

## Pantheon Report

Generated at 2018-04-17 03:24:32 (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.

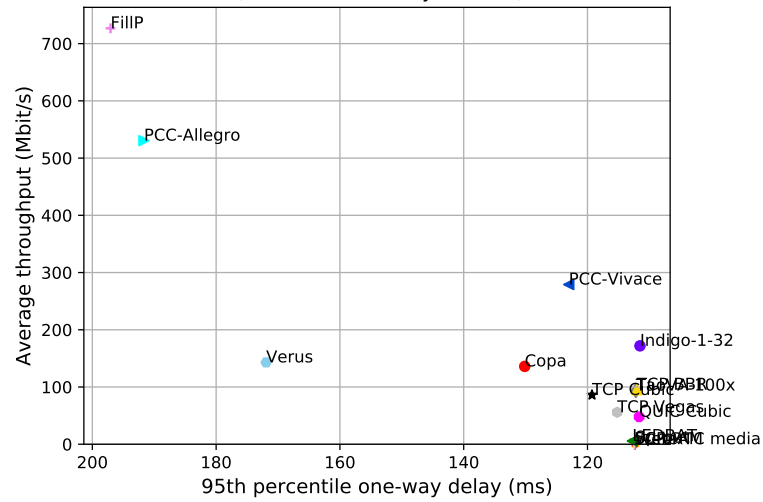
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

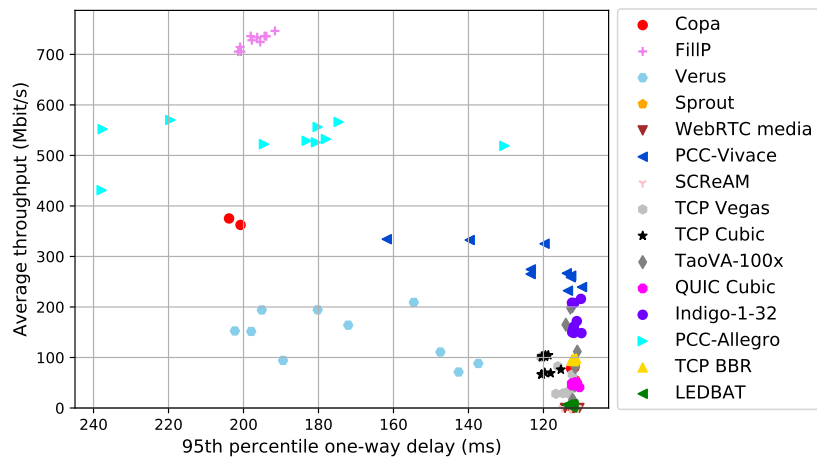
Git summary:

```
branch: master @ 4ed32c0e22b4dd733f97c1d3aaab2e5bb16f66b4
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)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR      | 10     | 95.27                            | 112.02                              | 0.00                         |
| TCP Cubic    | 10     | 86.15                            | 119.27                              | 0.01                         |
| LEDBAT       | 10     | 5.65                             | 112.76                              | 0.00                         |
| PCC-Allegro  | 10     | 530.46                           | 191.66                              | 1.13                         |
| QUIC Cubic   | 9      | 47.95                            | 111.66                              | 0.00                         |
| SCReAM       | 10     | 0.22                             | 112.45                              | 0.00                         |
| WebRTC media | 10     | 0.06                             | 112.33                              | 0.00                         |
| Sprout       | 10     | 2.75                             | 112.27                              | 0.00                         |
| TaoVA-100x   | 9      | 93.82                            | 112.19                              | 0.00                         |
| TCP Vegas    | 10     | 55.80                            | 115.20                              | 0.00                         |
| Verus        | 10     | 143.00                           | 171.92                              | 0.55                         |
| Copa         | 10     | 136.04                           | 130.14                              | 6.95                         |
| FillP        | 10     | 726.73                           | 197.07                              | 5.22                         |
| Indigo-1-32  | 10     | 171.89                           | 111.52                              | 0.00                         |
| PCC-Vivace   | 10     | 279.05                           | 123.03                              | 0.05                         |
| PCC-Expr     | 0      | N/A                              | N/A                                 | N/A                          |

Run 1: Statistics of TCP BBR

Start at: 2018-04-16 23:14:47

End at: 2018-04-16 23:15:17

# Below is generated by plot.py at 2018-04-17 02:29:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 112.232 ms

Loss rate: 0.00%

-- Flow 1:

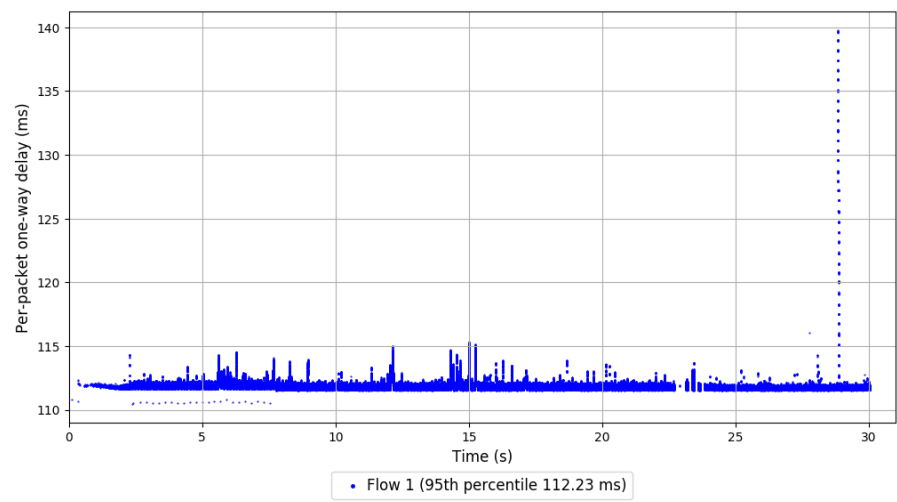
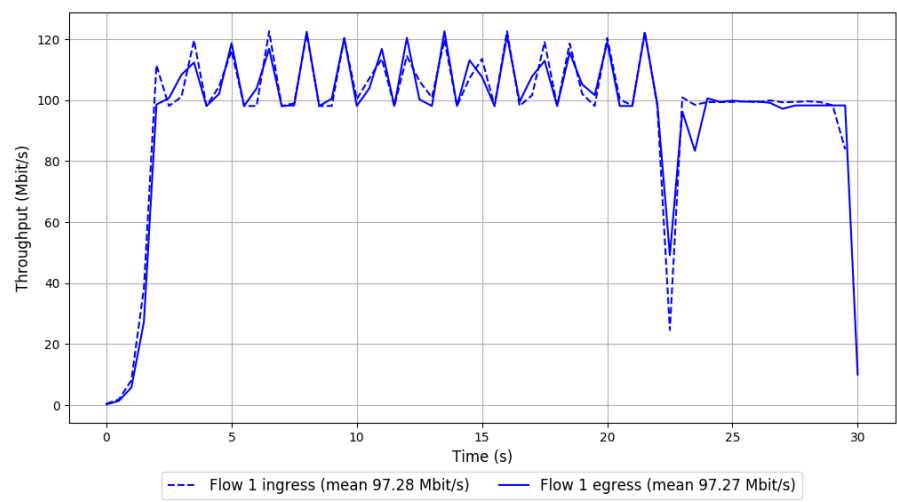
Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 112.232 ms

Loss rate: 0.00%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-16 23:28:29

End at: 2018-04-16 23:28:59

# Below is generated by plot.py at 2018-04-17 02:29:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 111.847 ms

Loss rate: 0.00%

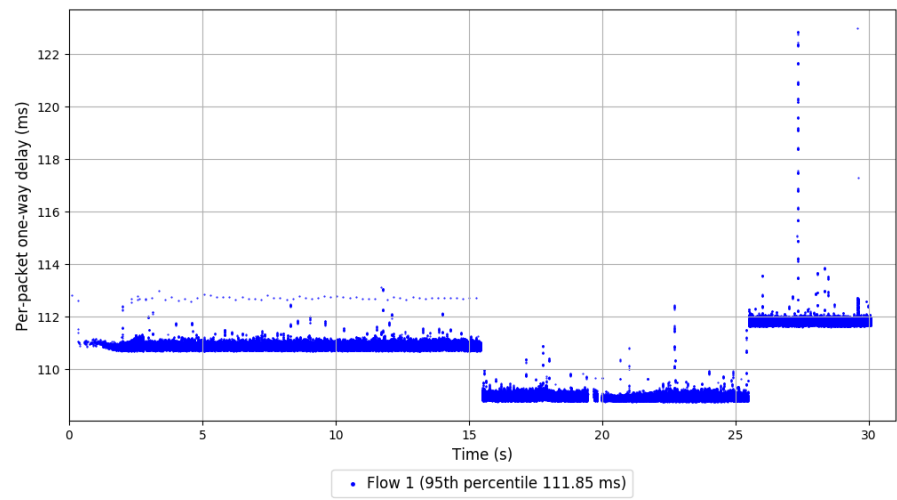
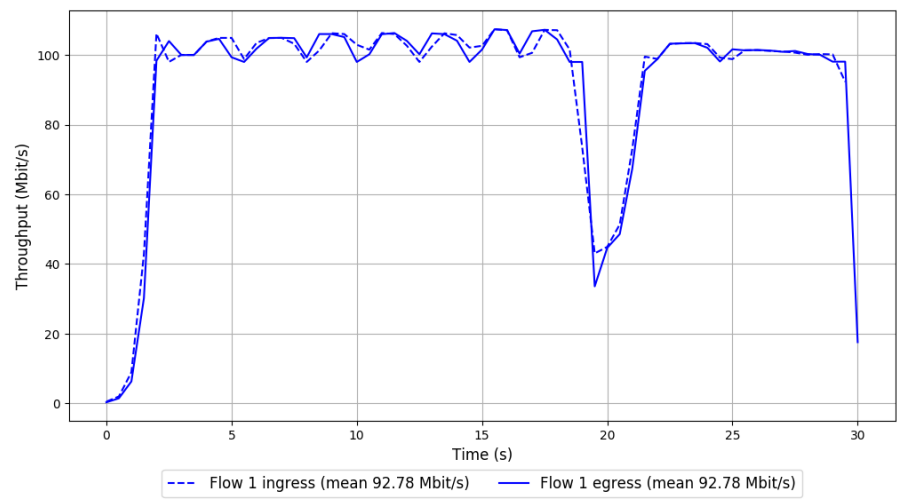
-- Flow 1:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 111.847 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-16 23:42:23

End at: 2018-04-16 23:42:53

# Below is generated by plot.py at 2018-04-17 02:29:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 98.09 Mbit/s

95th percentile per-packet one-way delay: 111.291 ms

Loss rate: 0.00%

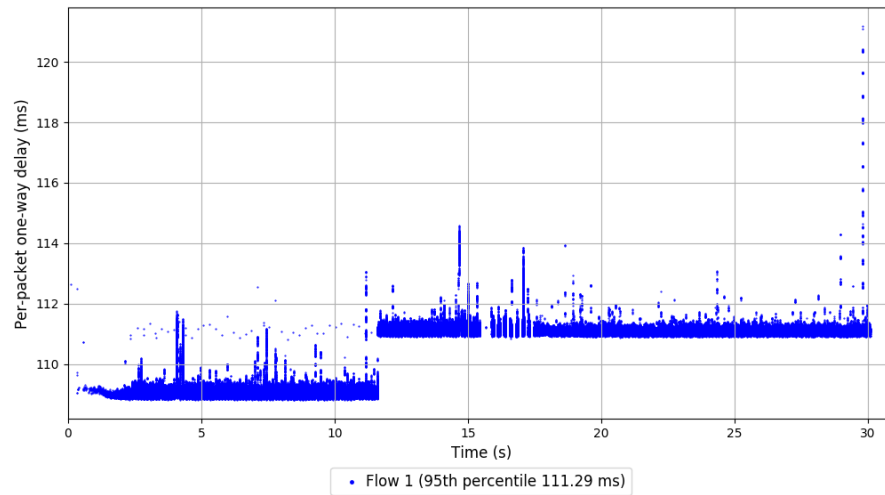
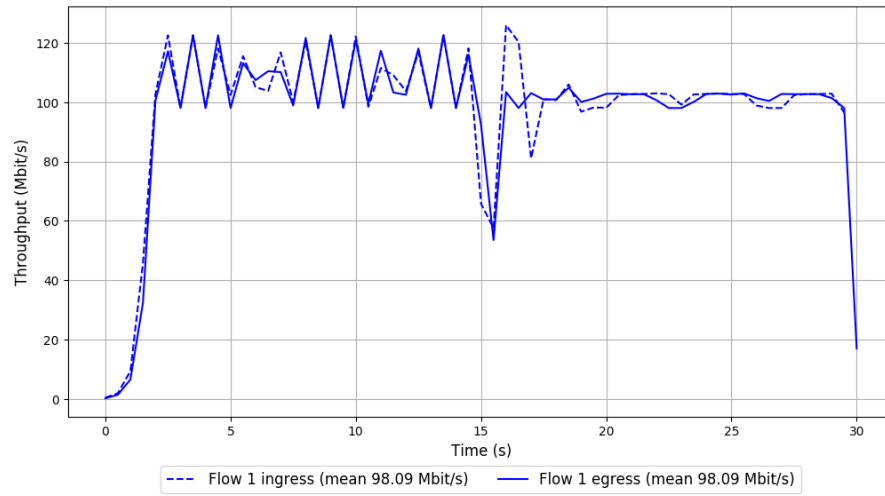
-- Flow 1:

Average throughput: 98.09 Mbit/s

95th percentile per-packet one-way delay: 111.291 ms

Loss rate: 0.00%

### Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-16 23:56:39

End at: 2018-04-16 23:57:09

# Below is generated by plot.py at 2018-04-17 02:29:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 111.838 ms

Loss rate: 0.00%

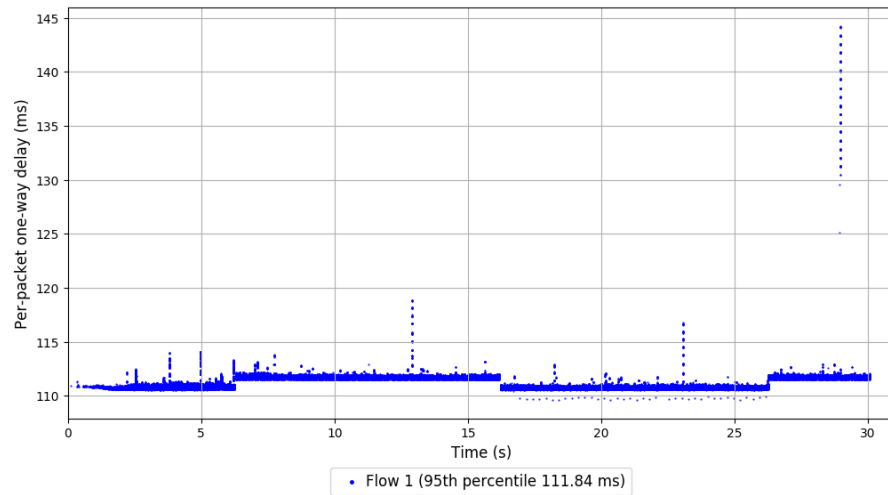
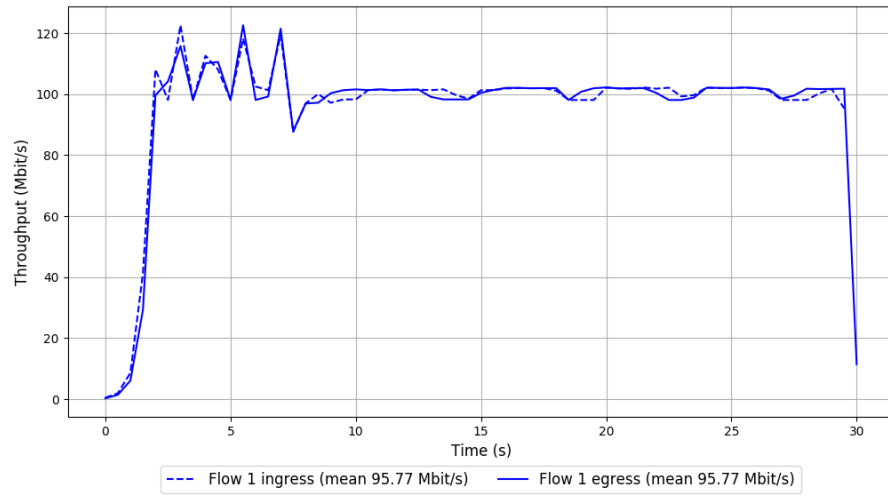
-- Flow 1:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 111.838 ms

Loss rate: 0.00%

#### Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 00:10:43

End at: 2018-04-17 00:11:13

# Below is generated by plot.py at 2018-04-17 02:29:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.00 Mbit/s

95th percentile per-packet one-way delay: 111.805 ms

Loss rate: 0.00%

-- Flow 1:

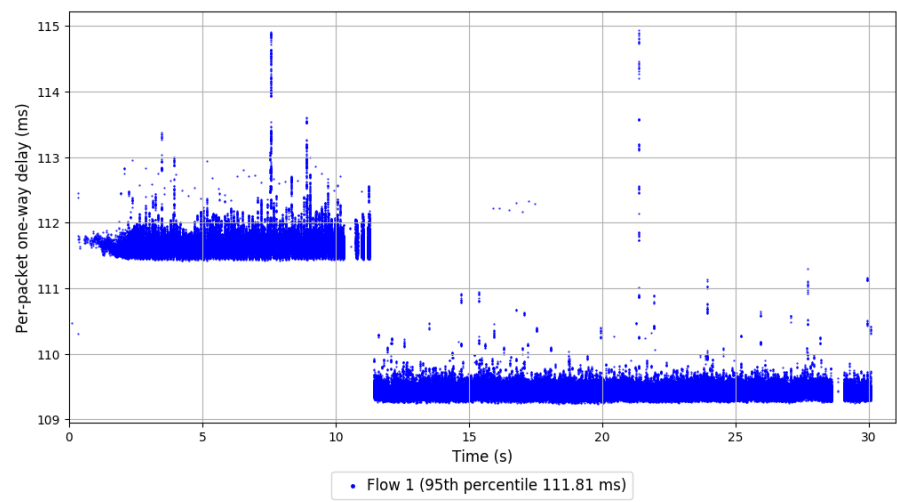
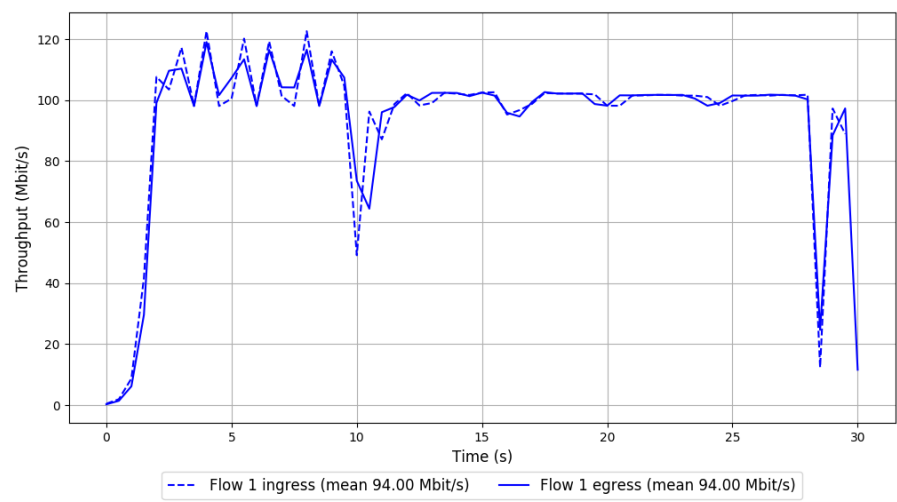
Average throughput: 94.00 Mbit/s

95th percentile per-packet one-way delay: 111.805 ms

Loss rate: 0.00%



Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 00:24:26

End at: 2018-04-17 00:24:56

# Below is generated by plot.py at 2018-04-17 02:29:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 111.791 ms

Loss rate: 0.00%

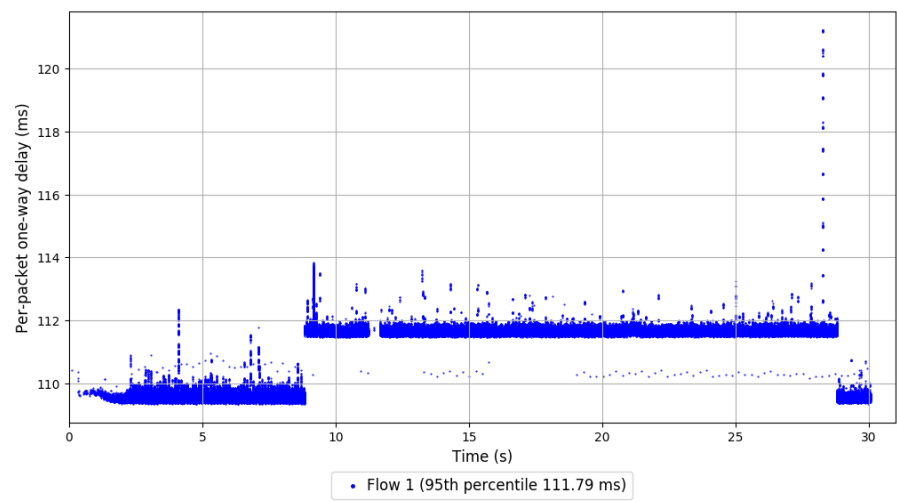
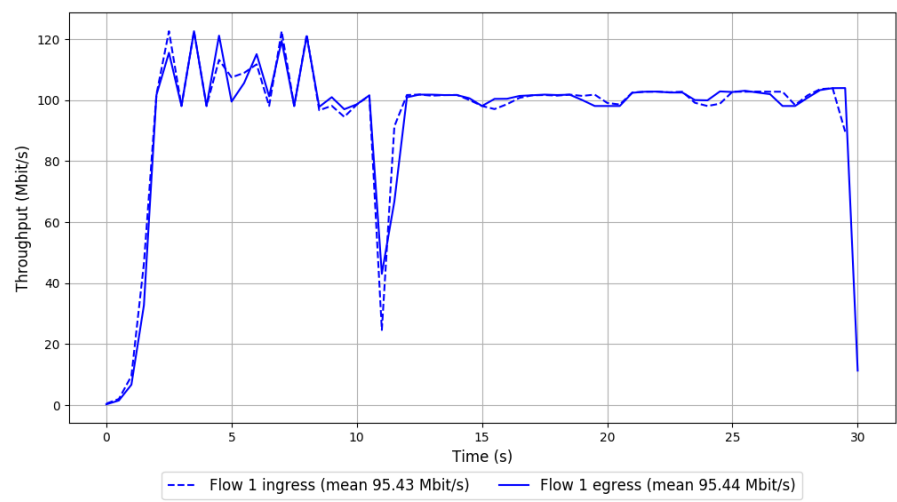
-- Flow 1:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 111.791 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 00:38:36

End at: 2018-04-17 00:39:06

# Below is generated by plot.py at 2018-04-17 02:29:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.89 Mbit/s

95th percentile per-packet one-way delay: 112.394 ms

Loss rate: 0.00%

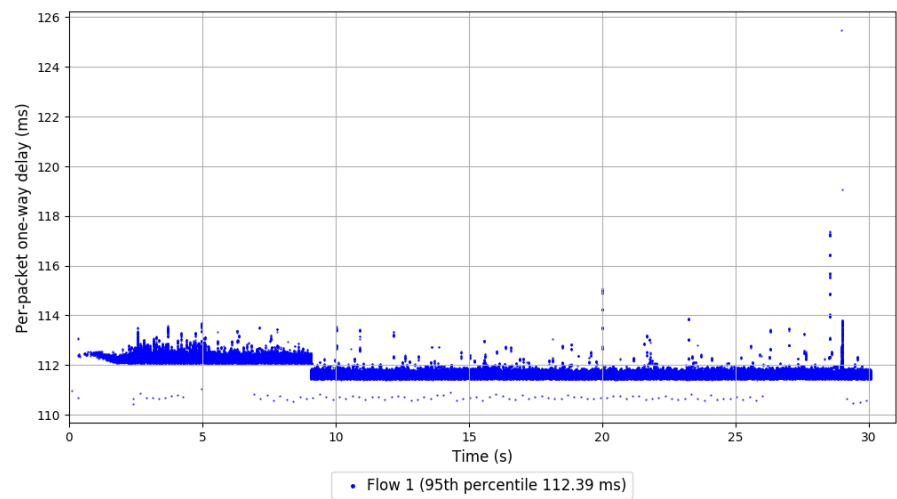
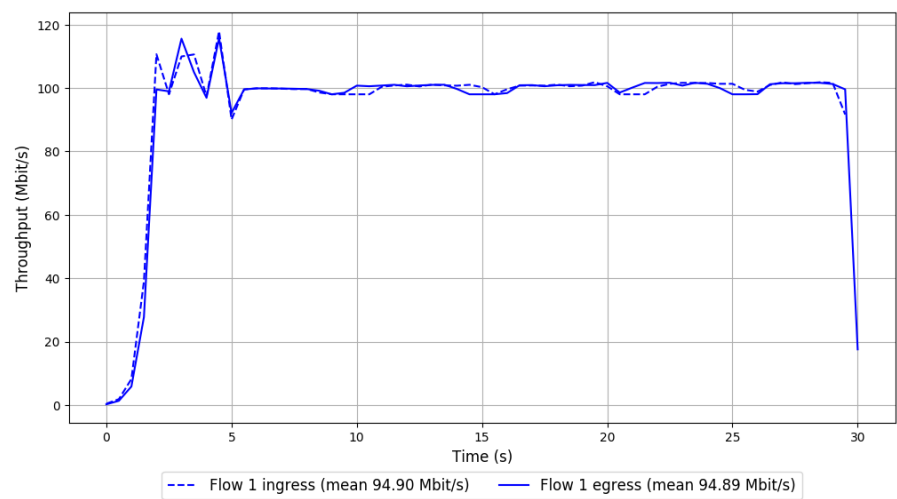
-- Flow 1:

Average throughput: 94.89 Mbit/s

95th percentile per-packet one-way delay: 112.394 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 00:52:28

End at: 2018-04-17 00:52:58

# Below is generated by plot.py at 2018-04-17 02:29:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 112.414 ms

Loss rate: 0.00%

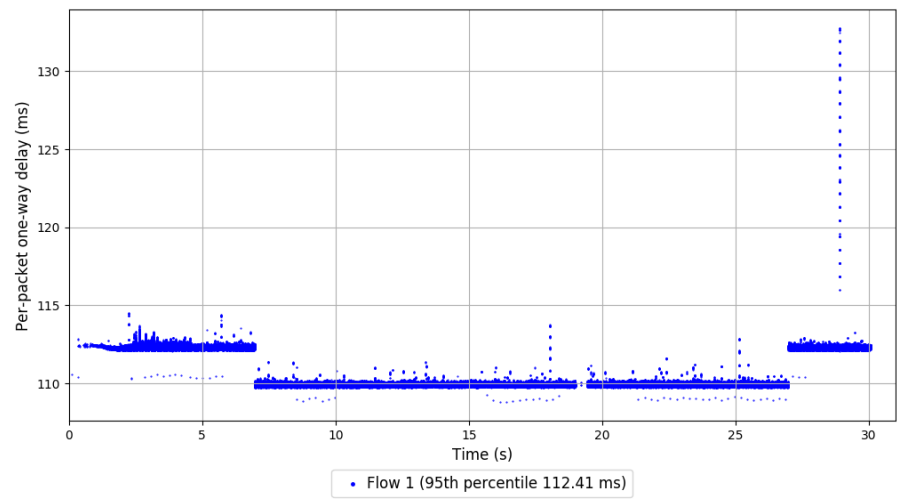
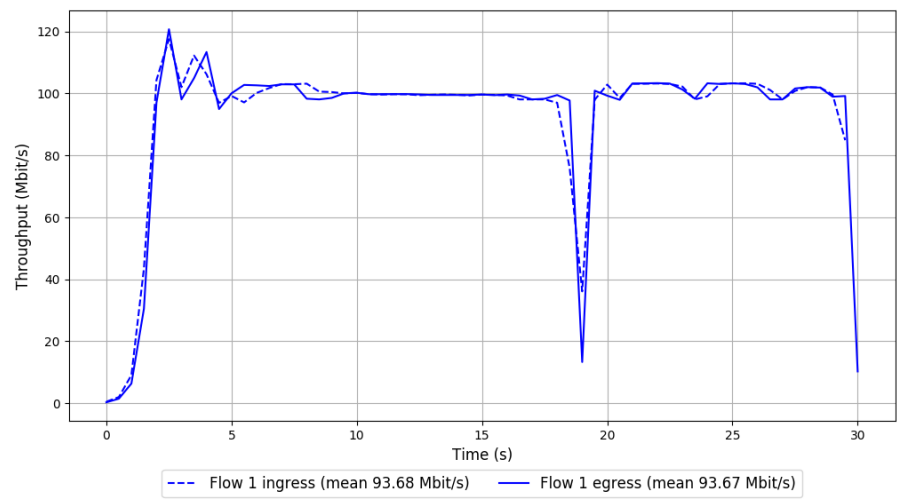
-- Flow 1:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 112.414 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 01:06:54

End at: 2018-04-17 01:07:24

# Below is generated by plot.py at 2018-04-17 02:31:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 112.383 ms

Loss rate: 0.00%

-- Flow 1:

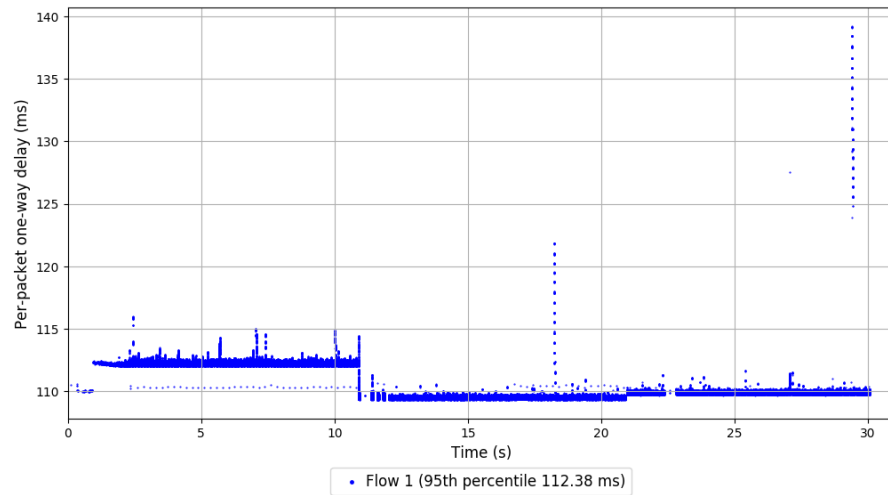
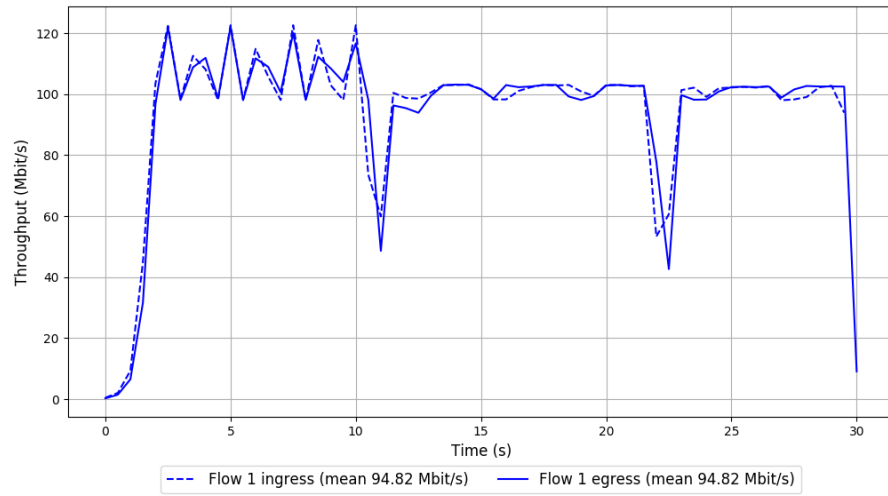
Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 112.383 ms

Loss rate: 0.00%



### Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 01:20:40

End at: 2018-04-17 01:21:10

# Below is generated by plot.py at 2018-04-17 02:31:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 112.224 ms

Loss rate: 0.00%

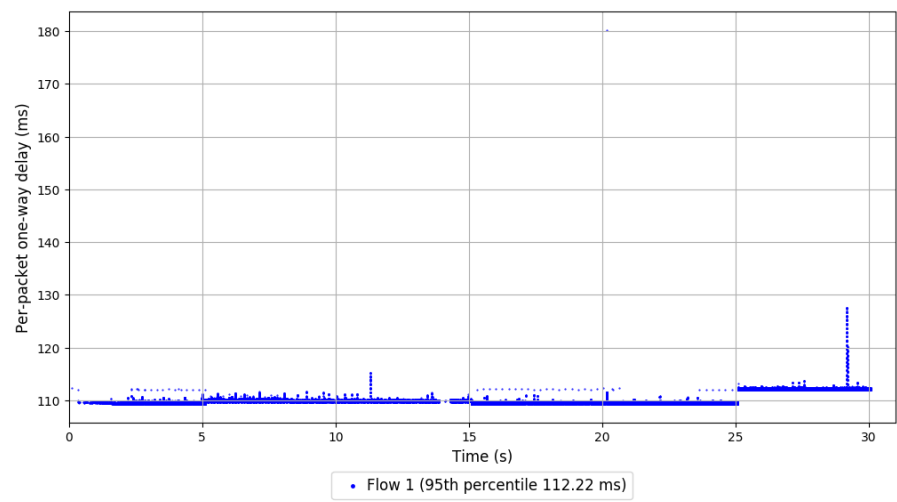
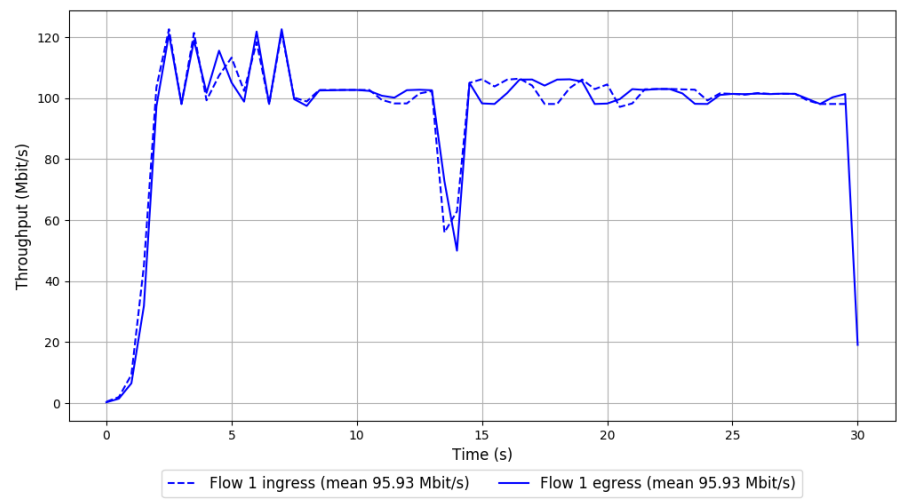
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 112.224 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-16 23:18:33

End at: 2018-04-16 23:19:03

# Below is generated by plot.py at 2018-04-17 02:31:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.88 Mbit/s

95th percentile per-packet one-way delay: 118.093 ms

Loss rate: 0.00%

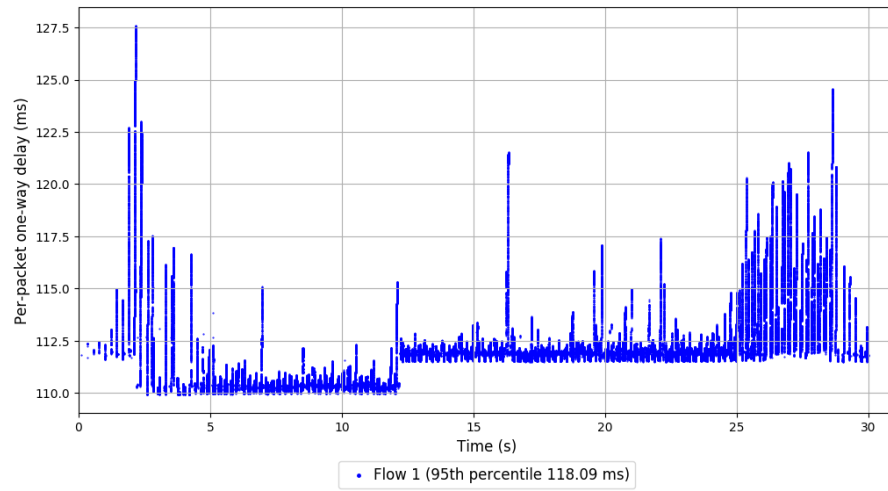
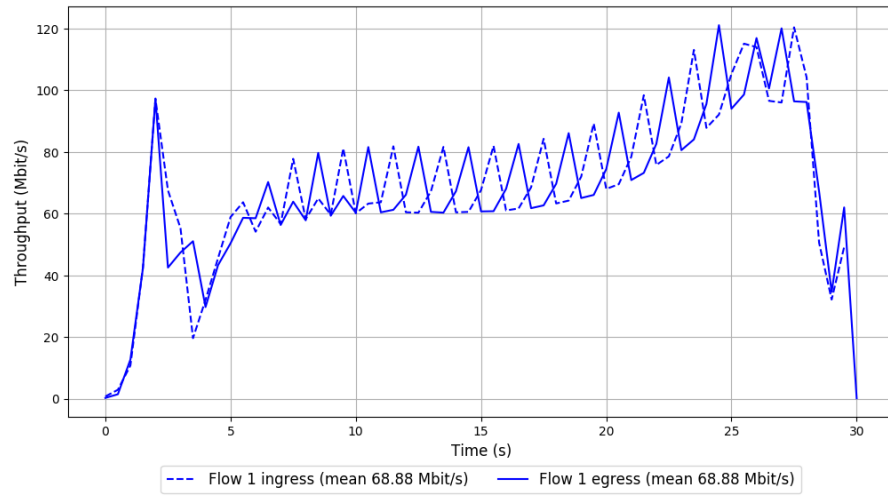
-- Flow 1:

Average throughput: 68.88 Mbit/s

95th percentile per-packet one-way delay: 118.093 ms

Loss rate: 0.00%

### Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-16 23:32:17

End at: 2018-04-16 23:32:47

# Below is generated by plot.py at 2018-04-17 02:31:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 104.34 Mbit/s

95th percentile per-packet one-way delay: 119.451 ms

Loss rate: 0.00%

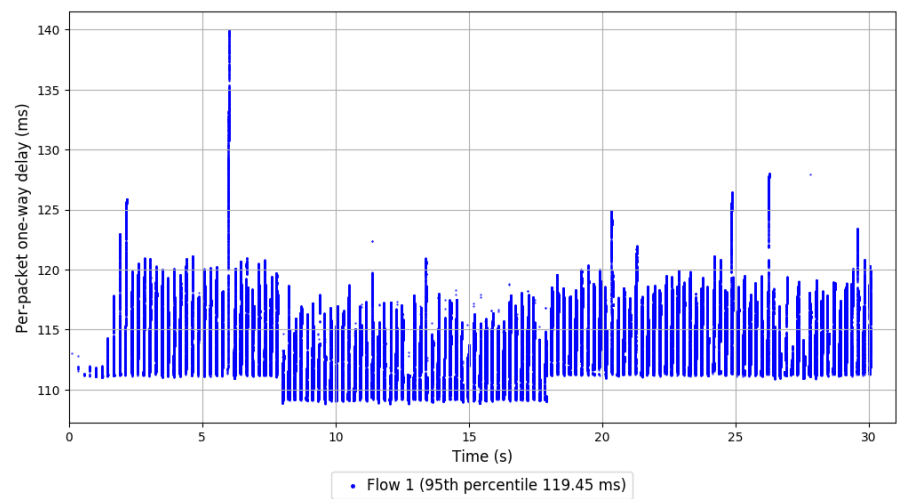
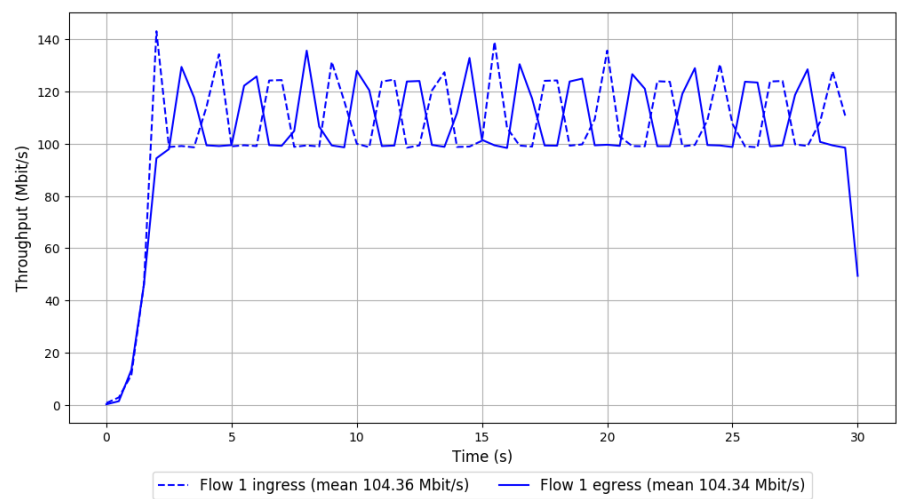
-- Flow 1:

Average throughput: 104.34 Mbit/s

95th percentile per-packet one-way delay: 119.451 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-16 23:46:16

End at: 2018-04-16 23:46:46

# Below is generated by plot.py at 2018-04-17 02:31:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 101.64 Mbit/s

95th percentile per-packet one-way delay: 119.594 ms

Loss rate: 0.00%

-- Flow 1:

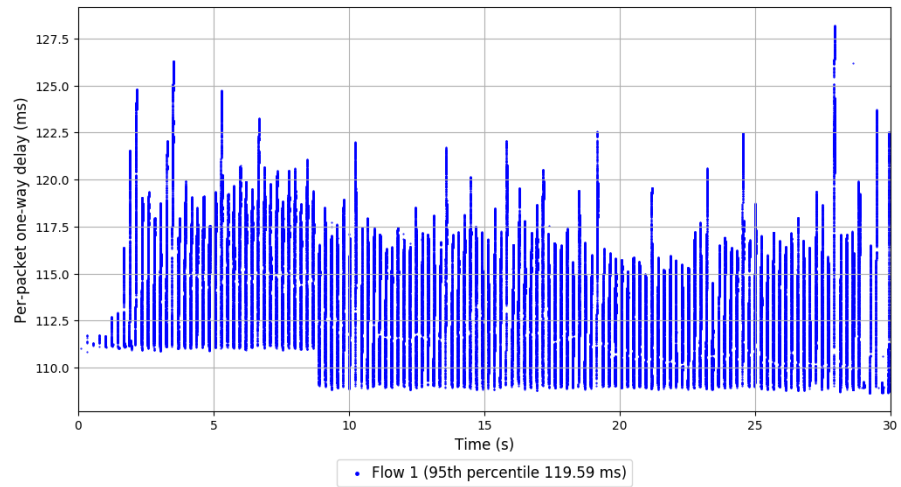
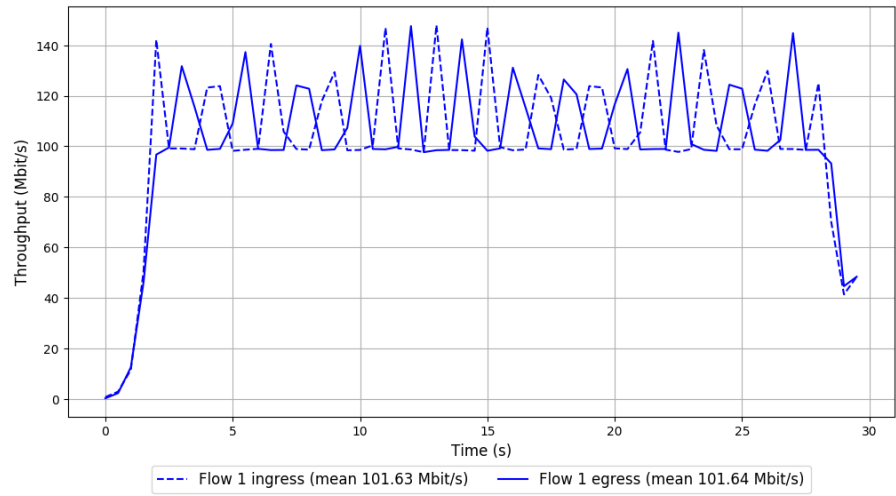
Average throughput: 101.64 Mbit/s

95th percentile per-packet one-way delay: 119.594 ms

Loss rate: 0.00%



### Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 00:00:38

End at: 2018-04-17 00:01:08

# Below is generated by plot.py at 2018-04-17 02:31:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 104.60 Mbit/s

95th percentile per-packet one-way delay: 118.698 ms

Loss rate: 0.00%

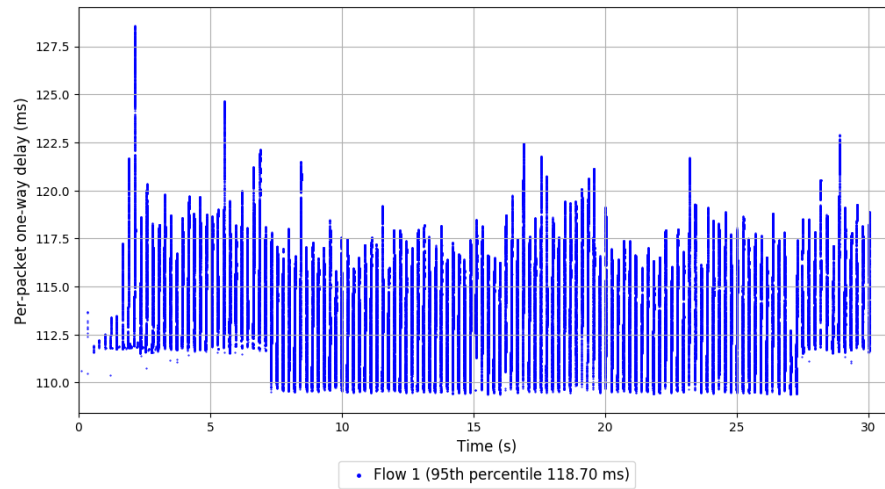
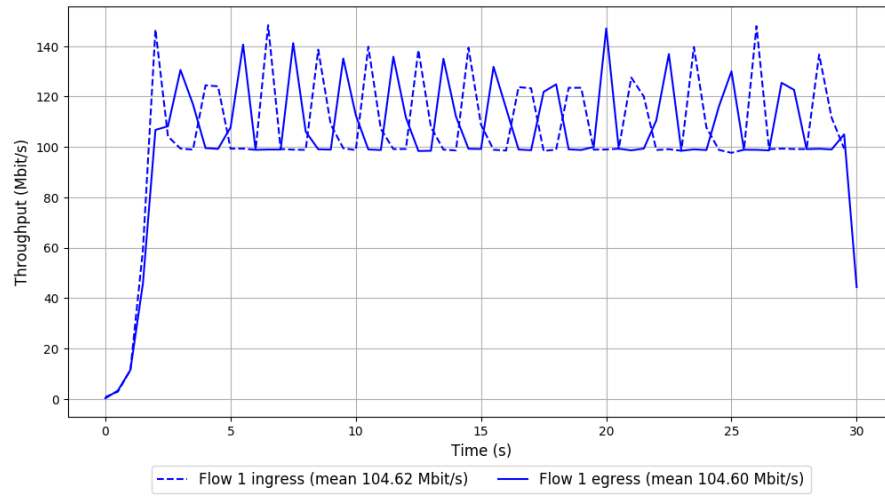
-- Flow 1:

Average throughput: 104.60 Mbit/s

95th percentile per-packet one-way delay: 118.698 ms

Loss rate: 0.00%

#### Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 00:14:34

End at: 2018-04-17 00:15:04

# Below is generated by plot.py at 2018-04-17 02:31:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 102.54 Mbit/s

95th percentile per-packet one-way delay: 120.378 ms

Loss rate: 0.04%

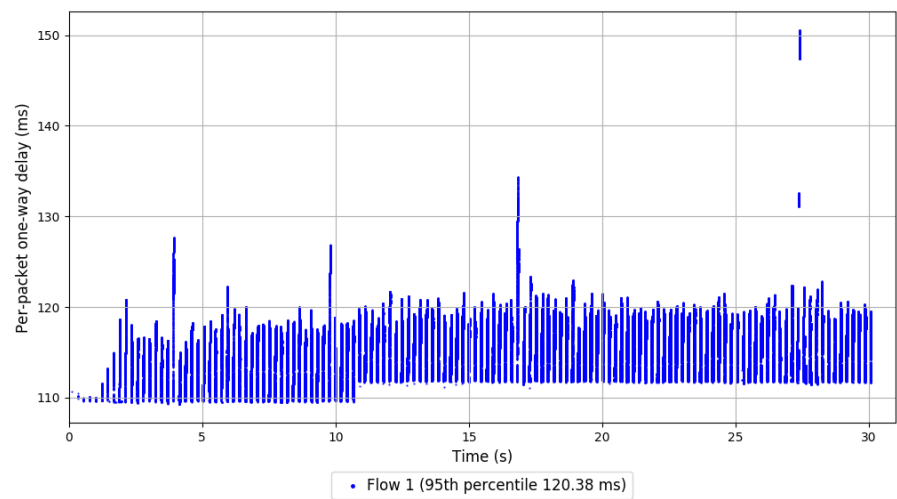
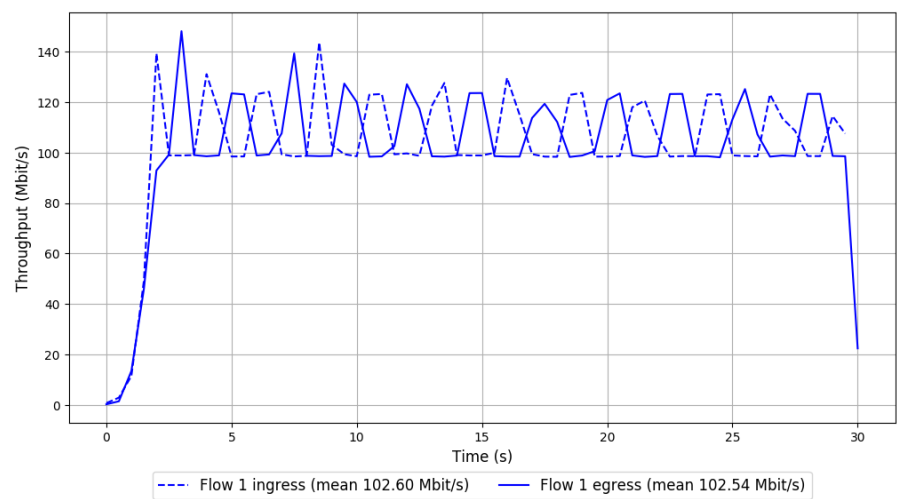
-- Flow 1:

Average throughput: 102.54 Mbit/s

95th percentile per-packet one-way delay: 120.378 ms

Loss rate: 0.04%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 00:28:17

End at: 2018-04-17 00:28:47

# Below is generated by plot.py at 2018-04-17 02:31:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 100.50 Mbit/s

95th percentile per-packet one-way delay: 120.427 ms

Loss rate: 0.00%

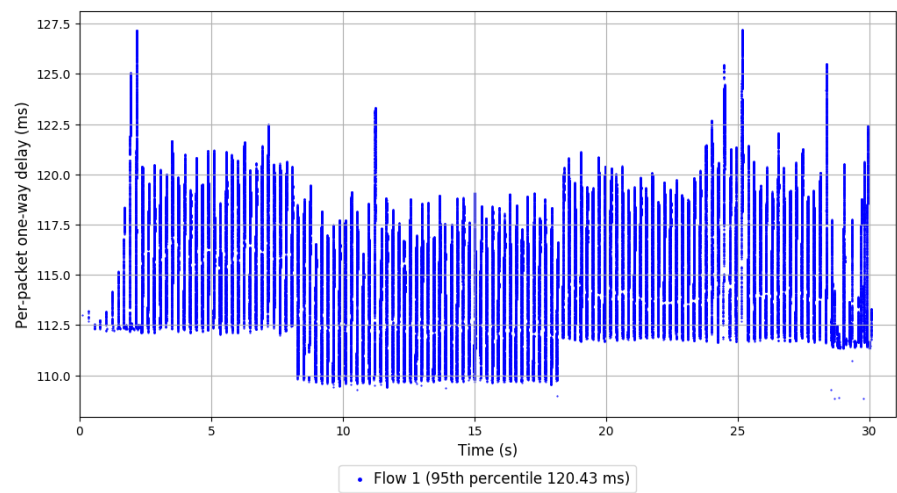
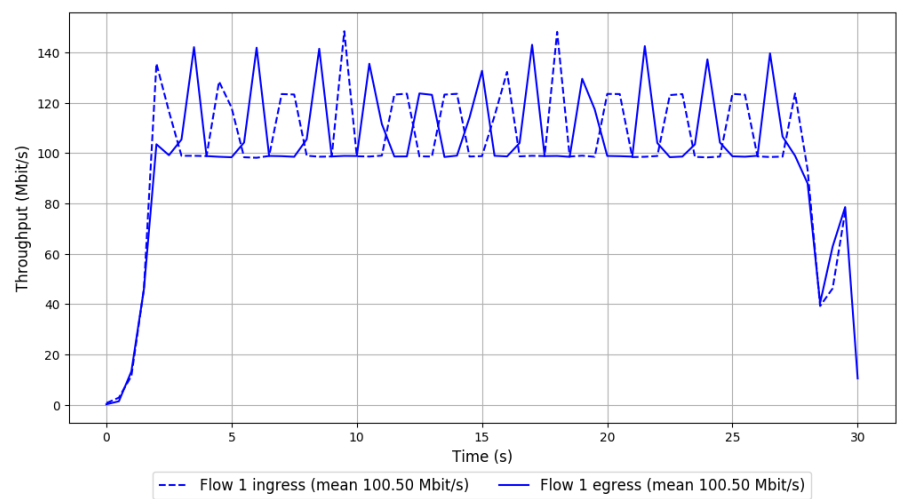
-- Flow 1:

Average throughput: 100.50 Mbit/s

95th percentile per-packet one-way delay: 120.427 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 00:42:35

End at: 2018-04-17 00:43:05

# Below is generated by plot.py at 2018-04-17 02:32:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.19 Mbit/s

95th percentile per-packet one-way delay: 120.567 ms

Loss rate: 0.00%

-- Flow 1:

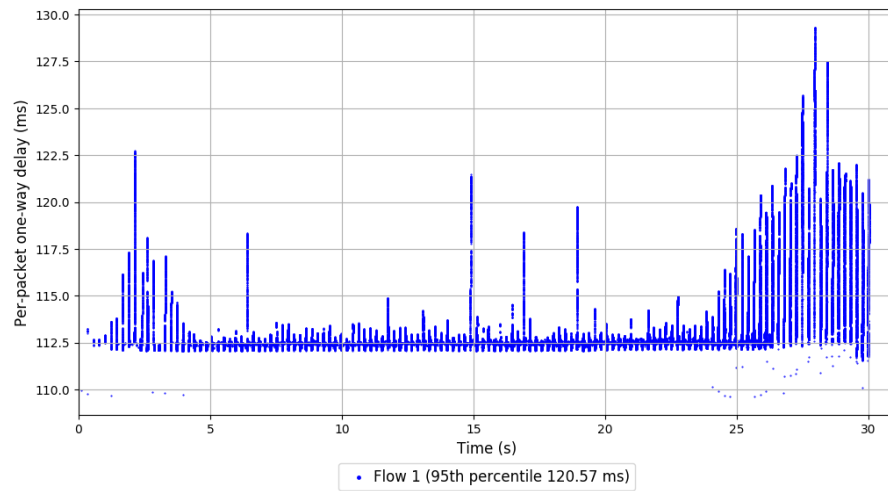
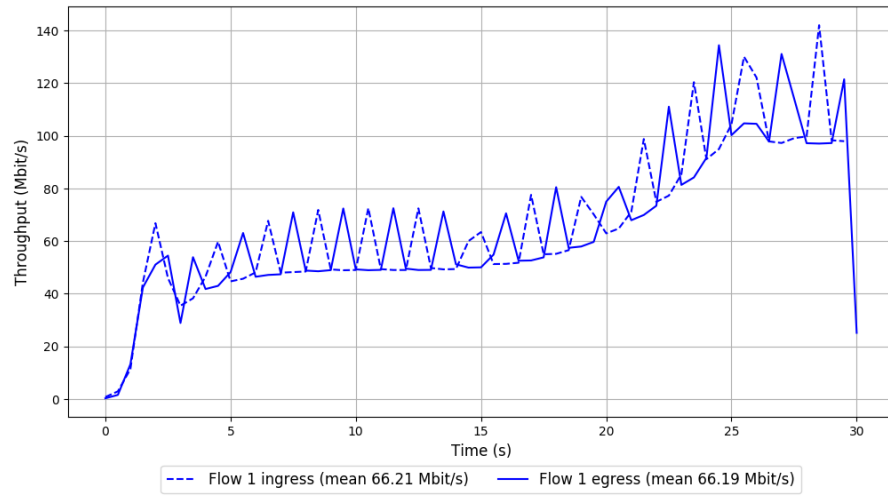
Average throughput: 66.19 Mbit/s

95th percentile per-packet one-way delay: 120.567 ms

Loss rate: 0.00%



## Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 00:56:16

End at: 2018-04-17 00:56:46

# Below is generated by plot.py at 2018-04-17 02:32:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.07 Mbit/s

95th percentile per-packet one-way delay: 119.673 ms

Loss rate: 0.00%

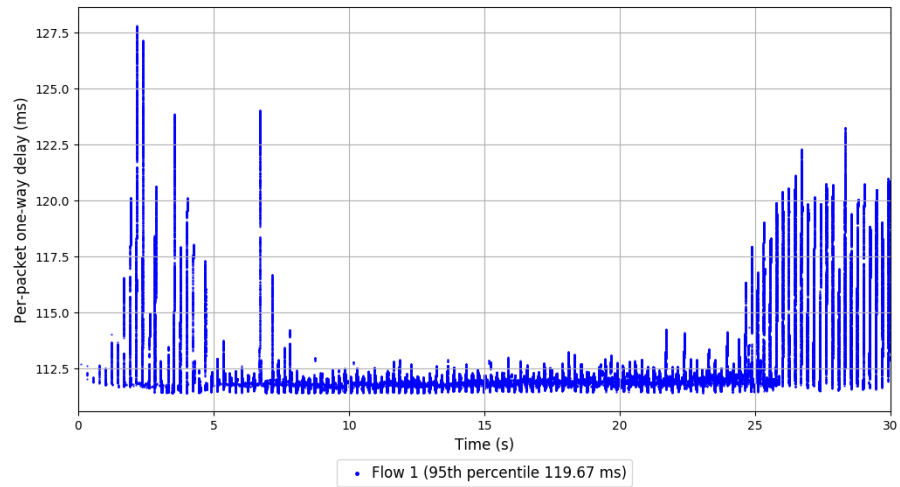
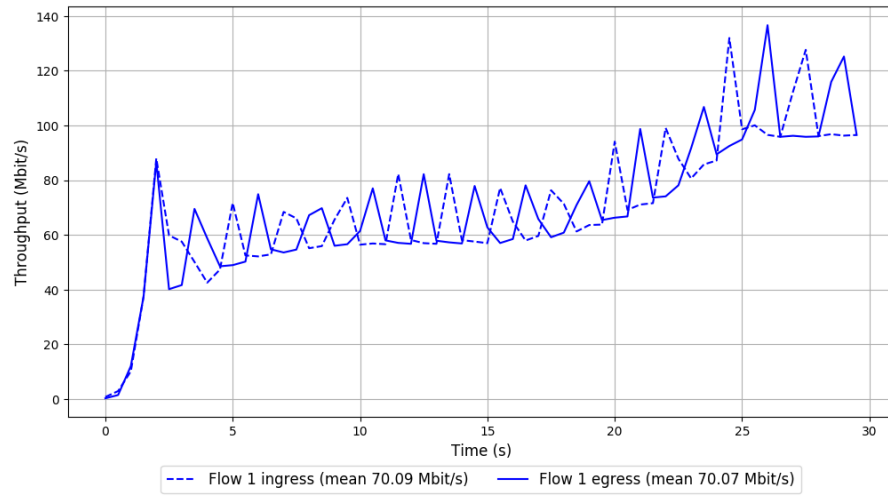
-- Flow 1:

Average throughput: 70.07 Mbit/s

95th percentile per-packet one-way delay: 119.673 ms

Loss rate: 0.00%

### Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 01:10:46

End at: 2018-04-17 01:11:16

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.04 Mbit/s

95th percentile per-packet one-way delay: 115.361 ms

Loss rate: 0.00%

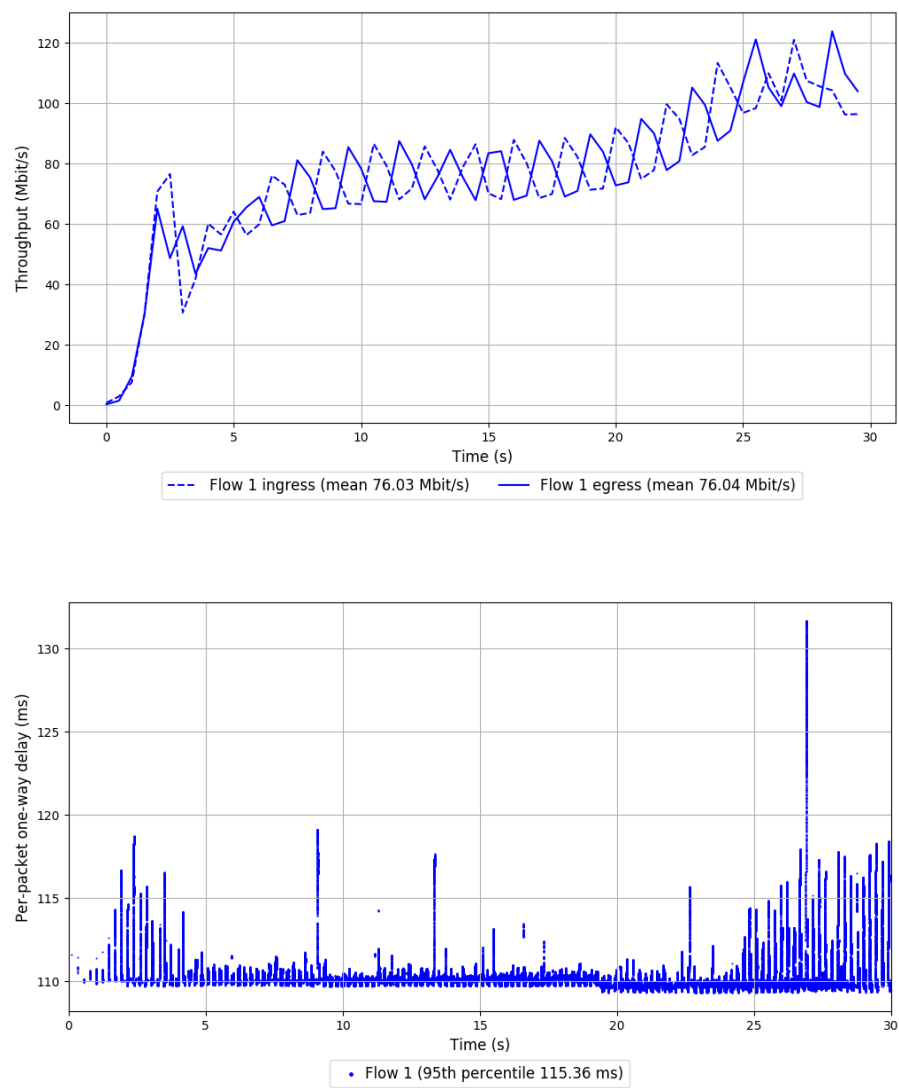
-- Flow 1:

Average throughput: 76.04 Mbit/s

95th percentile per-packet one-way delay: 115.361 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 01:24:33

End at: 2018-04-17 01:25:04

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 120.457 ms

Loss rate: 0.08%

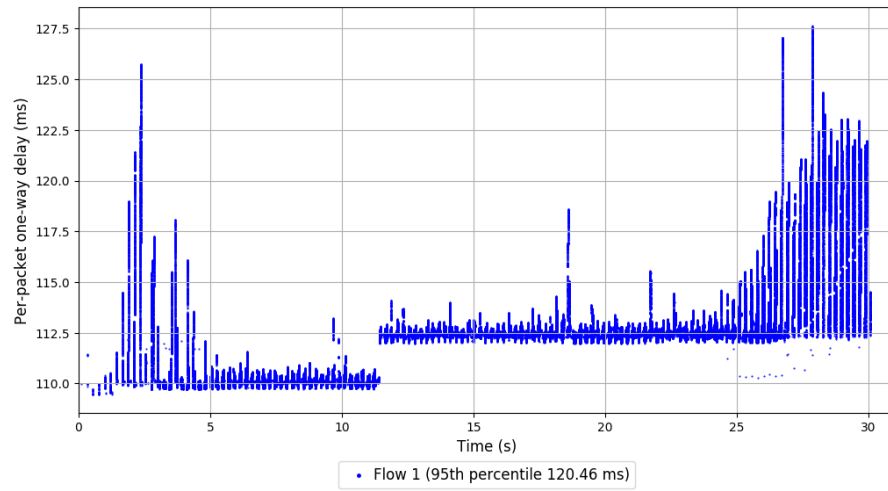
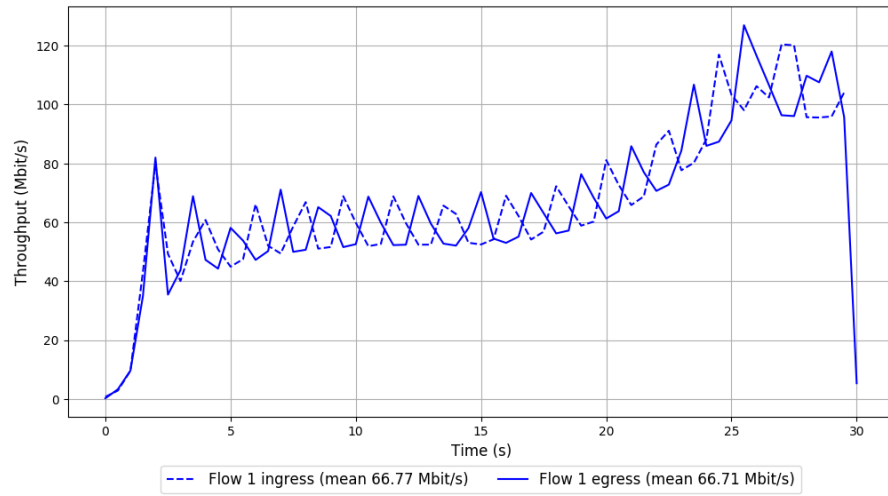
-- Flow 1:

Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 120.457 ms

Loss rate: 0.08%

### Run 10: Report of TCP Cubic — Data Link



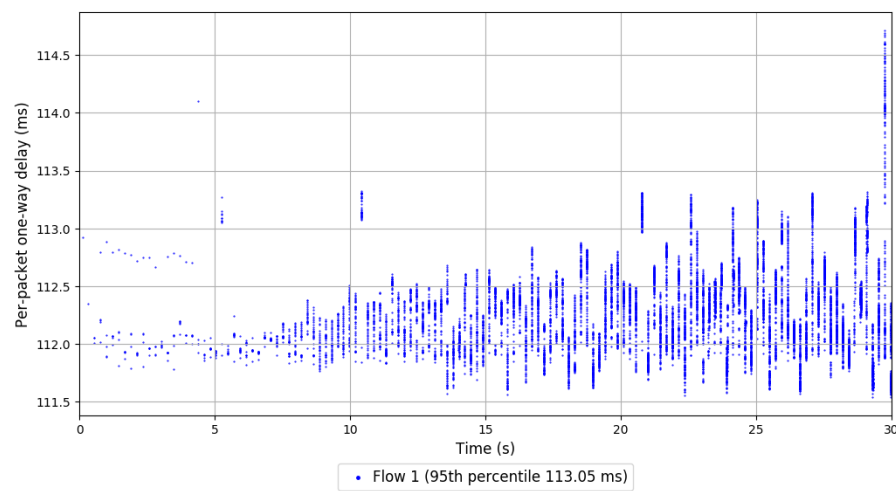
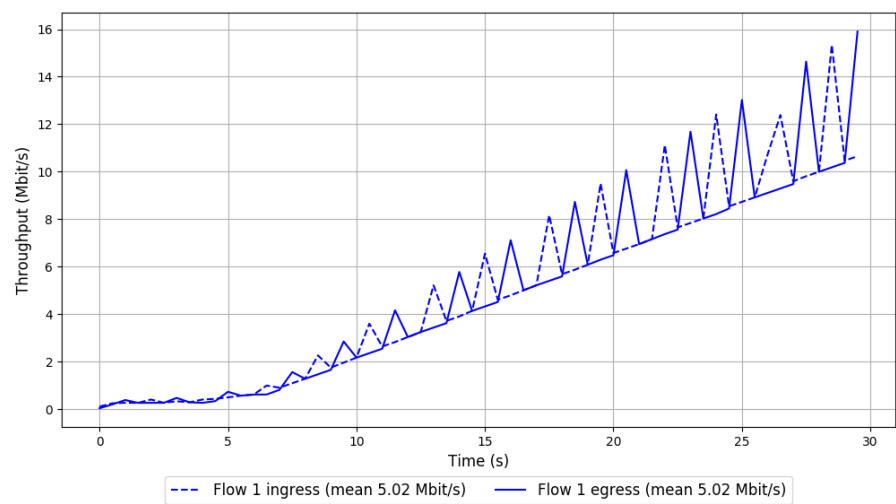
```
Run 1: Statistics of LEDBAT

Start at: 2018-04-16 23:13:00
End at: 2018-04-16 23:13:30

# Below is generated by plot.py at 2018-04-17 02:32:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 113.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 113.048 ms
Loss rate: 0.00%
```



Run 1: Report of LEDBAT — Data Link

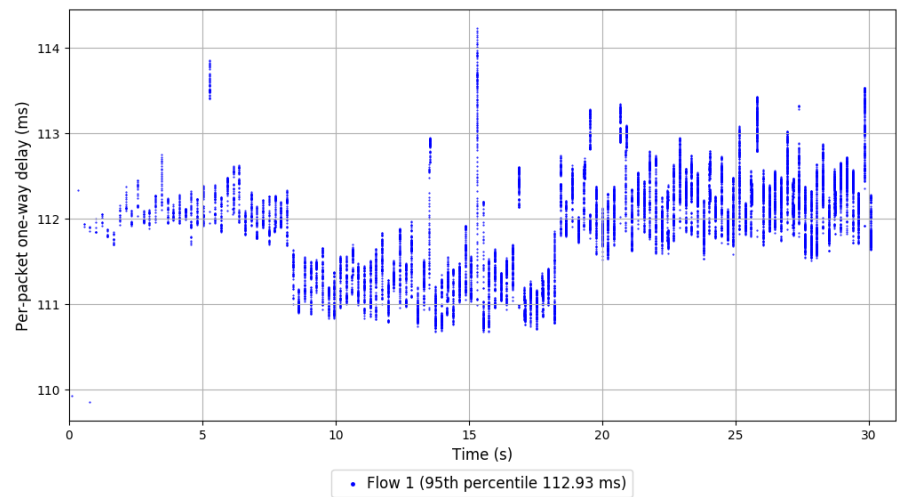
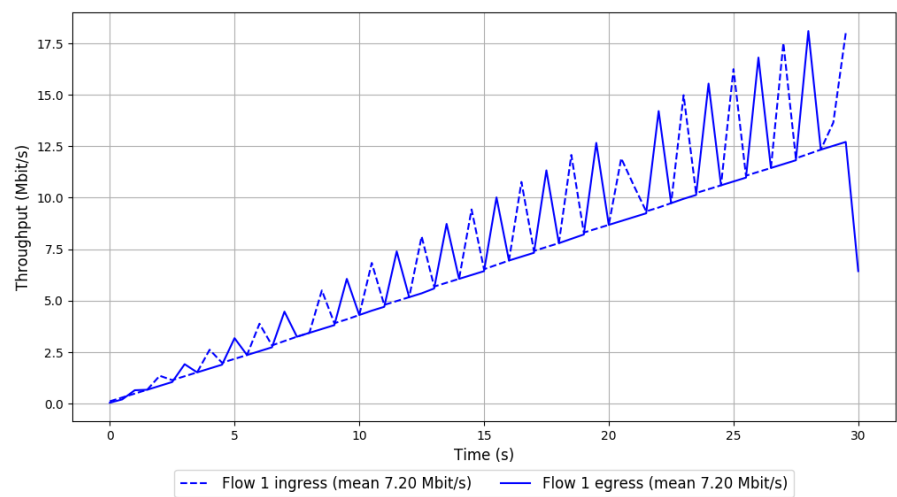


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-16 23:26:47
End at: 2018-04-16 23:27:17

# Below is generated by plot.py at 2018-04-17 02:32:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 112.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 112.927 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-16 23:40:35

End at: 2018-04-16 23:41:05

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 112.117 ms

Loss rate: 0.00%

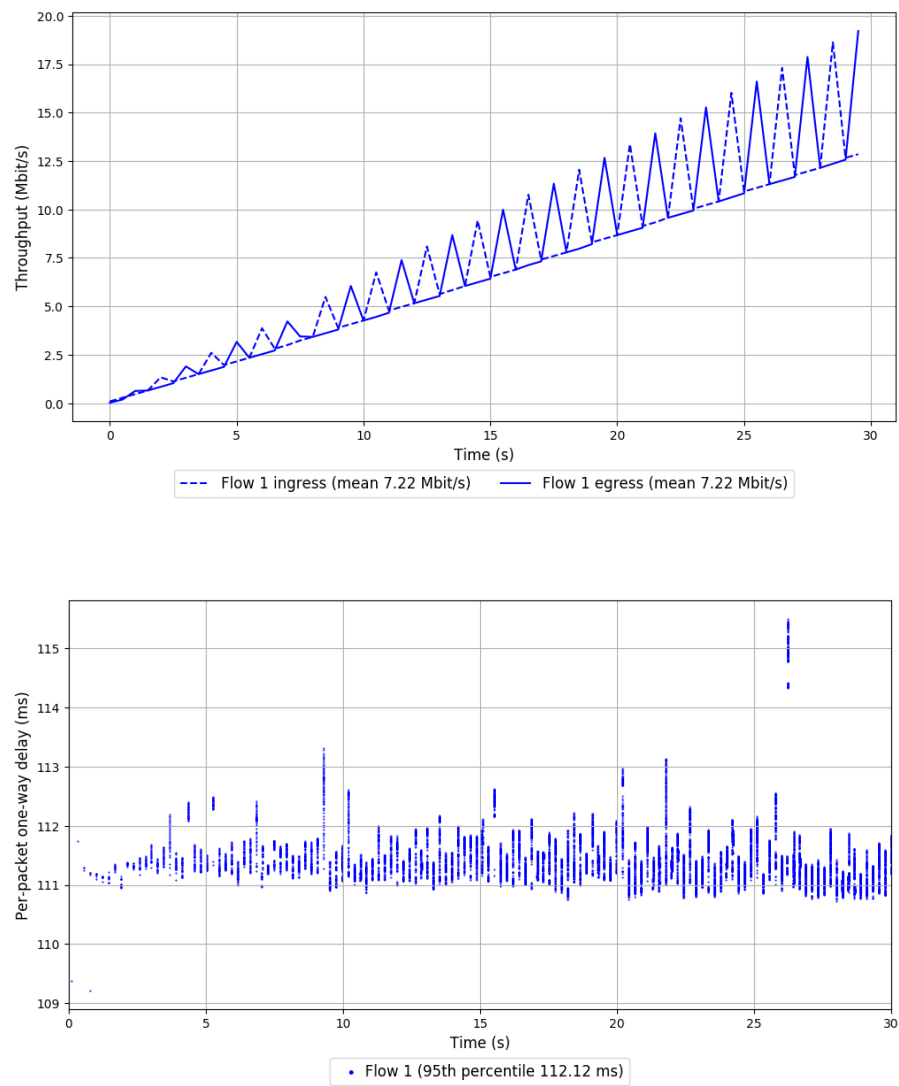
-- Flow 1:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 112.117 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-16 23:54:58

End at: 2018-04-16 23:55:28

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.98 Mbit/s

95th percentile per-packet one-way delay: 112.503 ms

Loss rate: 0.00%

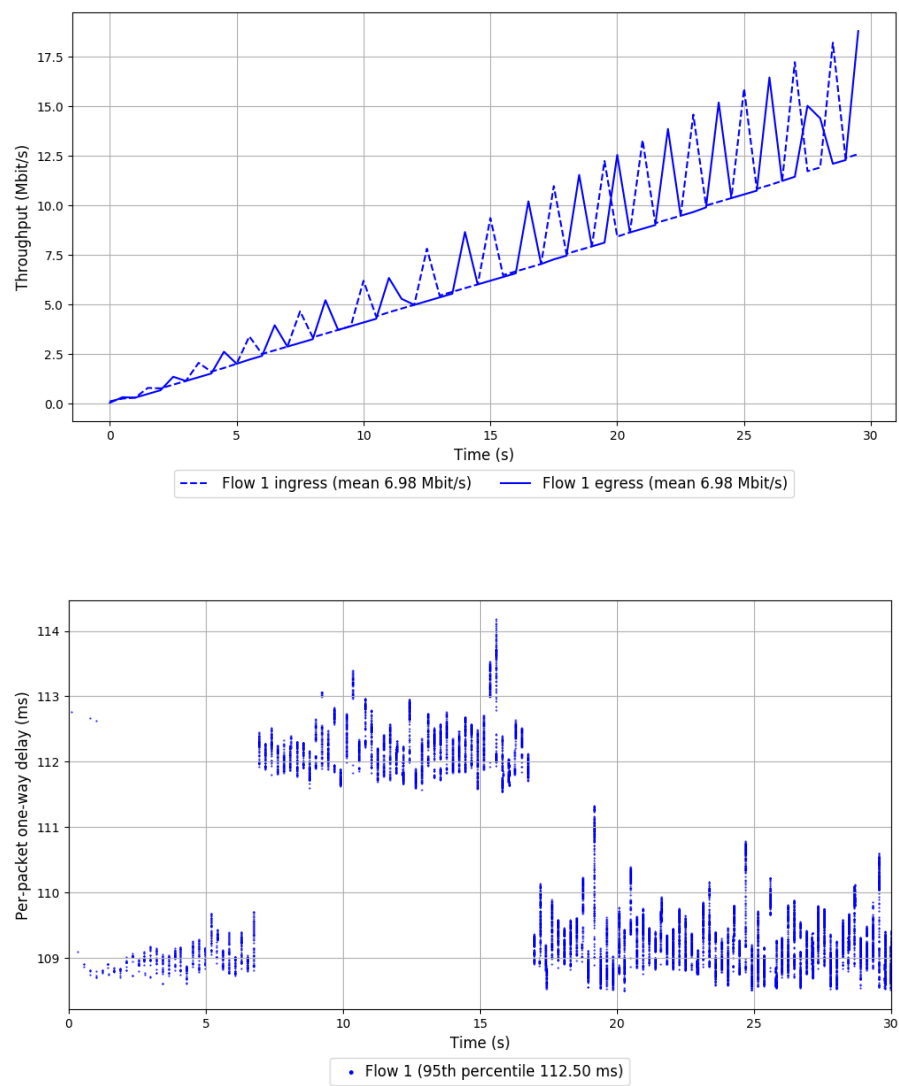
-- Flow 1:

Average throughput: 6.98 Mbit/s

95th percentile per-packet one-way delay: 112.503 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 00:08:57

End at: 2018-04-17 00:09:27

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 111.988 ms

Loss rate: 0.00%

-- Flow 1:

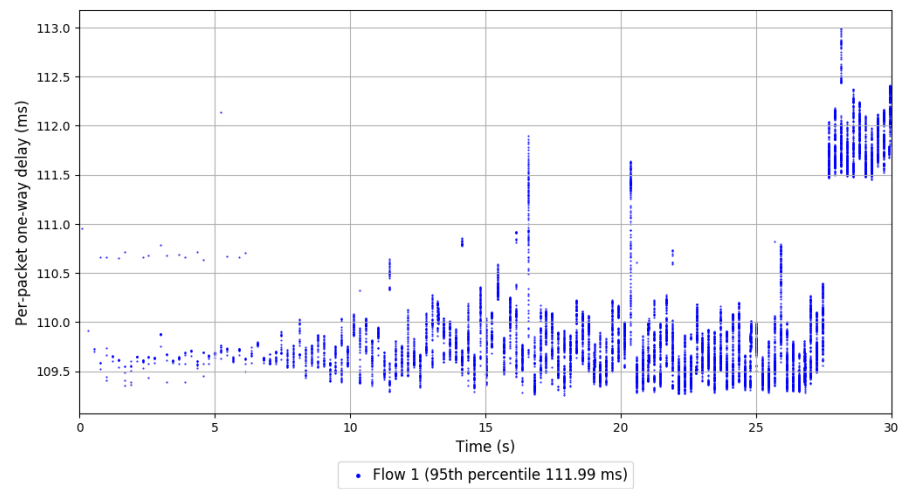
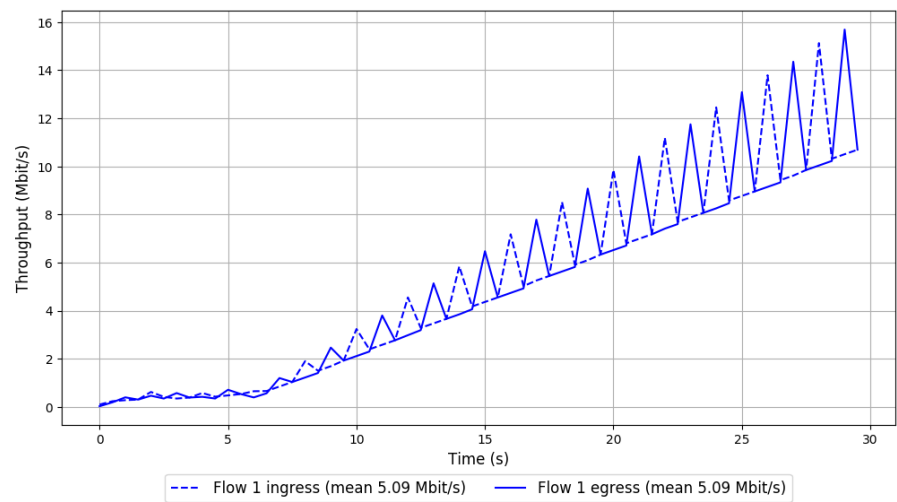
Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 111.988 ms

Loss rate: 0.00%



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 00:22:46

End at: 2018-04-17 00:23:16

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 113.023 ms

Loss rate: 0.00%

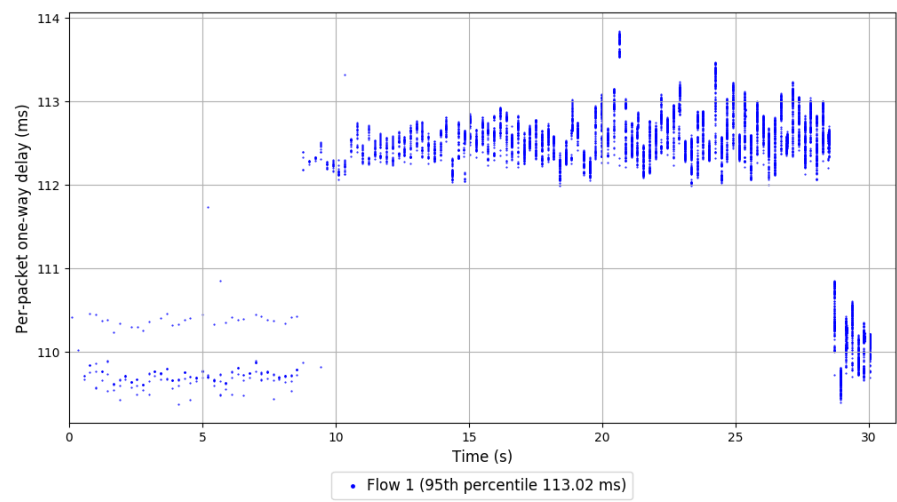
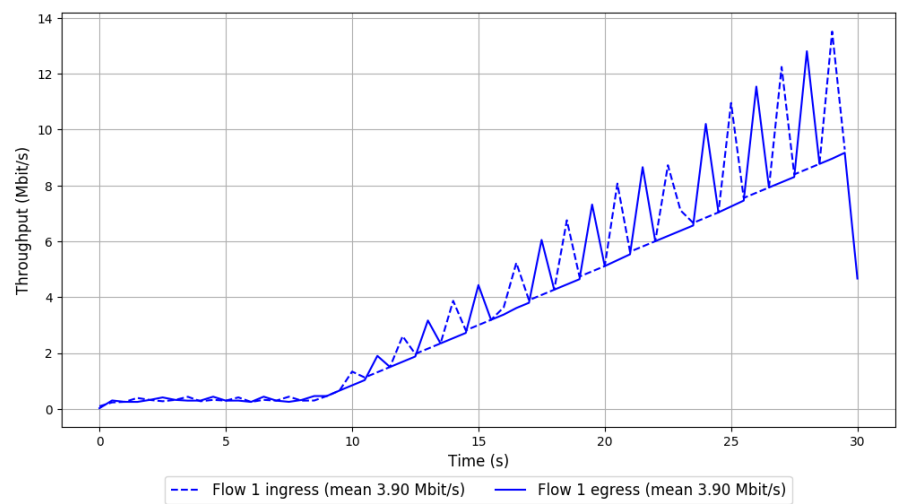
-- Flow 1:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 113.023 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-17 00:36:48

End at: 2018-04-17 00:37:18

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 112.298 ms

Loss rate: 0.00%

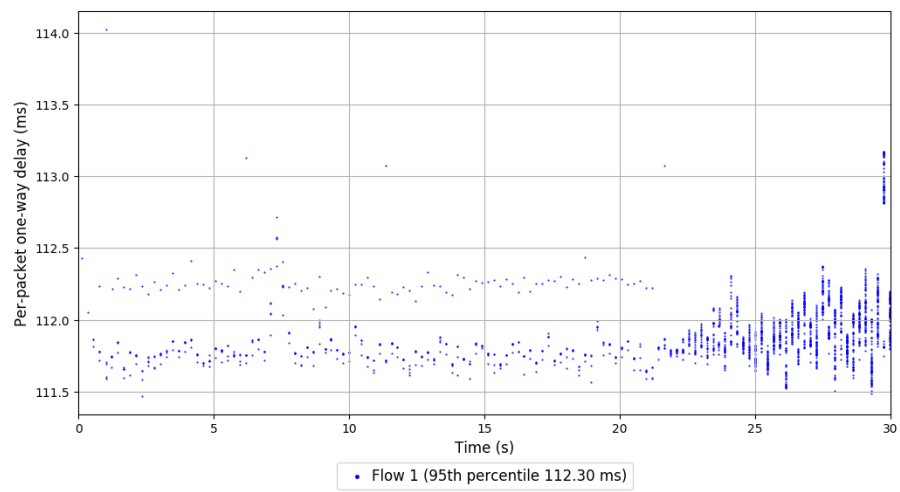
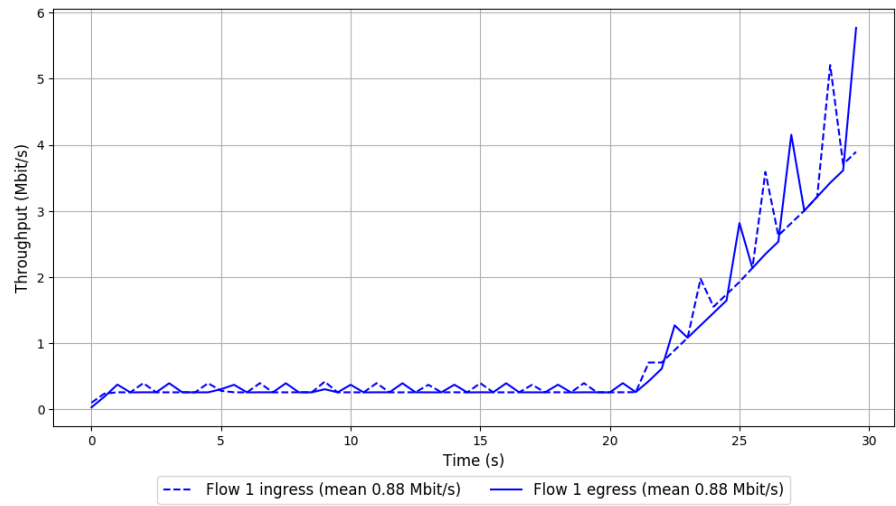
-- Flow 1:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 112.298 ms

Loss rate: 0.00%

### Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-17 00:50:44

End at: 2018-04-17 00:51:14

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 113.404 ms

Loss rate: 0.00%

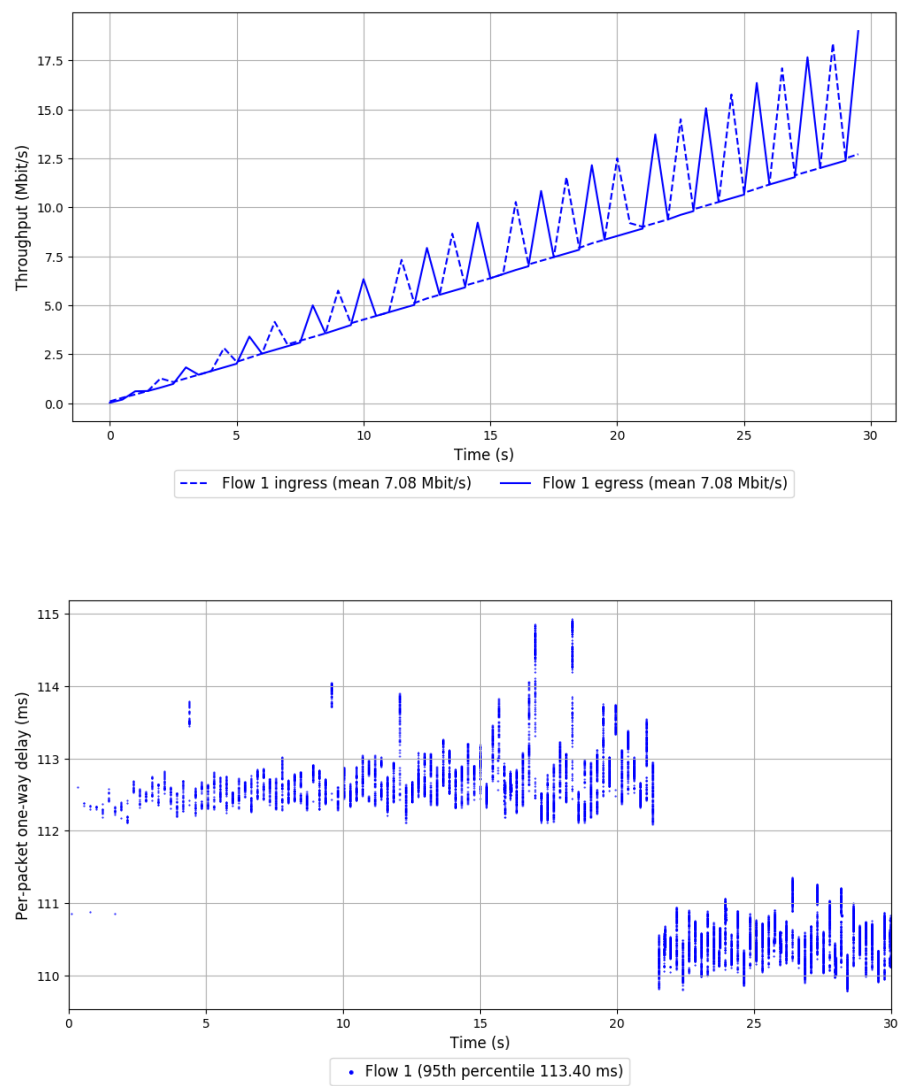
-- Flow 1:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 113.404 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-17 01:05:12

End at: 2018-04-17 01:05:42

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 113.630 ms

Loss rate: 0.00%

-- Flow 1:

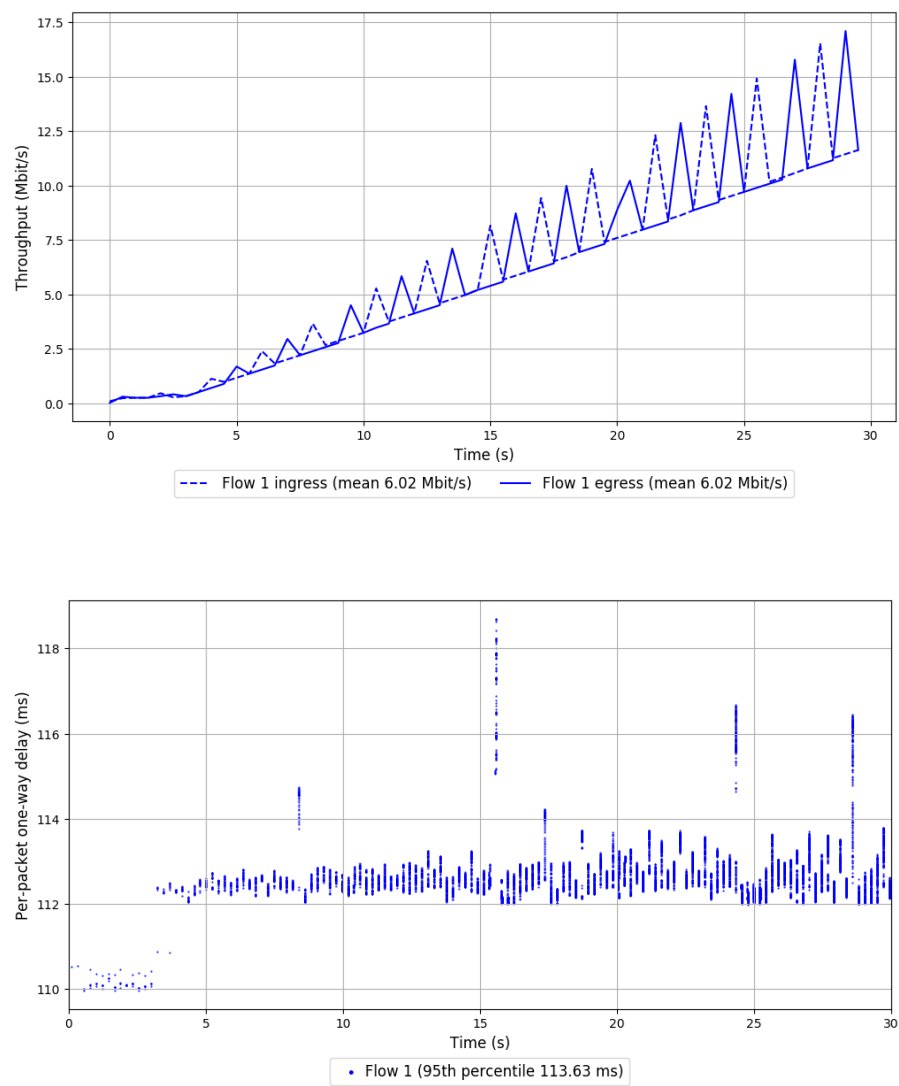
Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 113.630 ms

Loss rate: 0.00%



Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 01:18:57

End at: 2018-04-17 01:19:27

# Below is generated by plot.py at 2018-04-17 02:32:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 112.691 ms

Loss rate: 0.00%

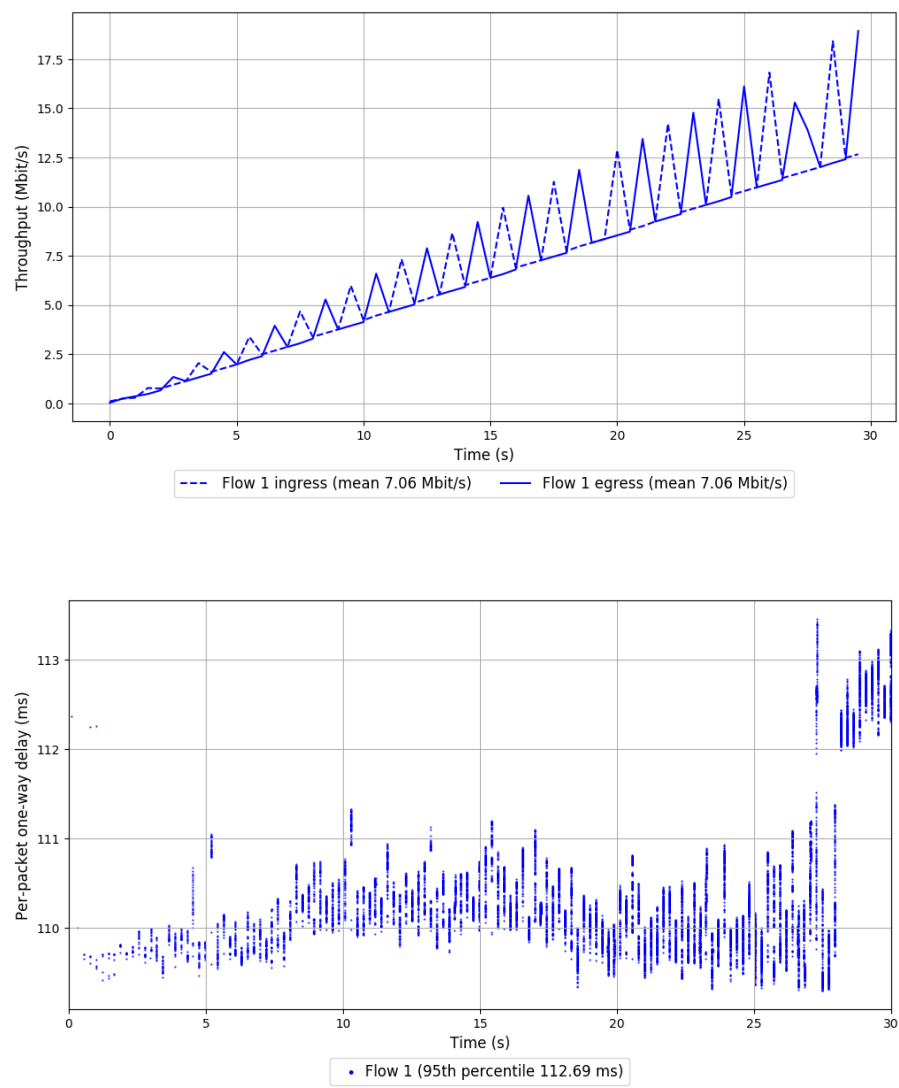
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 112.691 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

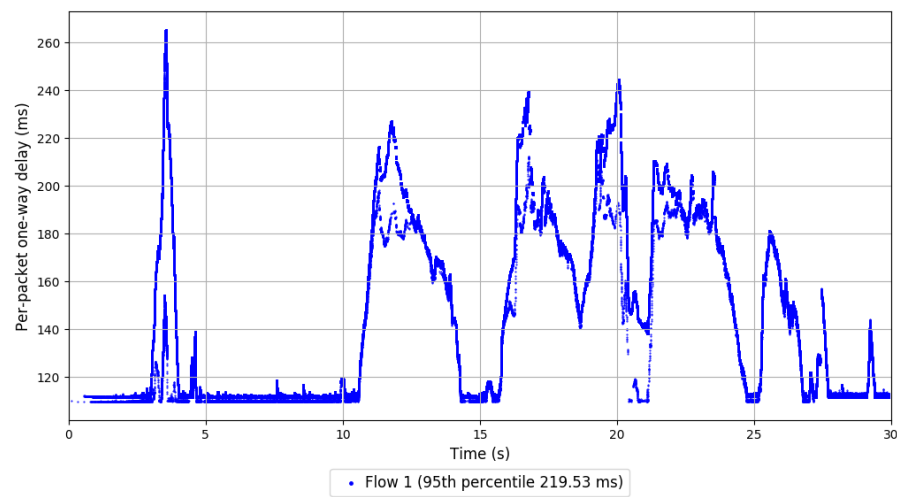
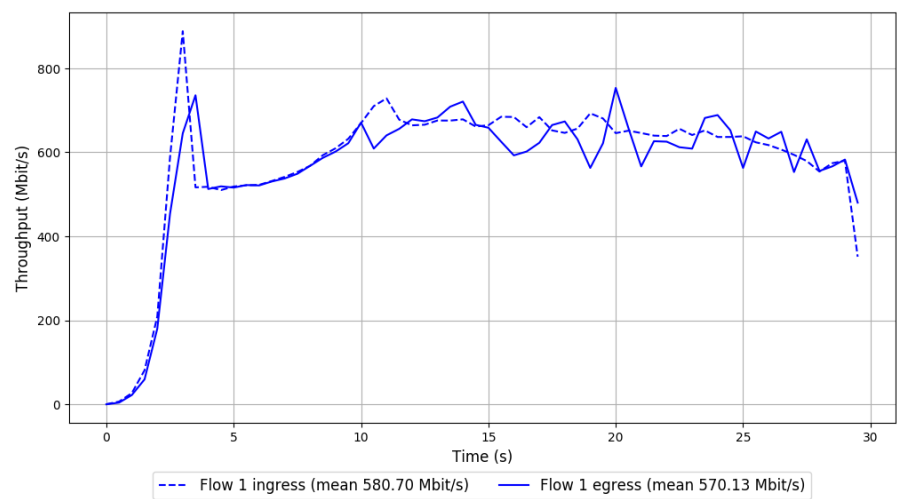


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-16 23:11:57
End at: 2018-04-16 23:12:28

# Below is generated by plot.py at 2018-04-17 02:41:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 570.13 Mbit/s
95th percentile per-packet one-way delay: 219.531 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 570.13 Mbit/s
95th percentile per-packet one-way delay: 219.531 ms
Loss rate: 1.81%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-16 23:25:43

End at: 2018-04-16 23:26:14

# Below is generated by plot.py at 2018-04-17 02:41:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 556.29 Mbit/s

95th percentile per-packet one-way delay: 180.217 ms

Loss rate: 1.24%

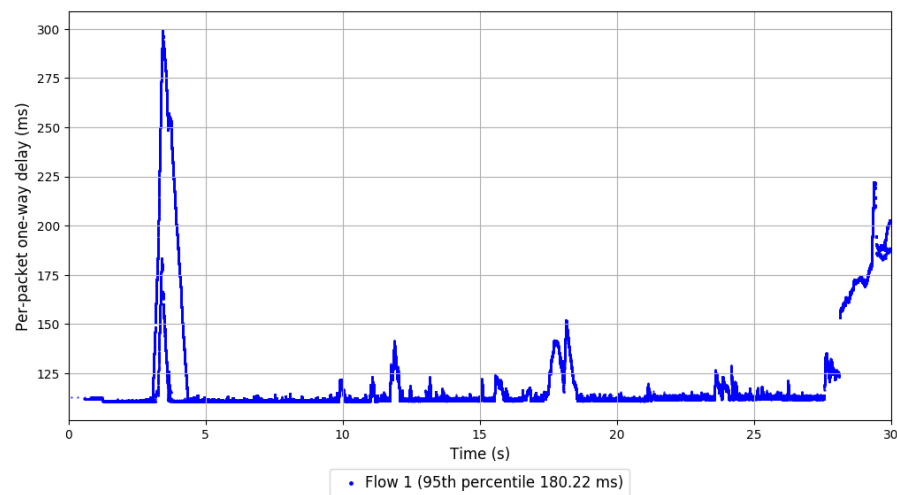
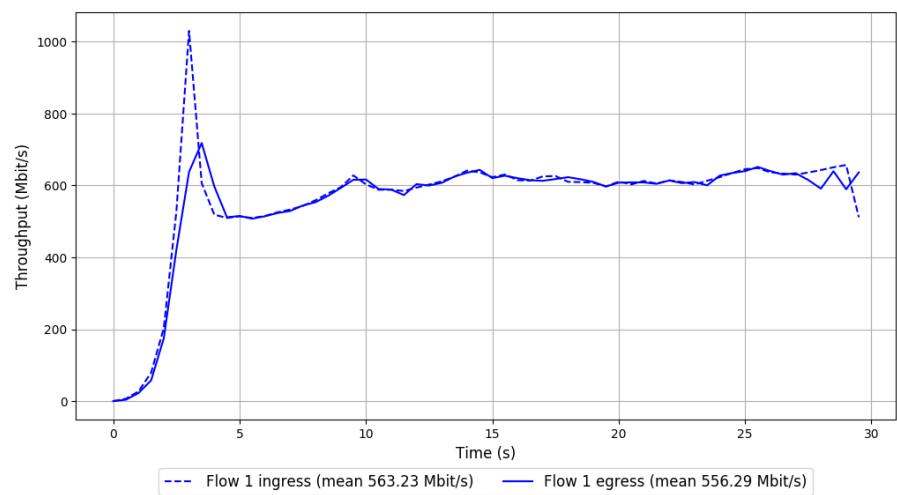
-- Flow 1:

Average throughput: 556.29 Mbit/s

95th percentile per-packet one-way delay: 180.217 ms

Loss rate: 1.24%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-16 23:39:33

End at: 2018-04-16 23:40:03

# Below is generated by plot.py at 2018-04-17 02:41:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 532.34 Mbit/s

95th percentile per-packet one-way delay: 178.025 ms

Loss rate: 0.73%

-- Flow 1:

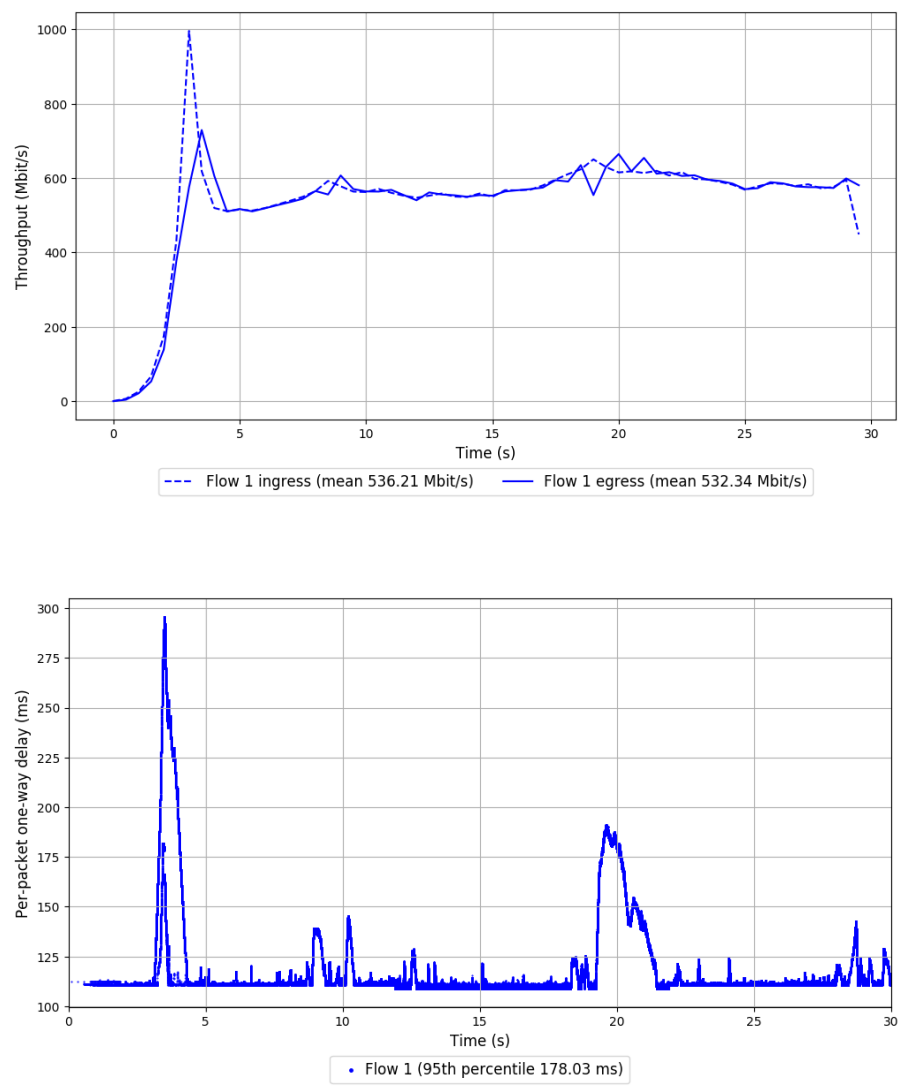
Average throughput: 532.34 Mbit/s

95th percentile per-packet one-way delay: 178.025 ms

Loss rate: 0.73%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-16 23:53:56

End at: 2018-04-16 23:54:26

# Below is generated by plot.py at 2018-04-17 02:41:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 522.38 Mbit/s

95th percentile per-packet one-way delay: 194.540 ms

Loss rate: 1.77%

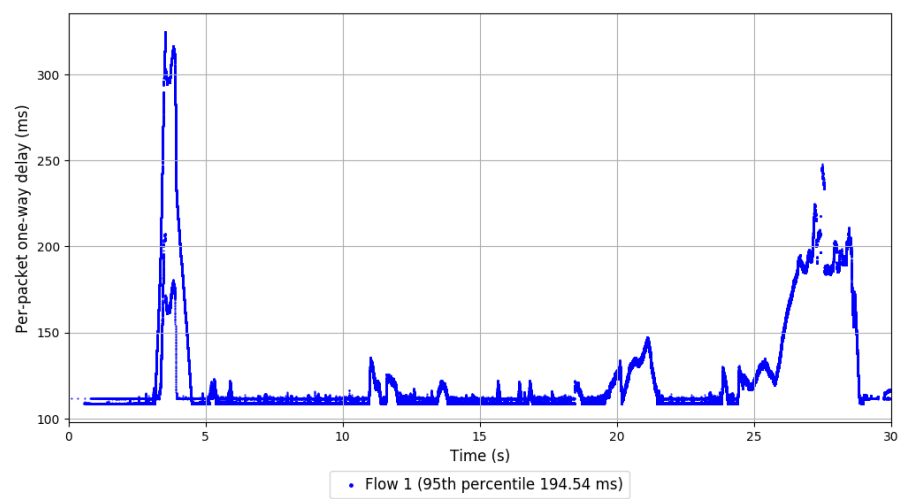
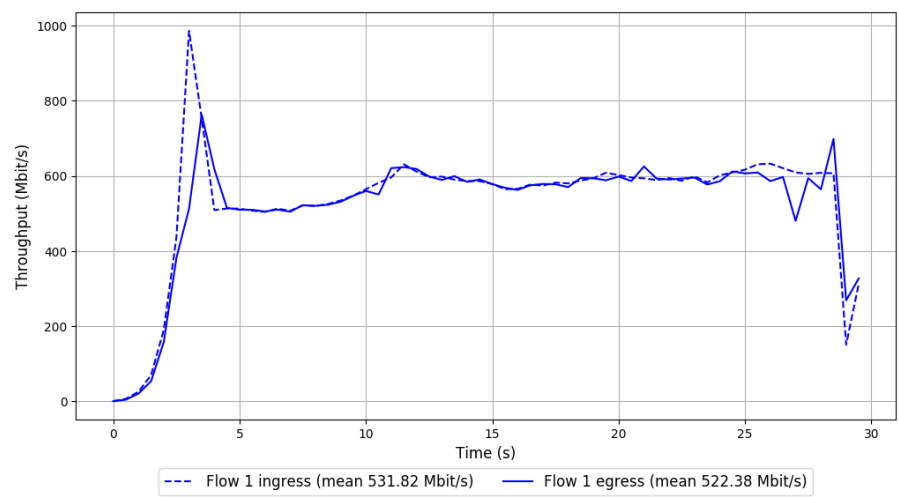
-- Flow 1:

Average throughput: 522.38 Mbit/s

95th percentile per-packet one-way delay: 194.540 ms

Loss rate: 1.77%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 00:07:59

End at: 2018-04-17 00:08:29

# Below is generated by plot.py at 2018-04-17 02:41:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 431.19 Mbit/s

95th percentile per-packet one-way delay: 237.842 ms

Loss rate: 0.96%

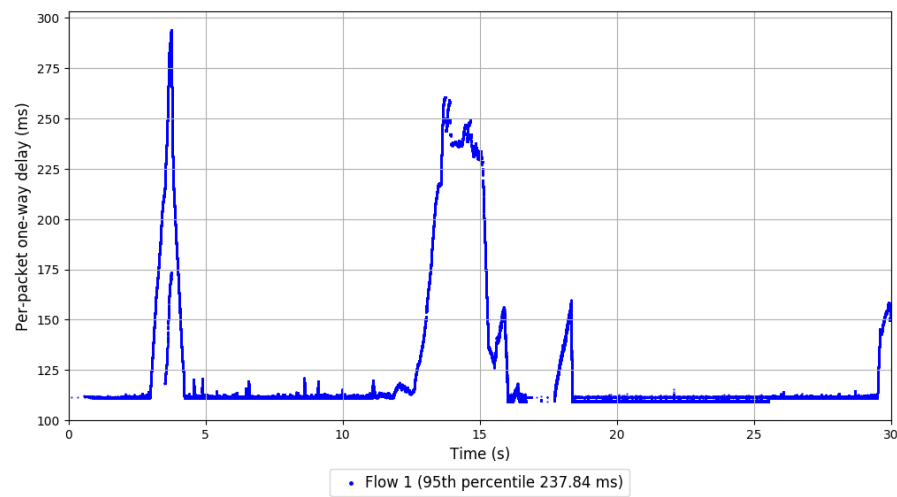
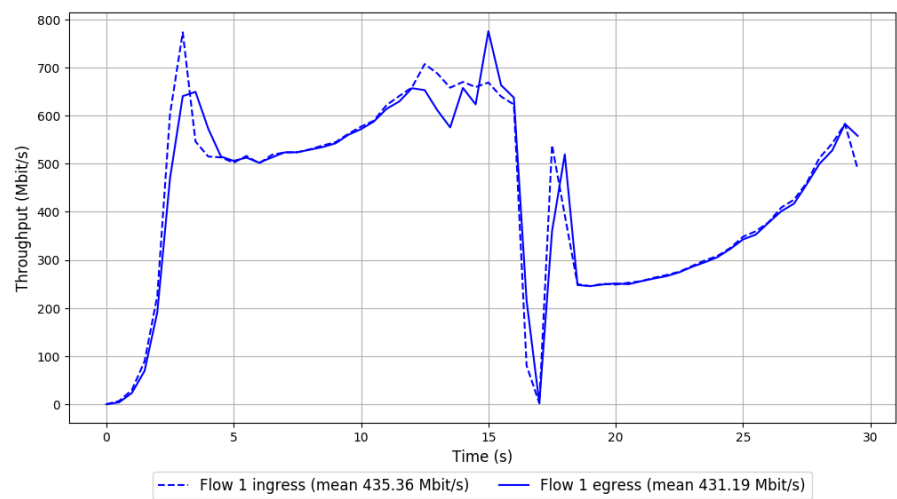
-- Flow 1:

Average throughput: 431.19 Mbit/s

95th percentile per-packet one-way delay: 237.842 ms

Loss rate: 0.96%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 00:21:44

End at: 2018-04-17 00:22:14

# Below is generated by plot.py at 2018-04-17 02:41:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 528.98 Mbit/s

95th percentile per-packet one-way delay: 183.151 ms

Loss rate: 0.96%

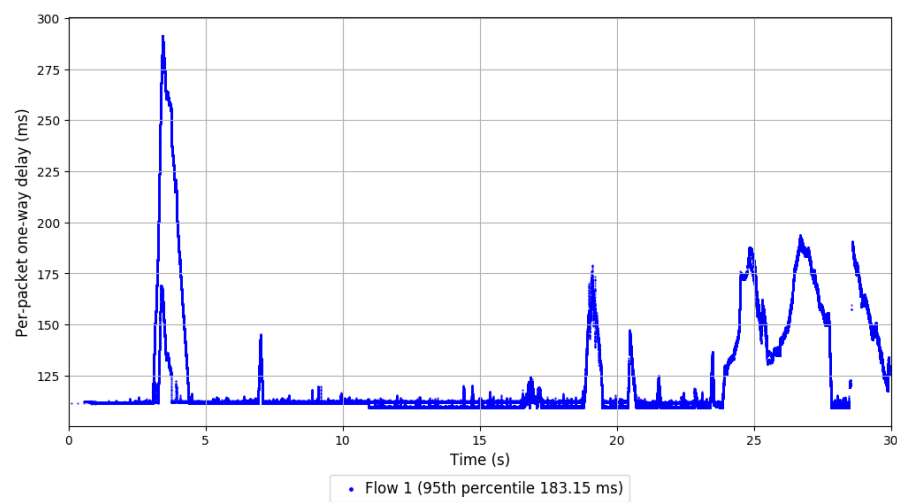
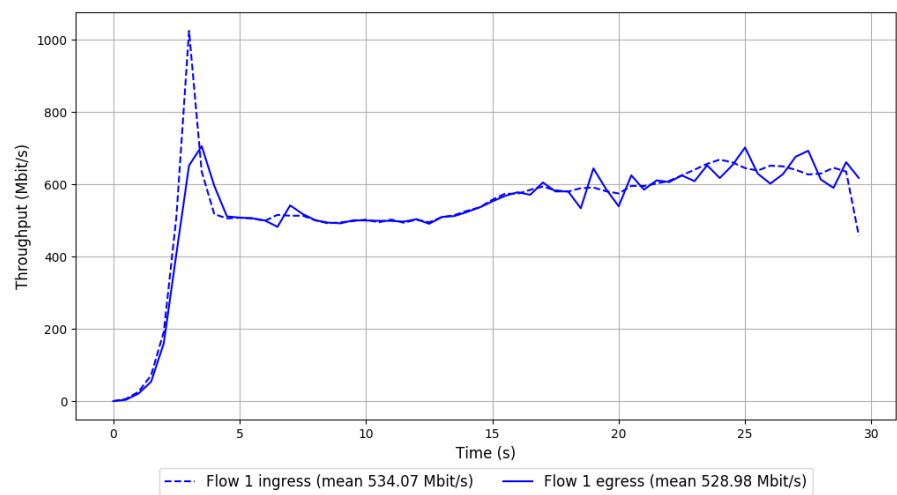
-- Flow 1:

Average throughput: 528.98 Mbit/s

95th percentile per-packet one-way delay: 183.151 ms

Loss rate: 0.96%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 00:35:47

End at: 2018-04-17 00:36:17

# Below is generated by plot.py at 2018-04-17 02:41:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 519.02 Mbit/s

95th percentile per-packet one-way delay: 130.420 ms

Loss rate: 0.74%

-- Flow 1:

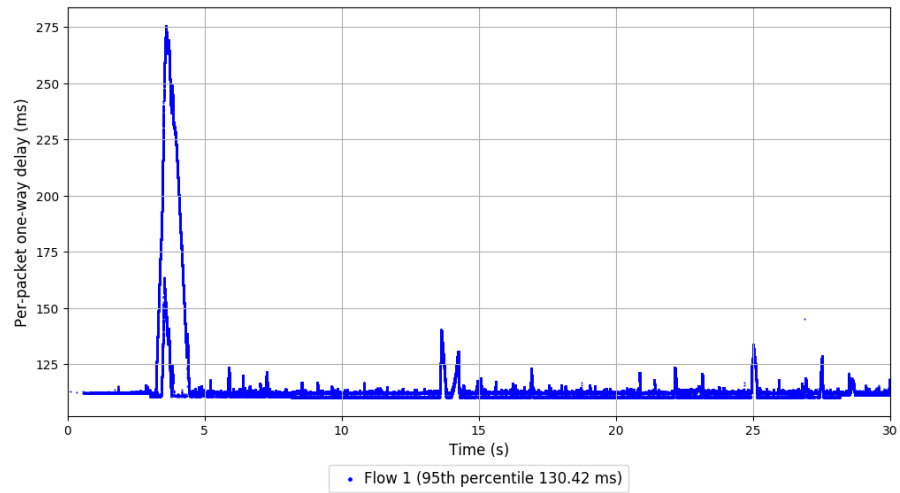
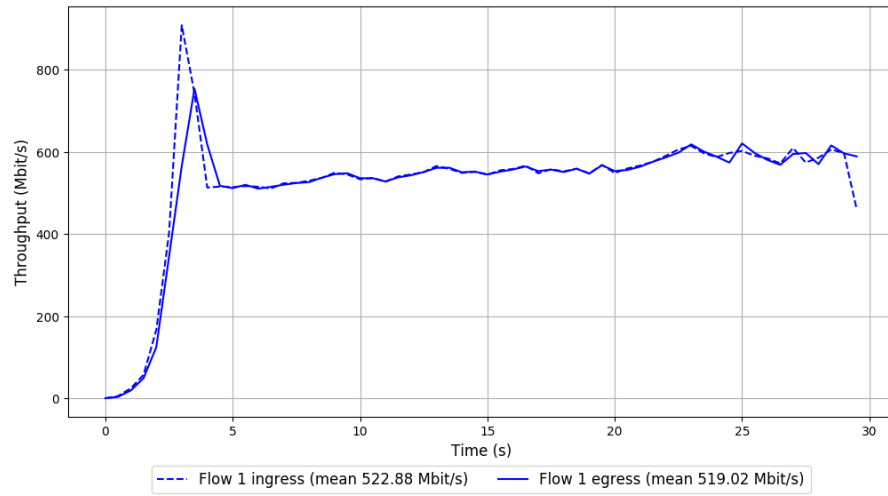
Average throughput: 519.02 Mbit/s

95th percentile per-packet one-way delay: 130.420 ms

Loss rate: 0.74%



## Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 00:49:43

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

# Below is generated by plot.py at 2018-04-17 02:41:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 525.92 Mbit/s

95th percentile per-packet one-way delay: 180.670 ms

Loss rate: 0.82%

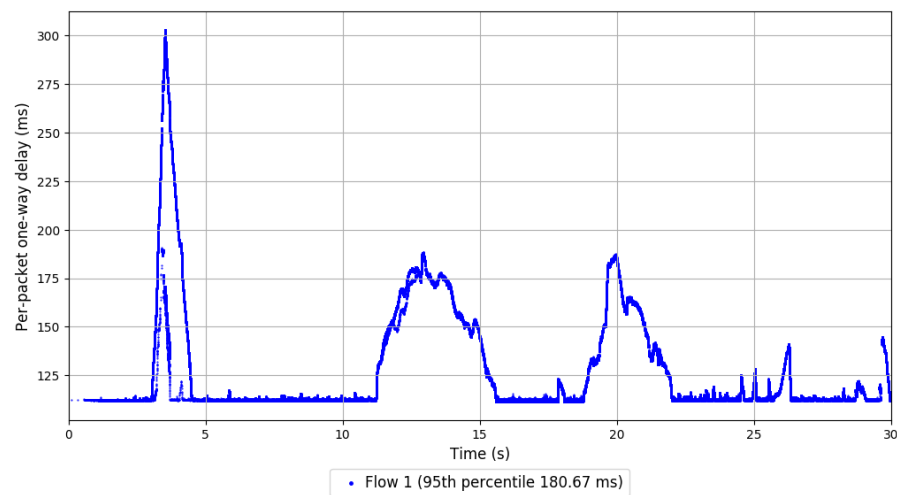
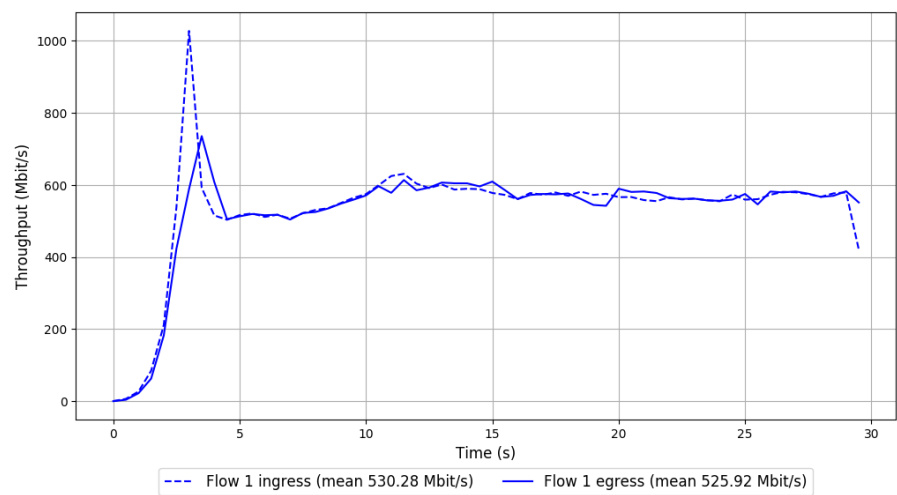
-- Flow 1:

Average throughput: 525.92 Mbit/s

95th percentile per-packet one-way delay: 180.670 ms

Loss rate: 0.82%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

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

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

# Below is generated by plot.py at 2018-04-17 02:50:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 552.07 Mbit/s

95th percentile per-packet one-way delay: 237.569 ms

Loss rate: 1.58%

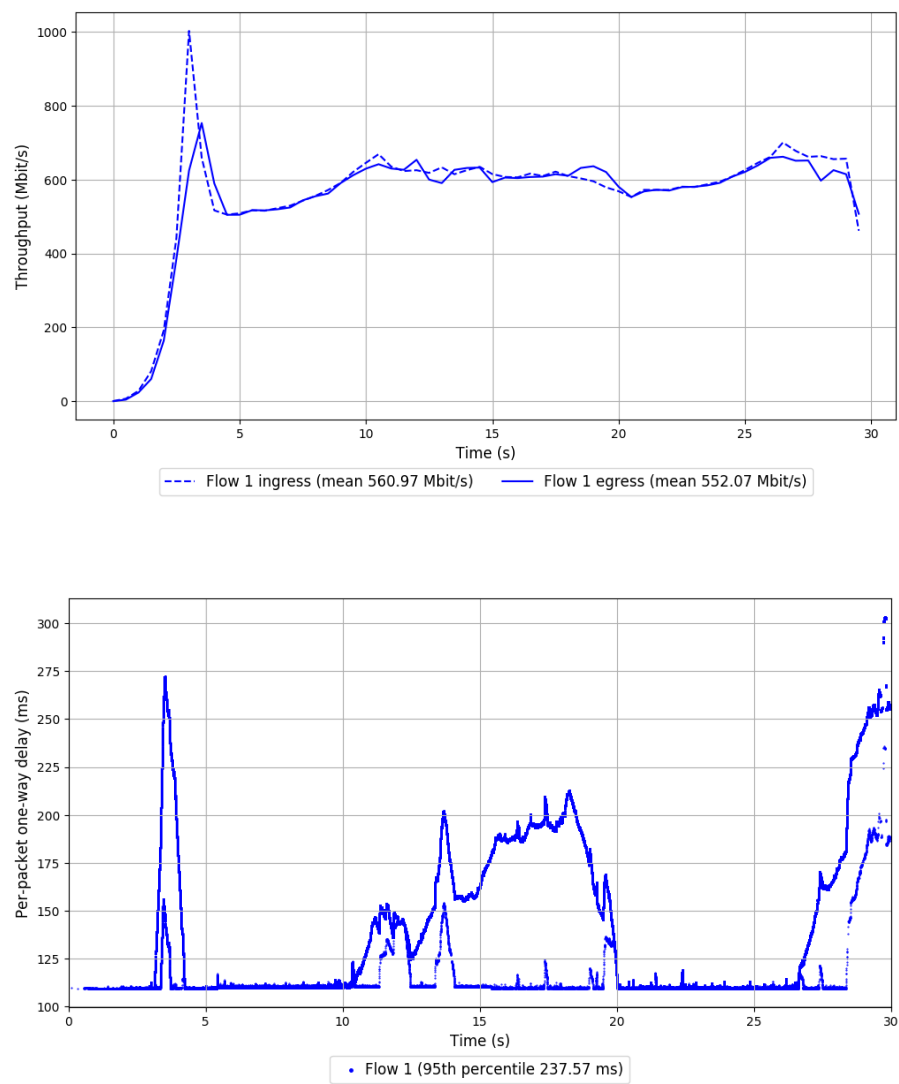
-- Flow 1:

Average throughput: 552.07 Mbit/s

95th percentile per-packet one-way delay: 237.569 ms

Loss rate: 1.58%

Run 9: Report of PCC-Allegro — Data Link

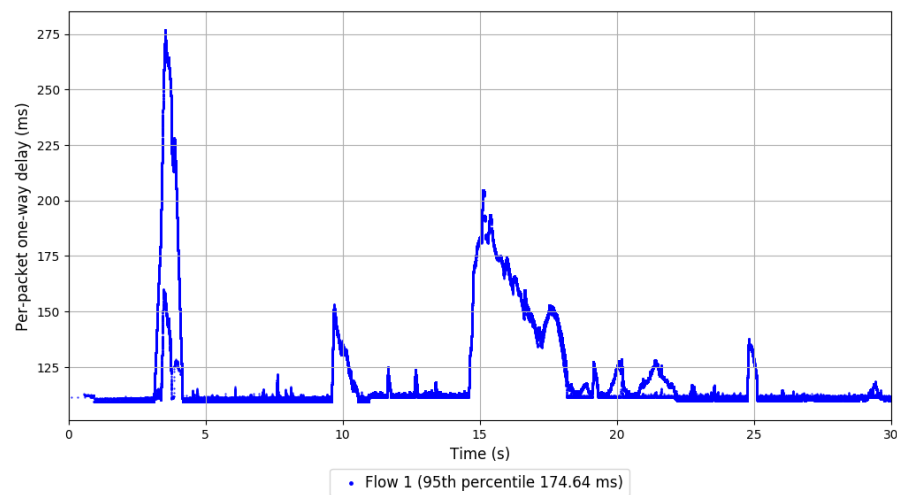
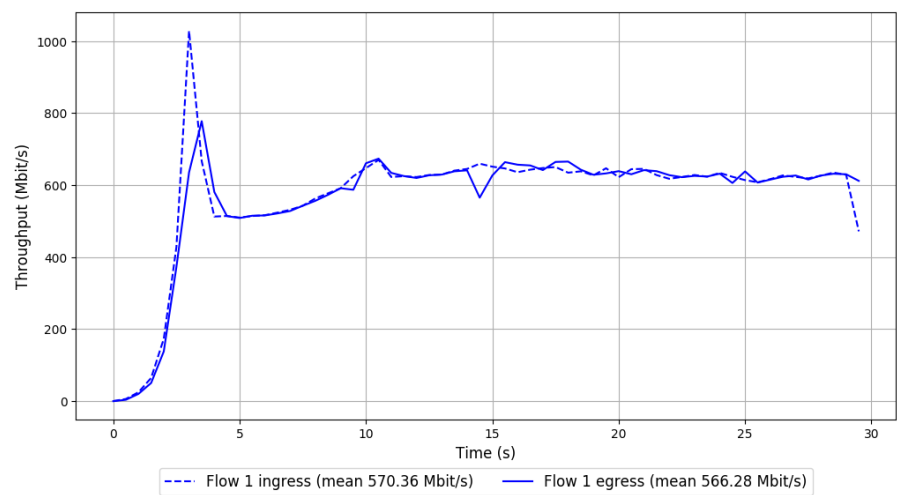


```
Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 01:17:54
End at: 2018-04-17 01:18:24

# Below is generated by plot.py at 2018-04-17 02:51:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 566.28 Mbit/s
95th percentile per-packet one-way delay: 174.641 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 566.28 Mbit/s
95th percentile per-packet one-way delay: 174.641 ms
Loss rate: 0.72%
```

Run 10: Report of PCC-Allegro — Data Link



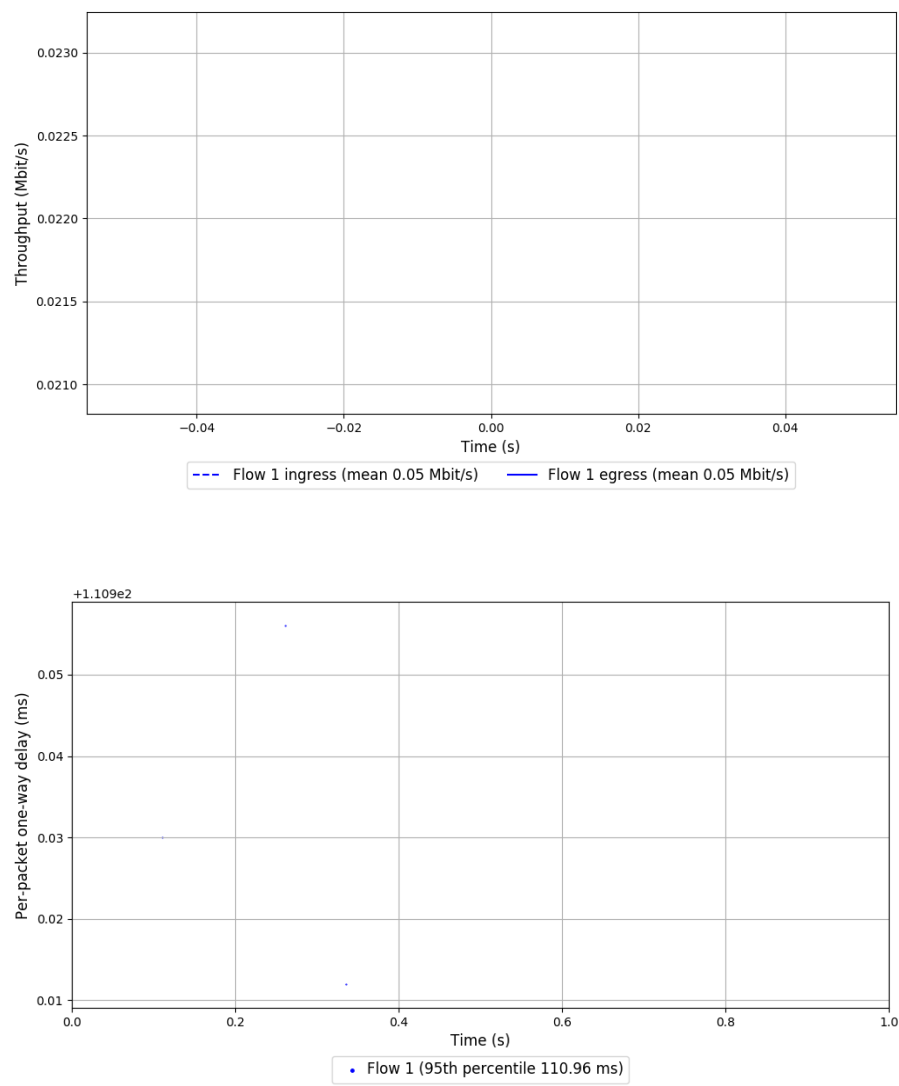
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-16 23:07:00

End at: 2018-04-16 23:07:30



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-16 23:20:44

End at: 2018-04-16 23:21:14

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.70 Mbit/s

95th percentile per-packet one-way delay: 112.449 ms

Loss rate: 0.00%

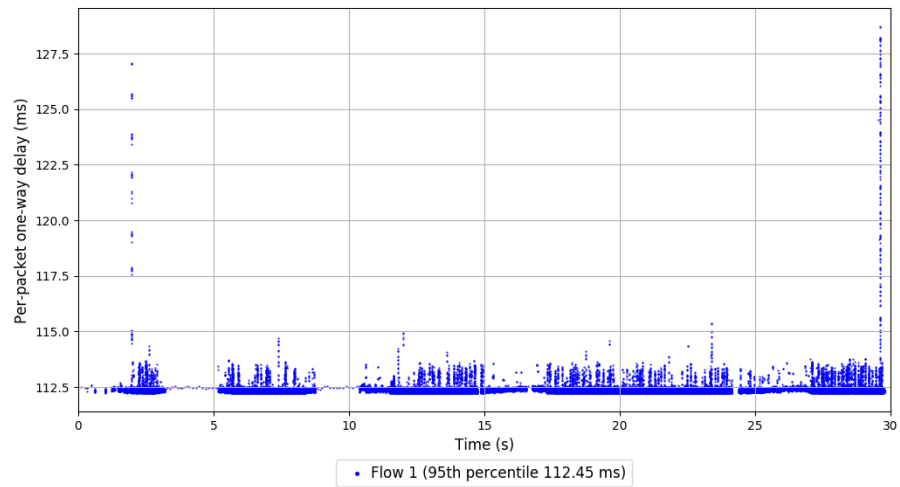
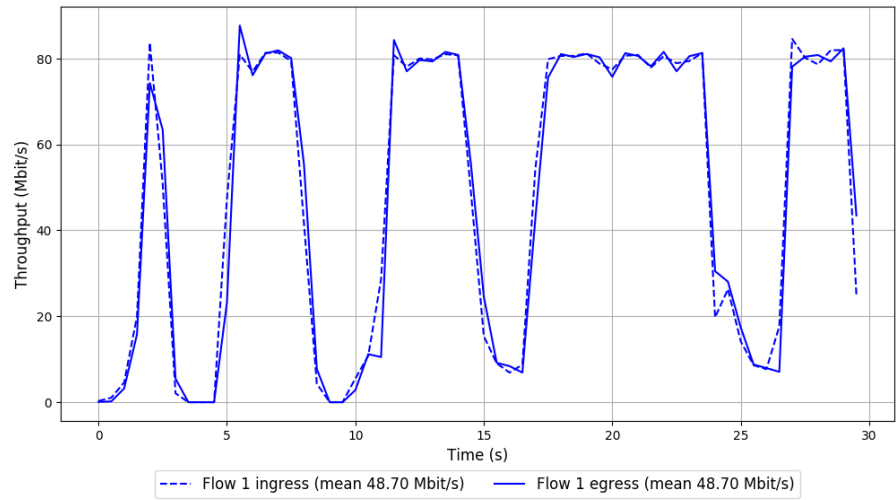
-- Flow 1:

Average throughput: 48.70 Mbit/s

95th percentile per-packet one-way delay: 112.449 ms

Loss rate: 0.00%

## Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-16 23:34:34

End at: 2018-04-16 23:35:04

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.00 Mbit/s

95th percentile per-packet one-way delay: 110.991 ms

Loss rate: 0.00%

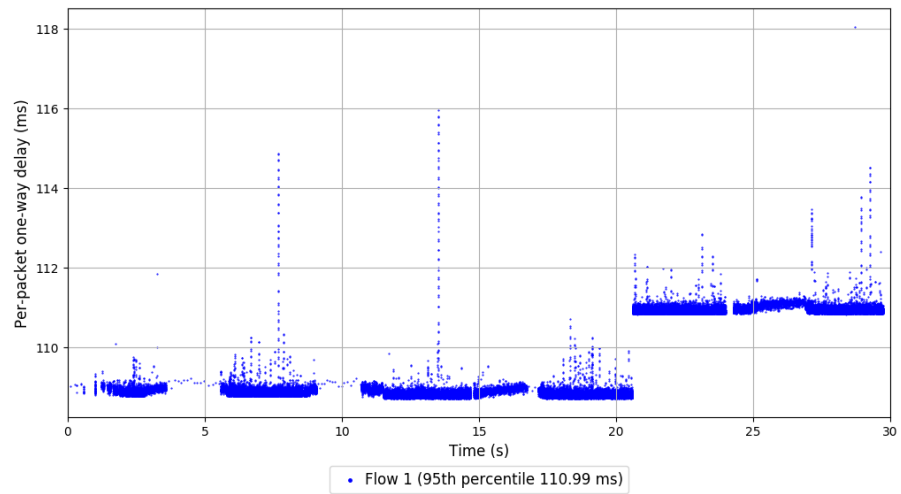
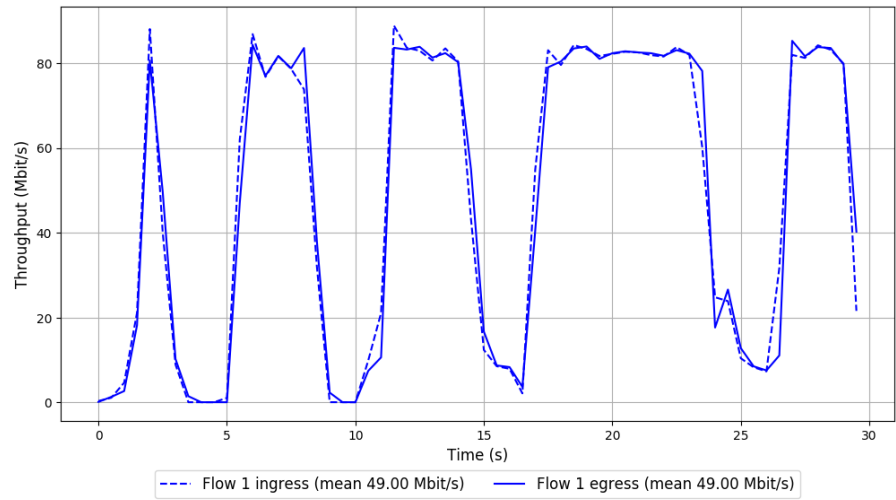
-- Flow 1:

Average throughput: 49.00 Mbit/s

95th percentile per-packet one-way delay: 110.991 ms

Loss rate: 0.00%

### Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-16 23:48:36

End at: 2018-04-16 23:49:06

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.81 Mbit/s

95th percentile per-packet one-way delay: 111.356 ms

Loss rate: 0.00%

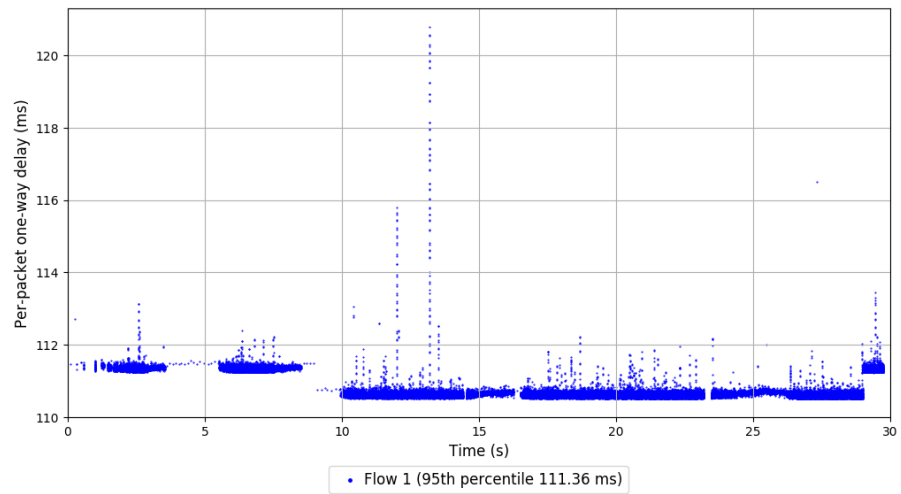
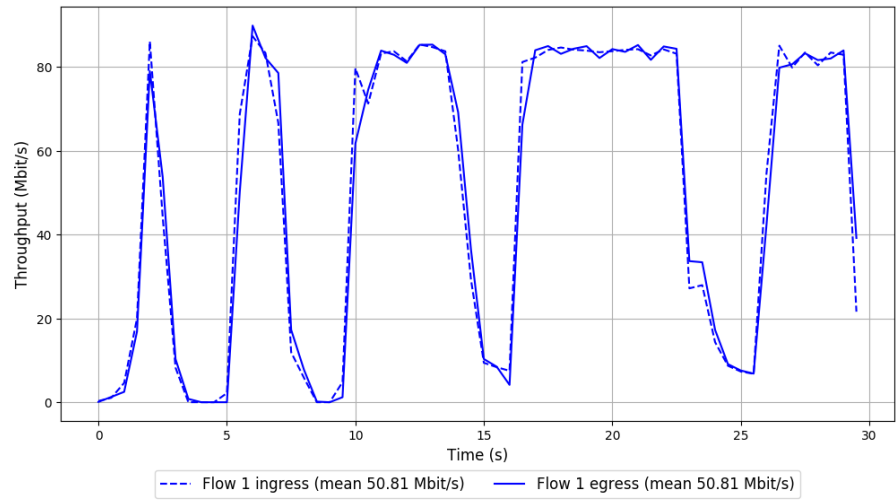
-- Flow 1:

Average throughput: 50.81 Mbit/s

95th percentile per-packet one-way delay: 111.356 ms

Loss rate: 0.00%

#### Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 00:02:56

End at: 2018-04-17 00:03:26

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.54 Mbit/s

95th percentile per-packet one-way delay: 112.396 ms

Loss rate: 0.01%

-- Flow 1:

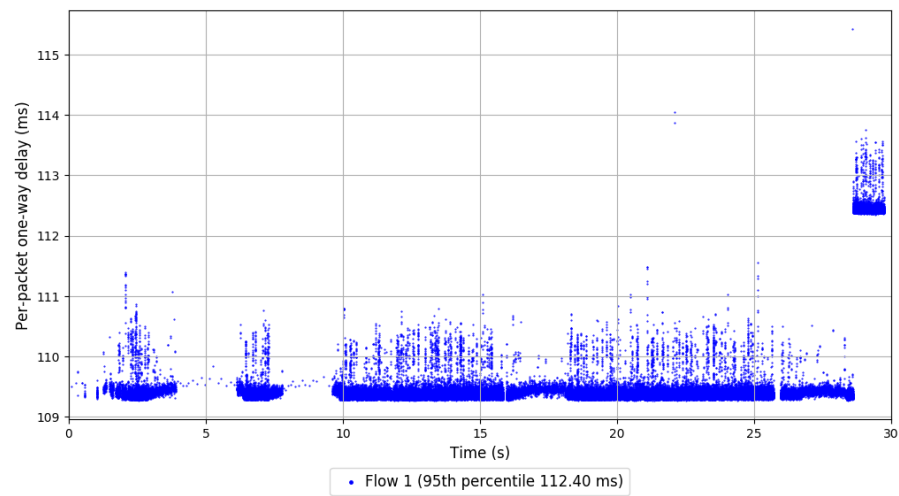
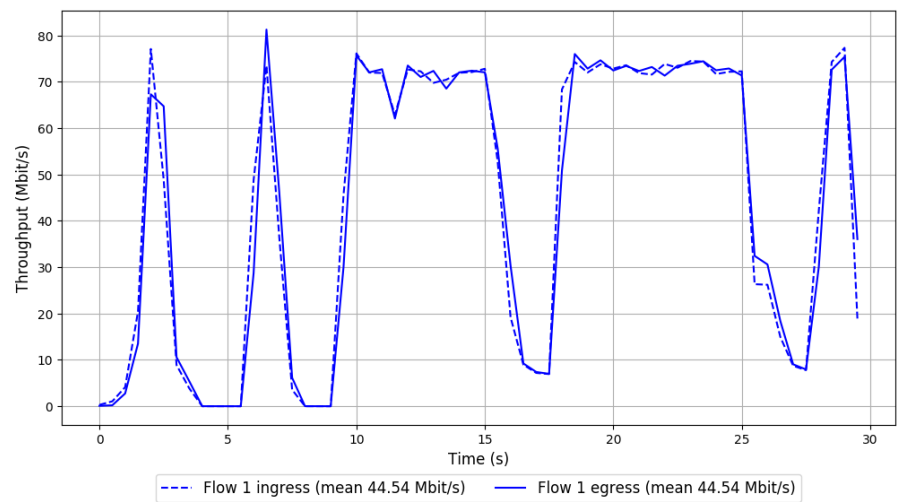
Average throughput: 44.54 Mbit/s

95th percentile per-packet one-way delay: 112.396 ms

Loss rate: 0.01%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 00:16:45

End at: 2018-04-17 00:17:15

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.90 Mbit/s

95th percentile per-packet one-way delay: 111.489 ms

Loss rate: 0.00%

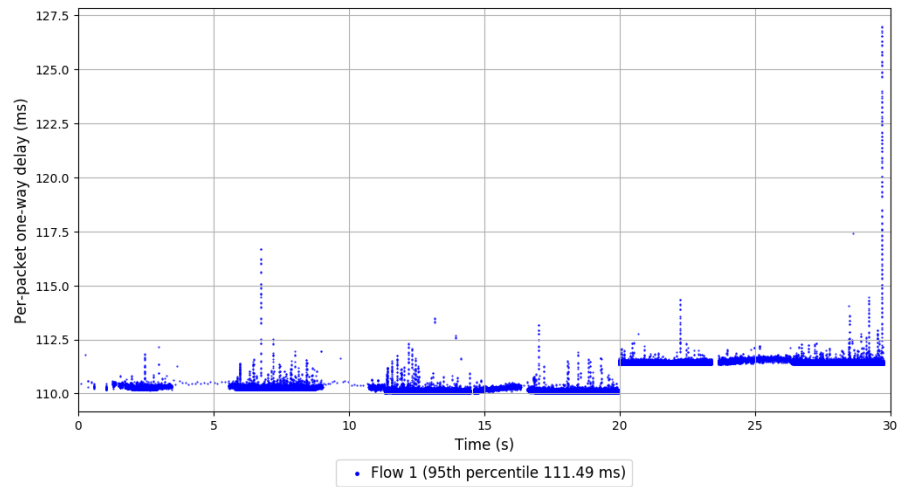
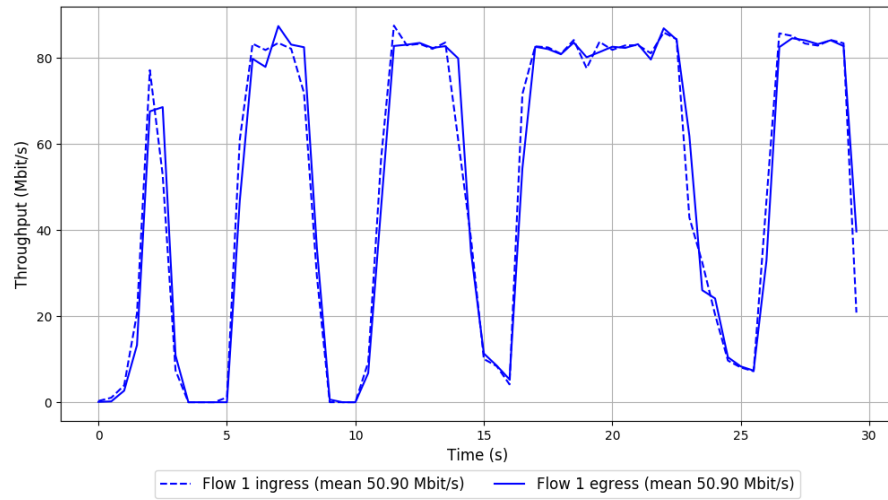
-- Flow 1:

Average throughput: 50.90 Mbit/s

95th percentile per-packet one-way delay: 111.489 ms

Loss rate: 0.00%

## Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 00:30:45

End at: 2018-04-17 00:31:15

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 110.398 ms

Loss rate: 0.00%

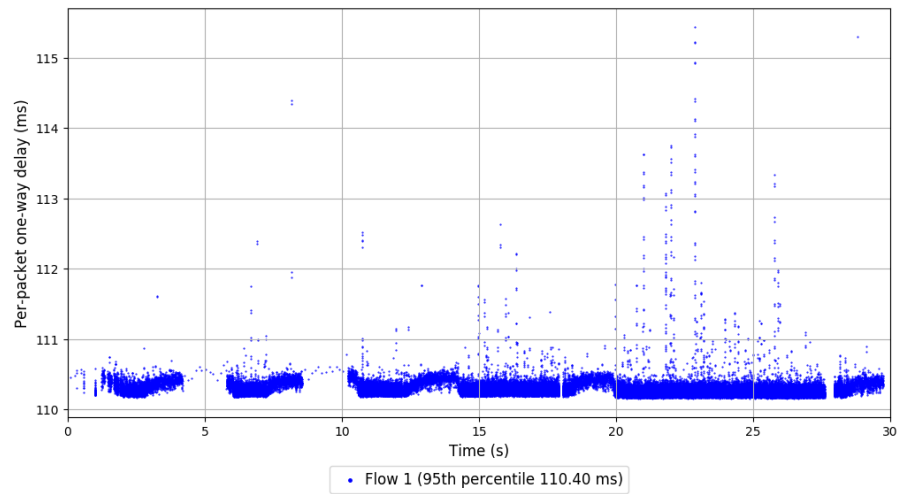
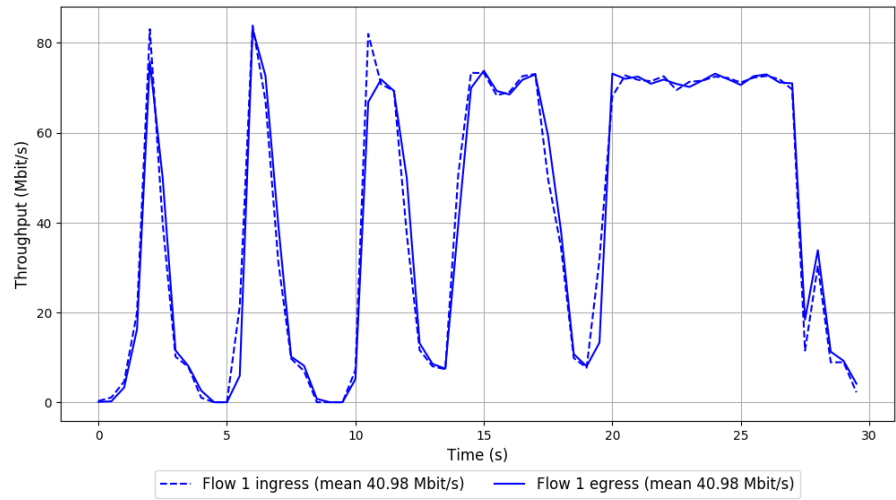
-- Flow 1:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 110.398 ms

Loss rate: 0.00%

## Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

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

End at: 2018-04-17 00:45:14

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.67 Mbit/s

95th percentile per-packet one-way delay: 112.261 ms

Loss rate: 0.00%

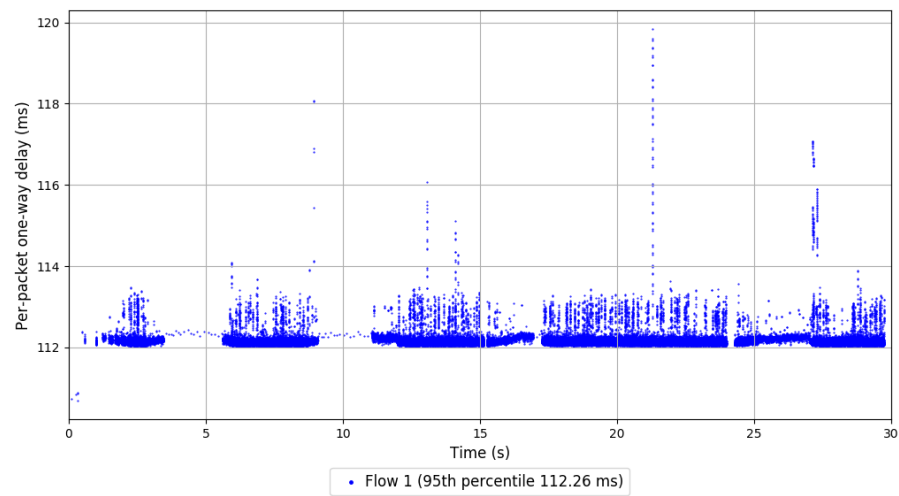
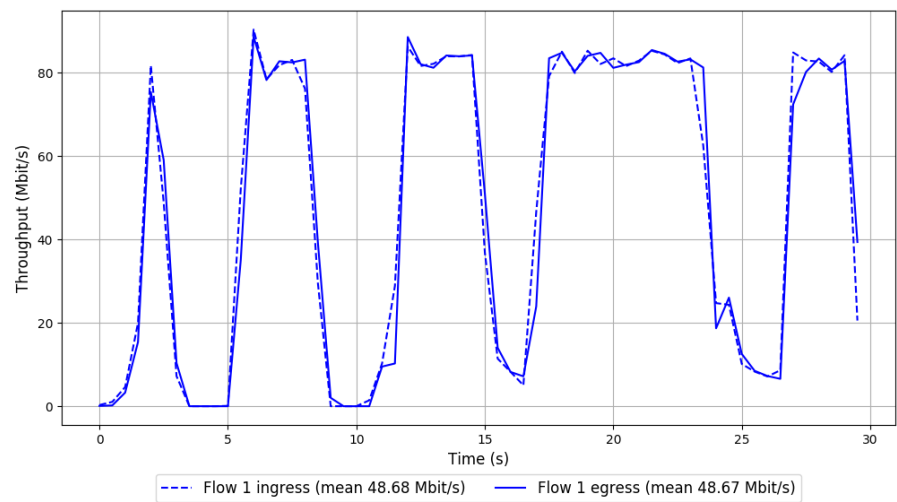
-- Flow 1:

Average throughput: 48.67 Mbit/s

95th percentile per-packet one-way delay: 112.261 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 00:58:42

End at: 2018-04-17 00:59:12

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 111.439 ms

Loss rate: 0.00%

-- Flow 1:

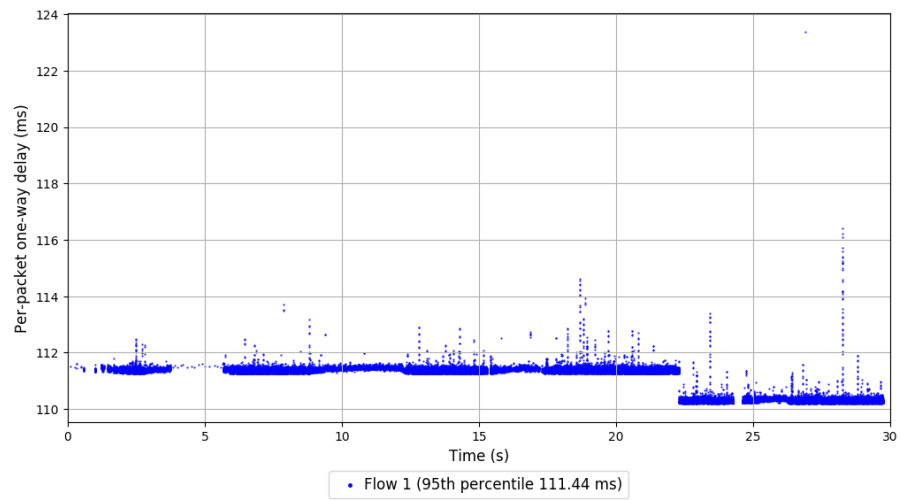
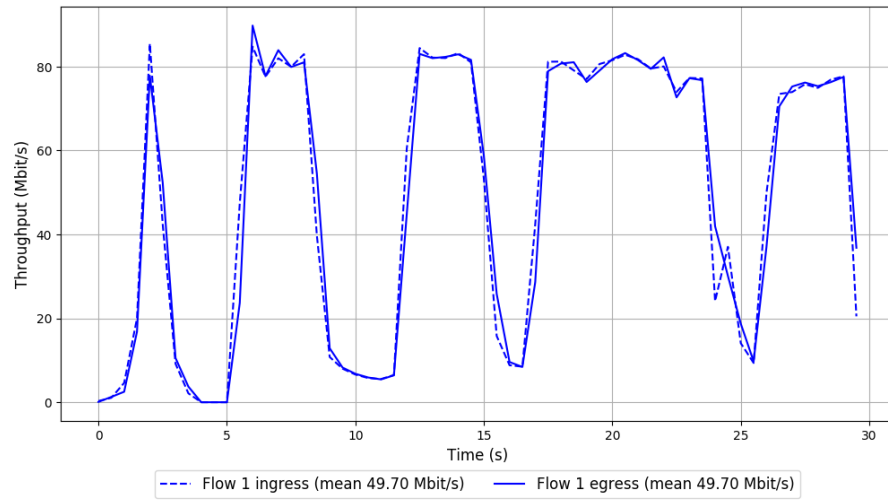
Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 111.439 ms

Loss rate: 0.00%



### Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 01:12:54

End at: 2018-04-17 01:13:25

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.29 Mbit/s

95th percentile per-packet one-way delay: 112.122 ms

Loss rate: 0.00%

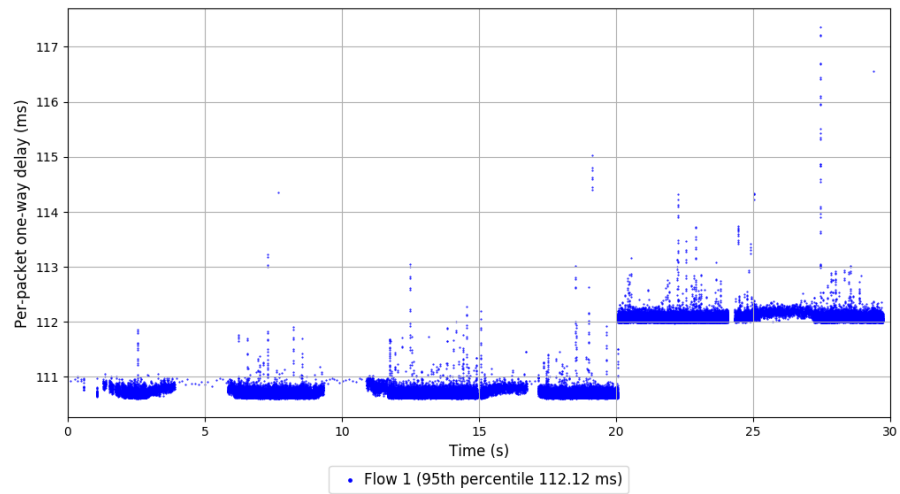
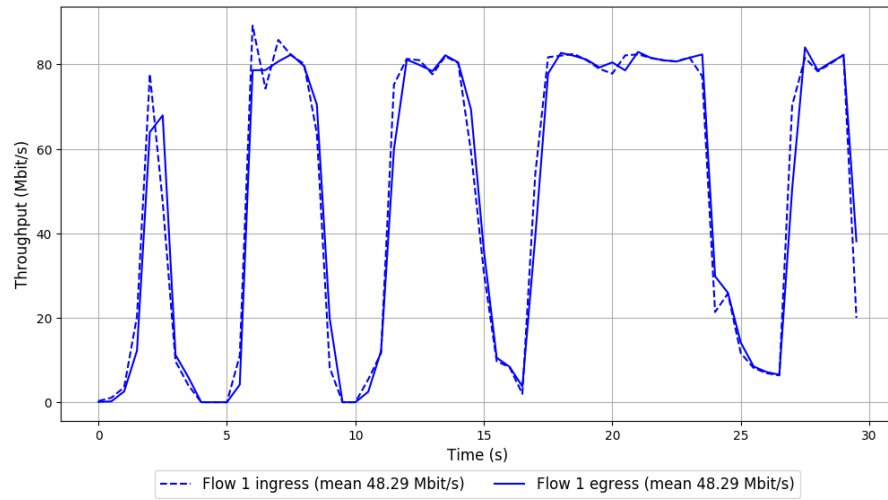
-- Flow 1:

Average throughput: 48.29 Mbit/s

95th percentile per-packet one-way delay: 112.122 ms

Loss rate: 0.00%

# Run 10: Report of QUIC Cubic — Data Link

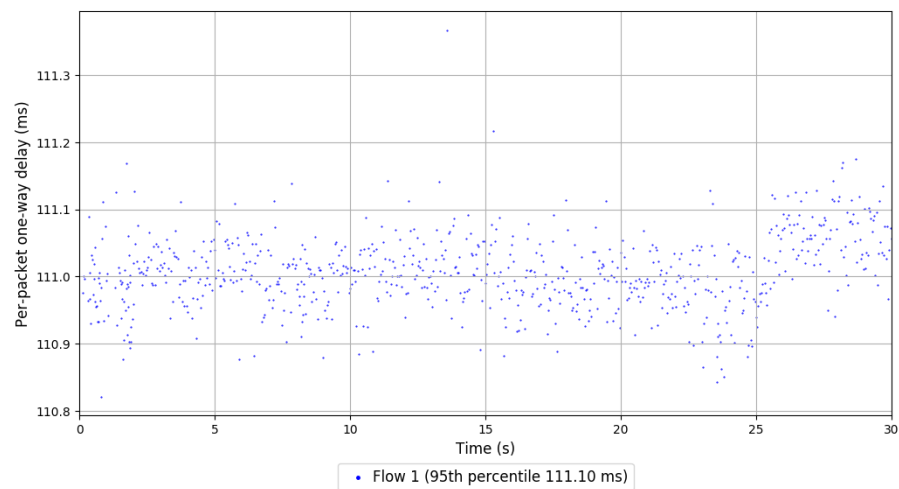
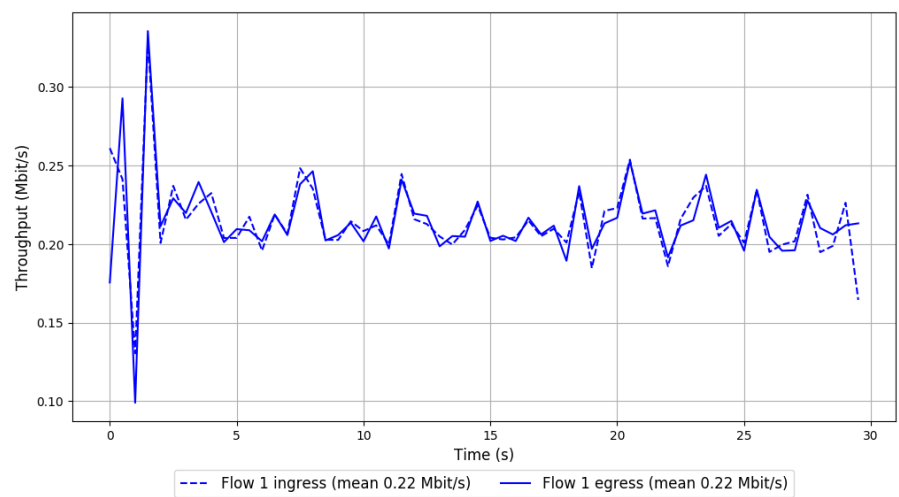


```
Run 1: Statistics of SCReAM

Start at: 2018-04-16 23:06:19
End at: 2018-04-16 23:06:49

# Below is generated by plot.py at 2018-04-17 02:51:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.097 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

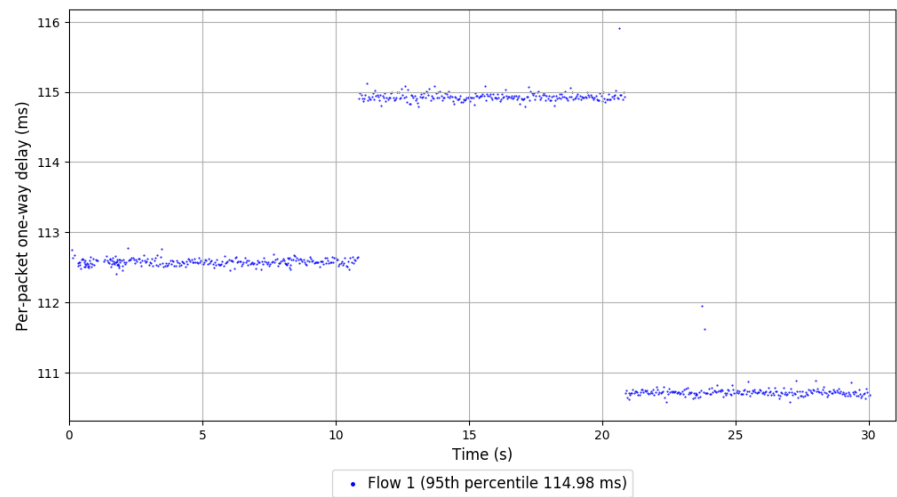
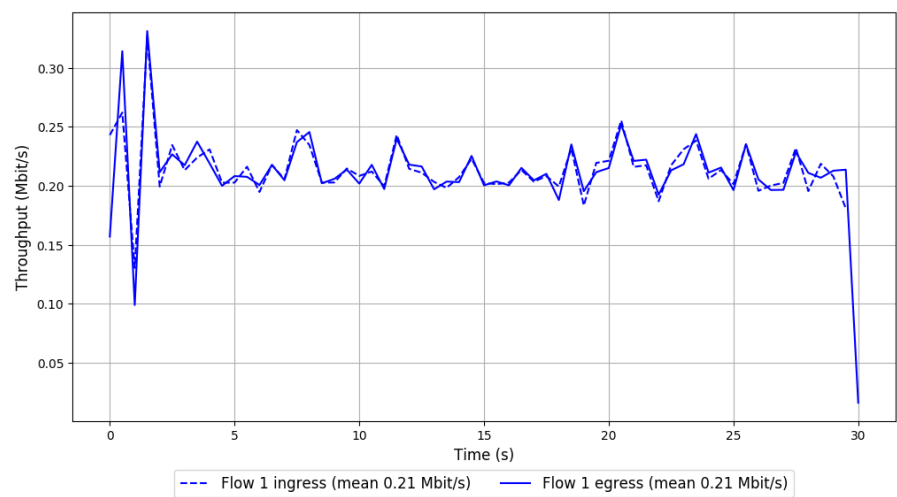


```
Run 2: Statistics of SCReAM

Start at: 2018-04-16 23:20:04
End at: 2018-04-16 23:20:34

# Below is generated by plot.py at 2018-04-17 02:51:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 114.977 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-16 23:33:53

End at: 2018-04-16 23:34:23

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.252 ms

Loss rate: 0.00%

-- Flow 1:

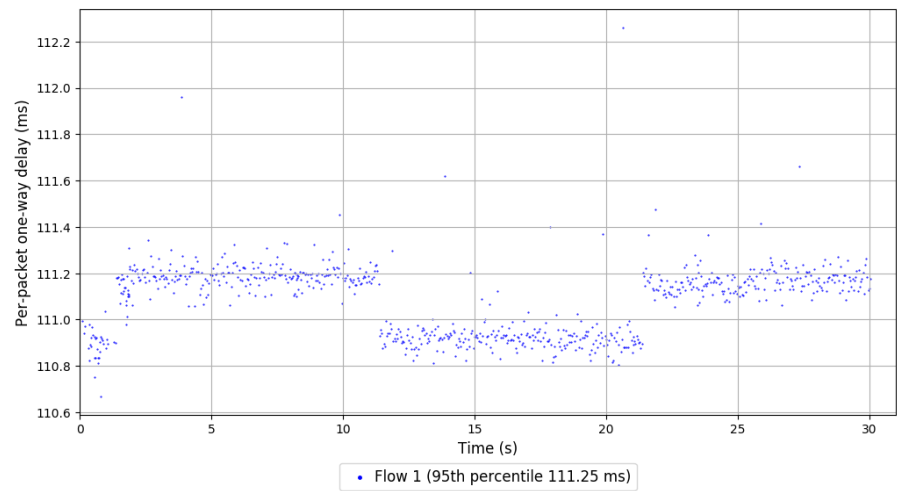
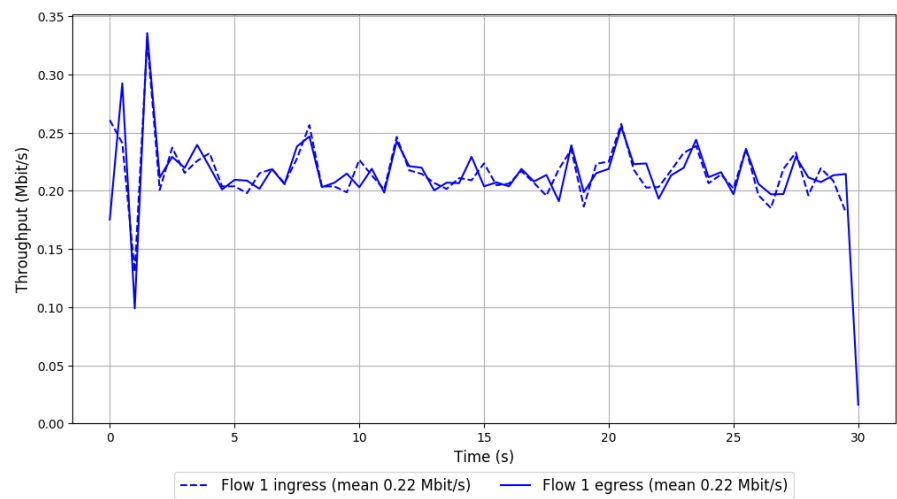
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.252 ms

Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

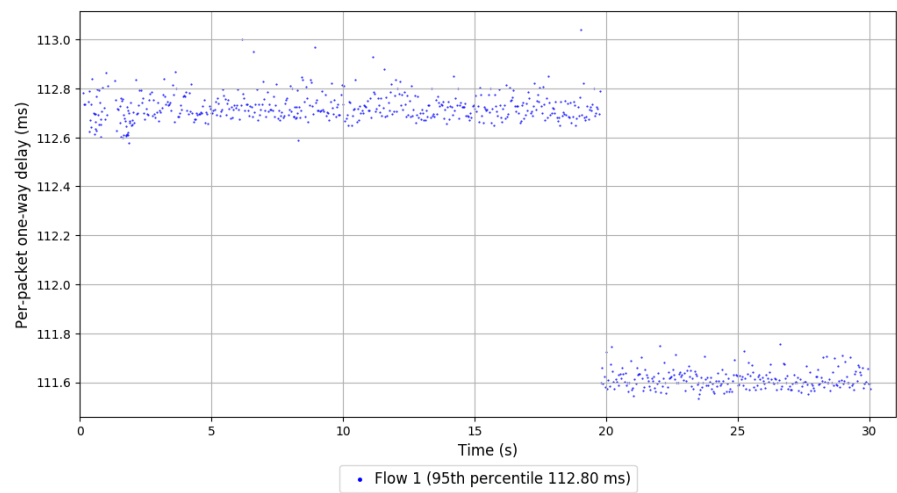
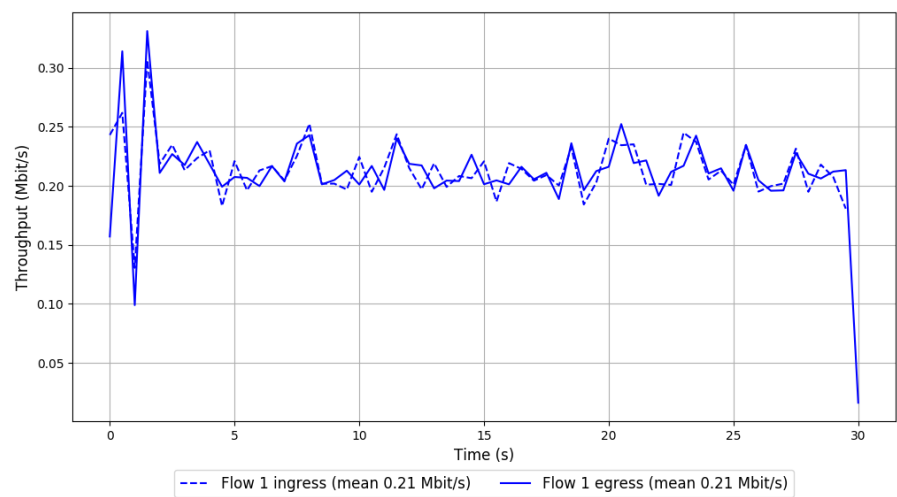


```
Run 4: Statistics of SCReAM

Start at: 2018-04-16 23:47:55
End at: 2018-04-16 23:48:25

# Below is generated by plot.py at 2018-04-17 02:51:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.803 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 00:02:15

End at: 2018-04-17 00:02:45

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.667 ms

Loss rate: 0.00%

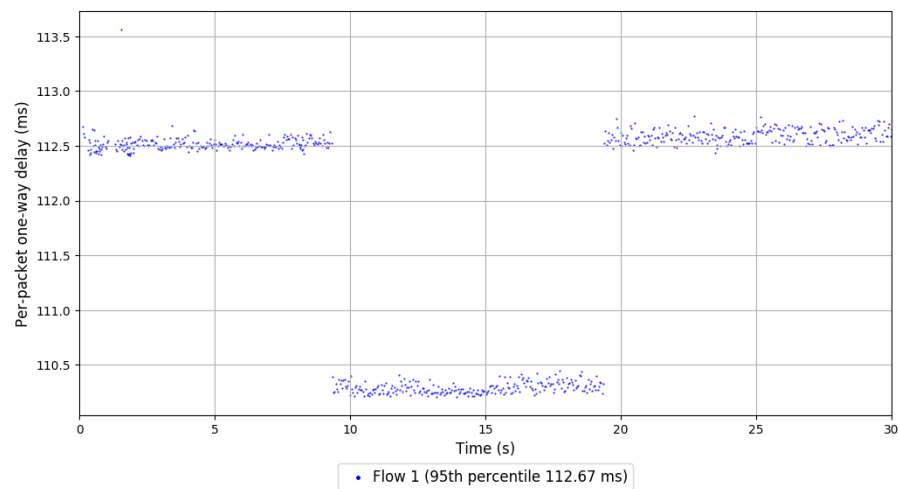
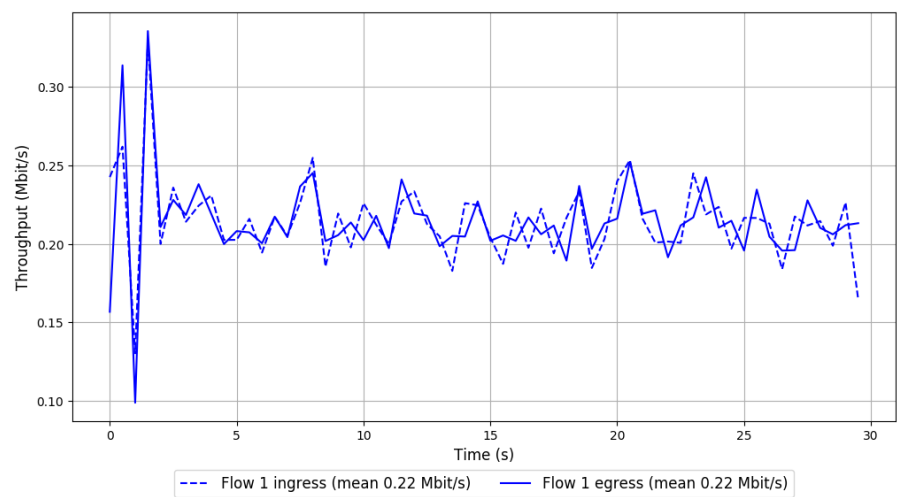
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.667 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 00:16:04

End at: 2018-04-17 00:16:34

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.695 ms

Loss rate: 0.00%

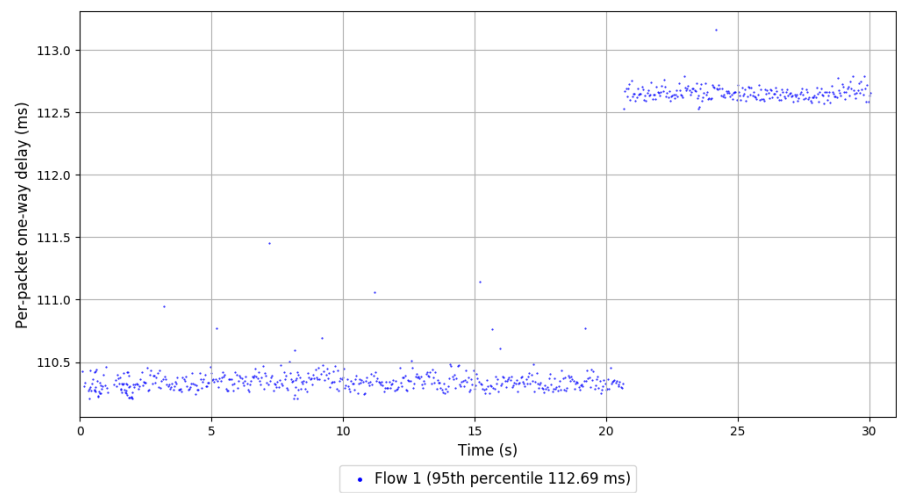
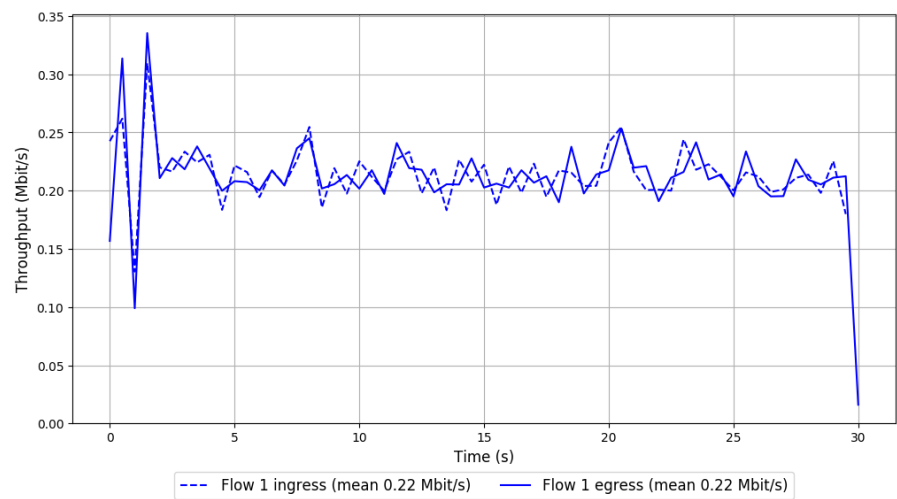
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.695 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



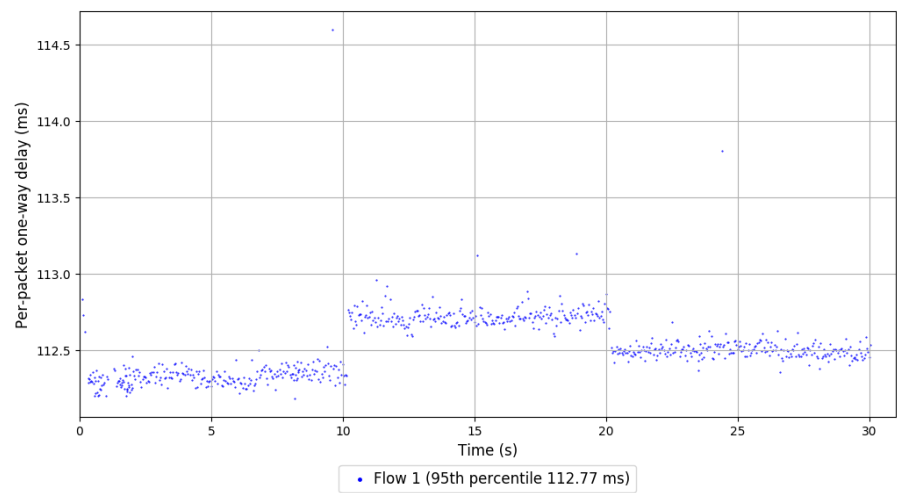
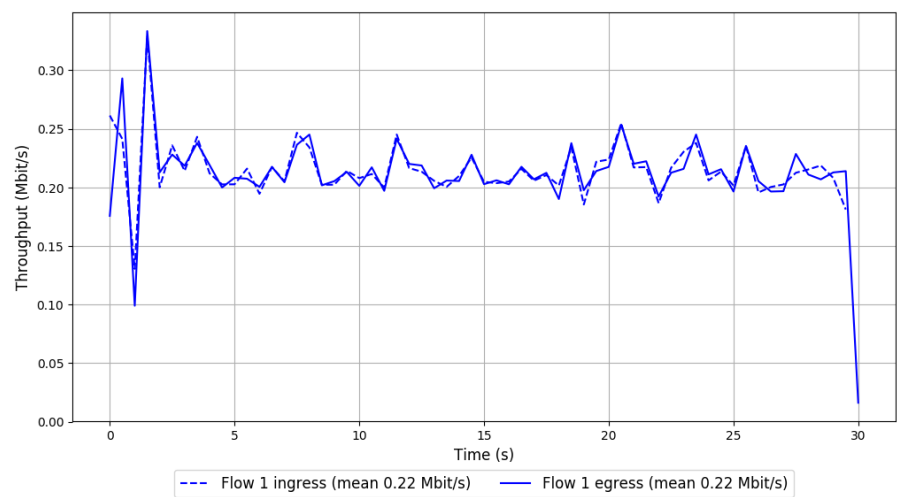
```
Run 7: Statistics of SCReAM

Start at: 2018-04-17 00:30:05
End at: 2018-04-17 00:30:35

# Below is generated by plot.py at 2018-04-17 02:51:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.773 ms
Loss rate: 0.00%
```



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

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

End at: 2018-04-17 00:44:34

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.756 ms

Loss rate: 0.00%

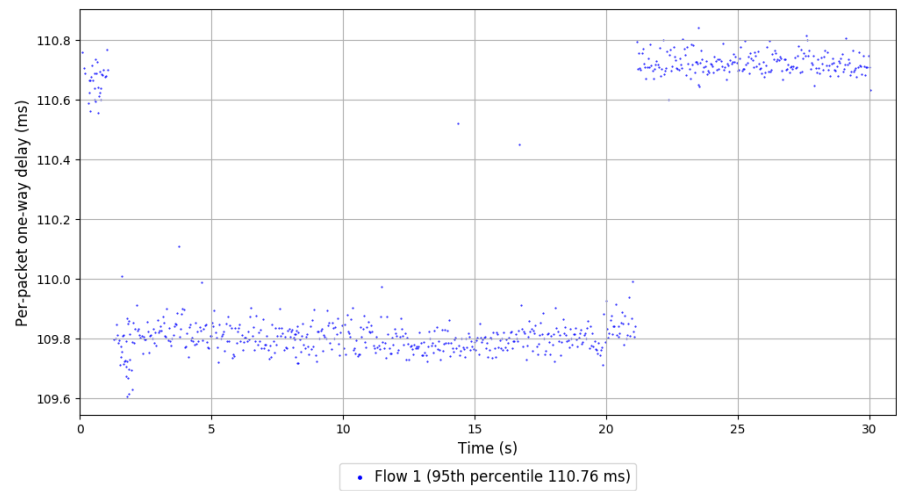
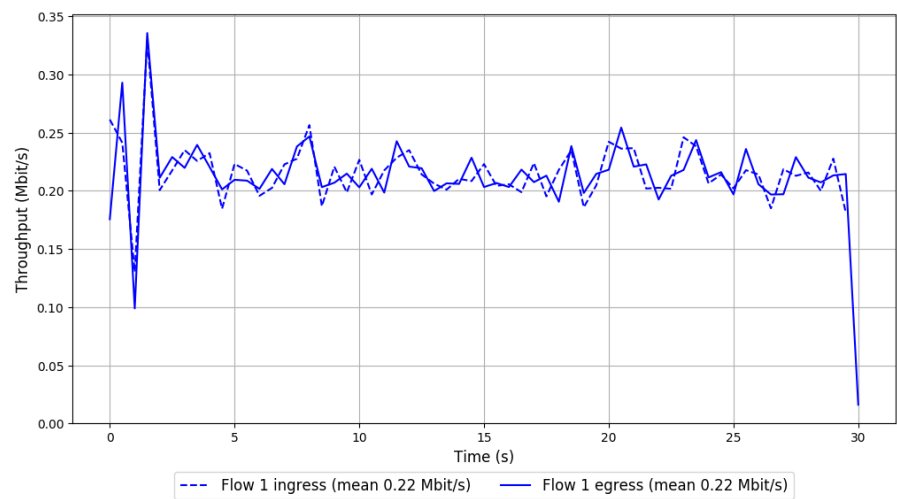
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.756 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 00:58:02

End at: 2018-04-17 00:58:32

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.818 ms

Loss rate: 0.00%

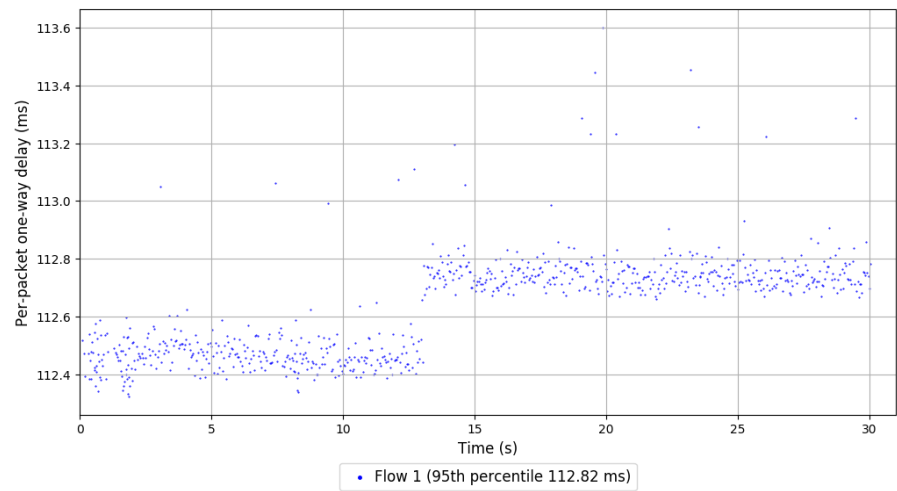
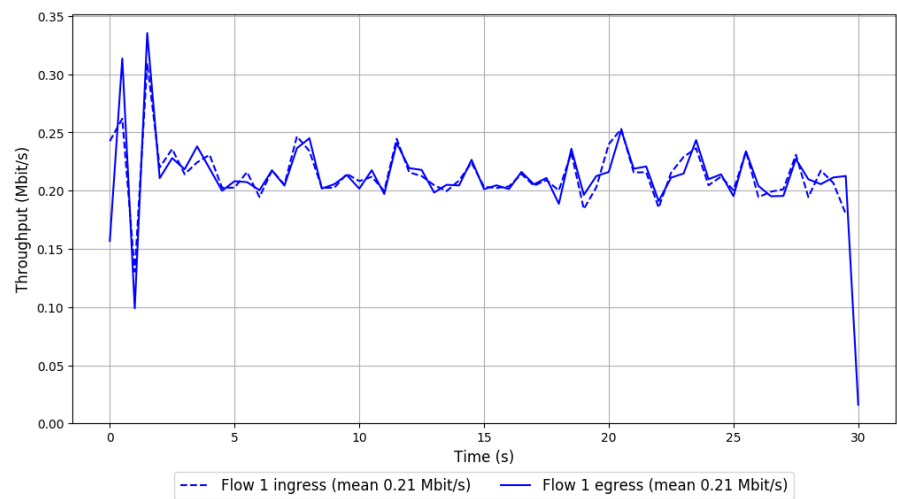
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.818 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

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

End at: 2018-04-17 01:12:44

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.619 ms

Loss rate: 0.00%

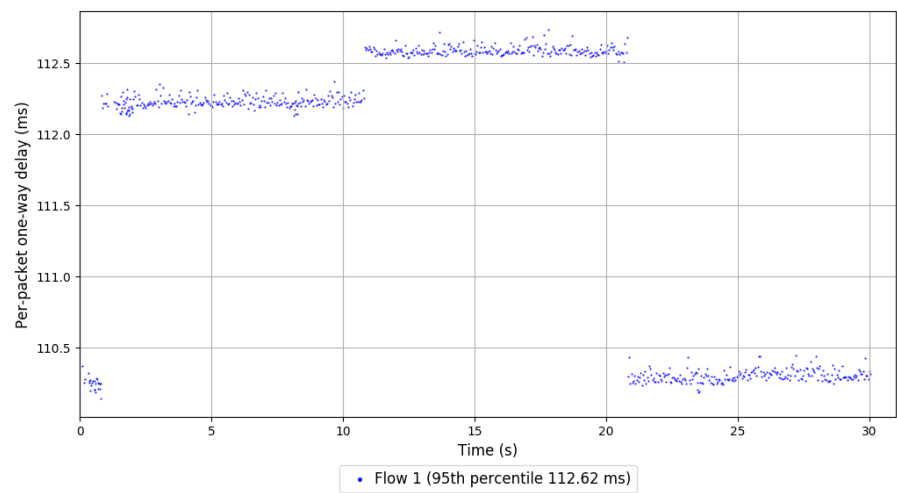
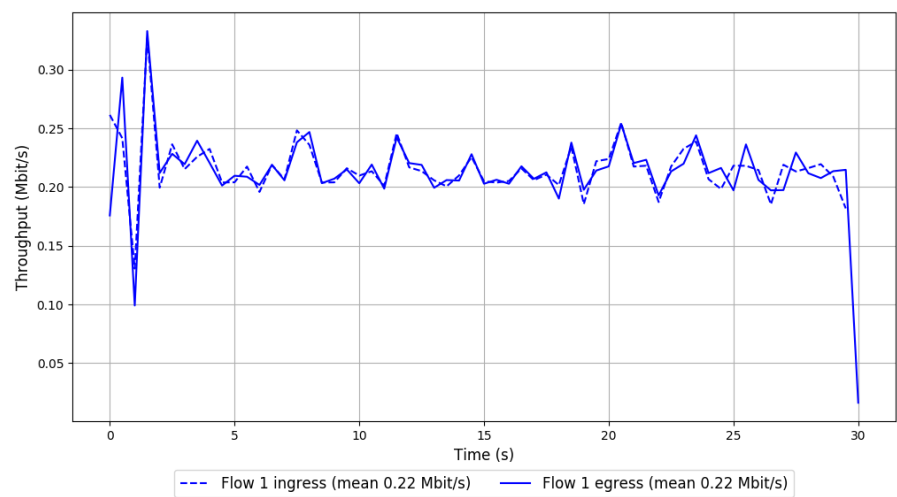
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.619 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



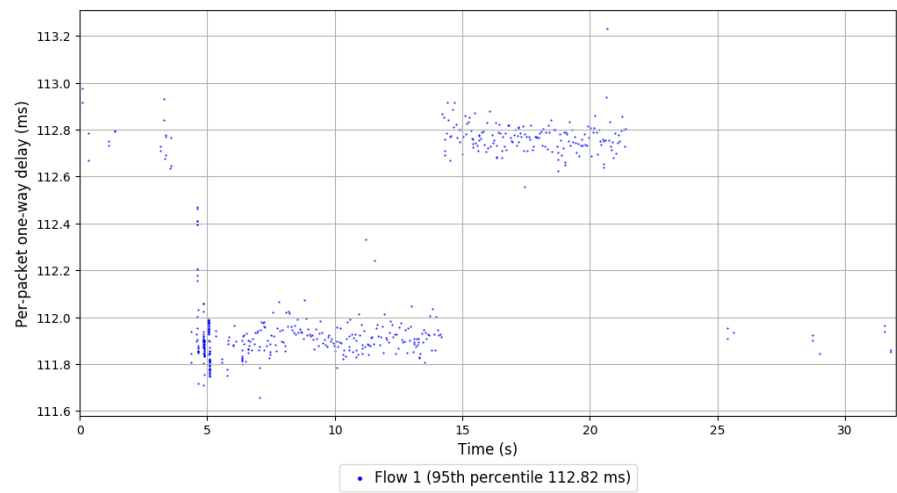
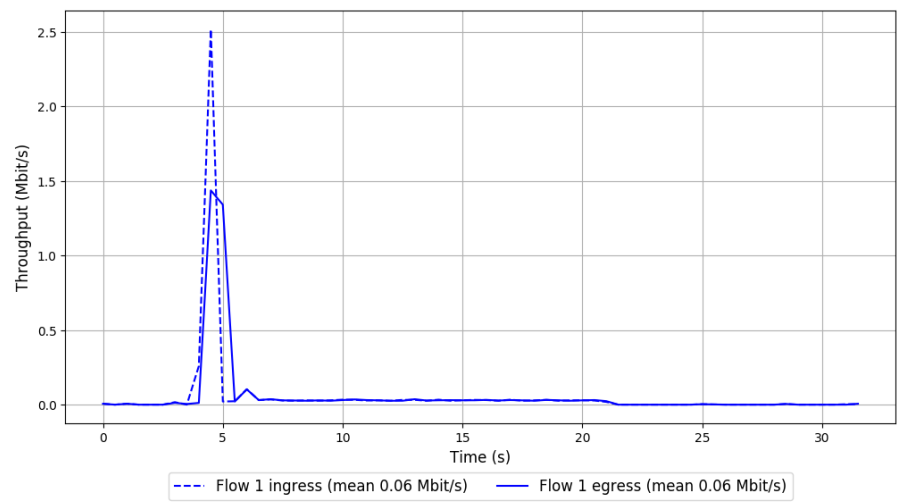
```
Run 1: Statistics of WebRTC media

Start at: 2018-04-16 23:15:33
End at: 2018-04-16 23:16:03

# Below is generated by plot.py at 2018-04-17 02:51:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 112.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 112.820 ms
Loss rate: 0.00%
```



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-16 23:29:15

End at: 2018-04-16 23:29:45

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.019 ms

Loss rate: 0.00%

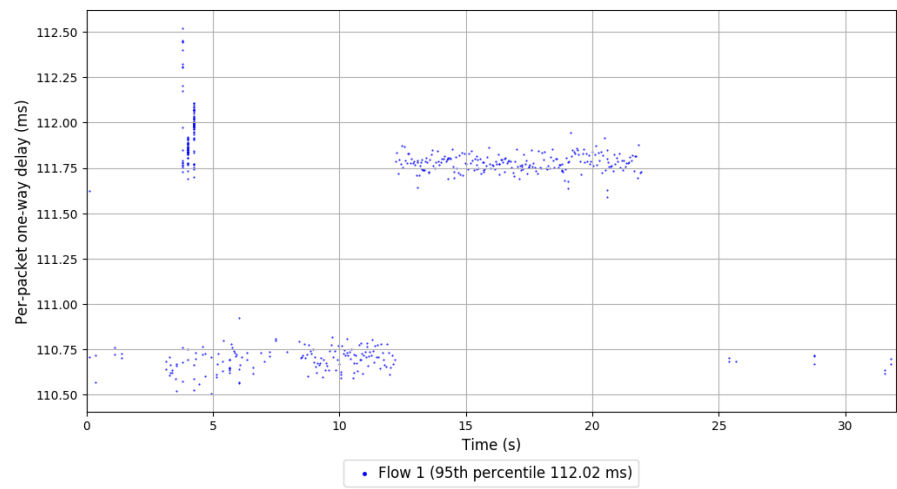
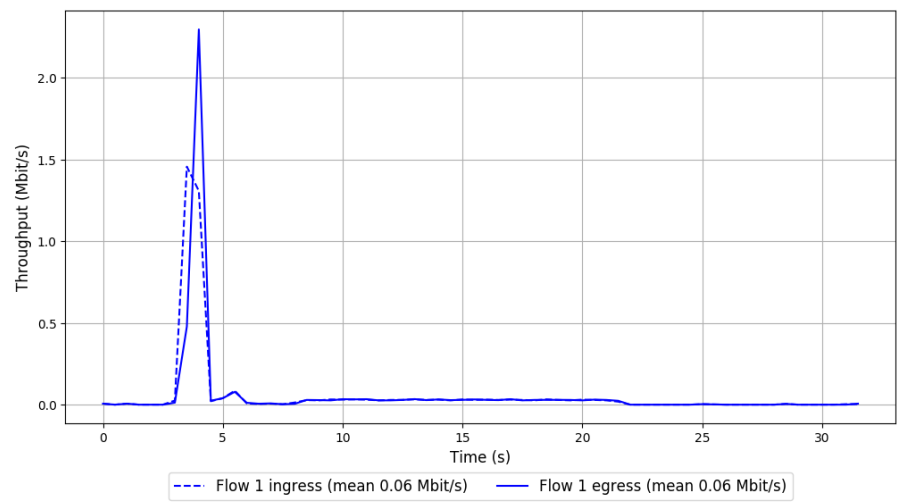
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.019 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-16 23:43:10

End at: 2018-04-16 23:43:40

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 111.627 ms

Loss rate: 0.00%

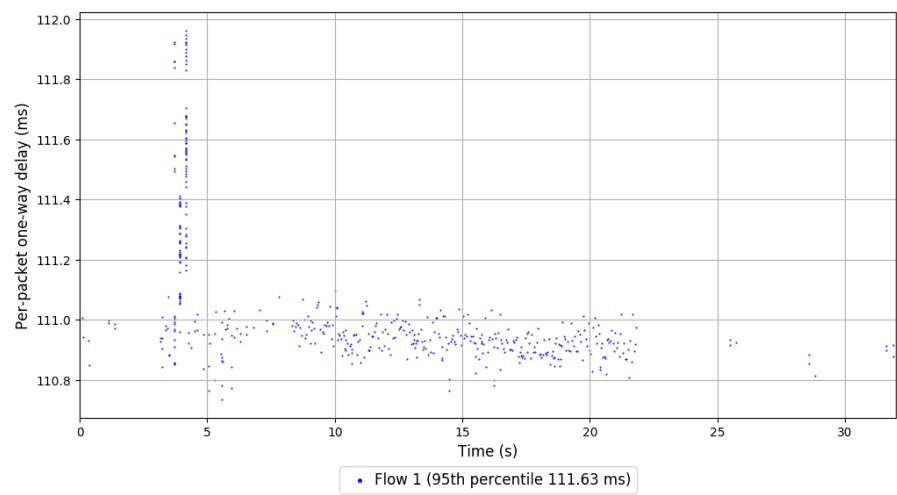
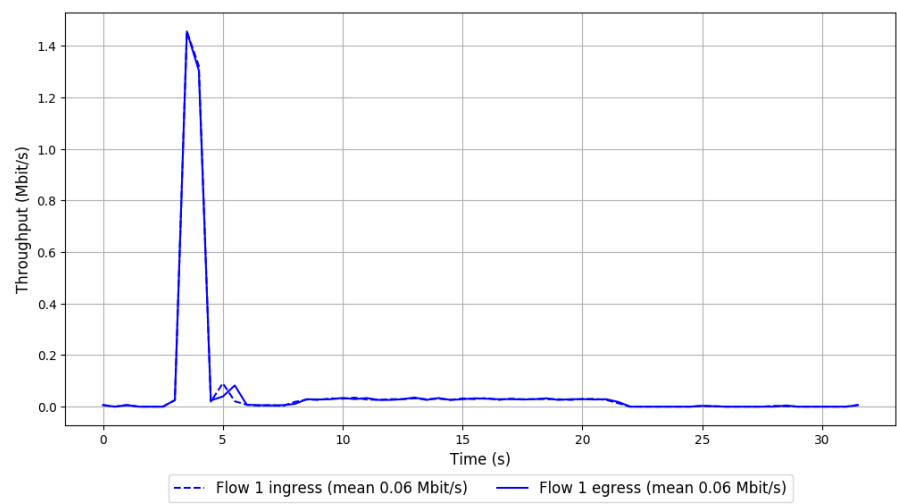
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 111.627 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-16 23:57:25

End at: 2018-04-16 23:57:55

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.397 ms

Loss rate: 0.00%

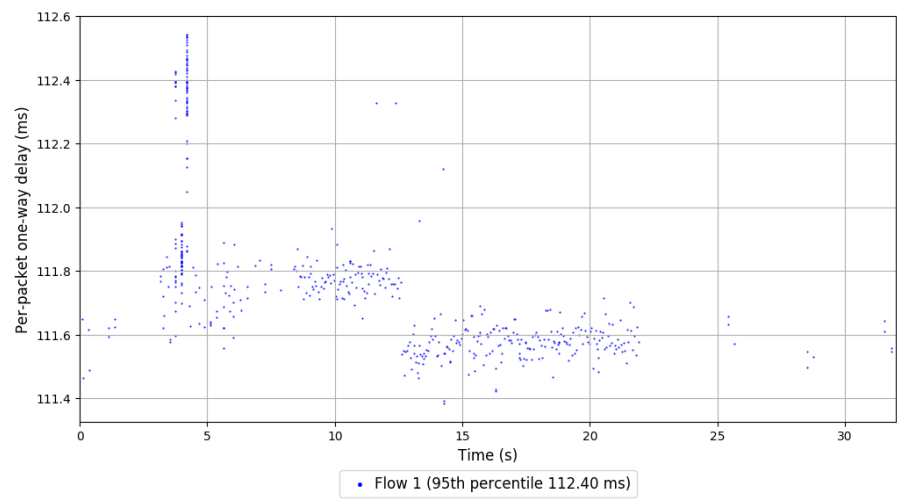
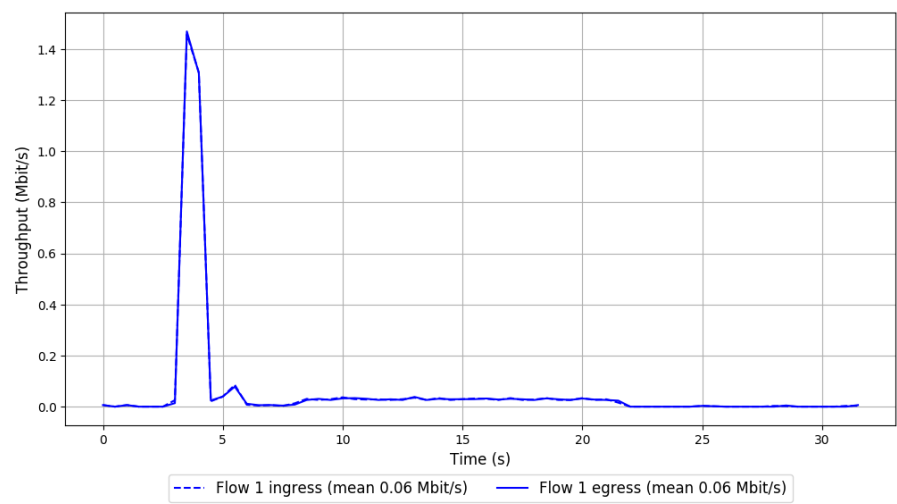
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.397 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 00:11:29

End at: 2018-04-17 00:11:59

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 114.263 ms

Loss rate: 0.00%

-- Flow 1:

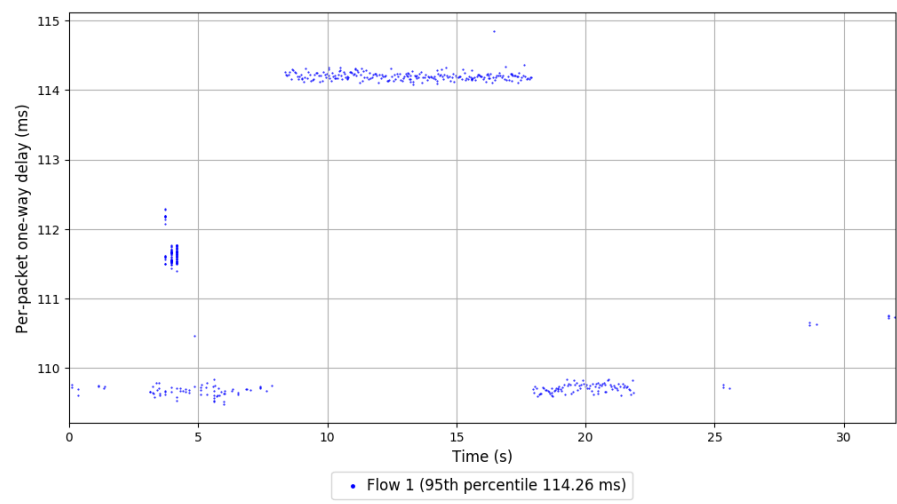
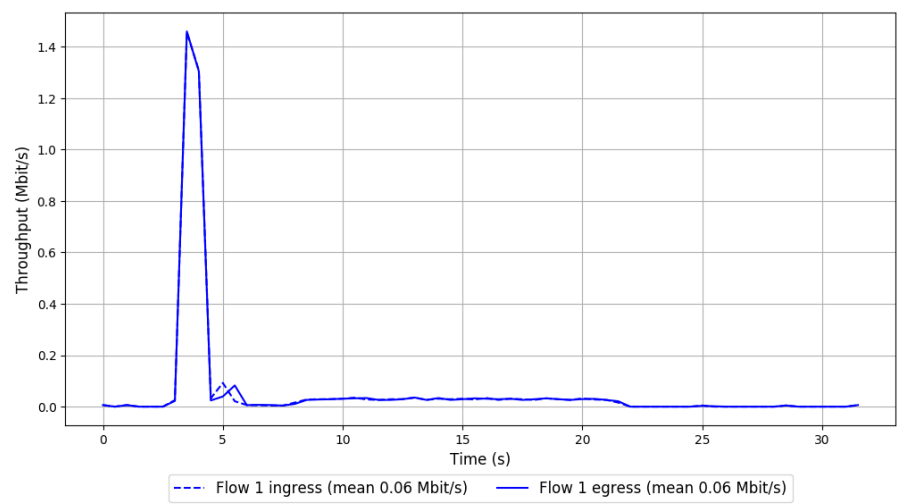
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 114.263 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 00:25:12

End at: 2018-04-17 00:25:42

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 110.416 ms

Loss rate: 0.00%

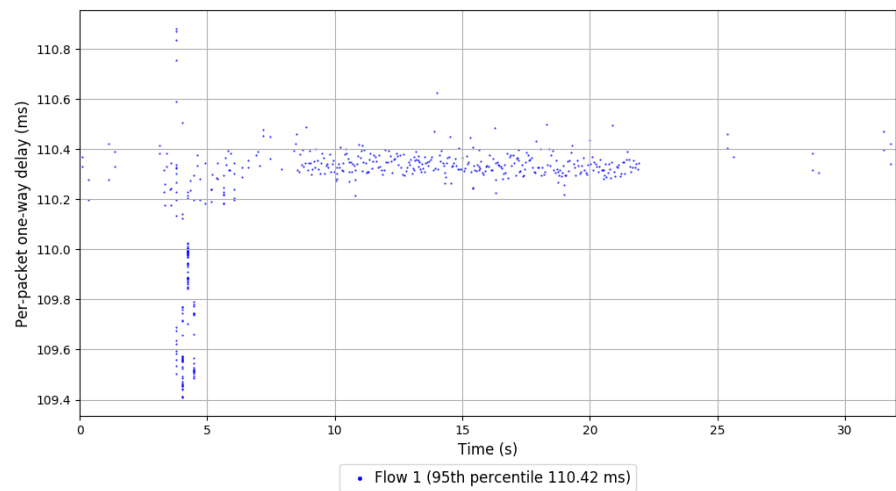
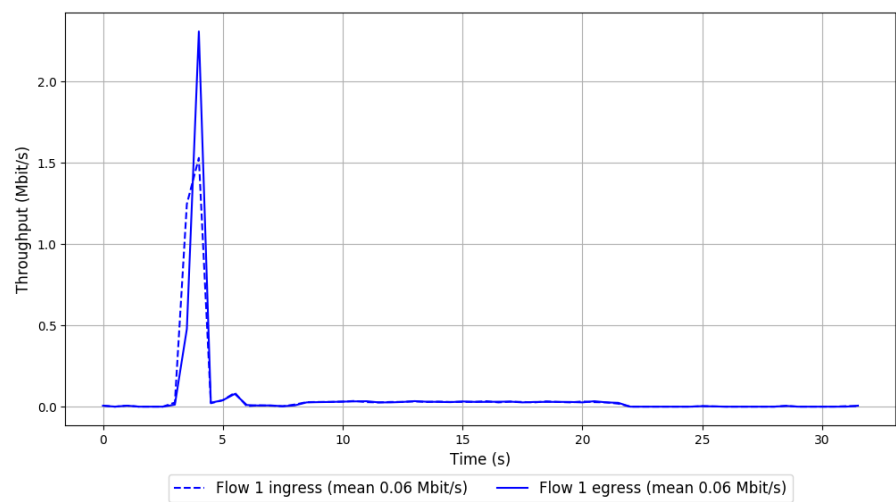
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 110.416 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 00:39:23

End at: 2018-04-17 00:39:53

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.430 ms

Loss rate: 0.00%

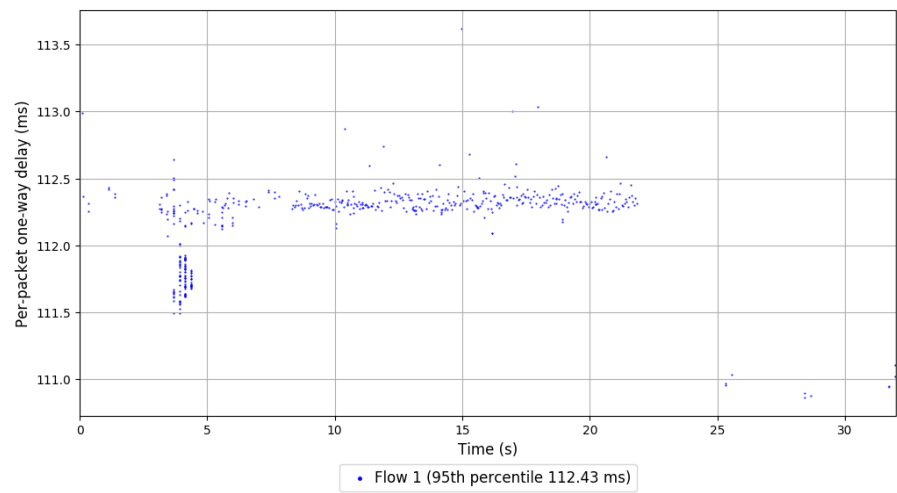
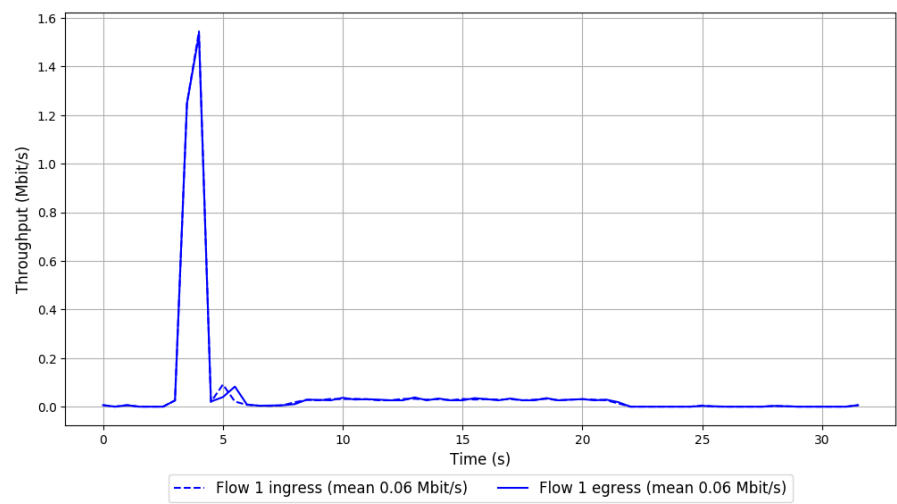
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.430 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 00:53:14

End at: 2018-04-17 00:53:44

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

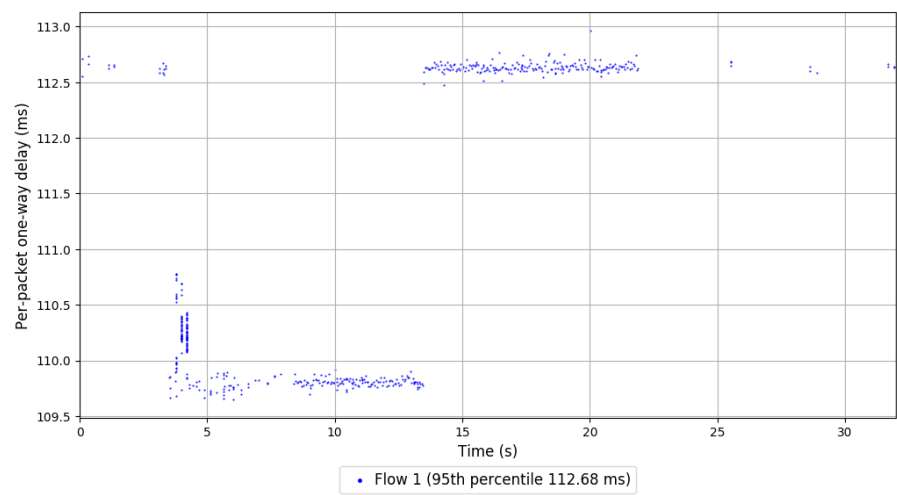
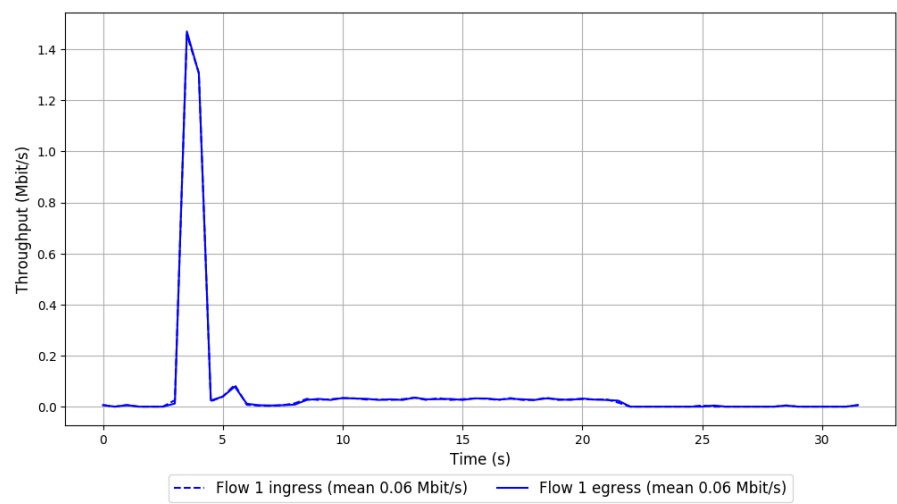
-- Flow 1:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 01:07:40

End at: 2018-04-17 01:08:10

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.455 ms

Loss rate: 0.00%

-- Flow 1:

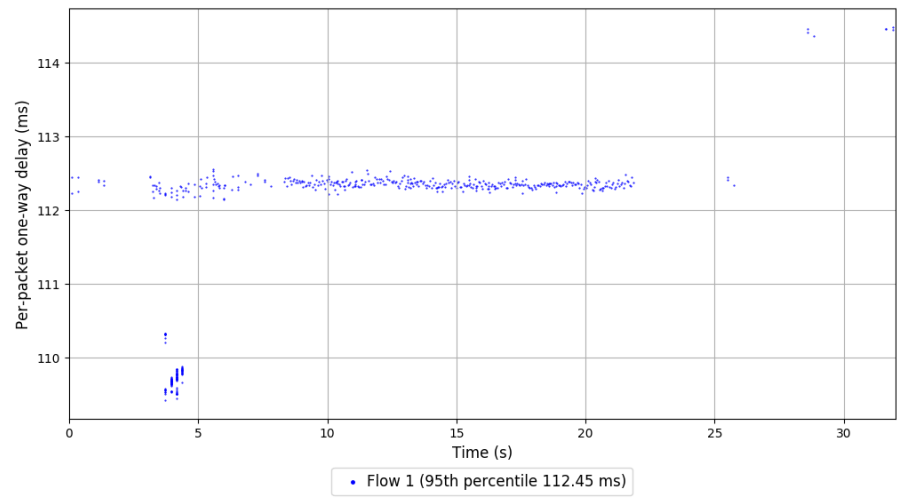
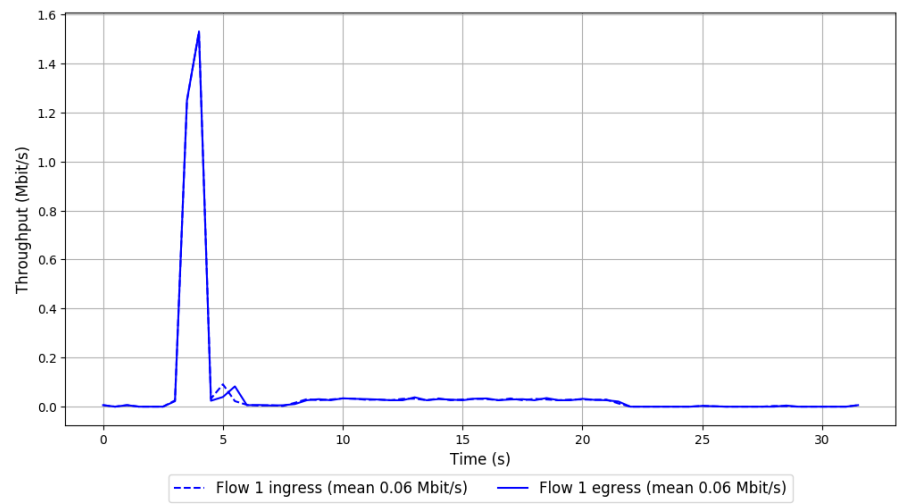
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.455 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 01:21:26

End at: 2018-04-17 01:21:56

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.201 ms

Loss rate: 0.00%

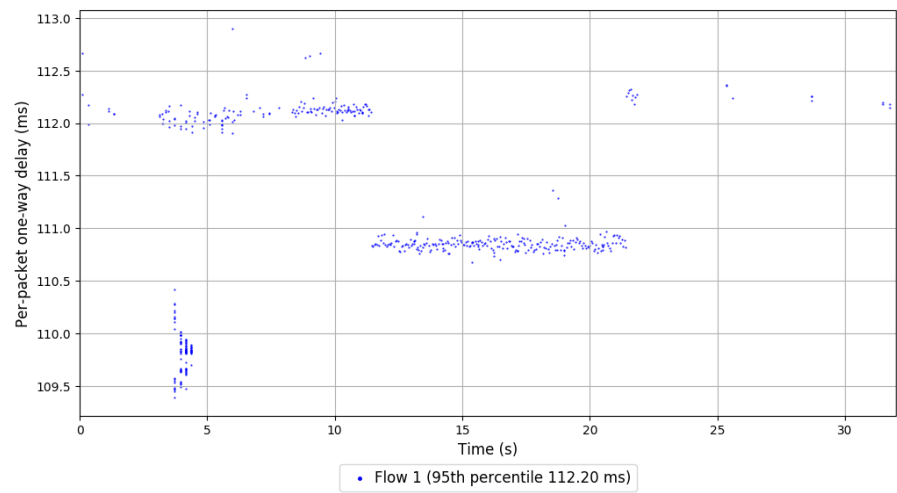
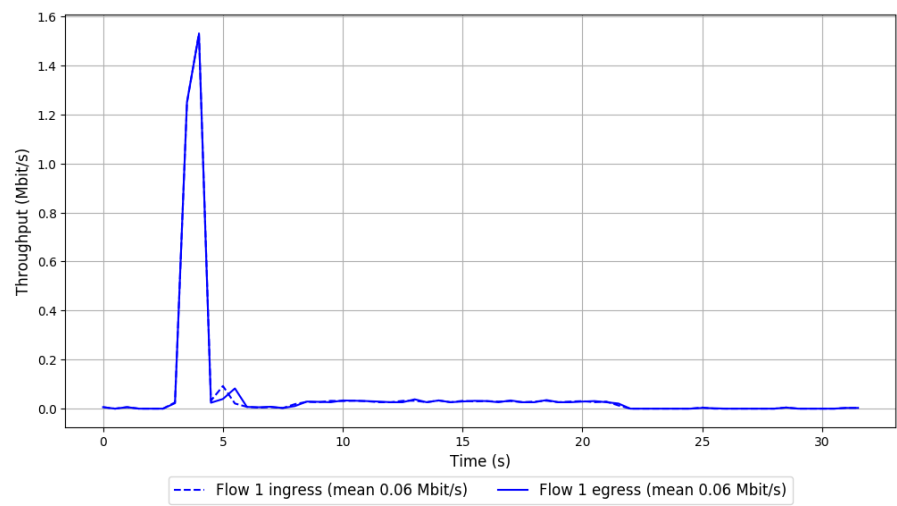
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.201 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-16 23:17:05

End at: 2018-04-16 23:17:35

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 112.478 ms

Loss rate: 0.00%

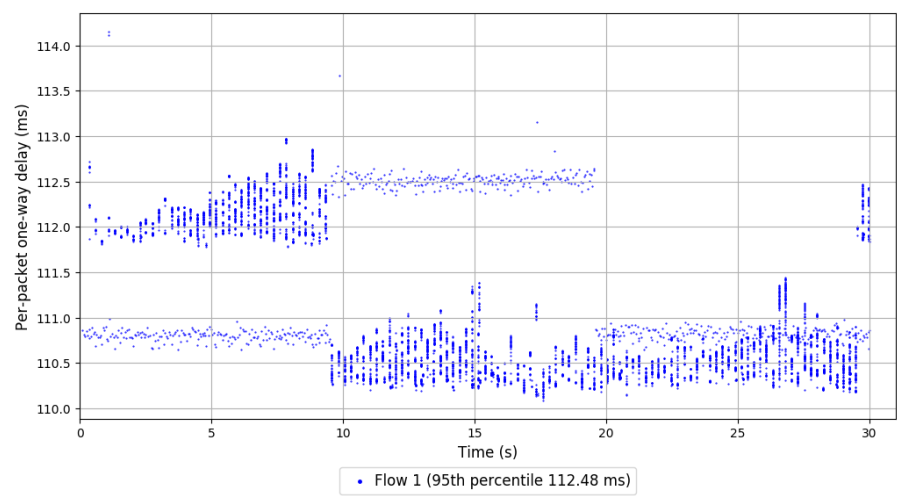
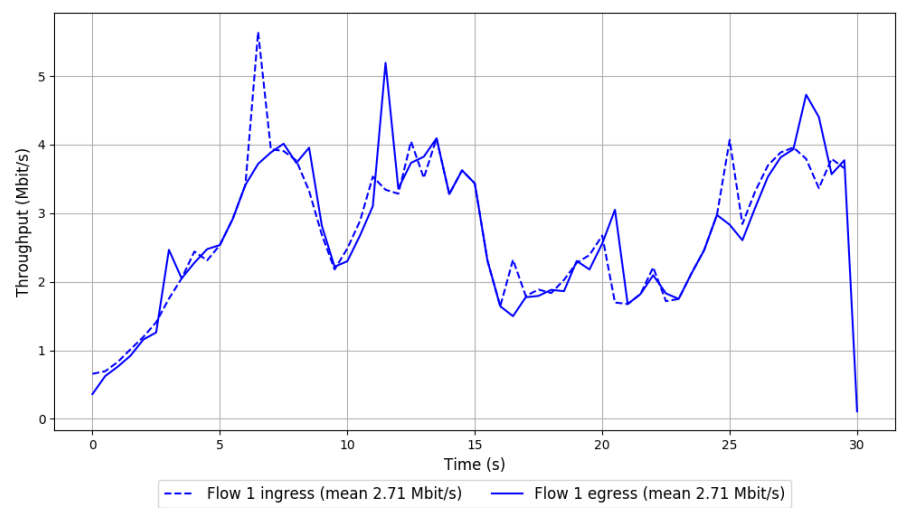
-- Flow 1:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 112.478 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-16 23:30:48

End at: 2018-04-16 23:31:18

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 111.852 ms

Loss rate: 0.00%

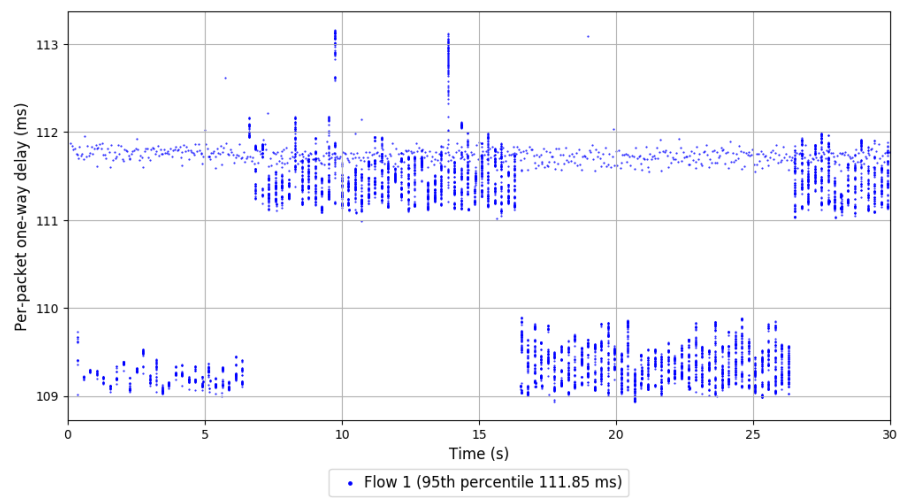
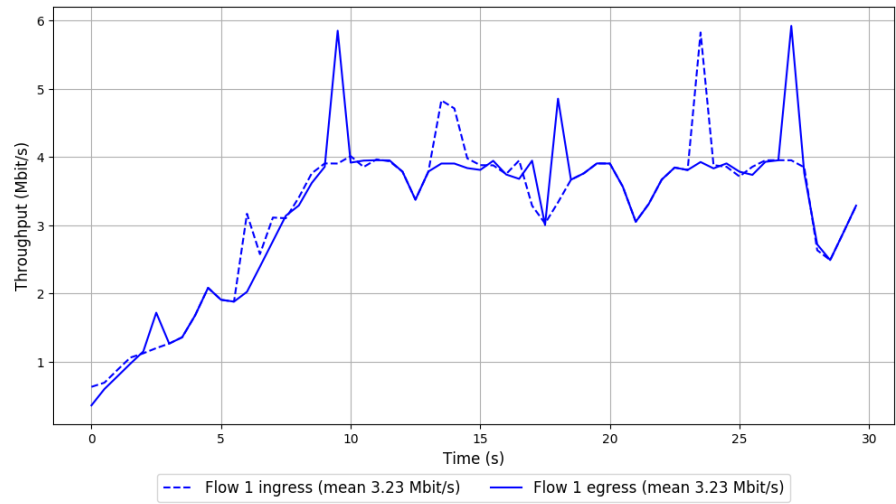
-- Flow 1:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 111.852 ms

Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-16 23:44:43

End at: 2018-04-16 23:45:13

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.01 Mbit/s

95th percentile per-packet one-way delay: 111.835 ms

Loss rate: 0.00%

-- Flow 1:

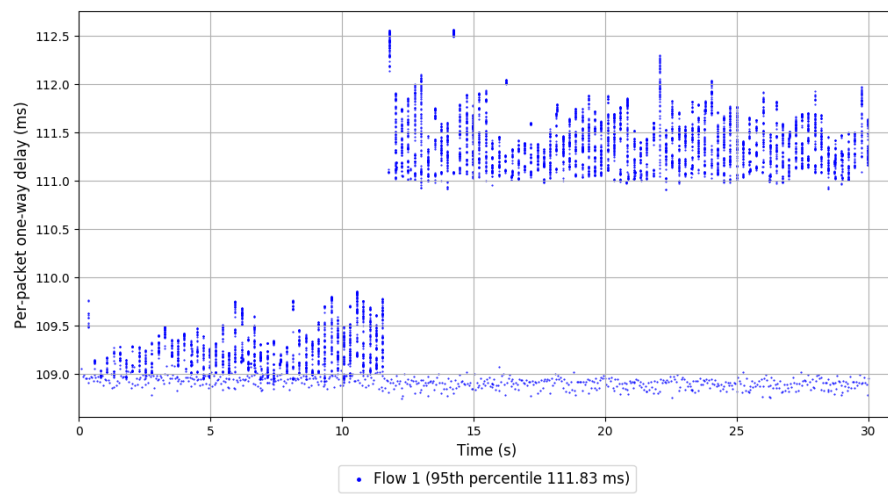
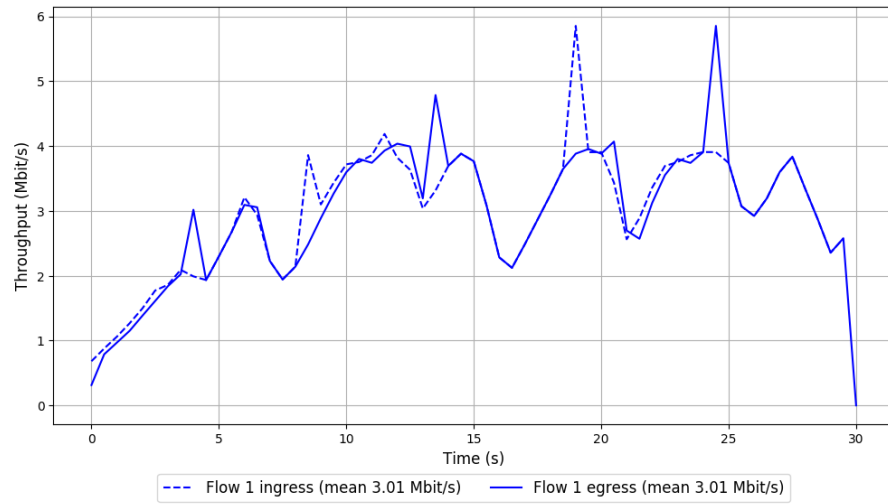
Average throughput: 3.01 Mbit/s

95th percentile per-packet one-way delay: 111.835 ms

Loss rate: 0.00%



### Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-16 23:59:01

End at: 2018-04-16 23:59:31

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 111.437 ms

Loss rate: 0.00%

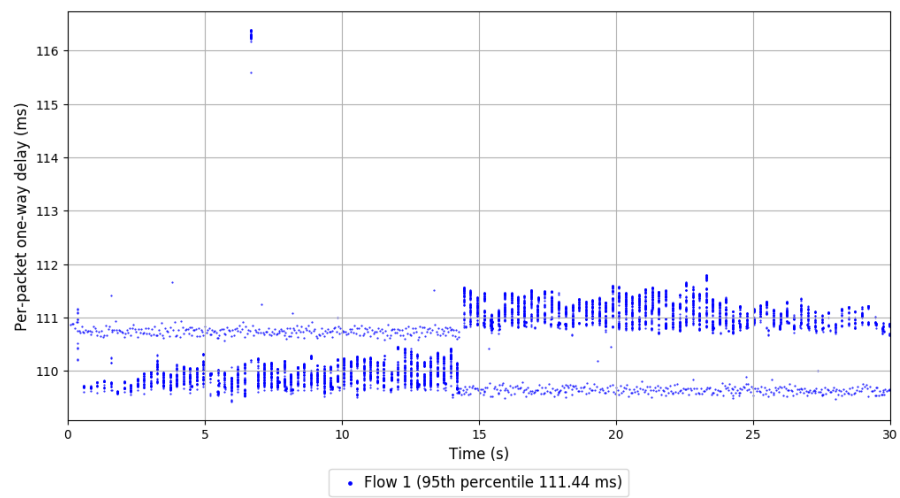
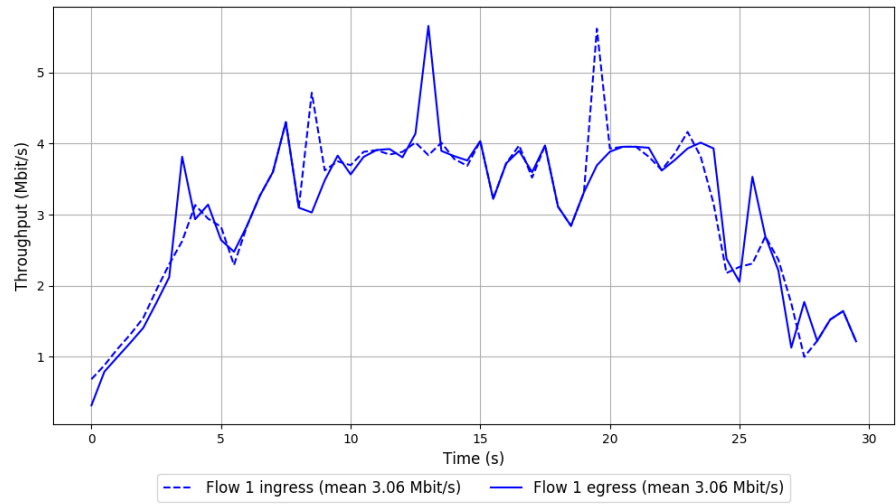
-- Flow 1:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 111.437 ms

Loss rate: 0.00%

#### Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-17 00:13:05

End at: 2018-04-17 00:13:35

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 112.333 ms

Loss rate: 0.00%

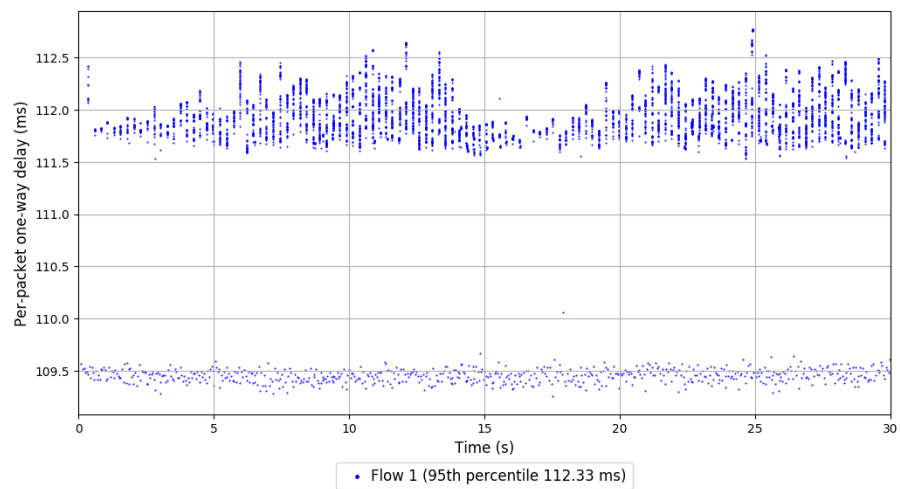
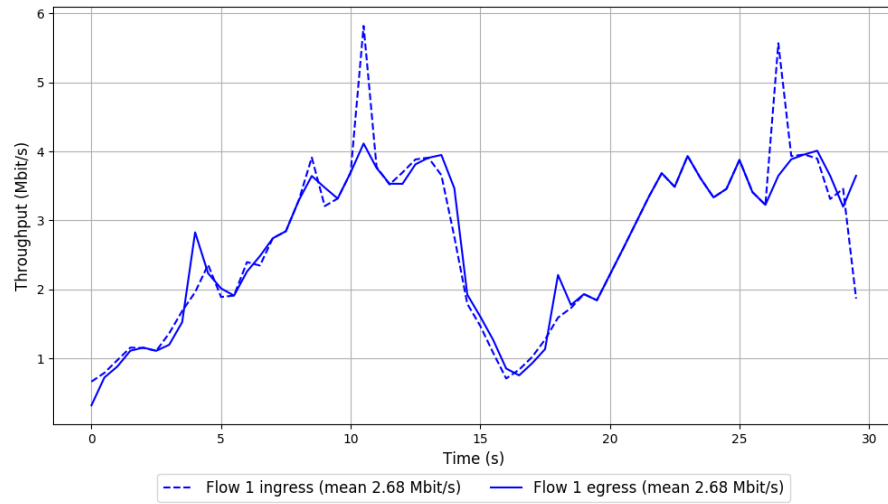
-- Flow 1:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 112.333 ms

Loss rate: 0.00%

## Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 00:26:44

End at: 2018-04-17 00:27:14

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 112.128 ms

Loss rate: 0.00%

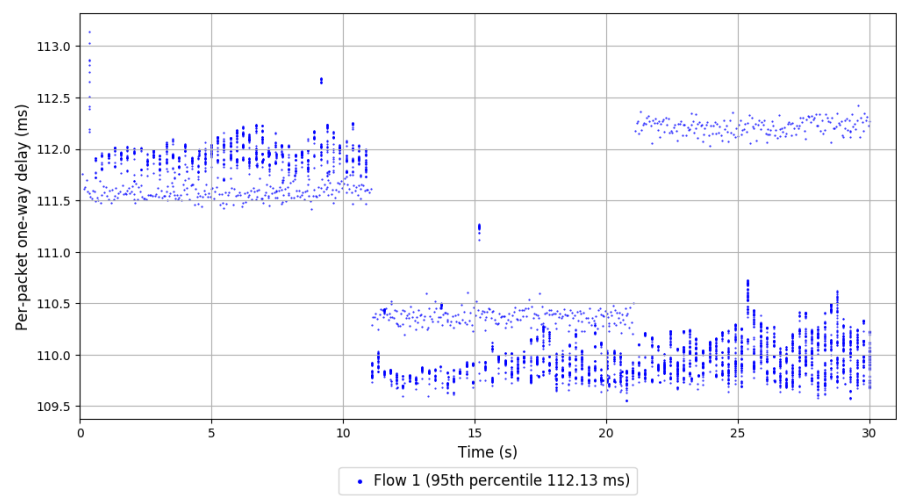
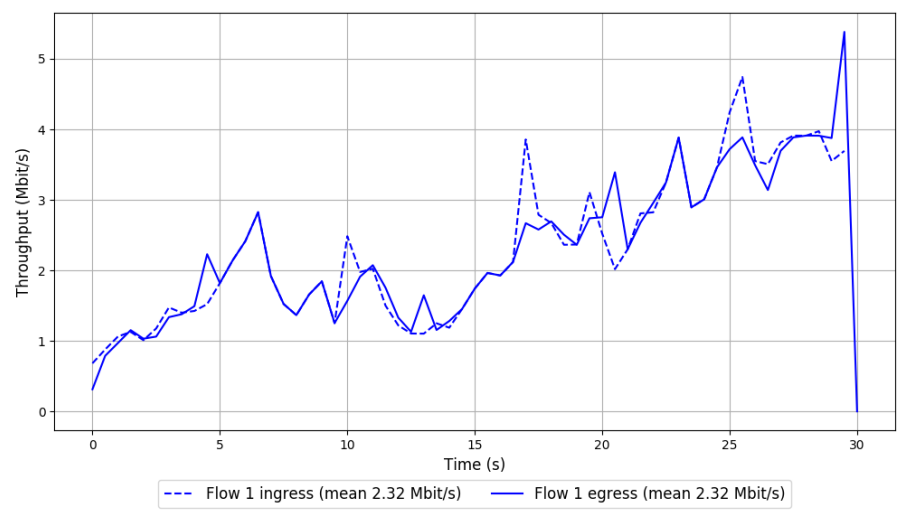
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 112.128 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-17 00:40:59

End at: 2018-04-17 00:41:29

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.80 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

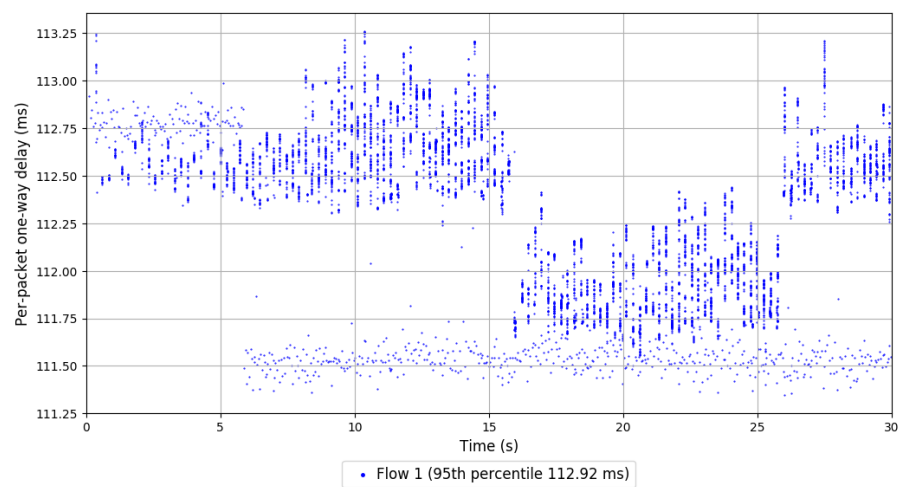
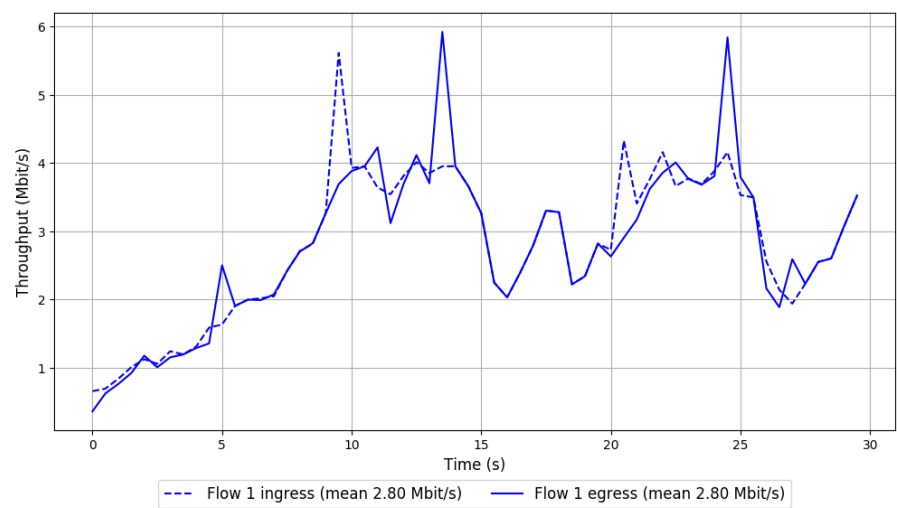
Average throughput: 2.80 Mbit/s

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

Loss rate: 0.00%



Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-17 00:54:46

End at: 2018-04-17 00:55:16

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 112.666 ms

Loss rate: 0.00%

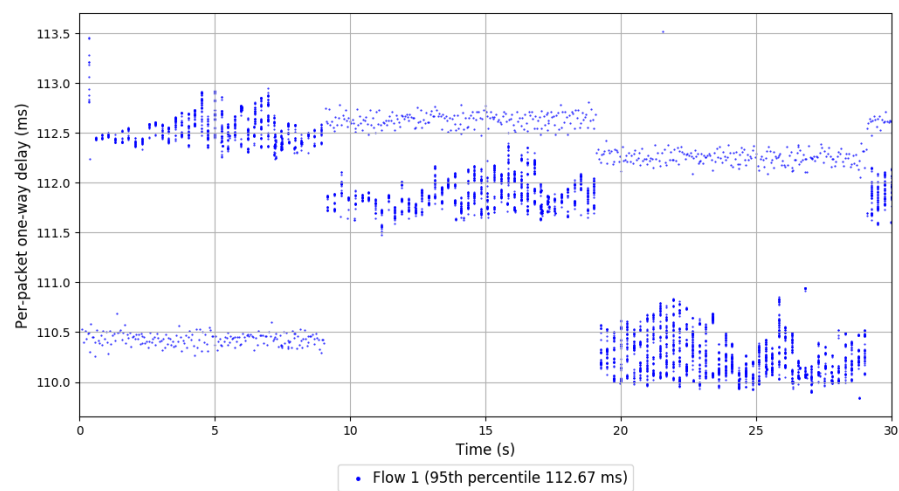
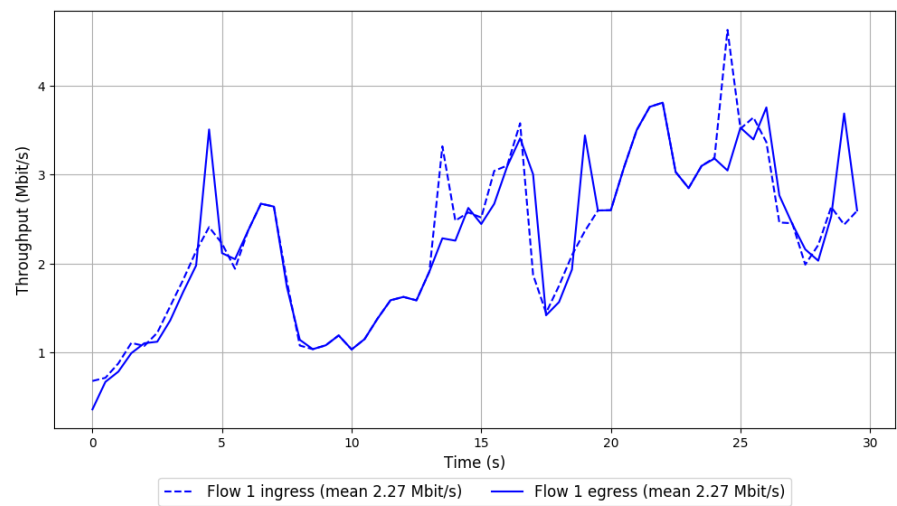
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 112.666 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

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

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

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

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

Loss rate: 0.00%

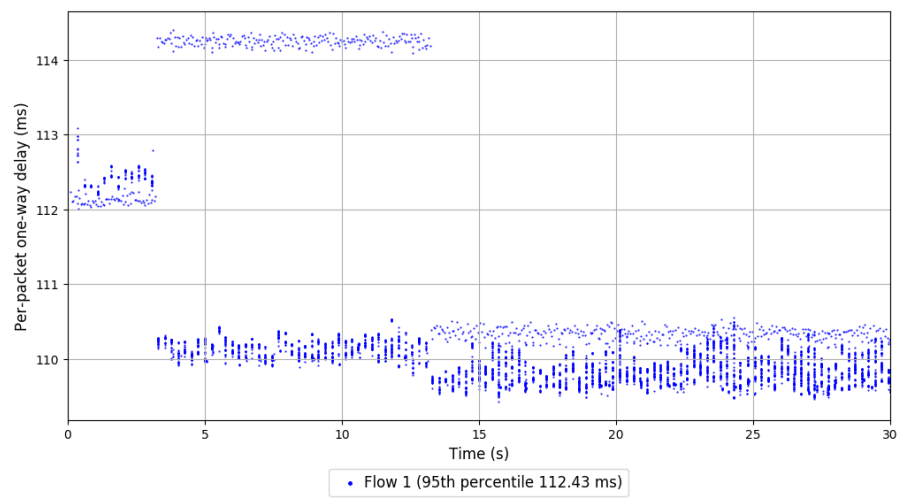
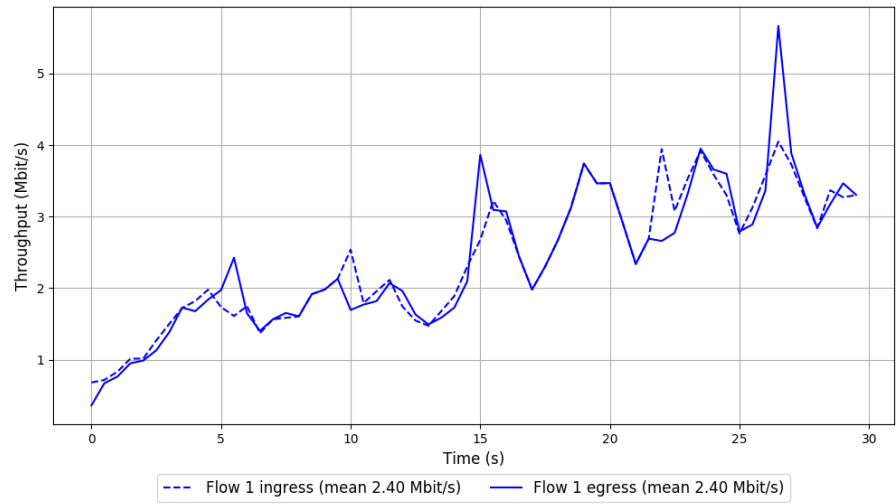
-- Flow 1:

Average throughput: 2.40 Mbit/s

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

Loss rate: 0.00%

### Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 01:22:58

End at: 2018-04-17 01:23:28

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.99 Mbit/s

95th percentile per-packet one-way delay: 112.630 ms

Loss rate: 0.00%

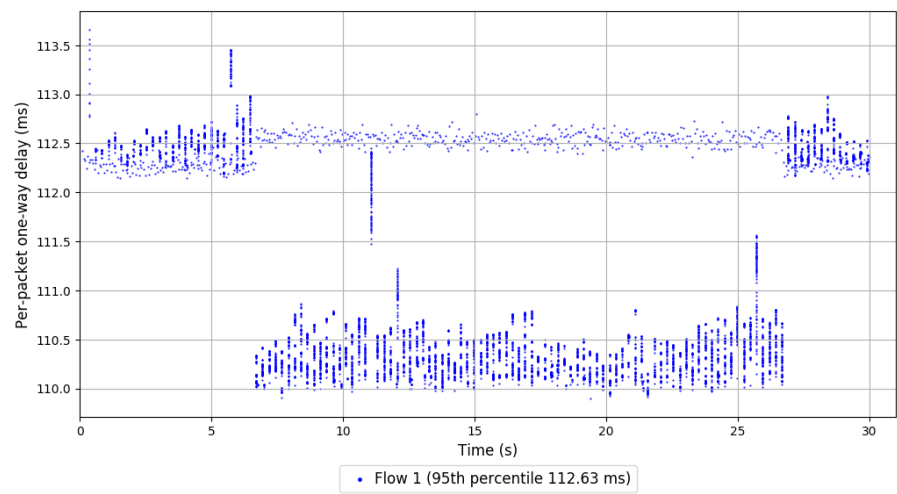
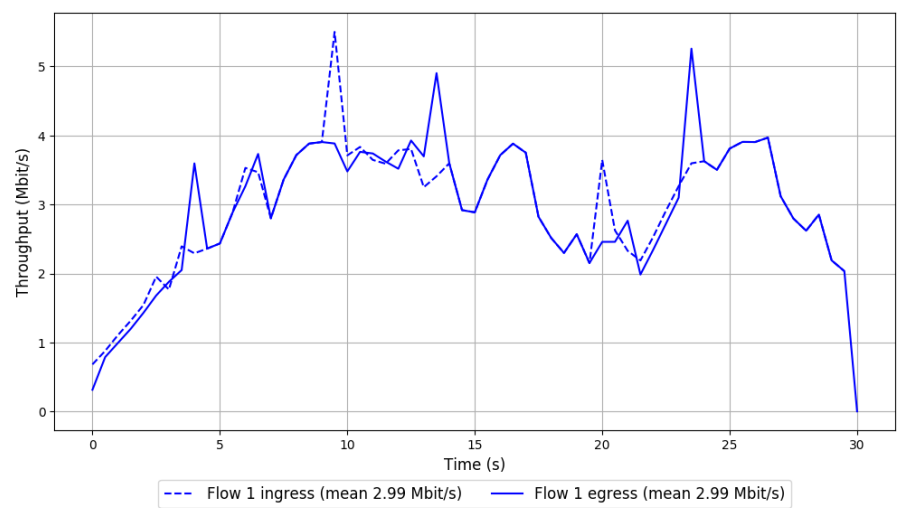
-- Flow 1:

Average throughput: 2.99 Mbit/s

95th percentile per-packet one-way delay: 112.630 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



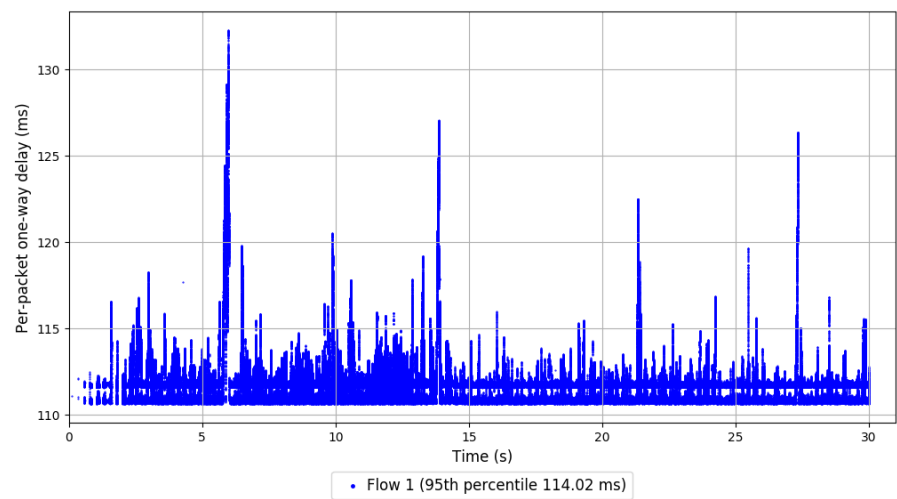
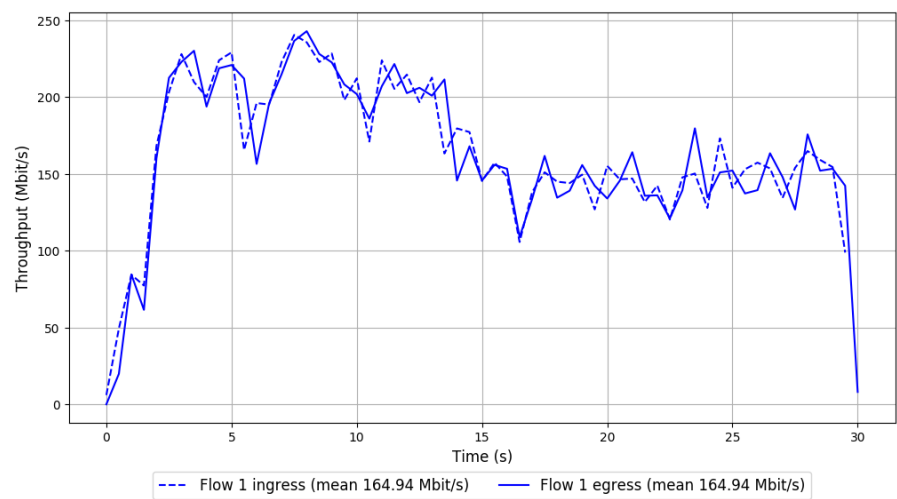
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-16 23:05:21
End at: 2018-04-16 23:05:51

# Below is generated by plot.py at 2018-04-17 02:51:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 164.94 Mbit/s
95th percentile per-packet one-way delay: 114.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.94 Mbit/s
95th percentile per-packet one-way delay: 114.024 ms
Loss rate: 0.00%
```



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

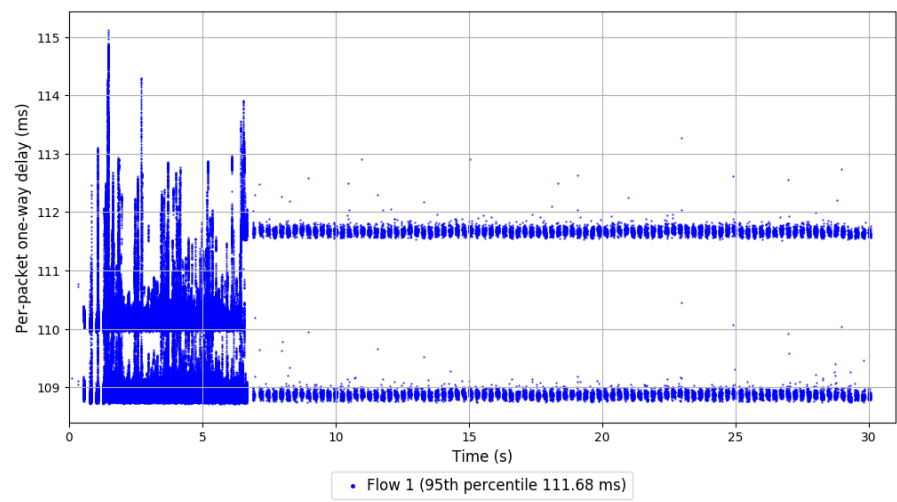
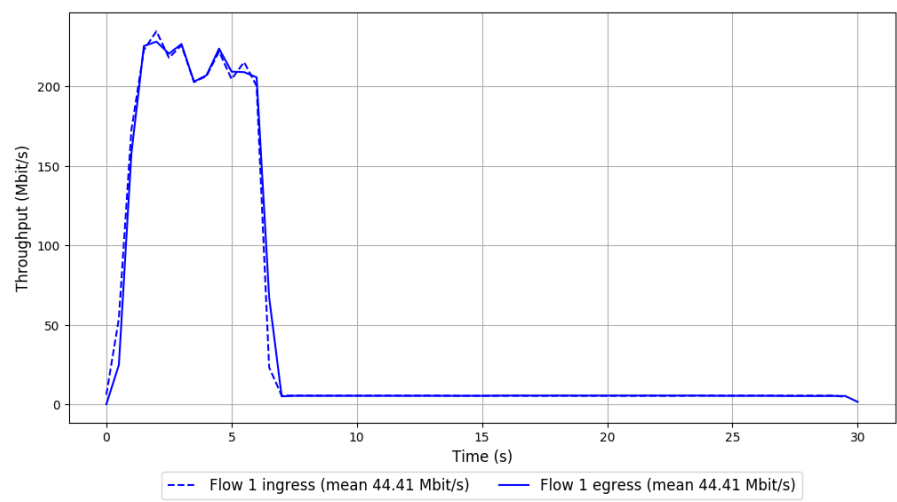


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-16 23:19:18
End at: 2018-04-16 23:19:48

# Below is generated by plot.py at 2018-04-17 02:51:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 111.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 111.682 ms
Loss rate: 0.00%
```

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

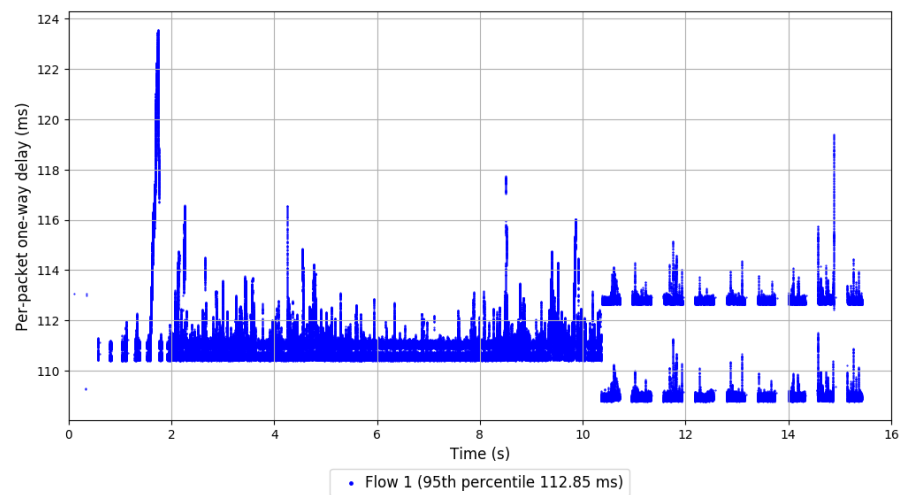
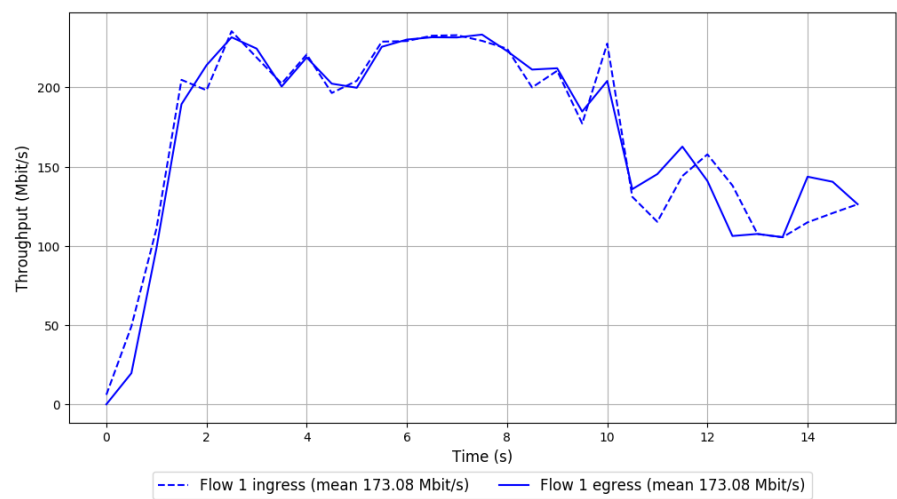


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-16 23:33:05

End at: 2018-04-16 23:33:35

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

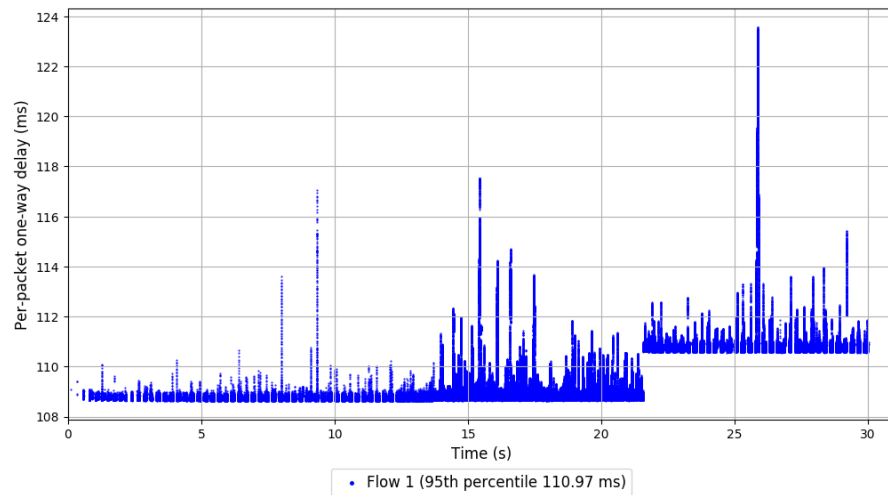
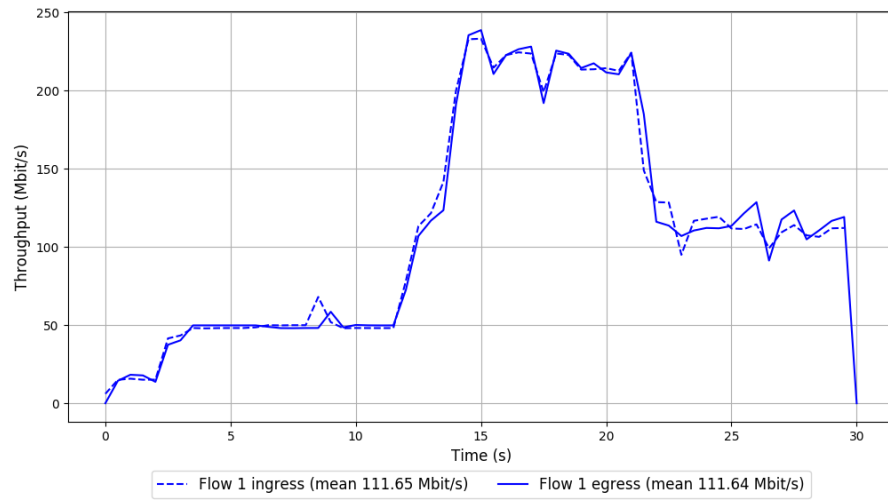


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-04-16 23:47:03
End at: 2018-04-16 23:47:33

# Below is generated by plot.py at 2018-04-17 02:51:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.64 Mbit/s
95th percentile per-packet one-way delay: 110.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.64 Mbit/s
95th percentile per-packet one-way delay: 110.968 ms
Loss rate: 0.00%
```

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 00:01:26

End at: 2018-04-17 00:01:56

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 111.537 ms

Loss rate: 0.00%

-- Flow 1:

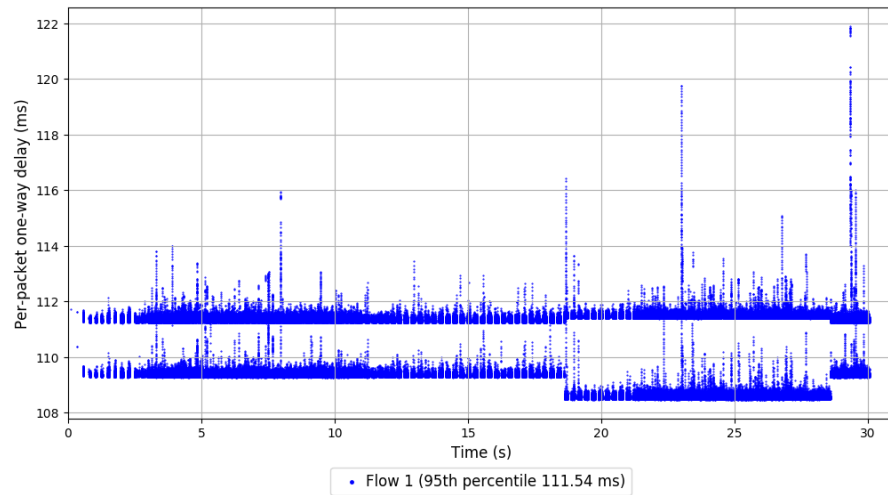
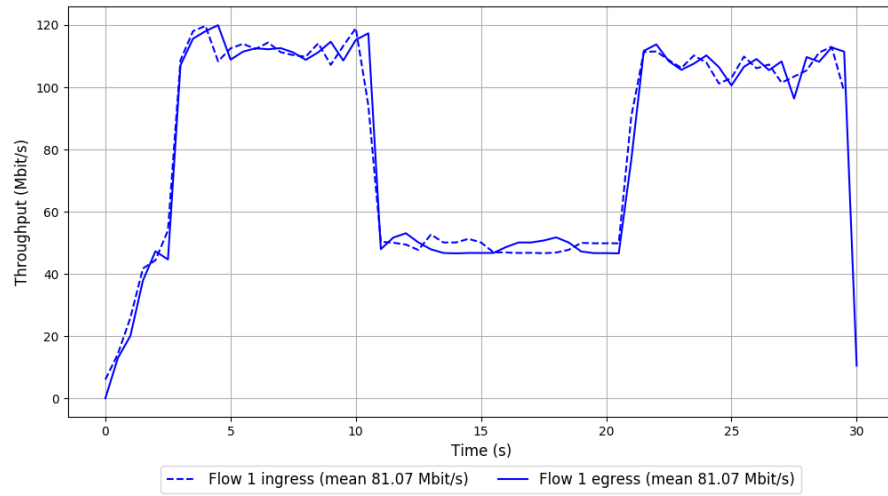
Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 111.537 ms

Loss rate: 0.00%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 00:15:22

End at: 2018-04-17 00:15:52

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.77 Mbit/s

95th percentile per-packet one-way delay: 111.966 ms

Loss rate: 0.00%

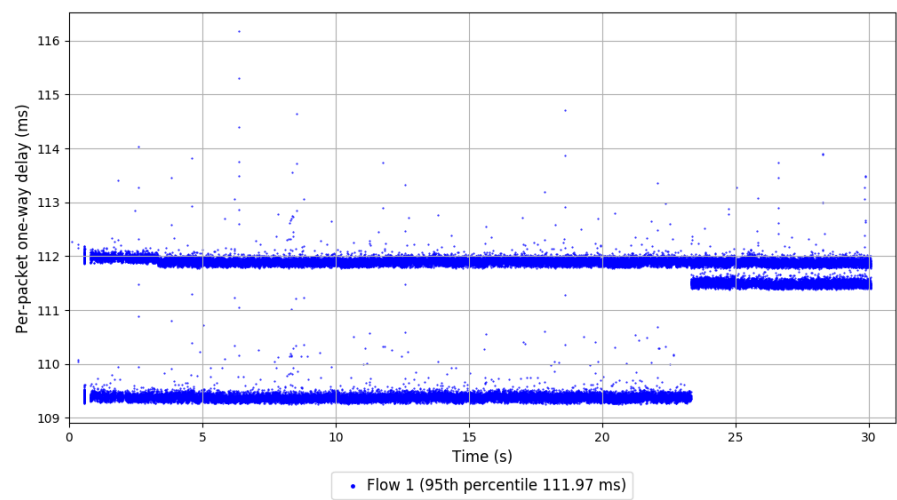
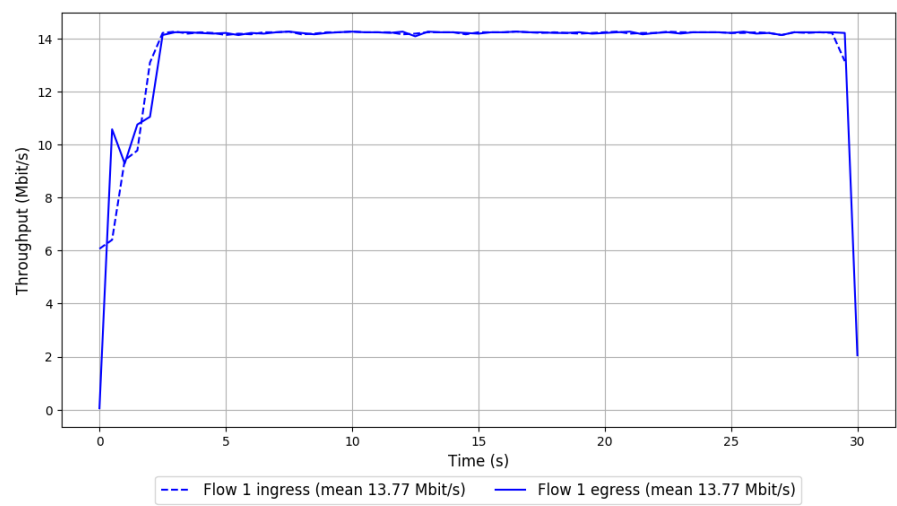
-- Flow 1:

Average throughput: 13.77 Mbit/s

95th percentile per-packet one-way delay: 111.966 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 00:29:04

End at: 2018-04-17 00:29:34

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 201.90 Mbit/s

95th percentile per-packet one-way delay: 112.249 ms

Loss rate: 0.00%

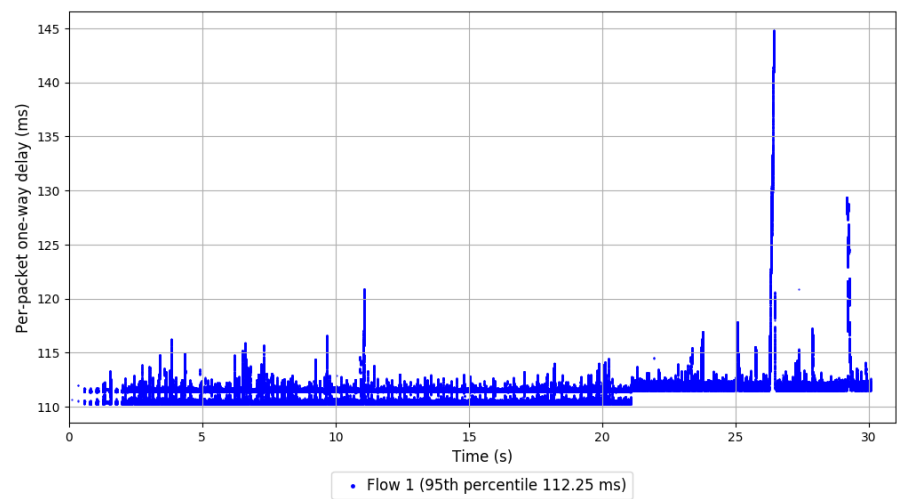
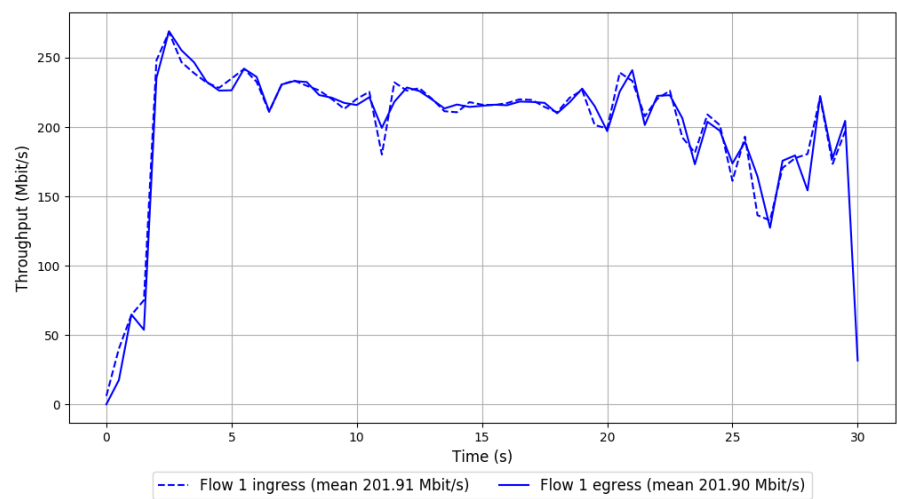
-- Flow 1:

Average throughput: 201.90 Mbit/s

95th percentile per-packet one-way delay: 112.249 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 00:43:21

End at: 2018-04-17 00:43:51

# Below is generated by plot.py at 2018-04-17 02:51:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.99 Mbit/s

95th percentile per-packet one-way delay: 112.239 ms

Loss rate: 0.00%

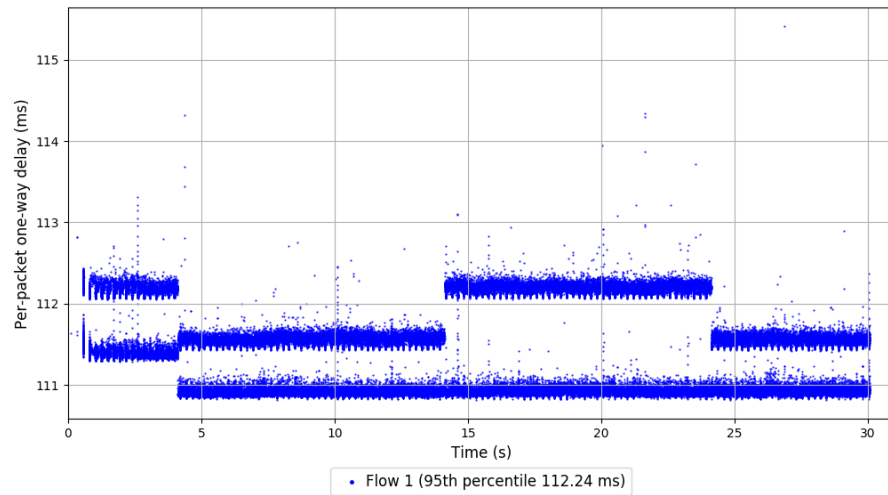
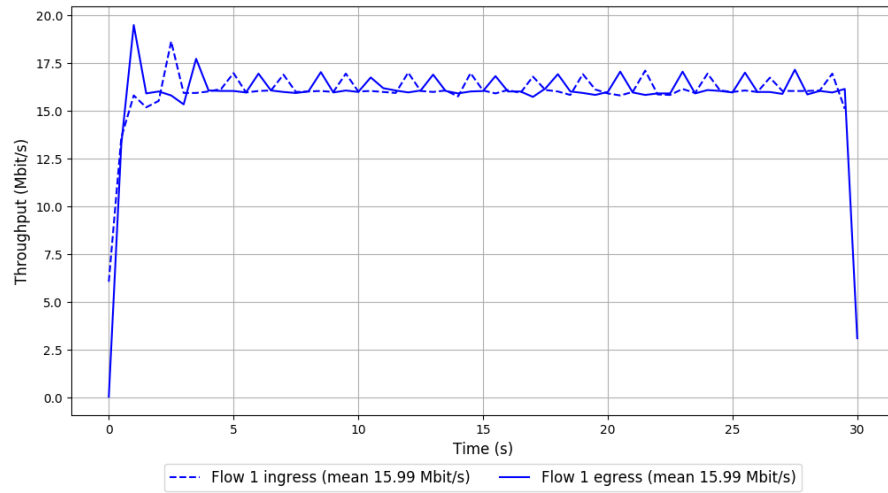
-- Flow 1:

Average throughput: 15.99 Mbit/s

95th percentile per-packet one-way delay: 112.239 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 00:57:01

End at: 2018-04-17 00:57:31

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 198.68 Mbit/s

95th percentile per-packet one-way delay: 112.810 ms

Loss rate: 0.00%

-- Flow 1:

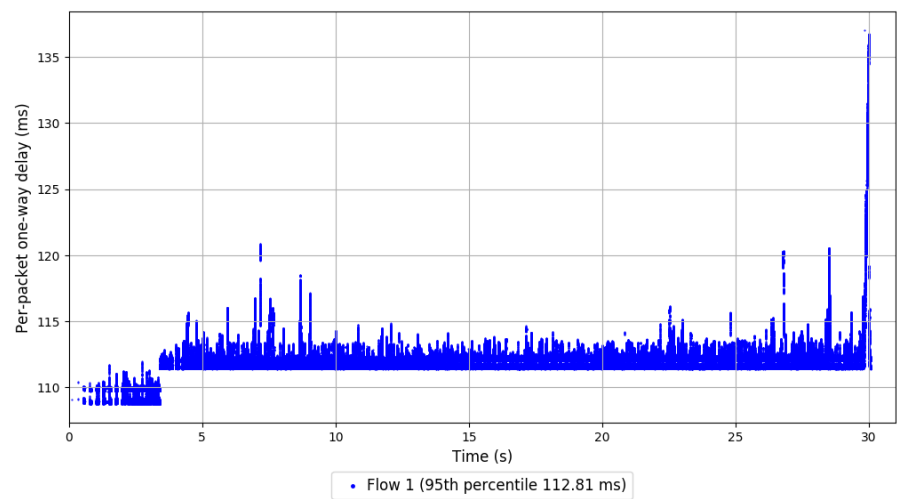
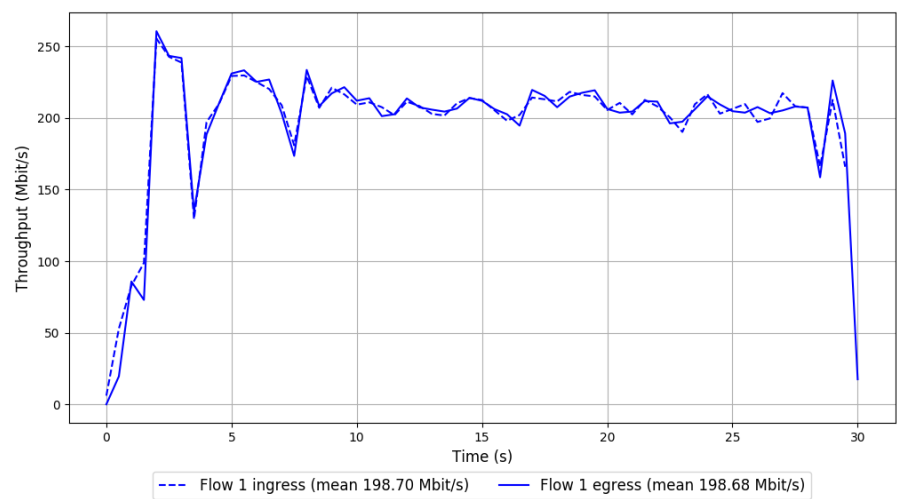
Average throughput: 198.68 Mbit/s

95th percentile per-packet one-way delay: 112.810 ms

Loss rate: 0.00%



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

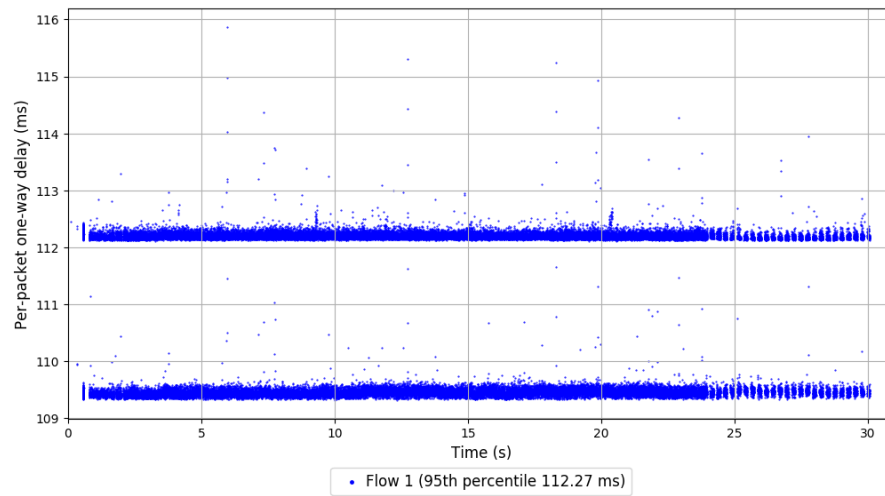
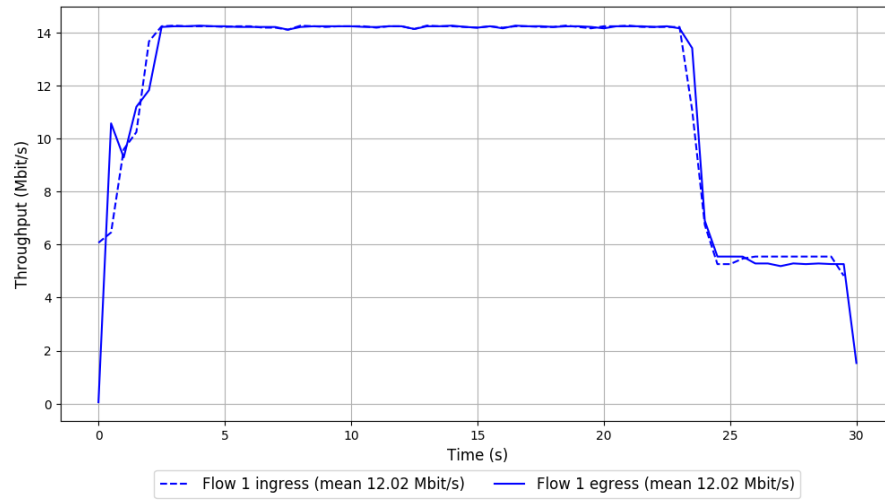


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 01:11:32
End at: 2018-04-17 01:12:02

# Below is generated by plot.py at 2018-04-17 02:51:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 112.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 112.272 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-16 23:10:19

End at: 2018-04-16 23:10:49

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 101.26 Mbit/s

95th percentile per-packet one-way delay: 120.687 ms

Loss rate: 0.00%

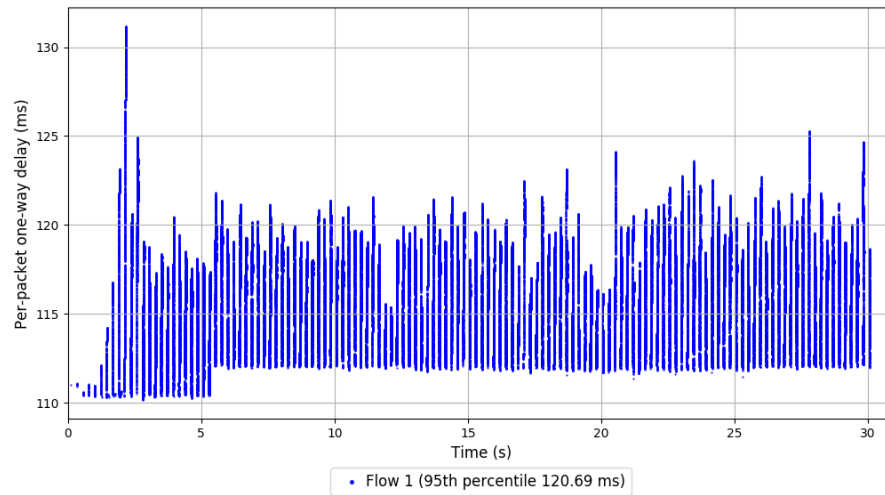
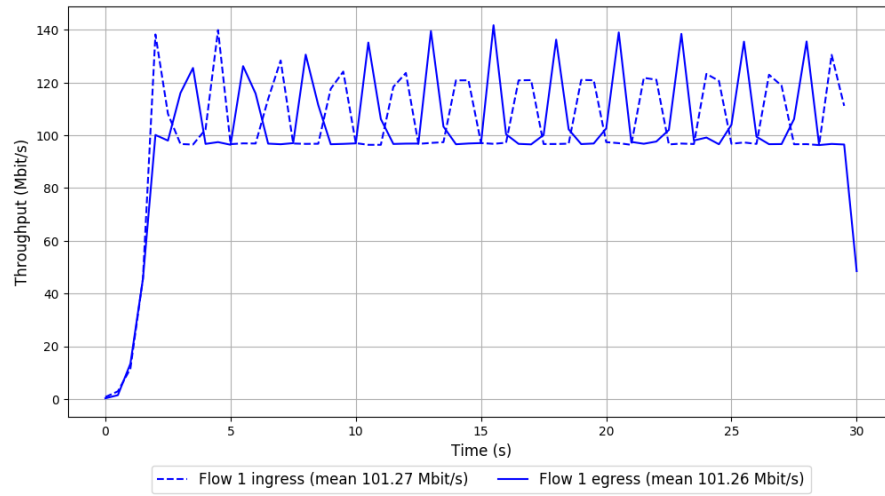
-- Flow 1:

Average throughput: 101.26 Mbit/s

95th percentile per-packet one-way delay: 120.687 ms

Loss rate: 0.00%

### Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-16 23:24:07

End at: 2018-04-16 23:24:37

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.11 Mbit/s

95th percentile per-packet one-way delay: 116.681 ms

Loss rate: 0.00%

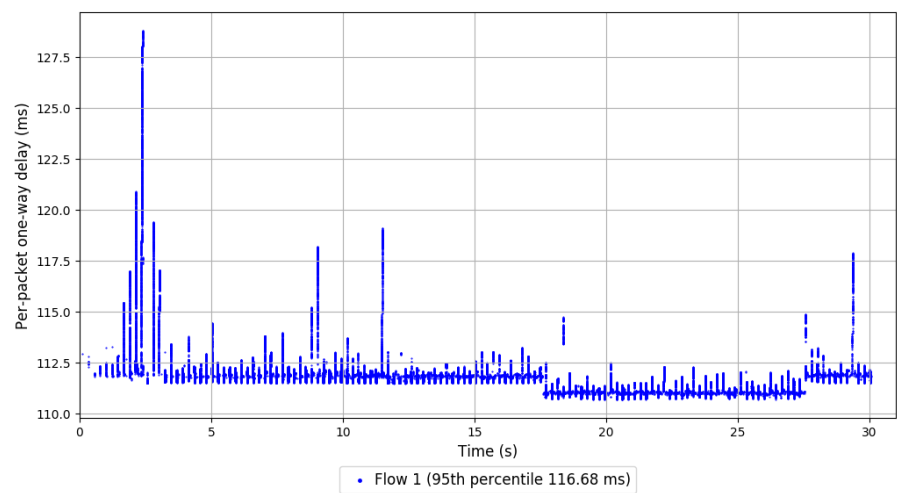
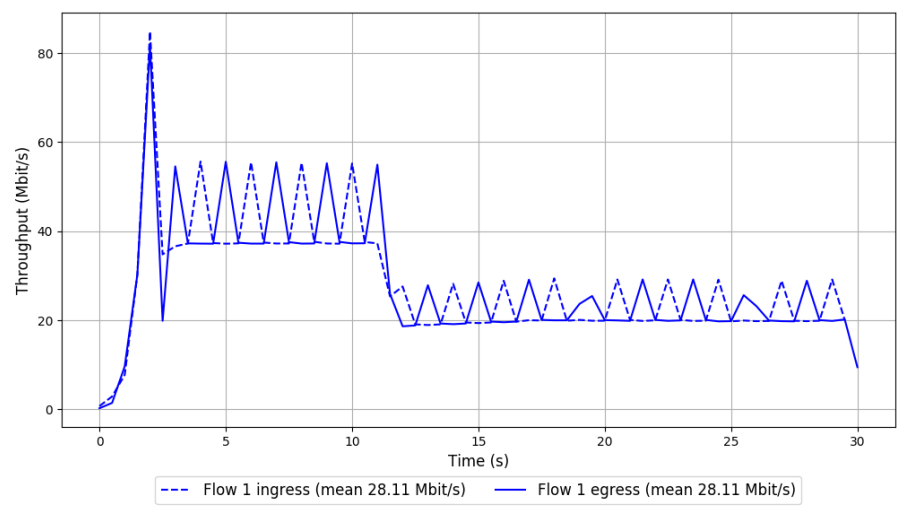
-- Flow 1:

Average throughput: 28.11 Mbit/s

95th percentile per-packet one-way delay: 116.681 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-16 23:37:55

End at: 2018-04-16 23:38:25

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 112.314 ms

Loss rate: 0.00%

-- Flow 1:

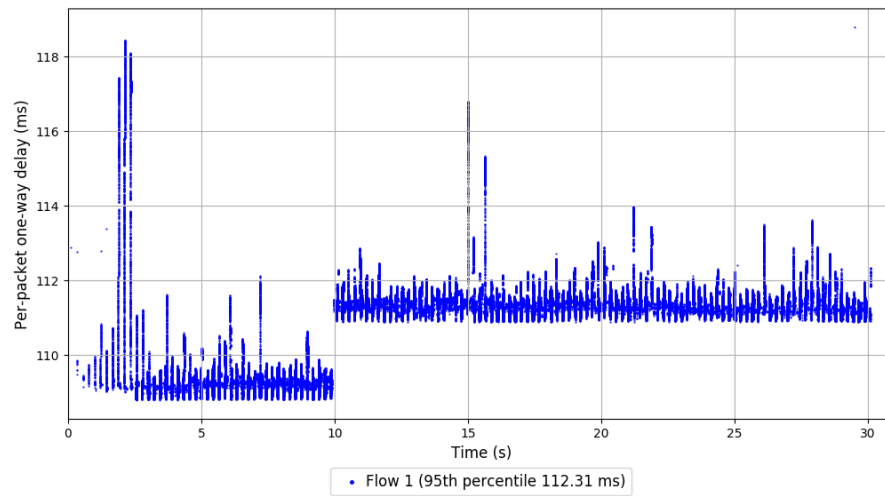
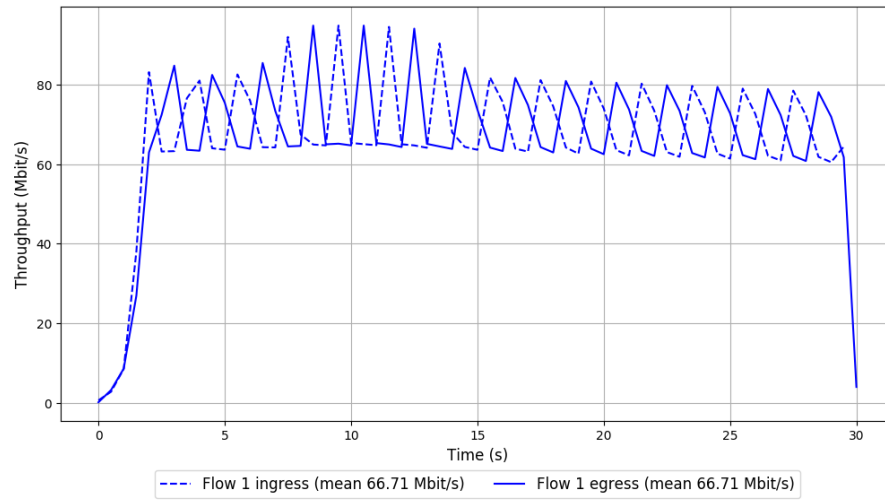
Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 112.314 ms

Loss rate: 0.00%



### Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-04-16 23:52:20

End at: 2018-04-16 23:52:50

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 114.769 ms

Loss rate: 0.00%

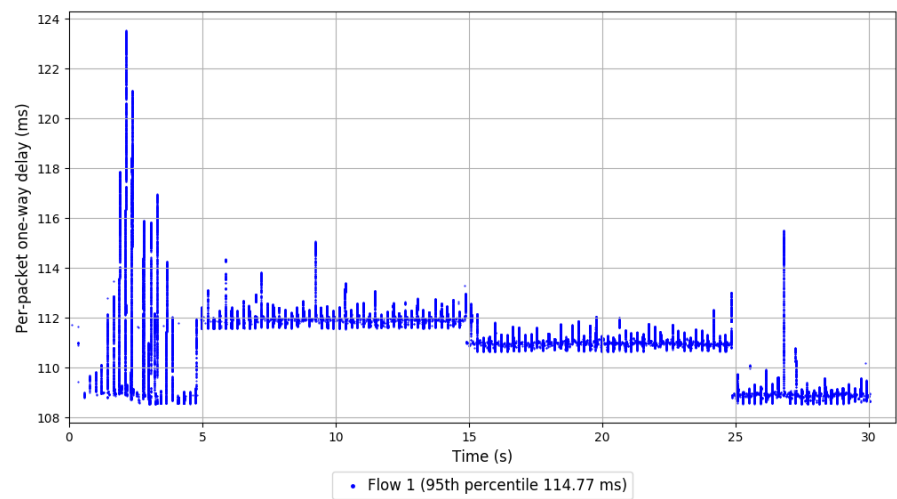
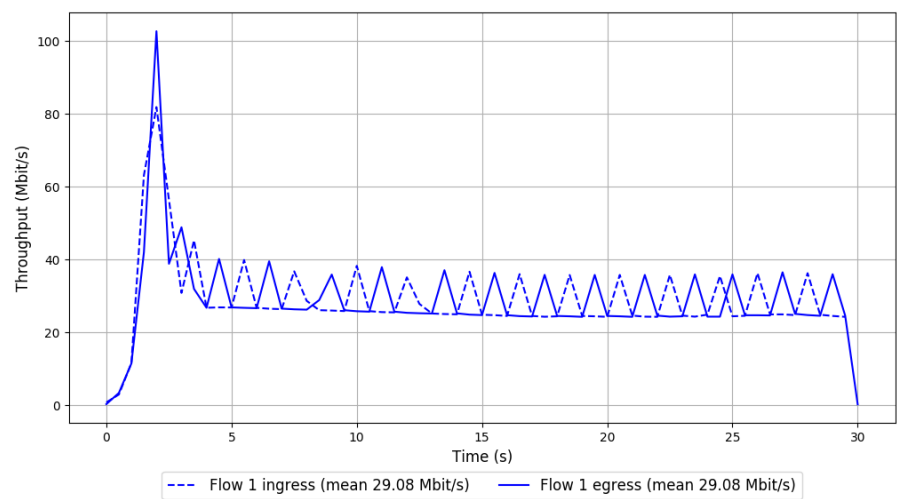
-- Flow 1:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 114.769 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 00:06:18

End at: 2018-04-17 00:06:48

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.52 Mbit/s

95th percentile per-packet one-way delay: 116.140 ms

Loss rate: 0.00%

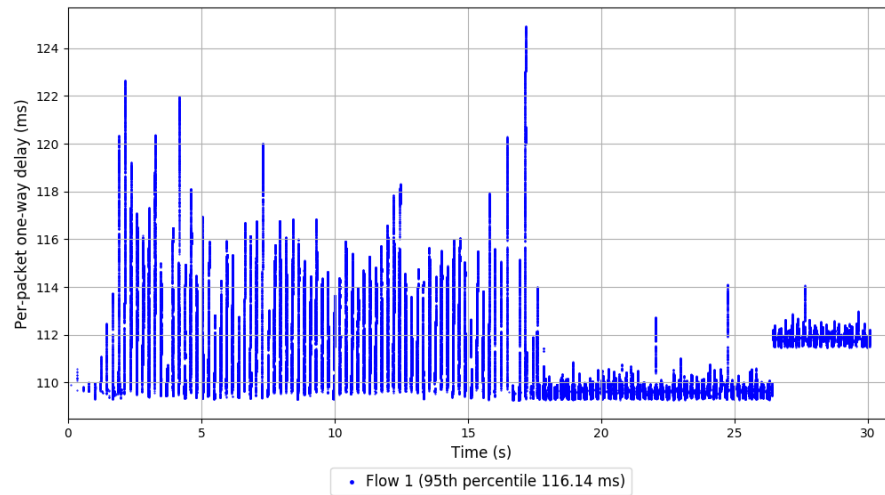
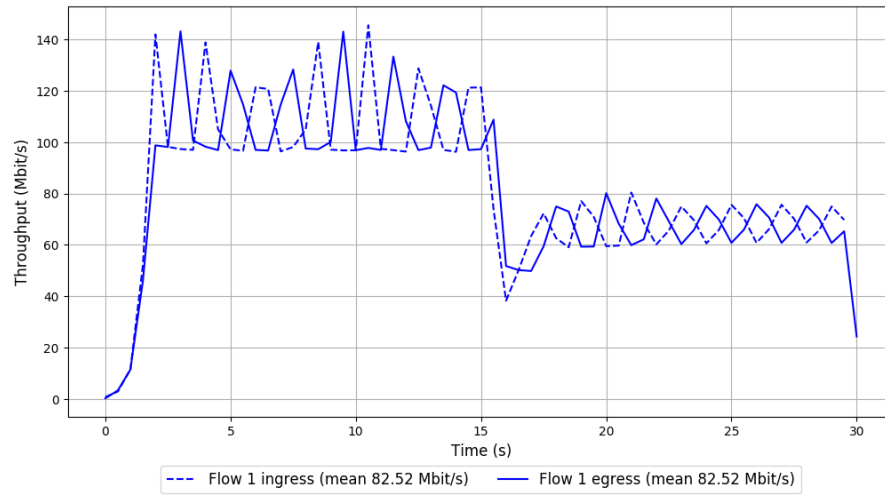
-- Flow 1:

Average throughput: 82.52 Mbit/s

95th percentile per-packet one-way delay: 116.140 ms

Loss rate: 0.00%

### Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 00:20:04

End at: 2018-04-17 00:20:34

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 103.22 Mbit/s

95th percentile per-packet one-way delay: 119.742 ms

Loss rate: 0.00%

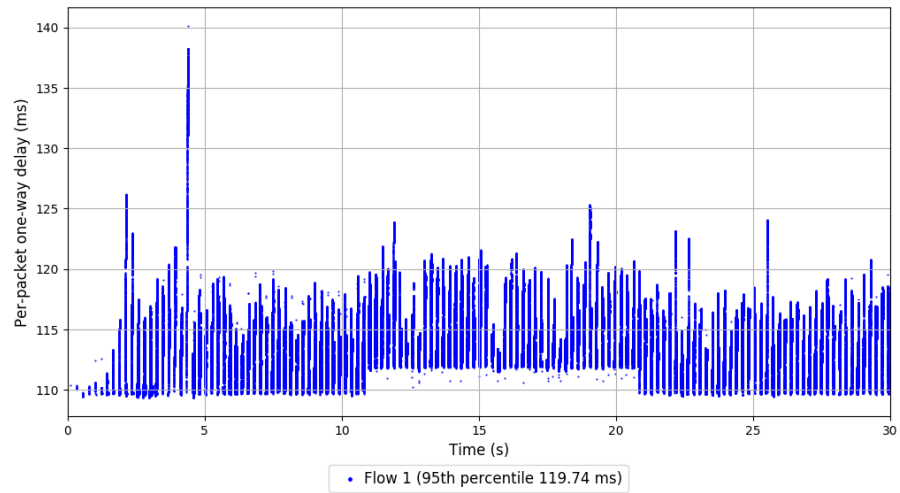
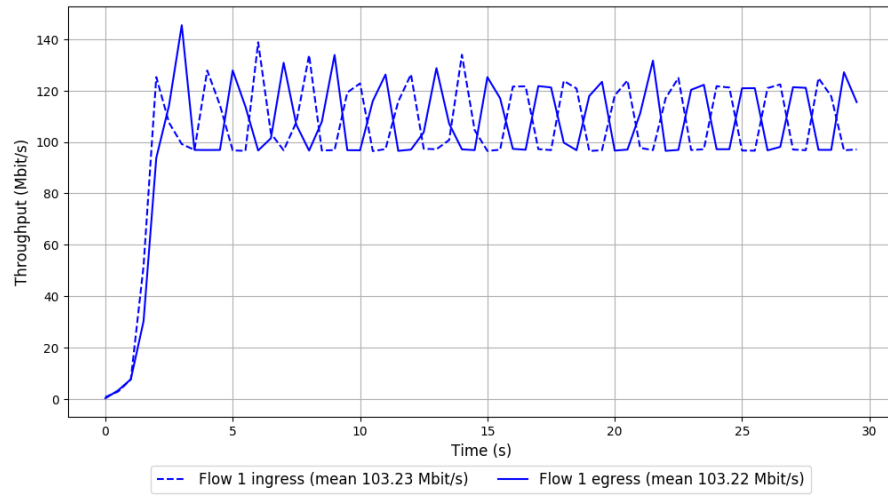
-- Flow 1:

Average throughput: 103.22 Mbit/s

95th percentile per-packet one-way delay: 119.742 ms

Loss rate: 0.00%

## Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 00:34:10

End at: 2018-04-17 00:34:40

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.16 Mbit/s

95th percentile per-packet one-way delay: 113.221 ms

Loss rate: 0.00%

-- Flow 1:

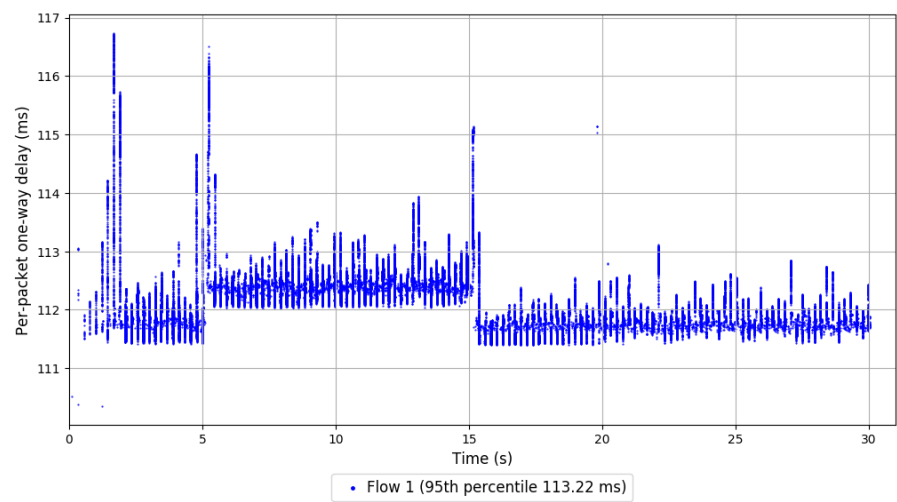
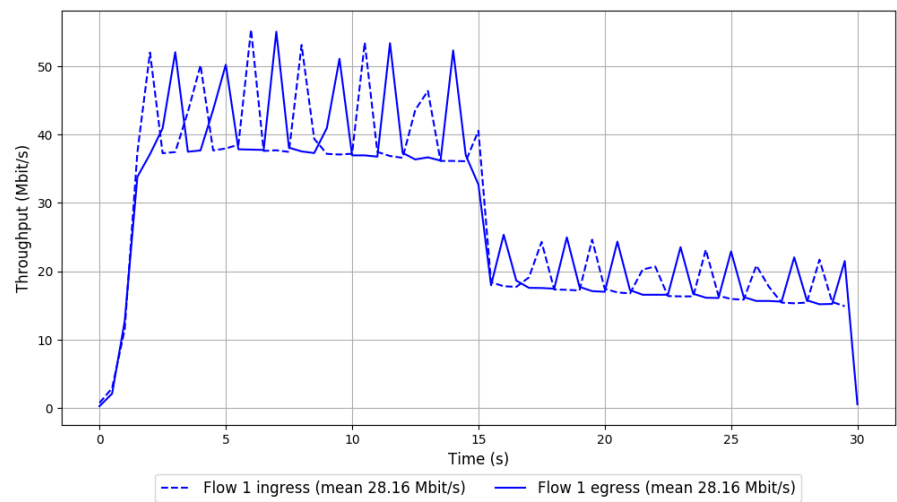
Average throughput: 28.16 Mbit/s

95th percentile per-packet one-way delay: 113.221 ms

Loss rate: 0.00%



Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 00:48:07

End at: 2018-04-17 00:48:37

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.63 Mbit/s

95th percentile per-packet one-way delay: 113.403 ms

Loss rate: 0.00%

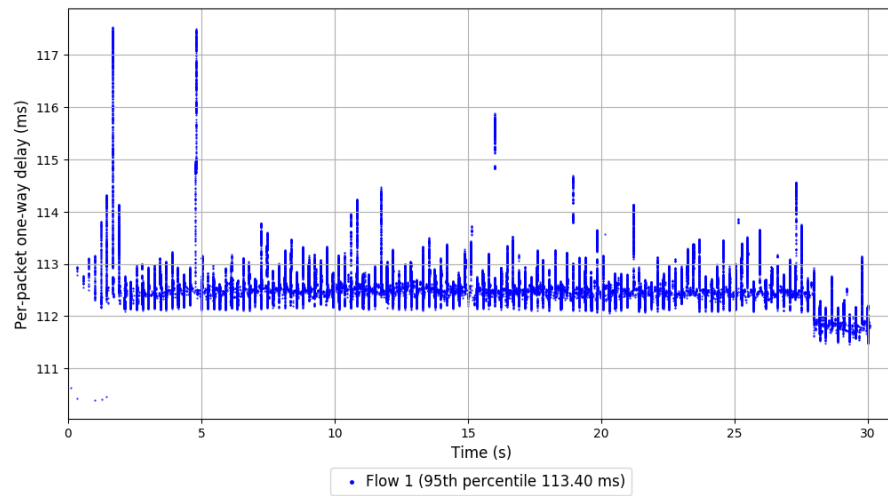
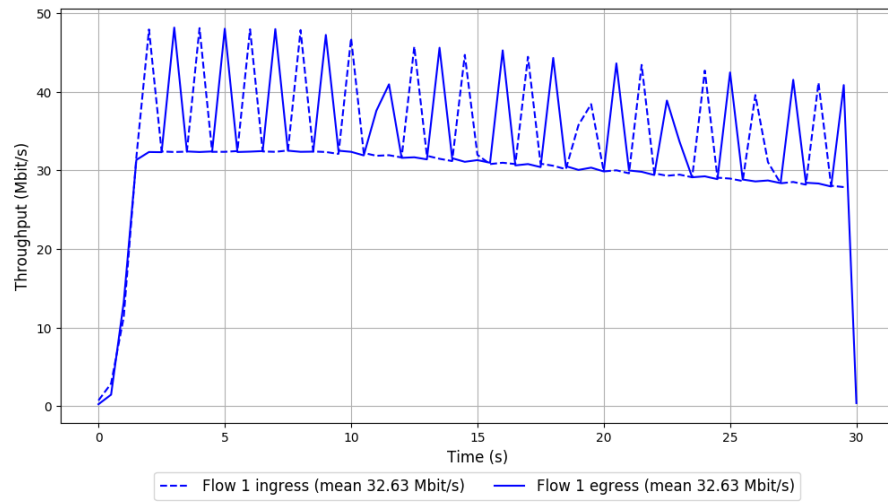
-- Flow 1:

Average throughput: 32.63 Mbit/s

95th percentile per-packet one-way delay: 113.403 ms

Loss rate: 0.00%

### Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 01:02:32

End at: 2018-04-17 01:03:02

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.75 Mbit/s

95th percentile per-packet one-way delay: 111.734 ms

Loss rate: 0.00%

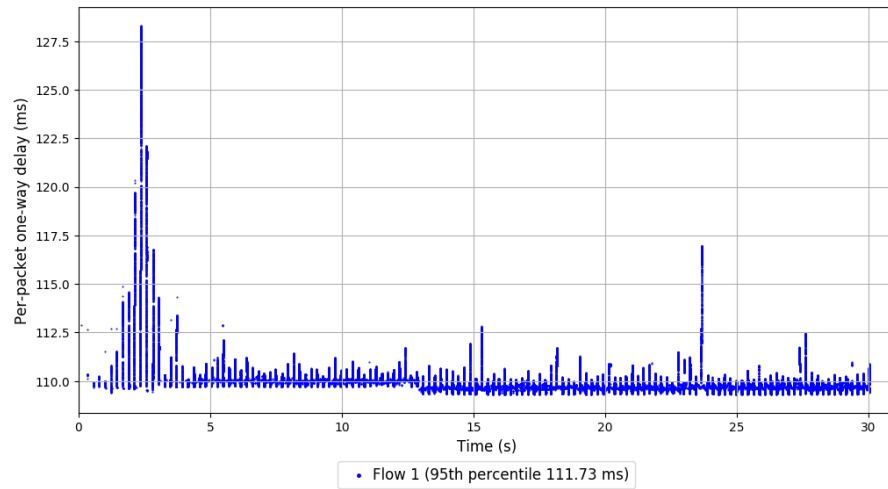
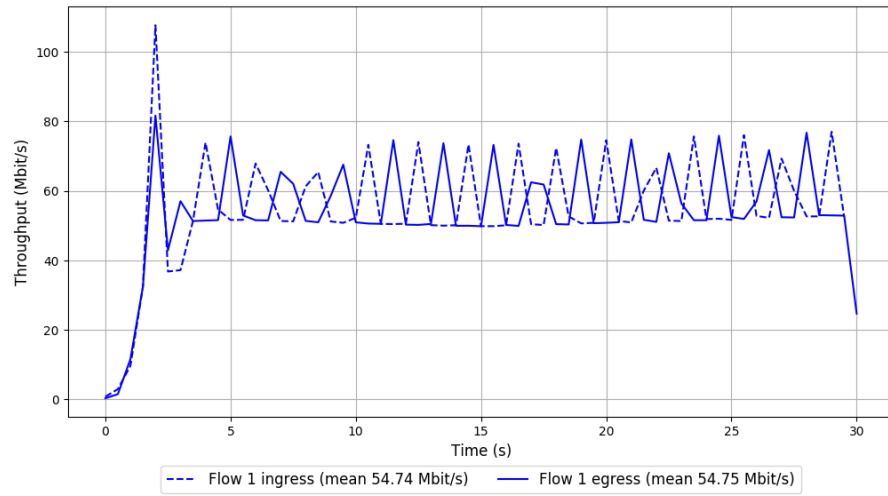
-- Flow 1:

Average throughput: 54.75 Mbit/s

95th percentile per-packet one-way delay: 111.734 ms

Loss rate: 0.00%

### Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 01:16:18

End at: 2018-04-17 01:16:48

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.55 Mbit/s

95th percentile per-packet one-way delay: 113.348 ms

Loss rate: 0.00%

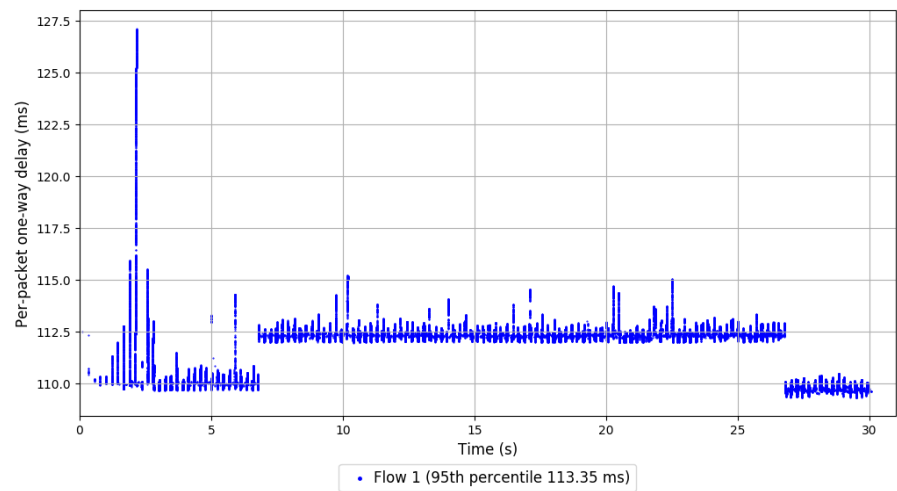
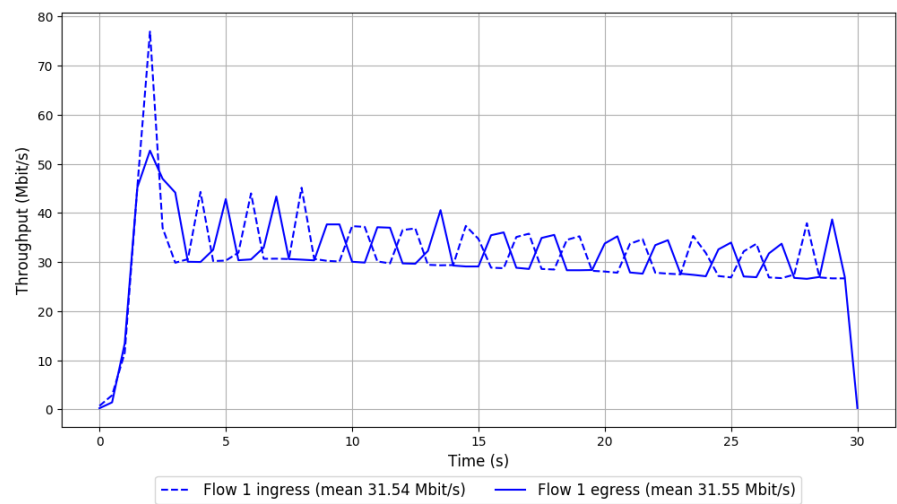
-- Flow 1:

Average throughput: 31.55 Mbit/s

95th percentile per-packet one-way delay: 113.348 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-16 23:17:46

End at: 2018-04-16 23:18:16

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.24 Mbit/s

95th percentile per-packet one-way delay: 142.631 ms

Loss rate: 0.00%

-- Flow 1:

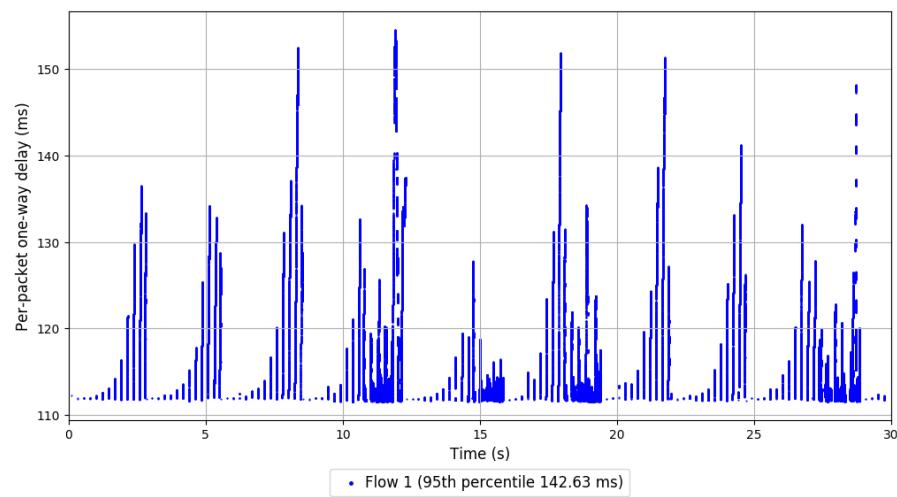
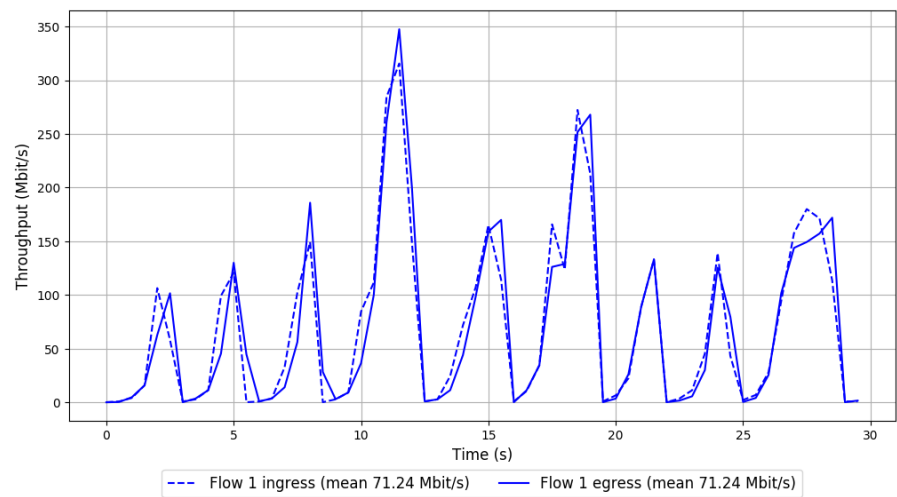
Average throughput: 71.24 Mbit/s

95th percentile per-packet one-way delay: 142.631 ms

Loss rate: 0.00%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-16 23:31:29

End at: 2018-04-16 23:31:59

# Below is generated by plot.py at 2018-04-17 02:51:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 137.384 ms

Loss rate: 0.06%

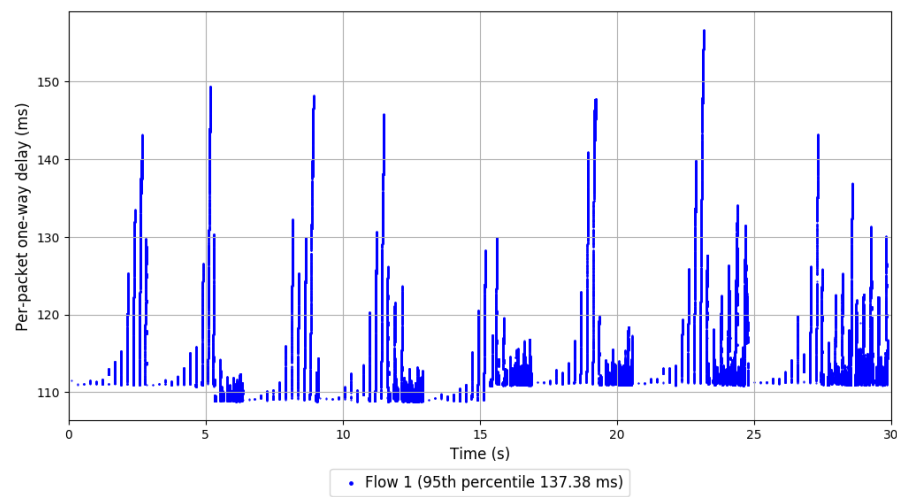
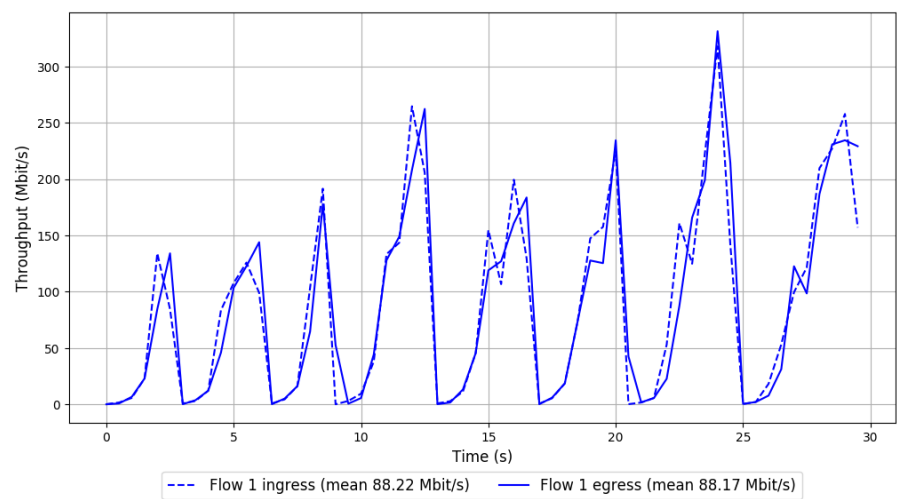
-- Flow 1:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 137.384 ms

Loss rate: 0.06%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-16 23:45:24

End at: 2018-04-16 23:45:54

# Below is generated by plot.py at 2018-04-17 02:51:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 151.60 Mbit/s

95th percentile per-packet one-way delay: 197.949 ms

Loss rate: 3.61%

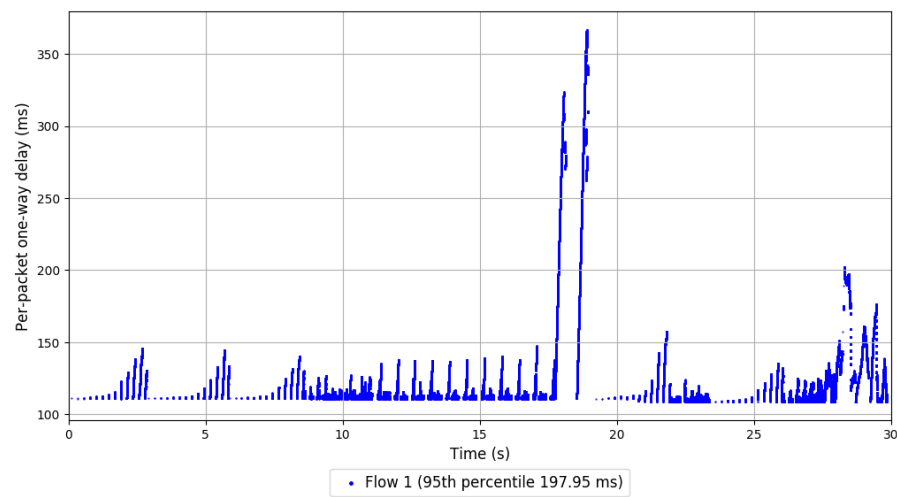
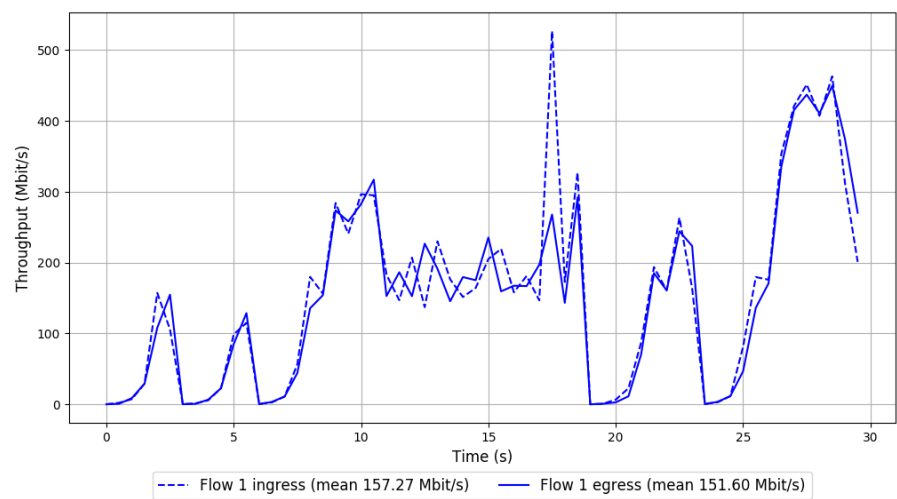
-- Flow 1:

Average throughput: 151.60 Mbit/s

95th percentile per-packet one-way delay: 197.949 ms

Loss rate: 3.61%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-16 23:59:41

End at: 2018-04-17 00:00:11

# Below is generated by plot.py at 2018-04-17 02:52:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 209.04 Mbit/s

95th percentile per-packet one-way delay: 154.582 ms

Loss rate: 0.00%

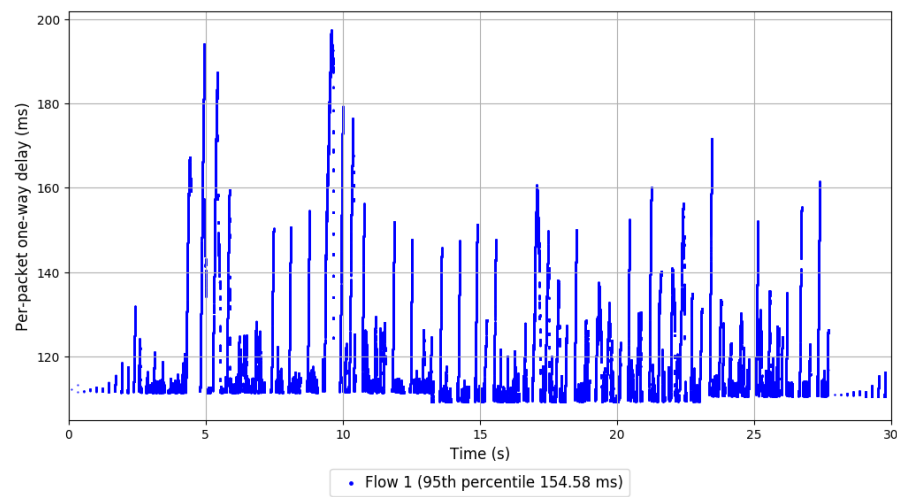
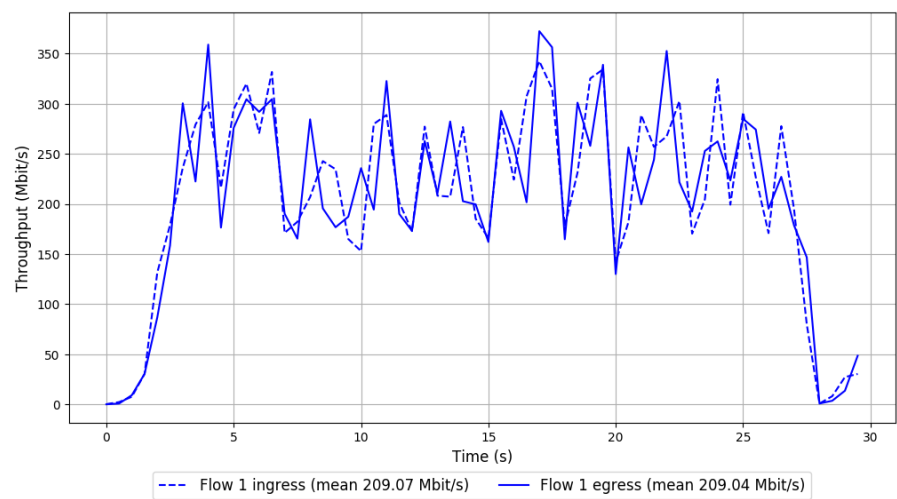
-- Flow 1:

Average throughput: 209.04 Mbit/s

95th percentile per-packet one-way delay: 154.582 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 00:13:46

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

# Below is generated by plot.py at 2018-04-17 02:52:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 189.457 ms

Loss rate: 0.00%

-- Flow 1:

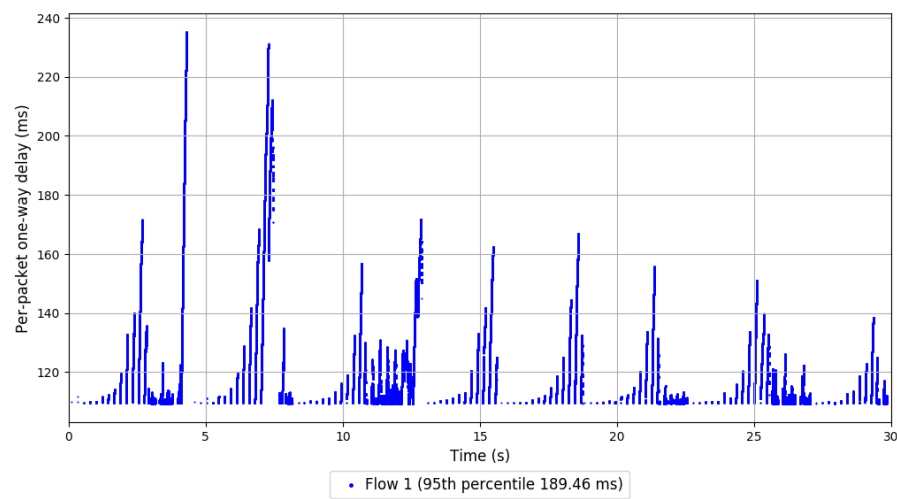
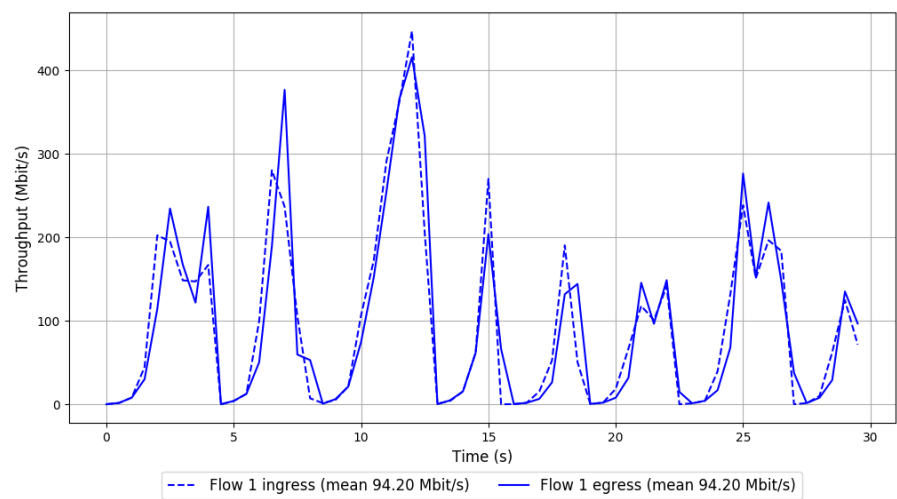
Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 189.457 ms

Loss rate: 0.00%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-17 00:27:25

End at: 2018-04-17 00:27:55

# Below is generated by plot.py at 2018-04-17 02:52:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 152.56 Mbit/s

95th percentile per-packet one-way delay: 202.315 ms

Loss rate: 1.19%

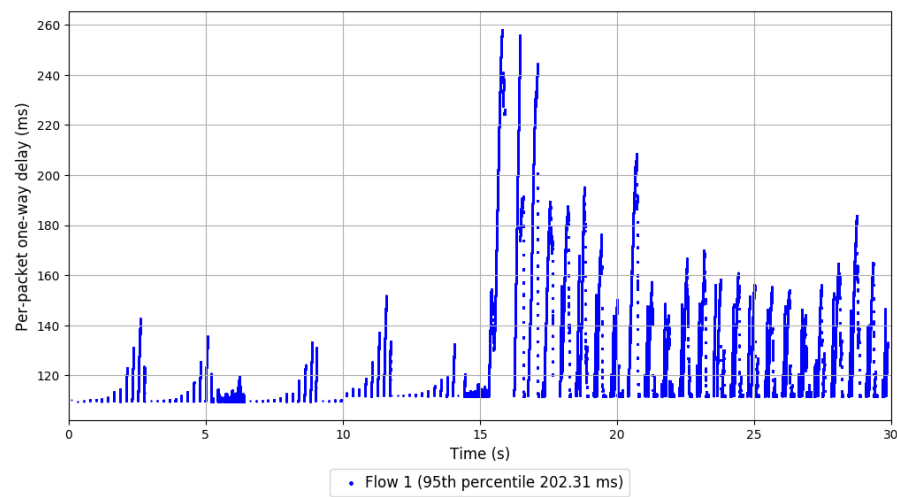
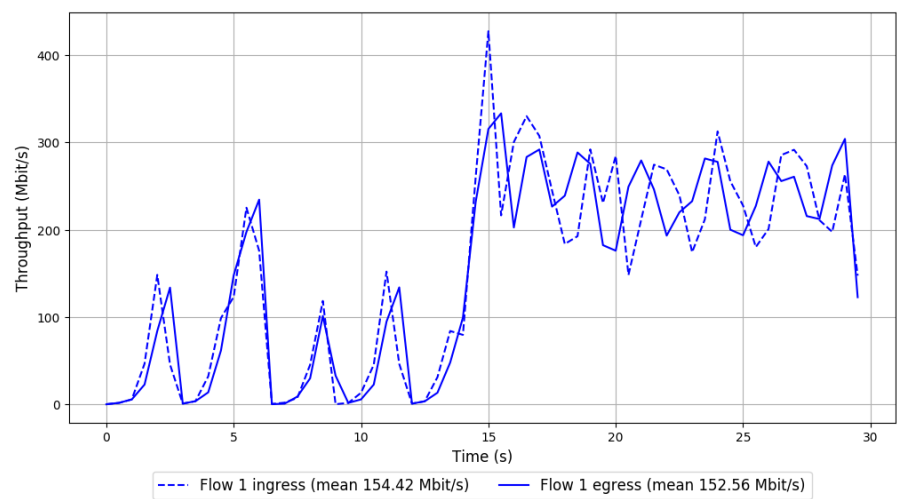
-- Flow 1:

Average throughput: 152.56 Mbit/s

95th percentile per-packet one-way delay: 202.315 ms

Loss rate: 1.19%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-17 00:41:40

End at: 2018-04-17 00:42:10

# Below is generated by plot.py at 2018-04-17 02:53:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 194.28 Mbit/s

95th percentile per-packet one-way delay: 180.234 ms

Loss rate: 0.00%

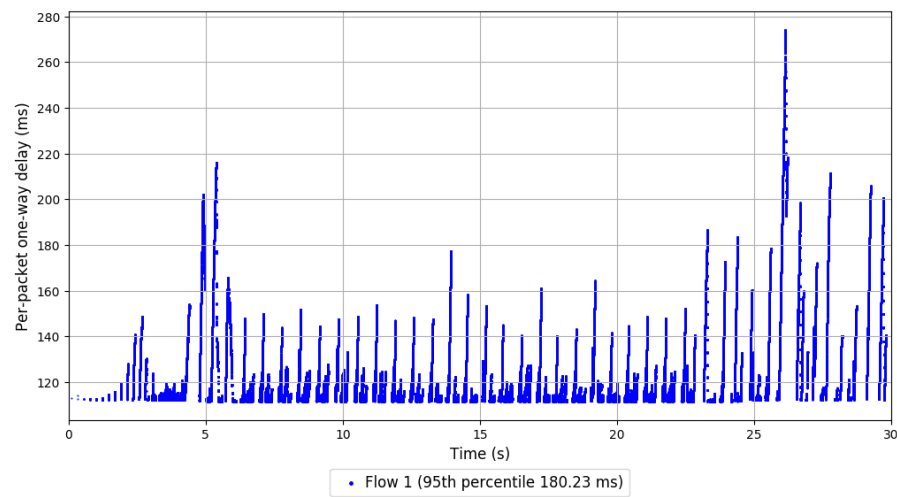
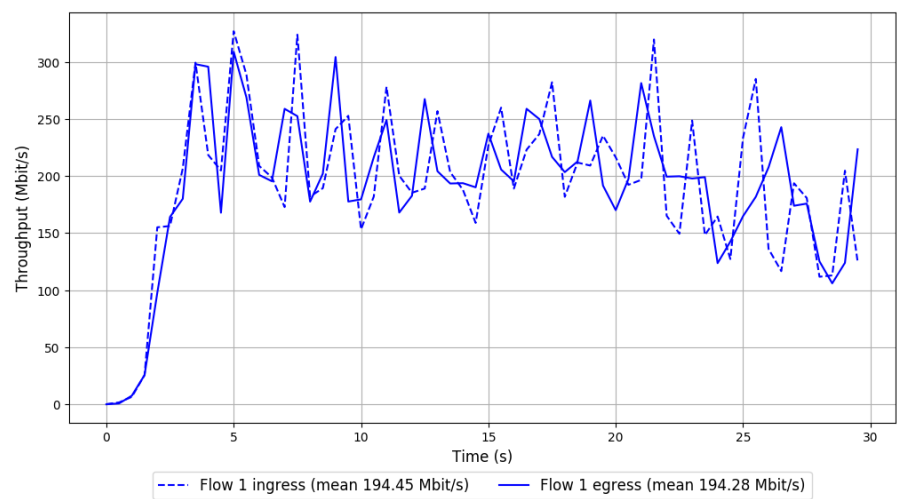
-- Flow 1:

Average throughput: 194.28 Mbit/s

95th percentile per-packet one-way delay: 180.234 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 00:55:27

End at: 2018-04-17 00:55:57

# Below is generated by plot.py at 2018-04-17 02:53:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 110.83 Mbit/s

95th percentile per-packet one-way delay: 147.486 ms

Loss rate: 0.00%

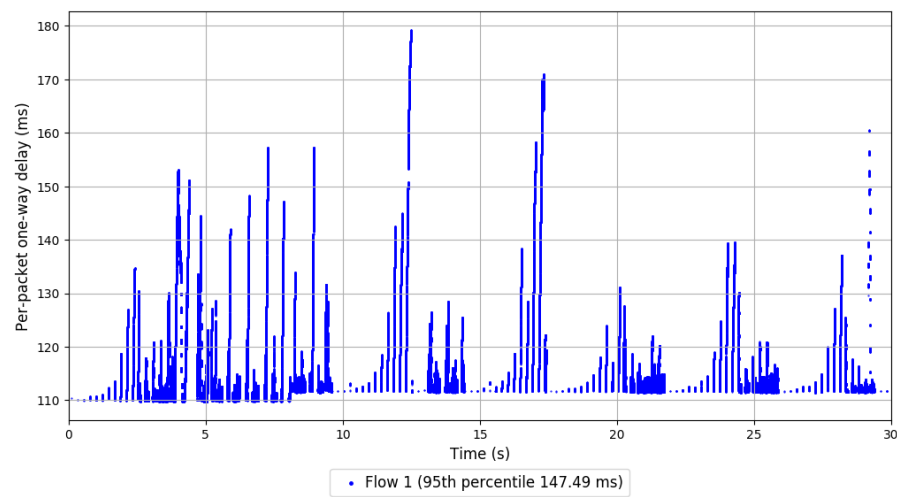
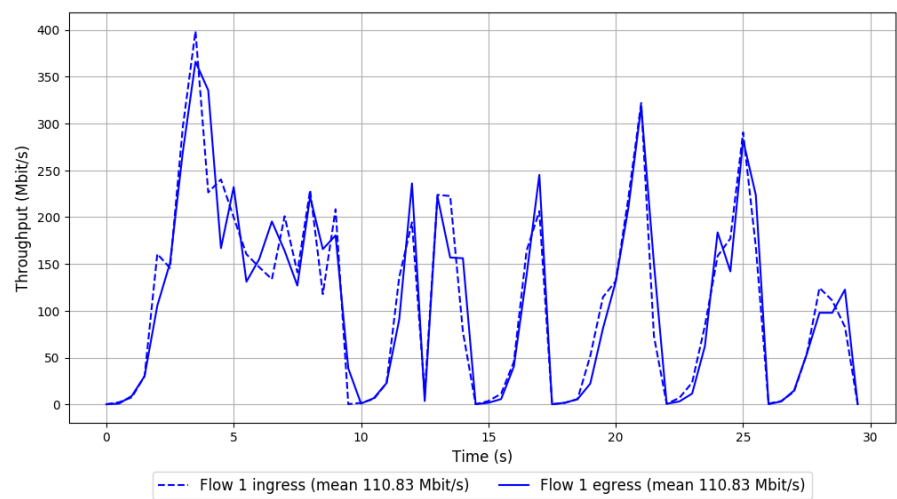
-- Flow 1:

Average throughput: 110.83 Mbit/s

95th percentile per-packet one-way delay: 147.486 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 01:09:53

End at: 2018-04-17 01:10:23

# Below is generated by plot.py at 2018-04-17 02:54:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 163.98 Mbit/s

95th percentile per-packet one-way delay: 172.071 ms

Loss rate: 0.00%

-- Flow 1:

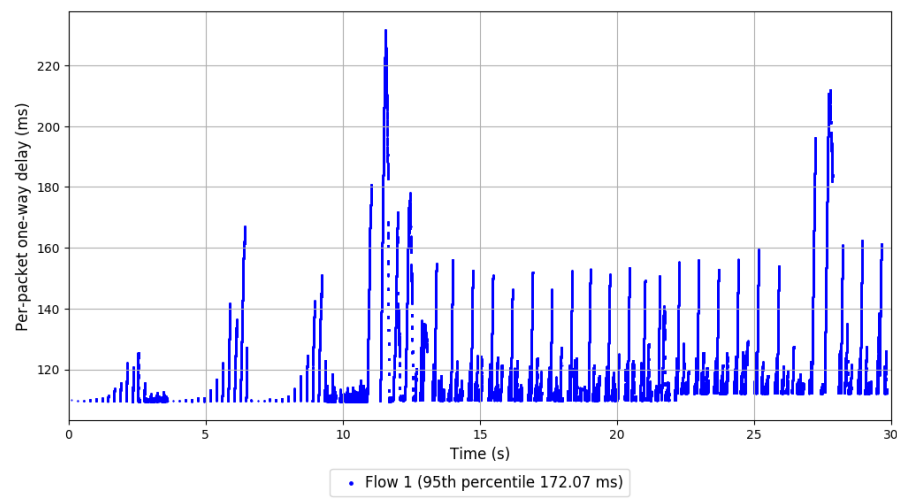
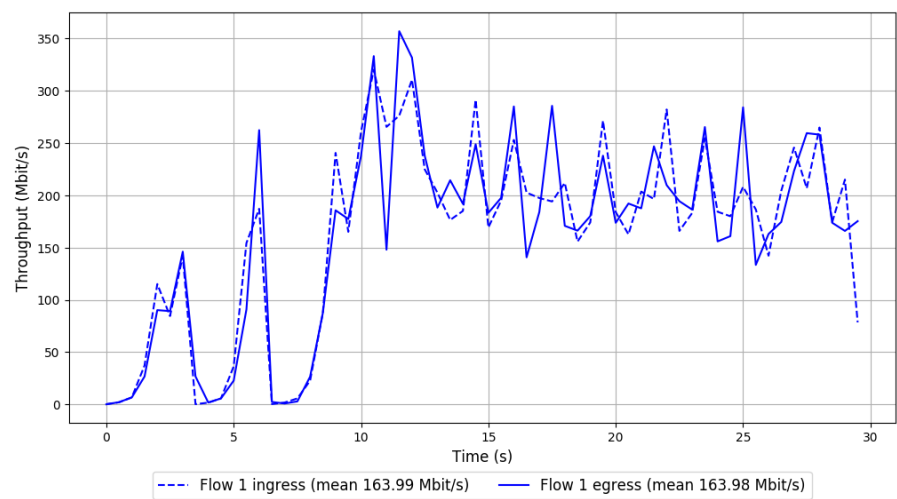
Average throughput: 163.98 Mbit/s

95th percentile per-packet one-way delay: 172.071 ms

Loss rate: 0.00%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 01:23:39

End at: 2018-04-17 01:24:09

# Below is generated by plot.py at 2018-04-17 02:54:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 194.13 Mbit/s

95th percentile per-packet one-way delay: 195.125 ms

Loss rate: 0.67%

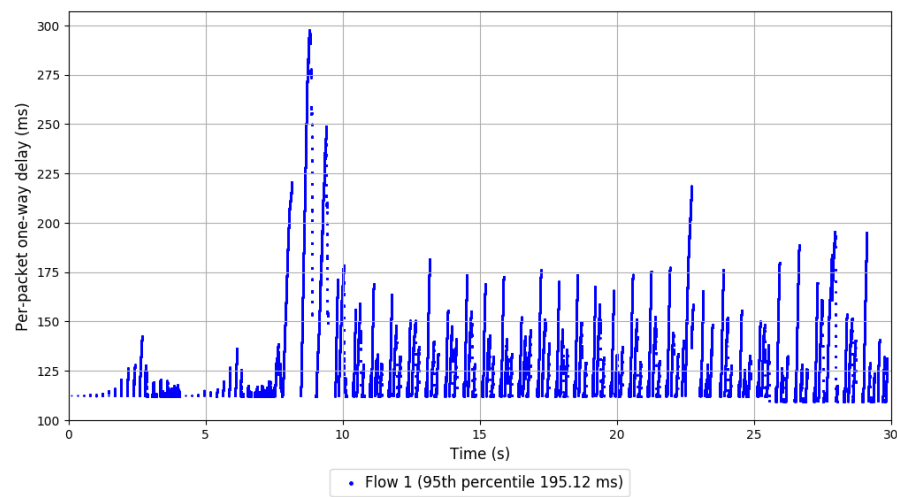
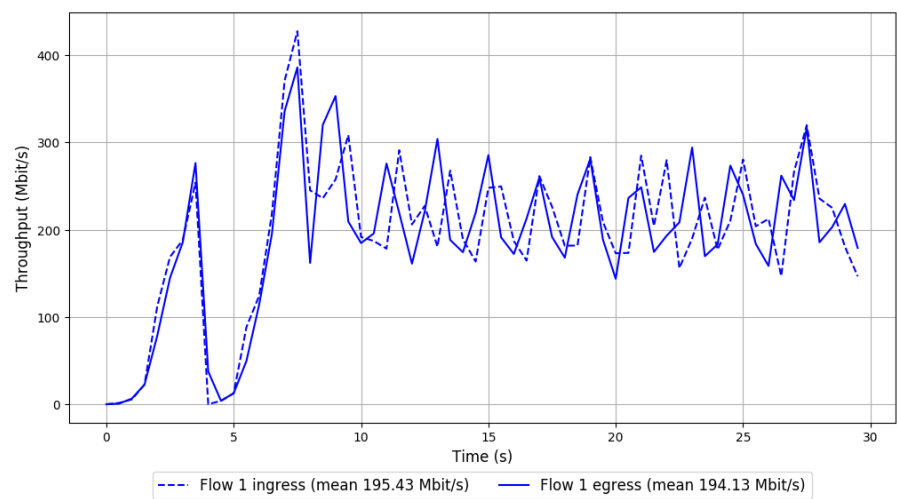
-- Flow 1:

Average throughput: 194.13 Mbit/s

95th percentile per-packet one-way delay: 195.125 ms

Loss rate: 0.67%

Run 10: Report of Verus — Data Link

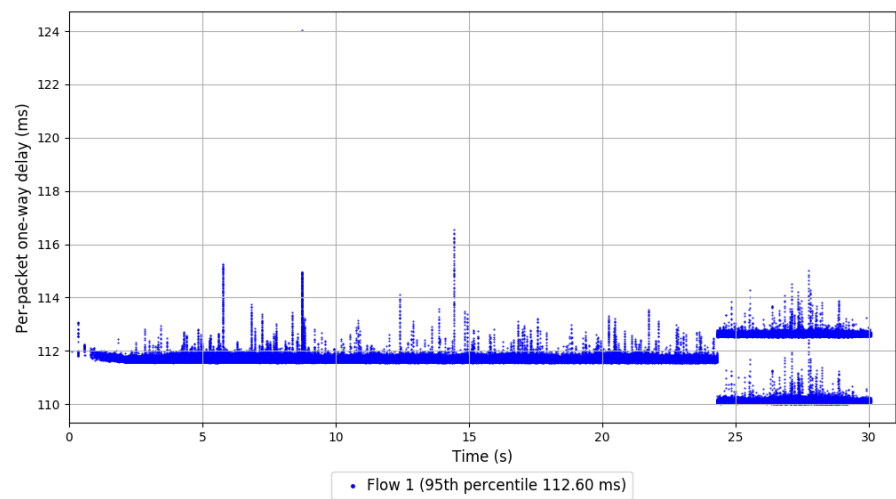
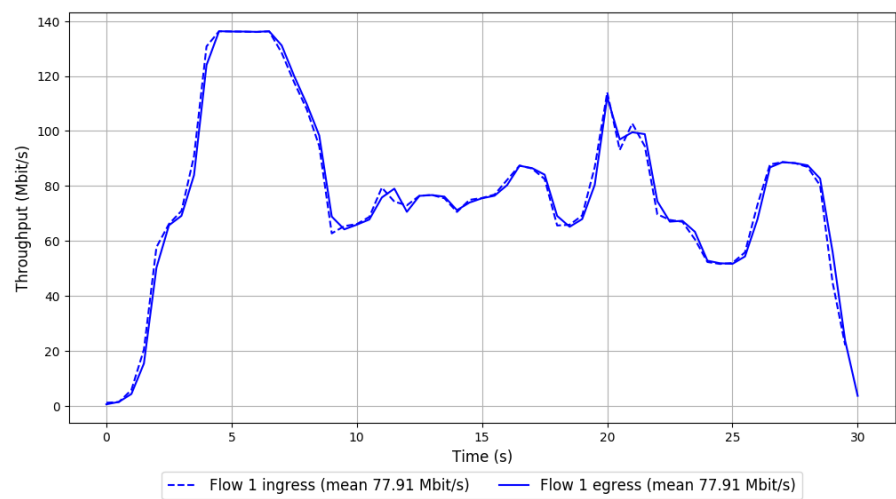


```
Run 1: Statistics of Copa

Start at: 2018-04-16 23:09:31
End at: 2018-04-16 23:10:01

# Below is generated by plot.py at 2018-04-17 02:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.91 Mbit/s
95th percentile per-packet one-way delay: 112.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.91 Mbit/s
95th percentile per-packet one-way delay: 112.603 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-16 23:23:18

End at: 2018-04-16 23:23:48

# Below is generated by plot.py at 2018-04-17 02:54:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.34 Mbit/s

95th percentile per-packet one-way delay: 111.715 ms

Loss rate: 0.00%

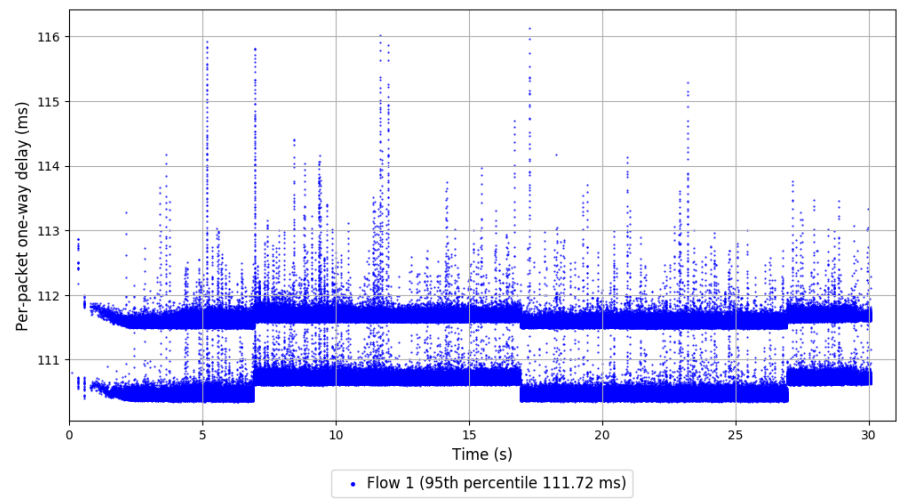
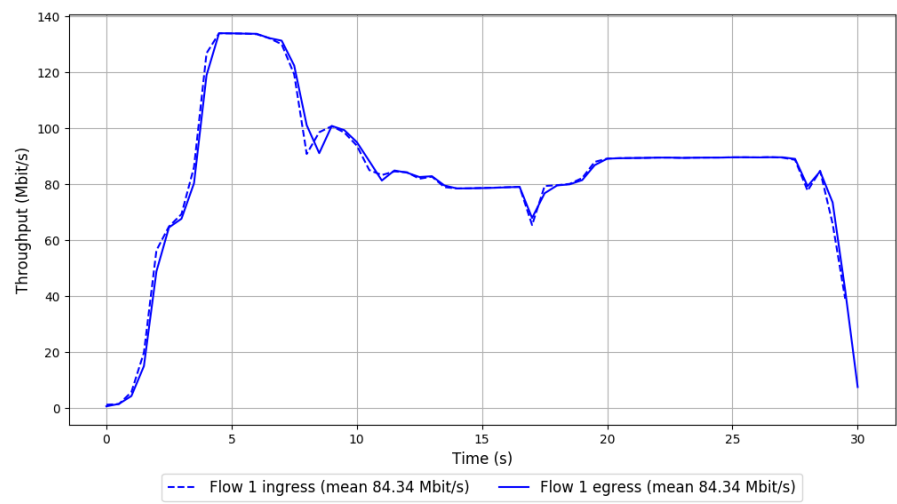
-- Flow 1:

Average throughput: 84.34 Mbit/s

95th percentile per-packet one-way delay: 111.715 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-16 23:37:06

End at: 2018-04-16 23:37:36

# Below is generated by plot.py at 2018-04-17 02:55:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.12 Mbit/s

95th percentile per-packet one-way delay: 111.759 ms

Loss rate: 0.00%

-- Flow 1:

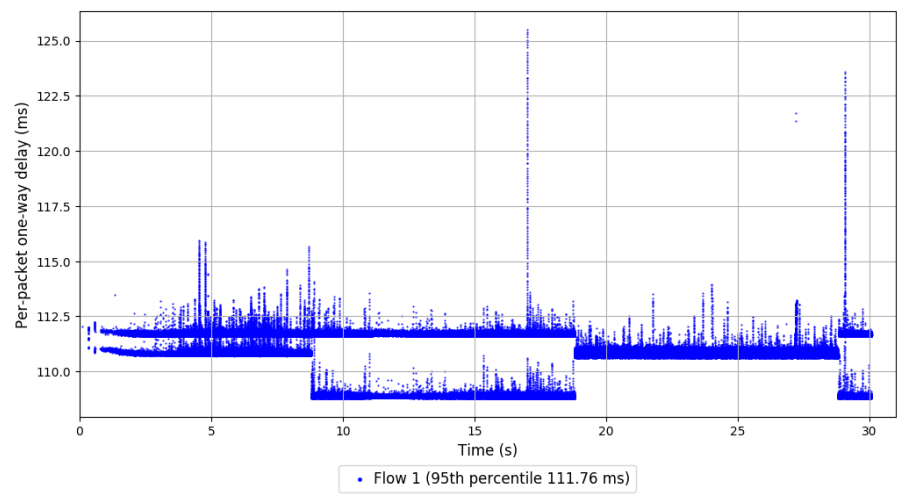
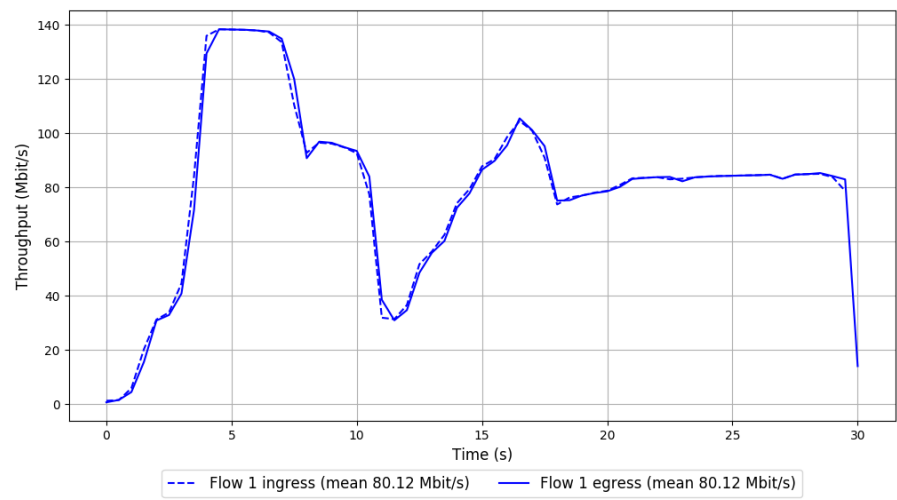
Average throughput: 80.12 Mbit/s

95th percentile per-packet one-way delay: 111.759 ms

Loss rate: 0.00%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-16 23:51:10

End at: 2018-04-16 23:51:40

# Below is generated by plot.py at 2018-04-17 03:05:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 362.44 Mbit/s

95th percentile per-packet one-way delay: 200.790 ms

Loss rate: 35.57%

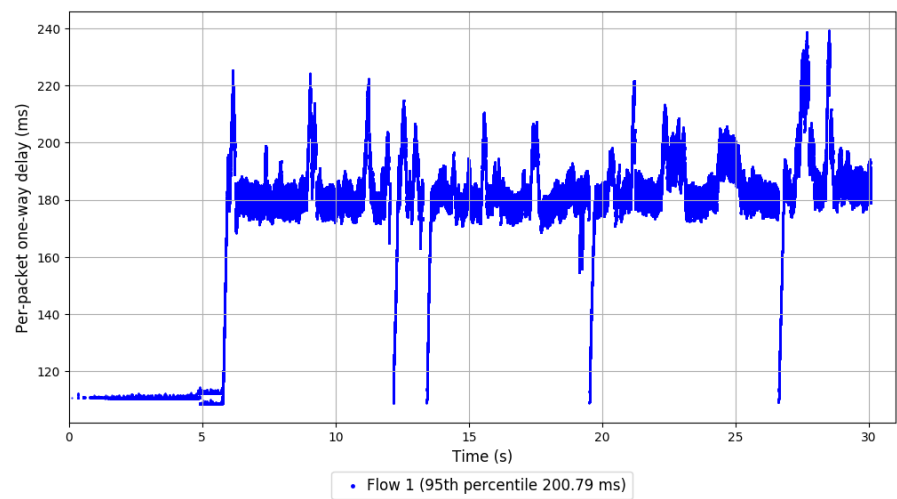
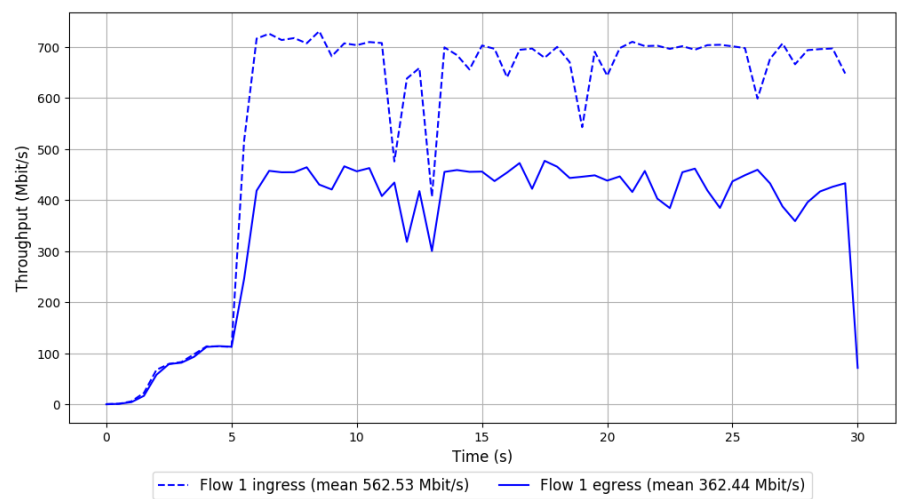
-- Flow 1:

Average throughput: 362.44 Mbit/s

95th percentile per-packet one-way delay: 200.790 ms

Loss rate: 35.57%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-17 00:05:29

End at: 2018-04-17 00:06:00

# Below is generated by plot.py at 2018-04-17 03:05:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.66 Mbit/s

95th percentile per-packet one-way delay: 112.270 ms

Loss rate: 0.00%

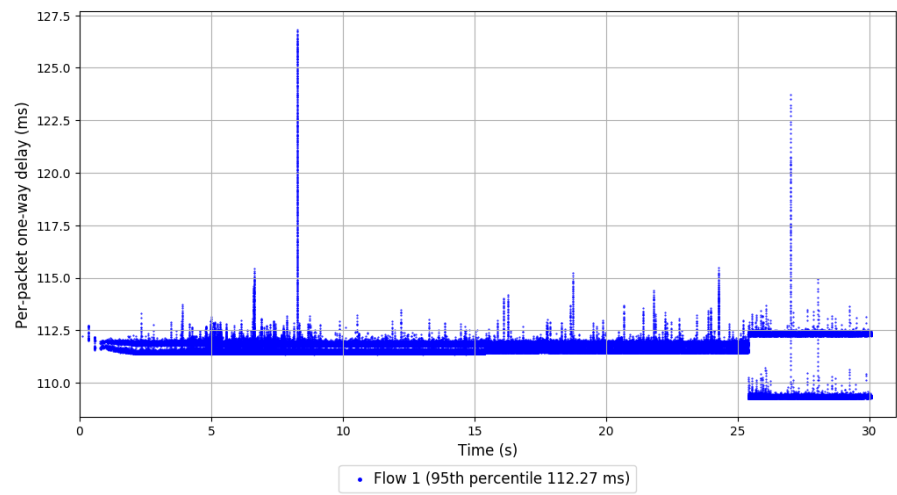
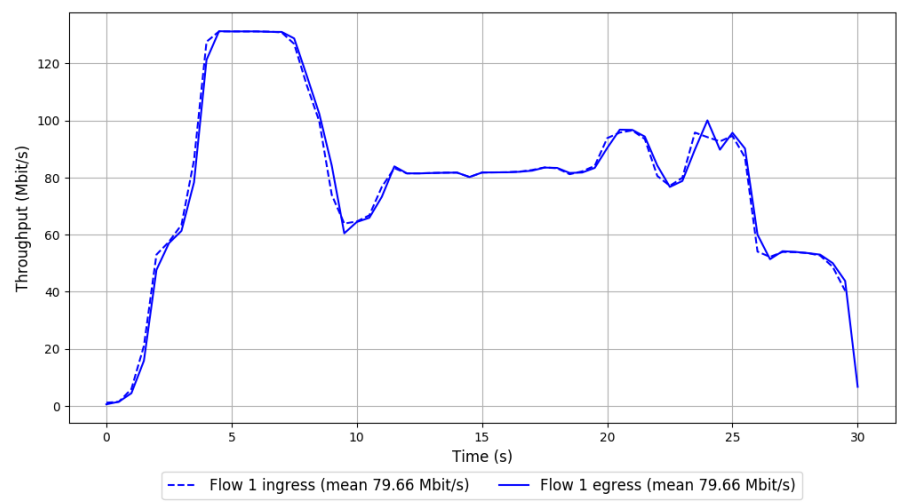
-- Flow 1:

Average throughput: 79.66 Mbit/s

95th percentile per-packet one-way delay: 112.270 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-17 00:19:17

End at: 2018-04-17 00:19:47

# Below is generated by plot.py at 2018-04-17 03:05:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.72 Mbit/s

95th percentile per-packet one-way delay: 111.509 ms

Loss rate: 0.00%

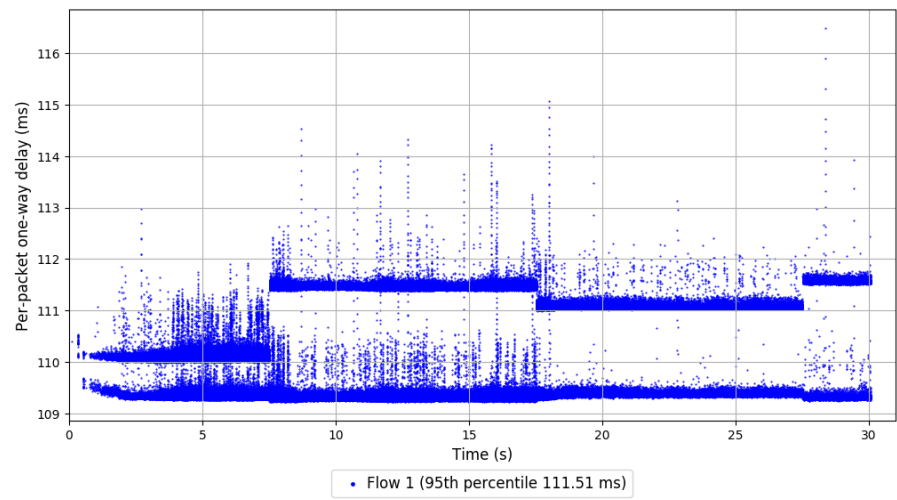
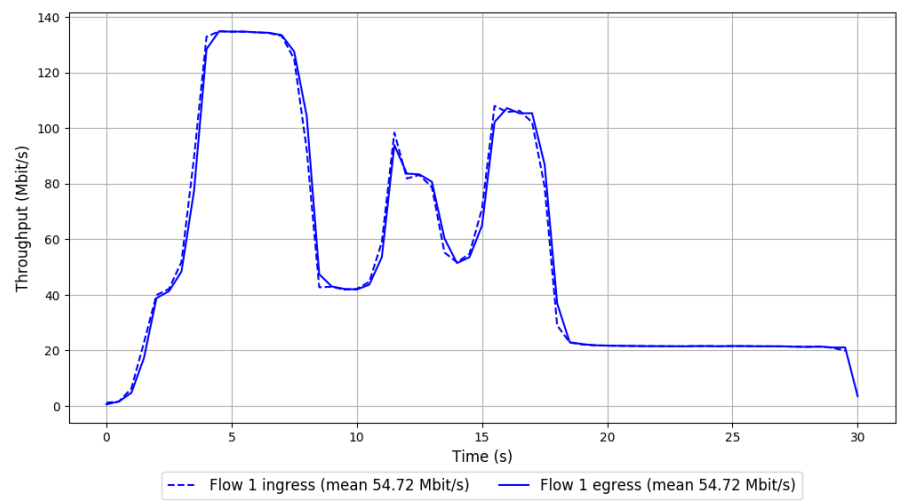
-- Flow 1:

Average throughput: 54.72 Mbit/s

95th percentile per-packet one-way delay: 111.509 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-17 00:33:20

End at: 2018-04-17 00:33:50

# Below is generated by plot.py at 2018-04-17 03:05:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.64 Mbit/s

95th percentile per-packet one-way delay: 112.255 ms

Loss rate: 0.00%

-- Flow 1:

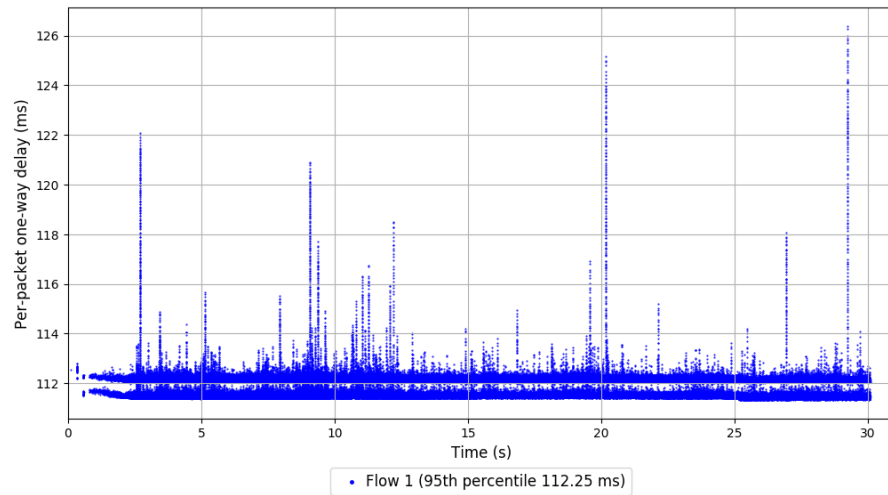
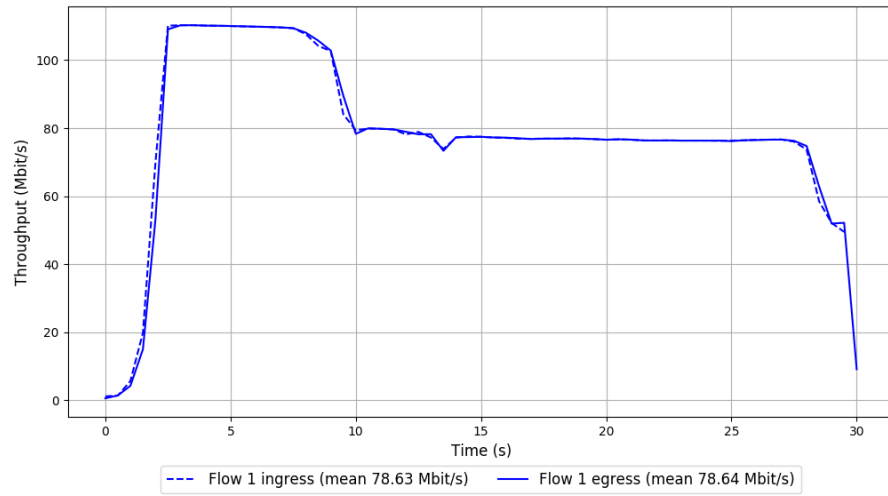
Average throughput: 78.64 Mbit/s

95th percentile per-packet one-way delay: 112.255 ms

Loss rate: 0.00%



## Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 00:47:18

End at: 2018-04-17 00:47:48

# Below is generated by plot.py at 2018-04-17 03:05:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.02 Mbit/s

95th percentile per-packet one-way delay: 112.225 ms

Loss rate: 0.00%

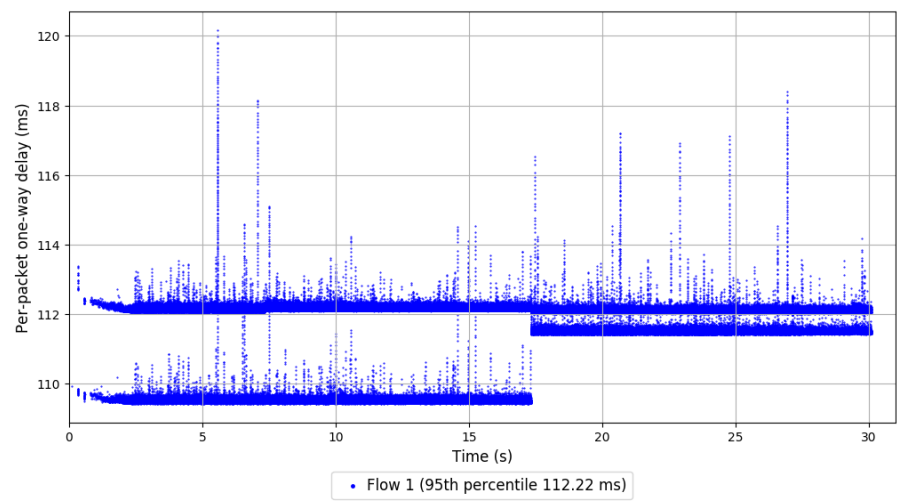
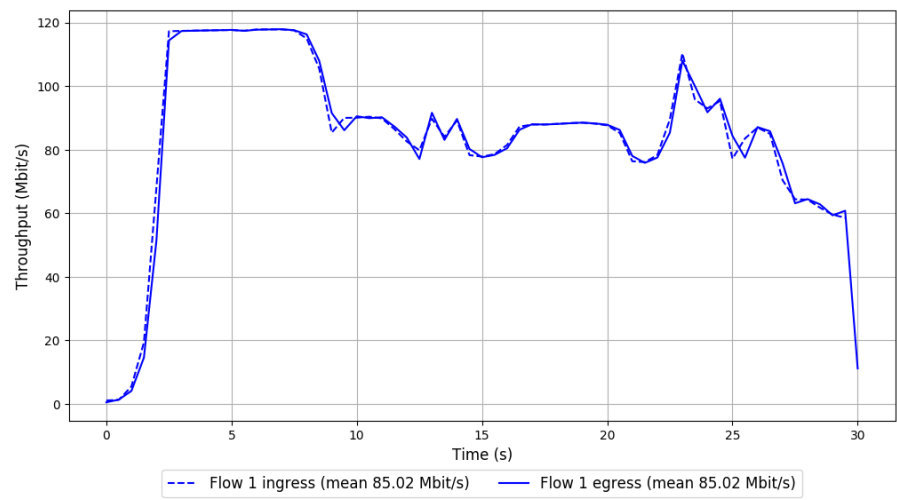
-- Flow 1:

Average throughput: 85.02 Mbit/s

95th percentile per-packet one-way delay: 112.225 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-17 01:01:20

End at: 2018-04-17 01:01:50

# Below is generated by plot.py at 2018-04-17 03:07:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 375.22 Mbit/s

95th percentile per-packet one-way delay: 203.857 ms

Loss rate: 33.92%

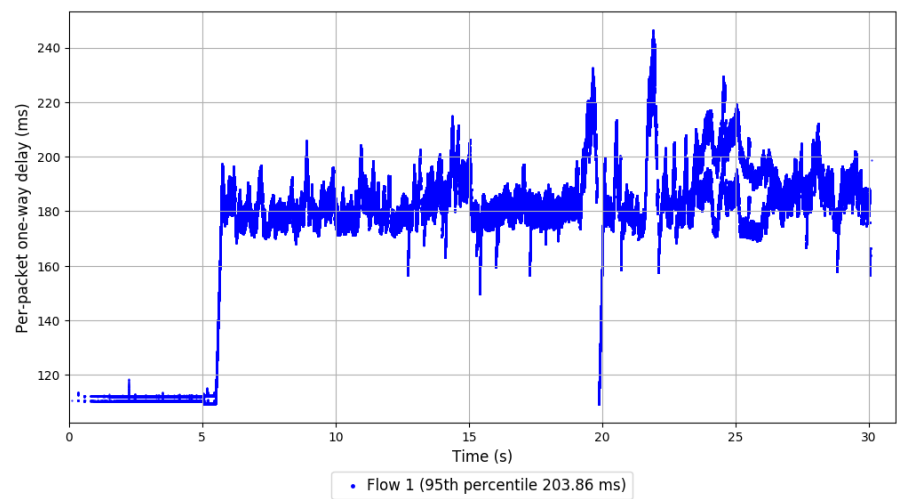
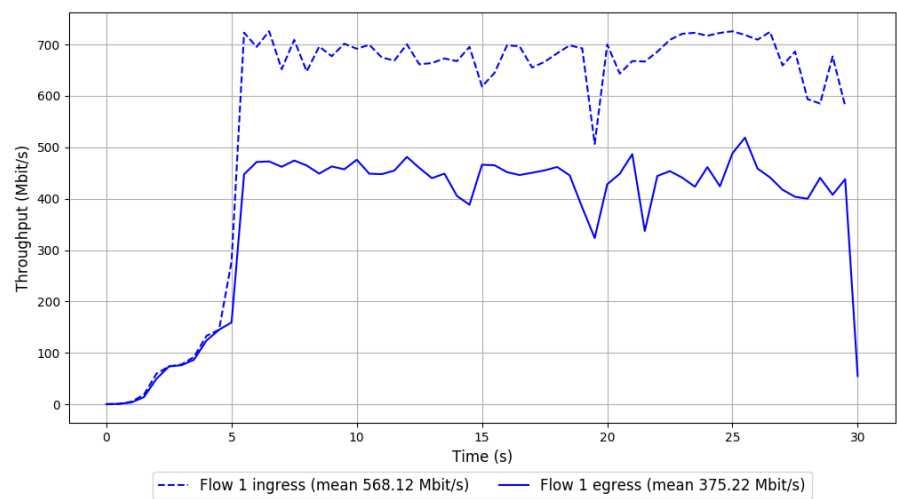
-- Flow 1:

Average throughput: 375.22 Mbit/s

95th percentile per-packet one-way delay: 203.857 ms

Loss rate: 33.92%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 01:15:29

End at: 2018-04-17 01:15:59

# Below is generated by plot.py at 2018-04-17 03:07:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 112.441 ms

Loss rate: 0.00%

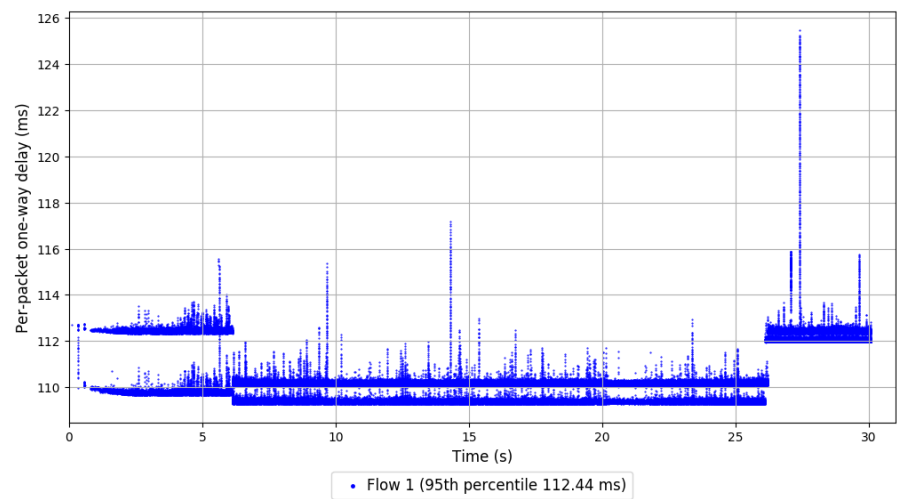
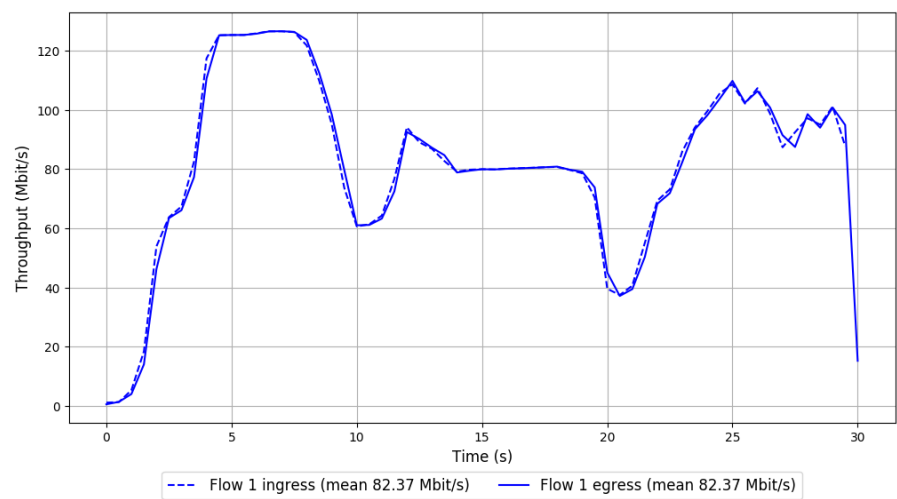
-- Flow 1:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 112.441 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



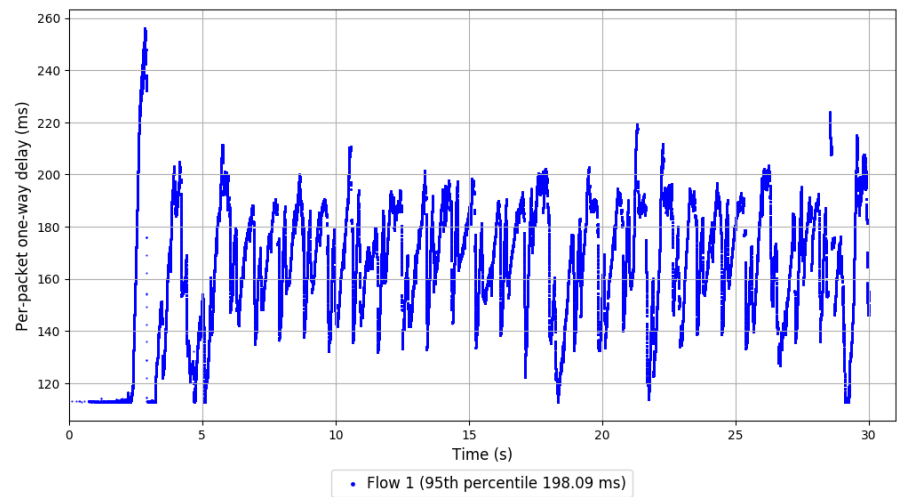
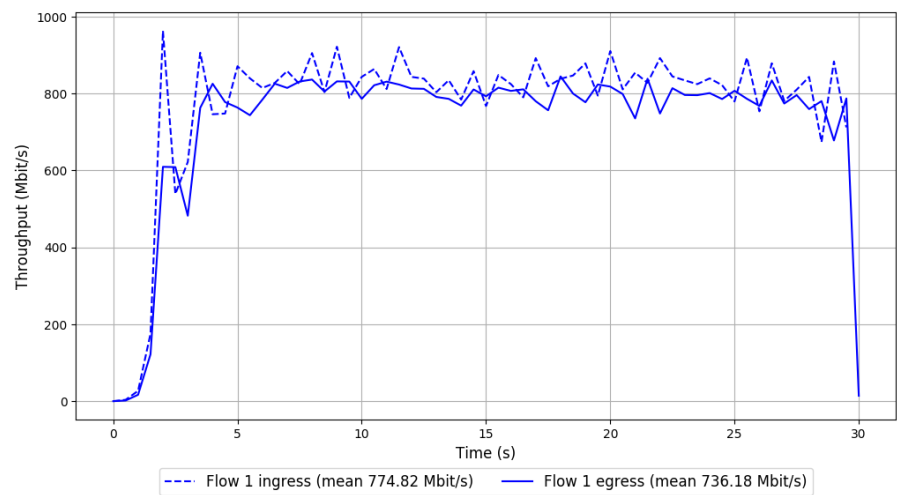
```
Run 1: Statistics of FillP

Start at: 2018-04-16 23:07:40
End at: 2018-04-16 23:08:10

# Below is generated by plot.py at 2018-04-17 03:08:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 736.18 Mbit/s
95th percentile per-packet one-way delay: 198.089 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 736.18 Mbit/s
95th percentile per-packet one-way delay: 198.089 ms
Loss rate: 4.99%
```



Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-16 23:21:28

End at: 2018-04-16 23:21:58

# Below is generated by plot.py at 2018-04-17 03:08:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 705.67 Mbit/s

95th percentile per-packet one-way delay: 200.708 ms

Loss rate: 5.35%

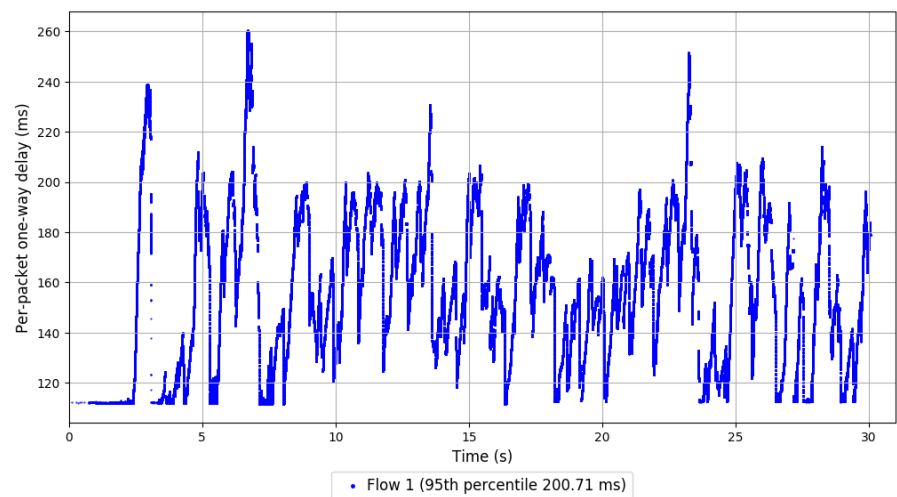
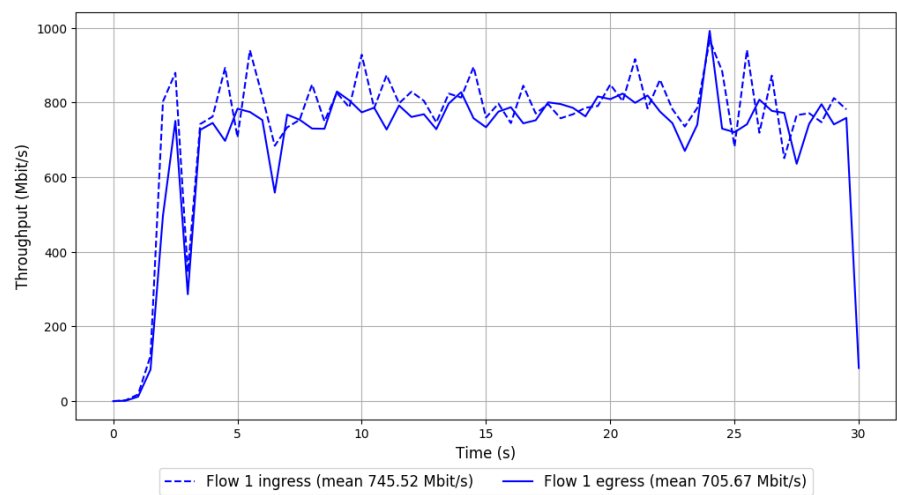
-- Flow 1:

Average throughput: 705.67 Mbit/s

95th percentile per-packet one-way delay: 200.708 ms

Loss rate: 5.35%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-16 23:35:18

End at: 2018-04-16 23:35:48

# Below is generated by plot.py at 2018-04-17 03:08:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 705.51 Mbit/s

95th percentile per-packet one-way delay: 201.402 ms

Loss rate: 5.60%

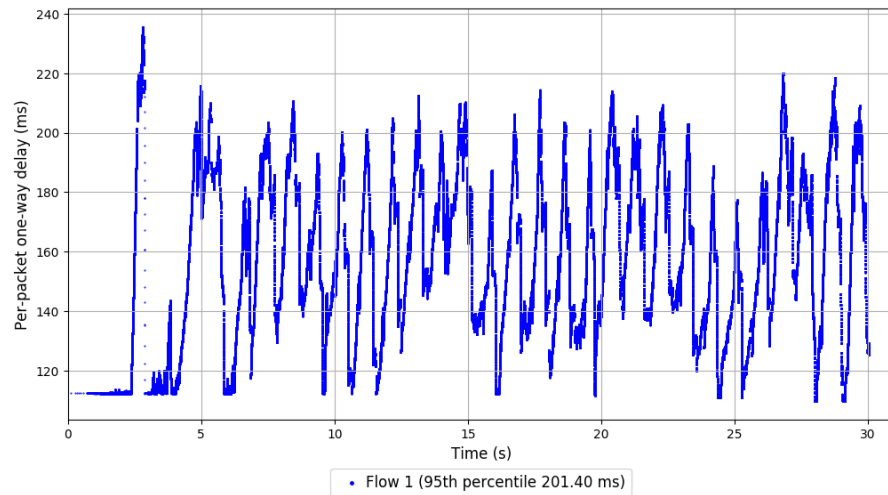
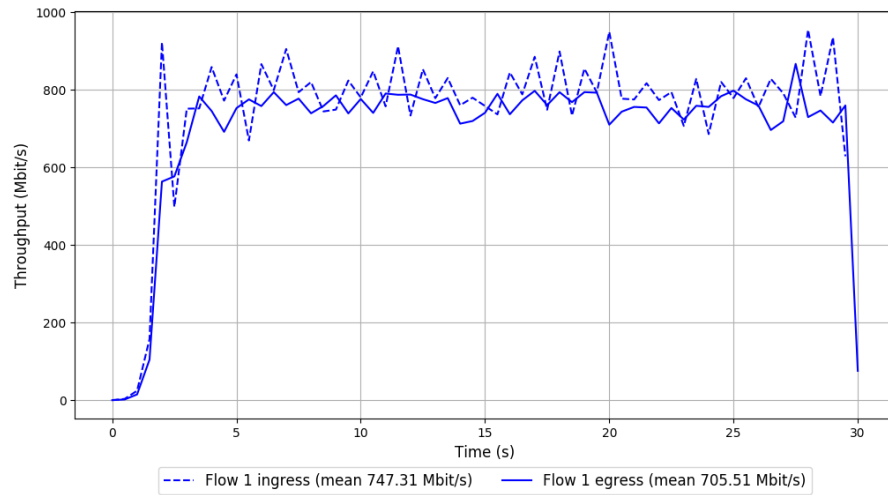
-- Flow 1:

Average throughput: 705.51 Mbit/s

95th percentile per-packet one-way delay: 201.402 ms

Loss rate: 5.60%

### Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-16 23:49:19

End at: 2018-04-16 23:49:49

# Below is generated by plot.py at 2018-04-17 03:09:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 746.50 Mbit/s

95th percentile per-packet one-way delay: 191.618 ms

Loss rate: 5.67%

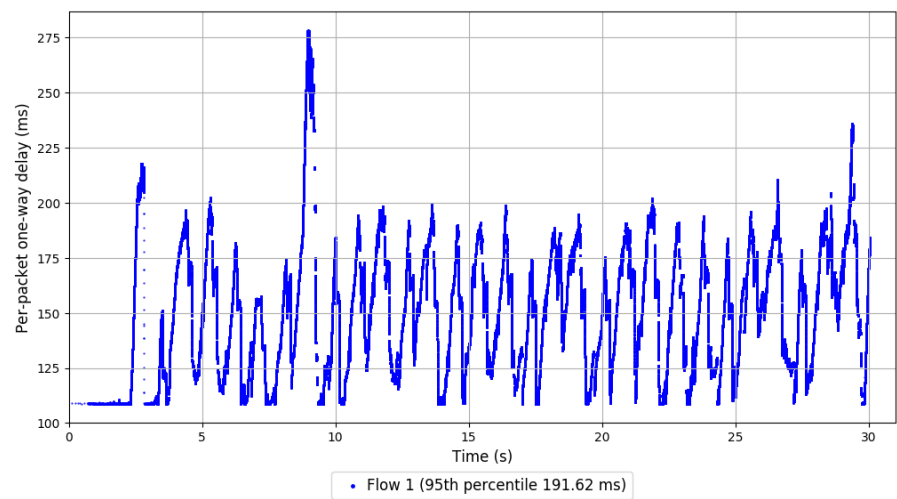
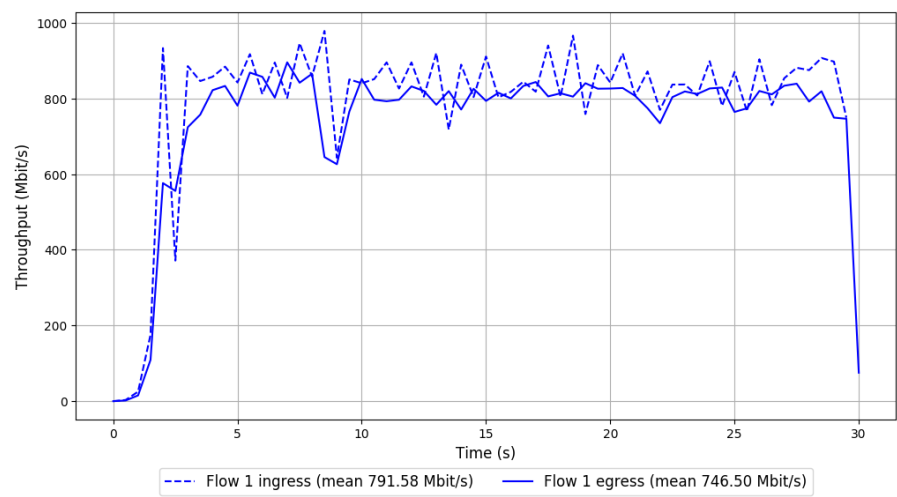
-- Flow 1:

Average throughput: 746.50 Mbit/s

95th percentile per-packet one-way delay: 191.618 ms

Loss rate: 5.67%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-17 00:03:40

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

# Below is generated by plot.py at 2018-04-17 03:09:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 736.31 Mbit/s

95th percentile per-packet one-way delay: 194.367 ms

Loss rate: 5.05%

-- Flow 1:

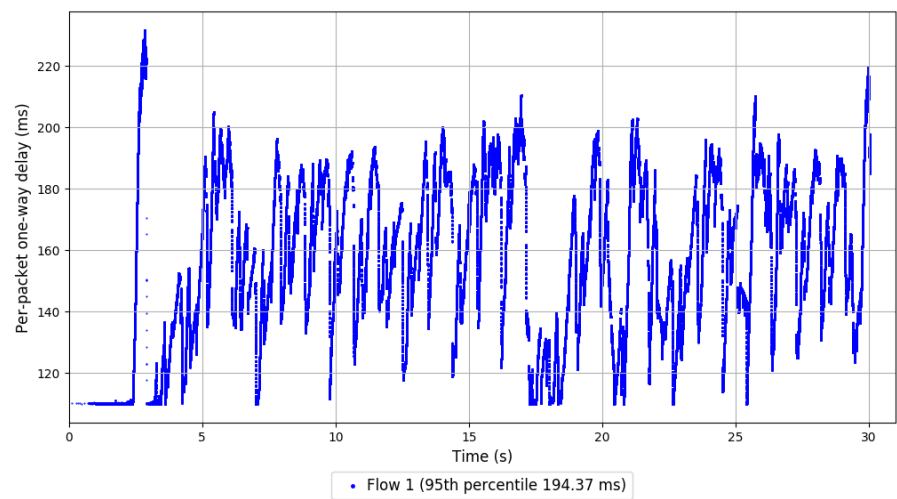
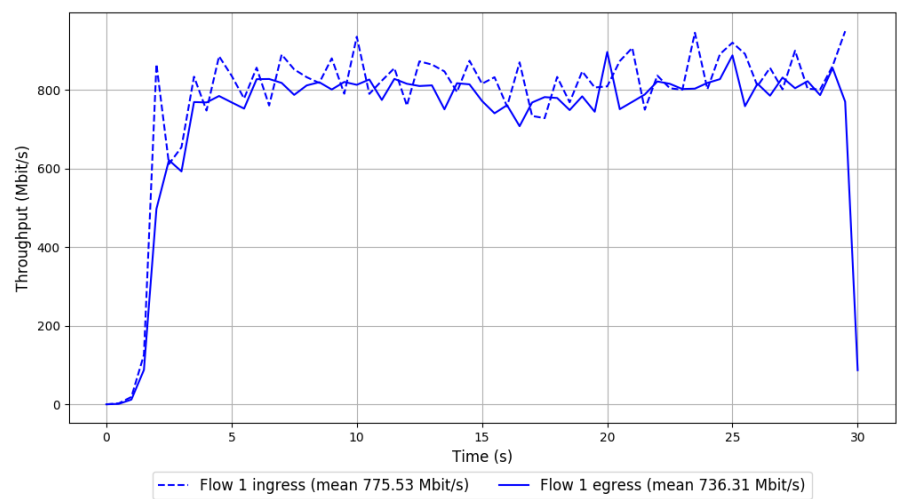
Average throughput: 736.31 Mbit/s

95th percentile per-packet one-way delay: 194.367 ms

Loss rate: 5.05%



Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-17 00:17:28

End at: 2018-04-17 00:17:58

# Below is generated by plot.py at 2018-04-17 03:09:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 714.77 Mbit/s

95th percentile per-packet one-way delay: 200.887 ms

Loss rate: 5.25%

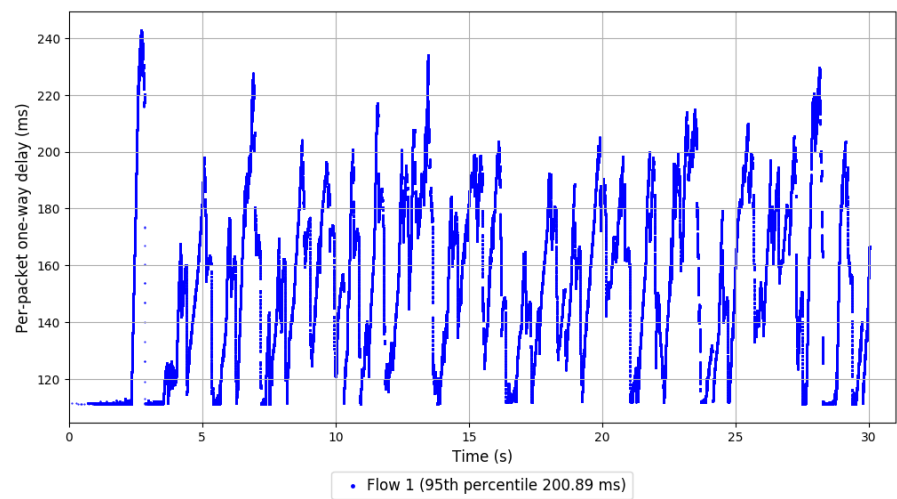
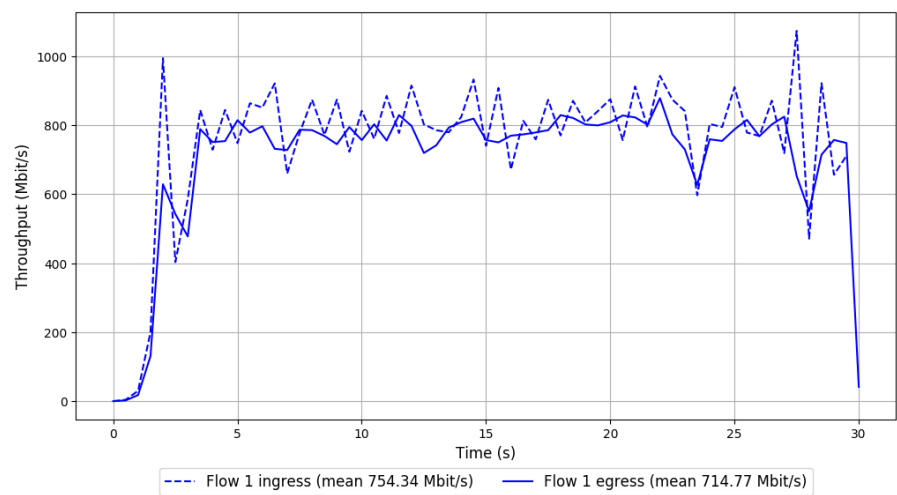
-- Flow 1:

Average throughput: 714.77 Mbit/s

95th percentile per-packet one-way delay: 200.887 ms

Loss rate: 5.25%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-17 00:31:29

End at: 2018-04-17 00:31:59

# Below is generated by plot.py at 2018-04-17 03:19:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 736.00 Mbit/s

95th percentile per-packet one-way delay: 193.913 ms

Loss rate: 5.25%

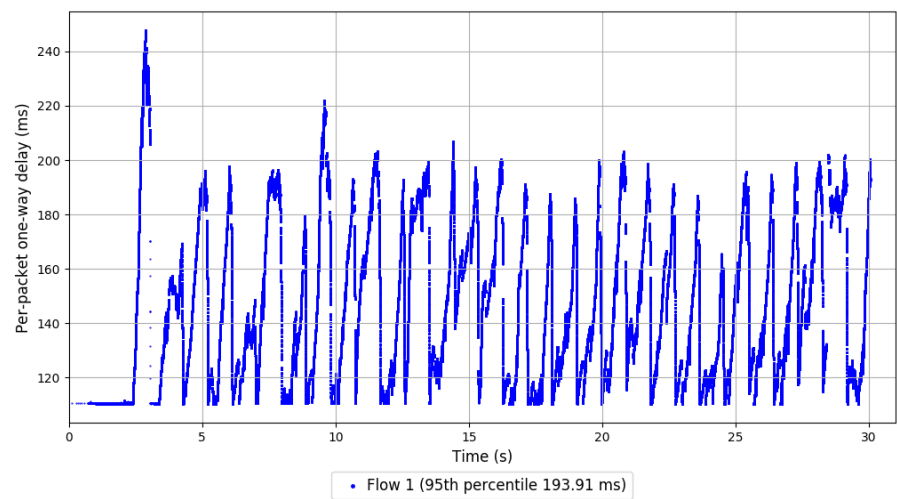
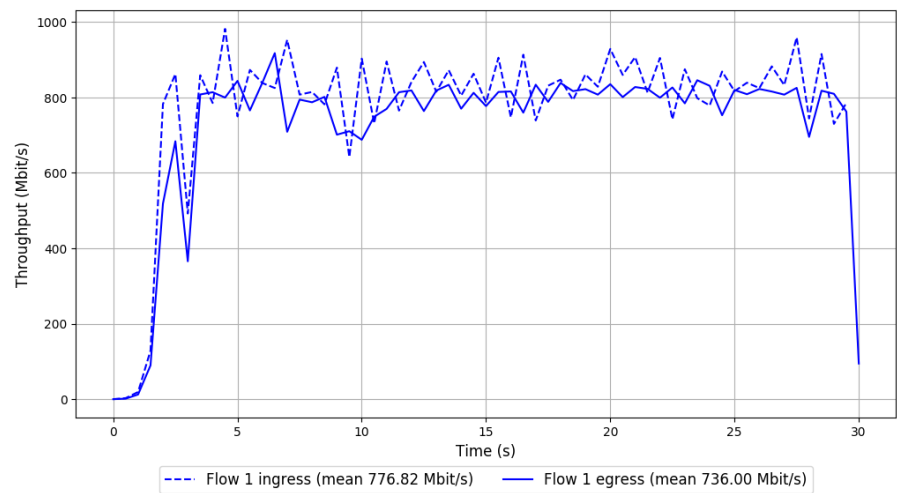
-- Flow 1:

Average throughput: 736.00 Mbit/s

95th percentile per-packet one-way delay: 193.913 ms

Loss rate: 5.25%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 00:45:28

End at: 2018-04-17 00:45:58

# Below is generated by plot.py at 2018-04-17 03:20:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 728.08 Mbit/s

95th percentile per-packet one-way delay: 197.771 ms

Loss rate: 4.93%

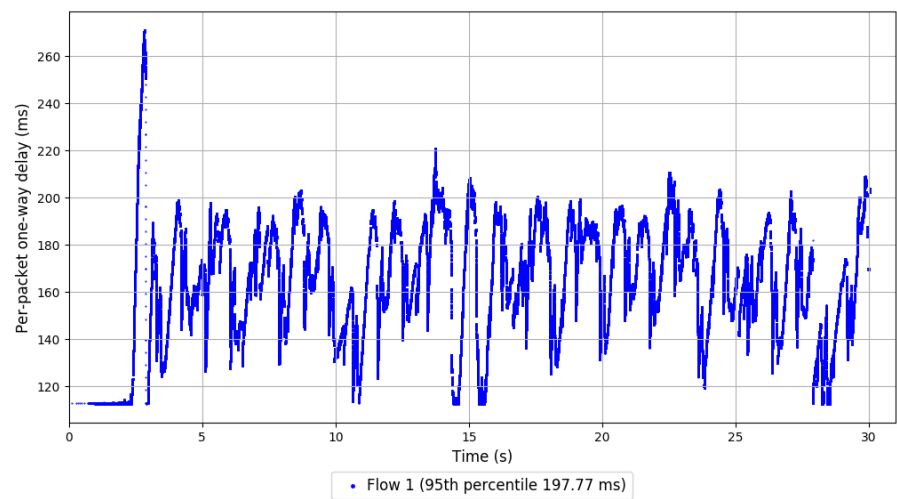
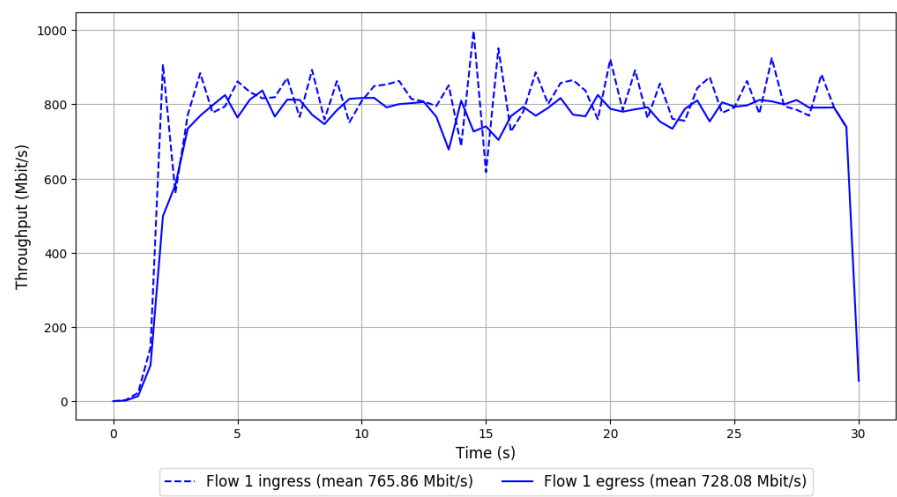
-- Flow 1:

Average throughput: 728.08 Mbit/s

95th percentile per-packet one-way delay: 197.771 ms

Loss rate: 4.93%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 00:59:31

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

# Below is generated by plot.py at 2018-04-17 03:21:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 724.52 Mbit/s

95th percentile per-packet one-way delay: 195.546 ms

Loss rate: 4.88%

-- Flow 1:

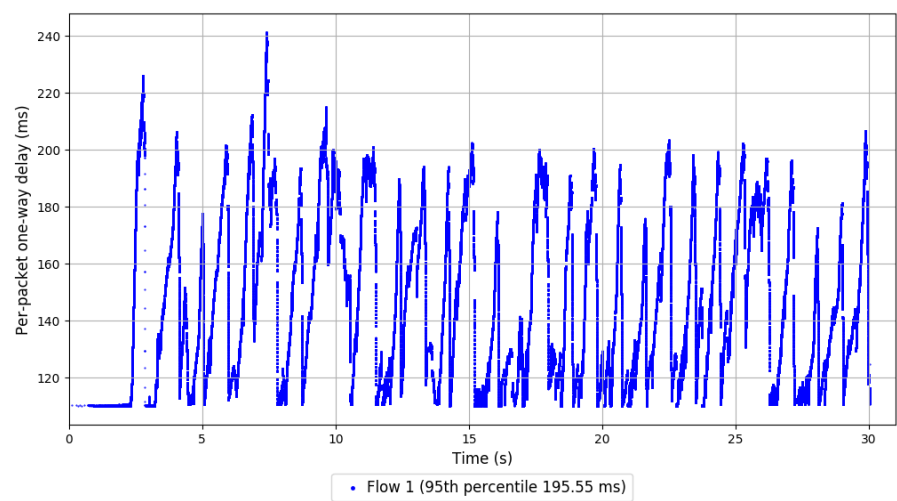
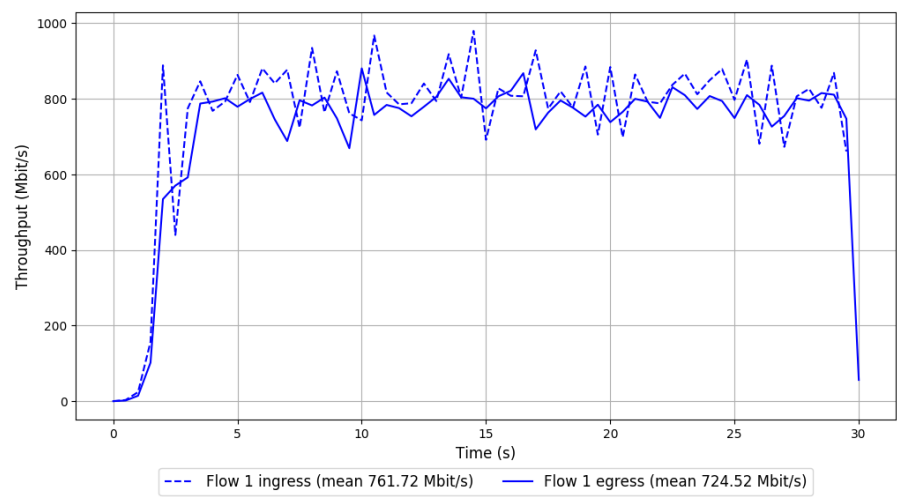
Average throughput: 724.52 Mbit/s

95th percentile per-packet one-way delay: 195.546 ms

Loss rate: 4.88%



Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 01:13:38

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

# Below is generated by plot.py at 2018-04-17 03:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 733.80 Mbit/s

95th percentile per-packet one-way delay: 196.358 ms

Loss rate: 5.24%

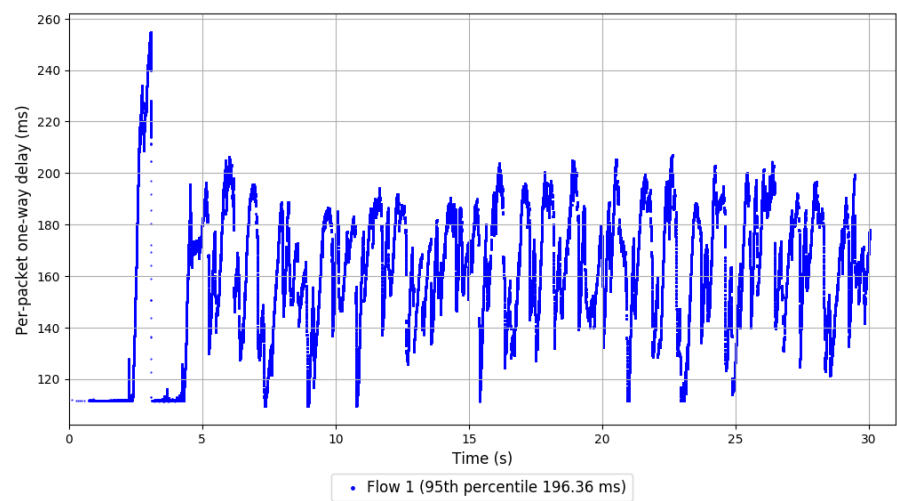
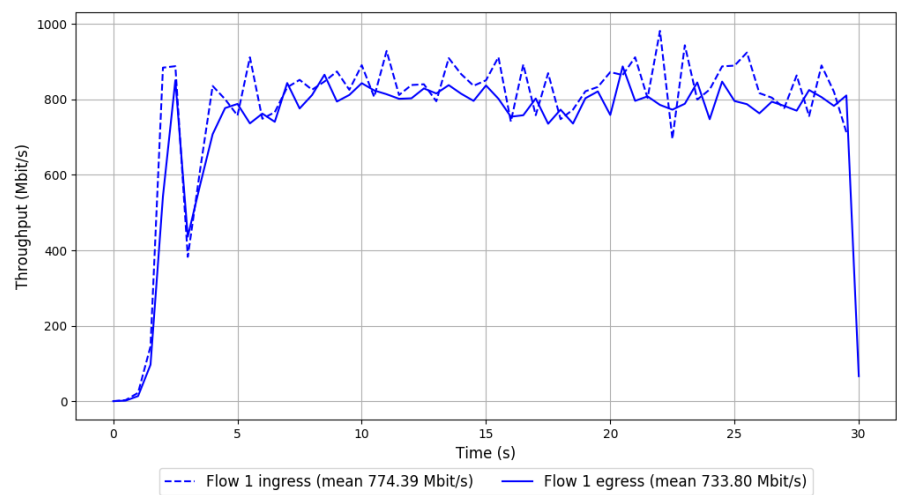
-- Flow 1:

Average throughput: 733.80 Mbit/s

95th percentile per-packet one-way delay: 196.358 ms

Loss rate: 5.24%

Run 10: Report of FillP — Data Link

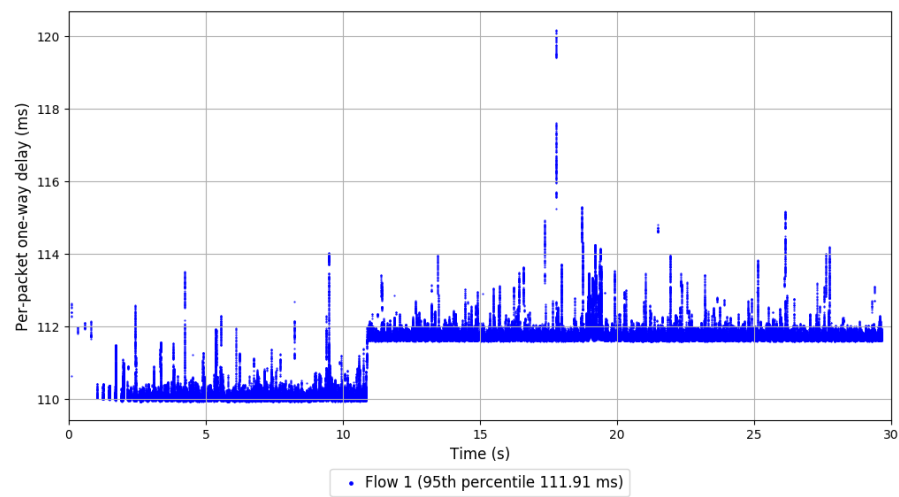
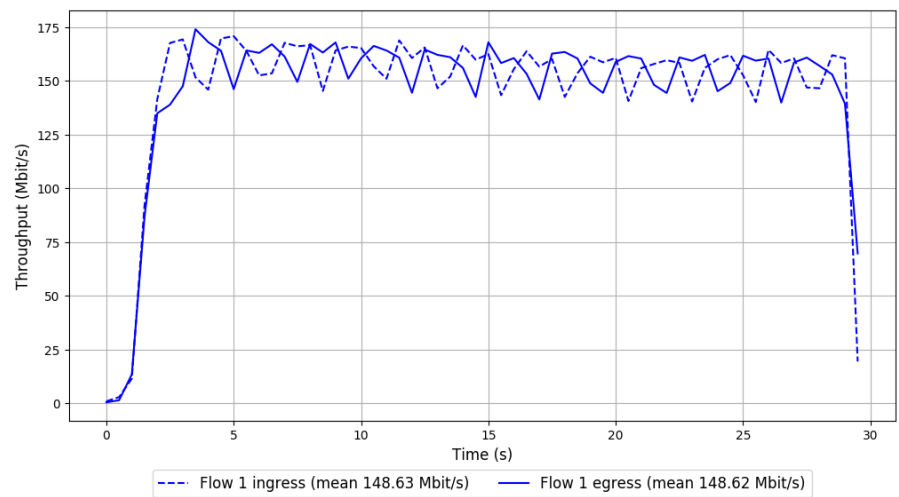


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-16 23:16:14
End at: 2018-04-16 23:16:44

# Below is generated by plot.py at 2018-04-17 03:21:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.62 Mbit/s
95th percentile per-packet one-way delay: 111.905 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.62 Mbit/s
95th percentile per-packet one-way delay: 111.905 ms
Loss rate: 0.00%
```

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

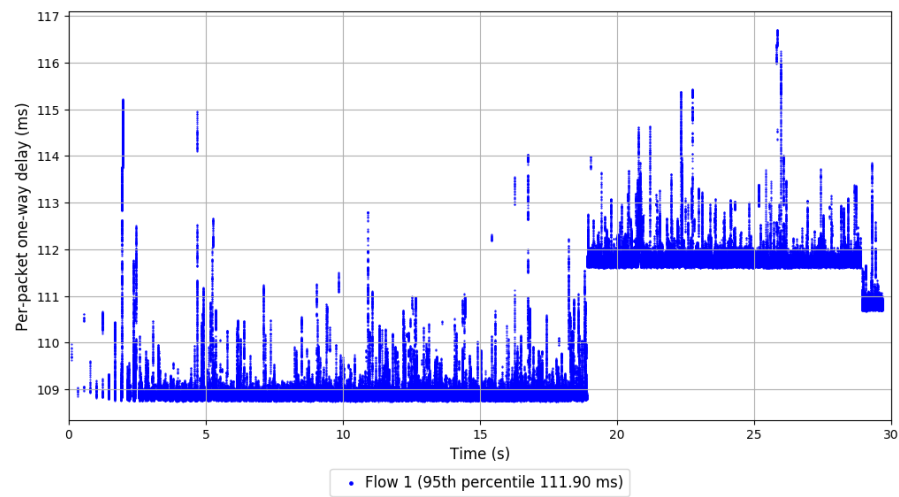
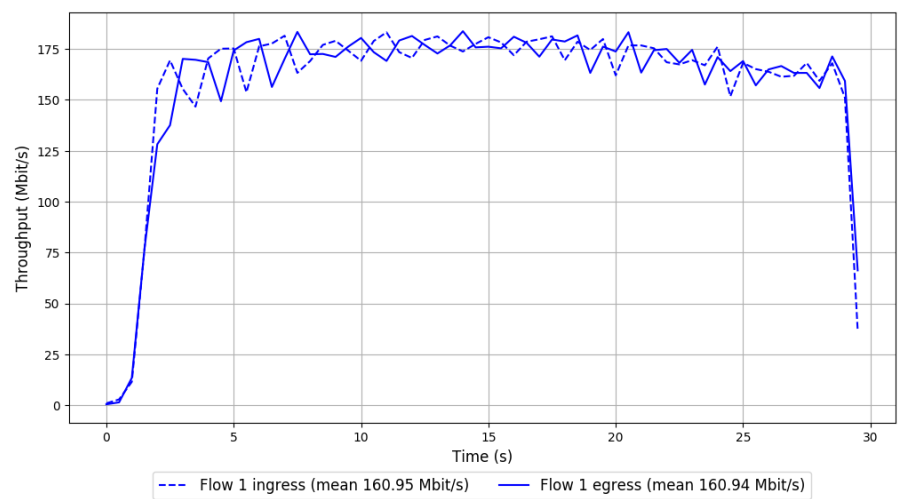


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-16 23:29:56
End at: 2018-04-16 23:30:26

# Below is generated by plot.py at 2018-04-17 03:21:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.94 Mbit/s
95th percentile per-packet one-way delay: 111.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 160.94 Mbit/s
95th percentile per-packet one-way delay: 111.901 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-16 23:43:50

End at: 2018-04-16 23:44:20

# Below is generated by plot.py at 2018-04-17 03:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 172.01 Mbit/s

95th percentile per-packet one-way delay: 111.105 ms

Loss rate: 0.00%

-- Flow 1:

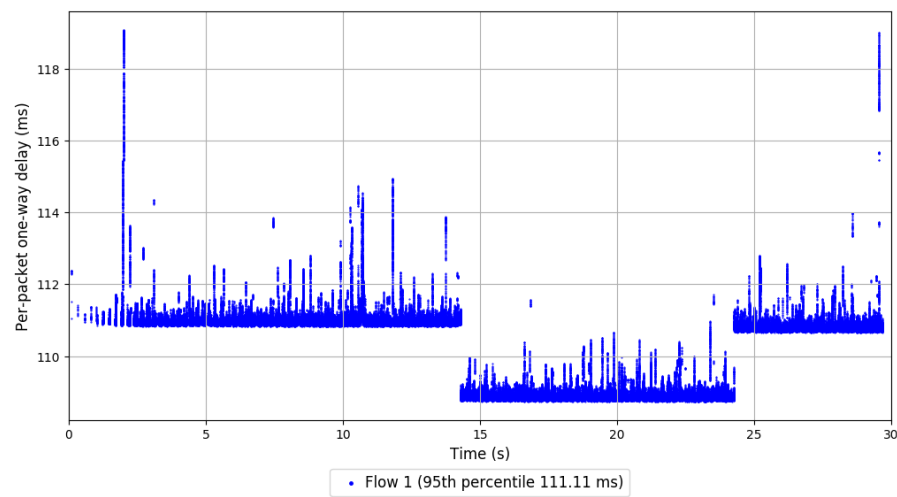
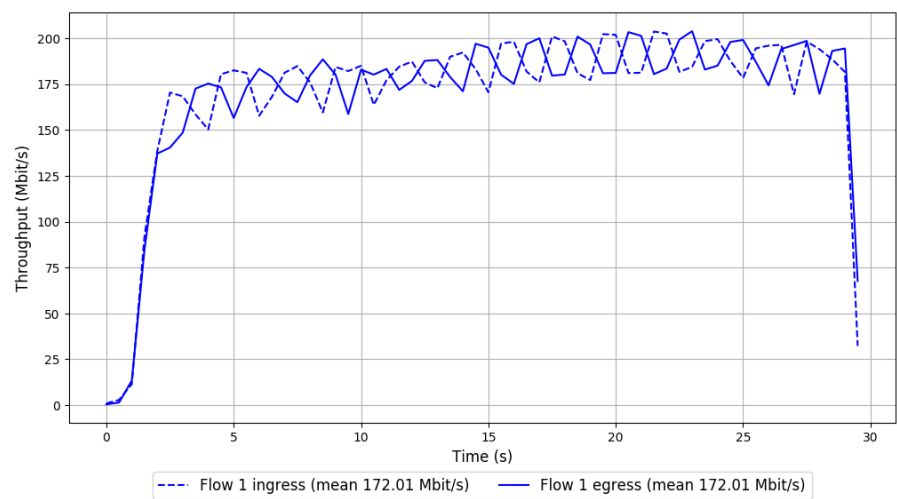
Average throughput: 172.01 Mbit/s

95th percentile per-packet one-way delay: 111.105 ms

Loss rate: 0.00%



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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-16 23:58:05

End at: 2018-04-16 23:58:35

# Below is generated by plot.py at 2018-04-17 03:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 207.84 Mbit/s

95th percentile per-packet one-way delay: 111.811 ms

Loss rate: 0.00%

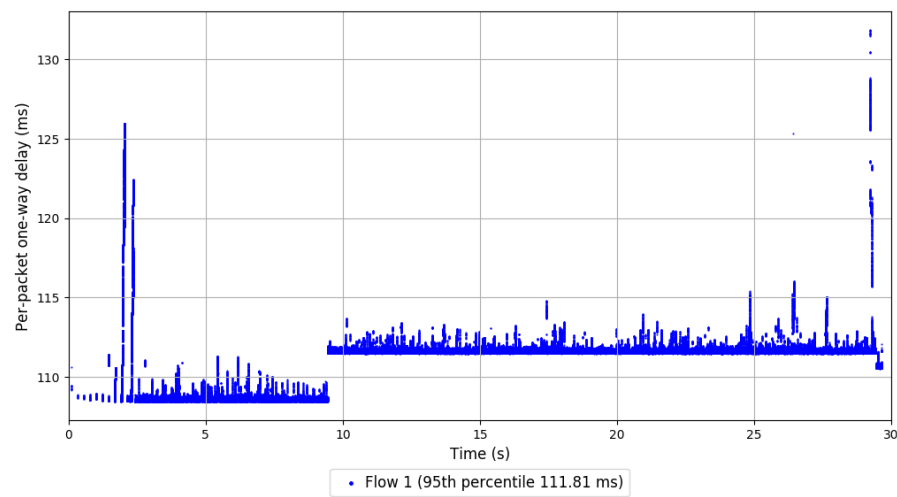
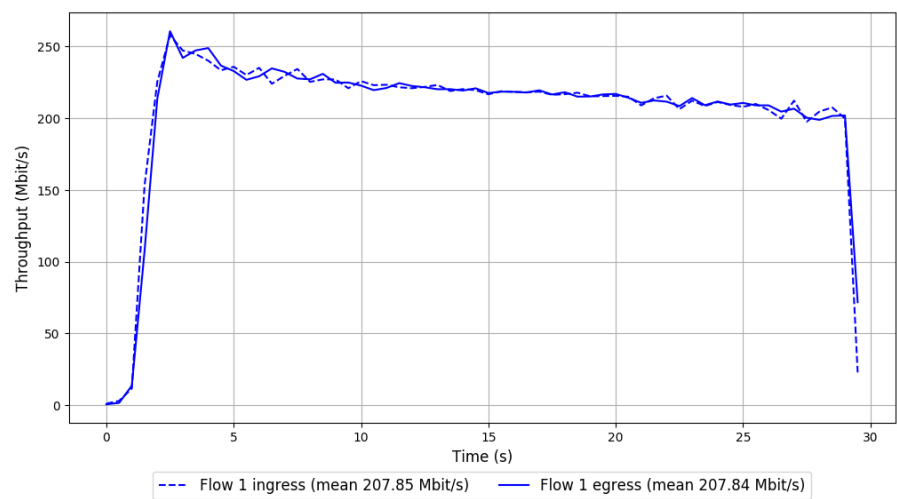
-- Flow 1:

Average throughput: 207.84 Mbit/s

95th percentile per-packet one-way delay: 111.811 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 00:12:10

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

# Below is generated by plot.py at 2018-04-17 03:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 216.01 Mbit/s

95th percentile per-packet one-way delay: 110.002 ms

Loss rate: 0.00%

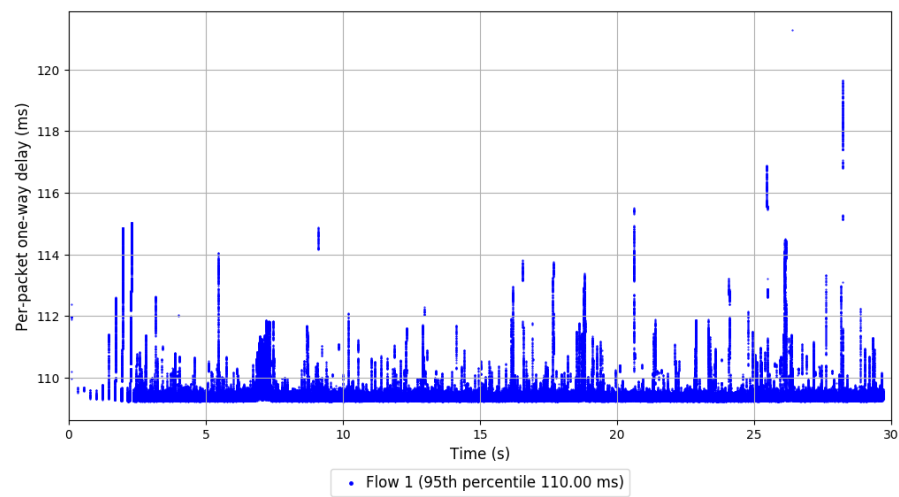
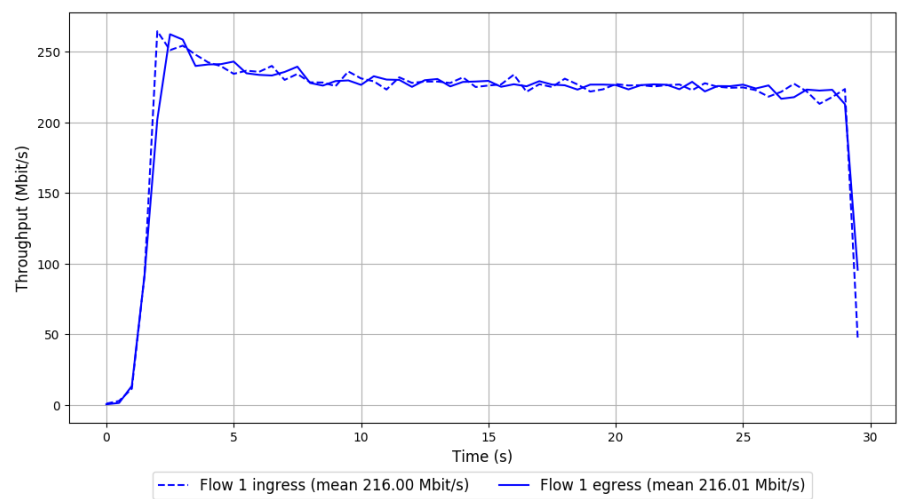
-- Flow 1:

Average throughput: 216.01 Mbit/s

95th percentile per-packet one-way delay: 110.002 ms

Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 00:25:52

End at: 2018-04-17 00:26:22

# Below is generated by plot.py at 2018-04-17 03:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 152.91 Mbit/s

95th percentile per-packet one-way delay: 111.707 ms

Loss rate: 0.00%

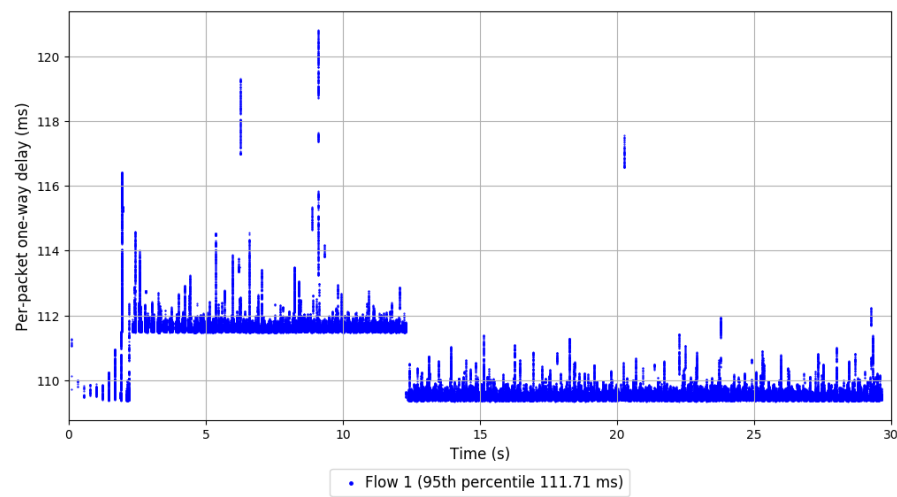
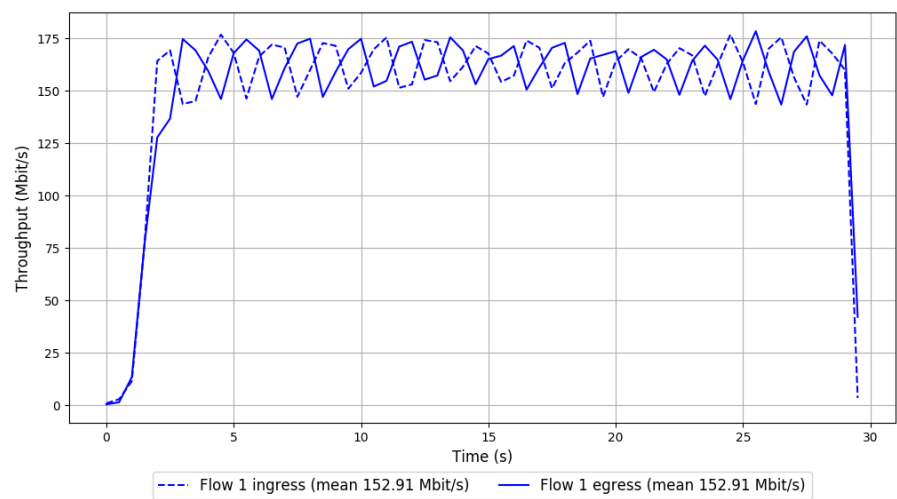
-- Flow 1:

Average throughput: 152.91 Mbit/s

95th percentile per-packet one-way delay: 111.707 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 00:40:03

End at: 2018-04-17 00:40:33

# Below is generated by plot.py at 2018-04-17 03:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 208.39 Mbit/s

95th percentile per-packet one-way delay: 112.395 ms

Loss rate: 0.00%

-- Flow 1:

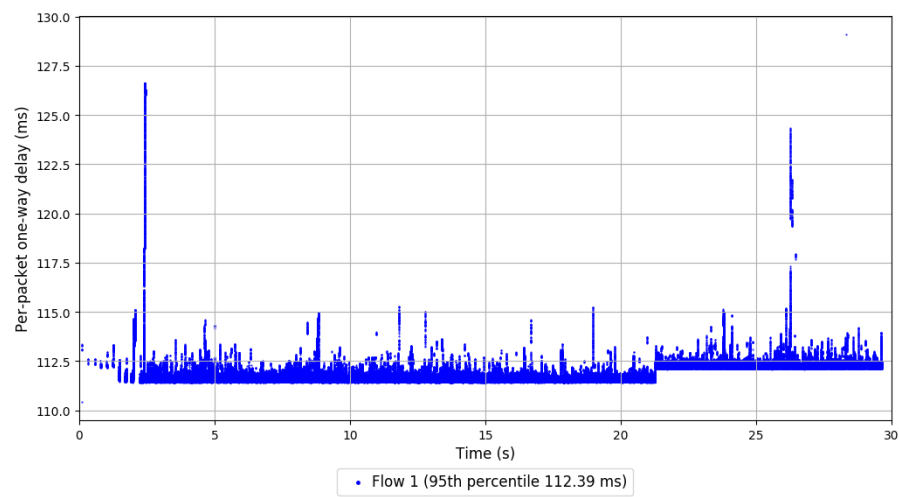
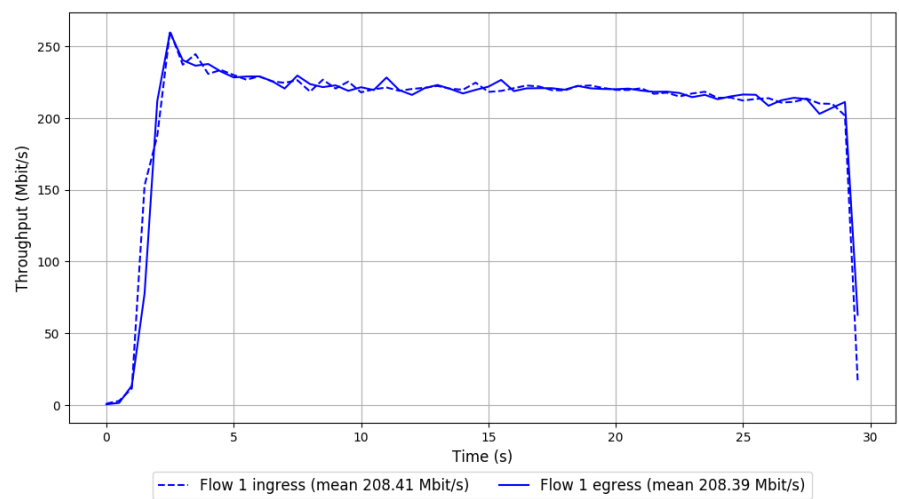
Average throughput: 208.39 Mbit/s

95th percentile per-packet one-way delay: 112.395 ms

Loss rate: 0.00%



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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 00:53:54

End at: 2018-04-17 00:54:24

# Below is generated by plot.py at 2018-04-17 03:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 149.90 Mbit/s

95th percentile per-packet one-way delay: 112.339 ms

Loss rate: 0.00%

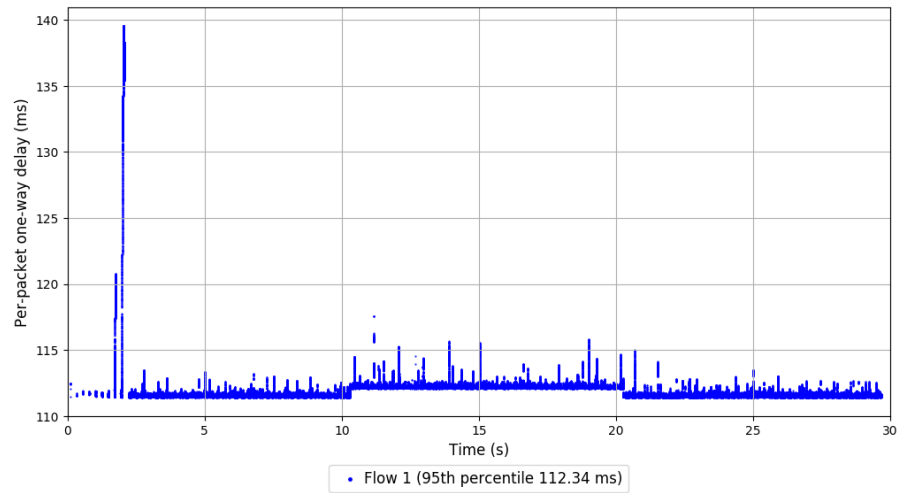
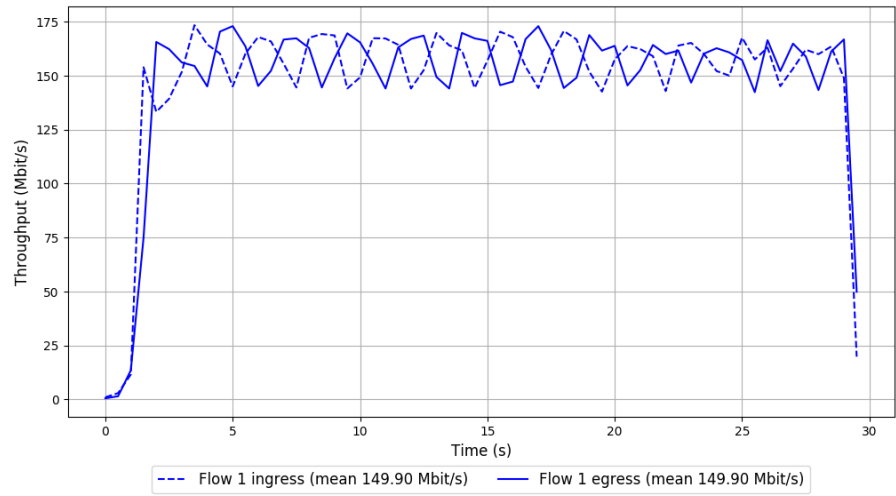
-- Flow 1:

Average throughput: 149.90 Mbit/s

95th percentile per-packet one-way delay: 112.339 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 01:08:20

End at: 2018-04-17 01:08:50

# Below is generated by plot.py at 2018-04-17 03:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 148.24 Mbit/s

95th percentile per-packet one-way delay: 109.861 ms

Loss rate: 0.00%

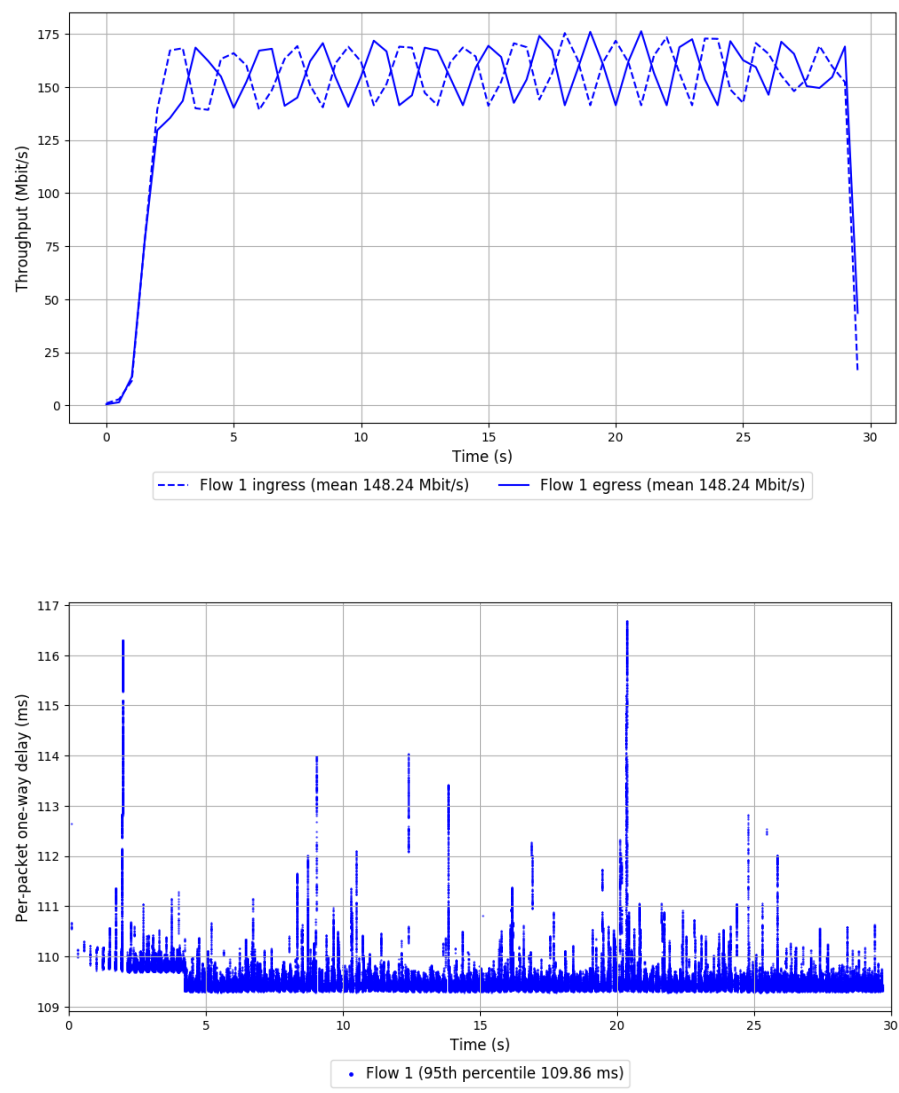
-- Flow 1:

Average throughput: 148.24 Mbit/s

95th percentile per-packet one-way delay: 109.861 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 01:22:06

End at: 2018-04-17 01:22:36

# Below is generated by plot.py at 2018-04-17 03:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 154.09 Mbit/s

95th percentile per-packet one-way delay: 112.192 ms

Loss rate: 0.00%

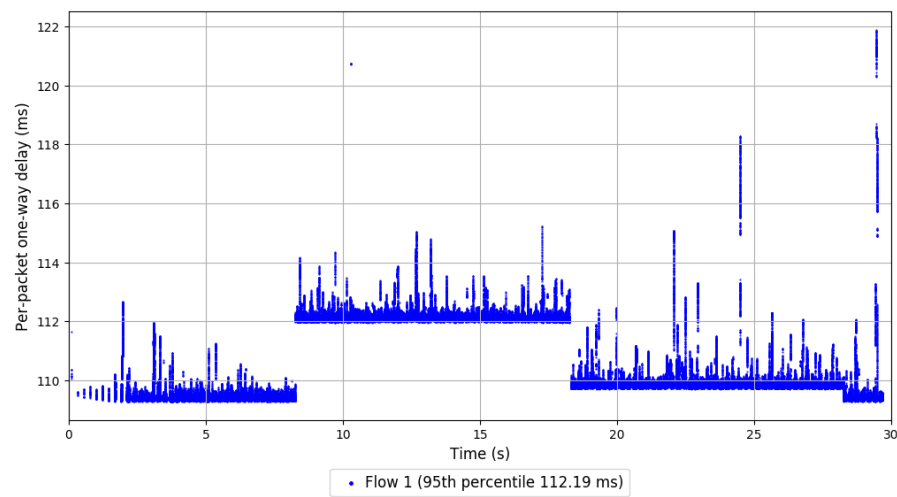
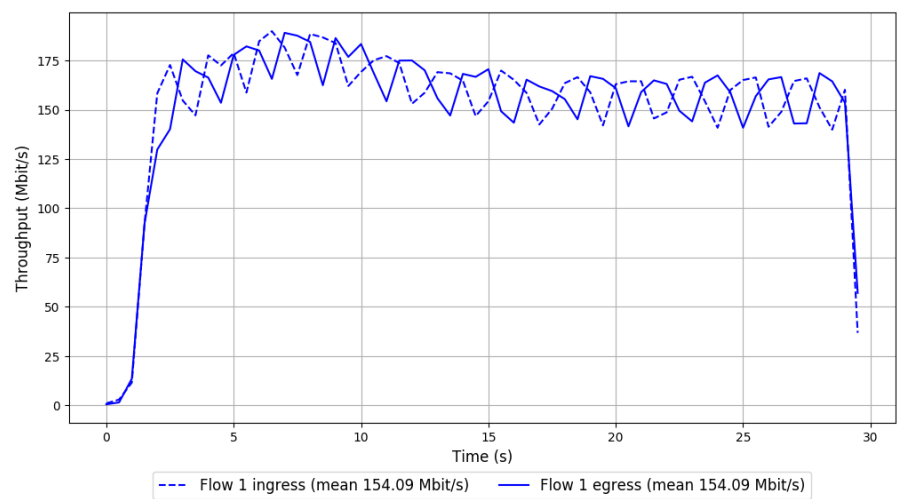
-- Flow 1:

Average throughput: 154.09 Mbit/s

95th percentile per-packet one-way delay: 112.192 ms

Loss rate: 0.00%

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



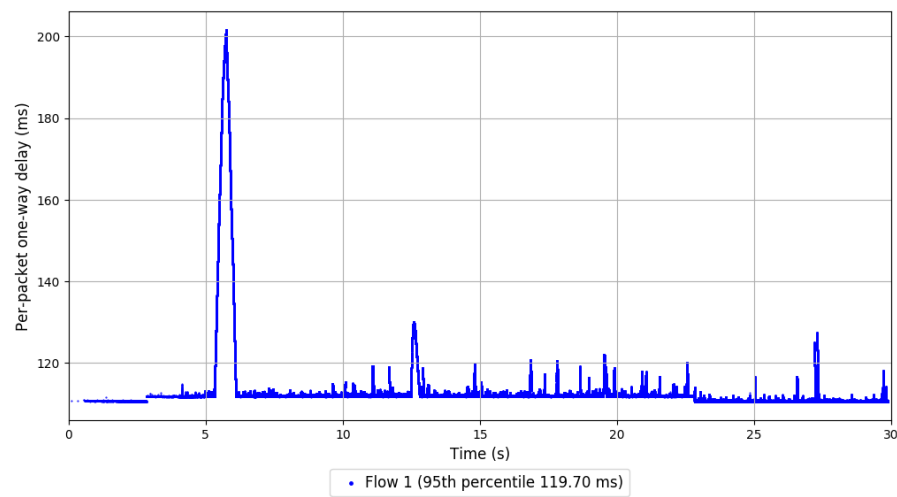
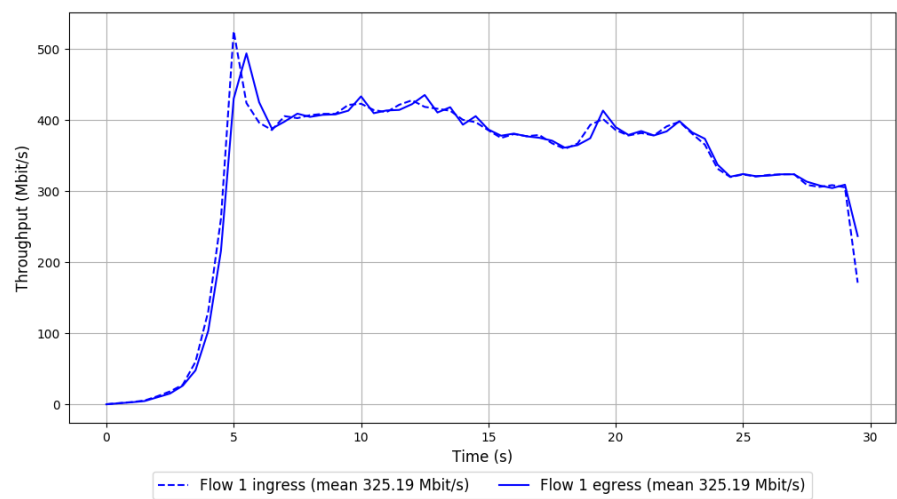
```
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-16 23:13:42
End at: 2018-04-16 23:14:12

# Below is generated by plot.py at 2018-04-17 03:21:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.19 Mbit/s
95th percentile per-packet one-way delay: 119.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 325.19 Mbit/s
95th percentile per-packet one-way delay: 119.705 ms
Loss rate: 0.00%
```



Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-16 23:27:28

End at: 2018-04-16 23:27:58

# Below is generated by plot.py at 2018-04-17 03:21:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 261.98 Mbit/s

95th percentile per-packet one-way delay: 112.603 ms

Loss rate: 0.00%

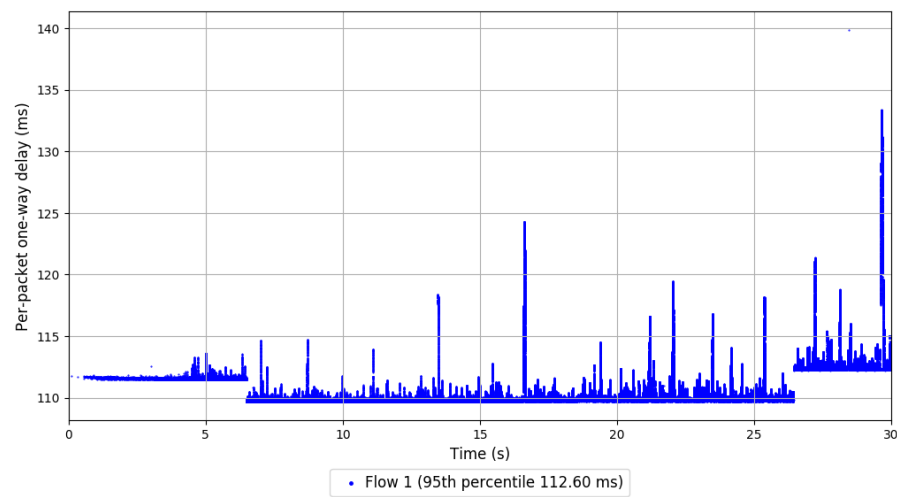
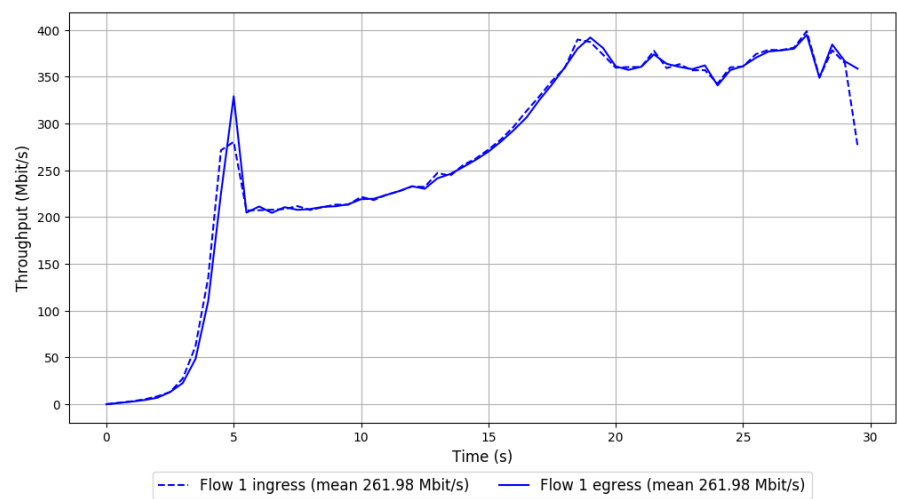
-- Flow 1:

Average throughput: 261.98 Mbit/s

95th percentile per-packet one-way delay: 112.603 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-16 23:41:17

End at: 2018-04-16 23:41:47

# Below is generated by plot.py at 2018-04-17 03:22:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 334.19 Mbit/s

95th percentile per-packet one-way delay: 161.801 ms

Loss rate: 0.20%

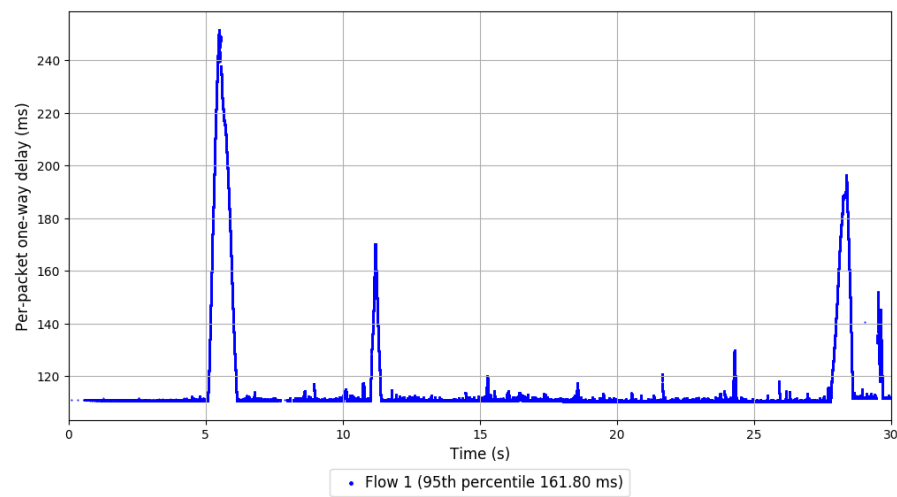
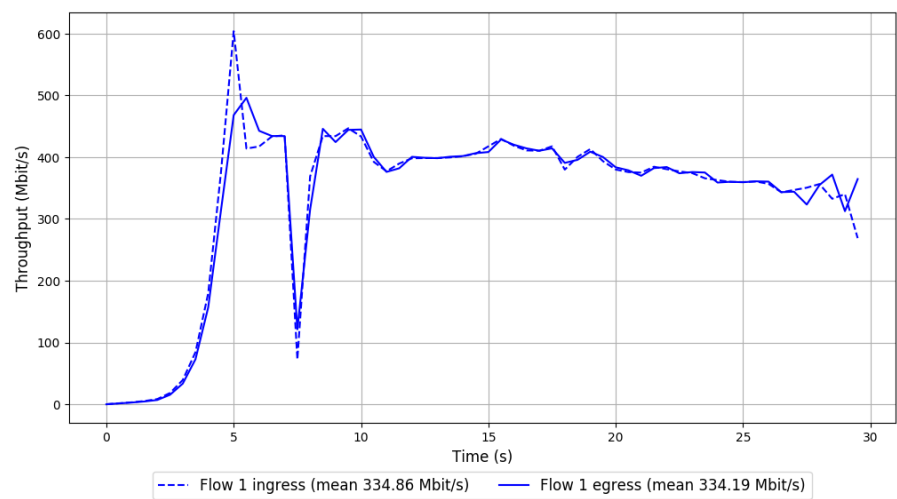
-- Flow 1:

Average throughput: 334.19 Mbit/s

95th percentile per-packet one-way delay: 161.801 ms

Loss rate: 0.20%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-16 23:55:39

End at: 2018-04-16 23:56:09

# Below is generated by plot.py at 2018-04-17 03:22:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 239.42 Mbit/s

95th percentile per-packet one-way delay: 109.716 ms

Loss rate: 0.00%

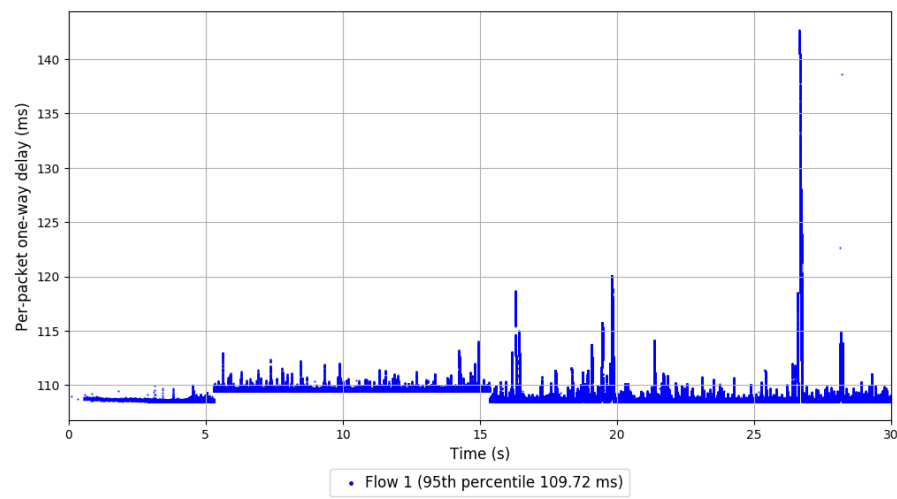
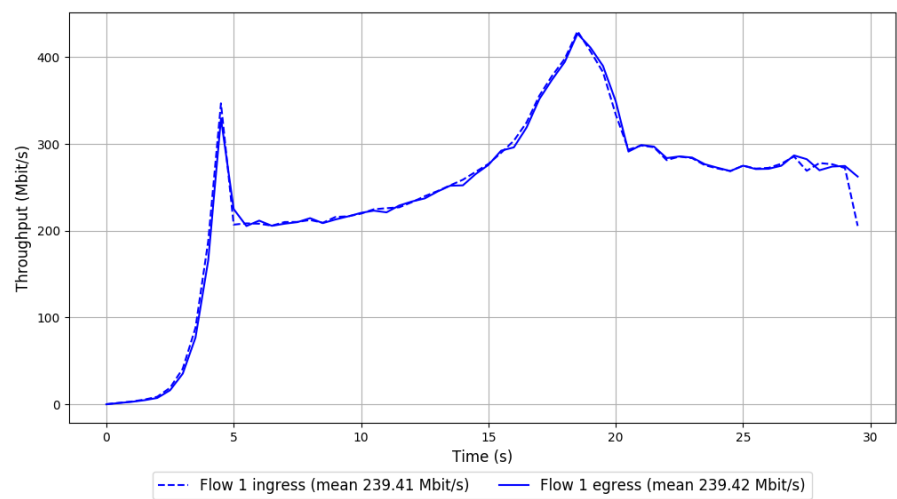
-- Flow 1:

Average throughput: 239.42 Mbit/s

95th percentile per-packet one-way delay: 109.716 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 00:09:39

End at: 2018-04-17 00:10:09

# Below is generated by plot.py at 2018-04-17 03:23:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 265.11 Mbit/s

95th percentile per-packet one-way delay: 123.418 ms

Loss rate: 0.31%

-- Flow 1:

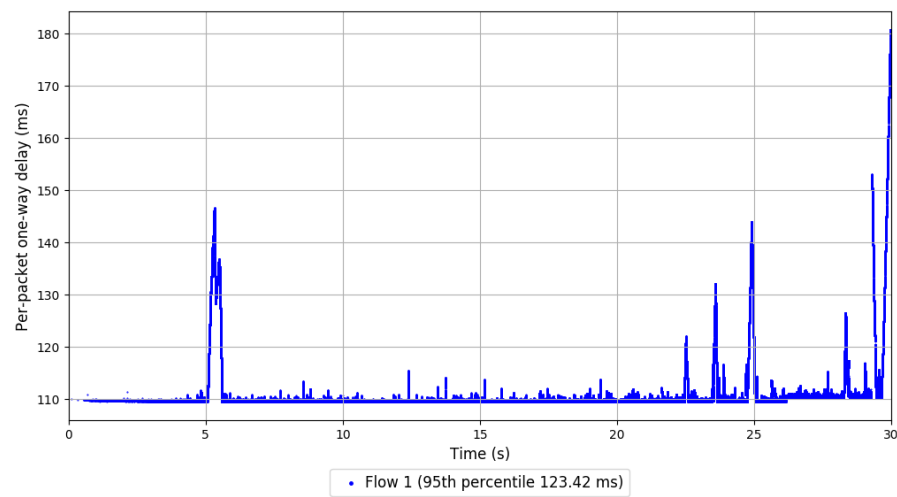
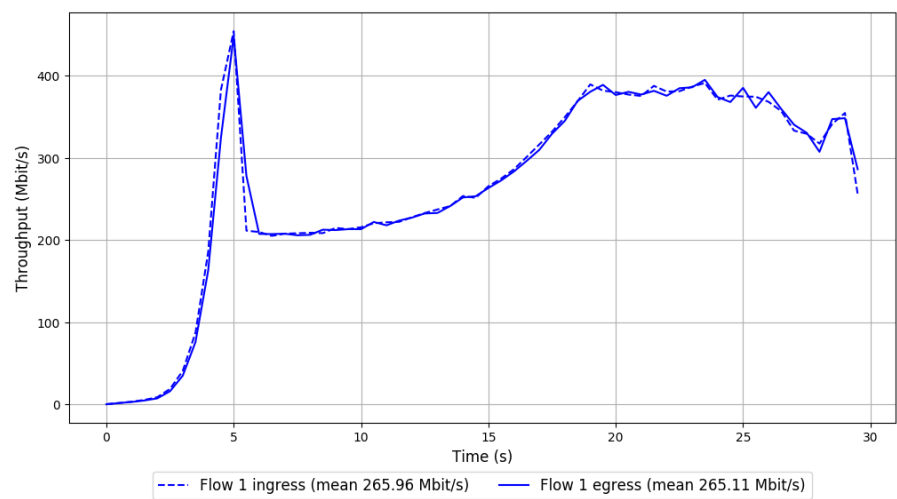
Average throughput: 265.11 Mbit/s

95th percentile per-packet one-way delay: 123.418 ms

Loss rate: 0.31%



Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 00:23:27

End at: 2018-04-17 00:23:57

# Below is generated by plot.py at 2018-04-17 03:23:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 232.19 Mbit/s

95th percentile per-packet one-way delay: 113.475 ms

Loss rate: 0.00%

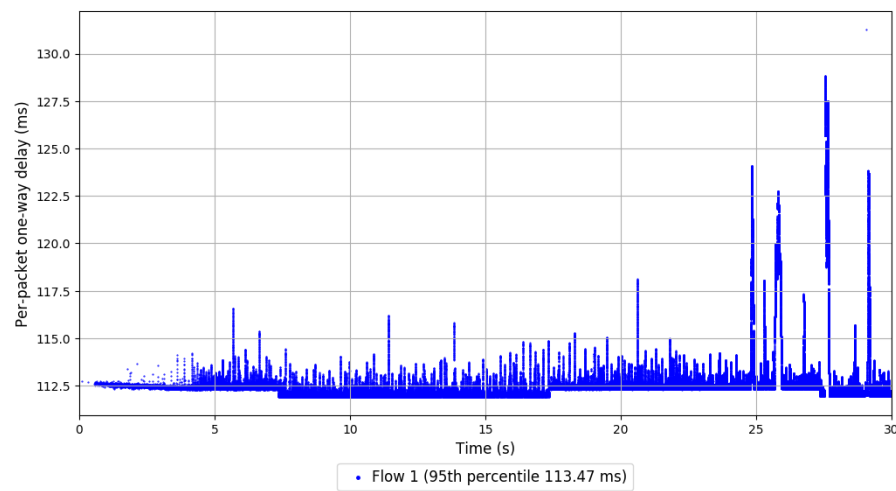
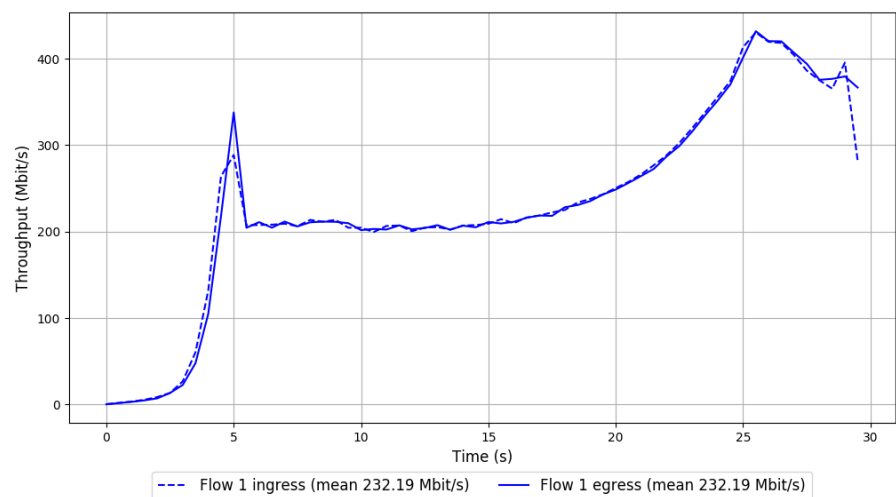
-- Flow 1:

Average throughput: 232.19 Mbit/s

95th percentile per-packet one-way delay: 113.475 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 00:37:28

End at: 2018-04-17 00:37:58

# Below is generated by plot.py at 2018-04-17 03:24:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 332.53 Mbit/s

95th percentile per-packet one-way delay: 139.677 ms

Loss rate: 0.00%

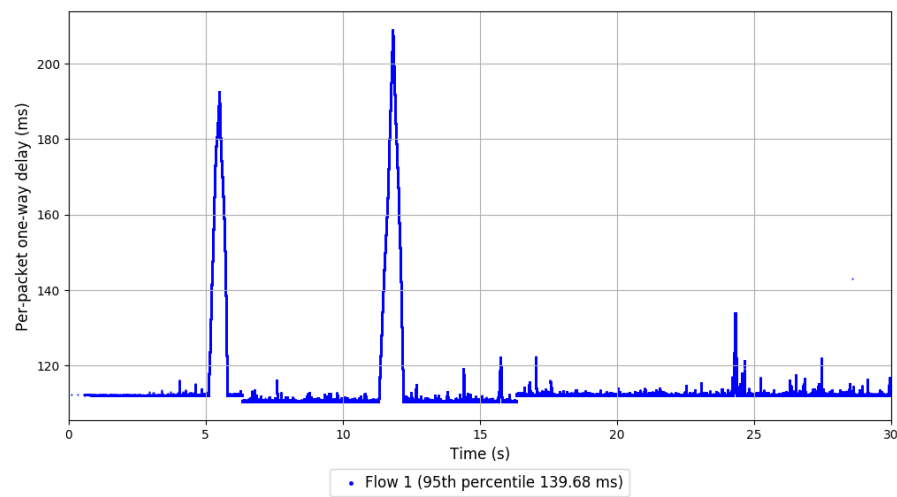
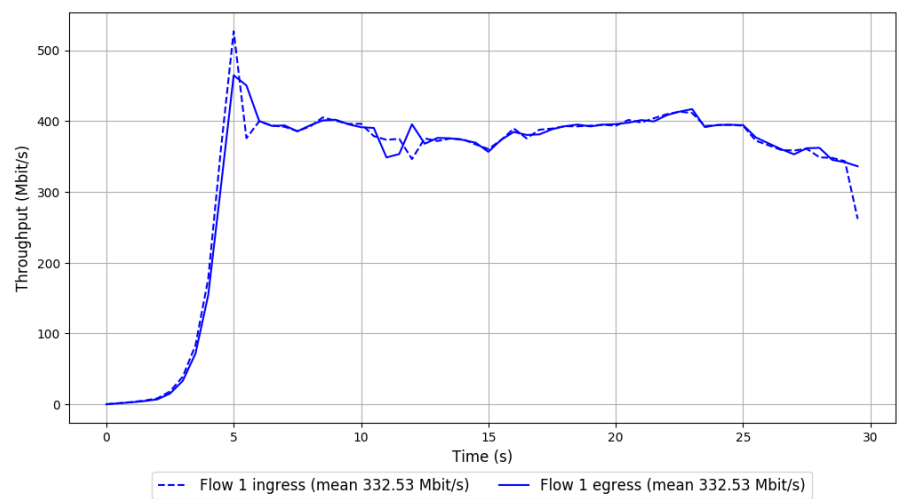
-- Flow 1:

Average throughput: 332.53 Mbit/s

95th percentile per-packet one-way delay: 139.677 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 00:51:26

End at: 2018-04-17 00:51:56

# Below is generated by plot.py at 2018-04-17 03:24:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 274.40 Mbit/s

95th percentile per-packet one-way delay: 123.368 ms

Loss rate: 0.00%

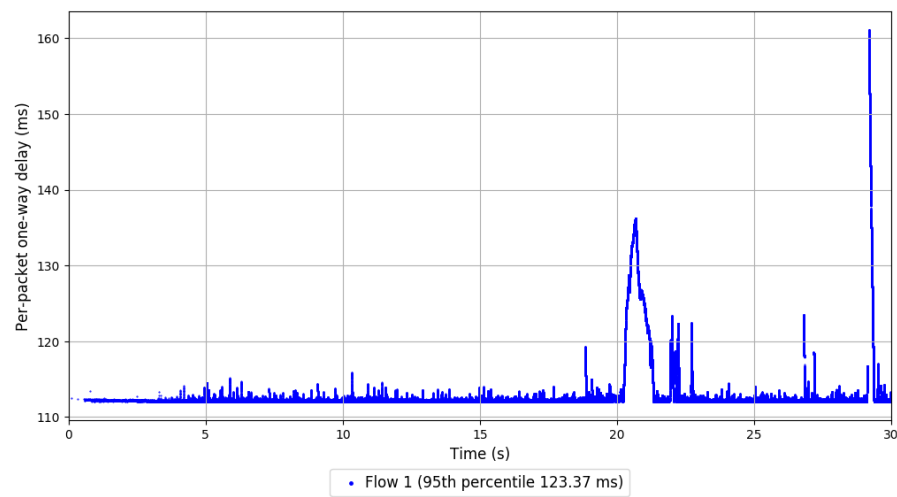
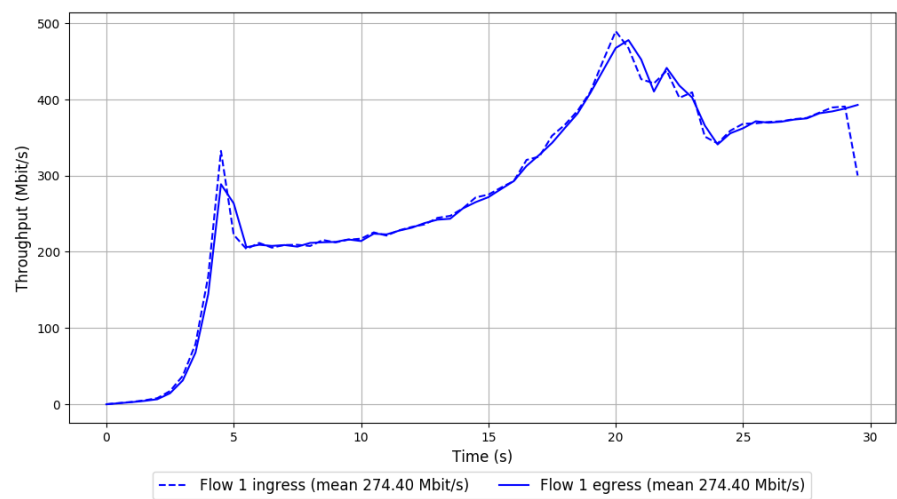
-- Flow 1:

Average throughput: 274.40 Mbit/s

95th percentile per-packet one-way delay: 123.368 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 01:05:53

End at: 2018-04-17 01:06:23

# Below is generated by plot.py at 2018-04-17 03:24:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 258.78 Mbit/s

95th percentile per-packet one-way delay: 112.729 ms

Loss rate: 0.00%

-- Flow 1:

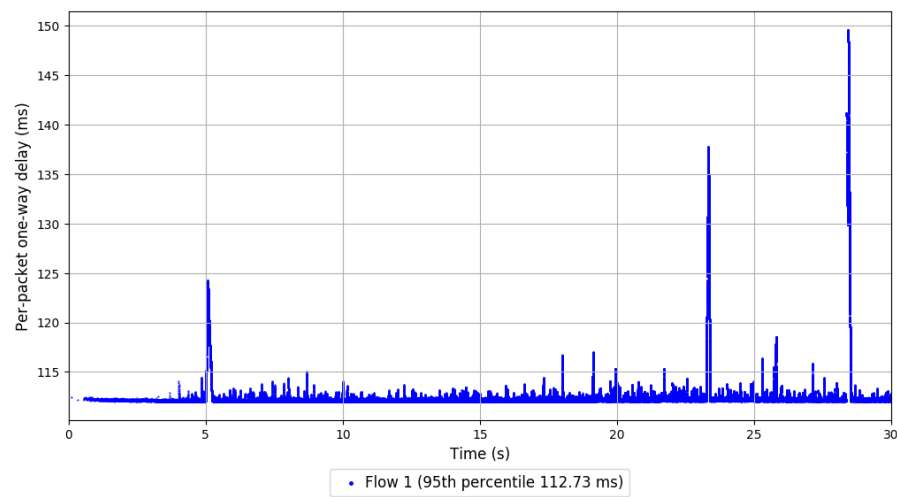
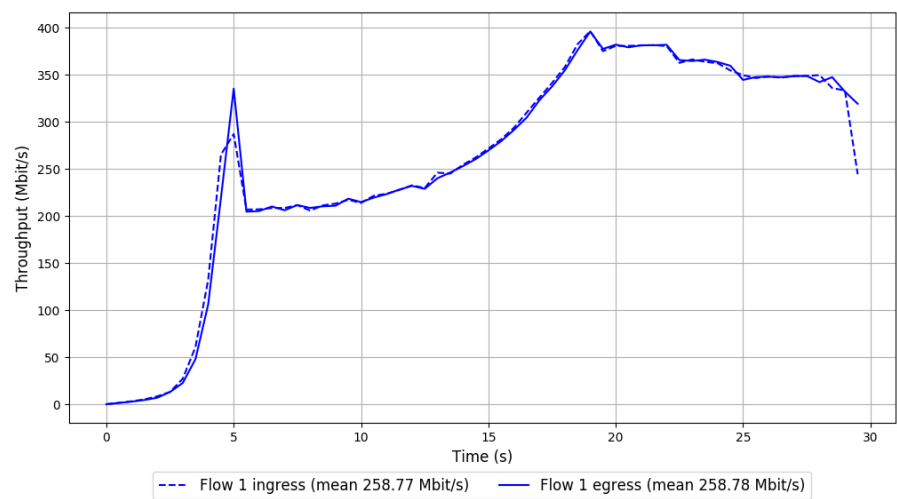
Average throughput: 258.78 Mbit/s

95th percentile per-packet one-way delay: 112.729 ms

Loss rate: 0.00%



Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 01:19:39

End at: 2018-04-17 01:20:09

# Below is generated by plot.py at 2018-04-17 03:24:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 266.72 Mbit/s

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

Loss rate: 0.01%

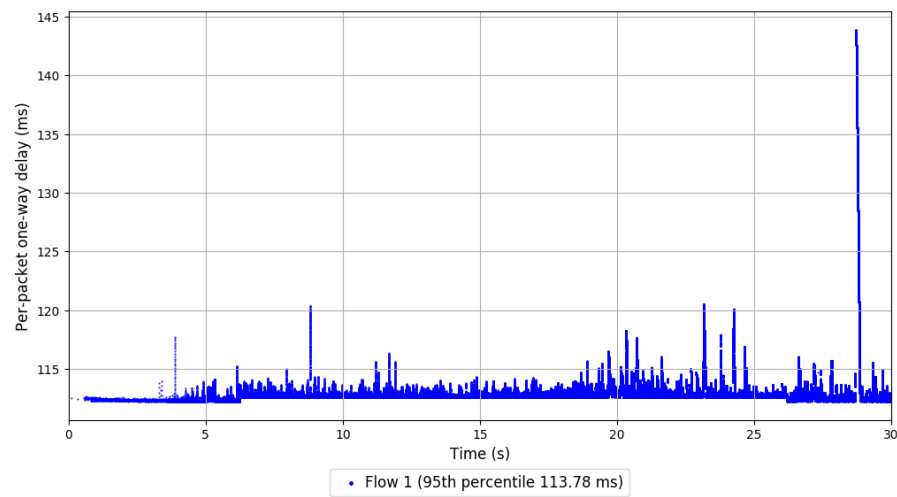
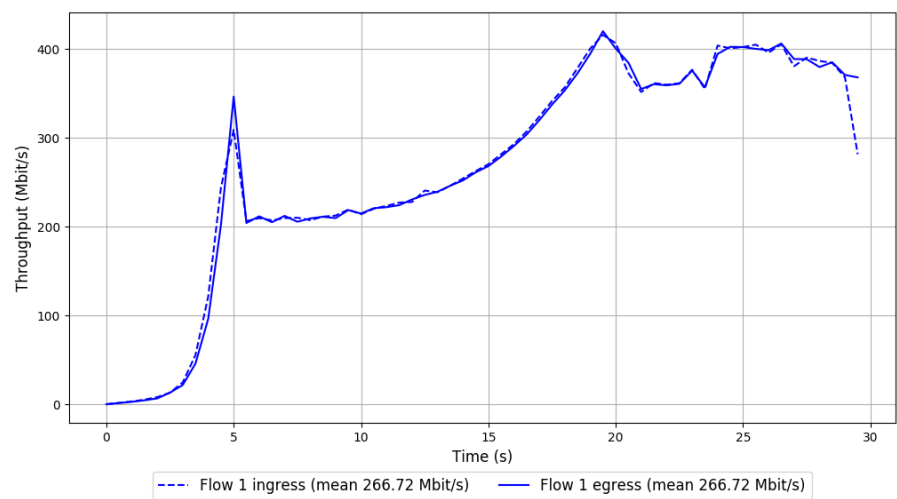
-- Flow 1:

Average throughput: 266.72 Mbit/s

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

Loss rate: 0.01%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-16 23:08:50

End at: 2018-04-16 23:09:20

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-16 23:22:38

End at: 2018-04-16 23:23:08

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-16 23:36:26

End at: 2018-04-16 23:36:56



### Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-16 23:50:30

End at: 2018-04-16 23:51:00

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 00:04:49

End at: 2018-04-17 00:05:19

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 00:18:37

End at: 2018-04-17 00:19:07

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 00:32:40

End at: 2018-04-17 00:33:10



Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 00:46:37

End at: 2018-04-17 00:47:07

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 01:00:40

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

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 01:14:49

End at: 2018-04-17 01:15:19

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing