

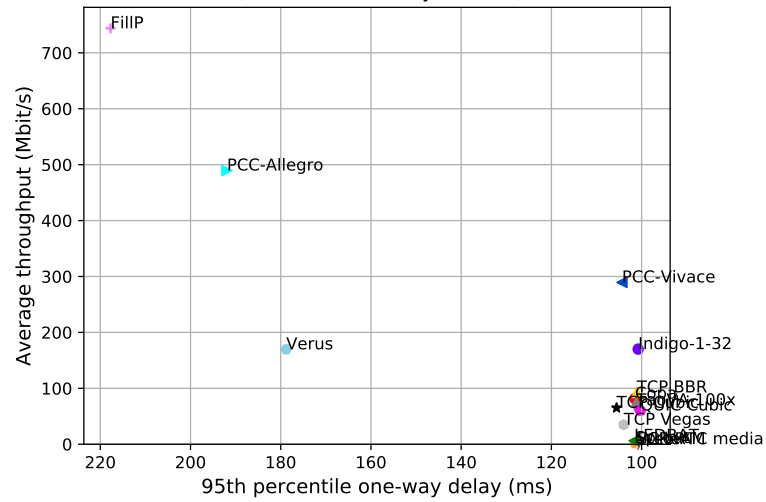
## Pantheon Report

Generated at 2018-04-17 11:13:49 (UTC).  
Data path: GCE Tokyo Ethernet (*remote*) → GCE London Ethernet (*local*).  
Repeated the test of 16 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

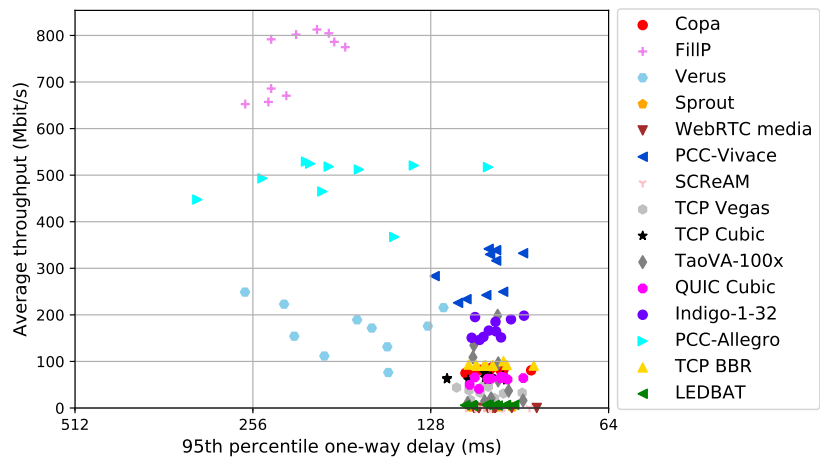
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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 Tokyo Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from GCE Tokyo Ethernet to GCE London 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     | 92.64                            | 101.08                              | 0.80                         |
| TCP Cubic    | 10     | 65.10                            | 105.56                              | 0.94                         |
| LEDBAT       | 10     | 6.19                             | 101.67                              | 1.61                         |
| PCC-Allegro  | 10     | 489.53                           | 191.92                              | 2.25                         |
| QUIC Cubic   | 10     | 60.42                            | 100.31                              | 0.96                         |
| SCReAM       | 10     | 0.20                             | 101.07                              | 0.76                         |
| WebRTC media | 10     | 0.06                             | 100.86                              | 0.00                         |
| Sprout       | 10     | 2.01                             | 101.47                              | 0.95                         |
| TaoVA-100x   | 10     | 69.66                            | 101.18                              | 1.43                         |
| TCP Vegas    | 10     | 34.80                            | 103.98                              | 0.78                         |
| Verus        | 10     | 169.77                           | 178.79                              | 1.55                         |
| Copa         | 10     | 81.51                            | 101.47                              | 0.57                         |
| FillP        | 10     | 743.81                           | 217.74                              | 7.16                         |
| Indigo-1-32  | 10     | 170.11                           | 100.76                              | 0.78                         |
| PCC-Vivace   | 10     | 289.44                           | 104.36                              | 1.00                         |
| PCC-Expr     | 0      | N/A                              | N/A                                 | N/A                          |

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 05:32:46

End at: 2018-04-17 05:33:16

# Below is generated by plot.py at 2018-04-17 10:21:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 107.392 ms

Loss rate: 0.84%

-- Flow 1:

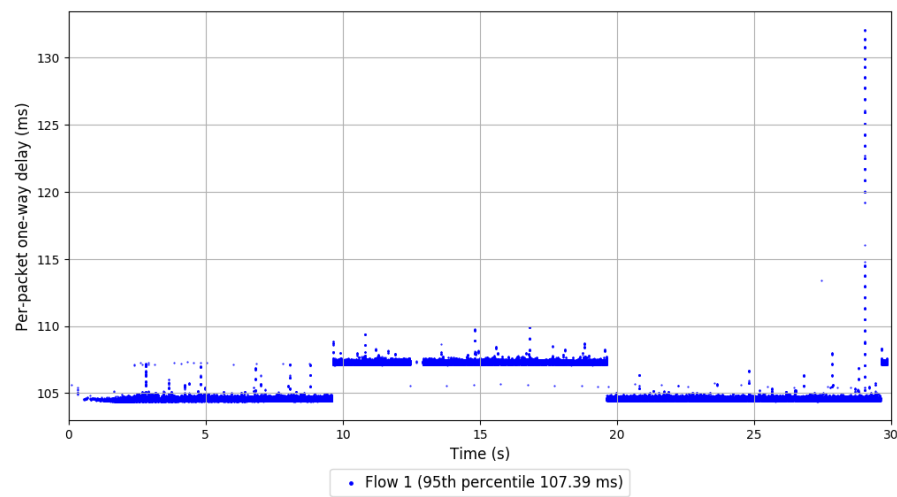
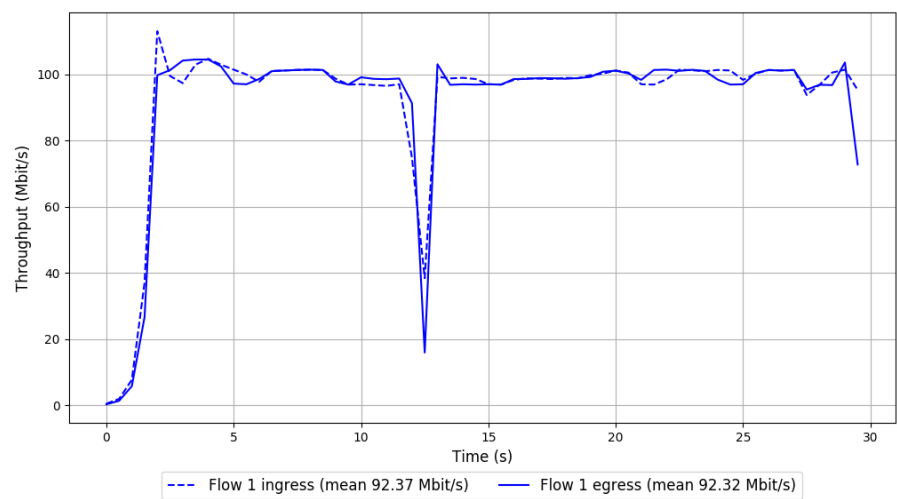
Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 107.392 ms

Loss rate: 0.84%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 05:46:28

End at: 2018-04-17 05:46:58

# Below is generated by plot.py at 2018-04-17 10:21:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 103.433 ms

Loss rate: 0.79%

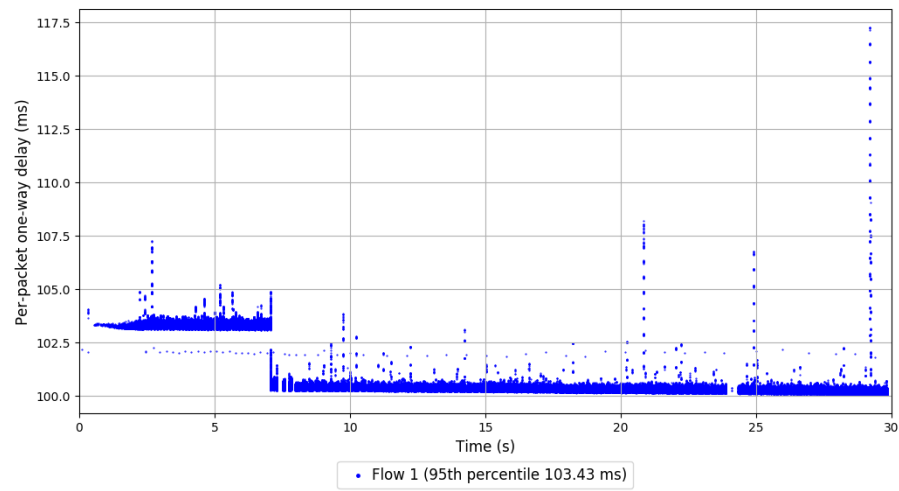
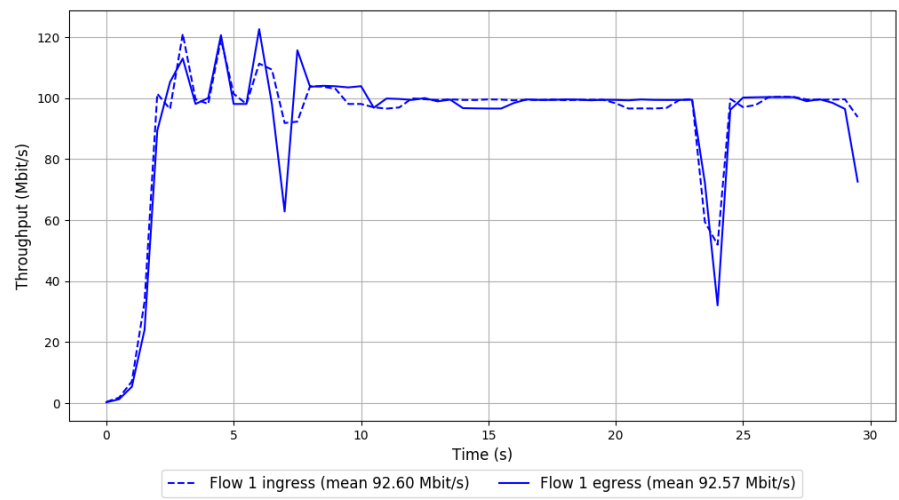
-- Flow 1:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 103.433 ms

Loss rate: 0.79%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-17 06:00:25

End at: 2018-04-17 06:00:55

# Below is generated by plot.py at 2018-04-17 10:21:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.43 Mbit/s

95th percentile per-packet one-way delay: 95.217 ms

Loss rate: 0.78%

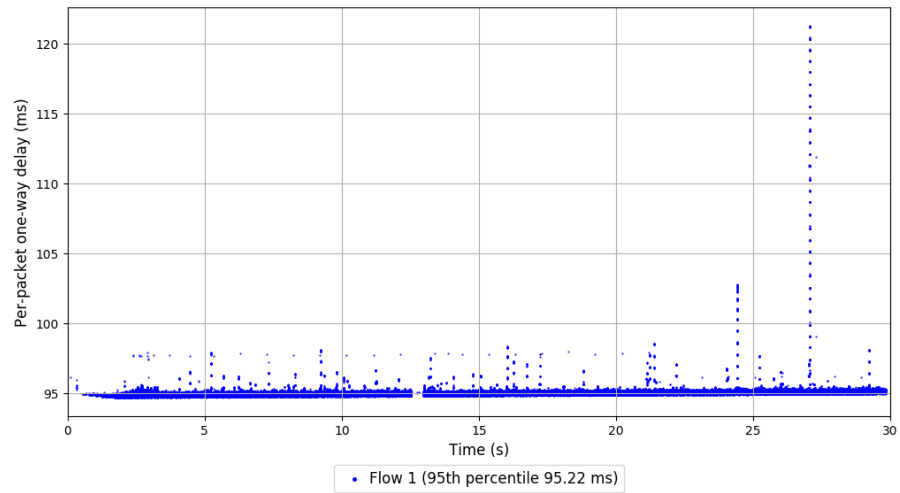
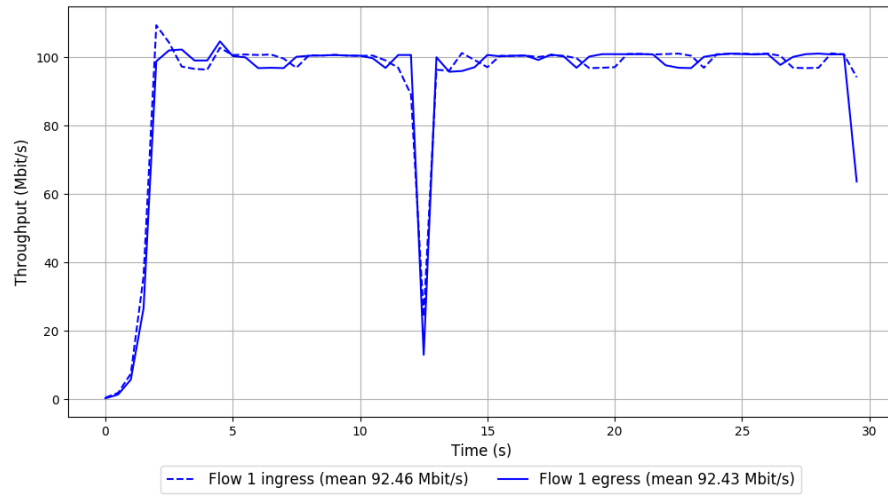
-- Flow 1:

Average throughput: 92.43 Mbit/s

95th percentile per-packet one-way delay: 95.217 ms

Loss rate: 0.78%

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



Run 4: Statistics of TCP BBR

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

End at: 2018-04-17 06:14:47

# Below is generated by plot.py at 2018-04-17 10:21:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 100.51 Mbit/s

95th percentile per-packet one-way delay: 96.398 ms

Loss rate: 0.76%

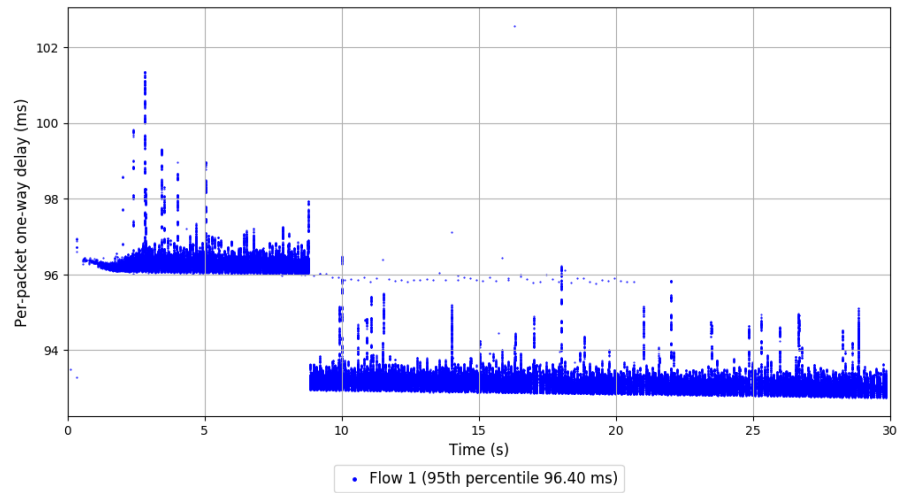
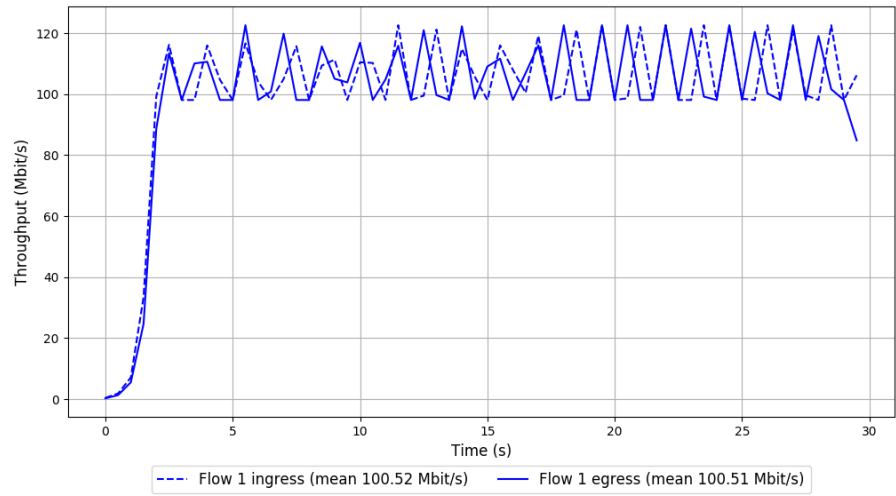
-- Flow 1:

Average throughput: 100.51 Mbit/s

95th percentile per-packet one-way delay: 96.398 ms

Loss rate: 0.76%

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



Run 5: Statistics of TCP BBR

Start at: 2018-04-17 06:28:10

End at: 2018-04-17 06:28:40

# Below is generated by plot.py at 2018-04-17 10:21:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 85.686 ms

Loss rate: 0.88%

-- Flow 1:

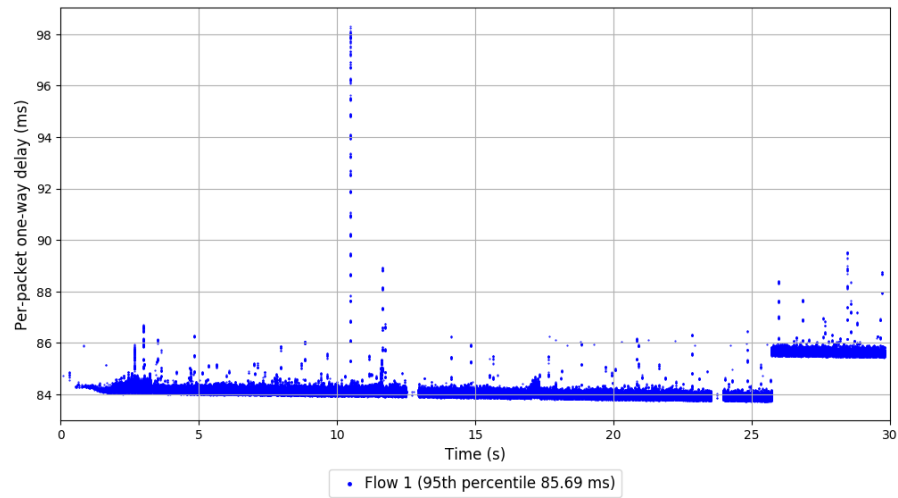
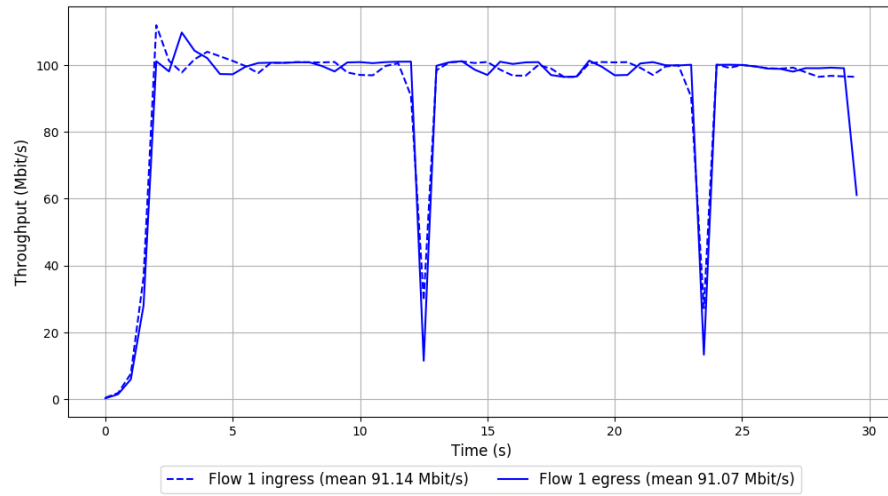
Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 85.686 ms

Loss rate: 0.88%



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



Run 6: Statistics of TCP BBR

Start at: 2018-04-17 06:41:58

End at: 2018-04-17 06:42:28

# Below is generated by plot.py at 2018-04-17 10:21:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 100.539 ms

Loss rate: 0.76%

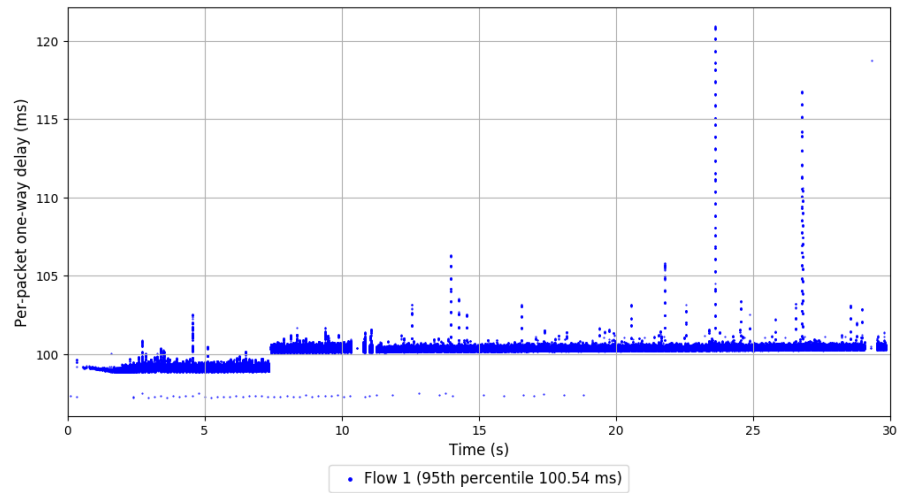
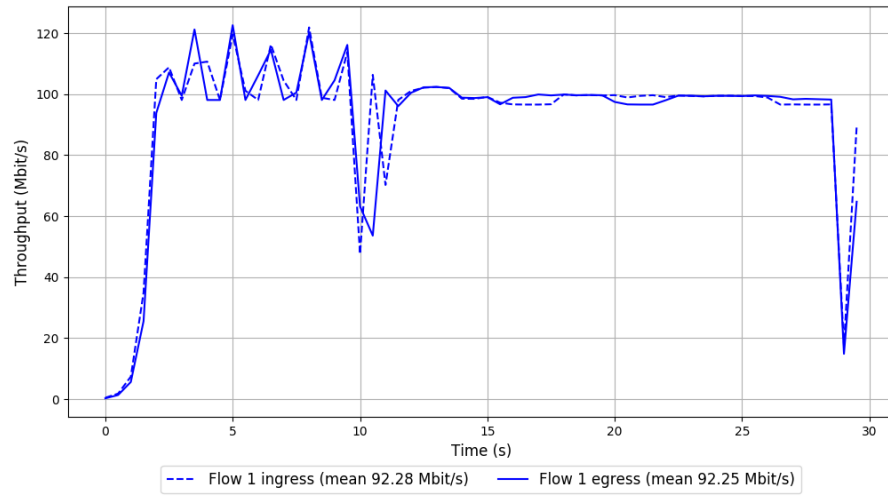
-- Flow 1:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 100.539 ms

Loss rate: 0.76%

# Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-17 06:55:52

End at: 2018-04-17 06:56:22

# Below is generated by plot.py at 2018-04-17 10:21:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 100.607 ms

Loss rate: 0.79%

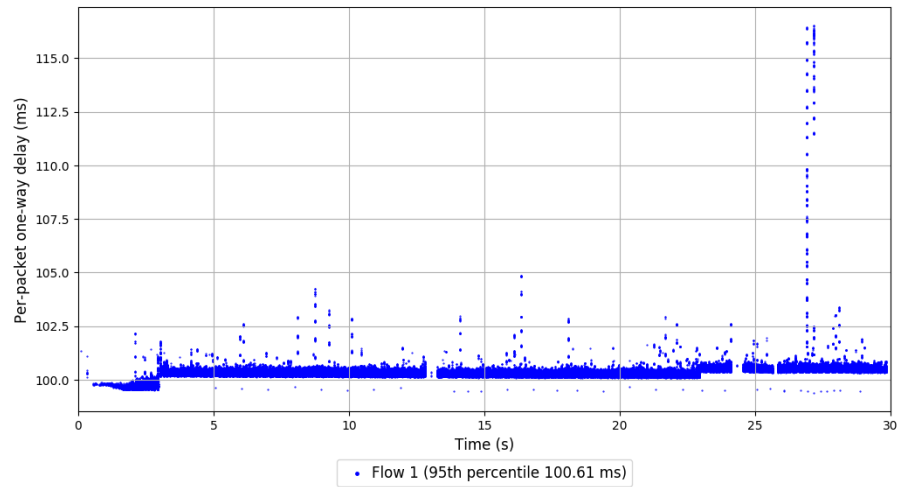
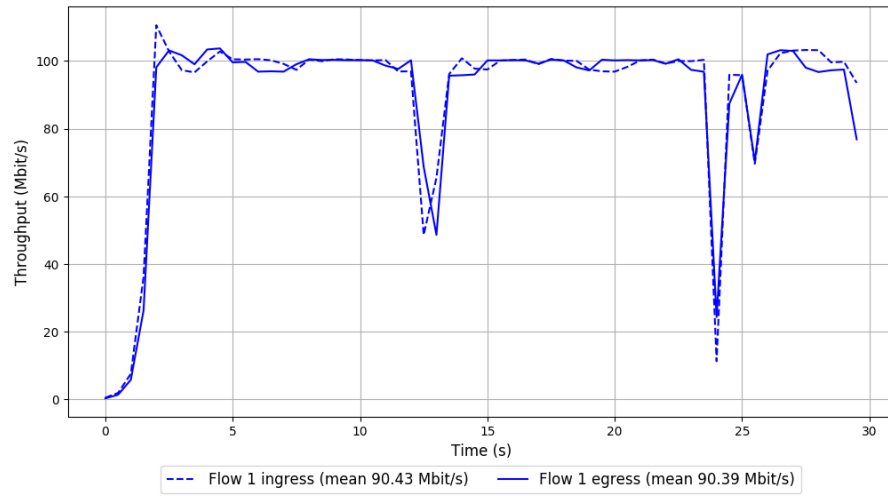
-- Flow 1:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 100.607 ms

Loss rate: 0.79%

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



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 07:10:03

End at: 2018-04-17 07:10:33

# Below is generated by plot.py at 2018-04-17 10:21:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 104.088 ms

Loss rate: 0.79%

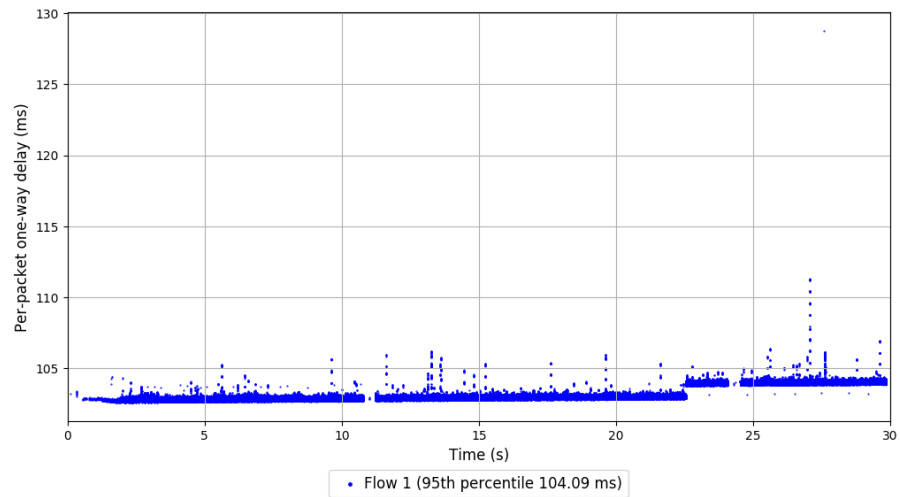
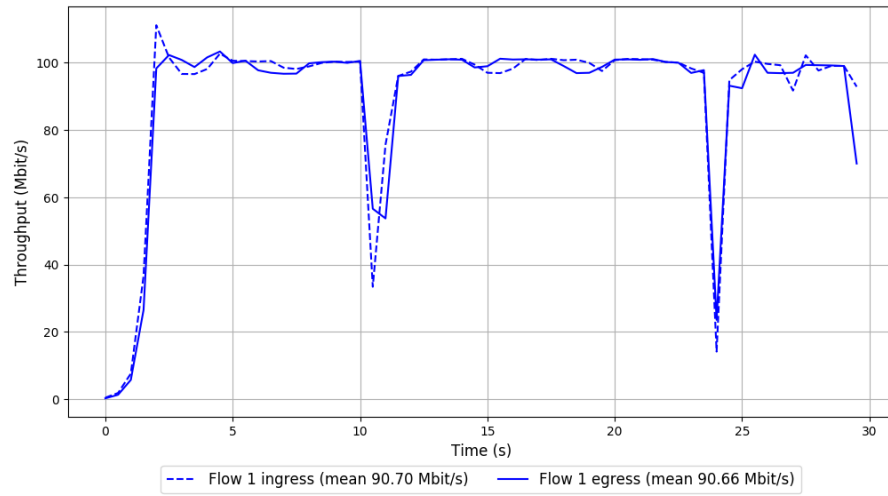
-- Flow 1:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 104.088 ms

Loss rate: 0.79%

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



Run 9: Statistics of TCP BBR

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

End at: 2018-04-17 07:24:38

# Below is generated by plot.py at 2018-04-17 10:22:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 110.405 ms

Loss rate: 0.77%

-- Flow 1:

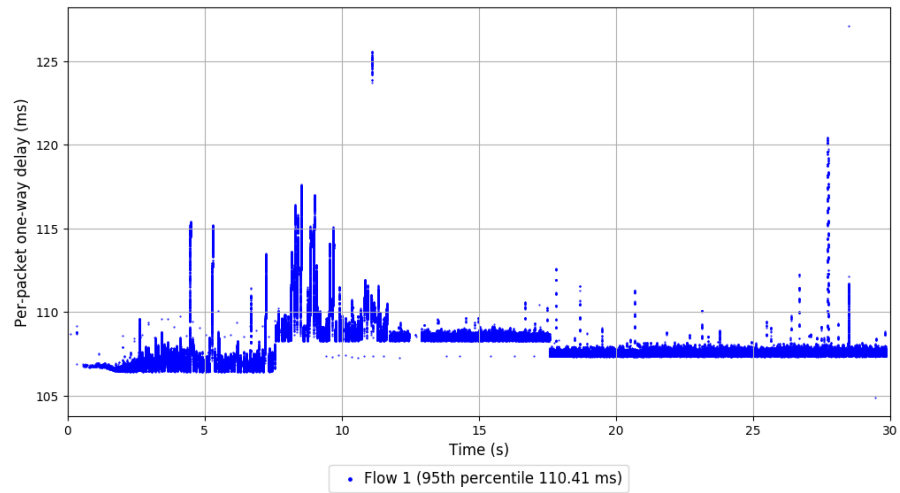
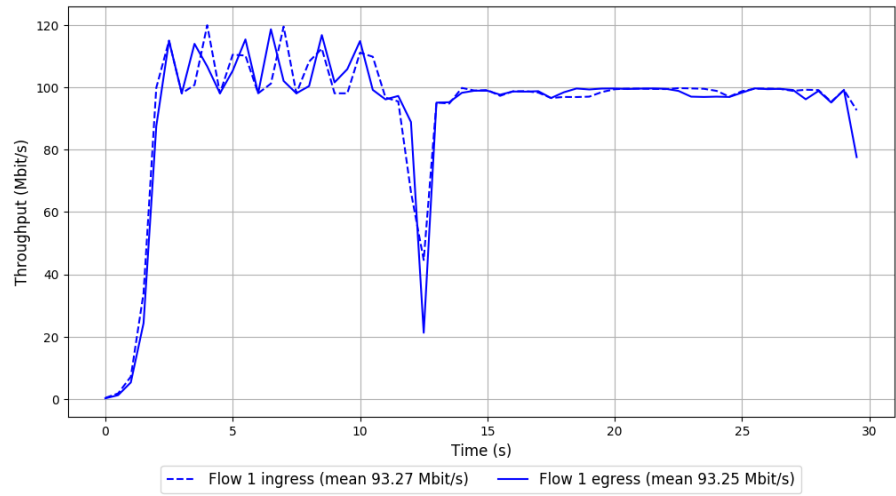
Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 110.405 ms

Loss rate: 0.77%



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



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 07:38:18

End at: 2018-04-17 07:38:48

# Below is generated by plot.py at 2018-04-17 10:22:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 107.006 ms

Loss rate: 0.85%

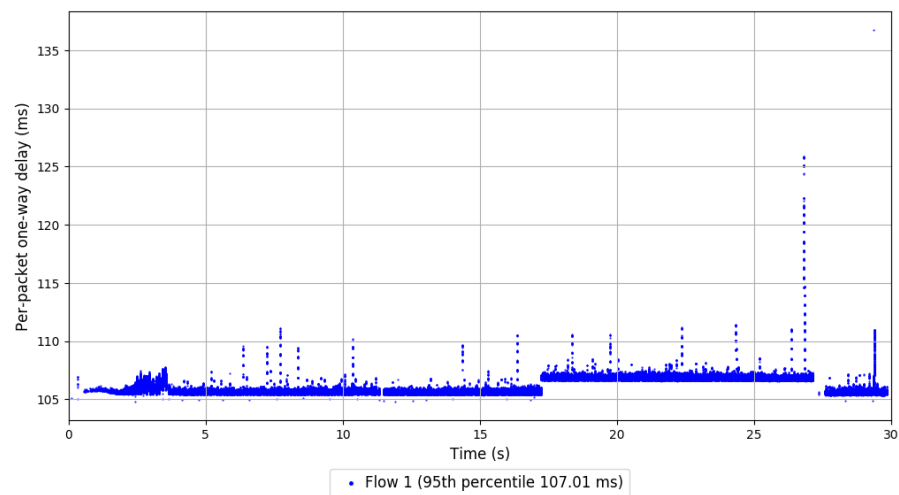
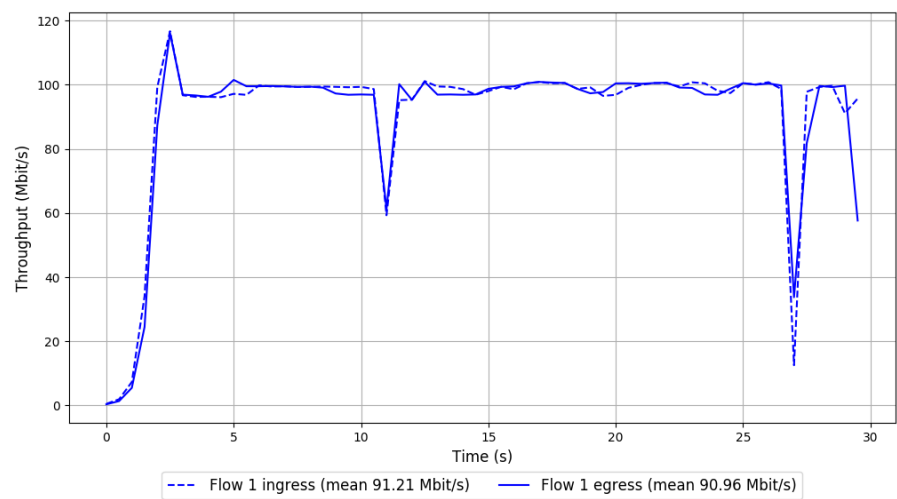
-- Flow 1:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 107.006 ms

Loss rate: 0.85%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 05:38:59

End at: 2018-04-17 05:39:29

# Below is generated by plot.py at 2018-04-17 10:22:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.60 Mbit/s

95th percentile per-packet one-way delay: 101.856 ms

Loss rate: 1.15%

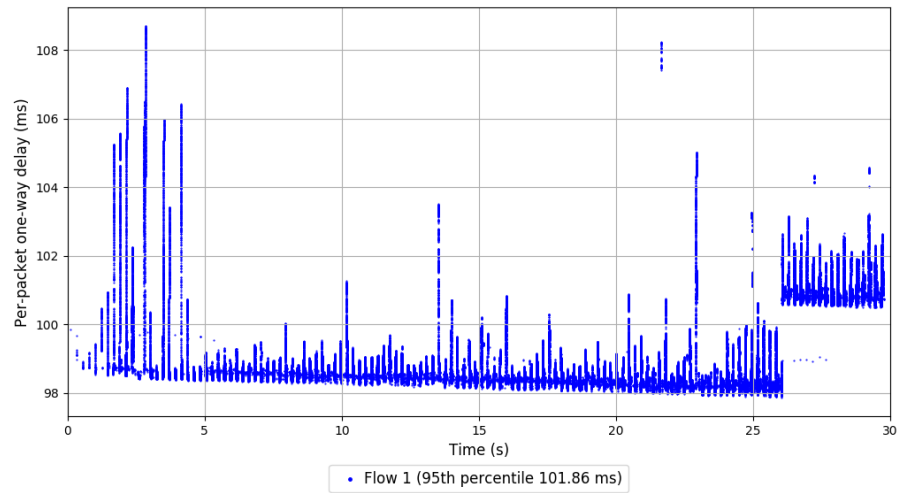
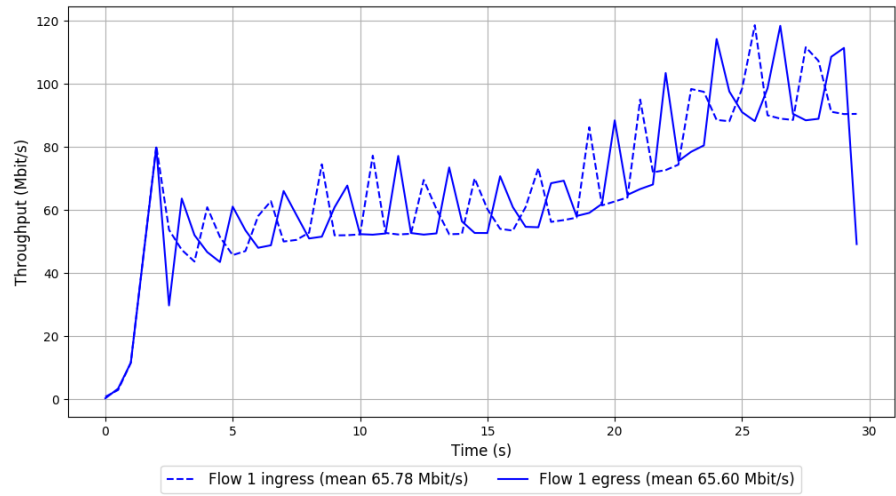
-- Flow 1:

Average throughput: 65.60 Mbit/s

95th percentile per-packet one-way delay: 101.856 ms

Loss rate: 1.15%

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



Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 05:52:44

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

# Below is generated by plot.py at 2018-04-17 10:22:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.80 Mbit/s

95th percentile per-packet one-way delay: 101.174 ms

Loss rate: 1.08%

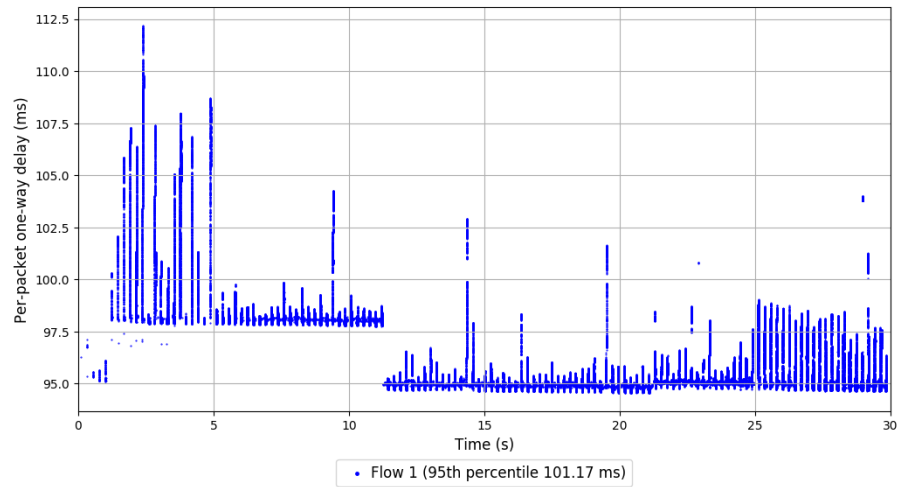
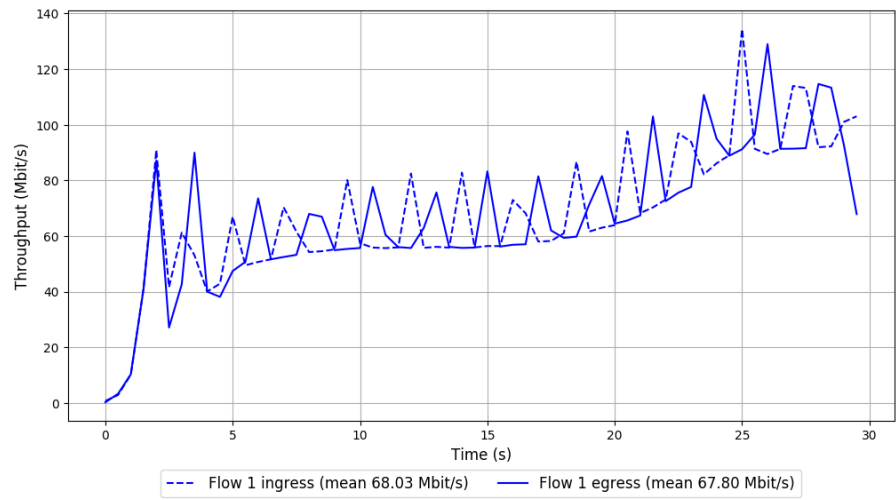
-- Flow 1:

Average throughput: 67.80 Mbit/s

95th percentile per-packet one-way delay: 101.174 ms

Loss rate: 1.08%

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



Run 3: Statistics of TCP Cubic

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

End at: 2018-04-17 06:07:11

# Below is generated by plot.py at 2018-04-17 10:22:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.37 Mbit/s

95th percentile per-packet one-way delay: 103.594 ms

Loss rate: 1.21%

-- Flow 1:

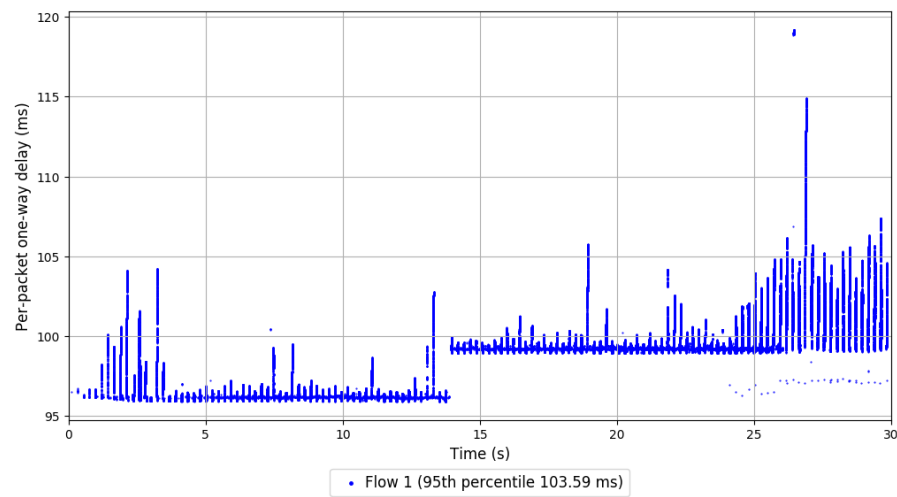
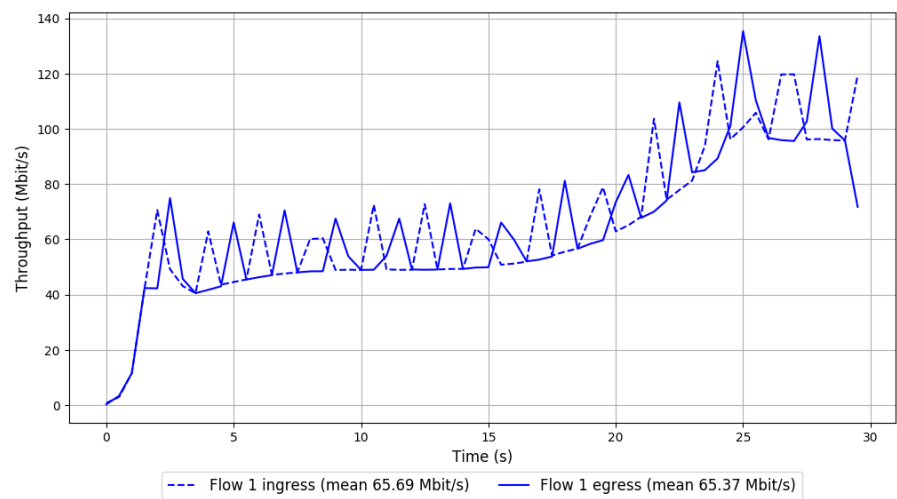
Average throughput: 65.37 Mbit/s

95th percentile per-packet one-way delay: 103.594 ms

Loss rate: 1.21%



Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 06:20:35

End at: 2018-04-17 06:21:05

# Below is generated by plot.py at 2018-04-17 10:22:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 95.304 ms

Loss rate: 0.86%

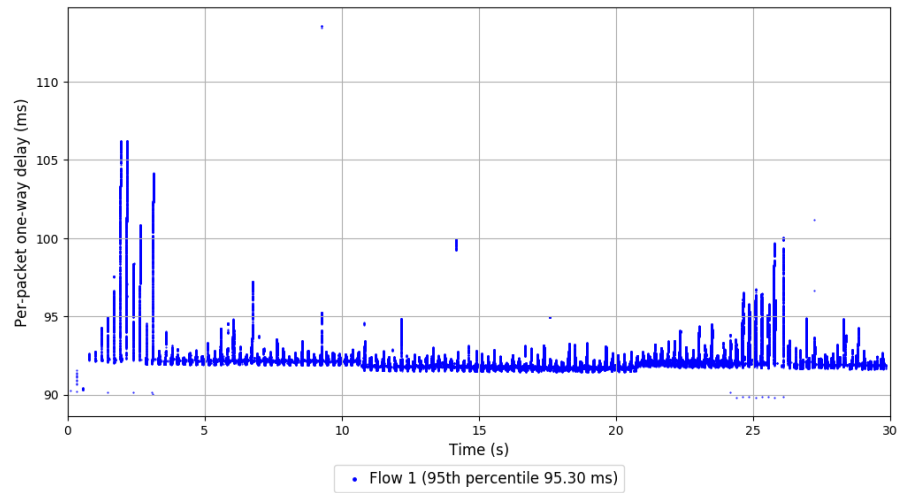
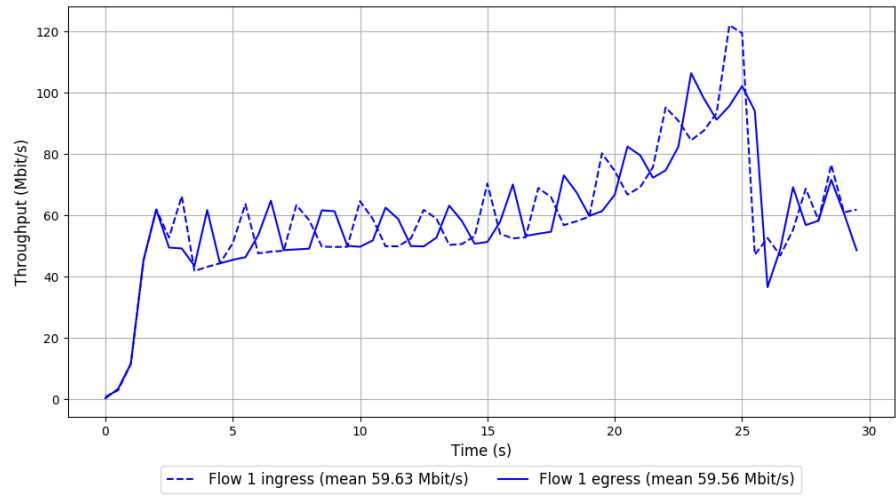
-- Flow 1:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 95.304 ms

Loss rate: 0.86%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 06:34:28

End at: 2018-04-17 06:34:58

# Below is generated by plot.py at 2018-04-17 10:22:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 96.508 ms

Loss rate: 0.71%

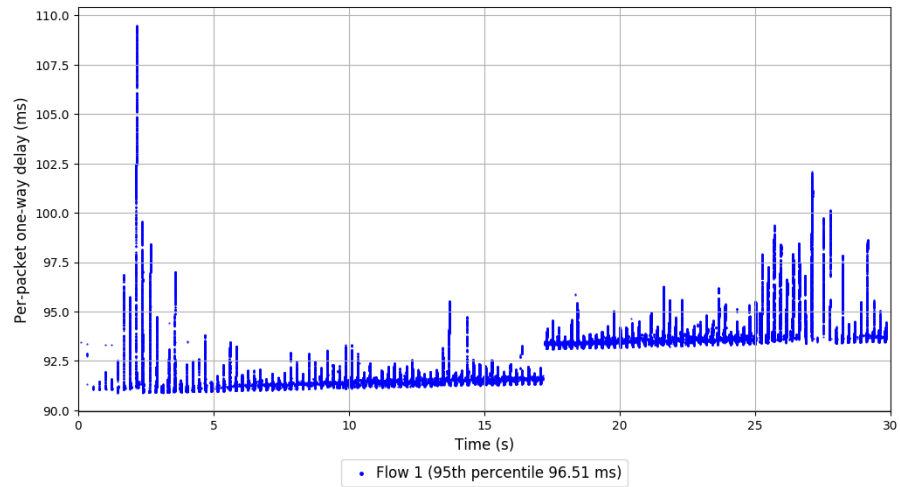
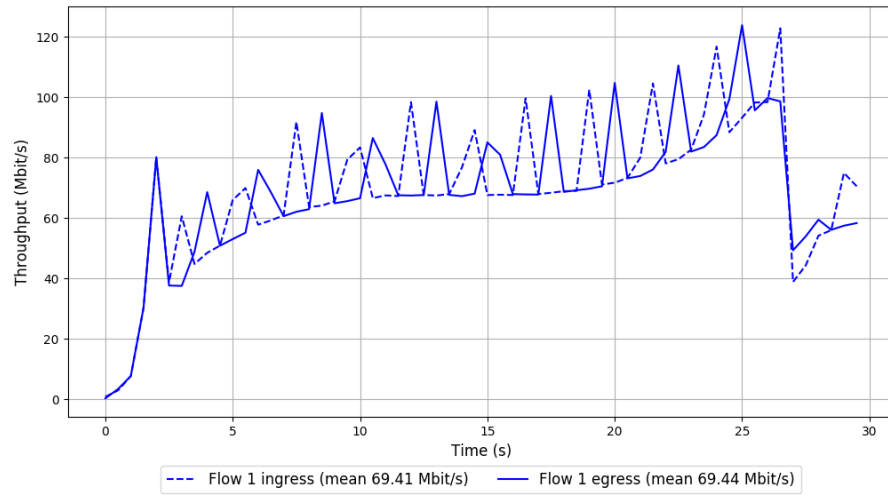
-- Flow 1:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 96.508 ms

Loss rate: 0.71%

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



Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 06:48:16

End at: 2018-04-17 06:48:46

# Below is generated by plot.py at 2018-04-17 10:22:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.64 Mbit/s

95th percentile per-packet one-way delay: 103.748 ms

Loss rate: 0.67%

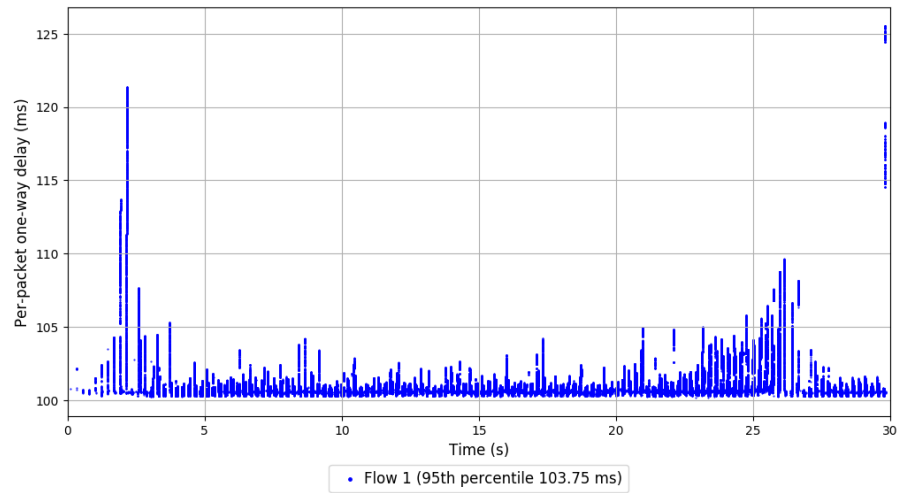
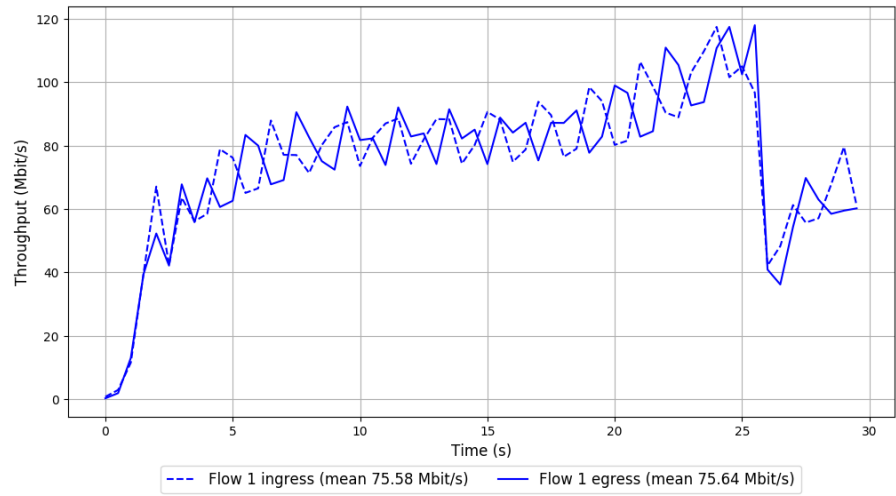
-- Flow 1:

Average throughput: 75.64 Mbit/s

95th percentile per-packet one-way delay: 103.748 ms

Loss rate: 0.67%

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



Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 07:02:11

End at: 2018-04-17 07:02:41

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.64 Mbit/s

95th percentile per-packet one-way delay: 102.501 ms

Loss rate: 0.80%

-- Flow 1:

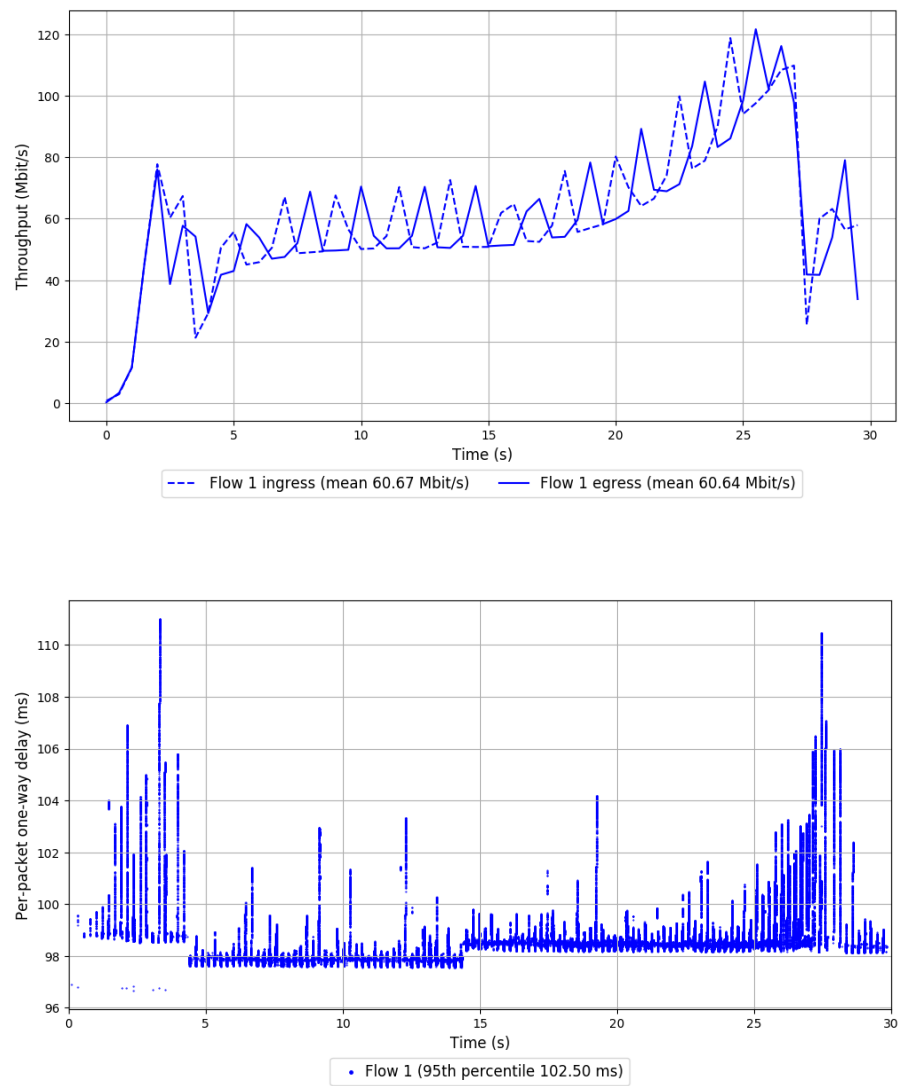
Average throughput: 60.64 Mbit/s

95th percentile per-packet one-way delay: 102.501 ms

Loss rate: 0.80%



Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 07:16:19

End at: 2018-04-17 07:16:49

# Below is generated by plot.py at 2018-04-17 10:23:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.76 Mbit/s

95th percentile per-packet one-way delay: 110.616 ms

Loss rate: 0.57%

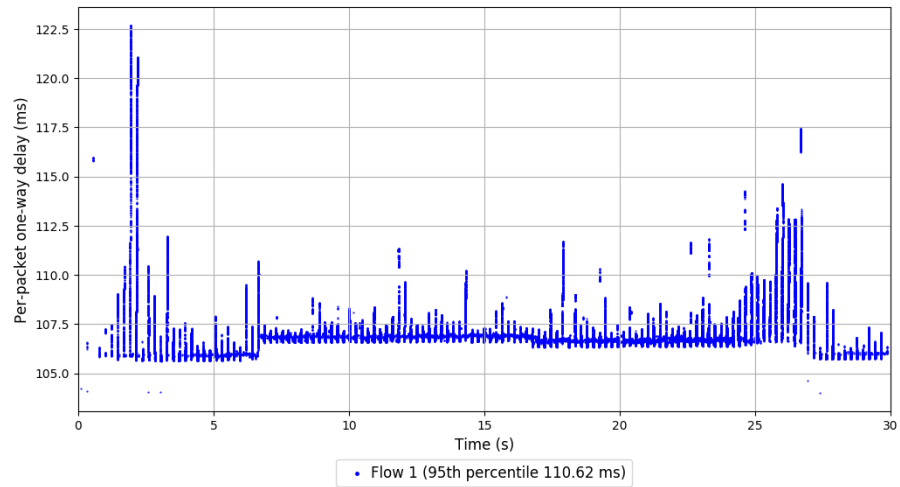
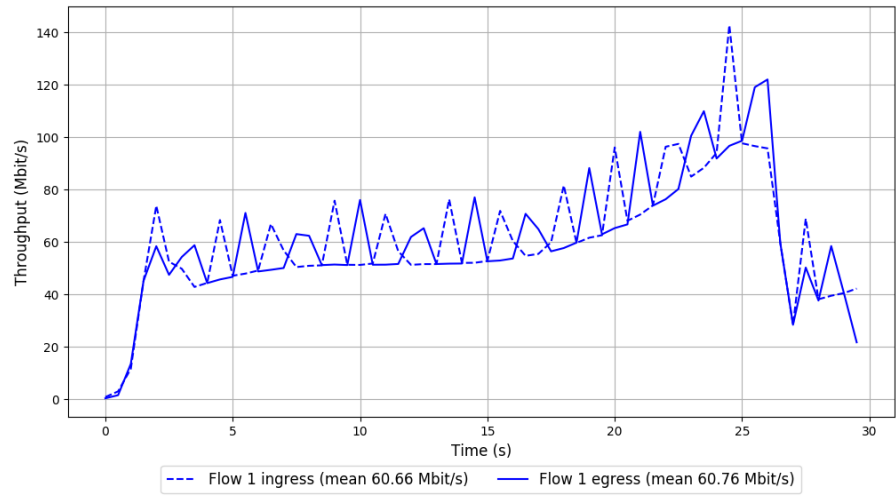
-- Flow 1:

Average throughput: 60.76 Mbit/s

95th percentile per-packet one-way delay: 110.616 ms

Loss rate: 0.57%

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



Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 07:30:37

End at: 2018-04-17 07:31:07

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.19 Mbit/s

95th percentile per-packet one-way delay: 120.111 ms

Loss rate: 1.23%

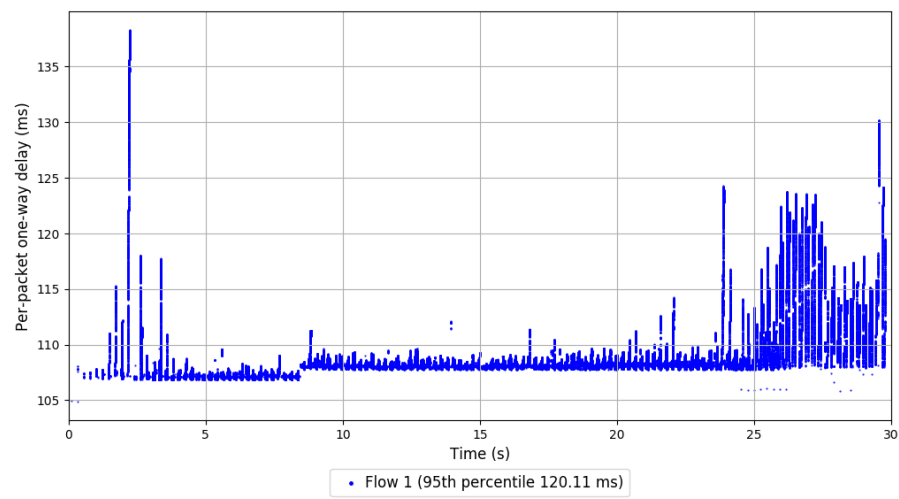
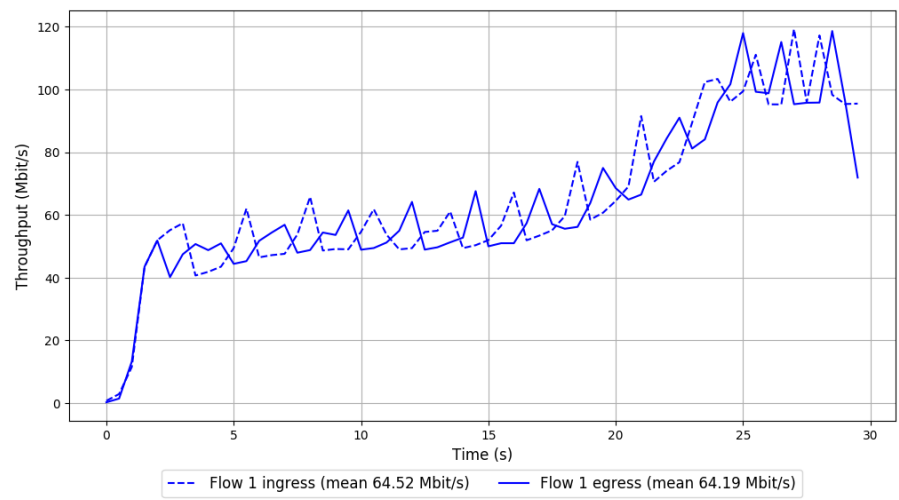
-- Flow 1:

Average throughput: 64.19 Mbit/s

95th percentile per-packet one-way delay: 120.111 ms

Loss rate: 1.23%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 07:44:37

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

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.04 Mbit/s

95th percentile per-packet one-way delay: 120.164 ms

Loss rate: 1.17%

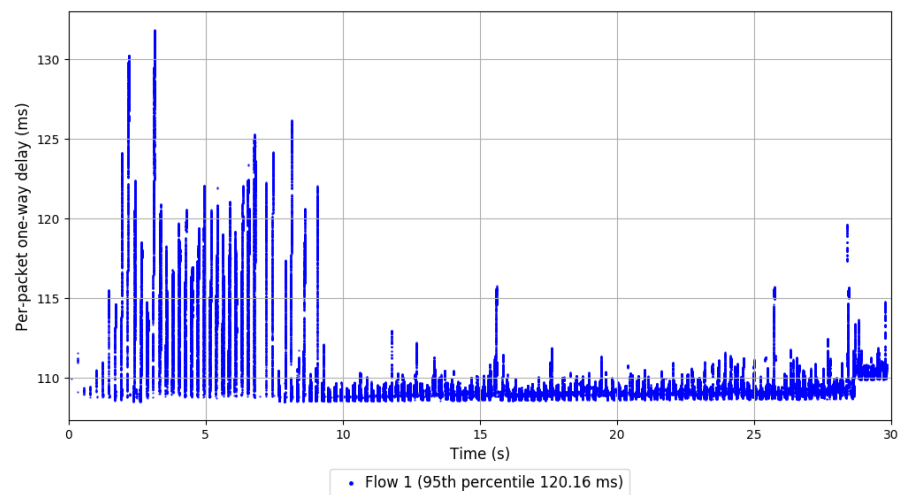
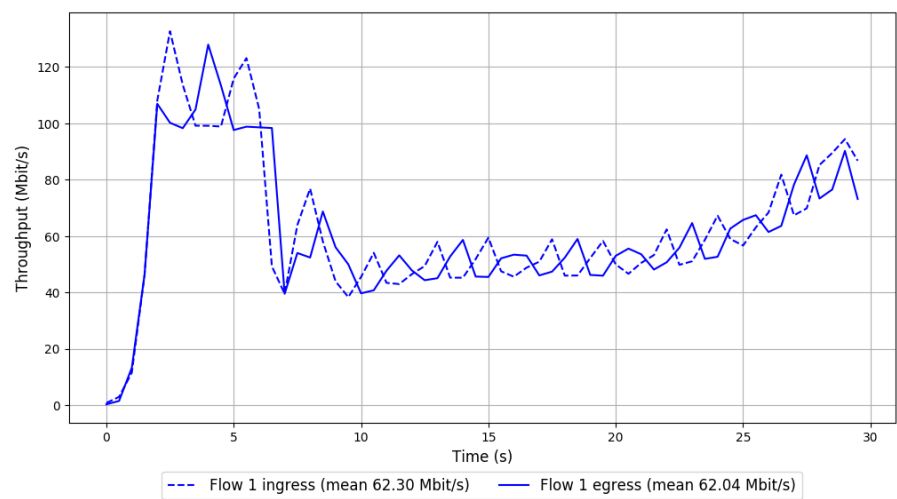
-- Flow 1:

Average throughput: 62.04 Mbit/s

95th percentile per-packet one-way delay: 120.164 ms

Loss rate: 1.17%

Run 10: Report of TCP Cubic — Data Link



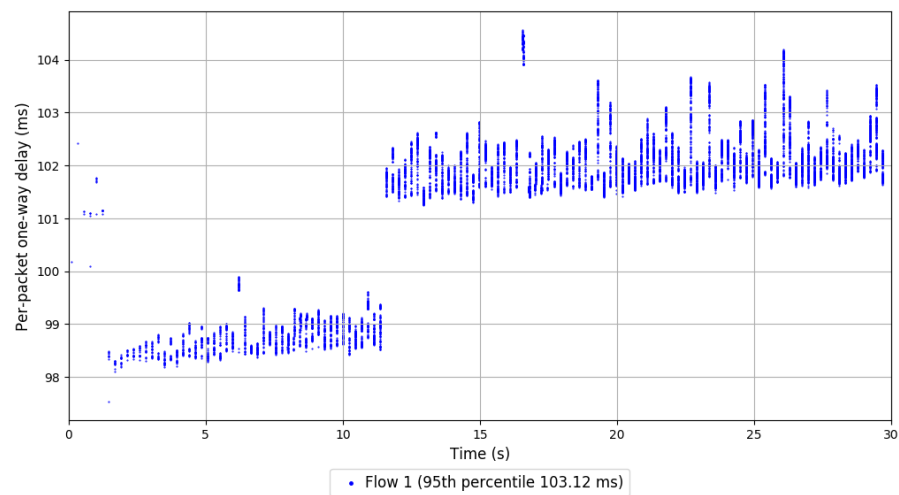
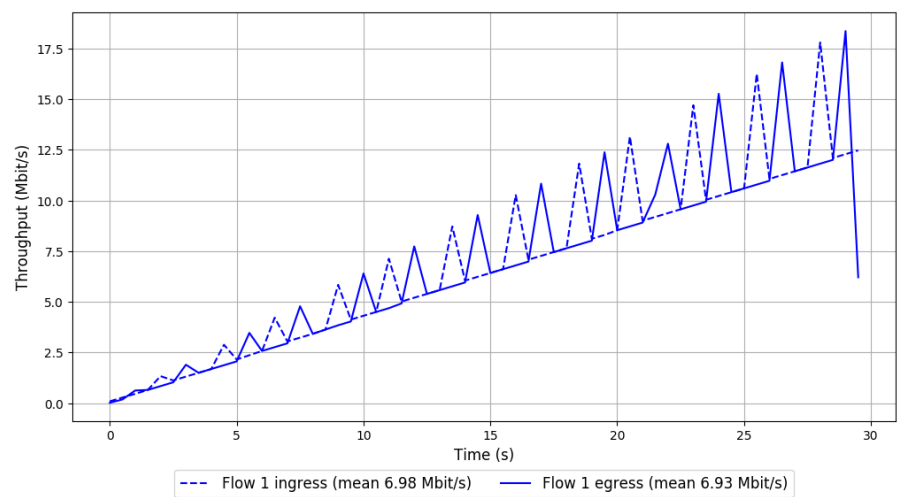
```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 05:39:44
End at: 2018-04-17 05:40:14

# Below is generated by plot.py at 2018-04-17 10:23:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 103.125 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 103.125 ms
Loss rate: 1.50%
```



Run 1: Report of LEDBAT — Data Link

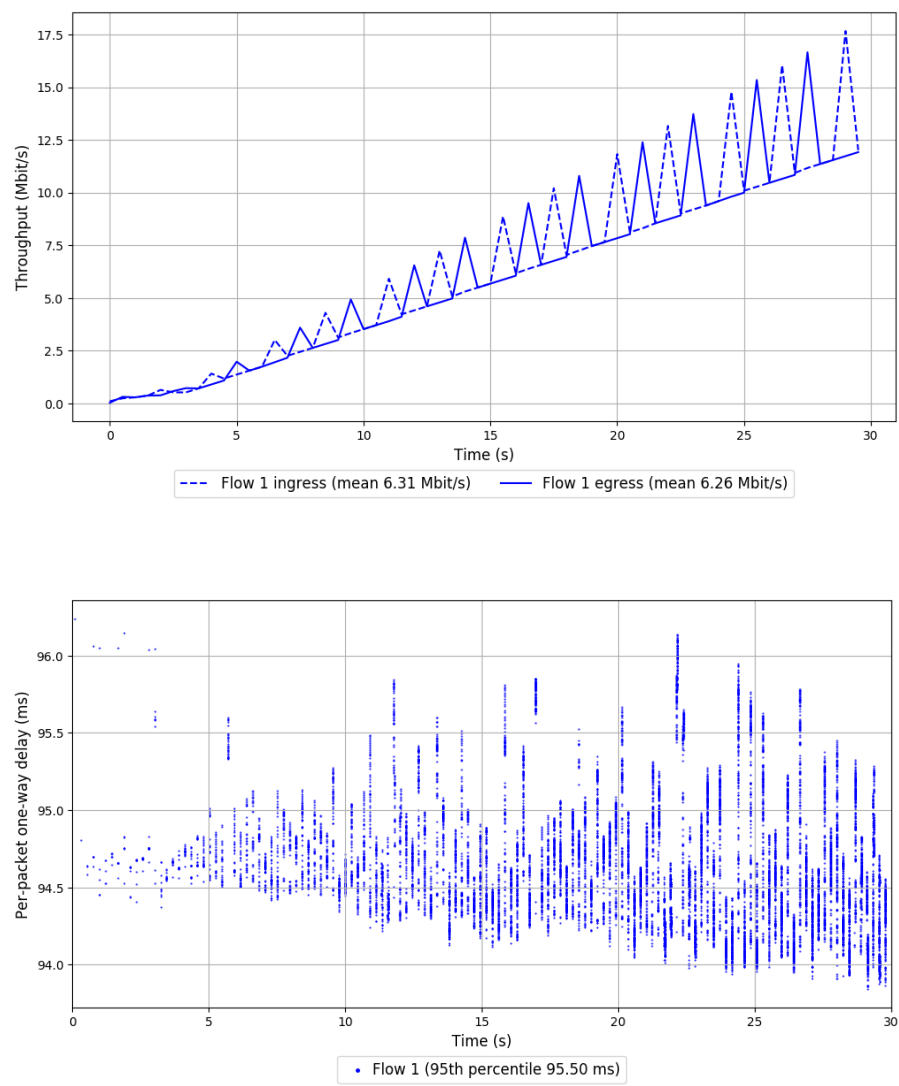


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-17 05:53:29
End at: 2018-04-17 05:53:59

# Below is generated by plot.py at 2018-04-17 10:23:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 95.500 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 95.500 ms
Loss rate: 1.60%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-17 06:07:26

End at: 2018-04-17 06:07:56

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 99.784 ms

Loss rate: 1.55%

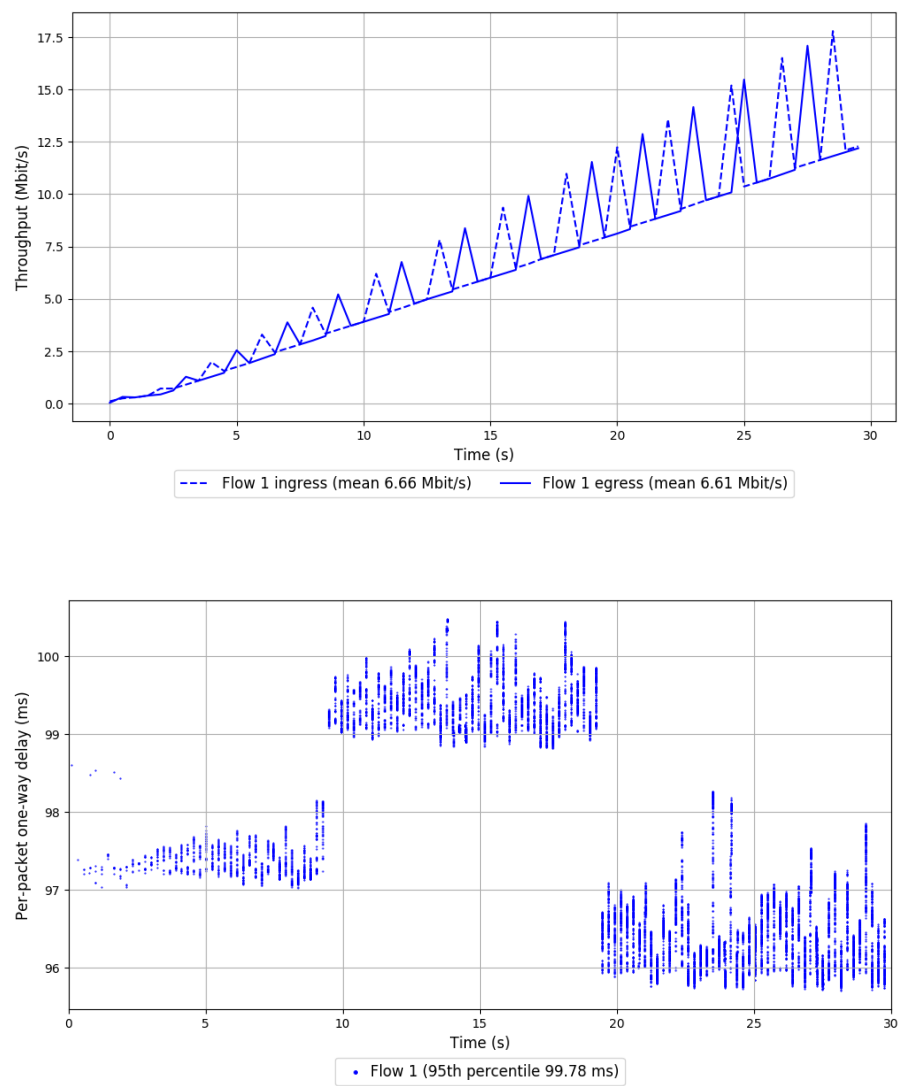
-- Flow 1:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 99.784 ms

Loss rate: 1.55%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-17 06:21:19

End at: 2018-04-17 06:21:49

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 92.444 ms

Loss rate: 1.50%

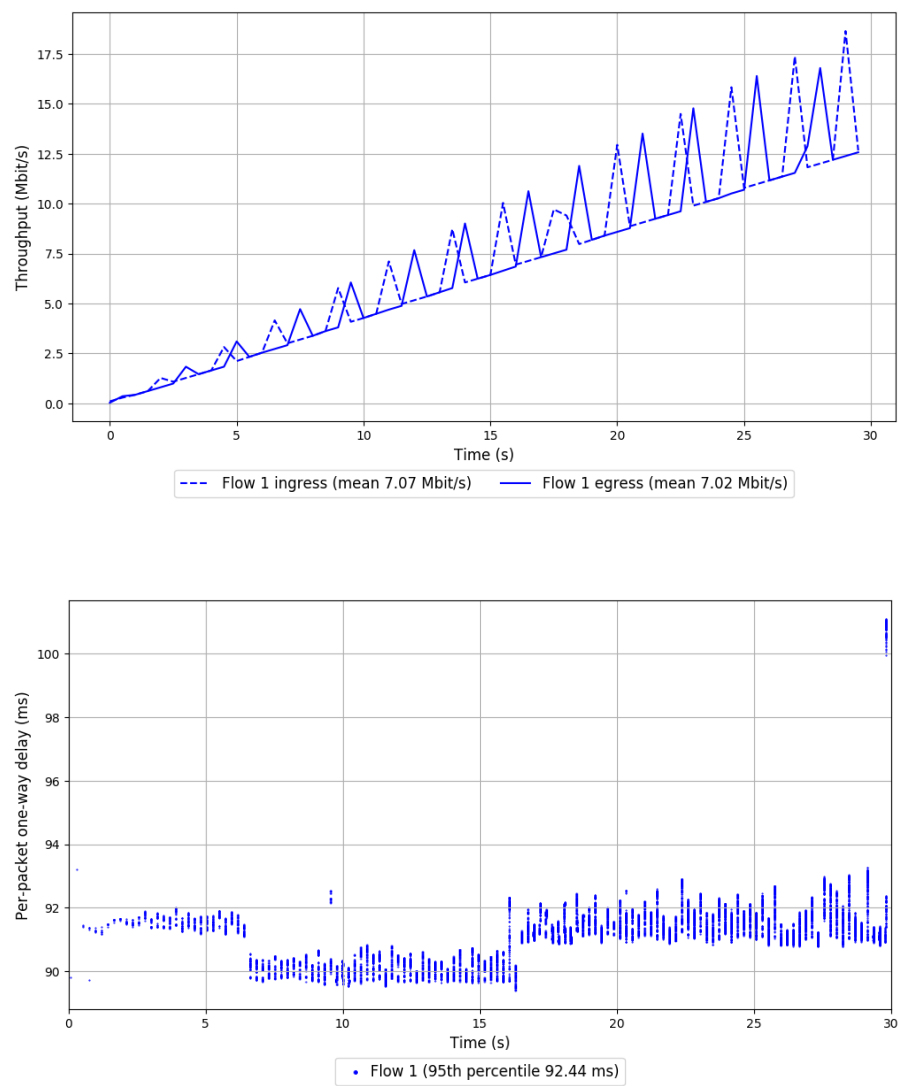
-- Flow 1:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 92.444 ms

Loss rate: 1.50%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-17 06:35:13

End at: 2018-04-17 06:35:43

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 95.485 ms

Loss rate: 1.55%

-- Flow 1:

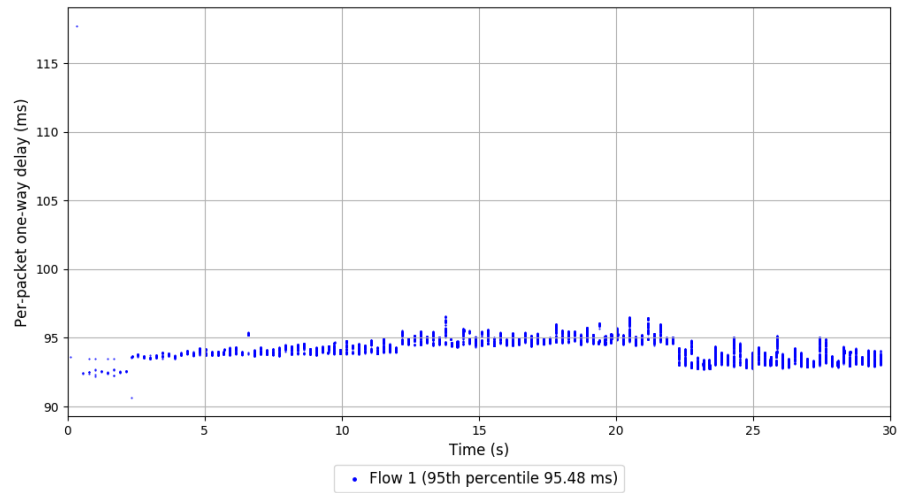
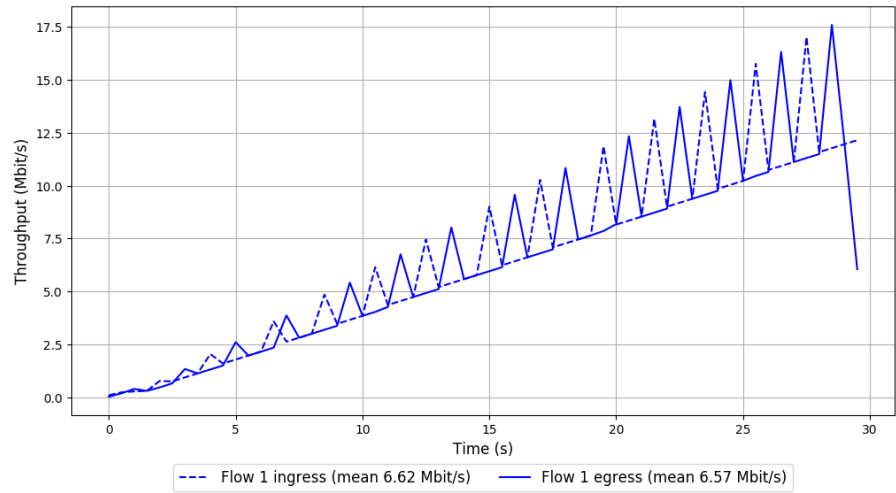
Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 95.485 ms

Loss rate: 1.55%



## Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-17 06:49:01

End at: 2018-04-17 06:49:31

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 102.178 ms

Loss rate: 1.52%

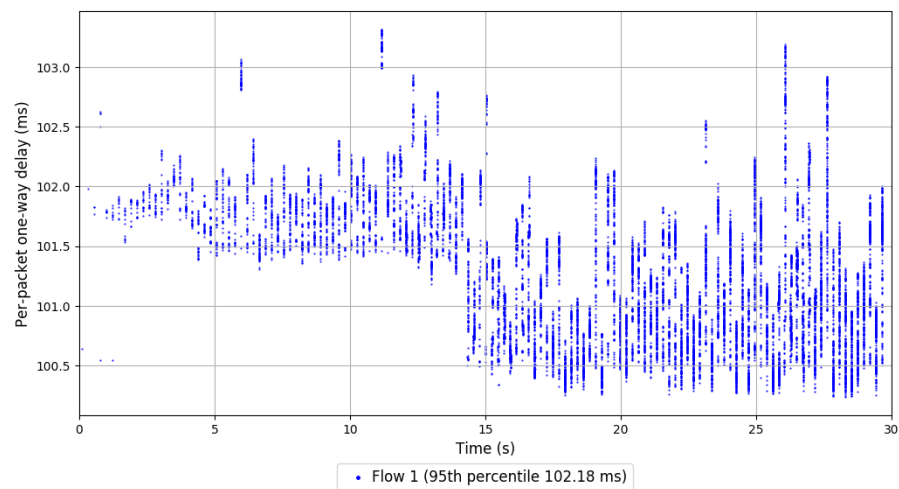
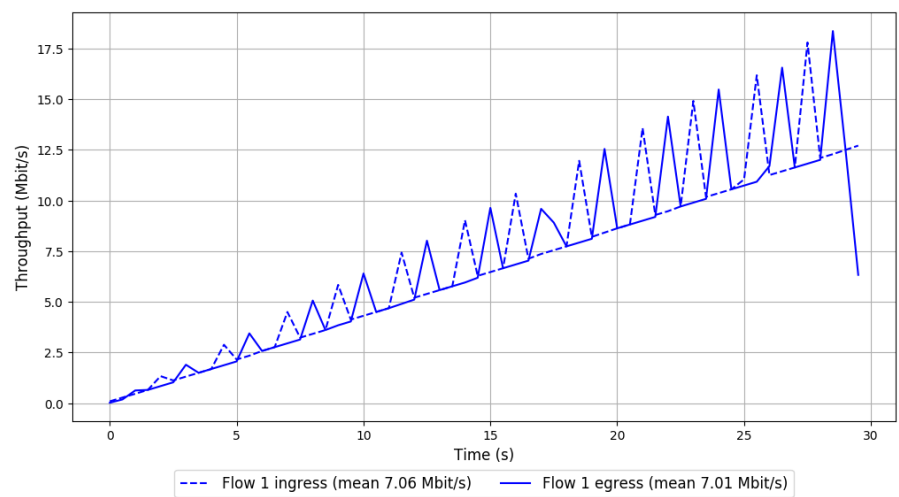
-- Flow 1:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 102.178 ms

Loss rate: 1.52%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-17 07:02:56

End at: 2018-04-17 07:03:26

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 98.571 ms

Loss rate: 1.73%

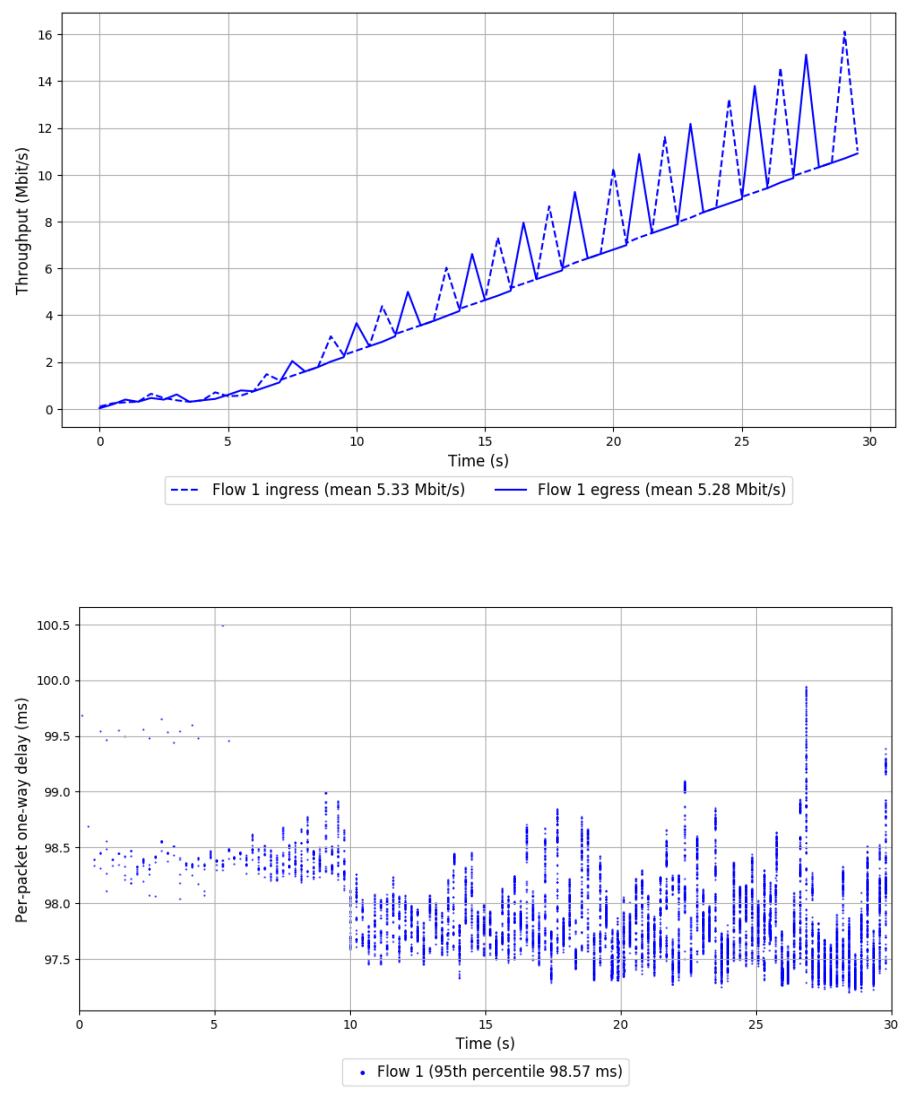
-- Flow 1:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 98.571 ms

Loss rate: 1.73%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

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

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

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.05 Mbit/s

95th percentile per-packet one-way delay: 108.549 ms

Loss rate: 1.96%

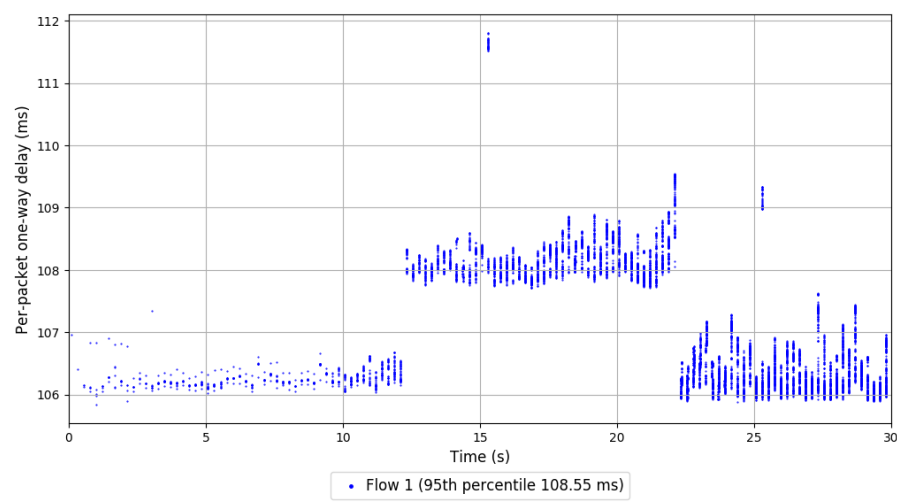
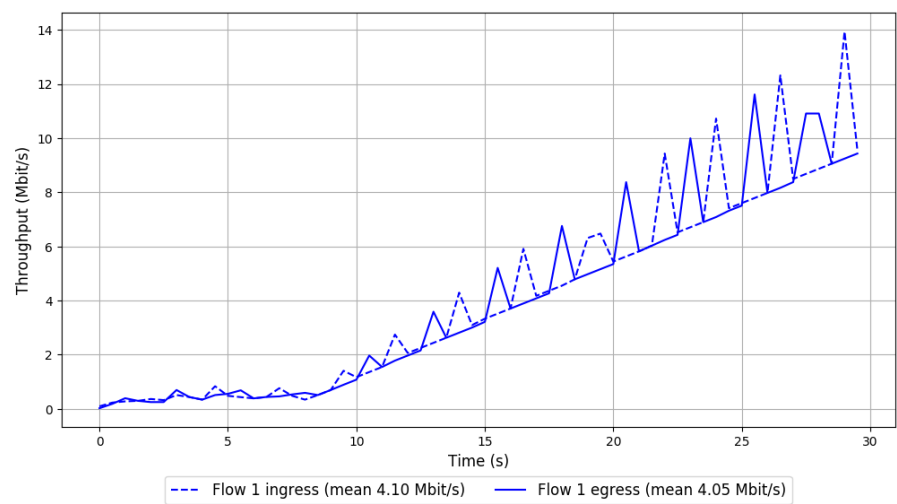
-- Flow 1:

Average throughput: 4.05 Mbit/s

95th percentile per-packet one-way delay: 108.549 ms

Loss rate: 1.96%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-17 07:31:22

End at: 2018-04-17 07:31:52

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.27 Mbit/s

95th percentile per-packet one-way delay: 109.072 ms

Loss rate: 1.60%

-- Flow 1:

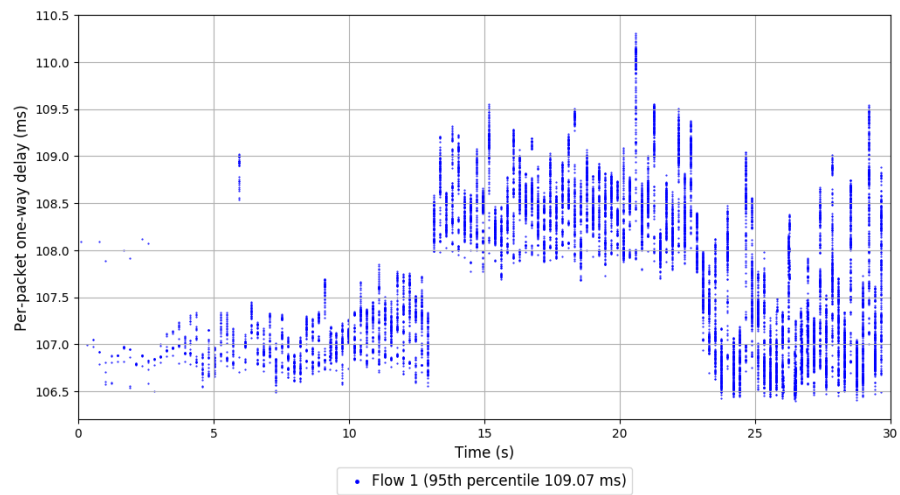
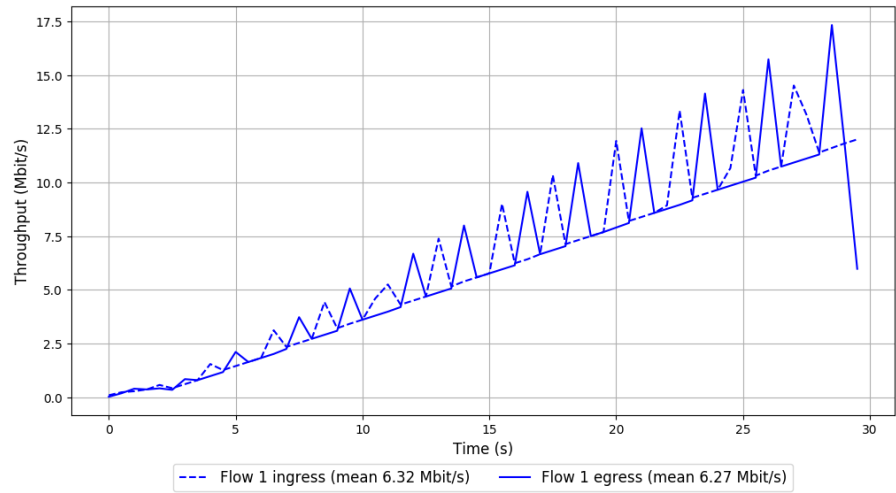
Average throughput: 6.27 Mbit/s

95th percentile per-packet one-way delay: 109.072 ms

Loss rate: 1.60%



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



Run 10: Statistics of LEDBAT

Start at: 2018-04-17 07:45:22

End at: 2018-04-17 07:45:52

# Below is generated by plot.py at 2018-04-17 10:23:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 111.993 ms

Loss rate: 1.64%

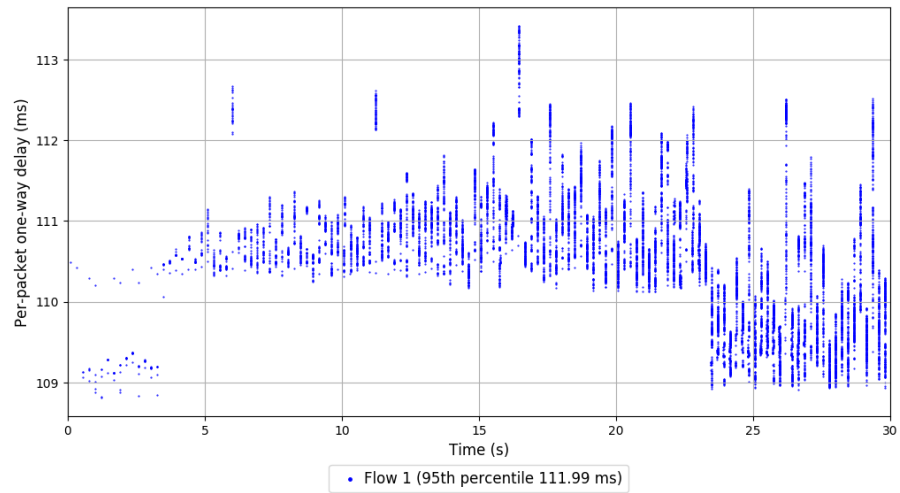
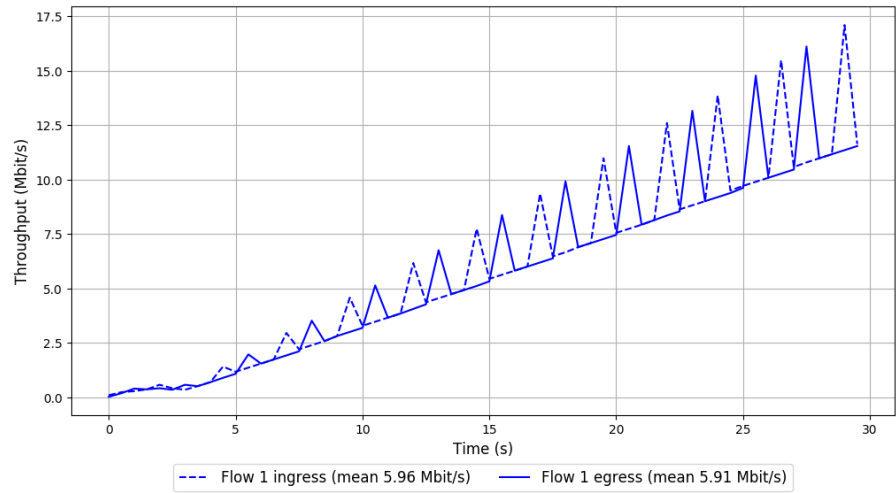
-- Flow 1:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 111.993 ms

Loss rate: 1.64%

## Run 10: Report of LEDBAT — Data Link

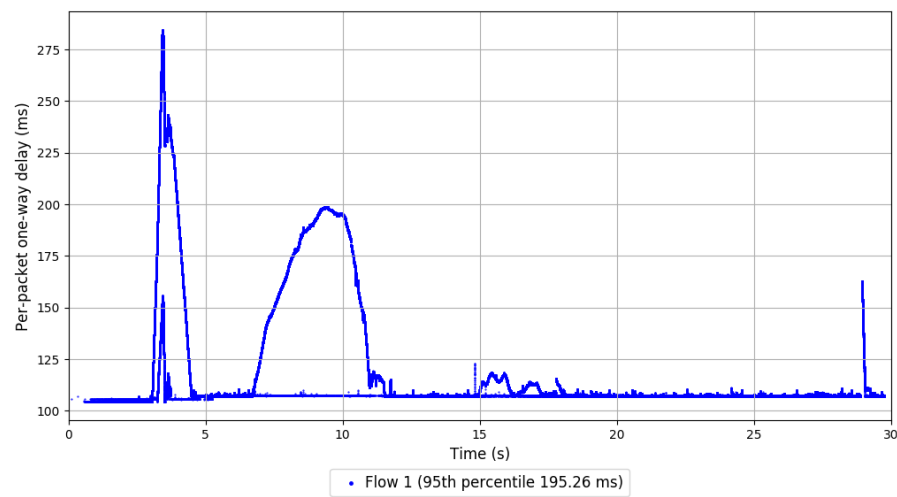
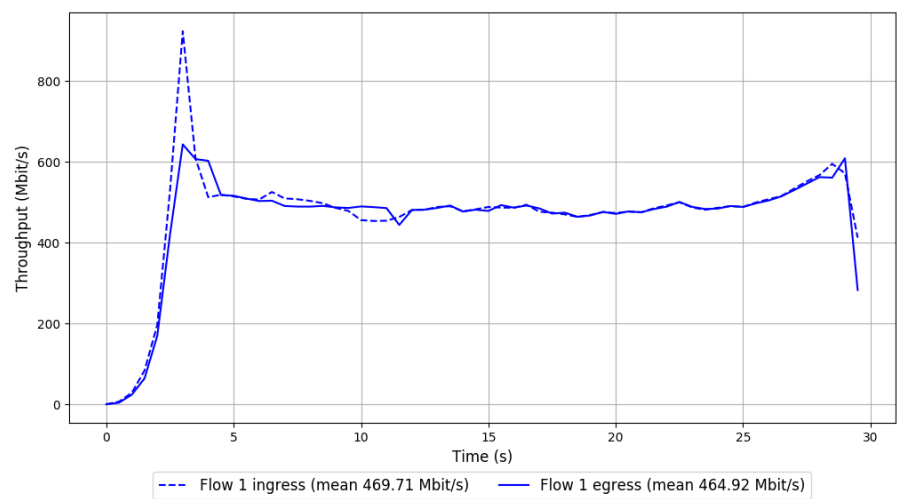


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 05:33:32
End at: 2018-04-17 05:34:02

# Below is generated by plot.py at 2018-04-17 10:31:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 464.92 Mbit/s
95th percentile per-packet one-way delay: 195.263 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 464.92 Mbit/s
95th percentile per-packet one-way delay: 195.263 ms
Loss rate: 1.77%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 05:47:14

End at: 2018-04-17 05:47:45

# Below is generated by plot.py at 2018-04-17 10:31:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 524.65 Mbit/s

95th percentile per-packet one-way delay: 204.803 ms

Loss rate: 1.69%

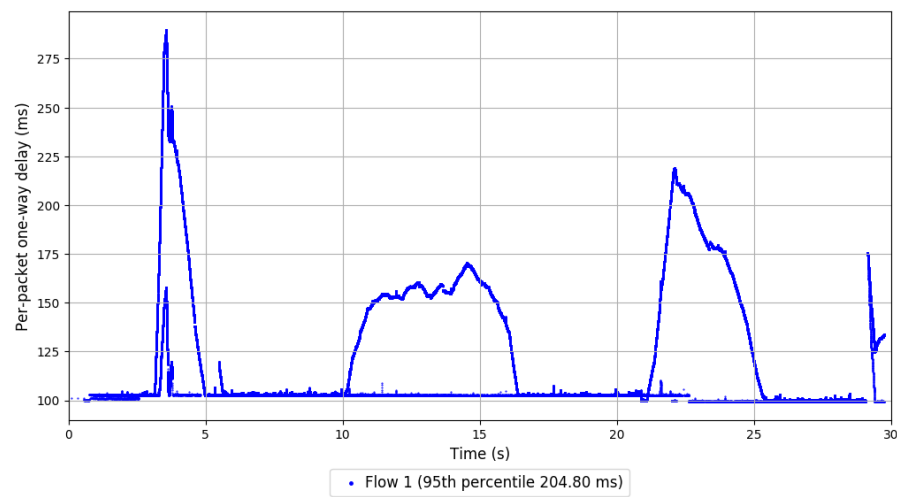
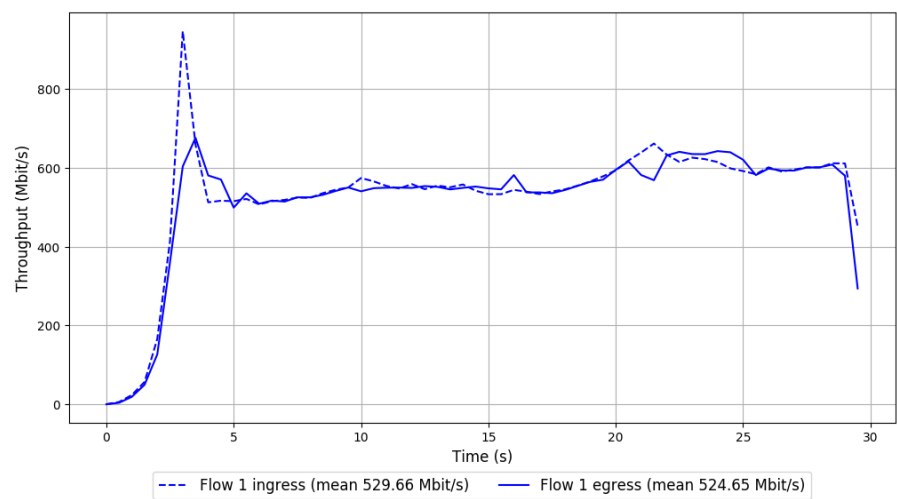
-- Flow 1:

Average throughput: 524.65 Mbit/s

95th percentile per-packet one-way delay: 204.803 ms

Loss rate: 1.69%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 06:01:11

End at: 2018-04-17 06:01:42

# Below is generated by plot.py at 2018-04-17 10:32:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 518.40 Mbit/s

95th percentile per-packet one-way delay: 190.499 ms

Loss rate: 2.16%

-- Flow 1:

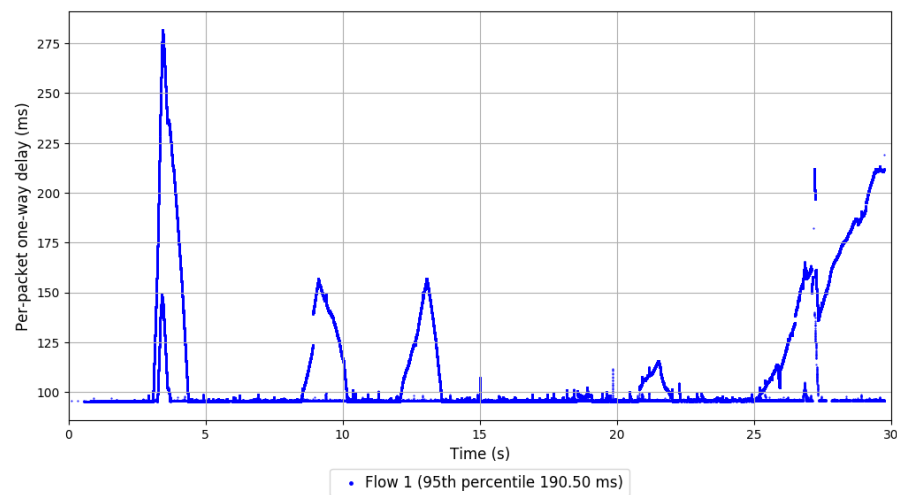
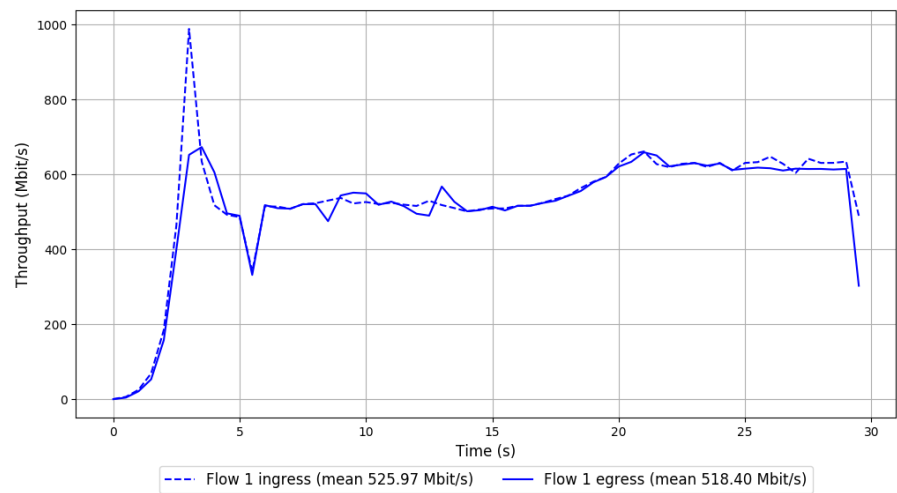
Average throughput: 518.40 Mbit/s

95th percentile per-packet one-way delay: 190.499 ms

Loss rate: 2.16%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 06:15:03

End at: 2018-04-17 06:15:33

# Below is generated by plot.py at 2018-04-17 10:32:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 512.07 Mbit/s

95th percentile per-packet one-way delay: 169.371 ms

Loss rate: 1.77%

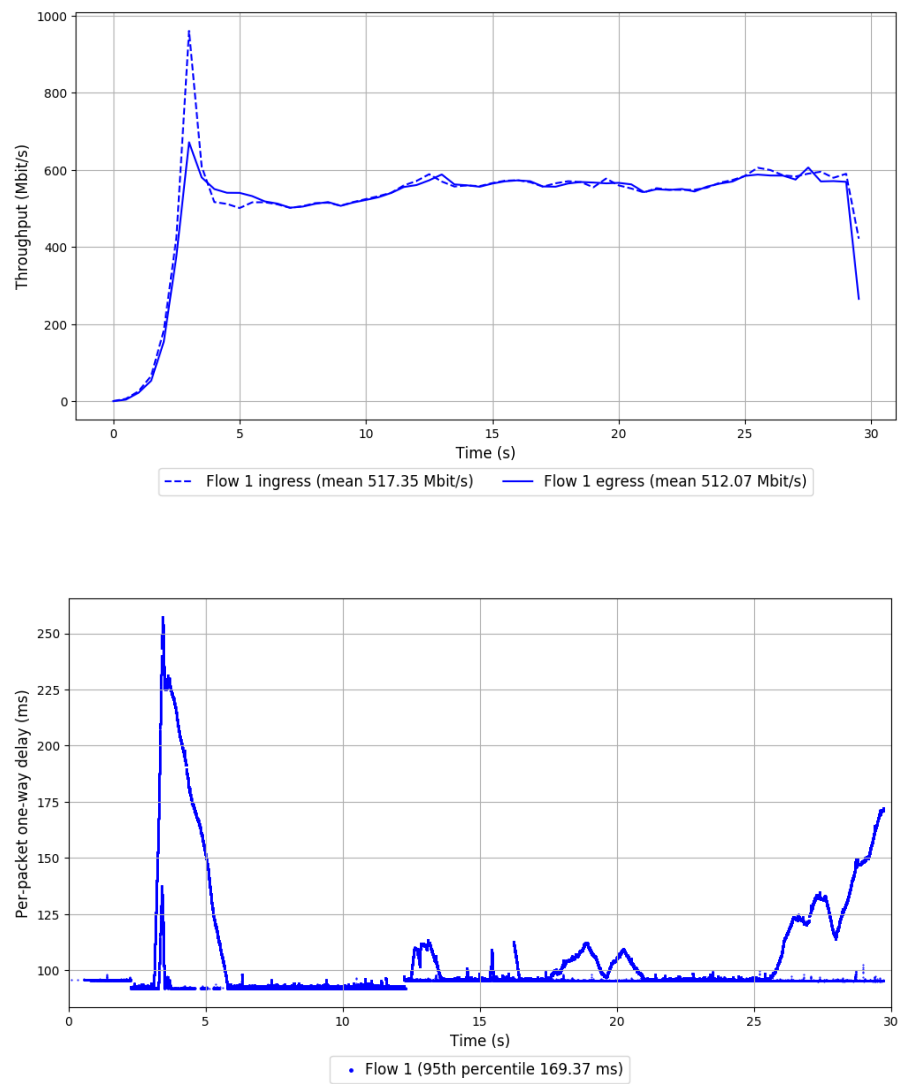
-- Flow 1:

Average throughput: 512.07 Mbit/s

95th percentile per-packet one-way delay: 169.371 ms

Loss rate: 1.77%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 06:28:56

End at: 2018-04-17 06:29:26

# Below is generated by plot.py at 2018-04-17 10:32:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 517.28 Mbit/s

95th percentile per-packet one-way delay: 102.389 ms

Loss rate: 1.43%

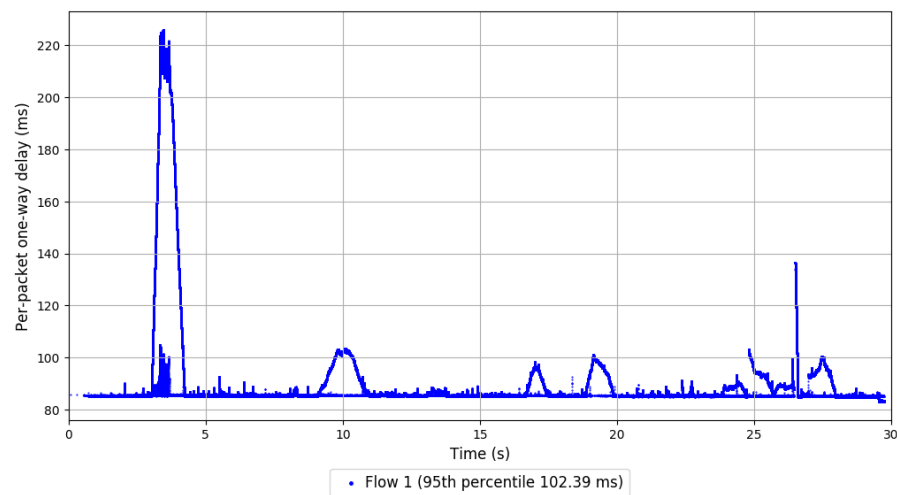
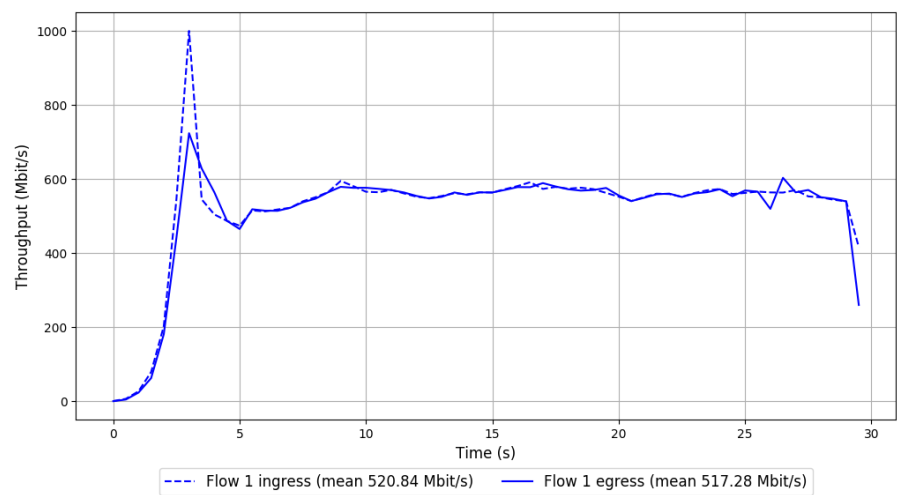
-- Flow 1:

Average throughput: 517.28 Mbit/s

95th percentile per-packet one-way delay: 102.389 ms

Loss rate: 1.43%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 06:42:44

End at: 2018-04-17 06:43:14

# Below is generated by plot.py at 2018-04-17 10:32:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 529.05 Mbit/s

95th percentile per-packet one-way delay: 208.116 ms

Loss rate: 2.01%

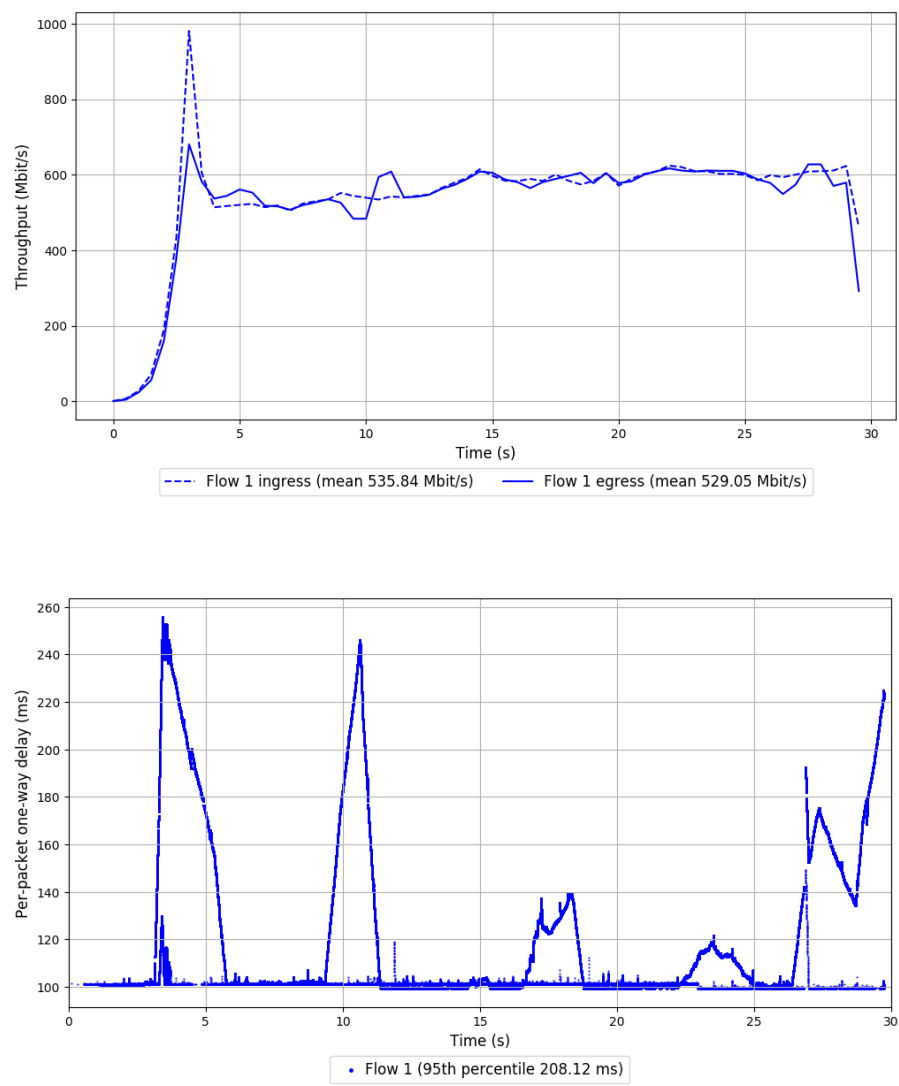
-- Flow 1:

Average throughput: 529.05 Mbit/s

95th percentile per-packet one-way delay: 208.116 ms

Loss rate: 2.01%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 06:56:39

End at: 2018-04-17 06:57:09

# Below is generated by plot.py at 2018-04-17 10:32:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 520.76 Mbit/s

95th percentile per-packet one-way delay: 136.704 ms

Loss rate: 1.45%

-- Flow 1:

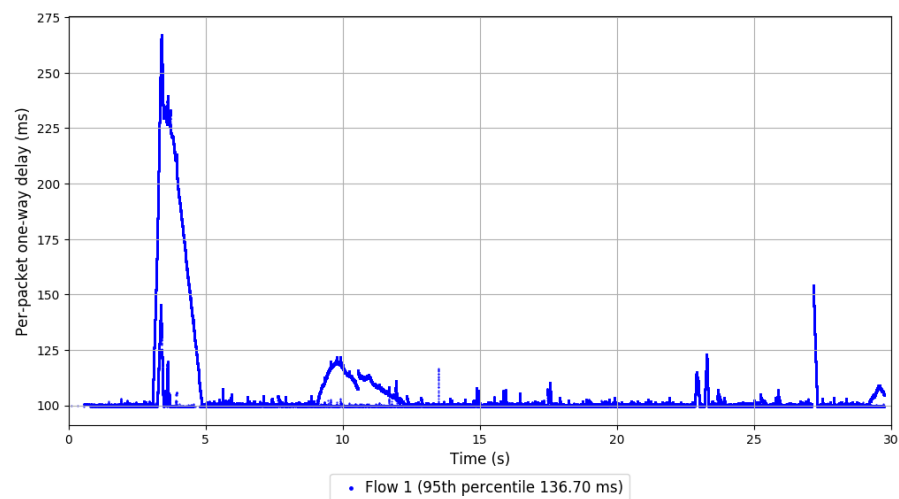
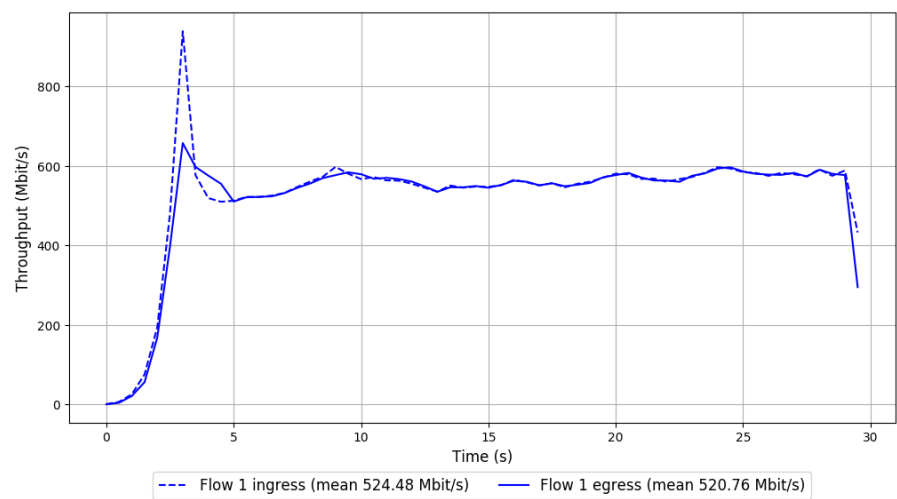
Average throughput: 520.76 Mbit/s

95th percentile per-packet one-way delay: 136.704 ms

Loss rate: 1.45%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 07:10:49

End at: 2018-04-17 07:11:19

# Below is generated by plot.py at 2018-04-17 10:32:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 493.13 Mbit/s

95th percentile per-packet one-way delay: 246.587 ms

Loss rate: 2.25%

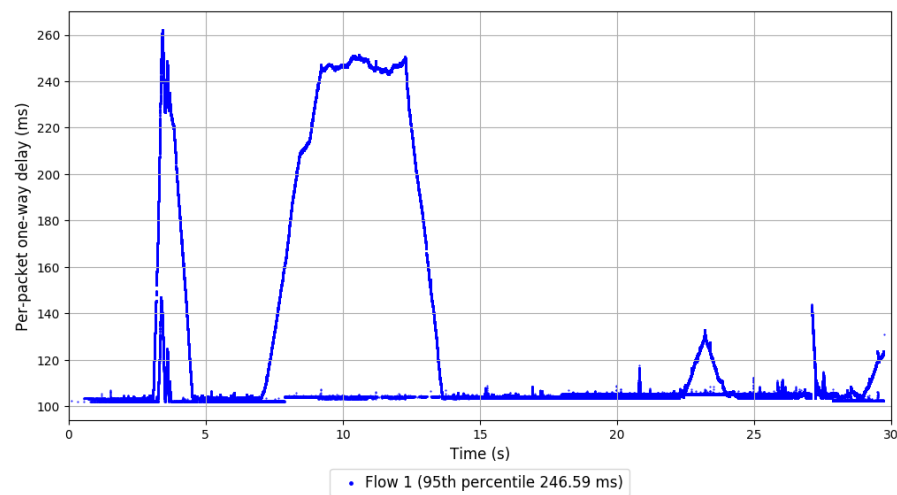
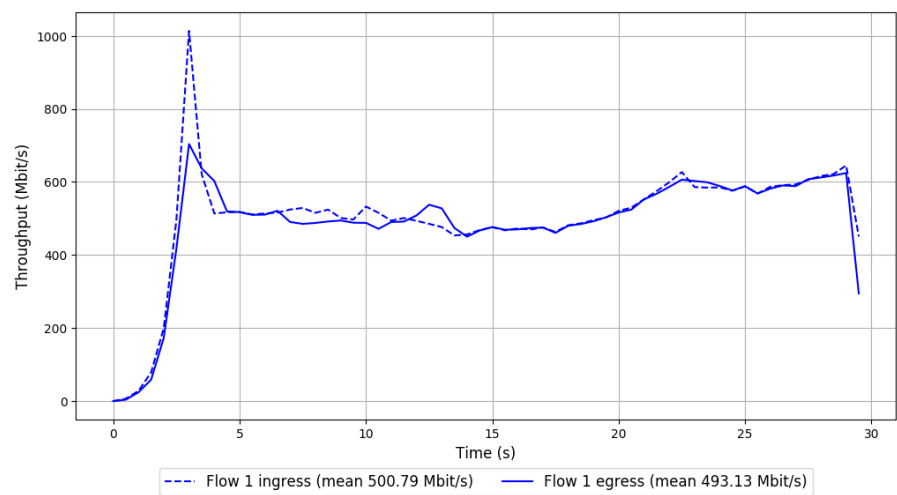
-- Flow 1:

Average throughput: 493.13 Mbit/s

95th percentile per-packet one-way delay: 246.587 ms

Loss rate: 2.25%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 07:24:55

End at: 2018-04-17 07:25:25

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 447.59 Mbit/s

95th percentile per-packet one-way delay: 317.873 ms

Loss rate: 6.15%

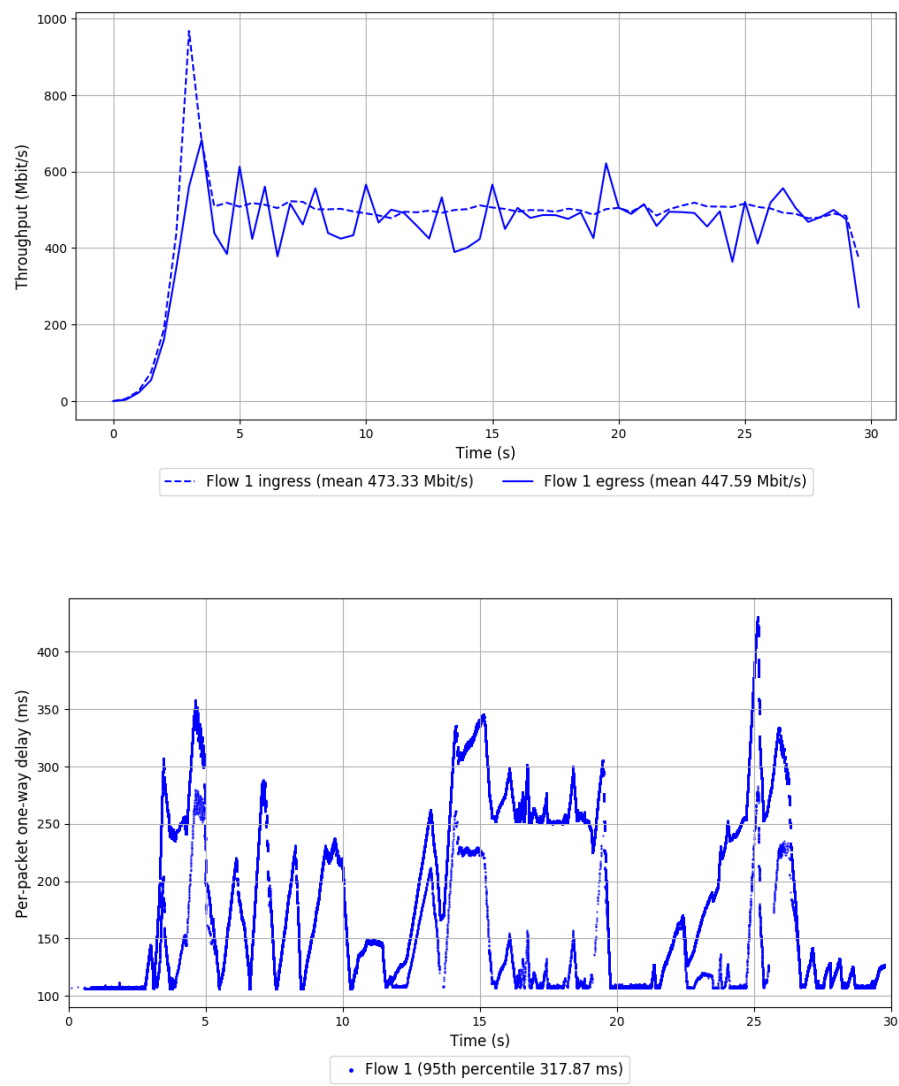
-- Flow 1:

Average throughput: 447.59 Mbit/s

95th percentile per-packet one-way delay: 317.873 ms

Loss rate: 6.15%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 07:39:06

End at: 2018-04-17 07:39:36

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 367.41 Mbit/s

95th percentile per-packet one-way delay: 147.574 ms

Loss rate: 1.80%

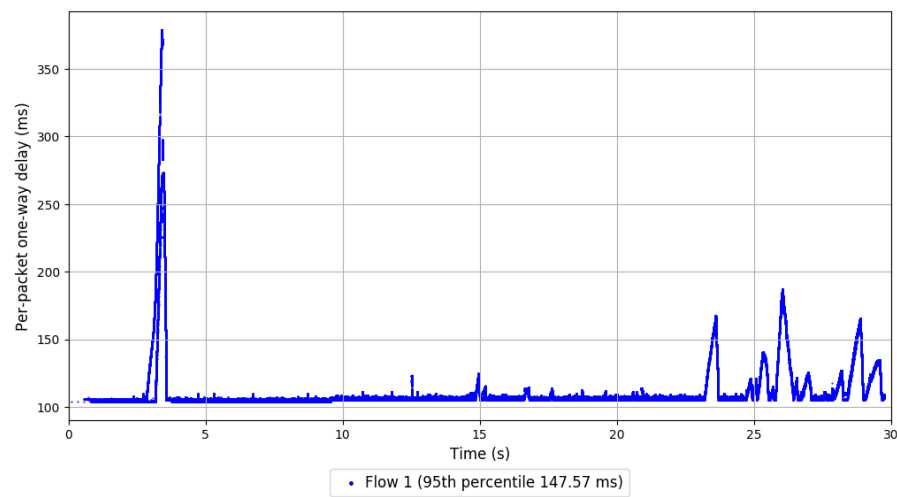
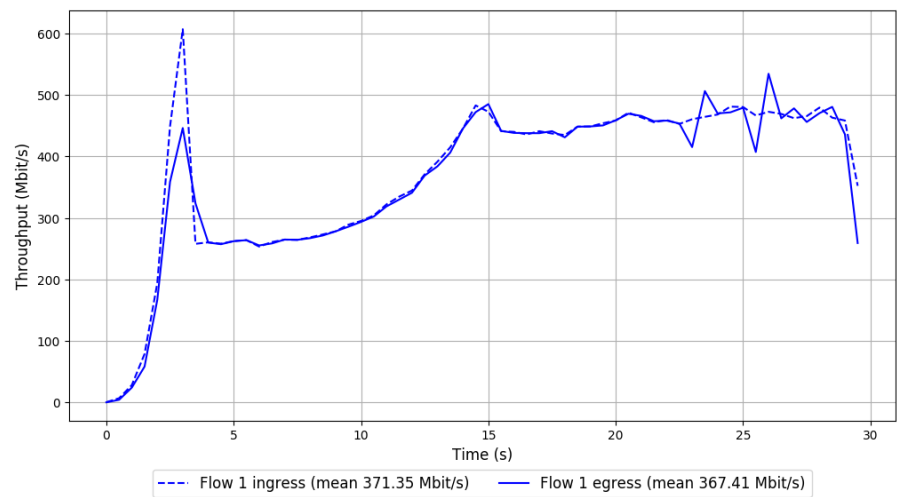
-- Flow 1:

Average throughput: 367.41 Mbit/s

95th percentile per-packet one-way delay: 147.574 ms

Loss rate: 1.80%

Run 10: Report of PCC-Allegro — Data Link



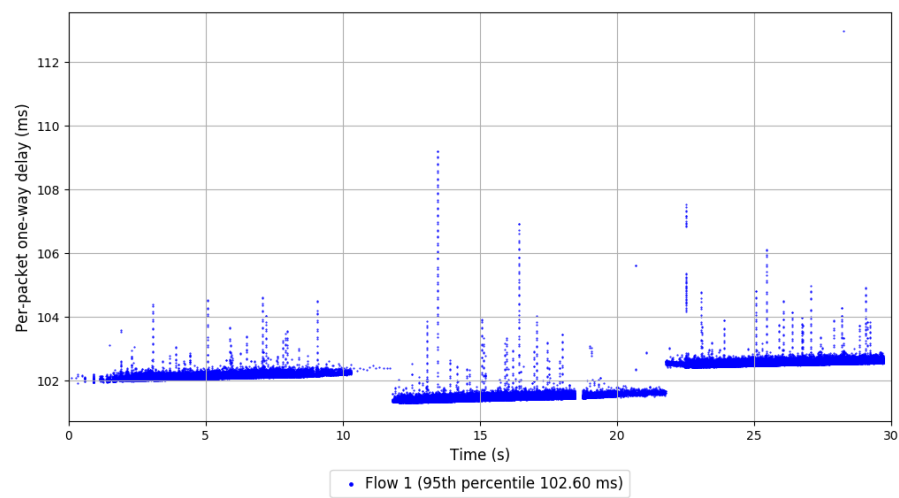
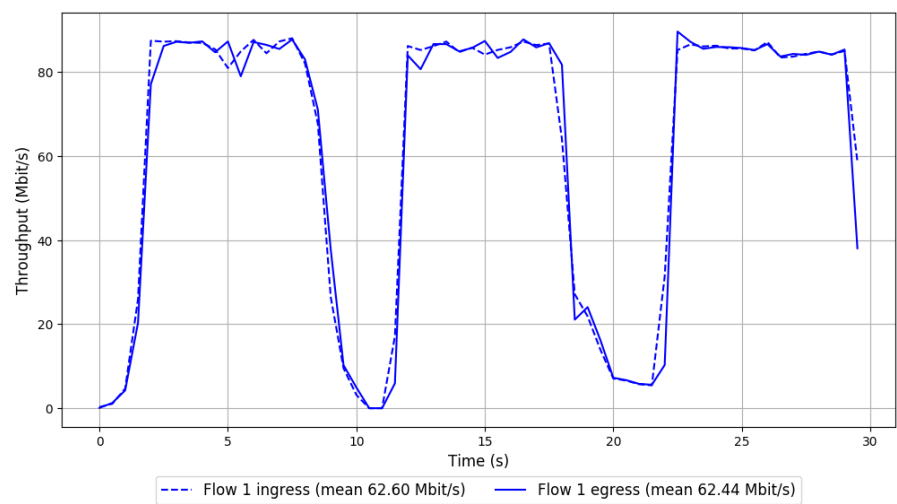
```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 05:40:25
End at: 2018-04-17 05:40:55

# Below is generated by plot.py at 2018-04-17 10:39:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 102.603 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 102.603 ms
Loss rate: 1.01%
```



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 05:54:10

End at: 2018-04-17 05:54:40

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.05 Mbit/s

95th percentile per-packet one-way delay: 96.373 ms

Loss rate: 0.99%

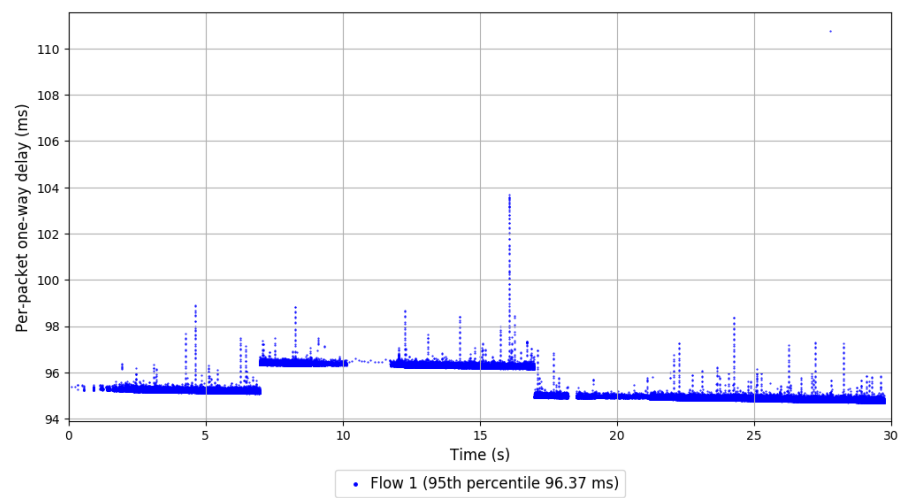
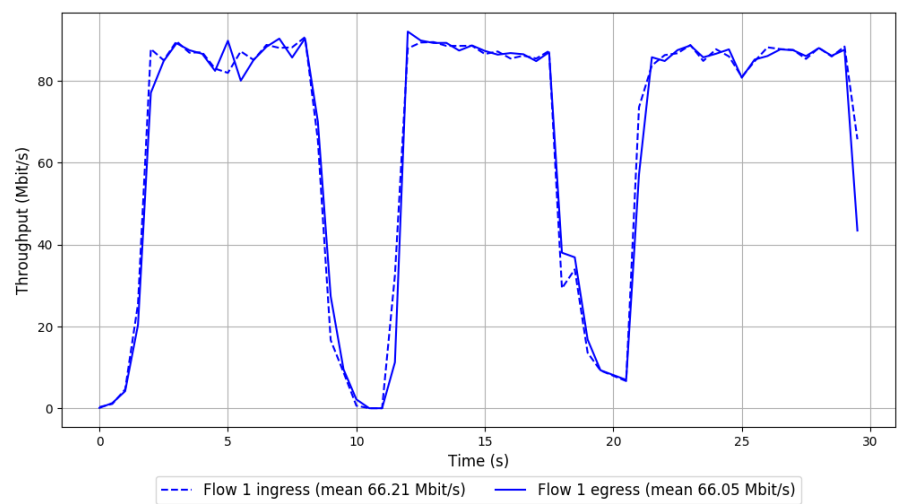
-- Flow 1:

Average throughput: 66.05 Mbit/s

95th percentile per-packet one-way delay: 96.373 ms

Loss rate: 0.99%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 06:08:07

End at: 2018-04-17 06:08:38

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 97.594 ms

Loss rate: 1.00%

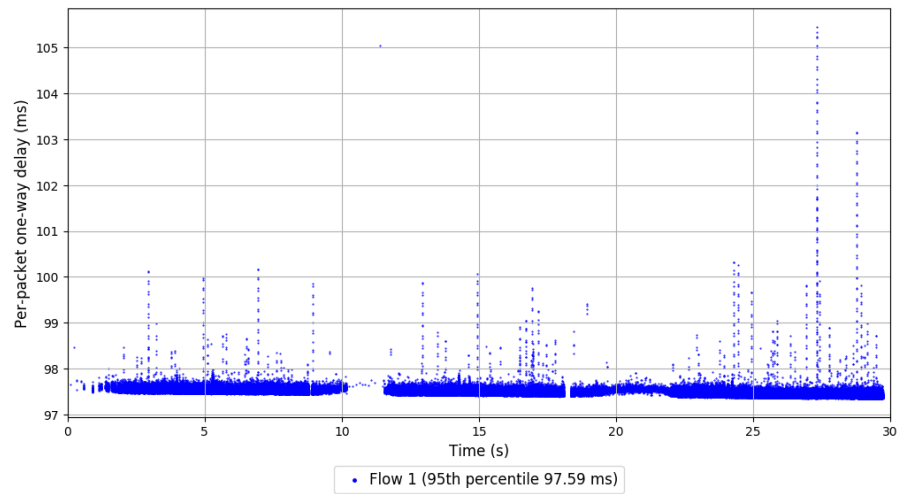
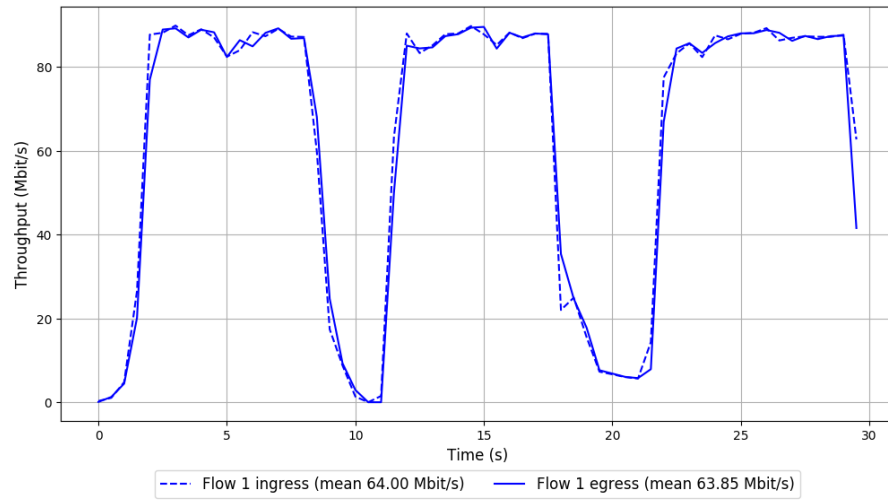
-- Flow 1:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 97.594 ms

Loss rate: 1.00%

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



Run 4: Statistics of QUIC Cubic

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

End at: 2018-04-17 06:22:31

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 89.238 ms

Loss rate: 1.02%

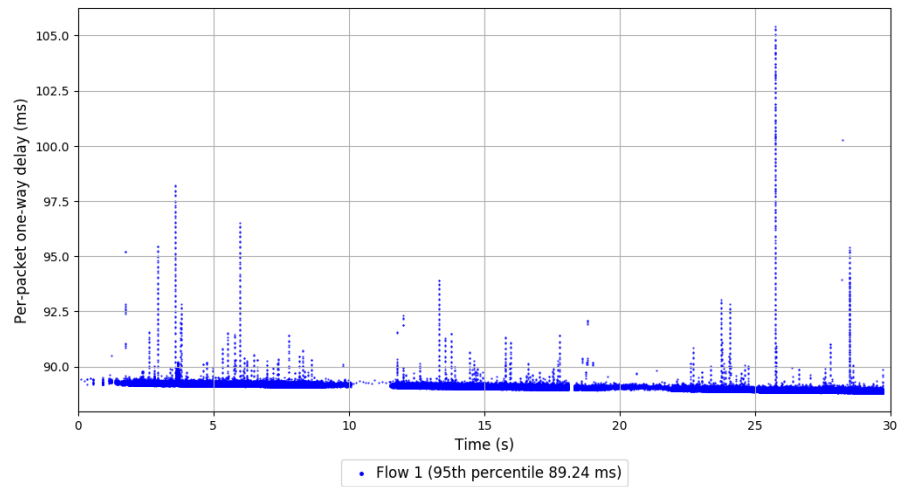
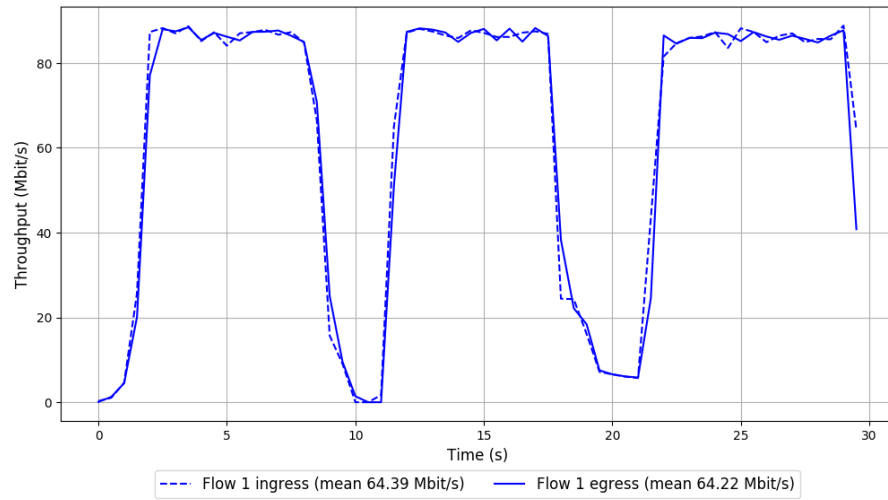
-- Flow 1:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 89.238 ms

Loss rate: 1.02%

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



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 06:35:55

End at: 2018-04-17 06:36:25

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.26 Mbit/s

95th percentile per-packet one-way delay: 94.906 ms

Loss rate: 1.04%

-- Flow 1:

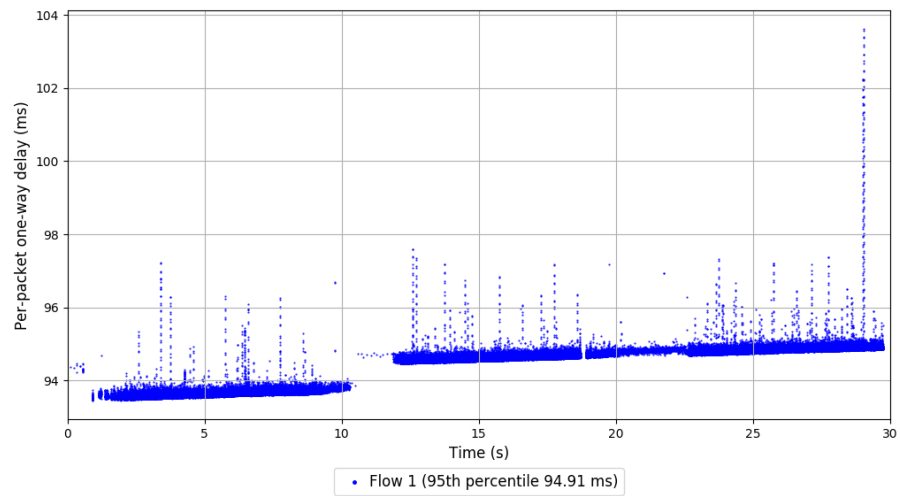
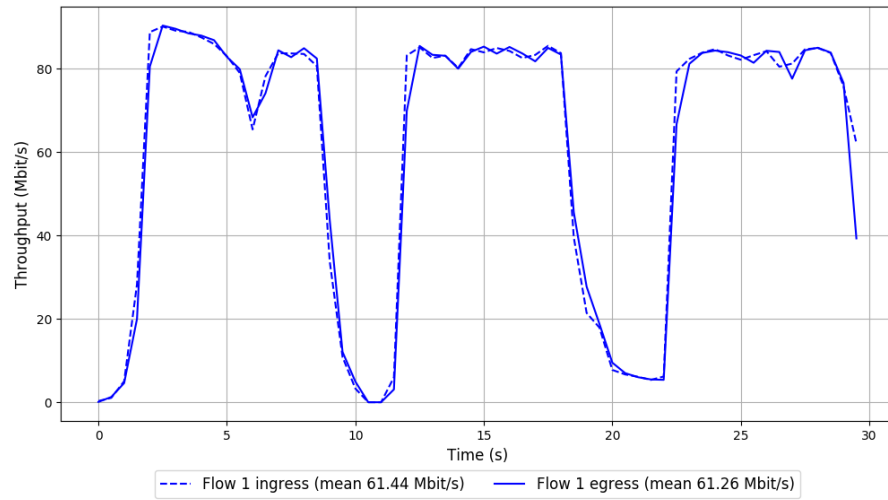
Average throughput: 61.26 Mbit/s

95th percentile per-packet one-way delay: 94.906 ms

Loss rate: 1.04%



### Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 06:49:43

End at: 2018-04-17 06:50:13

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.91 Mbit/s

95th percentile per-packet one-way delay: 101.217 ms

Loss rate: 1.01%

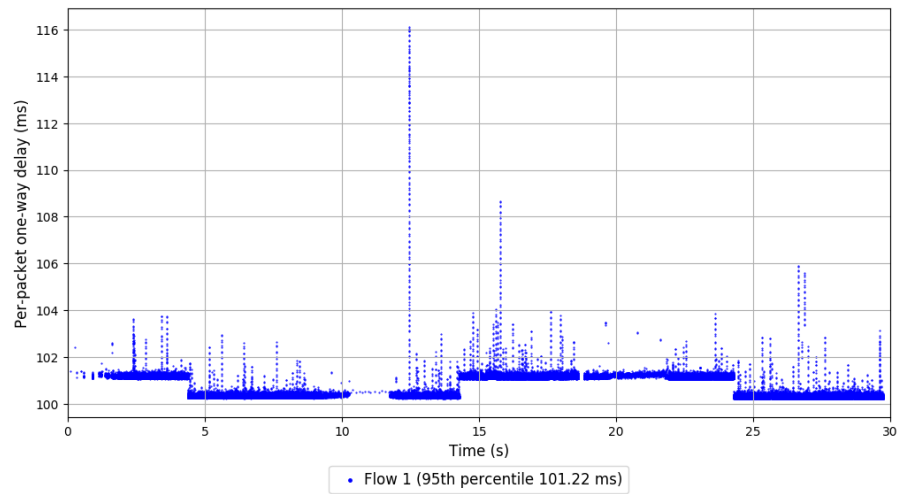
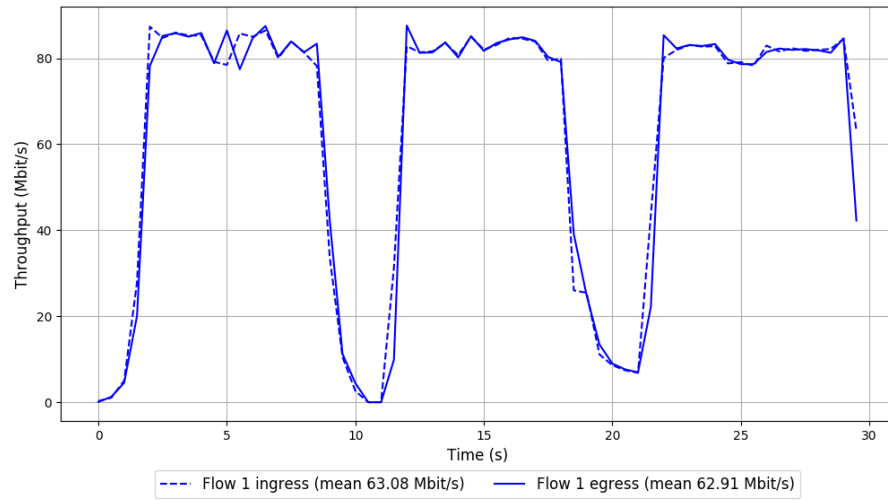
-- Flow 1:

Average throughput: 62.91 Mbit/s

95th percentile per-packet one-way delay: 101.217 ms

Loss rate: 1.01%

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



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 07:03:37

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

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.89 Mbit/s

95th percentile per-packet one-way delay: 97.289 ms

Loss rate: 0.97%

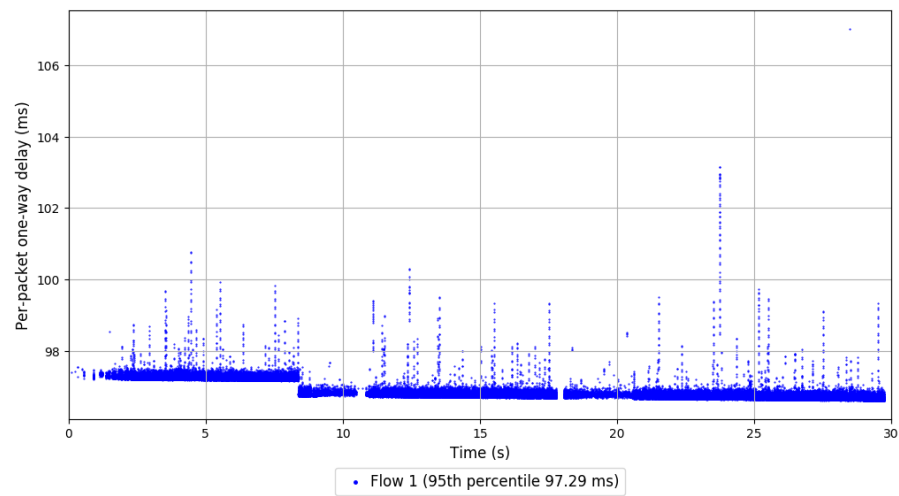
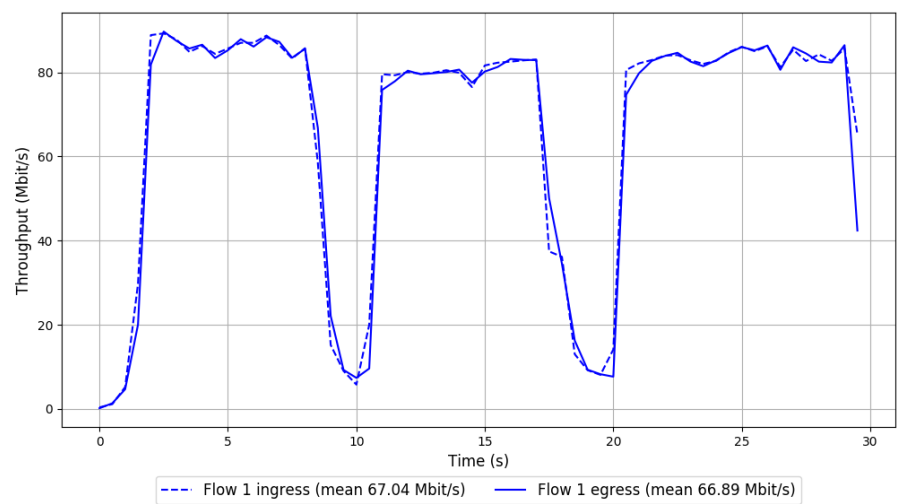
-- Flow 1:

Average throughput: 66.89 Mbit/s

95th percentile per-packet one-way delay: 97.289 ms

Loss rate: 0.97%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 07:17:45

End at: 2018-04-17 07:18:15

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.82 Mbit/s

95th percentile per-packet one-way delay: 107.789 ms

Loss rate: 1.00%

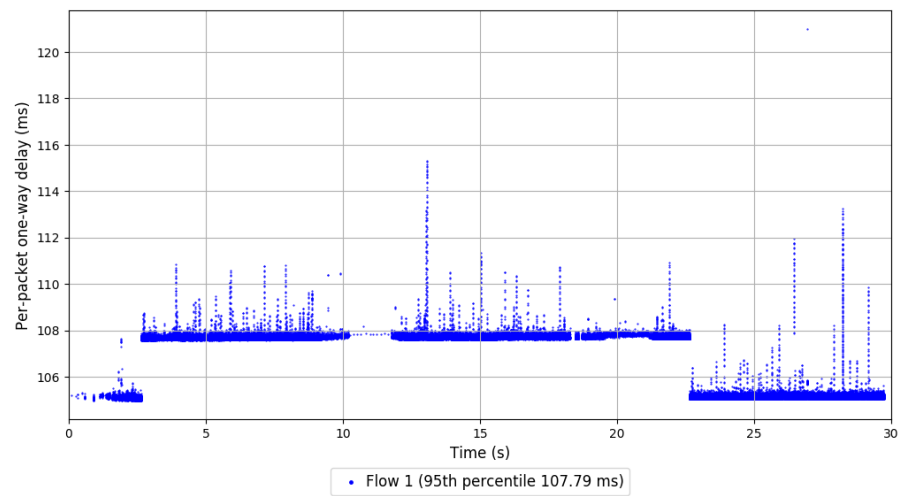
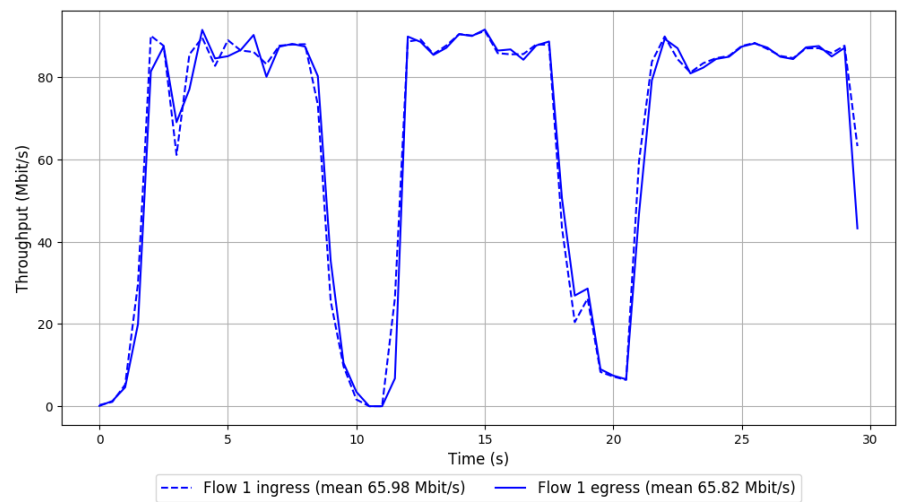
-- Flow 1:

Average throughput: 65.82 Mbit/s

95th percentile per-packet one-way delay: 107.789 ms

Loss rate: 1.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 07:32:04

End at: 2018-04-17 07:32:34

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 106.067 ms

Loss rate: 0.20%

-- Flow 1:

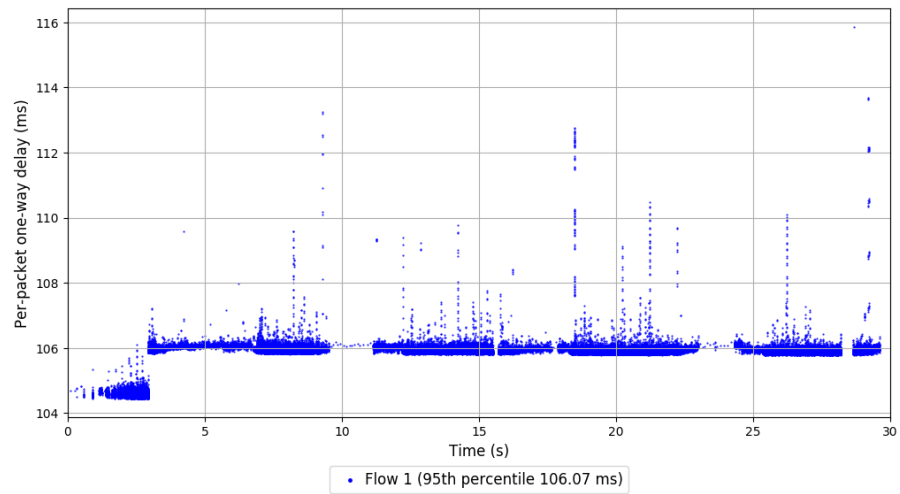
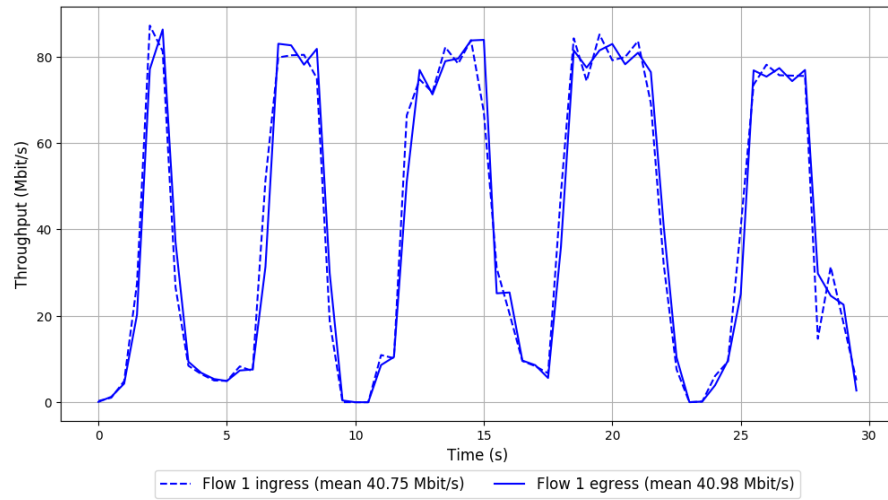
Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 106.067 ms

Loss rate: 0.20%



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



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 07:46:04

End at: 2018-04-17 07:46:34

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.73 Mbit/s

95th percentile per-packet one-way delay: 109.994 ms

Loss rate: 1.32%

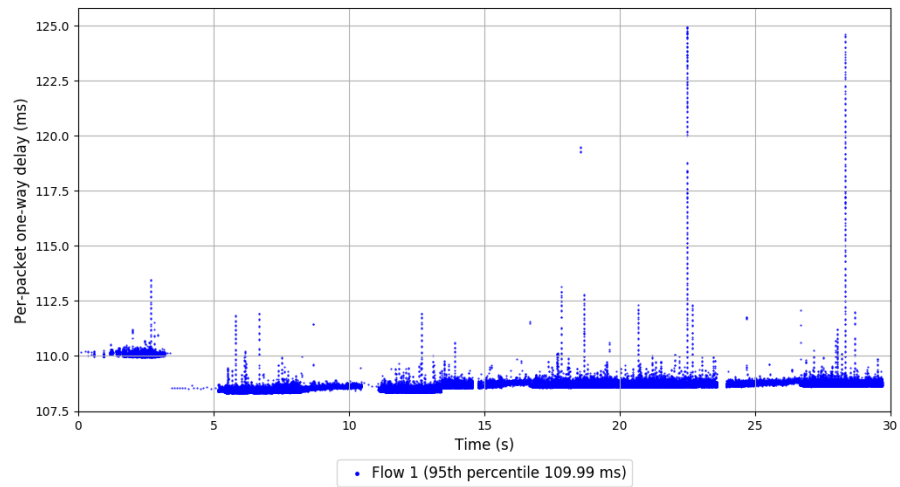
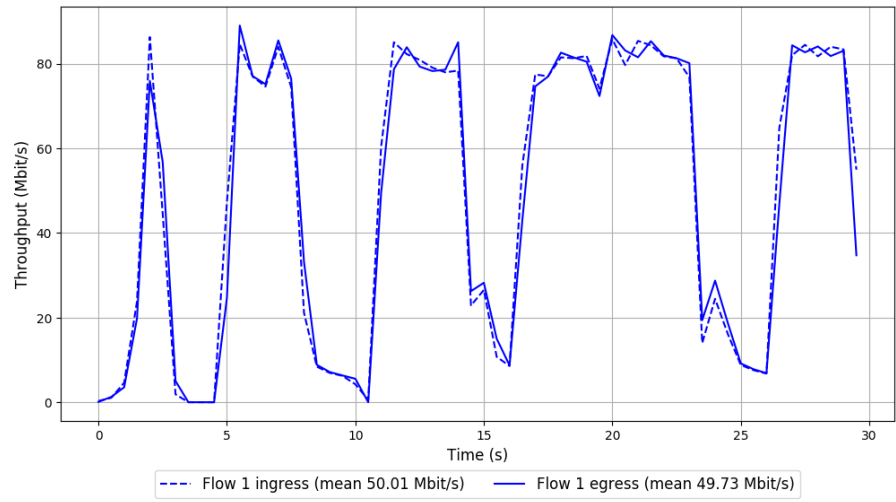
-- Flow 1:

Average throughput: 49.73 Mbit/s

95th percentile per-packet one-way delay: 109.994 ms

Loss rate: 1.32%

# Run 10: Report of QUIC Cubic — Data Link

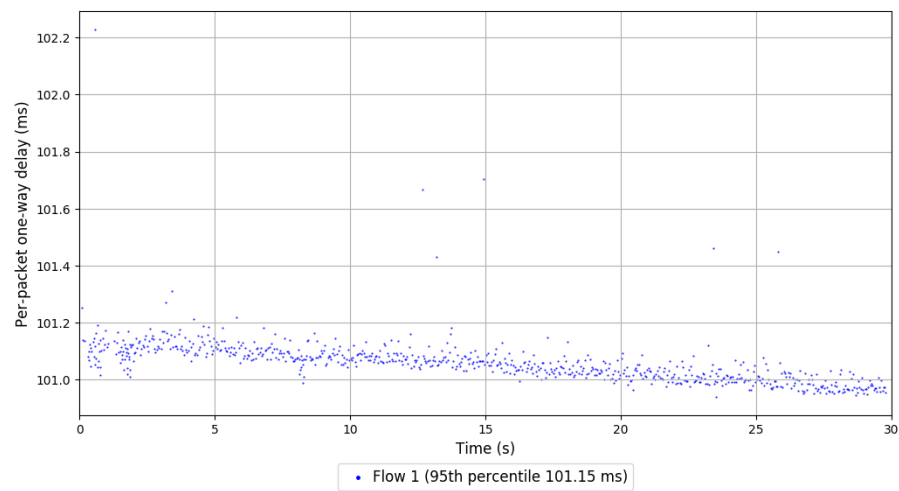
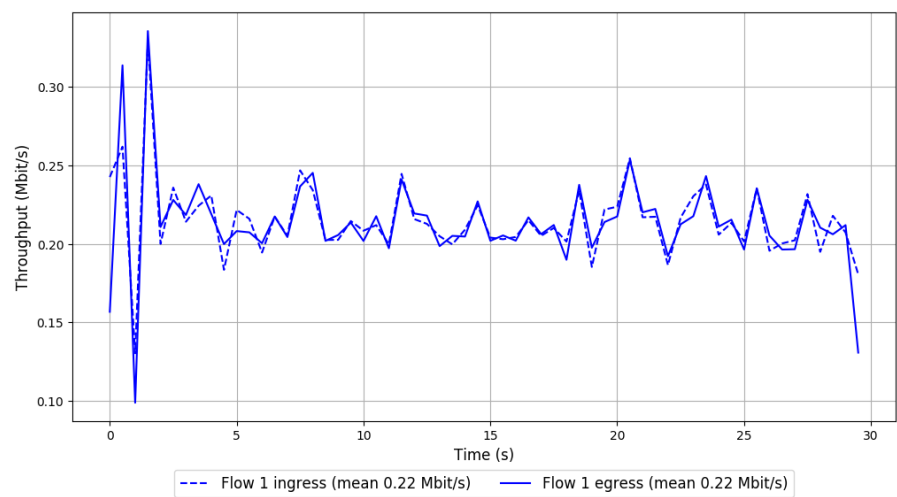


```
Run 1: Statistics of SCReAM

Start at: 2018-04-17 05:44:58
End at: 2018-04-17 05:45:28

# Below is generated by plot.py at 2018-04-17 10:39:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.149 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.149 ms
Loss rate: 0.76%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-17 05:58:55

End at: 2018-04-17 05:59:25

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.896 ms

Loss rate: 0.77%

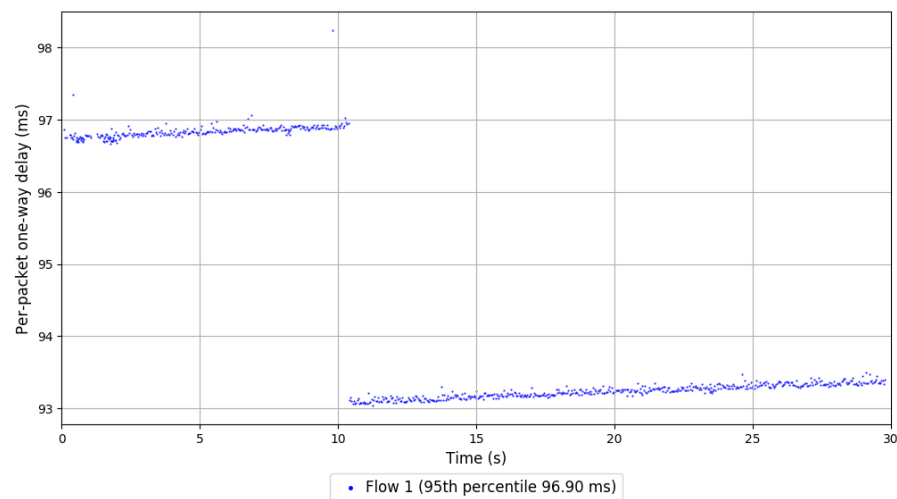
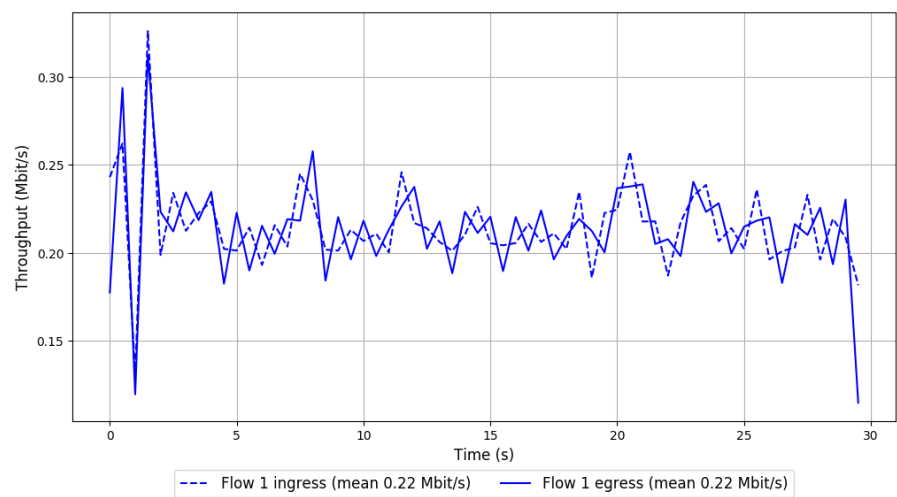
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.896 ms

Loss rate: 0.77%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-17 06:12:46

End at: 2018-04-17 06:13:16

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 96.085 ms

Loss rate: 0.73%

-- Flow 1:

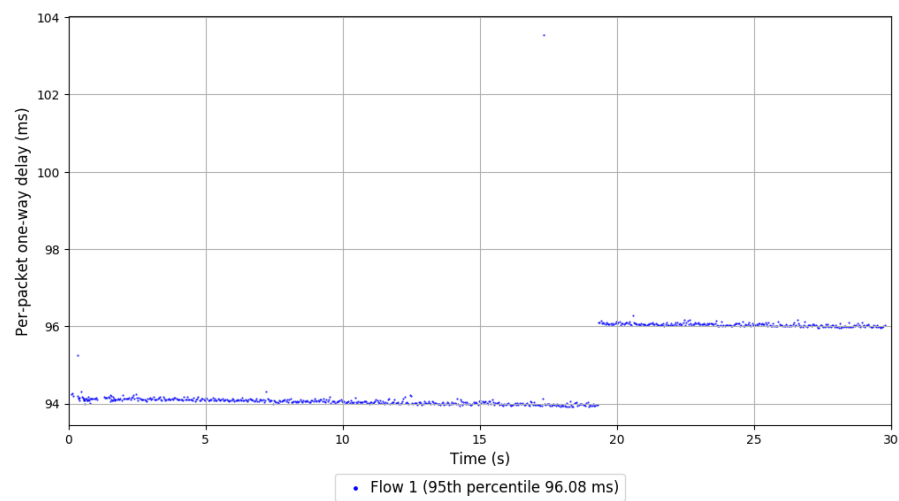
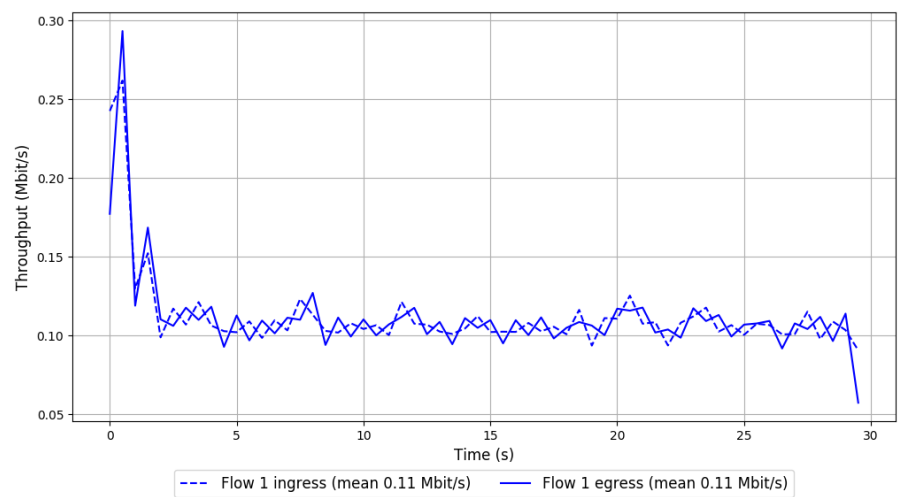
Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 96.085 ms

Loss rate: 0.73%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-17 06:26:39

End at: 2018-04-17 06:27:09

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 87.125 ms

Loss rate: 0.76%

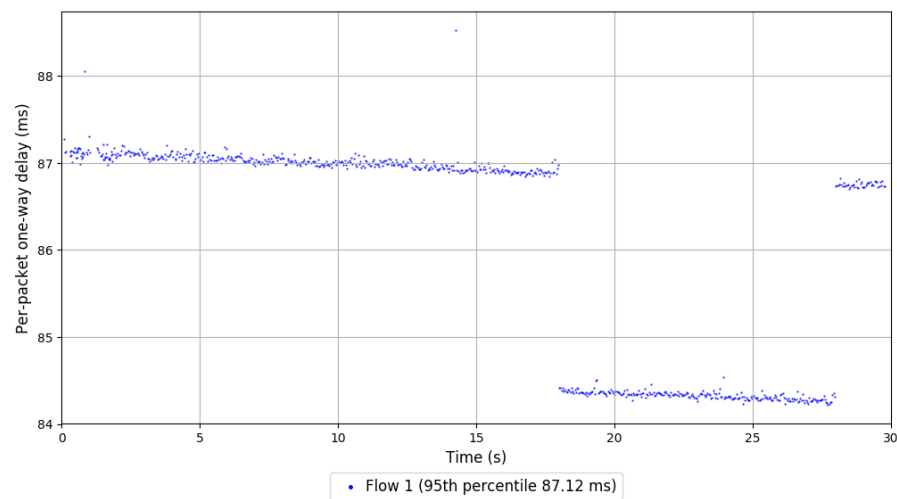
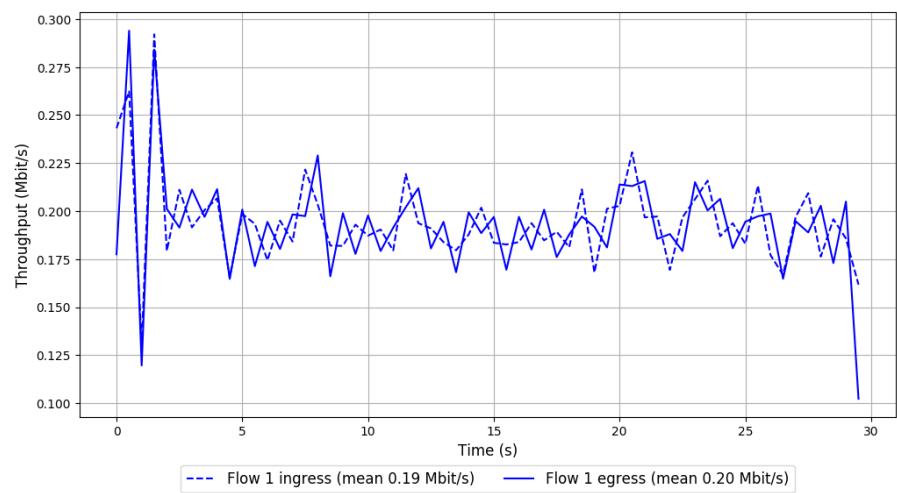
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 87.125 ms

Loss rate: 0.76%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-17 06:40:27

End at: 2018-04-17 06:40:57

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.013 ms

Loss rate: 0.77%

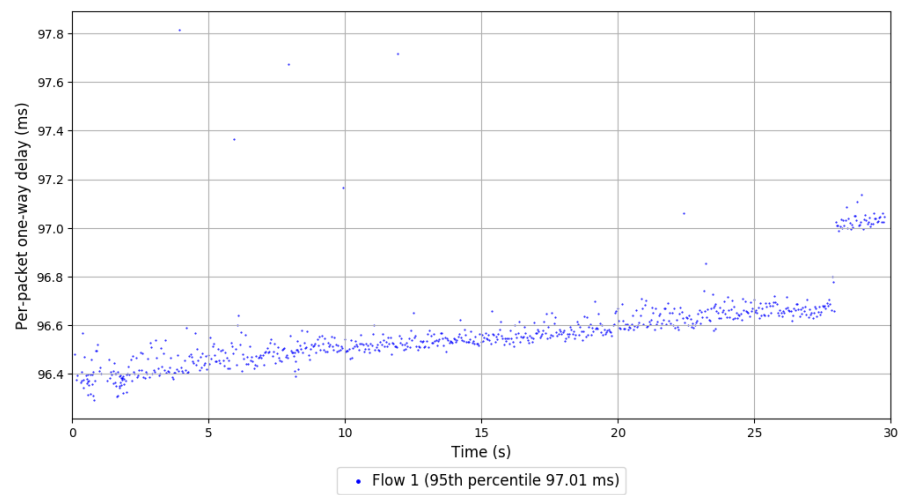
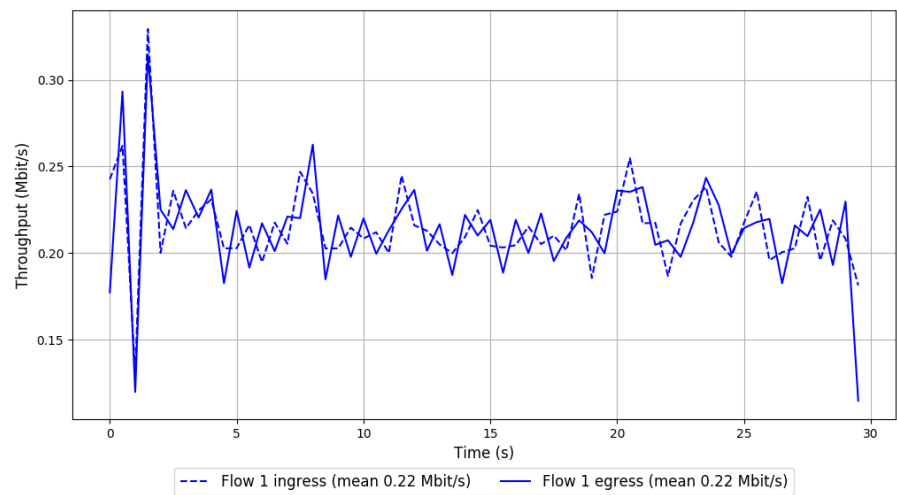
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.013 ms

Loss rate: 0.77%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 06:54:22

End at: 2018-04-17 06:54:52

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 101.958 ms

Loss rate: 0.76%

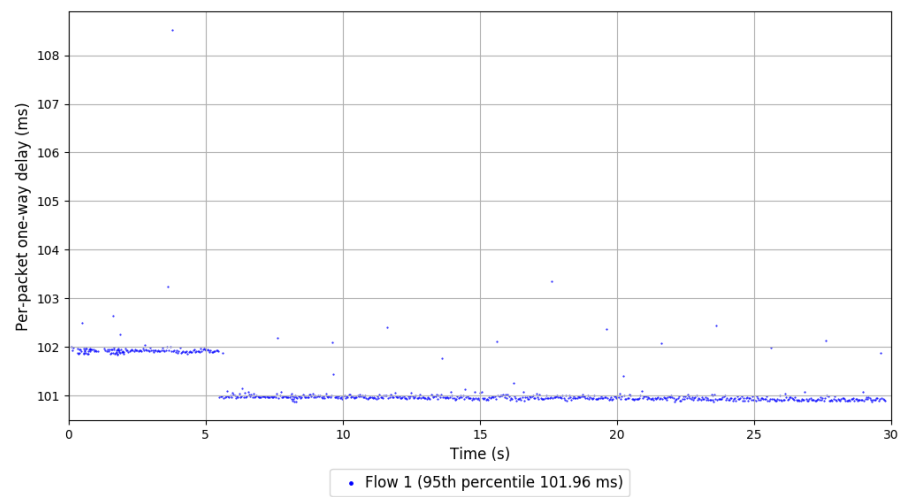
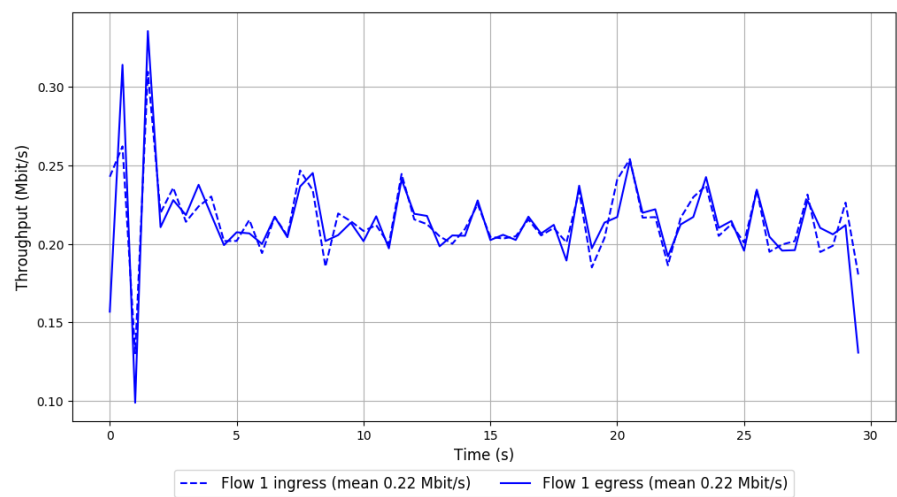
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 101.958 ms

Loss rate: 0.76%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-04-17 07:08:32

End at: 2018-04-17 07:09:02

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 103.958 ms

Loss rate: 0.76%

-- Flow 1:

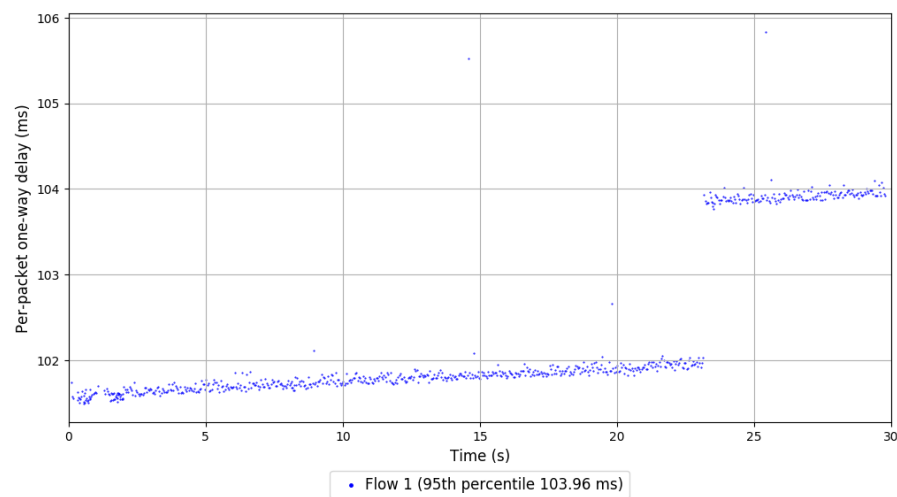
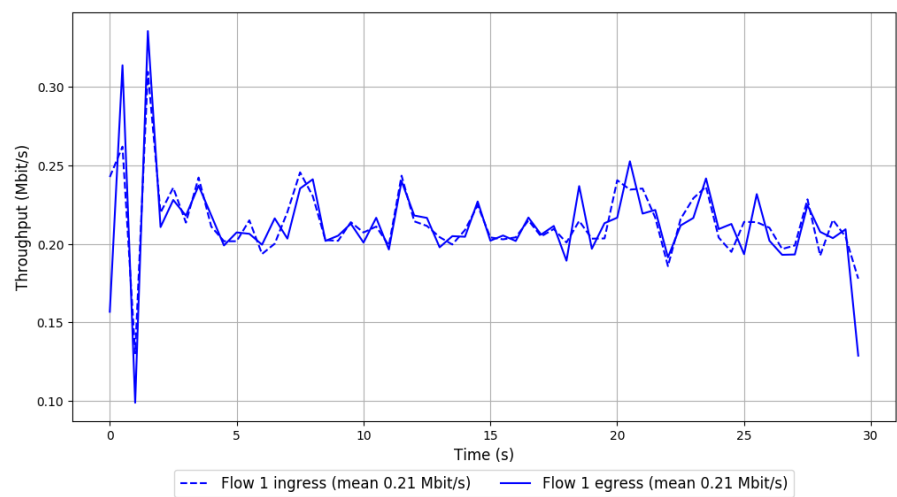
Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 103.958 ms

Loss rate: 0.76%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-17 07:22:36

End at: 2018-04-17 07:23:06

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 107.642 ms

Loss rate: 0.76%

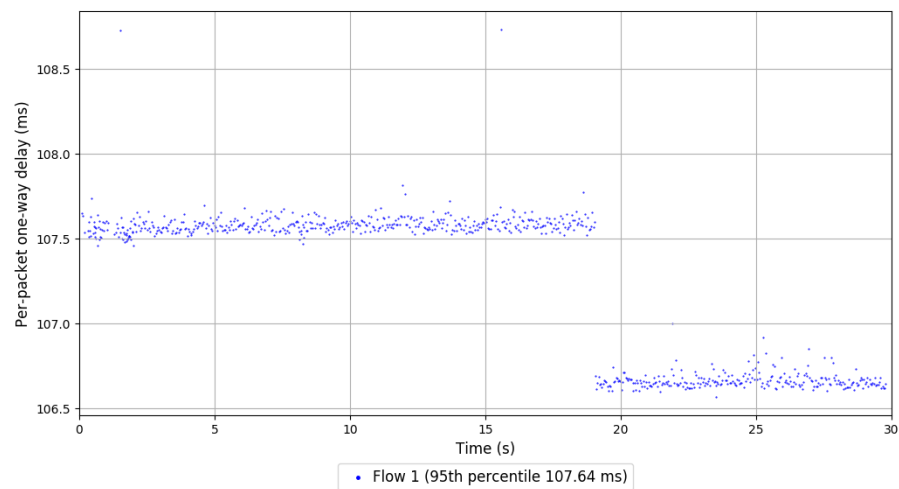
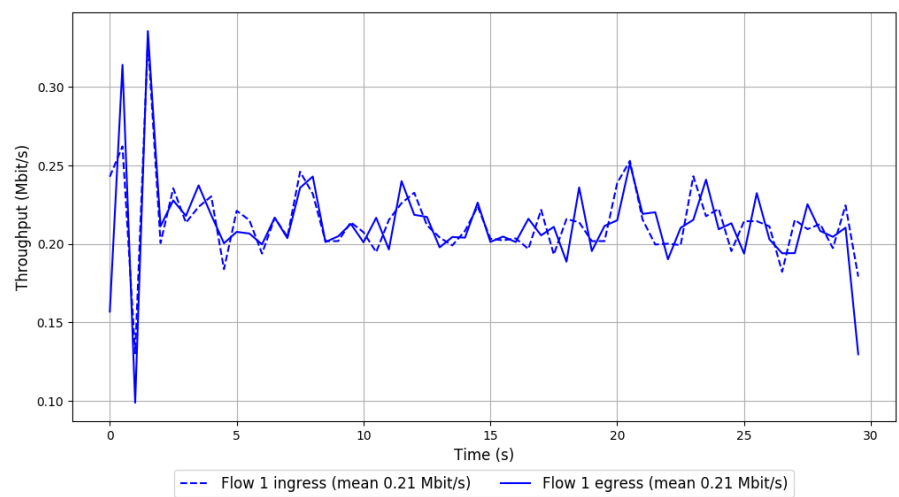
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 107.642 ms

Loss rate: 0.76%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-17 07:36:45

End at: 2018-04-17 07:37:15

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 107.329 ms

Loss rate: 0.77%

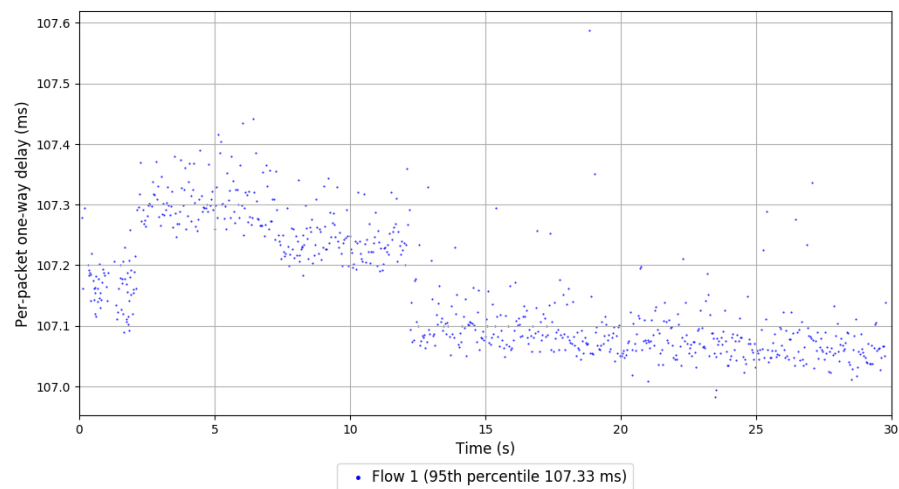
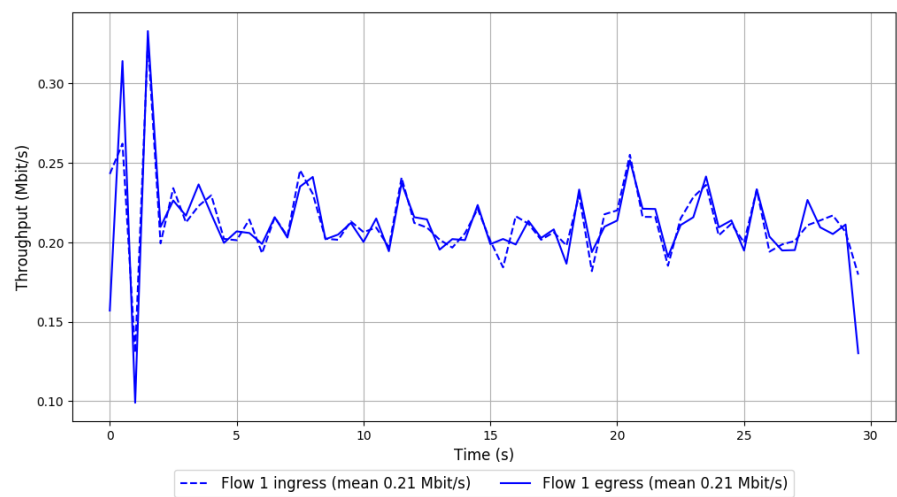
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 107.329 ms

Loss rate: 0.77%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-04-17 07:50:33

End at: 2018-04-17 07:51:03

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.546 ms

Loss rate: 0.76%

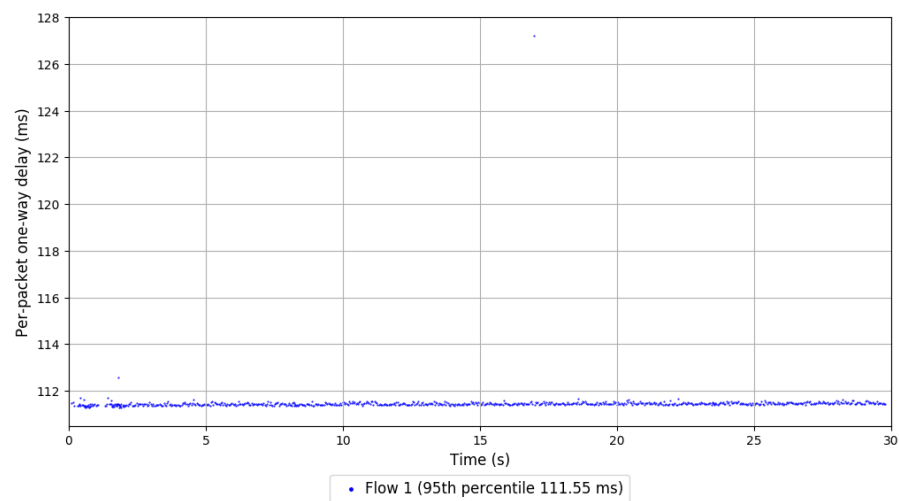
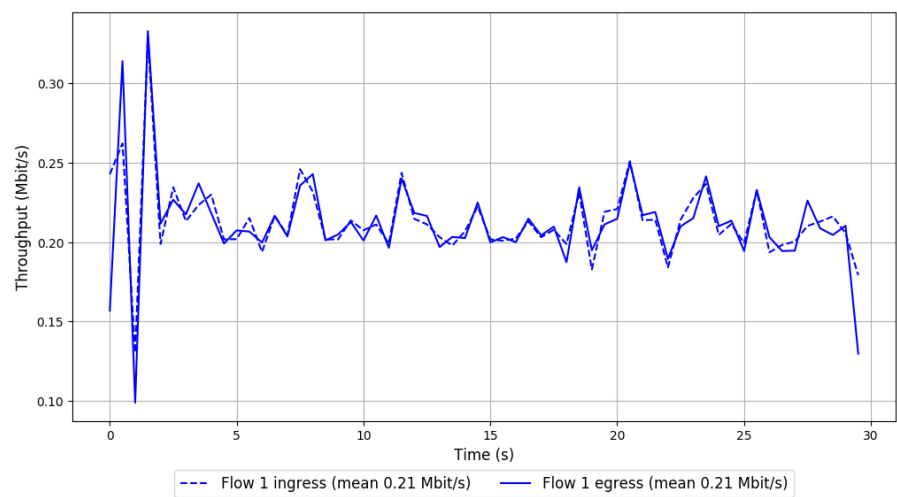
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.546 ms

Loss rate: 0.76%

Run 10: Report of SReAM — Data Link



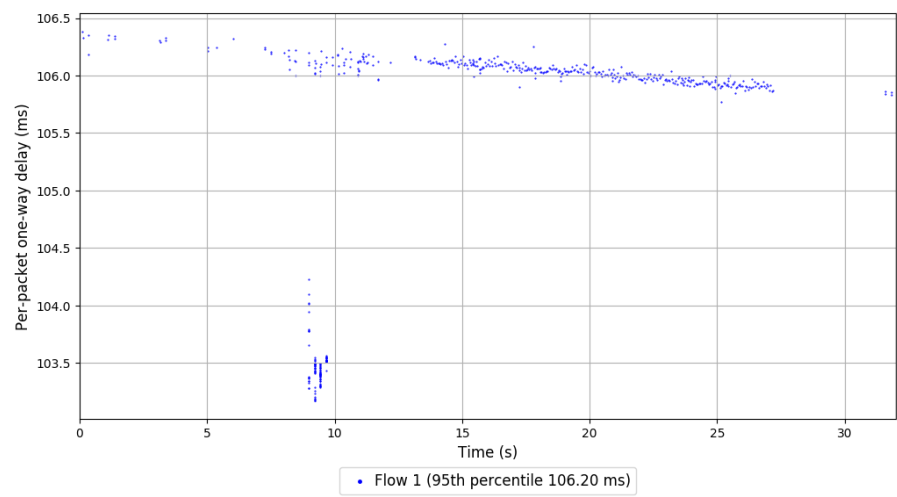
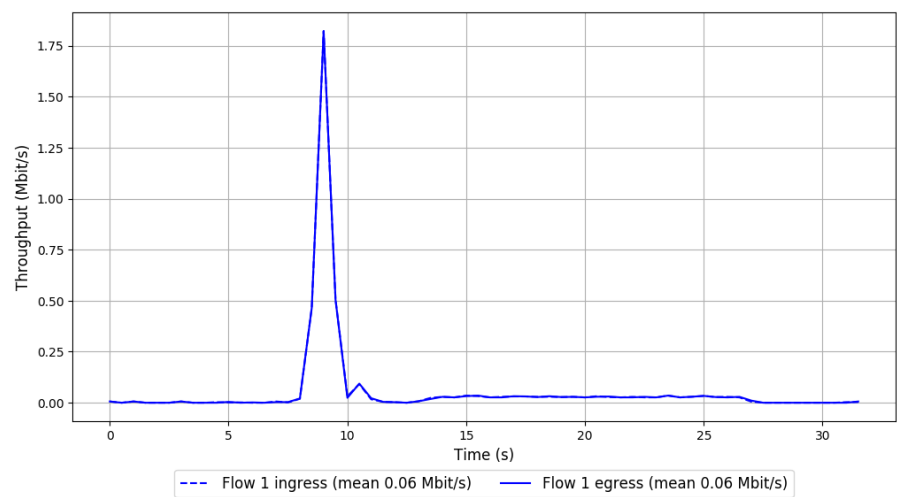
```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 05:35:14
End at: 2018-04-17 05:35:44

# Below is generated by plot.py at 2018-04-17 10:39:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 106.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 106.198 ms
Loss rate: 0.00%
```



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-17 05:48:59

End at: 2018-04-17 05:49:29

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 100.529 ms

Loss rate: 0.00%

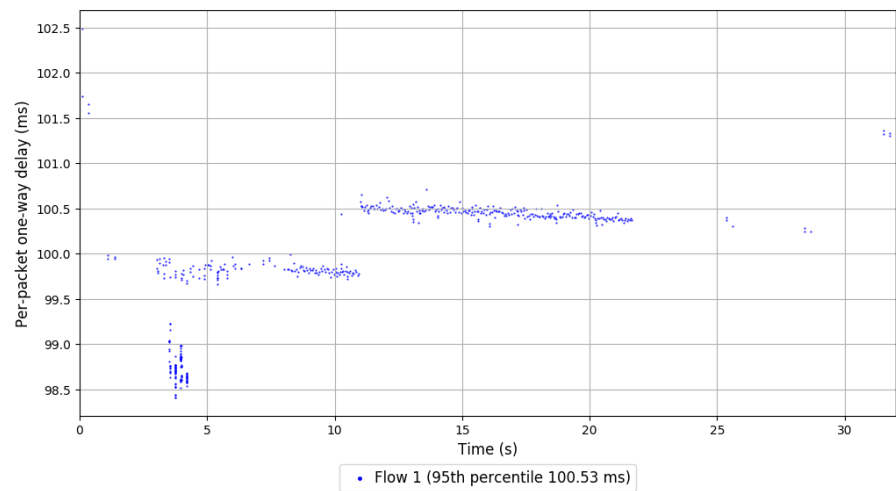
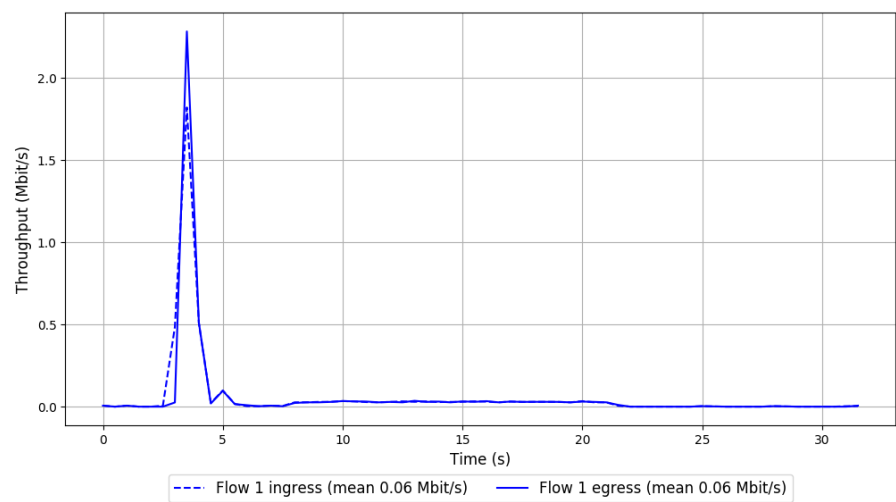
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 100.529 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-17 06:02:55

End at: 2018-04-17 06:03:25

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 99.468 ms

Loss rate: 0.00%

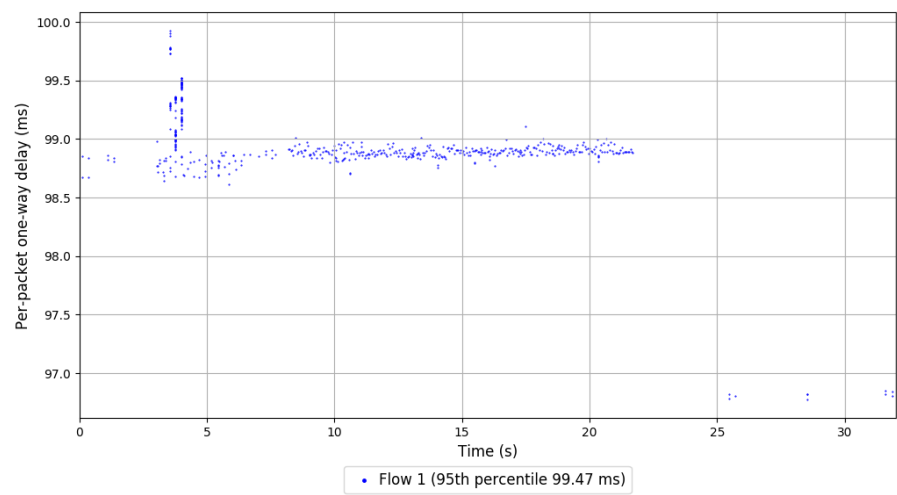
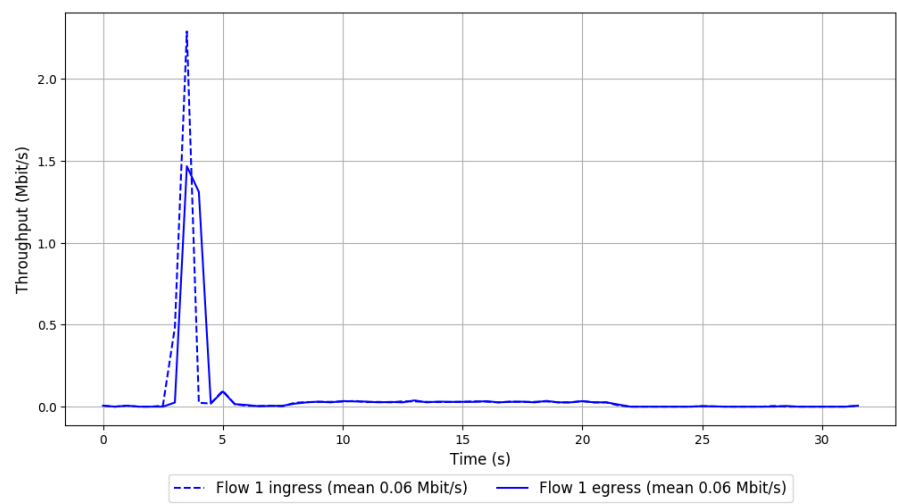
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 99.468 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-17 06:16:47

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

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 93.331 ms

Loss rate: 0.00%

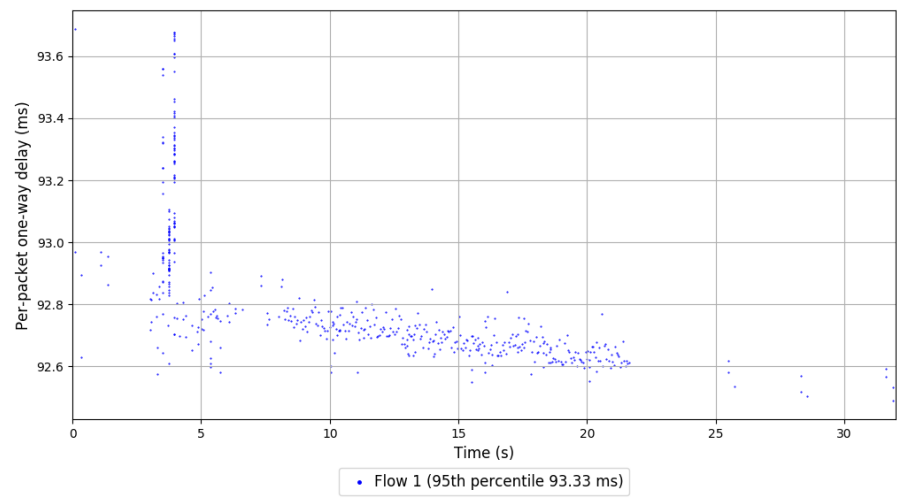
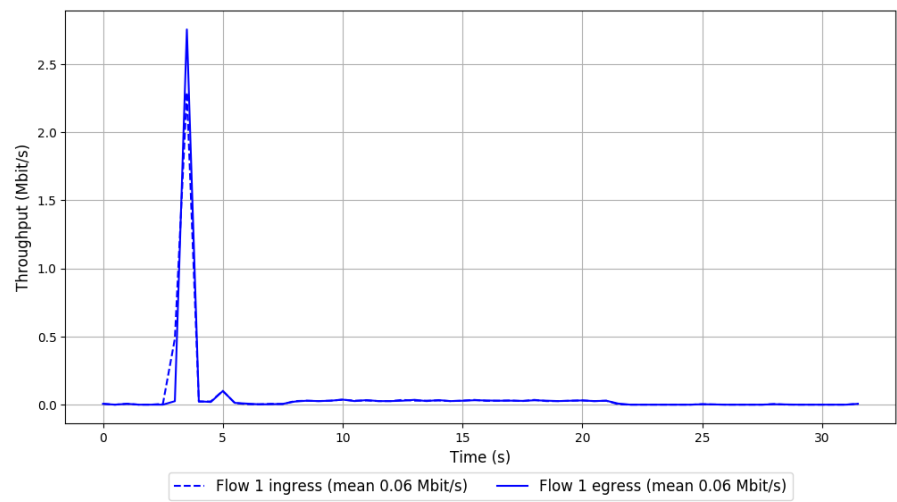
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 93.331 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-17 06:30:39

End at: 2018-04-17 06:31:10

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 84.693 ms

Loss rate: 0.00%

-- Flow 1:

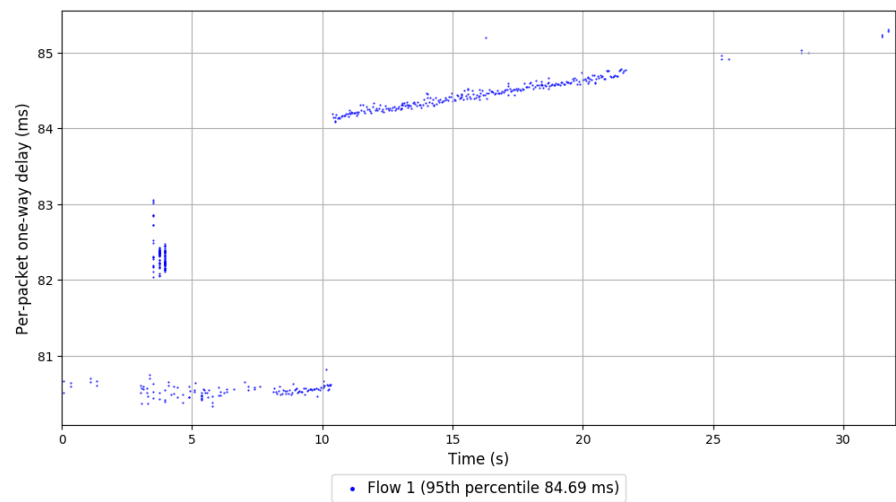
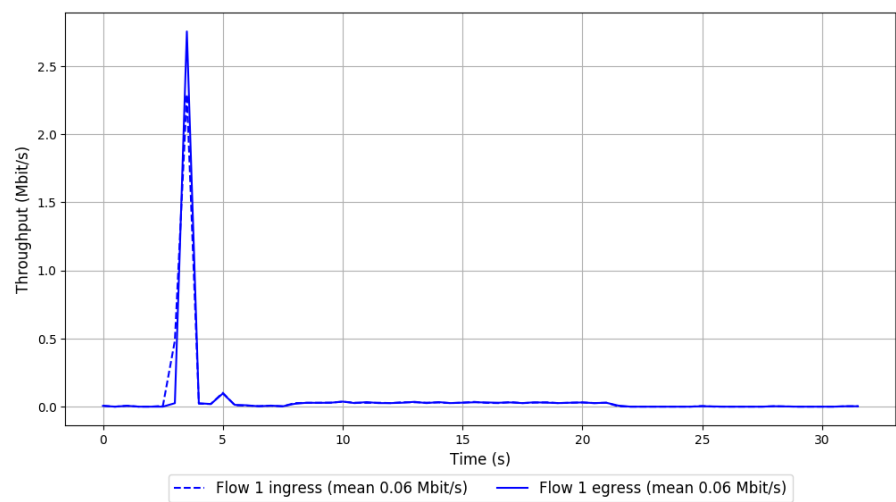
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 84.693 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-17 06:44:29

End at: 2018-04-17 06:44:59

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.391 ms

Loss rate: 0.00%

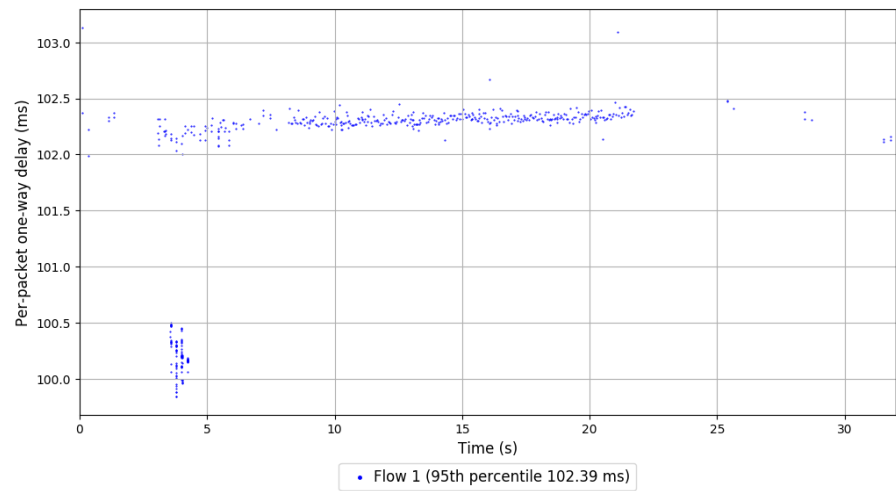
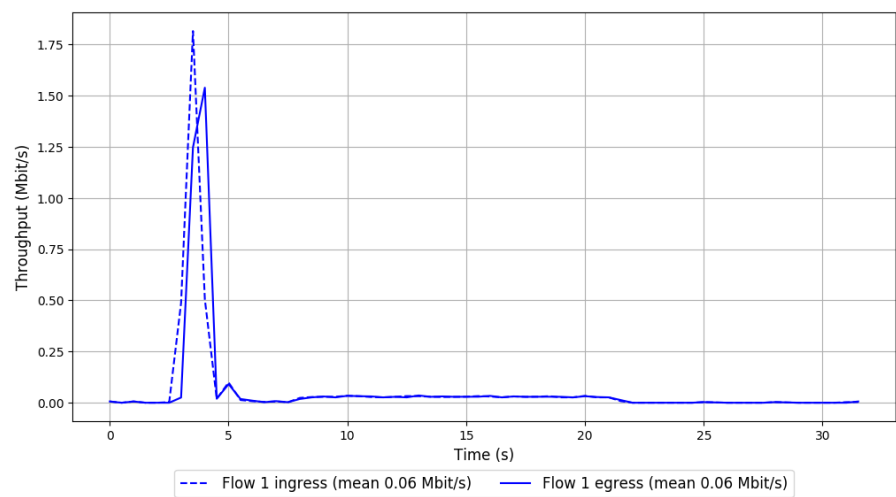
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.391 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-17 06:58:23

End at: 2018-04-17 06:58:53

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 99.818 ms

Loss rate: 0.00%

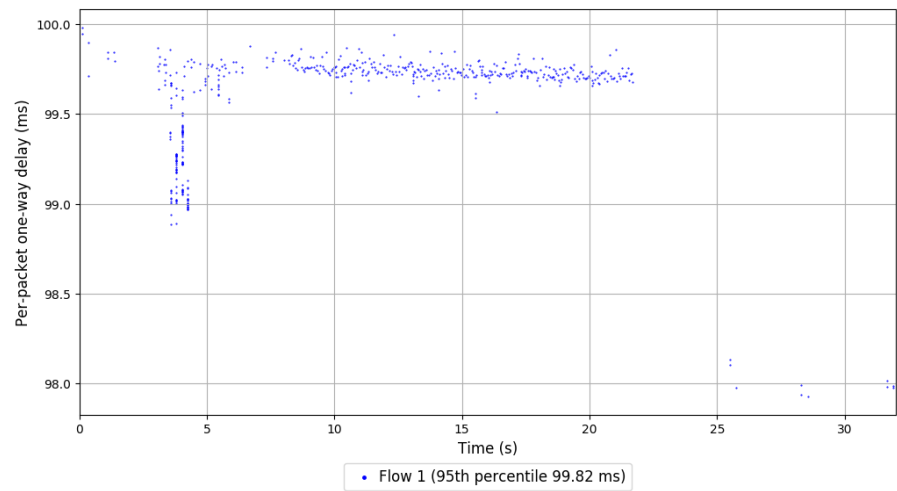
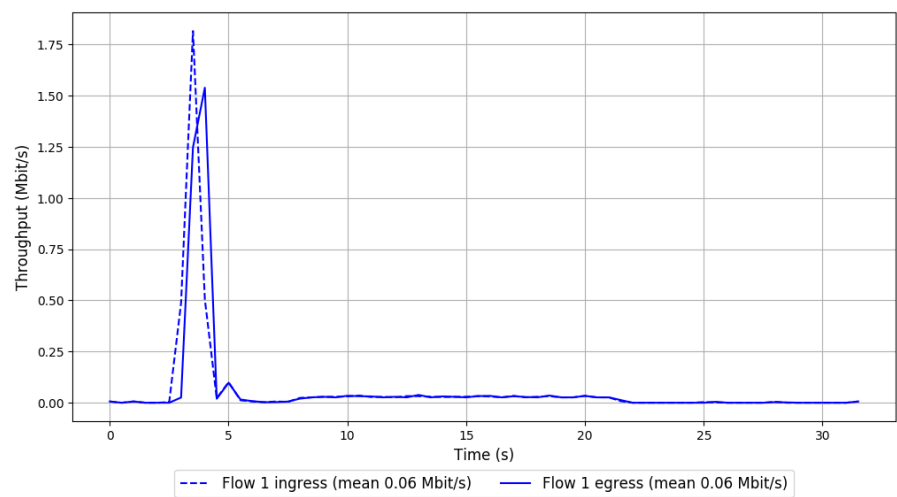
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 99.818 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-17 07:12:33

End at: 2018-04-17 07:13:03

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 106.023 ms

Loss rate: 0.00%

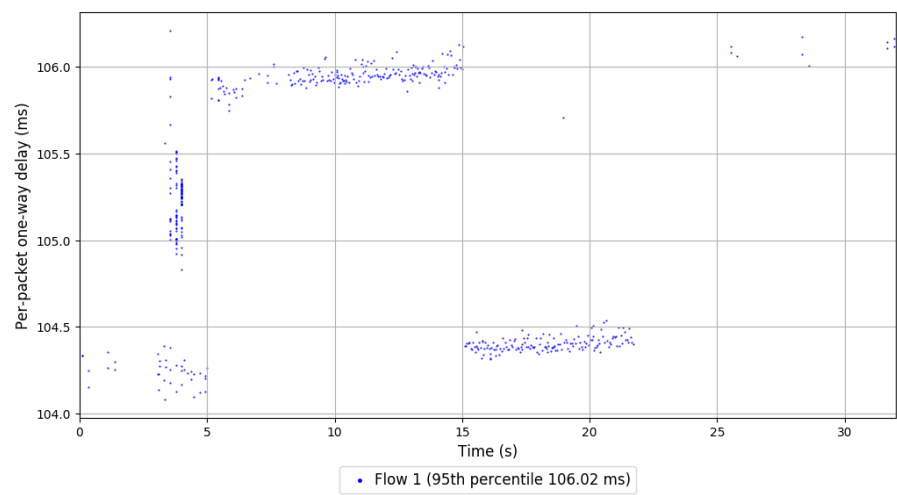
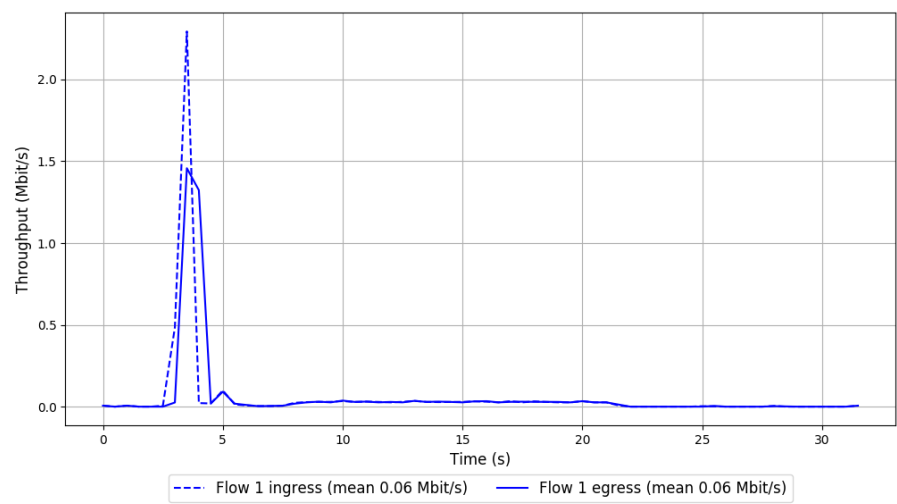
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 106.023 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 07:26:43

End at: 2018-04-17 07:27:13

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 107.992 ms

Loss rate: 0.00%

-- Flow 1:

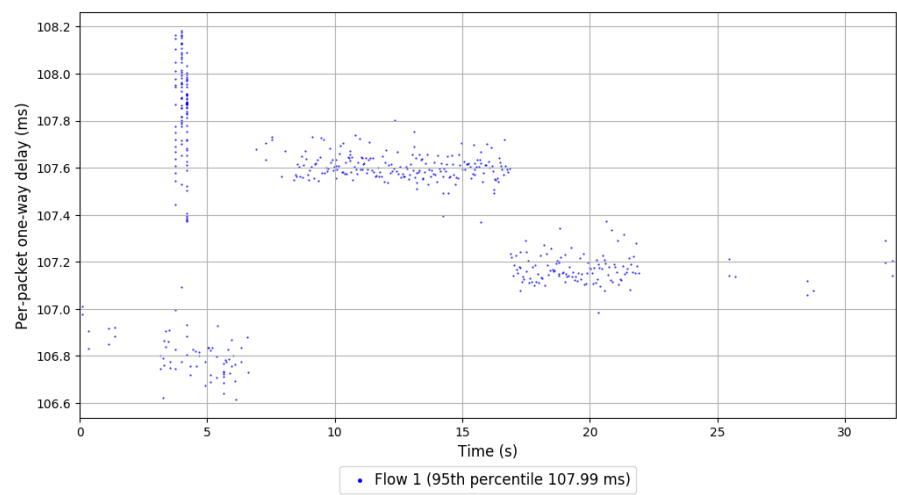
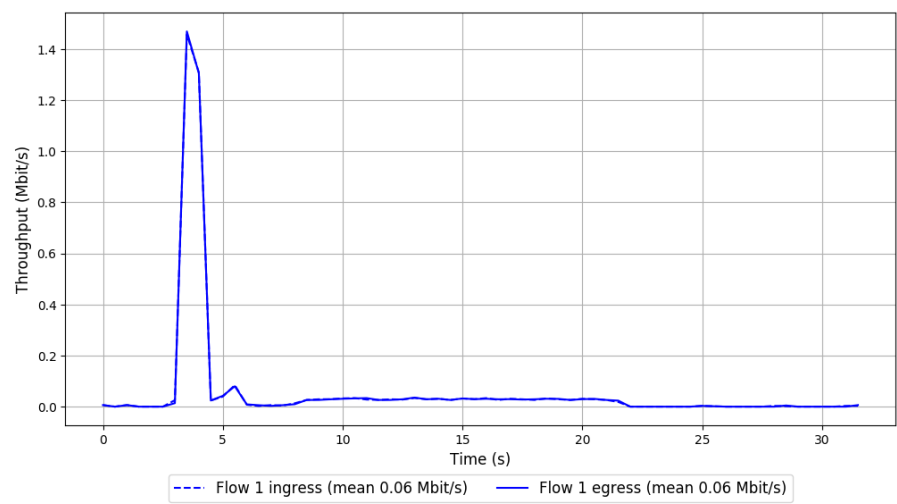
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 107.992 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-17 07:40:46

End at: 2018-04-17 07:41:16

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 108.179 ms

Loss rate: 0.00%

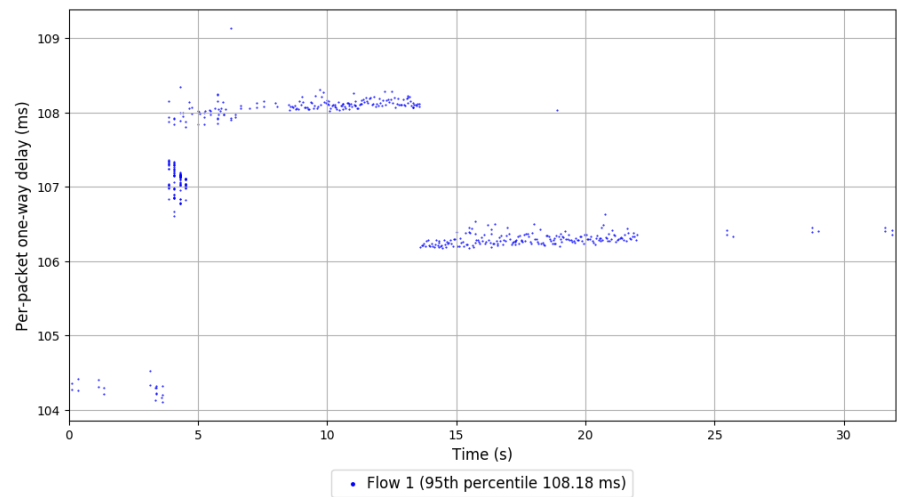
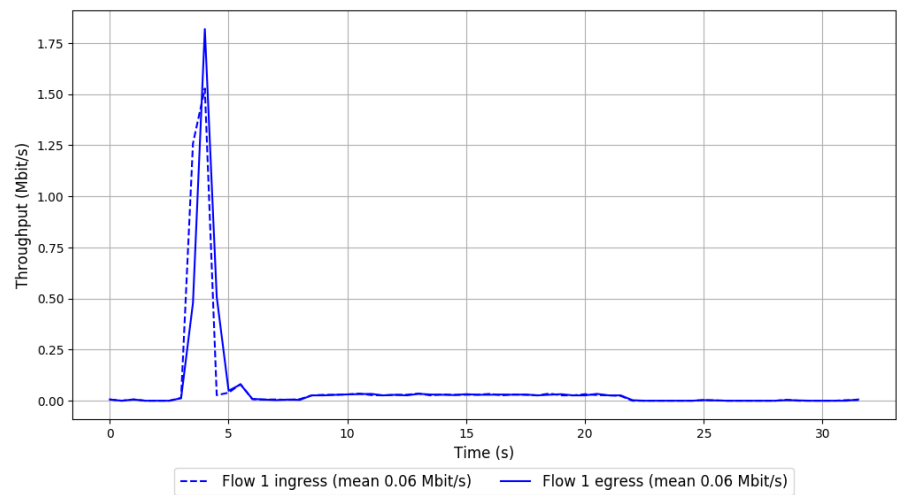
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 108.179 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-17 05:38:18

End at: 2018-04-17 05:38:48

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 102.539 ms

Loss rate: 0.96%

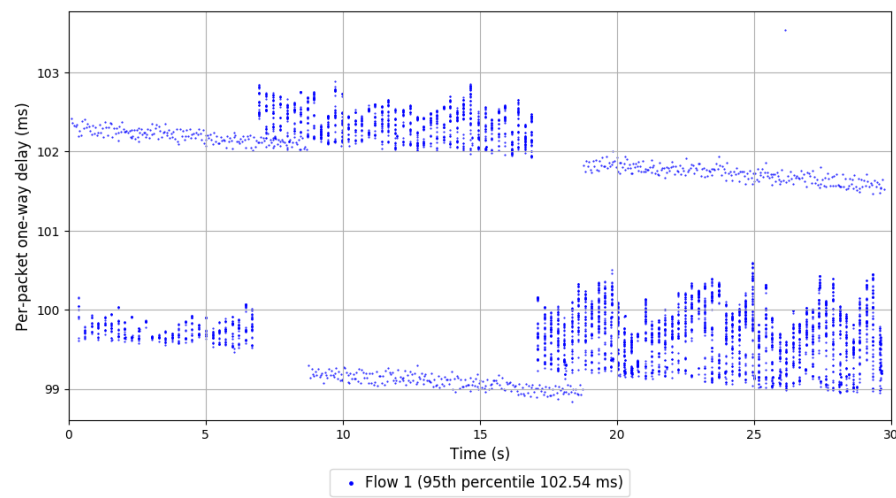
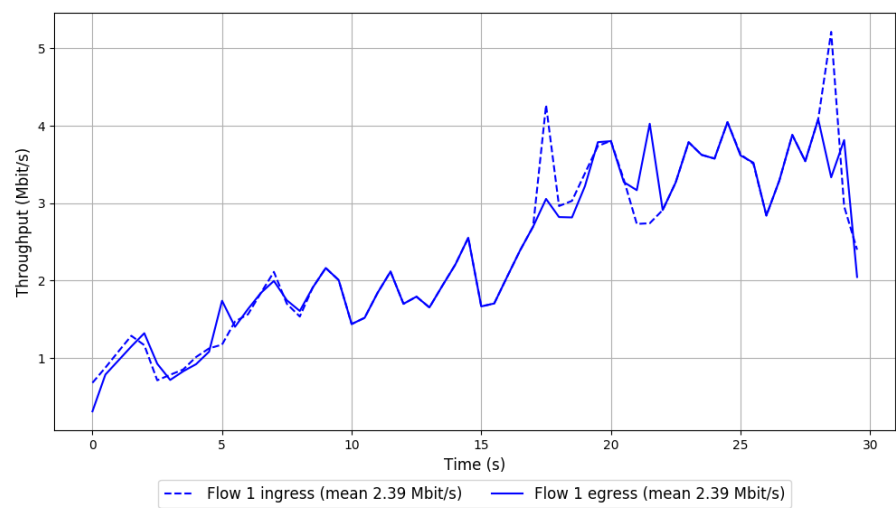
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 102.539 ms

Loss rate: 0.96%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 05:52:03

End at: 2018-04-17 05:52:33

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 97.648 ms

Loss rate: 1.13%

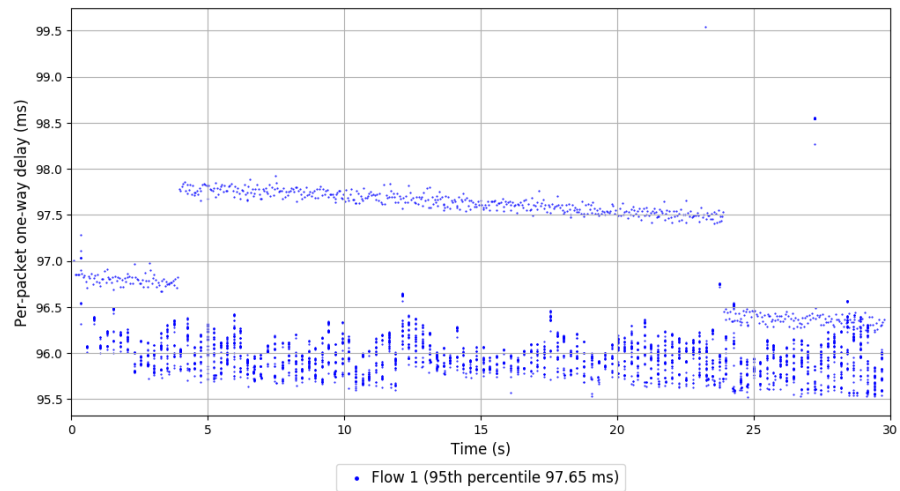
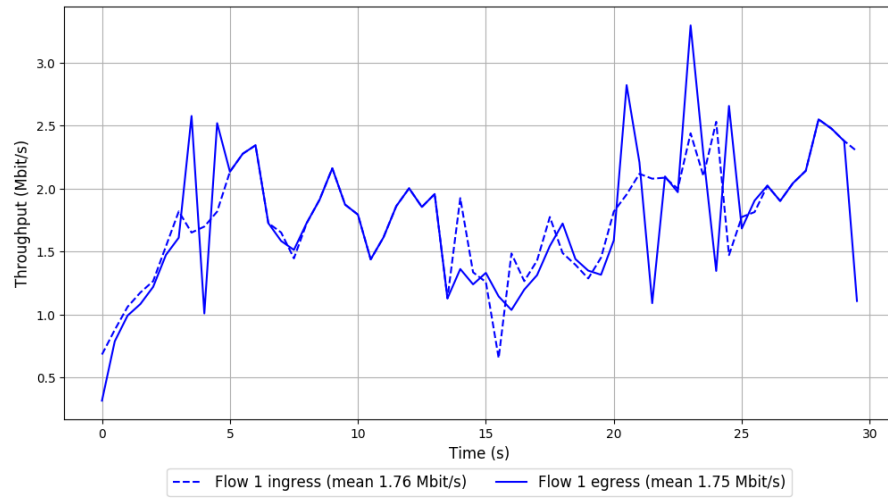
-- Flow 1:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 97.648 ms

Loss rate: 1.13%

## Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

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

End at: 2018-04-17 06:06:31

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 99.722 ms

Loss rate: 0.70%

-- Flow 1:

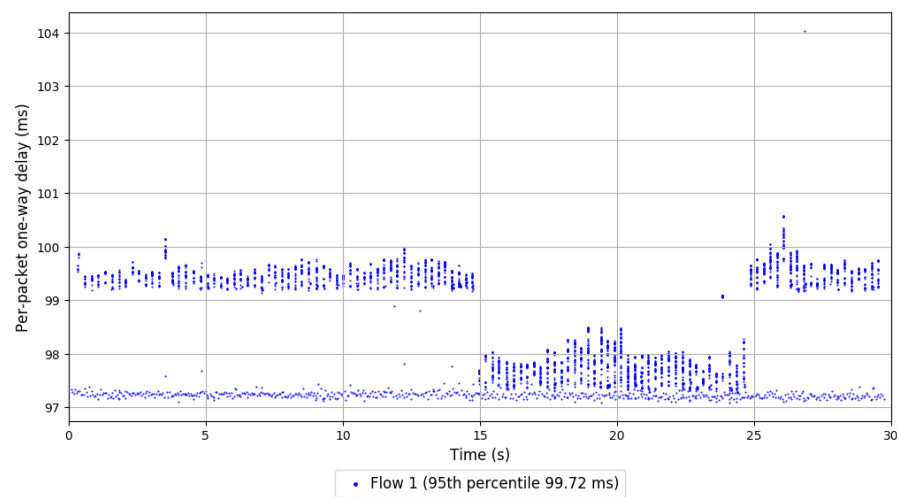
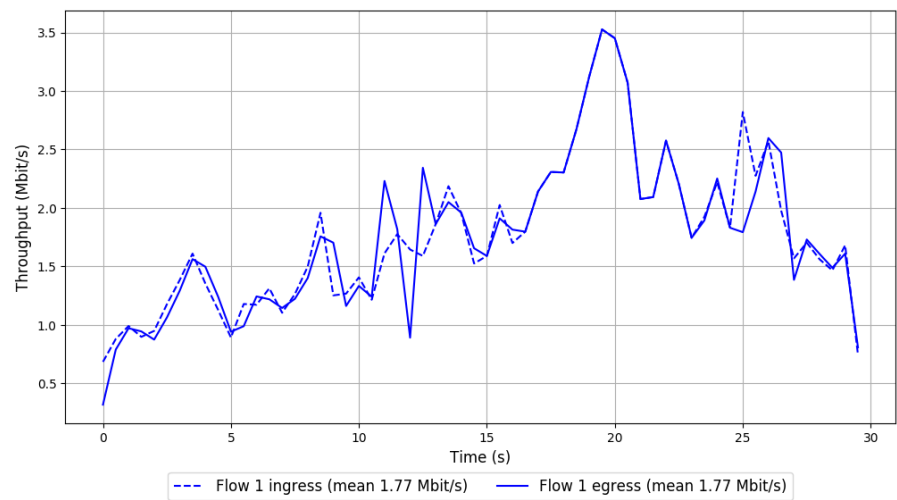
Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 99.722 ms

Loss rate: 0.70%



Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-17 06:19:54

End at: 2018-04-17 06:20:24

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 93.343 ms

Loss rate: 1.24%

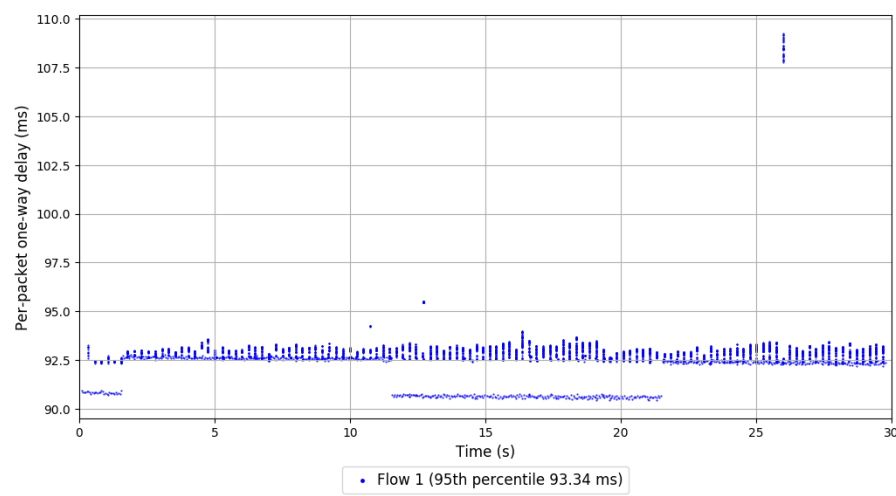
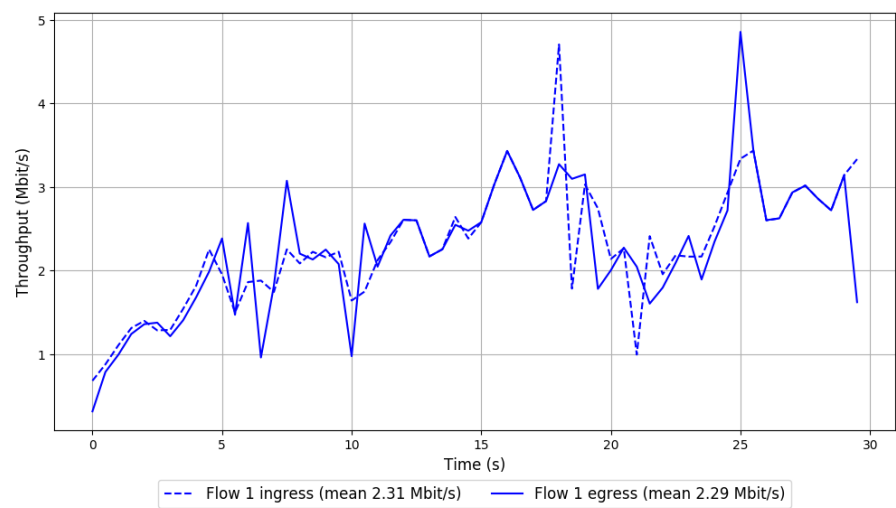
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 93.343 ms

Loss rate: 1.24%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-17 06:33:47

End at: 2018-04-17 06:34:17

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 92.985 ms

Loss rate: 0.92%

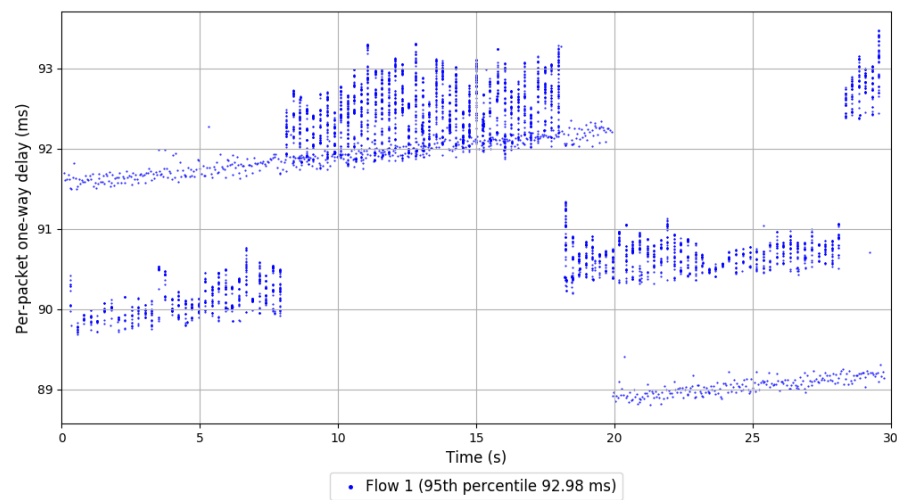
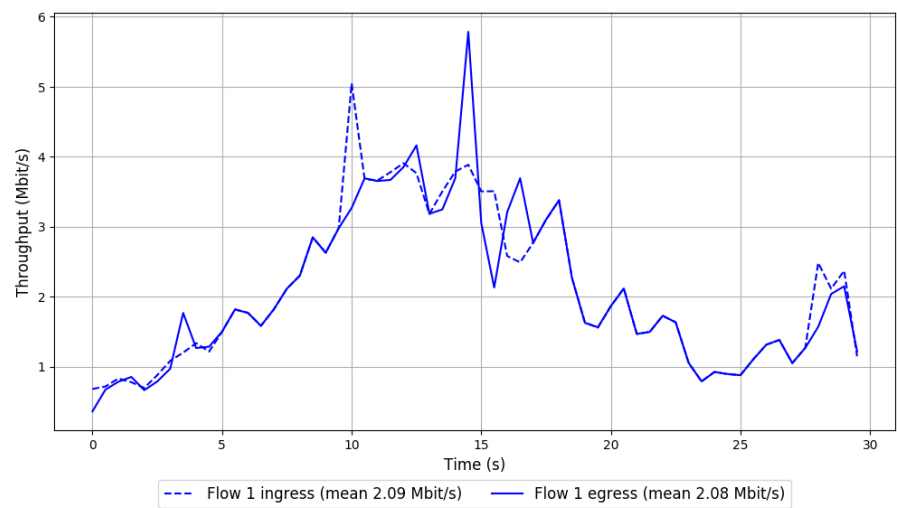
-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 92.985 ms

Loss rate: 0.92%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-17 06:47:35

End at: 2018-04-17 06:48:05

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.69 Mbit/s

95th percentile per-packet one-way delay: 102.315 ms

Loss rate: 1.22%

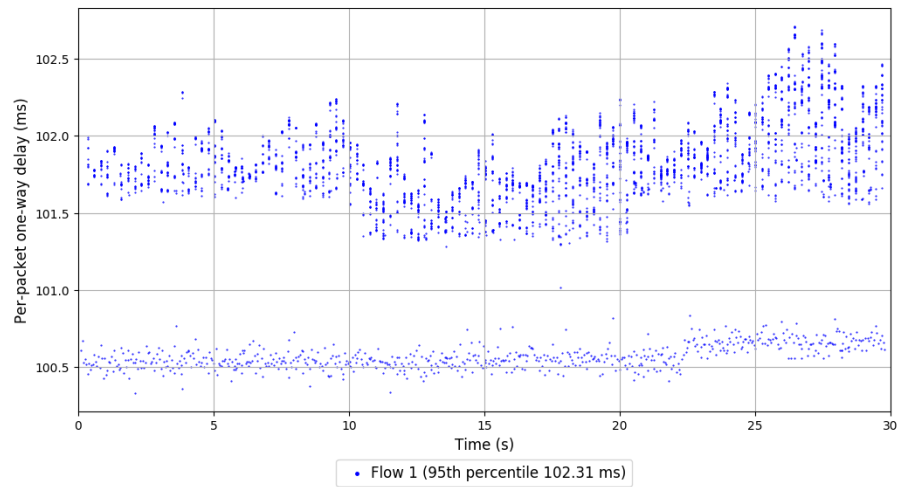
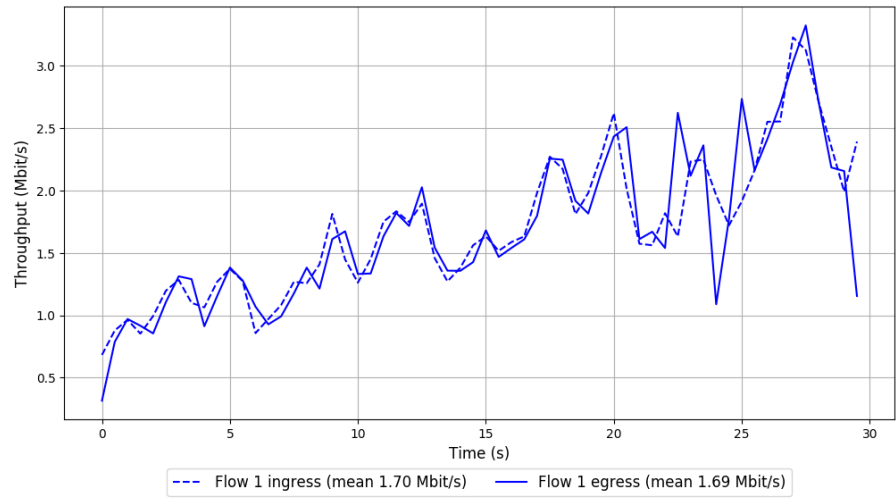
-- Flow 1:

Average throughput: 1.69 Mbit/s

95th percentile per-packet one-way delay: 102.315 ms

Loss rate: 1.22%

## Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-17 07:01:30

End at: 2018-04-17 07:02:00

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 99.745 ms

Loss rate: 1.01%

-- Flow 1:

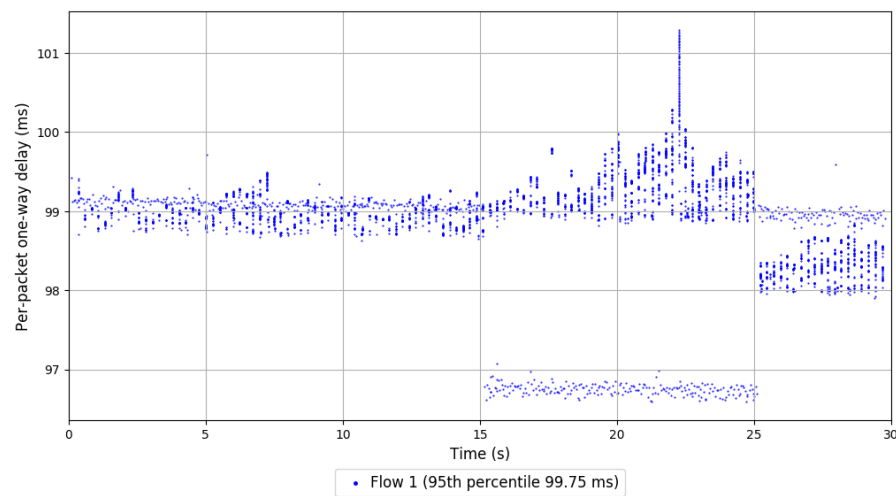
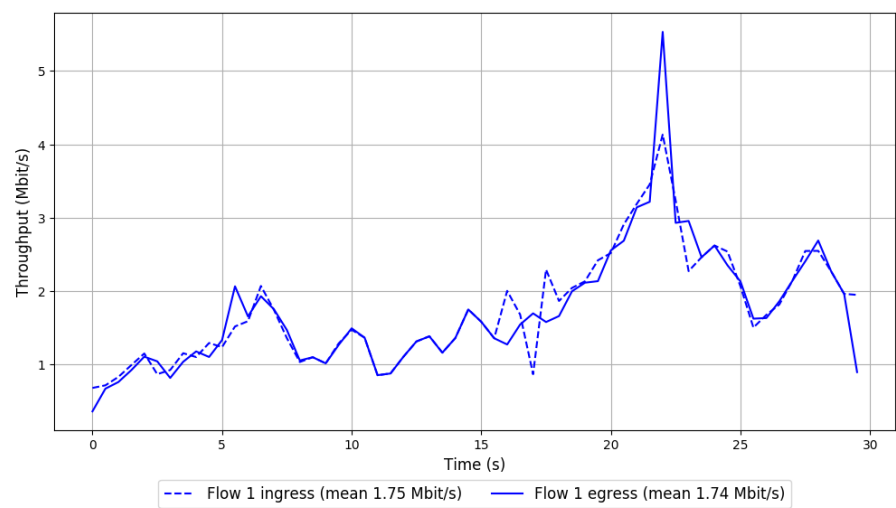
Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 99.745 ms

Loss rate: 1.01%



Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-17 07:15:38

End at: 2018-04-17 07:16:08

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 107.247 ms

Loss rate: 0.90%

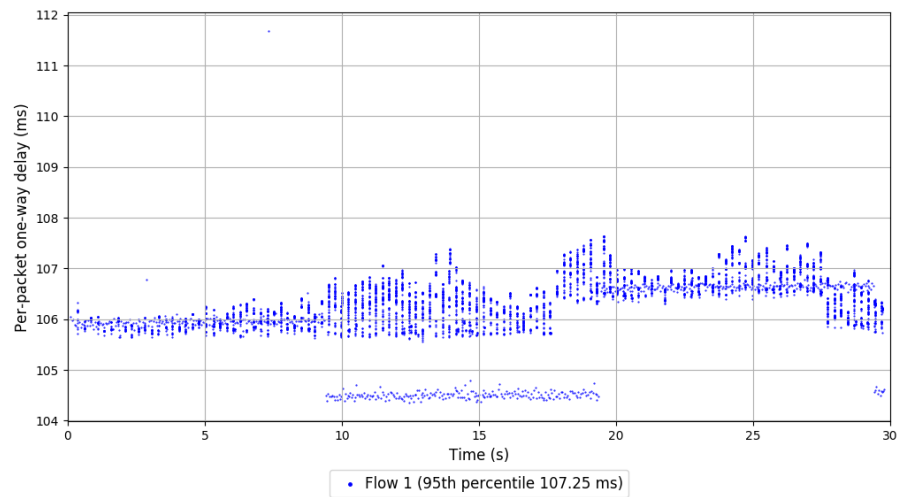
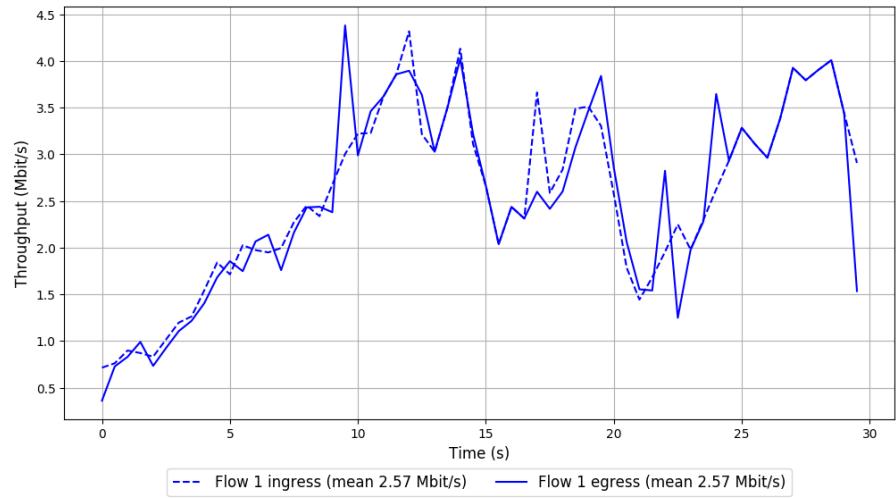
-- Flow 1:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 107.247 ms

Loss rate: 0.90%

## Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-17 07:29:56

End at: 2018-04-17 07:30:26

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 108.704 ms

Loss rate: 1.32%

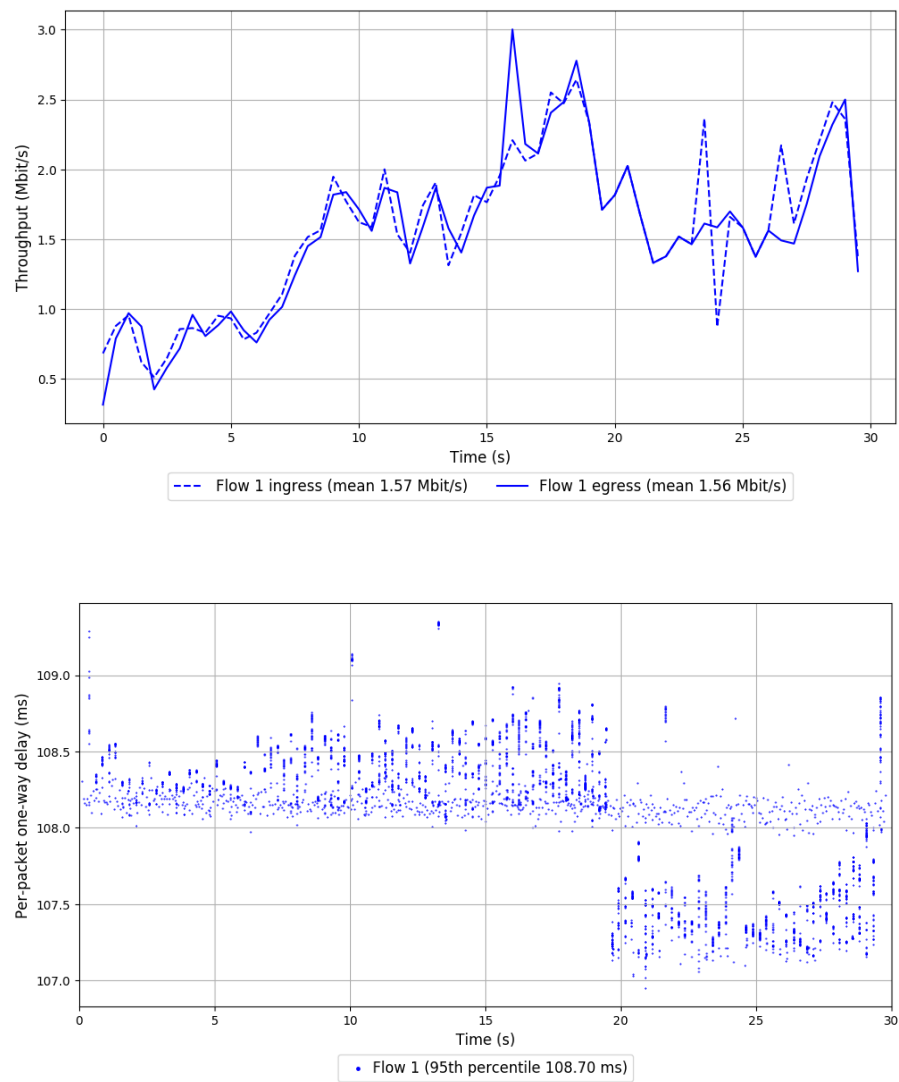
-- Flow 1:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 108.704 ms

Loss rate: 1.32%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-17 07:43:56

End at: 2018-04-17 07:44:26

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 110.440 ms

Loss rate: 0.06%

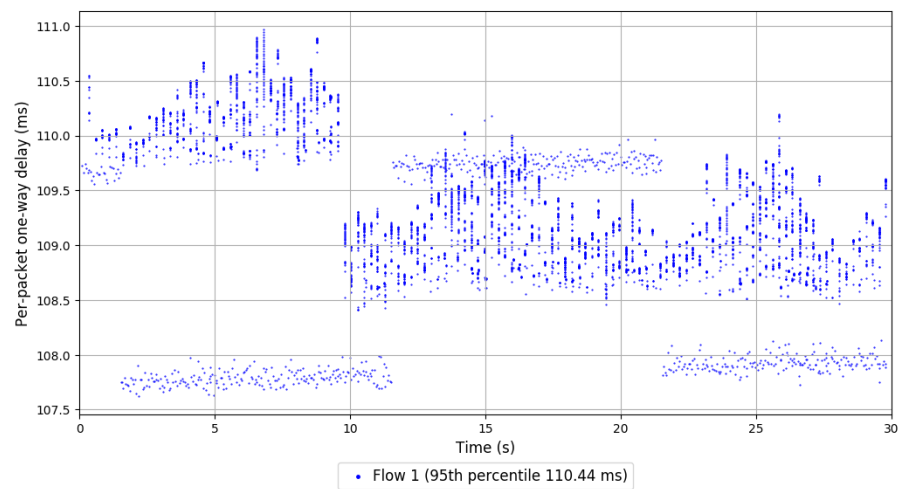
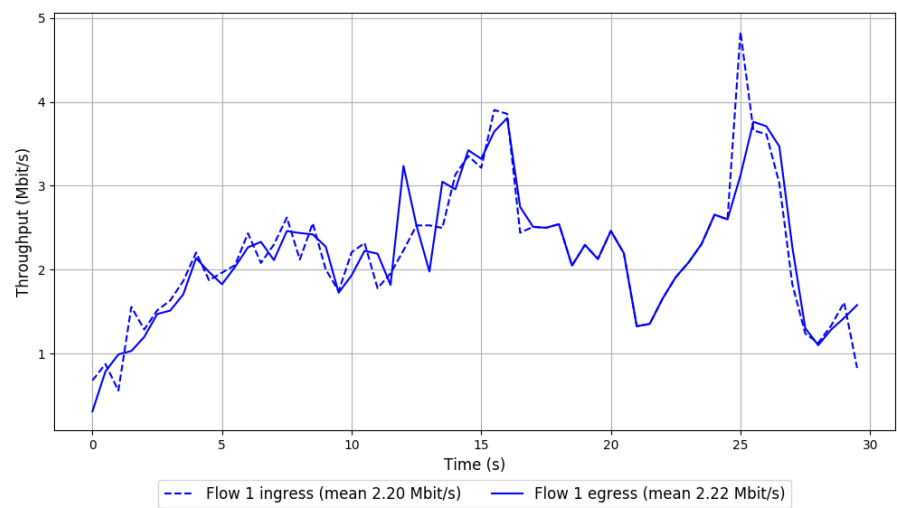
-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 110.440 ms

Loss rate: 0.06%

Run 10: Report of Sprout — Data Link



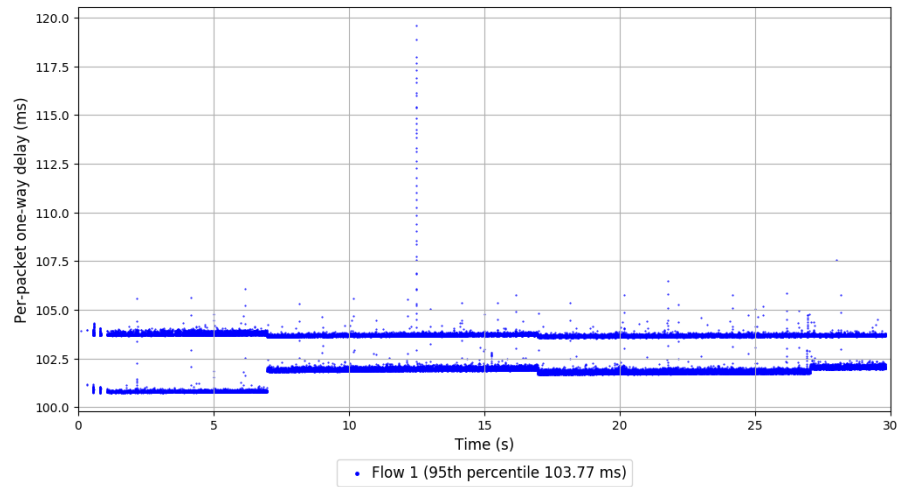
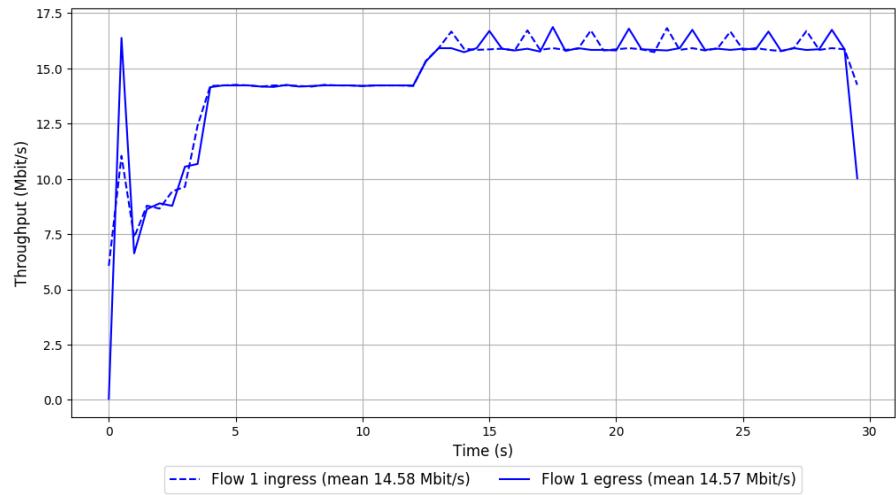
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 05:42:08
End at: 2018-04-17 05:42:38

# Below is generated by plot.py at 2018-04-17 10:39:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 103.774 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 103.774 ms
Loss rate: 0.82%
```



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

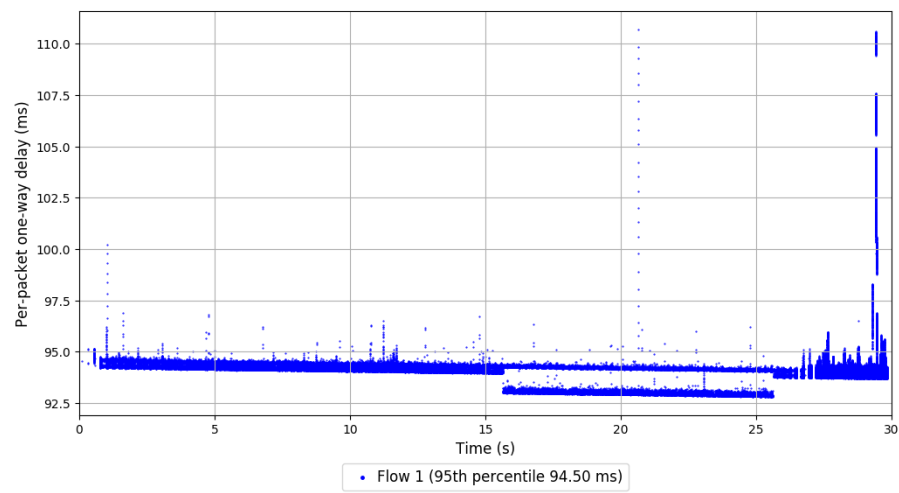
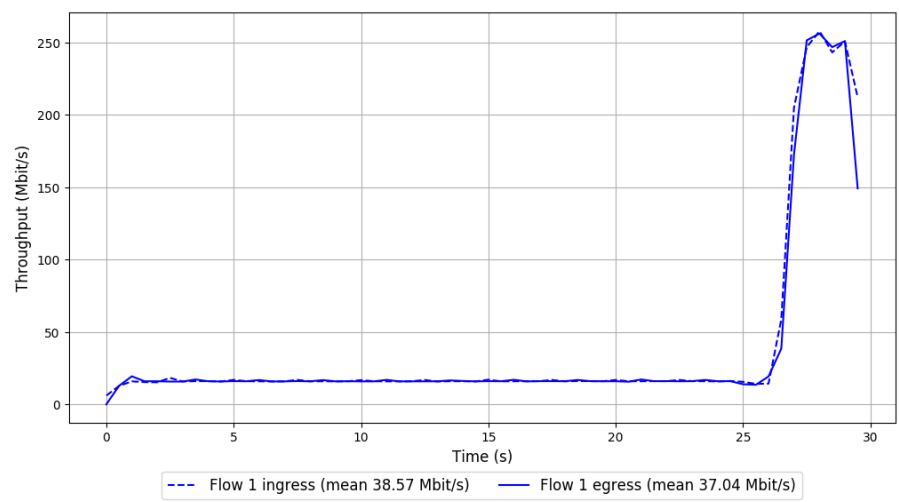


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 05:56:00
End at: 2018-04-17 05:56:30

# Below is generated by plot.py at 2018-04-17 10:39:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 94.501 ms
Loss rate: 4.69%
-- Flow 1:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 94.501 ms
Loss rate: 4.69%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 06:09:58

End at: 2018-04-17 06:10:28

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 98.382 ms

Loss rate: 0.89%

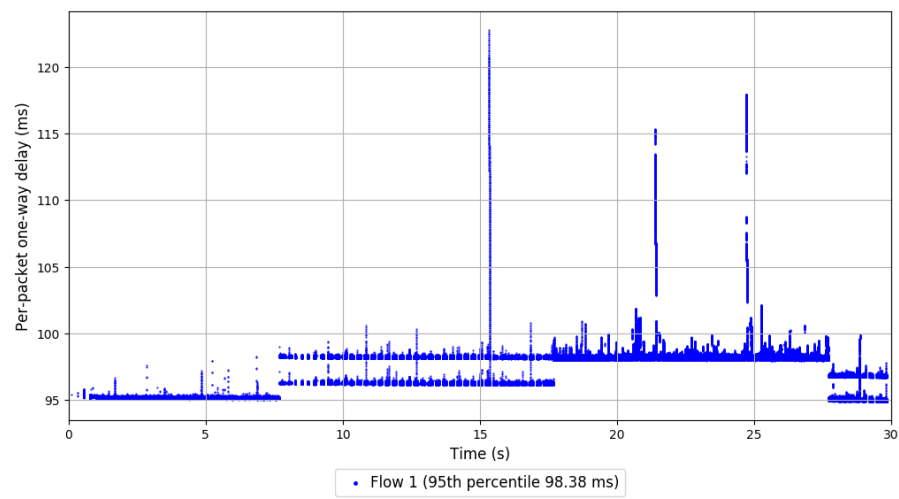
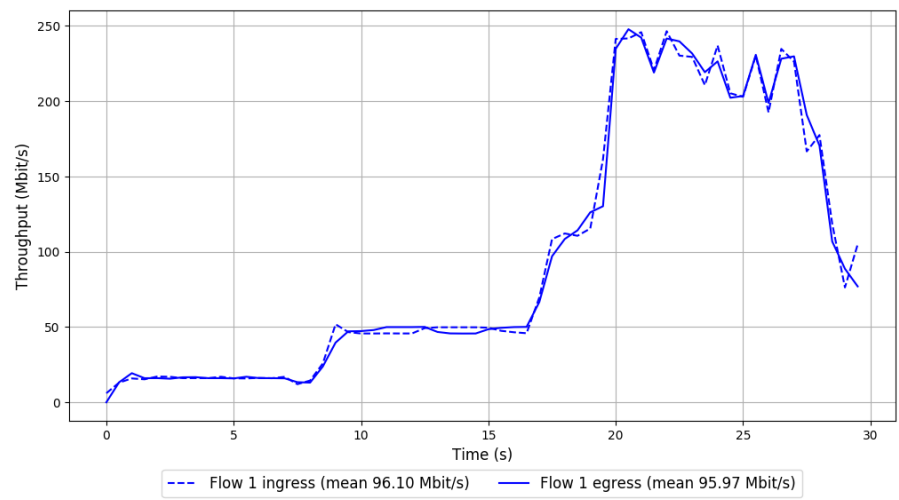
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 98.382 ms

Loss rate: 0.89%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 06:23:50

End at: 2018-04-17 06:24:20

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.13 Mbit/s

95th percentile per-packet one-way delay: 89.314 ms

Loss rate: 0.74%

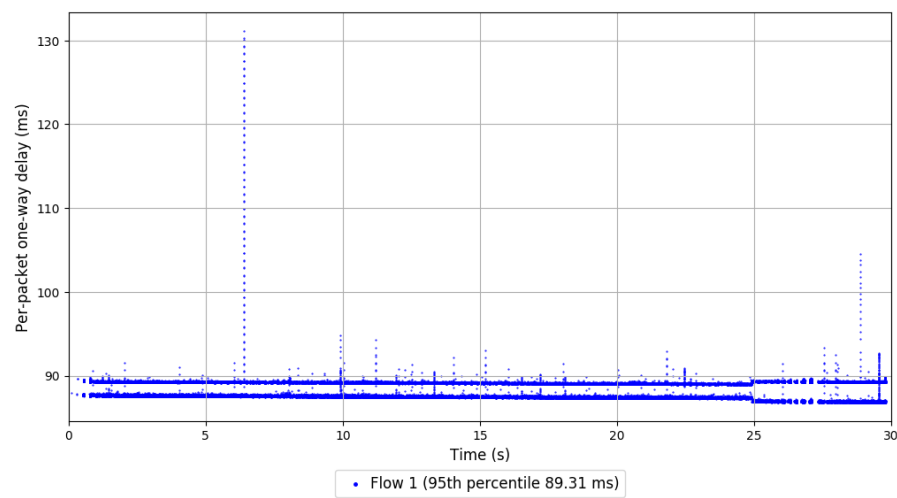
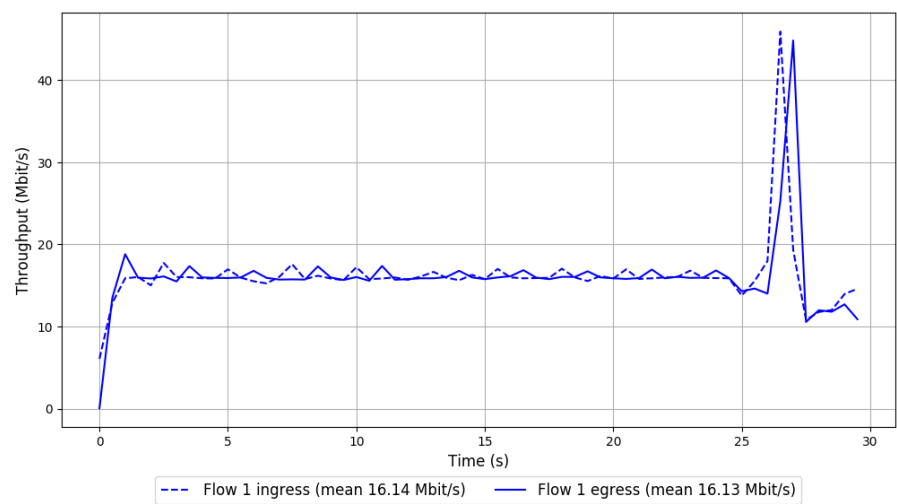
-- Flow 1:

Average throughput: 16.13 Mbit/s

95th percentile per-packet one-way delay: 89.314 ms

Loss rate: 0.74%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 06:37:39

End at: 2018-04-17 06:38:09

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.39 Mbit/s

95th percentile per-packet one-way delay: 98.441 ms

Loss rate: 2.59%

-- Flow 1:

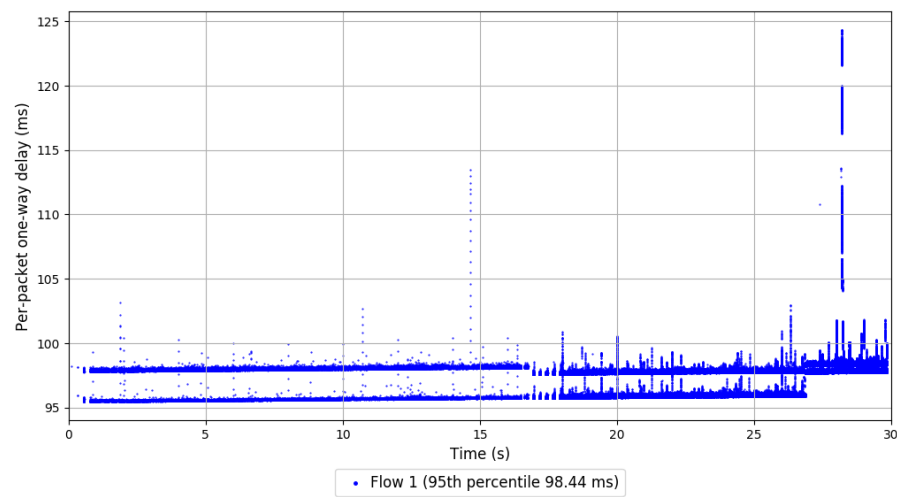
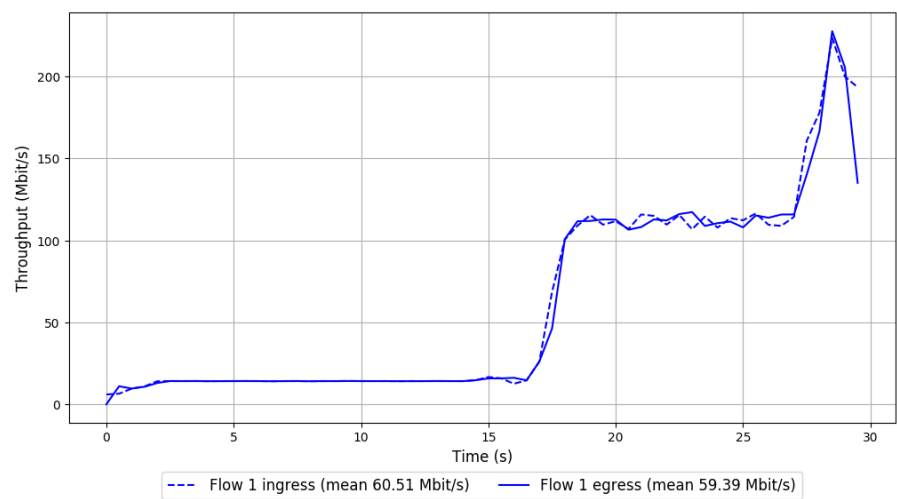
Average throughput: 59.39 Mbit/s

95th percentile per-packet one-way delay: 98.441 ms

Loss rate: 2.59%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 06:51:34

End at: 2018-04-17 06:52:04

# Below is generated by plot.py at 2018-04-17 10:39:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 20.88 Mbit/s

95th percentile per-packet one-way delay: 101.159 ms

Loss rate: 0.59%

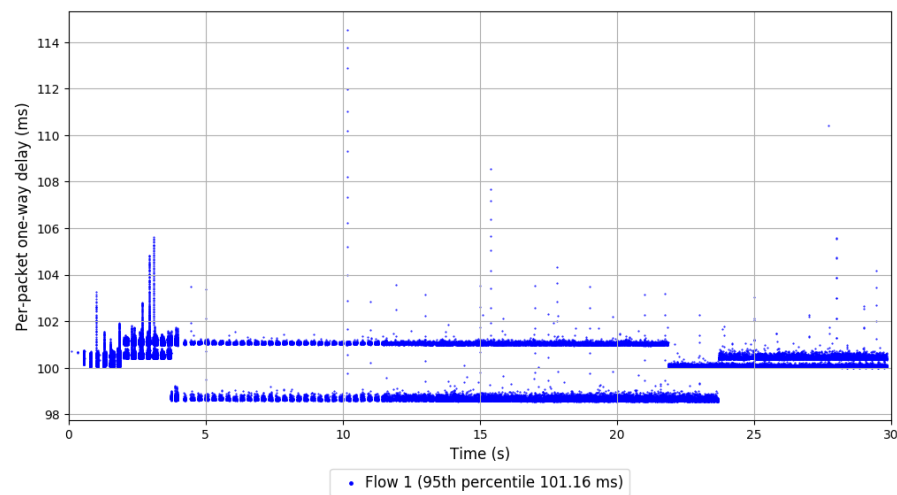
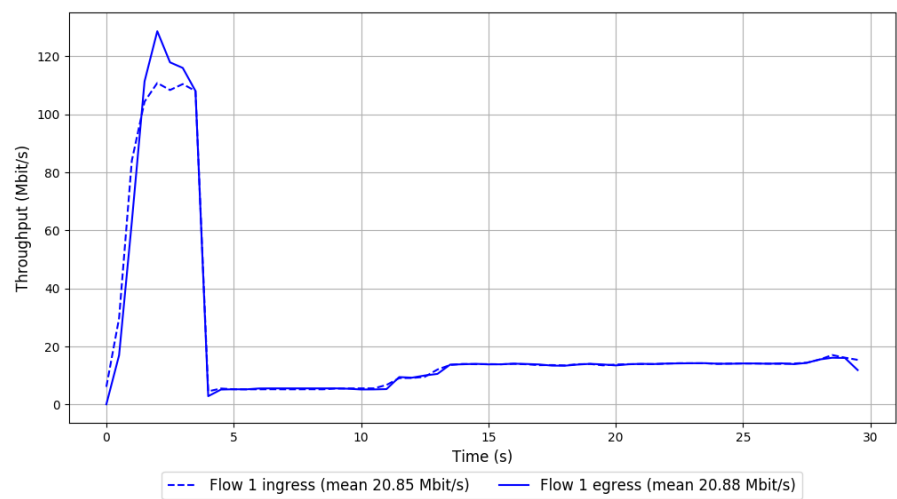
-- Flow 1:

Average throughput: 20.88 Mbit/s

95th percentile per-packet one-way delay: 101.159 ms

Loss rate: 0.59%

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

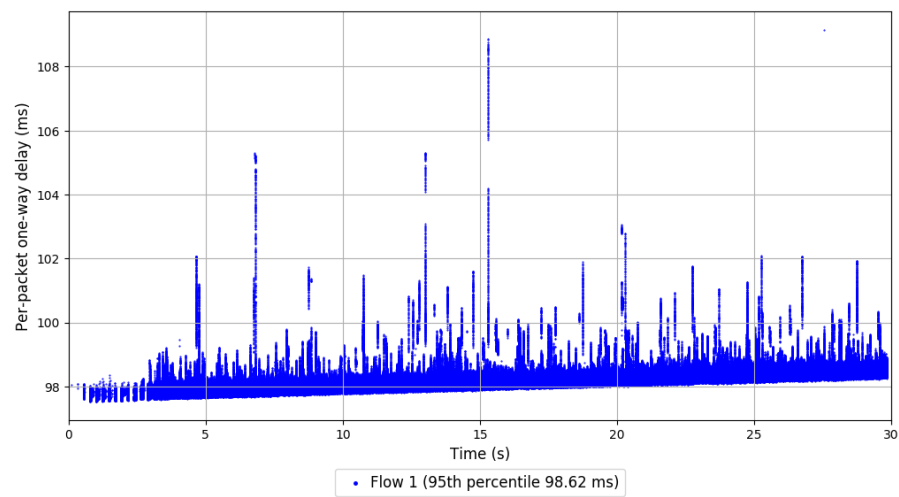
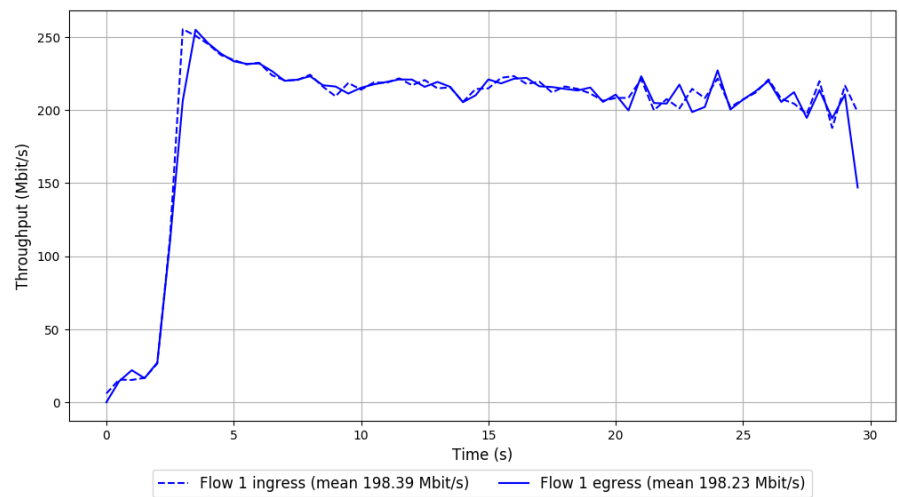


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 07:05:26
End at: 2018-04-17 07:05:56

# Below is generated by plot.py at 2018-04-17 10:41:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.23 Mbit/s
95th percentile per-packet one-way delay: 98.620 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 198.23 Mbit/s
95th percentile per-packet one-way delay: 98.620 ms
Loss rate: 0.82%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 07:19:31

End at: 2018-04-17 07:20:01

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 134.70 Mbit/s

95th percentile per-packet one-way delay: 108.225 ms

Loss rate: 1.06%

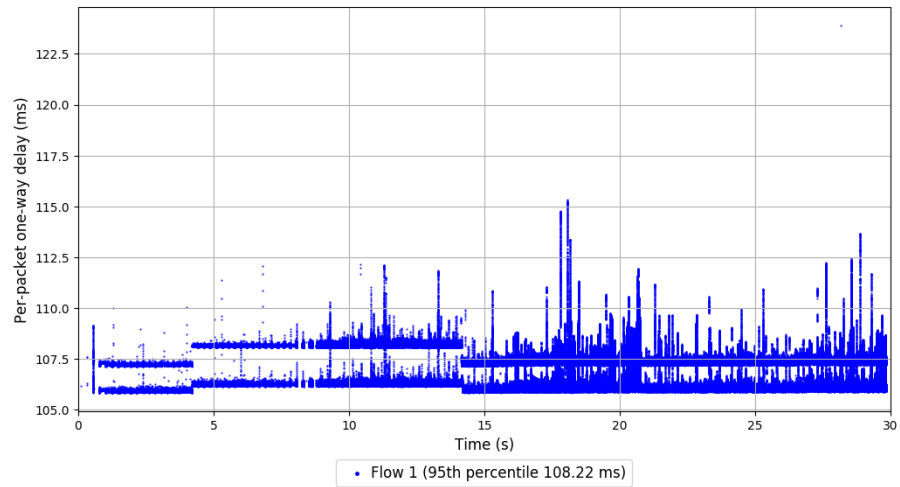
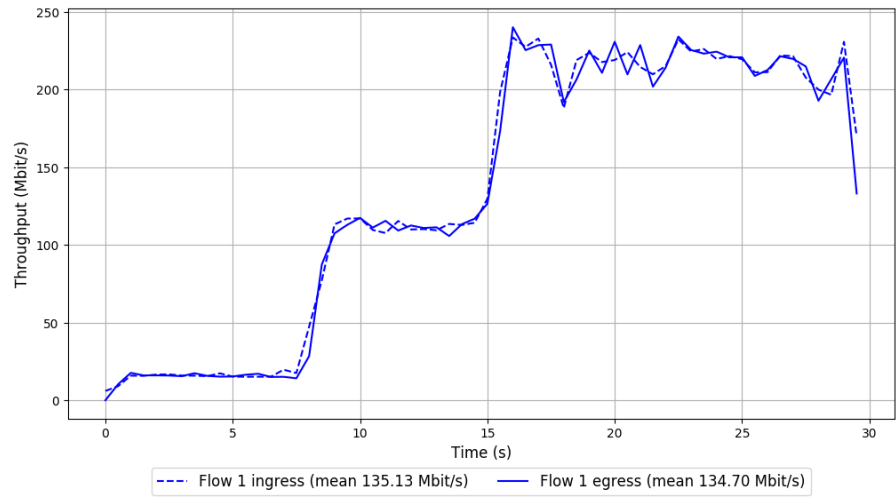
-- Flow 1:

Average throughput: 134.70 Mbit/s

95th percentile per-packet one-way delay: 108.225 ms

Loss rate: 1.06%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 07:33:49

End at: 2018-04-17 07:34:19

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 108.85 Mbit/s

95th percentile per-packet one-way delay: 108.587 ms

Loss rate: 1.02%

-- Flow 1:

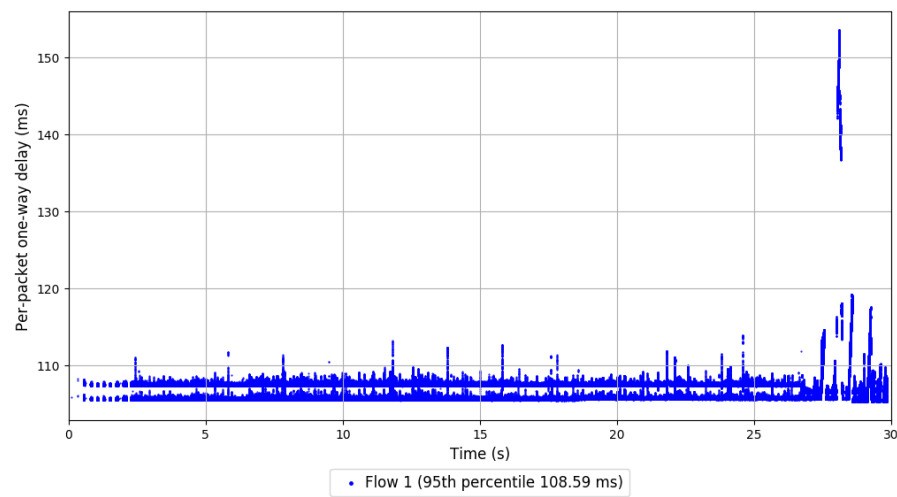
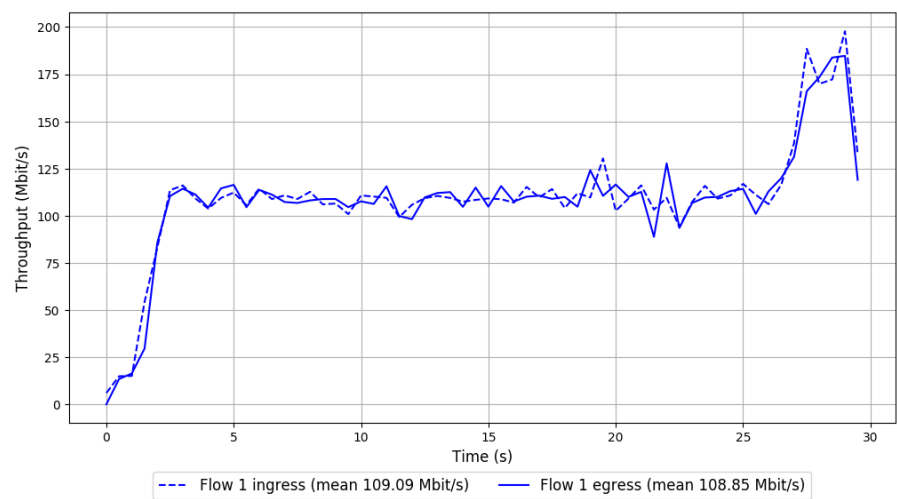
Average throughput: 108.85 Mbit/s

95th percentile per-packet one-way delay: 108.587 ms

Loss rate: 1.02%



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

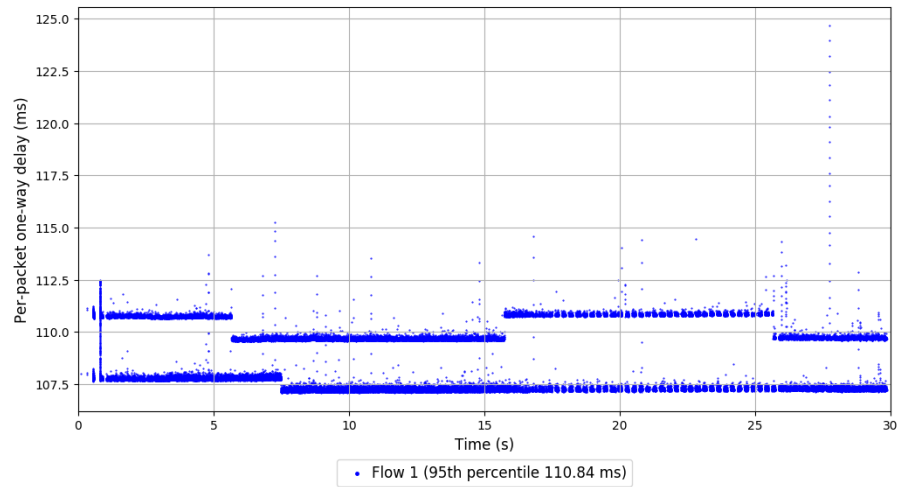
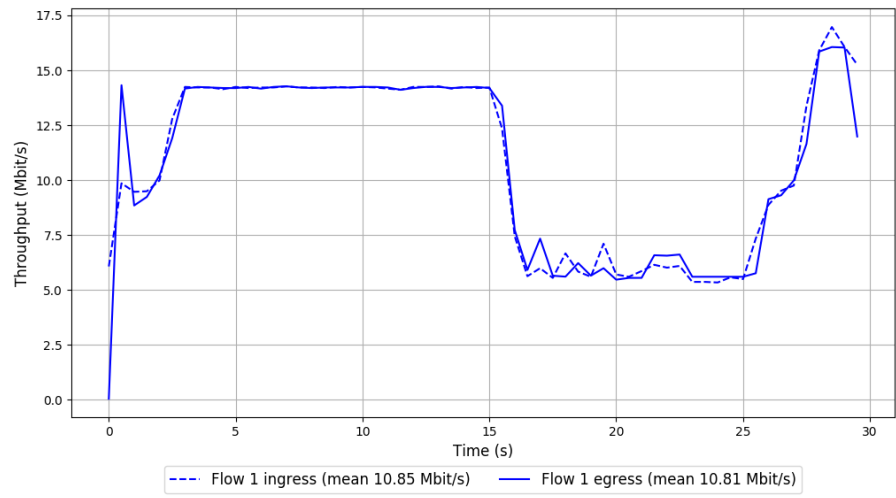


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 07:47:50
End at: 2018-04-17 07:48:20

# Below is generated by plot.py at 2018-04-17 10:41:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 110.844 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 110.844 ms
Loss rate: 1.12%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 05:34:31

End at: 2018-04-17 05:35:01

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.92 Mbit/s

95th percentile per-packet one-way delay: 110.274 ms

Loss rate: 0.76%

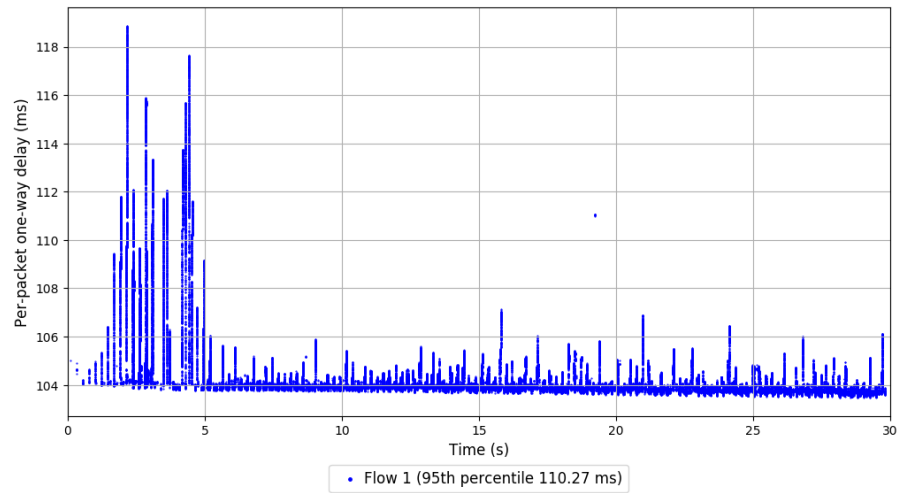
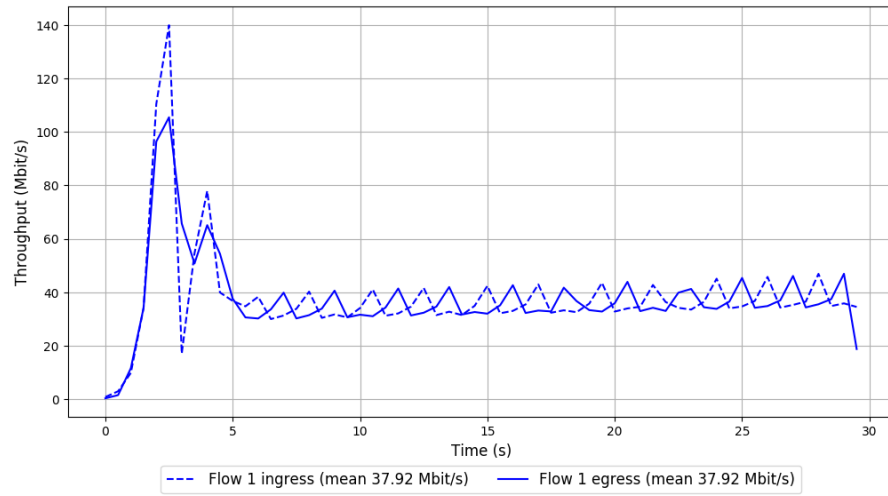
-- Flow 1:

Average throughput: 37.92 Mbit/s

95th percentile per-packet one-way delay: 110.274 ms

Loss rate: 0.76%

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



Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 05:48:15

End at: 2018-04-17 05:48:45

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.88 Mbit/s

95th percentile per-packet one-way delay: 104.538 ms

Loss rate: 0.77%

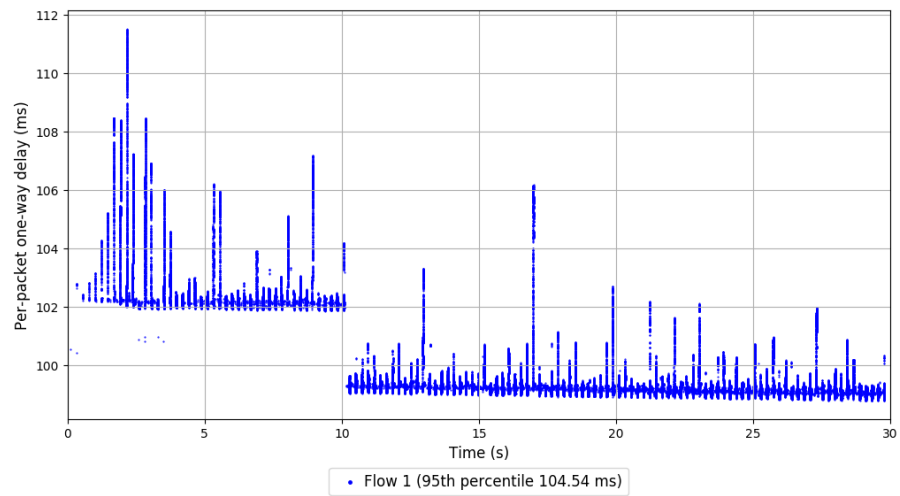
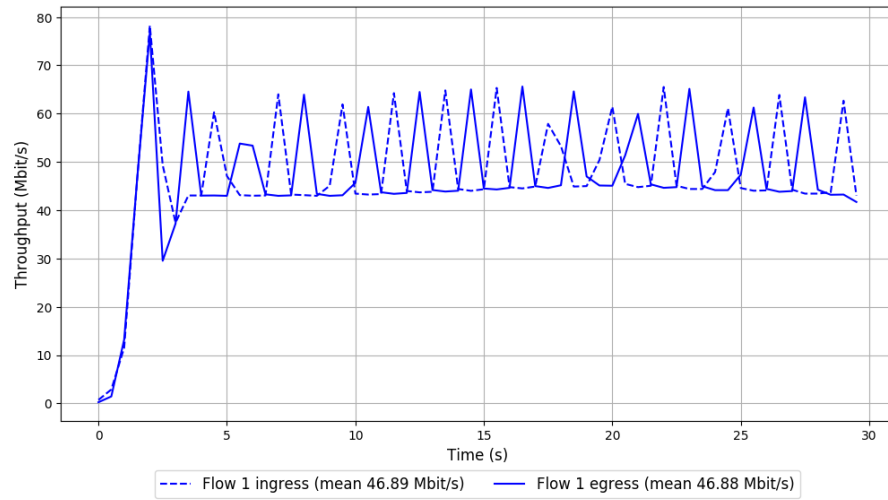
-- Flow 1:

Average throughput: 46.88 Mbit/s

95th percentile per-packet one-way delay: 104.538 ms

Loss rate: 0.77%

## Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 06:02:13

End at: 2018-04-17 06:02:43

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.21 Mbit/s

95th percentile per-packet one-way delay: 99.836 ms

Loss rate: 0.78%

-- Flow 1:

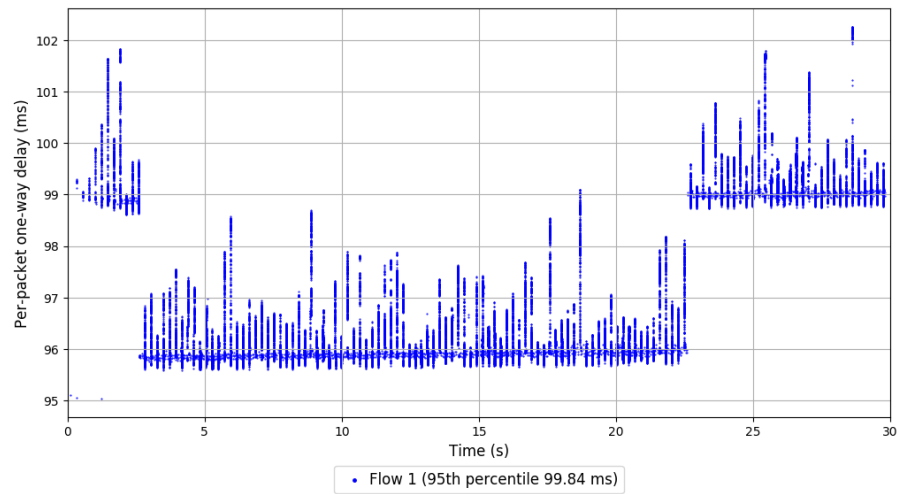
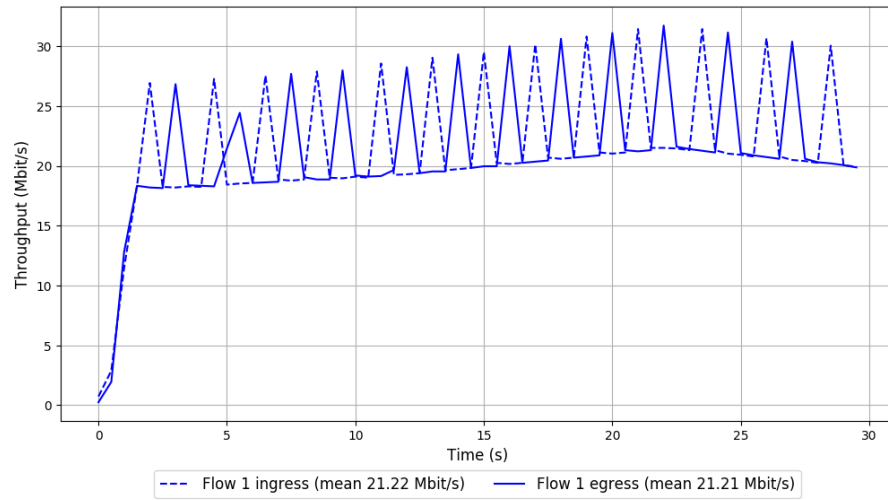
Average throughput: 21.21 Mbit/s

95th percentile per-packet one-way delay: 99.836 ms

Loss rate: 0.78%



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



Run 4: Statistics of TCP Vegas

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

End at: 2018-04-17 06:16:34

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 96.414 ms

Loss rate: 0.84%

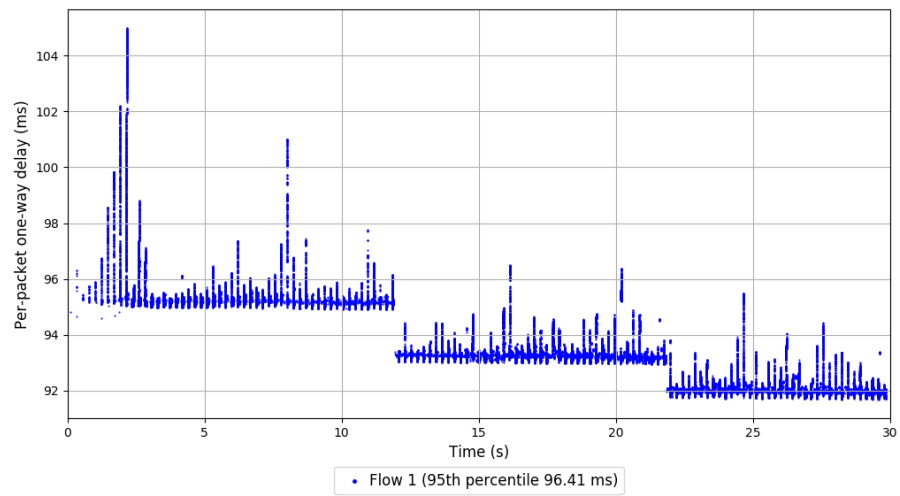
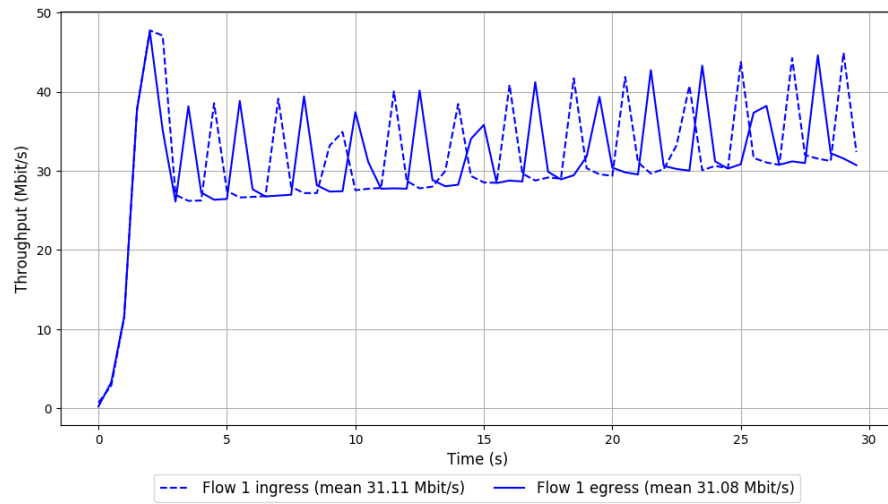
-- Flow 1:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 96.414 ms

Loss rate: 0.84%

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



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 06:29:56

End at: 2018-04-17 06:30:26

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 89.617 ms

Loss rate: 0.81%

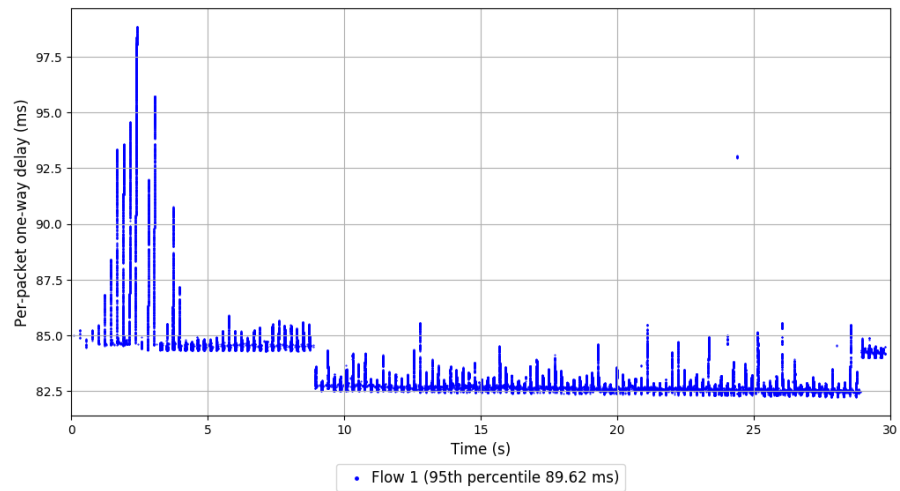
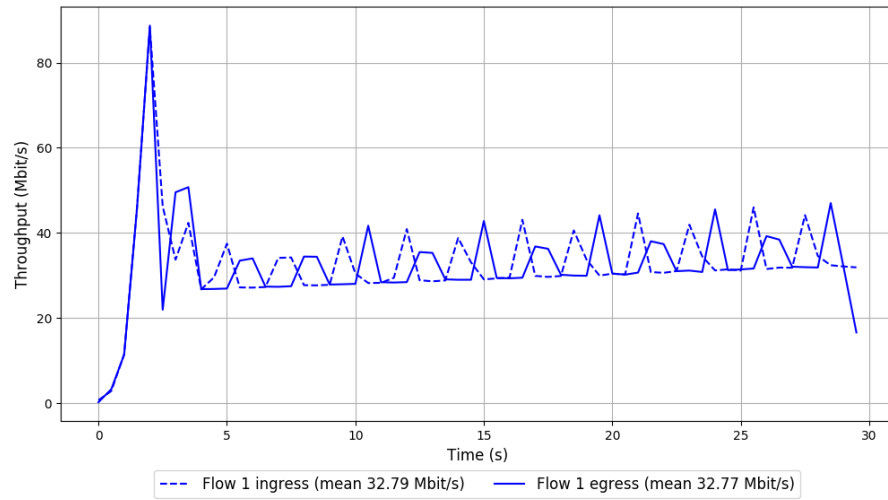
-- Flow 1:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 89.617 ms

Loss rate: 0.81%

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



Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 06:43:46

End at: 2018-04-17 06:44:16

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 105.588 ms

Loss rate: 0.79%

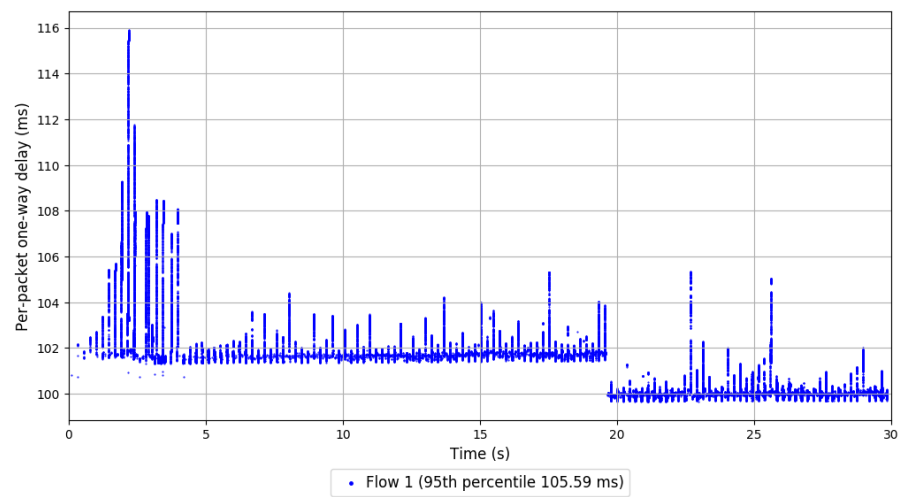
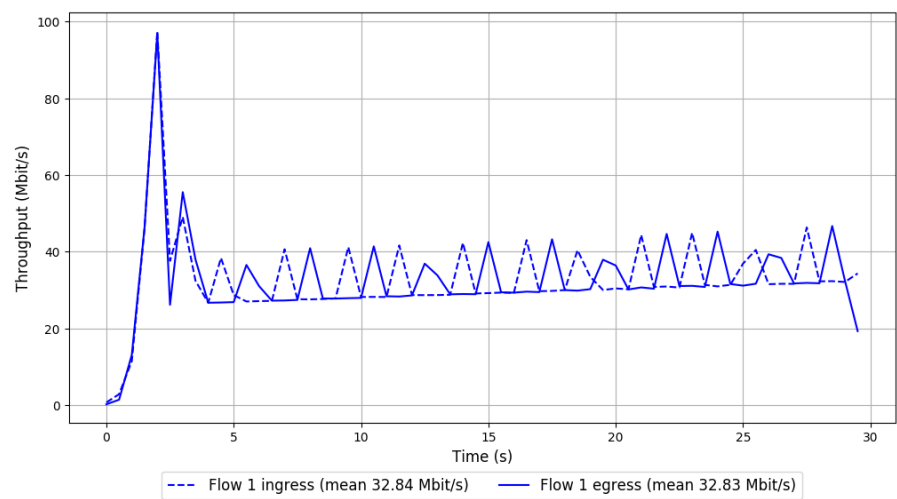
-- Flow 1:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 105.588 ms

Loss rate: 0.79%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 06:57:39

End at: 2018-04-17 06:58:09

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.68 Mbit/s

95th percentile per-packet one-way delay: 102.313 ms

Loss rate: 0.78%

-- Flow 1:

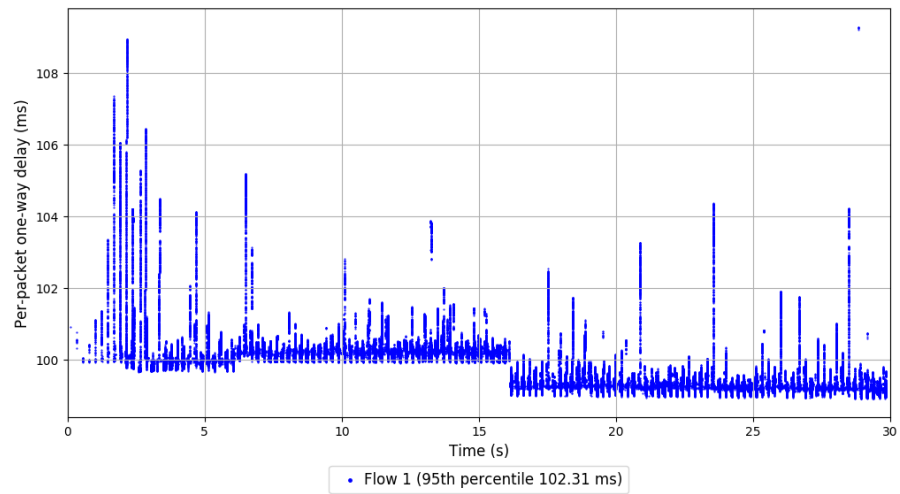
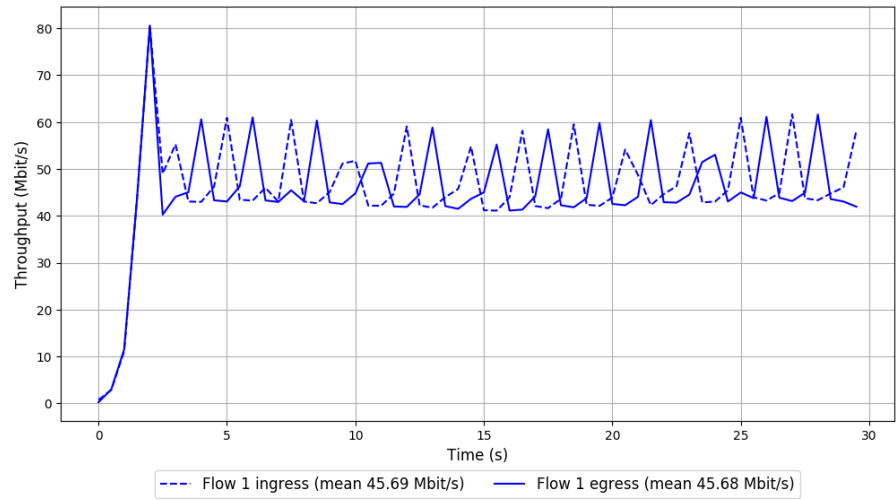
Average throughput: 45.68 Mbit/s

95th percentile per-packet one-way delay: 102.313 ms

Loss rate: 0.78%



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



Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 07:11:50

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

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.32 Mbit/s

95th percentile per-packet one-way delay: 105.808 ms

Loss rate: 0.72%

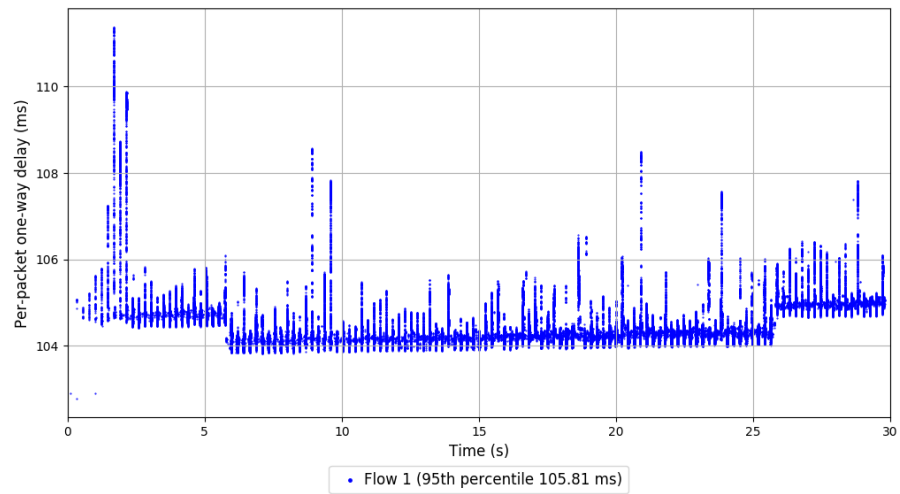
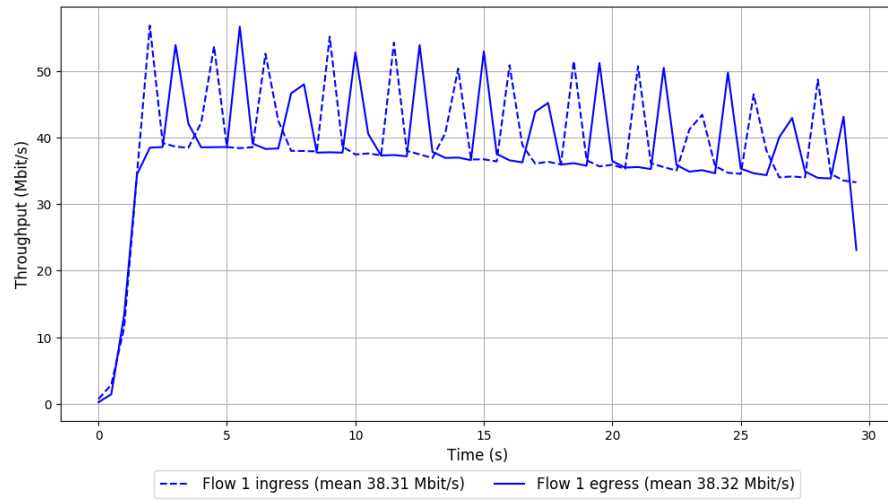
-- Flow 1:

Average throughput: 38.32 Mbit/s

95th percentile per-packet one-way delay: 105.808 ms

Loss rate: 0.72%

# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 07:25:59

End at: 2018-04-17 07:26:29

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.91 Mbit/s

95th percentile per-packet one-way delay: 115.737 ms

Loss rate: 0.77%

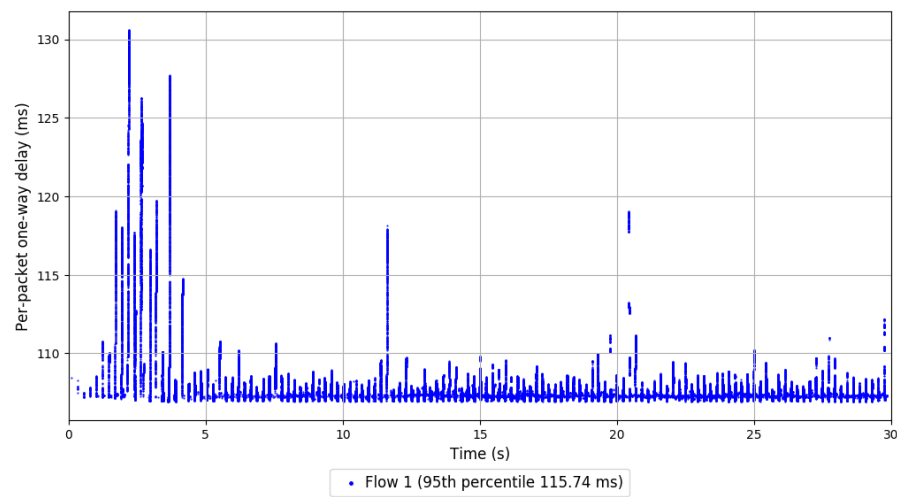
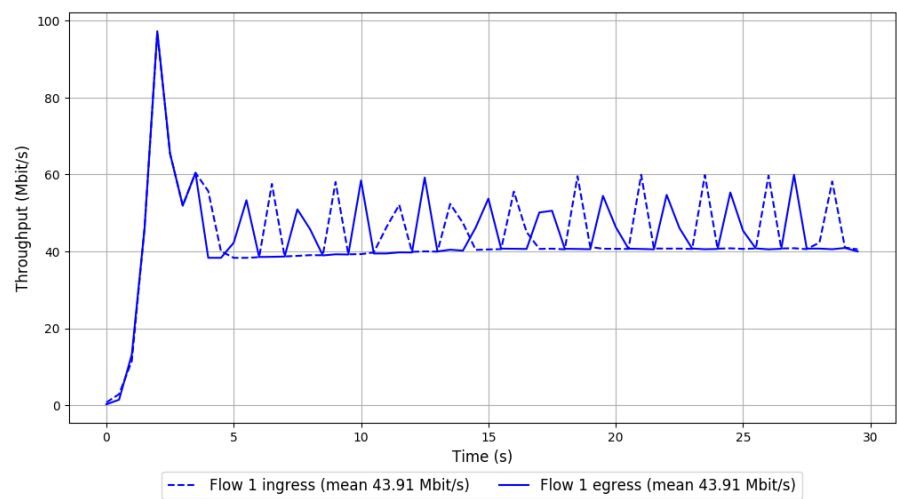
-- Flow 1:

Average throughput: 43.91 Mbit/s

95th percentile per-packet one-way delay: 115.737 ms

Loss rate: 0.77%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

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

End at: 2018-04-17 07:40:34

# Below is generated by plot.py at 2018-04-17 10:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 17.37 Mbit/s

95th percentile per-packet one-way delay: 109.632 ms

Loss rate: 0.83%

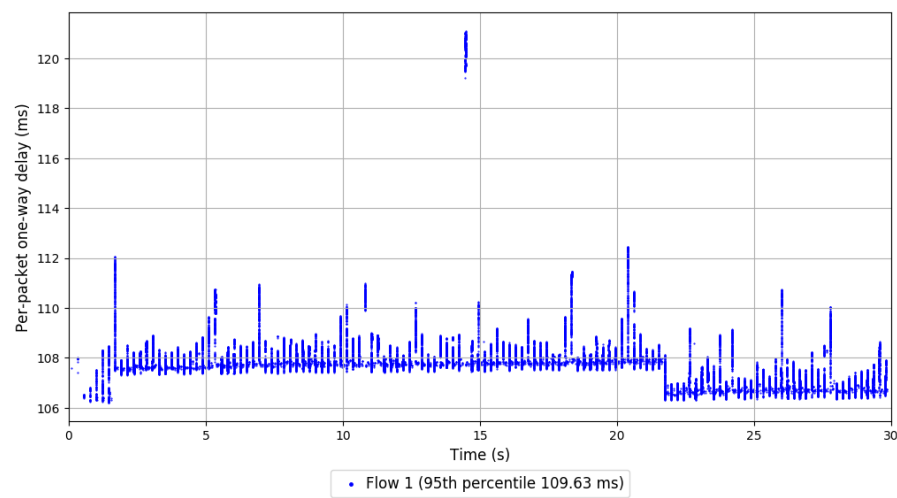
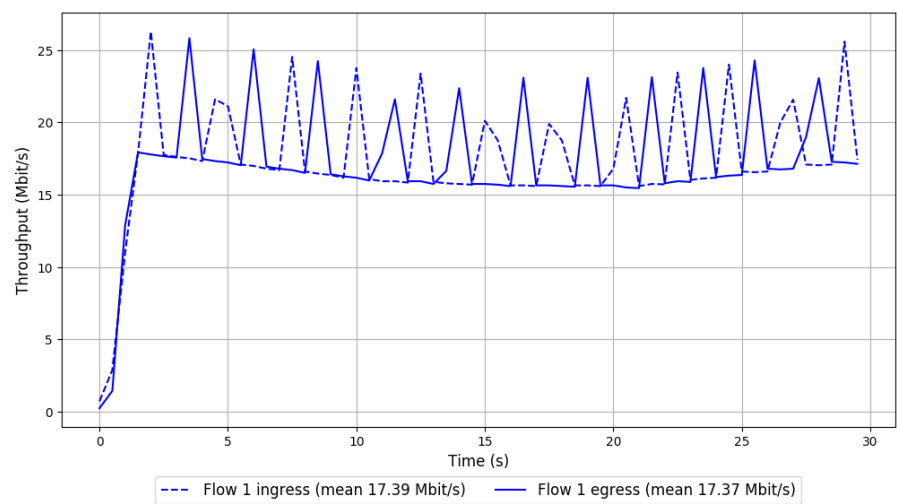
-- Flow 1:

Average throughput: 17.37 Mbit/s

95th percentile per-packet one-way delay: 109.632 ms

Loss rate: 0.83%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-17 05:42:51

End at: 2018-04-17 05:43:21

# Below is generated by plot.py at 2018-04-17 10:42:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 215.49 Mbit/s

95th percentile per-packet one-way delay: 121.782 ms

Loss rate: 1.04%

-- Flow 1:

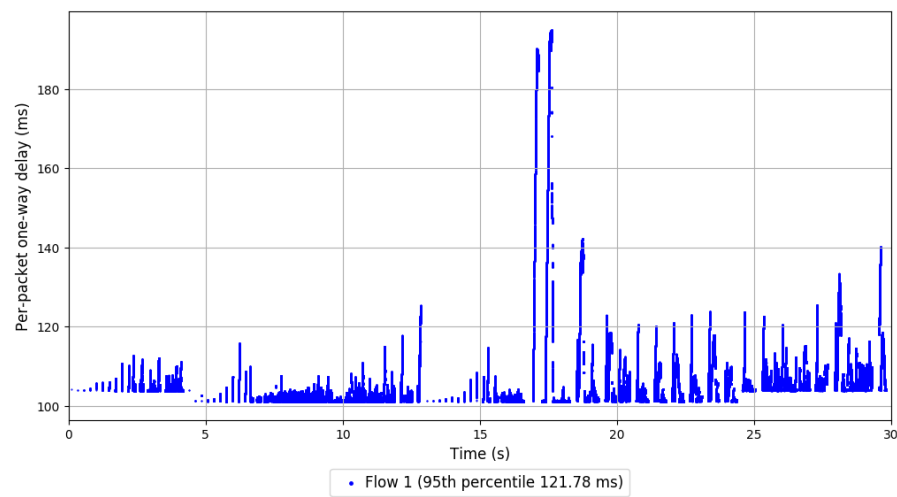
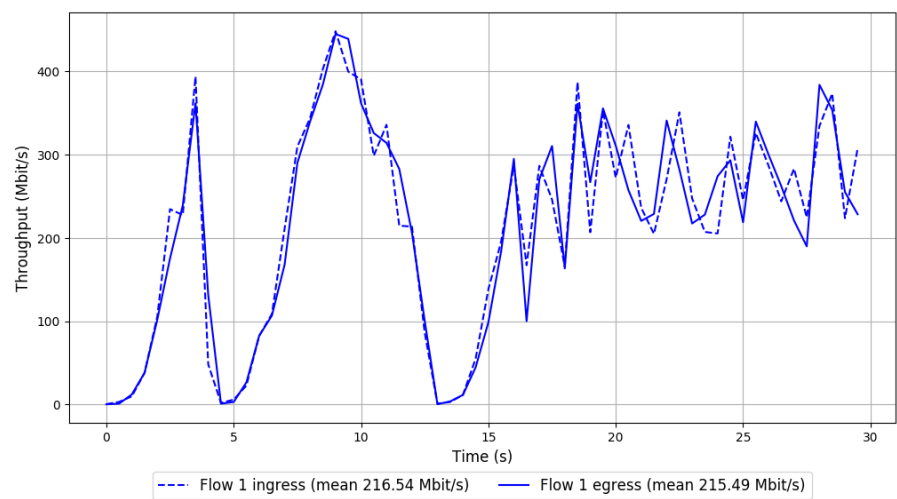
Average throughput: 215.49 Mbit/s

95th percentile per-packet one-way delay: 121.782 ms

Loss rate: 1.04%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-17 05:56:44

End at: 2018-04-17 05:57:14

# Below is generated by plot.py at 2018-04-17 10:43:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 248.87 Mbit/s

95th percentile per-packet one-way delay: 263.997 ms

Loss rate: 4.01%

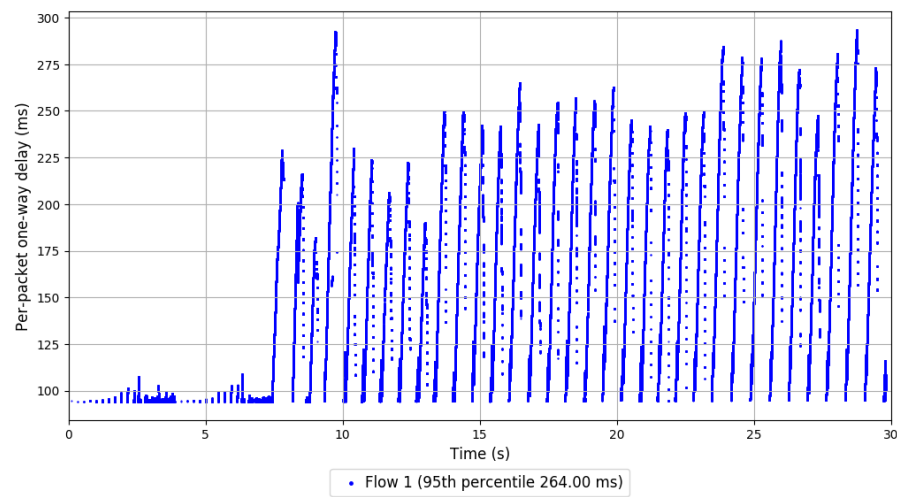
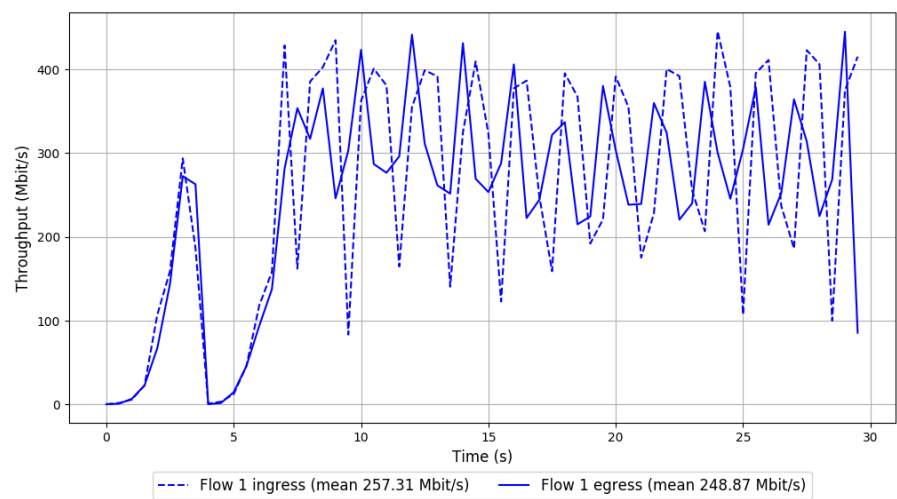
-- Flow 1:

Average throughput: 248.87 Mbit/s

95th percentile per-packet one-way delay: 263.997 ms

Loss rate: 4.01%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-17 06:10:48

End at: 2018-04-17 06:11:18

# Below is generated by plot.py at 2018-04-17 10:43:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 154.15 Mbit/s

95th percentile per-packet one-way delay: 217.859 ms

Loss rate: 0.29%

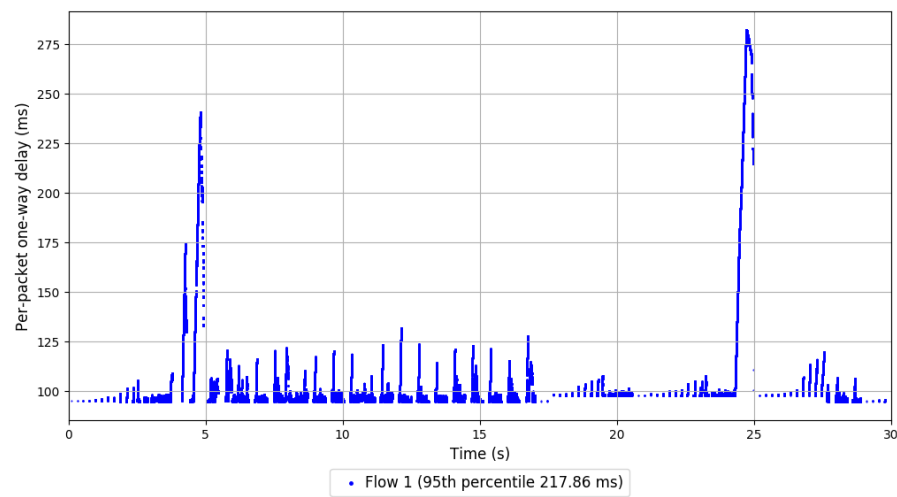
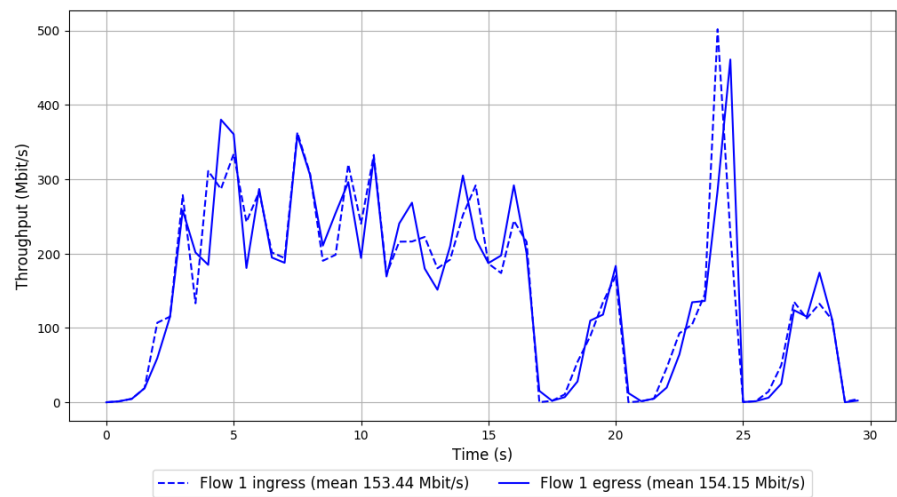
-- Flow 1:

Average throughput: 154.15 Mbit/s

95th percentile per-packet one-way delay: 217.859 ms

Loss rate: 0.29%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-17 06:24:33

End at: 2018-04-17 06:25:03

# Below is generated by plot.py at 2018-04-17 10:43:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 189.38 Mbit/s

95th percentile per-packet one-way delay: 170.553 ms

Loss rate: 1.75%

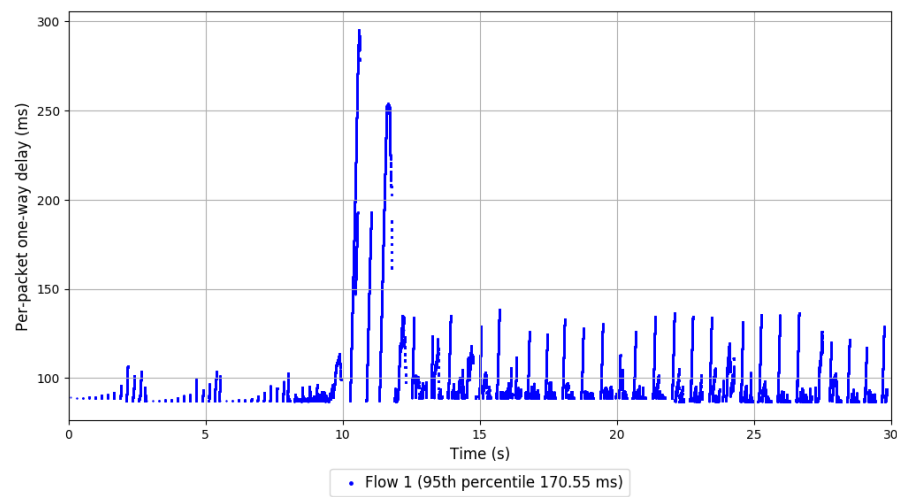
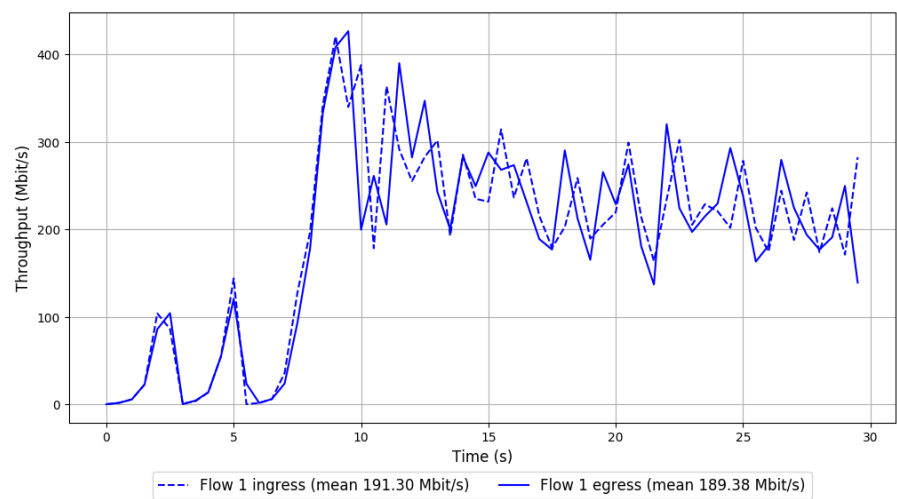
-- Flow 1:

Average throughput: 189.38 Mbit/s

95th percentile per-packet one-way delay: 170.553 ms

Loss rate: 1.75%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-17 06:38:25

End at: 2018-04-17 06:38:55

# Below is generated by plot.py at 2018-04-17 10:43:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 131.43 Mbit/s

95th percentile per-packet one-way delay: 151.626 ms

Loss rate: 2.29%

-- Flow 1:

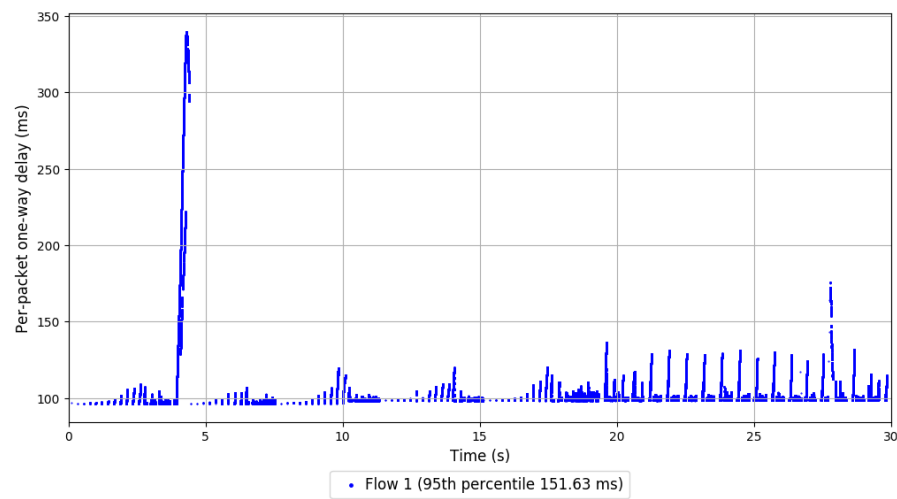
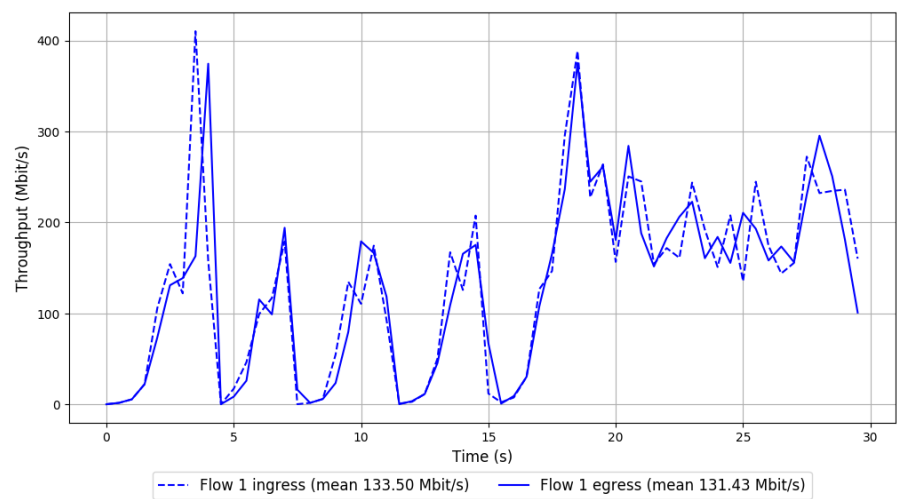
Average throughput: 131.43 Mbit/s

95th percentile per-packet one-way delay: 151.626 ms

Loss rate: 2.29%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

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

End at: 2018-04-17 06:52:47

# Below is generated by plot.py at 2018-04-17 10:43:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 171.74 Mbit/s

95th percentile per-packet one-way delay: 161.066 ms

Loss rate: 0.01%

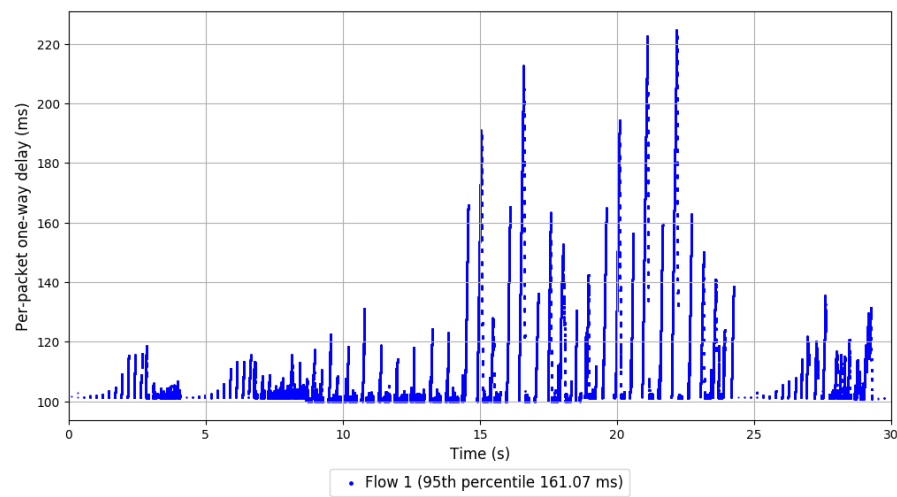
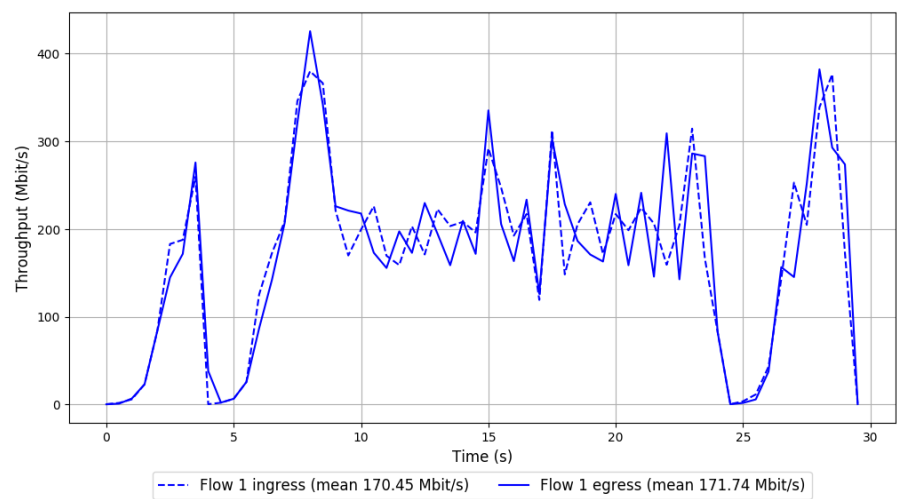
-- Flow 1:

Average throughput: 171.74 Mbit/s

95th percentile per-packet one-way delay: 161.066 ms

Loss rate: 0.01%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-17 07:06:26

End at: 2018-04-17 07:06:56

# Below is generated by plot.py at 2018-04-17 10:43:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 175.82 Mbit/s

95th percentile per-packet one-way delay: 129.466 ms

Loss rate: 1.07%

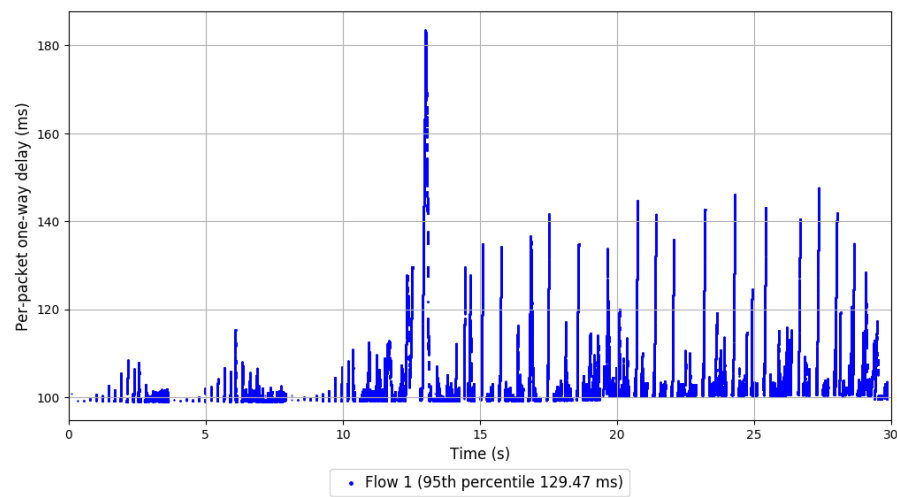
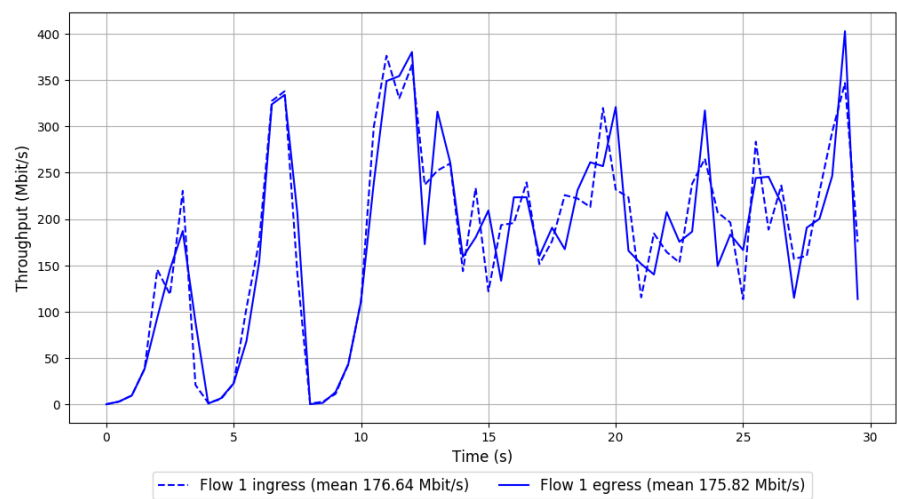
-- Flow 1:

Average throughput: 175.82 Mbit/s

95th percentile per-packet one-way delay: 129.466 ms

Loss rate: 1.07%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-17 07:20:25

End at: 2018-04-17 07:20:55

# Below is generated by plot.py at 2018-04-17 10:45:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 222.94 Mbit/s

95th percentile per-packet one-way delay: 226.678 ms

Loss rate: 2.06%

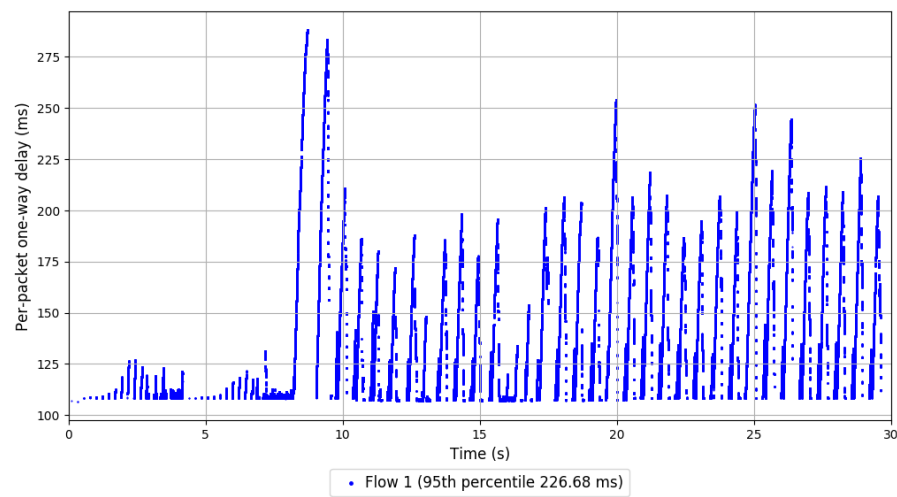
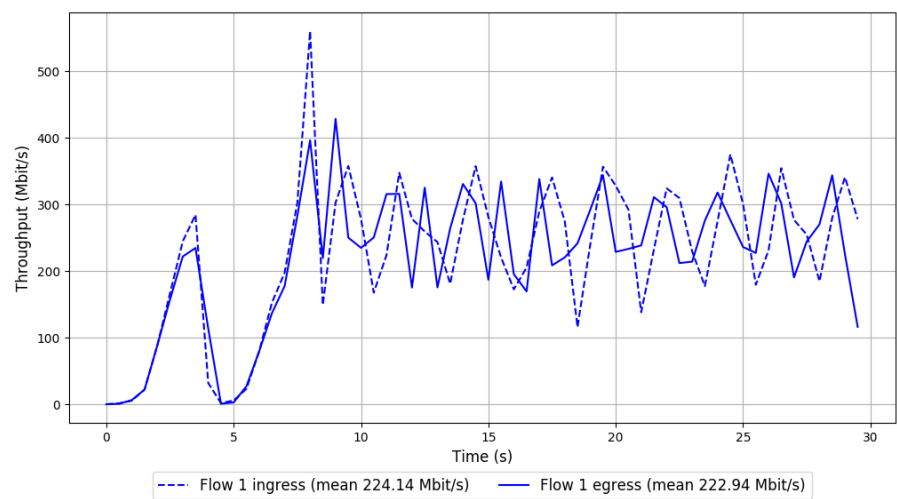
-- Flow 1:

Average throughput: 222.94 Mbit/s

95th percentile per-packet one-way delay: 226.678 ms

Loss rate: 2.06%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-04-17 07:34:42

End at: 2018-04-17 07:35:12

# Below is generated by plot.py at 2018-04-17 10:45:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 111.63 Mbit/s

95th percentile per-packet one-way delay: 193.776 ms

Loss rate: 2.42%

-- Flow 1:

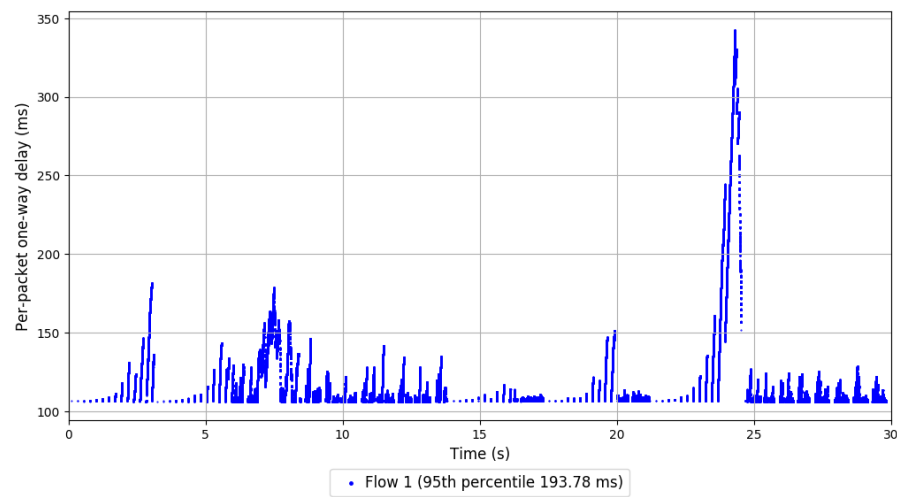
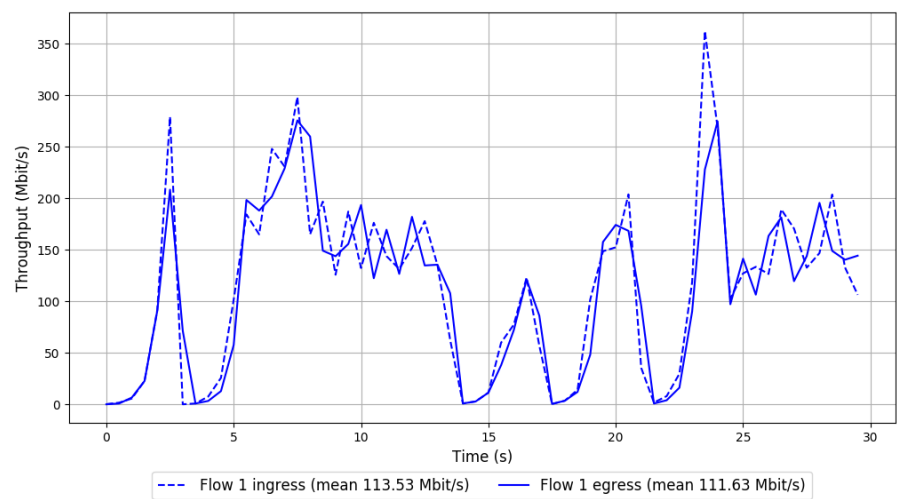
Average throughput: 111.63 Mbit/s

95th percentile per-packet one-way delay: 193.776 ms

Loss rate: 2.42%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-17 07:48:33

End at: 2018-04-17 07:49:03

# Below is generated by plot.py at 2018-04-17 10:45:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.24 Mbit/s

95th percentile per-packet one-way delay: 151.057 ms

Loss rate: 0.59%

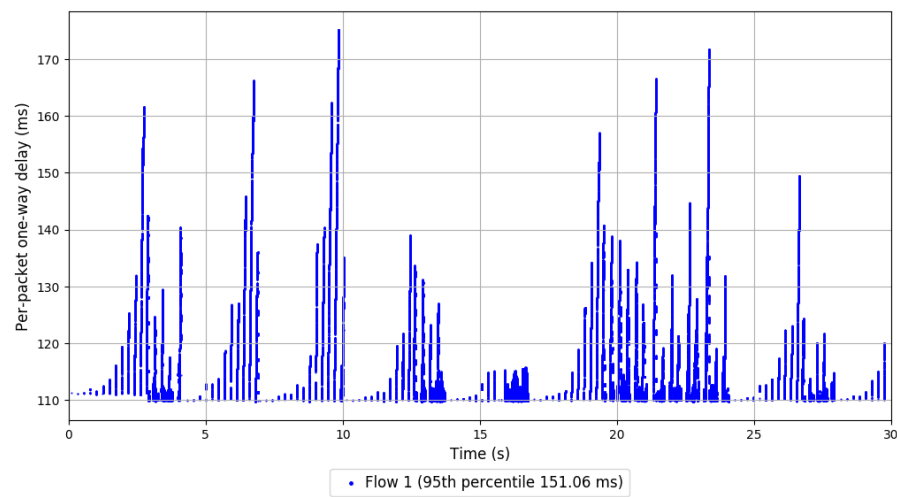
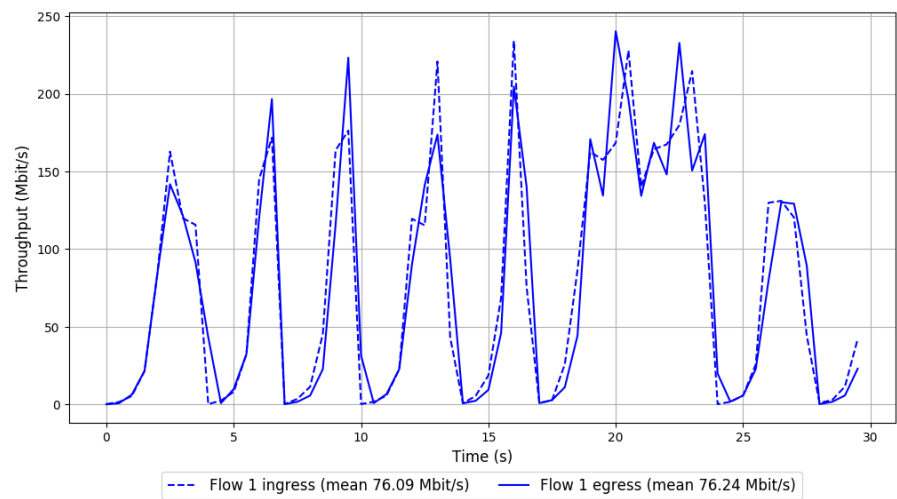
-- Flow 1:

Average throughput: 76.24 Mbit/s

95th percentile per-packet one-way delay: 151.057 ms

Loss rate: 0.59%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-17 05:45:38

End at: 2018-04-17 05:46:08

# Below is generated by plot.py at 2018-04-17 10:45:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 101.661 ms

Loss rate: 0.09%

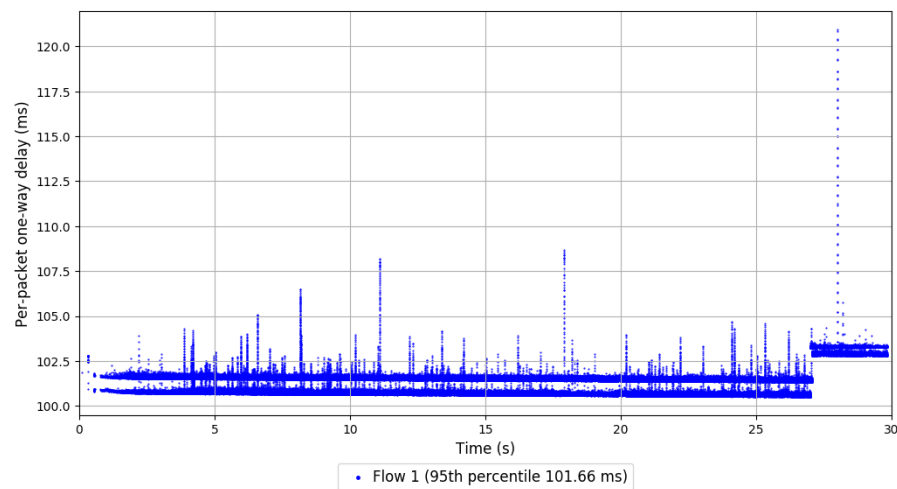
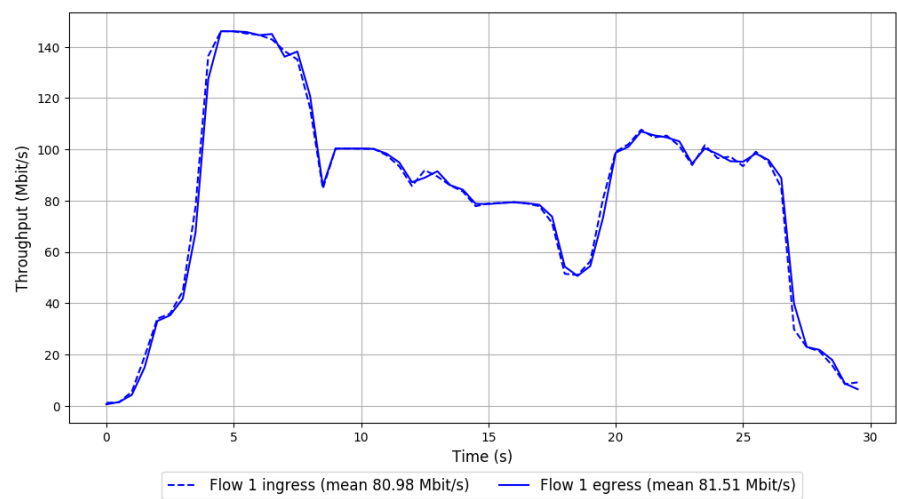
-- Flow 1:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 101.661 ms

Loss rate: 0.09%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-17 05:59:35

End at: 2018-04-17 06:00:05

# Below is generated by plot.py at 2018-04-17 10:45:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.86 Mbit/s

95th percentile per-packet one-way delay: 97.456 ms

Loss rate: 0.87%

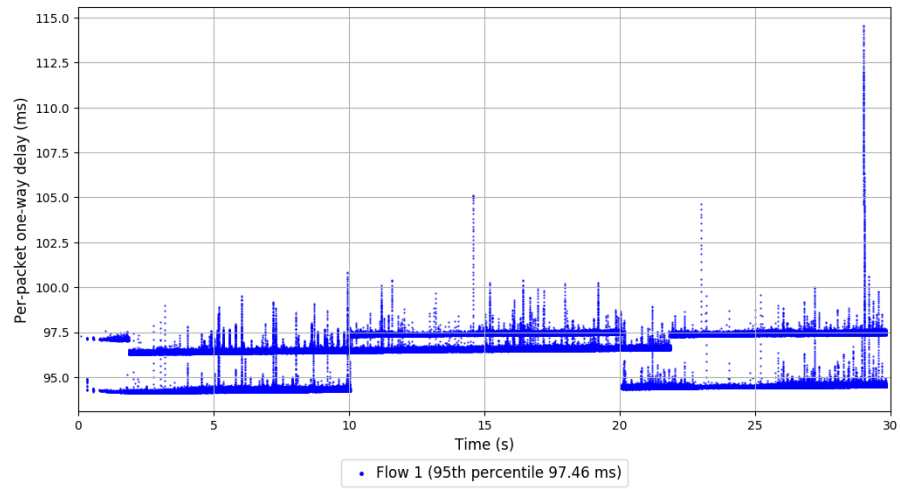
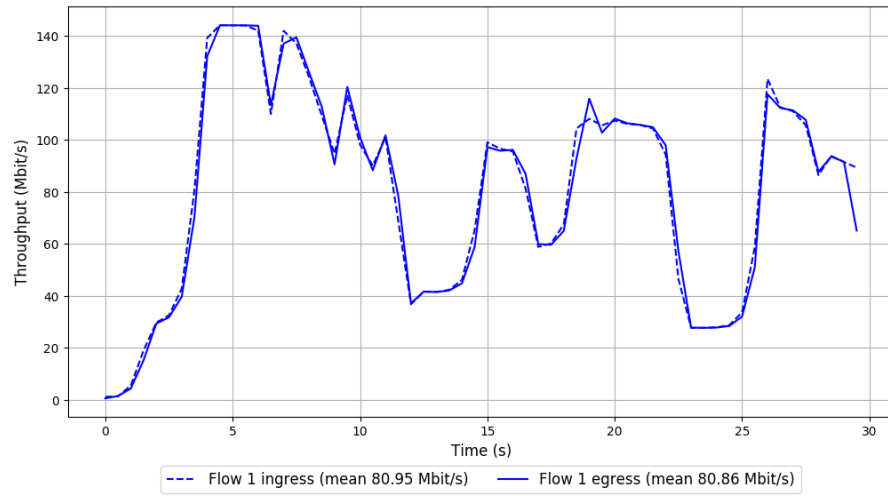
-- Flow 1:

Average throughput: 80.86 Mbit/s

95th percentile per-packet one-way delay: 97.456 ms

Loss rate: 0.87%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-17 06:13:26

End at: 2018-04-17 06:13:56

# Below is generated by plot.py at 2018-04-17 10:45:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 96.405 ms

Loss rate: 0.56%

-- Flow 1:

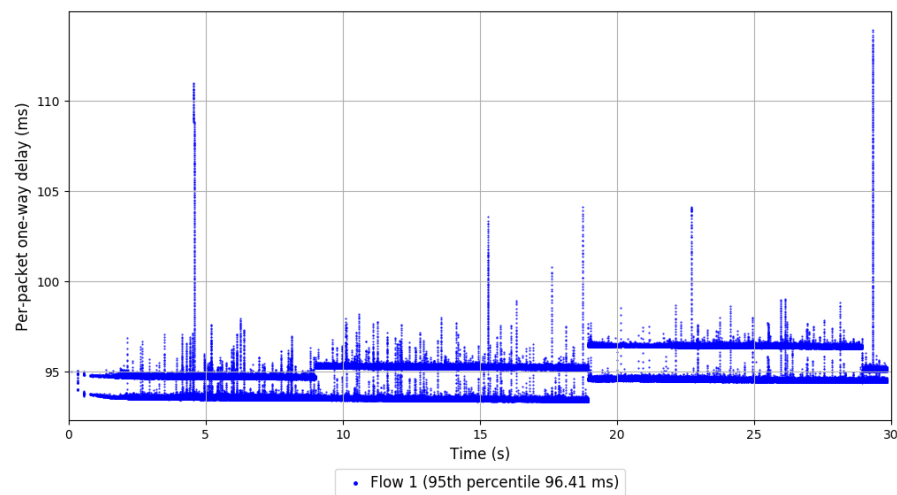
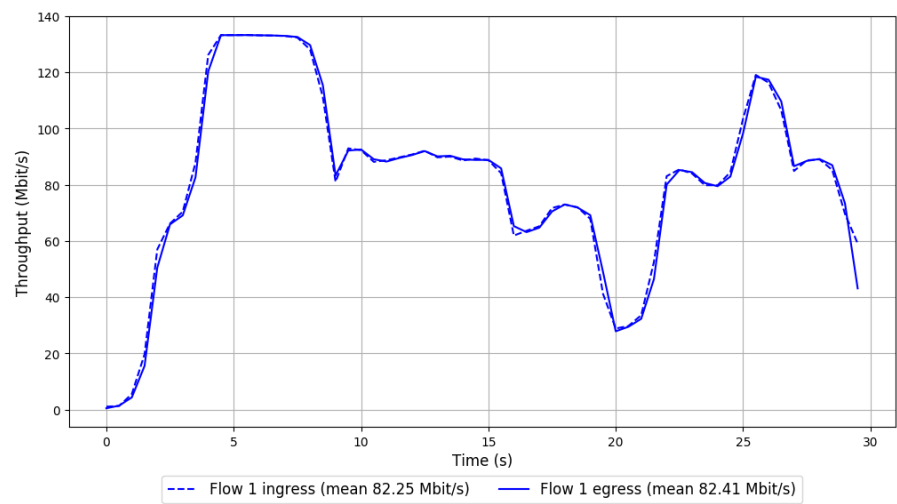
Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 96.405 ms

Loss rate: 0.56%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-17 06:27:20

End at: 2018-04-17 06:27:50

# Below is generated by plot.py at 2018-04-17 10:45:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.91 Mbit/s

95th percentile per-packet one-way delay: 86.556 ms

Loss rate: 0.64%

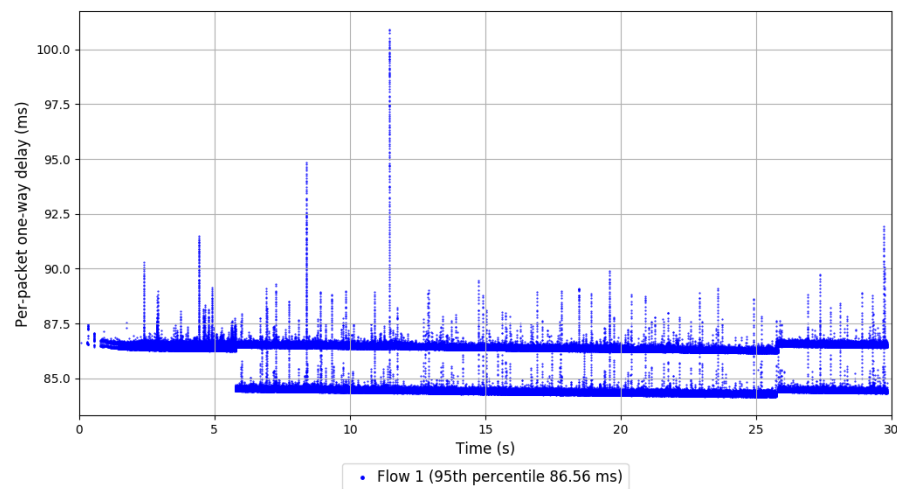
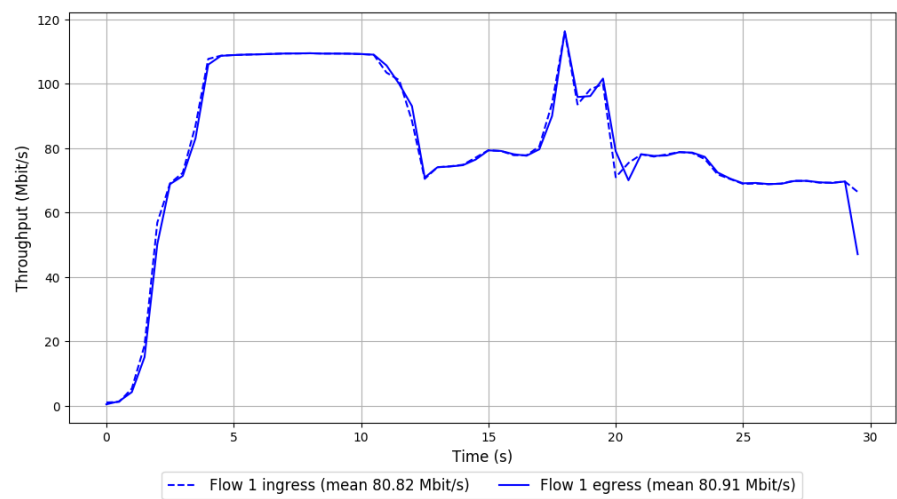
-- Flow 1:

Average throughput: 80.91 Mbit/s

95th percentile per-packet one-way delay: 86.556 ms

Loss rate: 0.64%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-17 06:41:08

End at: 2018-04-17 06:41:38

# Below is generated by plot.py at 2018-04-17 10:45:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 100.449 ms

Loss rate: 0.42%

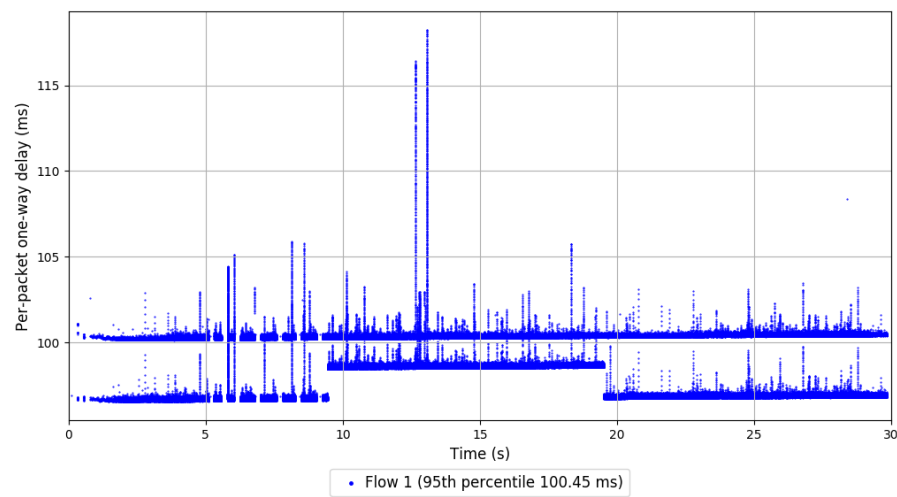
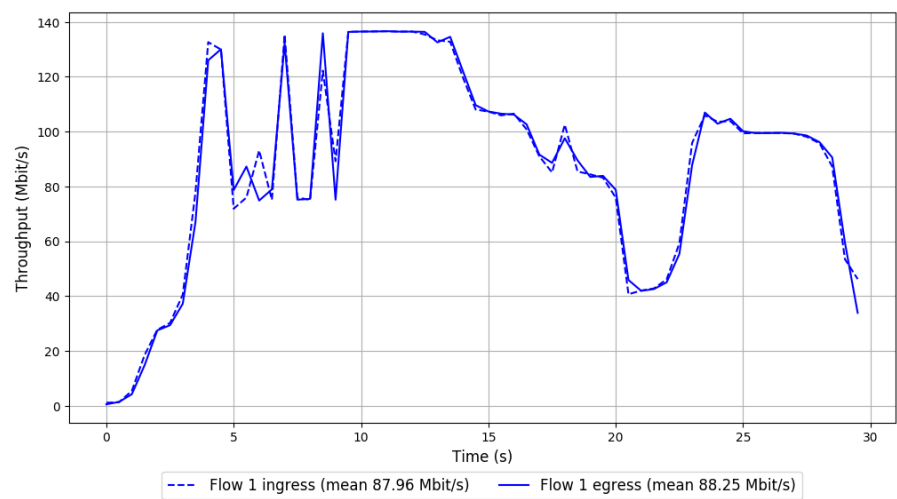
-- Flow 1:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 100.449 ms

Loss rate: 0.42%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-17 06:55:02

End at: 2018-04-17 06:55:32

# Below is generated by plot.py at 2018-04-17 10:46:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.24 Mbit/s

95th percentile per-packet one-way delay: 101.922 ms

Loss rate: 0.51%

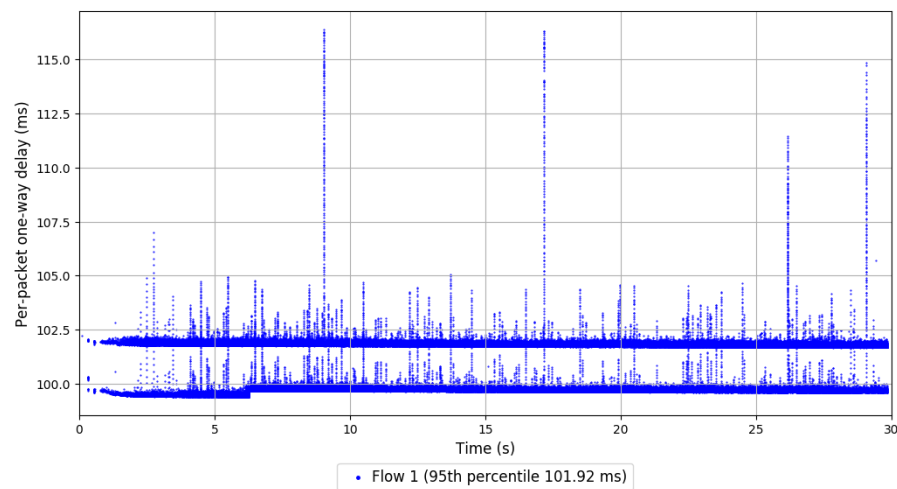
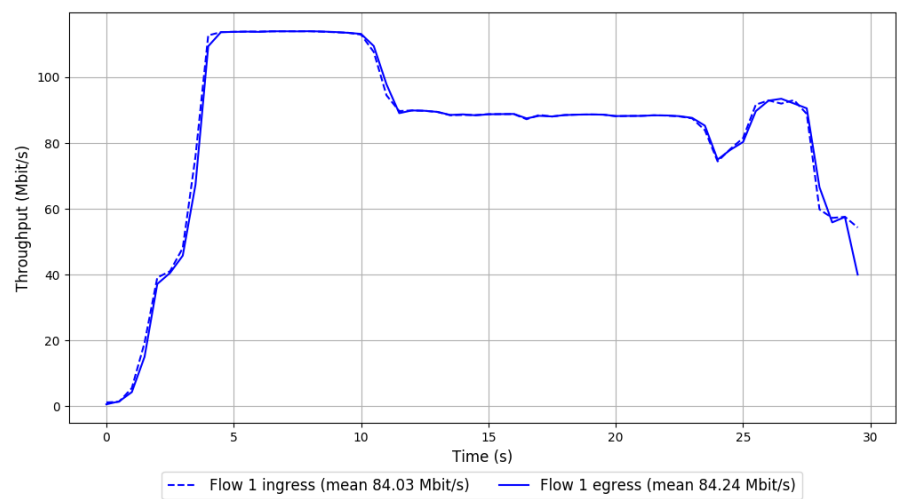
-- Flow 1:

Average throughput: 84.24 Mbit/s

95th percentile per-packet one-way delay: 101.922 ms

Loss rate: 0.51%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-17 07:09:13

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

# Below is generated by plot.py at 2018-04-17 10:46:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 104.294 ms

Loss rate: 0.76%

-- Flow 1:

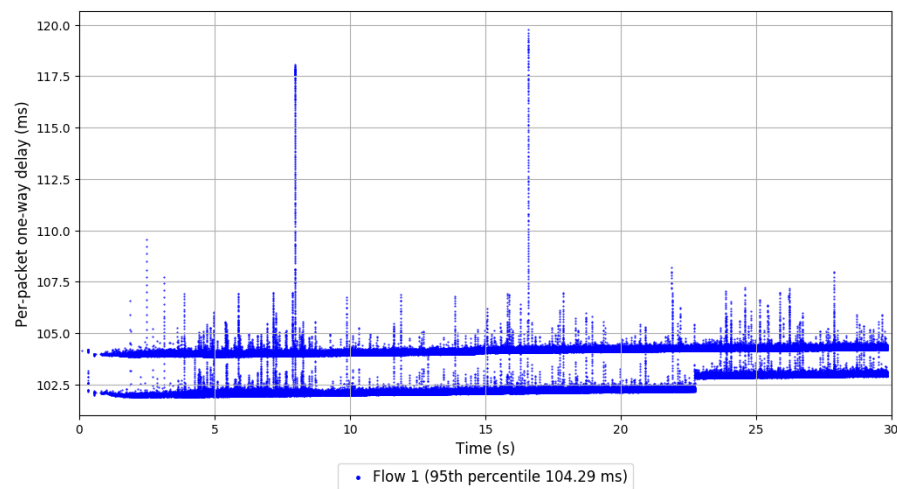
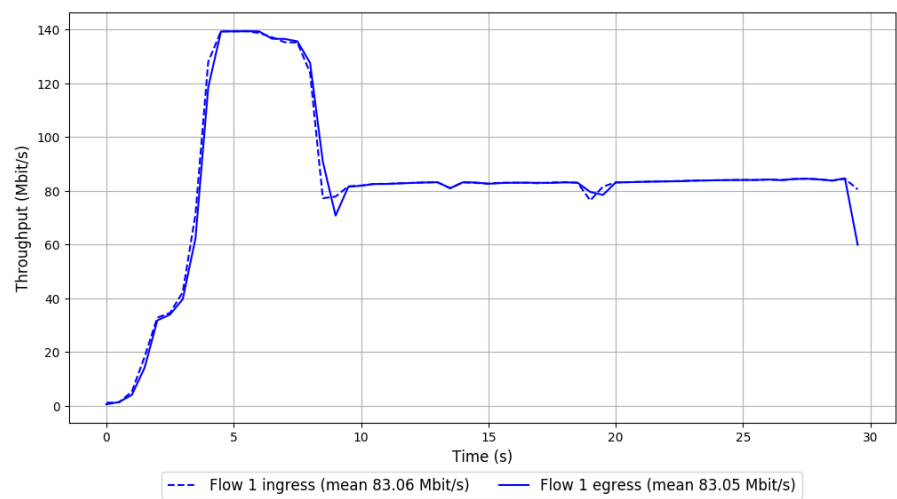
Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 104.294 ms

Loss rate: 0.76%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-17 07:23:17

End at: 2018-04-17 07:23:47

# Below is generated by plot.py at 2018-04-17 10:47:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.26 Mbit/s

95th percentile per-packet one-way delay: 108.398 ms

Loss rate: 0.59%

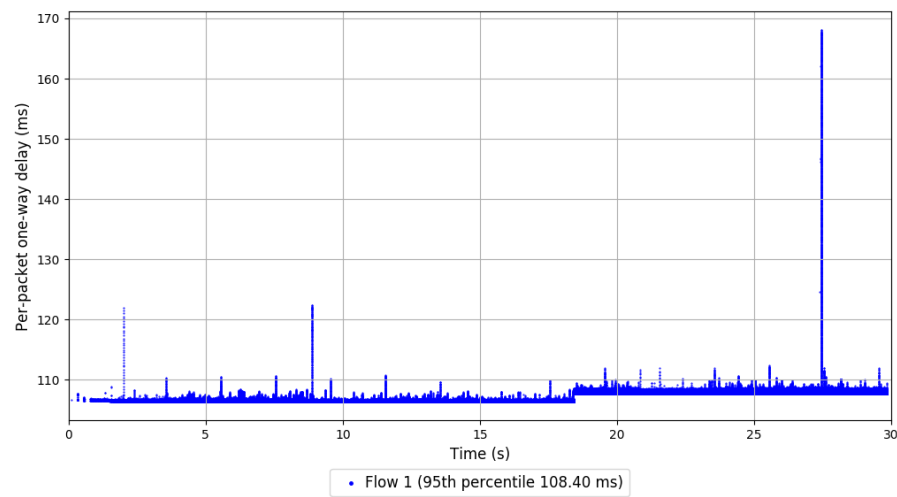
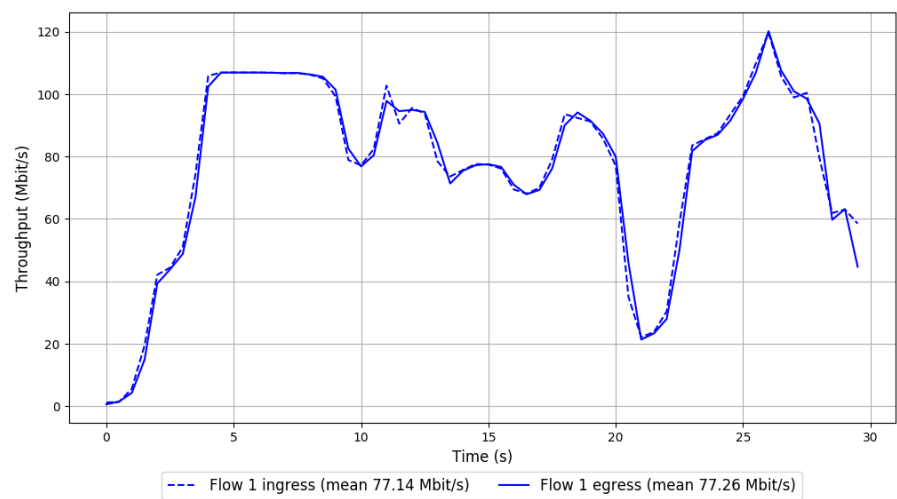
-- Flow 1:

Average throughput: 77.26 Mbit/s

95th percentile per-packet one-way delay: 108.398 ms

Loss rate: 0.59%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-17 07:37:26

End at: 2018-04-17 07:37:56

# Below is generated by plot.py at 2018-04-17 10:47:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.70 Mbit/s

95th percentile per-packet one-way delay: 105.772 ms

Loss rate: 0.79%

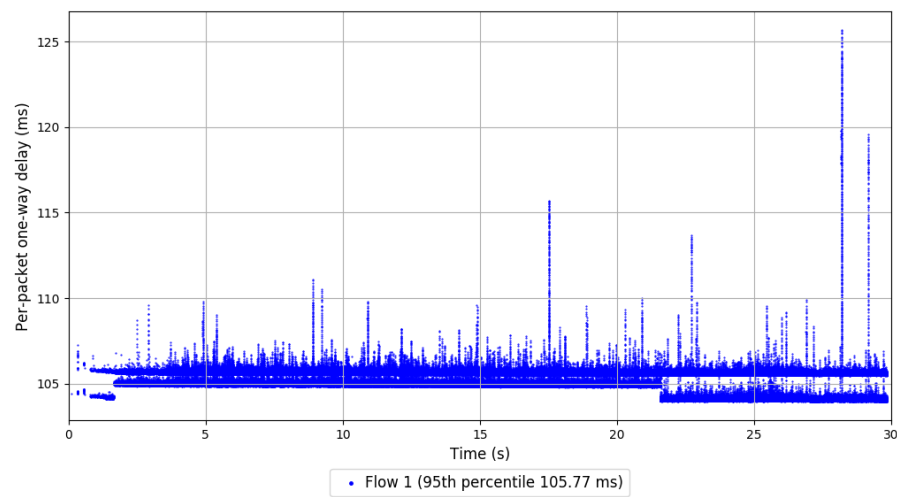
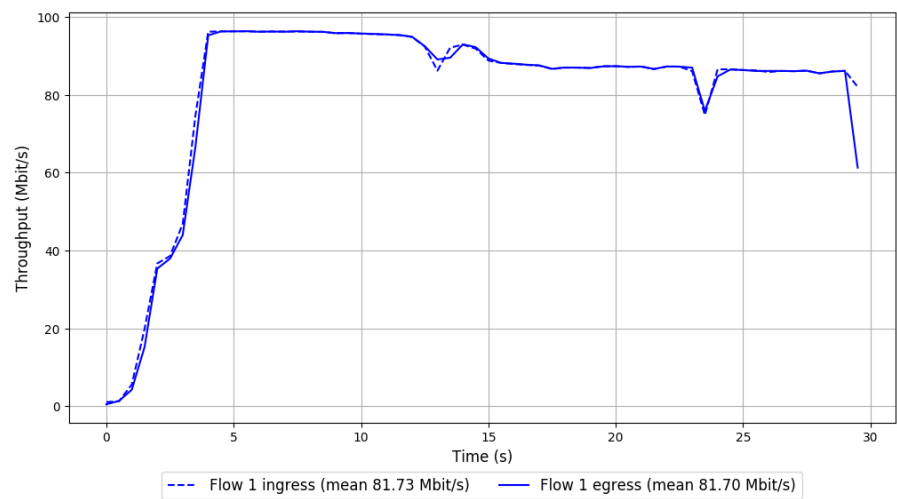
-- Flow 1:

Average throughput: 81.70 Mbit/s

95th percentile per-packet one-way delay: 105.772 ms

Loss rate: 0.79%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 07:51:13

End at: 2018-04-17 07:51:44

# Below is generated by plot.py at 2018-04-17 10:47:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.93 Mbit/s

95th percentile per-packet one-way delay: 111.807 ms

Loss rate: 0.44%

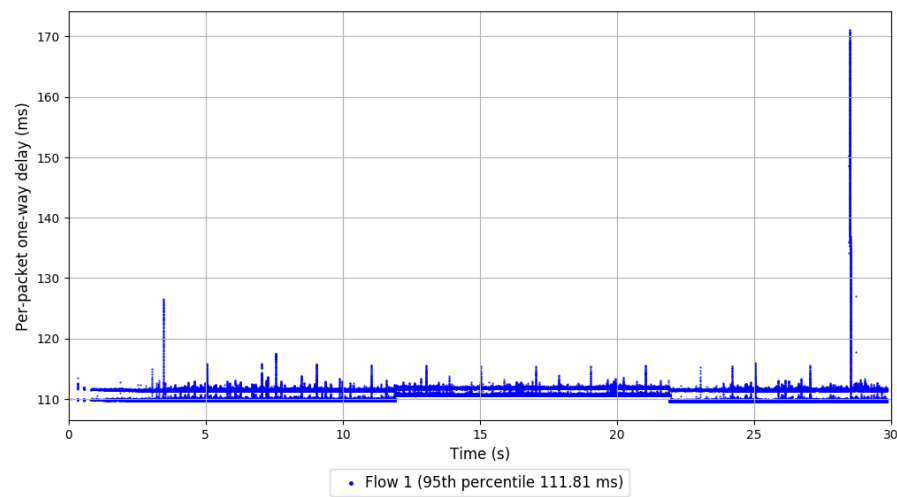
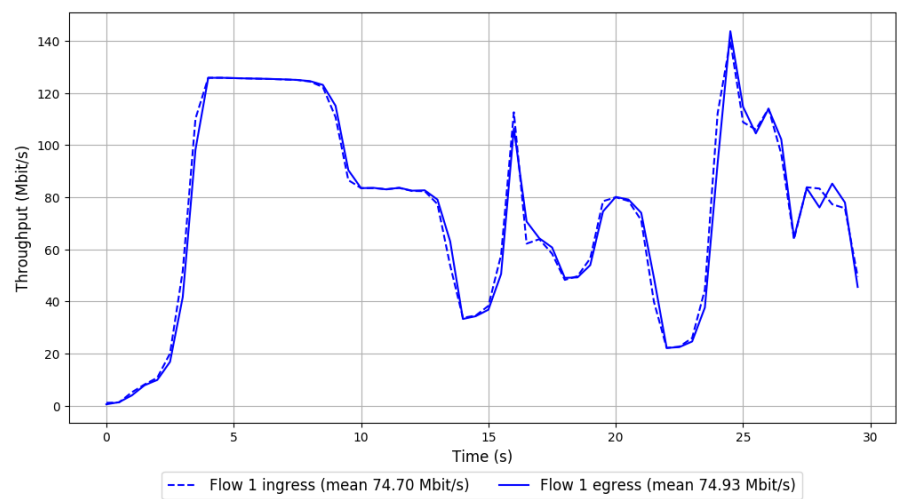
-- Flow 1:

Average throughput: 74.93 Mbit/s

95th percentile per-packet one-way delay: 111.807 ms

Loss rate: 0.44%

Run 10: Report of Copa — Data Link



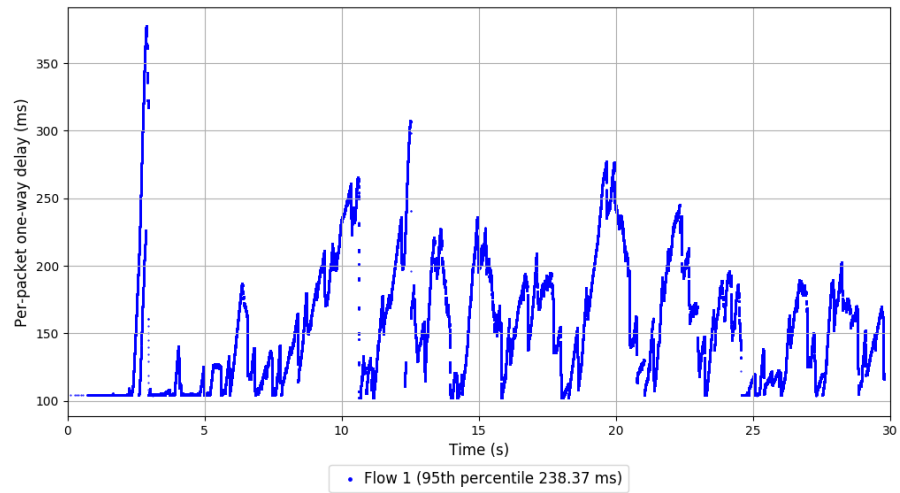
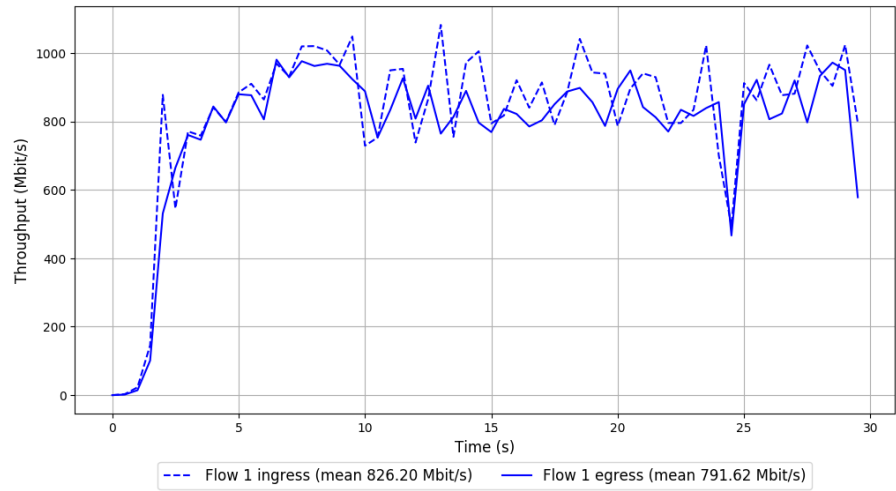
```
Run 1: Statistics of FillP

Start at: 2018-04-17 05:43:47
End at: 2018-04-17 05:44:17

# Below is generated by plot.py at 2018-04-17 10:59:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 791.62 Mbit/s
95th percentile per-packet one-way delay: 238.374 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 791.62 Mbit/s
95th percentile per-packet one-way delay: 238.374 ms
Loss rate: 4.91%
```



### Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-17 05:57:43

End at: 2018-04-17 05:58:13

# Below is generated by plot.py at 2018-04-17 11:00:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 804.67 Mbit/s

95th percentile per-packet one-way delay: 190.452 ms

Loss rate: 6.28%

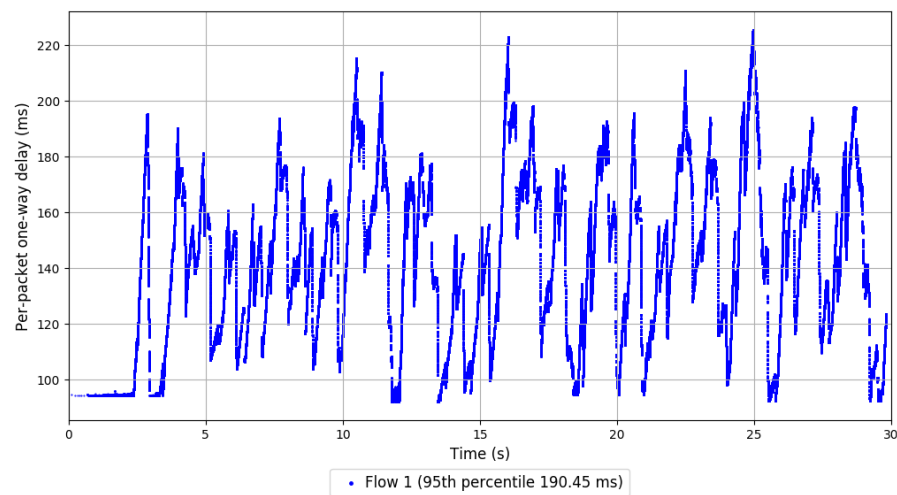
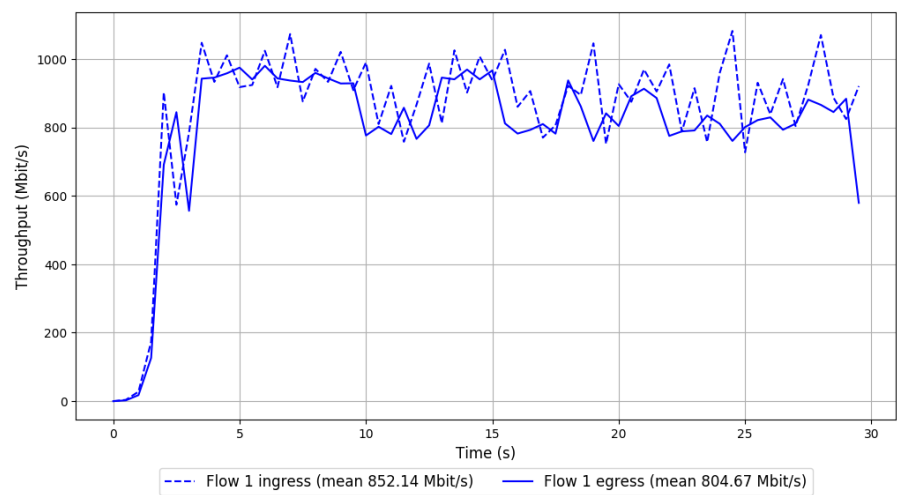
-- Flow 1:

Average throughput: 804.67 Mbit/s

95th percentile per-packet one-way delay: 190.452 ms

Loss rate: 6.28%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-17 06:11:40

End at: 2018-04-17 06:12:10

# Below is generated by plot.py at 2018-04-17 11:00:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 652.57 Mbit/s

95th percentile per-packet one-way delay: 263.722 ms

Loss rate: 4.47%

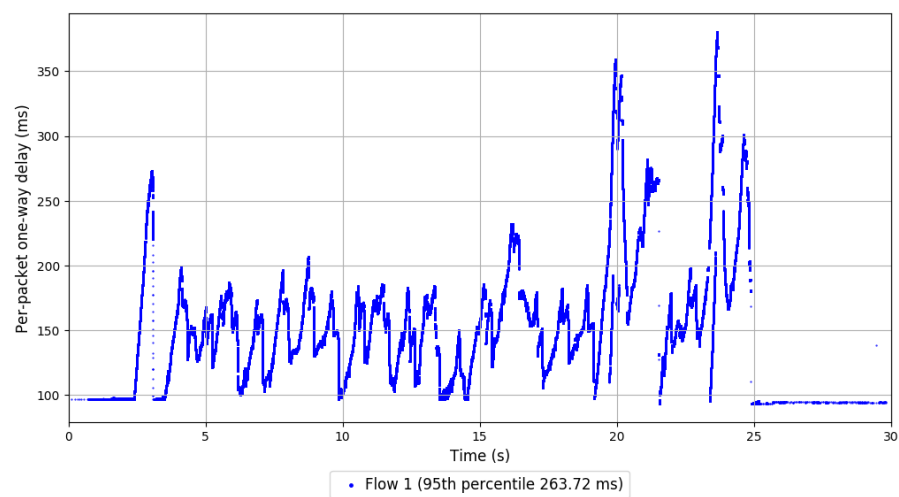
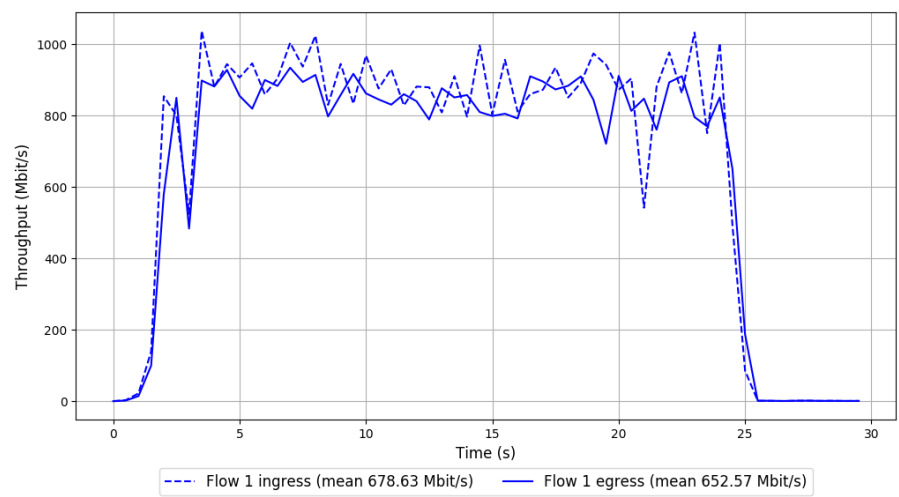
-- Flow 1:

Average throughput: 652.57 Mbit/s

95th percentile per-packet one-way delay: 263.722 ms

Loss rate: 4.47%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 06:25:28

End at: 2018-04-17 06:25:58

# Below is generated by plot.py at 2018-04-17 11:00:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 774.85 Mbit/s

95th percentile per-packet one-way delay: 178.612 ms

Loss rate: 6.79%

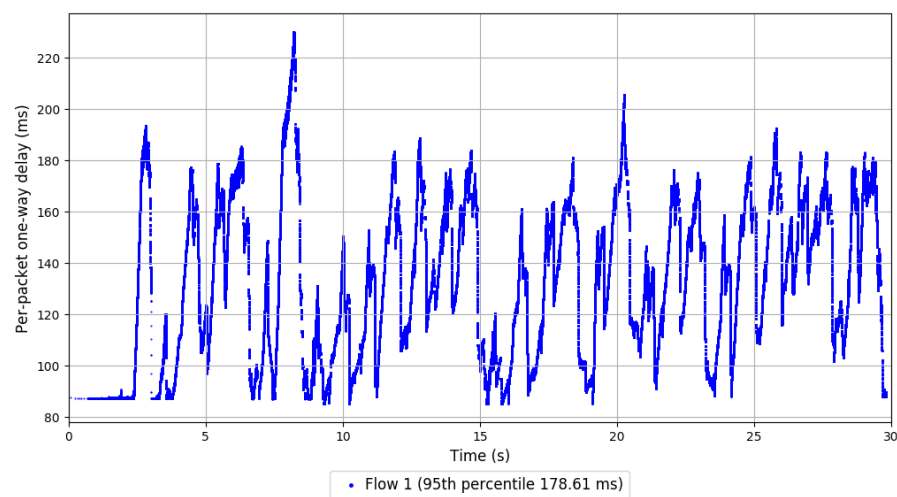
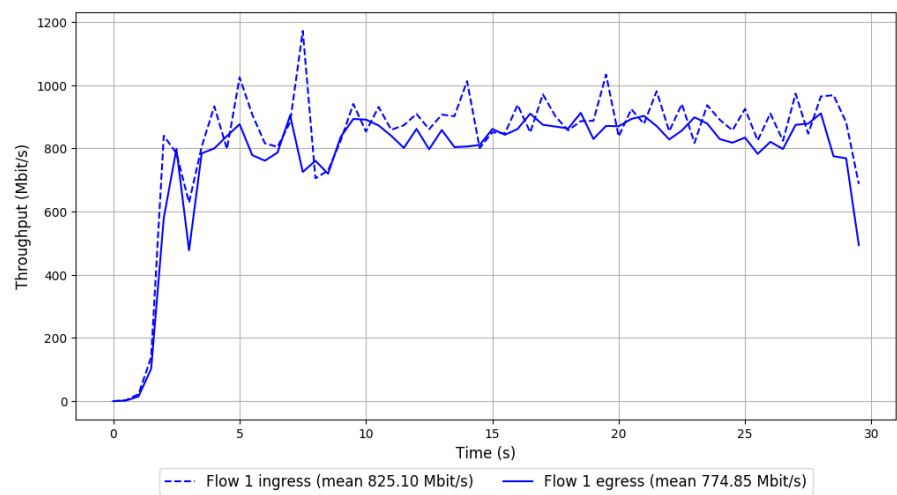
-- Flow 1:

Average throughput: 774.85 Mbit/s

95th percentile per-packet one-way delay: 178.612 ms

Loss rate: 6.79%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-17 06:39:16

End at: 2018-04-17 06:39:46

# Below is generated by plot.py at 2018-04-17 11:00:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 786.12 Mbit/s

95th percentile per-packet one-way delay: 186.388 ms

Loss rate: 4.16%

-- Flow 1:

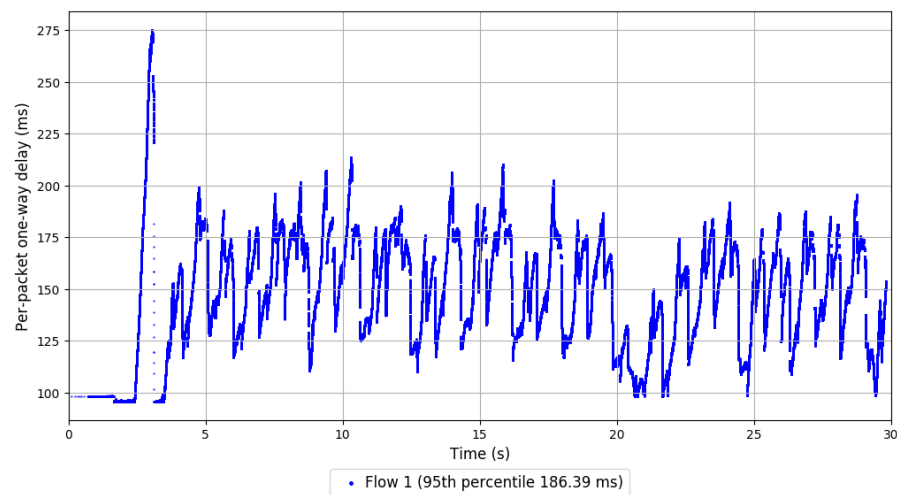
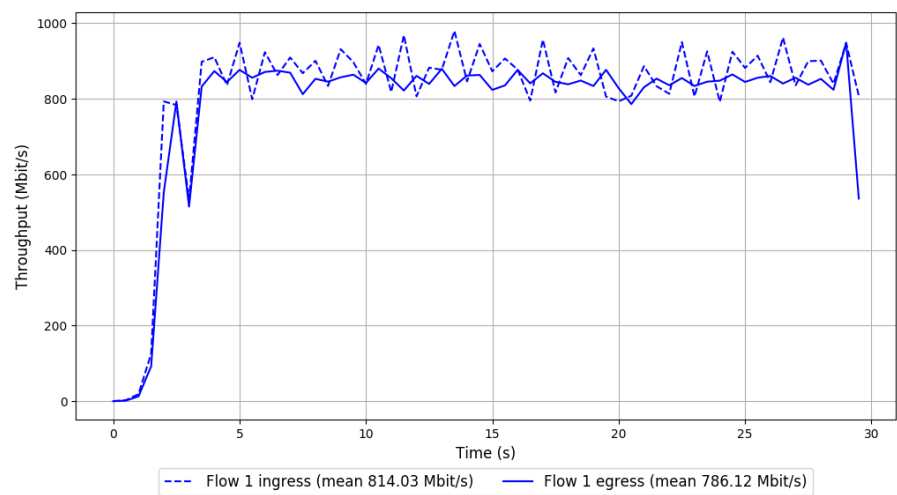
Average throughput: 786.12 Mbit/s

95th percentile per-packet one-way delay: 186.388 ms

Loss rate: 4.16%



Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-17 06:53:10

End at: 2018-04-17 06:53:40

# Below is generated by plot.py at 2018-04-17 11:01:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 801.86 Mbit/s

95th percentile per-packet one-way delay: 216.295 ms

Loss rate: 4.01%

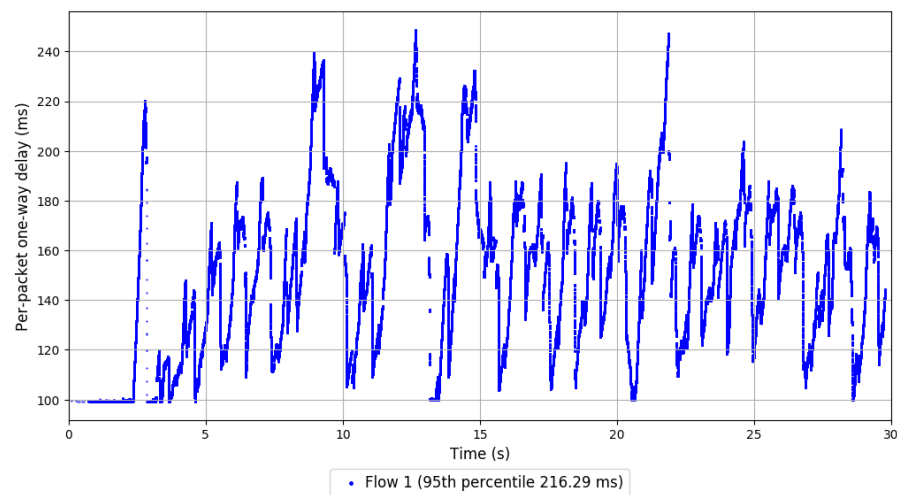
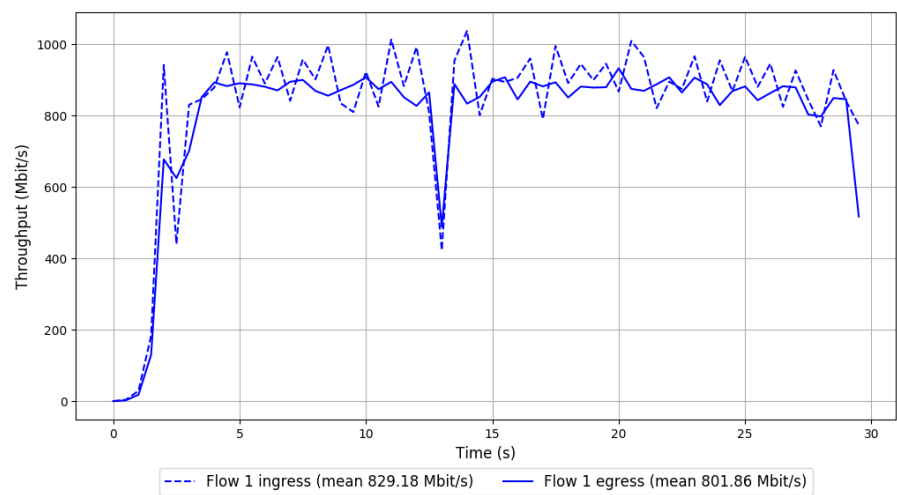
-- Flow 1:

Average throughput: 801.86 Mbit/s

95th percentile per-packet one-way delay: 216.295 ms

Loss rate: 4.01%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

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

End at: 2018-04-17 07:07:50

# Below is generated by plot.py at 2018-04-17 11:02:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 812.68 Mbit/s

95th percentile per-packet one-way delay: 199.390 ms

Loss rate: 5.54%

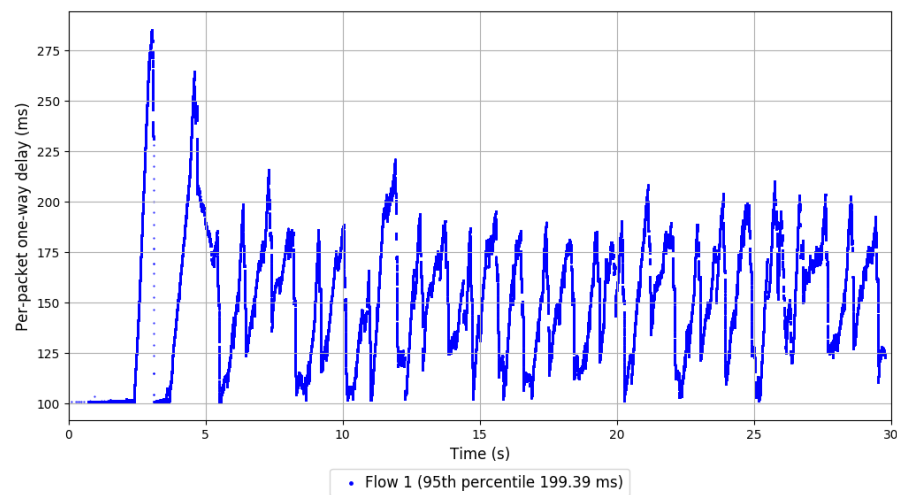
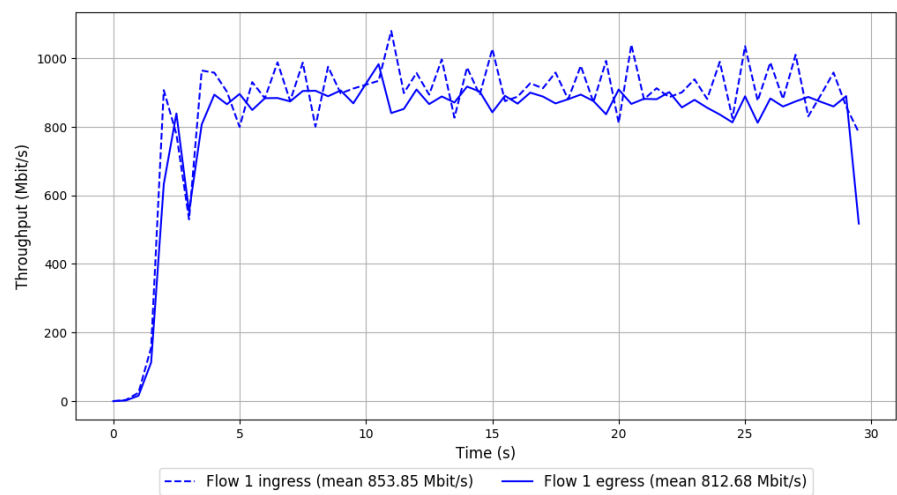
-- Flow 1:

Average throughput: 812.68 Mbit/s

95th percentile per-packet one-way delay: 199.390 ms

Loss rate: 5.54%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-17 07:21:23

End at: 2018-04-17 07:21:53

# Below is generated by plot.py at 2018-04-17 11:02:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 685.97 Mbit/s

95th percentile per-packet one-way delay: 238.406 ms

Loss rate: 10.27%

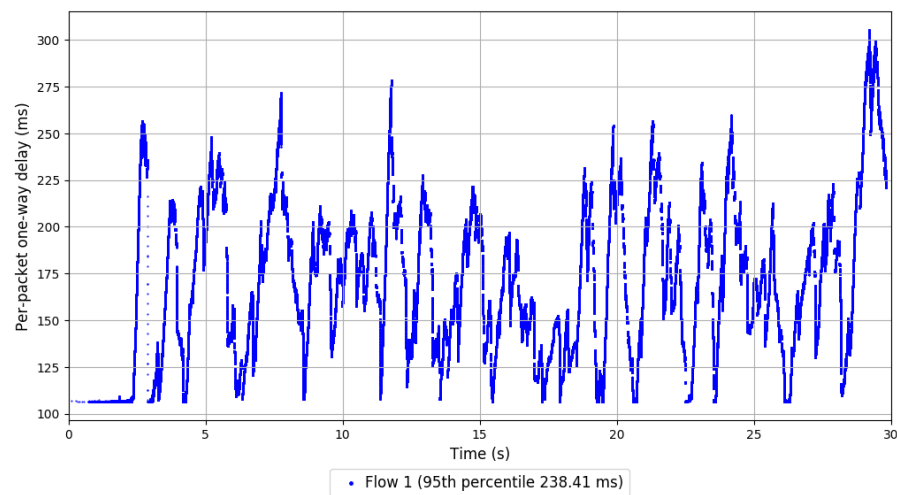
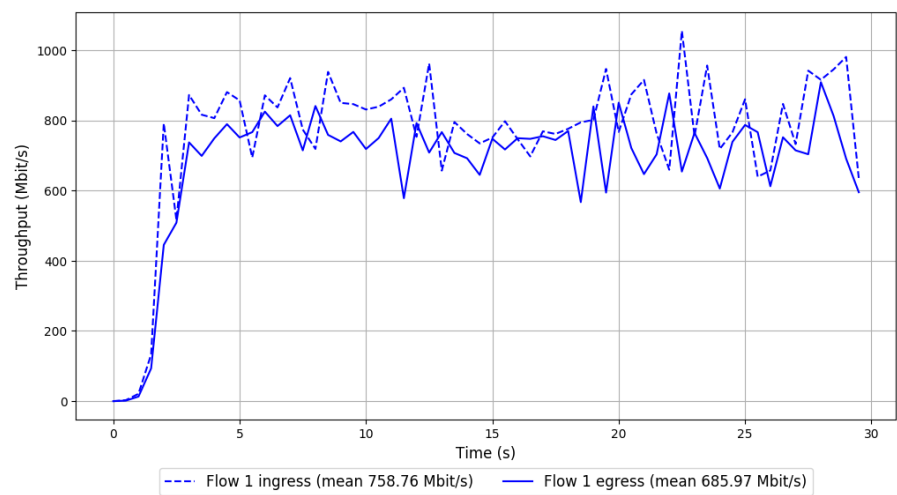
-- Flow 1:

Average throughput: 685.97 Mbit/s

95th percentile per-packet one-way delay: 238.406 ms

Loss rate: 10.27%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 07:35:32

End at: 2018-04-17 07:36:02

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 670.57 Mbit/s

95th percentile per-packet one-way delay: 224.740 ms

Loss rate: 11.17%

-- Flow 1:

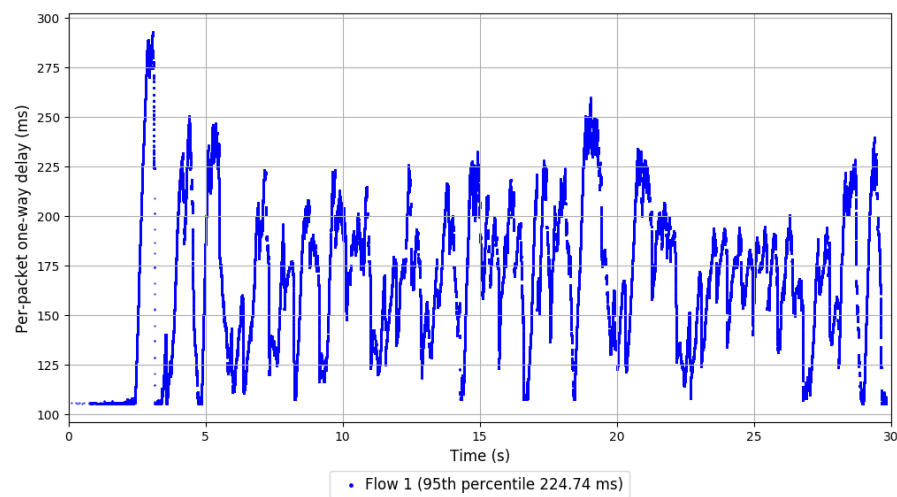
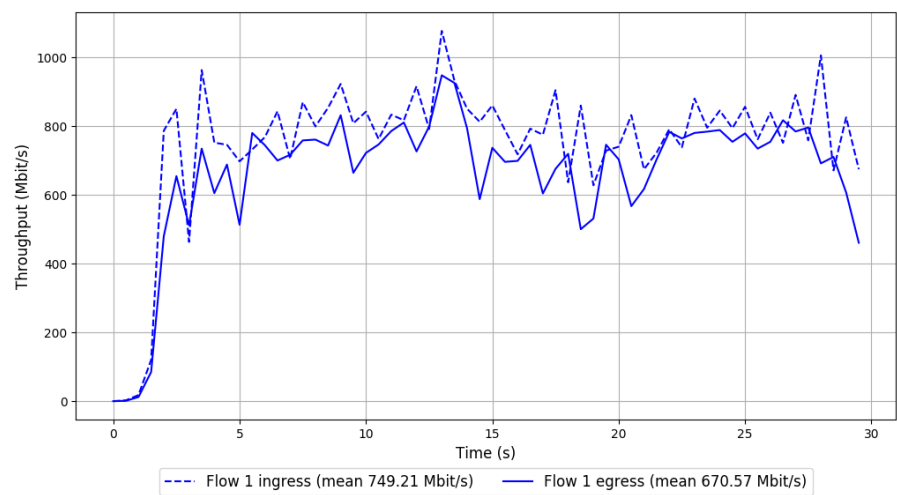
Average throughput: 670.57 Mbit/s

95th percentile per-packet one-way delay: 224.740 ms

Loss rate: 11.17%



Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-17 07:49:20

End at: 2018-04-17 07:49:50

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 657.15 Mbit/s

95th percentile per-packet one-way delay: 240.973 ms

Loss rate: 14.02%

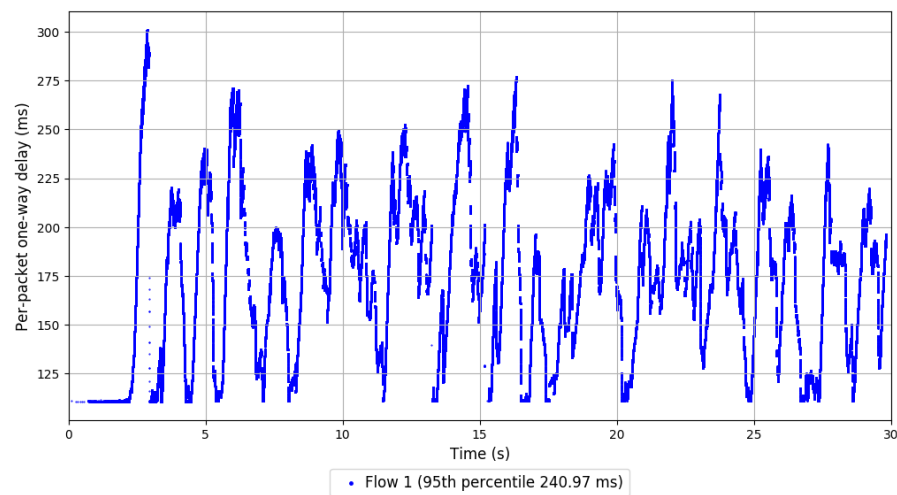
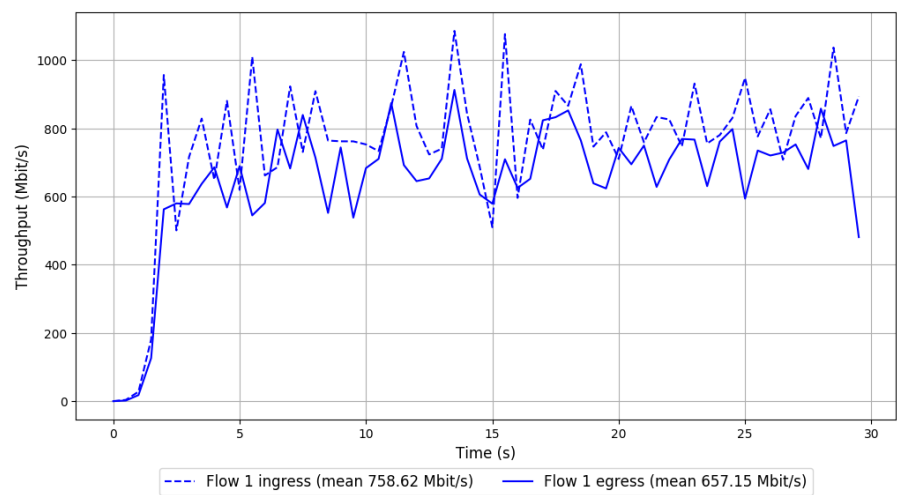
-- Flow 1:

Average throughput: 657.15 Mbit/s

95th percentile per-packet one-way delay: 240.973 ms

Loss rate: 14.02%

Run 10: Report of FillP — Data Link

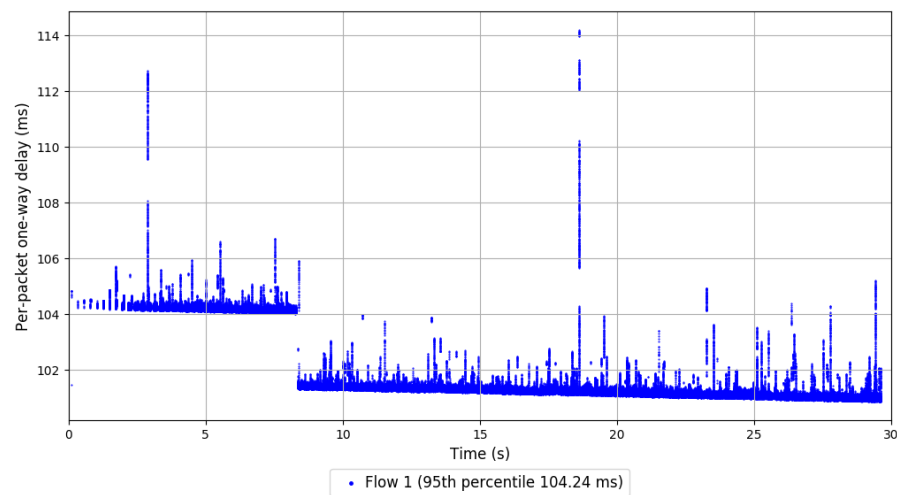
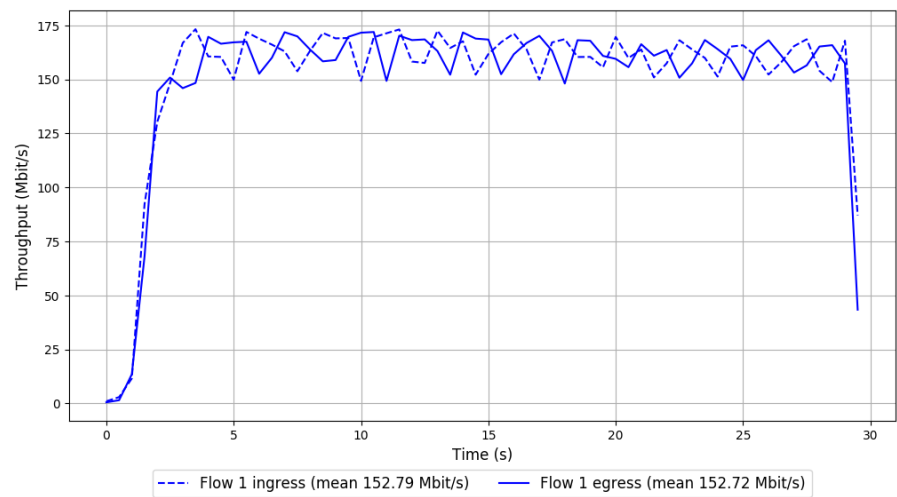


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 05:36:47
End at: 2018-04-17 05:37:17

# Below is generated by plot.py at 2018-04-17 11:12:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.72 Mbit/s
95th percentile per-packet one-way delay: 104.240 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 152.72 Mbit/s
95th percentile per-packet one-way delay: 104.240 ms
Loss rate: 0.79%
```

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

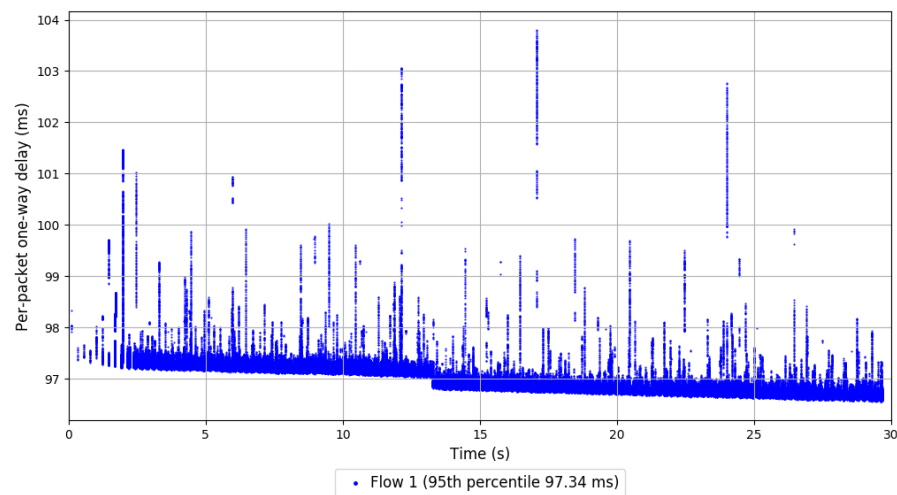
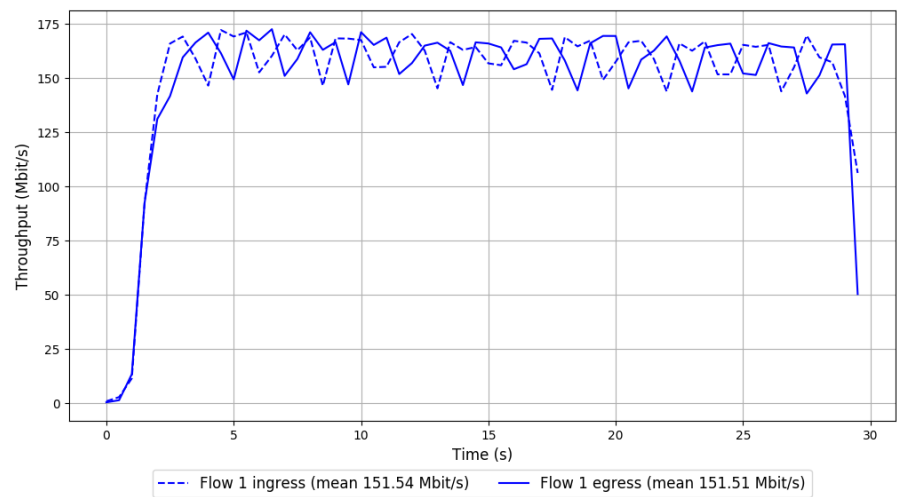


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 05:50:32
End at: 2018-04-17 05:51:02

# Below is generated by plot.py at 2018-04-17 11:12:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.51 Mbit/s
95th percentile per-packet one-way delay: 97.338 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 151.51 Mbit/s
95th percentile per-packet one-way delay: 97.338 ms
Loss rate: 0.78%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 06:04:28

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

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 164.49 Mbit/s

95th percentile per-packet one-way delay: 99.240 ms

Loss rate: 0.80%

-- Flow 1:

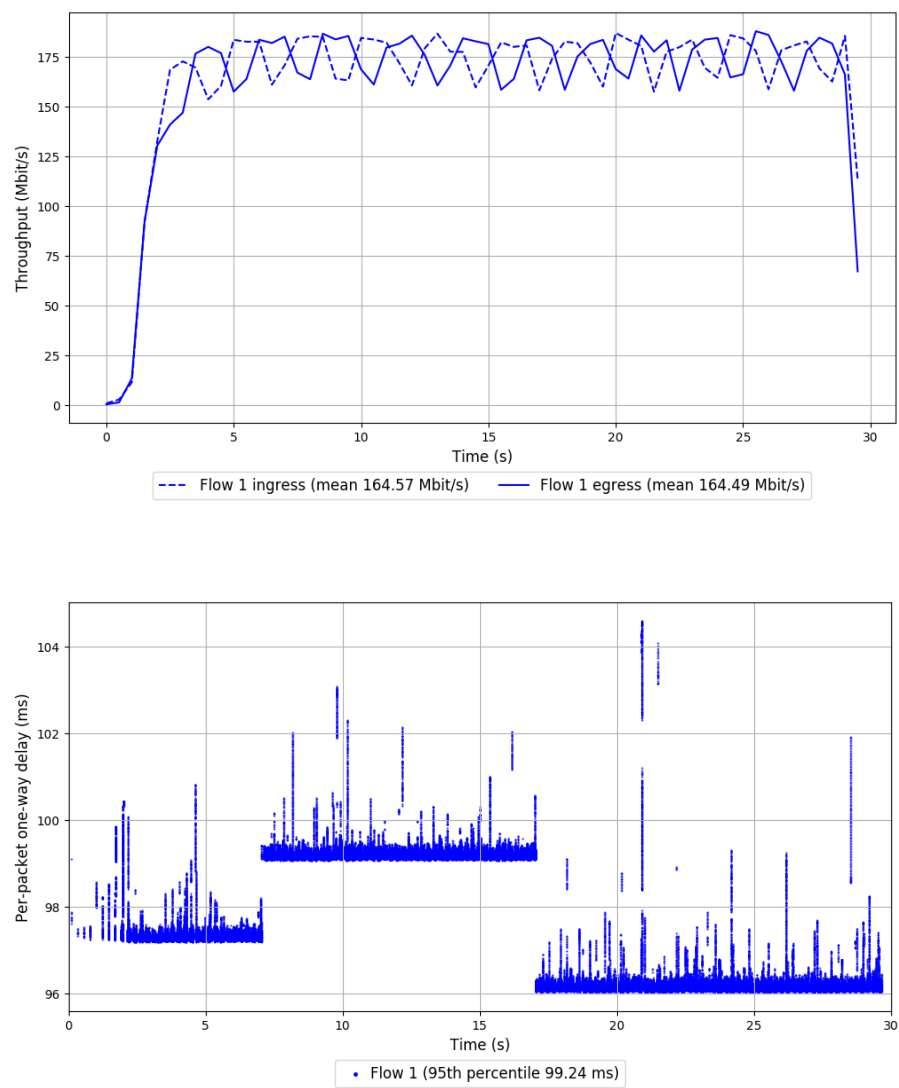
Average throughput: 164.49 Mbit/s

95th percentile per-packet one-way delay: 99.240 ms

Loss rate: 0.80%



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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 06:18:19

End at: 2018-04-17 06:18:50

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 190.44 Mbit/s

95th percentile per-packet one-way delay: 93.632 ms

Loss rate: 0.76%

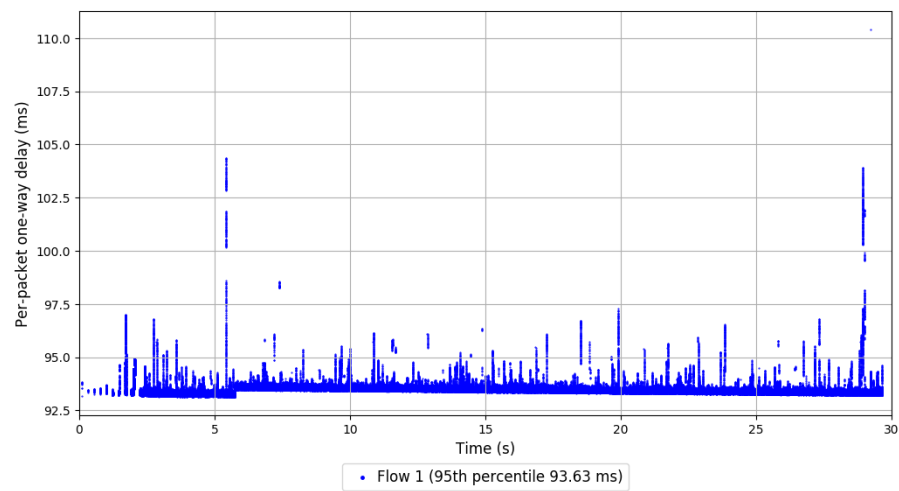
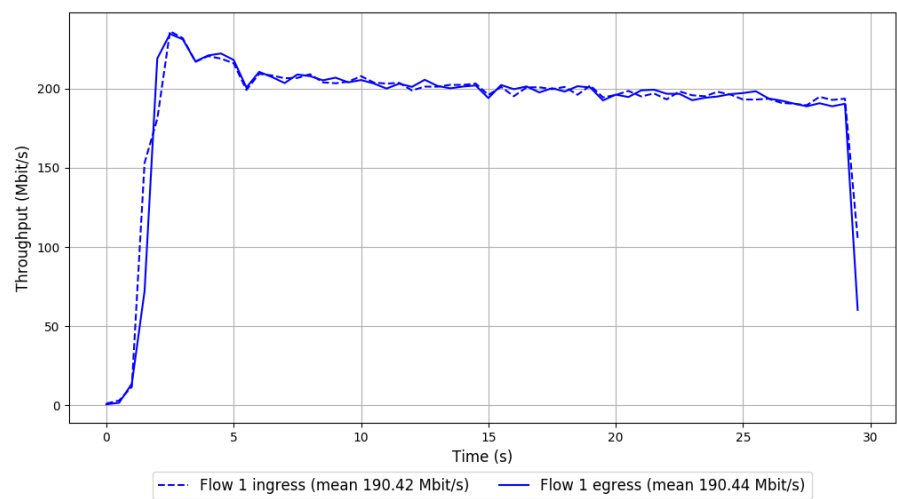
-- Flow 1:

Average throughput: 190.44 Mbit/s

95th percentile per-packet one-way delay: 93.632 ms

Loss rate: 0.76%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 06:32:12

End at: 2018-04-17 06:32:43

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 198.25 Mbit/s

95th percentile per-packet one-way delay: 89.000 ms

Loss rate: 0.76%

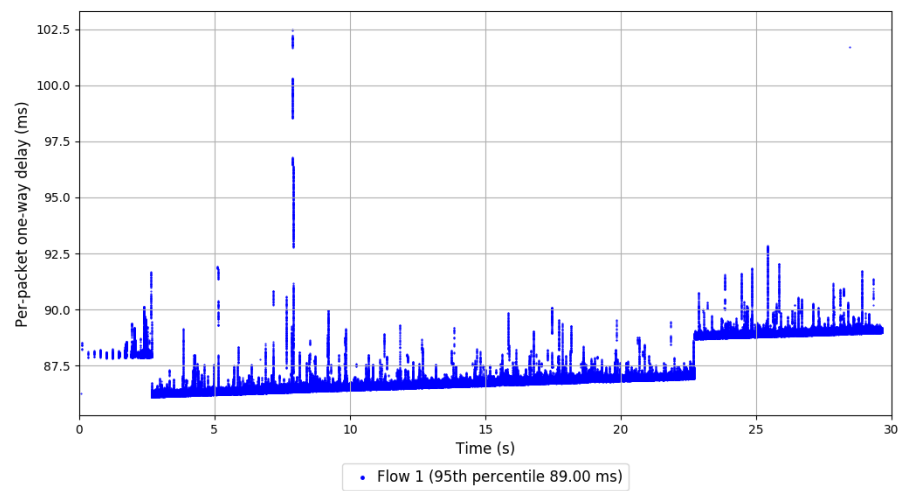
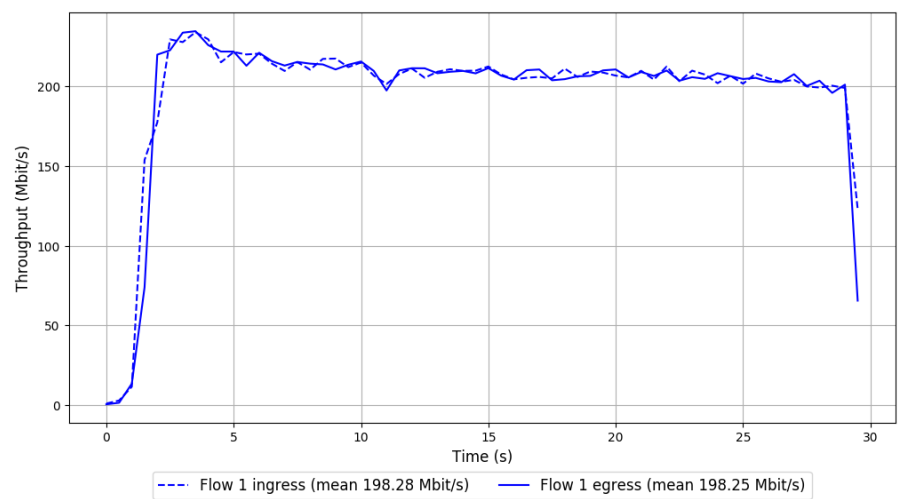
-- Flow 1:

Average throughput: 198.25 Mbit/s

95th percentile per-packet one-way delay: 89.000 ms

Loss rate: 0.76%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 06:46:02

End at: 2018-04-17 06:46:32

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 166.26 Mbit/s

95th percentile per-packet one-way delay: 102.090 ms

Loss rate: 0.81%

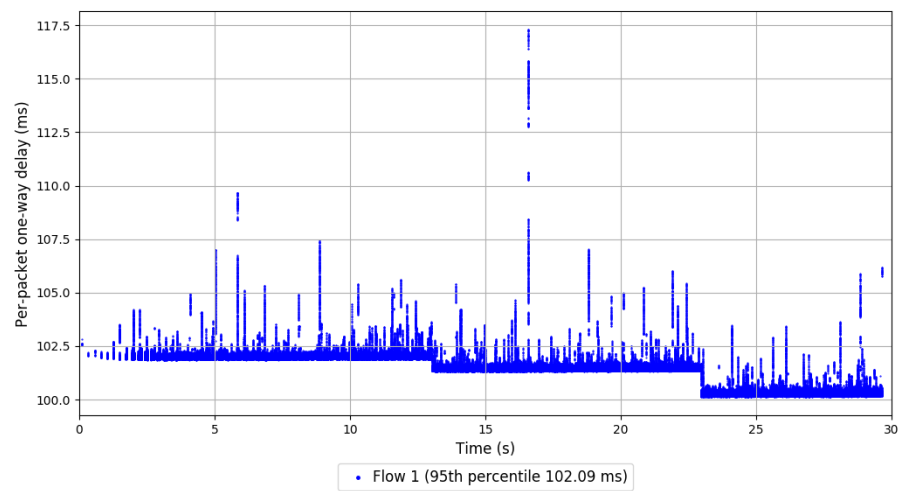
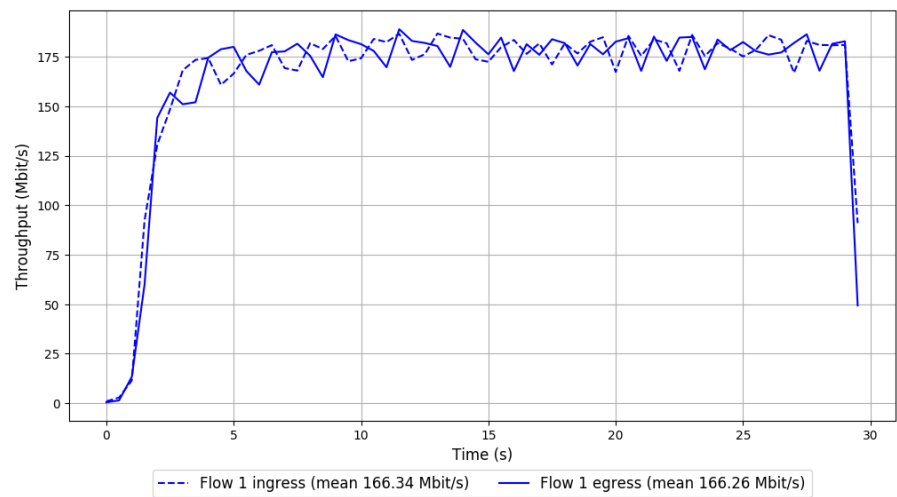
-- Flow 1:

Average throughput: 166.26 Mbit/s

95th percentile per-packet one-way delay: 102.090 ms

Loss rate: 0.81%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 06:59:56

End at: 2018-04-17 07:00:26

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 185.06 Mbit/s

95th percentile per-packet one-way delay: 99.451 ms

Loss rate: 0.72%

-- Flow 1:

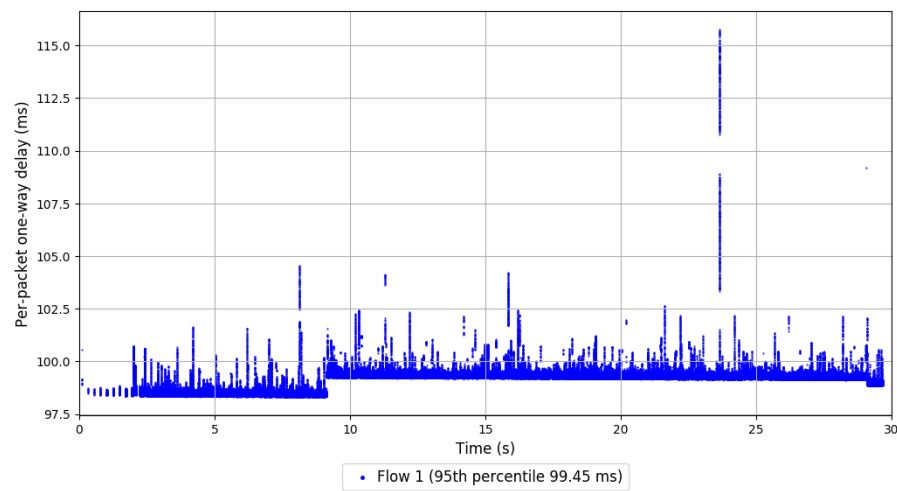
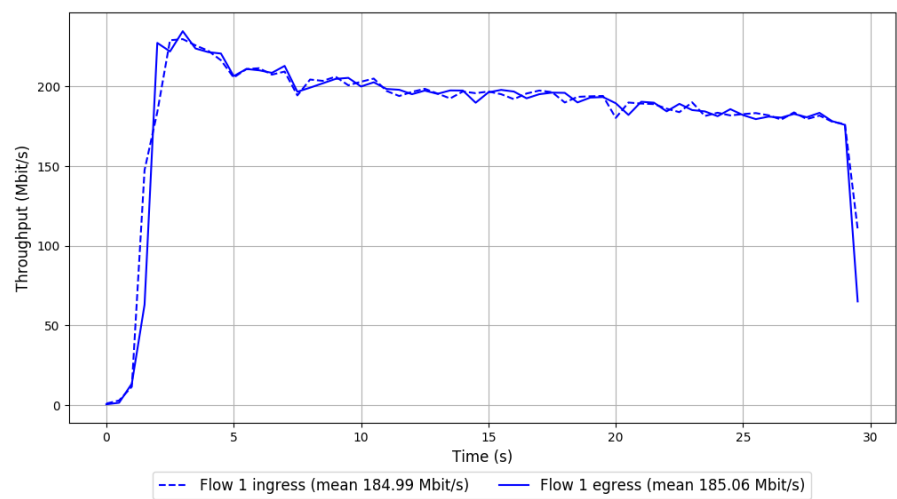
Average throughput: 185.06 Mbit/s

95th percentile per-packet one-way delay: 99.451 ms

Loss rate: 0.72%



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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 07:14:06

End at: 2018-04-17 07:14:36

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 146.29 Mbit/s

95th percentile per-packet one-way delay: 105.817 ms

Loss rate: 0.80%

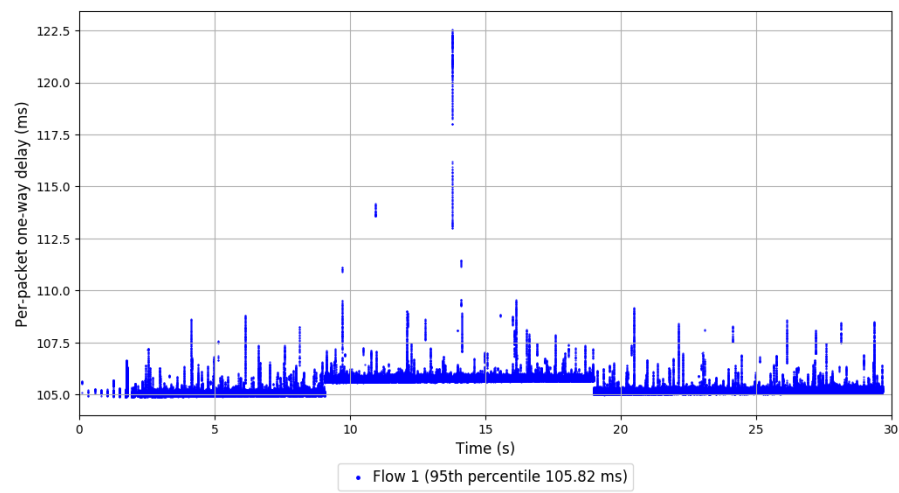
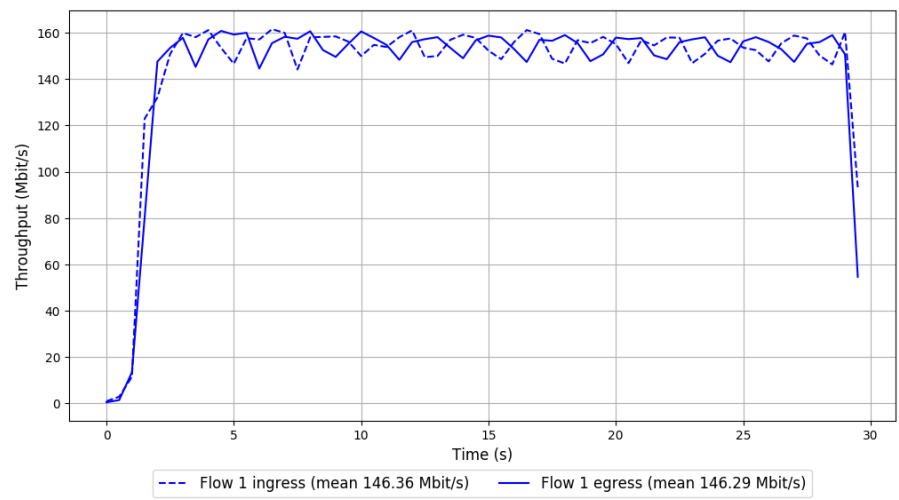
-- Flow 1:

Average throughput: 146.29 Mbit/s

95th percentile per-packet one-way delay: 105.817 ms

Loss rate: 0.80%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 07:28:18

End at: 2018-04-17 07:28:48

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 195.26 Mbit/s

95th percentile per-packet one-way delay: 107.702 ms

Loss rate: 0.76%

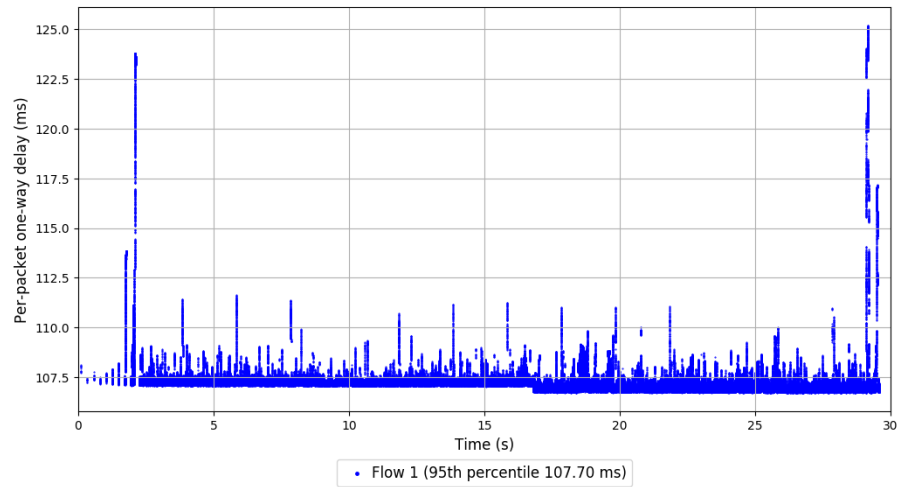
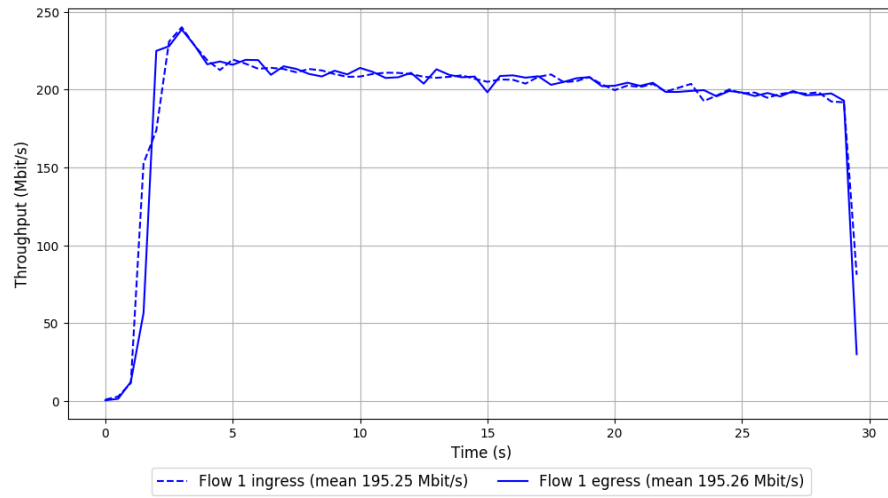
-- Flow 1:

Average throughput: 195.26 Mbit/s

95th percentile per-packet one-way delay: 107.702 ms

Loss rate: 0.76%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 07:42:22

End at: 2018-04-17 07:42:52

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 150.81 Mbit/s

95th percentile per-packet one-way delay: 109.131 ms

Loss rate: 0.80%

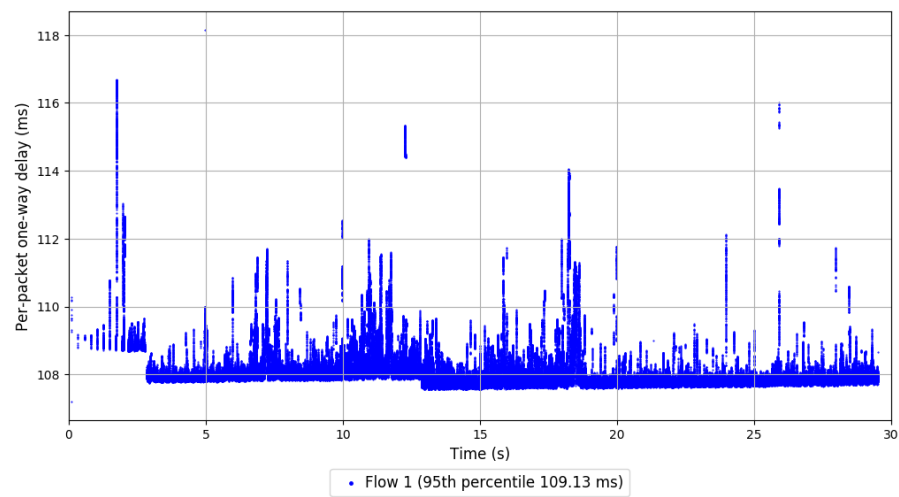
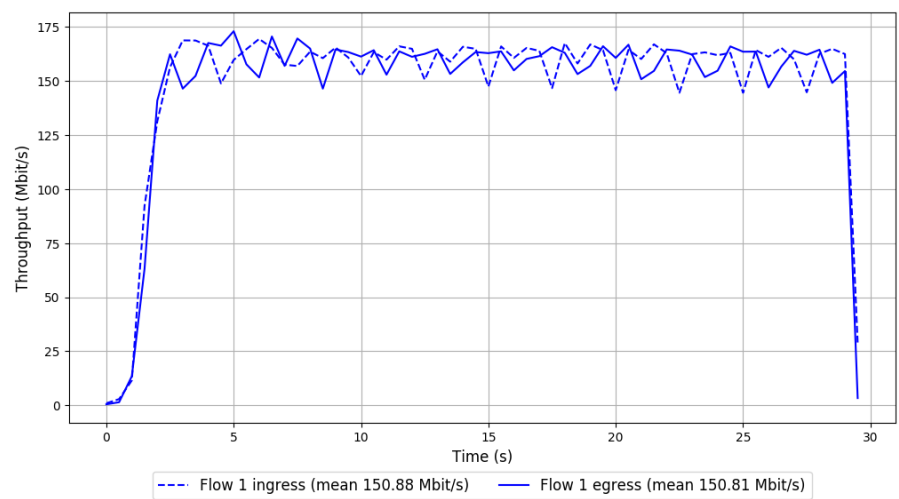
-- Flow 1:

Average throughput: 150.81 Mbit/s

95th percentile per-packet one-way delay: 109.131 ms

Loss rate: 0.80%

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



Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 05:41:10

End at: 2018-04-17 05:41:40

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 242.40 Mbit/s

95th percentile per-packet one-way delay: 103.096 ms

Loss rate: 0.97%

-- Flow 1:

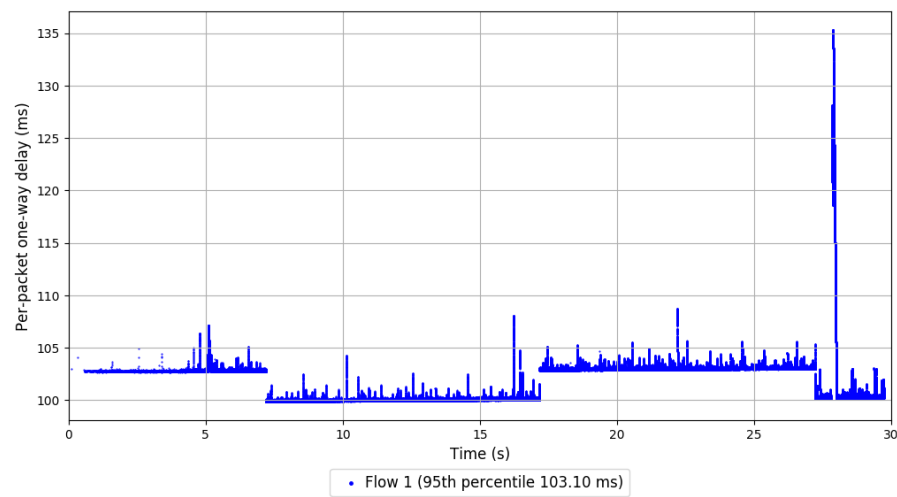
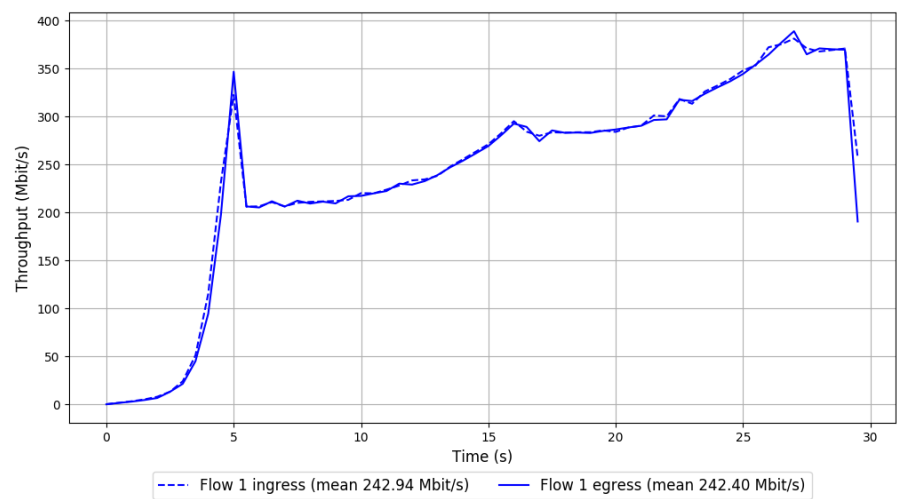
Average throughput: 242.40 Mbit/s

95th percentile per-packet one-way delay: 103.096 ms

Loss rate: 0.97%



Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 05:54:55

End at: 2018-04-17 05:55:25

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 329.82 Mbit/s

95th percentile per-packet one-way delay: 101.587 ms

Loss rate: 0.76%

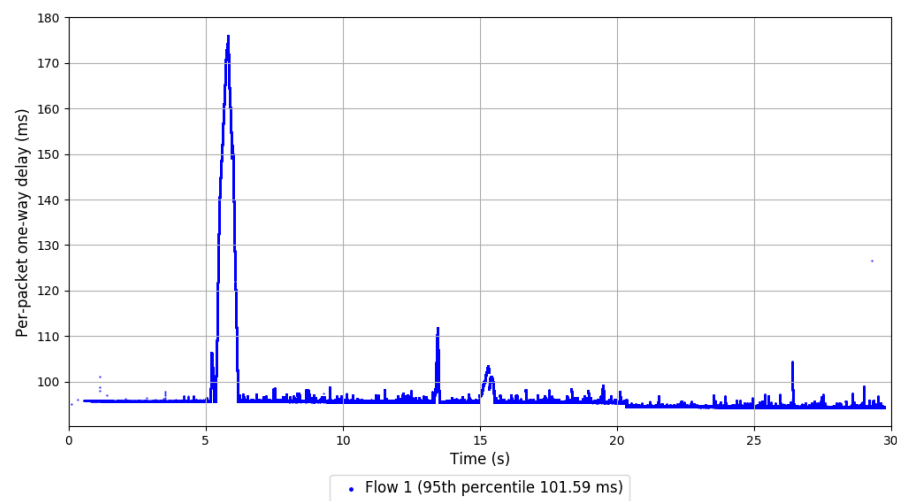
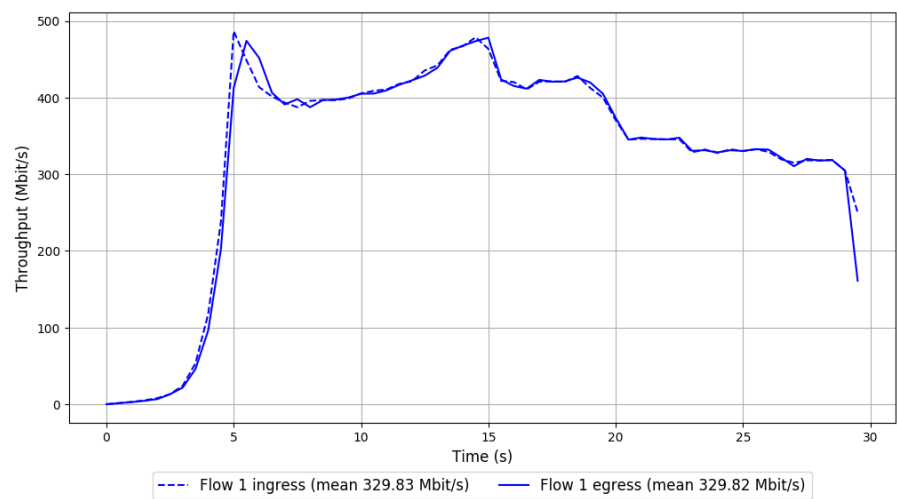
-- Flow 1:

Average throughput: 329.82 Mbit/s

95th percentile per-packet one-way delay: 101.587 ms

Loss rate: 0.76%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 06:08:52

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

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 339.06 Mbit/s

95th percentile per-packet one-way delay: 99.206 ms

Loss rate: 0.89%

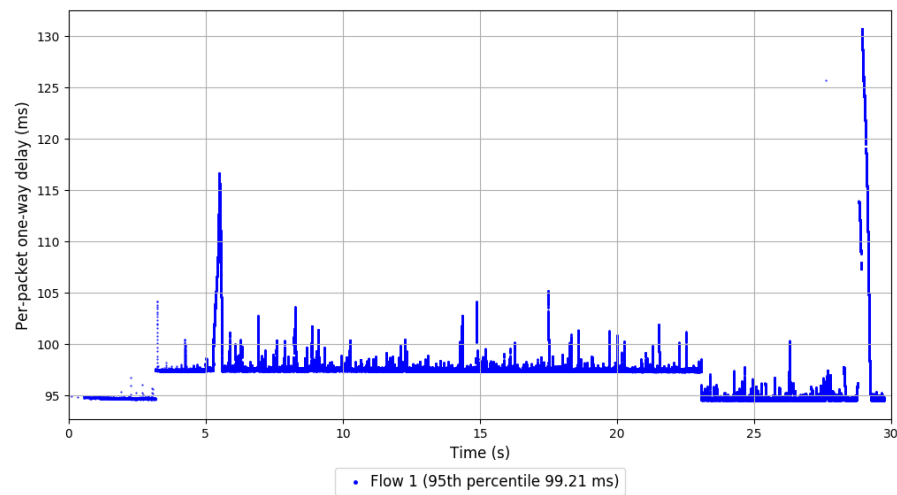
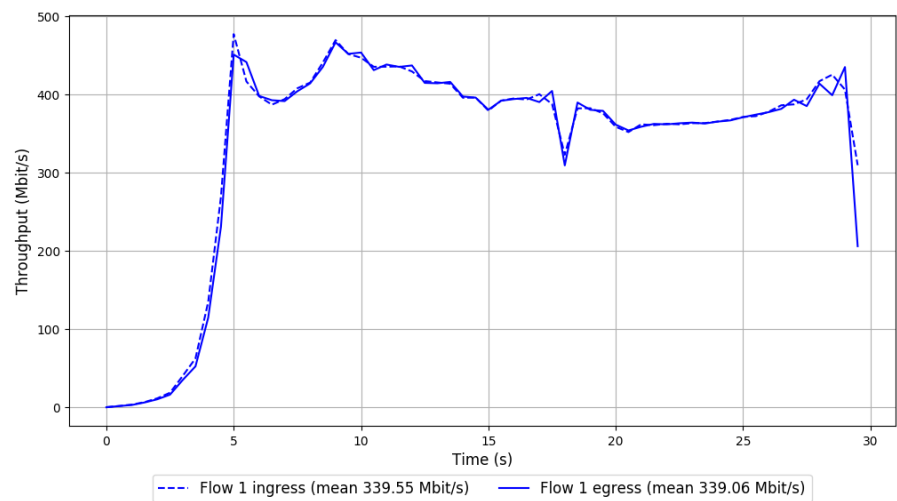
-- Flow 1:

Average throughput: 339.06 Mbit/s

95th percentile per-packet one-way delay: 99.206 ms

Loss rate: 0.89%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 06:22:45

End at: 2018-04-17 06:23:15

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 332.37 Mbit/s

95th percentile per-packet one-way delay: 89.324 ms

Loss rate: 0.81%

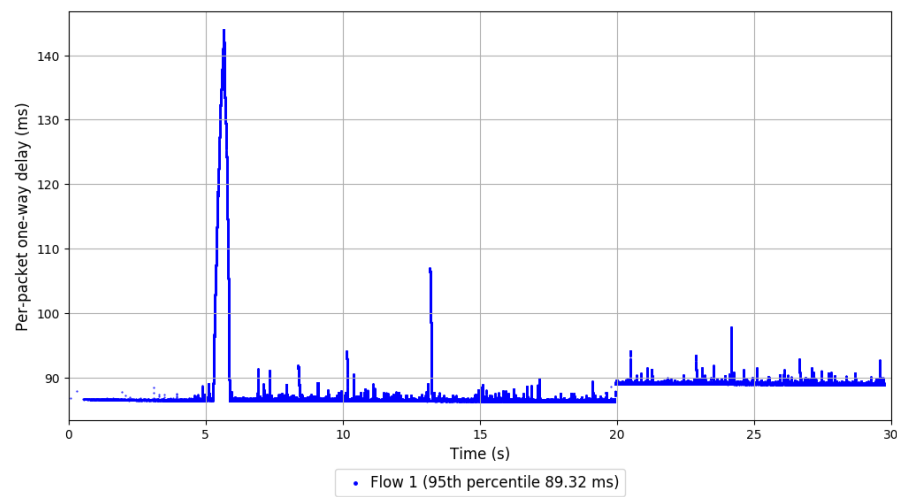
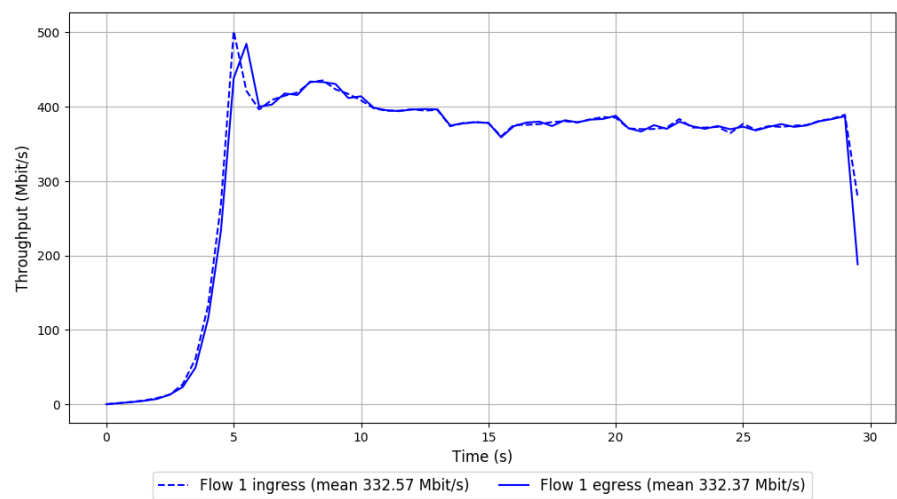
-- Flow 1:

Average throughput: 332.37 Mbit/s

95th percentile per-packet one-way delay: 89.324 ms

Loss rate: 0.81%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 06:36:39

End at: 2018-04-17 06:37:09

# Below is generated by plot.py at 2018-04-17 11:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 249.67 Mbit/s

95th percentile per-packet one-way delay: 96.532 ms

Loss rate: 0.94%

-- Flow 1:

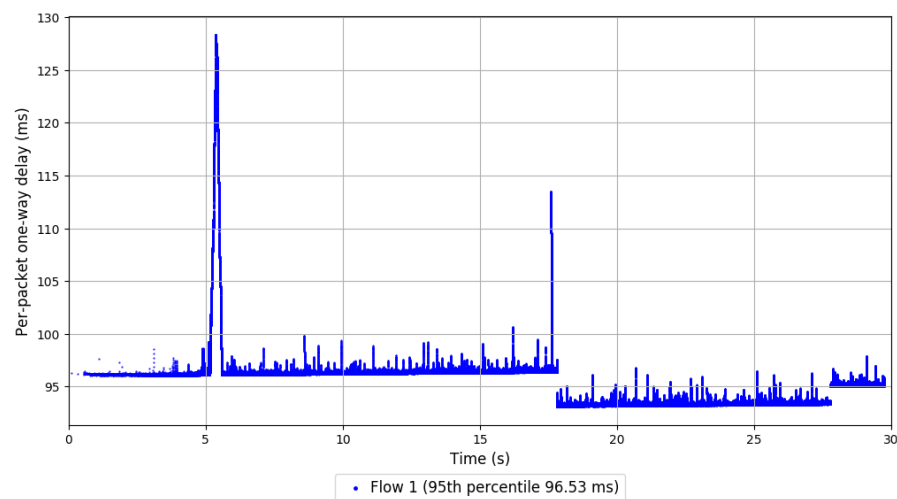
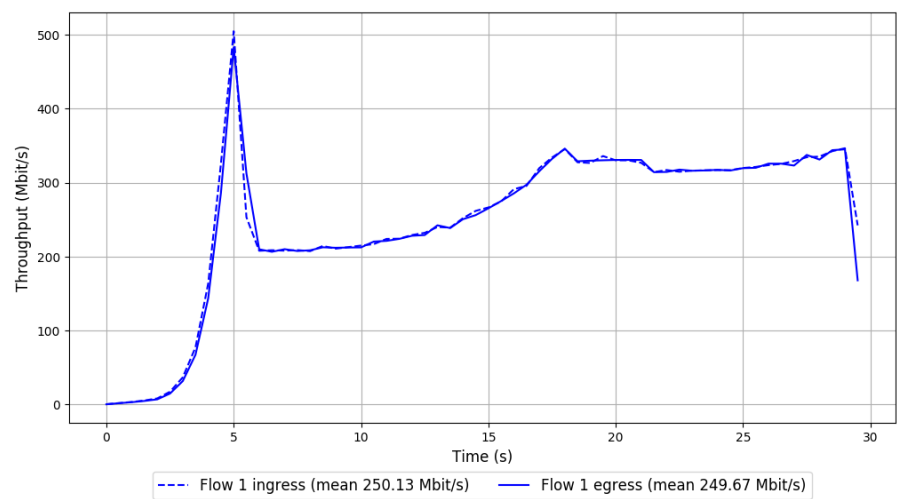
Average throughput: 249.67 Mbit/s

95th percentile per-packet one-way delay: 96.532 ms

Loss rate: 0.94%



Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 06:50:28

End at: 2018-04-17 06:50:58

# Below is generated by plot.py at 2018-04-17 11:12:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 341.82 Mbit/s

95th percentile per-packet one-way delay: 102.143 ms

Loss rate: 0.82%

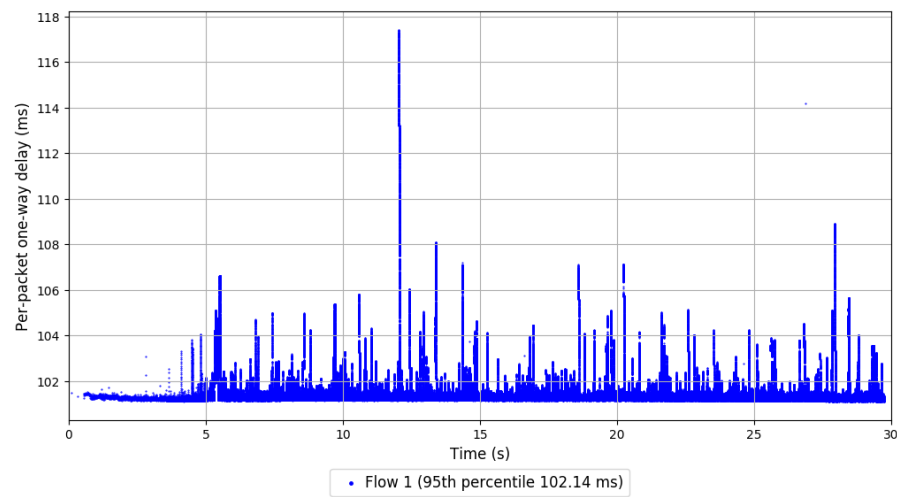
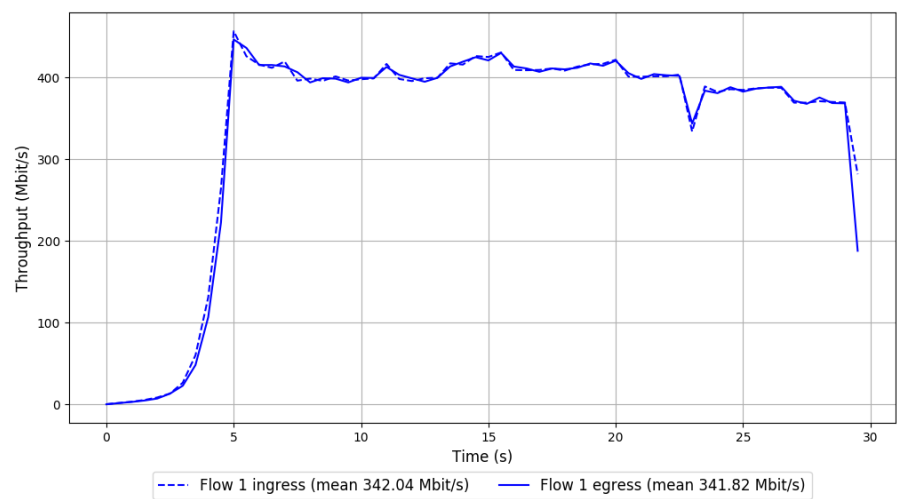
-- Flow 1:

Average throughput: 341.82 Mbit/s

95th percentile per-packet one-way delay: 102.143 ms

Loss rate: 0.82%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

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

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

# Below is generated by plot.py at 2018-04-17 11:13:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 316.40 Mbit/s

95th percentile per-packet one-way delay: 99.201 ms

Loss rate: 0.83%

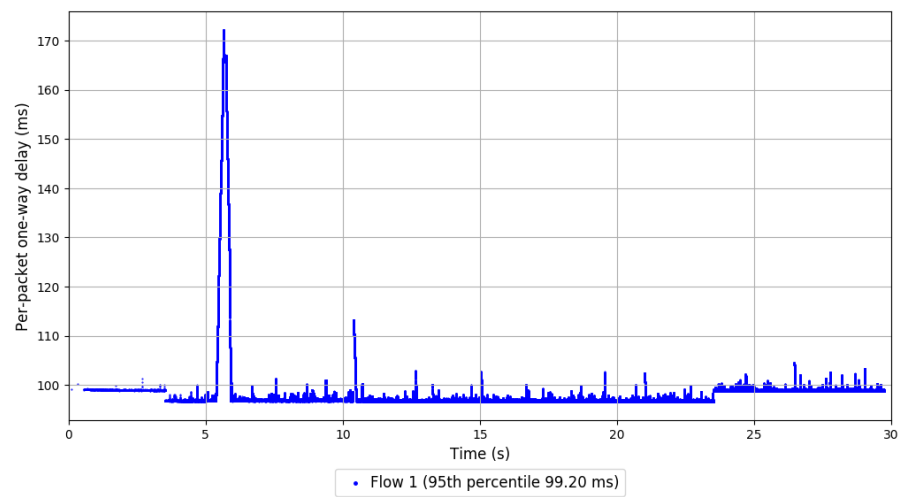
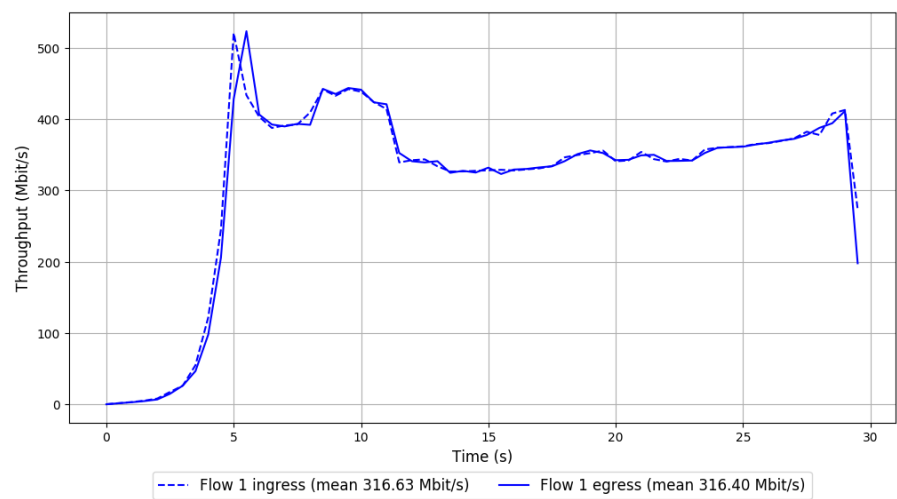
-- Flow 1:

Average throughput: 316.40 Mbit/s

95th percentile per-packet one-way delay: 99.201 ms

Loss rate: 0.83%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 07:18:29

End at: 2018-04-17 07:18:59

# Below is generated by plot.py at 2018-04-17 11:13:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 283.23 Mbit/s

95th percentile per-packet one-way delay: 126.076 ms

Loss rate: 1.12%

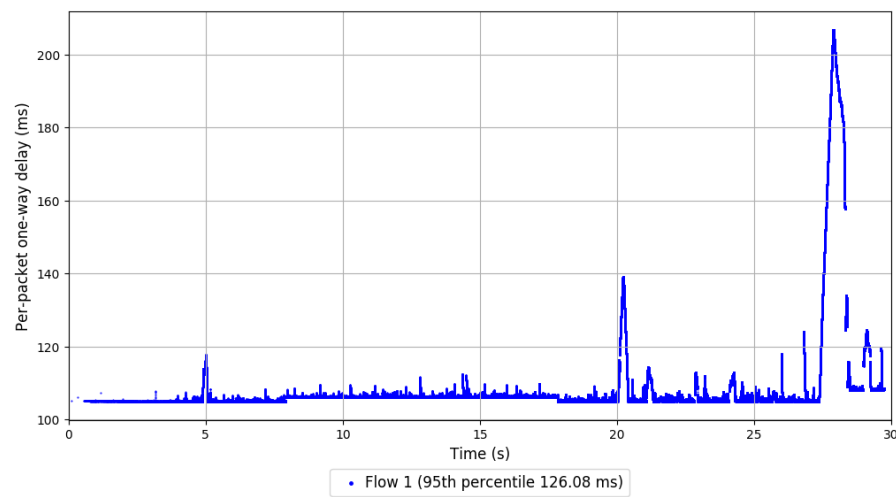
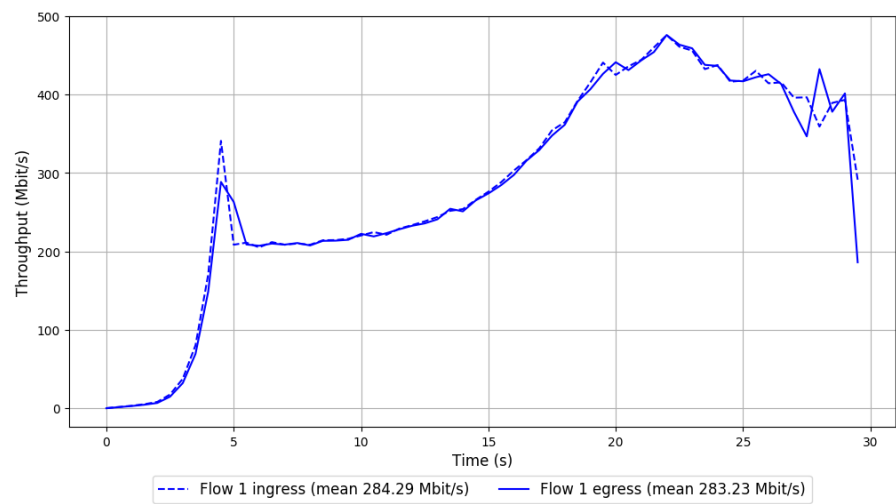
-- Flow 1:

Average throughput: 283.23 Mbit/s

95th percentile per-packet one-way delay: 126.076 ms

Loss rate: 1.12%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 07:32:48

End at: 2018-04-17 07:33:18

# Below is generated by plot.py at 2018-04-17 11:13:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 225.86 Mbit/s

95th percentile per-packet one-way delay: 115.075 ms

Loss rate: 1.60%

-- Flow 1:

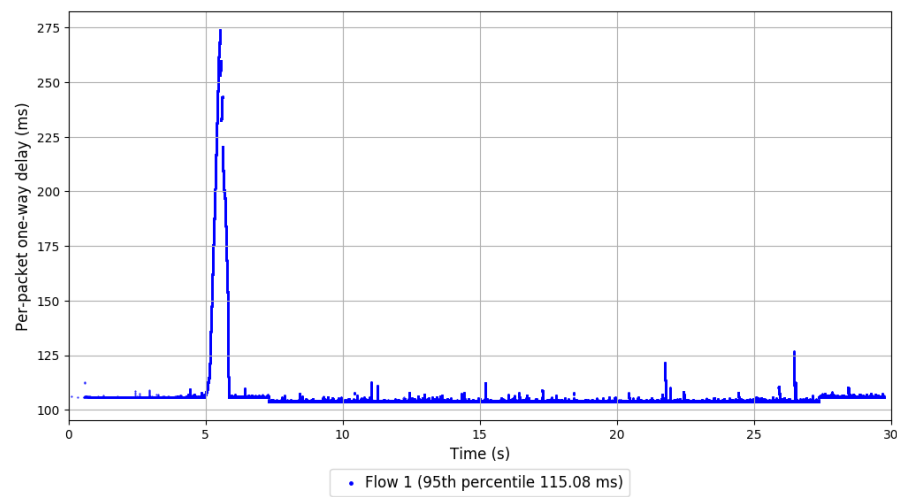
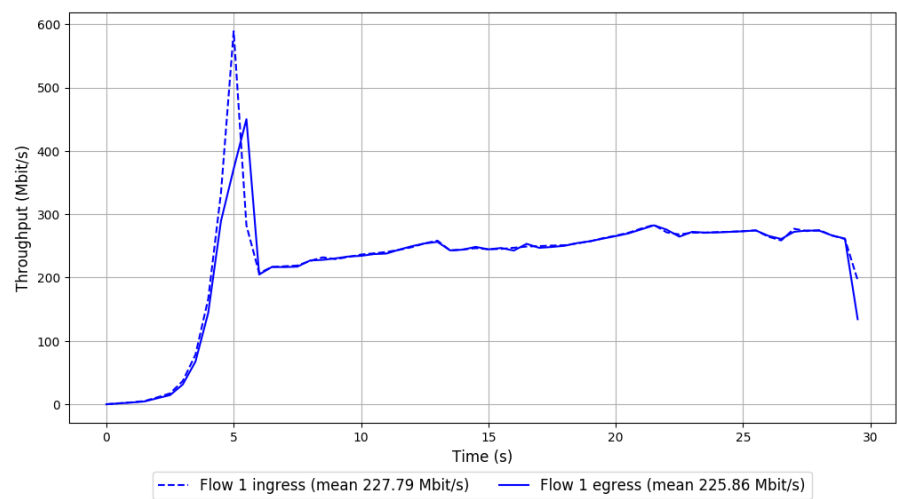
Average throughput: 225.86 Mbit/s

95th percentile per-packet one-way delay: 115.075 ms

Loss rate: 1.60%



Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 07:46:49

End at: 2018-04-17 07:47:19

# Below is generated by plot.py at 2018-04-17 11:13:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 233.74 Mbit/s

95th percentile per-packet one-way delay: 111.369 ms

Loss rate: 1.23%

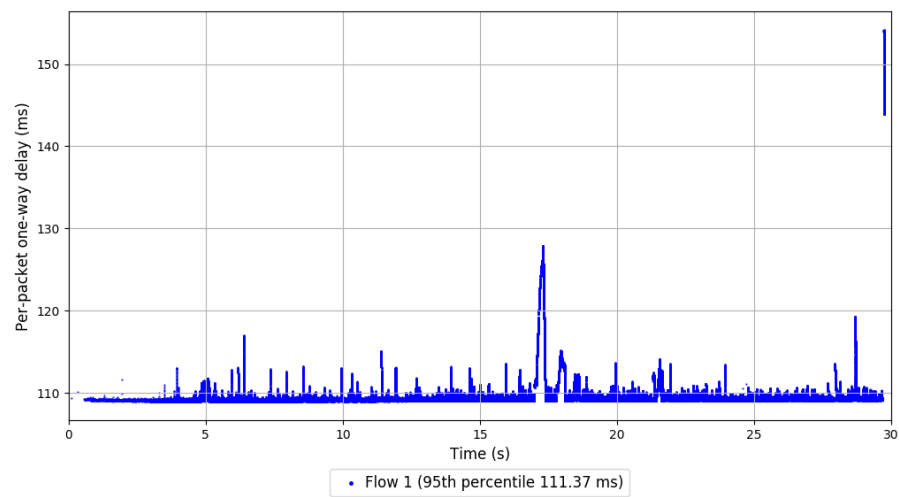
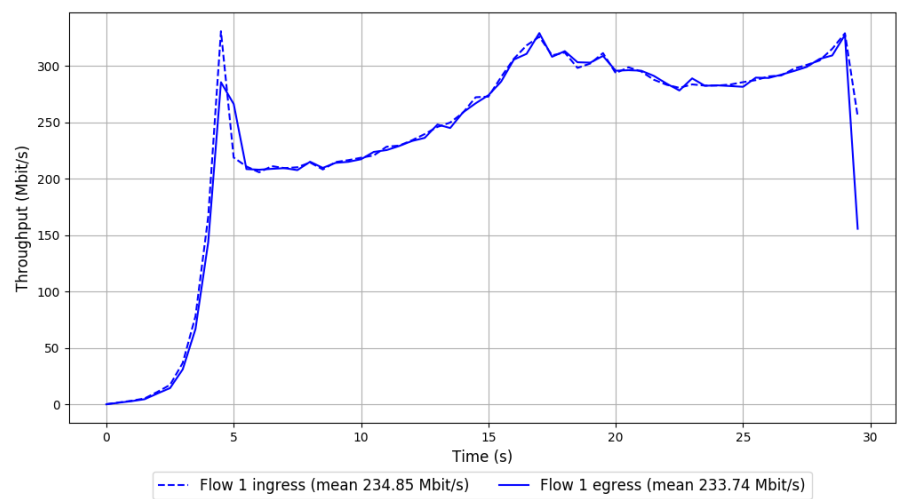
-- Flow 1:

Average throughput: 233.74 Mbit/s

95th percentile per-packet one-way delay: 111.369 ms

Loss rate: 1.23%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 05:37:38

End at: 2018-04-17 05:38:08

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 05:51:23

End at: 2018-04-17 05:51:53

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 06:05:20

End at: 2018-04-17 06:05:50



Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 06:19:14

End at: 2018-04-17 06:19:44

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 06:33:07

End at: 2018-04-17 06:33:37

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 06:46:55

End at: 2018-04-17 06:47:25

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 07:00:50

End at: 2018-04-17 07:01:20



Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 07:14:58

End at: 2018-04-17 07:15:28

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 07:29:16

End at: 2018-04-17 07:29:46

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 07:43:15

End at: 2018-04-17 07:43:45

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing