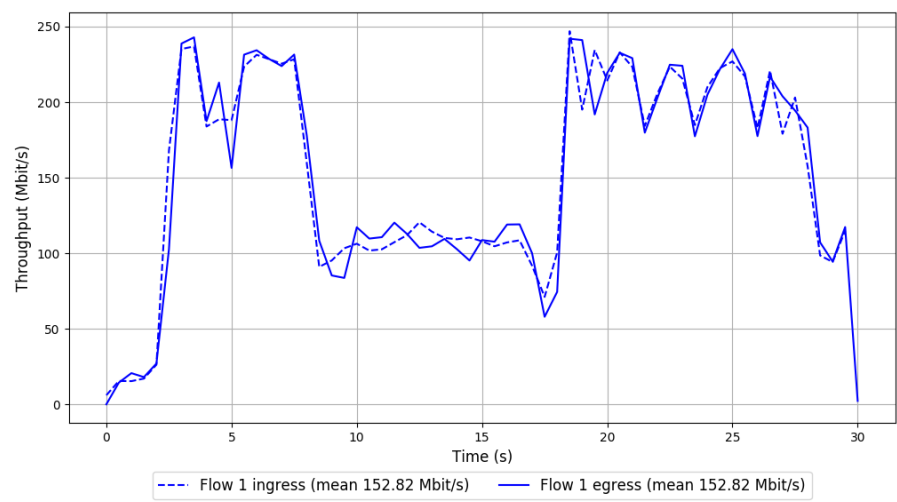
-- Flow 1:

Average throughput: 152.82 Mbit/s

95th percentile per-packet one-way delay: 115.112 ms

Loss rate: 0.00%

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

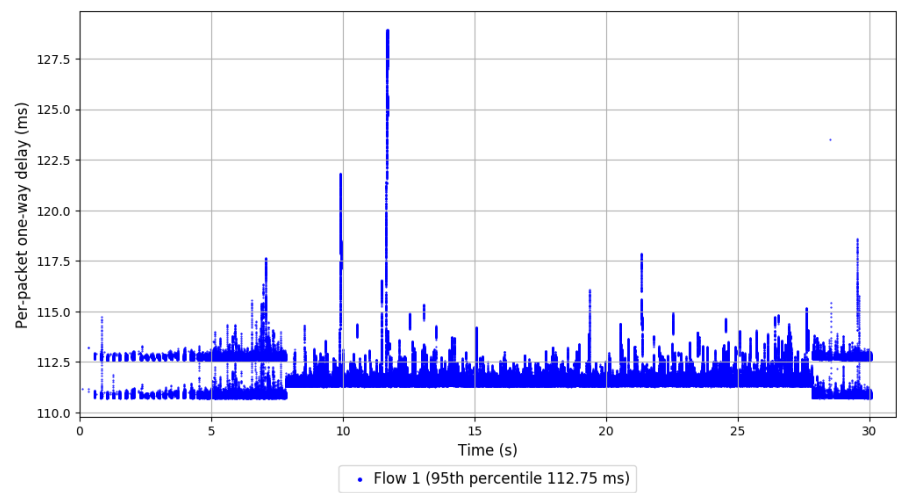
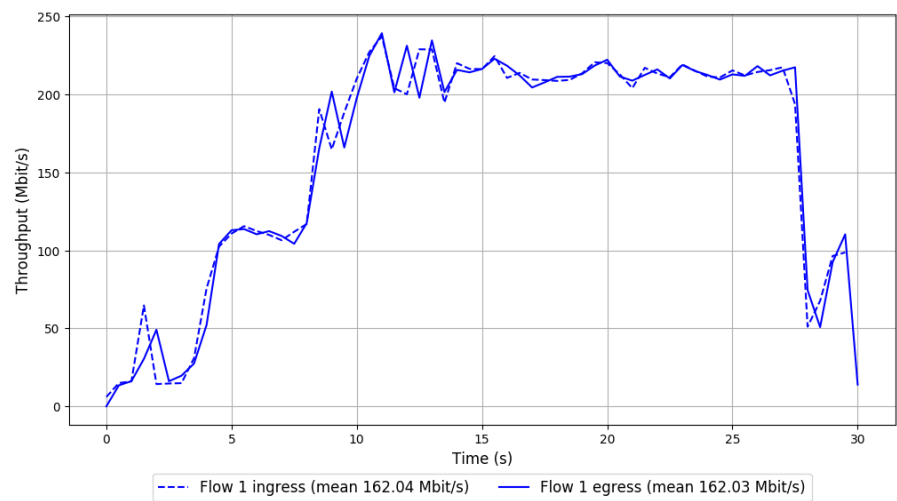


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 10:02:57
End at: 2018-04-17 10:03:27

# Below is generated by plot.py at 2018-04-17 11:36:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.03 Mbit/s
95th percentile per-packet one-way delay: 112.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.03 Mbit/s
95th percentile per-packet one-way delay: 112.745 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 08:01:56

End at: 2018-04-17 08:02:26

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.35 Mbit/s

95th percentile per-packet one-way delay: 115.206 ms

Loss rate: 0.00%

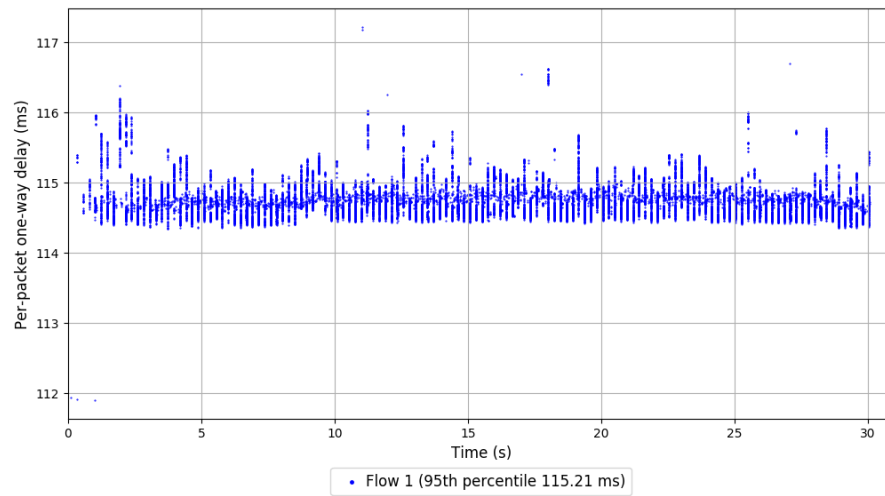
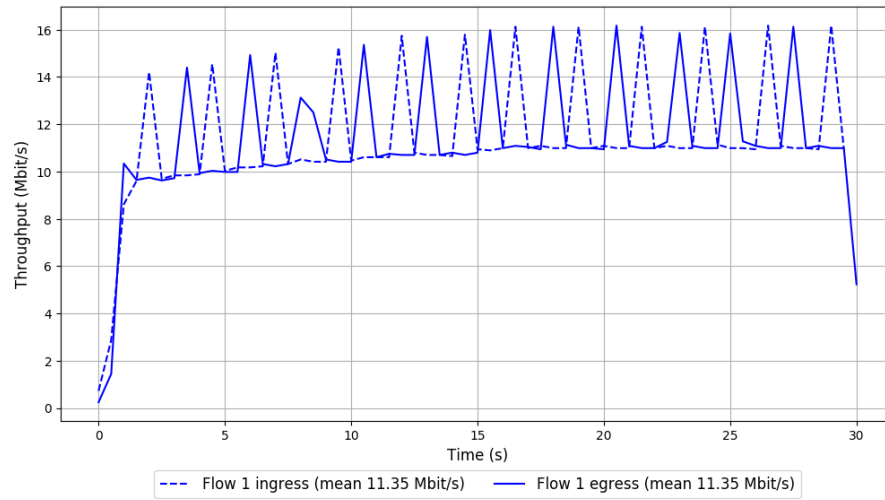
-- Flow 1:

Average throughput: 11.35 Mbit/s

95th percentile per-packet one-way delay: 115.206 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

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

End at: 2018-04-17 08:16:34

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.70 Mbit/s

95th percentile per-packet one-way delay: 115.248 ms

Loss rate: 0.00%

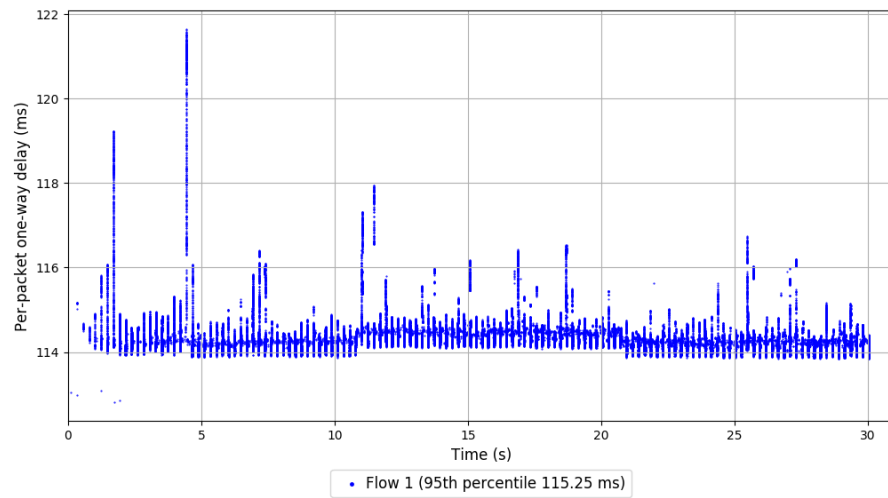
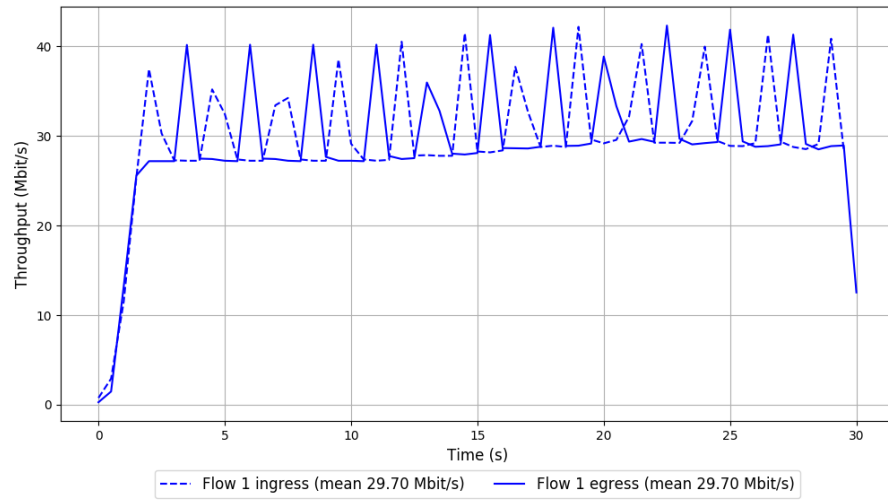
-- Flow 1:

Average throughput: 29.70 Mbit/s

95th percentile per-packet one-way delay: 115.248 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 08:30:02

End at: 2018-04-17 08:30:32

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.50 Mbit/s

95th percentile per-packet one-way delay: 112.938 ms

Loss rate: 0.00%

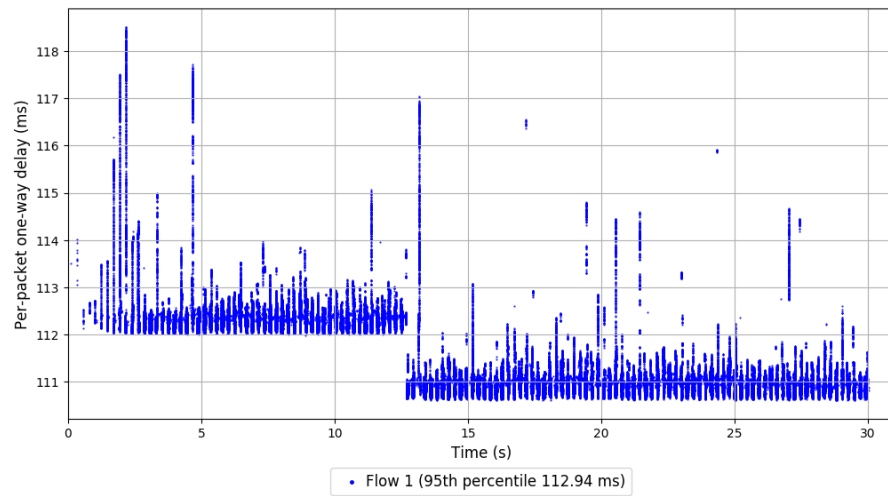
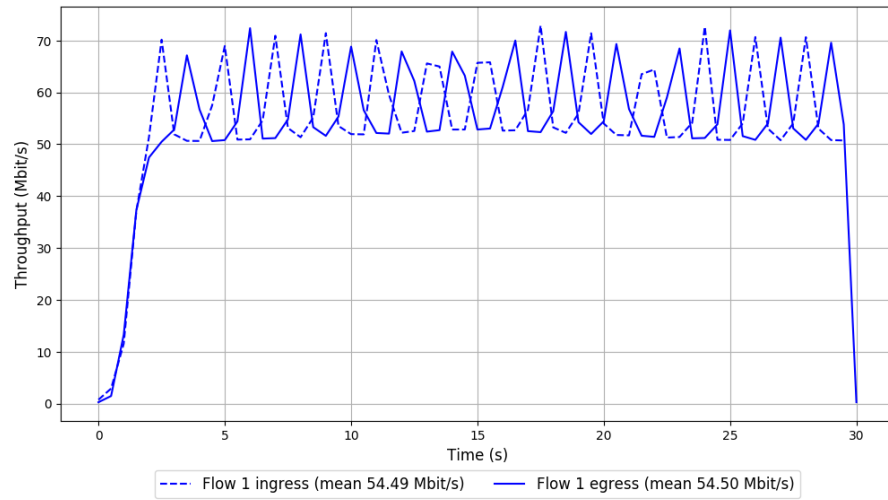
-- Flow 1:

Average throughput: 54.50 Mbit/s

95th percentile per-packet one-way delay: 112.938 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 08:44:10

End at: 2018-04-17 08:44:40

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.16 Mbit/s

95th percentile per-packet one-way delay: 112.649 ms

Loss rate: 0.00%

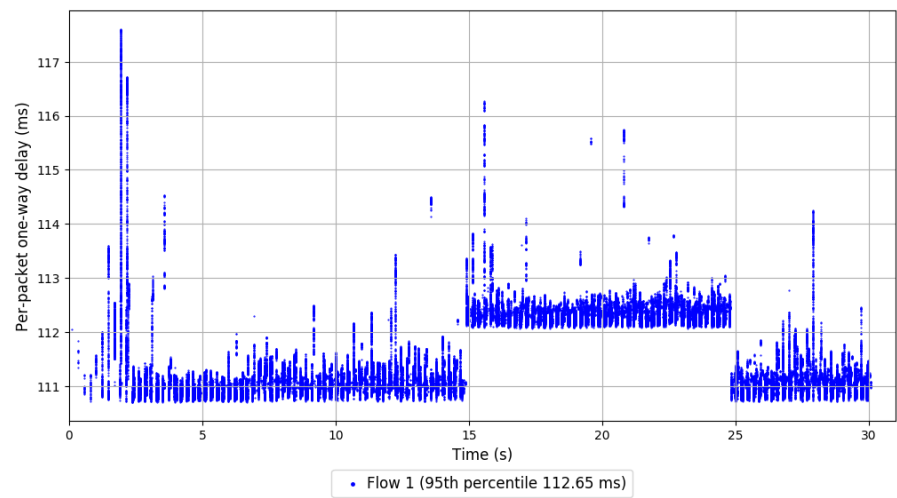
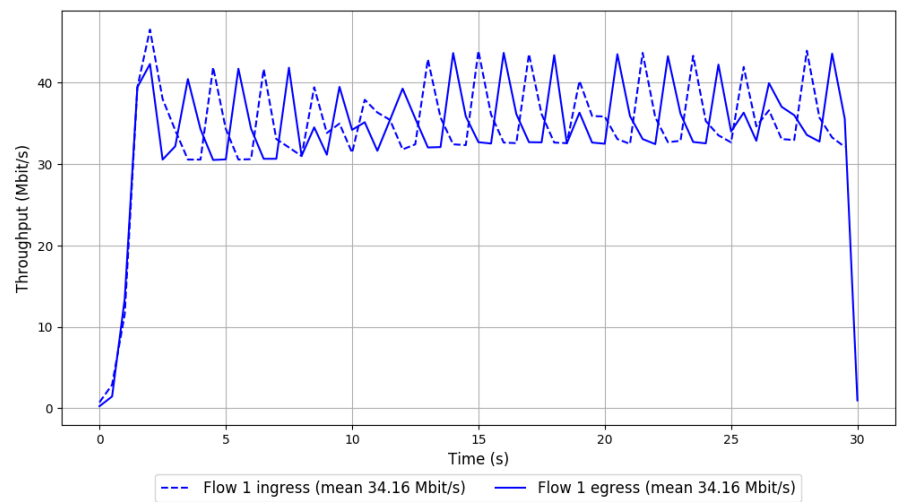
-- Flow 1:

Average throughput: 34.16 Mbit/s

95th percentile per-packet one-way delay: 112.649 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 08:58:05

End at: 2018-04-17 08:58:35

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 112.976 ms

Loss rate: 0.00%

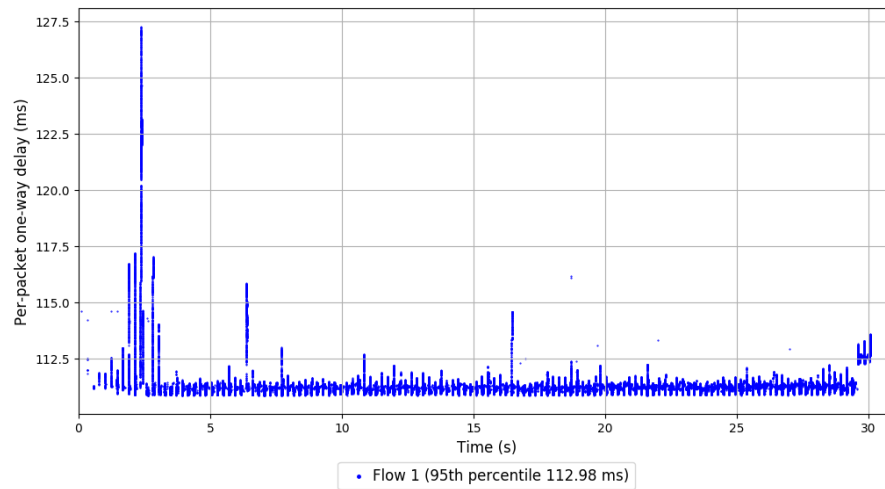
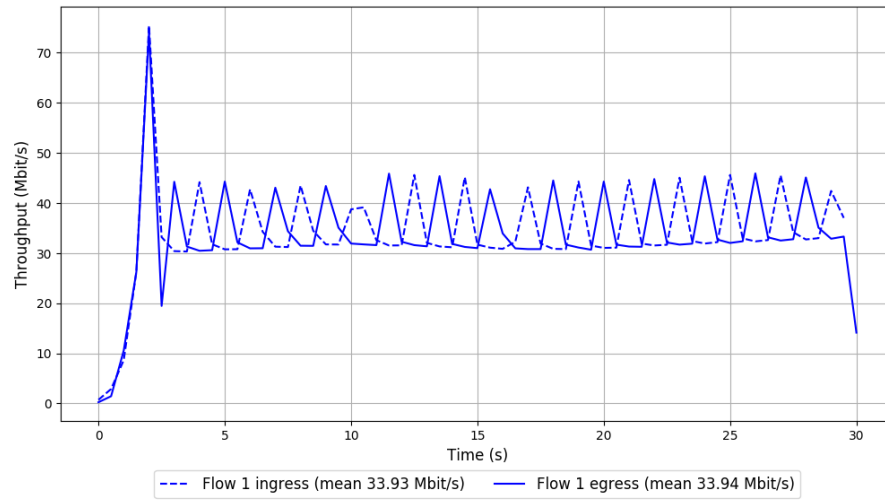
-- Flow 1:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 112.976 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 09:12:06

End at: 2018-04-17 09:12:36

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.64 Mbit/s

95th percentile per-packet one-way delay: 122.458 ms

Loss rate: 0.00%

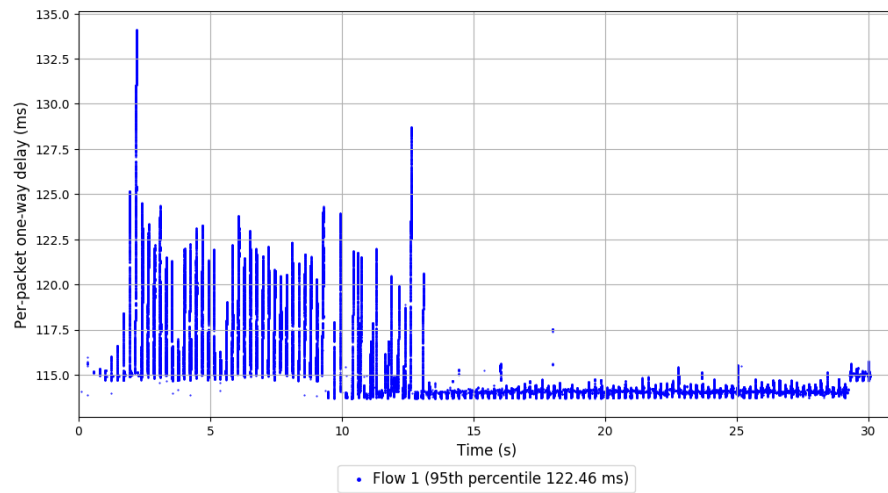
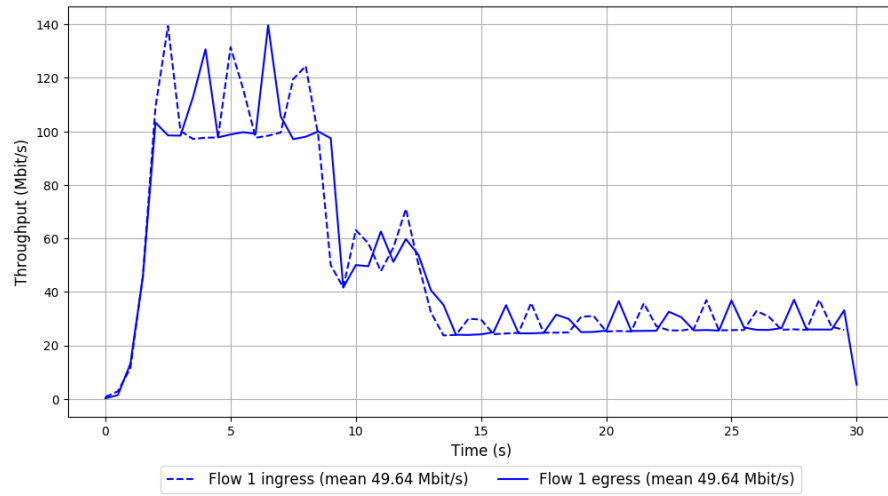
-- Flow 1:

Average throughput: 49.64 Mbit/s

95th percentile per-packet one-way delay: 122.458 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 09:26:23

End at: 2018-04-17 09:26:53

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 115.040 ms

Loss rate: 0.00%

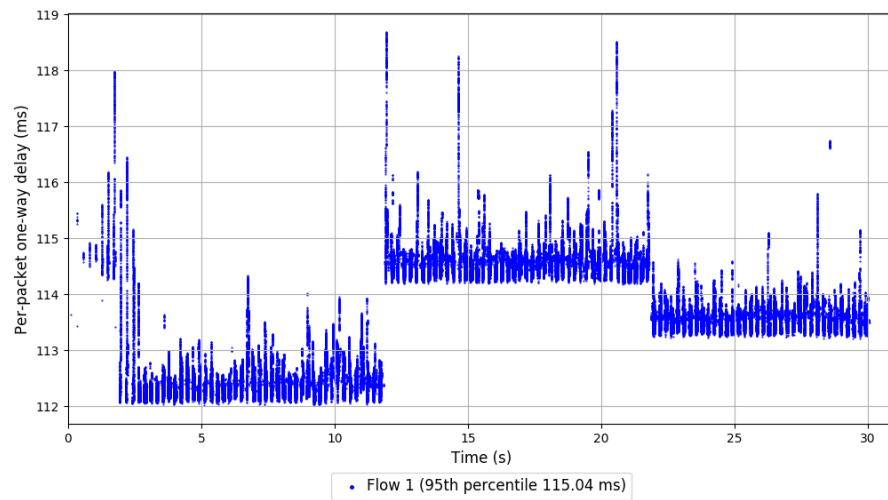
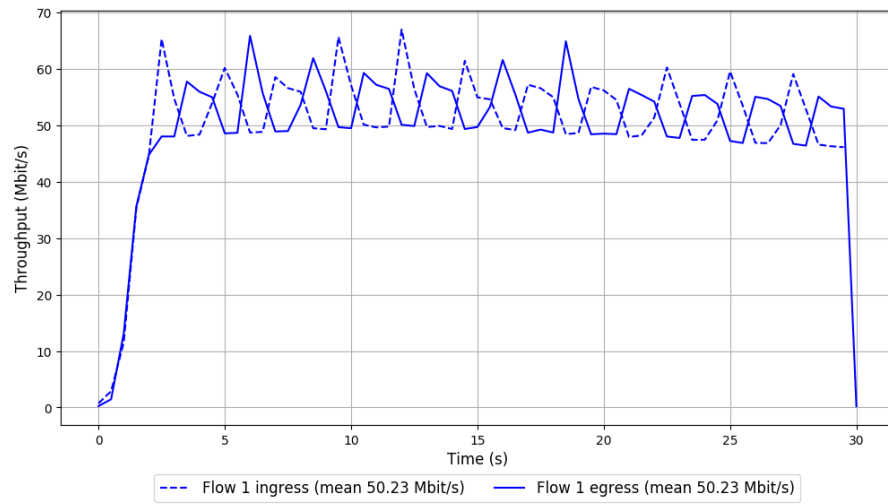
-- Flow 1:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 115.040 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 09:40:41

End at: 2018-04-17 09:41:11

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.42 Mbit/s

95th percentile per-packet one-way delay: 114.349 ms

Loss rate: 0.00%

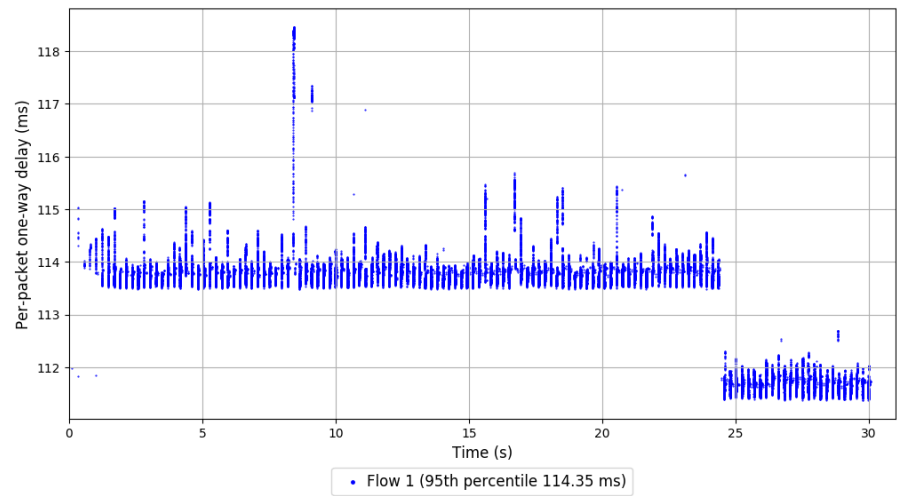
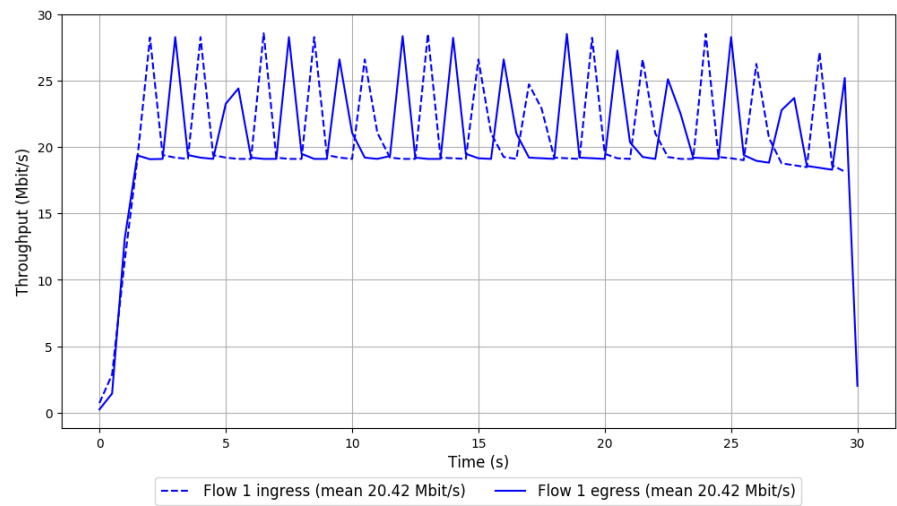
-- Flow 1:

Average throughput: 20.42 Mbit/s

95th percentile per-packet one-way delay: 114.349 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 09:54:46

End at: 2018-04-17 09:55:16

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 113.417 ms

Loss rate: 0.00%

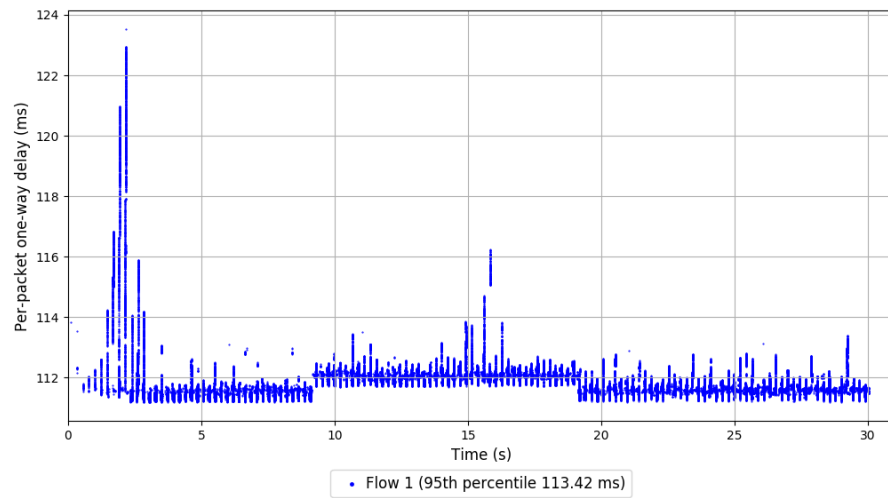
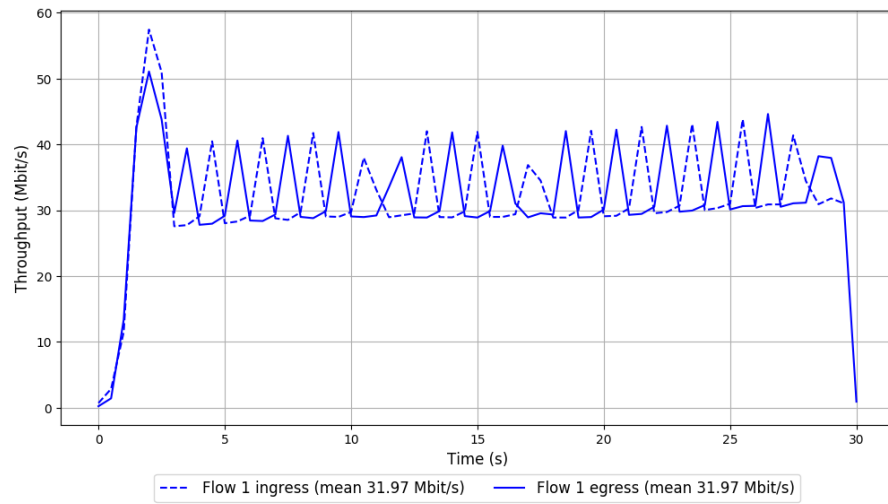
-- Flow 1:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 113.417 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 10:09:06

End at: 2018-04-17 10:09:36

Below is generated by plot.py at 2018-04-17 11:36:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.08 Mbit/s

95th percentile per-packet one-way delay: 114.663 ms

Loss rate: 0.00%

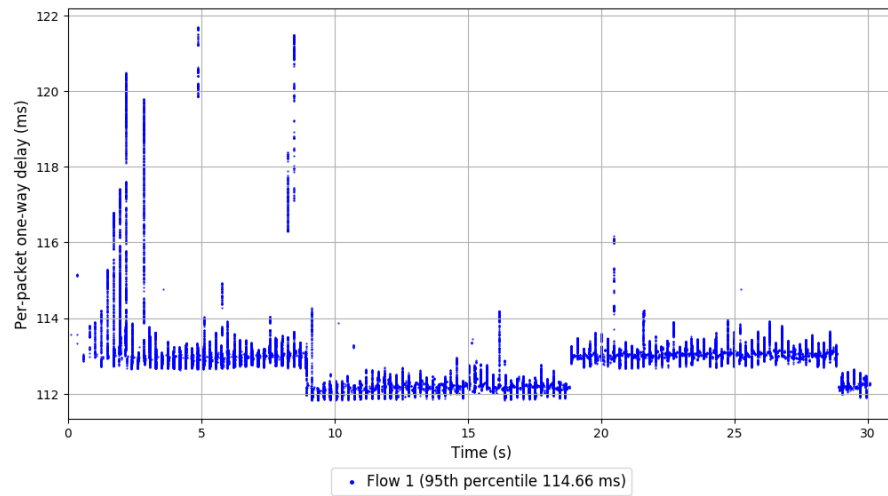
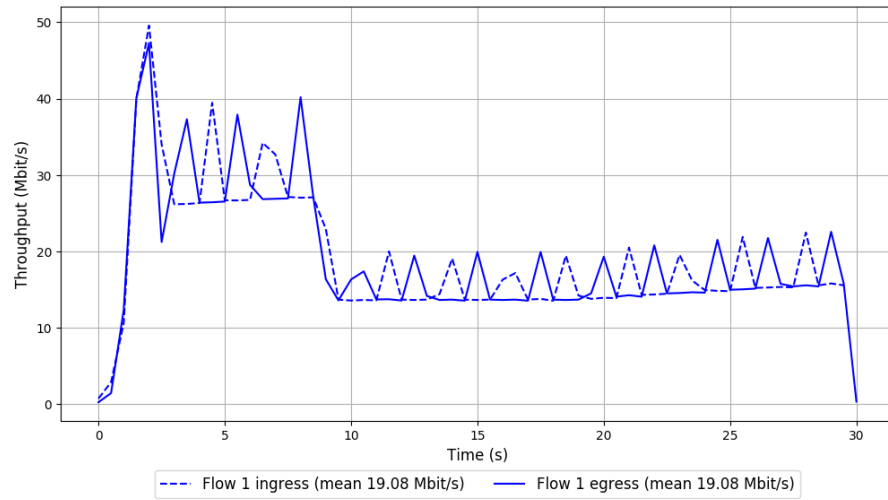
-- Flow 1:

Average throughput: 19.08 Mbit/s

95th percentile per-packet one-way delay: 114.663 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-17 07:54:22

End at: 2018-04-17 07:54:52

Below is generated by plot.py at 2018-04-17 11:37:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.10 Mbit/s

95th percentile per-packet one-way delay: 122.502 ms

Loss rate: 0.00%

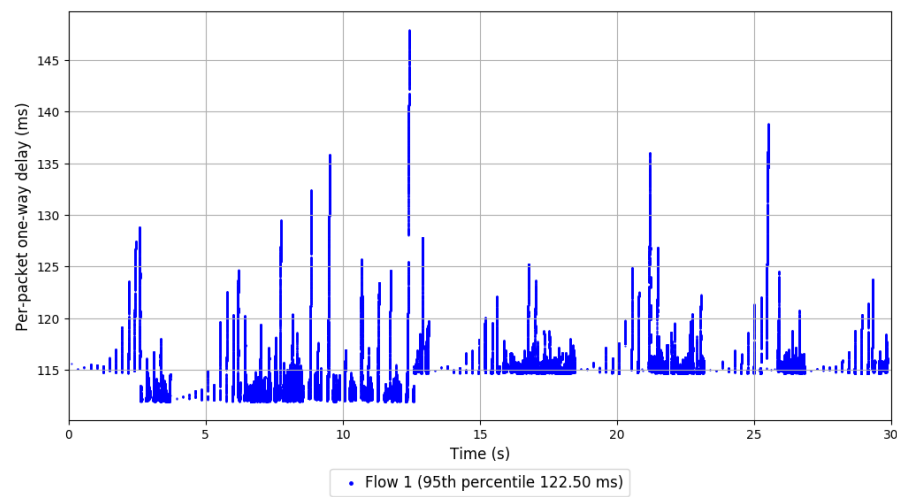
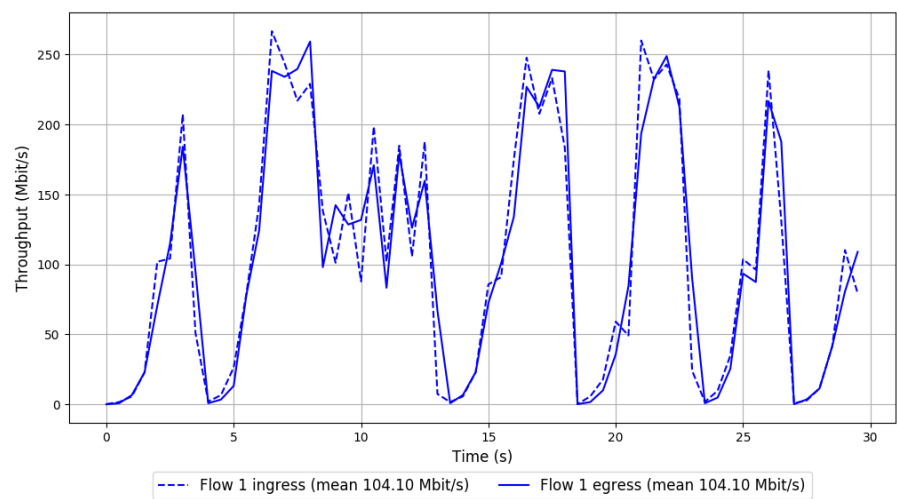
-- Flow 1:

Average throughput: 104.10 Mbit/s

95th percentile per-packet one-way delay: 122.502 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

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

End at: 2018-04-17 08:08:55

Below is generated by plot.py at 2018-04-17 11:38:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.90 Mbit/s

95th percentile per-packet one-way delay: 217.689 ms

Loss rate: 1.17%

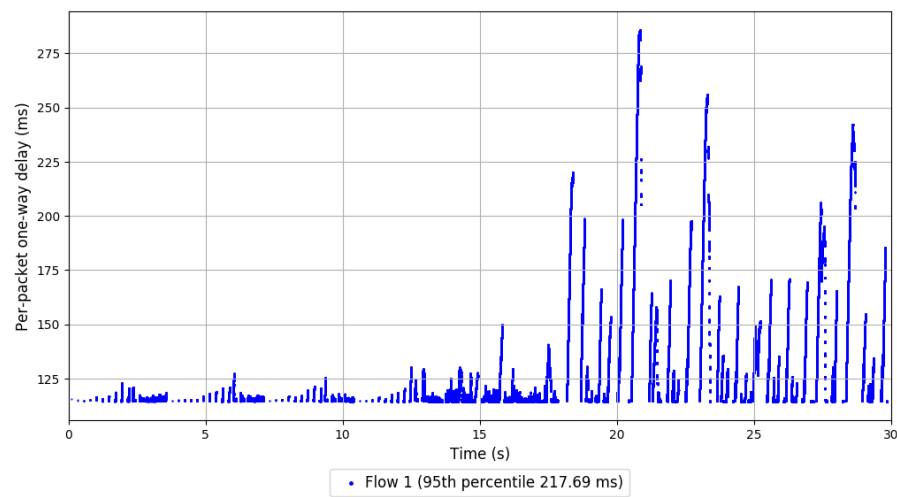
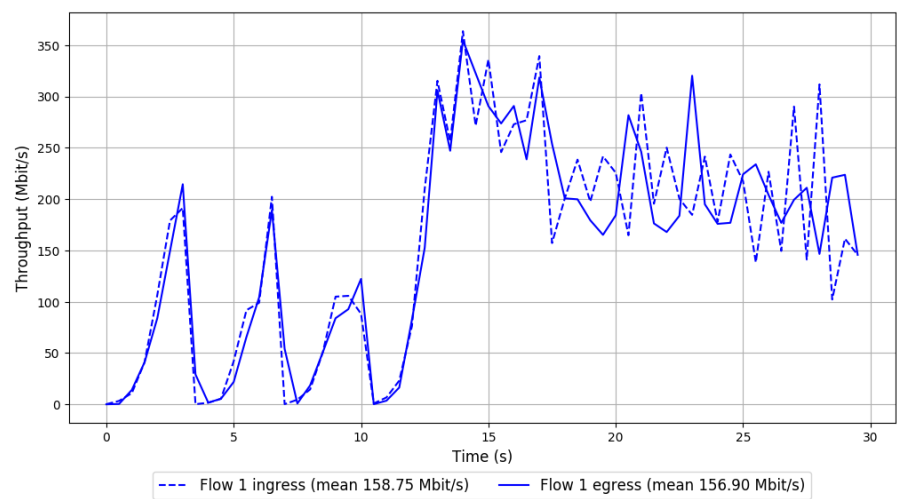
-- Flow 1:

Average throughput: 156.90 Mbit/s

95th percentile per-packet one-way delay: 217.689 ms

Loss rate: 1.17%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-17 08:22:32

End at: 2018-04-17 08:23:02

Below is generated by plot.py at 2018-04-17 11:38:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.05 Mbit/s

95th percentile per-packet one-way delay: 222.668 ms

Loss rate: 0.83%

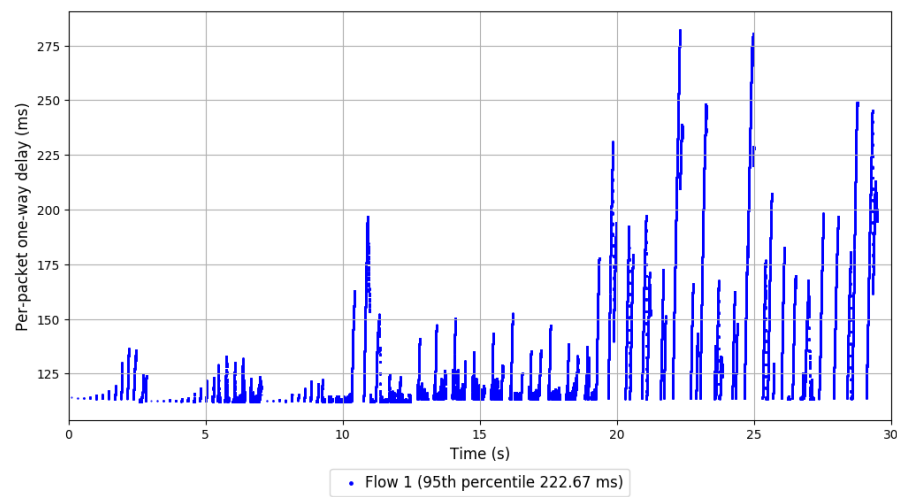
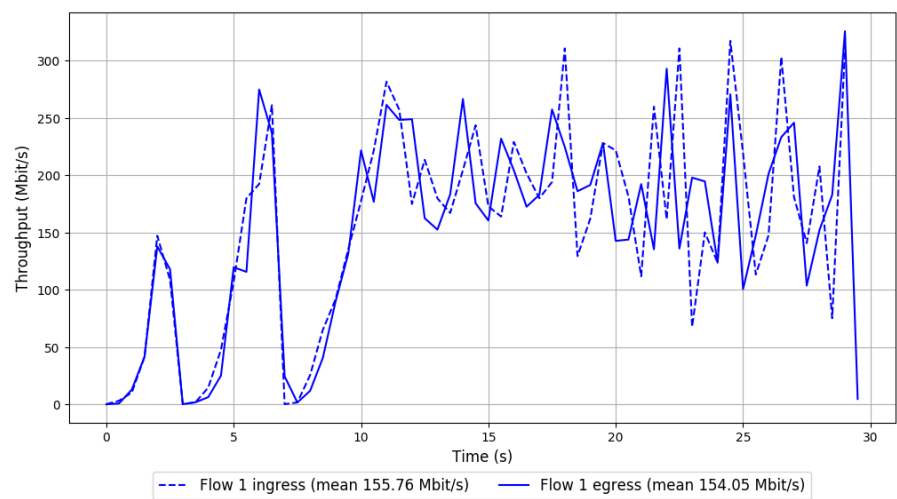
-- Flow 1:

Average throughput: 154.05 Mbit/s

95th percentile per-packet one-way delay: 222.668 ms

Loss rate: 0.83%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-17 08:36:34

End at: 2018-04-17 08:37:04

Below is generated by plot.py at 2018-04-17 11:39:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.68 Mbit/s

95th percentile per-packet one-way delay: 177.247 ms

Loss rate: 0.63%

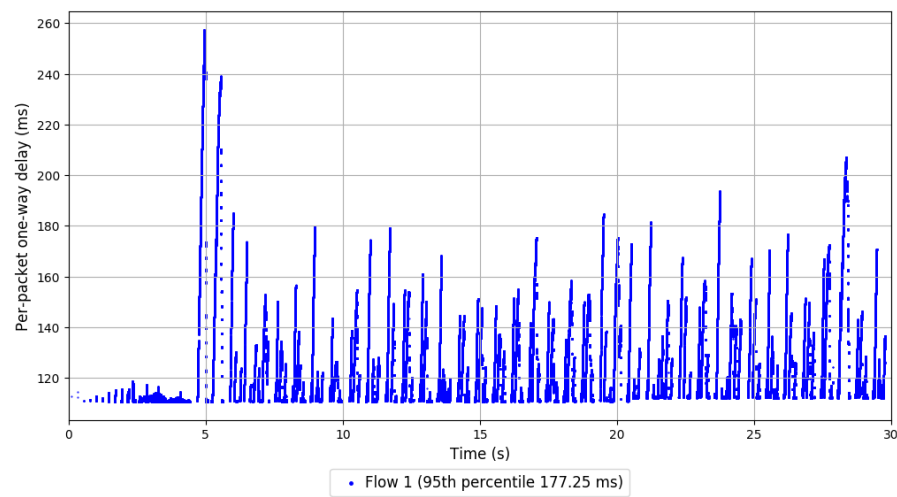
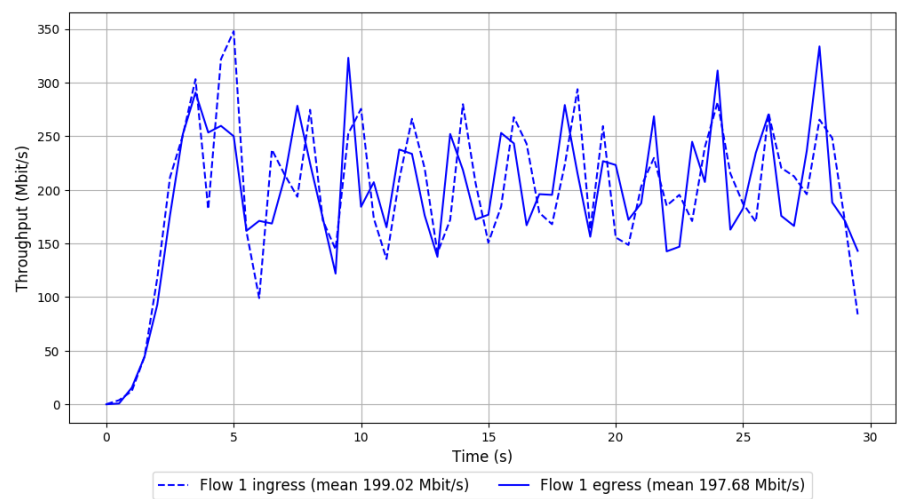
-- Flow 1:

Average throughput: 197.68 Mbit/s

95th percentile per-packet one-way delay: 177.247 ms

Loss rate: 0.63%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 08:50:43

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

Below is generated by plot.py at 2018-04-17 11:39:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.90 Mbit/s

95th percentile per-packet one-way delay: 128.521 ms

Loss rate: 0.08%

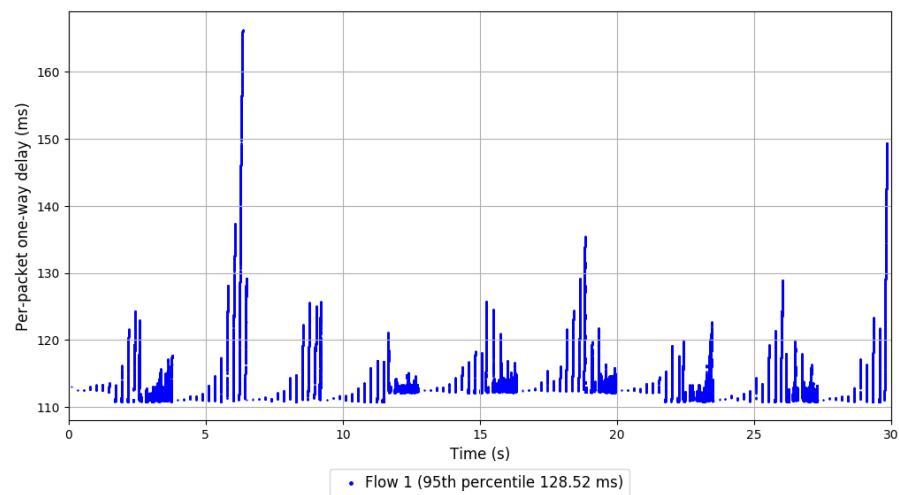
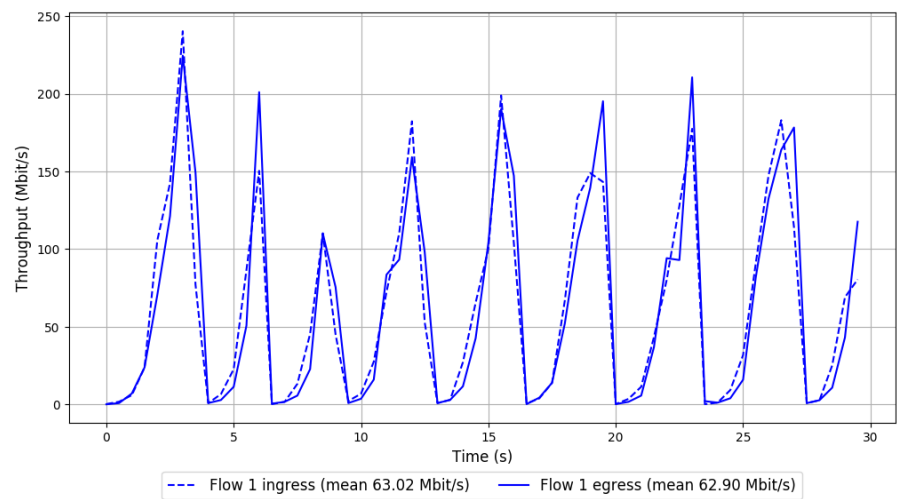
-- Flow 1:

Average throughput: 62.90 Mbit/s

95th percentile per-packet one-way delay: 128.521 ms

Loss rate: 0.08%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-17 09:04:38

End at: 2018-04-17 09:05:08

Below is generated by plot.py at 2018-04-17 11:39:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.33 Mbit/s

95th percentile per-packet one-way delay: 148.625 ms

Loss rate: 0.00%

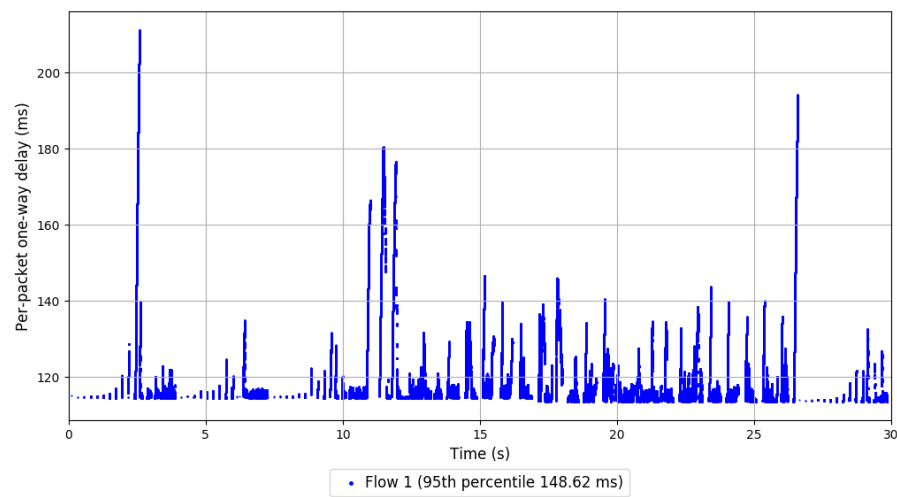
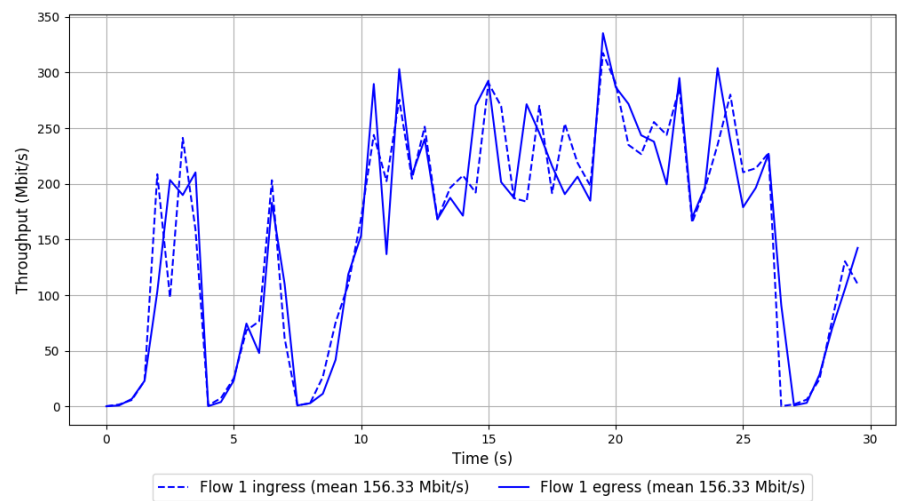
-- Flow 1:

Average throughput: 156.33 Mbit/s

95th percentile per-packet one-way delay: 148.625 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-17 09:18:37

End at: 2018-04-17 09:19:07

Below is generated by plot.py at 2018-04-17 11:39:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 138.222 ms

Loss rate: 0.00%

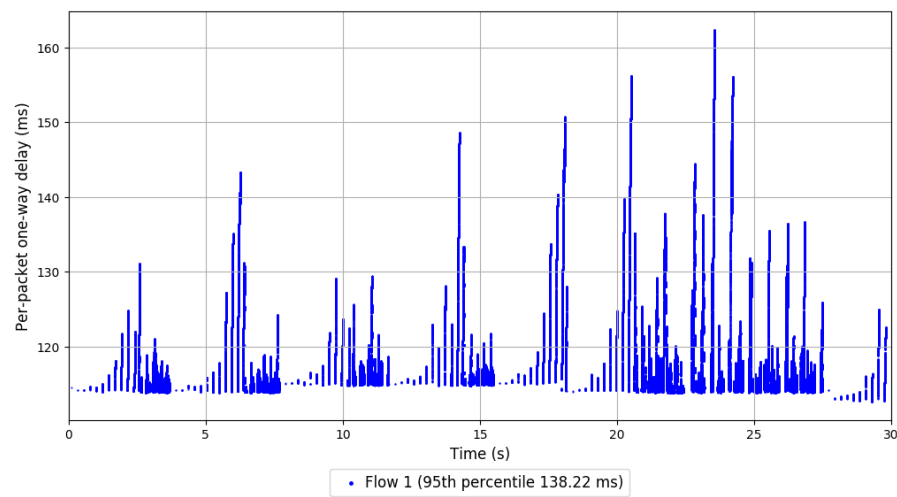
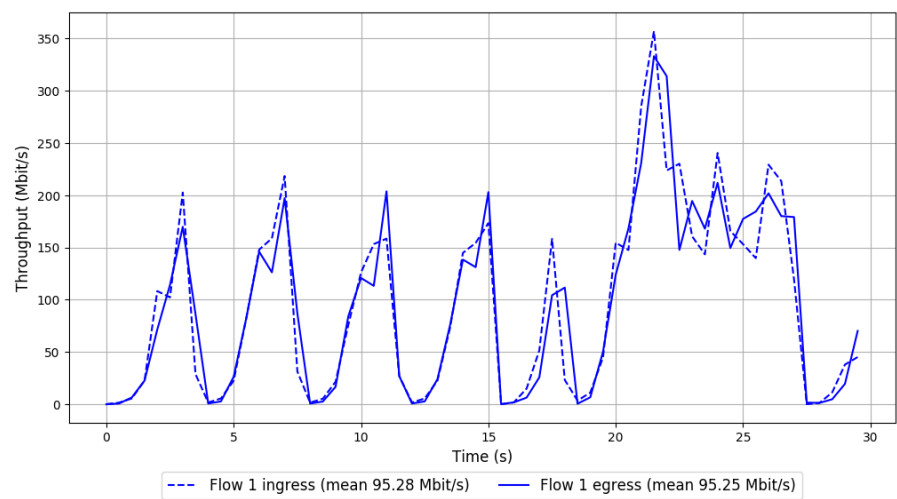
-- Flow 1:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 138.222 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 09:32:53

End at: 2018-04-17 09:33:23

Below is generated by plot.py at 2018-04-17 11:40:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.42 Mbit/s

95th percentile per-packet one-way delay: 135.489 ms

Loss rate: 0.00%

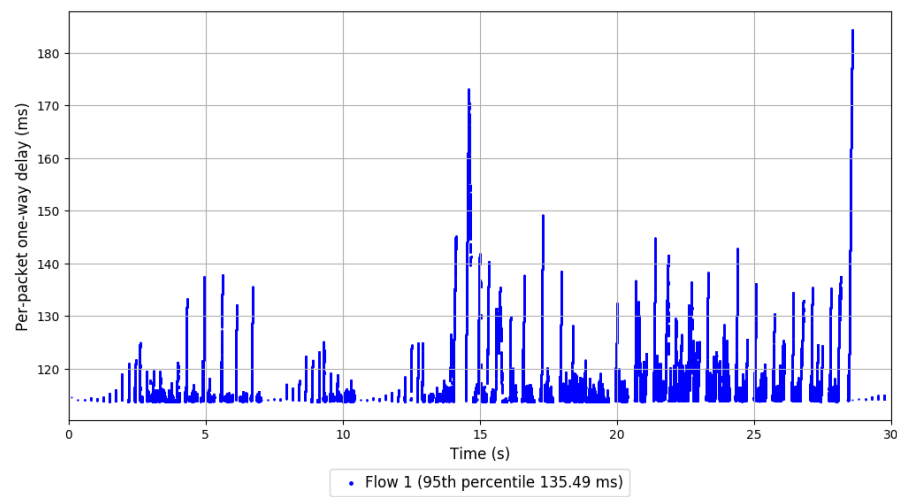
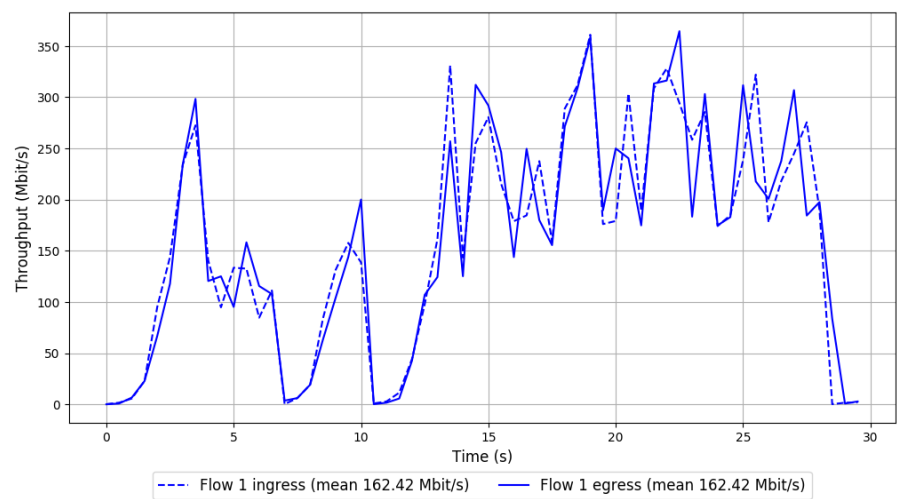
-- Flow 1:

Average throughput: 162.42 Mbit/s

95th percentile per-packet one-way delay: 135.489 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 09:47:10

End at: 2018-04-17 09:47:40

Below is generated by plot.py at 2018-04-17 11:40:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.82 Mbit/s

95th percentile per-packet one-way delay: 122.158 ms

Loss rate: 0.30%

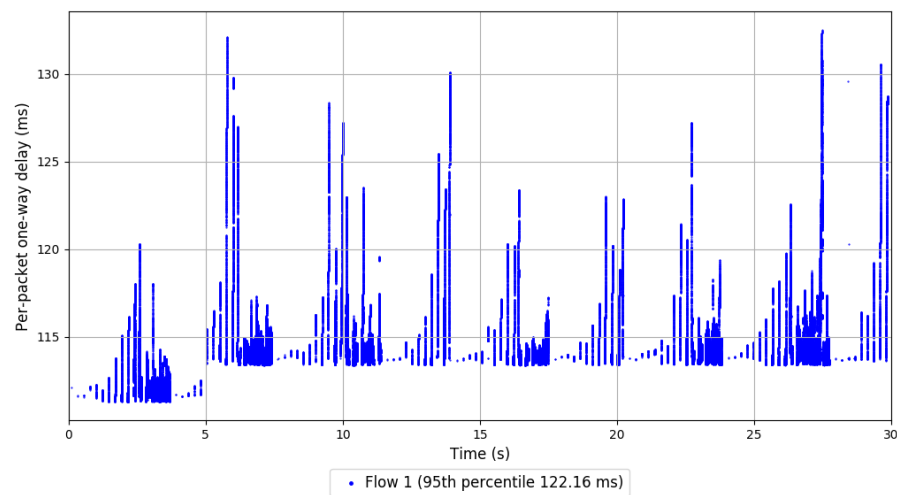
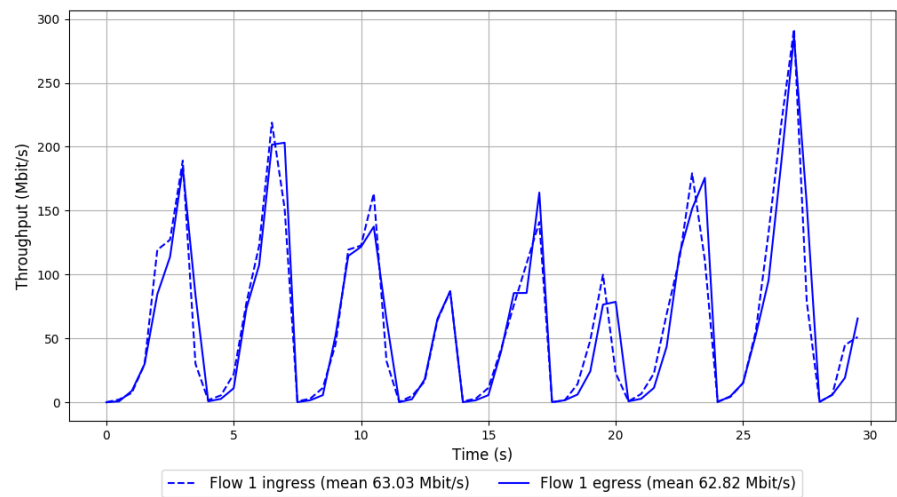
-- Flow 1:

Average throughput: 62.82 Mbit/s

95th percentile per-packet one-way delay: 122.158 ms

Loss rate: 0.30%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 10:01:18

End at: 2018-04-17 10:01:48

Below is generated by plot.py at 2018-04-17 11:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.21 Mbit/s

95th percentile per-packet one-way delay: 314.742 ms

Loss rate: 22.86%

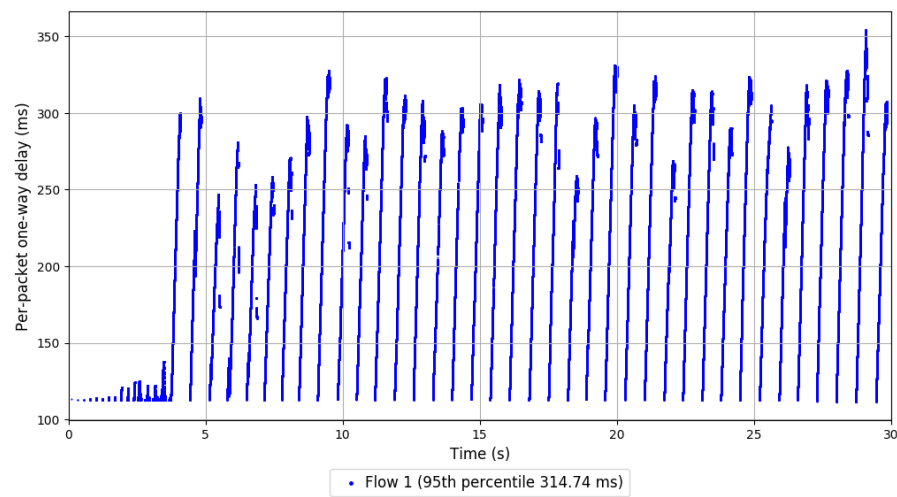
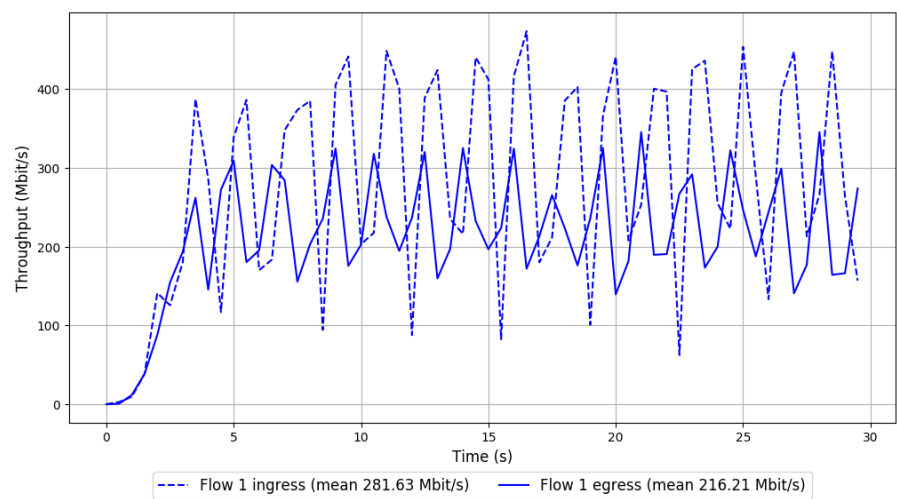
-- Flow 1:

Average throughput: 216.21 Mbit/s

95th percentile per-packet one-way delay: 314.742 ms

Loss rate: 22.86%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-17 07:52:06

End at: 2018-04-17 07:52:36

Below is generated by plot.py at 2018-04-17 11:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.76 Mbit/s

95th percentile per-packet one-way delay: 116.149 ms

Loss rate: 0.00%

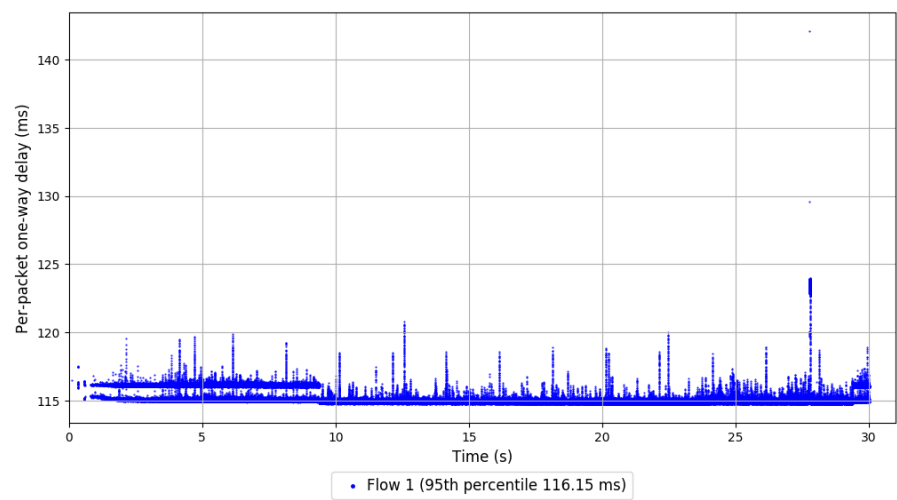
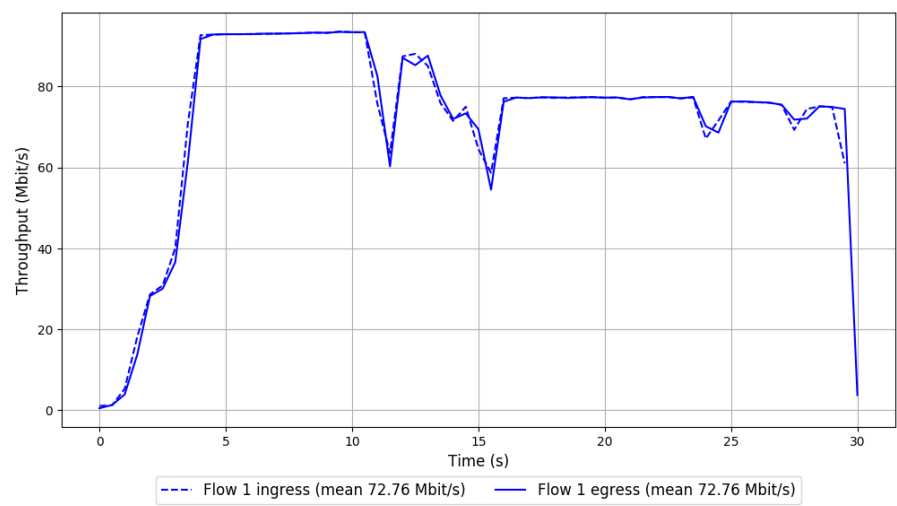
-- Flow 1:

Average throughput: 72.76 Mbit/s

95th percentile per-packet one-way delay: 116.149 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-17 08:06:05

End at: 2018-04-17 08:06:35

Below is generated by plot.py at 2018-04-17 11:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.81 Mbit/s

95th percentile per-packet one-way delay: 115.360 ms

Loss rate: 0.00%

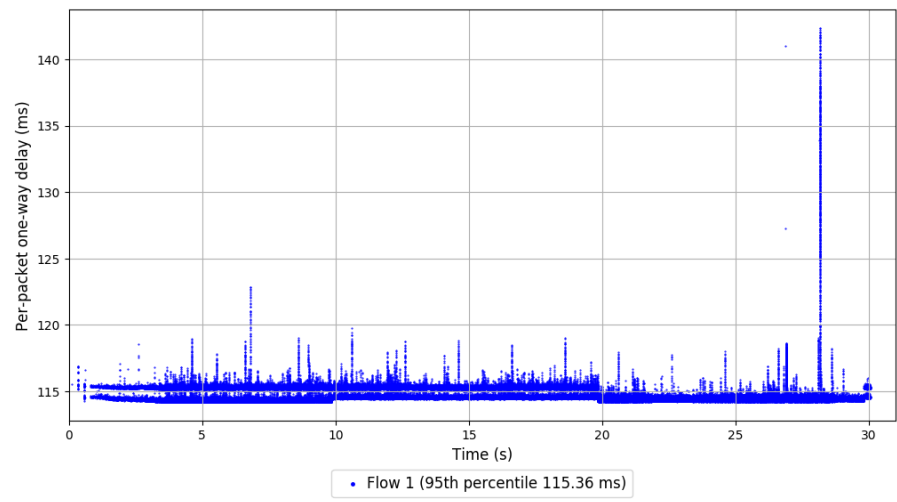
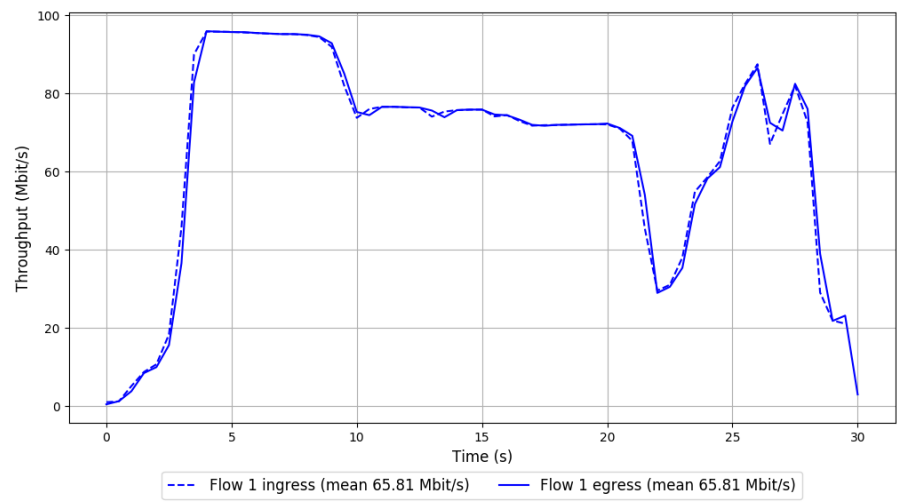
-- Flow 1:

Average throughput: 65.81 Mbit/s

95th percentile per-packet one-way delay: 115.360 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-17 08:20:15

End at: 2018-04-17 08:20:45

Below is generated by plot.py at 2018-04-17 11:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 113.864 ms

Loss rate: 0.00%

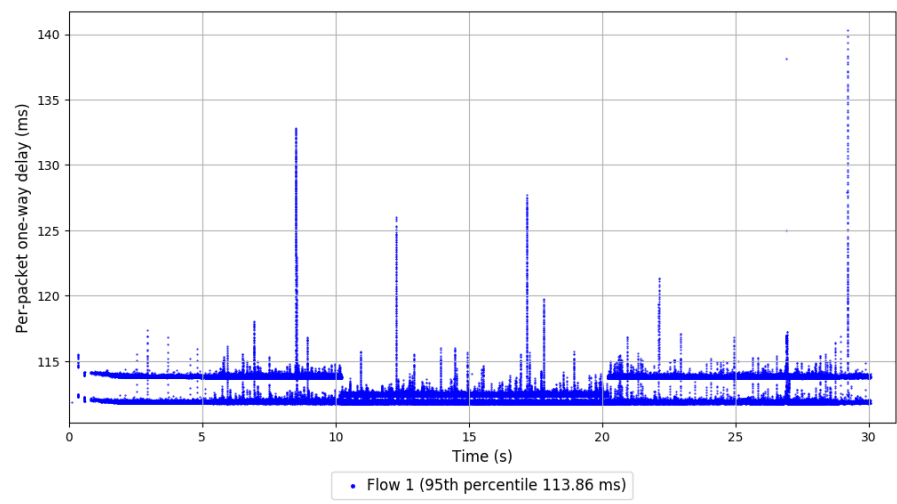
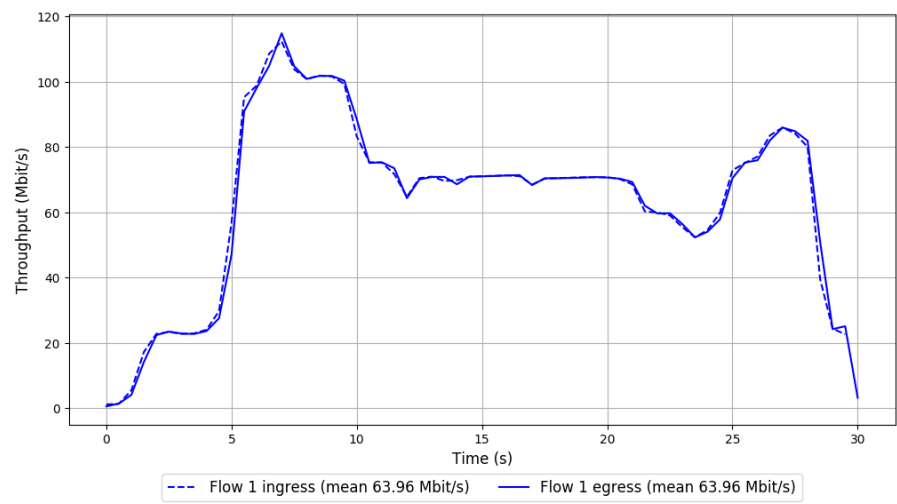
-- Flow 1:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 113.864 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-17 08:34:15

End at: 2018-04-17 08:34:45

Below is generated by plot.py at 2018-04-17 11:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.75 Mbit/s

95th percentile per-packet one-way delay: 113.612 ms

Loss rate: 0.00%

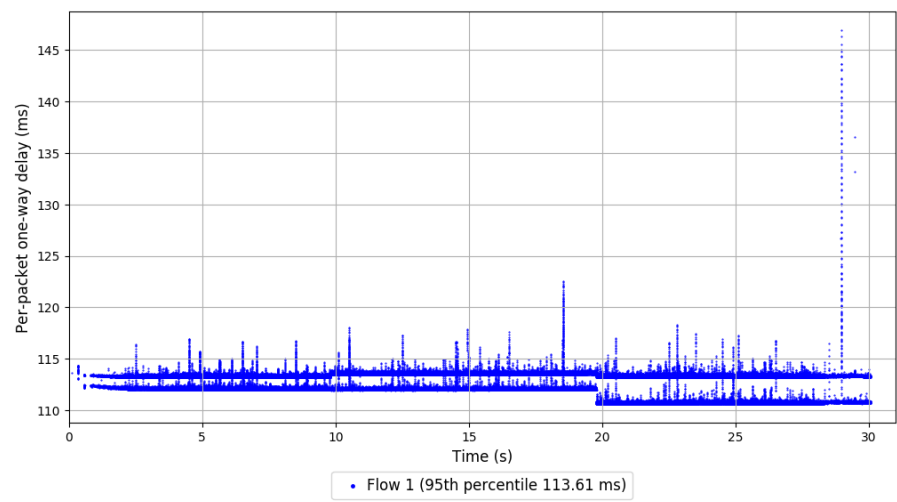
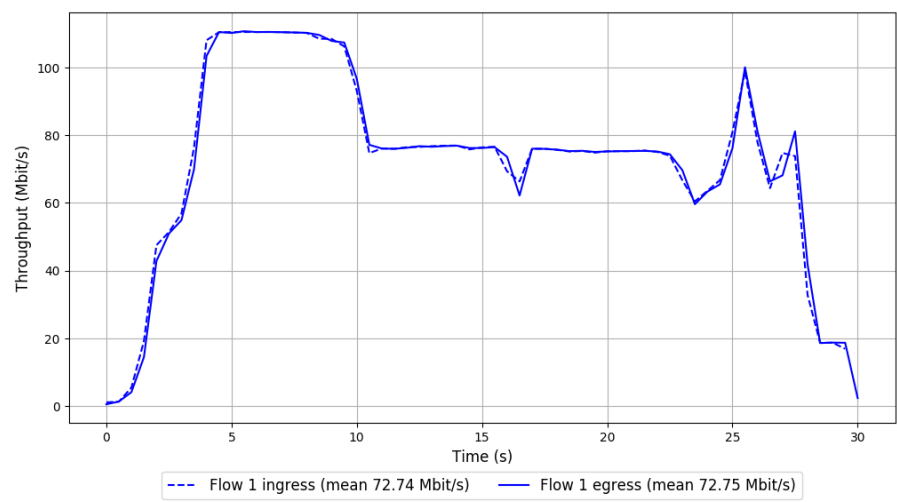
-- Flow 1:

Average throughput: 72.75 Mbit/s

95th percentile per-packet one-way delay: 113.612 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-17 08:48:27

End at: 2018-04-17 08:48:57

Below is generated by plot.py at 2018-04-17 11:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.79 Mbit/s

95th percentile per-packet one-way delay: 114.119 ms

Loss rate: 0.00%

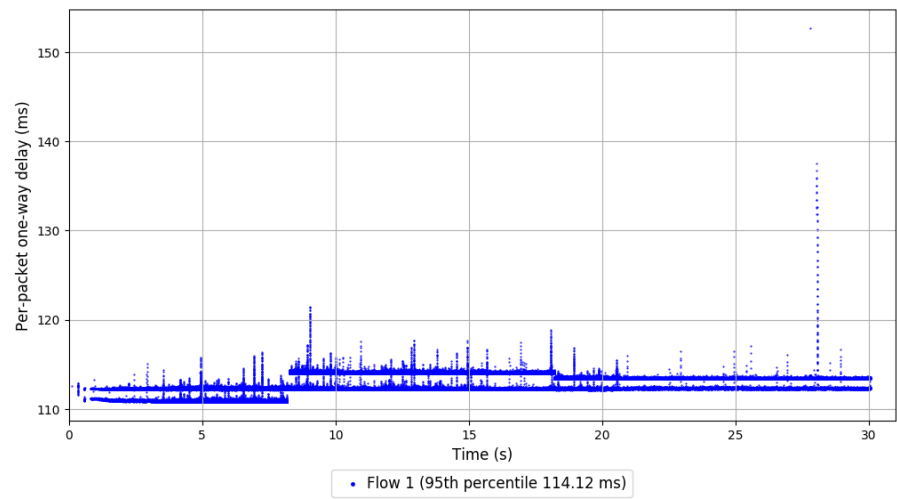
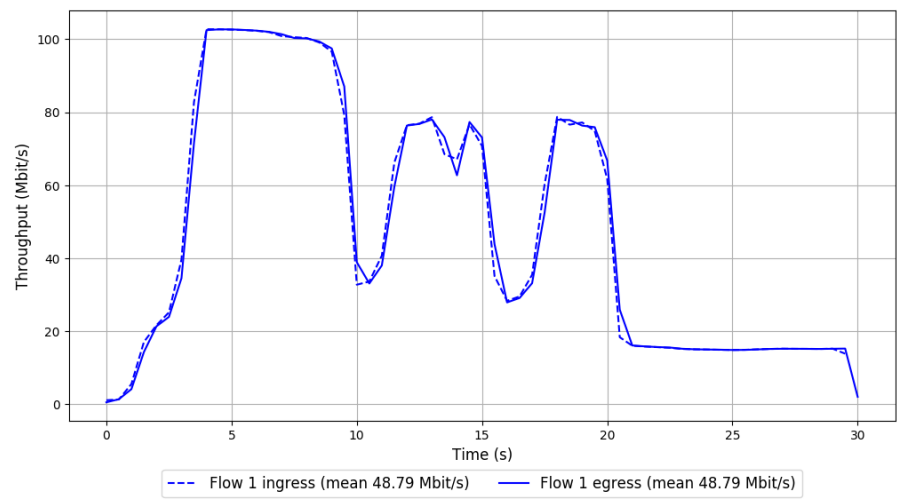
-- Flow 1:

Average throughput: 48.79 Mbit/s

95th percentile per-packet one-way delay: 114.119 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-17 09:02:18

End at: 2018-04-17 09:02:48

Below is generated by plot.py at 2018-04-17 11:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 114.176 ms

Loss rate: 0.00%

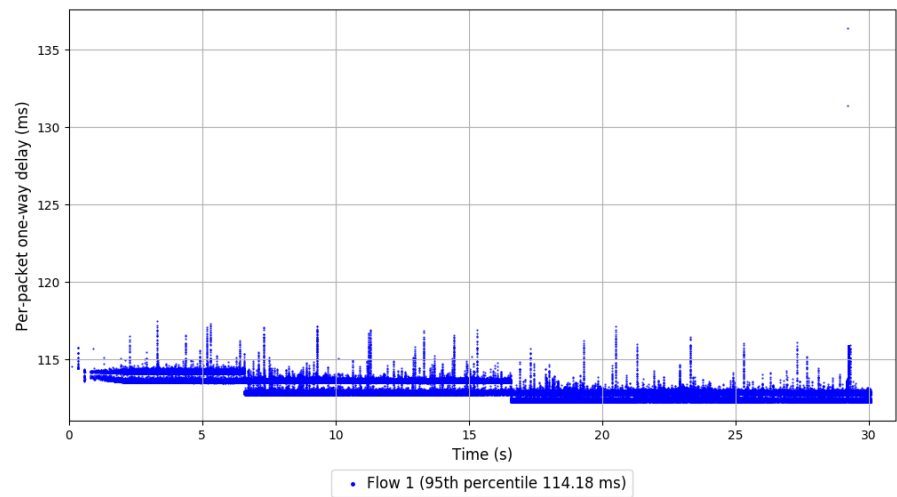
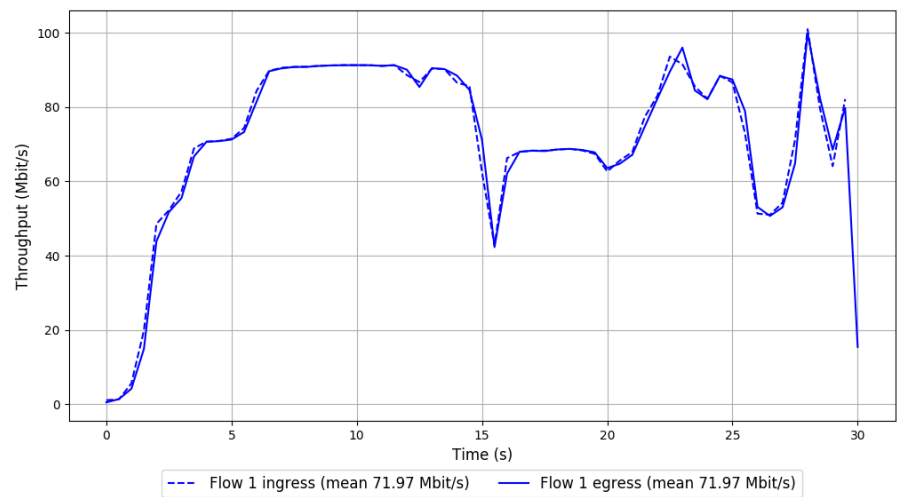
-- Flow 1:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 114.176 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-17 09:16:18

End at: 2018-04-17 09:16:48

Below is generated by plot.py at 2018-04-17 11:42:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 115.002 ms

Loss rate: 0.00%

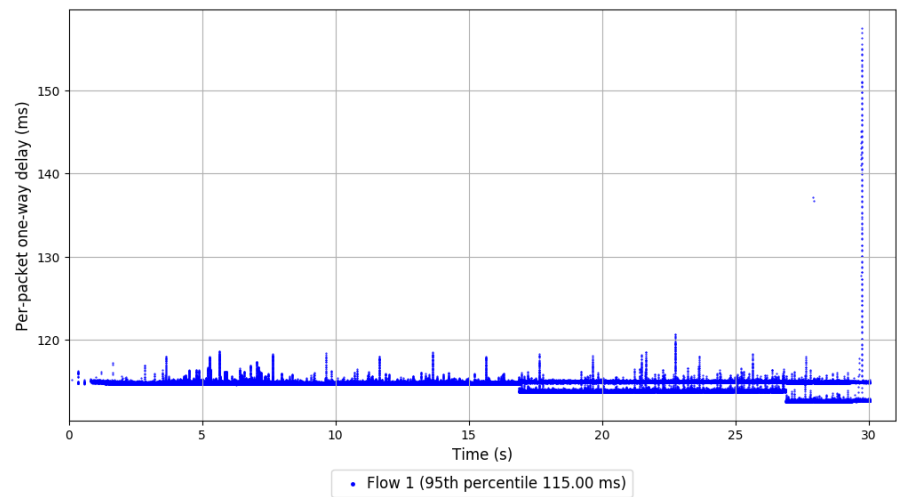
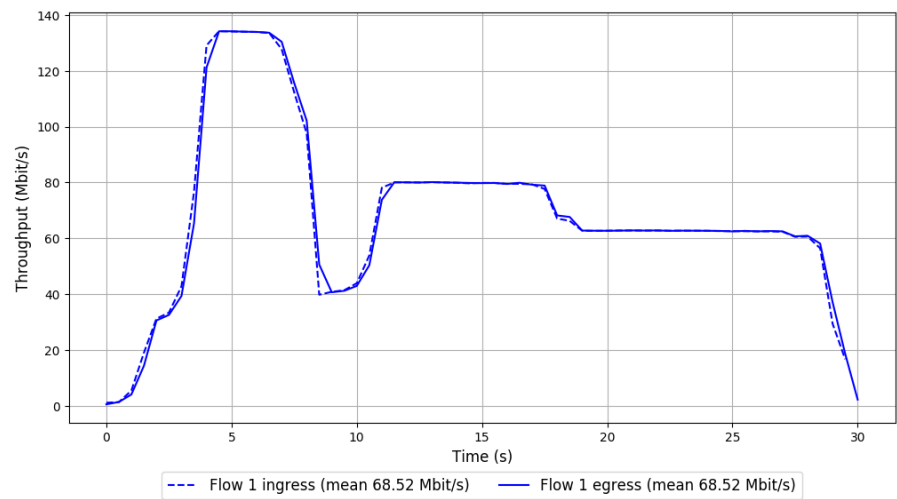
-- Flow 1:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 115.002 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 09:30:35

End at: 2018-04-17 09:31:05

Below is generated by plot.py at 2018-04-17 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 113.994 ms

Loss rate: 0.00%

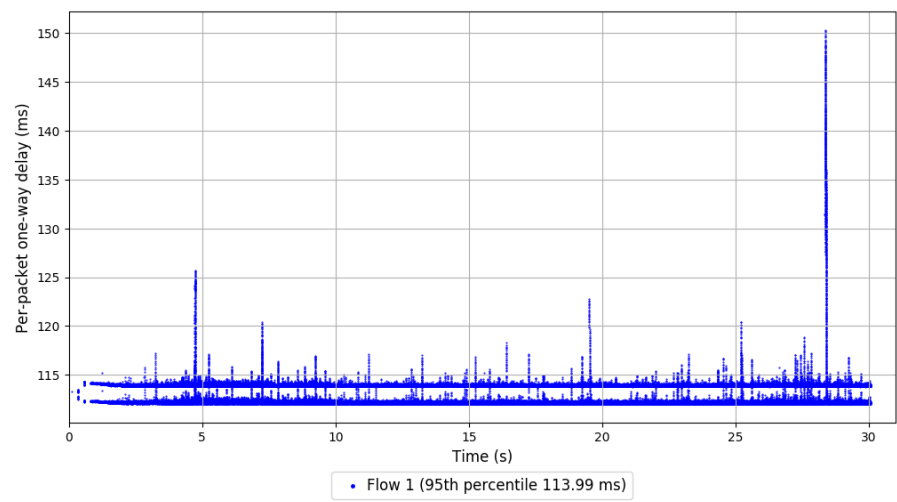
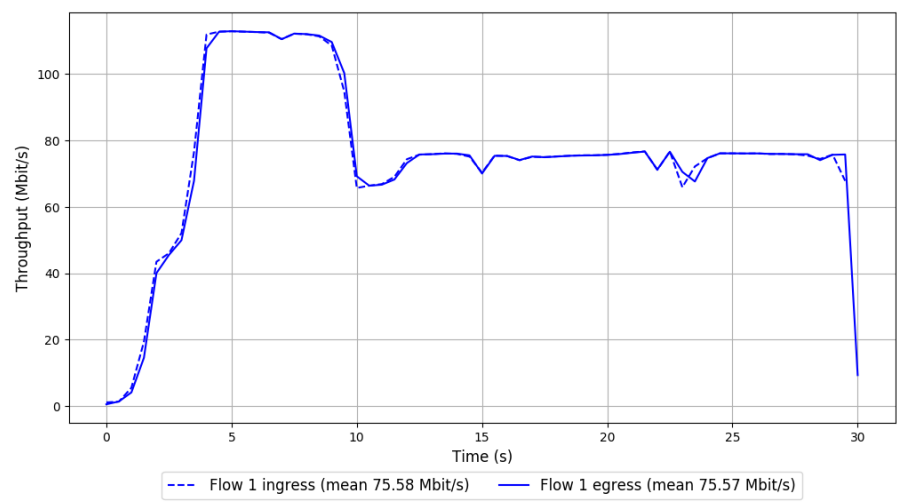
-- Flow 1:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 113.994 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-17 09:44:54

End at: 2018-04-17 09:45:24

Below is generated by plot.py at 2018-04-17 11:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.02 Mbit/s

95th percentile per-packet one-way delay: 113.610 ms

Loss rate: 0.00%

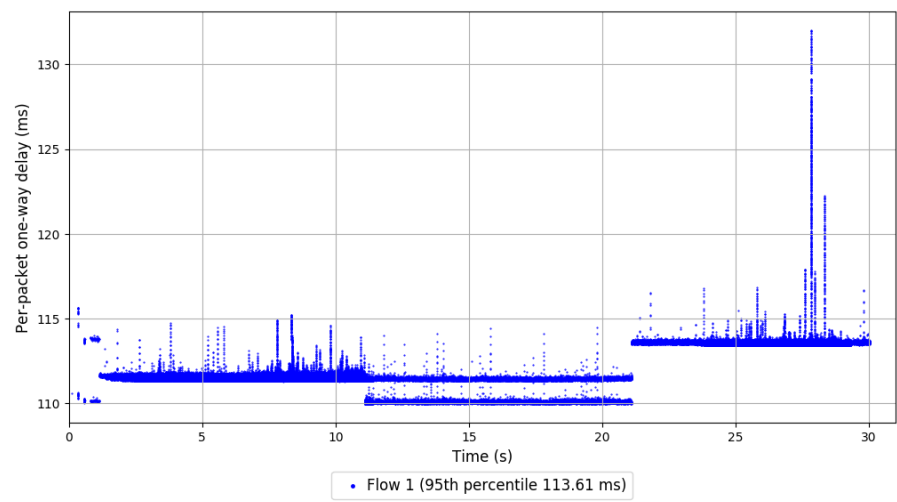
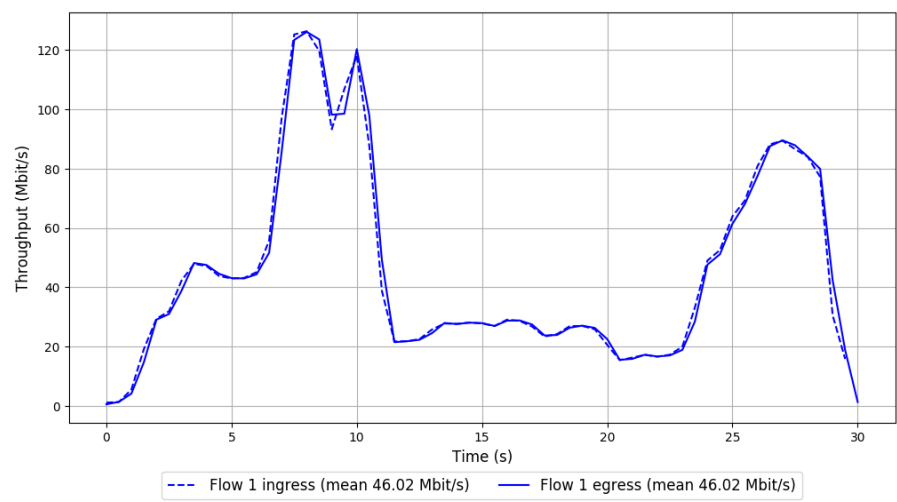
-- Flow 1:

Average throughput: 46.02 Mbit/s

95th percentile per-packet one-way delay: 113.610 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 09:58:58

End at: 2018-04-17 09:59:28

Below is generated by plot.py at 2018-04-17 11:42:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.10 Mbit/s

95th percentile per-packet one-way delay: 112.726 ms

Loss rate: 0.00%

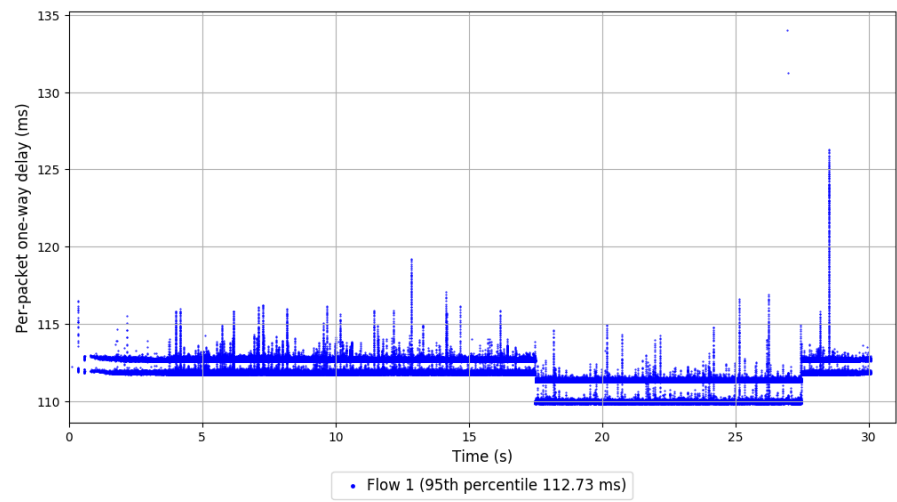
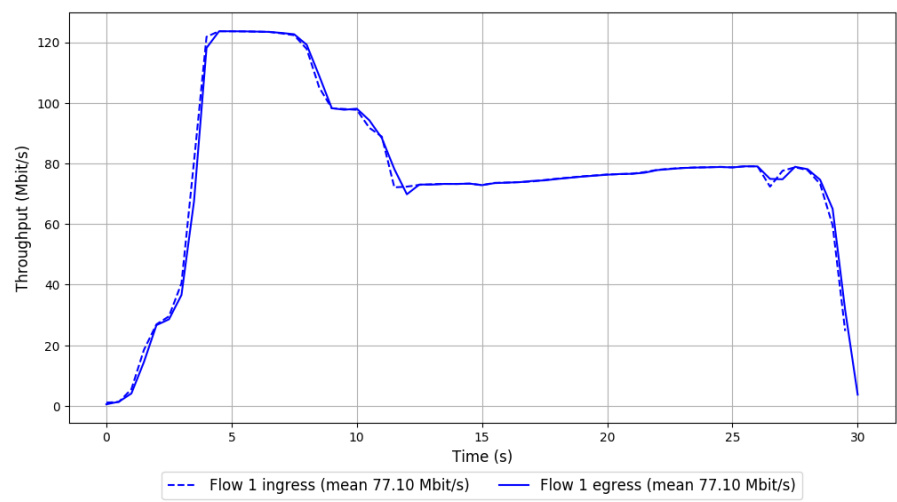
-- Flow 1:

