

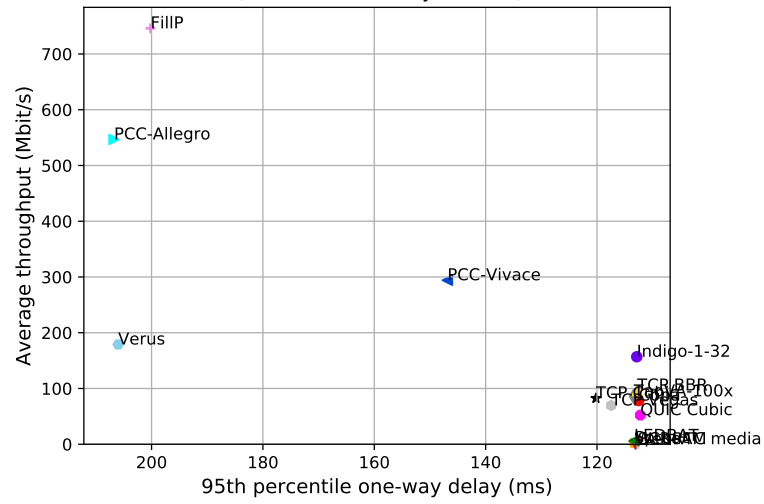
Pantheon Report

Generated at 2018-04-24 11:28:26 (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**).

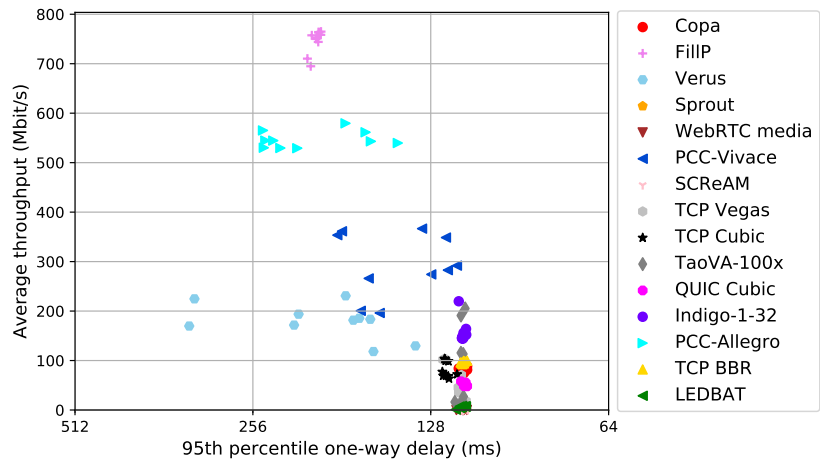
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
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	96.45	112.78	0.00
TCP Cubic	10	82.44	120.19	0.00
LEDBAT	10	6.10	113.36	0.00
PCC-Allegro	10	546.70	206.74	1.89
QUIC Cubic	9	52.21	112.23	0.00
SCReAM	10	0.21	112.67	0.00
WebRTC media	10	0.06	113.08	0.00
Sprout	10	2.15	113.37	0.00
TaoVA-100x	10	85.84	113.41	0.00
TCP Vegas	10	69.53	117.45	0.01
Verus	10	178.90	206.01	2.04
Copa	10	78.31	112.52	0.00
FillP	10	745.99	200.18	6.97
Indigo-1-32	10	156.91	112.87	0.00
PCC-Vivace	10	294.13	146.88	0.83
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 07:28:57

End at: 2018-04-24 07:29:27

Below is generated by plot.py at 2018-04-24 10:39:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 113.947 ms

Loss rate: 0.00%

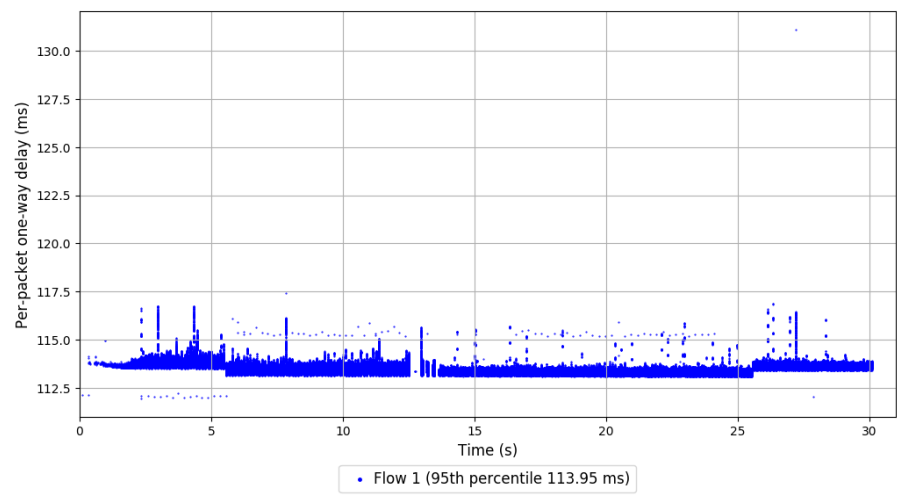
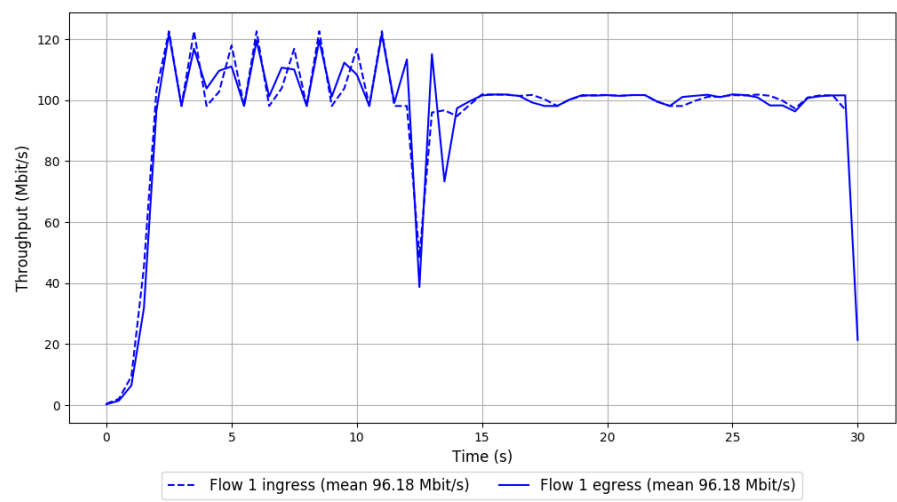
-- Flow 1:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 113.947 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-24 07:42:40

End at: 2018-04-24 07:43:10

Below is generated by plot.py at 2018-04-24 10:39:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.23 Mbit/s

95th percentile per-packet one-way delay: 112.444 ms

Loss rate: 0.00%

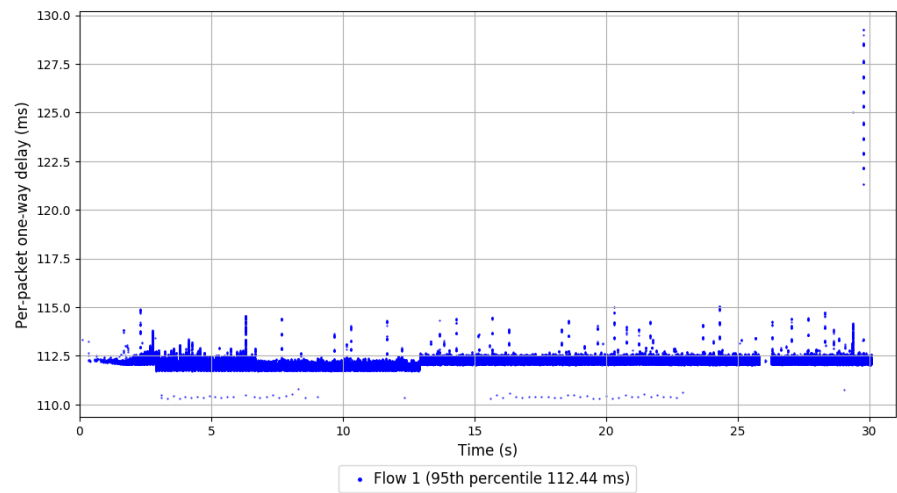
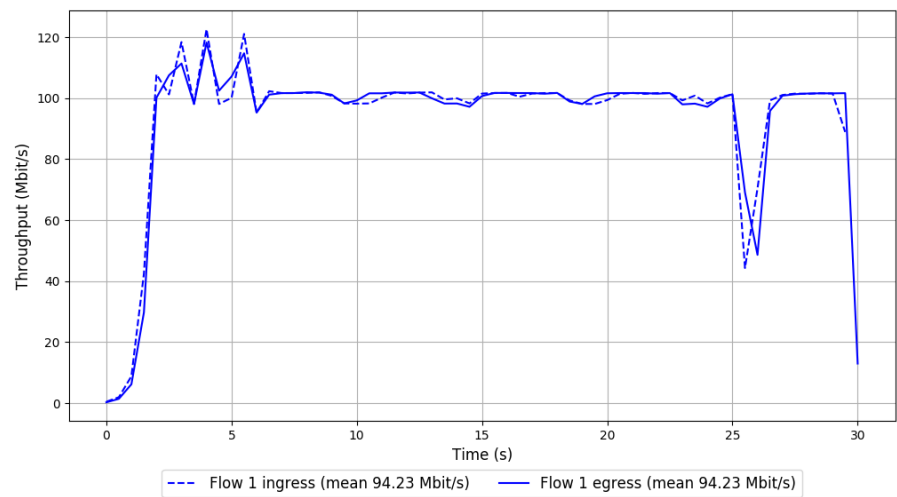
-- Flow 1:

Average throughput: 94.23 Mbit/s

95th percentile per-packet one-way delay: 112.444 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-24 07:56:34

End at: 2018-04-24 07:57:04

Below is generated by plot.py at 2018-04-24 10:39:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.00 Mbit/s

95th percentile per-packet one-way delay: 112.017 ms

Loss rate: 0.00%

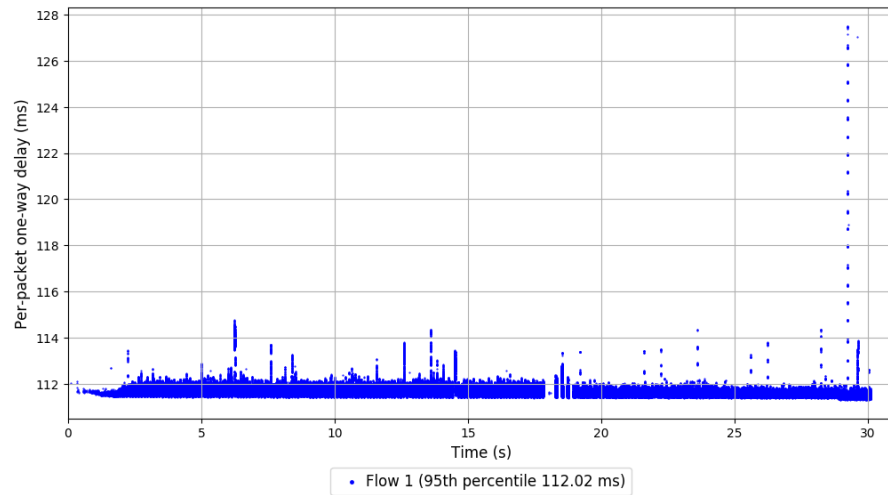
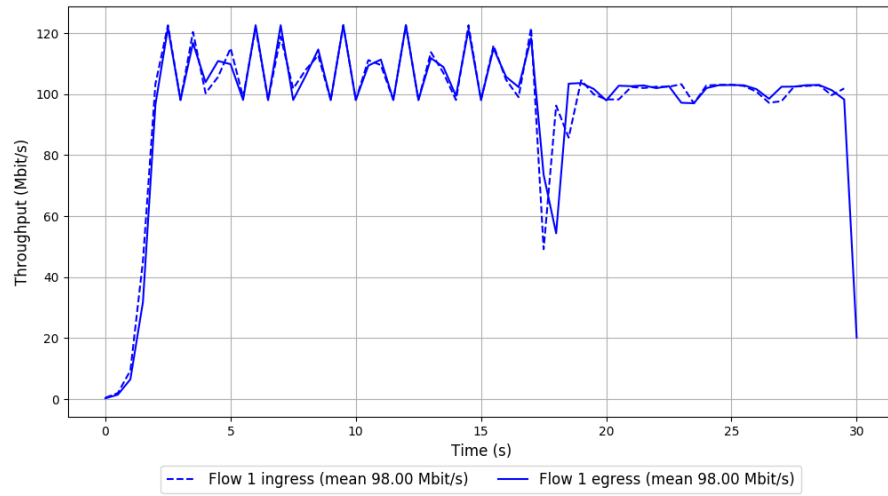
-- Flow 1:

Average throughput: 98.00 Mbit/s

95th percentile per-packet one-way delay: 112.017 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-24 08:10:15

End at: 2018-04-24 08:10:45

Below is generated by plot.py at 2018-04-24 10:39:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.99 Mbit/s

95th percentile per-packet one-way delay: 112.604 ms

Loss rate: 0.00%

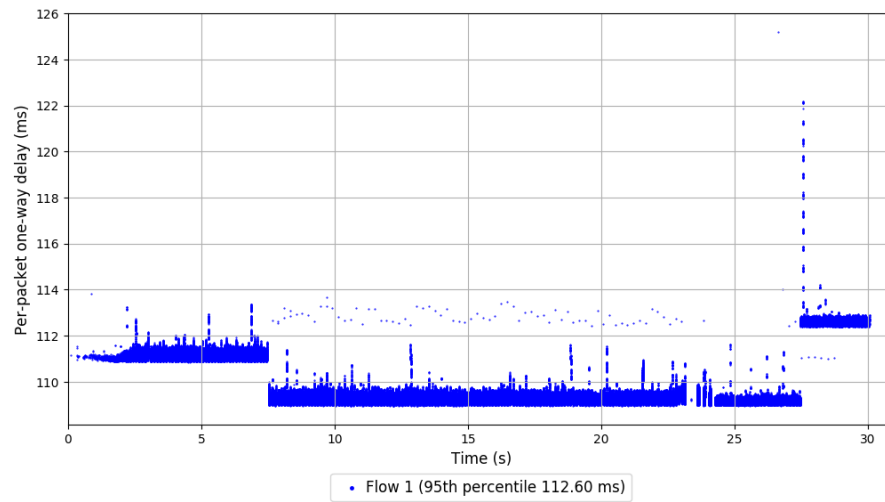
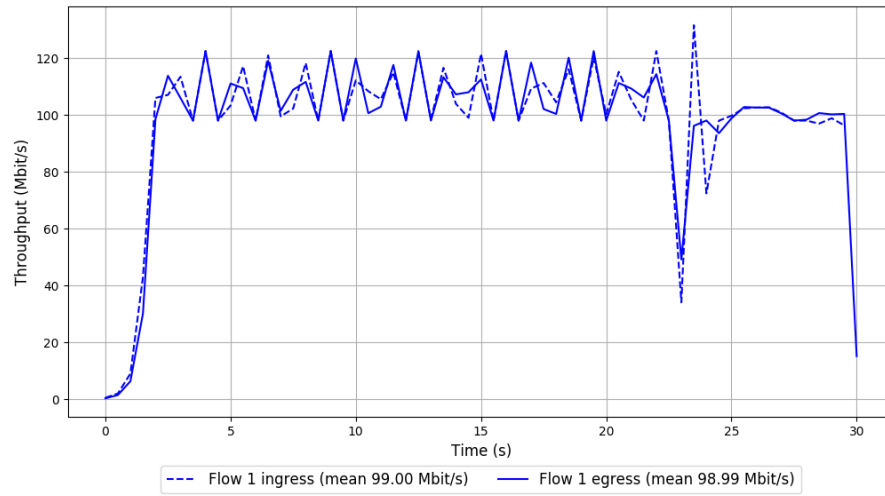
-- Flow 1:

Average throughput: 98.99 Mbit/s

95th percentile per-packet one-way delay: 112.604 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-24 08:24:09

End at: 2018-04-24 08:24:39

Below is generated by plot.py at 2018-04-24 10:39:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.27 Mbit/s

95th percentile per-packet one-way delay: 112.548 ms

Loss rate: 0.00%

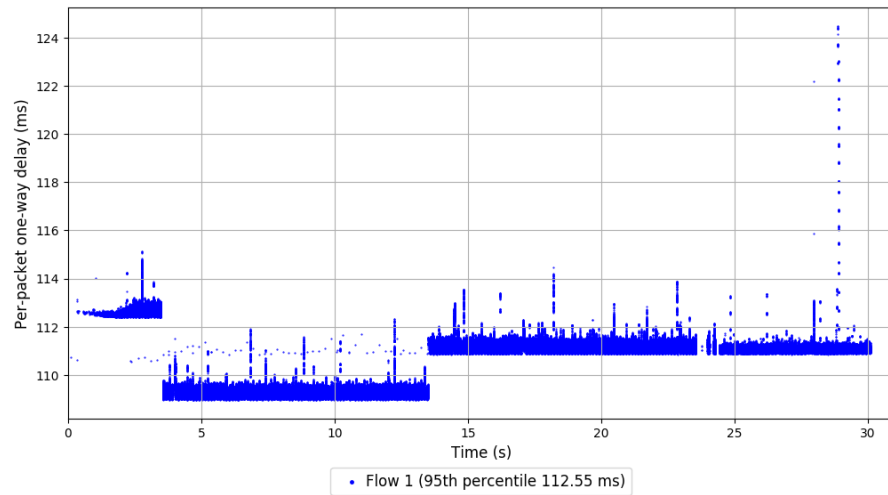
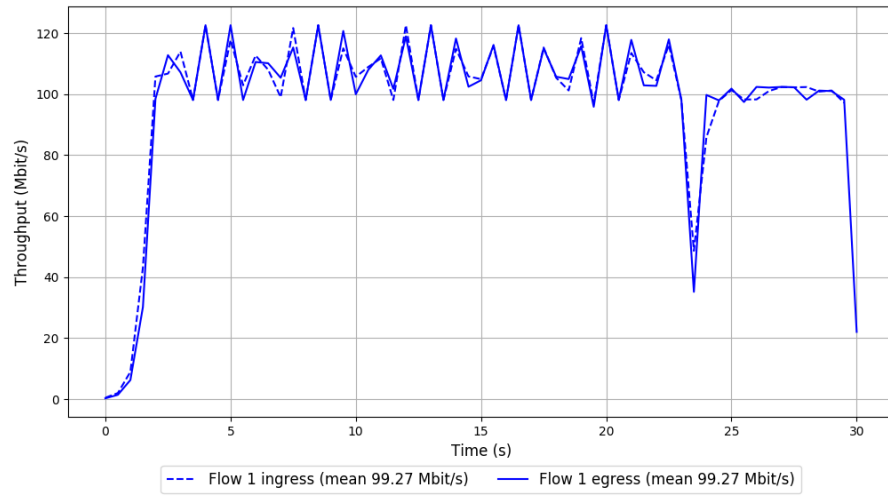
-- Flow 1:

Average throughput: 99.27 Mbit/s

95th percentile per-packet one-way delay: 112.548 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-24 08:37:51

End at: 2018-04-24 08:38:21

Below is generated by plot.py at 2018-04-24 10:39:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.61 Mbit/s

95th percentile per-packet one-way delay: 111.083 ms

Loss rate: 0.00%

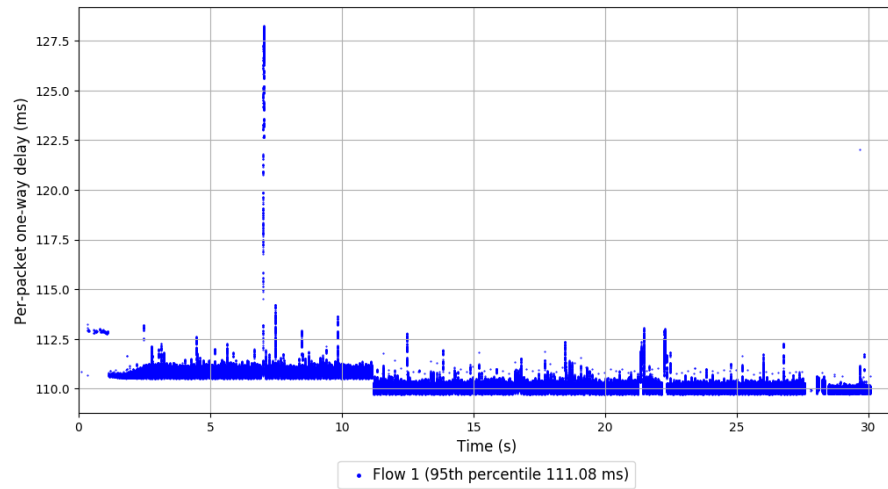
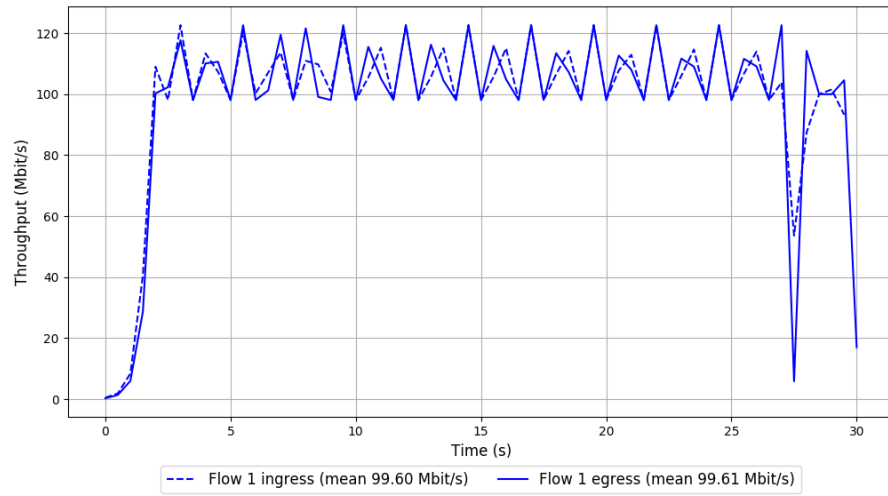
-- Flow 1:

Average throughput: 99.61 Mbit/s

95th percentile per-packet one-way delay: 111.083 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-24 08:51:44

End at: 2018-04-24 08:52:14

Below is generated by plot.py at 2018-04-24 10:39:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 113.130 ms

Loss rate: 0.01%

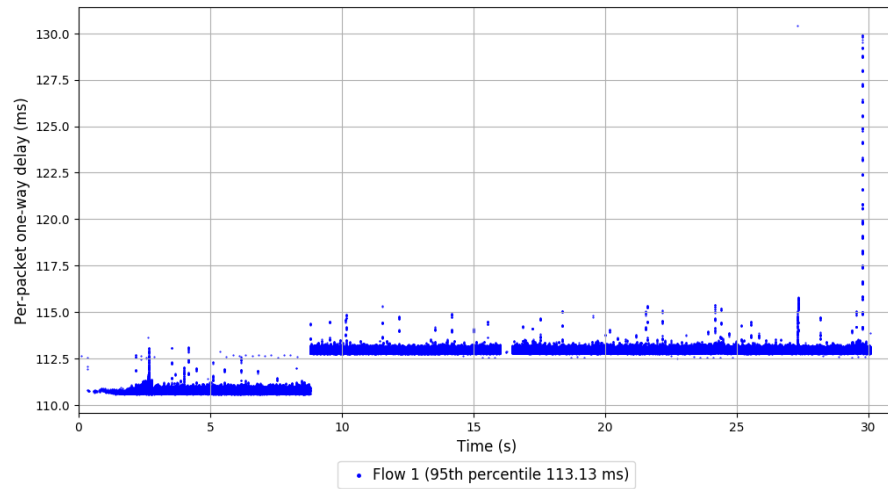
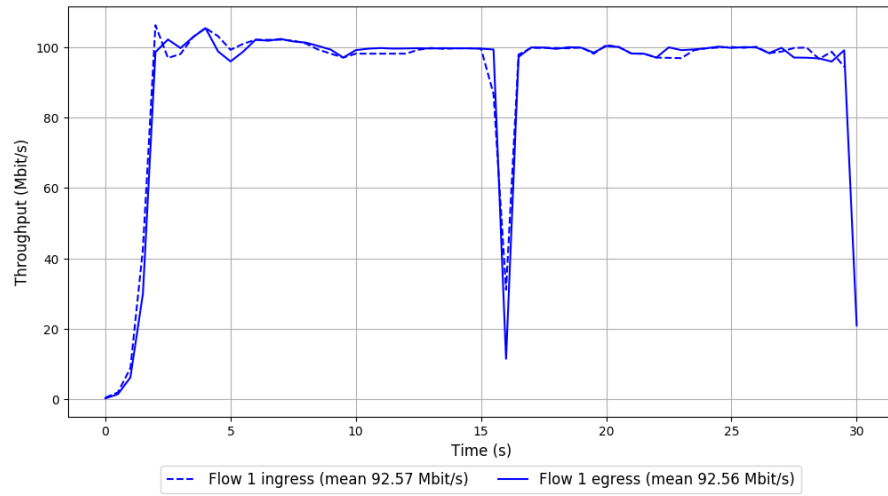
-- Flow 1:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 113.130 ms

Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-24 09:05:29

End at: 2018-04-24 09:05:59

Below is generated by plot.py at 2018-04-24 10:39:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 113.535 ms

Loss rate: 0.00%

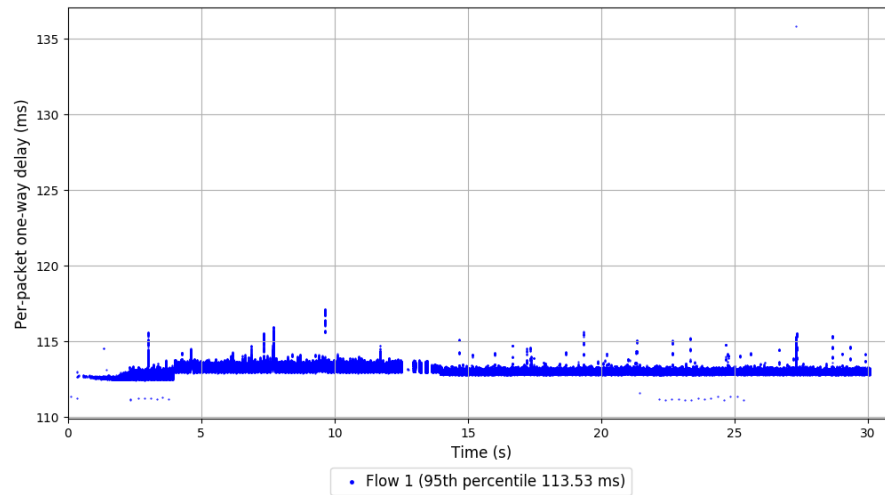
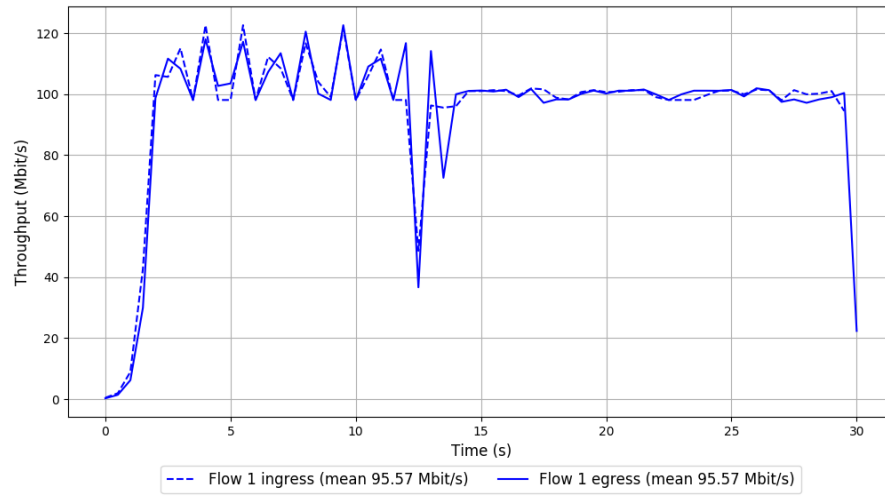
-- Flow 1:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 113.535 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-24 09:19:30

End at: 2018-04-24 09:20:00

Below is generated by plot.py at 2018-04-24 10:40:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 113.236 ms

Loss rate: 0.00%

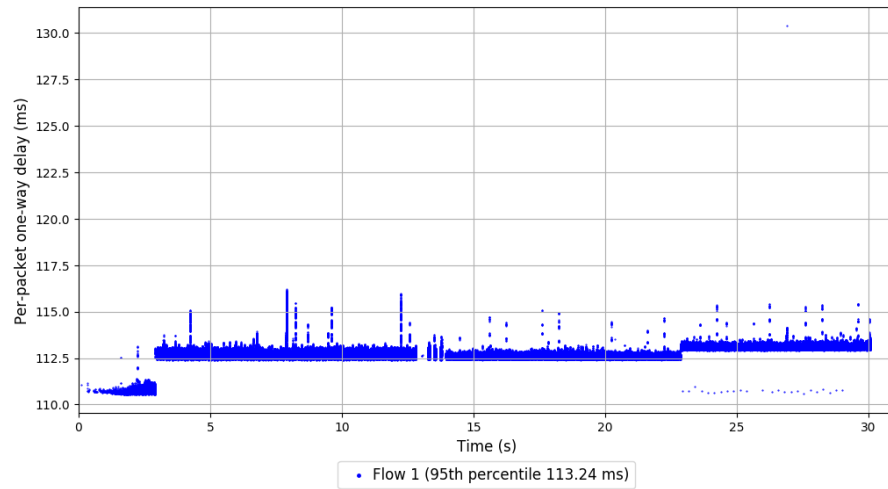
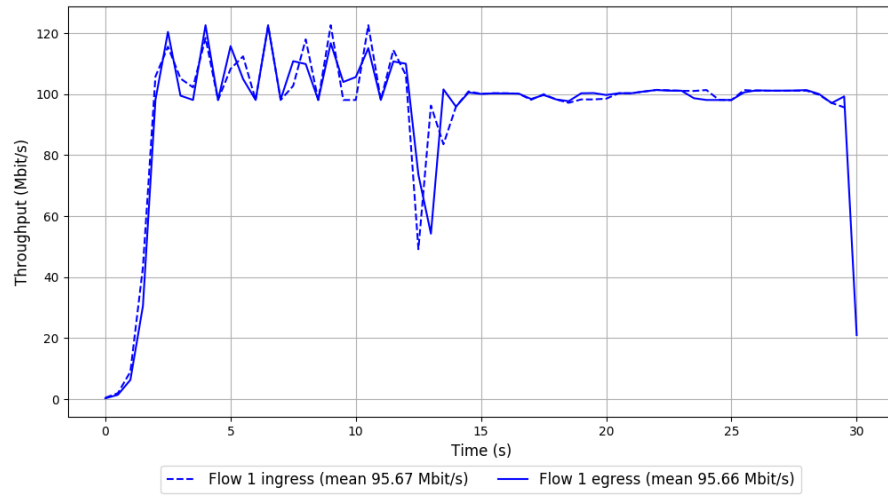
-- Flow 1:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 113.236 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 09:33:37

End at: 2018-04-24 09:34:07

Below is generated by plot.py at 2018-04-24 10:40:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 113.297 ms

Loss rate: 0.00%

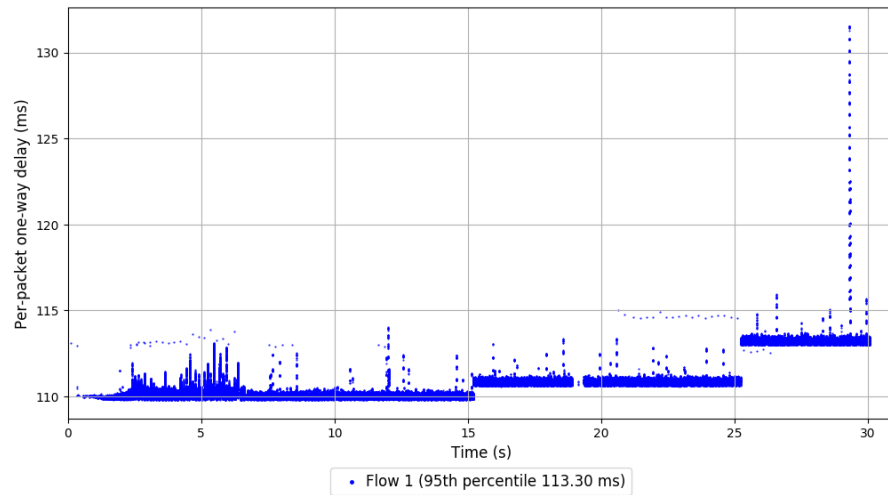
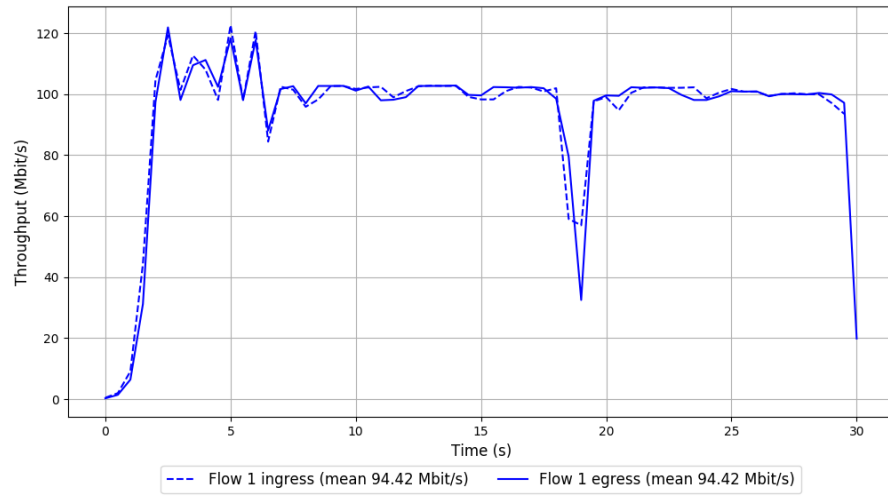
-- Flow 1:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 113.297 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 07:25:38

End at: 2018-04-24 07:26:08

Below is generated by plot.py at 2018-04-24 10:40:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.15 Mbit/s

95th percentile per-packet one-way delay: 120.631 ms

Loss rate: 0.00%

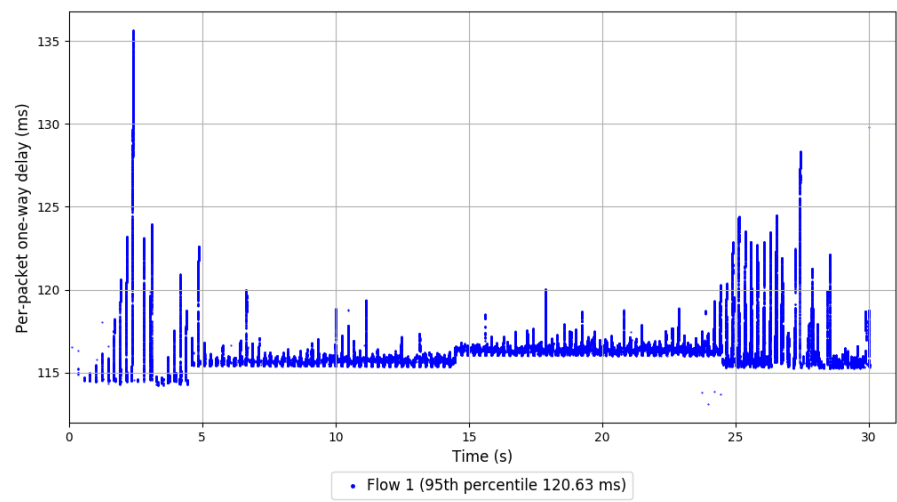
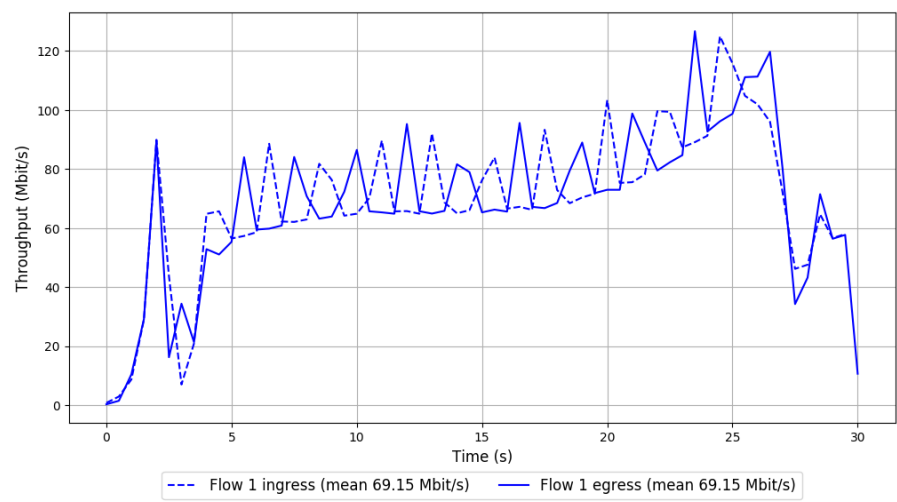
-- Flow 1:

Average throughput: 69.15 Mbit/s

95th percentile per-packet one-way delay: 120.631 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 07:39:19

End at: 2018-04-24 07:39:49

Below is generated by plot.py at 2018-04-24 10:40:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.37 Mbit/s

95th percentile per-packet one-way delay: 121.312 ms

Loss rate: 0.00%

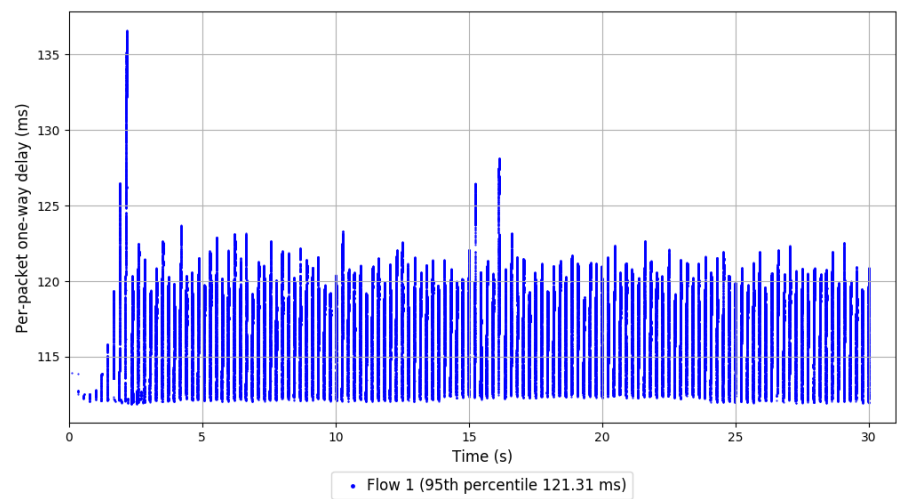
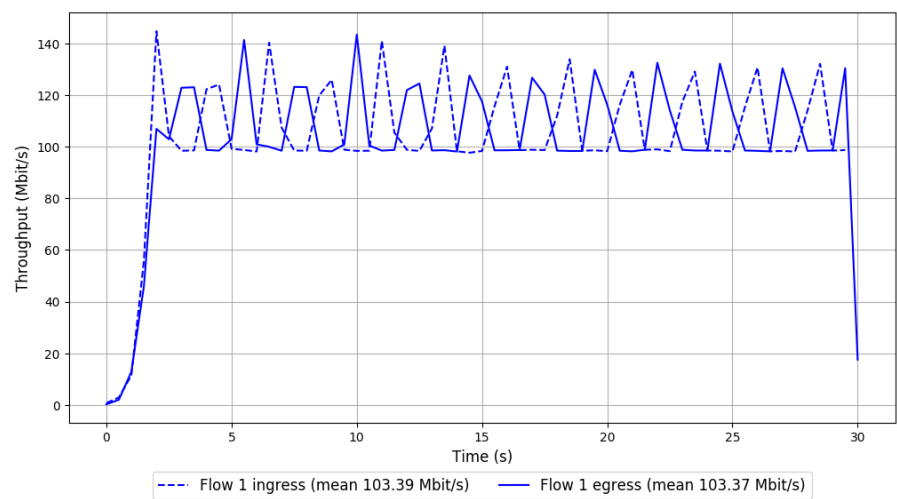
-- Flow 1:

Average throughput: 103.37 Mbit/s

95th percentile per-packet one-way delay: 121.312 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

End at: 2018-04-24 07:53:43

Below is generated by plot.py at 2018-04-24 10:40:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.27 Mbit/s

95th percentile per-packet one-way delay: 121.188 ms

Loss rate: 0.00%

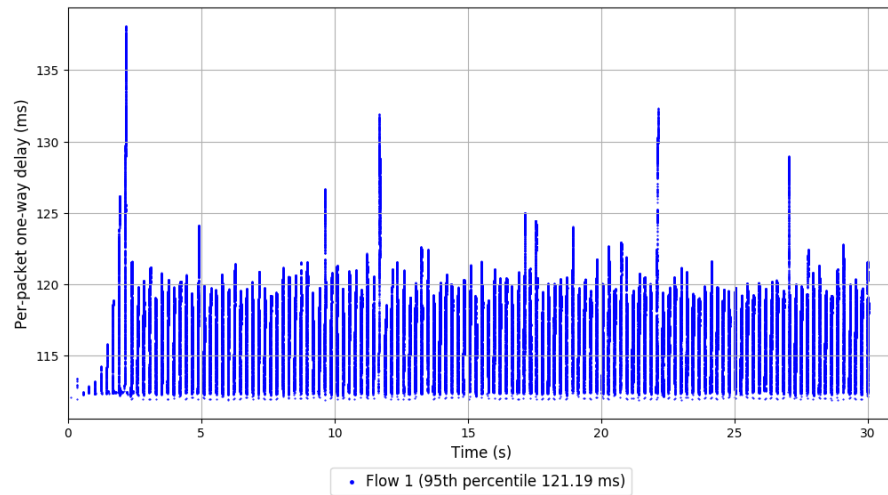
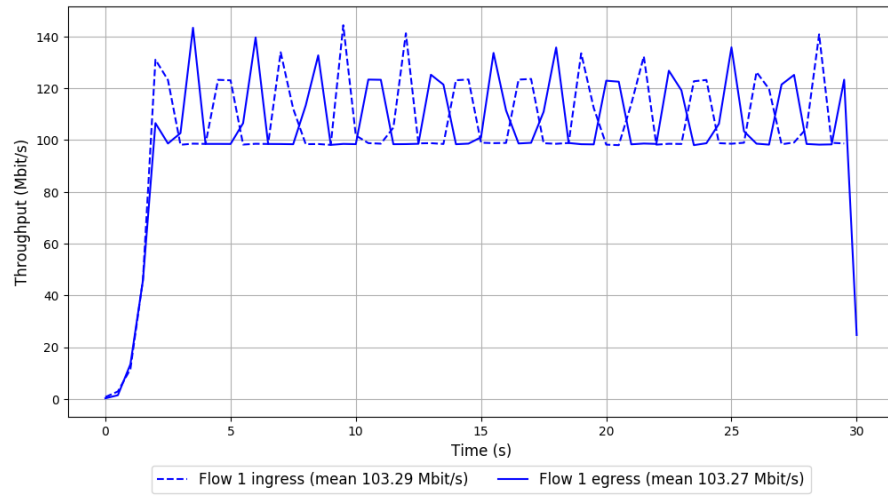
-- Flow 1:

Average throughput: 103.27 Mbit/s

95th percentile per-packet one-way delay: 121.188 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 08:06:54

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

Below is generated by plot.py at 2018-04-24 10:40:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.62 Mbit/s

95th percentile per-packet one-way delay: 120.772 ms

Loss rate: 0.00%

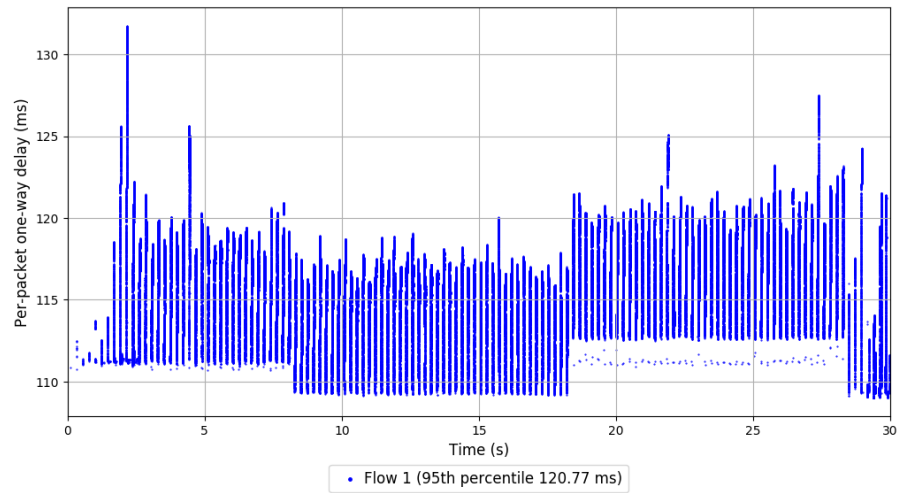
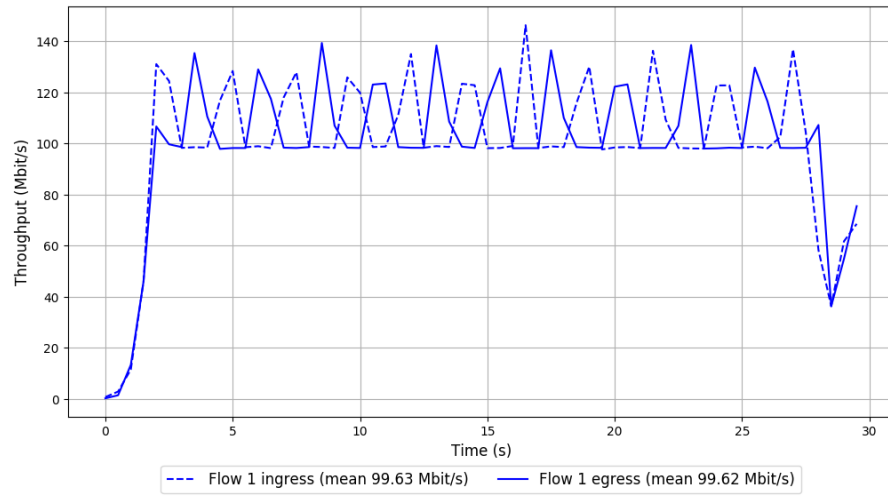
-- Flow 1:

Average throughput: 99.62 Mbit/s

95th percentile per-packet one-way delay: 120.772 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 08:20:50

End at: 2018-04-24 08:21:20

Below is generated by plot.py at 2018-04-24 10:40:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 121.974 ms

Loss rate: 0.00%

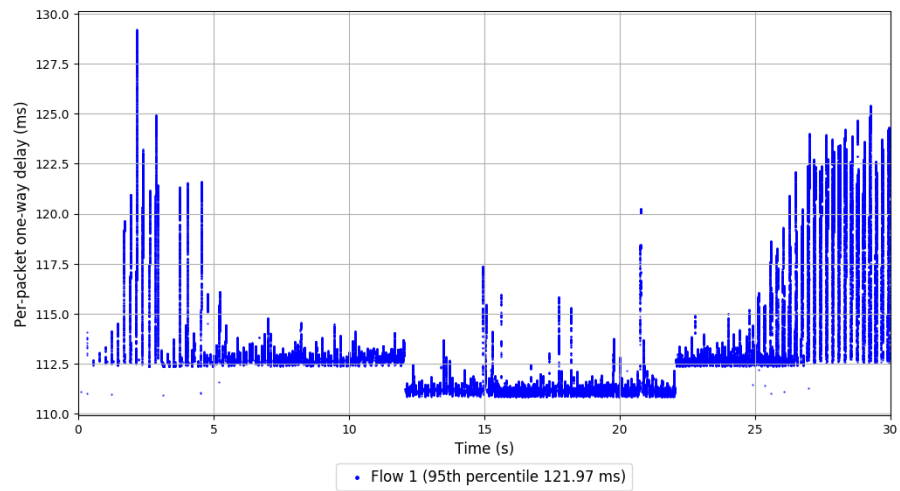
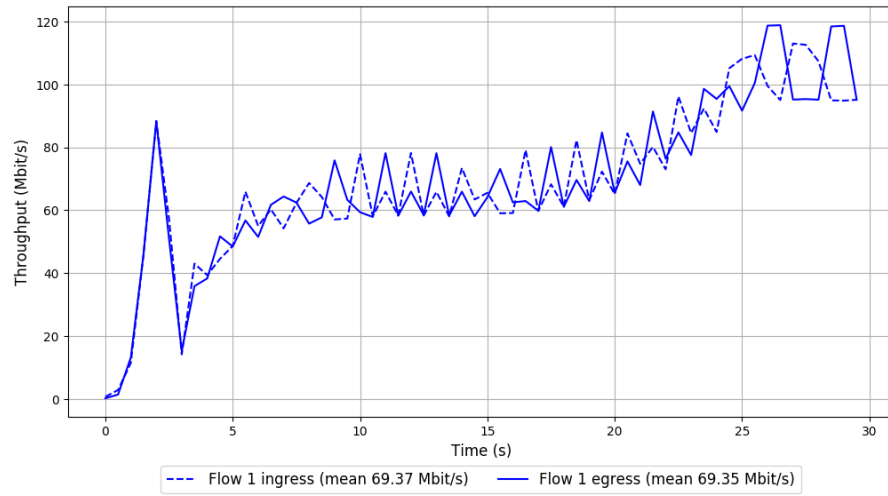
-- Flow 1:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 121.974 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 08:34:30

End at: 2018-04-24 08:35:00

Below is generated by plot.py at 2018-04-24 10:40:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.42 Mbit/s

95th percentile per-packet one-way delay: 119.458 ms

Loss rate: 0.00%

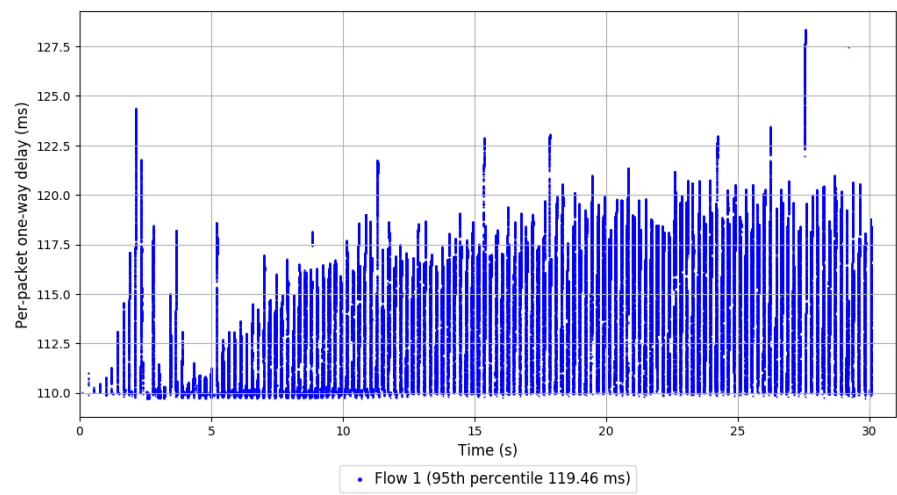
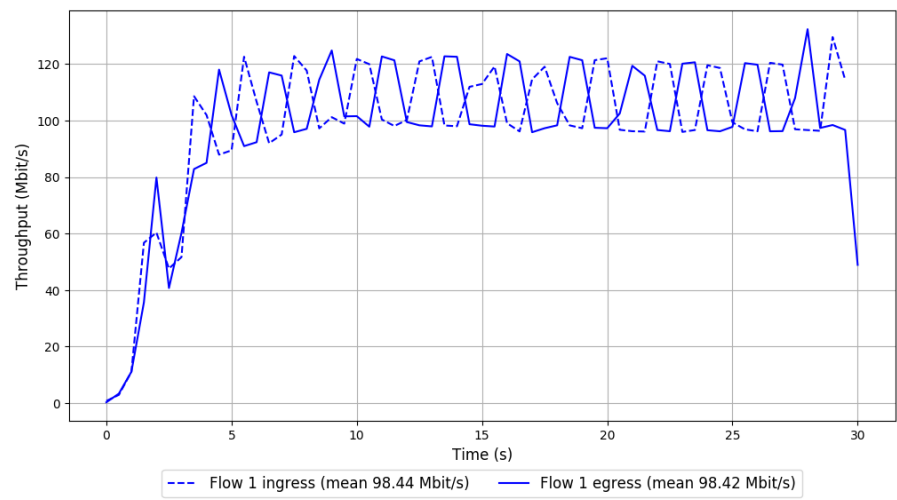
-- Flow 1:

Average throughput: 98.42 Mbit/s

95th percentile per-packet one-way delay: 119.458 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 08:48:24

End at: 2018-04-24 08:48:54

Below is generated by plot.py at 2018-04-24 10:41:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.50 Mbit/s

95th percentile per-packet one-way delay: 119.202 ms

Loss rate: 0.00%

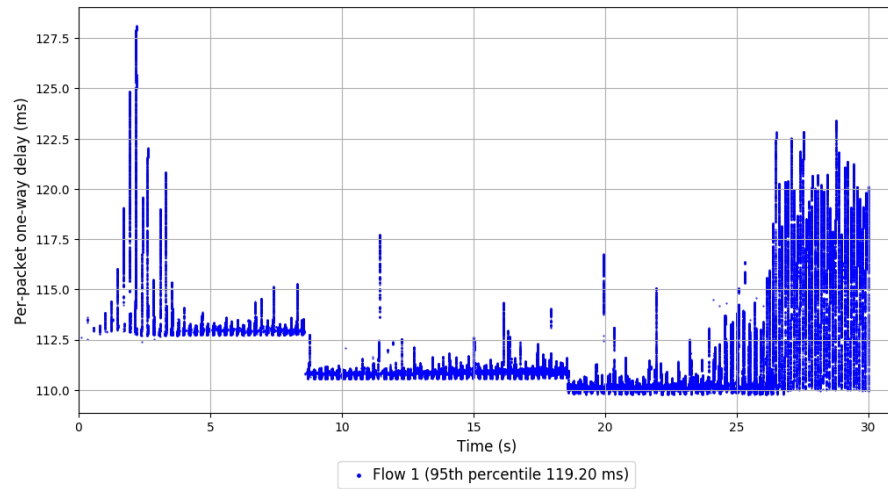
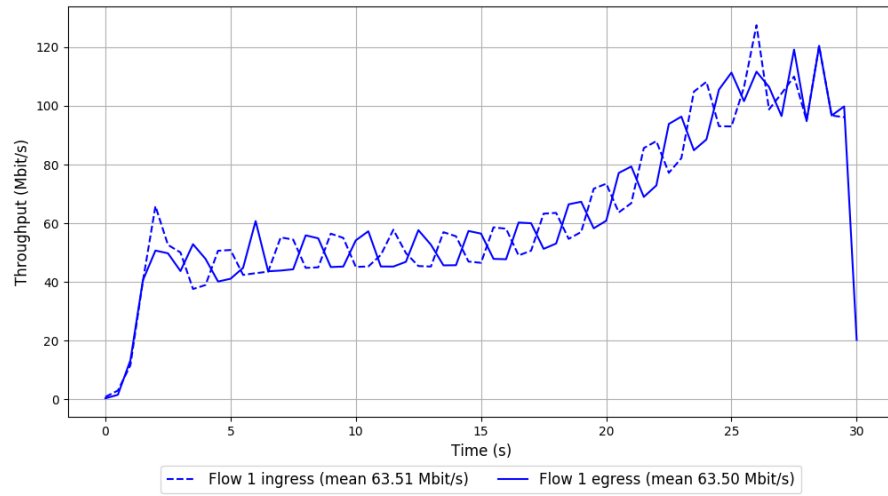
-- Flow 1:

Average throughput: 63.50 Mbit/s

95th percentile per-packet one-way delay: 119.202 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 09:02:08

End at: 2018-04-24 09:02:38

Below is generated by plot.py at 2018-04-24 10:41:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.20 Mbit/s

95th percentile per-packet one-way delay: 122.327 ms

Loss rate: 0.00%

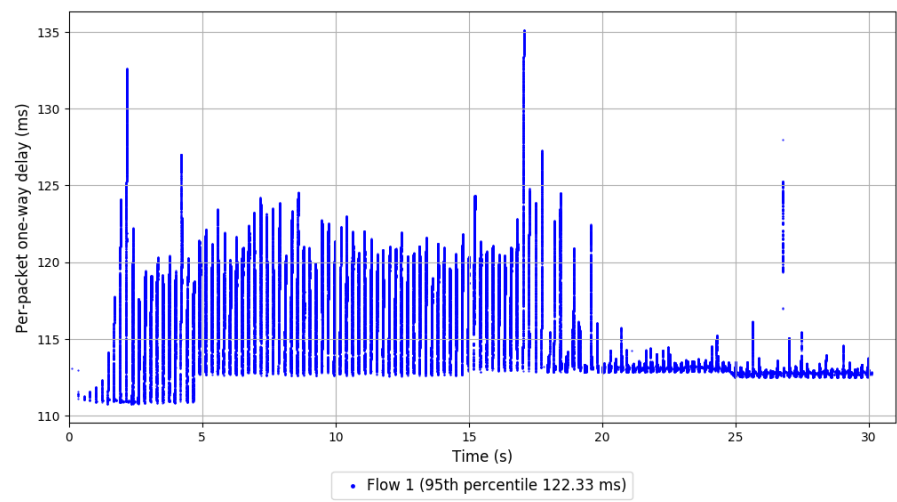
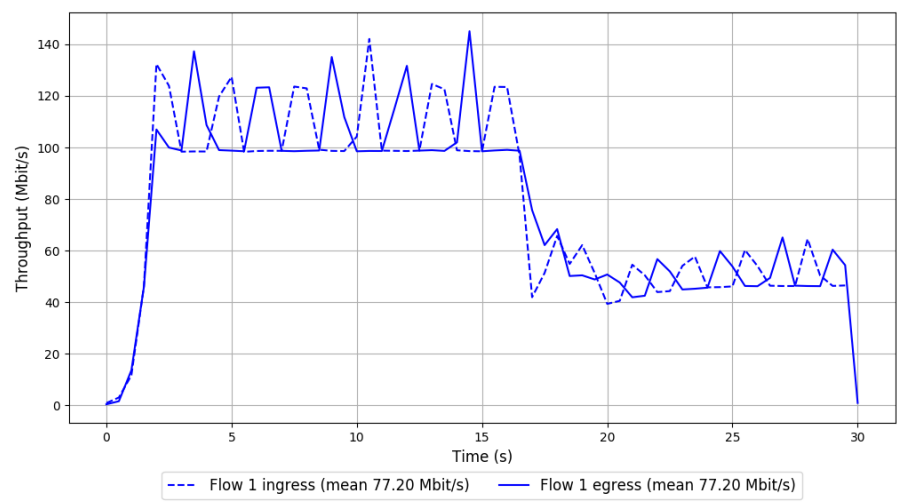
-- Flow 1:

Average throughput: 77.20 Mbit/s

95th percentile per-packet one-way delay: 122.327 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 09:16:11

End at: 2018-04-24 09:16:41

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 115.497 ms

Loss rate: 0.00%

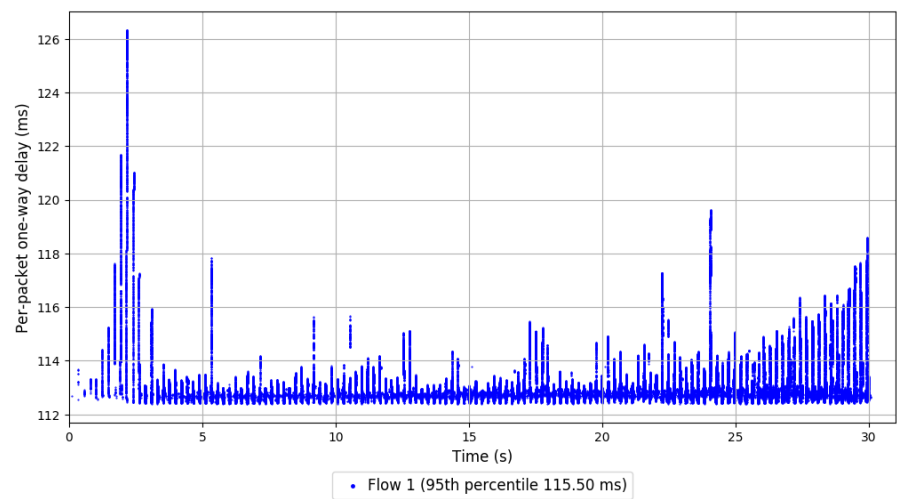
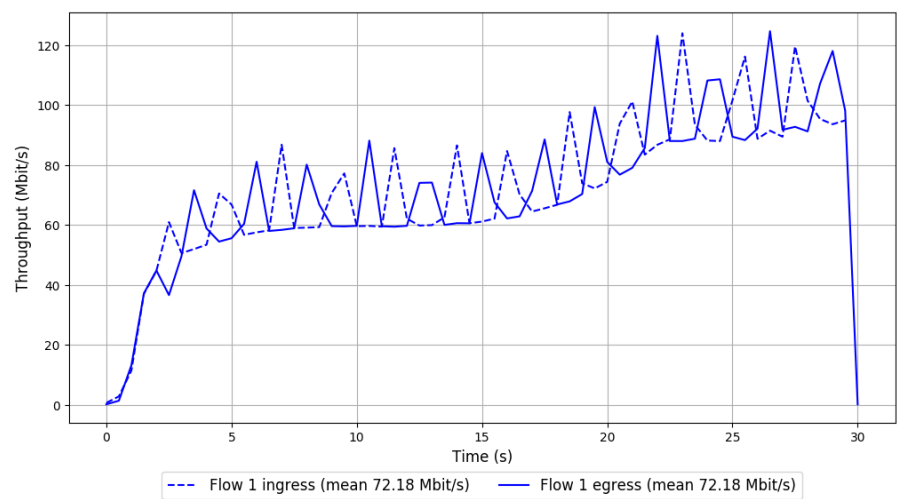
-- Flow 1:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 115.497 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 09:30:18

End at: 2018-04-24 09:30:48

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.35 Mbit/s

95th percentile per-packet one-way delay: 119.572 ms

Loss rate: 0.00%

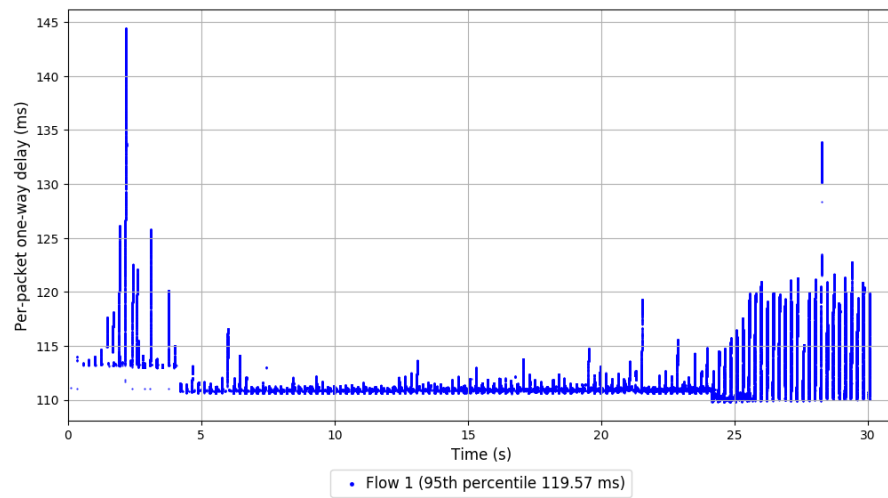
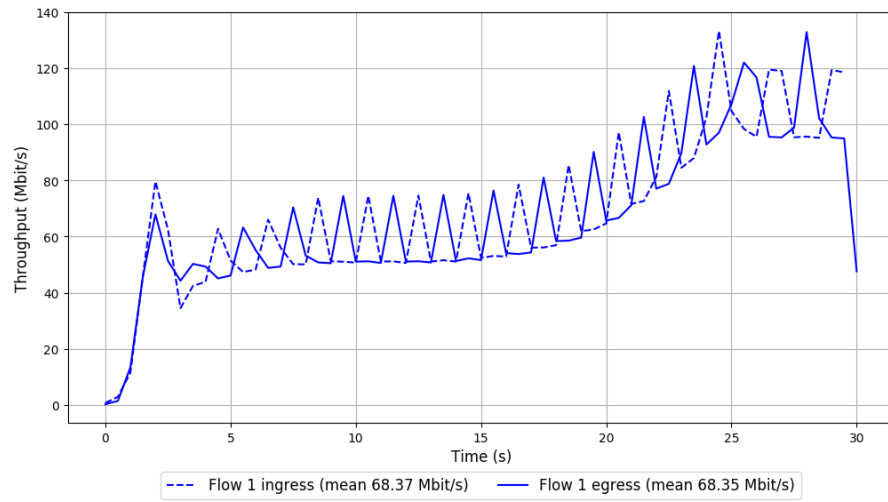
-- Flow 1:

Average throughput: 68.35 Mbit/s

95th percentile per-packet one-way delay: 119.572 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

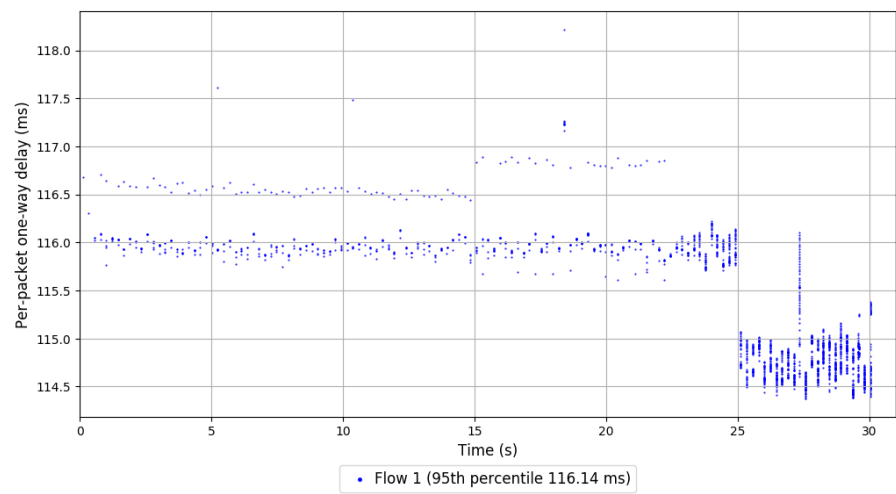
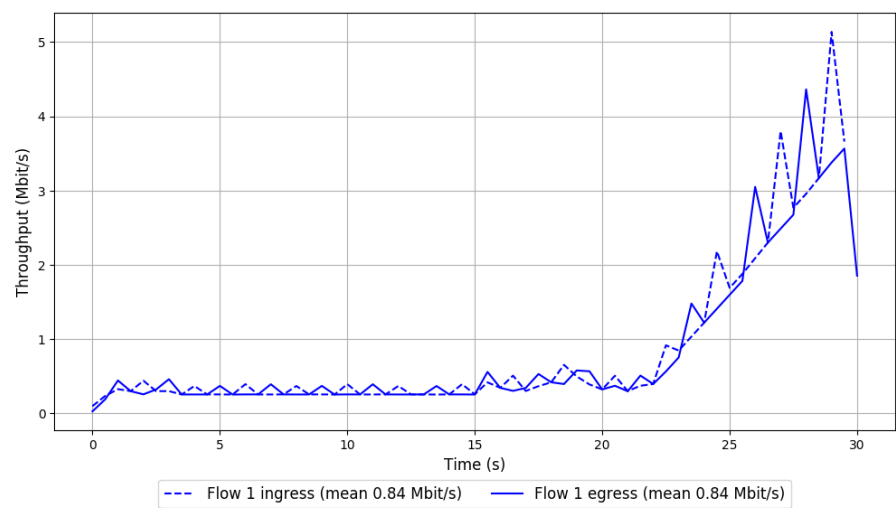


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 07:24:57
End at: 2018-04-24 07:25:27

# Below is generated by plot.py at 2018-04-24 10:41:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 116.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 116.136 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

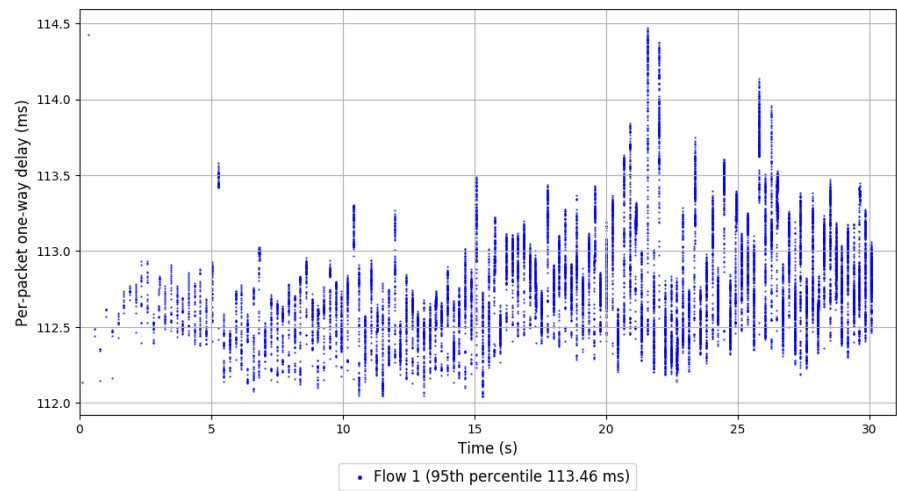
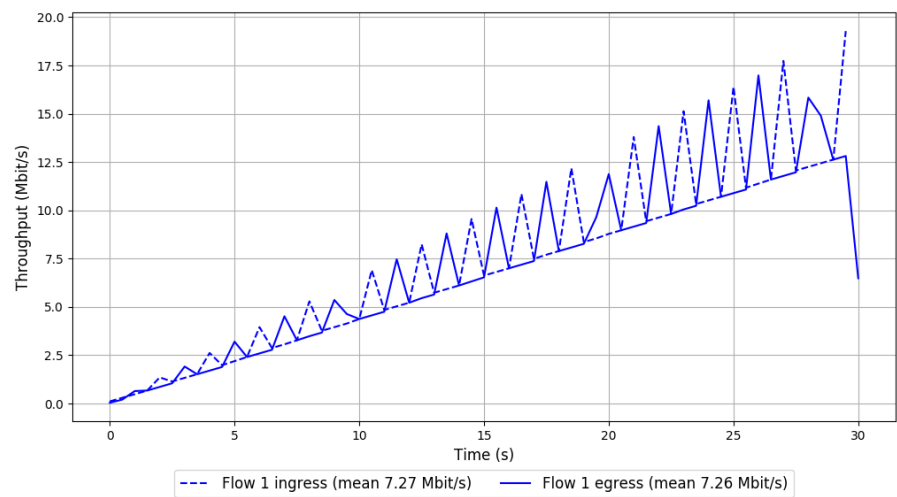


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-24 07:38:37
End at: 2018-04-24 07:39:07

# Below is generated by plot.py at 2018-04-24 10:41:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 113.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 113.459 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-24 07:52:31

End at: 2018-04-24 07:53:01

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 113.280 ms

Loss rate: 0.00%

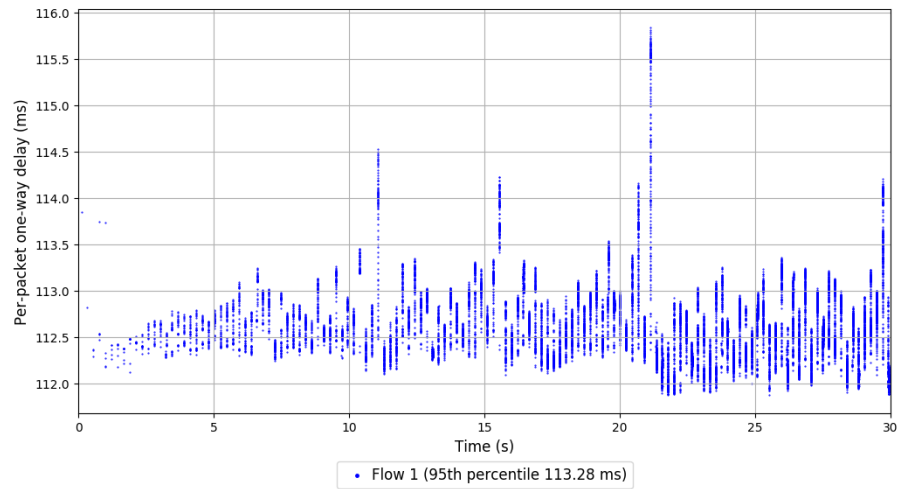
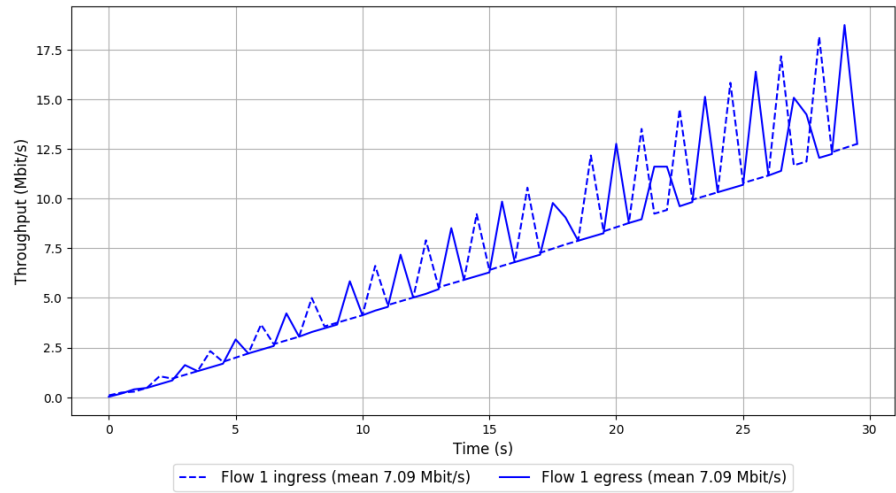
-- Flow 1:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 113.280 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-24 08:06:13

End at: 2018-04-24 08:06:43

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 111.813 ms

Loss rate: 0.00%

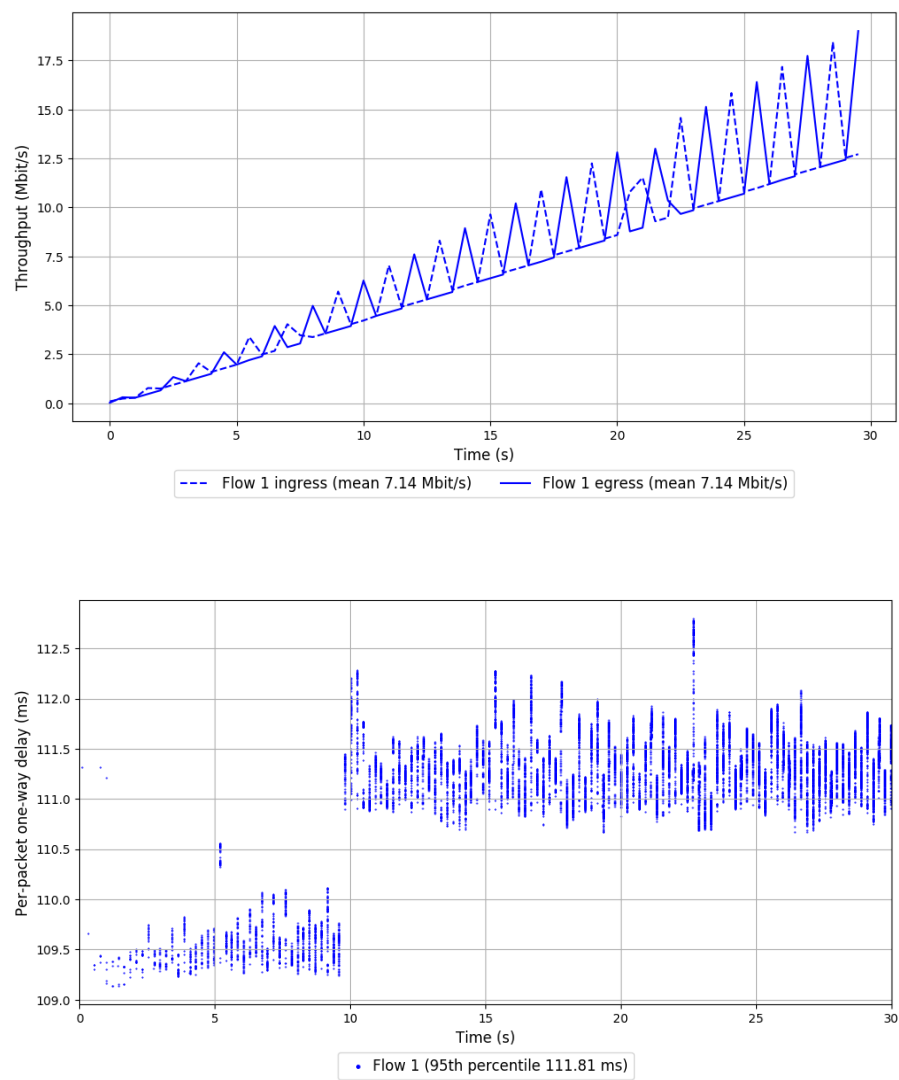
-- Flow 1:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 111.813 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-24 08:20:09

End at: 2018-04-24 08:20:39

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 113.333 ms

Loss rate: 0.00%

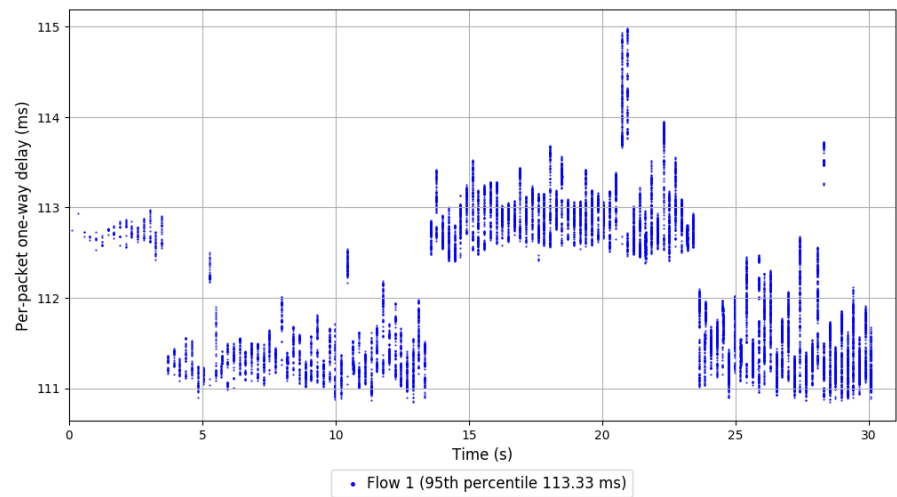
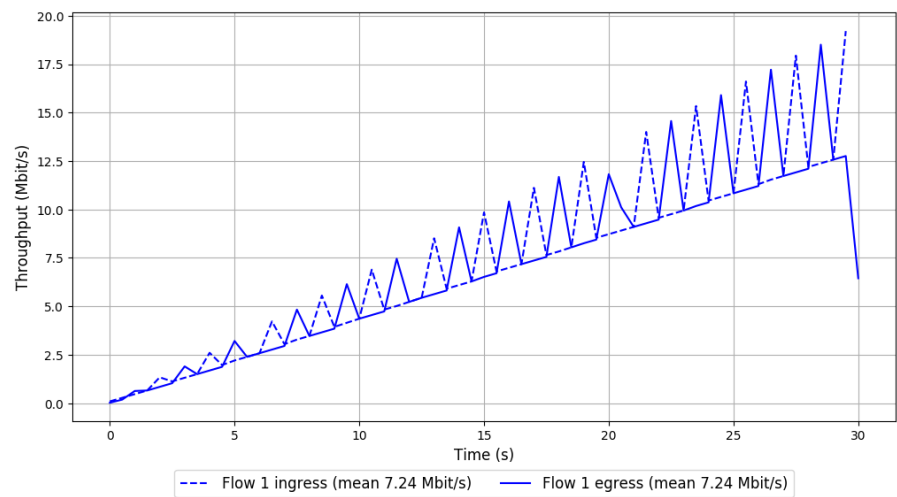
-- Flow 1:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 113.333 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-24 08:33:49

End at: 2018-04-24 08:34:19

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 113.378 ms

Loss rate: 0.00%

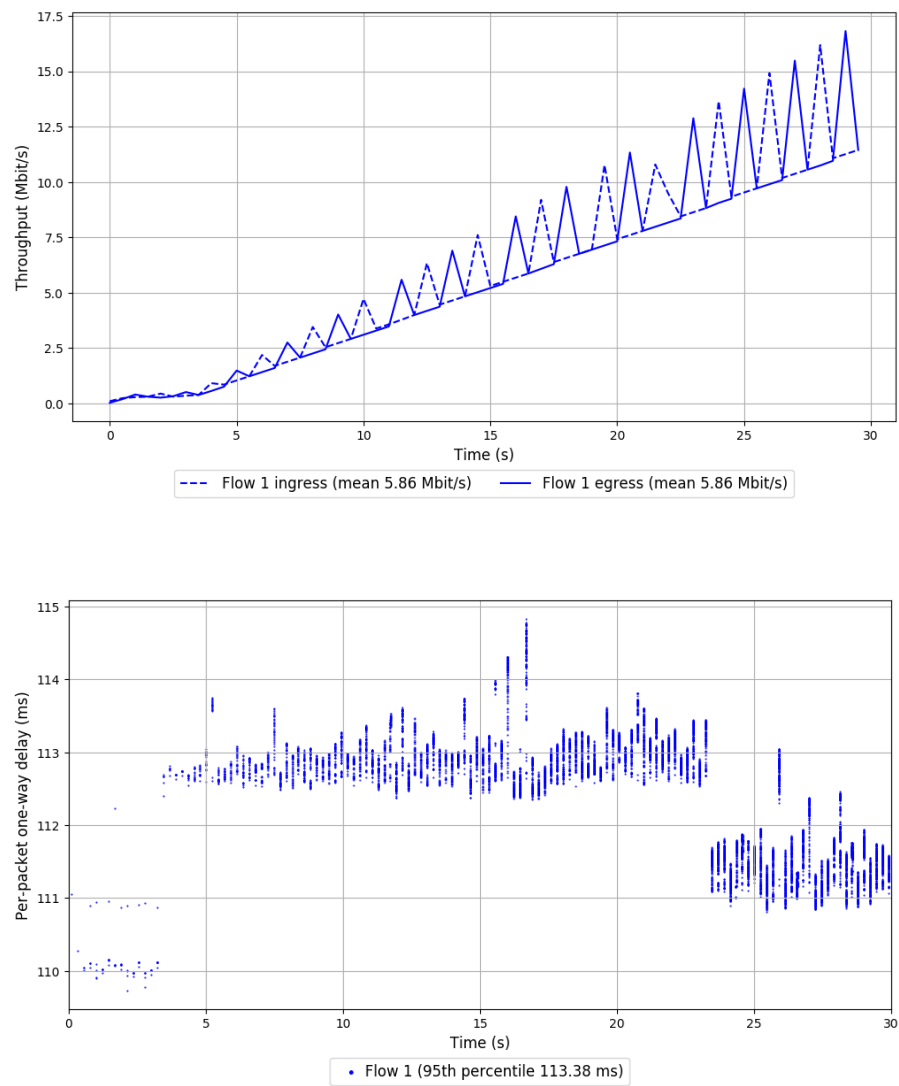
-- Flow 1:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 113.378 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-24 08:47:42

End at: 2018-04-24 08:48:12

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 111.602 ms

Loss rate: 0.00%

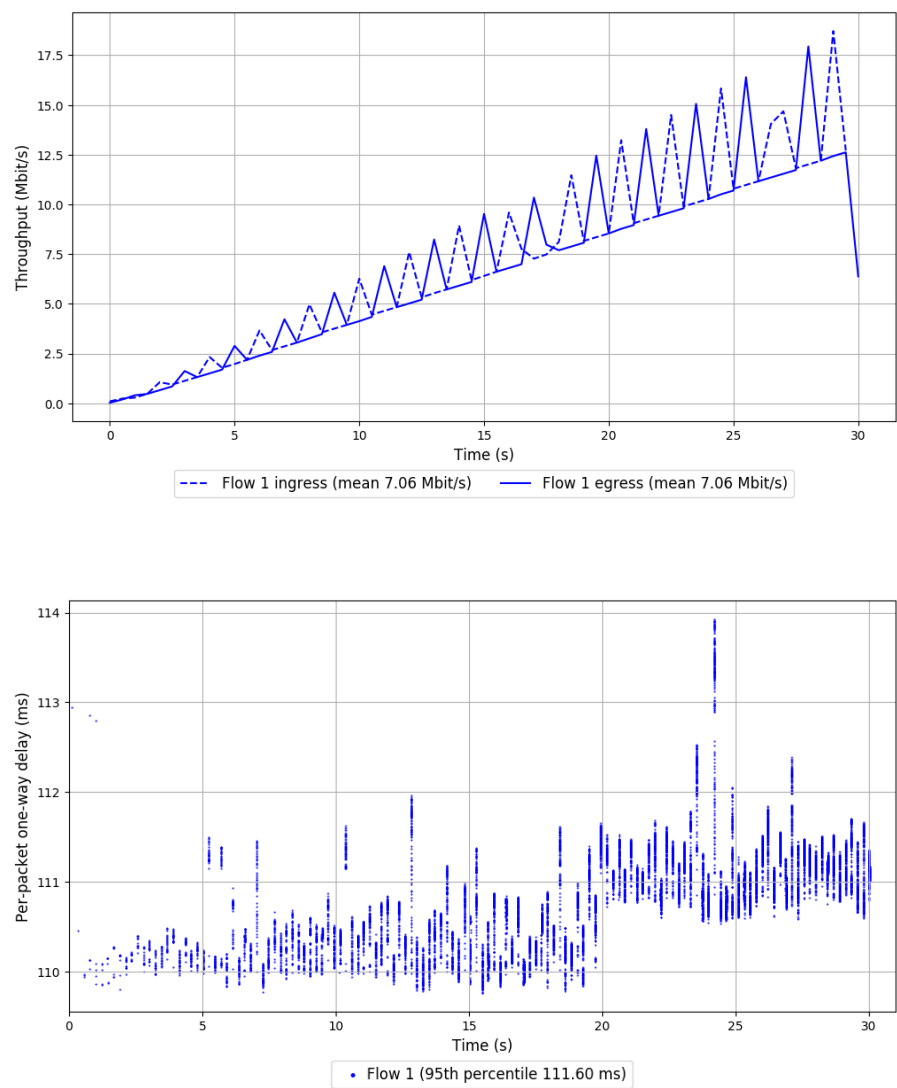
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 111.602 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 09:01:26

End at: 2018-04-24 09:01:56

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 114.366 ms

Loss rate: 0.00%

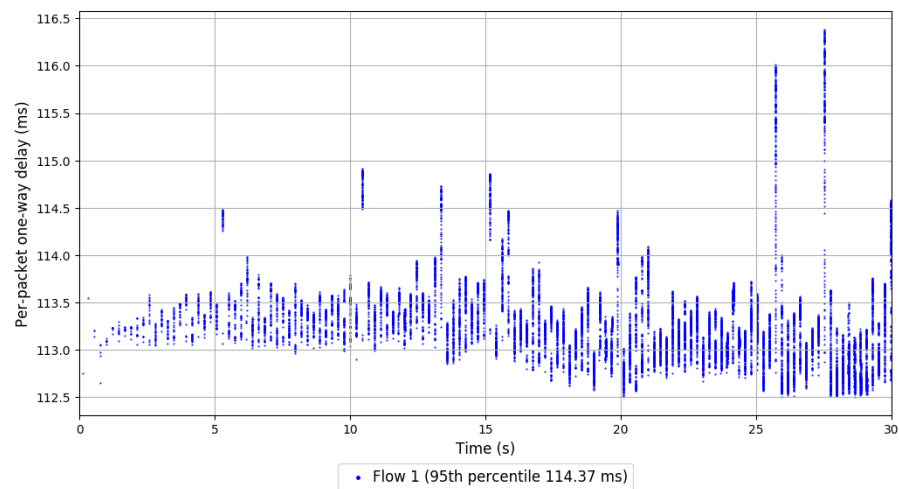
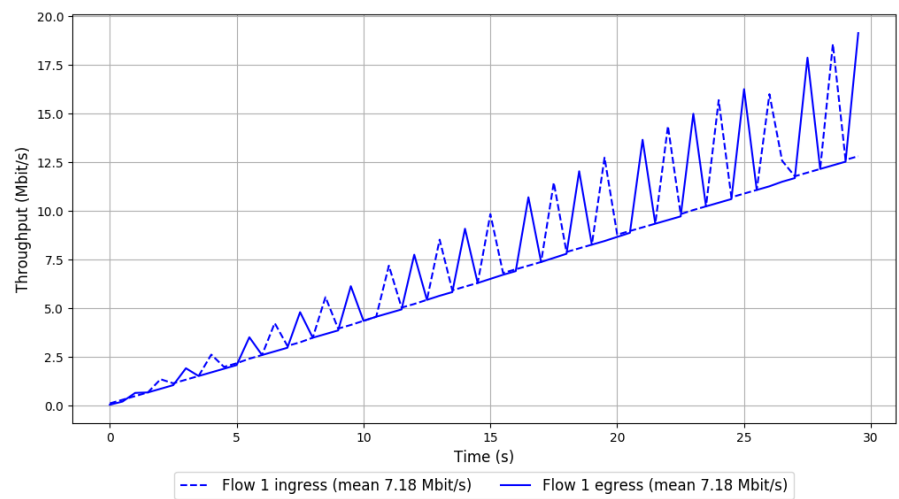
-- Flow 1:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 114.366 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-24 09:15:29

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

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 112.061 ms

Loss rate: 0.00%

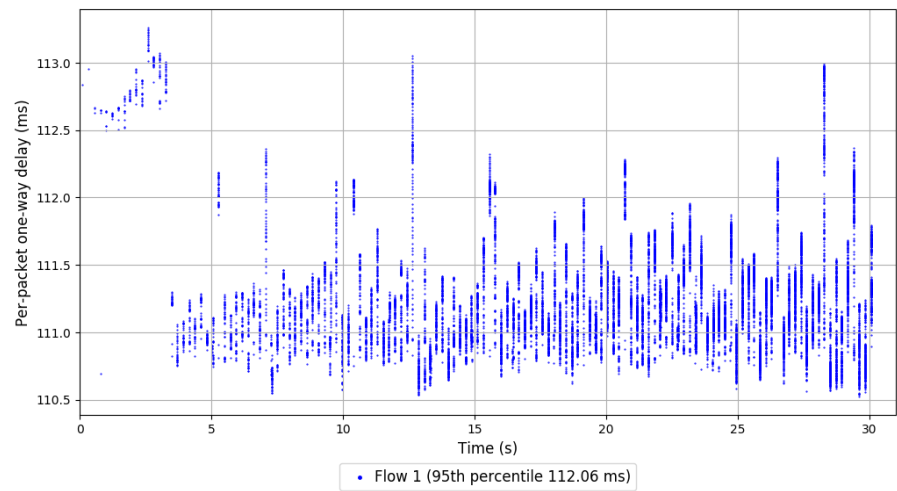
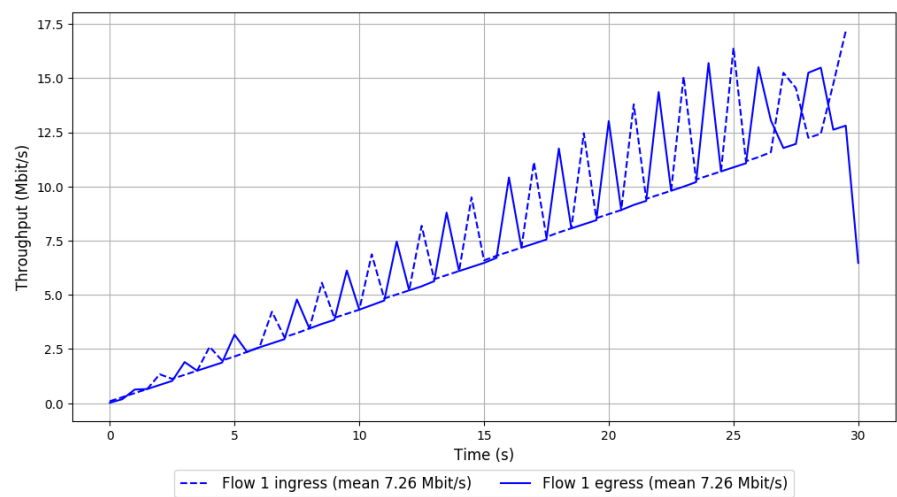
-- Flow 1:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 112.061 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-24 09:29:37

End at: 2018-04-24 09:30:07

Below is generated by plot.py at 2018-04-24 10:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.10 Mbit/s

95th percentile per-packet one-way delay: 114.194 ms

Loss rate: 0.00%

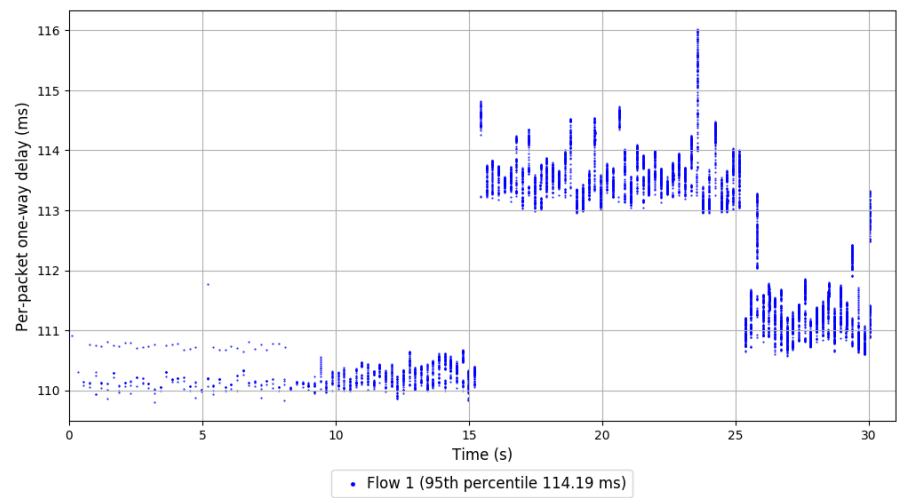
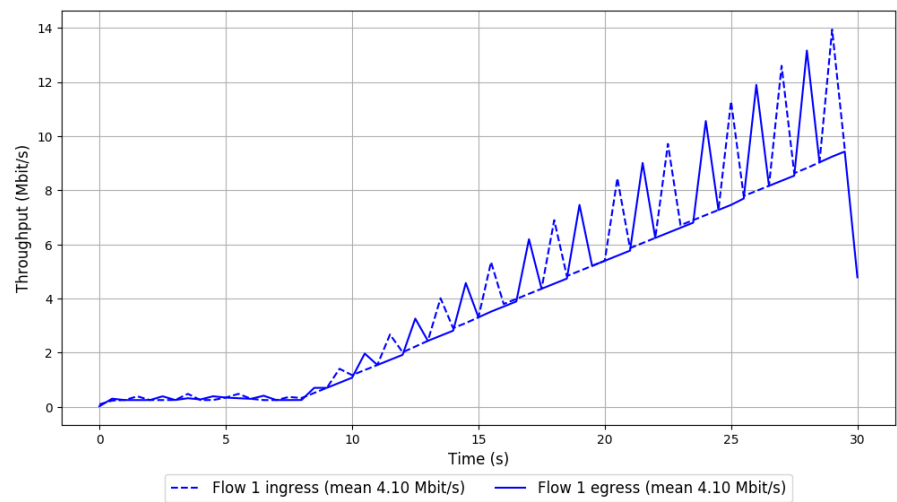
-- Flow 1:

Average throughput: 4.10 Mbit/s

95th percentile per-packet one-way delay: 114.194 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 07:27:54

End at: 2018-04-24 07:28:24

Below is generated by plot.py at 2018-04-24 10:49:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.14 Mbit/s

95th percentile per-packet one-way delay: 246.096 ms

Loss rate: 2.39%

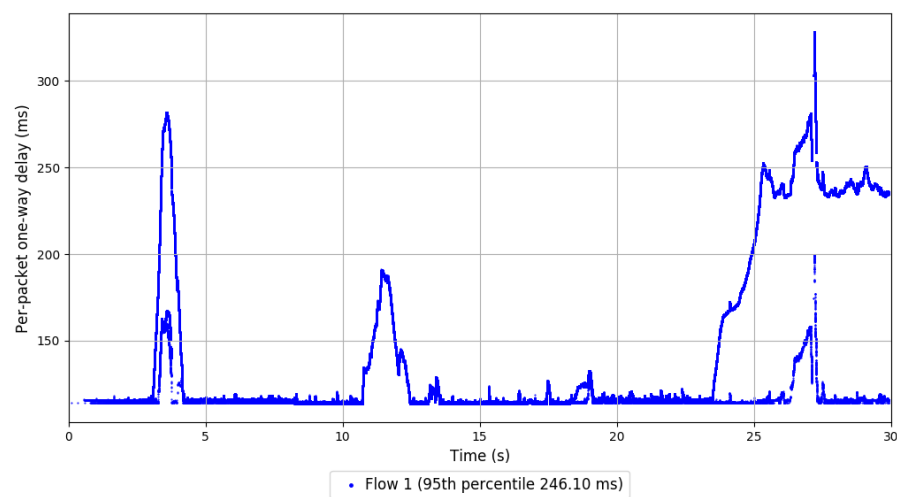
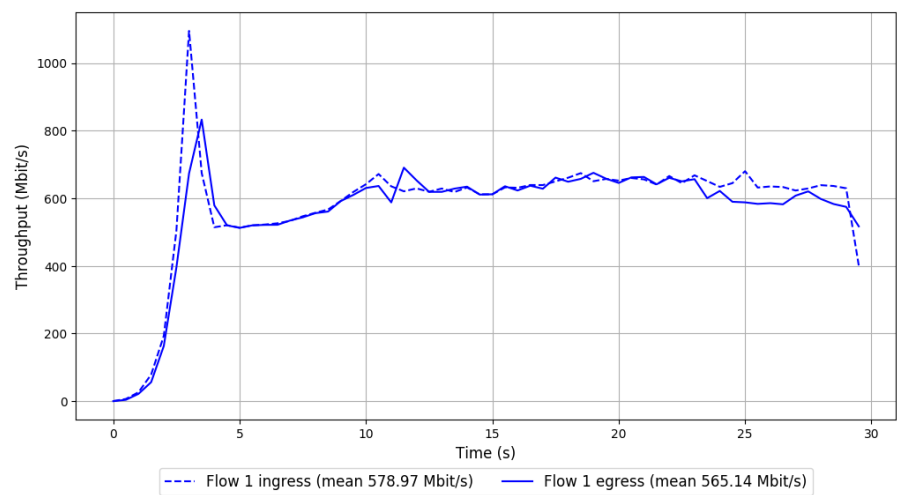
-- Flow 1:

Average throughput: 565.14 Mbit/s

95th percentile per-packet one-way delay: 246.096 ms

Loss rate: 2.39%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 07:41:38

End at: 2018-04-24 07:42:08

Below is generated by plot.py at 2018-04-24 10:49:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.71 Mbit/s

95th percentile per-packet one-way delay: 145.515 ms

Loss rate: 0.98%

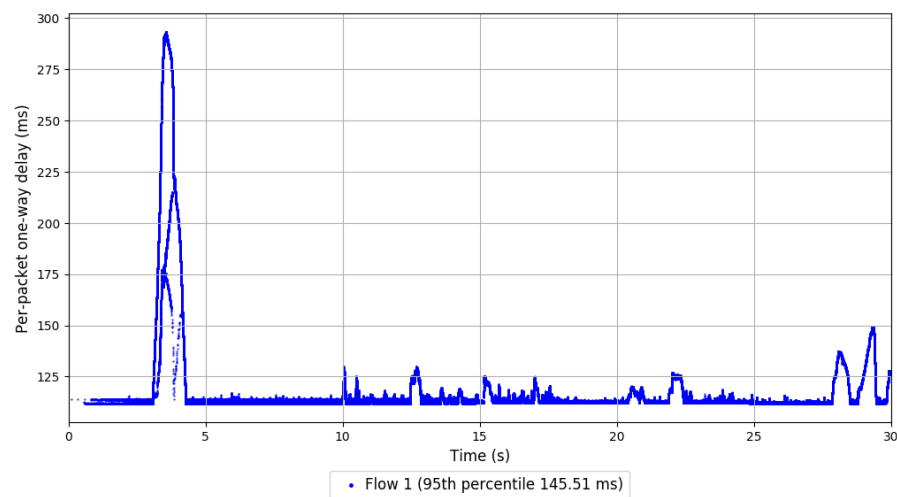
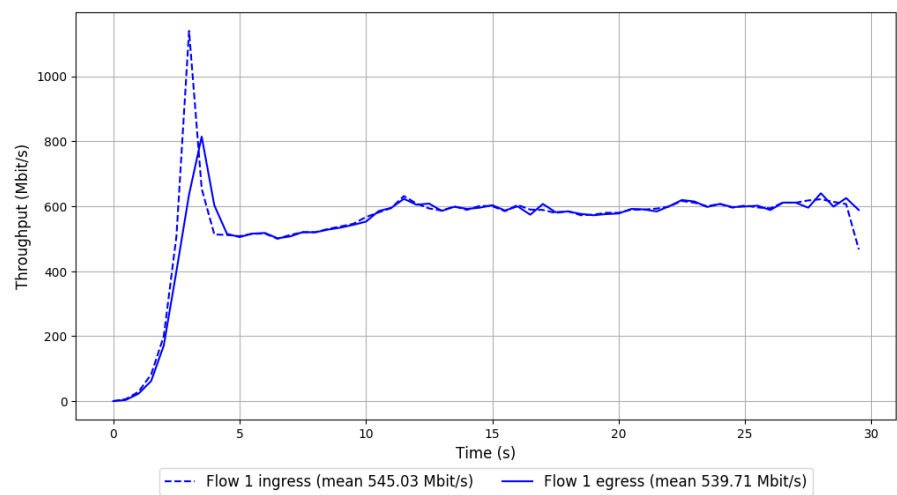
-- Flow 1:

Average throughput: 539.71 Mbit/s

95th percentile per-packet one-way delay: 145.515 ms

Loss rate: 0.98%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 07:55:32

End at: 2018-04-24 07:56:02

Below is generated by plot.py at 2018-04-24 10:49:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 543.08 Mbit/s

95th percentile per-packet one-way delay: 161.627 ms

Loss rate: 1.22%

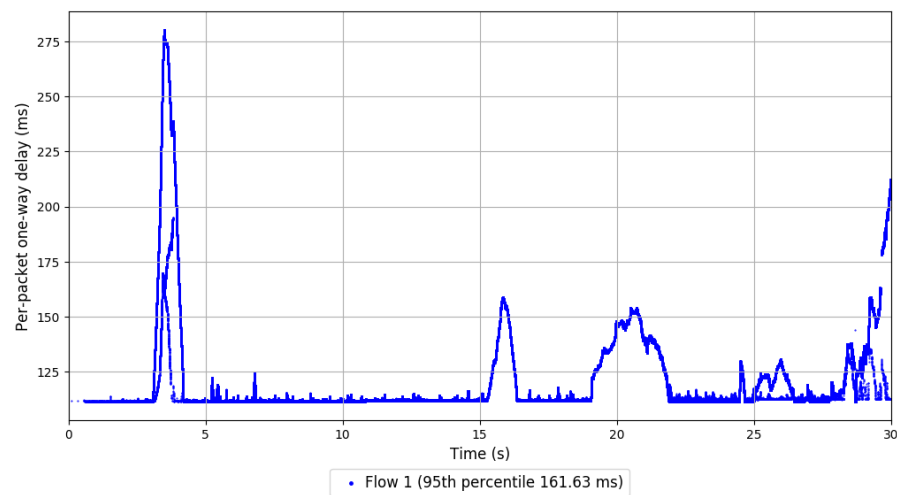
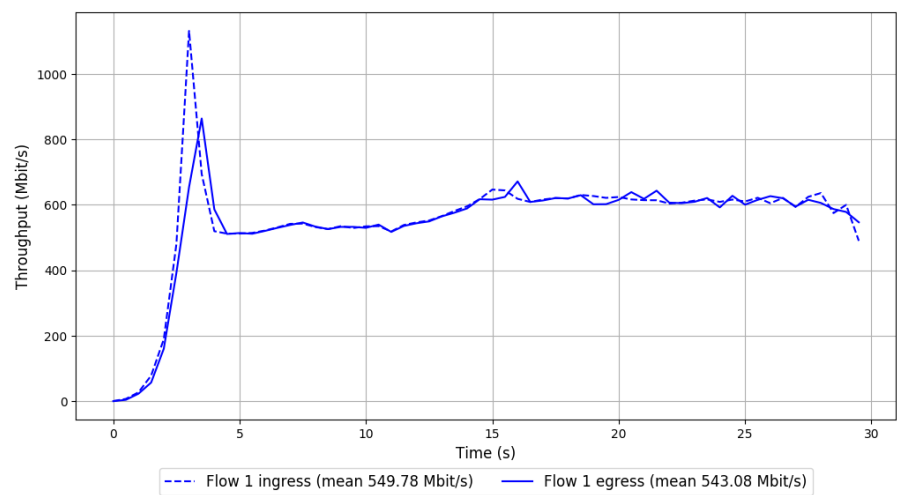
-- Flow 1:

Average throughput: 543.08 Mbit/s

95th percentile per-packet one-way delay: 161.627 ms

Loss rate: 1.22%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 08:09:13

End at: 2018-04-24 08:09:43

Below is generated by plot.py at 2018-04-24 10:49:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.15 Mbit/s

95th percentile per-packet one-way delay: 245.310 ms

Loss rate: 3.96%

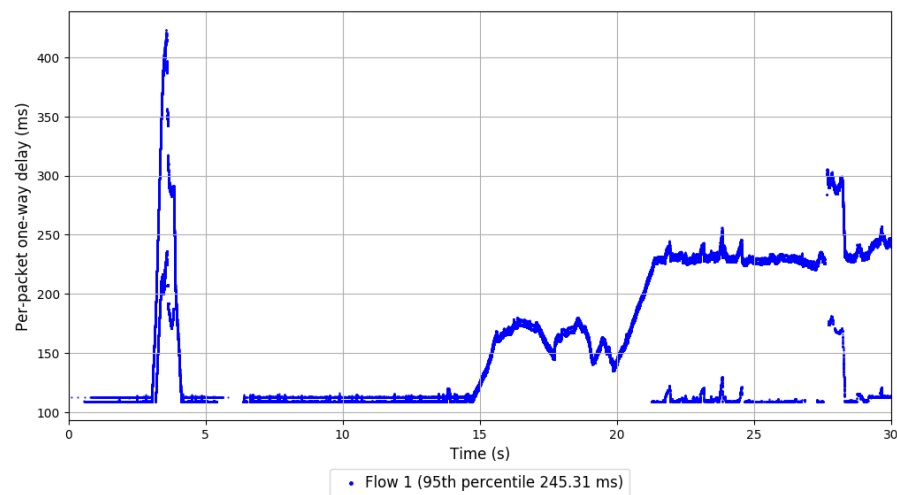
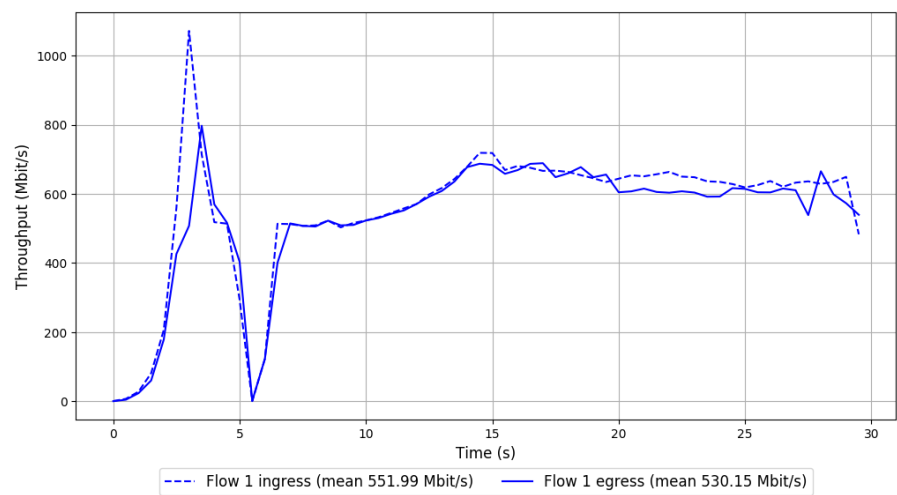
-- Flow 1:

Average throughput: 530.15 Mbit/s

95th percentile per-packet one-way delay: 245.310 ms

Loss rate: 3.96%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

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

End at: 2018-04-24 08:23:38

Below is generated by plot.py at 2018-04-24 10:49:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 529.57 Mbit/s

95th percentile per-packet one-way delay: 229.964 ms

Loss rate: 1.71%

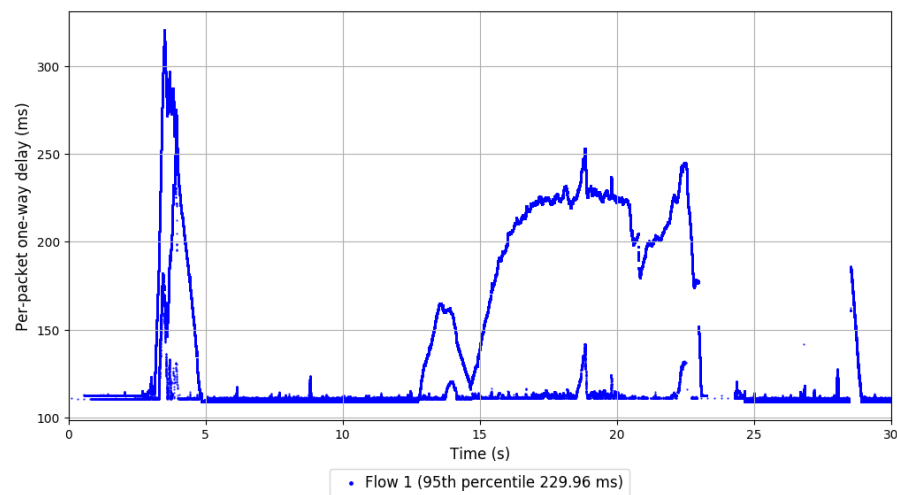
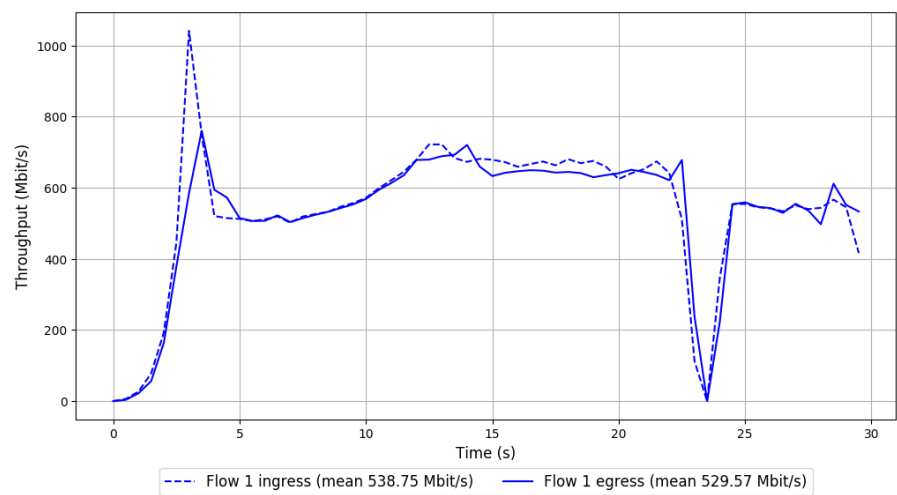
-- Flow 1:

Average throughput: 529.57 Mbit/s

95th percentile per-packet one-way delay: 229.964 ms

Loss rate: 1.71%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-24 08:36:49

End at: 2018-04-24 08:37:19

Below is generated by plot.py at 2018-04-24 10:50:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.69 Mbit/s

95th percentile per-packet one-way delay: 243.837 ms

Loss rate: 2.32%

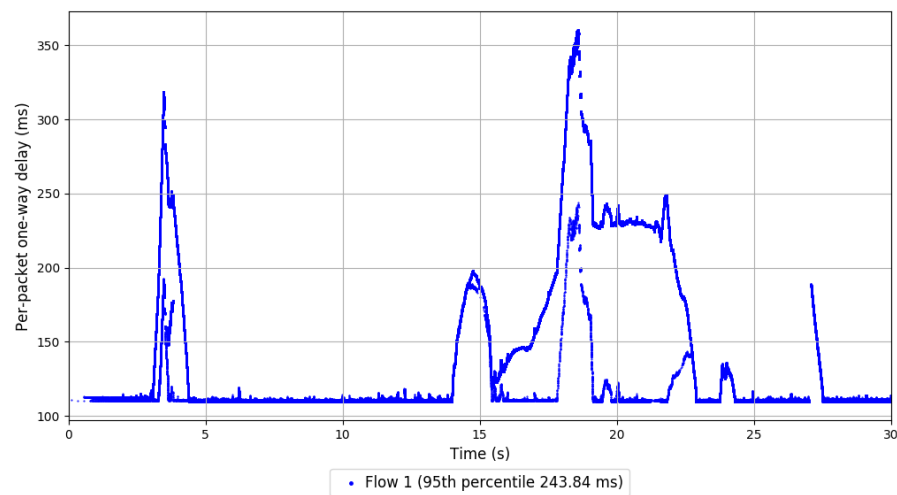
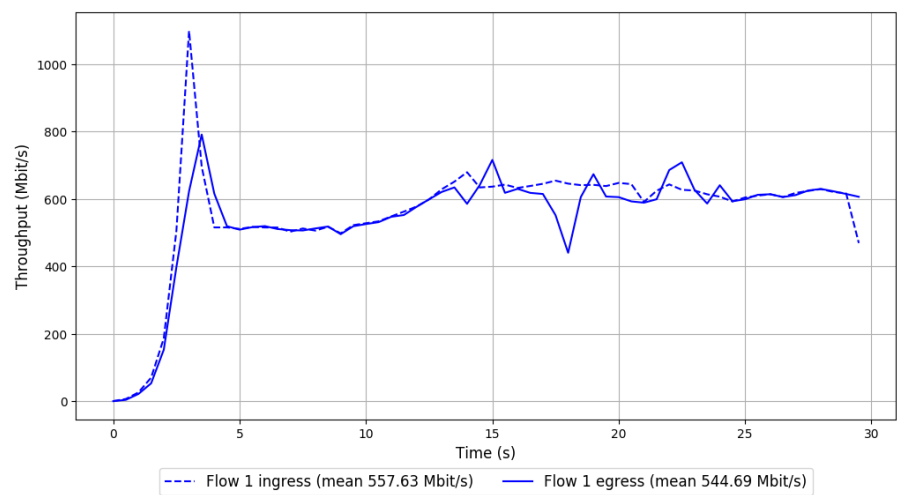
-- Flow 1:

Average throughput: 544.69 Mbit/s

95th percentile per-packet one-way delay: 243.837 ms

Loss rate: 2.32%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 08:50:41

End at: 2018-04-24 08:51:11

Below is generated by plot.py at 2018-04-24 10:50:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 579.47 Mbit/s

95th percentile per-packet one-way delay: 178.396 ms

Loss rate: 1.44%

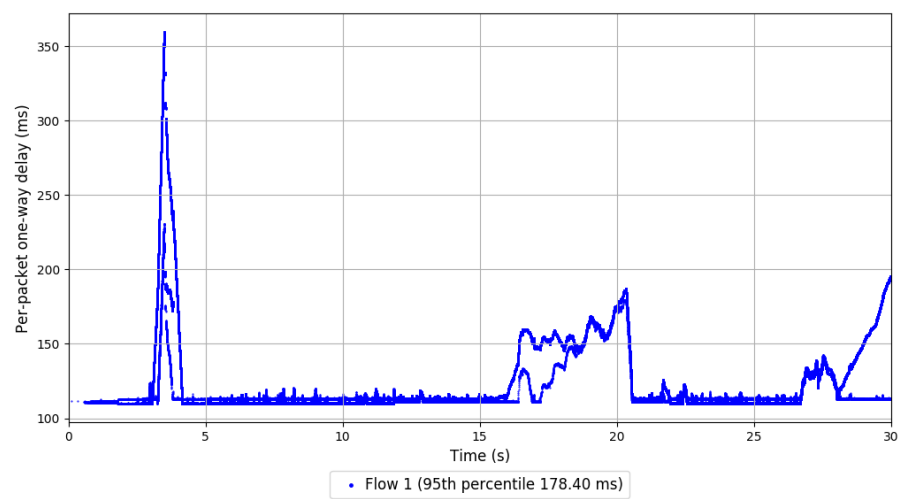
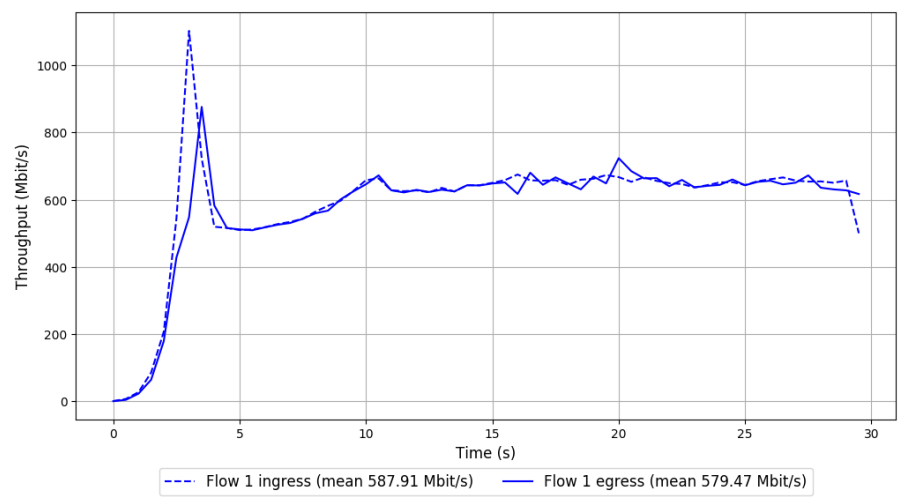
-- Flow 1:

Average throughput: 579.47 Mbit/s

95th percentile per-packet one-way delay: 178.396 ms

Loss rate: 1.44%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 09:04:26

End at: 2018-04-24 09:04:56

Below is generated by plot.py at 2018-04-24 10:50:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 561.42 Mbit/s

95th percentile per-packet one-way delay: 164.985 ms

Loss rate: 1.26%

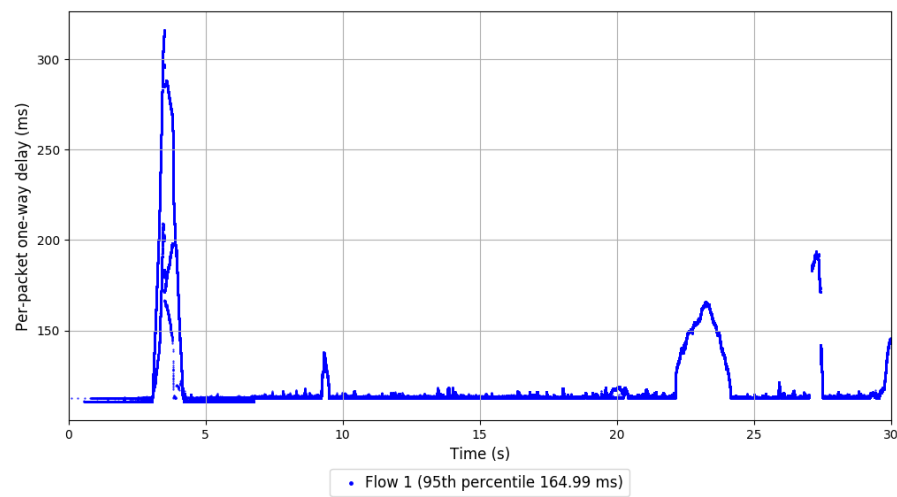
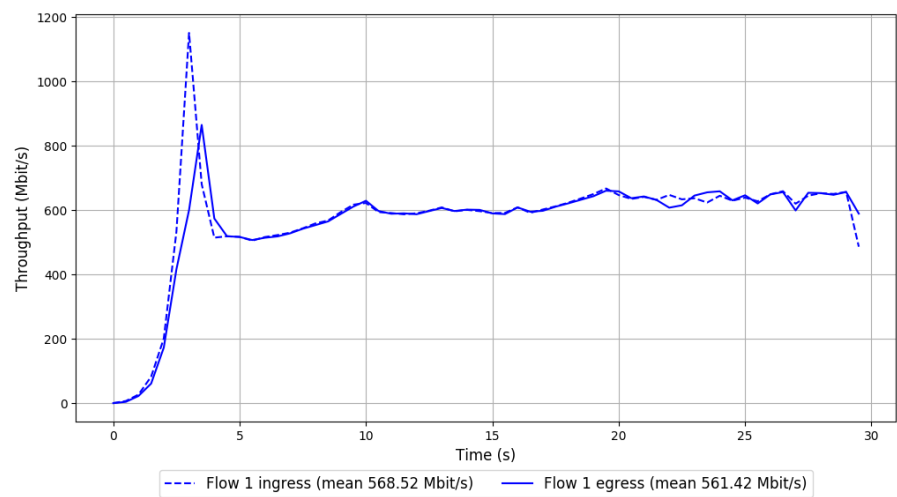
-- Flow 1:

Average throughput: 561.42 Mbit/s

95th percentile per-packet one-way delay: 164.985 ms

Loss rate: 1.26%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 09:18:28

End at: 2018-04-24 09:18:58

Below is generated by plot.py at 2018-04-24 10:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 529.19 Mbit/s

95th percentile per-packet one-way delay: 215.290 ms

Loss rate: 1.64%

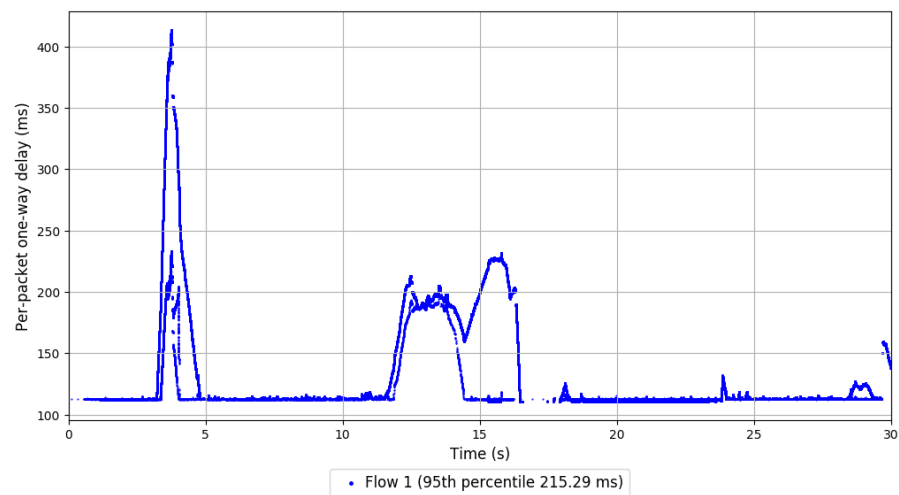
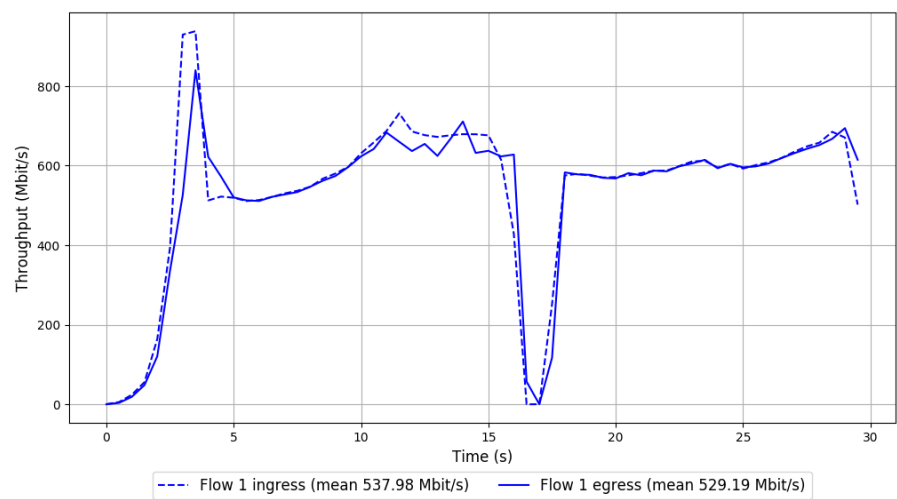
-- Flow 1:

Average throughput: 529.19 Mbit/s

95th percentile per-packet one-way delay: 215.290 ms

Loss rate: 1.64%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 09:32:35

End at: 2018-04-24 09:33:05

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.58 Mbit/s

95th percentile per-packet one-way delay: 236.402 ms

Loss rate: 1.99%

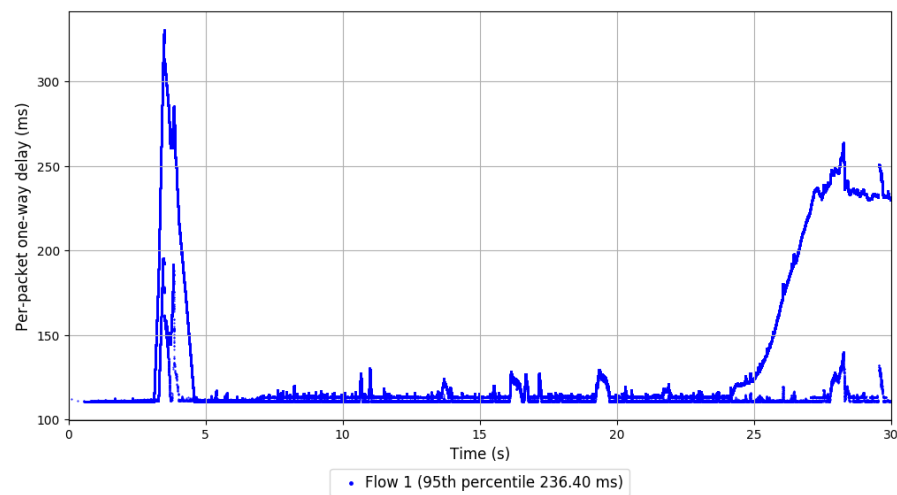
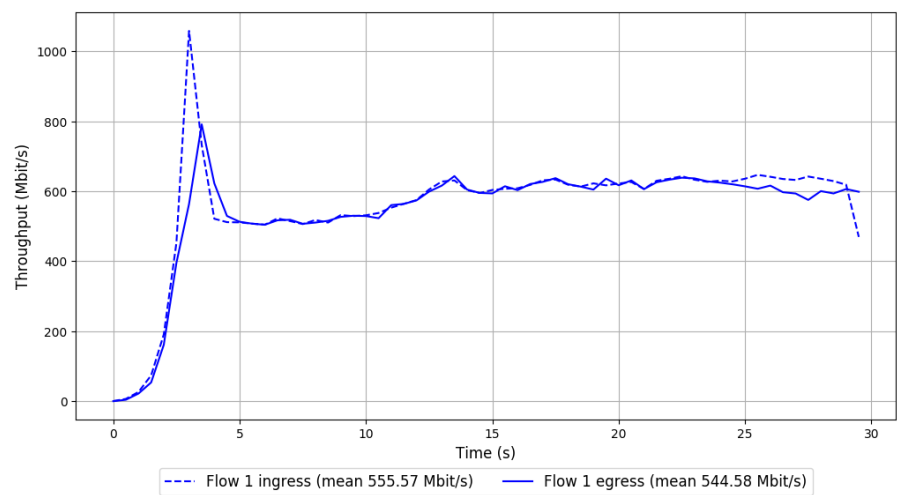
-- Flow 1:

Average throughput: 544.58 Mbit/s

95th percentile per-packet one-way delay: 236.402 ms

Loss rate: 1.99%

Run 10: Report of PCC-Allegro — Data Link

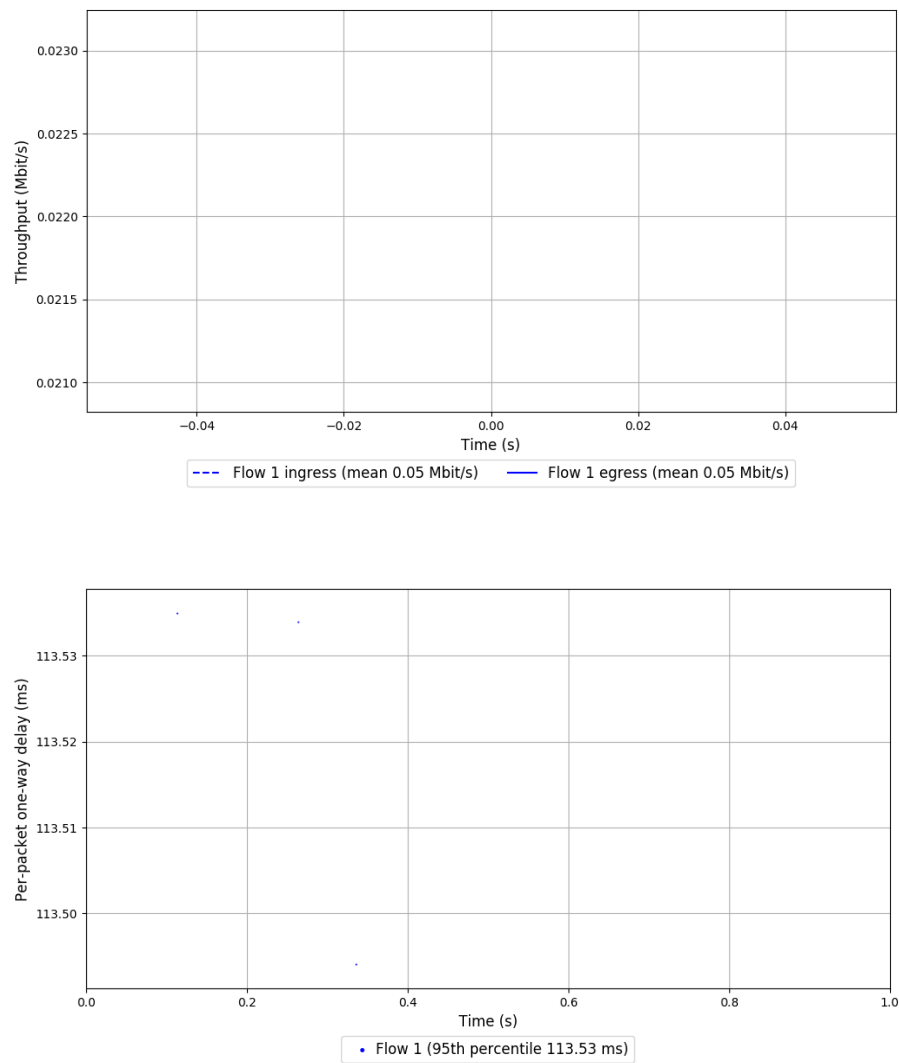


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 07:29:43

End at: 2018-04-24 07:30:13

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 07:43:25

End at: 2018-04-24 07:43:55

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.07 Mbit/s

95th percentile per-packet one-way delay: 113.775 ms

Loss rate: 0.00%

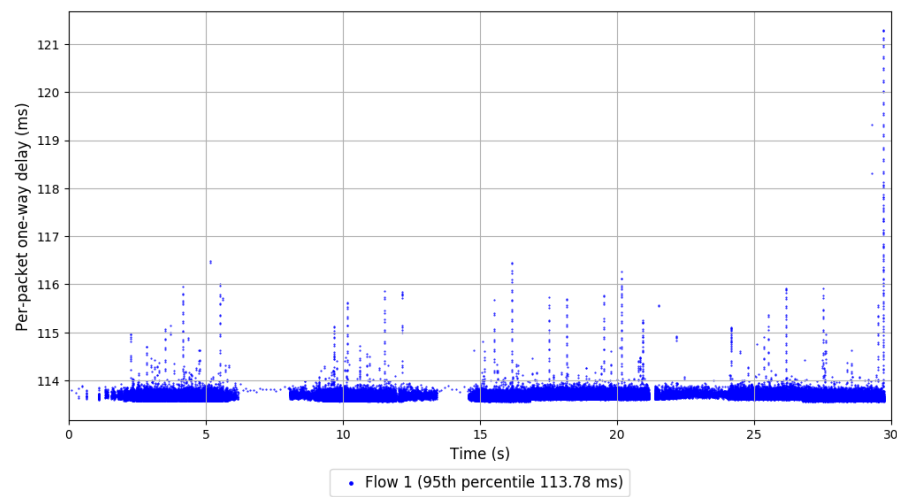
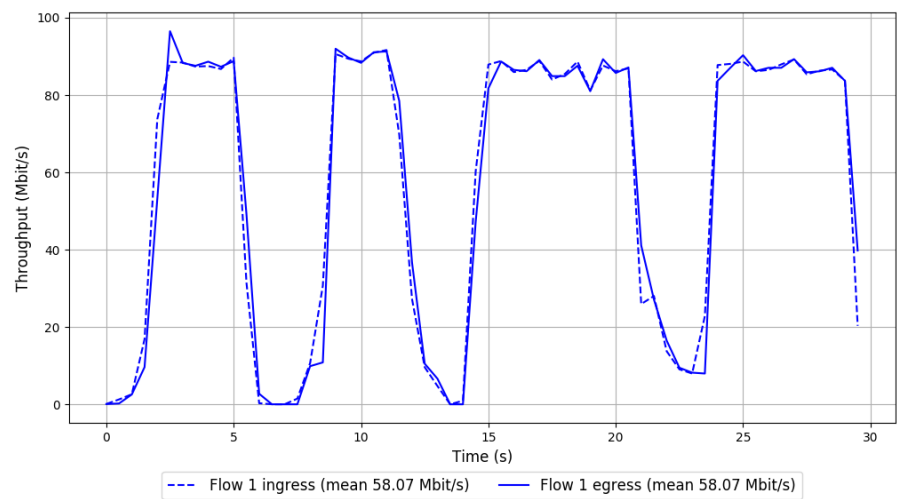
-- Flow 1:

Average throughput: 58.07 Mbit/s

95th percentile per-packet one-way delay: 113.775 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 07:57:20

End at: 2018-04-24 07:57:50

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.48 Mbit/s

95th percentile per-packet one-way delay: 111.691 ms

Loss rate: 0.00%

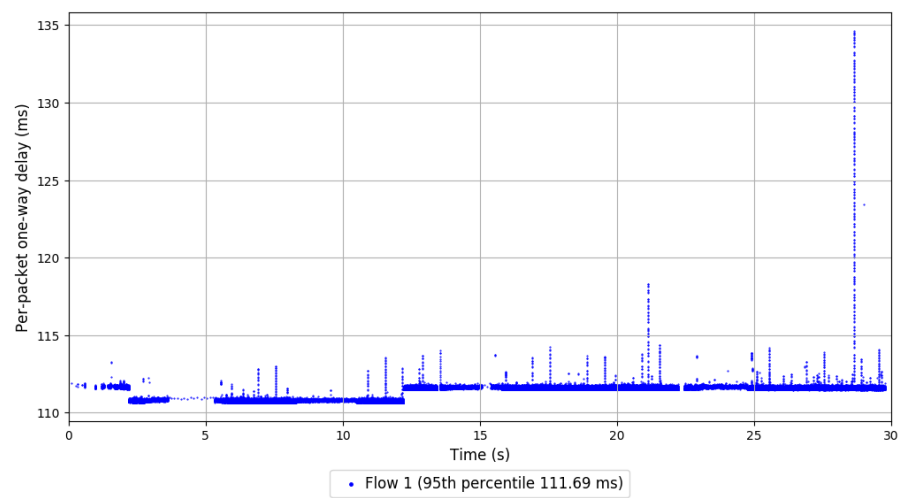
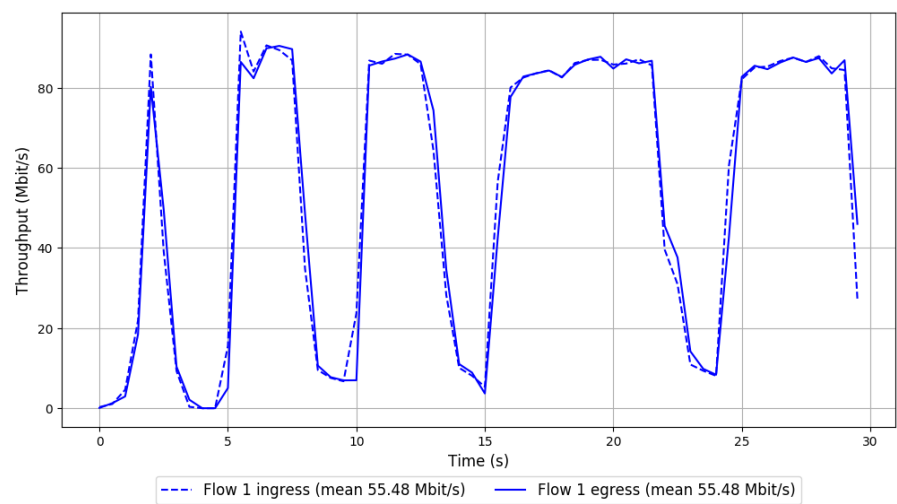
-- Flow 1:

Average throughput: 55.48 Mbit/s

95th percentile per-packet one-way delay: 111.691 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 08:11:01

End at: 2018-04-24 08:11:31

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 112.765 ms

Loss rate: 0.00%

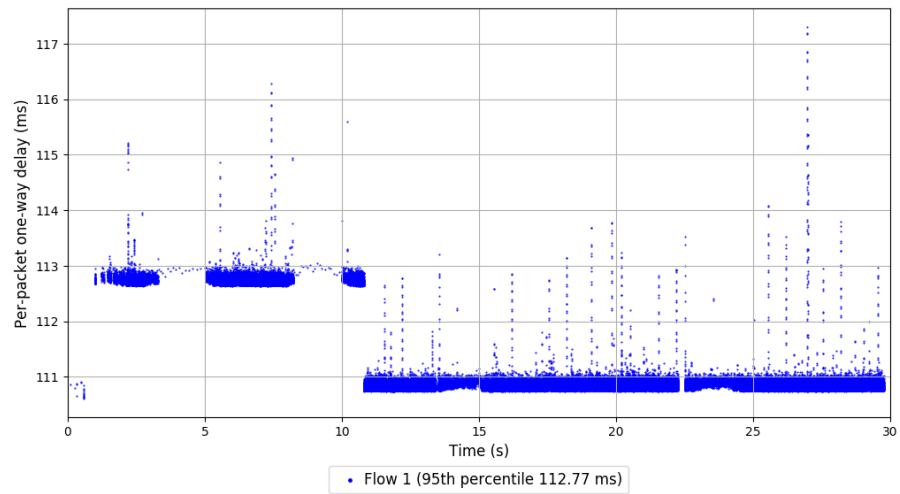
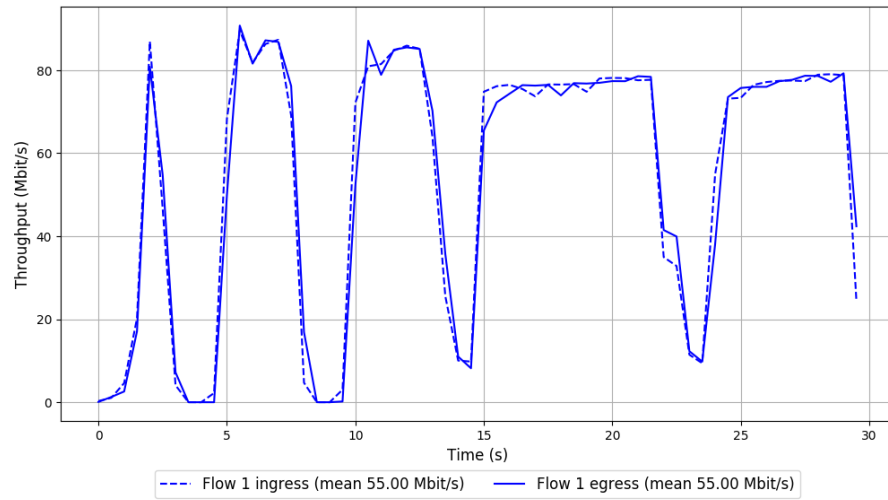
-- Flow 1:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 112.765 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 08:24:55

End at: 2018-04-24 08:25:25

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 112.623 ms

Loss rate: 0.00%

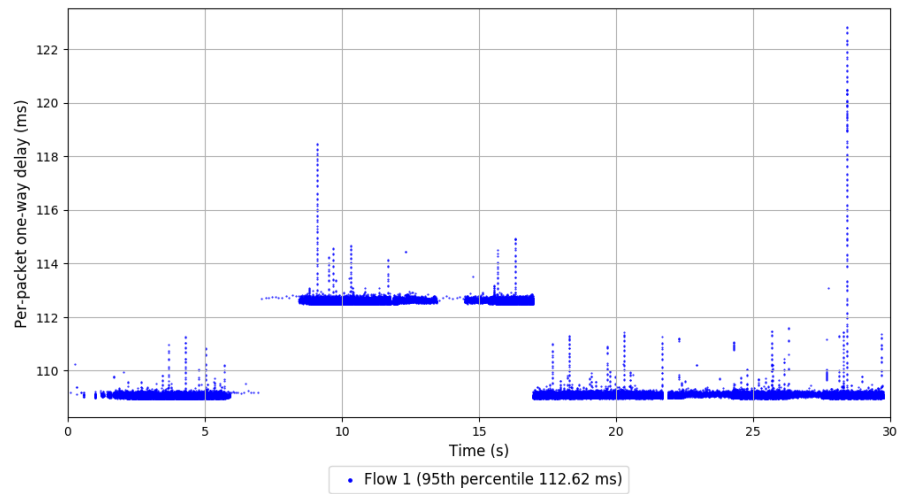
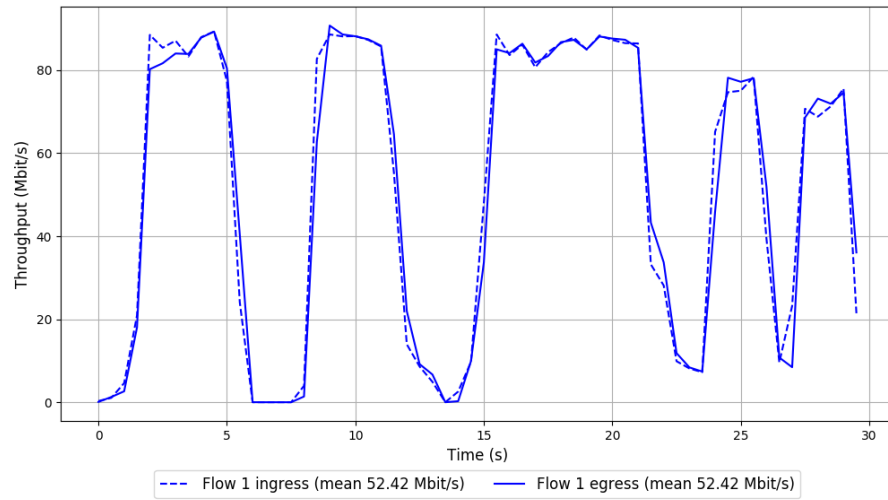
-- Flow 1:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 112.623 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 08:38:38

End at: 2018-04-24 08:39:08

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 111.063 ms

Loss rate: 0.00%

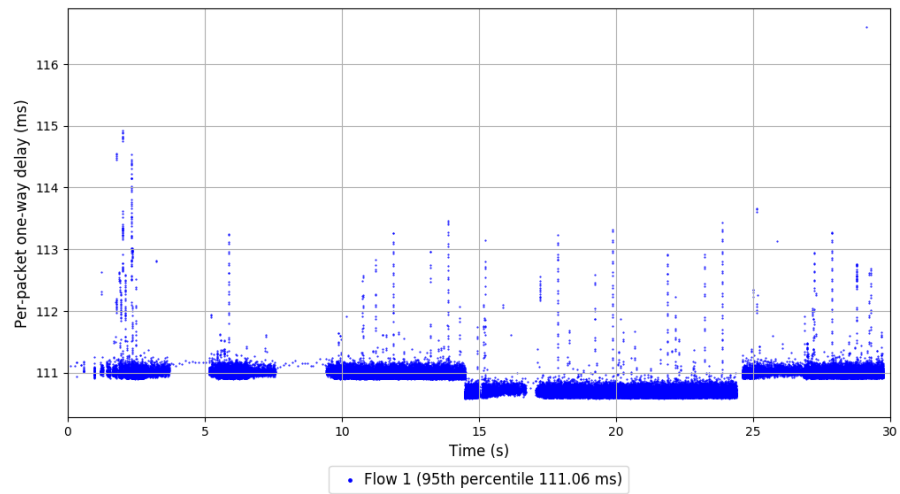
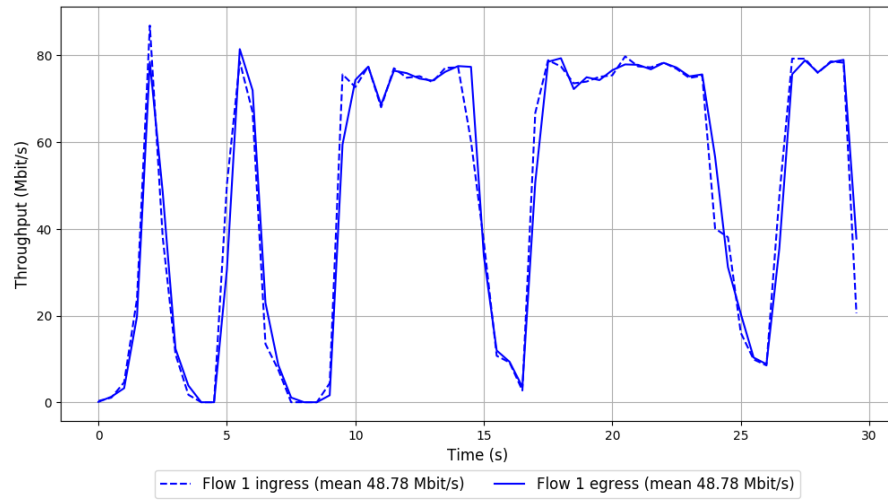
-- Flow 1:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 111.063 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 08:52:29

End at: 2018-04-24 08:53:00

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 111.141 ms

Loss rate: 0.00%

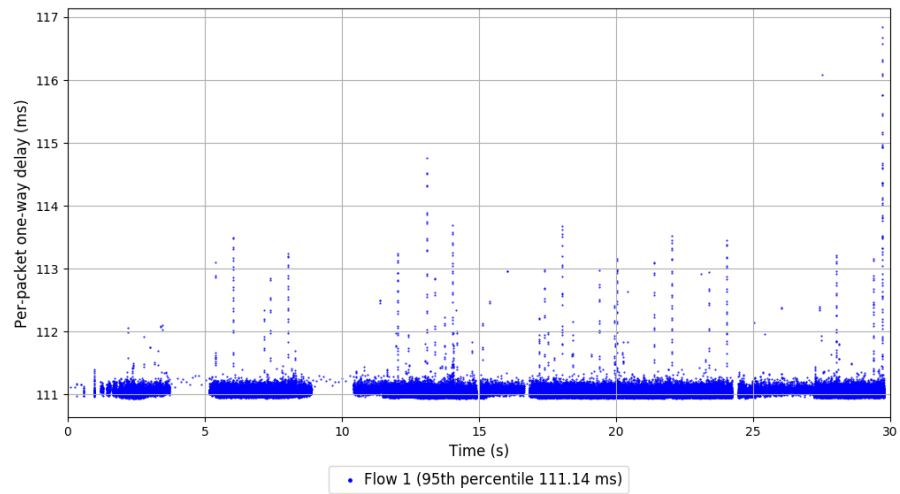
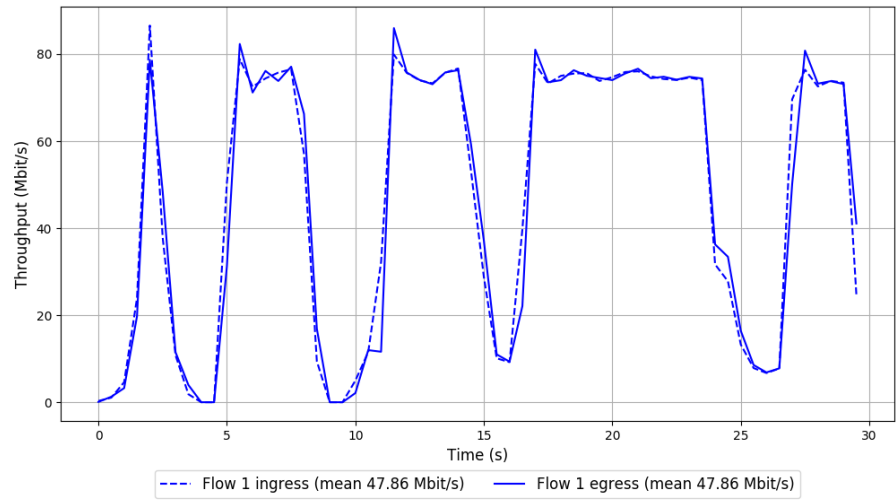
-- Flow 1:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 111.141 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 09:06:14

End at: 2018-04-24 09:06:44

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.98 Mbit/s

95th percentile per-packet one-way delay: 112.617 ms

Loss rate: 0.00%

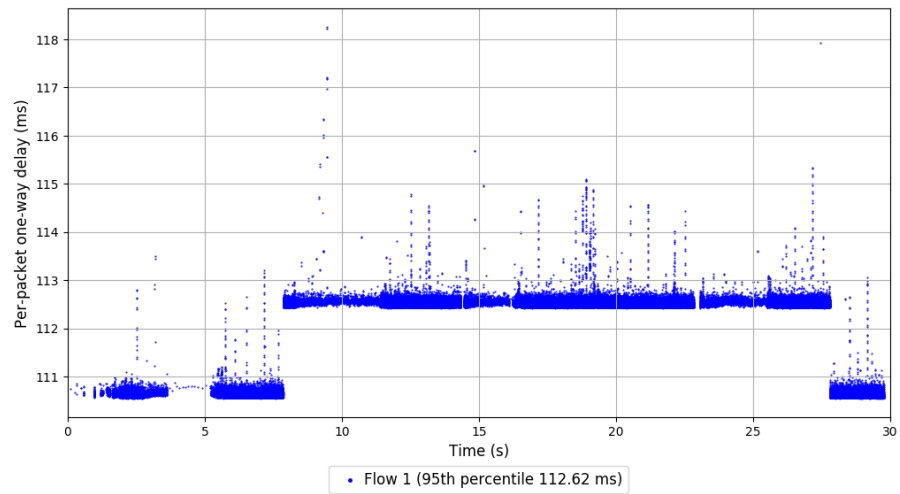
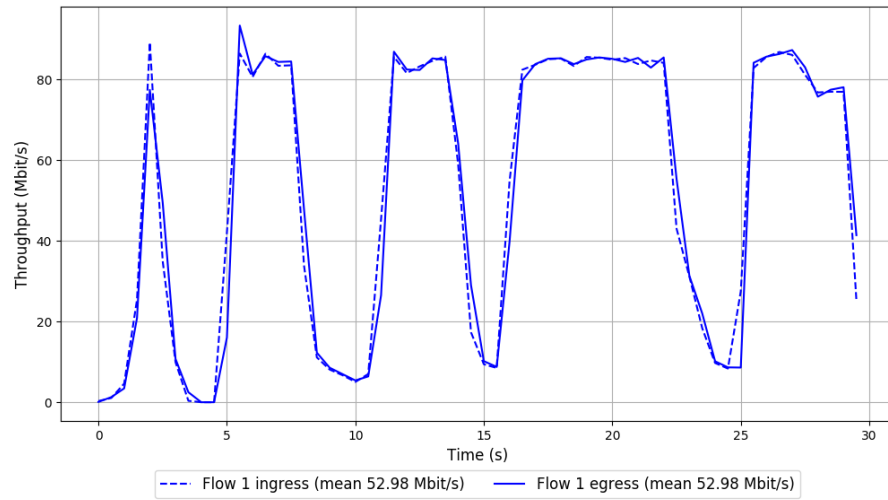
-- Flow 1:

Average throughput: 52.98 Mbit/s

95th percentile per-packet one-way delay: 112.617 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 09:20:15

End at: 2018-04-24 09:20:45

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.20 Mbit/s

95th percentile per-packet one-way delay: 112.488 ms

Loss rate: 0.00%

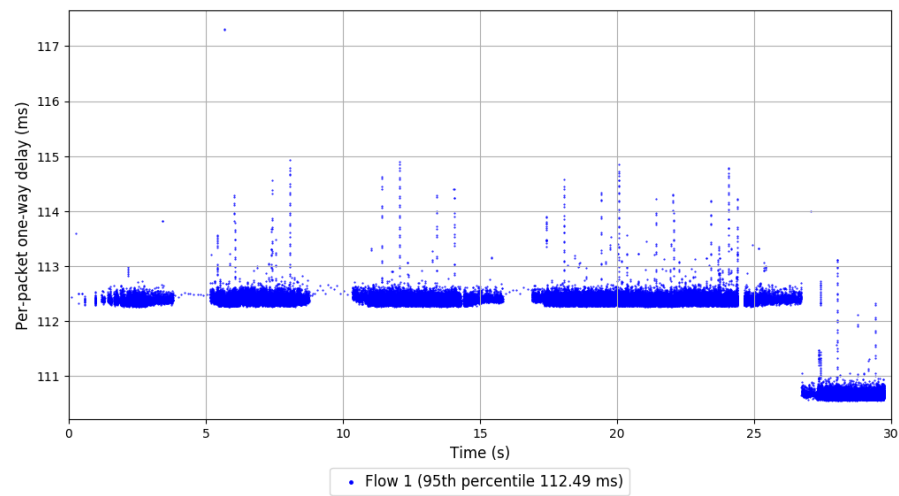
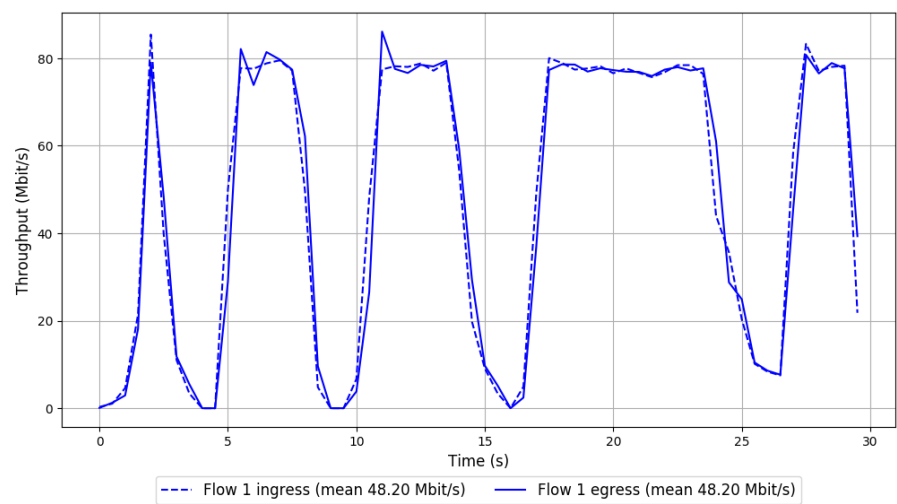
-- Flow 1:

Average throughput: 48.20 Mbit/s

95th percentile per-packet one-way delay: 112.488 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-24 09:34:23

End at: 2018-04-24 09:34:53

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.14 Mbit/s

95th percentile per-packet one-way delay: 111.906 ms

Loss rate: 0.00%

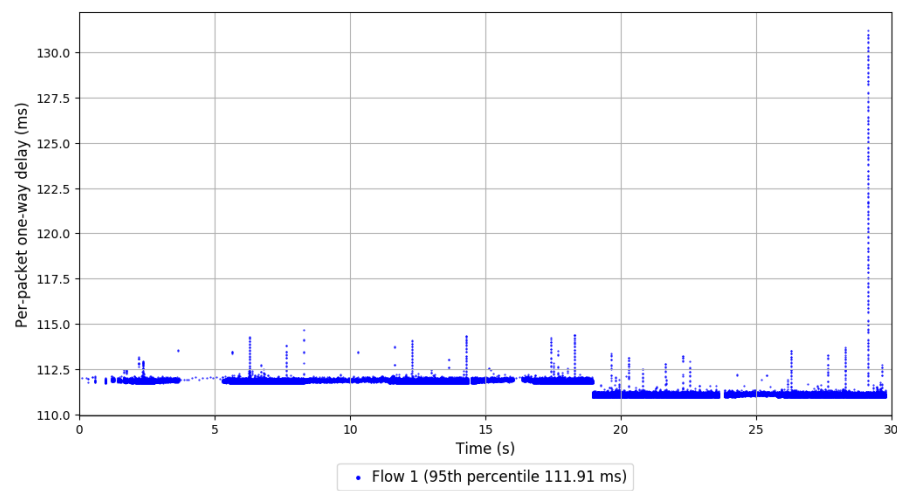
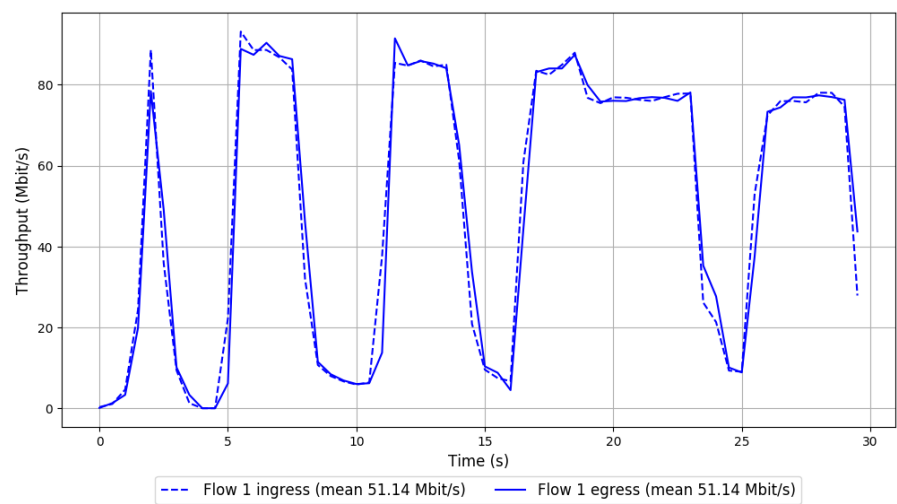
-- Flow 1:

Average throughput: 51.14 Mbit/s

95th percentile per-packet one-way delay: 111.906 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

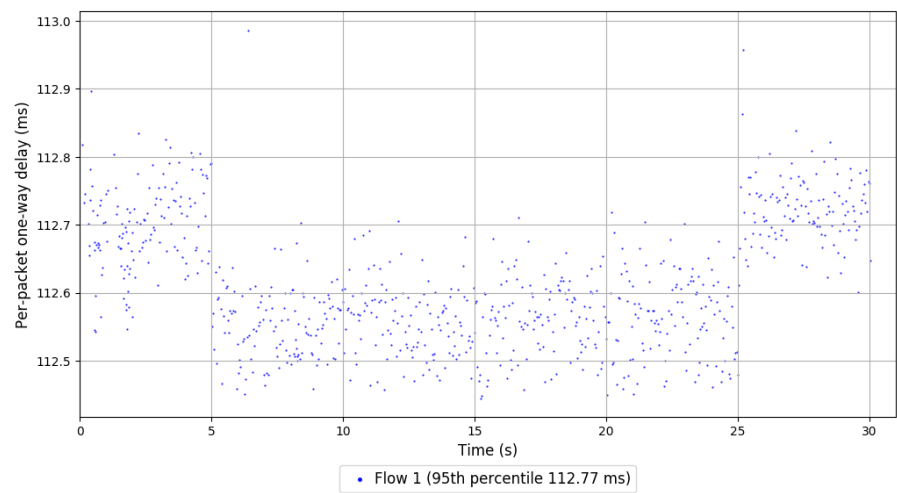
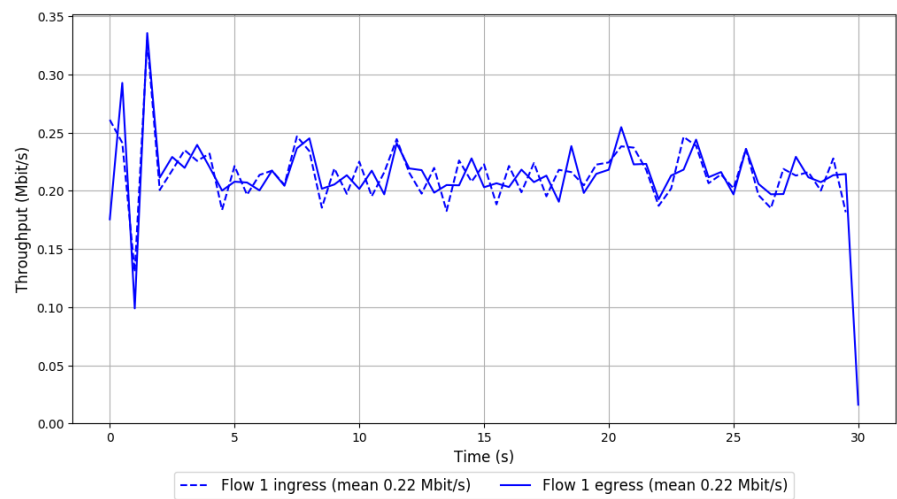


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 07:36:17
End at: 2018-04-24 07:36:47

# Below is generated by plot.py at 2018-04-24 10:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.771 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

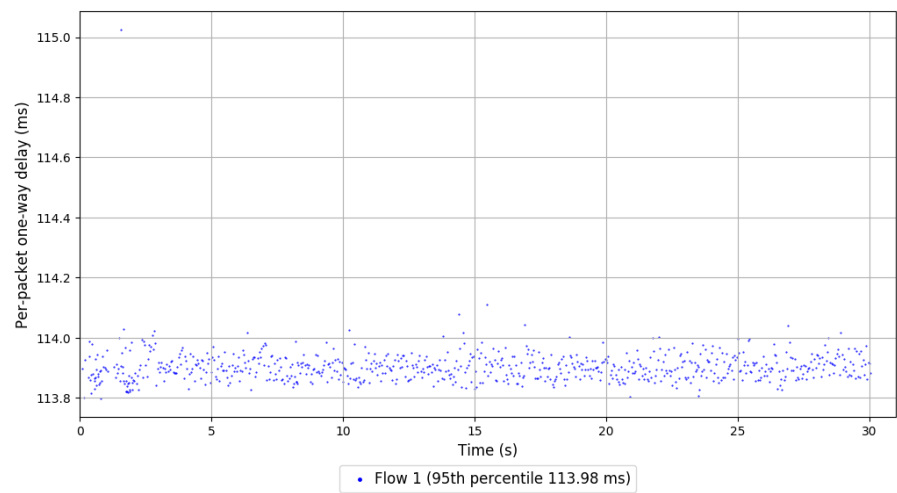
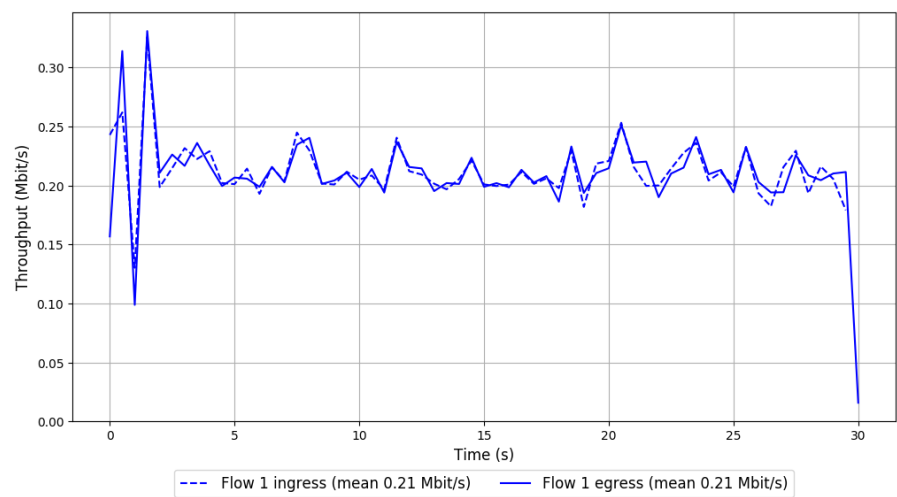


```
Run 2: Statistics of SCReAM

Start at: 2018-04-24 07:50:02
End at: 2018-04-24 07:50:32

# Below is generated by plot.py at 2018-04-24 10:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.976 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-24 08:03:54

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

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.896 ms

Loss rate: 0.00%

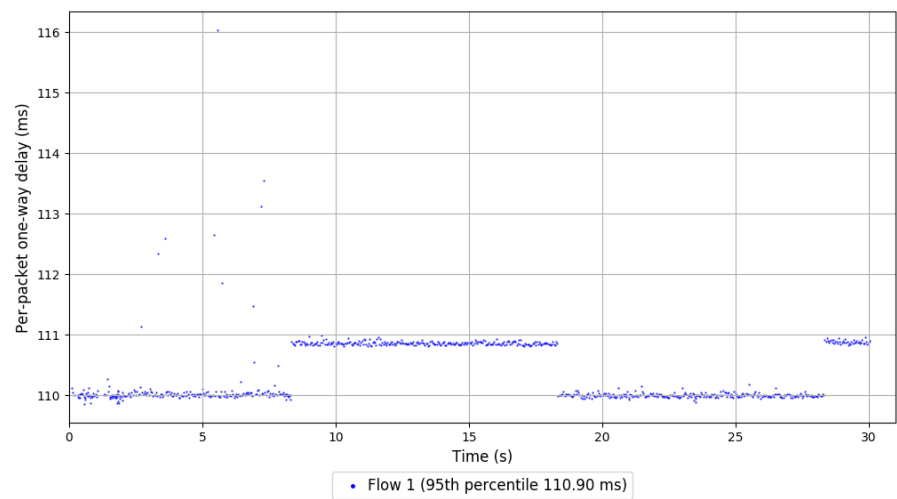
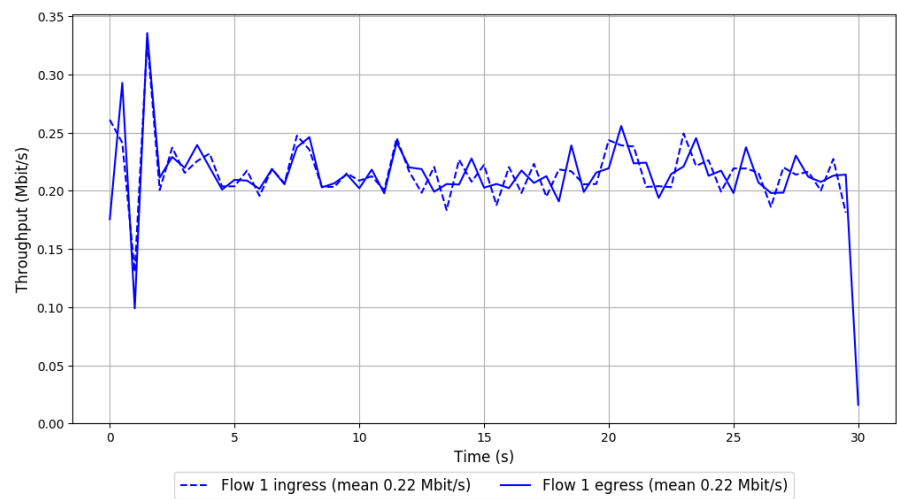
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.896 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-24 08:17:48

End at: 2018-04-24 08:18:18

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.860 ms

Loss rate: 0.00%

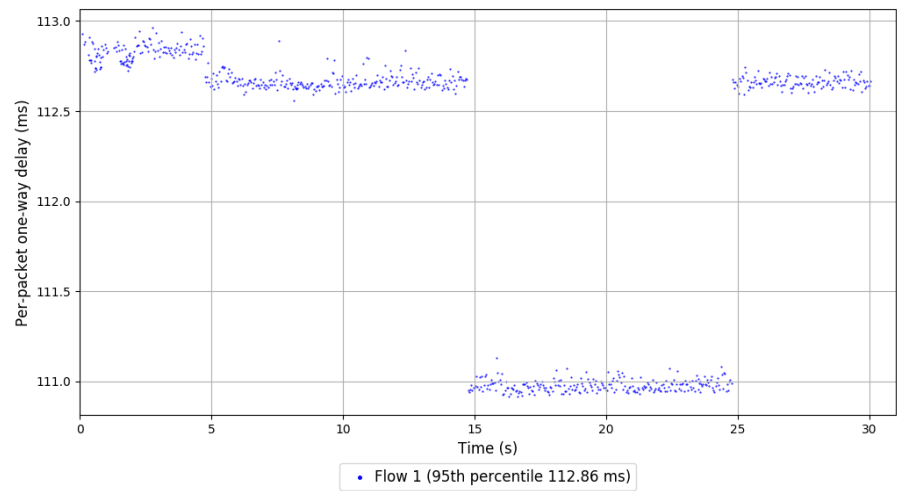
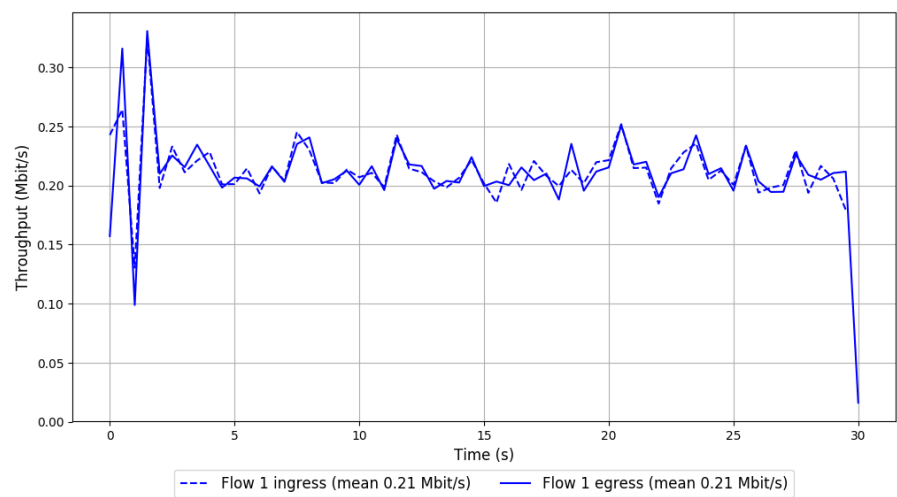
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.860 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-24 08:31:36

End at: 2018-04-24 08:32:06

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.212 ms

Loss rate: 0.00%

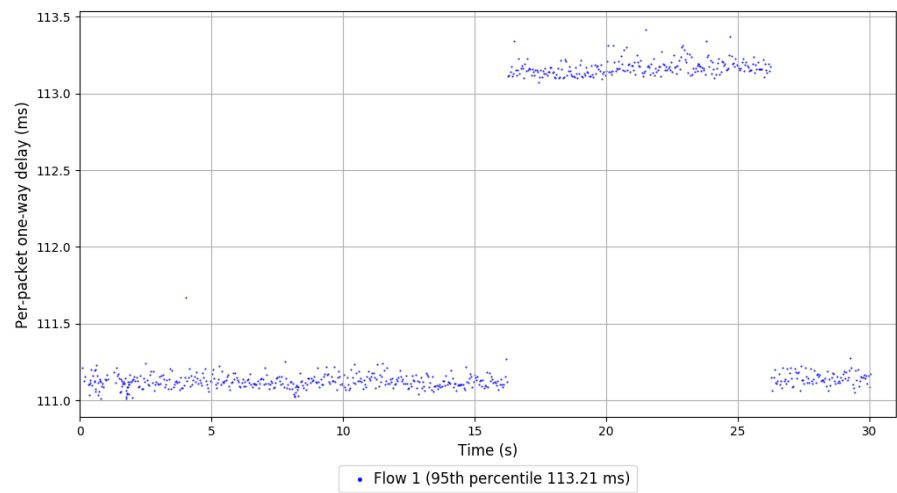
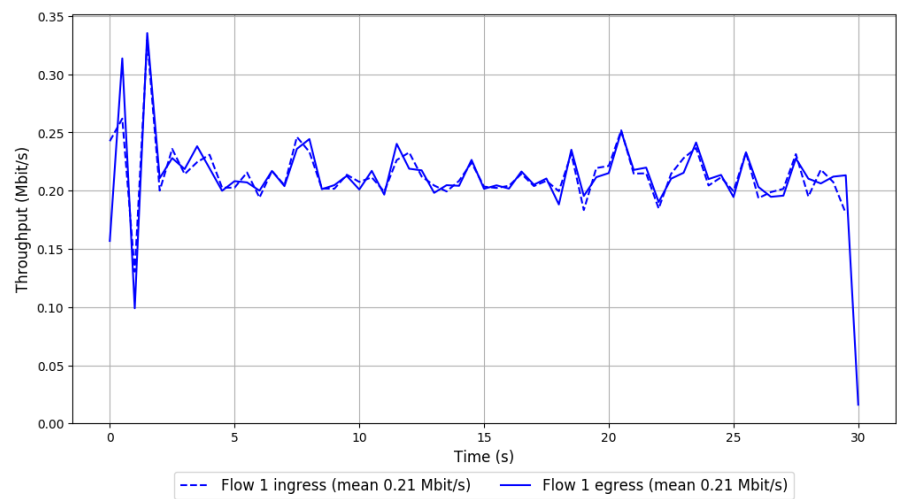
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.212 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-24 08:45:14

End at: 2018-04-24 08:45:44

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.737 ms

Loss rate: 0.00%

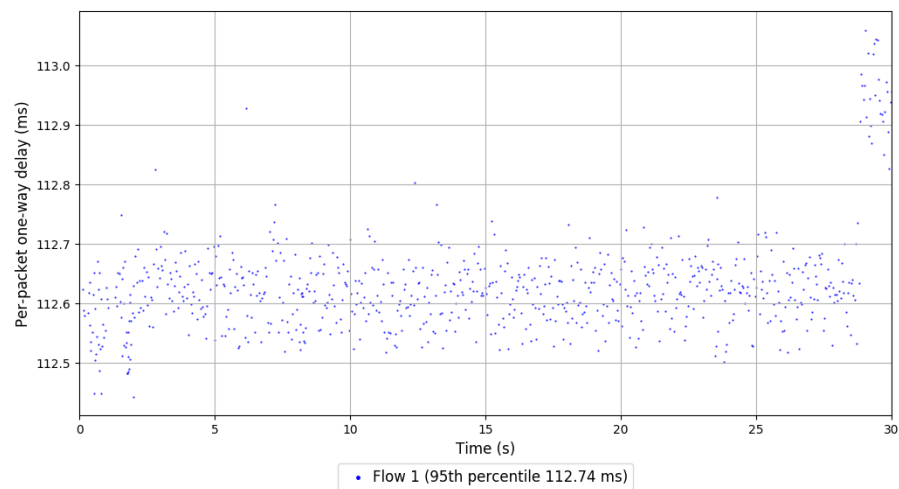
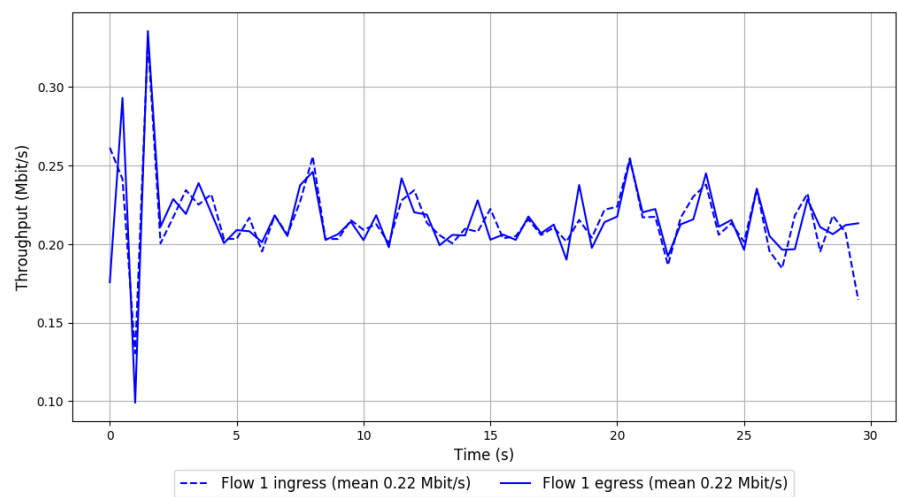
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.737 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-24 08:59:10

End at: 2018-04-24 08:59:40

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.318 ms

Loss rate: 0.00%

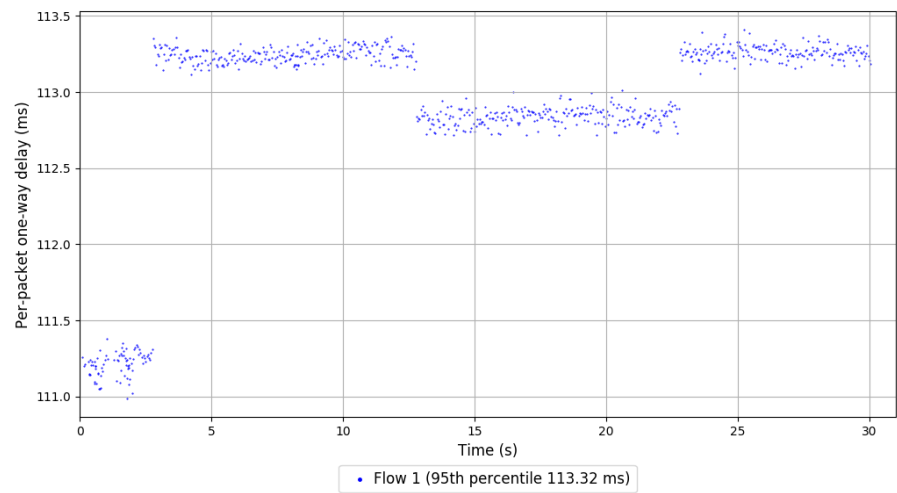
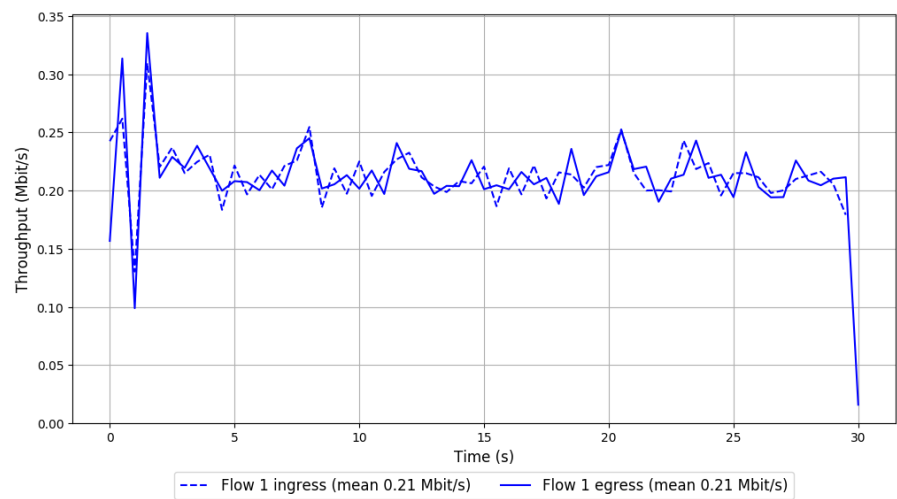
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.318 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-24 09:12:56

End at: 2018-04-24 09:13:26

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.767 ms

Loss rate: 0.00%

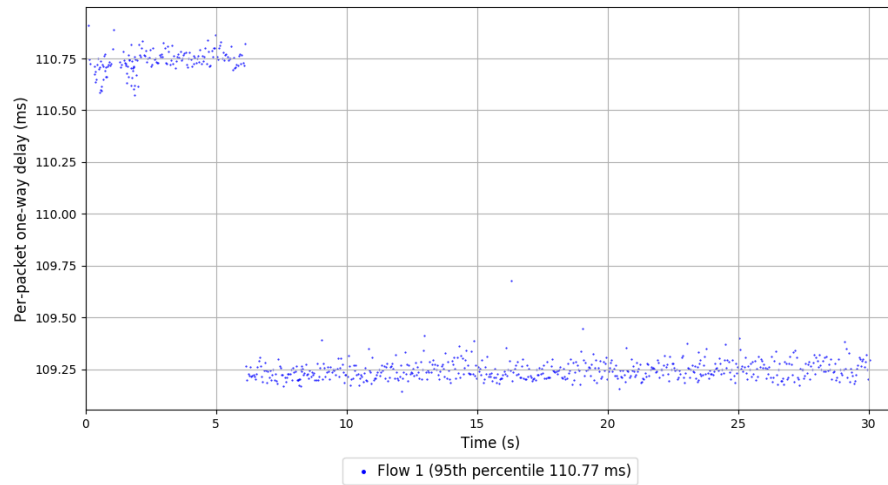
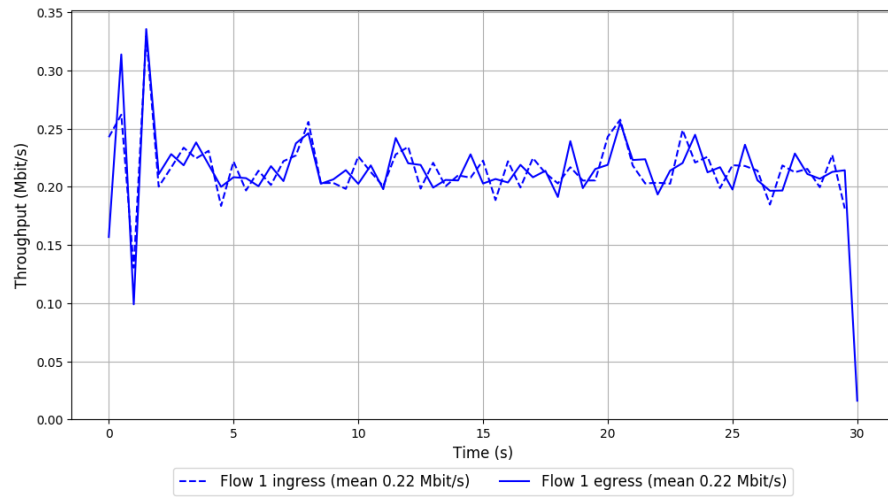
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.767 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-24 09:27:02

End at: 2018-04-24 09:27:32

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.048 ms

Loss rate: 0.00%

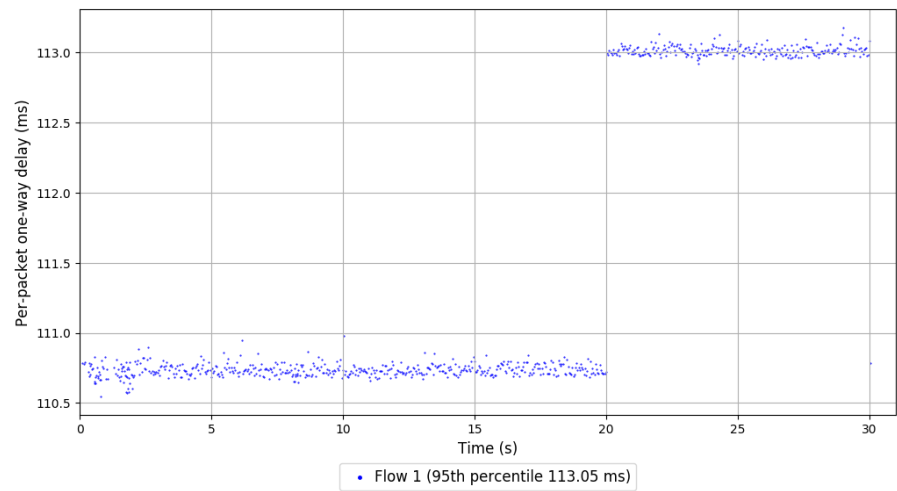
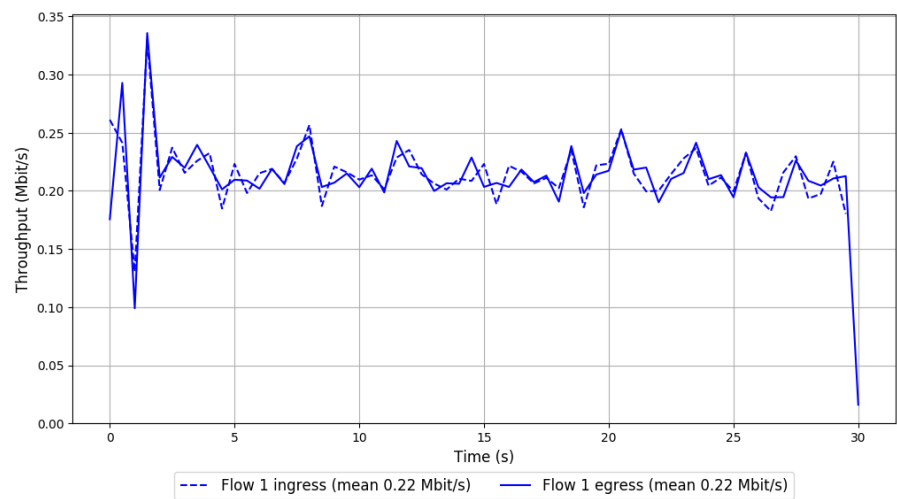
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.048 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-24 09:41:07

End at: 2018-04-24 09:41:37

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.120 ms

Loss rate: 0.00%

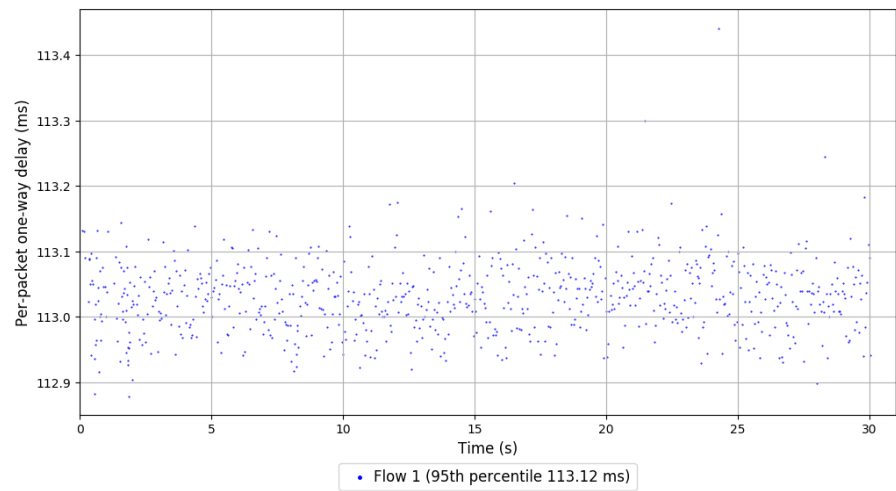
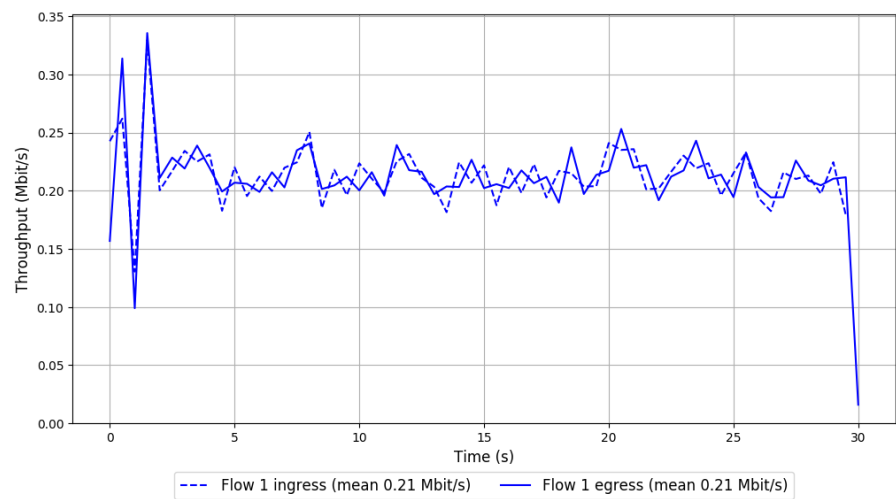
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.120 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

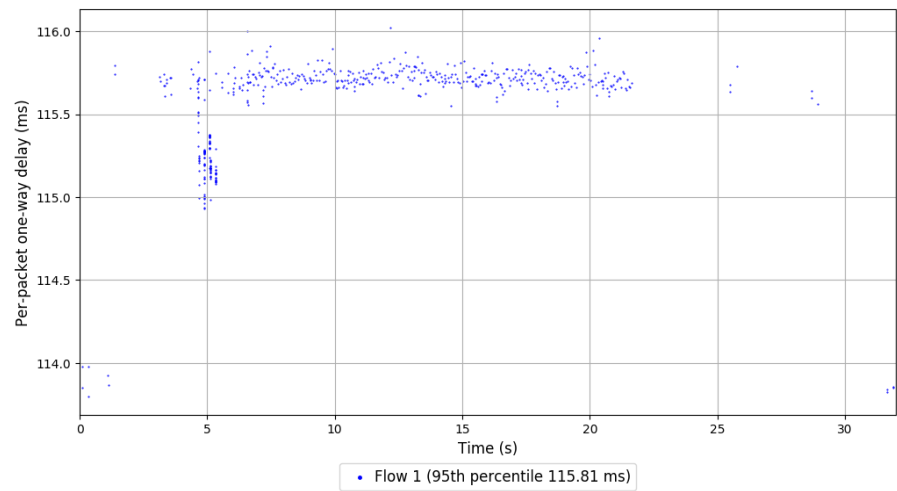
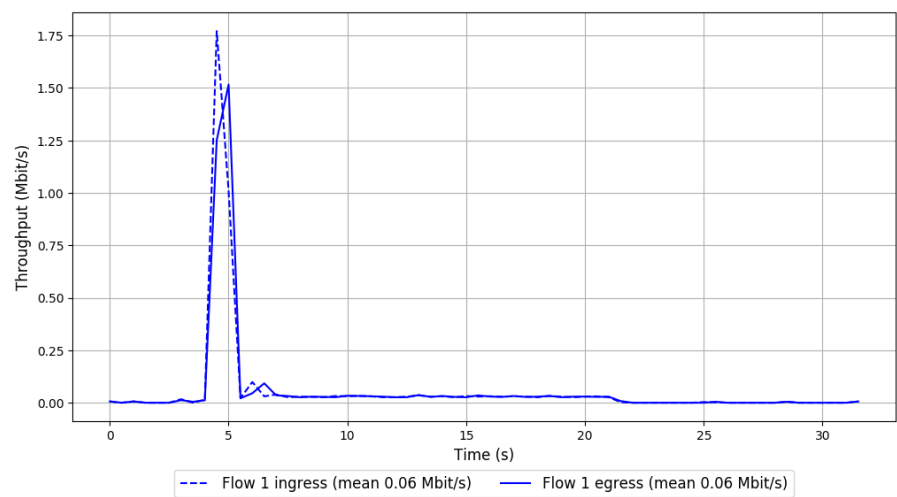


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 07:27:14
End at: 2018-04-24 07:27:44

# Below is generated by plot.py at 2018-04-24 10:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 115.805 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 115.805 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-24 07:40:57

End at: 2018-04-24 07:41:28

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.877 ms

Loss rate: 0.00%

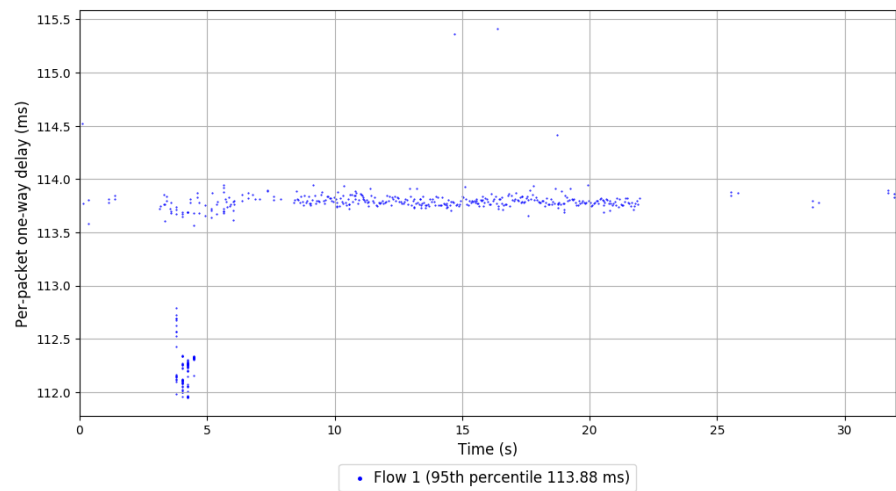
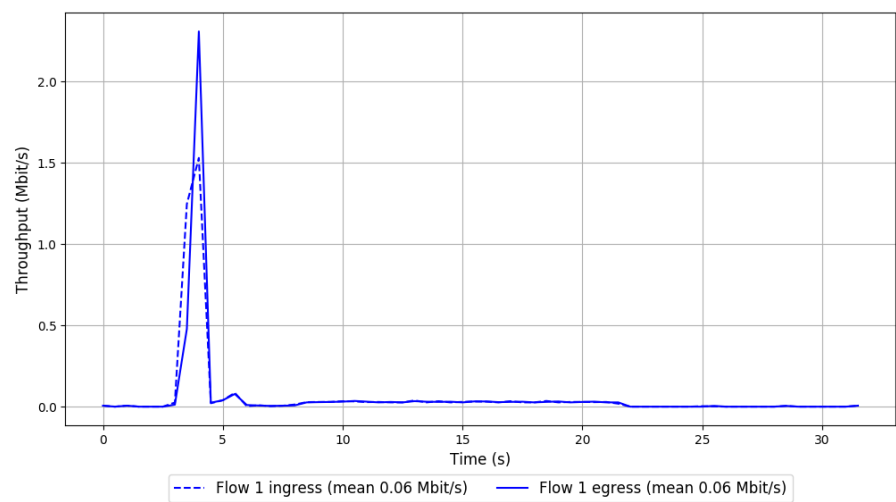
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.877 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-24 07:54:51

End at: 2018-04-24 07:55:22

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.436 ms

Loss rate: 0.00%

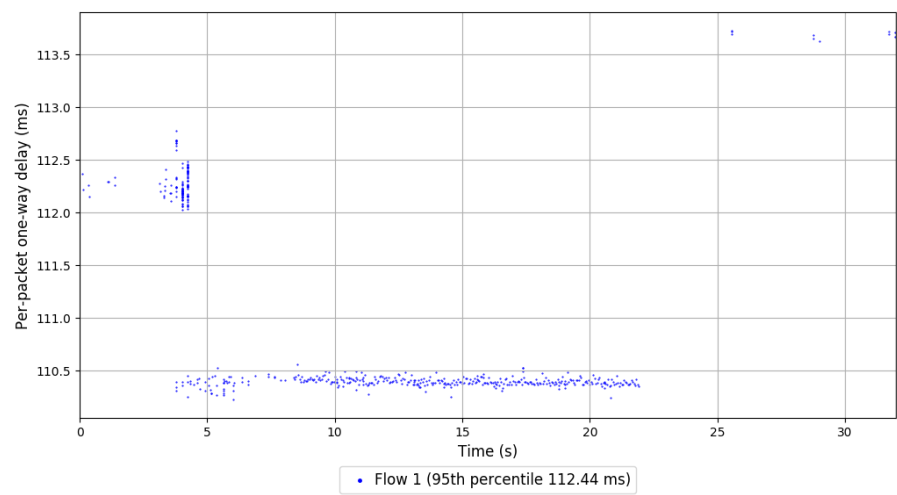
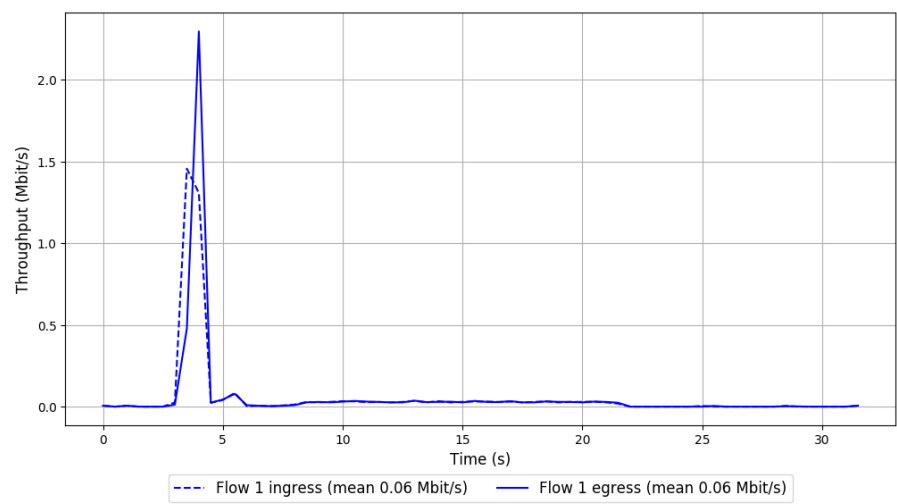
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.436 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-24 08:08:33

End at: 2018-04-24 08:09:03

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.757 ms

Loss rate: 0.00%

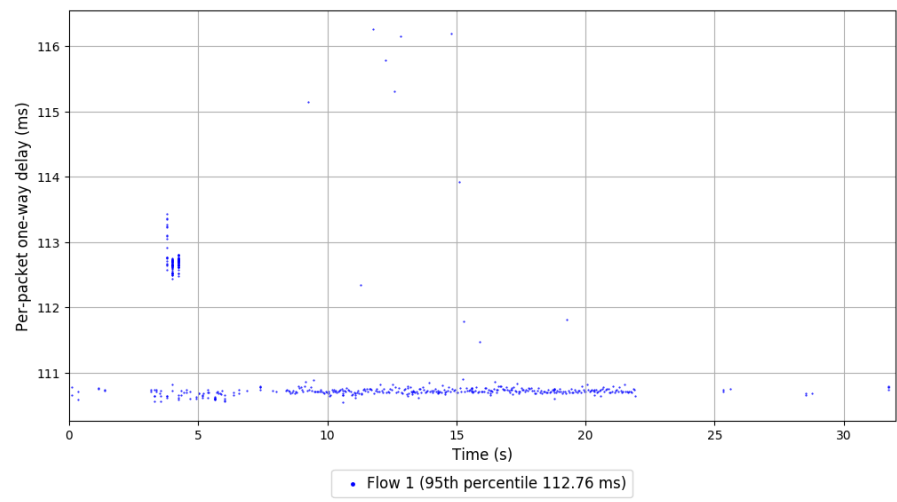
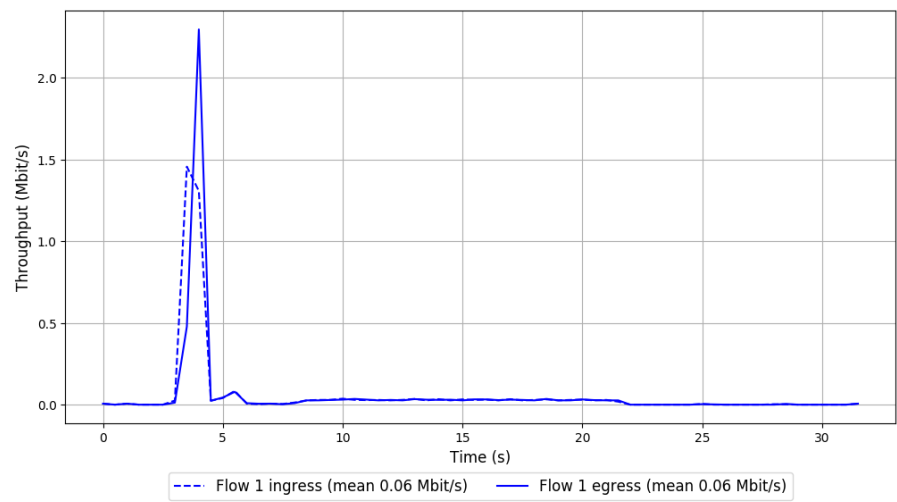
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.757 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-24 08:22:28

End at: 2018-04-24 08:22:58

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.860 ms

Loss rate: 0.00%

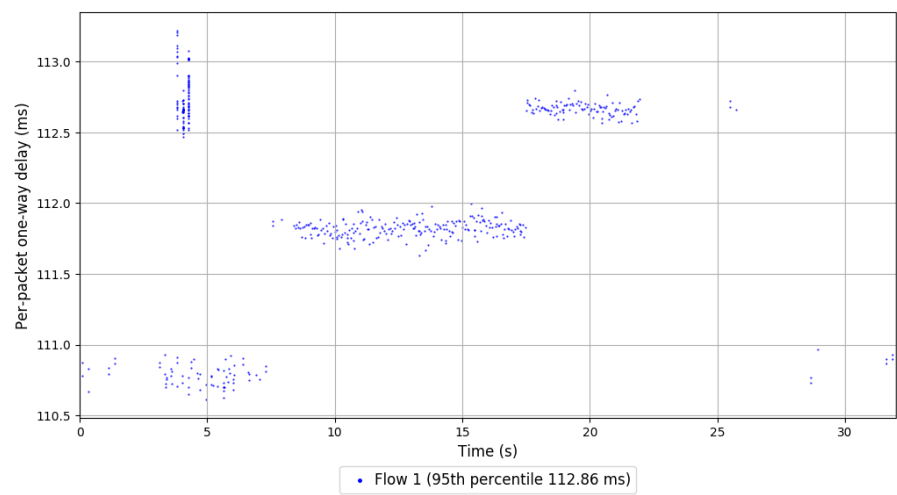
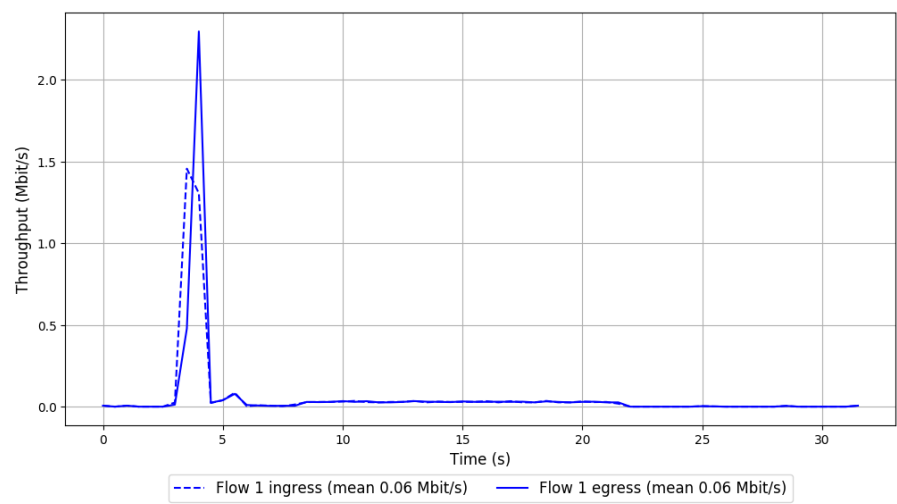
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.860 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-24 08:36:09

End at: 2018-04-24 08:36:39

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.899 ms

Loss rate: 0.00%

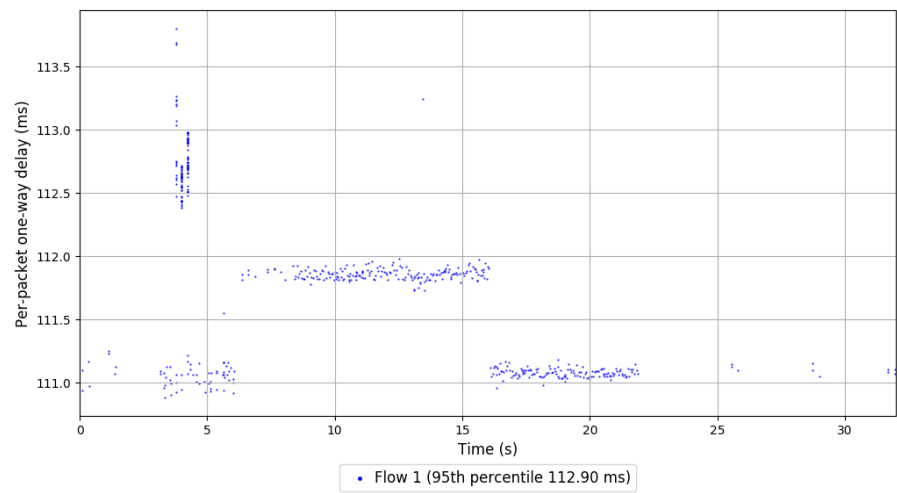
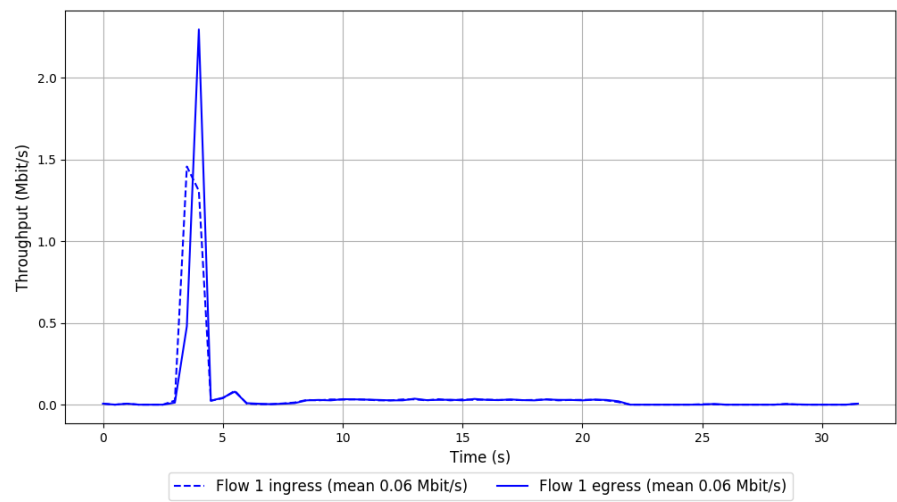
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.899 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-24 08:50:01

End at: 2018-04-24 08:50:31

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.623 ms

Loss rate: 0.00%

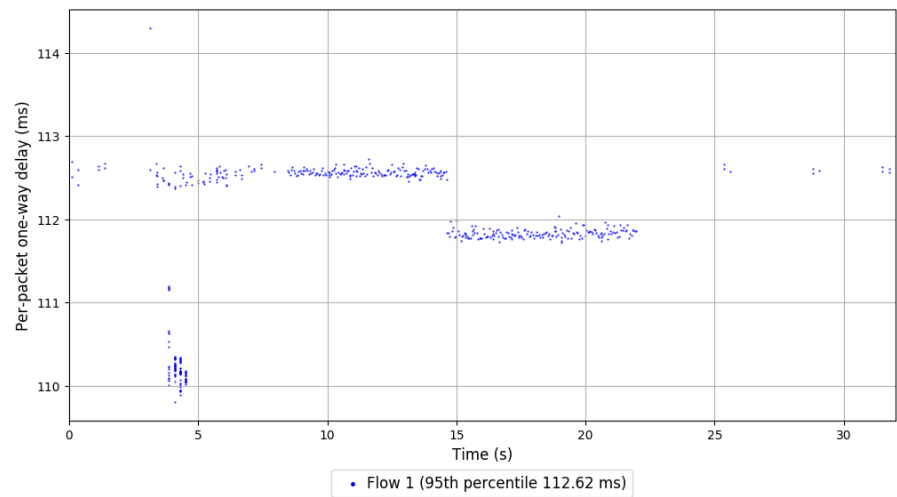
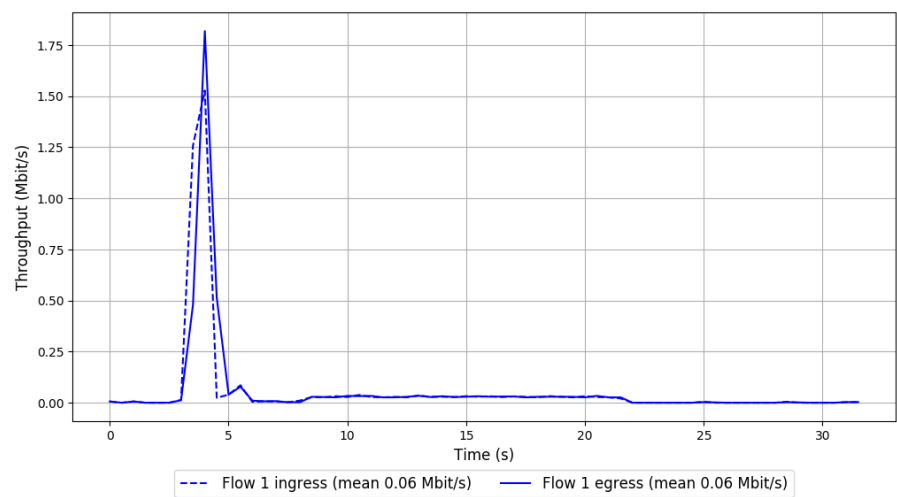
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.623 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-24 09:03:46

End at: 2018-04-24 09:04:16

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 111.199 ms

Loss rate: 0.00%

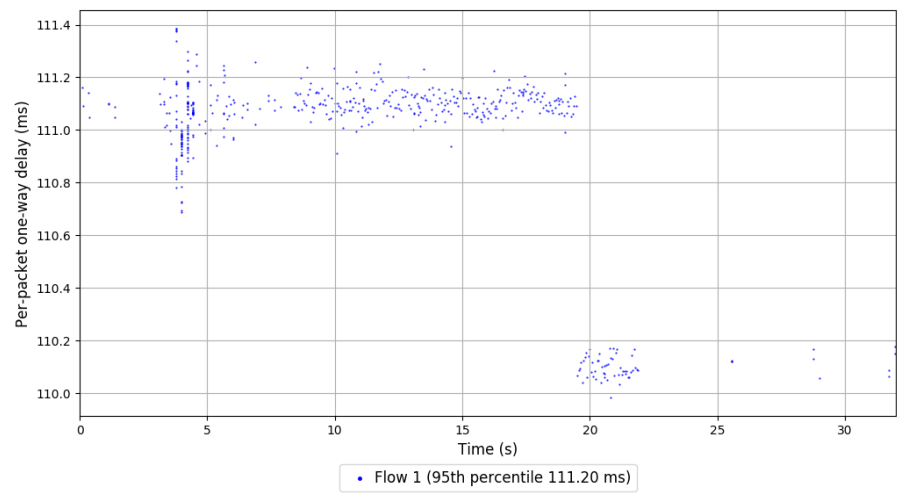
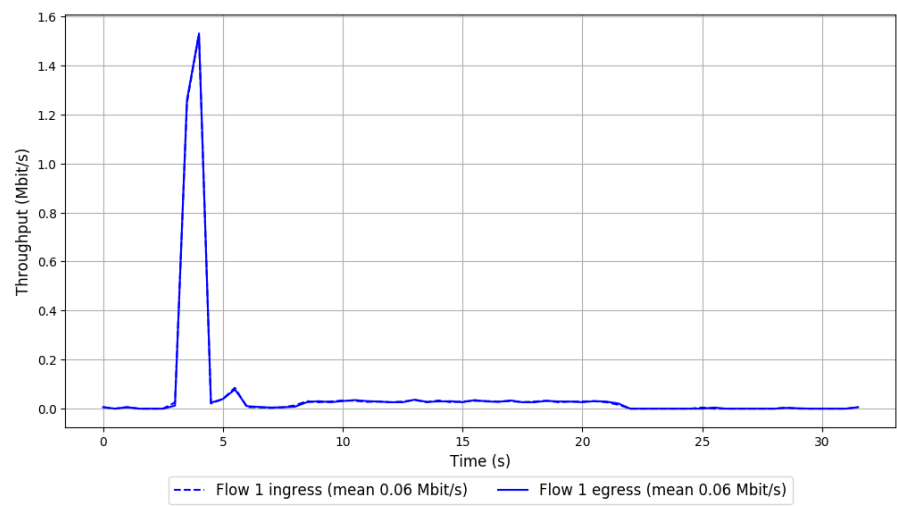
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 111.199 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-24 09:17:48

End at: 2018-04-24 09:18:18

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.119 ms

Loss rate: 0.04%

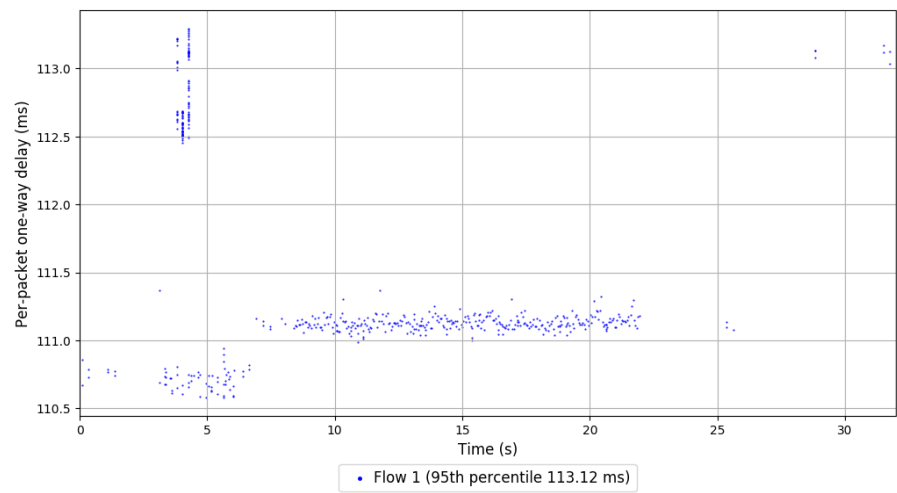
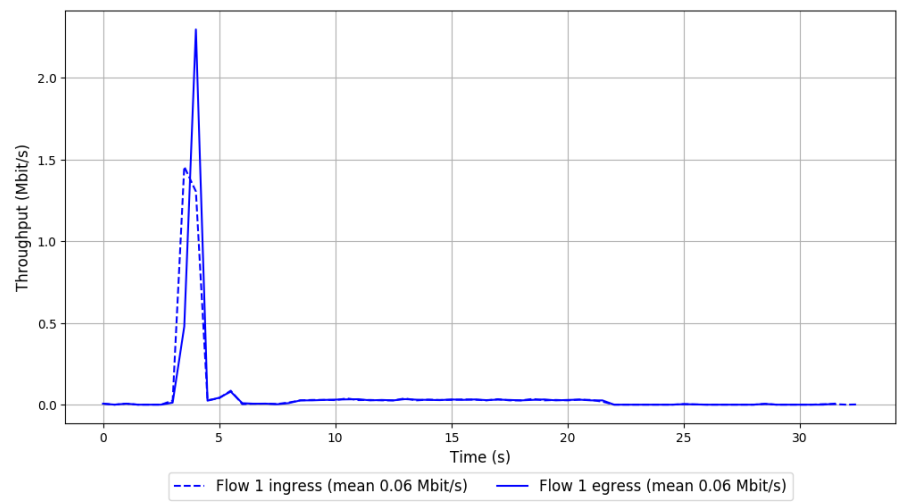
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.119 ms

Loss rate: 0.04%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-24 09:31:55

End at: 2018-04-24 09:32:25

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.180 ms

Loss rate: 0.00%

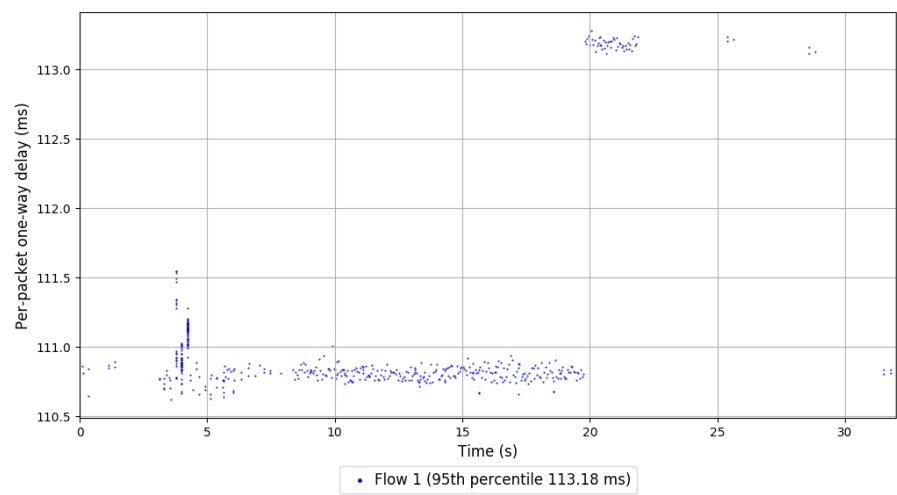
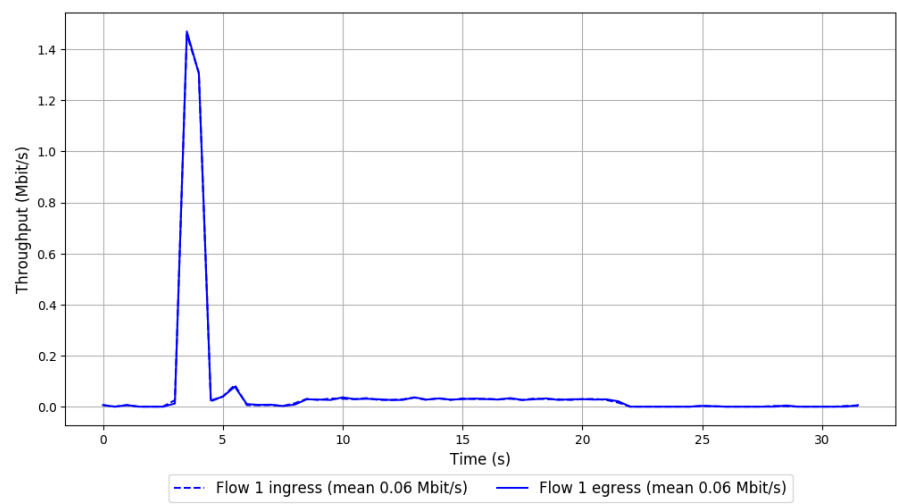
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.180 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-24 07:34:50

End at: 2018-04-24 07:35:20

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 114.644 ms

Loss rate: 0.00%

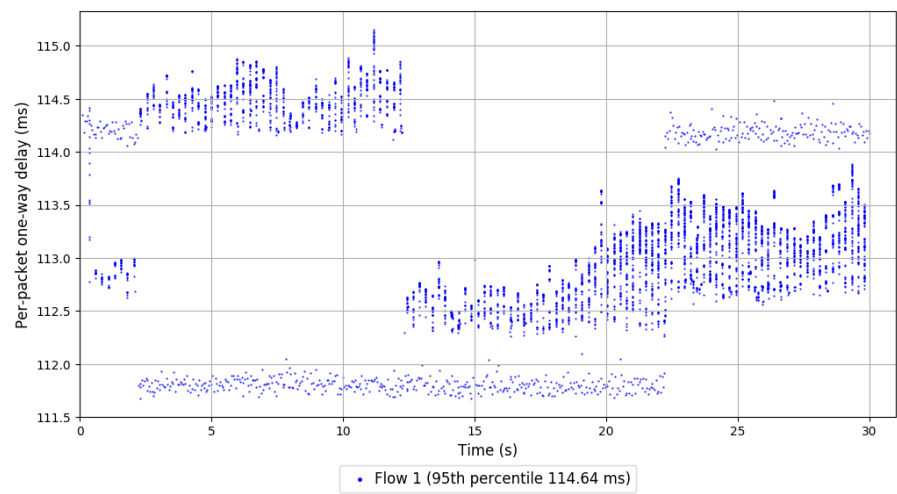
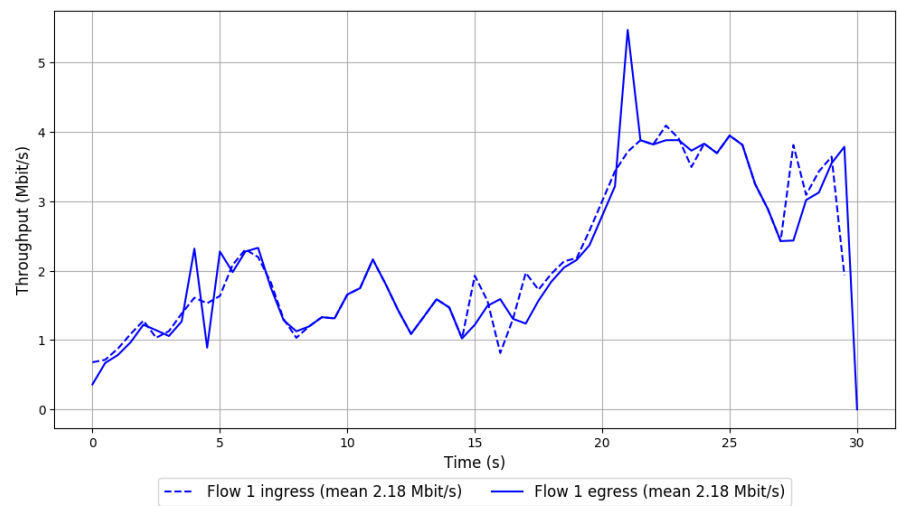
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 114.644 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-24 07:48:37

End at: 2018-04-24 07:49:07

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 113.138 ms

Loss rate: 0.00%

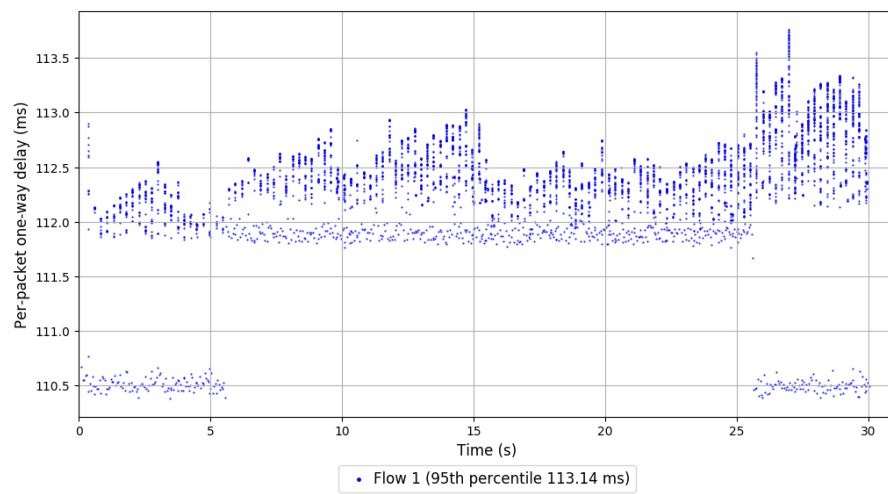
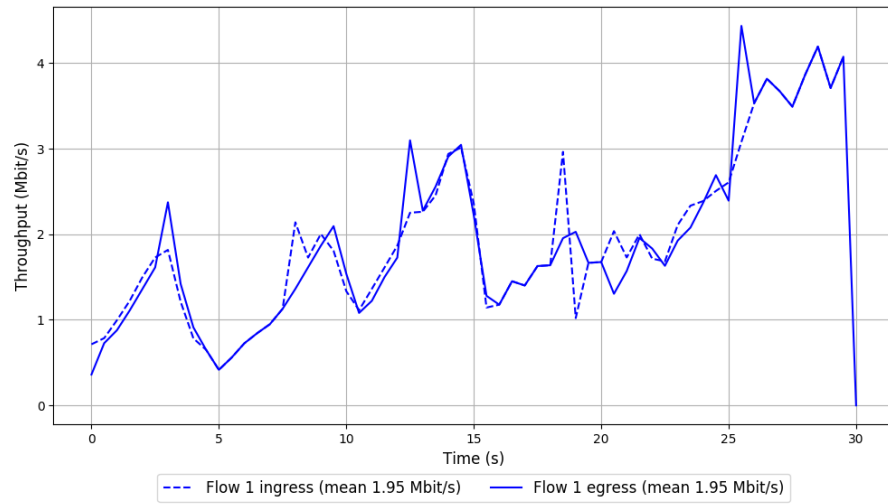
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 113.138 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-24 08:02:31

End at: 2018-04-24 08:03:01

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.78 Mbit/s

95th percentile per-packet one-way delay: 112.907 ms

Loss rate: 0.00%

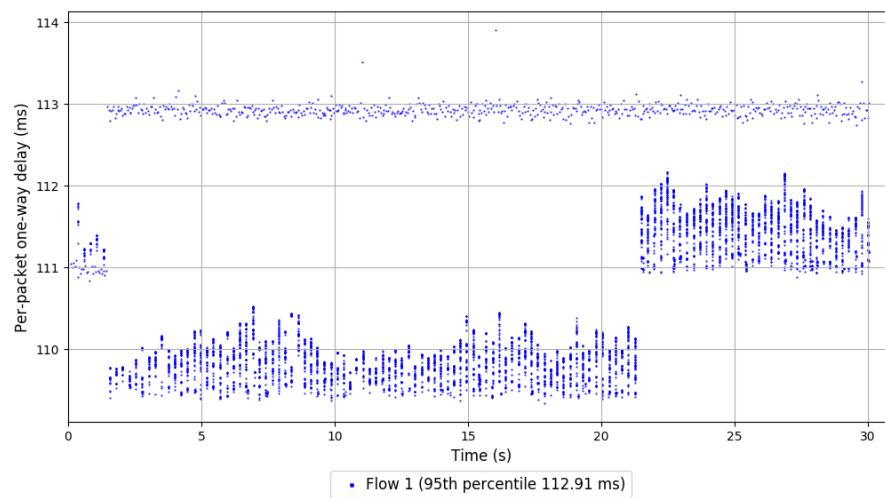
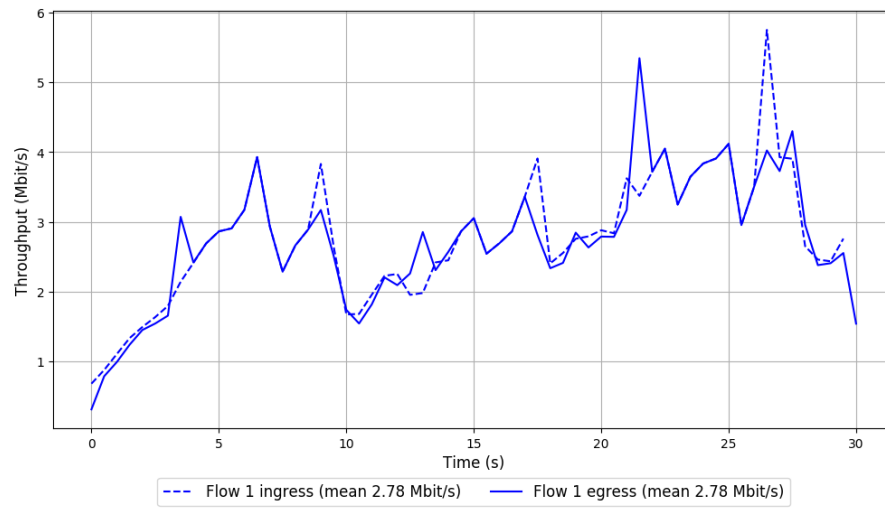
-- Flow 1:

Average throughput: 2.78 Mbit/s

95th percentile per-packet one-way delay: 112.907 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-24 08:16:20

End at: 2018-04-24 08:16:51

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 113.795 ms

Loss rate: 0.00%

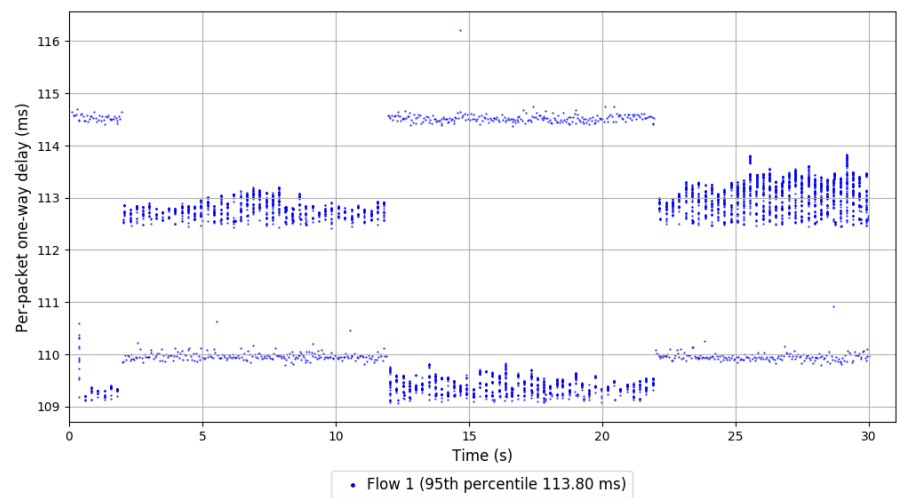
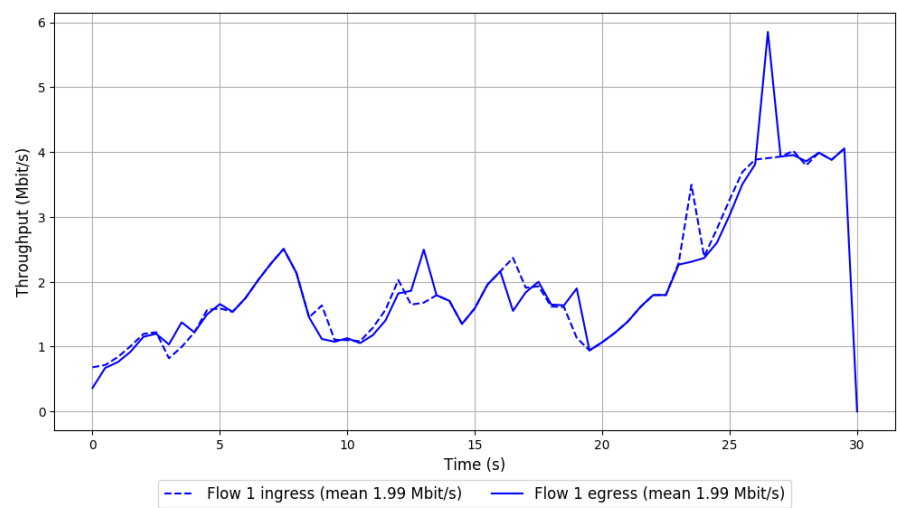
-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 113.795 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-24 08:30:09

End at: 2018-04-24 08:30:39

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 113.148 ms

Loss rate: 0.00%

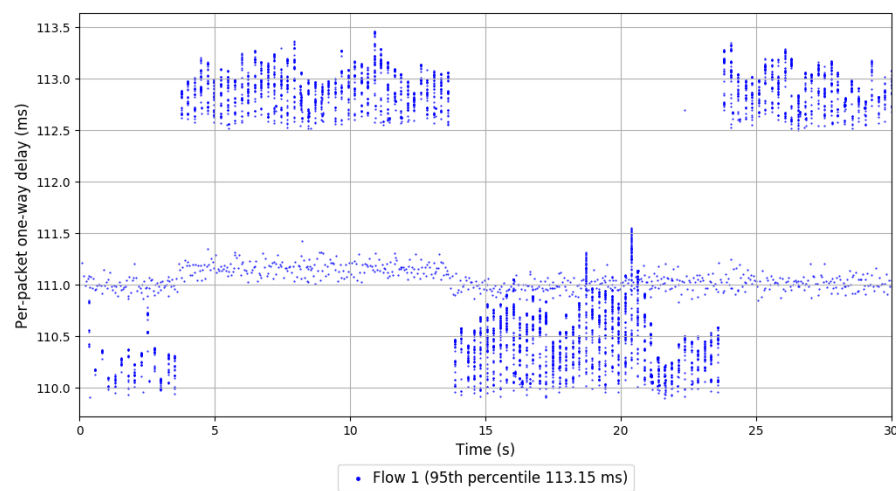
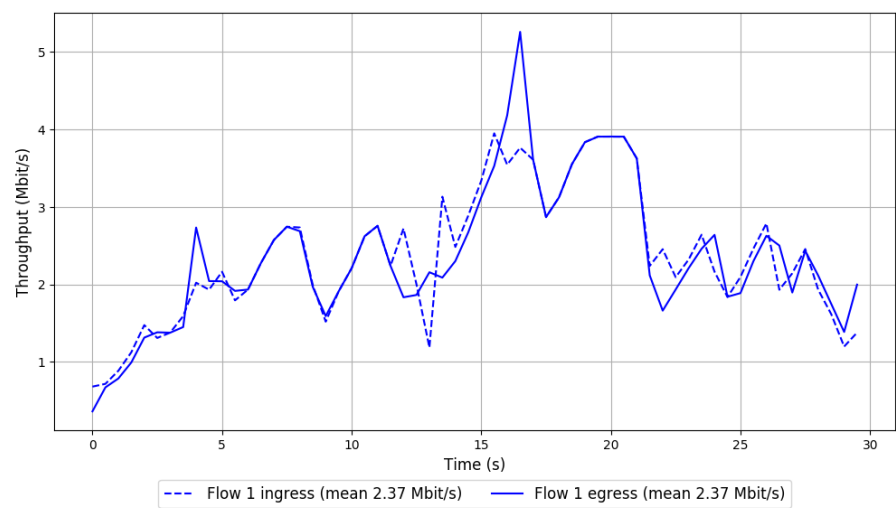
-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 113.148 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-24 08:43:51

End at: 2018-04-24 08:44:21

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 111.665 ms

Loss rate: 0.00%

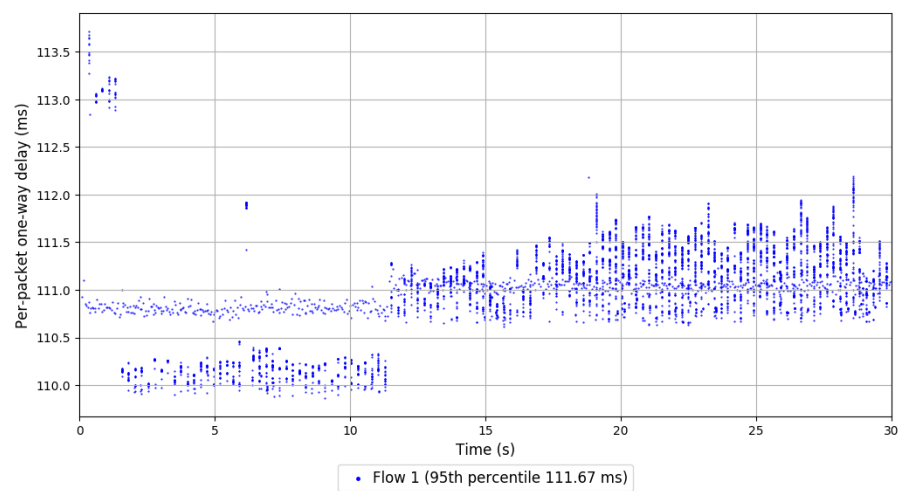
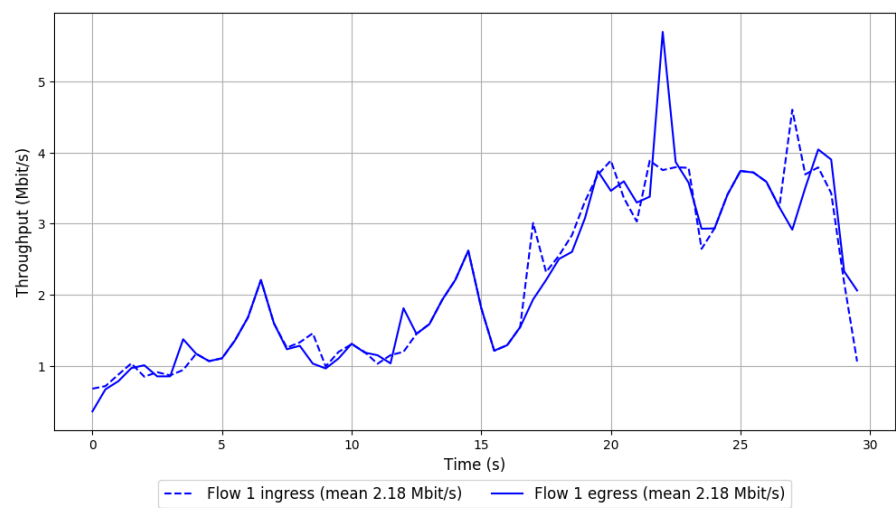
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 111.665 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-24 08:57:46

End at: 2018-04-24 08:58:16

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 113.505 ms

Loss rate: 0.00%

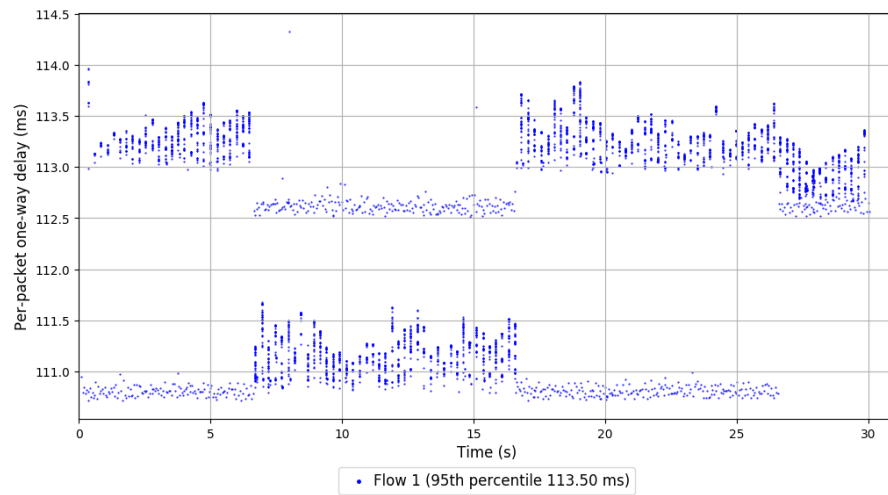
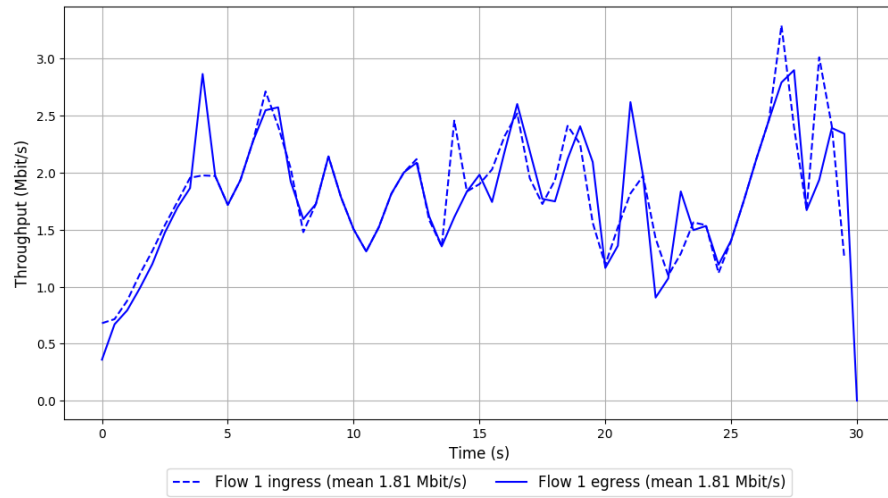
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 113.505 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-24 09:11:29

End at: 2018-04-24 09:11:59

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 113.318 ms

Loss rate: 0.00%

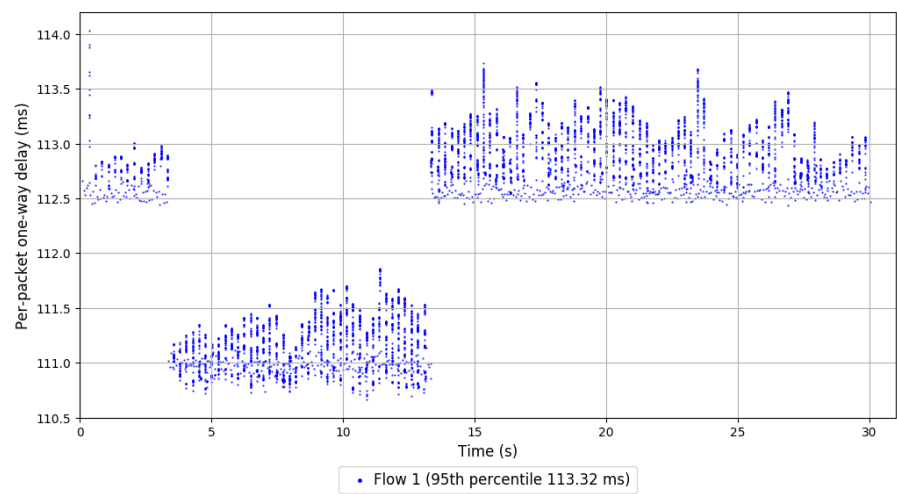
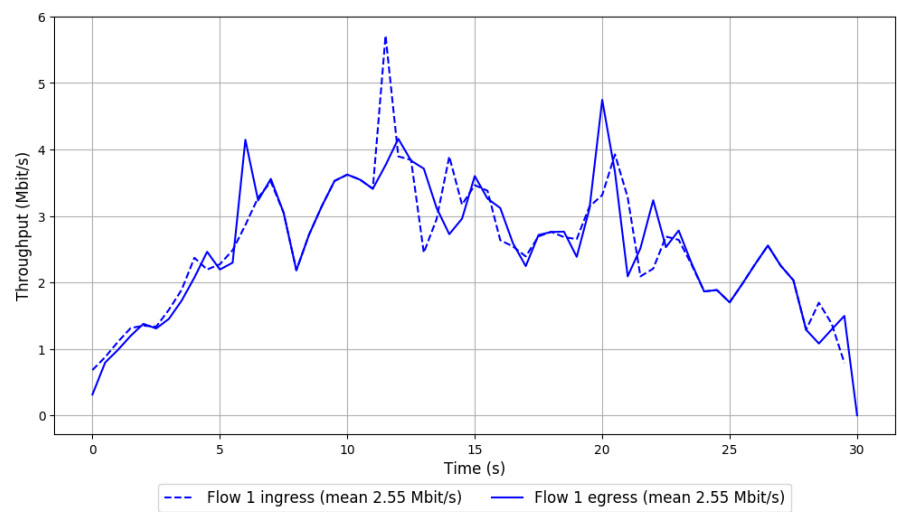
-- Flow 1:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 113.318 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-24 09:25:35

End at: 2018-04-24 09:26:05

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 114.672 ms

Loss rate: 0.00%

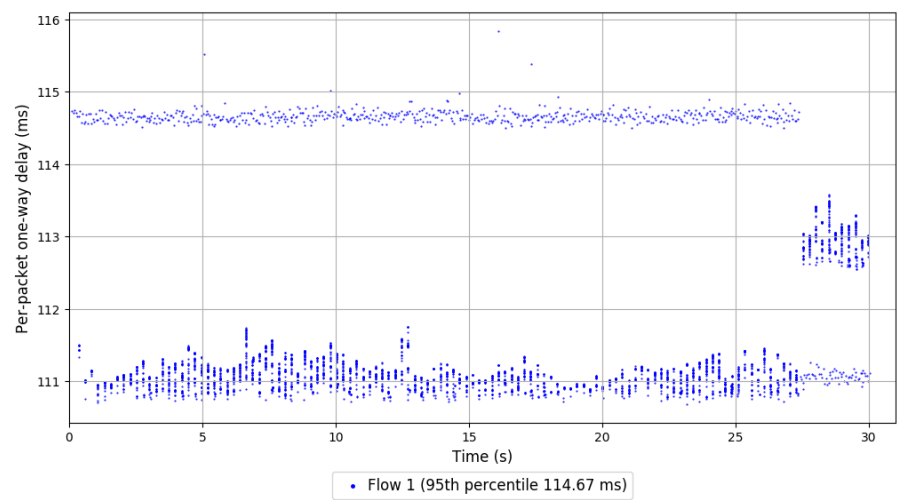
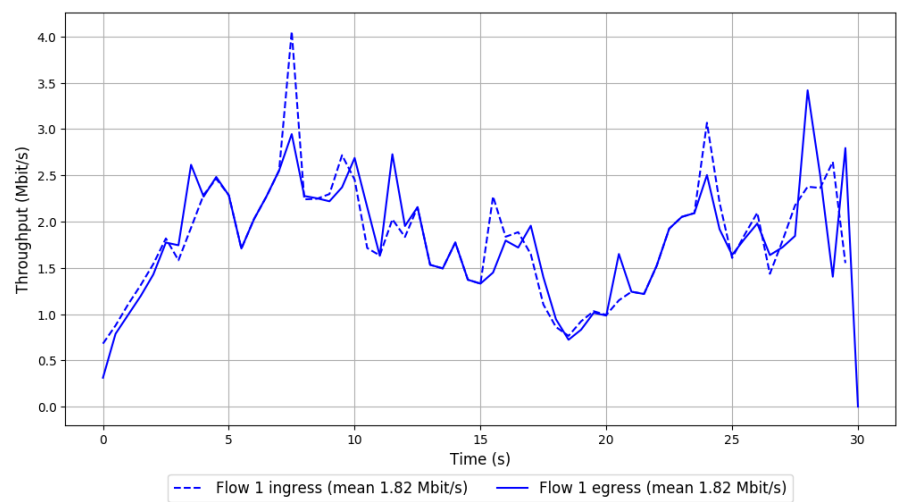
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 114.672 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-24 09:39:43

End at: 2018-04-24 09:40:13

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 112.911 ms

Loss rate: 0.00%

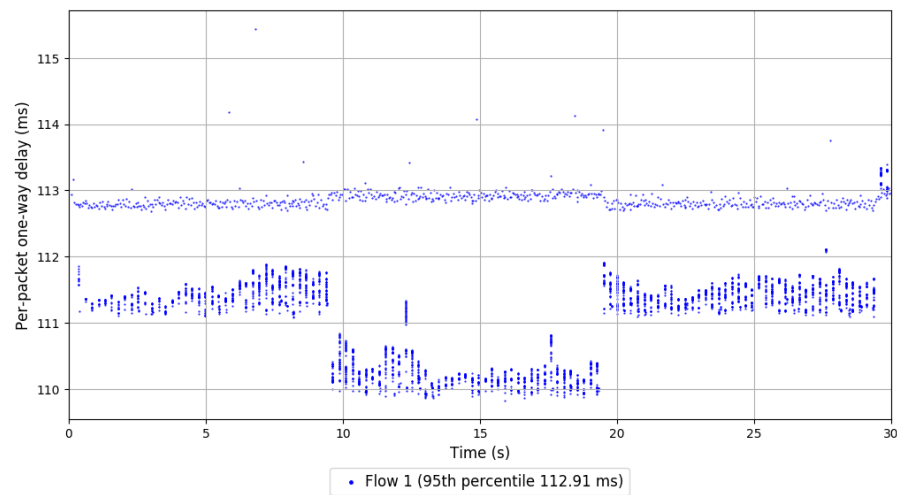
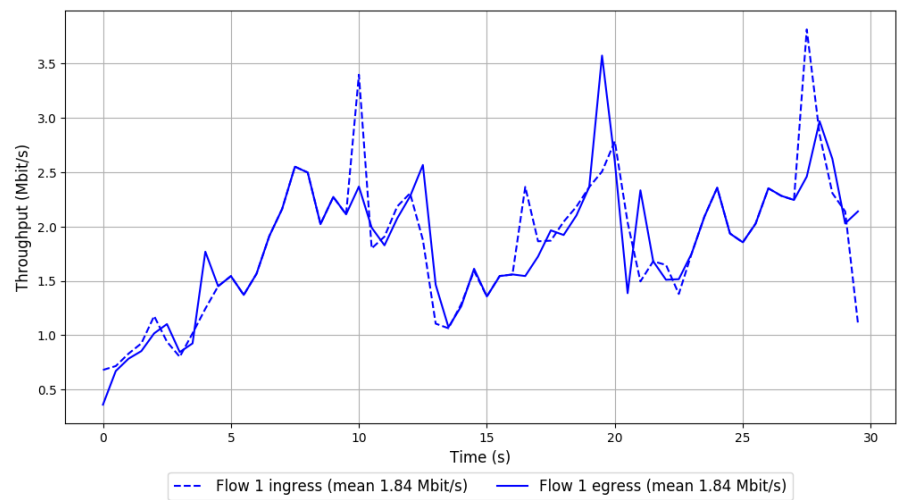
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 112.911 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

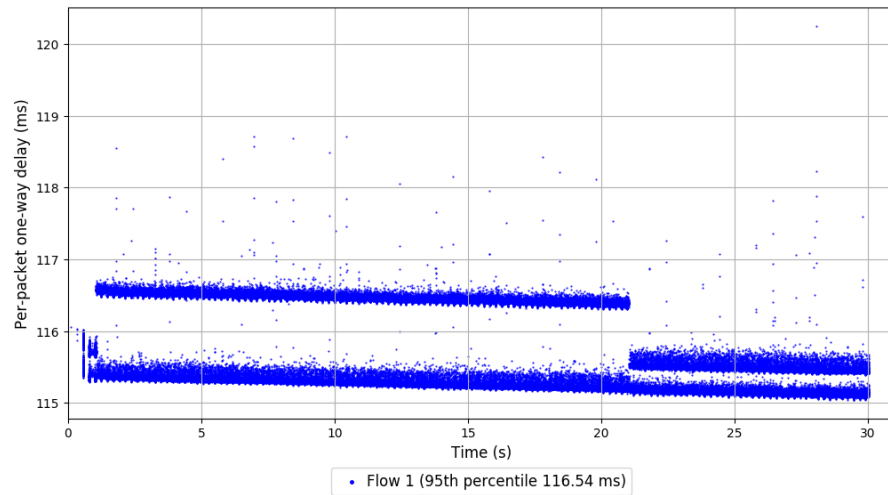
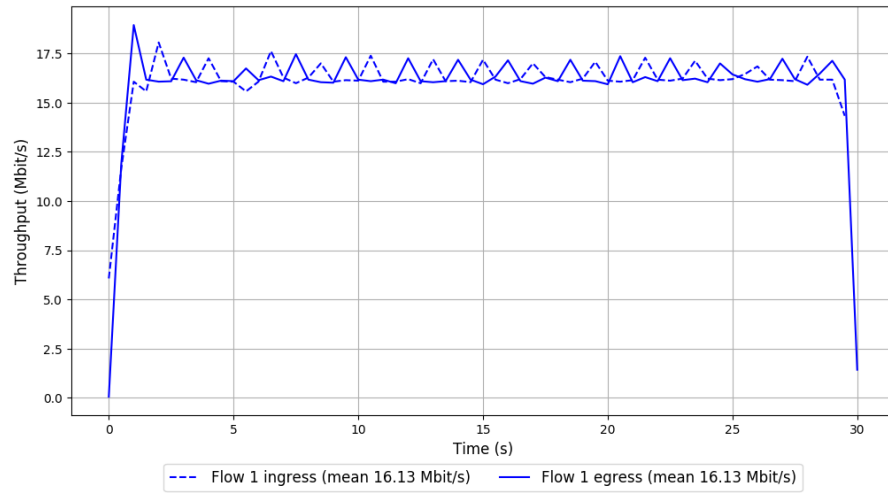


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 07:23:21
End at: 2018-04-24 07:23:51

# Below is generated by plot.py at 2018-04-24 10:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 116.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 116.542 ms
Loss rate: 0.00%
```


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

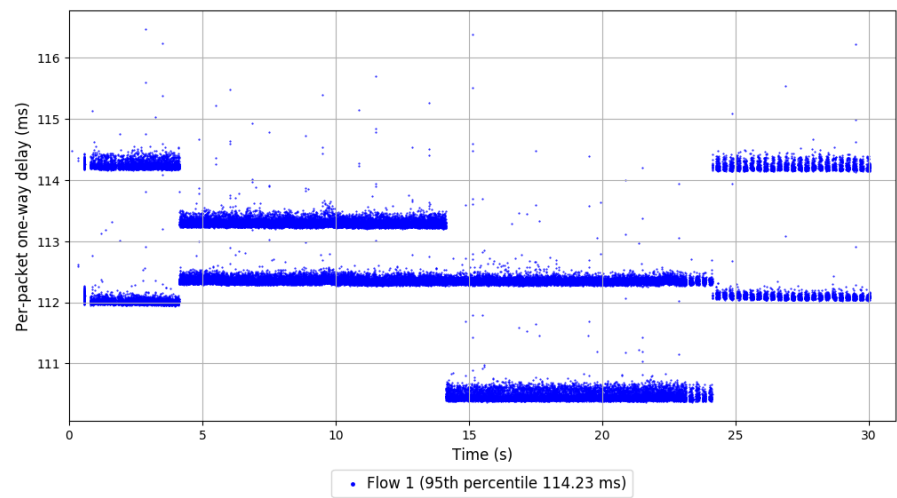
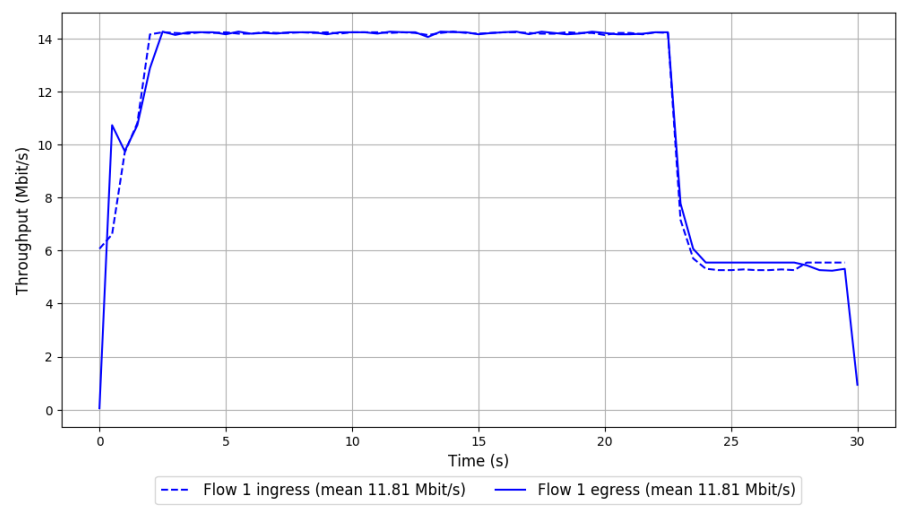


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 07:36:58
End at: 2018-04-24 07:37:28

# Below is generated by plot.py at 2018-04-24 10:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 114.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 114.232 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 07:50:43

End at: 2018-04-24 07:51:13

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.48 Mbit/s

95th percentile per-packet one-way delay: 113.799 ms

Loss rate: 0.00%

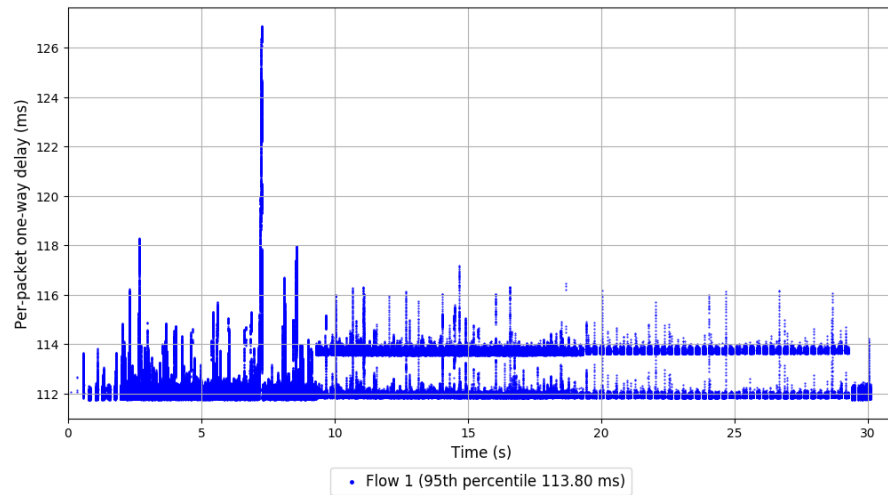
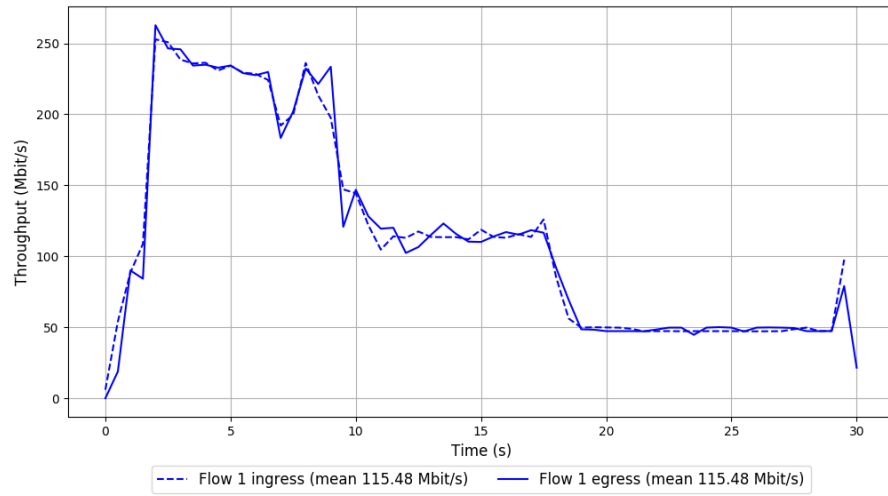
-- Flow 1:

Average throughput: 115.48 Mbit/s

95th percentile per-packet one-way delay: 113.799 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 08:04:35

End at: 2018-04-24 08:05:05

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.15 Mbit/s

95th percentile per-packet one-way delay: 112.635 ms

Loss rate: 0.00%

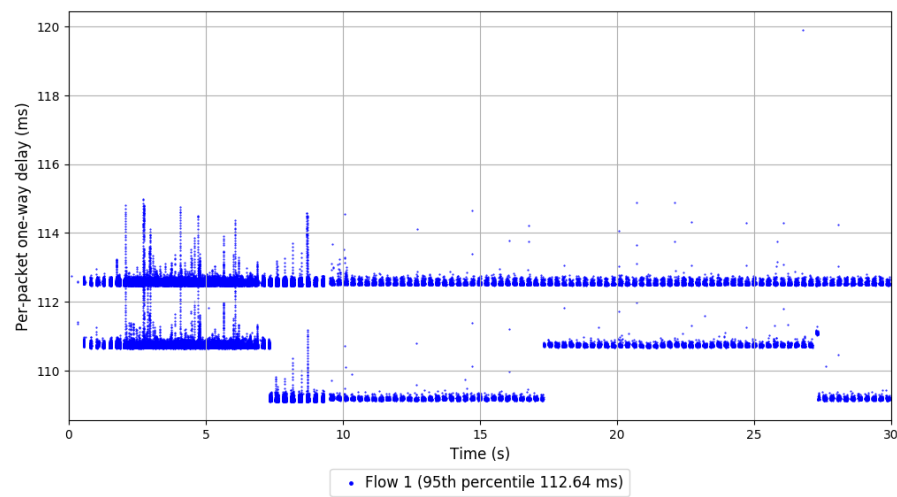
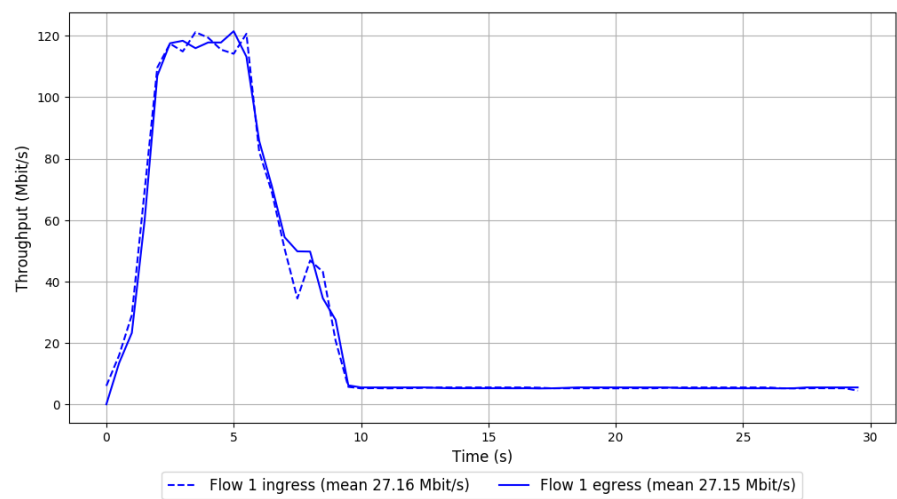
-- Flow 1:

Average throughput: 27.15 Mbit/s

95th percentile per-packet one-way delay: 112.635 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 08:18:29

End at: 2018-04-24 08:18:59

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.18 Mbit/s

95th percentile per-packet one-way delay: 112.788 ms

Loss rate: 0.00%

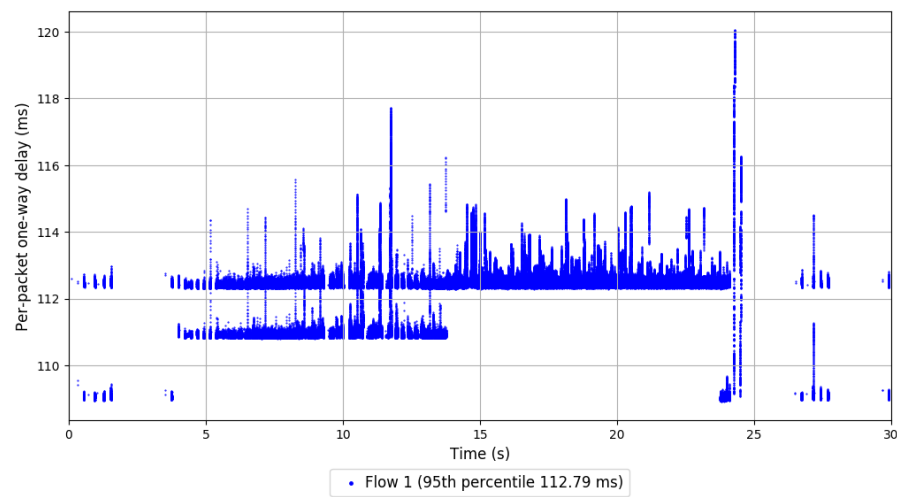
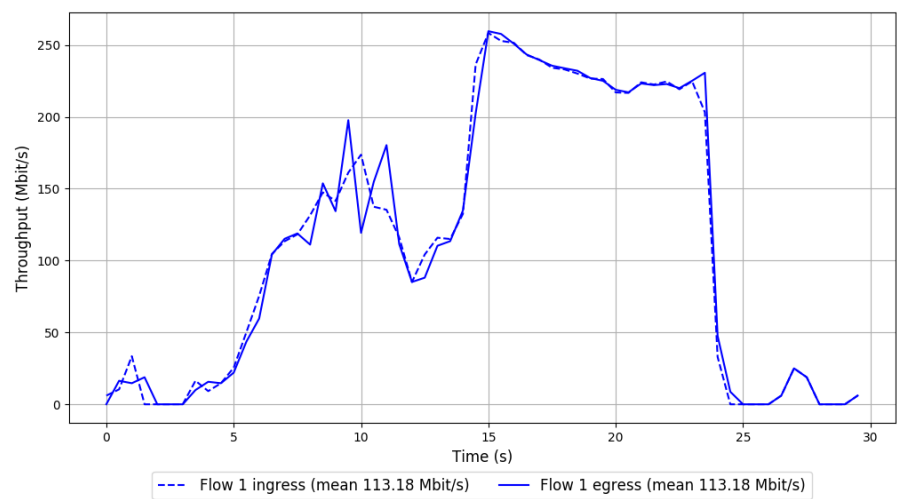
-- Flow 1:

Average throughput: 113.18 Mbit/s

95th percentile per-packet one-way delay: 112.788 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 08:32:17

End at: 2018-04-24 08:32:47

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: 112.861 ms

Loss rate: 0.00%

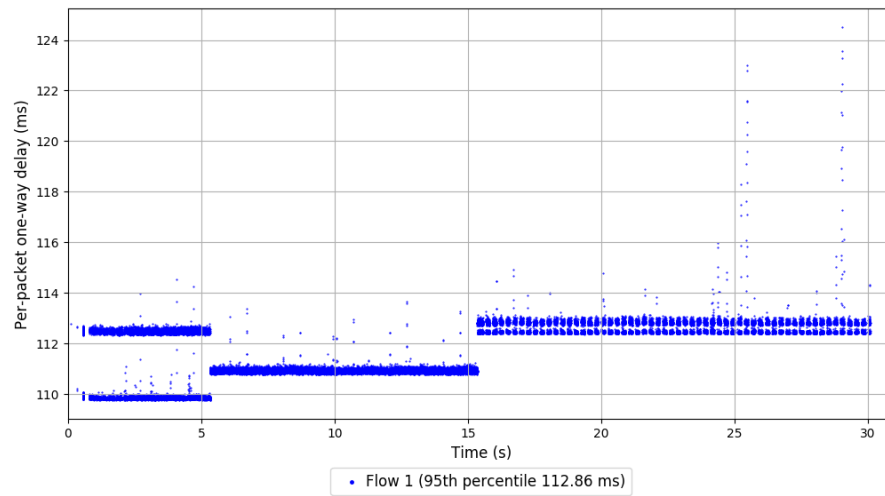
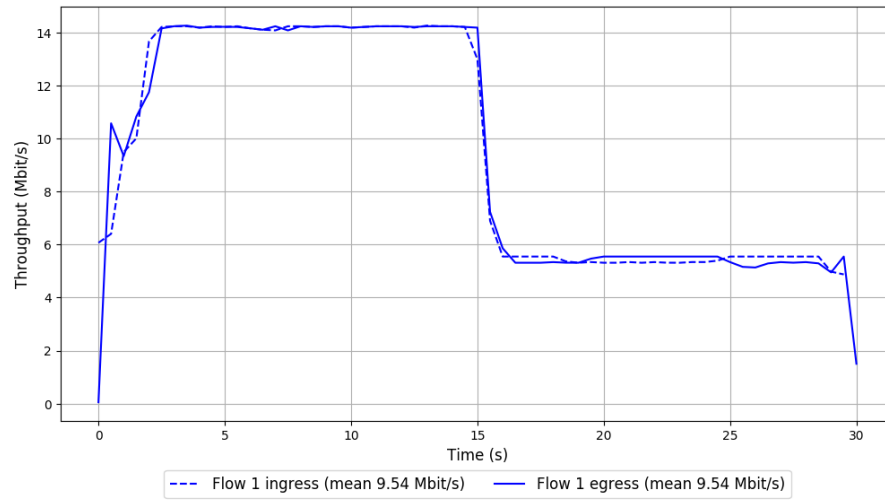
-- Flow 1:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: 112.861 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 08:45:55

End at: 2018-04-24 08:46:25

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.92 Mbit/s

95th percentile per-packet one-way delay: 112.884 ms

Loss rate: 0.00%

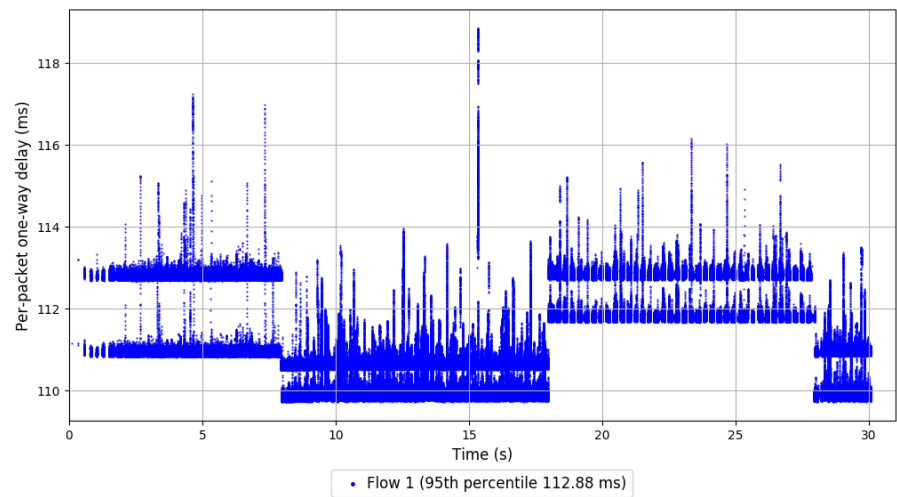
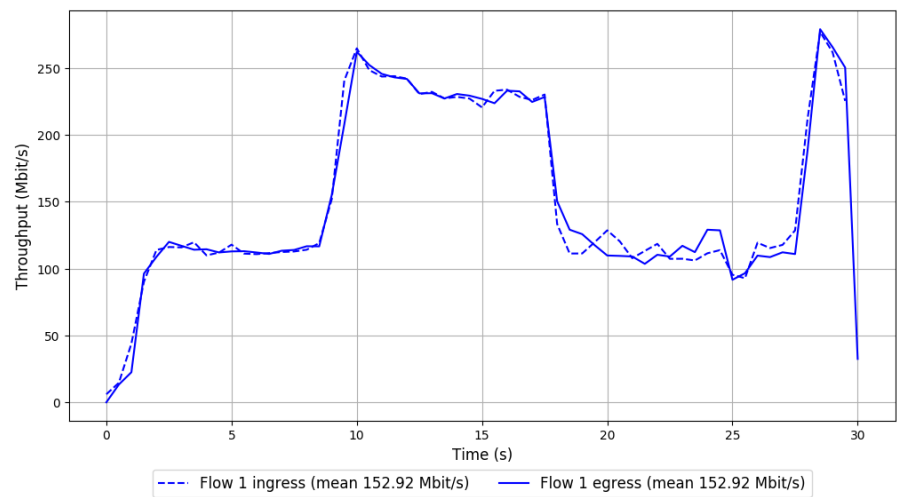
-- Flow 1:

Average throughput: 152.92 Mbit/s

95th percentile per-packet one-way delay: 112.884 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 08:59:51

End at: 2018-04-24 09:00:21

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.89 Mbit/s

95th percentile per-packet one-way delay: 112.654 ms

Loss rate: 0.00%

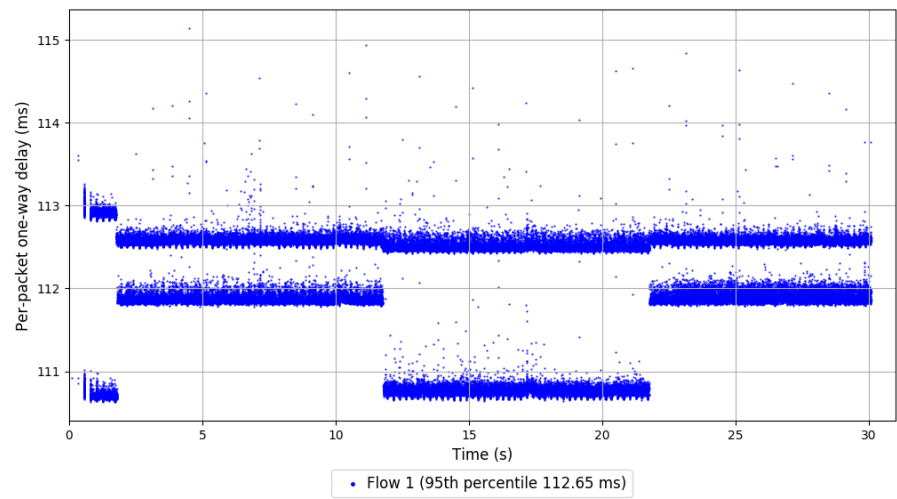
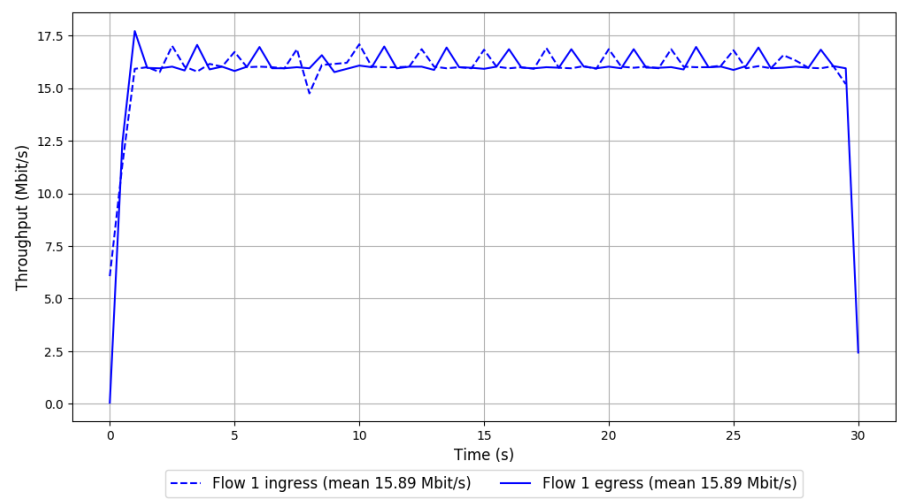
-- Flow 1:

Average throughput: 15.89 Mbit/s

95th percentile per-packet one-way delay: 112.654 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

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

End at: 2018-04-24 09:14:07

Below is generated by plot.py at 2018-04-24 10:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.00 Mbit/s

95th percentile per-packet one-way delay: 113.782 ms

Loss rate: 0.00%

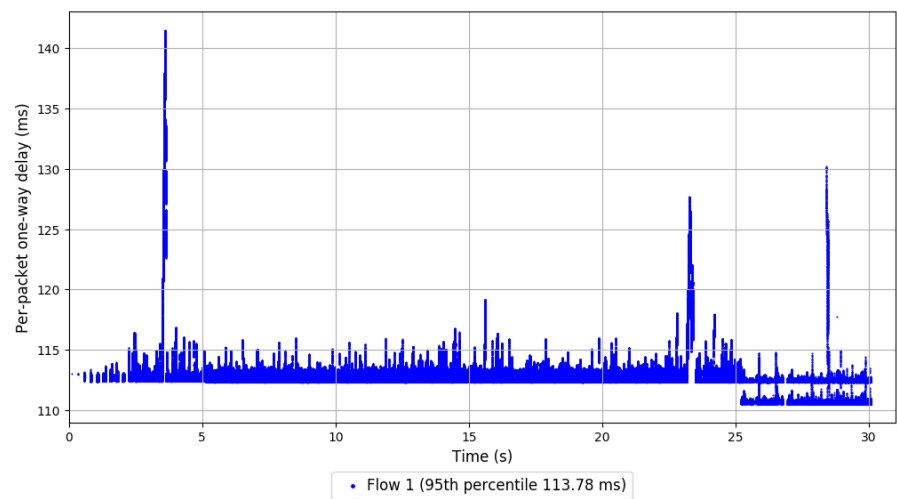
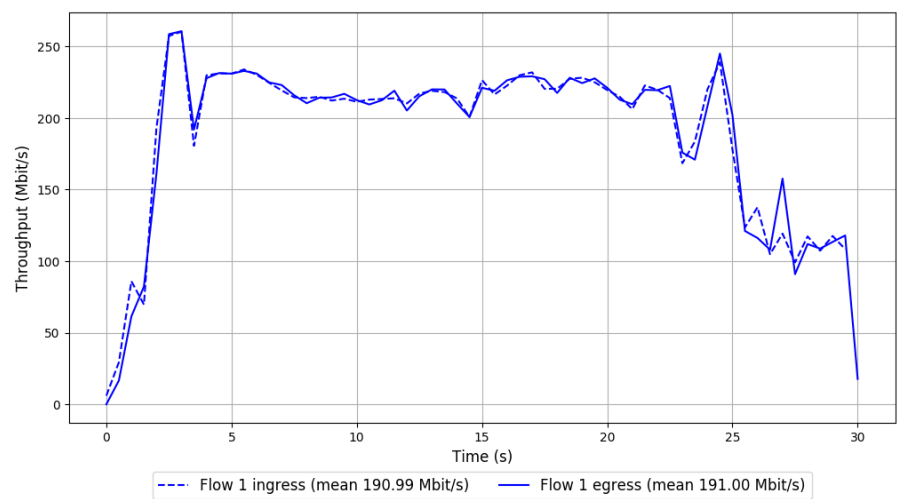
-- Flow 1:

Average throughput: 191.00 Mbit/s

95th percentile per-packet one-way delay: 113.782 ms

Loss rate: 0.00%

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

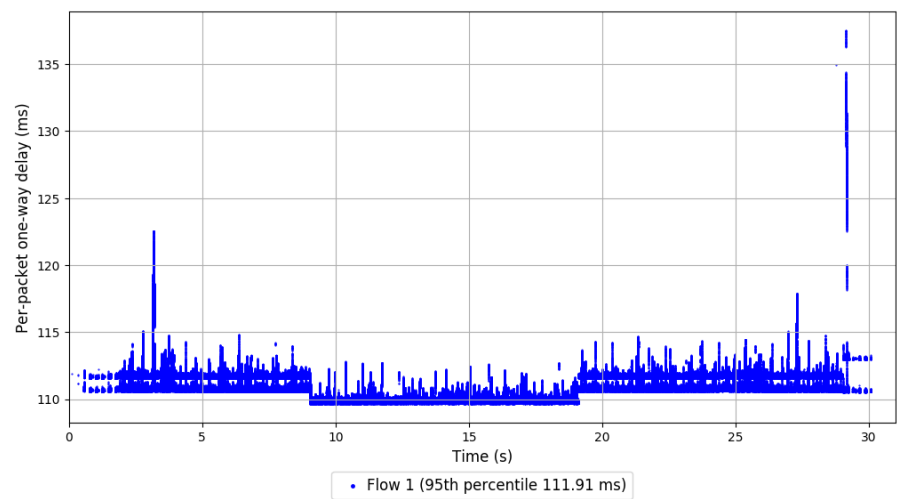
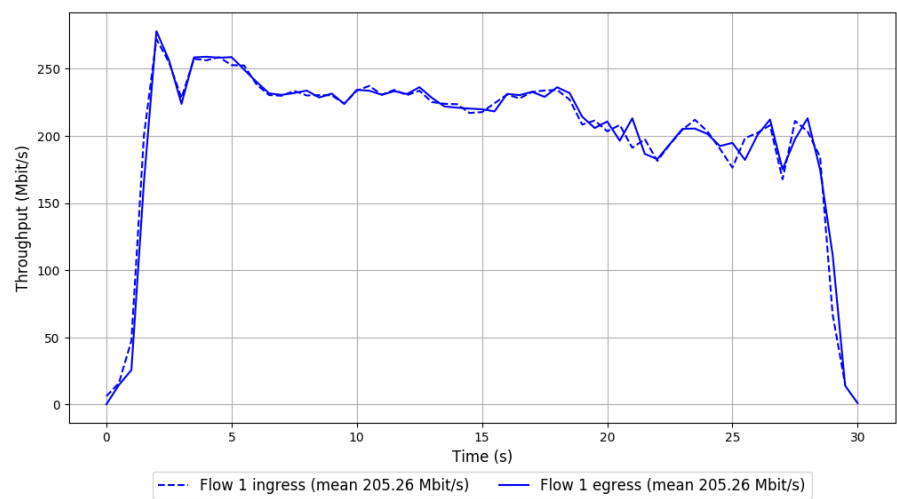


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-24 09:27:43
End at: 2018-04-24 09:28:14

# Below is generated by plot.py at 2018-04-24 10:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.26 Mbit/s
95th percentile per-packet one-way delay: 111.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.26 Mbit/s
95th percentile per-packet one-way delay: 111.908 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 07:35:31

End at: 2018-04-24 07:36:01

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.51 Mbit/s

95th percentile per-packet one-way delay: 120.788 ms

Loss rate: 0.06%

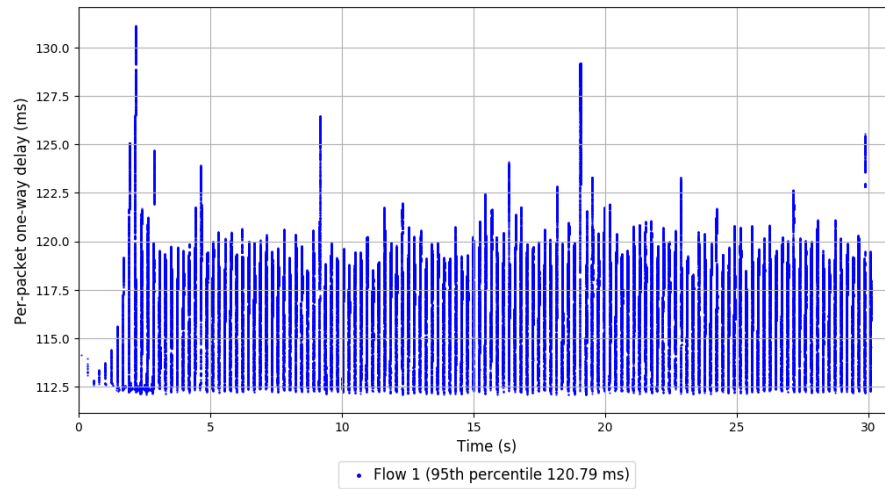
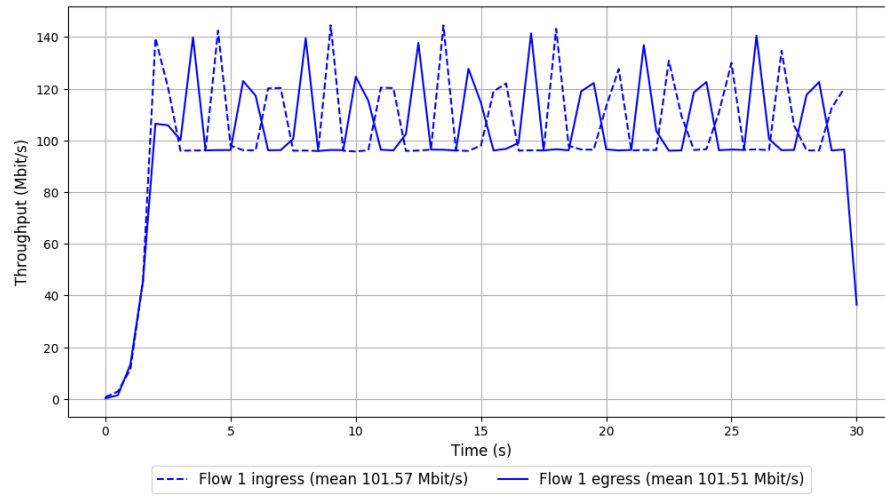
-- Flow 1:

Average throughput: 101.51 Mbit/s

95th percentile per-packet one-way delay: 120.788 ms

Loss rate: 0.06%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 07:49:18

End at: 2018-04-24 07:49:48

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.89 Mbit/s

95th percentile per-packet one-way delay: 113.589 ms

Loss rate: 0.00%

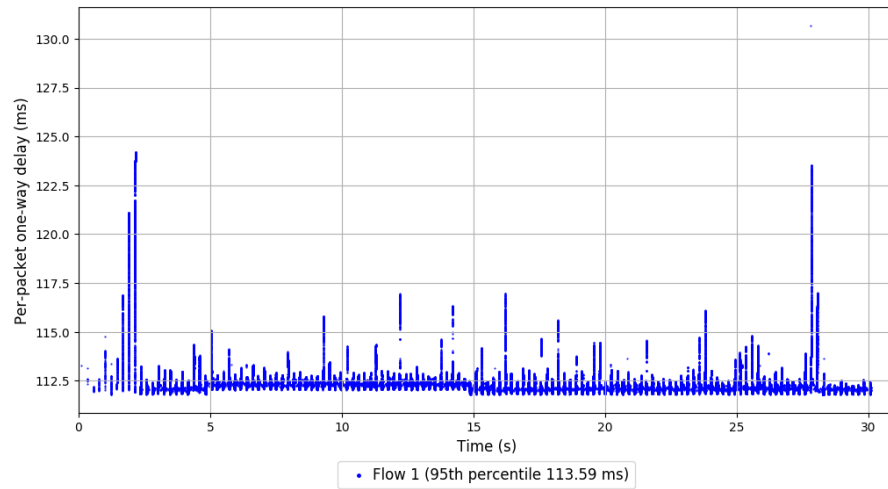
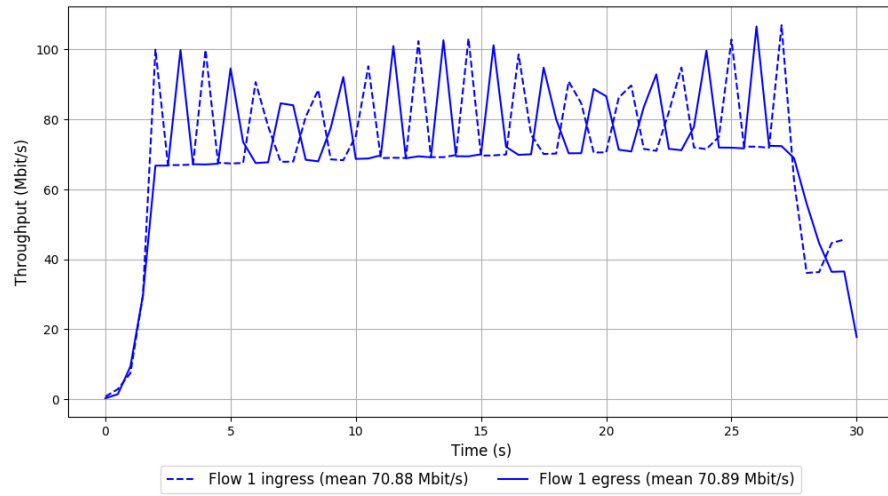
-- Flow 1:

Average throughput: 70.89 Mbit/s

95th percentile per-packet one-way delay: 113.589 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 08:03:12

End at: 2018-04-24 08:03:42

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.15 Mbit/s

95th percentile per-packet one-way delay: 111.503 ms

Loss rate: 0.00%

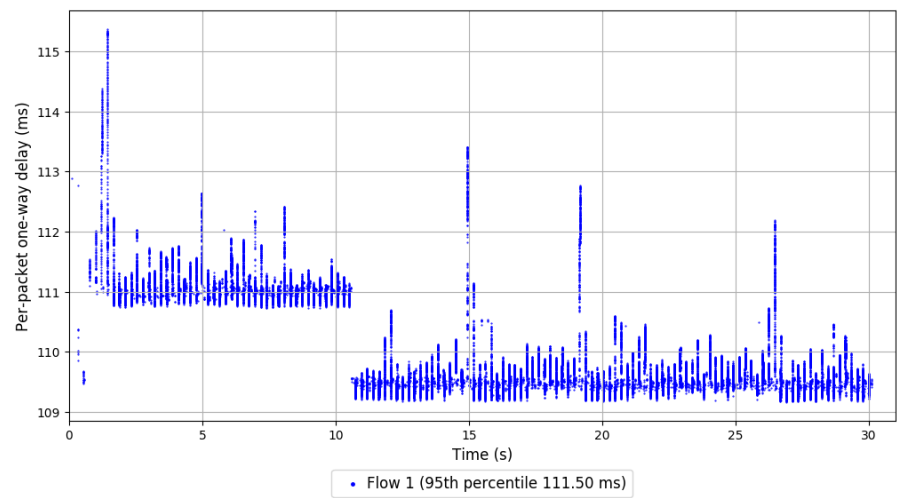
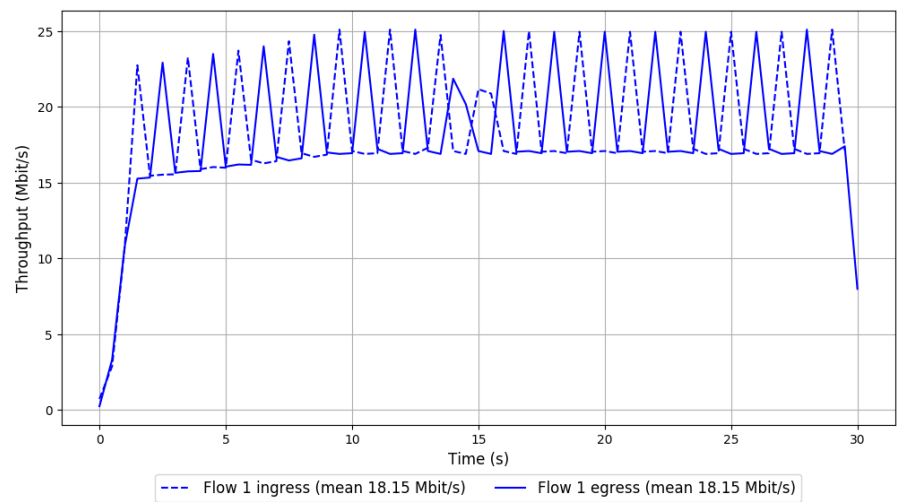
-- Flow 1:

Average throughput: 18.15 Mbit/s

95th percentile per-packet one-way delay: 111.503 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 08:17:01

End at: 2018-04-24 08:17:31

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.53 Mbit/s

95th percentile per-packet one-way delay: 120.701 ms

Loss rate: 0.00%

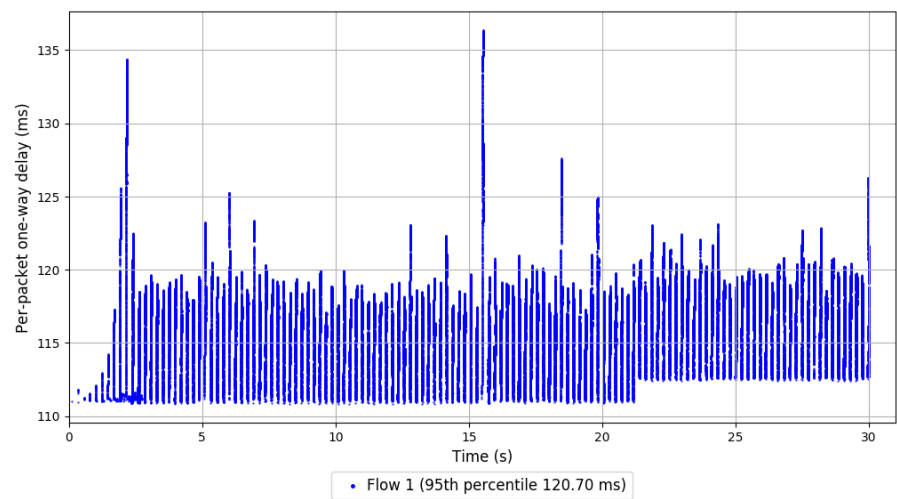
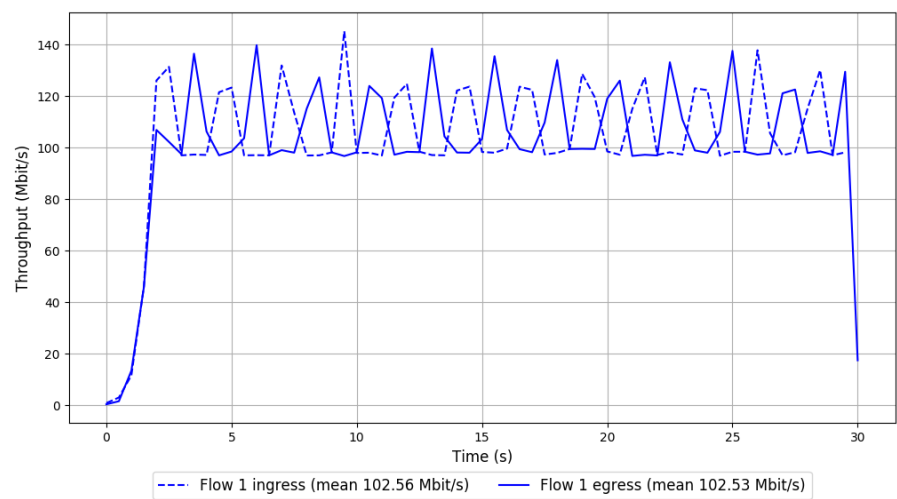
-- Flow 1:

Average throughput: 102.53 Mbit/s

95th percentile per-packet one-way delay: 120.701 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 08:30:50

End at: 2018-04-24 08:31:20

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.55 Mbit/s

95th percentile per-packet one-way delay: 120.855 ms

Loss rate: 0.00%

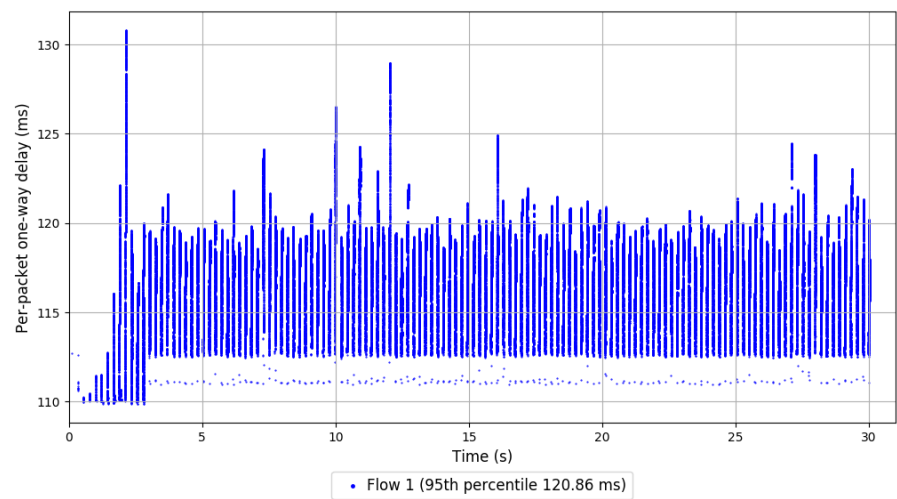
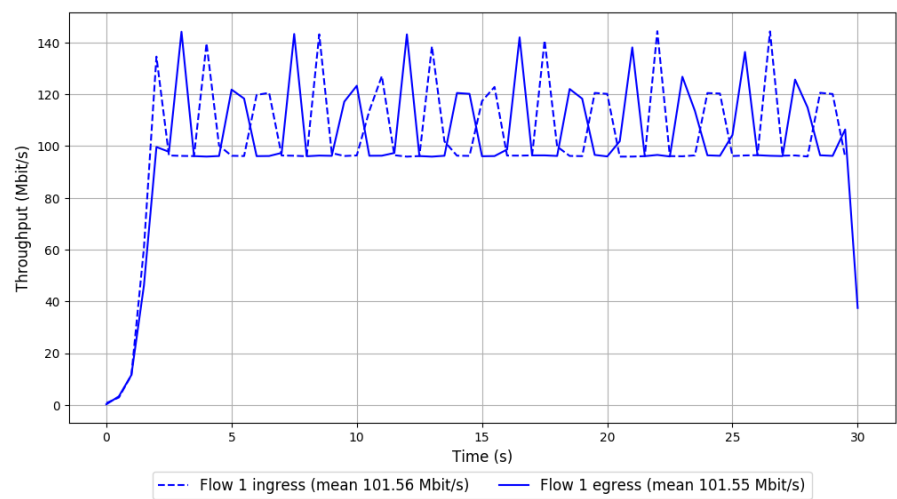
-- Flow 1:

Average throughput: 101.55 Mbit/s

95th percentile per-packet one-way delay: 120.855 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 08:44:32

End at: 2018-04-24 08:45:02

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.69 Mbit/s

95th percentile per-packet one-way delay: 113.848 ms

Loss rate: 0.00%

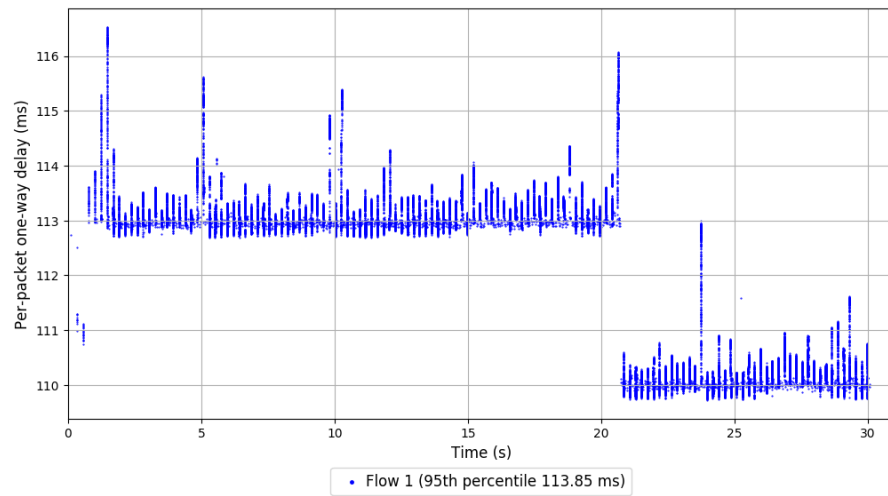
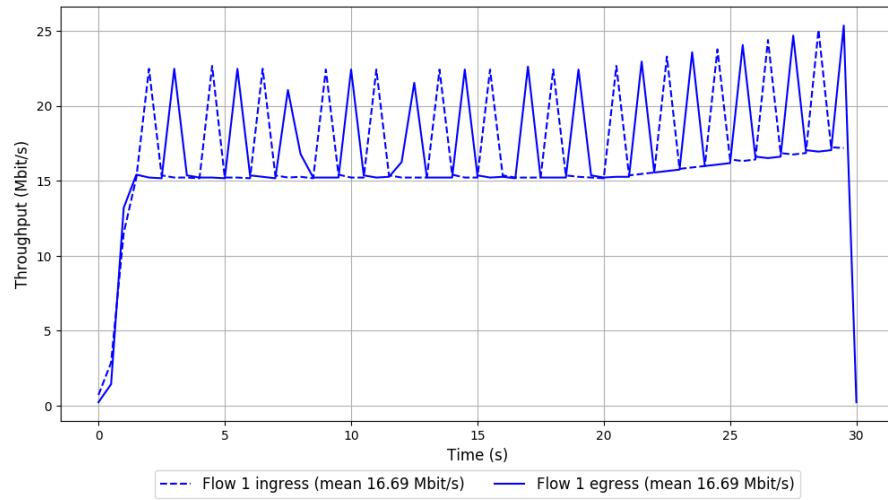
-- Flow 1:

Average throughput: 16.69 Mbit/s

95th percentile per-packet one-way delay: 113.848 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 08:58:27

End at: 2018-04-24 08:58:57

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.32 Mbit/s

95th percentile per-packet one-way delay: 114.823 ms

Loss rate: 0.00%

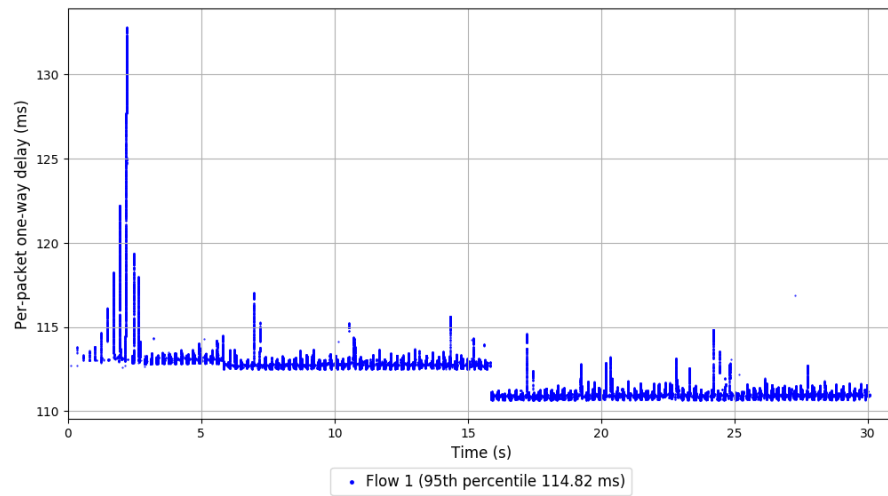
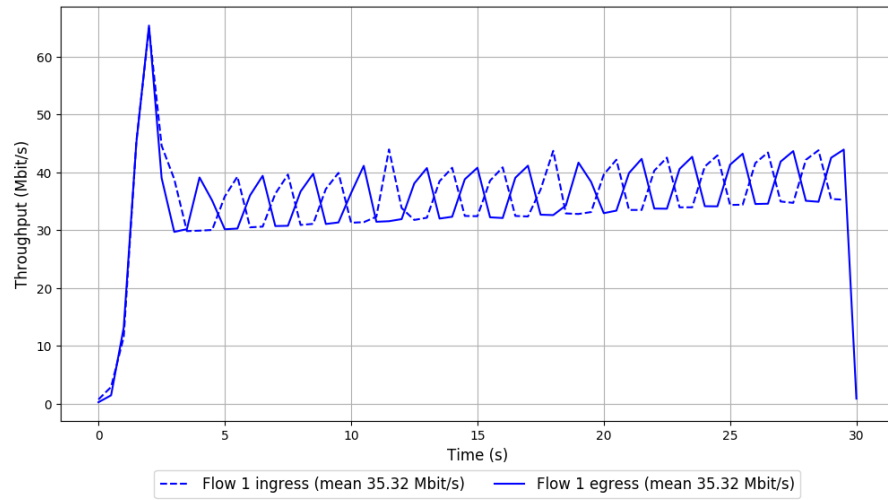
-- Flow 1:

Average throughput: 35.32 Mbit/s

95th percentile per-packet one-way delay: 114.823 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

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

End at: 2018-04-24 09:12:40

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.30 Mbit/s

95th percentile per-packet one-way delay: 121.331 ms

Loss rate: 0.00%

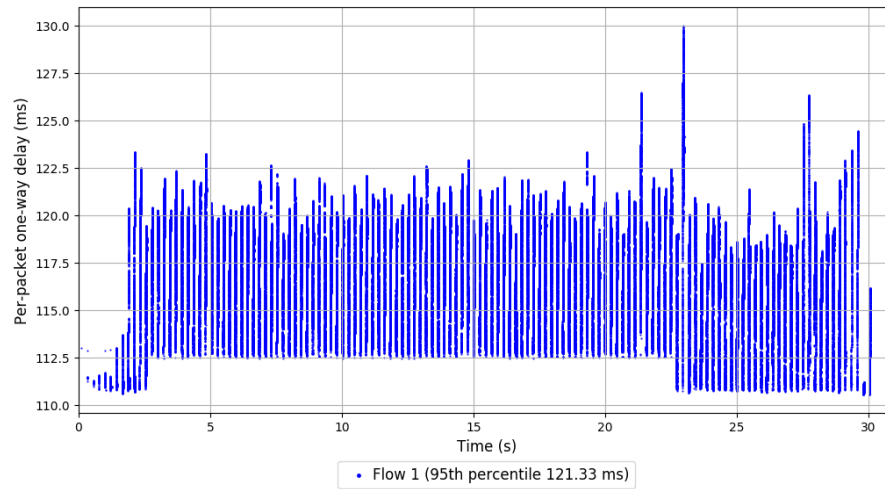
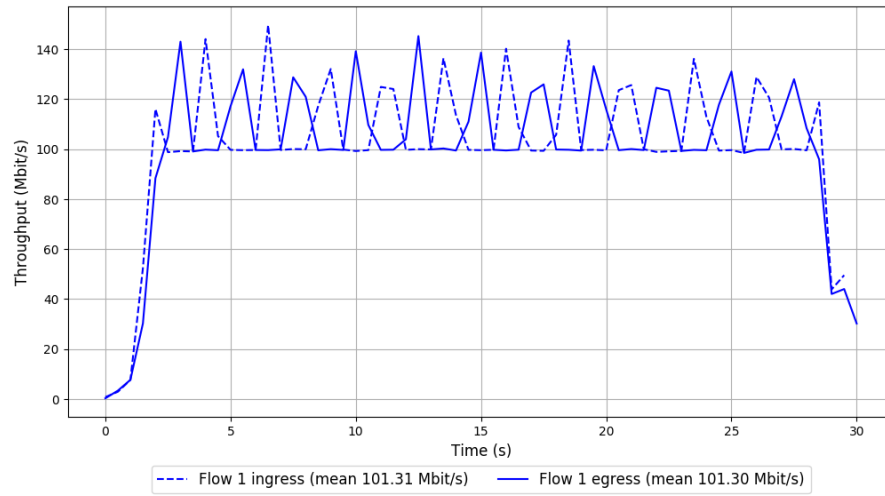
-- Flow 1:

Average throughput: 101.30 Mbit/s

95th percentile per-packet one-way delay: 121.331 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 09:26:16

End at: 2018-04-24 09:26:46

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.67 Mbit/s

95th percentile per-packet one-way delay: 122.096 ms

Loss rate: 0.00%

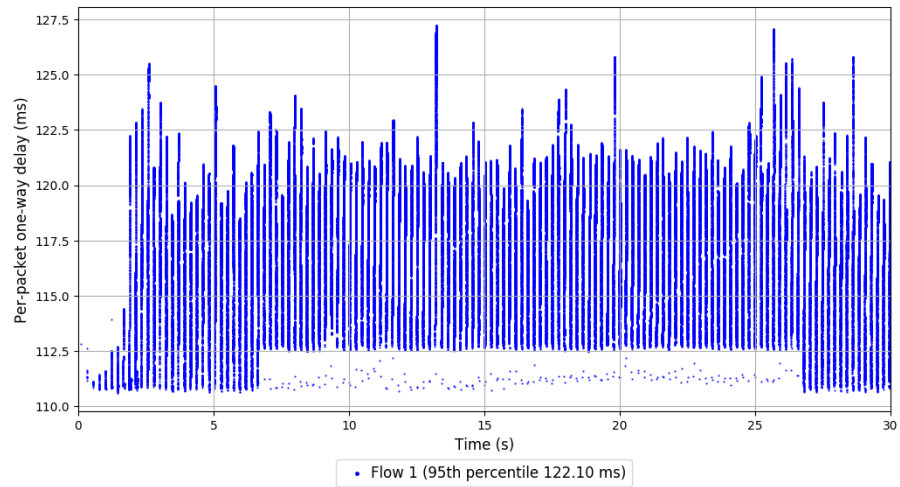
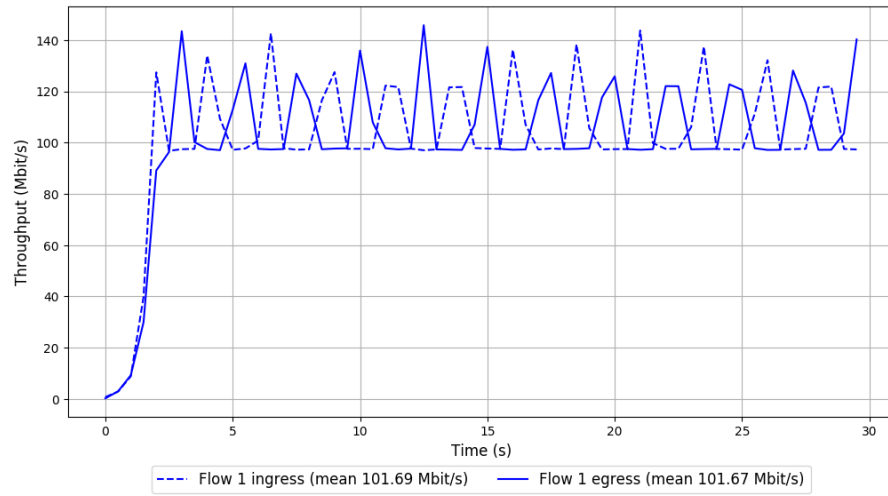
-- Flow 1:

Average throughput: 101.67 Mbit/s

95th percentile per-packet one-way delay: 122.096 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 09:40:24

End at: 2018-04-24 09:40:54

Below is generated by plot.py at 2018-04-24 10:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: 115.003 ms

Loss rate: 0.00%

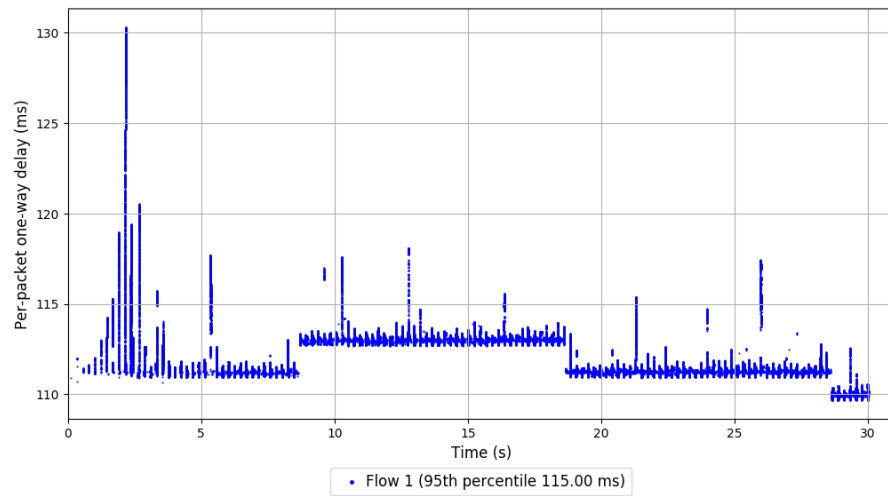
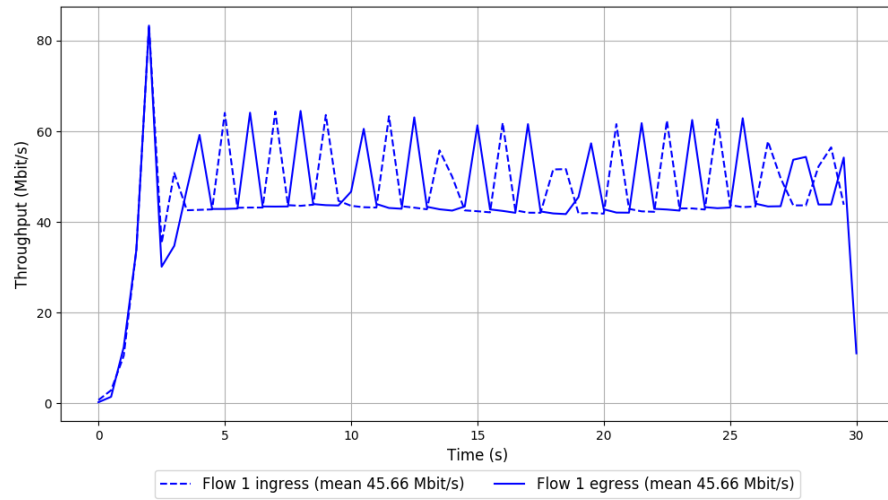
-- Flow 1:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: 115.003 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

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

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

Below is generated by plot.py at 2018-04-24 10:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.44 Mbit/s

95th percentile per-packet one-way delay: 162.007 ms

Loss rate: 1.31%

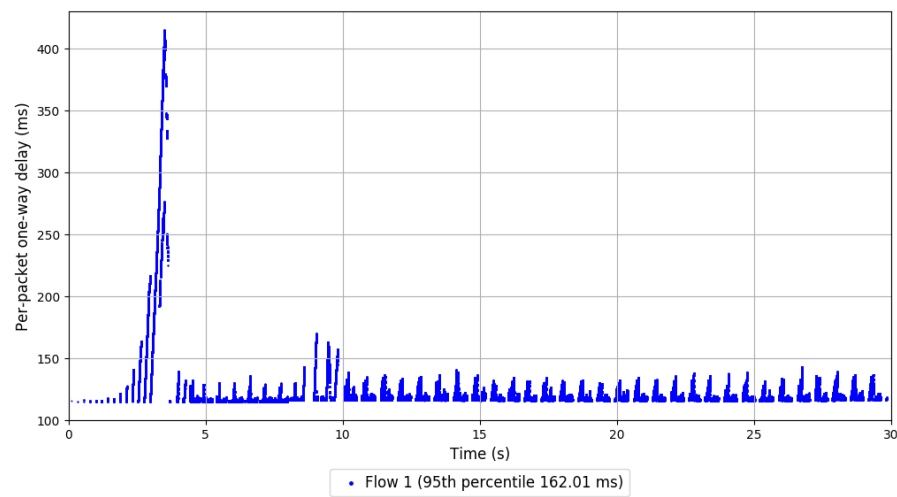
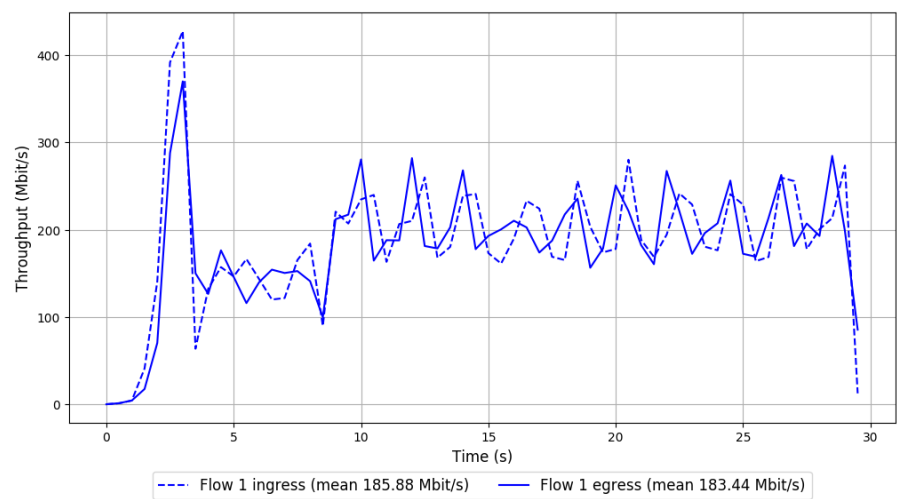
-- Flow 1:

Average throughput: 183.44 Mbit/s

95th percentile per-packet one-way delay: 162.007 ms

Loss rate: 1.31%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-24 07:37:41

End at: 2018-04-24 07:38:11

Below is generated by plot.py at 2018-04-24 11:01:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.84 Mbit/s

95th percentile per-packet one-way delay: 178.310 ms

Loss rate: 0.06%

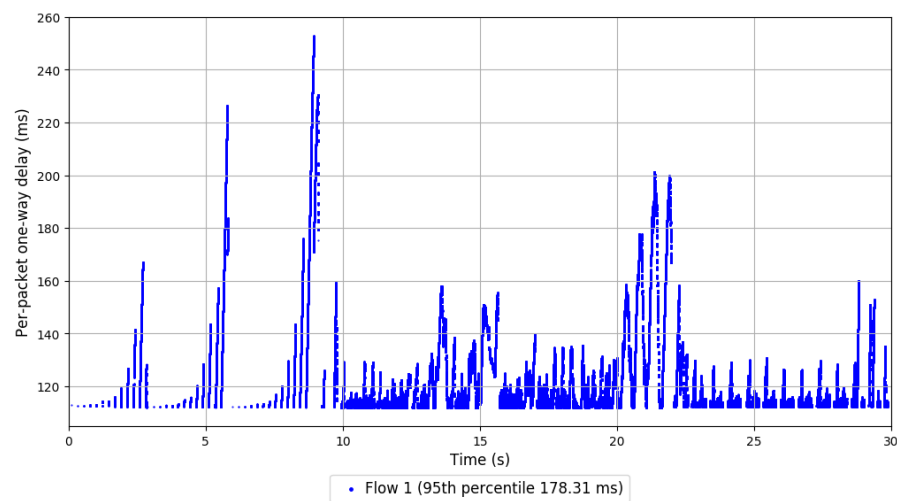
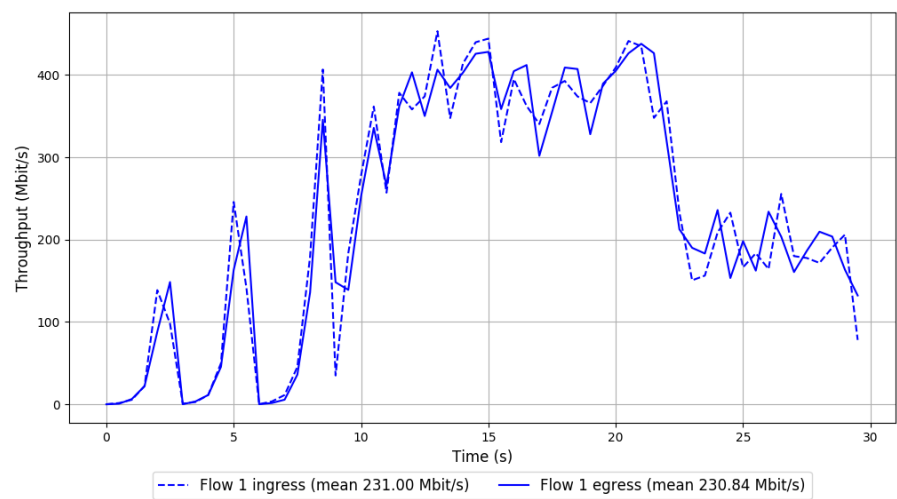
-- Flow 1:

Average throughput: 230.84 Mbit/s

95th percentile per-packet one-way delay: 178.310 ms

Loss rate: 0.06%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-24 07:51:35

End at: 2018-04-24 07:52:05

Below is generated by plot.py at 2018-04-24 11:01:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.71 Mbit/s

95th percentile per-packet one-way delay: 321.452 ms

Loss rate: 6.35%

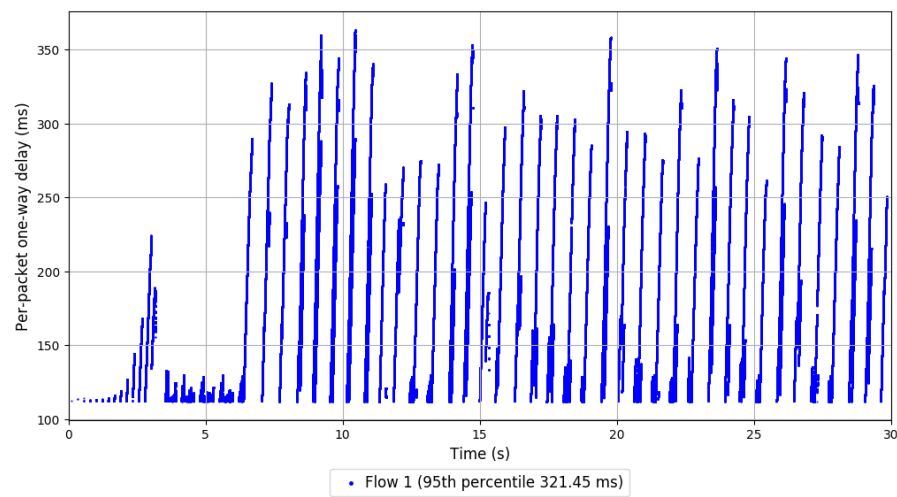
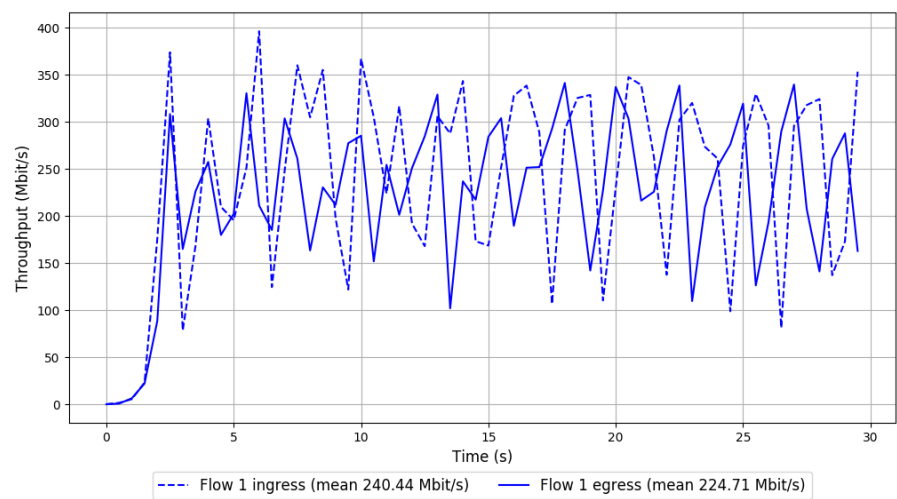
-- Flow 1:

Average throughput: 224.71 Mbit/s

95th percentile per-packet one-way delay: 321.452 ms

Loss rate: 6.35%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-24 08:05:19

End at: 2018-04-24 08:05:49

Below is generated by plot.py at 2018-04-24 11:01:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.73 Mbit/s

95th percentile per-packet one-way delay: 214.210 ms

Loss rate: 0.97%

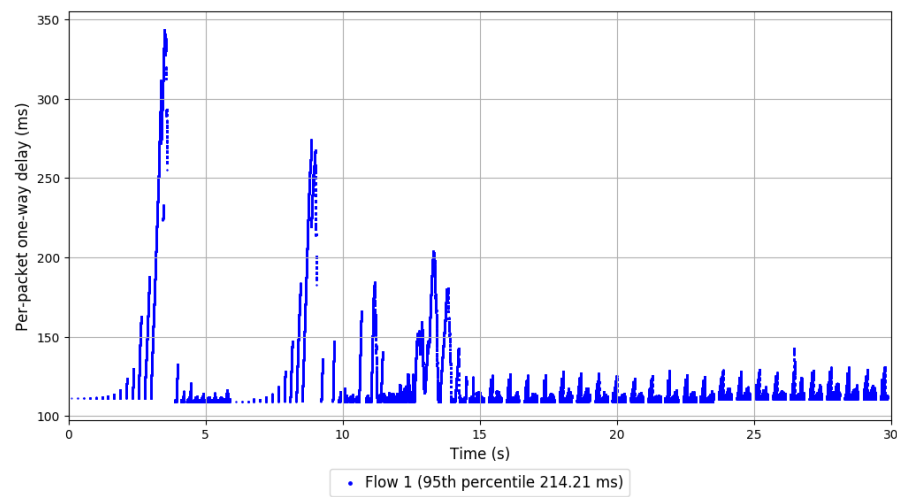
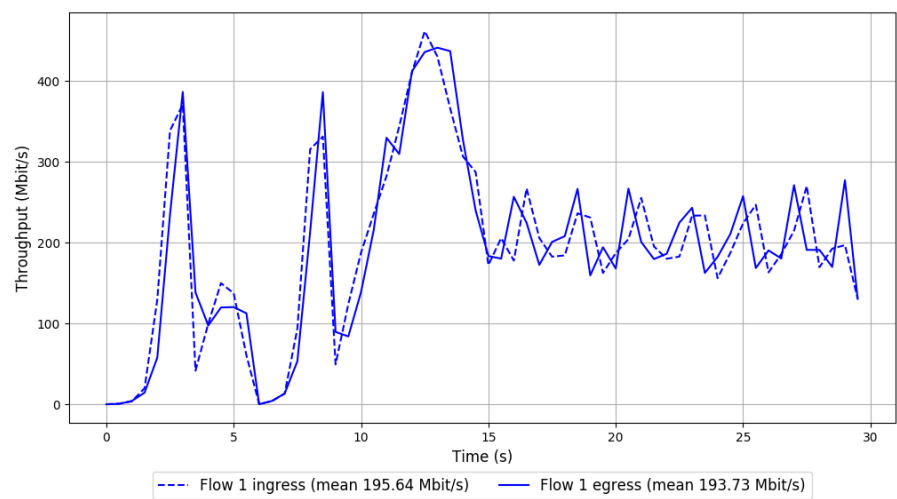
-- Flow 1:

Average throughput: 193.73 Mbit/s

95th percentile per-packet one-way delay: 214.210 ms

Loss rate: 0.97%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-24 08:19:20

End at: 2018-04-24 08:19:50

Below is generated by plot.py at 2018-04-24 11:01:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.20 Mbit/s

95th percentile per-packet one-way delay: 160.016 ms

Loss rate: 0.00%

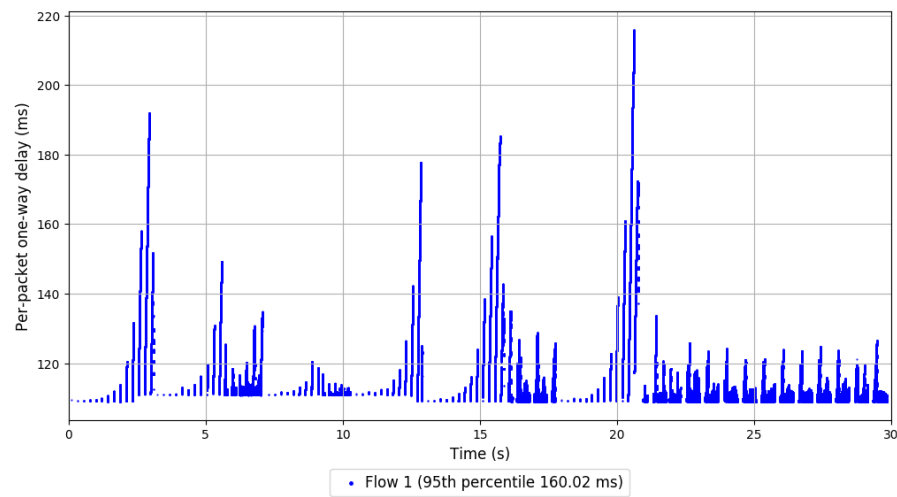
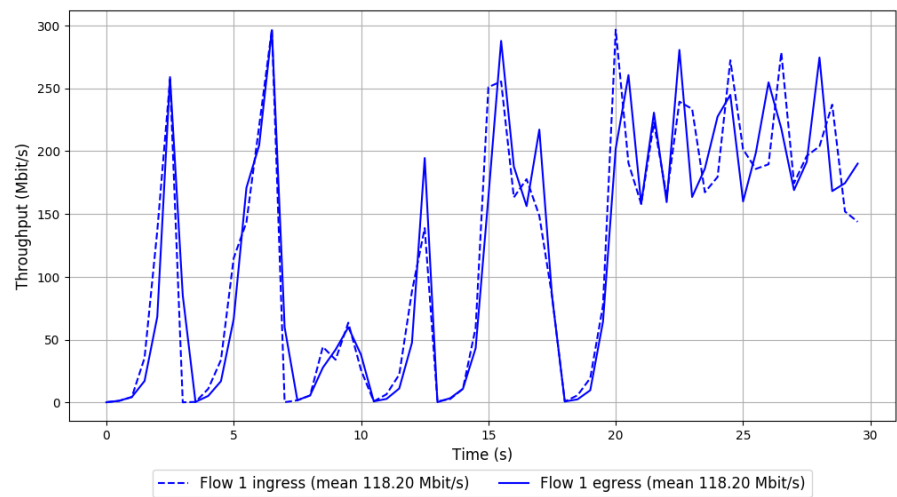
-- Flow 1:

Average throughput: 118.20 Mbit/s

95th percentile per-packet one-way delay: 160.016 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-24 08:32:59

End at: 2018-04-24 08:33:29

Below is generated by plot.py at 2018-04-24 11:01:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.62 Mbit/s

95th percentile per-packet one-way delay: 135.853 ms

Loss rate: 0.00%

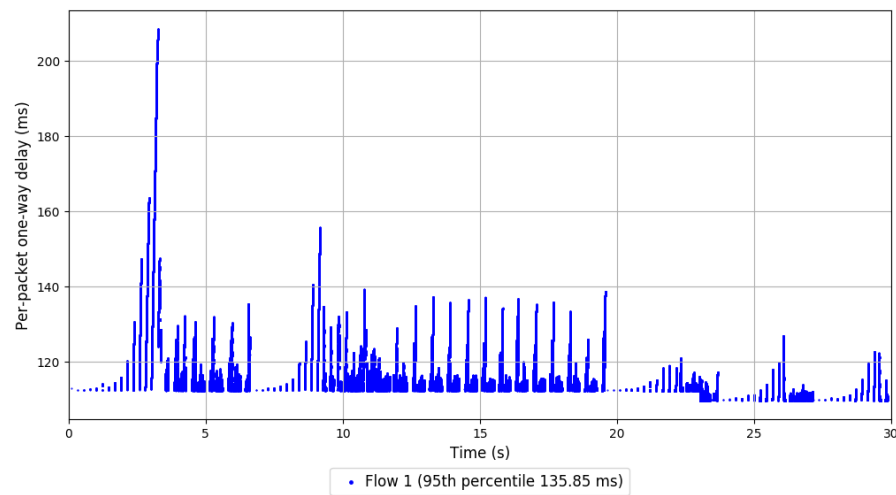
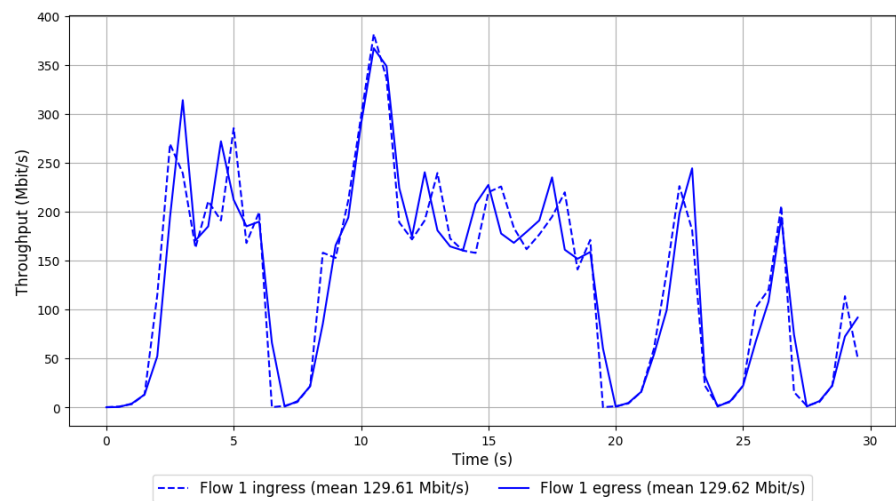
-- Flow 1:

Average throughput: 129.62 Mbit/s

95th percentile per-packet one-way delay: 135.853 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-24 08:46:49

End at: 2018-04-24 08:47:20

Below is generated by plot.py at 2018-04-24 11:01:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.64 Mbit/s

95th percentile per-packet one-way delay: 218.016 ms

Loss rate: 0.53%

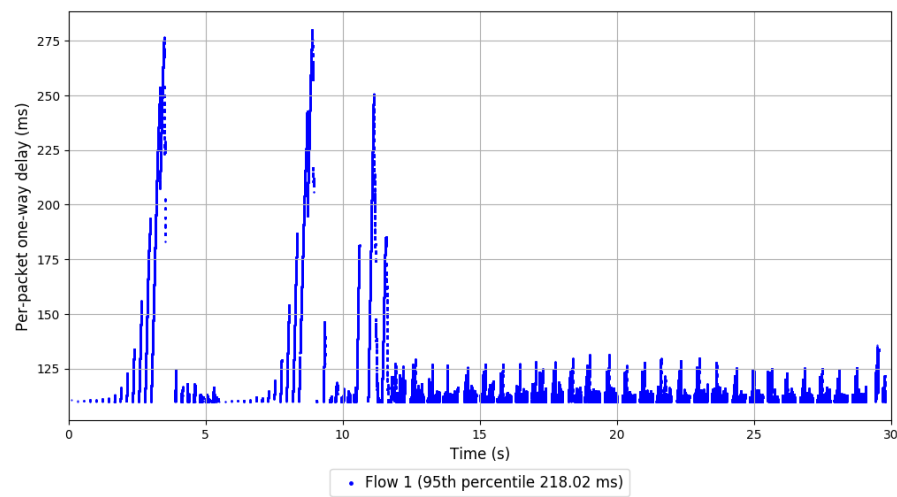
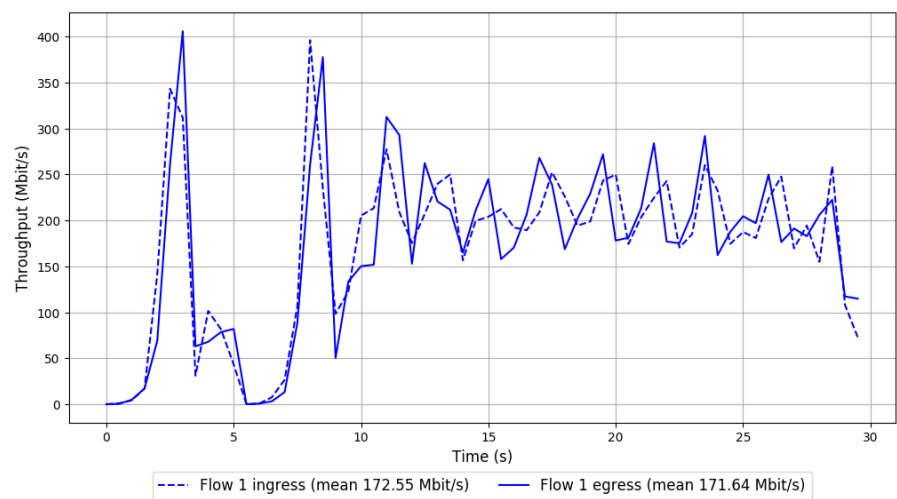
-- Flow 1:

Average throughput: 171.64 Mbit/s

95th percentile per-packet one-way delay: 218.016 ms

Loss rate: 0.53%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 09:00:33

End at: 2018-04-24 09:01:03

Below is generated by plot.py at 2018-04-24 11:01:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.75 Mbit/s

95th percentile per-packet one-way delay: 328.061 ms

Loss rate: 11.16%

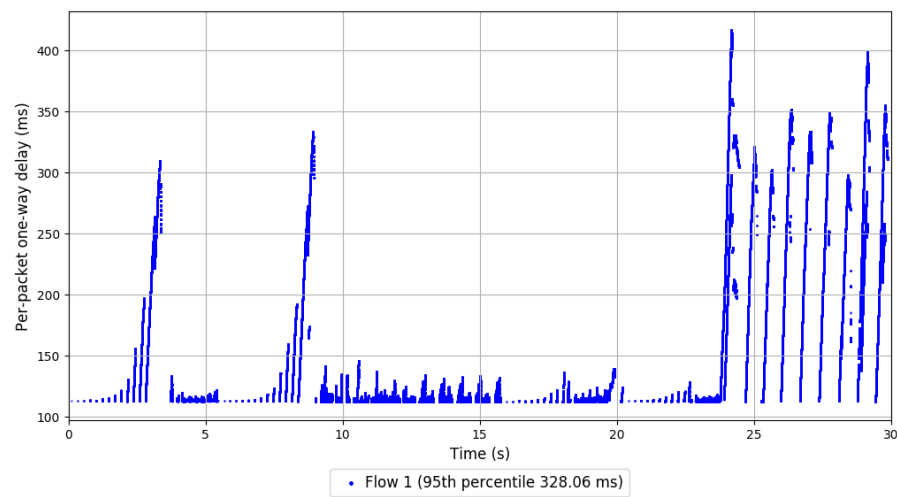
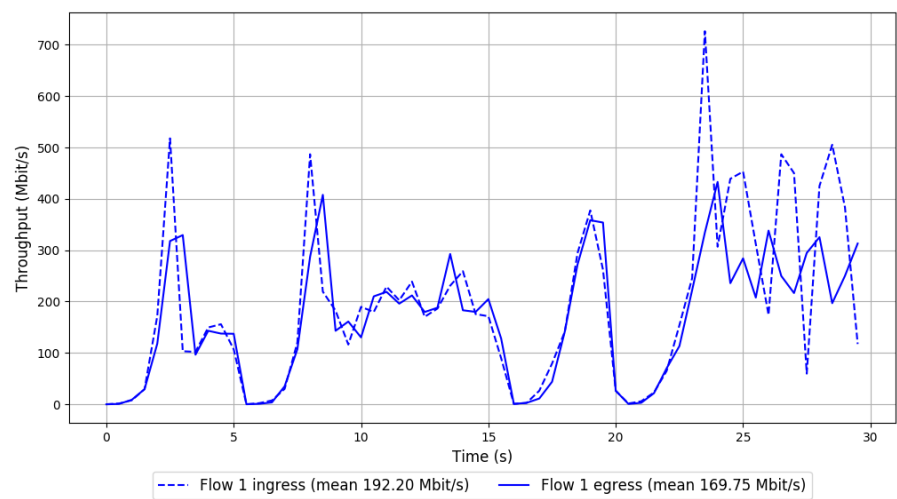
-- Flow 1:

Average throughput: 169.75 Mbit/s

95th percentile per-packet one-way delay: 328.061 ms

Loss rate: 11.16%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-24 09:14:36

End at: 2018-04-24 09:15:06

Below is generated by plot.py at 2018-04-24 11:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.59 Mbit/s

95th percentile per-packet one-way delay: 173.073 ms

Loss rate: 0.05%

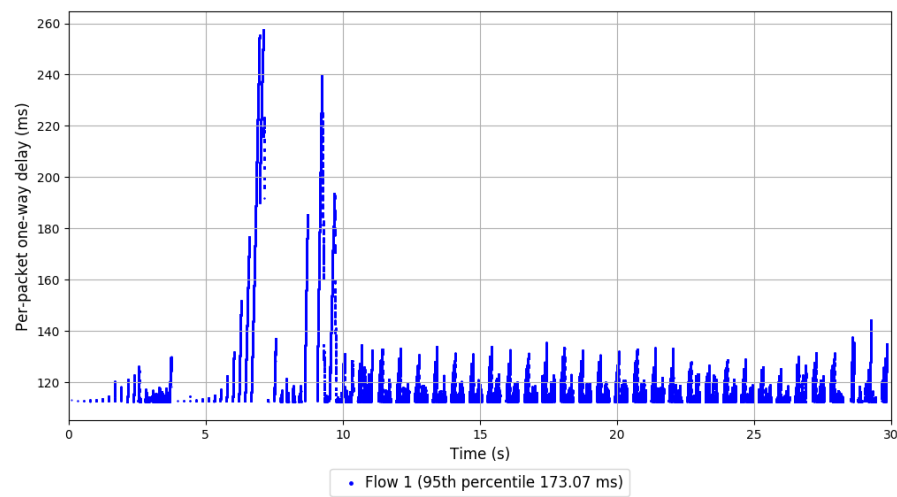
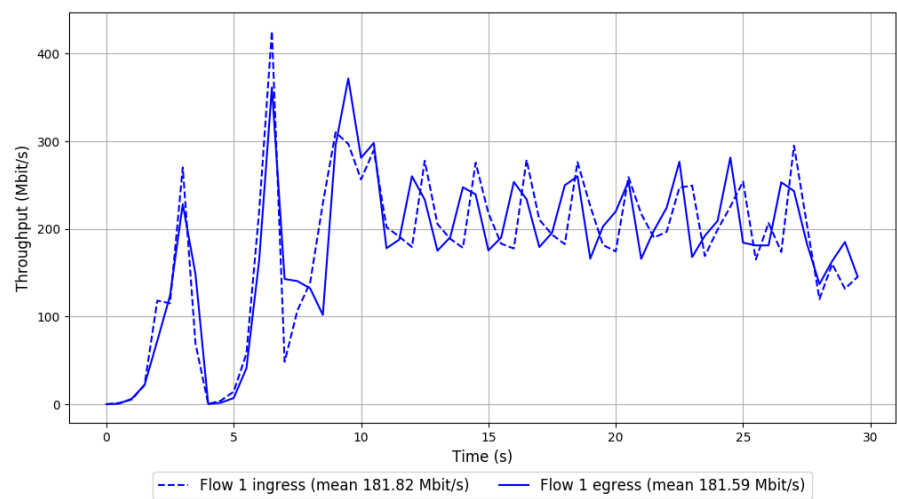
-- Flow 1:

Average throughput: 181.59 Mbit/s

95th percentile per-packet one-way delay: 173.073 ms

Loss rate: 0.05%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-24 09:28:43

End at: 2018-04-24 09:29:13

Below is generated by plot.py at 2018-04-24 11:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.44 Mbit/s

95th percentile per-packet one-way delay: 169.095 ms

Loss rate: 0.00%

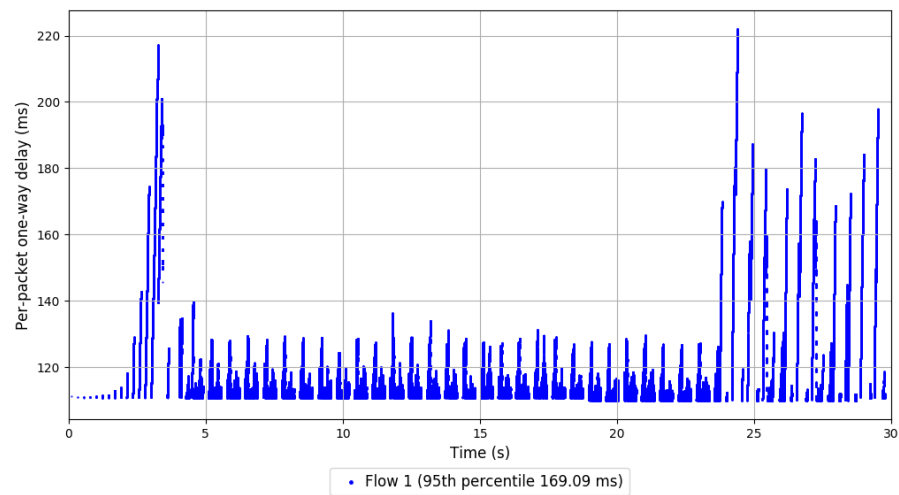
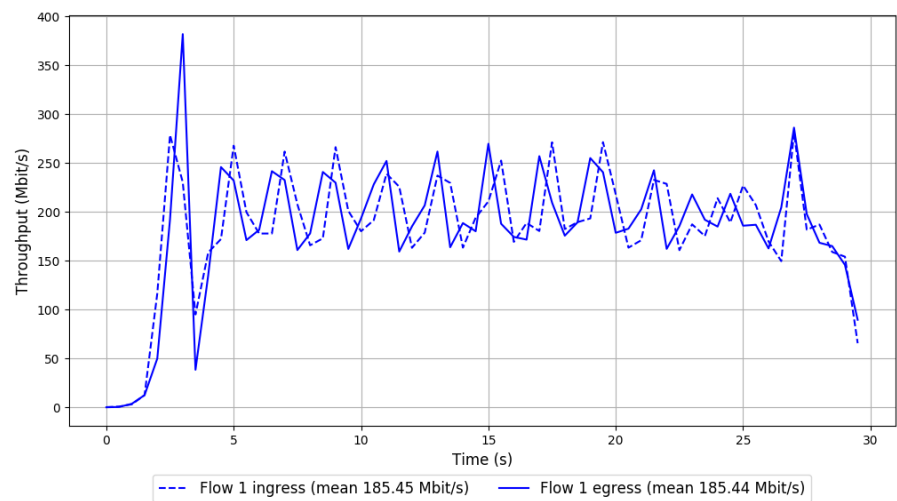
-- Flow 1:

Average throughput: 185.44 Mbit/s

95th percentile per-packet one-way delay: 169.095 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-24 07:33:06

End at: 2018-04-24 07:33:36

Below is generated by plot.py at 2018-04-24 11:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.93 Mbit/s

95th percentile per-packet one-way delay: 114.771 ms

Loss rate: 0.00%

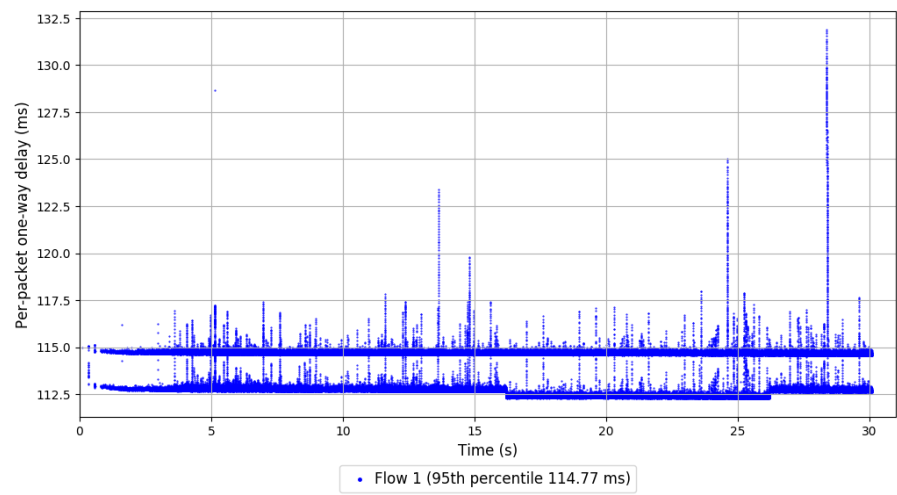
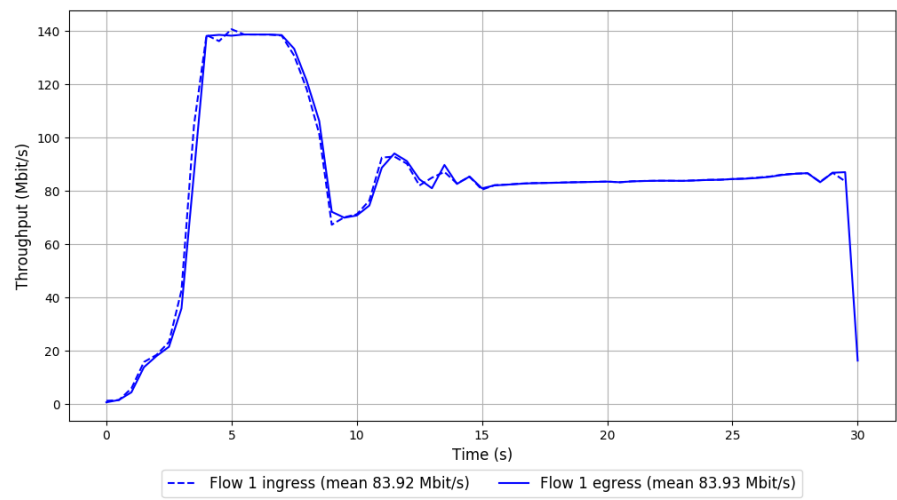
-- Flow 1:

Average throughput: 83.93 Mbit/s

95th percentile per-packet one-way delay: 114.771 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-24 07:46:50

End at: 2018-04-24 07:47:20

Below is generated by plot.py at 2018-04-24 11:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.14 Mbit/s

95th percentile per-packet one-way delay: 112.125 ms

Loss rate: 0.00%

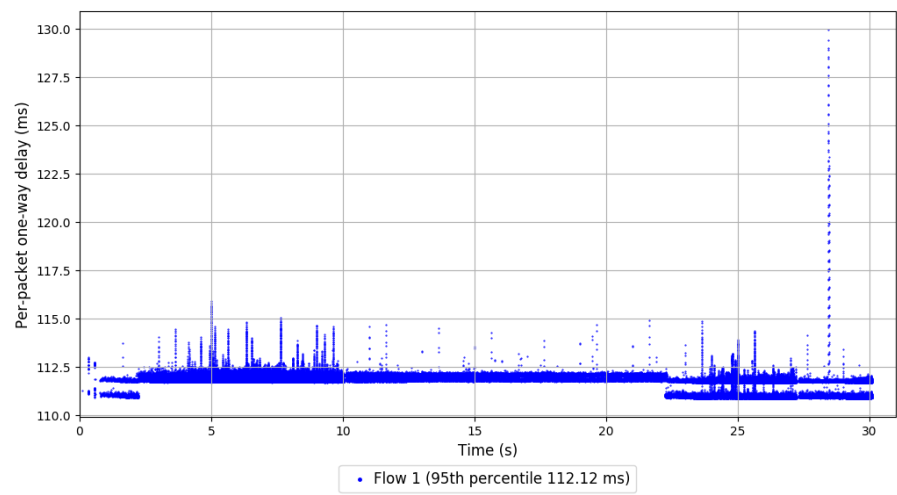
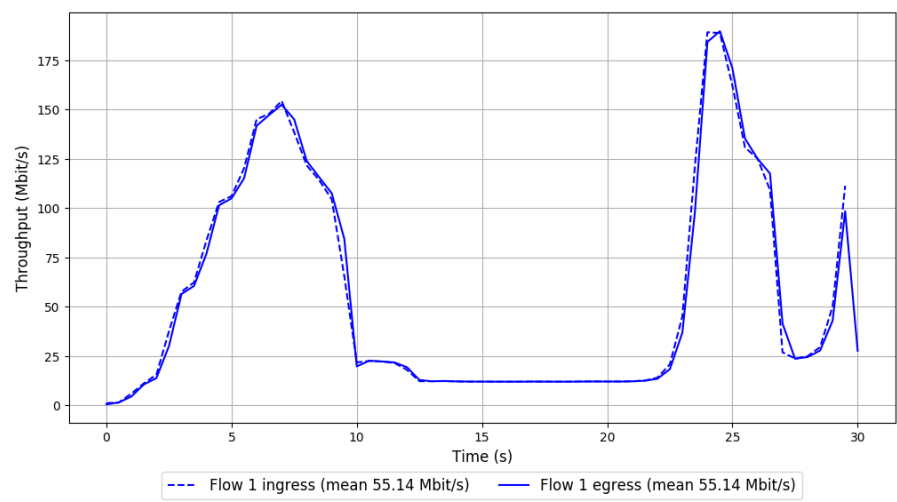
-- Flow 1:

Average throughput: 55.14 Mbit/s

95th percentile per-packet one-way delay: 112.125 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-24 08:00:46

End at: 2018-04-24 08:01:16

Below is generated by plot.py at 2018-04-24 11:03:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 111.086 ms

Loss rate: 0.00%

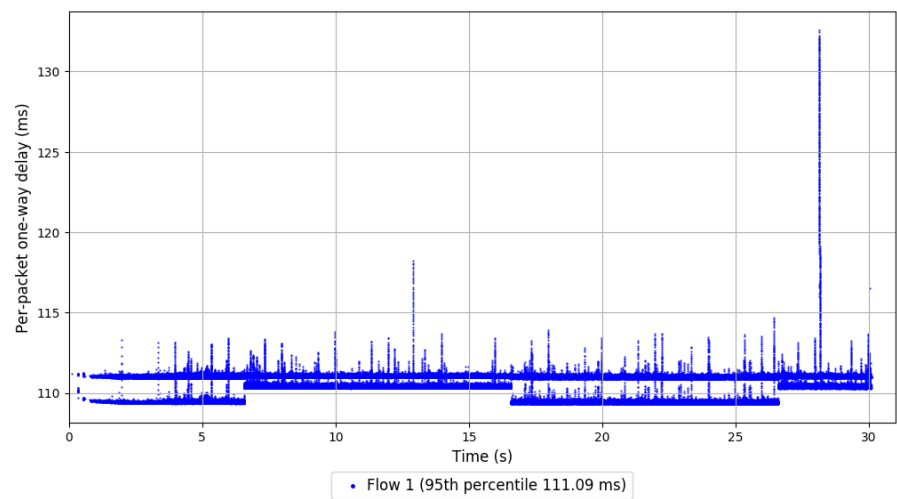
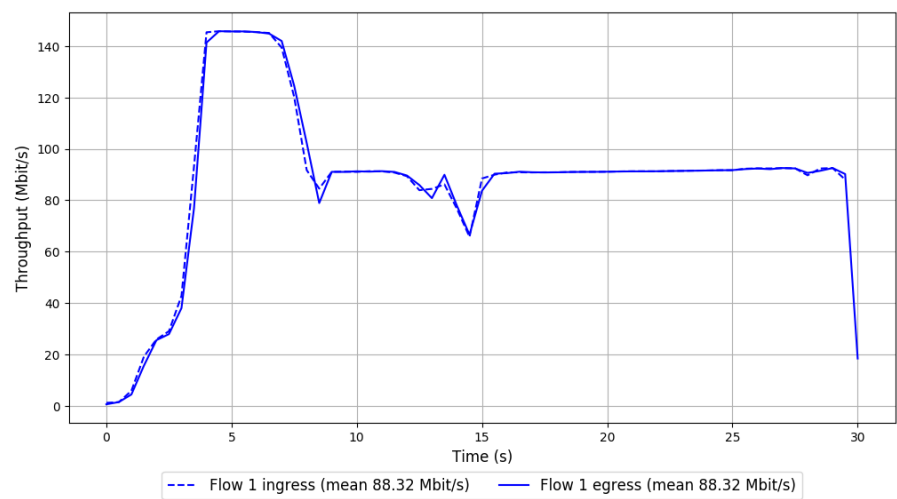
-- Flow 1:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 111.086 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-24 08:14:27

End at: 2018-04-24 08:14:57

Below is generated by plot.py at 2018-04-24 11:03:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.37 Mbit/s

95th percentile per-packet one-way delay: 112.426 ms

Loss rate: 0.00%

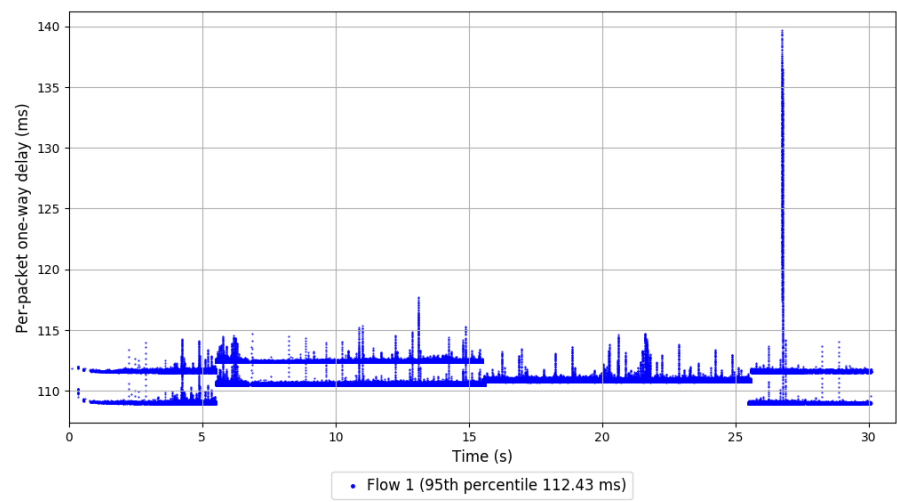
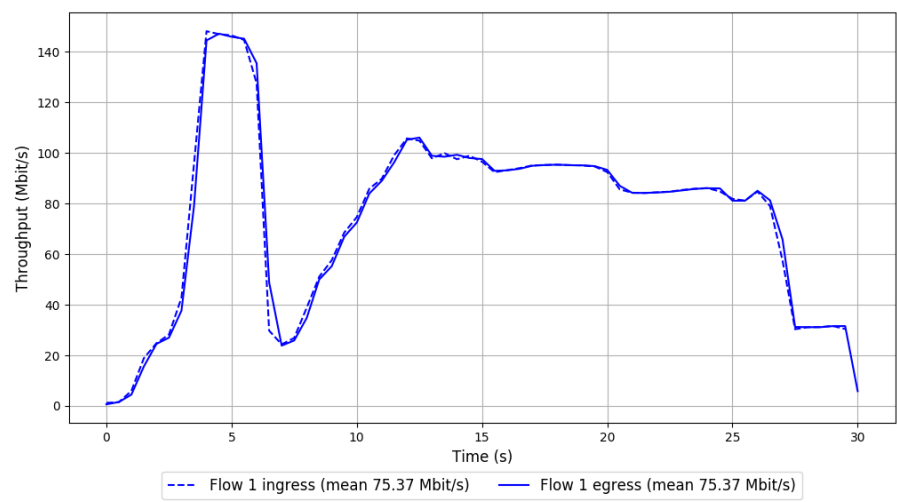
-- Flow 1:

Average throughput: 75.37 Mbit/s

95th percentile per-packet one-way delay: 112.426 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-24 08:28:19

End at: 2018-04-24 08:28:49

Below is generated by plot.py at 2018-04-24 11:03:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 112.492 ms

Loss rate: 0.00%

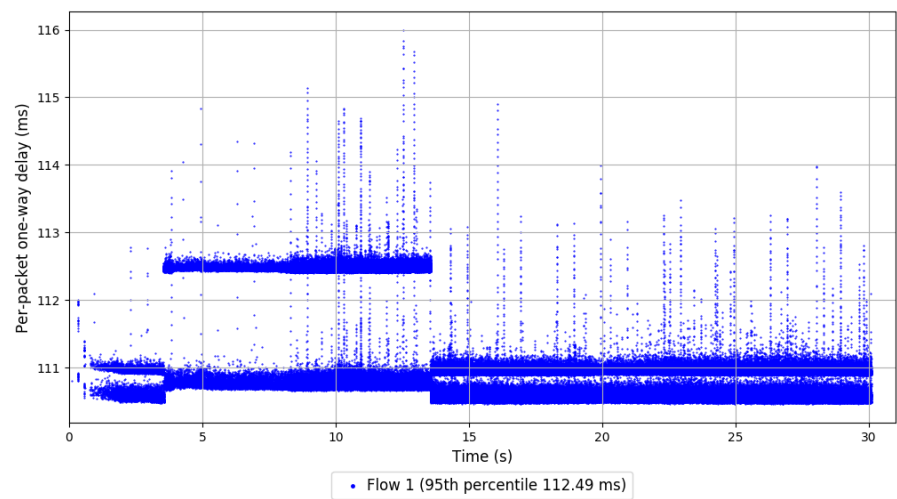
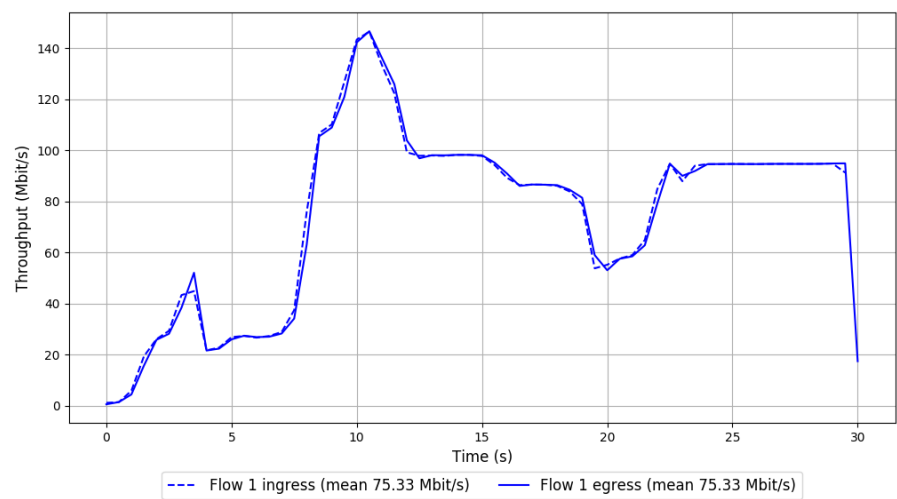
-- Flow 1:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 112.492 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-24 08:42:02

End at: 2018-04-24 08:42:32

Below is generated by plot.py at 2018-04-24 11:03:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.33 Mbit/s

95th percentile per-packet one-way delay: 111.075 ms

Loss rate: 0.00%

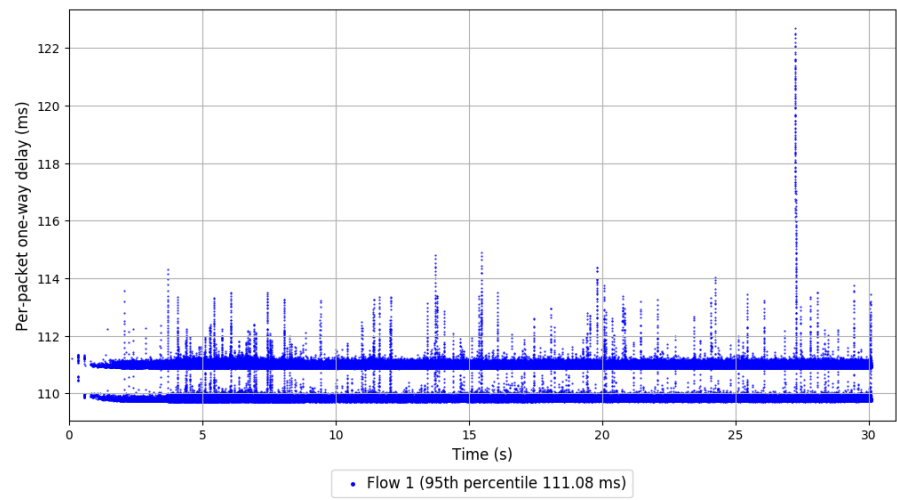
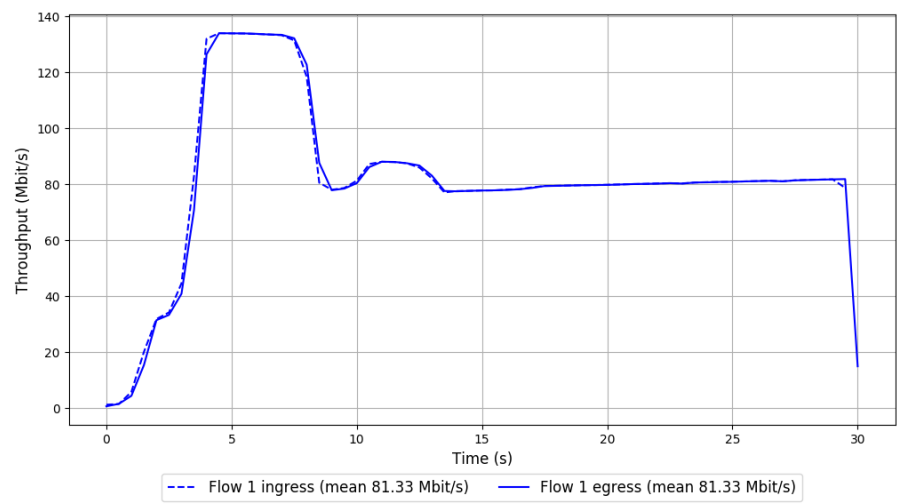
-- Flow 1:

Average throughput: 81.33 Mbit/s

95th percentile per-packet one-way delay: 111.075 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-24 08:55:51

End at: 2018-04-24 08:56:21

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.04 Mbit/s

95th percentile per-packet one-way delay: 112.862 ms

Loss rate: 0.00%

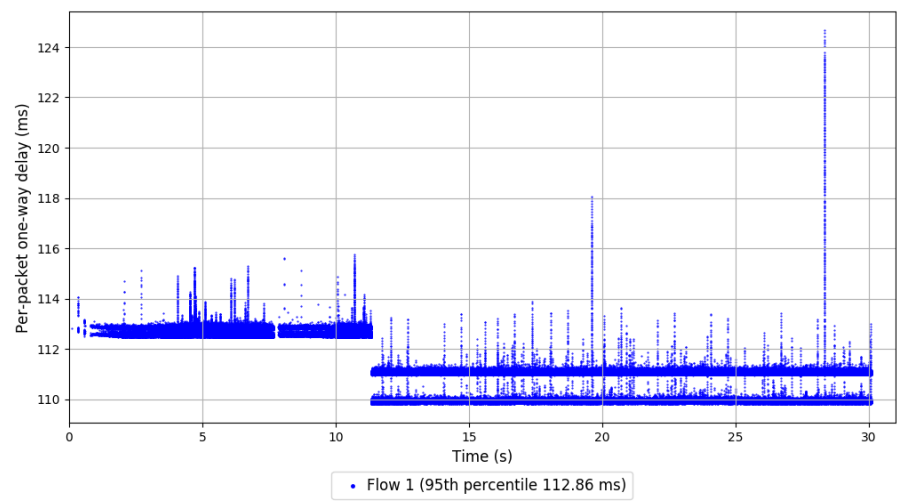
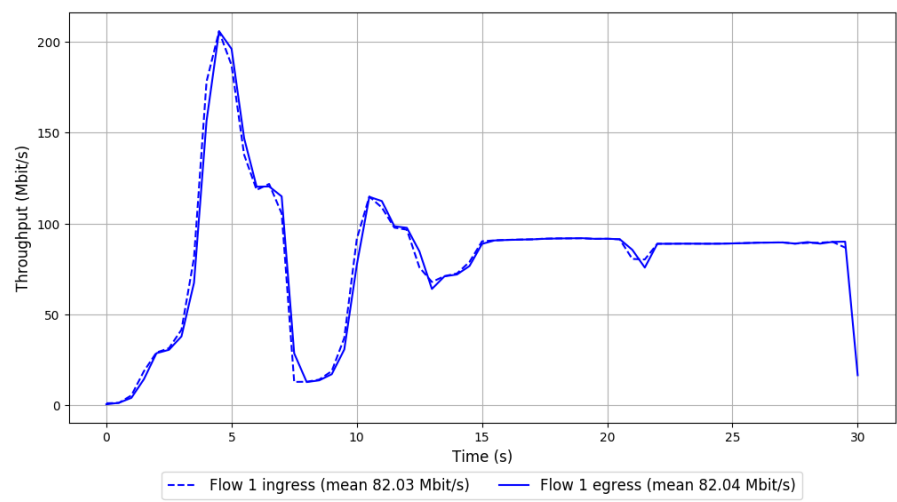
-- Flow 1:

Average throughput: 82.04 Mbit/s

95th percentile per-packet one-way delay: 112.862 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-24 09:09:39

End at: 2018-04-24 09:10:09

Below is generated by plot.py at 2018-04-24 11:04:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.68 Mbit/s

95th percentile per-packet one-way delay: 112.991 ms

Loss rate: 0.01%

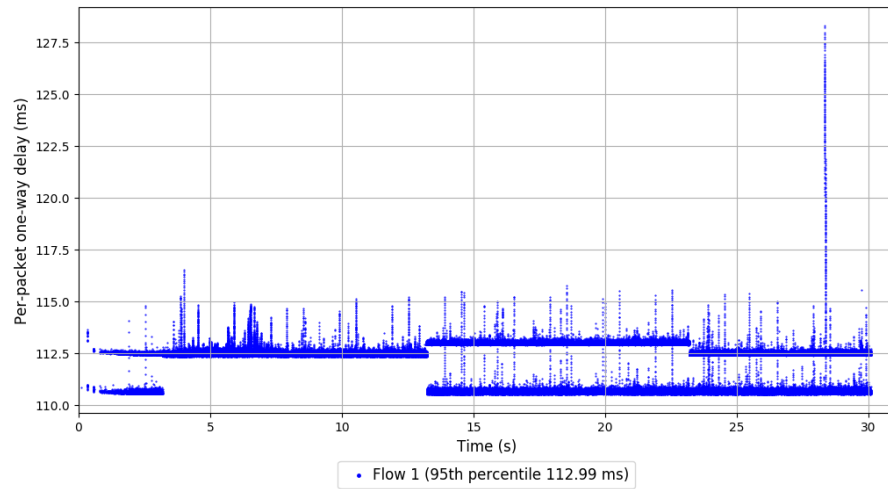
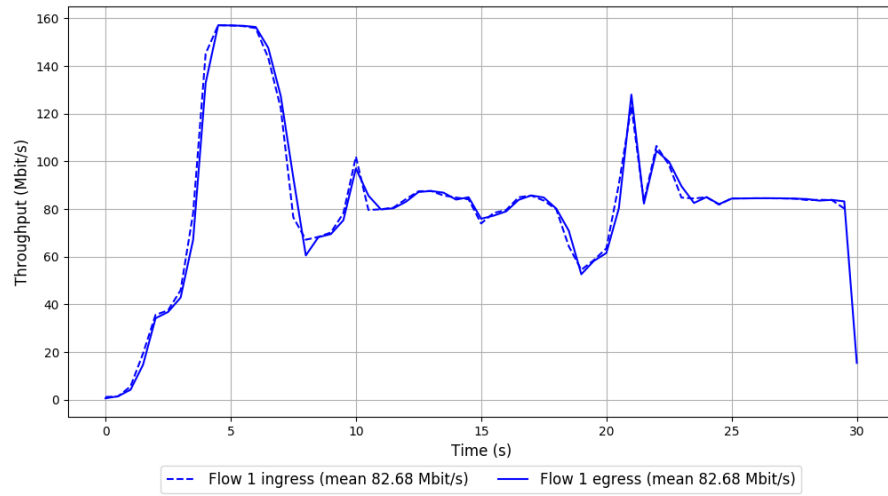
-- Flow 1:

Average throughput: 82.68 Mbit/s

95th percentile per-packet one-way delay: 112.991 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-24 09:23:39

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

Below is generated by plot.py at 2018-04-24 11:05:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.16 Mbit/s

95th percentile per-packet one-way delay: 112.560 ms

Loss rate: 0.00%

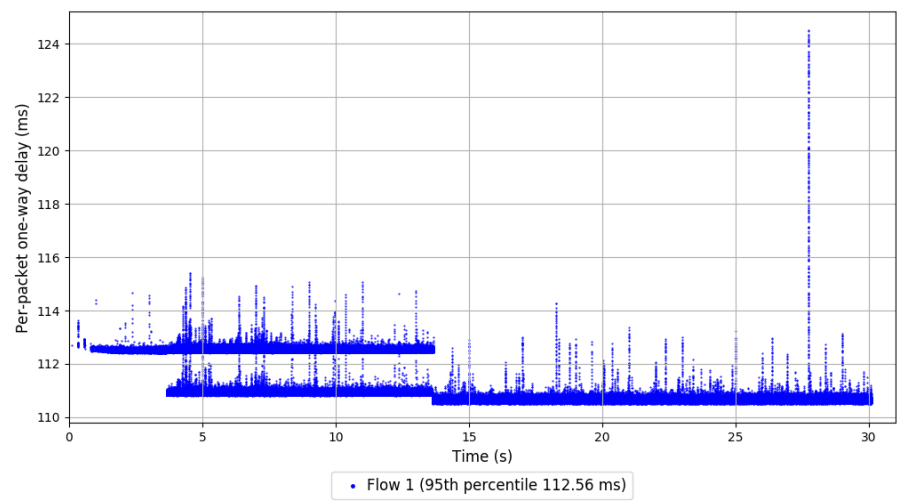
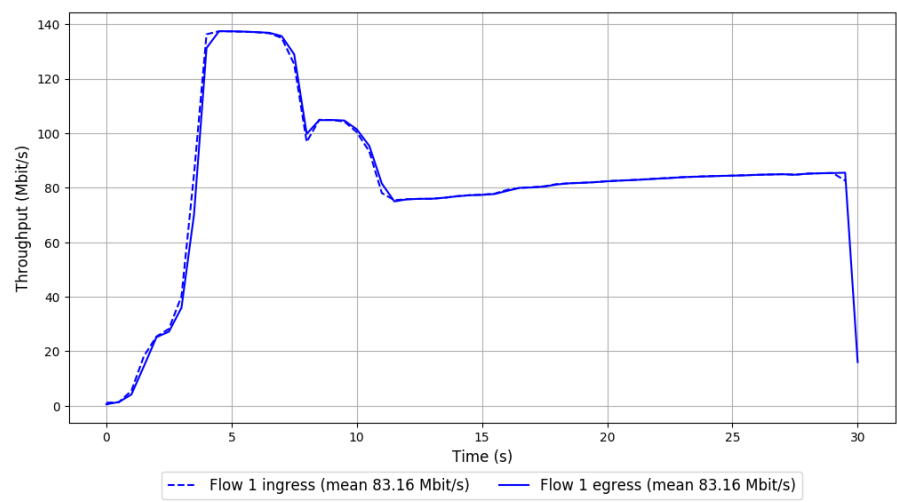
-- Flow 1:

Average throughput: 83.16 Mbit/s

95th percentile per-packet one-way delay: 112.560 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-24 09:37:48

End at: 2018-04-24 09:38:18

Below is generated by plot.py at 2018-04-24 11:05:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 112.839 ms

Loss rate: 0.00%

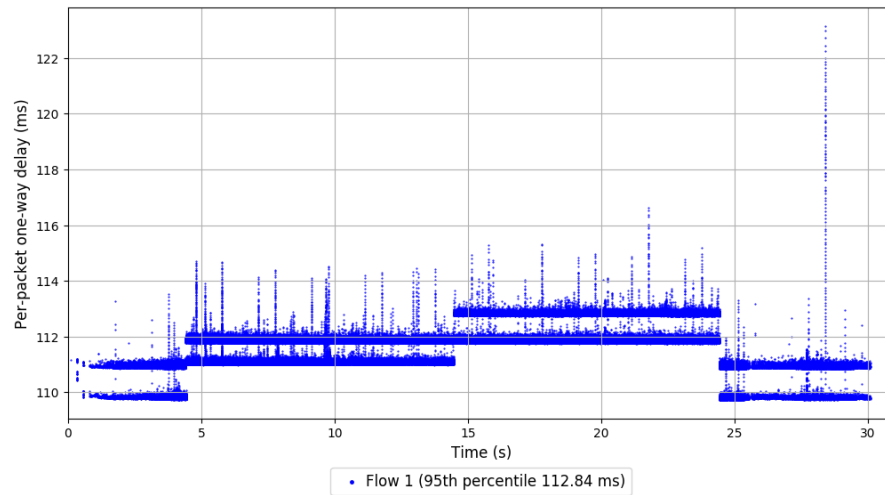
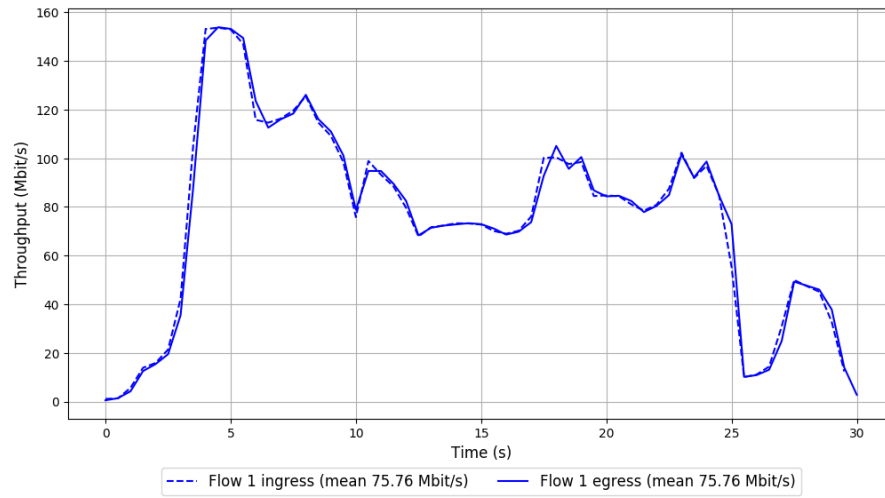
-- Flow 1:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 112.839 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-04-24 07:31:58

End at: 2018-04-24 07:32:28

Below is generated by plot.py at 2018-04-24 11:15:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 710.26 Mbit/s

95th percentile per-packet one-way delay: 206.992 ms

Loss rate: 6.90%

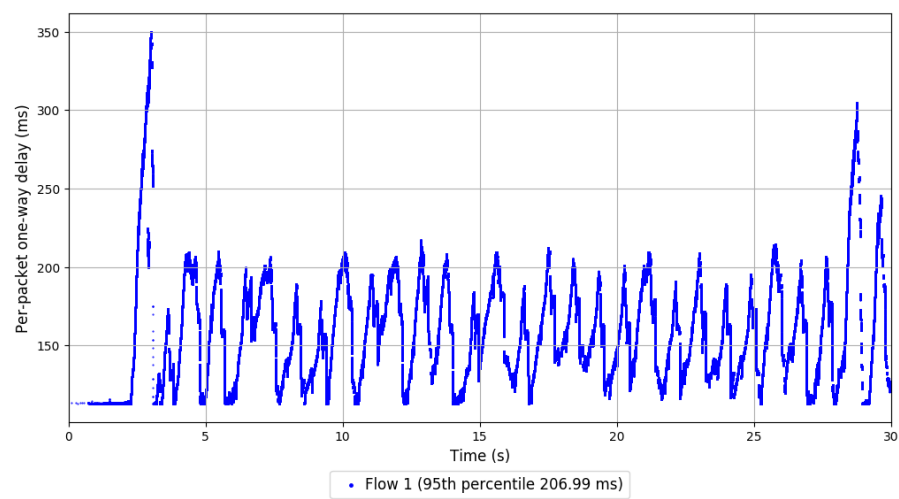
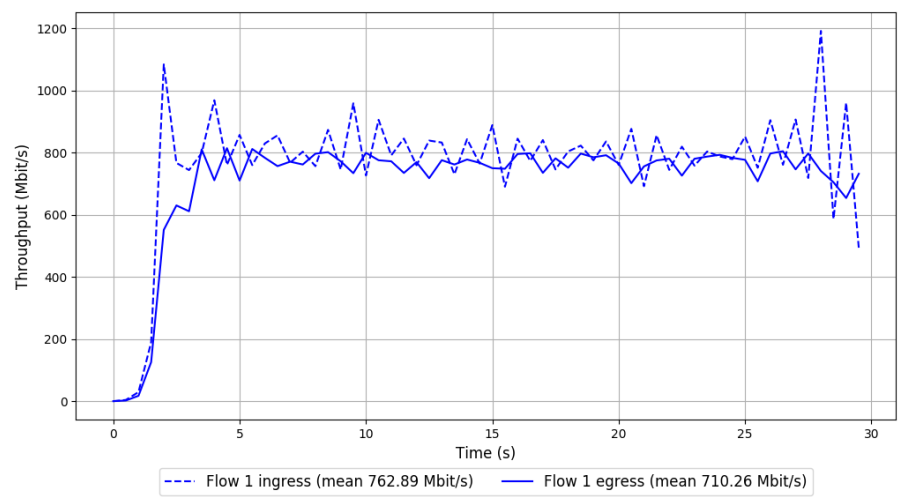
-- Flow 1:

Average throughput: 710.26 Mbit/s

95th percentile per-packet one-way delay: 206.992 ms

Loss rate: 6.90%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-24 07:45:41

End at: 2018-04-24 07:46:11

Below is generated by plot.py at 2018-04-24 11:16:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 757.43 Mbit/s

95th percentile per-packet one-way delay: 203.489 ms

Loss rate: 7.84%

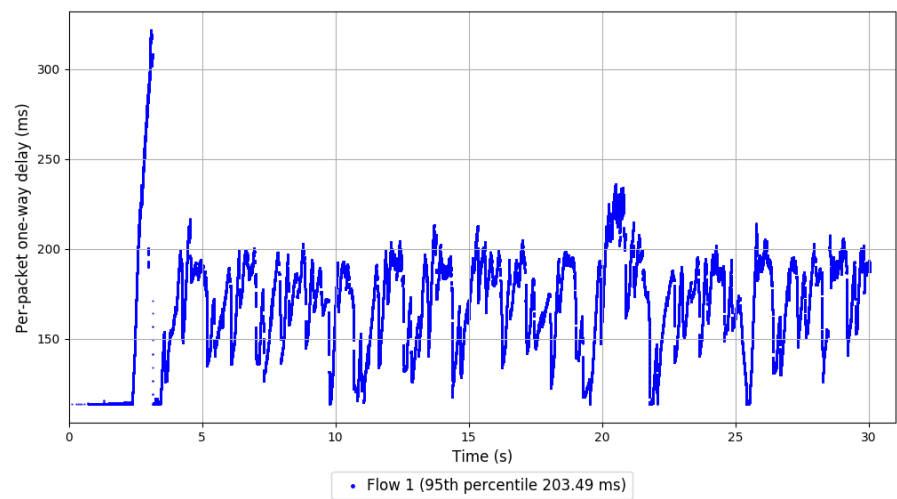
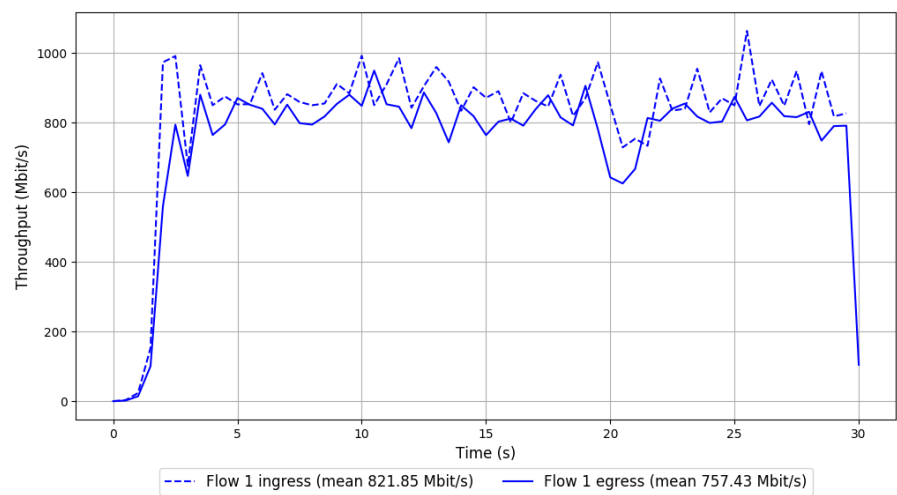
-- Flow 1:

Average throughput: 757.43 Mbit/s

95th percentile per-packet one-way delay: 203.489 ms

Loss rate: 7.84%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-24 07:59:36

End at: 2018-04-24 08:00:06

Below is generated by plot.py at 2018-04-24 11:16:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.37 Mbit/s

95th percentile per-packet one-way delay: 196.492 ms

Loss rate: 6.31%

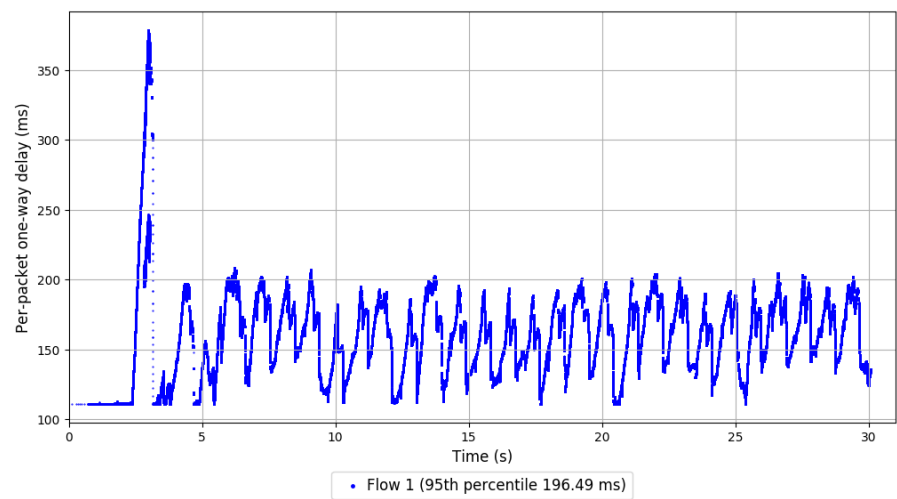
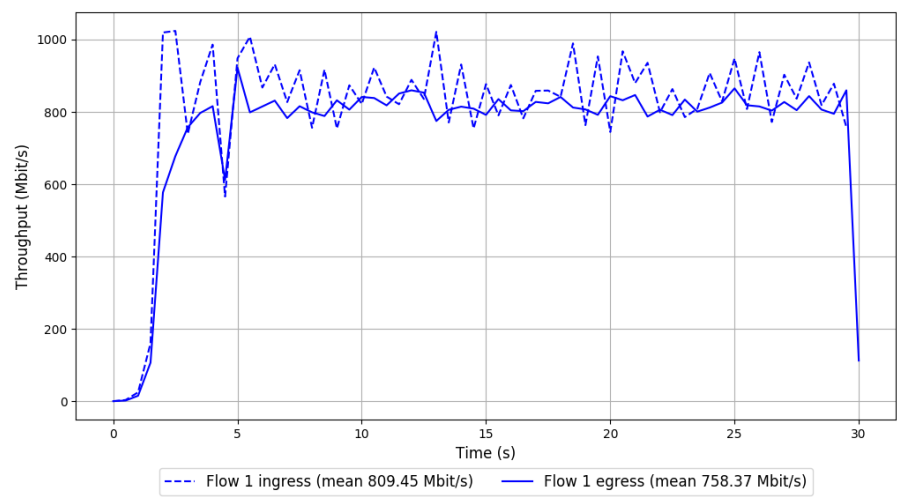
-- Flow 1:

Average throughput: 758.37 Mbit/s

95th percentile per-packet one-way delay: 196.492 ms

Loss rate: 6.31%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-24 08:13:17

End at: 2018-04-24 08:13:47

Below is generated by plot.py at 2018-04-24 11:16:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 762.90 Mbit/s

95th percentile per-packet one-way delay: 197.986 ms

Loss rate: 6.96%

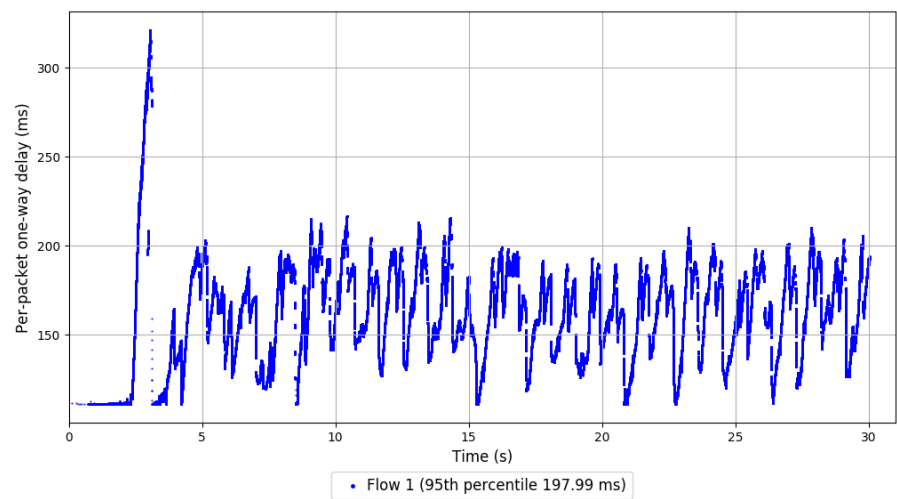
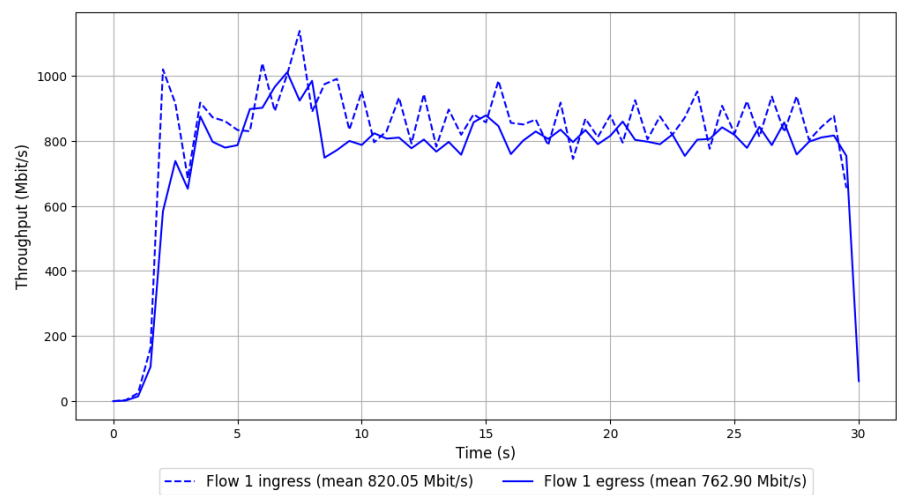
-- Flow 1:

Average throughput: 762.90 Mbit/s

95th percentile per-packet one-way delay: 197.986 ms

Loss rate: 6.96%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-24 08:27:10

End at: 2018-04-24 08:27:40

Below is generated by plot.py at 2018-04-24 11:17:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 750.08 Mbit/s

95th percentile per-packet one-way delay: 200.145 ms

Loss rate: 7.01%

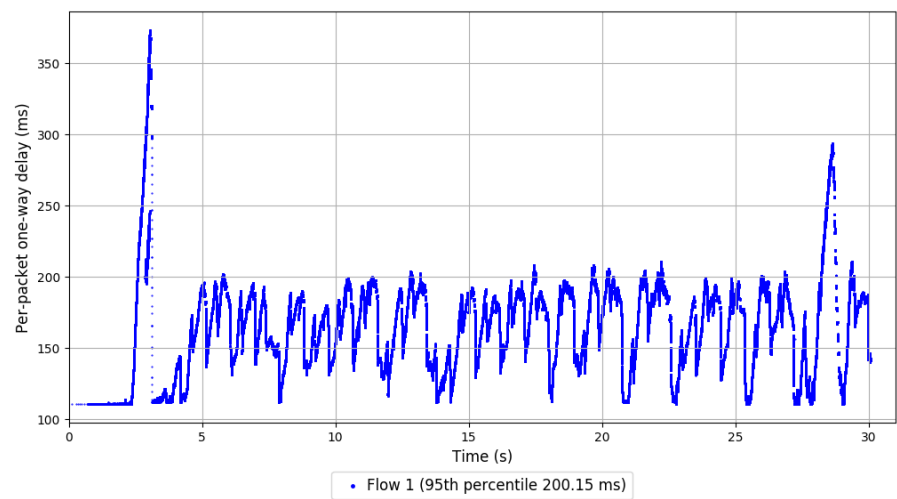
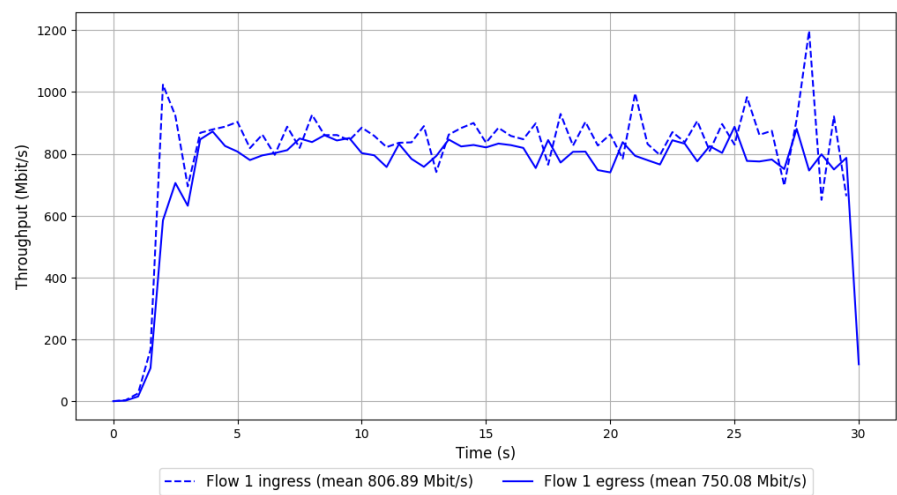
-- Flow 1:

Average throughput: 750.08 Mbit/s

95th percentile per-packet one-way delay: 200.145 ms

Loss rate: 7.01%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-24 08:40:52

End at: 2018-04-24 08:41:22

Below is generated by plot.py at 2018-04-24 11:17:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.87 Mbit/s

95th percentile per-packet one-way delay: 196.301 ms

Loss rate: 6.87%

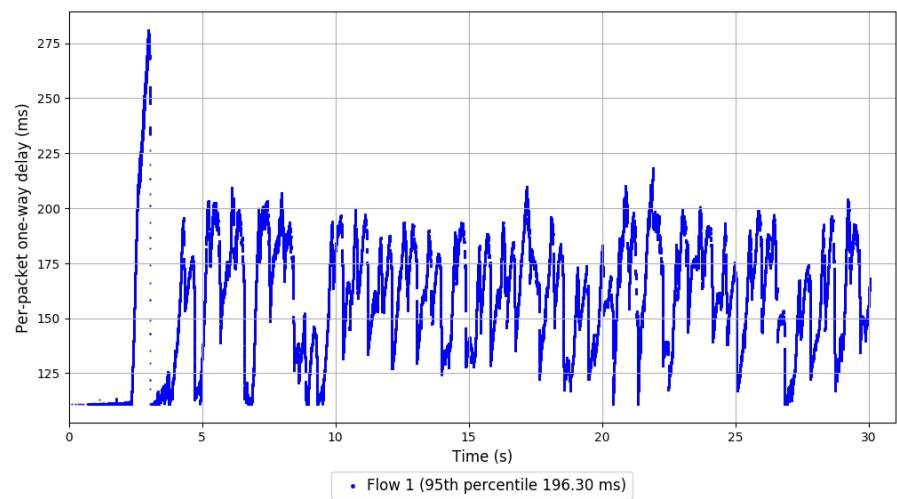
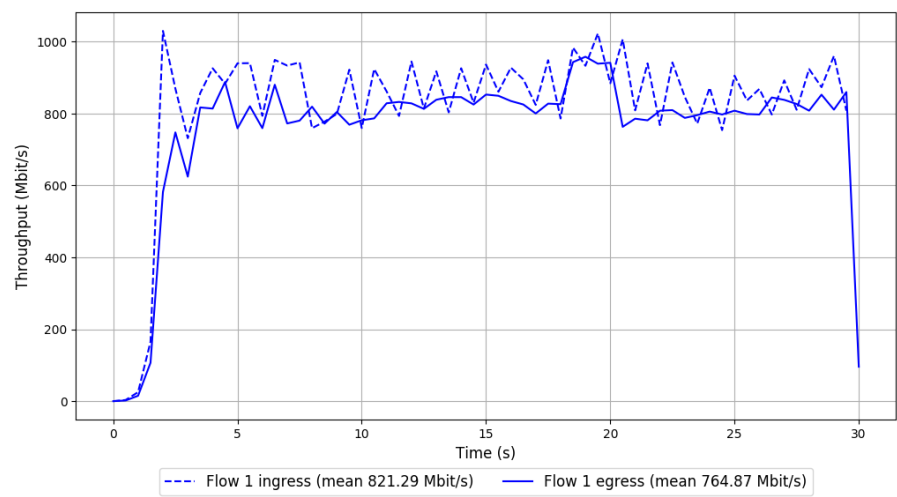
-- Flow 1:

Average throughput: 764.87 Mbit/s

95th percentile per-packet one-way delay: 196.301 ms

Loss rate: 6.87%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-24 08:54:44

End at: 2018-04-24 08:55:14

Below is generated by plot.py at 2018-04-24 11:17:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 694.87 Mbit/s

95th percentile per-packet one-way delay: 204.336 ms

Loss rate: 7.17%

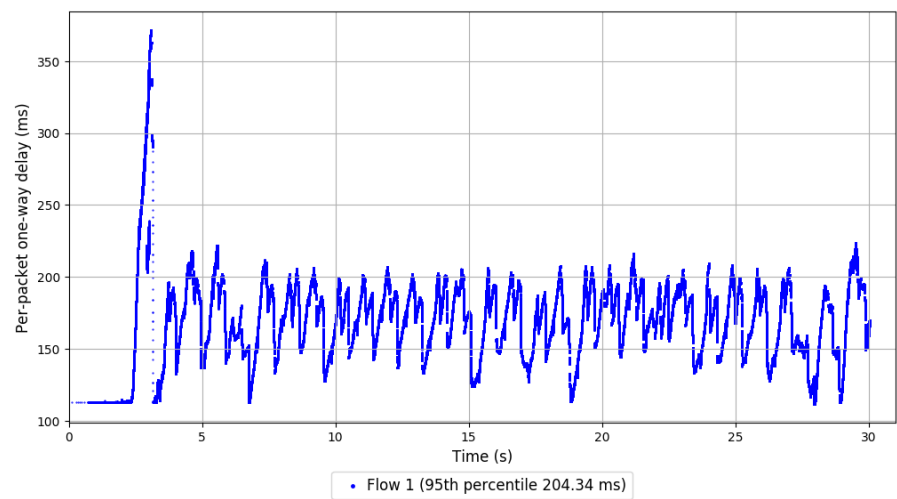
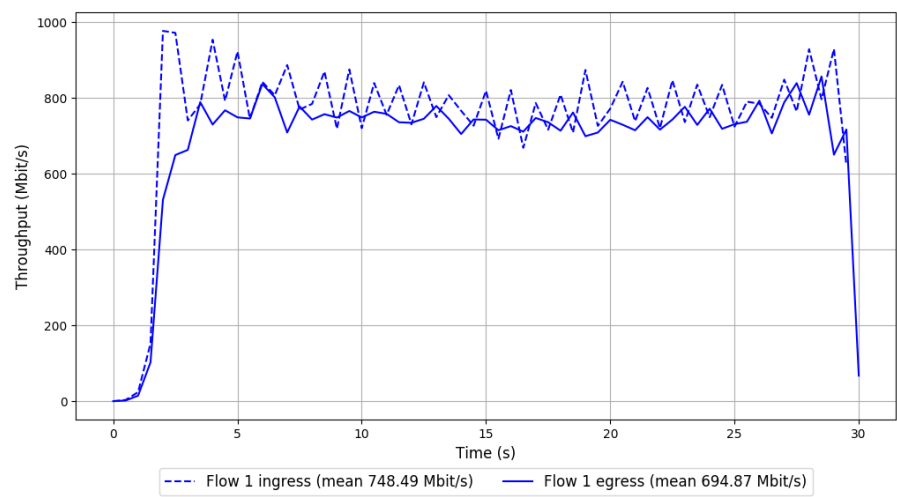
-- Flow 1:

Average throughput: 694.87 Mbit/s

95th percentile per-packet one-way delay: 204.336 ms

Loss rate: 7.17%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-24 09:08:29

End at: 2018-04-24 09:08:59

Below is generated by plot.py at 2018-04-24 11:17:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.00 Mbit/s

95th percentile per-packet one-way delay: 198.143 ms

Loss rate: 6.50%

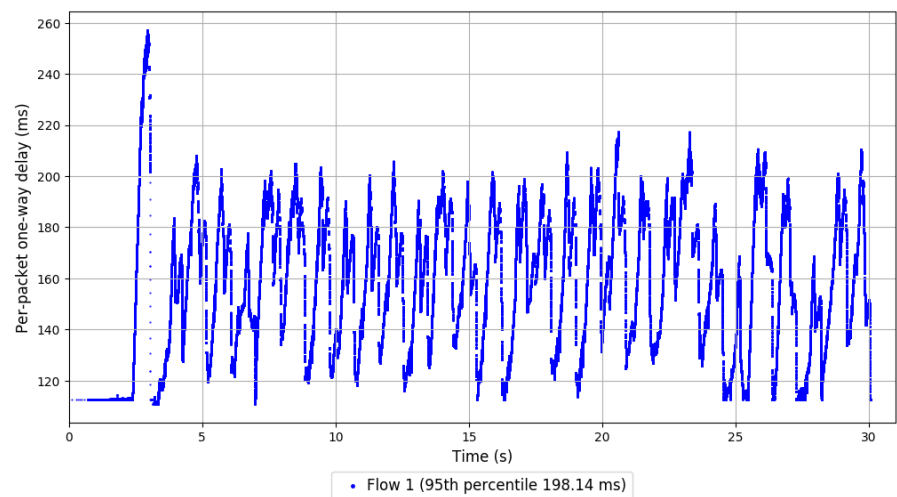
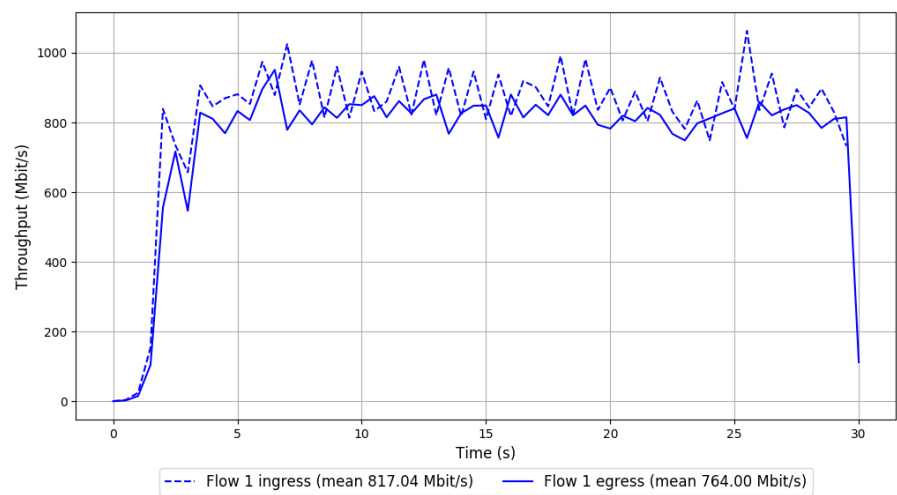
-- Flow 1:

Average throughput: 764.00 Mbit/s

95th percentile per-packet one-way delay: 198.143 ms

Loss rate: 6.50%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-24 09:22:30

End at: 2018-04-24 09:23:00

Below is generated by plot.py at 2018-04-24 11:27:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 744.06 Mbit/s

95th percentile per-packet one-way delay: 198.435 ms

Loss rate: 7.50%

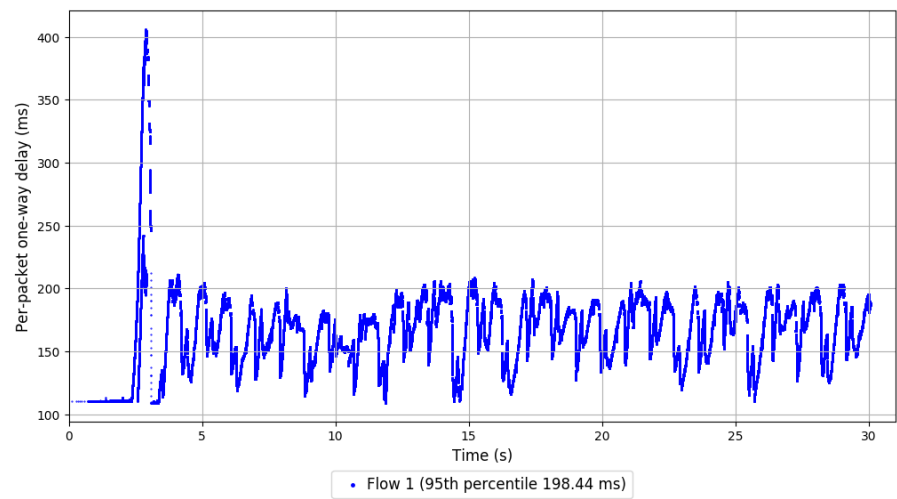
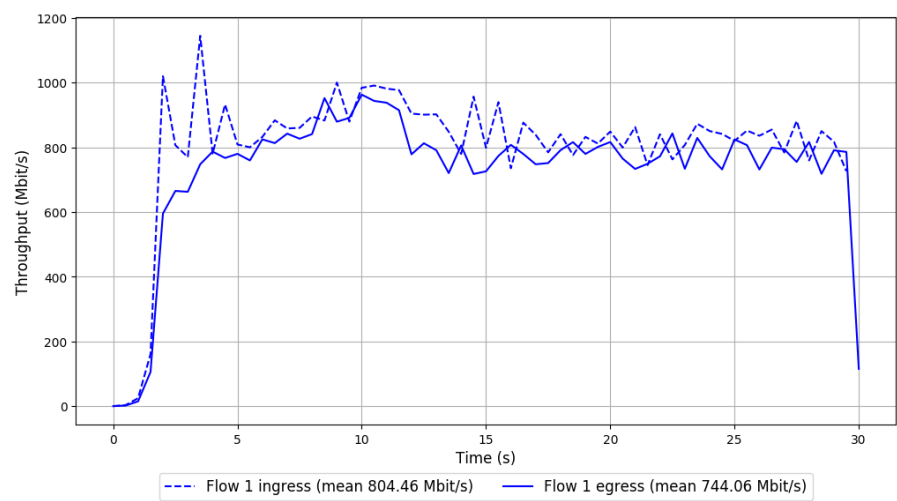
-- Flow 1:

Average throughput: 744.06 Mbit/s

95th percentile per-packet one-way delay: 198.435 ms

Loss rate: 7.50%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-24 09:36:39

End at: 2018-04-24 09:37:09

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 753.01 Mbit/s

95th percentile per-packet one-way delay: 199.518 ms

Loss rate: 6.62%

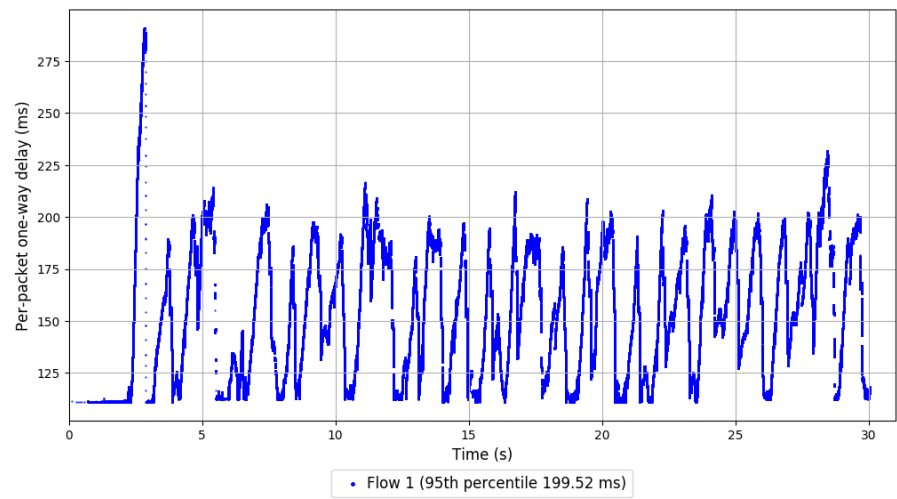
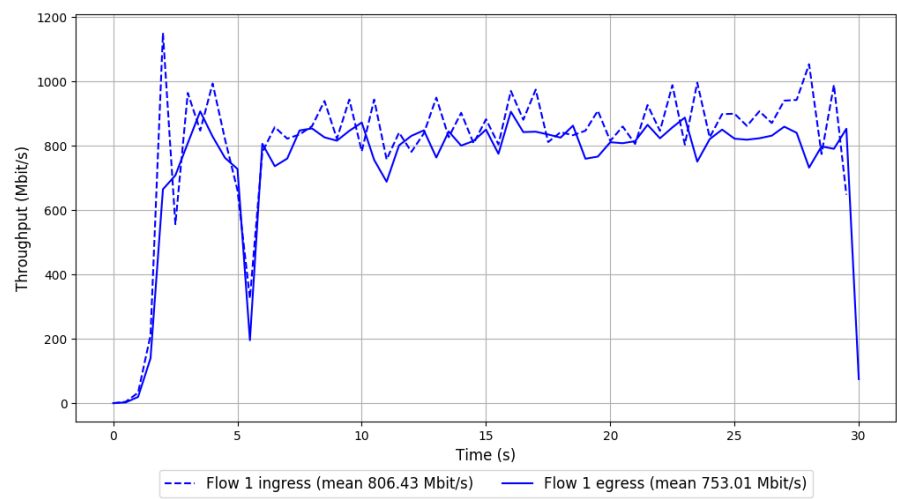
-- Flow 1:

Average throughput: 753.01 Mbit/s

95th percentile per-packet one-way delay: 199.518 ms

Loss rate: 6.62%

Run 10: Report of FillP — Data Link

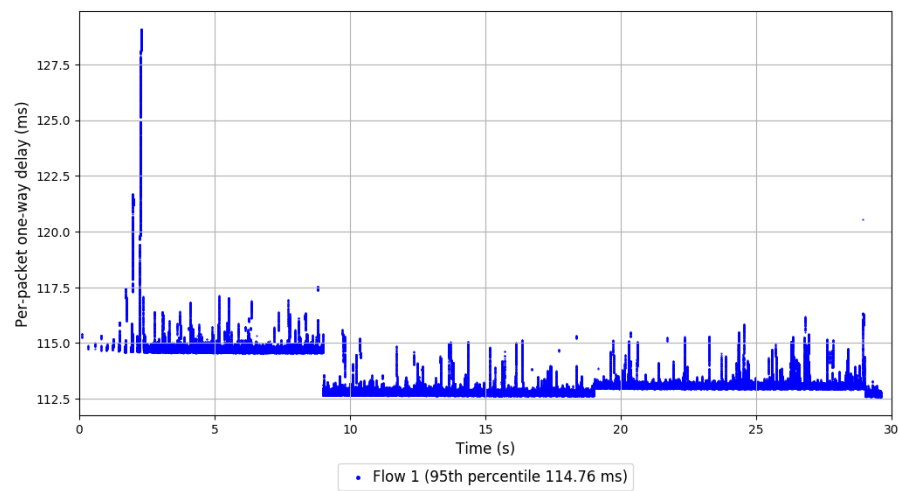
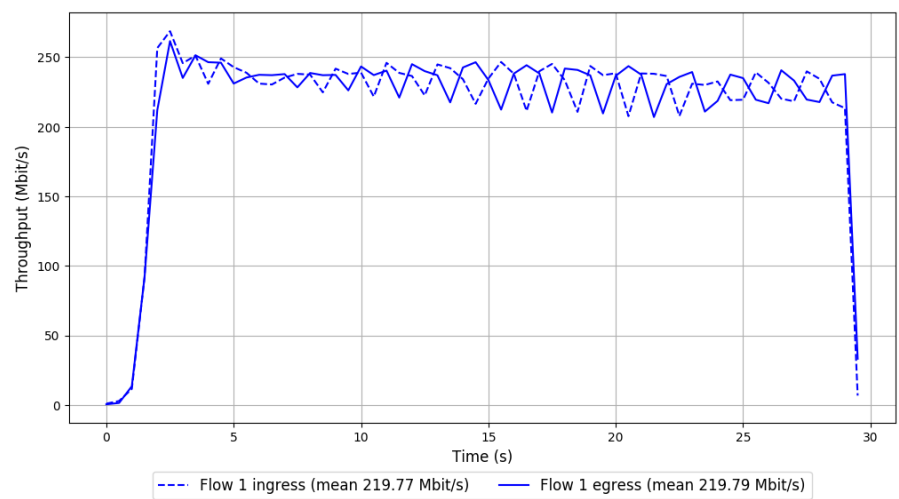


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 07:31:03
End at: 2018-04-24 07:31:33

# Below is generated by plot.py at 2018-04-24 11:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.79 Mbit/s
95th percentile per-packet one-way delay: 114.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.79 Mbit/s
95th percentile per-packet one-way delay: 114.763 ms
Loss rate: 0.00%
```

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

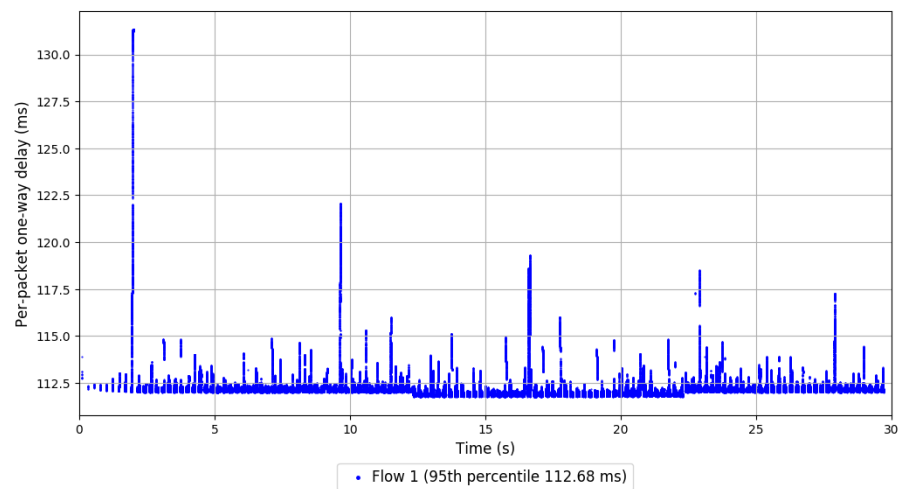
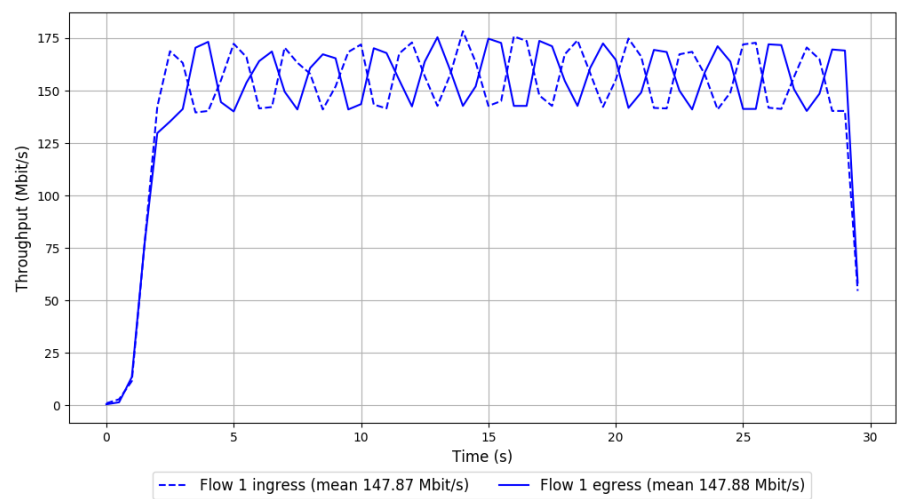


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 07:44:50
End at: 2018-04-24 07:45:20

# Below is generated by plot.py at 2018-04-24 11:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.88 Mbit/s
95th percentile per-packet one-way delay: 112.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.88 Mbit/s
95th percentile per-packet one-way delay: 112.684 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 07:58:44

End at: 2018-04-24 07:59:14

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.95 Mbit/s

95th percentile per-packet one-way delay: 111.560 ms

Loss rate: 0.00%

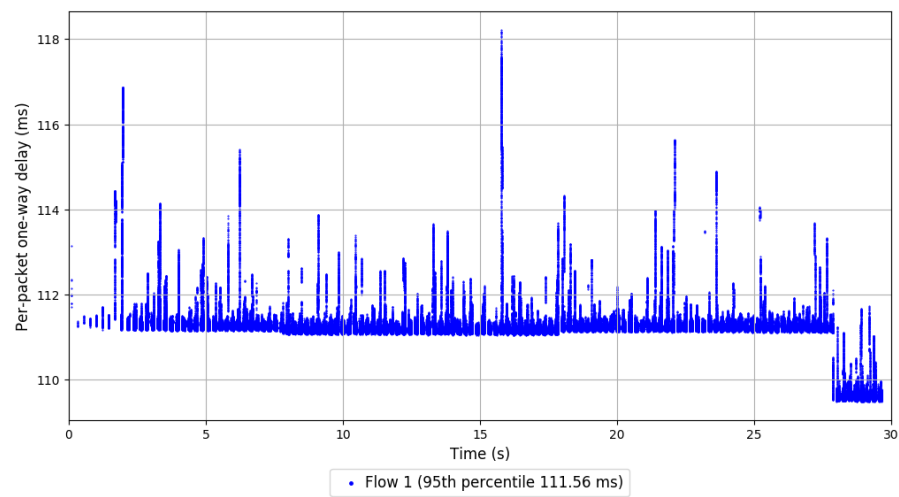
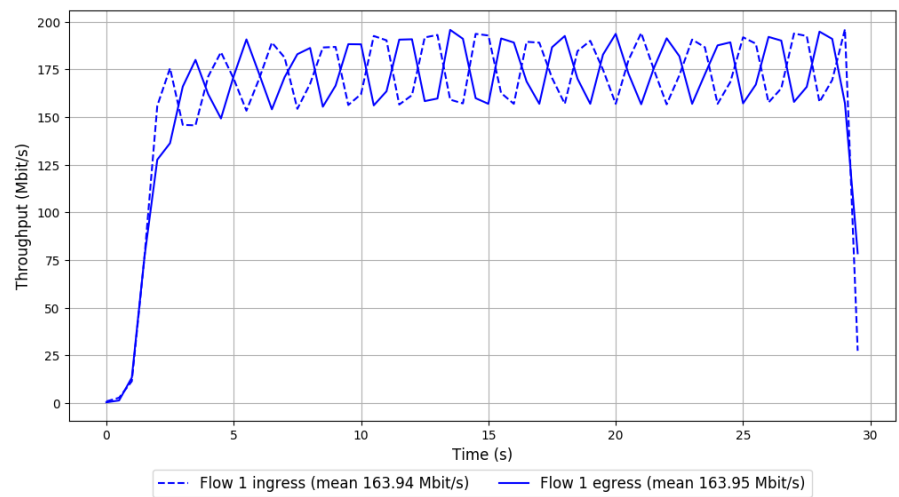
-- Flow 1:

Average throughput: 163.95 Mbit/s

95th percentile per-packet one-way delay: 111.560 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 08:12:26

End at: 2018-04-24 08:12:56

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.00 Mbit/s

95th percentile per-packet one-way delay: 112.657 ms

Loss rate: 0.00%

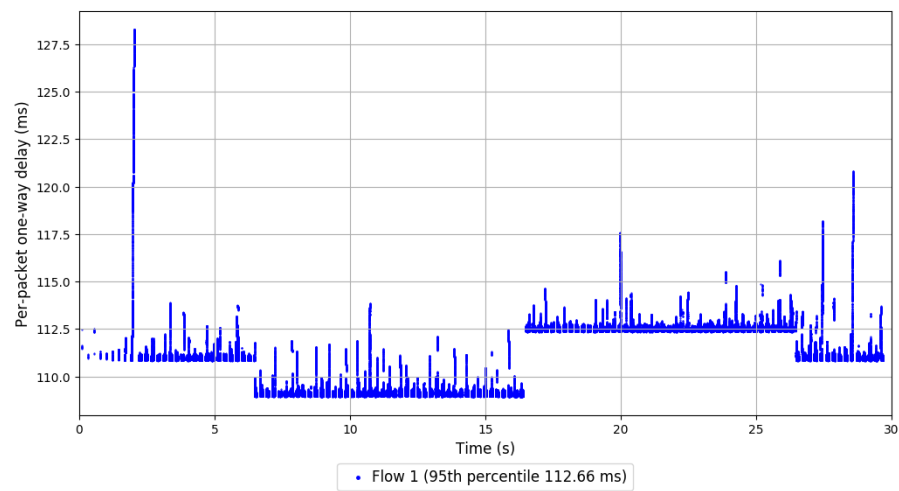
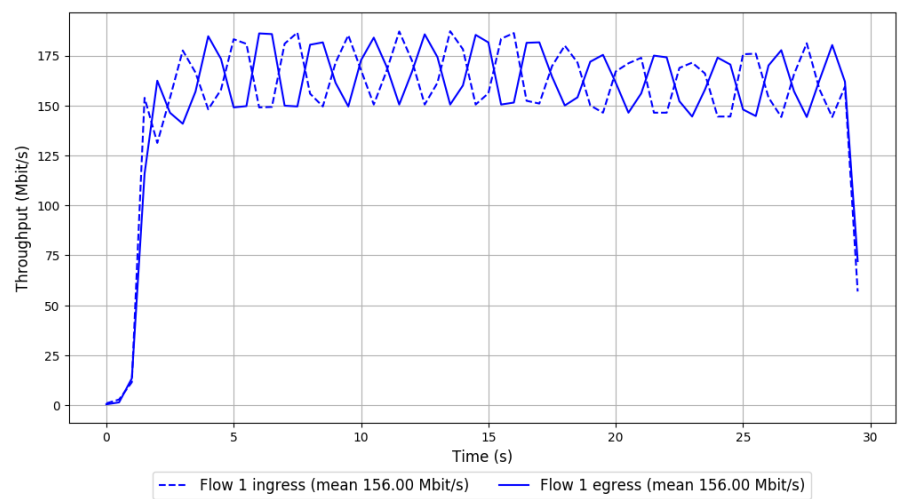
-- Flow 1:

Average throughput: 156.00 Mbit/s

95th percentile per-packet one-way delay: 112.657 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 08:26:19

End at: 2018-04-24 08:26:49

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.68 Mbit/s

95th percentile per-packet one-way delay: 112.677 ms

Loss rate: 0.00%

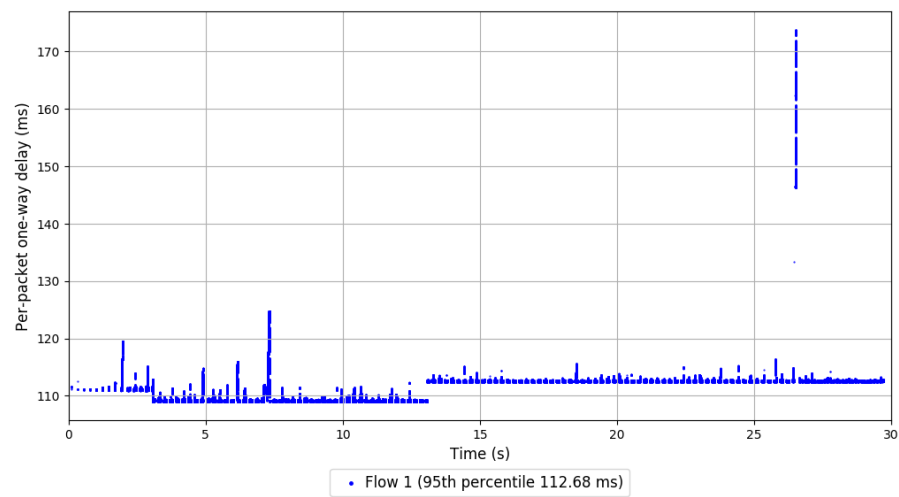
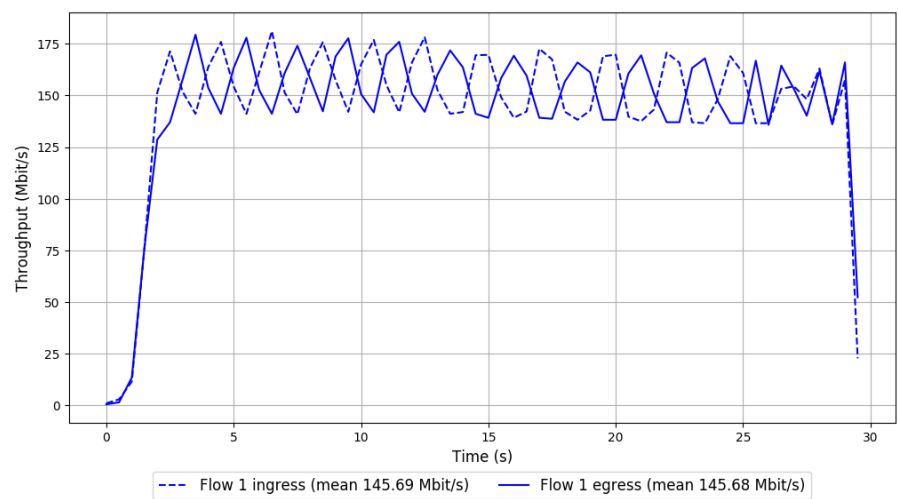
-- Flow 1:

Average throughput: 145.68 Mbit/s

95th percentile per-packet one-way delay: 112.677 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 08:40:02

End at: 2018-04-24 08:40:32

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.96 Mbit/s

95th percentile per-packet one-way delay: 113.056 ms

Loss rate: 0.01%

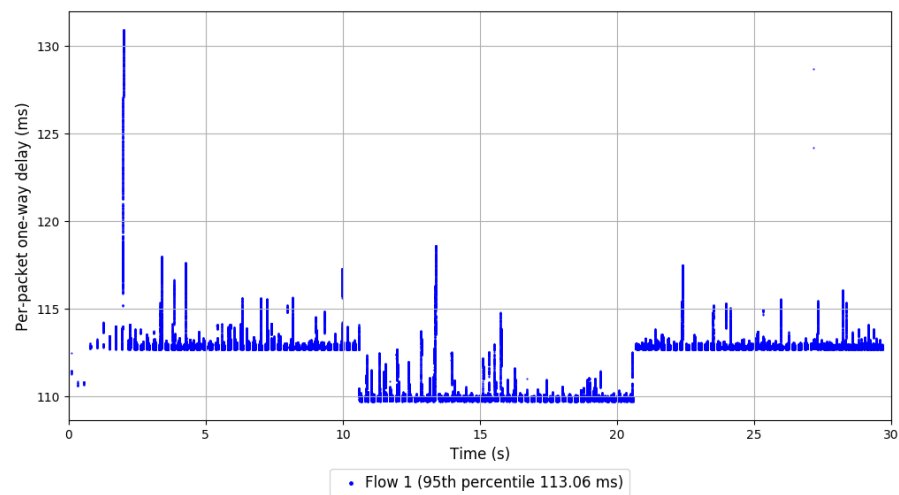
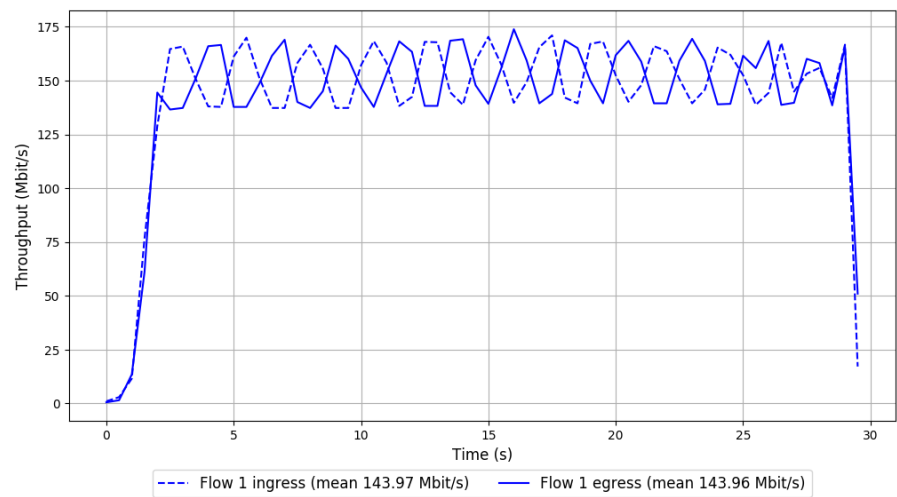
-- Flow 1:

Average throughput: 143.96 Mbit/s

95th percentile per-packet one-way delay: 113.056 ms

Loss rate: 0.01%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 08:53:53

End at: 2018-04-24 08:54:23

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.65 Mbit/s

95th percentile per-packet one-way delay: 113.278 ms

Loss rate: 0.00%

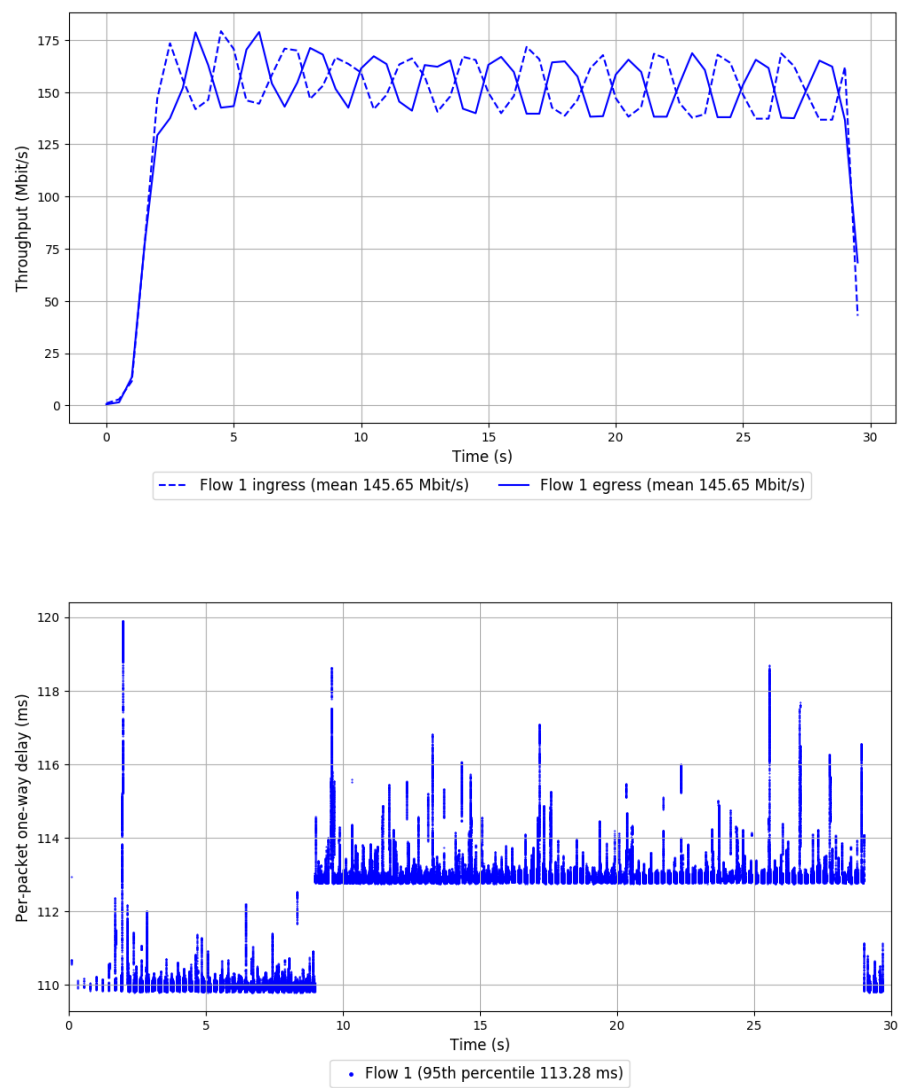
-- Flow 1:

Average throughput: 145.65 Mbit/s

95th percentile per-packet one-way delay: 113.278 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-24 09:07:38

End at: 2018-04-24 09:08:08

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.57 Mbit/s

95th percentile per-packet one-way delay: 113.156 ms

Loss rate: 0.00%

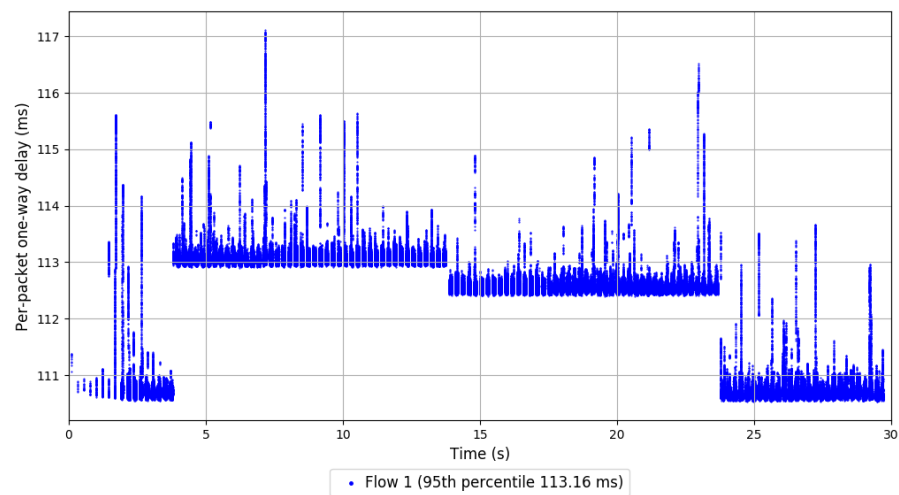
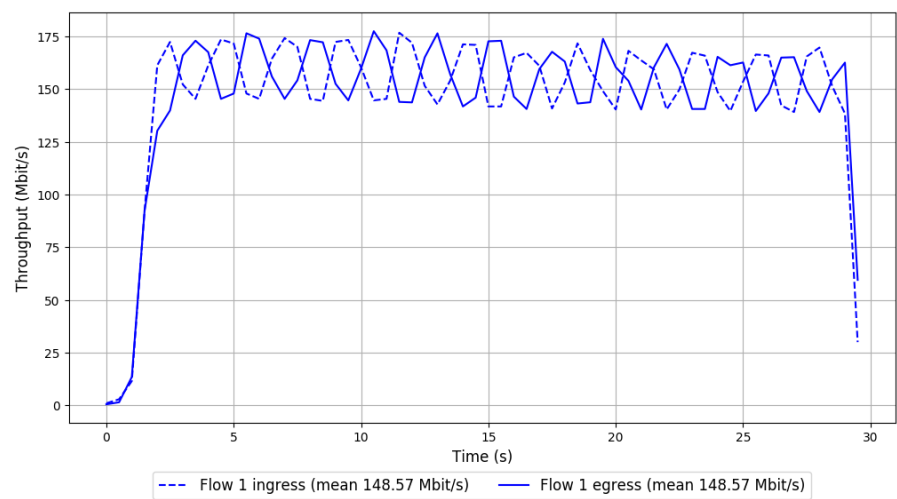
-- Flow 1:

Average throughput: 148.57 Mbit/s

95th percentile per-packet one-way delay: 113.156 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

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

End at: 2018-04-24 09:22:09

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.36 Mbit/s

95th percentile per-packet one-way delay: 113.362 ms

Loss rate: 0.00%

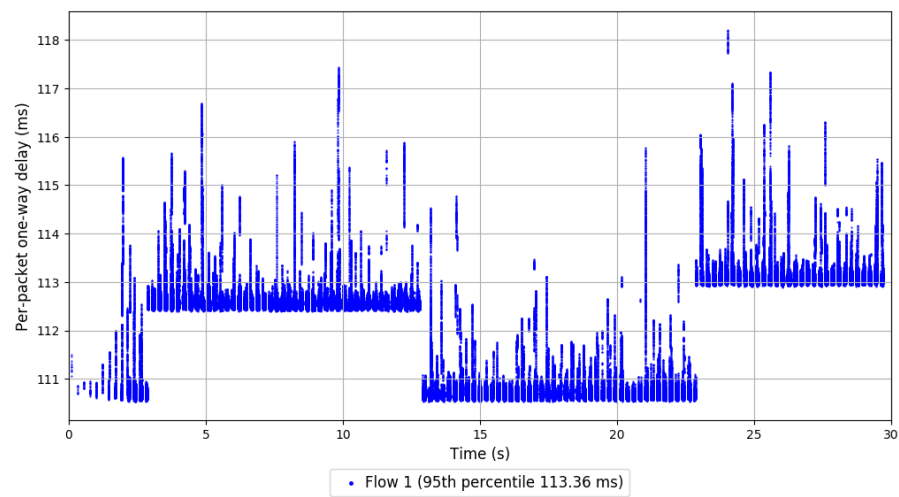
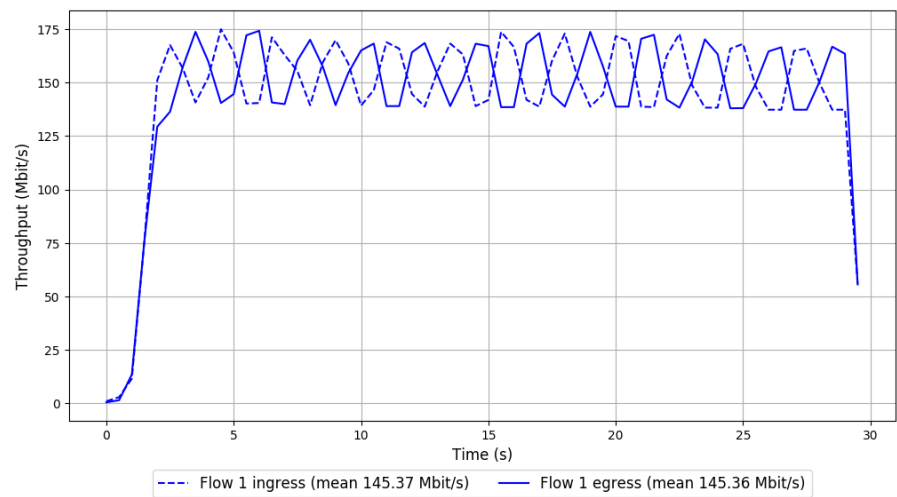
-- Flow 1:

Average throughput: 145.36 Mbit/s

95th percentile per-packet one-way delay: 113.362 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 09:35:47

End at: 2018-04-24 09:36:17

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.21 Mbit/s

95th percentile per-packet one-way delay: 111.461 ms

Loss rate: 0.00%

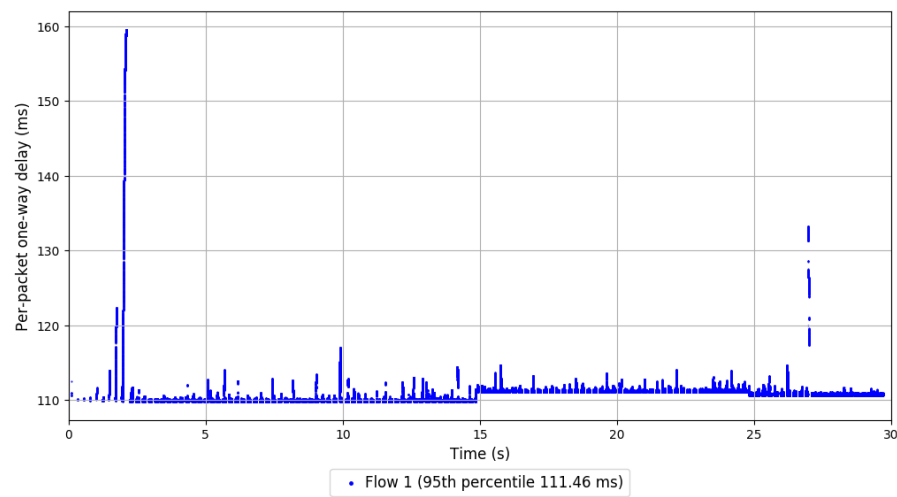
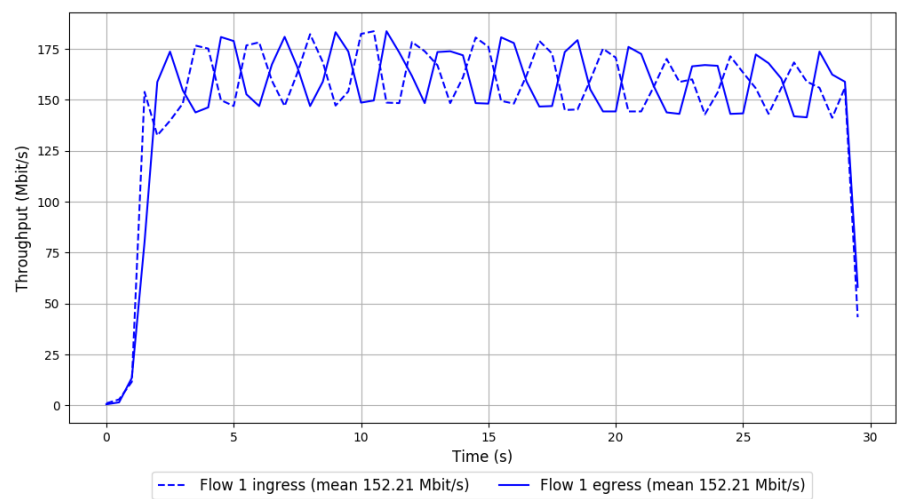
-- Flow 1:

Average throughput: 152.21 Mbit/s

95th percentile per-packet one-way delay: 111.461 ms

Loss rate: 0.00%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 07:33:55

End at: 2018-04-24 07:34:25

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.14 Mbit/s

95th percentile per-packet one-way delay: 156.200 ms

Loss rate: 1.32%

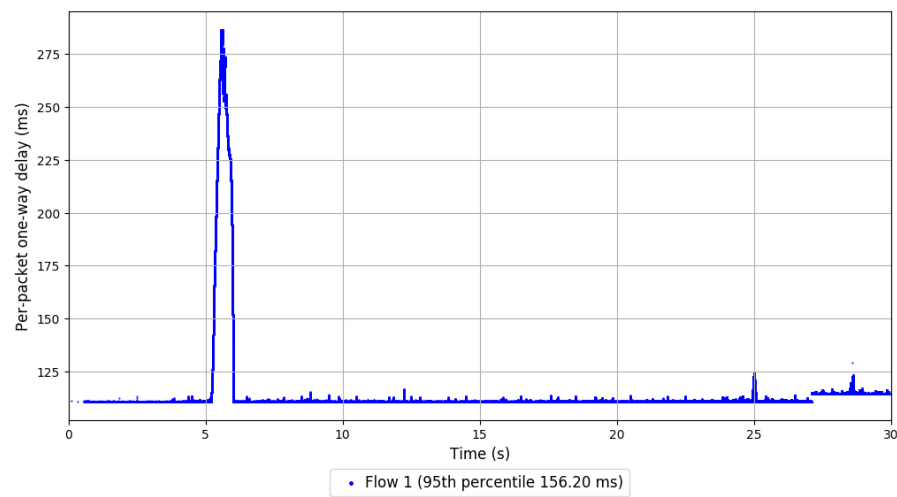
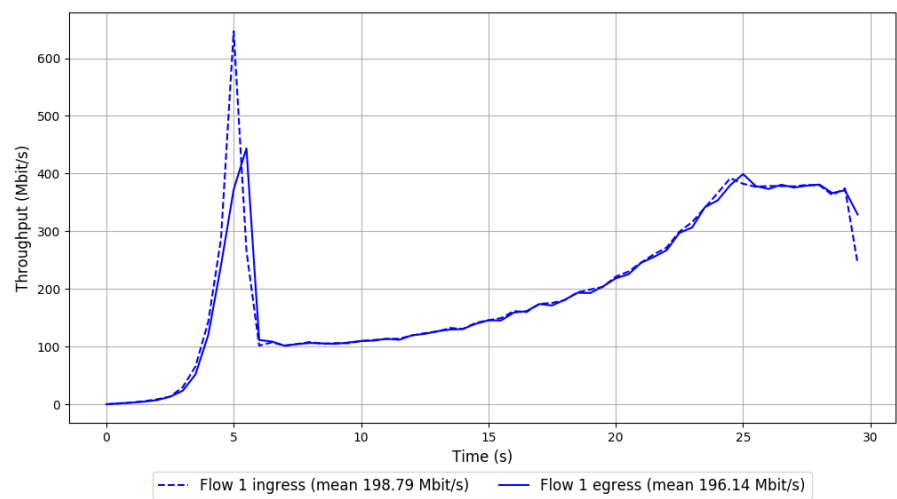
-- Flow 1:

Average throughput: 196.14 Mbit/s

95th percentile per-packet one-way delay: 156.200 ms

Loss rate: 1.32%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 07:47:37

End at: 2018-04-24 07:48:07

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.99 Mbit/s

95th percentile per-packet one-way delay: 163.052 ms

Loss rate: 1.21%

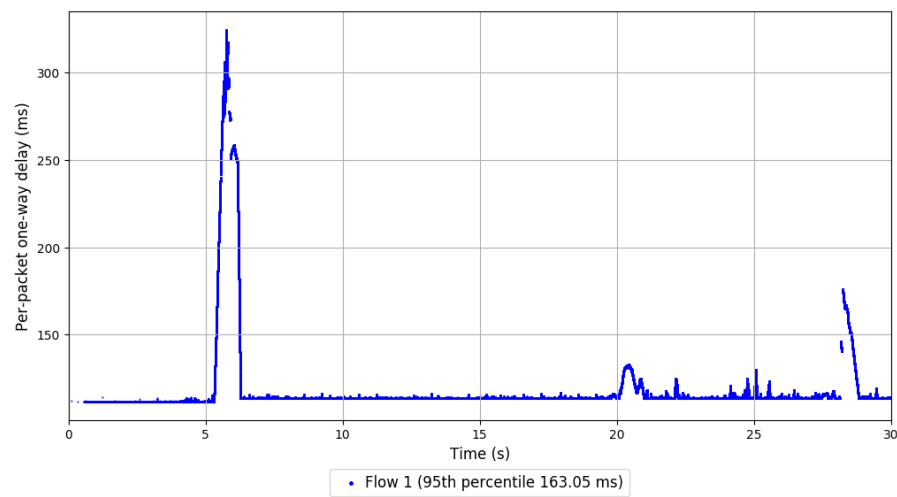
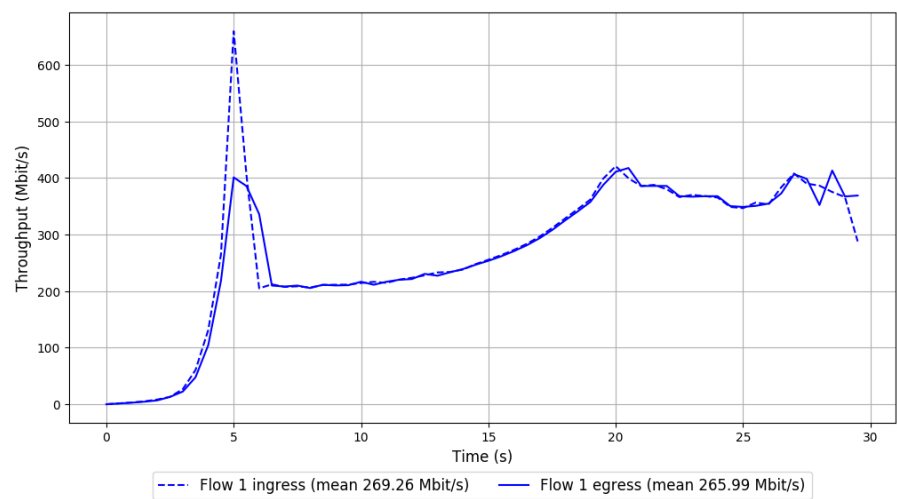
-- Flow 1:

Average throughput: 265.99 Mbit/s

95th percentile per-packet one-way delay: 163.052 ms

Loss rate: 1.21%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 08:01:35

End at: 2018-04-24 08:02:05

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.53 Mbit/s

95th percentile per-packet one-way delay: 168.153 ms

Loss rate: 1.10%

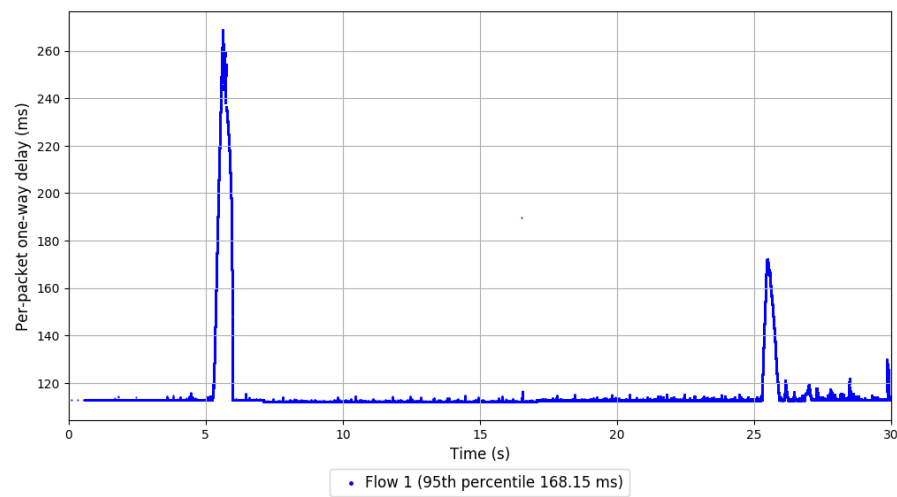
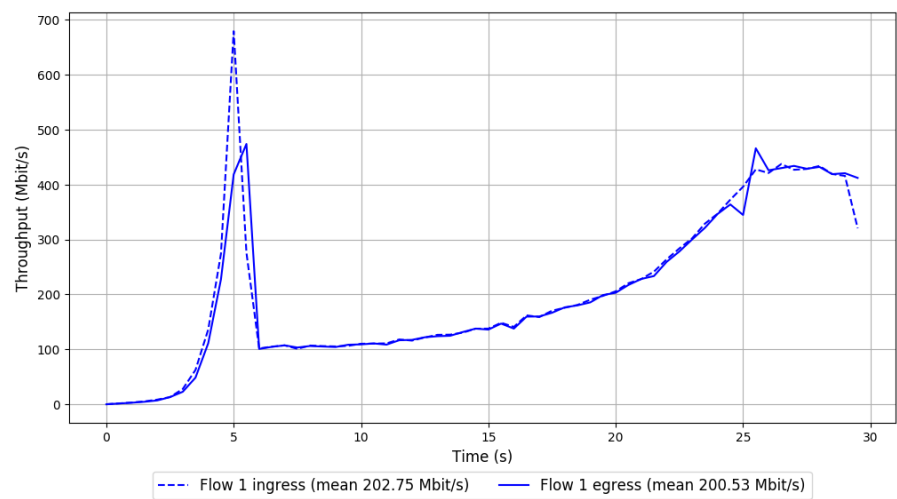
-- Flow 1:

Average throughput: 200.53 Mbit/s

95th percentile per-packet one-way delay: 168.153 ms

Loss rate: 1.10%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

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

End at: 2018-04-24 08:15:45

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.59 Mbit/s

95th percentile per-packet one-way delay: 120.655 ms

Loss rate: 0.41%

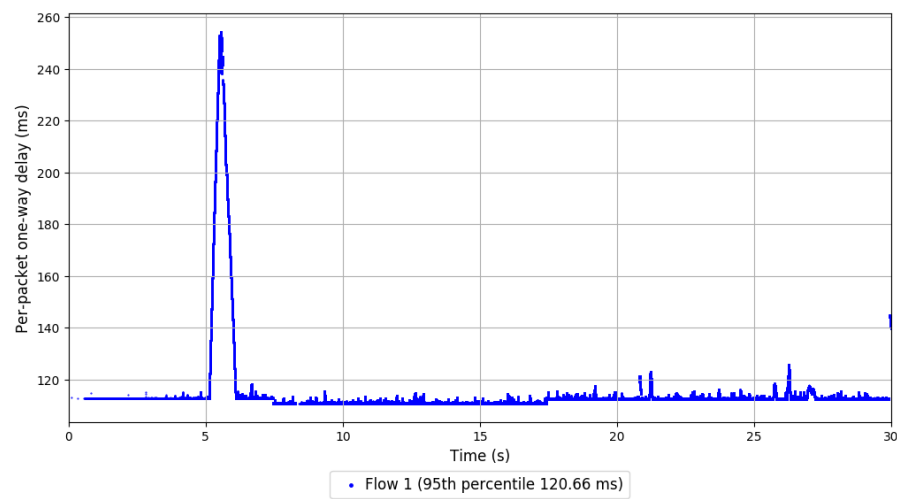
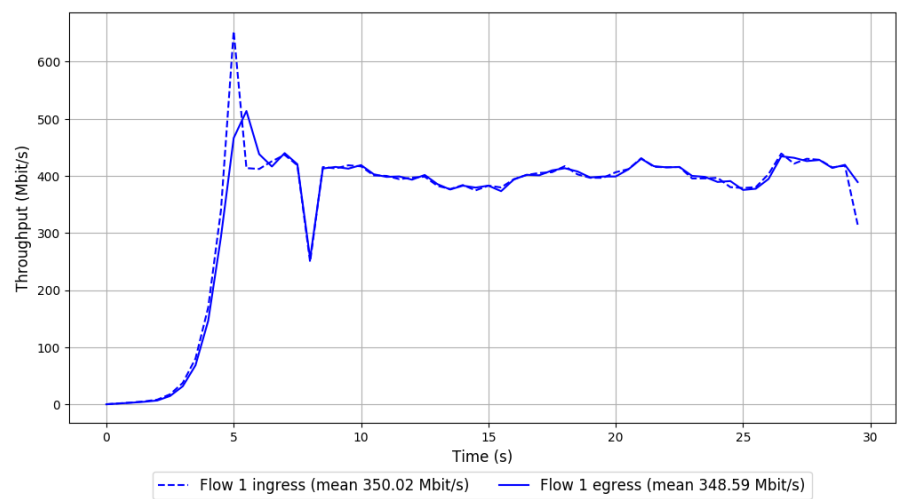
-- Flow 1:

Average throughput: 348.59 Mbit/s

95th percentile per-packet one-way delay: 120.655 ms

Loss rate: 0.41%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 08:29:07

End at: 2018-04-24 08:29:37

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.83 Mbit/s

95th percentile per-packet one-way delay: 115.591 ms

Loss rate: 0.78%

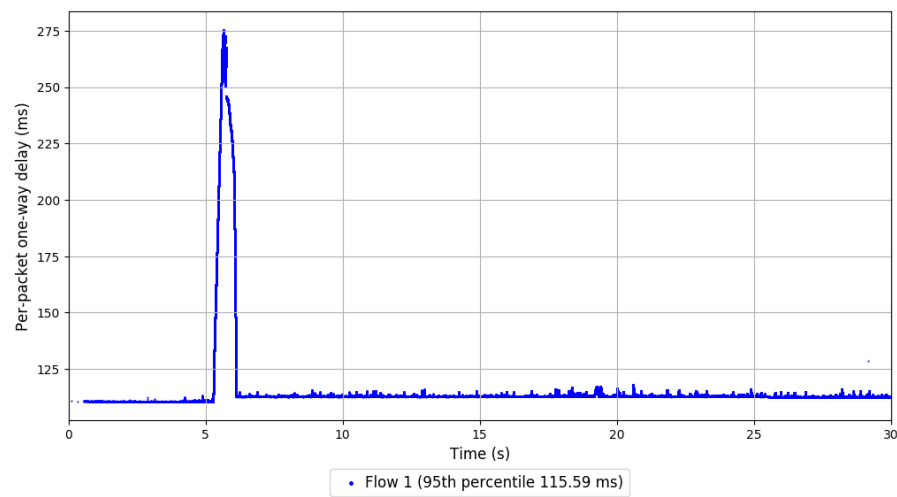
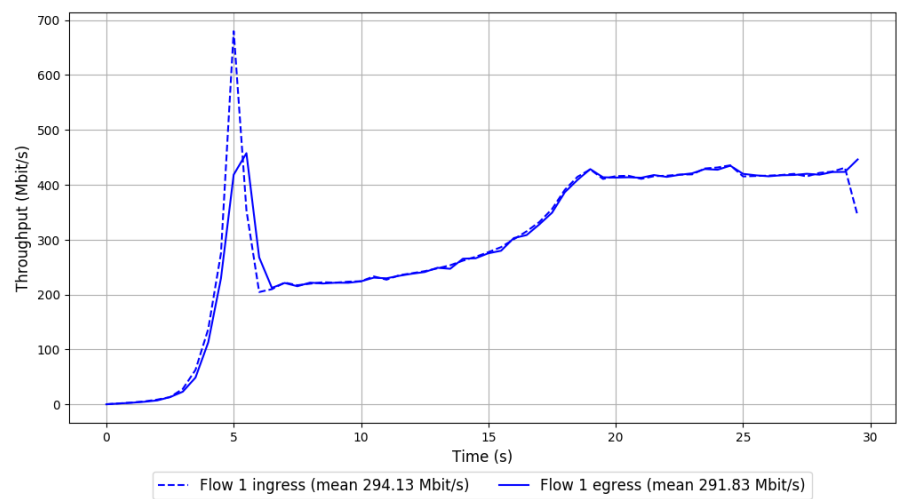
-- Flow 1:

Average throughput: 291.83 Mbit/s

95th percentile per-packet one-way delay: 115.591 ms

Loss rate: 0.78%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 08:42:50

End at: 2018-04-24 08:43:20

Below is generated by plot.py at 2018-04-24 11:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.09 Mbit/s

95th percentile per-packet one-way delay: 127.757 ms

Loss rate: 0.92%

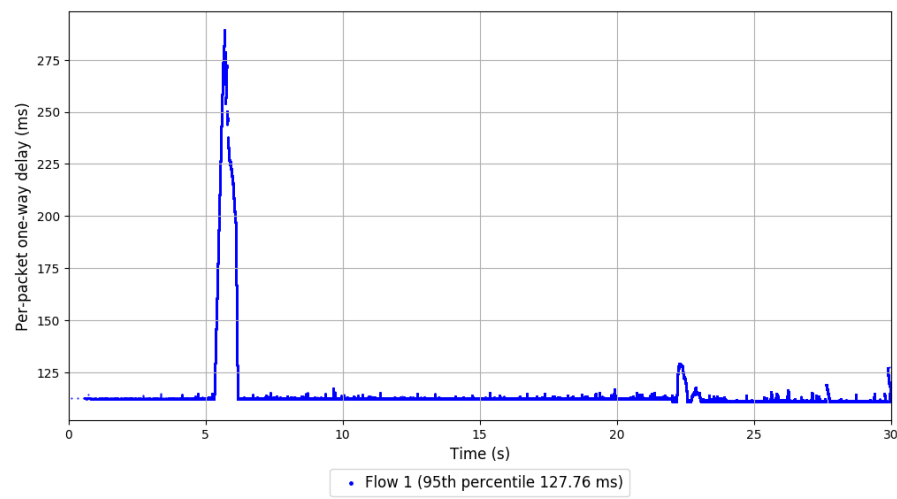
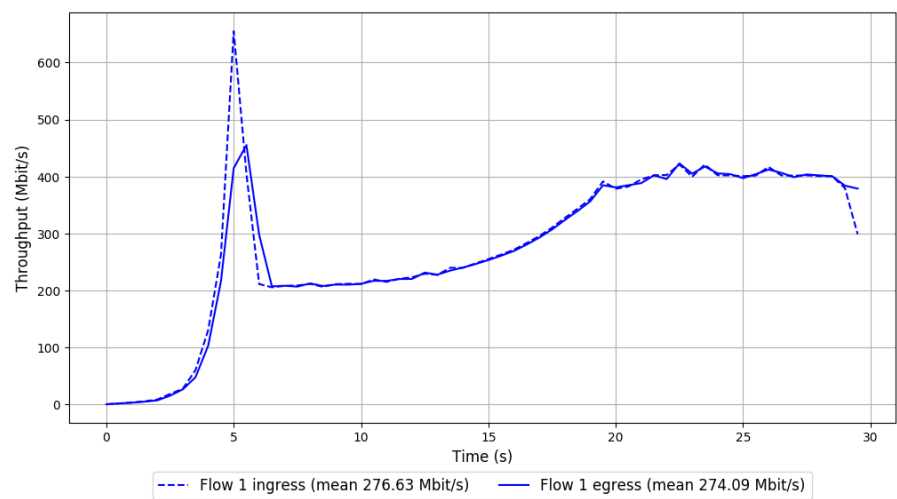
-- Flow 1:

Average throughput: 274.09 Mbit/s

95th percentile per-packet one-way delay: 127.757 ms

Loss rate: 0.92%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 08:56:40

End at: 2018-04-24 08:57:10

Below is generated by plot.py at 2018-04-24 11:27:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.46 Mbit/s

95th percentile per-packet one-way delay: 184.232 ms

Loss rate: 0.41%

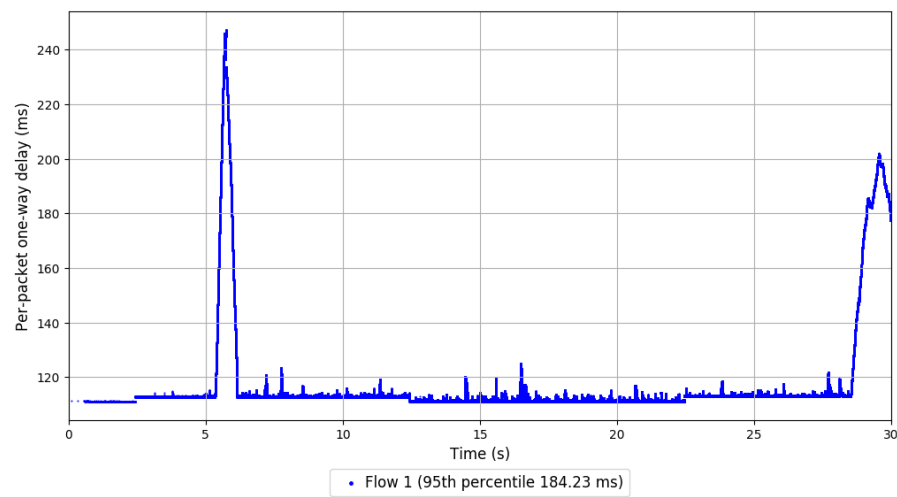
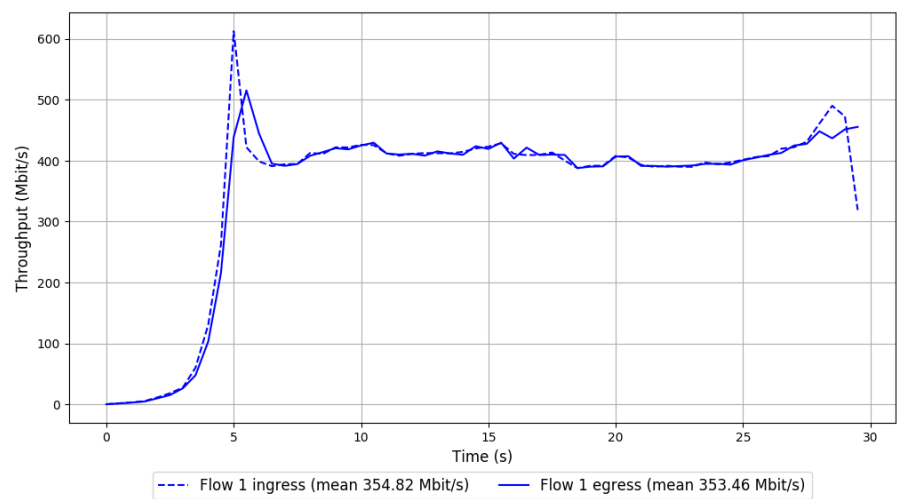
-- Flow 1:

Average throughput: 353.46 Mbit/s

95th percentile per-packet one-way delay: 184.232 ms

Loss rate: 0.41%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 09:10:28

End at: 2018-04-24 09:10:58

Below is generated by plot.py at 2018-04-24 11:27:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.70 Mbit/s

95th percentile per-packet one-way delay: 119.758 ms

Loss rate: 0.50%

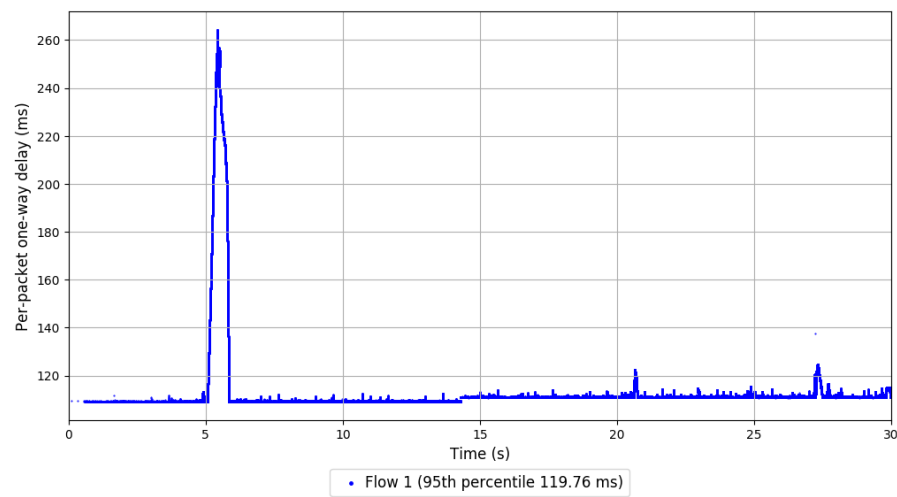
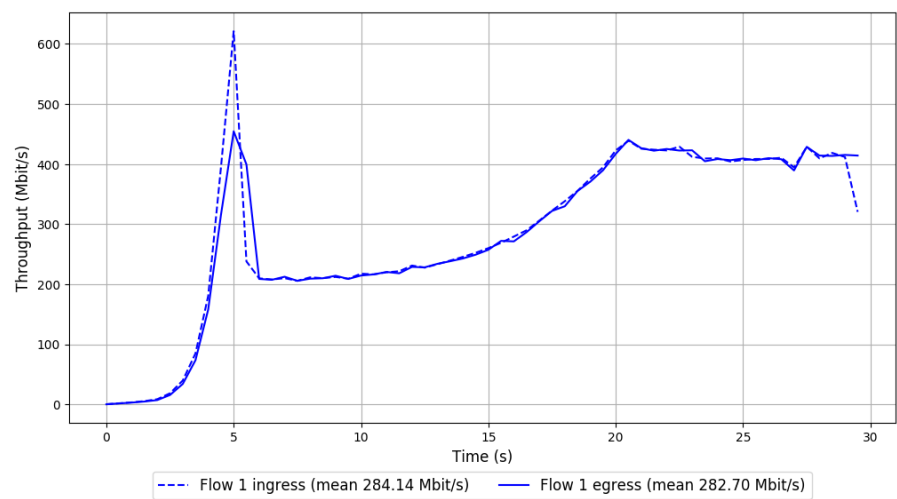
-- Flow 1:

Average throughput: 282.70 Mbit/s

95th percentile per-packet one-way delay: 119.758 ms

Loss rate: 0.50%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

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

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

Below is generated by plot.py at 2018-04-24 11:28:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.62 Mbit/s

95th percentile per-packet one-way delay: 132.425 ms

Loss rate: 0.59%

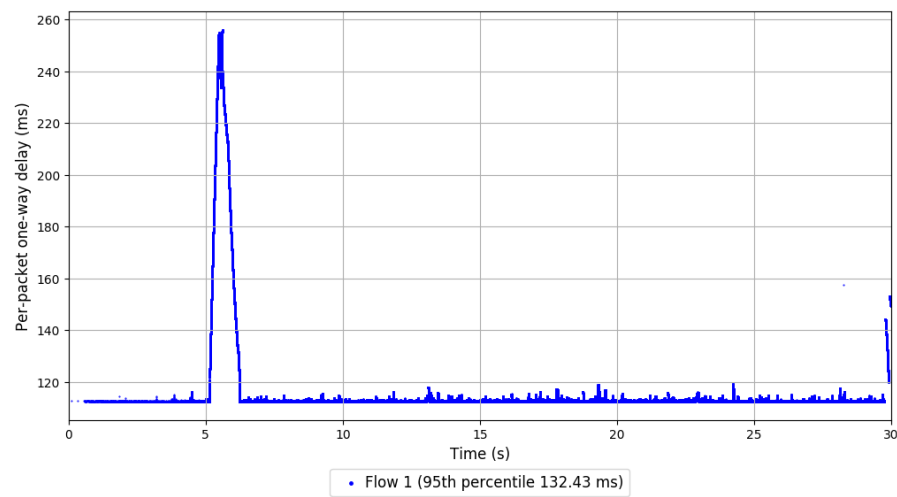
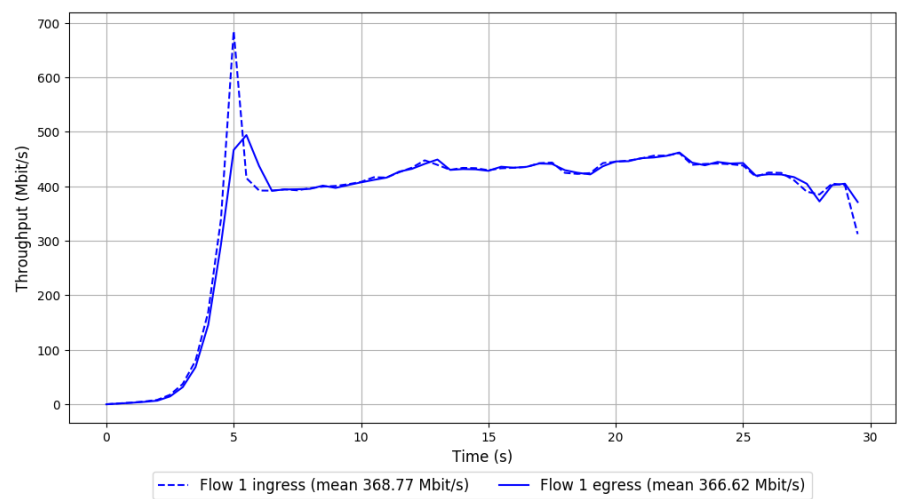
-- Flow 1:

Average throughput: 366.62 Mbit/s

95th percentile per-packet one-way delay: 132.425 ms

Loss rate: 0.59%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 09:38:36

End at: 2018-04-24 09:39:06

Below is generated by plot.py at 2018-04-24 11:28:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.31 Mbit/s

95th percentile per-packet one-way delay: 180.933 ms

Loss rate: 1.04%

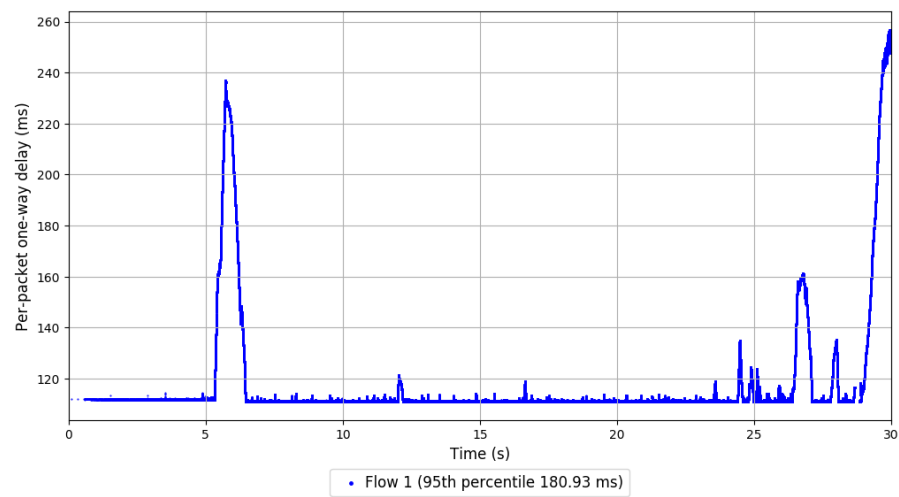
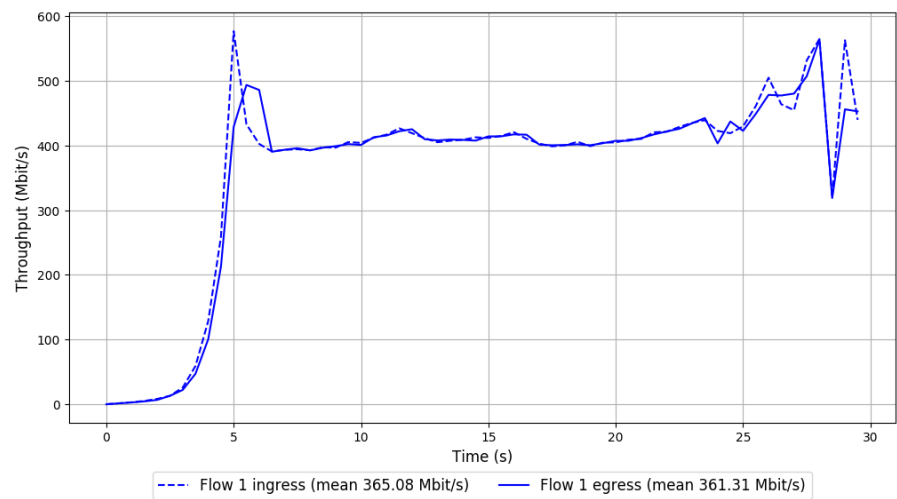
-- Flow 1:

Average throughput: 361.31 Mbit/s

95th percentile per-packet one-way delay: 180.933 ms

Loss rate: 1.04%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 07:30:23

End at: 2018-04-24 07:30:53

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 07:44:10

End at: 2018-04-24 07:44:40

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 07:58:04

End at: 2018-04-24 07:58:34

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 08:11:46

End at: 2018-04-24 08:12:16

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 08:25:39

End at: 2018-04-24 08:26:09

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 08:39:21

End at: 2018-04-24 08:39:51

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 08:53:13

End at: 2018-04-24 08:53:43

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 09:06:58

End at: 2018-04-24 09:07:28

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 09:20:59

End at: 2018-04-24 09:21:29

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 09:35:07

End at: 2018-04-24 09:35:37

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing