

## Pantheon Report

Generated at 2018-08-22 14:34:21 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

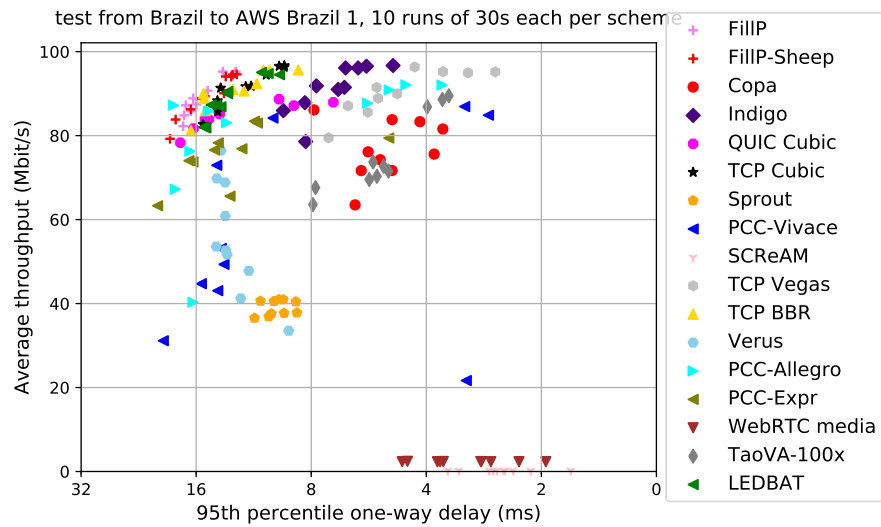
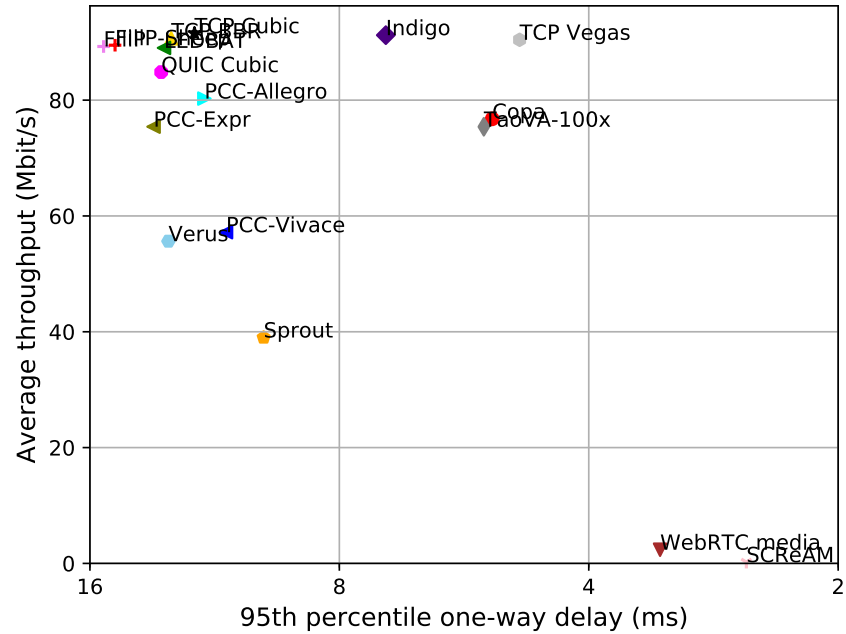
### System info:

```
Linux 4.15.0-1017-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

### Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Brazil to AWS Brazil 1, 10 runs of 30s each per scheme  
(mean of all runs by 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     | 90.68                            | 12.76                               | 0.04                         |
| Copa         | 10     | 76.77                            | 5.23                                | 0.01                         |
| TCP Cubic    | 10     | 91.56                            | 11.97                               | 0.05                         |
| FillP        | 10     | 89.26                            | 15.40                               | 0.04                         |
| FillP-Sheep  | 10     | 89.48                            | 14.92                               | 0.04                         |
| Indigo       | 10     | 91.22                            | 7.03                                | 0.02                         |
| LEDBAT       | 10     | 89.02                            | 13.02                               | 0.09                         |
| PCC-Allegro  | 10     | 80.27                            | 11.64                               | 0.64                         |
| PCC-Expr     | 10     | 75.42                            | 13.41                               | 0.12                         |
| QUIC Cubic   | 10     | 84.84                            | 13.13                               | 0.05                         |
| SCReAM       | 10     | 0.22                             | 2.58                                | 0.03                         |
| Sprout       | 10     | 39.01                            | 9.87                                | 0.02                         |
| TaoVA-100x   | 10     | 75.40                            | 5.35                                | 0.01                         |
| TCP Vegas    | 10     | 90.42                            | 4.85                                | 0.01                         |
| Verus        | 10     | 55.64                            | 12.86                               | 0.02                         |
| PCC-Vivace   | 10     | 57.20                            | 10.96                               | 0.18                         |
| WebRTC media | 10     | 2.36                             | 3.28                                | 0.02                         |

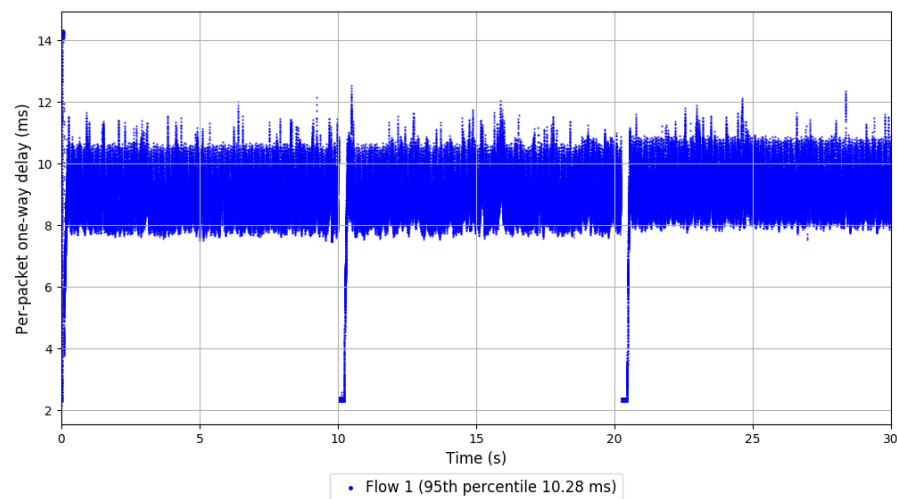
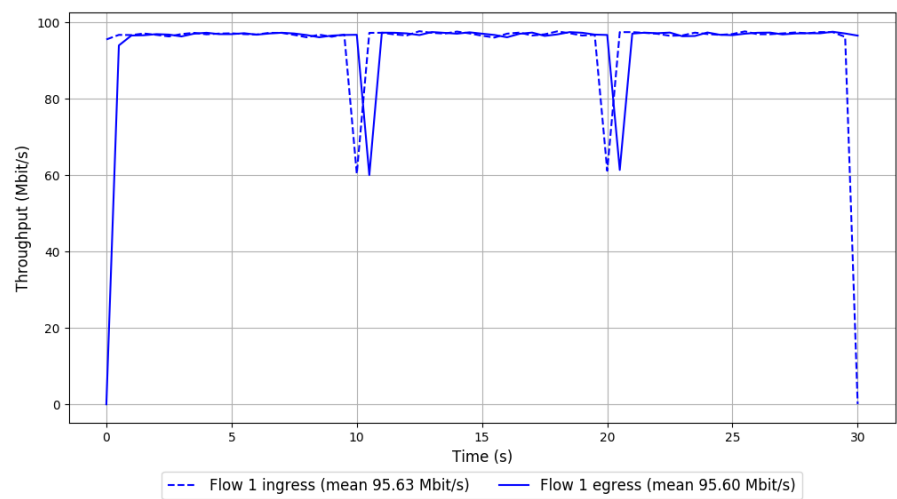
Run 1: Statistics of TCP BBR

Start at: 2018-08-22 11:17:47  
End at: 2018-08-22 11:18:17  
Local clock offset: -3.526 ms  
Remote clock offset: -2.258 ms

# Below is generated by plot.py at 2018-08-22 14:14:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.60 Mbit/s  
95th percentile per-packet one-way delay: 10.275 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 95.60 Mbit/s  
95th percentile per-packet one-way delay: 10.275 ms  
Loss rate: 0.05%



Run 1: Report of TCP BBR — Data Link

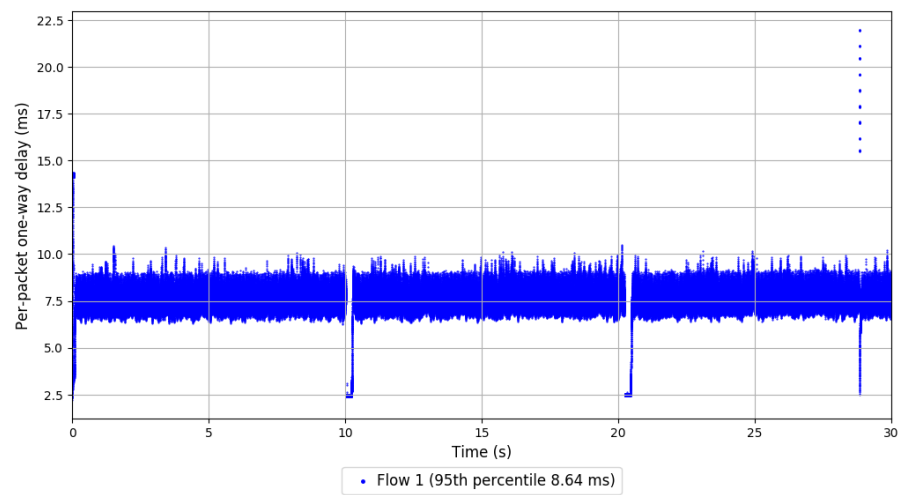
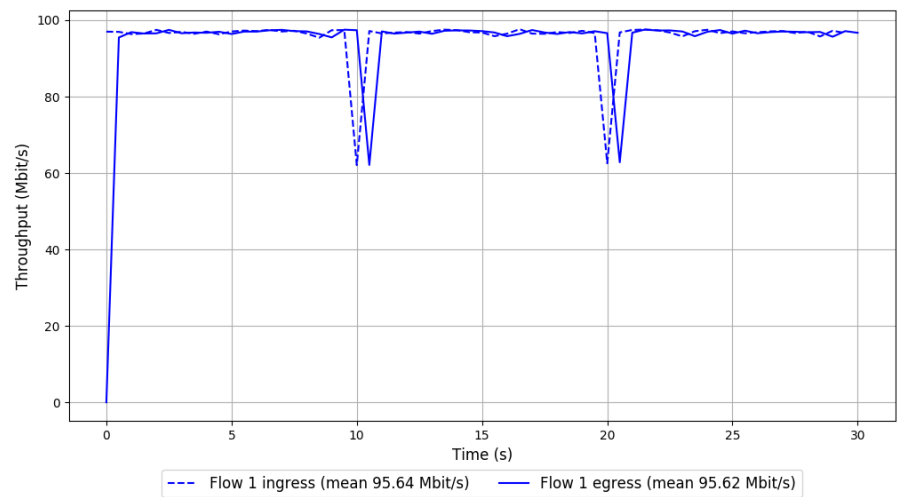


Run 2: Statistics of TCP BBR

Start at: 2018-08-22 11:36:47  
End at: 2018-08-22 11:37:17  
Local clock offset: -2.973 ms  
Remote clock offset: -6.354 ms

# Below is generated by plot.py at 2018-08-22 14:14:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.62 Mbit/s  
95th percentile per-packet one-way delay: 8.645 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 95.62 Mbit/s  
95th percentile per-packet one-way delay: 8.645 ms  
Loss rate: 0.03%

Run 2: Report of TCP BBR — Data Link

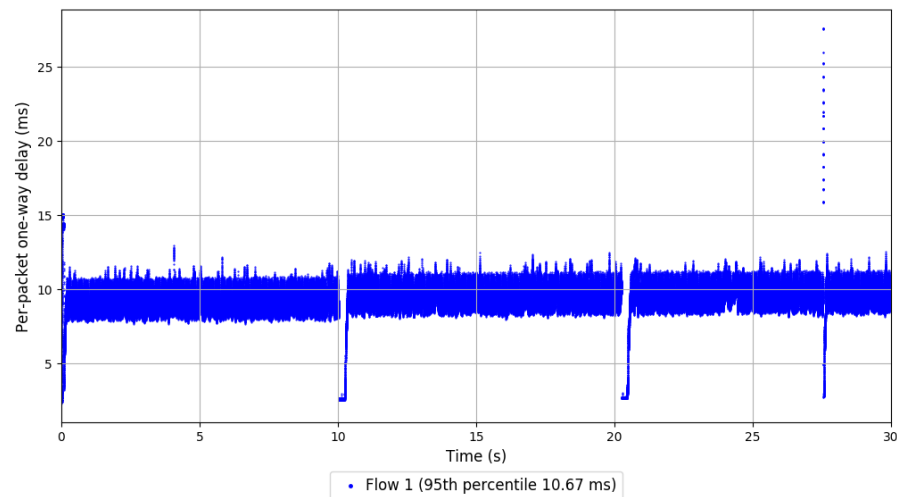
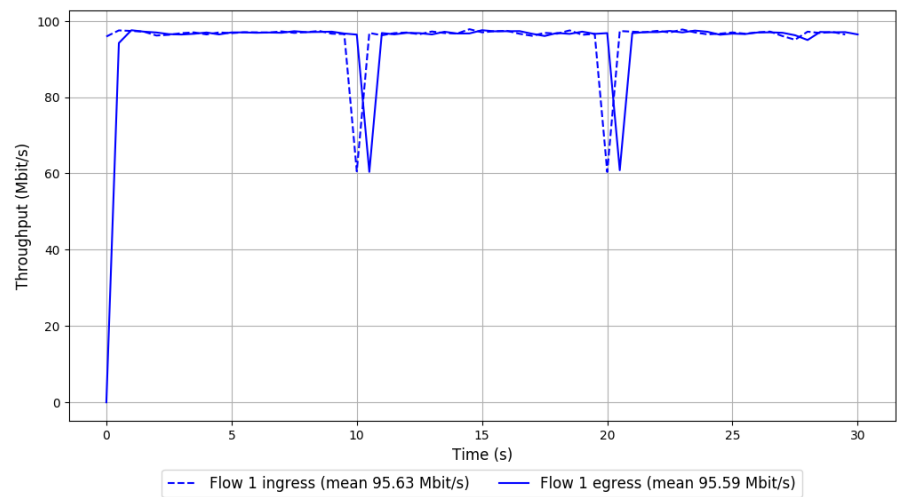


Run 3: Statistics of TCP BBR

Start at: 2018-08-22 11:55:47  
End at: 2018-08-22 11:56:17  
Local clock offset: -6.292 ms  
Remote clock offset: -6.125 ms

# Below is generated by plot.py at 2018-08-22 14:14:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 10.669 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 10.669 ms  
Loss rate: 0.05%

Run 3: Report of TCP BBR — Data Link

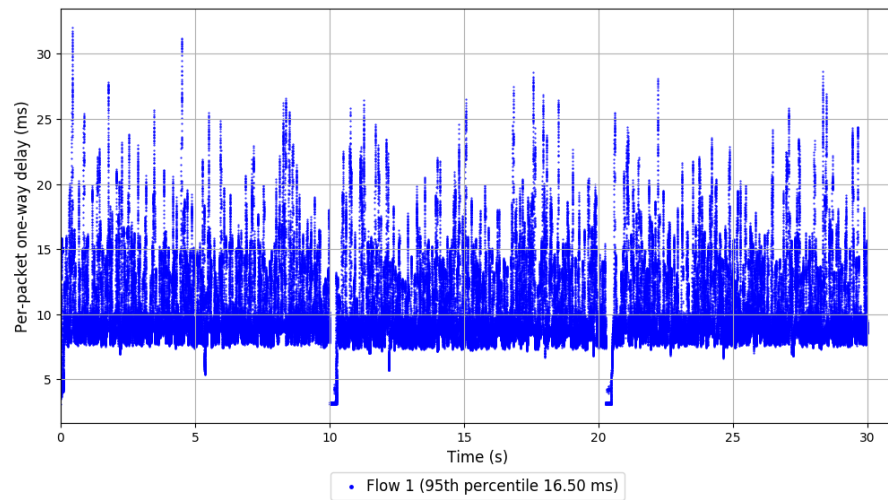
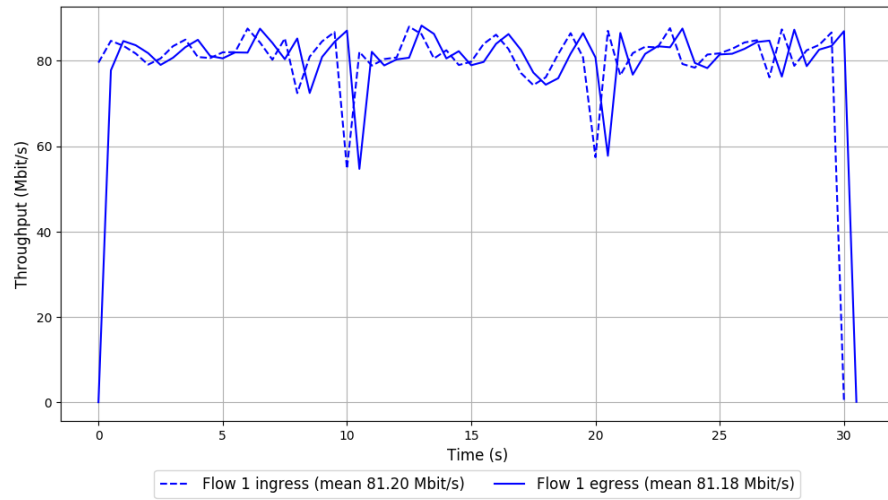


Run 4: Statistics of TCP BBR

Start at: 2018-08-22 12:14:45  
End at: 2018-08-22 12:15:15  
Local clock offset: -4.527 ms  
Remote clock offset: -1.875 ms

# Below is generated by plot.py at 2018-08-22 14:14:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.18 Mbit/s  
95th percentile per-packet one-way delay: 16.505 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 81.18 Mbit/s  
95th percentile per-packet one-way delay: 16.505 ms  
Loss rate: 0.03%

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



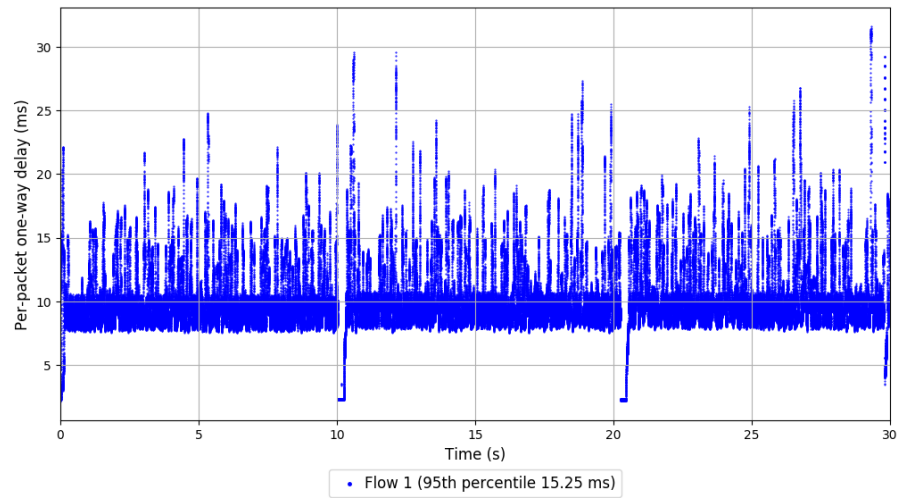
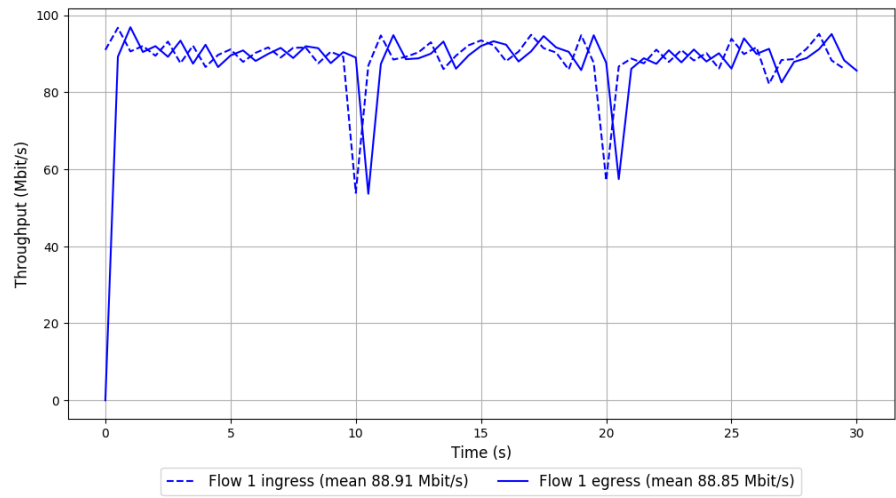
Run 5: Statistics of TCP BBR

Start at: 2018-08-22 12:33:34  
End at: 2018-08-22 12:34:04  
Local clock offset: -4.234 ms  
Remote clock offset: -2.208 ms

# Below is generated by plot.py at 2018-08-22 14:14:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.85 Mbit/s  
95th percentile per-packet one-way delay: 15.247 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 88.85 Mbit/s  
95th percentile per-packet one-way delay: 15.247 ms  
Loss rate: 0.08%



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

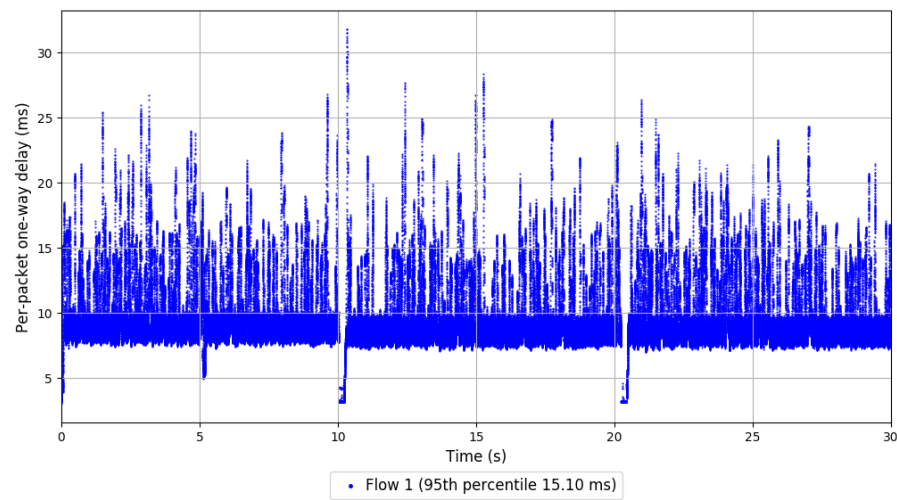
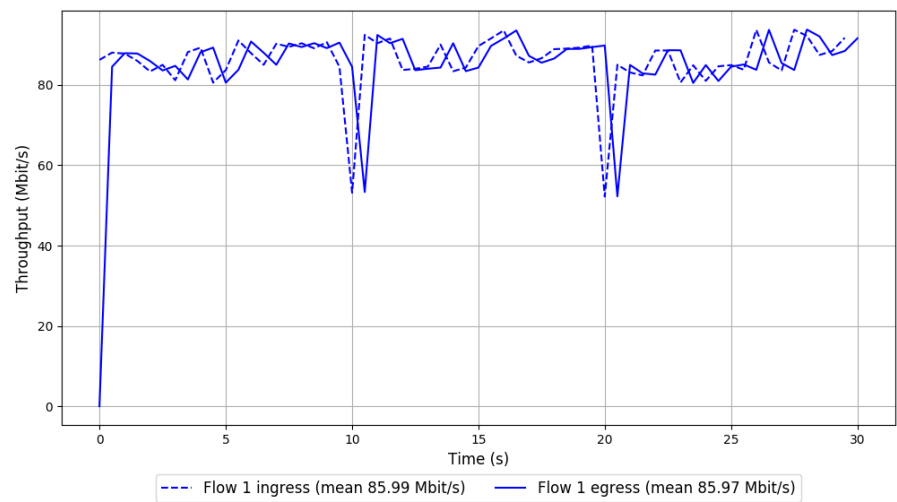


Run 6: Statistics of TCP BBR

Start at: 2018-08-22 12:52:29  
End at: 2018-08-22 12:52:59  
Local clock offset: -1.676 ms  
Remote clock offset: -3.353 ms

# Below is generated by plot.py at 2018-08-22 14:14:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.97 Mbit/s  
95th percentile per-packet one-way delay: 15.103 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 85.97 Mbit/s  
95th percentile per-packet one-way delay: 15.103 ms  
Loss rate: 0.04%

Run 6: Report of TCP BBR — Data Link

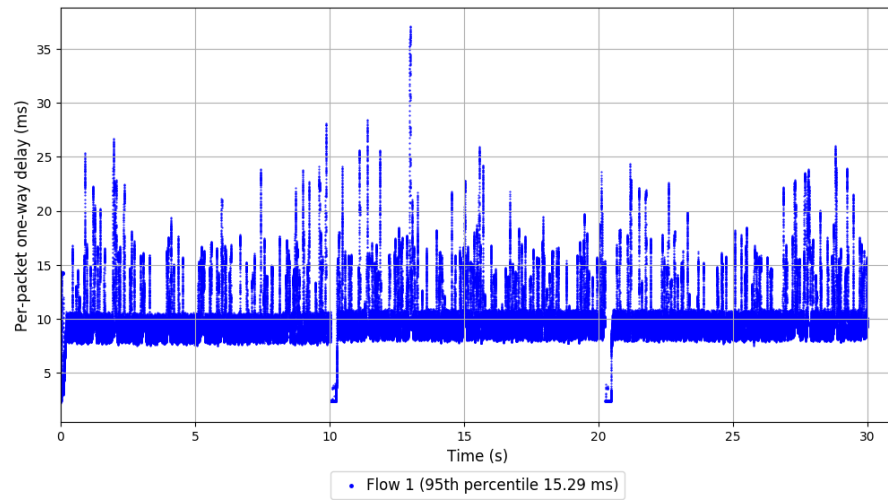
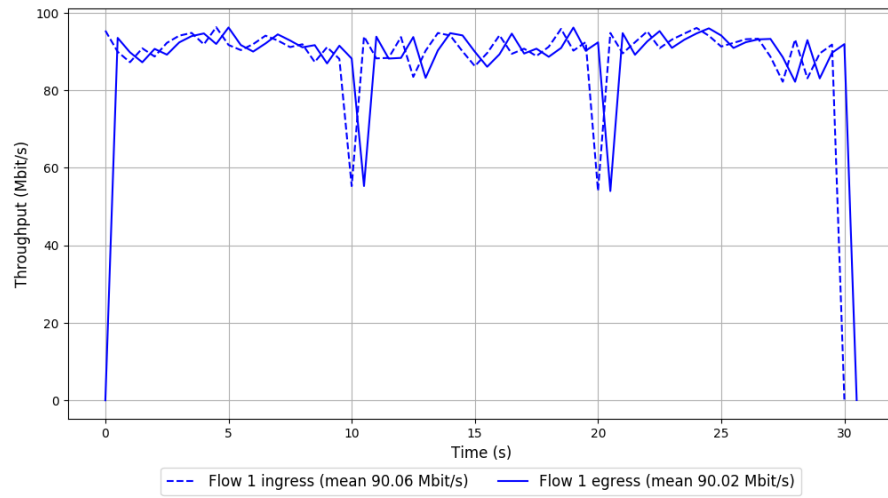


Run 7: Statistics of TCP BBR

Start at: 2018-08-22 13:11:23  
End at: 2018-08-22 13:11:53  
Local clock offset: -2.107 ms  
Remote clock offset: -3.329 ms

# Below is generated by plot.py at 2018-08-22 14:14:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.02 Mbit/s  
95th percentile per-packet one-way delay: 15.288 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 90.02 Mbit/s  
95th percentile per-packet one-way delay: 15.288 ms  
Loss rate: 0.06%

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

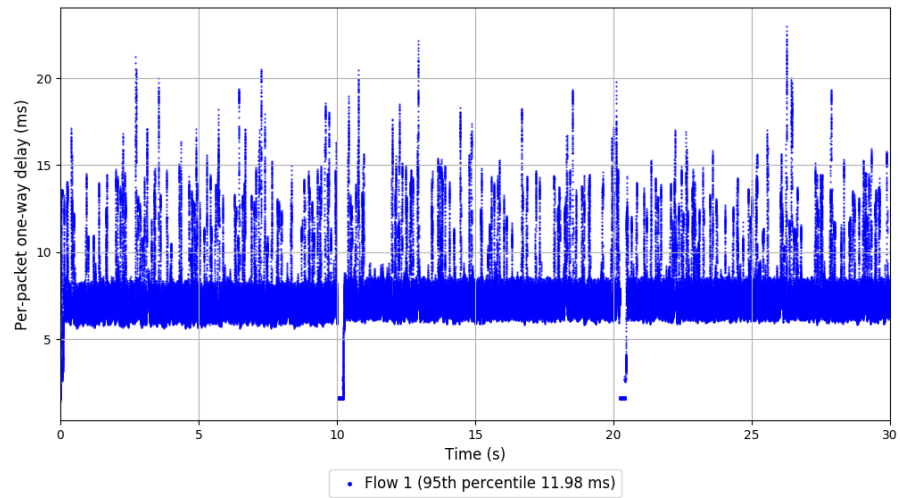
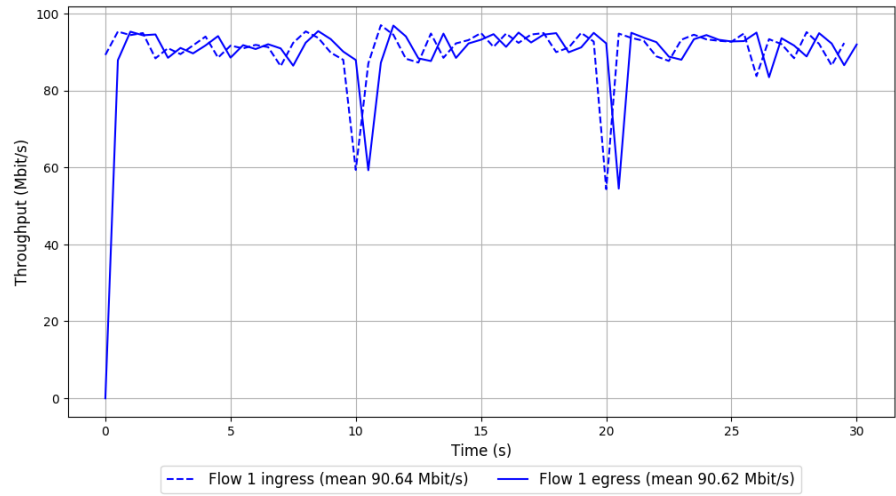


Run 8: Statistics of TCP BBR

Start at: 2018-08-22 13:30:19  
End at: 2018-08-22 13:30:49  
Local clock offset: -3.01 ms  
Remote clock offset: -3.318 ms

# Below is generated by plot.py at 2018-08-22 14:14:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.62 Mbit/s  
95th percentile per-packet one-way delay: 11.981 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 90.62 Mbit/s  
95th percentile per-packet one-way delay: 11.981 ms  
Loss rate: 0.03%

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



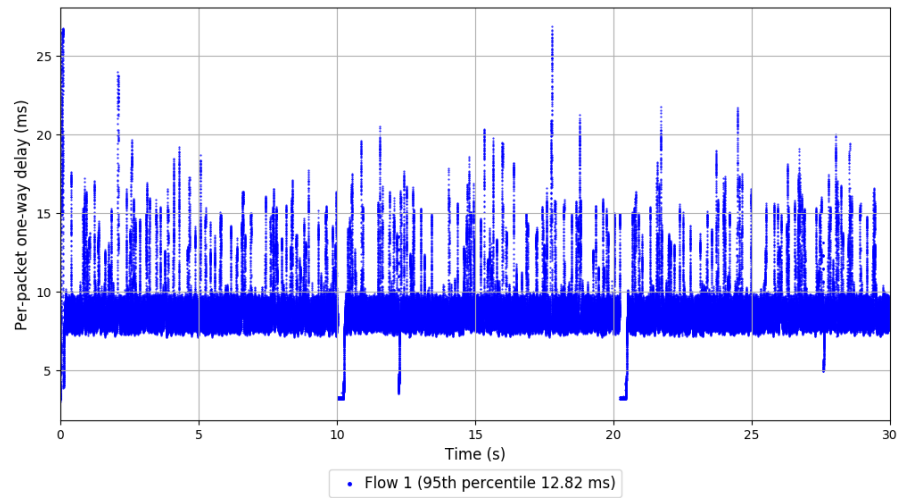
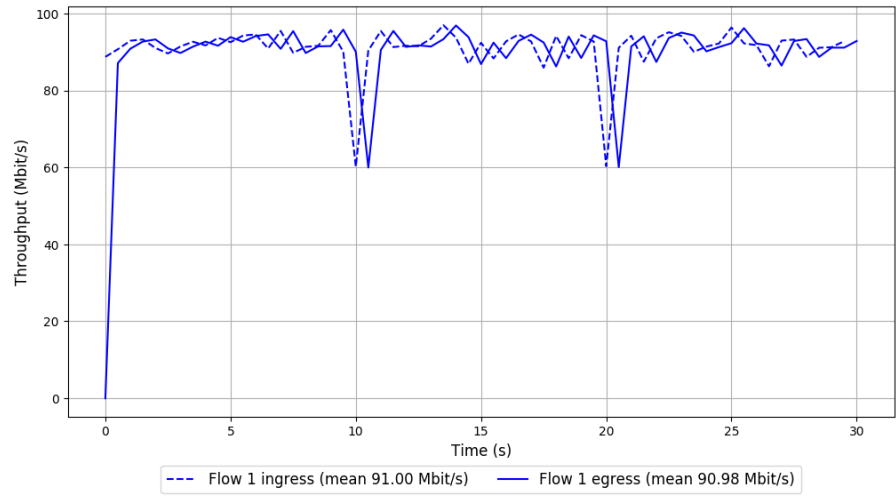
Run 9: Statistics of TCP BBR

Start at: 2018-08-22 13:49:13  
End at: 2018-08-22 13:49:43  
Local clock offset: -2.646 ms  
Remote clock offset: -2.671 ms

# Below is generated by plot.py at 2018-08-22 14:14:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.98 Mbit/s  
95th percentile per-packet one-way delay: 12.824 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 90.98 Mbit/s  
95th percentile per-packet one-way delay: 12.824 ms  
Loss rate: 0.03%



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

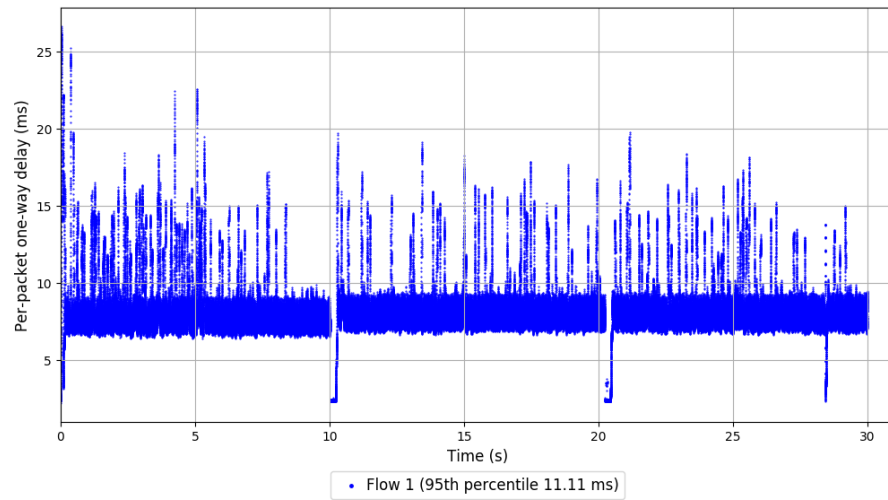
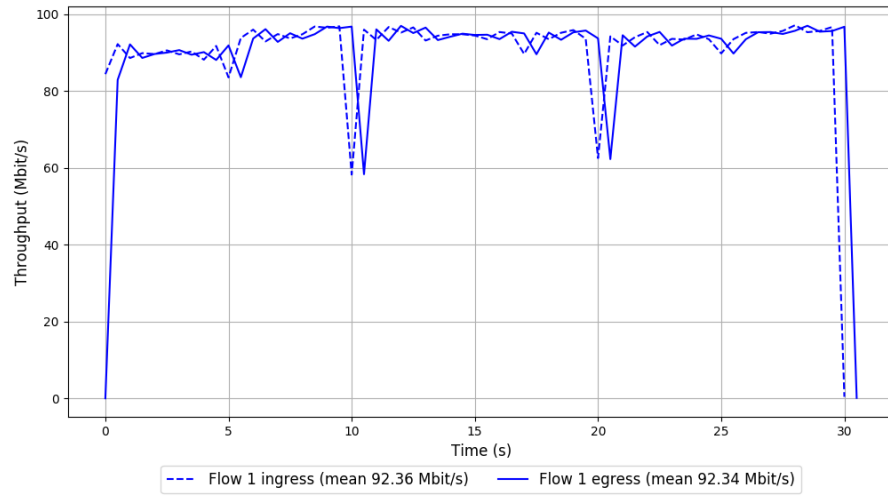


Run 10: Statistics of TCP BBR

Start at: 2018-08-22 14:08:09  
End at: 2018-08-22 14:08:39  
Local clock offset: -3.855 ms  
Remote clock offset: -2.308 ms

# Below is generated by plot.py at 2018-08-22 14:14:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.34 Mbit/s  
95th percentile per-packet one-way delay: 11.111 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 92.34 Mbit/s  
95th percentile per-packet one-way delay: 11.111 ms  
Loss rate: 0.03%

# Run 10: Report of TCP BBR — Data Link

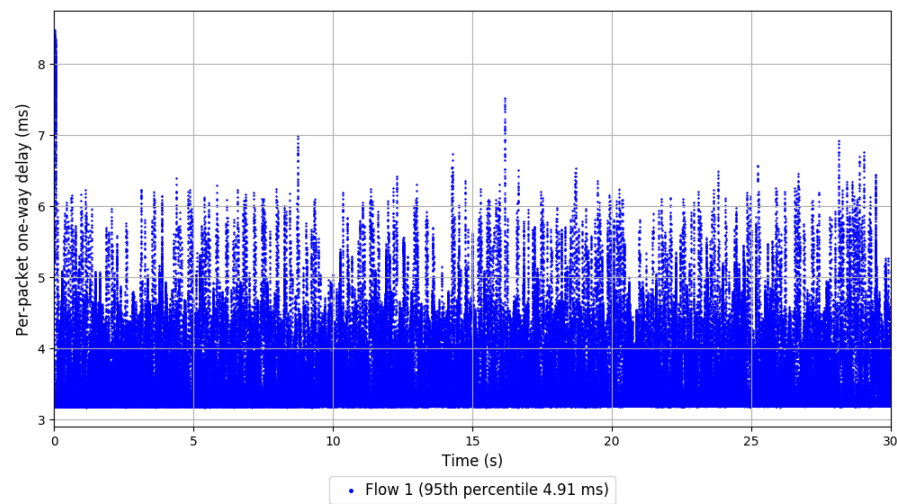
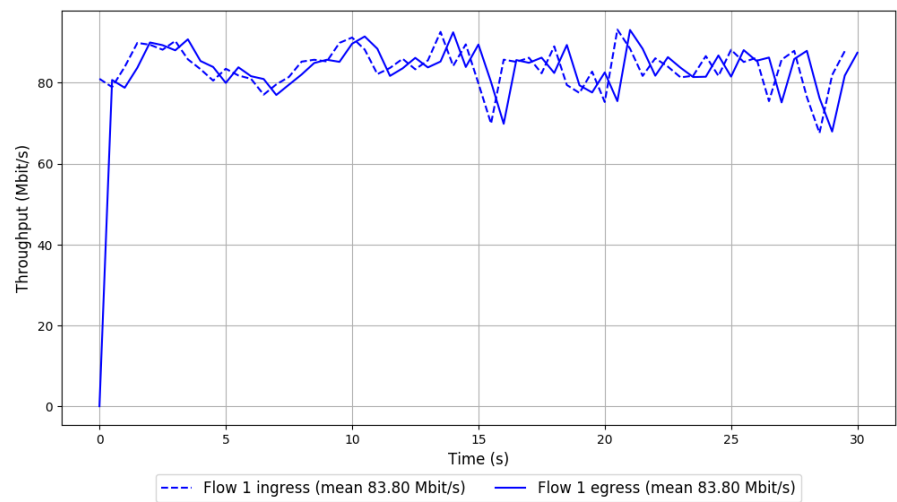


Run 1: Statistics of Copa

Start at: 2018-08-22 11:01:04  
End at: 2018-08-22 11:01:34  
Local clock offset: -4.051 ms  
Remote clock offset: -2.254 ms

# Below is generated by plot.py at 2018-08-22 14:15:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.80 Mbit/s  
95th percentile per-packet one-way delay: 4.913 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 83.80 Mbit/s  
95th percentile per-packet one-way delay: 4.913 ms  
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

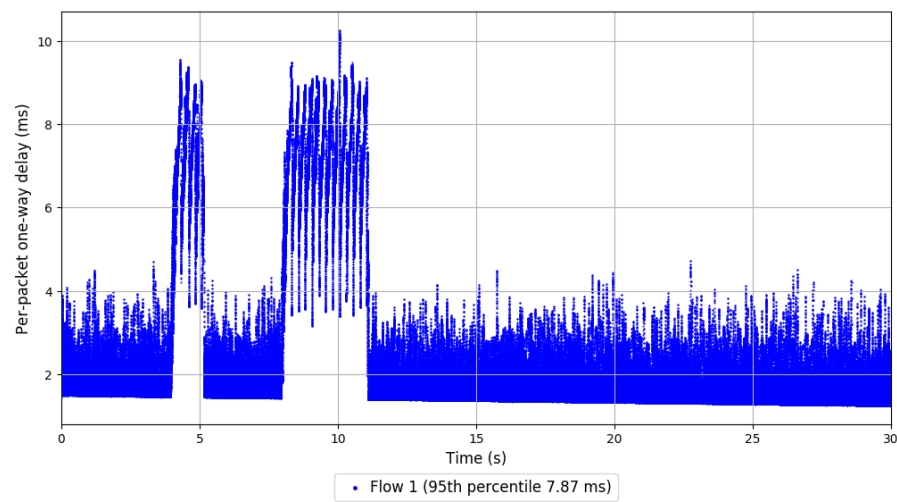
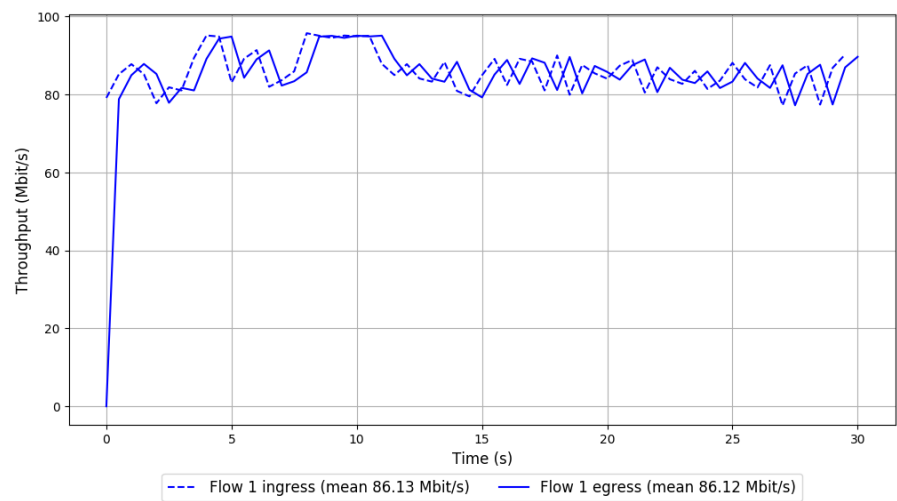


Run 2: Statistics of Copa

Start at: 2018-08-22 11:20:00  
End at: 2018-08-22 11:20:30  
Local clock offset: -4.143 ms  
Remote clock offset: -2.6 ms

# Below is generated by plot.py at 2018-08-22 14:15:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.12 Mbit/s  
95th percentile per-packet one-way delay: 7.869 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 86.12 Mbit/s  
95th percentile per-packet one-way delay: 7.869 ms  
Loss rate: 0.02%

Run 2: Report of Copa — Data Link



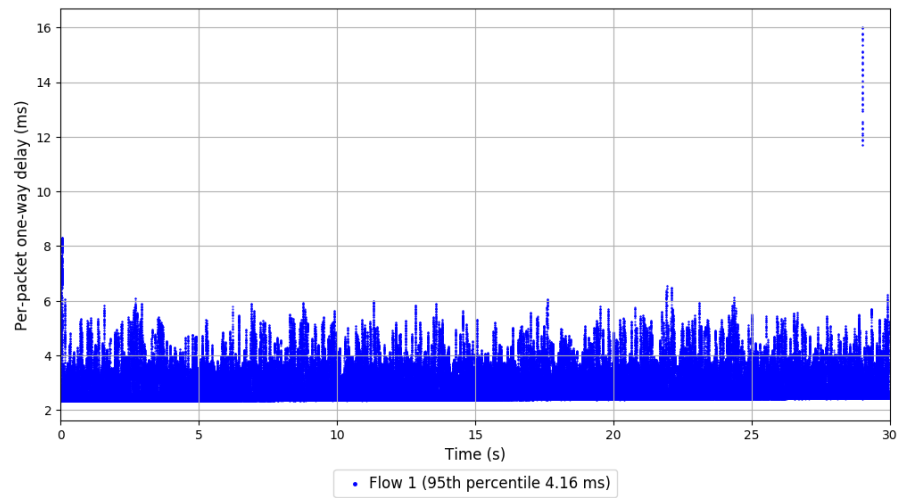
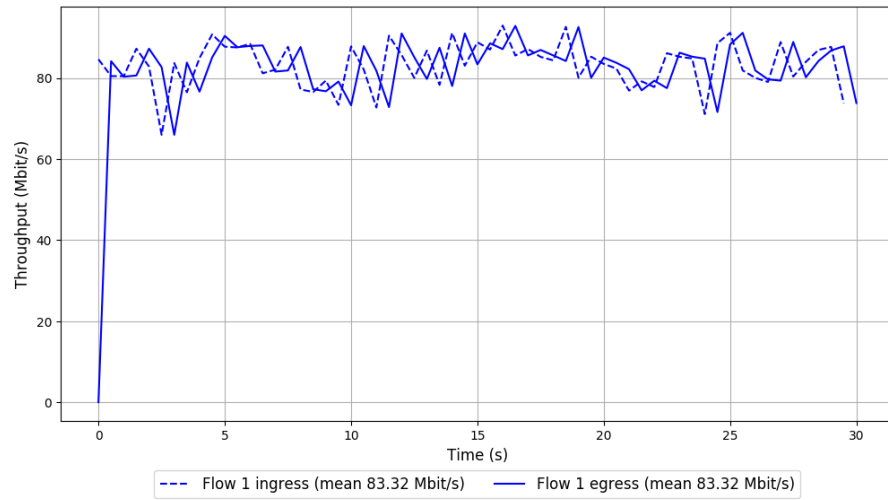
Run 3: Statistics of Copa

Start at: 2018-08-22 11:39:00  
End at: 2018-08-22 11:39:30  
Local clock offset: -3.711 ms  
Remote clock offset: -6.548 ms

# Below is generated by plot.py at 2018-08-22 14:15:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.32 Mbit/s  
95th percentile per-packet one-way delay: 4.156 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 83.32 Mbit/s  
95th percentile per-packet one-way delay: 4.156 ms  
Loss rate: 0.01%



### Run 3: Report of Copa — Data Link

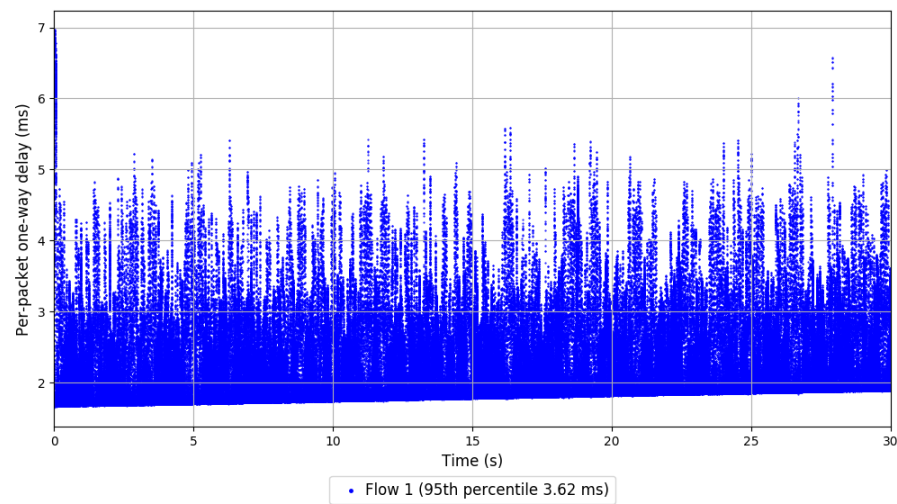
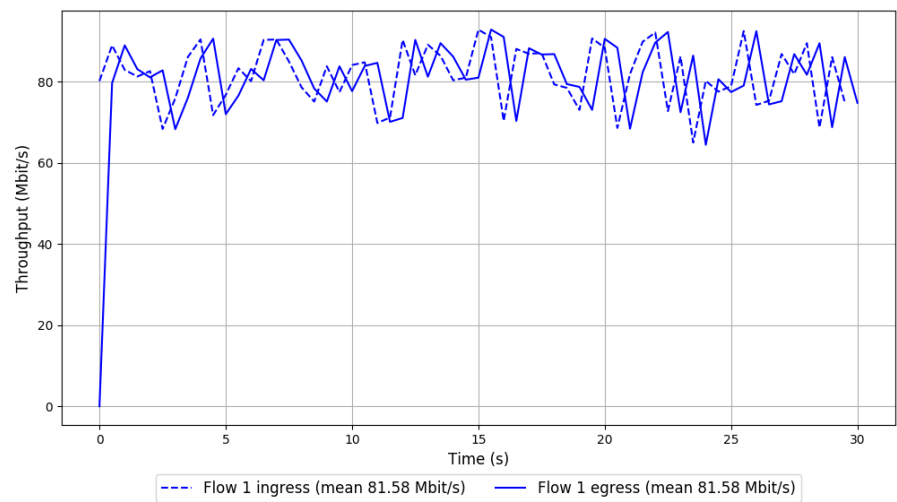


Run 4: Statistics of Copa

Start at: 2018-08-22 11:57:59  
End at: 2018-08-22 11:58:29  
Local clock offset: -7.232 ms  
Remote clock offset: -5.107 ms

# Below is generated by plot.py at 2018-08-22 14:15:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.58 Mbit/s  
95th percentile per-packet one-way delay: 3.620 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 81.58 Mbit/s  
95th percentile per-packet one-way delay: 3.620 ms  
Loss rate: 0.01%

Run 4: Report of Copa — Data Link

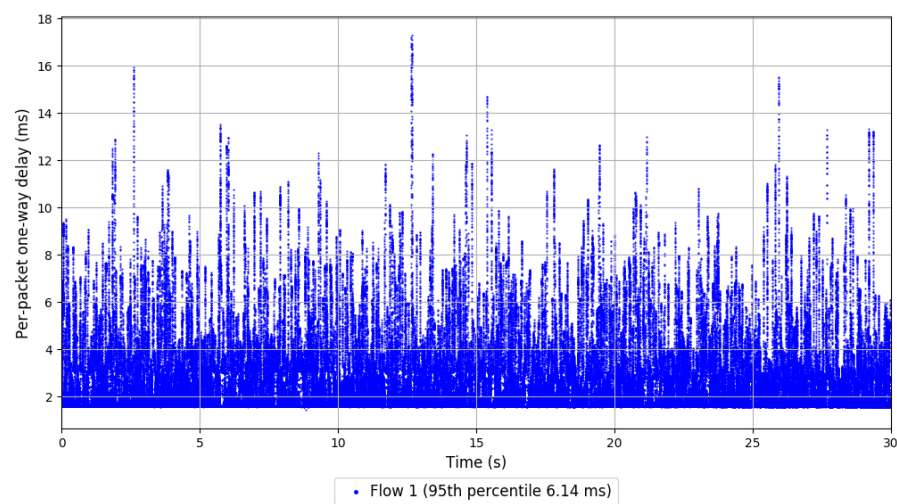
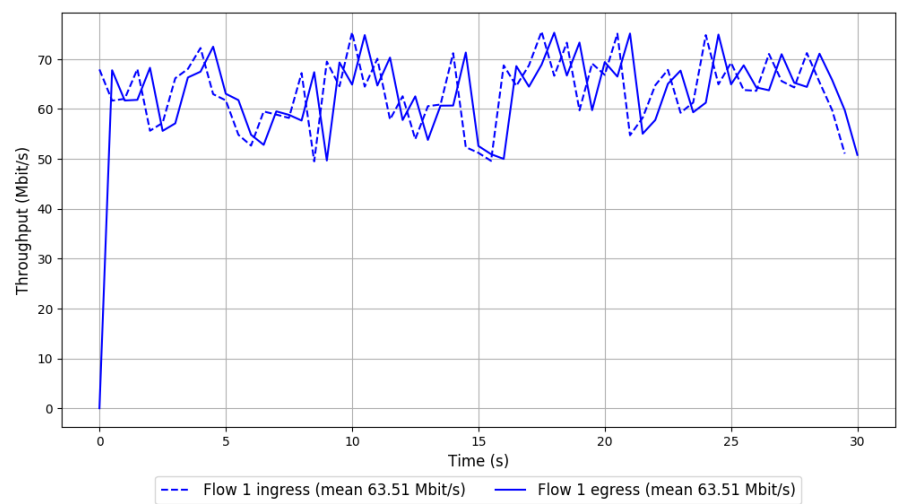


Run 5: Statistics of Copa

Start at: 2018-08-22 12:16:57  
End at: 2018-08-22 12:17:27  
Local clock offset: -5.779 ms  
Remote clock offset: -1.681 ms

# Below is generated by plot.py at 2018-08-22 14:15:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.51 Mbit/s  
95th percentile per-packet one-way delay: 6.142 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 63.51 Mbit/s  
95th percentile per-packet one-way delay: 6.142 ms  
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

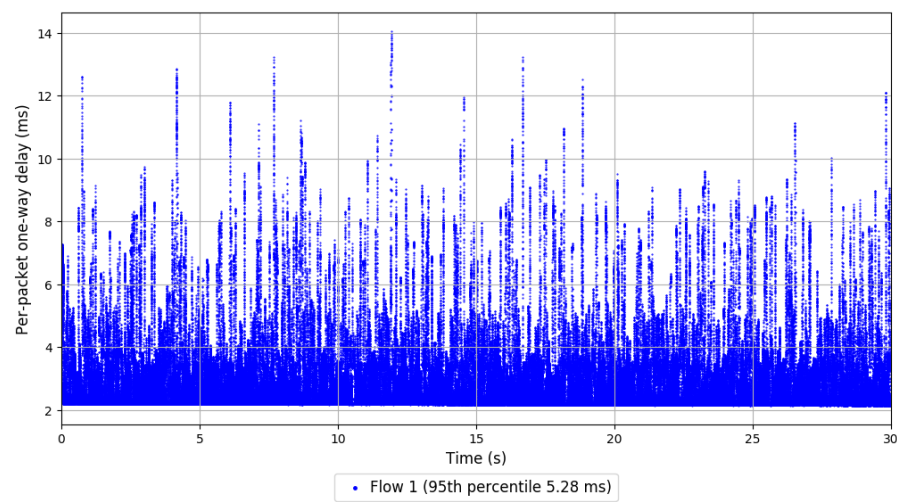
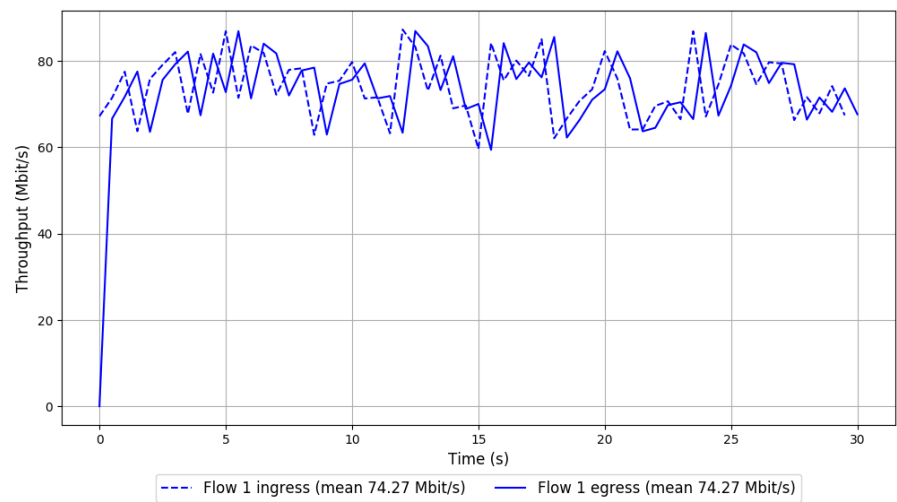


Run 6: Statistics of Copa

Start at: 2018-08-22 12:35:47  
End at: 2018-08-22 12:36:17  
Local clock offset: -4.195 ms  
Remote clock offset: -2.435 ms

# Below is generated by plot.py at 2018-08-22 14:15:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.27 Mbit/s  
95th percentile per-packet one-way delay: 5.280 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 74.27 Mbit/s  
95th percentile per-packet one-way delay: 5.280 ms  
Loss rate: 0.01%

Run 6: Report of Copa — Data Link



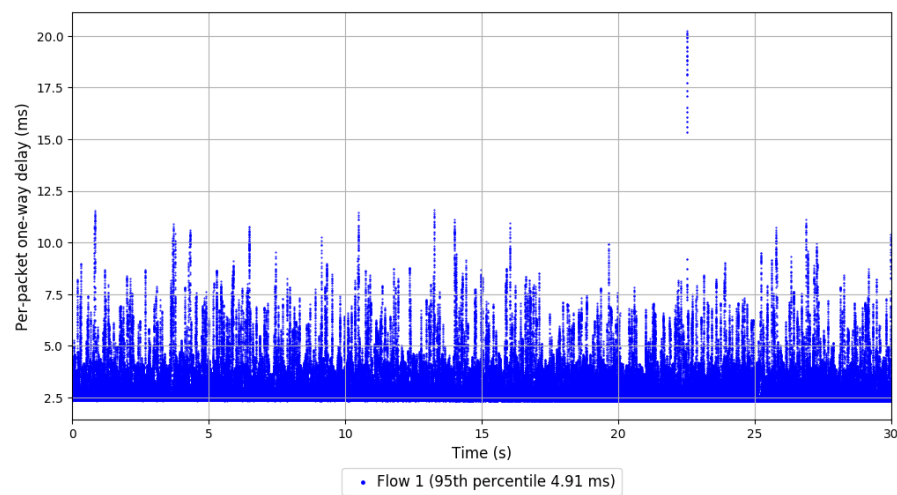
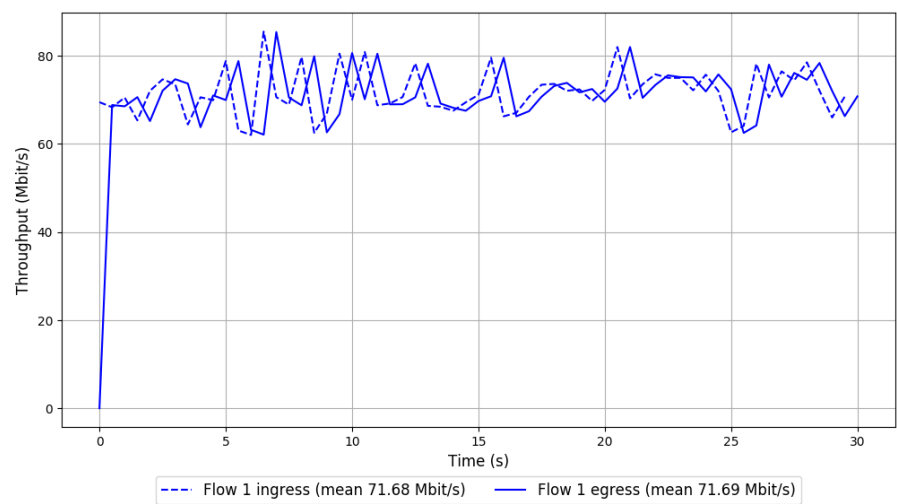
Run 7: Statistics of Copa

Start at: 2018-08-22 12:54:42  
End at: 2018-08-22 12:55:12  
Local clock offset: -2.333 ms  
Remote clock offset: -3.373 ms

# Below is generated by plot.py at 2018-08-22 14:16:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.69 Mbit/s  
95th percentile per-packet one-way delay: 4.914 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 71.69 Mbit/s  
95th percentile per-packet one-way delay: 4.914 ms  
Loss rate: 0.01%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-22 13:13:36

End at: 2018-08-22 13:14:06

Local clock offset: -2.932 ms

Remote clock offset: -3.4 ms

# Below is generated by plot.py at 2018-08-22 14:16:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.60 Mbit/s

95th percentile per-packet one-way delay: 3.814 ms

Loss rate: 0.02%

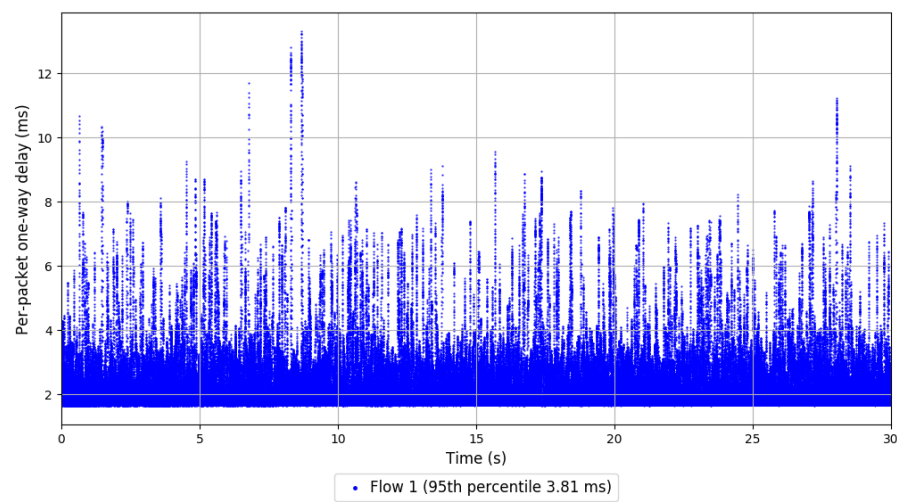
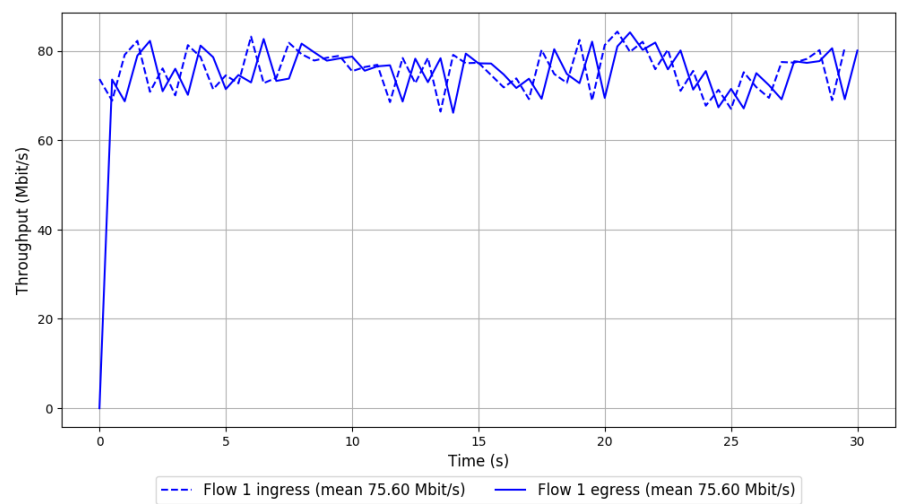
-- Flow 1:

Average throughput: 75.60 Mbit/s

95th percentile per-packet one-way delay: 3.814 ms

Loss rate: 0.02%

Run 8: Report of Copa — Data Link

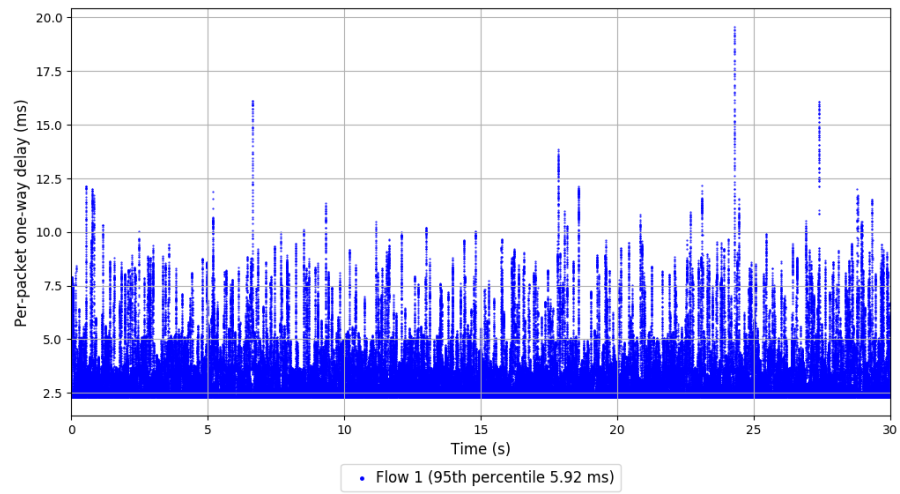
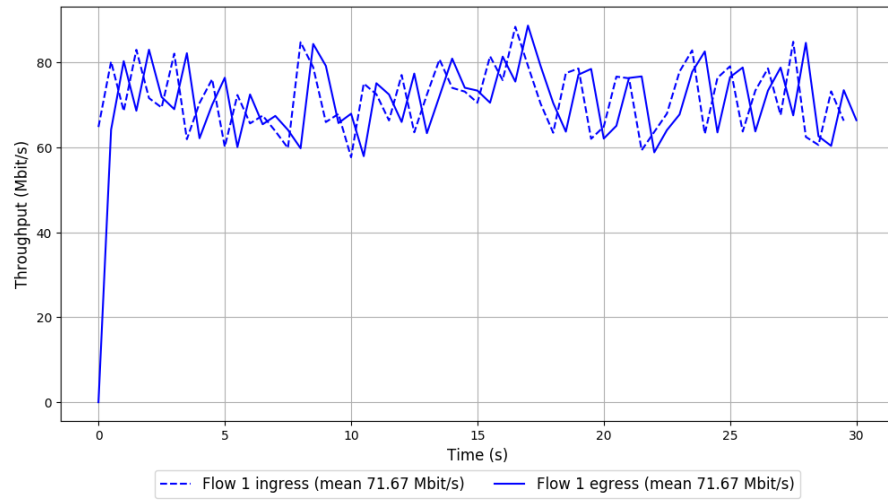


Run 9: Statistics of Copa

Start at: 2018-08-22 13:32:32  
End at: 2018-08-22 13:33:02  
Local clock offset: -2.167 ms  
Remote clock offset: -3.278 ms

# Below is generated by plot.py at 2018-08-22 14:16:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.67 Mbit/s  
95th percentile per-packet one-way delay: 5.920 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 71.67 Mbit/s  
95th percentile per-packet one-way delay: 5.920 ms  
Loss rate: 0.01%

### Run 9: Report of Copa — Data Link

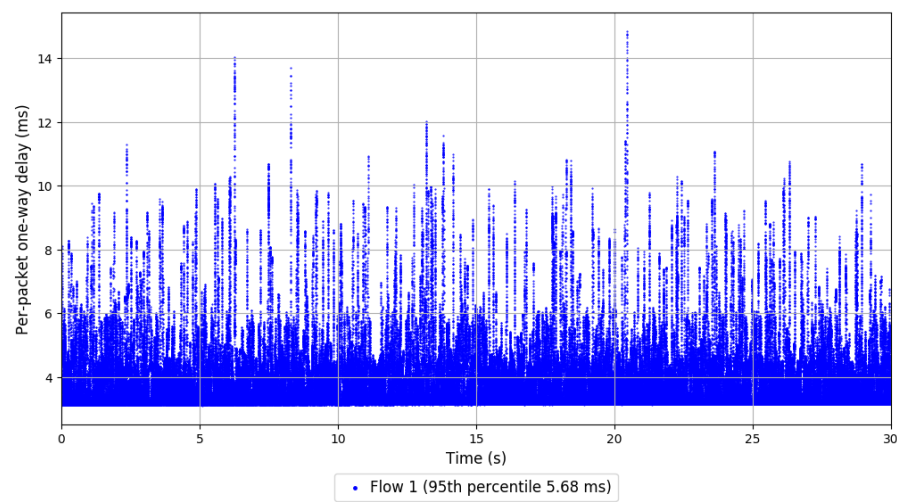
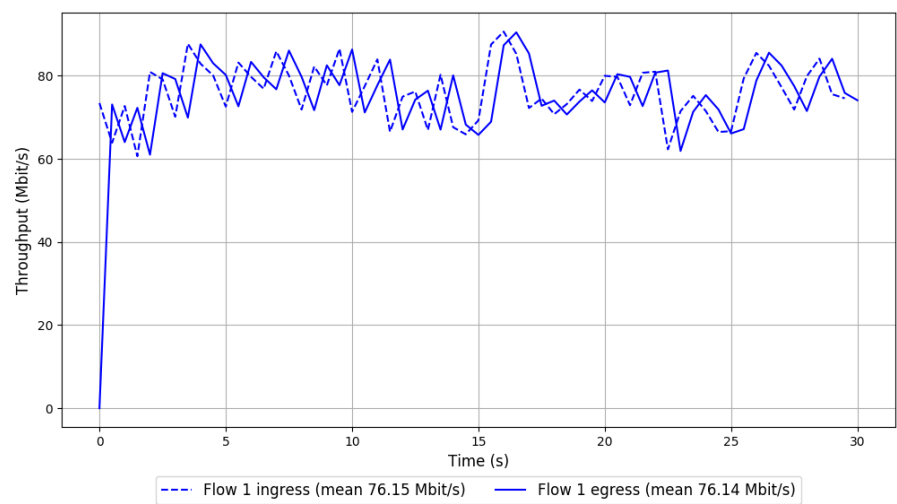


Run 10: Statistics of Copa

Start at: 2018-08-22 13:51:26  
End at: 2018-08-22 13:51:56  
Local clock offset: -2.749 ms  
Remote clock offset: -2.622 ms

# Below is generated by plot.py at 2018-08-22 14:17:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.14 Mbit/s  
95th percentile per-packet one-way delay: 5.678 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 76.14 Mbit/s  
95th percentile per-packet one-way delay: 5.678 ms  
Loss rate: 0.02%

Run 10: Report of Copa — Data Link



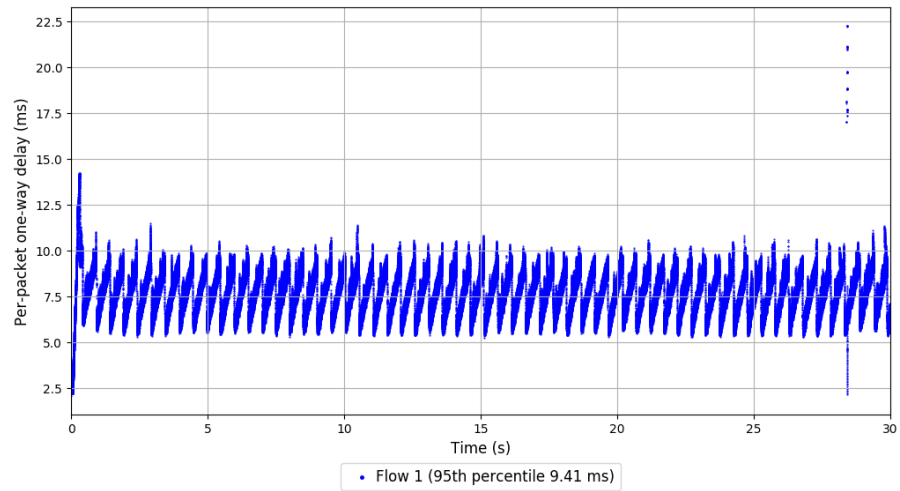
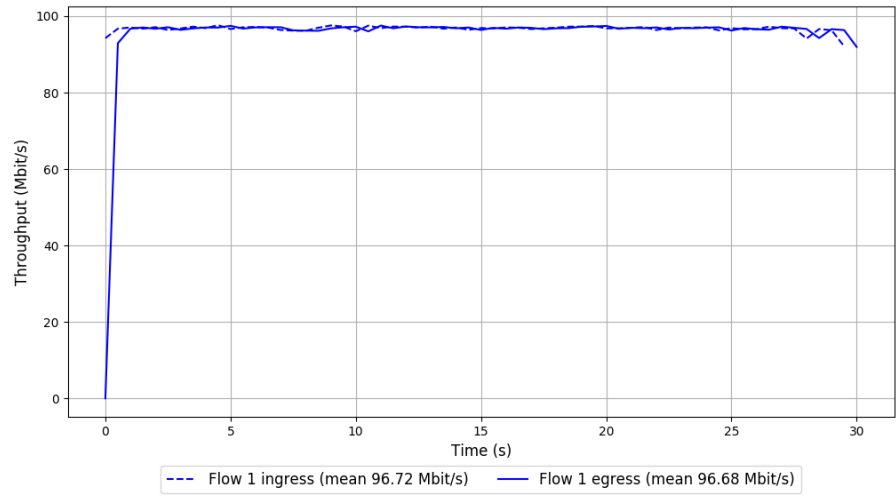
Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 11:09:59  
End at: 2018-08-22 11:10:29  
Local clock offset: -4.474 ms  
Remote clock offset: -2.291 ms

# Below is generated by plot.py at 2018-08-22 14:17:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.68 Mbit/s  
95th percentile per-packet one-way delay: 9.406 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 96.68 Mbit/s  
95th percentile per-packet one-way delay: 9.406 ms  
Loss rate: 0.05%



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

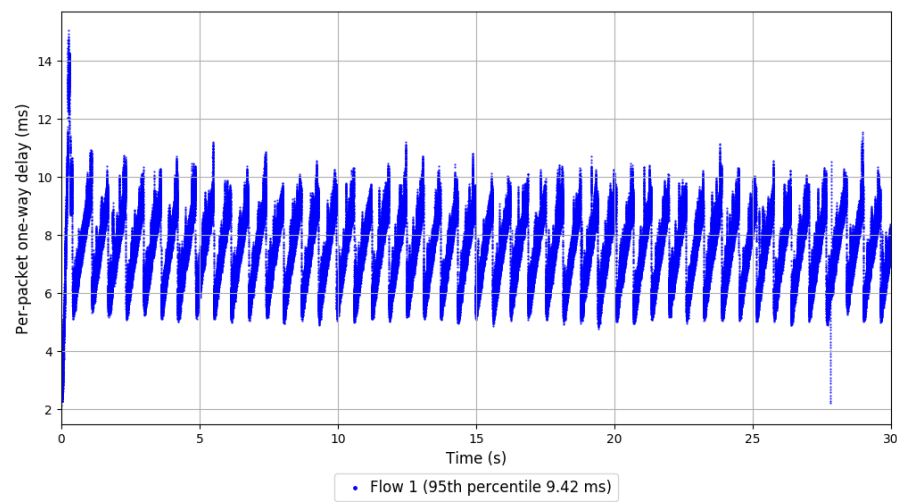
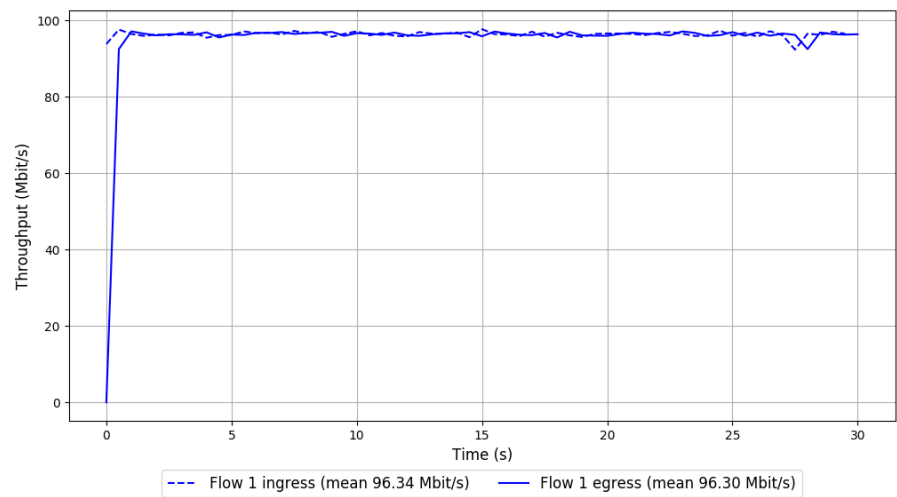


Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 11:28:58  
End at: 2018-08-22 11:29:28  
Local clock offset: -3.093 ms  
Remote clock offset: -5.317 ms

# Below is generated by plot.py at 2018-08-22 14:17:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 9.421 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 9.421 ms  
Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 11:47:58

End at: 2018-08-22 11:48:28

Local clock offset: -5.501 ms

Remote clock offset: -7.19 ms

# Below is generated by plot.py at 2018-08-22 14:17:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 9.705 ms

Loss rate: 0.05%

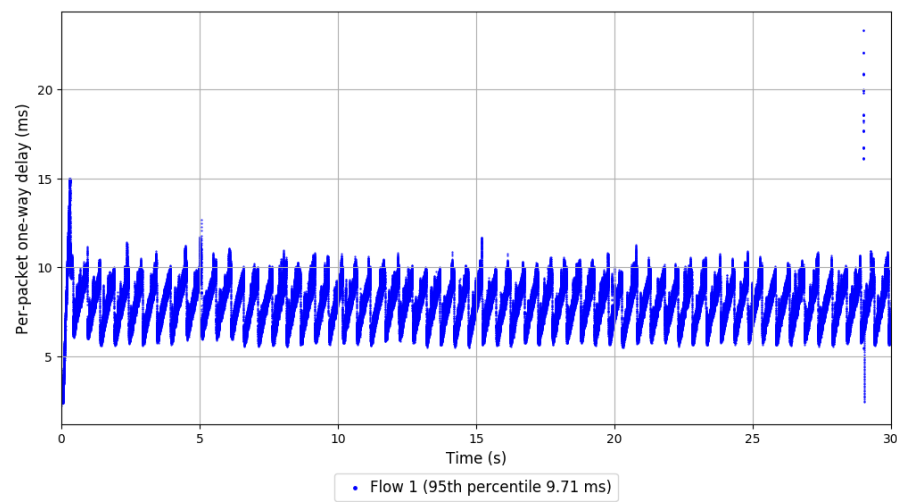
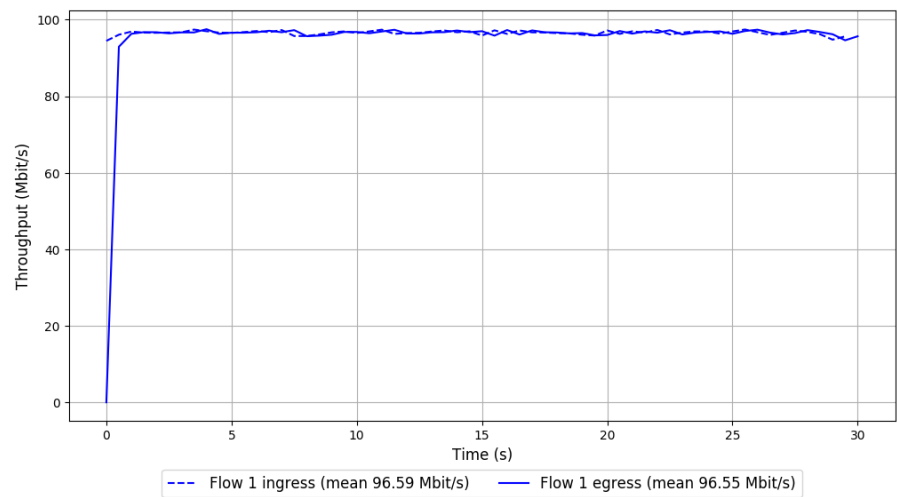
-- Flow 1:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 9.705 ms

Loss rate: 0.05%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 12:06:58

End at: 2018-08-22 12:07:28

Local clock offset: -6.202 ms

Remote clock offset: -2.77 ms

# Below is generated by plot.py at 2018-08-22 14:17:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 10.493 ms

Loss rate: 0.05%

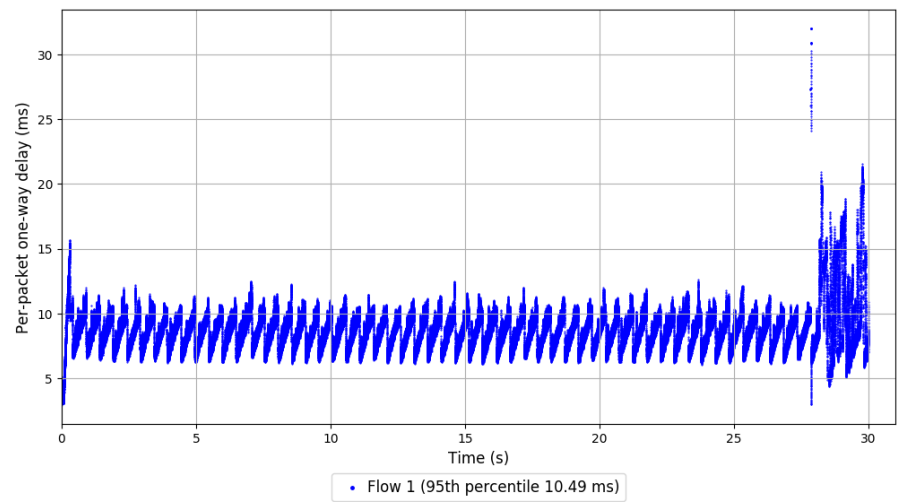
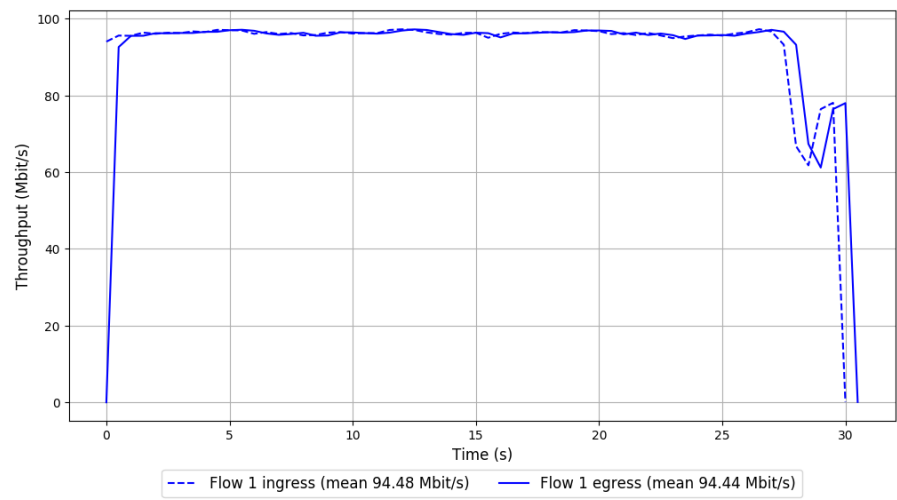
-- Flow 1:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 10.493 ms

Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link



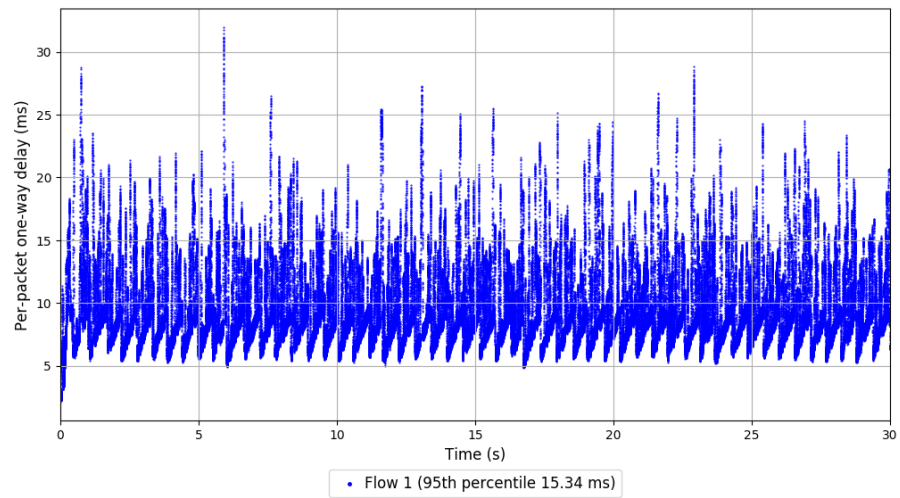
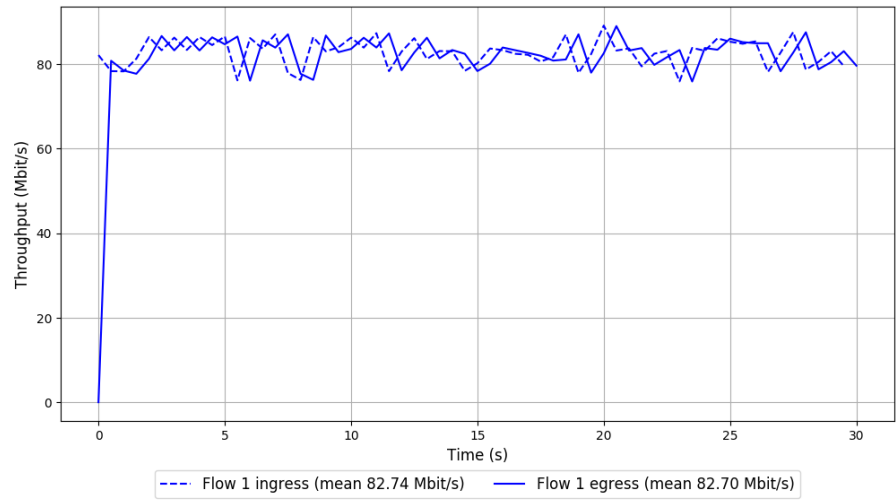
Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 12:25:48  
End at: 2018-08-22 12:26:18  
Local clock offset: -4.463 ms  
Remote clock offset: -1.077 ms

# Below is generated by plot.py at 2018-08-22 14:17:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.70 Mbit/s  
95th percentile per-packet one-way delay: 15.340 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 82.70 Mbit/s  
95th percentile per-packet one-way delay: 15.340 ms  
Loss rate: 0.05%



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

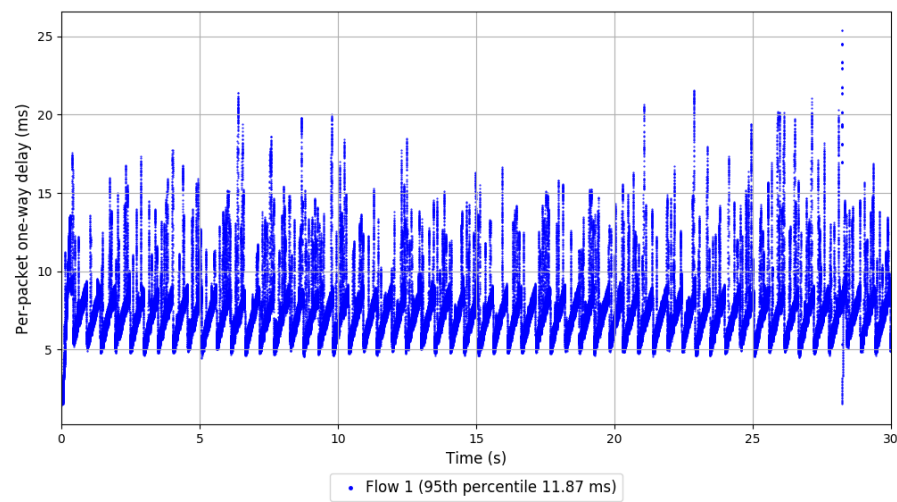
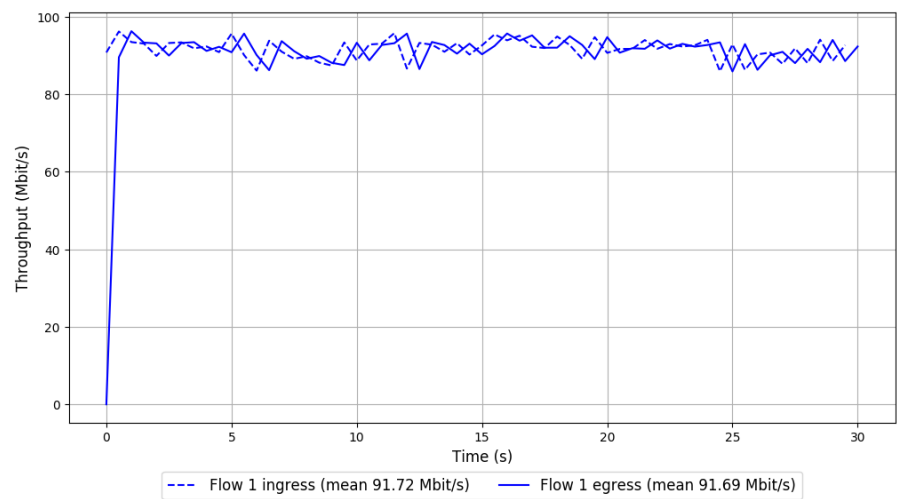


Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 12:44:42  
End at: 2018-08-22 12:45:12  
Local clock offset: -3.799 ms  
Remote clock offset: -3.121 ms

# Below is generated by plot.py at 2018-08-22 14:17:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.69 Mbit/s  
95th percentile per-packet one-way delay: 11.873 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 91.69 Mbit/s  
95th percentile per-packet one-way delay: 11.873 ms  
Loss rate: 0.05%

Run 6: Report of TCP Cubic — Data Link

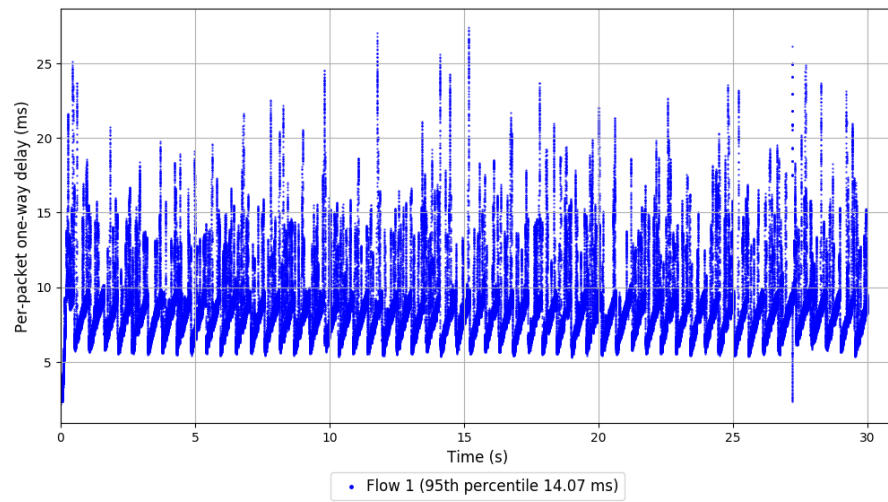
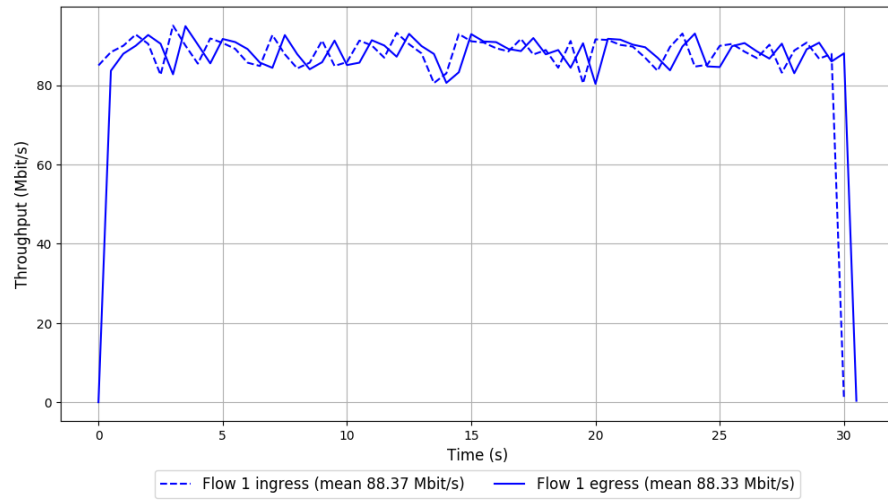


Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 13:03:36  
End at: 2018-08-22 13:04:06  
Local clock offset: -1.987 ms  
Remote clock offset: -3.323 ms

# Below is generated by plot.py at 2018-08-22 14:17:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.33 Mbit/s  
95th percentile per-packet one-way delay: 14.074 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 88.33 Mbit/s  
95th percentile per-packet one-way delay: 14.074 ms  
Loss rate: 0.06%

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



Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 13:22:32

End at: 2018-08-22 13:23:02

Local clock offset: -1.465 ms

Remote clock offset: -3.32 ms

# Below is generated by plot.py at 2018-08-22 14:17:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.35 Mbit/s

95th percentile per-packet one-way delay: 13.806 ms

Loss rate: 0.05%

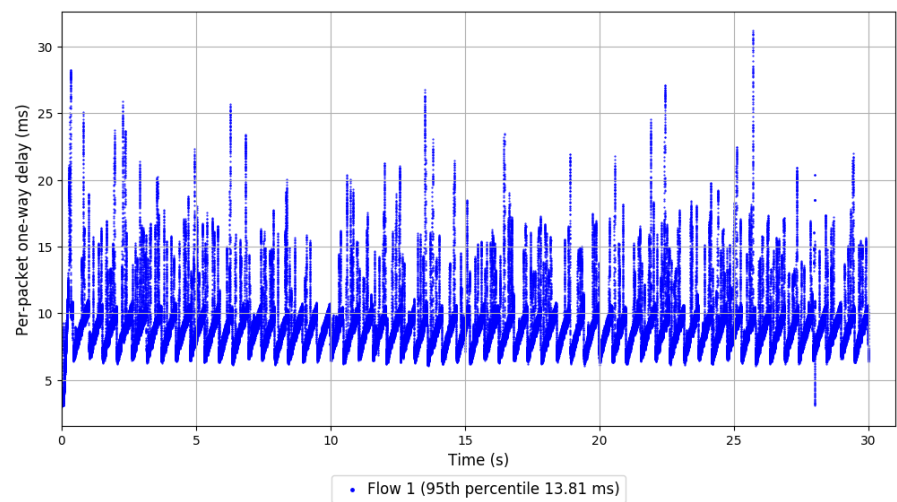
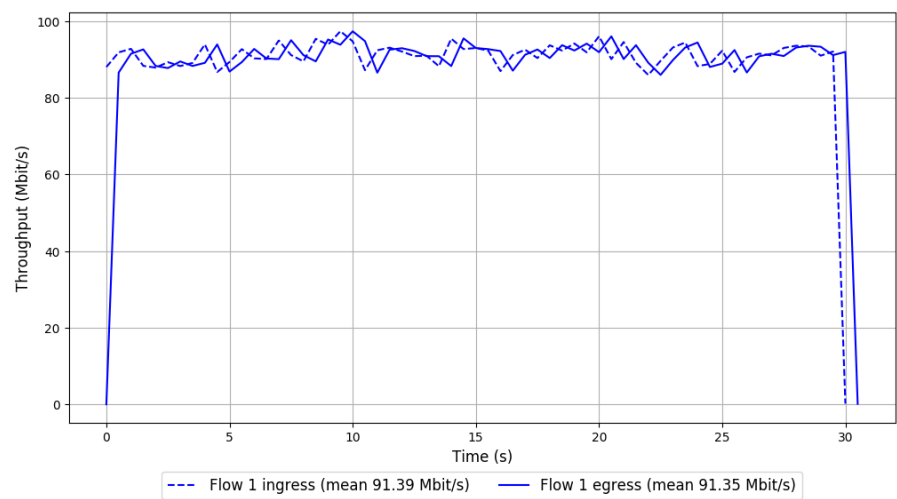
-- Flow 1:

Average throughput: 91.35 Mbit/s

95th percentile per-packet one-way delay: 13.806 ms

Loss rate: 0.05%

Run 8: Report of TCP Cubic — Data Link



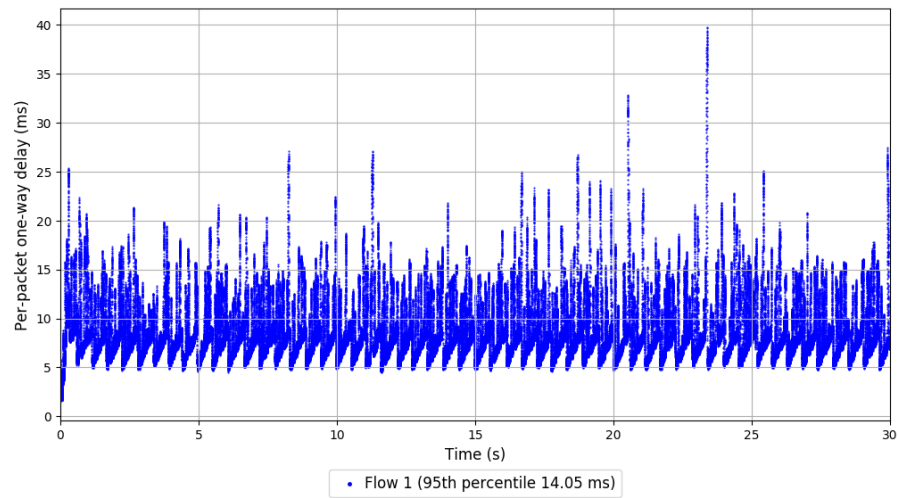
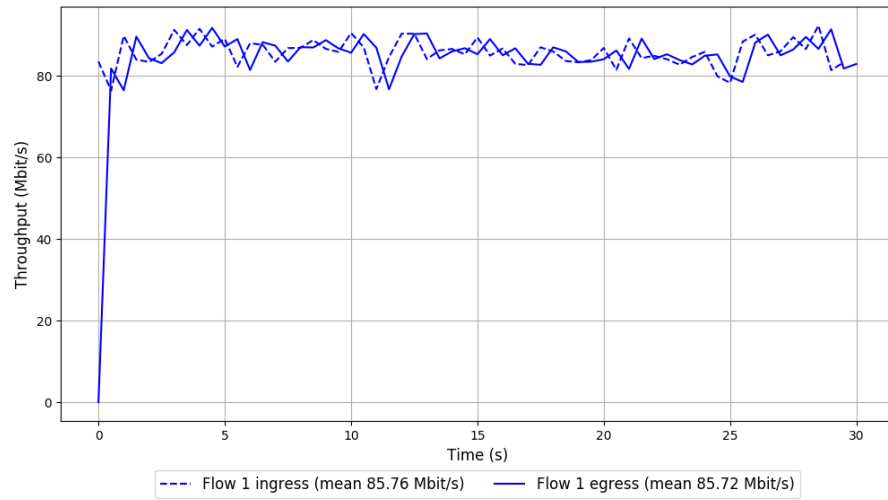
Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 13:41:26  
End at: 2018-08-22 13:41:56  
Local clock offset: -3.588 ms  
Remote clock offset: -2.986 ms

# Below is generated by plot.py at 2018-08-22 14:17:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.72 Mbit/s  
95th percentile per-packet one-way delay: 14.049 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 85.72 Mbit/s  
95th percentile per-packet one-way delay: 14.049 ms  
Loss rate: 0.06%



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

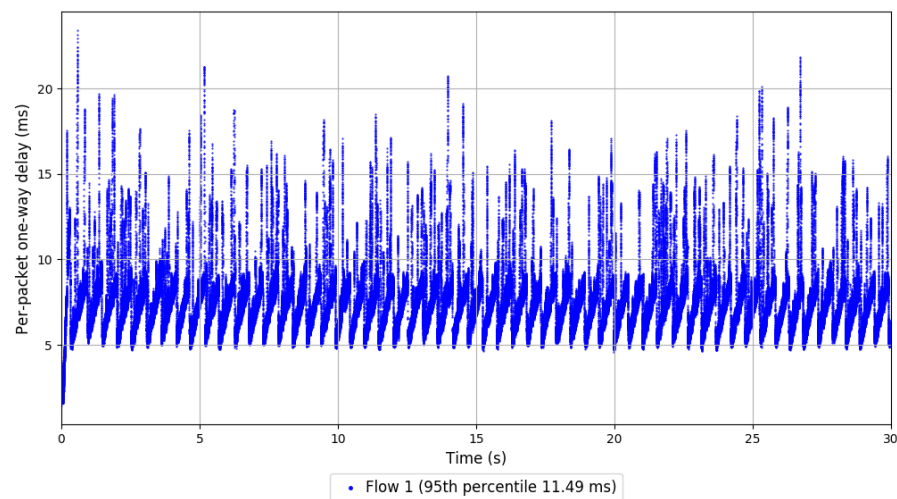
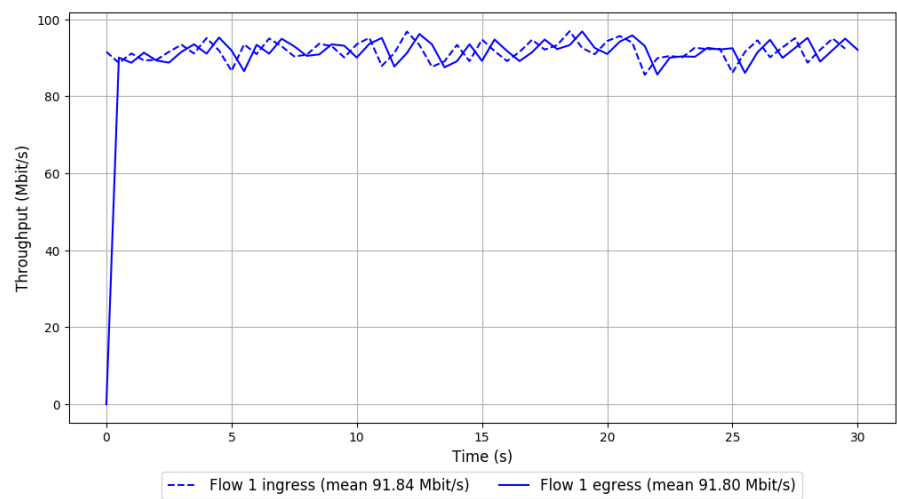


Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 14:00:21  
End at: 2018-08-22 14:00:51  
Local clock offset: -4.536 ms  
Remote clock offset: -2.412 ms

# Below is generated by plot.py at 2018-08-22 14:17:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.80 Mbit/s  
95th percentile per-packet one-way delay: 11.488 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 91.80 Mbit/s  
95th percentile per-packet one-way delay: 11.488 ms  
Loss rate: 0.05%

Run 10: Report of TCP Cubic — Data Link

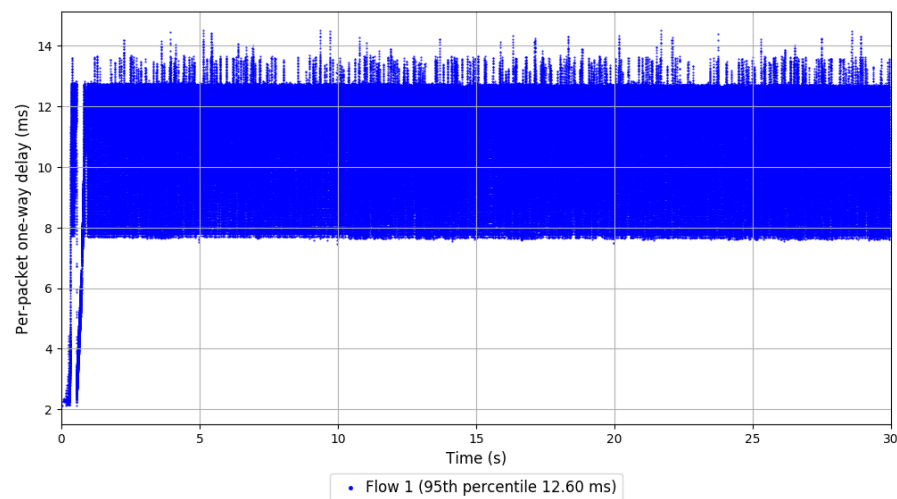
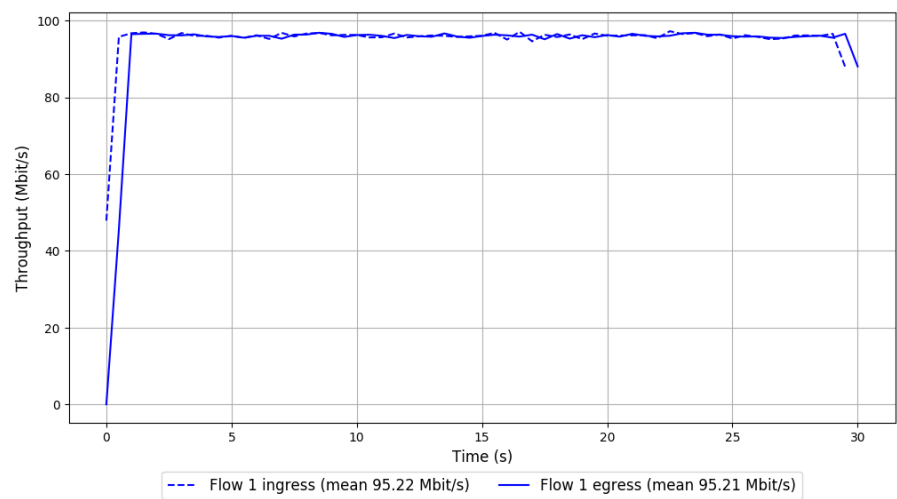


Run 1: Statistics of FillP

Start at: 2018-08-22 11:12:14  
End at: 2018-08-22 11:12:44  
Local clock offset: -4.121 ms  
Remote clock offset: -2.316 ms

# Below is generated by plot.py at 2018-08-22 14:18:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.21 Mbit/s  
95th percentile per-packet one-way delay: 12.601 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 95.21 Mbit/s  
95th percentile per-packet one-way delay: 12.601 ms  
Loss rate: 0.04%

Run 1: Report of FillP — Data Link

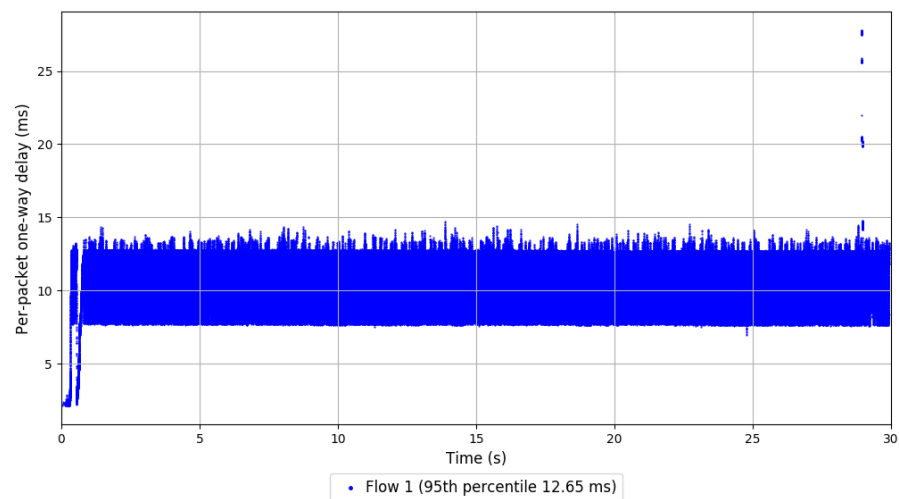
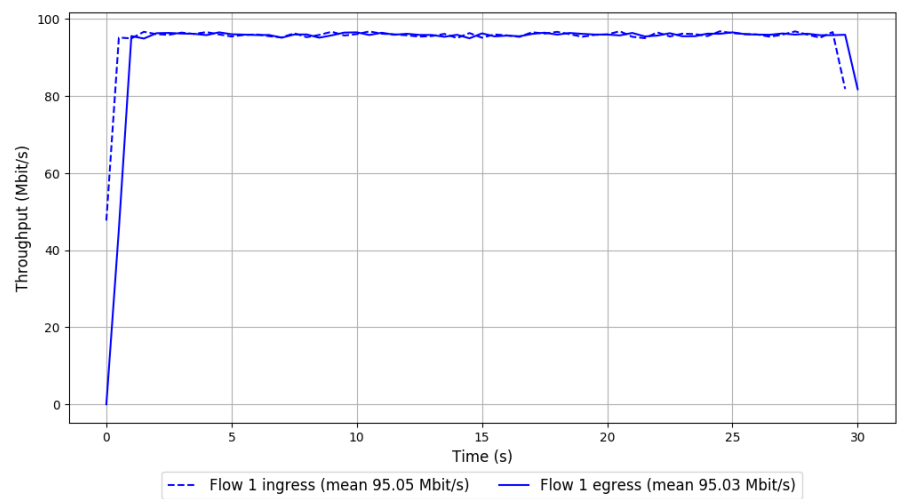


Run 2: Statistics of FillP

Start at: 2018-08-22 11:31:14  
End at: 2018-08-22 11:31:44  
Local clock offset: -2.988 ms  
Remote clock offset: -5.653 ms

# Below is generated by plot.py at 2018-08-22 14:18:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.03 Mbit/s  
95th percentile per-packet one-way delay: 12.646 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 95.03 Mbit/s  
95th percentile per-packet one-way delay: 12.646 ms  
Loss rate: 0.04%

Run 2: Report of FillP — Data Link



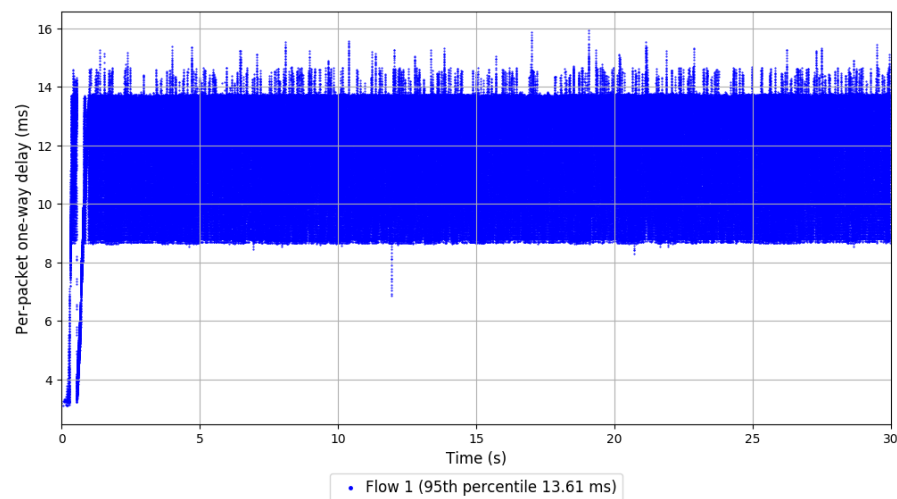
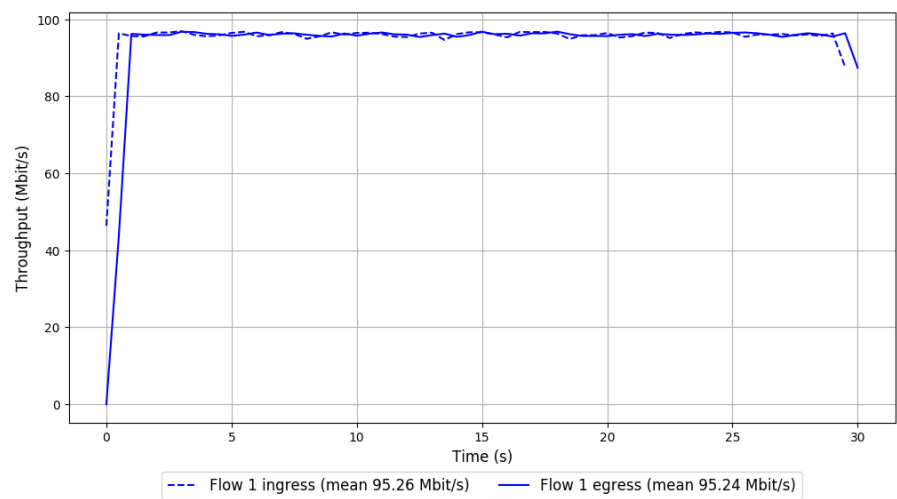
Run 3: Statistics of FillP

Start at: 2018-08-22 11:50:14  
End at: 2018-08-22 11:50:44  
Local clock offset: -5.01 ms  
Remote clock offset: -7.403 ms

# Below is generated by plot.py at 2018-08-22 14:18:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.24 Mbit/s  
95th percentile per-packet one-way delay: 13.613 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 95.24 Mbit/s  
95th percentile per-packet one-way delay: 13.613 ms  
Loss rate: 0.04%



Run 3: Report of FillP — Data Link

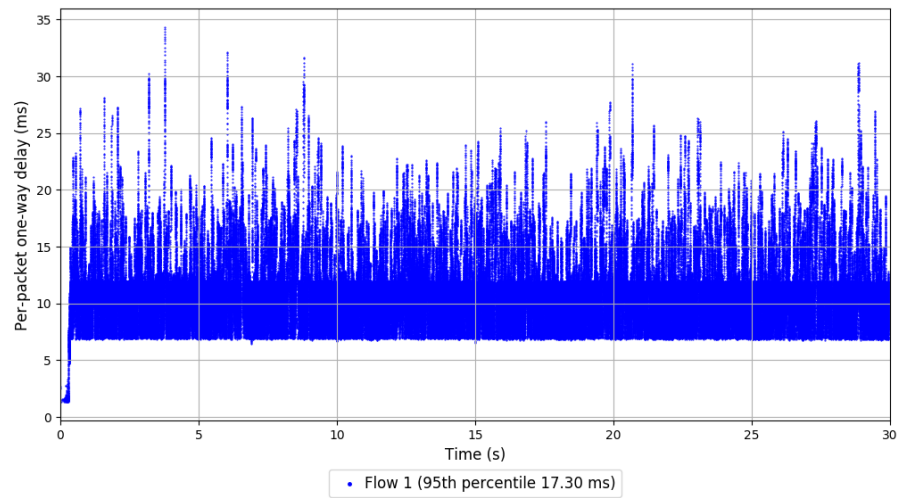
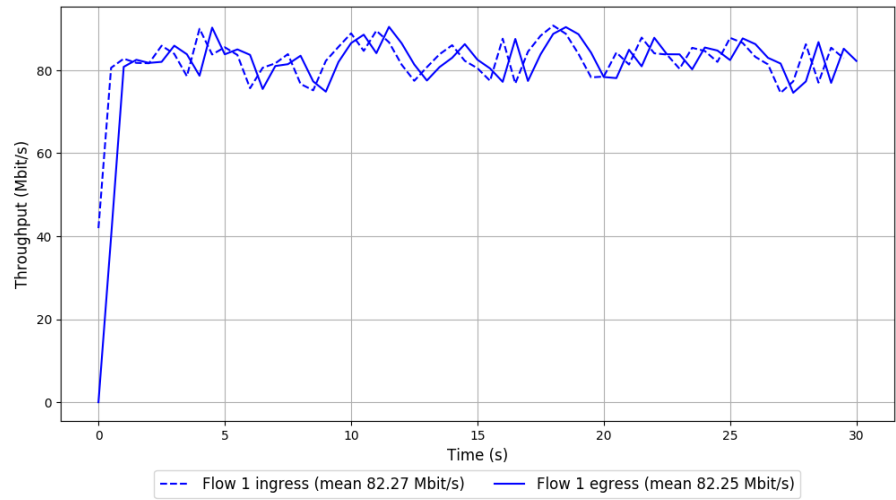


Run 4: Statistics of FillP

Start at: 2018-08-22 12:09:13  
End at: 2018-08-22 12:09:43  
Local clock offset: -7.158 ms  
Remote clock offset: -2.431 ms

# Below is generated by plot.py at 2018-08-22 14:18:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.25 Mbit/s  
95th percentile per-packet one-way delay: 17.299 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 82.25 Mbit/s  
95th percentile per-packet one-way delay: 17.299 ms  
Loss rate: 0.05%

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

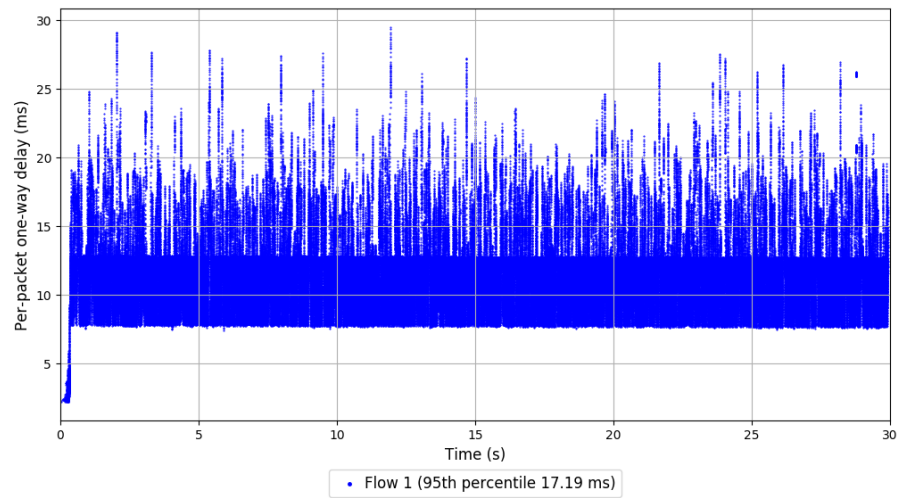
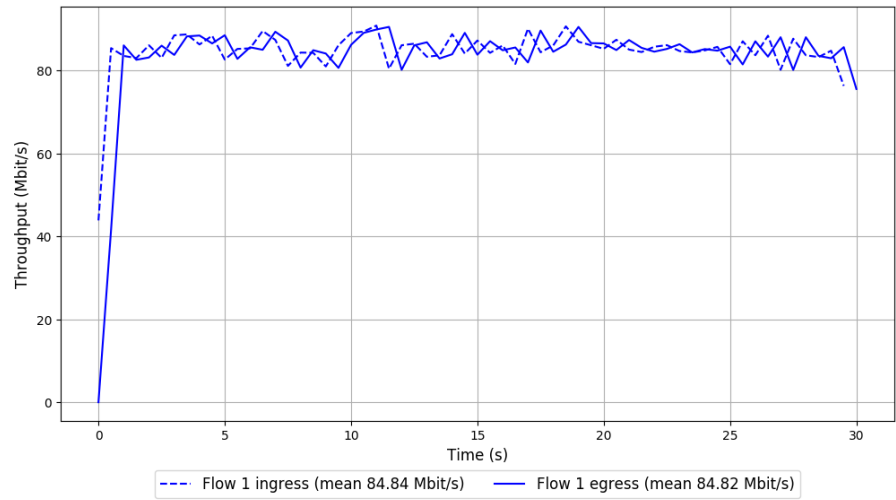


Run 5: Statistics of FillP

Start at: 2018-08-22 12:28:02  
End at: 2018-08-22 12:28:32  
Local clock offset: -4.325 ms  
Remote clock offset: -1.144 ms

# Below is generated by plot.py at 2018-08-22 14:19:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.82 Mbit/s  
95th percentile per-packet one-way delay: 17.192 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 84.82 Mbit/s  
95th percentile per-packet one-way delay: 17.192 ms  
Loss rate: 0.05%

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

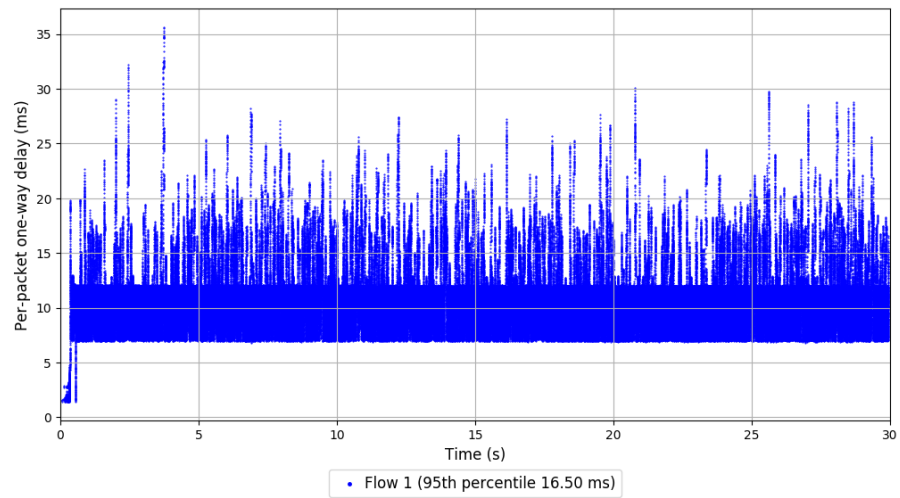
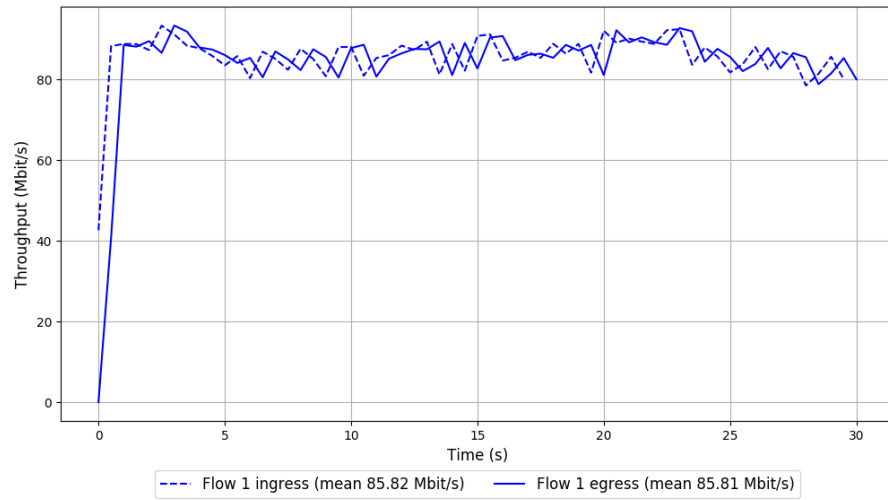


Run 6: Statistics of FillP

Start at: 2018-08-22 12:46:57  
End at: 2018-08-22 12:47:27  
Local clock offset: -3.65 ms  
Remote clock offset: -3.236 ms

# Below is generated by plot.py at 2018-08-22 14:19:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.81 Mbit/s  
95th percentile per-packet one-way delay: 16.499 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 85.81 Mbit/s  
95th percentile per-packet one-way delay: 16.499 ms  
Loss rate: 0.04%

## Run 6: Report of FillP — Data Link



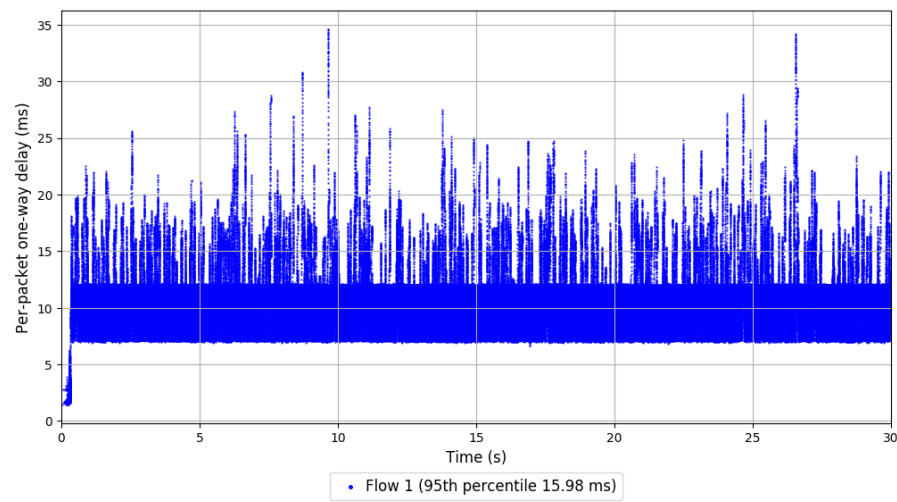
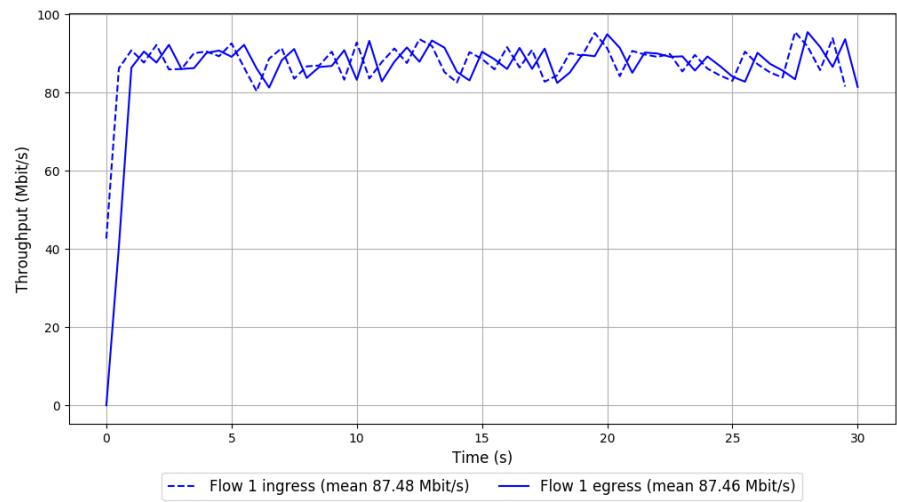
Run 7: Statistics of FillP

Start at: 2018-08-22 13:05:51  
End at: 2018-08-22 13:06:21  
Local clock offset: -2.692 ms  
Remote clock offset: -3.344 ms

# Below is generated by plot.py at 2018-08-22 14:19:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.46 Mbit/s  
95th percentile per-packet one-way delay: 15.978 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 87.46 Mbit/s  
95th percentile per-packet one-way delay: 15.978 ms  
Loss rate: 0.04%



Run 7: Report of FillP — Data Link

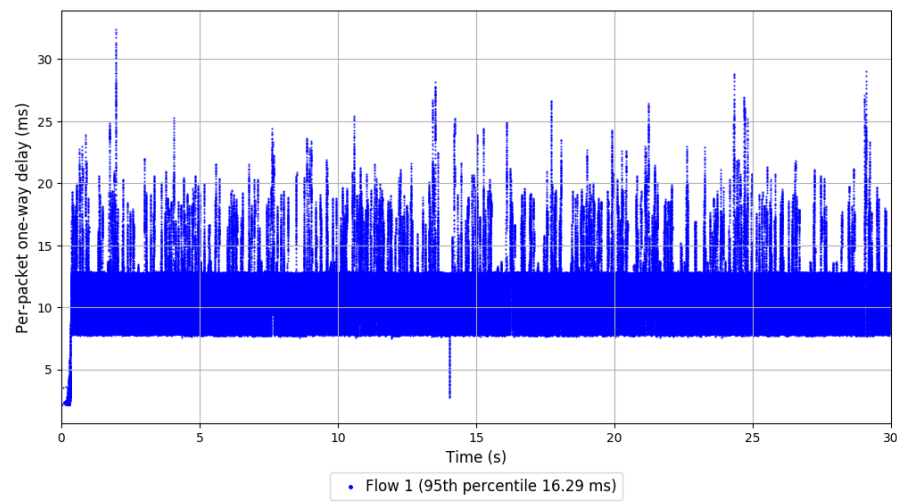
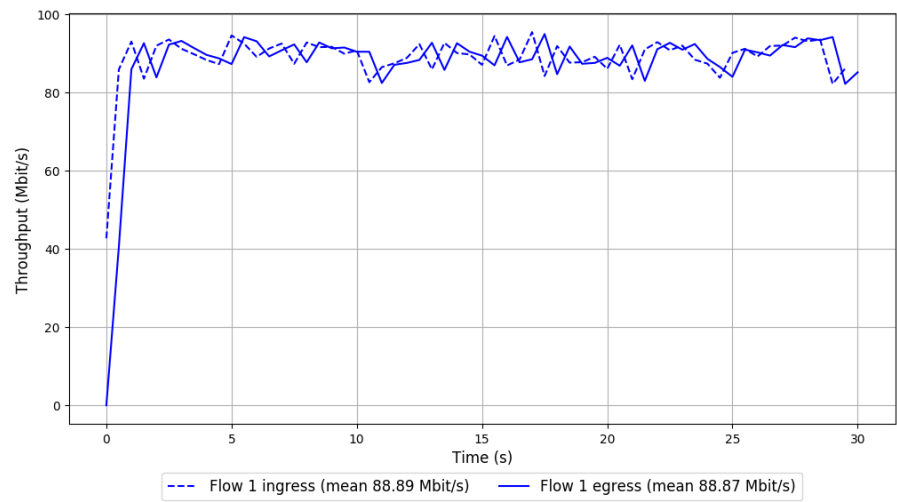


Run 8: Statistics of FillP

Start at: 2018-08-22 13:24:47  
End at: 2018-08-22 13:25:17  
Local clock offset: -2.275 ms  
Remote clock offset: -3.299 ms

# Below is generated by plot.py at 2018-08-22 14:19:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.87 Mbit/s  
95th percentile per-packet one-way delay: 16.286 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 88.87 Mbit/s  
95th percentile per-packet one-way delay: 16.286 ms  
Loss rate: 0.05%

Run 8: Report of FillP — Data Link

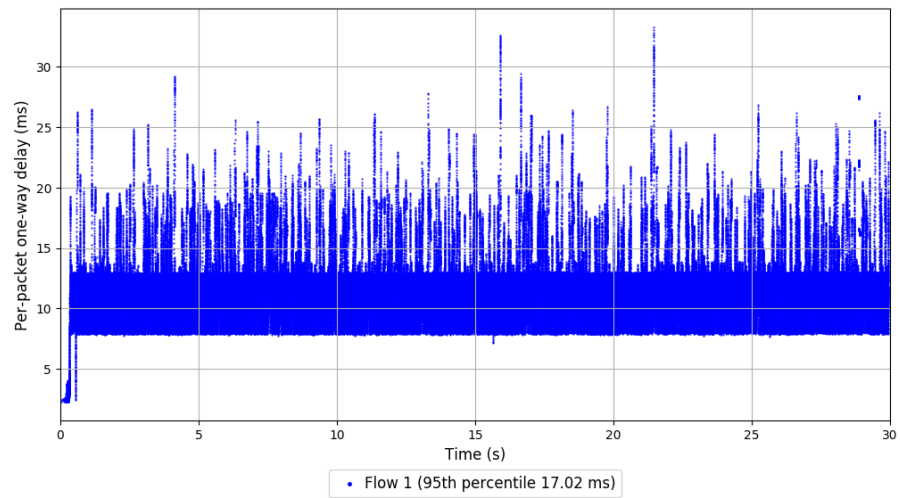
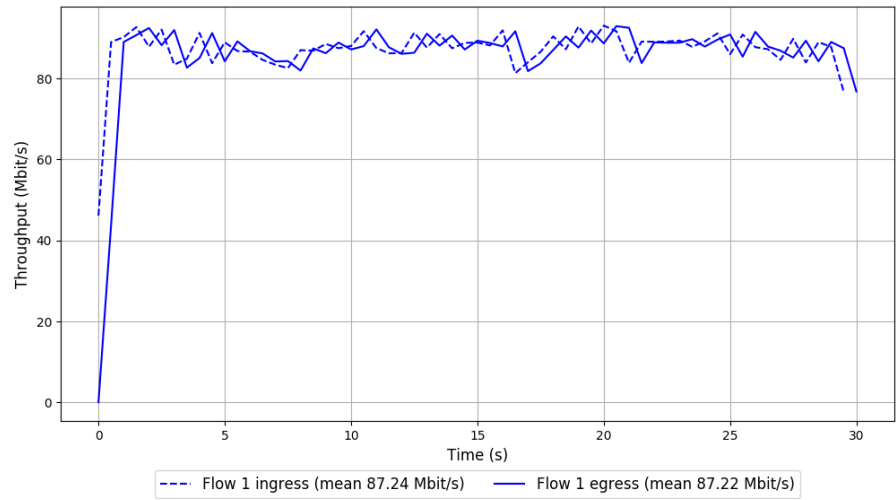


Run 9: Statistics of FillP

Start at: 2018-08-22 13:43:41  
End at: 2018-08-22 13:44:11  
Local clock offset: -3.029 ms  
Remote clock offset: -2.883 ms

# Below is generated by plot.py at 2018-08-22 14:19:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.22 Mbit/s  
95th percentile per-packet one-way delay: 17.017 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 87.22 Mbit/s  
95th percentile per-packet one-way delay: 17.017 ms  
Loss rate: 0.03%

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

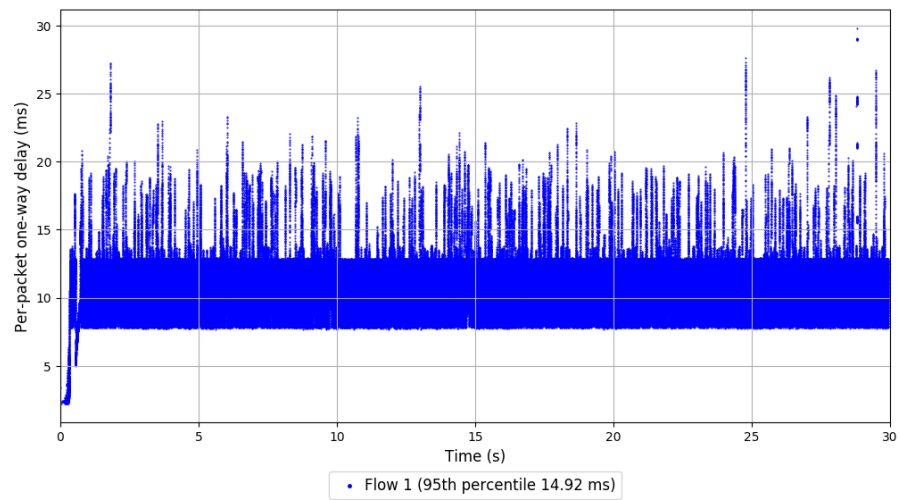
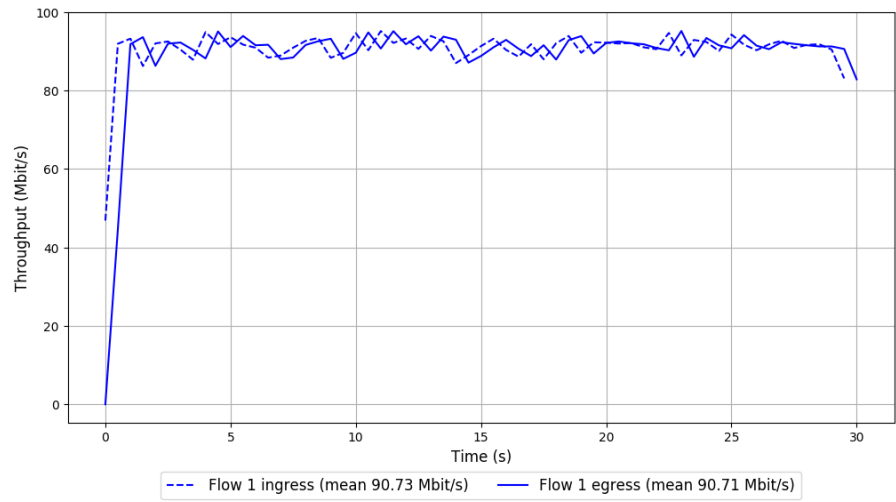


Run 10: Statistics of FillP

Start at: 2018-08-22 14:02:36  
End at: 2018-08-22 14:03:06  
Local clock offset: -3.848 ms  
Remote clock offset: -2.389 ms

# Below is generated by plot.py at 2018-08-22 14:20:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.71 Mbit/s  
95th percentile per-packet one-way delay: 14.918 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 90.71 Mbit/s  
95th percentile per-packet one-way delay: 14.918 ms  
Loss rate: 0.05%

# Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 11:07:44

End at: 2018-08-22 11:08:14

Local clock offset: -4.917 ms

Remote clock offset: -2.333 ms

# Below is generated by plot.py at 2018-08-22 14:20:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.58 Mbit/s

95th percentile per-packet one-way delay: 12.529 ms

Loss rate: 0.04%

-- Flow 1:

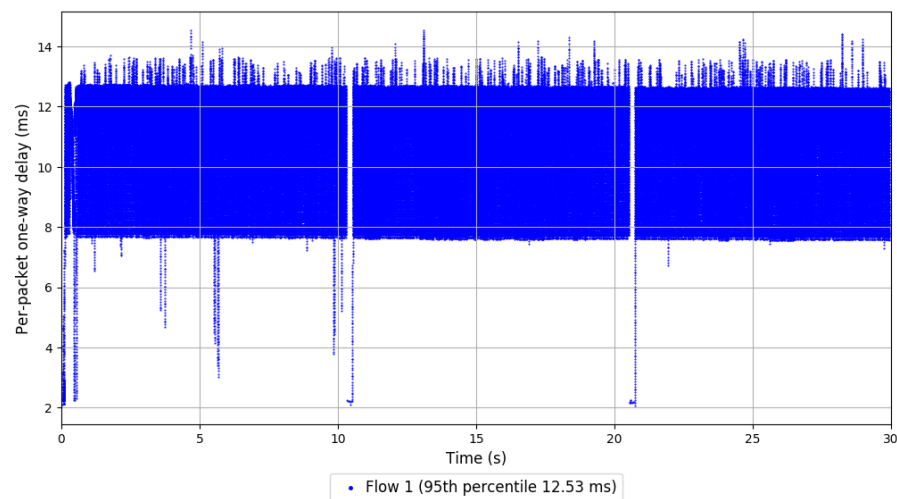
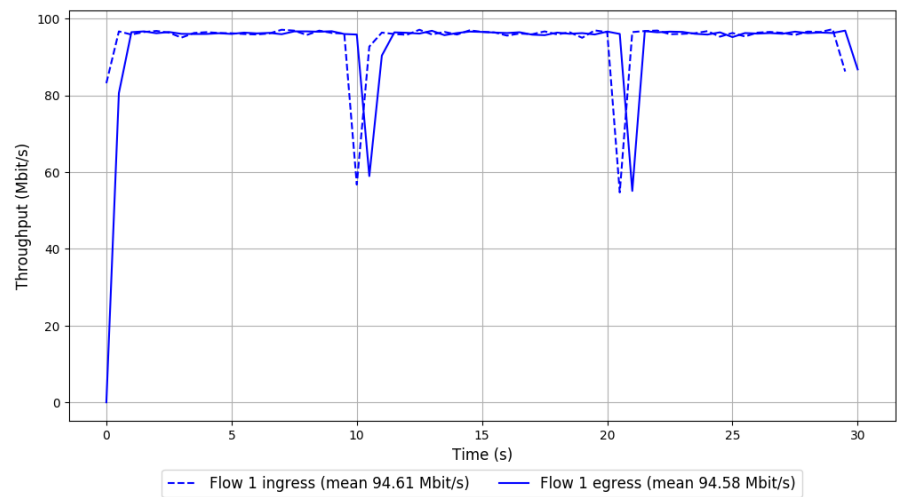
Average throughput: 94.58 Mbit/s

95th percentile per-packet one-way delay: 12.529 ms

Loss rate: 0.04%



Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 11:26:44

End at: 2018-08-22 11:27:14

Local clock offset: -2.331 ms

Remote clock offset: -4.808 ms

# Below is generated by plot.py at 2018-08-22 14:20:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 13.384 ms

Loss rate: 0.04%

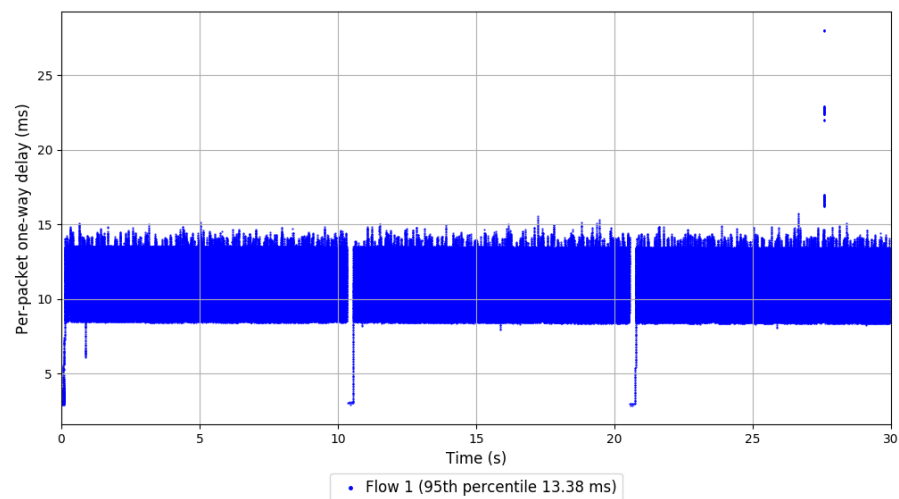
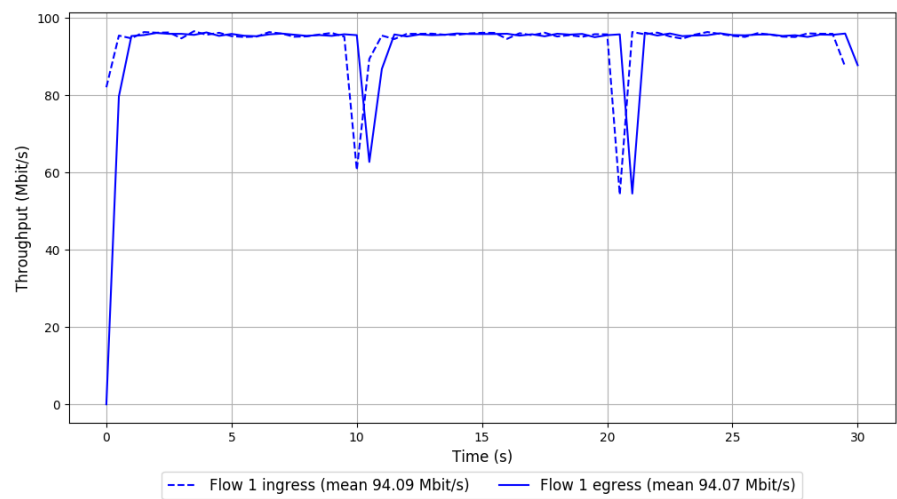
-- Flow 1:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 13.384 ms

Loss rate: 0.04%

Run 2: Report of FillP-Sheep — Data Link

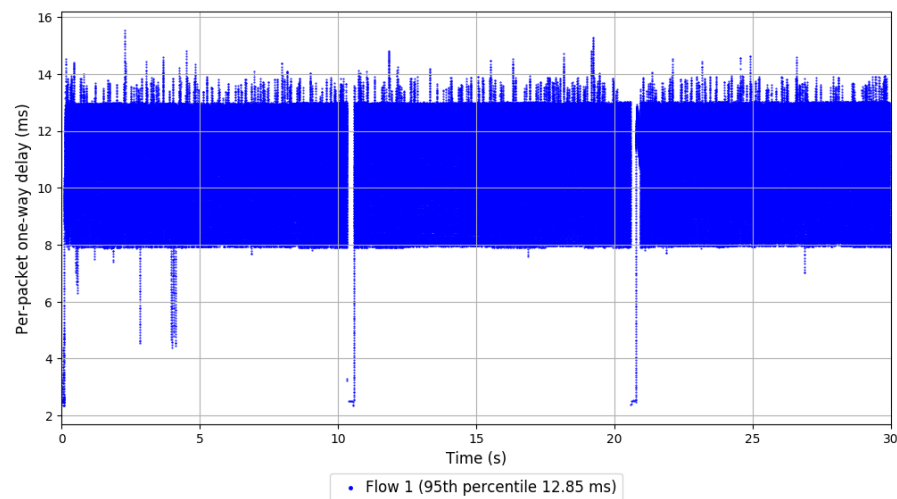
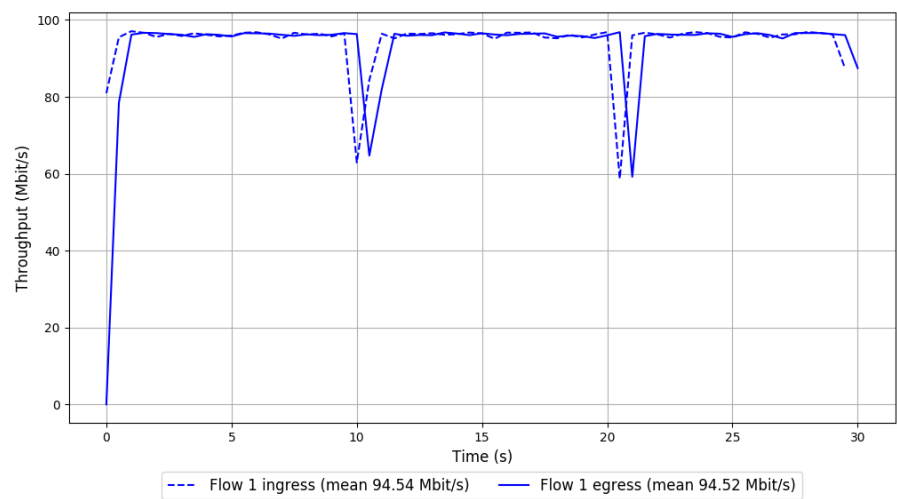


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 11:45:43  
End at: 2018-08-22 11:46:14  
Local clock offset: -5.187 ms  
Remote clock offset: -7.149 ms

# Below is generated by plot.py at 2018-08-22 14:20:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.52 Mbit/s  
95th percentile per-packet one-way delay: 12.847 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 94.52 Mbit/s  
95th percentile per-packet one-way delay: 12.847 ms  
Loss rate: 0.04%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 12:04:43

End at: 2018-08-22 12:05:13

Local clock offset: -6.856 ms

Remote clock offset: -3.24 ms

# Below is generated by plot.py at 2018-08-22 14:20:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 12.948 ms

Loss rate: 0.04%

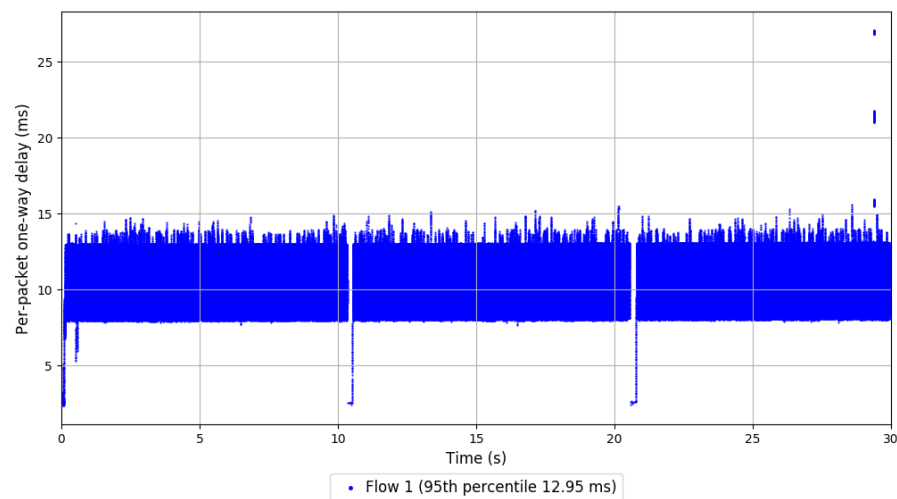
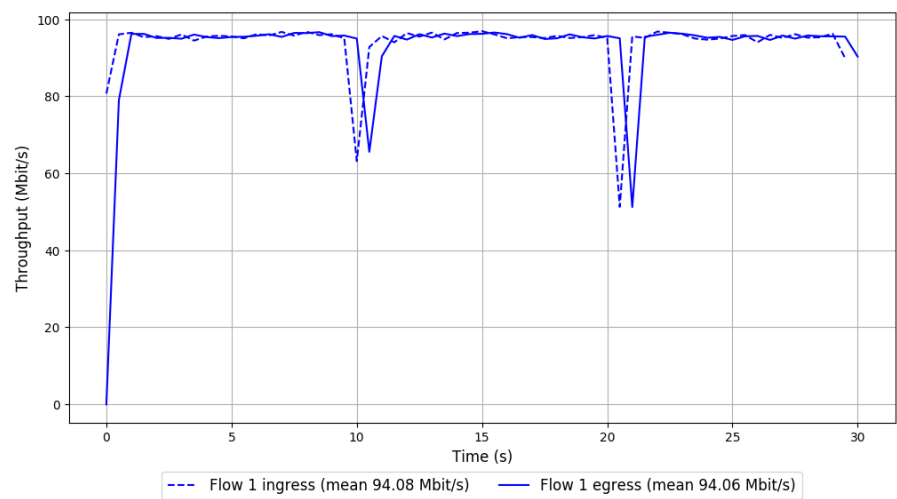
-- Flow 1:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 12.948 ms

Loss rate: 0.04%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 12:23:34

End at: 2018-08-22 12:24:04

Local clock offset: -4.588 ms

Remote clock offset: -1.265 ms

# Below is generated by plot.py at 2018-08-22 14:20:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.24 Mbit/s

95th percentile per-packet one-way delay: 18.722 ms

Loss rate: 0.05%

-- Flow 1:

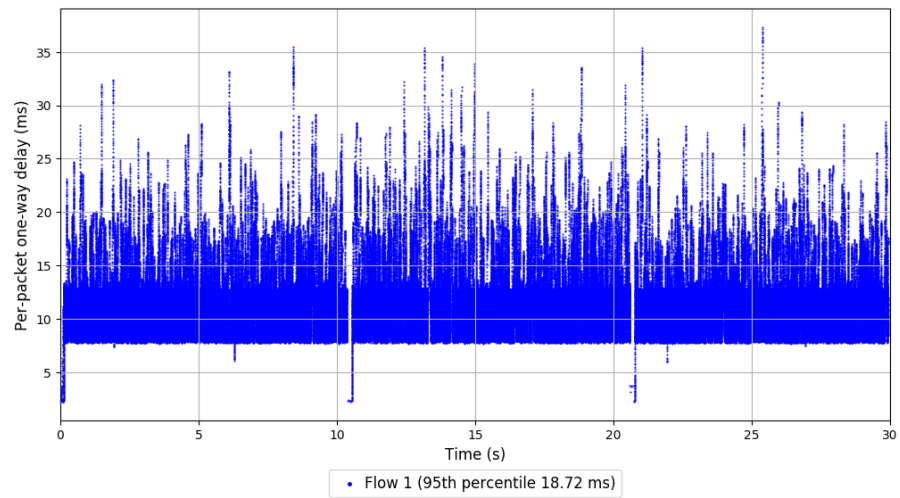
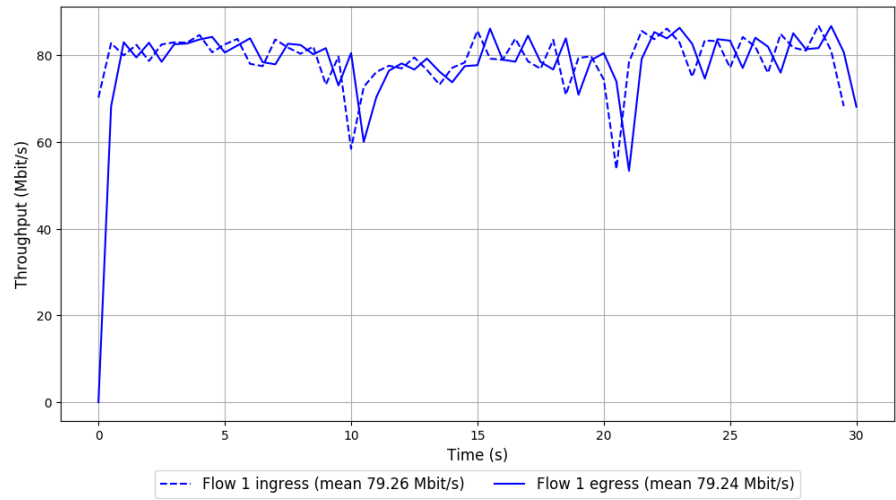
Average throughput: 79.24 Mbit/s

95th percentile per-packet one-way delay: 18.722 ms

Loss rate: 0.05%



### Run 5: Report of FillP-Sheep — Data Link

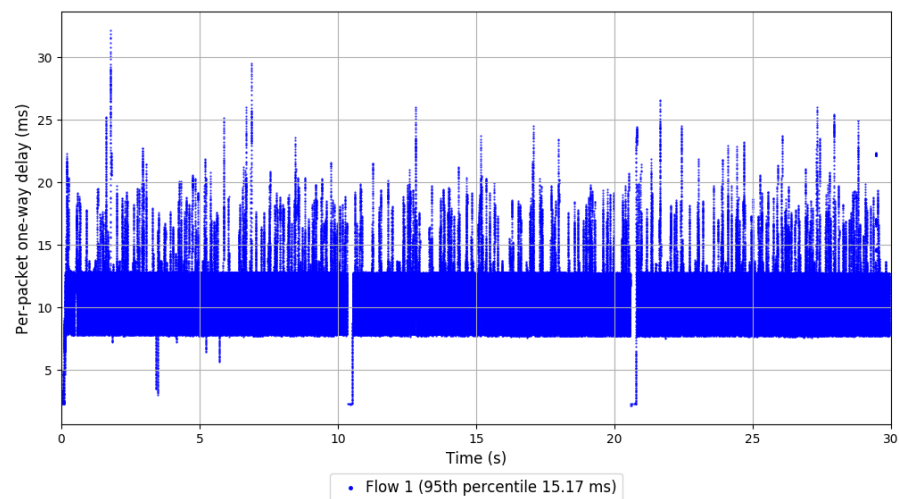
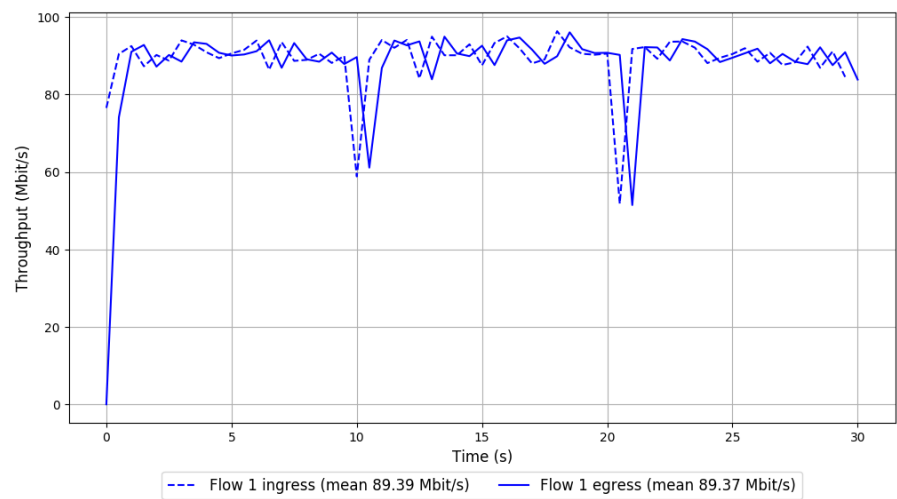


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 12:42:27  
End at: 2018-08-22 12:42:57  
Local clock offset: -3.277 ms  
Remote clock offset: -3.056 ms

# Below is generated by plot.py at 2018-08-22 14:20:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.37 Mbit/s  
95th percentile per-packet one-way delay: 15.173 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 89.37 Mbit/s  
95th percentile per-packet one-way delay: 15.173 ms  
Loss rate: 0.05%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 13:01:21

End at: 2018-08-22 13:01:51

Local clock offset: -2.119 ms

Remote clock offset: -3.32 ms

# Below is generated by plot.py at 2018-08-22 14:20:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 16.519 ms

Loss rate: 0.03%

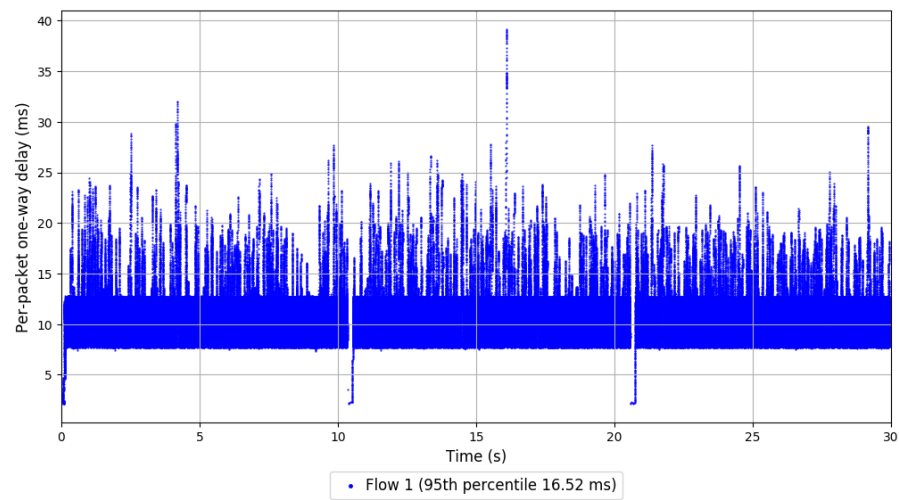
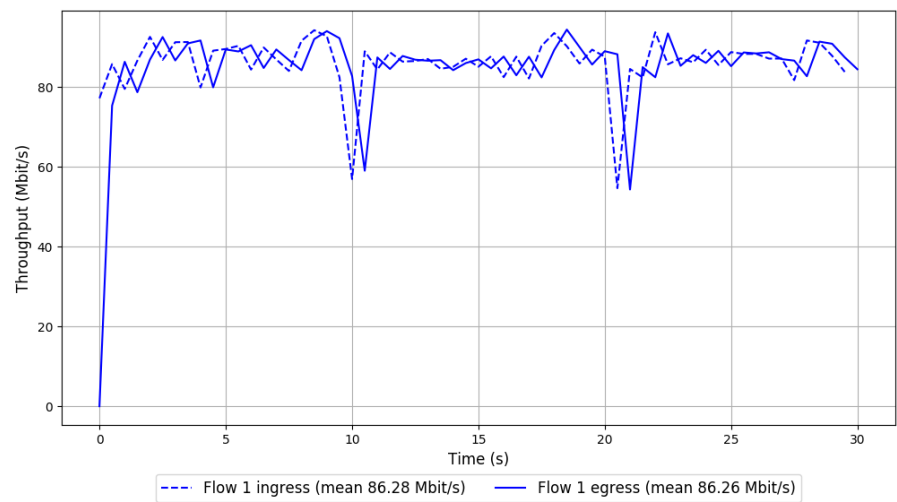
-- Flow 1:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 16.519 ms

Loss rate: 0.03%

Run 7: Report of FillP-Sheep — Data Link

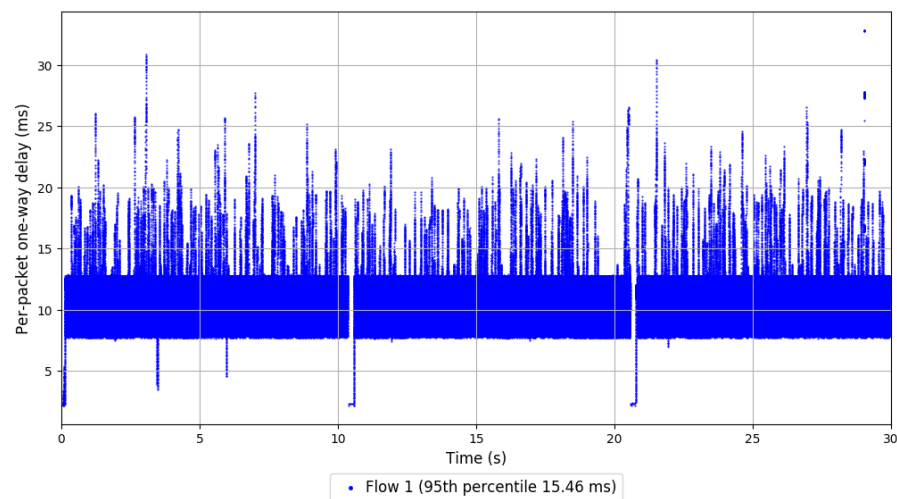
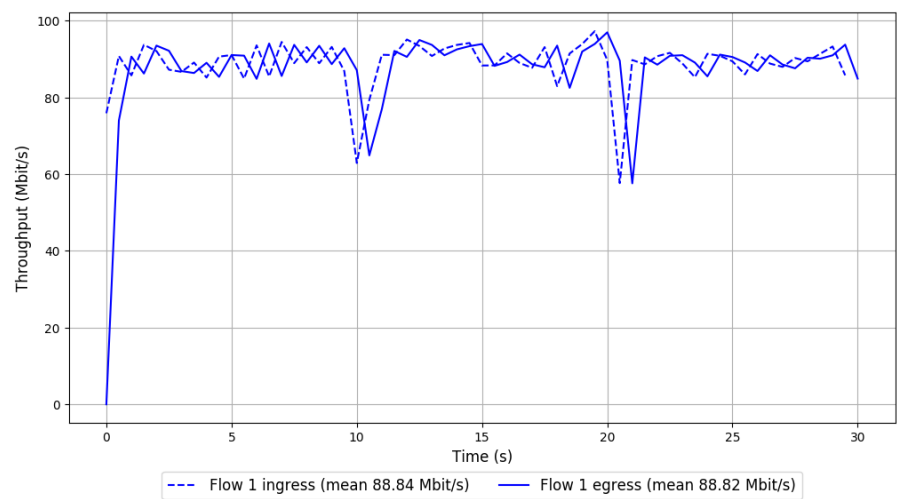


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 13:20:17  
End at: 2018-08-22 13:20:47  
Local clock offset: -2.295 ms  
Remote clock offset: -3.323 ms

# Below is generated by plot.py at 2018-08-22 14:21:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.82 Mbit/s  
95th percentile per-packet one-way delay: 15.463 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 88.82 Mbit/s  
95th percentile per-packet one-way delay: 15.463 ms  
Loss rate: 0.05%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 13:39:12

End at: 2018-08-22 13:39:42

Local clock offset: -1.744 ms

Remote clock offset: -3.12 ms

# Below is generated by plot.py at 2018-08-22 14:21:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.83 Mbit/s

95th percentile per-packet one-way delay: 18.101 ms

Loss rate: 0.05%

-- Flow 1:

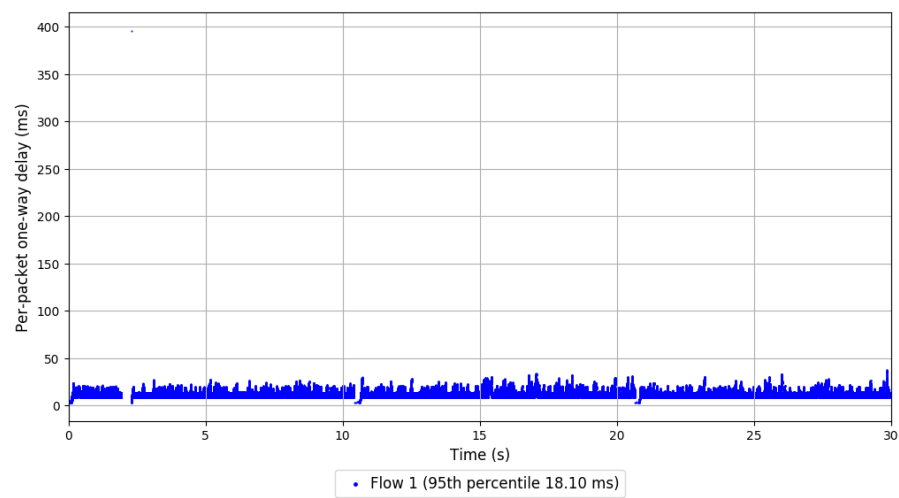
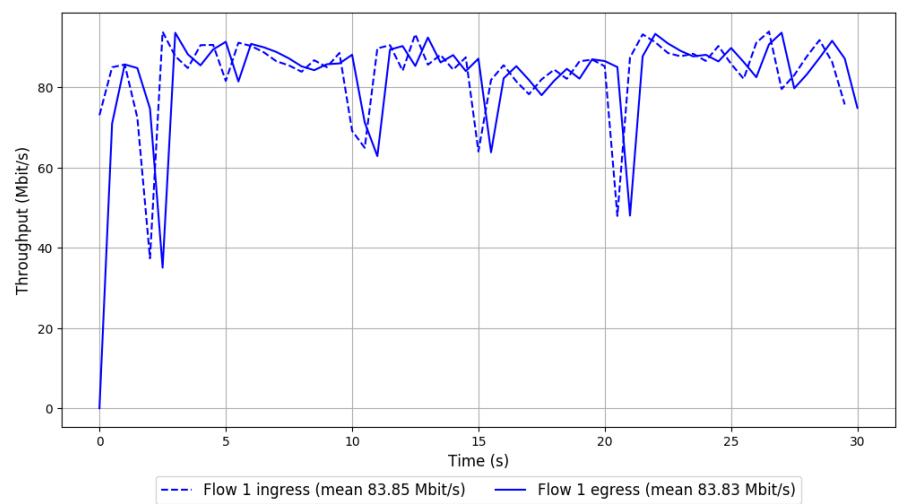
Average throughput: 83.83 Mbit/s

95th percentile per-packet one-way delay: 18.101 ms

Loss rate: 0.05%



Run 9: Report of FillP-Sheep — Data Link

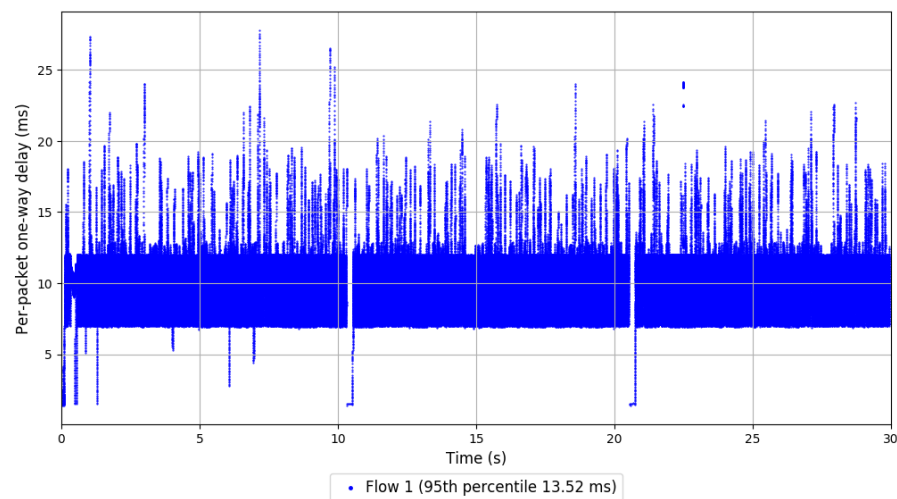
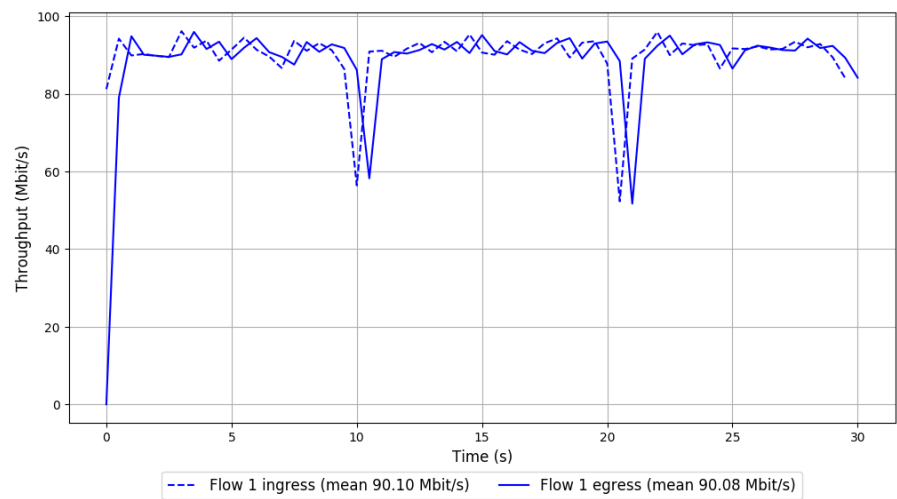


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 13:58:06  
End at: 2018-08-22 13:58:36  
Local clock offset: -4.561 ms  
Remote clock offset: -2.466 ms

# Below is generated by plot.py at 2018-08-22 14:21:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.08 Mbit/s  
95th percentile per-packet one-way delay: 13.524 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 90.08 Mbit/s  
95th percentile per-packet one-way delay: 13.524 ms  
Loss rate: 0.04%

Run 10: Report of FillP-Sheep — Data Link

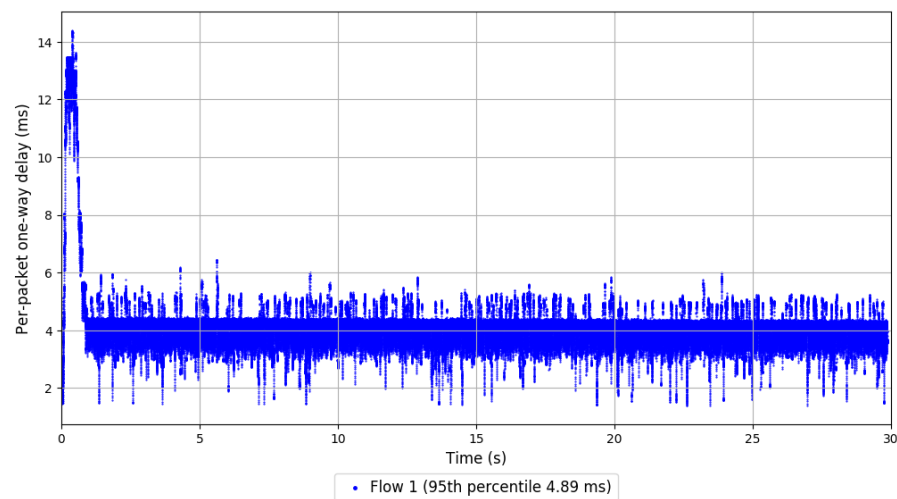
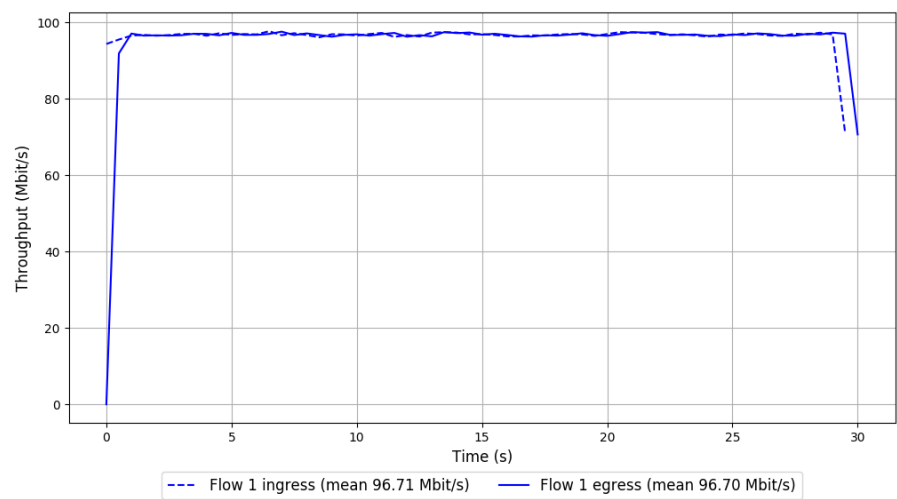


Run 1: Statistics of Indigo

Start at: 2018-08-22 11:08:50  
End at: 2018-08-22 11:09:20  
Local clock offset: -5.447 ms  
Remote clock offset: -2.321 ms

# Below is generated by plot.py at 2018-08-22 14:21:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.70 Mbit/s  
95th percentile per-packet one-way delay: 4.886 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.70 Mbit/s  
95th percentile per-packet one-way delay: 4.886 ms  
Loss rate: 0.02%

Run 1: Report of Indigo — Data Link

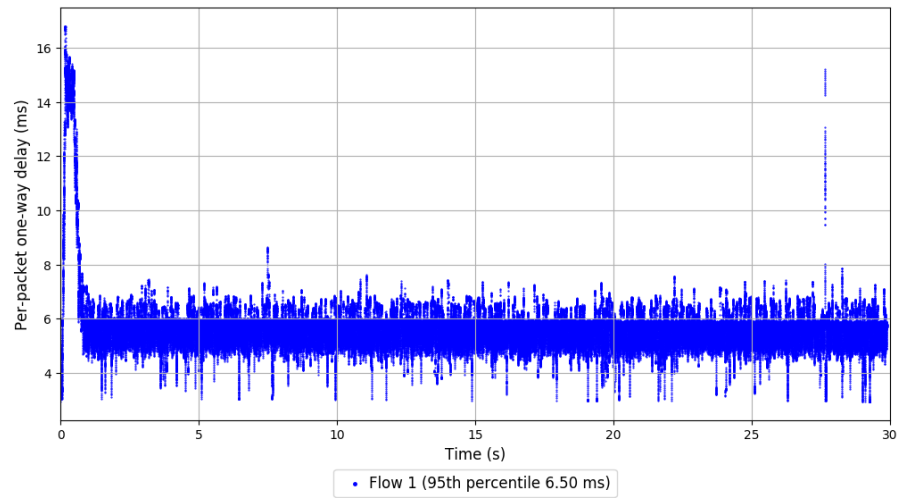
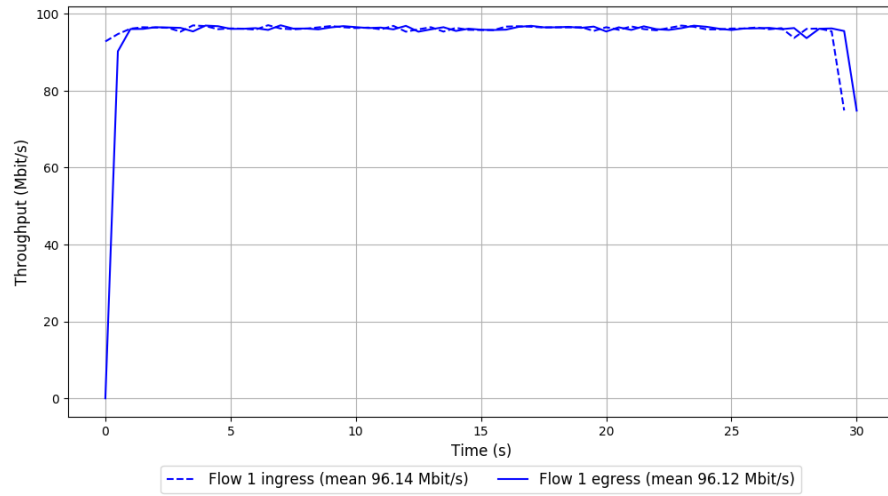


Run 2: Statistics of Indigo

Start at: 2018-08-22 11:27:50  
End at: 2018-08-22 11:28:20  
Local clock offset: -2.299 ms  
Remote clock offset: -5.054 ms

# Below is generated by plot.py at 2018-08-22 14:21:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.12 Mbit/s  
95th percentile per-packet one-way delay: 6.505 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.12 Mbit/s  
95th percentile per-packet one-way delay: 6.505 ms  
Loss rate: 0.02%

## Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-22 11:46:50

End at: 2018-08-22 11:47:20

Local clock offset: -5.34 ms

Remote clock offset: -7.145 ms

# Below is generated by plot.py at 2018-08-22 14:21:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 5.736 ms

Loss rate: 0.02%

-- Flow 1:

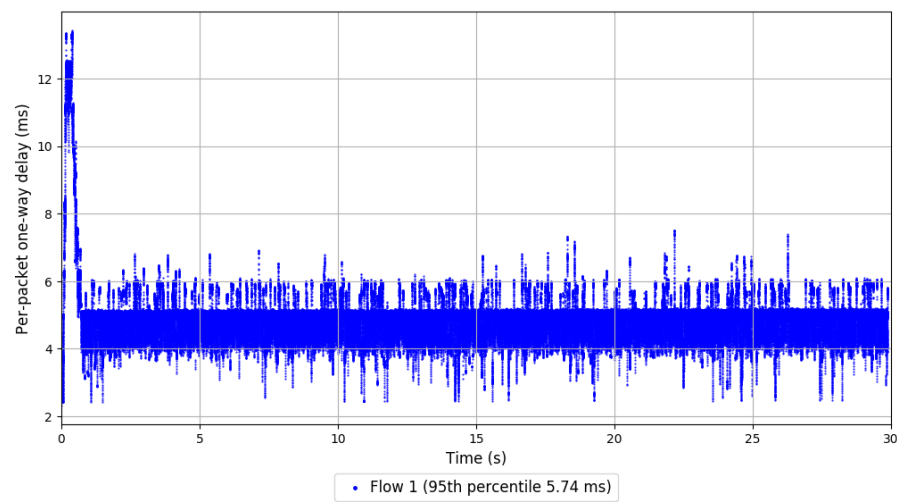
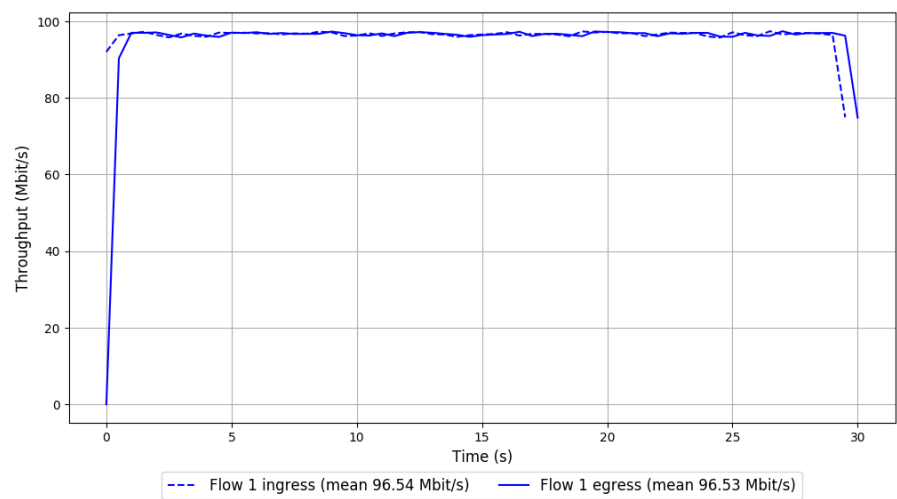
Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 5.736 ms

Loss rate: 0.02%



Run 3: Report of Indigo — Data Link

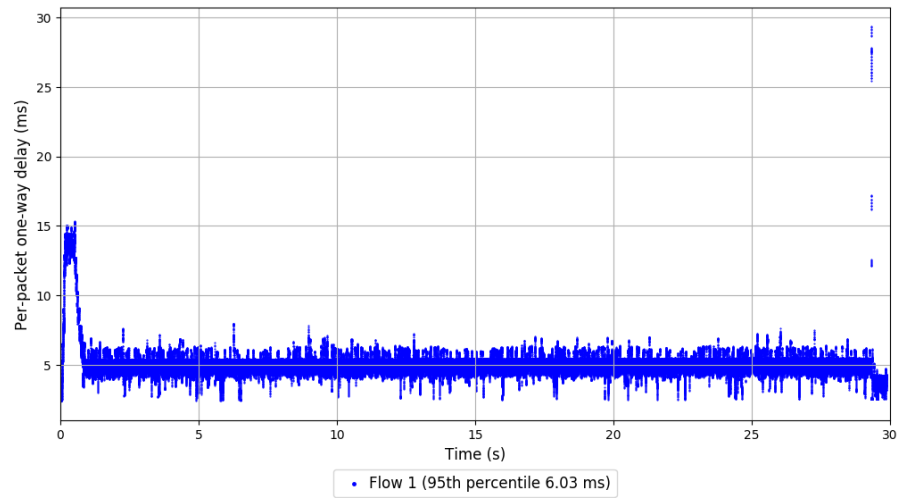
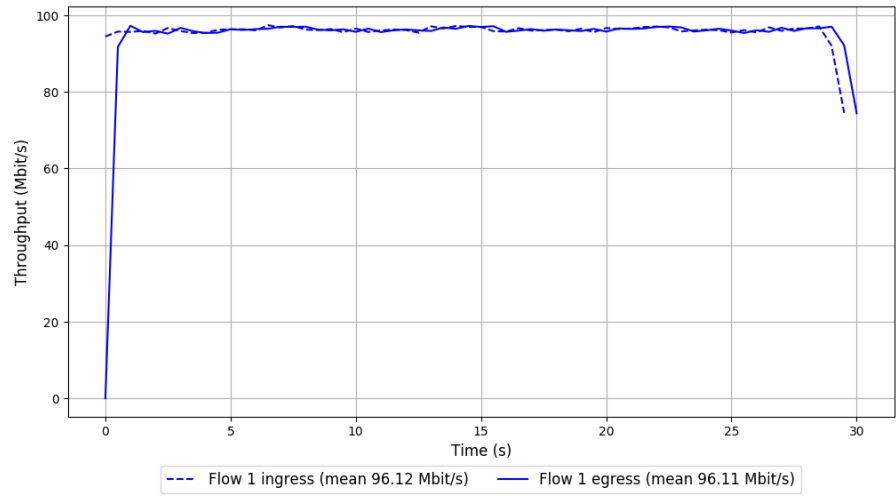


Run 4: Statistics of Indigo

Start at: 2018-08-22 12:05:49  
End at: 2018-08-22 12:06:19  
Local clock offset: -6.934 ms  
Remote clock offset: -2.969 ms

# Below is generated by plot.py at 2018-08-22 14:21:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.11 Mbit/s  
95th percentile per-packet one-way delay: 6.032 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.11 Mbit/s  
95th percentile per-packet one-way delay: 6.032 ms  
Loss rate: 0.02%

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

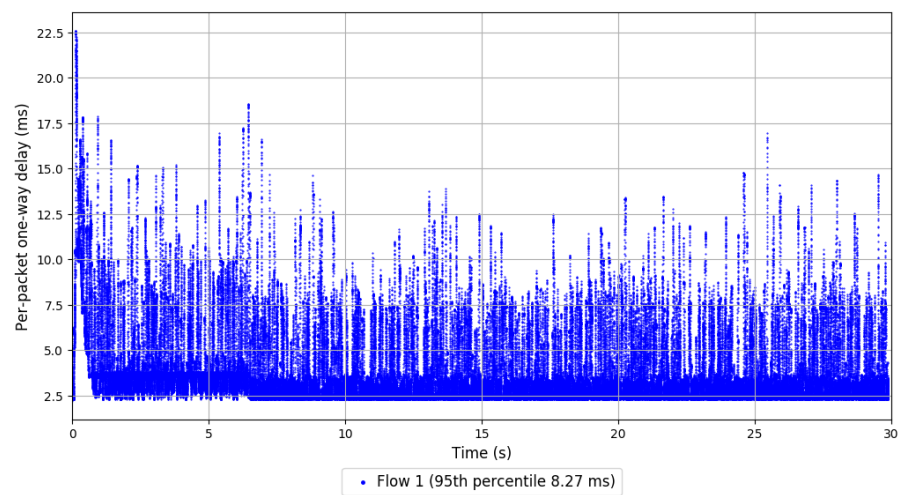
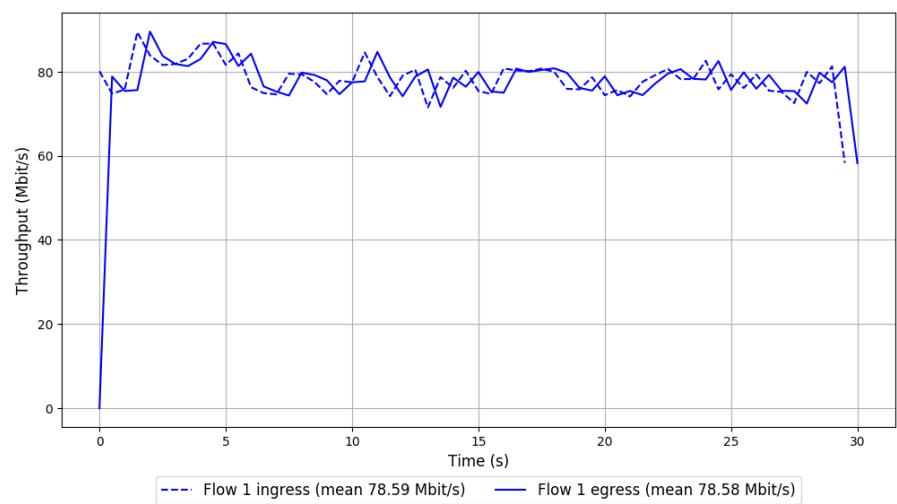


Run 5: Statistics of Indigo

Start at: 2018-08-22 12:24:40  
End at: 2018-08-22 12:25:10  
Local clock offset: -4.517 ms  
Remote clock offset: -1.173 ms

# Below is generated by plot.py at 2018-08-22 14:21:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.58 Mbit/s  
95th percentile per-packet one-way delay: 8.273 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 78.58 Mbit/s  
95th percentile per-packet one-way delay: 8.273 ms  
Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-22 12:43:33

End at: 2018-08-22 12:44:03

Local clock offset: -3.153 ms

Remote clock offset: -3.039 ms

# Below is generated by plot.py at 2018-08-22 14:22:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 7.756 ms

Loss rate: 0.05%

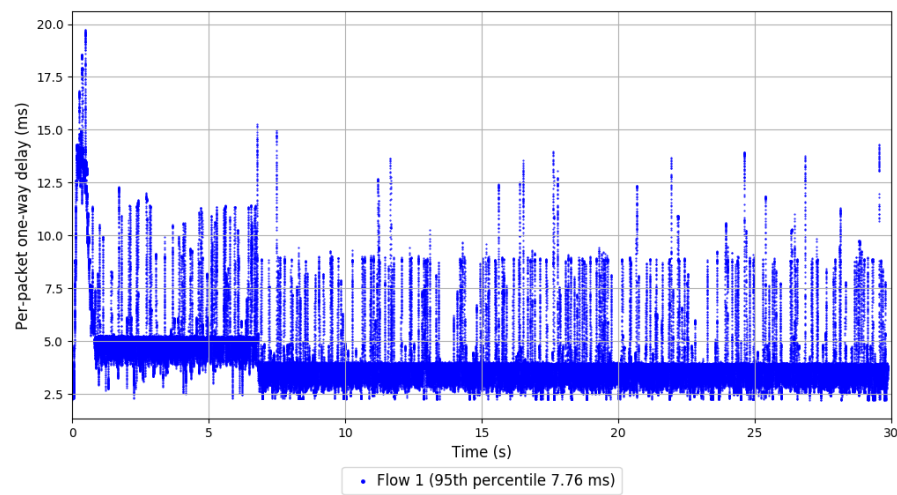
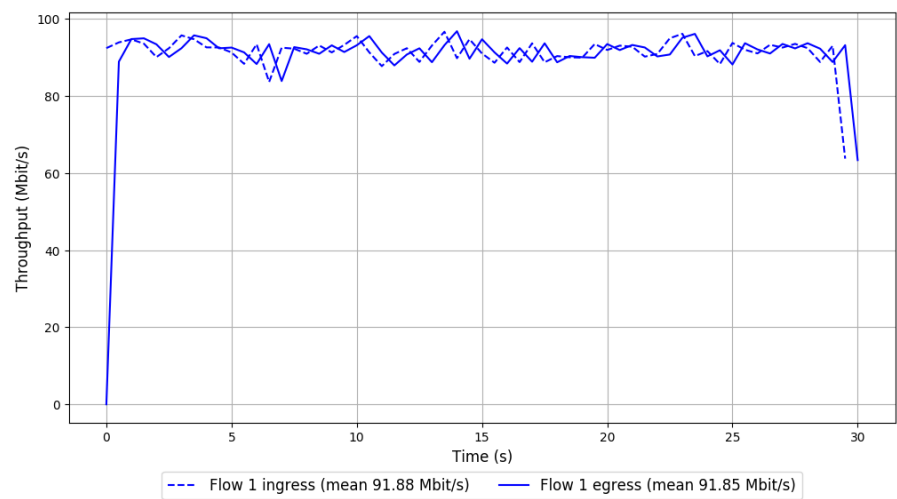
-- Flow 1:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 7.756 ms

Loss rate: 0.05%

Run 6: Report of Indigo — Data Link



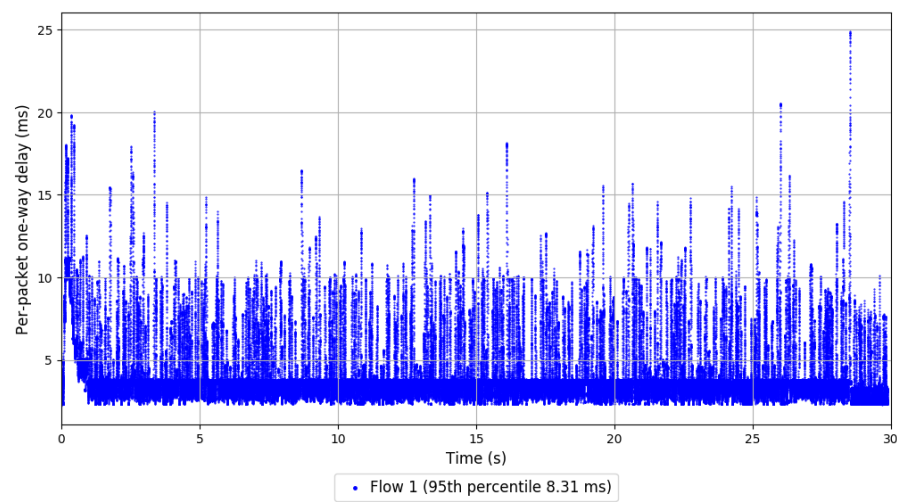
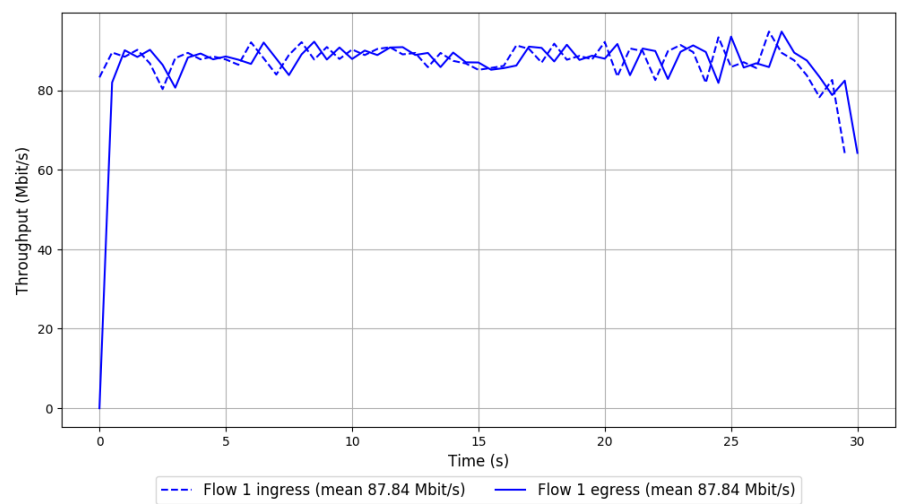
Run 7: Statistics of Indigo

Start at: 2018-08-22 13:02:27  
End at: 2018-08-22 13:02:58  
Local clock offset: -2.076 ms  
Remote clock offset: -3.402 ms

# Below is generated by plot.py at 2018-08-22 14:22:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.84 Mbit/s  
95th percentile per-packet one-way delay: 8.312 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 87.84 Mbit/s  
95th percentile per-packet one-way delay: 8.312 ms  
Loss rate: 0.01%



Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-22 13:21:24

End at: 2018-08-22 13:21:54

Local clock offset: -3.0 ms

Remote clock offset: -3.318 ms

# Below is generated by plot.py at 2018-08-22 14:22:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 6.800 ms

Loss rate: 0.02%

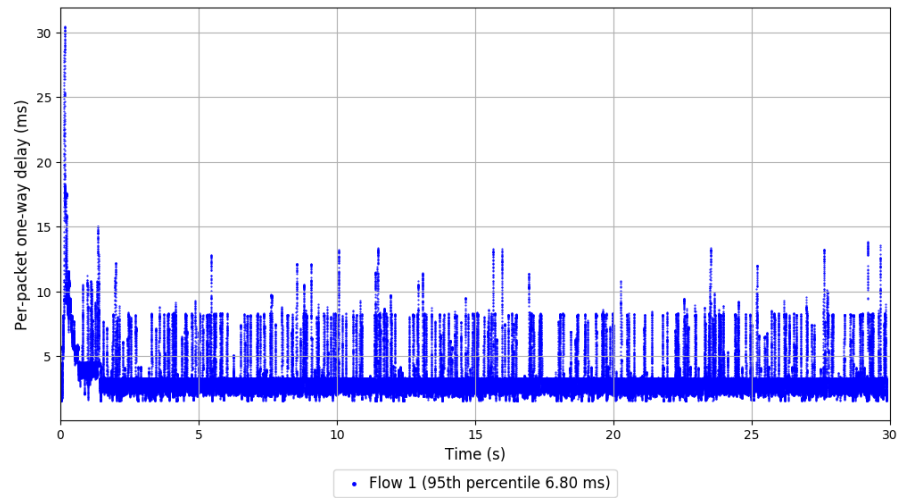
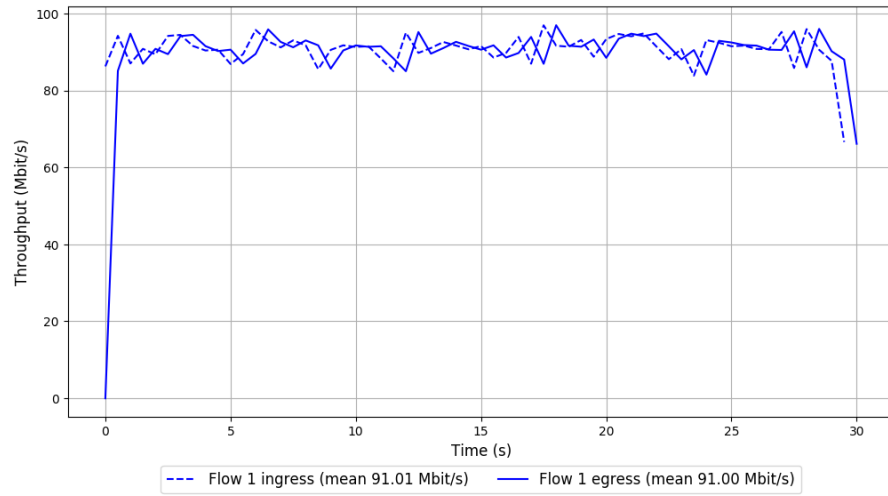
-- Flow 1:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 6.800 ms

Loss rate: 0.02%

## Run 8: Report of Indigo — Data Link

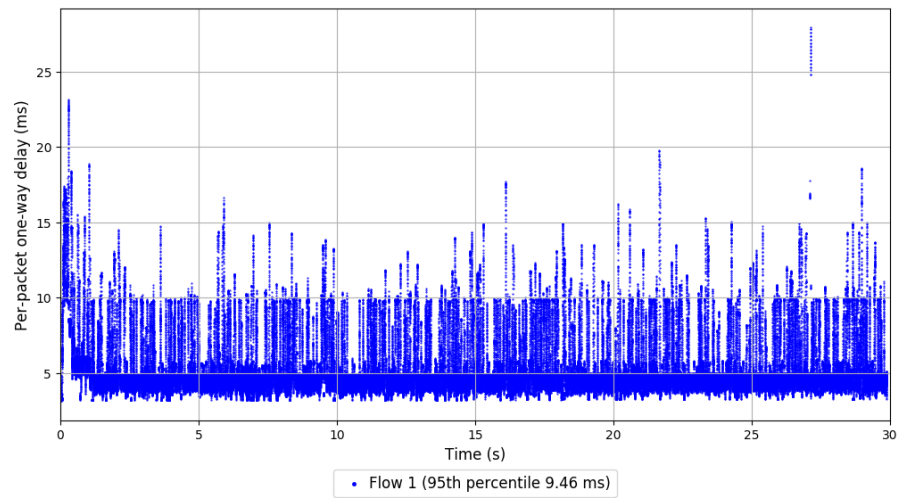
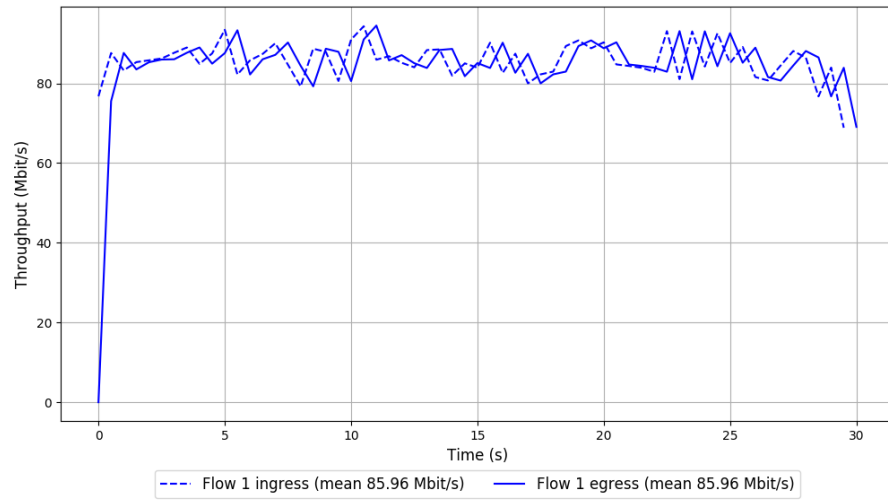


Run 9: Statistics of Indigo

Start at: 2018-08-22 13:40:18  
End at: 2018-08-22 13:40:48  
Local clock offset: -1.897 ms  
Remote clock offset: -3.024 ms

# Below is generated by plot.py at 2018-08-22 14:22:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.96 Mbit/s  
95th percentile per-packet one-way delay: 9.460 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 85.96 Mbit/s  
95th percentile per-packet one-way delay: 9.460 ms  
Loss rate: 0.02%

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



Run 10: Statistics of Indigo

Start at: 2018-08-22 13:59:13

End at: 2018-08-22 13:59:43

Local clock offset: -4.526 ms

Remote clock offset: -2.484 ms

# Below is generated by plot.py at 2018-08-22 14:22:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.49 Mbit/s

95th percentile per-packet one-way delay: 6.550 ms

Loss rate: 0.02%

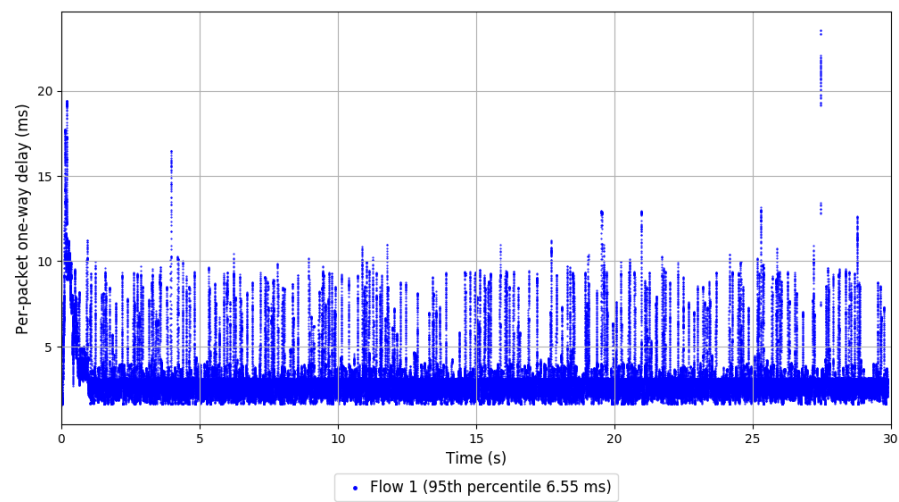
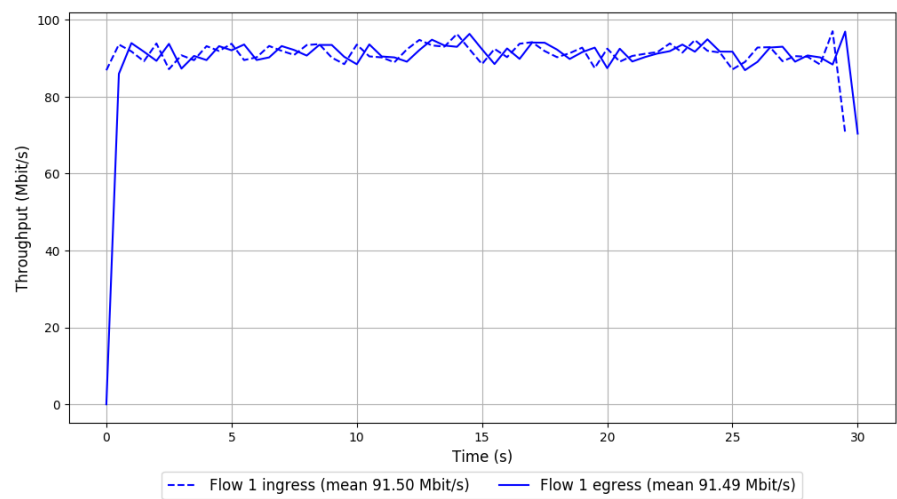
-- Flow 1:

Average throughput: 91.49 Mbit/s

95th percentile per-packet one-way delay: 6.550 ms

Loss rate: 0.02%

Run 10: Report of Indigo — Data Link



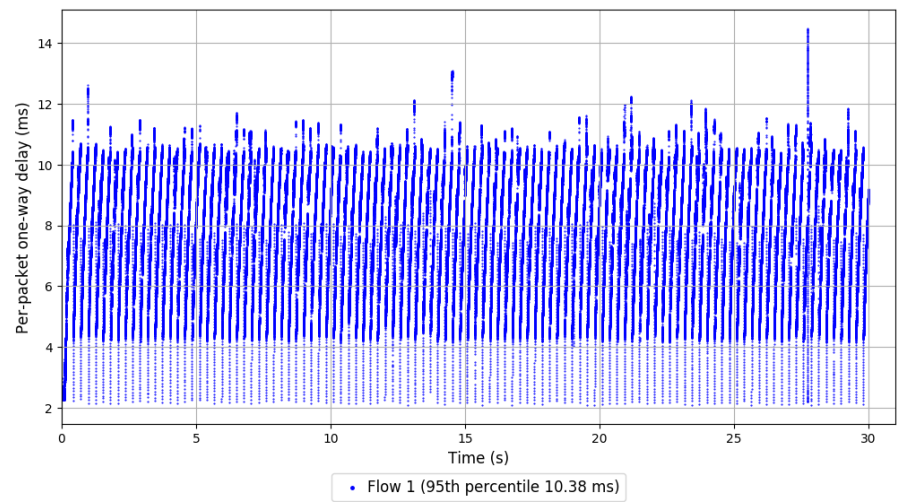
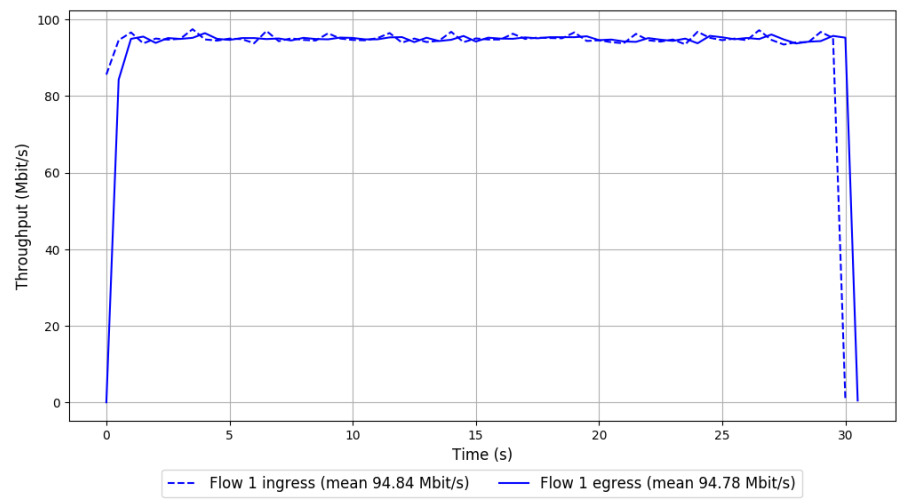
Run 1: Statistics of LEDBAT

Start at: 2018-08-22 11:11:06  
End at: 2018-08-22 11:11:36  
Local clock offset: -4.264 ms  
Remote clock offset: -2.337 ms

# Below is generated by plot.py at 2018-08-22 14:22:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.78 Mbit/s  
95th percentile per-packet one-way delay: 10.377 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 94.78 Mbit/s  
95th percentile per-packet one-way delay: 10.377 ms  
Loss rate: 0.08%



Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-22 11:30:06

End at: 2018-08-22 11:30:36

Local clock offset: -3.849 ms

Remote clock offset: -5.56 ms

# Below is generated by plot.py at 2018-08-22 14:22:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 9.683 ms

Loss rate: 0.08%

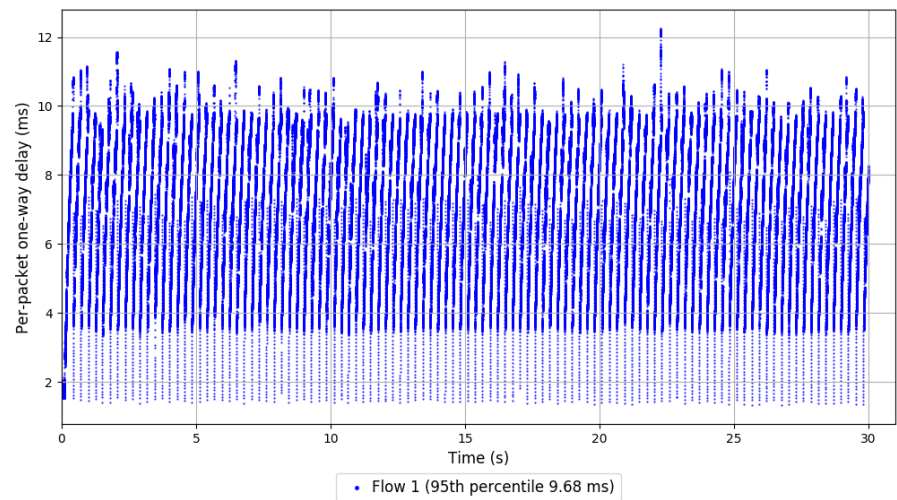
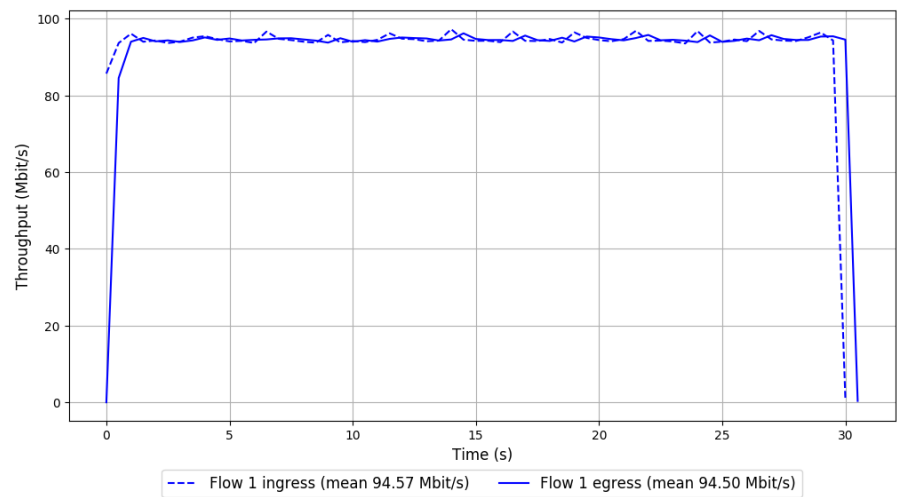
-- Flow 1:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 9.683 ms

Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link

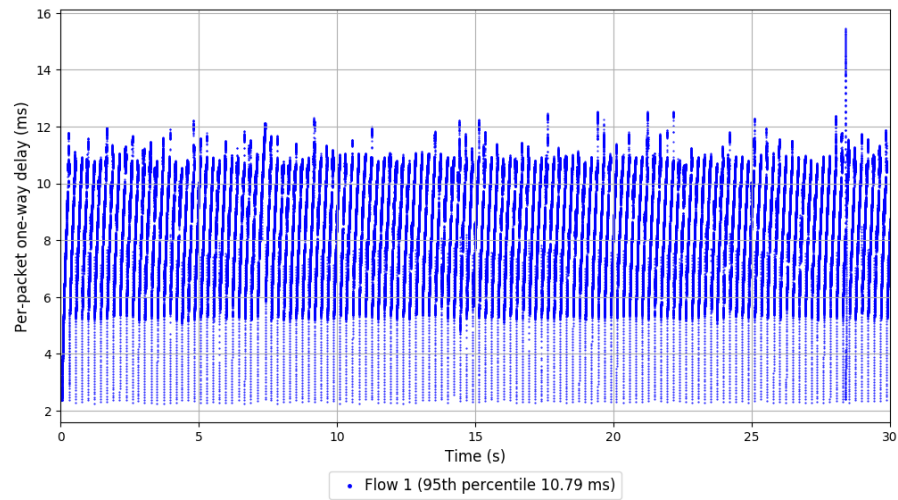
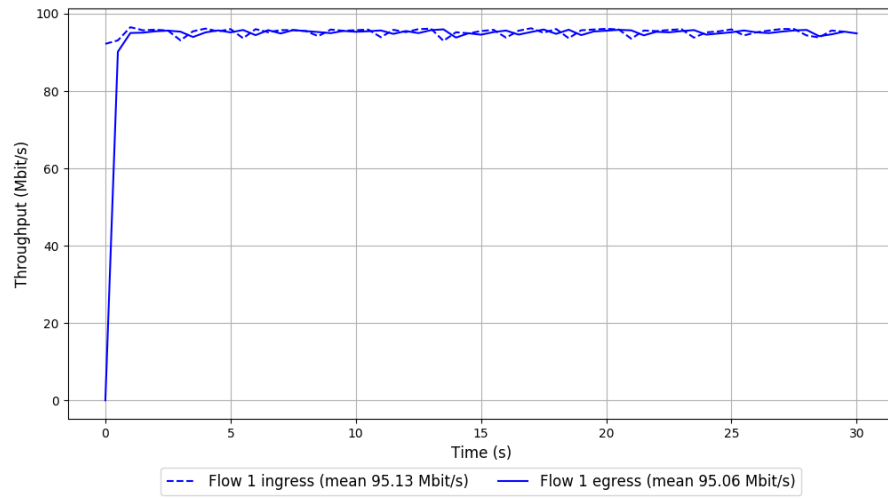


Run 3: Statistics of LEDBAT

Start at: 2018-08-22 11:49:06  
End at: 2018-08-22 11:49:36  
Local clock offset: -5.655 ms  
Remote clock offset: -7.266 ms

# Below is generated by plot.py at 2018-08-22 14:23:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.06 Mbit/s  
95th percentile per-packet one-way delay: 10.795 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 95.06 Mbit/s  
95th percentile per-packet one-way delay: 10.795 ms  
Loss rate: 0.09%

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

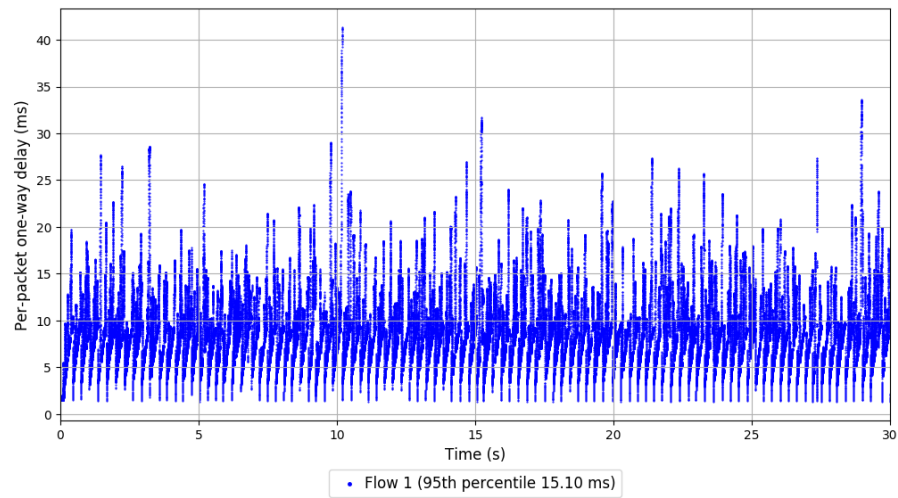
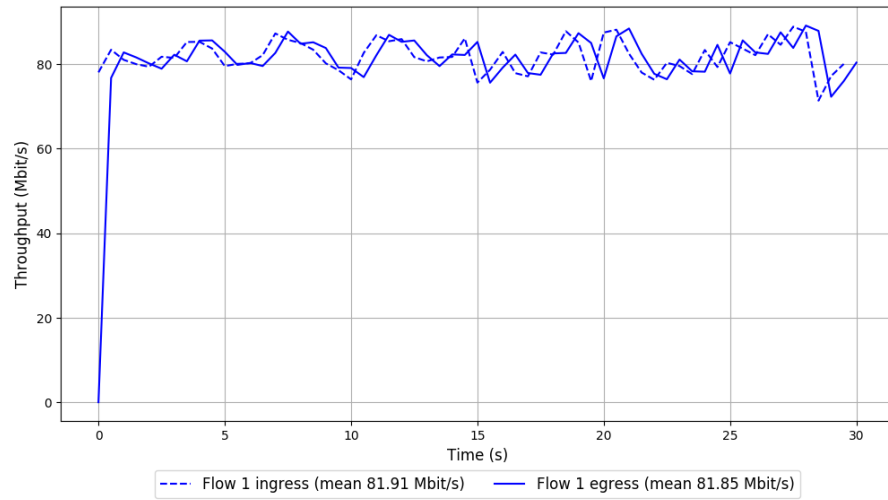


Run 4: Statistics of LEDBAT

Start at: 2018-08-22 12:08:05  
End at: 2018-08-22 12:08:35  
Local clock offset: -7.473 ms  
Remote clock offset: -2.627 ms

# Below is generated by plot.py at 2018-08-22 14:23:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.85 Mbit/s  
95th percentile per-packet one-way delay: 15.095 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 81.85 Mbit/s  
95th percentile per-packet one-way delay: 15.095 ms  
Loss rate: 0.07%

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



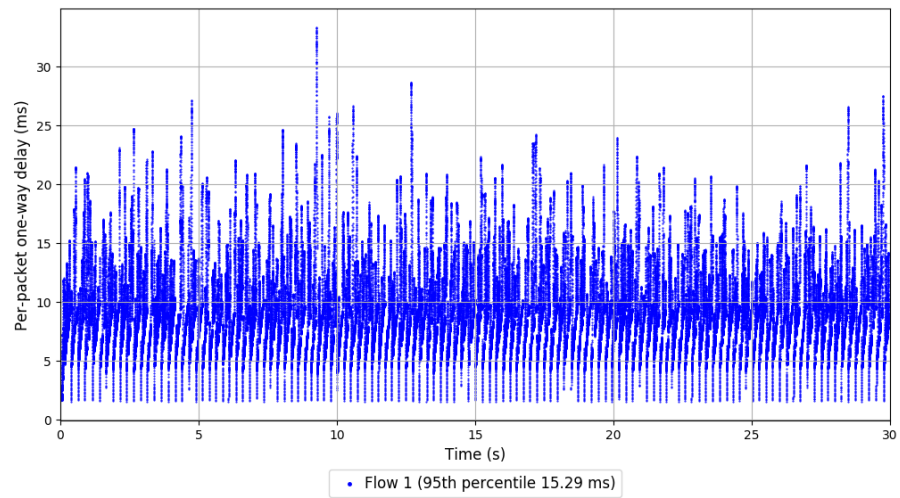
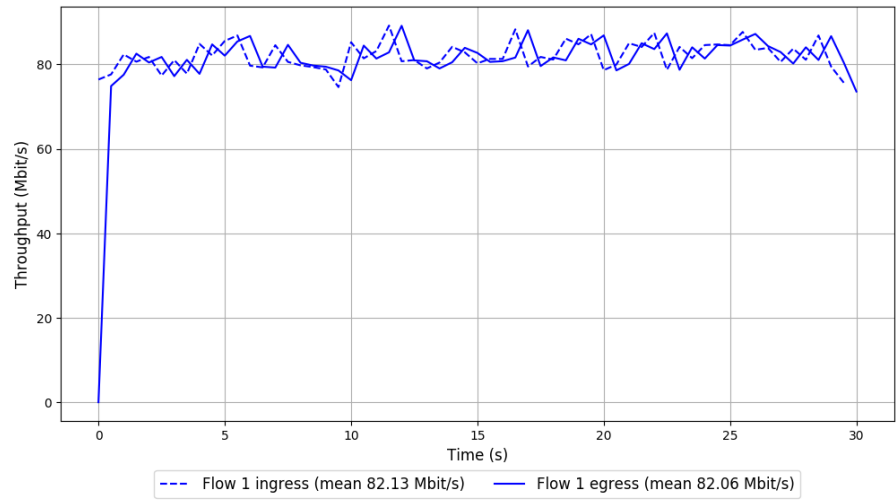
Run 5: Statistics of LEDBAT

Start at: 2018-08-22 12:26:54  
End at: 2018-08-22 12:27:24  
Local clock offset: -5.117 ms  
Remote clock offset: -1.077 ms

# Below is generated by plot.py at 2018-08-22 14:23:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.06 Mbit/s  
95th percentile per-packet one-way delay: 15.293 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 82.06 Mbit/s  
95th percentile per-packet one-way delay: 15.293 ms  
Loss rate: 0.10%



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



Run 6: Statistics of LEDBAT

Start at: 2018-08-22 12:45:49

End at: 2018-08-22 12:46:19

Local clock offset: -2.898 ms

Remote clock offset: -3.14 ms

# Below is generated by plot.py at 2018-08-22 14:23:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.31 Mbit/s

95th percentile per-packet one-way delay: 14.614 ms

Loss rate: 0.09%

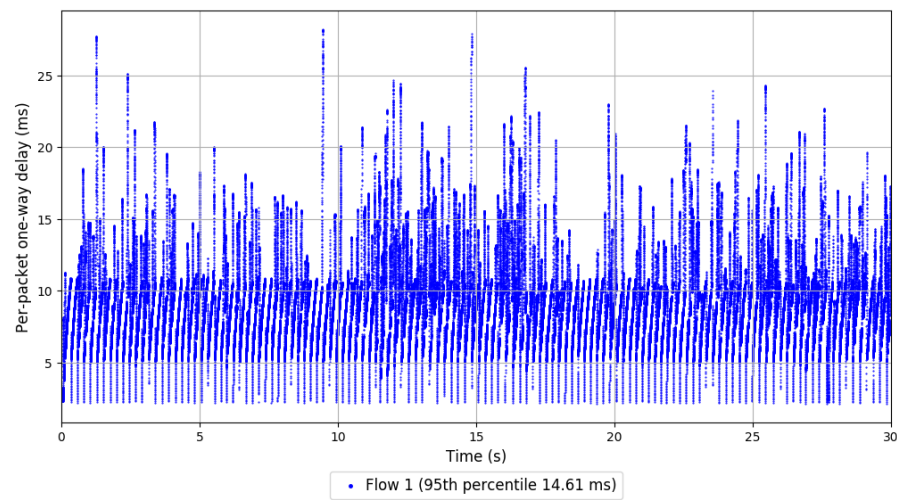
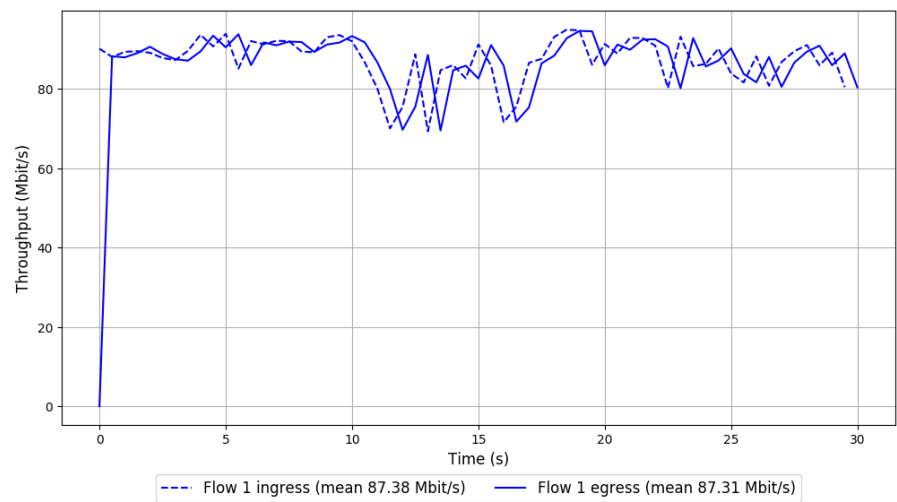
-- Flow 1:

Average throughput: 87.31 Mbit/s

95th percentile per-packet one-way delay: 14.614 ms

Loss rate: 0.09%

Run 6: Report of LEDBAT — Data Link

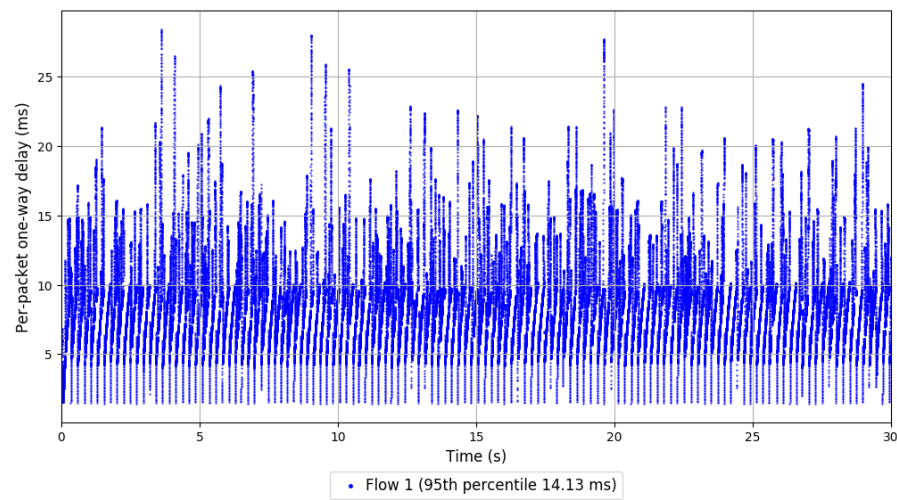
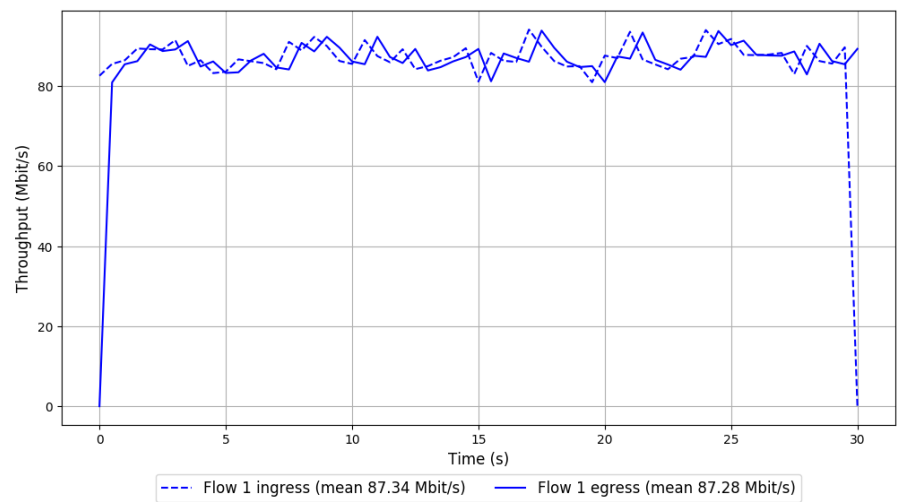


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 13:04:42  
End at: 2018-08-22 13:05:13  
Local clock offset: -2.728 ms  
Remote clock offset: -3.346 ms

# Below is generated by plot.py at 2018-08-22 14:23:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.28 Mbit/s  
95th percentile per-packet one-way delay: 14.128 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 87.28 Mbit/s  
95th percentile per-packet one-way delay: 14.128 ms  
Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link

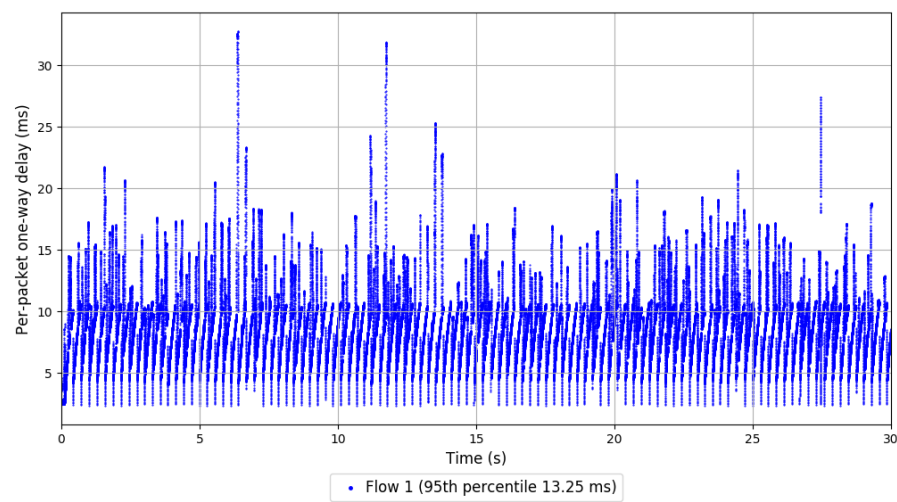
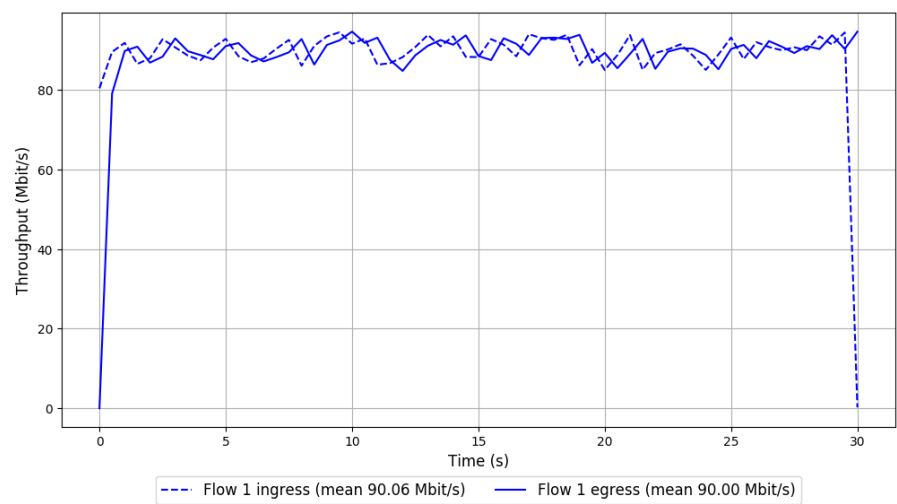


Run 8: Statistics of LEDBAT

Start at: 2018-08-22 13:23:39  
End at: 2018-08-22 13:24:09  
Local clock offset: -2.223 ms  
Remote clock offset: -3.376 ms

# Below is generated by plot.py at 2018-08-22 14:23:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.00 Mbit/s  
95th percentile per-packet one-way delay: 13.248 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 90.00 Mbit/s  
95th percentile per-packet one-way delay: 13.248 ms  
Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link



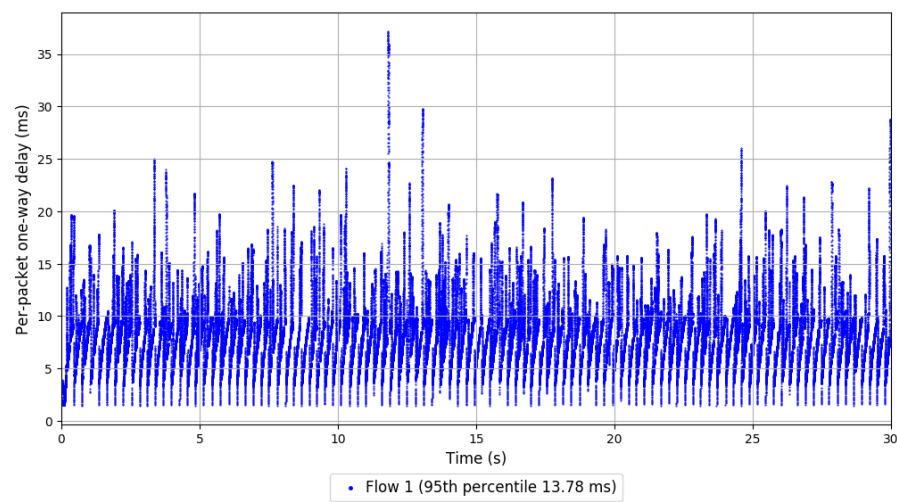
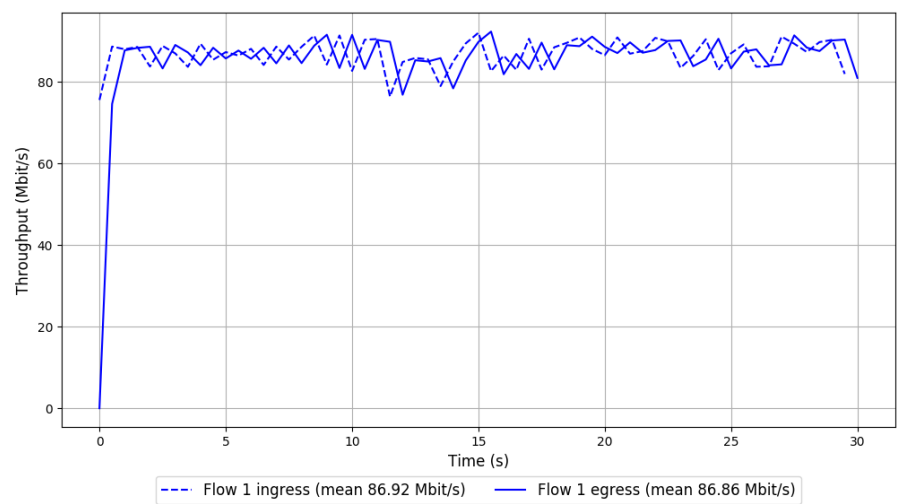
Run 9: Statistics of LEDBAT

Start at: 2018-08-22 13:42:33  
End at: 2018-08-22 13:43:03  
Local clock offset: -3.752 ms  
Remote clock offset: -2.903 ms

# Below is generated by plot.py at 2018-08-22 14:23:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.86 Mbit/s  
95th percentile per-packet one-way delay: 13.781 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 86.86 Mbit/s  
95th percentile per-packet one-way delay: 13.781 ms  
Loss rate: 0.08%



Run 9: Report of LEDBAT — Data Link

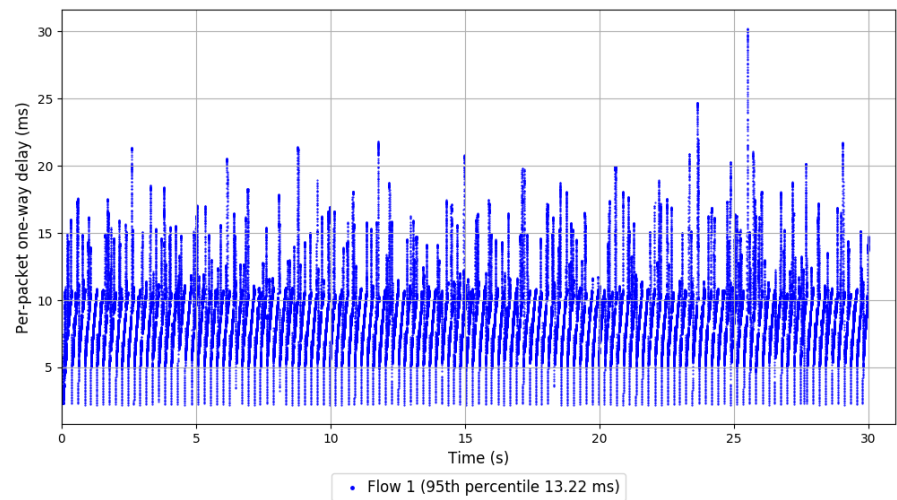
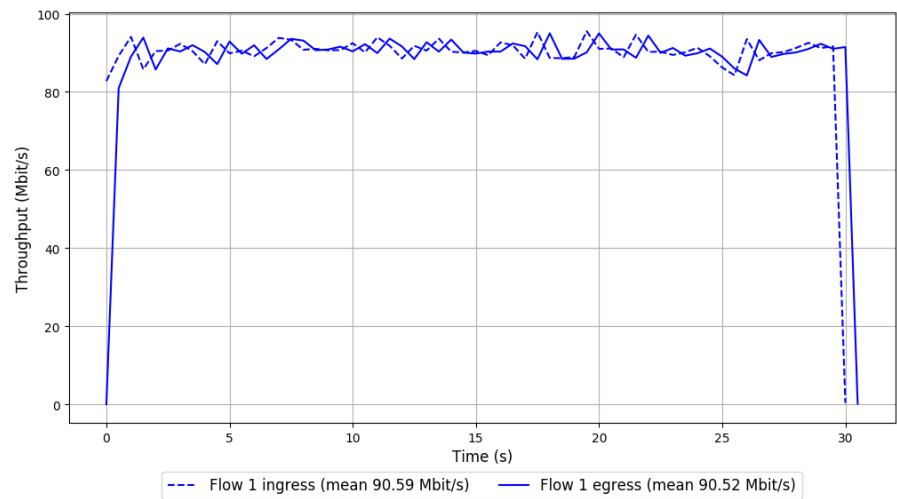


Run 10: Statistics of LEDBAT

Start at: 2018-08-22 14:01:28  
End at: 2018-08-22 14:01:58  
Local clock offset: -3.853 ms  
Remote clock offset: -2.389 ms

# Below is generated by plot.py at 2018-08-22 14:23:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.52 Mbit/s  
95th percentile per-packet one-way delay: 13.225 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 90.52 Mbit/s  
95th percentile per-packet one-way delay: 13.225 ms  
Loss rate: 0.10%

Run 10: Report of LEDBAT — Data Link

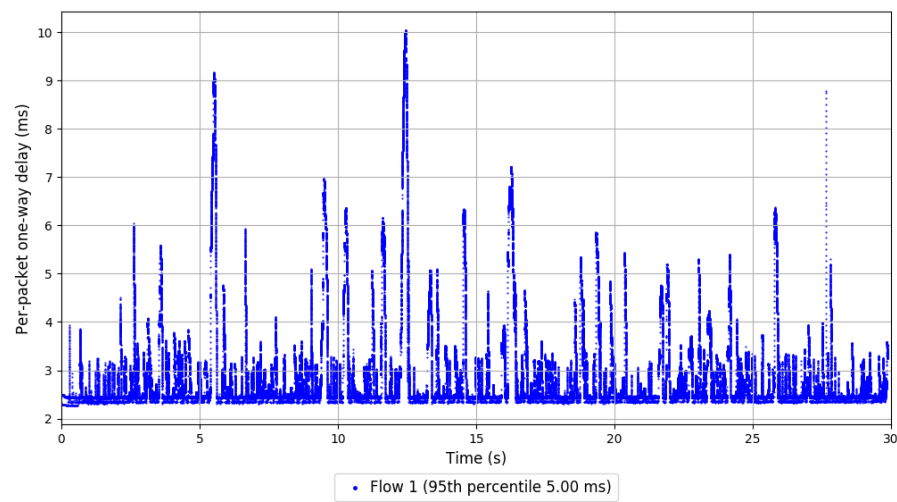
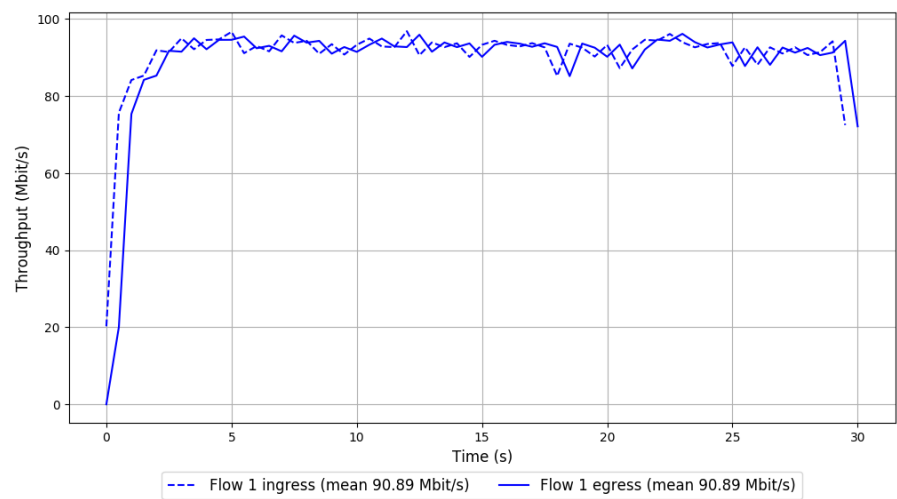


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 11:05:33
End at: 2018-08-22 11:06:03
Local clock offset: -5.033 ms
Remote clock offset: -2.398 ms

# Below is generated by plot.py at 2018-08-22 14:24:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 5.001 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 5.001 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 11:24:29

End at: 2018-08-22 11:24:59

Local clock offset: -3.941 ms

Remote clock offset: -4.234 ms

# Below is generated by plot.py at 2018-08-22 14:24:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 3.637 ms

Loss rate: 0.01%

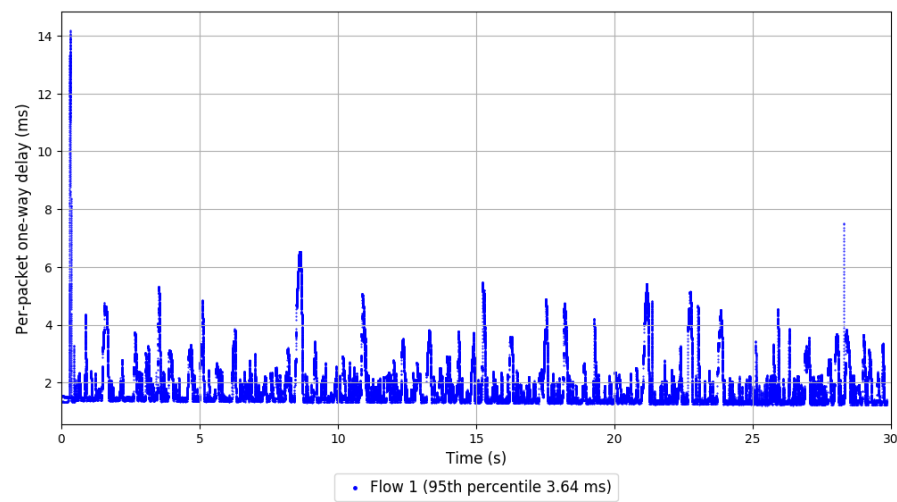
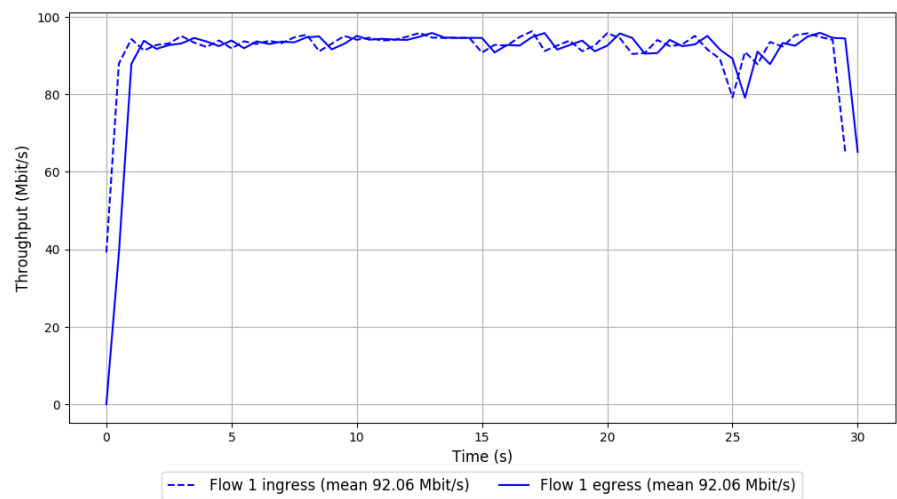
-- Flow 1:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 3.637 ms

Loss rate: 0.01%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 11:43:29

End at: 2018-08-22 11:43:59

Local clock offset: -4.759 ms

Remote clock offset: -6.988 ms

# Below is generated by plot.py at 2018-08-22 14:24:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.08 Mbit/s

95th percentile per-packet one-way delay: 4.521 ms

Loss rate: 0.01%

-- Flow 1:

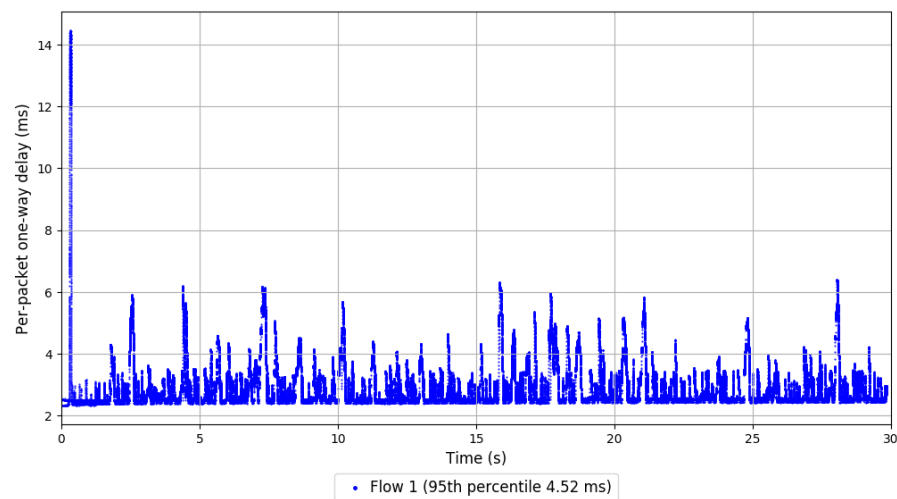
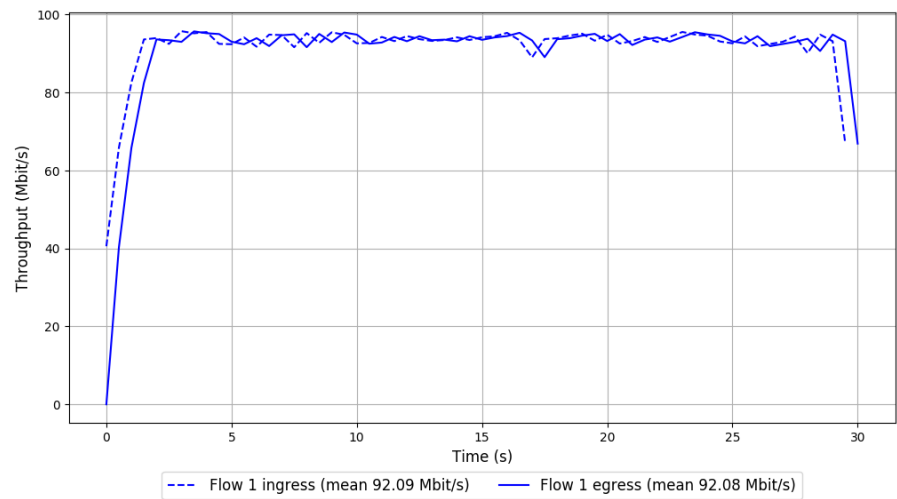
Average throughput: 92.08 Mbit/s

95th percentile per-packet one-way delay: 4.521 ms

Loss rate: 0.01%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 12:02:29

End at: 2018-08-22 12:02:59

Local clock offset: -6.754 ms

Remote clock offset: -3.661 ms

# Below is generated by plot.py at 2018-08-22 14:24:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 5.695 ms

Loss rate: 0.02%

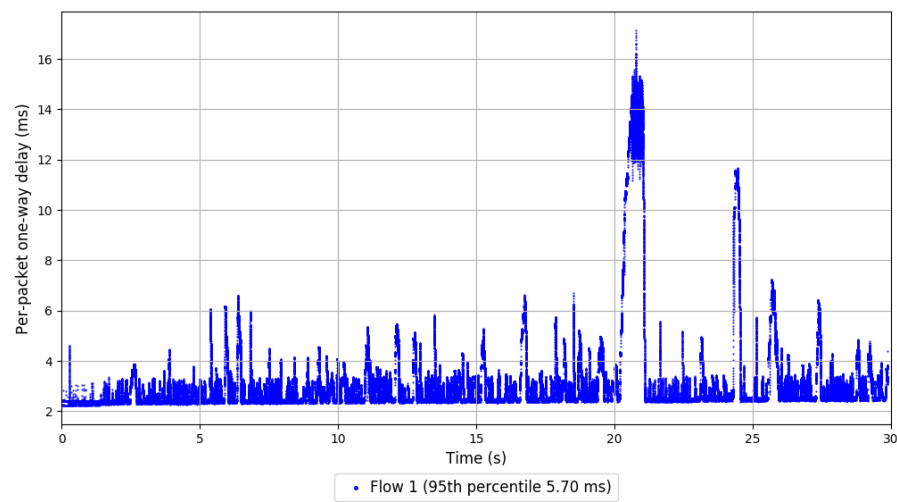
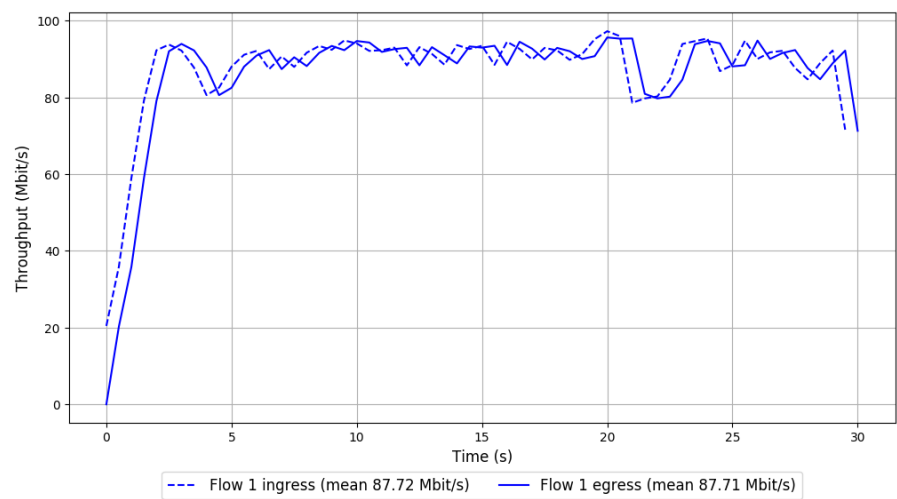
-- Flow 1:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 5.695 ms

Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 12:21:24

End at: 2018-08-22 12:21:54

Local clock offset: -4.693 ms

Remote clock offset: -1.393 ms

# Below is generated by plot.py at 2018-08-22 14:24:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.30 Mbit/s

95th percentile per-packet one-way delay: 16.305 ms

Loss rate: 0.08%

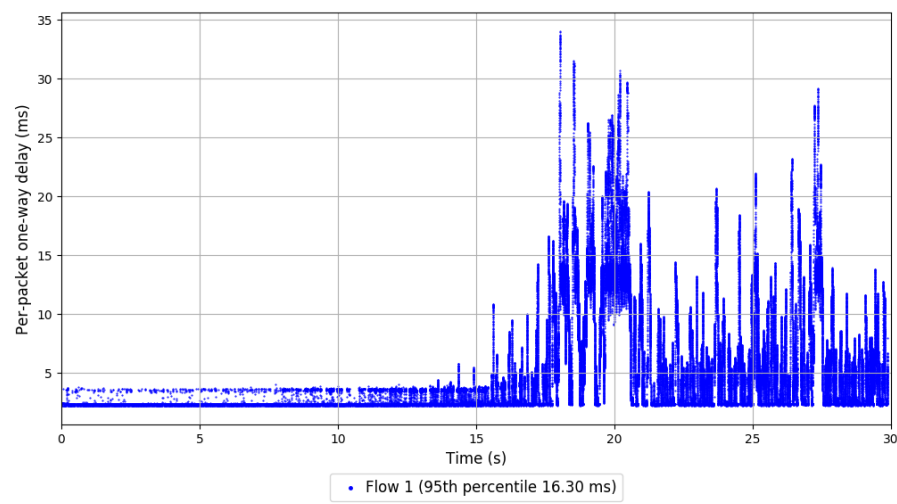
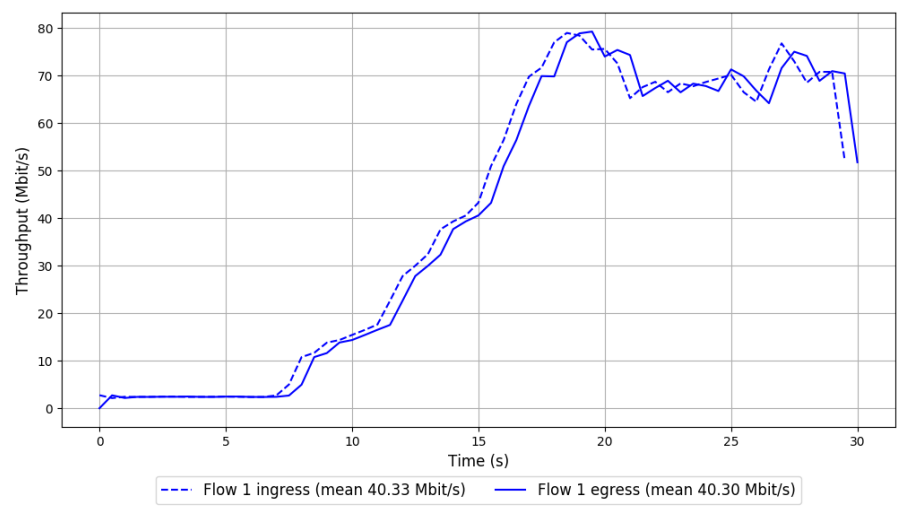
-- Flow 1:

Average throughput: 40.30 Mbit/s

95th percentile per-packet one-way delay: 16.305 ms

Loss rate: 0.08%

Run 5: Report of PCC-Allegro — Data Link

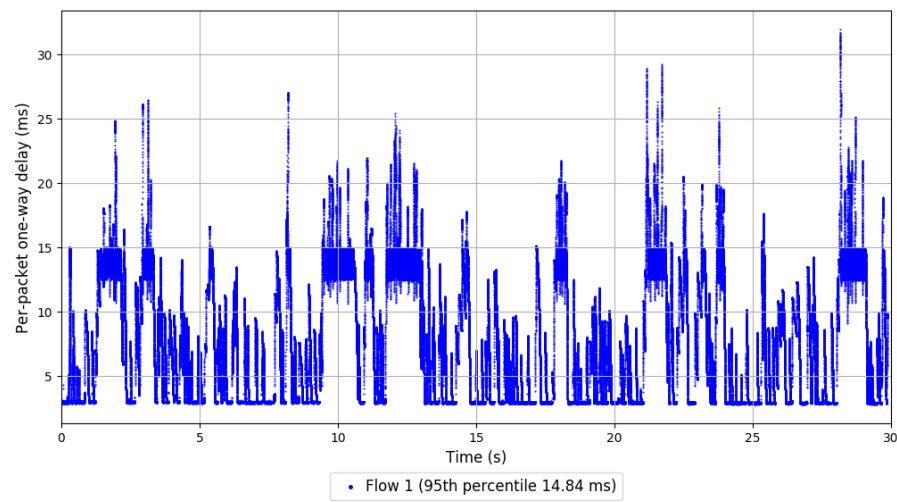
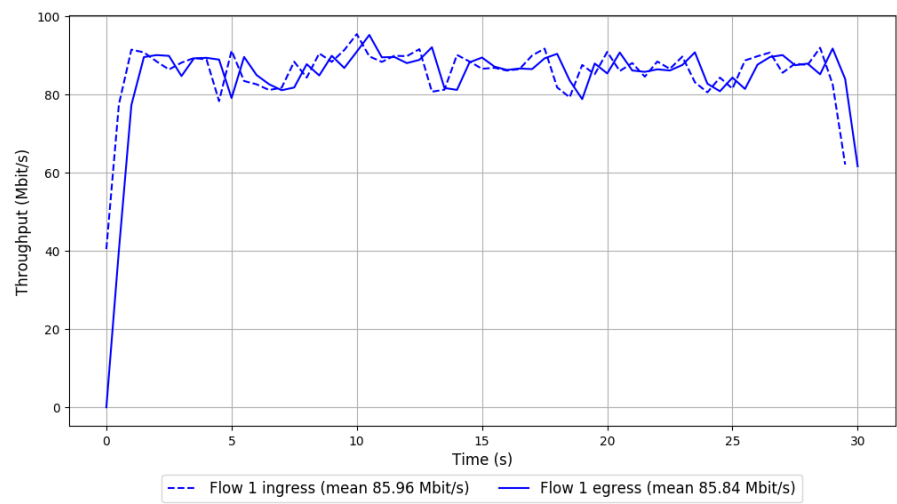


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 12:40:15  
End at: 2018-08-22 12:40:45  
Local clock offset: -2.802 ms  
Remote clock offset: -2.868 ms

# Below is generated by plot.py at 2018-08-22 14:24:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.84 Mbit/s  
95th percentile per-packet one-way delay: 14.840 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 85.84 Mbit/s  
95th percentile per-packet one-way delay: 14.840 ms  
Loss rate: 0.15%

Run 6: Report of PCC-Allegro — Data Link



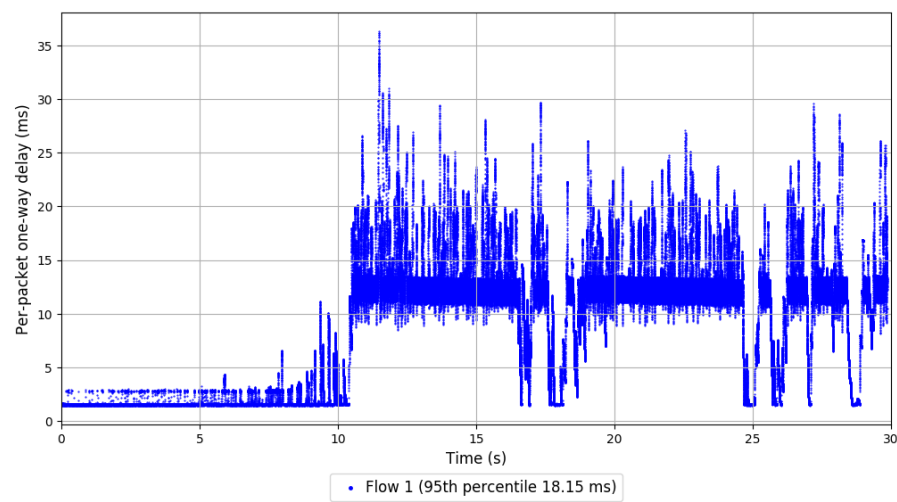
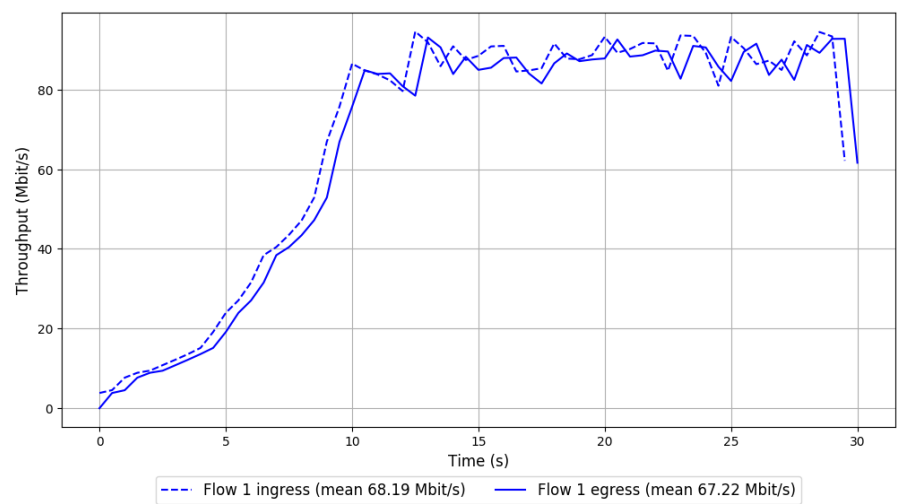
Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 12:59:10  
End at: 2018-08-22 12:59:40  
Local clock offset: -2.898 ms  
Remote clock offset: -3.352 ms

# Below is generated by plot.py at 2018-08-22 14:24:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.22 Mbit/s  
95th percentile per-packet one-way delay: 18.149 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 67.22 Mbit/s  
95th percentile per-packet one-way delay: 18.149 ms  
Loss rate: 1.43%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 13:18:04

End at: 2018-08-22 13:18:34

Local clock offset: -2.26 ms

Remote clock offset: -3.296 ms

# Below is generated by plot.py at 2018-08-22 14:24:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.30 Mbit/s

95th percentile per-packet one-way delay: 16.615 ms

Loss rate: 0.52%

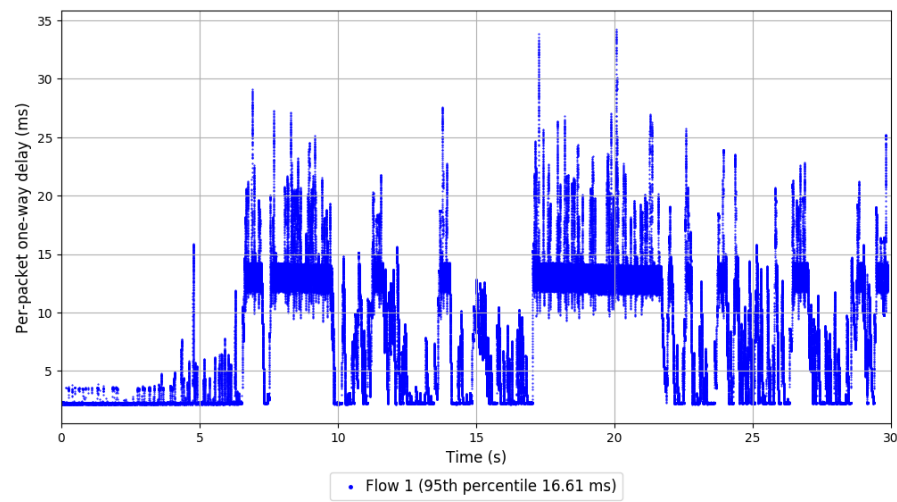
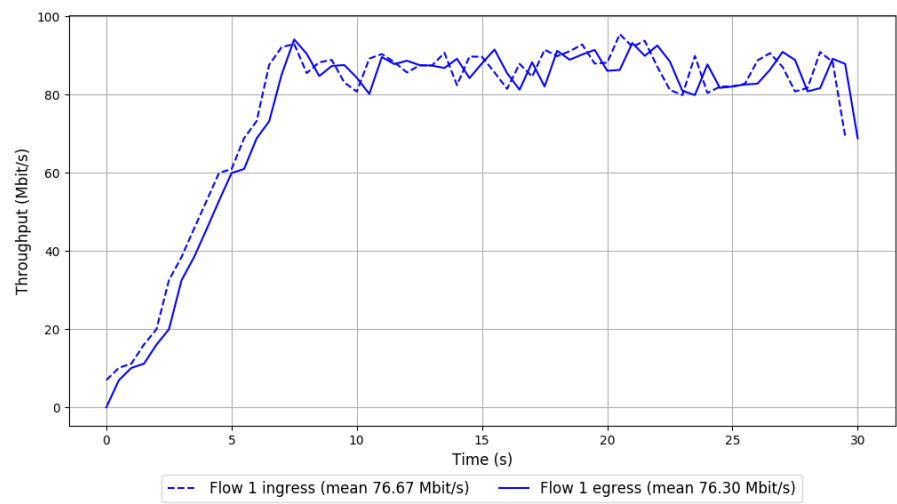
-- Flow 1:

Average throughput: 76.30 Mbit/s

95th percentile per-packet one-way delay: 16.615 ms

Loss rate: 0.52%

Run 8: Report of PCC-Allegro — Data Link

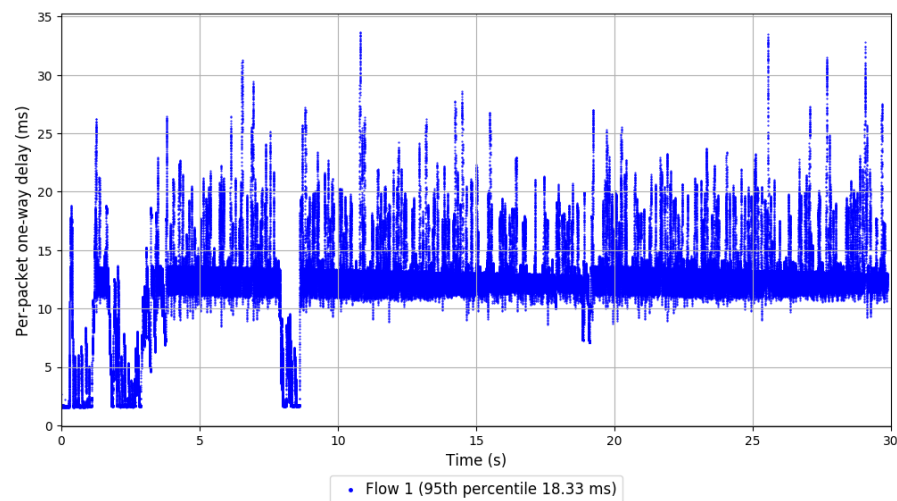
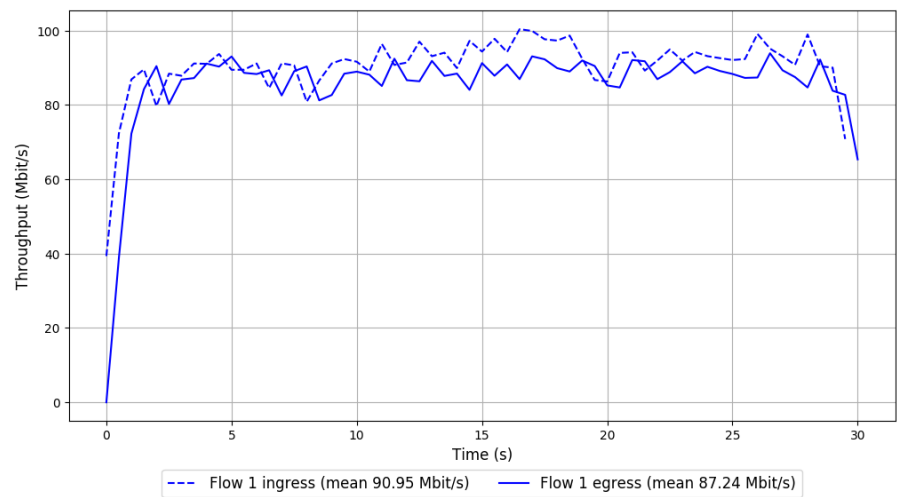


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 13:37:00  
End at: 2018-08-22 13:37:30  
Local clock offset: -2.891 ms  
Remote clock offset: -3.242 ms

# Below is generated by plot.py at 2018-08-22 14:25:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.24 Mbit/s  
95th percentile per-packet one-way delay: 18.329 ms  
Loss rate: 4.09%  
-- Flow 1:  
Average throughput: 87.24 Mbit/s  
95th percentile per-packet one-way delay: 18.329 ms  
Loss rate: 4.09%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 13:55:54

End at: 2018-08-22 13:56:24

Local clock offset: -4.511 ms

Remote clock offset: -2.5 ms

# Below is generated by plot.py at 2018-08-22 14:25:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.06 Mbit/s

95th percentile per-packet one-way delay: 13.311 ms

Loss rate: 0.11%

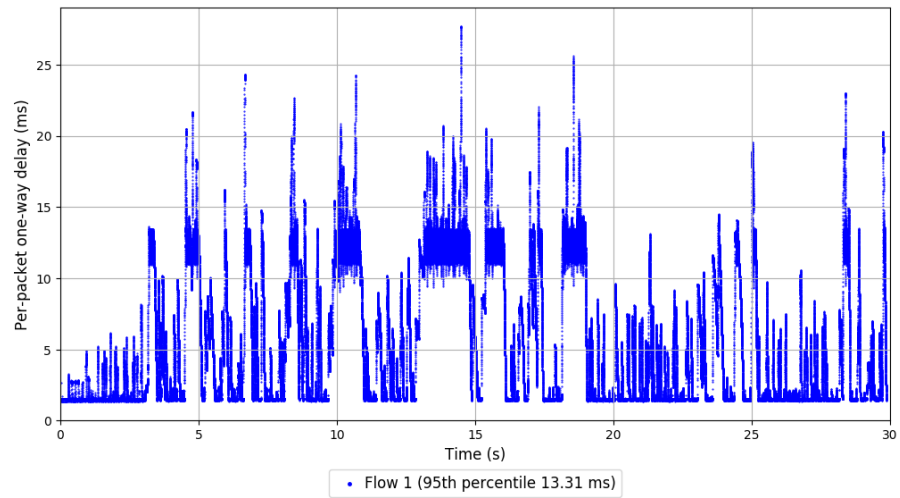
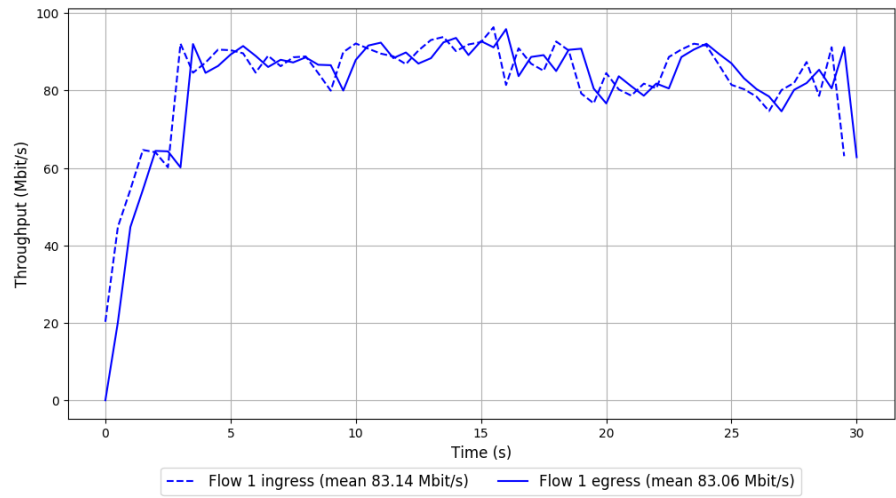
-- Flow 1:

Average throughput: 83.06 Mbit/s

95th percentile per-packet one-way delay: 13.311 ms

Loss rate: 0.11%

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



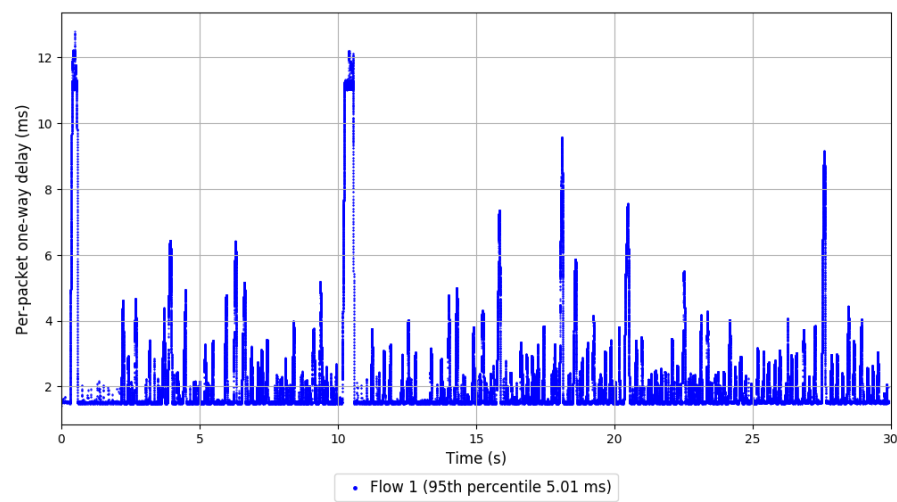
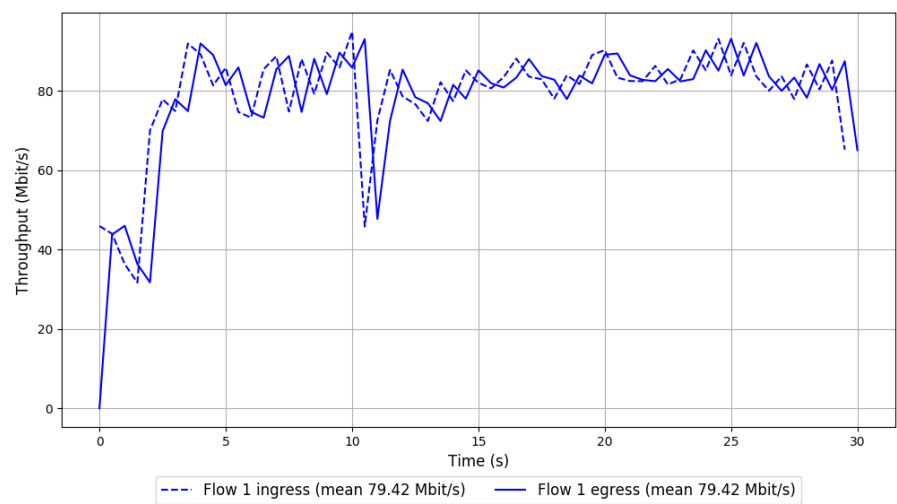
Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 11:03:17  
End at: 2018-08-22 11:03:47  
Local clock offset: -5.759 ms  
Remote clock offset: -2.263 ms

# Below is generated by plot.py at 2018-08-22 14:26:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.42 Mbit/s  
95th percentile per-packet one-way delay: 5.015 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 79.42 Mbit/s  
95th percentile per-packet one-way delay: 5.015 ms  
Loss rate: 0.01%



Run 1: Report of PCC-Expr — Data Link

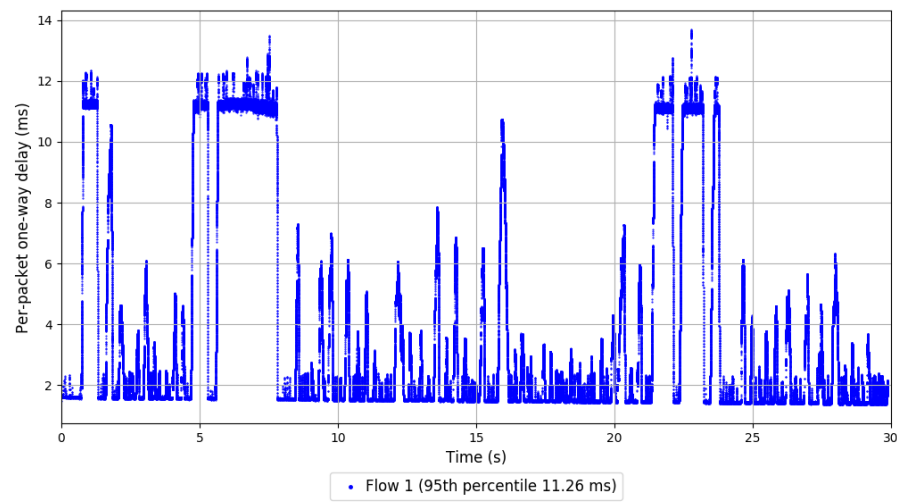
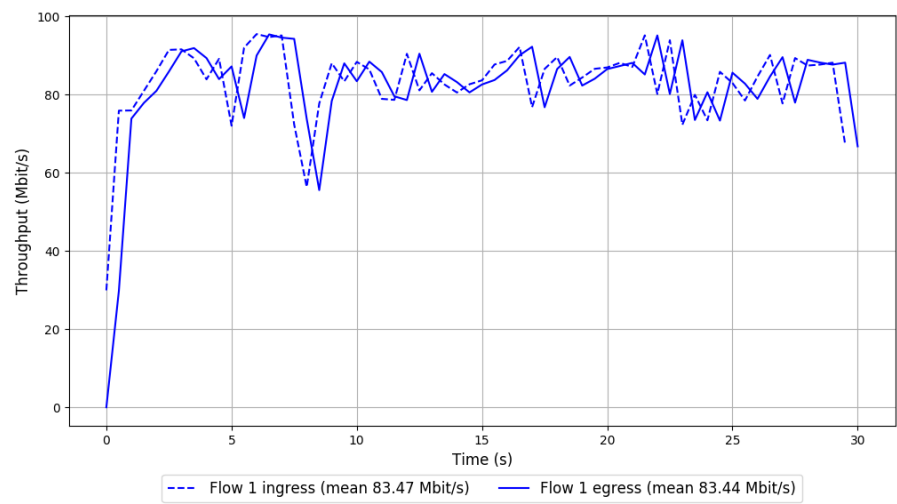


Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 11:22:13  
End at: 2018-08-22 11:22:43  
Local clock offset: -4.023 ms  
Remote clock offset: -3.586 ms

# Below is generated by plot.py at 2018-08-22 14:26:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.44 Mbit/s  
95th percentile per-packet one-way delay: 11.259 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 83.44 Mbit/s  
95th percentile per-packet one-way delay: 11.259 ms  
Loss rate: 0.05%

Run 2: Report of PCC-Expr — Data Link

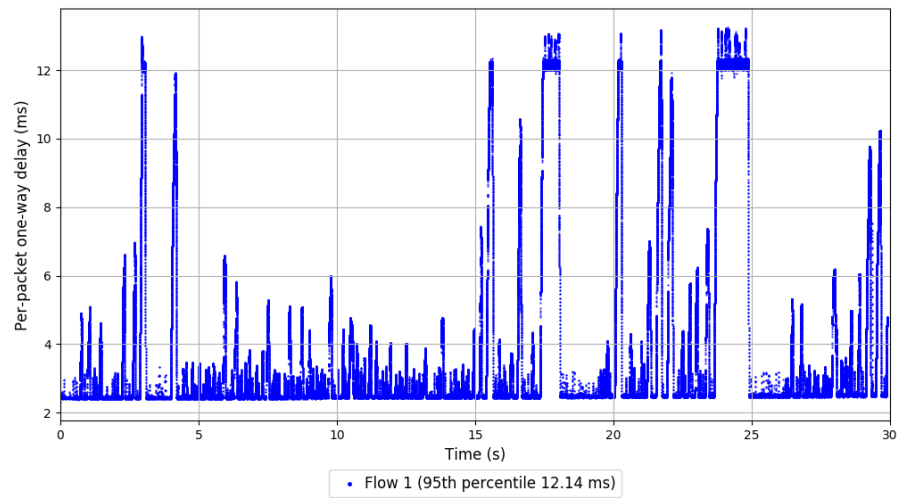
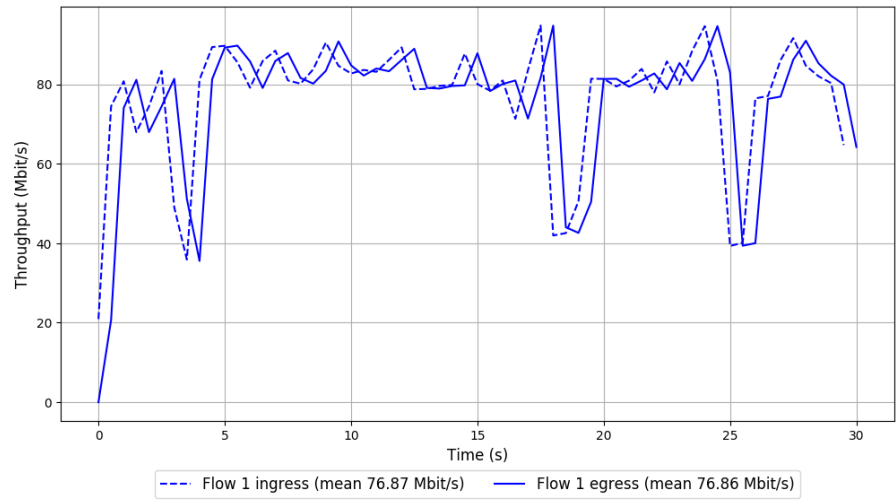


Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 11:41:13  
End at: 2018-08-22 11:41:43  
Local clock offset: -4.23 ms  
Remote clock offset: -6.752 ms

# Below is generated by plot.py at 2018-08-22 14:26:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.86 Mbit/s  
95th percentile per-packet one-way delay: 12.145 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 76.86 Mbit/s  
95th percentile per-packet one-way delay: 12.145 ms  
Loss rate: 0.03%

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

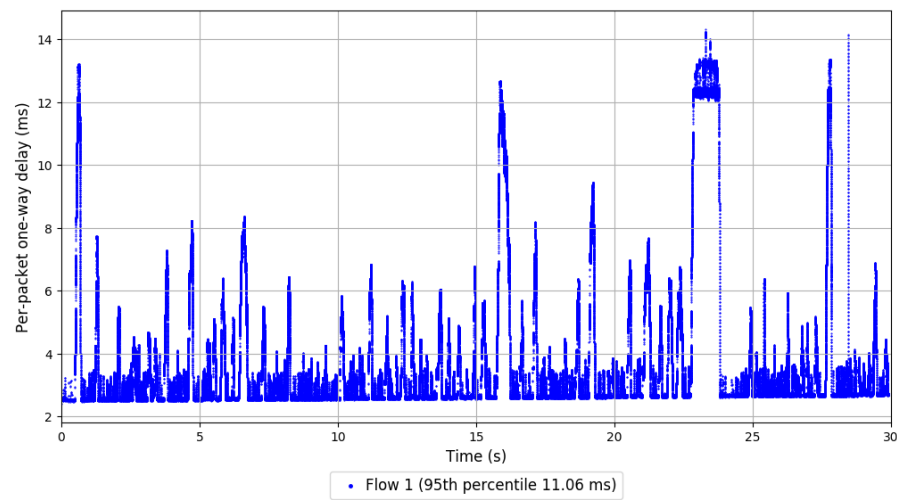
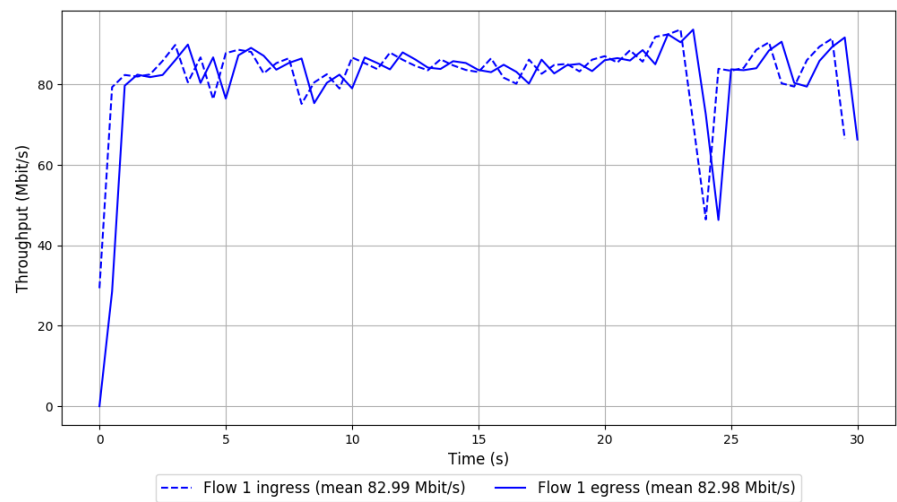


Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 12:00:12  
End at: 2018-08-22 12:00:42  
Local clock offset: -6.61 ms  
Remote clock offset: -4.426 ms

# Below is generated by plot.py at 2018-08-22 14:26:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.98 Mbit/s  
95th percentile per-packet one-way delay: 11.061 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 82.98 Mbit/s  
95th percentile per-packet one-way delay: 11.061 ms  
Loss rate: 0.01%

Run 4: Report of PCC-Expr — Data Link



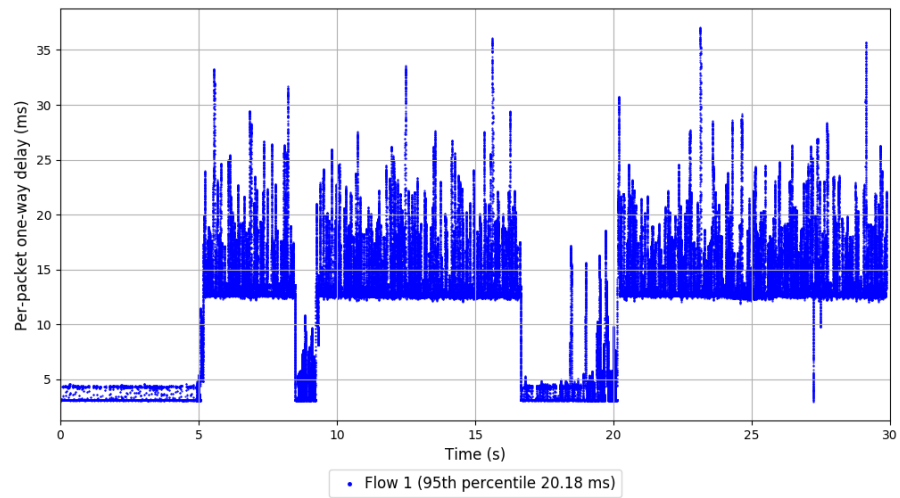
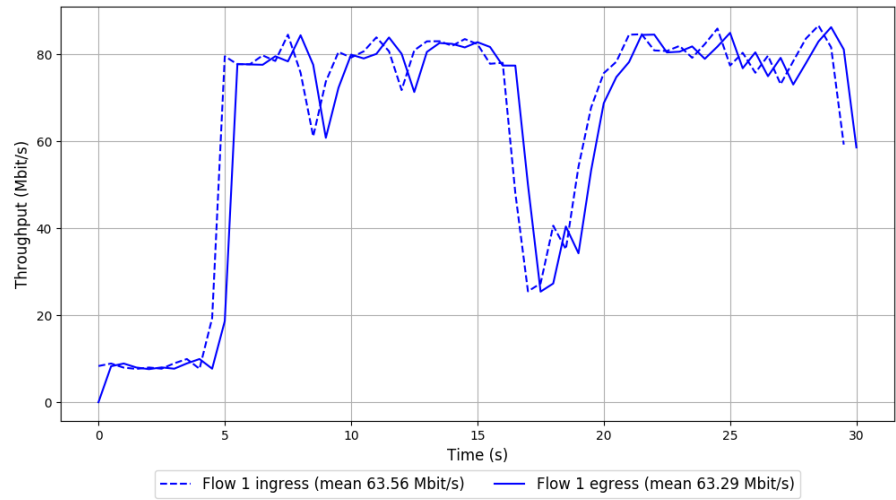
Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 12:19:09  
End at: 2018-08-22 12:19:39  
Local clock offset: -4.033 ms  
Remote clock offset: -1.455 ms

# Below is generated by plot.py at 2018-08-22 14:26:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.29 Mbit/s  
95th percentile per-packet one-way delay: 20.185 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 63.29 Mbit/s  
95th percentile per-packet one-way delay: 20.185 ms  
Loss rate: 0.45%



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

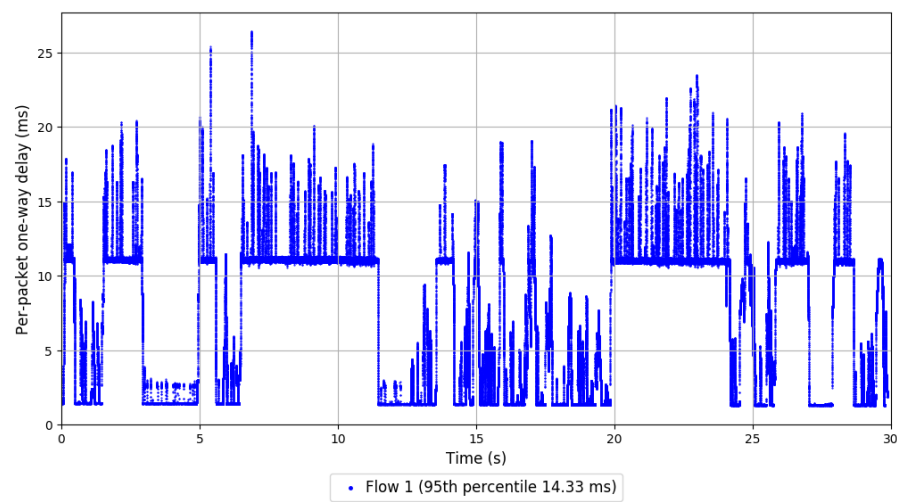
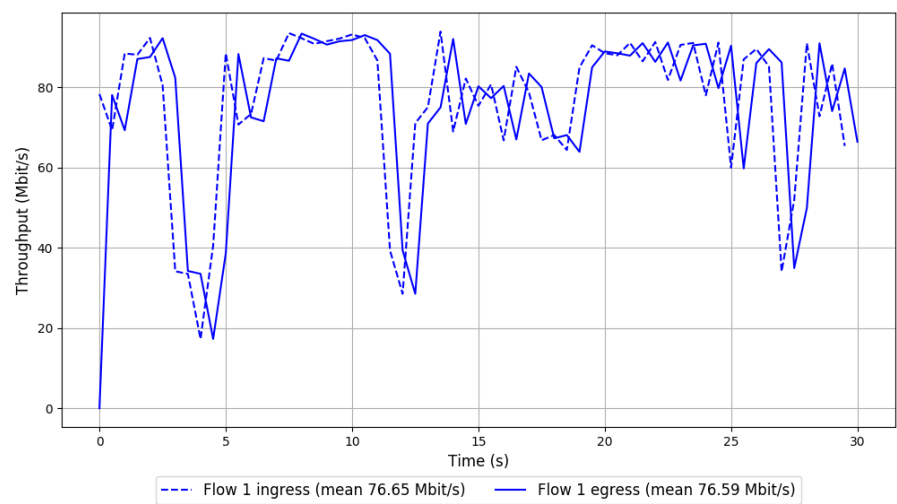


Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 12:37:59  
End at: 2018-08-22 12:38:29  
Local clock offset: -4.774 ms  
Remote clock offset: -2.736 ms

# Below is generated by plot.py at 2018-08-22 14:26:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.59 Mbit/s  
95th percentile per-packet one-way delay: 14.326 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 76.59 Mbit/s  
95th percentile per-packet one-way delay: 14.326 ms  
Loss rate: 0.09%

Run 6: Report of PCC-Expr — Data Link

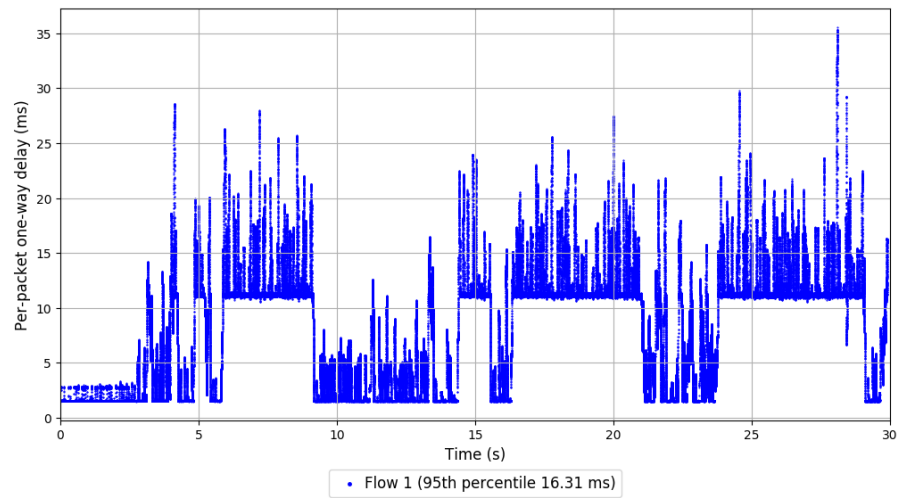
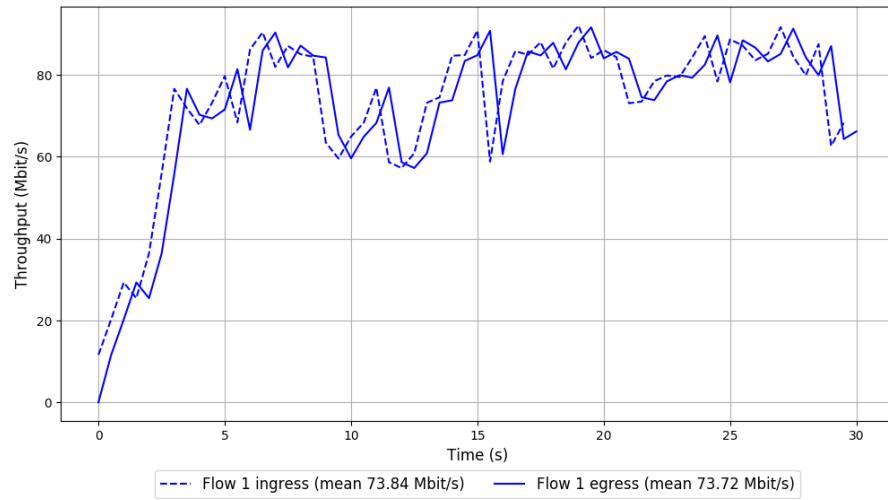


Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 12:56:54  
End at: 2018-08-22 12:57:24  
Local clock offset: -3.004 ms  
Remote clock offset: -3.341 ms

# Below is generated by plot.py at 2018-08-22 14:26:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.72 Mbit/s  
95th percentile per-packet one-way delay: 16.313 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 73.72 Mbit/s  
95th percentile per-packet one-way delay: 16.313 ms  
Loss rate: 0.17%

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

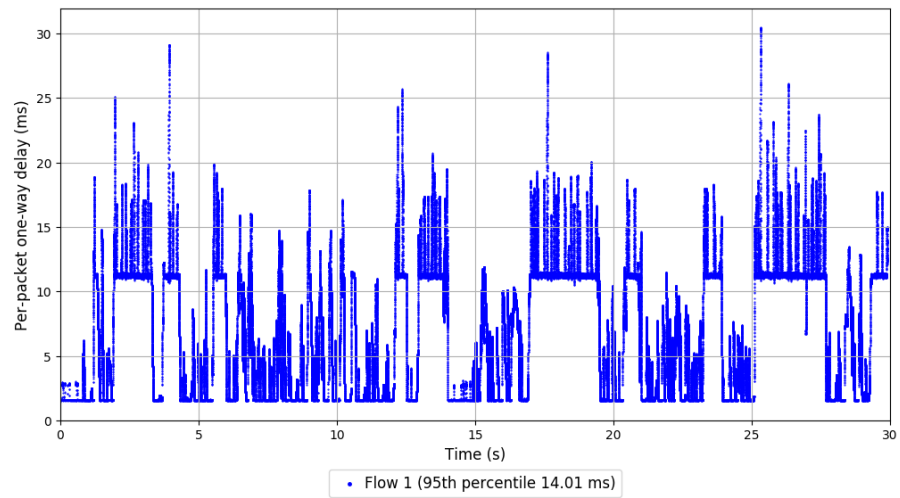
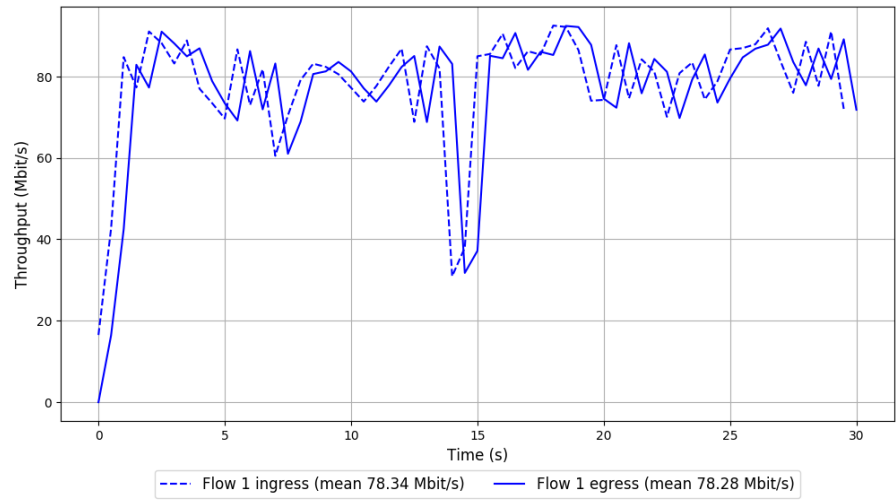


Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 13:15:48  
End at: 2018-08-22 13:16:18  
Local clock offset: -2.971 ms  
Remote clock offset: -3.329 ms

# Below is generated by plot.py at 2018-08-22 14:26:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.28 Mbit/s  
95th percentile per-packet one-way delay: 14.009 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 78.28 Mbit/s  
95th percentile per-packet one-way delay: 14.009 ms  
Loss rate: 0.09%

# Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 13:34:44

End at: 2018-08-22 13:35:14

Local clock offset: -2.977 ms

Remote clock offset: -3.289 ms

# Below is generated by plot.py at 2018-08-22 14:27:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.03 Mbit/s

95th percentile per-packet one-way delay: 16.715 ms

Loss rate: 0.28%

-- Flow 1:

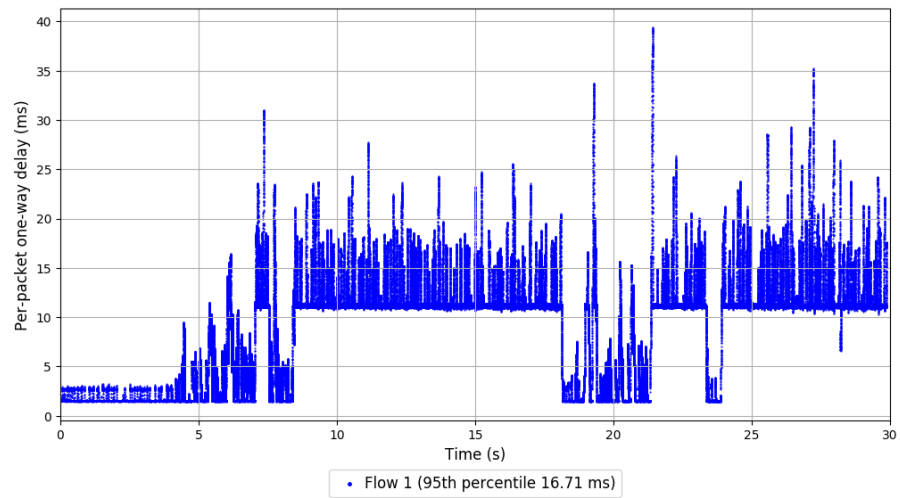
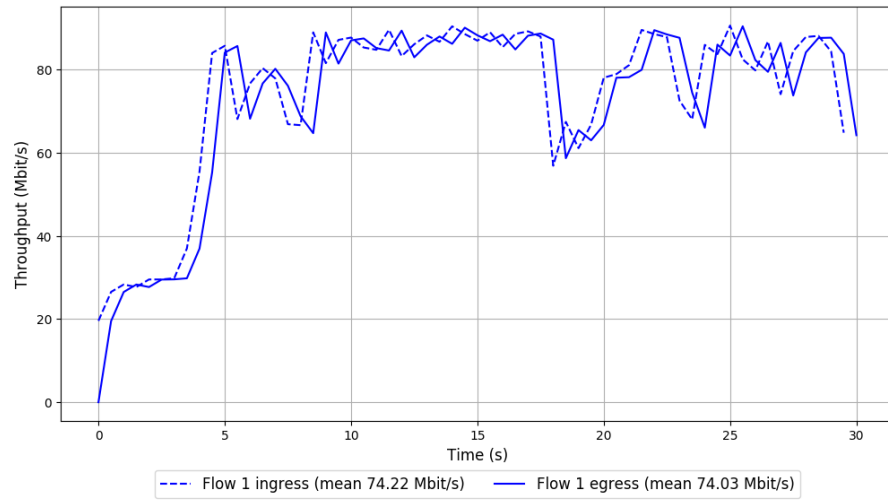
Average throughput: 74.03 Mbit/s

95th percentile per-packet one-way delay: 16.715 ms

Loss rate: 0.28%



### Run 9: Report of PCC-Expr — Data Link

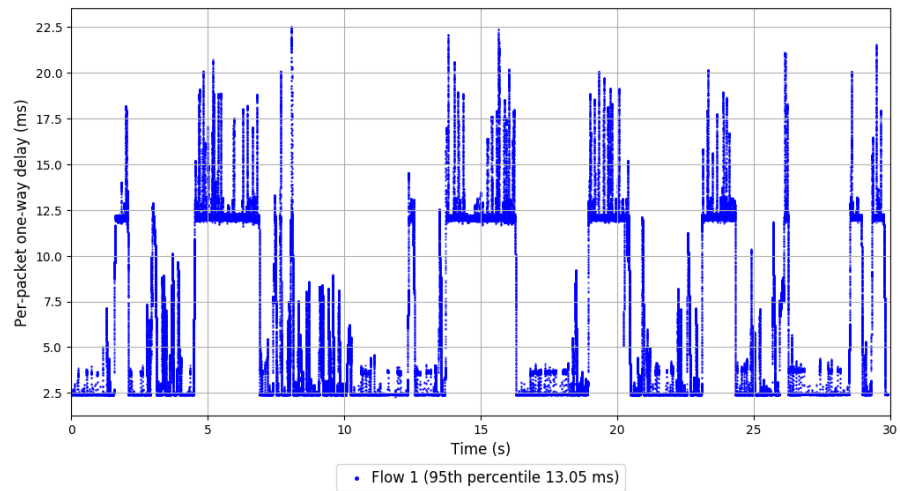
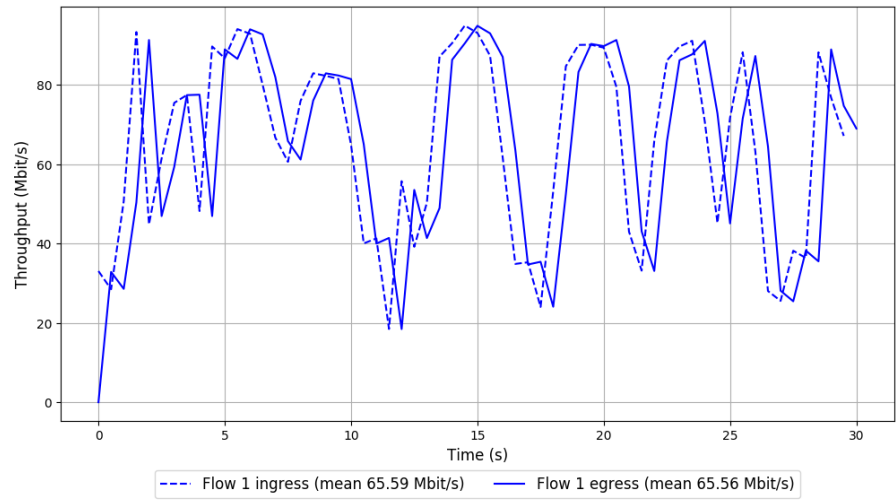


Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 13:53:38  
End at: 2018-08-22 13:54:08  
Local clock offset: -3.605 ms  
Remote clock offset: -2.617 ms

# Below is generated by plot.py at 2018-08-22 14:27:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.56 Mbit/s  
95th percentile per-packet one-way delay: 13.047 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 65.56 Mbit/s  
95th percentile per-packet one-way delay: 13.047 ms  
Loss rate: 0.05%

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



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 11:16:40

End at: 2018-08-22 11:17:10

Local clock offset: -3.602 ms

Remote clock offset: -2.28 ms

# Below is generated by plot.py at 2018-08-22 14:27:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 8.881 ms

Loss rate: 0.04%

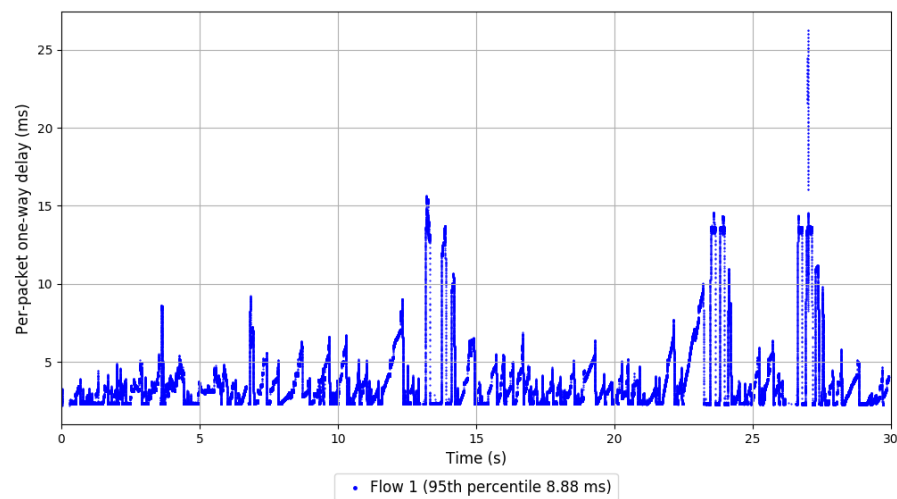
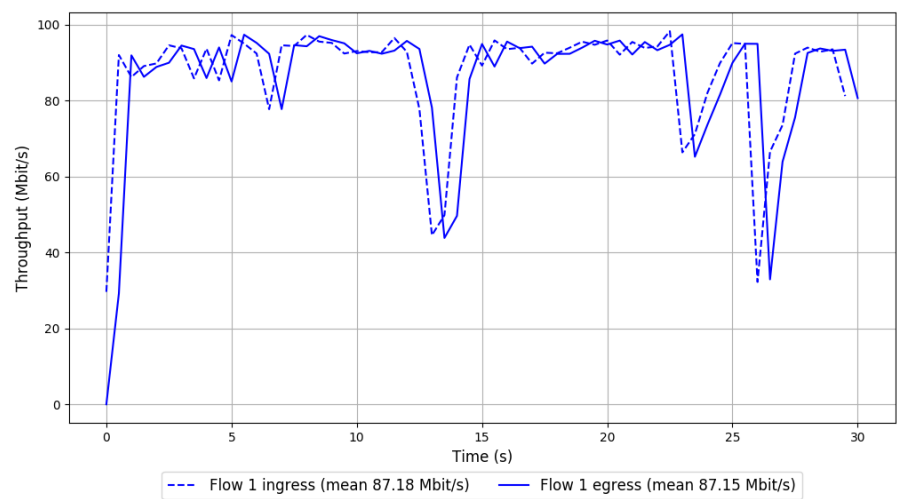
-- Flow 1:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 8.881 ms

Loss rate: 0.04%

Run 1: Report of QUIC Cubic — Data Link

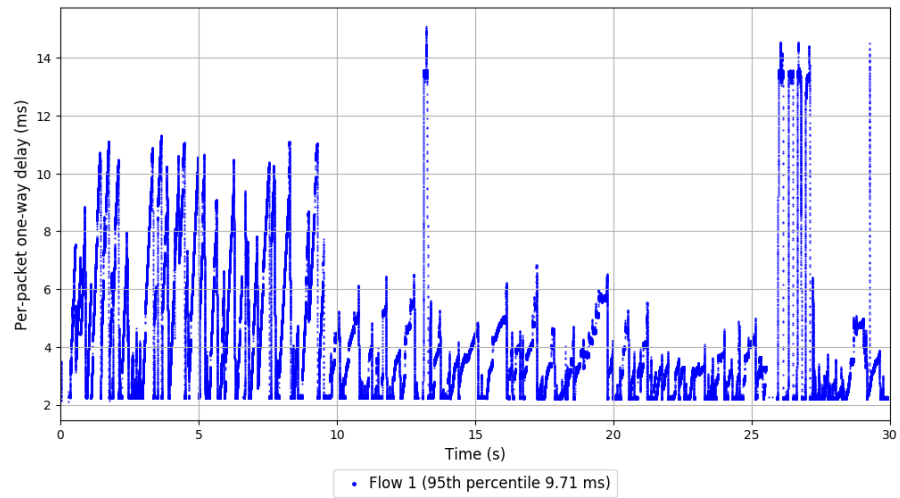
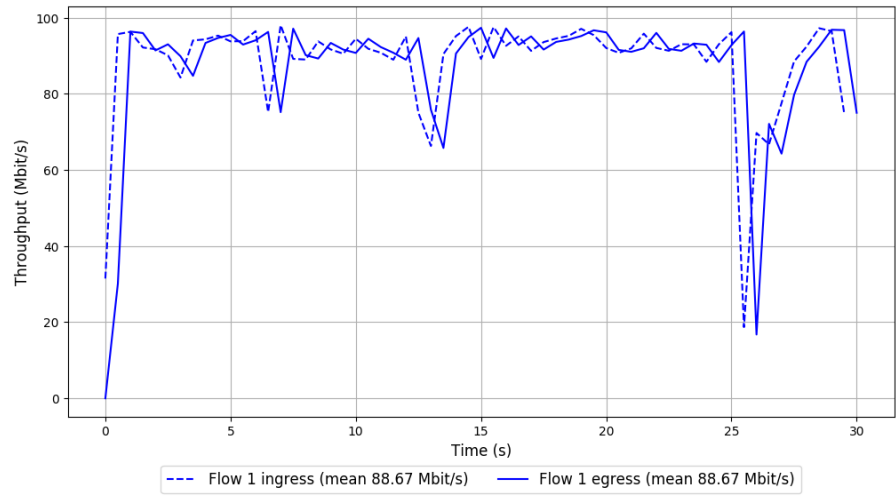


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 11:35:40  
End at: 2018-08-22 11:36:10  
Local clock offset: -2.979 ms  
Remote clock offset: -6.258 ms

# Below is generated by plot.py at 2018-08-22 14:27:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.67 Mbit/s  
95th percentile per-packet one-way delay: 9.712 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 88.67 Mbit/s  
95th percentile per-packet one-way delay: 9.712 ms  
Loss rate: 0.02%

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



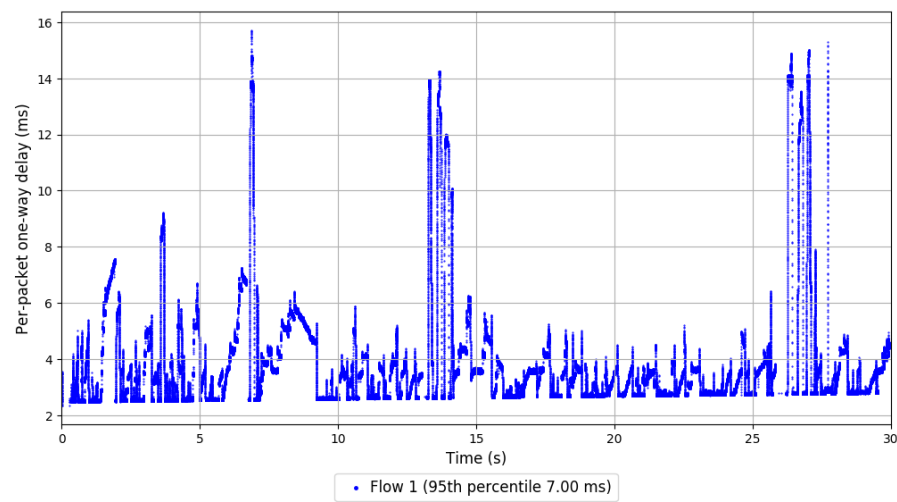
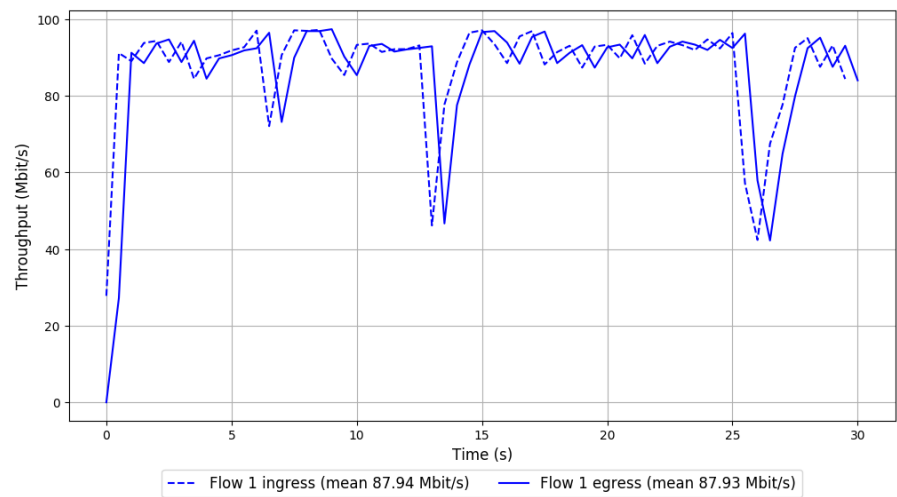
Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 11:54:39  
End at: 2018-08-22 11:55:10  
Local clock offset: -6.214 ms  
Remote clock offset: -6.762 ms

# Below is generated by plot.py at 2018-08-22 14:27:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.93 Mbit/s  
95th percentile per-packet one-way delay: 7.000 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 87.93 Mbit/s  
95th percentile per-packet one-way delay: 7.000 ms  
Loss rate: 0.02%



Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 12:13:38

End at: 2018-08-22 12:14:08

Local clock offset: -5.425 ms

Remote clock offset: -1.985 ms

# Below is generated by plot.py at 2018-08-22 14:27:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.31 Mbit/s

95th percentile per-packet one-way delay: 17.595 ms

Loss rate: 0.09%

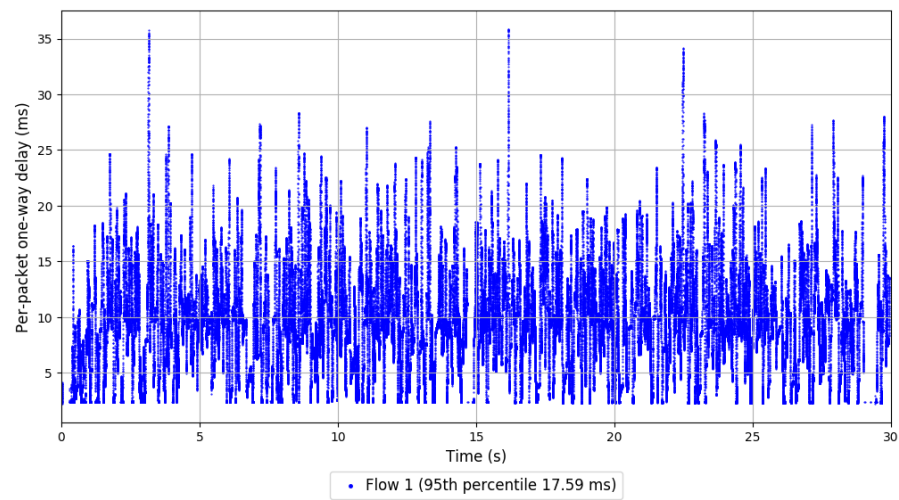
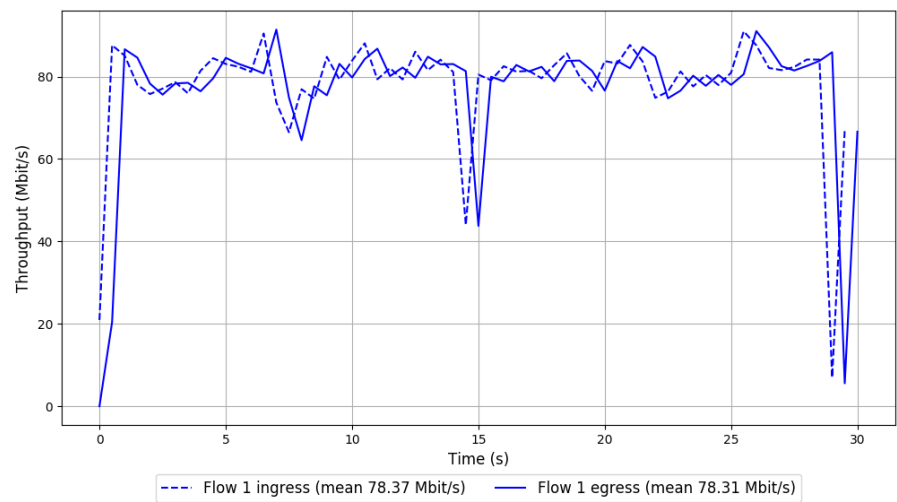
-- Flow 1:

Average throughput: 78.31 Mbit/s

95th percentile per-packet one-way delay: 17.595 ms

Loss rate: 0.09%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 12:32:27

End at: 2018-08-22 12:32:57

Local clock offset: -4.962 ms

Remote clock offset: -2.022 ms

# Below is generated by plot.py at 2018-08-22 14:27:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.86 Mbit/s

95th percentile per-packet one-way delay: 15.181 ms

Loss rate: 0.05%

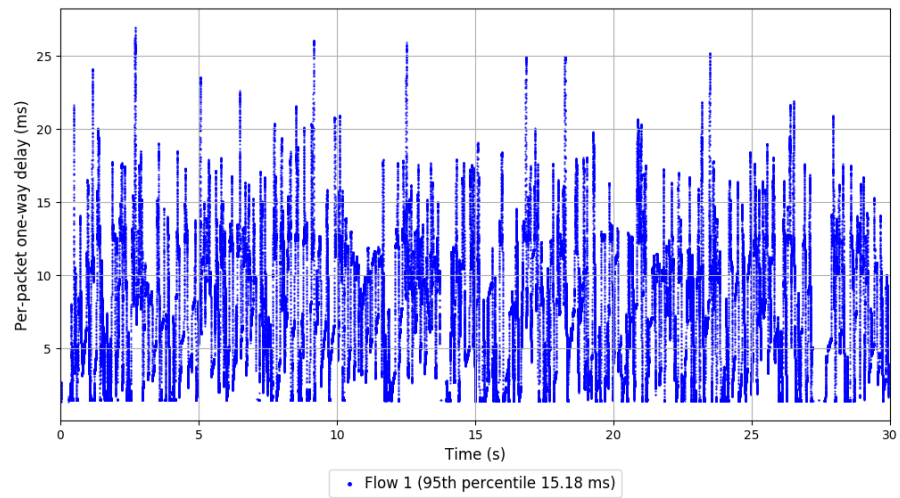
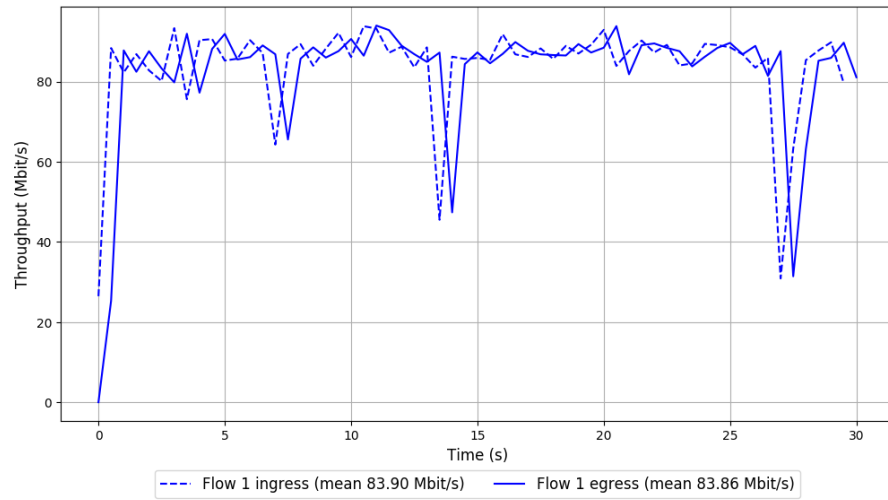
-- Flow 1:

Average throughput: 83.86 Mbit/s

95th percentile per-packet one-way delay: 15.181 ms

Loss rate: 0.05%

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



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 12:51:22

End at: 2018-08-22 12:51:53

Local clock offset: -2.505 ms

Remote clock offset: -3.317 ms

# Below is generated by plot.py at 2018-08-22 14:28:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.70 Mbit/s

95th percentile per-packet one-way delay: 16.251 ms

Loss rate: 0.08%

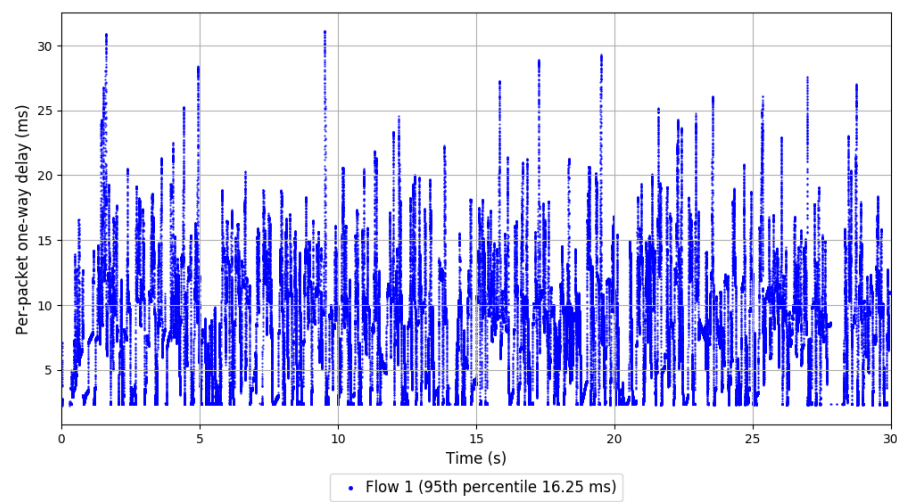
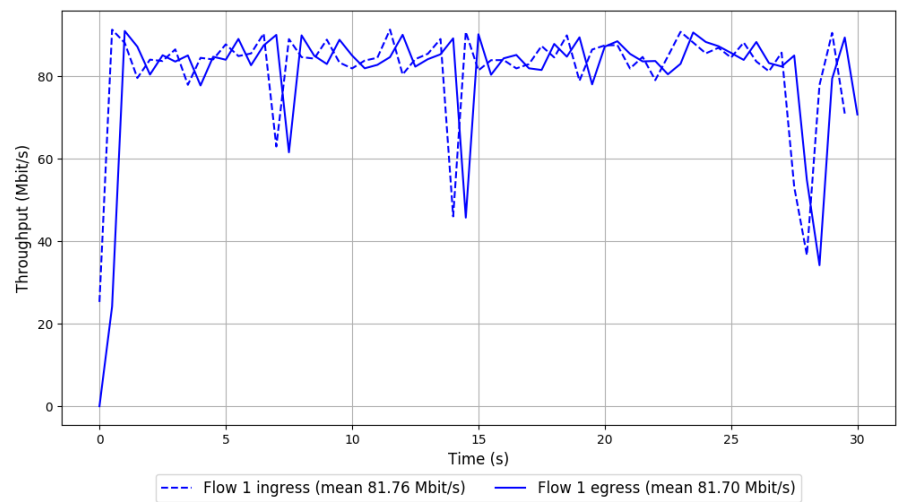
-- Flow 1:

Average throughput: 81.70 Mbit/s

95th percentile per-packet one-way delay: 16.251 ms

Loss rate: 0.08%

Run 6: Report of QUIC Cubic — Data Link



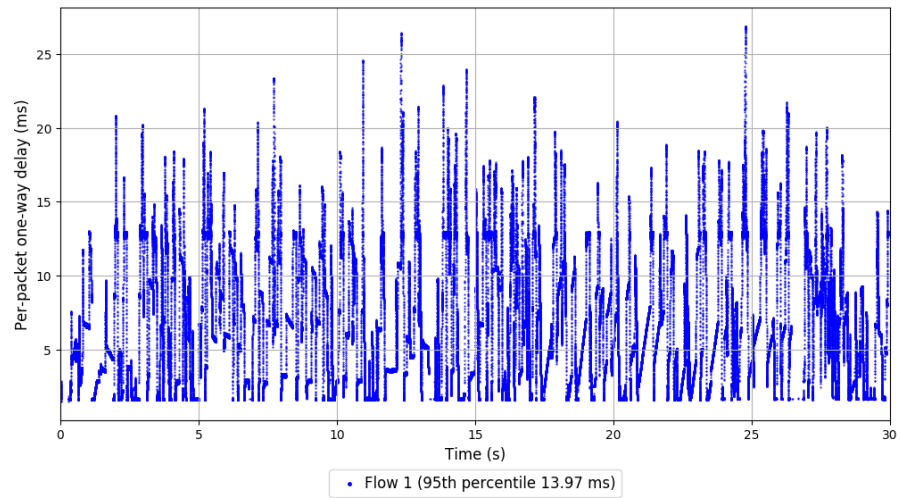
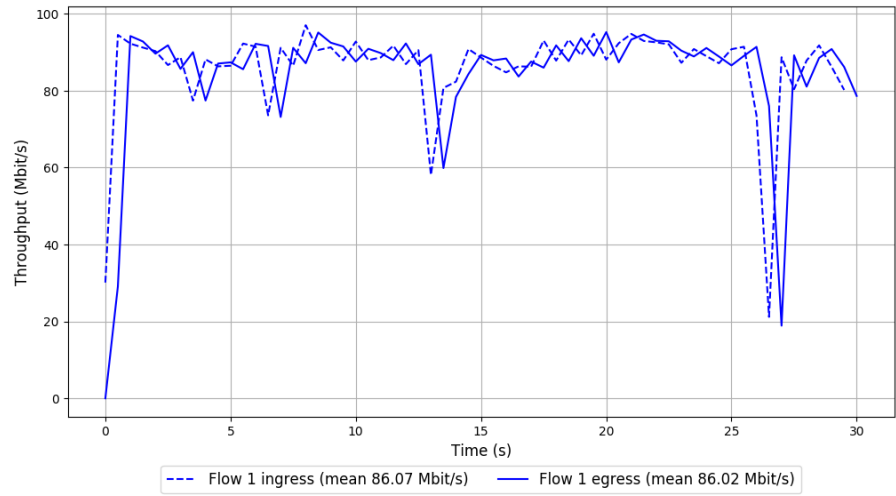
Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 13:10:16  
End at: 2018-08-22 13:10:46  
Local clock offset: -2.826 ms  
Remote clock offset: -3.358 ms

# Below is generated by plot.py at 2018-08-22 14:28:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.02 Mbit/s  
95th percentile per-packet one-way delay: 13.974 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 86.02 Mbit/s  
95th percentile per-packet one-way delay: 13.974 ms  
Loss rate: 0.09%



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



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 13:29:12

End at: 2018-08-22 13:29:42

Local clock offset: -2.21 ms

Remote clock offset: -3.291 ms

# Below is generated by plot.py at 2018-08-22 14:28:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.78 Mbit/s

95th percentile per-packet one-way delay: 13.964 ms

Loss rate: 0.04%

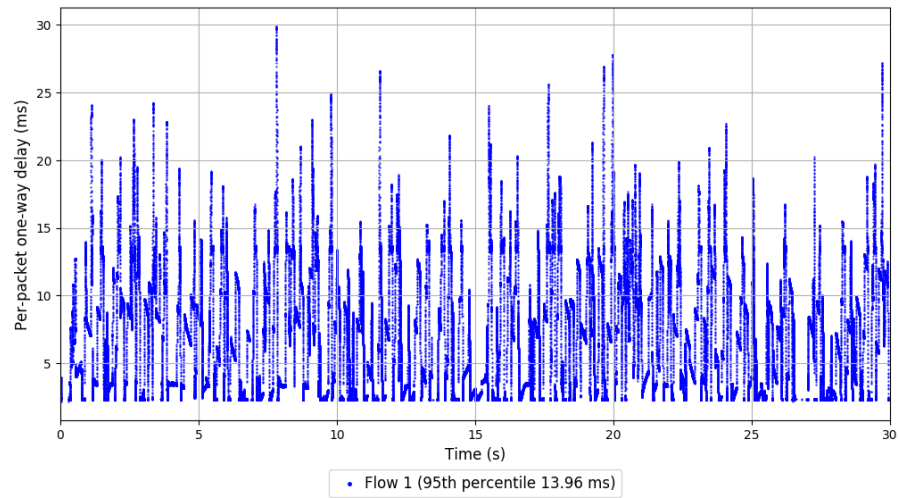
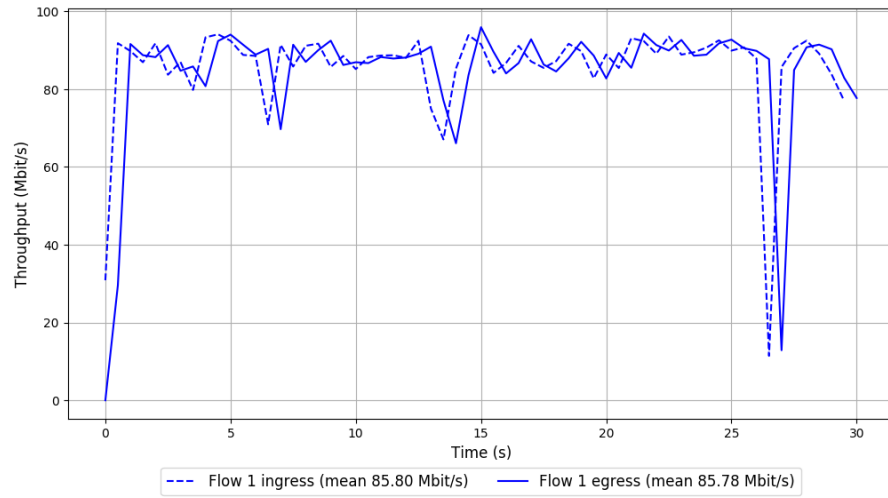
-- Flow 1:

Average throughput: 85.78 Mbit/s

95th percentile per-packet one-way delay: 13.964 ms

Loss rate: 0.04%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 13:48:06

End at: 2018-08-22 13:48:36

Local clock offset: -3.427 ms

Remote clock offset: -2.784 ms

# Below is generated by plot.py at 2018-08-22 14:28:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 13.882 ms

Loss rate: 0.04%

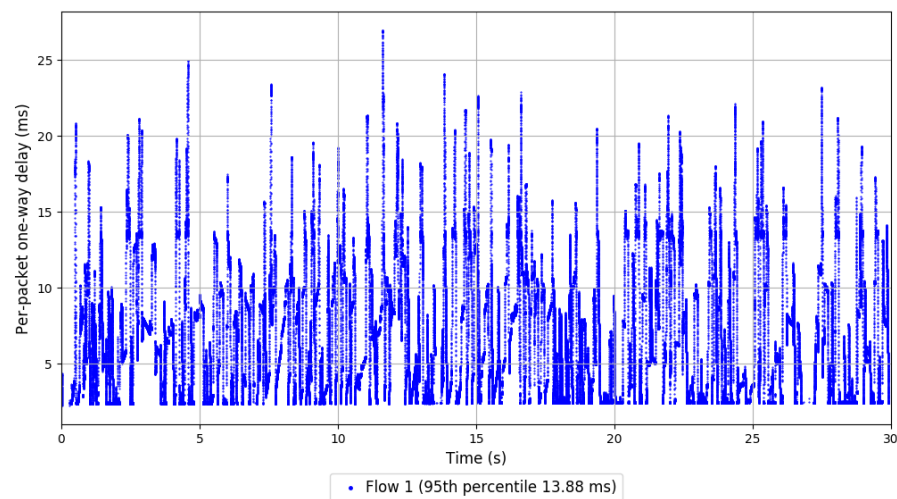
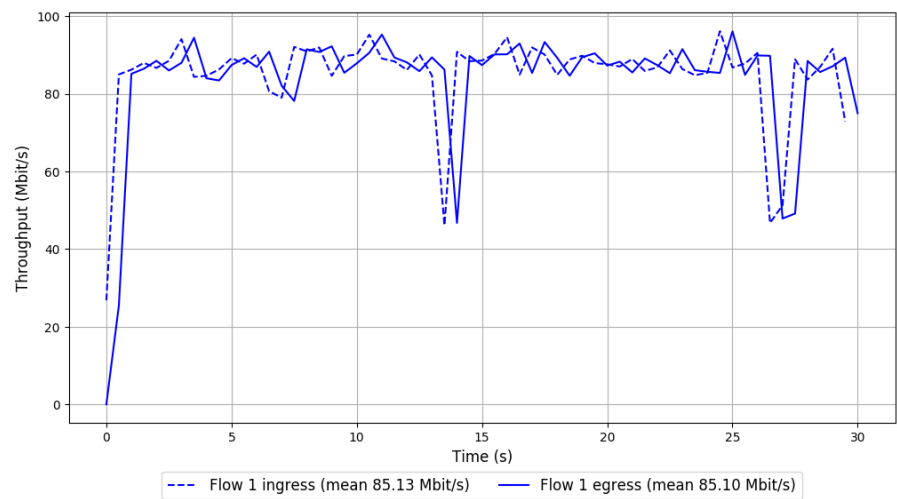
-- Flow 1:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 13.882 ms

Loss rate: 0.04%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 14:07:02

End at: 2018-08-22 14:07:32

Local clock offset: -3.909 ms

Remote clock offset: -2.325 ms

# Below is generated by plot.py at 2018-08-22 14:28:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.91 Mbit/s

95th percentile per-packet one-way delay: 14.818 ms

Loss rate: 0.05%

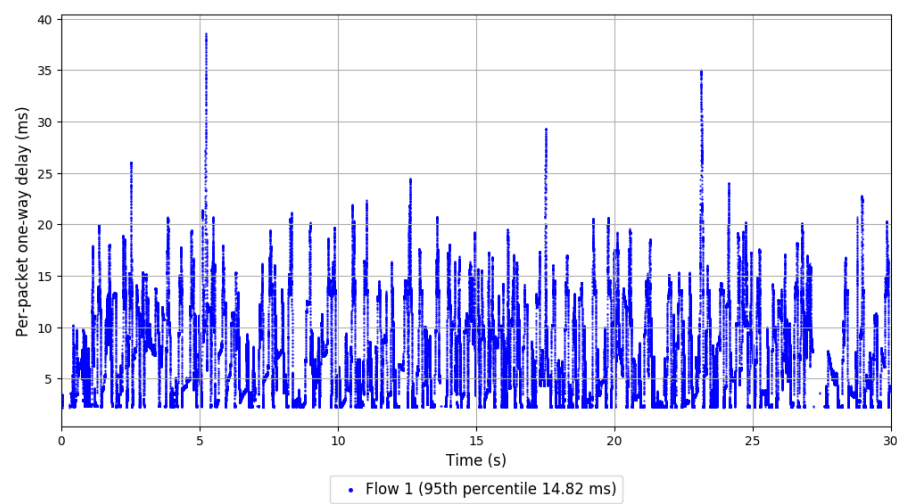
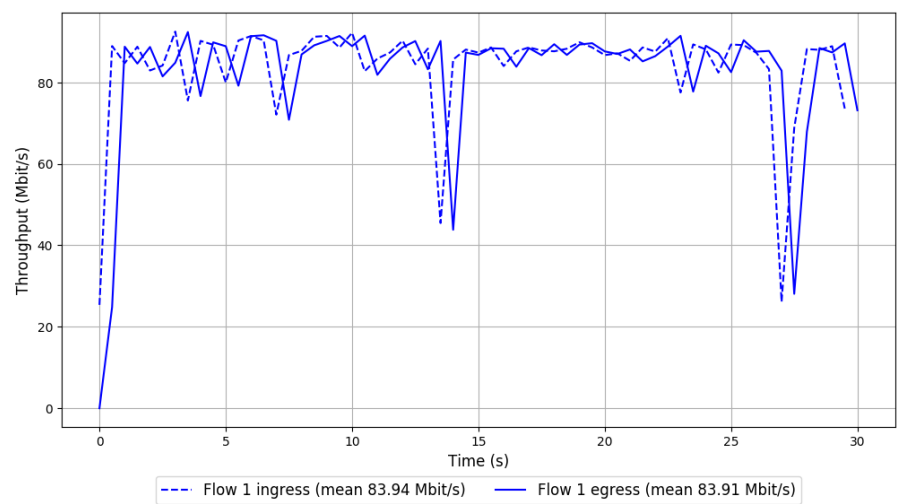
-- Flow 1:

Average throughput: 83.91 Mbit/s

95th percentile per-packet one-way delay: 14.818 ms

Loss rate: 0.05%

Run 10: Report of QUIC Cubic — Data Link



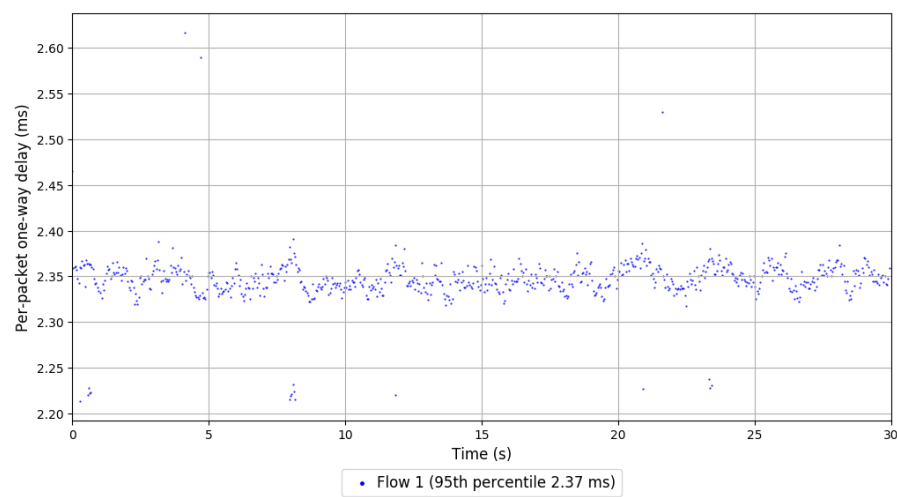
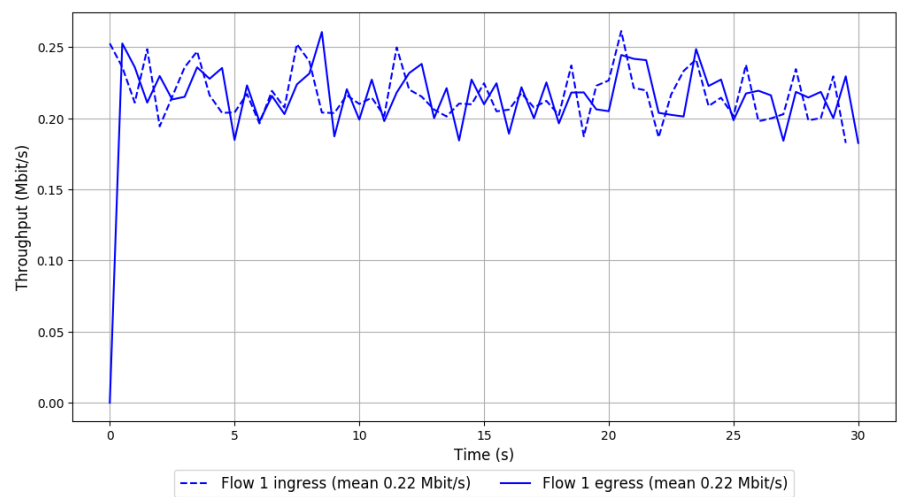
Run 1: Statistics of SCReAM

Start at: 2018-08-22 11:02:13  
End at: 2018-08-22 11:02:43  
Local clock offset: -4.869 ms  
Remote clock offset: -2.211 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.369 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.369 ms  
Loss rate: 0.00%



Run 1: Report of SCRaM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-08-22 11:21:09

End at: 2018-08-22 11:21:39

Local clock offset: -4.143 ms

Remote clock offset: -3.14 ms

# Below is generated by plot.py at 2018-08-22 14:28:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.489 ms

Loss rate: 0.13%

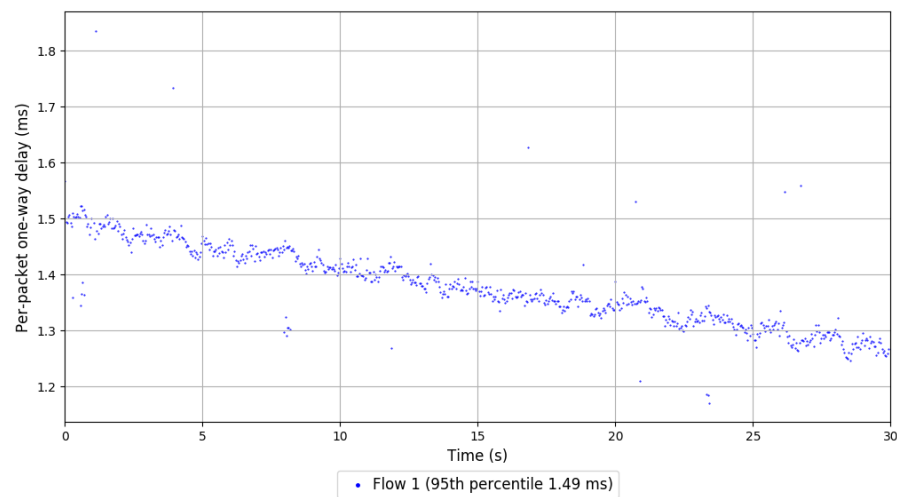
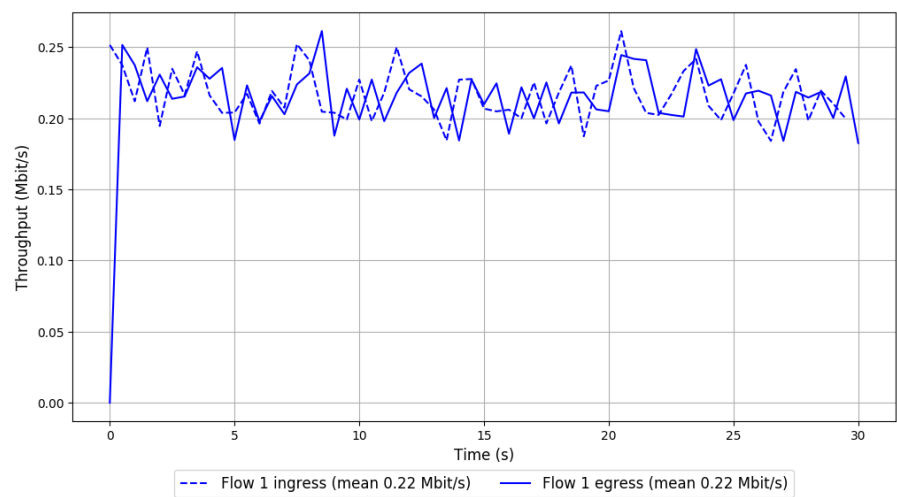
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.489 ms

Loss rate: 0.13%

Run 2: Report of SCReAM — Data Link

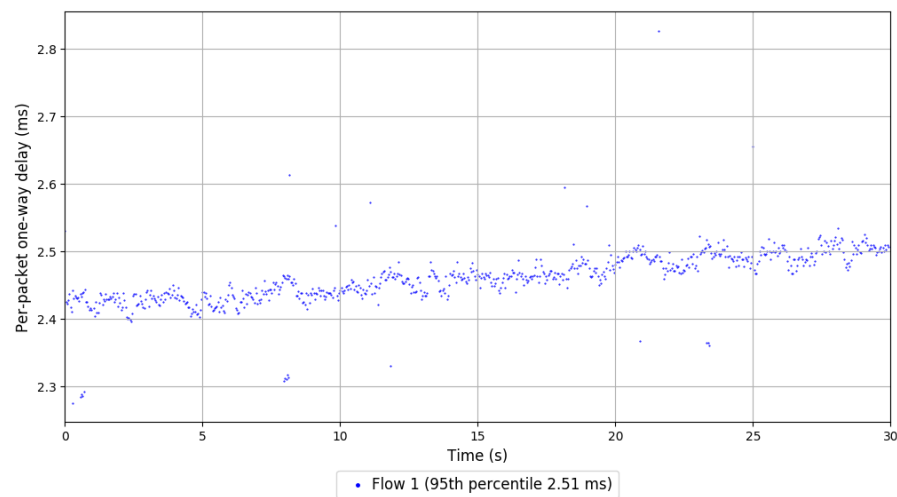
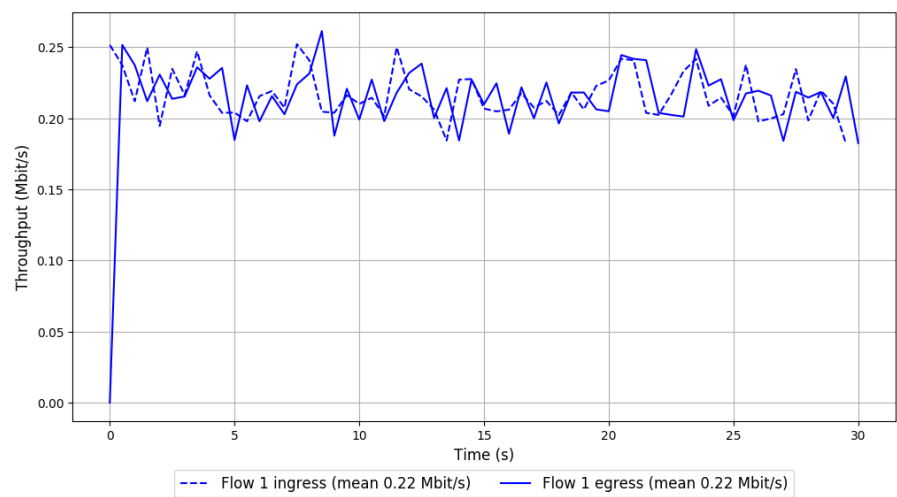


Run 3: Statistics of SCReAM

Start at: 2018-08-22 11:40:09  
End at: 2018-08-22 11:40:39  
Local clock offset: -3.995 ms  
Remote clock offset: -6.684 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.510 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.510 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

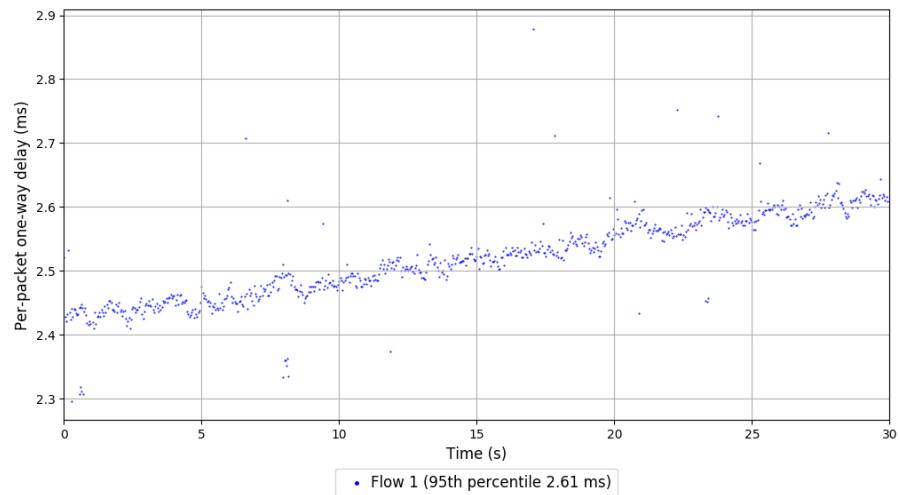
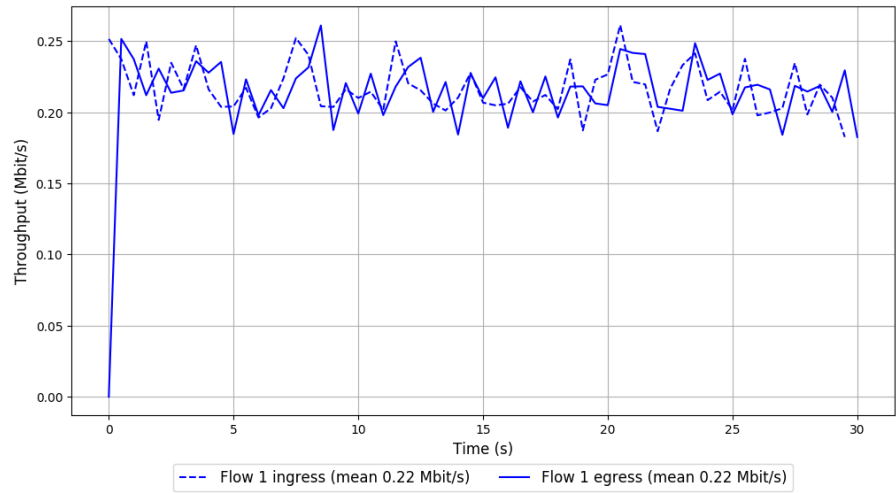


Run 4: Statistics of SCReAM

Start at: 2018-08-22 11:59:09  
End at: 2018-08-22 11:59:39  
Local clock offset: -6.562 ms  
Remote clock offset: -4.692 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.612 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.612 ms  
Loss rate: 0.00%

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



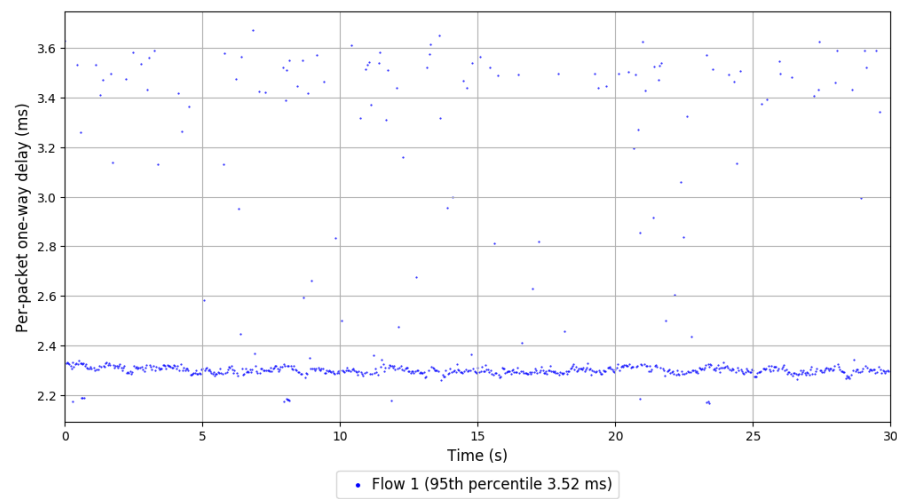
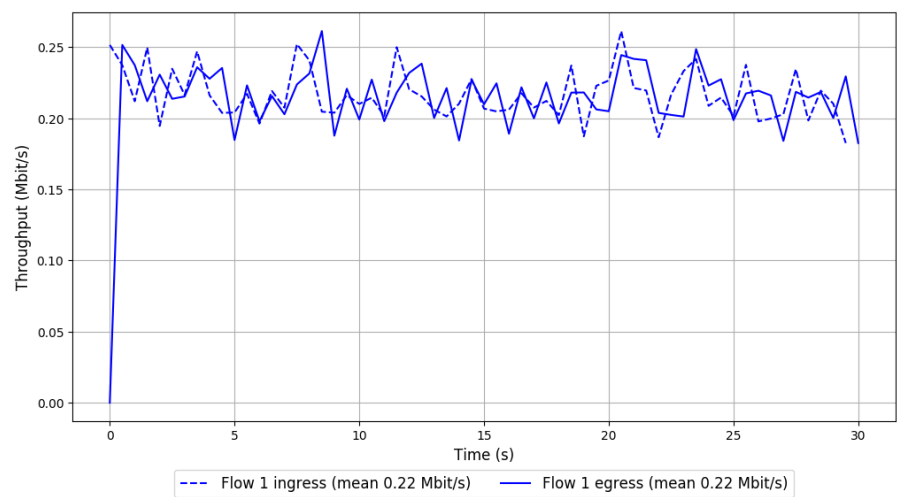
Run 5: Statistics of SCReAM

Start at: 2018-08-22 12:18:06  
End at: 2018-08-22 12:18:36  
Local clock offset: -4.895 ms  
Remote clock offset: -1.531 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.515 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.515 ms  
Loss rate: 0.00%



Run 5: Report of SReAM — Data Link

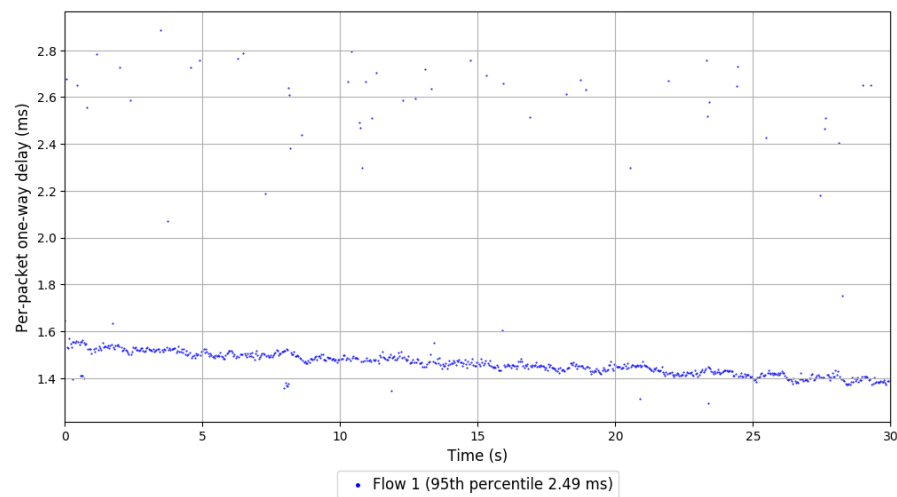
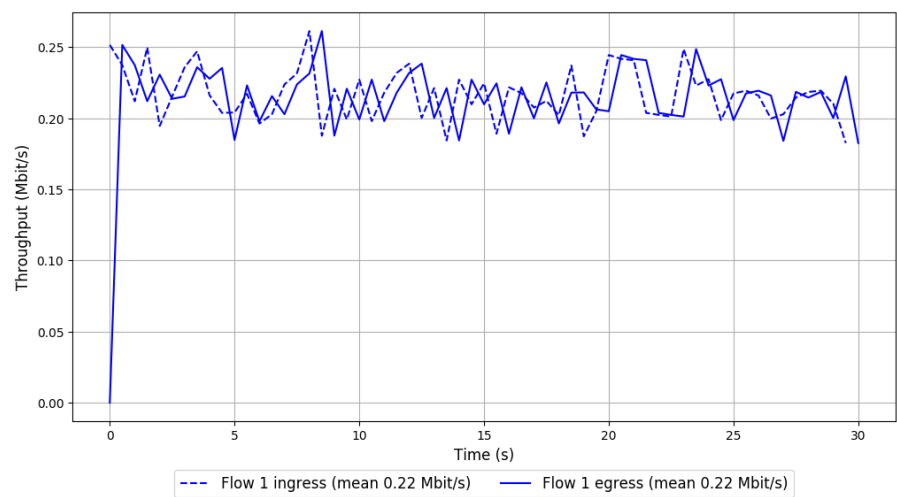


Run 6: Statistics of SCReAM

Start at: 2018-08-22 12:36:55  
End at: 2018-08-22 12:37:25  
Local clock offset: -4.937 ms  
Remote clock offset: -2.682 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.491 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.491 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

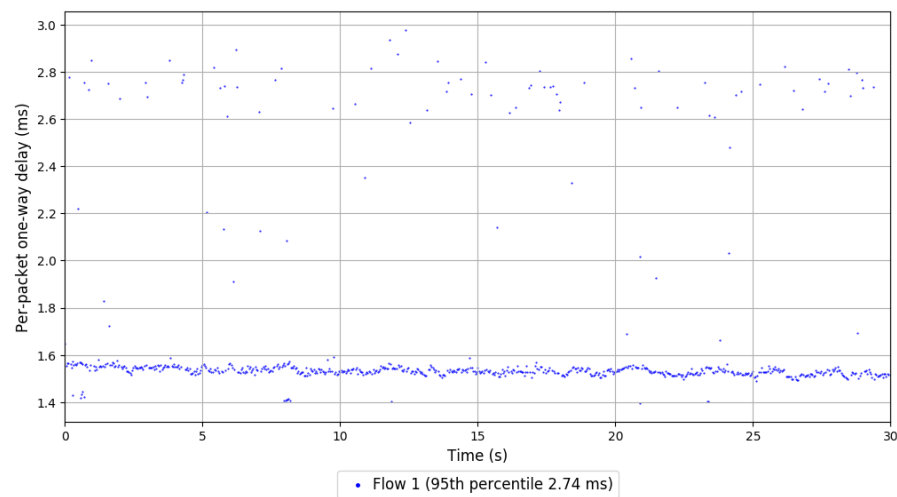
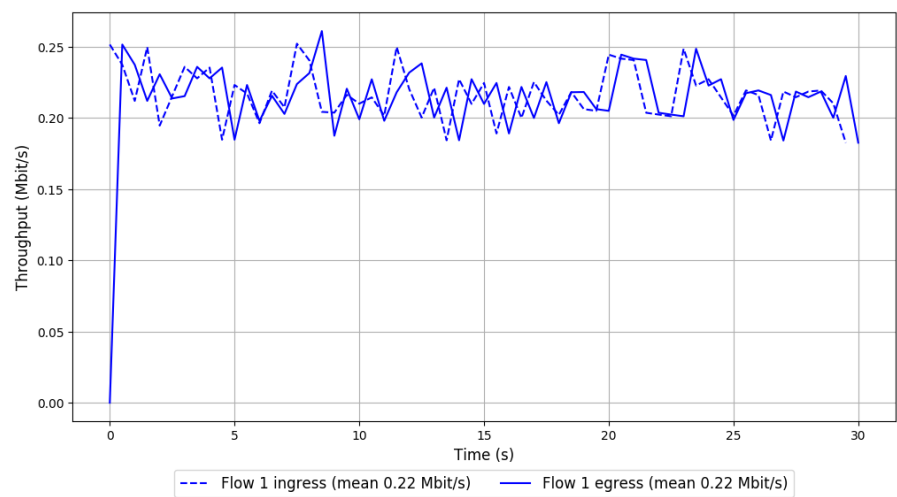


Run 7: Statistics of SCReAM

Start at: 2018-08-22 12:55:50  
End at: 2018-08-22 12:56:21  
Local clock offset: -3.042 ms  
Remote clock offset: -3.315 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.736 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.736 ms  
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

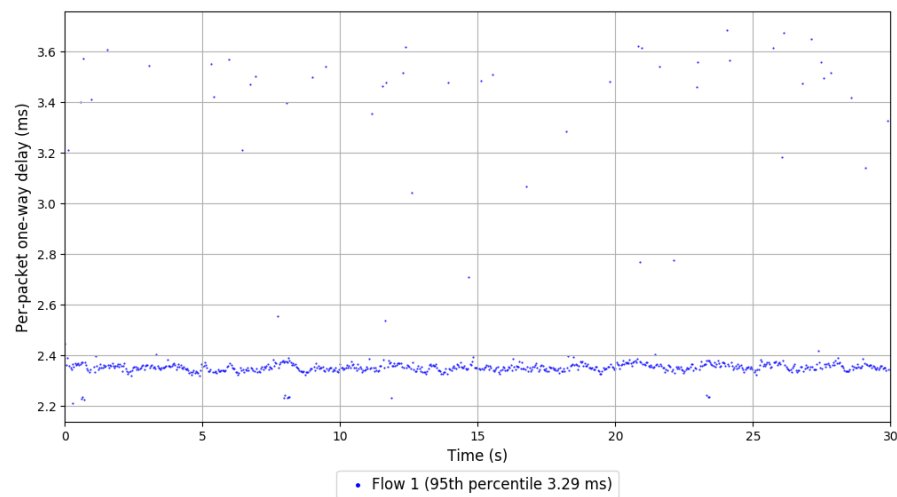
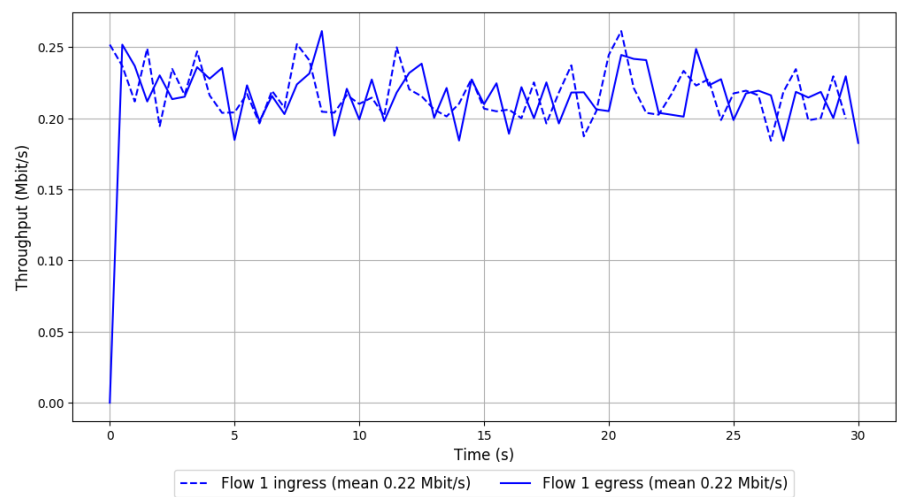


Run 8: Statistics of SCReAM

Start at: 2018-08-22 13:14:45  
End at: 2018-08-22 13:15:15  
Local clock offset: -2.187 ms  
Remote clock offset: -3.334 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.286 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.286 ms  
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link



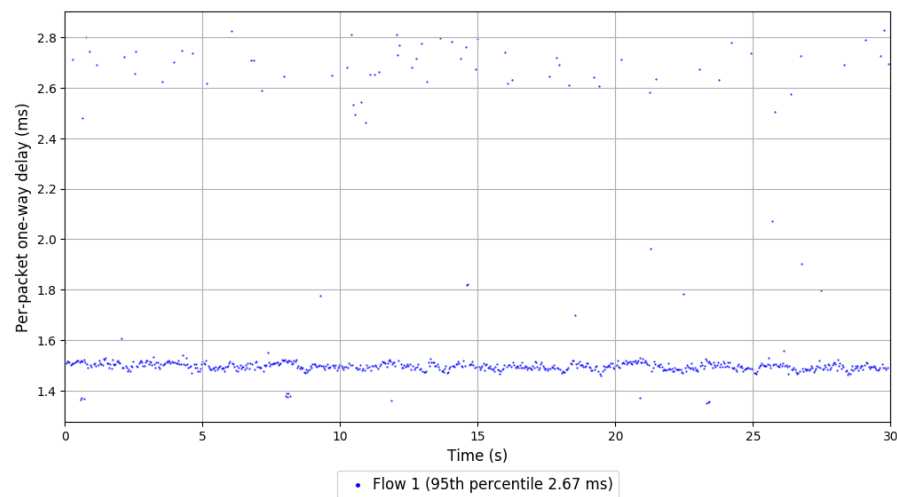
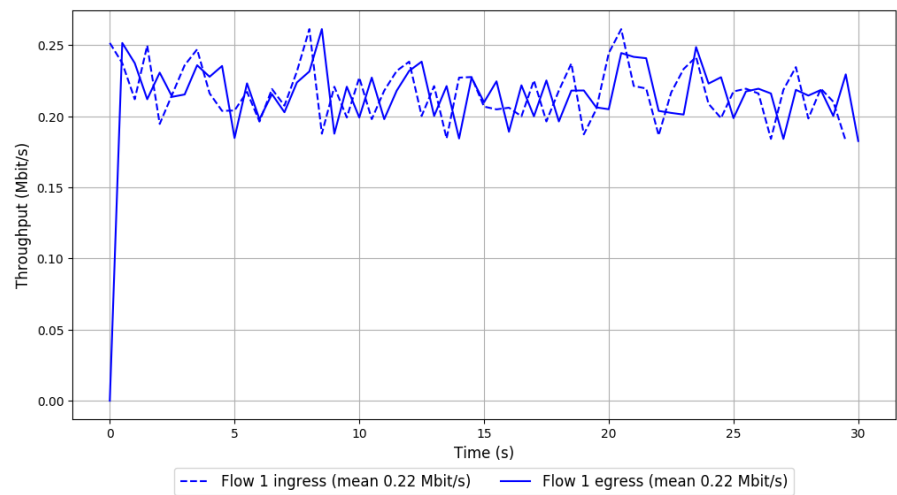
Run 9: Statistics of SCReAM

Start at: 2018-08-22 13:33:40  
End at: 2018-08-22 13:34:10  
Local clock offset: -2.991 ms  
Remote clock offset: -3.277 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.674 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.674 ms  
Loss rate: 0.00%



Run 9: Report of SReAM — Data Link

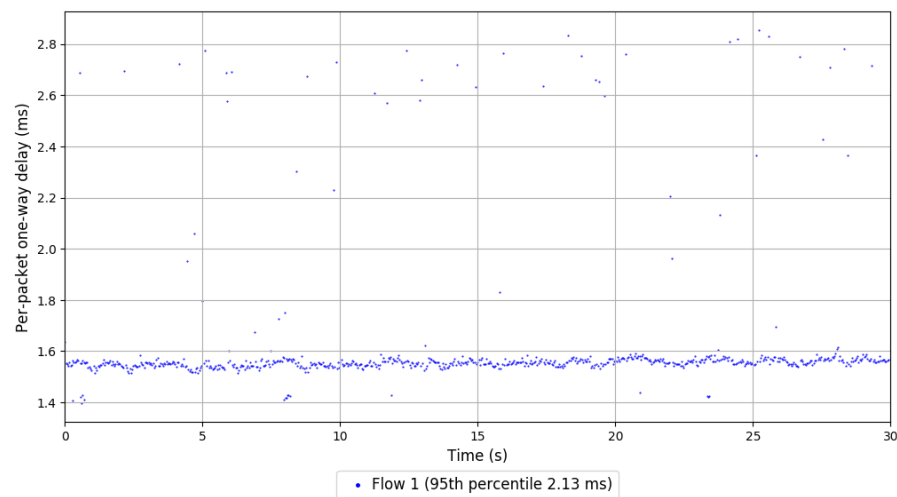
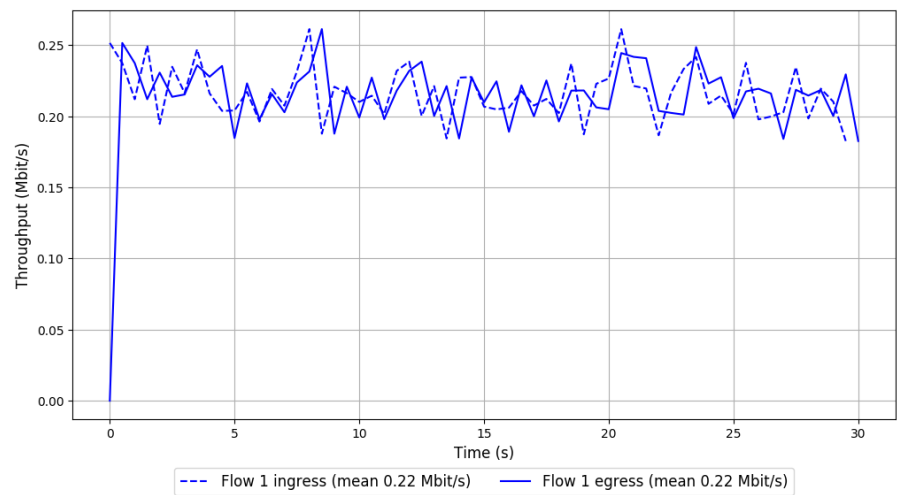


Run 10: Statistics of SReAM

Start at: 2018-08-22 13:52:35  
End at: 2018-08-22 13:53:05  
Local clock offset: -4.392 ms  
Remote clock offset: -2.582 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.131 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.131 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

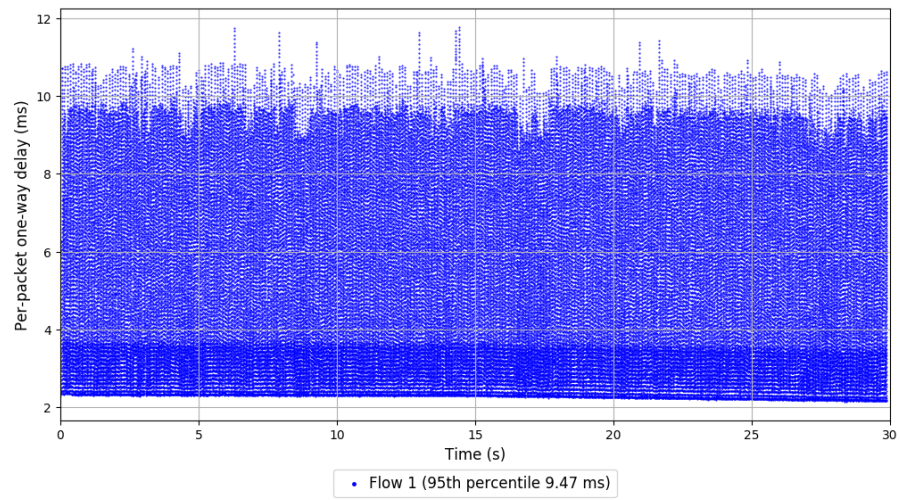
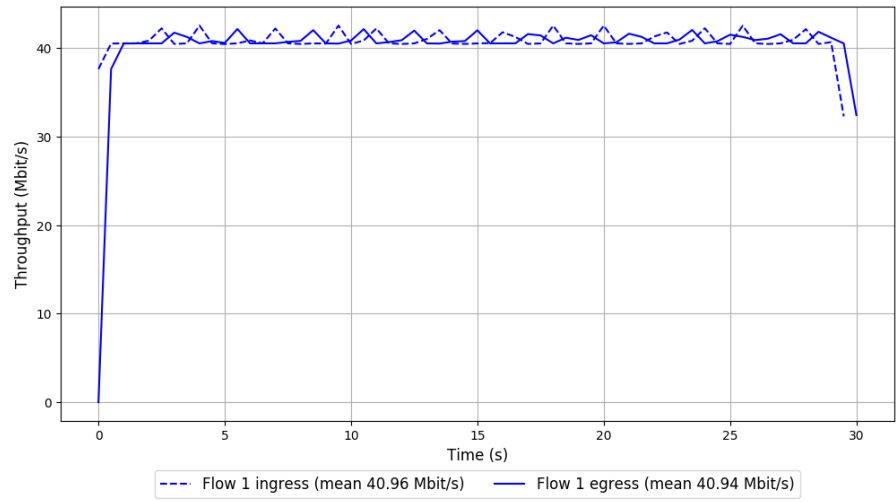


Run 1: Statistics of Sprout

Start at: 2018-08-22 11:18:54  
End at: 2018-08-22 11:19:24  
Local clock offset: -3.437 ms  
Remote clock offset: -2.241 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.94 Mbit/s  
95th percentile per-packet one-way delay: 9.467 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 40.94 Mbit/s  
95th percentile per-packet one-way delay: 9.467 ms  
Loss rate: 0.00%

# Run 1: Report of Sprout — Data Link

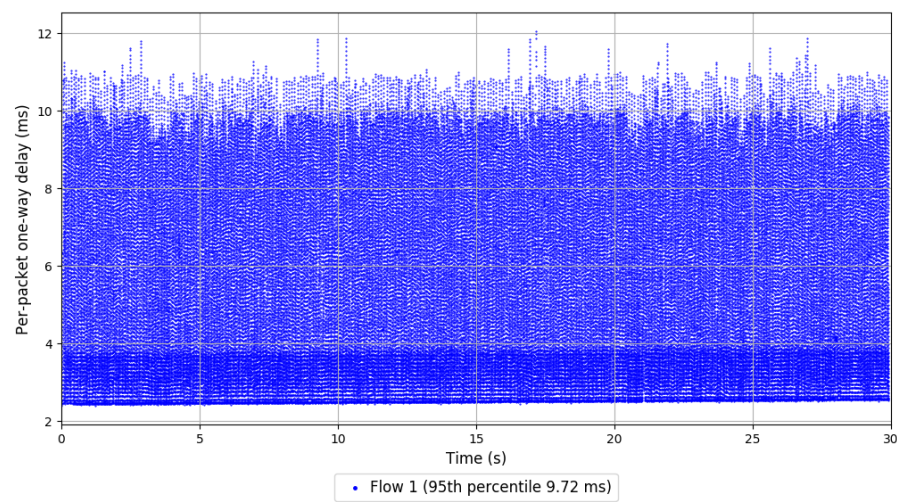
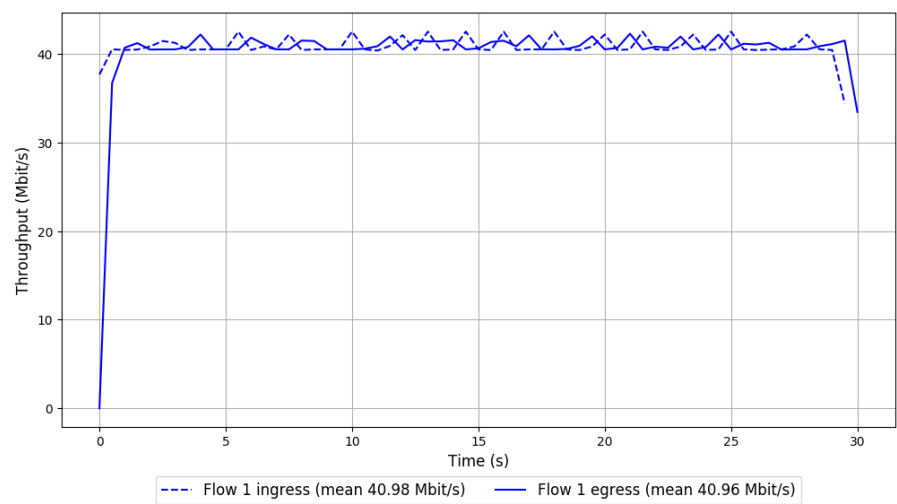


Run 2: Statistics of Sprout

Start at: 2018-08-22 11:37:54  
End at: 2018-08-22 11:38:24  
Local clock offset: -3.267 ms  
Remote clock offset: -6.472 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.96 Mbit/s  
95th percentile per-packet one-way delay: 9.725 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 40.96 Mbit/s  
95th percentile per-packet one-way delay: 9.725 ms  
Loss rate: 0.04%

Run 2: Report of Sprout — Data Link



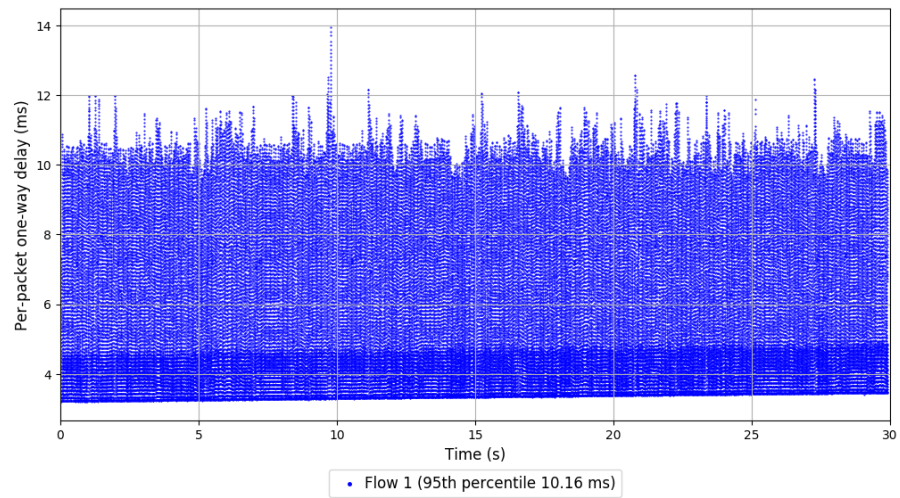
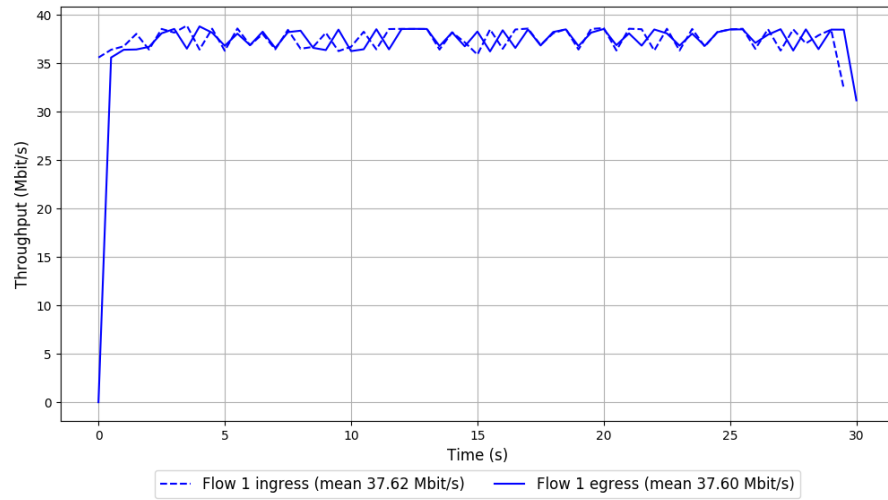
Run 3: Statistics of Sprout

Start at: 2018-08-22 11:56:54  
End at: 2018-08-22 11:57:24  
Local clock offset: -5.631 ms  
Remote clock offset: -5.588 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.60 Mbit/s  
95th percentile per-packet one-way delay: 10.165 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 37.60 Mbit/s  
95th percentile per-packet one-way delay: 10.165 ms  
Loss rate: 0.05%



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

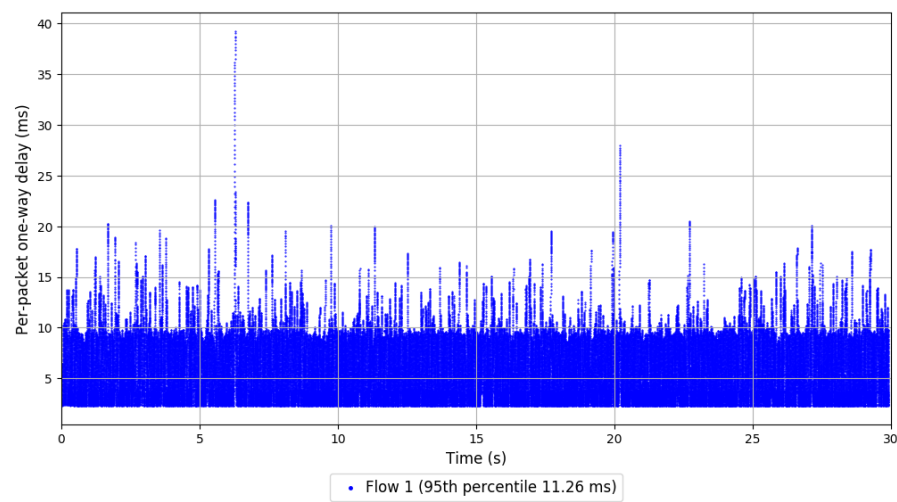
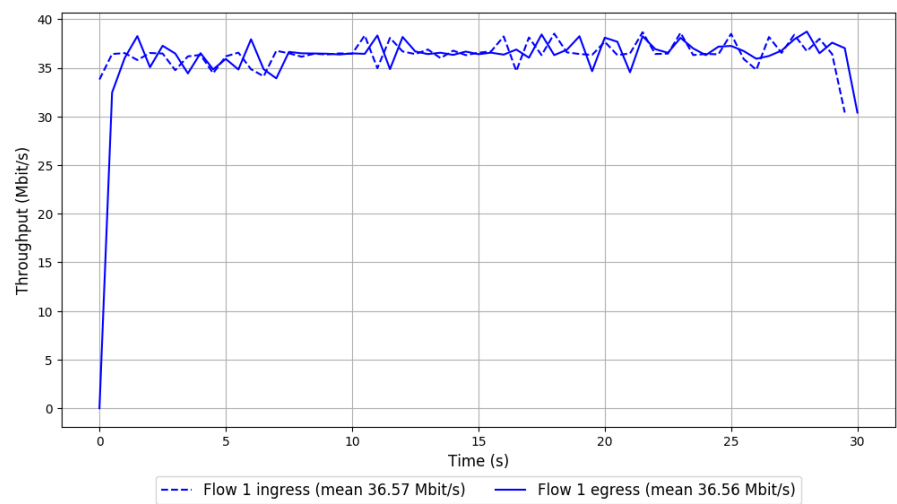


Run 4: Statistics of Sprout

Start at: 2018-08-22 12:15:52  
End at: 2018-08-22 12:16:22  
Local clock offset: -5.122 ms  
Remote clock offset: -1.732 ms

# Below is generated by plot.py at 2018-08-22 14:28:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.56 Mbit/s  
95th percentile per-packet one-way delay: 11.259 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 36.56 Mbit/s  
95th percentile per-packet one-way delay: 11.259 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

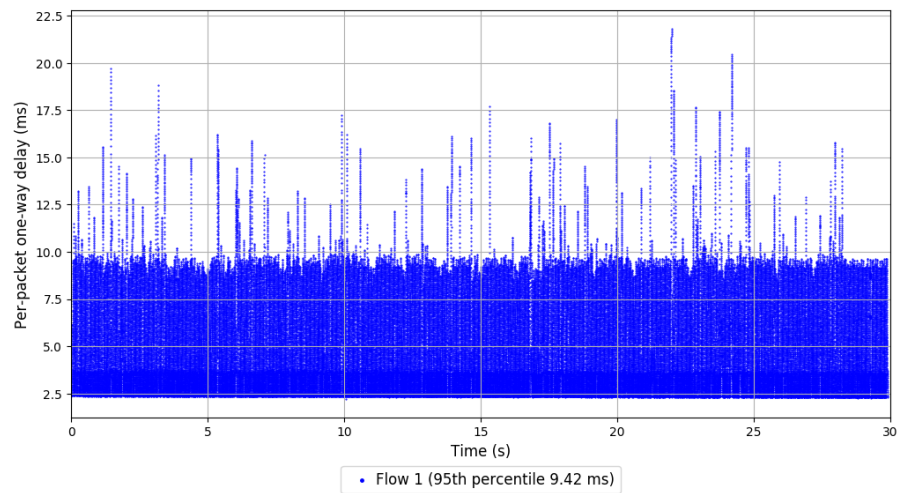
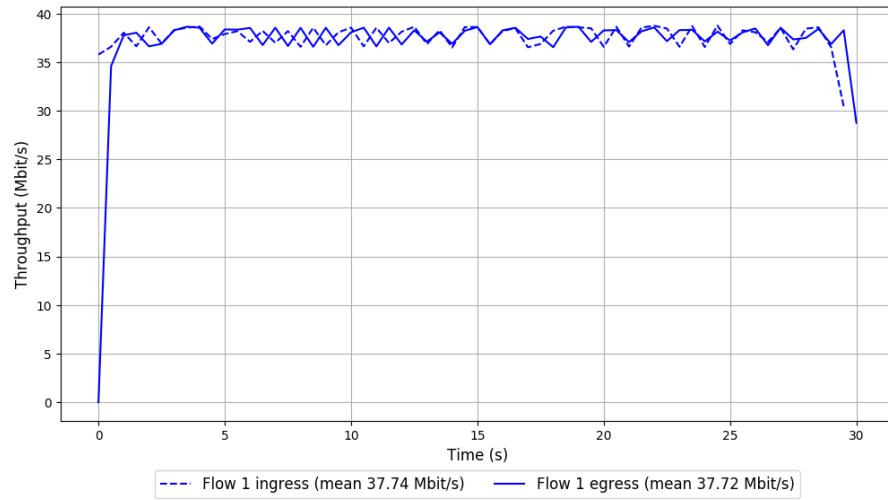


Run 5: Statistics of Sprout

Start at: 2018-08-22 12:34:41  
End at: 2018-08-22 12:35:11  
Local clock offset: -4.145 ms  
Remote clock offset: -2.404 ms

# Below is generated by plot.py at 2018-08-22 14:28:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.72 Mbit/s  
95th percentile per-packet one-way delay: 9.418 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 37.72 Mbit/s  
95th percentile per-packet one-way delay: 9.418 ms  
Loss rate: 0.07%

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



Run 6: Statistics of Sprout

Start at: 2018-08-22 12:53:36

End at: 2018-08-22 12:54:06

Local clock offset: -2.381 ms

Remote clock offset: -3.29 ms

# Below is generated by plot.py at 2018-08-22 14:28:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 10.856 ms

Loss rate: 0.00%

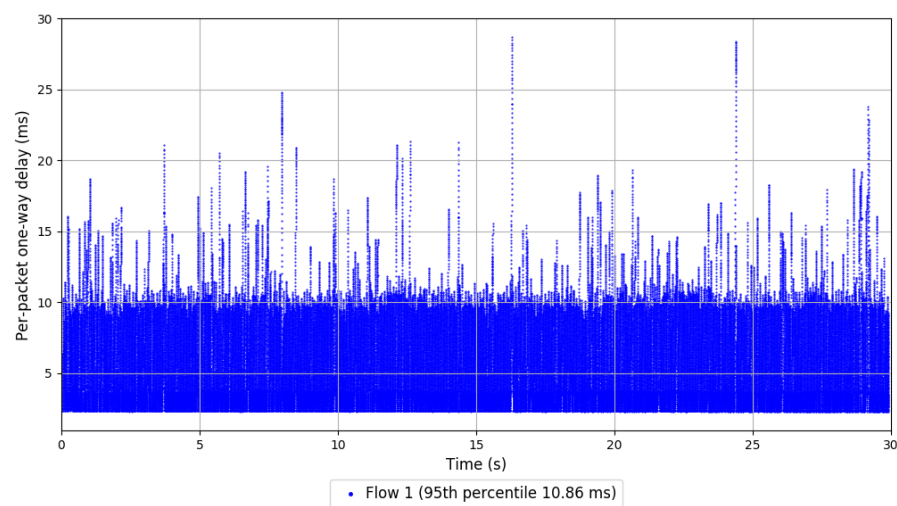
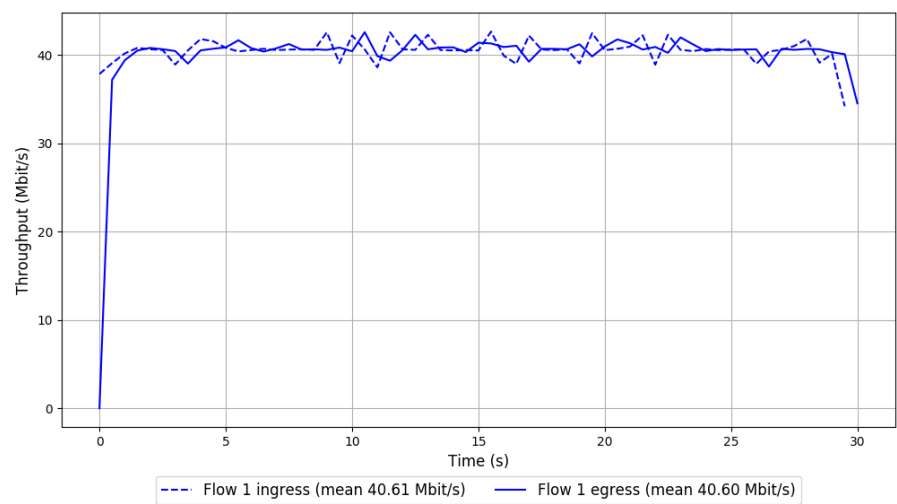
-- Flow 1:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 10.856 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



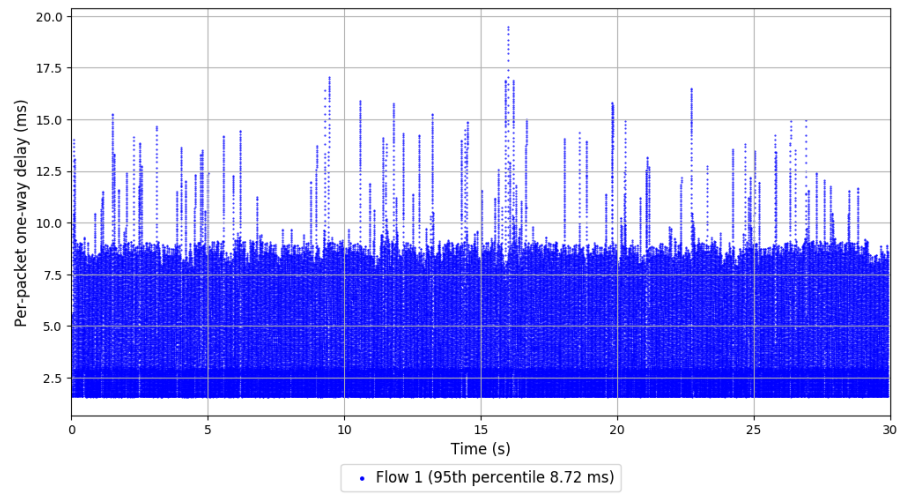
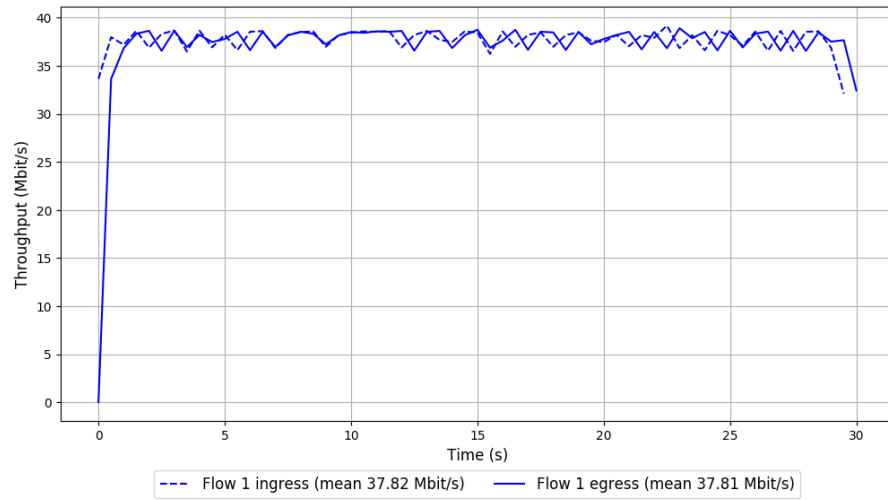
Run 7: Statistics of Sprout

Start at: 2018-08-22 13:12:30  
End at: 2018-08-22 13:13:00  
Local clock offset: -2.894 ms  
Remote clock offset: -3.328 ms

# Below is generated by plot.py at 2018-08-22 14:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.81 Mbit/s  
95th percentile per-packet one-way delay: 8.719 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 37.81 Mbit/s  
95th percentile per-packet one-way delay: 8.719 ms  
Loss rate: 0.00%



## Run 7: Report of Sprout — Data Link

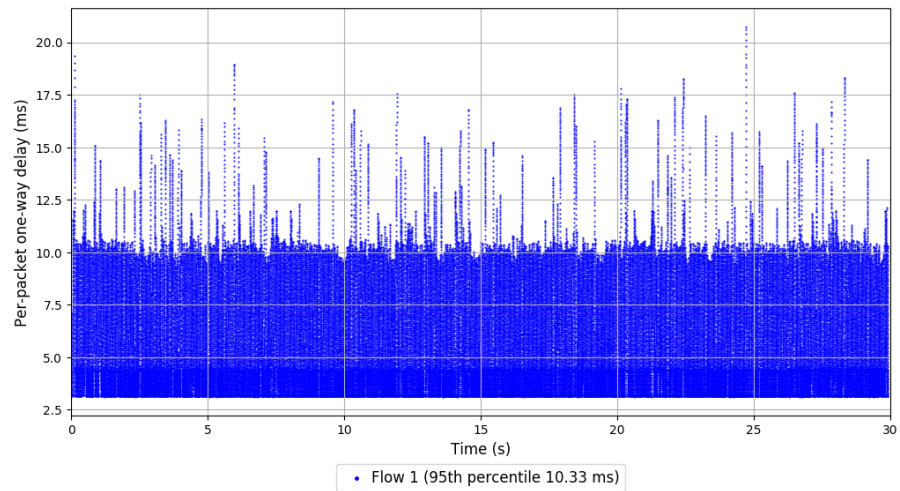
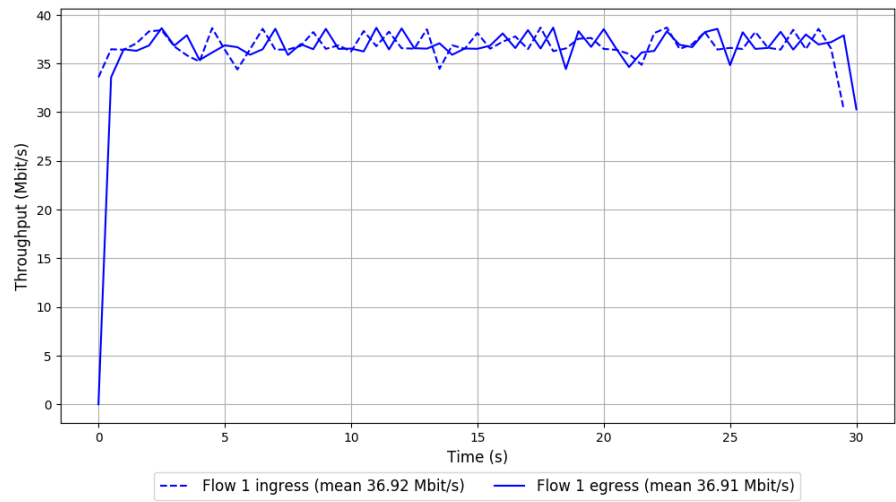


Run 8: Statistics of Sprout

Start at: 2018-08-22 13:31:26  
End at: 2018-08-22 13:31:56  
Local clock offset: -1.406 ms  
Remote clock offset: -3.326 ms

# Below is generated by plot.py at 2018-08-22 14:29:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.91 Mbit/s  
95th percentile per-packet one-way delay: 10.331 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 36.91 Mbit/s  
95th percentile per-packet one-way delay: 10.331 ms  
Loss rate: 0.00%

# Run 8: Report of Sprout — Data Link

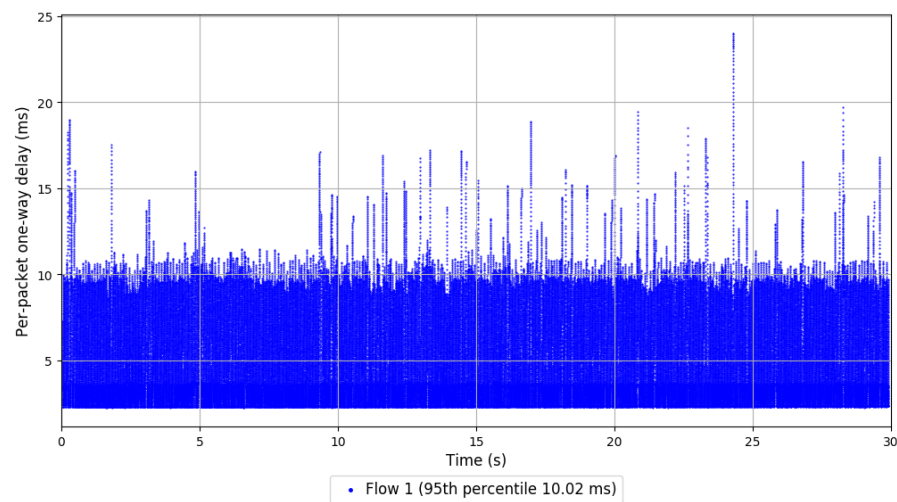
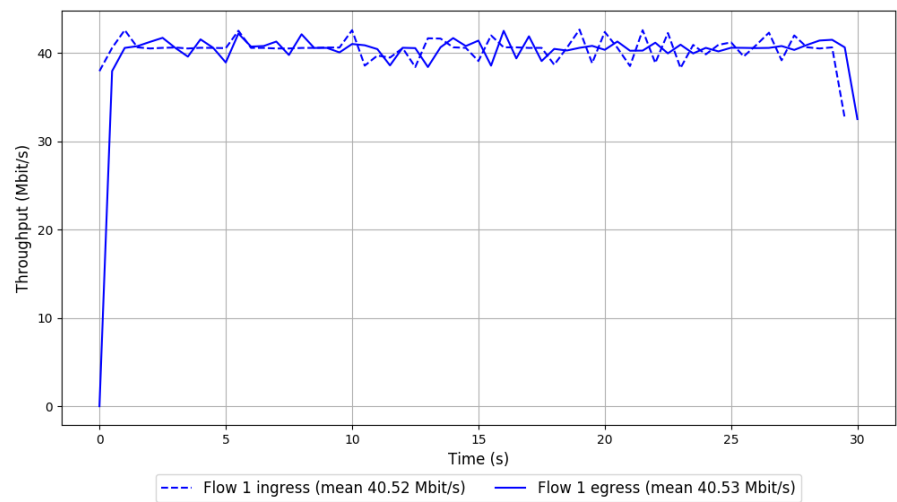


Run 9: Statistics of Sprout

Start at: 2018-08-22 13:50:20  
End at: 2018-08-22 13:50:50  
Local clock offset: -3.538 ms  
Remote clock offset: -2.633 ms

# Below is generated by plot.py at 2018-08-22 14:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.53 Mbit/s  
95th percentile per-packet one-way delay: 10.016 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 40.53 Mbit/s  
95th percentile per-packet one-way delay: 10.016 ms  
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

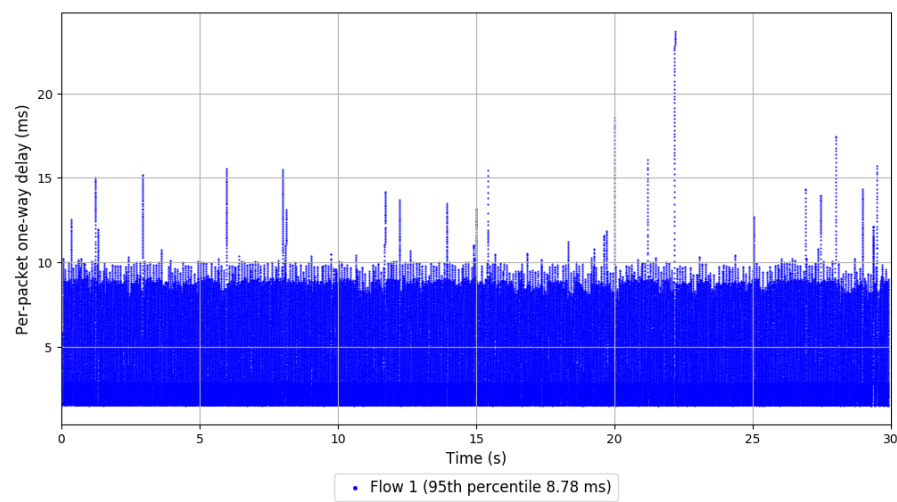
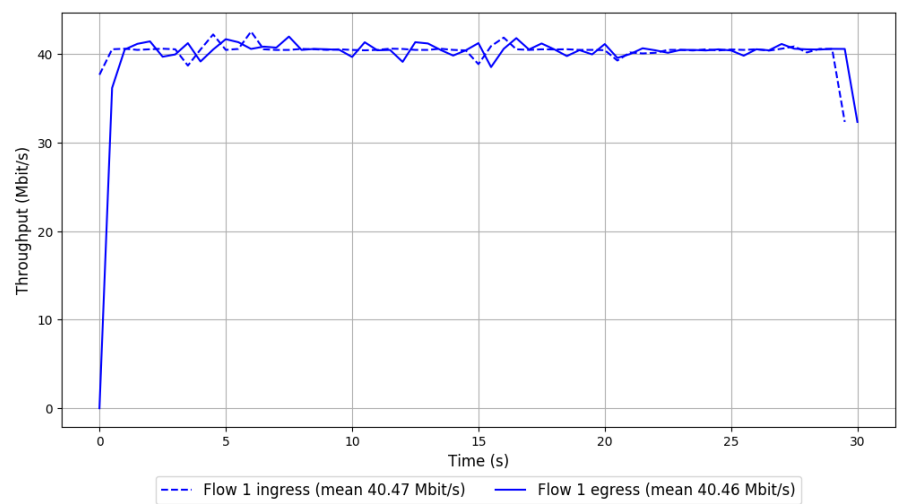


Run 10: Statistics of Sprout

Start at: 2018-08-22 14:09:16  
End at: 2018-08-22 14:09:46  
Local clock offset: -4.569 ms  
Remote clock offset: -2.288 ms

# Below is generated by plot.py at 2018-08-22 14:29:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.46 Mbit/s  
95th percentile per-packet one-way delay: 8.777 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 40.46 Mbit/s  
95th percentile per-packet one-way delay: 8.777 ms  
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



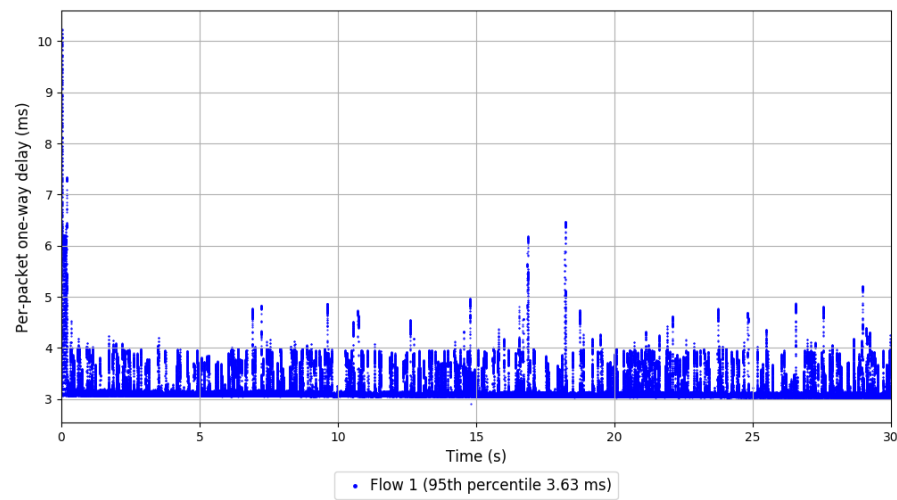
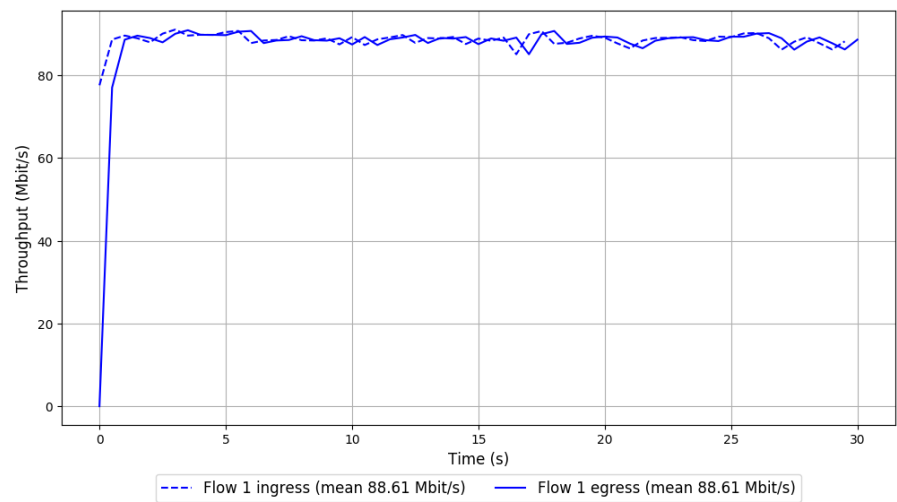
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 11:15:30
End at: 2018-08-22 11:16:00
Local clock offset: -2.948 ms
Remote clock offset: -2.299 ms

# Below is generated by plot.py at 2018-08-22 14:30:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 3.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 3.631 ms
Loss rate: 0.00%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 11:34:30

End at: 2018-08-22 11:35:00

Local clock offset: -2.17 ms

Remote clock offset: -6.155 ms

# Below is generated by plot.py at 2018-08-22 14:30:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.50 Mbit/s

95th percentile per-packet one-way delay: 3.492 ms

Loss rate: 0.01%

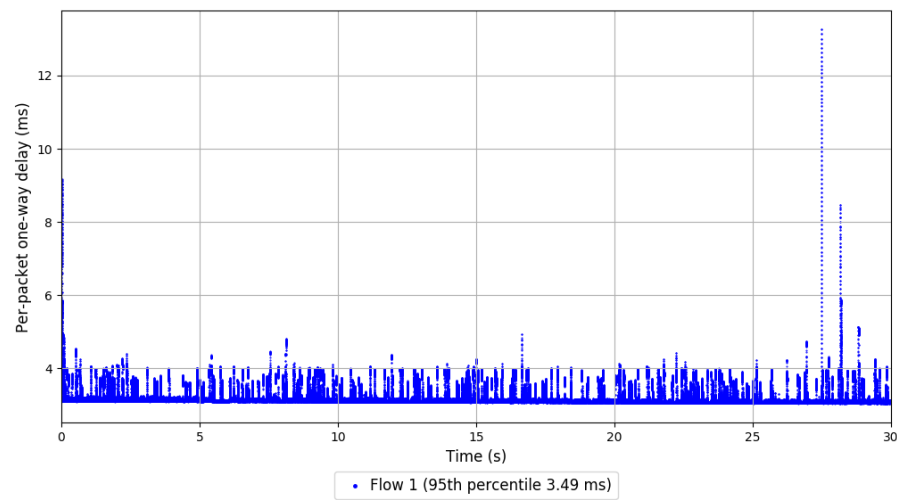
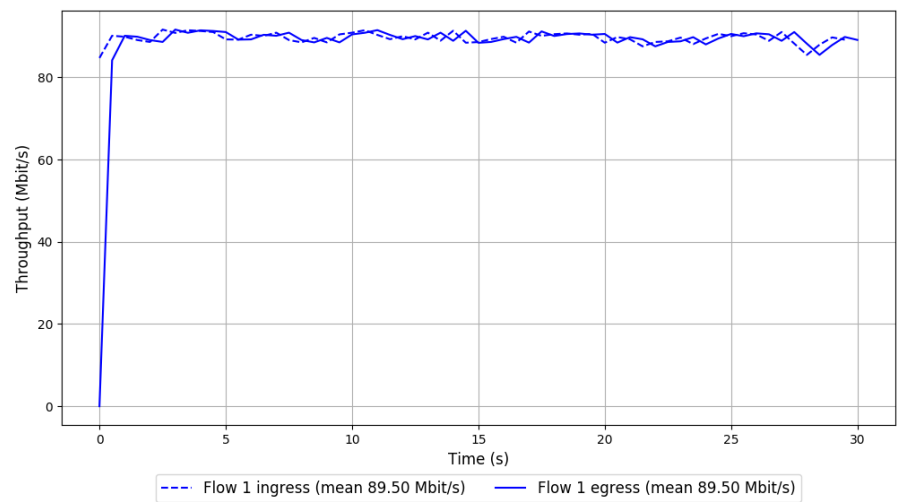
-- Flow 1:

Average throughput: 89.50 Mbit/s

95th percentile per-packet one-way delay: 3.492 ms

Loss rate: 0.01%

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

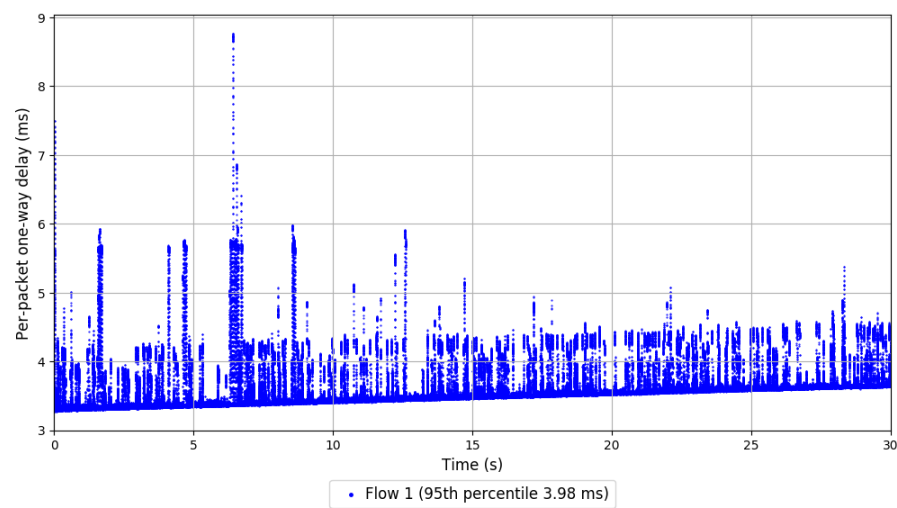
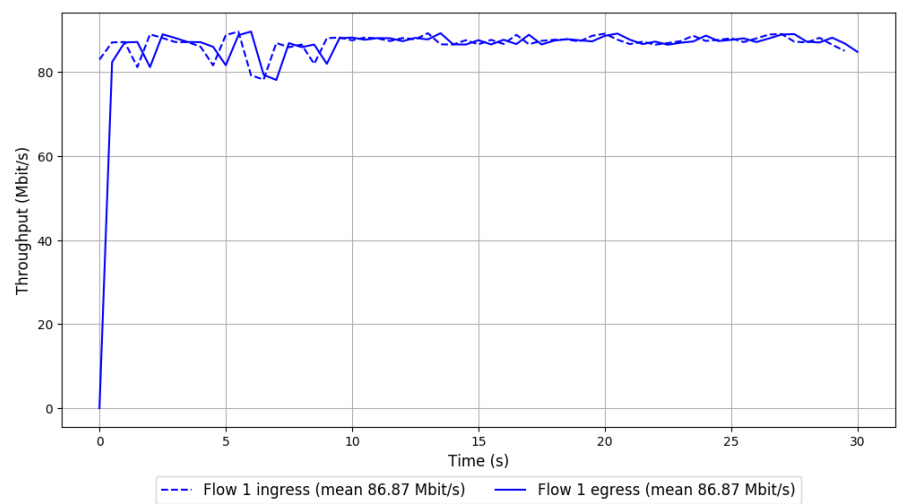


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 11:53:30  
End at: 2018-08-22 11:54:00  
Local clock offset: -5.343 ms  
Remote clock offset: -7.487 ms

# Below is generated by plot.py at 2018-08-22 14:30:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.87 Mbit/s  
95th percentile per-packet one-way delay: 3.976 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 86.87 Mbit/s  
95th percentile per-packet one-way delay: 3.976 ms  
Loss rate: 0.01%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 12:12:30

End at: 2018-08-22 12:13:00

Local clock offset: -5.638 ms

Remote clock offset: -2.03 ms

# Below is generated by plot.py at 2018-08-22 14:30:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.58 Mbit/s

95th percentile per-packet one-way delay: 7.918 ms

Loss rate: 0.01%

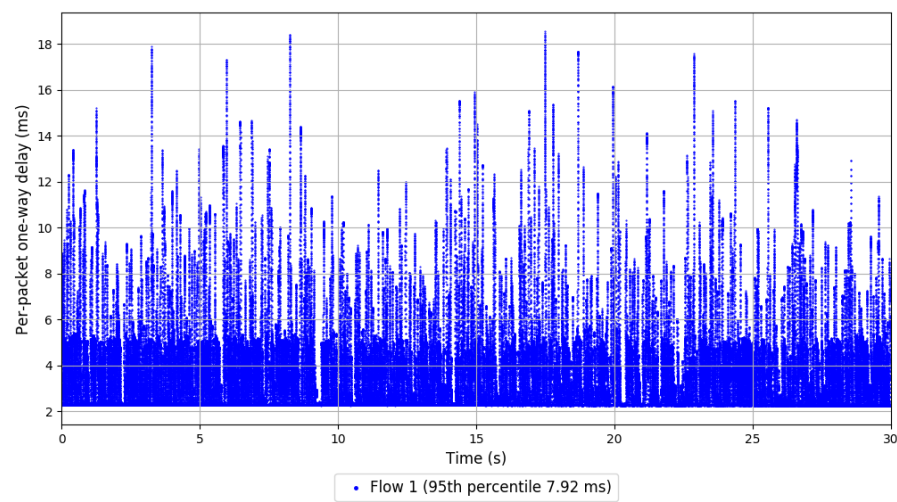
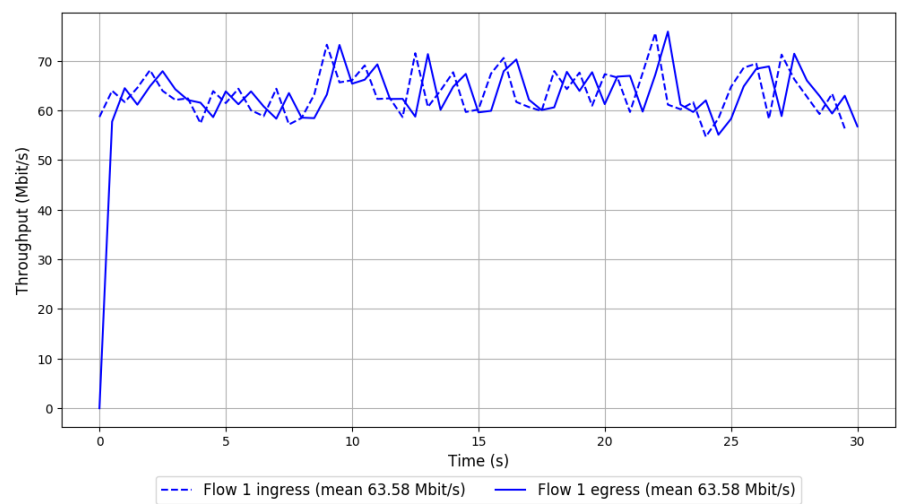
-- Flow 1:

Average throughput: 63.58 Mbit/s

95th percentile per-packet one-way delay: 7.918 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 12:31:18

End at: 2018-08-22 12:31:48

Local clock offset: -4.272 ms

Remote clock offset: -1.849 ms

# Below is generated by plot.py at 2018-08-22 14:30:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 5.640 ms

Loss rate: 0.01%

-- Flow 1:

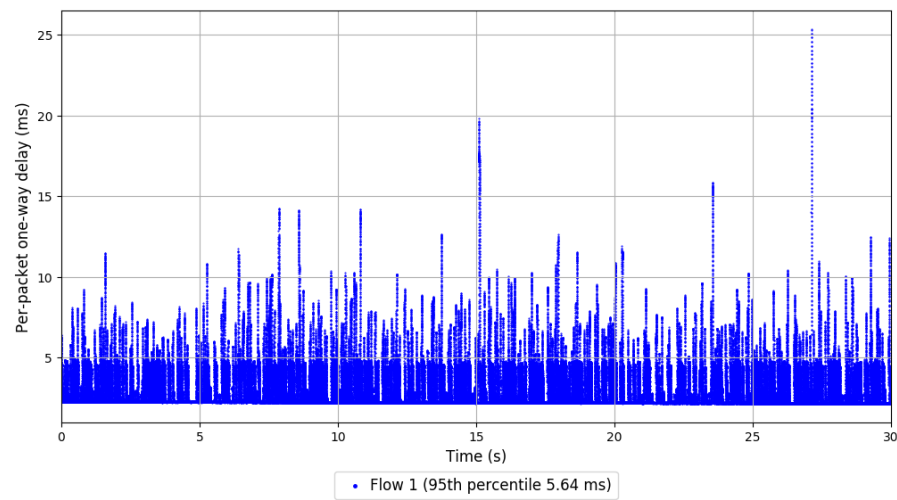
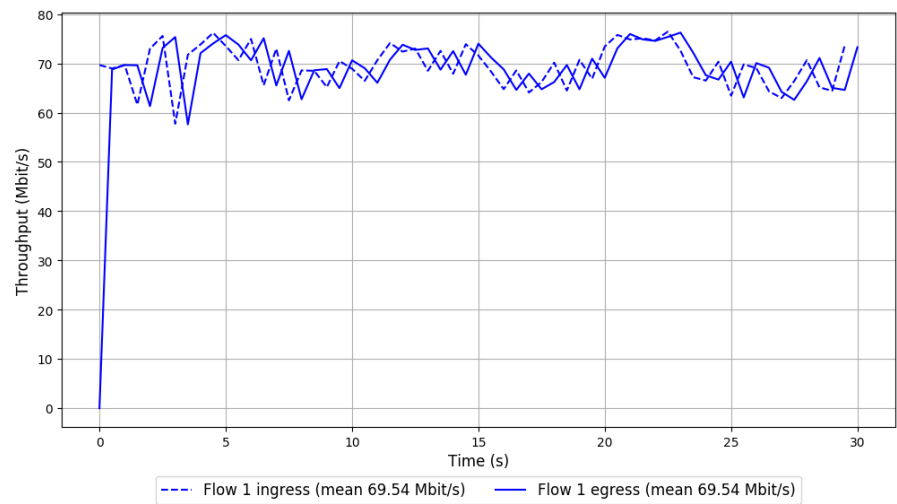
Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 5.640 ms

Loss rate: 0.01%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 12:50:14

End at: 2018-08-22 12:50:44

Local clock offset: -1.811 ms

Remote clock offset: -3.244 ms

# Below is generated by plot.py at 2018-08-22 14:30:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 7.796 ms

Loss rate: 0.01%

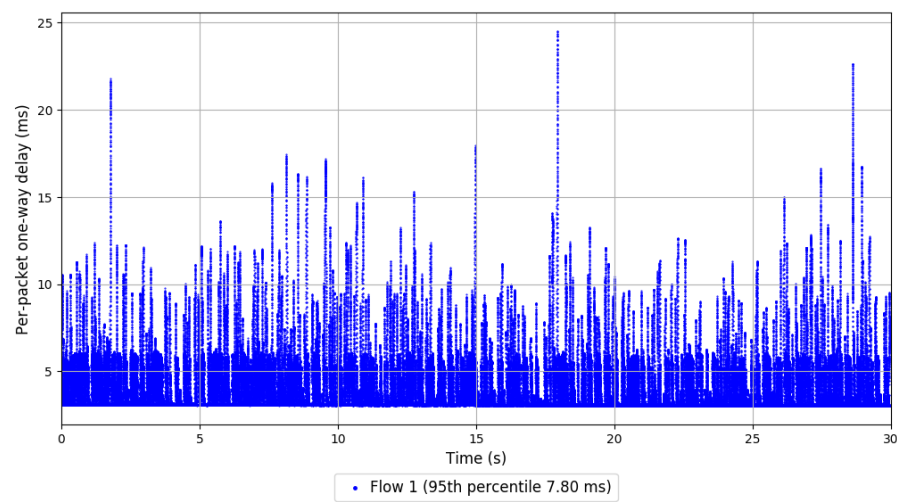
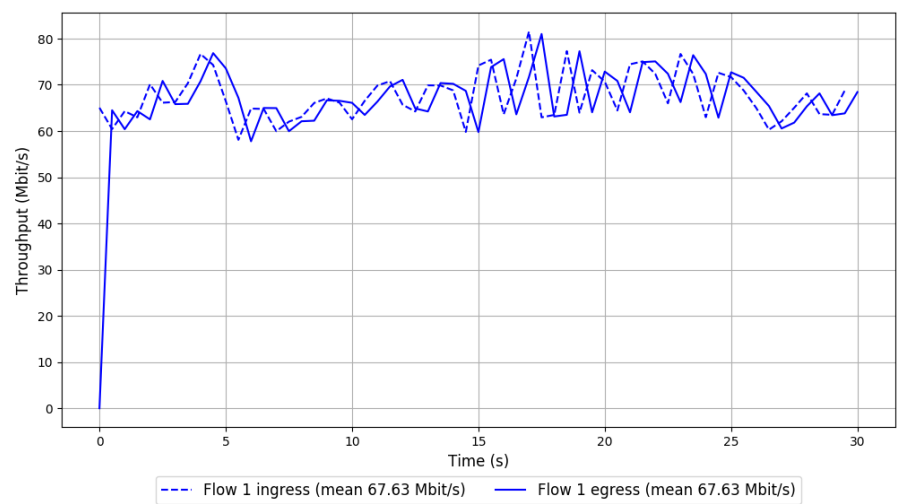
-- Flow 1:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 7.796 ms

Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 13:09:07

End at: 2018-08-22 13:09:37

Local clock offset: -2.015 ms

Remote clock offset: -3.341 ms

# Below is generated by plot.py at 2018-08-22 14:30:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.30 Mbit/s

95th percentile per-packet one-way delay: 5.384 ms

Loss rate: 0.01%

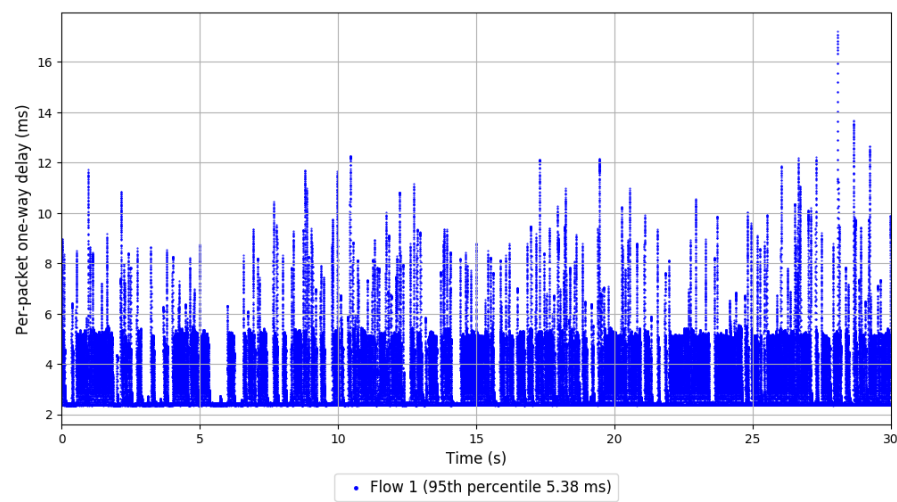
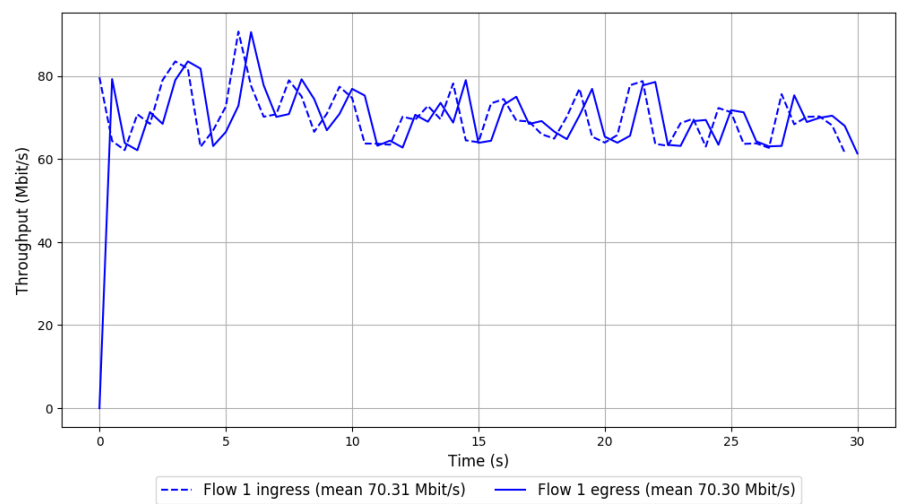
-- Flow 1:

Average throughput: 70.30 Mbit/s

95th percentile per-packet one-way delay: 5.384 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 13:28:03

End at: 2018-08-22 13:28:34

Local clock offset: -2.272 ms

Remote clock offset: -3.275 ms

# Below is generated by plot.py at 2018-08-22 14:30:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.71 Mbit/s

95th percentile per-packet one-way delay: 5.173 ms

Loss rate: 0.01%

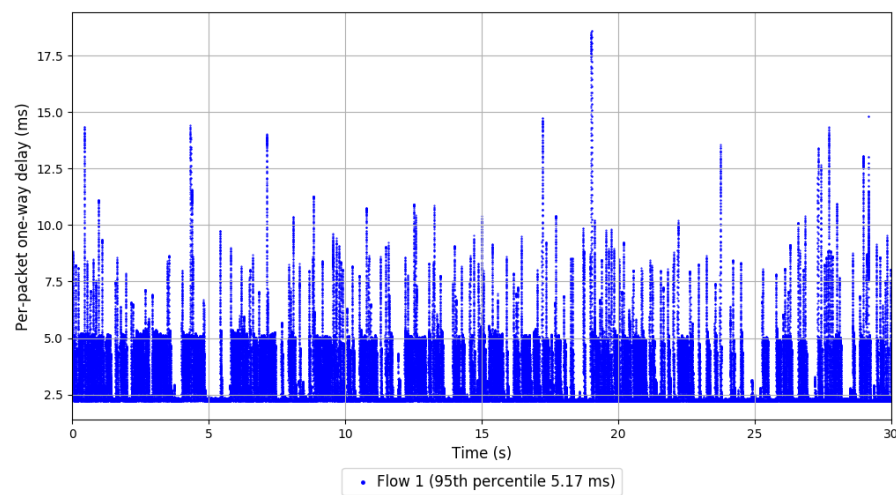
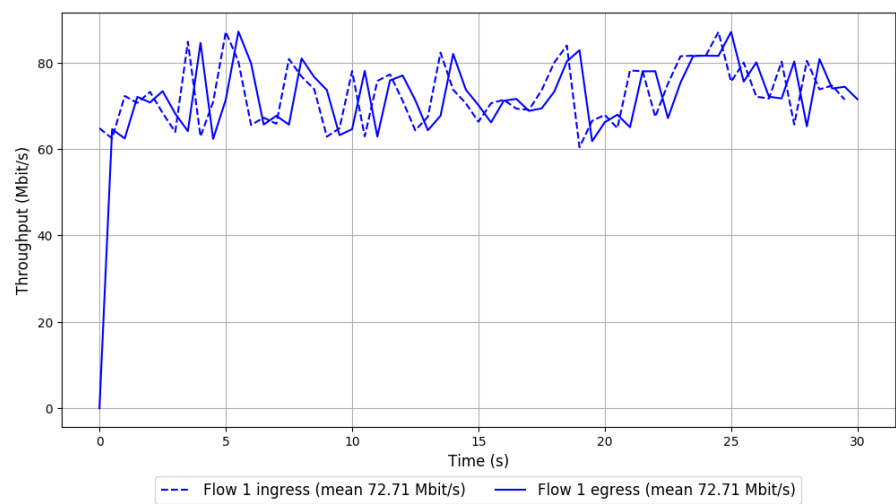
-- Flow 1:

Average throughput: 72.71 Mbit/s

95th percentile per-packet one-way delay: 5.173 ms

Loss rate: 0.01%

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



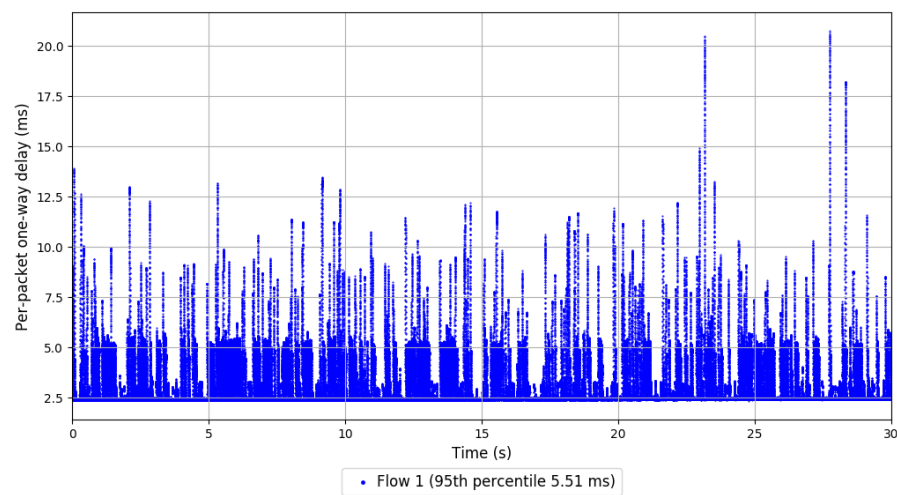
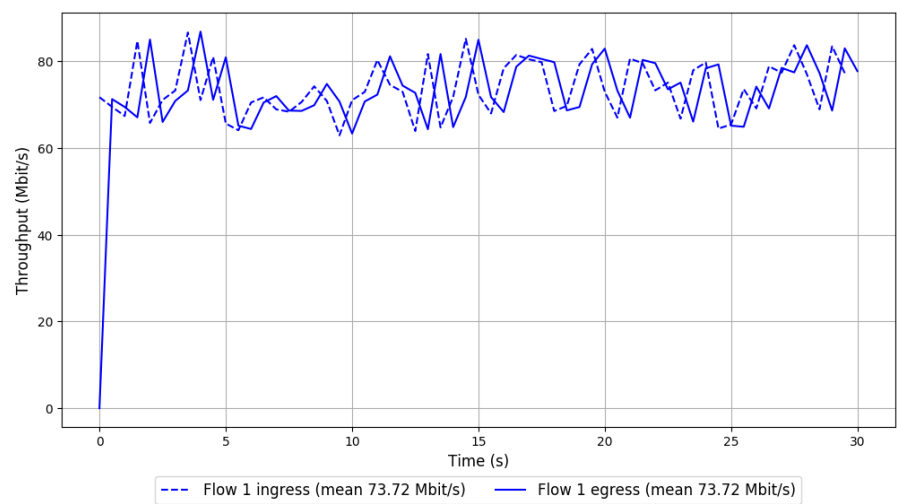
Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 13:46:58  
End at: 2018-08-22 13:47:28  
Local clock offset: -3.288 ms  
Remote clock offset: -2.744 ms

# Below is generated by plot.py at 2018-08-22 14:31:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.72 Mbit/s  
95th percentile per-packet one-way delay: 5.510 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 73.72 Mbit/s  
95th percentile per-packet one-way delay: 5.510 ms  
Loss rate: 0.01%



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

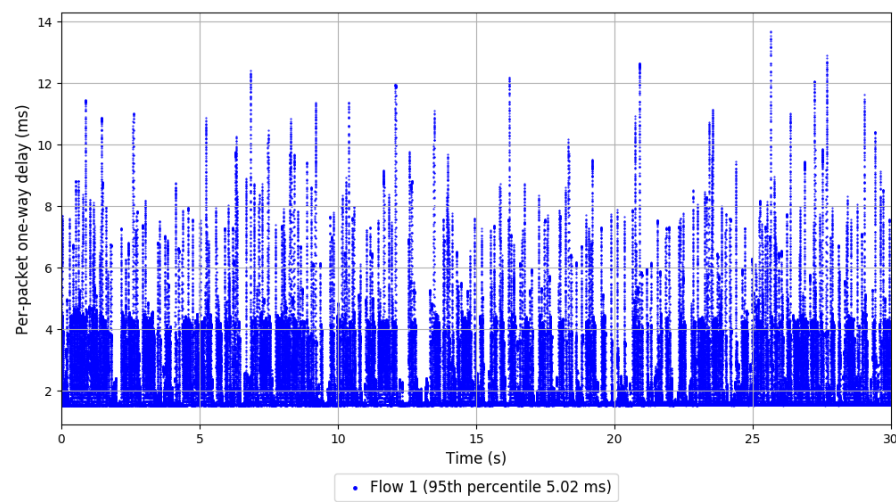
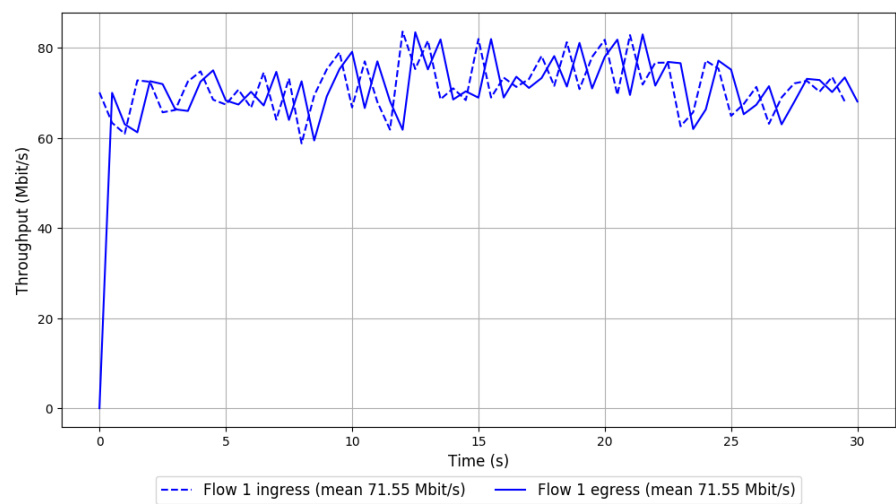


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 14:05:54
End at: 2018-08-22 14:06:24
Local clock offset: -4.722 ms
Remote clock offset: -2.349 ms

# Below is generated by plot.py at 2018-08-22 14:31:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 5.022 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 5.022 ms
Loss rate: 0.01%
```

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

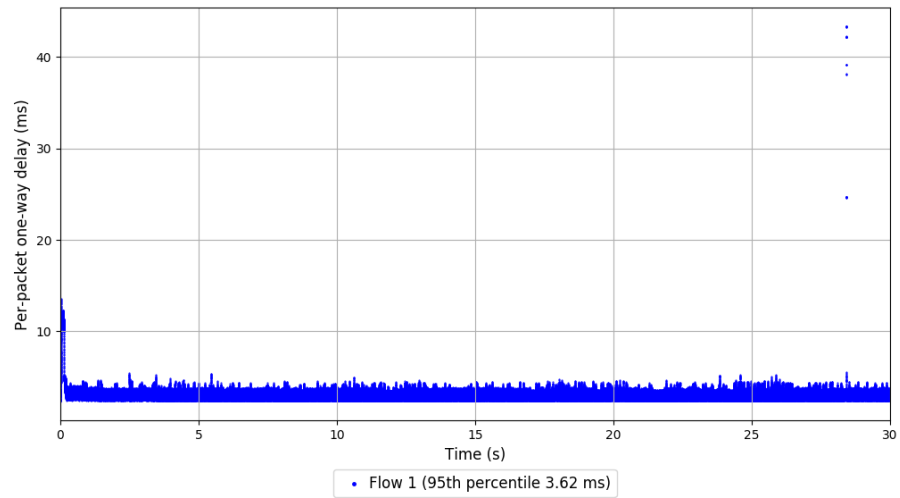
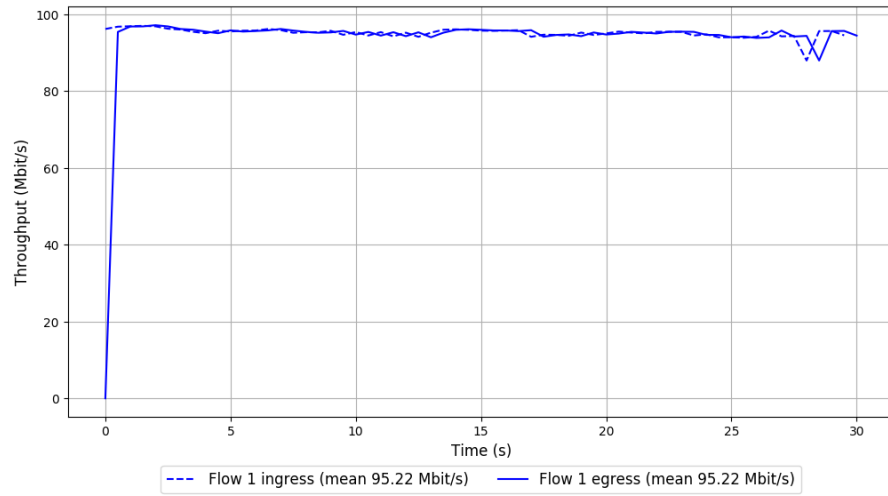


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 11:04:26  
End at: 2018-08-22 11:04:56  
Local clock offset: -4.982 ms  
Remote clock offset: -2.335 ms

# Below is generated by plot.py at 2018-08-22 14:31:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.22 Mbit/s  
95th percentile per-packet one-way delay: 3.617 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.22 Mbit/s  
95th percentile per-packet one-way delay: 3.617 ms  
Loss rate: 0.01%

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

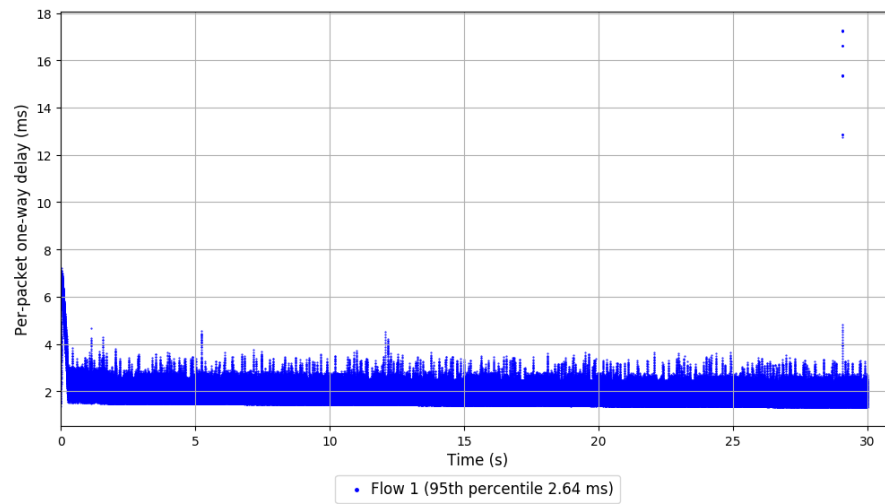
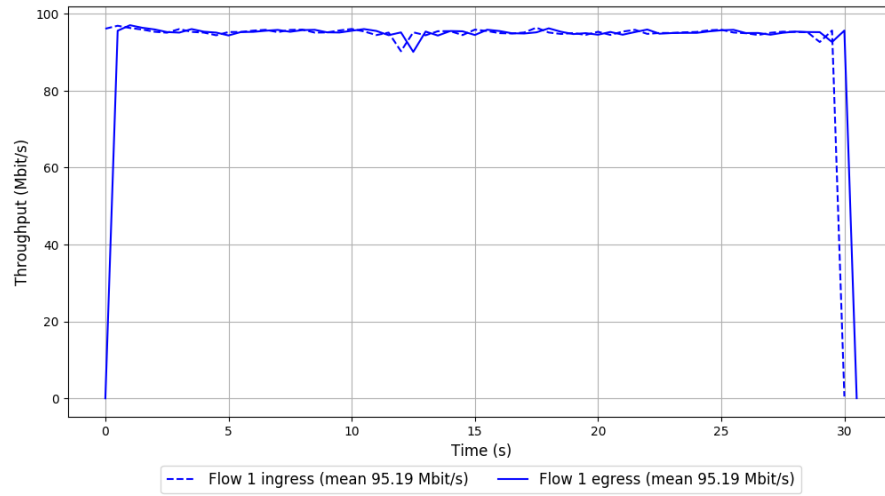


Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 11:23:22  
End at: 2018-08-22 11:23:52  
Local clock offset: -3.964 ms  
Remote clock offset: -3.885 ms

# Below is generated by plot.py at 2018-08-22 14:31:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.19 Mbit/s  
95th percentile per-packet one-way delay: 2.640 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.19 Mbit/s  
95th percentile per-packet one-way delay: 2.640 ms  
Loss rate: 0.01%

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



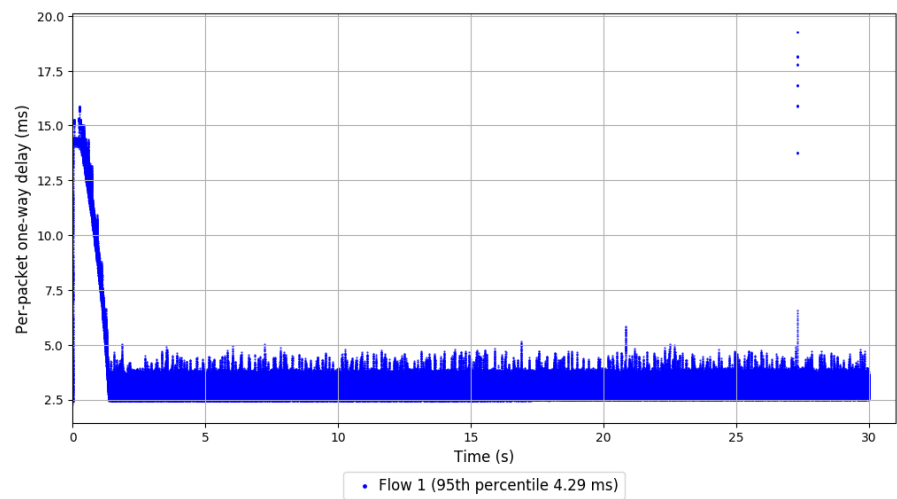
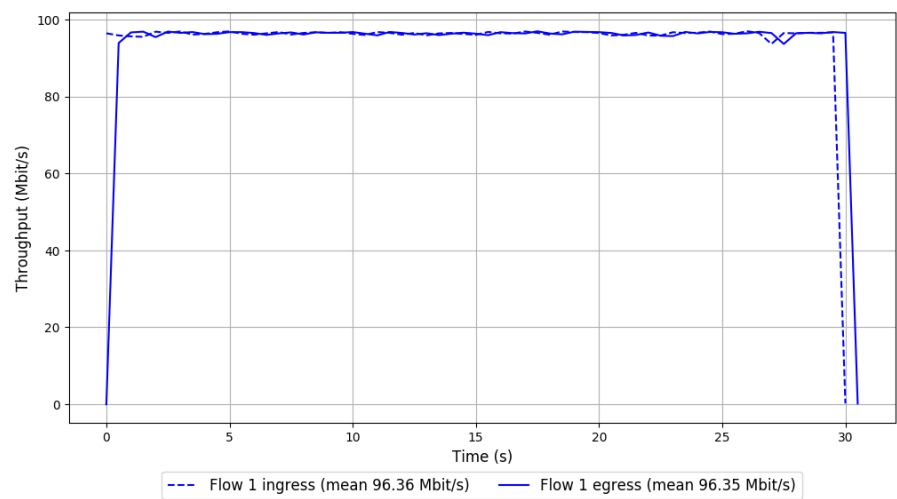
Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 11:42:22  
End at: 2018-08-22 11:42:52  
Local clock offset: -4.579 ms  
Remote clock offset: -6.897 ms

# Below is generated by plot.py at 2018-08-22 14:31:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.35 Mbit/s  
95th percentile per-packet one-way delay: 4.290 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 96.35 Mbit/s  
95th percentile per-packet one-way delay: 4.290 ms  
Loss rate: 0.01%



Run 3: Report of TCP Vegas — Data Link

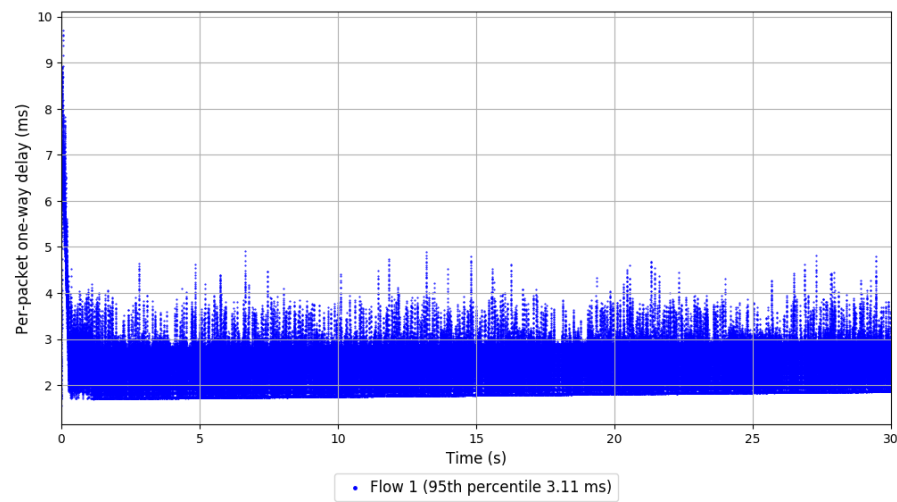
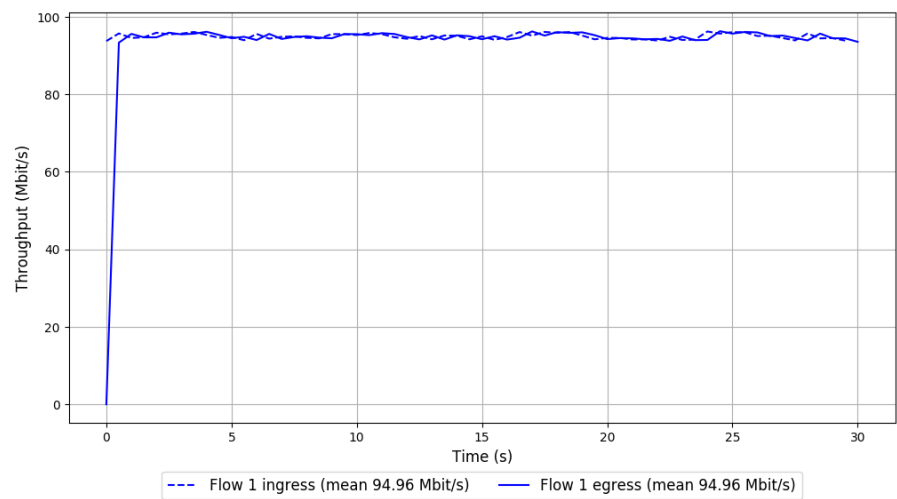


Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 12:01:22  
End at: 2018-08-22 12:01:52  
Local clock offset: -7.451 ms  
Remote clock offset: -4.021 ms

# Below is generated by plot.py at 2018-08-22 14:31:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.96 Mbit/s  
95th percentile per-packet one-way delay: 3.111 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 94.96 Mbit/s  
95th percentile per-packet one-way delay: 3.111 ms  
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 12:20:17

End at: 2018-08-22 12:20:47

Local clock offset: -4.708 ms

Remote clock offset: -1.37 ms

# Below is generated by plot.py at 2018-08-22 14:31:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.48 Mbit/s

95th percentile per-packet one-way delay: 7.208 ms

Loss rate: 0.01%

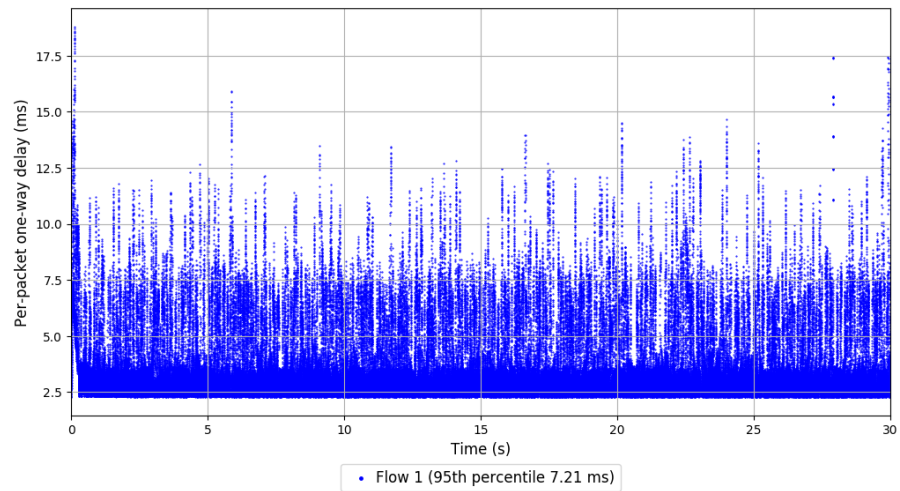
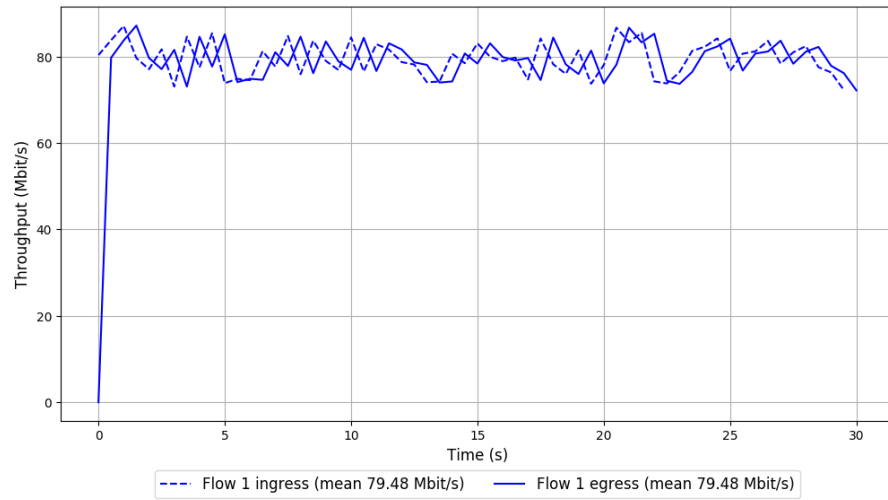
-- Flow 1:

Average throughput: 79.48 Mbit/s

95th percentile per-packet one-way delay: 7.208 ms

Loss rate: 0.01%

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

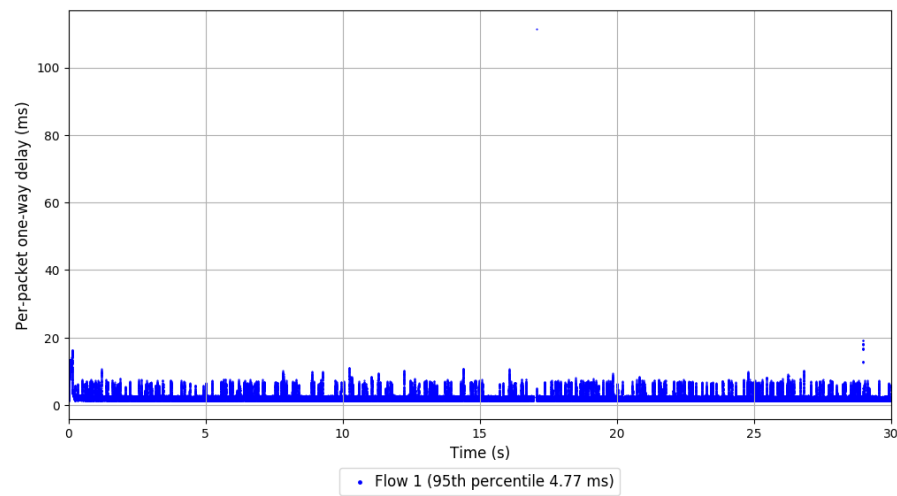
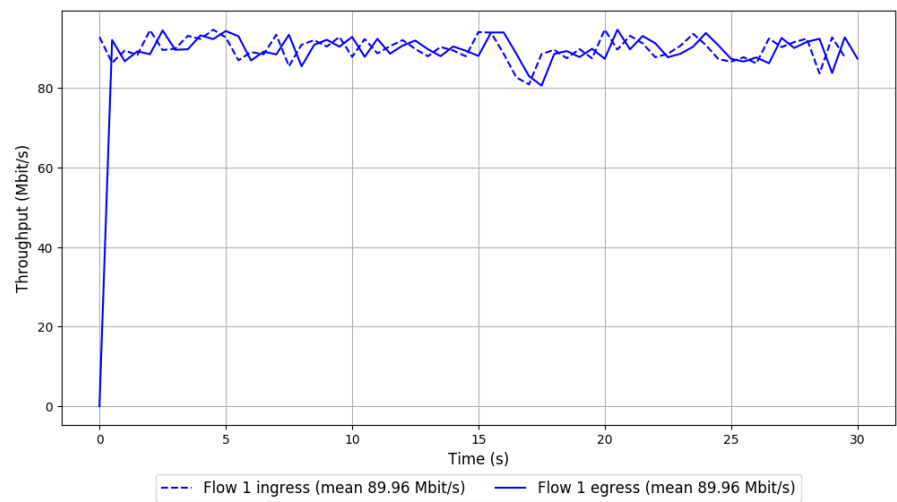


Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 12:39:08  
End at: 2018-08-22 12:39:38  
Local clock offset: -4.562 ms  
Remote clock offset: -2.793 ms

# Below is generated by plot.py at 2018-08-22 14:31:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.96 Mbit/s  
95th percentile per-packet one-way delay: 4.766 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 89.96 Mbit/s  
95th percentile per-packet one-way delay: 4.766 ms  
Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link



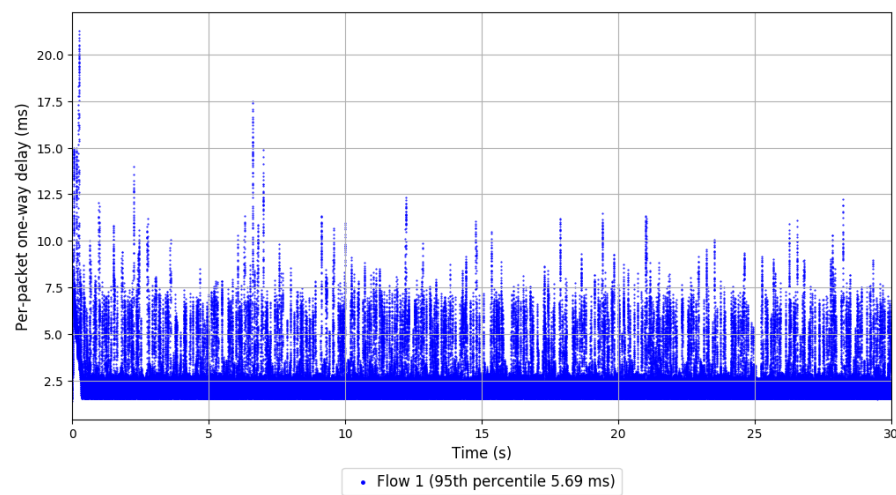
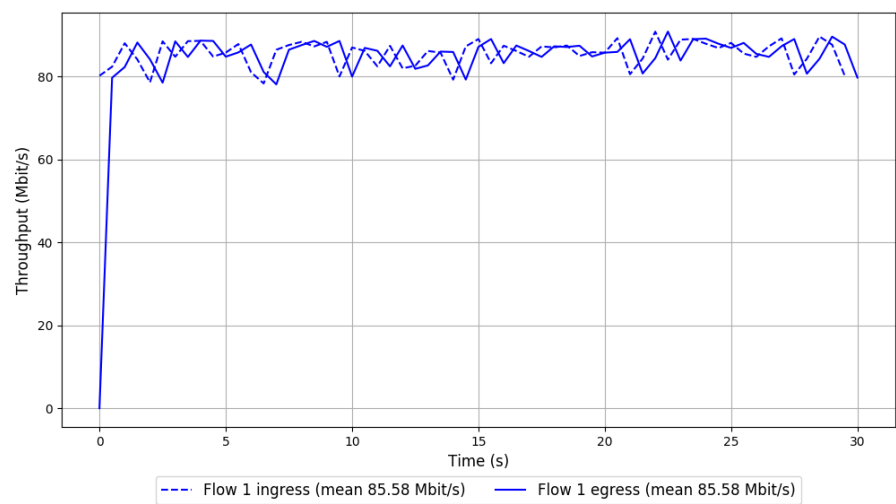
Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 12:58:03  
End at: 2018-08-22 12:58:33  
Local clock offset: -2.937 ms  
Remote clock offset: -3.308 ms

# Below is generated by plot.py at 2018-08-22 14:32:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.58 Mbit/s  
95th percentile per-packet one-way delay: 5.693 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 85.58 Mbit/s  
95th percentile per-packet one-way delay: 5.693 ms  
Loss rate: 0.02%



Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 13:16:57

End at: 2018-08-22 13:17:27

Local clock offset: -2.98 ms

Remote clock offset: -3.328 ms

# Below is generated by plot.py at 2018-08-22 14:32:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.89 Mbit/s

95th percentile per-packet one-way delay: 5.347 ms

Loss rate: 0.01%

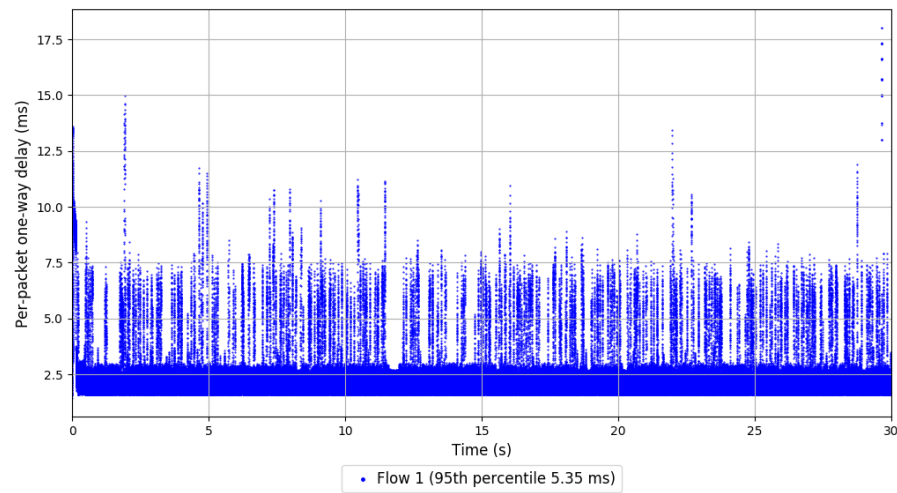
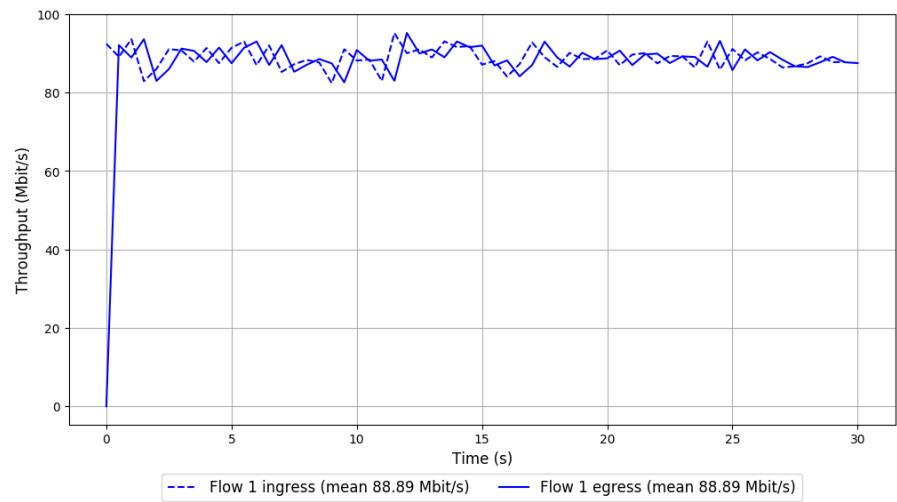
-- Flow 1:

Average throughput: 88.89 Mbit/s

95th percentile per-packet one-way delay: 5.347 ms

Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link

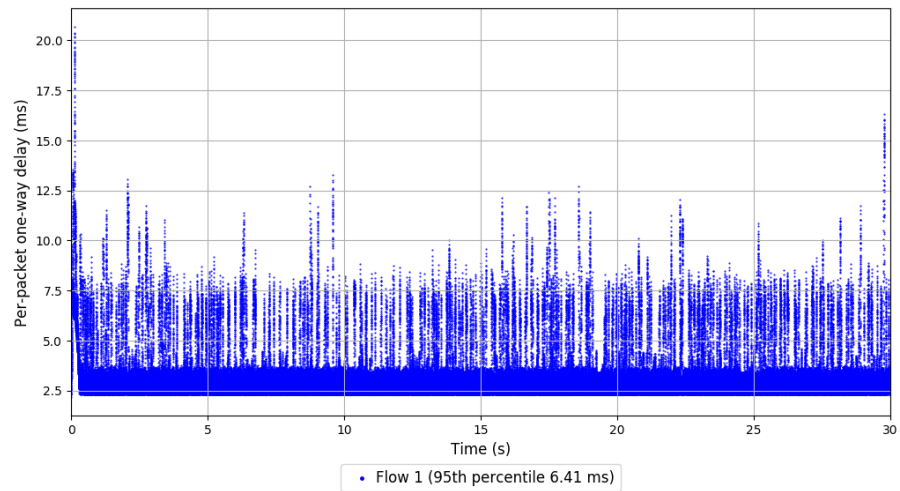
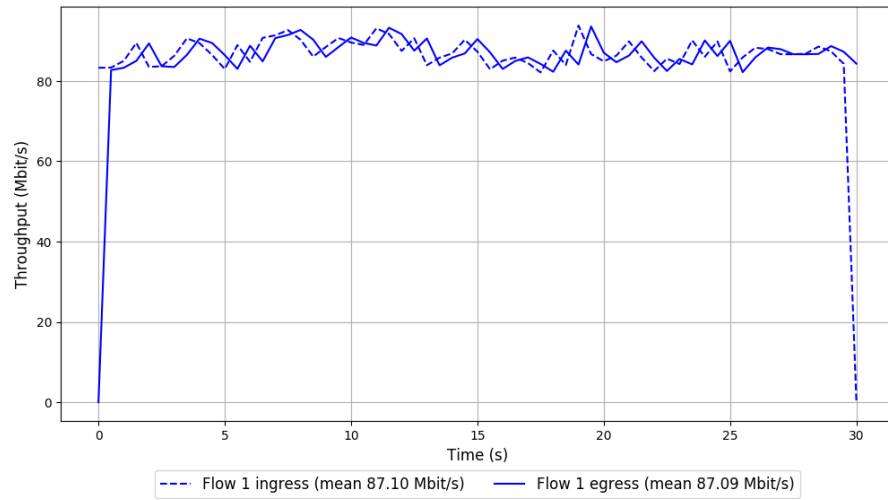


Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 13:35:53  
End at: 2018-08-22 13:36:23  
Local clock offset: -2.179 ms  
Remote clock offset: -3.291 ms

# Below is generated by plot.py at 2018-08-22 14:32:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.09 Mbit/s  
95th percentile per-packet one-way delay: 6.411 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 87.09 Mbit/s  
95th percentile per-packet one-way delay: 6.411 ms  
Loss rate: 0.01%

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

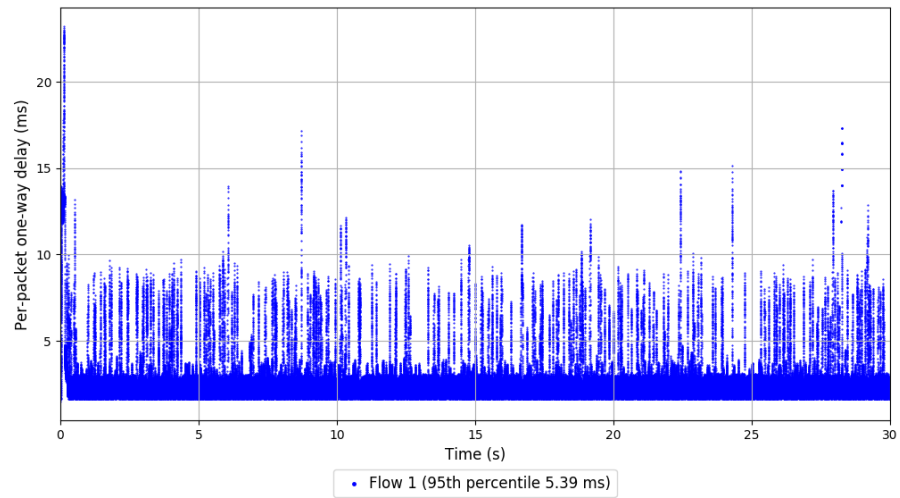
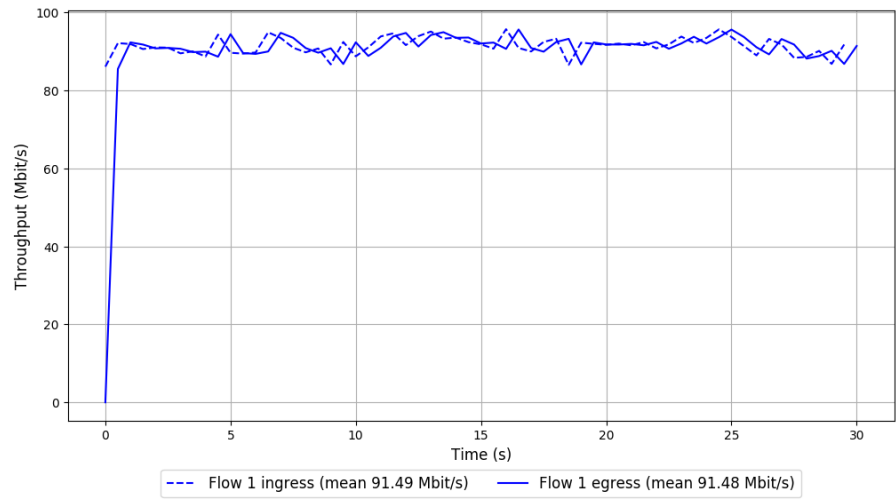


Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 13:54:47  
End at: 2018-08-22 13:55:17  
Local clock offset: -4.409 ms  
Remote clock offset: -2.594 ms

# Below is generated by plot.py at 2018-08-22 14:32:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.48 Mbit/s  
95th percentile per-packet one-way delay: 5.395 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 91.48 Mbit/s  
95th percentile per-packet one-way delay: 5.395 ms  
Loss rate: 0.02%

# Run 10: Report of TCP Vegas — Data Link



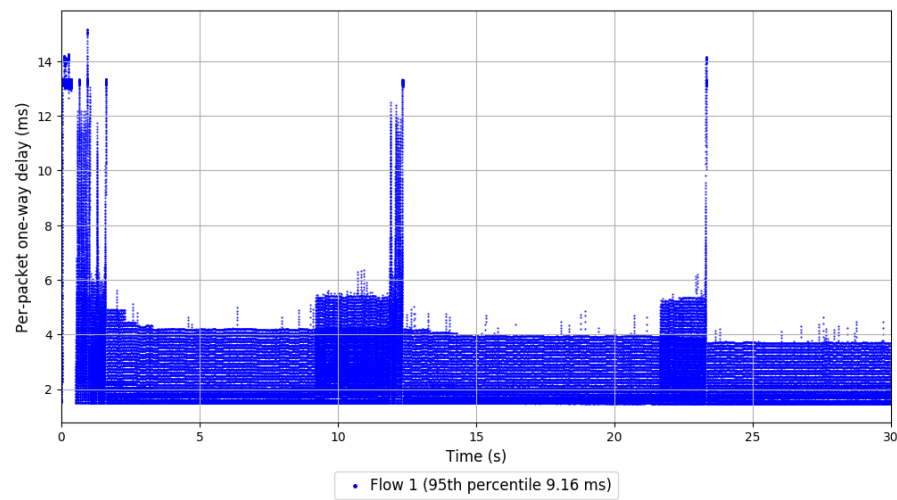
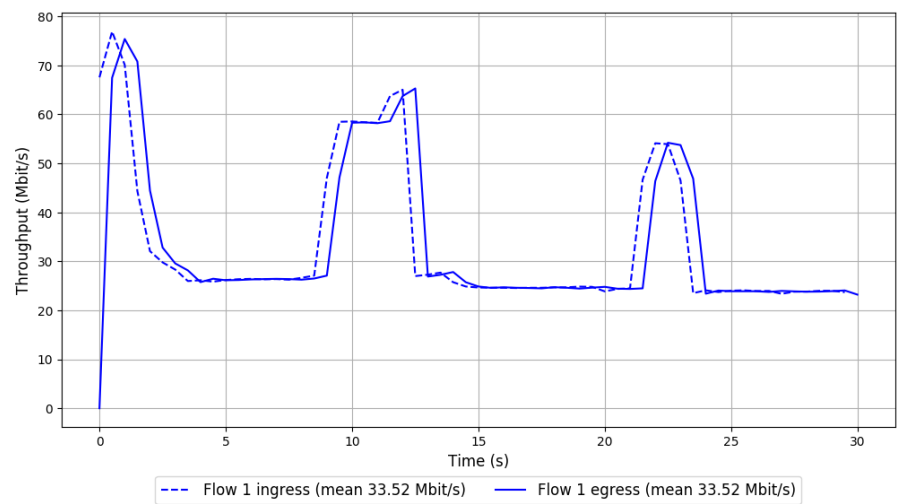
Run 1: Statistics of Verus

Start at: 2018-08-22 11:14:25  
End at: 2018-08-22 11:14:55  
Local clock offset: -4.603 ms  
Remote clock offset: -2.287 ms

# Below is generated by plot.py at 2018-08-22 14:32:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.52 Mbit/s  
95th percentile per-packet one-way delay: 9.161 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 33.52 Mbit/s  
95th percentile per-packet one-way delay: 9.161 ms  
Loss rate: 0.03%



Run 1: Report of Verus — Data Link

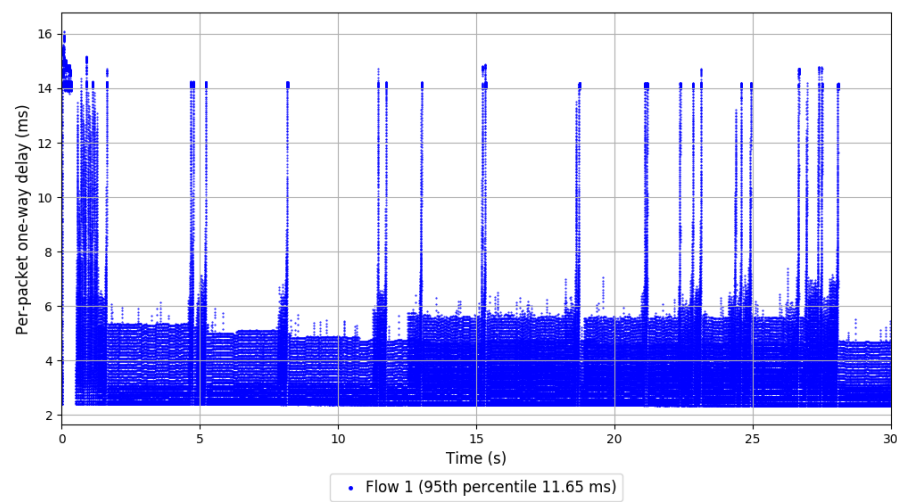
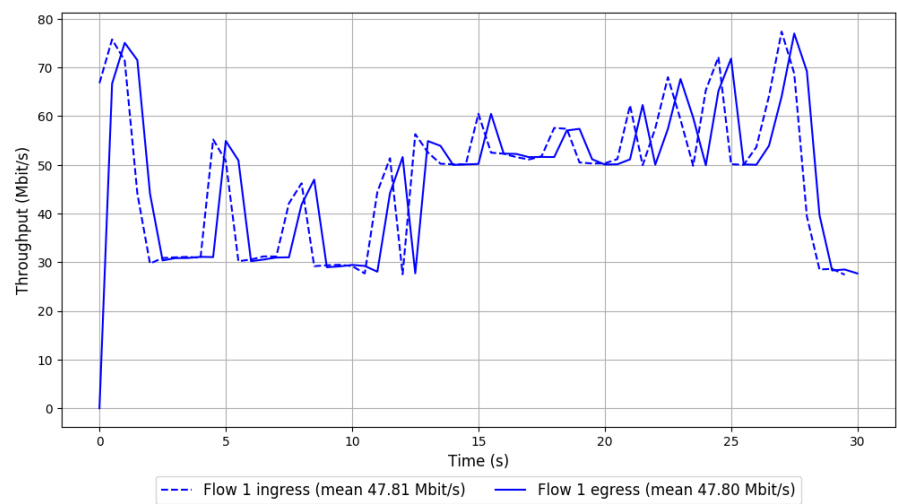


Run 2: Statistics of Verus

Start at: 2018-08-22 11:33:24  
End at: 2018-08-22 11:33:54  
Local clock offset: -2.944 ms  
Remote clock offset: -6.061 ms

# Below is generated by plot.py at 2018-08-22 14:32:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 47.80 Mbit/s  
95th percentile per-packet one-way delay: 11.647 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 47.80 Mbit/s  
95th percentile per-packet one-way delay: 11.647 ms  
Loss rate: 0.01%

Run 2: Report of Verus — Data Link

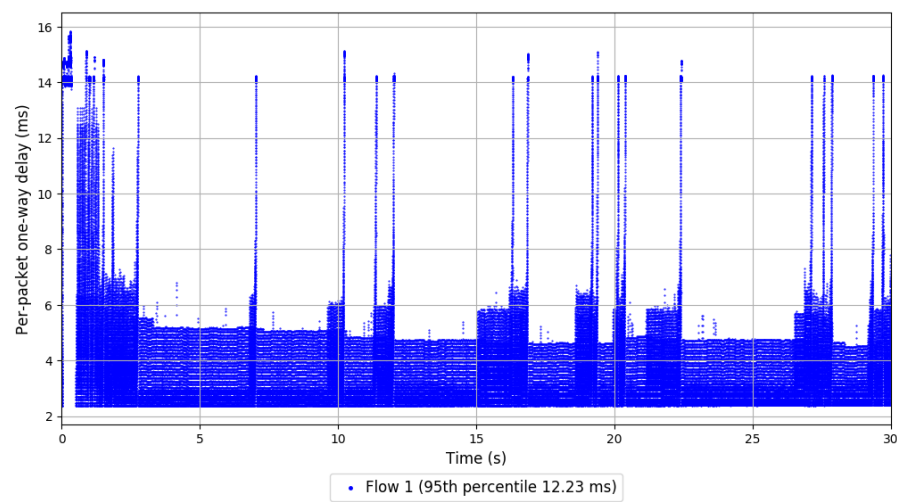
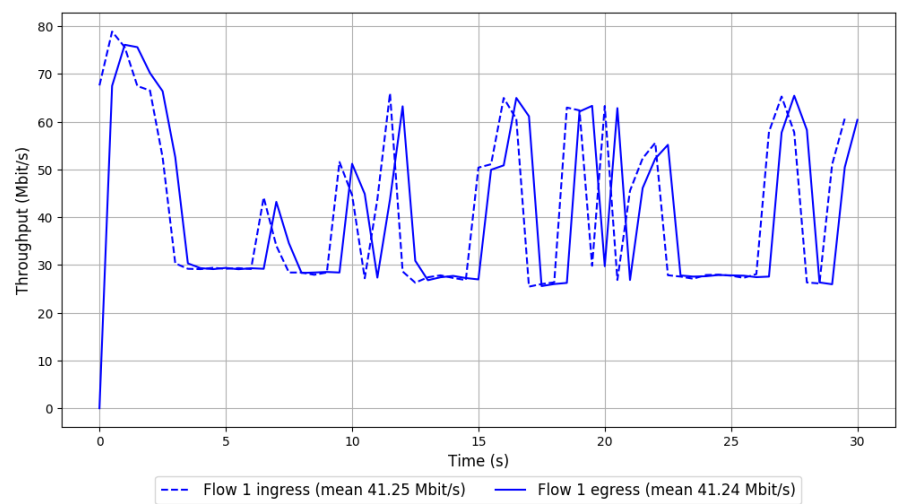


Run 3: Statistics of Verus

Start at: 2018-08-22 11:52:24  
End at: 2018-08-22 11:52:54  
Local clock offset: -6.006 ms  
Remote clock offset: -7.426 ms

# Below is generated by plot.py at 2018-08-22 14:32:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.24 Mbit/s  
95th percentile per-packet one-way delay: 12.232 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 41.24 Mbit/s  
95th percentile per-packet one-way delay: 12.232 ms  
Loss rate: 0.05%

Run 3: Report of Verus — Data Link

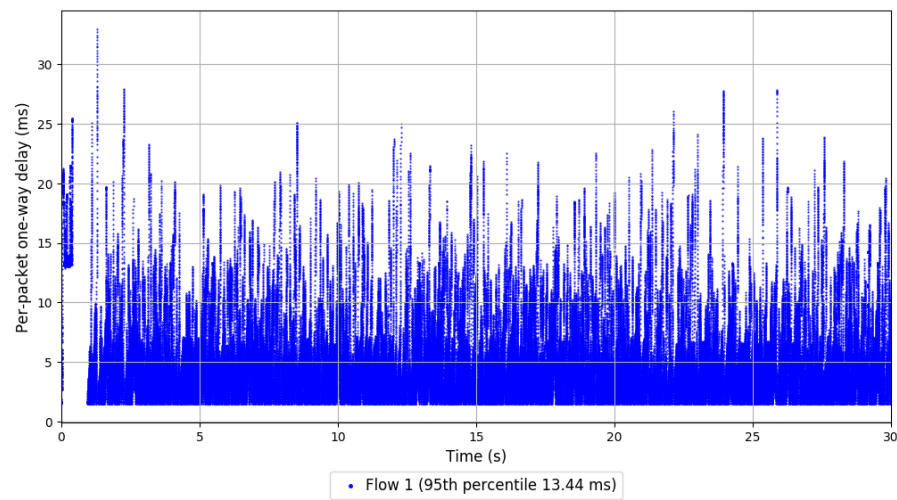
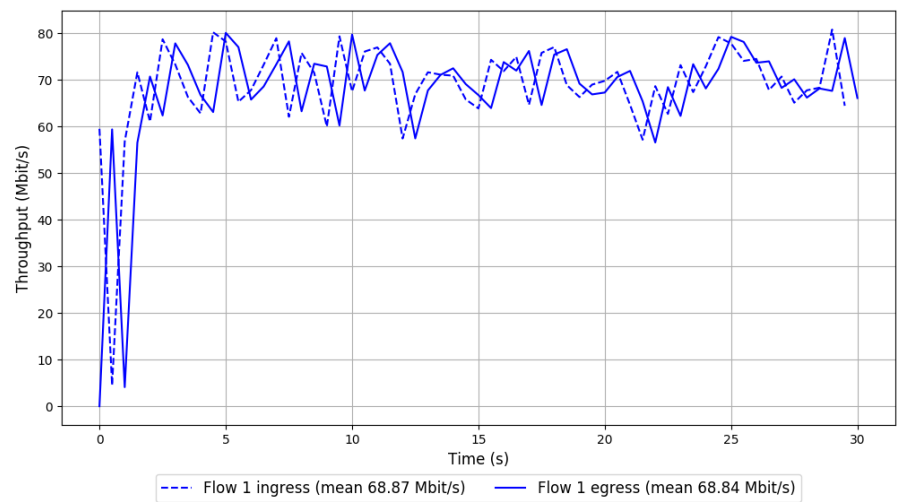


Run 4: Statistics of Verus

Start at: 2018-08-22 12:11:23  
End at: 2018-08-22 12:11:53  
Local clock offset: -6.629 ms  
Remote clock offset: -2.154 ms

# Below is generated by plot.py at 2018-08-22 14:32:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.84 Mbit/s  
95th percentile per-packet one-way delay: 13.438 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 68.84 Mbit/s  
95th percentile per-packet one-way delay: 13.438 ms  
Loss rate: 0.02%

Run 4: Report of Verus — Data Link



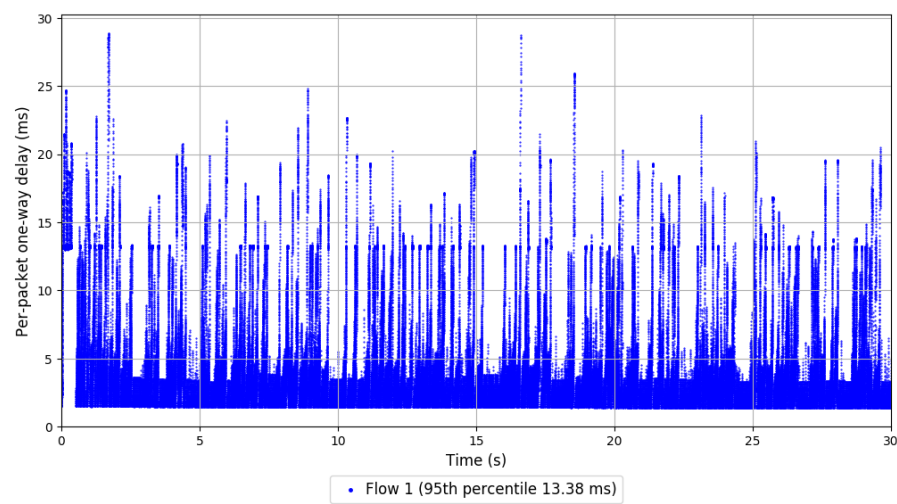
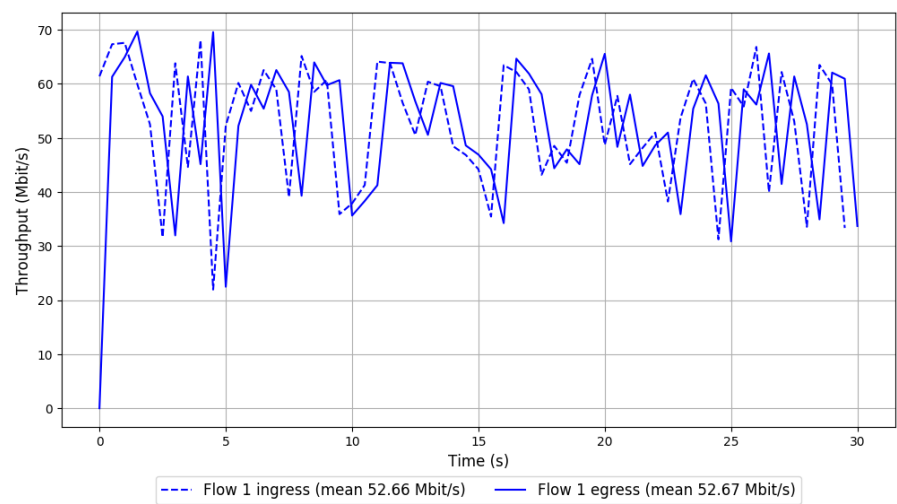
Run 5: Statistics of Verus

Start at: 2018-08-22 12:30:12  
End at: 2018-08-22 12:30:42  
Local clock offset: -5.07 ms  
Remote clock offset: -1.652 ms

# Below is generated by plot.py at 2018-08-22 14:32:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.67 Mbit/s  
95th percentile per-packet one-way delay: 13.385 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 52.67 Mbit/s  
95th percentile per-packet one-way delay: 13.385 ms  
Loss rate: 0.00%



Run 5: Report of Verus — Data Link

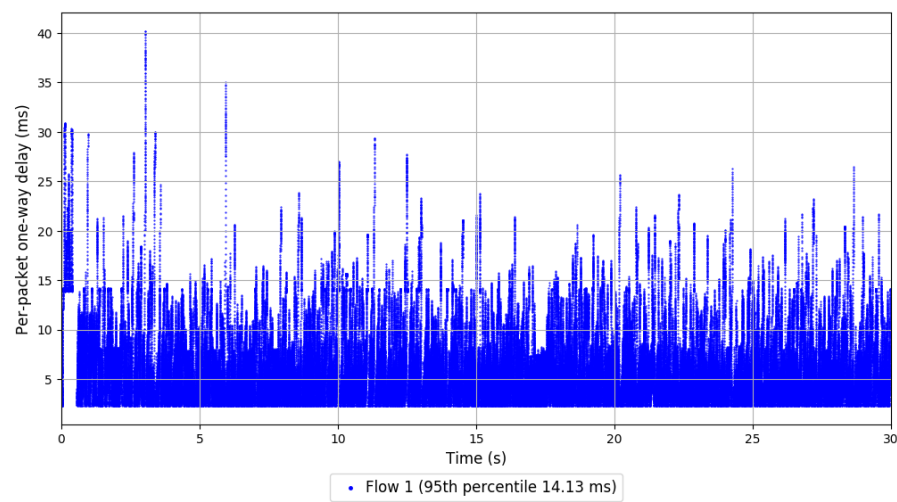
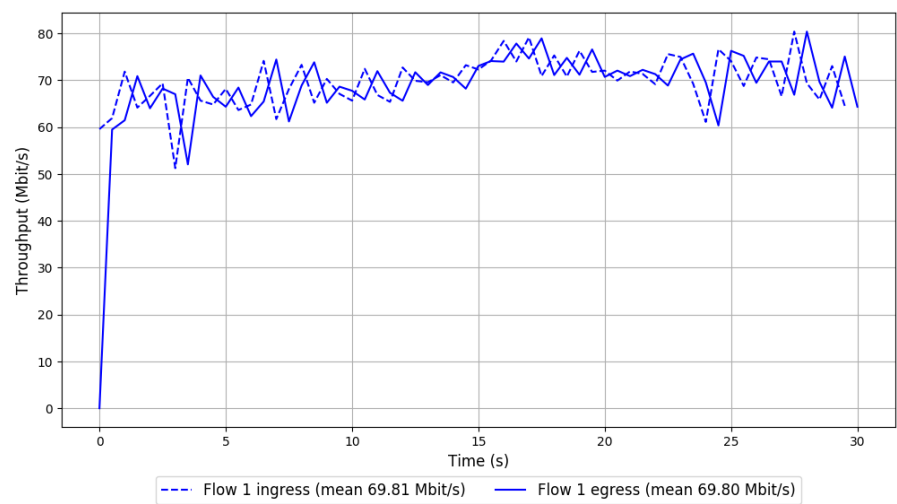


Run 6: Statistics of Verus

Start at: 2018-08-22 12:49:07  
End at: 2018-08-22 12:49:37  
Local clock offset: -2.645 ms  
Remote clock offset: -3.224 ms

# Below is generated by plot.py at 2018-08-22 14:33:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.80 Mbit/s  
95th percentile per-packet one-way delay: 14.126 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 69.80 Mbit/s  
95th percentile per-packet one-way delay: 14.126 ms  
Loss rate: 0.02%

Run 6: Report of Verus — Data Link

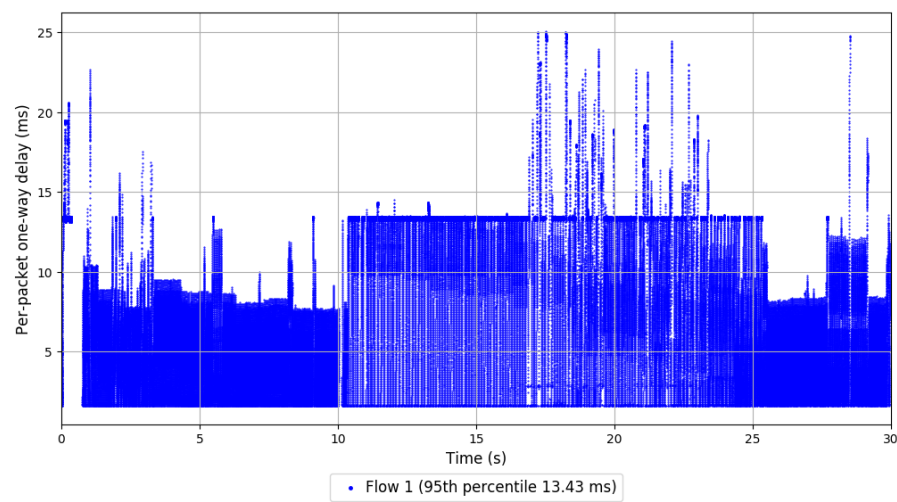
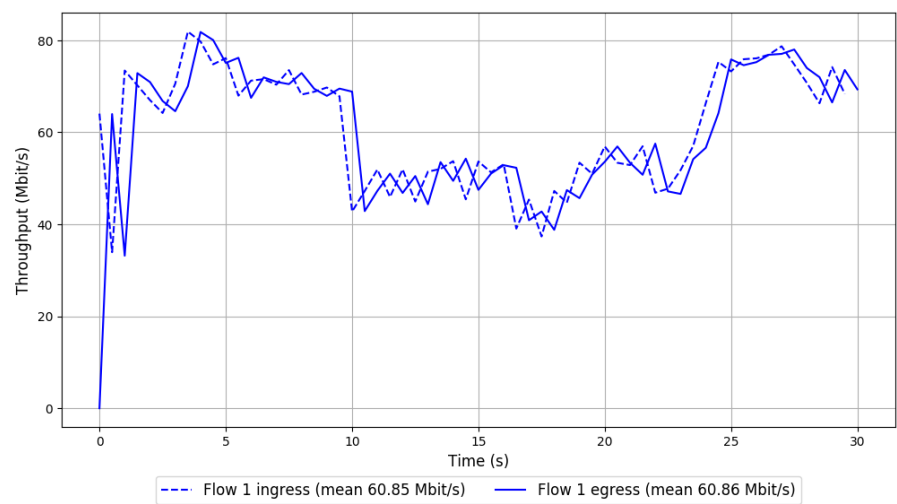


Run 7: Statistics of Verus

Start at: 2018-08-22 13:08:01  
End at: 2018-08-22 13:08:31  
Local clock offset: -2.723 ms  
Remote clock offset: -3.352 ms

# Below is generated by plot.py at 2018-08-22 14:33:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 60.86 Mbit/s  
95th percentile per-packet one-way delay: 13.428 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 60.86 Mbit/s  
95th percentile per-packet one-way delay: 13.428 ms  
Loss rate: 0.01%

Run 7: Report of Verus — Data Link

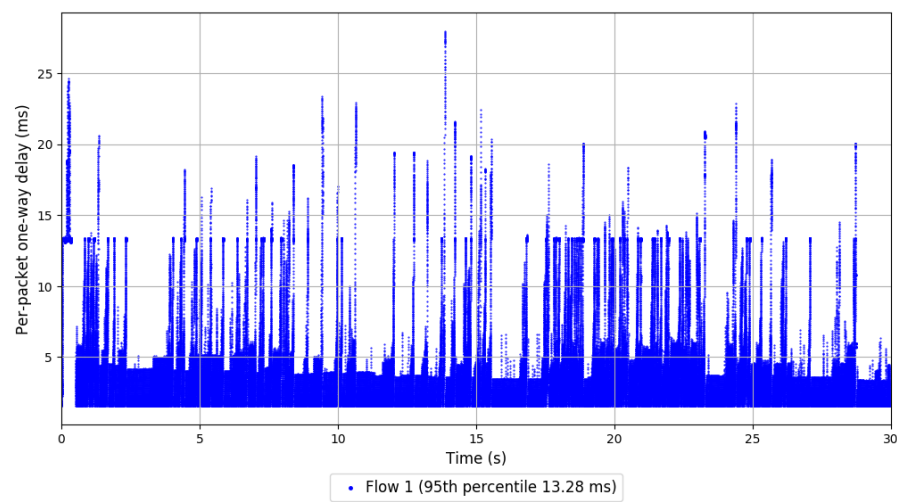
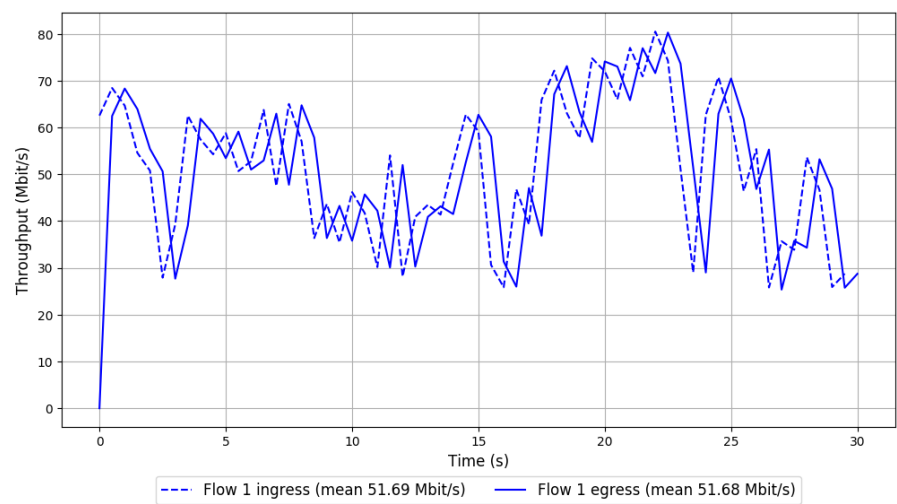


Run 8: Statistics of Verus

Start at: 2018-08-22 13:26:57  
End at: 2018-08-22 13:27:27  
Local clock offset: -2.984 ms  
Remote clock offset: -3.299 ms

# Below is generated by plot.py at 2018-08-22 14:33:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 51.68 Mbit/s  
95th percentile per-packet one-way delay: 13.281 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 51.68 Mbit/s  
95th percentile per-packet one-way delay: 13.281 ms  
Loss rate: 0.01%

Run 8: Report of Verus — Data Link



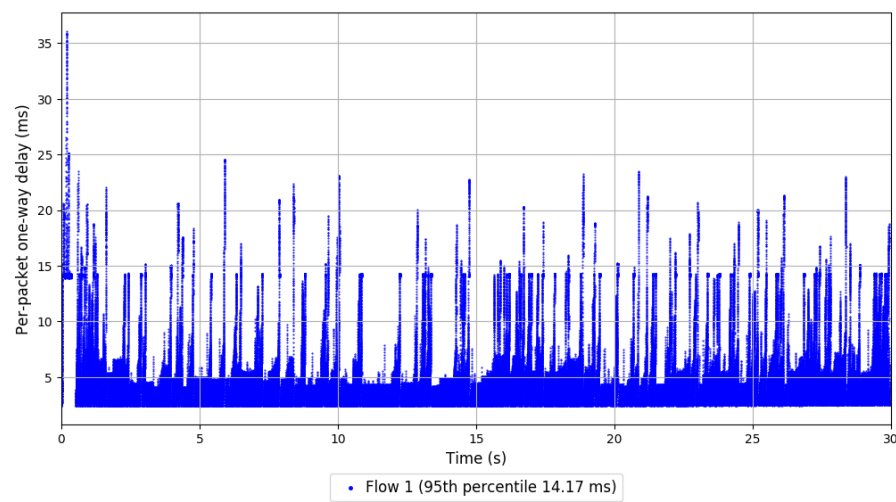
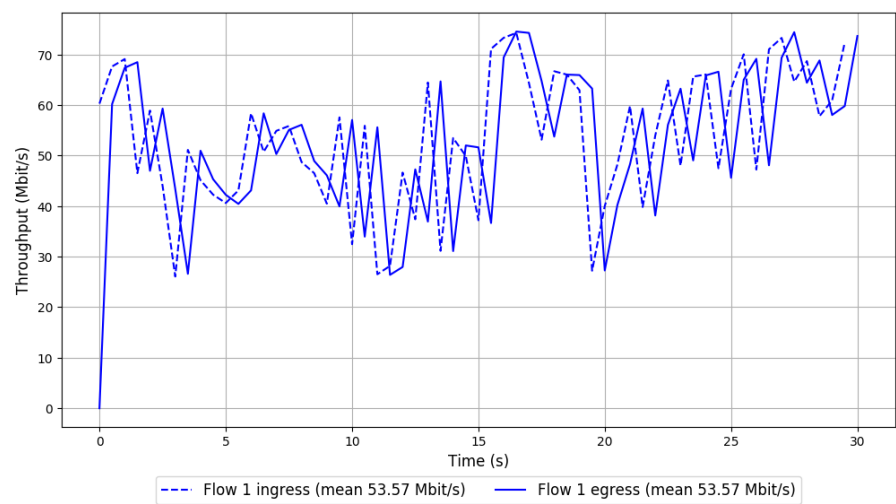
Run 9: Statistics of Verus

Start at: 2018-08-22 13:45:51  
End at: 2018-08-22 13:46:21  
Local clock offset: -3.229 ms  
Remote clock offset: -2.837 ms

# Below is generated by plot.py at 2018-08-22 14:33:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.57 Mbit/s  
95th percentile per-packet one-way delay: 14.174 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 53.57 Mbit/s  
95th percentile per-packet one-way delay: 14.174 ms  
Loss rate: 0.01%



Run 9: Report of Verus — Data Link

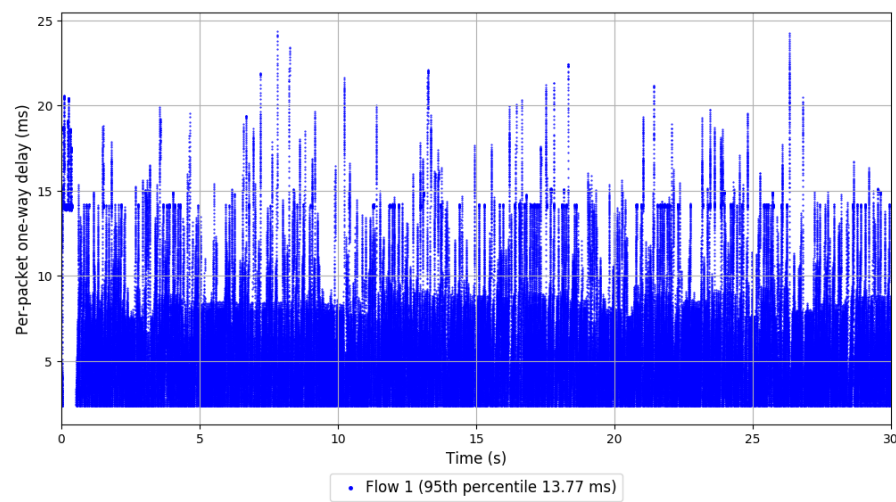
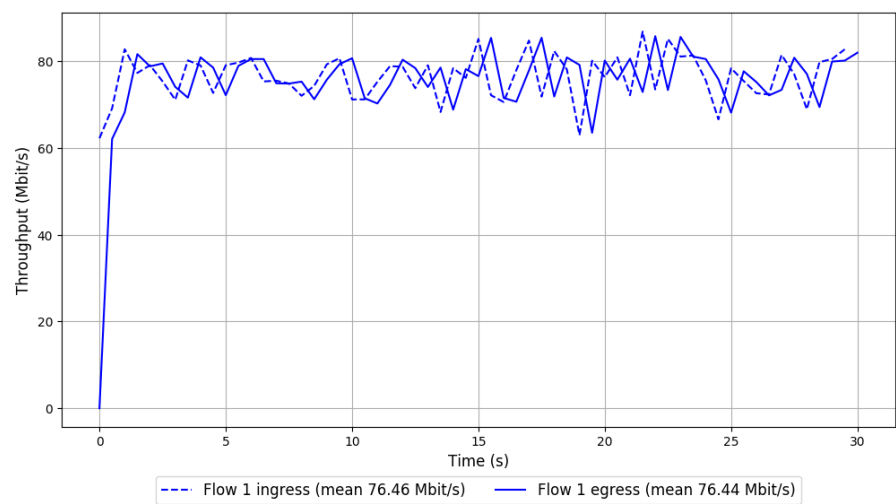


Run 10: Statistics of Verus

Start at: 2018-08-22 14:04:46  
End at: 2018-08-22 14:05:16  
Local clock offset: -3.848 ms  
Remote clock offset: -2.359 ms

# Below is generated by plot.py at 2018-08-22 14:33:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.44 Mbit/s  
95th percentile per-packet one-way delay: 13.770 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 76.44 Mbit/s  
95th percentile per-packet one-way delay: 13.770 ms  
Loss rate: 0.04%

Run 10: Report of Verus — Data Link

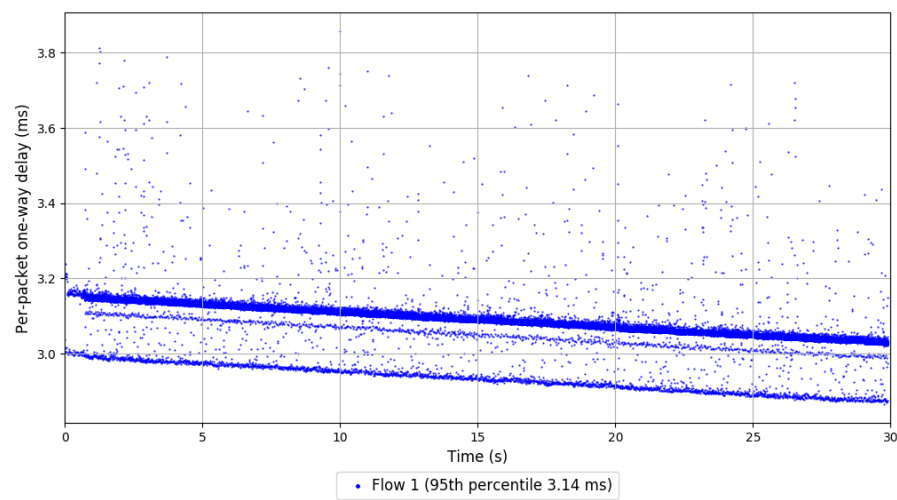
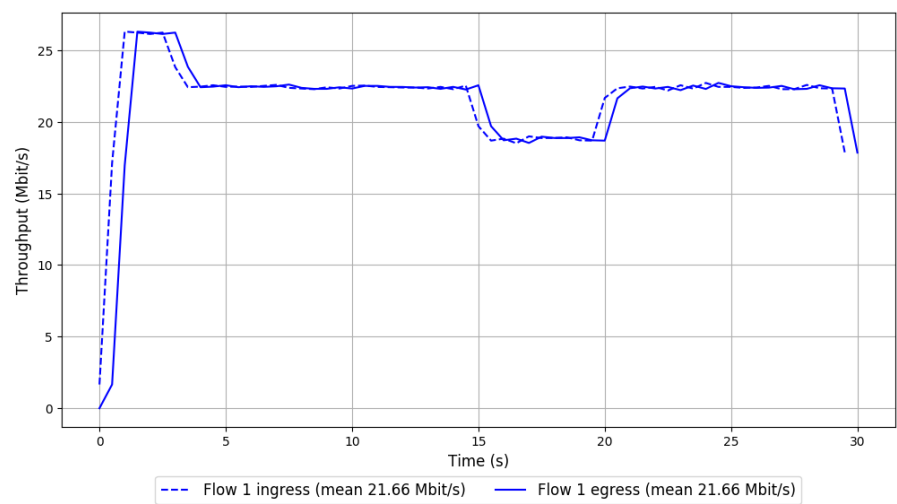


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 11:06:39  
End at: 2018-08-22 11:07:09  
Local clock offset: -4.305 ms  
Remote clock offset: -2.379 ms

# Below is generated by plot.py at 2018-08-22 14:33:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.66 Mbit/s  
95th percentile per-packet one-way delay: 3.144 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 21.66 Mbit/s  
95th percentile per-packet one-way delay: 3.144 ms  
Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link

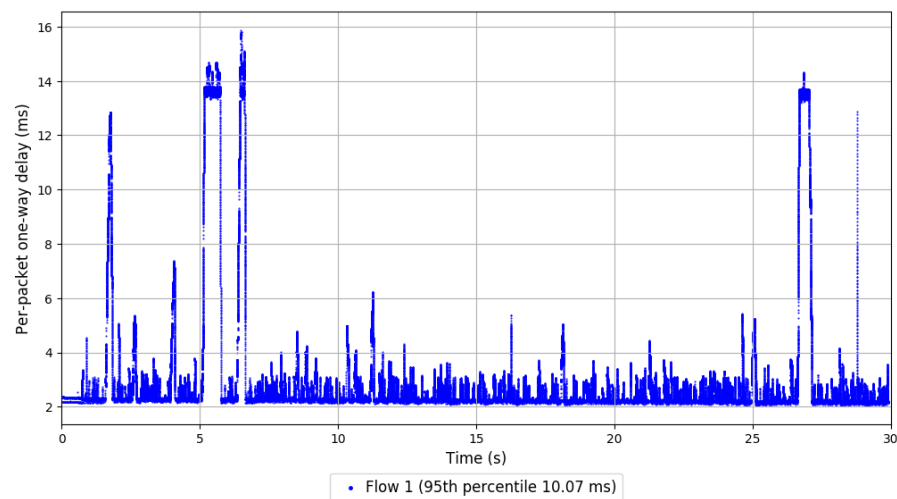
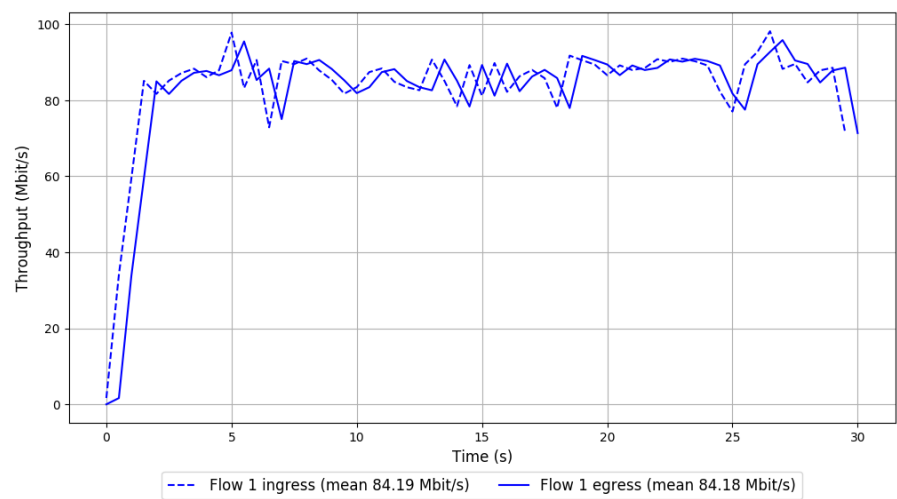


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 11:25:36  
End at: 2018-08-22 11:26:06  
Local clock offset: -3.165 ms  
Remote clock offset: -4.611 ms

# Below is generated by plot.py at 2018-08-22 14:34:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.18 Mbit/s  
95th percentile per-packet one-way delay: 10.075 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 84.18 Mbit/s  
95th percentile per-packet one-way delay: 10.075 ms  
Loss rate: 0.02%

Run 2: Report of PCC-Vivace — Data Link



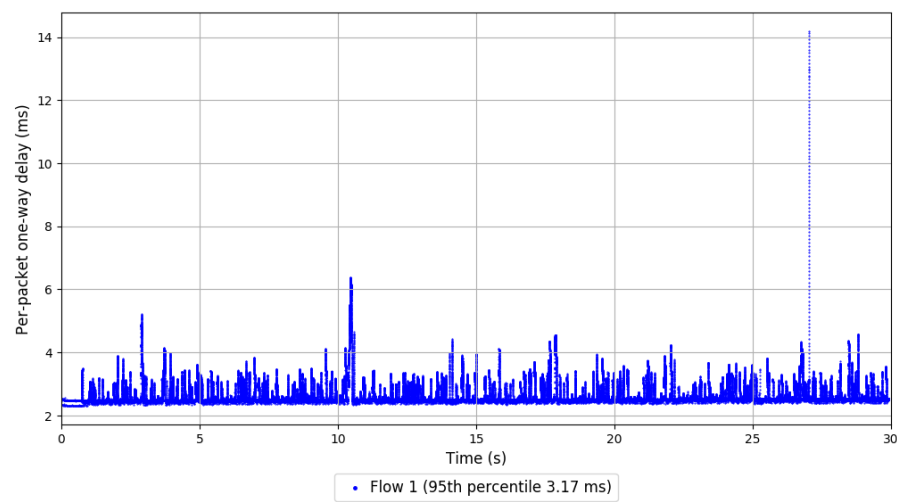
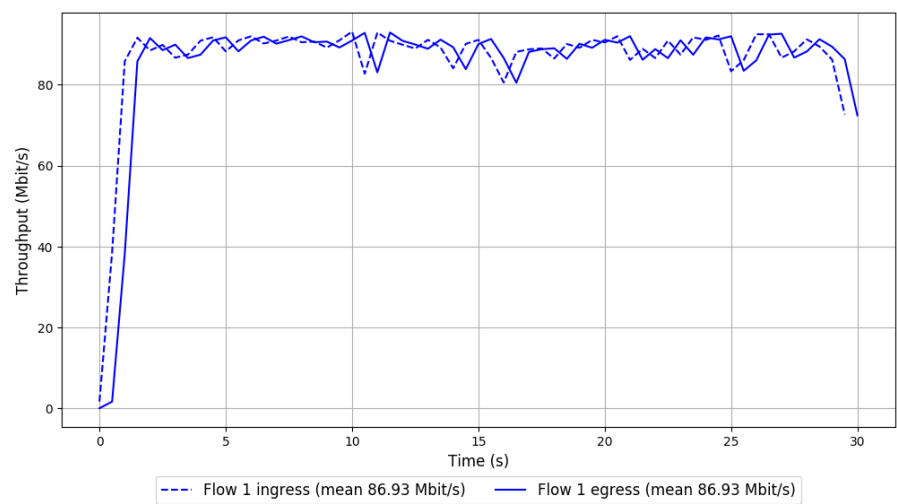
Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 11:44:35  
End at: 2018-08-22 11:45:05  
Local clock offset: -4.972 ms  
Remote clock offset: -7.046 ms

# Below is generated by plot.py at 2018-08-22 14:34:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.93 Mbit/s  
95th percentile per-packet one-way delay: 3.174 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 86.93 Mbit/s  
95th percentile per-packet one-way delay: 3.174 ms  
Loss rate: 0.01%



Run 3: Report of PCC-Vivace — Data Link

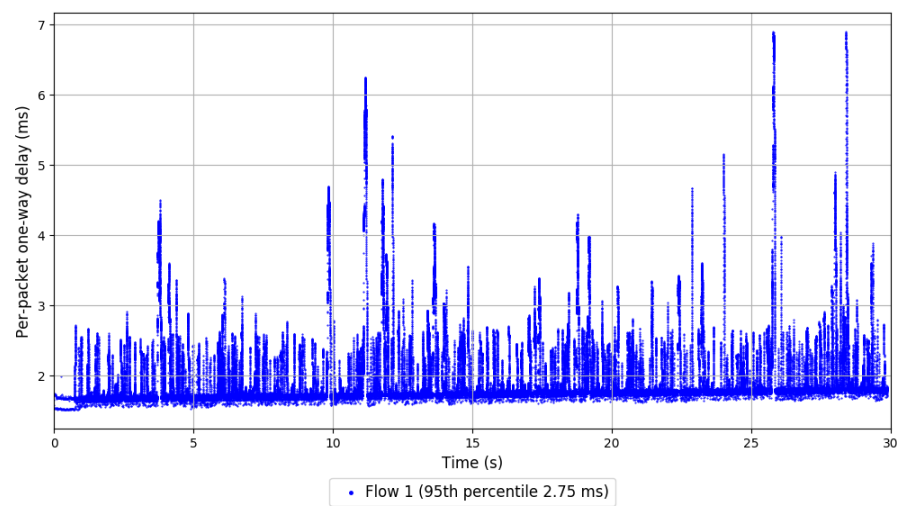
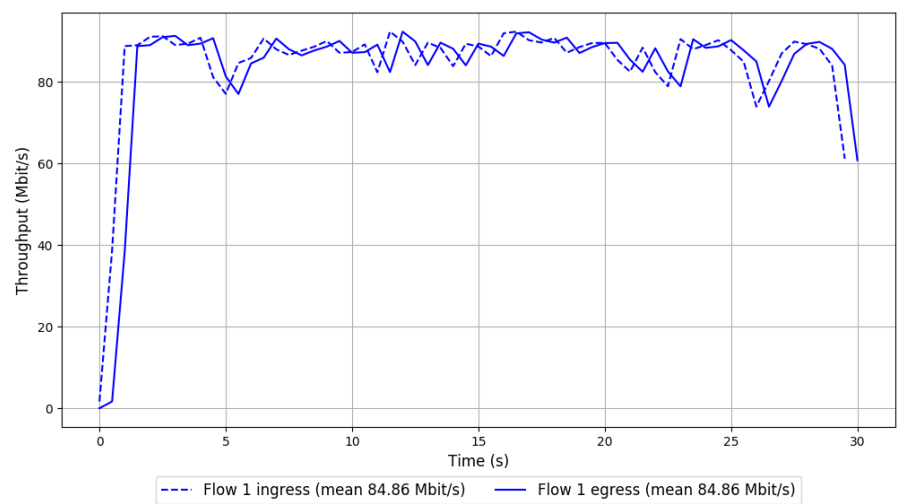


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 12:03:35  
End at: 2018-08-22 12:04:05  
Local clock offset: -7.562 ms  
Remote clock offset: -3.437 ms

# Below is generated by plot.py at 2018-08-22 14:34:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.86 Mbit/s  
95th percentile per-packet one-way delay: 2.751 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 84.86 Mbit/s  
95th percentile per-packet one-way delay: 2.751 ms  
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

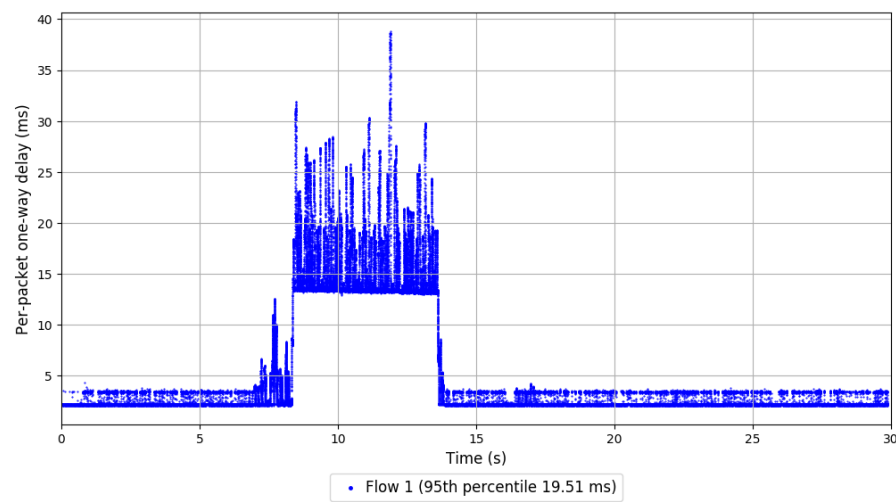
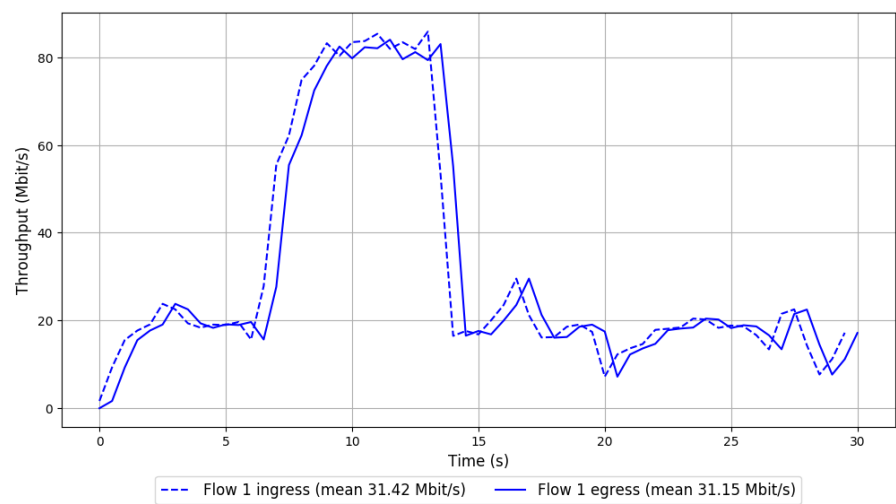


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 12:22:29  
End at: 2018-08-22 12:22:59  
Local clock offset: -4.617 ms  
Remote clock offset: -1.184 ms

# Below is generated by plot.py at 2018-08-22 14:34:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 31.15 Mbit/s  
95th percentile per-packet one-way delay: 19.507 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 31.15 Mbit/s  
95th percentile per-packet one-way delay: 19.507 ms  
Loss rate: 0.87%

Run 5: Report of PCC-Vivace — Data Link

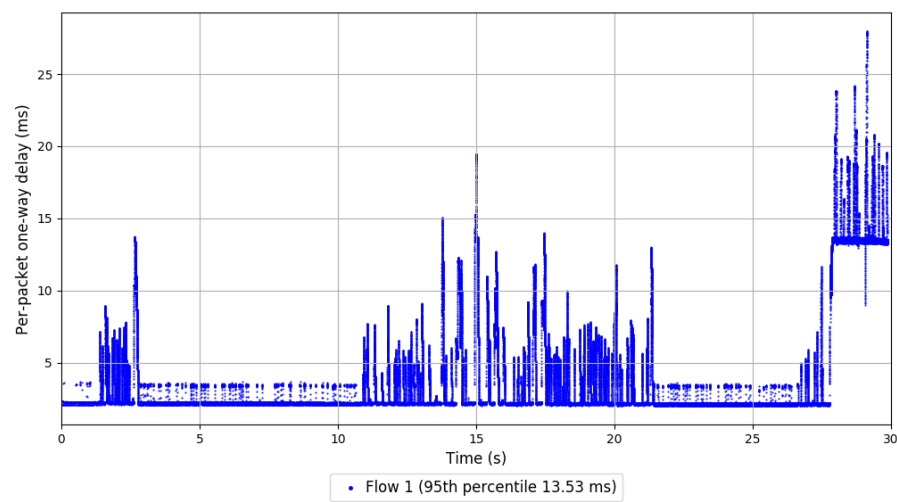
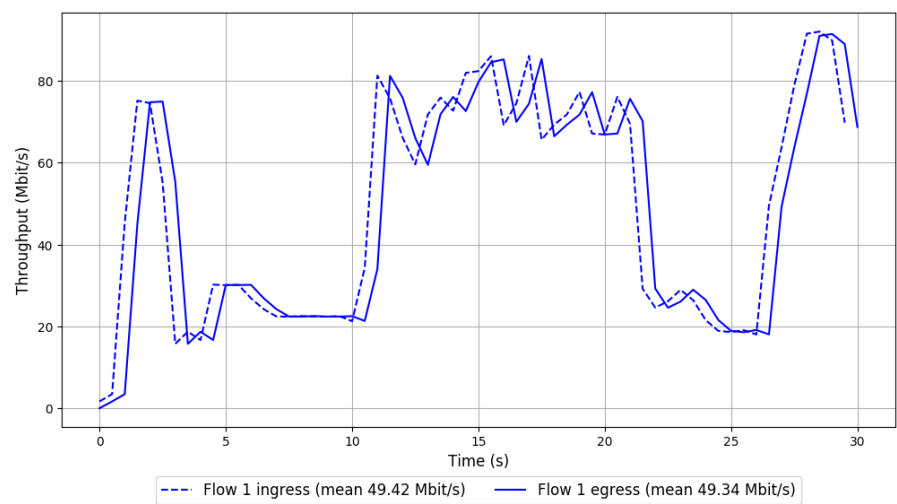


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 12:41:21  
End at: 2018-08-22 12:41:51  
Local clock offset: -3.415 ms  
Remote clock offset: -2.907 ms

# Below is generated by plot.py at 2018-08-22 14:34:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 49.34 Mbit/s  
95th percentile per-packet one-way delay: 13.529 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 49.34 Mbit/s  
95th percentile per-packet one-way delay: 13.529 ms  
Loss rate: 0.19%

Run 6: Report of PCC-Vivace — Data Link



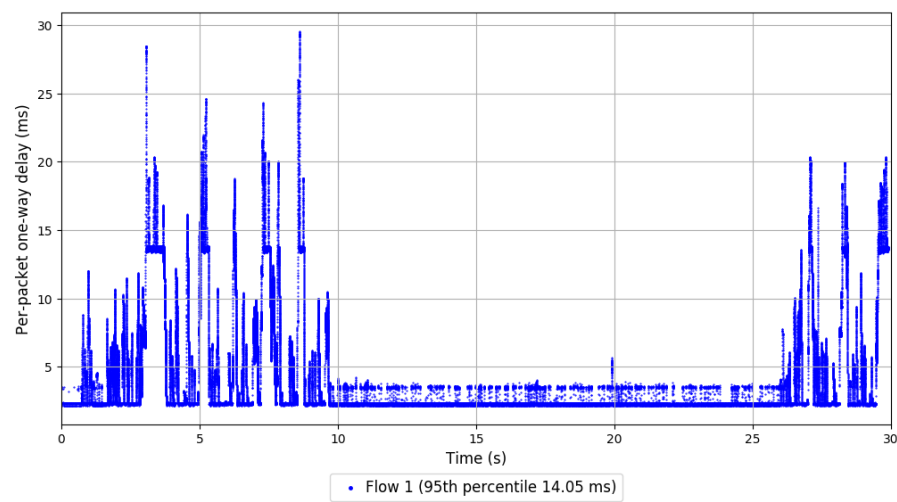
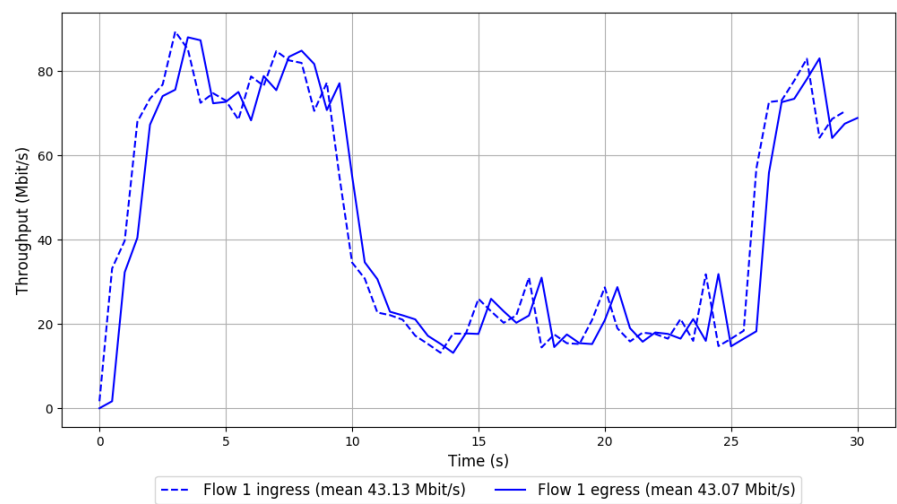
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 13:00:15  
End at: 2018-08-22 13:00:45  
Local clock offset: -2.088 ms  
Remote clock offset: -3.331 ms

# Below is generated by plot.py at 2018-08-22 14:34:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.07 Mbit/s  
95th percentile per-packet one-way delay: 14.049 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 43.07 Mbit/s  
95th percentile per-packet one-way delay: 14.049 ms  
Loss rate: 0.15%



Run 7: Report of PCC-Vivace — Data Link

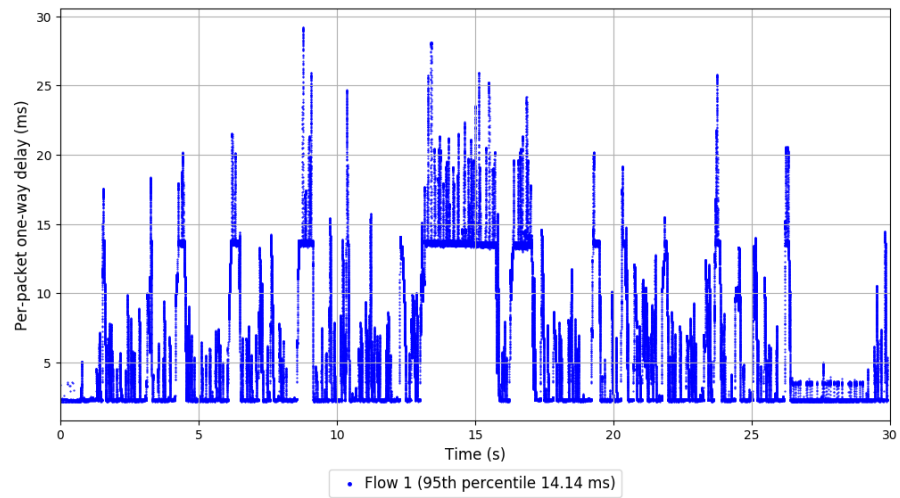
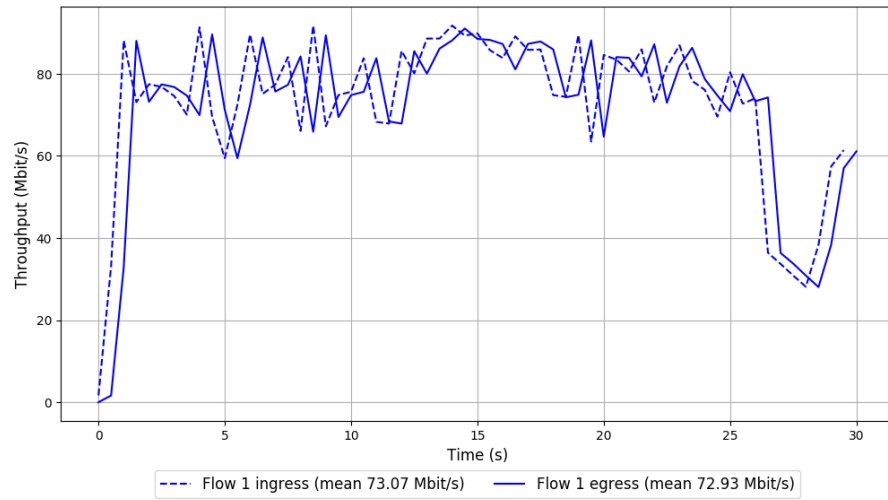


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 13:19:10  
End at: 2018-08-22 13:19:40  
Local clock offset: -2.227 ms  
Remote clock offset: -3.305 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.93 Mbit/s  
95th percentile per-packet one-way delay: 14.136 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 72.93 Mbit/s  
95th percentile per-packet one-way delay: 14.136 ms  
Loss rate: 0.20%

# Run 8: Report of PCC-Vivace — Data Link

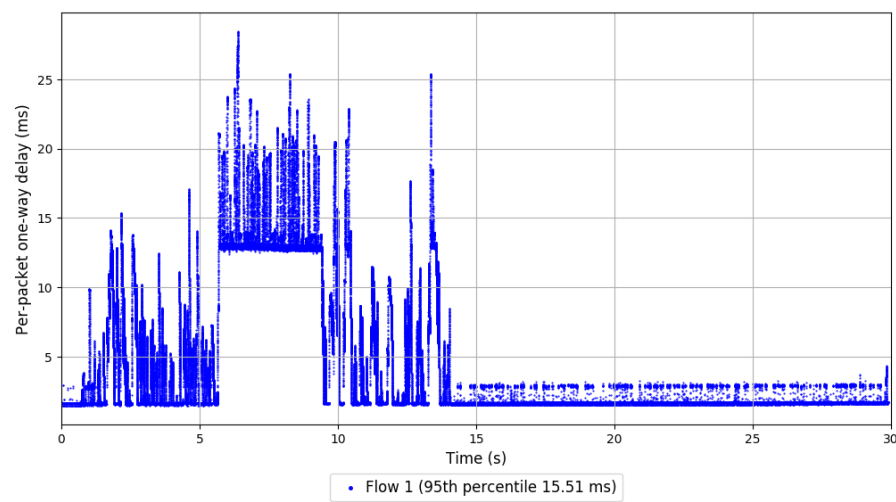
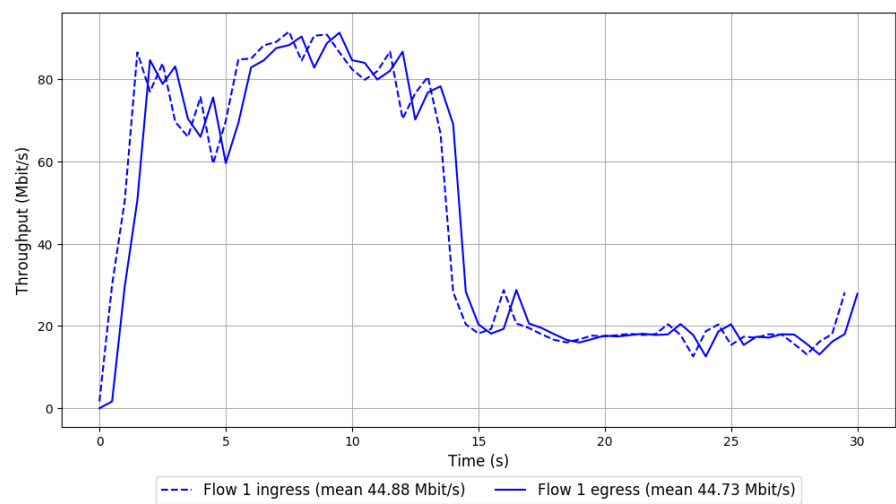


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 13:38:06  
End at: 2018-08-22 13:38:36  
Local clock offset: -3.108 ms  
Remote clock offset: -3.151 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.73 Mbit/s  
95th percentile per-packet one-way delay: 15.507 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 44.73 Mbit/s  
95th percentile per-packet one-way delay: 15.507 ms  
Loss rate: 0.35%

Run 9: Report of PCC-Vivace — Data Link

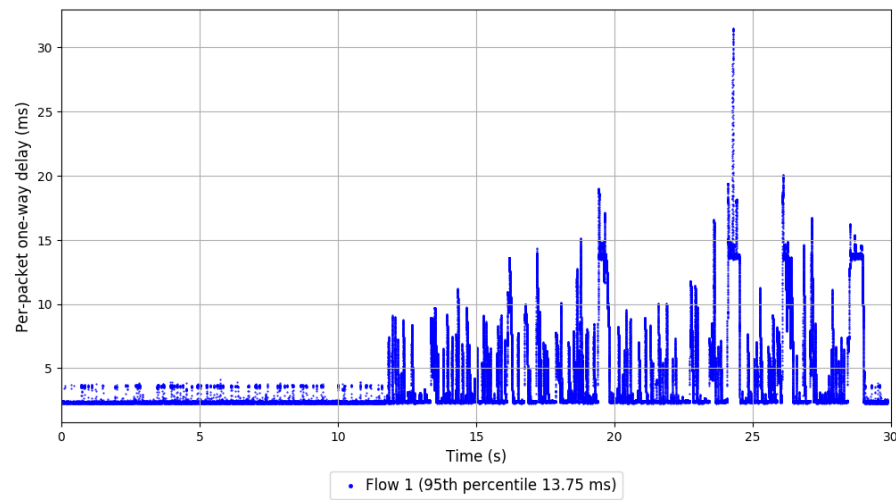
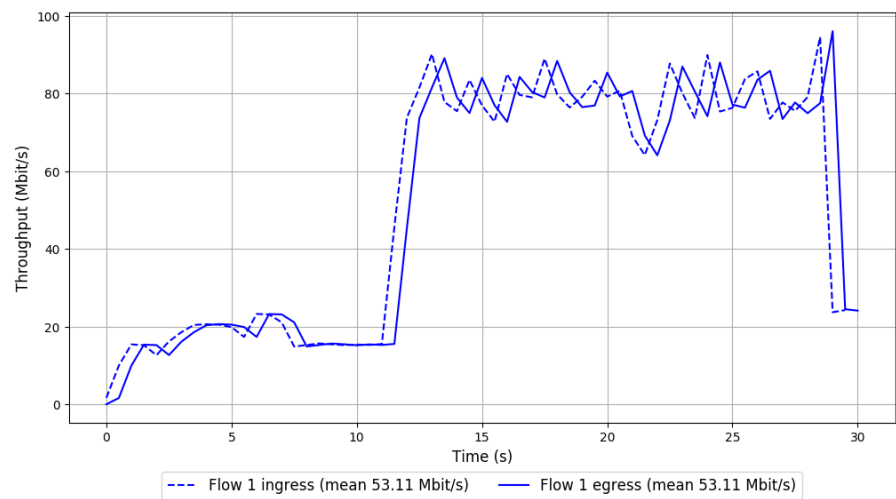


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 13:57:00  
End at: 2018-08-22 13:57:30  
Local clock offset: -3.691 ms  
Remote clock offset: -2.528 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.11 Mbit/s  
95th percentile per-packet one-way delay: 13.753 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 53.11 Mbit/s  
95th percentile per-packet one-way delay: 13.753 ms  
Loss rate: 0.02%

Run 10: Report of PCC-Vivace — Data Link



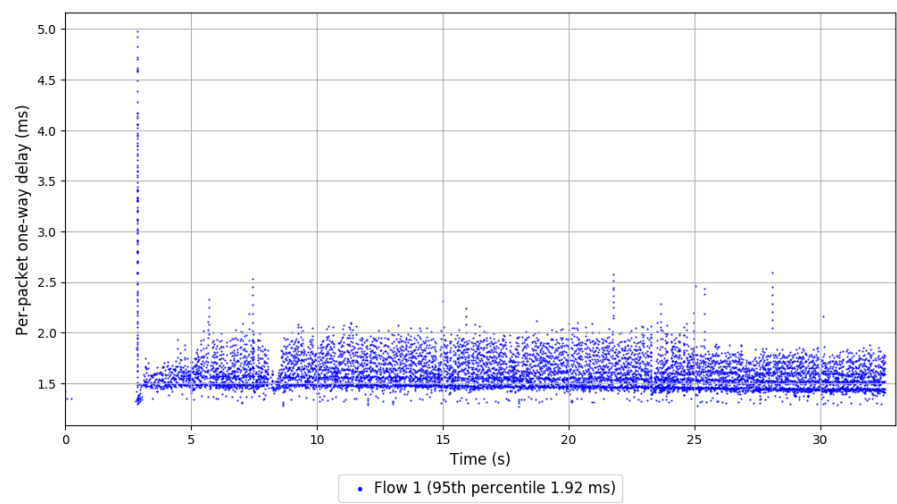
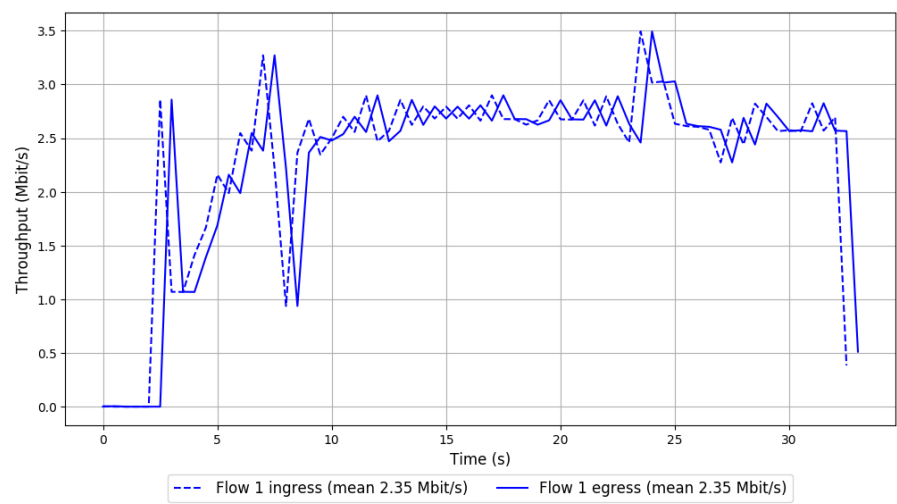
Run 1: Statistics of WebRTC media

Start at: 2018-08-22 11:13:21  
End at: 2018-08-22 11:13:51  
Local clock offset: -4.797 ms  
Remote clock offset: -2.332 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 1.922 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 1.922 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

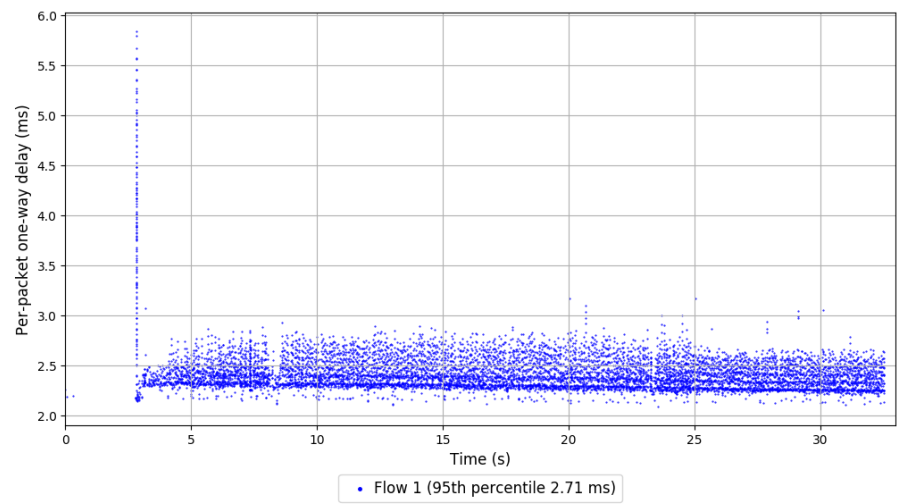
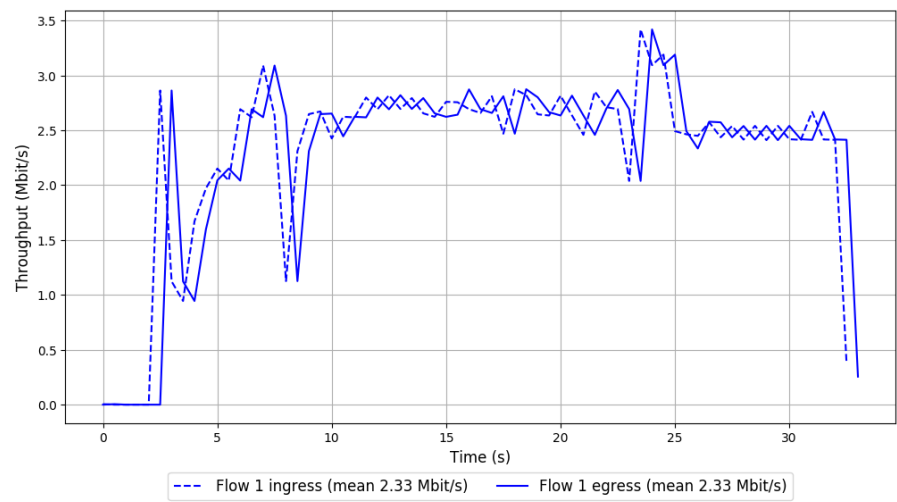


Run 2: Statistics of WebRTC media

Start at: 2018-08-22 11:32:21  
End at: 2018-08-22 11:32:51  
Local clock offset: -2.975 ms  
Remote clock offset: -5.848 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 2.711 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 2.711 ms  
Loss rate: 0.08%

Run 2: Report of WebRTC media — Data Link

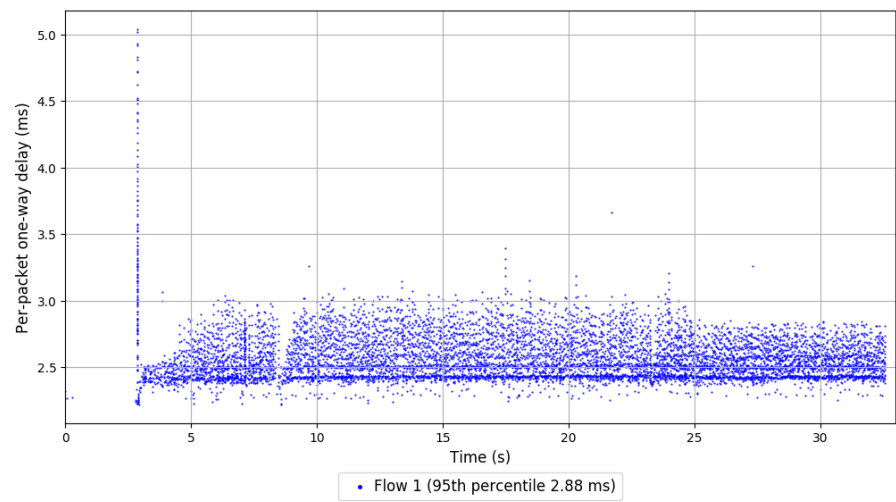
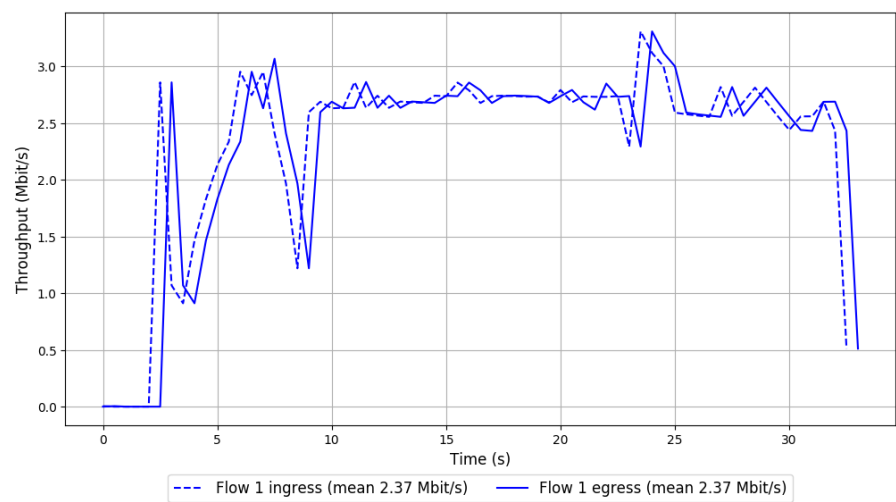


Run 3: Statistics of WebRTC media

Start at: 2018-08-22 11:51:21  
End at: 2018-08-22 11:51:51  
Local clock offset: -5.912 ms  
Remote clock offset: -7.381 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 2.880 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 2.880 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

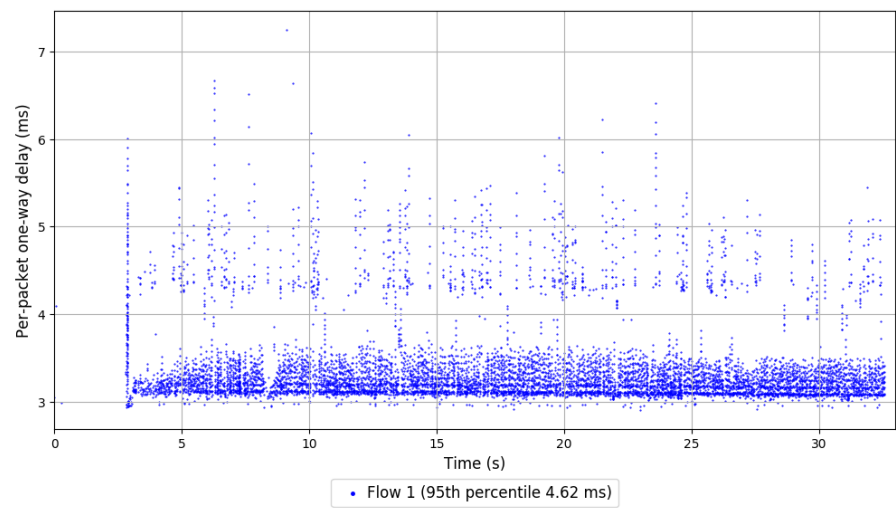
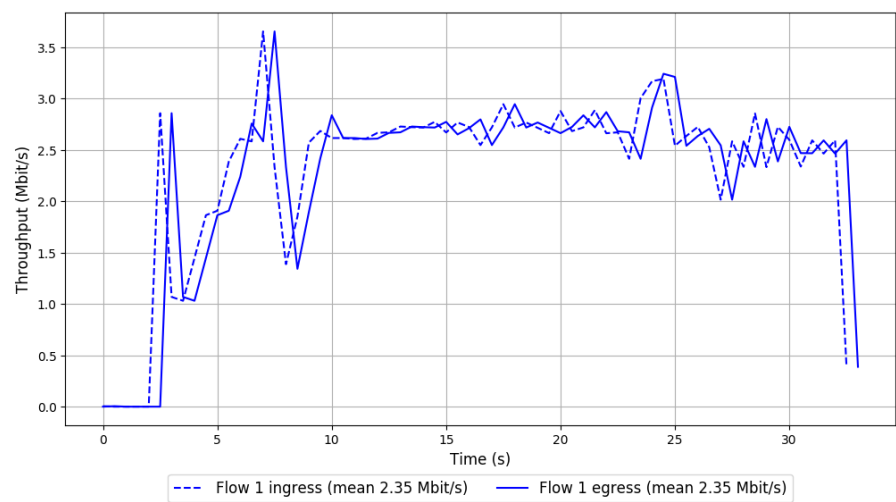


Run 4: Statistics of WebRTC media

Start at: 2018-08-22 12:10:19  
End at: 2018-08-22 12:10:49  
Local clock offset: -5.329 ms  
Remote clock offset: -2.339 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 4.624 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 4.624 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



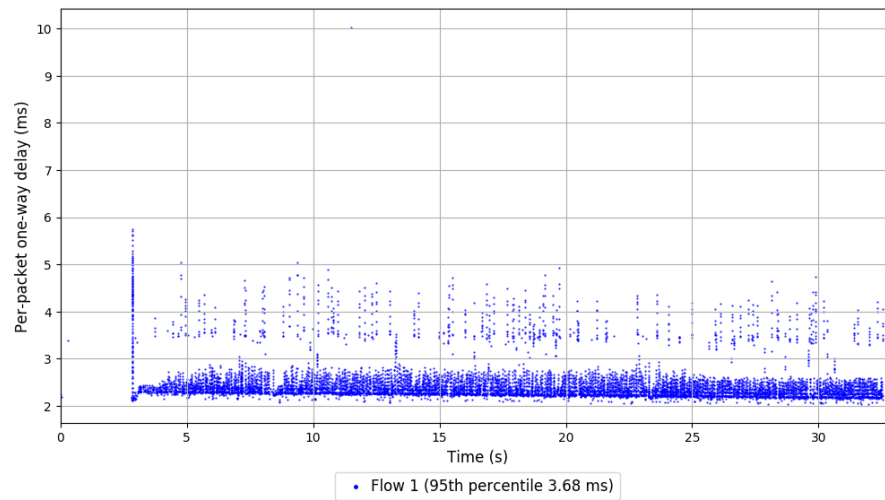
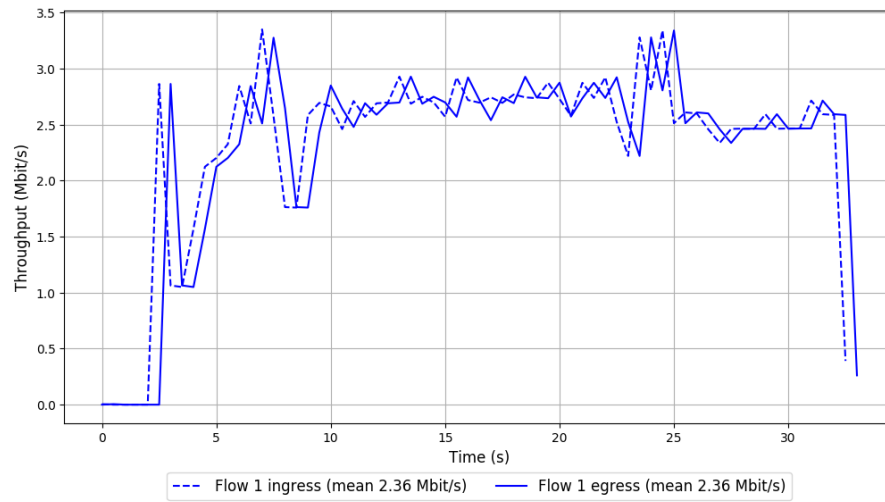
Run 5: Statistics of WebRTC media

Start at: 2018-08-22 12:29:08  
End at: 2018-08-22 12:29:39  
Local clock offset: -4.274 ms  
Remote clock offset: -1.367 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 3.681 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 3.681 ms  
Loss rate: 0.08%



### Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-22 12:48:03

End at: 2018-08-22 12:48:33

Local clock offset: -1.963 ms

Remote clock offset: -3.18 ms

# Below is generated by plot.py at 2018-08-22 14:34:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 4.480 ms

Loss rate: 0.00%

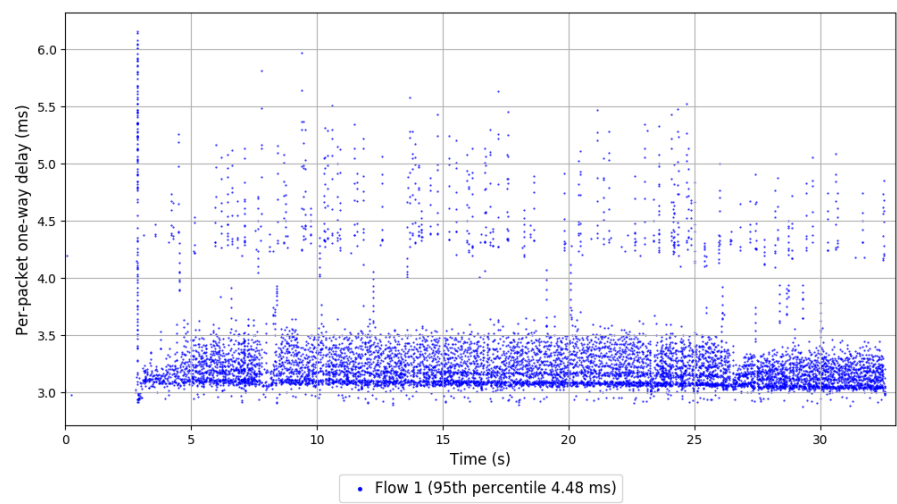
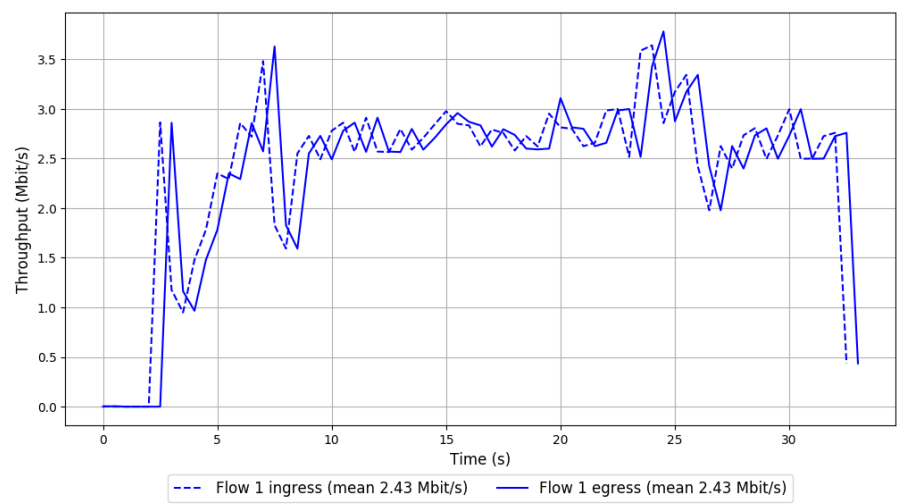
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 4.480 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

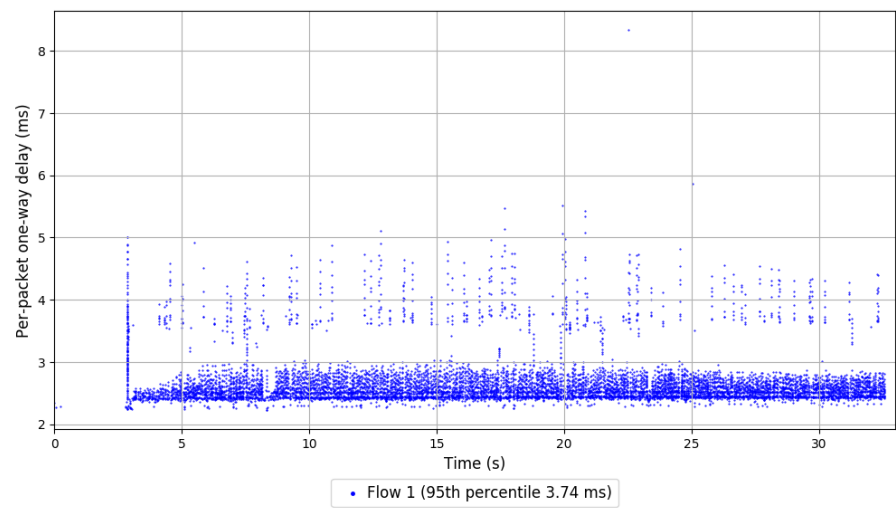
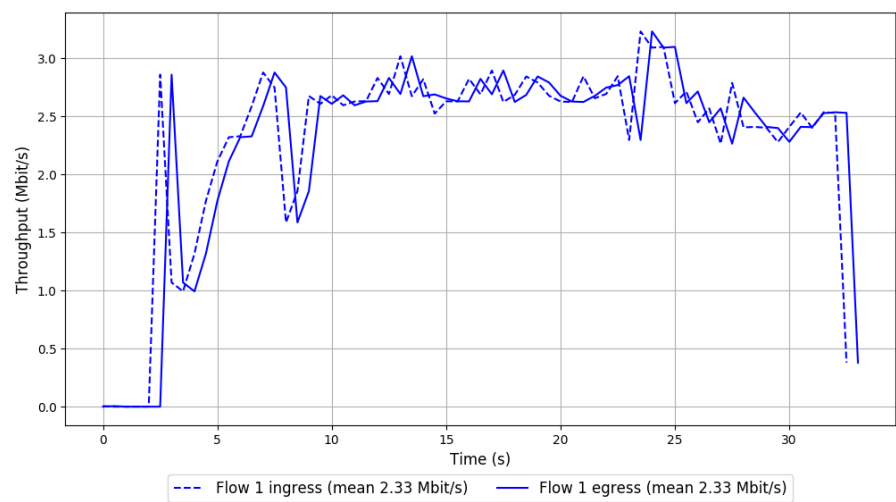


Run 7: Statistics of WebRTC media

Start at: 2018-08-22 13:06:57  
End at: 2018-08-22 13:07:27  
Local clock offset: -1.904 ms  
Remote clock offset: -3.355 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 3.740 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 3.740 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

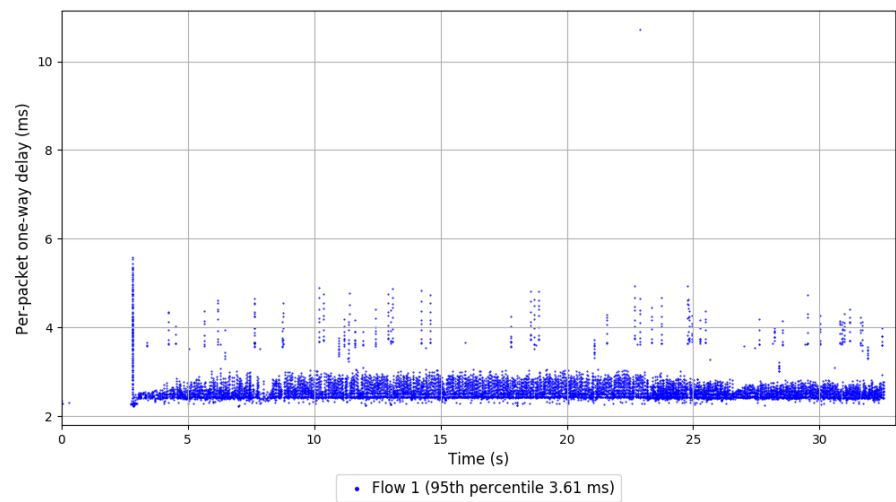
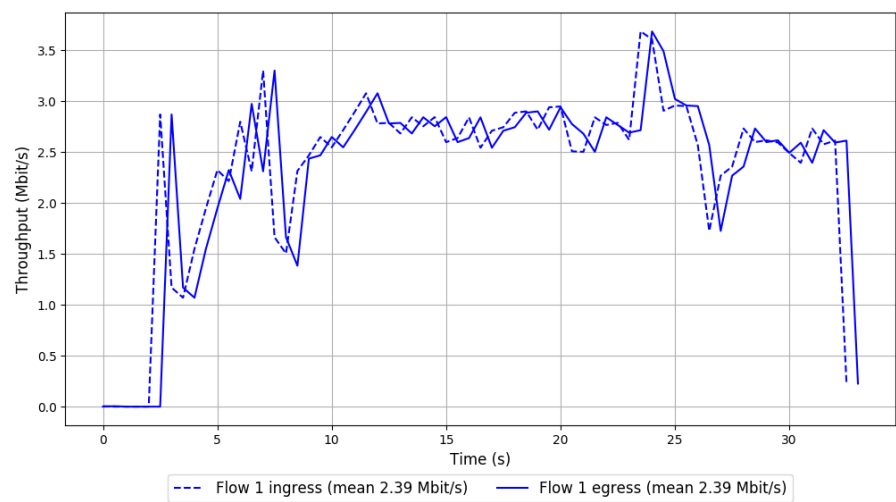


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 13:25:54  
End at: 2018-08-22 13:26:24  
Local clock offset: -2.226 ms  
Remote clock offset: -3.363 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.39 Mbit/s  
95th percentile per-packet one-way delay: 3.610 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.39 Mbit/s  
95th percentile per-packet one-way delay: 3.610 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



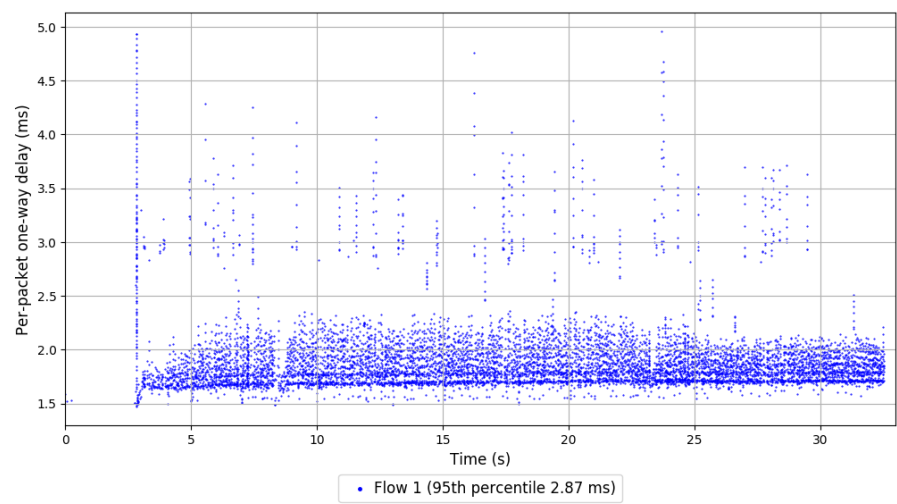
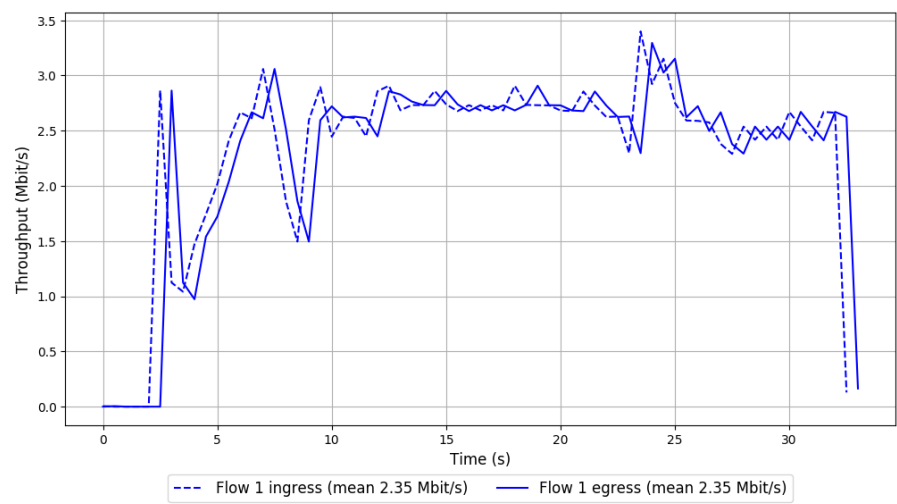
Run 9: Statistics of WebRTC media

Start at: 2018-08-22 13:44:48  
End at: 2018-08-22 13:45:18  
Local clock offset: -3.96 ms  
Remote clock offset: -2.898 ms

# Below is generated by plot.py at 2018-08-22 14:34:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 2.873 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 2.873 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 14:03:43

End at: 2018-08-22 14:04:13

Local clock offset: -4.69 ms

Remote clock offset: -2.374 ms

# Below is generated by plot.py at 2018-08-22 14:34:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 2.288 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 2.288 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