Average throughput: 77.10 Mbit/s

95th percentile per-packet one-way delay: 112.726 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

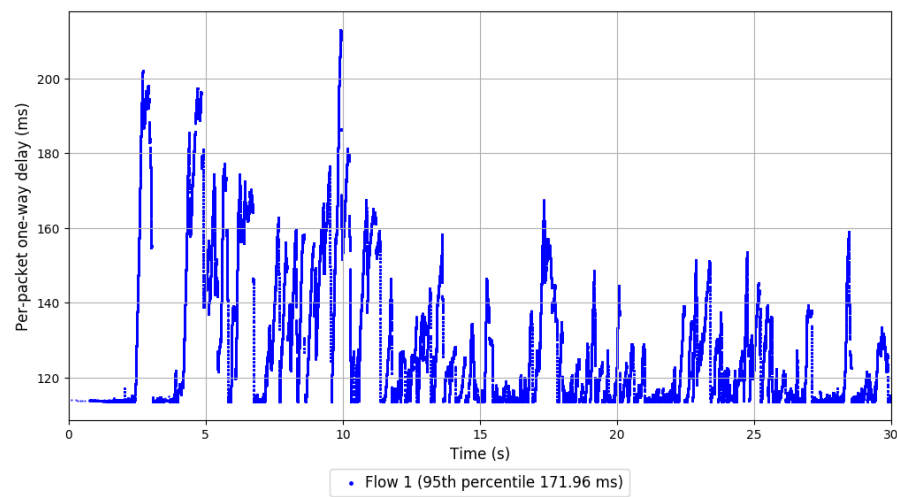
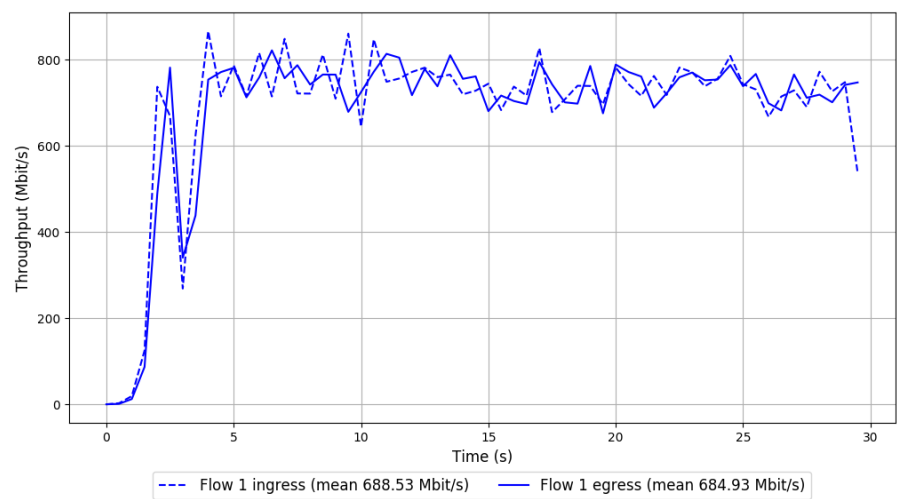


```
Run 1: Statistics of FillP

Start at: 2018-04-17 07:59:08
End at: 2018-04-17 07:59:38

# Below is generated by plot.py at 2018-04-17 11:54:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 684.93 Mbit/s
95th percentile per-packet one-way delay: 171.960 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 684.93 Mbit/s
95th percentile per-packet one-way delay: 171.960 ms
Loss rate: 0.52%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-17 08:13:16

End at: 2018-04-17 08:13:46

Below is generated by plot.py at 2018-04-17 11:54:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 680.80 Mbit/s

95th percentile per-packet one-way delay: 189.399 ms

Loss rate: 1.34%

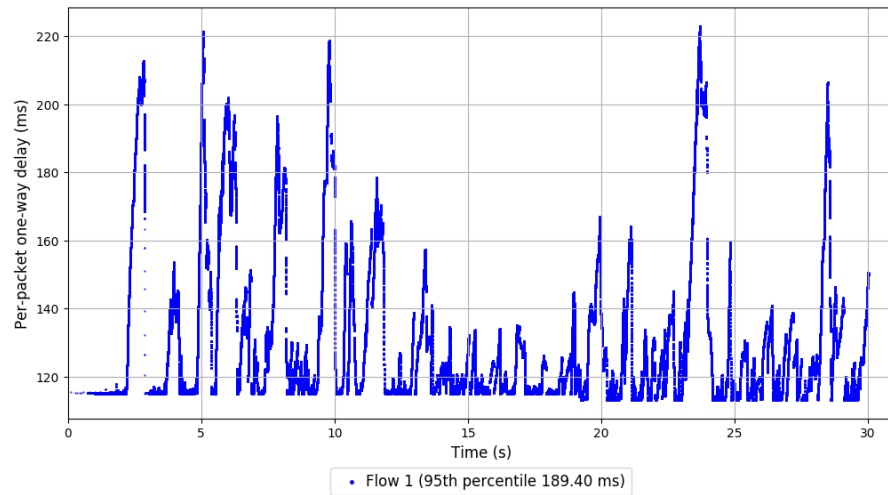
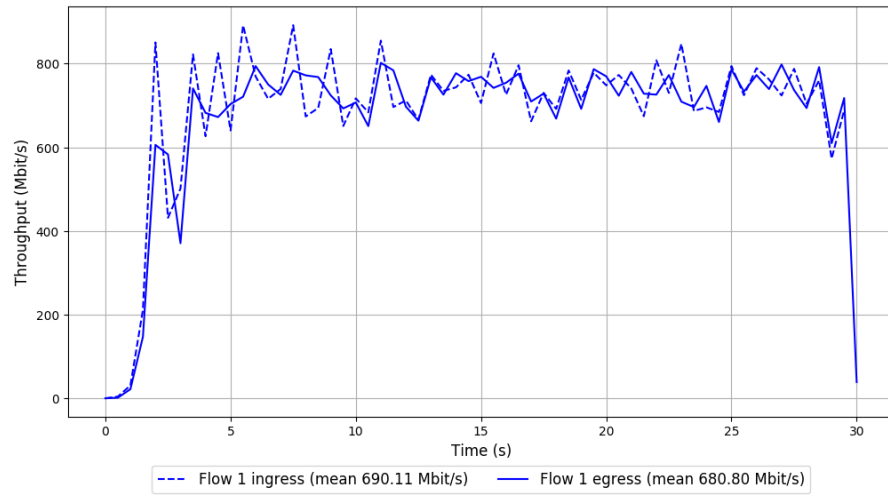
-- Flow 1:

Average throughput: 680.80 Mbit/s

95th percentile per-packet one-way delay: 189.399 ms

Loss rate: 1.34%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-17 08:27:13

End at: 2018-04-17 08:27:43

Below is generated by plot.py at 2018-04-17 11:54:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 694.12 Mbit/s

95th percentile per-packet one-way delay: 178.437 ms

Loss rate: 0.69%

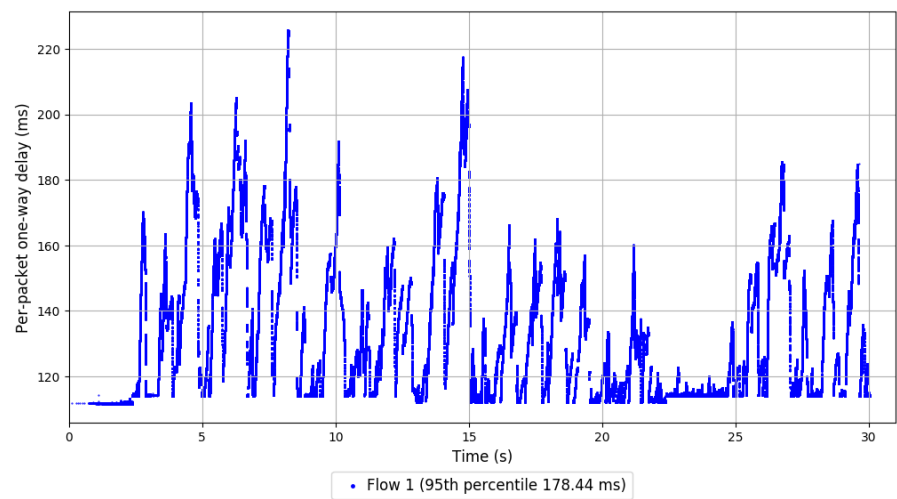
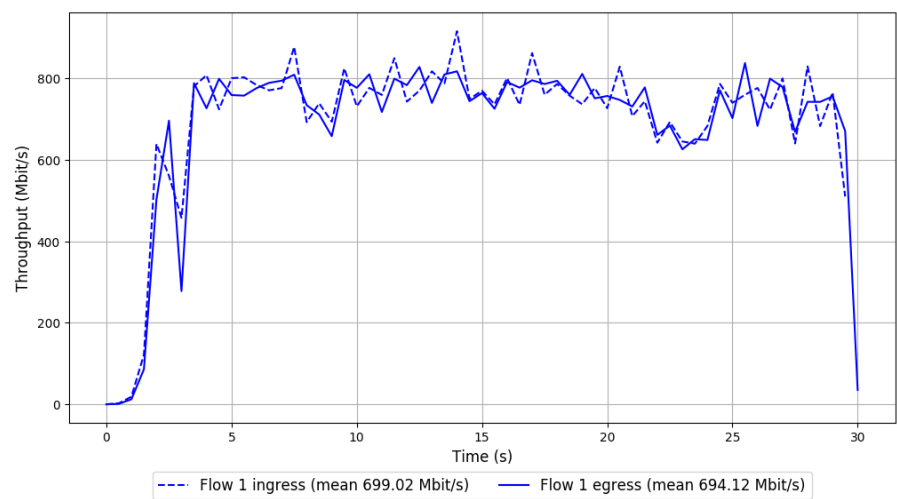
-- Flow 1:

Average throughput: 694.12 Mbit/s

95th percentile per-packet one-way delay: 178.437 ms

Loss rate: 0.69%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 08:41:22

End at: 2018-04-17 08:41:52

Below is generated by plot.py at 2018-04-17 11:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 687.92 Mbit/s

95th percentile per-packet one-way delay: 187.397 ms

Loss rate: 0.85%

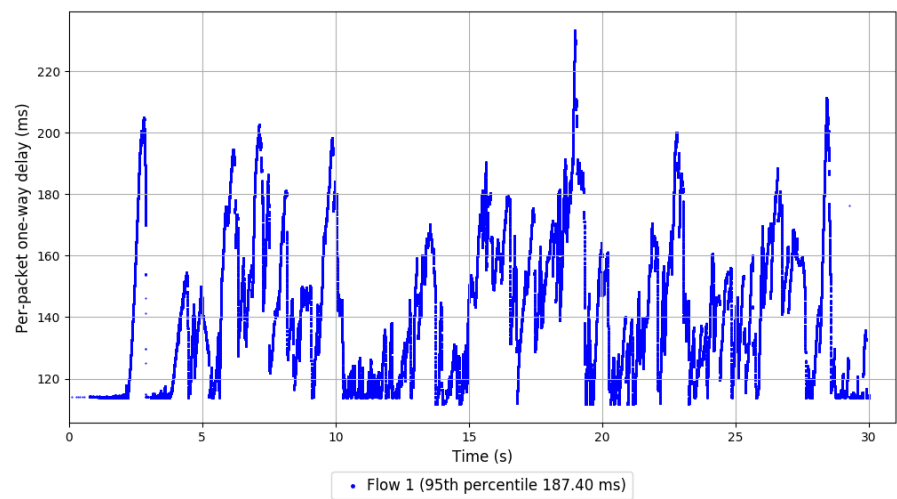
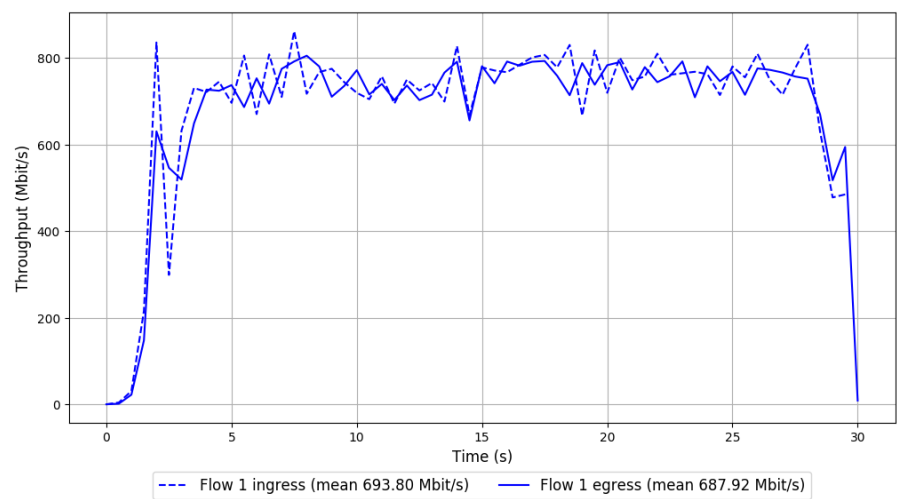
-- Flow 1:

Average throughput: 687.92 Mbit/s

95th percentile per-packet one-way delay: 187.397 ms

Loss rate: 0.85%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-17 08:55:17

End at: 2018-04-17 08:55:48

Below is generated by plot.py at 2018-04-17 11:54:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 690.29 Mbit/s

95th percentile per-packet one-way delay: 193.582 ms

Loss rate: 2.72%

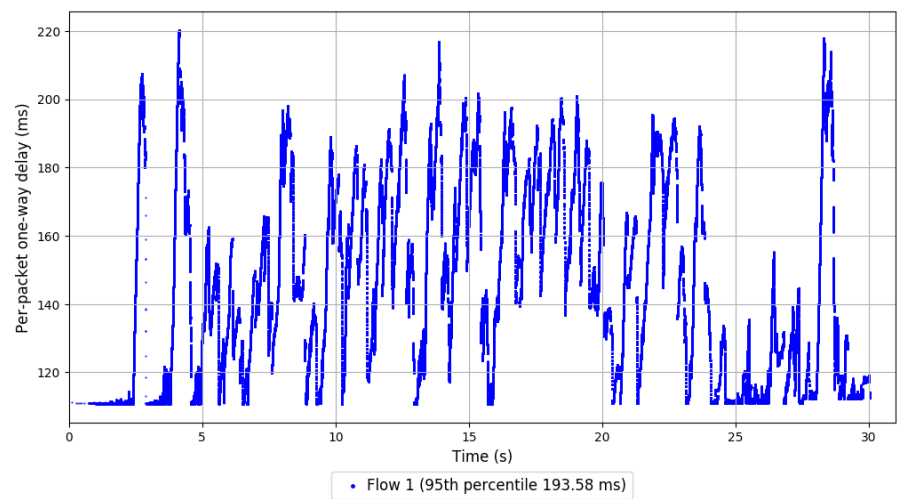
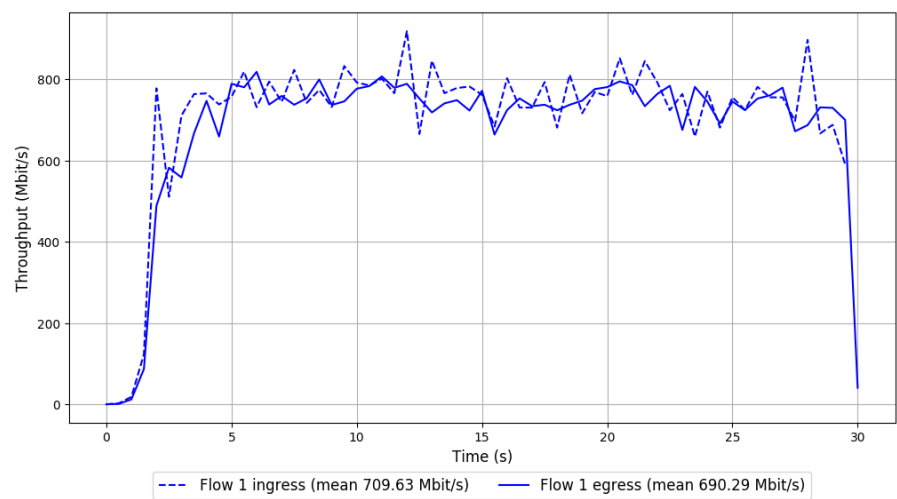
-- Flow 1:

Average throughput: 690.29 Mbit/s

95th percentile per-packet one-way delay: 193.582 ms

Loss rate: 2.72%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

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

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

Below is generated by plot.py at 2018-04-17 11:55:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 692.07 Mbit/s

95th percentile per-packet one-way delay: 200.312 ms

Loss rate: 3.53%

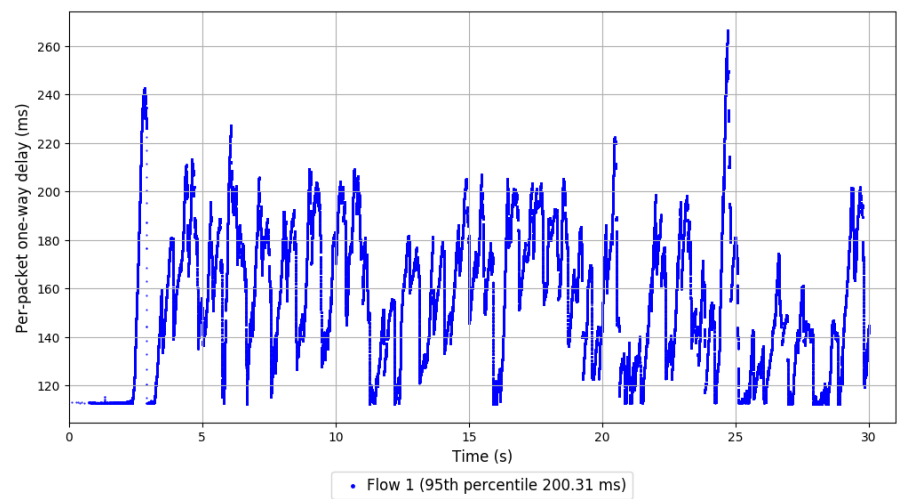
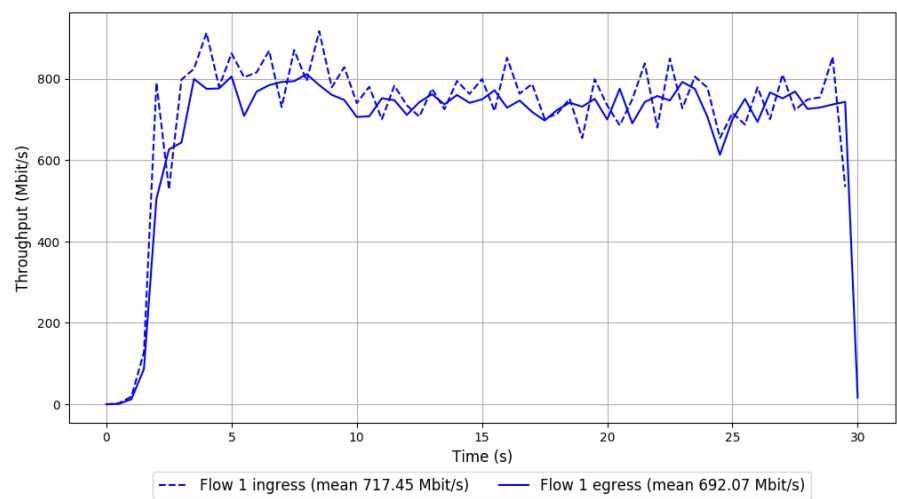
-- Flow 1:

Average throughput: 692.07 Mbit/s

95th percentile per-packet one-way delay: 200.312 ms

Loss rate: 3.53%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 09:23:33

End at: 2018-04-17 09:24:03

Below is generated by plot.py at 2018-04-17 11:56:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 723.49 Mbit/s

95th percentile per-packet one-way delay: 181.517 ms

Loss rate: 0.99%

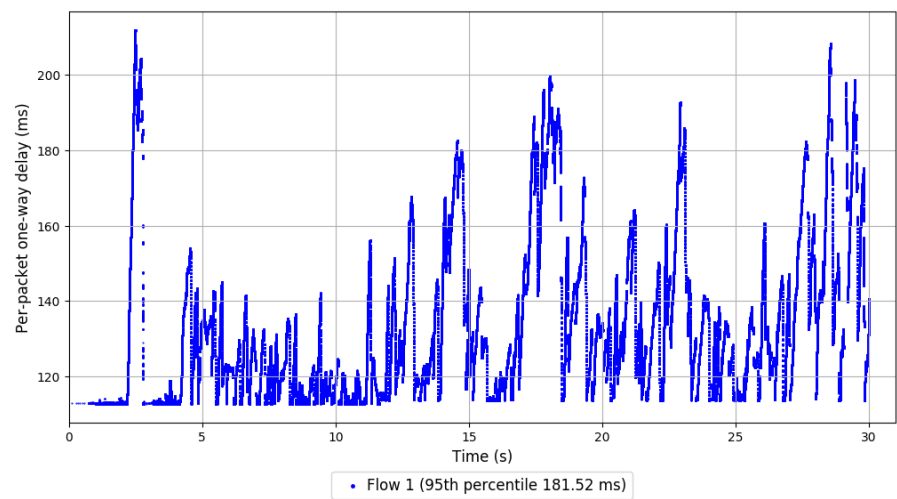
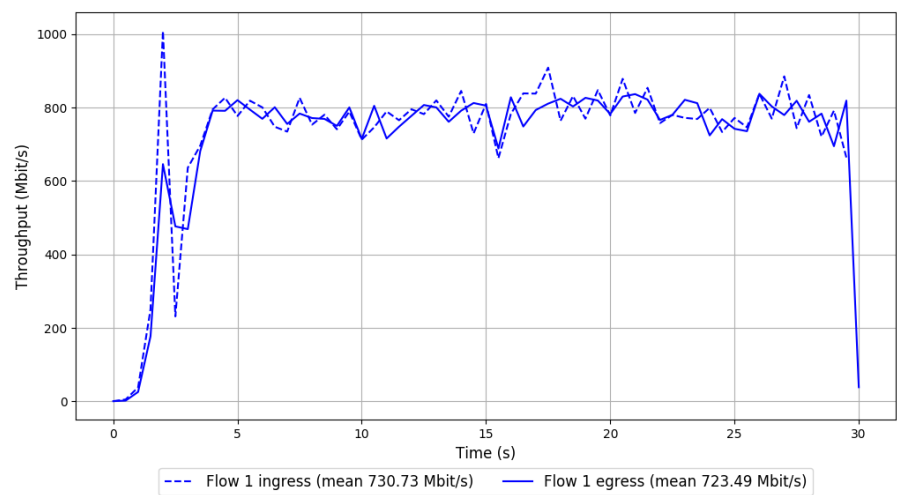
-- Flow 1:

Average throughput: 723.49 Mbit/s

95th percentile per-packet one-way delay: 181.517 ms

Loss rate: 0.99%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 09:37:52

End at: 2018-04-17 09:38:22

Below is generated by plot.py at 2018-04-17 11:56:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 692.60 Mbit/s

95th percentile per-packet one-way delay: 178.903 ms

Loss rate: 0.70%

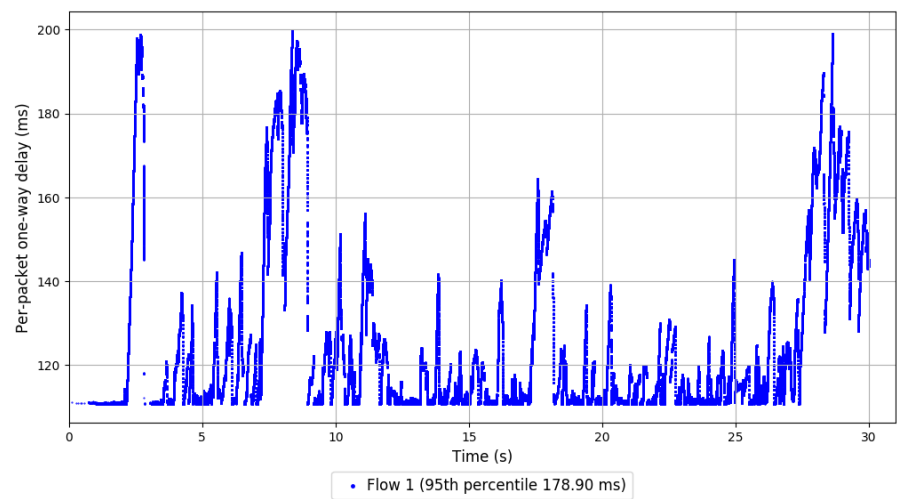
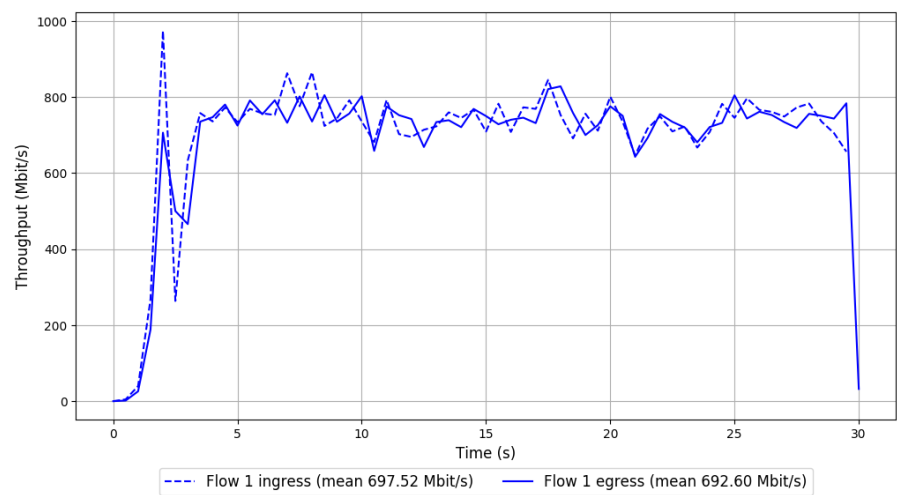
-- Flow 1:

Average throughput: 692.60 Mbit/s

95th percentile per-packet one-way delay: 178.903 ms

Loss rate: 0.70%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 09:51:57

End at: 2018-04-17 09:52:27

Below is generated by plot.py at 2018-04-17 12:06:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 668.70 Mbit/s

95th percentile per-packet one-way delay: 152.480 ms

Loss rate: 0.23%

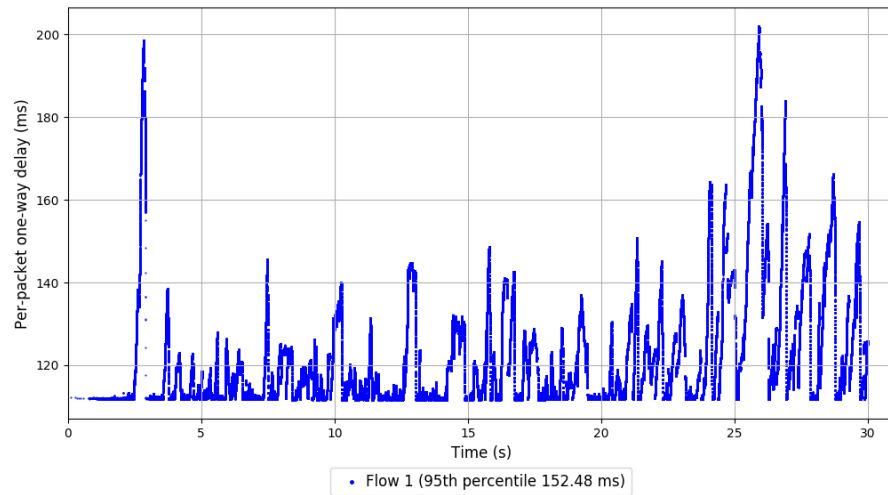
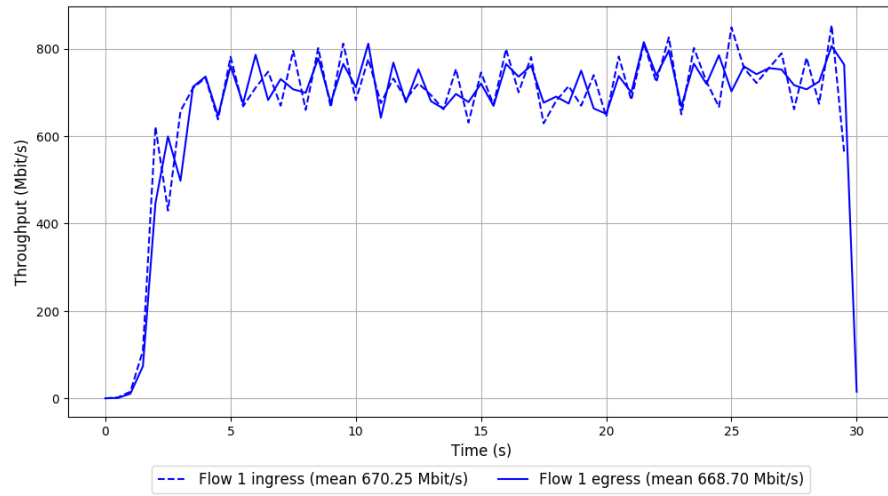
-- Flow 1:

Average throughput: 668.70 Mbit/s

95th percentile per-packet one-way delay: 152.480 ms

Loss rate: 0.23%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 10:06:16

End at: 2018-04-17 10:06:46

Below is generated by plot.py at 2018-04-17 12:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 718.79 Mbit/s

95th percentile per-packet one-way delay: 196.696 ms

Loss rate: 3.98%

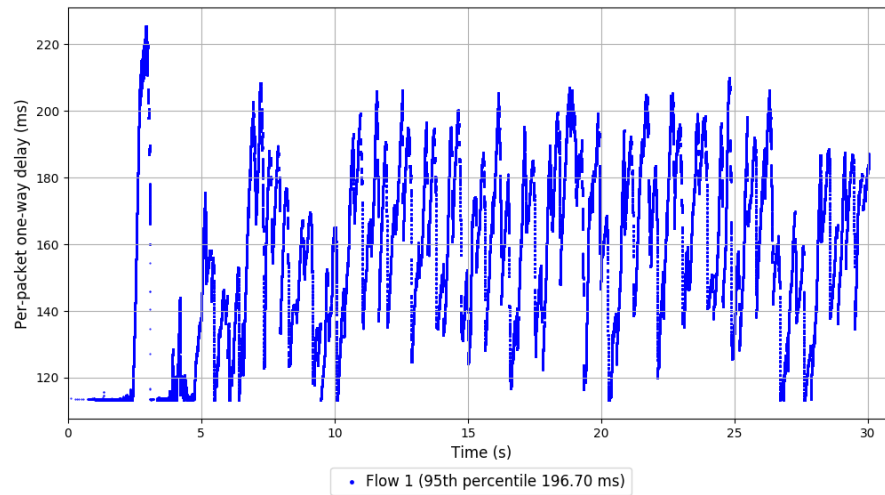
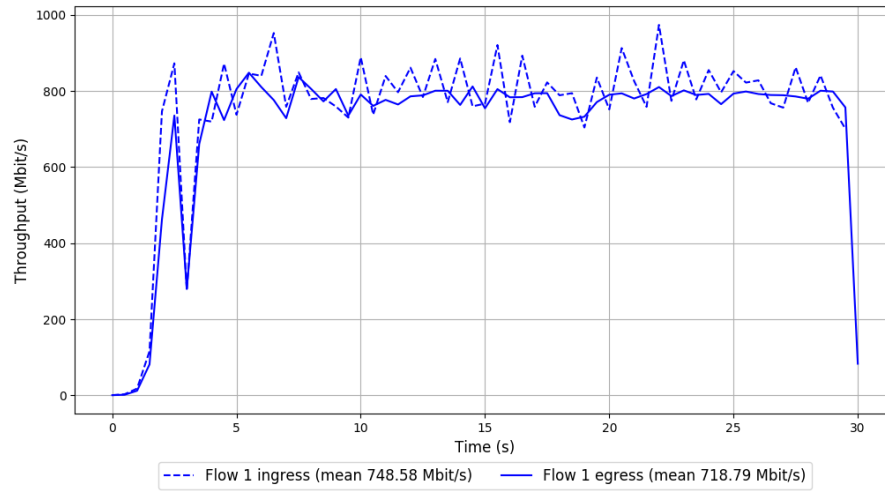
-- Flow 1:

Average throughput: 718.79 Mbit/s

95th percentile per-packet one-way delay: 196.696 ms

Loss rate: 3.98%

Run 10: Report of FillP — Data Link

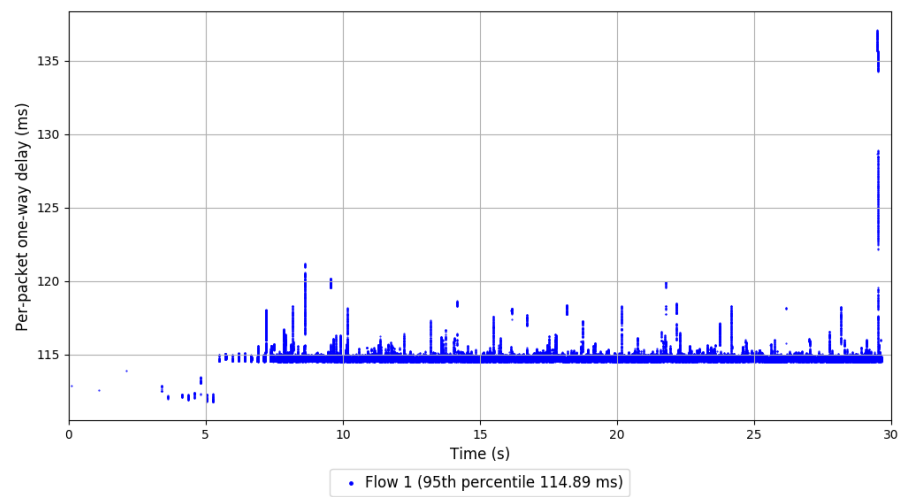
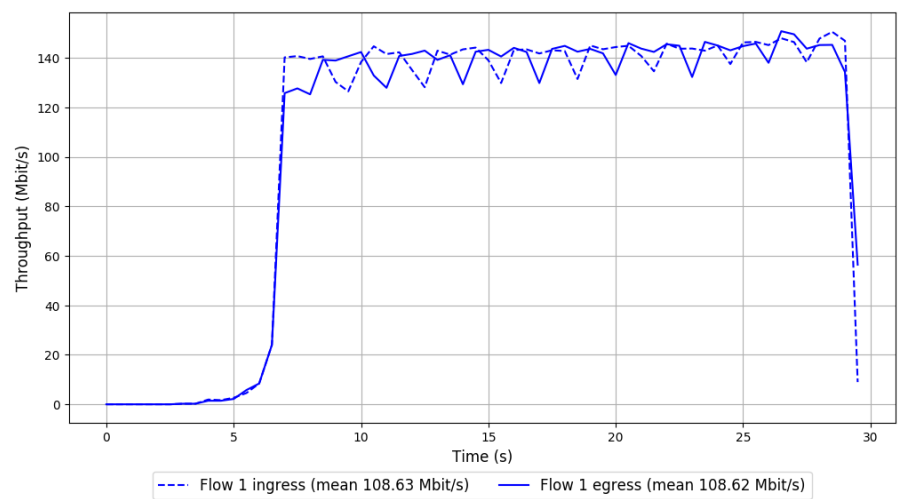


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 07:56:49
End at: 2018-04-17 07:57:19

# Below is generated by plot.py at 2018-04-17 12:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.62 Mbit/s
95th percentile per-packet one-way delay: 114.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.62 Mbit/s
95th percentile per-packet one-way delay: 114.894 ms
Loss rate: 0.00%
```

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

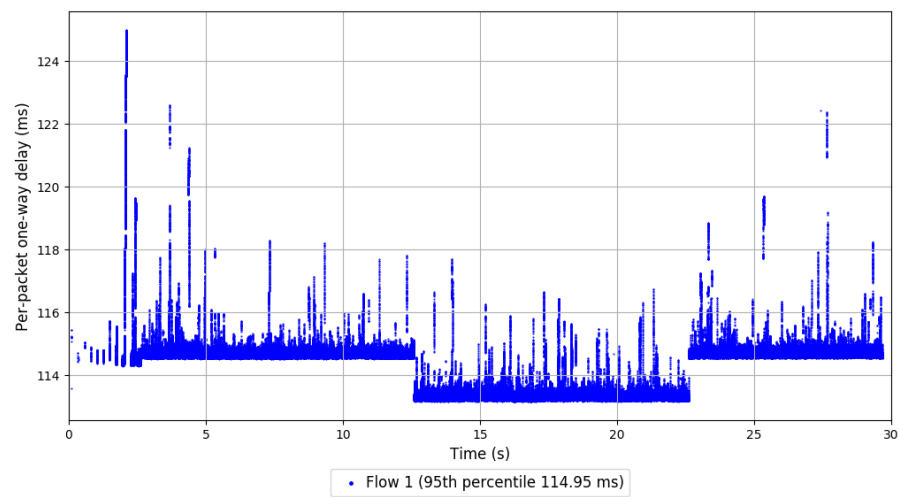
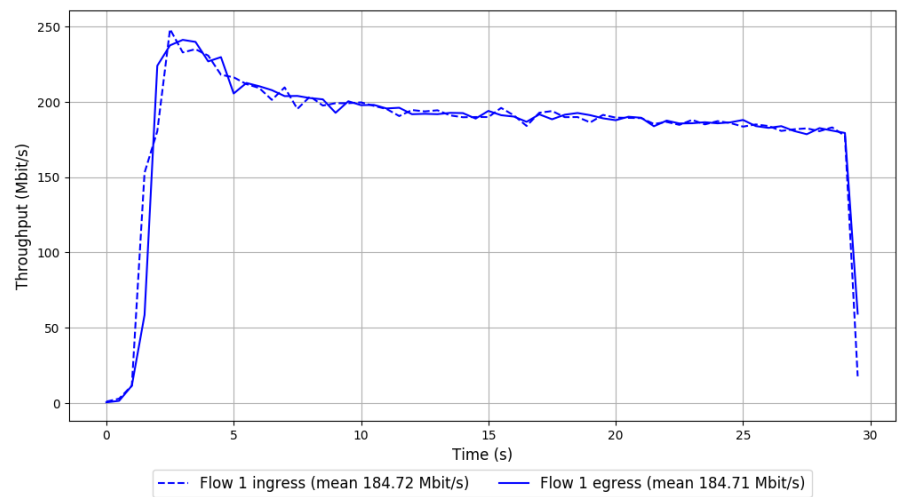


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 08:10:52
End at: 2018-04-17 08:11:22

# Below is generated by plot.py at 2018-04-17 12:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.71 Mbit/s
95th percentile per-packet one-way delay: 114.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.71 Mbit/s
95th percentile per-packet one-way delay: 114.951 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 08:24:50

End at: 2018-04-17 08:25:20

Below is generated by plot.py at 2018-04-17 12:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.42 Mbit/s

95th percentile per-packet one-way delay: 113.872 ms

Loss rate: 0.00%

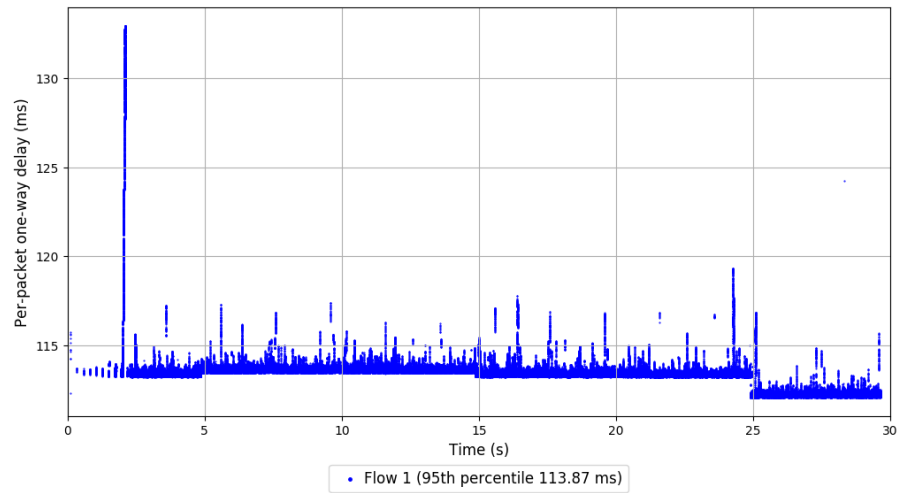
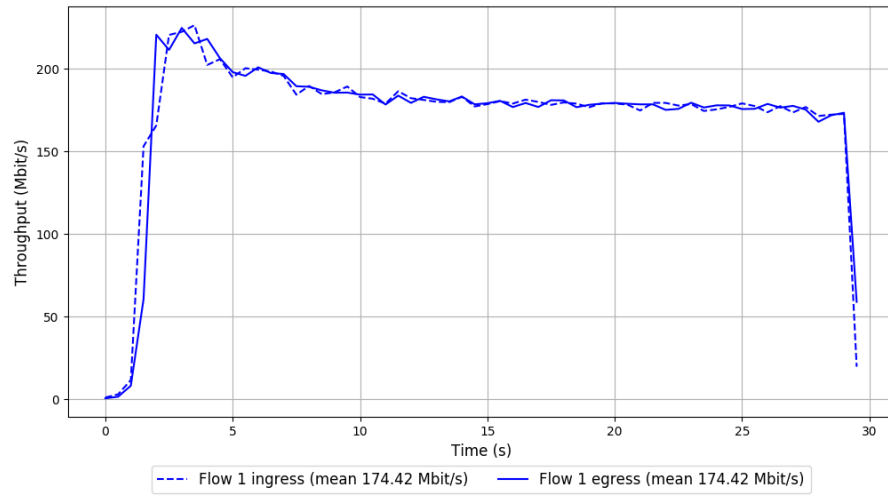
-- Flow 1:

Average throughput: 174.42 Mbit/s

95th percentile per-packet one-way delay: 113.872 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 08:38:58

End at: 2018-04-17 08:39:28

Below is generated by plot.py at 2018-04-17 12:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.73 Mbit/s

95th percentile per-packet one-way delay: 111.039 ms

Loss rate: 0.00%

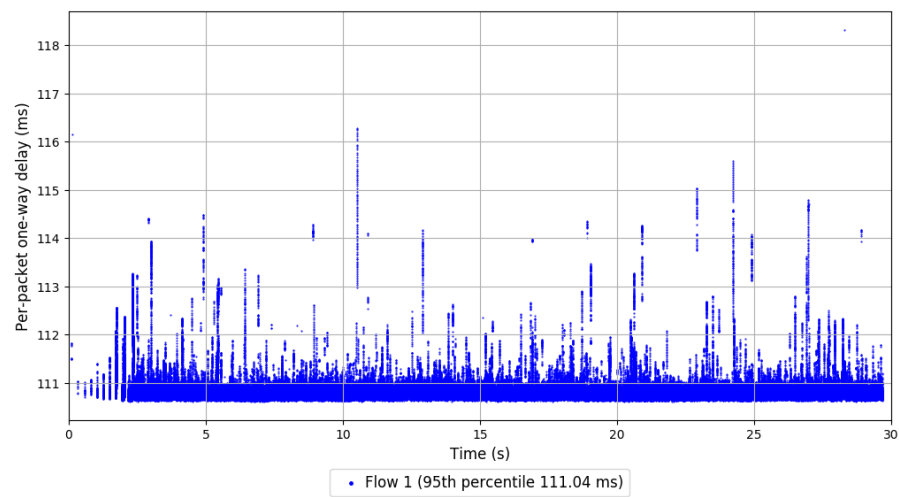
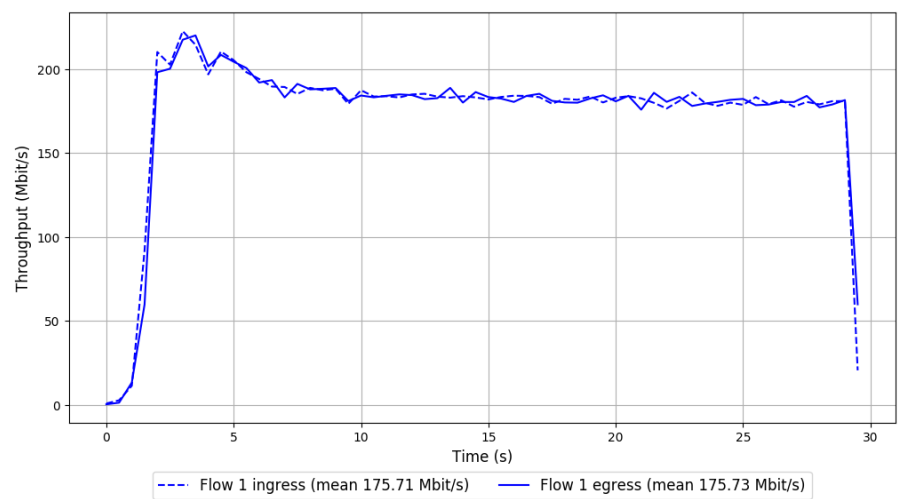
-- Flow 1:

Average throughput: 175.73 Mbit/s

95th percentile per-packet one-way delay: 111.039 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 08:52:54

End at: 2018-04-17 08:53:24

Below is generated by plot.py at 2018-04-17 12:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.45 Mbit/s

95th percentile per-packet one-way delay: 111.373 ms

Loss rate: 0.00%

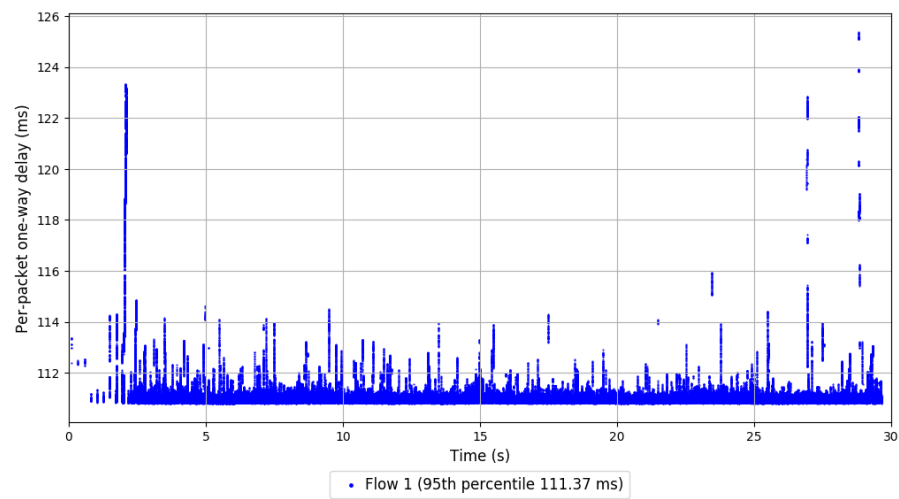
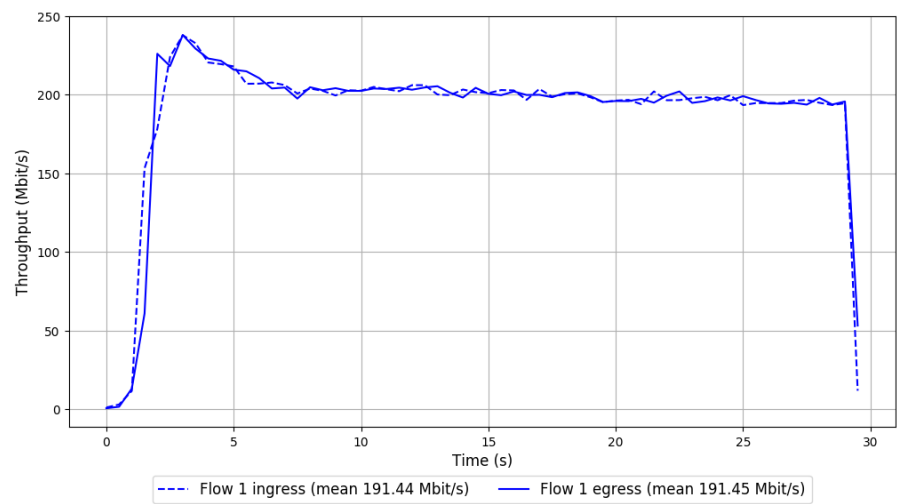
-- Flow 1:

Average throughput: 191.45 Mbit/s

95th percentile per-packet one-way delay: 111.373 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 09:06:56

End at: 2018-04-17 09:07:26

Below is generated by plot.py at 2018-04-17 12:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.10 Mbit/s

95th percentile per-packet one-way delay: 114.642 ms

Loss rate: 0.00%

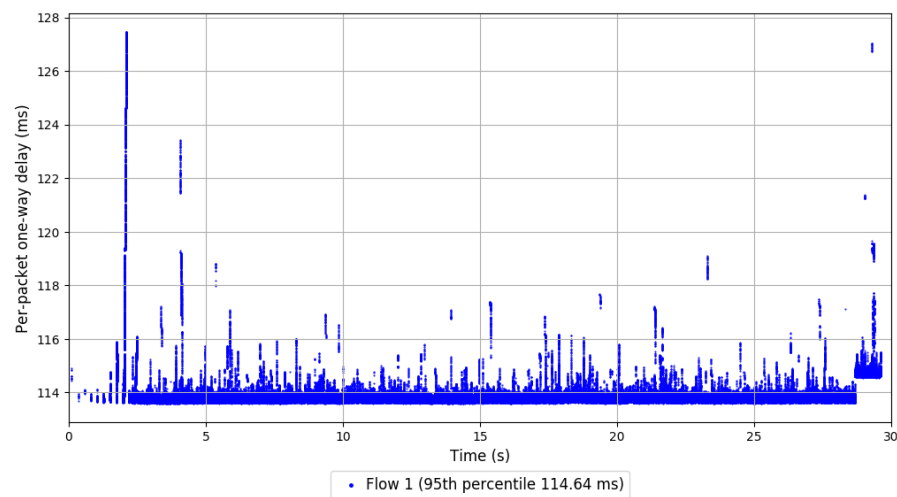
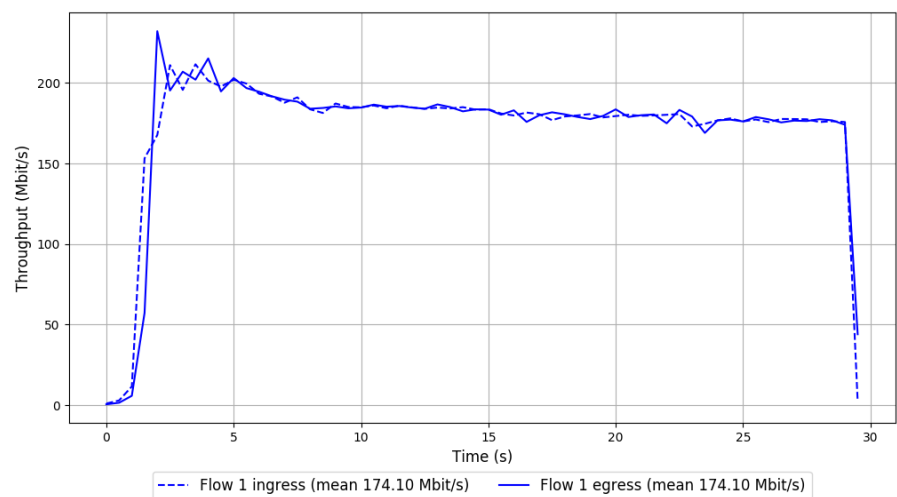
-- Flow 1:

Average throughput: 174.10 Mbit/s

95th percentile per-packet one-way delay: 114.642 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 09:21:10

End at: 2018-04-17 09:21:40

Below is generated by plot.py at 2018-04-17 12:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.89 Mbit/s

95th percentile per-packet one-way delay: 114.302 ms

Loss rate: 0.00%

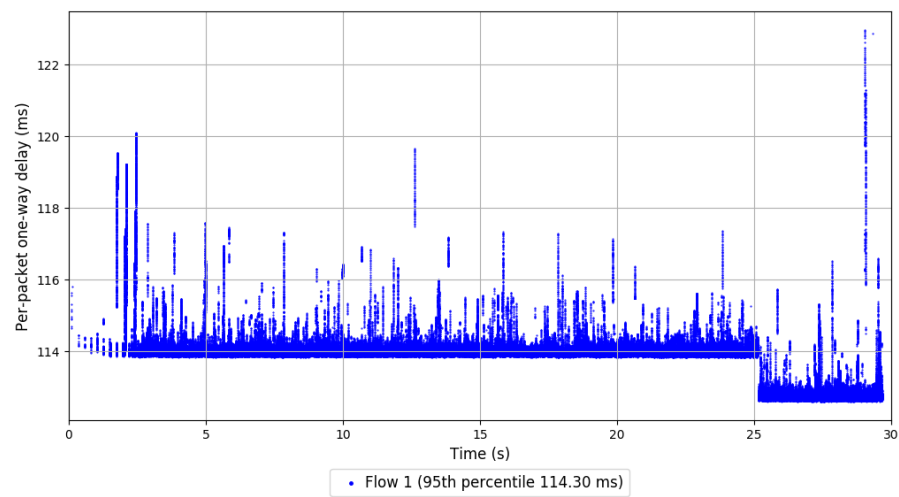
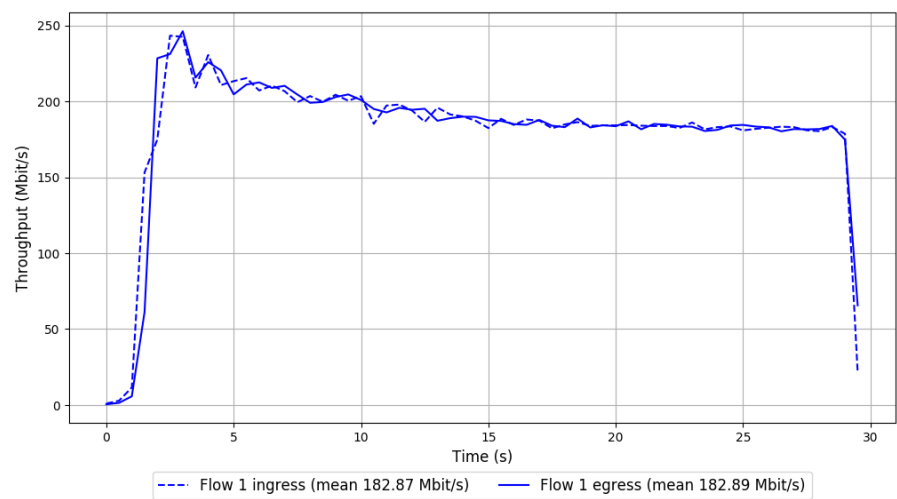
-- Flow 1:

Average throughput: 182.89 Mbit/s

95th percentile per-packet one-way delay: 114.302 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 09:35:29

End at: 2018-04-17 09:35:59

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.37 Mbit/s

95th percentile per-packet one-way delay: 113.800 ms

Loss rate: 0.00%

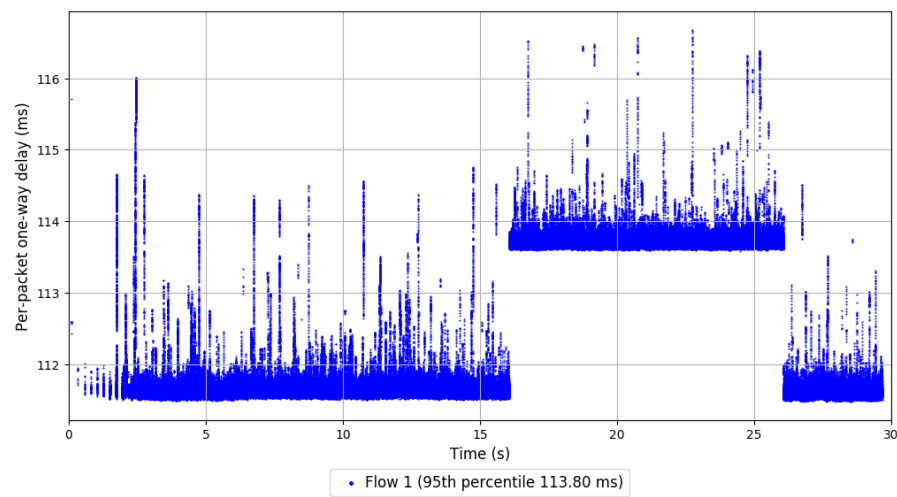
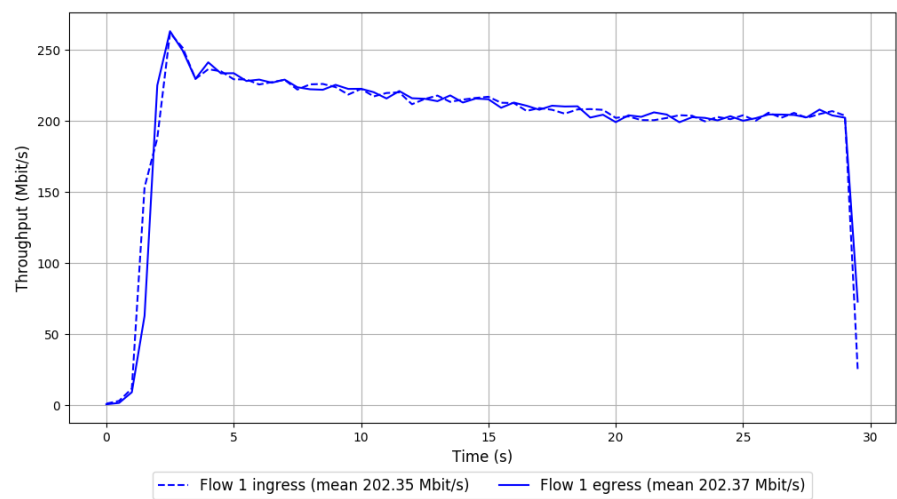
-- Flow 1:

Average throughput: 202.37 Mbit/s

95th percentile per-packet one-way delay: 113.800 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 09:49:36

End at: 2018-04-17 09:50:06

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.77 Mbit/s

95th percentile per-packet one-way delay: 113.618 ms

Loss rate: 0.00%

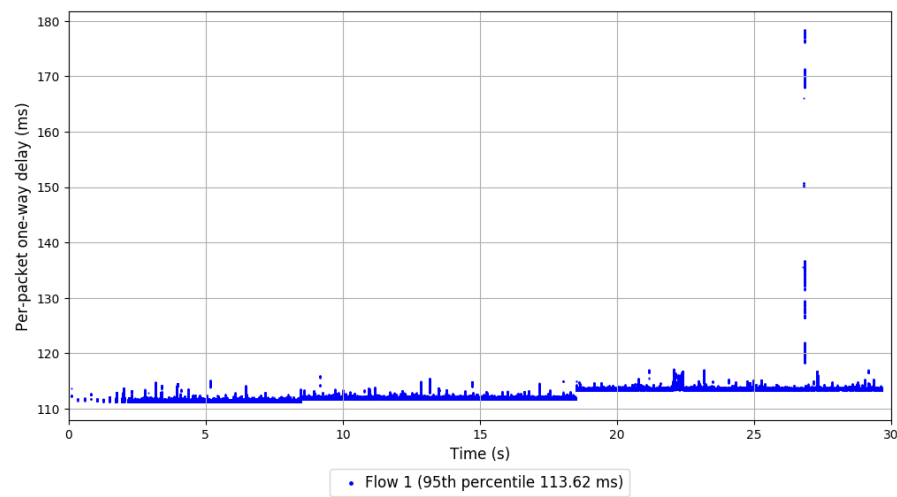
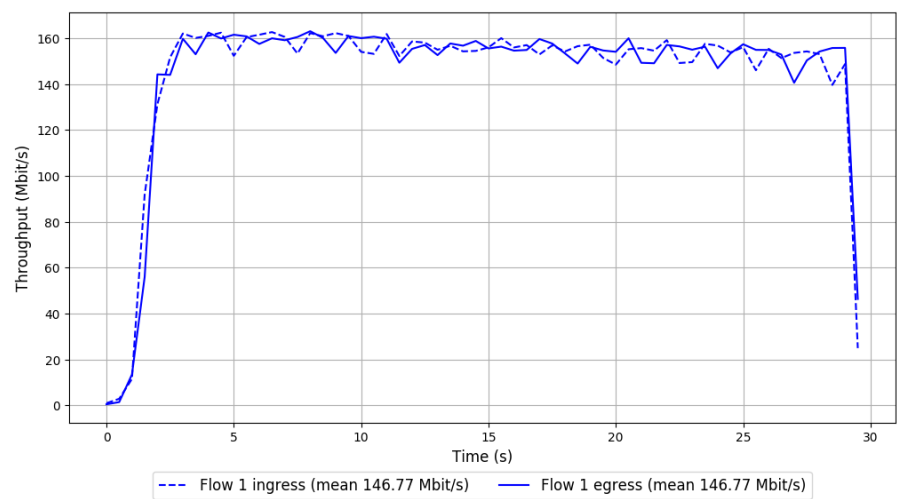
-- Flow 1:

Average throughput: 146.77 Mbit/s

95th percentile per-packet one-way delay: 113.618 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 10:03:57

End at: 2018-04-17 10:04:27

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.94 Mbit/s

95th percentile per-packet one-way delay: 113.022 ms

Loss rate: 0.00%

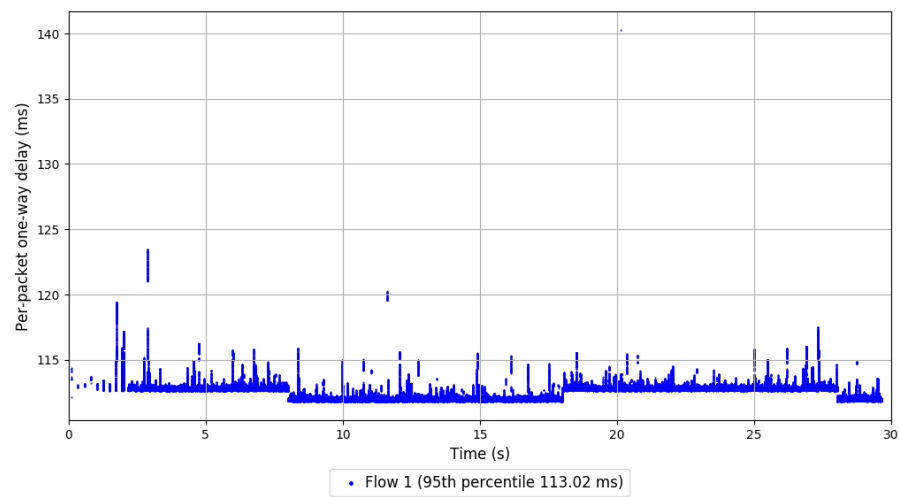
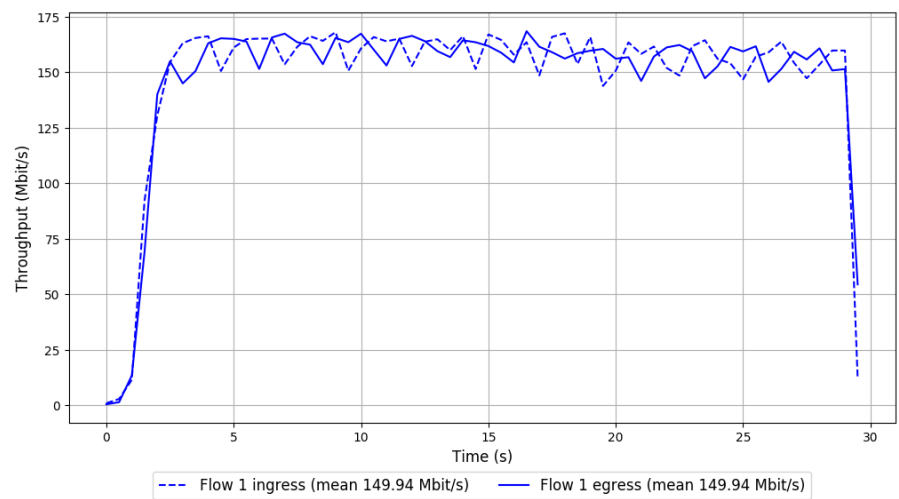
-- Flow 1:

Average throughput: 149.94 Mbit/s

95th percentile per-packet one-way delay: 113.022 ms

Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 08:02:38

End at: 2018-04-17 08:03:08

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.53 Mbit/s

95th percentile per-packet one-way delay: 116.544 ms

Loss rate: 0.00%

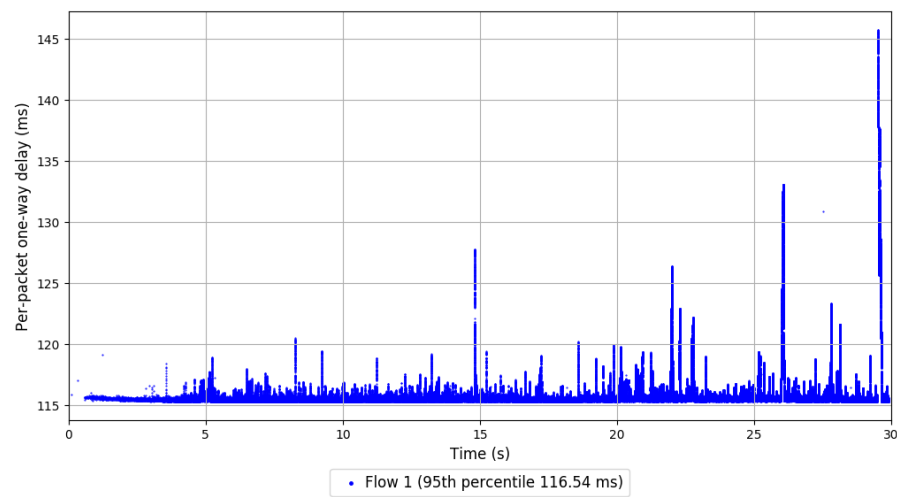
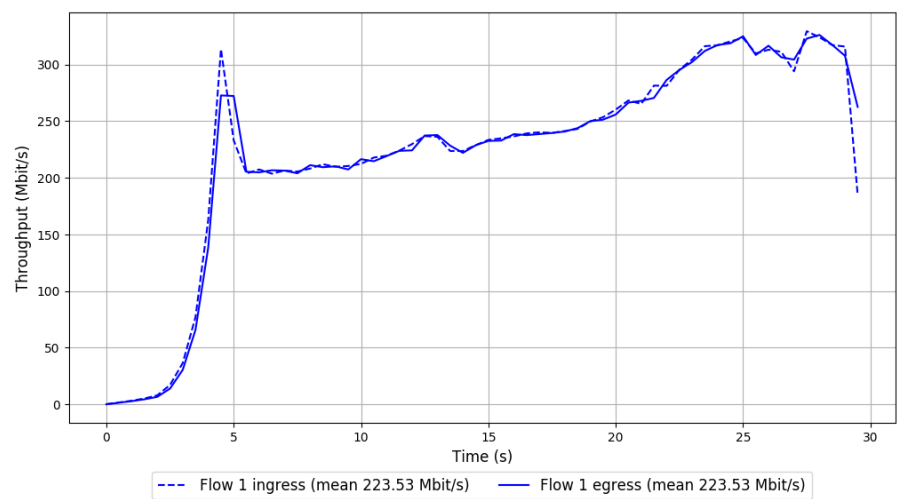
-- Flow 1:

Average throughput: 223.53 Mbit/s

95th percentile per-packet one-way delay: 116.544 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 08:16:47

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

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.72 Mbit/s

95th percentile per-packet one-way delay: 114.831 ms

Loss rate: 0.00%

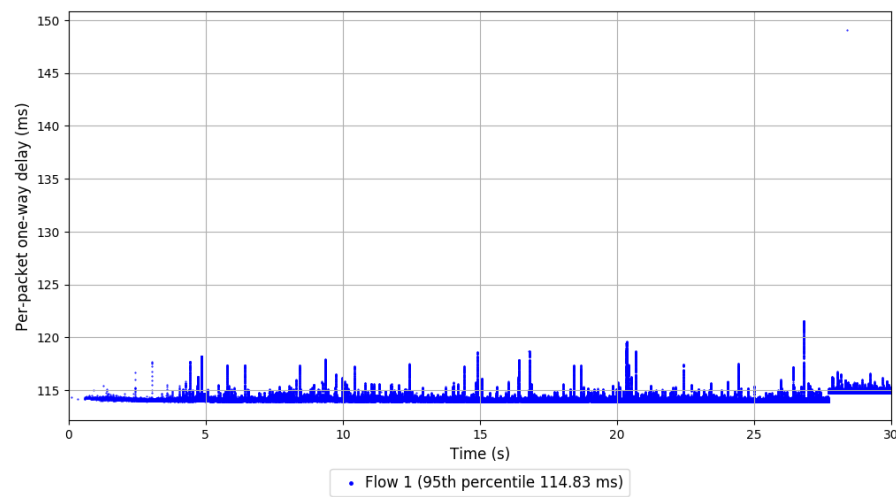
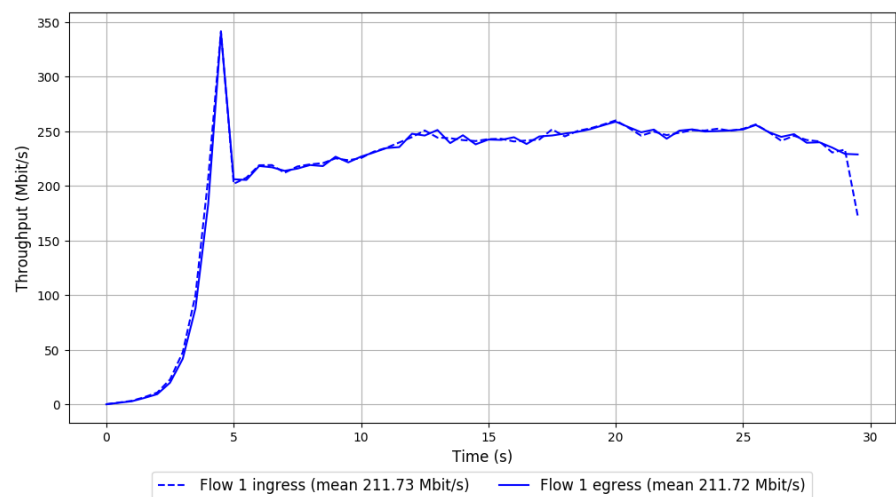
-- Flow 1:

Average throughput: 211.72 Mbit/s

95th percentile per-packet one-way delay: 114.831 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 08:30:47

End at: 2018-04-17 08:31:17

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.53 Mbit/s

95th percentile per-packet one-way delay: 114.234 ms

Loss rate: 0.00%

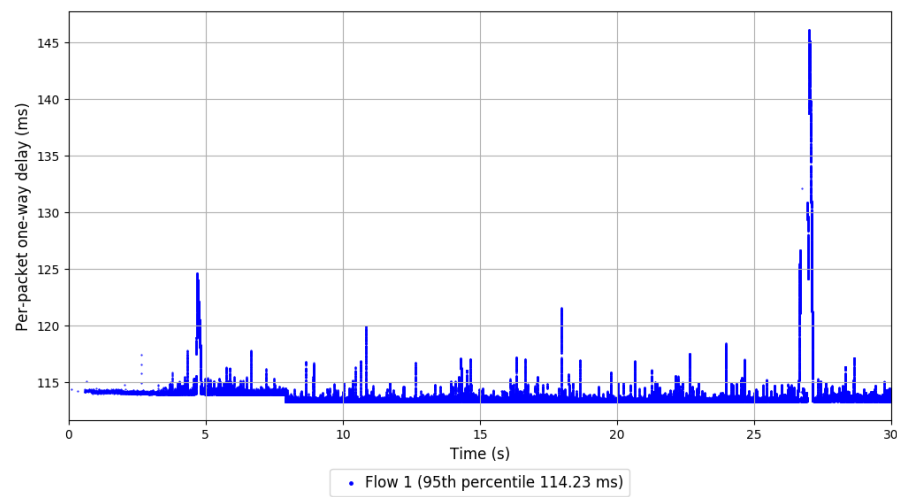
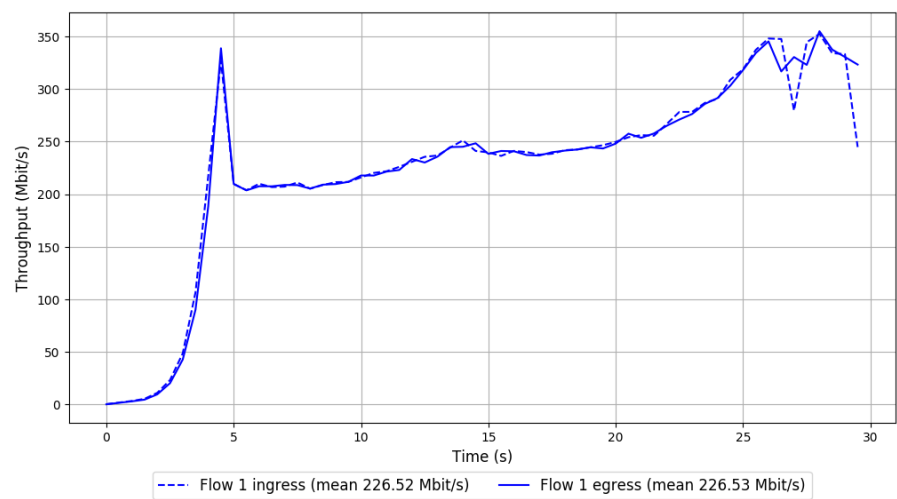
-- Flow 1:

Average throughput: 226.53 Mbit/s

95th percentile per-packet one-way delay: 114.234 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 08:44:54

End at: 2018-04-17 08:45:24

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.87 Mbit/s

95th percentile per-packet one-way delay: 114.961 ms

Loss rate: 0.00%

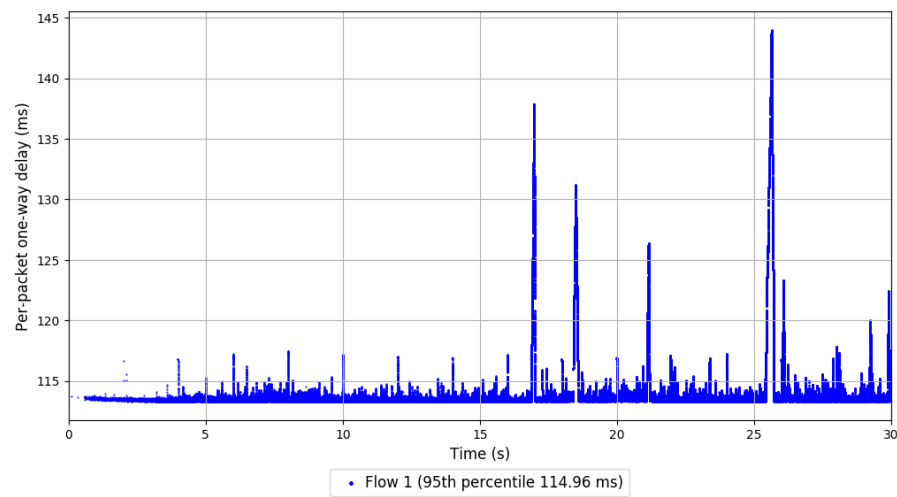
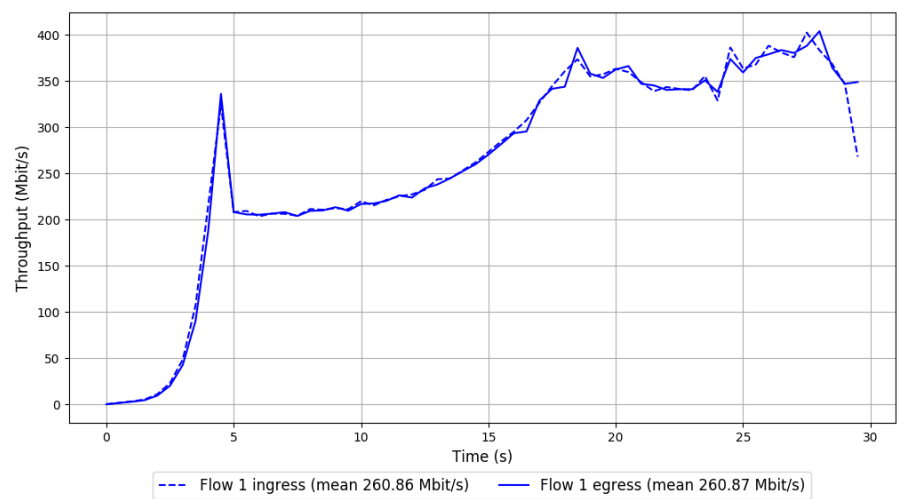
-- Flow 1:

Average throughput: 260.87 Mbit/s

95th percentile per-packet one-way delay: 114.961 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 08:58:49

End at: 2018-04-17 08:59:19

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.53 Mbit/s

95th percentile per-packet one-way delay: 115.165 ms

Loss rate: 0.00%

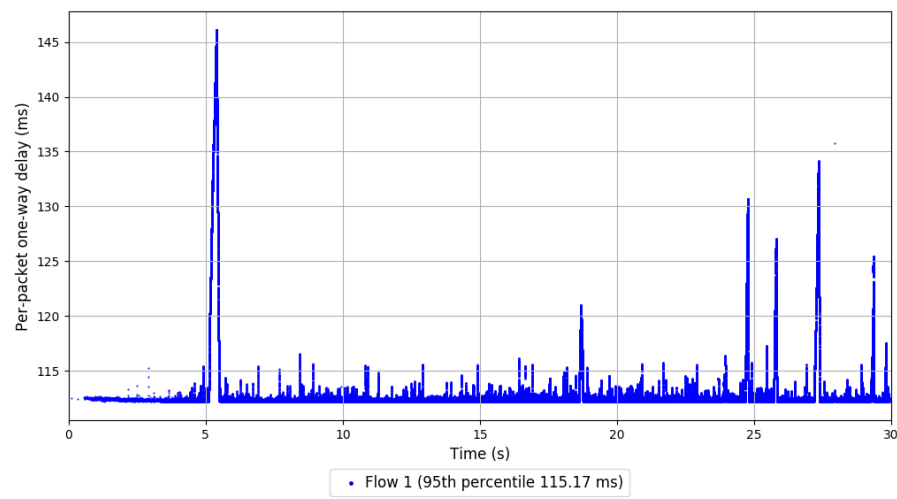
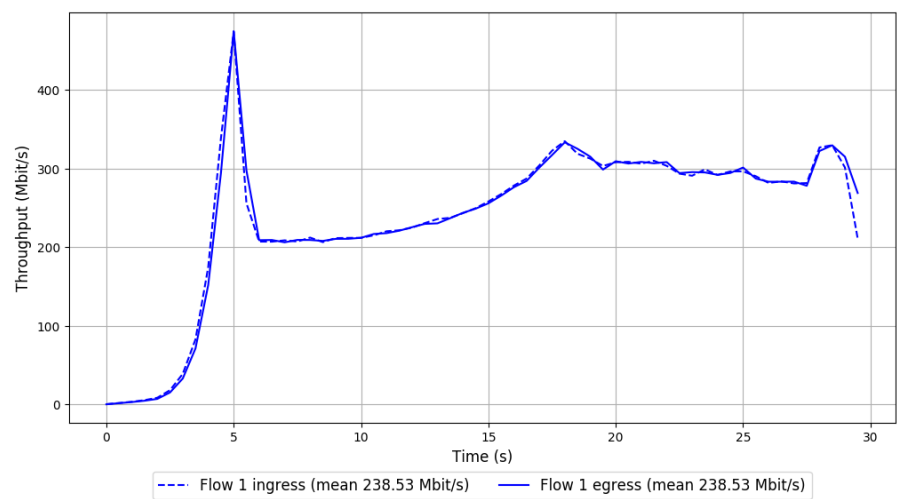
-- Flow 1:

Average throughput: 238.53 Mbit/s

95th percentile per-packet one-way delay: 115.165 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 09:12:50

End at: 2018-04-17 09:13:20

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.63 Mbit/s

95th percentile per-packet one-way delay: 114.994 ms

Loss rate: 0.00%

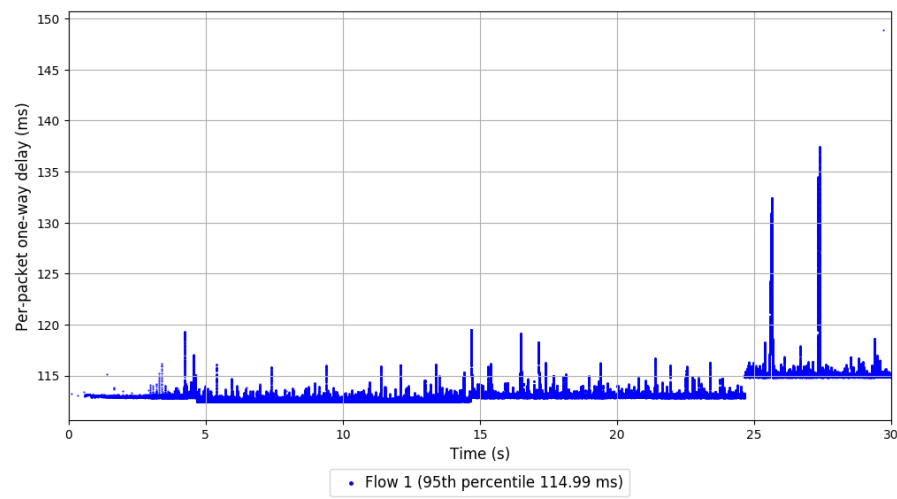
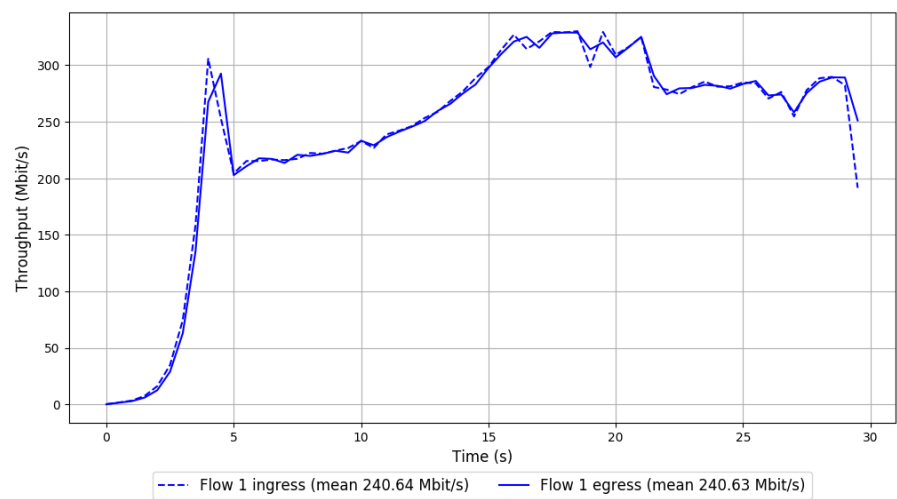
-- Flow 1:

Average throughput: 240.63 Mbit/s

95th percentile per-packet one-way delay: 114.994 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 09:27:08

End at: 2018-04-17 09:27:38

Below is generated by plot.py at 2018-04-17 12:06:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.08 Mbit/s

95th percentile per-packet one-way delay: 114.049 ms

Loss rate: 0.00%

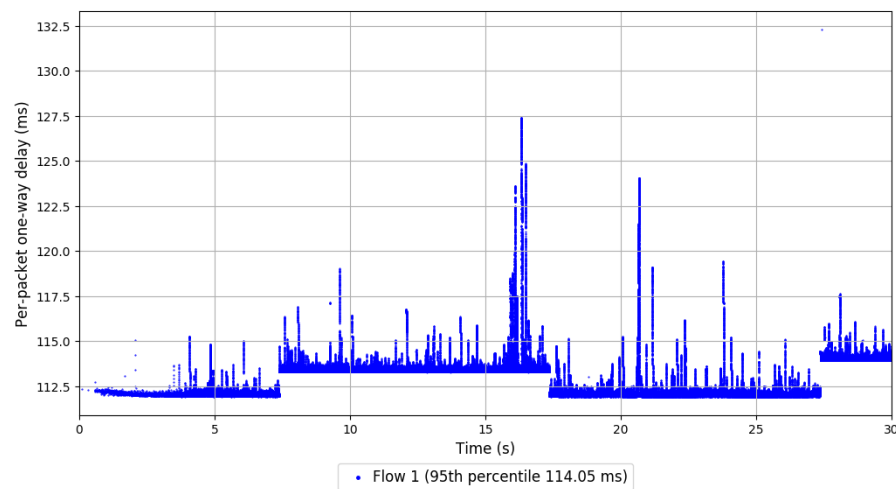
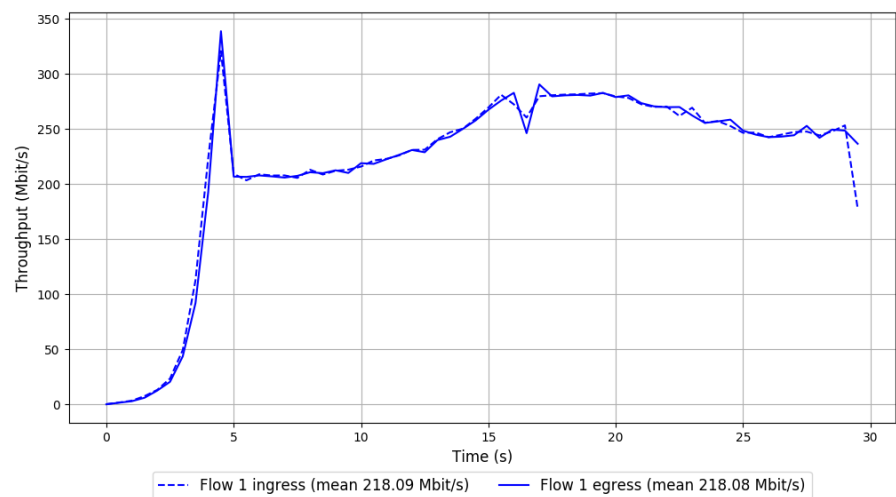
-- Flow 1:

Average throughput: 218.08 Mbit/s

95th percentile per-packet one-way delay: 114.049 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 09:41:24

End at: 2018-04-17 09:41:54

Below is generated by plot.py at 2018-04-17 12:06:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.32 Mbit/s

95th percentile per-packet one-way delay: 113.941 ms

Loss rate: 0.00%

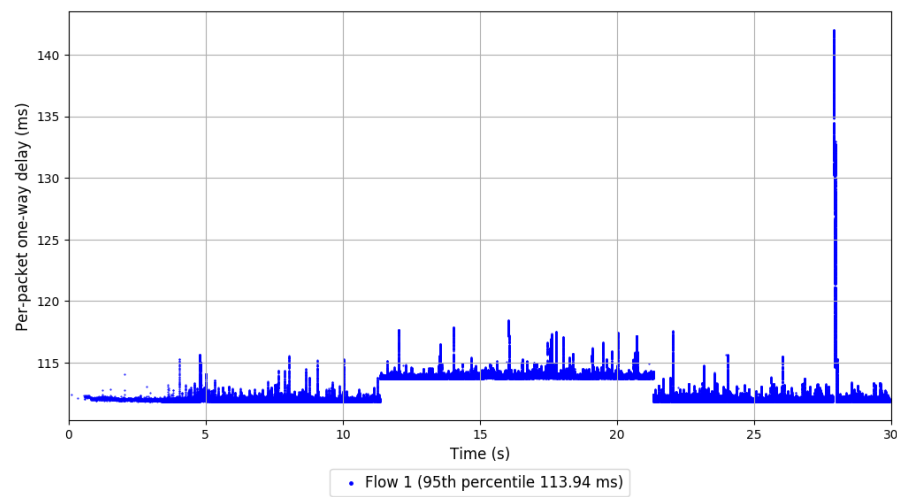
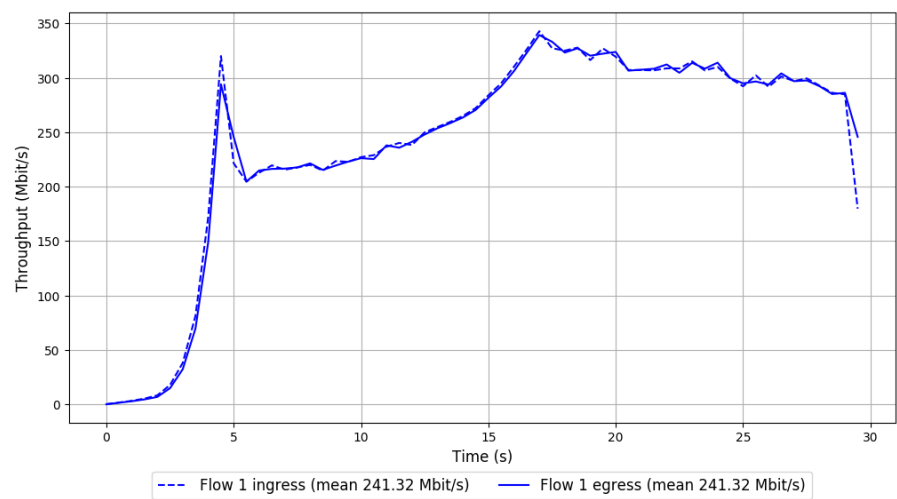
-- Flow 1:

Average throughput: 241.32 Mbit/s

95th percentile per-packet one-way delay: 113.941 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 09:55:29

End at: 2018-04-17 09:55:59

Below is generated by plot.py at 2018-04-17 12:06:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.06 Mbit/s

95th percentile per-packet one-way delay: 113.189 ms

Loss rate: 0.00%

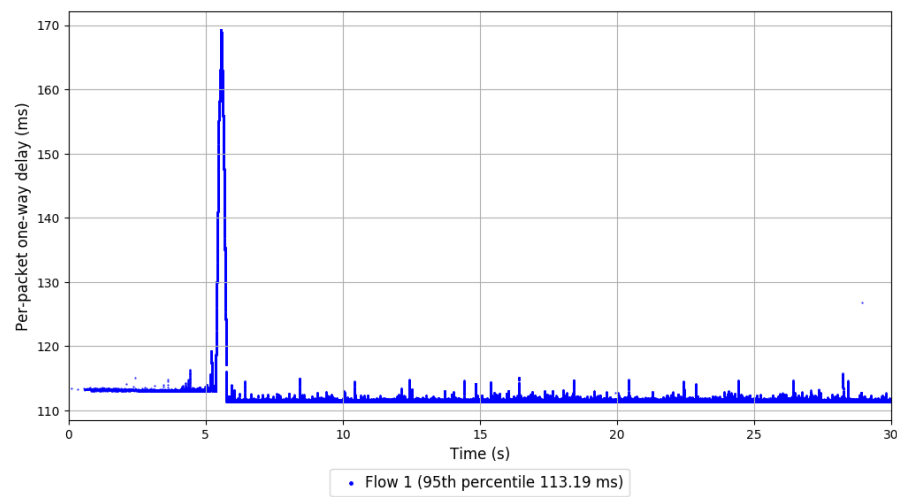
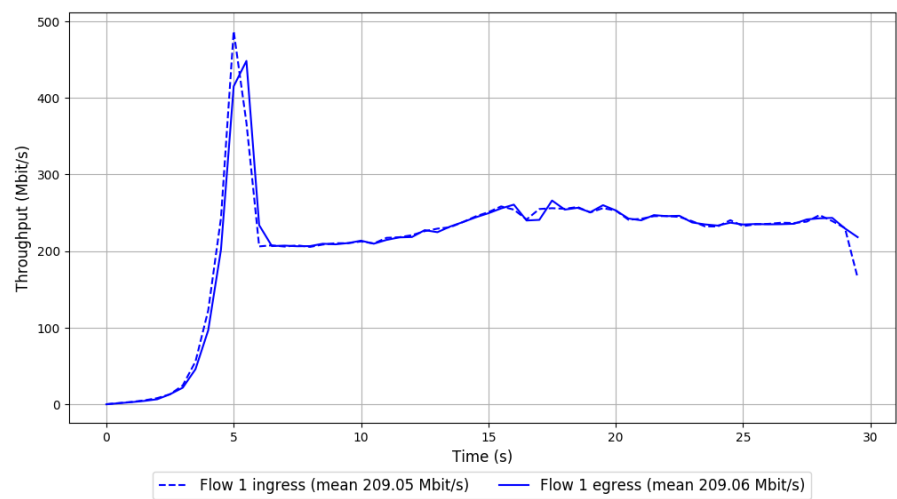
-- Flow 1:

Average throughput: 209.06 Mbit/s

95th percentile per-packet one-way delay: 113.189 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 10:09:49

End at: 2018-04-17 10:10:19

Below is generated by plot.py at 2018-04-17 12:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.91 Mbit/s

95th percentile per-packet one-way delay: 113.844 ms

Loss rate: 0.00%

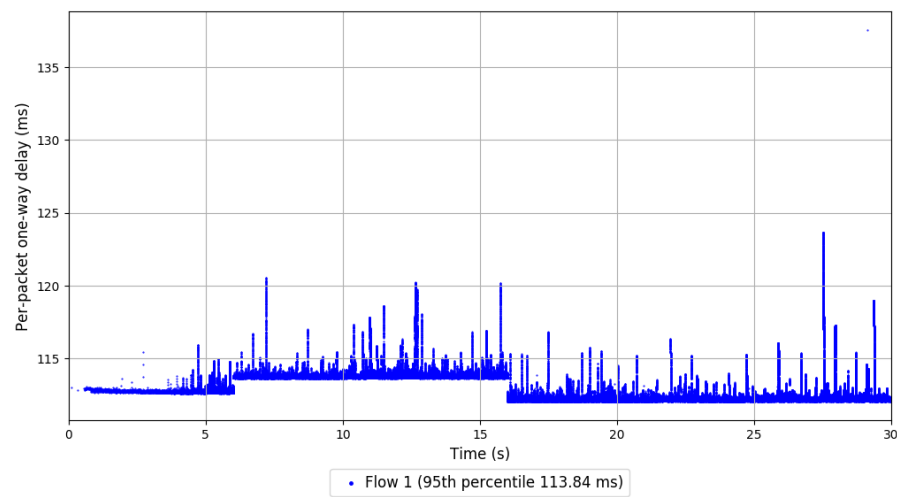
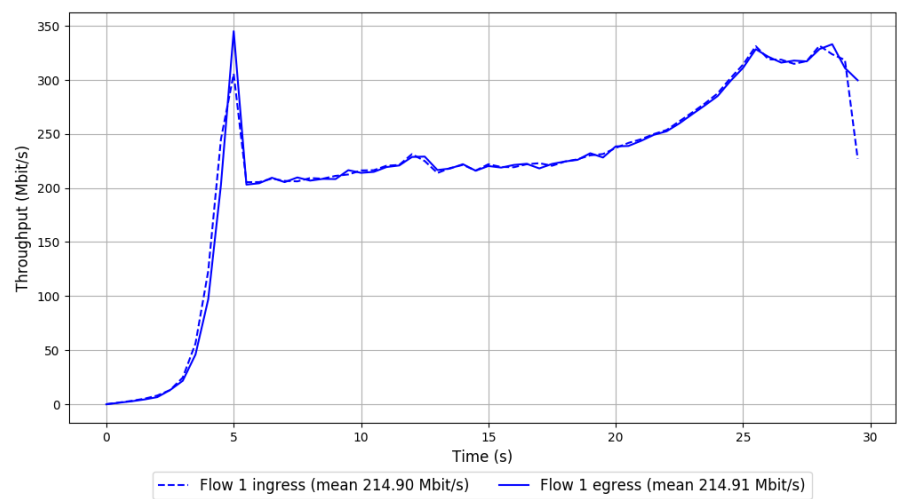
-- Flow 1:

Average throughput: 214.91 Mbit/s

95th percentile per-packet one-way delay: 113.844 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 08:03:38

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

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 08:17:47

End at: 2018-04-17 08:18:17

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 08:31:47

End at: 2018-04-17 08:32:17

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 08:45:58

End at: 2018-04-17 08:46:28

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 08:59:50

End at: 2018-04-17 09:00:20

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 09:13:52

End at: 2018-04-17 09:14:22

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 09:28:07

End at: 2018-04-17 09:28:37

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 09:42:26

End at: 2018-04-17 09:42:56

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 09:56:29

End at: 2018-04-17 09:56:59

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 10:10:49

End at: 2018-04-17 10:11:19

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing