

## Pantheon Report

Generated at 2018-04-24 11:52:21 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 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).

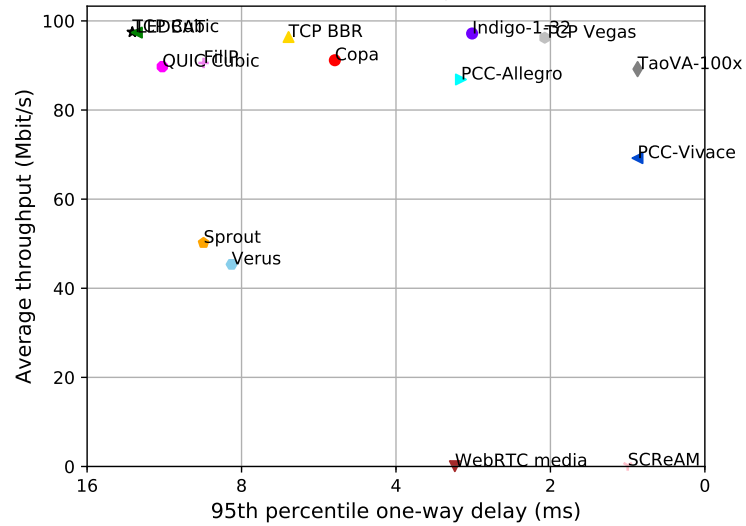
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

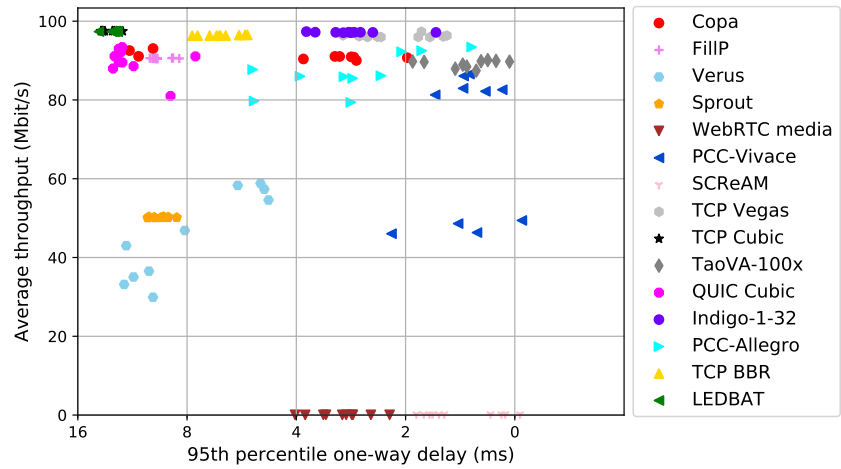
Git summary:

```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fixp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
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 Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 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     | 96.39                            | 6.48                                | 0.02                         |
| TCP Cubic    | 10     | 97.49                            | 13.06                               | 0.05                         |
| LEDBAT       | 10     | 97.38                            | 12.80                               | 0.04                         |
| PCC-Allegro  | 10     | 86.85                            | 2.99                                | 0.01                         |
| QUIC Cubic   | 10     | 89.74                            | 11.42                               | 0.03                         |
| SCReAM       | 10     | 0.22                             | 1.00                                | 0.00                         |
| WebRTC media | 10     | 0.06                             | 3.07                                | 0.00                         |
| Sprout       | 10     | 50.20                            | 9.49                                | 0.01                         |
| TaoVA-100x   | 10     | 89.18                            | 0.87                                | 0.01                         |
| TCP Vegas    | 10     | 96.22                            | 2.05                                | 0.01                         |
| Verus        | 10     | 45.36                            | 8.36                                | 0.01                         |
| Copa         | 10     | 91.17                            | 5.26                                | 0.01                         |
| FillP        | 10     | 90.56                            | 9.48                                | 0.02                         |
| Indigo-1-32  | 10     | 97.17                            | 2.84                                | 0.01                         |
| PCC-Vivace   | 10     | 69.20                            | 0.87                                | 0.01                         |
| PCC-Expr     | 0      | N/A                              | N/A                                 | N/A                          |

Run 1: Statistics of TCP BBR

Start at: 2018-04-24 05:06:47

End at: 2018-04-24 05:07:17

Local clock offset: -8.232 ms

Remote clock offset: -6.703 ms

# Below is generated by plot.py at 2018-04-24 11:29:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 6.516 ms

Loss rate: 0.02%

-- Flow 1:

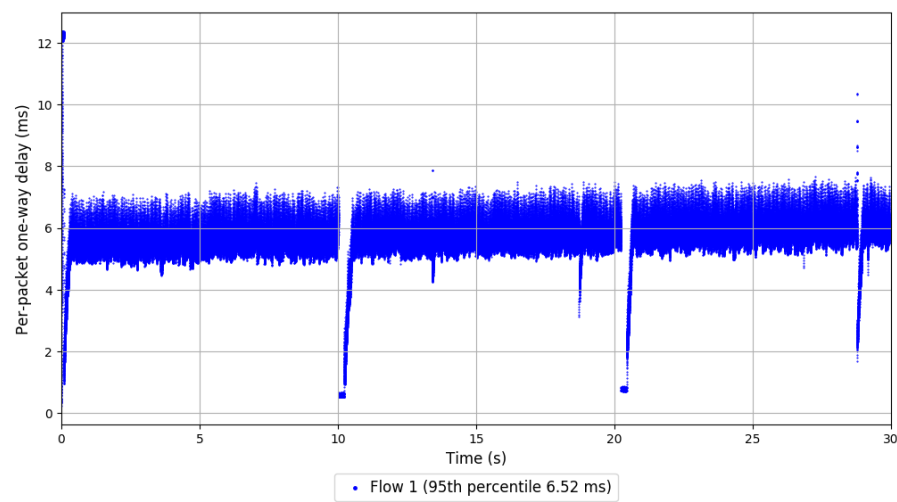
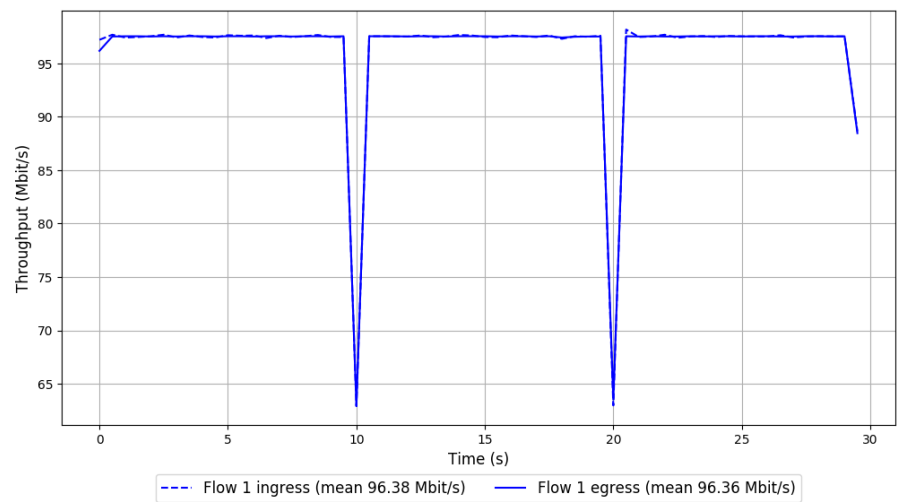
Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 6.516 ms

Loss rate: 0.02%



Run 1: Report of TCP BBR — Data Link

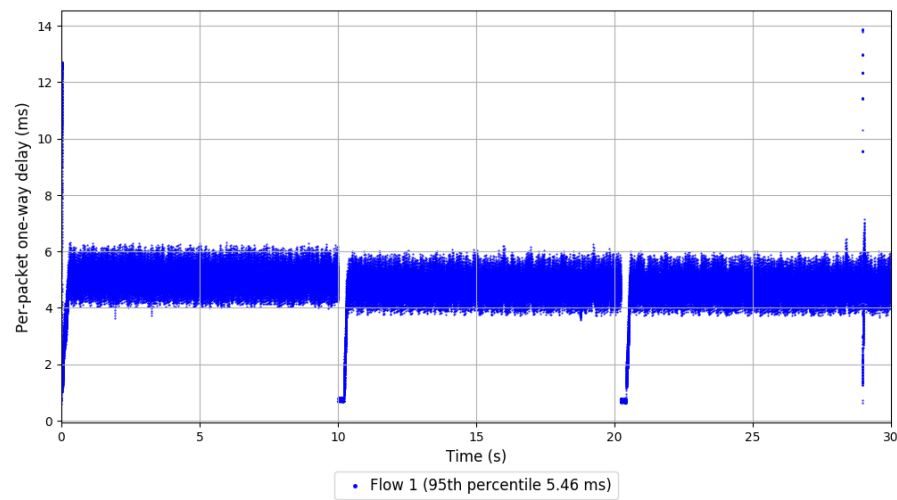
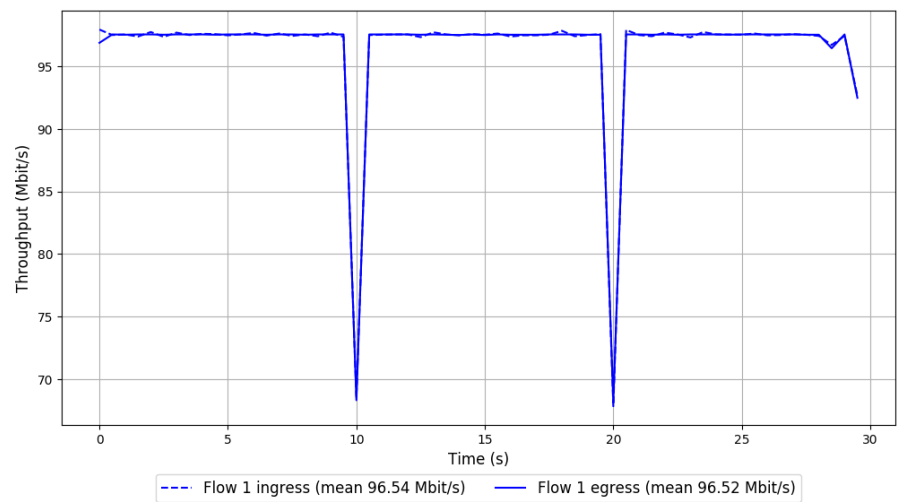


Run 2: Statistics of TCP BBR

Start at: 2018-04-24 05:25:48  
End at: 2018-04-24 05:26:18  
Local clock offset: -10.408 ms  
Remote clock offset: -6.629 ms

# Below is generated by plot.py at 2018-04-24 11:29:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 5.455 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 5.455 ms  
Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link

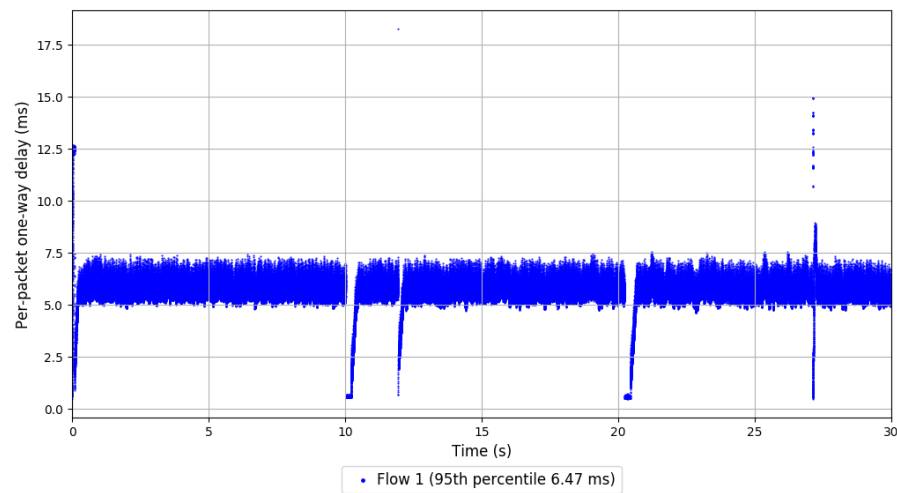
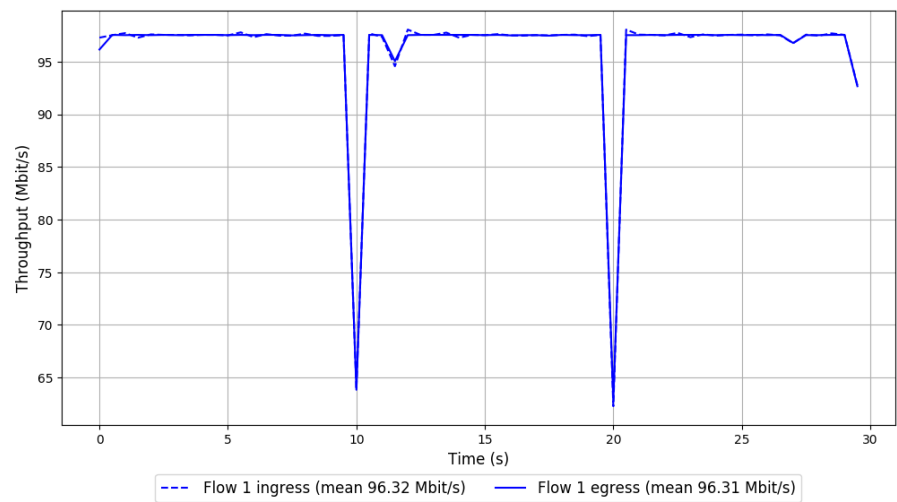


Run 3: Statistics of TCP BBR

Start at: 2018-04-24 05:44:53  
End at: 2018-04-24 05:45:23  
Local clock offset: -11.407 ms  
Remote clock offset: -6.549 ms

# Below is generated by plot.py at 2018-04-24 11:29:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.31 Mbit/s  
95th percentile per-packet one-way delay: 6.473 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.31 Mbit/s  
95th percentile per-packet one-way delay: 6.473 ms  
Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link

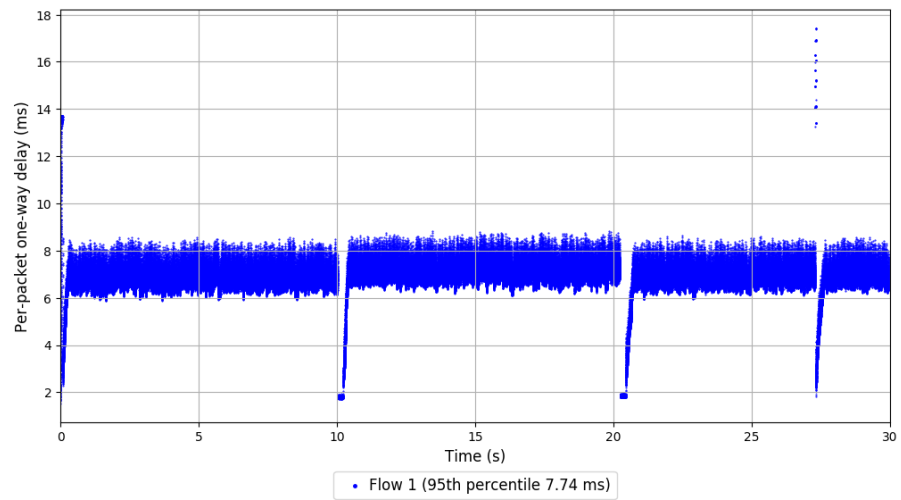
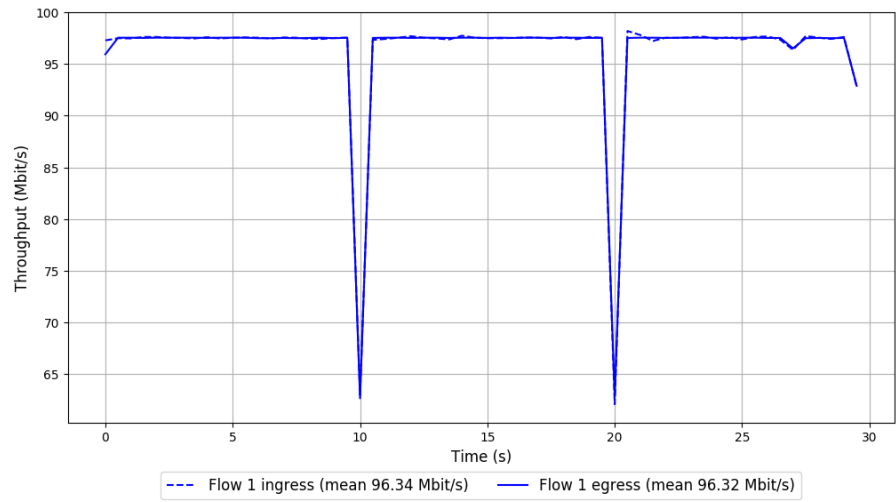


Run 4: Statistics of TCP BBR

Start at: 2018-04-24 06:03:55  
End at: 2018-04-24 06:04:25  
Local clock offset: -11.694 ms  
Remote clock offset: -6.416 ms

# Below is generated by plot.py at 2018-04-24 11:29:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.32 Mbit/s  
95th percentile per-packet one-way delay: 7.744 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.32 Mbit/s  
95th percentile per-packet one-way delay: 7.744 ms  
Loss rate: 0.02%

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



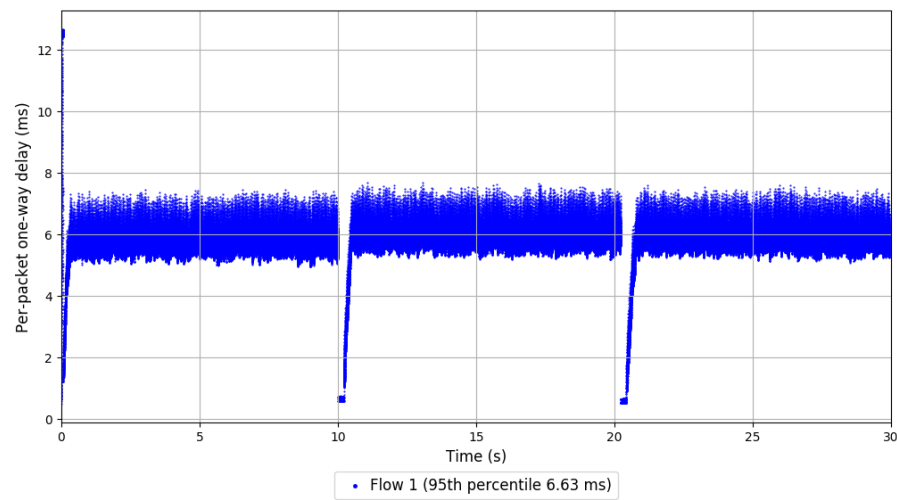
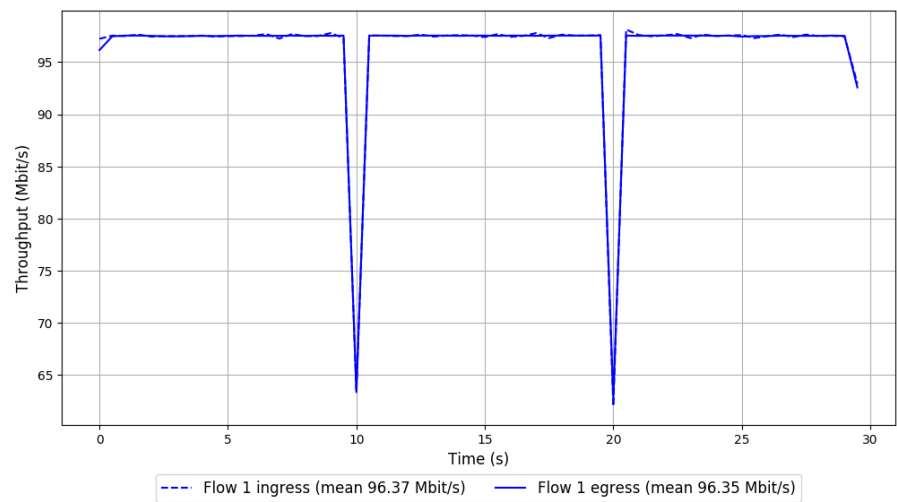
Run 5: Statistics of TCP BBR

Start at: 2018-04-24 06:22:58  
End at: 2018-04-24 06:23:28  
Local clock offset: -11.641 ms  
Remote clock offset: -6.875 ms

# Below is generated by plot.py at 2018-04-24 11:29:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.35 Mbit/s  
95th percentile per-packet one-way delay: 6.634 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 96.35 Mbit/s  
95th percentile per-packet one-way delay: 6.634 ms  
Loss rate: 0.03%



Run 5: Report of TCP BBR — Data Link

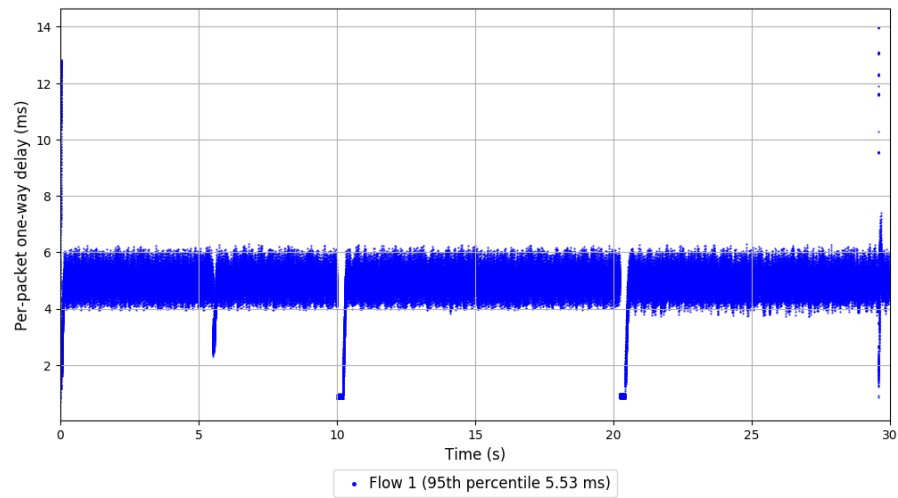
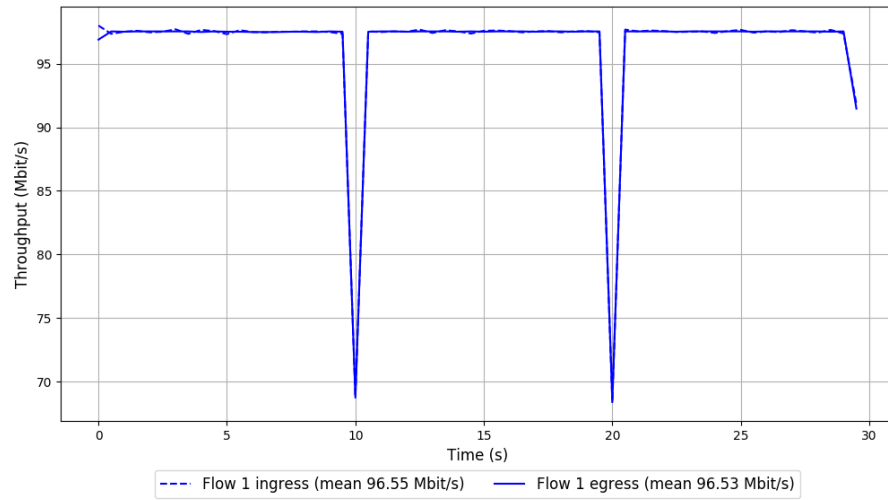


Run 6: Statistics of TCP BBR

Start at: 2018-04-24 06:42:02  
End at: 2018-04-24 06:42:32  
Local clock offset: -10.307 ms  
Remote clock offset: -6.926 ms

# Below is generated by plot.py at 2018-04-24 11:29:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.53 Mbit/s  
95th percentile per-packet one-way delay: 5.533 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.53 Mbit/s  
95th percentile per-packet one-way delay: 5.533 ms  
Loss rate: 0.02%

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

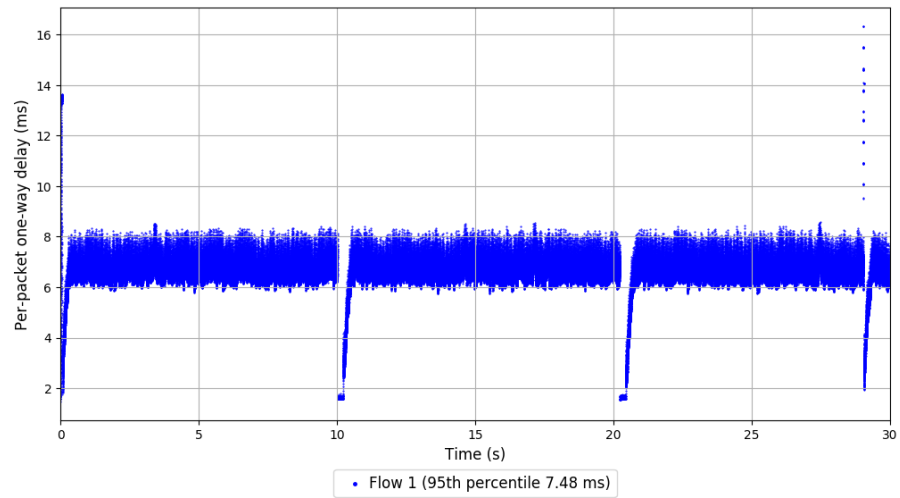
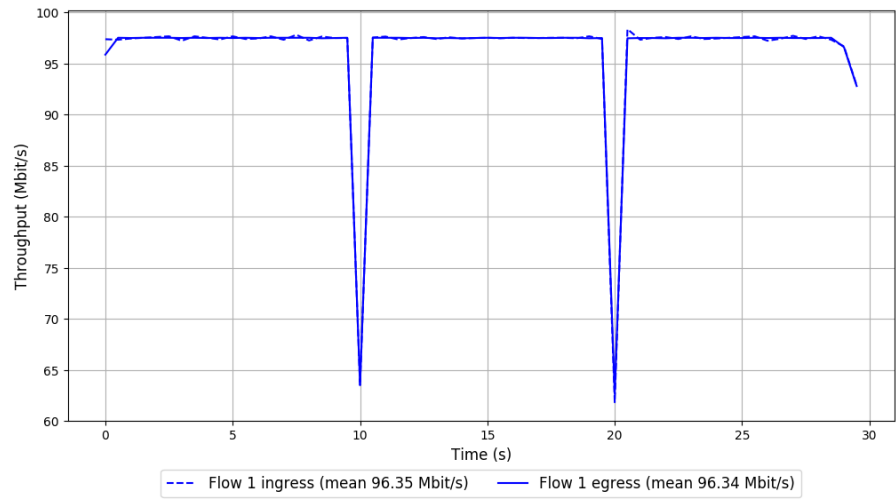


Run 7: Statistics of TCP BBR

Start at: 2018-04-24 07:01:04  
End at: 2018-04-24 07:01:34  
Local clock offset: -7.689 ms  
Remote clock offset: -6.938 ms

# Below is generated by plot.py at 2018-04-24 11:29:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.34 Mbit/s  
95th percentile per-packet one-way delay: 7.482 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.34 Mbit/s  
95th percentile per-packet one-way delay: 7.482 ms  
Loss rate: 0.02%

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

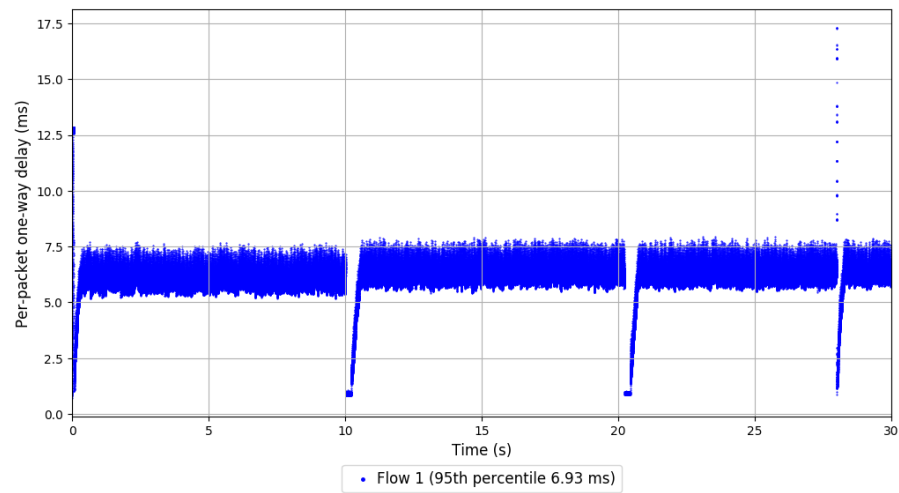
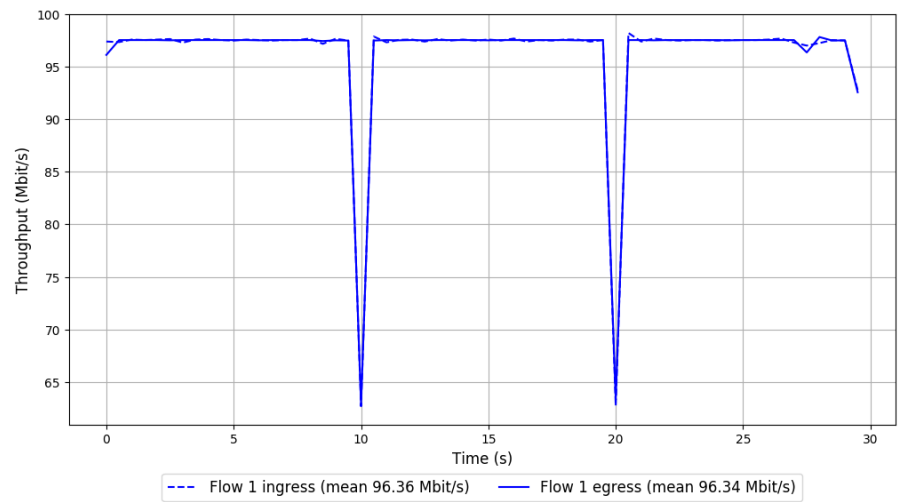


Run 8: Statistics of TCP BBR

Start at: 2018-04-24 07:20:07  
End at: 2018-04-24 07:20:37  
Local clock offset: -8.559 ms  
Remote clock offset: -6.603 ms

# Below is generated by plot.py at 2018-04-24 11:29:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.34 Mbit/s  
95th percentile per-packet one-way delay: 6.932 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.34 Mbit/s  
95th percentile per-packet one-way delay: 6.932 ms  
Loss rate: 0.02%

Run 8: Report of TCP BBR — Data Link



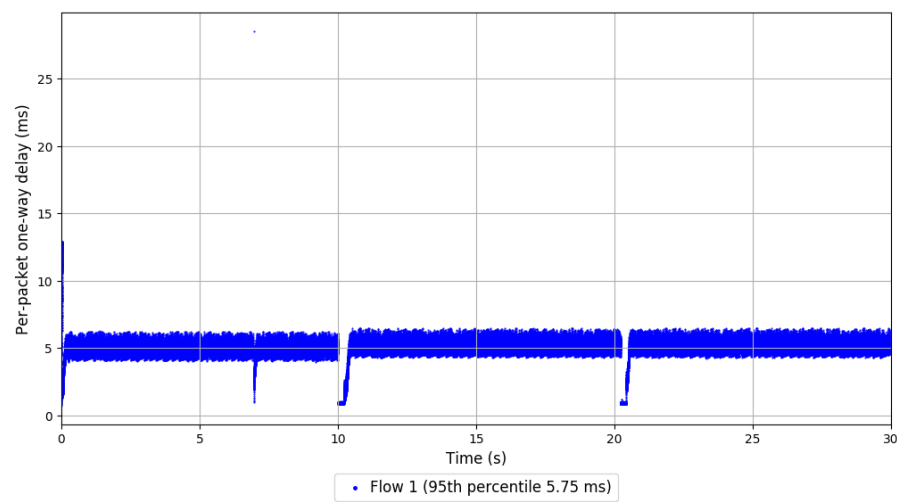
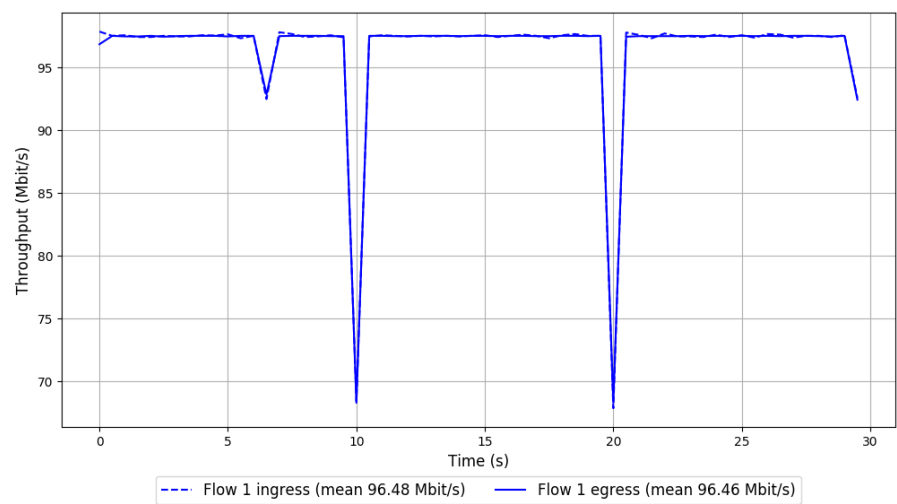
Run 9: Statistics of TCP BBR

Start at: 2018-04-24 07:39:11  
End at: 2018-04-24 07:39:41  
Local clock offset: -7.137 ms  
Remote clock offset: -6.261 ms

# Below is generated by plot.py at 2018-04-24 11:31:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.46 Mbit/s  
95th percentile per-packet one-way delay: 5.751 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.46 Mbit/s  
95th percentile per-packet one-way delay: 5.751 ms  
Loss rate: 0.02%



Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-04-24 07:58:14

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

Local clock offset: -7.171 ms

Remote clock offset: -6.504 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 6.262 ms

Loss rate: 0.02%

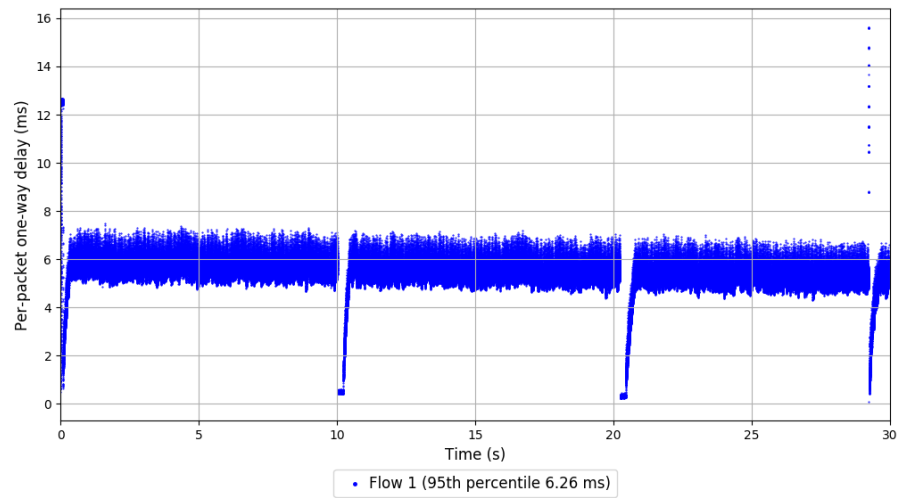
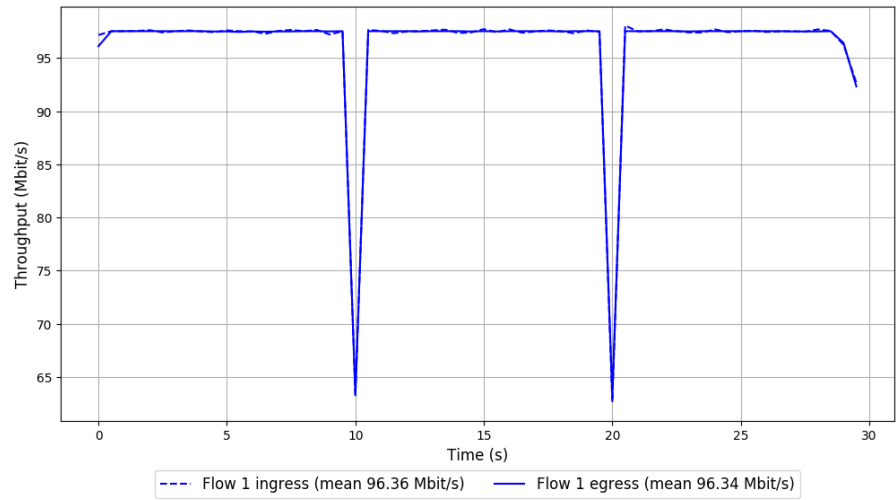
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 6.262 ms

Loss rate: 0.02%

# Run 10: Report of TCP BBR — Data Link

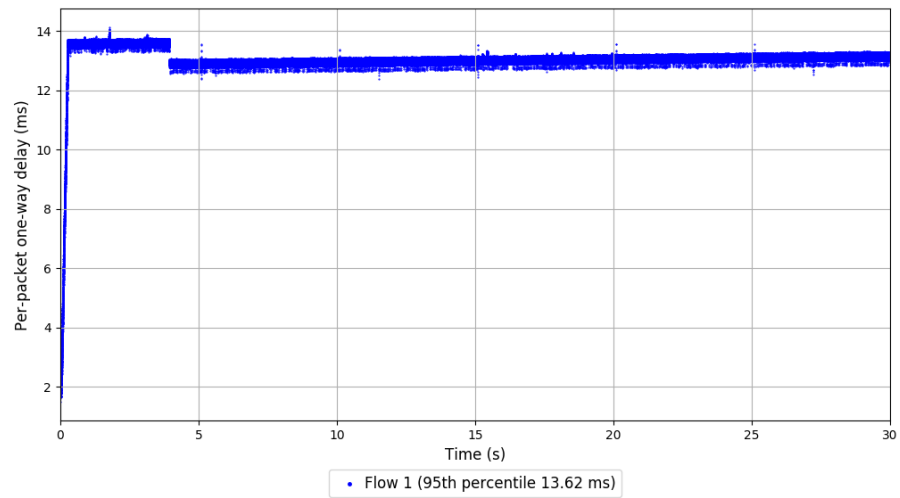
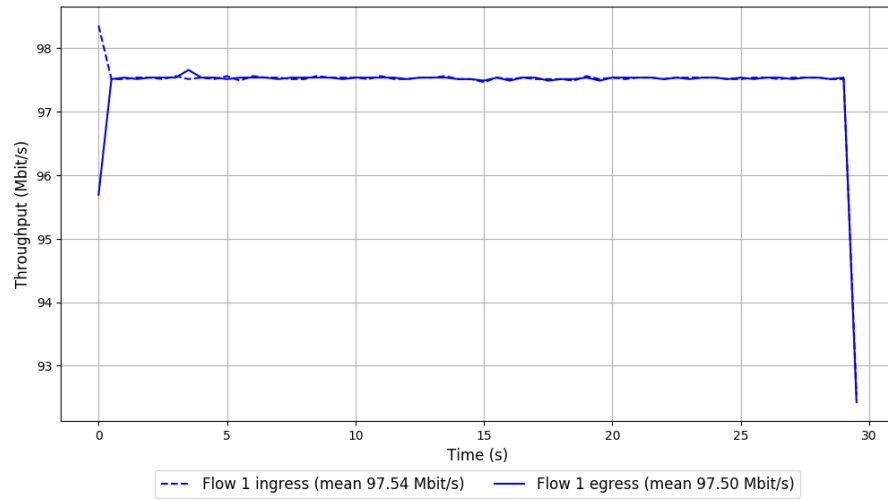


Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 05:21:18  
End at: 2018-04-24 05:21:48  
Local clock offset: -11.133 ms  
Remote clock offset: -6.677 ms

# Below is generated by plot.py at 2018-04-24 11:31:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.50 Mbit/s  
95th percentile per-packet one-way delay: 13.623 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.50 Mbit/s  
95th percentile per-packet one-way delay: 13.623 ms  
Loss rate: 0.05%

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

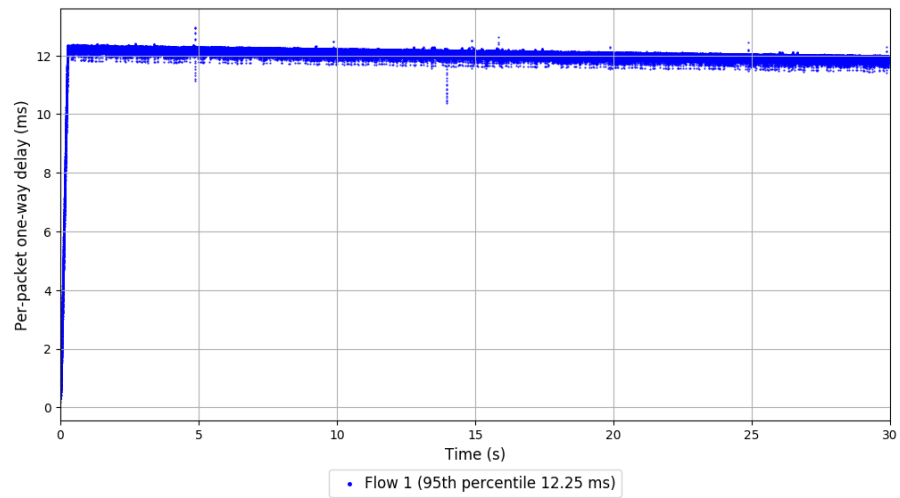
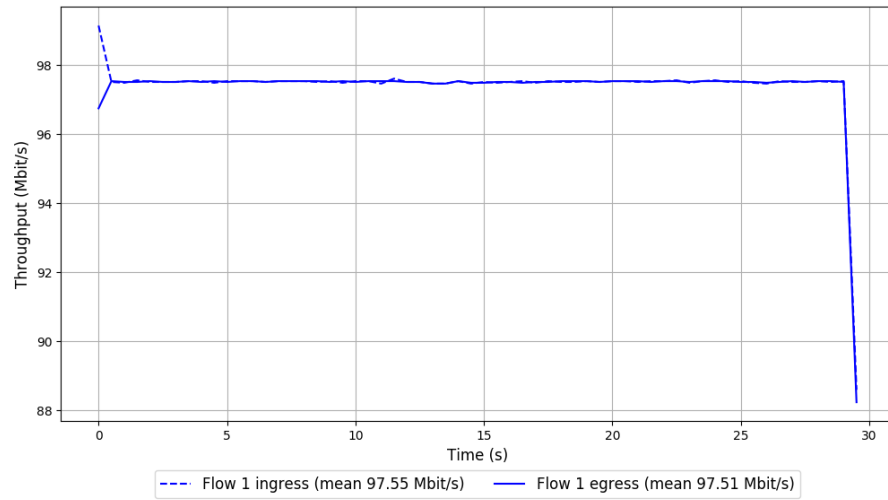


Run 2: Statistics of TCP Cubic

Start at: 2018-04-24 05:40:23  
End at: 2018-04-24 05:40:53  
Local clock offset: -14.047 ms  
Remote clock offset: -6.546 ms

# Below is generated by plot.py at 2018-04-24 11:31:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.51 Mbit/s  
95th percentile per-packet one-way delay: 12.247 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.51 Mbit/s  
95th percentile per-packet one-way delay: 12.247 ms  
Loss rate: 0.05%

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



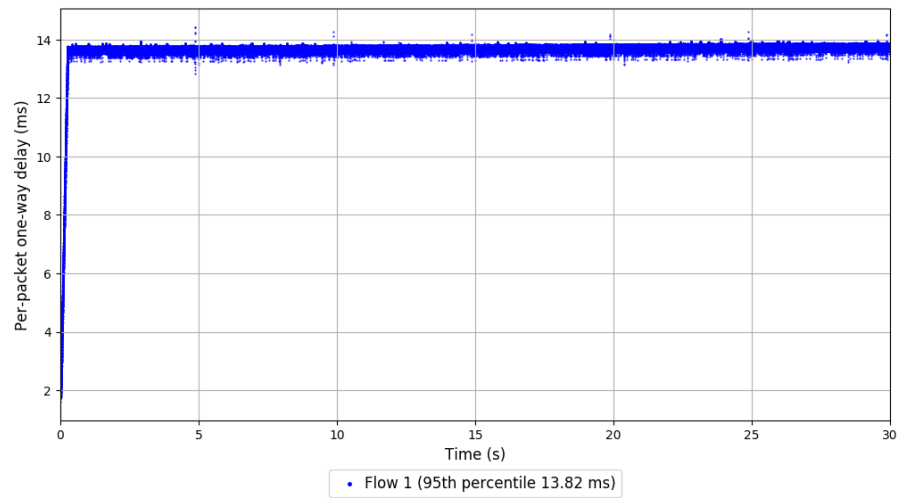
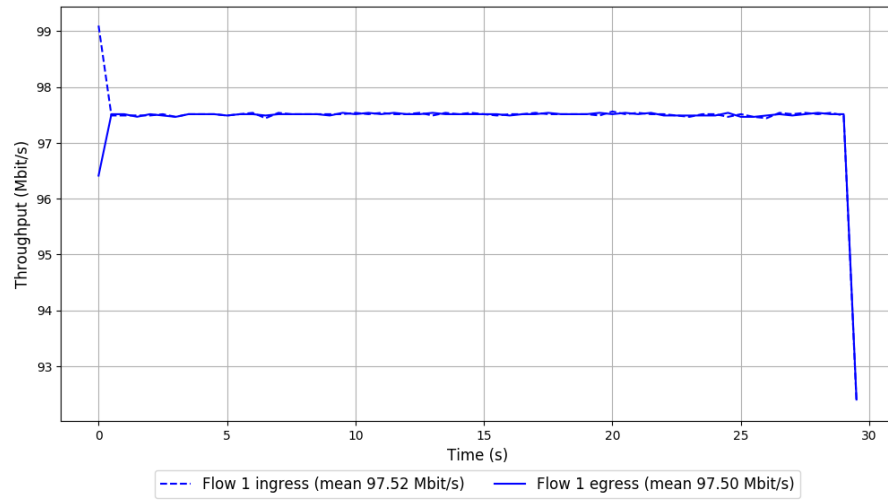
Run 3: Statistics of TCP Cubic

Start at: 2018-04-24 05:59:25  
End at: 2018-04-24 05:59:55  
Local clock offset: -10.579 ms  
Remote clock offset: -6.454 ms

# Below is generated by plot.py at 2018-04-24 11:31:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.50 Mbit/s  
95th percentile per-packet one-way delay: 13.819 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.50 Mbit/s  
95th percentile per-packet one-way delay: 13.819 ms  
Loss rate: 0.05%



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

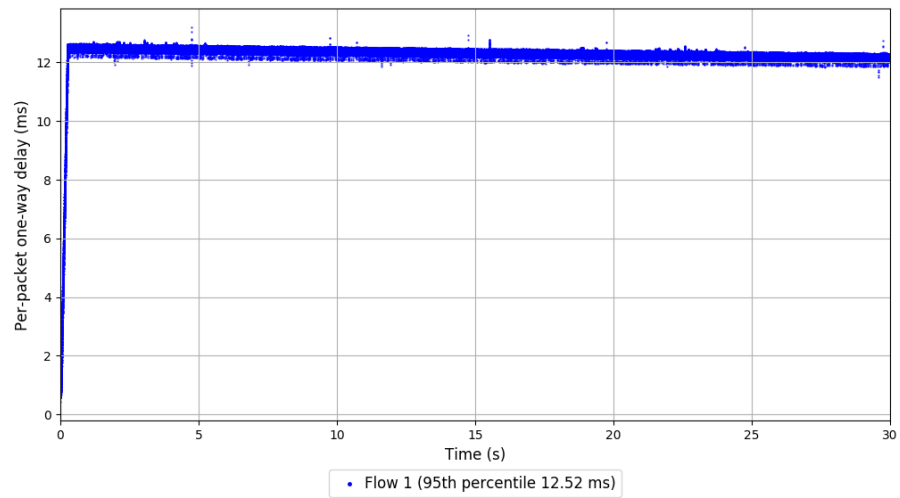
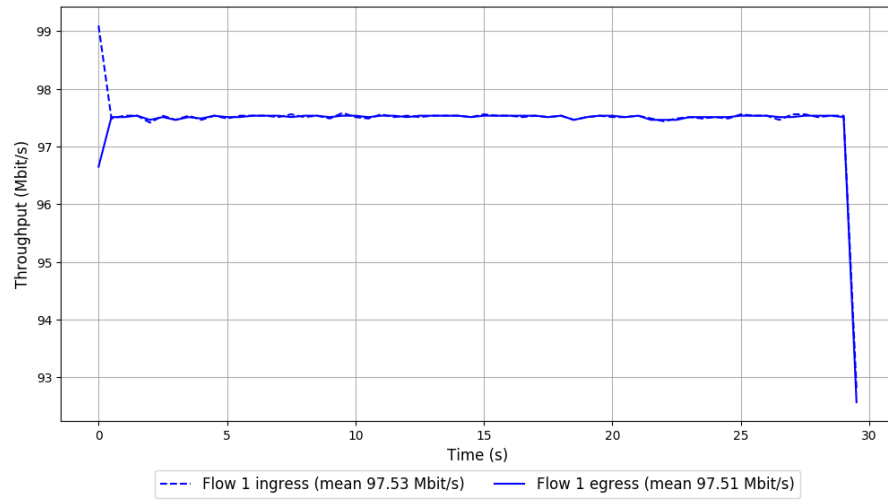


Run 4: Statistics of TCP Cubic

Start at: 2018-04-24 06:18:27  
End at: 2018-04-24 06:18:58  
Local clock offset: -14.006 ms  
Remote clock offset: -6.897 ms

# Below is generated by plot.py at 2018-04-24 11:31:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.51 Mbit/s  
95th percentile per-packet one-way delay: 12.518 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.51 Mbit/s  
95th percentile per-packet one-way delay: 12.518 ms  
Loss rate: 0.05%

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

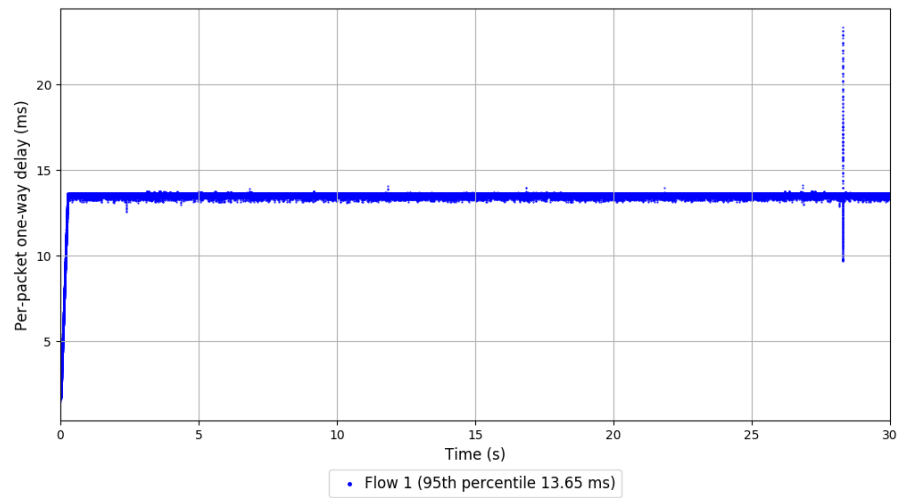
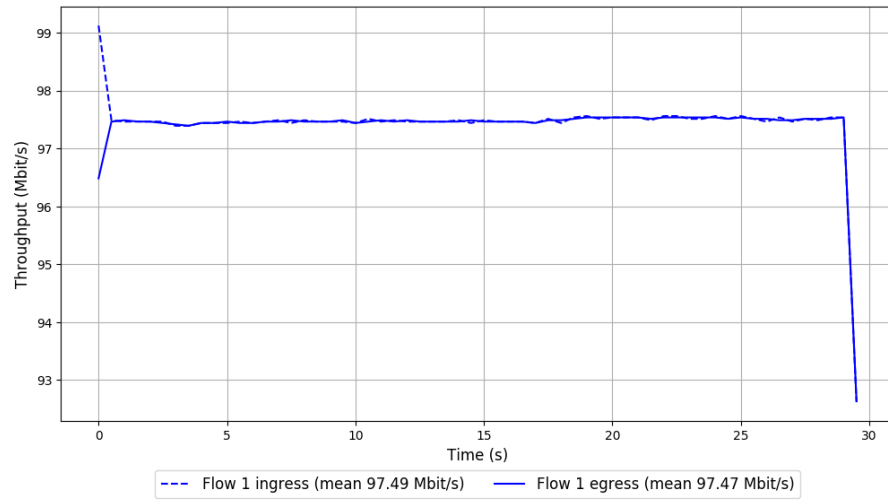


Run 5: Statistics of TCP Cubic

Start at: 2018-04-24 06:37:32  
End at: 2018-04-24 06:38:02  
Local clock offset: -9.215 ms  
Remote clock offset: -6.924 ms

# Below is generated by plot.py at 2018-04-24 11:31:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 13.647 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 13.647 ms  
Loss rate: 0.04%

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

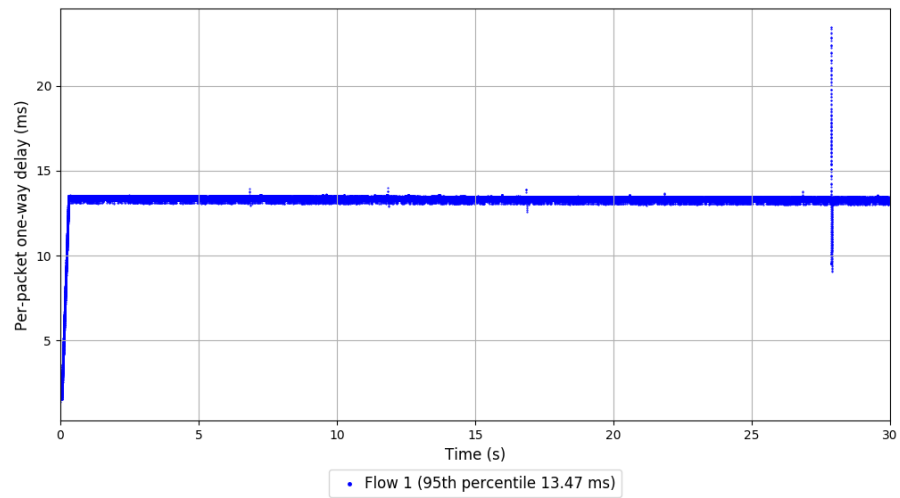
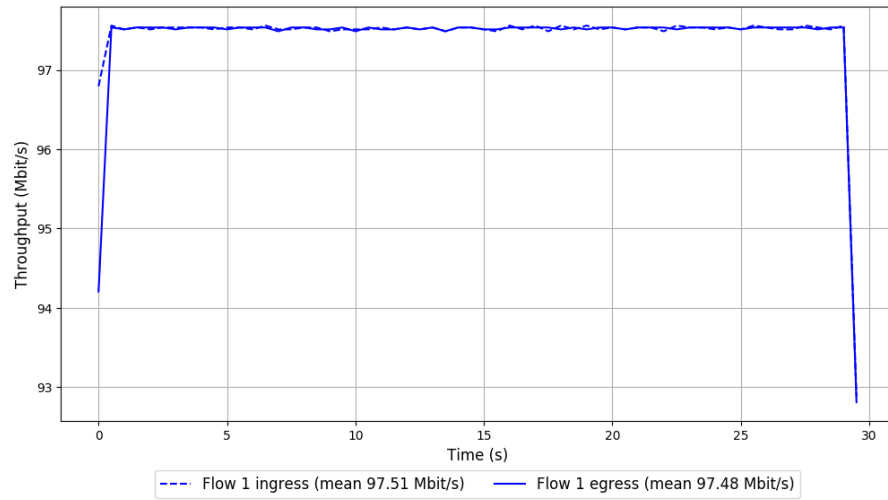


Run 6: Statistics of TCP Cubic

Start at: 2018-04-24 06:56:34  
End at: 2018-04-24 06:57:04  
Local clock offset: -8.31 ms  
Remote clock offset: -6.937 ms

# Below is generated by plot.py at 2018-04-24 11:31:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 13.469 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 13.469 ms  
Loss rate: 0.05%

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



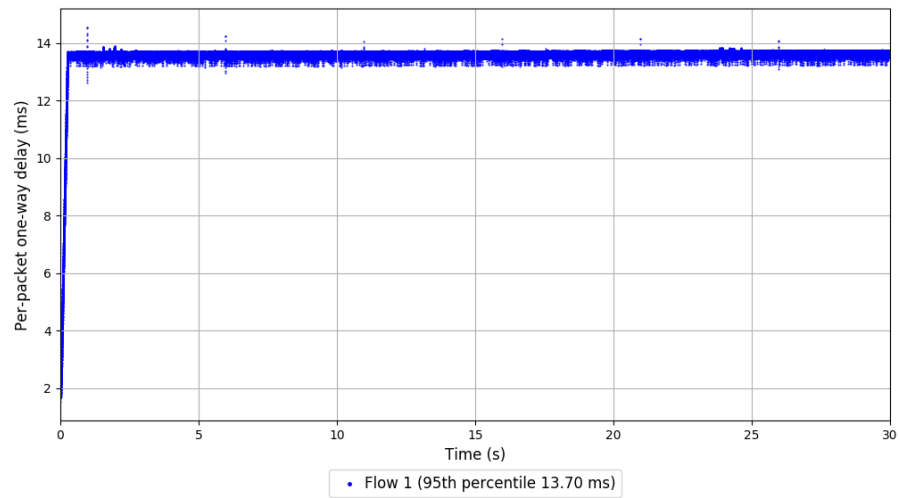
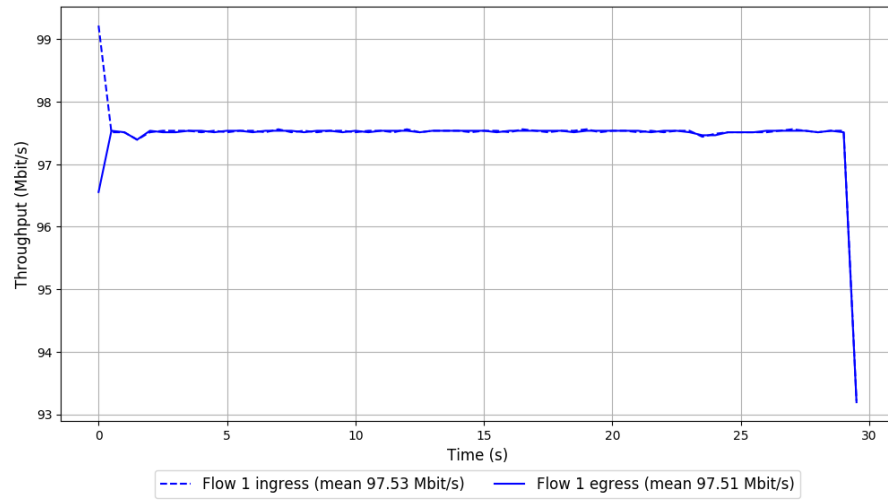
Run 7: Statistics of TCP Cubic

Start at: 2018-04-24 07:15:37  
End at: 2018-04-24 07:16:07  
Local clock offset: -7.573 ms  
Remote clock offset: -6.885 ms

# Below is generated by plot.py at 2018-04-24 11:32:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.51 Mbit/s  
95th percentile per-packet one-way delay: 13.703 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.51 Mbit/s  
95th percentile per-packet one-way delay: 13.703 ms  
Loss rate: 0.05%



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

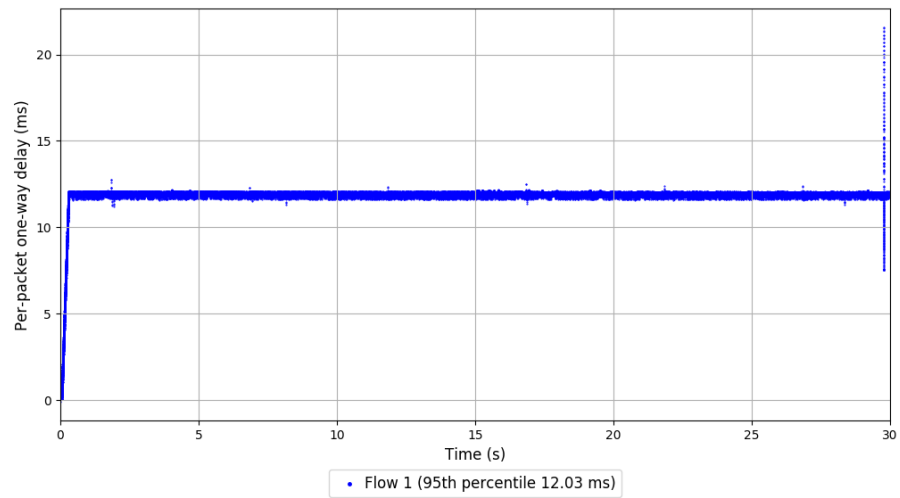
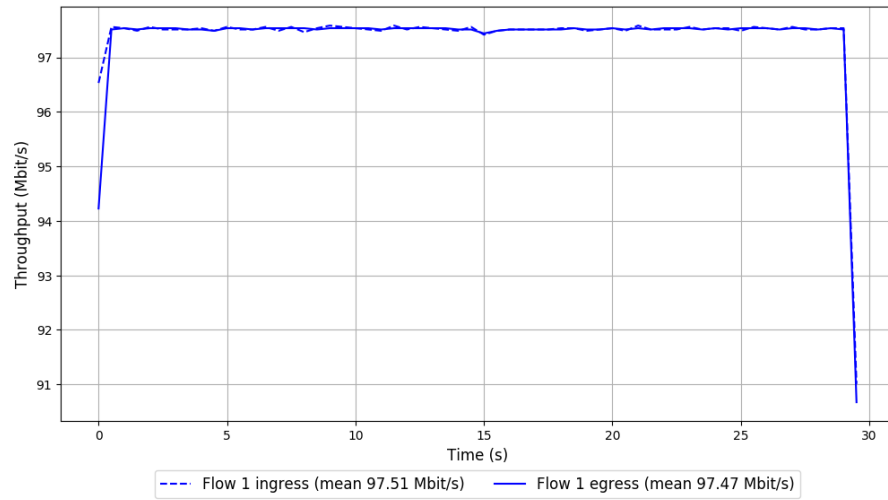


Run 8: Statistics of TCP Cubic

Start at: 2018-04-24 07:34:41  
End at: 2018-04-24 07:35:11  
Local clock offset: -8.033 ms  
Remote clock offset: -6.242 ms

# Below is generated by plot.py at 2018-04-24 11:32:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 12.034 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 12.034 ms  
Loss rate: 0.05%

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



Run 9: Statistics of TCP Cubic

Start at: 2018-04-24 07:53:44

End at: 2018-04-24 07:54:14

Local clock offset: -7.093 ms

Remote clock offset: -6.39 ms

# Below is generated by plot.py at 2018-04-24 11:32:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 12.846 ms

Loss rate: 0.05%

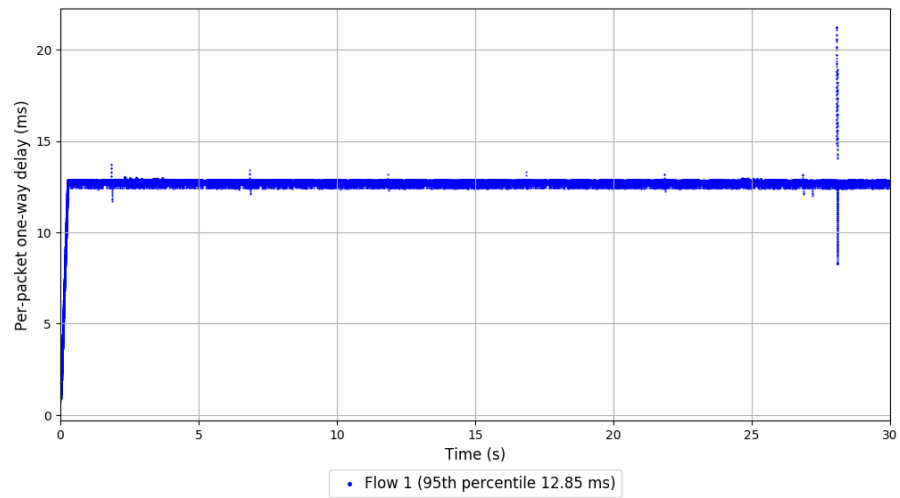
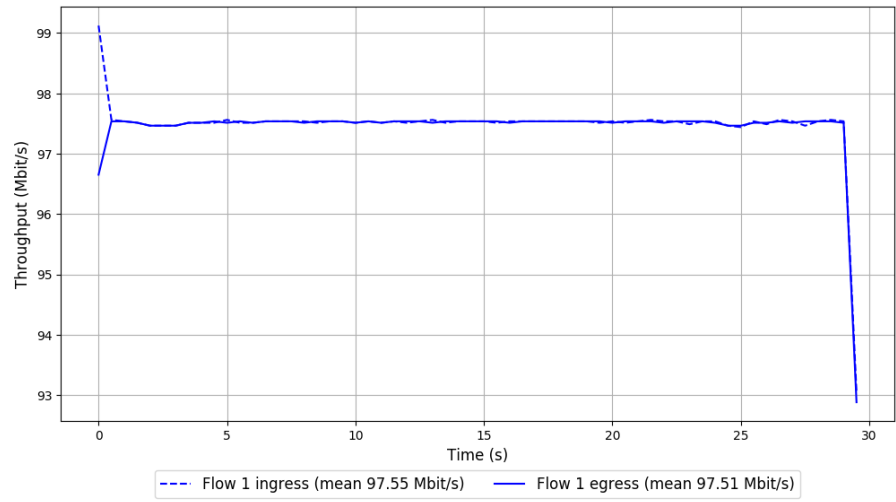
-- Flow 1:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 12.846 ms

Loss rate: 0.05%

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



Run 10: Statistics of TCP Cubic

Start at: 2018-04-24 08:12:47

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

Local clock offset: 1.644 ms

Remote clock offset: -6.73 ms

# Below is generated by plot.py at 2018-04-24 11:32:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 12.708 ms

Loss rate: 0.05%

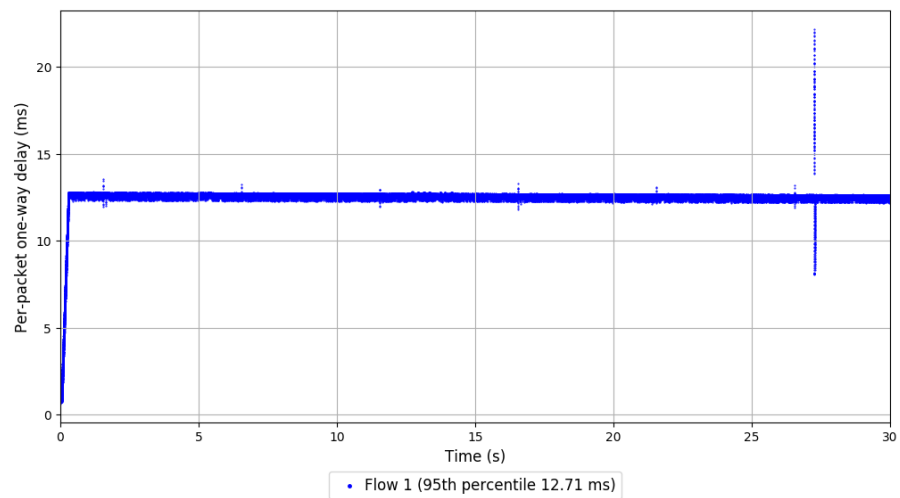
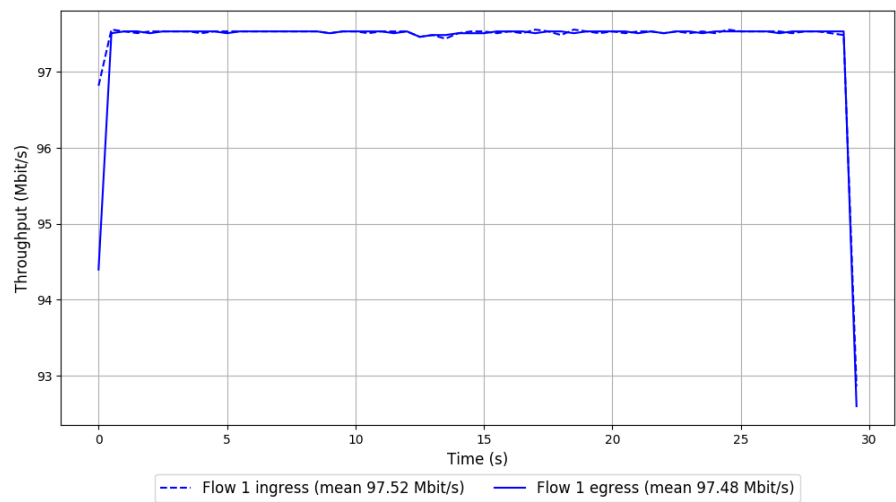
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 12.708 ms

Loss rate: 0.05%

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



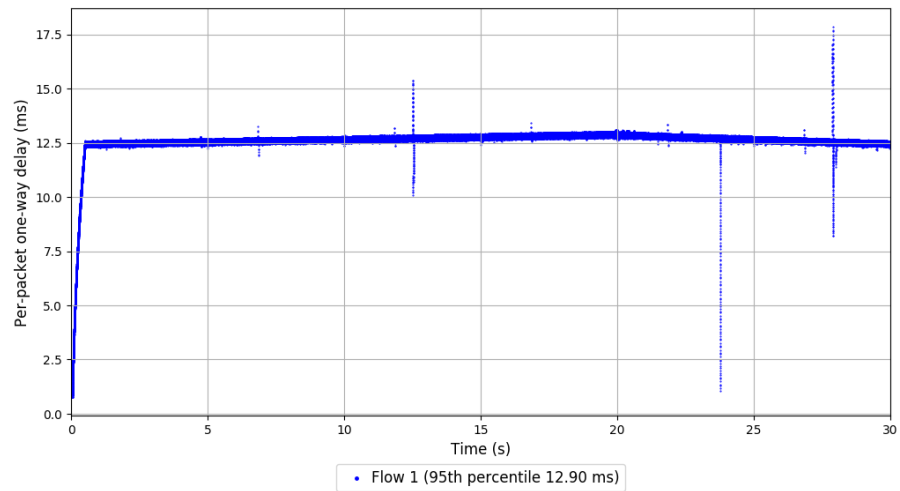
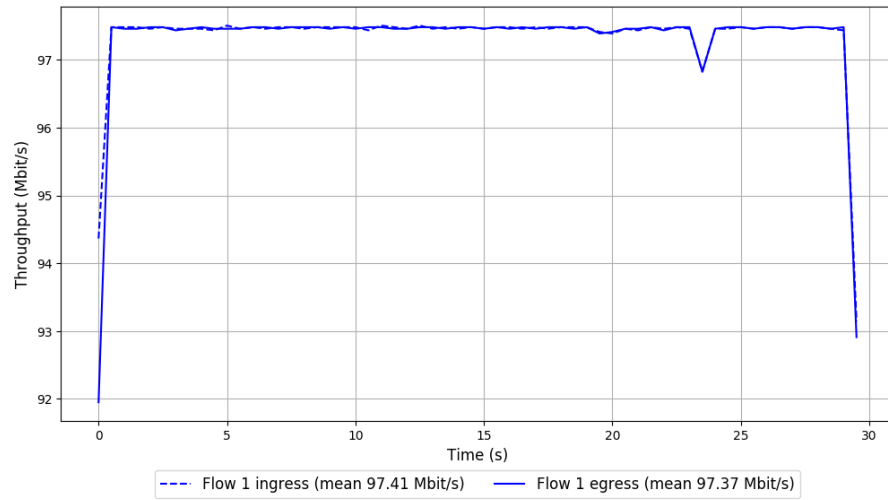
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 05:07:55  
End at: 2018-04-24 05:08:25  
Local clock offset: -9.242 ms  
Remote clock offset: -6.776 ms

# Below is generated by plot.py at 2018-04-24 11:32:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.901 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.901 ms  
Loss rate: 0.05%



# Run 1: Report of LEDBAT — Data Link

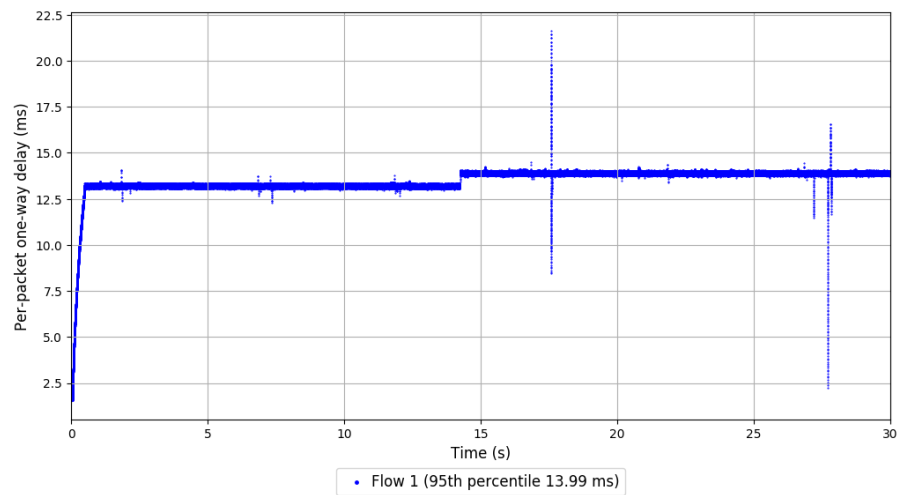
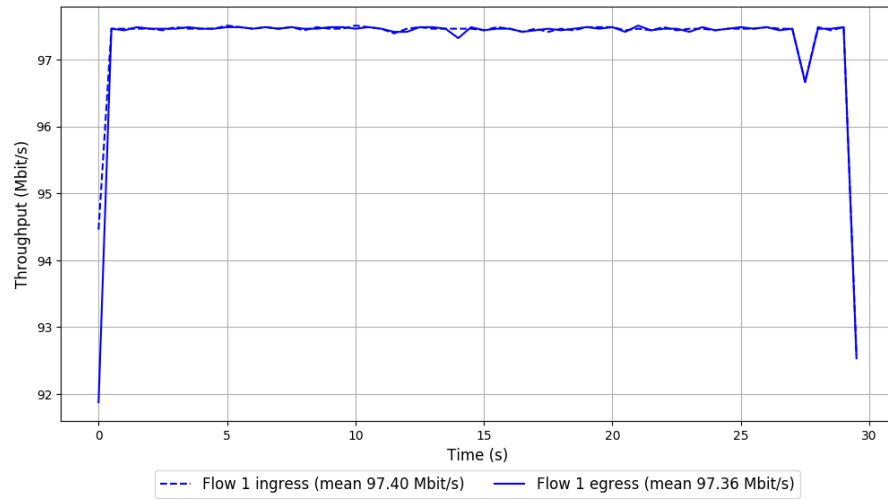


Run 2: Statistics of LEDBAT

Start at: 2018-04-24 05:26:56  
End at: 2018-04-24 05:27:26  
Local clock offset: -9.404 ms  
Remote clock offset: -6.628 ms

# Below is generated by plot.py at 2018-04-24 11:32:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.36 Mbit/s  
95th percentile per-packet one-way delay: 13.994 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.36 Mbit/s  
95th percentile per-packet one-way delay: 13.994 ms  
Loss rate: 0.05%

## Run 2: Report of LEDBAT — Data Link

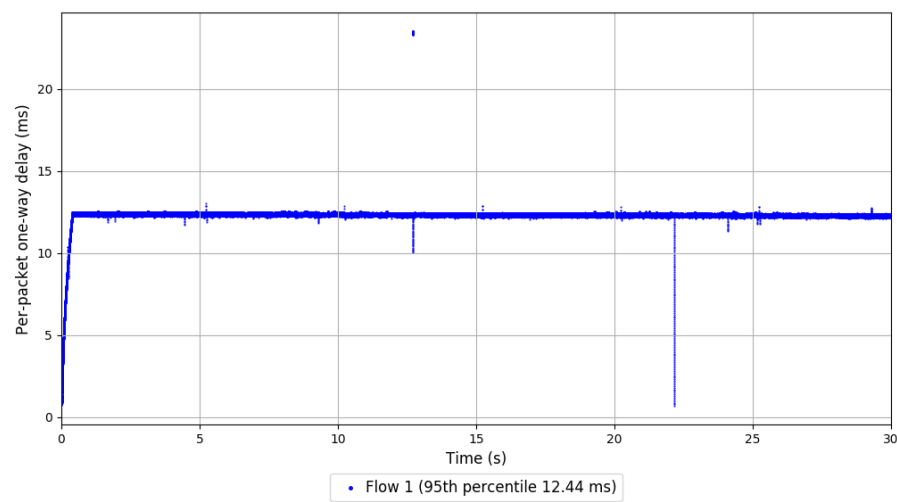
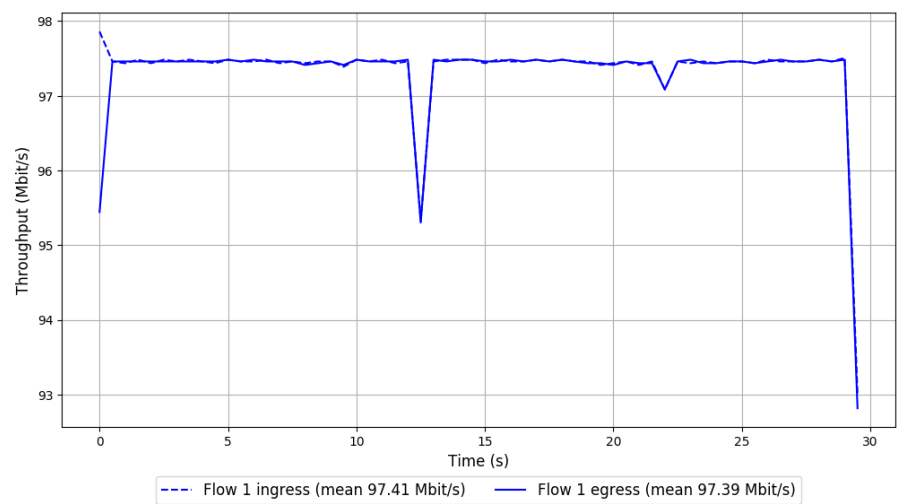


Run 3: Statistics of LEDBAT

Start at: 2018-04-24 05:46:00  
End at: 2018-04-24 05:46:30  
Local clock offset: -10.975 ms  
Remote clock offset: -6.56 ms

# Below is generated by plot.py at 2018-04-24 11:32:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 12.439 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 12.439 ms  
Loss rate: 0.04%

Run 3: Report of LEDBAT — Data Link

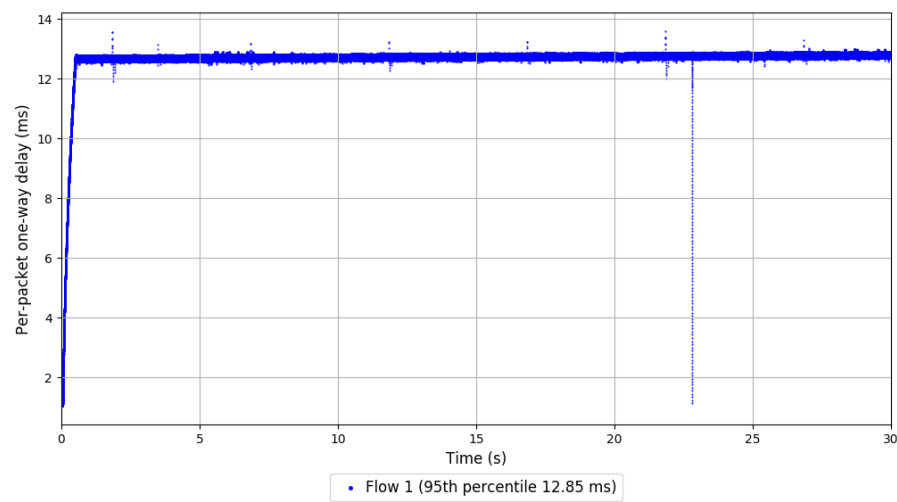
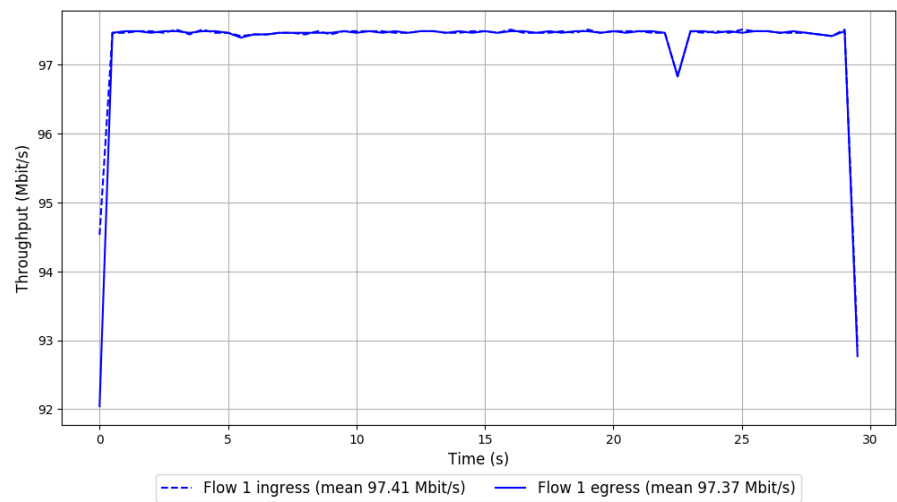


Run 4: Statistics of LEDBAT

Start at: 2018-04-24 06:05:03  
End at: 2018-04-24 06:05:33  
Local clock offset: -12.691 ms  
Remote clock offset: -6.456 ms

# Below is generated by plot.py at 2018-04-24 11:32:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.850 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.850 ms  
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



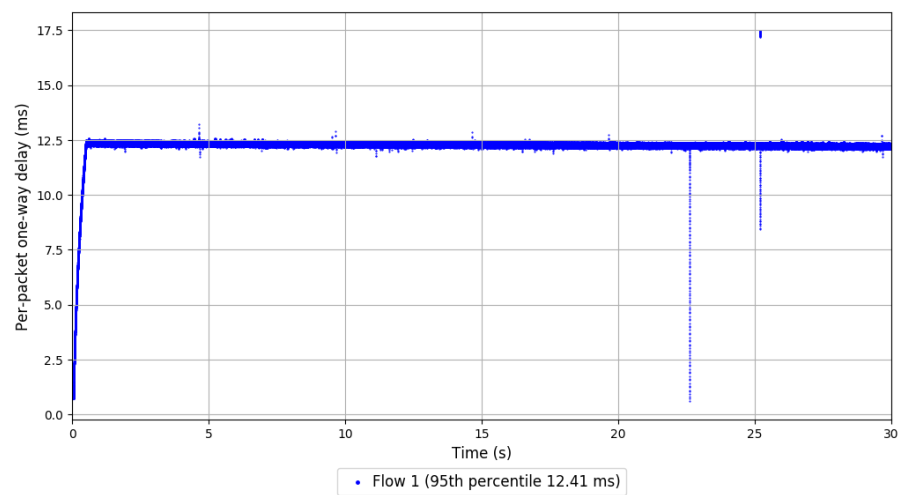
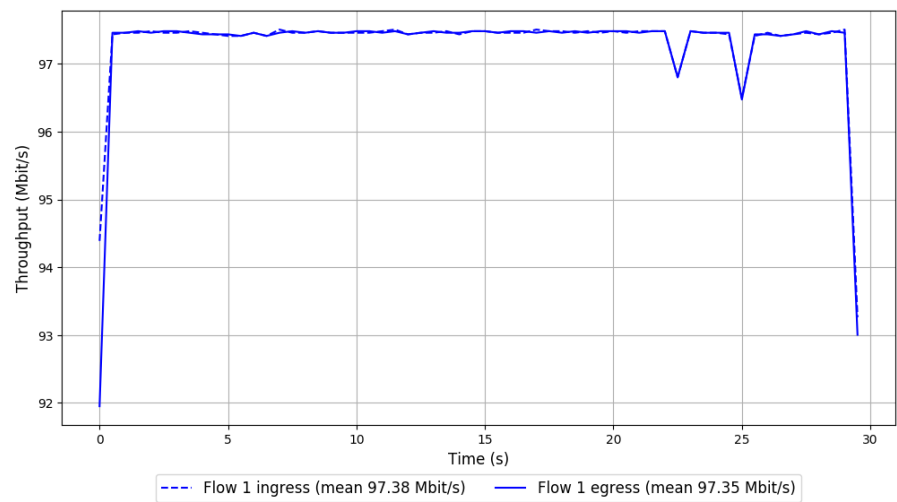
Run 5: Statistics of LEDBAT

Start at: 2018-04-24 06:24:06  
End at: 2018-04-24 06:24:36  
Local clock offset: -11.227 ms  
Remote clock offset: -6.886 ms

# Below is generated by plot.py at 2018-04-24 11:34:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.35 Mbit/s  
95th percentile per-packet one-way delay: 12.415 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.35 Mbit/s  
95th percentile per-packet one-way delay: 12.415 ms  
Loss rate: 0.05%



Run 5: Report of LEDBAT — Data Link

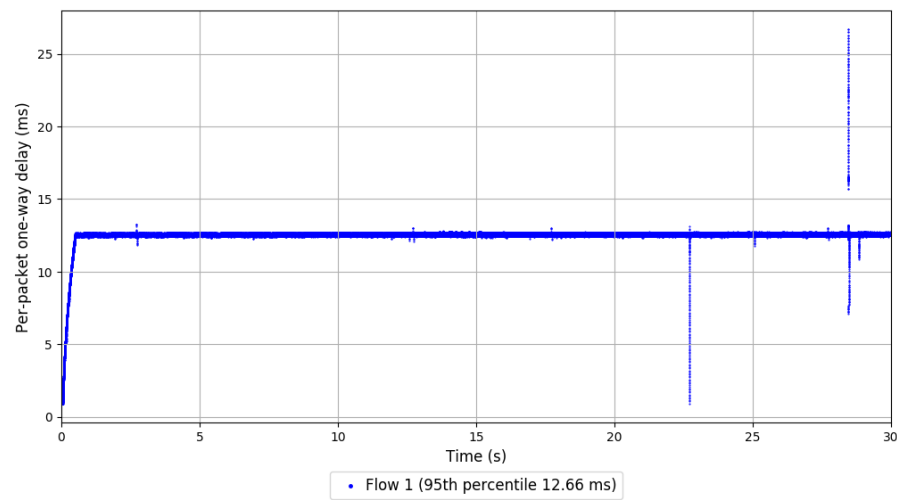
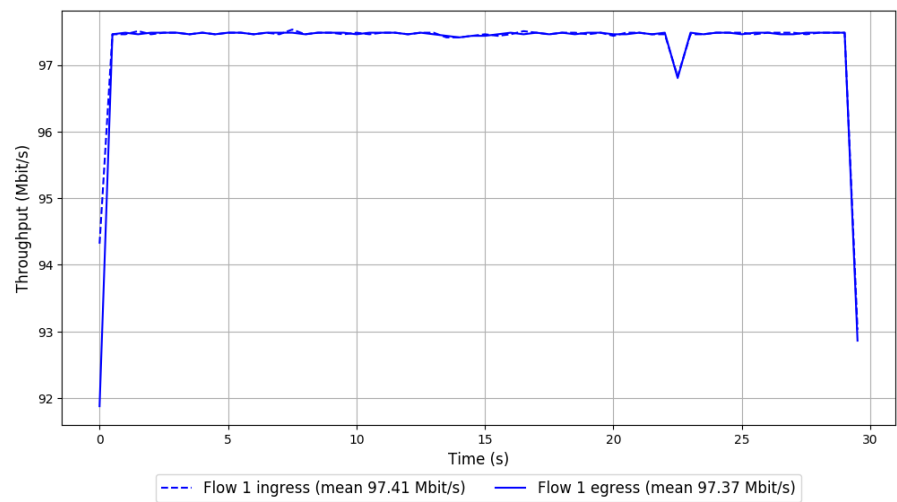


Run 6: Statistics of LEDBAT

Start at: 2018-04-24 06:43:09  
End at: 2018-04-24 06:43:39  
Local clock offset: -10.311 ms  
Remote clock offset: -6.934 ms

# Below is generated by plot.py at 2018-04-24 11:34:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.662 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.662 ms  
Loss rate: 0.04%

Run 6: Report of LEDBAT — Data Link

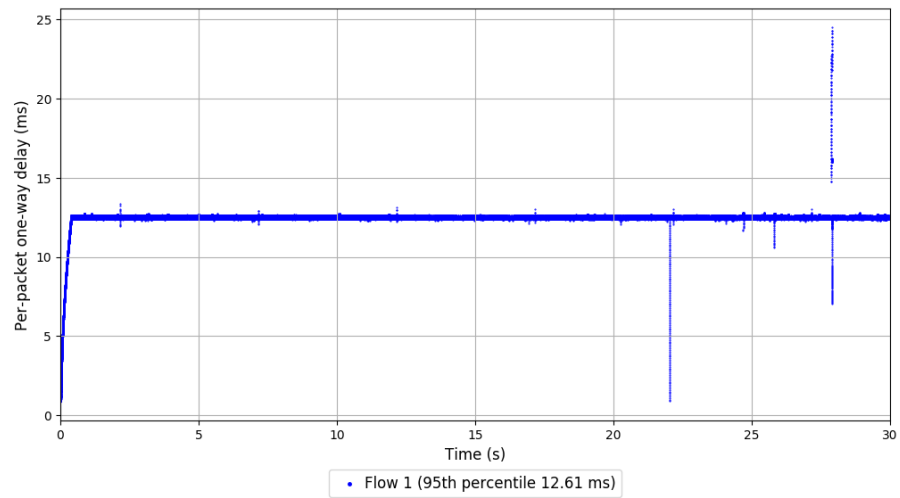
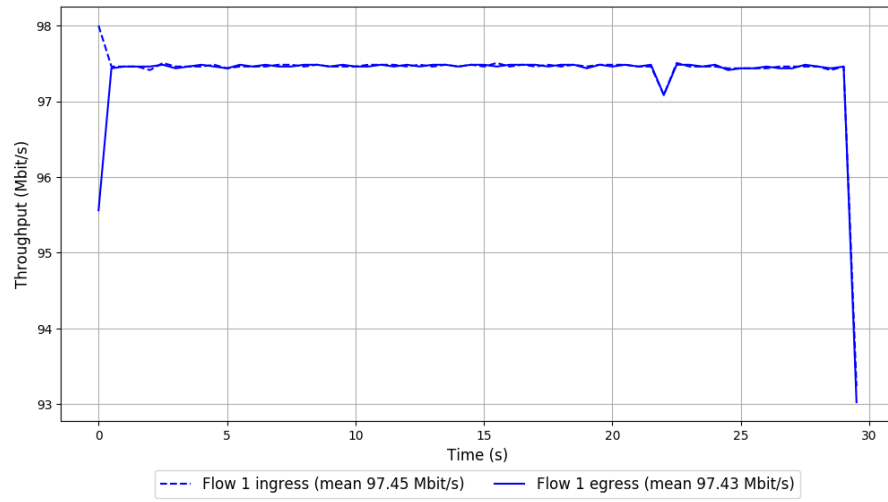


Run 7: Statistics of LEDBAT

Start at: 2018-04-24 07:02:12  
End at: 2018-04-24 07:02:42  
Local clock offset: -8.333 ms  
Remote clock offset: -6.976 ms

# Below is generated by plot.py at 2018-04-24 11:34:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 12.606 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 12.606 ms  
Loss rate: 0.04%

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



Run 8: Statistics of LEDBAT

Start at: 2018-04-24 07:21:15

End at: 2018-04-24 07:21:45

Local clock offset: -8.519 ms

Remote clock offset: -6.63 ms

# Below is generated by plot.py at 2018-04-24 11:34:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 12.773 ms

Loss rate: 0.04%

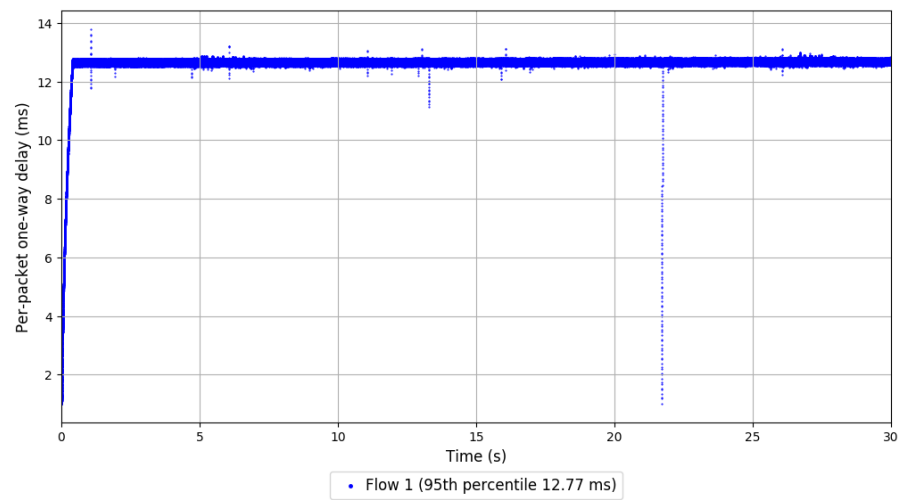
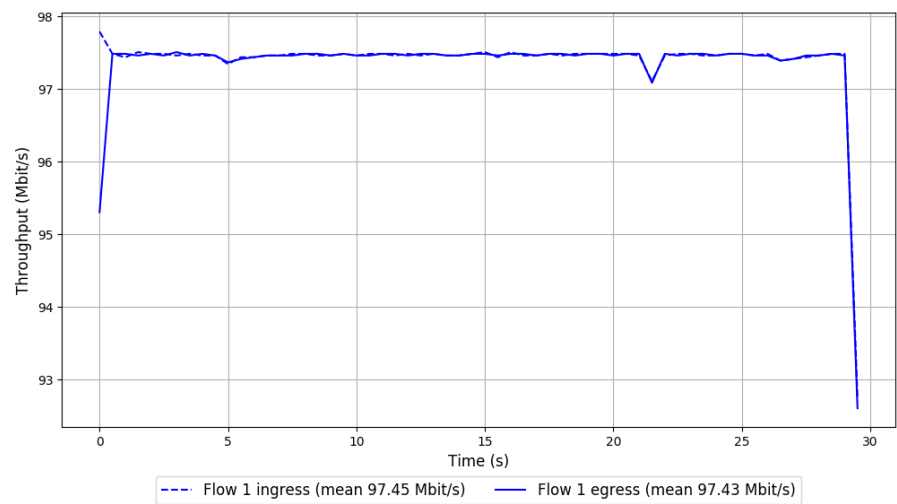
-- Flow 1:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 12.773 ms

Loss rate: 0.04%

Run 8: Report of LEDBAT — Data Link



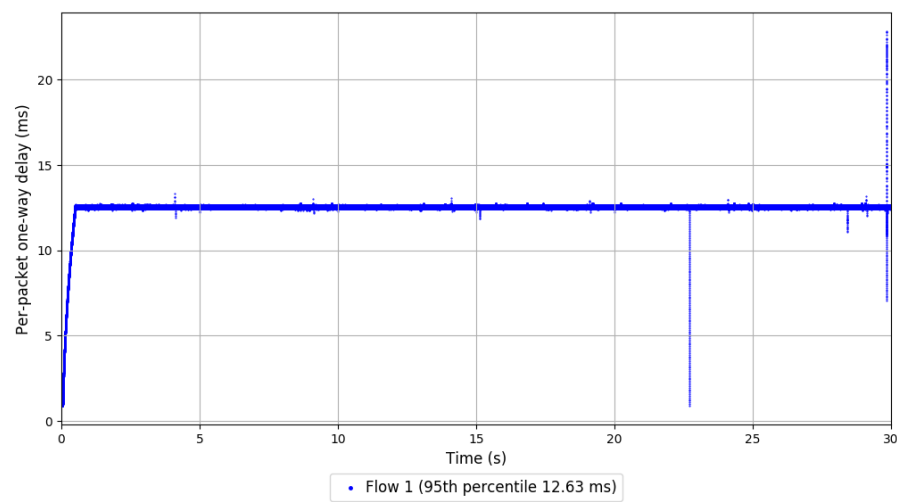
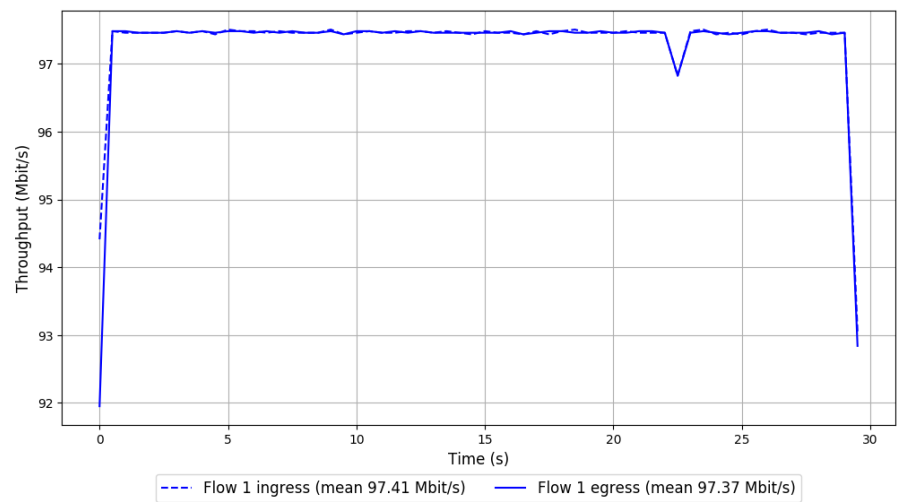
Run 9: Statistics of LEDBAT

Start at: 2018-04-24 07:40:18  
End at: 2018-04-24 07:40:48  
Local clock offset: -7.036 ms  
Remote clock offset: -6.236 ms

# Below is generated by plot.py at 2018-04-24 11:34:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.635 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.635 ms  
Loss rate: 0.05%



Run 9: Report of LEDBAT — Data Link

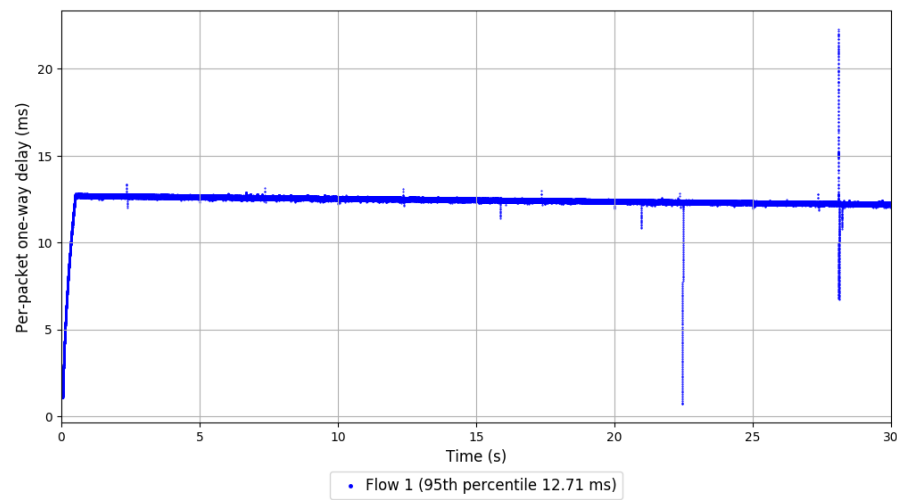
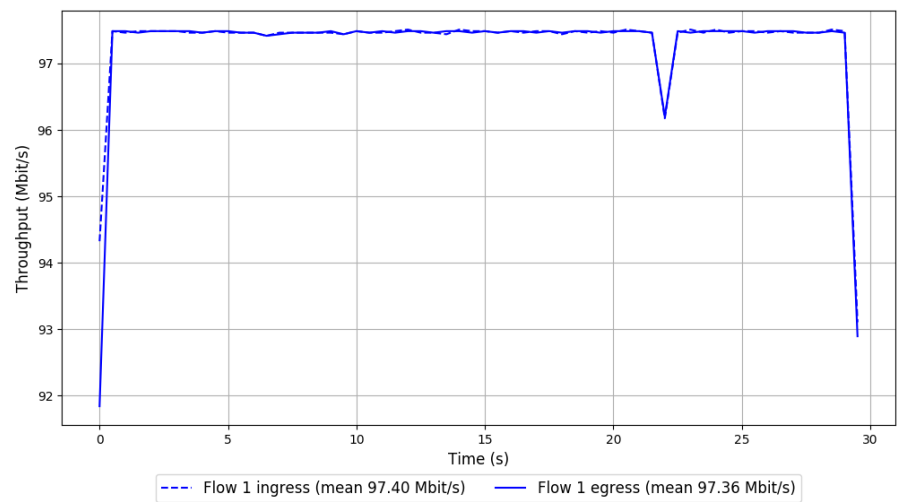


Run 10: Statistics of LEDBAT

Start at: 2018-04-24 07:59:22  
End at: 2018-04-24 07:59:52  
Local clock offset: -5.586 ms  
Remote clock offset: -6.612 ms

# Below is generated by plot.py at 2018-04-24 11:34:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.36 Mbit/s  
95th percentile per-packet one-way delay: 12.714 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 97.36 Mbit/s  
95th percentile per-packet one-way delay: 12.714 ms  
Loss rate: 0.04%

Run 10: Report of LEDBAT — Data Link

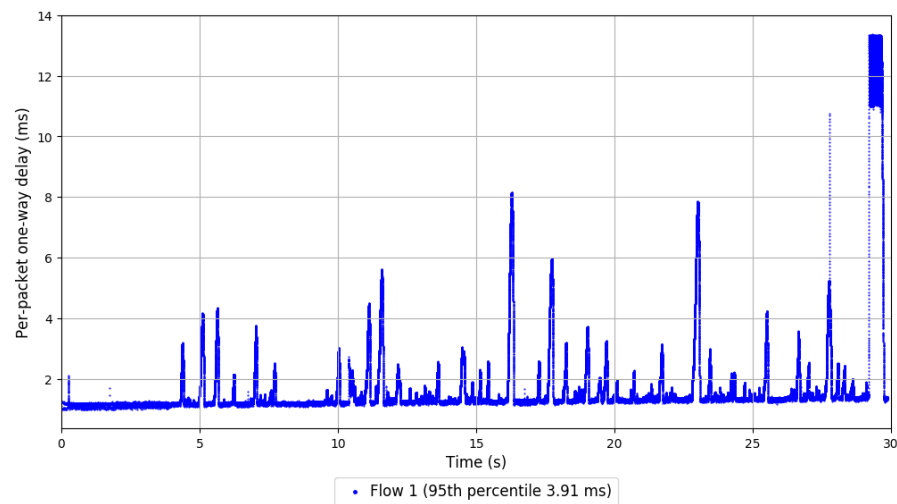
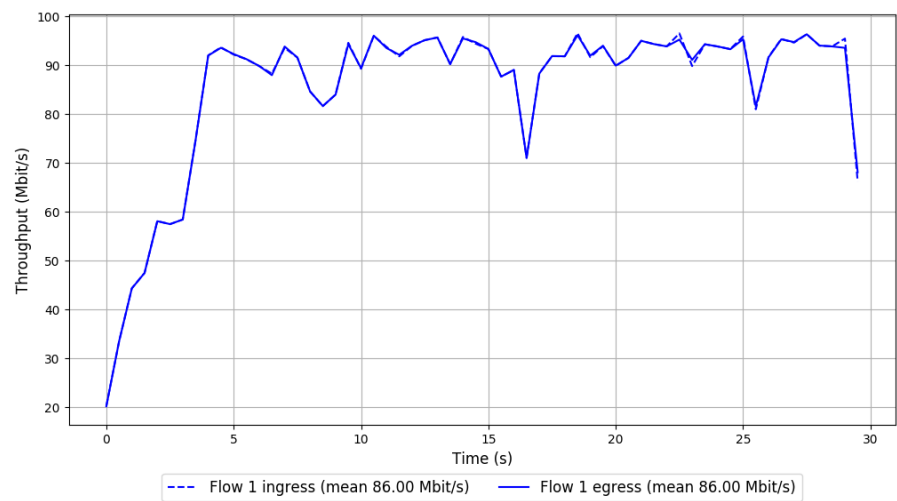


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-04-24 05:19:08
End at: 2018-04-24 05:19:38
Local clock offset: -9.859 ms
Remote clock offset: -6.76 ms

# Below is generated by plot.py at 2018-04-24 11:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 3.907 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 3.907 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link

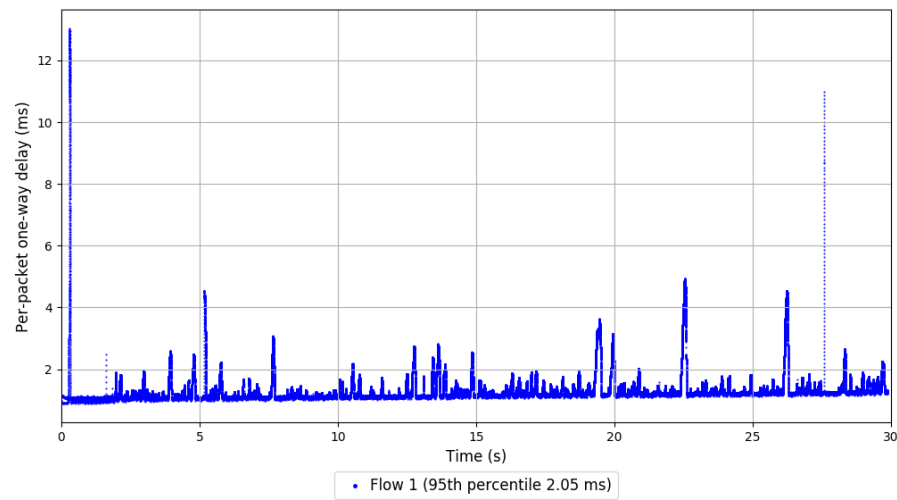
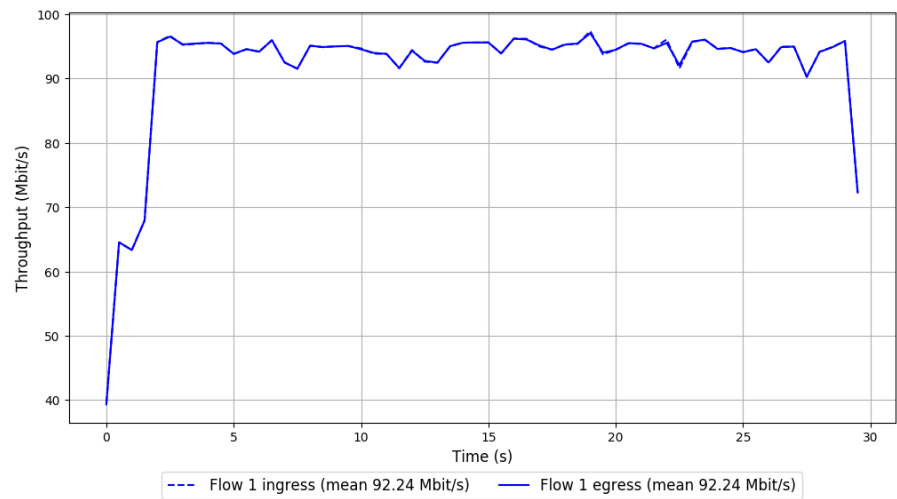


Run 2: Statistics of PCC-Allegro

Start at: 2018-04-24 05:38:12  
End at: 2018-04-24 05:38:42  
Local clock offset: -13.182 ms  
Remote clock offset: -6.587 ms

# Below is generated by plot.py at 2018-04-24 11:34:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.24 Mbit/s  
95th percentile per-packet one-way delay: 2.051 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 92.24 Mbit/s  
95th percentile per-packet one-way delay: 2.051 ms  
Loss rate: 0.01%

Run 2: Report of PCC-Allegro — Data Link



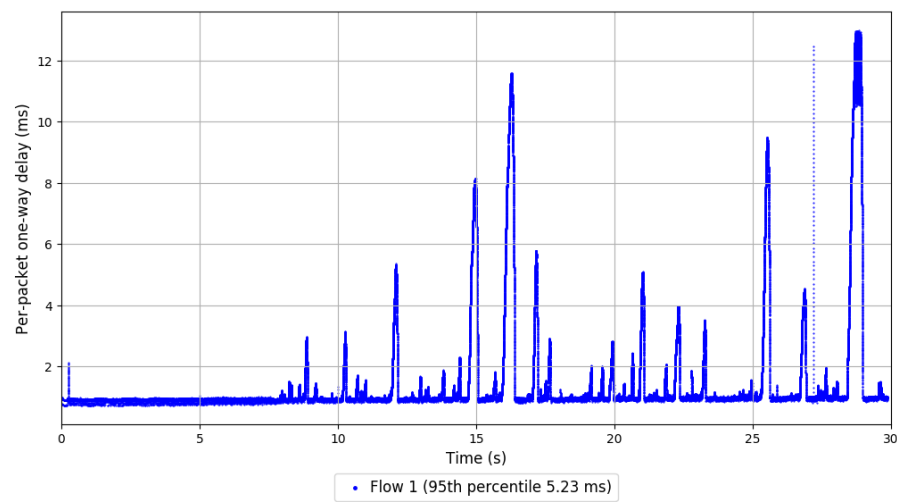
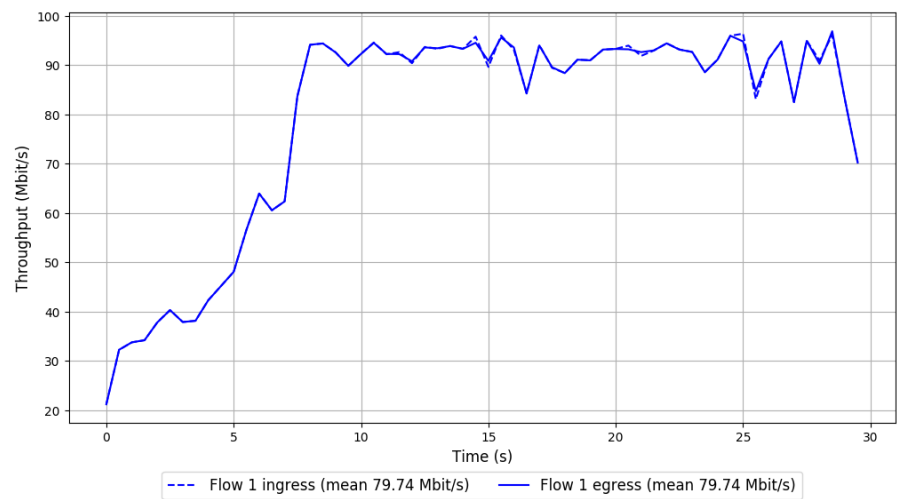
Run 3: Statistics of PCC-Allegro

Start at: 2018-04-24 05:57:15  
End at: 2018-04-24 05:57:45  
Local clock offset: -10.987 ms  
Remote clock offset: -6.476 ms

# Below is generated by plot.py at 2018-04-24 11:35:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.74 Mbit/s  
95th percentile per-packet one-way delay: 5.230 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 79.74 Mbit/s  
95th percentile per-packet one-way delay: 5.230 ms  
Loss rate: 0.01%



Run 3: Report of PCC-Allegro — Data Link

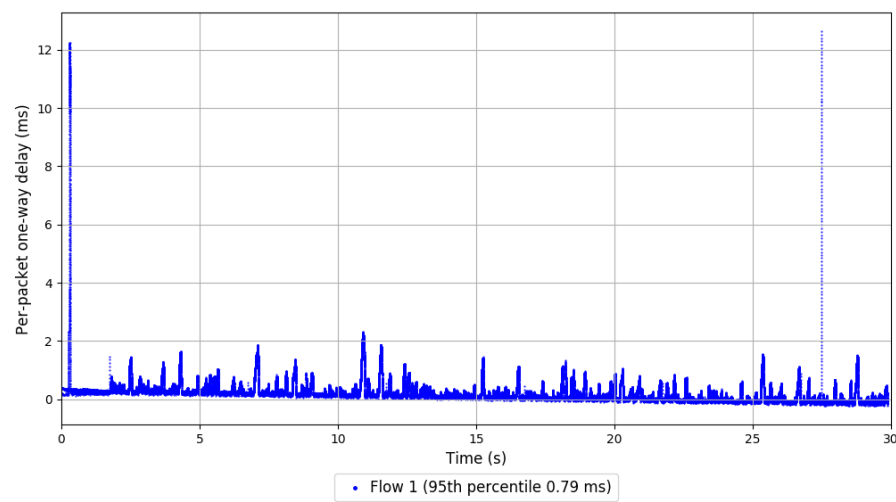
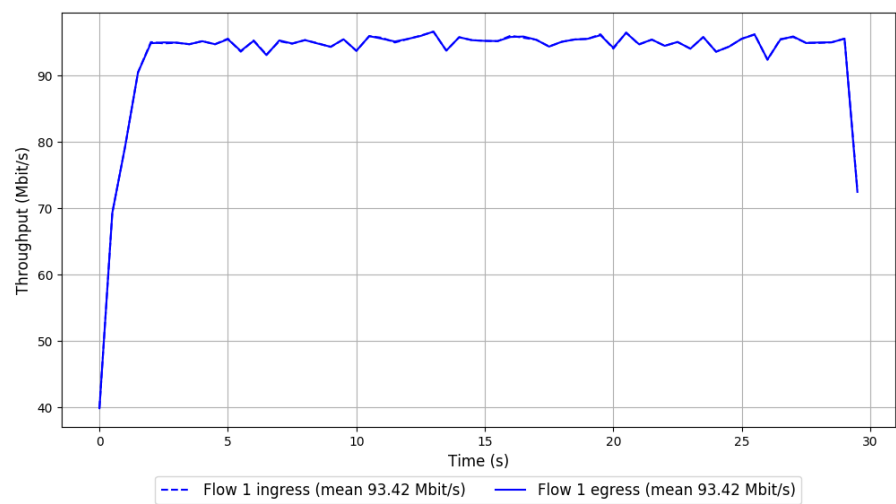


Run 4: Statistics of PCC-Allegro

Start at: 2018-04-24 06:16:17  
End at: 2018-04-24 06:16:47  
Local clock offset: -15.881 ms  
Remote clock offset: -6.793 ms

# Below is generated by plot.py at 2018-04-24 11:35:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.42 Mbit/s  
95th percentile per-packet one-way delay: 0.790 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 93.42 Mbit/s  
95th percentile per-packet one-way delay: 0.790 ms  
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-24 06:35:22

End at: 2018-04-24 06:35:52

Local clock offset: -9.99 ms

Remote clock offset: -6.909 ms

# Below is generated by plot.py at 2018-04-24 11:35:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.91 Mbit/s

95th percentile per-packet one-way delay: 2.957 ms

Loss rate: 0.01%

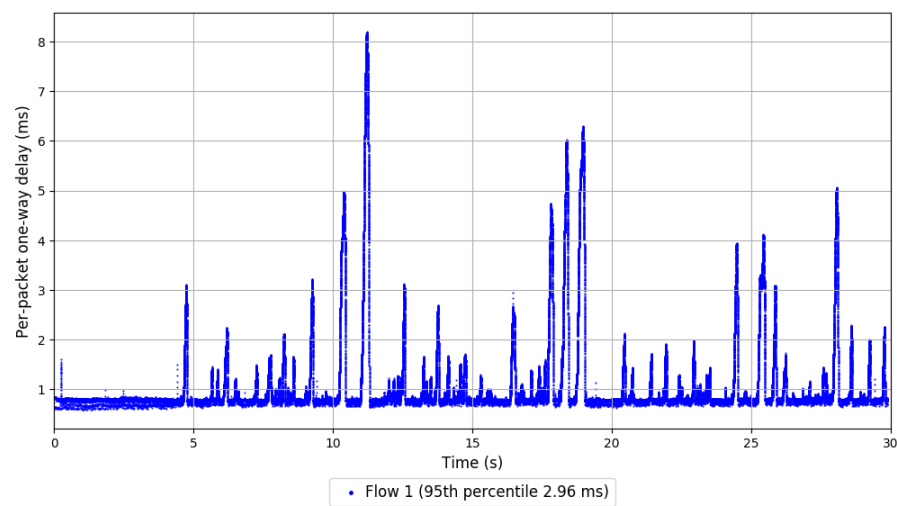
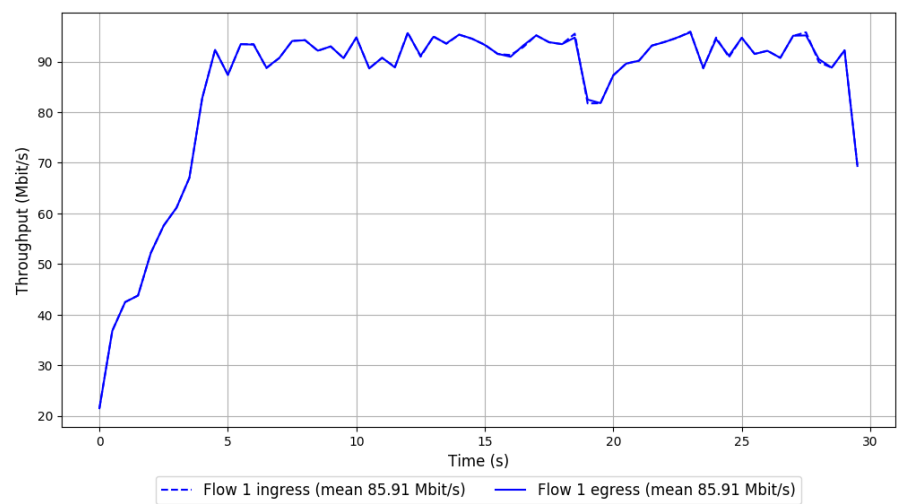
-- Flow 1:

Average throughput: 85.91 Mbit/s

95th percentile per-packet one-way delay: 2.957 ms

Loss rate: 0.01%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

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

End at: 2018-04-24 06:54:54

Local clock offset: -9.5 ms

Remote clock offset: -7.013 ms

# Below is generated by plot.py at 2018-04-24 11:35:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.49 Mbit/s

95th percentile per-packet one-way delay: 1.705 ms

Loss rate: 0.01%

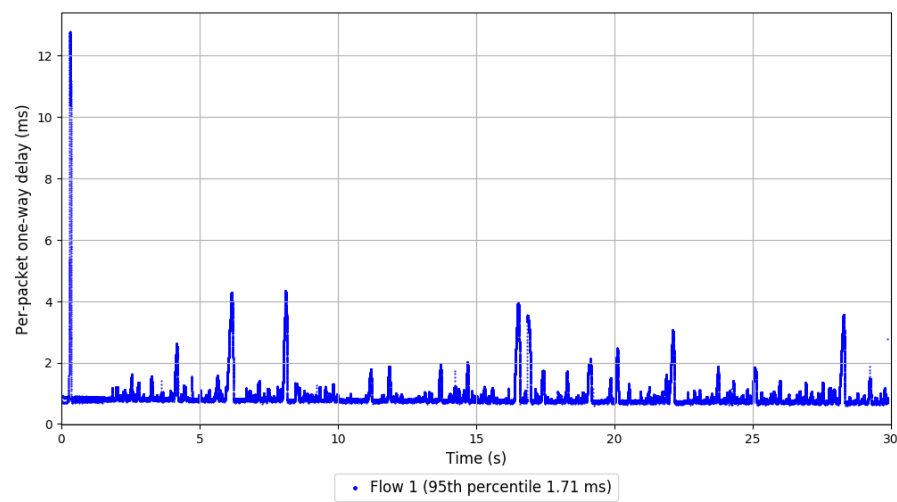
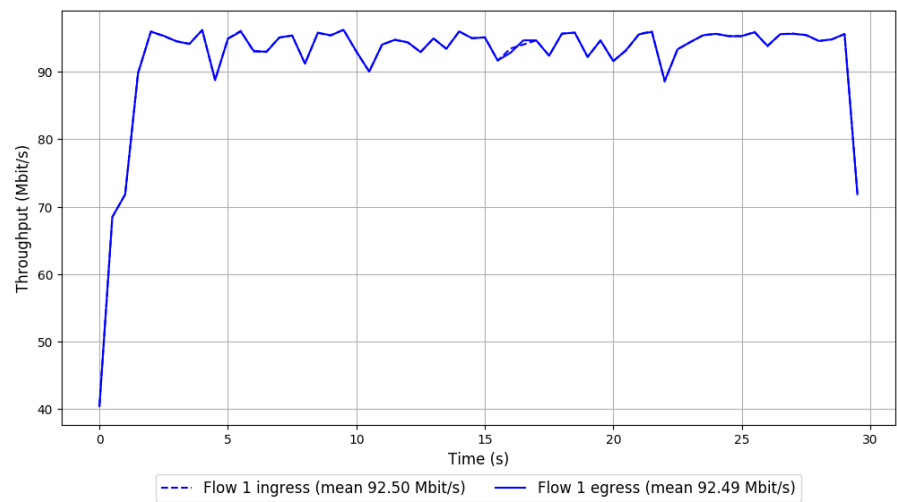
-- Flow 1:

Average throughput: 92.49 Mbit/s

95th percentile per-packet one-way delay: 1.705 ms

Loss rate: 0.01%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-04-24 07:13:27

End at: 2018-04-24 07:13:57

Local clock offset: -8.244 ms

Remote clock offset: -6.953 ms

# Below is generated by plot.py at 2018-04-24 11:35:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 5.277 ms

Loss rate: 0.01%

-- Flow 1:

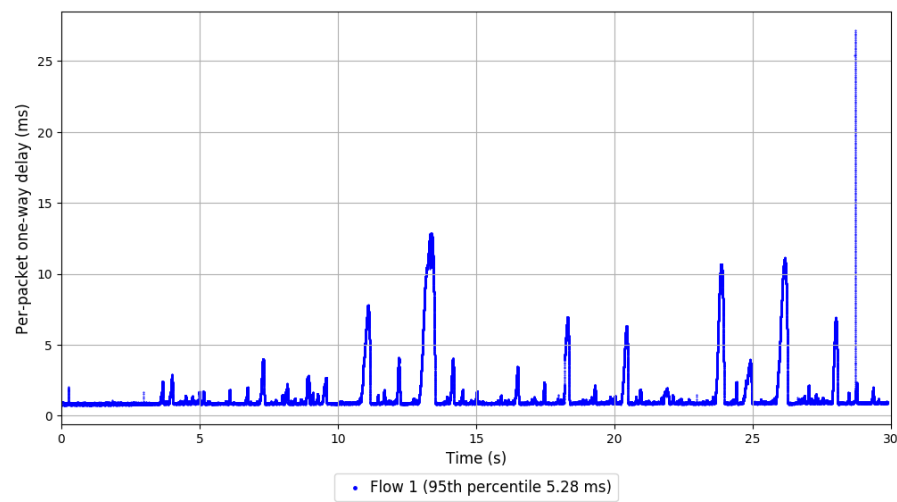
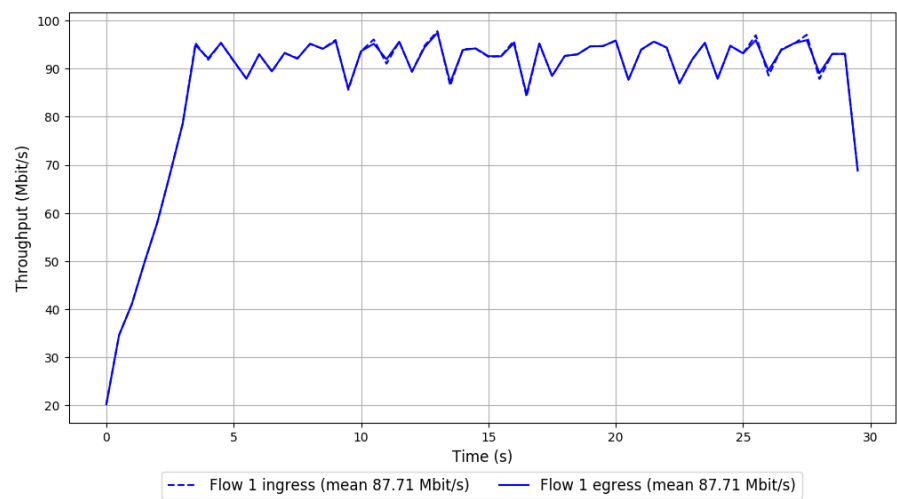
Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 5.277 ms

Loss rate: 0.01%



Run 7: Report of PCC-Allegro — Data Link

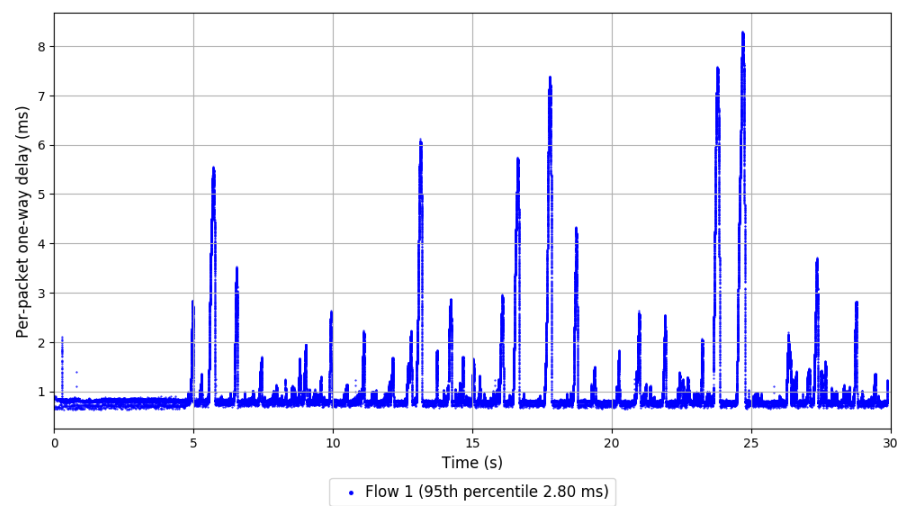
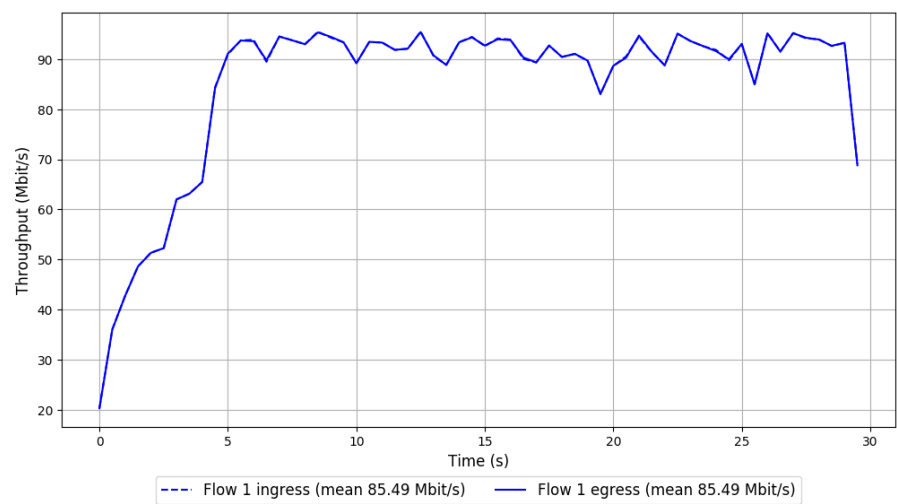


Run 8: Statistics of PCC-Allegro

Start at: 2018-04-24 07:32:31  
End at: 2018-04-24 07:33:01  
Local clock offset: -7.419 ms  
Remote clock offset: -6.298 ms

# Below is generated by plot.py at 2018-04-24 11:35:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.49 Mbit/s  
95th percentile per-packet one-way delay: 2.797 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 85.49 Mbit/s  
95th percentile per-packet one-way delay: 2.797 ms  
Loss rate: 0.01%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-24 07:51:34

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

Local clock offset: -6.315 ms

Remote clock offset: -6.294 ms

# Below is generated by plot.py at 2018-04-24 11:35:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.15 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.01%

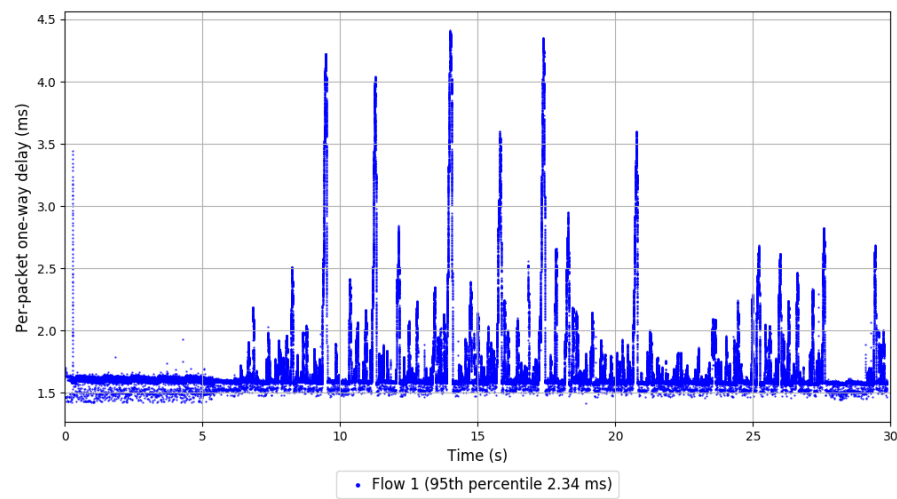
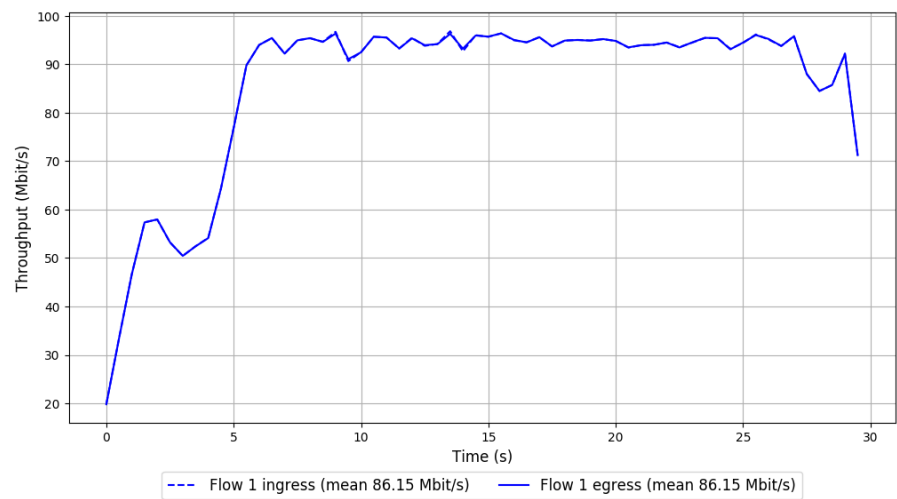
-- Flow 1:

Average throughput: 86.15 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.01%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-04-24 08:10:37

End at: 2018-04-24 08:11:07

Local clock offset: 0.81 ms

Remote clock offset: -6.719 ms

# Below is generated by plot.py at 2018-04-24 11:35:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.39 Mbit/s

95th percentile per-packet one-way delay: 2.831 ms

Loss rate: 0.01%

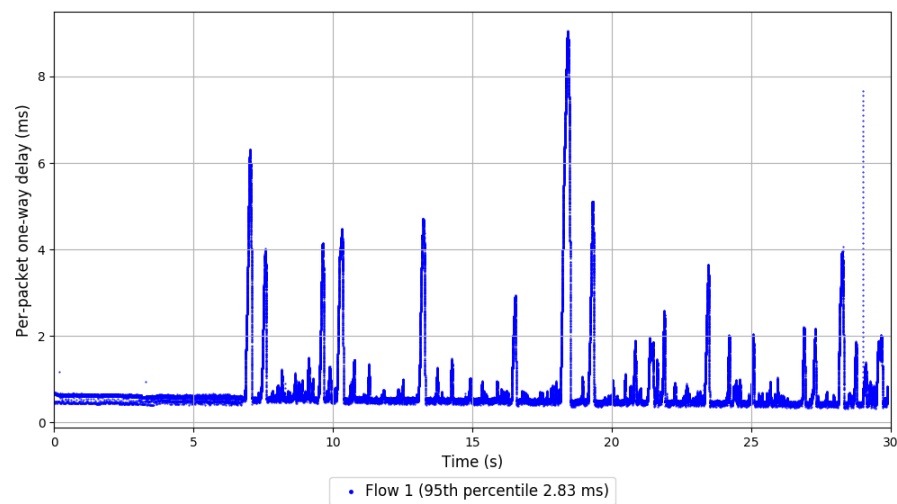
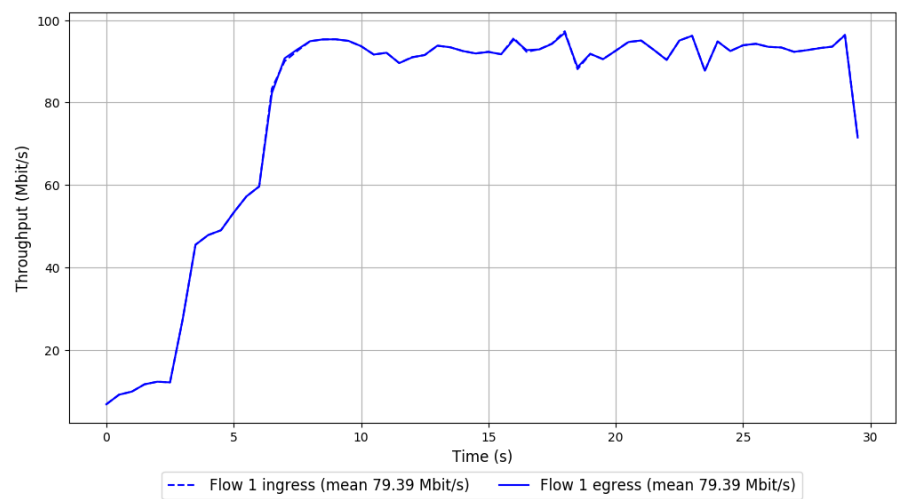
-- Flow 1:

Average throughput: 79.39 Mbit/s

95th percentile per-packet one-way delay: 2.831 ms

Loss rate: 0.01%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 05:18:00

End at: 2018-04-24 05:18:30

Local clock offset: -9.553 ms

Remote clock offset: -6.72 ms

# Below is generated by plot.py at 2018-04-24 11:36:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.99 Mbit/s

95th percentile per-packet one-way delay: 12.340 ms

Loss rate: 0.03%

-- Flow 1:

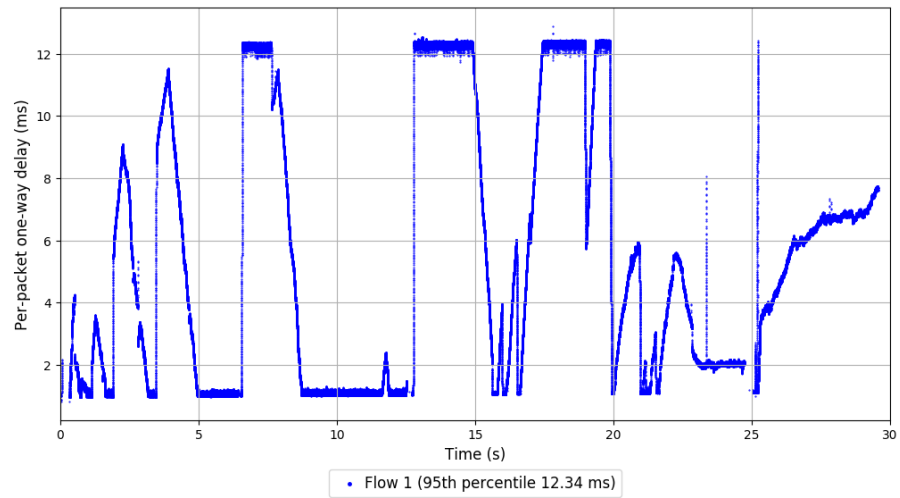
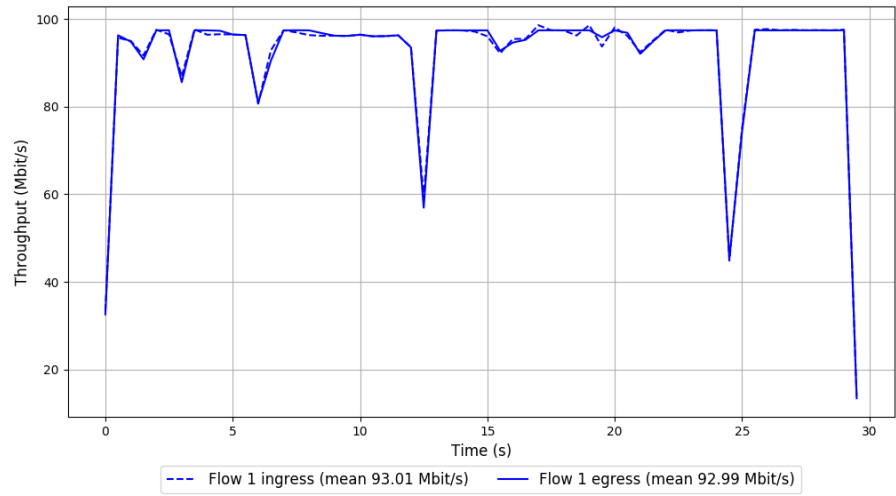
Average throughput: 92.99 Mbit/s

95th percentile per-packet one-way delay: 12.340 ms

Loss rate: 0.03%



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

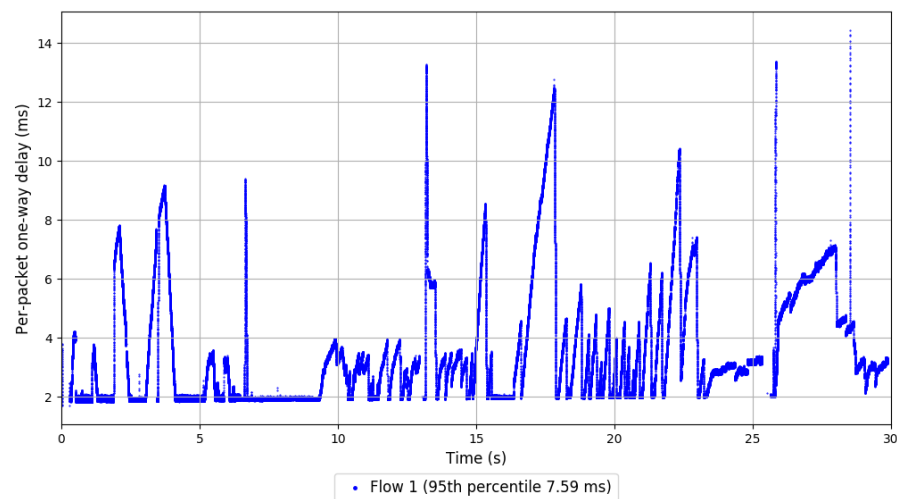
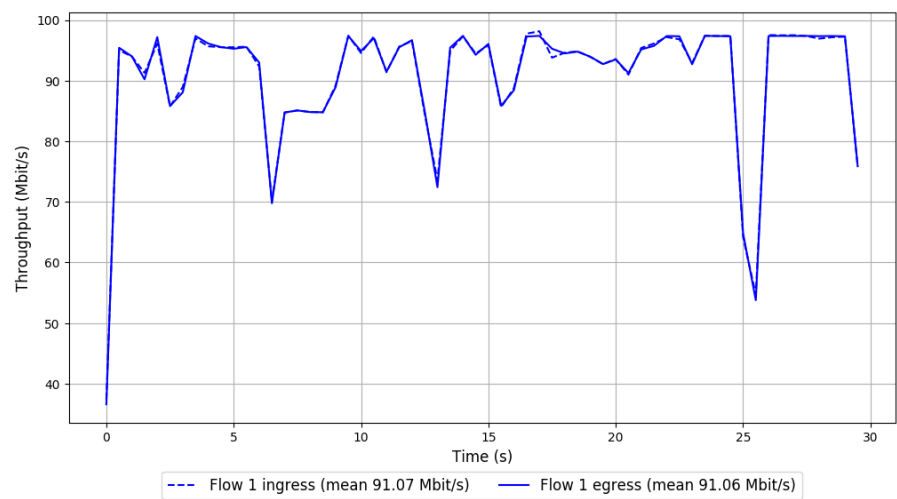


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-24 05:37:05  
End at: 2018-04-24 05:37:35  
Local clock offset: -11.931 ms  
Remote clock offset: -6.606 ms

# Below is generated by plot.py at 2018-04-24 11:36:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.06 Mbit/s  
95th percentile per-packet one-way delay: 7.587 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 91.06 Mbit/s  
95th percentile per-packet one-way delay: 7.587 ms  
Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link

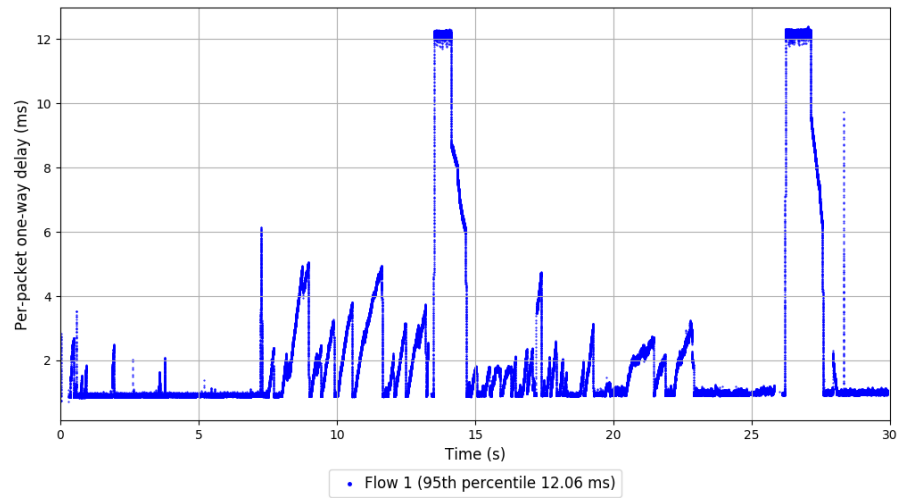
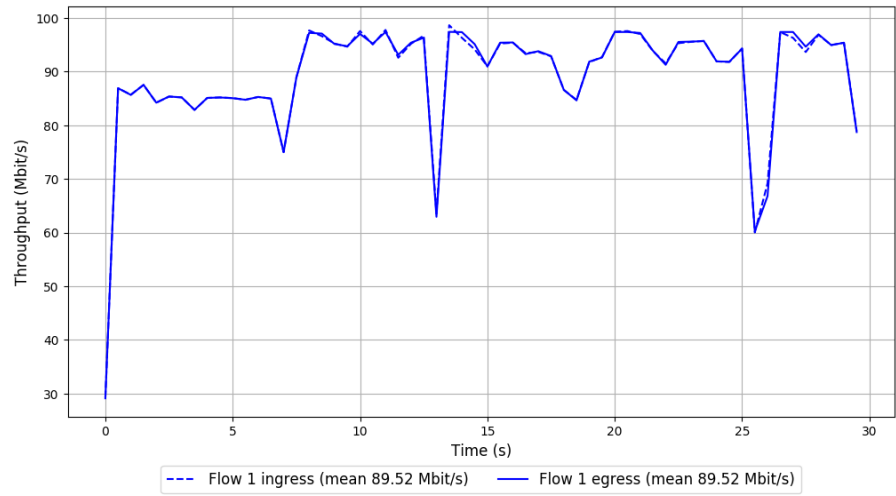


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-24 05:56:07  
End at: 2018-04-24 05:56:37  
Local clock offset: -10.836 ms  
Remote clock offset: -6.482 ms

# Below is generated by plot.py at 2018-04-24 11:36:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.52 Mbit/s  
95th percentile per-packet one-way delay: 12.057 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 89.52 Mbit/s  
95th percentile per-packet one-way delay: 12.057 ms  
Loss rate: 0.01%

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

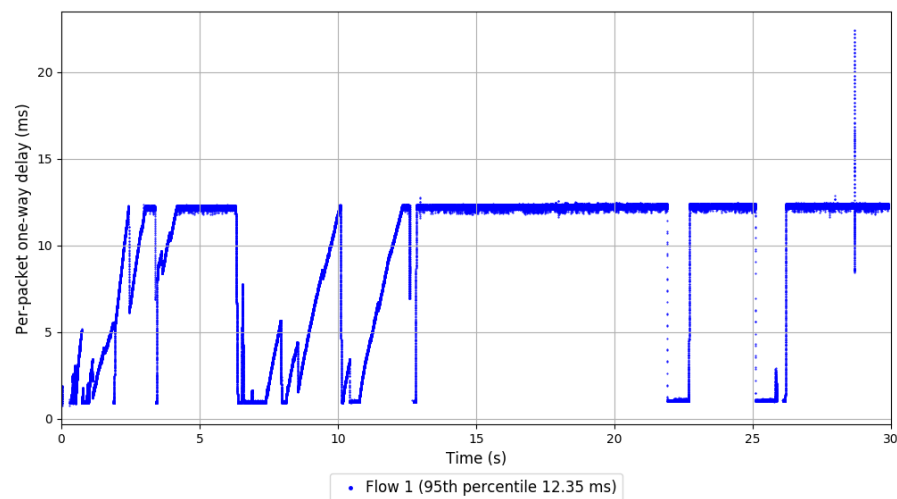
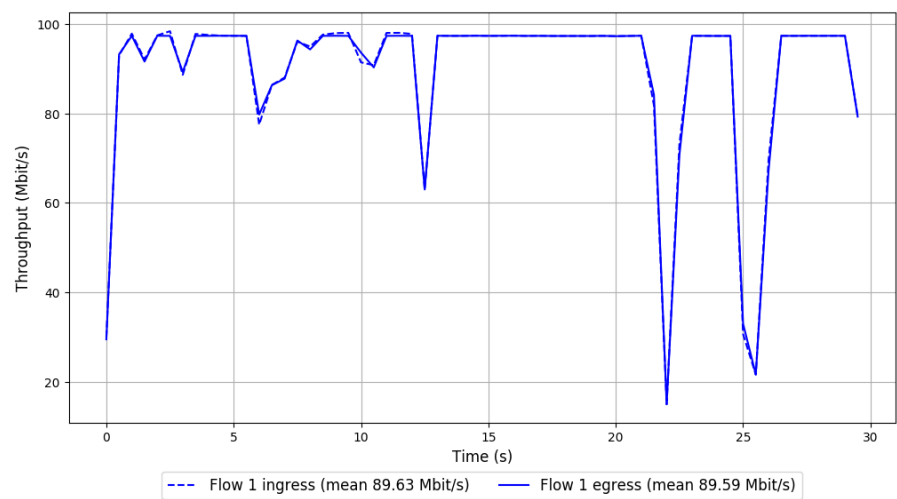


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-24 06:15:10  
End at: 2018-04-24 06:15:40  
Local clock offset: -15.743 ms  
Remote clock offset: -6.772 ms

# Below is generated by plot.py at 2018-04-24 11:36:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.59 Mbit/s  
95th percentile per-packet one-way delay: 12.346 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 89.59 Mbit/s  
95th percentile per-packet one-way delay: 12.346 ms  
Loss rate: 0.05%

Run 4: Report of QUIC Cubic — Data Link



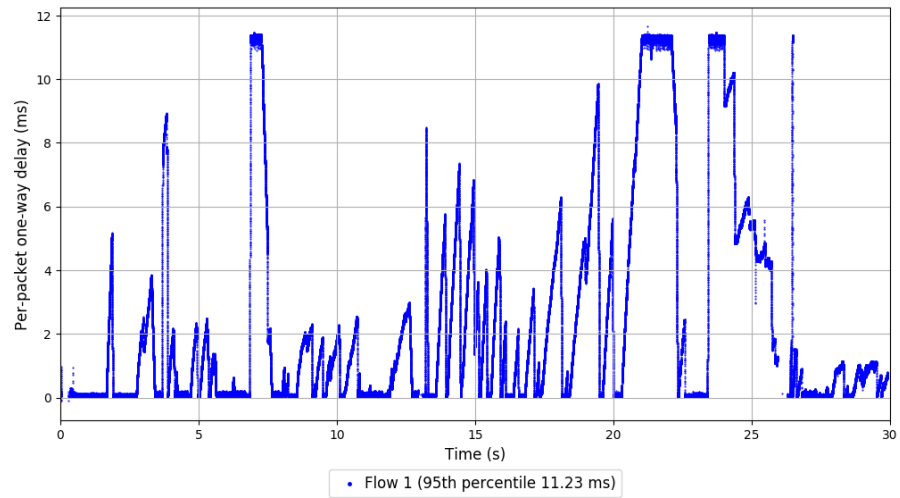
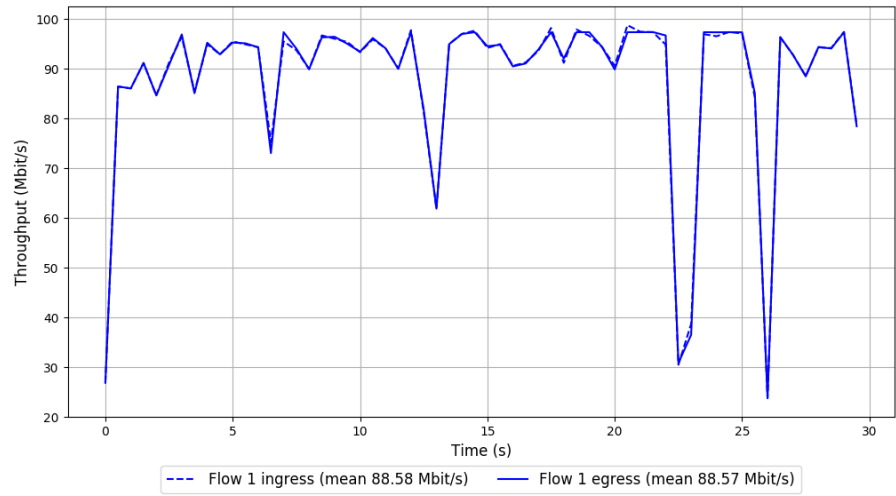
Run 5: Statistics of QUIC Cubic

Start at: 2018-04-24 06:34:14  
End at: 2018-04-24 06:34:44  
Local clock offset: -10.709 ms  
Remote clock offset: -6.91 ms

# Below is generated by plot.py at 2018-04-24 11:36:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.57 Mbit/s  
95th percentile per-packet one-way delay: 11.235 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 88.57 Mbit/s  
95th percentile per-packet one-way delay: 11.235 ms  
Loss rate: 0.01%



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



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-24 06:53:16

End at: 2018-04-24 06:53:46

Local clock offset: -9.754 ms

Remote clock offset: -6.997 ms

# Below is generated by plot.py at 2018-04-24 11:37:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 12.067 ms

Loss rate: 0.04%

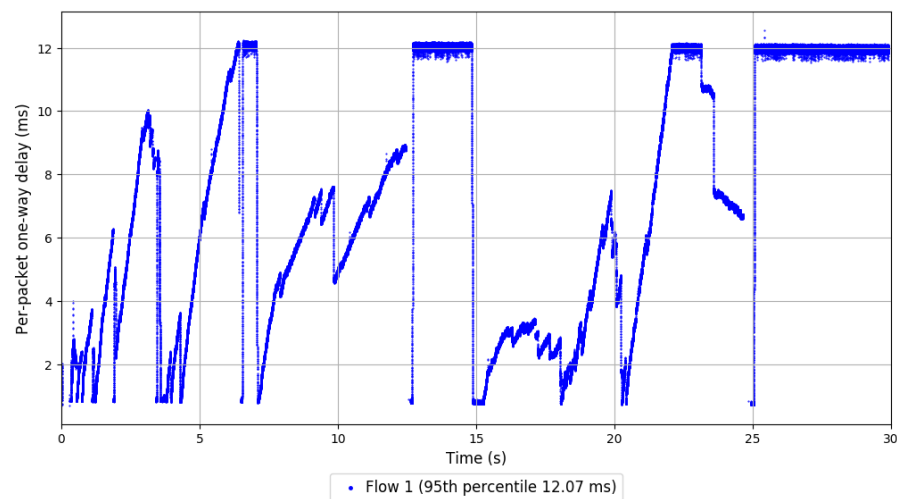
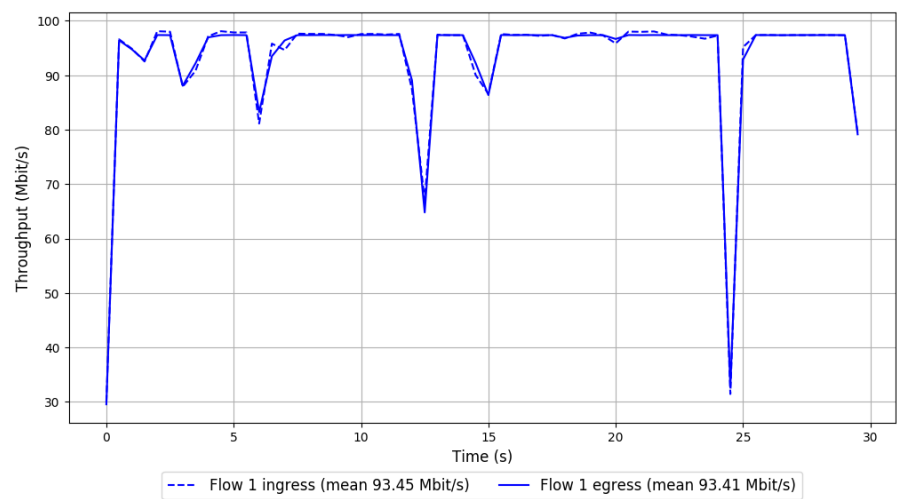
-- Flow 1:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 12.067 ms

Loss rate: 0.04%

Run 6: Report of QUIC Cubic — Data Link

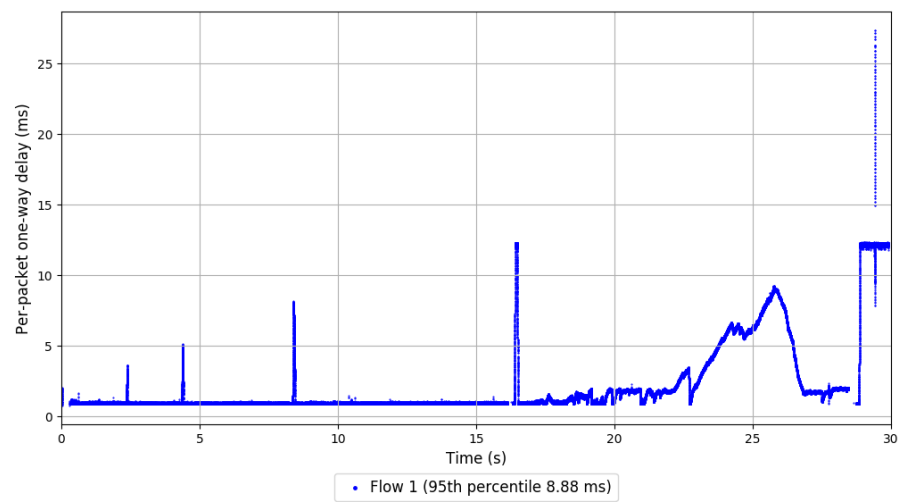
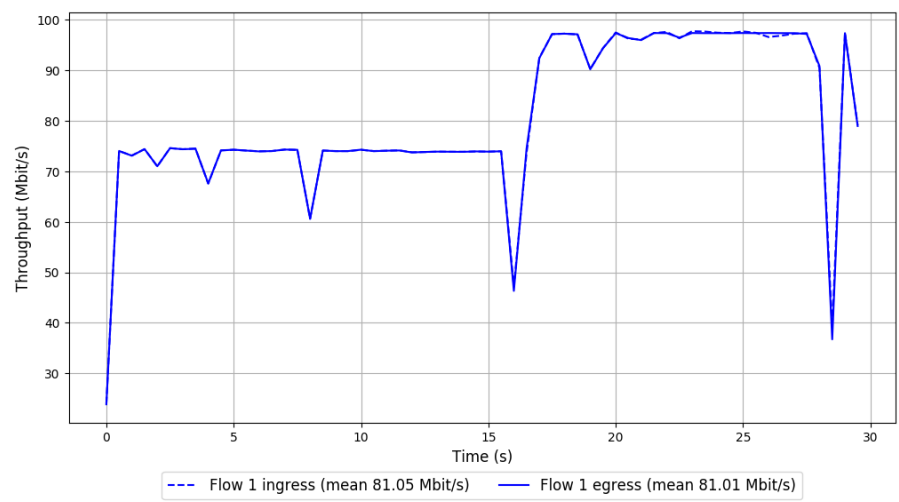


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-24 07:12:19  
End at: 2018-04-24 07:12:49  
Local clock offset: -8.187 ms  
Remote clock offset: -6.956 ms

# Below is generated by plot.py at 2018-04-24 11:37:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.01 Mbit/s  
95th percentile per-packet one-way delay: 8.885 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 81.01 Mbit/s  
95th percentile per-packet one-way delay: 8.885 ms  
Loss rate: 0.05%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-24 07:31:23

End at: 2018-04-24 07:31:53

Local clock offset: -7.515 ms

Remote clock offset: -6.369 ms

# Below is generated by plot.py at 2018-04-24 11:37:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 12.174 ms

Loss rate: 0.00%

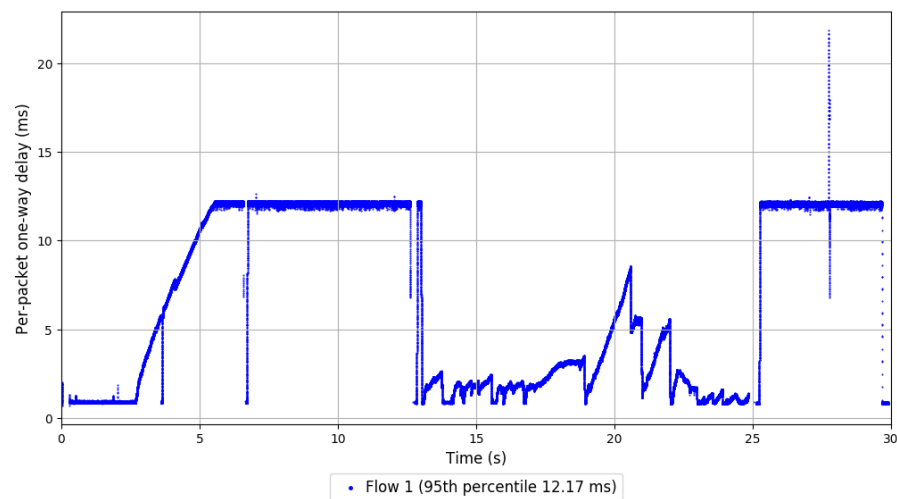
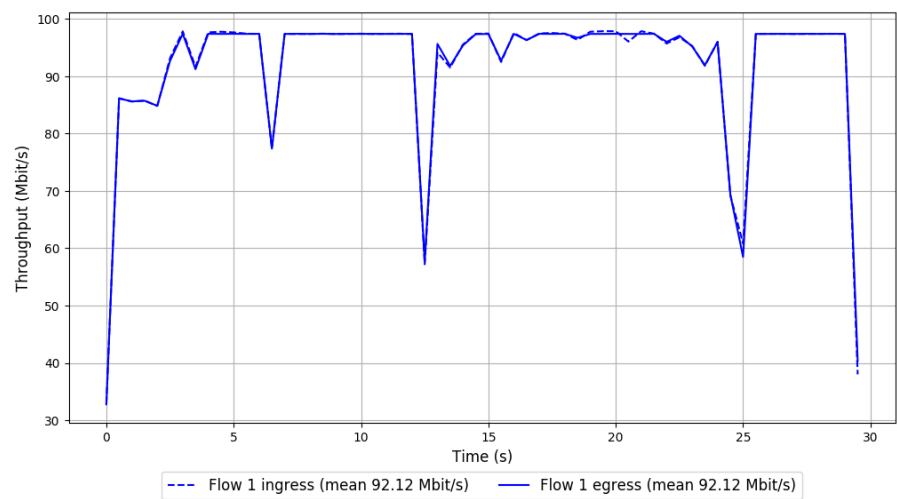
-- Flow 1:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 12.174 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-24 07:50:26

End at: 2018-04-24 07:50:56

Local clock offset: -6.285 ms

Remote clock offset: -6.23 ms

# Below is generated by plot.py at 2018-04-24 11:38:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 12.798 ms

Loss rate: 0.04%

-- Flow 1:

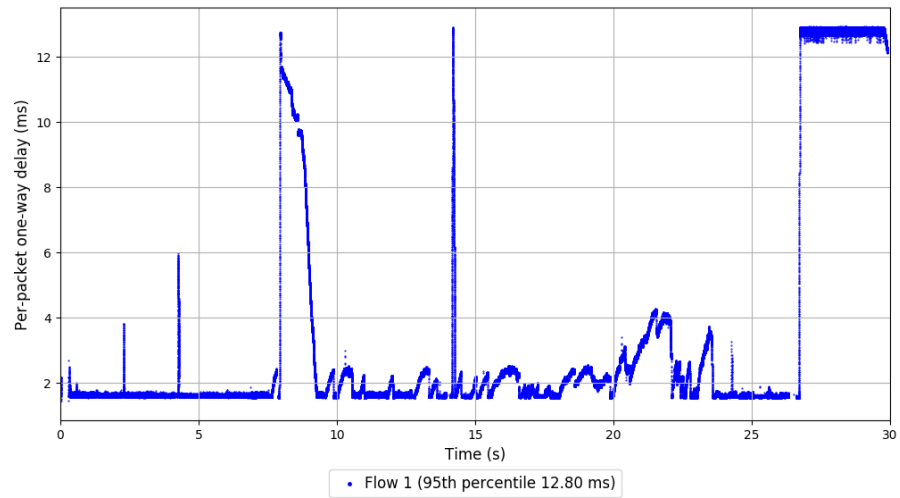
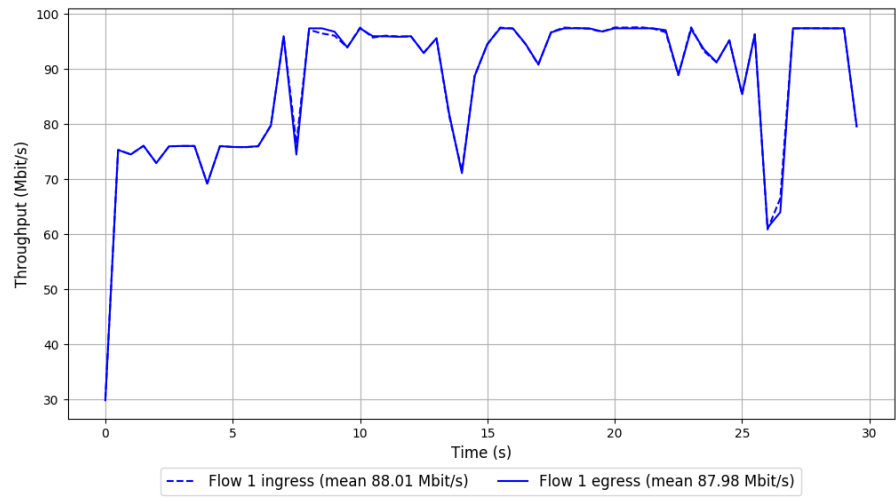
Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 12.798 ms

Loss rate: 0.04%



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



Run 10: Statistics of QUIC Cubic

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

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

Local clock offset: 1.184 ms

Remote clock offset: -6.762 ms

# Below is generated by plot.py at 2018-04-24 11:38:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.11 Mbit/s

95th percentile per-packet one-way delay: 12.671 ms

Loss rate: 0.04%

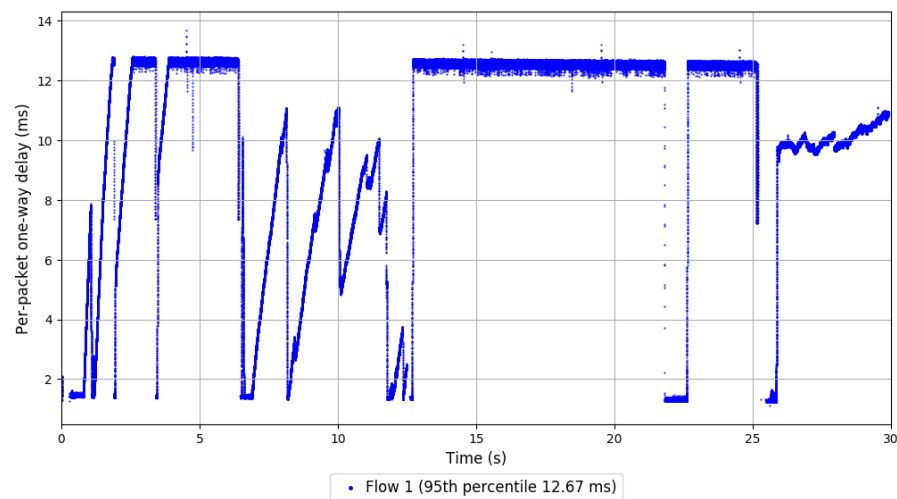
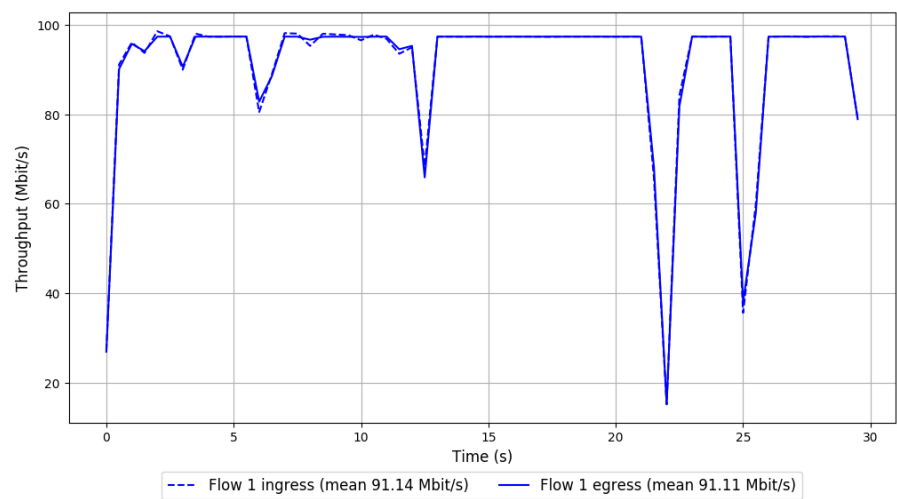
-- Flow 1:

Average throughput: 91.11 Mbit/s

95th percentile per-packet one-way delay: 12.671 ms

Loss rate: 0.04%

Run 10: Report of QUIC Cubic — Data Link

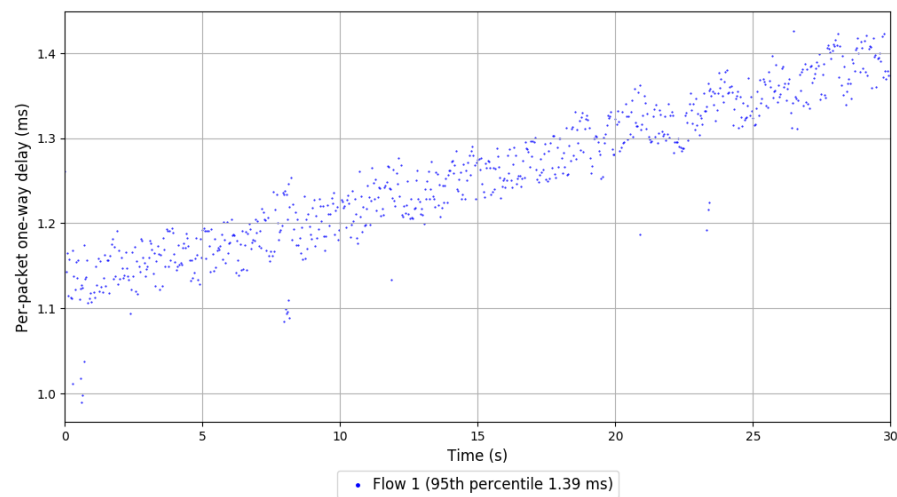
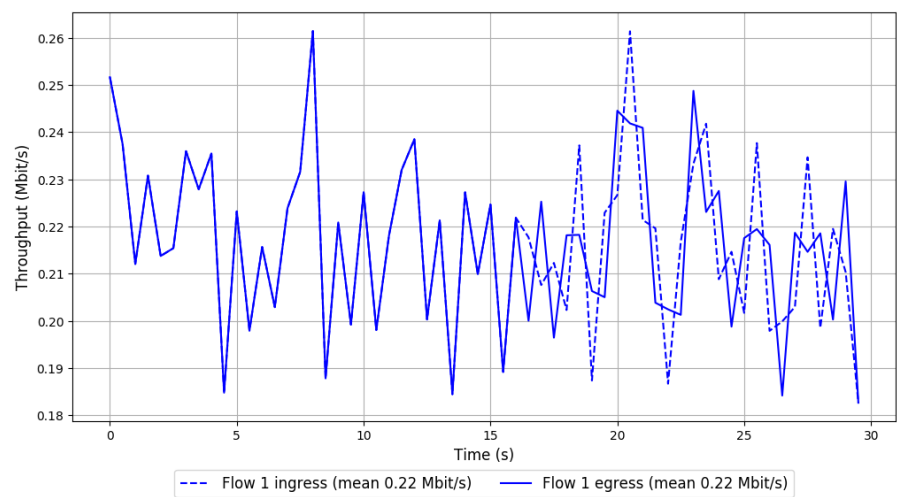


Run 1: Statistics of SCReAM

Start at: 2018-04-24 05:20:14  
End at: 2018-04-24 05:20:44  
Local clock offset: -11.07 ms  
Remote clock offset: -6.688 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.388 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.388 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

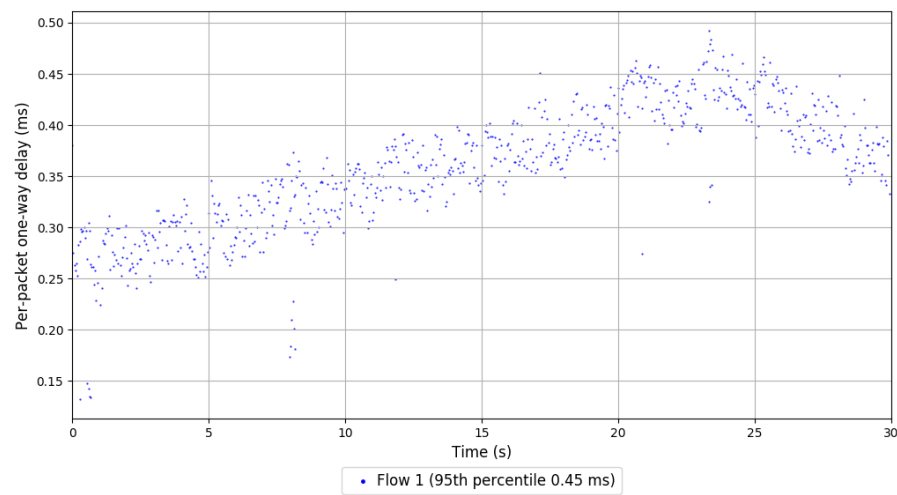
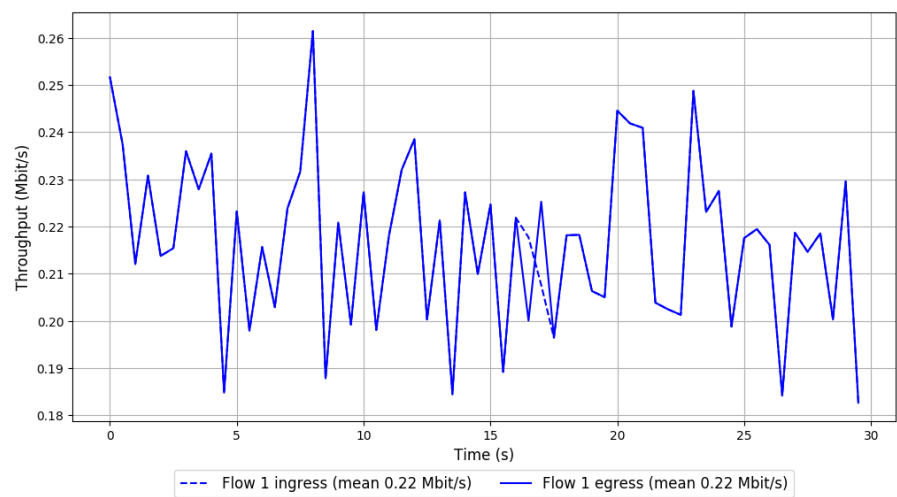


Run 2: Statistics of SCReAM

Start at: 2018-04-24 05:39:19  
End at: 2018-04-24 05:39:49  
Local clock offset: -14.473 ms  
Remote clock offset: -6.579 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.446 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.446 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



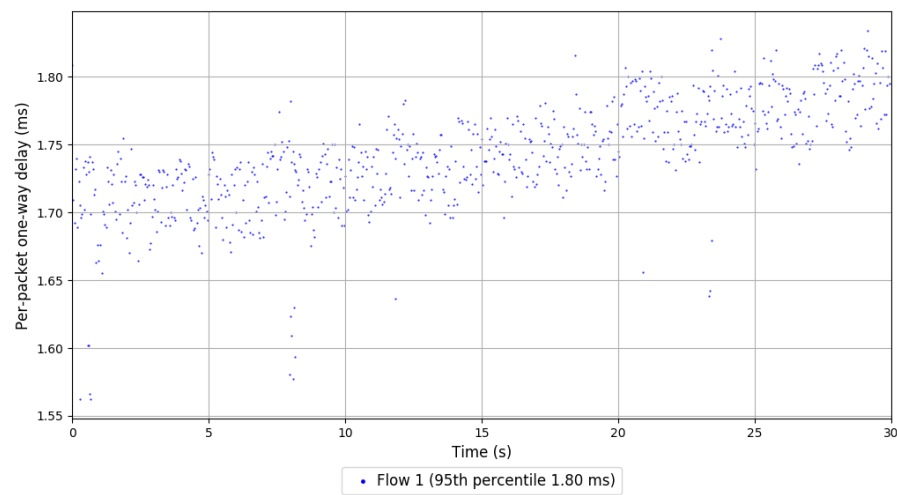
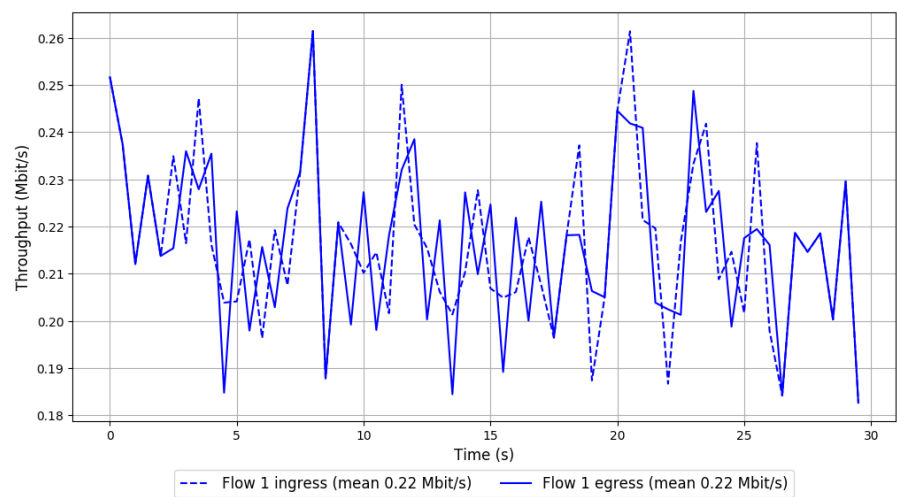
Run 3: Statistics of SCReAM

Start at: 2018-04-24 05:58:21  
End at: 2018-04-24 05:58:51  
Local clock offset: -10.41 ms  
Remote clock offset: -6.478 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.802 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.802 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

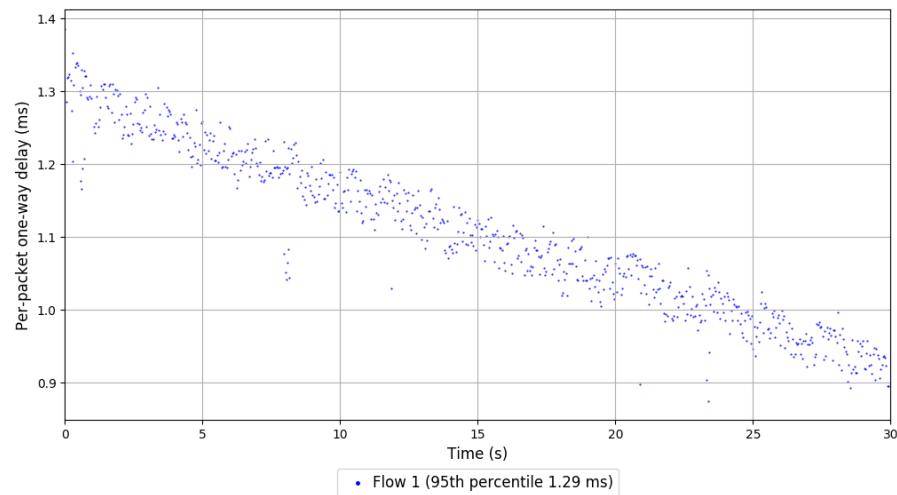
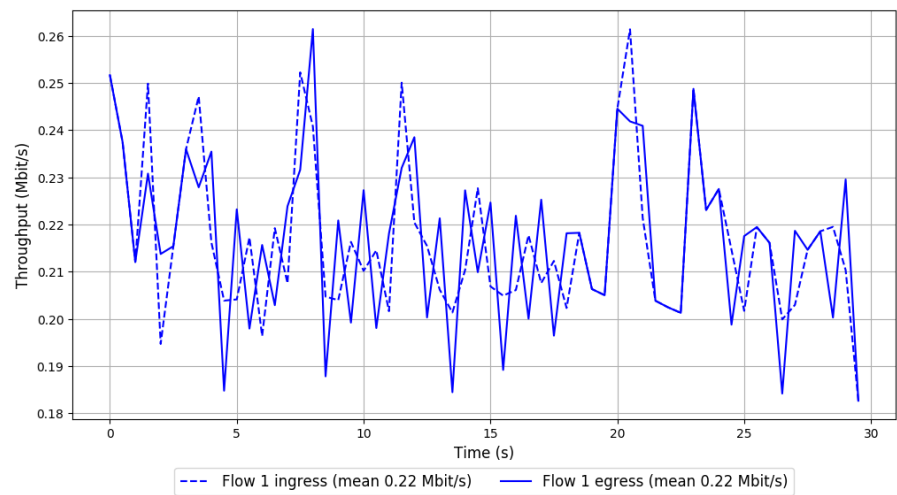


Run 4: Statistics of SReAM

Start at: 2018-04-24 06:17:24  
End at: 2018-04-24 06:17:54  
Local clock offset: -13.975 ms  
Remote clock offset: -6.817 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.292 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.292 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

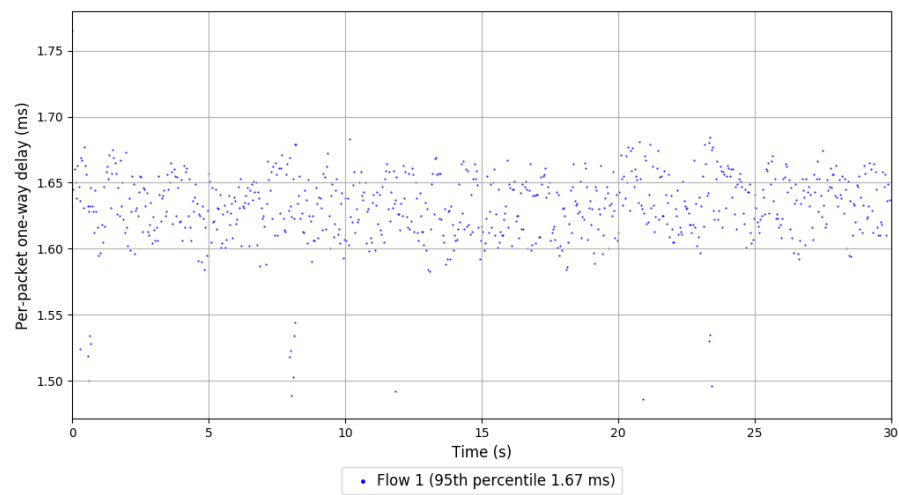
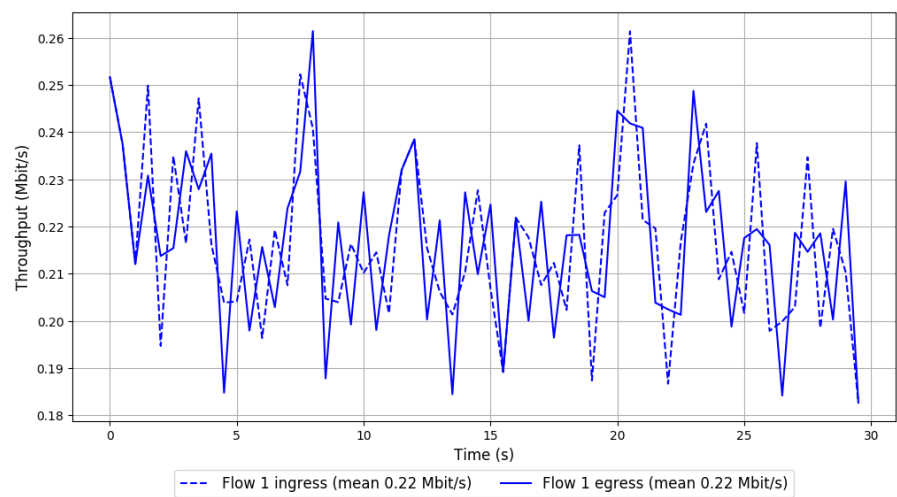


Run 5: Statistics of SCReAM

Start at: 2018-04-24 06:36:28  
End at: 2018-04-24 06:36:58  
Local clock offset: -9.188 ms  
Remote clock offset: -6.928 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.666 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.666 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

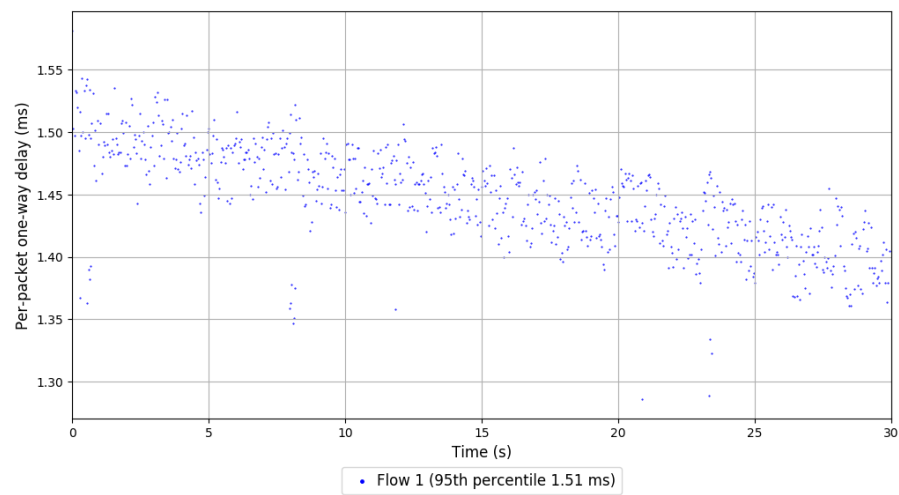
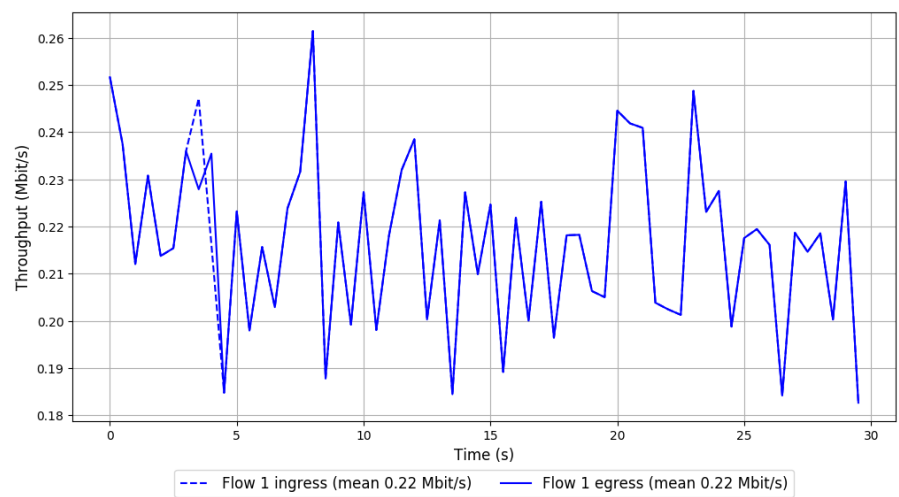


Run 6: Statistics of SCReAM

Start at: 2018-04-24 06:55:30  
End at: 2018-04-24 06:56:00  
Local clock offset: -8.52 ms  
Remote clock offset: -6.944 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.508 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.508 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



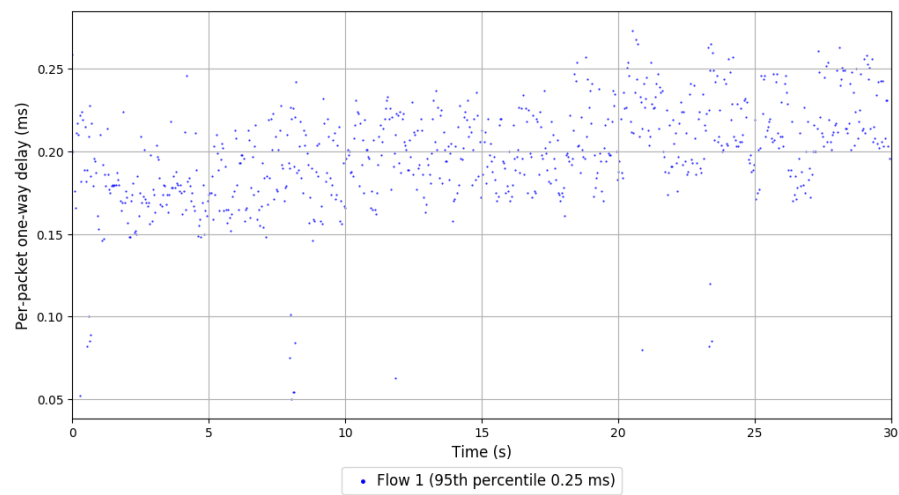
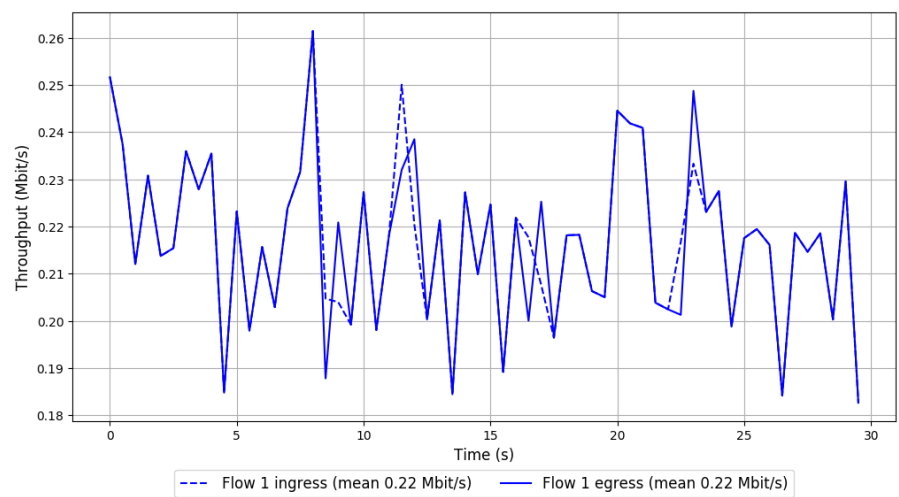
Run 7: Statistics of SCReAM

Start at: 2018-04-24 07:14:33  
End at: 2018-04-24 07:15:03  
Local clock offset: -9.075 ms  
Remote clock offset: -6.977 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.246 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.246 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

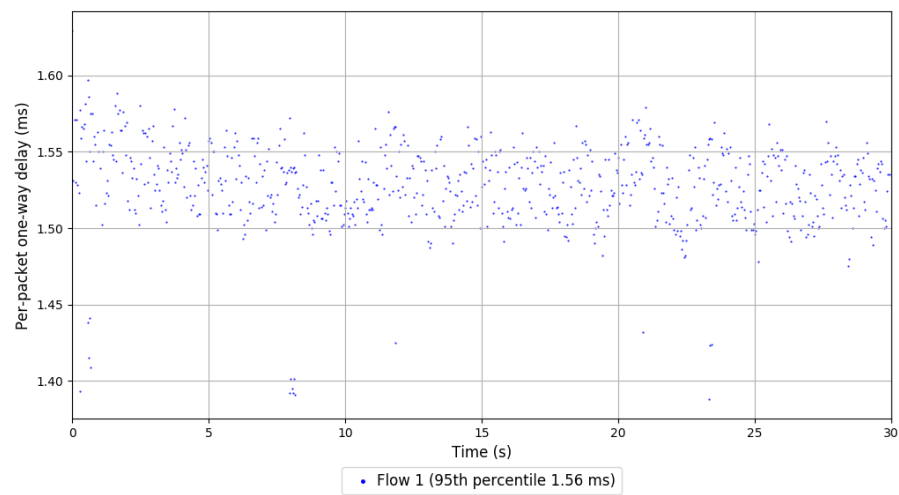
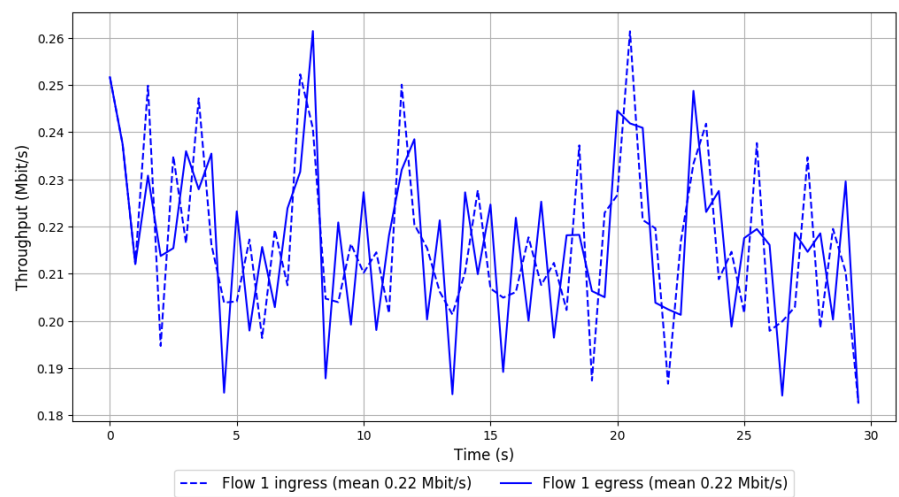


Run 8: Statistics of SCReAM

Start at: 2018-04-24 07:33:37  
End at: 2018-04-24 07:34:07  
Local clock offset: -6.58 ms  
Remote clock offset: -6.253 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.565 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.565 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

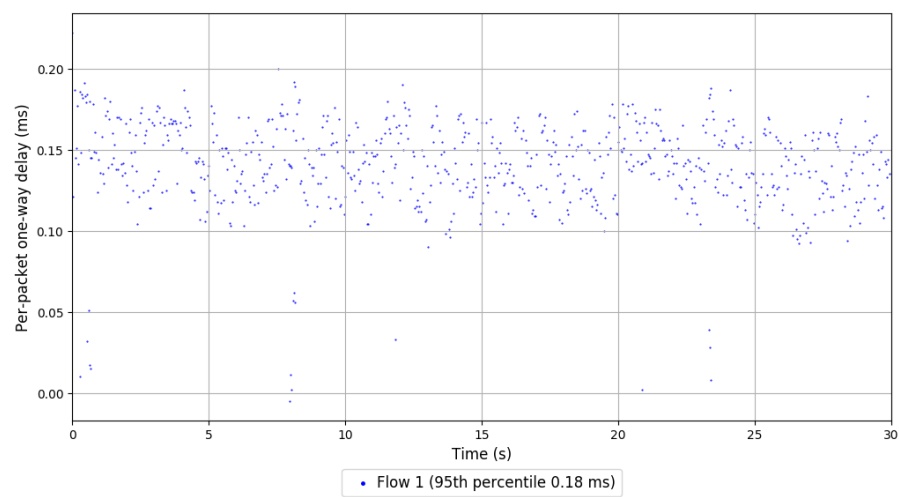
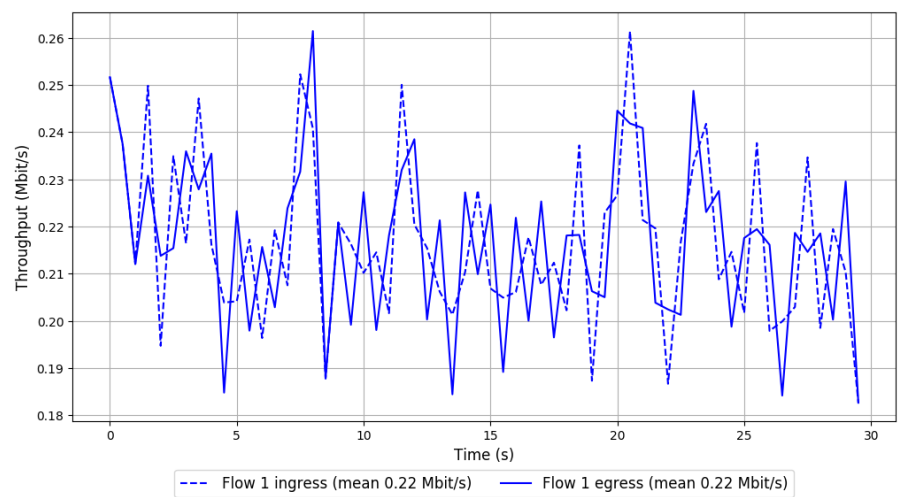


Run 9: Statistics of SCReAM

Start at: 2018-04-24 07:52:40  
End at: 2018-04-24 07:53:10  
Local clock offset: -7.798 ms  
Remote clock offset: -6.368 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.176 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.176 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

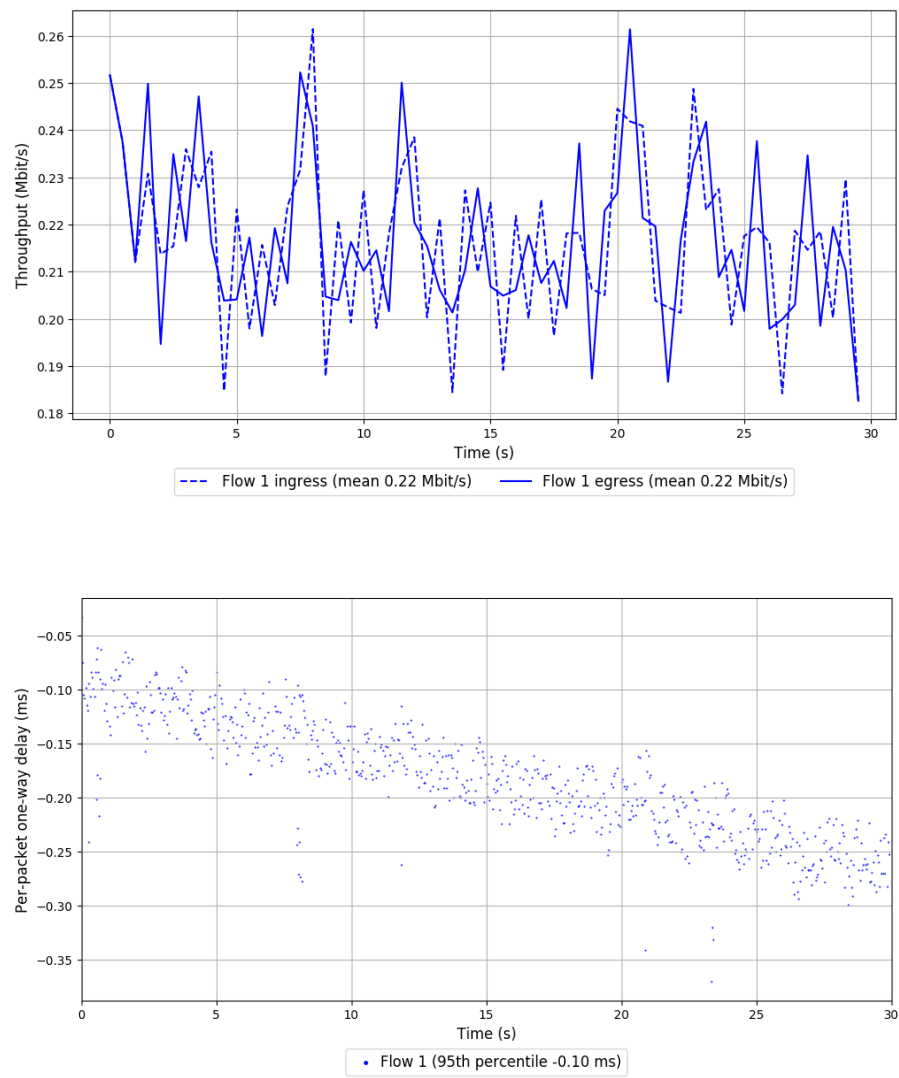


Run 10: Statistics of SReAM

Start at: 2018-04-24 08:11:43  
End at: 2018-04-24 08:12:13  
Local clock offset: 0.49 ms  
Remote clock offset: -6.704 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: -0.097 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: -0.097 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



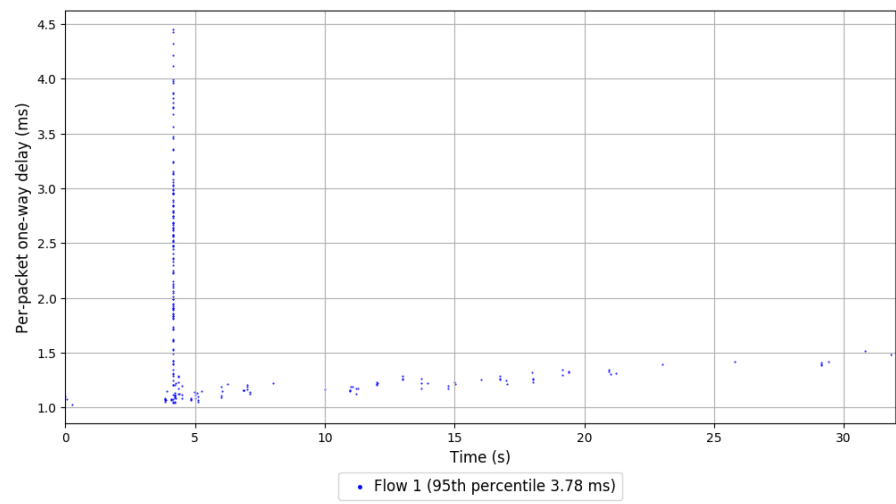
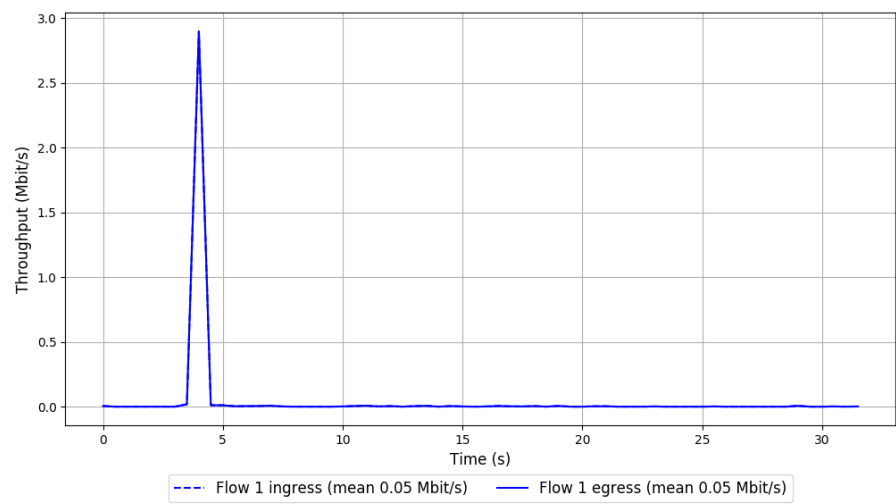
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 05:11:21  
End at: 2018-04-24 05:11:51  
Local clock offset: -8.507 ms  
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.781 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.781 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

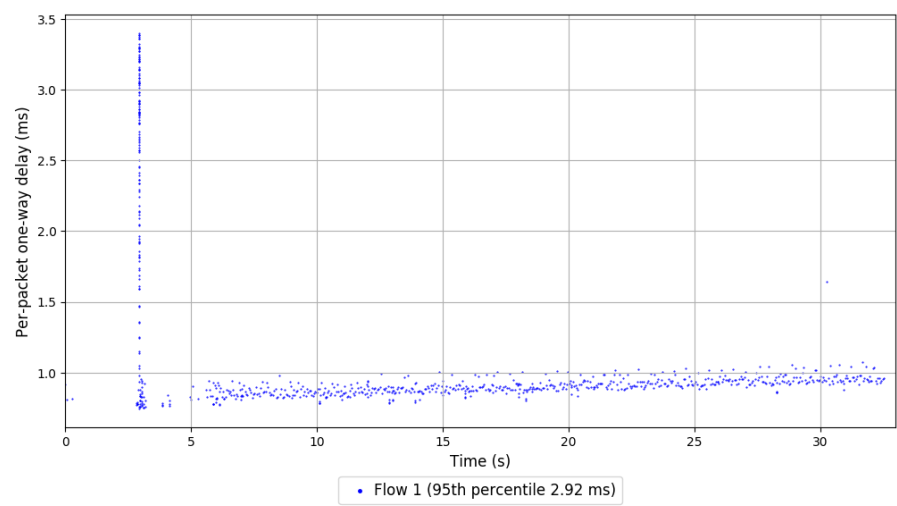
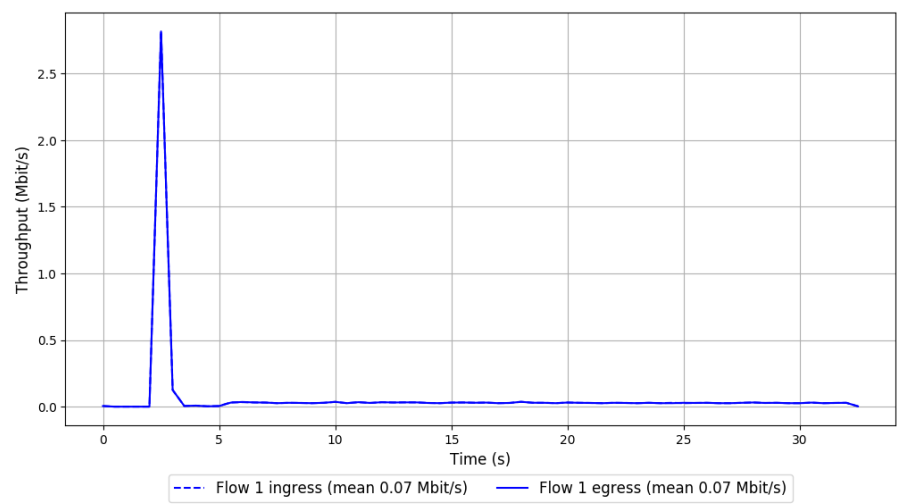


Run 2: Statistics of WebRTC media

Start at: 2018-04-24 05:30:22  
End at: 2018-04-24 05:30:52  
Local clock offset: -10.408 ms  
Remote clock offset: -6.588 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 2.916 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 2.916 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

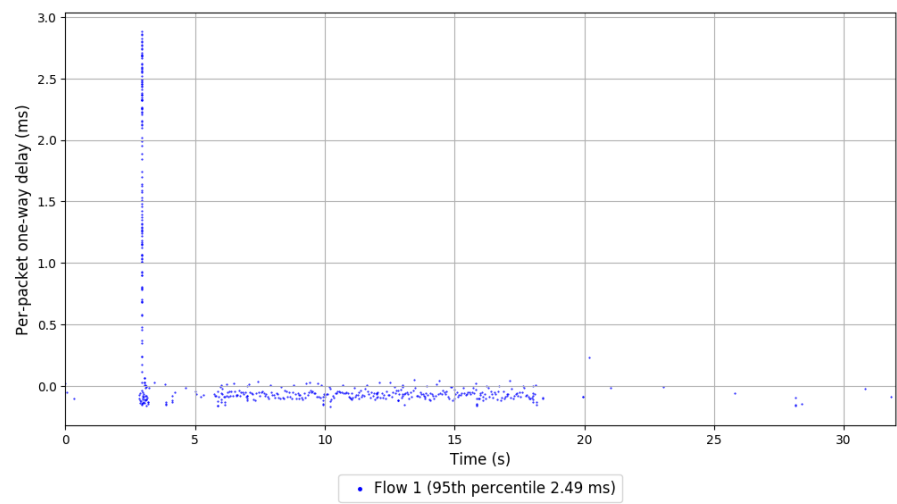
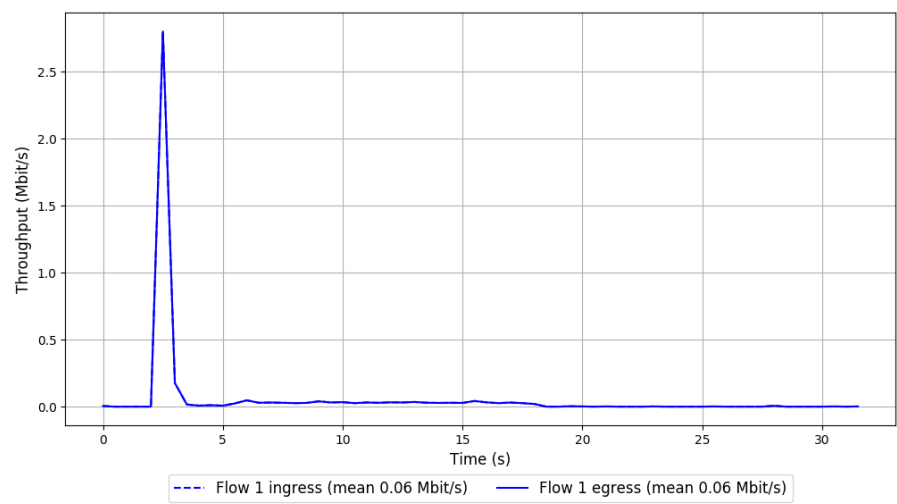


Run 3: Statistics of WebRTC media

Start at: 2018-04-24 05:49:26  
End at: 2018-04-24 05:49:56  
Local clock offset: -11.227 ms  
Remote clock offset: -6.521 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 2.492 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 2.492 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

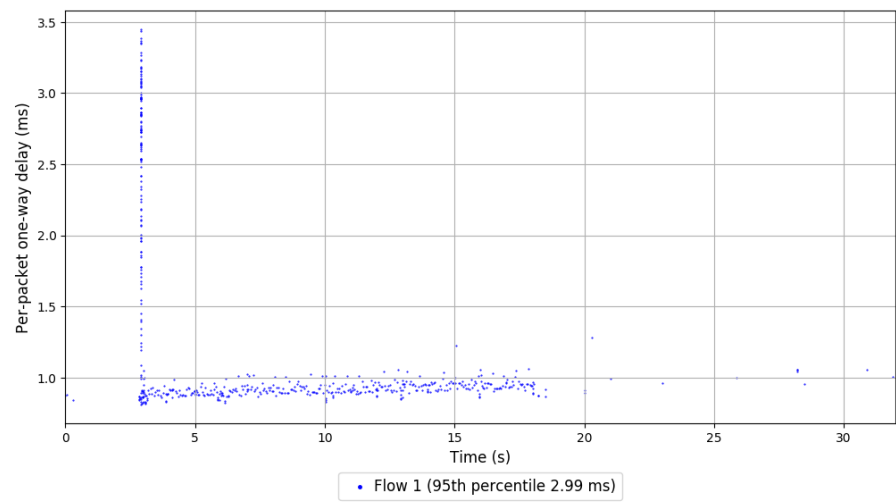
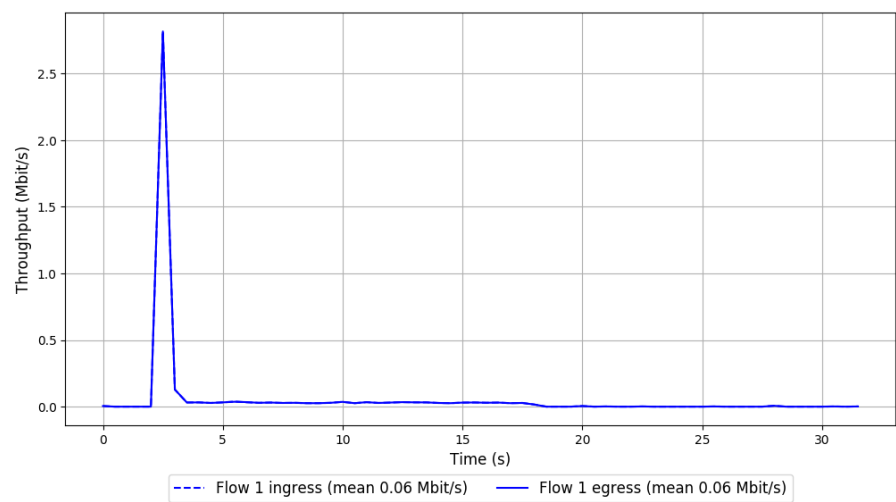


Run 4: Statistics of WebRTC media

Start at: 2018-04-24 06:08:29  
End at: 2018-04-24 06:08:59  
Local clock offset: -13.662 ms  
Remote clock offset: -6.551 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 2.987 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 2.987 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



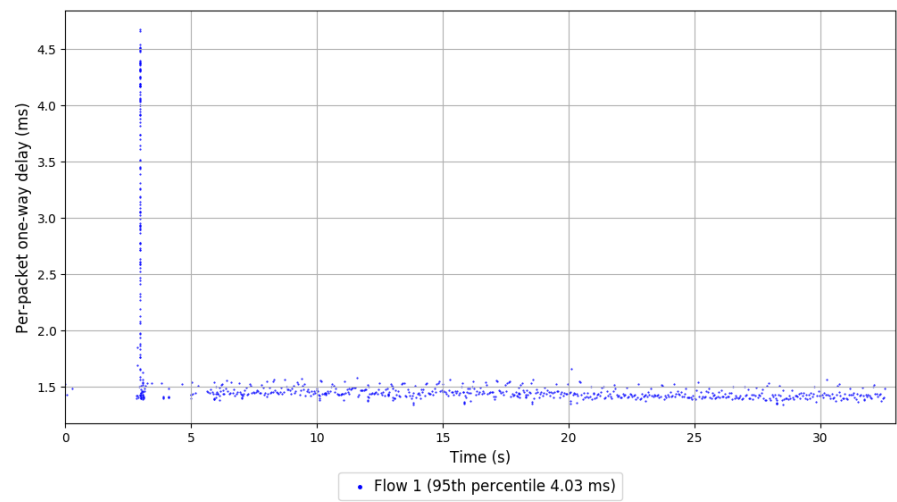
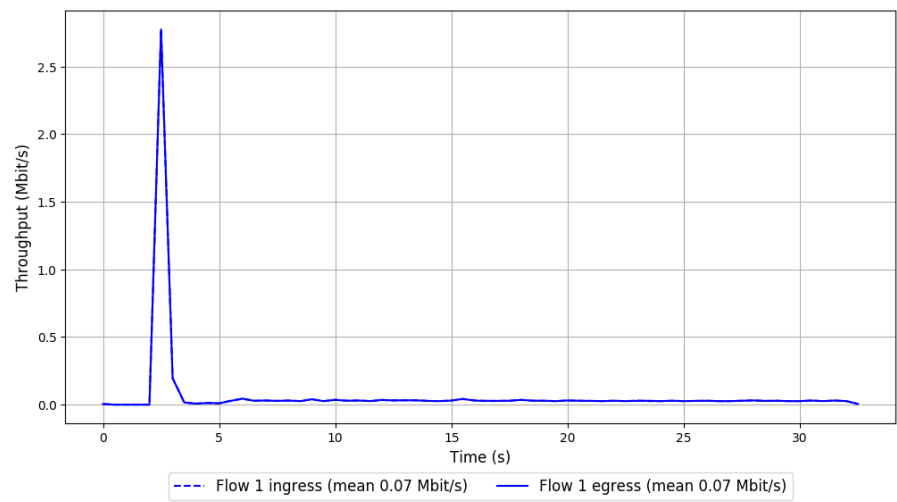
Run 5: Statistics of WebRTC media

Start at: 2018-04-24 06:27:32  
End at: 2018-04-24 06:28:02  
Local clock offset: -9.656 ms  
Remote clock offset: -6.915 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 4.031 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 4.031 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

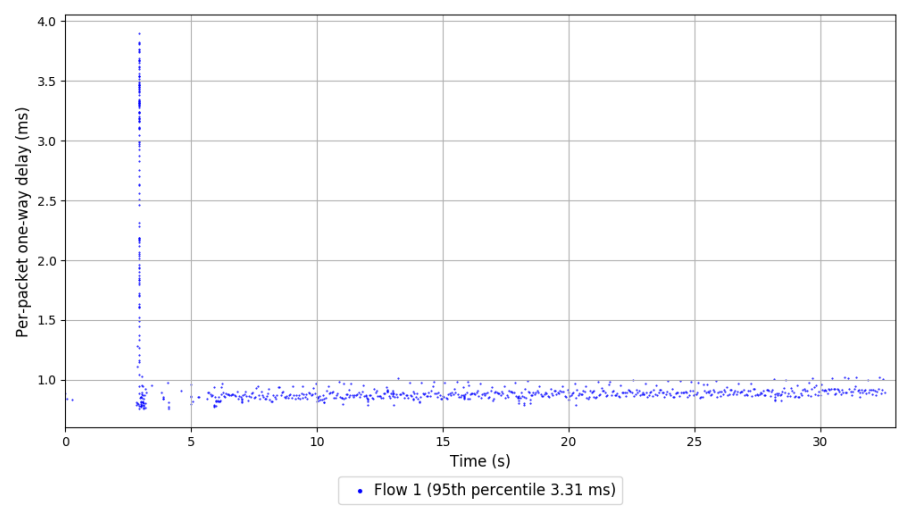
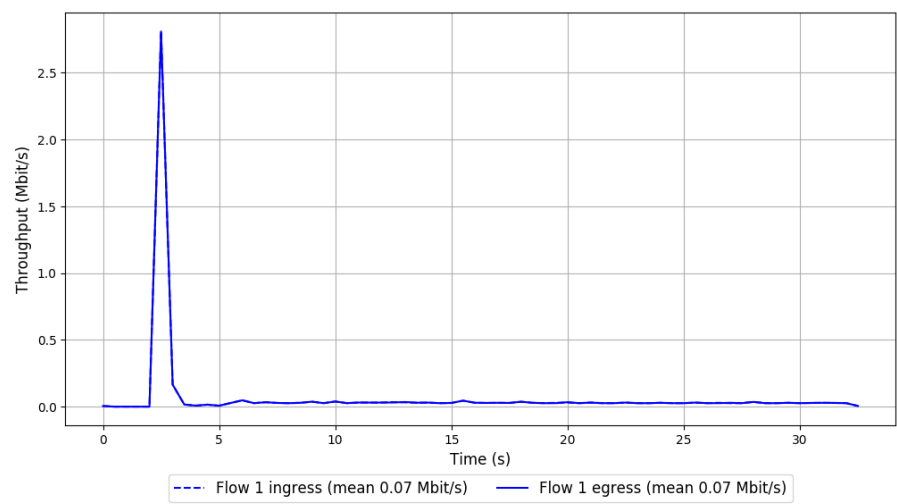


Run 6: Statistics of WebRTC media

Start at: 2018-04-24 06:46:36  
End at: 2018-04-24 06:47:06  
Local clock offset: -10.593 ms  
Remote clock offset: -6.942 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 3.314 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 3.314 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

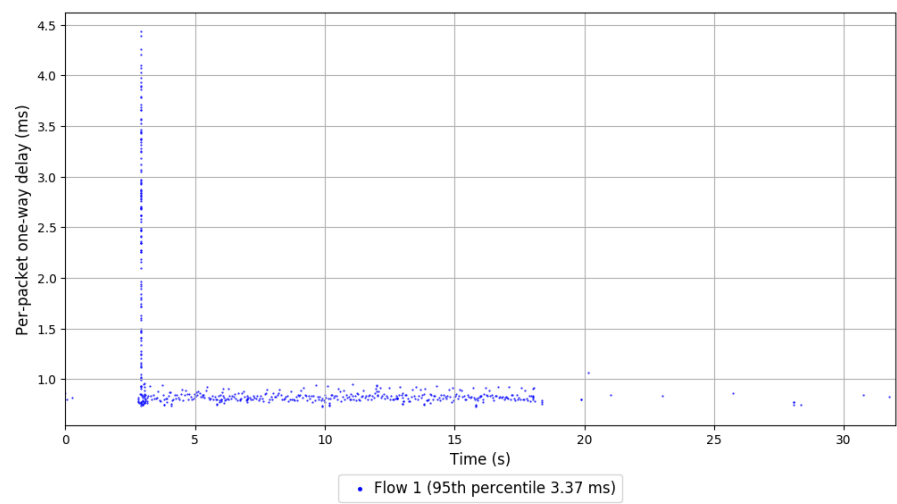
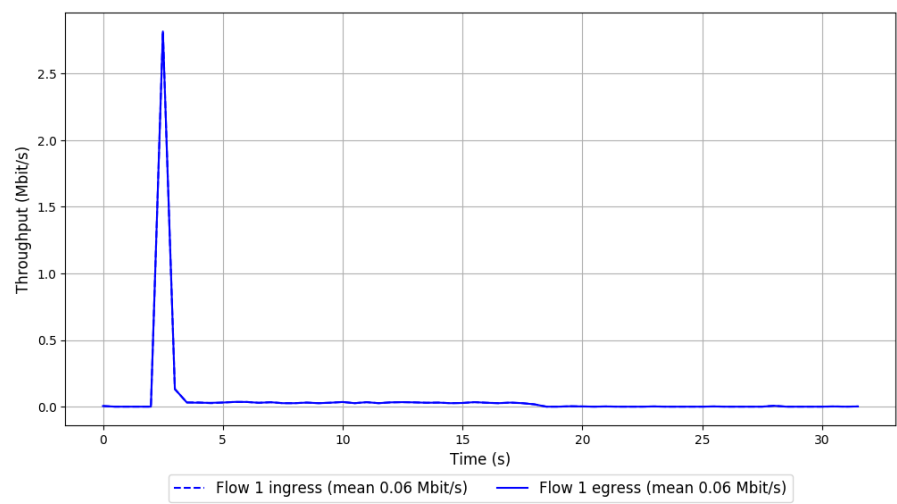


Run 7: Statistics of WebRTC media

Start at: 2018-04-24 07:05:38  
End at: 2018-04-24 07:06:08  
Local clock offset: -8.223 ms  
Remote clock offset: -7.004 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 3.369 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 3.369 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

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

End at: 2018-04-24 07:25:11

Local clock offset: -9.378 ms

Remote clock offset: -6.45 ms

# Below is generated by plot.py at 2018-04-24 11:38:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 2.213 ms

Loss rate: 0.00%

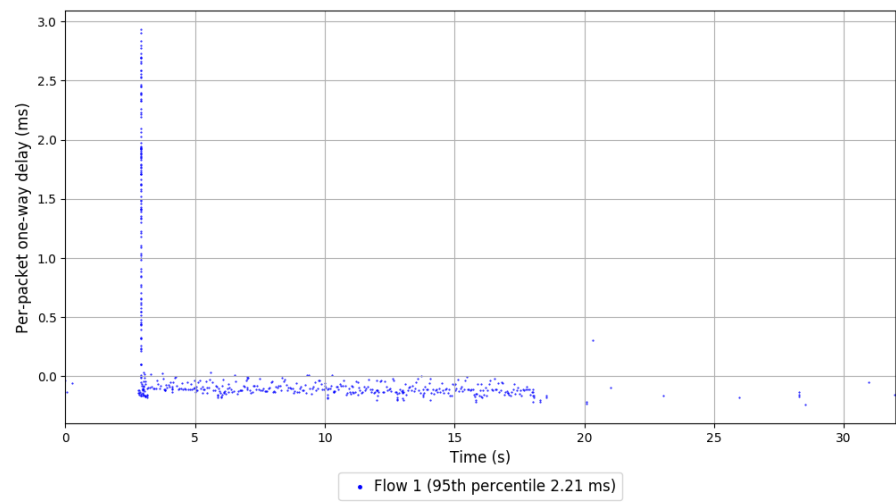
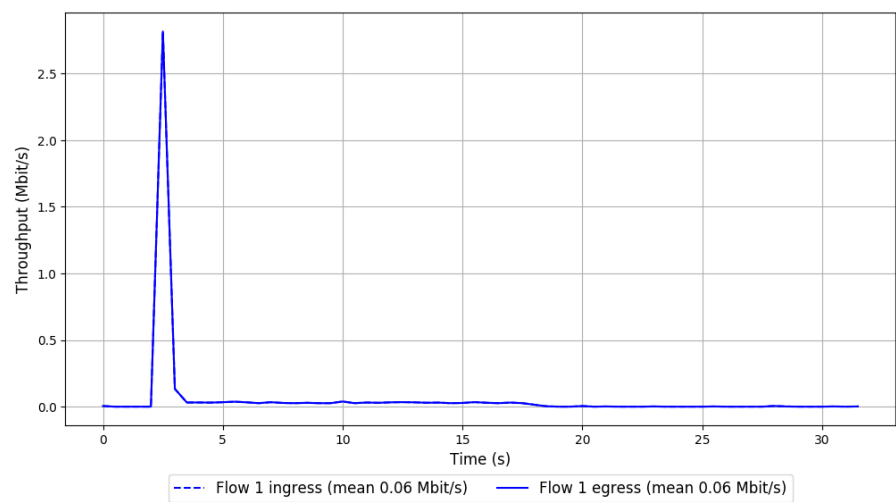
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 2.213 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



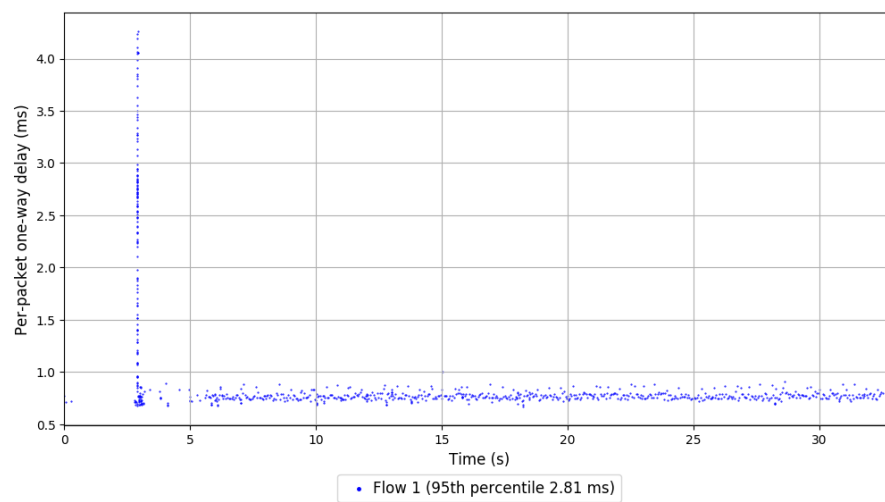
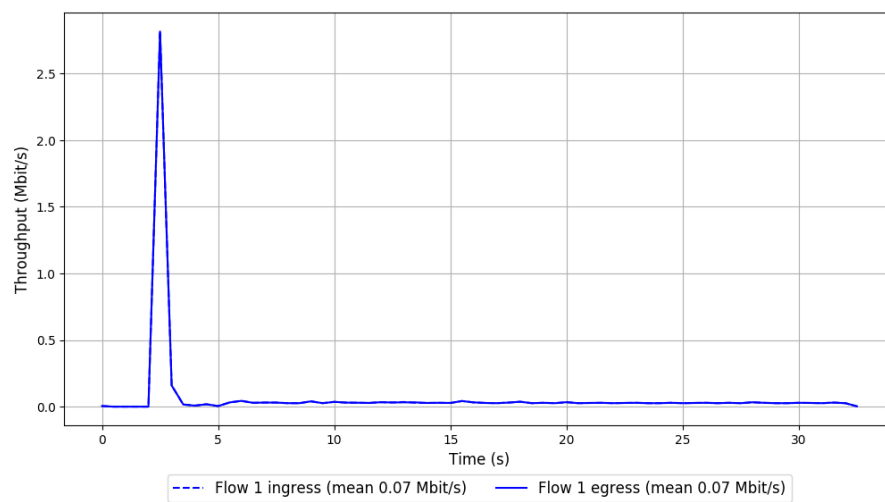
Run 9: Statistics of WebRTC media

Start at: 2018-04-24 07:43:45  
End at: 2018-04-24 07:44:15  
Local clock offset: -7.012 ms  
Remote clock offset: -6.128 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 2.814 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 2.814 ms  
Loss rate: 0.00%



### Run 9: Report of WebRTC media — Data Link

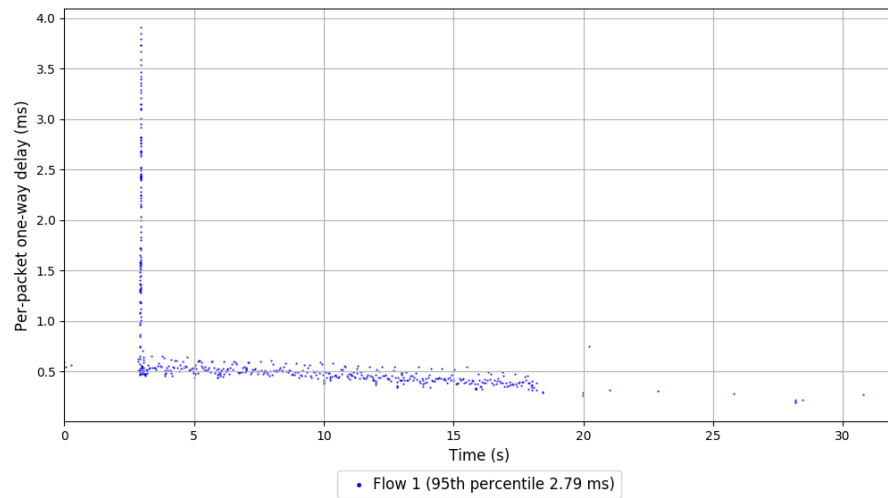
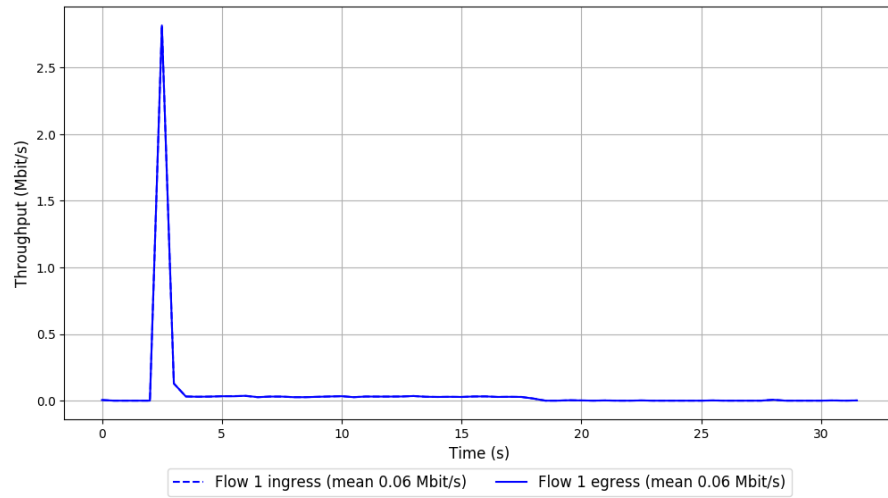


Run 10: Statistics of WebRTC media

Start at: 2018-04-24 08:02:48  
End at: 2018-04-24 08:03:18  
Local clock offset: -3.065 ms  
Remote clock offset: -6.627 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 2.794 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 2.794 ms  
Loss rate: 0.00%

# Run 10: Report of WebRTC media — Data Link

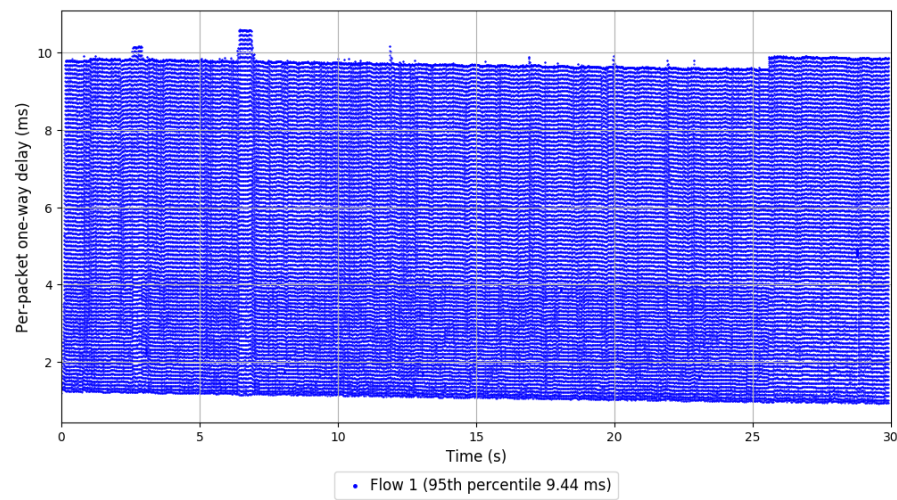
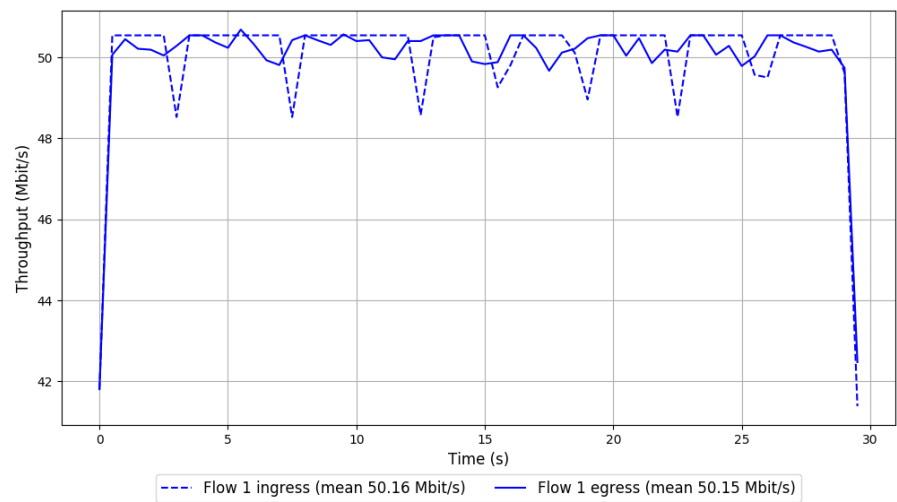


Run 1: Statistics of Sprout

Start at: 2018-04-24 05:23:32  
End at: 2018-04-24 05:24:02  
Local clock offset: -10.914 ms  
Remote clock offset: -6.656 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.15 Mbit/s  
95th percentile per-packet one-way delay: 9.442 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.15 Mbit/s  
95th percentile per-packet one-way delay: 9.442 ms  
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

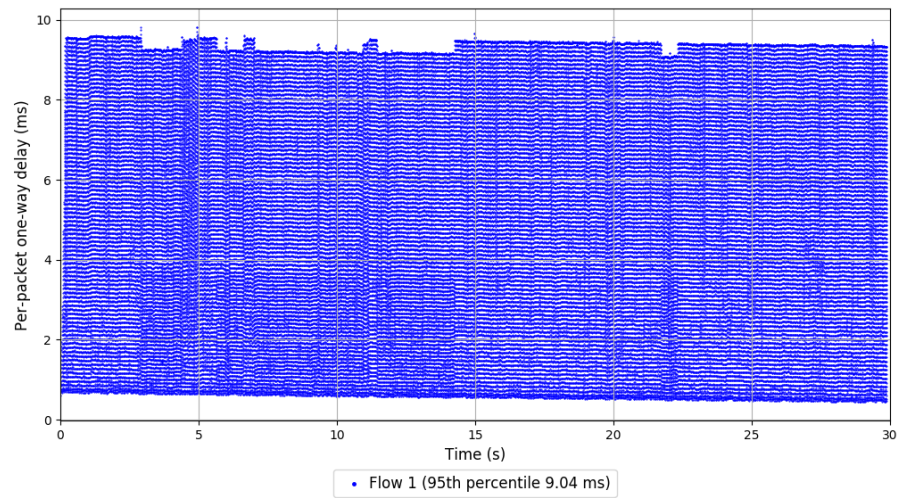
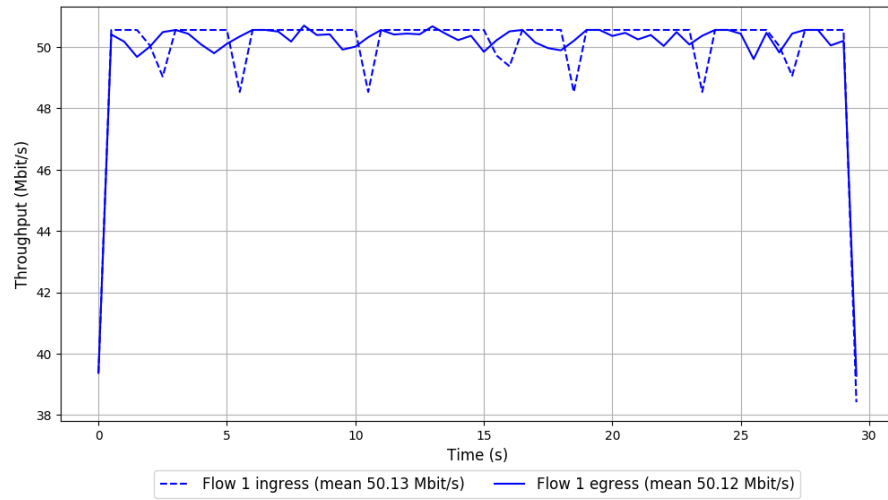


Run 2: Statistics of Sprout

Start at: 2018-04-24 05:42:37  
End at: 2018-04-24 05:43:07  
Local clock offset: -12.338 ms  
Remote clock offset: -6.603 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.12 Mbit/s  
95th percentile per-packet one-way delay: 9.041 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.12 Mbit/s  
95th percentile per-packet one-way delay: 9.041 ms  
Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link



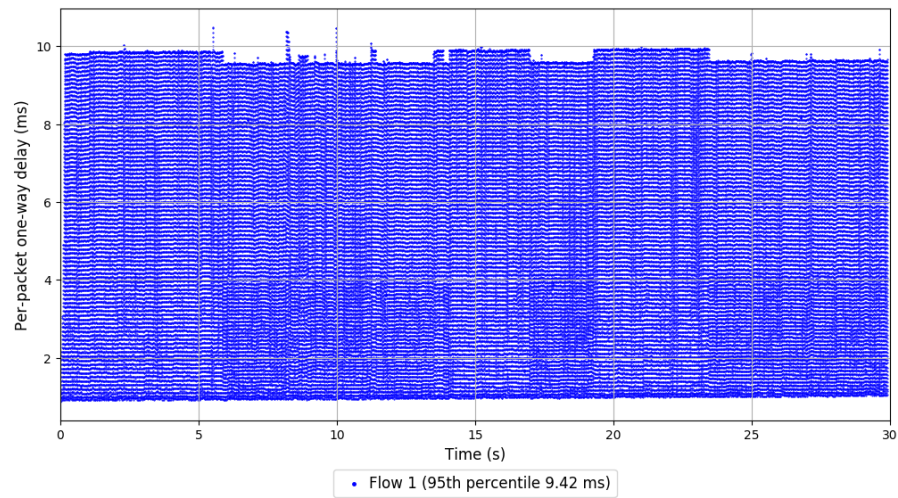
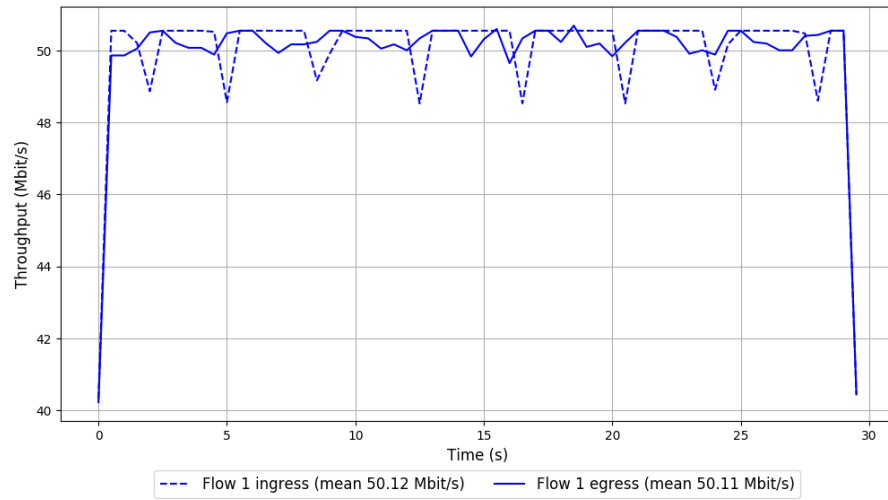
Run 3: Statistics of Sprout

Start at: 2018-04-24 06:01:39  
End at: 2018-04-24 06:02:09  
Local clock offset: -11.911 ms  
Remote clock offset: -6.426 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.11 Mbit/s  
95th percentile per-packet one-way delay: 9.418 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.11 Mbit/s  
95th percentile per-packet one-way delay: 9.418 ms  
Loss rate: 0.00%



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

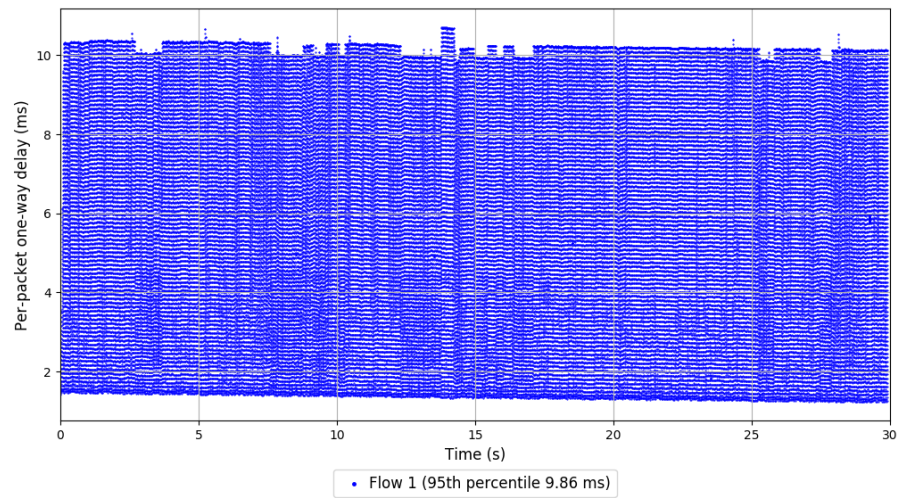
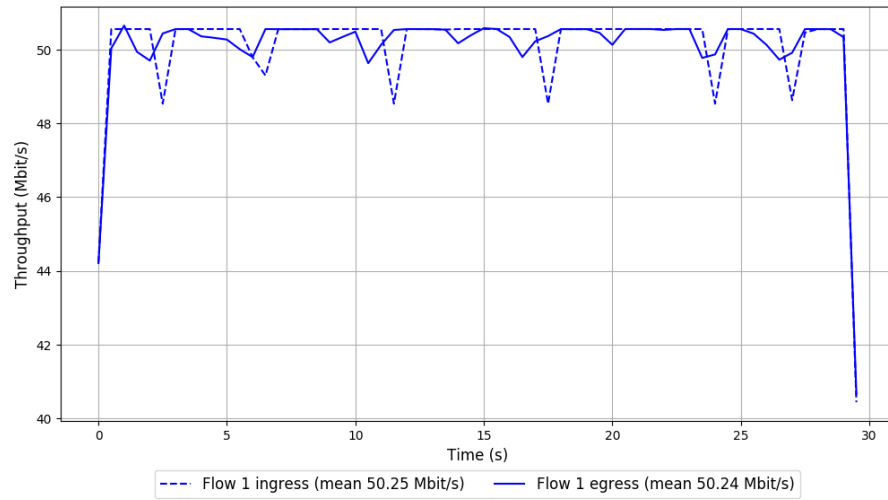


Run 4: Statistics of Sprout

Start at: 2018-04-24 06:20:42  
End at: 2018-04-24 06:21:12  
Local clock offset: -11.777 ms  
Remote clock offset: -6.844 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.24 Mbit/s  
95th percentile per-packet one-way delay: 9.857 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.24 Mbit/s  
95th percentile per-packet one-way delay: 9.857 ms  
Loss rate: 0.00%

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

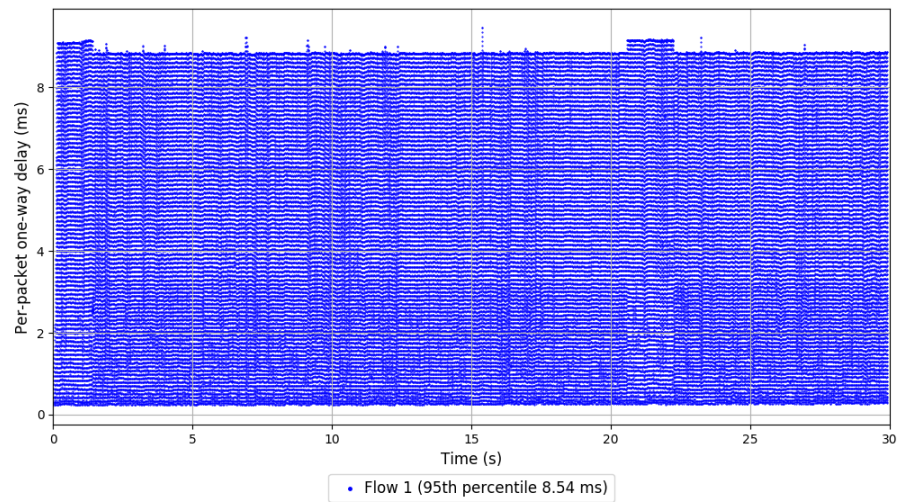
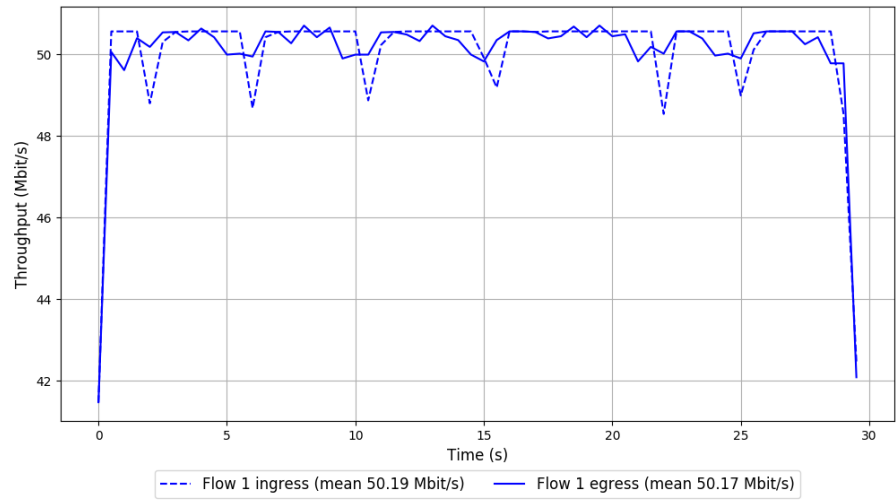


Run 5: Statistics of Sprout

Start at: 2018-04-24 06:39:46  
End at: 2018-04-24 06:40:16  
Local clock offset: -10.815 ms  
Remote clock offset: -6.999 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.17 Mbit/s  
95th percentile per-packet one-way delay: 8.542 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 50.17 Mbit/s  
95th percentile per-packet one-way delay: 8.542 ms  
Loss rate: 0.01%

### Run 5: Report of Sprout — Data Link

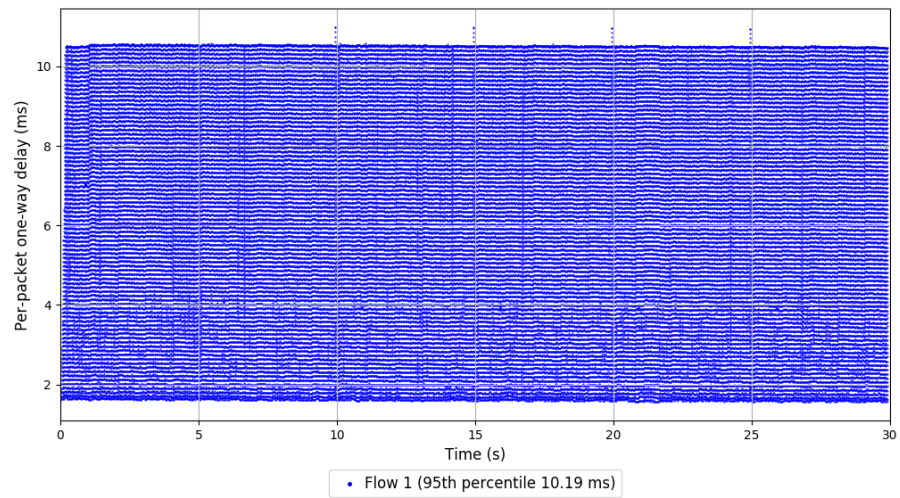
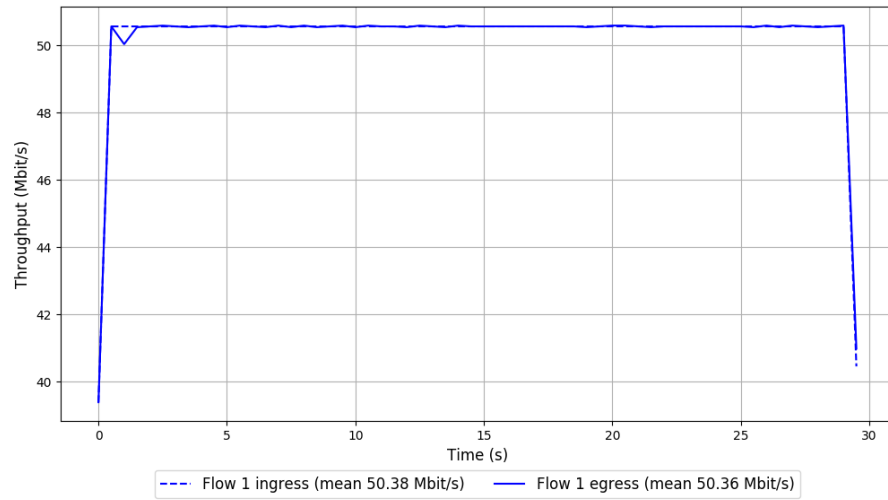


Run 6: Statistics of Sprout

Start at: 2018-04-24 06:58:48  
End at: 2018-04-24 06:59:18  
Local clock offset: -7.951 ms  
Remote clock offset: -7.001 ms

# Below is generated by plot.py at 2018-04-24 11:38:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.36 Mbit/s  
95th percentile per-packet one-way delay: 10.194 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.36 Mbit/s  
95th percentile per-packet one-way delay: 10.194 ms  
Loss rate: 0.00%

## Run 6: Report of Sprout — Data Link



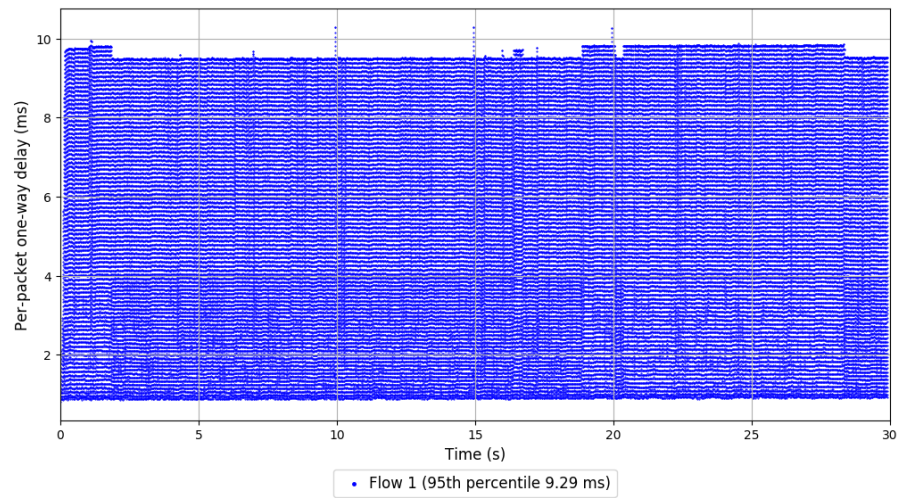
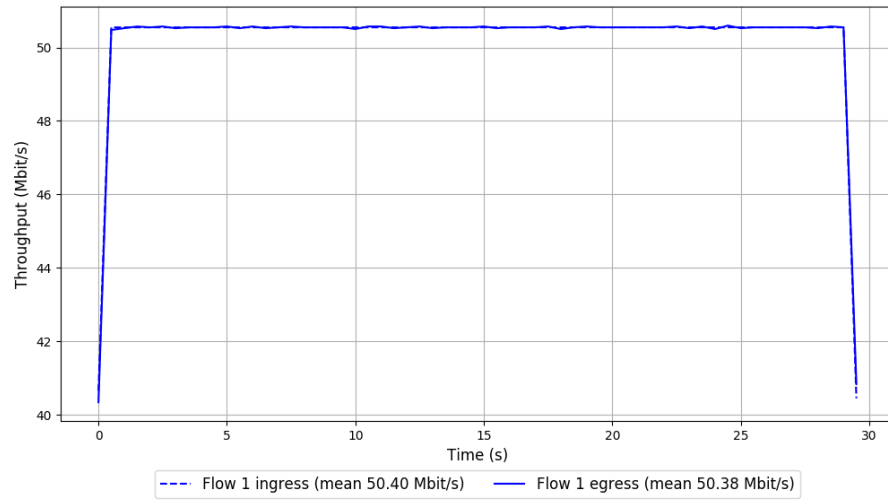
Run 7: Statistics of Sprout

Start at: 2018-04-24 07:17:51  
End at: 2018-04-24 07:18:21  
Local clock offset: -8.41 ms  
Remote clock offset: -6.672 ms

# Below is generated by plot.py at 2018-04-24 11:38:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.38 Mbit/s  
95th percentile per-packet one-way delay: 9.287 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.38 Mbit/s  
95th percentile per-packet one-way delay: 9.287 ms  
Loss rate: 0.00%



## Run 7: Report of Sprout — Data Link

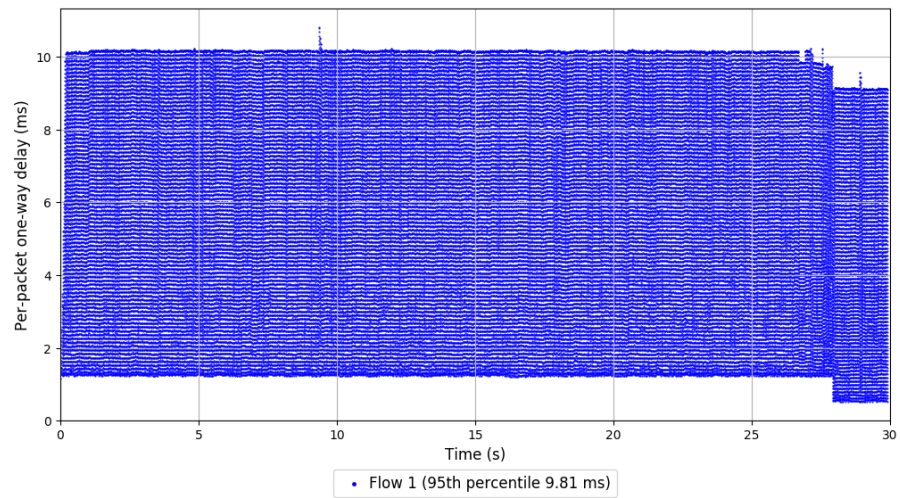
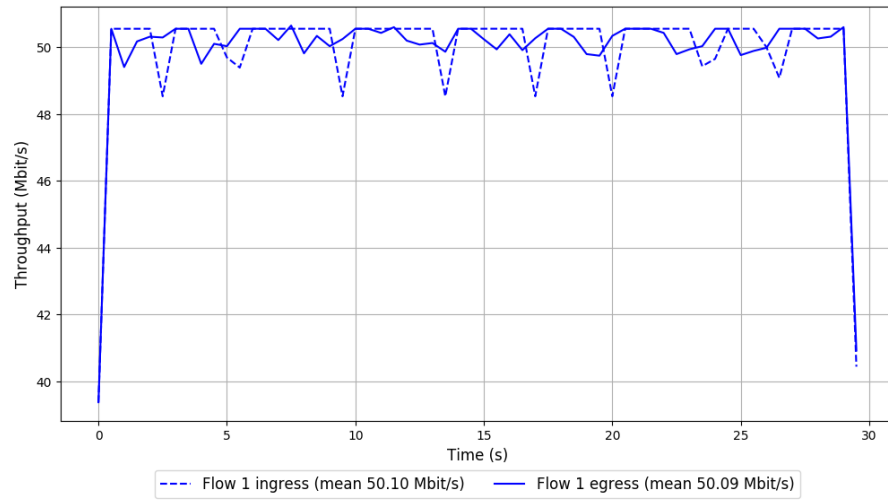


Run 8: Statistics of Sprout

Start at: 2018-04-24 07:36:55  
End at: 2018-04-24 07:37:25  
Local clock offset: -7.461 ms  
Remote clock offset: -6.219 ms

# Below is generated by plot.py at 2018-04-24 11:38:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.09 Mbit/s  
95th percentile per-packet one-way delay: 9.808 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.09 Mbit/s  
95th percentile per-packet one-way delay: 9.808 ms  
Loss rate: 0.00%

# Run 8: Report of Sprout — Data Link

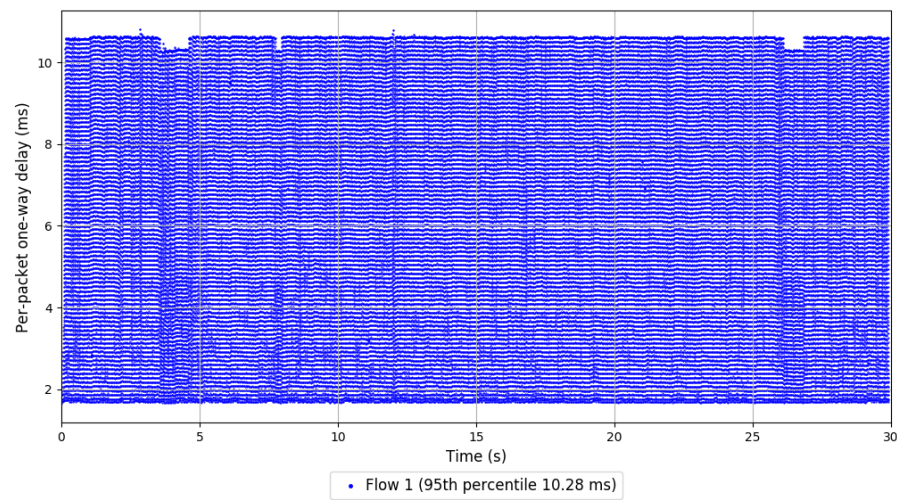
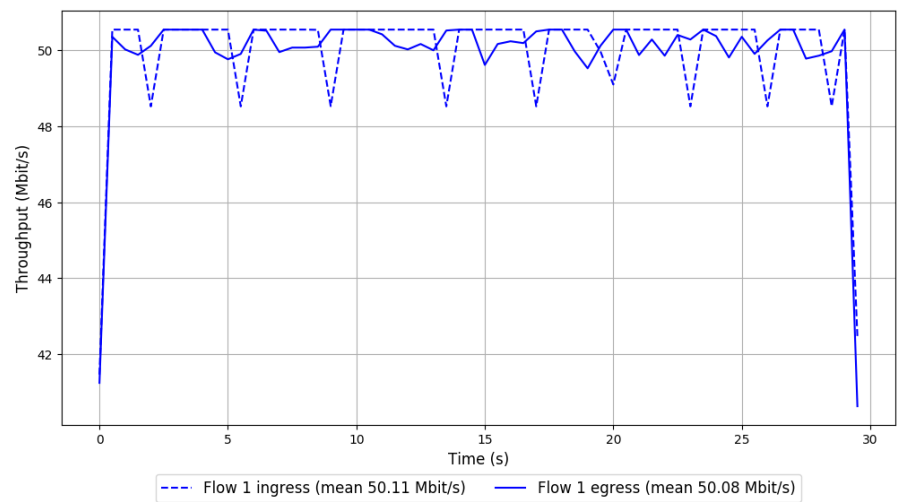


Run 9: Statistics of Sprout

Start at: 2018-04-24 07:55:58  
End at: 2018-04-24 07:56:28  
Local clock offset: -6.386 ms  
Remote clock offset: -6.516 ms

# Below is generated by plot.py at 2018-04-24 11:38:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.08 Mbit/s  
95th percentile per-packet one-way delay: 10.279 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 50.08 Mbit/s  
95th percentile per-packet one-way delay: 10.279 ms  
Loss rate: 0.06%

Run 9: Report of Sprout — Data Link

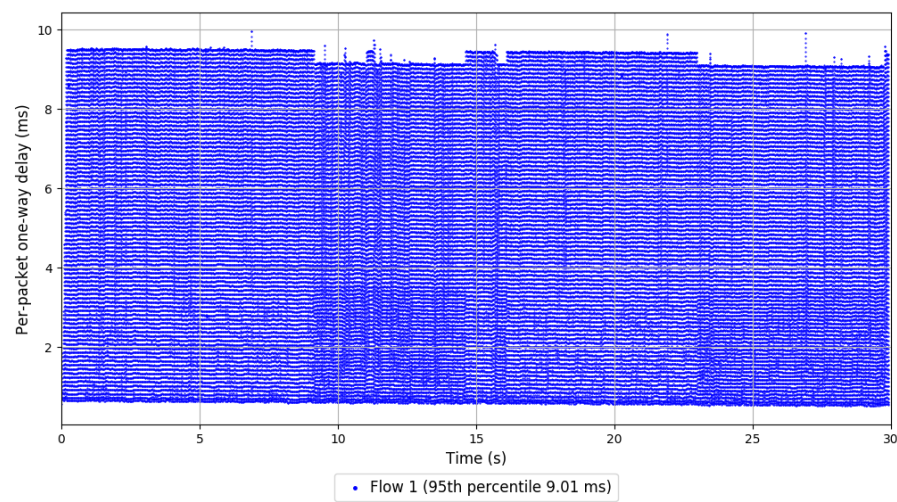
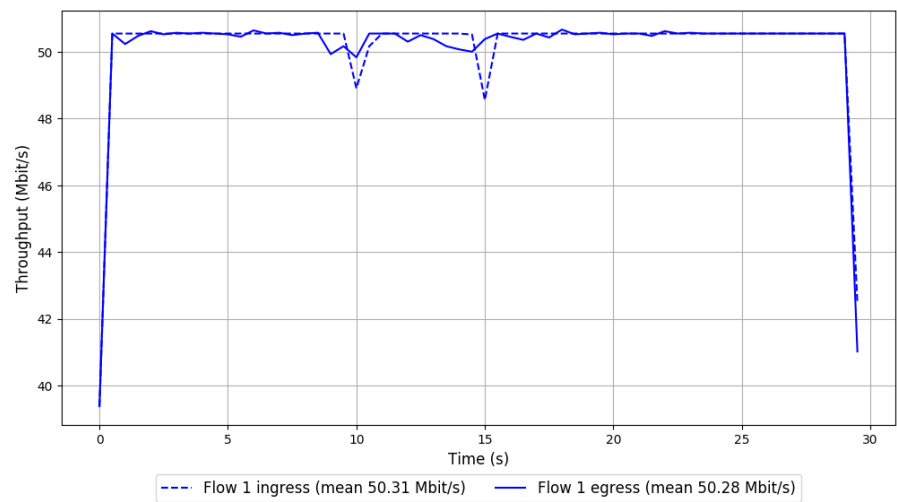


Run 10: Statistics of Sprout

Start at: 2018-04-24 08:15:01  
End at: 2018-04-24 08:15:31  
Local clock offset: 2.124 ms  
Remote clock offset: -6.744 ms

# Below is generated by plot.py at 2018-04-24 11:38:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.28 Mbit/s  
95th percentile per-packet one-way delay: 9.009 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 50.28 Mbit/s  
95th percentile per-packet one-way delay: 9.009 ms  
Loss rate: 0.06%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-04-24 05:05:36

End at: 2018-04-24 05:06:06

Local clock offset: -6.95 ms

Remote clock offset: -6.749 ms

# Below is generated by plot.py at 2018-04-24 11:40:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.76 Mbit/s

95th percentile per-packet one-way delay: 1.871 ms

Loss rate: 0.01%

-- Flow 1:

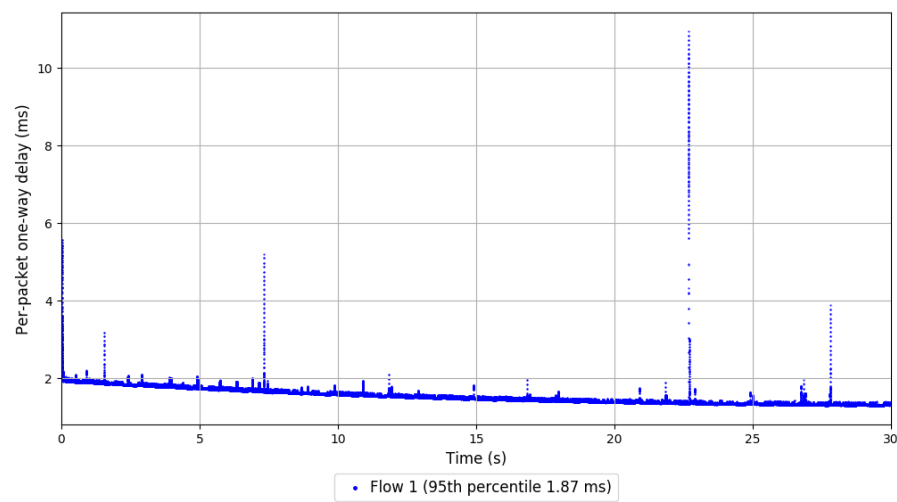
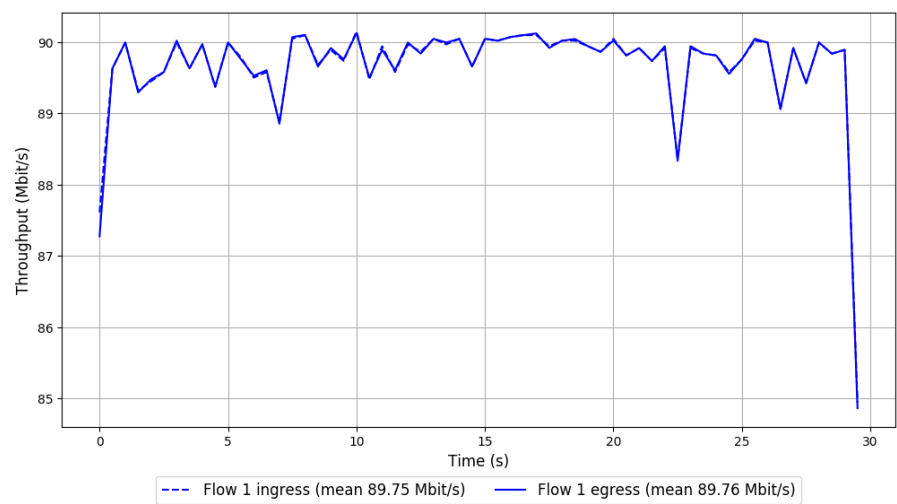
Average throughput: 89.76 Mbit/s

95th percentile per-packet one-way delay: 1.871 ms

Loss rate: 0.01%



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

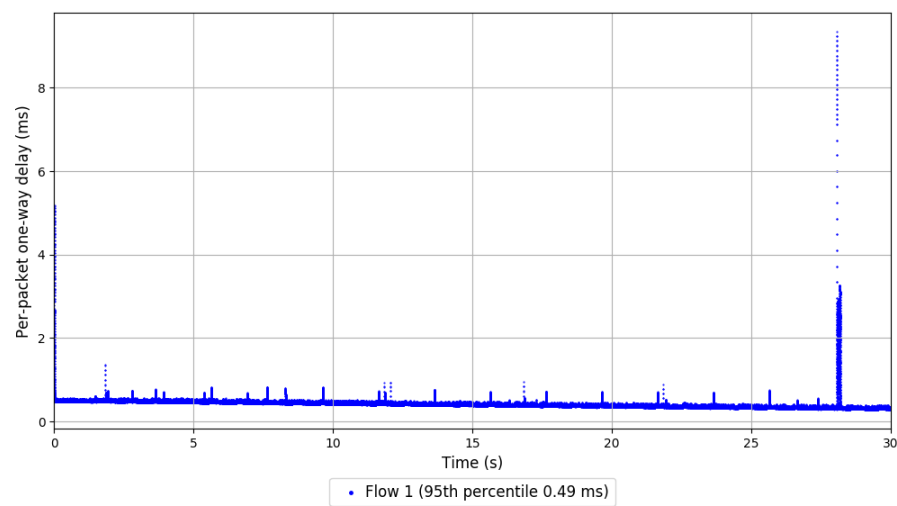
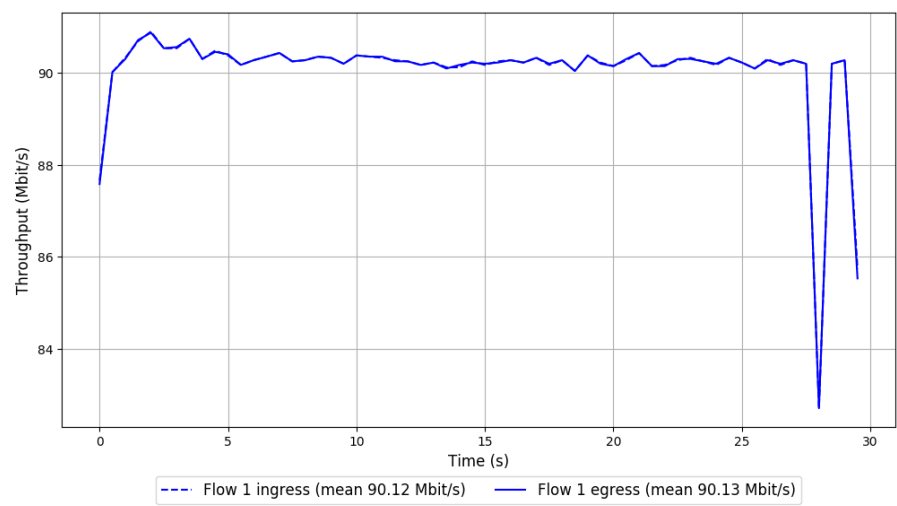


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-24 05:24:37  
End at: 2018-04-24 05:25:07  
Local clock offset: -11.028 ms  
Remote clock offset: -6.655 ms

# Below is generated by plot.py at 2018-04-24 11:40:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.13 Mbit/s  
95th percentile per-packet one-way delay: 0.495 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.13 Mbit/s  
95th percentile per-packet one-way delay: 0.495 ms  
Loss rate: 0.00%

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

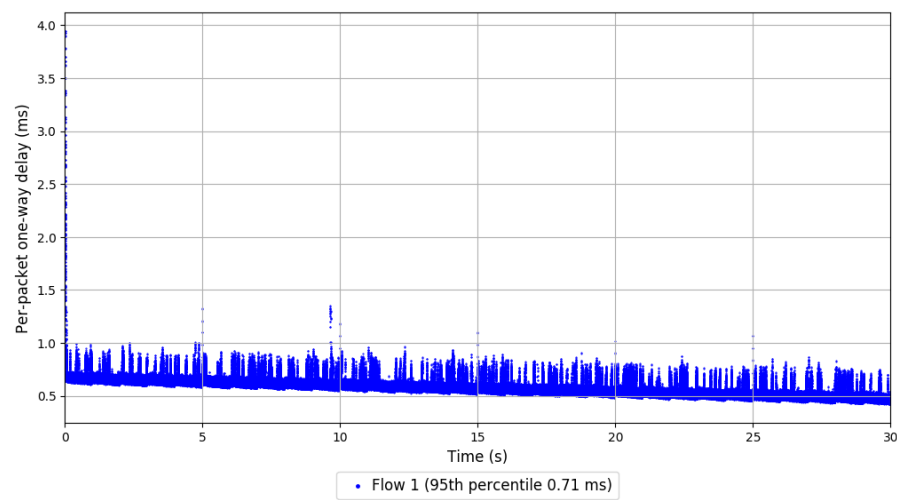
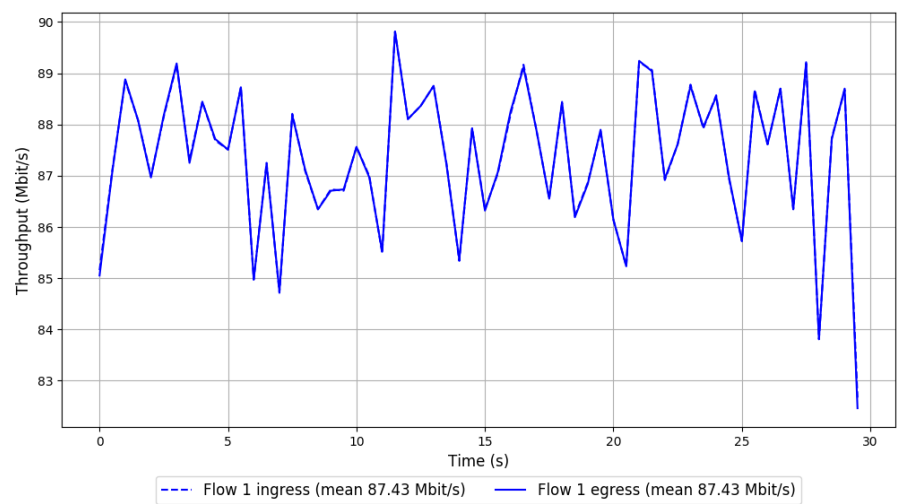


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-24 05:43:42  
End at: 2018-04-24 05:44:12  
Local clock offset: -11.798 ms  
Remote clock offset: -6.544 ms

# Below is generated by plot.py at 2018-04-24 11:40:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.43 Mbit/s  
95th percentile per-packet one-way delay: 0.706 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 87.43 Mbit/s  
95th percentile per-packet one-way delay: 0.706 ms  
Loss rate: 0.01%

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

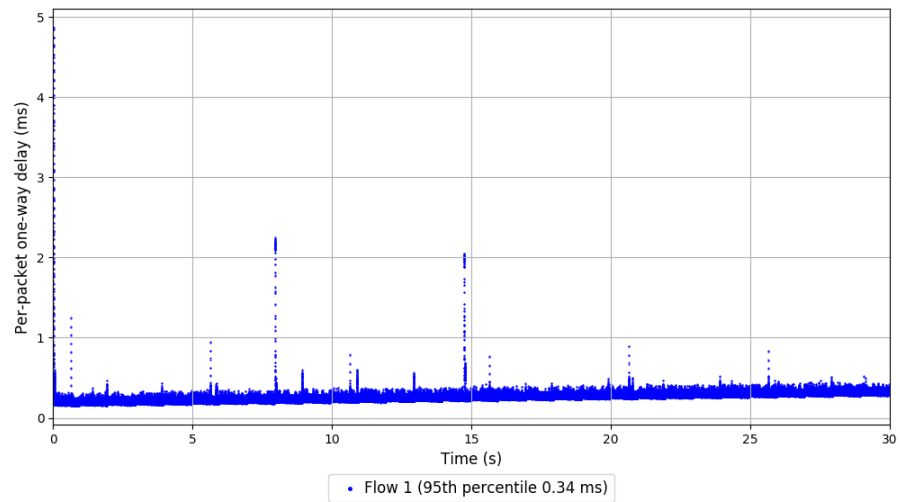
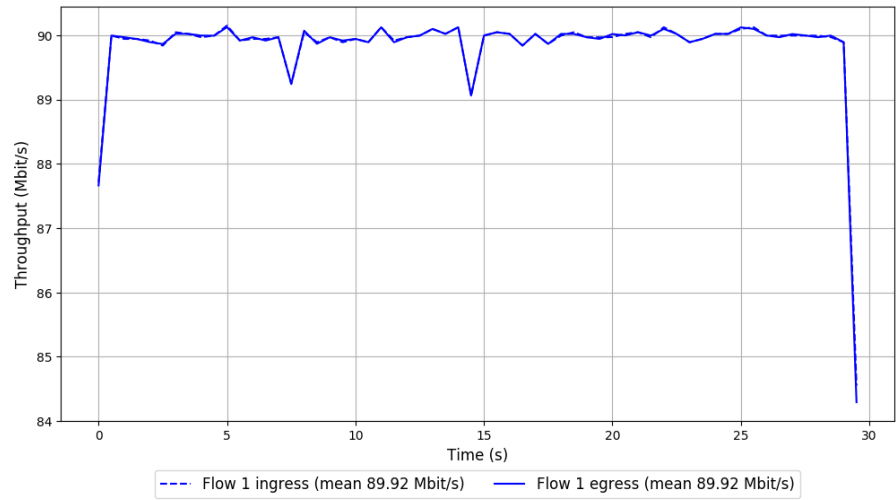


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-24 06:02:44  
End at: 2018-04-24 06:03:14  
Local clock offset: -12.892 ms  
Remote clock offset: -6.417 ms

# Below is generated by plot.py at 2018-04-24 11:40:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.92 Mbit/s  
95th percentile per-packet one-way delay: 0.343 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 89.92 Mbit/s  
95th percentile per-packet one-way delay: 0.343 ms  
Loss rate: 0.01%

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



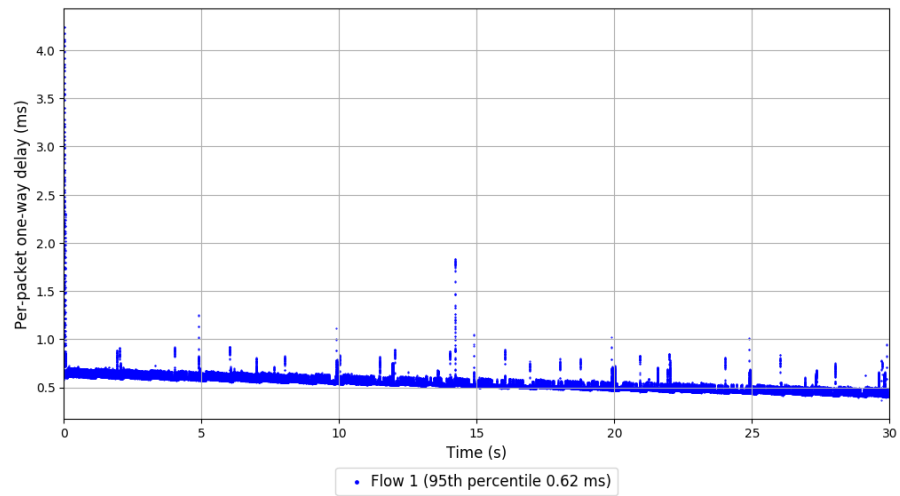
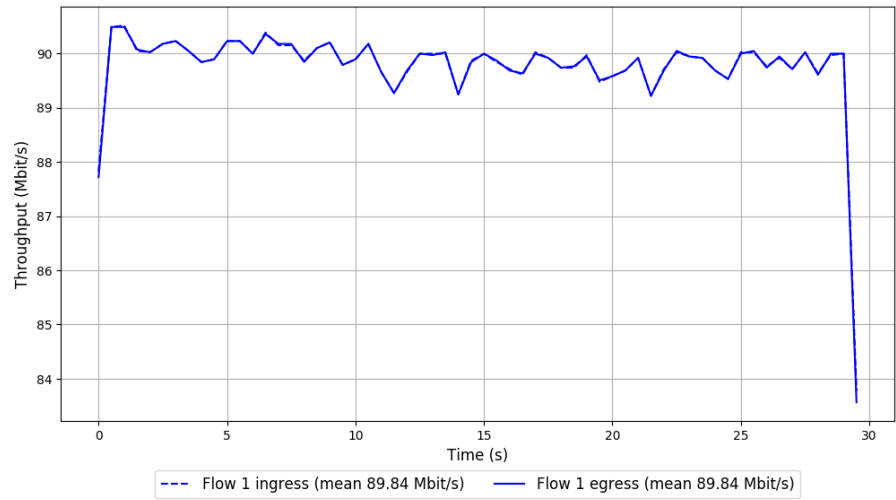
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-24 06:21:47  
End at: 2018-04-24 06:22:17  
Local clock offset: -12.114 ms  
Remote clock offset: -6.873 ms

# Below is generated by plot.py at 2018-04-24 11:41:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.84 Mbit/s  
95th percentile per-packet one-way delay: 0.618 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 89.84 Mbit/s  
95th percentile per-packet one-way delay: 0.618 ms  
Loss rate: 0.01%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-24 06:40:51

End at: 2018-04-24 06:41:21

Local clock offset: -9.411 ms

Remote clock offset: -6.93 ms

# Below is generated by plot.py at 2018-04-24 11:41:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 1.660 ms

Loss rate: 0.00%

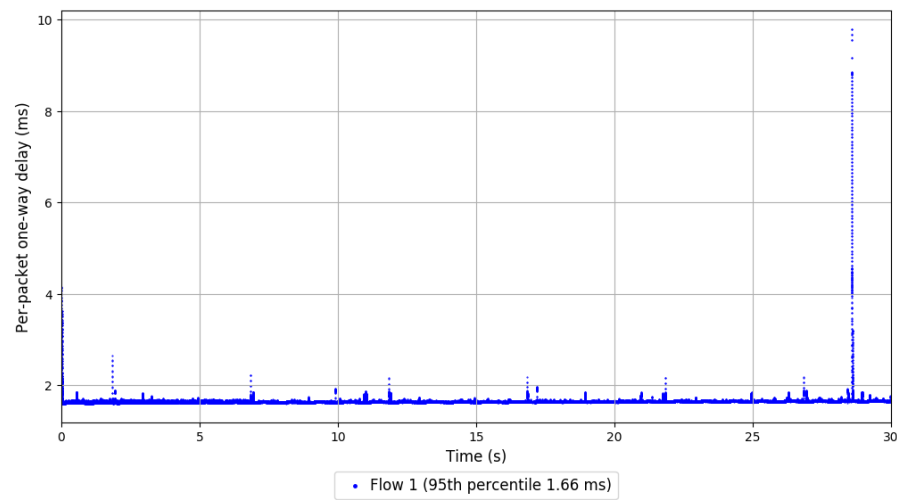
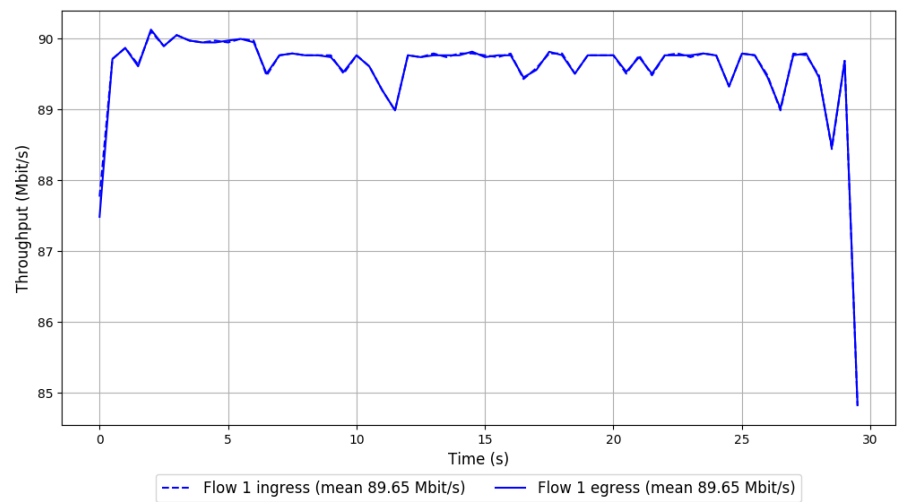
-- Flow 1:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 1.660 ms

Loss rate: 0.00%

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

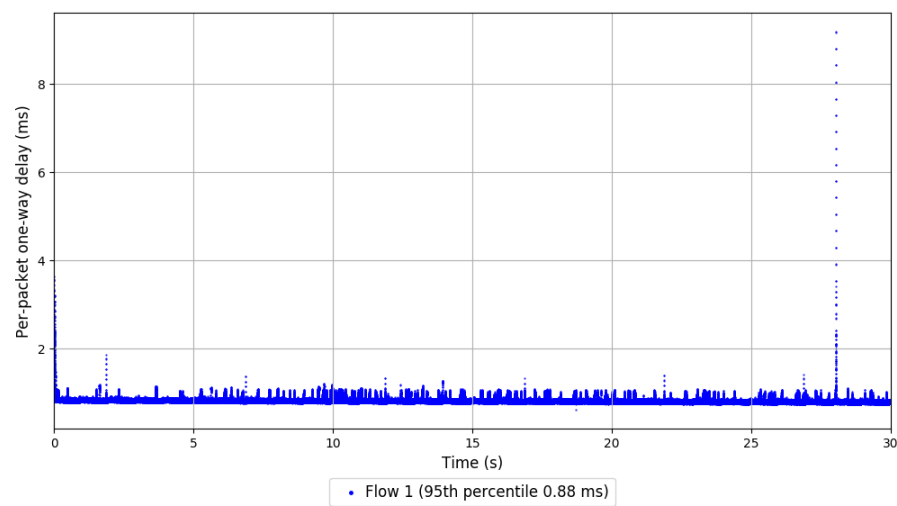
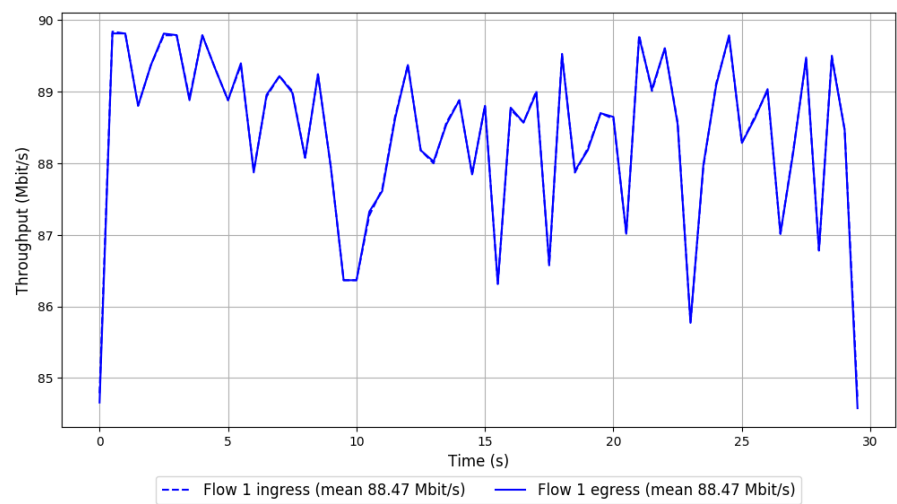


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-24 06:59:53  
End at: 2018-04-24 07:00:23  
Local clock offset: -8.565 ms  
Remote clock offset: -6.947 ms

# Below is generated by plot.py at 2018-04-24 11:41:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.47 Mbit/s  
95th percentile per-packet one-way delay: 0.879 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 88.47 Mbit/s  
95th percentile per-packet one-way delay: 0.879 ms  
Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-24 07:18:56

End at: 2018-04-24 07:19:26

Local clock offset: -8.456 ms

Remote clock offset: -6.725 ms

# Below is generated by plot.py at 2018-04-24 11:41:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.92 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.01%

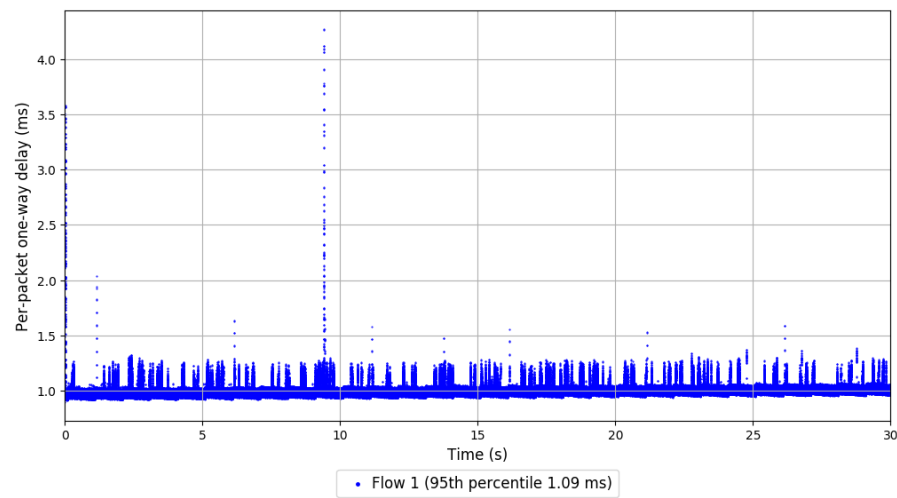
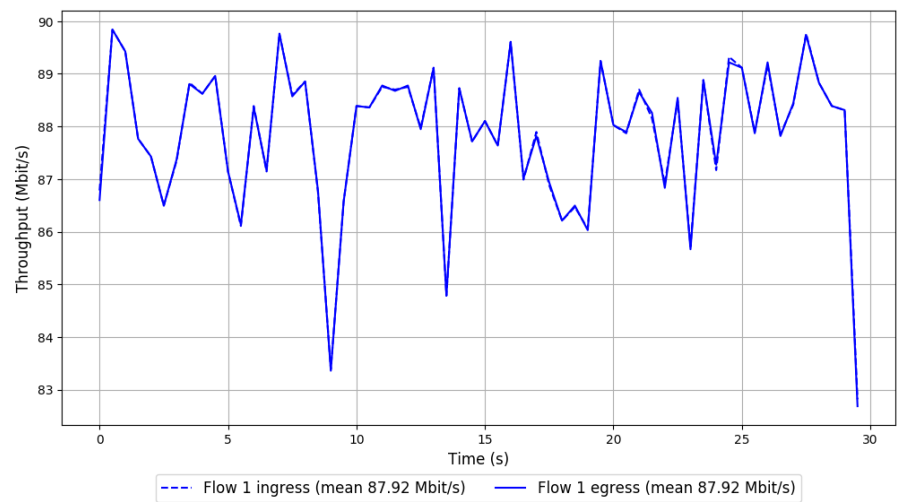
-- Flow 1:

Average throughput: 87.92 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.01%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-24 07:38:00

End at: 2018-04-24 07:38:30

Local clock offset: -7.07 ms

Remote clock offset: -6.211 ms

# Below is generated by plot.py at 2018-04-24 11:42:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.97 Mbit/s

95th percentile per-packet one-way delay: 0.953 ms

Loss rate: 0.01%

-- Flow 1:

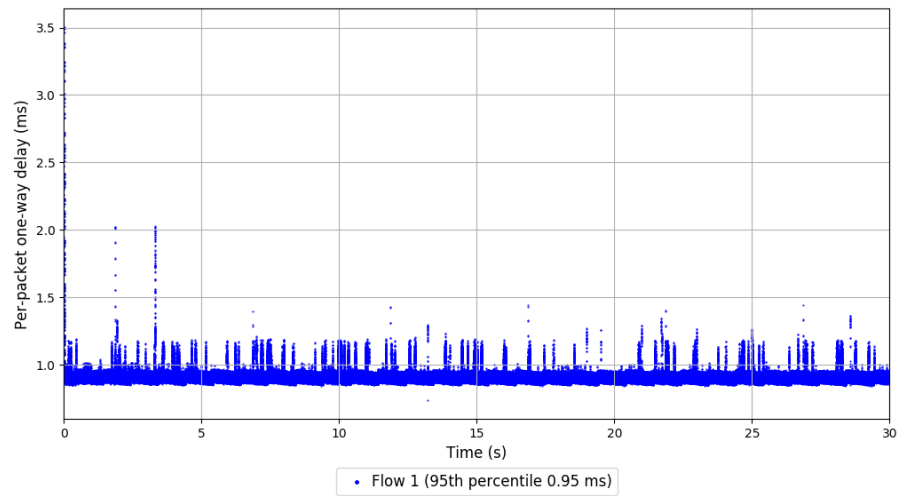
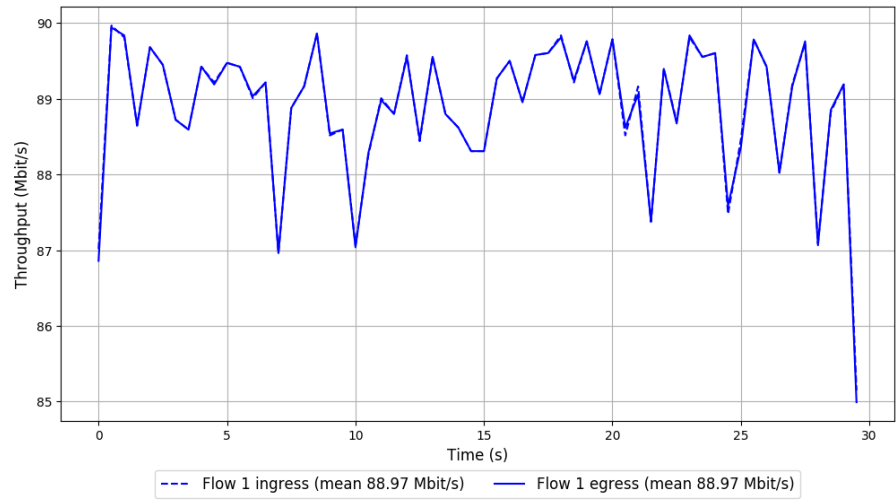
Average throughput: 88.97 Mbit/s

95th percentile per-packet one-way delay: 0.953 ms

Loss rate: 0.01%



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



Run 10: Statistics of TaoVA-100x

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

End at: 2018-04-24 07:57:34

Local clock offset: -7.981 ms

Remote clock offset: -6.49 ms

# Below is generated by plot.py at 2018-04-24 11:42:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 0.097 ms

Loss rate: 0.01%

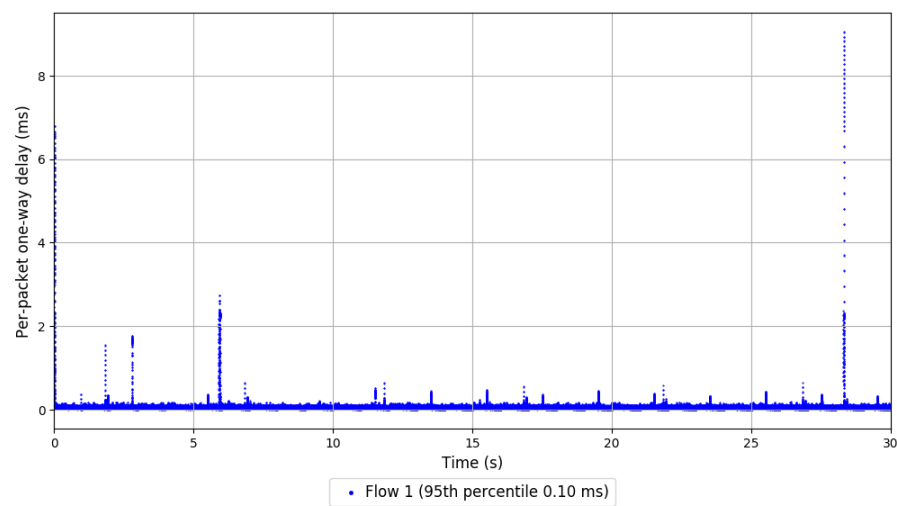
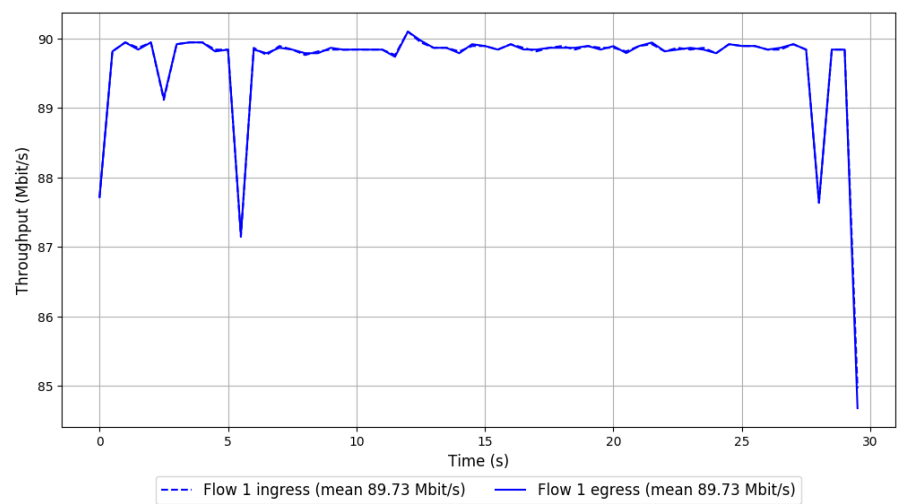
-- Flow 1:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 0.097 ms

Loss rate: 0.01%

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

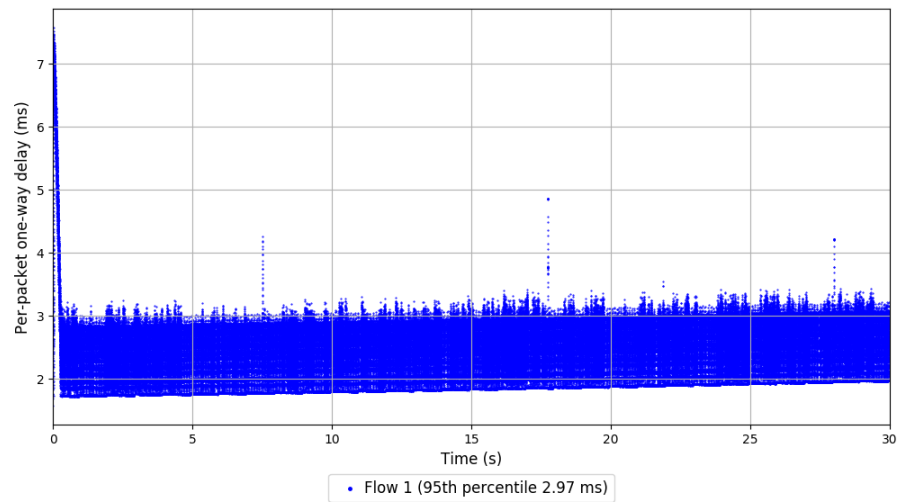
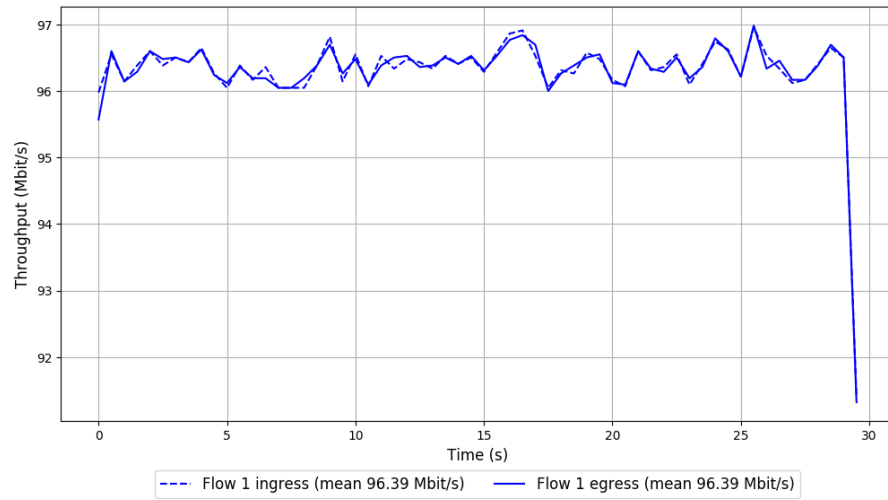


Run 1: Statistics of TCP Vegas

Start at: 2018-04-24 05:10:13  
End at: 2018-04-24 05:10:43  
Local clock offset: -7.223 ms  
Remote clock offset: -6.719 ms

# Below is generated by plot.py at 2018-04-24 11:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.39 Mbit/s  
95th percentile per-packet one-way delay: 2.974 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 96.39 Mbit/s  
95th percentile per-packet one-way delay: 2.974 ms  
Loss rate: 0.01%

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

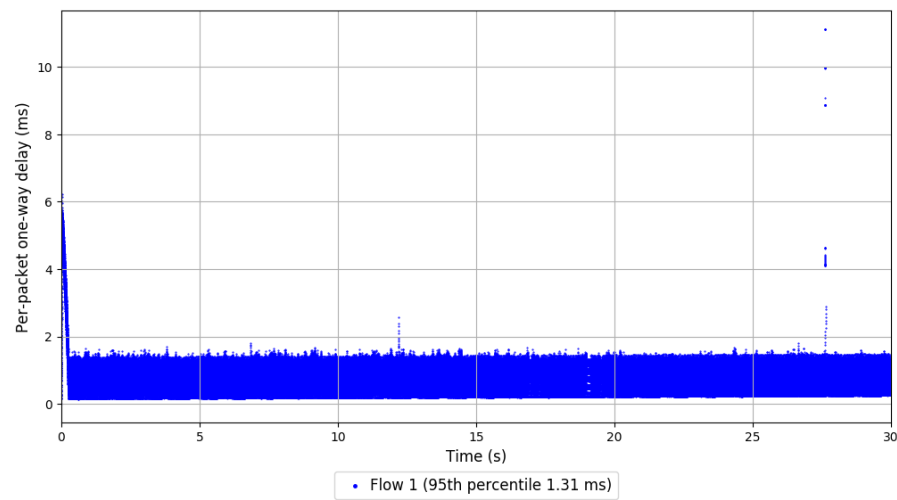
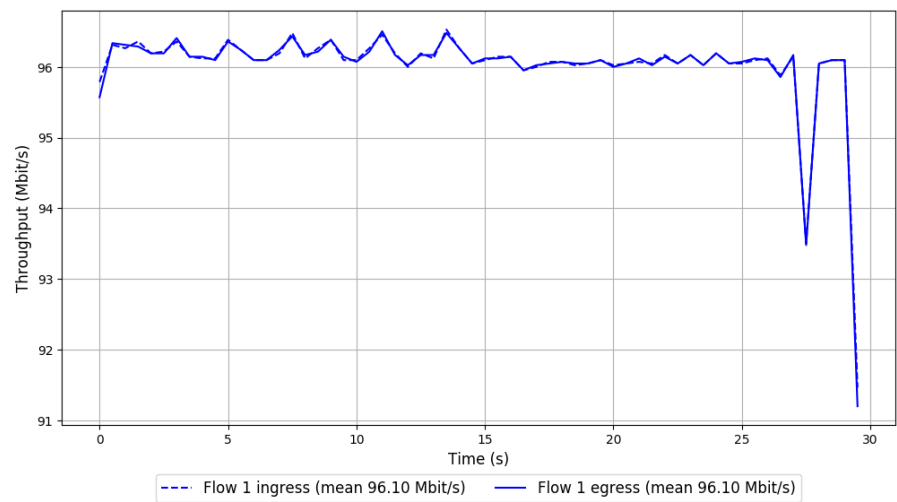


Run 2: Statistics of TCP Vegas

Start at: 2018-04-24 05:29:14  
End at: 2018-04-24 05:29:44  
Local clock offset: -10.948 ms  
Remote clock offset: -6.61 ms

# Below is generated by plot.py at 2018-04-24 11:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.10 Mbit/s  
95th percentile per-packet one-way delay: 1.309 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 96.10 Mbit/s  
95th percentile per-packet one-way delay: 1.309 ms  
Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



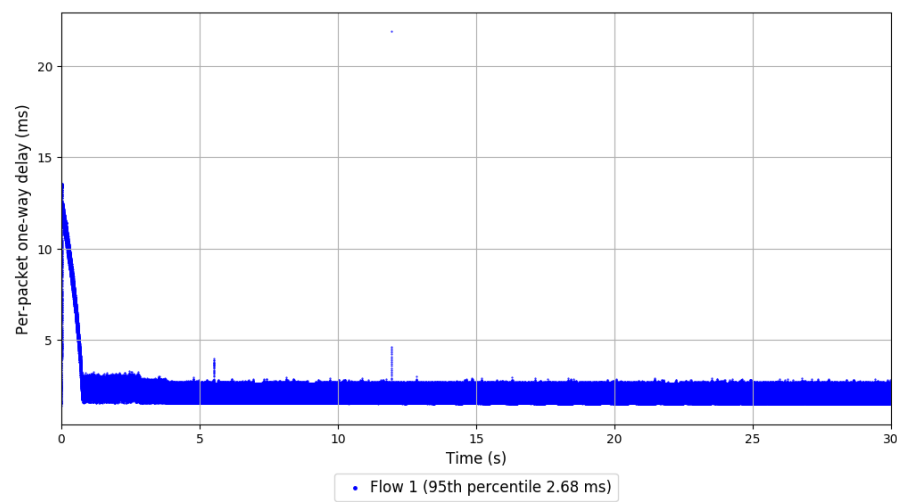
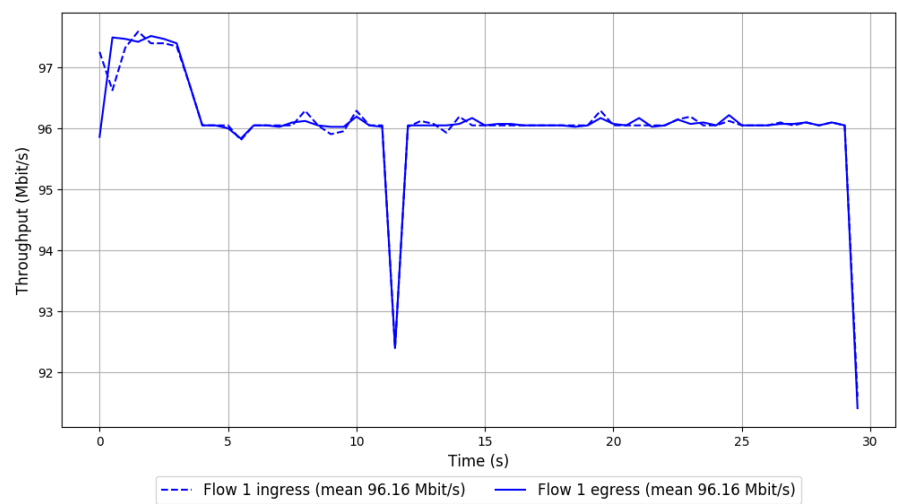
Run 3: Statistics of TCP Vegas

Start at: 2018-04-24 05:48:19  
End at: 2018-04-24 05:48:49  
Local clock offset: -9.783 ms  
Remote clock offset: -6.532 ms

# Below is generated by plot.py at 2018-04-24 11:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.16 Mbit/s  
95th percentile per-packet one-way delay: 2.683 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 96.16 Mbit/s  
95th percentile per-packet one-way delay: 2.683 ms  
Loss rate: 0.01%



Run 3: Report of TCP Vegas — Data Link

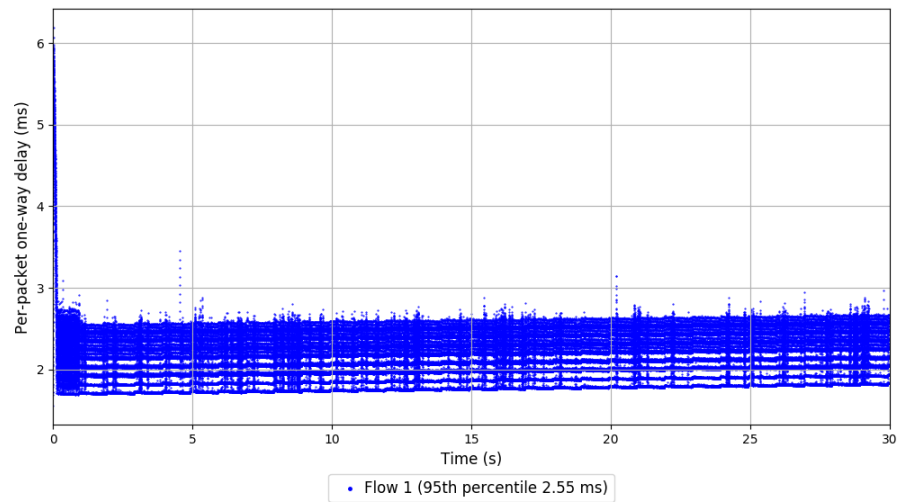
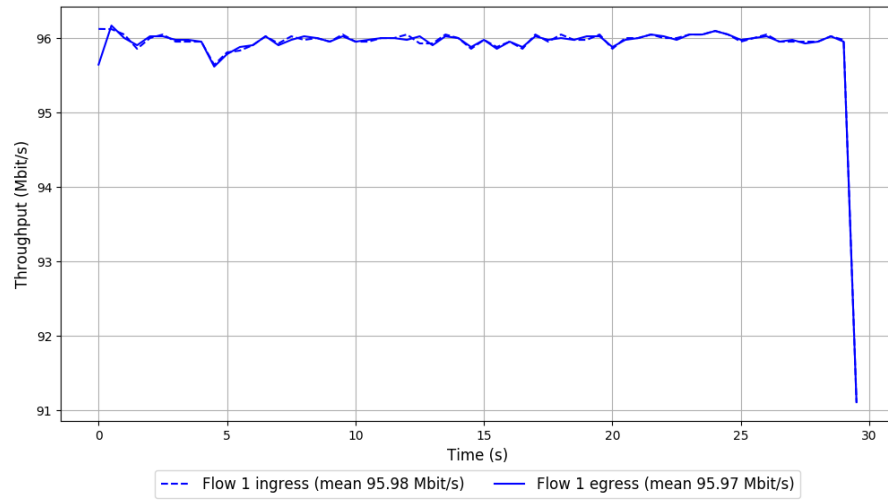


Run 4: Statistics of TCP Vegas

Start at: 2018-04-24 06:07:21  
End at: 2018-04-24 06:07:51  
Local clock offset: -12.594 ms  
Remote clock offset: -6.495 ms

# Below is generated by plot.py at 2018-04-24 11:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.97 Mbit/s  
95th percentile per-packet one-way delay: 2.547 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.97 Mbit/s  
95th percentile per-packet one-way delay: 2.547 ms  
Loss rate: 0.01%

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

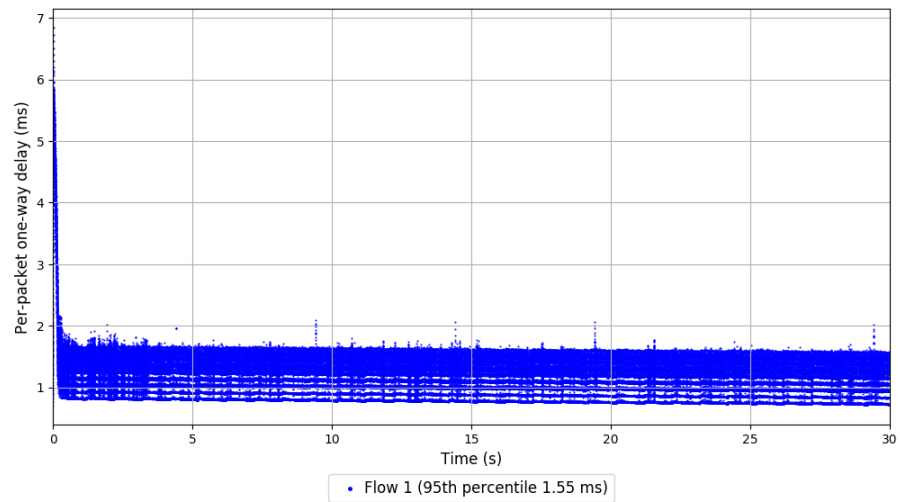
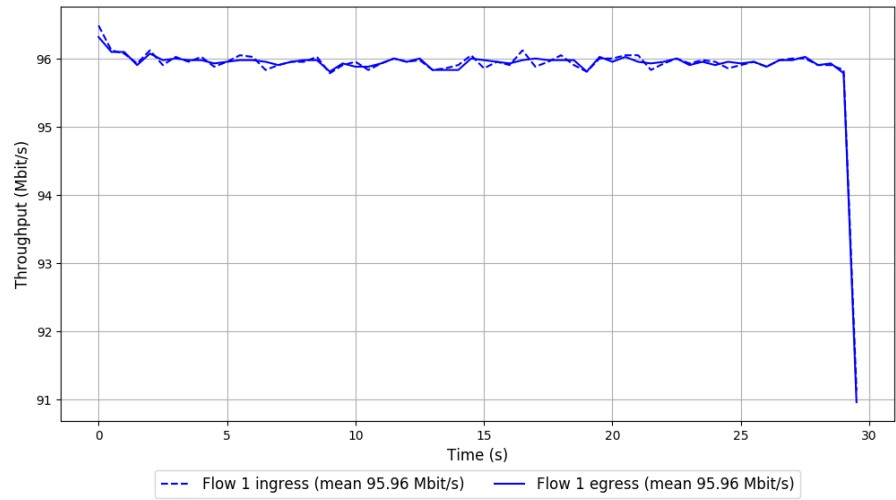


Run 5: Statistics of TCP Vegas

Start at: 2018-04-24 06:26:24  
End at: 2018-04-24 06:26:54  
Local clock offset: -10.627 ms  
Remote clock offset: -6.96 ms

# Below is generated by plot.py at 2018-04-24 11:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.96 Mbit/s  
95th percentile per-packet one-way delay: 1.555 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.96 Mbit/s  
95th percentile per-packet one-way delay: 1.555 ms  
Loss rate: 0.01%

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

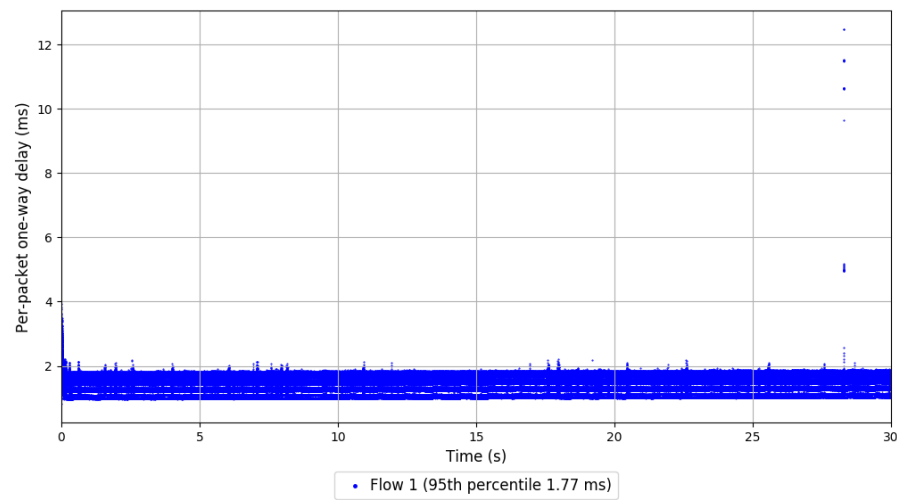
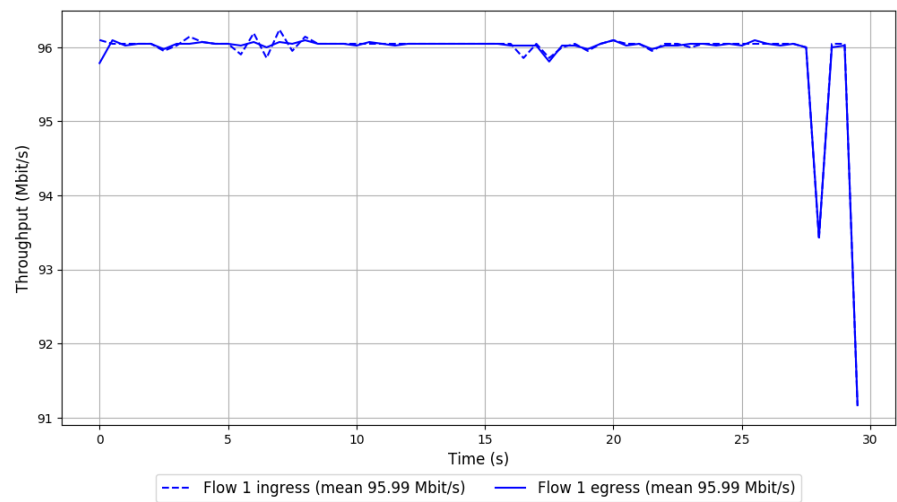


Run 6: Statistics of TCP Vegas

Start at: 2018-04-24 06:45:28  
End at: 2018-04-24 06:45:58  
Local clock offset: -10.493 ms  
Remote clock offset: -7.002 ms

# Below is generated by plot.py at 2018-04-24 11:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.99 Mbit/s  
95th percentile per-packet one-way delay: 1.768 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.99 Mbit/s  
95th percentile per-packet one-way delay: 1.768 ms  
Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link



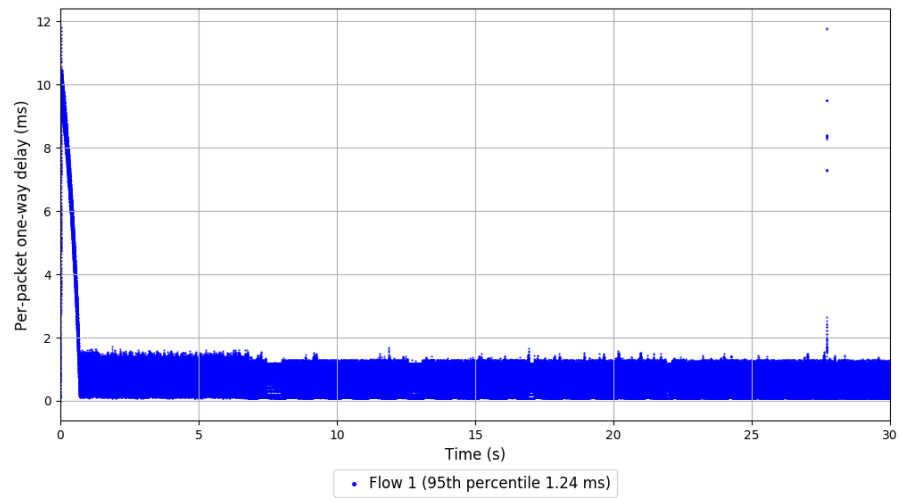
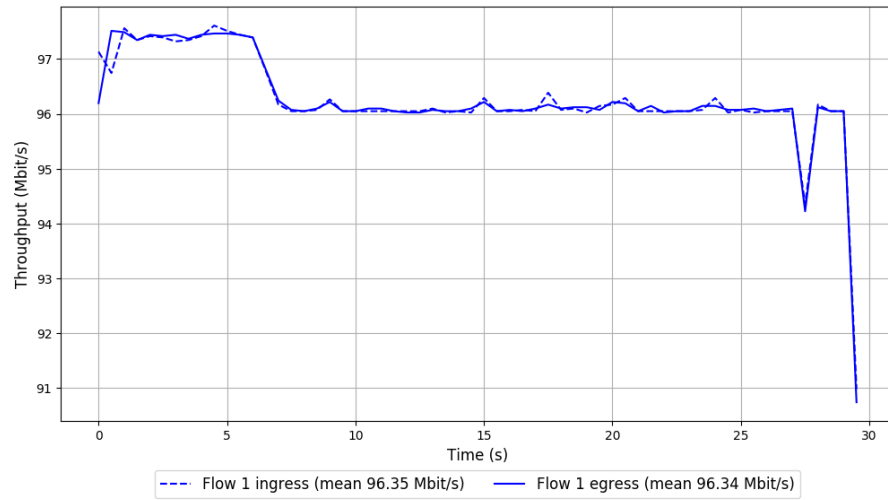
Run 7: Statistics of TCP Vegas

Start at: 2018-04-24 07:04:30  
End at: 2018-04-24 07:05:00  
Local clock offset: -8.99 ms  
Remote clock offset: -6.928 ms

# Below is generated by plot.py at 2018-04-24 11:43:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.34 Mbit/s  
95th percentile per-packet one-way delay: 1.243 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 96.34 Mbit/s  
95th percentile per-packet one-way delay: 1.243 ms  
Loss rate: 0.01%



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

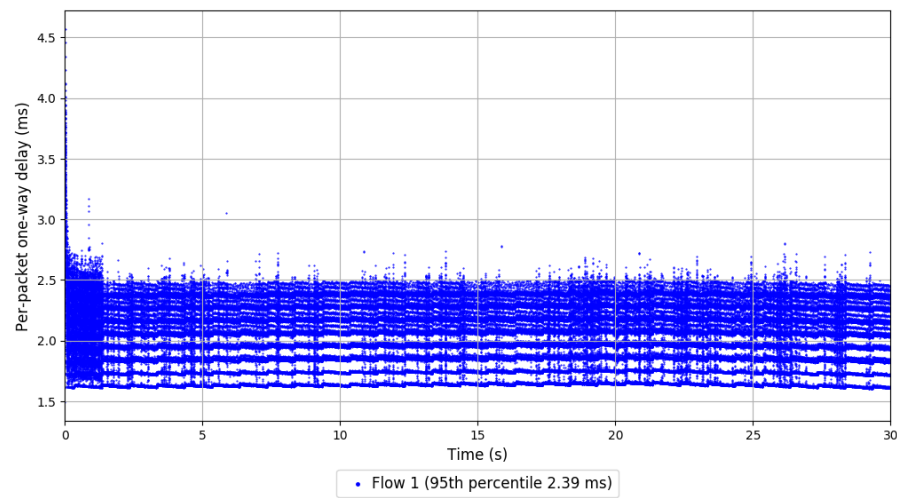
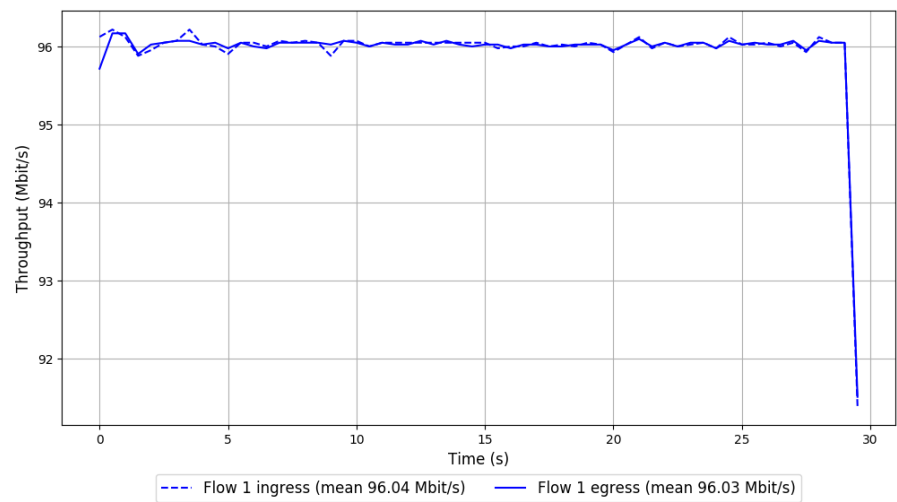


Run 8: Statistics of TCP Vegas

Start at: 2018-04-24 07:23:33  
End at: 2018-04-24 07:24:03  
Local clock offset: -7.918 ms  
Remote clock offset: -6.461 ms

# Below is generated by plot.py at 2018-04-24 11:43:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.03 Mbit/s  
95th percentile per-packet one-way delay: 2.392 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 96.03 Mbit/s  
95th percentile per-packet one-way delay: 2.392 ms  
Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link

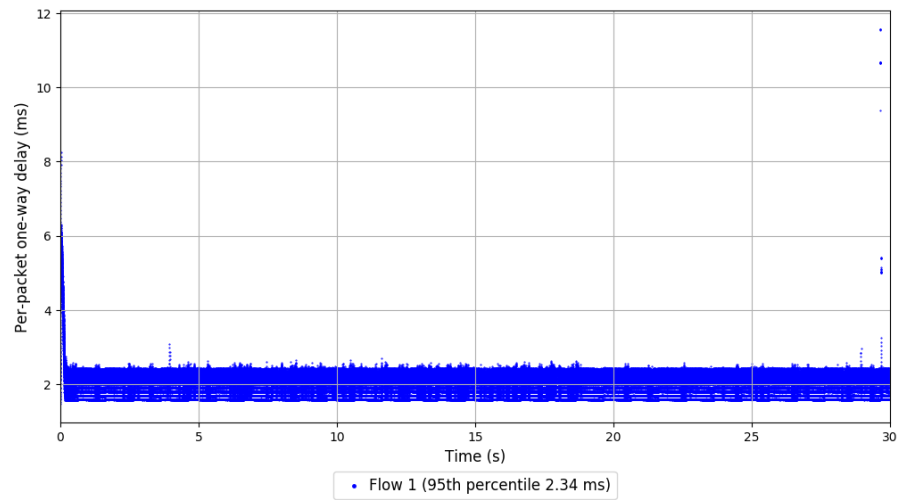
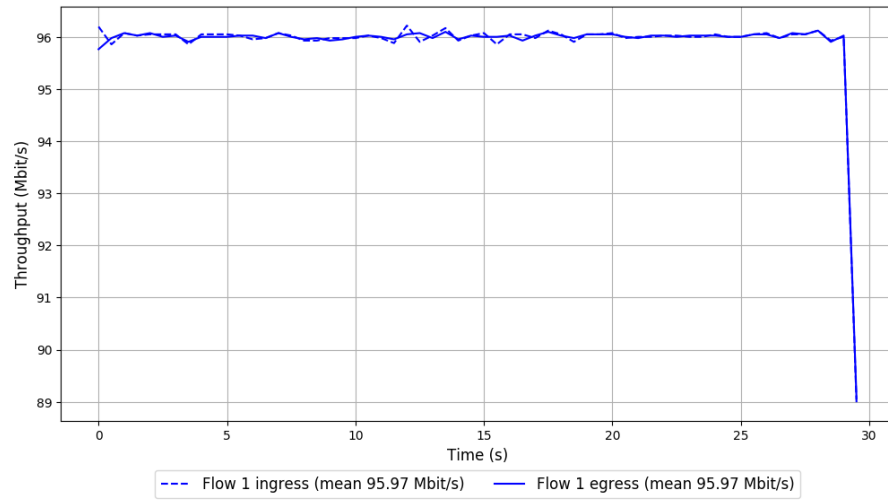


Run 9: Statistics of TCP Vegas

Start at: 2018-04-24 07:42:37  
End at: 2018-04-24 07:43:07  
Local clock offset: -6.274 ms  
Remote clock offset: -6.137 ms

# Below is generated by plot.py at 2018-04-24 11:43:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.97 Mbit/s  
95th percentile per-packet one-way delay: 2.338 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.97 Mbit/s  
95th percentile per-packet one-way delay: 2.338 ms  
Loss rate: 0.01%

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

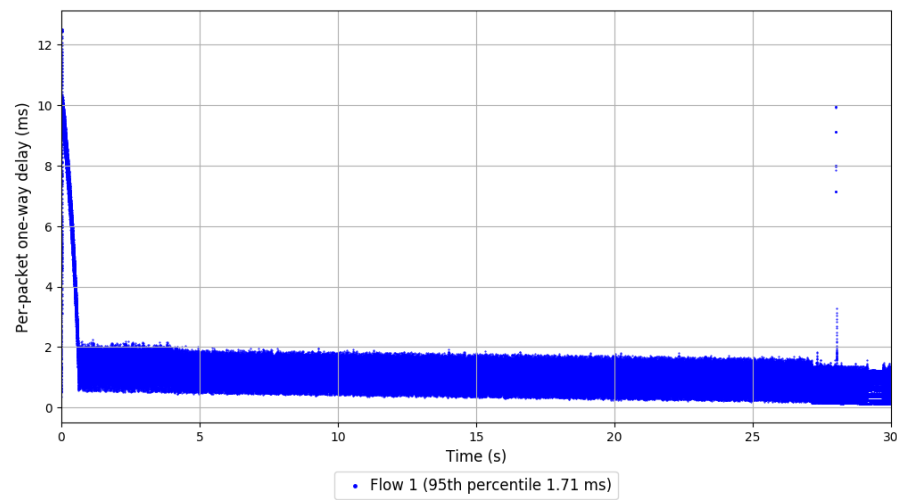
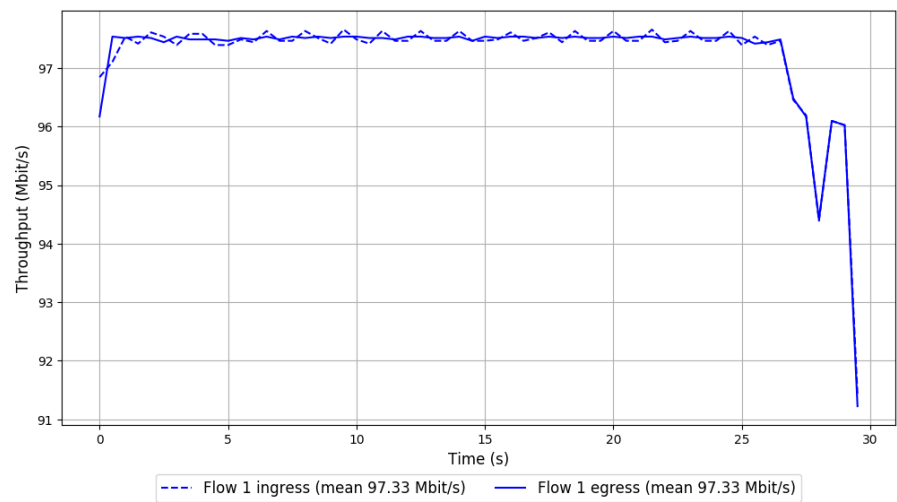


Run 10: Statistics of TCP Vegas

Start at: 2018-04-24 08:01:40  
End at: 2018-04-24 08:02:10  
Local clock offset: -4.025 ms  
Remote clock offset: -6.595 ms

# Below is generated by plot.py at 2018-04-24 11:43:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.33 Mbit/s  
95th percentile per-packet one-way delay: 1.708 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.33 Mbit/s  
95th percentile per-packet one-way delay: 1.708 ms  
Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link



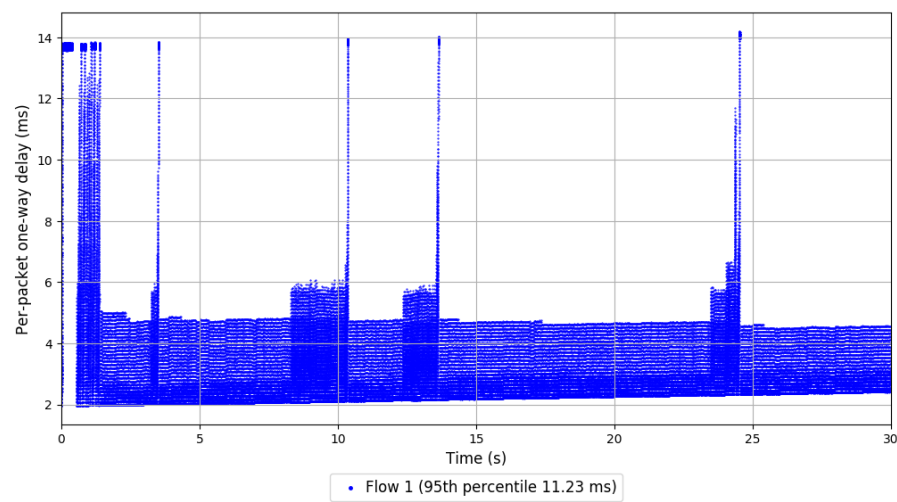
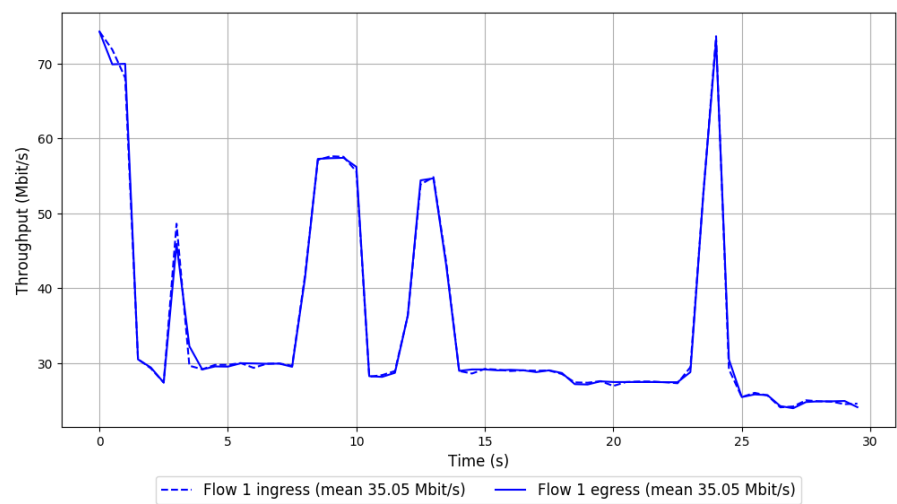
Run 1: Statistics of Verus

Start at: 2018-04-24 05:13:28  
End at: 2018-04-24 05:13:58  
Local clock offset: -9.488 ms  
Remote clock offset: -6.699 ms

# Below is generated by plot.py at 2018-04-24 11:43:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.05 Mbit/s  
95th percentile per-packet one-way delay: 11.234 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 35.05 Mbit/s  
95th percentile per-packet one-way delay: 11.234 ms  
Loss rate: 0.02%



Run 1: Report of Verus — Data Link

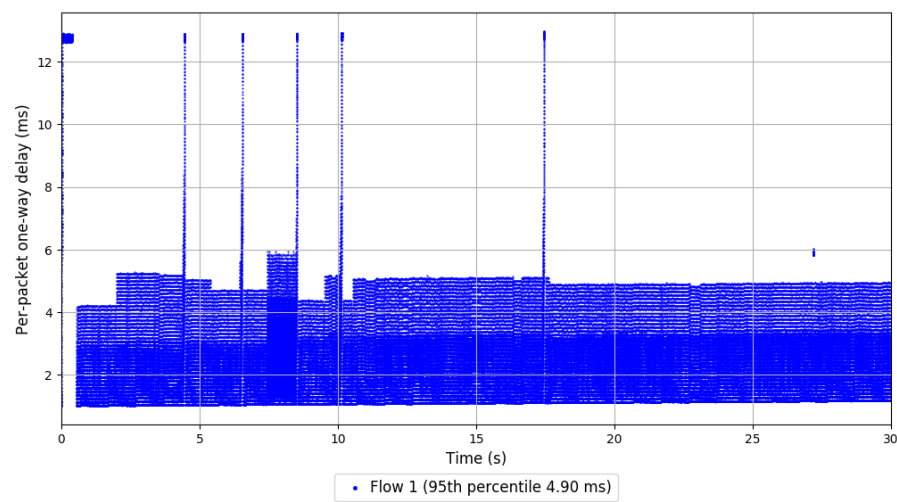
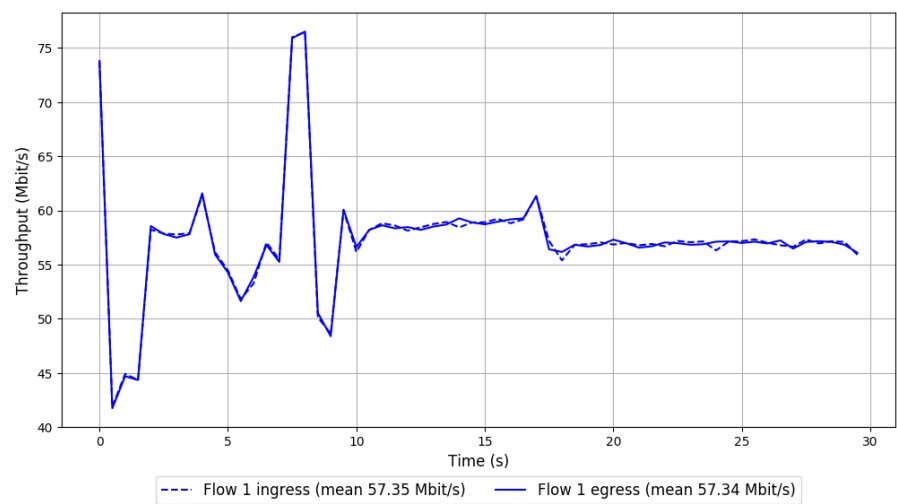


Run 2: Statistics of Verus

Start at: 2018-04-24 05:32:29  
End at: 2018-04-24 05:32:59  
Local clock offset: -10.935 ms  
Remote clock offset: -6.597 ms

# Below is generated by plot.py at 2018-04-24 11:43:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.34 Mbit/s  
95th percentile per-packet one-way delay: 4.901 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 57.34 Mbit/s  
95th percentile per-packet one-way delay: 4.901 ms  
Loss rate: 0.01%

Run 2: Report of Verus — Data Link

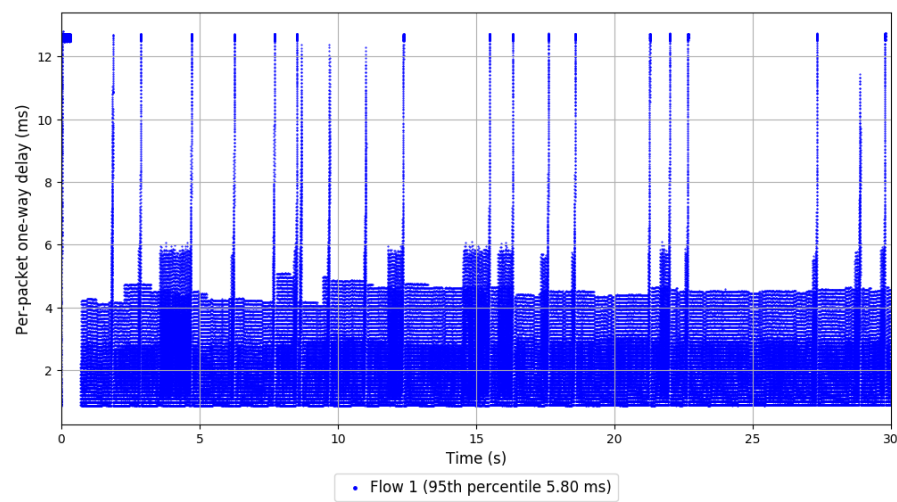
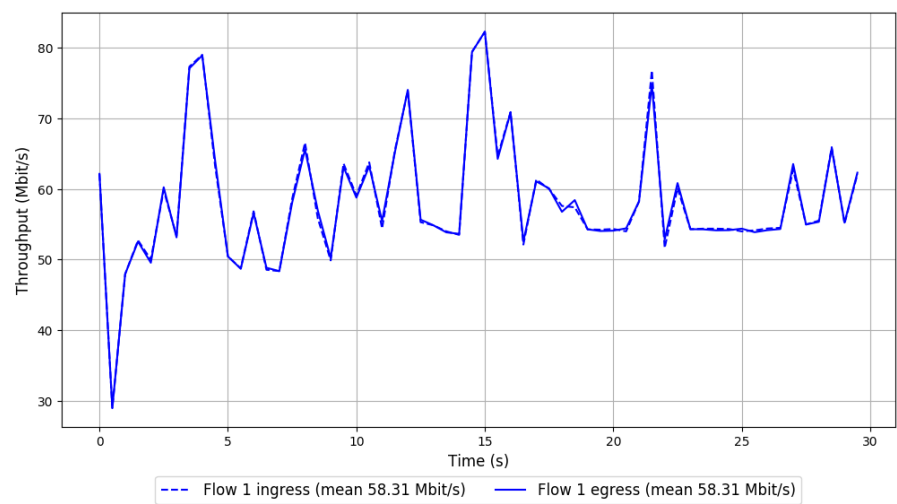


Run 3: Statistics of Verus

Start at: 2018-04-24 05:51:34  
End at: 2018-04-24 05:52:04  
Local clock offset: -10.36 ms  
Remote clock offset: -6.525 ms

# Below is generated by plot.py at 2018-04-24 11:43:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.31 Mbit/s  
95th percentile per-packet one-way delay: 5.800 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.31 Mbit/s  
95th percentile per-packet one-way delay: 5.800 ms  
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

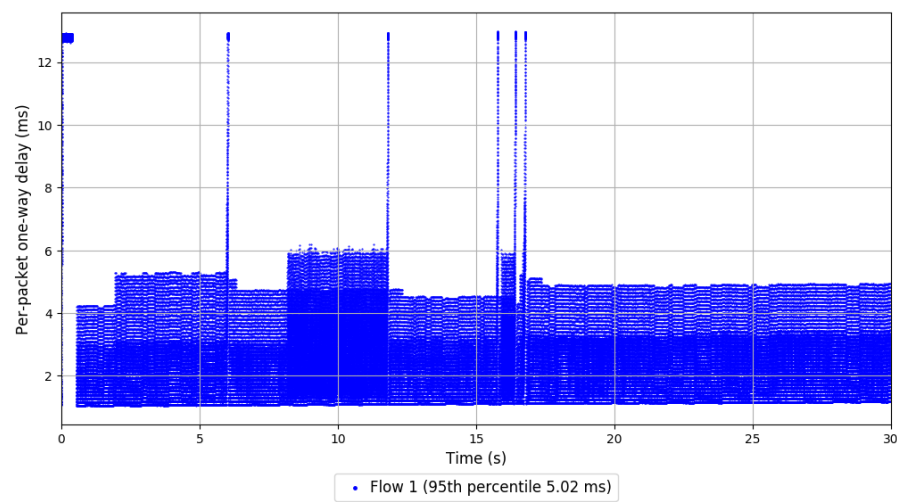
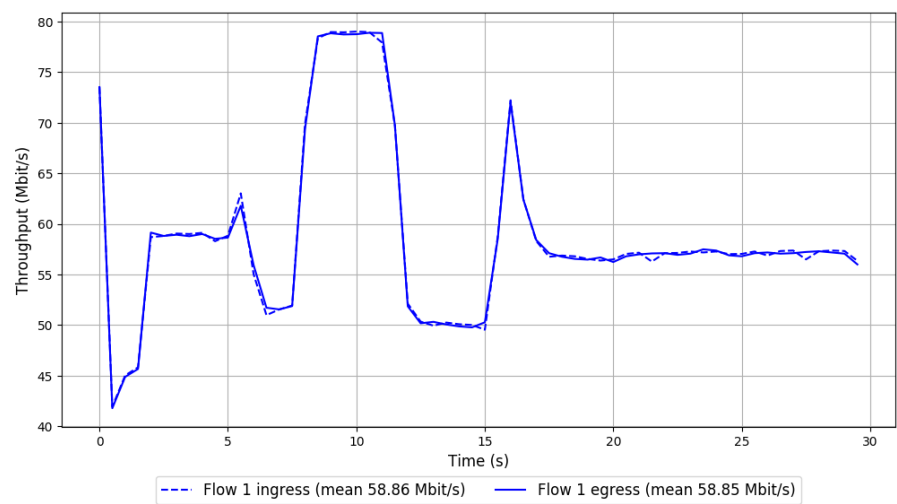


Run 4: Statistics of Verus

Start at: 2018-04-24 06:10:36  
End at: 2018-04-24 06:11:06  
Local clock offset: -14.22 ms  
Remote clock offset: -6.652 ms

# Below is generated by plot.py at 2018-04-24 11:43:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.85 Mbit/s  
95th percentile per-packet one-way delay: 5.020 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 58.85 Mbit/s  
95th percentile per-packet one-way delay: 5.020 ms  
Loss rate: 0.02%

Run 4: Report of Verus — Data Link



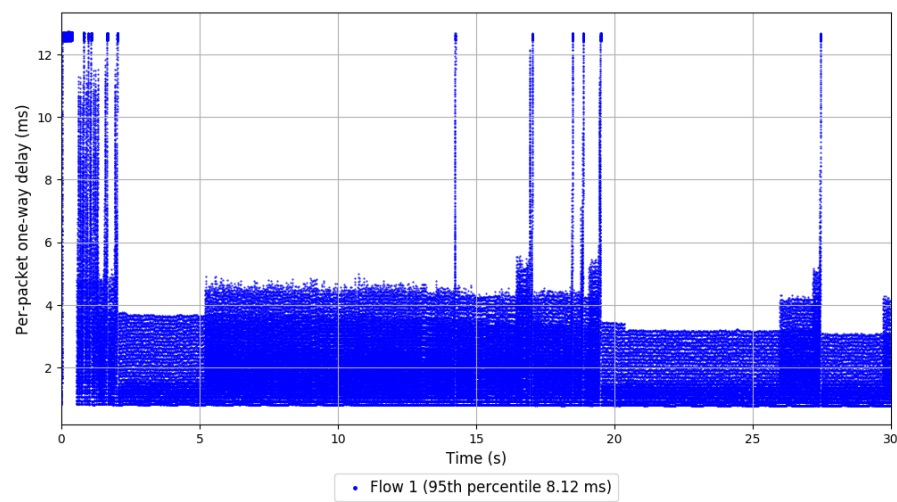
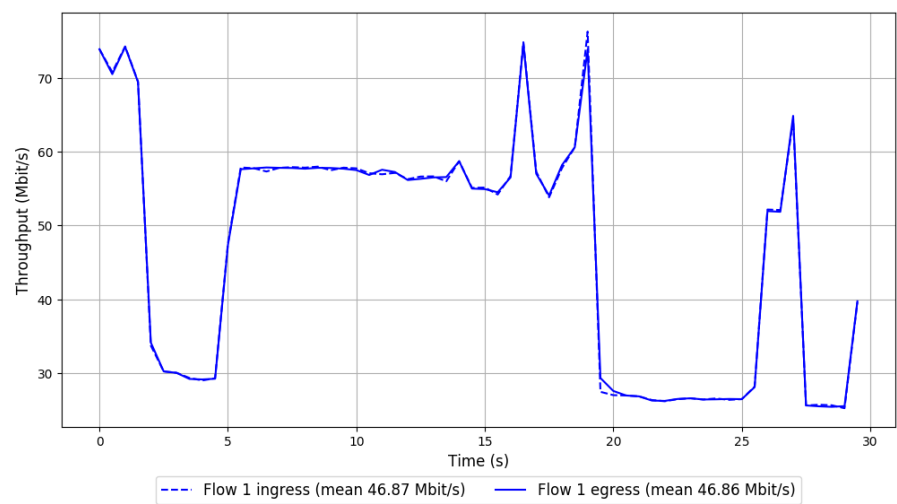
Run 5: Statistics of Verus

Start at: 2018-04-24 06:29:39  
End at: 2018-04-24 06:30:09  
Local clock offset: -10.116 ms  
Remote clock offset: -6.905 ms

# Below is generated by plot.py at 2018-04-24 11:43:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.86 Mbit/s  
95th percentile per-packet one-way delay: 8.116 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.86 Mbit/s  
95th percentile per-packet one-way delay: 8.116 ms  
Loss rate: 0.00%



Run 5: Report of Verus — Data Link

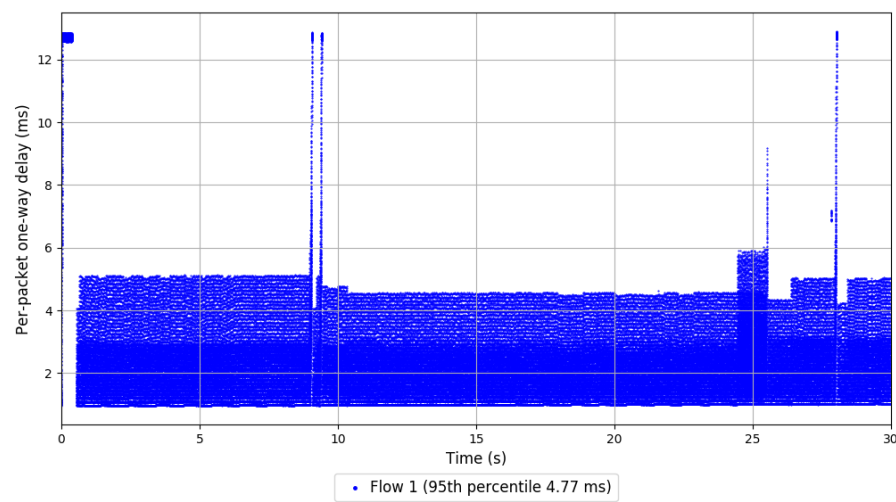
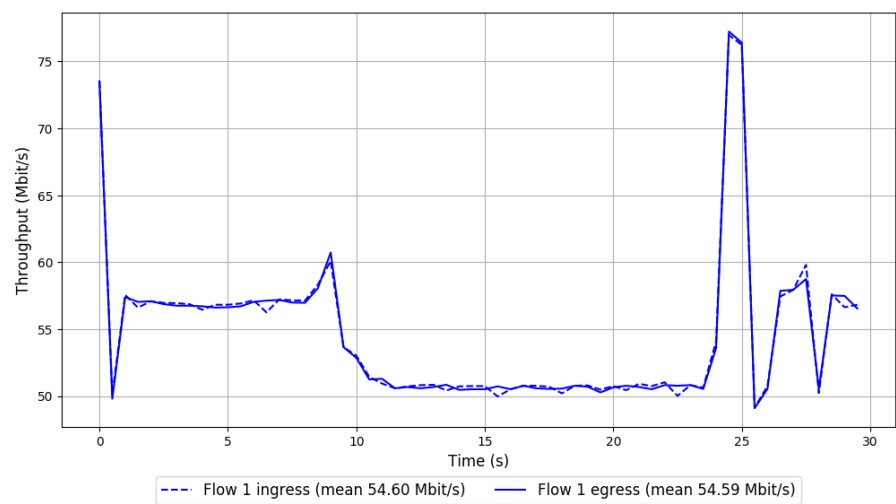


Run 6: Statistics of Verus

Start at: 2018-04-24 06:48:43  
End at: 2018-04-24 06:49:13  
Local clock offset: -10.79 ms  
Remote clock offset: -6.953 ms

# Below is generated by plot.py at 2018-04-24 11:44:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.59 Mbit/s  
95th percentile per-packet one-way delay: 4.771 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 54.59 Mbit/s  
95th percentile per-packet one-way delay: 4.771 ms  
Loss rate: 0.01%

Run 6: Report of Verus — Data Link

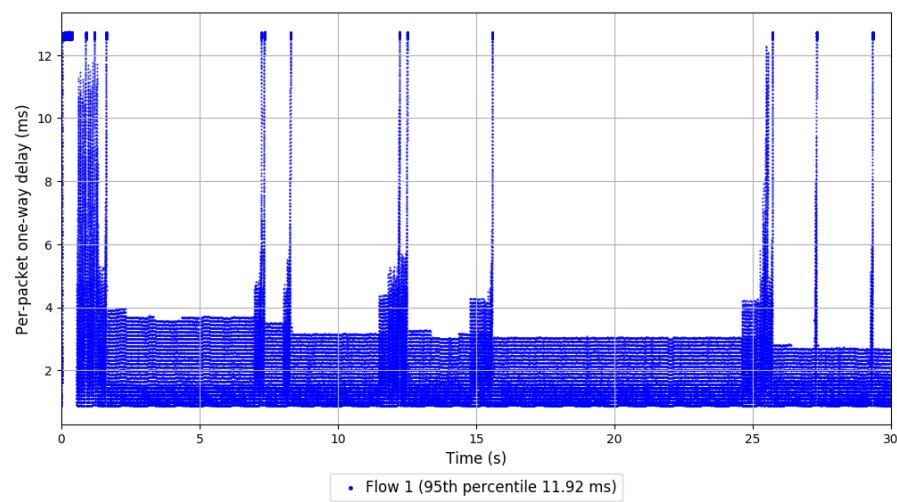
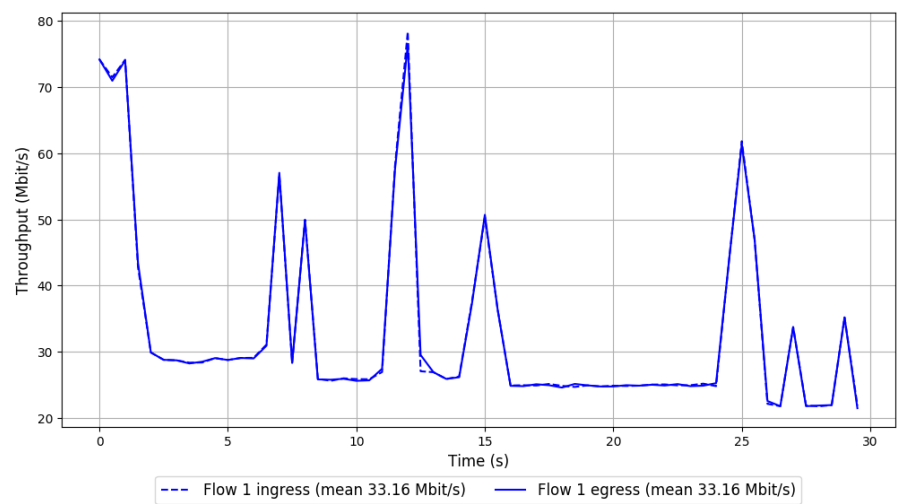


Run 7: Statistics of Verus

Start at: 2018-04-24 07:07:45  
End at: 2018-04-24 07:08:15  
Local clock offset: -8.145 ms  
Remote clock offset: -6.946 ms

# Below is generated by plot.py at 2018-04-24 11:44:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.16 Mbit/s  
95th percentile per-packet one-way delay: 11.924 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 33.16 Mbit/s  
95th percentile per-packet one-way delay: 11.924 ms  
Loss rate: 0.02%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-24 07:26:48

End at: 2018-04-24 07:27:18

Local clock offset: -8.185 ms

Remote clock offset: -6.47 ms

# Below is generated by plot.py at 2018-04-24 11:44:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.01 Mbit/s

95th percentile per-packet one-way delay: 11.766 ms

Loss rate: 0.00%

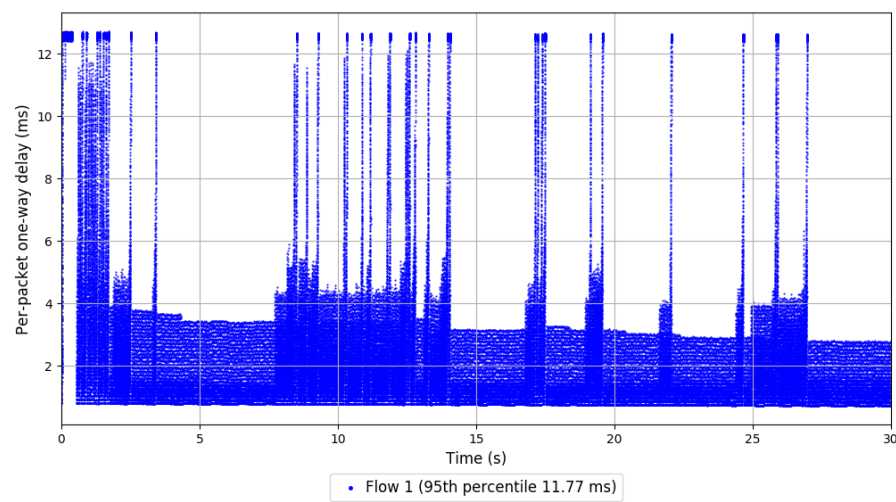
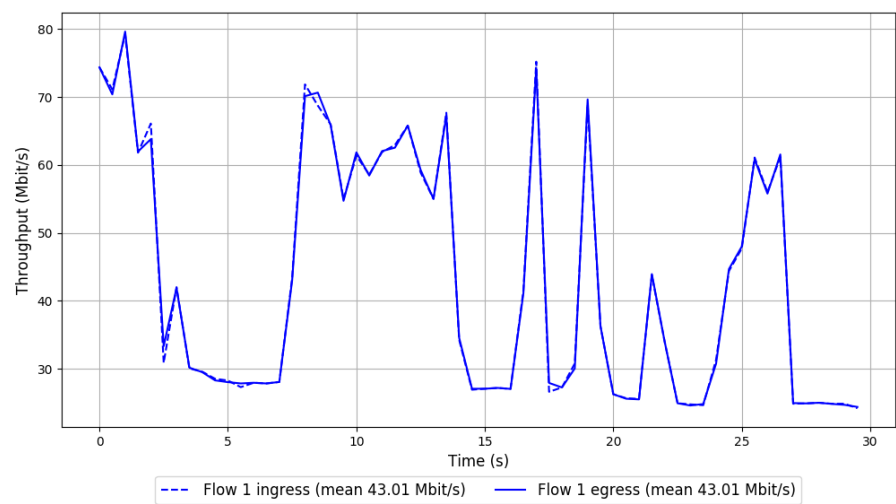
-- Flow 1:

Average throughput: 43.01 Mbit/s

95th percentile per-packet one-way delay: 11.766 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



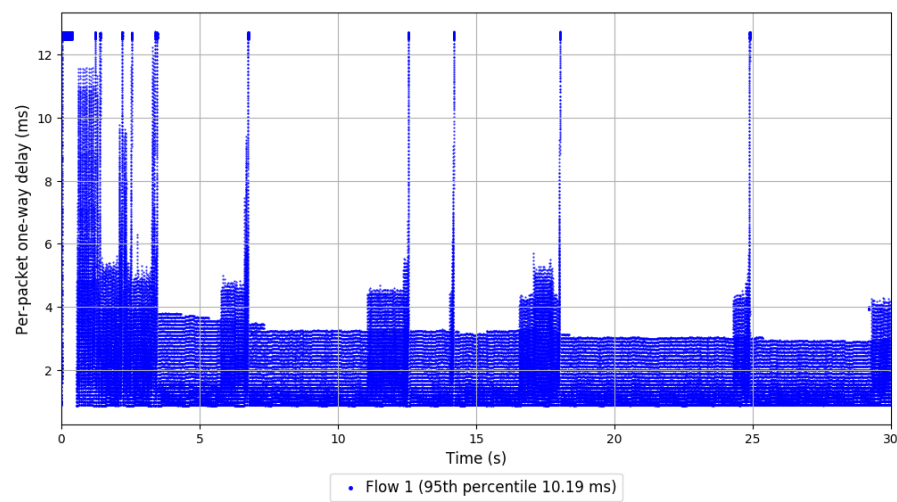
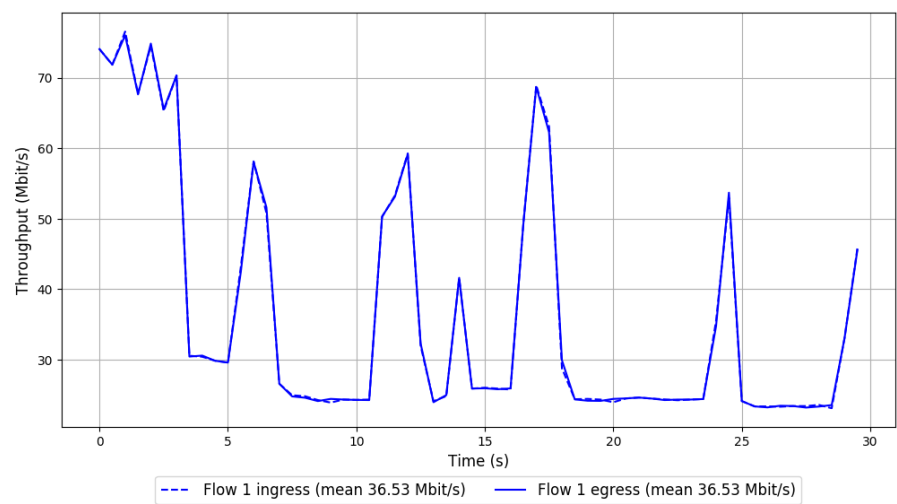
Run 9: Statistics of Verus

Start at: 2018-04-24 07:45:52  
End at: 2018-04-24 07:46:22  
Local clock offset: -6.986 ms  
Remote clock offset: -6.109 ms

# Below is generated by plot.py at 2018-04-24 11:44:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.53 Mbit/s  
95th percentile per-packet one-way delay: 10.185 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 36.53 Mbit/s  
95th percentile per-packet one-way delay: 10.185 ms  
Loss rate: 0.01%



Run 9: Report of Verus — Data Link

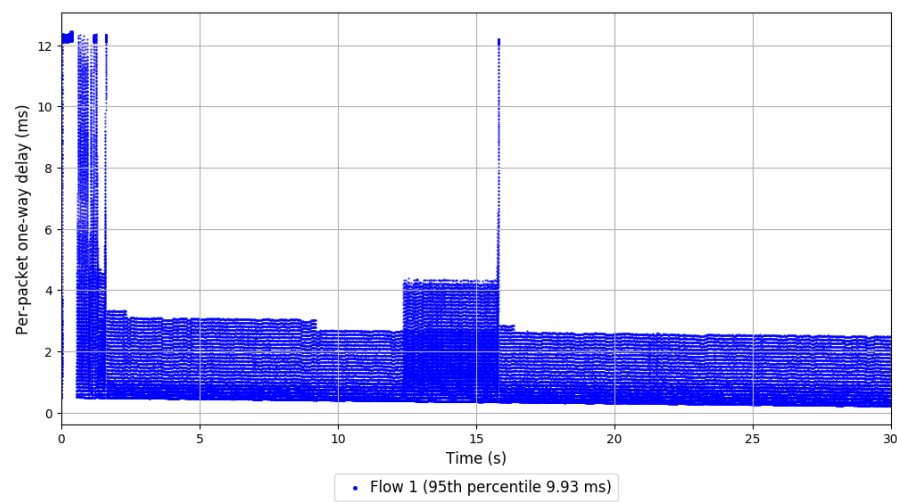
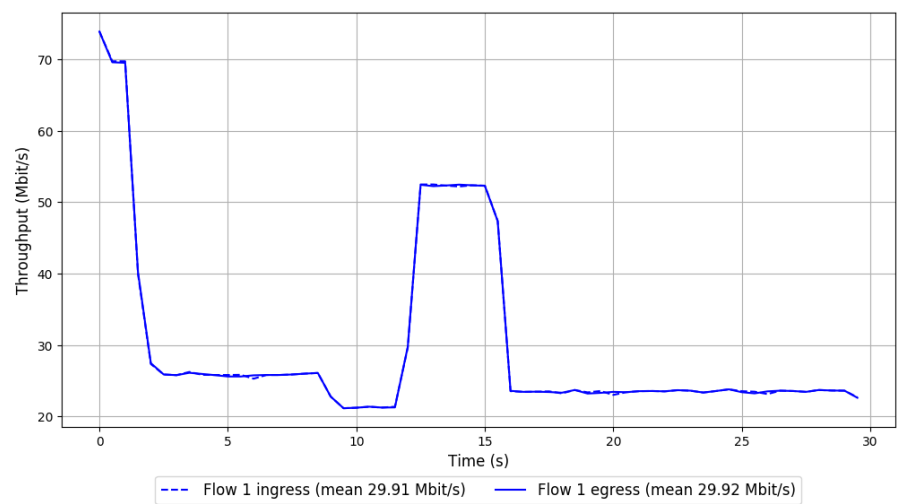


Run 10: Statistics of Verus

Start at: 2018-04-24 08:04:55  
End at: 2018-04-24 08:05:25  
Local clock offset: -1.814 ms  
Remote clock offset: -6.639 ms

# Below is generated by plot.py at 2018-04-24 11:44:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.92 Mbit/s  
95th percentile per-packet one-way delay: 9.930 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 29.92 Mbit/s  
95th percentile per-packet one-way delay: 9.930 ms  
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

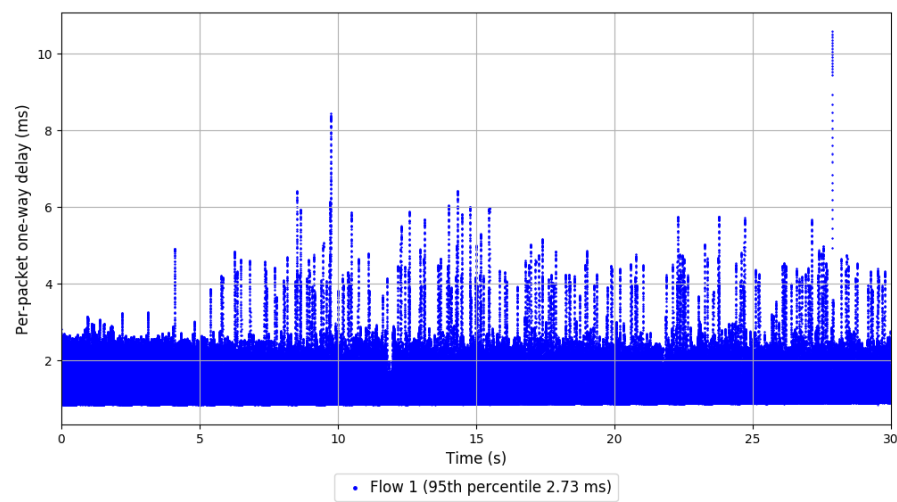
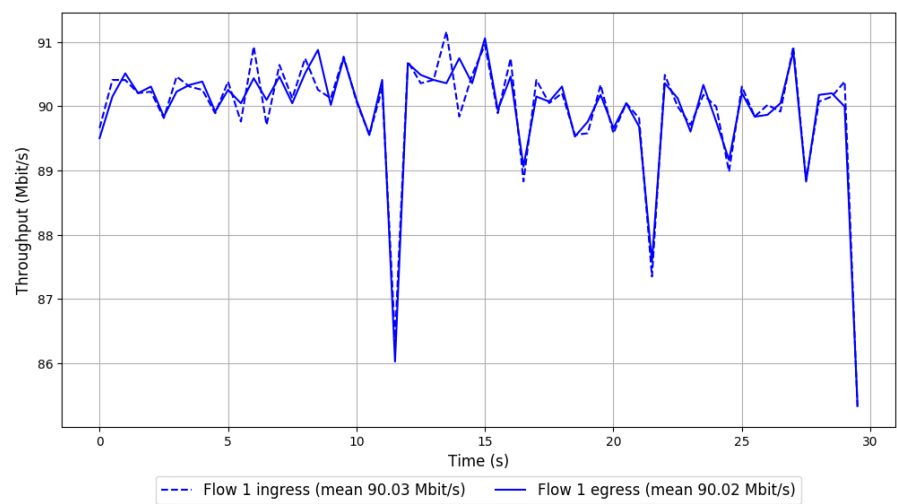


Run 1: Statistics of Copa

Start at: 2018-04-24 05:16:49  
End at: 2018-04-24 05:17:19  
Local clock offset: -9.457 ms  
Remote clock offset: -6.723 ms

# Below is generated by plot.py at 2018-04-24 11:46:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.02 Mbit/s  
95th percentile per-packet one-way delay: 2.733 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 90.02 Mbit/s  
95th percentile per-packet one-way delay: 2.733 ms  
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

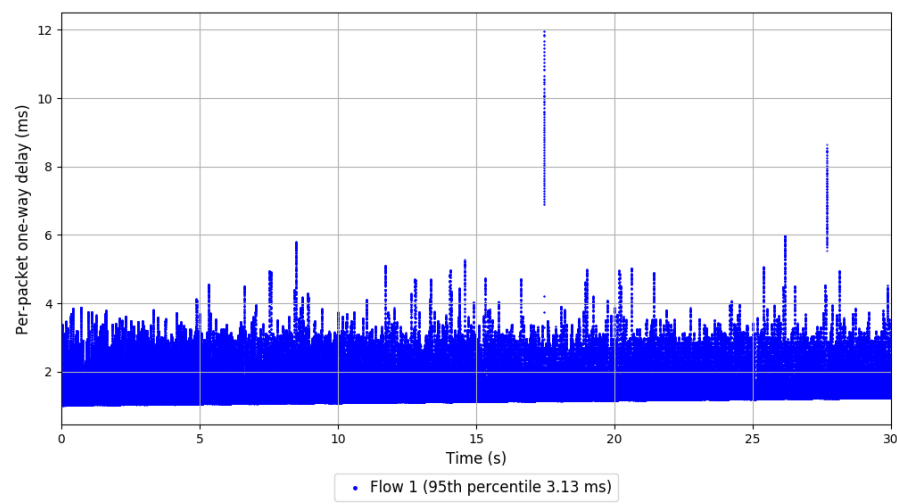
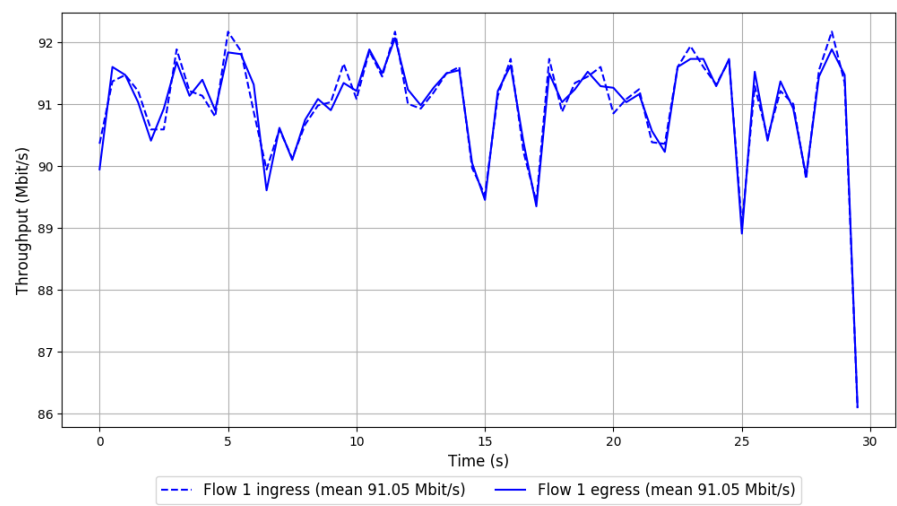


Run 2: Statistics of Copa

Start at: 2018-04-24 05:35:54  
End at: 2018-04-24 05:36:24  
Local clock offset: -12.269 ms  
Remote clock offset: -6.657 ms

# Below is generated by plot.py at 2018-04-24 11:46:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.05 Mbit/s  
95th percentile per-packet one-way delay: 3.131 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 91.05 Mbit/s  
95th percentile per-packet one-way delay: 3.131 ms  
Loss rate: 0.01%

Run 2: Report of Copa — Data Link



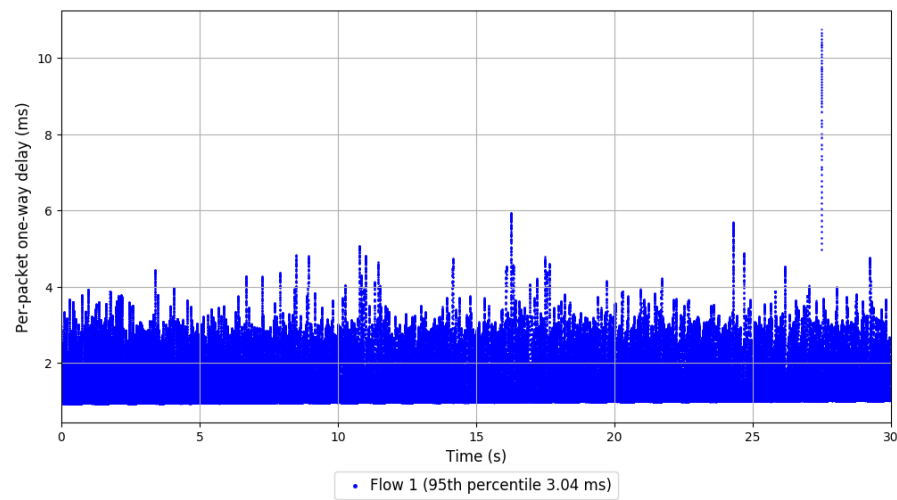
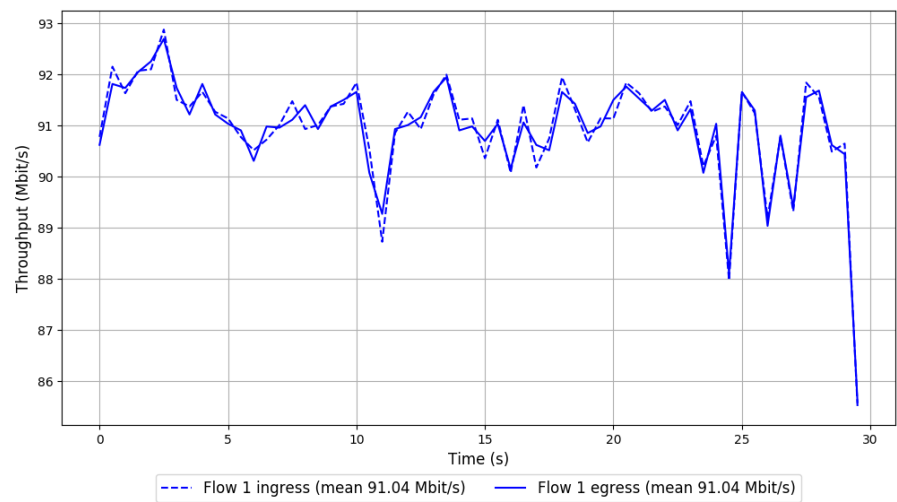
Run 3: Statistics of Copa

Start at: 2018-04-24 05:54:56  
End at: 2018-04-24 05:55:26  
Local clock offset: -10.584 ms  
Remote clock offset: -6.489 ms

# Below is generated by plot.py at 2018-04-24 11:46:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.04 Mbit/s  
95th percentile per-packet one-way delay: 3.038 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 91.04 Mbit/s  
95th percentile per-packet one-way delay: 3.038 ms  
Loss rate: 0.01%



Run 3: Report of Copa — Data Link

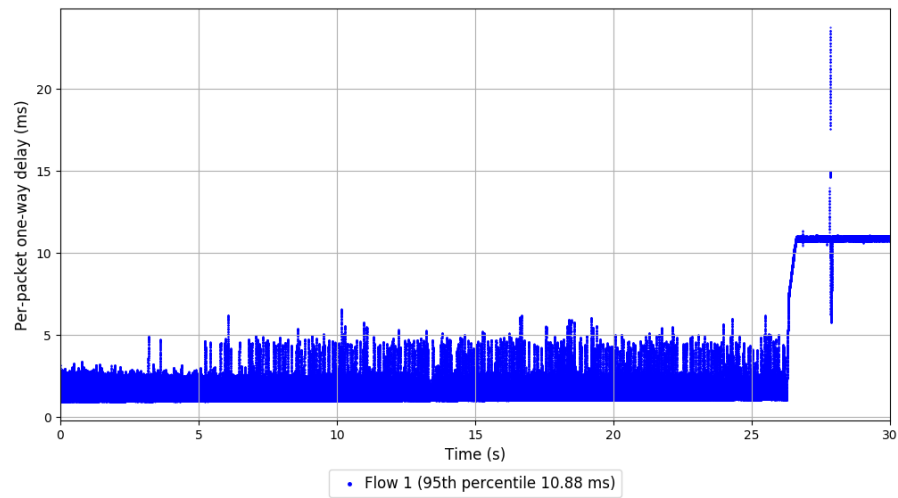
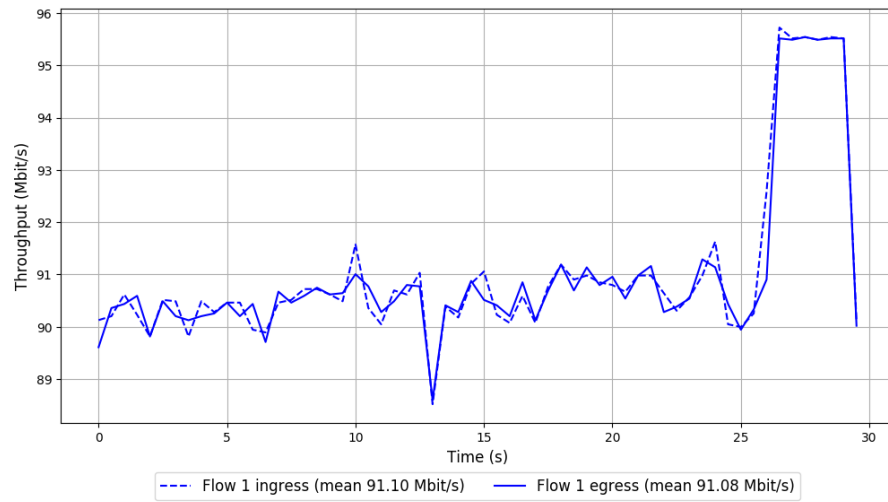


Run 4: Statistics of Copa

Start at: 2018-04-24 06:13:59  
End at: 2018-04-24 06:14:29  
Local clock offset: -15.363 ms  
Remote clock offset: -6.752 ms

# Below is generated by plot.py at 2018-04-24 11:46:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.08 Mbit/s  
95th percentile per-packet one-way delay: 10.882 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 91.08 Mbit/s  
95th percentile per-packet one-way delay: 10.882 ms  
Loss rate: 0.04%

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

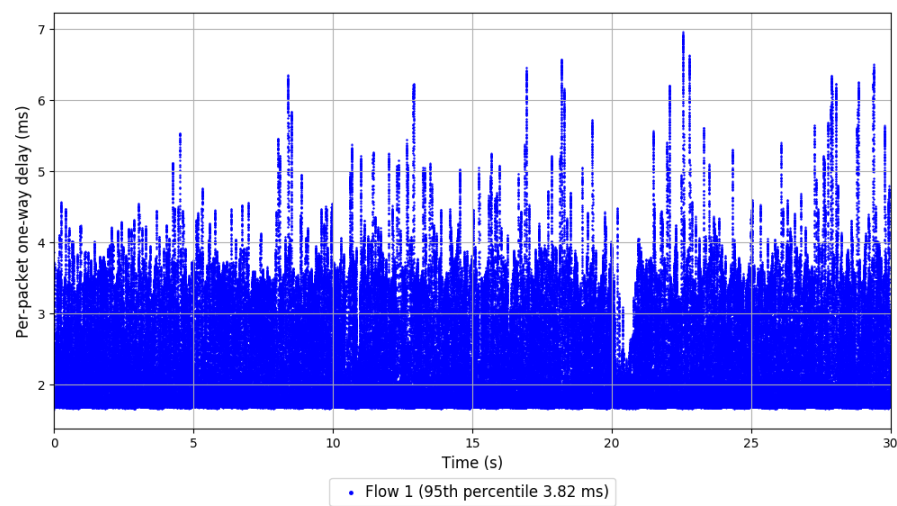
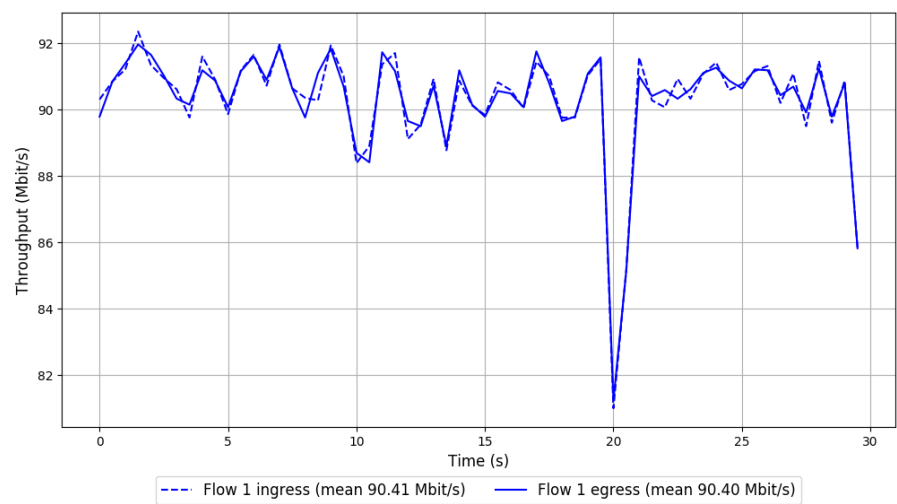


Run 5: Statistics of Copa

Start at: 2018-04-24 06:33:03  
End at: 2018-04-24 06:33:33  
Local clock offset: -9.171 ms  
Remote clock offset: -7.005 ms

# Below is generated by plot.py at 2018-04-24 11:46:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.40 Mbit/s  
95th percentile per-packet one-way delay: 3.824 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 90.40 Mbit/s  
95th percentile per-packet one-way delay: 3.824 ms  
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

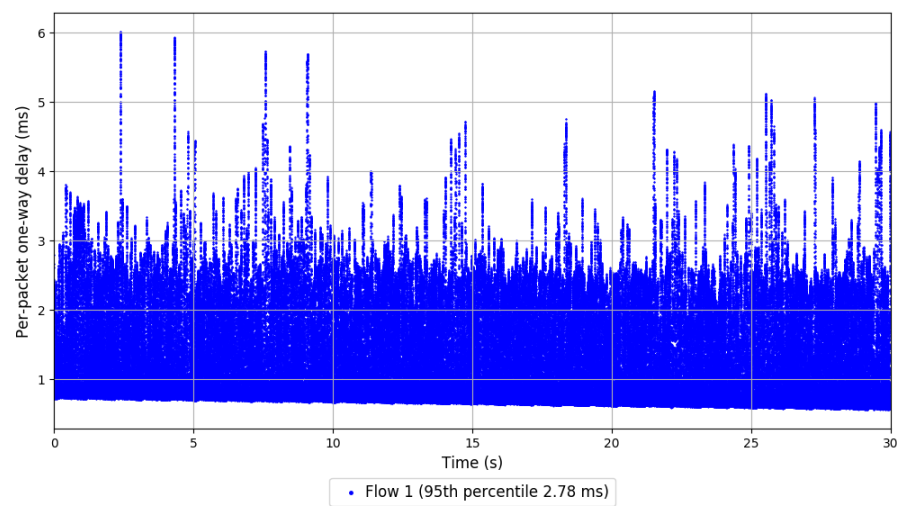
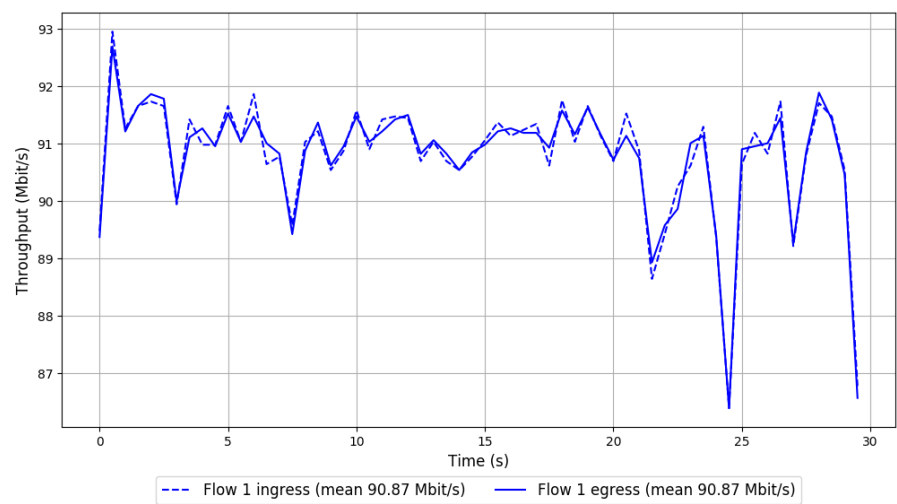


Run 6: Statistics of Copa

Start at: 2018-04-24 06:52:05  
End at: 2018-04-24 06:52:35  
Local clock offset: -10.178 ms  
Remote clock offset: -6.955 ms

# Below is generated by plot.py at 2018-04-24 11:46:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.87 Mbit/s  
95th percentile per-packet one-way delay: 2.777 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 90.87 Mbit/s  
95th percentile per-packet one-way delay: 2.777 ms  
Loss rate: 0.01%

Run 6: Report of Copa — Data Link



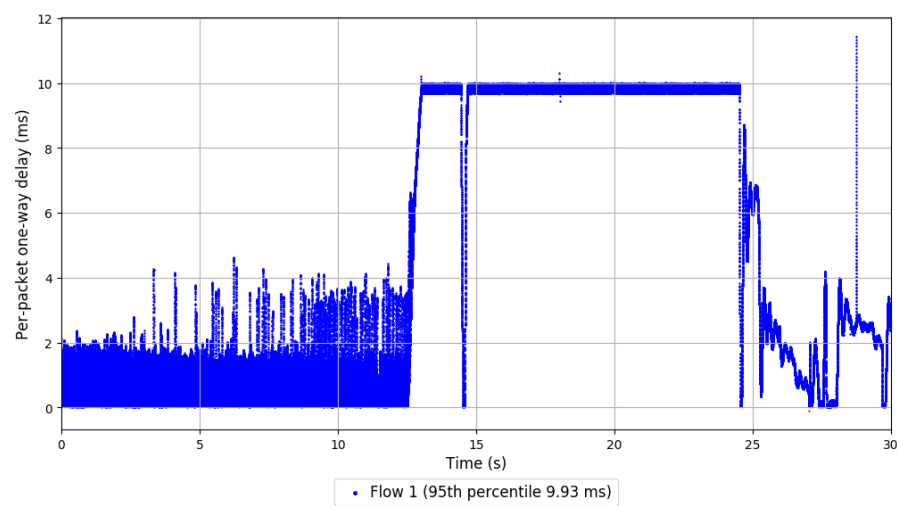
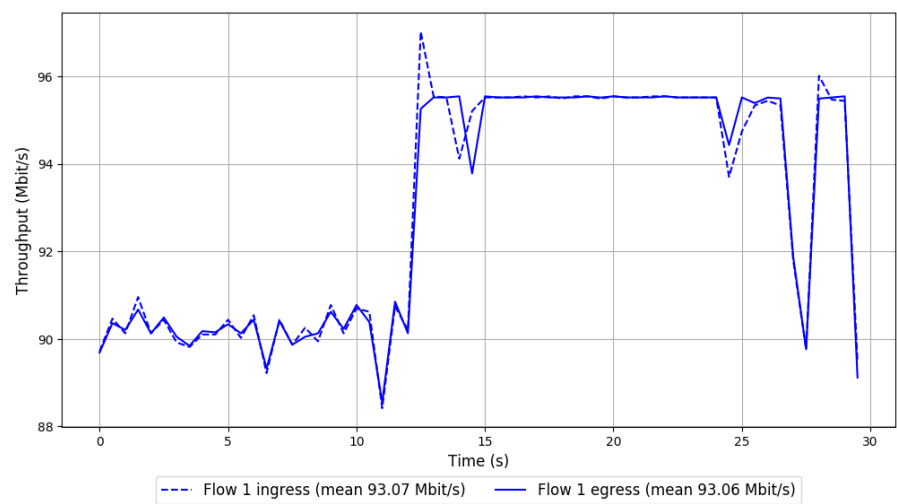
Run 7: Statistics of Copa

Start at: 2018-04-24 07:11:09  
End at: 2018-04-24 07:11:39  
Local clock offset: -9.015 ms  
Remote clock offset: -6.948 ms

# Below is generated by plot.py at 2018-04-24 11:46:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.06 Mbit/s  
95th percentile per-packet one-way delay: 9.926 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 93.06 Mbit/s  
95th percentile per-packet one-way delay: 9.926 ms  
Loss rate: 0.01%



Run 7: Report of Copa — Data Link

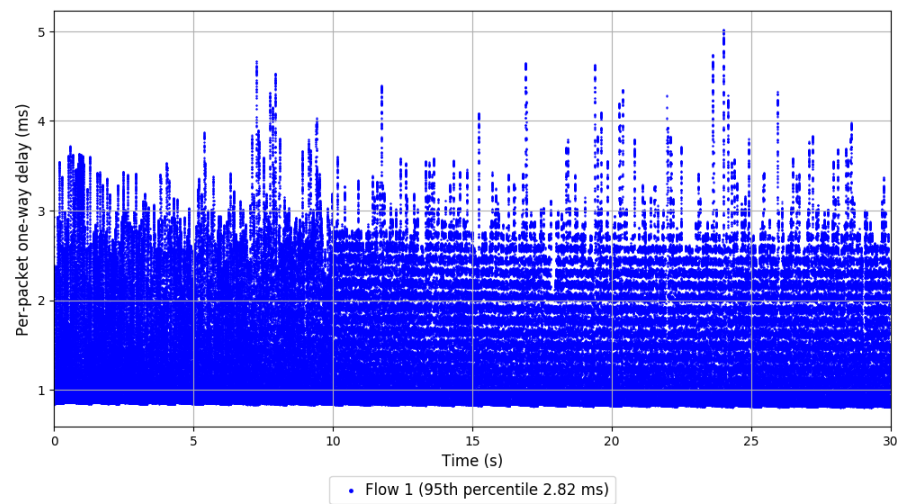
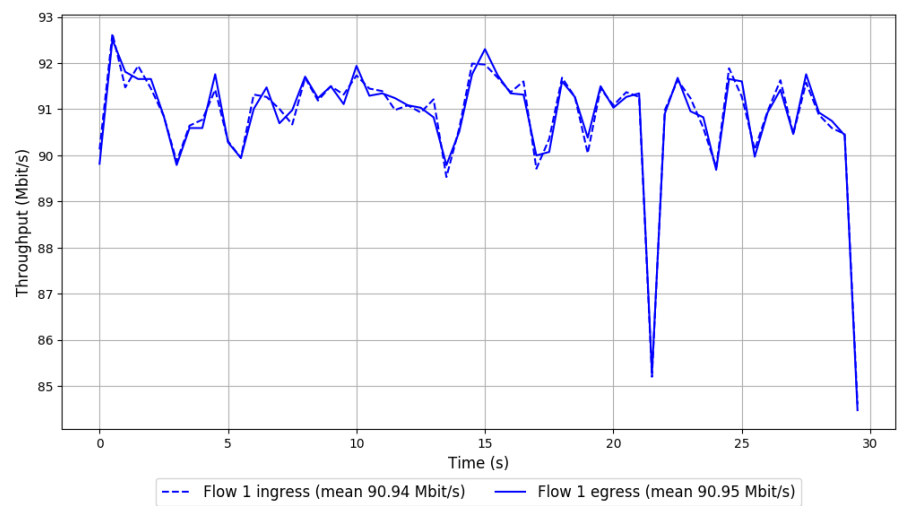


Run 8: Statistics of Copa

Start at: 2018-04-24 07:30:12  
End at: 2018-04-24 07:30:42  
Local clock offset: -7.66 ms  
Remote clock offset: -6.409 ms

# Below is generated by plot.py at 2018-04-24 11:46:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.95 Mbit/s  
95th percentile per-packet one-way delay: 2.824 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 90.95 Mbit/s  
95th percentile per-packet one-way delay: 2.824 ms  
Loss rate: 0.01%

Run 8: Report of Copa — Data Link

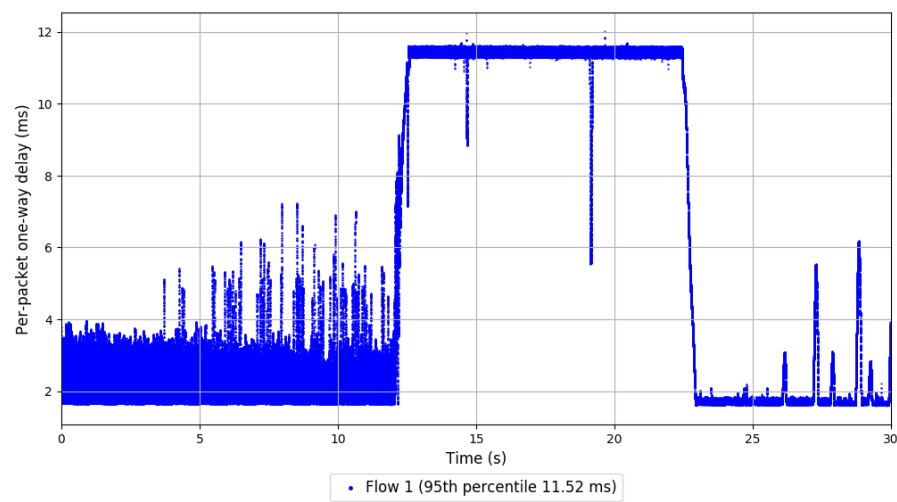
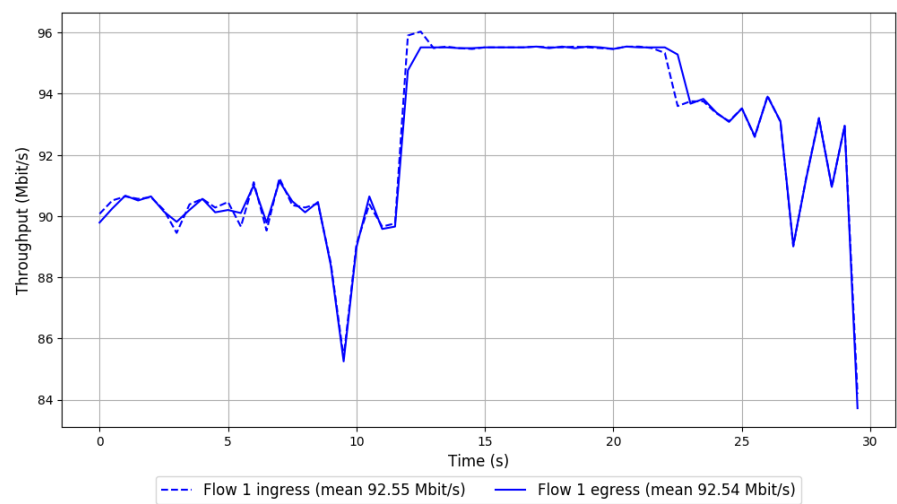


Run 9: Statistics of Copa

Start at: 2018-04-24 07:49:16  
End at: 2018-04-24 07:49:46  
Local clock offset: -6.276 ms  
Remote clock offset: -6.242 ms

# Below is generated by plot.py at 2018-04-24 11:48:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.54 Mbit/s  
95th percentile per-packet one-way delay: 11.524 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 92.54 Mbit/s  
95th percentile per-packet one-way delay: 11.524 ms  
Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

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

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

Local clock offset: -0.761 ms

Remote clock offset: -6.7 ms

# Below is generated by plot.py at 2018-04-24 11:48:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 1.969 ms

Loss rate: 0.01%

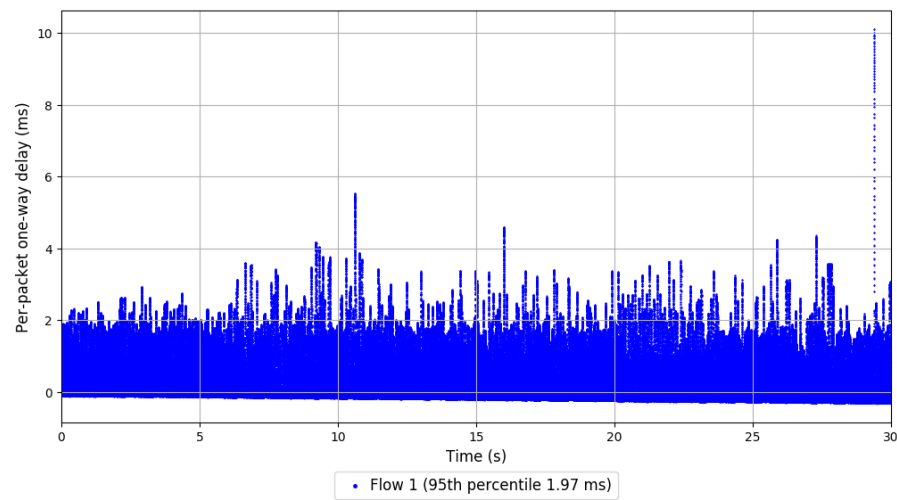
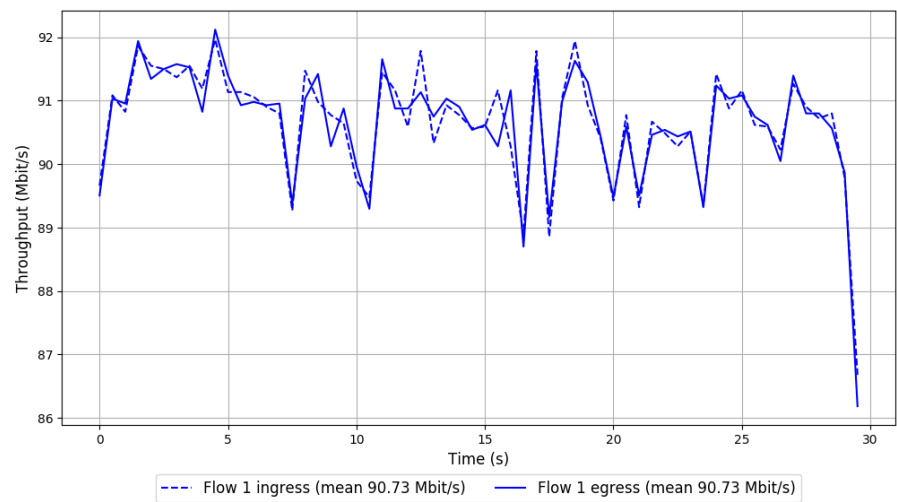
-- Flow 1:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 1.969 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link



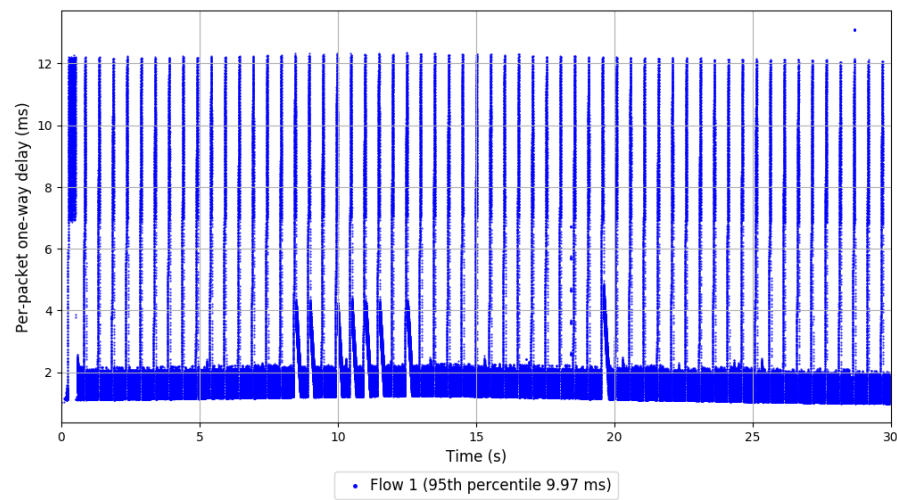
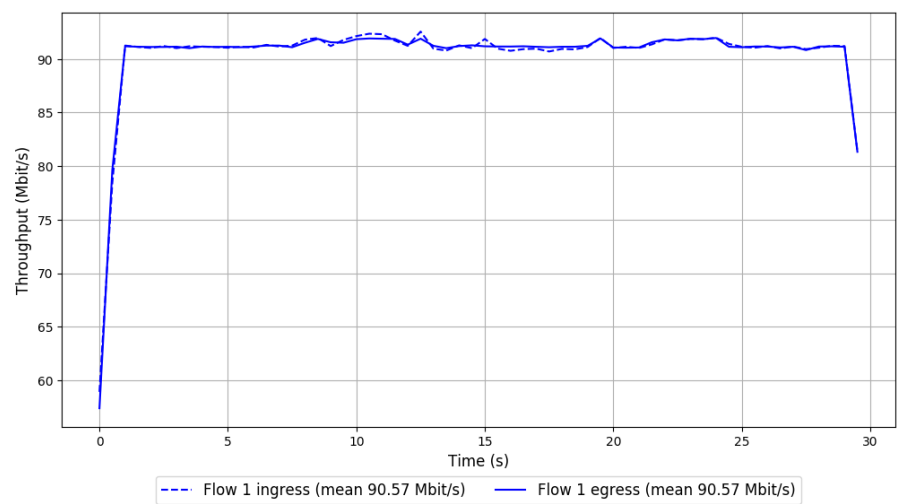
Run 1: Statistics of FillP

Start at: 2018-04-24 05:22:26  
End at: 2018-04-24 05:22:56  
Local clock offset: -11.735 ms  
Remote clock offset: -6.733 ms

# Below is generated by plot.py at 2018-04-24 11:48:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.57 Mbit/s  
95th percentile per-packet one-way delay: 9.971 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 90.57 Mbit/s  
95th percentile per-packet one-way delay: 9.971 ms  
Loss rate: 0.01%



Run 1: Report of FillP — Data Link

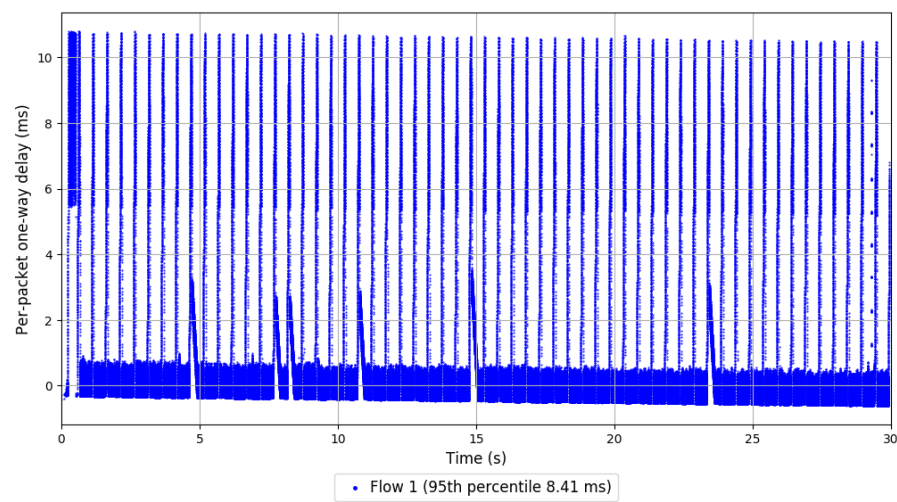
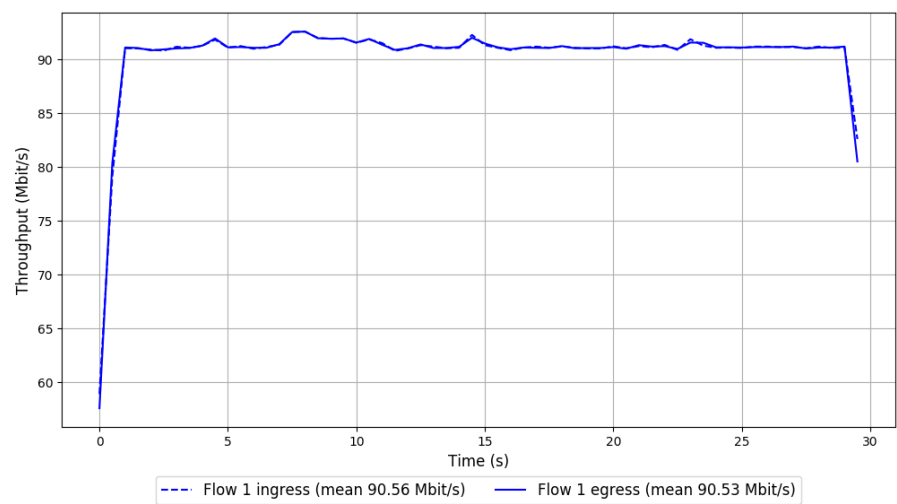


Run 2: Statistics of FillP

Start at: 2018-04-24 05:41:30  
End at: 2018-04-24 05:42:00  
Local clock offset: -13.911 ms  
Remote clock offset: -6.577 ms

# Below is generated by plot.py at 2018-04-24 11:48:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.53 Mbit/s  
95th percentile per-packet one-way delay: 8.406 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 90.53 Mbit/s  
95th percentile per-packet one-way delay: 8.406 ms  
Loss rate: 0.04%

Run 2: Report of FillP — Data Link

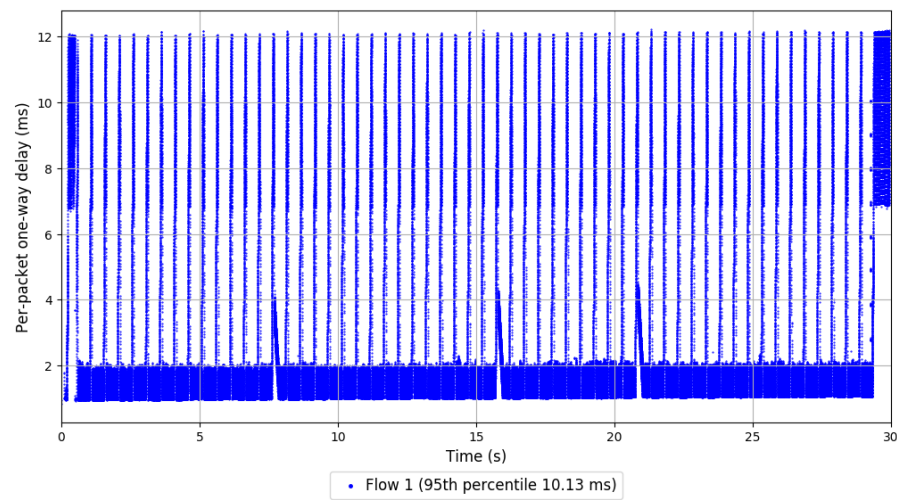
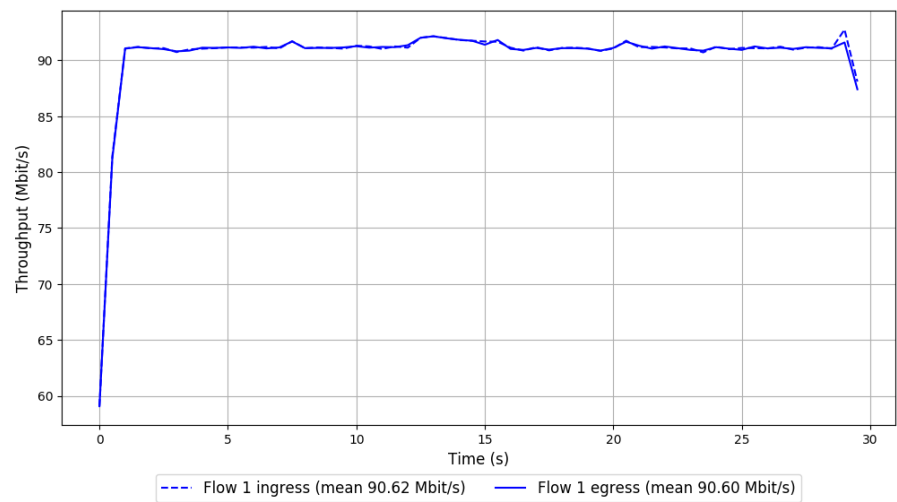


Run 3: Statistics of FillP

Start at: 2018-04-24 06:00:32  
End at: 2018-04-24 06:01:02  
Local clock offset: -11.596 ms  
Remote clock offset: -6.448 ms

# Below is generated by plot.py at 2018-04-24 11:48:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.60 Mbit/s  
95th percentile per-packet one-way delay: 10.133 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 90.60 Mbit/s  
95th percentile per-packet one-way delay: 10.133 ms  
Loss rate: 0.04%

Run 3: Report of FillP — Data Link

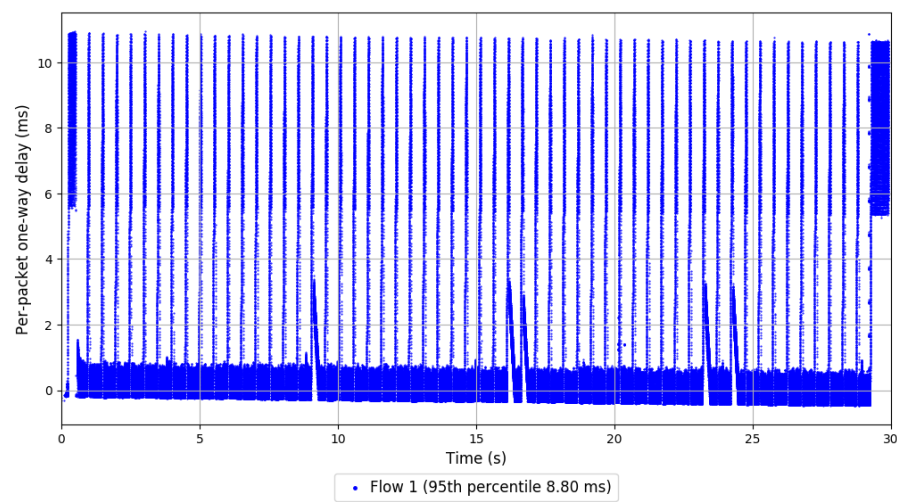
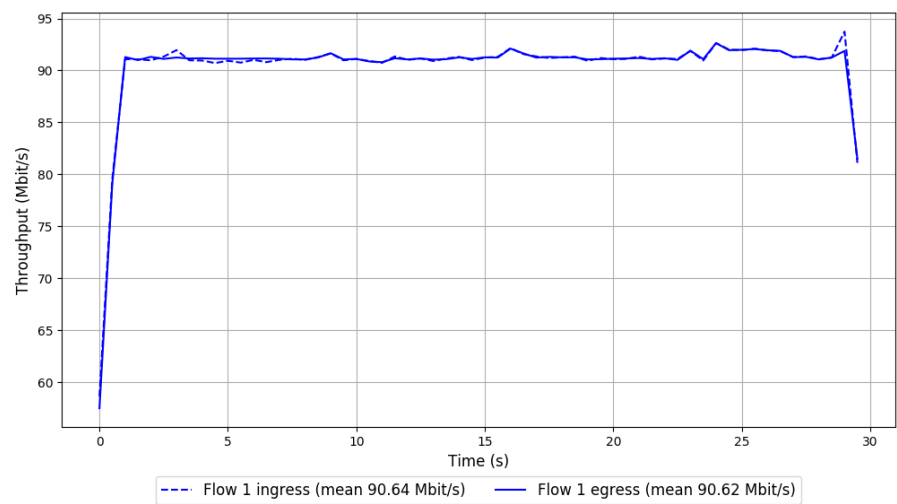


Run 4: Statistics of FillP

Start at: 2018-04-24 06:19:35  
End at: 2018-04-24 06:20:05  
Local clock offset: -13.981 ms  
Remote clock offset: -6.822 ms

# Below is generated by plot.py at 2018-04-24 11:48:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.62 Mbit/s  
95th percentile per-packet one-way delay: 8.805 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 90.62 Mbit/s  
95th percentile per-packet one-way delay: 8.805 ms  
Loss rate: 0.03%

Run 4: Report of FillP — Data Link



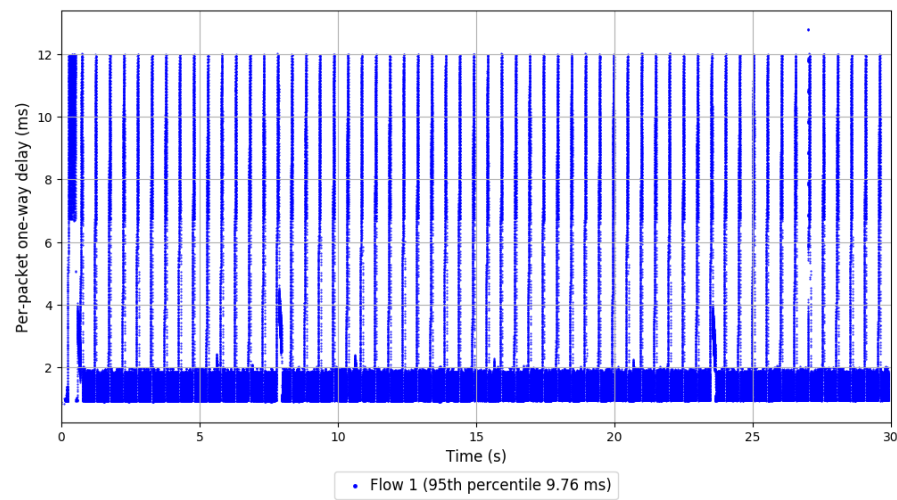
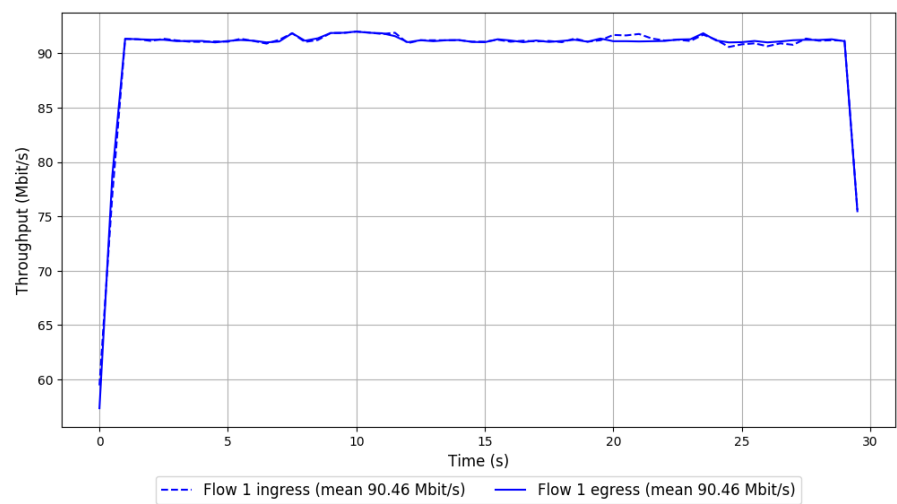
Run 5: Statistics of FillP

Start at: 2018-04-24 06:38:39  
End at: 2018-04-24 06:39:09  
Local clock offset: -10.059 ms  
Remote clock offset: -6.997 ms

# Below is generated by plot.py at 2018-04-24 11:48:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.46 Mbit/s  
95th percentile per-packet one-way delay: 9.756 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 90.46 Mbit/s  
95th percentile per-packet one-way delay: 9.756 ms  
Loss rate: 0.01%



Run 5: Report of FillP — Data Link

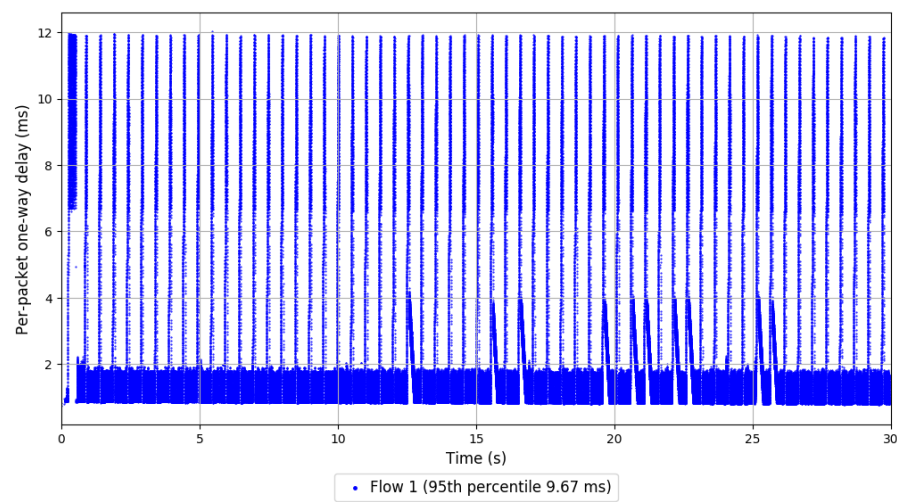
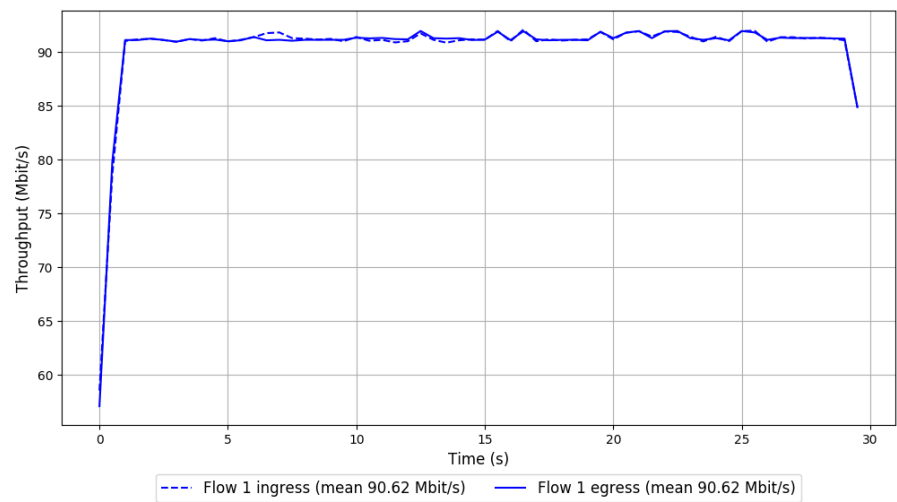


Run 6: Statistics of FillP

Start at: 2018-04-24 06:57:42  
End at: 2018-04-24 06:58:12  
Local clock offset: -8.834 ms  
Remote clock offset: -6.995 ms

# Below is generated by plot.py at 2018-04-24 11:48:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.62 Mbit/s  
95th percentile per-packet one-way delay: 9.673 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.62 Mbit/s  
95th percentile per-packet one-way delay: 9.673 ms  
Loss rate: 0.00%

Run 6: Report of FillP — Data Link

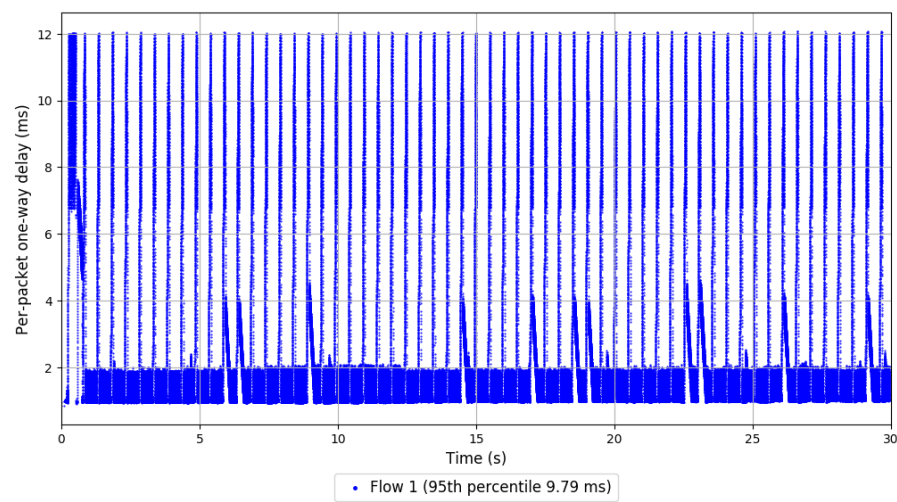
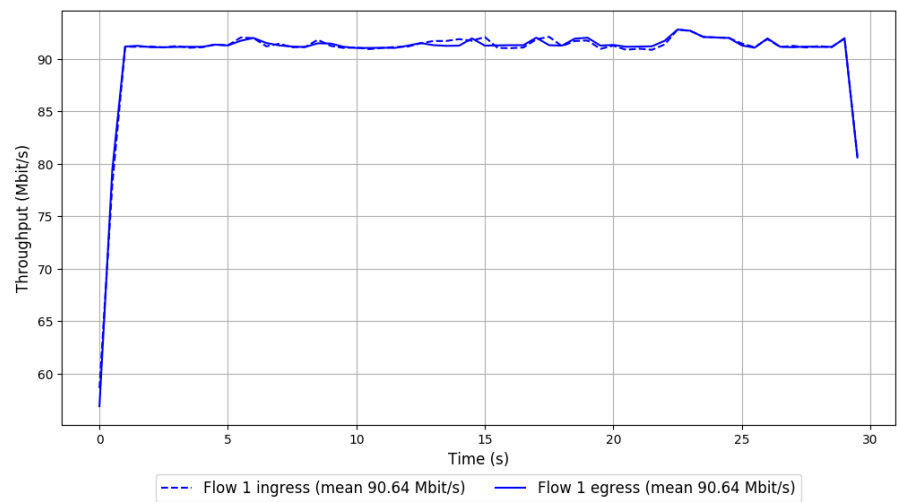


Run 7: Statistics of FillP

Start at: 2018-04-24 07:16:45  
End at: 2018-04-24 07:17:15  
Local clock offset: -8.359 ms  
Remote clock offset: -6.815 ms

# Below is generated by plot.py at 2018-04-24 11:49:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.64 Mbit/s  
95th percentile per-packet one-way delay: 9.786 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 90.64 Mbit/s  
95th percentile per-packet one-way delay: 9.786 ms  
Loss rate: 0.01%

Run 7: Report of FillP — Data Link

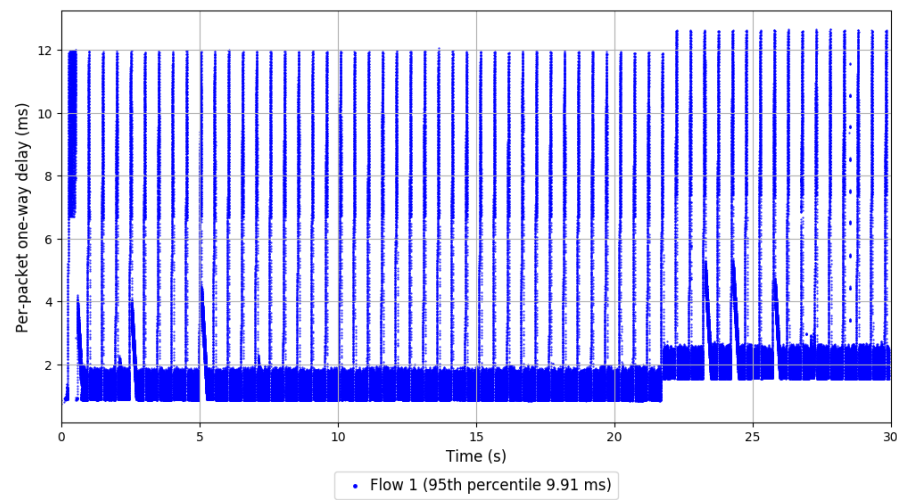
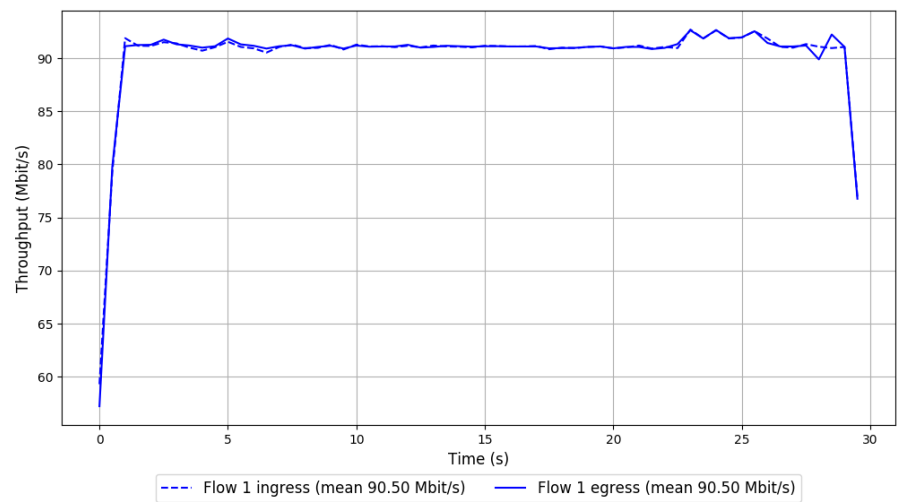


Run 8: Statistics of FillP

Start at: 2018-04-24 07:35:48  
End at: 2018-04-24 07:36:18  
Local clock offset: -7.152 ms  
Remote clock offset: -6.238 ms

# Below is generated by plot.py at 2018-04-24 11:49:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.50 Mbit/s  
95th percentile per-packet one-way delay: 9.911 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 90.50 Mbit/s  
95th percentile per-packet one-way delay: 9.911 ms  
Loss rate: 0.01%

Run 8: Report of FillP — Data Link



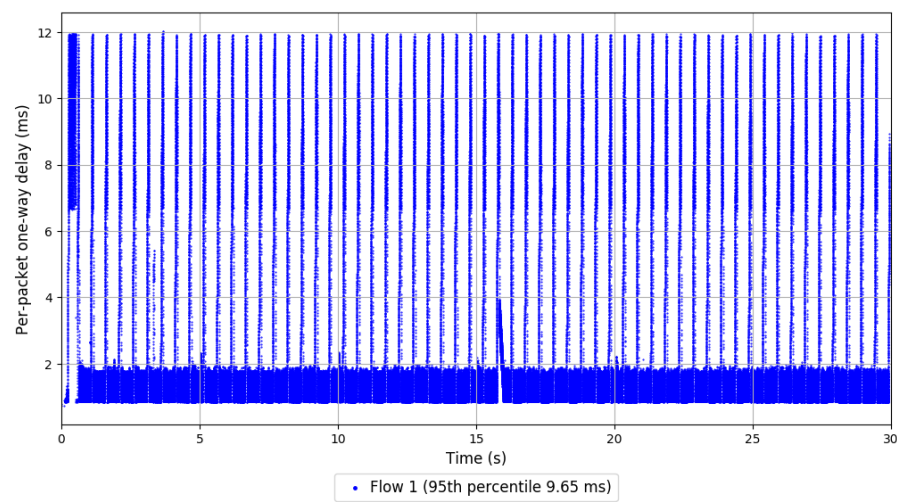
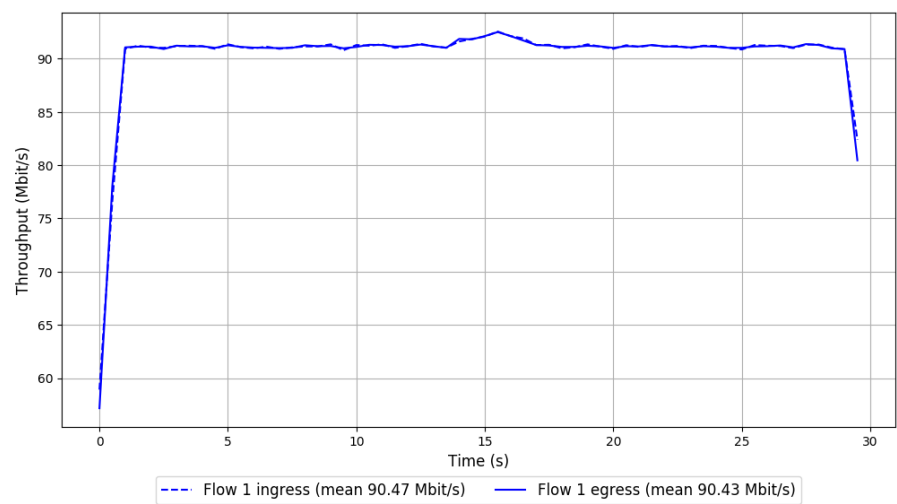
Run 9: Statistics of FillP

Start at: 2018-04-24 07:54:52  
End at: 2018-04-24 07:55:22  
Local clock offset: -7.118 ms  
Remote clock offset: -6.427 ms

# Below is generated by plot.py at 2018-04-24 11:49:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.43 Mbit/s  
95th percentile per-packet one-way delay: 9.653 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 90.43 Mbit/s  
95th percentile per-packet one-way delay: 9.653 ms  
Loss rate: 0.04%



Run 9: Report of FillP — Data Link

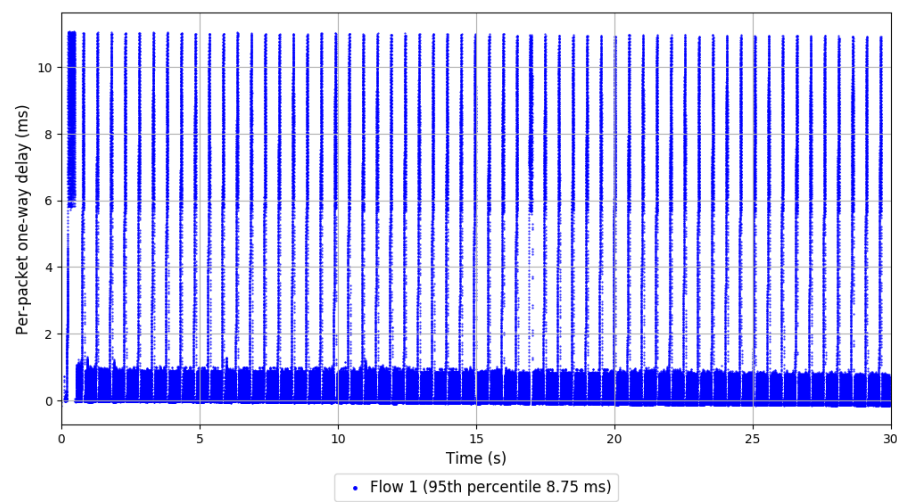
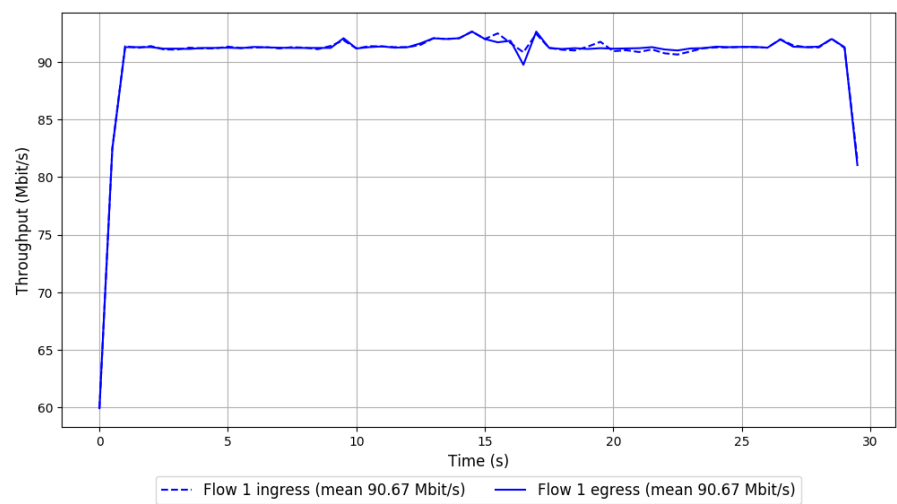


Run 10: Statistics of FillP

Start at: 2018-04-24 08:13:54  
End at: 2018-04-24 08:14:24  
Local clock offset: 1.19 ms  
Remote clock offset: -6.732 ms

# Below is generated by plot.py at 2018-04-24 11:49:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.67 Mbit/s  
95th percentile per-packet one-way delay: 8.747 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 90.67 Mbit/s  
95th percentile per-packet one-way delay: 8.747 ms  
Loss rate: 0.01%

Run 10: Report of FillP — Data Link

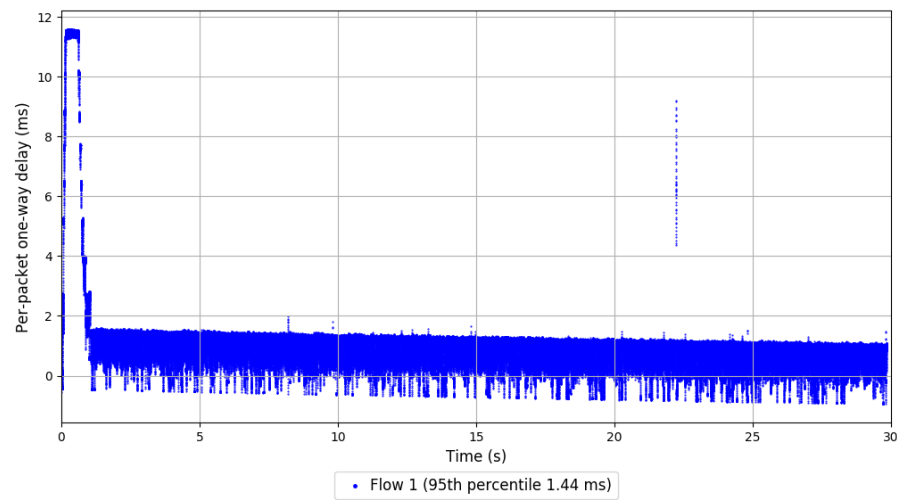
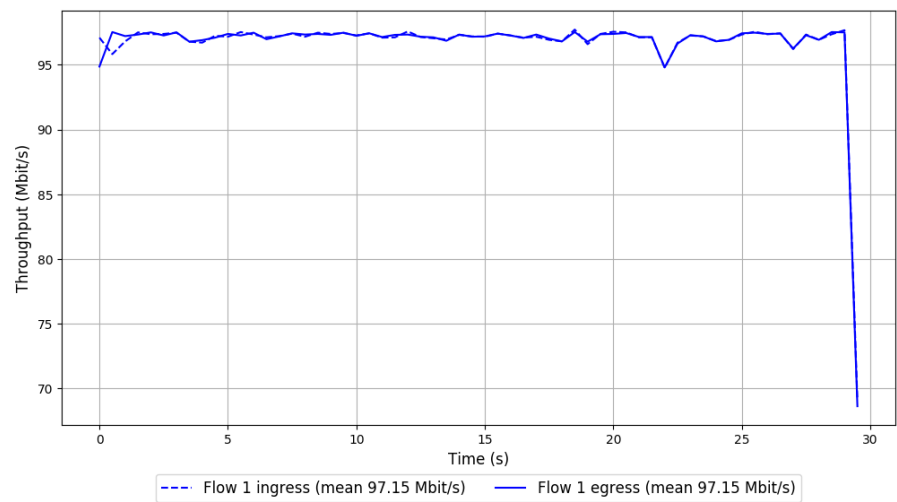


Run 1: Statistics of Indigo-1-32

Start at: 2018-04-24 05:14:34  
End at: 2018-04-24 05:15:04  
Local clock offset: -11.906 ms  
Remote clock offset: -6.776 ms

# Below is generated by plot.py at 2018-04-24 11:49:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 1.444 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 1.444 ms  
Loss rate: 0.01%

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

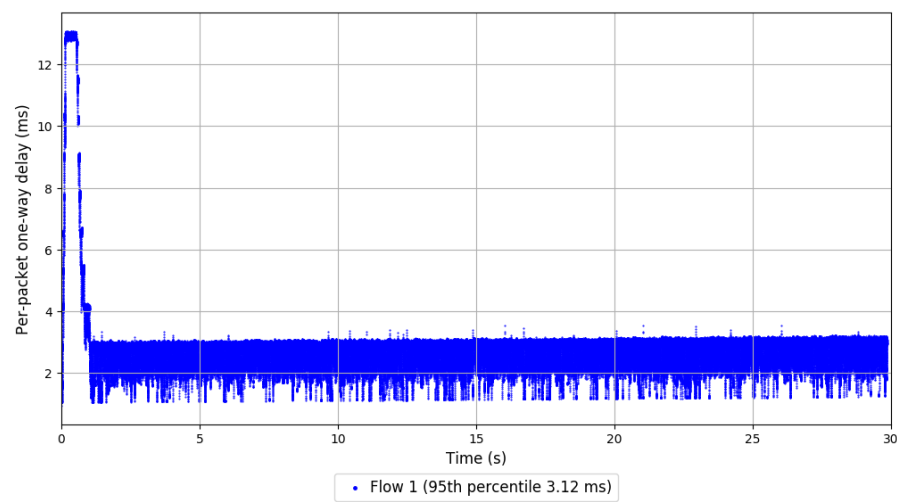
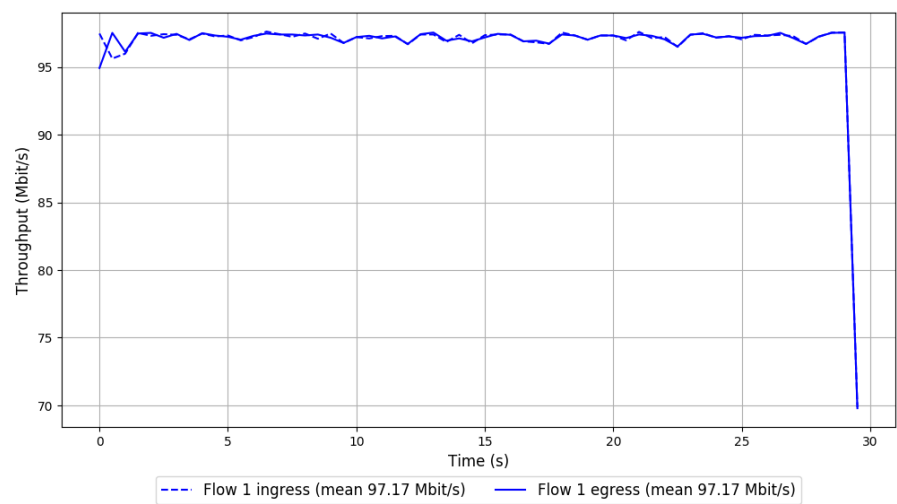


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-24 05:33:36  
End at: 2018-04-24 05:34:06  
Local clock offset: -11.311 ms  
Remote clock offset: -6.613 ms

# Below is generated by plot.py at 2018-04-24 11:49:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.17 Mbit/s  
95th percentile per-packet one-way delay: 3.116 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.17 Mbit/s  
95th percentile per-packet one-way delay: 3.116 ms  
Loss rate: 0.01%

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



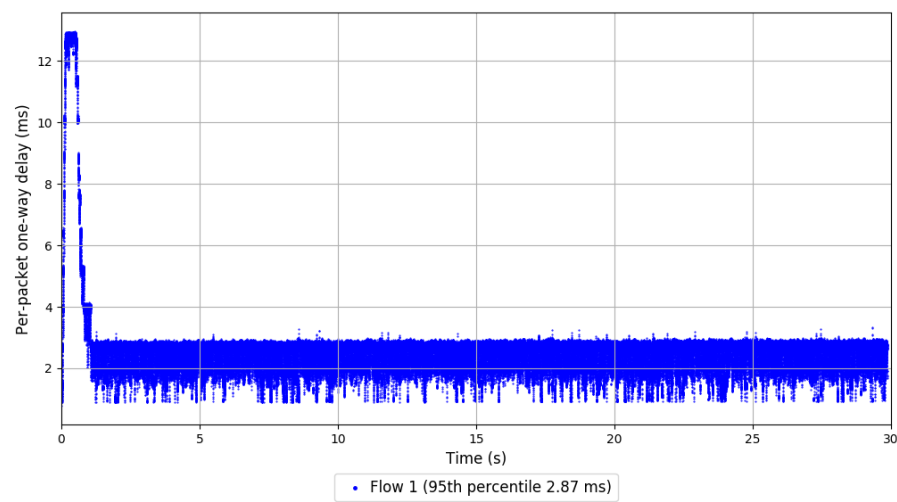
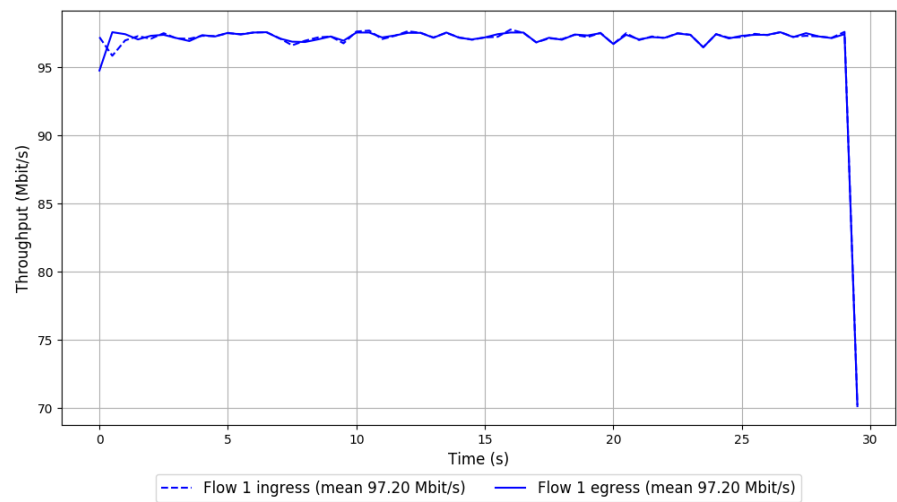
Run 3: Statistics of Indigo-1-32

Start at: 2018-04-24 05:52:41  
End at: 2018-04-24 05:53:11  
Local clock offset: -10.403 ms  
Remote clock offset: -6.509 ms

# Below is generated by plot.py at 2018-04-24 11:50:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.20 Mbit/s  
95th percentile per-packet one-way delay: 2.871 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.20 Mbit/s  
95th percentile per-packet one-way delay: 2.871 ms  
Loss rate: 0.01%



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

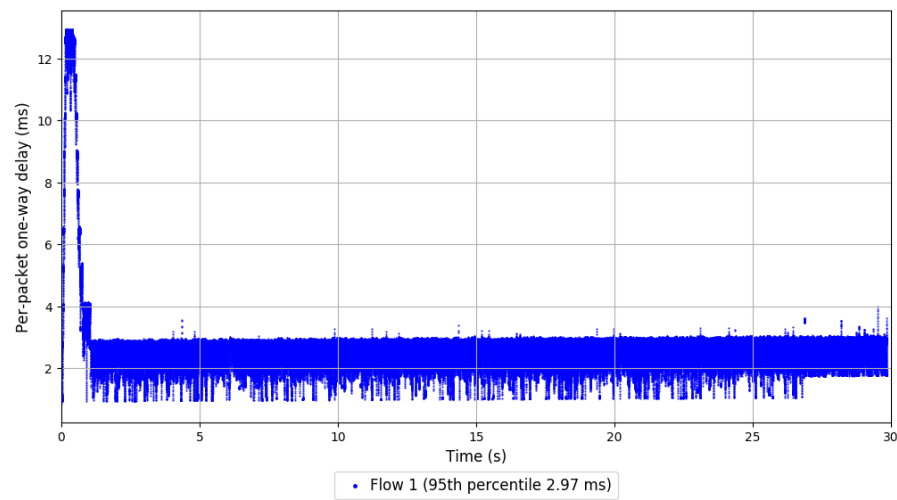
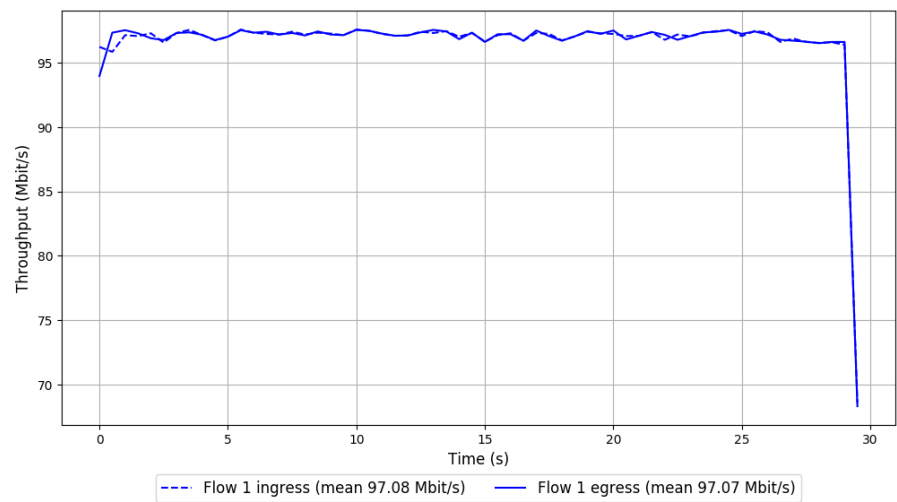


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-24 06:11:43  
End at: 2018-04-24 06:12:13  
Local clock offset: -14.719 ms  
Remote clock offset: -6.749 ms

# Below is generated by plot.py at 2018-04-24 11:50:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.07 Mbit/s  
95th percentile per-packet one-way delay: 2.969 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.07 Mbit/s  
95th percentile per-packet one-way delay: 2.969 ms  
Loss rate: 0.01%

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

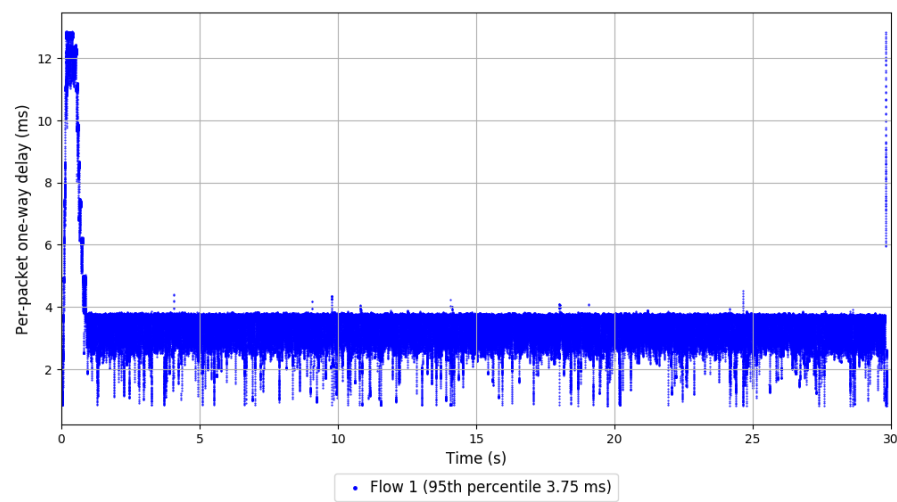
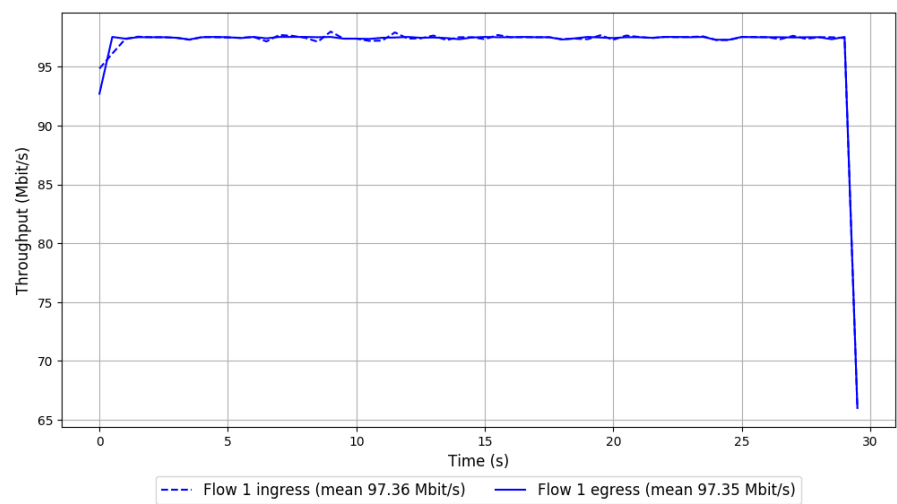


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-24 06:30:45  
End at: 2018-04-24 06:31:15  
Local clock offset: -10.042 ms  
Remote clock offset: -6.933 ms

# Below is generated by plot.py at 2018-04-24 11:51:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.35 Mbit/s  
95th percentile per-packet one-way delay: 3.753 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.35 Mbit/s  
95th percentile per-packet one-way delay: 3.753 ms  
Loss rate: 0.01%

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

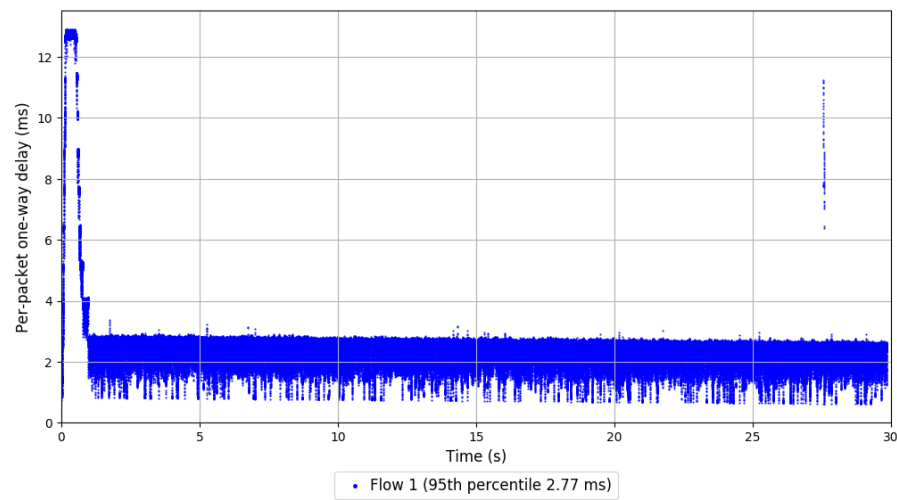
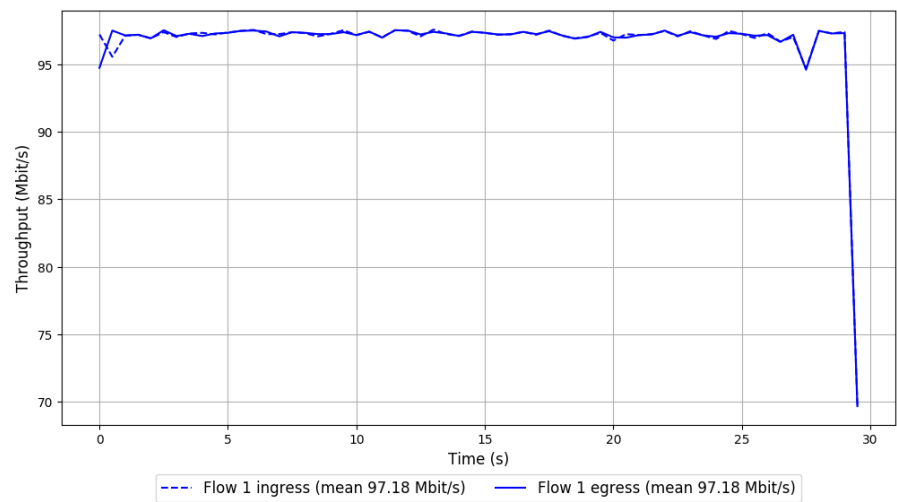


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-24 06:49:50  
End at: 2018-04-24 06:50:20  
Local clock offset: -10.989 ms  
Remote clock offset: -6.945 ms

# Below is generated by plot.py at 2018-04-24 11:51:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.18 Mbit/s  
95th percentile per-packet one-way delay: 2.770 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.18 Mbit/s  
95th percentile per-packet one-way delay: 2.770 ms  
Loss rate: 0.01%

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



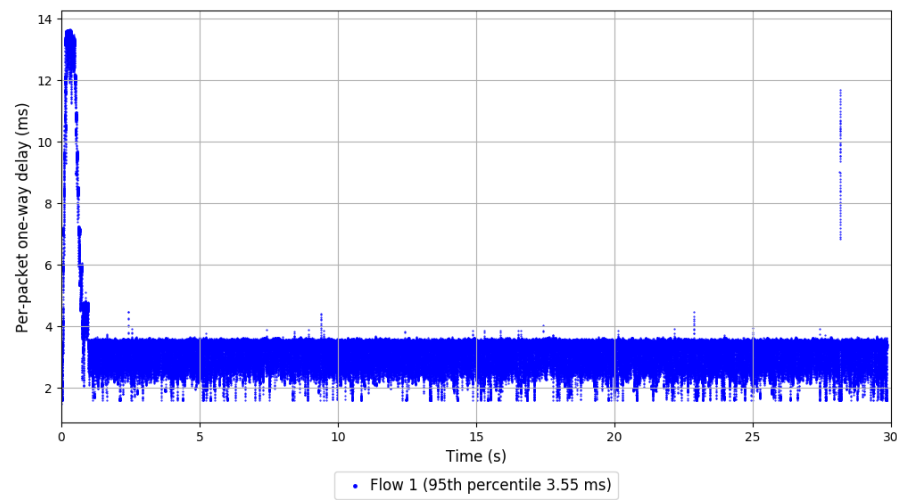
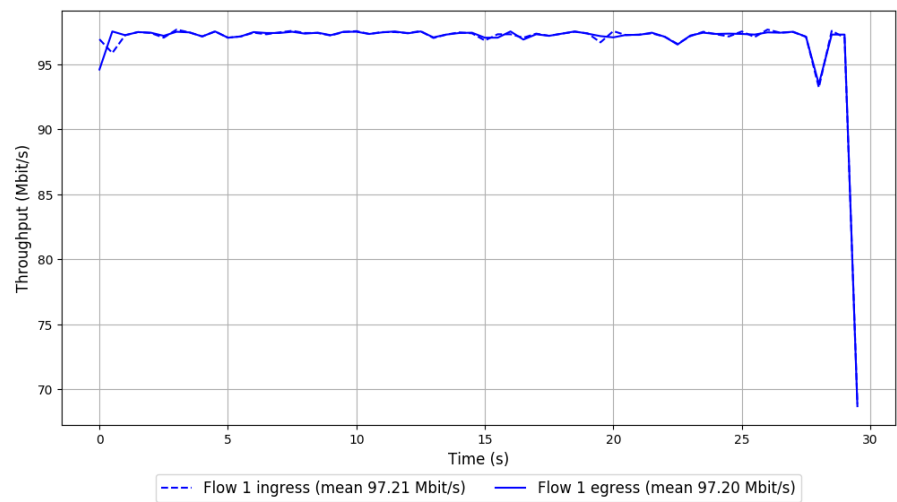
Run 7: Statistics of Indigo-1-32

Start at: 2018-04-24 07:08:51  
End at: 2018-04-24 07:09:21  
Local clock offset: -7.433 ms  
Remote clock offset: -6.943 ms

# Below is generated by plot.py at 2018-04-24 11:51:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.20 Mbit/s  
95th percentile per-packet one-way delay: 3.548 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.20 Mbit/s  
95th percentile per-packet one-way delay: 3.548 ms  
Loss rate: 0.01%



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



Run 8: Statistics of Indigo-1-32

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

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

Local clock offset: -7.99 ms

Remote clock offset: -6.378 ms

# Below is generated by plot.py at 2018-04-24 11:51:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 2.663 ms

Loss rate: 0.01%

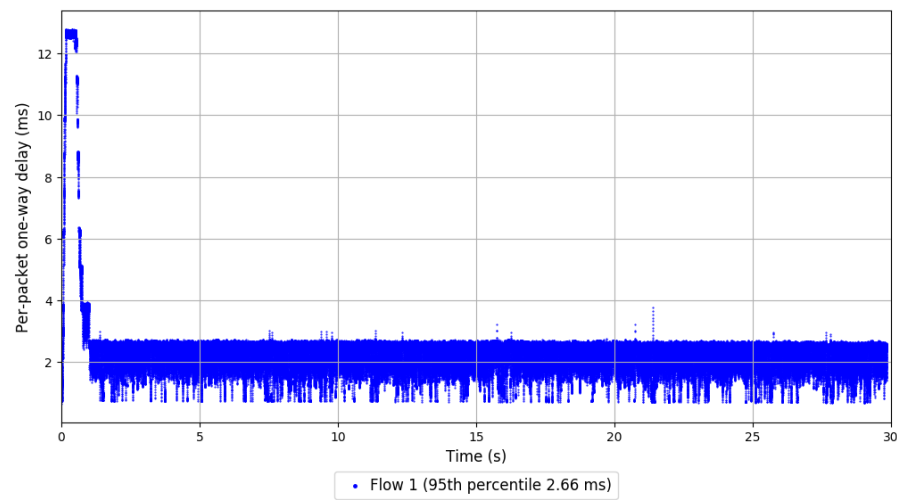
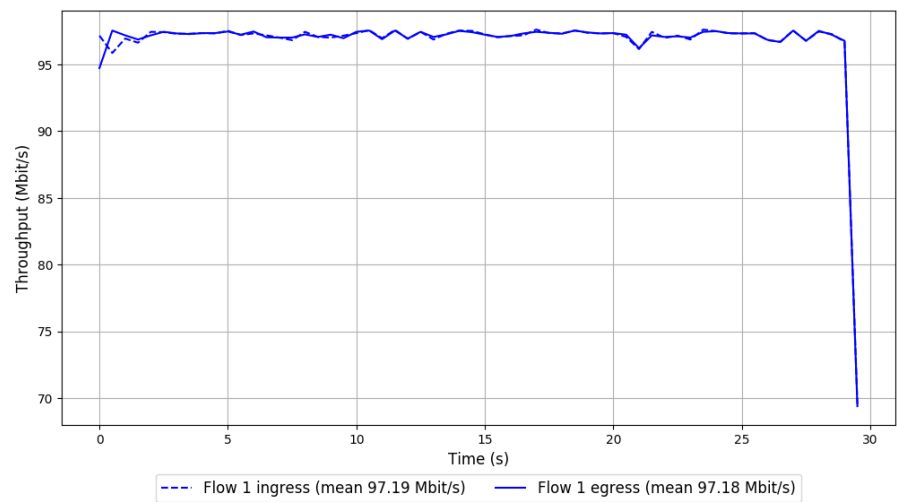
-- Flow 1:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 2.663 ms

Loss rate: 0.01%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-24 07:46:58

End at: 2018-04-24 07:47:28

Local clock offset: -7.031 ms

Remote clock offset: -6.084 ms

# Below is generated by plot.py at 2018-04-24 11:51:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 2.827 ms

Loss rate: 0.01%

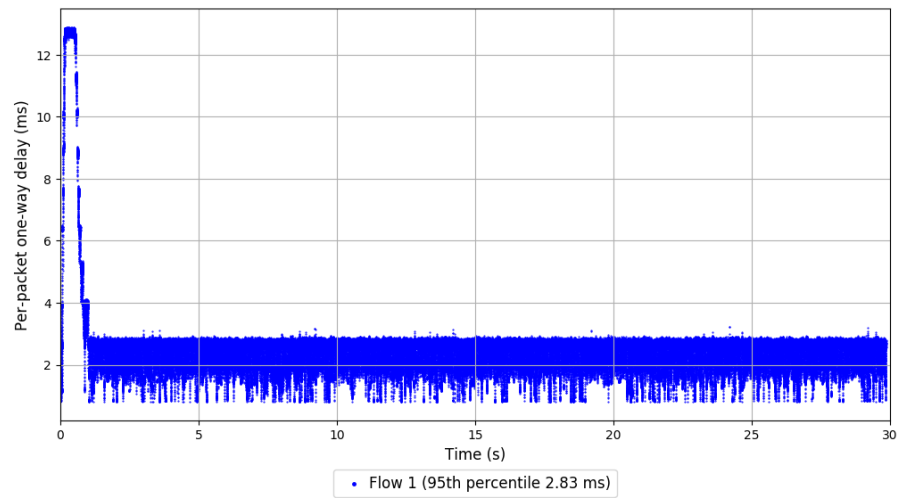
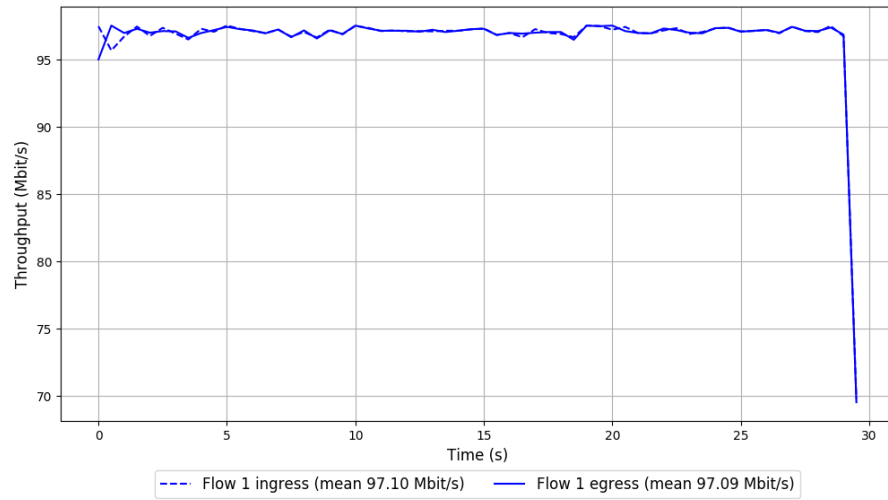
-- Flow 1:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 2.827 ms

Loss rate: 0.01%

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

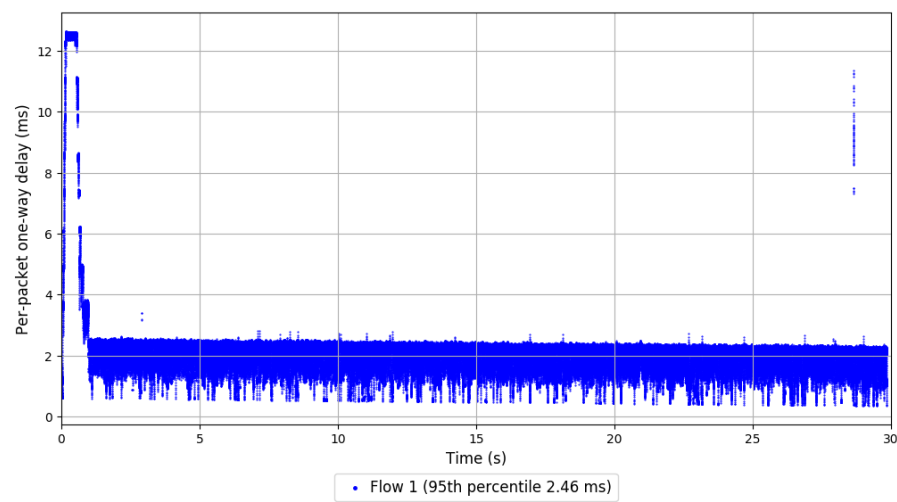
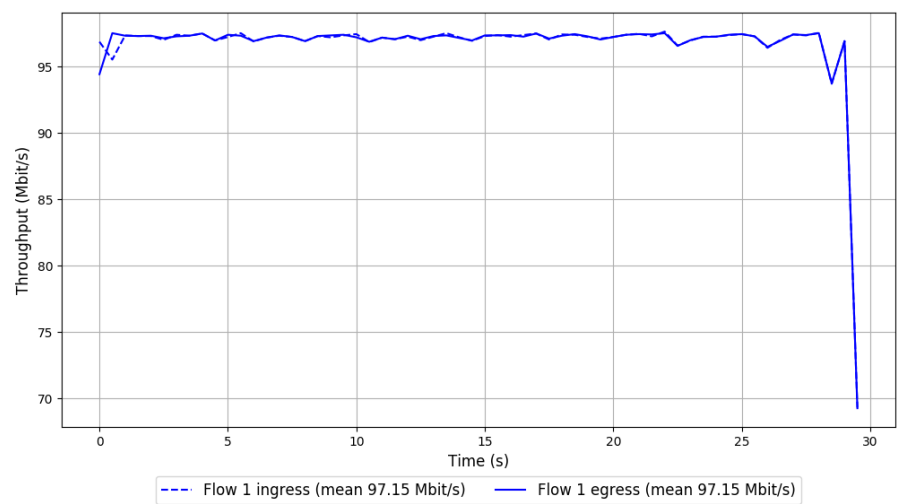


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-24 08:06:01  
End at: 2018-04-24 08:06:31  
Local clock offset: -1.133 ms  
Remote clock offset: -6.661 ms

# Below is generated by plot.py at 2018-04-24 11:51:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 2.462 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 2.462 ms  
Loss rate: 0.01%

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



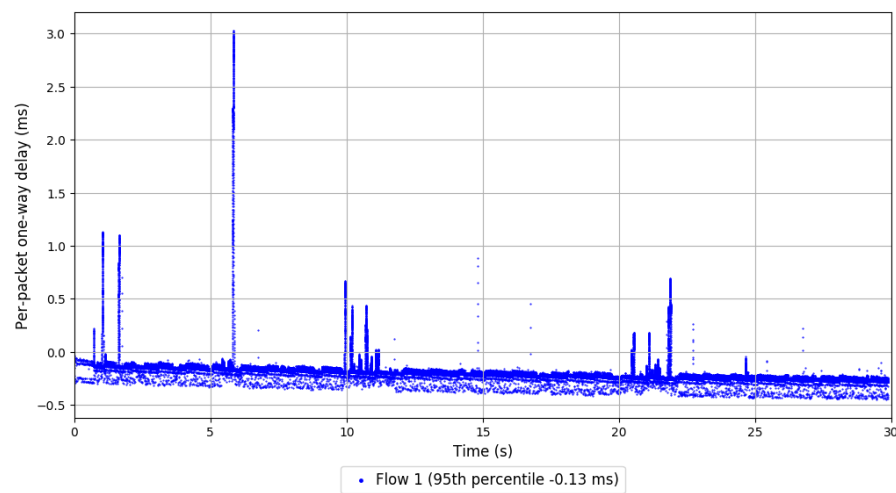
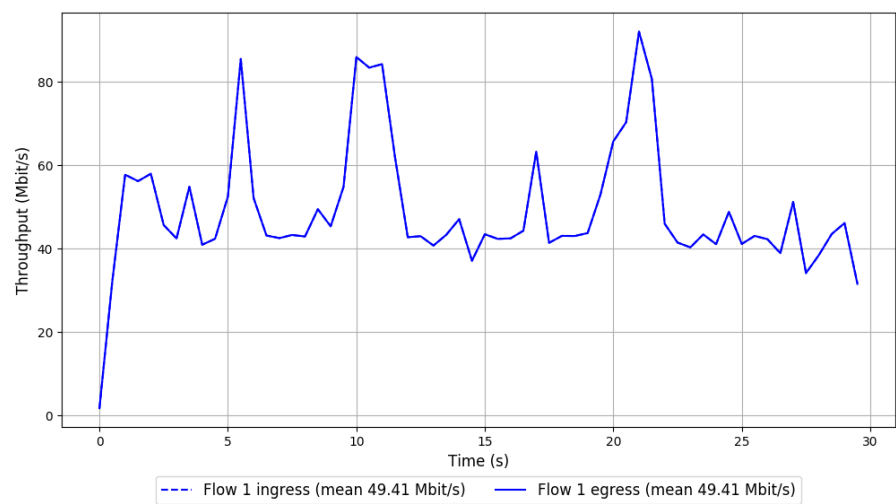
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 05:15:43  
End at: 2018-04-24 05:16:13  
Local clock offset: -10.637 ms  
Remote clock offset: -6.714 ms

# Below is generated by plot.py at 2018-04-24 11:51:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 49.41 Mbit/s  
95th percentile per-packet one-way delay: -0.129 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 49.41 Mbit/s  
95th percentile per-packet one-way delay: -0.129 ms  
Loss rate: 0.00%



Run 1: Report of PCC-Vivace — Data Link

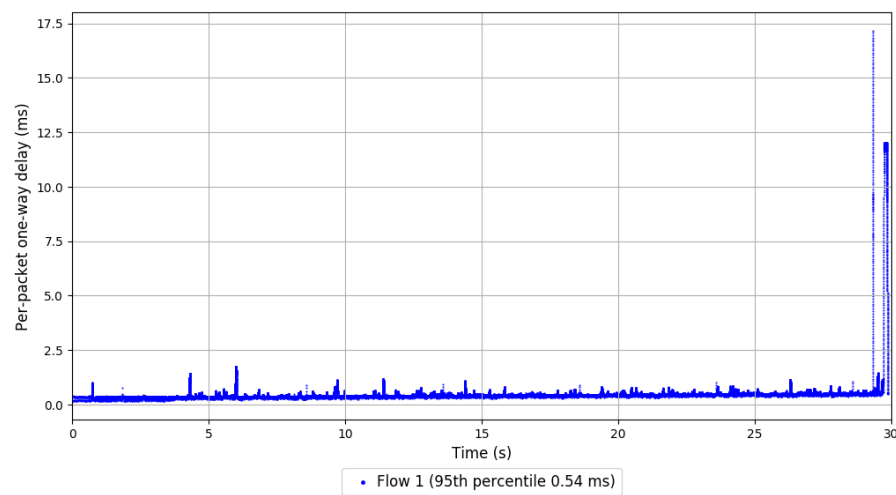
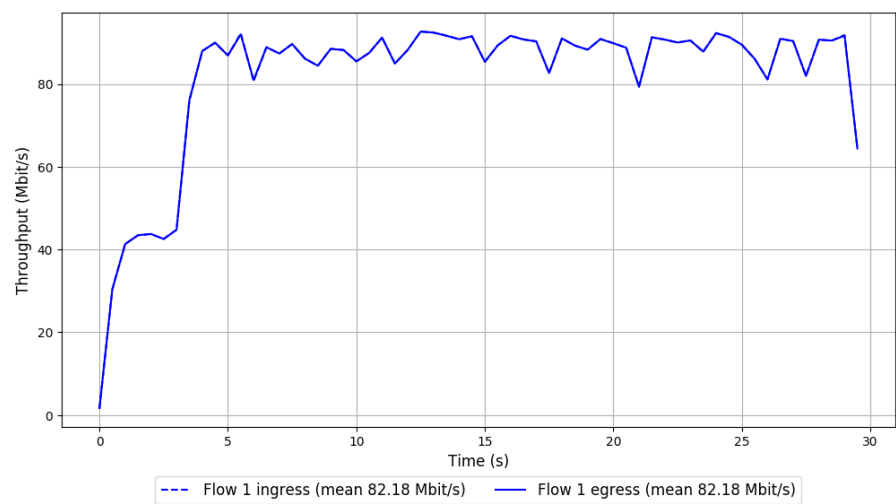


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-24 05:34:45  
End at: 2018-04-24 05:35:15  
Local clock offset: -12.455 ms  
Remote clock offset: -6.591 ms

# Below is generated by plot.py at 2018-04-24 11:51:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.18 Mbit/s  
95th percentile per-packet one-way delay: 0.539 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 82.18 Mbit/s  
95th percentile per-packet one-way delay: 0.539 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

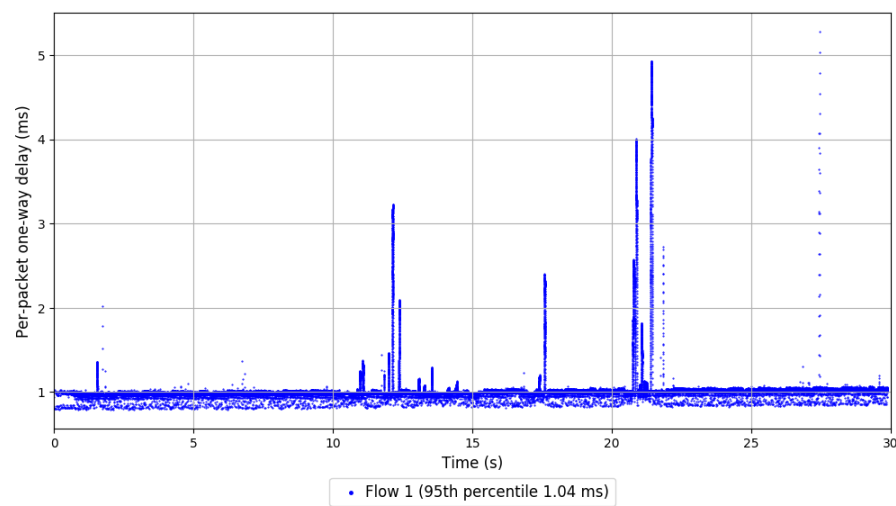
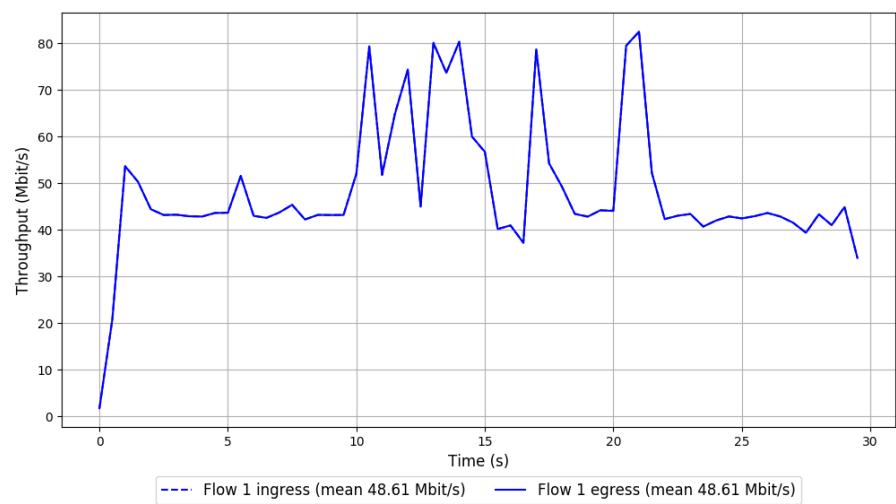


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-24 05:53:50  
End at: 2018-04-24 05:54:20  
Local clock offset: -10.505 ms  
Remote clock offset: -6.578 ms

# Below is generated by plot.py at 2018-04-24 11:51:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.61 Mbit/s  
95th percentile per-packet one-way delay: 1.038 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 48.61 Mbit/s  
95th percentile per-packet one-way delay: 1.038 ms  
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

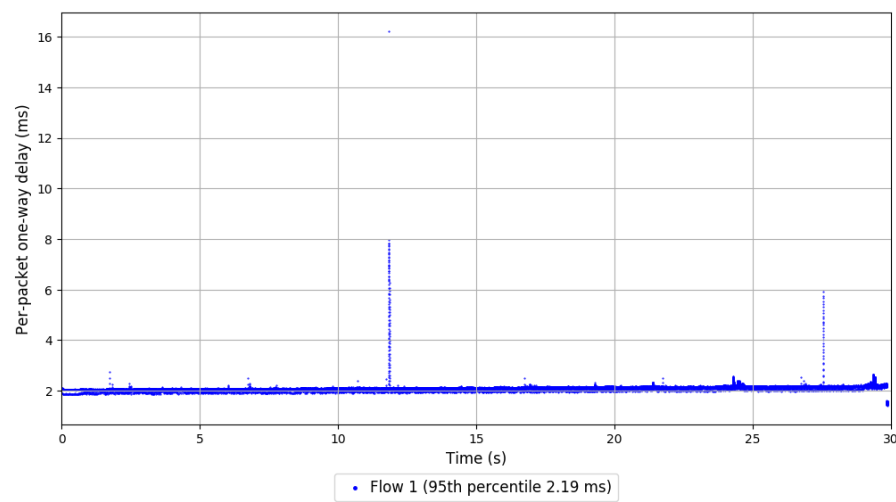
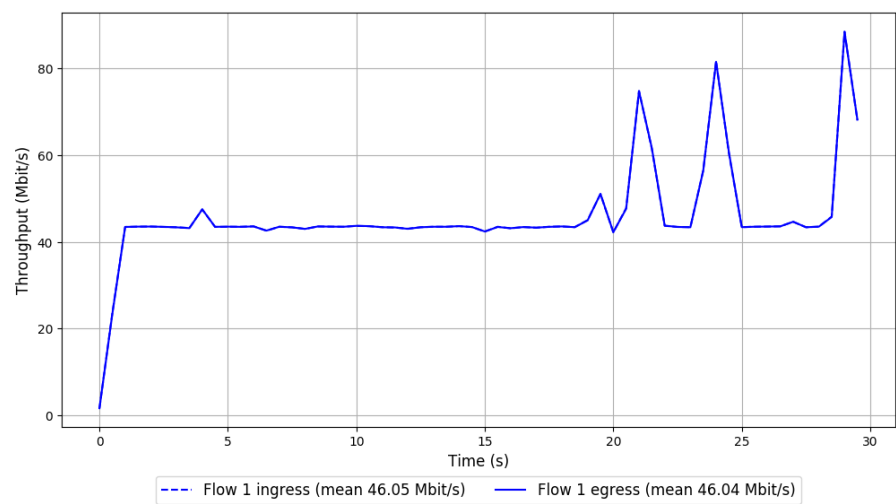


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-24 06:12:52  
End at: 2018-04-24 06:13:22  
Local clock offset: -14.593 ms  
Remote clock offset: -6.721 ms

# Below is generated by plot.py at 2018-04-24 11:51:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.04 Mbit/s  
95th percentile per-packet one-way delay: 2.187 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 46.04 Mbit/s  
95th percentile per-packet one-way delay: 2.187 ms  
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link



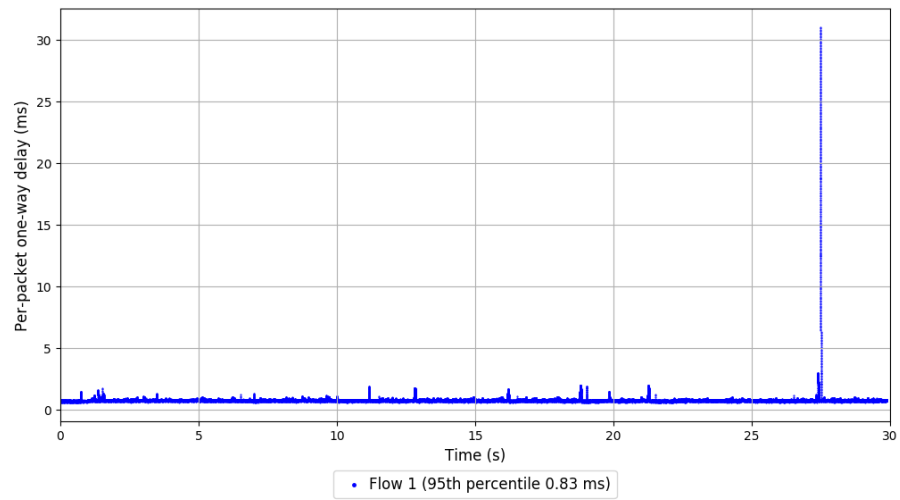
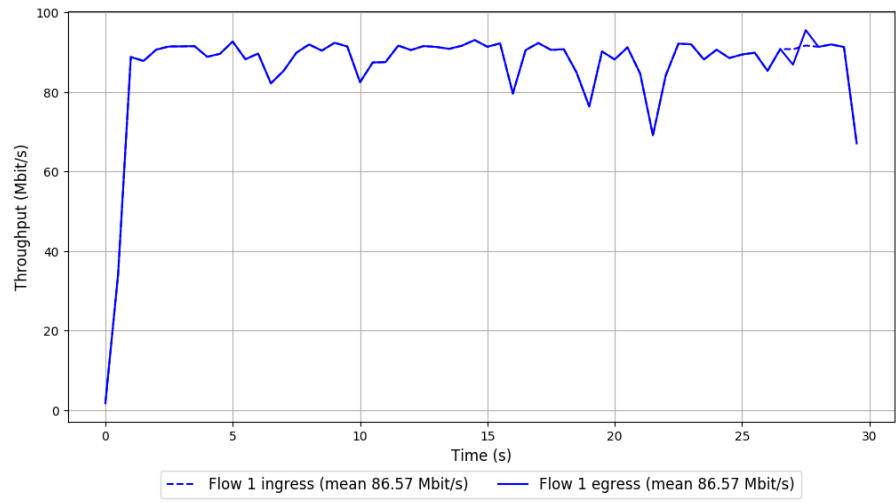
Run 5: Statistics of PCC-Vivace

Start at: 2018-04-24 06:31:54  
End at: 2018-04-24 06:32:25  
Local clock offset: -10.04 ms  
Remote clock offset: -6.922 ms

# Below is generated by plot.py at 2018-04-24 11:52:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.57 Mbit/s  
95th percentile per-packet one-way delay: 0.830 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 86.57 Mbit/s  
95th percentile per-packet one-way delay: 0.830 ms  
Loss rate: 0.01%



## Run 5: Report of PCC-Vivace — Data Link

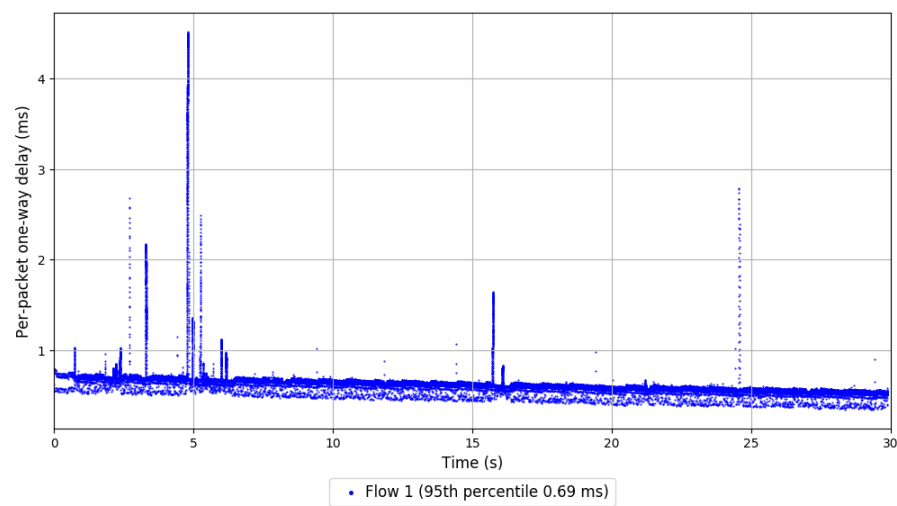
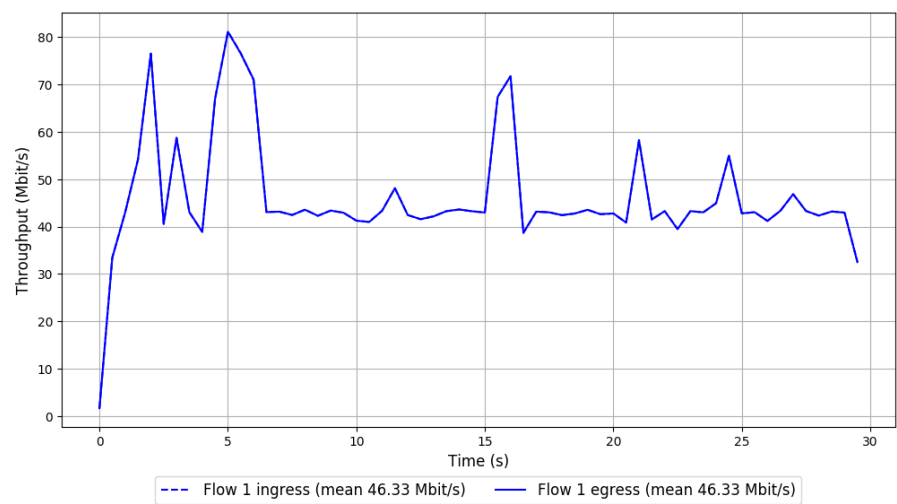


Run 6: Statistics of PCC-Vivace

Start at: 2018-04-24 06:50:59  
End at: 2018-04-24 06:51:29  
Local clock offset: -10.686 ms  
Remote clock offset: -7.011 ms

# Below is generated by plot.py at 2018-04-24 11:52:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.33 Mbit/s  
95th percentile per-packet one-way delay: 0.693 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.33 Mbit/s  
95th percentile per-packet one-way delay: 0.693 ms  
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

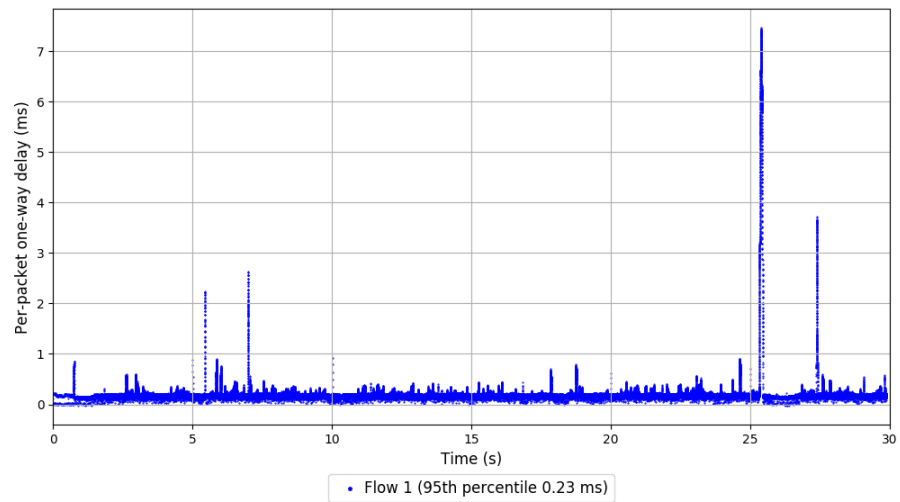
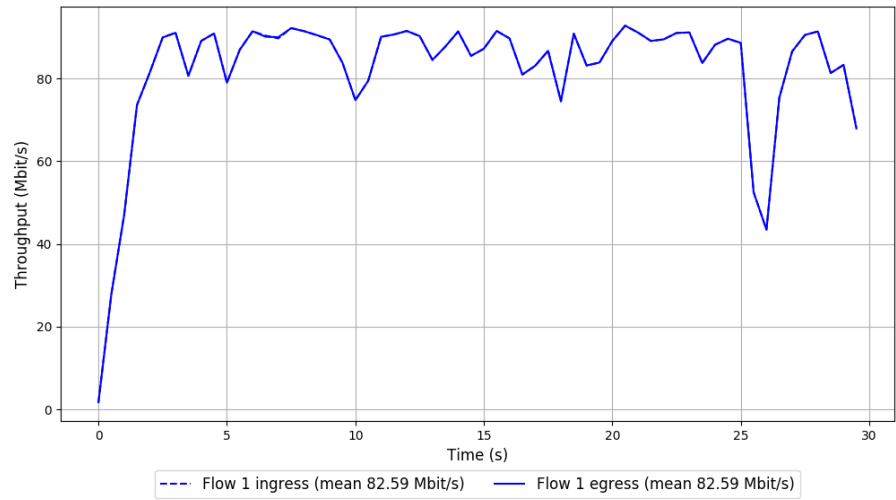


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-24 07:10:00  
End at: 2018-04-24 07:10:30  
Local clock offset: -8.942 ms  
Remote clock offset: -7.009 ms

# Below is generated by plot.py at 2018-04-24 11:52:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.59 Mbit/s  
95th percentile per-packet one-way delay: 0.230 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 82.59 Mbit/s  
95th percentile per-packet one-way delay: 0.230 ms  
Loss rate: 0.01%

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



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-24 07:29:03

End at: 2018-04-24 07:29:33

Local clock offset: -7.792 ms

Remote clock offset: -6.433 ms

# Below is generated by plot.py at 2018-04-24 11:52:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 0.947 ms

Loss rate: 0.00%

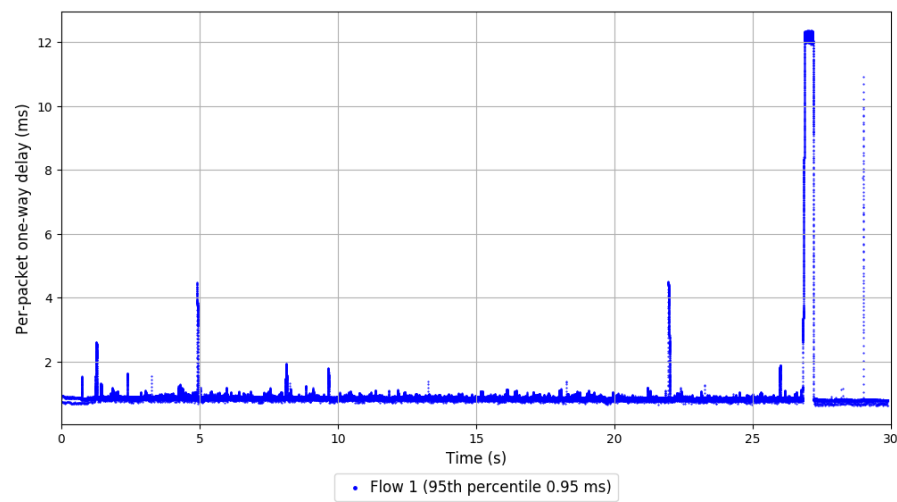
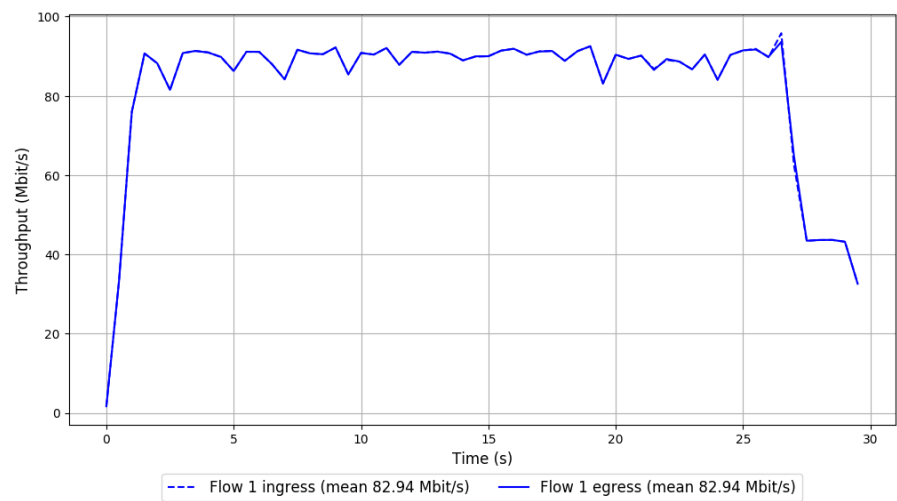
-- Flow 1:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 0.947 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

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

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

Local clock offset: -7.03 ms

Remote clock offset: -6.101 ms

# Below is generated by plot.py at 2018-04-24 11:52:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.08 Mbit/s

95th percentile per-packet one-way delay: 0.937 ms

Loss rate: 0.01%

-- Flow 1:

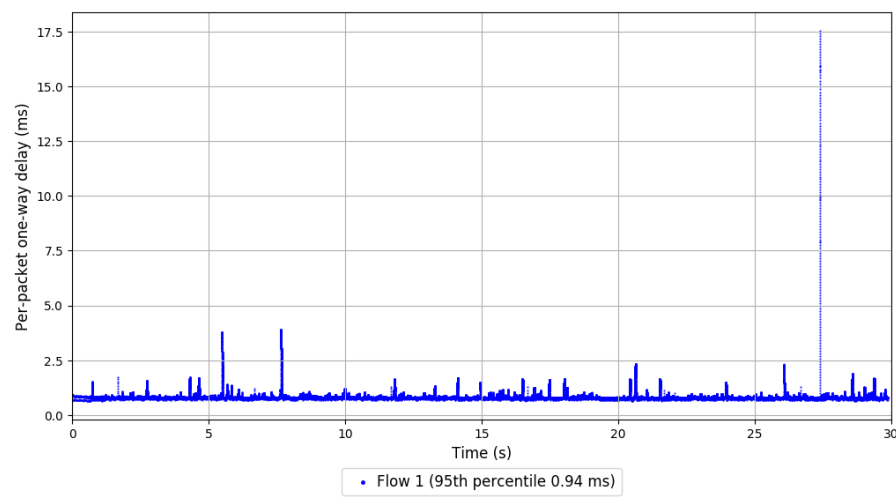
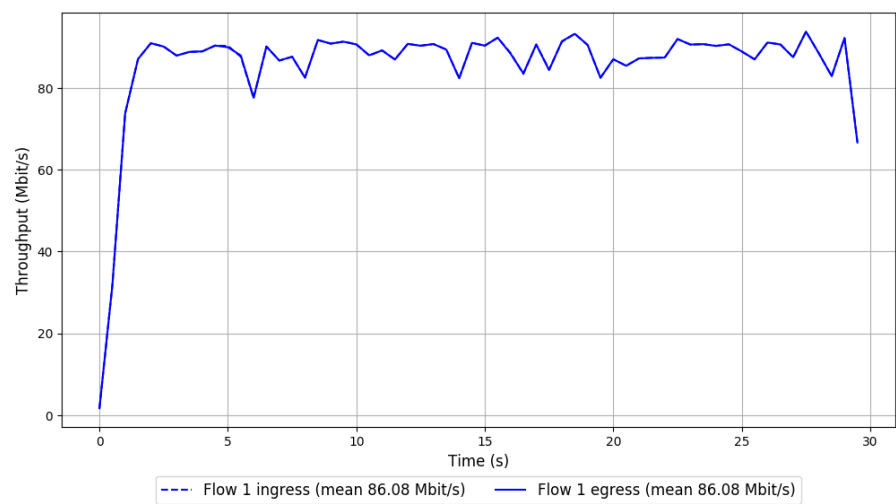
Average throughput: 86.08 Mbit/s

95th percentile per-packet one-way delay: 0.937 ms

Loss rate: 0.01%



Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-24 08:07:10

End at: 2018-04-24 08:07:40

Local clock offset: 0.288 ms

Remote clock offset: -6.691 ms

# Below is generated by plot.py at 2018-04-24 11:52:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.29 Mbit/s

95th percentile per-packet one-way delay: 1.458 ms

Loss rate: 0.01%

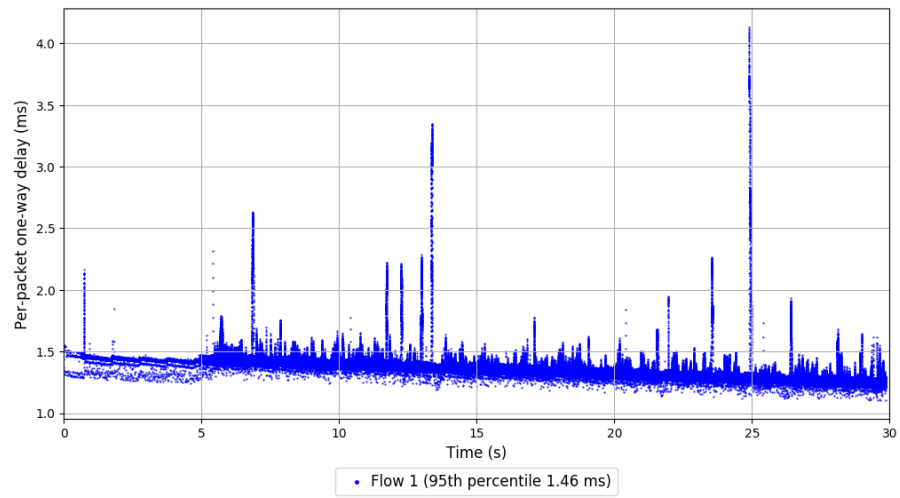
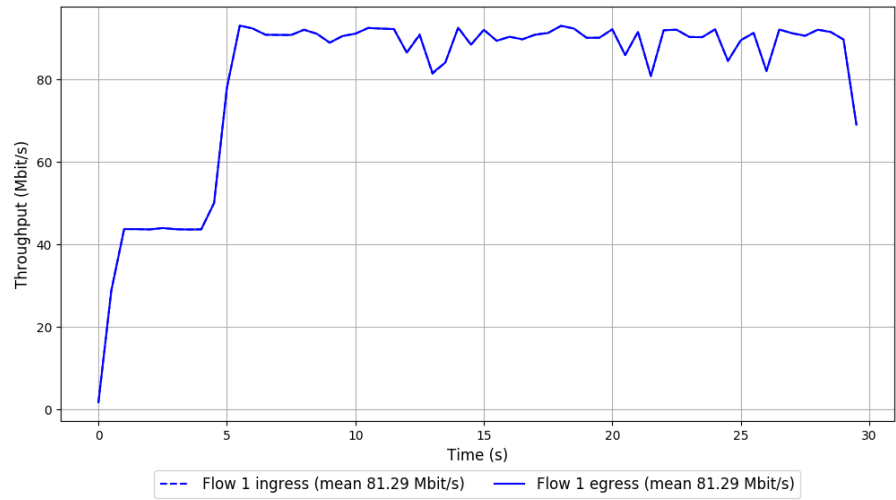
-- Flow 1:

Average throughput: 81.29 Mbit/s

95th percentile per-packet one-way delay: 1.458 ms

Loss rate: 0.01%

# Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 05:12:24  
End at: 2018-04-24 05:12:54  
Local clock offset: -8.416 ms  
Remote clock offset: -6.719 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 05:31:26

End at: 2018-04-24 05:31:56

Local clock offset: -10.678 ms

Remote clock offset: -6.591 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 05:50:30

End at: 2018-04-24 05:51:00

Local clock offset: -10.358 ms

Remote clock offset: -6.533 ms



Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 06:09:33  
End at: 2018-04-24 06:10:03  
Local clock offset: -13.206 ms  
Remote clock offset: -6.61 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 06:28:35

End at: 2018-04-24 06:29:05

Local clock offset: -9.499 ms

Remote clock offset: -6.911 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 06:47:39

End at: 2018-04-24 06:48:09

Local clock offset: -10.718 ms

Remote clock offset: -6.932 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 07:06:42

End at: 2018-04-24 07:07:12

Local clock offset: -8.175 ms

Remote clock offset: -6.936 ms



Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 07:25:44

End at: 2018-04-24 07:26:14

Local clock offset: -8.361 ms

Remote clock offset: -6.498 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 07:44:48

End at: 2018-04-24 07:45:18

Local clock offset: -7.856 ms

Remote clock offset: -6.194 ms

Run 9: Report of PCC-Expr — Data Link

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Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 08:03:52

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

Local clock offset: -2.487 ms

Remote clock offset: -6.63 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing