

## Pantheon Report

Generated at 2018-07-18 15:33:56 (UTC).

Data path: GCE Iowa Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

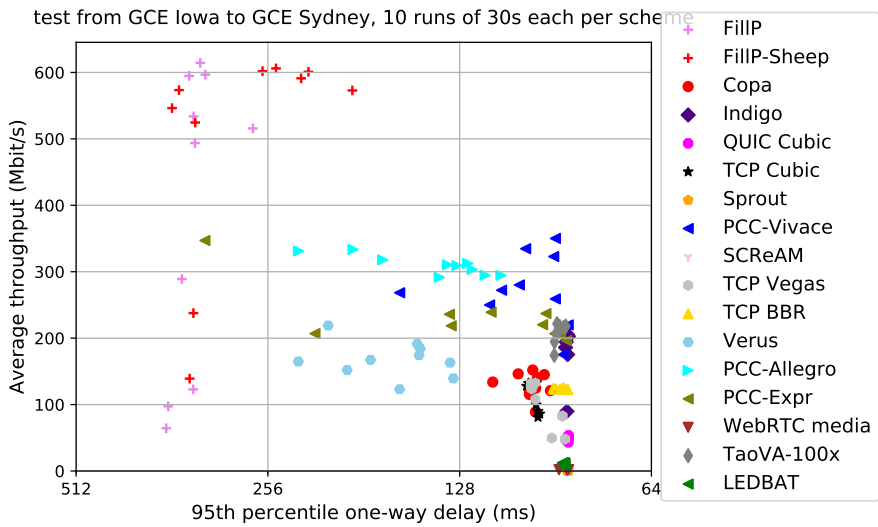
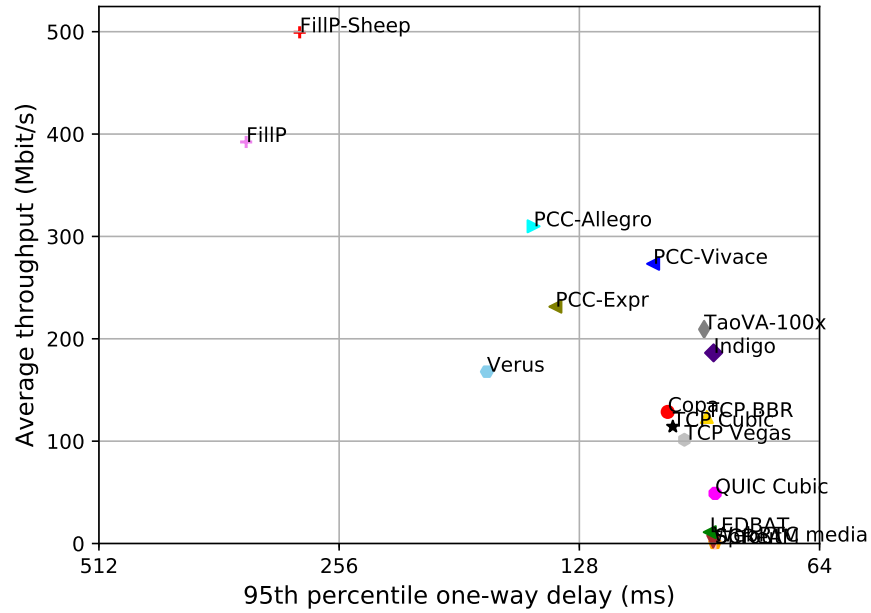
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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 GCE Iowa to GCE Sydney, 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     | 123.62                           | 88.61                               | 0.61                         |
| Copa         | 10     | 128.57                           | 99.20                               | 0.48                         |
| TCP Cubic    | 10     | 114.19                           | 97.75                               | 0.58                         |
| FillP        | 10     | 392.27                           | 334.78                              | 5.13                         |
| FillP-Sheep  | 10     | 499.41                           | 286.88                              | 4.41                         |
| Indigo       | 9      | 186.23                           | 86.90                               | 0.63                         |
| LEDBAT       | 10     | 11.10                            | 87.87                               | 1.21                         |
| PCC-Allegro  | 10     | 309.88                           | 146.07                              | 1.13                         |
| PCC-Expr     | 10     | 231.39                           | 137.17                              | 0.95                         |
| QUIC Cubic   | 9      | 48.99                            | 86.52                               | 0.94                         |
| SCReAM       | 10     | 0.22                             | 86.54                               | 0.57                         |
| Sprout       | 10     | 0.31                             | 86.57                               | 0.49                         |
| TaoVA-100x   | 10     | 209.24                           | 89.30                               | 0.57                         |
| TCP Vegas    | 10     | 101.37                           | 94.53                               | 0.46                         |
| Verus        | 10     | 167.87                           | 167.15                              | 1.56                         |
| PCC-Vivace   | 10     | 273.26                           | 103.46                              | 0.80                         |
| WebRTC media | 9      | 1.96                             | 86.98                               | 0.64                         |

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 10:43:06

End at: 2018-07-18 10:43:36

Local clock offset: 0.103 ms

Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-07-18 14:14:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 123.58 Mbit/s

95th percentile per-packet one-way delay: 91.058 ms

Loss rate: 0.61%

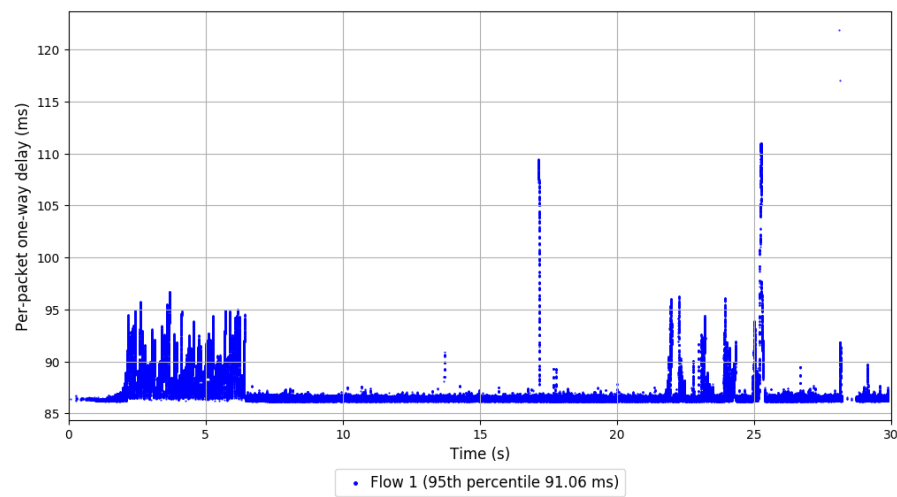
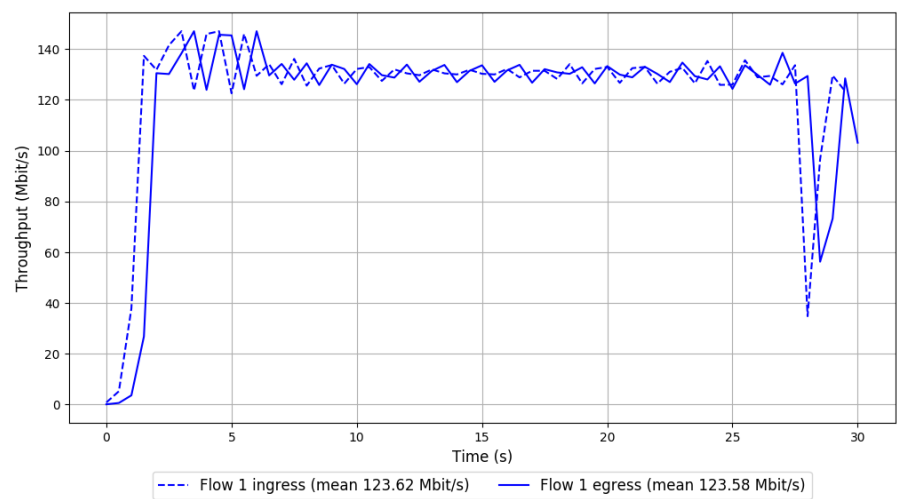
-- Flow 1:

Average throughput: 123.58 Mbit/s

95th percentile per-packet one-way delay: 91.058 ms

Loss rate: 0.61%

Run 1: Report of TCP BBR — Data Link

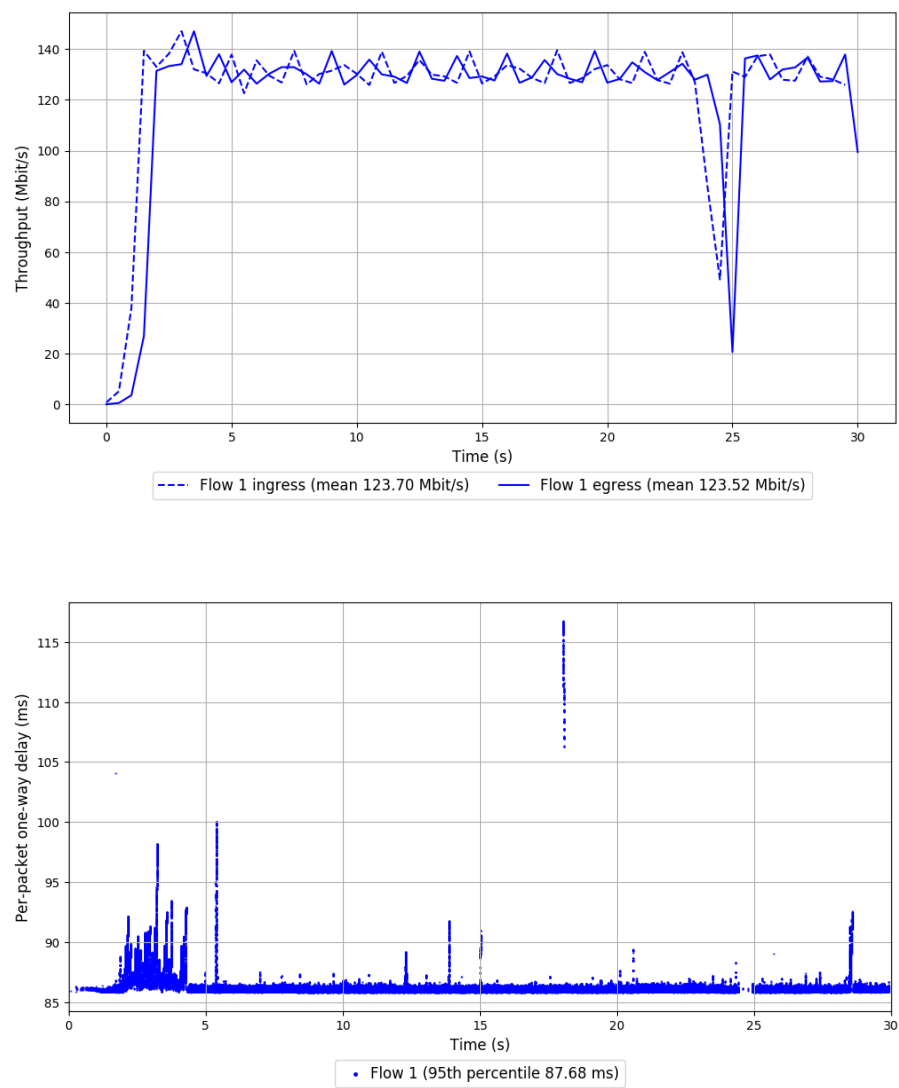


Run 2: Statistics of TCP BBR

Start at: 2018-07-18 11:05:05  
End at: 2018-07-18 11:05:35  
Local clock offset: -0.273 ms  
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-07-18 14:14:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 123.52 Mbit/s  
95th percentile per-packet one-way delay: 87.683 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 123.52 Mbit/s  
95th percentile per-packet one-way delay: 87.683 ms  
Loss rate: 0.60%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-18 11:26:54

End at: 2018-07-18 11:27:24

Local clock offset: -0.166 ms

Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-07-18 14:14:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 124.35 Mbit/s

95th percentile per-packet one-way delay: 91.279 ms

Loss rate: 0.59%

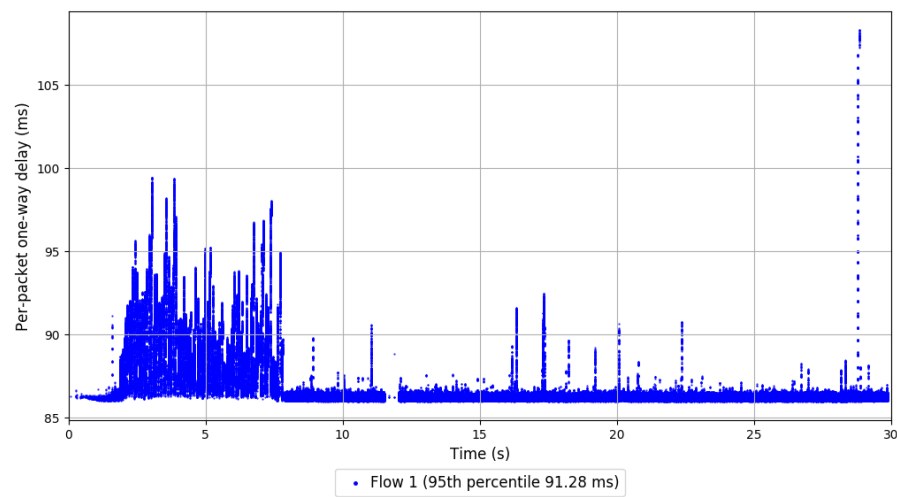
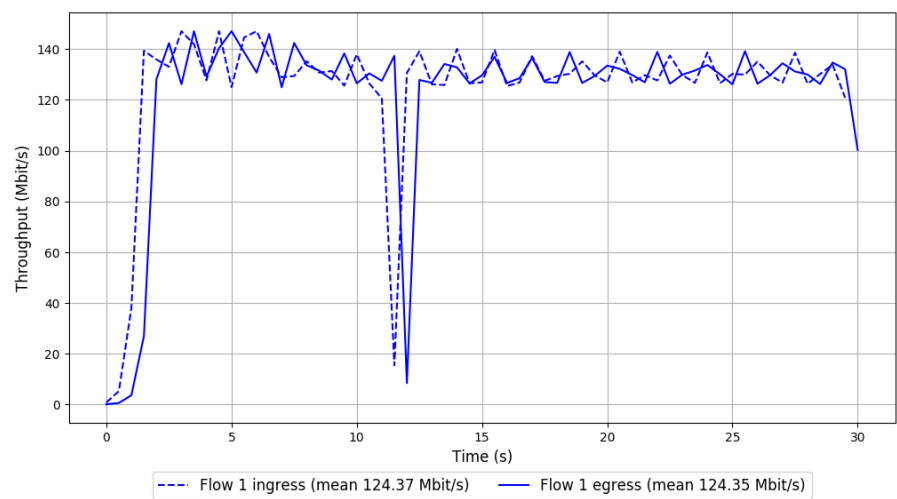
-- Flow 1:

Average throughput: 124.35 Mbit/s

95th percentile per-packet one-way delay: 91.279 ms

Loss rate: 0.59%

Run 3: Report of TCP BBR — Data Link

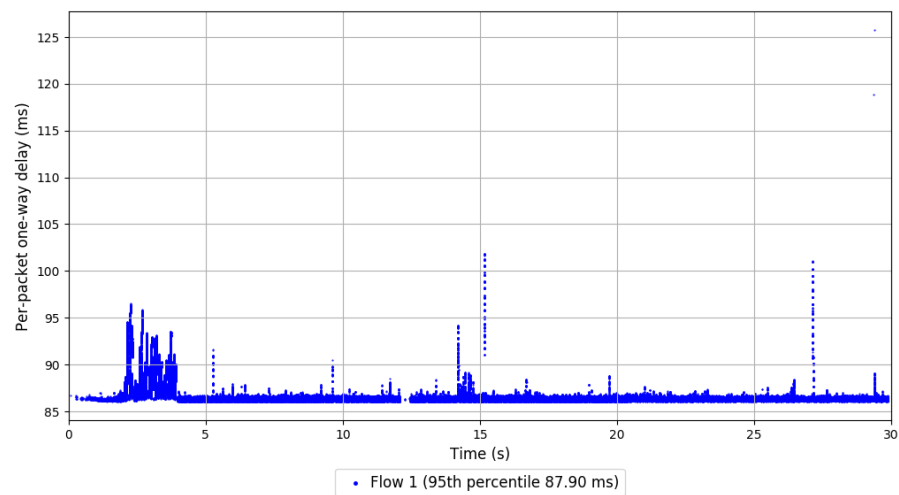
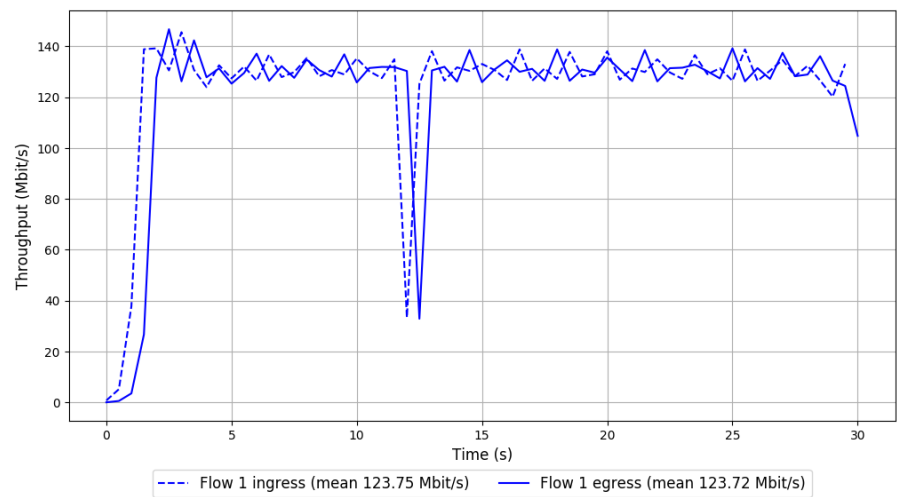


Run 4: Statistics of TCP BBR

Start at: 2018-07-18 11:48:33  
End at: 2018-07-18 11:49:03  
Local clock offset: -0.051 ms  
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-07-18 14:14:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 123.72 Mbit/s  
95th percentile per-packet one-way delay: 87.903 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 123.72 Mbit/s  
95th percentile per-packet one-way delay: 87.903 ms  
Loss rate: 0.60%

Run 4: Report of TCP BBR — Data Link

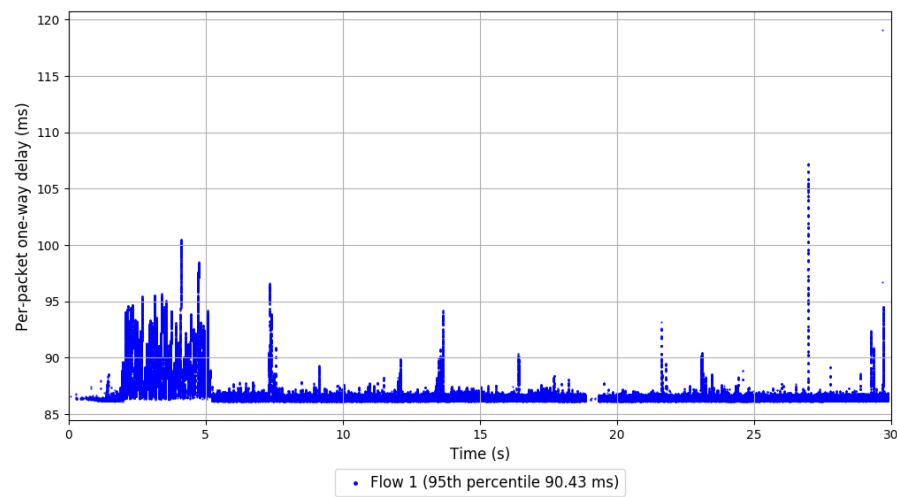
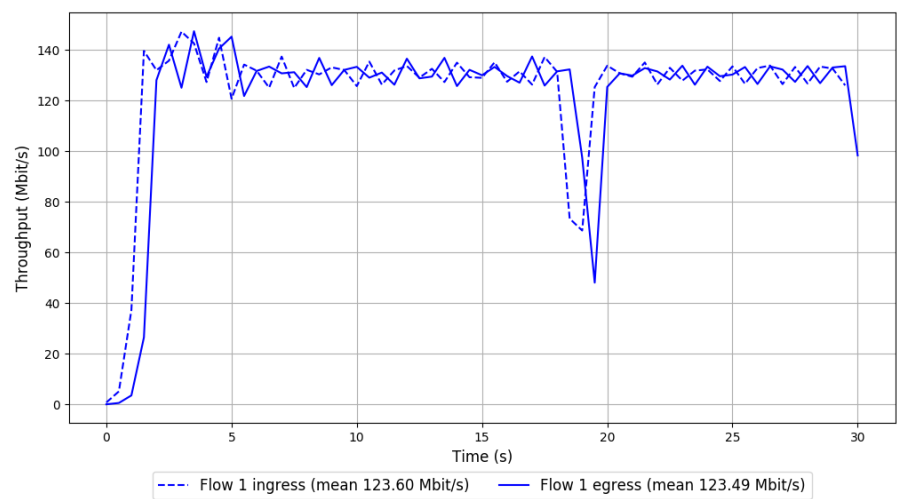


Run 5: Statistics of TCP BBR

Start at: 2018-07-18 12:10:16  
End at: 2018-07-18 12:10:46  
Local clock offset: 0.011 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-07-18 14:14:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 123.49 Mbit/s  
95th percentile per-packet one-way delay: 90.431 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 123.49 Mbit/s  
95th percentile per-packet one-way delay: 90.431 ms  
Loss rate: 0.66%

Run 5: Report of TCP BBR — Data Link

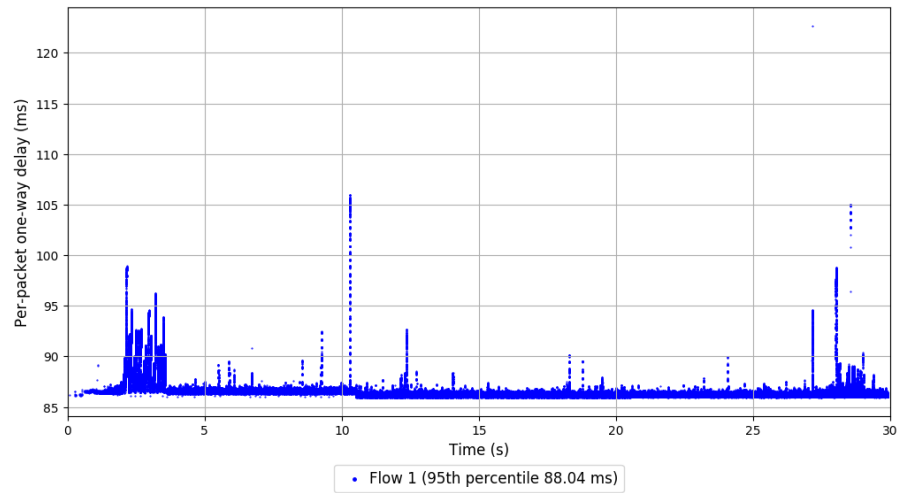
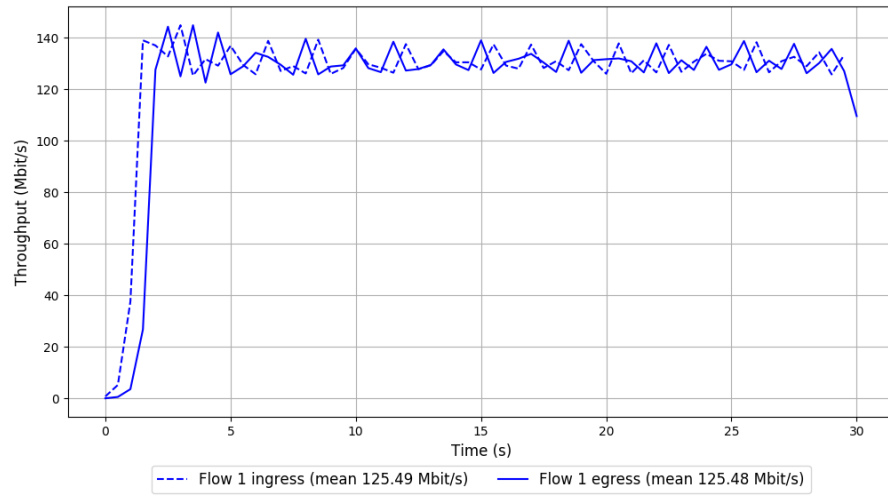


Run 6: Statistics of TCP BBR

Start at: 2018-07-18 12:32:13  
End at: 2018-07-18 12:32:43  
Local clock offset: -0.158 ms  
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-07-18 14:14:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 125.48 Mbit/s  
95th percentile per-packet one-way delay: 88.038 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 125.48 Mbit/s  
95th percentile per-packet one-way delay: 88.038 ms  
Loss rate: 0.59%

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

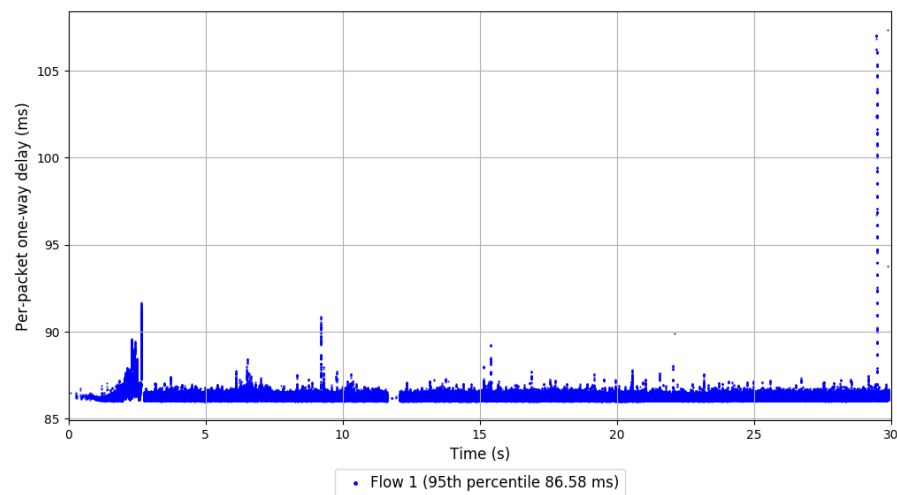
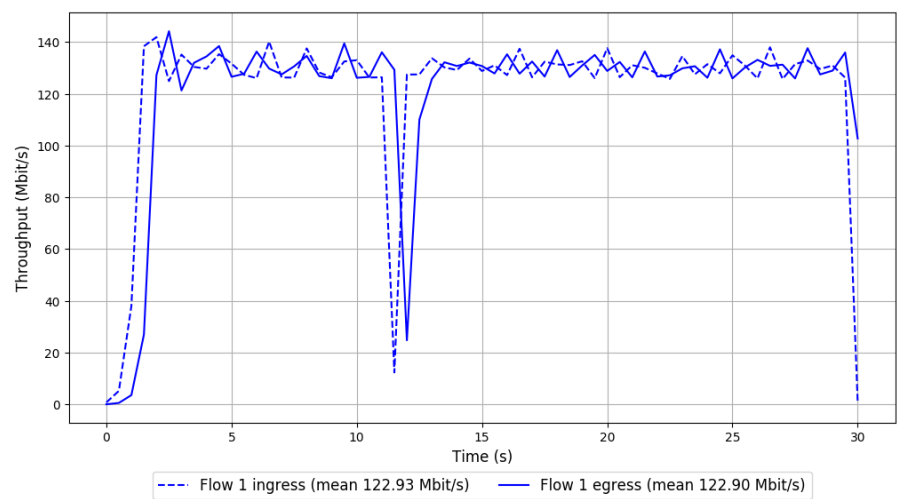


Run 7: Statistics of TCP BBR

Start at: 2018-07-18 12:54:32  
End at: 2018-07-18 12:55:02  
Local clock offset: -0.064 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-07-18 14:14:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 122.90 Mbit/s  
95th percentile per-packet one-way delay: 86.576 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 122.90 Mbit/s  
95th percentile per-packet one-way delay: 86.576 ms  
Loss rate: 0.60%

Run 7: Report of TCP BBR — Data Link

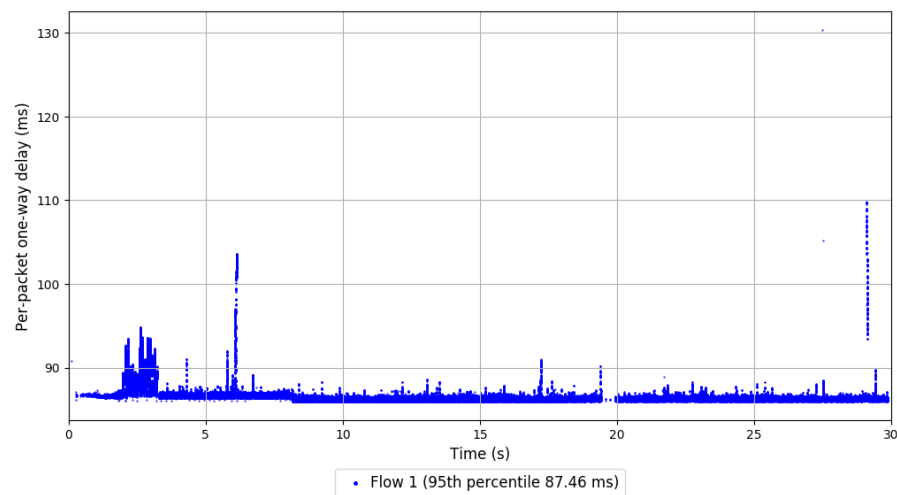
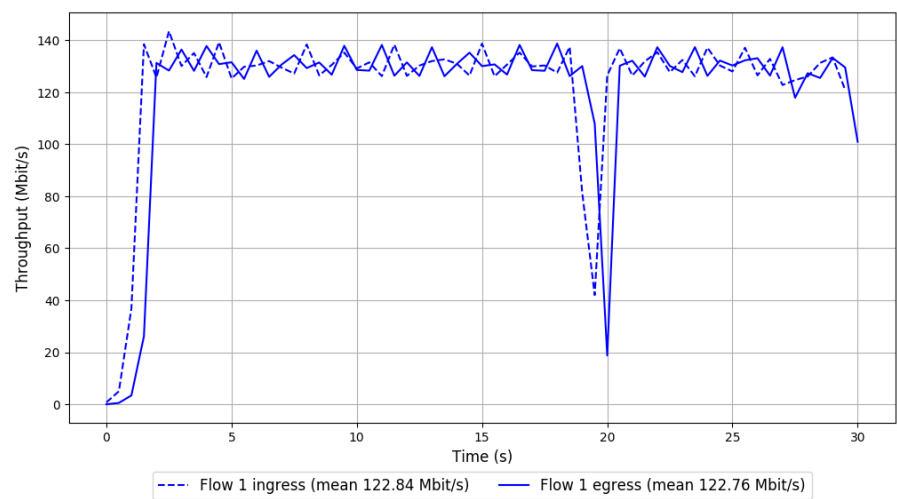


Run 8: Statistics of TCP BBR

Start at: 2018-07-18 13:16:25  
End at: 2018-07-18 13:16:55  
Local clock offset: -0.077 ms  
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-07-18 14:14:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 122.76 Mbit/s  
95th percentile per-packet one-way delay: 87.464 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 122.76 Mbit/s  
95th percentile per-packet one-way delay: 87.464 ms  
Loss rate: 0.61%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-18 13:38:07

End at: 2018-07-18 13:38:37

Local clock offset: -0.216 ms

Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-07-18 14:16:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 123.78 Mbit/s

95th percentile per-packet one-way delay: 88.979 ms

Loss rate: 0.60%

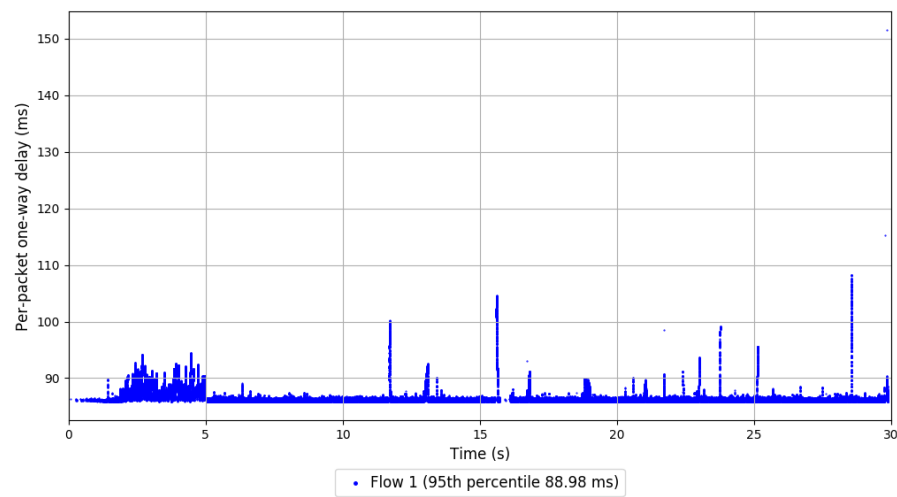
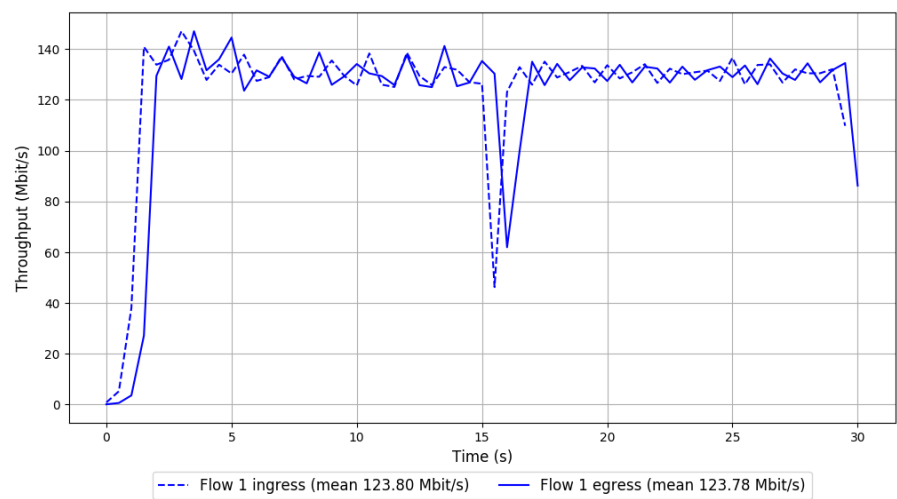
-- Flow 1:

Average throughput: 123.78 Mbit/s

95th percentile per-packet one-way delay: 88.979 ms

Loss rate: 0.60%

Run 9: Report of TCP BBR — Data Link

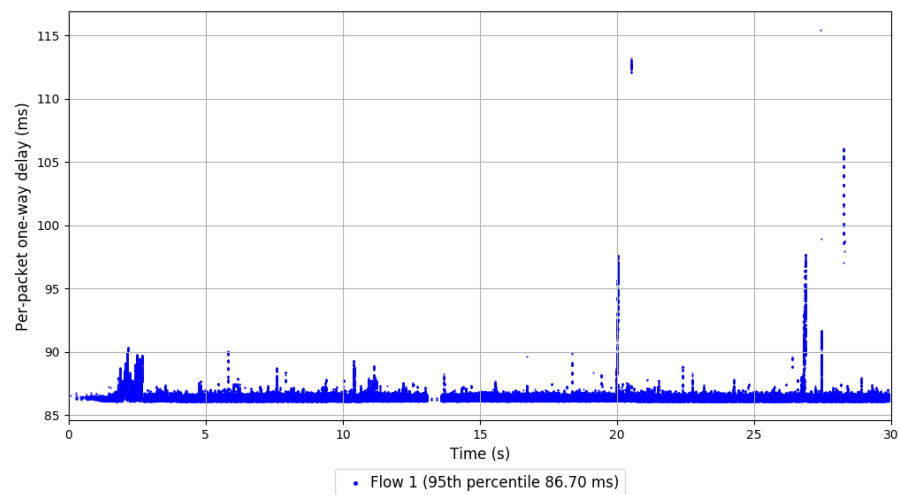
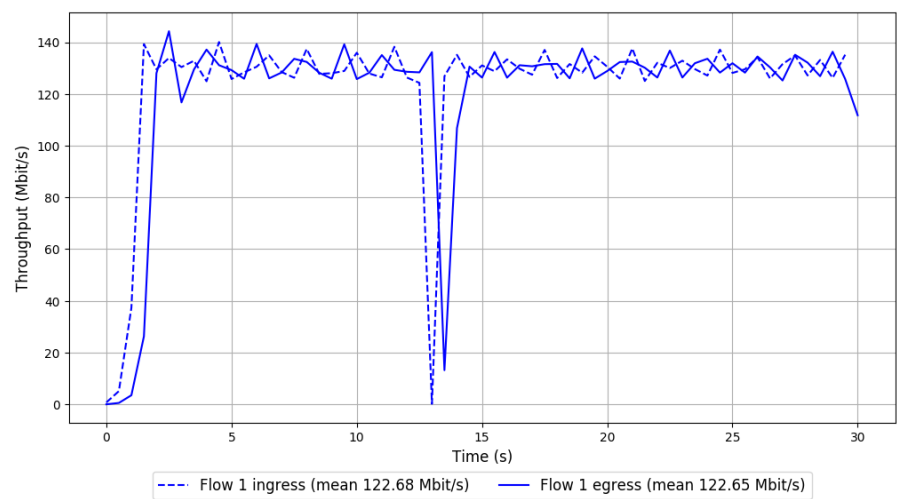


Run 10: Statistics of TCP BBR

Start at: 2018-07-18 14:00:03  
End at: 2018-07-18 14:00:33  
Local clock offset: -0.093 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-07-18 14:16:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 122.65 Mbit/s  
95th percentile per-packet one-way delay: 86.699 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 122.65 Mbit/s  
95th percentile per-packet one-way delay: 86.699 ms  
Loss rate: 0.60%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-18 10:41:47

End at: 2018-07-18 10:42:17

Local clock offset: -0.119 ms

Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-07-18 14:18:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 124.86 Mbit/s

95th percentile per-packet one-way delay: 97.229 ms

Loss rate: 0.59%

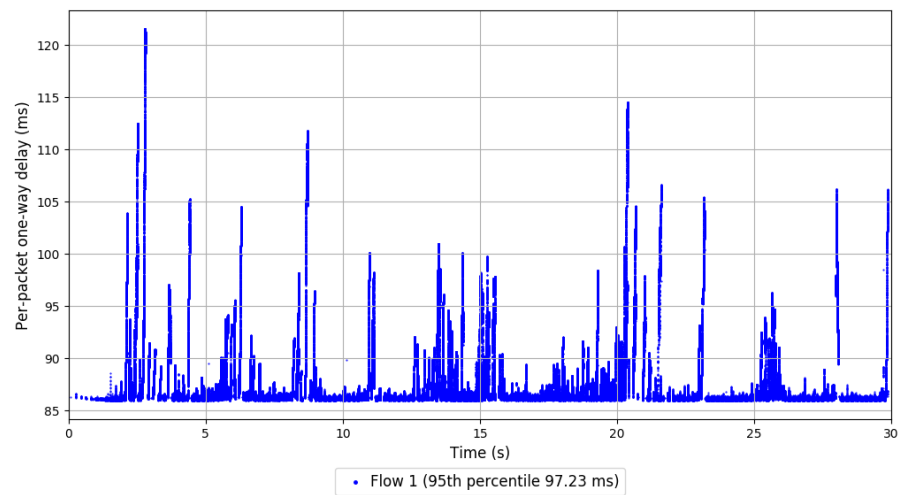
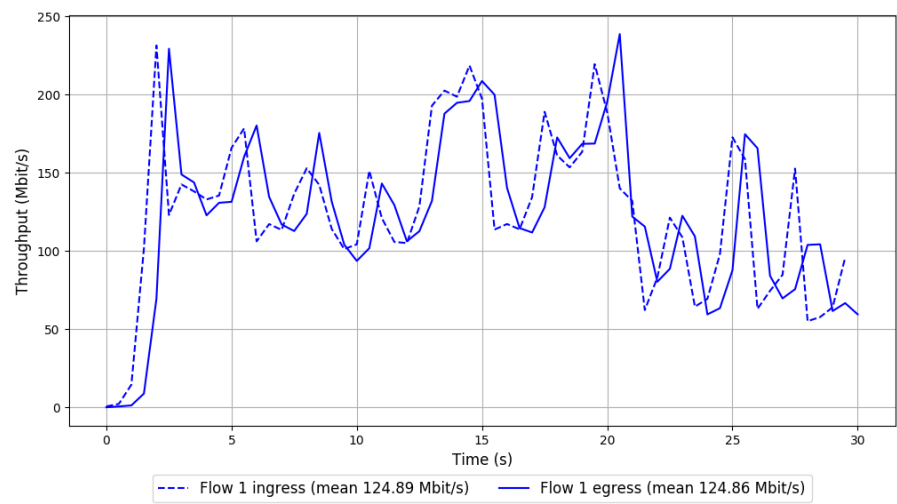
-- Flow 1:

Average throughput: 124.86 Mbit/s

95th percentile per-packet one-way delay: 97.229 ms

Loss rate: 0.59%

Run 1: Report of Copa — Data Link

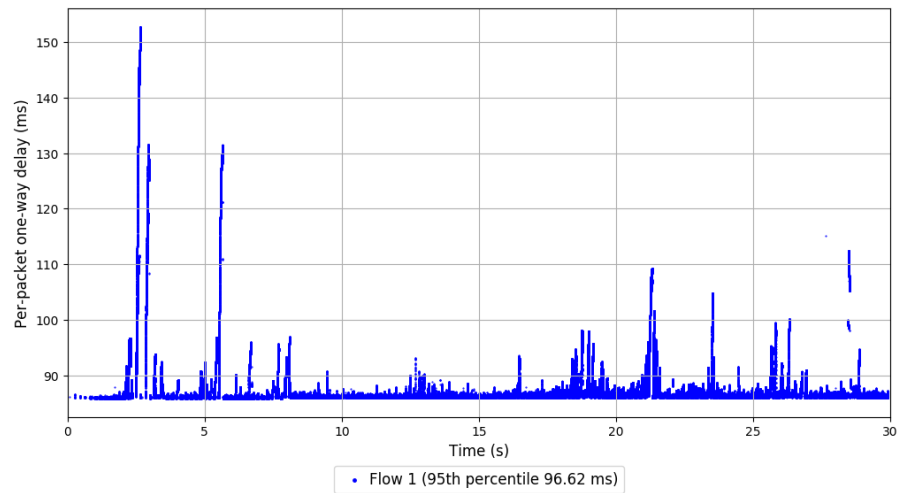
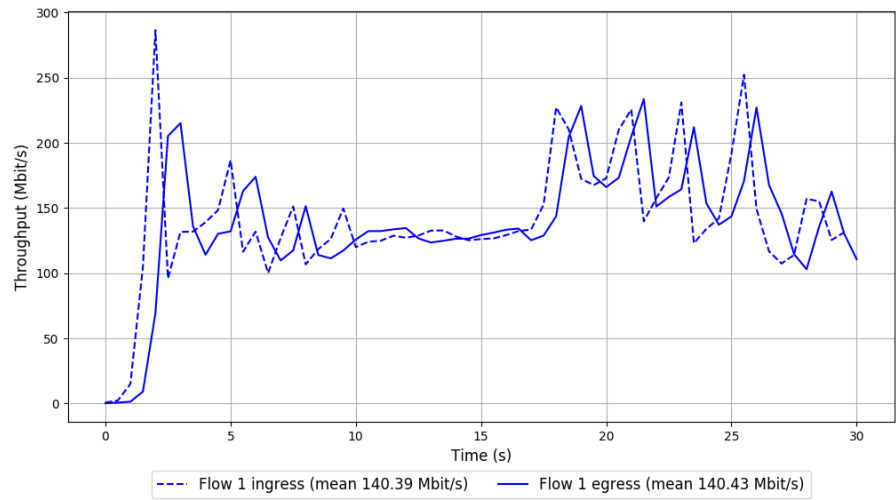


Run 2: Statistics of Copa

Start at: 2018-07-18 11:03:45  
End at: 2018-07-18 11:04:15  
Local clock offset: -0.096 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-07-18 14:18:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 140.43 Mbit/s  
95th percentile per-packet one-way delay: 96.624 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 140.43 Mbit/s  
95th percentile per-packet one-way delay: 96.624 ms  
Loss rate: 0.55%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-18 11:25:35

End at: 2018-07-18 11:26:05

Local clock offset: -0.354 ms

Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-07-18 14:18:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 133.91 Mbit/s

95th percentile per-packet one-way delay: 113.566 ms

Loss rate: 0.44%

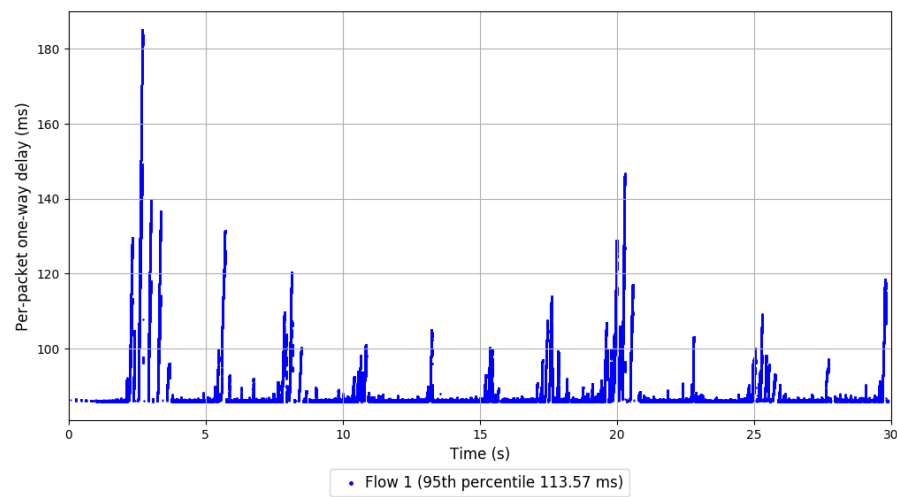
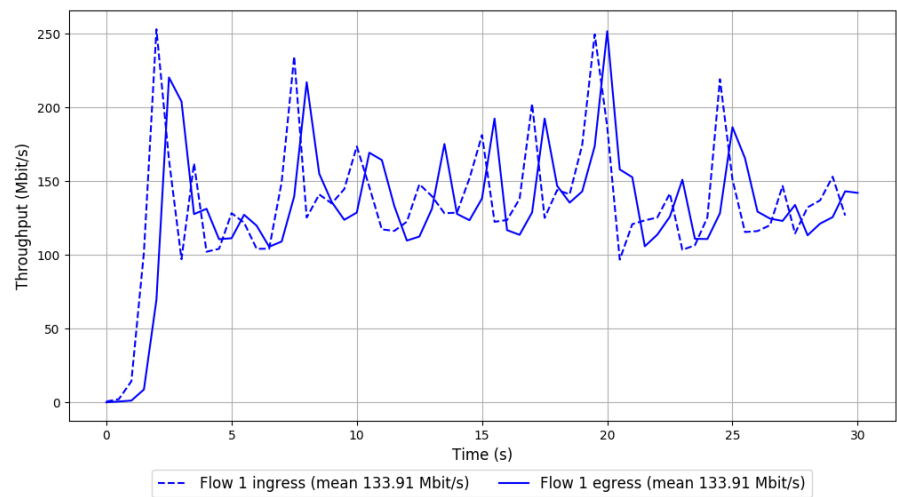
-- Flow 1:

Average throughput: 133.91 Mbit/s

95th percentile per-packet one-way delay: 113.566 ms

Loss rate: 0.44%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-18 11:47:18

End at: 2018-07-18 11:47:48

Local clock offset: -0.066 ms

Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-07-18 14:18:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.83 Mbit/s

95th percentile per-packet one-way delay: 97.318 ms

Loss rate: 0.76%

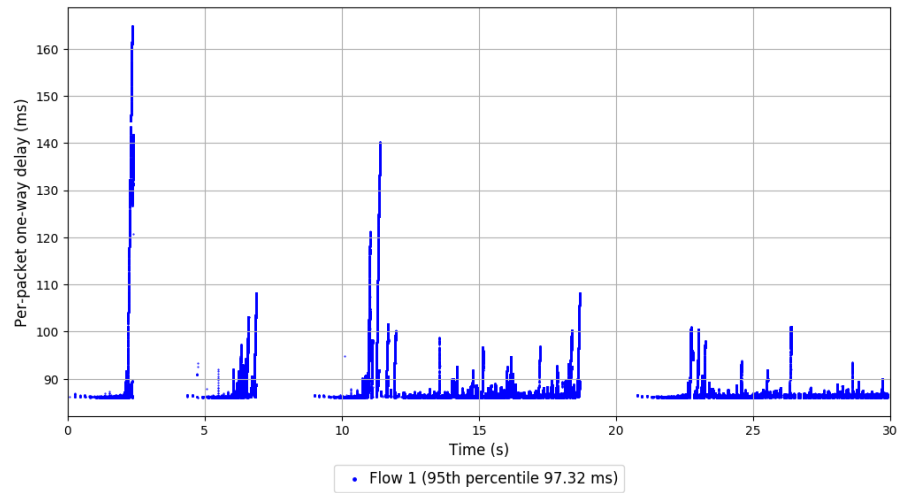
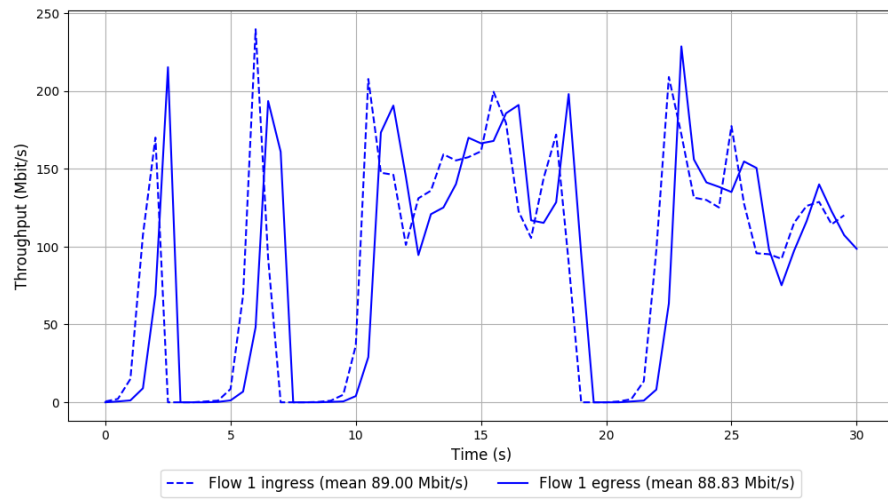
-- Flow 1:

Average throughput: 88.83 Mbit/s

95th percentile per-packet one-way delay: 97.318 ms

Loss rate: 0.76%

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

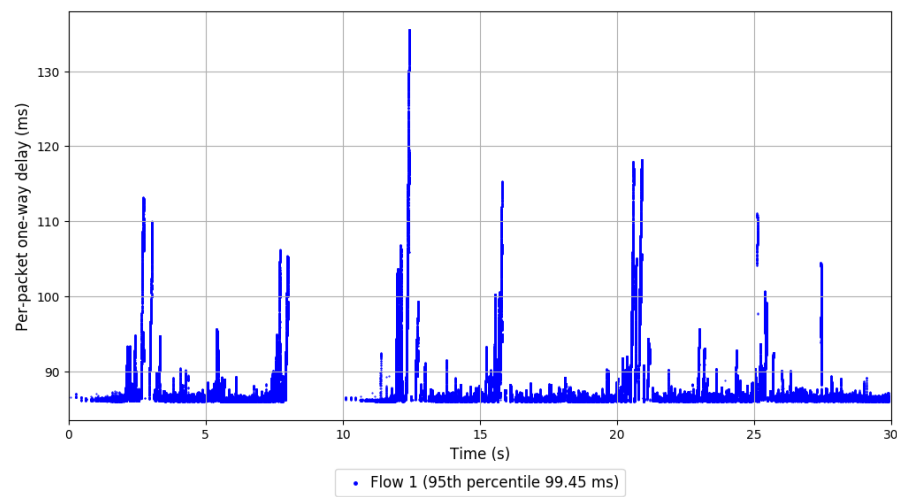
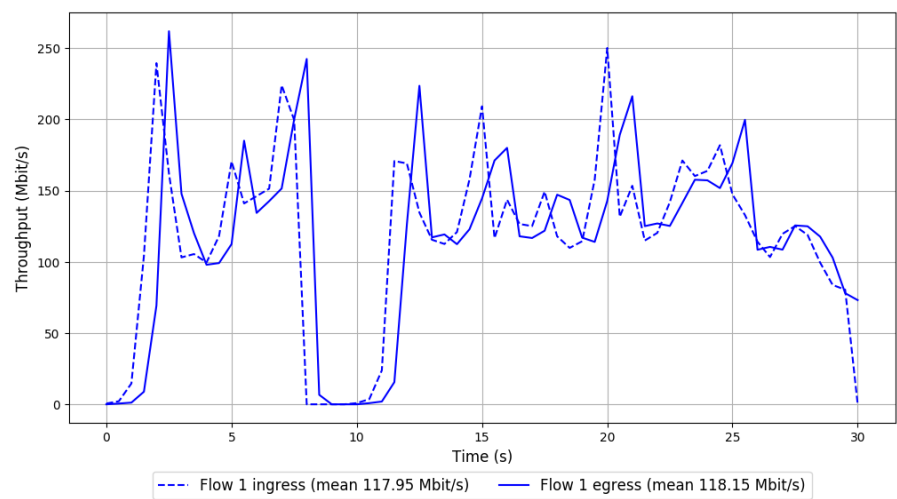


Run 5: Statistics of Copa

Start at: 2018-07-18 12:08:58  
End at: 2018-07-18 12:09:28  
Local clock offset: -0.106 ms  
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-07-18 14:18:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 118.15 Mbit/s  
95th percentile per-packet one-way delay: 99.450 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 118.15 Mbit/s  
95th percentile per-packet one-way delay: 99.450 ms  
Loss rate: 0.40%

Run 5: Report of Copa — Data Link

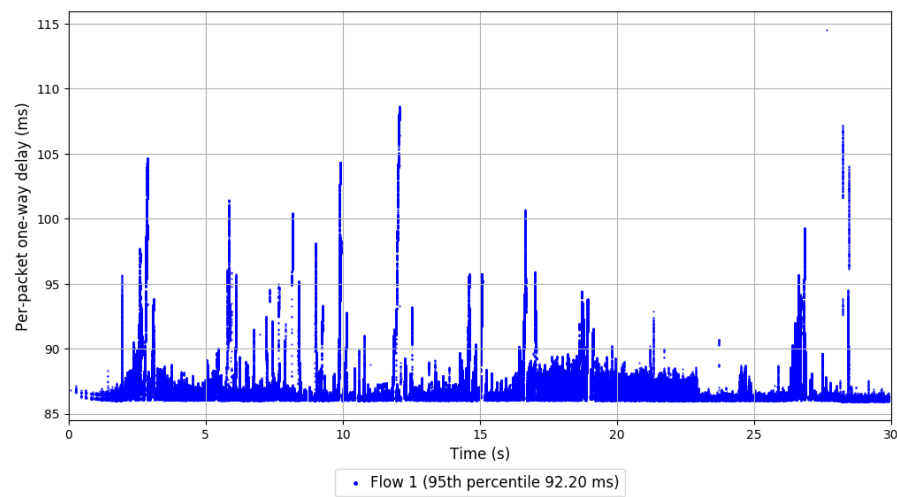
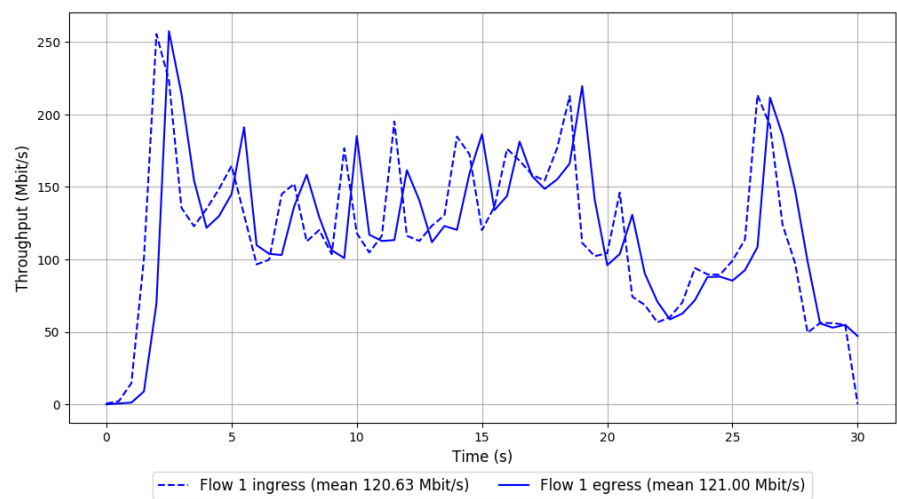


Run 6: Statistics of Copa

Start at: 2018-07-18 12:30:55  
End at: 2018-07-18 12:31:25  
Local clock offset: -0.039 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-07-18 14:18:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 121.00 Mbit/s  
95th percentile per-packet one-way delay: 92.203 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 121.00 Mbit/s  
95th percentile per-packet one-way delay: 92.203 ms  
Loss rate: 0.27%

Run 6: Report of Copa — Data Link

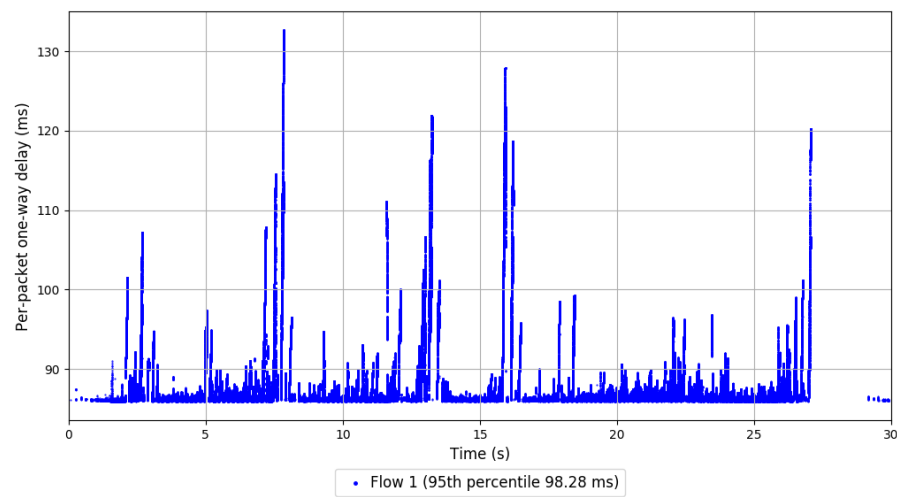
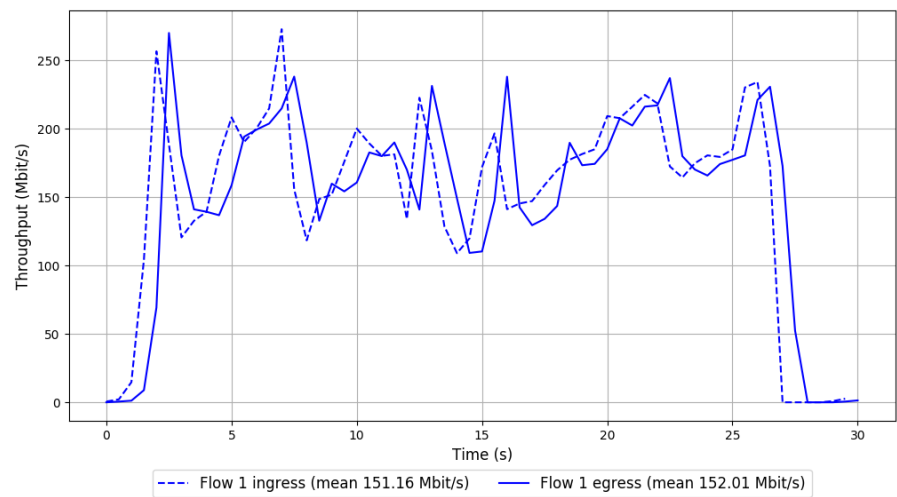


Run 7: Statistics of Copa

Start at: 2018-07-18 12:53:11  
End at: 2018-07-18 12:53:41  
Local clock offset: -0.037 ms  
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-07-18 14:21:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 152.01 Mbit/s  
95th percentile per-packet one-way delay: 98.280 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 152.01 Mbit/s  
95th percentile per-packet one-way delay: 98.280 ms  
Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-18 13:15:07

End at: 2018-07-18 13:15:37

Local clock offset: -0.017 ms

Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-07-18 14:21:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 115.19 Mbit/s

95th percentile per-packet one-way delay: 99.441 ms

Loss rate: 0.74%

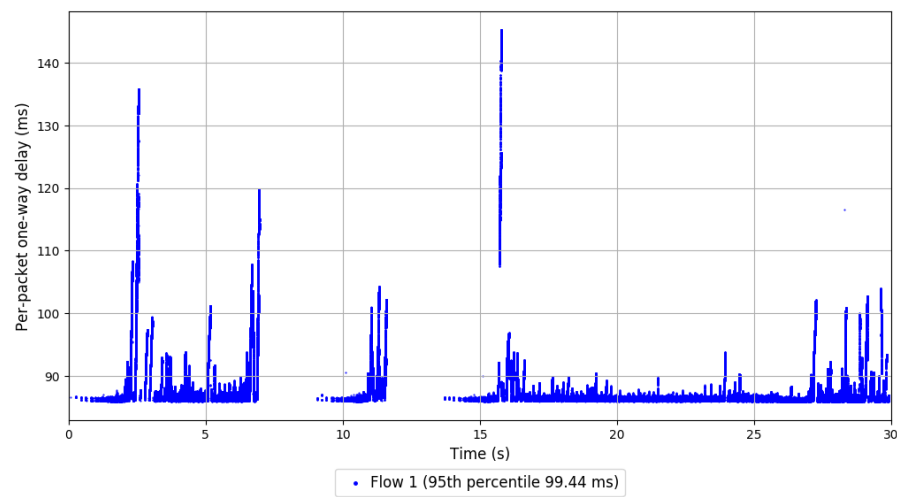
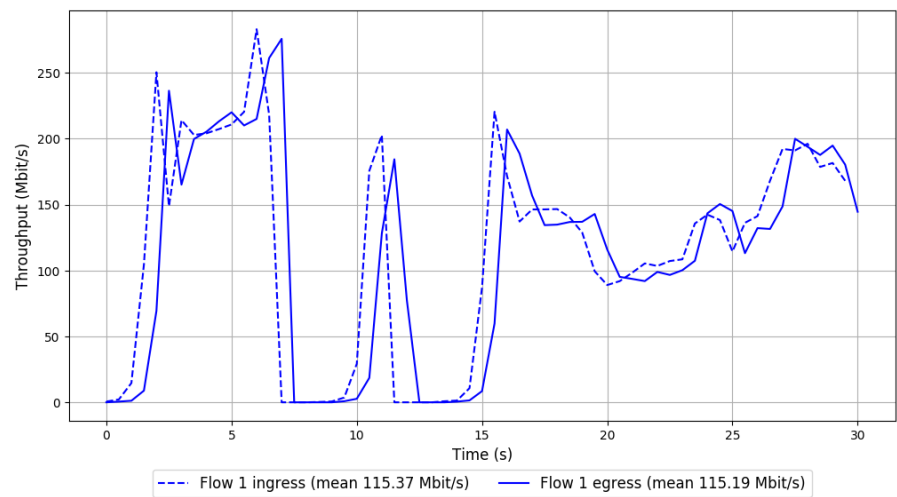
-- Flow 1:

Average throughput: 115.19 Mbit/s

95th percentile per-packet one-way delay: 99.441 ms

Loss rate: 0.74%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-18 13:36:47

End at: 2018-07-18 13:37:17

Local clock offset: -0.079 ms

Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-07-18 14:22:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 145.08 Mbit/s

95th percentile per-packet one-way delay: 94.262 ms

Loss rate: 0.43%

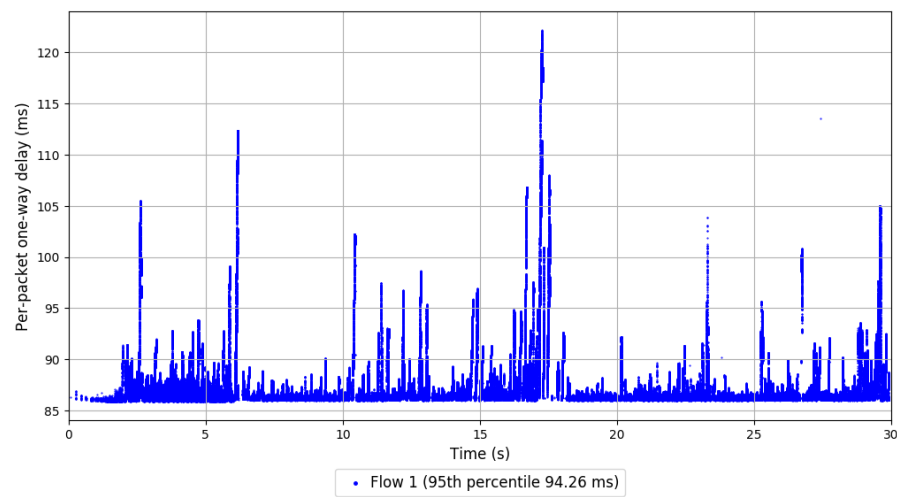
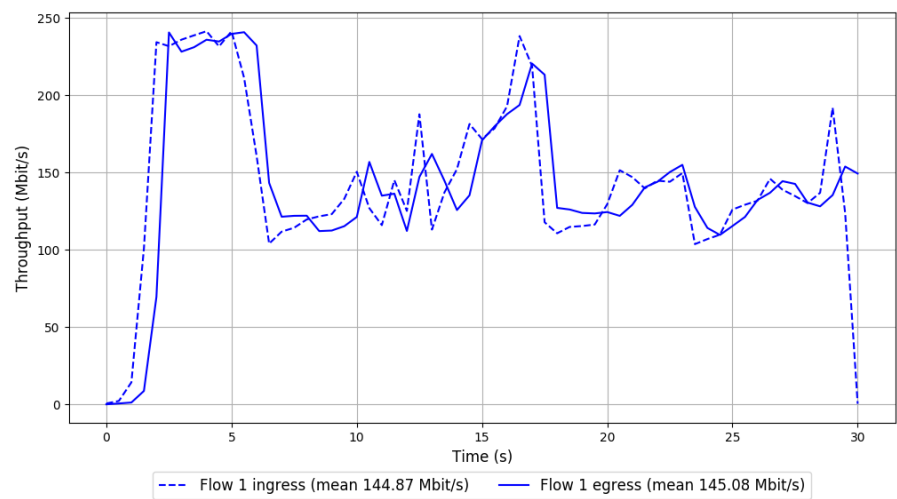
-- Flow 1:

Average throughput: 145.08 Mbit/s

95th percentile per-packet one-way delay: 94.262 ms

Loss rate: 0.43%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-18 13:58:42

End at: 2018-07-18 13:59:12

Local clock offset: -0.214 ms

Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-07-18 14:23:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 146.23 Mbit/s

95th percentile per-packet one-way delay: 103.593 ms

Loss rate: 0.61%

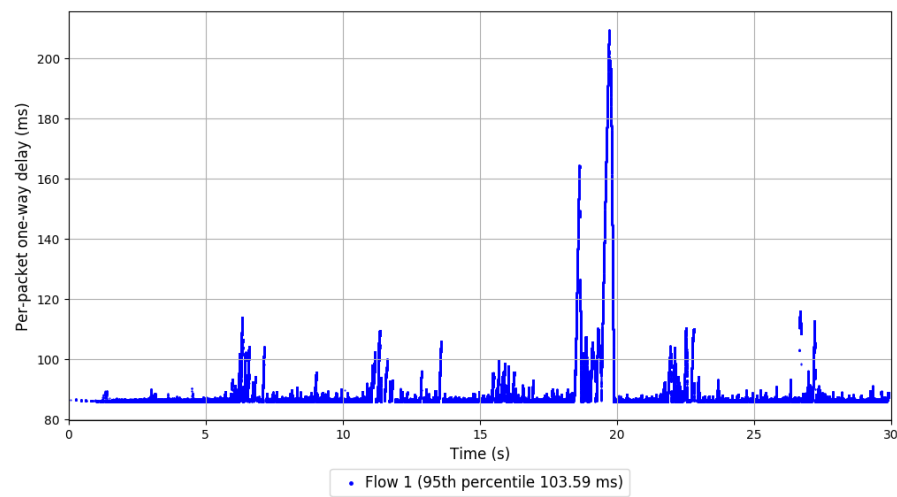
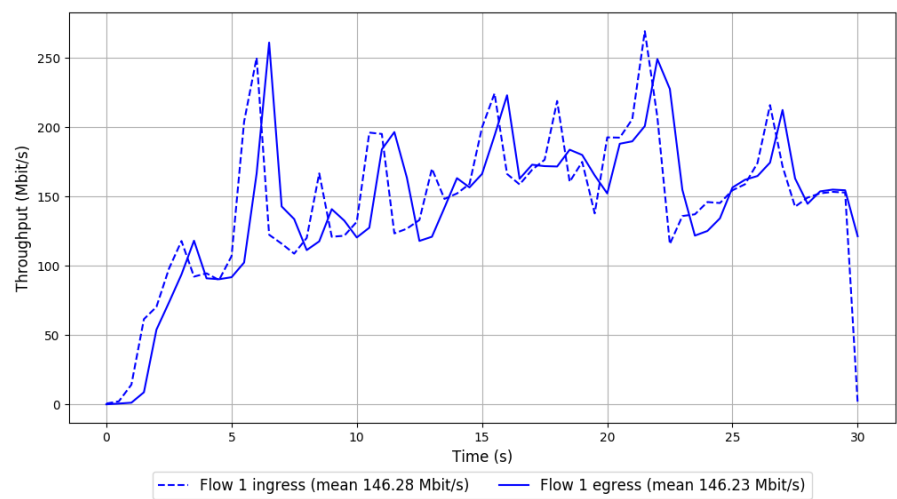
-- Flow 1:

Average throughput: 146.23 Mbit/s

95th percentile per-packet one-way delay: 103.593 ms

Loss rate: 0.61%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 10:32:30

End at: 2018-07-18 10:33:00

Local clock offset: 0.13 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-07-18 14:23:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 132.18 Mbit/s

95th percentile per-packet one-way delay: 97.942 ms

Loss rate: 0.61%

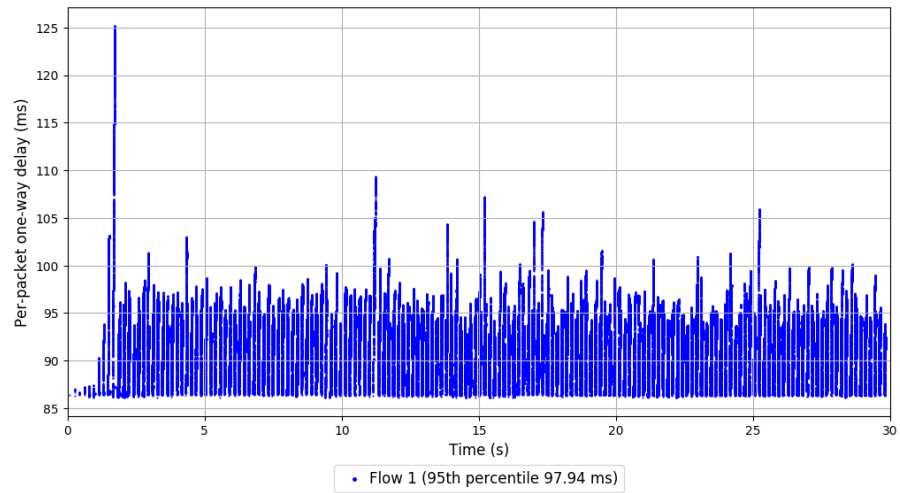
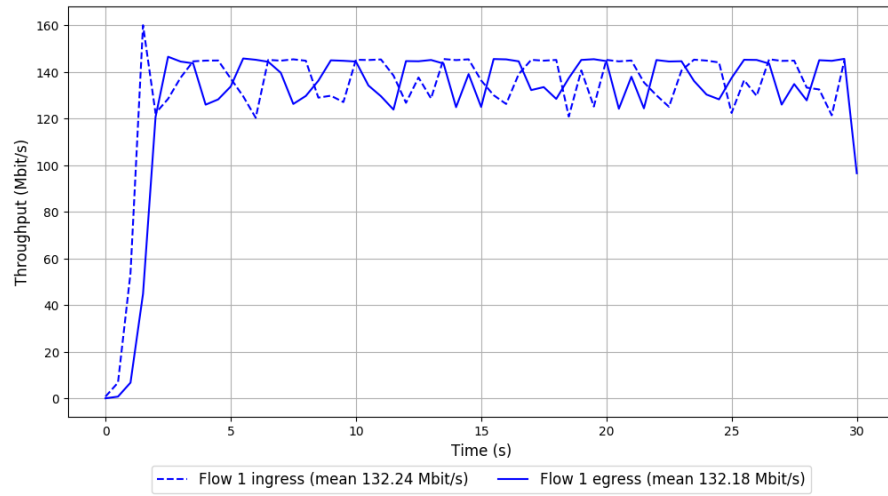
-- Flow 1:

Average throughput: 132.18 Mbit/s

95th percentile per-packet one-way delay: 97.942 ms

Loss rate: 0.61%

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

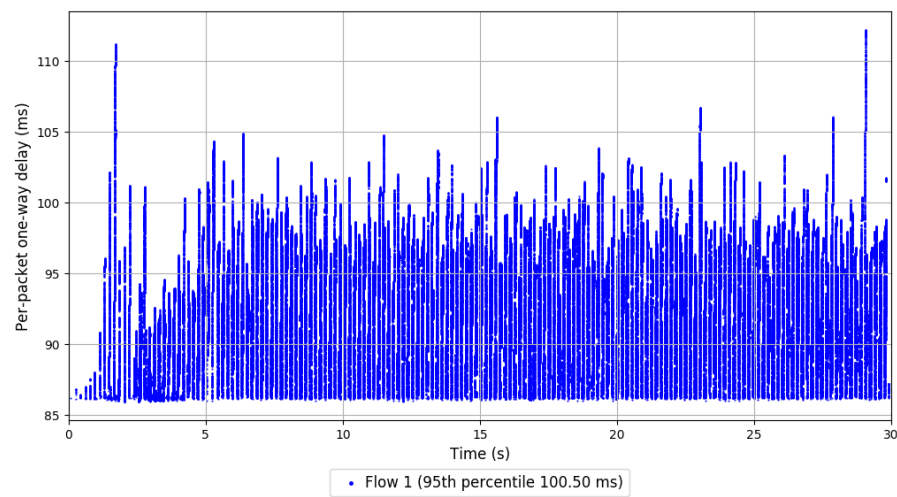
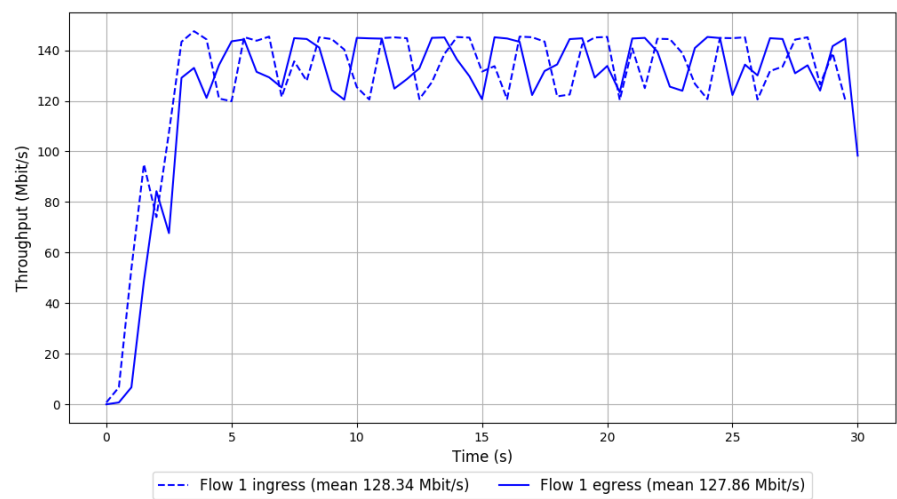


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 10:54:29  
End at: 2018-07-18 10:54:59  
Local clock offset: -0.053 ms  
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-07-18 14:23:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 127.86 Mbit/s  
95th percentile per-packet one-way delay: 100.504 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 127.86 Mbit/s  
95th percentile per-packet one-way delay: 100.504 ms  
Loss rate: 0.60%

Run 2: Report of TCP Cubic — Data Link

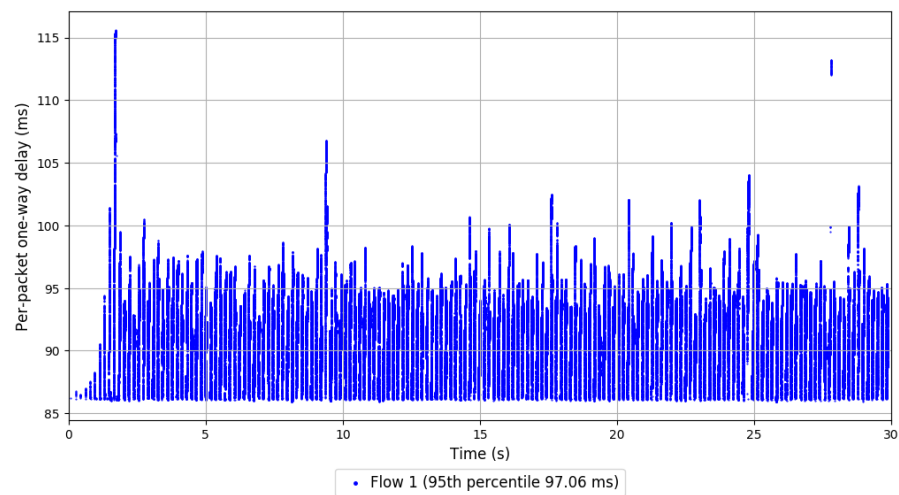
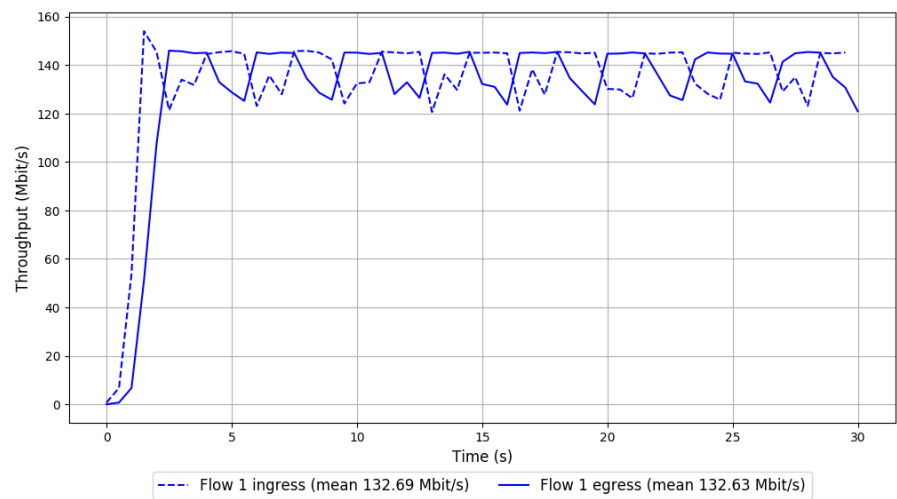


Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 11:16:38  
End at: 2018-07-18 11:17:08  
Local clock offset: -0.184 ms  
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-07-18 14:23:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 132.63 Mbit/s  
95th percentile per-packet one-way delay: 97.064 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 132.63 Mbit/s  
95th percentile per-packet one-way delay: 97.064 ms  
Loss rate: 0.61%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 11:38:04

End at: 2018-07-18 11:38:34

Local clock offset: -0.032 ms

Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-07-18 14:23:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 132.22 Mbit/s

95th percentile per-packet one-way delay: 99.794 ms

Loss rate: 0.61%

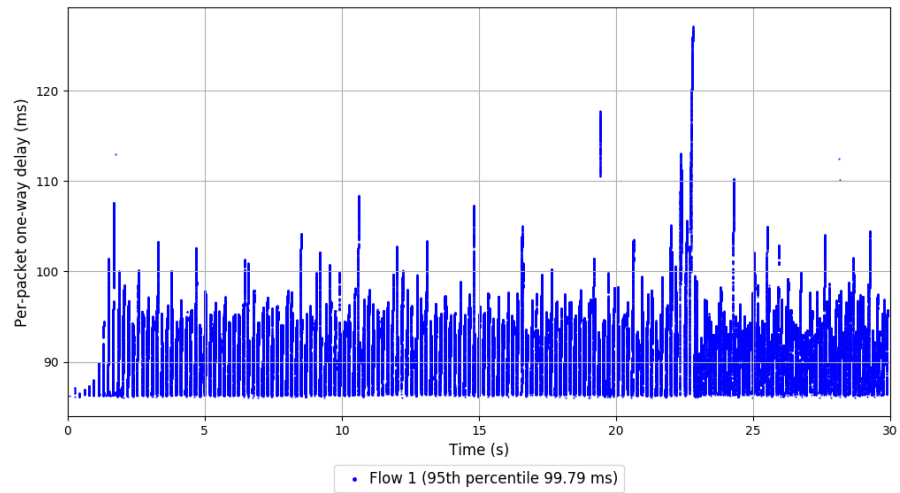
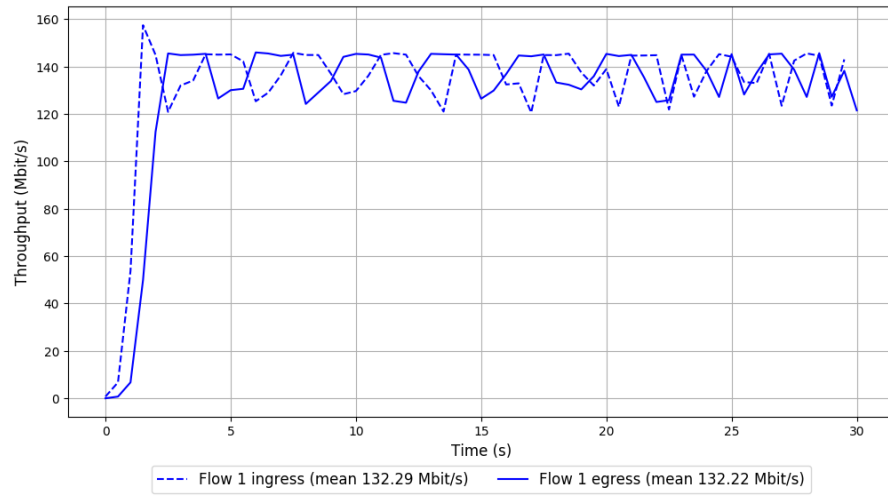
-- Flow 1:

Average throughput: 132.22 Mbit/s

95th percentile per-packet one-way delay: 99.794 ms

Loss rate: 0.61%

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

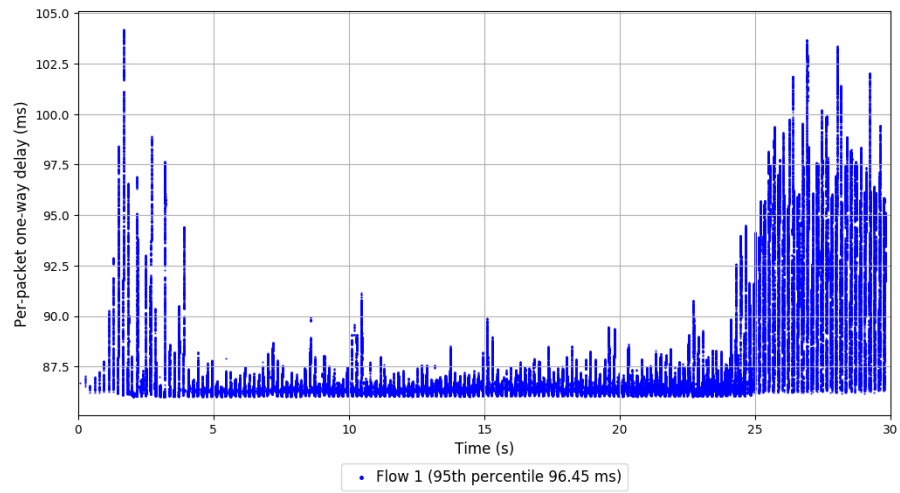
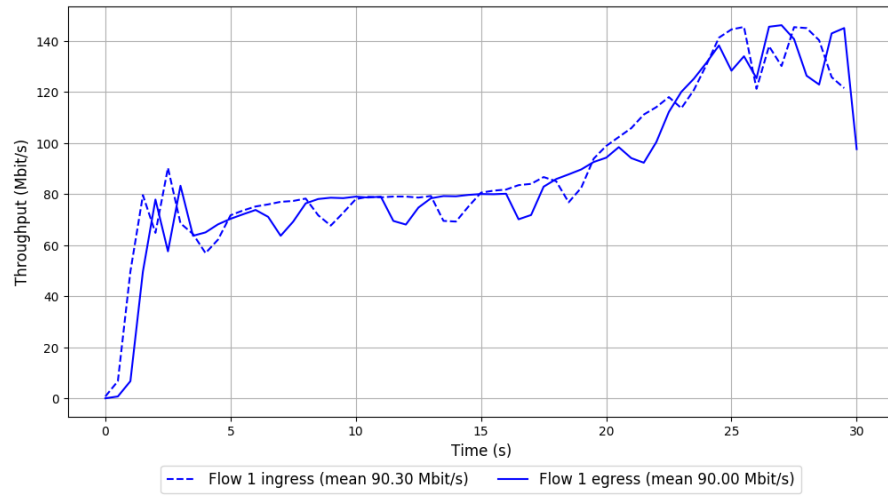


Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 11:59:45  
End at: 2018-07-18 12:00:15  
Local clock offset: -0.09 ms  
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-07-18 14:23:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.00 Mbit/s  
95th percentile per-packet one-way delay: 96.448 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 90.00 Mbit/s  
95th percentile per-packet one-way delay: 96.448 ms  
Loss rate: 0.90%

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

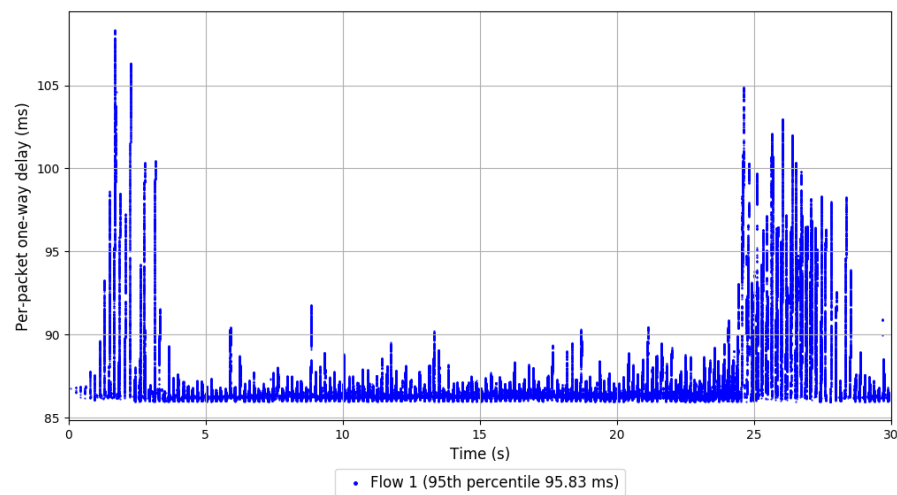
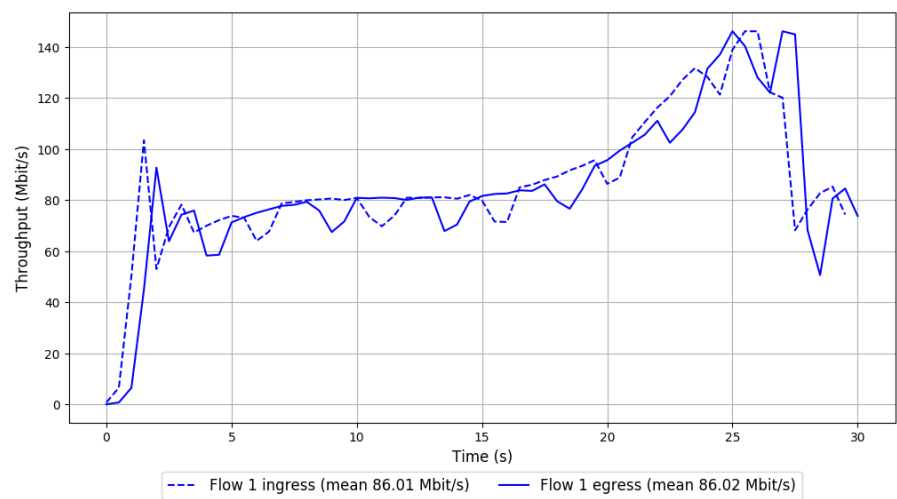


Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 12:21:44  
End at: 2018-07-18 12:22:14  
Local clock offset: -0.163 ms  
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-07-18 14:23:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.02 Mbit/s  
95th percentile per-packet one-way delay: 95.833 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 86.02 Mbit/s  
95th percentile per-packet one-way delay: 95.833 ms  
Loss rate: 0.56%

Run 6: Report of TCP Cubic — Data Link

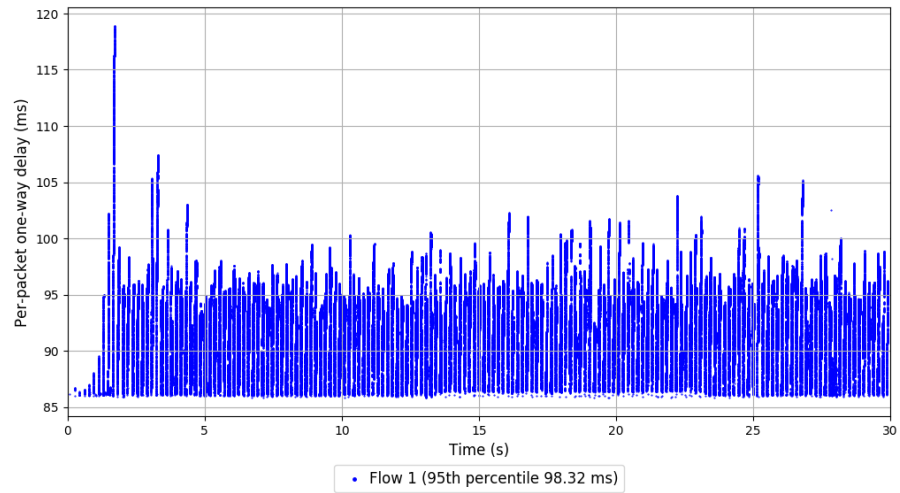
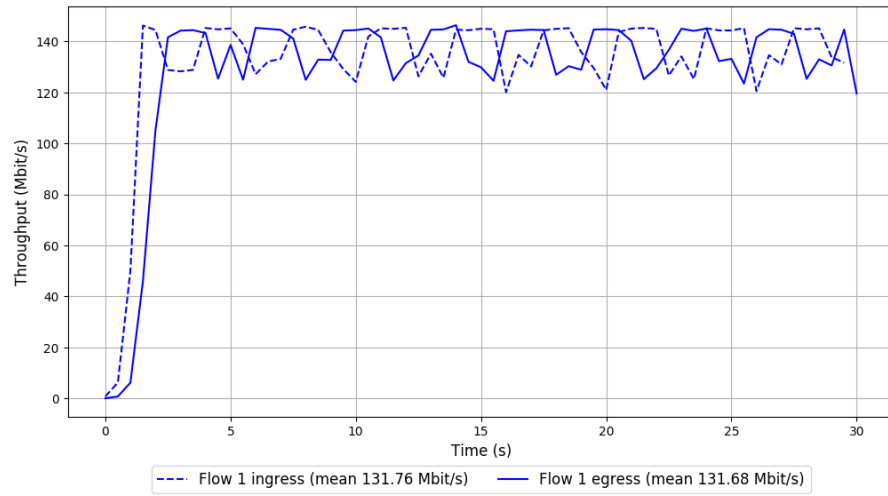


Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 12:43:50  
End at: 2018-07-18 12:44:20  
Local clock offset: -0.228 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-07-18 14:23:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 131.68 Mbit/s  
95th percentile per-packet one-way delay: 98.318 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 131.68 Mbit/s  
95th percentile per-packet one-way delay: 98.318 ms  
Loss rate: 0.63%

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

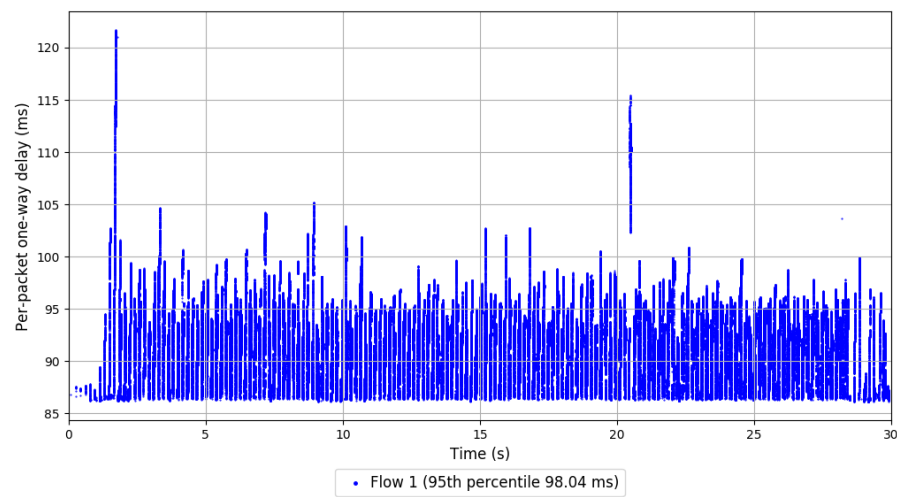
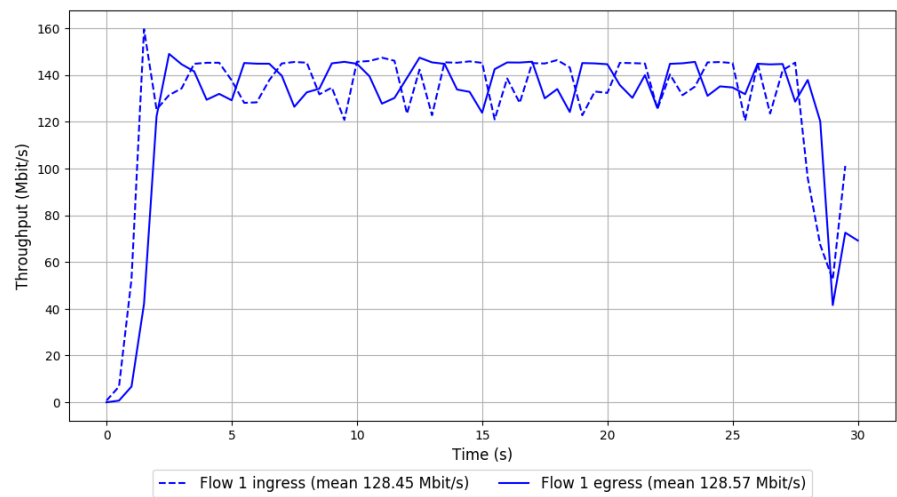


Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 13:06:03  
End at: 2018-07-18 13:06:33  
Local clock offset: 0.1 ms  
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-07-18 14:23:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 128.57 Mbit/s  
95th percentile per-packet one-way delay: 98.037 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 128.57 Mbit/s  
95th percentile per-packet one-way delay: 98.037 ms  
Loss rate: 0.49%

Run 8: Report of TCP Cubic — Data Link

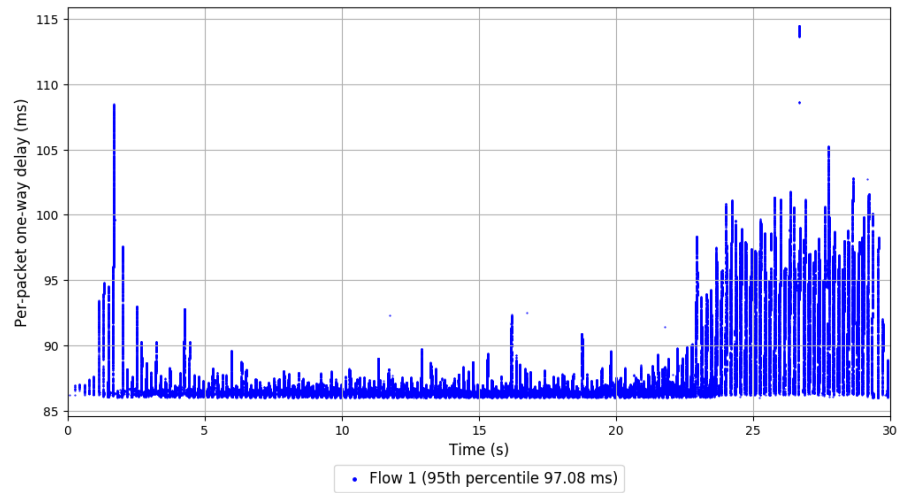
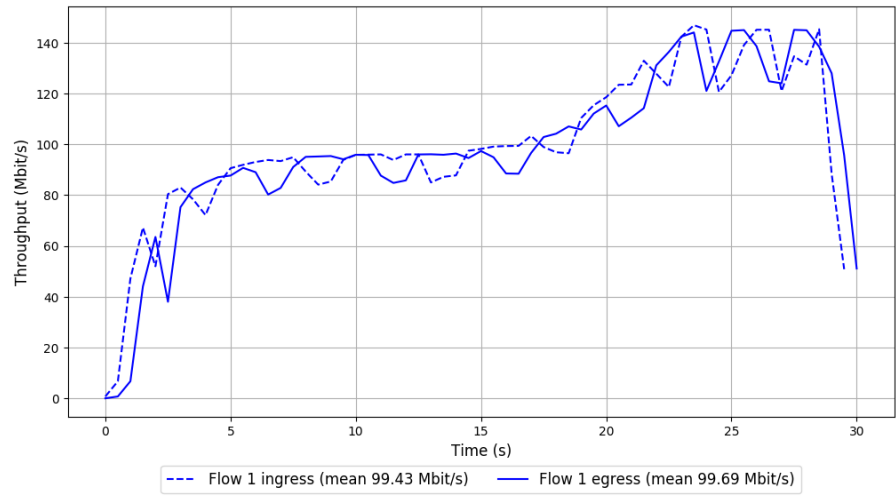


Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 13:27:35  
End at: 2018-07-18 13:28:05  
Local clock offset: -0.096 ms  
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-07-18 14:23:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 99.69 Mbit/s  
95th percentile per-packet one-way delay: 97.080 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 99.69 Mbit/s  
95th percentile per-packet one-way delay: 97.080 ms  
Loss rate: 0.28%

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



Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 13:49:29

End at: 2018-07-18 13:49:59

Local clock offset: -0.183 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-18 14:23:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.06 Mbit/s

95th percentile per-packet one-way delay: 96.445 ms

Loss rate: 0.52%

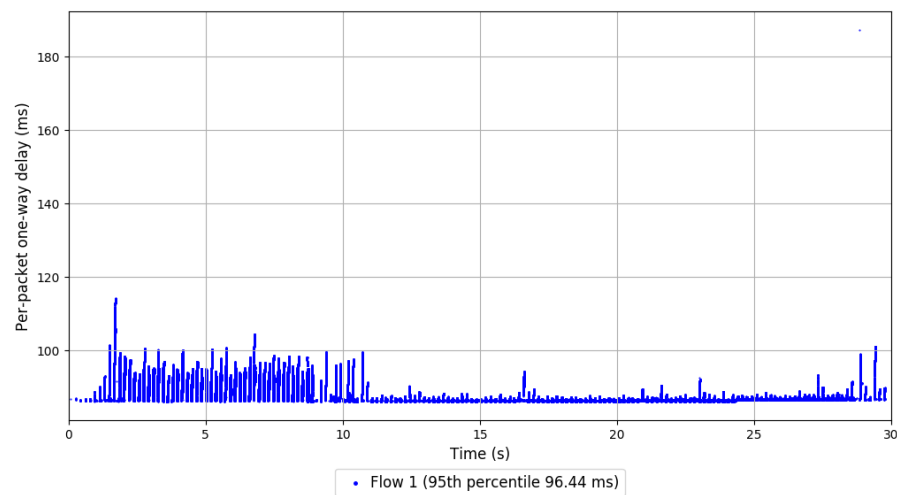
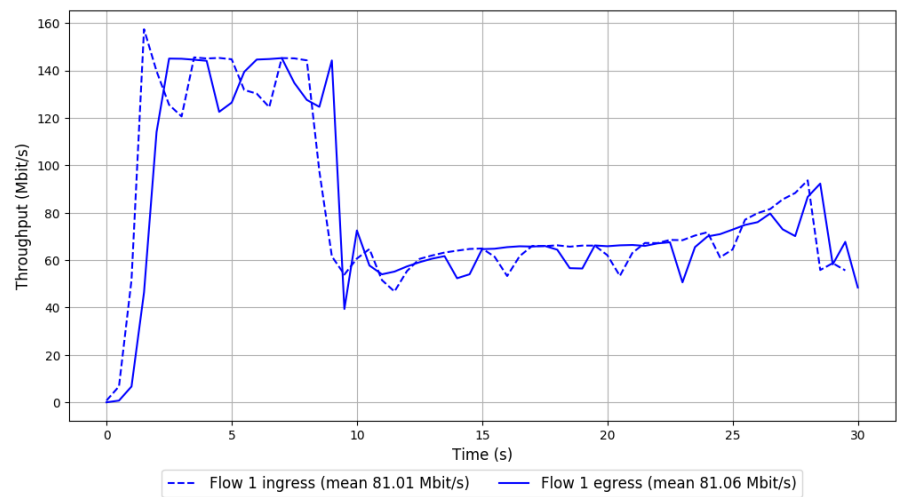
-- Flow 1:

Average throughput: 81.06 Mbit/s

95th percentile per-packet one-way delay: 96.445 ms

Loss rate: 0.52%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-18 10:44:19

End at: 2018-07-18 10:44:49

Local clock offset: -0.125 ms

Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-07-18 14:35:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 594.81 Mbit/s

95th percentile per-packet one-way delay: 340.266 ms

Loss rate: 5.06%

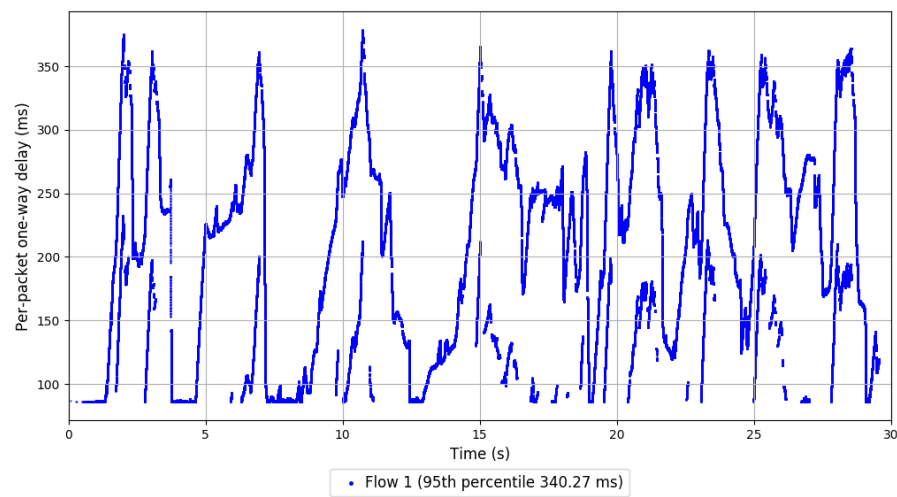
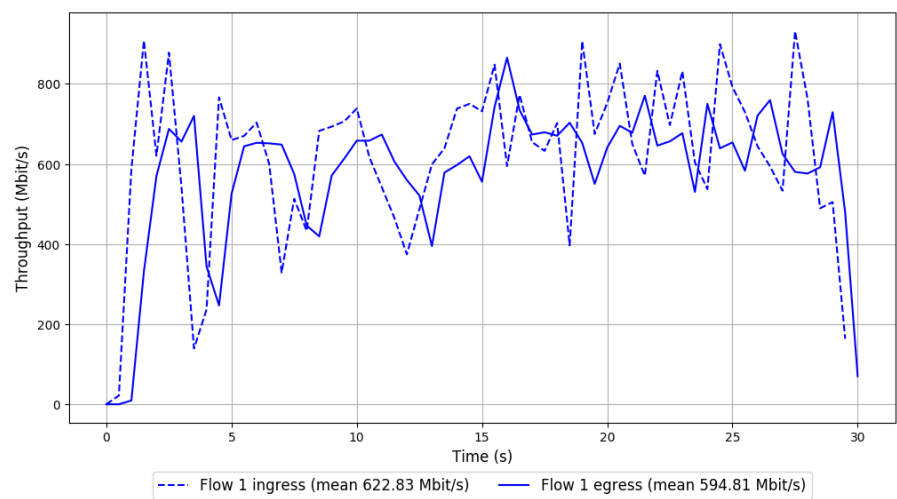
-- Flow 1:

Average throughput: 594.81 Mbit/s

95th percentile per-packet one-way delay: 340.266 ms

Loss rate: 5.06%

Run 1: Report of FillP — Data Link

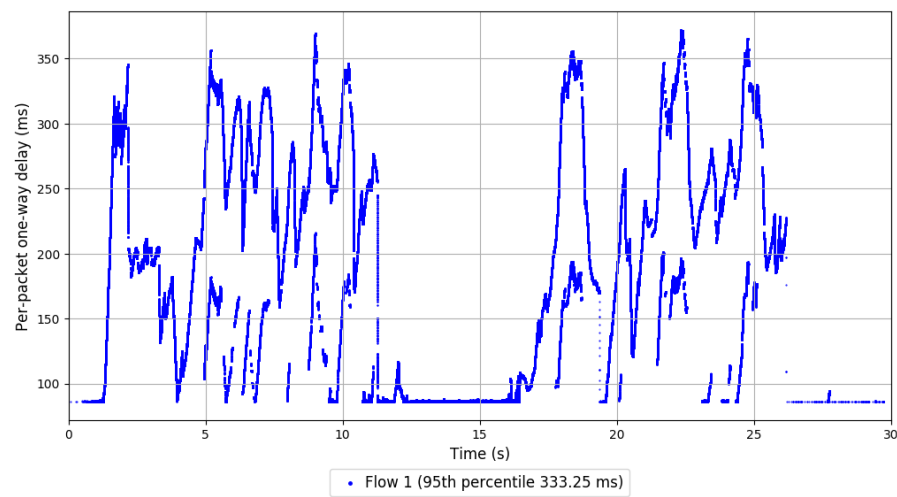
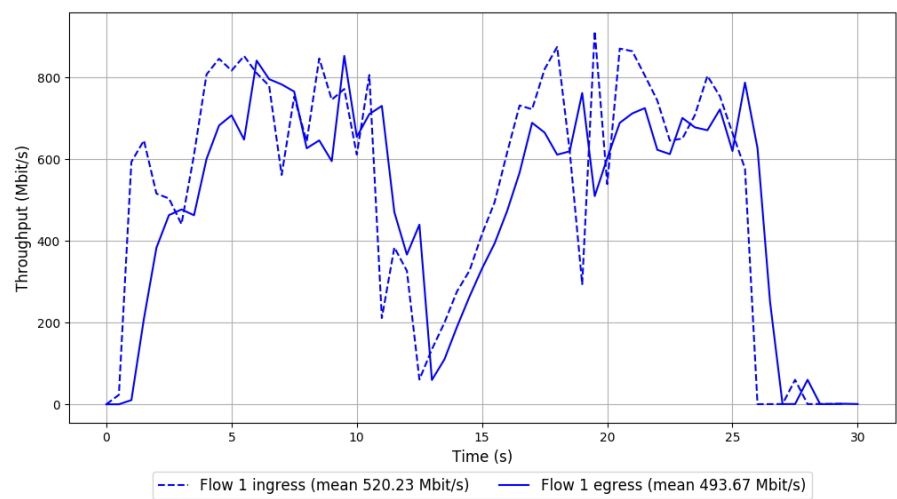


Run 2: Statistics of FillP

Start at: 2018-07-18 11:06:18  
End at: 2018-07-18 11:06:48  
Local clock offset: -0.108 ms  
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-07-18 14:35:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 493.67 Mbit/s  
95th percentile per-packet one-way delay: 333.248 ms  
Loss rate: 5.94%  
-- Flow 1:  
Average throughput: 493.67 Mbit/s  
95th percentile per-packet one-way delay: 333.248 ms  
Loss rate: 5.94%

Run 2: Report of FillP — Data Link

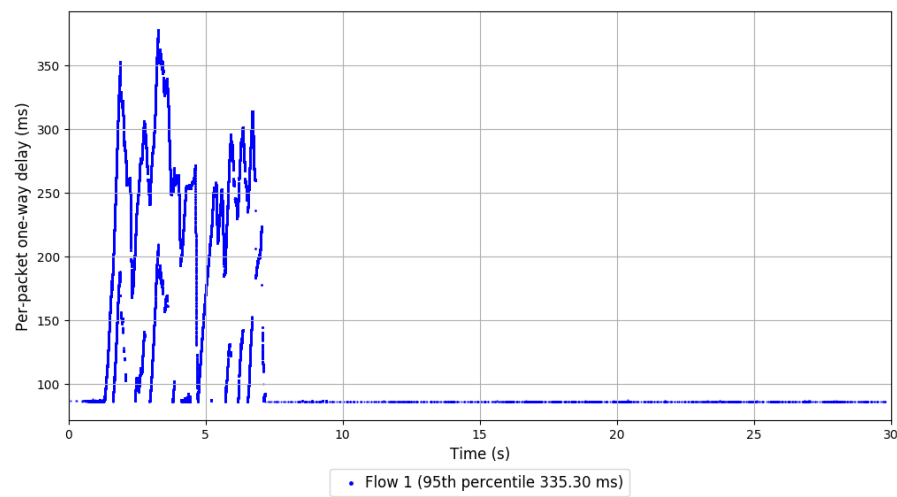
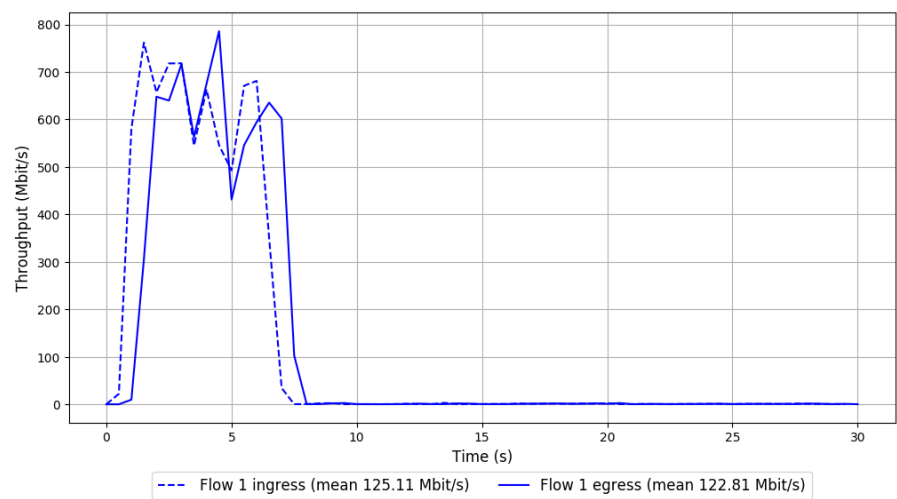


Run 3: Statistics of FillP

Start at: 2018-07-18 11:28:08  
End at: 2018-07-18 11:28:38  
Local clock offset: -0.017 ms  
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-07-18 14:35:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 122.81 Mbit/s  
95th percentile per-packet one-way delay: 335.302 ms  
Loss rate: 2.49%  
-- Flow 1:  
Average throughput: 122.81 Mbit/s  
95th percentile per-packet one-way delay: 335.302 ms  
Loss rate: 2.49%

Run 3: Report of FillP — Data Link

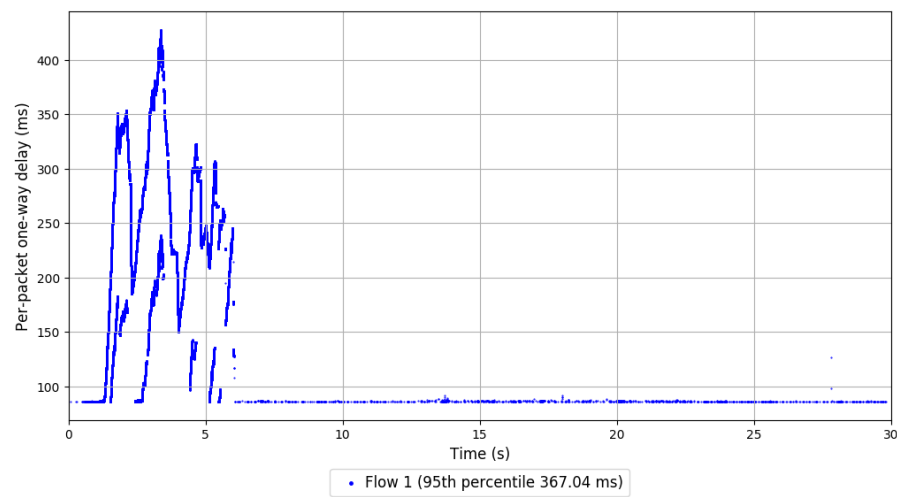
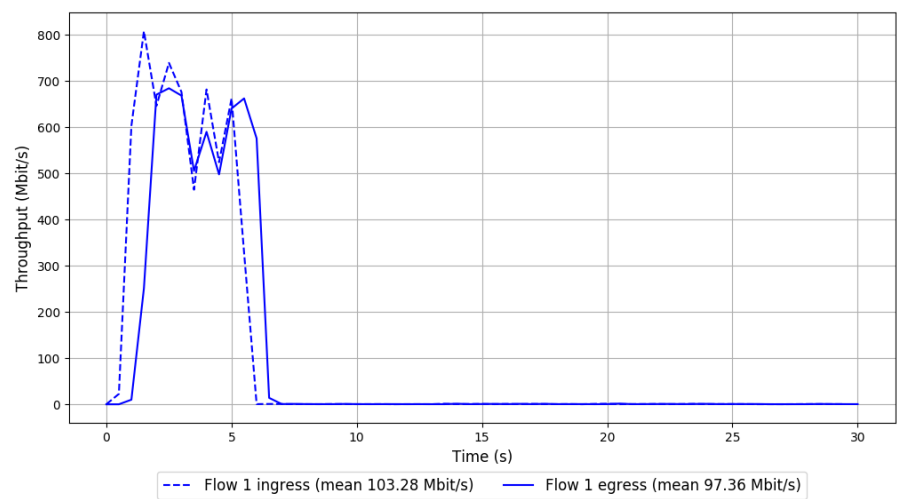


Run 4: Statistics of FillP

Start at: 2018-07-18 11:49:46  
End at: 2018-07-18 11:50:16  
Local clock offset: -0.091 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-07-18 14:35:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.36 Mbit/s  
95th percentile per-packet one-way delay: 367.036 ms  
Loss rate: 6.26%  
-- Flow 1:  
Average throughput: 97.36 Mbit/s  
95th percentile per-packet one-way delay: 367.036 ms  
Loss rate: 6.26%

Run 4: Report of FillP — Data Link

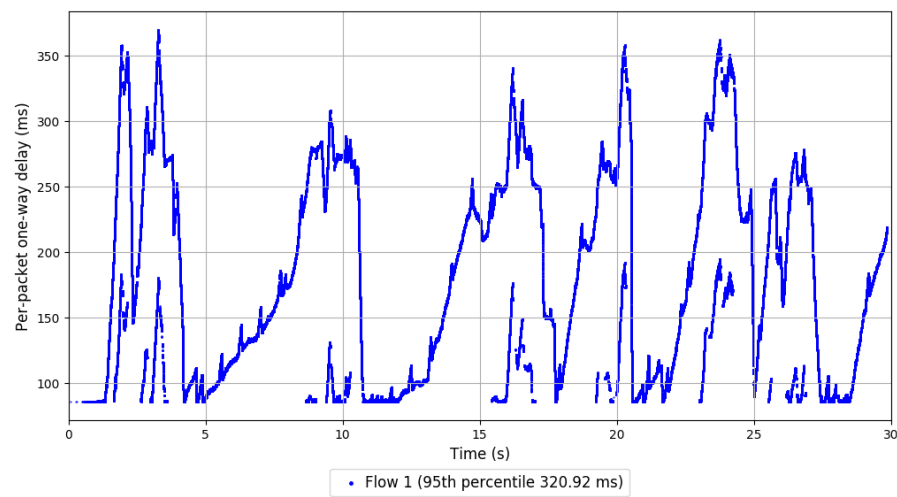
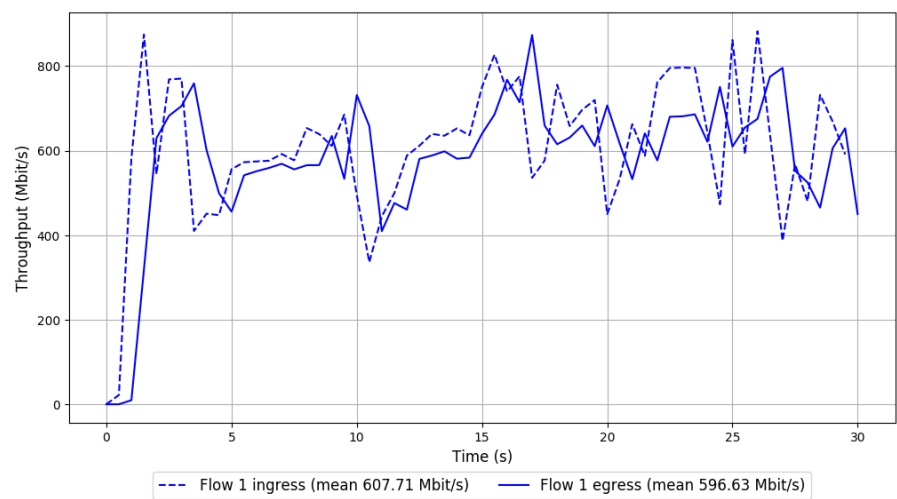


Run 5: Statistics of FillP

Start at: 2018-07-18 12:11:29  
End at: 2018-07-18 12:11:59  
Local clock offset: -0.138 ms  
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-07-18 14:36:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 596.63 Mbit/s  
95th percentile per-packet one-way delay: 320.924 ms  
Loss rate: 2.39%  
-- Flow 1:  
Average throughput: 596.63 Mbit/s  
95th percentile per-packet one-way delay: 320.924 ms  
Loss rate: 2.39%

Run 5: Report of FillP — Data Link

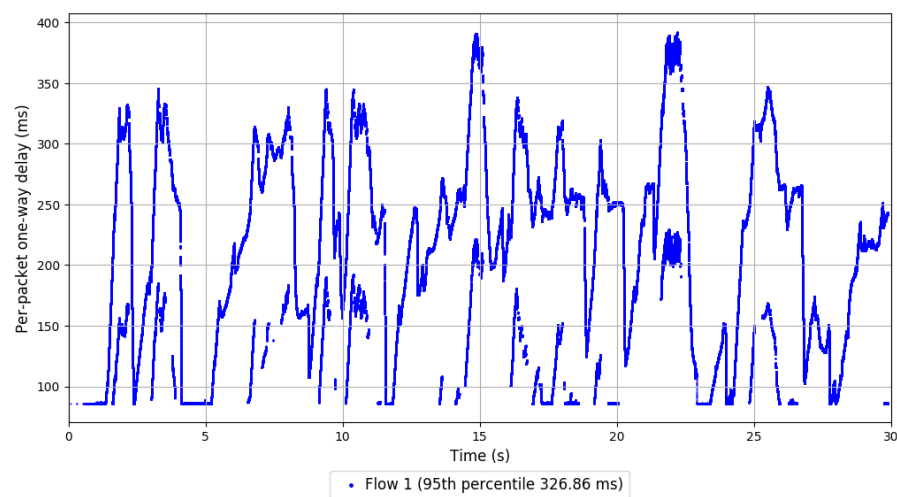
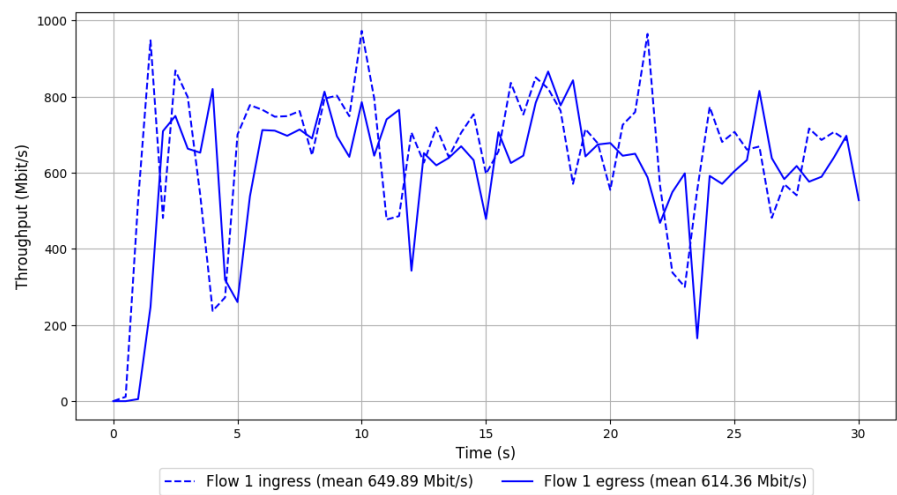


Run 6: Statistics of FillP

Start at: 2018-07-18 12:33:26  
End at: 2018-07-18 12:33:56  
Local clock offset: -0.318 ms  
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-07-18 14:37:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 614.36 Mbit/s  
95th percentile per-packet one-way delay: 326.864 ms  
Loss rate: 6.01%  
-- Flow 1:  
Average throughput: 614.36 Mbit/s  
95th percentile per-packet one-way delay: 326.864 ms  
Loss rate: 6.01%

Run 6: Report of FillP — Data Link

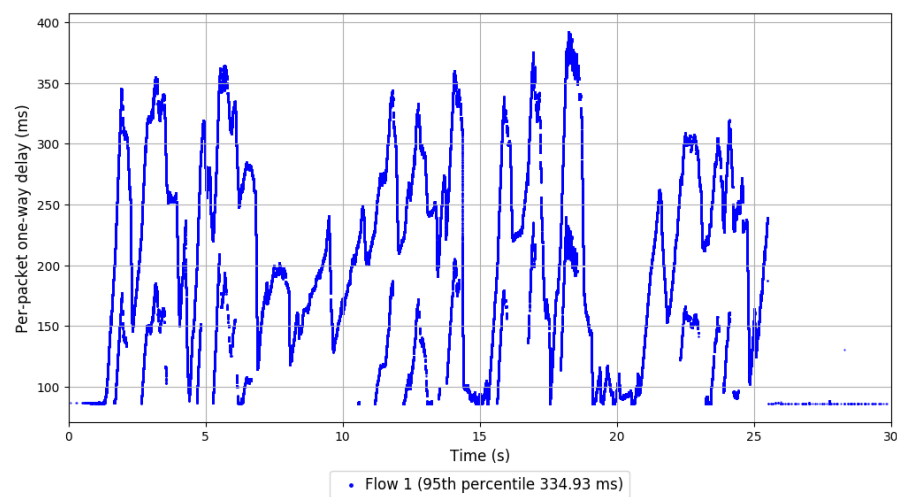
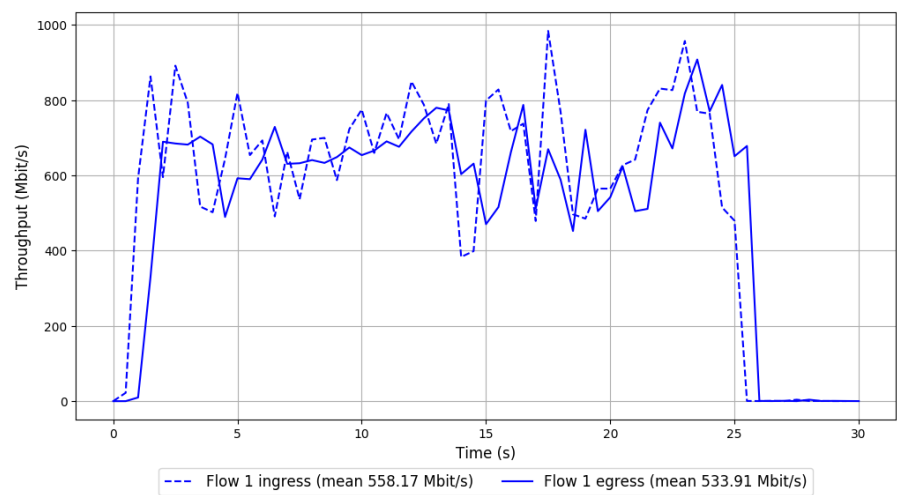


Run 7: Statistics of FillP

Start at: 2018-07-18 12:55:46  
End at: 2018-07-18 12:56:16  
Local clock offset: -0.006 ms  
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-07-18 14:37:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 533.91 Mbit/s  
95th percentile per-packet one-way delay: 334.934 ms  
Loss rate: 4.84%  
-- Flow 1:  
Average throughput: 533.91 Mbit/s  
95th percentile per-packet one-way delay: 334.934 ms  
Loss rate: 4.84%

Run 7: Report of FillP — Data Link

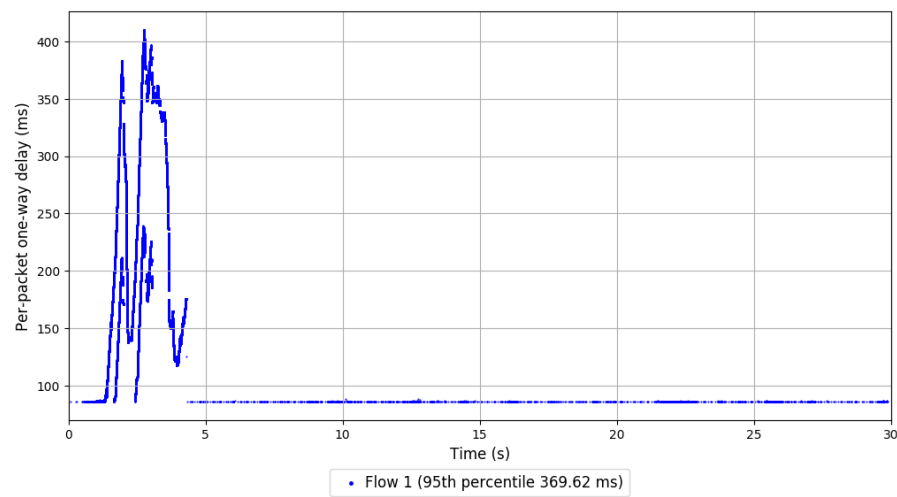
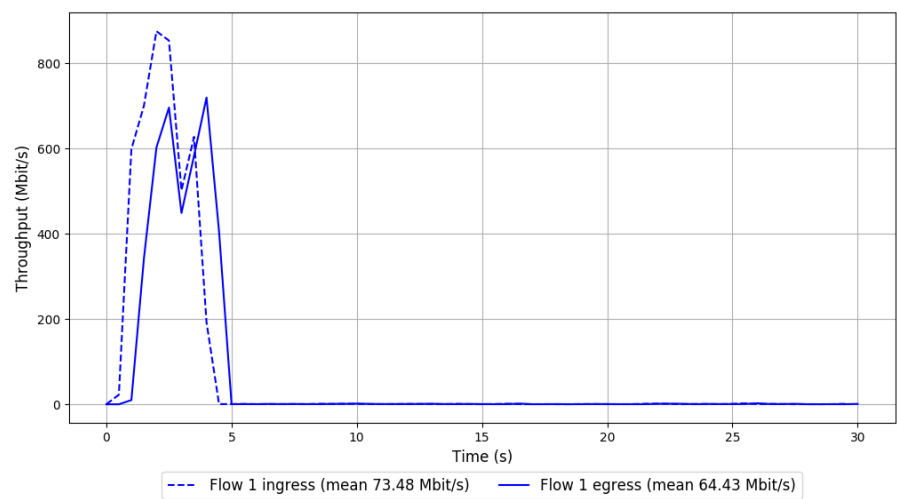


Run 8: Statistics of FillP

Start at: 2018-07-18 13:17:39  
End at: 2018-07-18 13:18:09  
Local clock offset: -0.155 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-07-18 14:37:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.43 Mbit/s  
95th percentile per-packet one-way delay: 369.620 ms  
Loss rate: 12.82%  
-- Flow 1:  
Average throughput: 64.43 Mbit/s  
95th percentile per-packet one-way delay: 369.620 ms  
Loss rate: 12.82%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-18 13:39:21

End at: 2018-07-18 13:39:51

Local clock offset: -0.28 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-18 14:37:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 515.66 Mbit/s

95th percentile per-packet one-way delay: 270.271 ms

Loss rate: 1.15%

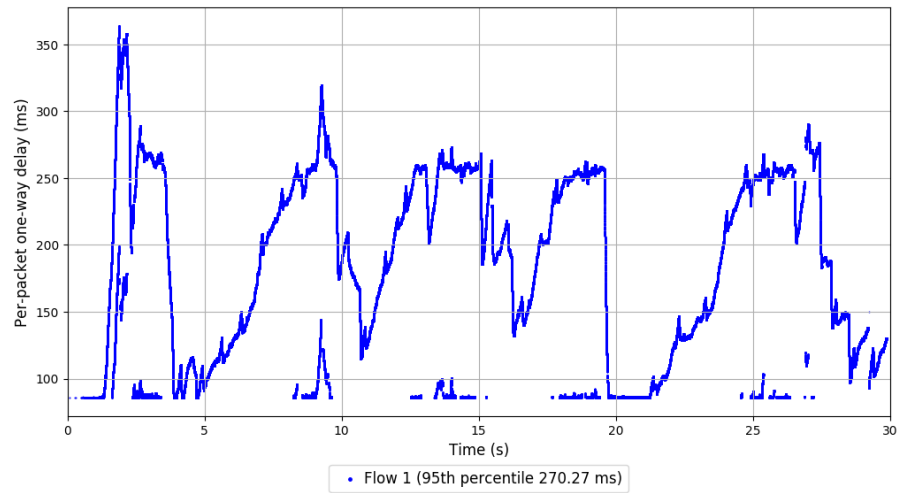
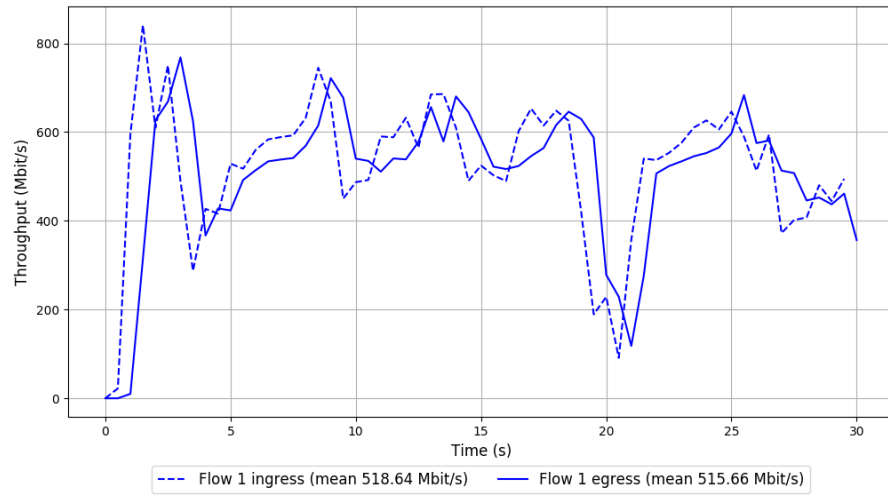
-- Flow 1:

Average throughput: 515.66 Mbit/s

95th percentile per-packet one-way delay: 270.271 ms

Loss rate: 1.15%

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

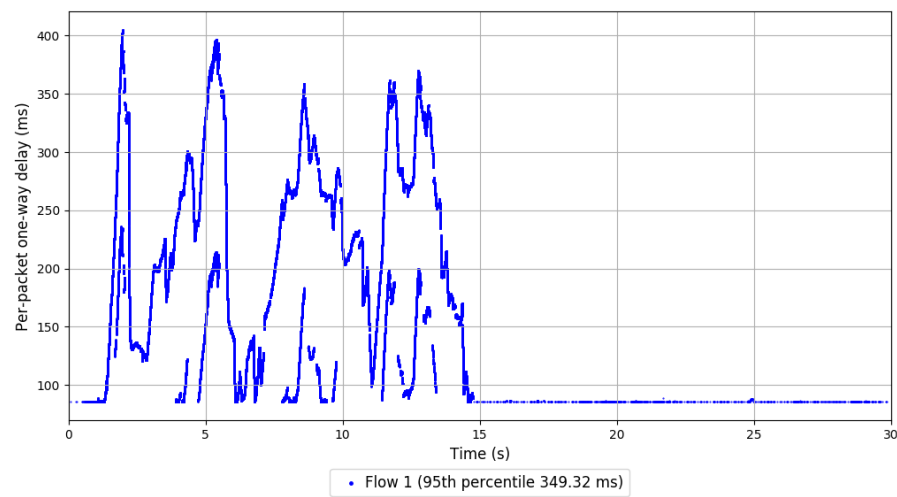
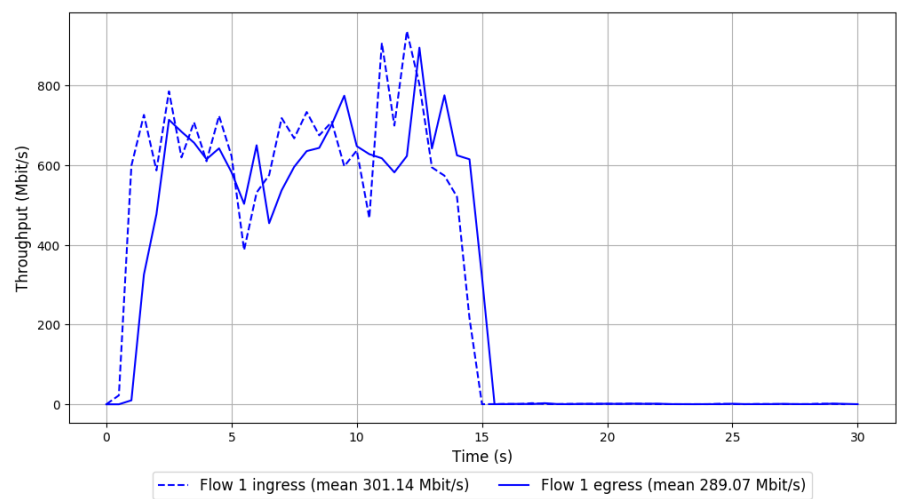


Run 10: Statistics of FillP

Start at: 2018-07-18 14:01:16  
End at: 2018-07-18 14:01:46  
Local clock offset: -0.251 ms  
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-18 14:37:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 289.07 Mbit/s  
95th percentile per-packet one-way delay: 349.316 ms  
Loss rate: 4.34%  
-- Flow 1:  
Average throughput: 289.07 Mbit/s  
95th percentile per-packet one-way delay: 349.316 ms  
Loss rate: 4.34%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 10:39:04

End at: 2018-07-18 10:39:34

Local clock offset: -0.179 ms

Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-07-18 14:38:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 573.38 Mbit/s

95th percentile per-packet one-way delay: 352.962 ms

Loss rate: 7.76%

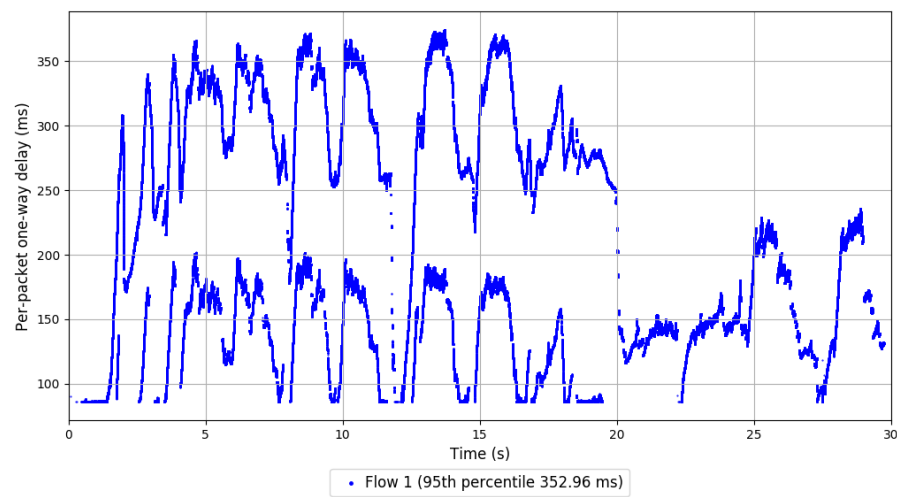
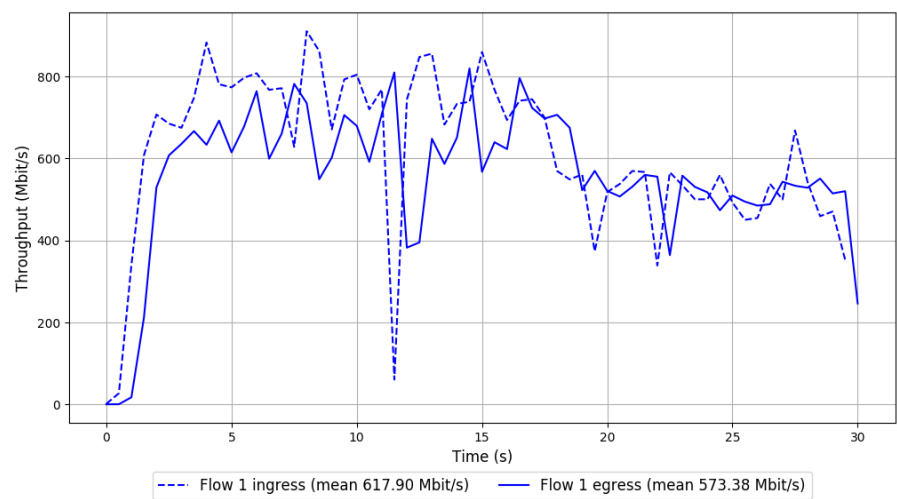
-- Flow 1:

Average throughput: 573.38 Mbit/s

95th percentile per-packet one-way delay: 352.962 ms

Loss rate: 7.76%

Run 1: Report of FillP-Sheep — Data Link

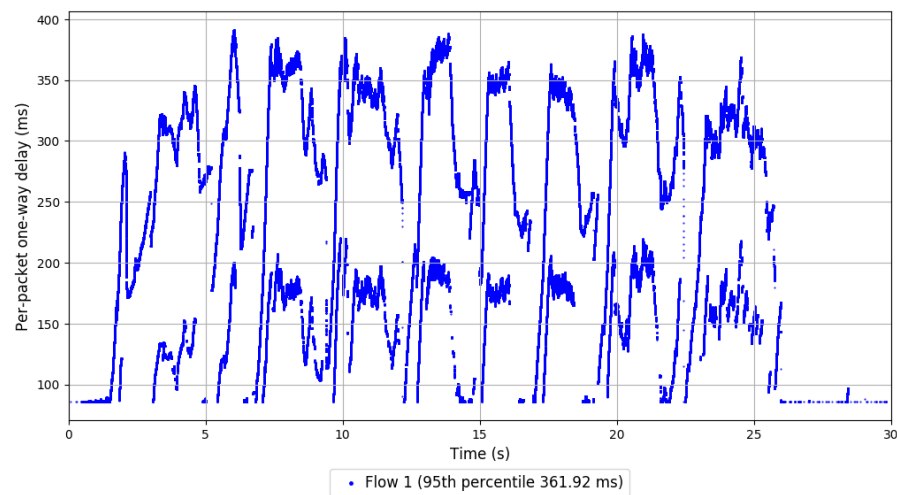
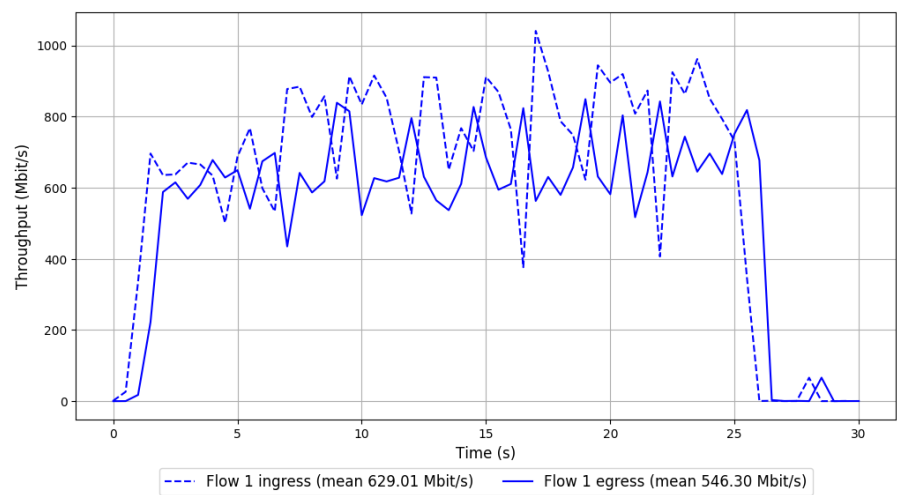


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 11:01:03  
End at: 2018-07-18 11:01:33  
Local clock offset: -0.089 ms  
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-07-18 14:43:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 546.30 Mbit/s  
95th percentile per-packet one-way delay: 361.922 ms  
Loss rate: 13.54%  
-- Flow 1:  
Average throughput: 546.30 Mbit/s  
95th percentile per-packet one-way delay: 361.922 ms  
Loss rate: 13.54%

Run 2: Report of FillP-Sheep — Data Link

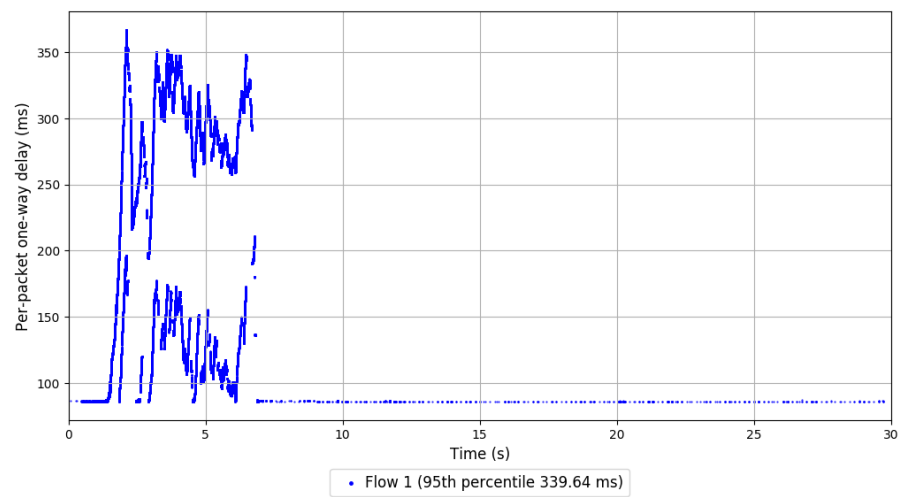
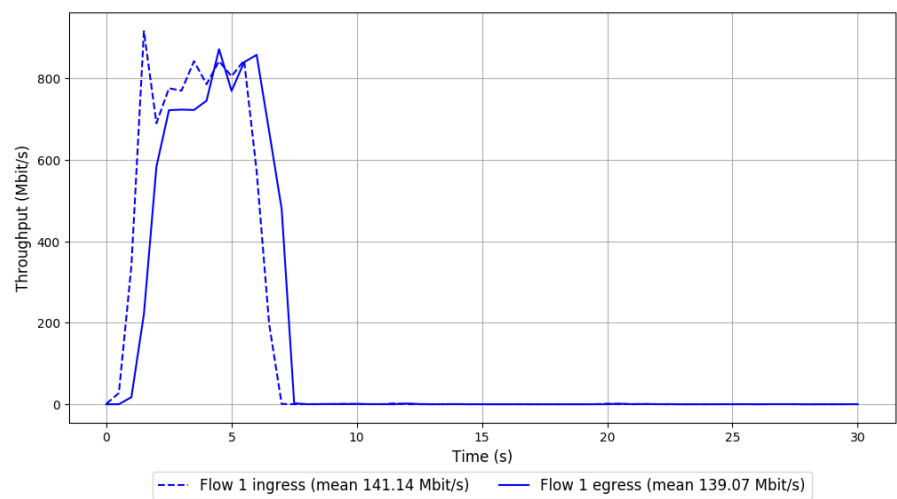


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 11:23:14  
End at: 2018-07-18 11:23:44  
Local clock offset: -0.227 ms  
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-07-18 14:43:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 139.07 Mbit/s  
95th percentile per-packet one-way delay: 339.636 ms  
Loss rate: 2.18%  
-- Flow 1:  
Average throughput: 139.07 Mbit/s  
95th percentile per-packet one-way delay: 339.636 ms  
Loss rate: 2.18%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 11:44:38

End at: 2018-07-18 11:45:08

Local clock offset: -0.214 ms

Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-07-18 14:49:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 601.99 Mbit/s

95th percentile per-packet one-way delay: 261.013 ms

Loss rate: 0.92%

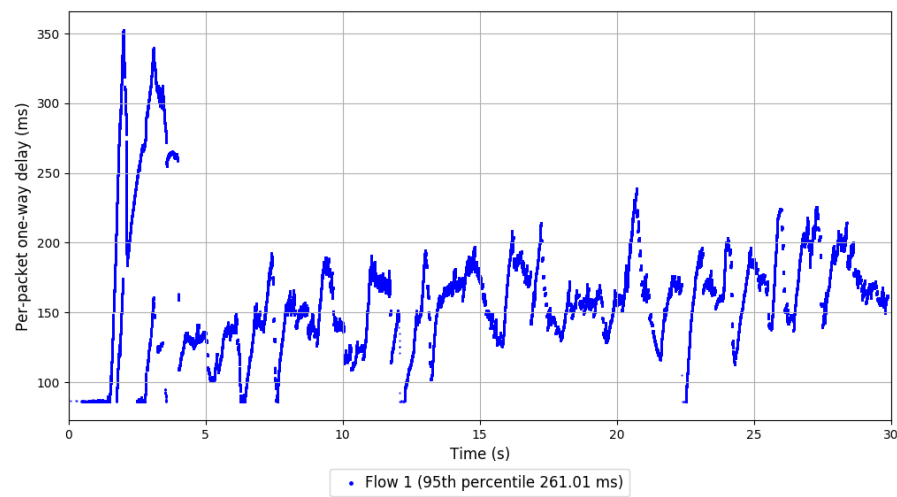
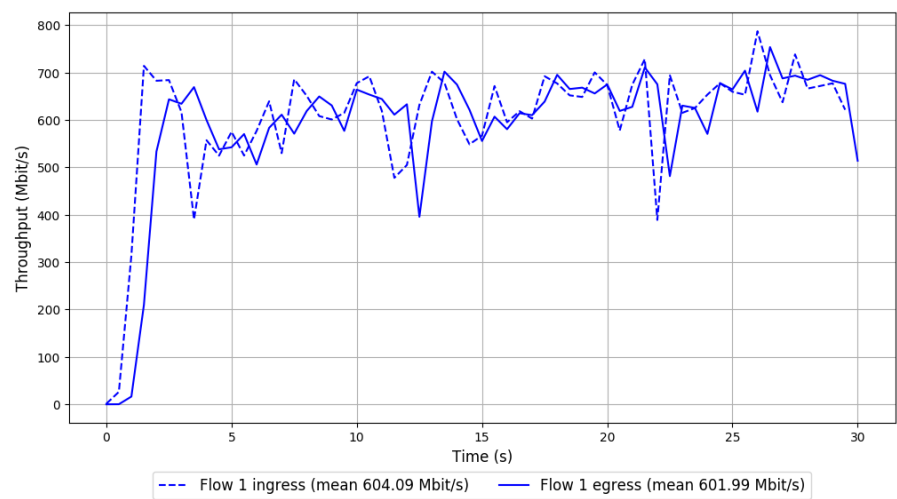
-- Flow 1:

Average throughput: 601.99 Mbit/s

95th percentile per-packet one-way delay: 261.013 ms

Loss rate: 0.92%

Run 4: Report of FillP-Sheep — Data Link

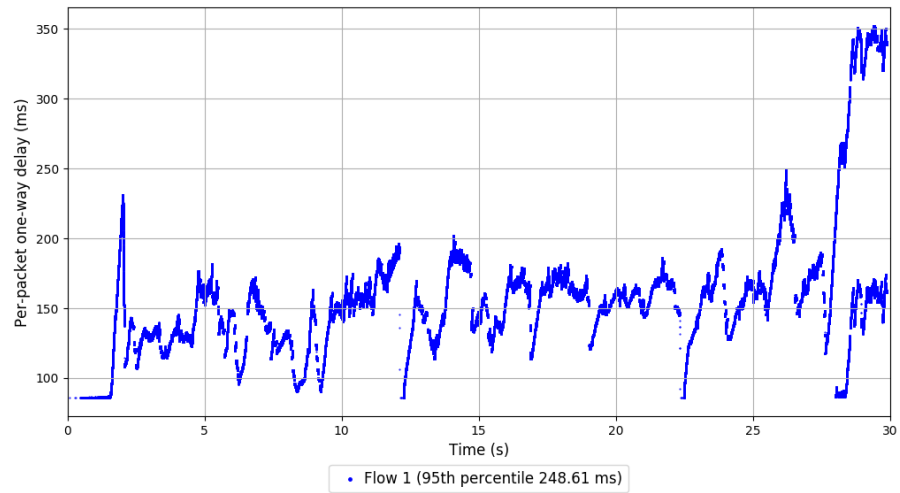
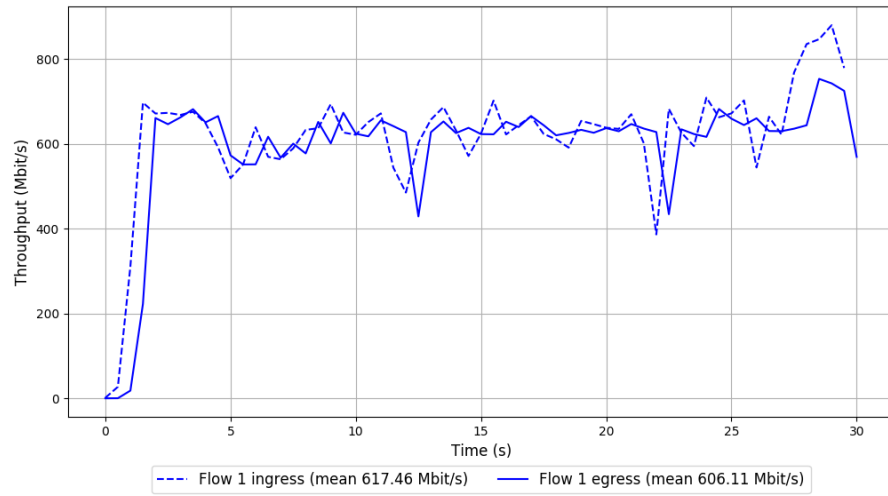


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 12:06:17  
End at: 2018-07-18 12:06:47  
Local clock offset: -0.324 ms  
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-07-18 14:49:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 606.11 Mbit/s  
95th percentile per-packet one-way delay: 248.607 ms  
Loss rate: 2.40%  
-- Flow 1:  
Average throughput: 606.11 Mbit/s  
95th percentile per-packet one-way delay: 248.607 ms  
Loss rate: 2.40%

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



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 12:28:16

End at: 2018-07-18 12:28:46

Local clock offset: -0.116 ms

Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-07-18 14:49:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 572.90 Mbit/s

95th percentile per-packet one-way delay: 188.639 ms

Loss rate: 1.12%

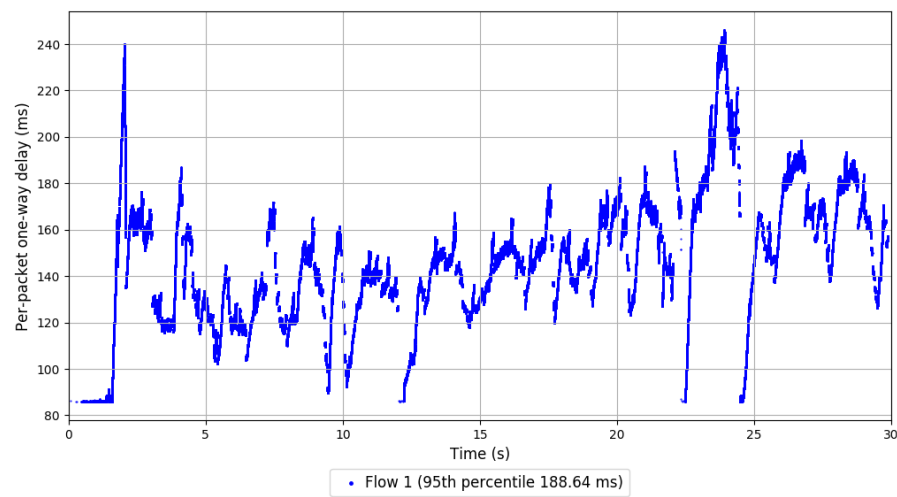
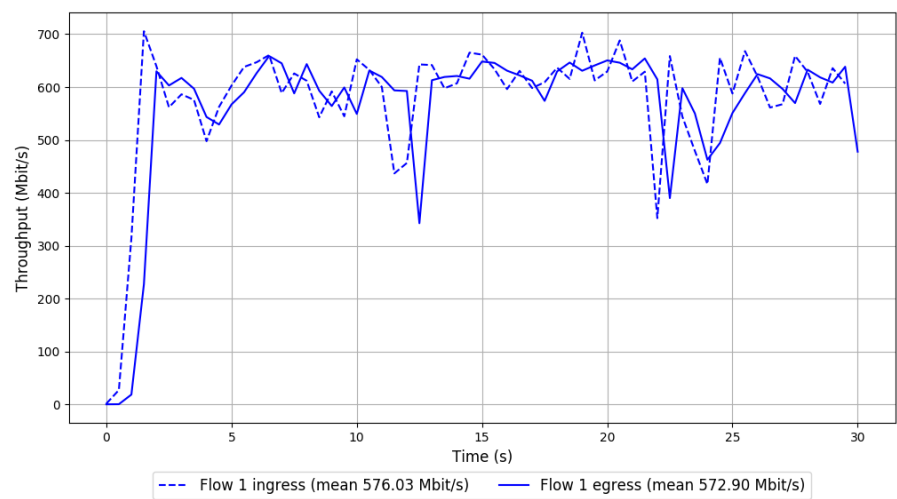
-- Flow 1:

Average throughput: 572.90 Mbit/s

95th percentile per-packet one-way delay: 188.639 ms

Loss rate: 1.12%

Run 6: Report of FillP-Sheep — Data Link

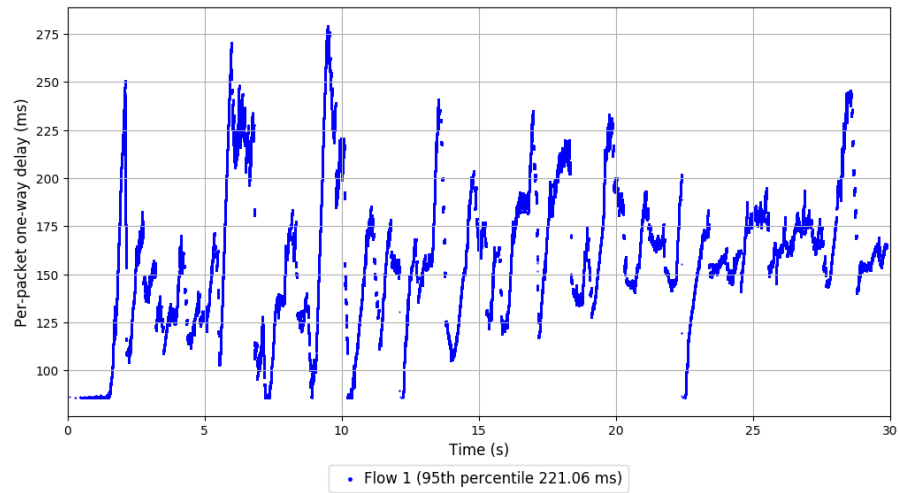
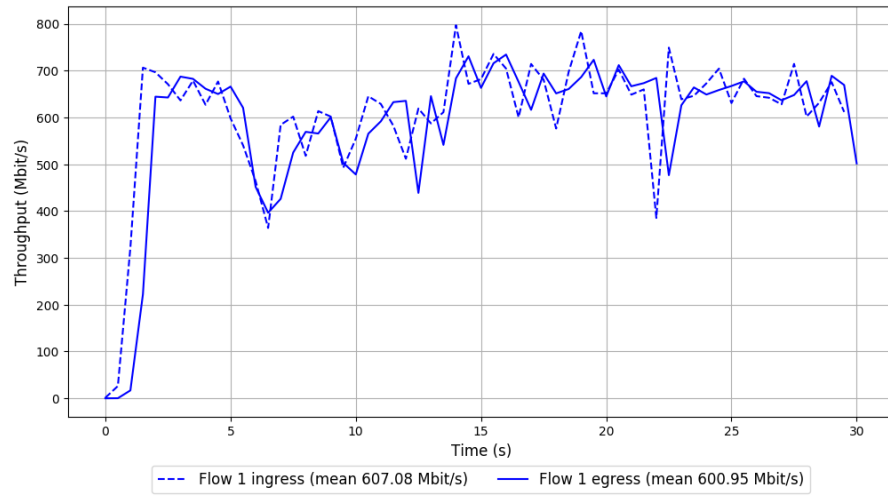


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 12:50:31  
End at: 2018-07-18 12:51:01  
Local clock offset: -0.089 ms  
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-07-18 14:50:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 600.95 Mbit/s  
95th percentile per-packet one-way delay: 221.056 ms  
Loss rate: 1.58%  
-- Flow 1:  
Average throughput: 600.95 Mbit/s  
95th percentile per-packet one-way delay: 221.056 ms  
Loss rate: 1.58%

## Run 7: Report of FillP-Sheep — Data Link

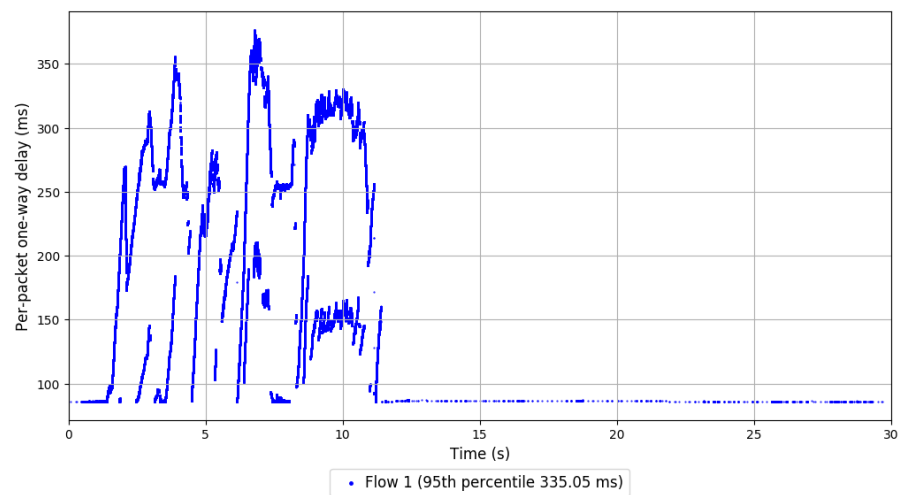
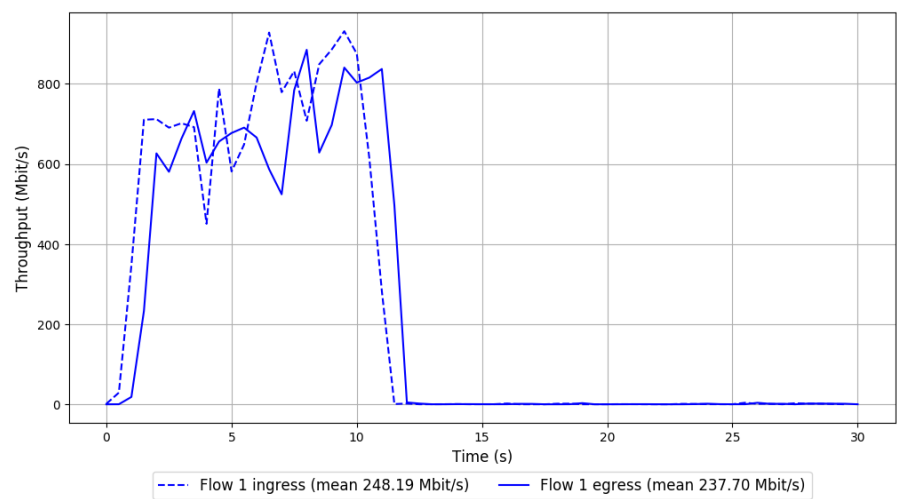


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 13:12:41  
End at: 2018-07-18 13:13:11  
Local clock offset: -0.131 ms  
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-07-18 14:50:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 237.70 Mbit/s  
95th percentile per-packet one-way delay: 335.052 ms  
Loss rate: 5.31%  
-- Flow 1:  
Average throughput: 237.70 Mbit/s  
95th percentile per-packet one-way delay: 335.052 ms  
Loss rate: 5.31%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 13:34:07

End at: 2018-07-18 13:34:37

Local clock offset: -0.326 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-18 14:50:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 591.12 Mbit/s

95th percentile per-packet one-way delay: 227.021 ms

Loss rate: 1.18%

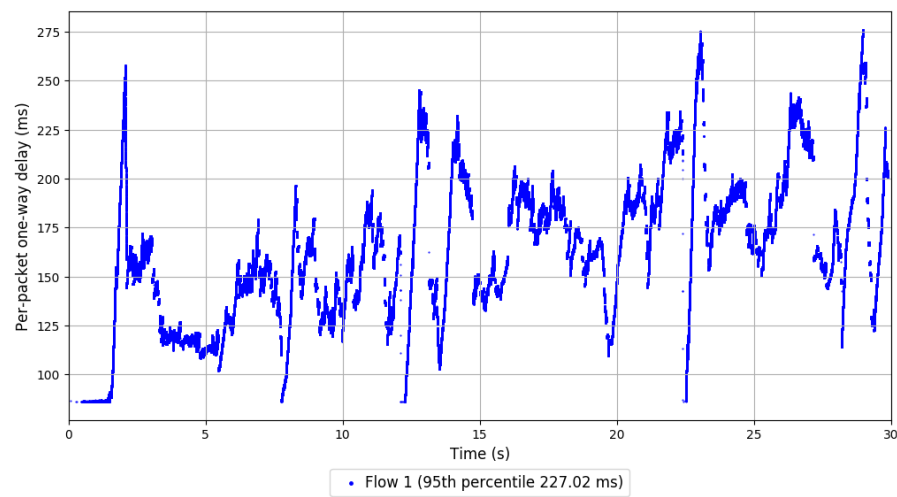
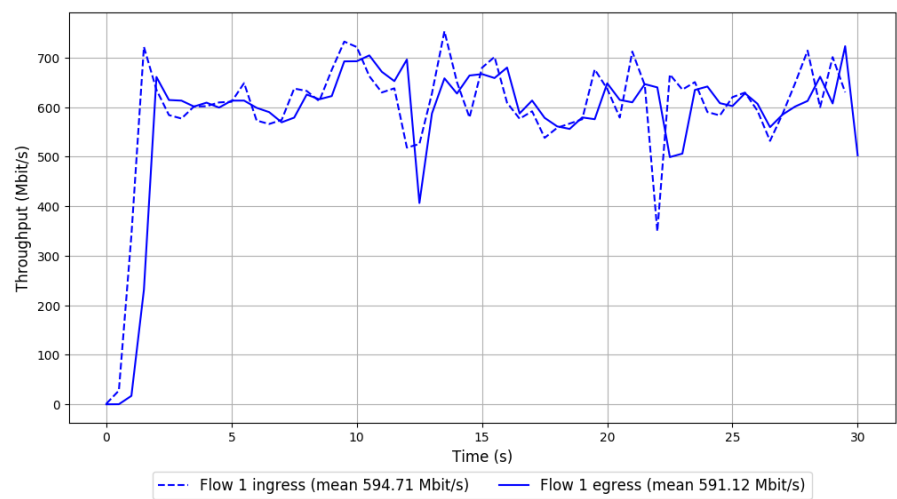
-- Flow 1:

Average throughput: 591.12 Mbit/s

95th percentile per-packet one-way delay: 227.021 ms

Loss rate: 1.18%

Run 9: Report of FillP-Sheep — Data Link

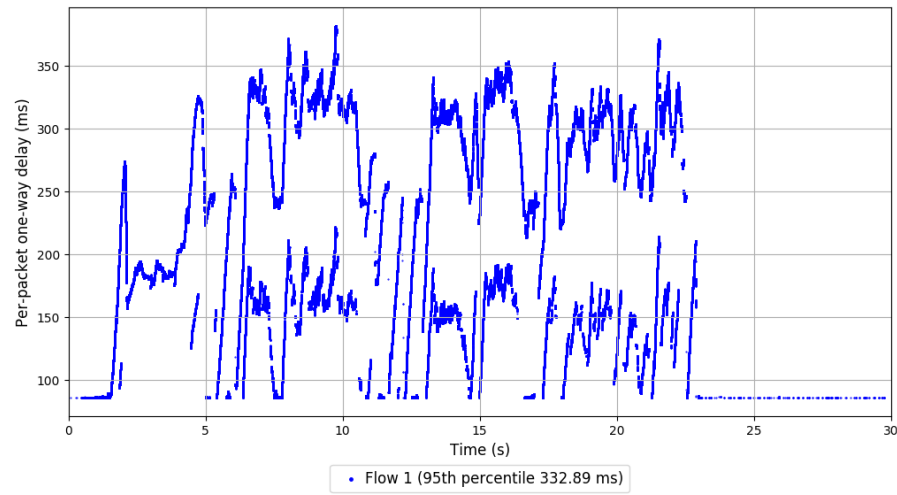
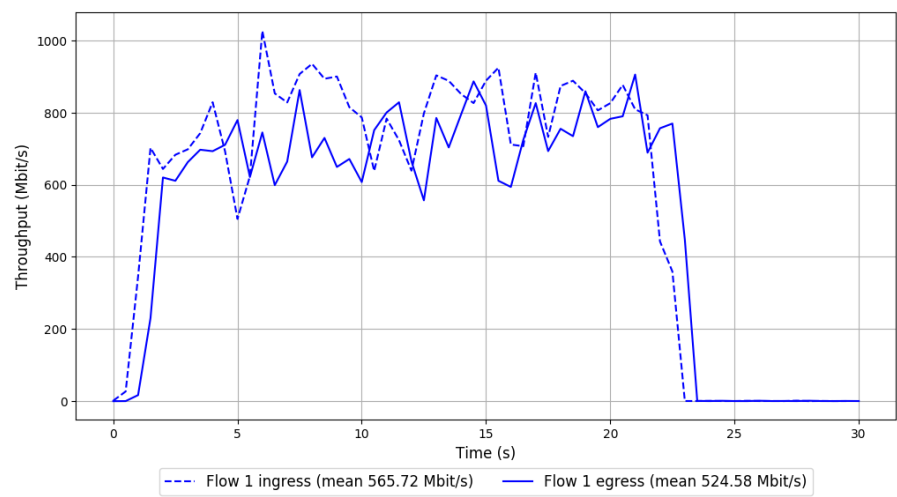


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 13:56:01  
End at: 2018-07-18 13:56:31  
Local clock offset: -0.289 ms  
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-07-18 14:50:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 524.58 Mbit/s  
95th percentile per-packet one-way delay: 332.893 ms  
Loss rate: 8.13%  
-- Flow 1:  
Average throughput: 524.58 Mbit/s  
95th percentile per-packet one-way delay: 332.893 ms  
Loss rate: 8.13%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

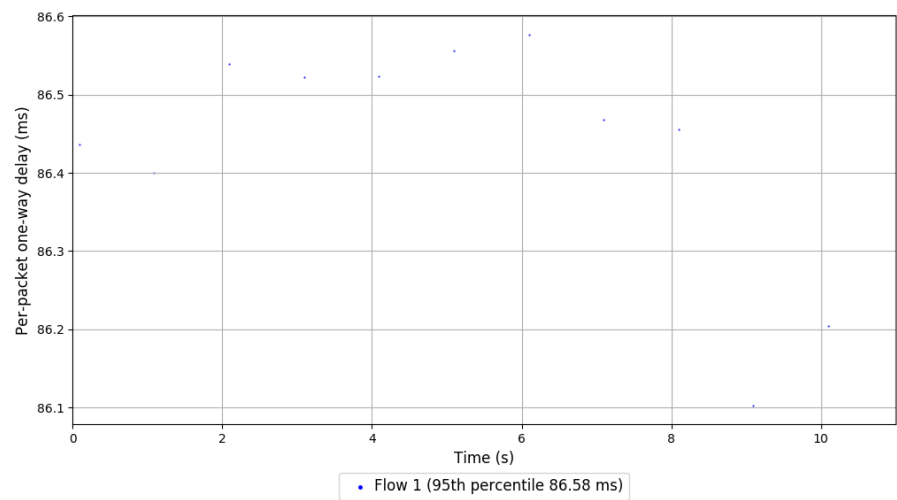
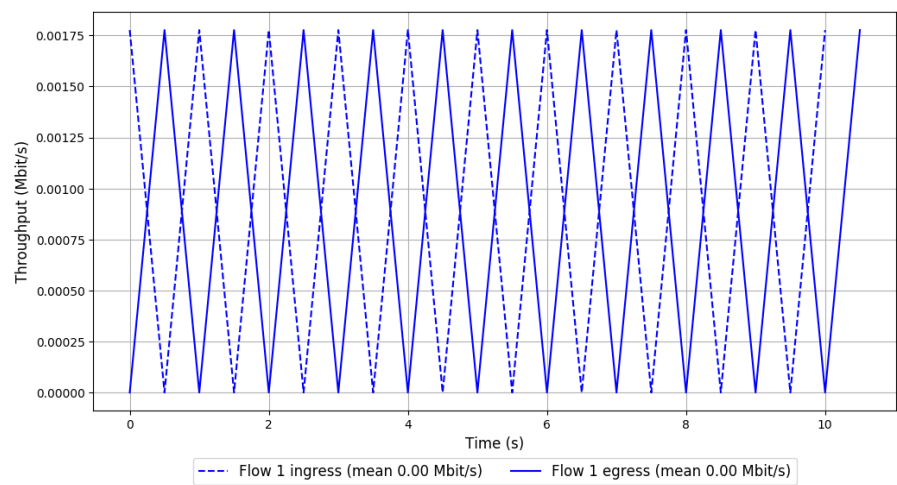
Start at: 2018-07-18 10:31:24

End at: 2018-07-18 10:31:54

Local clock offset: -0.171 ms

Remote clock offset: -0.034 ms

Run 1: Report of Indigo — Data Link

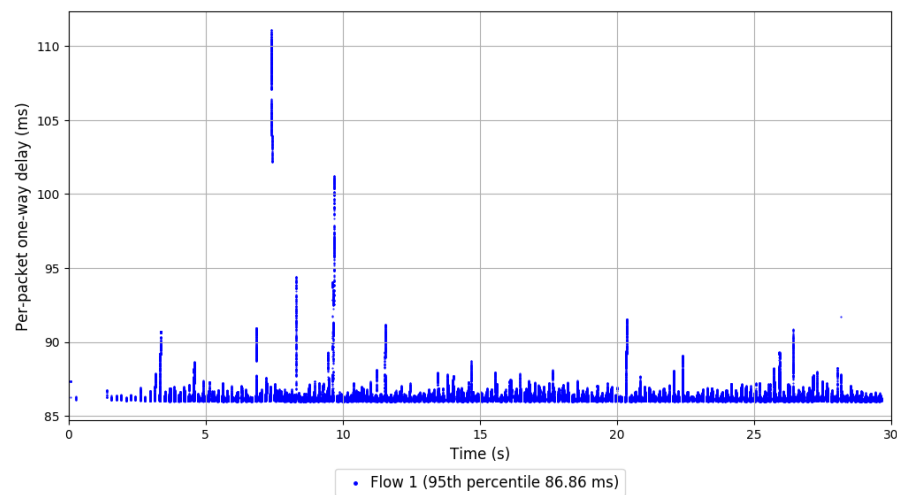
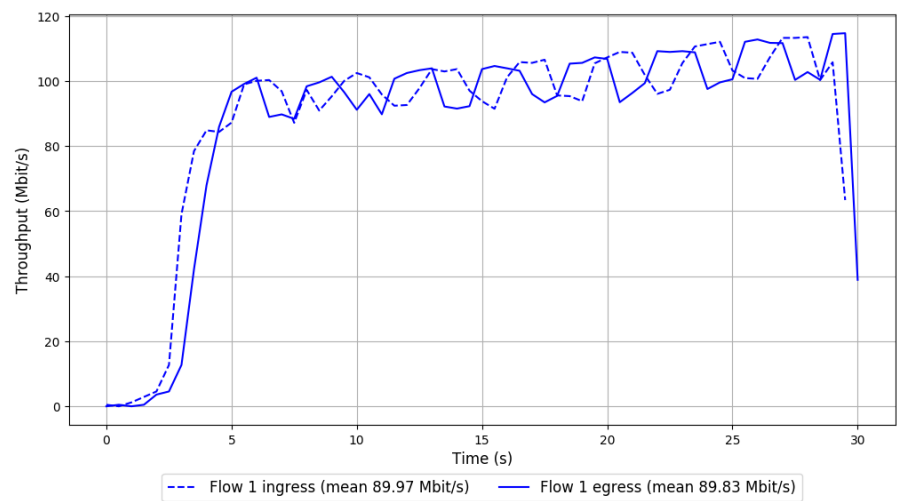


Run 2: Statistics of Indigo

Start at: 2018-07-18 10:53:15  
End at: 2018-07-18 10:53:45  
Local clock offset: -0.039 ms  
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-07-18 14:50:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.83 Mbit/s  
95th percentile per-packet one-way delay: 86.863 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 89.83 Mbit/s  
95th percentile per-packet one-way delay: 86.863 ms  
Loss rate: 0.74%

Run 2: Report of Indigo — Data Link

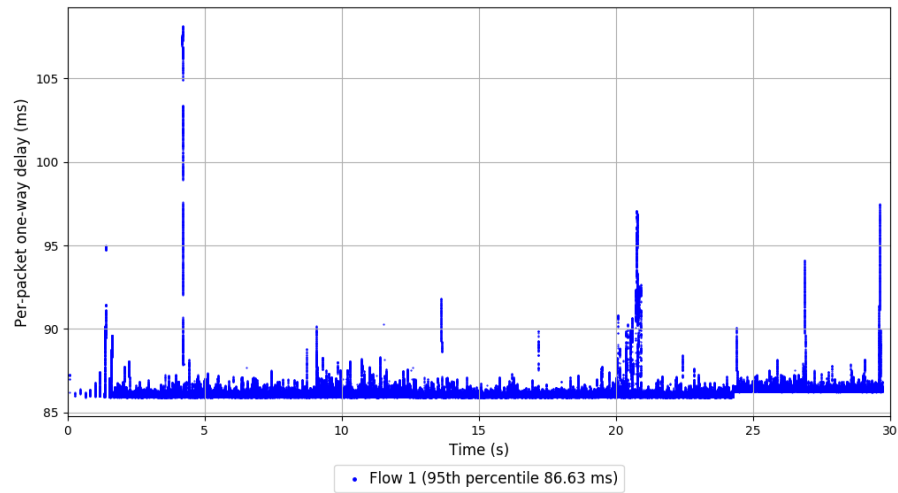
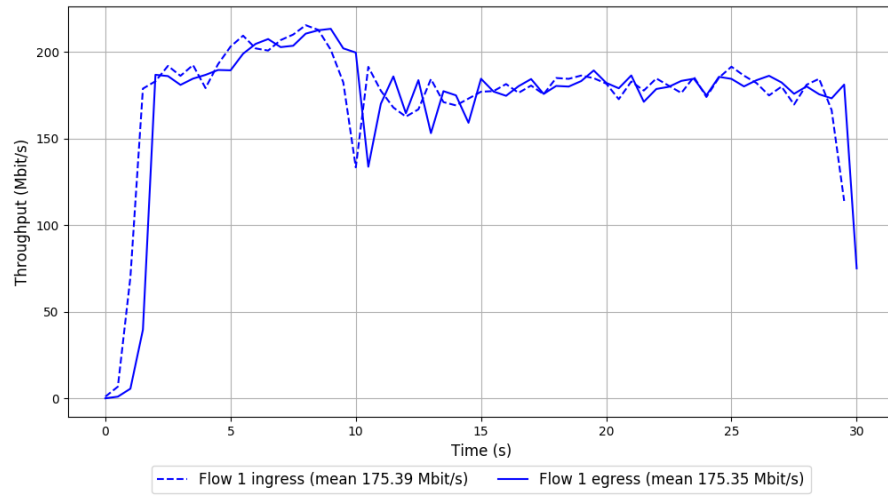


Run 3: Statistics of Indigo

Start at: 2018-07-18 11:15:19  
End at: 2018-07-18 11:15:49  
Local clock offset: -0.215 ms  
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-07-18 14:50:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 175.35 Mbit/s  
95th percentile per-packet one-way delay: 86.632 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 175.35 Mbit/s  
95th percentile per-packet one-way delay: 86.632 ms  
Loss rate: 0.60%

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

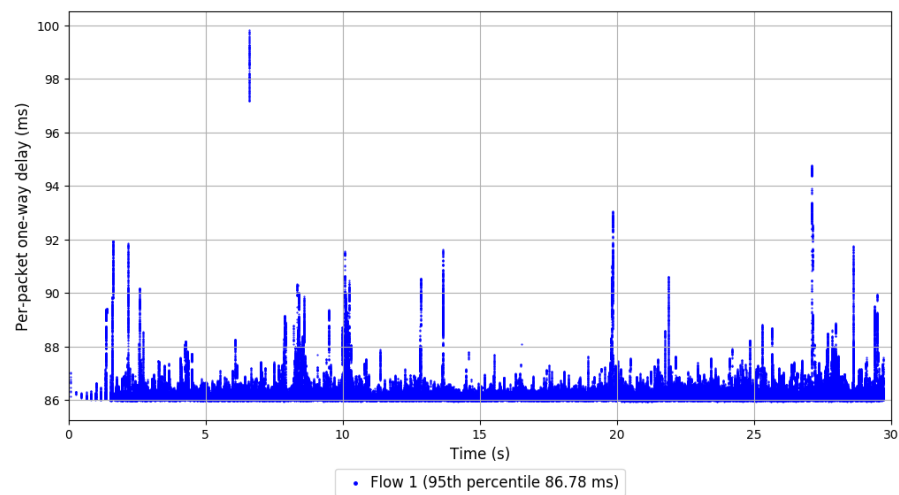
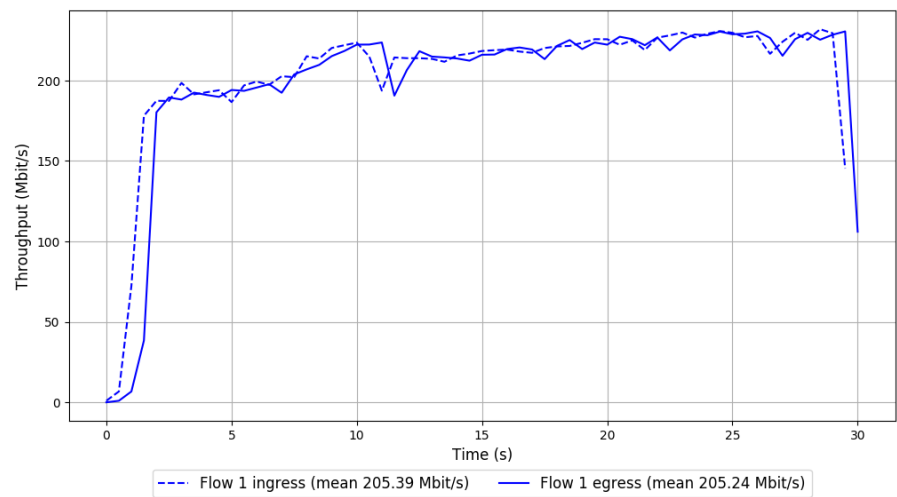


Run 4: Statistics of Indigo

Start at: 2018-07-18 11:36:43  
End at: 2018-07-18 11:37:13  
Local clock offset: -0.151 ms  
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-07-18 14:50:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 205.24 Mbit/s  
95th percentile per-packet one-way delay: 86.779 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 205.24 Mbit/s  
95th percentile per-packet one-way delay: 86.779 ms  
Loss rate: 0.65%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-18 11:58:24

End at: 2018-07-18 11:58:54

Local clock offset: -0.016 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-18 14:50:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 205.56 Mbit/s

95th percentile per-packet one-way delay: 86.758 ms

Loss rate: 0.61%

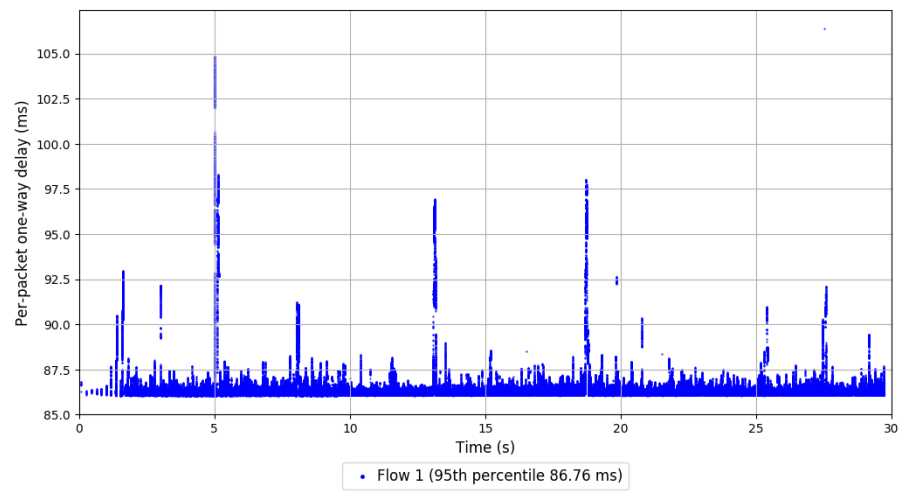
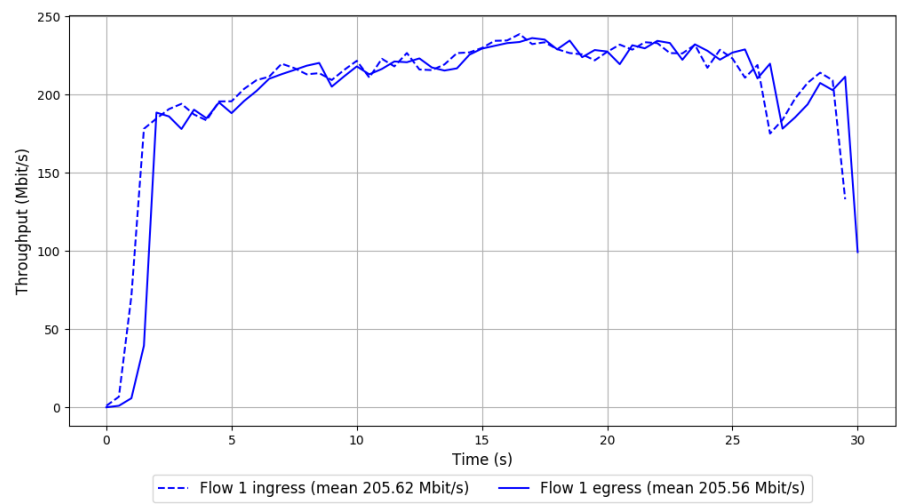
-- Flow 1:

Average throughput: 205.56 Mbit/s

95th percentile per-packet one-way delay: 86.758 ms

Loss rate: 0.61%

Run 5: Report of Indigo — Data Link

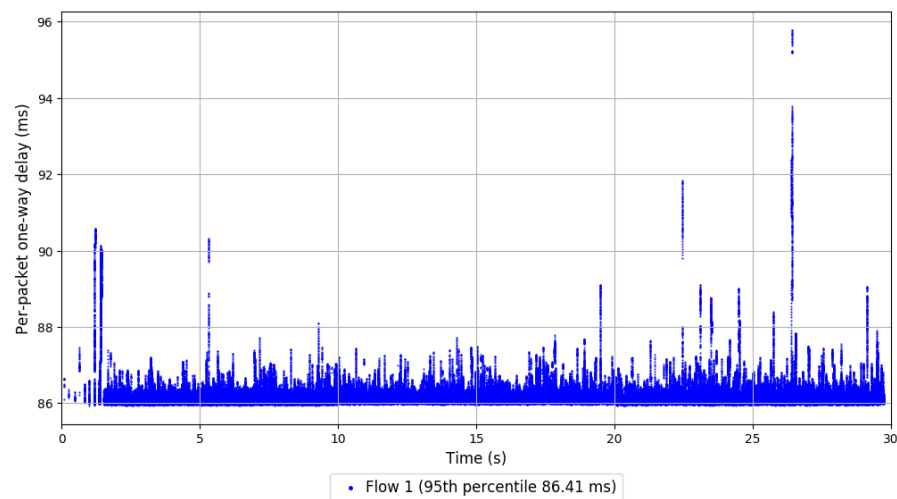
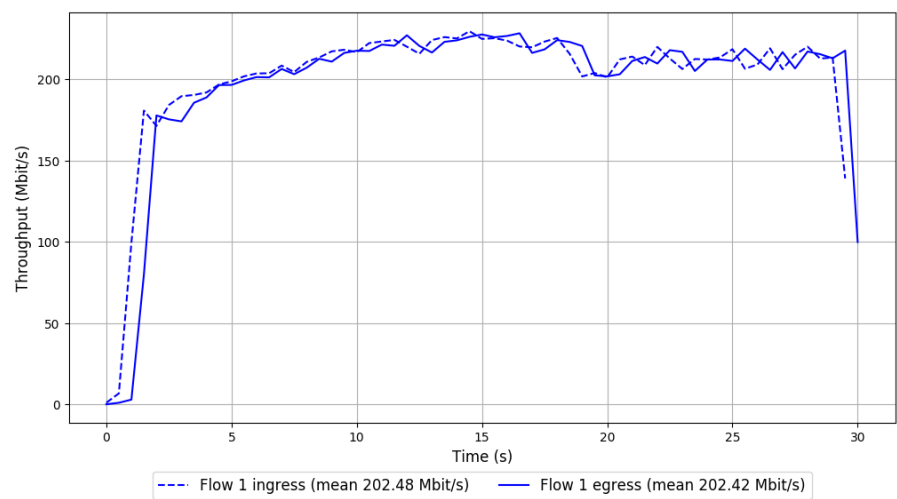


Run 6: Statistics of Indigo

Start at: 2018-07-18 12:20:23  
End at: 2018-07-18 12:20:53  
Local clock offset: -0.131 ms  
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-07-18 14:52:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 202.42 Mbit/s  
95th percentile per-packet one-way delay: 86.410 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 202.42 Mbit/s  
95th percentile per-packet one-way delay: 86.410 ms  
Loss rate: 0.61%

Run 6: Report of Indigo — Data Link

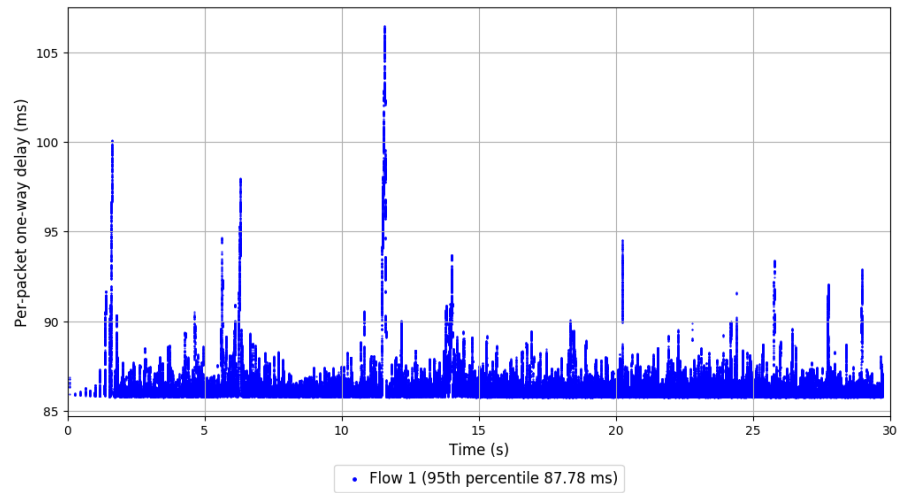
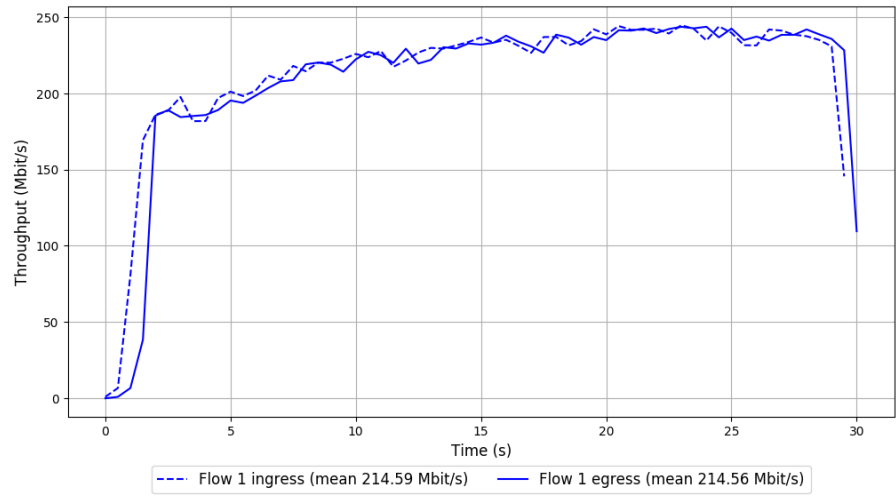


Run 7: Statistics of Indigo

Start at: 2018-07-18 12:42:28  
End at: 2018-07-18 12:42:58  
Local clock offset: -0.26 ms  
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-07-18 14:53:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 214.56 Mbit/s  
95th percentile per-packet one-way delay: 87.778 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 214.56 Mbit/s  
95th percentile per-packet one-way delay: 87.778 ms  
Loss rate: 0.60%

## Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-18 13:04:43

End at: 2018-07-18 13:05:13

Local clock offset: -0.053 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-07-18 14:53:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 185.94 Mbit/s

95th percentile per-packet one-way delay: 87.287 ms

Loss rate: 0.61%

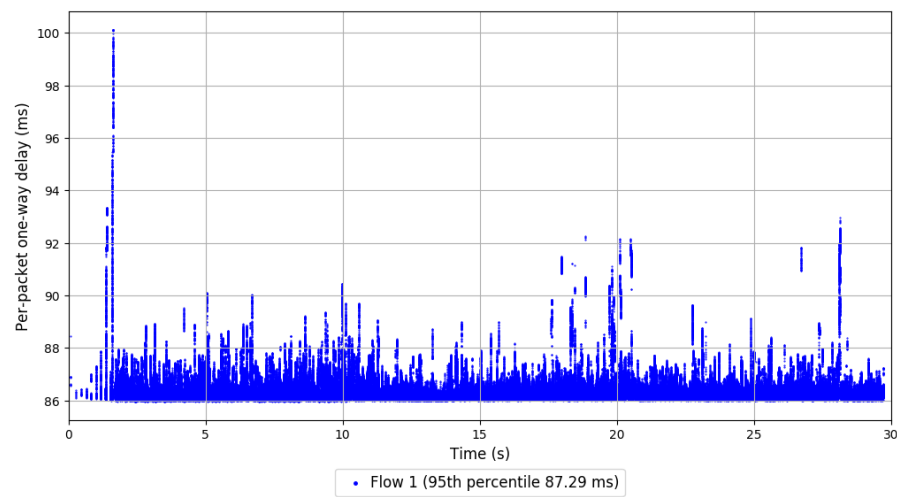
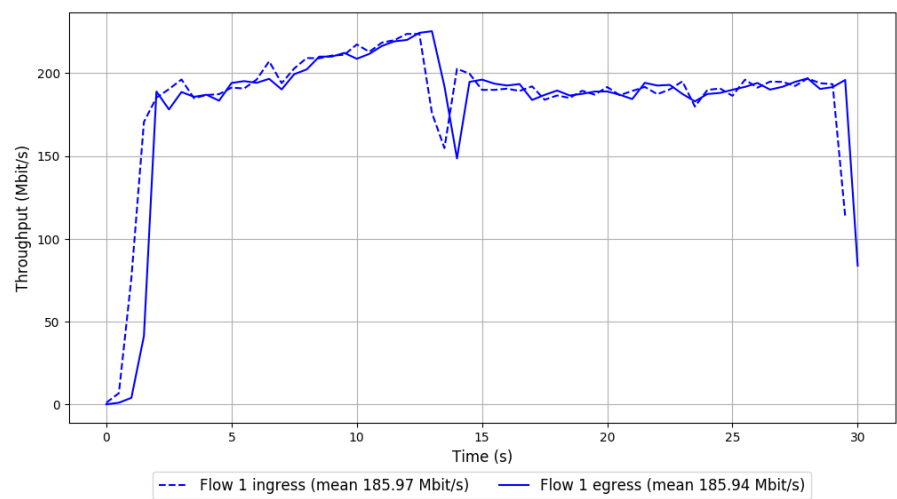
-- Flow 1:

Average throughput: 185.94 Mbit/s

95th percentile per-packet one-way delay: 87.287 ms

Loss rate: 0.61%

Run 8: Report of Indigo — Data Link

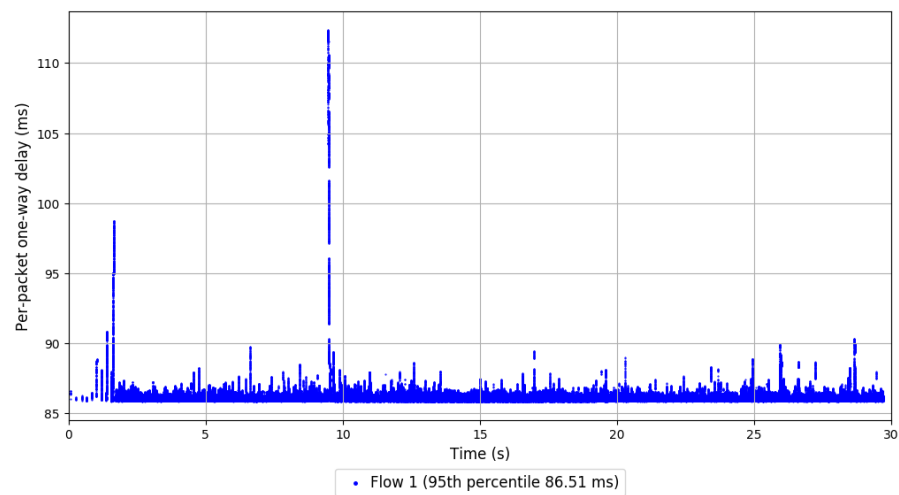
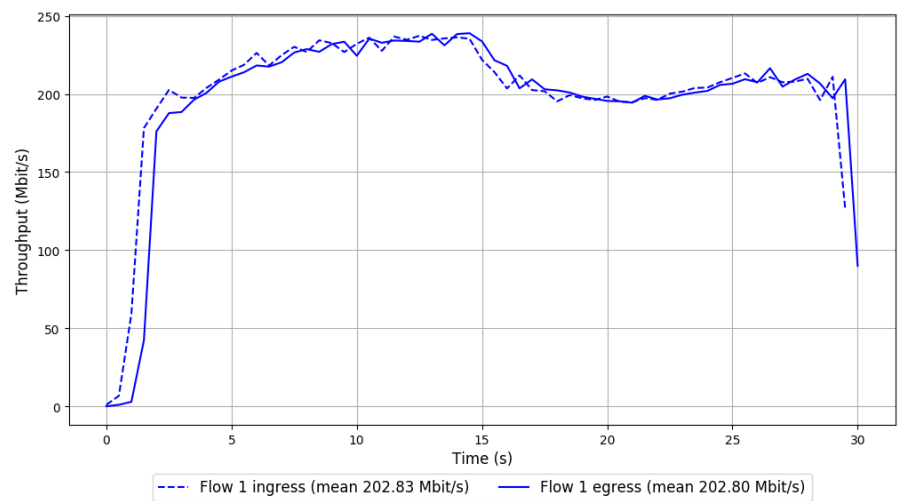


Run 9: Statistics of Indigo

Start at: 2018-07-18 13:26:13  
End at: 2018-07-18 13:26:43  
Local clock offset: -0.188 ms  
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-07-18 14:53:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 202.80 Mbit/s  
95th percentile per-packet one-way delay: 86.508 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 202.80 Mbit/s  
95th percentile per-packet one-way delay: 86.508 ms  
Loss rate: 0.60%

Run 9: Report of Indigo — Data Link

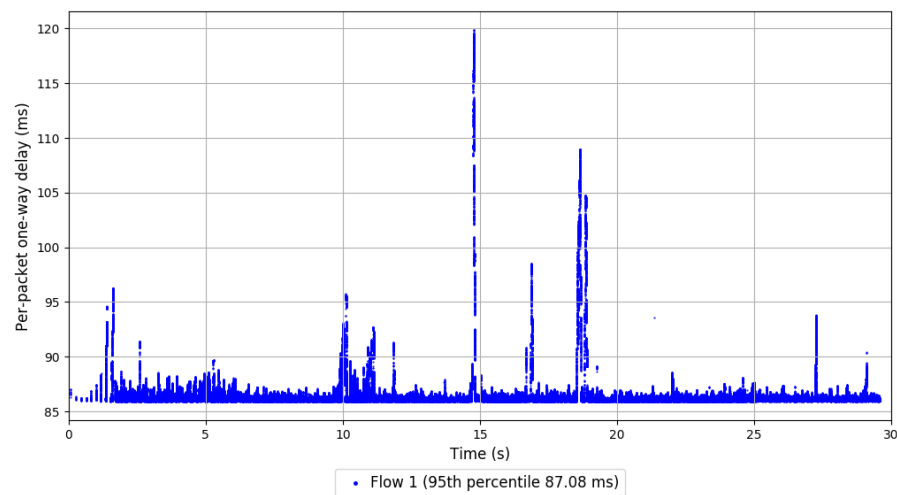
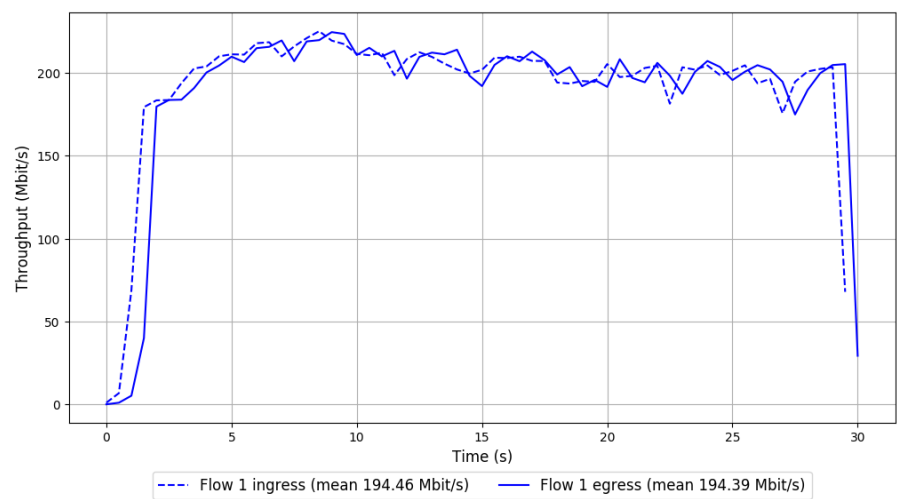


Run 10: Statistics of Indigo

Start at: 2018-07-18 13:48:08  
End at: 2018-07-18 13:48:38  
Local clock offset: -0.146 ms  
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-07-18 14:53:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 194.39 Mbit/s  
95th percentile per-packet one-way delay: 87.076 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 194.39 Mbit/s  
95th percentile per-packet one-way delay: 87.076 ms  
Loss rate: 0.62%

Run 10: Report of Indigo — Data Link

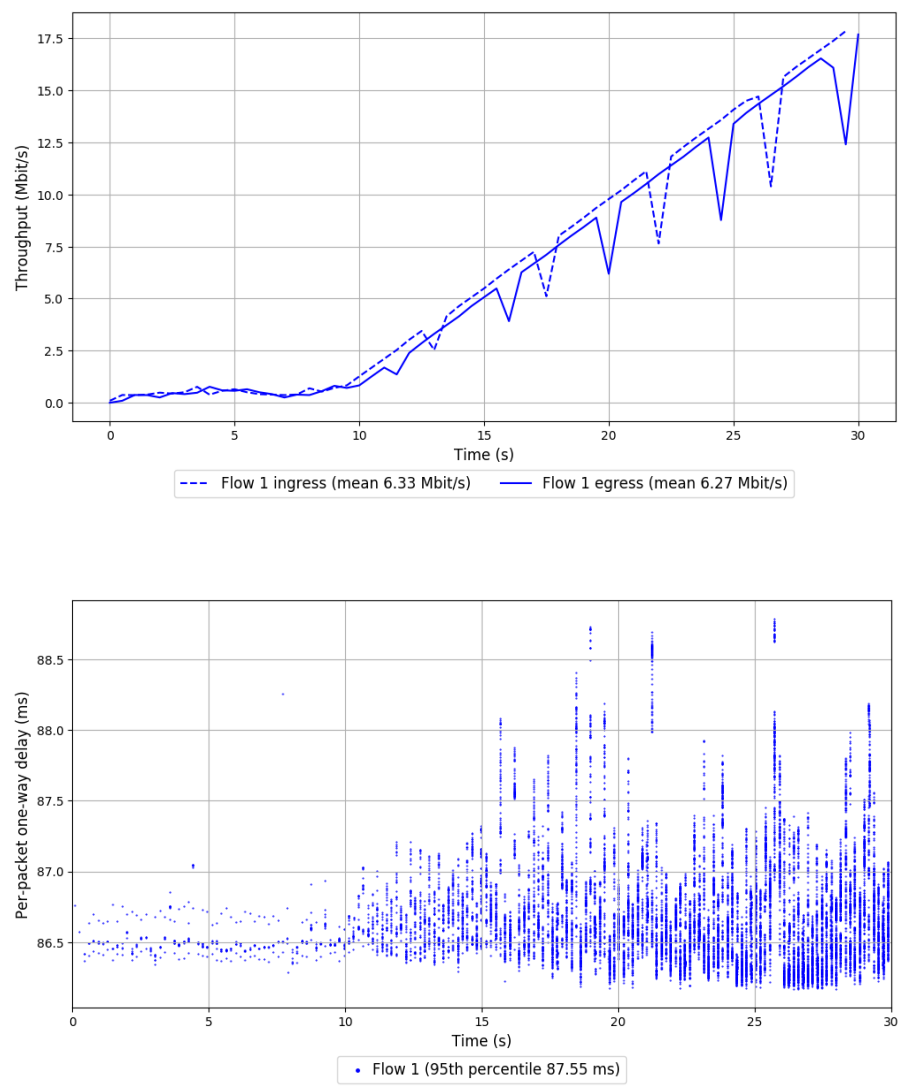


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-18 10:45:54
End at: 2018-07-18 10:46:24
Local clock offset: 0.165 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-07-18 14:53:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 87.550 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 87.550 ms
Loss rate: 1.58%
```

Run 1: Report of LEDBAT — Data Link

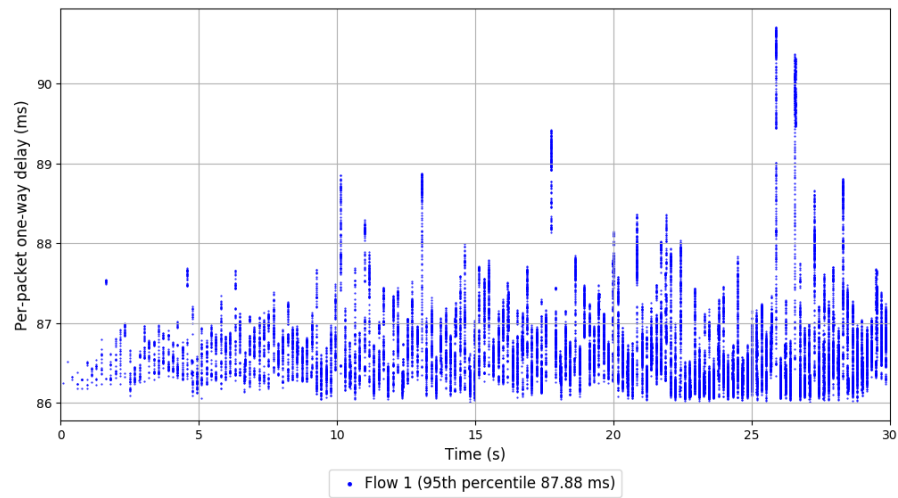
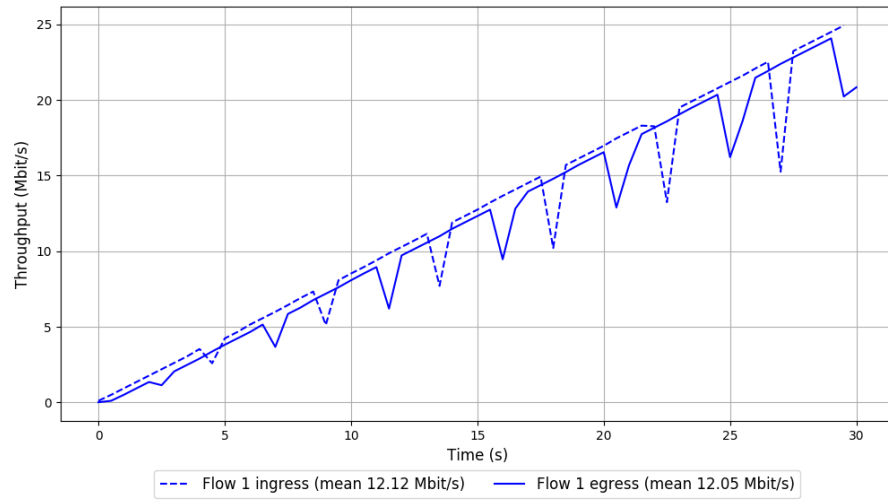


Run 2: Statistics of LEDBAT

Start at: 2018-07-18 11:07:49  
End at: 2018-07-18 11:08:19  
Local clock offset: -0.064 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-07-18 14:53:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.05 Mbit/s  
95th percentile per-packet one-way delay: 87.875 ms  
Loss rate: 1.15%  
-- Flow 1:  
Average throughput: 12.05 Mbit/s  
95th percentile per-packet one-way delay: 87.875 ms  
Loss rate: 1.15%

## Run 2: Report of LEDBAT — Data Link

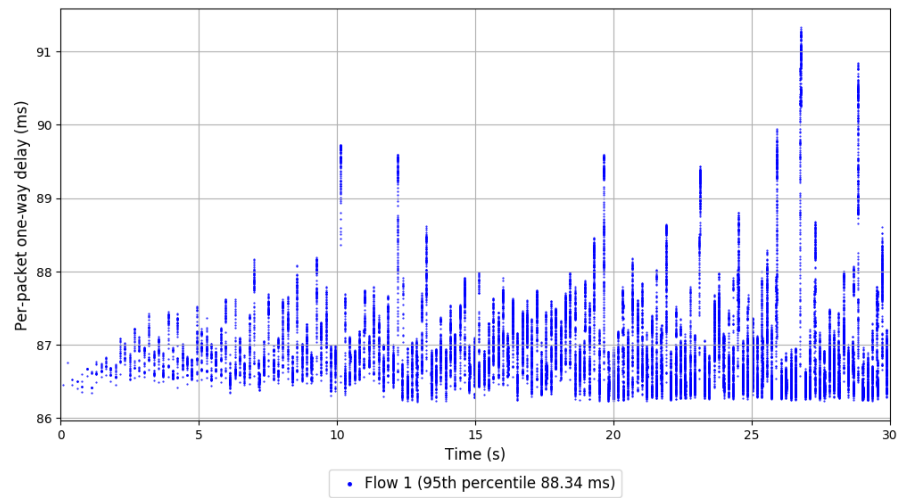
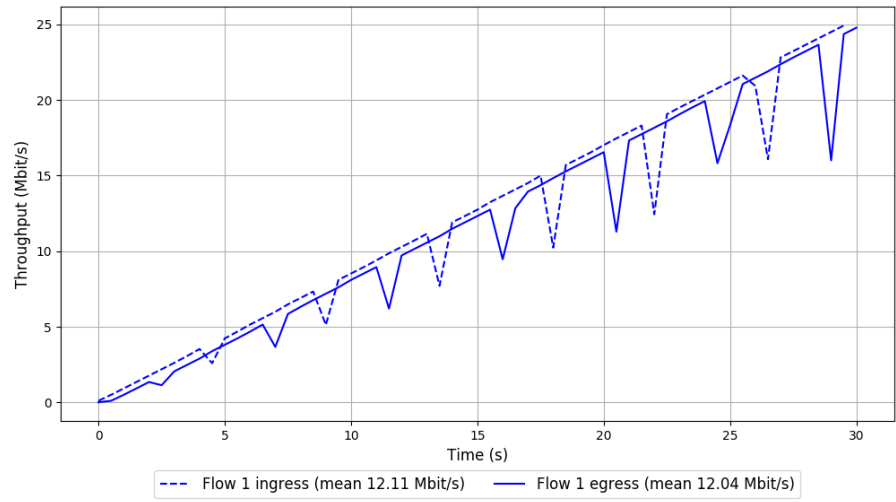


Run 3: Statistics of LEDBAT

Start at: 2018-07-18 11:29:21  
End at: 2018-07-18 11:29:51  
Local clock offset: 0.046 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-07-18 14:53:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.04 Mbit/s  
95th percentile per-packet one-way delay: 88.342 ms  
Loss rate: 1.15%  
-- Flow 1:  
Average throughput: 12.04 Mbit/s  
95th percentile per-packet one-way delay: 88.342 ms  
Loss rate: 1.15%

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

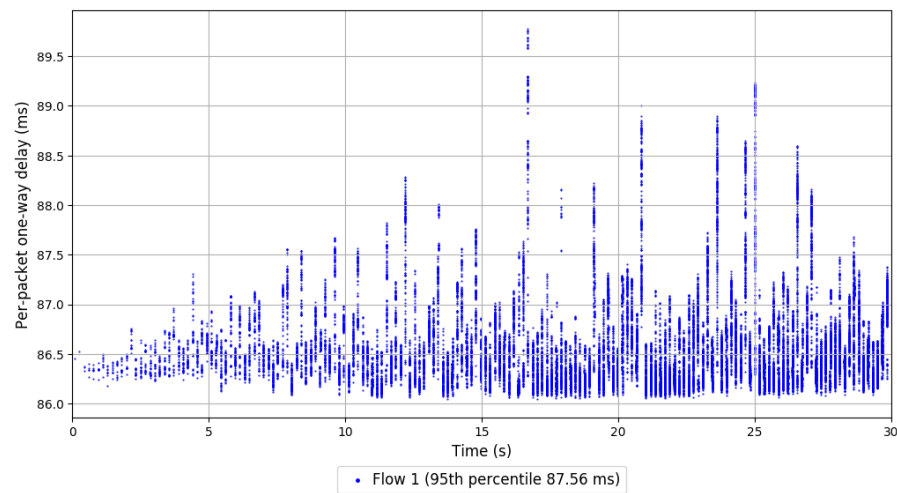
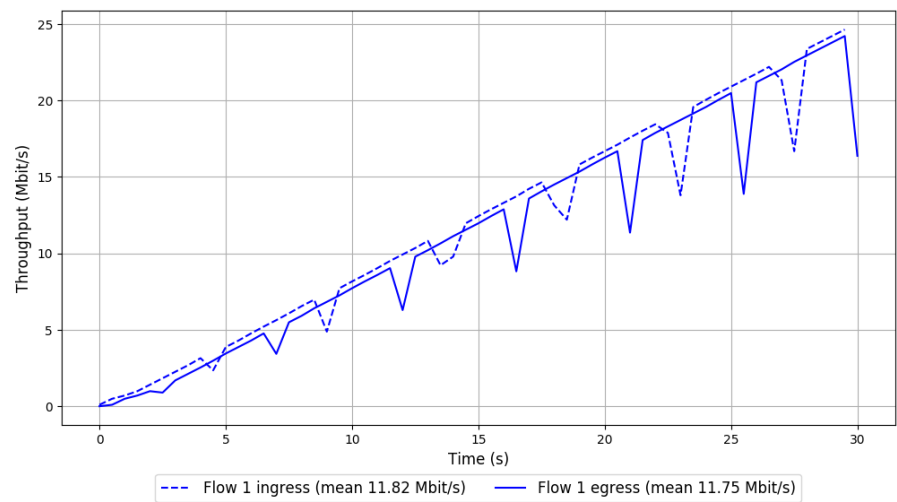


Run 4: Statistics of LEDBAT

Start at: 2018-07-18 11:50:58  
End at: 2018-07-18 11:51:28  
Local clock offset: -0.04 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-07-18 14:53:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.75 Mbit/s  
95th percentile per-packet one-way delay: 87.565 ms  
Loss rate: 1.17%  
-- Flow 1:  
Average throughput: 11.75 Mbit/s  
95th percentile per-packet one-way delay: 87.565 ms  
Loss rate: 1.17%

Run 4: Report of LEDBAT — Data Link

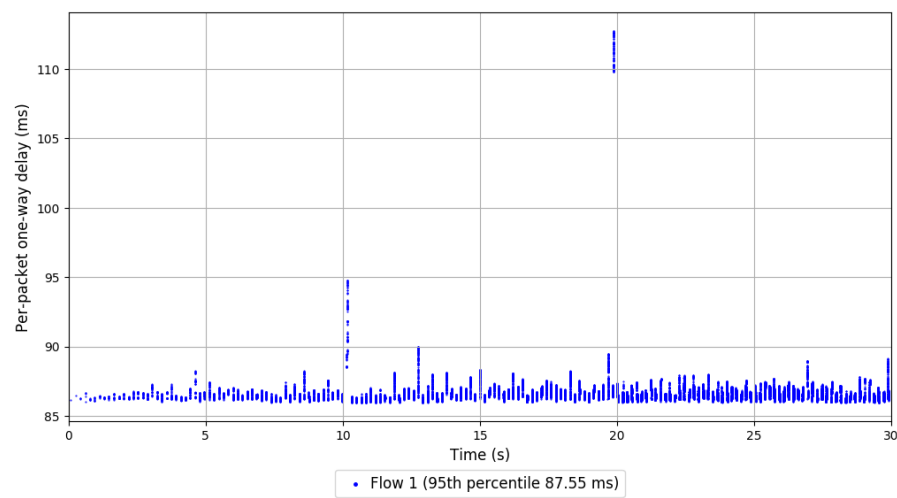
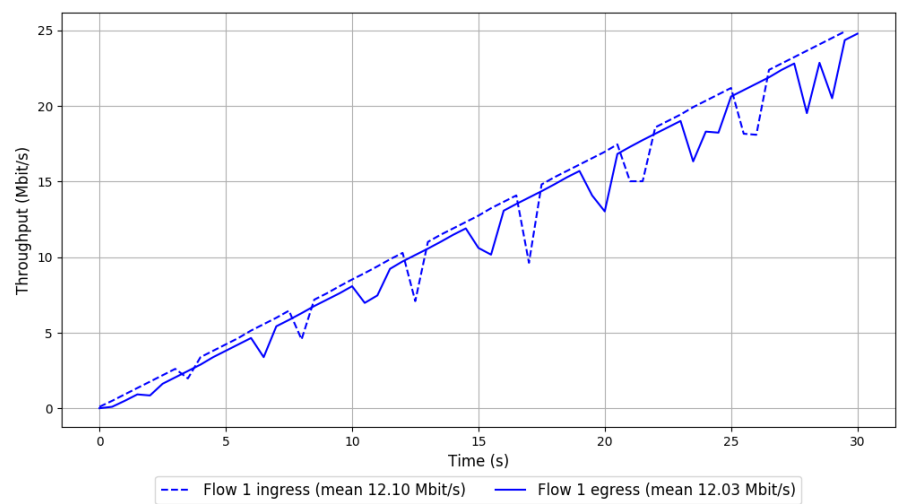


Run 5: Statistics of LEDBAT

Start at: 2018-07-18 12:13:03  
End at: 2018-07-18 12:13:33  
Local clock offset: -0.152 ms  
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-07-18 14:53:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.03 Mbit/s  
95th percentile per-packet one-way delay: 87.550 ms  
Loss rate: 1.15%  
-- Flow 1:  
Average throughput: 12.03 Mbit/s  
95th percentile per-packet one-way delay: 87.550 ms  
Loss rate: 1.15%

Run 5: Report of LEDBAT — Data Link

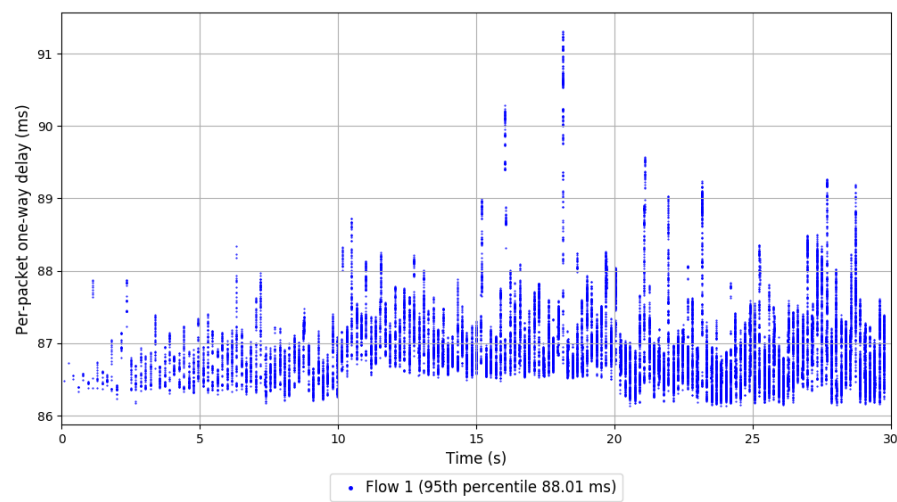
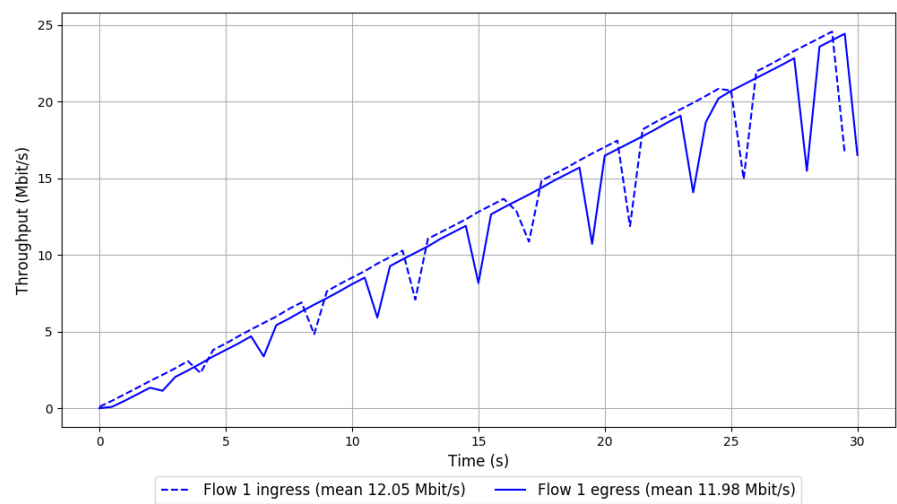


Run 6: Statistics of LEDBAT

Start at: 2018-07-18 12:35:03  
End at: 2018-07-18 12:35:33  
Local clock offset: 0.05 ms  
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-07-18 14:53:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.98 Mbit/s  
95th percentile per-packet one-way delay: 88.010 ms  
Loss rate: 1.16%  
-- Flow 1:  
Average throughput: 11.98 Mbit/s  
95th percentile per-packet one-way delay: 88.010 ms  
Loss rate: 1.16%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-18 12:57:18

End at: 2018-07-18 12:57:48

Local clock offset: -0.14 ms

Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-07-18 14:53:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 87.527 ms

Loss rate: 1.24%

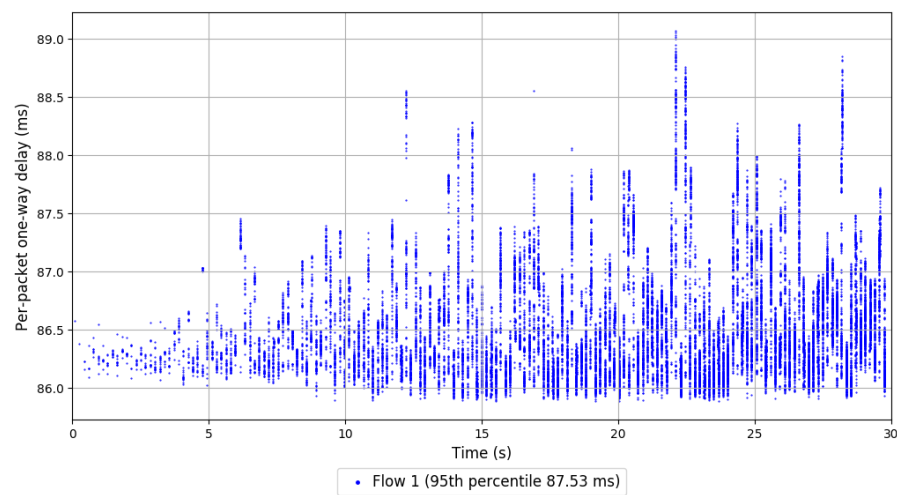
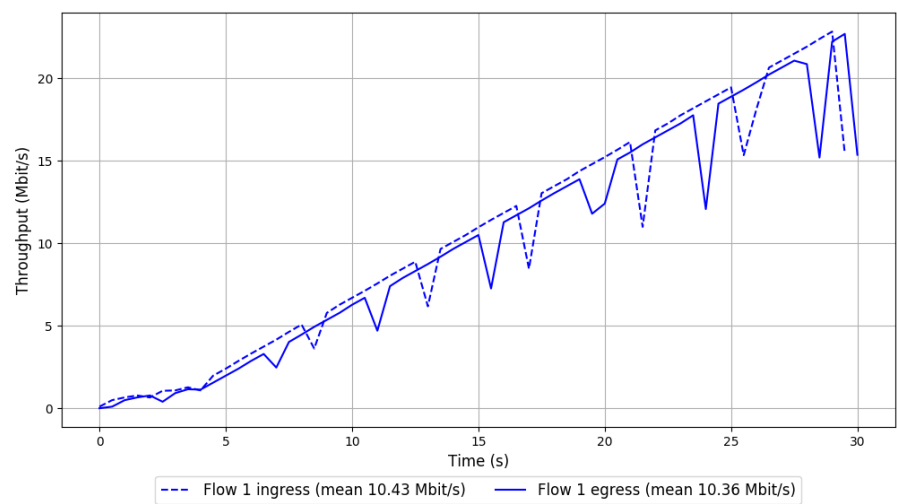
-- Flow 1:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 87.527 ms

Loss rate: 1.24%

Run 7: Report of LEDBAT — Data Link

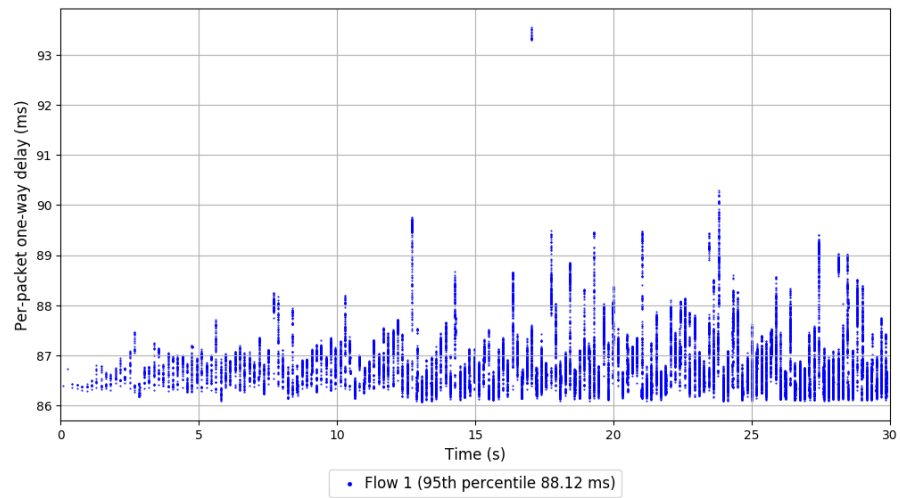
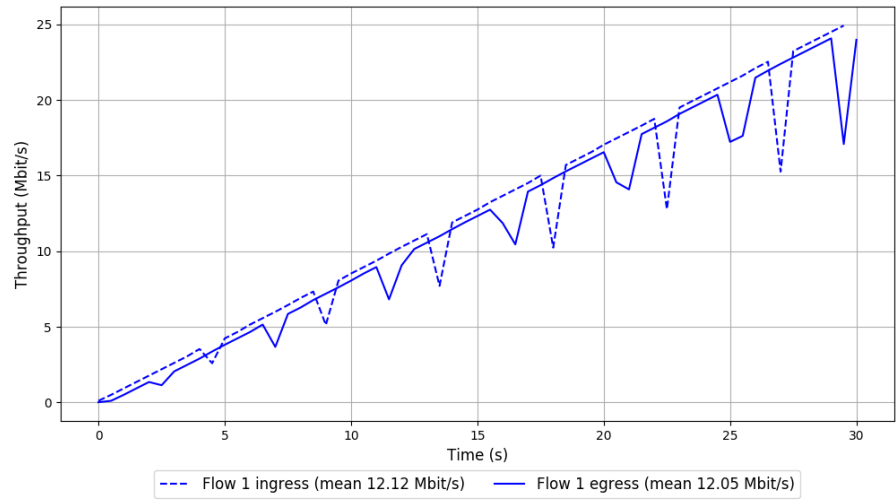


Run 8: Statistics of LEDBAT

Start at: 2018-07-18 13:18:49  
End at: 2018-07-18 13:19:19  
Local clock offset: 0.017 ms  
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-07-18 14:53:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.05 Mbit/s  
95th percentile per-packet one-way delay: 88.118 ms  
Loss rate: 1.15%  
-- Flow 1:  
Average throughput: 12.05 Mbit/s  
95th percentile per-packet one-way delay: 88.118 ms  
Loss rate: 1.15%

# Run 8: Report of LEDBAT — Data Link

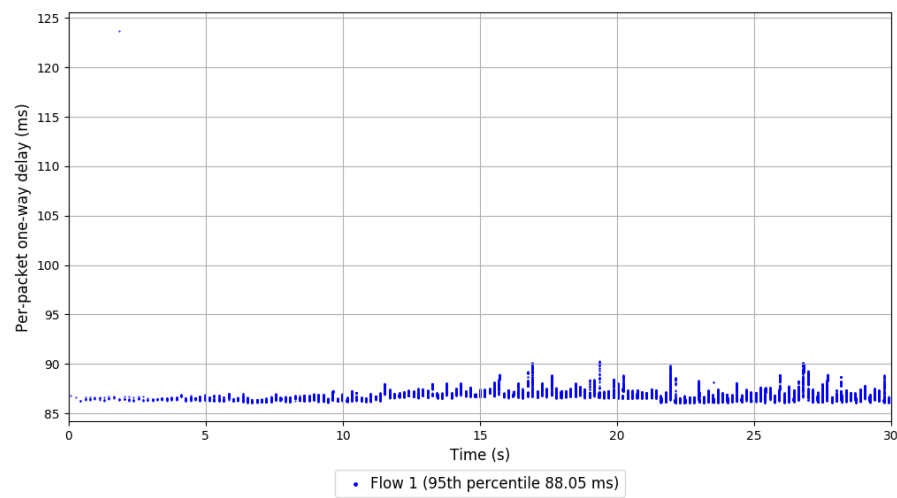
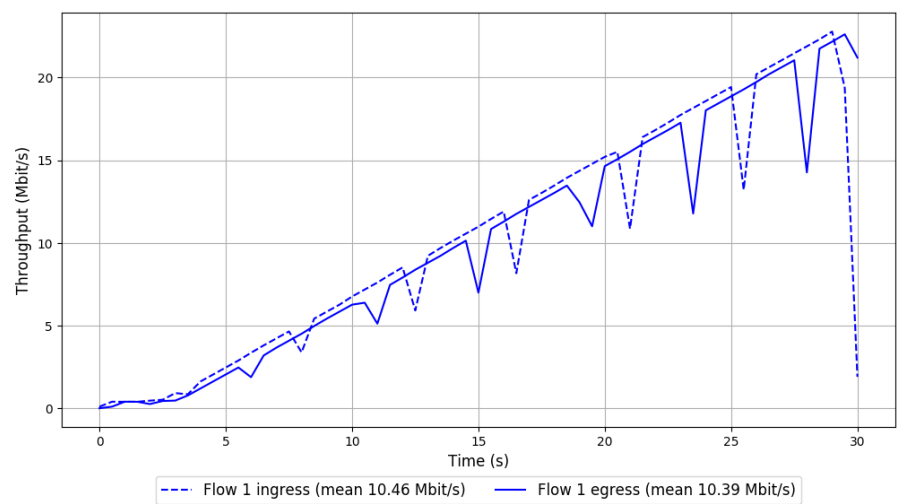


Run 9: Statistics of LEDBAT

Start at: 2018-07-18 13:40:52  
End at: 2018-07-18 13:41:22  
Local clock offset: 0.01 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-07-18 14:53:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.39 Mbit/s  
95th percentile per-packet one-way delay: 88.050 ms  
Loss rate: 1.23%  
-- Flow 1:  
Average throughput: 10.39 Mbit/s  
95th percentile per-packet one-way delay: 88.050 ms  
Loss rate: 1.23%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-18 14:02:37

End at: 2018-07-18 14:03:07

Local clock offset: -0.195 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-07-18 14:53:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 88.128 ms

Loss rate: 1.15%

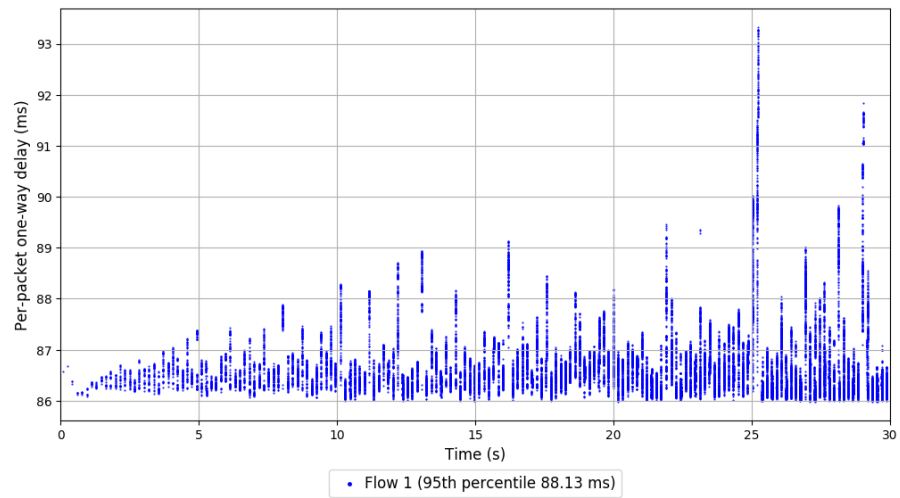
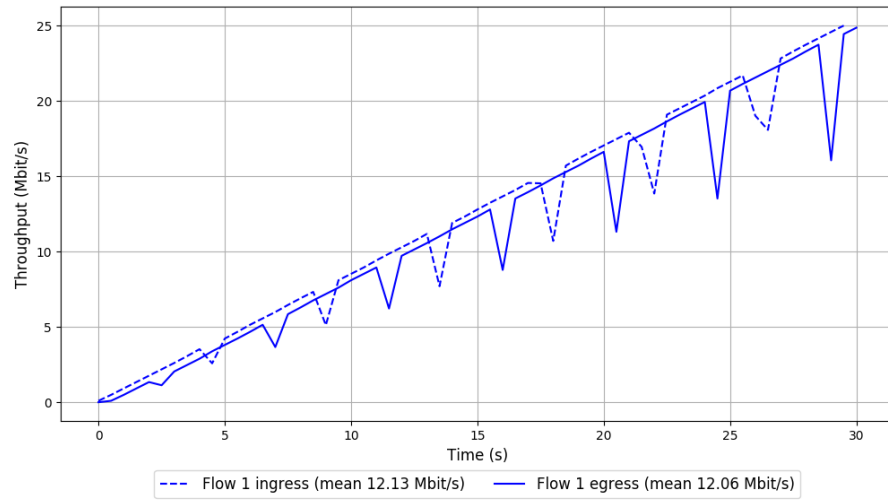
-- Flow 1:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 88.128 ms

Loss rate: 1.15%

# Run 10: Report of LEDBAT — Data Link

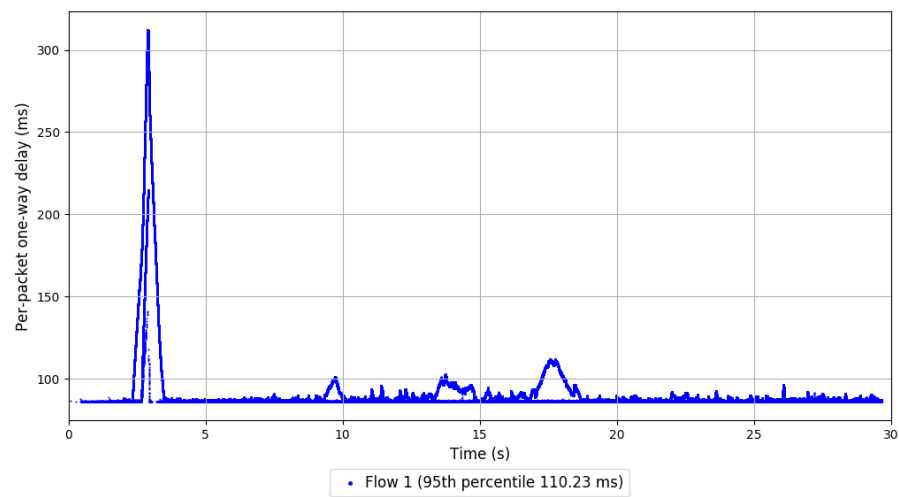
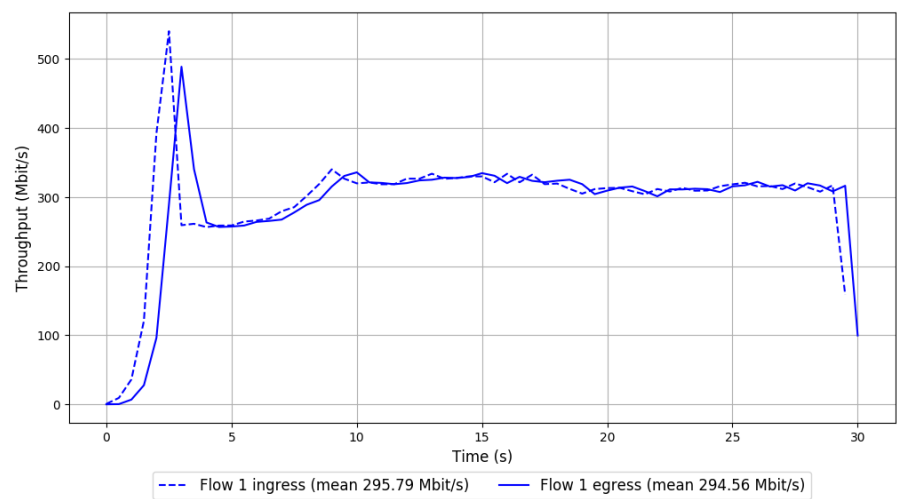


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 10:37:46
End at: 2018-07-18 10:38:16
Local clock offset: 0.009 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-07-18 14:57:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.56 Mbit/s
95th percentile per-packet one-way delay: 110.226 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 294.56 Mbit/s
95th percentile per-packet one-way delay: 110.226 ms
Loss rate: 1.00%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 10:59:44

End at: 2018-07-18 11:00:14

Local clock offset: 0.006 ms

Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-07-18 14:57:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 303.26 Mbit/s

95th percentile per-packet one-way delay: 122.325 ms

Loss rate: 1.17%

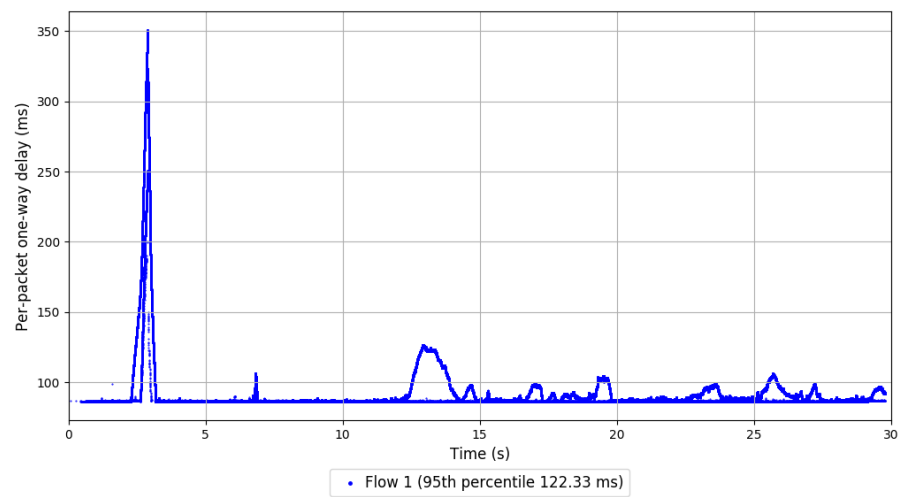
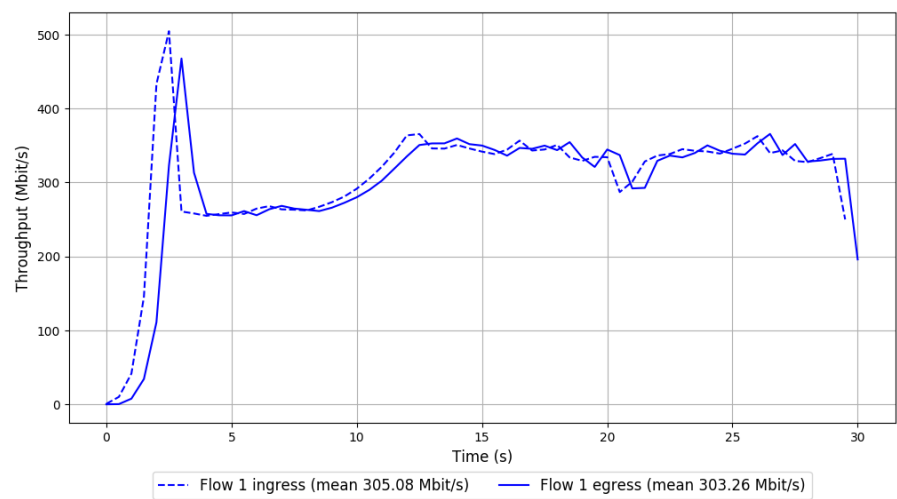
-- Flow 1:

Average throughput: 303.26 Mbit/s

95th percentile per-packet one-way delay: 122.325 ms

Loss rate: 1.17%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 11:21:55

End at: 2018-07-18 11:22:25

Local clock offset: 0.029 ms

Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-07-18 14:57:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 291.57 Mbit/s

95th percentile per-packet one-way delay: 137.738 ms

Loss rate: 1.06%

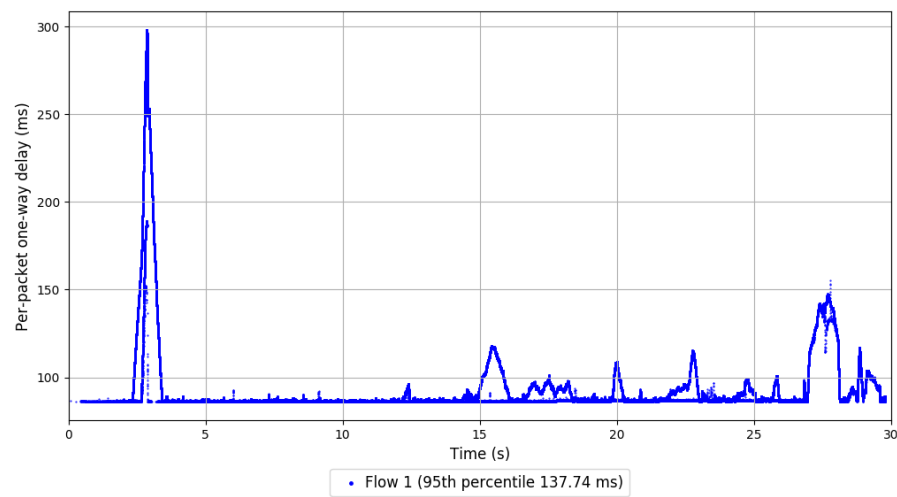
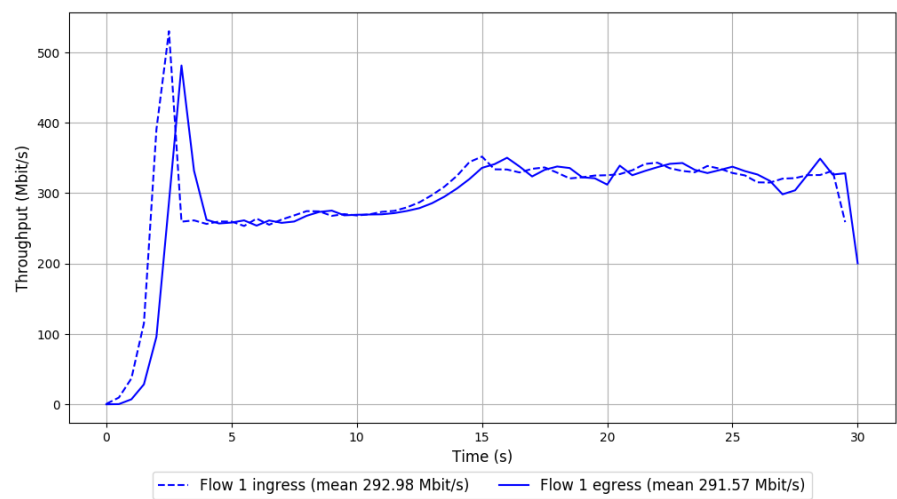
-- Flow 1:

Average throughput: 291.57 Mbit/s

95th percentile per-packet one-way delay: 137.738 ms

Loss rate: 1.06%

Run 3: Report of PCC-Allegro — Data Link

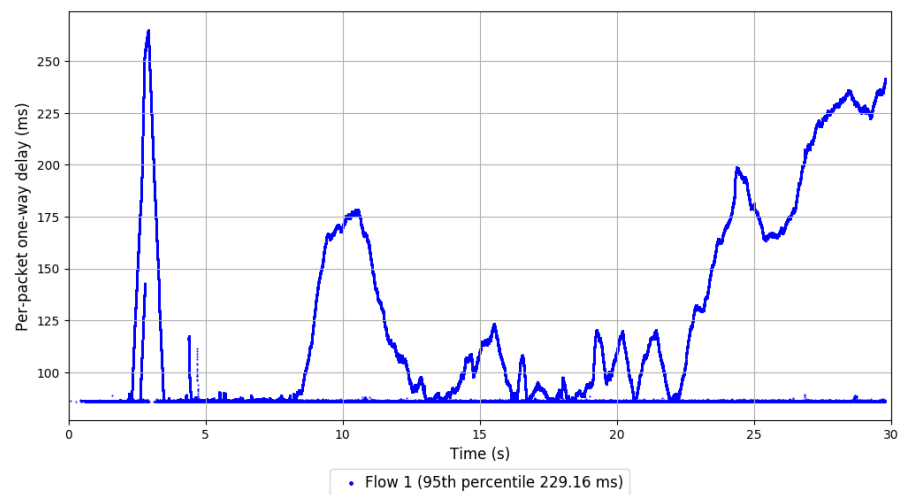
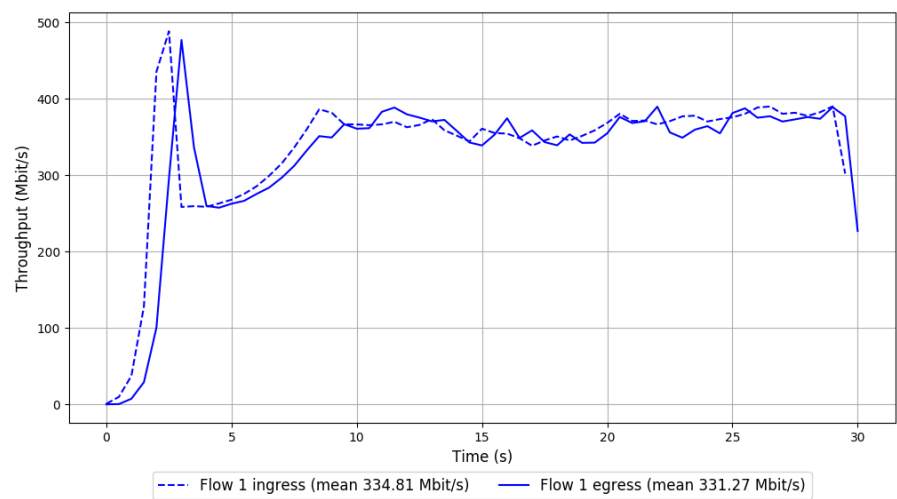


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 11:43:19  
End at: 2018-07-18 11:43:49  
Local clock offset: -0.249 ms  
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-07-18 14:58:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 331.27 Mbit/s  
95th percentile per-packet one-way delay: 229.163 ms  
Loss rate: 1.63%  
-- Flow 1:  
Average throughput: 331.27 Mbit/s  
95th percentile per-packet one-way delay: 229.163 ms  
Loss rate: 1.63%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 12:04:57

End at: 2018-07-18 12:05:27

Local clock offset: 0.077 ms

Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-07-18 14:59:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 333.60 Mbit/s

95th percentile per-packet one-way delay: 188.150 ms

Loss rate: 0.90%

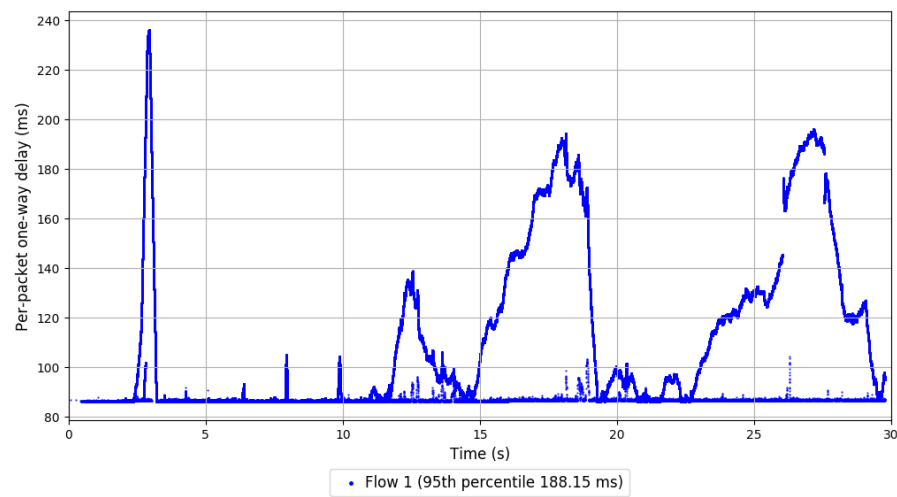
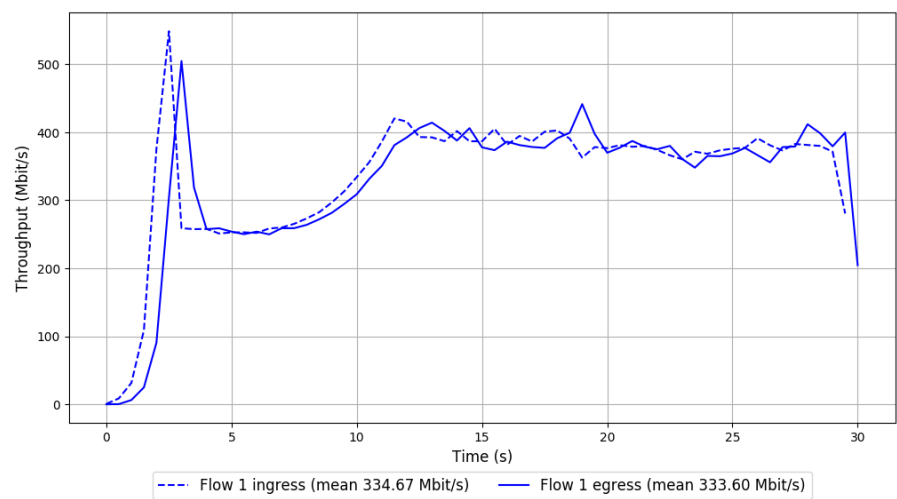
-- Flow 1:

Average throughput: 333.60 Mbit/s

95th percentile per-packet one-way delay: 188.150 ms

Loss rate: 0.90%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 12:26:57

End at: 2018-07-18 12:27:27

Local clock offset: -0.074 ms

Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-07-18 14:59:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 294.71 Mbit/s

95th percentile per-packet one-way delay: 116.745 ms

Loss rate: 1.29%

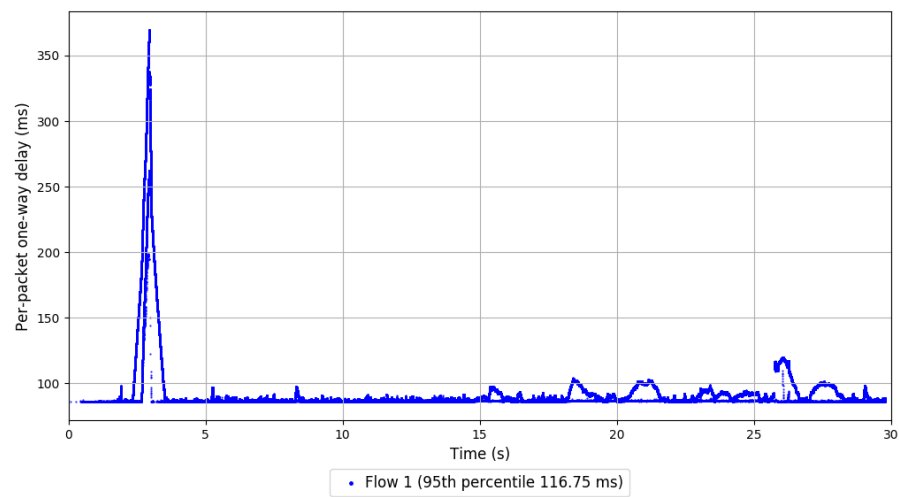
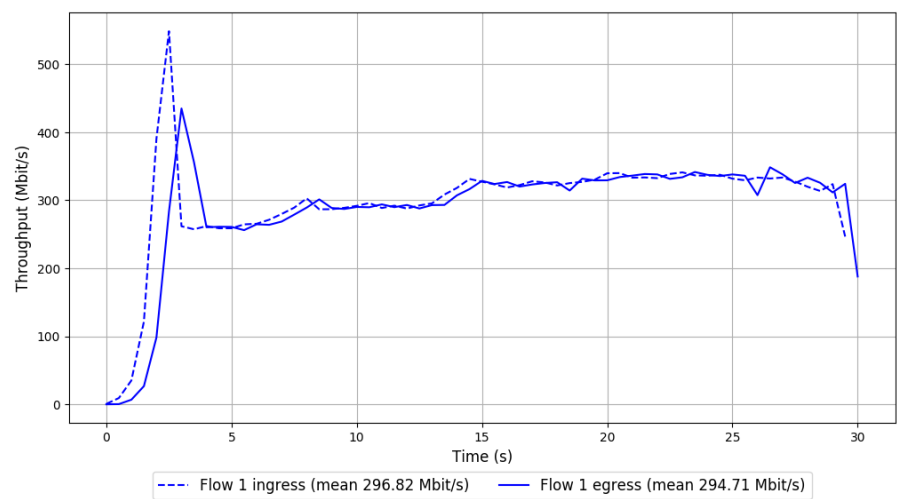
-- Flow 1:

Average throughput: 294.71 Mbit/s

95th percentile per-packet one-way delay: 116.745 ms

Loss rate: 1.29%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 12:49:12

End at: 2018-07-18 12:49:42

Local clock offset: -0.25 ms

Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-07-18 14:59:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 309.20 Mbit/s

95th percentile per-packet one-way delay: 129.242 ms

Loss rate: 1.01%

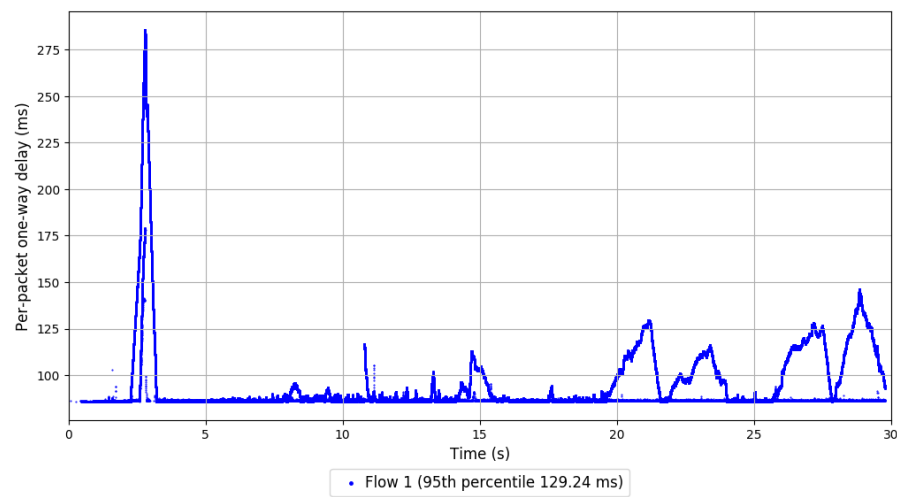
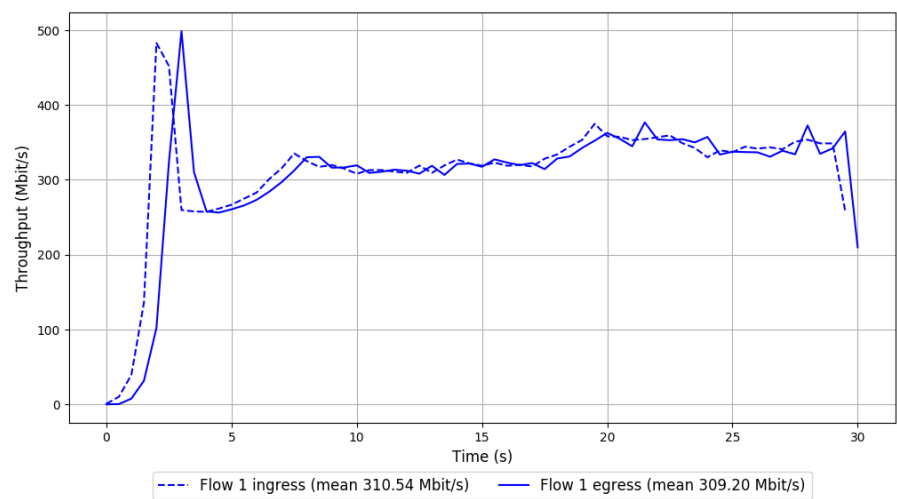
-- Flow 1:

Average throughput: 309.20 Mbit/s

95th percentile per-packet one-way delay: 129.242 ms

Loss rate: 1.01%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 13:11:22

End at: 2018-07-18 13:11:52

Local clock offset: -0.207 ms

Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-07-18 14:59:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 317.83 Mbit/s

95th percentile per-packet one-way delay: 169.023 ms

Loss rate: 0.96%

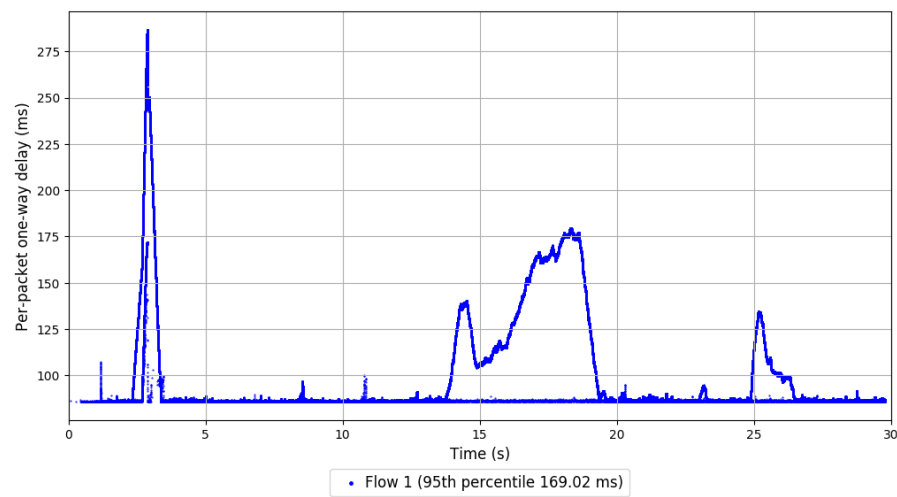
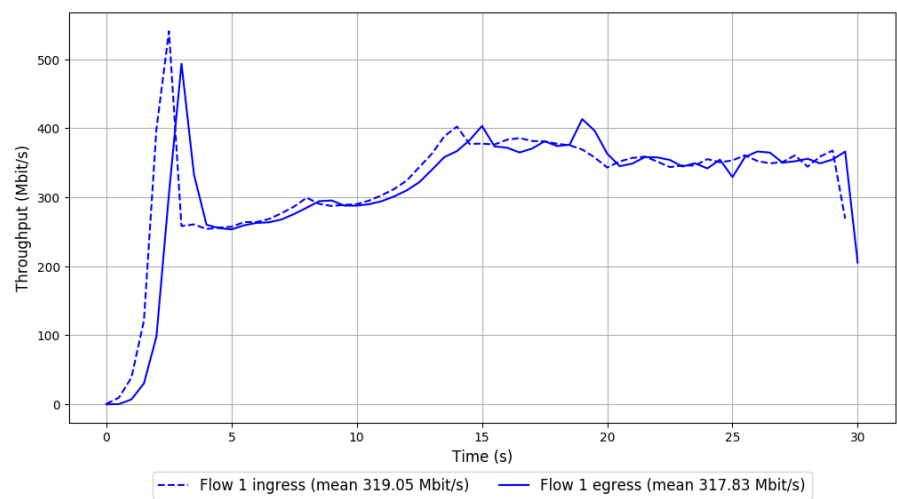
-- Flow 1:

Average throughput: 317.83 Mbit/s

95th percentile per-packet one-way delay: 169.023 ms

Loss rate: 0.96%

Run 8: Report of PCC-Allegro — Data Link

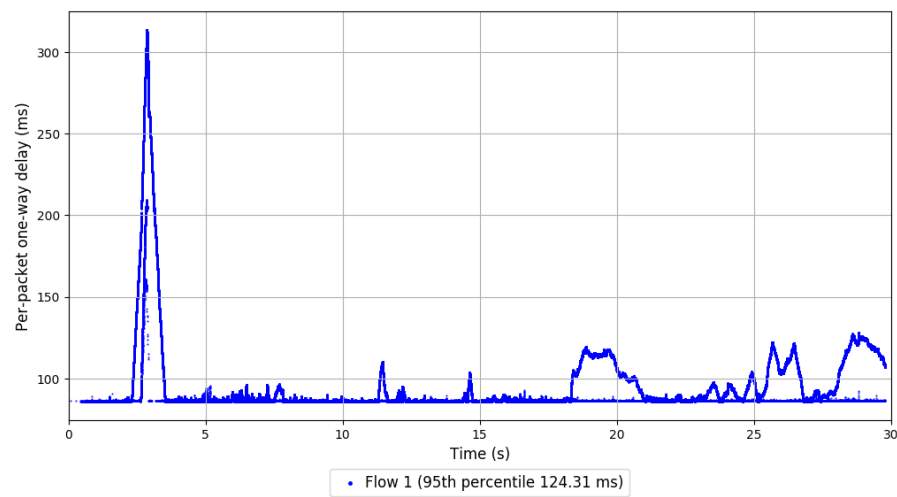
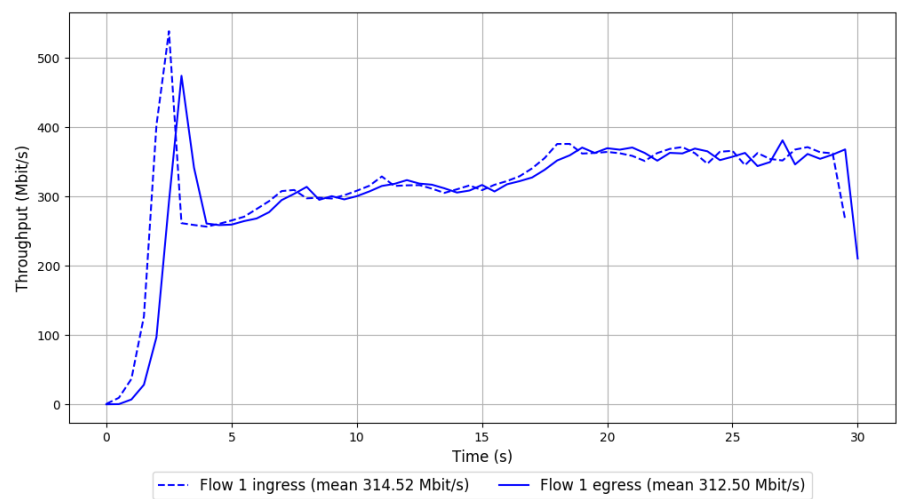


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 13:32:47  
End at: 2018-07-18 13:33:17  
Local clock offset: -0.319 ms  
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-07-18 15:02:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 312.50 Mbit/s  
95th percentile per-packet one-way delay: 124.311 ms  
Loss rate: 1.22%  
-- Flow 1:  
Average throughput: 312.50 Mbit/s  
95th percentile per-packet one-way delay: 124.311 ms  
Loss rate: 1.22%

Run 9: Report of PCC-Allegro — Data Link

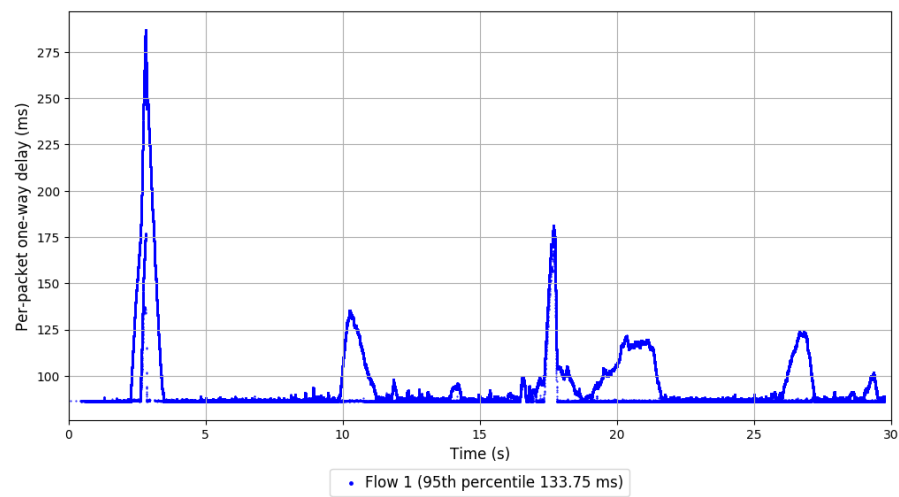
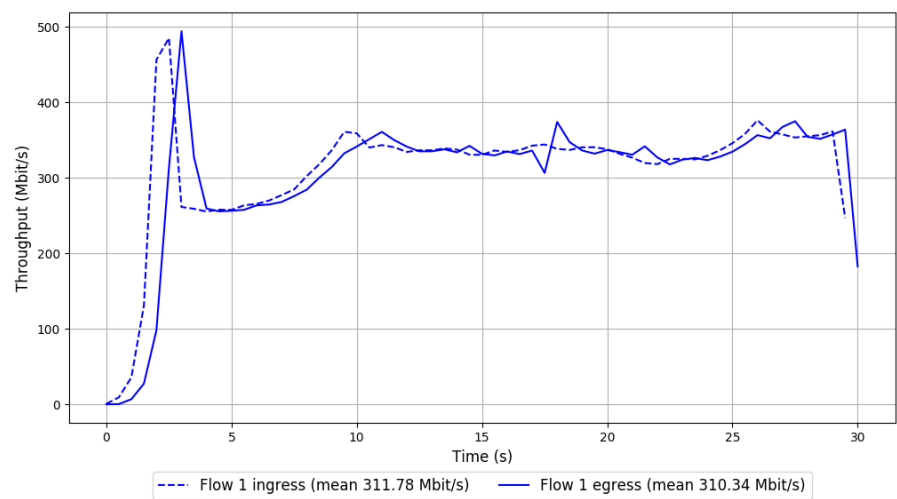


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 13:54:42  
End at: 2018-07-18 13:55:12  
Local clock offset: -0.049 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-07-18 15:02:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 310.34 Mbit/s  
95th percentile per-packet one-way delay: 133.747 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 310.34 Mbit/s  
95th percentile per-packet one-way delay: 133.747 ms  
Loss rate: 1.04%

Run 10: Report of PCC-Allegro — Data Link

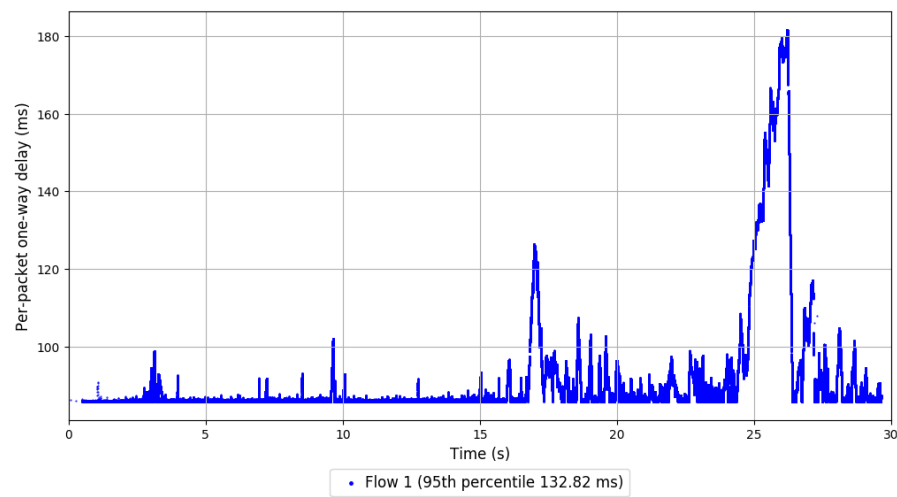
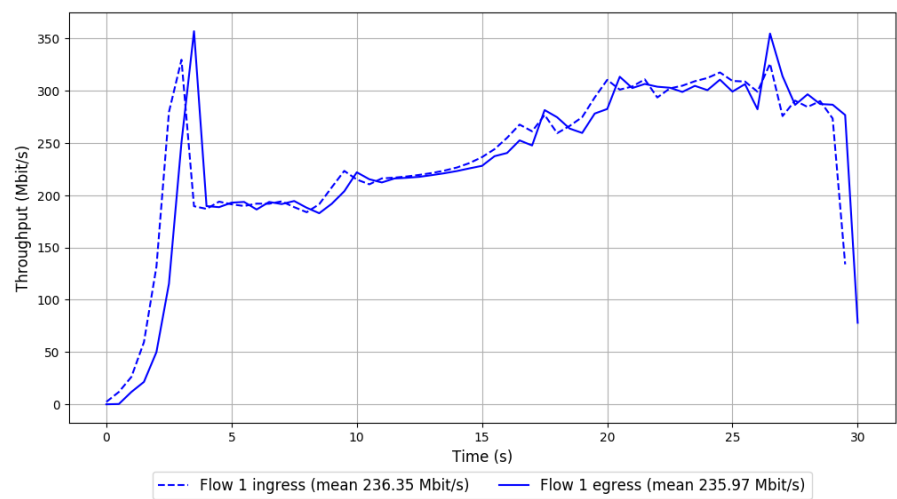


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 10:33:44
End at: 2018-07-18 10:34:14
Local clock offset: -0.098 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-07-18 15:05:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.97 Mbit/s
95th percentile per-packet one-way delay: 132.824 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 235.97 Mbit/s
95th percentile per-packet one-way delay: 132.824 ms
Loss rate: 0.74%
```

Run 1: Report of PCC-Expr — Data Link

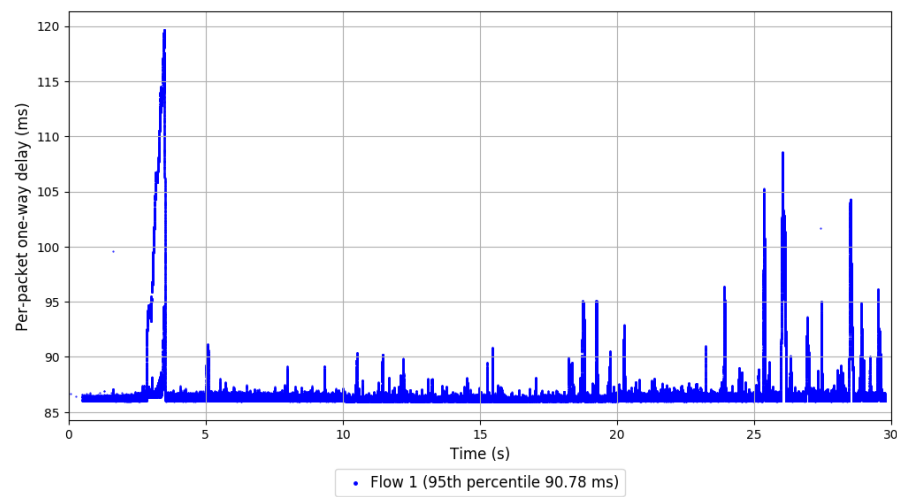
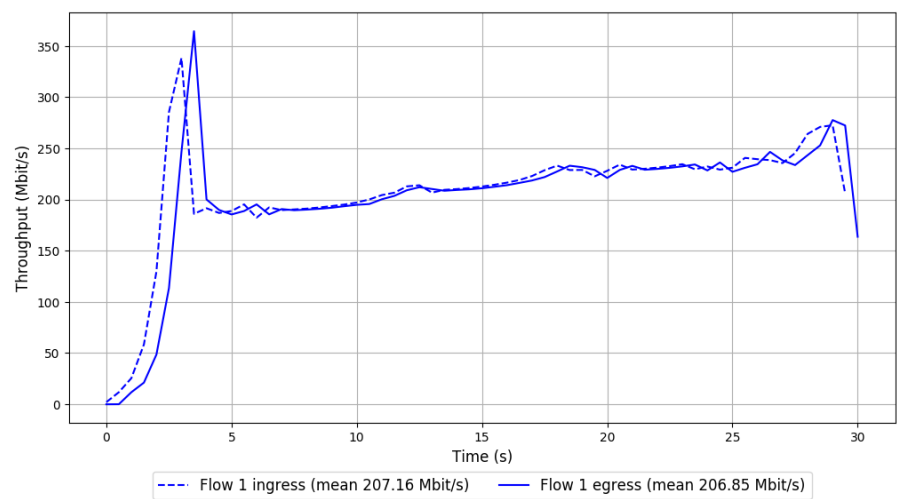


Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 10:55:43  
End at: 2018-07-18 10:56:13  
Local clock offset: -0.026 ms  
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-07-18 15:05:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 206.85 Mbit/s  
95th percentile per-packet one-way delay: 90.776 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 206.85 Mbit/s  
95th percentile per-packet one-way delay: 90.776 ms  
Loss rate: 0.73%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 11:17:52

End at: 2018-07-18 11:18:22

Local clock offset: -0.147 ms

Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-07-18 15:06:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 237.05 Mbit/s

95th percentile per-packet one-way delay: 93.719 ms

Loss rate: 0.70%

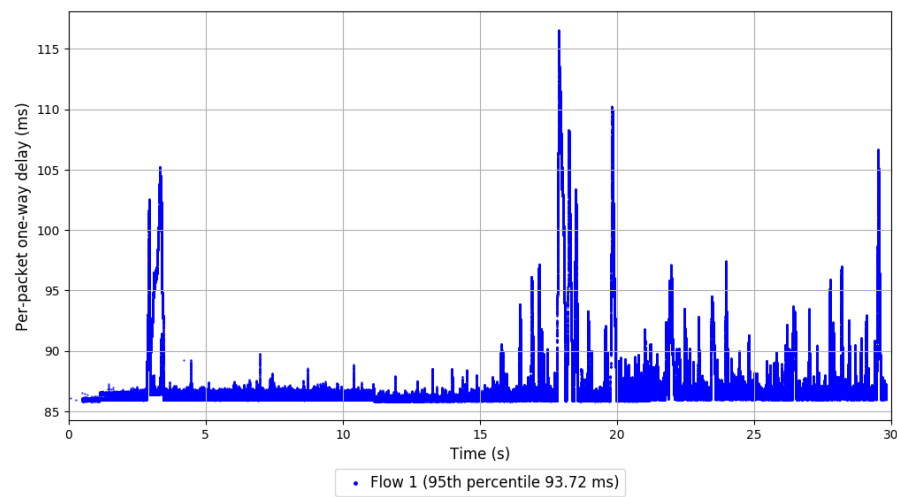
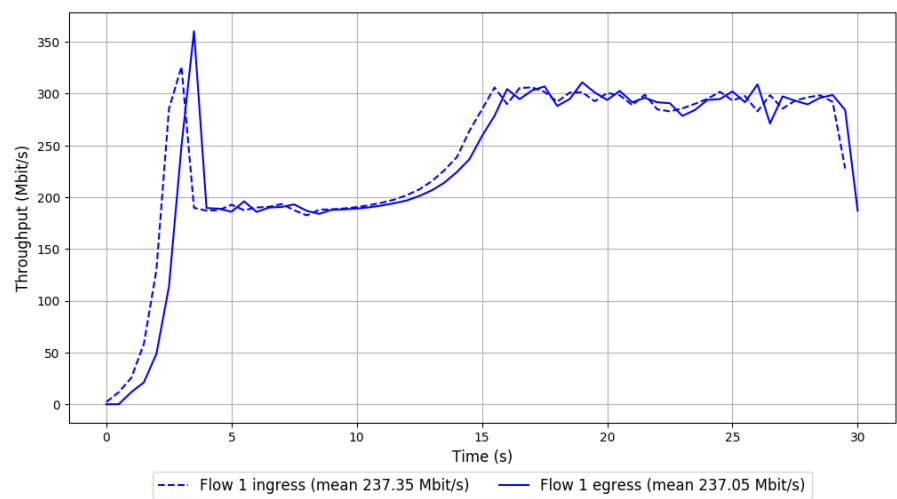
-- Flow 1:

Average throughput: 237.05 Mbit/s

95th percentile per-packet one-way delay: 93.719 ms

Loss rate: 0.70%

Run 3: Report of PCC-Expr — Data Link

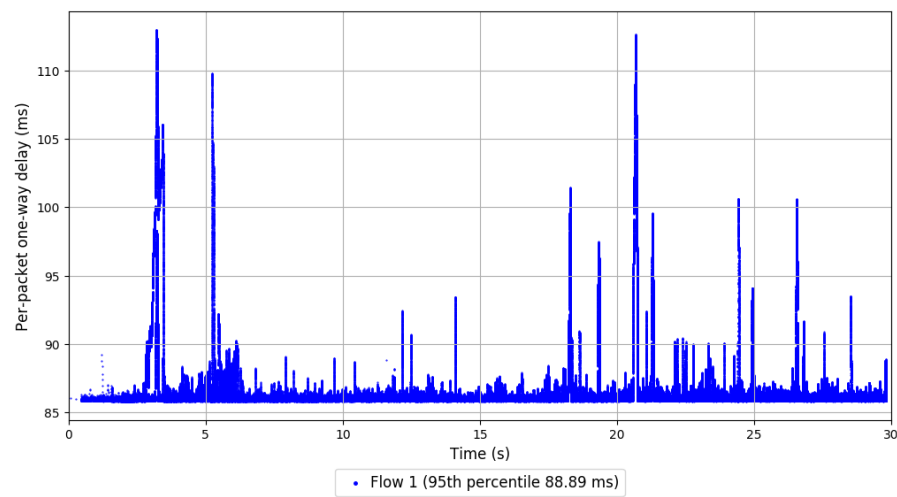
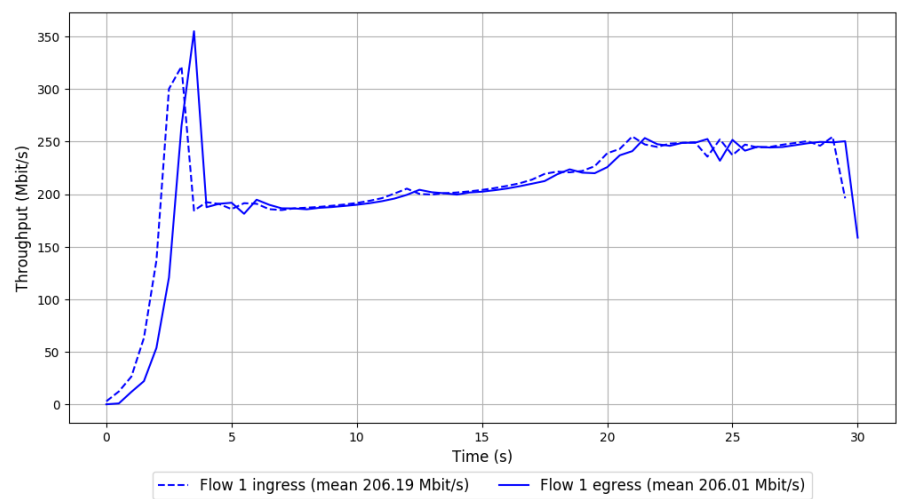


Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 11:39:18  
End at: 2018-07-18 11:39:48  
Local clock offset: -0.258 ms  
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-07-18 15:06:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 206.01 Mbit/s  
95th percentile per-packet one-way delay: 88.885 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 206.01 Mbit/s  
95th percentile per-packet one-way delay: 88.885 ms  
Loss rate: 0.67%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 12:00:57

End at: 2018-07-18 12:01:27

Local clock offset: -0.192 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-18 15:06:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 196.24 Mbit/s

95th percentile per-packet one-way delay: 87.007 ms

Loss rate: 0.64%

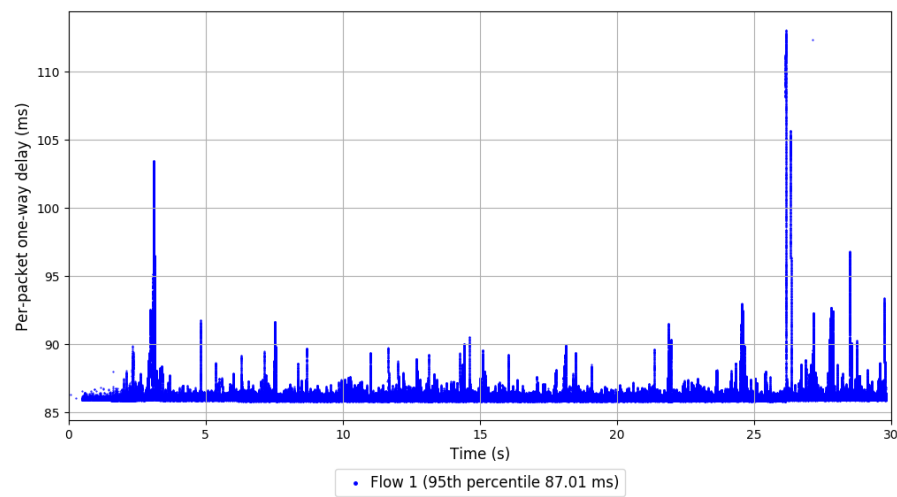
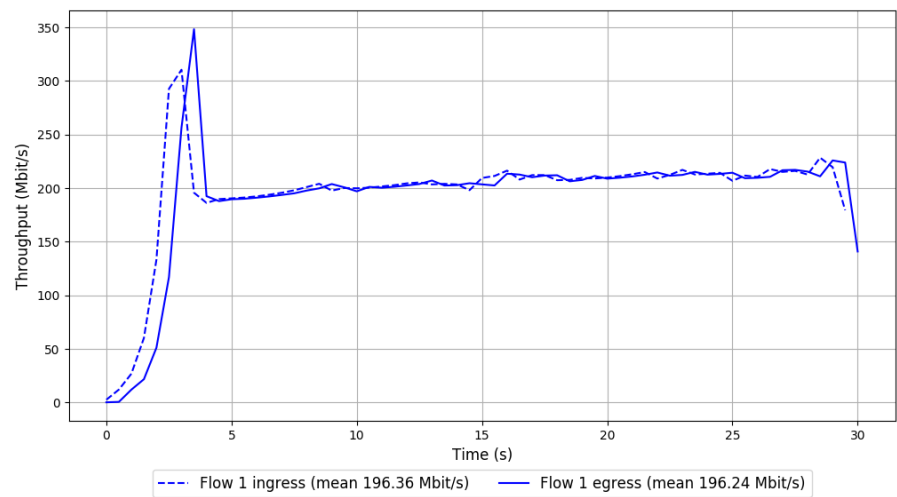
-- Flow 1:

Average throughput: 196.24 Mbit/s

95th percentile per-packet one-way delay: 87.007 ms

Loss rate: 0.64%

Run 5: Report of PCC-Expr — Data Link

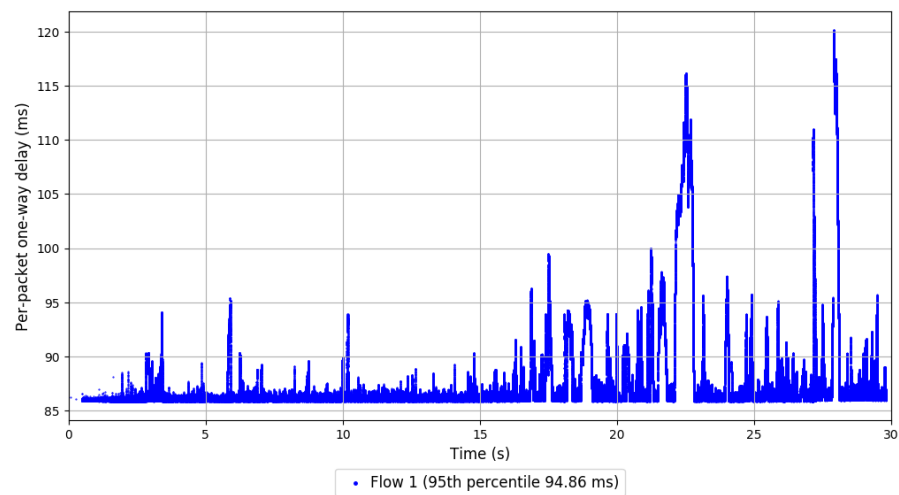
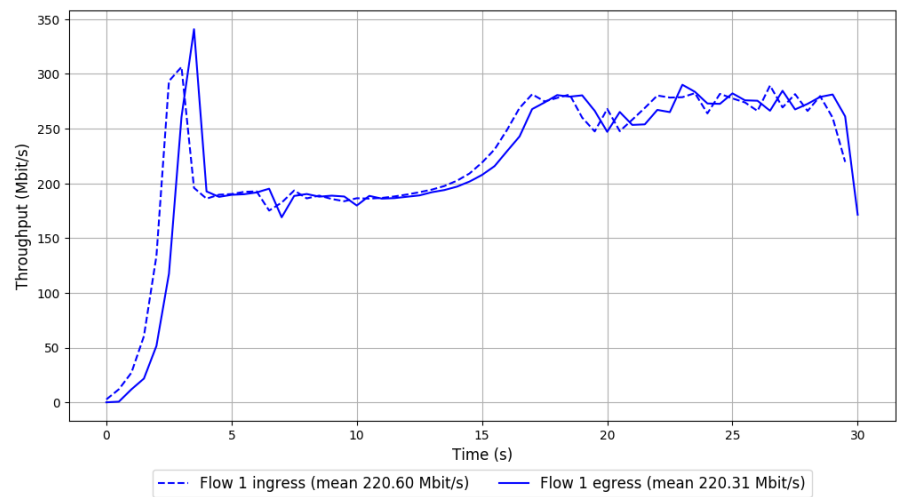


Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 12:22:56  
End at: 2018-07-18 12:23:26  
Local clock offset: -0.182 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-07-18 15:07:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 220.31 Mbit/s  
95th percentile per-packet one-way delay: 94.859 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 220.31 Mbit/s  
95th percentile per-packet one-way delay: 94.859 ms  
Loss rate: 0.71%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 12:45:04

End at: 2018-07-18 12:45:34

Local clock offset: -0.175 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 346.99 Mbit/s

95th percentile per-packet one-way delay: 321.461 ms

Loss rate: 2.69%

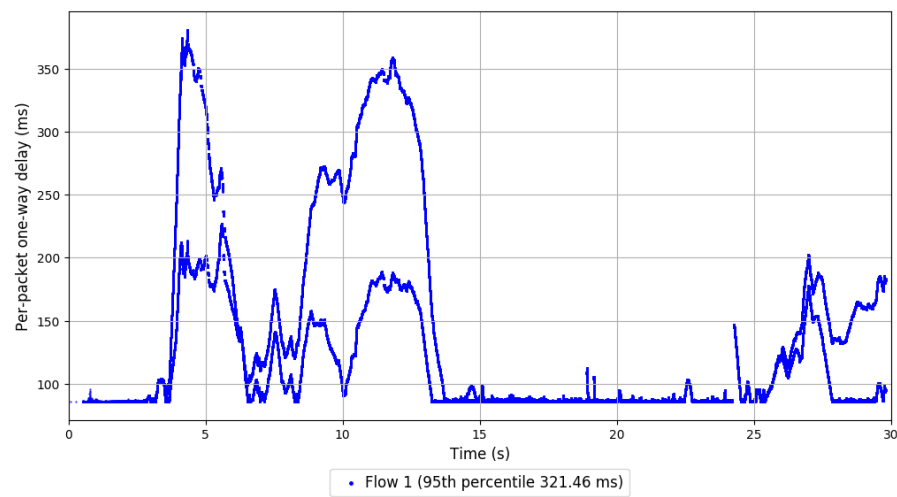
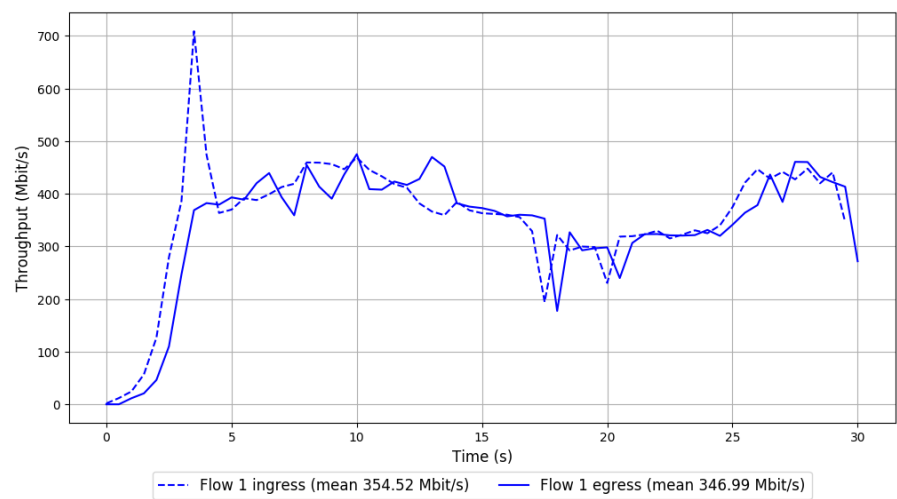
-- Flow 1:

Average throughput: 346.99 Mbit/s

95th percentile per-packet one-way delay: 321.461 ms

Loss rate: 2.69%

Run 7: Report of PCC-Expr — Data Link

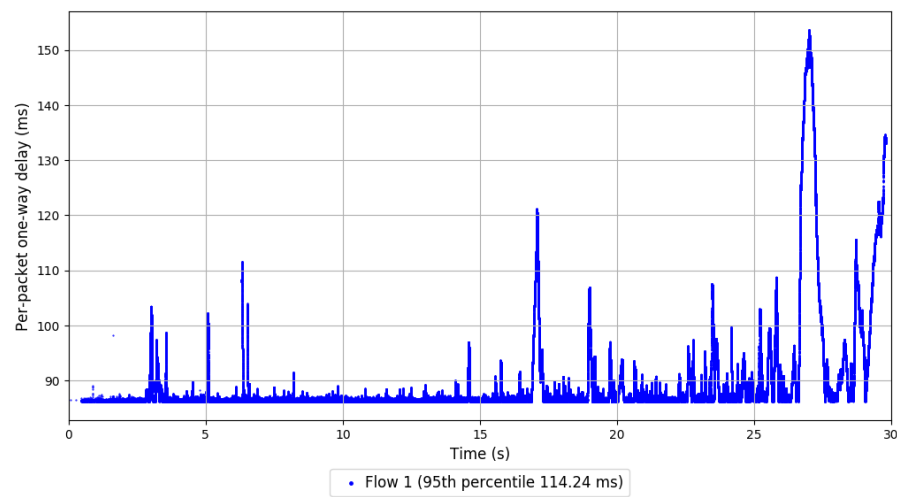
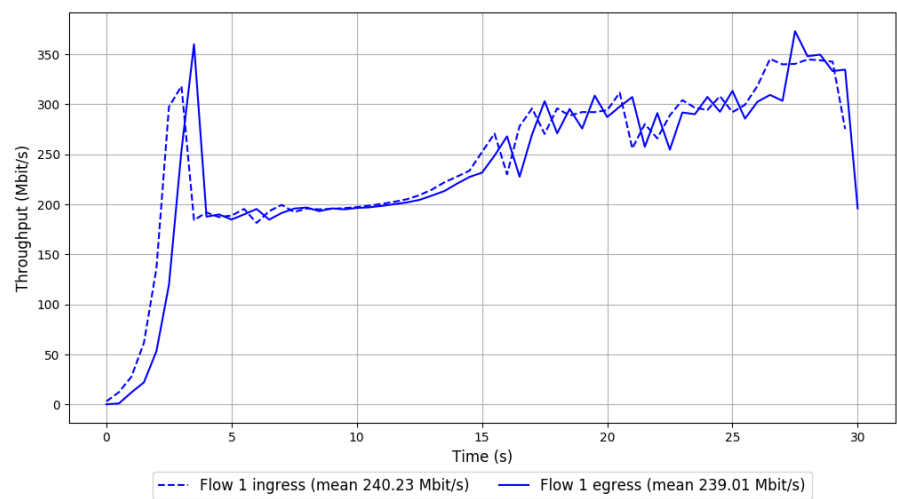


Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 13:07:17  
End at: 2018-07-18 13:07:47  
Local clock offset: 0.101 ms  
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 239.01 Mbit/s  
95th percentile per-packet one-way delay: 114.244 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 239.01 Mbit/s  
95th percentile per-packet one-way delay: 114.244 ms  
Loss rate: 1.08%

Run 8: Report of PCC-Expr — Data Link

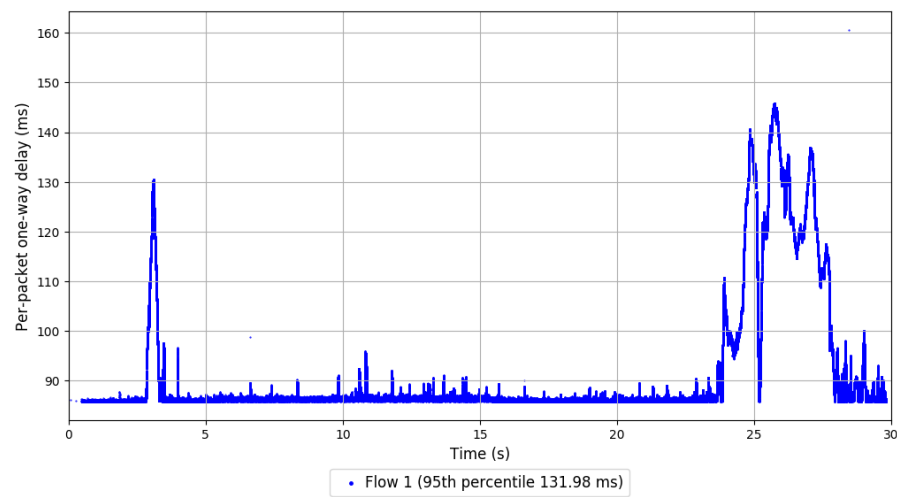
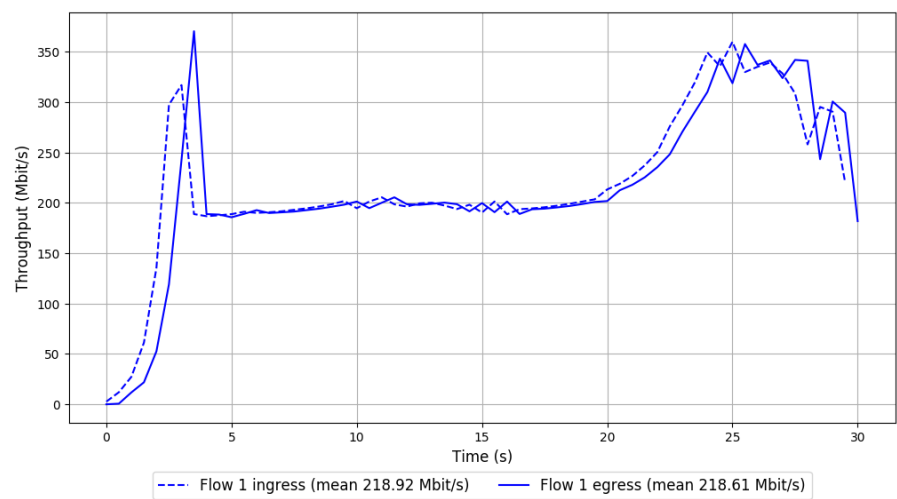


Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 13:28:48  
End at: 2018-07-18 13:29:18  
Local clock offset: -0.305 ms  
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 218.61 Mbit/s  
95th percentile per-packet one-way delay: 131.980 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 218.61 Mbit/s  
95th percentile per-packet one-way delay: 131.980 ms  
Loss rate: 0.72%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 13:50:40

End at: 2018-07-18 13:51:10

Local clock offset: -0.09 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 206.87 Mbit/s

95th percentile per-packet one-way delay: 215.947 ms

Loss rate: 0.84%

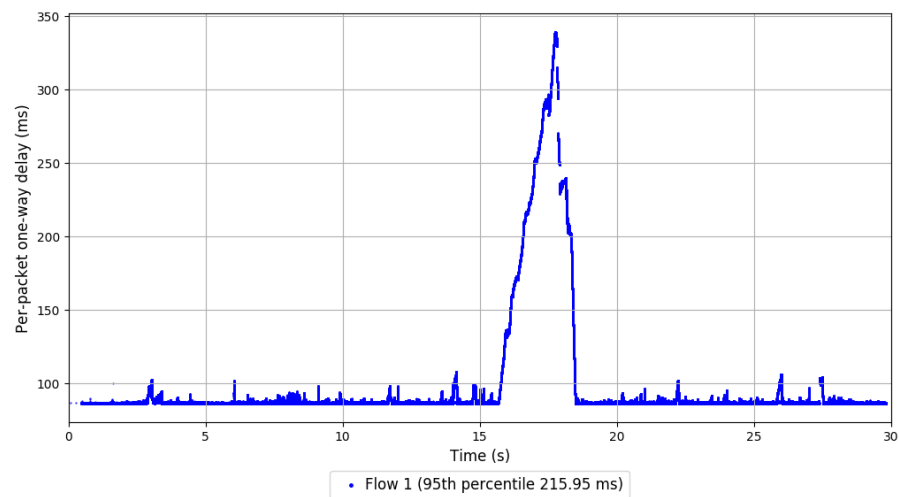
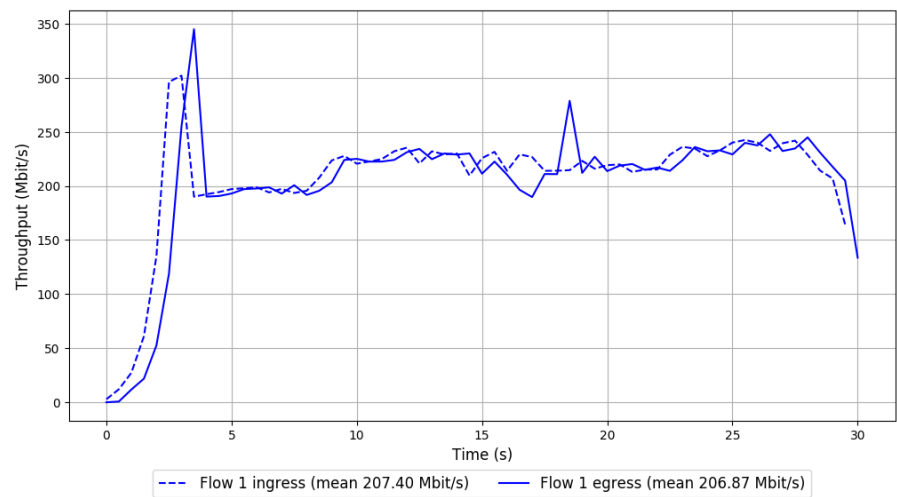
-- Flow 1:

Average throughput: 206.87 Mbit/s

95th percentile per-packet one-way delay: 215.947 ms

Loss rate: 0.84%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

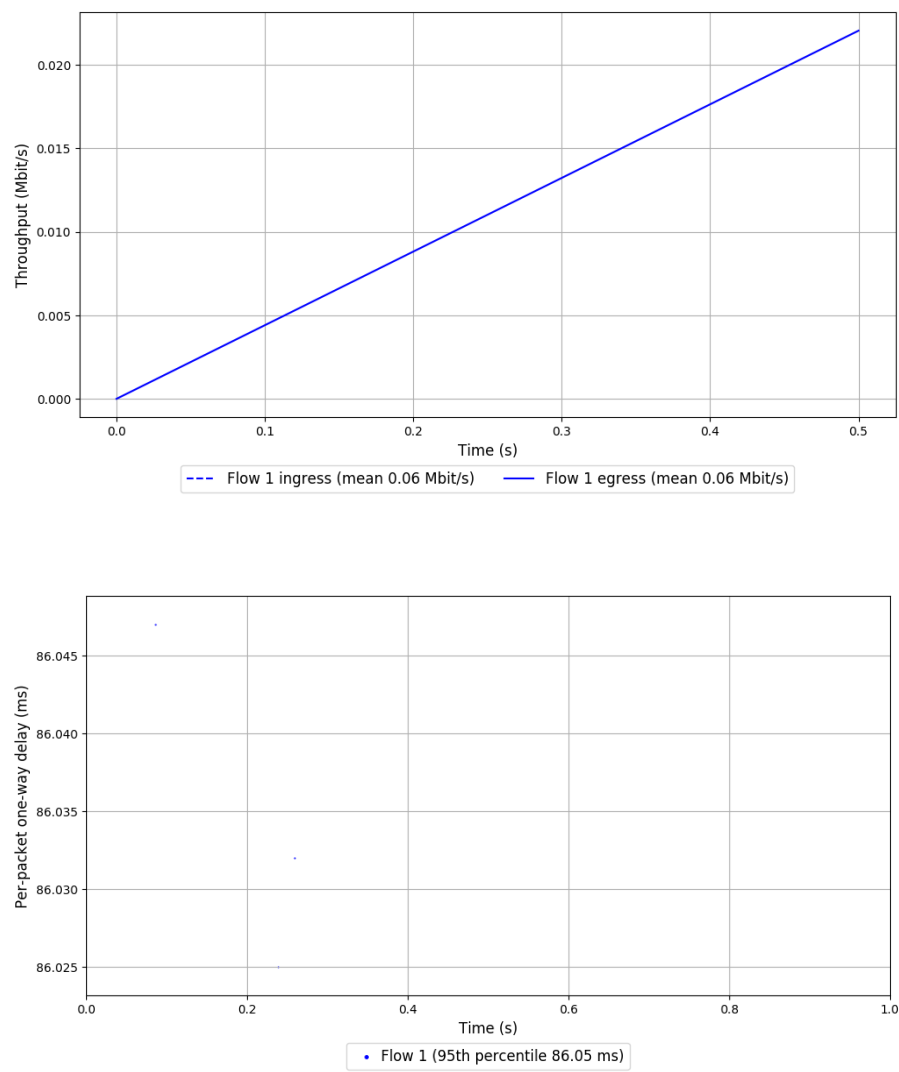
Start at: 2018-07-18 10:27:38

End at: 2018-07-18 10:28:08

Local clock offset: -0.232 ms

Remote clock offset: -0.051 ms

Run 1: Report of QUIC Cubic — Data Link

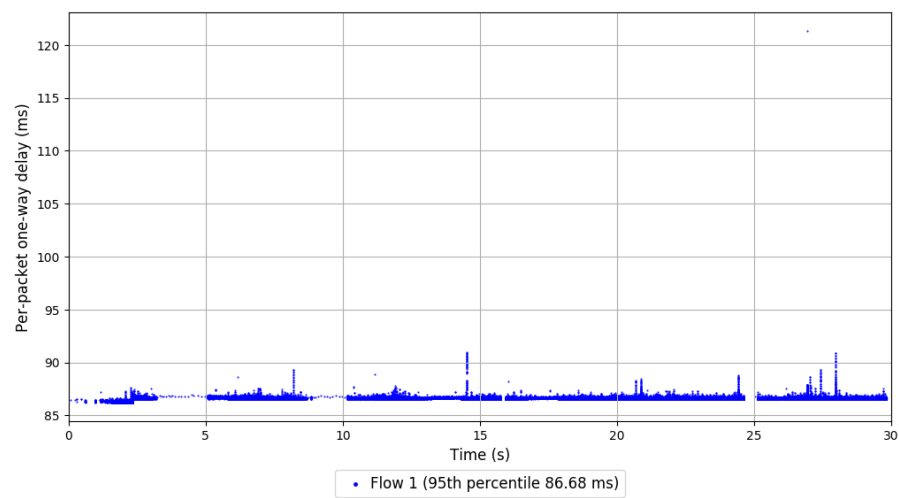
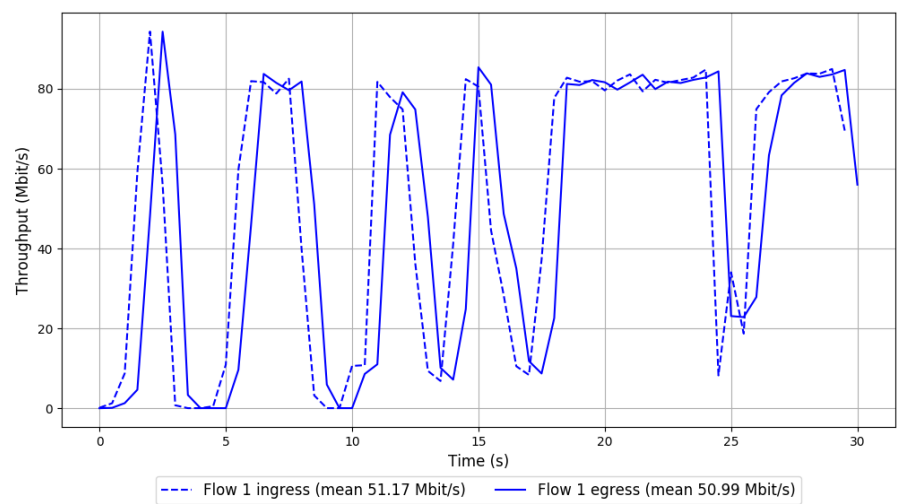


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 10:49:31  
End at: 2018-07-18 10:50:01  
Local clock offset: 0.106 ms  
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.99 Mbit/s  
95th percentile per-packet one-way delay: 86.684 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 50.99 Mbit/s  
95th percentile per-packet one-way delay: 86.684 ms  
Loss rate: 0.93%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 11:11:23

End at: 2018-07-18 11:11:53

Local clock offset: -0.145 ms

Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.96 Mbit/s

95th percentile per-packet one-way delay: 86.534 ms

Loss rate: 0.95%

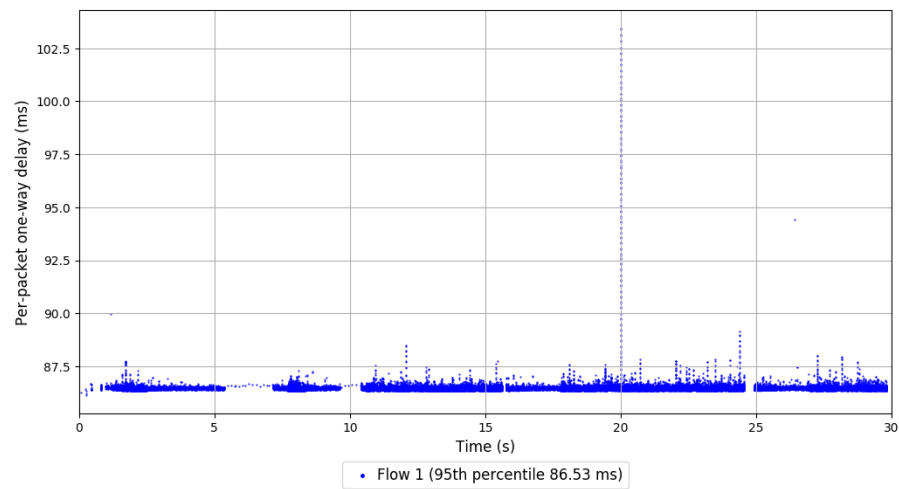
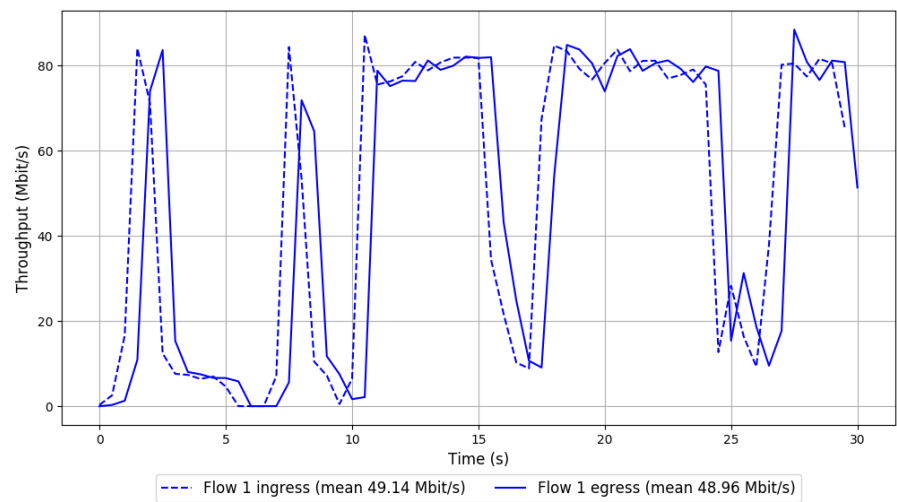
-- Flow 1:

Average throughput: 48.96 Mbit/s

95th percentile per-packet one-way delay: 86.534 ms

Loss rate: 0.95%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-18 11:32:56

End at: 2018-07-18 11:33:26

Local clock offset: -0.052 ms

Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.58 Mbit/s

95th percentile per-packet one-way delay: 86.355 ms

Loss rate: 0.90%

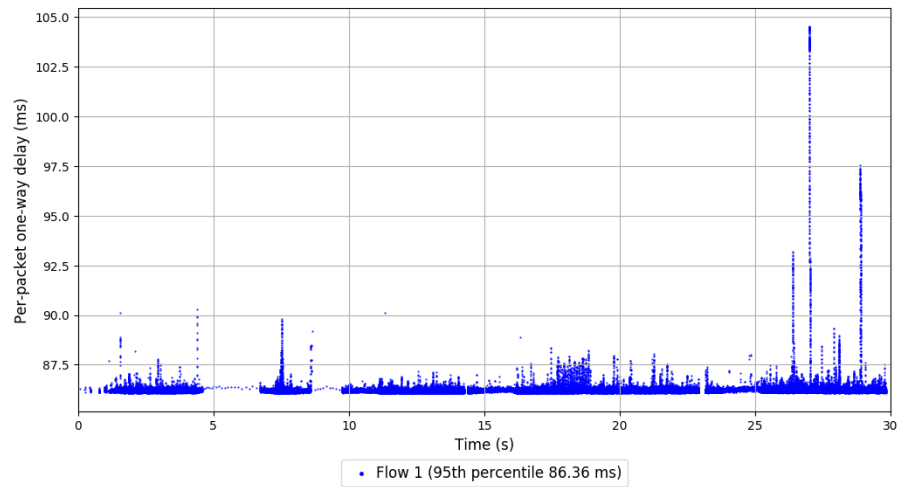
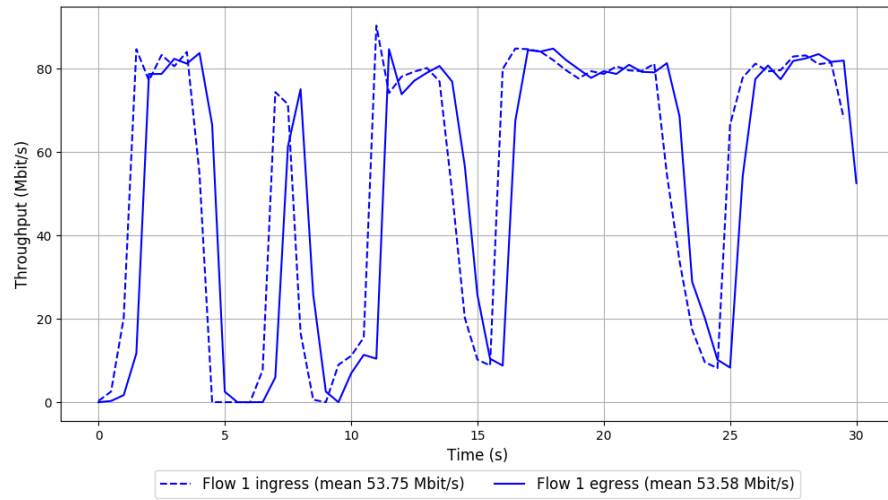
-- Flow 1:

Average throughput: 53.58 Mbit/s

95th percentile per-packet one-way delay: 86.355 ms

Loss rate: 0.90%

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

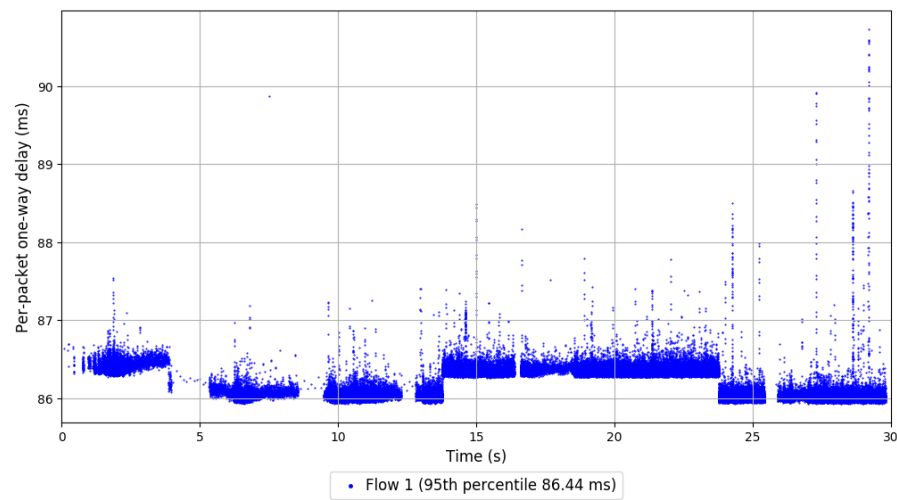
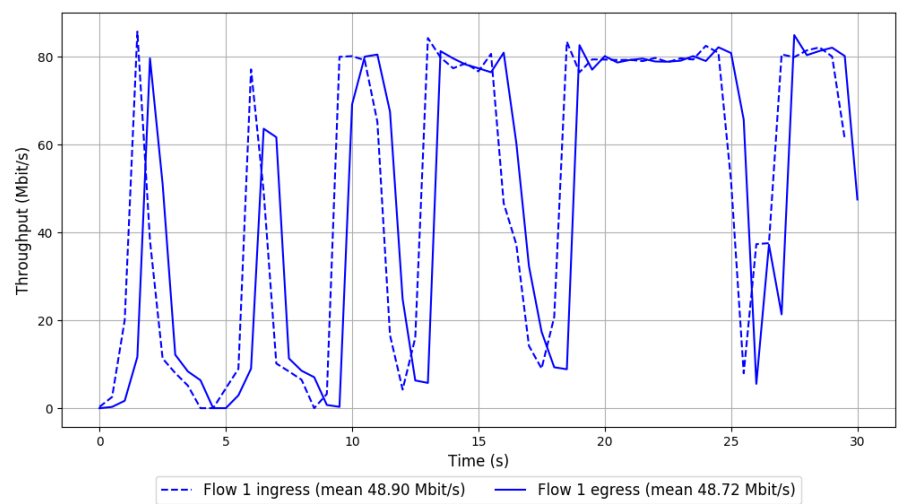


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-18 11:54:29  
End at: 2018-07-18 11:54:59  
Local clock offset: -0.163 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.72 Mbit/s  
95th percentile per-packet one-way delay: 86.437 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 48.72 Mbit/s  
95th percentile per-packet one-way delay: 86.437 ms  
Loss rate: 0.95%

Run 5: Report of QUIC Cubic — Data Link

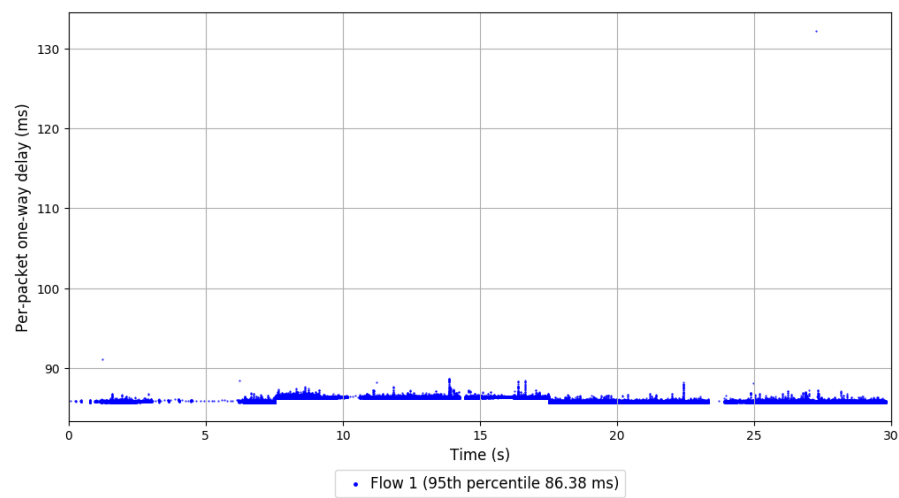
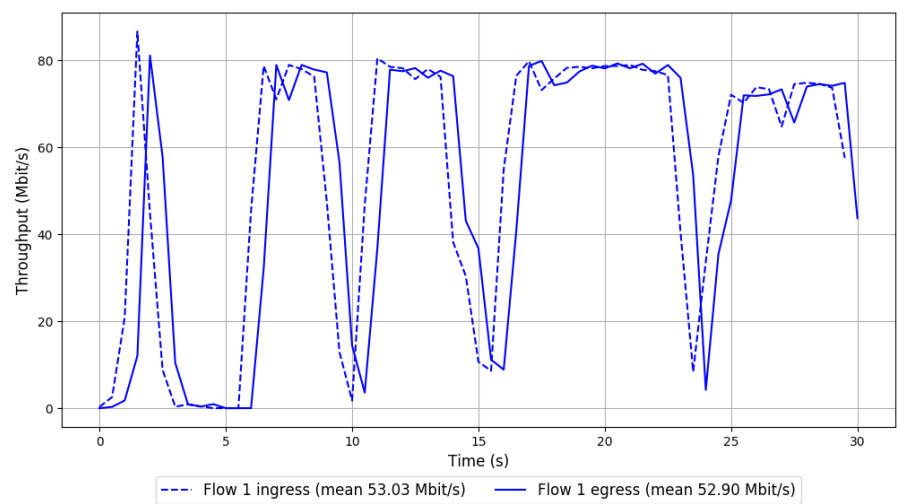


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-18 12:16:36  
End at: 2018-07-18 12:17:06  
Local clock offset: -0.306 ms  
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.90 Mbit/s  
95th percentile per-packet one-way delay: 86.375 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 52.90 Mbit/s  
95th percentile per-packet one-way delay: 86.375 ms  
Loss rate: 0.82%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-18 12:38:36

End at: 2018-07-18 12:39:06

Local clock offset: 0.045 ms

Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.68 Mbit/s

95th percentile per-packet one-way delay: 86.290 ms

Loss rate: 0.93%

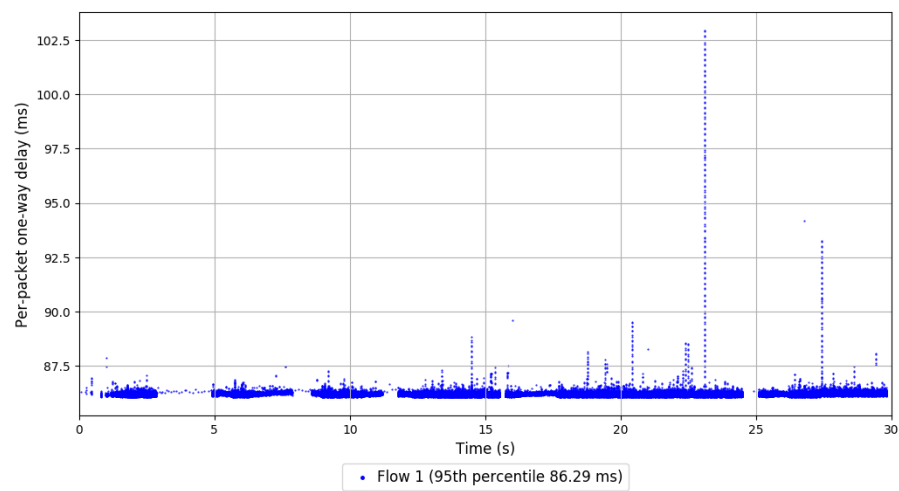
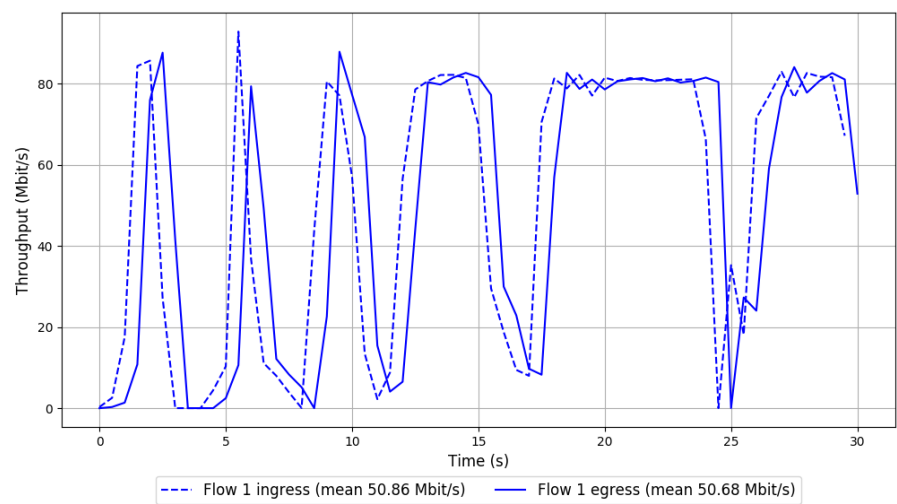
-- Flow 1:

Average throughput: 50.68 Mbit/s

95th percentile per-packet one-way delay: 86.290 ms

Loss rate: 0.93%

Run 7: Report of QUIC Cubic — Data Link

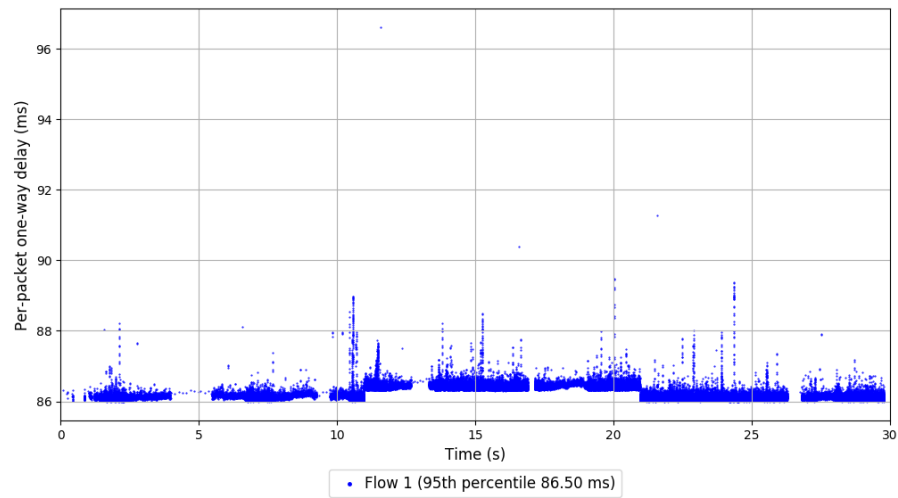
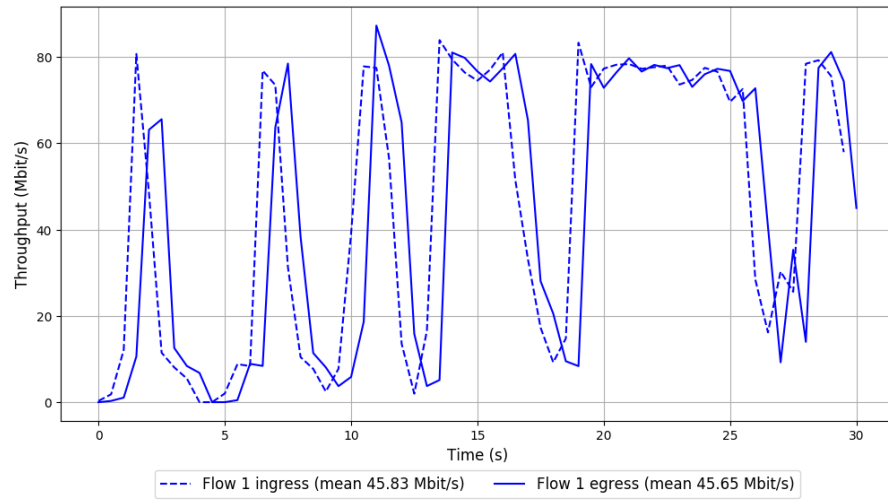


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 13:00:52  
End at: 2018-07-18 13:01:22  
Local clock offset: -0.049 ms  
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.65 Mbit/s  
95th percentile per-packet one-way delay: 86.498 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 45.65 Mbit/s  
95th percentile per-packet one-way delay: 86.498 ms  
Loss rate: 0.98%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 13:22:23

End at: 2018-07-18 13:22:53

Local clock offset: 0.042 ms

Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.20 Mbit/s

95th percentile per-packet one-way delay: 86.421 ms

Loss rate: 1.01%

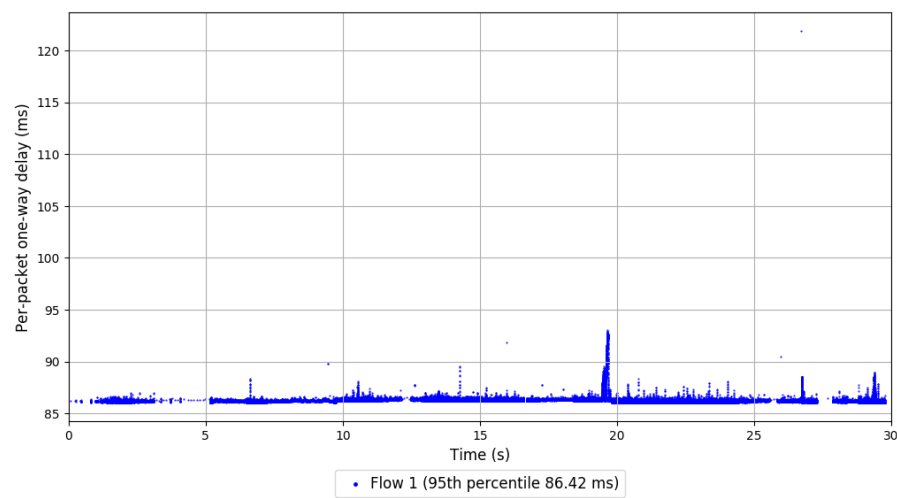
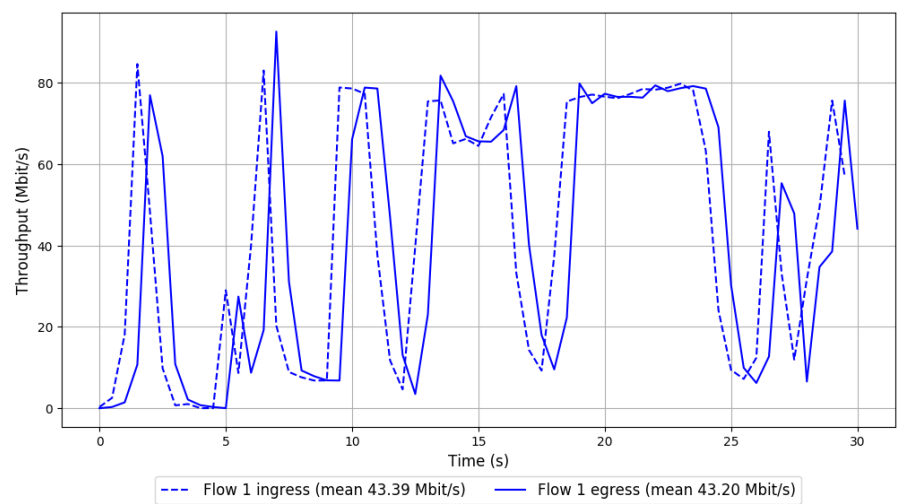
-- Flow 1:

Average throughput: 43.20 Mbit/s

95th percentile per-packet one-way delay: 86.421 ms

Loss rate: 1.01%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 13:44:25

End at: 2018-07-18 13:44:55

Local clock offset: 0.04 ms

Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.21 Mbit/s

95th percentile per-packet one-way delay: 87.055 ms

Loss rate: 0.96%

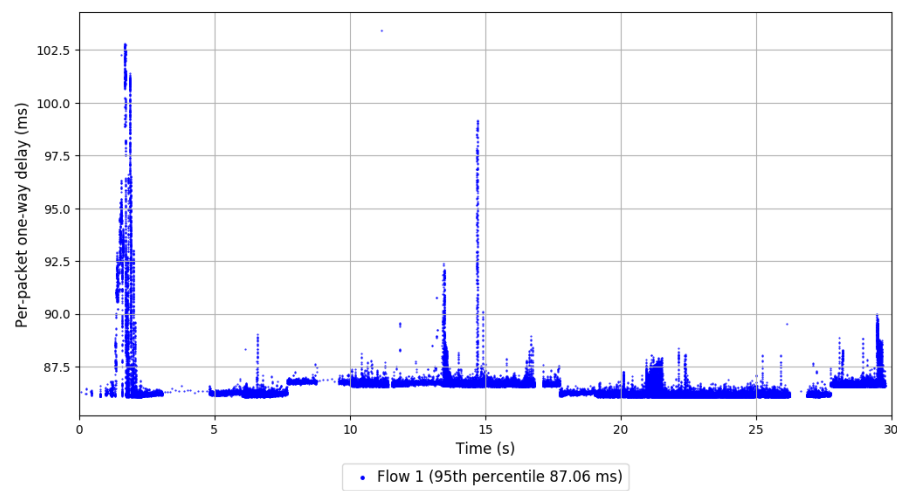
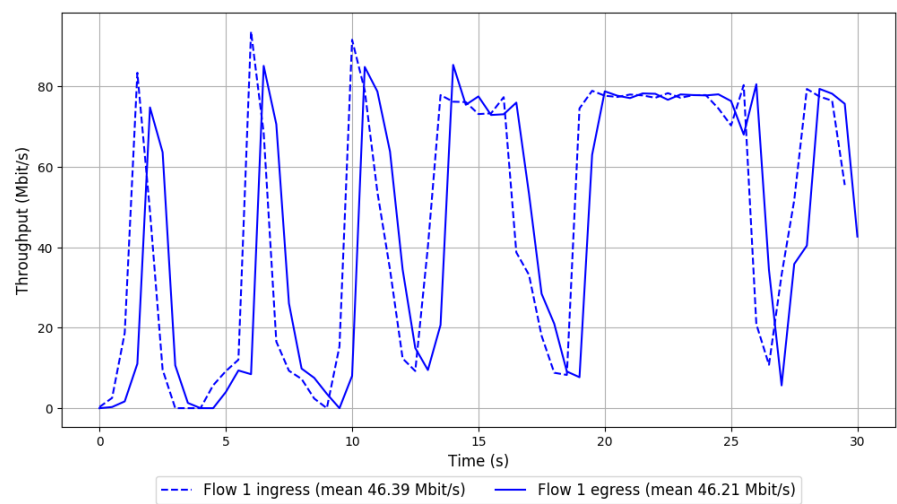
-- Flow 1:

Average throughput: 46.21 Mbit/s

95th percentile per-packet one-way delay: 87.055 ms

Loss rate: 0.96%

Run 10: Report of QUIC Cubic — Data Link

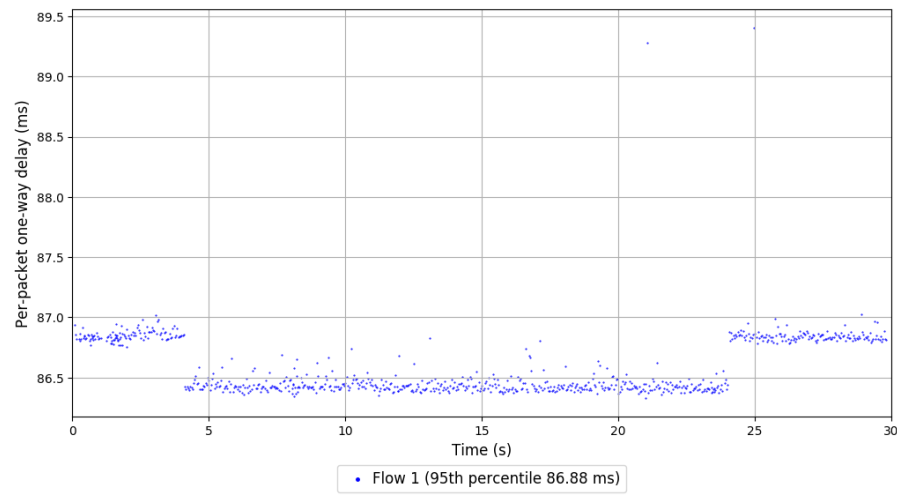
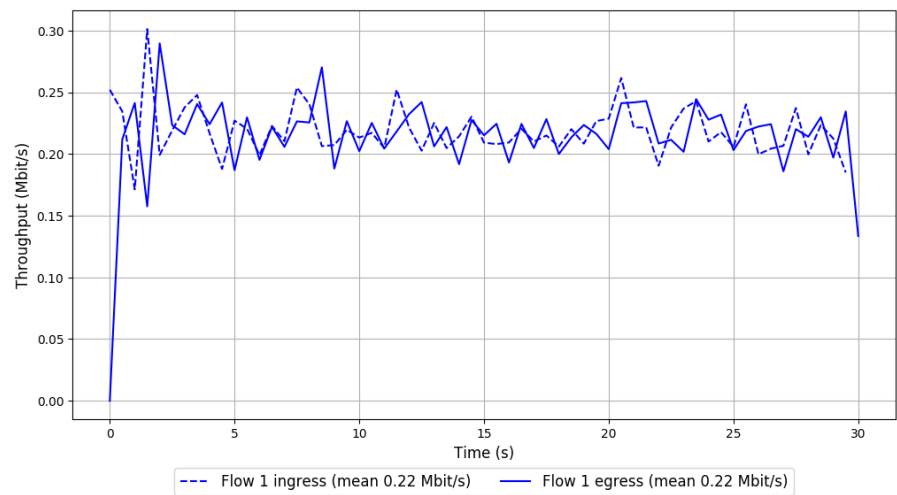


```
Run 1: Statistics of SCReAM

Start at: 2018-07-18 10:36:39
End at: 2018-07-18 10:37:09
Local clock offset: 0.169 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-07-18 15:15:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.881 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.881 ms
Loss rate: 0.64%
```

Run 1: Report of SReAM — Data Link

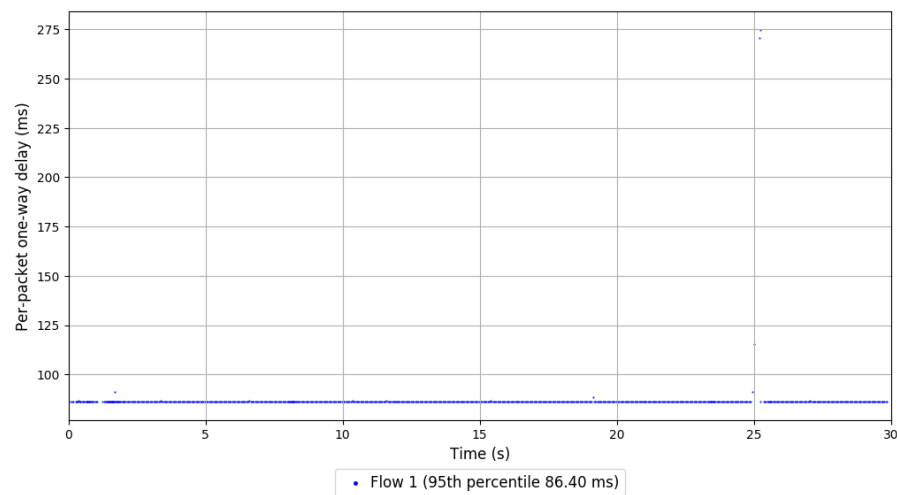
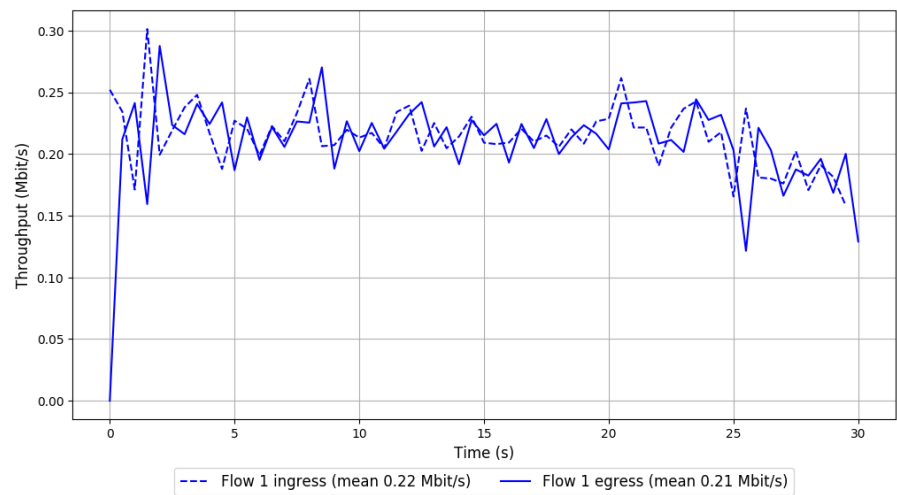


Run 2: Statistics of SCReAM

Start at: 2018-07-18 10:58:38  
End at: 2018-07-18 10:59:08  
Local clock offset: 0.143 ms  
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 86.402 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 86.402 ms  
Loss rate: 0.90%

Run 2: Report of SReAM — Data Link

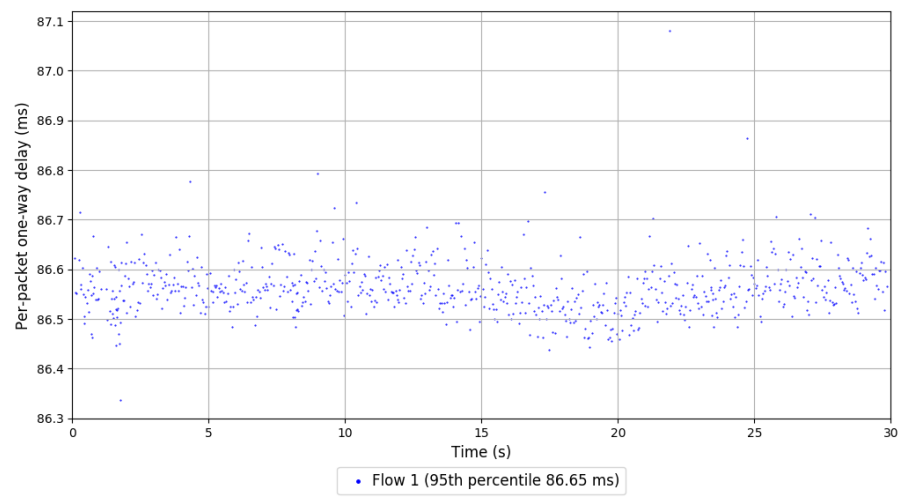
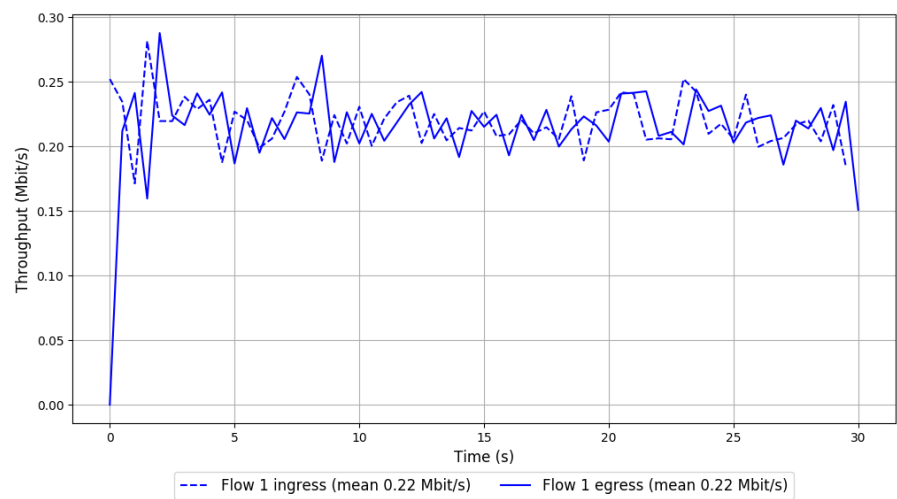


Run 3: Statistics of SCReAM

Start at: 2018-07-18 11:20:49  
End at: 2018-07-18 11:21:19  
Local clock offset: -0.271 ms  
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.654 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.654 ms  
Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

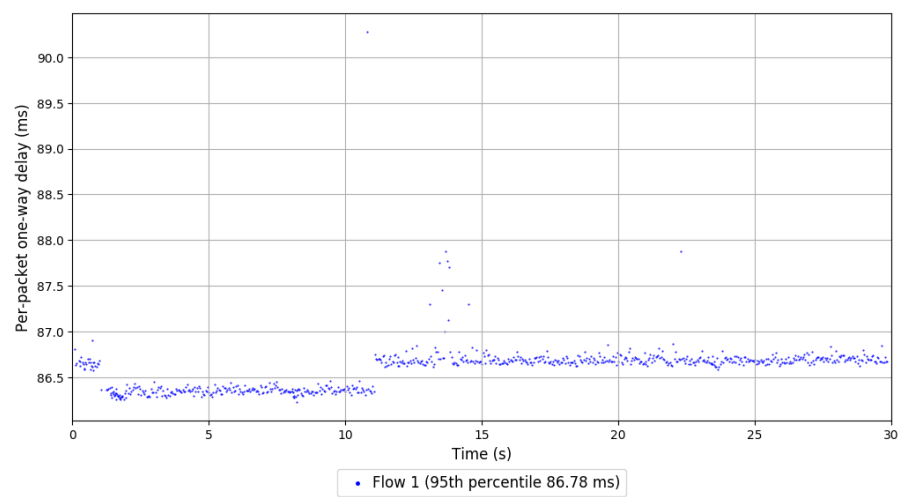
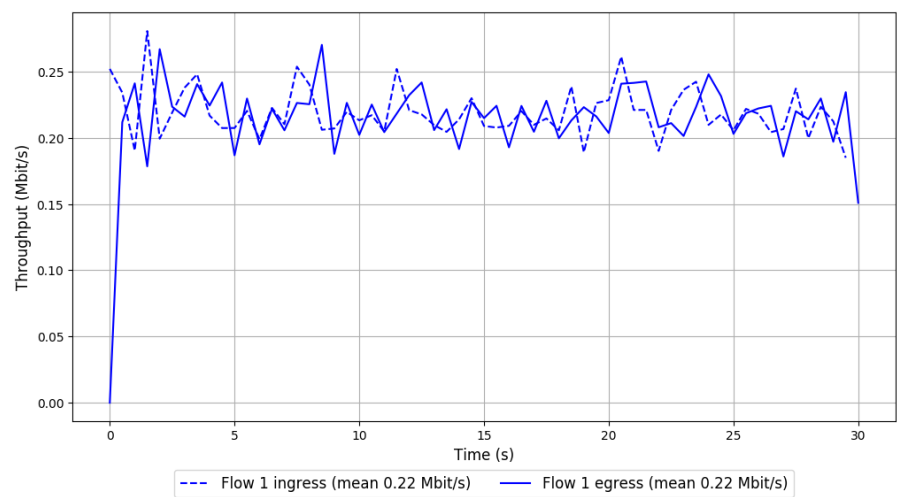


Run 4: Statistics of SCReAM

Start at: 2018-07-18 11:42:12  
End at: 2018-07-18 11:42:42  
Local clock offset: -0.012 ms  
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.778 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.778 ms  
Loss rate: 0.51%

Run 4: Report of SReAM — Data Link

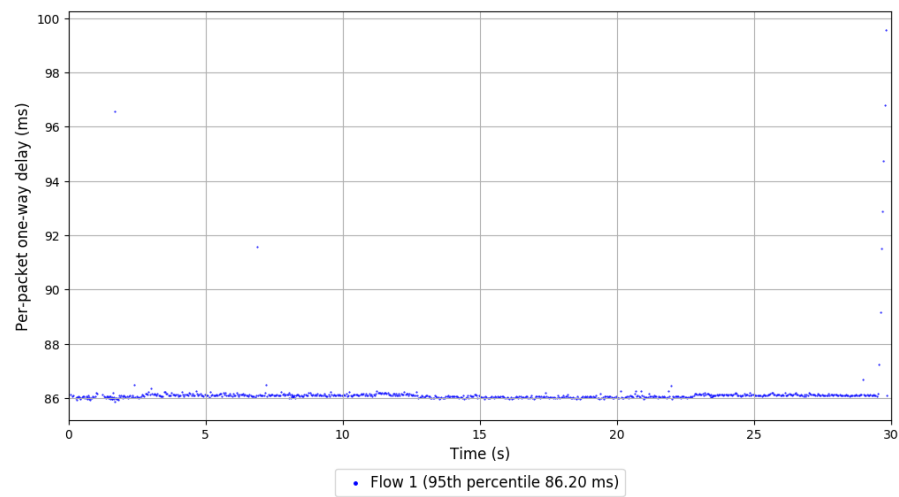
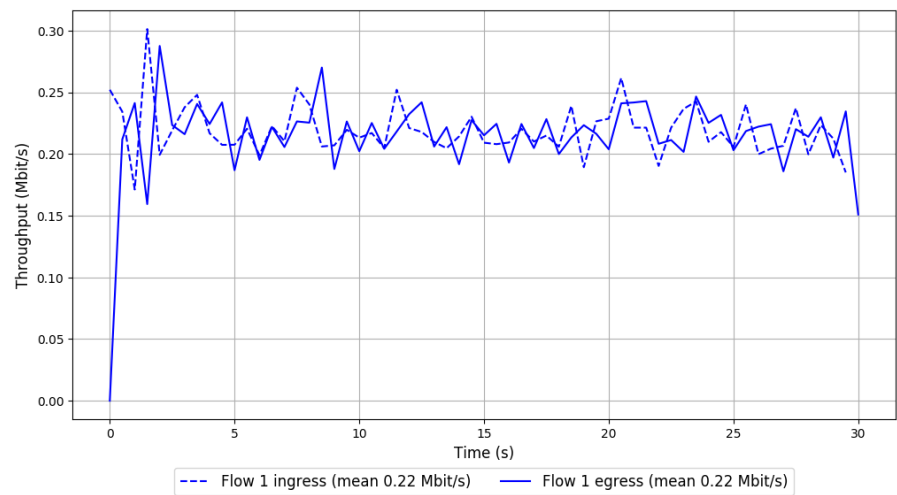


Run 5: Statistics of SCReAM

Start at: 2018-07-18 12:03:50  
End at: 2018-07-18 12:04:20  
Local clock offset: -0.236 ms  
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.200 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.200 ms  
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

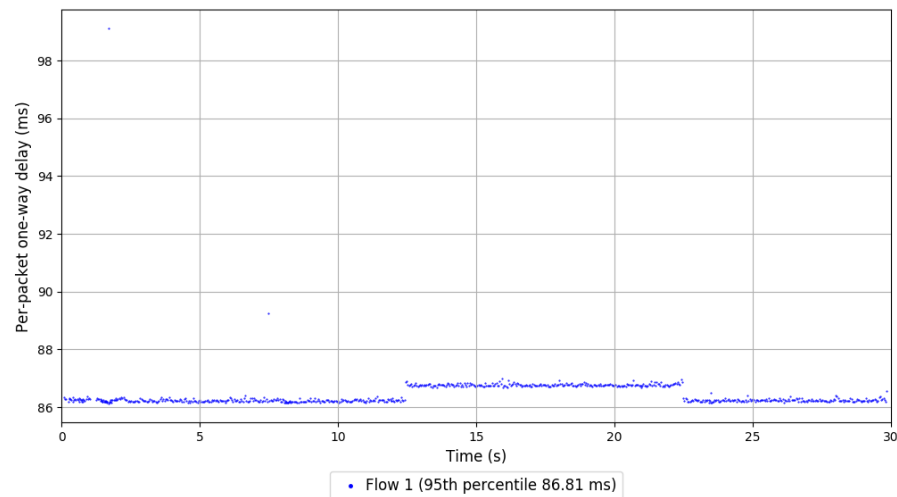
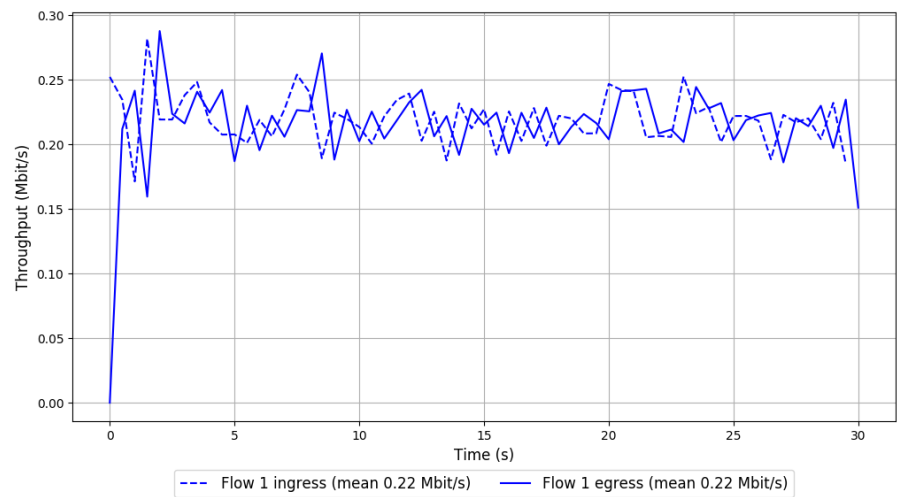


Run 6: Statistics of SCReAM

Start at: 2018-07-18 12:25:51  
End at: 2018-07-18 12:26:21  
Local clock offset: 0.012 ms  
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.811 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.811 ms  
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

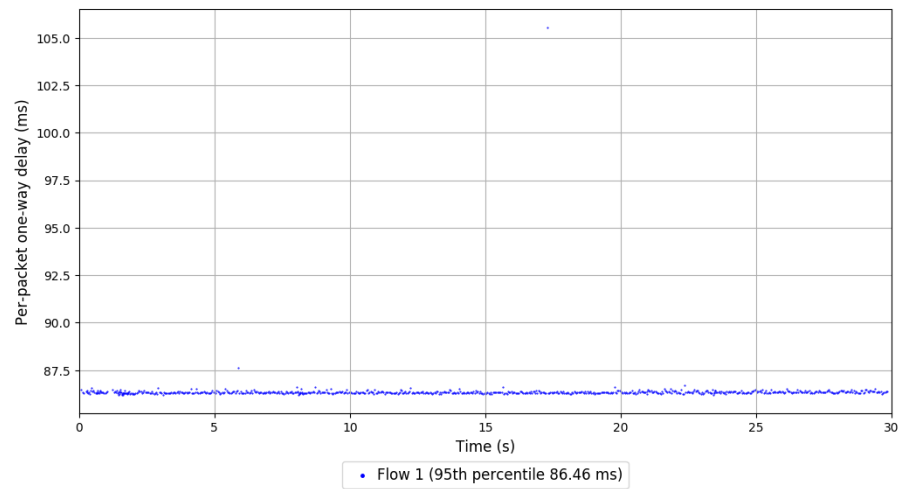
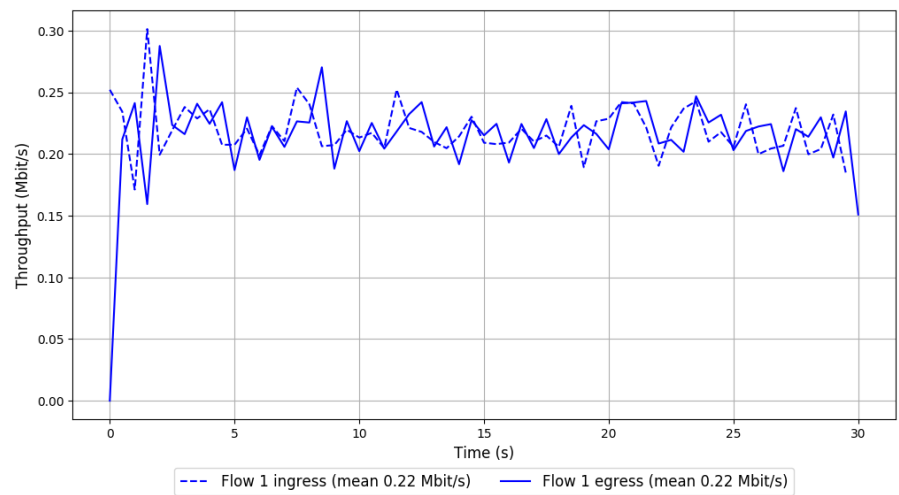


Run 7: Statistics of SCReAM

Start at: 2018-07-18 12:48:06  
End at: 2018-07-18 12:48:36  
Local clock offset: 0.051 ms  
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.458 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.458 ms  
Loss rate: 0.51%

Run 7: Report of SReAM — Data Link

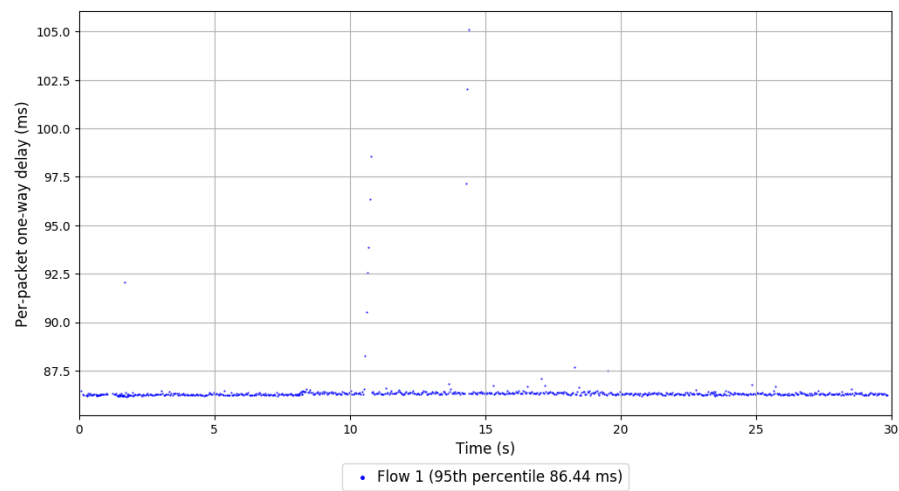
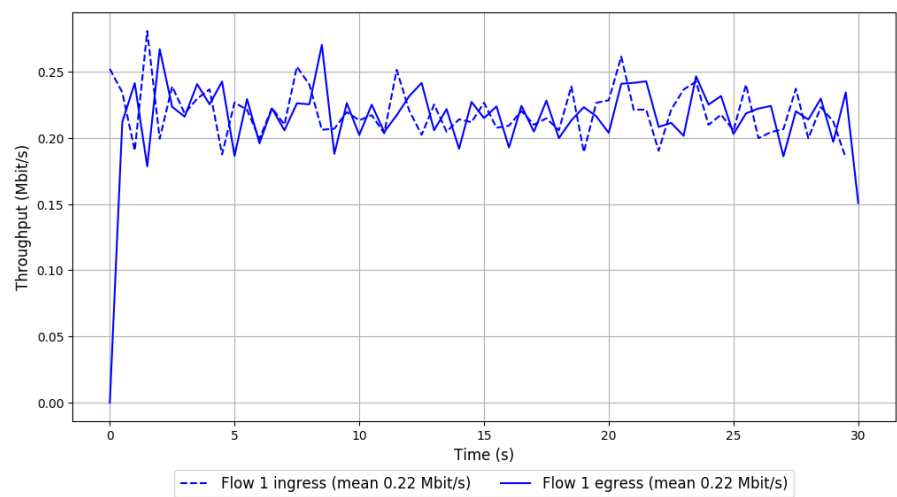


Run 8: Statistics of SCReAM

Start at: 2018-07-18 13:10:15  
End at: 2018-07-18 13:10:45  
Local clock offset: 0.045 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.440 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.440 ms  
Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-18 13:31:40

End at: 2018-07-18 13:32:11

Local clock offset: -0.187 ms

Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.273 ms

Loss rate: 0.64%

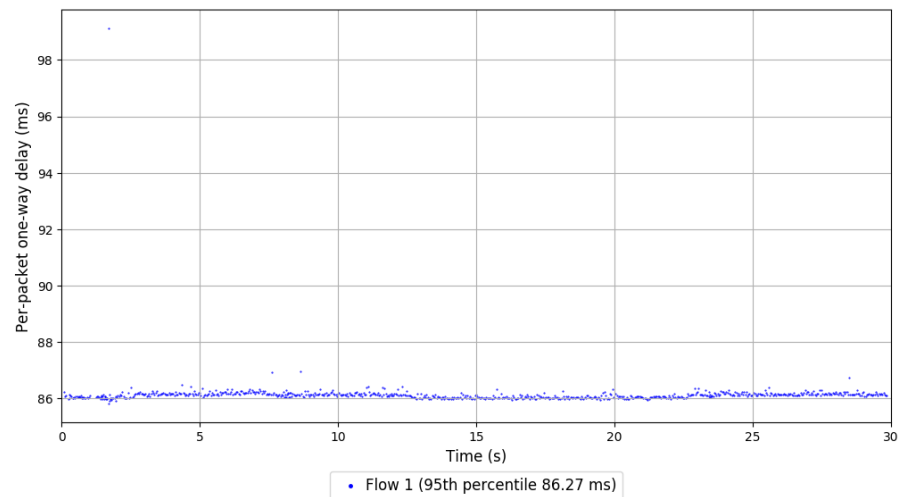
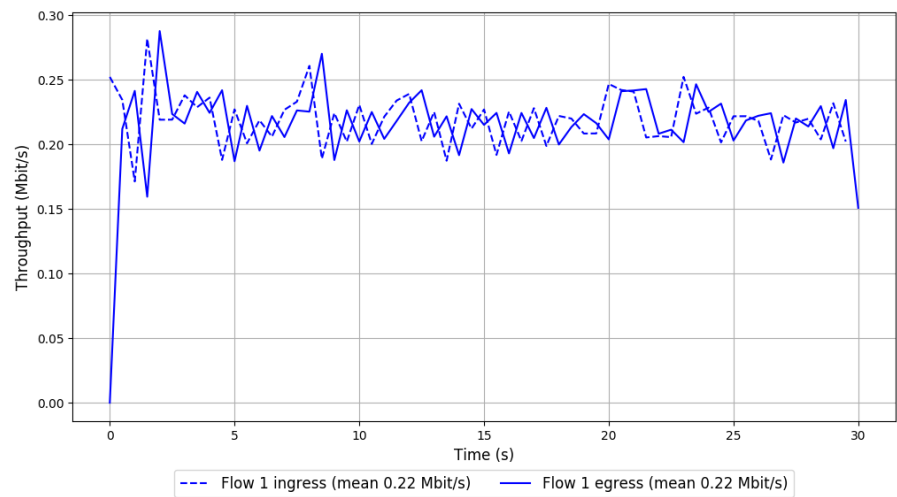
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.273 ms

Loss rate: 0.64%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-18 13:53:36

End at: 2018-07-18 13:54:06

Local clock offset: -0.31 ms

Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.547 ms

Loss rate: 0.51%

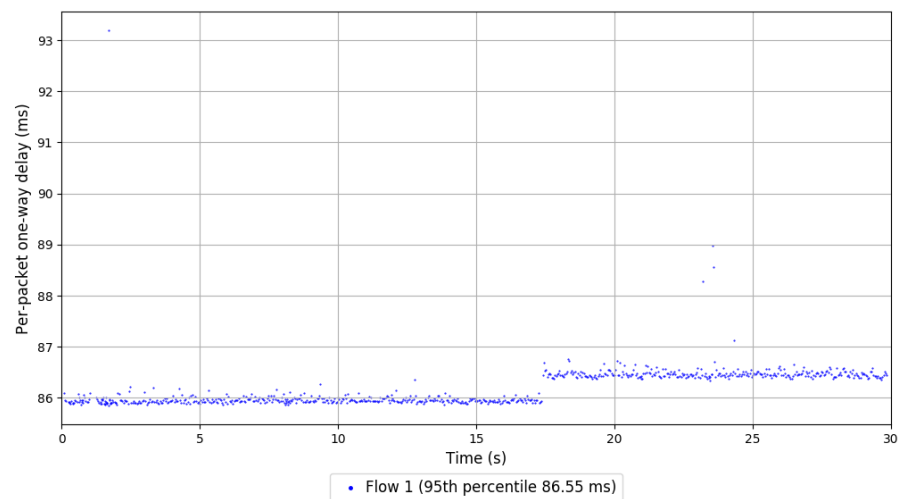
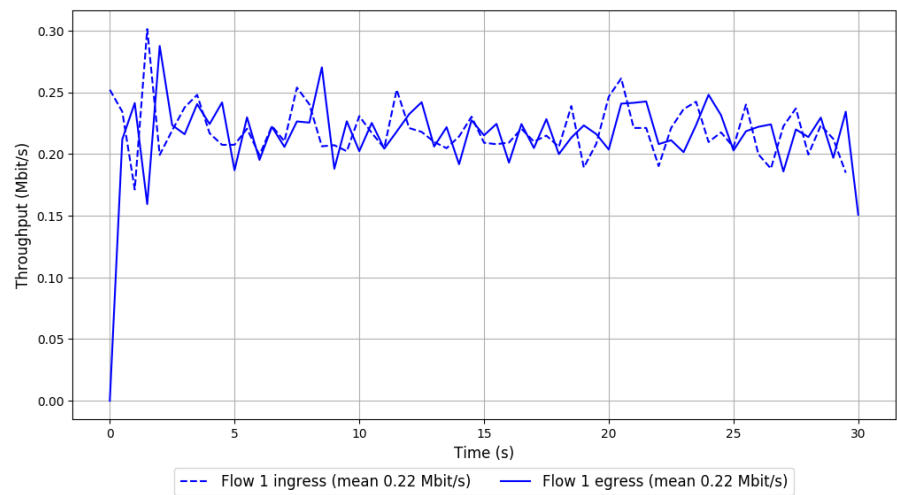
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.547 ms

Loss rate: 0.51%

Run 10: Report of SCRaM — Data Link

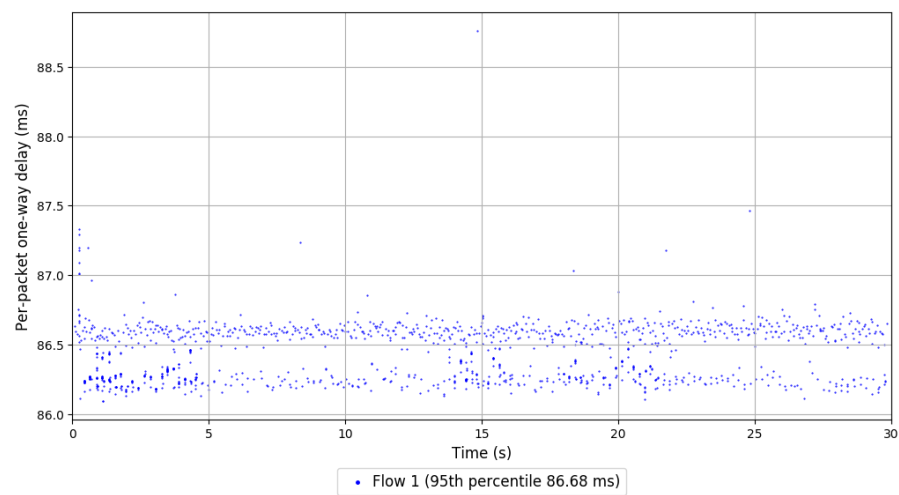
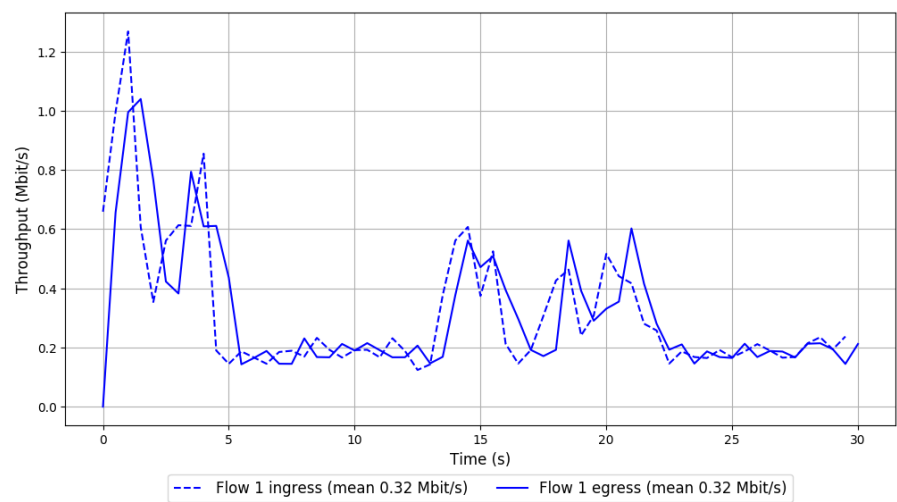


Run 1: Statistics of Sprout

Start at: 2018-07-18 10:40:41  
End at: 2018-07-18 10:41:11  
Local clock offset: 0.017 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 86.676 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 86.676 ms  
Loss rate: 0.61%

Run 1: Report of Sprout — Data Link

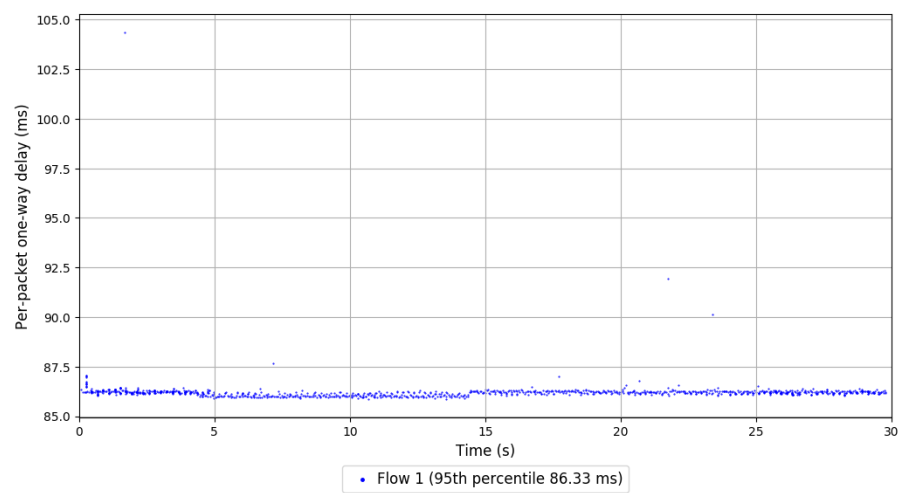
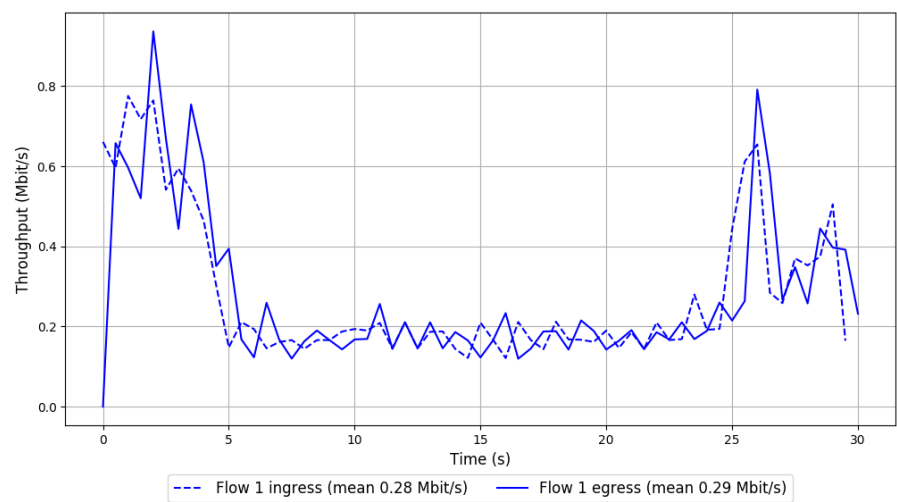


Run 2: Statistics of Sprout

Start at: 2018-07-18 11:02:39  
End at: 2018-07-18 11:03:09  
Local clock offset: -0.117 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 86.333 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 86.333 ms  
Loss rate: 0.28%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-18 11:24:29

End at: 2018-07-18 11:24:59

Local clock offset: -0.25 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.362 ms

Loss rate: 0.49%

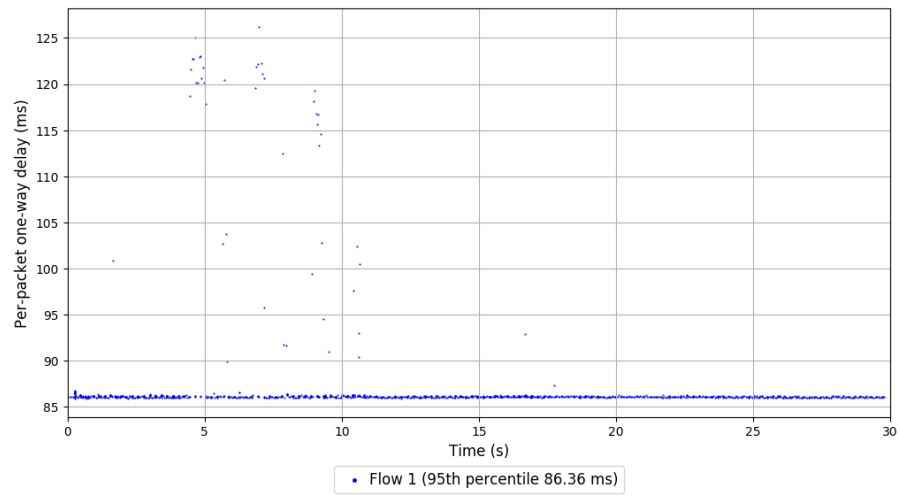
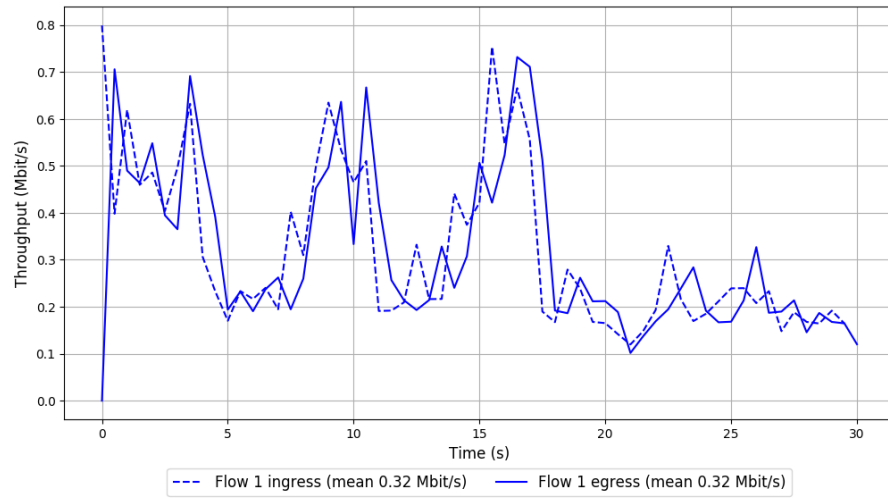
-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.362 ms

Loss rate: 0.49%

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



Run 4: Statistics of Sprout

Start at: 2018-07-18 11:46:11

End at: 2018-07-18 11:46:41

Local clock offset: 0.088 ms

Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.826 ms

Loss rate: 0.83%

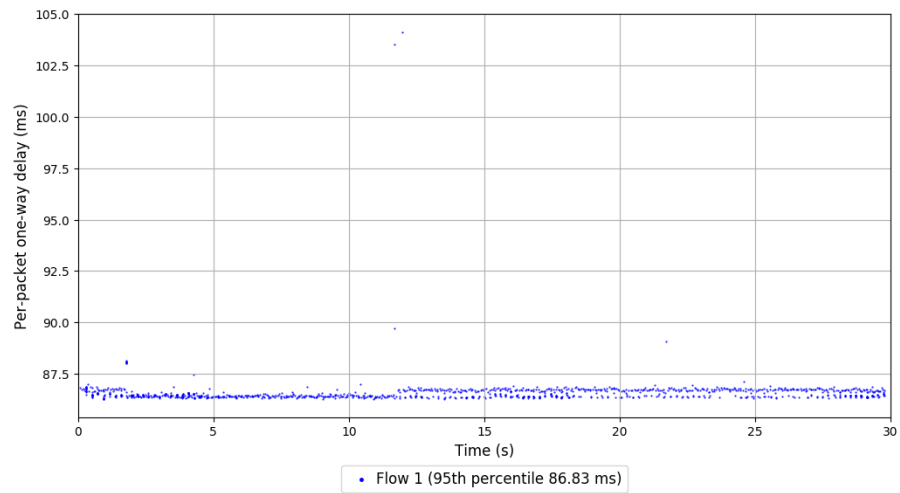
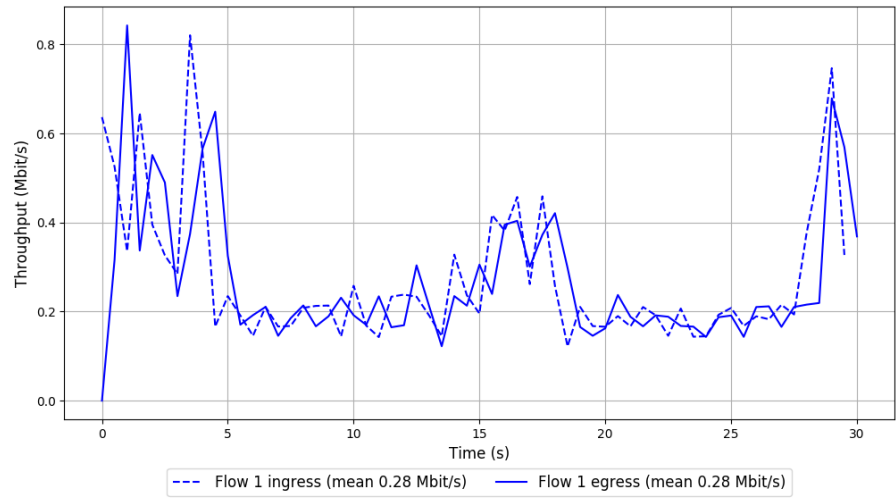
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.826 ms

Loss rate: 0.83%

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



Run 5: Statistics of Sprout

Start at: 2018-07-18 12:07:51

End at: 2018-07-18 12:08:21

Local clock offset: -0.148 ms

Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.544 ms

Loss rate: 0.35%

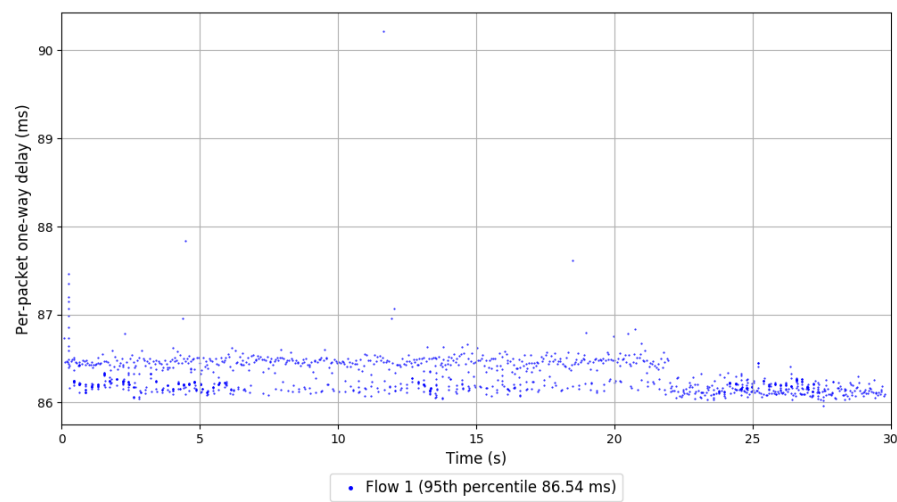
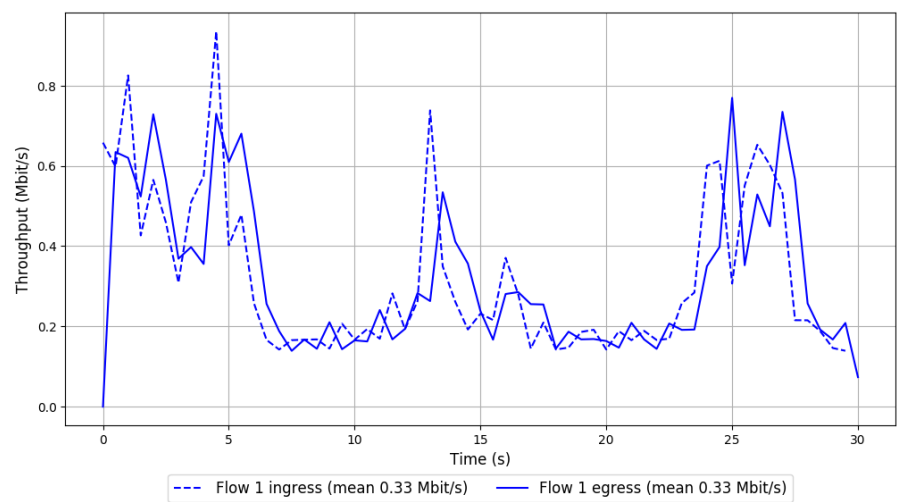
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.544 ms

Loss rate: 0.35%

Run 5: Report of Sprout — Data Link

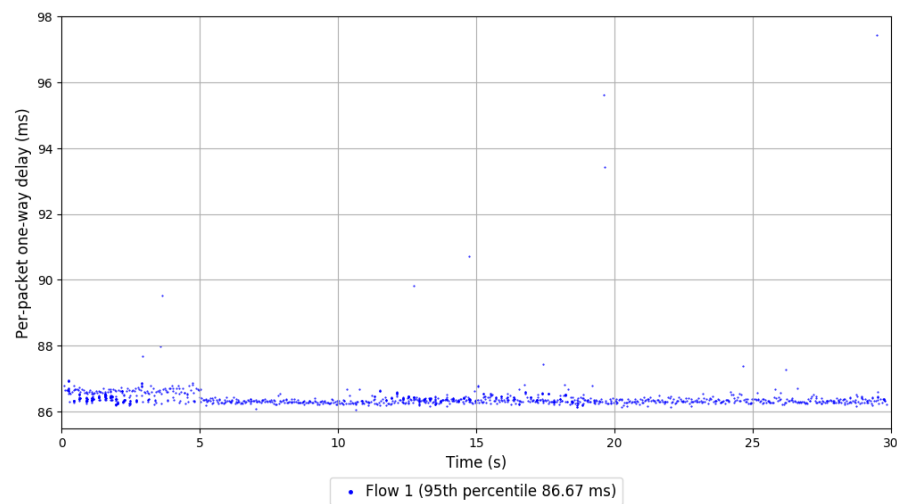
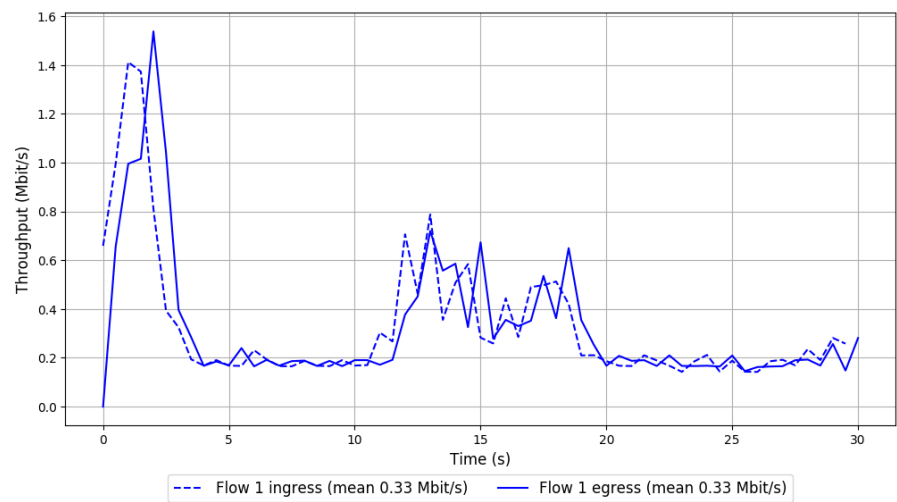


Run 6: Statistics of Sprout

Start at: 2018-07-18 12:29:48  
End at: 2018-07-18 12:30:18  
Local clock offset: -0.061 ms  
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 86.669 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 86.669 ms  
Loss rate: 0.57%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-18 12:52:05

End at: 2018-07-18 12:52:35

Local clock offset: 0.074 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.575 ms

Loss rate: 0.33%

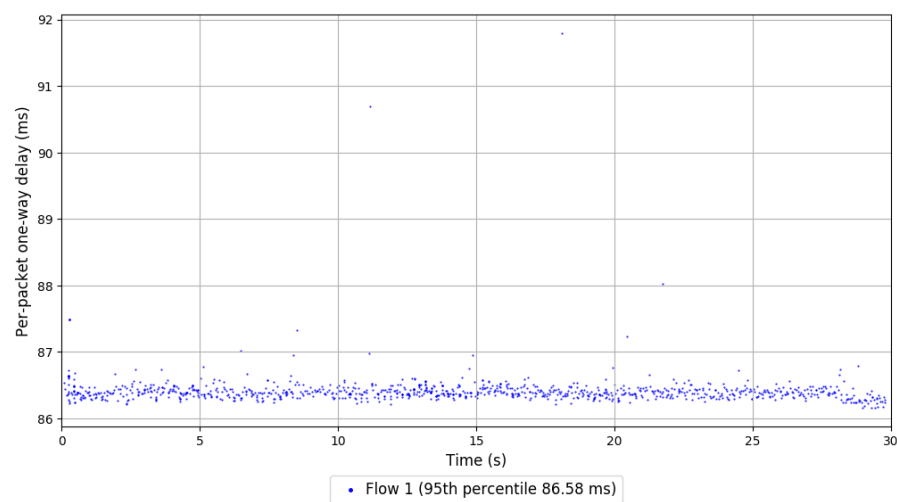
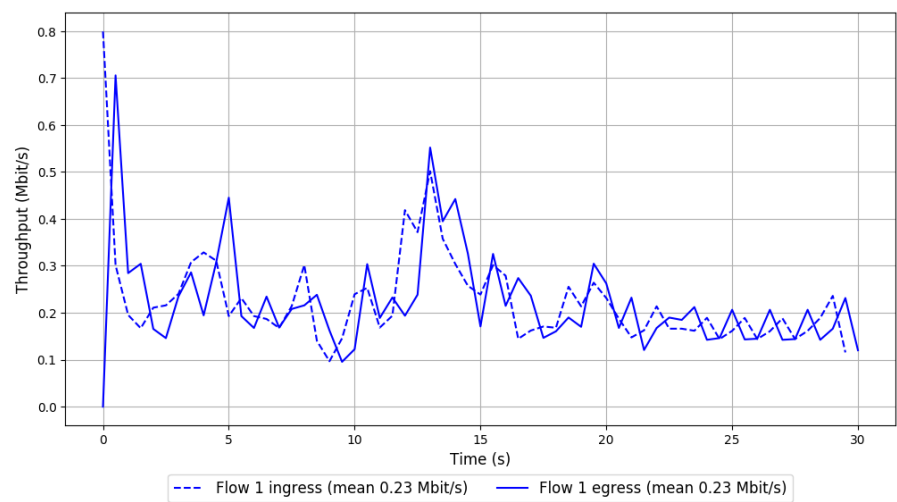
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.575 ms

Loss rate: 0.33%

Run 7: Report of Sprout — Data Link

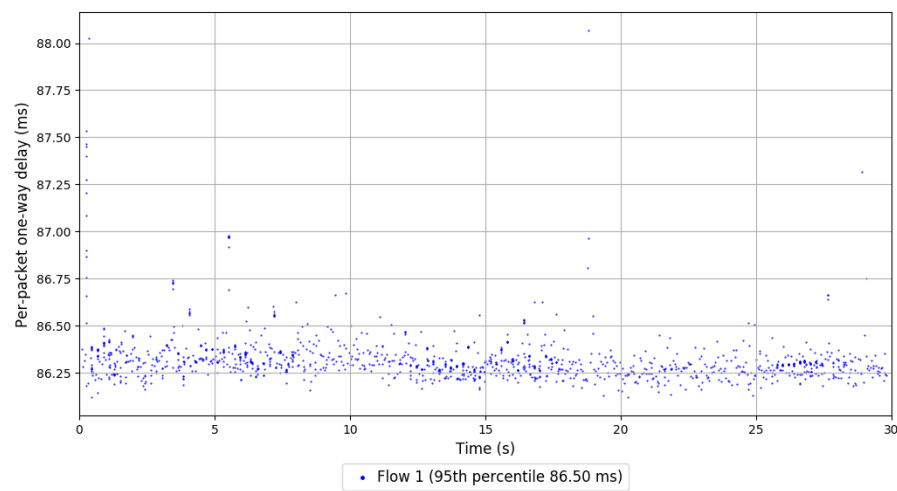
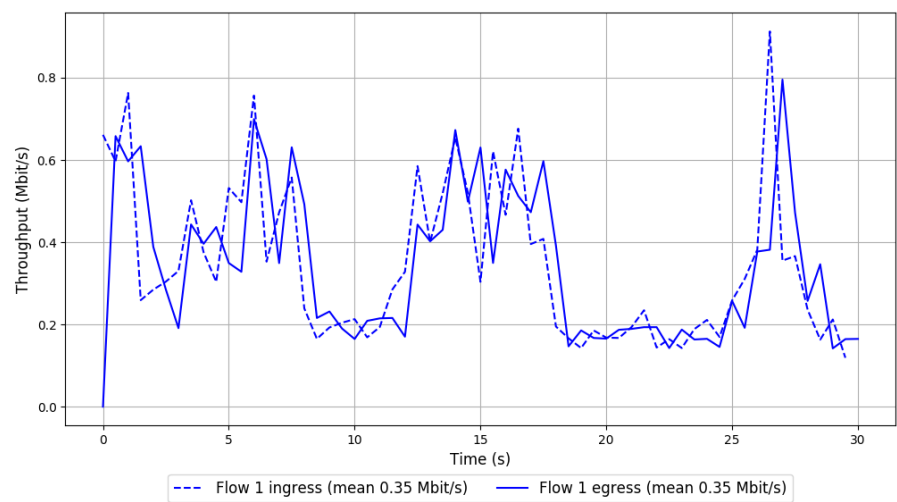


Run 8: Statistics of Sprout

Start at: 2018-07-18 13:14:01  
End at: 2018-07-18 13:14:31  
Local clock offset: -0.004 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 86.505 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 86.505 ms  
Loss rate: 0.12%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-18 13:35:40

End at: 2018-07-18 13:36:10

Local clock offset: 0.005 ms

Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-07-18 15:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 86.874 ms

Loss rate: 0.50%

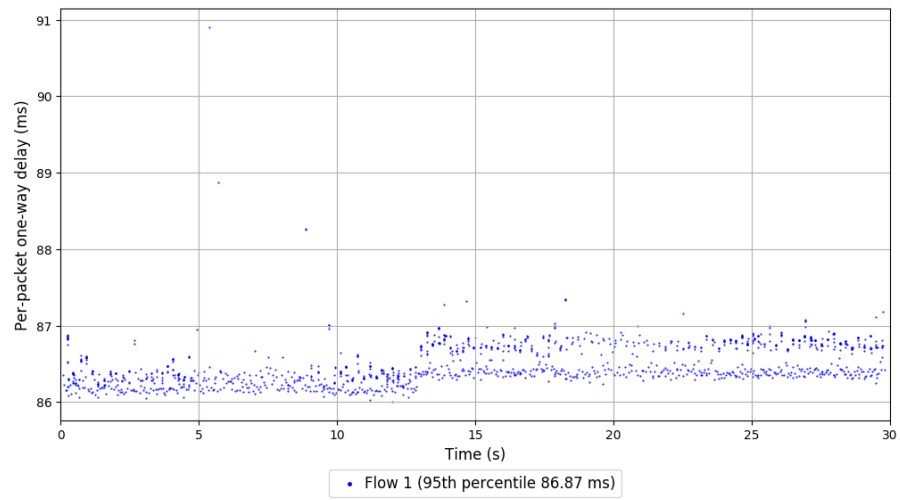
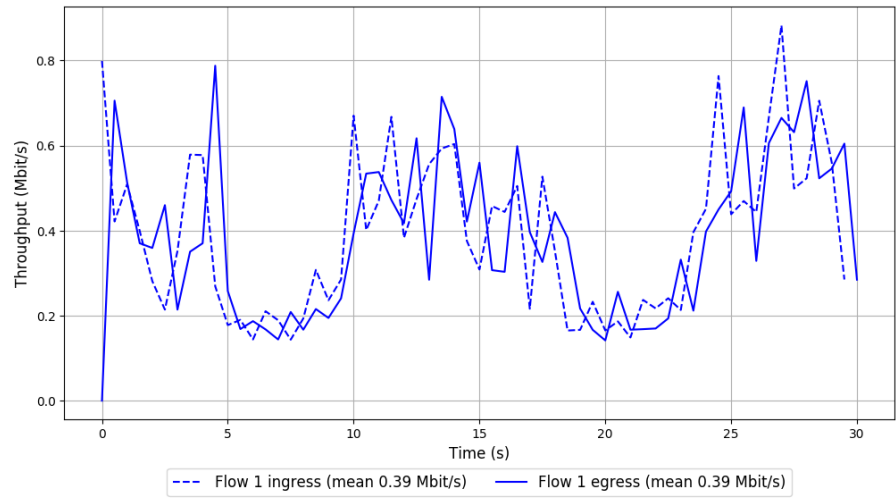
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 86.874 ms

Loss rate: 0.50%

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

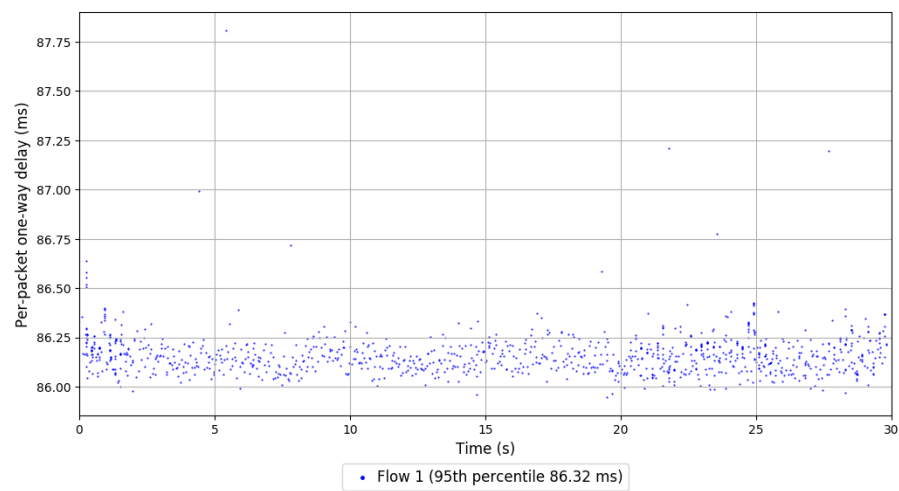
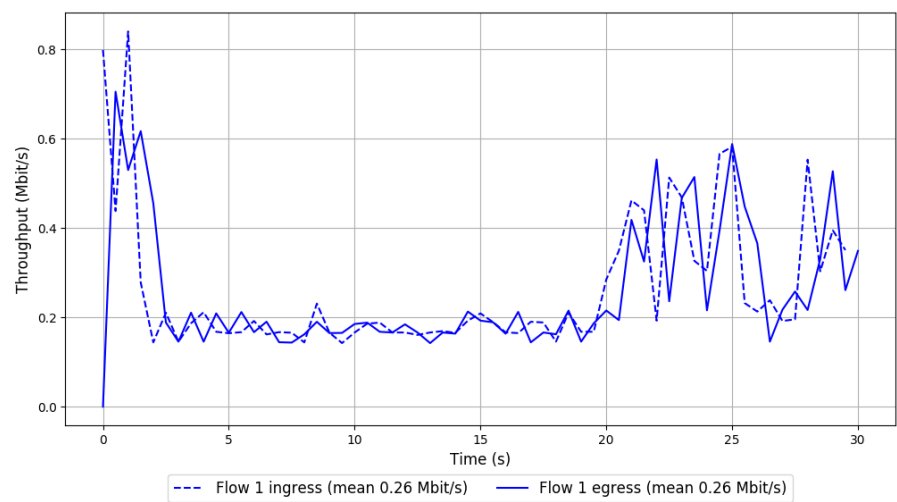


Run 10: Statistics of Sprout

Start at: 2018-07-18 13:57:35  
End at: 2018-07-18 13:58:05  
Local clock offset: -0.258 ms  
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-07-18 15:15:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 86.317 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 86.317 ms  
Loss rate: 0.87%

Run 10: Report of Sprout — Data Link

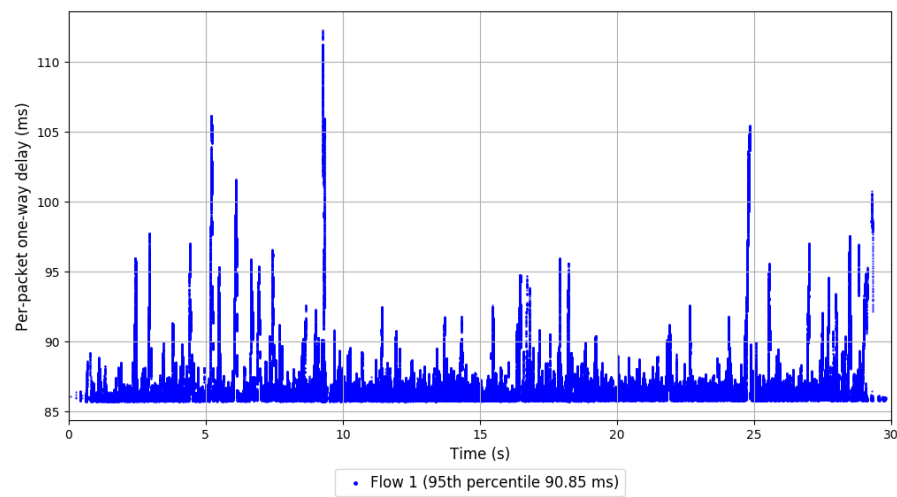
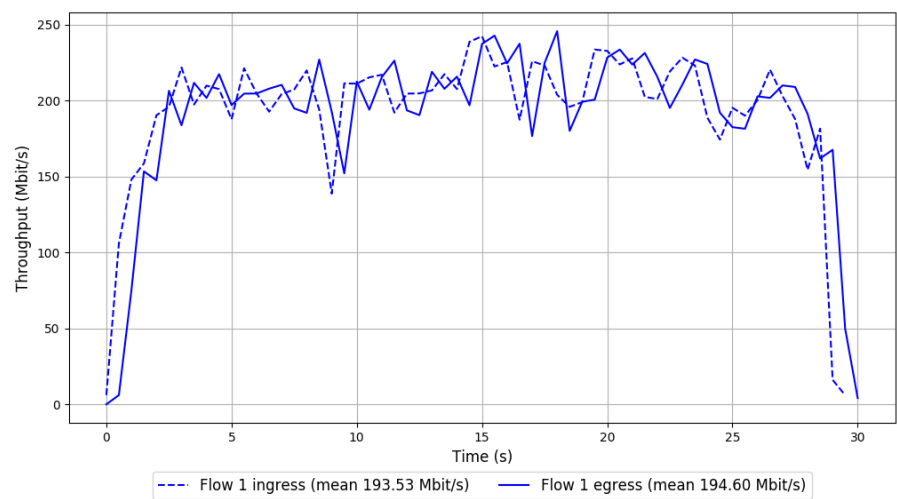


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 10:35:14
End at: 2018-07-18 10:35:44
Local clock offset: -0.175 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-07-18 15:15:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.60 Mbit/s
95th percentile per-packet one-way delay: 90.847 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 194.60 Mbit/s
95th percentile per-packet one-way delay: 90.847 ms
Loss rate: 0.03%
```

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

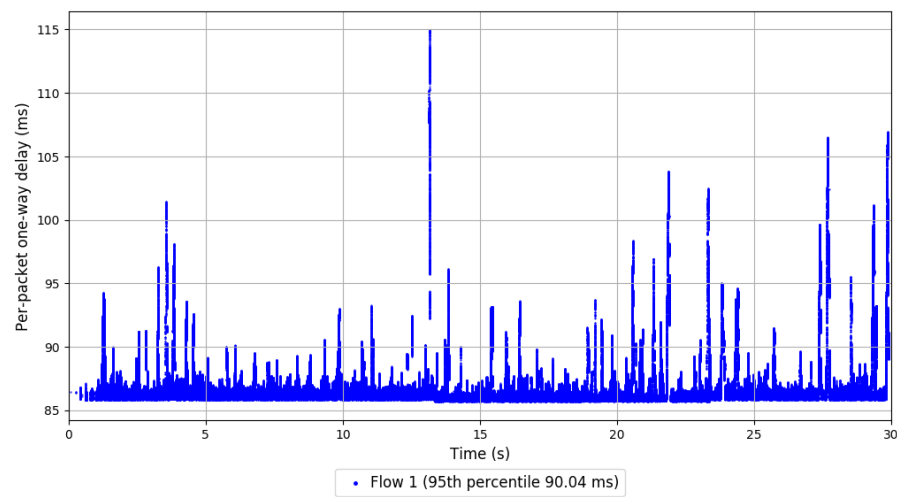
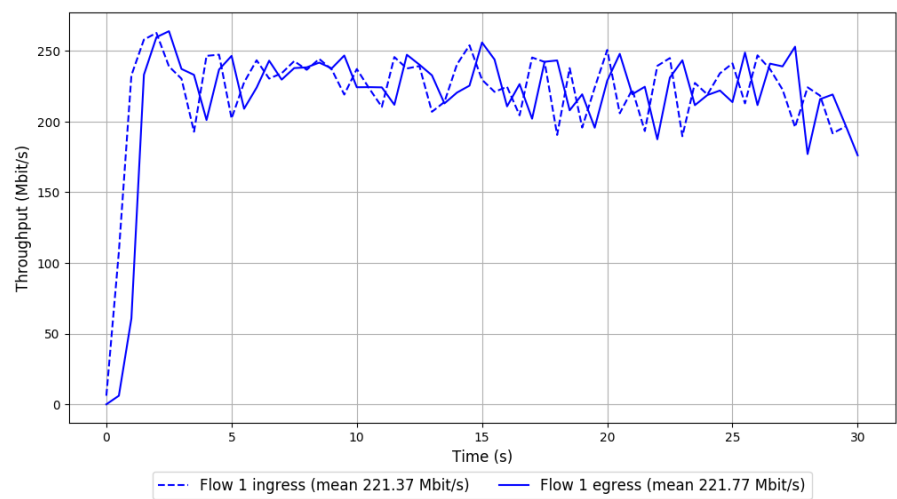


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 10:57:10  
End at: 2018-07-18 10:57:40  
Local clock offset: -0.233 ms  
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-07-18 15:16:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 221.77 Mbit/s  
95th percentile per-packet one-way delay: 90.039 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 221.77 Mbit/s  
95th percentile per-packet one-way delay: 90.039 ms  
Loss rate: 0.40%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 11:19:21

End at: 2018-07-18 11:19:51

Local clock offset: -0.172 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-07-18 15:16:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 216.78 Mbit/s

95th percentile per-packet one-way delay: 89.289 ms

Loss rate: 0.72%

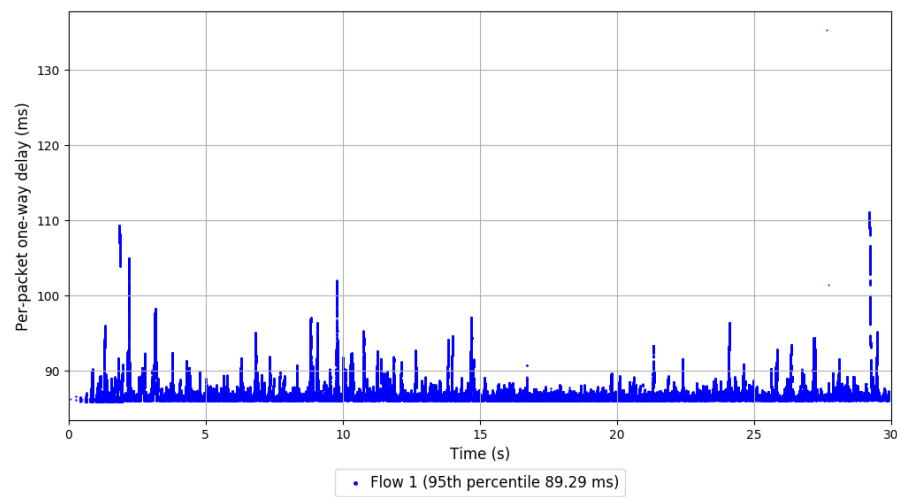
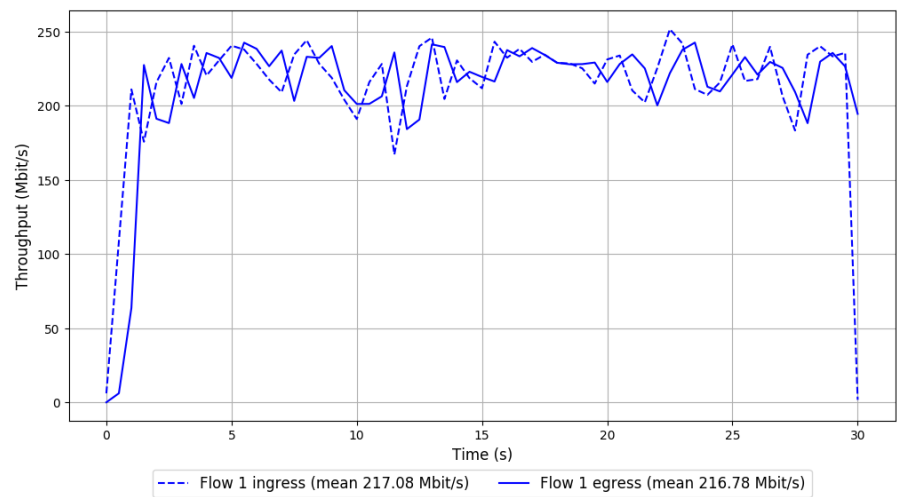
-- Flow 1:

Average throughput: 216.78 Mbit/s

95th percentile per-packet one-way delay: 89.289 ms

Loss rate: 0.72%

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

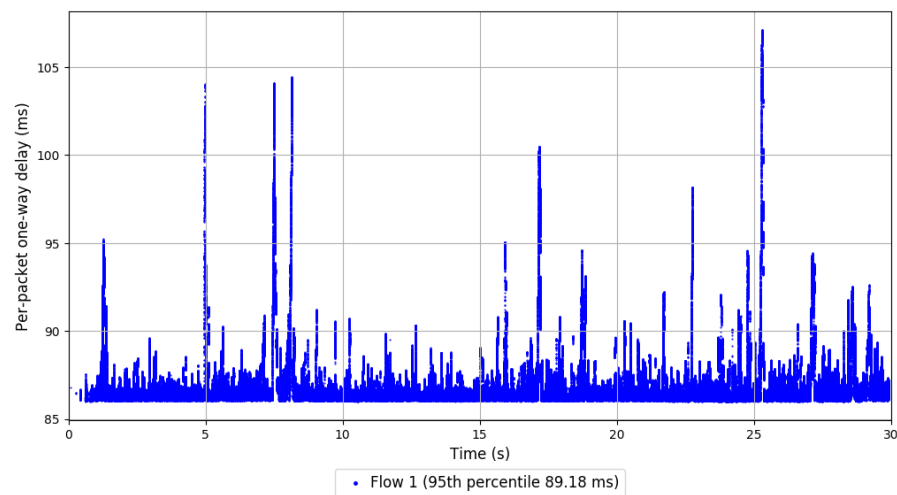
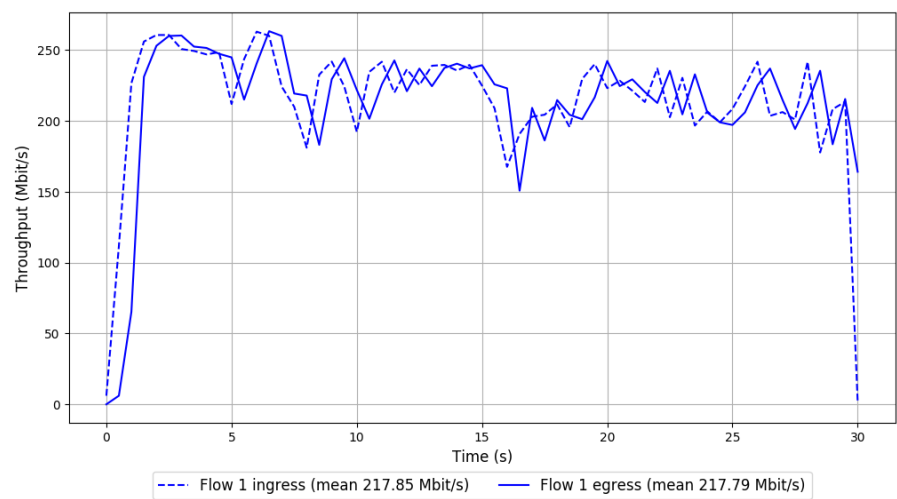


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 11:40:44  
End at: 2018-07-18 11:41:14  
Local clock offset: -0.108 ms  
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-18 15:16:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 217.79 Mbit/s  
95th percentile per-packet one-way delay: 89.181 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 217.79 Mbit/s  
95th percentile per-packet one-way delay: 89.181 ms  
Loss rate: 0.61%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 12:02:23

End at: 2018-07-18 12:02:53

Local clock offset: -0.195 ms

Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-18 15:19:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 208.50 Mbit/s

95th percentile per-packet one-way delay: 90.095 ms

Loss rate: 0.65%

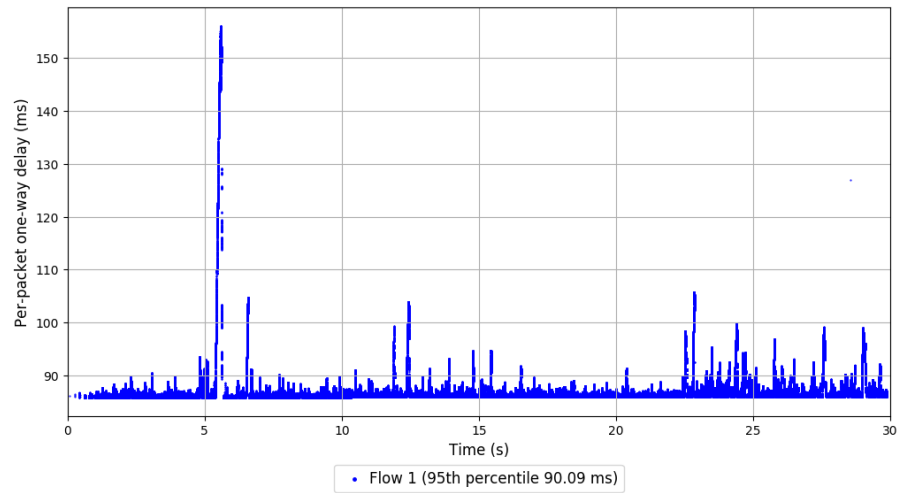
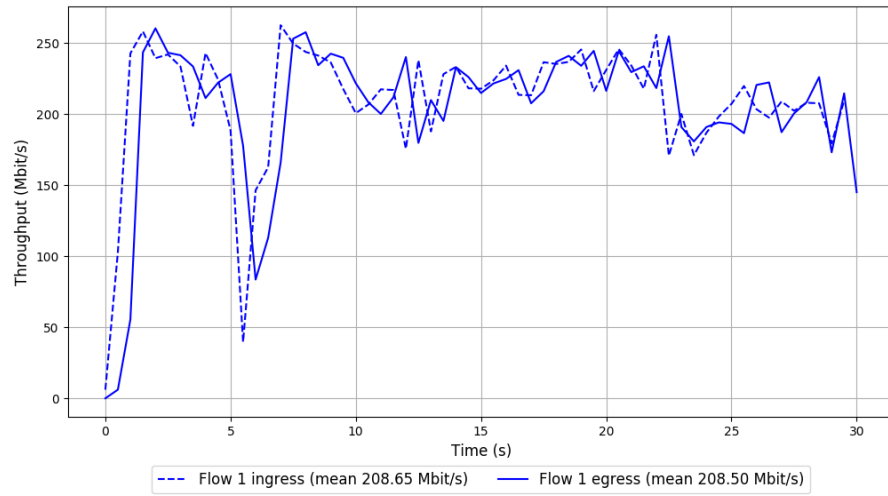
-- Flow 1:

Average throughput: 208.50 Mbit/s

95th percentile per-packet one-way delay: 90.095 ms

Loss rate: 0.65%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 12:24:24

End at: 2018-07-18 12:24:54

Local clock offset: -0.079 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-07-18 15:20:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 206.92 Mbit/s

95th percentile per-packet one-way delay: 90.215 ms

Loss rate: 0.69%

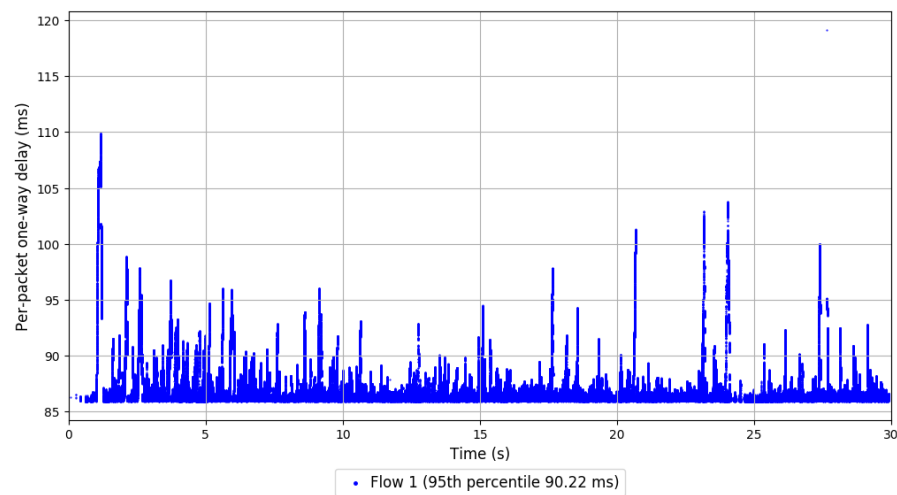
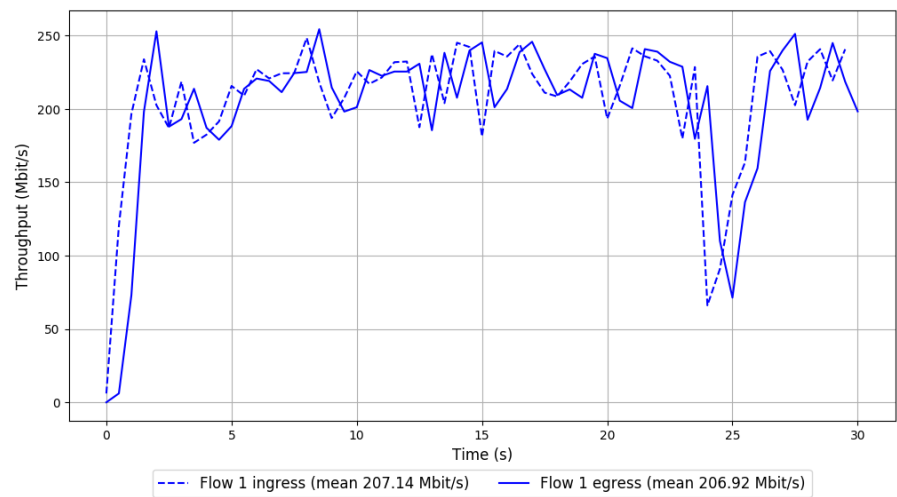
-- Flow 1:

Average throughput: 206.92 Mbit/s

95th percentile per-packet one-way delay: 90.215 ms

Loss rate: 0.69%

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

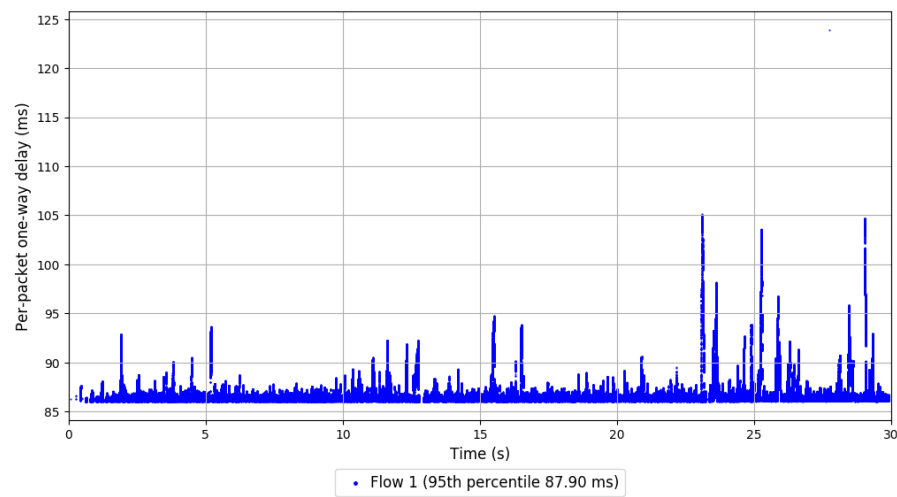
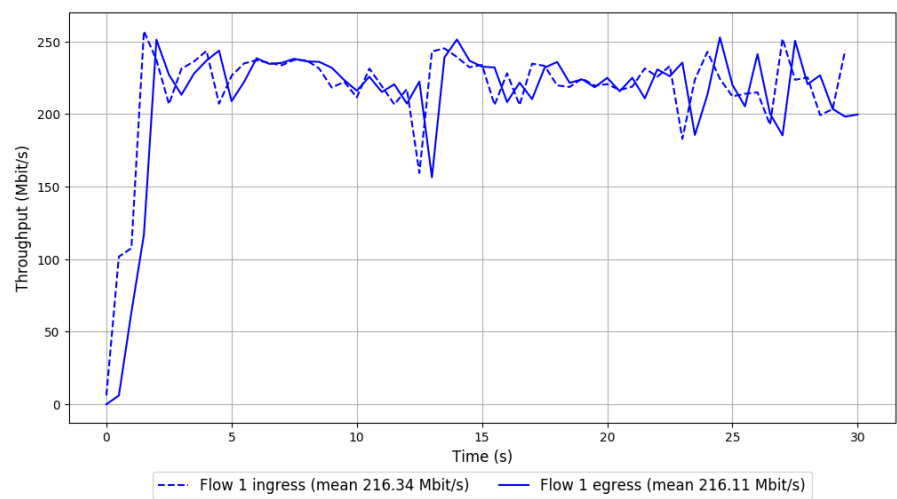


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 12:46:38  
End at: 2018-07-18 12:47:08  
Local clock offset: 0.009 ms  
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-07-18 15:20:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 216.11 Mbit/s  
95th percentile per-packet one-way delay: 87.902 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 216.11 Mbit/s  
95th percentile per-packet one-way delay: 87.902 ms  
Loss rate: 0.68%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 13:08:47

End at: 2018-07-18 13:09:17

Local clock offset: -0.18 ms

Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-07-18 15:23:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 218.12 Mbit/s

95th percentile per-packet one-way delay: 87.245 ms

Loss rate: 0.58%

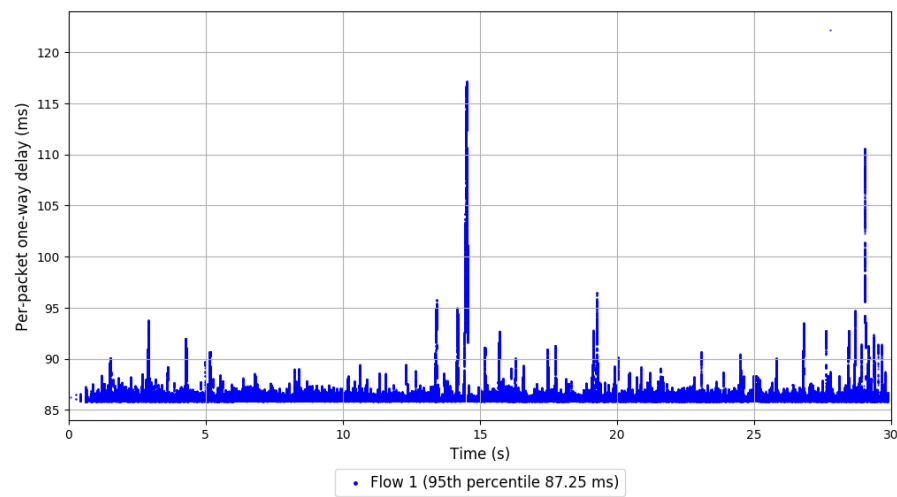
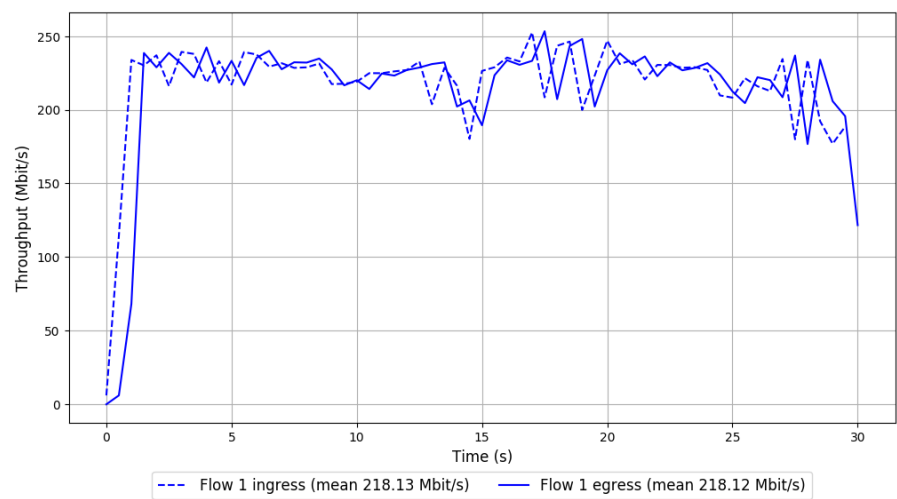
-- Flow 1:

Average throughput: 218.12 Mbit/s

95th percentile per-packet one-way delay: 87.245 ms

Loss rate: 0.58%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 13:30:16

End at: 2018-07-18 13:30:46

Local clock offset: 0.091 ms

Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-07-18 15:23:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 174.18 Mbit/s

95th percentile per-packet one-way delay: 90.907 ms

Loss rate: 0.74%

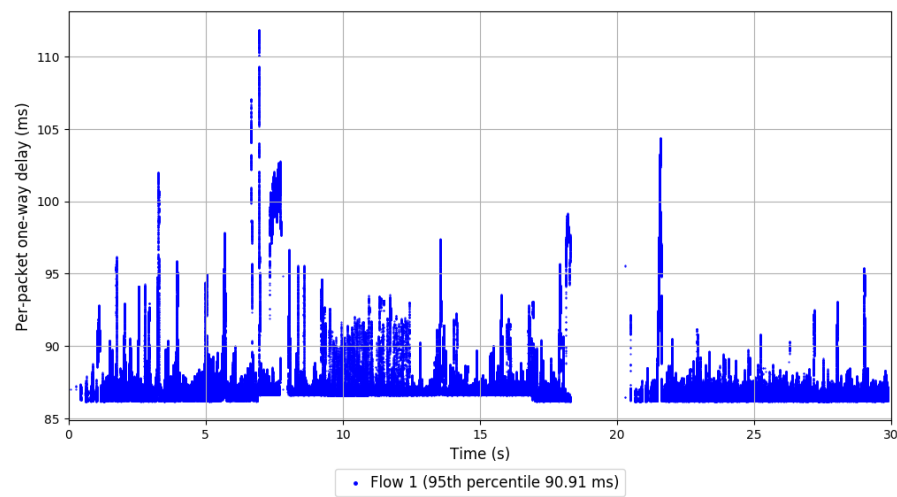
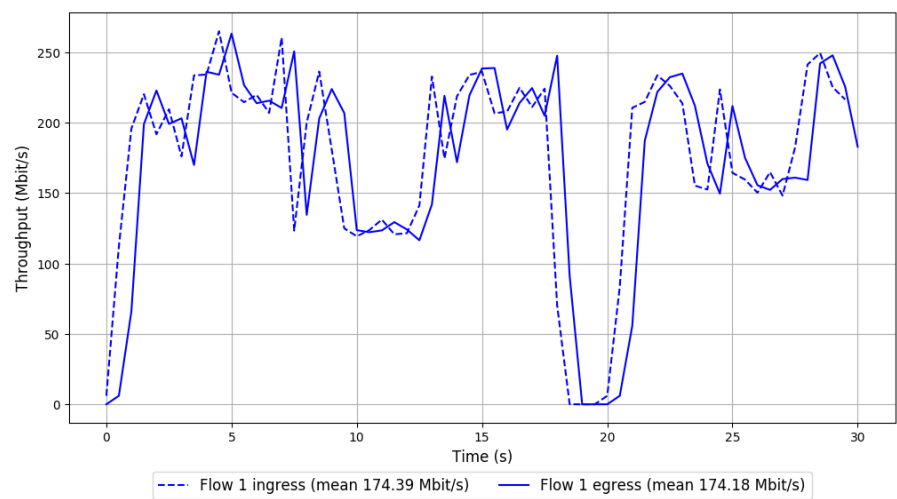
-- Flow 1:

Average throughput: 174.18 Mbit/s

95th percentile per-packet one-way delay: 90.907 ms

Loss rate: 0.74%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 13:52:07

End at: 2018-07-18 13:52:37

Local clock offset: -0.25 ms

Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2018-07-18 15:24:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 217.67 Mbit/s

95th percentile per-packet one-way delay: 87.282 ms

Loss rate: 0.62%

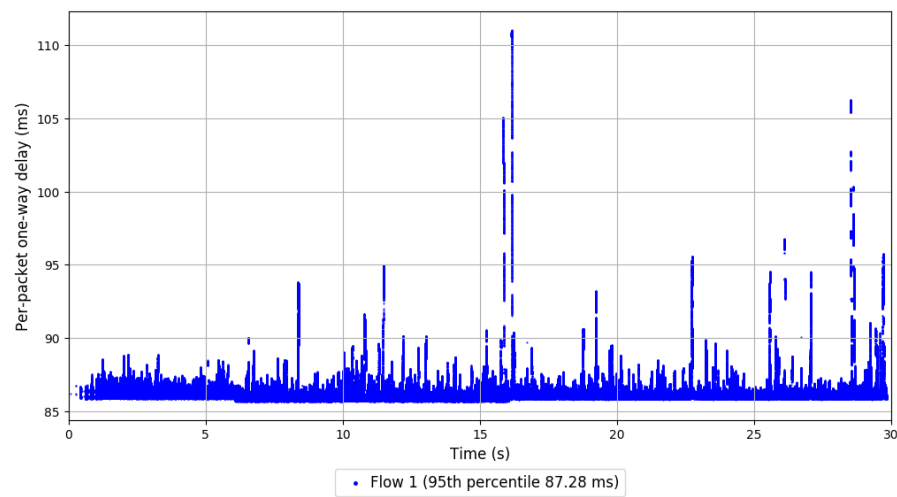
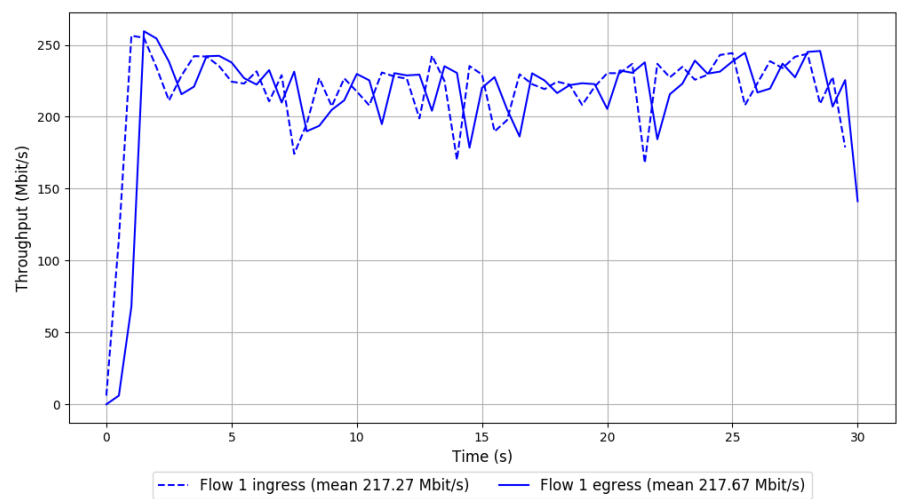
-- Flow 1:

Average throughput: 217.67 Mbit/s

95th percentile per-packet one-way delay: 87.282 ms

Loss rate: 0.62%

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

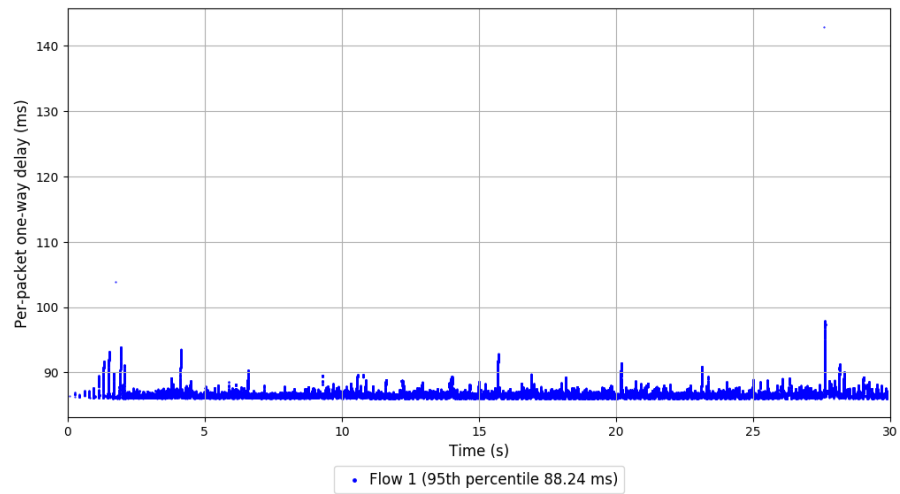
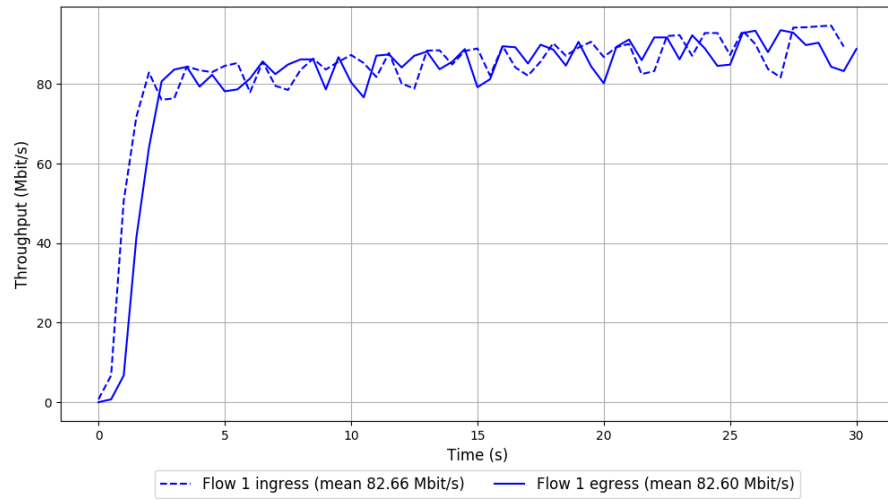


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 10:30:12  
End at: 2018-07-18 10:30:42  
Local clock offset: 0.014 ms  
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-07-18 15:24:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.60 Mbit/s  
95th percentile per-packet one-way delay: 88.242 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 82.60 Mbit/s  
95th percentile per-packet one-way delay: 88.242 ms  
Loss rate: 0.64%

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

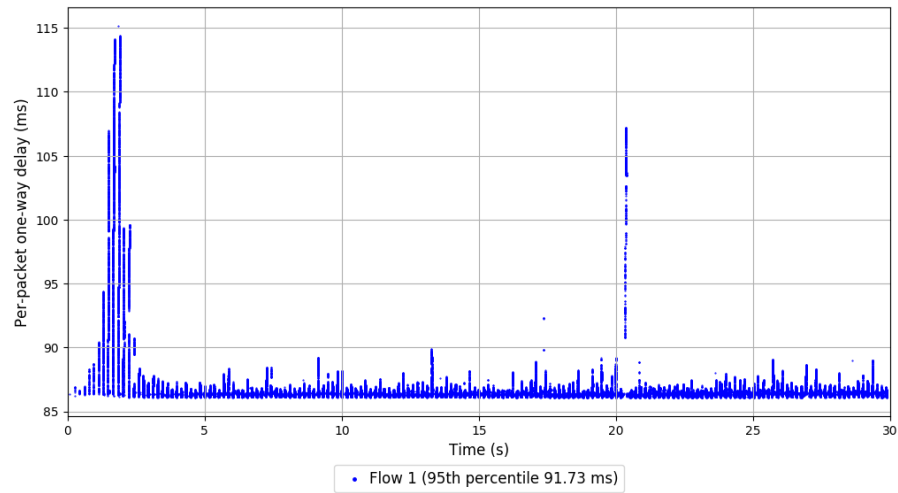
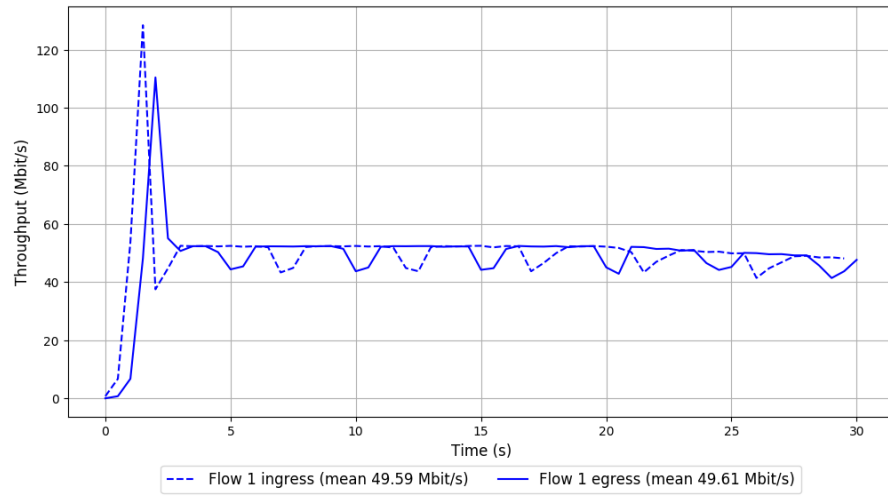


Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 10:52:06  
End at: 2018-07-18 10:52:36  
Local clock offset: 0.091 ms  
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-07-18 15:24:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 49.61 Mbit/s  
95th percentile per-packet one-way delay: 91.735 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 49.61 Mbit/s  
95th percentile per-packet one-way delay: 91.735 ms  
Loss rate: 0.54%

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

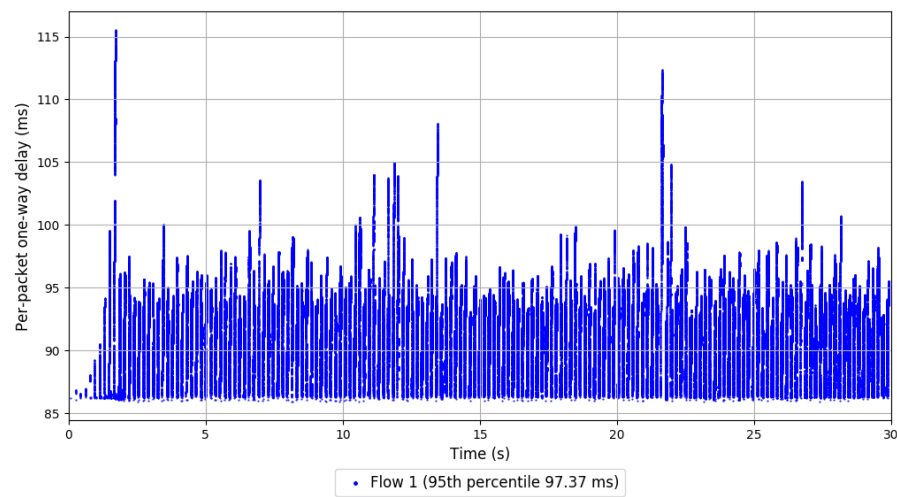
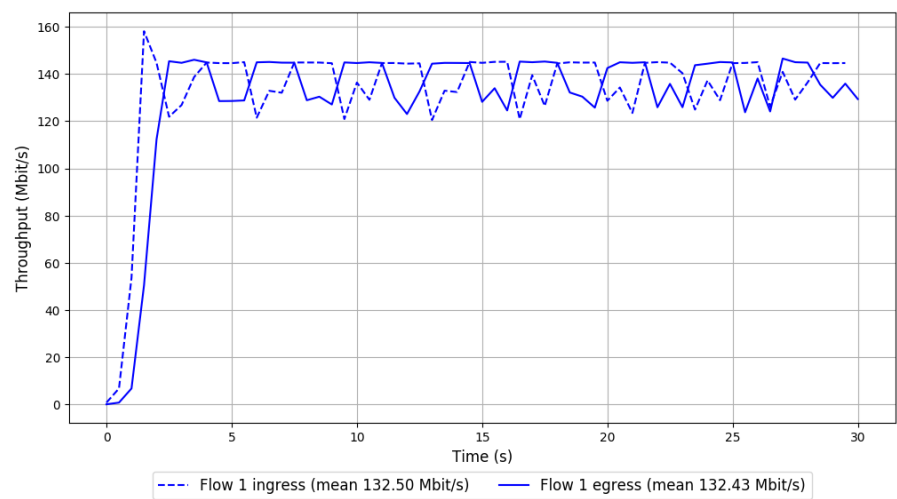


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 11:14:05  
End at: 2018-07-18 11:14:35  
Local clock offset: -0.123 ms  
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-07-18 15:24:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 132.43 Mbit/s  
95th percentile per-packet one-way delay: 97.367 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 132.43 Mbit/s  
95th percentile per-packet one-way delay: 97.367 ms  
Loss rate: 0.61%

Run 3: Report of TCP Vegas — Data Link

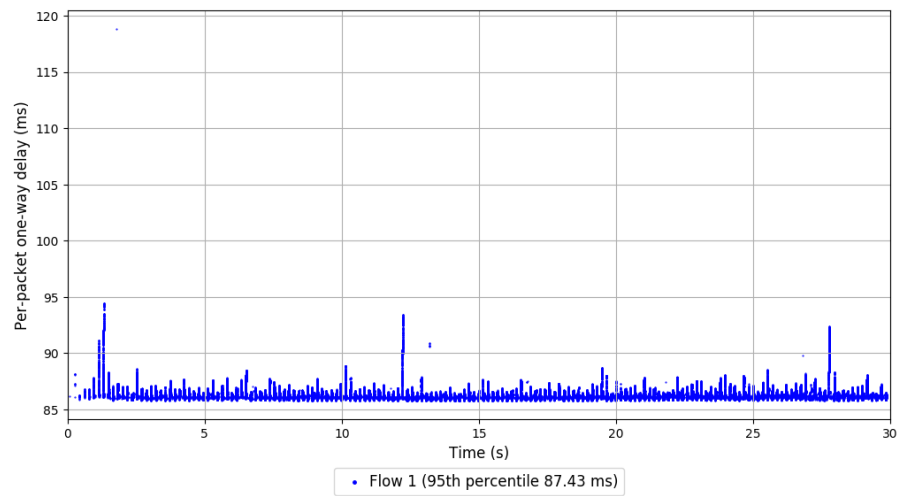
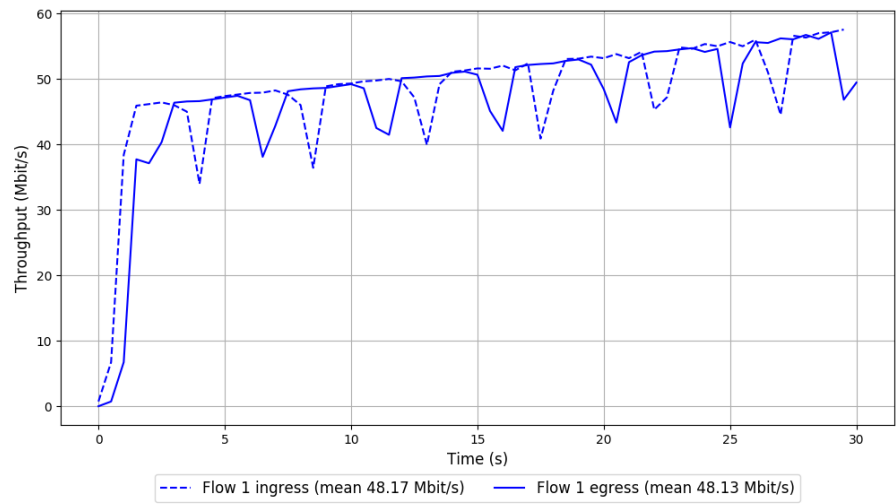


Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 11:35:33  
End at: 2018-07-18 11:36:03  
Local clock offset: -0.341 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-07-18 15:24:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.13 Mbit/s  
95th percentile per-packet one-way delay: 87.430 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 48.13 Mbit/s  
95th percentile per-packet one-way delay: 87.430 ms  
Loss rate: 0.66%

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



Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 11:57:10

End at: 2018-07-18 11:57:40

Local clock offset: -0.107 ms

Remote clock offset: -0.0 ms

# Below is generated by plot.py at 2018-07-18 15:24:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 127.14 Mbit/s

95th percentile per-packet one-way delay: 98.958 ms

Loss rate: 0.01%

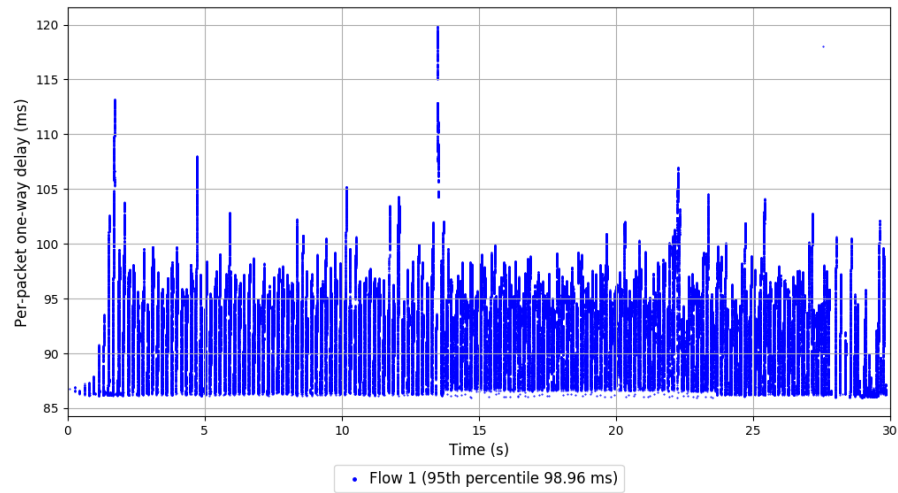
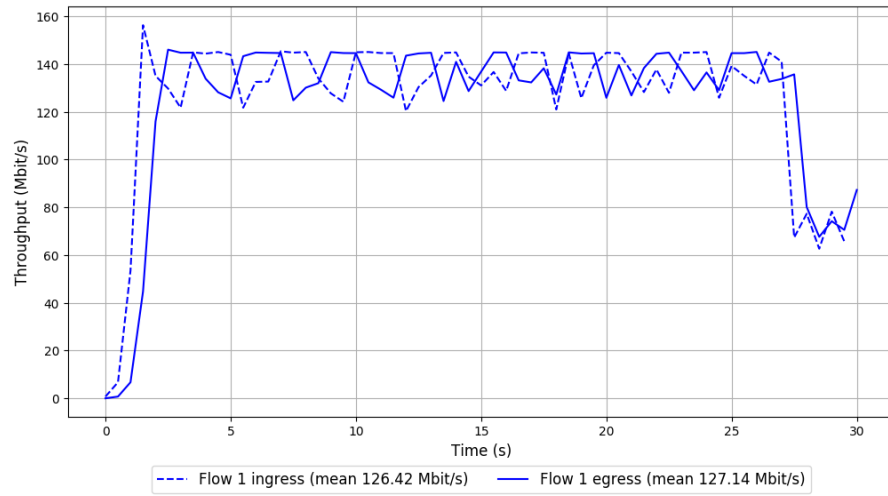
-- Flow 1:

Average throughput: 127.14 Mbit/s

95th percentile per-packet one-way delay: 98.958 ms

Loss rate: 0.01%

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

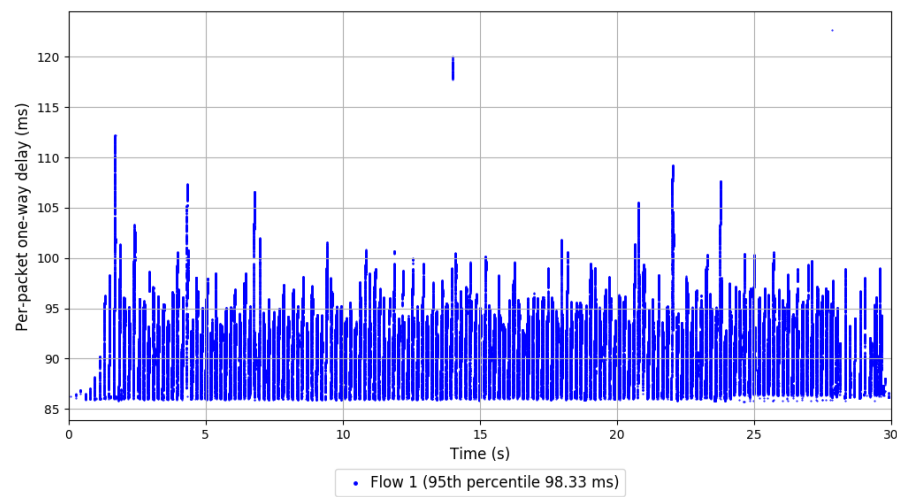
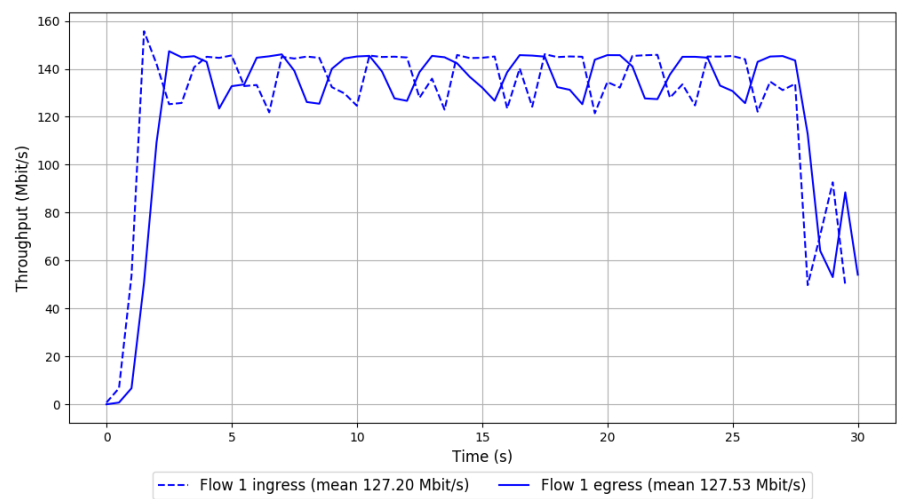


Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 12:19:09  
End at: 2018-07-18 12:19:39  
Local clock offset: -0.308 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-07-18 15:24:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 127.53 Mbit/s  
95th percentile per-packet one-way delay: 98.331 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 127.53 Mbit/s  
95th percentile per-packet one-way delay: 98.331 ms  
Loss rate: 0.33%

Run 6: Report of TCP Vegas — Data Link

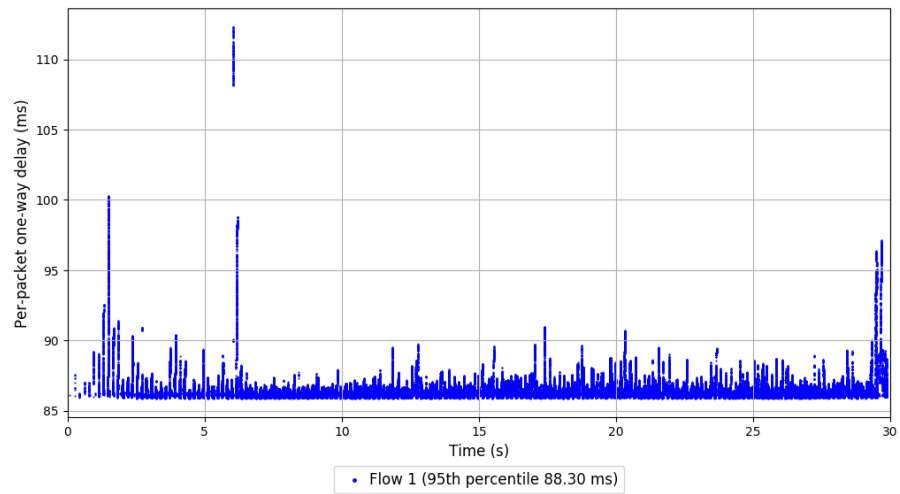
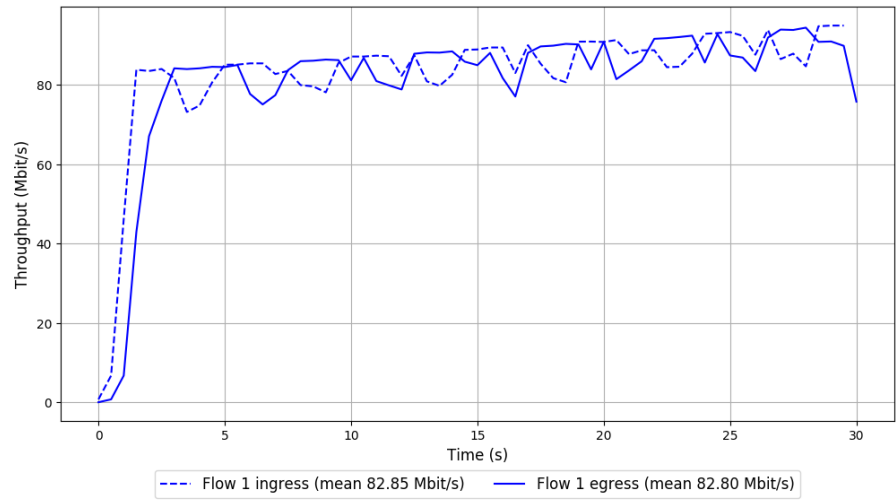


Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 12:41:17  
End at: 2018-07-18 12:41:47  
Local clock offset: -0.207 ms  
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-07-18 15:24:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.80 Mbit/s  
95th percentile per-packet one-way delay: 88.298 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 82.80 Mbit/s  
95th percentile per-packet one-way delay: 88.298 ms  
Loss rate: 0.64%

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

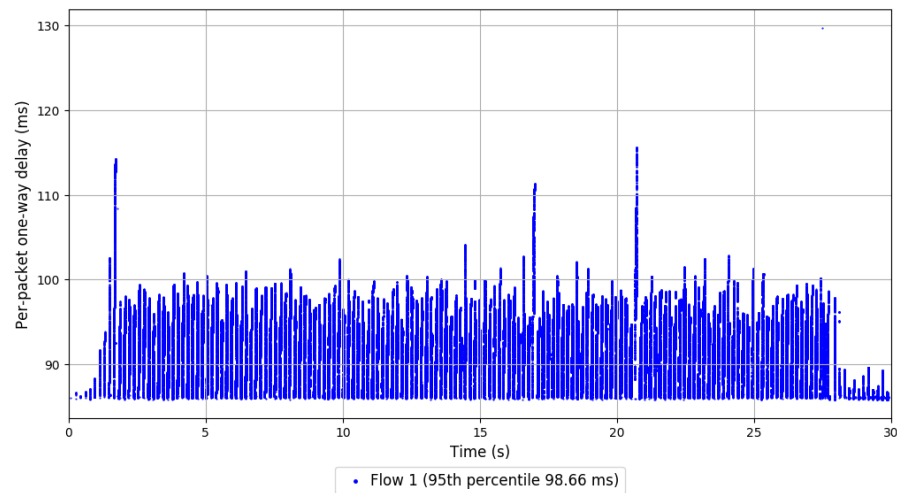
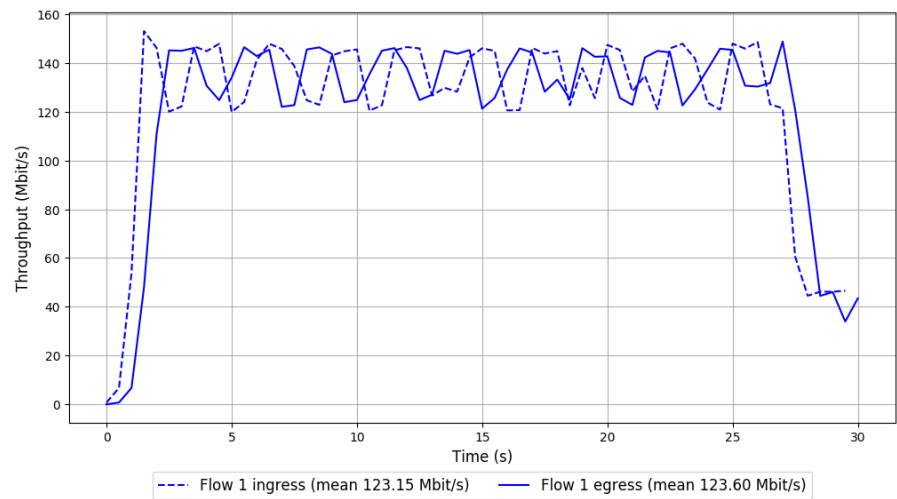


Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 13:03:29  
End at: 2018-07-18 13:03:59  
Local clock offset: -0.255 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-07-18 15:24:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 123.60 Mbit/s  
95th percentile per-packet one-way delay: 98.659 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 123.60 Mbit/s  
95th percentile per-packet one-way delay: 98.659 ms  
Loss rate: 0.21%

Run 8: Report of TCP Vegas — Data Link

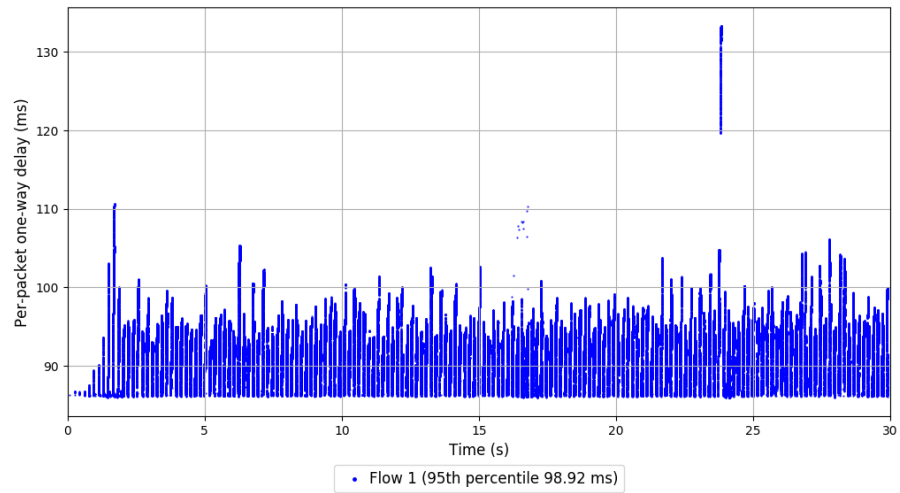
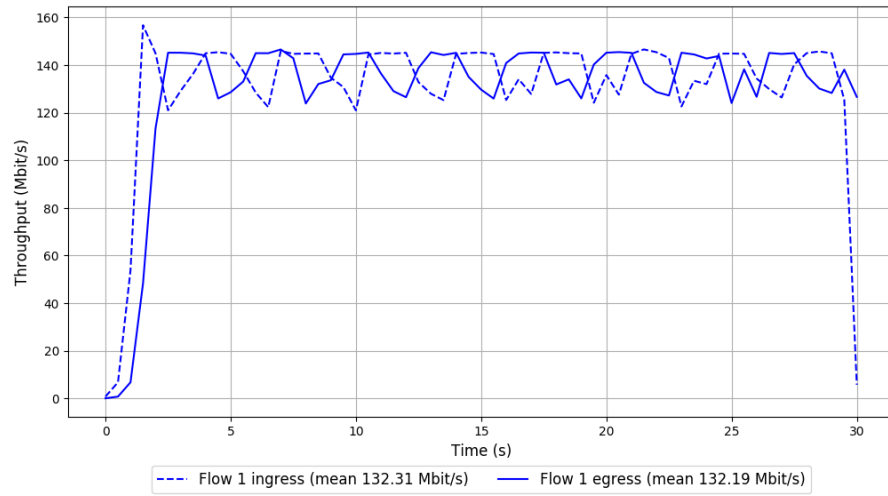


Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 13:24:59  
End at: 2018-07-18 13:25:29  
Local clock offset: -0.197 ms  
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-07-18 15:24:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 132.19 Mbit/s  
95th percentile per-packet one-way delay: 98.916 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 132.19 Mbit/s  
95th percentile per-packet one-way delay: 98.916 ms  
Loss rate: 0.66%

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



Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 13:46:55

End at: 2018-07-18 13:47:25

Local clock offset: -0.128 ms

Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2018-07-18 15:24:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 107.64 Mbit/s

95th percentile per-packet one-way delay: 97.385 ms

Loss rate: 0.28%

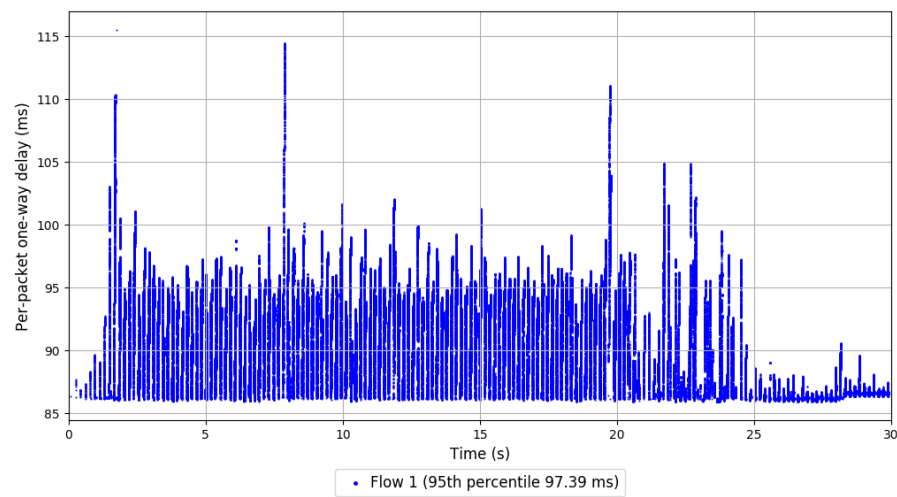
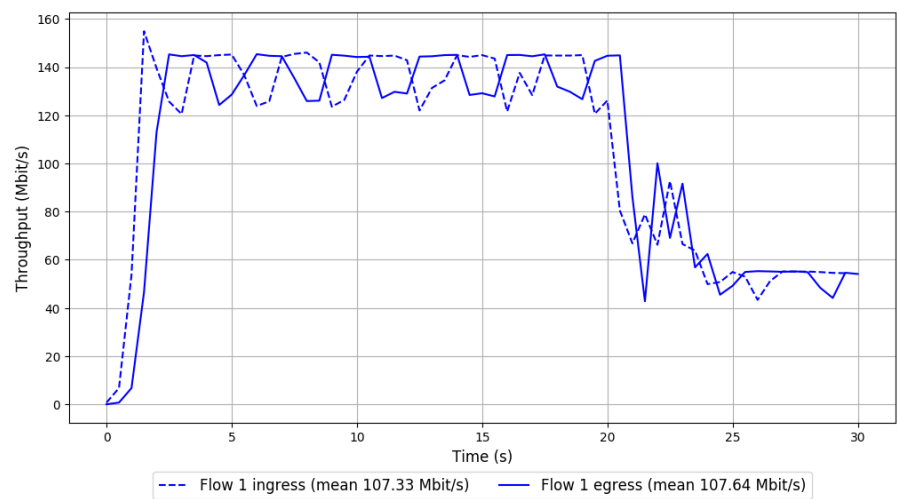
-- Flow 1:

Average throughput: 107.64 Mbit/s

95th percentile per-packet one-way delay: 97.385 ms

Loss rate: 0.28%

Run 10: Report of TCP Vegas — Data Link

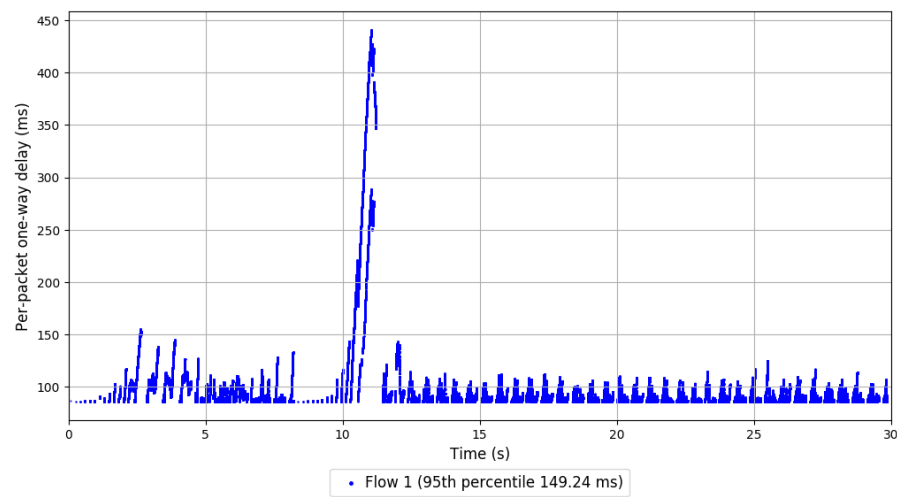
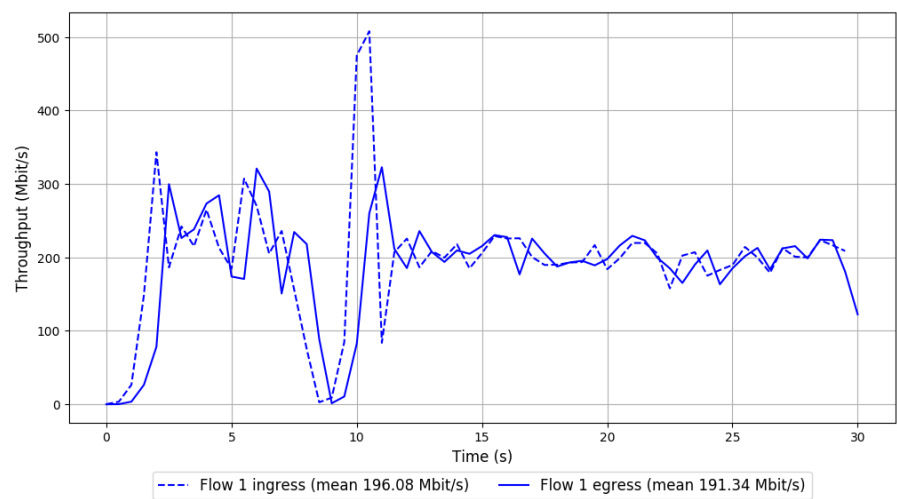


Run 1: Statistics of Verus

Start at: 2018-07-18 10:25:11  
End at: 2018-07-18 10:25:41  
Local clock offset: -0.21 ms  
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-07-18 15:25:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 191.34 Mbit/s  
95th percentile per-packet one-way delay: 149.242 ms  
Loss rate: 2.98%  
-- Flow 1:  
Average throughput: 191.34 Mbit/s  
95th percentile per-packet one-way delay: 149.242 ms  
Loss rate: 2.98%

Run 1: Report of Verus — Data Link

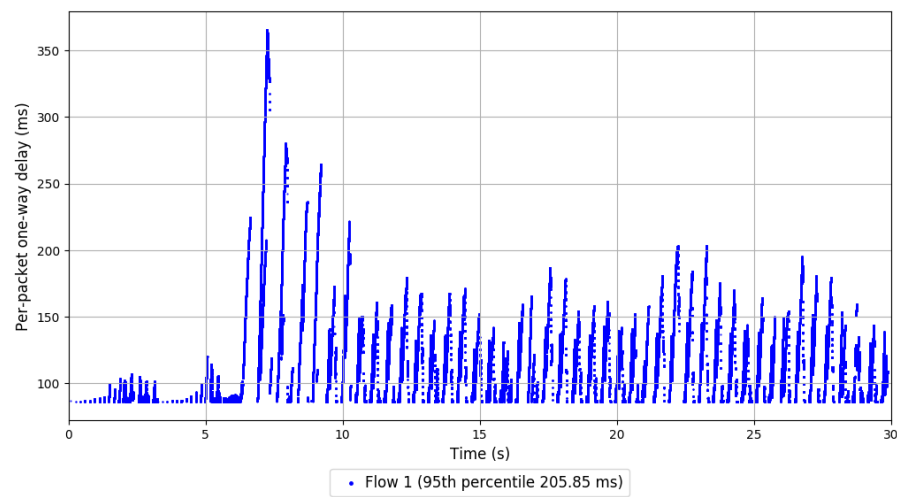
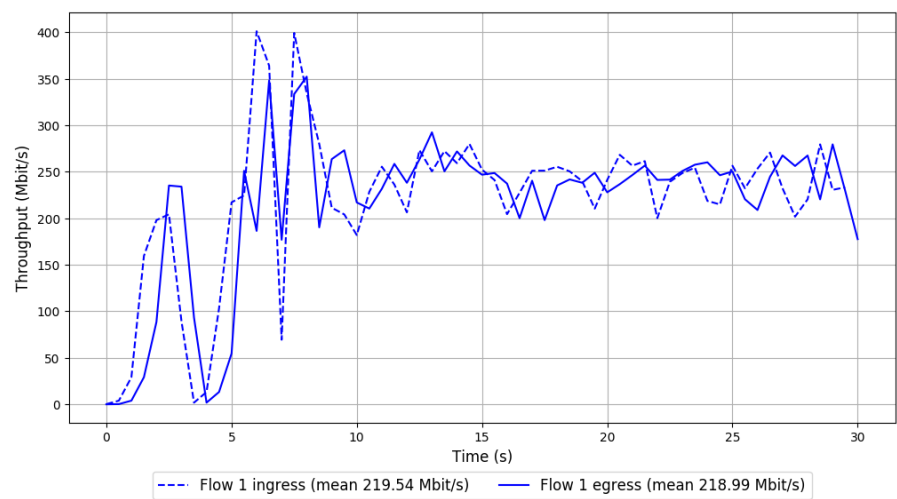


Run 2: Statistics of Verus

Start at: 2018-07-18 10:47:01  
End at: 2018-07-18 10:47:31  
Local clock offset: 0.025 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-07-18 15:26:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 218.99 Mbit/s  
95th percentile per-packet one-way delay: 205.847 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 218.99 Mbit/s  
95th percentile per-packet one-way delay: 205.847 ms  
Loss rate: 0.80%

Run 2: Report of Verus — Data Link

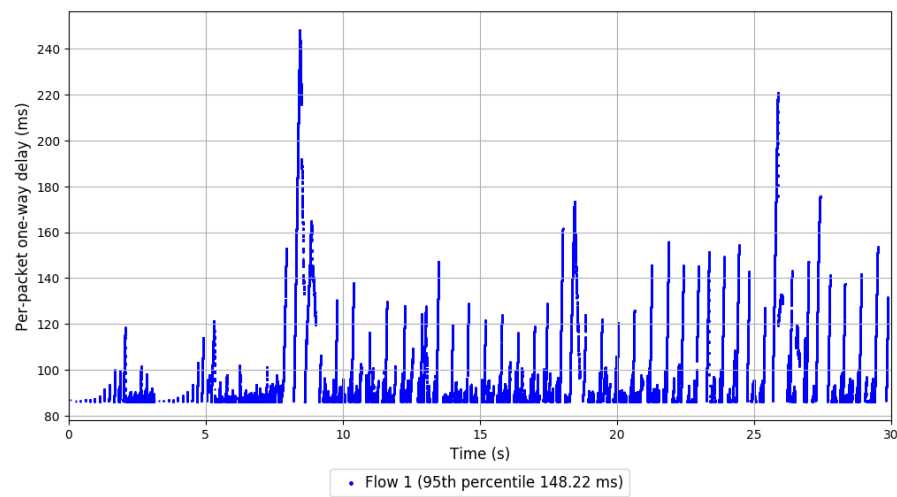
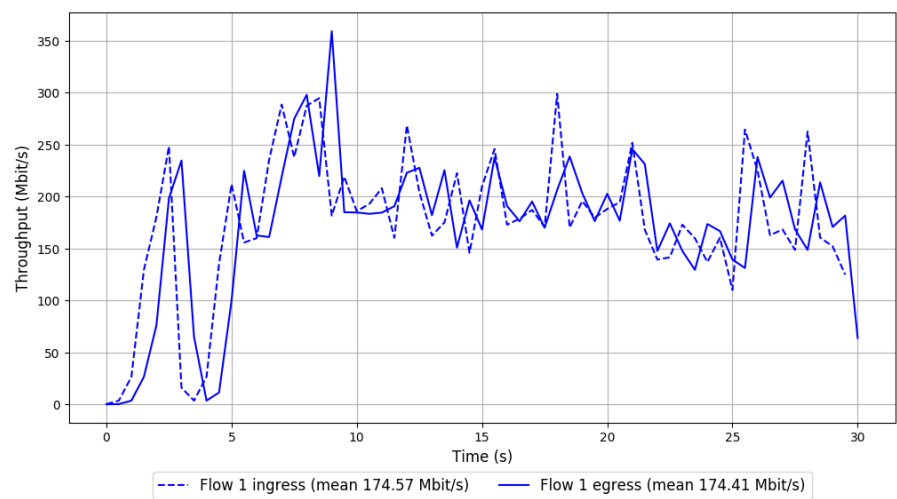


Run 3: Statistics of Verus

Start at: 2018-07-18 11:08:57  
End at: 2018-07-18 11:09:27  
Local clock offset: -0.06 ms  
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-07-18 15:26:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 174.41 Mbit/s  
95th percentile per-packet one-way delay: 148.225 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 174.41 Mbit/s  
95th percentile per-packet one-way delay: 148.225 ms  
Loss rate: 0.67%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-18 11:30:29

End at: 2018-07-18 11:30:59

Local clock offset: -0.216 ms

Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-07-18 15:26:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 184.20 Mbit/s

95th percentile per-packet one-way delay: 147.587 ms

Loss rate: 0.81%

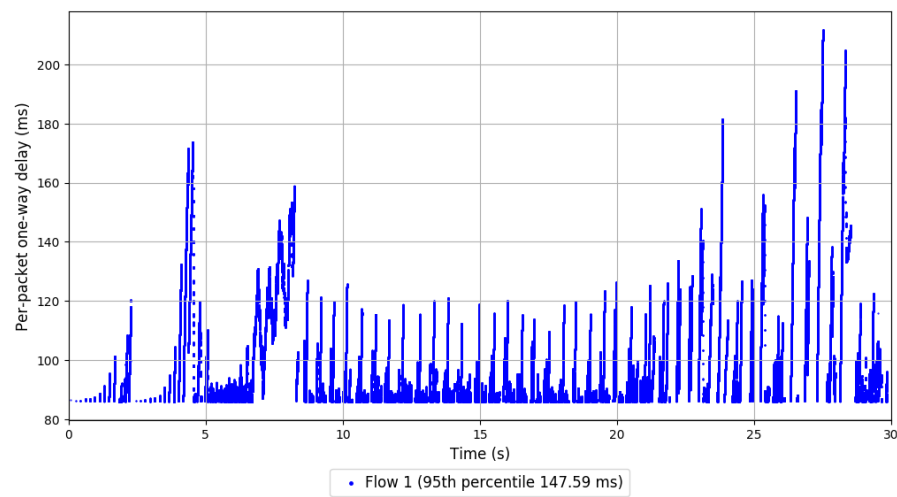
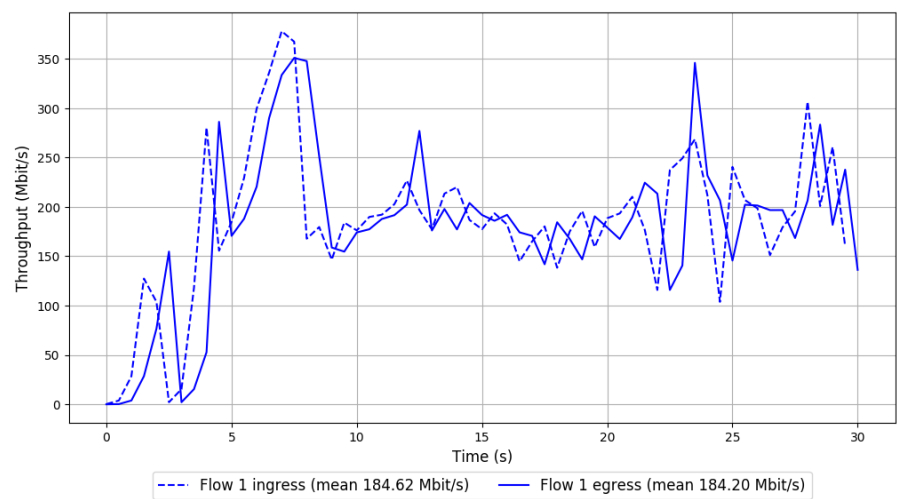
-- Flow 1:

Average throughput: 184.20 Mbit/s

95th percentile per-packet one-way delay: 147.587 ms

Loss rate: 0.81%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-18 11:52:06

End at: 2018-07-18 11:52:36

Local clock offset: -0.222 ms

Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-07-18 15:26:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 123.11 Mbit/s

95th percentile per-packet one-way delay: 159.021 ms

Loss rate: 2.08%

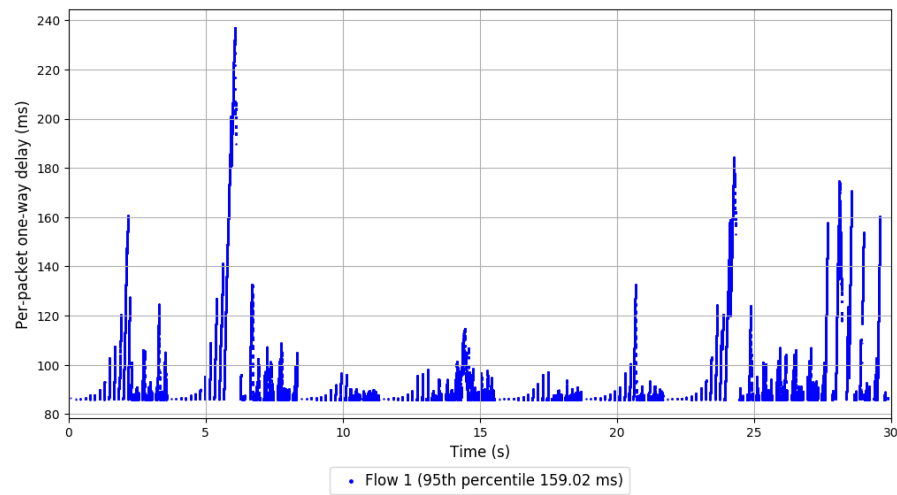
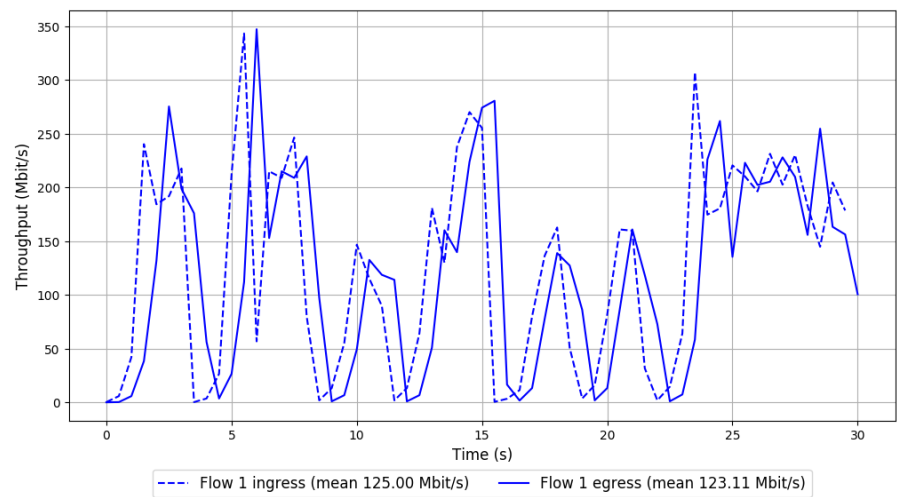
-- Flow 1:

Average throughput: 123.11 Mbit/s

95th percentile per-packet one-way delay: 159.021 ms

Loss rate: 2.08%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-18 12:14:11

End at: 2018-07-18 12:14:41

Local clock offset: 0.105 ms

Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-07-18 15:26:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 139.40 Mbit/s

95th percentile per-packet one-way delay: 130.962 ms

Loss rate: 0.00%

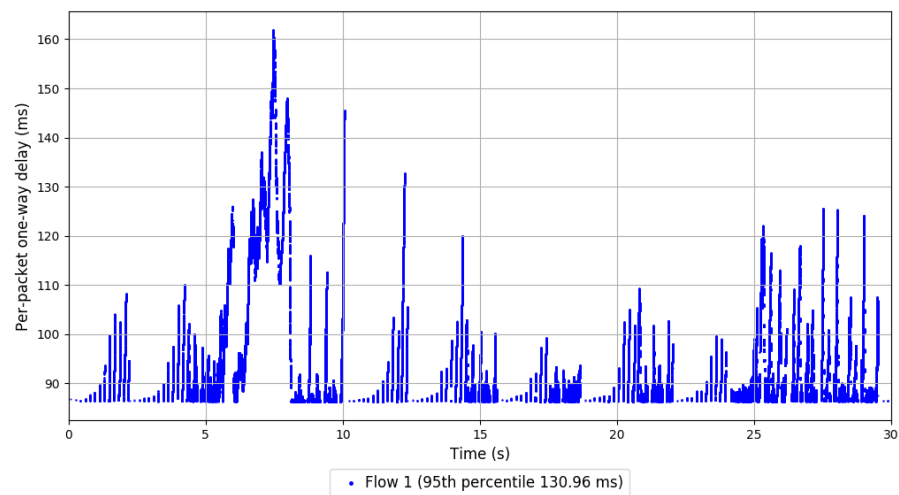
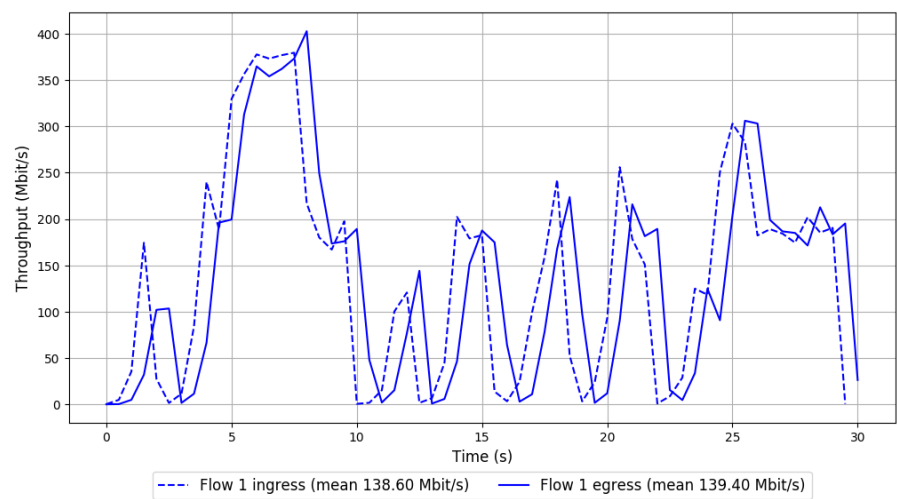
-- Flow 1:

Average throughput: 139.40 Mbit/s

95th percentile per-packet one-way delay: 130.962 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

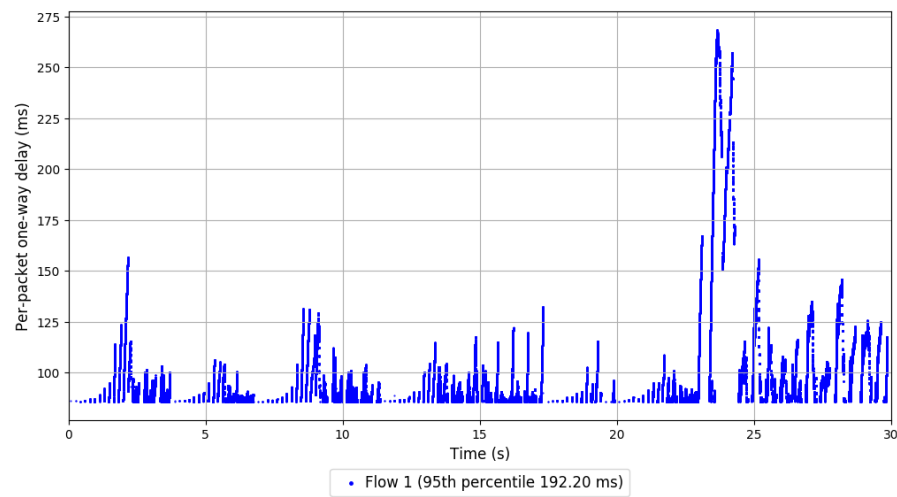
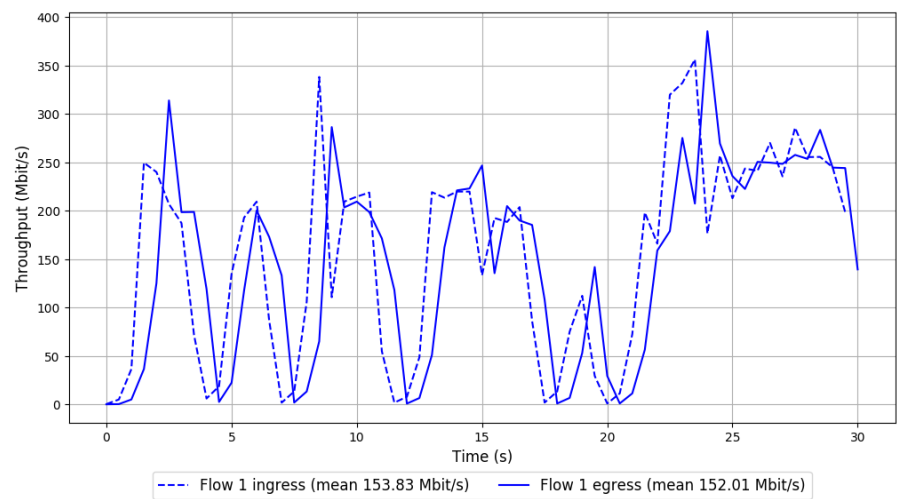


Run 7: Statistics of Verus

Start at: 2018-07-18 12:36:11  
End at: 2018-07-18 12:36:41  
Local clock offset: -0.338 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-07-18 15:26:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 152.01 Mbit/s  
95th percentile per-packet one-way delay: 192.199 ms  
Loss rate: 1.74%  
-- Flow 1:  
Average throughput: 152.01 Mbit/s  
95th percentile per-packet one-way delay: 192.199 ms  
Loss rate: 1.74%

Run 7: Report of Verus — Data Link

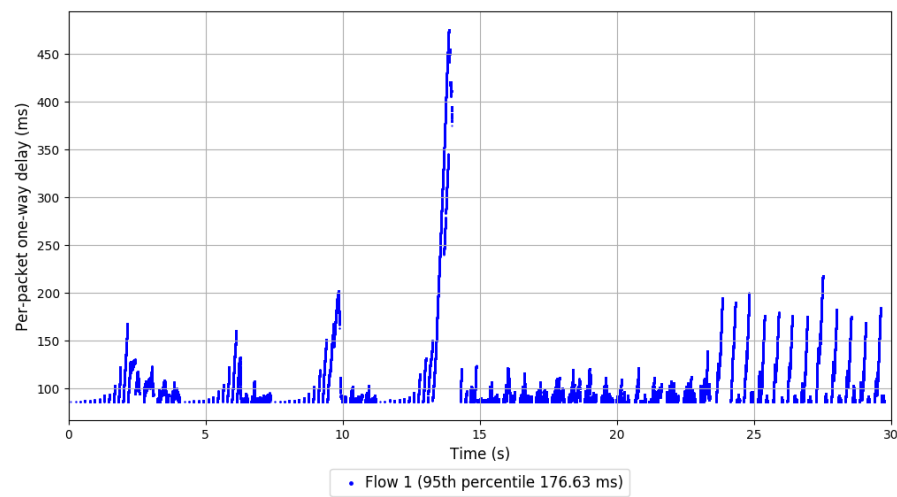
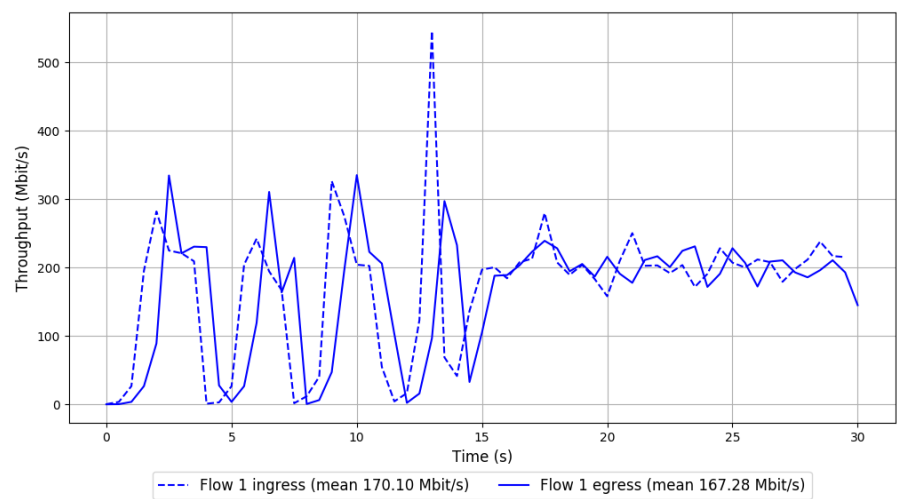


Run 8: Statistics of Verus

Start at: 2018-07-18 12:58:26  
End at: 2018-07-18 12:58:56  
Local clock offset: 0.154 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-07-18 15:27:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 167.28 Mbit/s  
95th percentile per-packet one-way delay: 176.631 ms  
Loss rate: 2.72%  
-- Flow 1:  
Average throughput: 167.28 Mbit/s  
95th percentile per-packet one-way delay: 176.631 ms  
Loss rate: 2.72%

Run 8: Report of Verus — Data Link

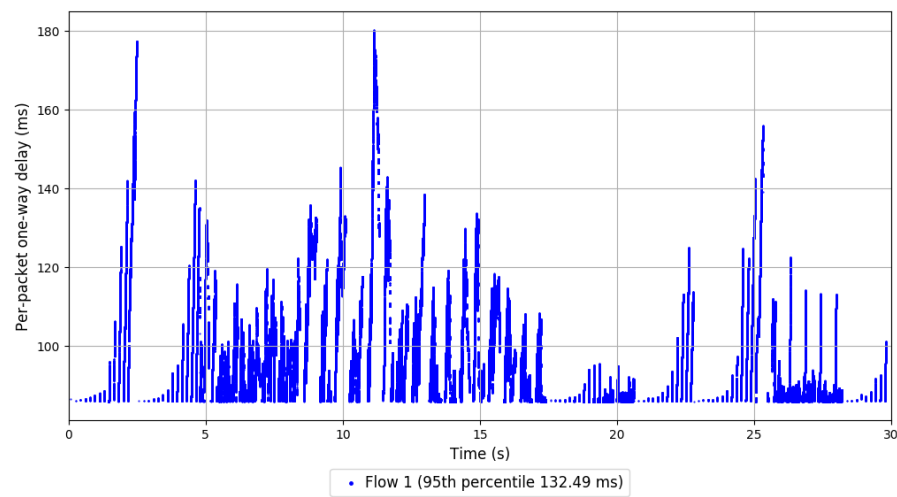
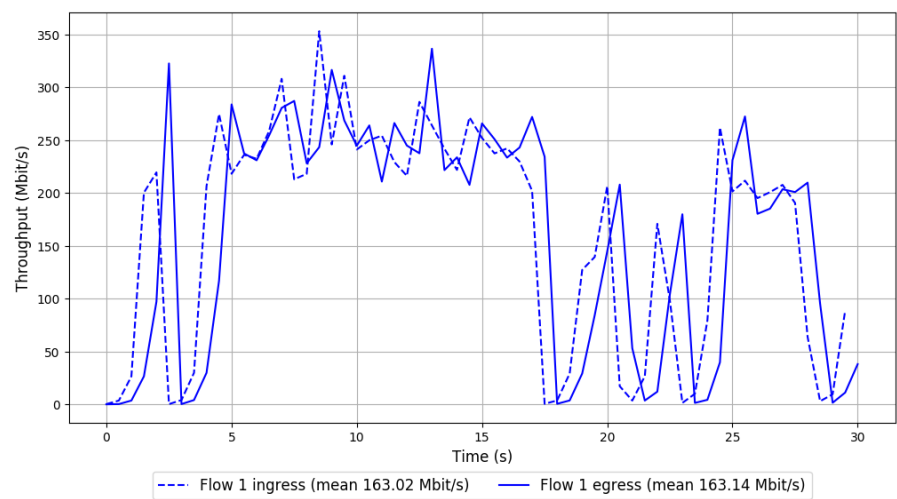


Run 9: Statistics of Verus

Start at: 2018-07-18 13:19:57  
End at: 2018-07-18 13:20:27  
Local clock offset: -0.12 ms  
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-07-18 15:28:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 163.14 Mbit/s  
95th percentile per-packet one-way delay: 132.490 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 163.14 Mbit/s  
95th percentile per-packet one-way delay: 132.490 ms  
Loss rate: 0.52%

Run 9: Report of Verus — Data Link

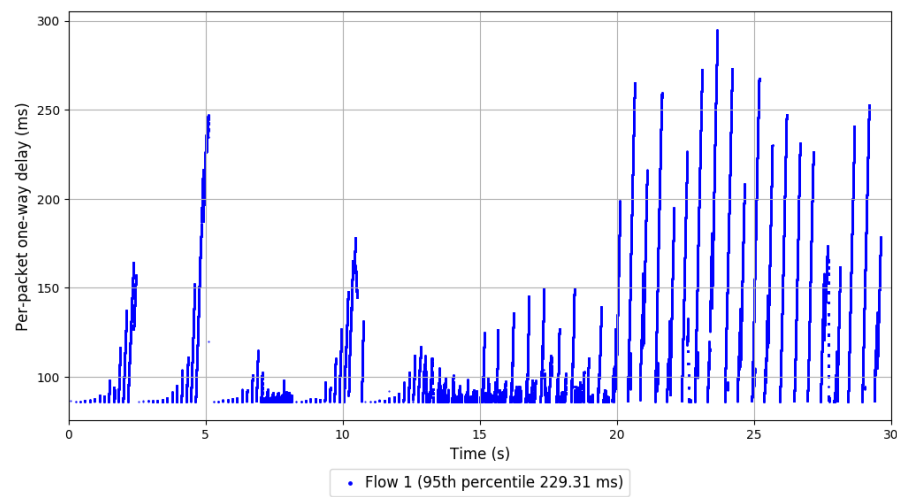
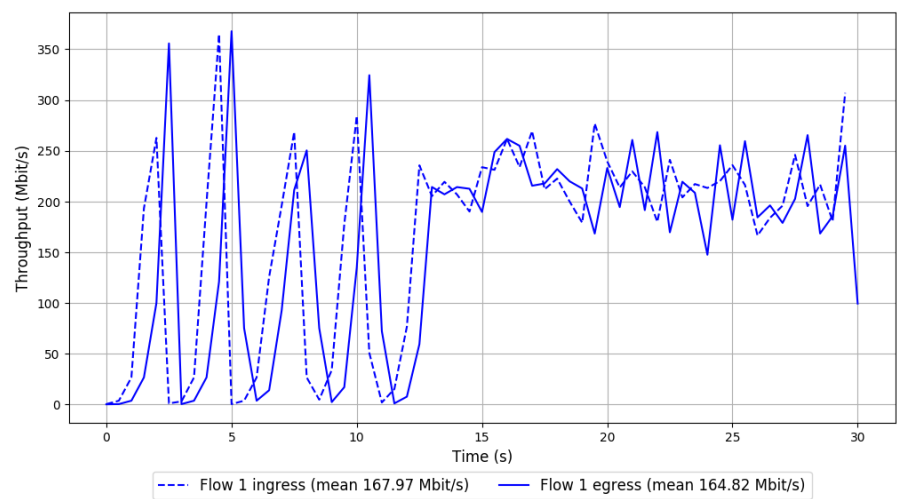


Run 10: Statistics of Verus

Start at: 2018-07-18 13:42:00  
End at: 2018-07-18 13:42:30  
Local clock offset: -0.255 ms  
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-18 15:28:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 164.82 Mbit/s  
95th percentile per-packet one-way delay: 229.306 ms  
Loss rate: 3.23%  
-- Flow 1:  
Average throughput: 164.82 Mbit/s  
95th percentile per-packet one-way delay: 229.306 ms  
Loss rate: 3.23%

Run 10: Report of Verus — Data Link

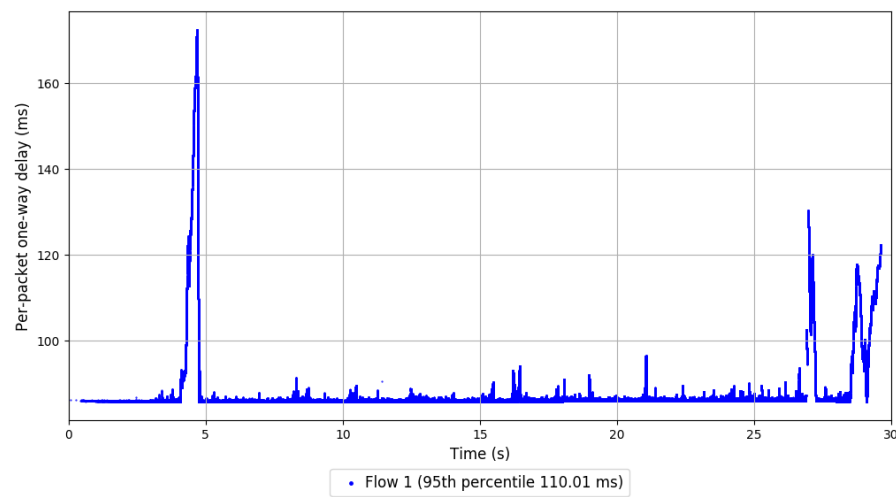
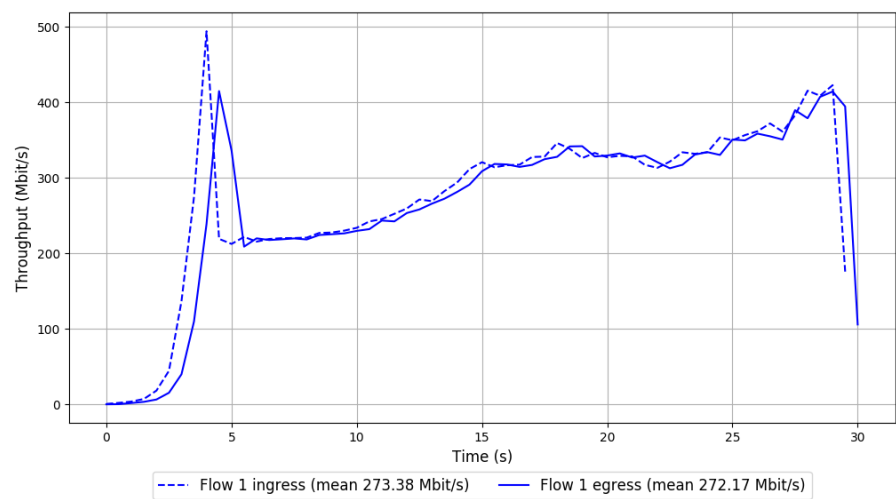


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 10:28:45  
End at: 2018-07-18 10:29:15  
Local clock offset: -0.101 ms  
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-07-18 15:31:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 272.17 Mbit/s  
95th percentile per-packet one-way delay: 110.009 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 272.17 Mbit/s  
95th percentile per-packet one-way delay: 110.009 ms  
Loss rate: 1.02%

Run 1: Report of PCC-Vivace — Data Link

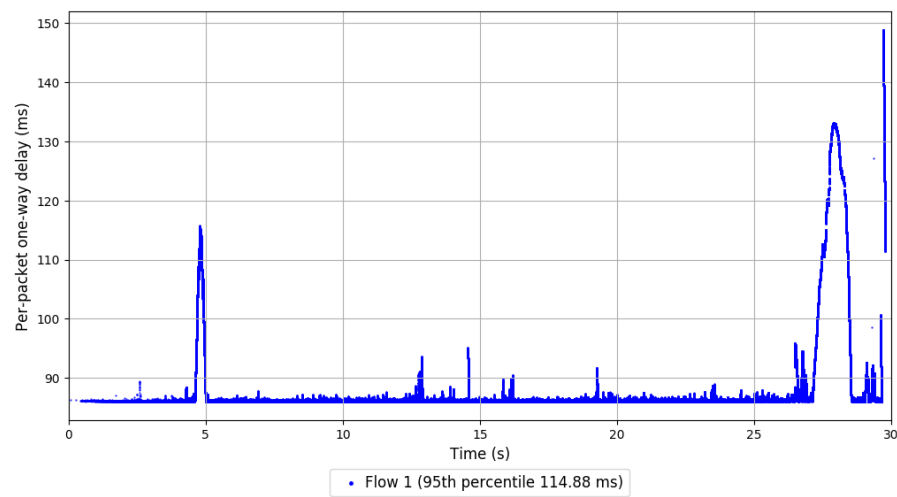
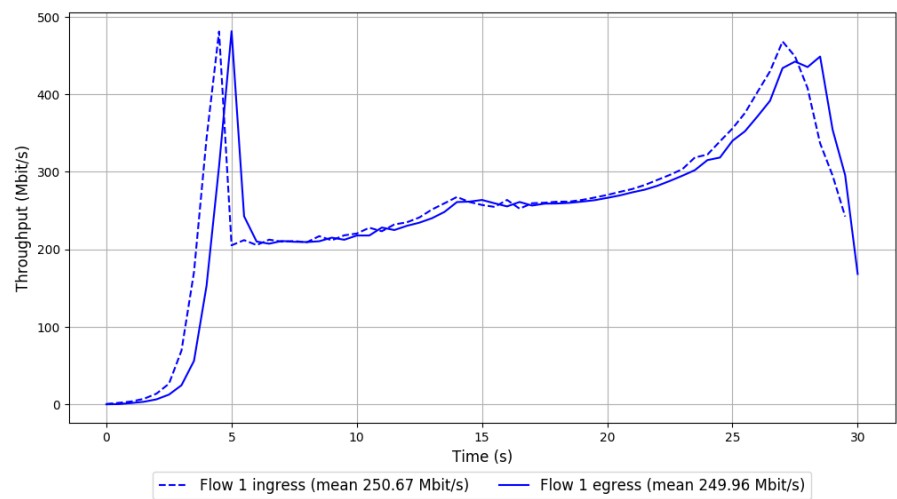


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 10:50:41  
End at: 2018-07-18 10:51:11  
Local clock offset: 0.007 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-07-18 15:31:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 249.96 Mbit/s  
95th percentile per-packet one-way delay: 114.878 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 249.96 Mbit/s  
95th percentile per-packet one-way delay: 114.878 ms  
Loss rate: 0.86%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 11:12:33

End at: 2018-07-18 11:13:03

Local clock offset: -0.238 ms

Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-07-18 15:32:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 350.11 Mbit/s

95th percentile per-packet one-way delay: 90.549 ms

Loss rate: 0.65%

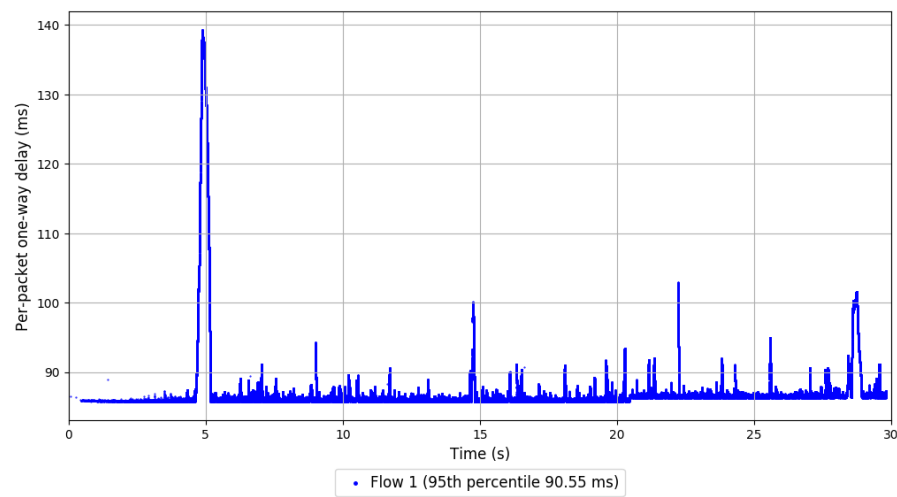
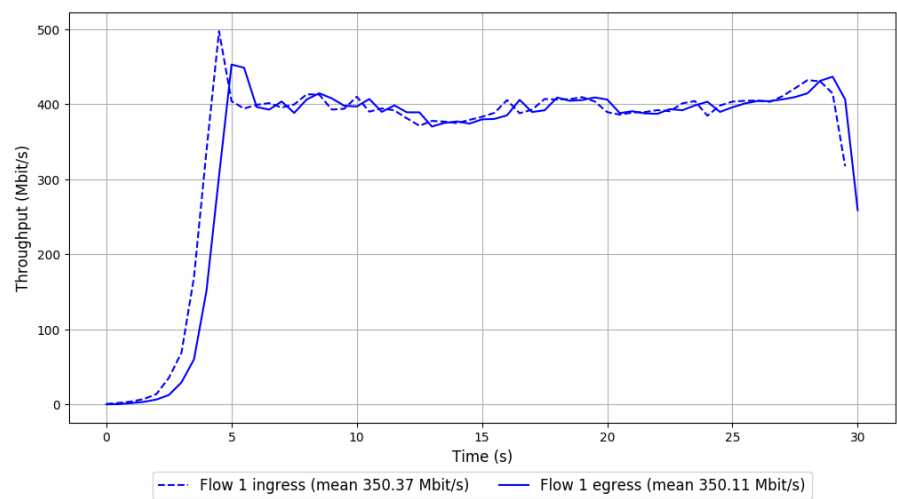
-- Flow 1:

Average throughput: 350.11 Mbit/s

95th percentile per-packet one-way delay: 90.549 ms

Loss rate: 0.65%

Run 3: Report of PCC-Vivace — Data Link

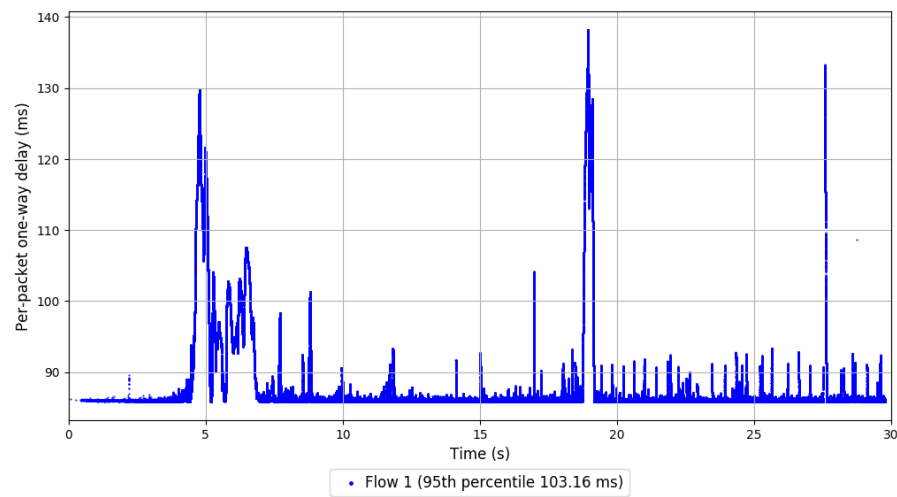
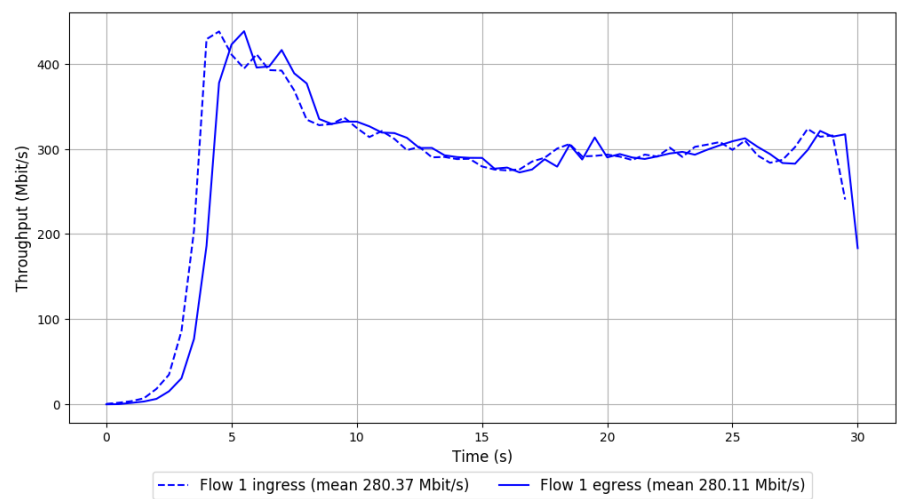


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 11:34:06  
End at: 2018-07-18 11:34:36  
Local clock offset: -0.302 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-07-18 15:32:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 280.11 Mbit/s  
95th percentile per-packet one-way delay: 103.158 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 280.11 Mbit/s  
95th percentile per-packet one-way delay: 103.158 ms  
Loss rate: 0.67%

Run 4: Report of PCC-Vivace — Data Link

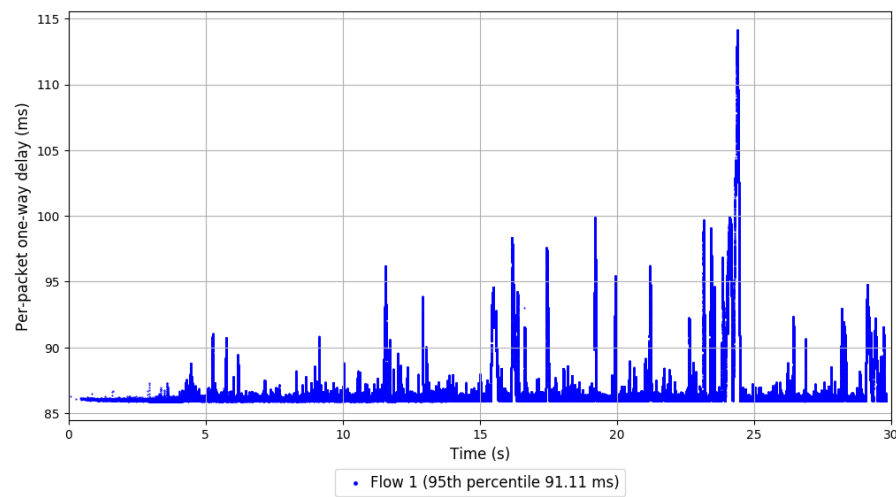
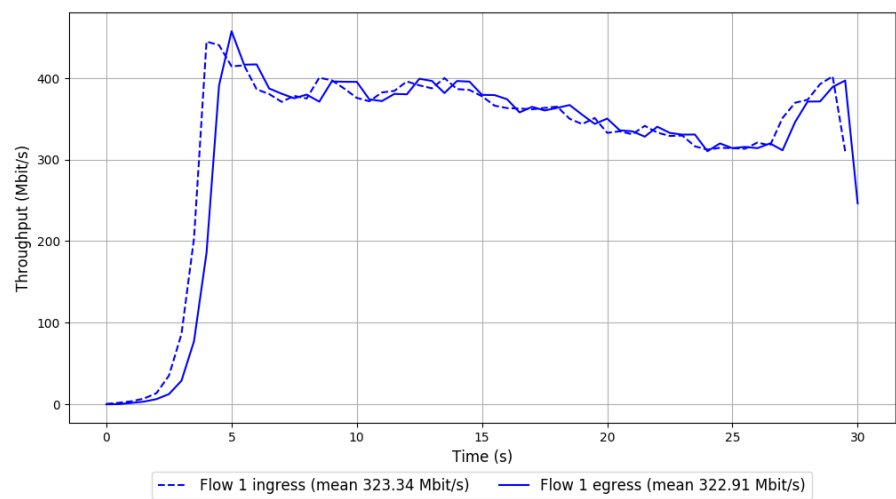


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 11:55:39  
End at: 2018-07-18 11:56:09  
Local clock offset: -0.142 ms  
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-07-18 15:32:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 322.91 Mbit/s  
95th percentile per-packet one-way delay: 91.111 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 322.91 Mbit/s  
95th percentile per-packet one-way delay: 91.111 ms  
Loss rate: 0.71%

Run 5: Report of PCC-Vivace — Data Link

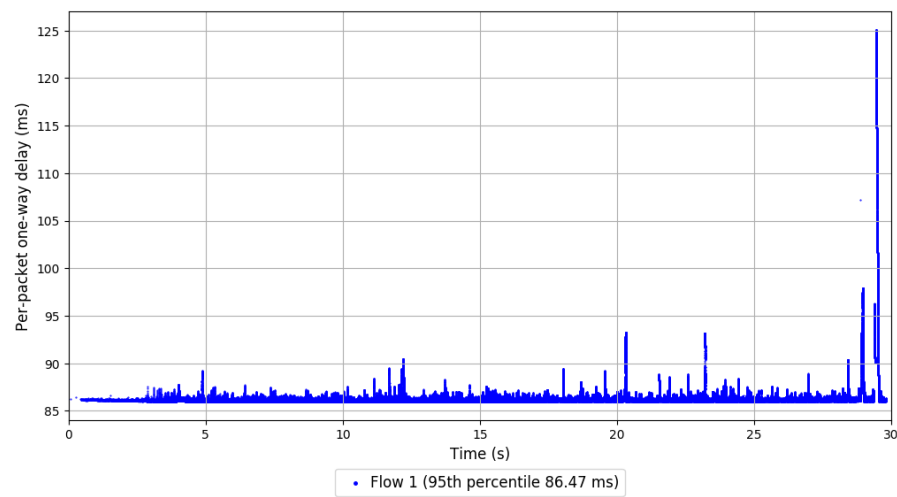
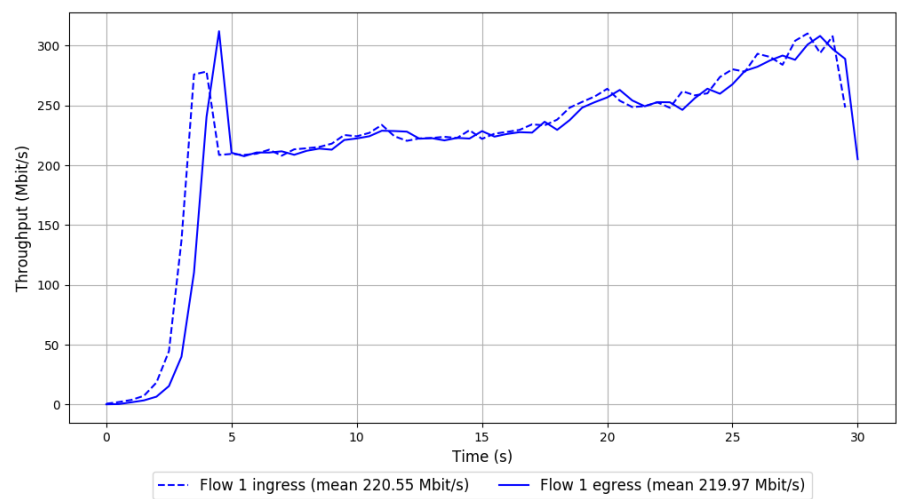


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 12:17:46  
End at: 2018-07-18 12:18:16  
Local clock offset: -0.105 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-07-18 15:32:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 219.97 Mbit/s  
95th percentile per-packet one-way delay: 86.466 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 219.97 Mbit/s  
95th percentile per-packet one-way delay: 86.466 ms  
Loss rate: 0.84%

Run 6: Report of PCC-Vivace — Data Link

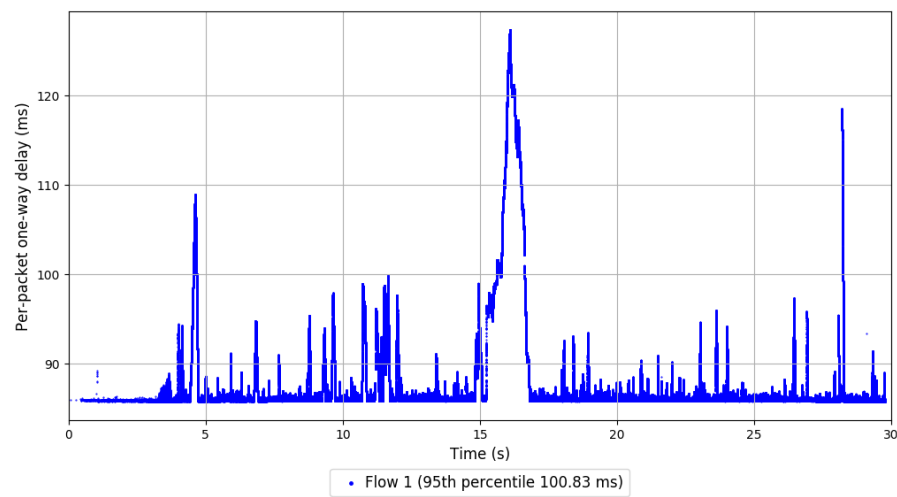
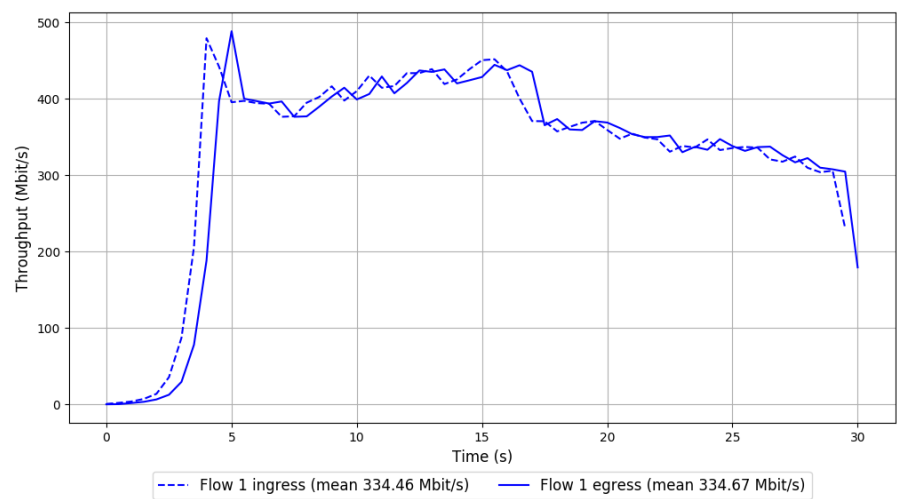


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 12:39:46  
End at: 2018-07-18 12:40:16  
Local clock offset: -0.262 ms  
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-07-18 15:33:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 334.67 Mbit/s  
95th percentile per-packet one-way delay: 100.835 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 334.67 Mbit/s  
95th percentile per-packet one-way delay: 100.835 ms  
Loss rate: 0.52%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 13:02:02

End at: 2018-07-18 13:02:32

Local clock offset: -0.28 ms

Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-07-18 15:33:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 268.36 Mbit/s

95th percentile per-packet one-way delay: 158.995 ms

Loss rate: 1.08%

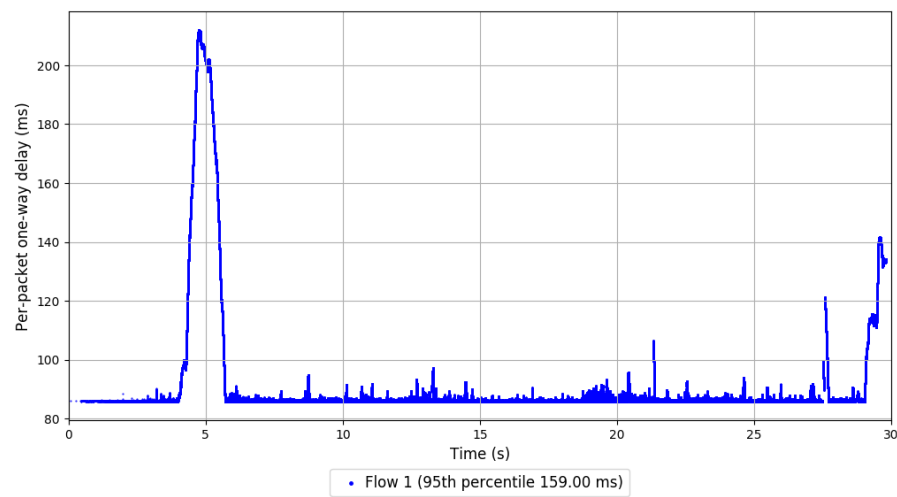
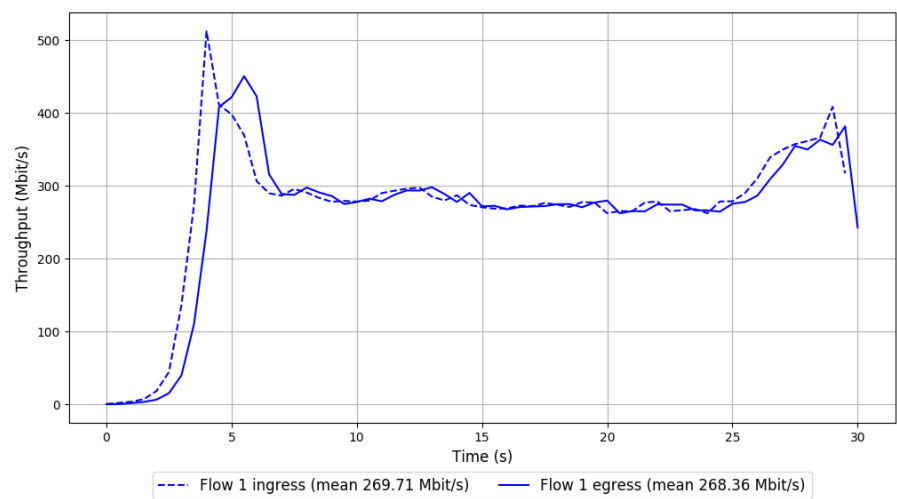
-- Flow 1:

Average throughput: 268.36 Mbit/s

95th percentile per-packet one-way delay: 158.995 ms

Loss rate: 1.08%

Run 8: Report of PCC-Vivace — Data Link

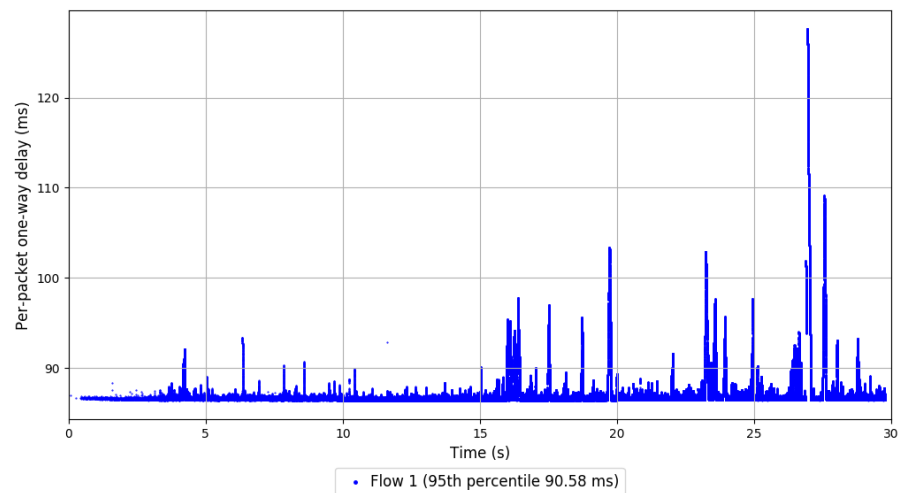
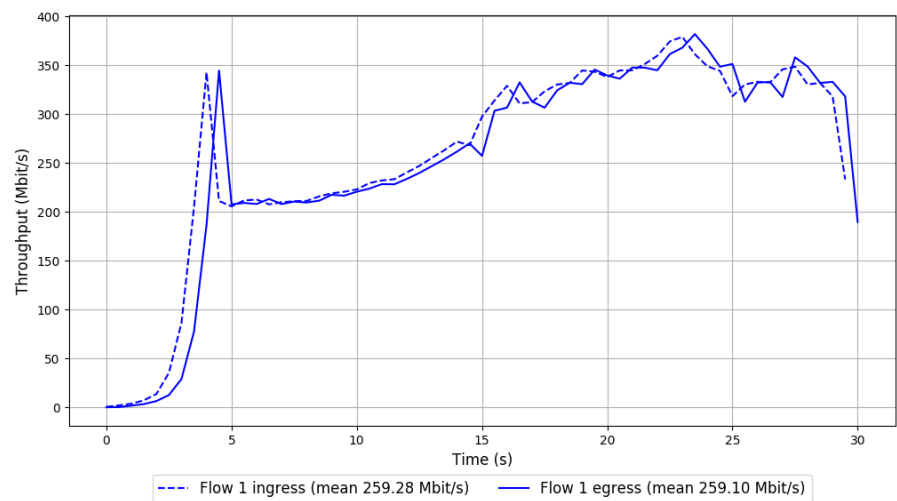


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 13:23:33  
End at: 2018-07-18 13:24:03  
Local clock offset: -0.109 ms  
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 259.10 Mbit/s  
95th percentile per-packet one-way delay: 90.584 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 259.10 Mbit/s  
95th percentile per-packet one-way delay: 90.584 ms  
Loss rate: 0.65%

Run 9: Report of PCC-Vivace — Data Link

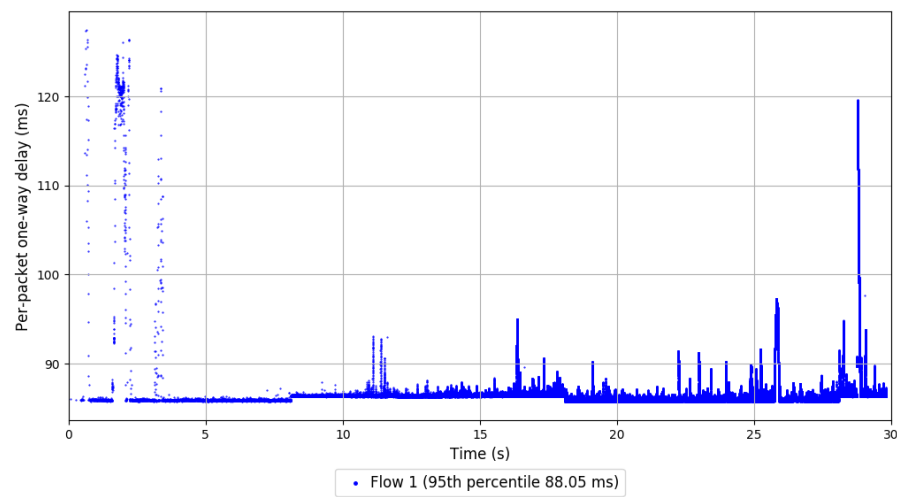
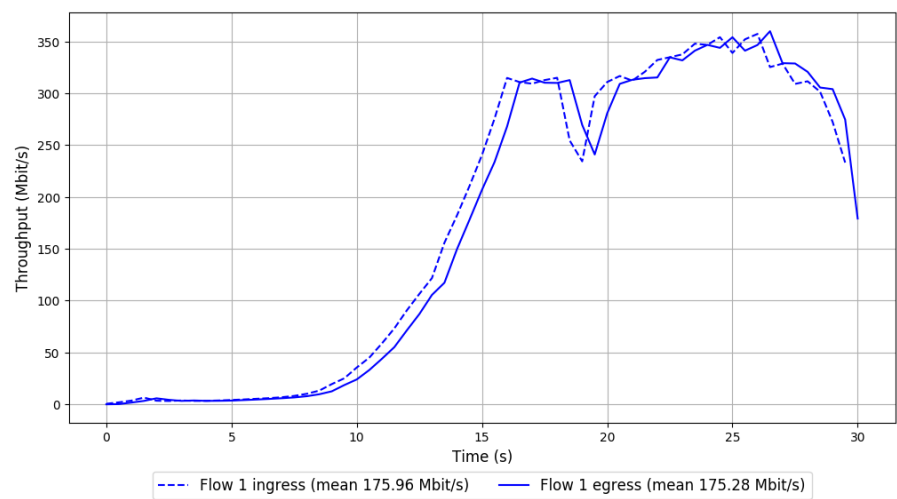


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 13:45:35  
End at: 2018-07-18 13:46:05  
Local clock offset: -0.244 ms  
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 175.28 Mbit/s  
95th percentile per-packet one-way delay: 88.054 ms  
Loss rate: 0.96%  
-- Flow 1:  
Average throughput: 175.28 Mbit/s  
95th percentile per-packet one-way delay: 88.054 ms  
Loss rate: 0.96%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

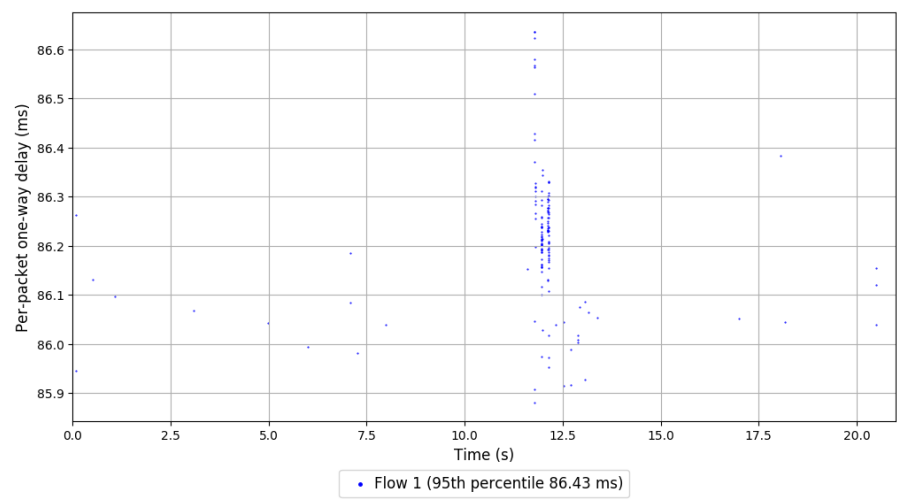
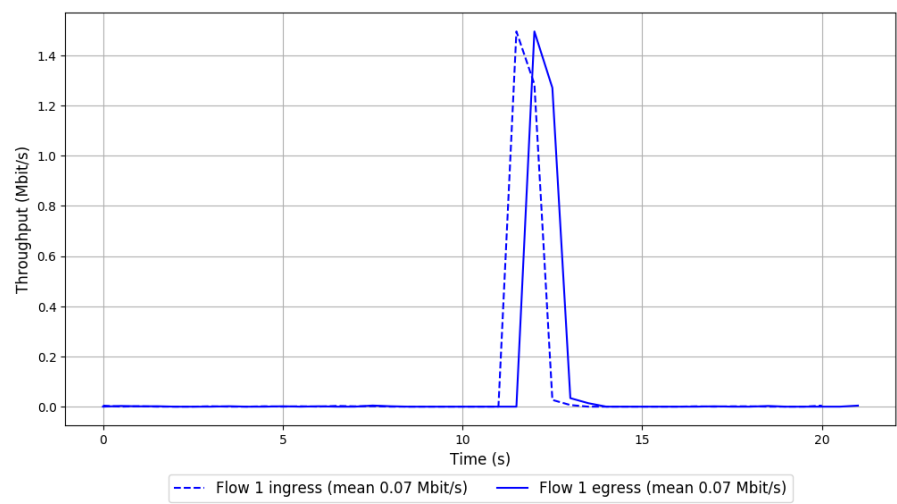
Start at: 2018-07-18 10:26:32

End at: 2018-07-18 10:27:02

Local clock offset: -0.162 ms

Remote clock offset: -0.016 ms

Run 1: Report of WebRTC media — Data Link

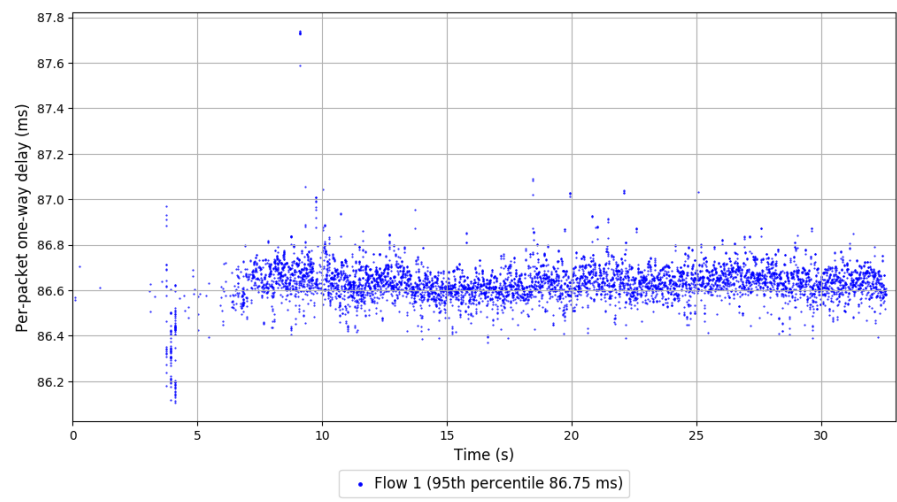
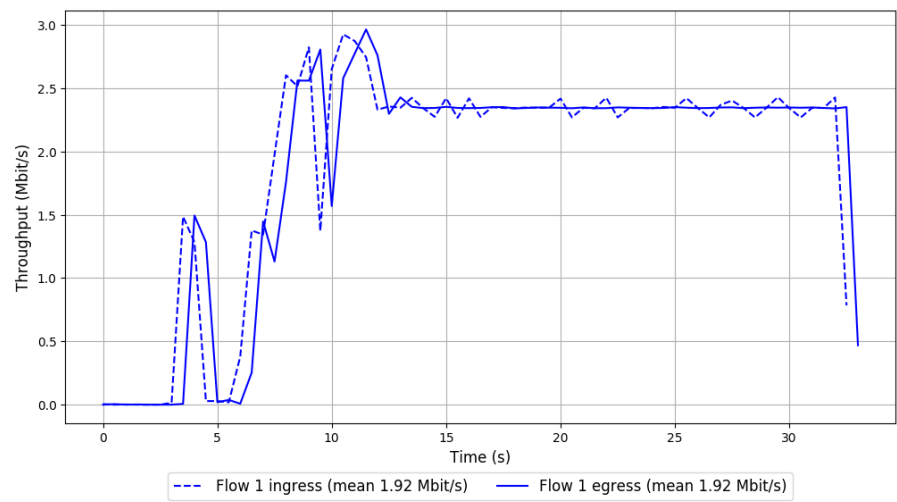


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 10:48:24  
End at: 2018-07-18 10:48:54  
Local clock offset: -0.02 ms  
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 86.752 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 86.752 ms  
Loss rate: 0.62%

Run 2: Report of WebRTC media — Data Link

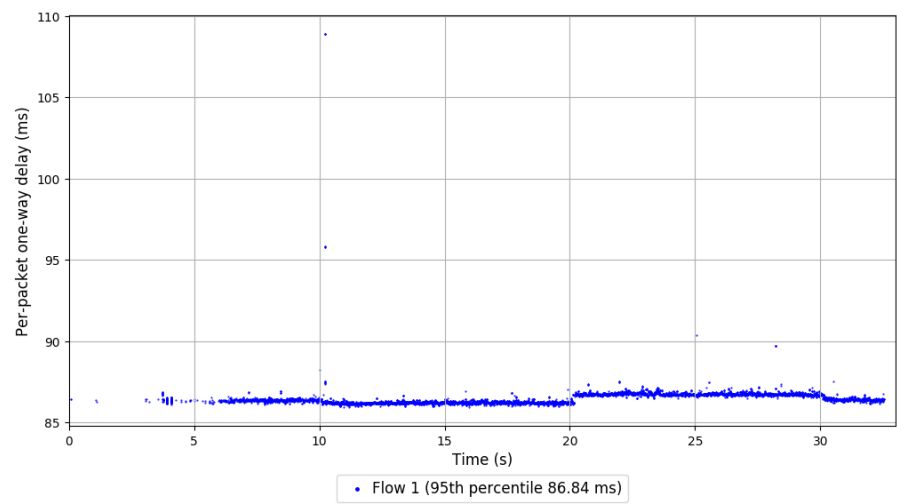
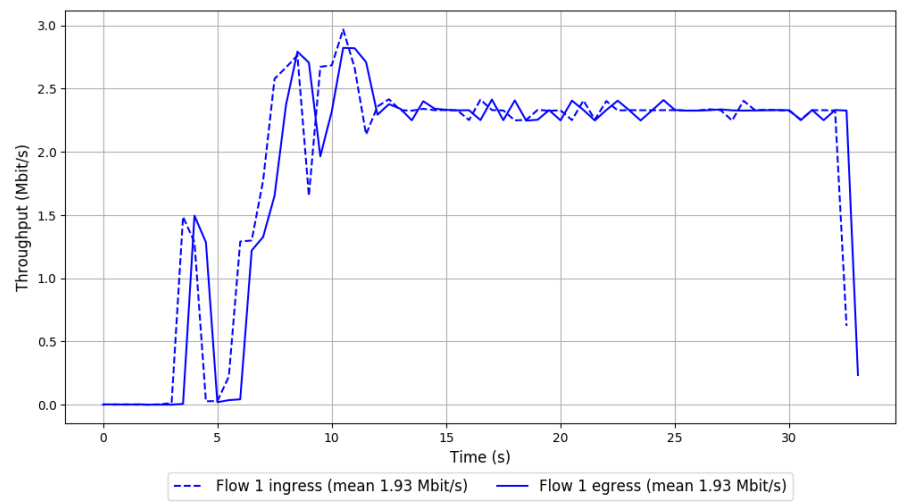


Run 3: Statistics of WebRTC media

Start at: 2018-07-18 11:10:16  
End at: 2018-07-18 11:10:46  
Local clock offset: -0.102 ms  
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 86.843 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 86.843 ms  
Loss rate: 0.68%

Run 3: Report of WebRTC media — Data Link

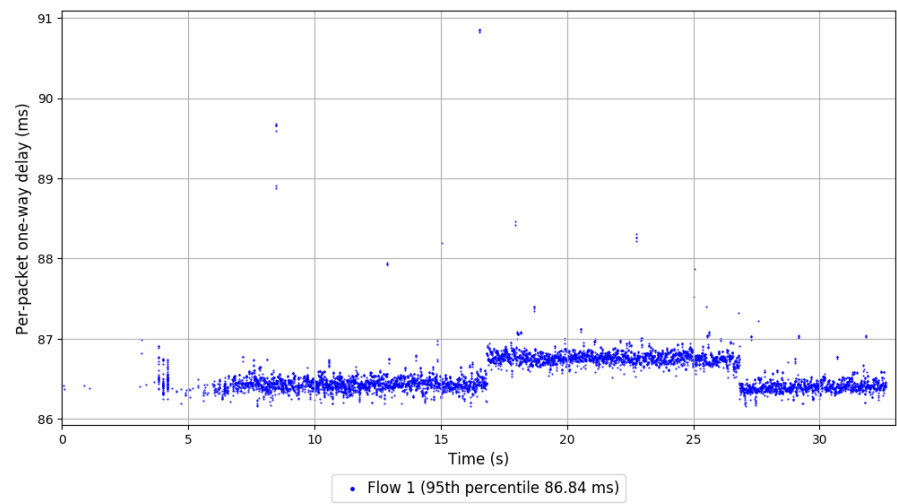
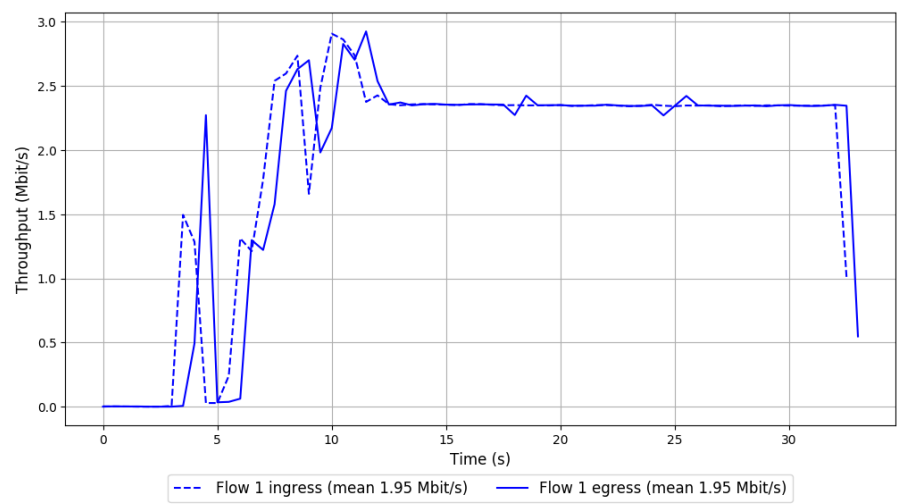


Run 4: Statistics of WebRTC media

Start at: 2018-07-18 11:31:49  
End at: 2018-07-18 11:32:19  
Local clock offset: -0.033 ms  
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.95 Mbit/s  
95th percentile per-packet one-way delay: 86.843 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 1.95 Mbit/s  
95th percentile per-packet one-way delay: 86.843 ms  
Loss rate: 0.67%

Run 4: Report of WebRTC media — Data Link

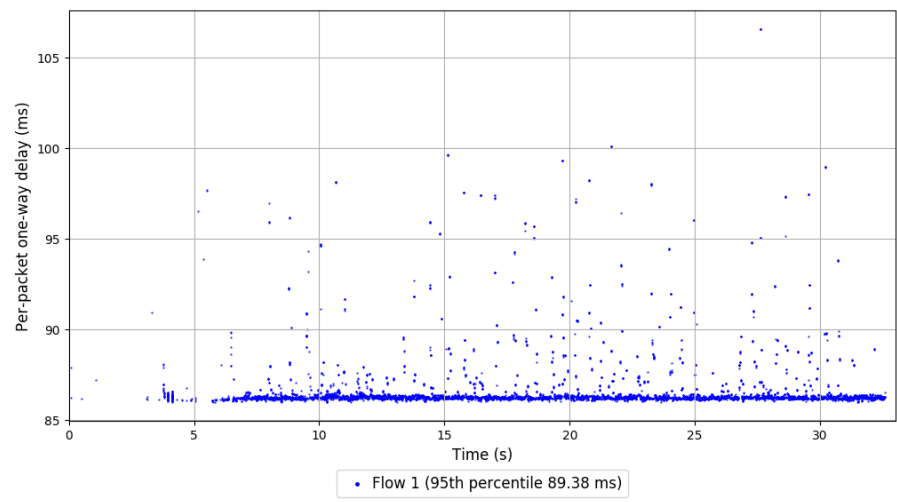
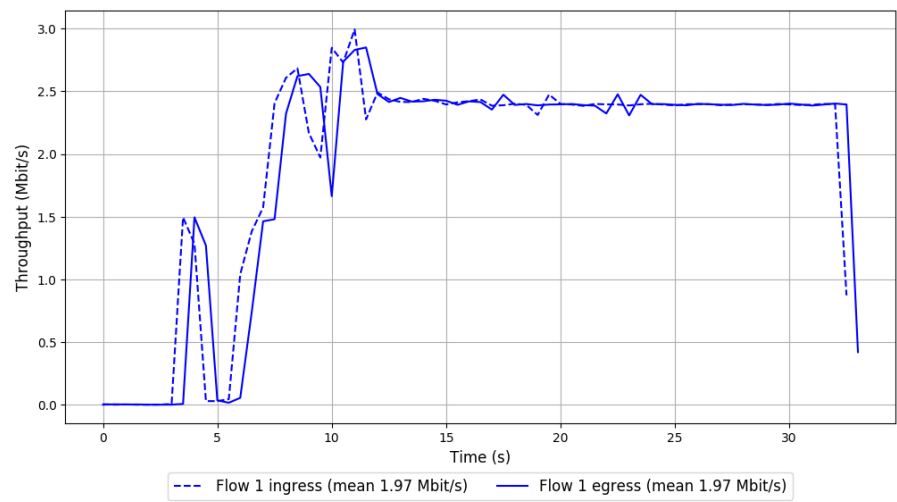


Run 5: Statistics of WebRTC media

Start at: 2018-07-18 11:53:22  
End at: 2018-07-18 11:53:52  
Local clock offset: -0.174 ms  
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.97 Mbit/s  
95th percentile per-packet one-way delay: 89.380 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 1.97 Mbit/s  
95th percentile per-packet one-way delay: 89.380 ms  
Loss rate: 0.66%

Run 5: Report of WebRTC media — Data Link

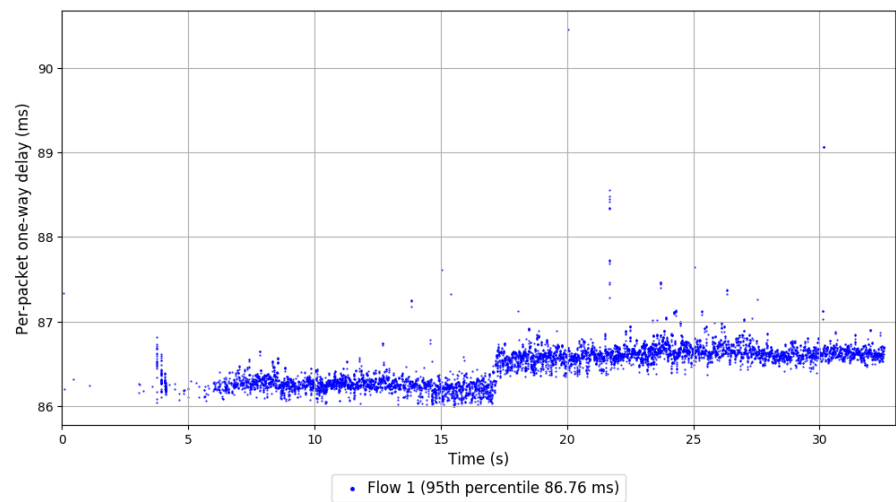
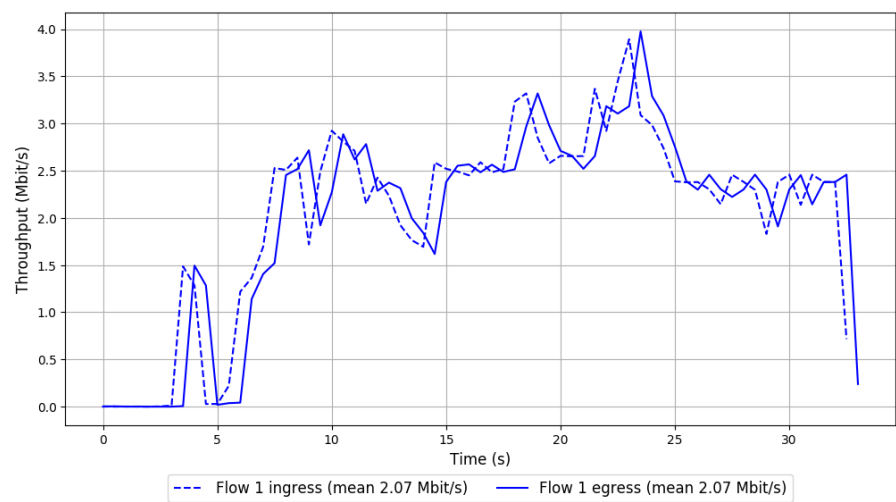


Run 6: Statistics of WebRTC media

Start at: 2018-07-18 12:15:29  
End at: 2018-07-18 12:15:59  
Local clock offset: -0.089 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.07 Mbit/s  
95th percentile per-packet one-way delay: 86.763 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 2.07 Mbit/s  
95th percentile per-packet one-way delay: 86.763 ms  
Loss rate: 0.65%

Run 6: Report of WebRTC media — Data Link

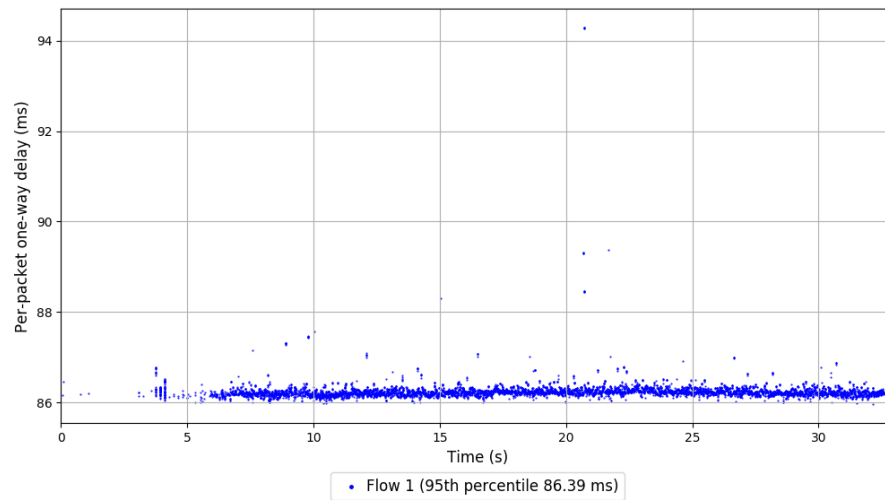
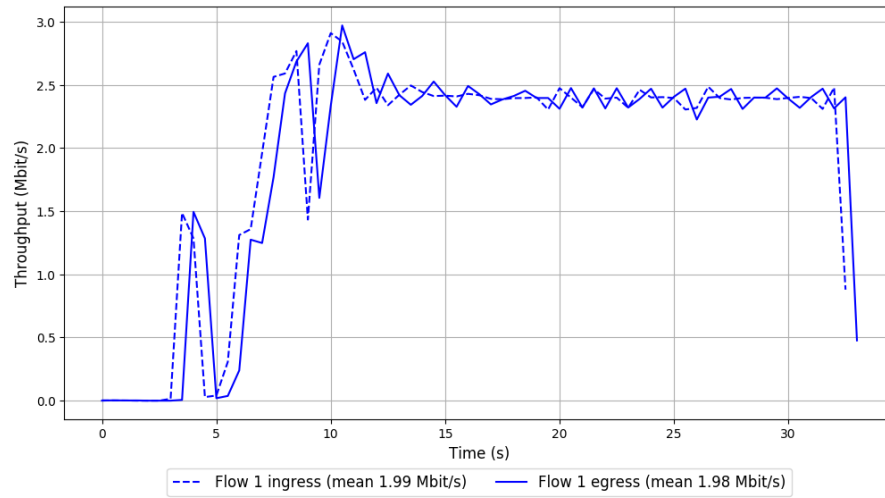


Run 7: Statistics of WebRTC media

Start at: 2018-07-18 12:37:29  
End at: 2018-07-18 12:37:59  
Local clock offset: -0.094 ms  
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.98 Mbit/s  
95th percentile per-packet one-way delay: 86.388 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 1.98 Mbit/s  
95th percentile per-packet one-way delay: 86.388 ms  
Loss rate: 0.68%

## Run 7: Report of WebRTC media — Data Link

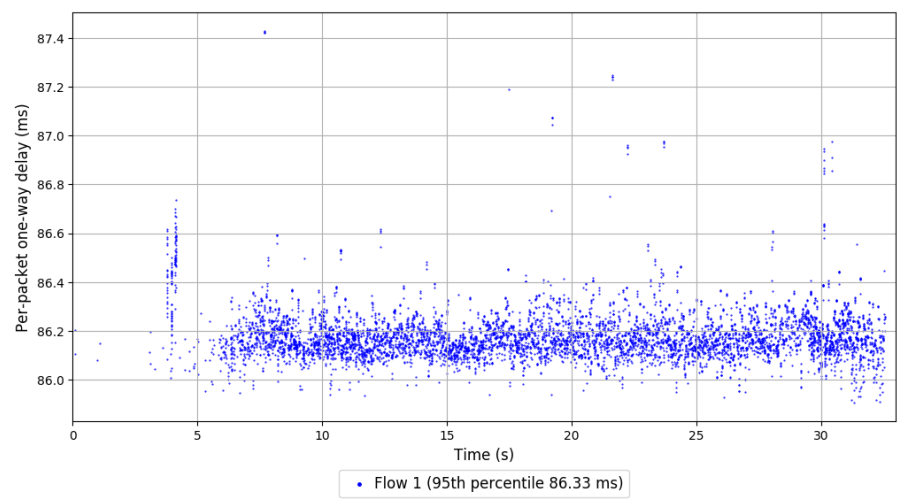
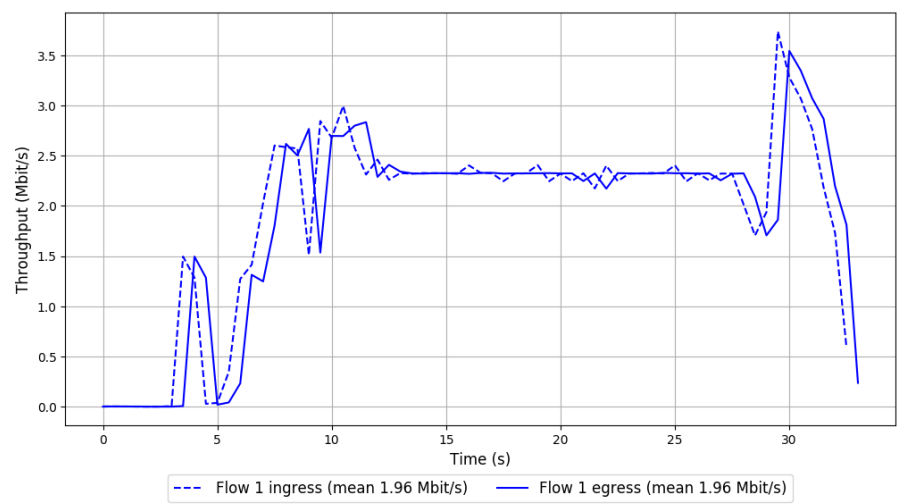


Run 8: Statistics of WebRTC media

Start at: 2018-07-18 12:59:45  
End at: 2018-07-18 13:00:15  
Local clock offset: -0.152 ms  
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.96 Mbit/s  
95th percentile per-packet one-way delay: 86.330 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 1.96 Mbit/s  
95th percentile per-packet one-way delay: 86.330 ms  
Loss rate: 0.52%

Run 8: Report of WebRTC media — Data Link

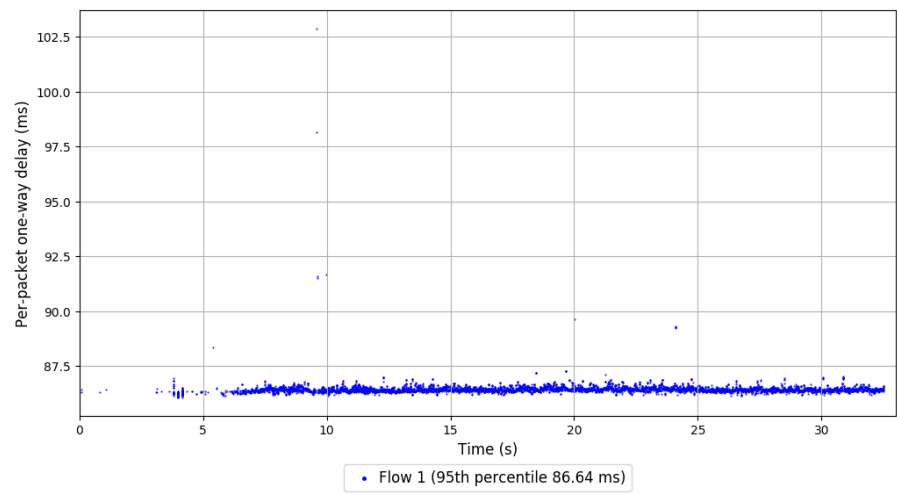
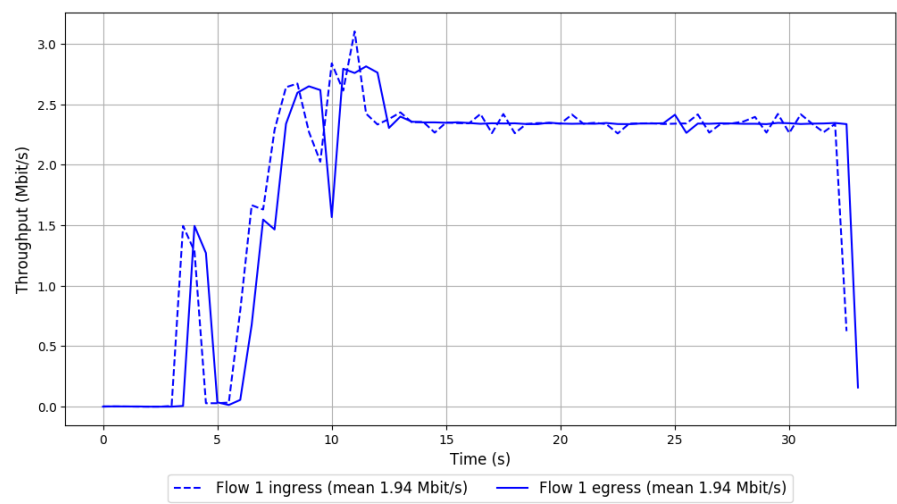


Run 9: Statistics of WebRTC media

Start at: 2018-07-18 13:21:16  
End at: 2018-07-18 13:21:46  
Local clock offset: -0.056 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-07-18 15:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.94 Mbit/s  
95th percentile per-packet one-way delay: 86.640 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 1.94 Mbit/s  
95th percentile per-packet one-way delay: 86.640 ms  
Loss rate: 0.68%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 13:43:18

End at: 2018-07-18 13:43:48

Local clock offset: -0.106 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-07-18 15:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.907 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.907 ms

Loss rate: 0.60%

Run 10: Report of WebRTC media — Data Link

