

## Pantheon Report

Generated at 2018-07-06 07:08:28 (UTC).

Data path: GCE Tokyo 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.

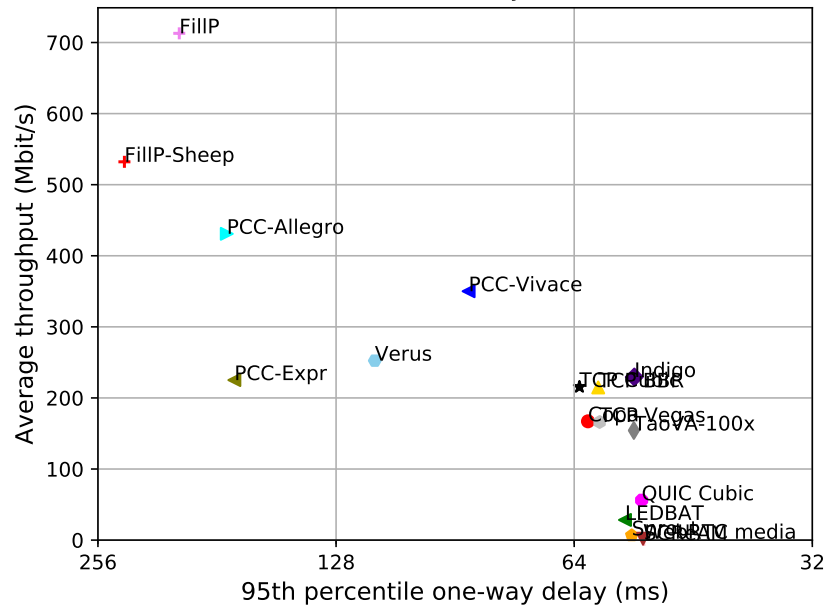
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

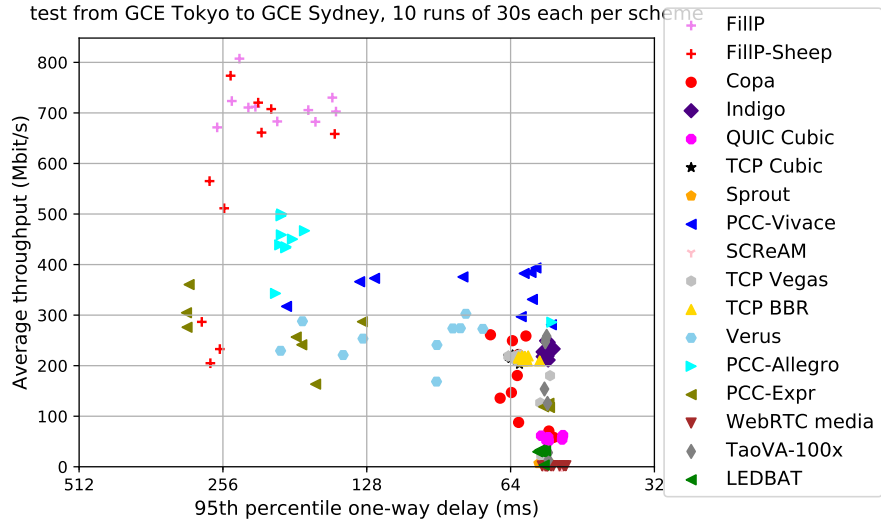
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
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-quirk @ 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 Tokyo to GCE Sydney, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from GCE Tokyo to GCE Sydney, 10 runs of 30s each per scheme



| scheme       | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR      | 10     | 214.76                           | 59.68                               | 0.34                         |
| Copa         | 10     | 167.11                           | 61.48                               | 0.26                         |
| TCP Cubic    | 10     | 215.50                           | 63.03                               | 0.36                         |
| FillP        | 10     | 712.92                           | 202.04                              | 3.39                         |
| FillP-Sheep  | 10     | 532.17                           | 237.02                              | 6.79                         |
| Indigo       | 10     | 229.45                           | 53.73                               | 0.35                         |
| LEDBAT       | 10     | 28.37                            | 55.21                               | 0.82                         |
| PCC-Allegro  | 10     | 430.87                           | 175.94                              | 1.35                         |
| PCC-Expr     | 10     | 225.11                           | 172.11                              | 5.86                         |
| QUIC Cubic   | 10     | 56.09                            | 52.59                               | 0.54                         |
| SCReAM       | 10     | 0.21                             | 52.26                               | 0.36                         |
| Sprout       | 10     | 6.67                             | 54.13                               | 0.29                         |
| TaoVA-100x   | 7      | 154.20                           | 53.80                               | 0.60                         |
| TCP Vegas    | 10     | 166.13                           | 59.44                               | 0.34                         |
| Verus        | 10     | 252.43                           | 114.35                              | 0.84                         |
| PCC-Vivace   | 10     | 350.09                           | 87.03                               | 0.53                         |
| WebRTC media | 10     | 1.93                             | 52.38                               | 0.39                         |

Run 1: Statistics of TCP BBR

Start at: 2018-07-06 01:37:19  
End at: 2018-07-06 01:37:49  
Local clock offset: 0.13 ms  
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-07-06 05:29:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 209.54 Mbit/s

95th percentile per-packet one-way delay: 60.436 ms

Loss rate: 0.35%

-- Flow 1:

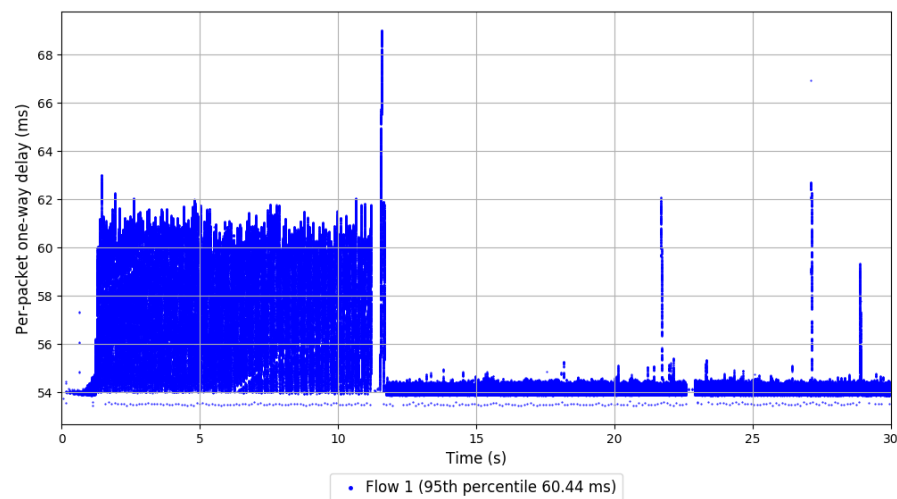
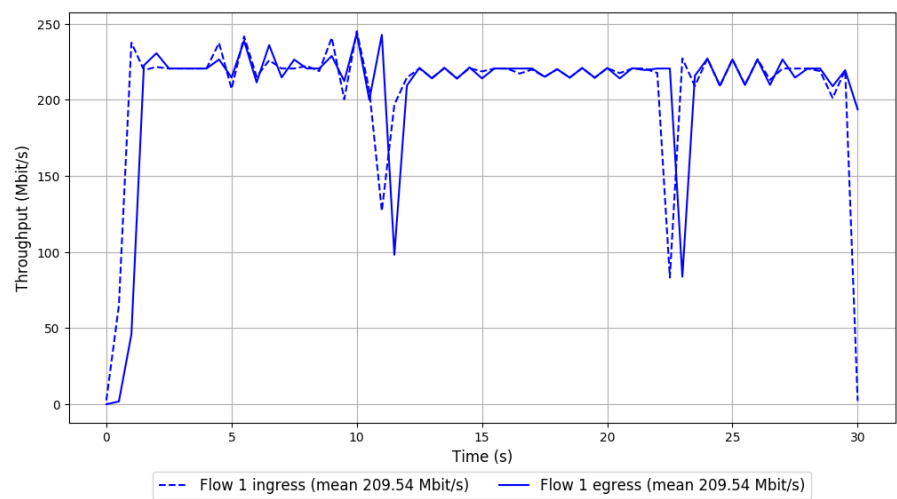
Average throughput: 209.54 Mbit/s

95th percentile per-packet one-way delay: 60.436 ms

Loss rate: 0.35%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-06 01:59:08

End at: 2018-07-06 01:59:38

Local clock offset: -0.037 ms

Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-07-06 05:29:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 214.89 Mbit/s

95th percentile per-packet one-way delay: 61.573 ms

Loss rate: 0.06%

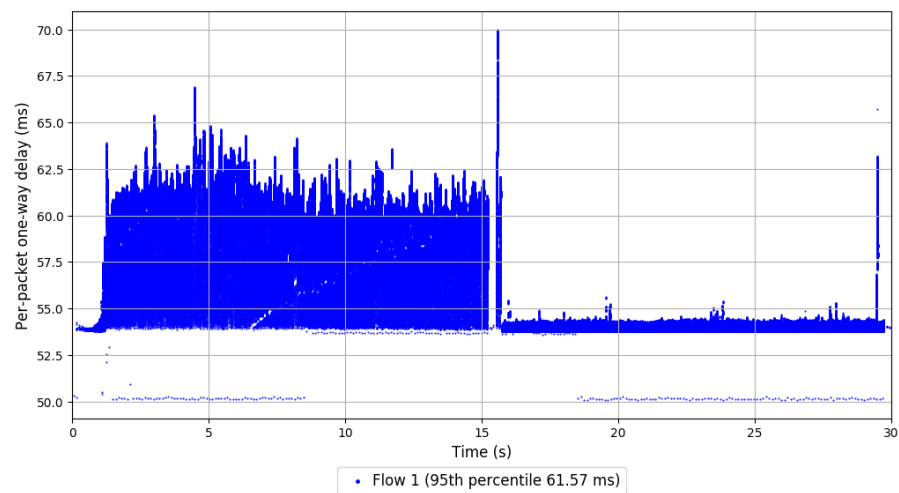
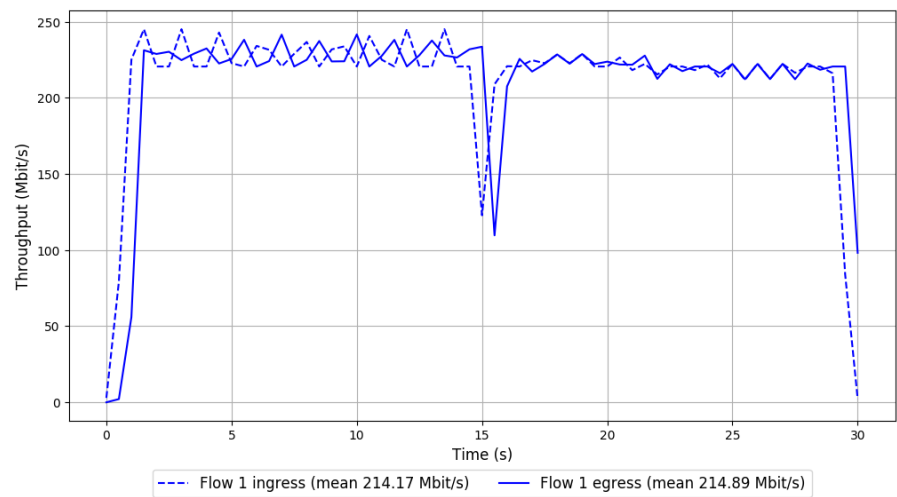
-- Flow 1:

Average throughput: 214.89 Mbit/s

95th percentile per-packet one-way delay: 61.573 ms

Loss rate: 0.06%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-06 02:21:08

End at: 2018-07-06 02:21:38

Local clock offset: 0.002 ms

Remote clock offset: -0.147 ms

# Below is generated by plot.py at 2018-07-06 05:29:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 218.68 Mbit/s

95th percentile per-packet one-way delay: 60.608 ms

Loss rate: 0.37%

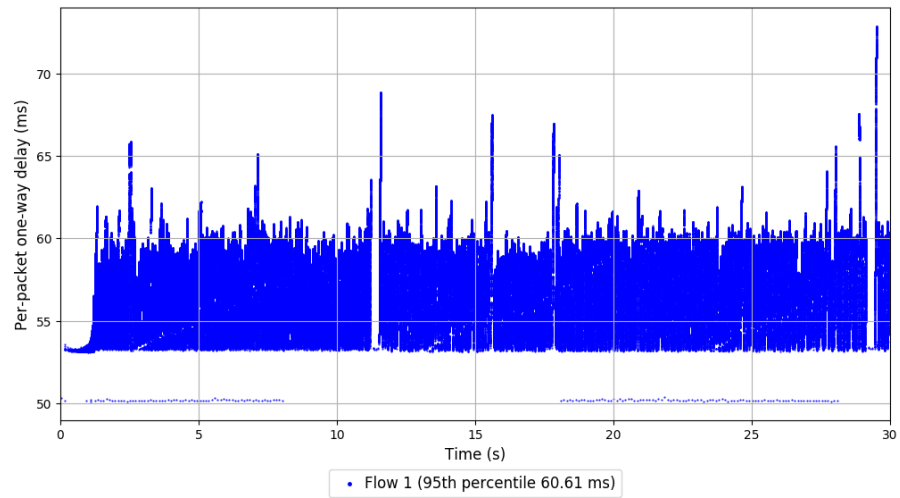
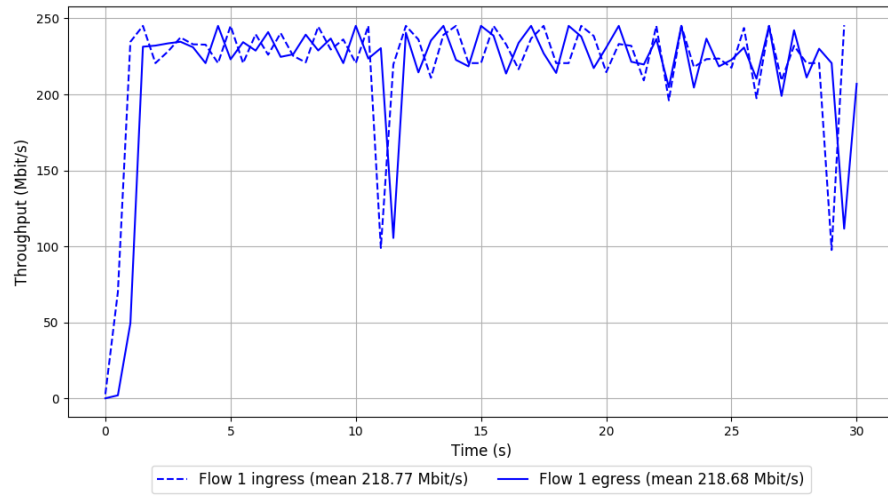
-- Flow 1:

Average throughput: 218.68 Mbit/s

95th percentile per-packet one-way delay: 60.608 ms

Loss rate: 0.37%

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



Run 4: Statistics of TCP BBR

Start at: 2018-07-06 02:42:44

End at: 2018-07-06 02:43:14

Local clock offset: -0.317 ms

Remote clock offset: 1.514 ms

# Below is generated by plot.py at 2018-07-06 05:29:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 219.33 Mbit/s

95th percentile per-packet one-way delay: 58.807 ms

Loss rate: 0.37%

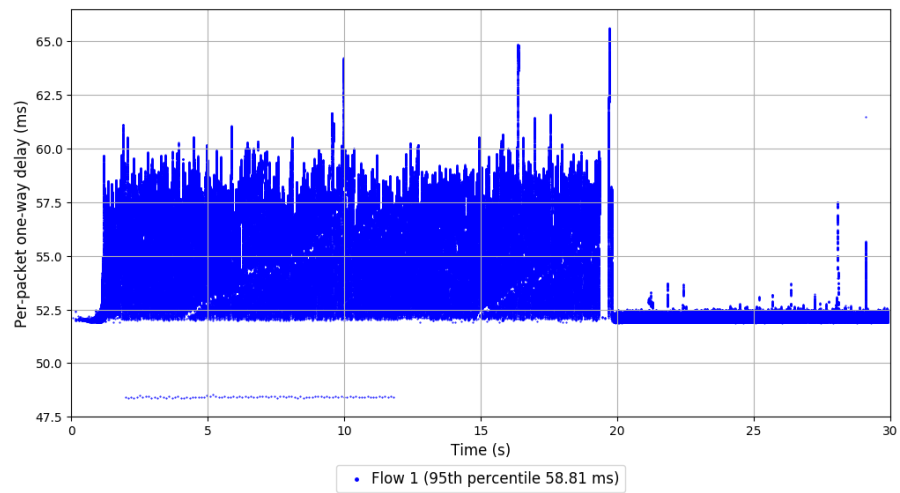
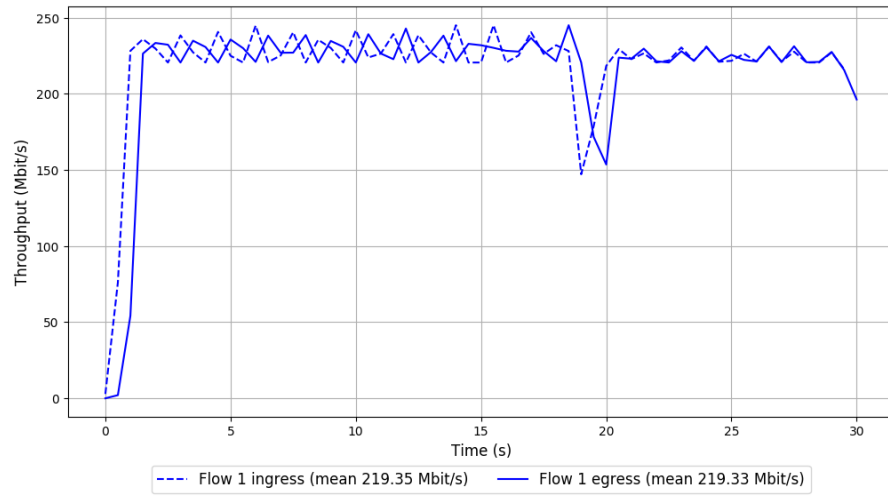
-- Flow 1:

Average throughput: 219.33 Mbit/s

95th percentile per-packet one-way delay: 58.807 ms

Loss rate: 0.37%

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



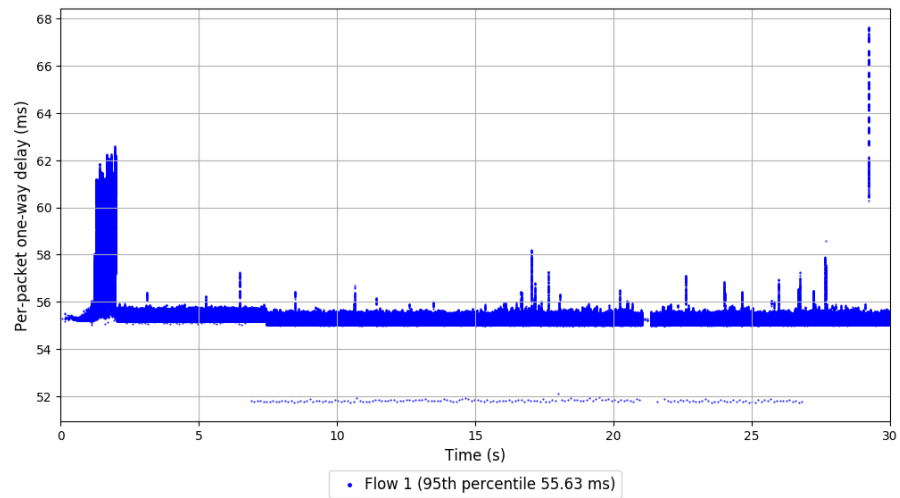
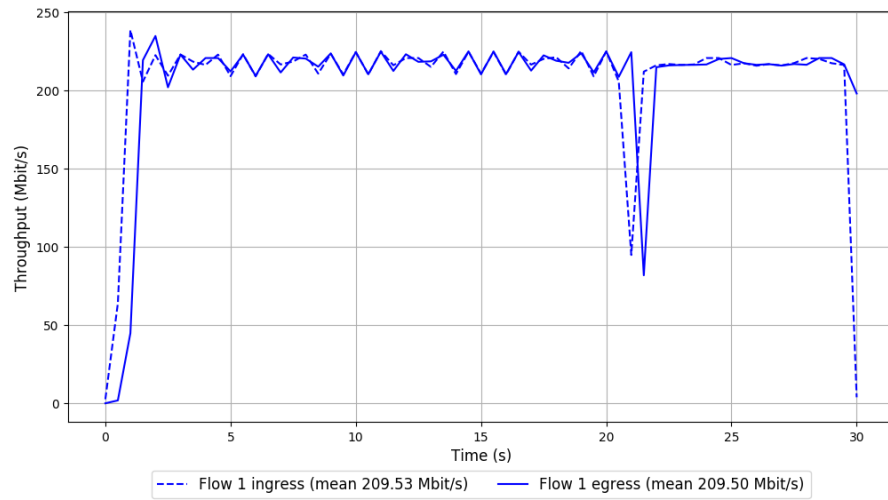
Run 5: Statistics of TCP BBR

Start at: 2018-07-06 03:04:39  
End at: 2018-07-06 03:05:09  
Local clock offset: 0.217 ms  
Remote clock offset: -1.281 ms

# Below is generated by plot.py at 2018-07-06 05:29:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 209.50 Mbit/s  
95th percentile per-packet one-way delay: 55.633 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 209.50 Mbit/s  
95th percentile per-packet one-way delay: 55.633 ms  
Loss rate: 0.37%



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



Run 6: Statistics of TCP BBR

Start at: 2018-07-06 03:26:29

End at: 2018-07-06 03:26:59

Local clock offset: -0.084 ms

Remote clock offset: 1.325 ms

# Below is generated by plot.py at 2018-07-06 05:29:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 209.41 Mbit/s

95th percentile per-packet one-way delay: 59.048 ms

Loss rate: 0.36%

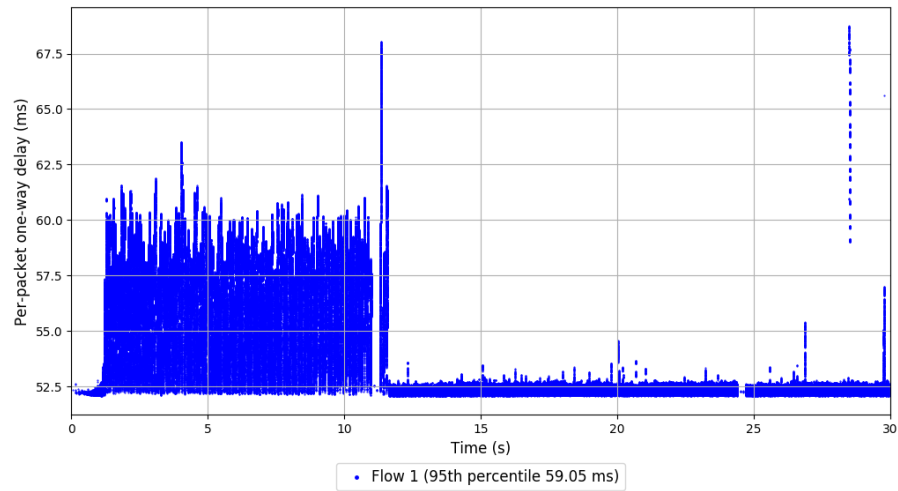
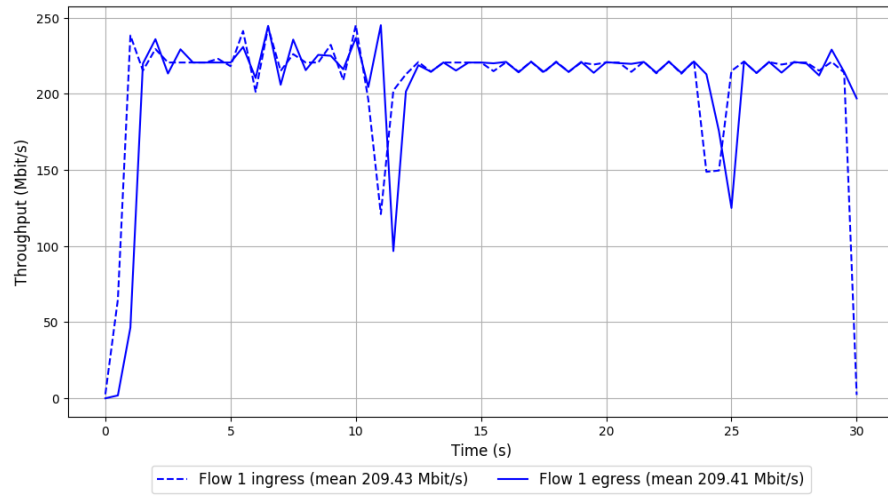
-- Flow 1:

Average throughput: 209.41 Mbit/s

95th percentile per-packet one-way delay: 59.048 ms

Loss rate: 0.36%

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



Run 7: Statistics of TCP BBR

Start at: 2018-07-06 03:47:53

End at: 2018-07-06 03:48:23

Local clock offset: -0.012 ms

Remote clock offset: 1.058 ms

# Below is generated by plot.py at 2018-07-06 05:29:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 218.46 Mbit/s

95th percentile per-packet one-way delay: 59.729 ms

Loss rate: 0.37%

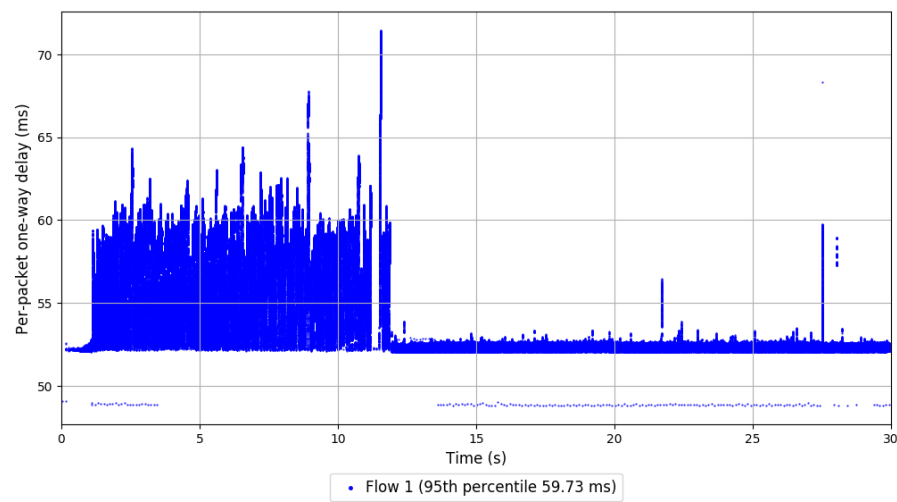
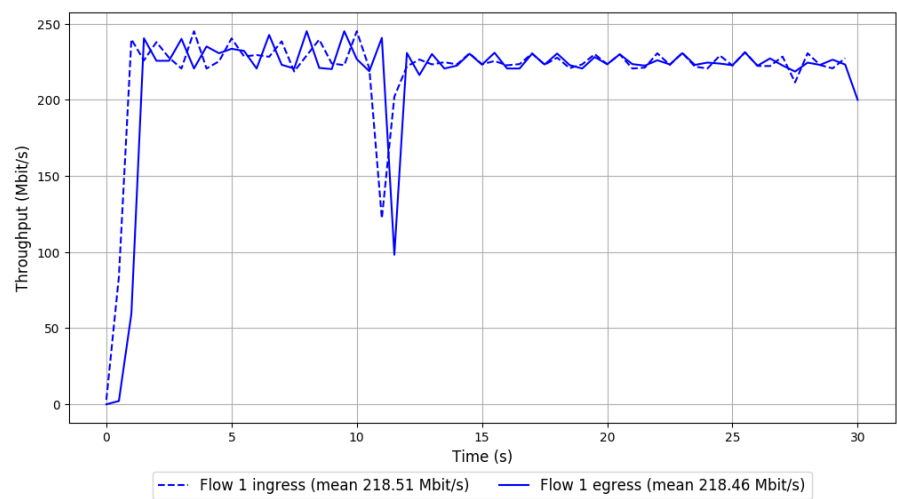
-- Flow 1:

Average throughput: 218.46 Mbit/s

95th percentile per-packet one-way delay: 59.729 ms

Loss rate: 0.37%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-06 04:09:55

End at: 2018-07-06 04:10:25

Local clock offset: 0.147 ms

Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-07-06 05:29:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 216.09 Mbit/s

95th percentile per-packet one-way delay: 59.965 ms

Loss rate: 0.37%

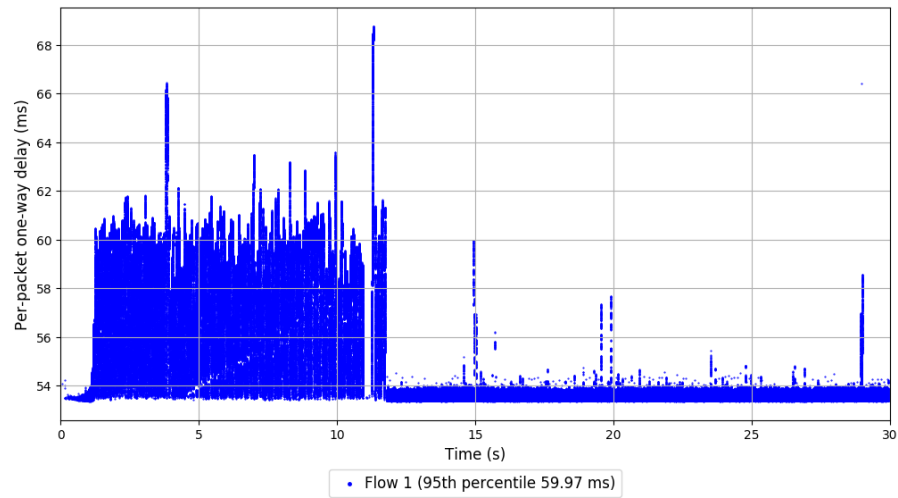
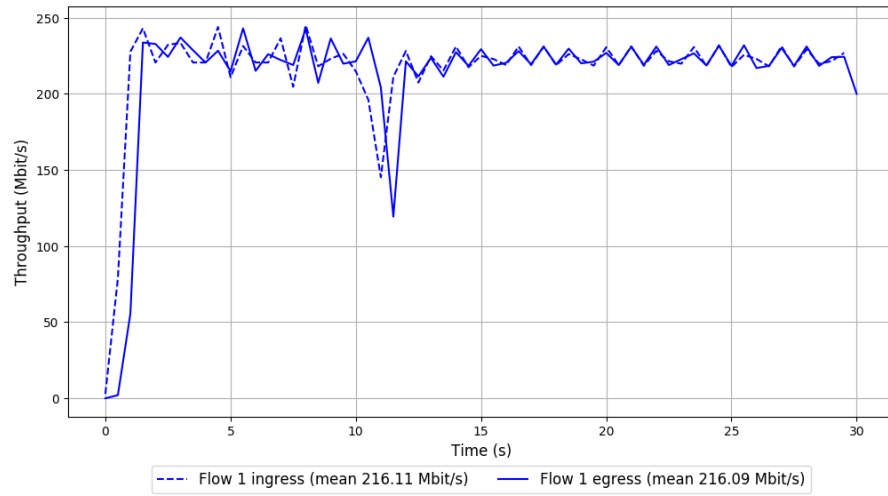
-- Flow 1:

Average throughput: 216.09 Mbit/s

95th percentile per-packet one-way delay: 59.965 ms

Loss rate: 0.37%

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



Run 9: Statistics of TCP BBR

Start at: 2018-07-06 04:31:51

End at: 2018-07-06 04:32:21

Local clock offset: -0.201 ms

Remote clock offset: 0.142 ms

# Below is generated by plot.py at 2018-07-06 05:32:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 214.61 Mbit/s

95th percentile per-packet one-way delay: 59.406 ms

Loss rate: 0.36%

-- Flow 1:

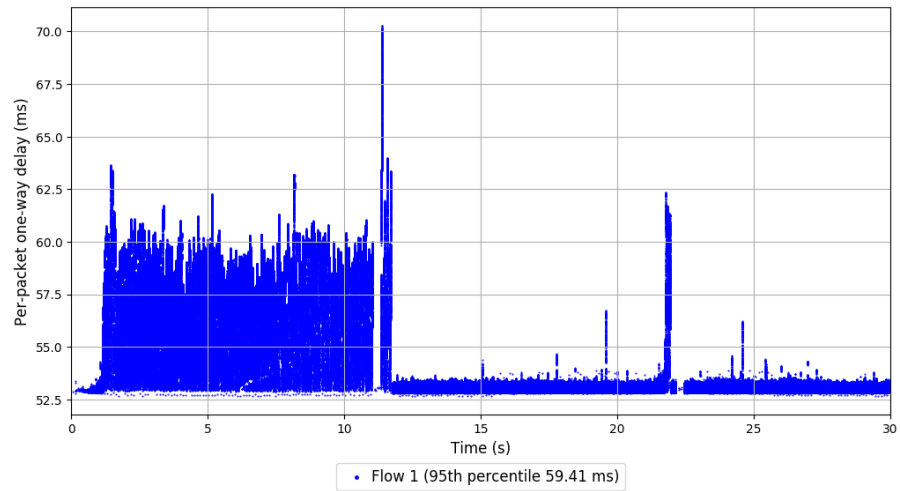
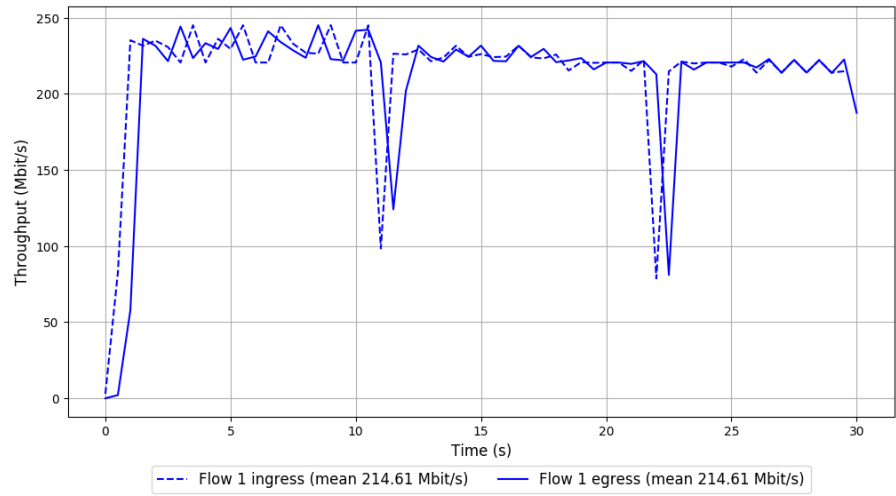
Average throughput: 214.61 Mbit/s

95th percentile per-packet one-way delay: 59.406 ms

Loss rate: 0.36%



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

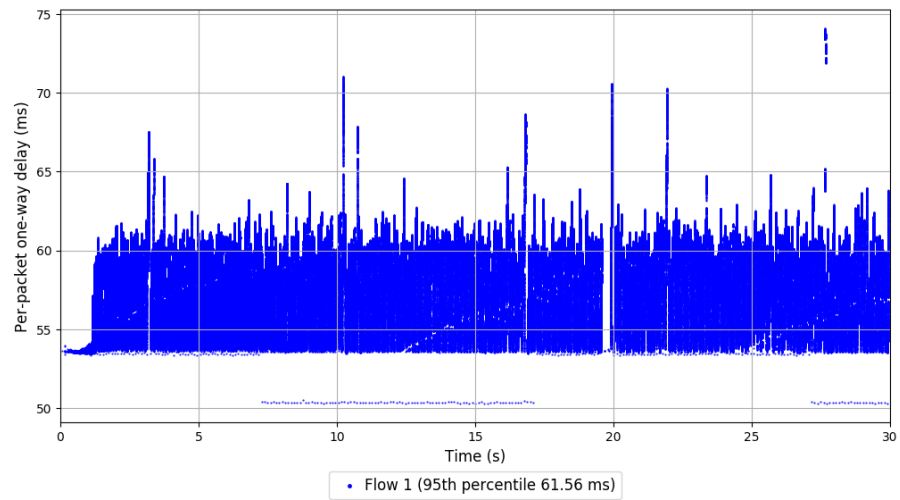
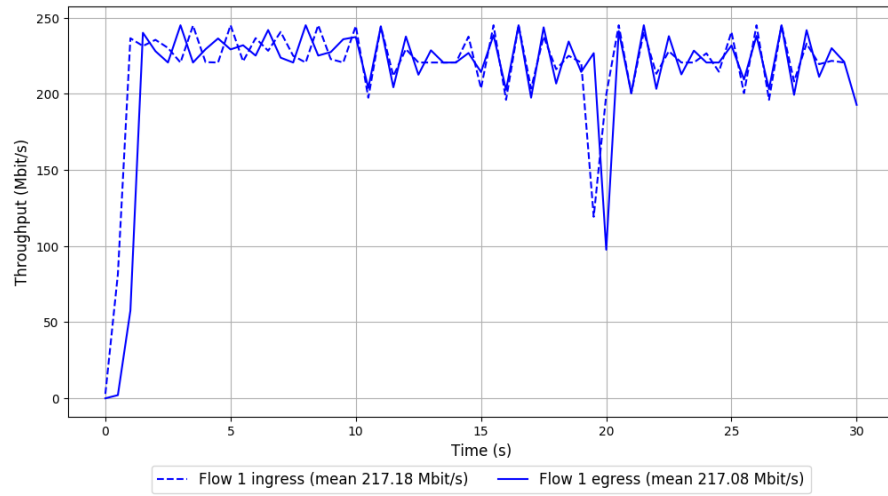


Run 10: Statistics of TCP BBR

Start at: 2018-07-06 04:53:29  
End at: 2018-07-06 04:53:59  
Local clock offset: 0.12 ms  
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-07-06 05:32:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 217.08 Mbit/s  
95th percentile per-packet one-way delay: 61.563 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 217.08 Mbit/s  
95th percentile per-packet one-way delay: 61.563 ms  
Loss rate: 0.40%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-06 01:46:16

End at: 2018-07-06 01:46:46

Local clock offset: -0.099 ms

Remote clock offset: 0.184 ms

# Below is generated by plot.py at 2018-07-06 05:37:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 249.38 Mbit/s

95th percentile per-packet one-way delay: 63.438 ms

Loss rate: 0.17%

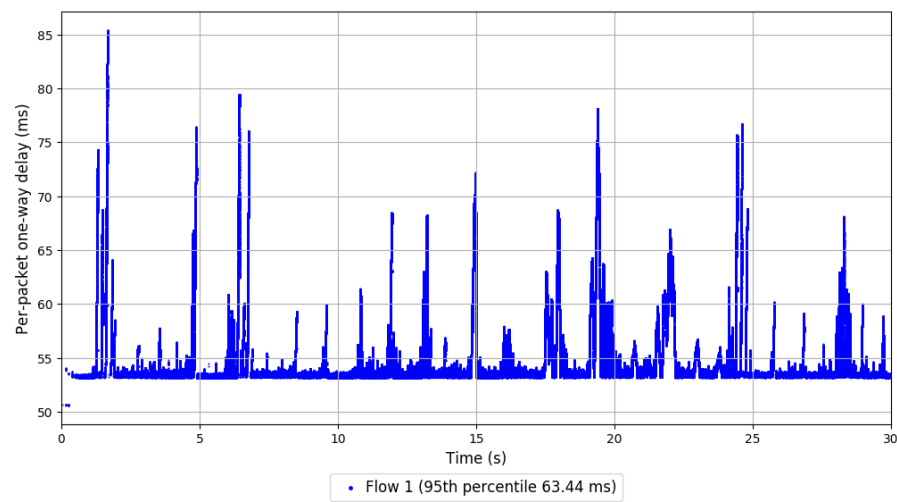
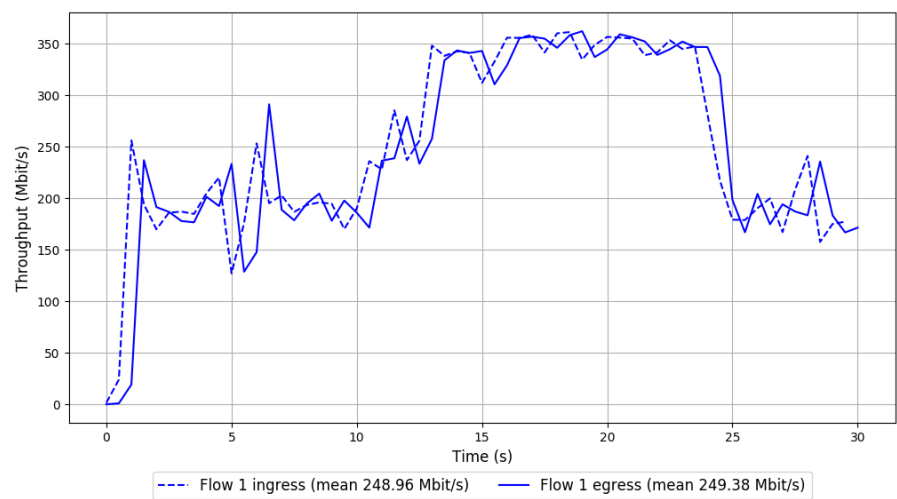
-- Flow 1:

Average throughput: 249.38 Mbit/s

95th percentile per-packet one-way delay: 63.438 ms

Loss rate: 0.17%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-06 02:08:06

End at: 2018-07-06 02:08:36

Local clock offset: 0.24 ms

Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-07-06 05:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 261.11 Mbit/s

95th percentile per-packet one-way delay: 70.520 ms

Loss rate: 0.39%

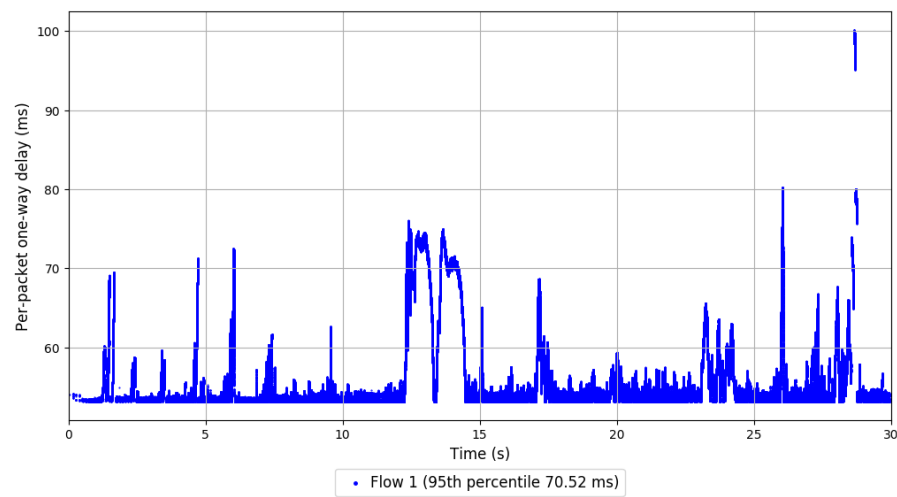
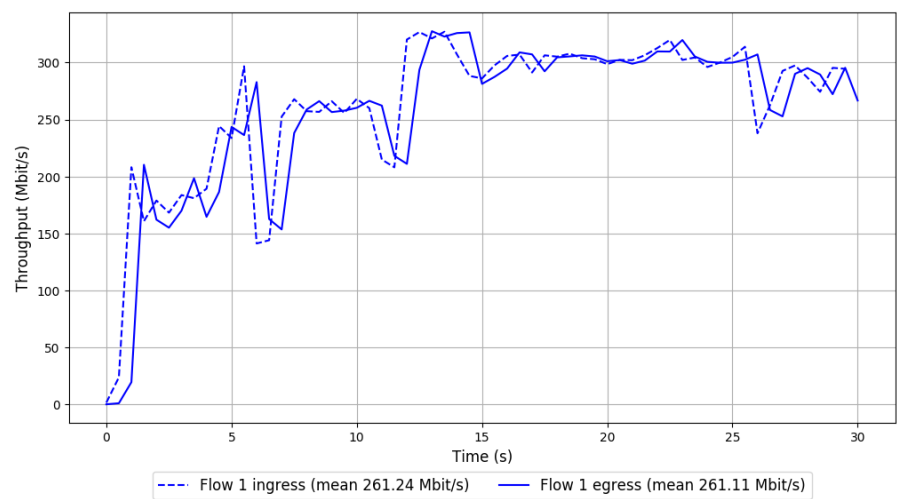
-- Flow 1:

Average throughput: 261.11 Mbit/s

95th percentile per-packet one-way delay: 70.520 ms

Loss rate: 0.39%

Run 2: Report of Copa — Data Link



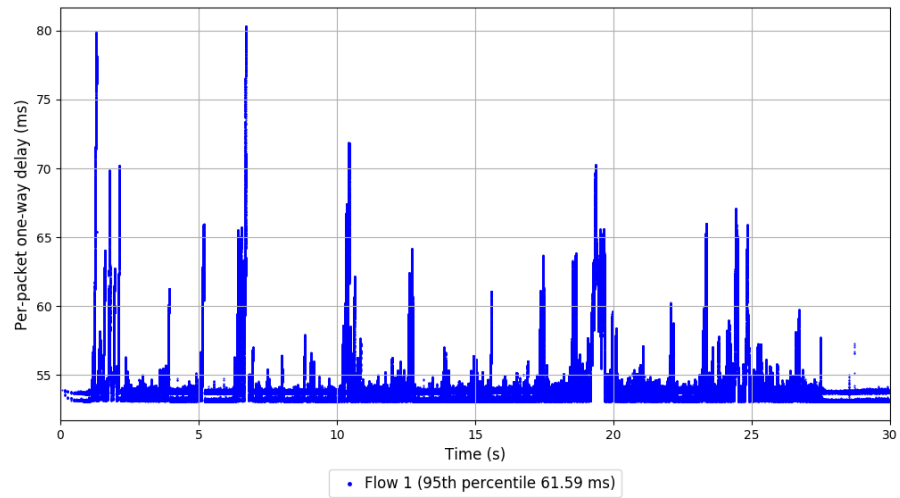
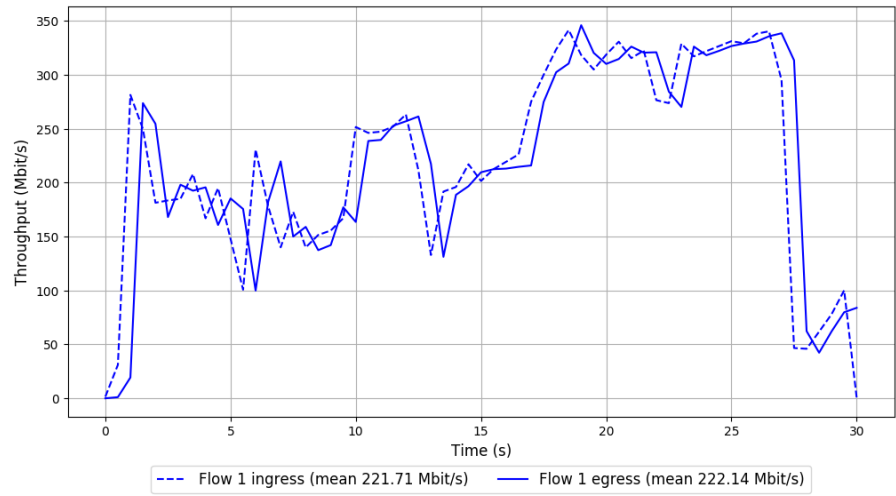
Run 3: Statistics of Copa

Start at: 2018-07-06 02:29:42  
End at: 2018-07-06 02:30:12  
Local clock offset: 0.083 ms  
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-07-06 05:37:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 222.14 Mbit/s  
95th percentile per-packet one-way delay: 61.594 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 222.14 Mbit/s  
95th percentile per-packet one-way delay: 61.594 ms  
Loss rate: 0.17%



### Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-06 02:51:51

End at: 2018-07-06 02:52:21

Local clock offset: -0.148 ms

Remote clock offset: 1.538 ms

# Below is generated by plot.py at 2018-07-06 05:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 146.88 Mbit/s

95th percentile per-packet one-way delay: 63.748 ms

Loss rate: 0.13%

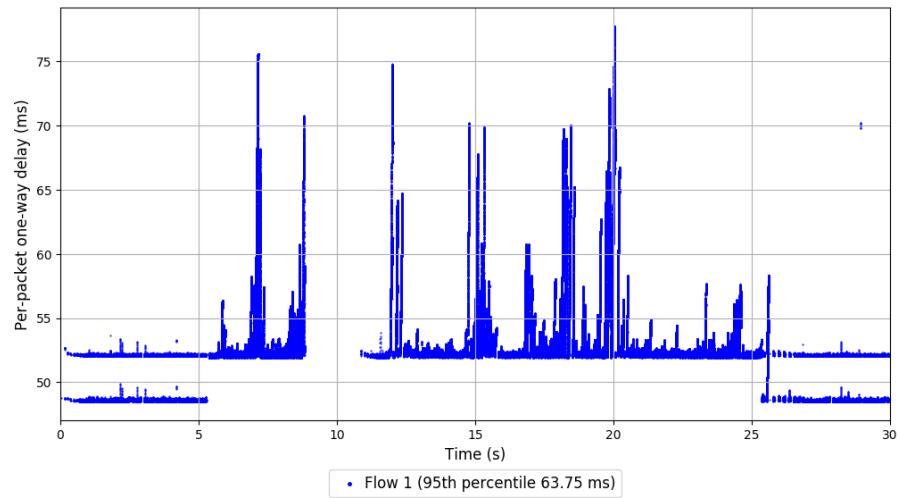
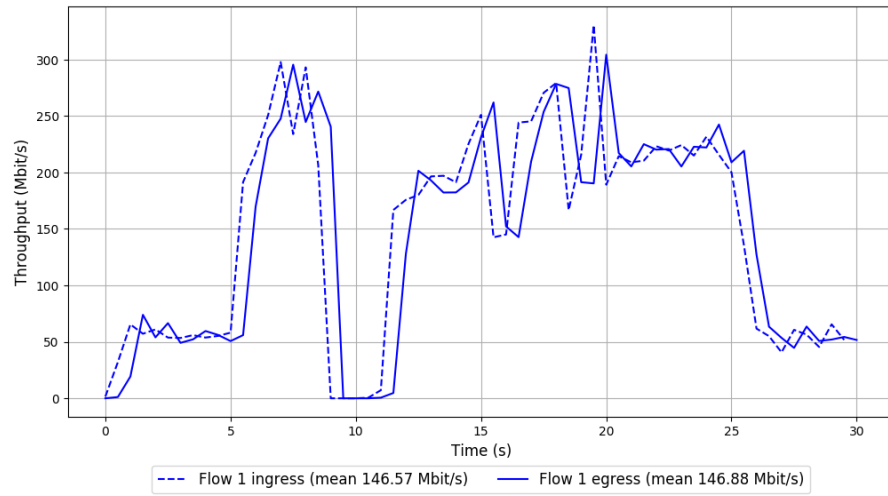
-- Flow 1:

Average throughput: 146.88 Mbit/s

95th percentile per-packet one-way delay: 63.748 ms

Loss rate: 0.13%

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



Run 5: Statistics of Copa

Start at: 2018-07-06 03:13:45

End at: 2018-07-06 03:14:15

Local clock offset: 0.036 ms

Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2018-07-06 05:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.78 Mbit/s

95th percentile per-packet one-way delay: 61.575 ms

Loss rate: 0.27%

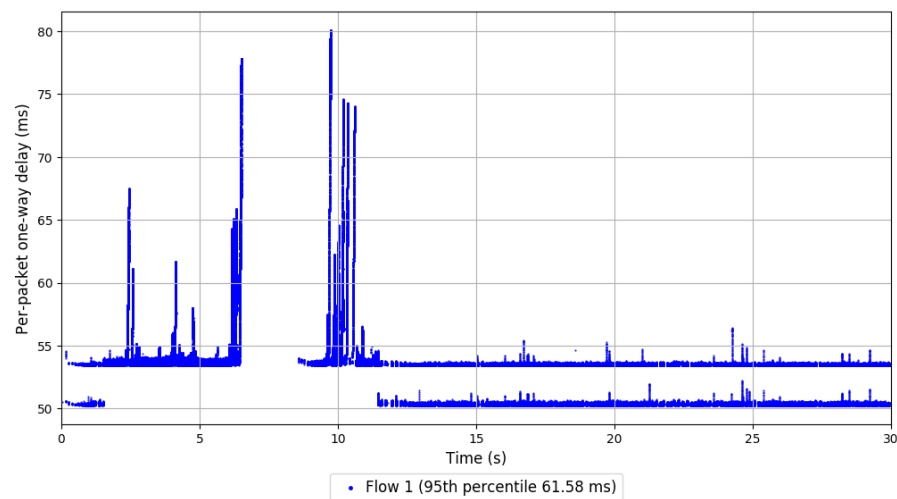
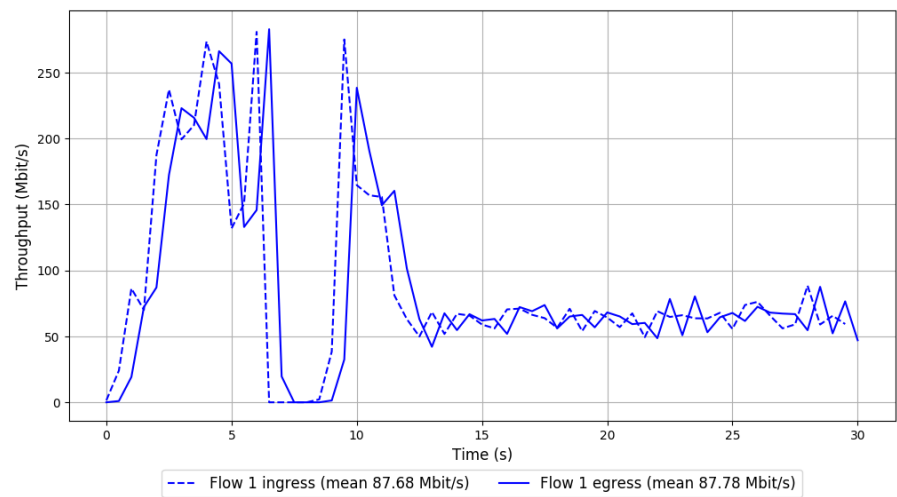
-- Flow 1:

Average throughput: 87.78 Mbit/s

95th percentile per-packet one-way delay: 61.575 ms

Loss rate: 0.27%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-06 03:35:16

End at: 2018-07-06 03:35:46

Local clock offset: 0.142 ms

Remote clock offset: 0.162 ms

# Below is generated by plot.py at 2018-07-06 05:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.70 Mbit/s

95th percentile per-packet one-way delay: 53.215 ms

Loss rate: 0.40%

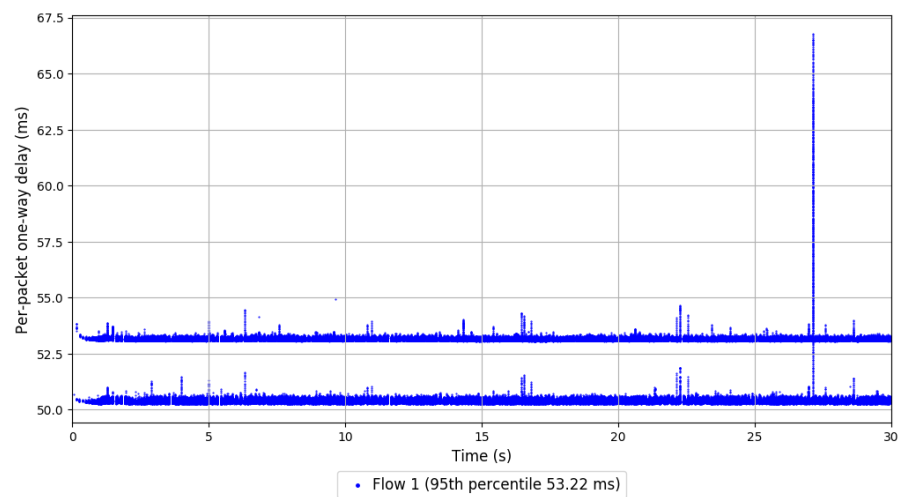
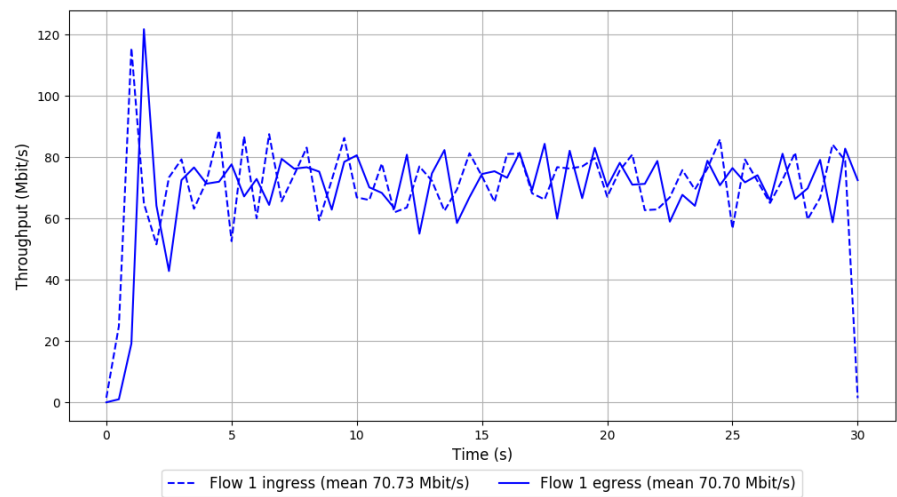
-- Flow 1:

Average throughput: 70.70 Mbit/s

95th percentile per-packet one-way delay: 53.215 ms

Loss rate: 0.40%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-06 03:57:04

End at: 2018-07-06 03:57:34

Local clock offset: 0.004 ms

Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-07-06 05:37:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 135.72 Mbit/s

95th percentile per-packet one-way delay: 67.307 ms

Loss rate: 0.16%

-- Flow 1:

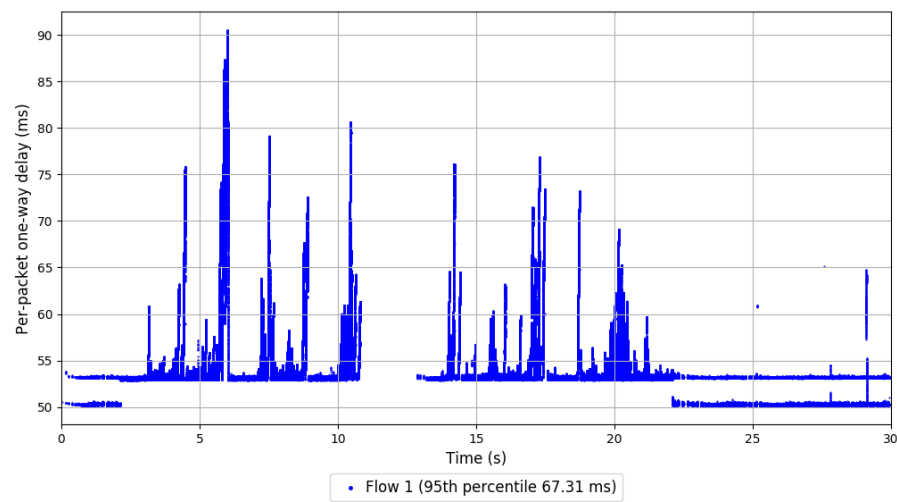
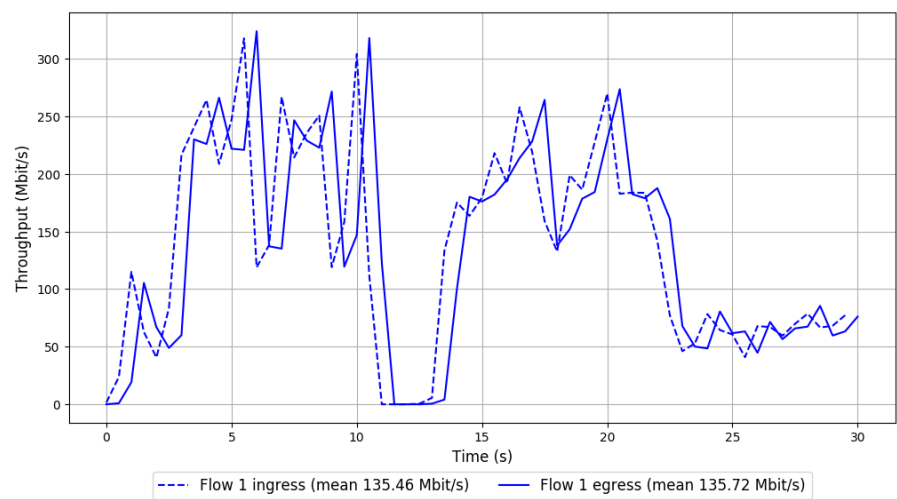
Average throughput: 135.72 Mbit/s

95th percentile per-packet one-way delay: 67.307 ms

Loss rate: 0.16%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-06 04:18:53

End at: 2018-07-06 04:19:23

Local clock offset: 0.044 ms

Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-07-06 05:37:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 180.52 Mbit/s

95th percentile per-packet one-way delay: 61.973 ms

Loss rate: 0.50%

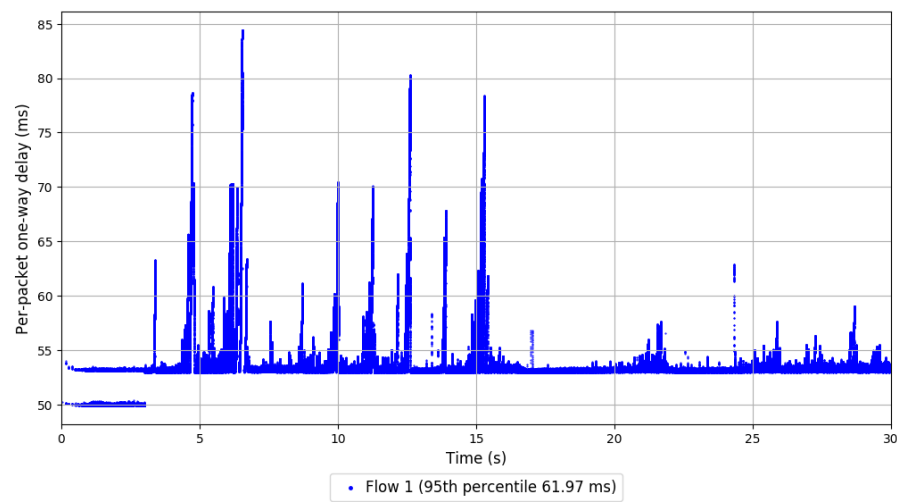
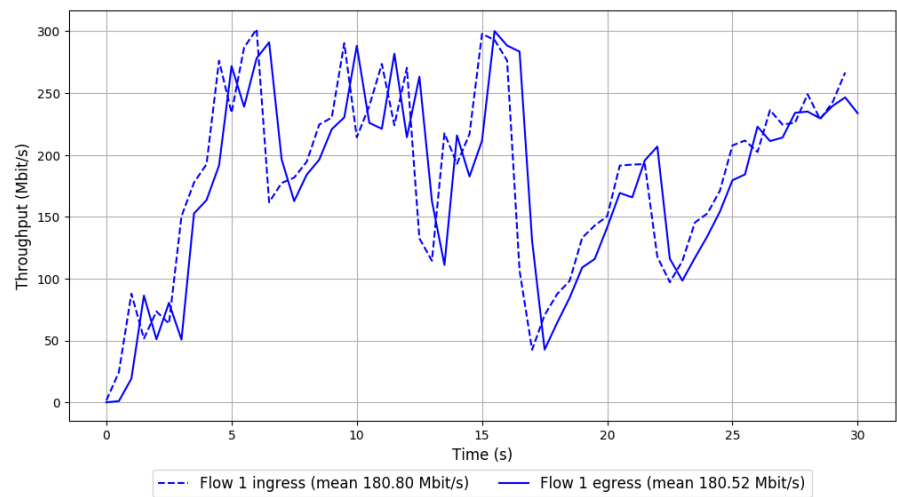
-- Flow 1:

Average throughput: 180.52 Mbit/s

95th percentile per-packet one-way delay: 61.973 ms

Loss rate: 0.50%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-06 04:40:44

End at: 2018-07-06 04:41:14

Local clock offset: -0.071 ms

Remote clock offset: 1.182 ms

# Below is generated by plot.py at 2018-07-06 05:37:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.17 Mbit/s

95th percentile per-packet one-way delay: 52.021 ms

Loss rate: 0.28%

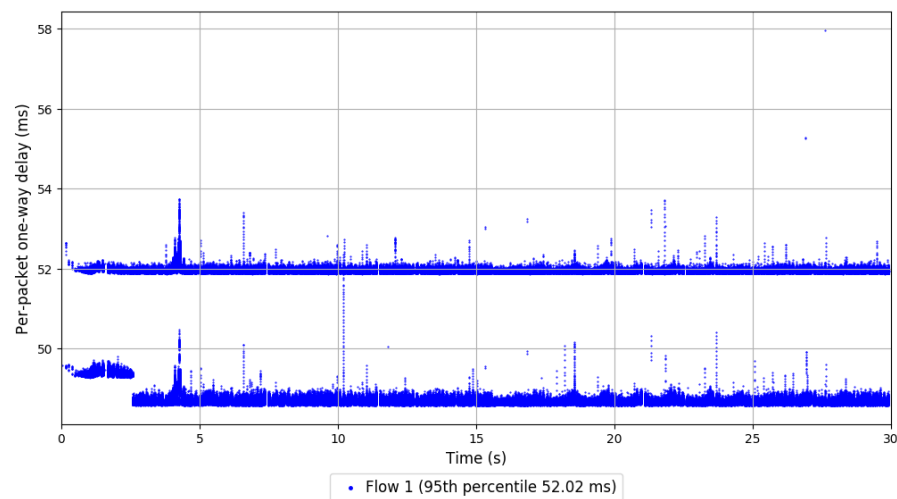
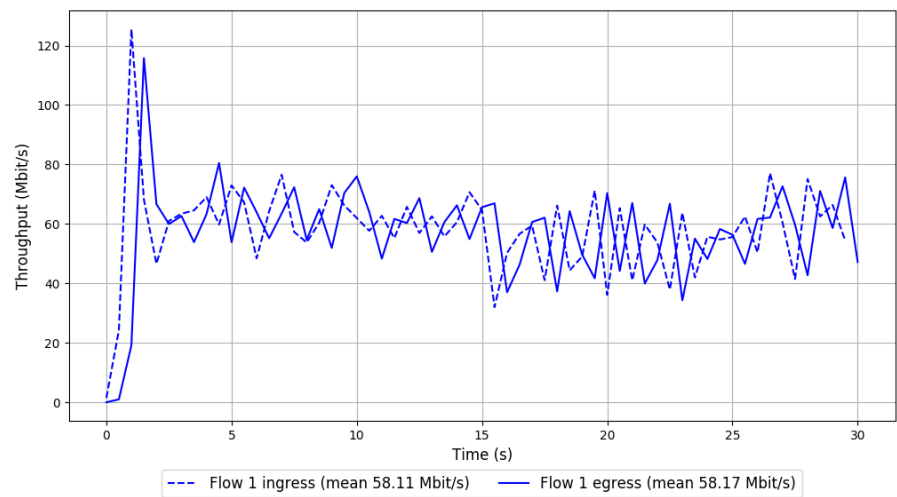
-- Flow 1:

Average throughput: 58.17 Mbit/s

95th percentile per-packet one-way delay: 52.021 ms

Loss rate: 0.28%

Run 9: Report of Copa — Data Link

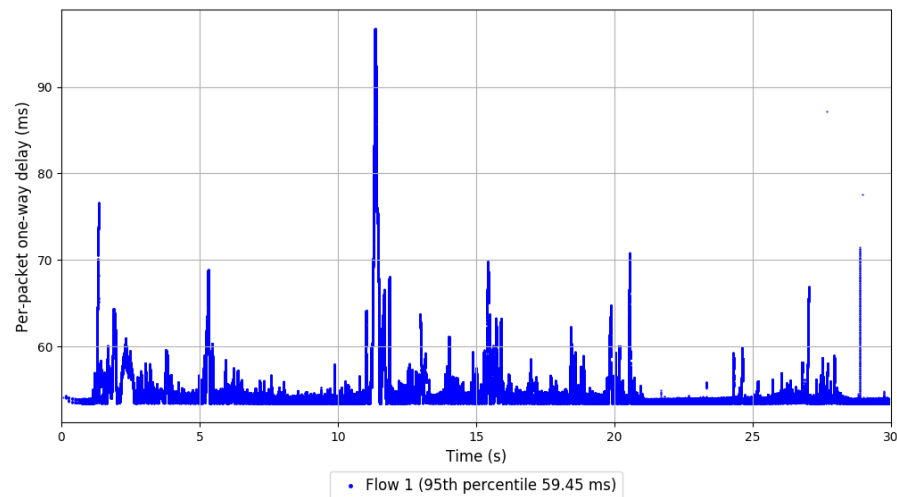
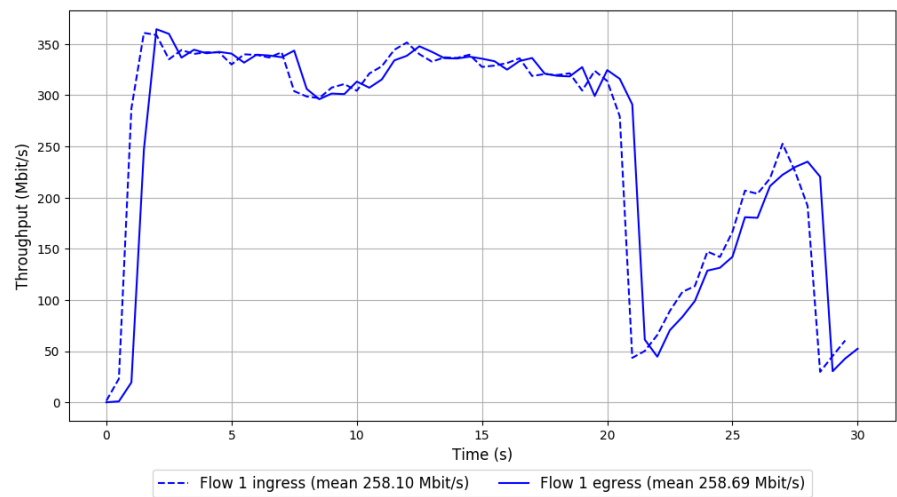


Run 10: Statistics of Copa

Start at: 2018-07-06 05:02:19  
End at: 2018-07-06 05:02:49  
Local clock offset: 0.061 ms  
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2018-07-06 05:41:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 258.69 Mbit/s  
95th percentile per-packet one-way delay: 59.445 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 258.69 Mbit/s  
95th percentile per-packet one-way delay: 59.445 ms  
Loss rate: 0.10%

Run 10: Report of Copa — Data Link



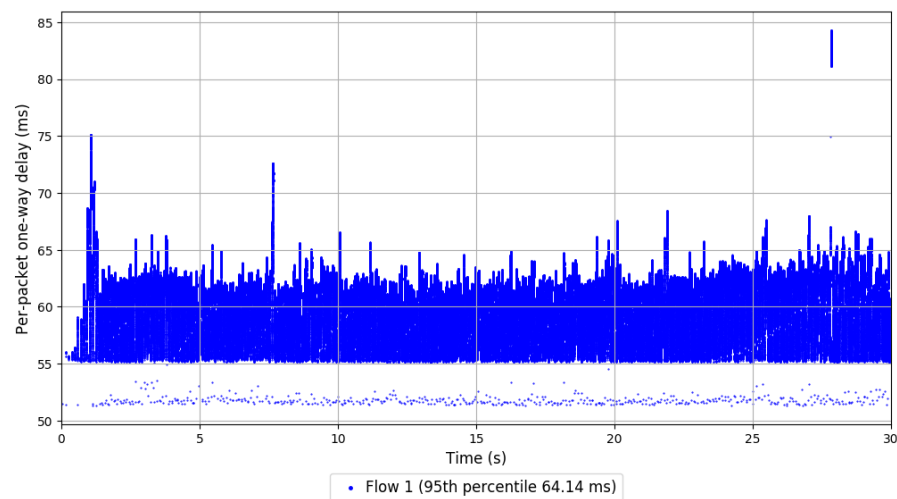
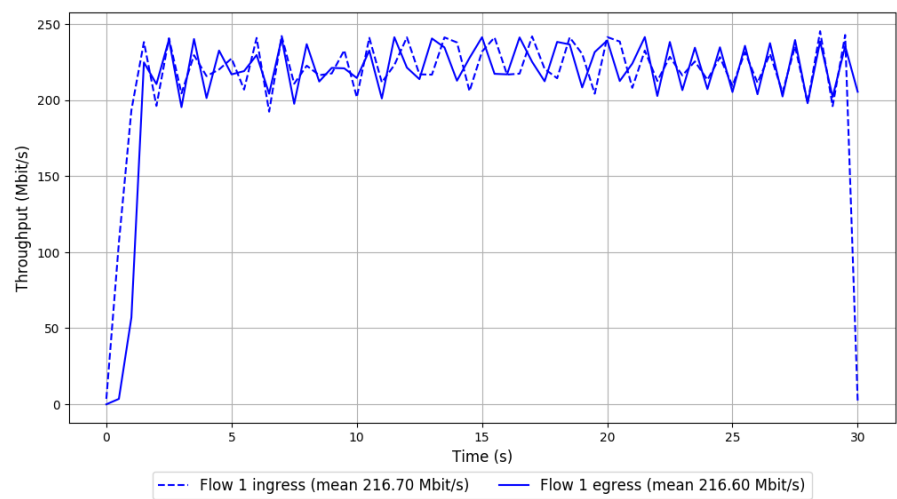
Run 1: Statistics of TCP Cubic

Start at: 2018-07-06 01:52:48  
End at: 2018-07-06 01:53:18  
Local clock offset: 0.191 ms  
Remote clock offset: -1.266 ms

# Below is generated by plot.py at 2018-07-06 05:41:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 216.60 Mbit/s  
95th percentile per-packet one-way delay: 64.138 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 216.60 Mbit/s  
95th percentile per-packet one-way delay: 64.138 ms  
Loss rate: 0.38%



Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-06 02:14:41

End at: 2018-07-06 02:15:11

Local clock offset: 0.24 ms

Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2018-07-06 05:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 221.98 Mbit/s

95th percentile per-packet one-way delay: 61.921 ms

Loss rate: 0.36%

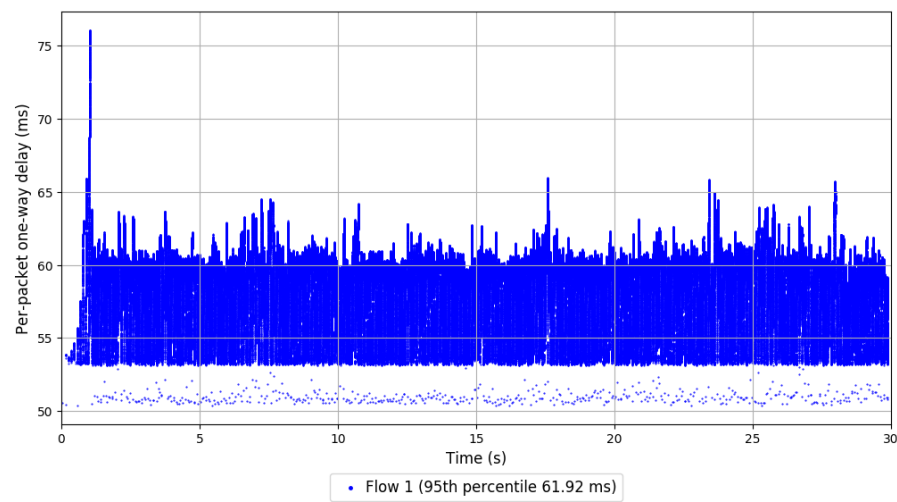
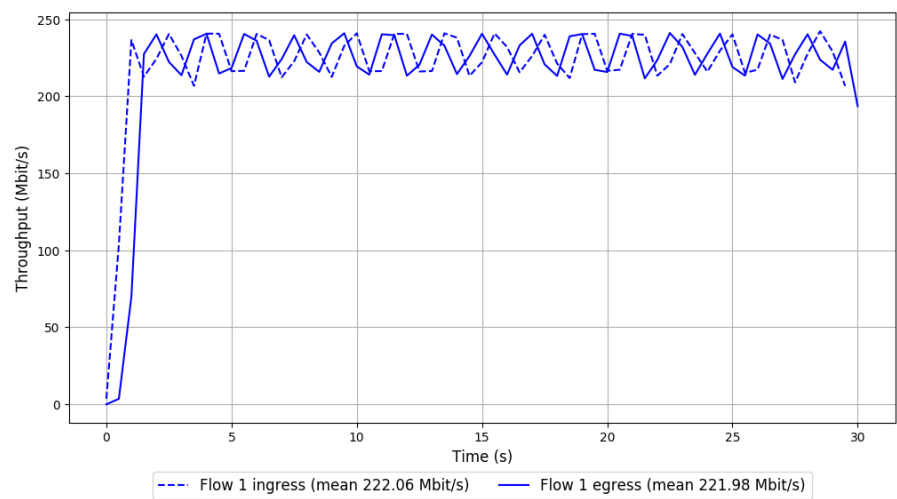
-- Flow 1:

Average throughput: 221.98 Mbit/s

95th percentile per-packet one-way delay: 61.921 ms

Loss rate: 0.36%

Run 2: Report of TCP Cubic — Data Link

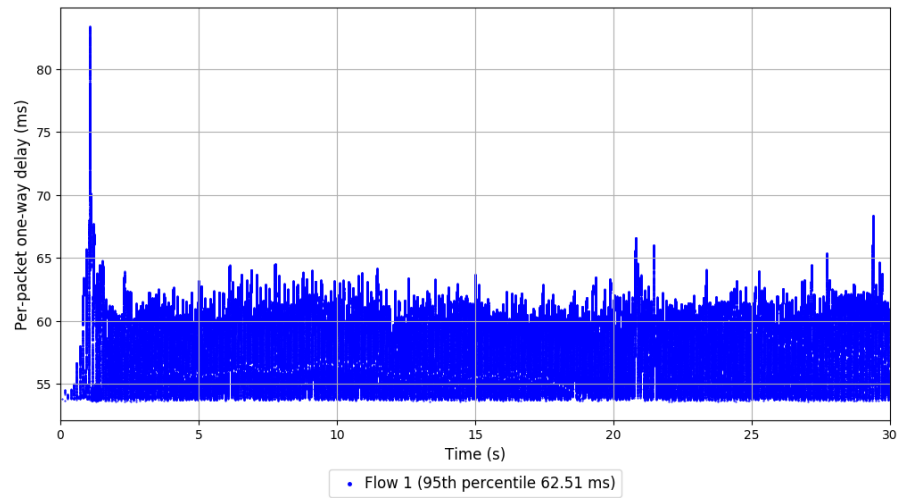
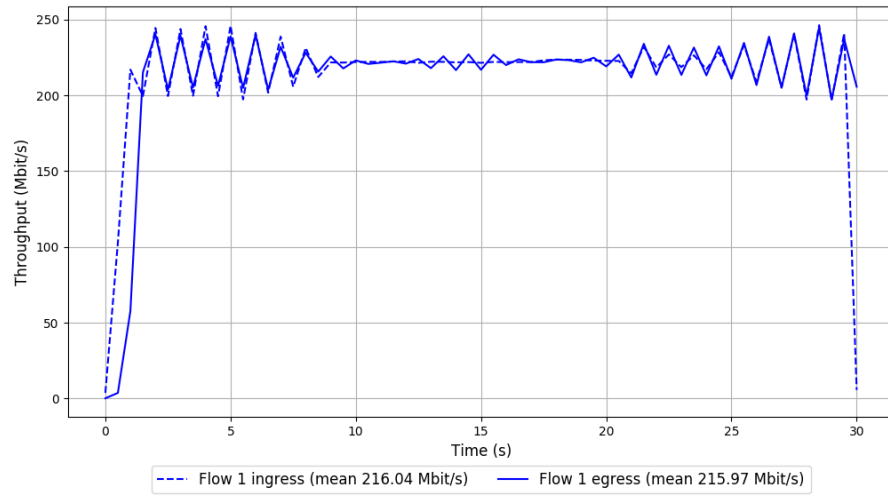


Run 3: Statistics of TCP Cubic

Start at: 2018-07-06 02:36:15  
End at: 2018-07-06 02:36:45  
Local clock offset: -0.05 ms  
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-07-06 05:41:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 215.97 Mbit/s  
95th percentile per-packet one-way delay: 62.512 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 215.97 Mbit/s  
95th percentile per-packet one-way delay: 62.512 ms  
Loss rate: 0.38%

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

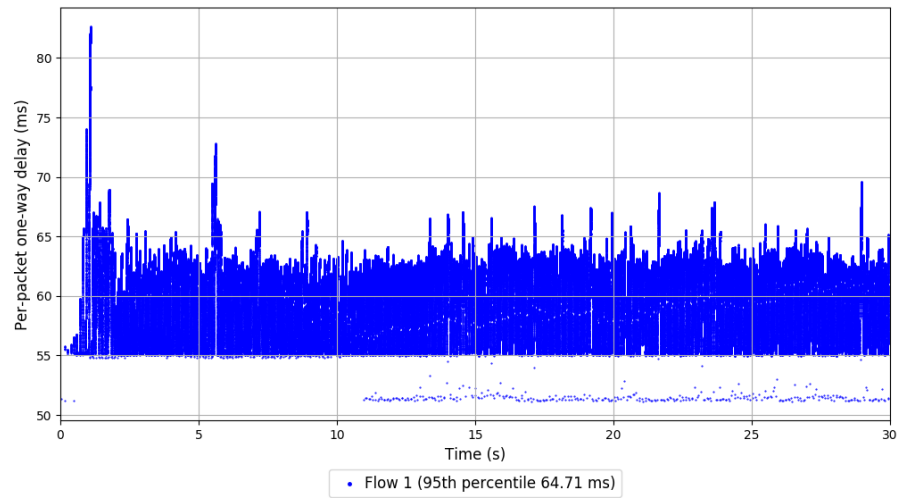
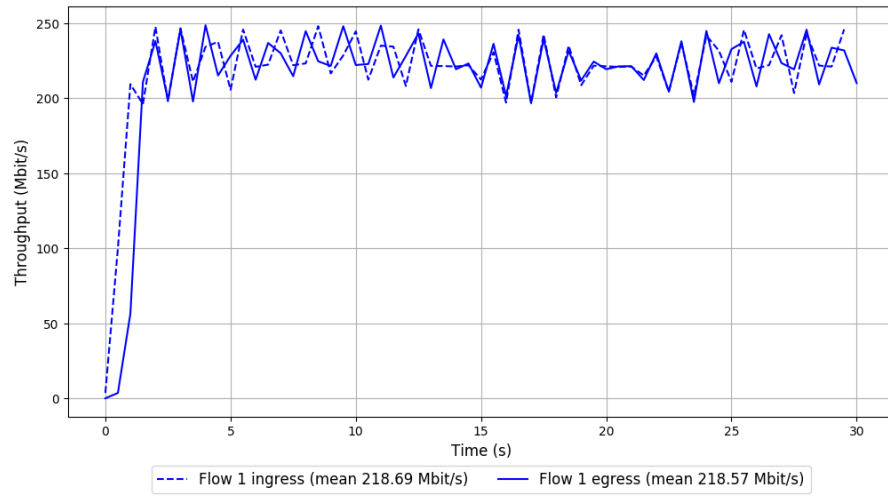


Run 4: Statistics of TCP Cubic

Start at: 2018-07-06 02:58:15  
End at: 2018-07-06 02:58:45  
Local clock offset: -0.006 ms  
Remote clock offset: -1.214 ms

# Below is generated by plot.py at 2018-07-06 05:41:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 218.57 Mbit/s  
95th percentile per-packet one-way delay: 64.708 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 218.57 Mbit/s  
95th percentile per-packet one-way delay: 64.708 ms  
Loss rate: 0.38%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-07-06 03:20:05

End at: 2018-07-06 03:20:35

Local clock offset: 0.169 ms

Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-07-06 05:41:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 215.22 Mbit/s

95th percentile per-packet one-way delay: 63.854 ms

Loss rate: 0.36%

-- Flow 1:

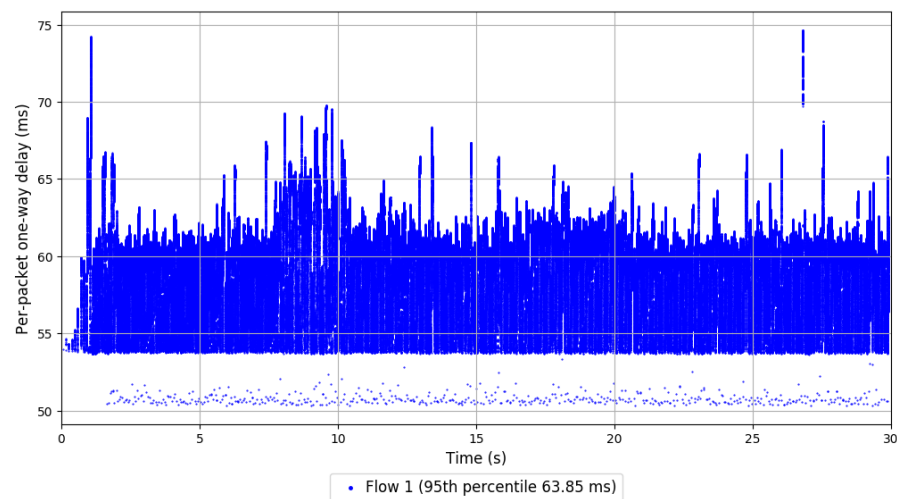
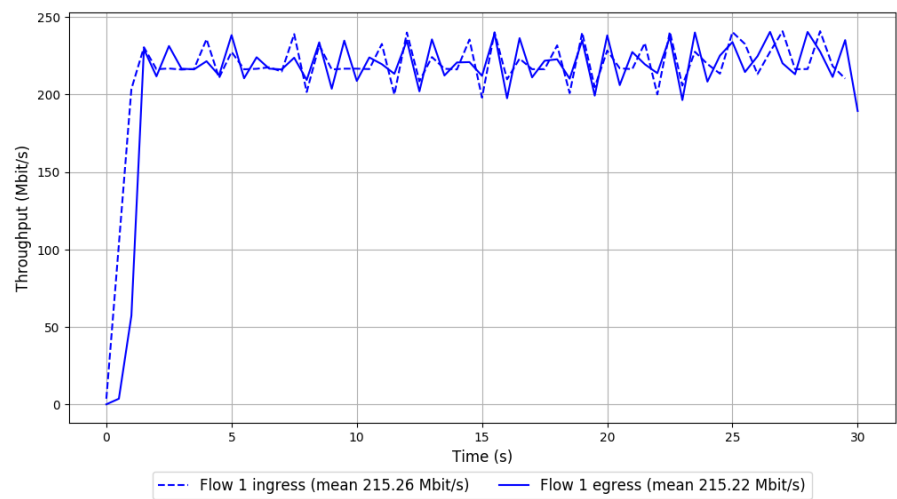
Average throughput: 215.22 Mbit/s

95th percentile per-packet one-way delay: 63.854 ms

Loss rate: 0.36%



Run 5: Report of TCP Cubic — Data Link

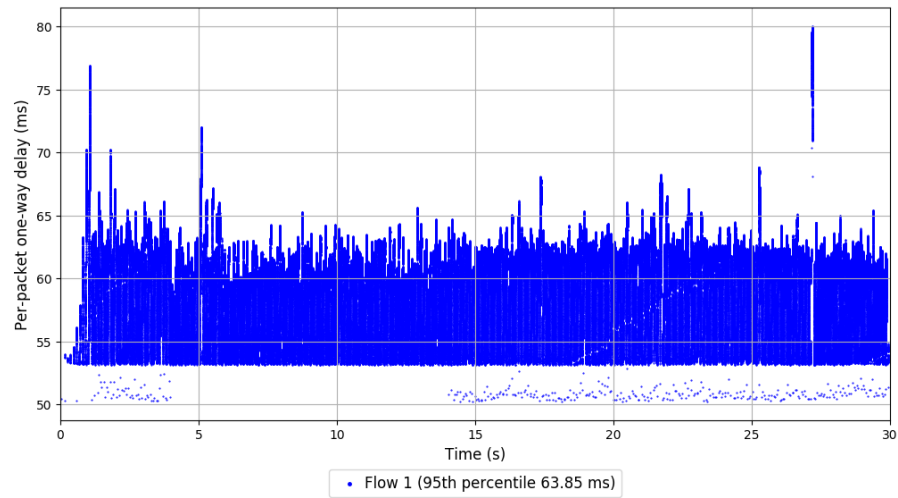
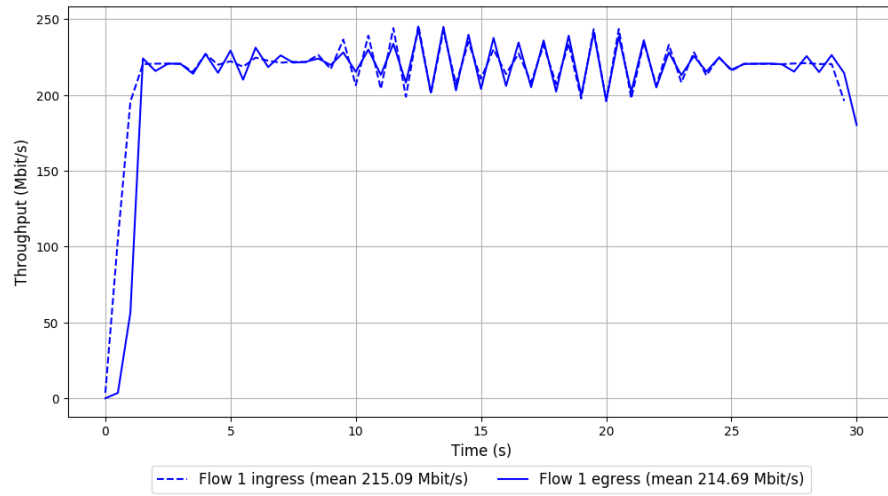


Run 6: Statistics of TCP Cubic

Start at: 2018-07-06 03:41:32  
End at: 2018-07-06 03:42:02  
Local clock offset: -0.1 ms  
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-07-06 05:41:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 214.69 Mbit/s  
95th percentile per-packet one-way delay: 63.854 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 214.69 Mbit/s  
95th percentile per-packet one-way delay: 63.854 ms  
Loss rate: 0.36%

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

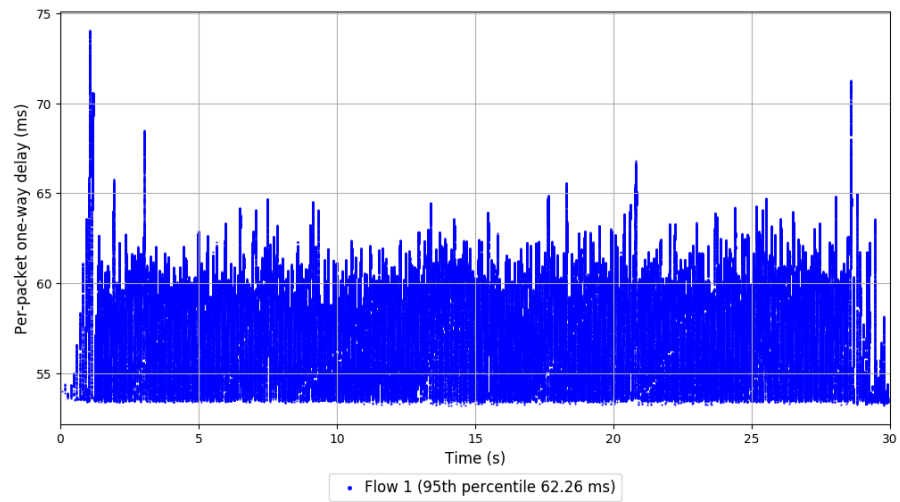
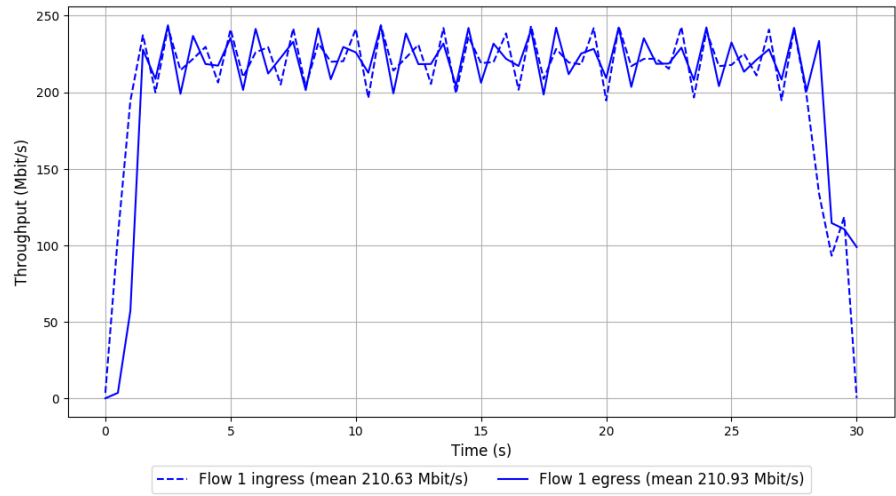


Run 7: Statistics of TCP Cubic

Start at: 2018-07-06 04:03:27  
End at: 2018-07-06 04:03:57  
Local clock offset: -0.053 ms  
Remote clock offset: -0.245 ms

# Below is generated by plot.py at 2018-07-06 05:41:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 210.93 Mbit/s  
95th percentile per-packet one-way delay: 62.258 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 210.93 Mbit/s  
95th percentile per-packet one-way delay: 62.258 ms  
Loss rate: 0.21%

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



Run 8: Statistics of TCP Cubic

Start at: 2018-07-06 04:25:23

End at: 2018-07-06 04:25:53

Local clock offset: -0.053 ms

Remote clock offset: 0.215 ms

# Below is generated by plot.py at 2018-07-06 05:42:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 216.78 Mbit/s

95th percentile per-packet one-way delay: 62.343 ms

Loss rate: 0.39%

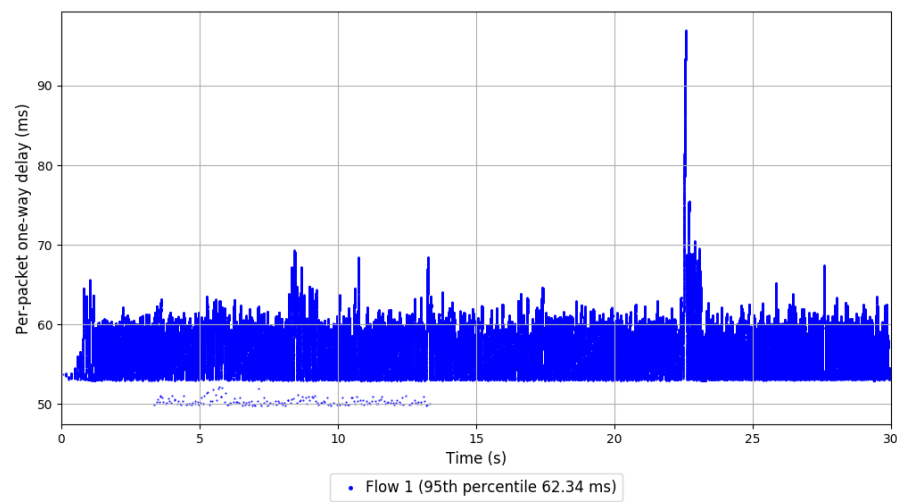
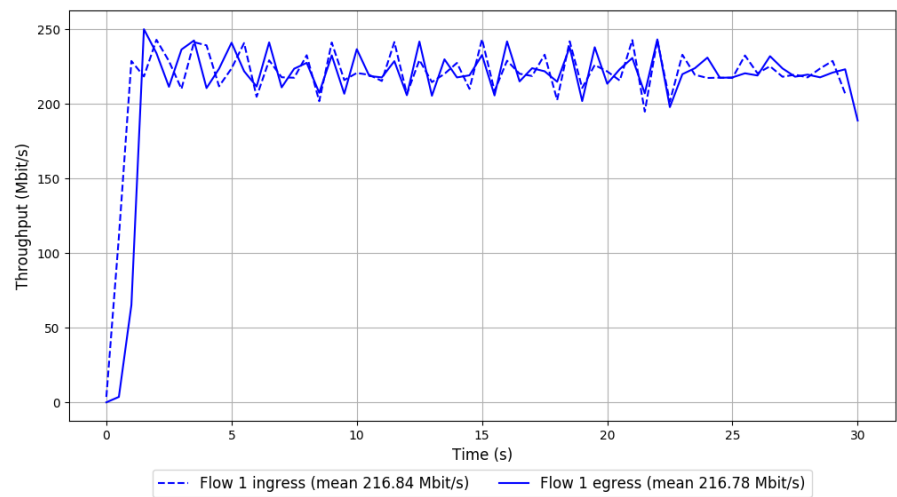
-- Flow 1:

Average throughput: 216.78 Mbit/s

95th percentile per-packet one-way delay: 62.343 ms

Loss rate: 0.39%

Run 8: Report of TCP Cubic — Data Link



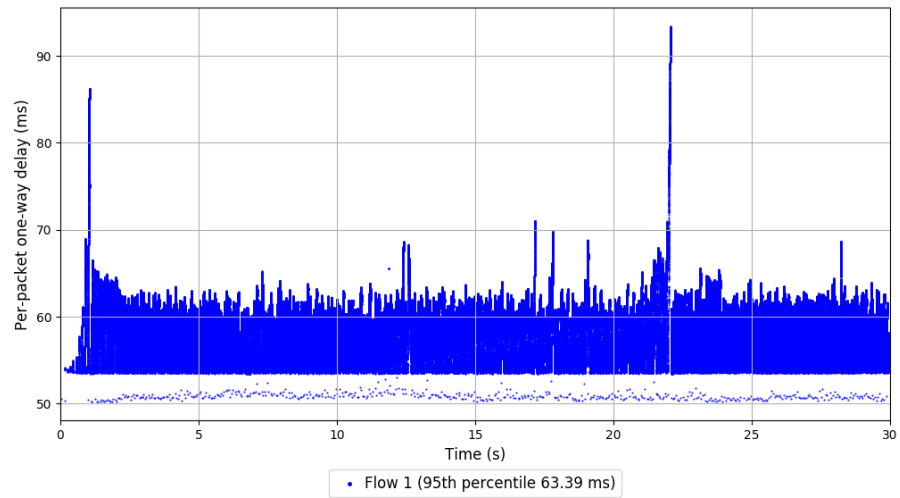
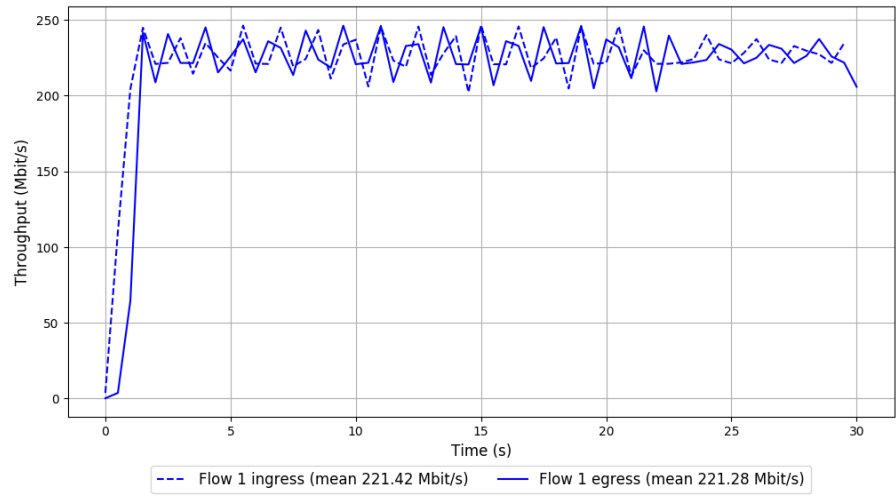
Run 9: Statistics of TCP Cubic

Start at: 2018-07-06 04:47:02  
End at: 2018-07-06 04:47:32  
Local clock offset: 0.214 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-07-06 05:42:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 221.28 Mbit/s  
95th percentile per-packet one-way delay: 63.393 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 221.28 Mbit/s  
95th percentile per-packet one-way delay: 63.393 ms  
Loss rate: 0.40%



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



Run 10: Statistics of TCP Cubic

Start at: 2018-07-06 05:08:57

End at: 2018-07-06 05:09:27

Local clock offset: -0.116 ms

Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-07-06 05:43:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 202.98 Mbit/s

95th percentile per-packet one-way delay: 61.314 ms

Loss rate: 0.40%

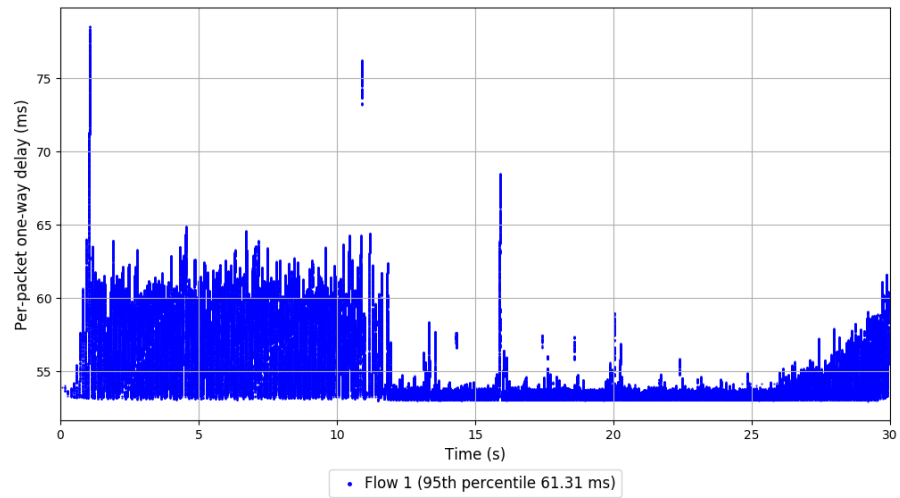
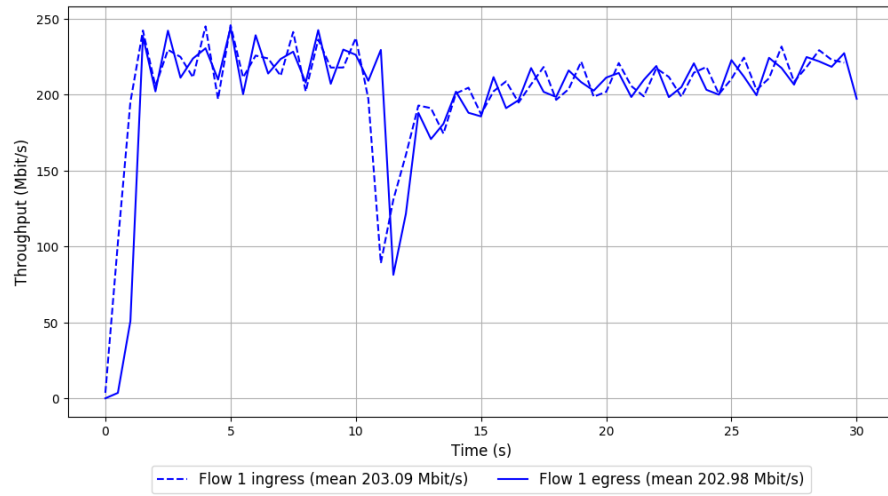
-- Flow 1:

Average throughput: 202.98 Mbit/s

95th percentile per-packet one-way delay: 61.314 ms

Loss rate: 0.40%

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



Run 1: Statistics of FillP

Start at: 2018-07-06 01:47:42

End at: 2018-07-06 01:48:12

Local clock offset: -0.066 ms

Remote clock offset: 0.253 ms

# Below is generated by plot.py at 2018-07-06 05:55:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 671.40 Mbit/s

95th percentile per-packet one-way delay: 263.188 ms

Loss rate: 3.57%

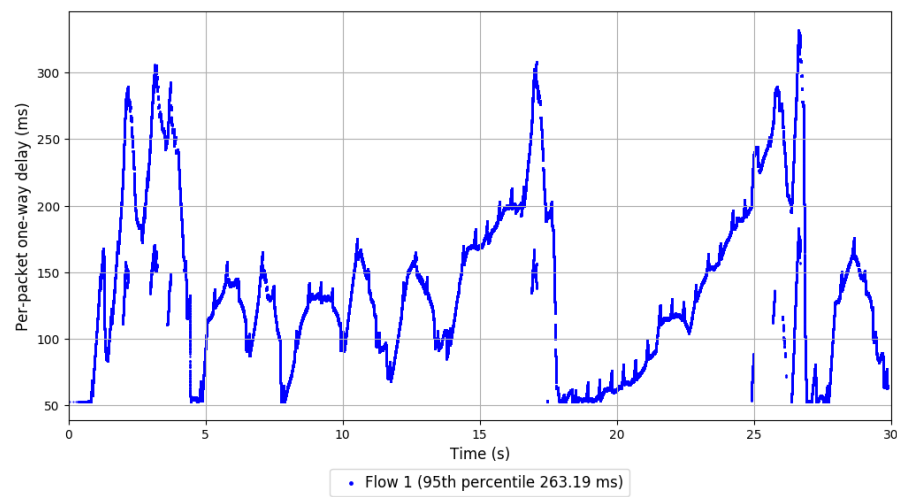
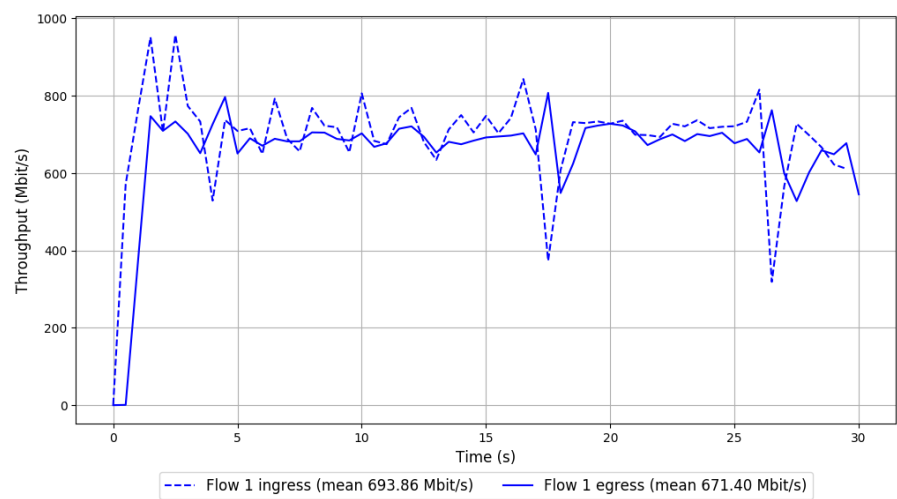
-- Flow 1:

Average throughput: 671.40 Mbit/s

95th percentile per-packet one-way delay: 263.188 ms

Loss rate: 3.57%

Run 1: Report of FillP — Data Link

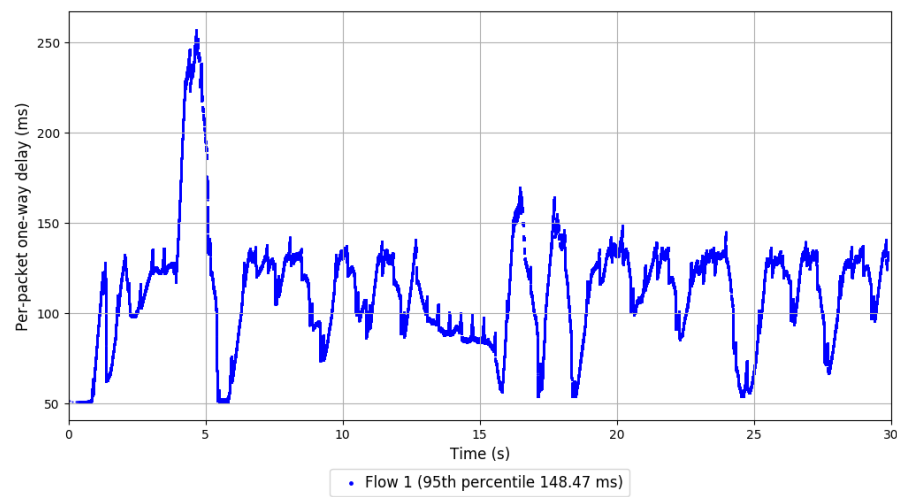
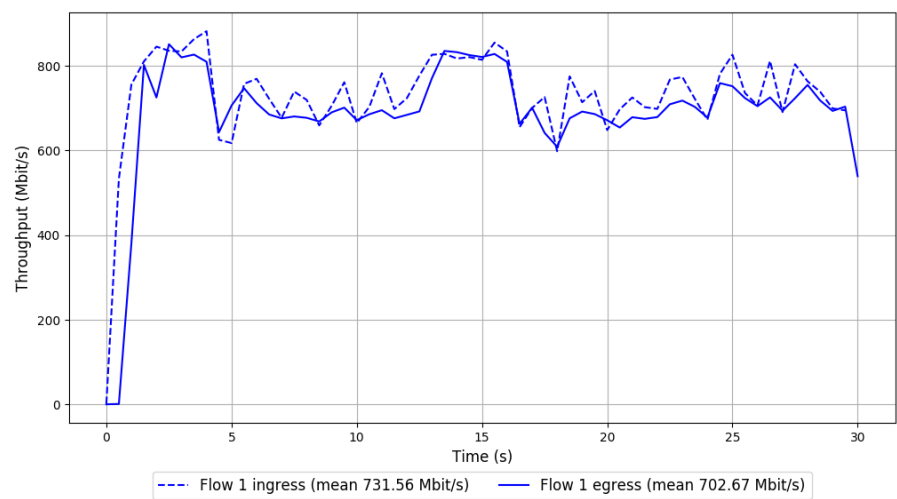


Run 2: Statistics of FillP

Start at: 2018-07-06 02:09:34  
End at: 2018-07-06 02:10:04  
Local clock offset: -0.106 ms  
Remote clock offset: -0.998 ms

# Below is generated by plot.py at 2018-07-06 05:56:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 702.67 Mbit/s  
95th percentile per-packet one-way delay: 148.467 ms  
Loss rate: 4.27%  
-- Flow 1:  
Average throughput: 702.67 Mbit/s  
95th percentile per-packet one-way delay: 148.467 ms  
Loss rate: 4.27%

Run 2: Report of FillP — Data Link



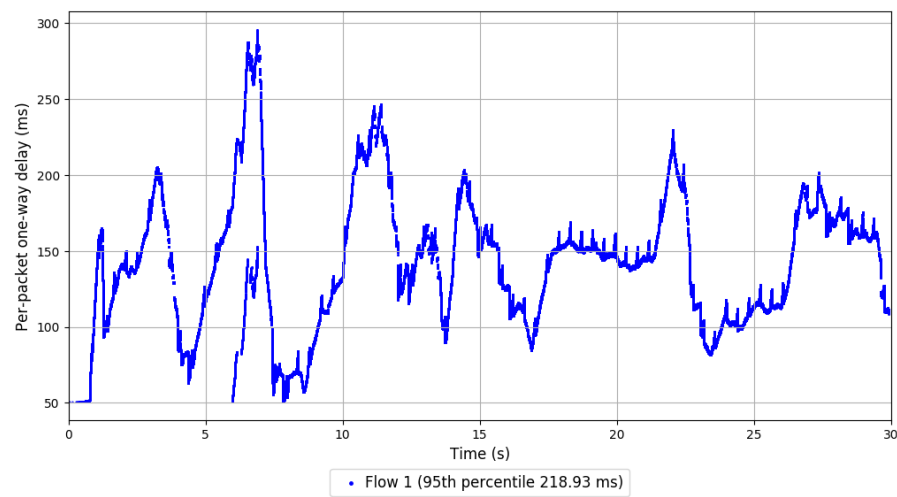
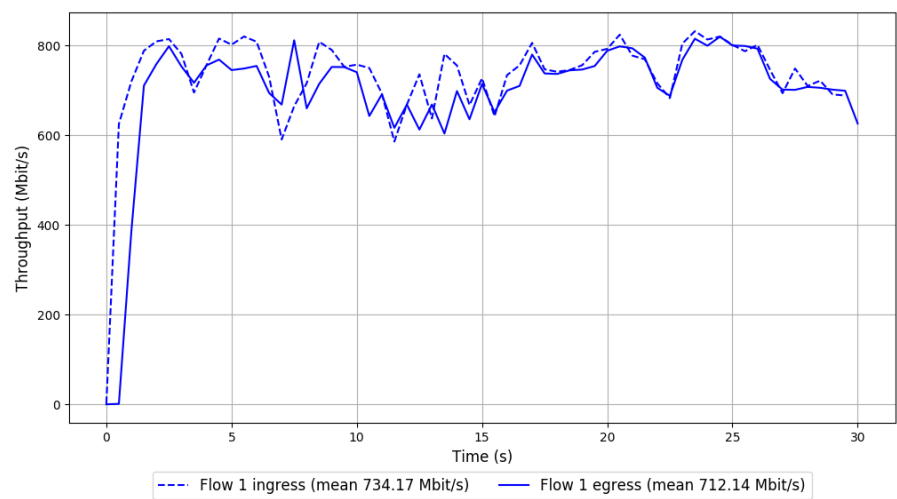
Run 3: Statistics of FillP

Start at: 2018-07-06 02:31:07  
End at: 2018-07-06 02:31:37  
Local clock offset: -0.057 ms  
Remote clock offset: -0.261 ms

# Below is generated by plot.py at 2018-07-06 05:57:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 712.14 Mbit/s  
95th percentile per-packet one-way delay: 218.930 ms  
Loss rate: 3.34%  
-- Flow 1:  
Average throughput: 712.14 Mbit/s  
95th percentile per-packet one-way delay: 218.930 ms  
Loss rate: 3.34%



Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-06 02:53:08

End at: 2018-07-06 02:53:38

Local clock offset: -0.091 ms

Remote clock offset: 0.236 ms

# Below is generated by plot.py at 2018-07-06 05:57:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 705.56 Mbit/s

95th percentile per-packet one-way delay: 169.646 ms

Loss rate: 3.74%

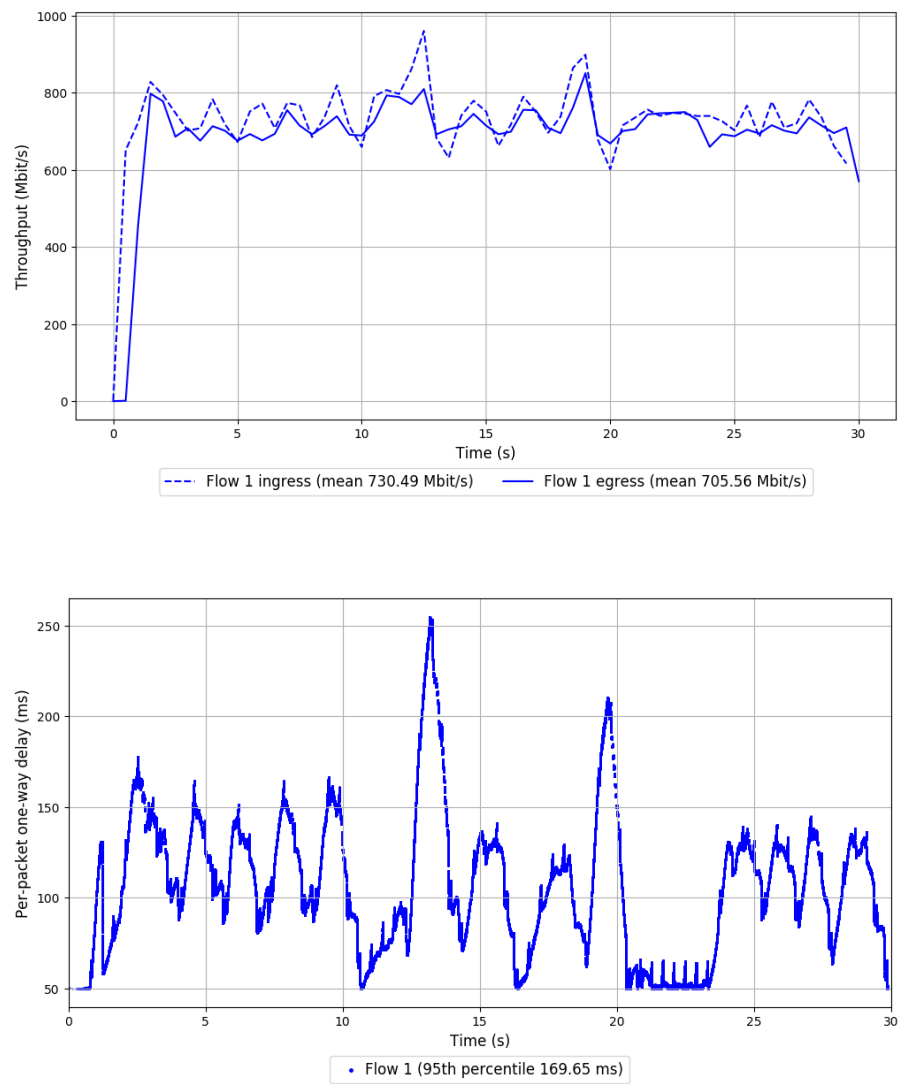
-- Flow 1:

Average throughput: 705.56 Mbit/s

95th percentile per-packet one-way delay: 169.646 ms

Loss rate: 3.74%

Run 4: Report of FillP — Data Link

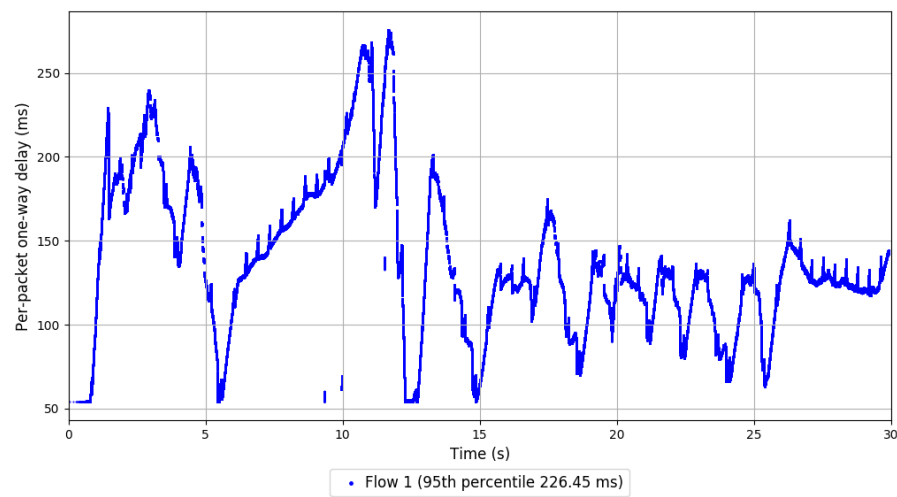
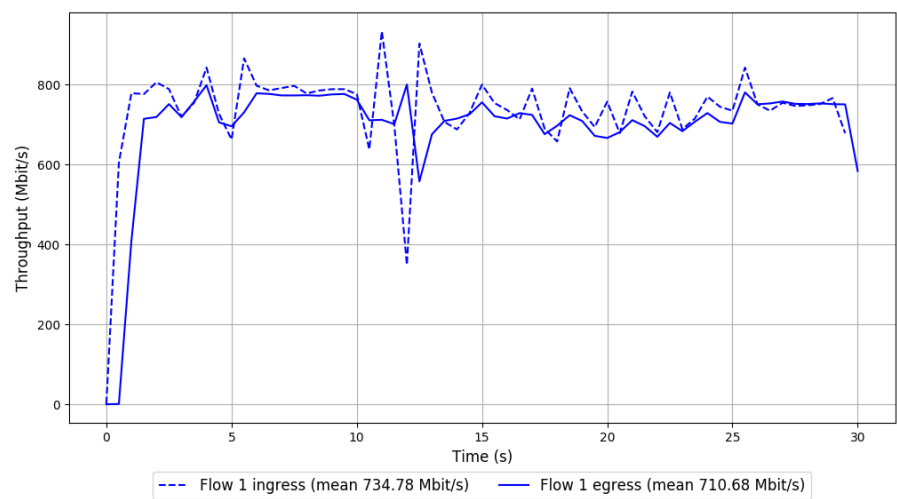


Run 5: Statistics of FillP

Start at: 2018-07-06 03:14:57  
End at: 2018-07-06 03:15:27  
Local clock offset: 0.017 ms  
Remote clock offset: -0.293 ms

# Below is generated by plot.py at 2018-07-06 05:57:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 710.68 Mbit/s  
95th percentile per-packet one-way delay: 226.454 ms  
Loss rate: 3.62%  
-- Flow 1:  
Average throughput: 710.68 Mbit/s  
95th percentile per-packet one-way delay: 226.454 ms  
Loss rate: 3.62%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-06 03:36:27

End at: 2018-07-06 03:36:57

Local clock offset: 0.041 ms

Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2018-07-06 05:57:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 683.13 Mbit/s

95th percentile per-packet one-way delay: 197.023 ms

Loss rate: 0.66%

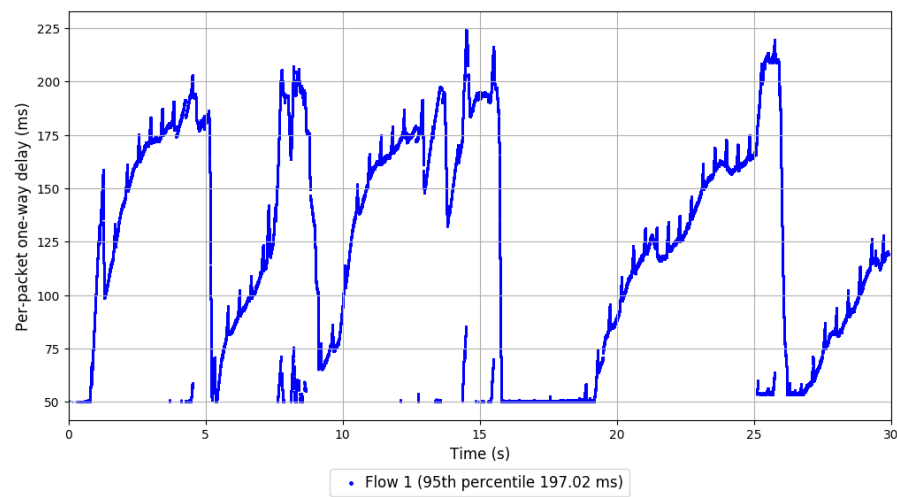
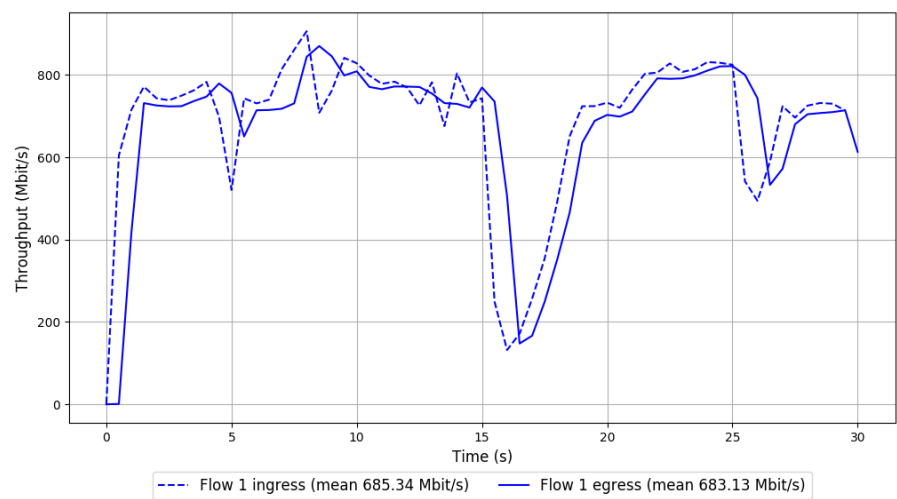
-- Flow 1:

Average throughput: 683.13 Mbit/s

95th percentile per-packet one-way delay: 197.023 ms

Loss rate: 0.66%

Run 6: Report of FillP — Data Link



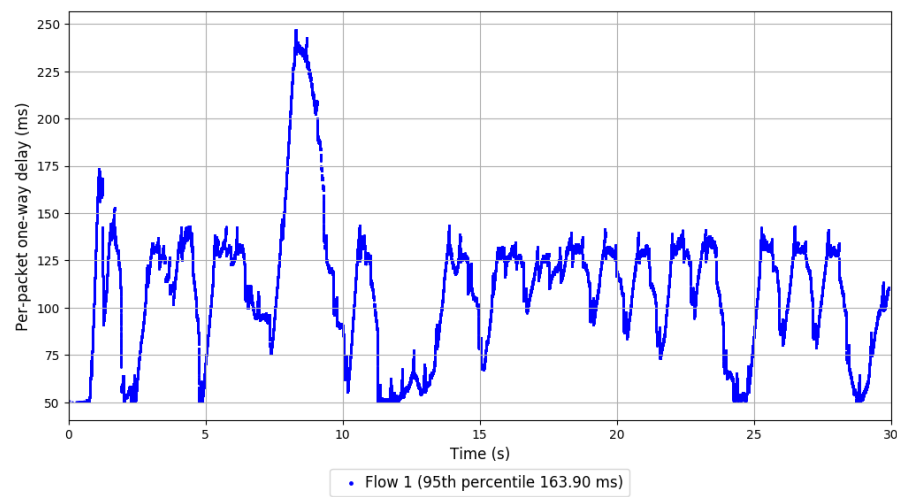
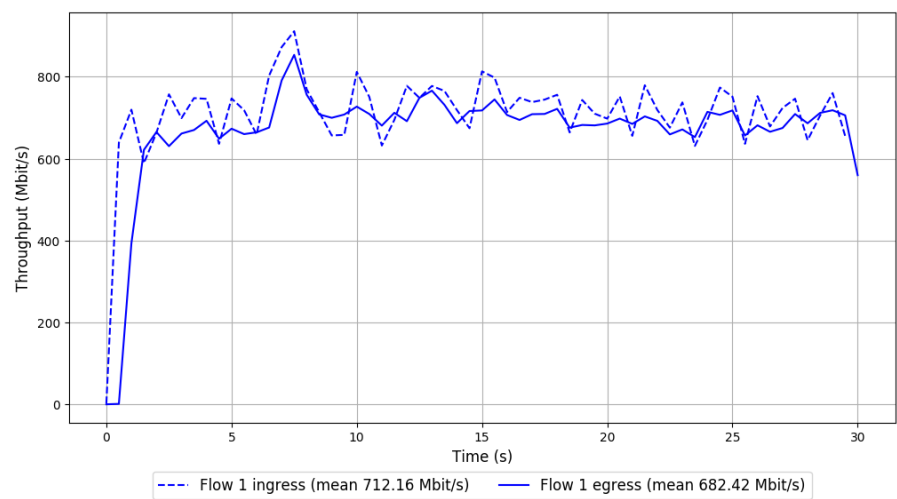
Run 7: Statistics of FillP

Start at: 2018-07-06 03:58:20  
End at: 2018-07-06 03:58:50  
Local clock offset: 0.046 ms  
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2018-07-06 05:58:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 682.42 Mbit/s  
95th percentile per-packet one-way delay: 163.899 ms  
Loss rate: 4.50%  
-- Flow 1:  
Average throughput: 682.42 Mbit/s  
95th percentile per-packet one-way delay: 163.899 ms  
Loss rate: 4.50%



Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-06 04:20:14

End at: 2018-07-06 04:20:44

Local clock offset: 0.016 ms

Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2018-07-06 05:59:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 723.52 Mbit/s

95th percentile per-packet one-way delay: 245.264 ms

Loss rate: 2.09%

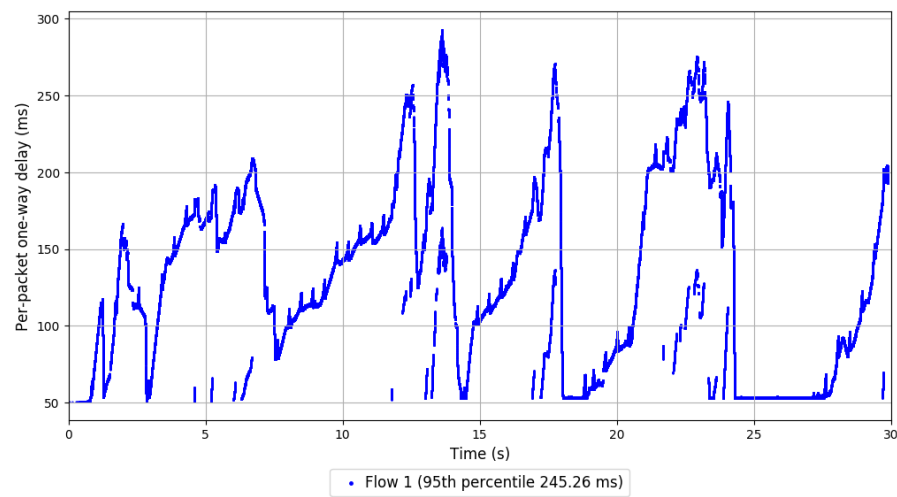
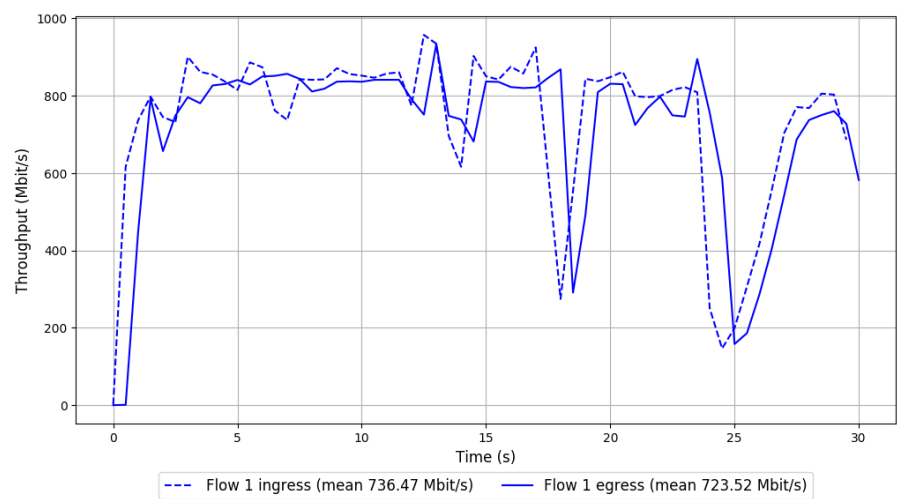
-- Flow 1:

Average throughput: 723.52 Mbit/s

95th percentile per-packet one-way delay: 245.264 ms

Loss rate: 2.09%

Run 8: Report of FillP — Data Link

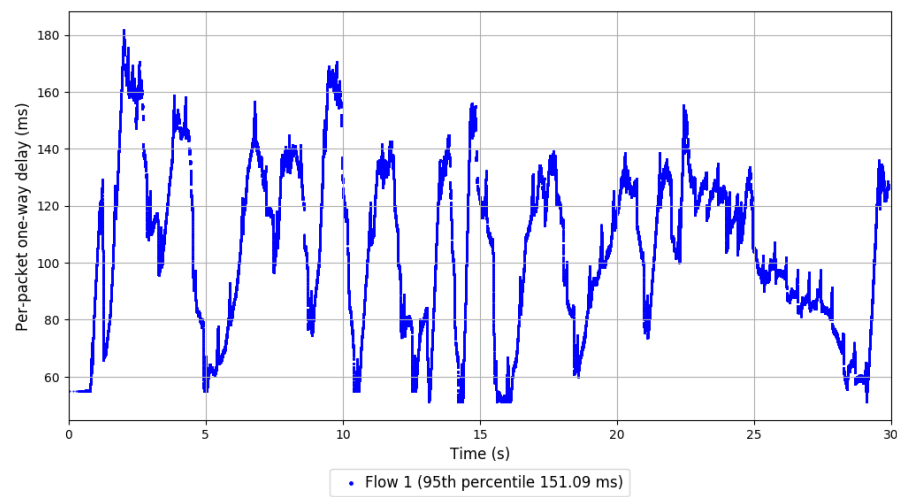
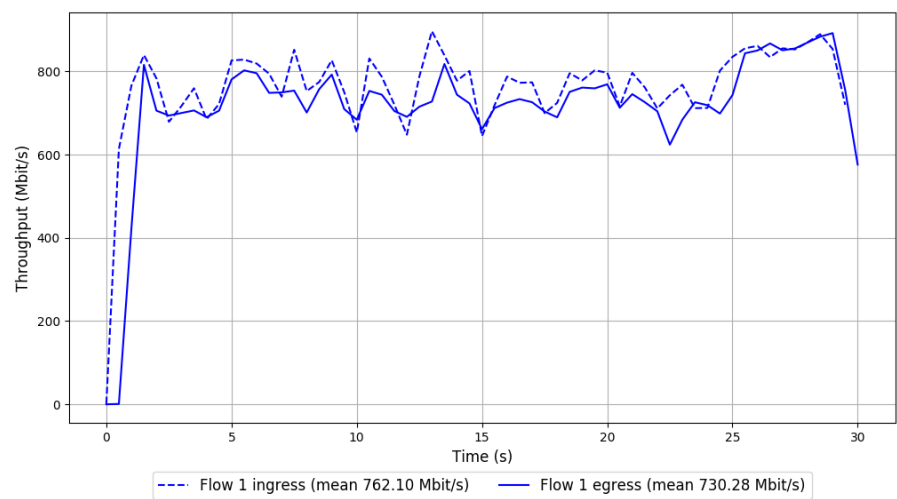


Run 9: Statistics of FillP

Start at: 2018-07-06 04:41:53  
End at: 2018-07-06 04:42:23  
Local clock offset: -0.189 ms  
Remote clock offset: -1.401 ms

# Below is generated by plot.py at 2018-07-06 06:11:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 730.28 Mbit/s  
95th percentile per-packet one-way delay: 151.089 ms  
Loss rate: 4.51%  
-- Flow 1:  
Average throughput: 730.28 Mbit/s  
95th percentile per-packet one-way delay: 151.089 ms  
Loss rate: 4.51%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-06 05:03:46

End at: 2018-07-06 05:04:16

Local clock offset: 0.127 ms

Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-07-06 06:13:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 807.36 Mbit/s

95th percentile per-packet one-way delay: 236.407 ms

Loss rate: 3.59%

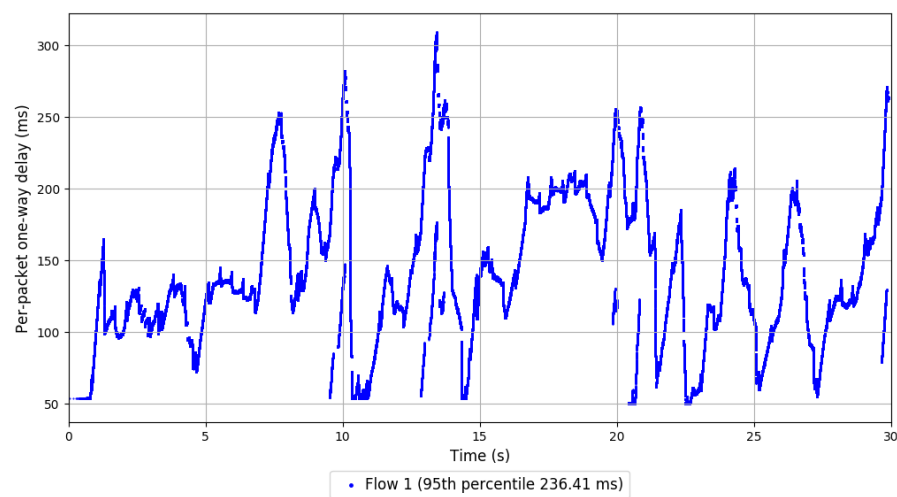
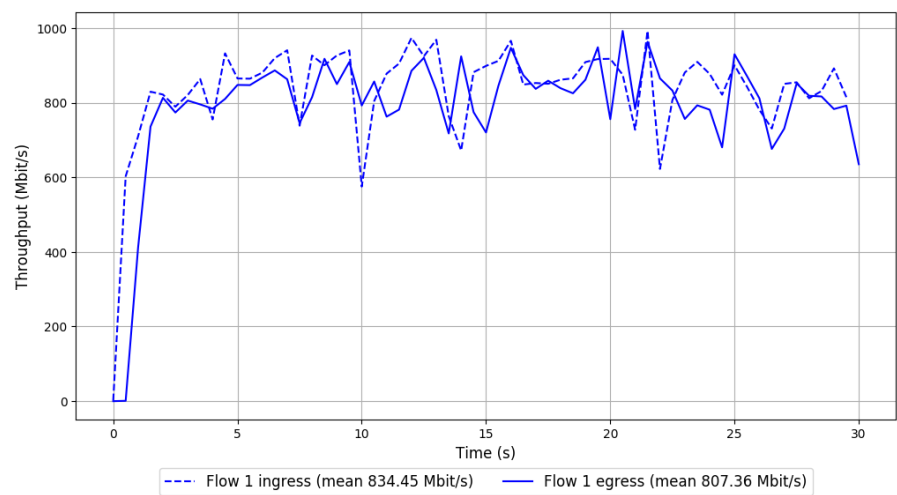
-- Flow 1:

Average throughput: 807.36 Mbit/s

95th percentile per-packet one-way delay: 236.407 ms

Loss rate: 3.59%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-06 01:39:42

End at: 2018-07-06 01:40:12

Local clock offset: -0.05 ms

Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-07-06 06:13:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 658.40 Mbit/s

95th percentile per-packet one-way delay: 149.353 ms

Loss rate: 7.42%

-- Flow 1:

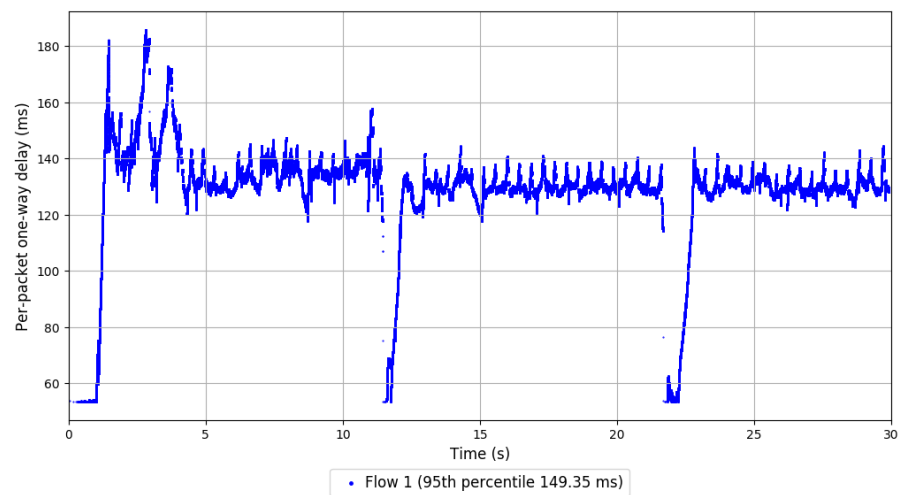
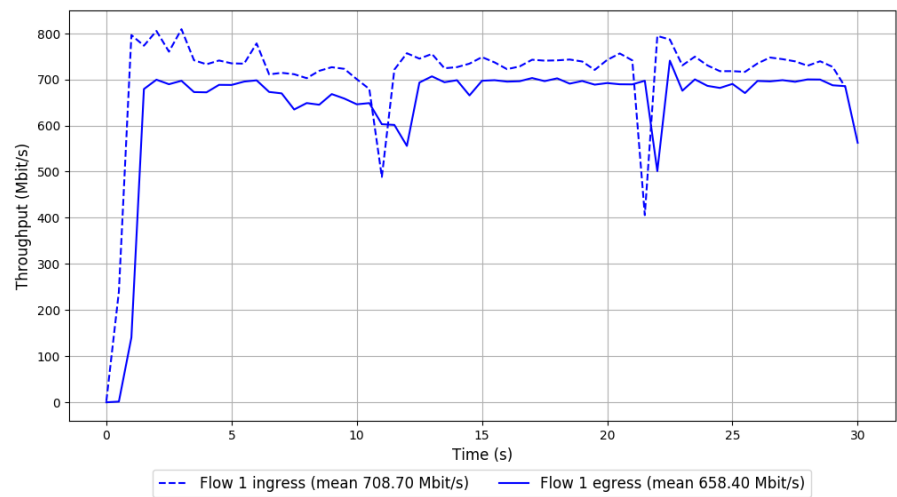
Average throughput: 658.40 Mbit/s

95th percentile per-packet one-way delay: 149.353 ms

Loss rate: 7.42%



Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-06 02:01:49

End at: 2018-07-06 02:02:19

Local clock offset: -0.02 ms

Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-07-06 06:13:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 286.61 Mbit/s

95th percentile per-packet one-way delay: 283.449 ms

Loss rate: 5.89%

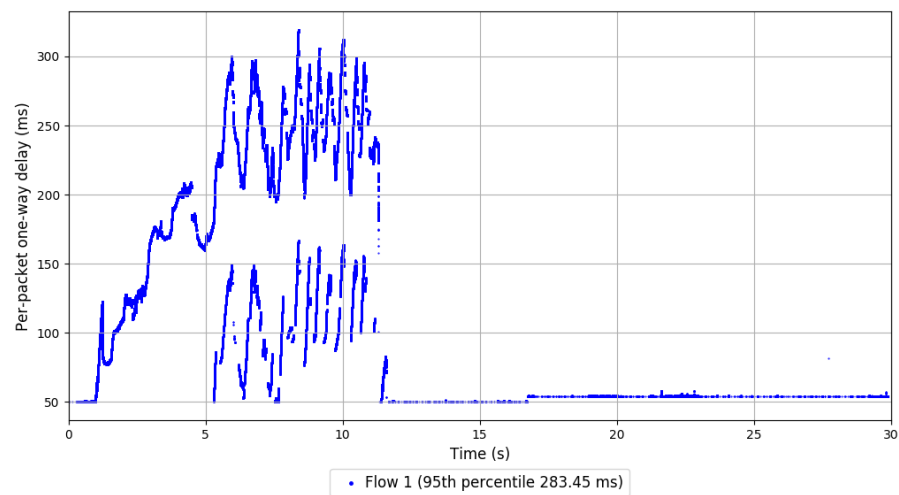
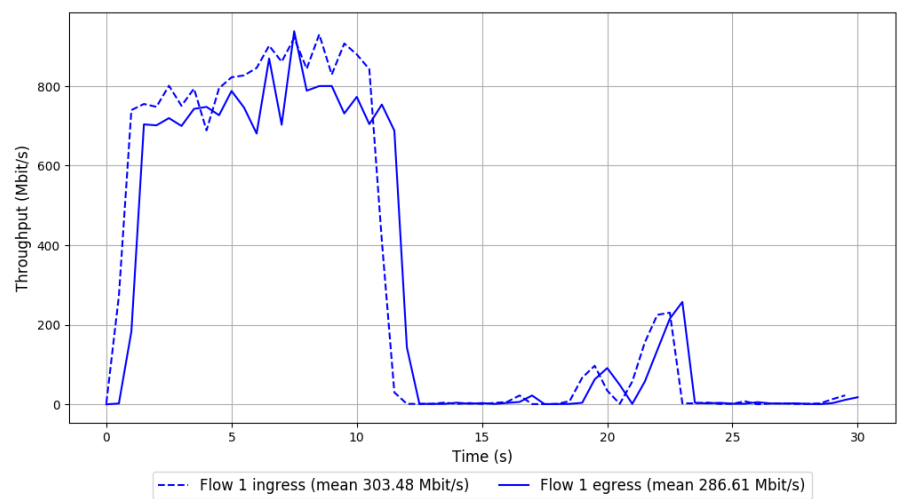
-- Flow 1:

Average throughput: 286.61 Mbit/s

95th percentile per-packet one-way delay: 283.449 ms

Loss rate: 5.89%

Run 2: Report of FillP-Sheep — Data Link

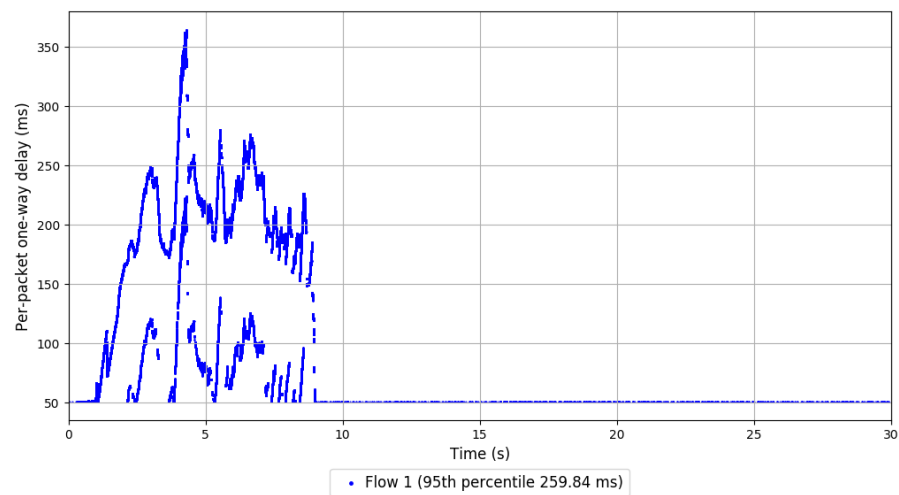
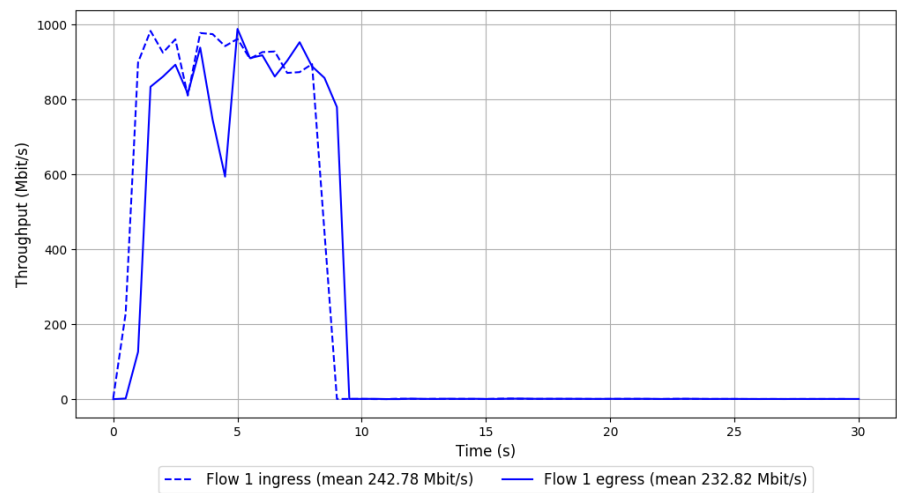


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-06 02:23:40  
End at: 2018-07-06 02:24:10  
Local clock offset: 0.001 ms  
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2018-07-06 06:13:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 232.82 Mbit/s  
95th percentile per-packet one-way delay: 259.843 ms  
Loss rate: 4.43%  
-- Flow 1:  
Average throughput: 232.82 Mbit/s  
95th percentile per-packet one-way delay: 259.843 ms  
Loss rate: 4.43%

Run 3: Report of FillP-Sheep — Data Link

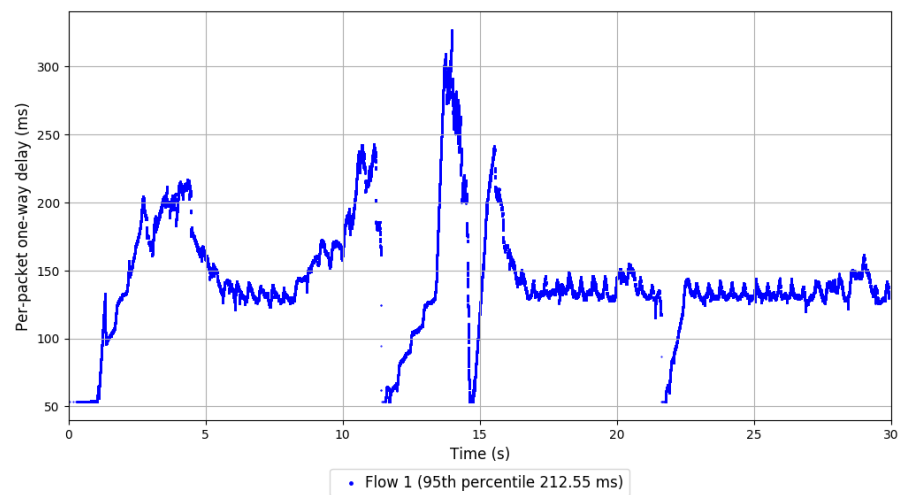
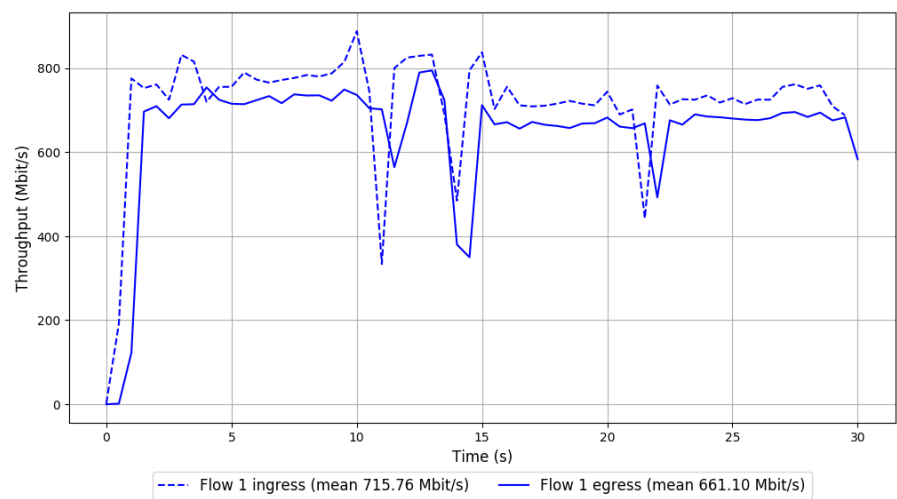


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-06 02:45:17  
End at: 2018-07-06 02:45:47  
Local clock offset: -0.184 ms  
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-07-06 06:13:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 661.10 Mbit/s  
95th percentile per-packet one-way delay: 212.547 ms  
Loss rate: 7.96%  
-- Flow 1:  
Average throughput: 661.10 Mbit/s  
95th percentile per-packet one-way delay: 212.547 ms  
Loss rate: 7.96%

Run 4: Report of FillP-Sheep — Data Link



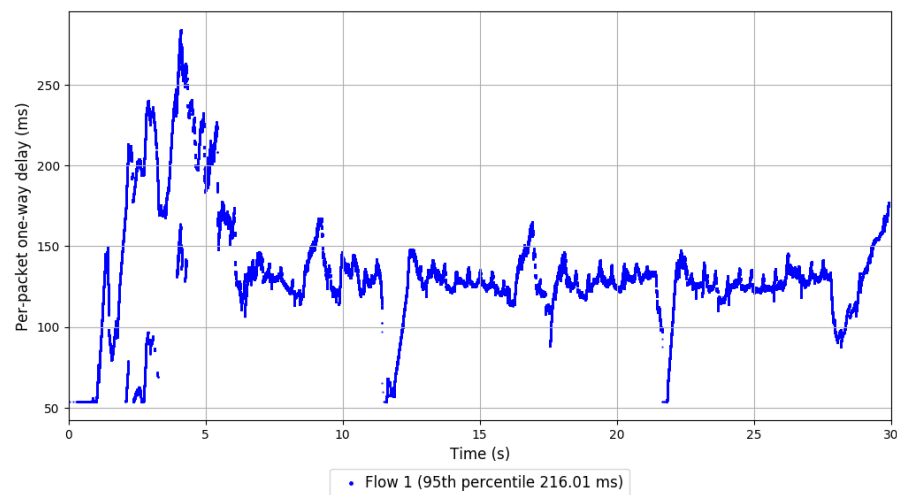
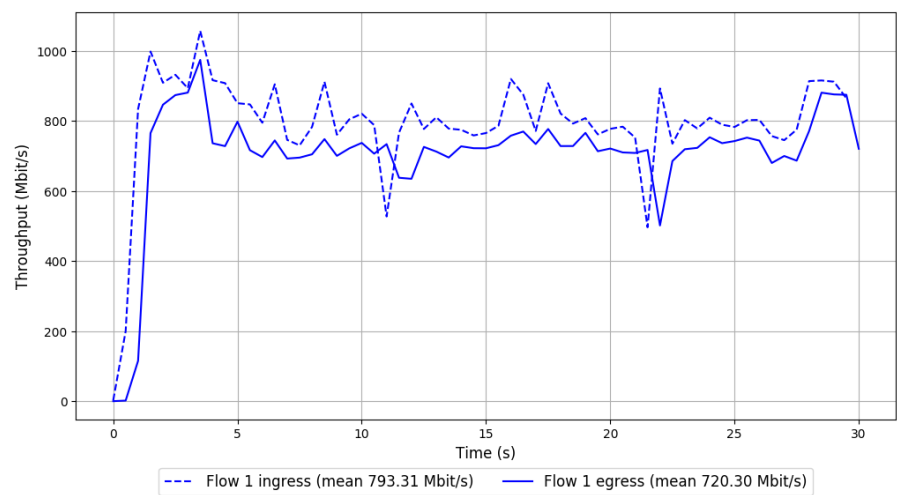
Run 5: Statistics of FillP-Sheep

Start at: 2018-07-06 03:07:21  
End at: 2018-07-06 03:07:51  
Local clock offset: -0.052 ms  
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-07-06 06:13:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 720.30 Mbit/s  
95th percentile per-packet one-way delay: 216.006 ms  
Loss rate: 9.52%  
-- Flow 1:  
Average throughput: 720.30 Mbit/s  
95th percentile per-packet one-way delay: 216.006 ms  
Loss rate: 9.52%



Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-06 03:28:52

End at: 2018-07-06 03:29:22

Local clock offset: 0.009 ms

Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-07-06 06:13:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 565.10 Mbit/s

95th percentile per-packet one-way delay: 273.030 ms

Loss rate: 4.05%

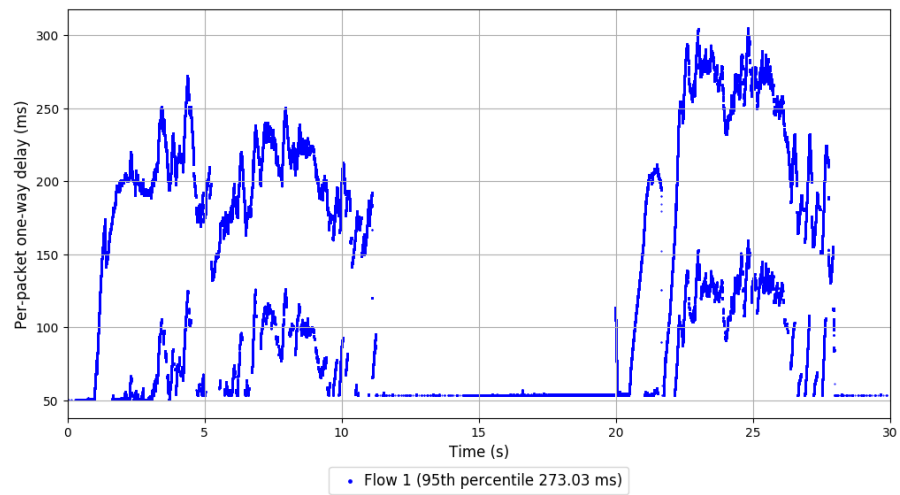
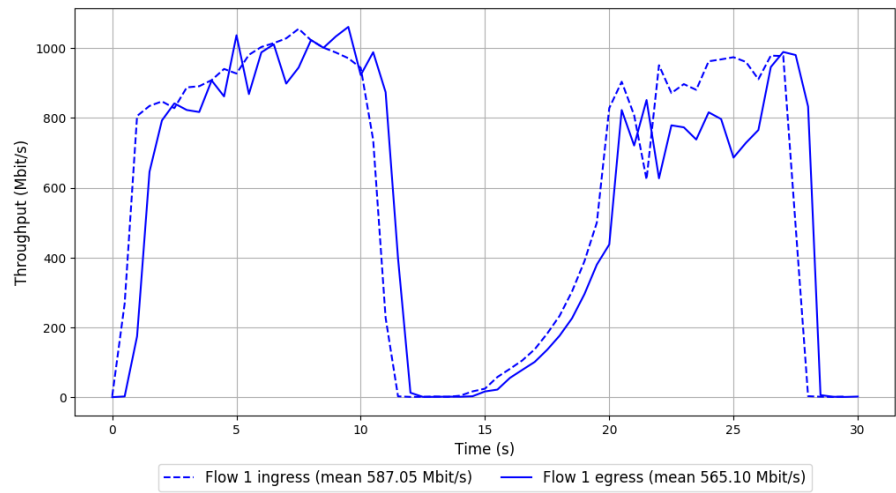
-- Flow 1:

Average throughput: 565.10 Mbit/s

95th percentile per-packet one-way delay: 273.030 ms

Loss rate: 4.05%

## Run 6: Report of FillP-Sheep — Data Link

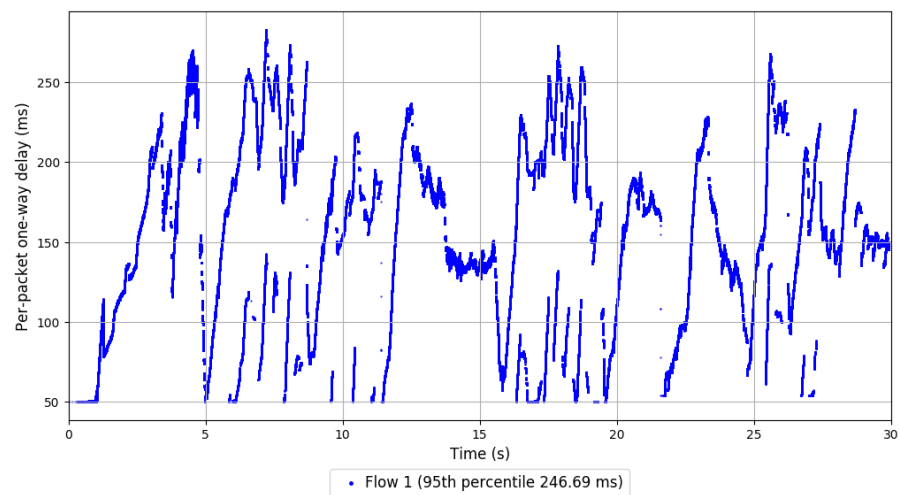
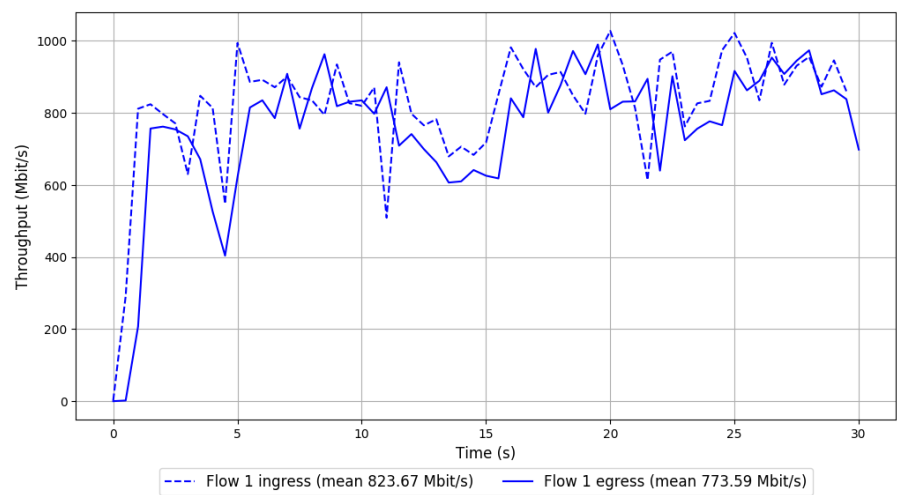


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-06 03:50:36  
End at: 2018-07-06 03:51:06  
Local clock offset: -0.211 ms  
Remote clock offset: -0.479 ms

# Below is generated by plot.py at 2018-07-06 06:19:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 773.59 Mbit/s  
95th percentile per-packet one-way delay: 246.687 ms  
Loss rate: 6.40%  
-- Flow 1:  
Average throughput: 773.59 Mbit/s  
95th percentile per-packet one-way delay: 246.687 ms  
Loss rate: 6.40%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-06 04:12:22

End at: 2018-07-06 04:12:52

Local clock offset: 0.056 ms

Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-07-06 06:19:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 707.61 Mbit/s

95th percentile per-packet one-way delay: 202.848 ms

Loss rate: 8.65%

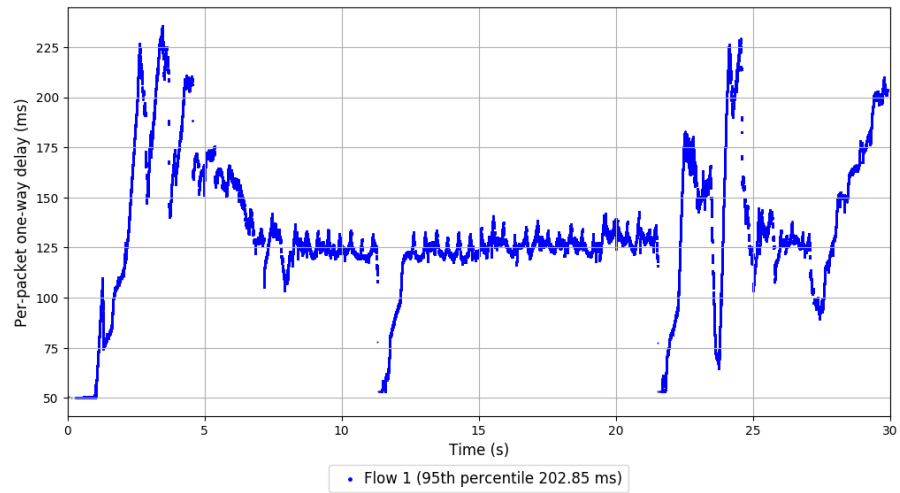
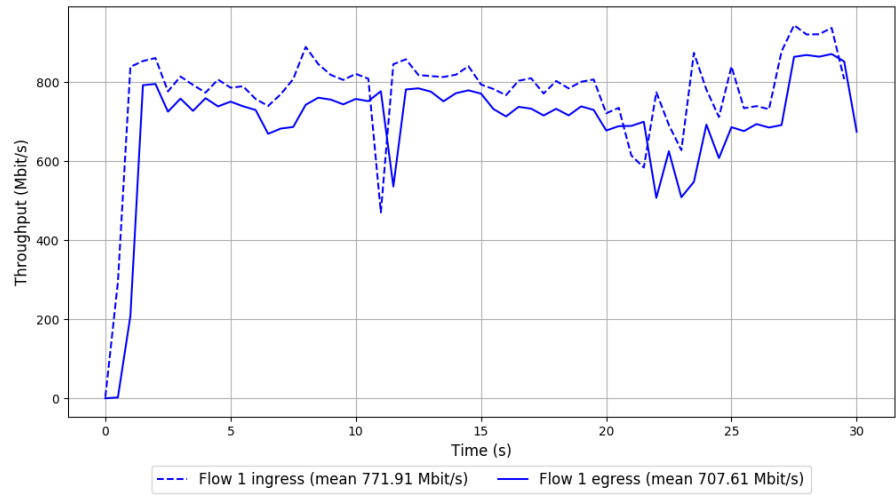
-- Flow 1:

Average throughput: 707.61 Mbit/s

95th percentile per-packet one-way delay: 202.848 ms

Loss rate: 8.65%

# Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-06 04:34:14

End at: 2018-07-06 04:34:44

Local clock offset: 0.013 ms

Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-07-06 06:23:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 511.35 Mbit/s

95th percentile per-packet one-way delay: 254.425 ms

Loss rate: 6.96%

-- Flow 1:

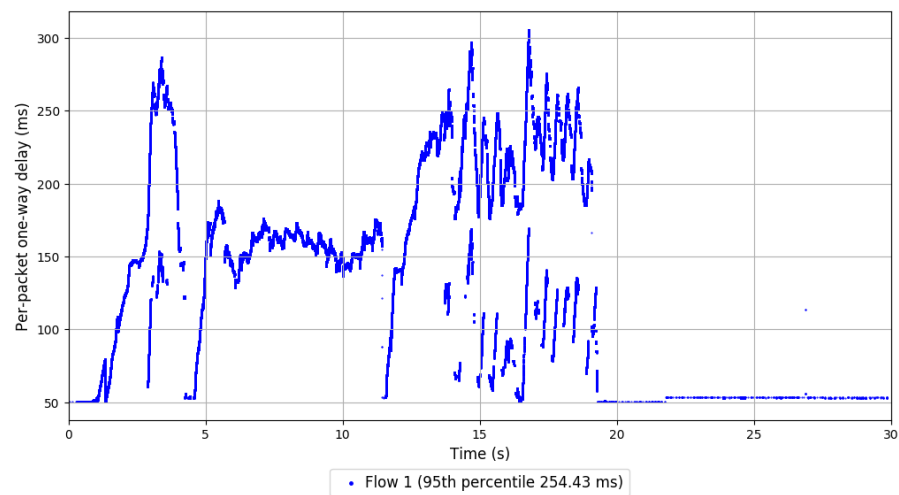
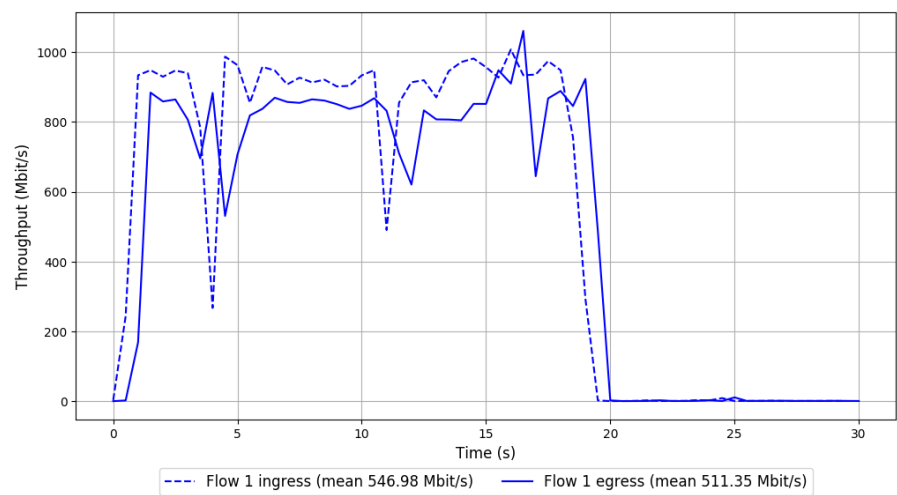
Average throughput: 511.35 Mbit/s

95th percentile per-packet one-way delay: 254.425 ms

Loss rate: 6.96%



Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-06 04:56:04

End at: 2018-07-06 04:56:34

Local clock offset: 0.009 ms

Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-07-06 06:23:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 204.86 Mbit/s

95th percentile per-packet one-way delay: 271.966 ms

Loss rate: 6.59%

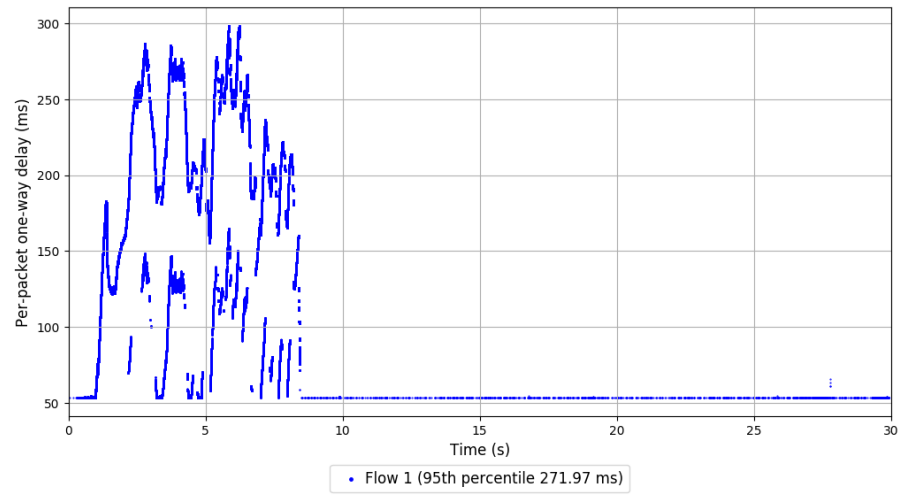
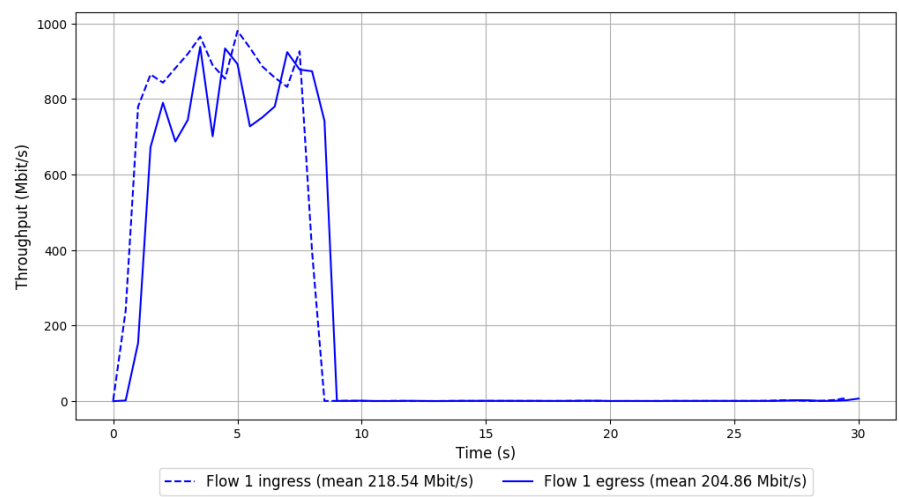
-- Flow 1:

Average throughput: 204.86 Mbit/s

95th percentile per-packet one-way delay: 271.966 ms

Loss rate: 6.59%

Run 10: Report of FillP-Sheep — Data Link

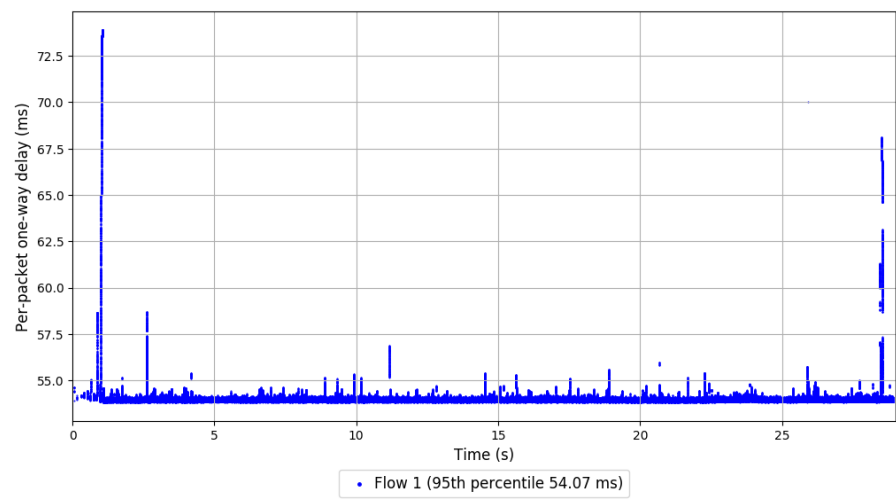
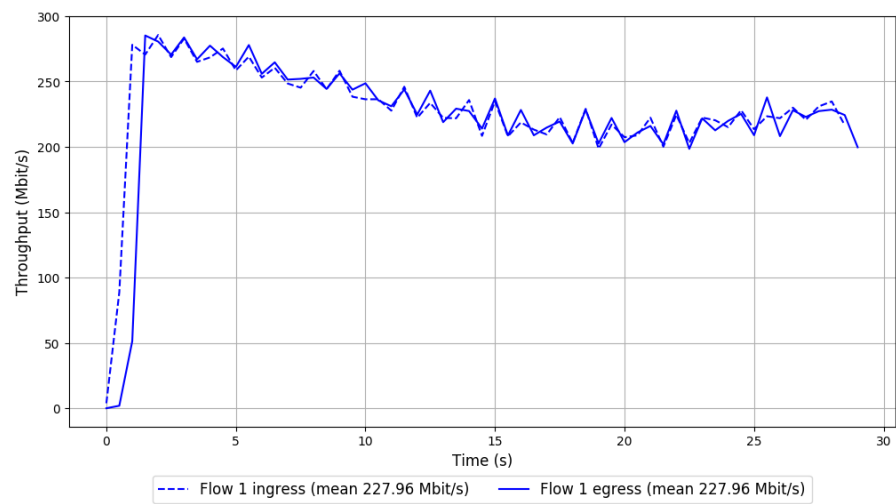


Run 1: Statistics of Indigo

Start at: 2018-07-06 01:51:29  
End at: 2018-07-06 01:51:59  
Local clock offset: 0.121 ms  
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-07-06 06:23:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 227.96 Mbit/s  
95th percentile per-packet one-way delay: 54.067 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 227.96 Mbit/s  
95th percentile per-packet one-way delay: 54.067 ms  
Loss rate: 0.38%

Run 1: Report of Indigo — Data Link

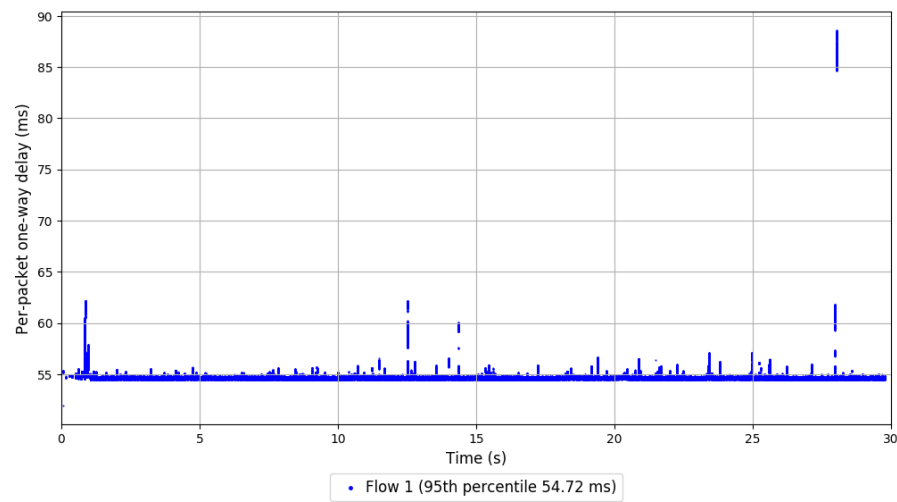
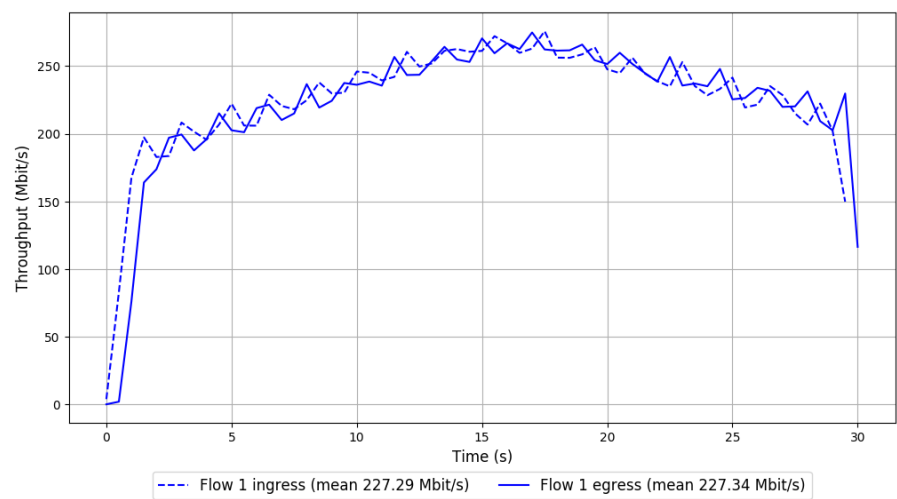


Run 2: Statistics of Indigo

Start at: 2018-07-06 02:13:21  
End at: 2018-07-06 02:13:51  
Local clock offset: 0.157 ms  
Remote clock offset: -1.377 ms

# Below is generated by plot.py at 2018-07-06 06:23:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 227.34 Mbit/s  
95th percentile per-packet one-way delay: 54.720 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 227.34 Mbit/s  
95th percentile per-packet one-way delay: 54.720 ms  
Loss rate: 0.32%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-06 02:34:54

End at: 2018-07-06 02:35:24

Local clock offset: -0.066 ms

Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2018-07-06 06:23:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 249.22 Mbit/s

95th percentile per-packet one-way delay: 53.813 ms

Loss rate: 0.32%

-- Flow 1:

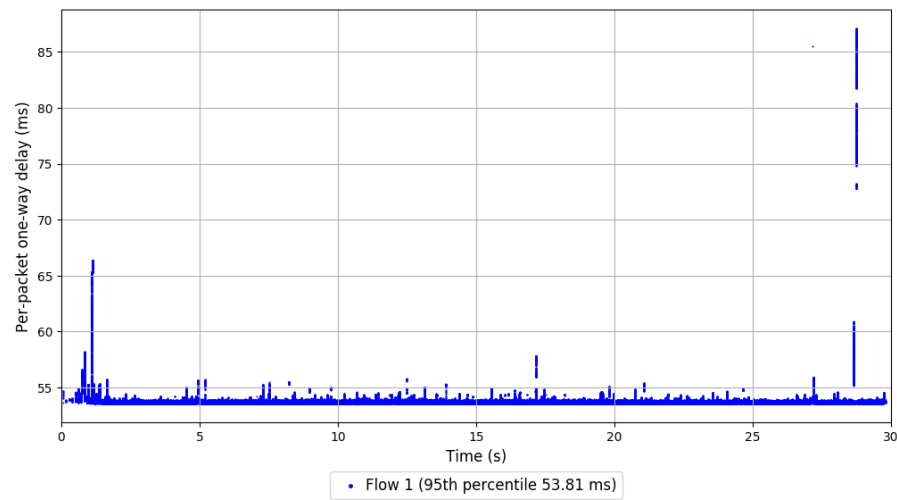
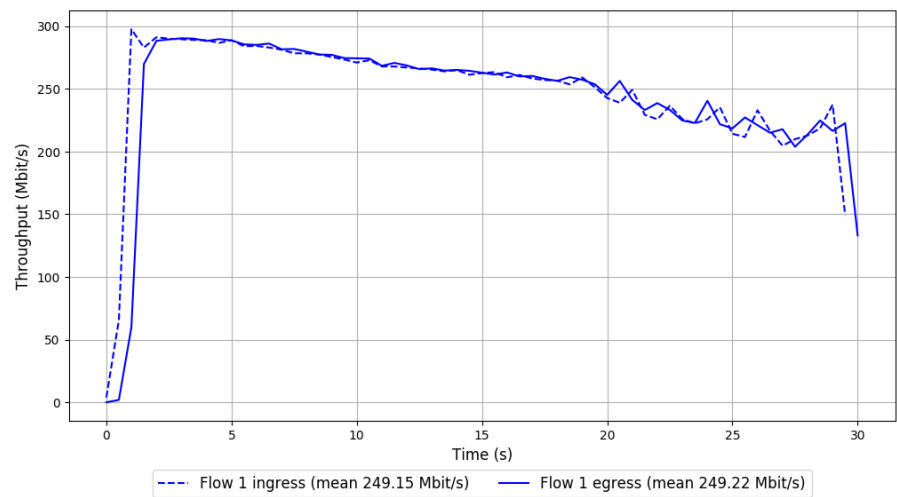
Average throughput: 249.22 Mbit/s

95th percentile per-packet one-way delay: 53.813 ms

Loss rate: 0.32%



Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-06 02:56:57

End at: 2018-07-06 02:57:27

Local clock offset: 0.054 ms

Remote clock offset: 0.306 ms

# Below is generated by plot.py at 2018-07-06 06:23:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 53.692 ms

Loss rate: 0.34%

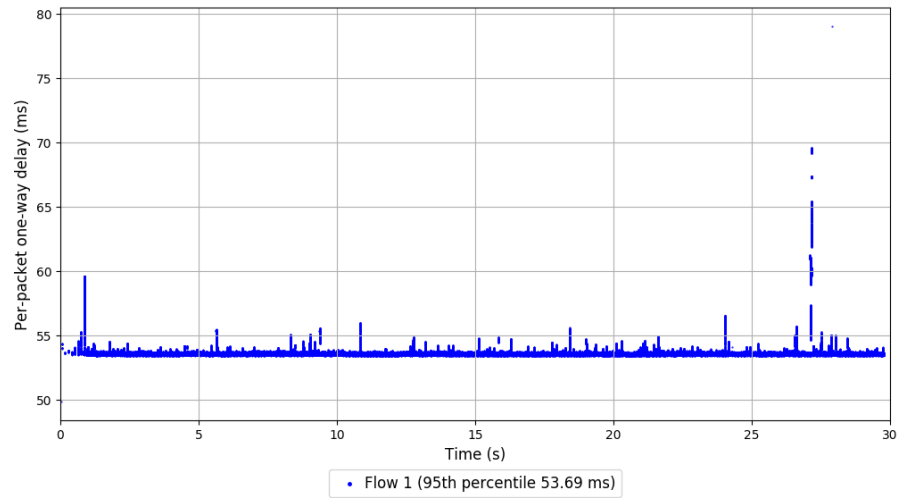
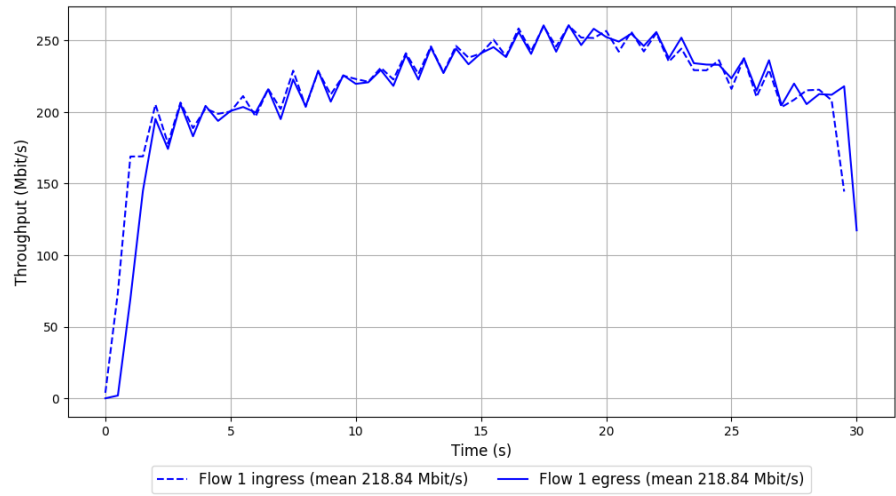
-- Flow 1:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 53.692 ms

Loss rate: 0.34%

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



Run 5: Statistics of Indigo

Start at: 2018-07-06 03:18:45

End at: 2018-07-06 03:19:15

Local clock offset: 0.004 ms

Remote clock offset: 0.093 ms

# Below is generated by plot.py at 2018-07-06 06:23:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 232.69 Mbit/s

95th percentile per-packet one-way delay: 53.639 ms

Loss rate: 0.39%

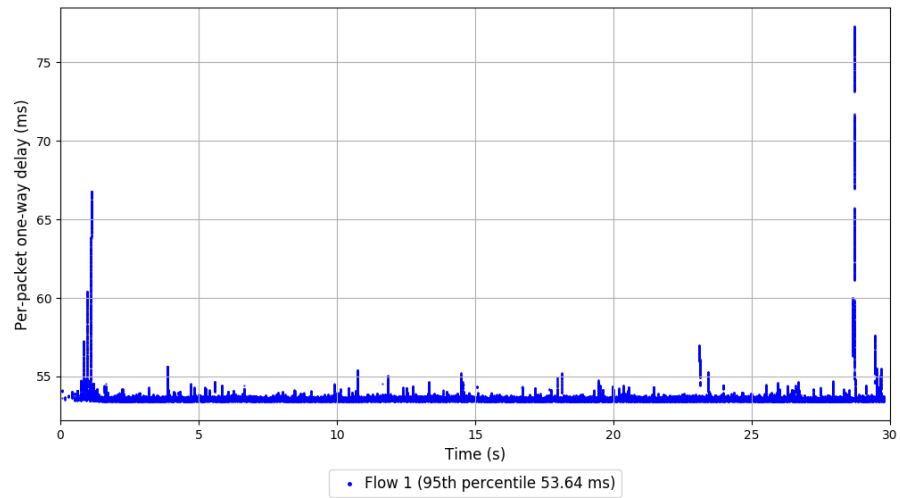
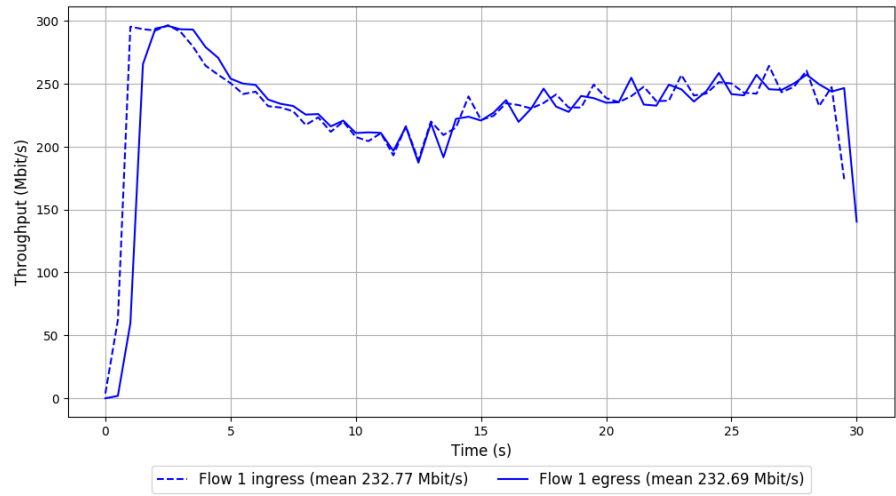
-- Flow 1:

Average throughput: 232.69 Mbit/s

95th percentile per-packet one-way delay: 53.639 ms

Loss rate: 0.39%

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

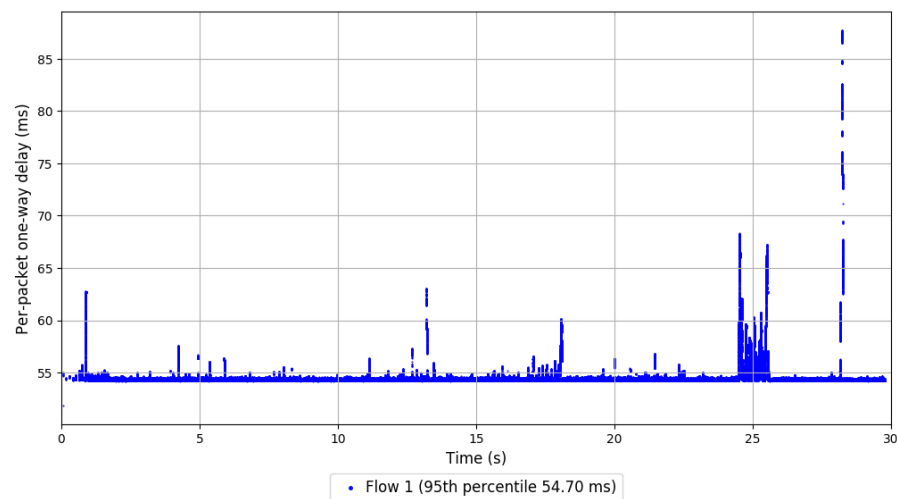
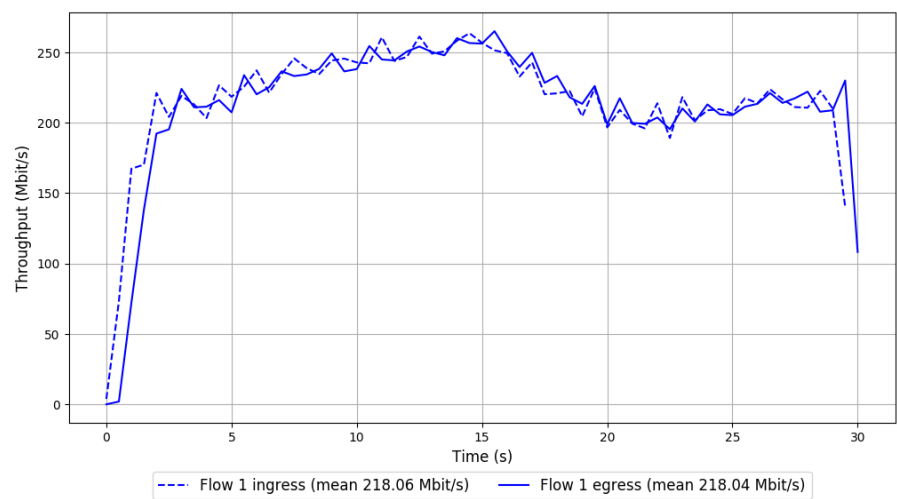


Run 6: Statistics of Indigo

Start at: 2018-07-06 03:40:14  
End at: 2018-07-06 03:40:44  
Local clock offset: -0.136 ms  
Remote clock offset: -1.242 ms

# Below is generated by plot.py at 2018-07-06 06:23:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 218.04 Mbit/s  
95th percentile per-packet one-way delay: 54.696 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 218.04 Mbit/s  
95th percentile per-packet one-way delay: 54.696 ms  
Loss rate: 0.35%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-06 04:02:07

End at: 2018-07-06 04:02:37

Local clock offset: -0.186 ms

Remote clock offset: 1.136 ms

# Below is generated by plot.py at 2018-07-06 06:23:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 233.14 Mbit/s

95th percentile per-packet one-way delay: 52.121 ms

Loss rate: 0.35%

-- Flow 1:

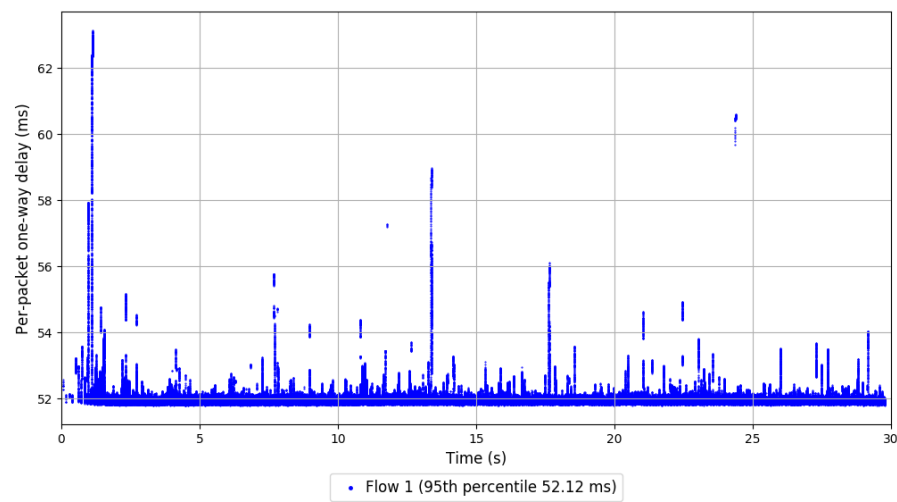
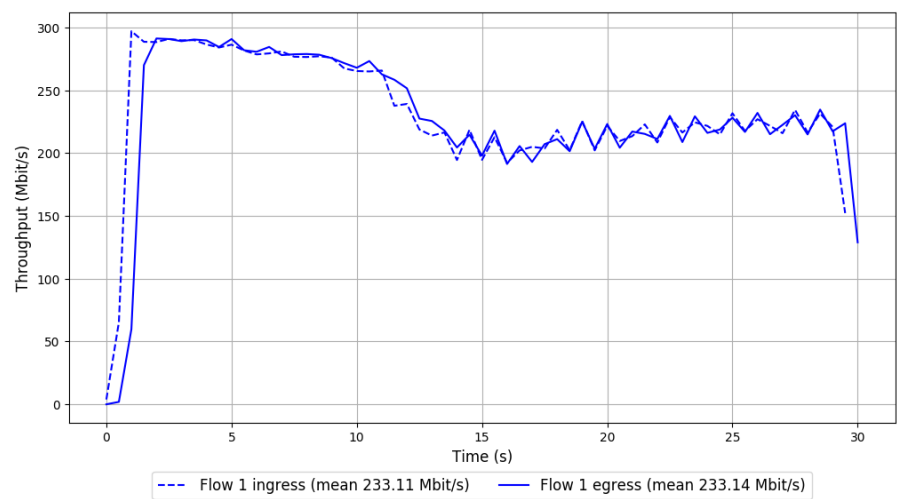
Average throughput: 233.14 Mbit/s

95th percentile per-packet one-way delay: 52.121 ms

Loss rate: 0.35%



Run 7: Report of Indigo — Data Link

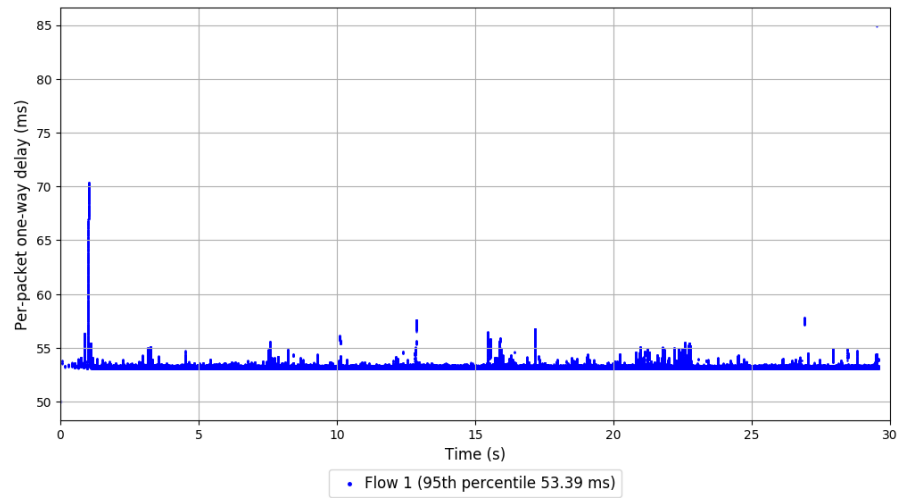
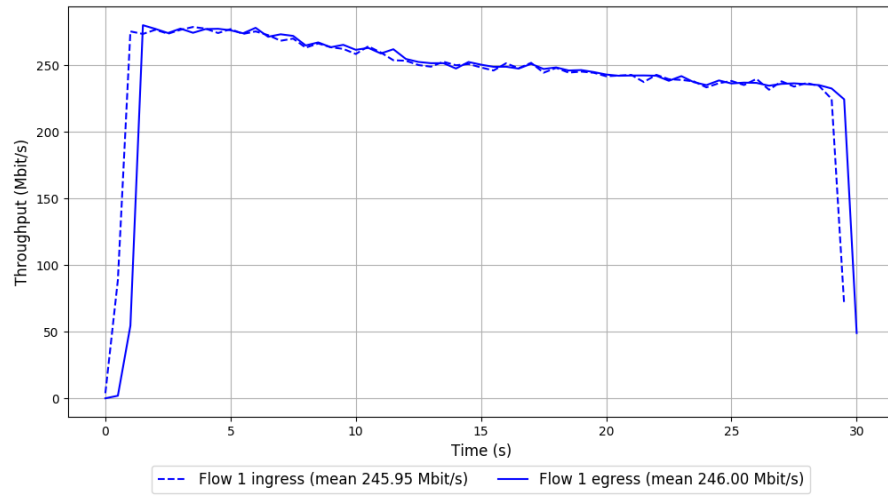


Run 8: Statistics of Indigo

Start at: 2018-07-06 04:24:03  
End at: 2018-07-06 04:24:33  
Local clock offset: -0.121 ms  
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-07-06 06:23:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 246.00 Mbit/s  
95th percentile per-packet one-way delay: 53.388 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 246.00 Mbit/s  
95th percentile per-packet one-way delay: 53.388 ms  
Loss rate: 0.33%

## Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-06 04:45:42

End at: 2018-07-06 04:46:12

Local clock offset: -0.186 ms

Remote clock offset: 0.123 ms

# Below is generated by plot.py at 2018-07-06 06:23:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 230.08 Mbit/s

95th percentile per-packet one-way delay: 53.719 ms

Loss rate: 0.36%

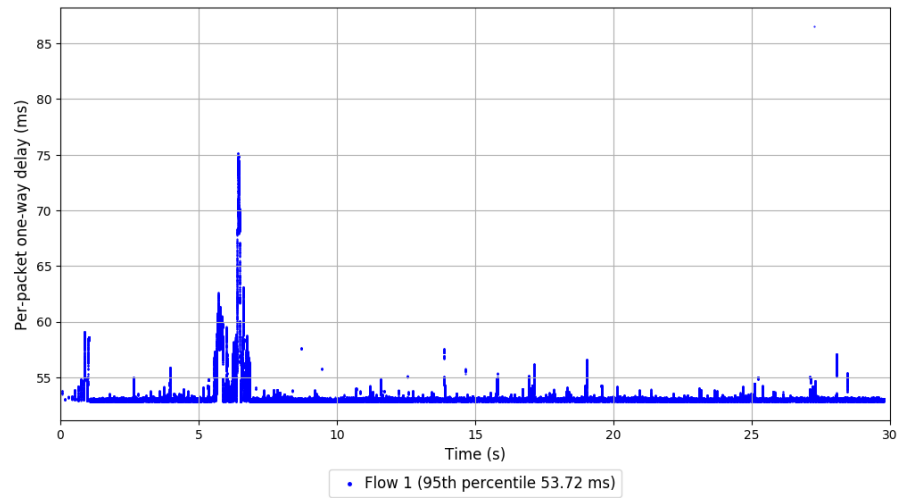
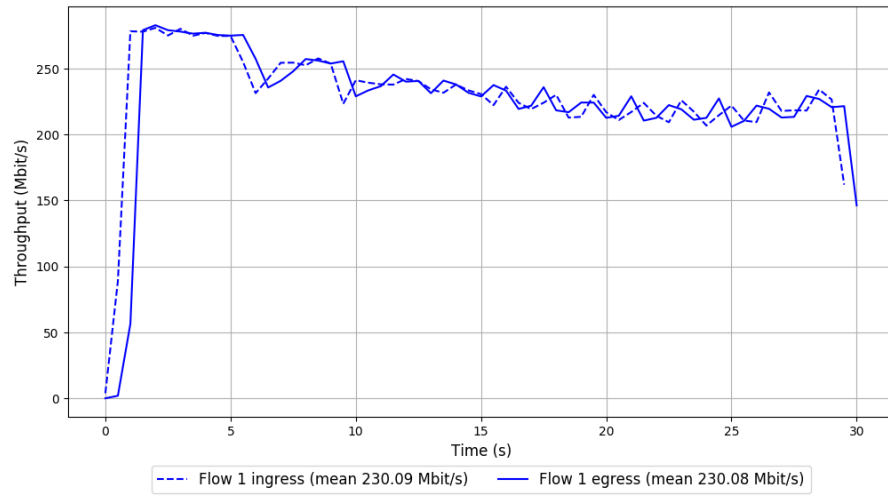
-- Flow 1:

Average throughput: 230.08 Mbit/s

95th percentile per-packet one-way delay: 53.719 ms

Loss rate: 0.36%

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



Run 10: Statistics of Indigo

Start at: 2018-07-06 05:07:38

End at: 2018-07-06 05:08:08

Local clock offset: -0.107 ms

Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-07-06 06:23:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 211.21 Mbit/s

95th percentile per-packet one-way delay: 53.401 ms

Loss rate: 0.39%

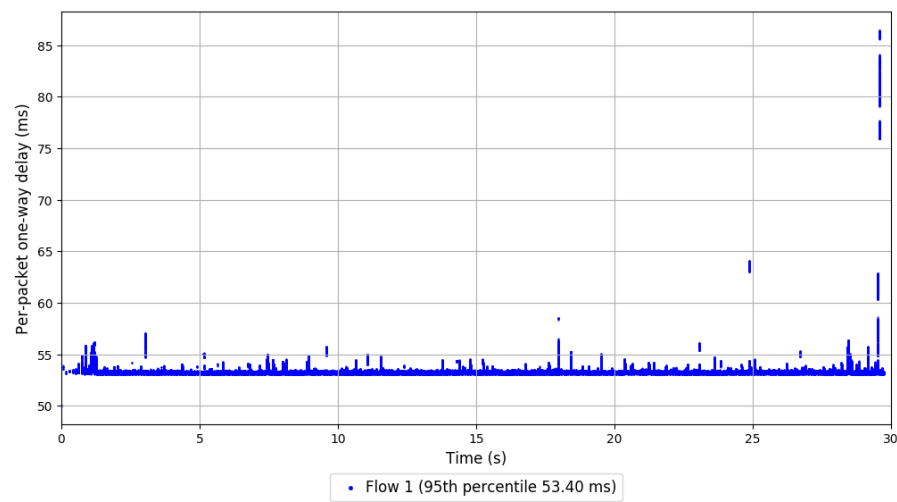
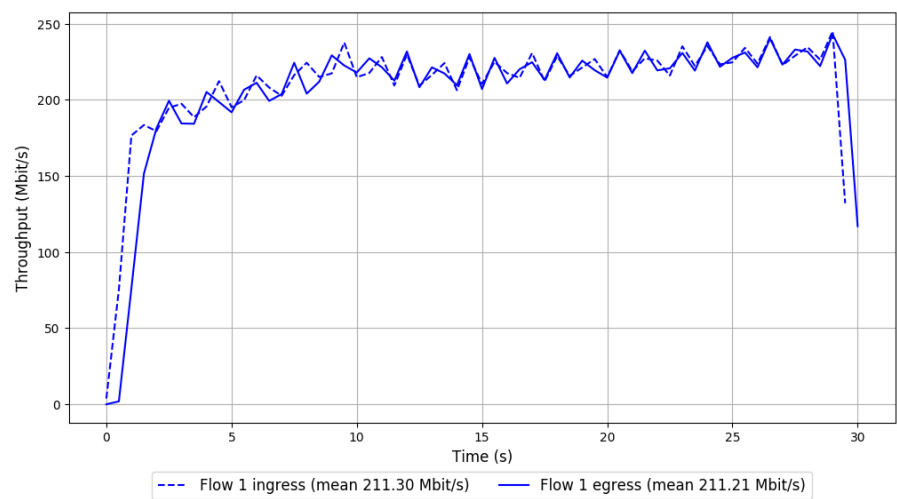
-- Flow 1:

Average throughput: 211.21 Mbit/s

95th percentile per-packet one-way delay: 53.401 ms

Loss rate: 0.39%

Run 10: Report of Indigo — Data Link



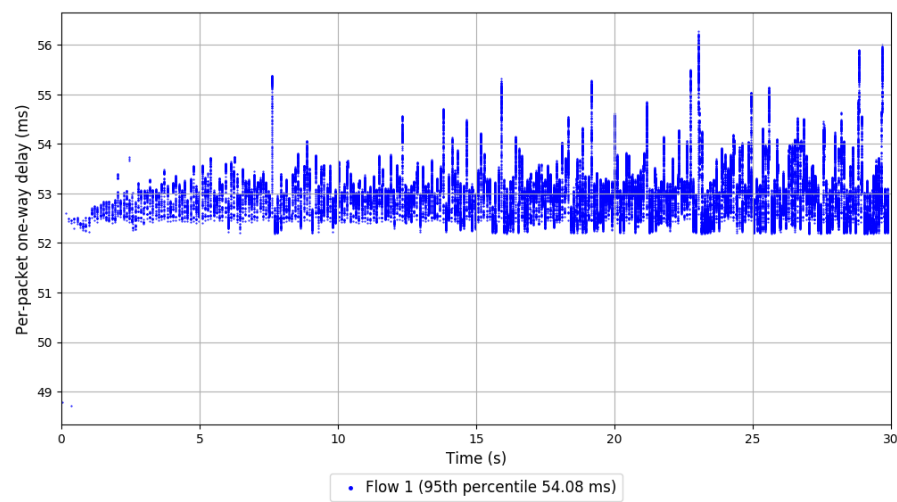
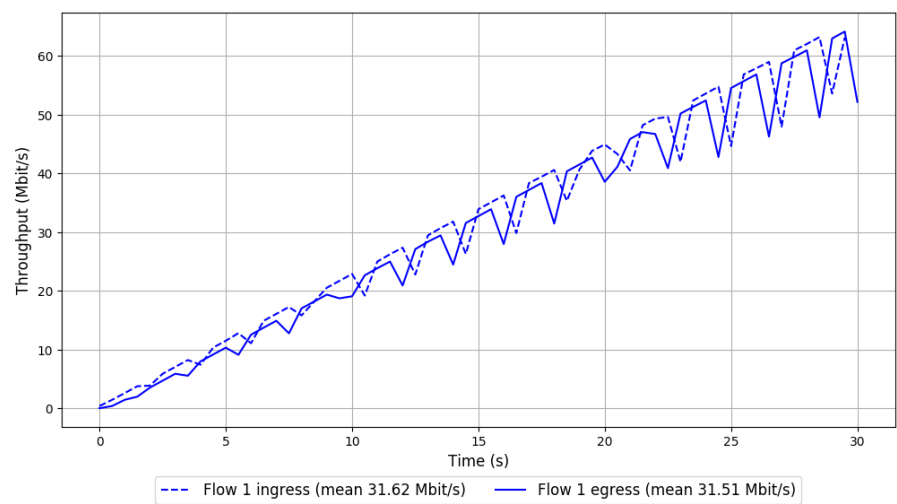
```
Run 1: Statistics of LEDBAT

Start at: 2018-07-06 01:42:30
End at: 2018-07-06 01:43:00
Local clock offset: -0.136 ms
Remote clock offset: 1.27 ms

# Below is generated by plot.py at 2018-07-06 06:23:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 54.080 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 54.080 ms
Loss rate: 0.70%
```



Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-06 02:04:30

End at: 2018-07-06 02:05:00

Local clock offset: -0.088 ms

Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2018-07-06 06:23:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 55.070 ms

Loss rate: 0.60%

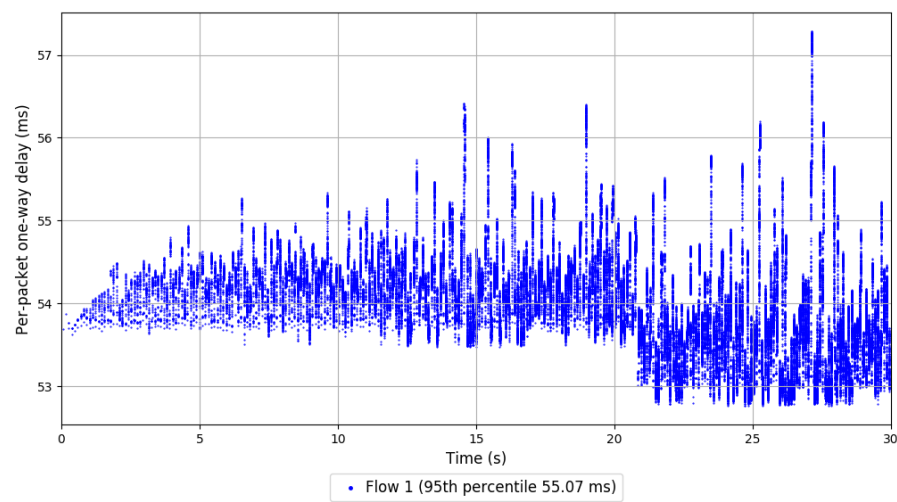
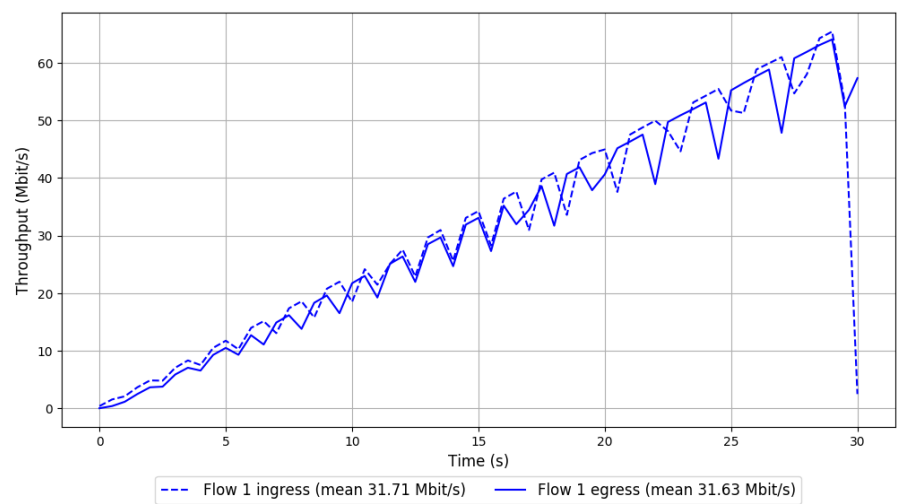
-- Flow 1:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 55.070 ms

Loss rate: 0.60%

Run 2: Report of LEDBAT — Data Link

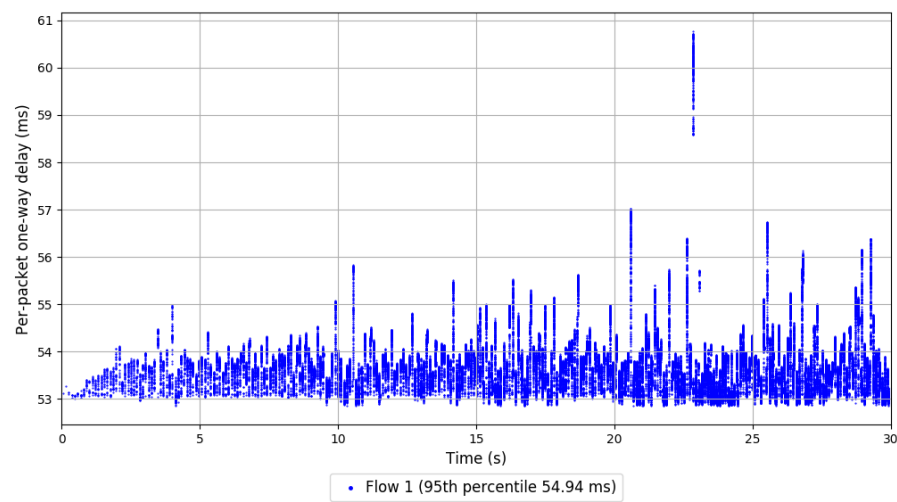
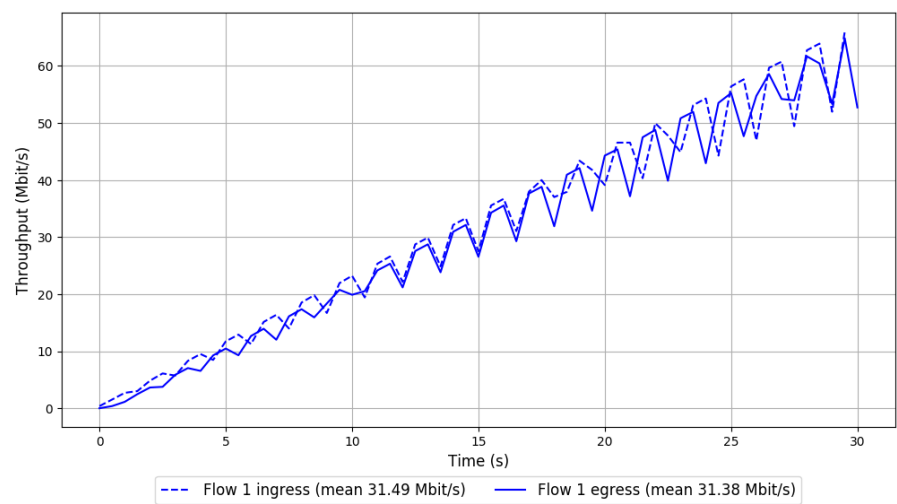


Run 3: Statistics of LEDBAT

Start at: 2018-07-06 02:26:14  
End at: 2018-07-06 02:26:44  
Local clock offset: -0.301 ms  
Remote clock offset: -0.181 ms

# Below is generated by plot.py at 2018-07-06 06:23:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 31.38 Mbit/s  
95th percentile per-packet one-way delay: 54.941 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 31.38 Mbit/s  
95th percentile per-packet one-way delay: 54.941 ms  
Loss rate: 0.71%

Run 3: Report of LEDBAT — Data Link

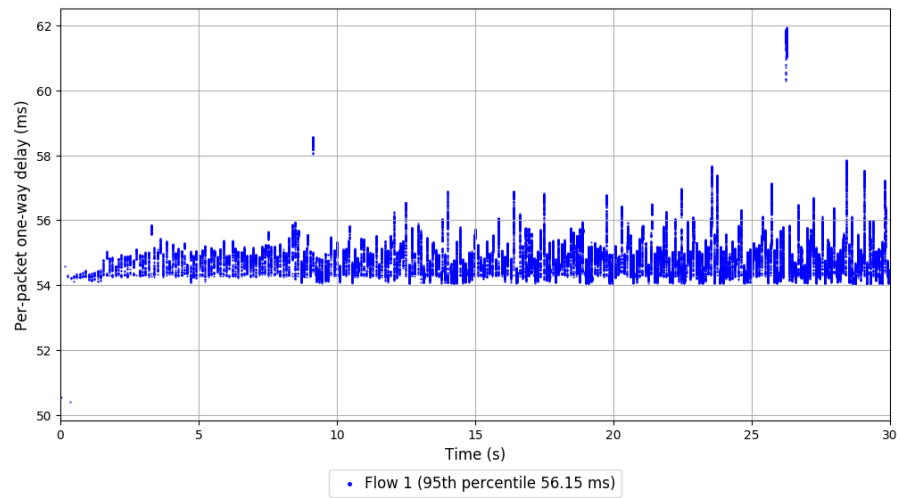
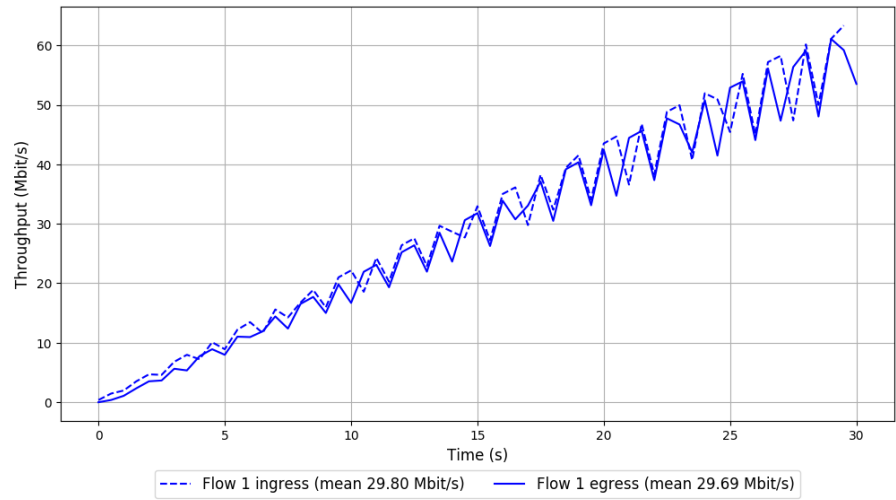


Run 4: Statistics of LEDBAT

Start at: 2018-07-06 02:48:10  
End at: 2018-07-06 02:48:40  
Local clock offset: 0.112 ms  
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2018-07-06 06:23:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.69 Mbit/s  
95th percentile per-packet one-way delay: 56.153 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 29.69 Mbit/s  
95th percentile per-packet one-way delay: 56.153 ms  
Loss rate: 0.71%

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



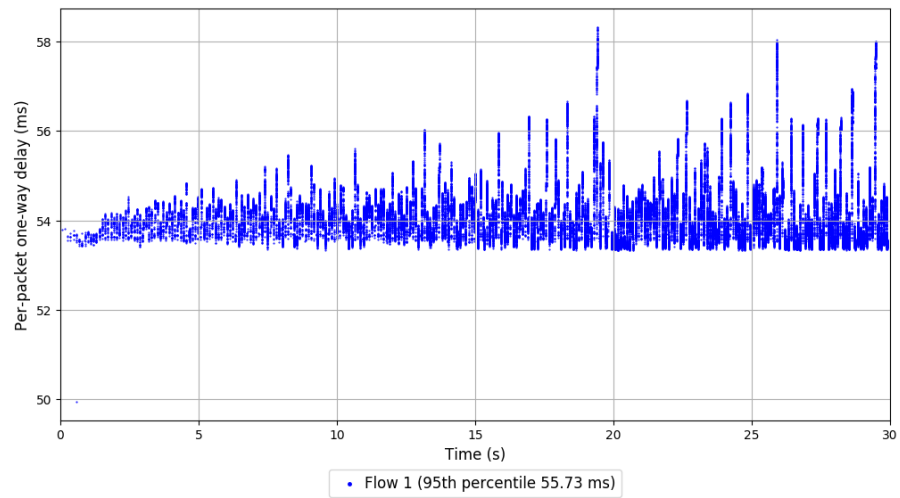
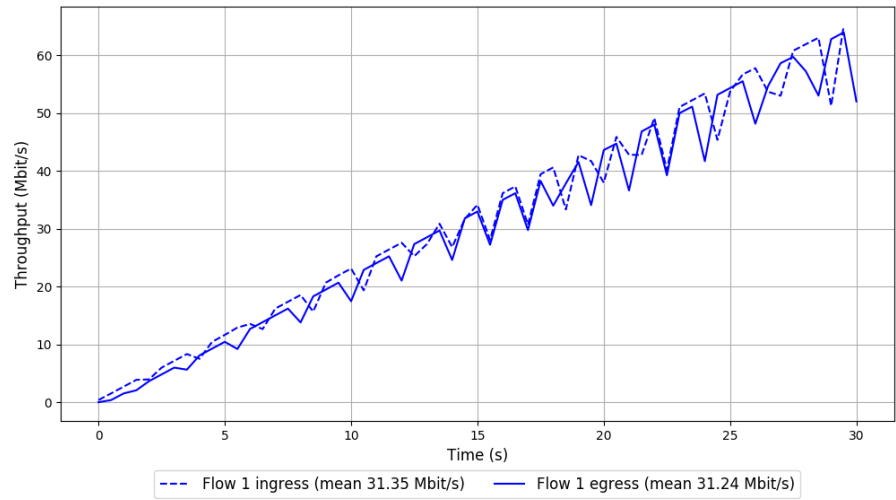
Run 5: Statistics of LEDBAT

Start at: 2018-07-06 03:10:16  
End at: 2018-07-06 03:10:46  
Local clock offset: -0.149 ms  
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-07-06 06:23:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 31.24 Mbit/s  
95th percentile per-packet one-way delay: 55.735 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 31.24 Mbit/s  
95th percentile per-packet one-way delay: 55.735 ms  
Loss rate: 0.70%



## Run 5: Report of LEDBAT — Data Link

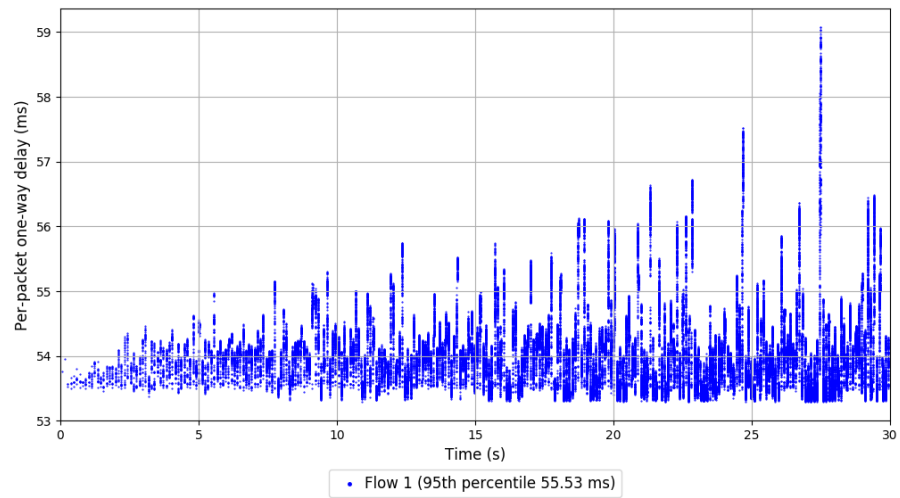
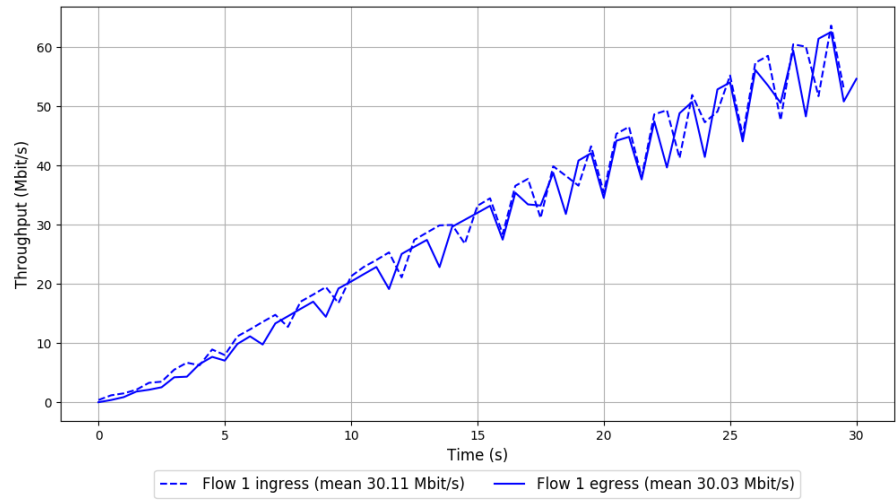


Run 6: Statistics of LEDBAT

Start at: 2018-07-06 03:31:43  
End at: 2018-07-06 03:32:13  
Local clock offset: -0.21 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-07-06 06:23:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 30.03 Mbit/s  
95th percentile per-packet one-way delay: 55.527 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 30.03 Mbit/s  
95th percentile per-packet one-way delay: 55.527 ms  
Loss rate: 0.62%

## Run 6: Report of LEDBAT — Data Link

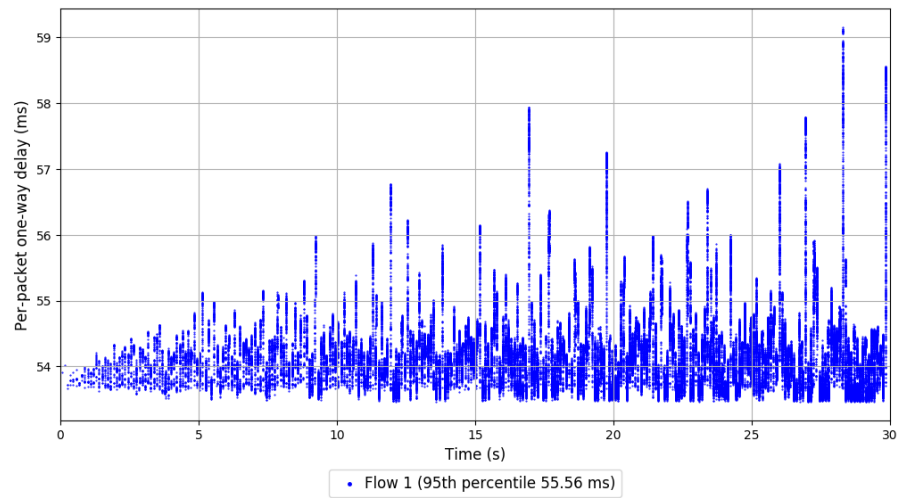
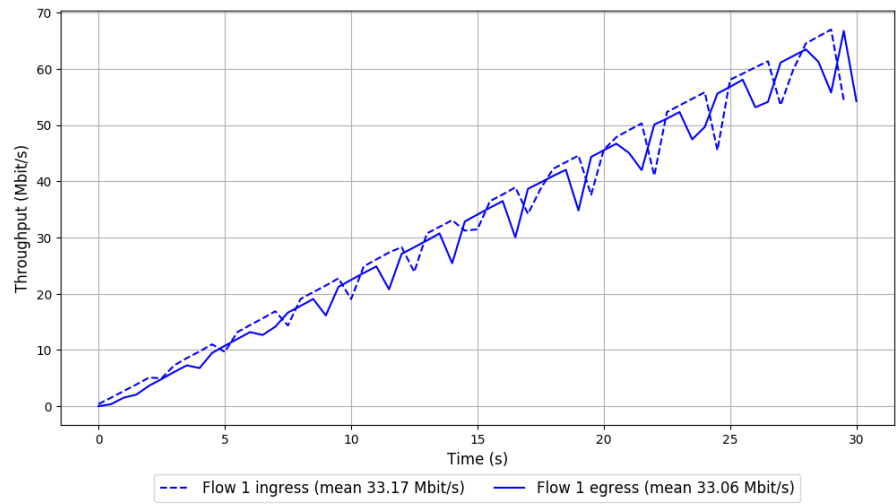


Run 7: Statistics of LEDBAT

Start at: 2018-07-06 03:53:34  
End at: 2018-07-06 03:54:04  
Local clock offset: 0.081 ms  
Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2018-07-06 06:23:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.06 Mbit/s  
95th percentile per-packet one-way delay: 55.562 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 33.06 Mbit/s  
95th percentile per-packet one-way delay: 55.562 ms  
Loss rate: 0.69%

## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-06 04:15:17

End at: 2018-07-06 04:15:47

Local clock offset: 0.078 ms

Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2018-07-06 06:23:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 54.428 ms

Loss rate: 2.06%

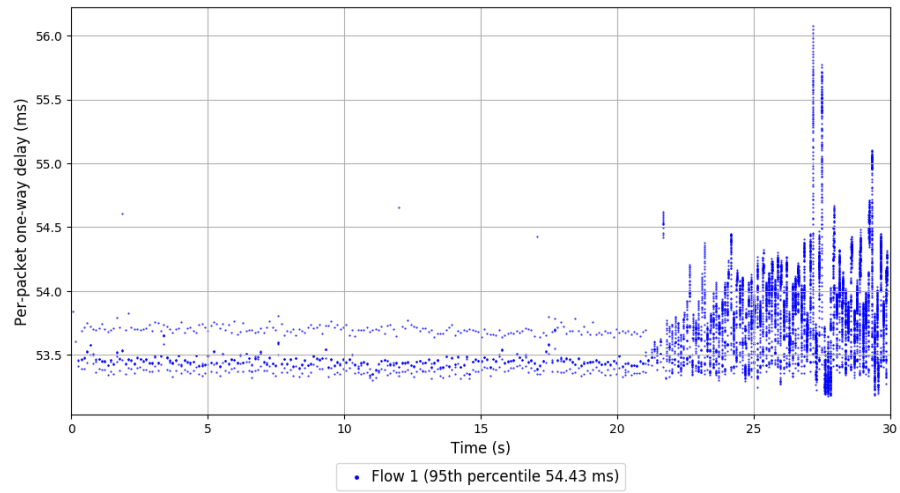
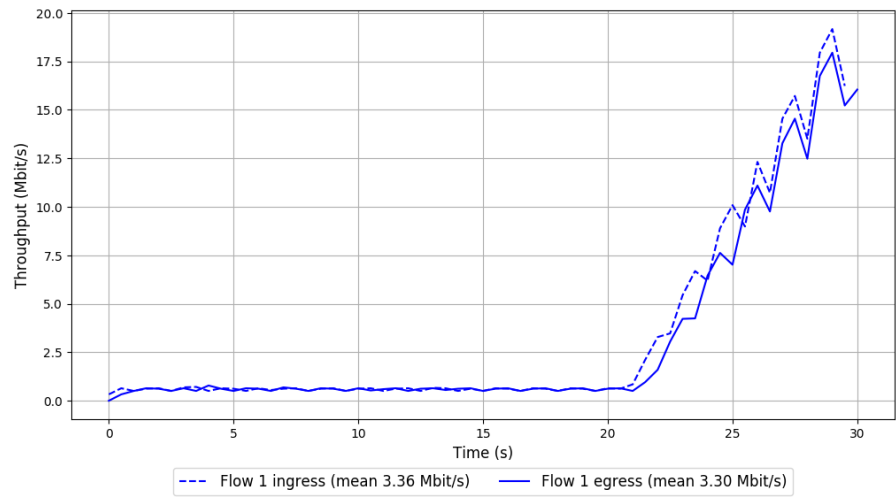
-- Flow 1:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 54.428 ms

Loss rate: 2.06%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-06 04:37:03

End at: 2018-07-06 04:37:33

Local clock offset: -0.134 ms

Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-07-06 06:23:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.39 Mbit/s

95th percentile per-packet one-way delay: 55.388 ms

Loss rate: 0.70%

-- Flow 1:

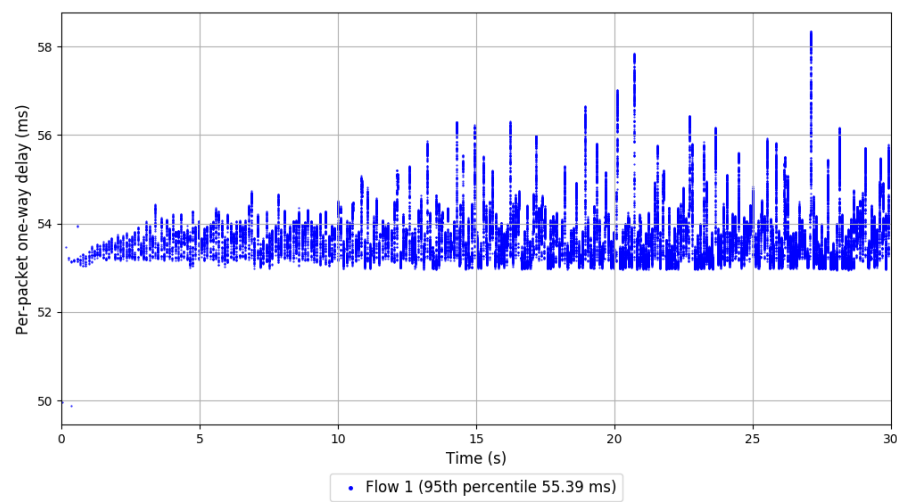
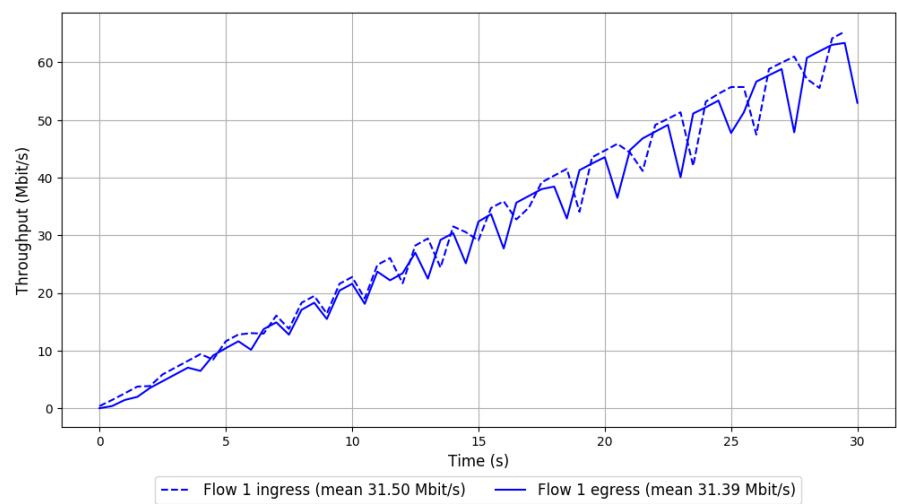
Average throughput: 31.39 Mbit/s

95th percentile per-packet one-way delay: 55.388 ms

Loss rate: 0.70%



Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-06 04:58:39

End at: 2018-07-06 04:59:09

Local clock offset: 0.103 ms

Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2018-07-06 06:23:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 55.207 ms

Loss rate: 0.71%

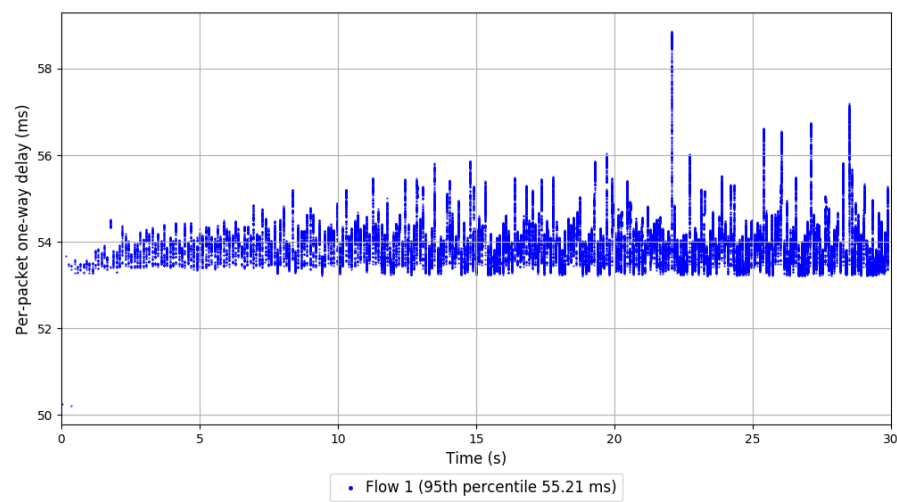
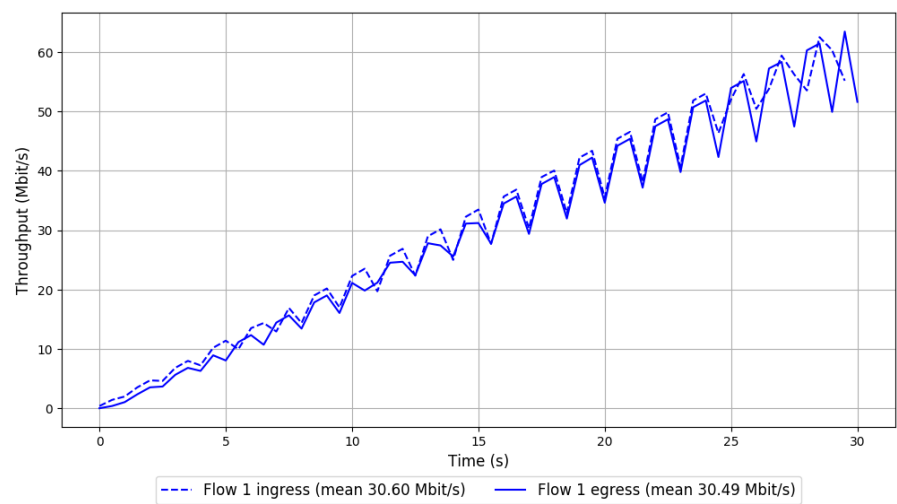
-- Flow 1:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 55.207 ms

Loss rate: 0.71%

Run 10: Report of LEDBAT — Data Link

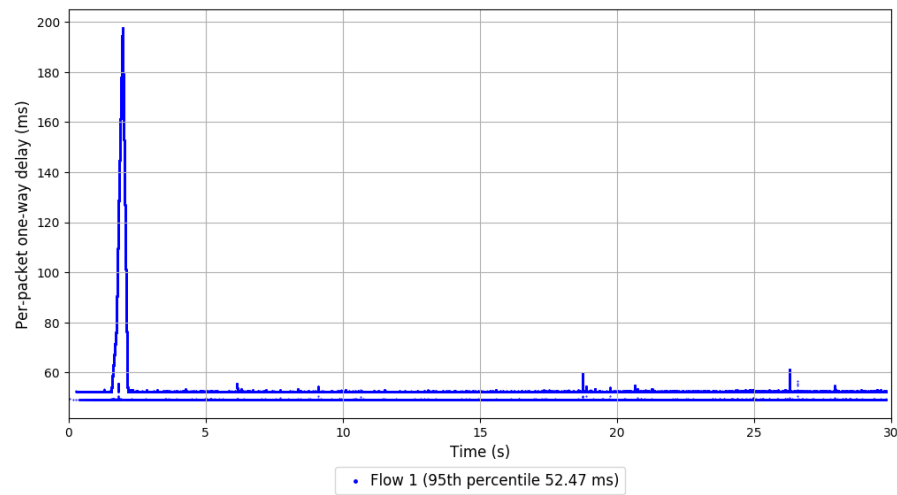
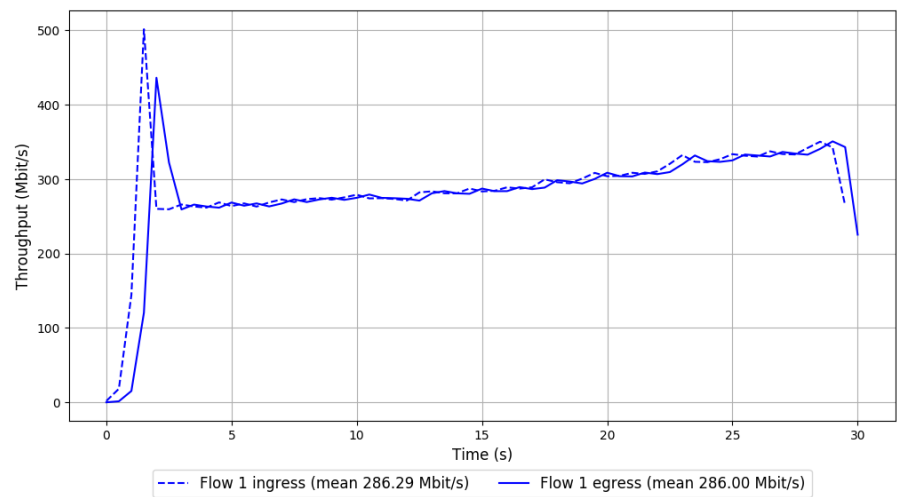


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-06 01:41:14
End at: 2018-07-06 01:41:44
Local clock offset: -0.053 ms
Remote clock offset: 1.29 ms

# Below is generated by plot.py at 2018-07-06 06:26:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 286.00 Mbit/s
95th percentile per-packet one-way delay: 52.468 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 286.00 Mbit/s
95th percentile per-packet one-way delay: 52.468 ms
Loss rate: 0.45%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-06 02:03:07

End at: 2018-07-06 02:03:37

Local clock offset: -0.069 ms

Remote clock offset: -1.276 ms

# Below is generated by plot.py at 2018-07-06 06:30:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 500.03 Mbit/s

95th percentile per-packet one-way delay: 192.907 ms

Loss rate: 1.12%

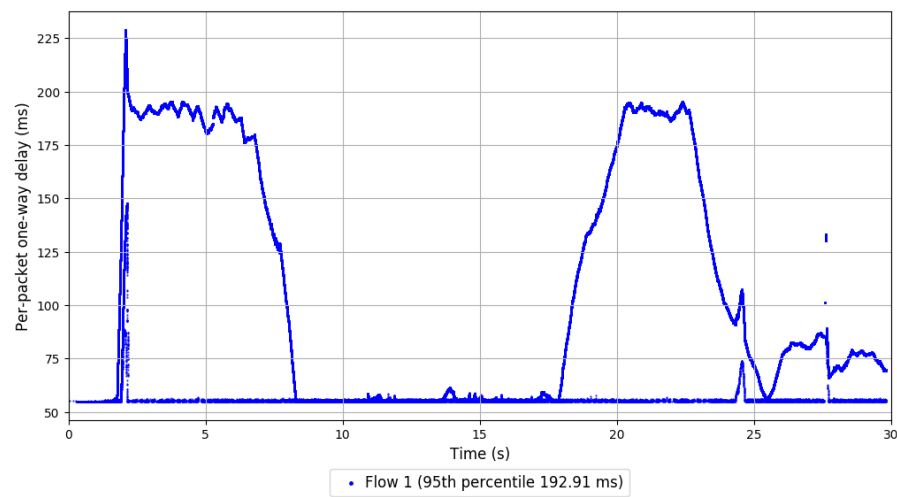
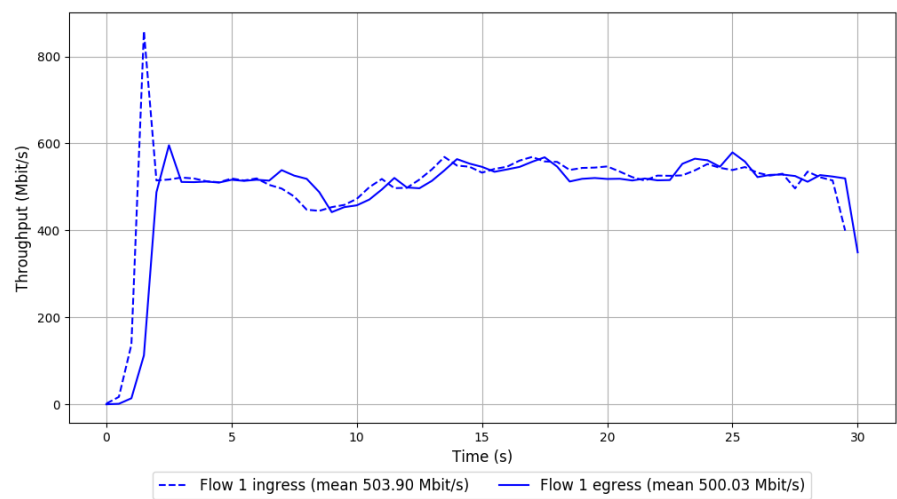
-- Flow 1:

Average throughput: 500.03 Mbit/s

95th percentile per-packet one-way delay: 192.907 ms

Loss rate: 1.12%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-06 02:24:56

End at: 2018-07-06 02:25:26

Local clock offset: 0.19 ms

Remote clock offset: 0.13 ms

# Below is generated by plot.py at 2018-07-06 06:30:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 342.92 Mbit/s

95th percentile per-packet one-way delay: 198.695 ms

Loss rate: 2.38%

-- Flow 1:

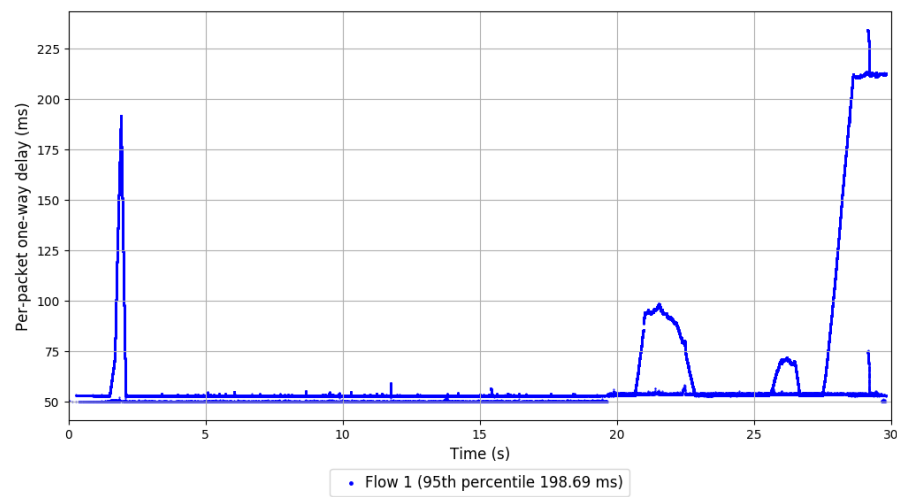
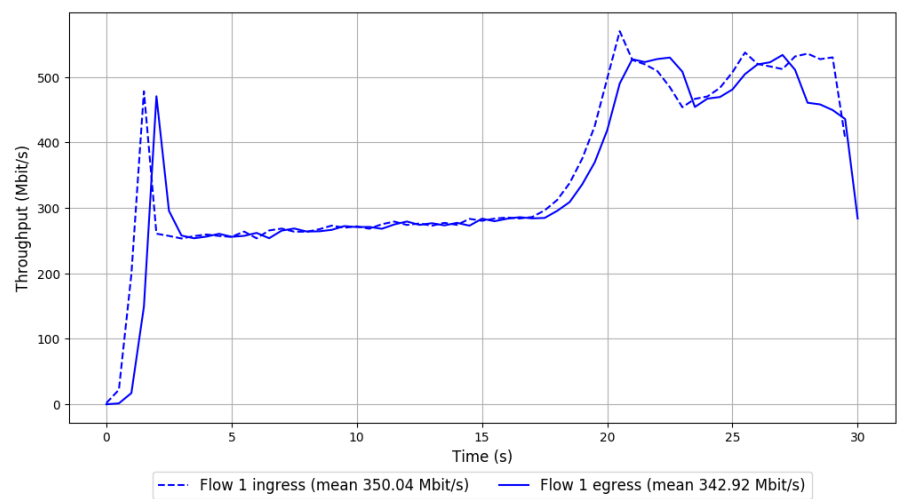
Average throughput: 342.92 Mbit/s

95th percentile per-packet one-way delay: 198.695 ms

Loss rate: 2.38%



Run 3: Report of PCC-Allegro — Data Link

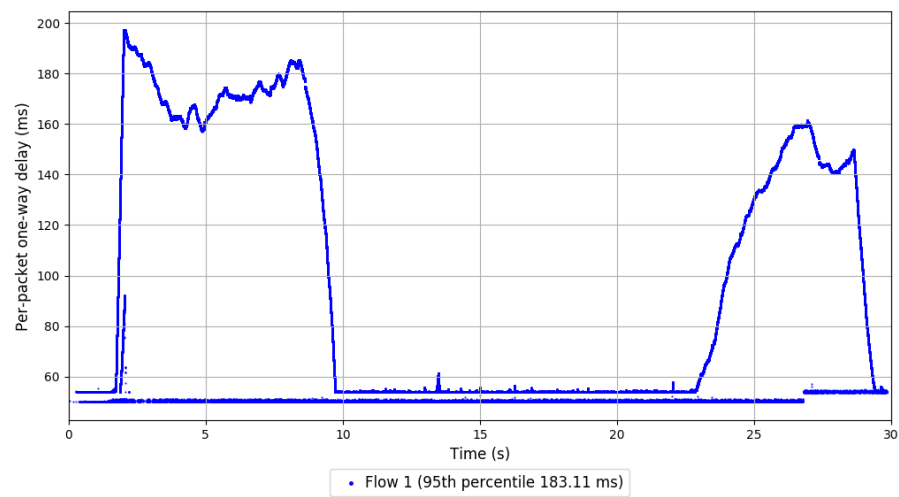
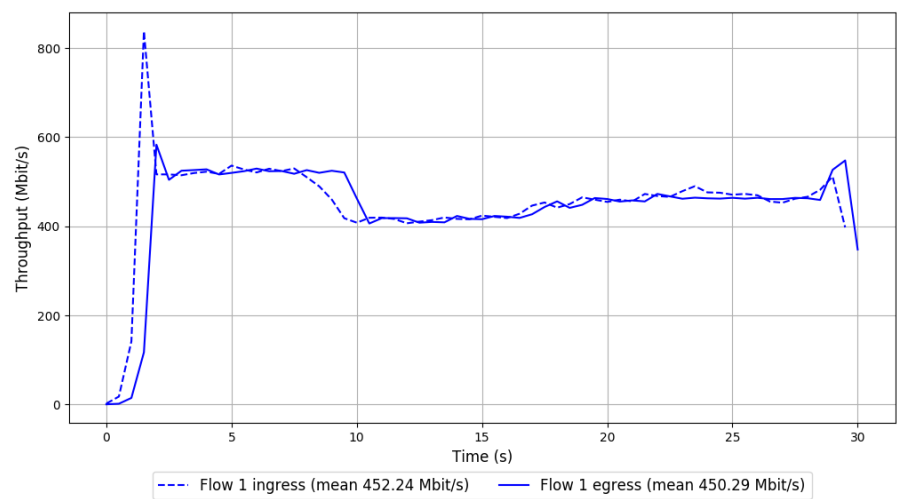


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-06 02:46:49  
End at: 2018-07-06 02:47:19  
Local clock offset: -0.031 ms  
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-07-06 06:30:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 450.29 Mbit/s  
95th percentile per-packet one-way delay: 183.109 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 450.29 Mbit/s  
95th percentile per-packet one-way delay: 183.109 ms  
Loss rate: 0.77%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-06 03:08:56

End at: 2018-07-06 03:09:26

Local clock offset: -0.246 ms

Remote clock offset: 0.128 ms

# Below is generated by plot.py at 2018-07-06 06:30:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 438.99 Mbit/s

95th percentile per-packet one-way delay: 194.664 ms

Loss rate: 2.16%

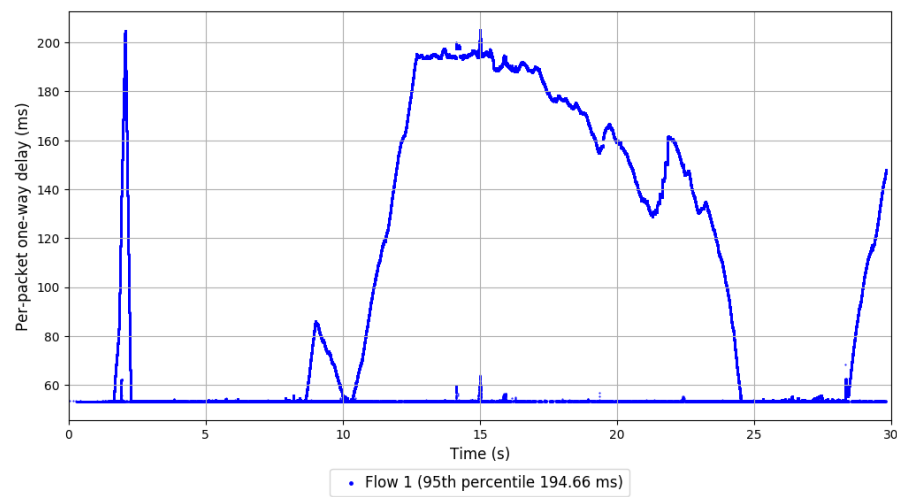
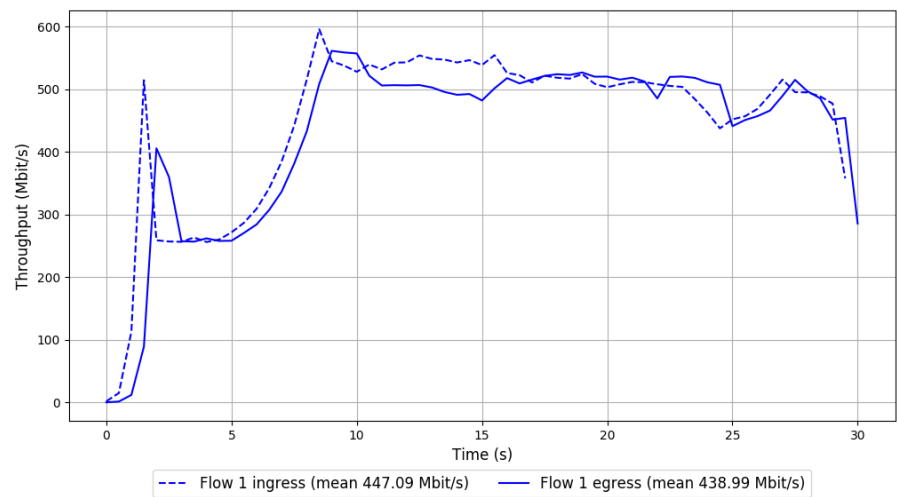
-- Flow 1:

Average throughput: 438.99 Mbit/s

95th percentile per-packet one-way delay: 194.664 ms

Loss rate: 2.16%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-06 03:30:22

End at: 2018-07-06 03:30:52

Local clock offset: 0.254 ms

Remote clock offset: 0.356 ms

# Below is generated by plot.py at 2018-07-06 06:31:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 466.89 Mbit/s

95th percentile per-packet one-way delay: 172.806 ms

Loss rate: 1.27%

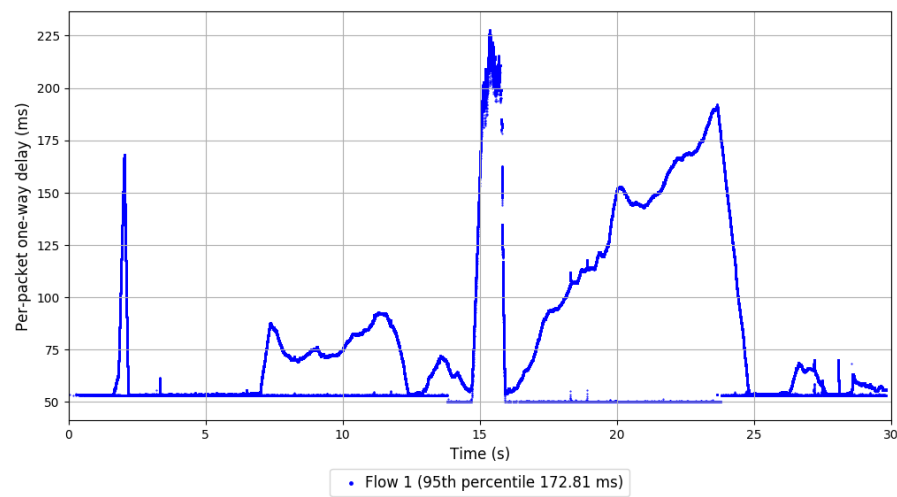
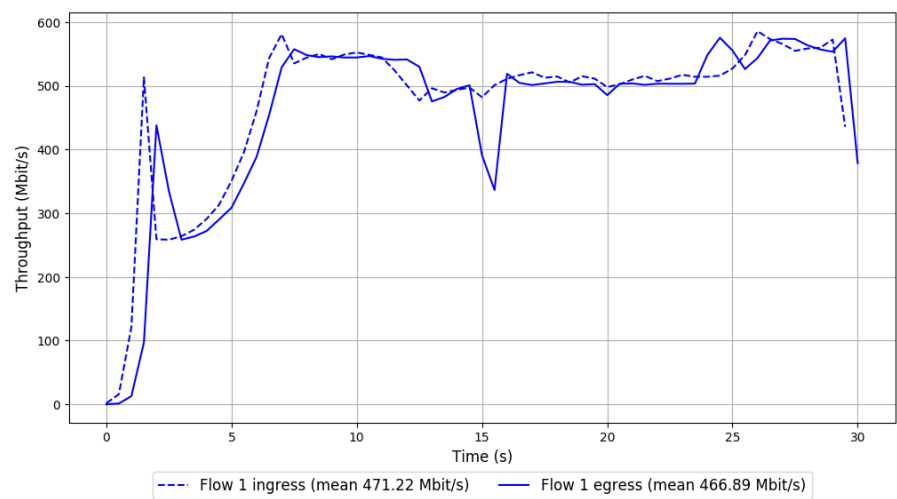
-- Flow 1:

Average throughput: 466.89 Mbit/s

95th percentile per-packet one-way delay: 172.806 ms

Loss rate: 1.27%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-06 03:52:14

End at: 2018-07-06 03:52:44

Local clock offset: 0.014 ms

Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-07-06 06:31:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 433.22 Mbit/s

95th percentile per-packet one-way delay: 189.154 ms

Loss rate: 0.97%

-- Flow 1:

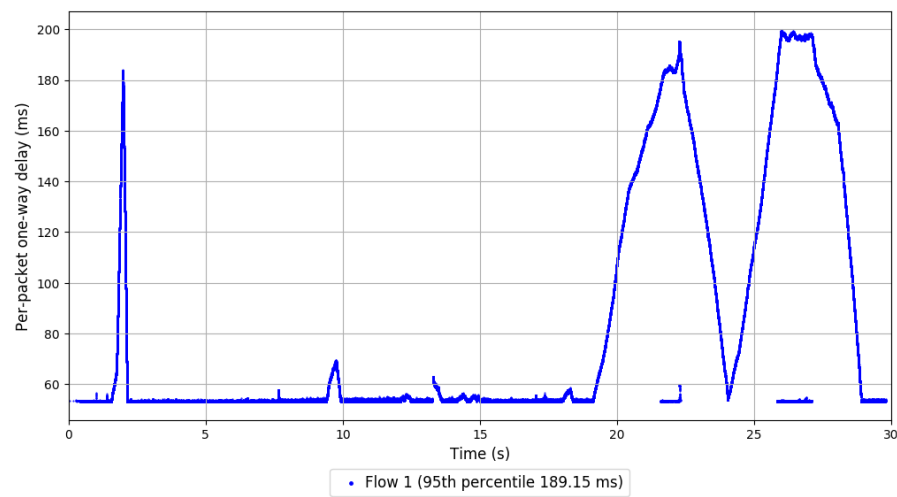
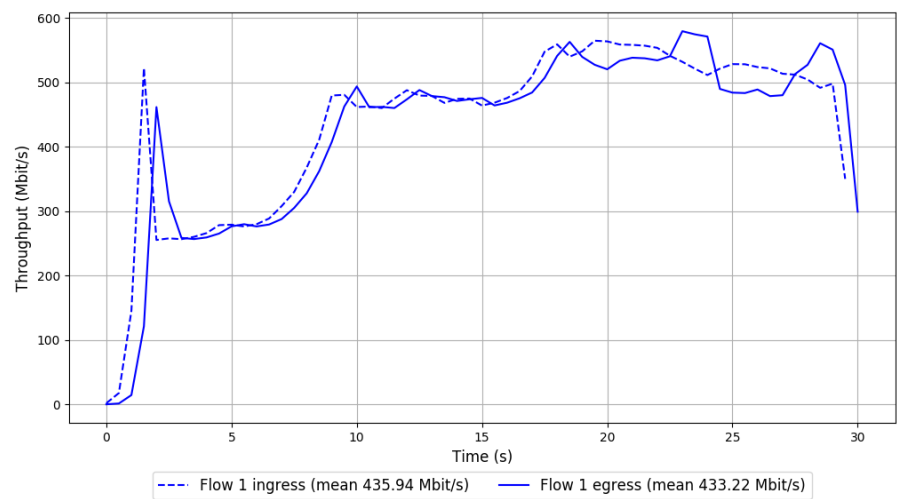
Average throughput: 433.22 Mbit/s

95th percentile per-packet one-way delay: 189.154 ms

Loss rate: 0.97%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-06 04:13:56

End at: 2018-07-06 04:14:26

Local clock offset: -0.168 ms

Remote clock offset: 1.328 ms

# Below is generated by plot.py at 2018-07-06 06:31:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 458.75 Mbit/s

95th percentile per-packet one-way delay: 193.183 ms

Loss rate: 1.84%

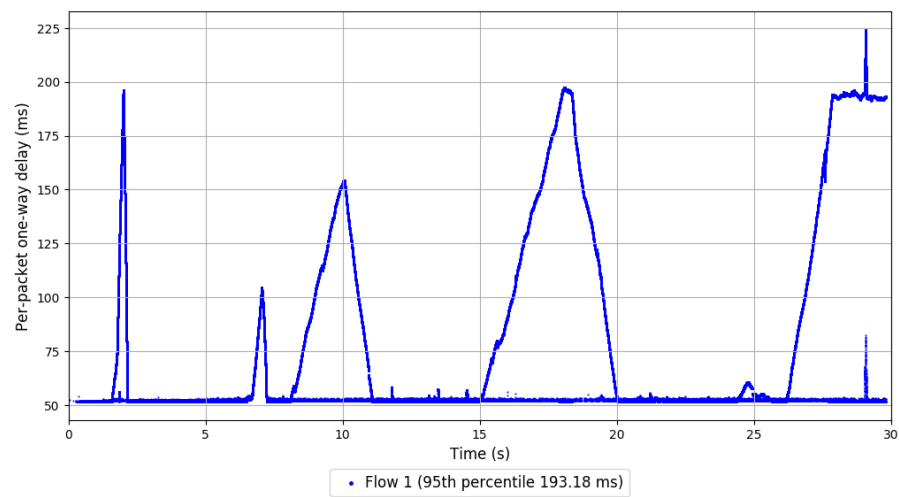
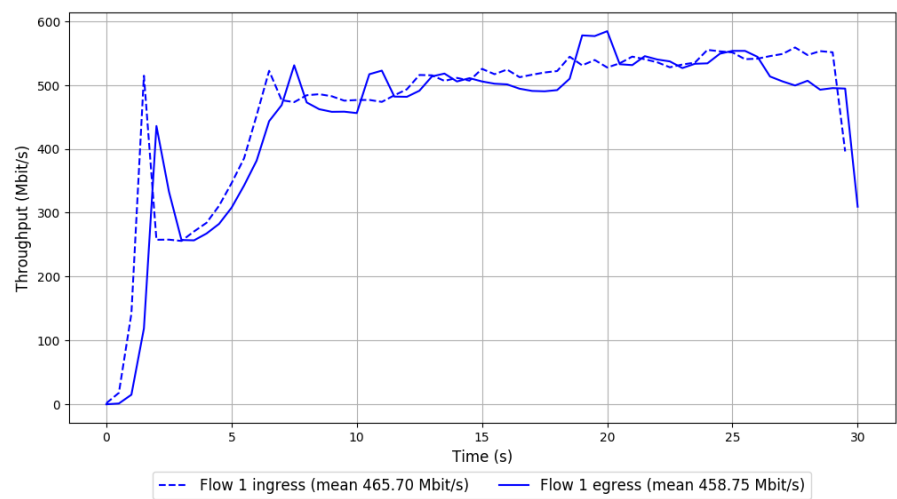
-- Flow 1:

Average throughput: 458.75 Mbit/s

95th percentile per-packet one-way delay: 193.183 ms

Loss rate: 1.84%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-06 04:35:41

End at: 2018-07-06 04:36:11

Local clock offset: -0.093 ms

Remote clock offset: 0.101 ms

# Below is generated by plot.py at 2018-07-06 06:35:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 496.52 Mbit/s

95th percentile per-packet one-way delay: 193.504 ms

Loss rate: 1.37%

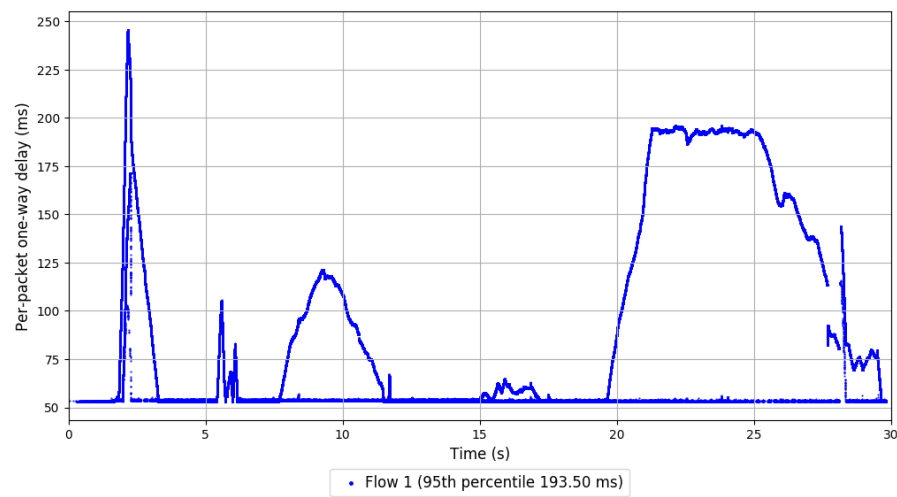
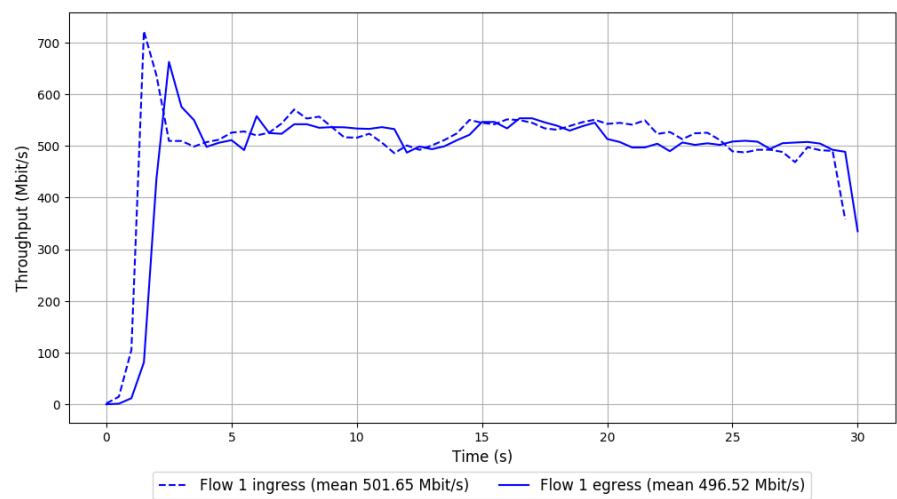
-- Flow 1:

Average throughput: 496.52 Mbit/s

95th percentile per-packet one-way delay: 193.504 ms

Loss rate: 1.37%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-06 04:57:18

End at: 2018-07-06 04:57:48

Local clock offset: -0.006 ms

Remote clock offset: 0.159 ms

# Below is generated by plot.py at 2018-07-06 06:36:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 435.13 Mbit/s

95th percentile per-packet one-way delay: 188.886 ms

Loss rate: 1.13%

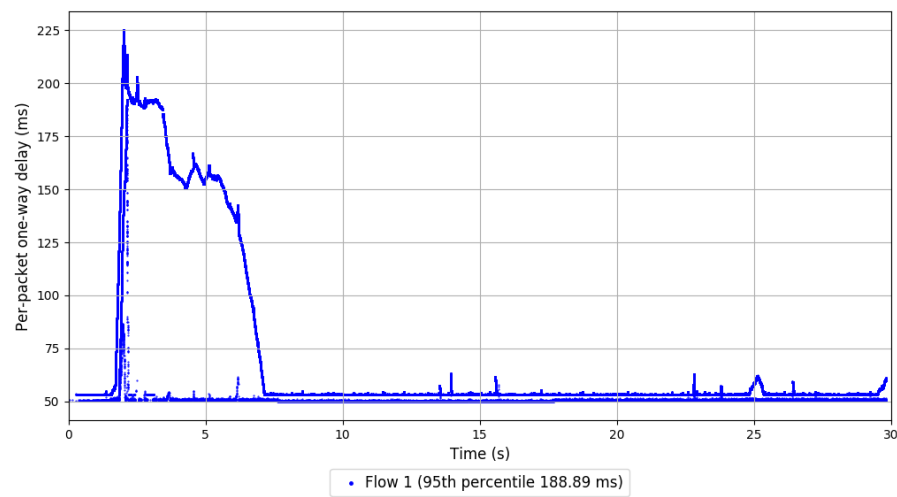
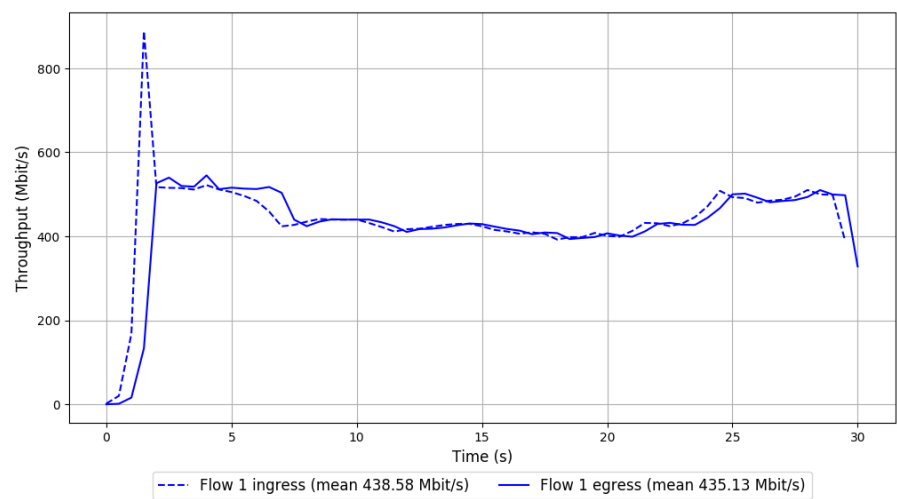
-- Flow 1:

Average throughput: 435.13 Mbit/s

95th percentile per-packet one-way delay: 188.886 ms

Loss rate: 1.13%

Run 10: Report of PCC-Allegro — Data Link



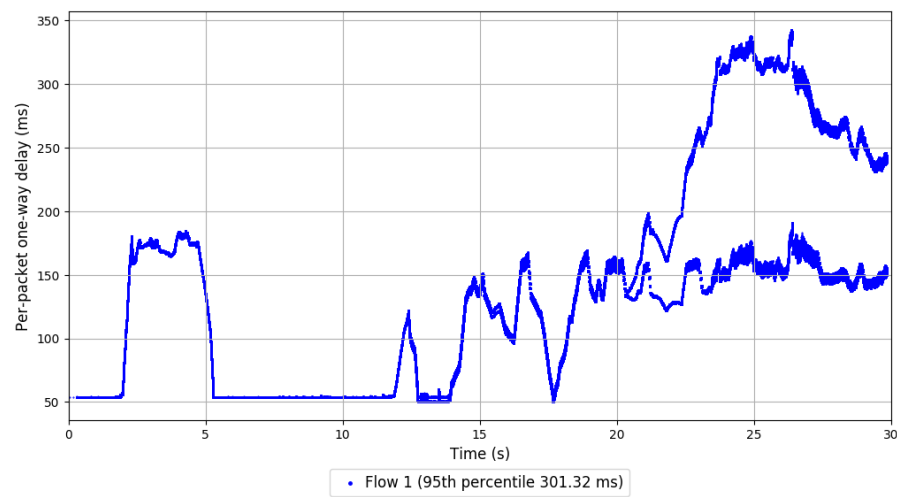
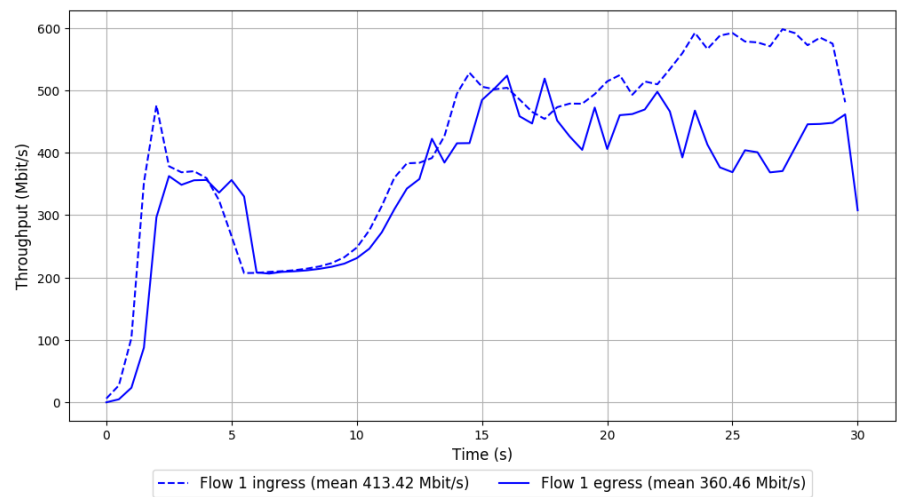
```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-06 01:44:44
End at: 2018-07-06 01:45:14
Local clock offset: 0.157 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-07-06 06:43:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.46 Mbit/s
95th percentile per-packet one-way delay: 301.324 ms
Loss rate: 13.12%
-- Flow 1:
Average throughput: 360.46 Mbit/s
95th percentile per-packet one-way delay: 301.324 ms
Loss rate: 13.12%
```



Run 1: Report of PCC-Expr — Data Link

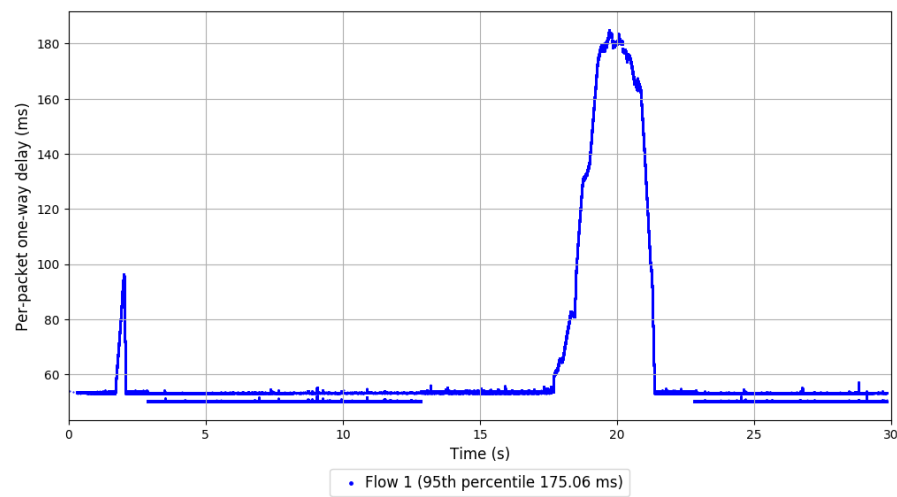
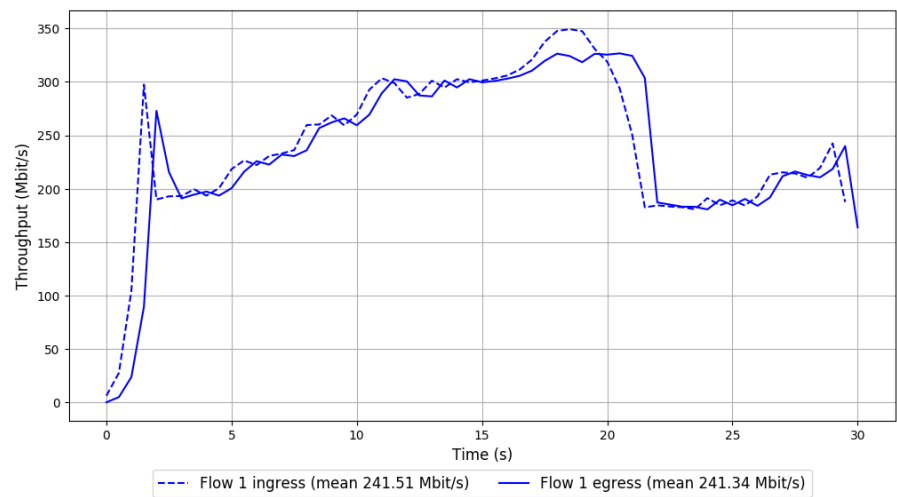


Run 2: Statistics of PCC-Expr

Start at: 2018-07-06 02:06:43  
End at: 2018-07-06 02:07:13  
Local clock offset: 0.198 ms  
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-06 06:43:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 241.34 Mbit/s  
95th percentile per-packet one-way delay: 175.062 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 241.34 Mbit/s  
95th percentile per-packet one-way delay: 175.062 ms  
Loss rate: 0.42%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-06 02:28:27

End at: 2018-07-06 02:28:57

Local clock offset: 0.035 ms

Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2018-07-06 06:43:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 117.33 Mbit/s

95th percentile per-packet one-way delay: 53.064 ms

Loss rate: 0.36%

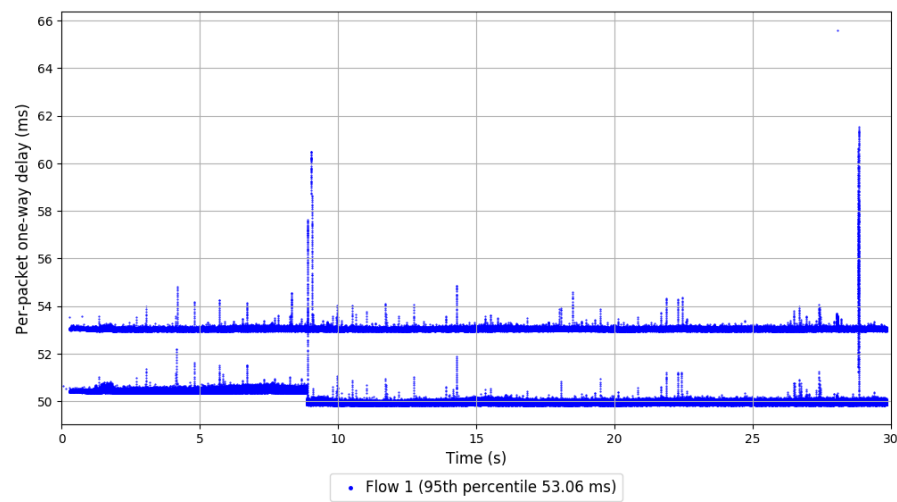
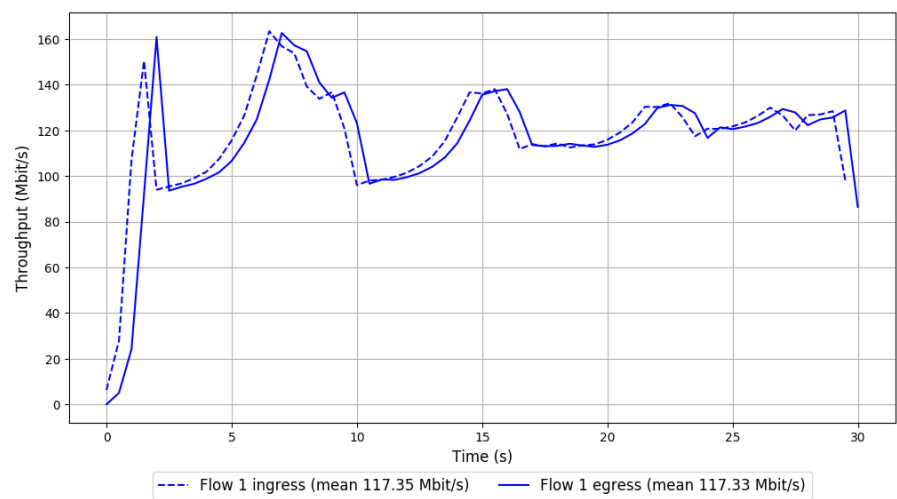
-- Flow 1:

Average throughput: 117.33 Mbit/s

95th percentile per-packet one-way delay: 53.064 ms

Loss rate: 0.36%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-06 02:50:23

End at: 2018-07-06 02:50:53

Local clock offset: 0.02 ms

Remote clock offset: -1.268 ms

# Below is generated by plot.py at 2018-07-06 06:43:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 275.93 Mbit/s

95th percentile per-packet one-way delay: 304.368 ms

Loss rate: 29.85%

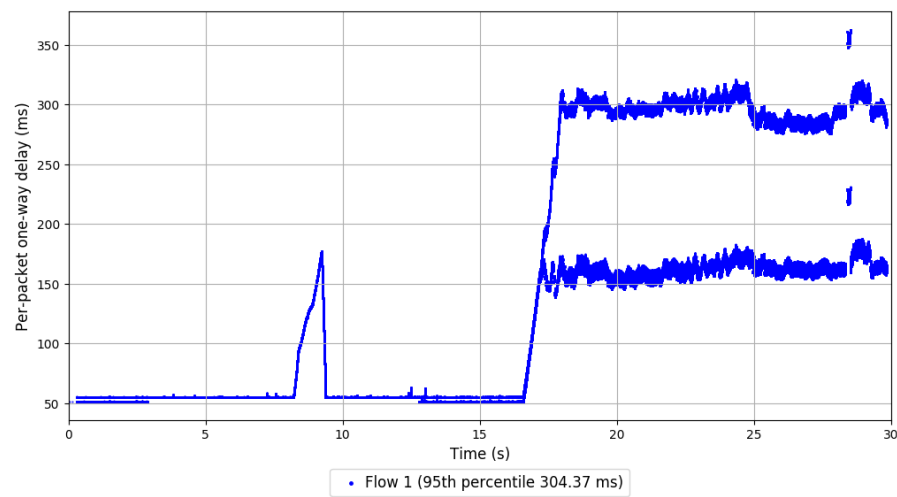
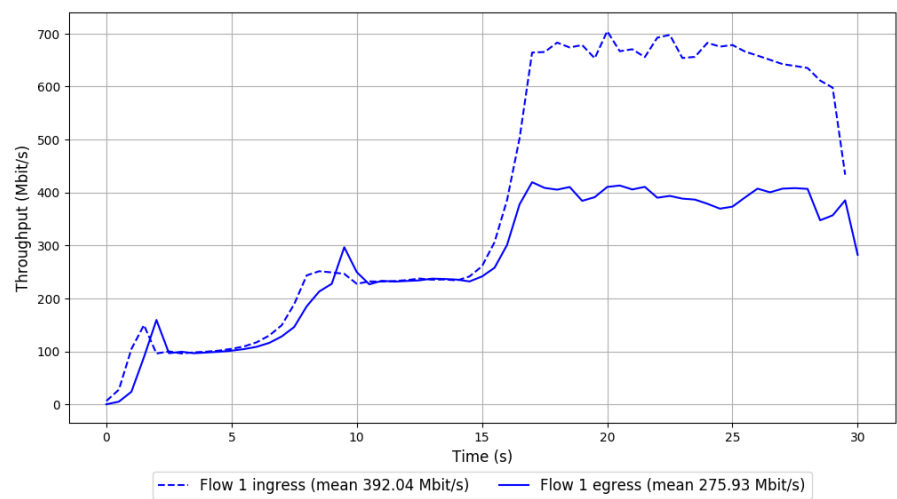
-- Flow 1:

Average throughput: 275.93 Mbit/s

95th percentile per-packet one-way delay: 304.368 ms

Loss rate: 29.85%

Run 4: Report of PCC-Expr — Data Link



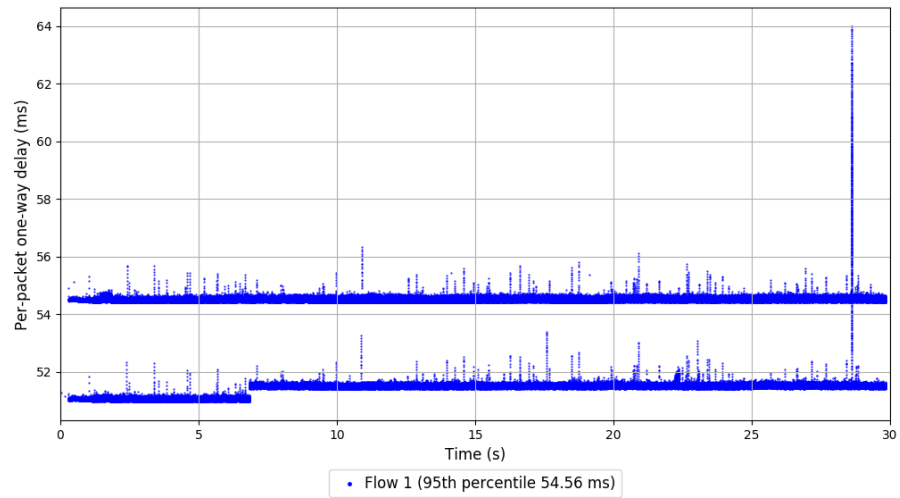
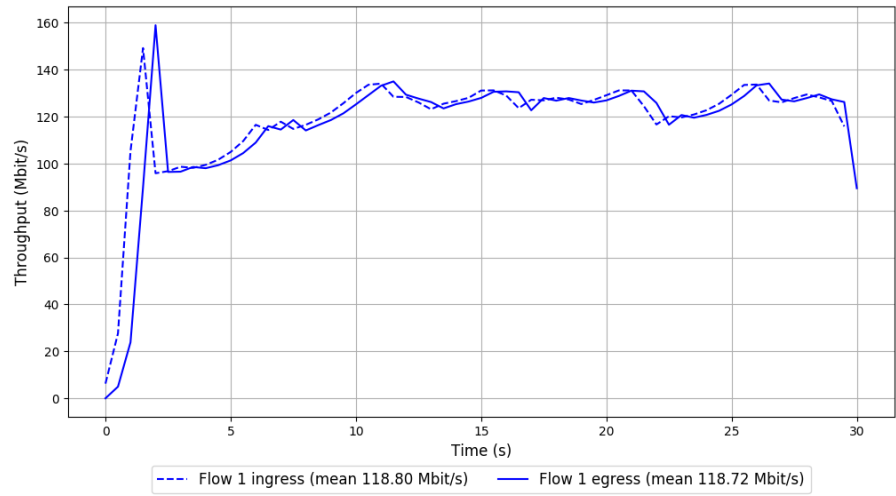
Run 5: Statistics of PCC-Expr

Start at: 2018-07-06 03:12:29  
End at: 2018-07-06 03:12:59  
Local clock offset: -0.153 ms  
Remote clock offset: -1.088 ms

# Below is generated by plot.py at 2018-07-06 06:43:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 118.72 Mbit/s  
95th percentile per-packet one-way delay: 54.560 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 118.72 Mbit/s  
95th percentile per-packet one-way delay: 54.560 ms  
Loss rate: 0.57%



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



Run 6: Statistics of PCC-Expr

Start at: 2018-07-06 03:33:57

End at: 2018-07-06 03:34:27

Local clock offset: -0.105 ms

Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-07-06 06:43:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 163.45 Mbit/s

95th percentile per-packet one-way delay: 163.791 ms

Loss rate: 2.76%

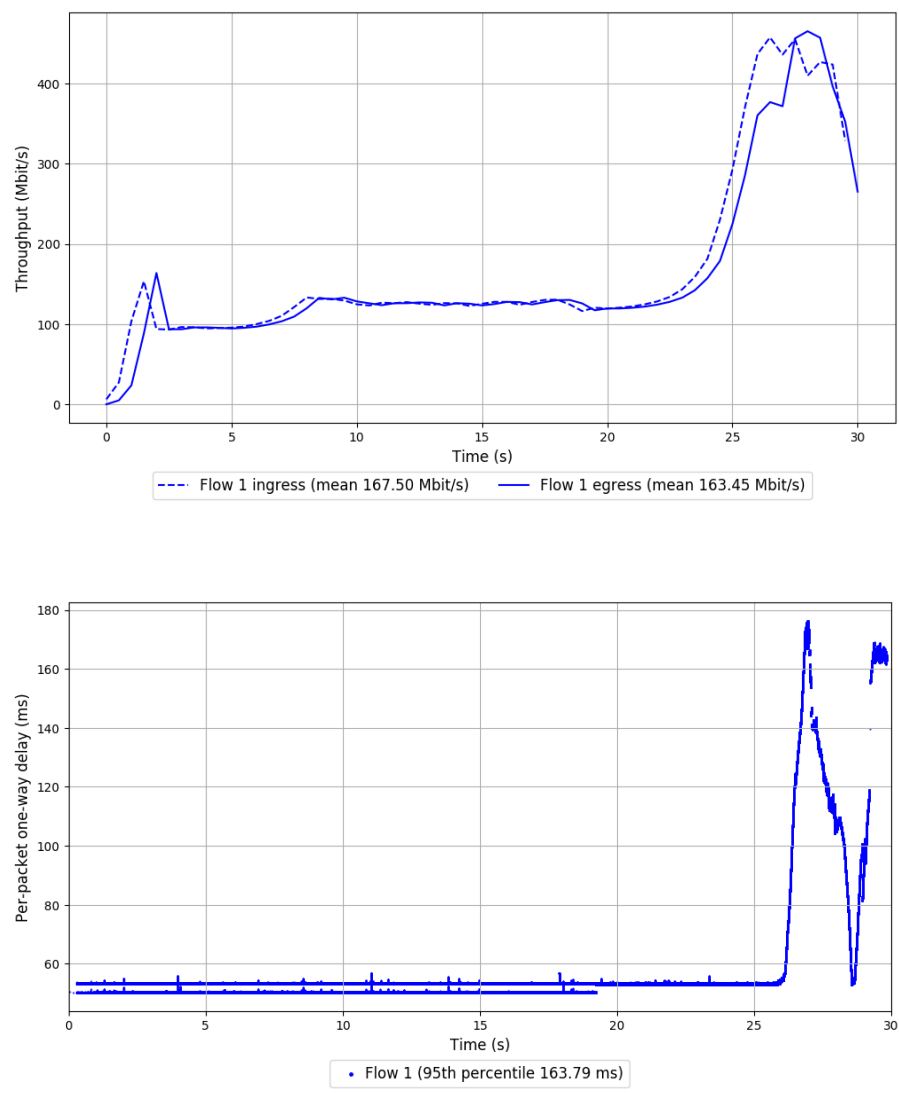
-- Flow 1:

Average throughput: 163.45 Mbit/s

95th percentile per-packet one-way delay: 163.791 ms

Loss rate: 2.76%

Run 6: Report of PCC-Expr — Data Link

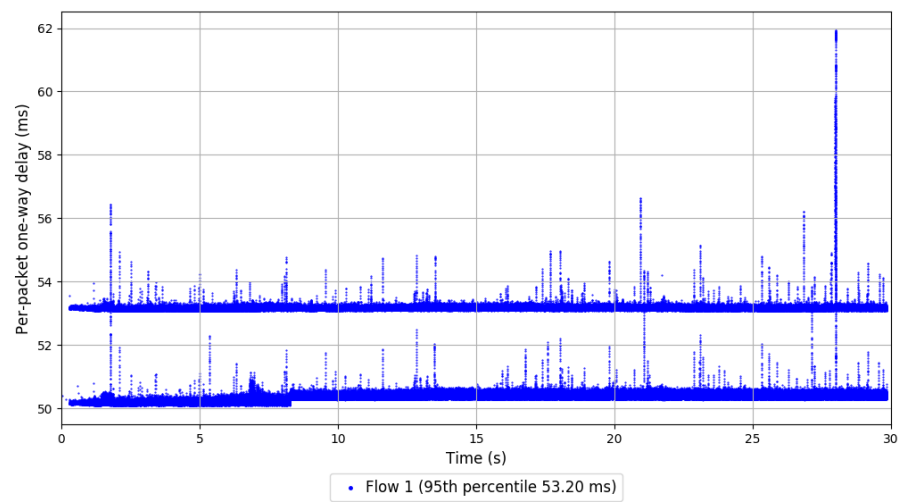
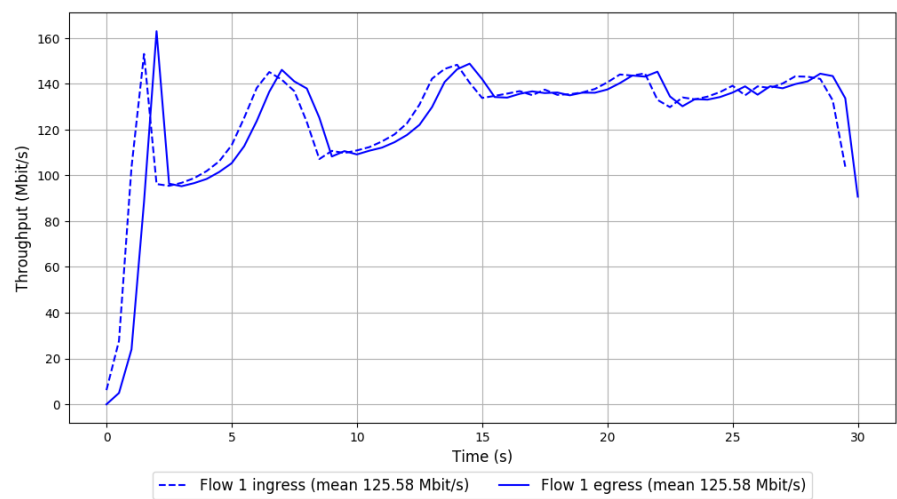


Run 7: Statistics of PCC-Expr

Start at: 2018-07-06 03:55:48  
End at: 2018-07-06 03:56:18  
Local clock offset: -0.236 ms  
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-07-06 06:43:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 125.58 Mbit/s  
95th percentile per-packet one-way delay: 53.204 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 125.58 Mbit/s  
95th percentile per-packet one-way delay: 53.204 ms  
Loss rate: 0.36%

Run 7: Report of PCC-Expr — Data Link

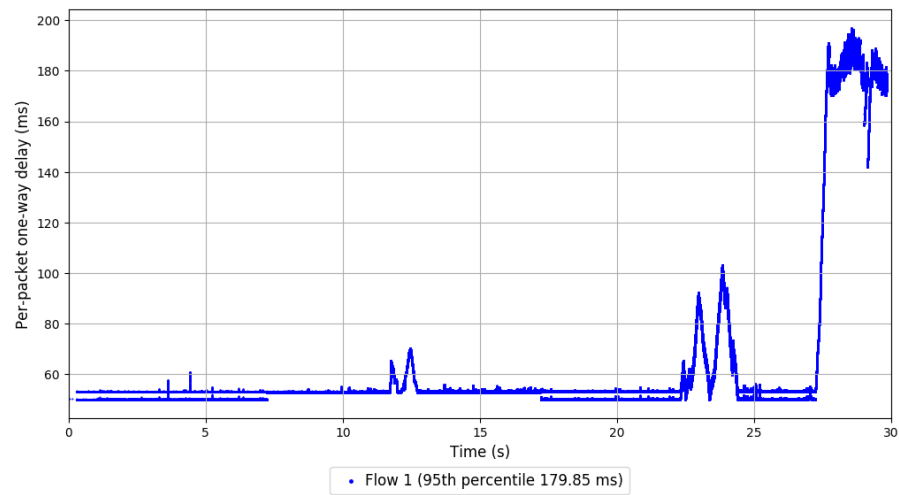
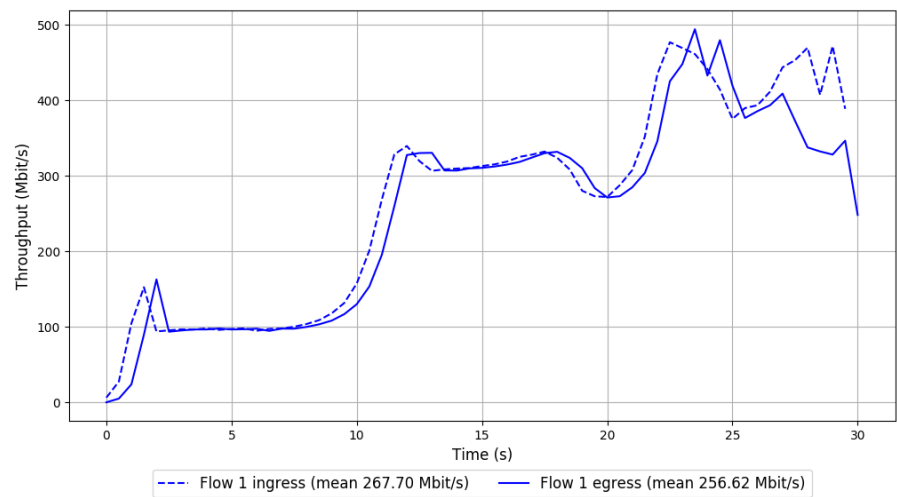


Run 8: Statistics of PCC-Expr

Start at: 2018-07-06 04:17:29  
End at: 2018-07-06 04:17:59  
Local clock offset: -0.156 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-07-06 06:44:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 256.62 Mbit/s  
95th percentile per-packet one-way delay: 179.851 ms  
Loss rate: 4.47%  
-- Flow 1:  
Average throughput: 256.62 Mbit/s  
95th percentile per-packet one-way delay: 179.851 ms  
Loss rate: 4.47%

Run 8: Report of PCC-Expr — Data Link



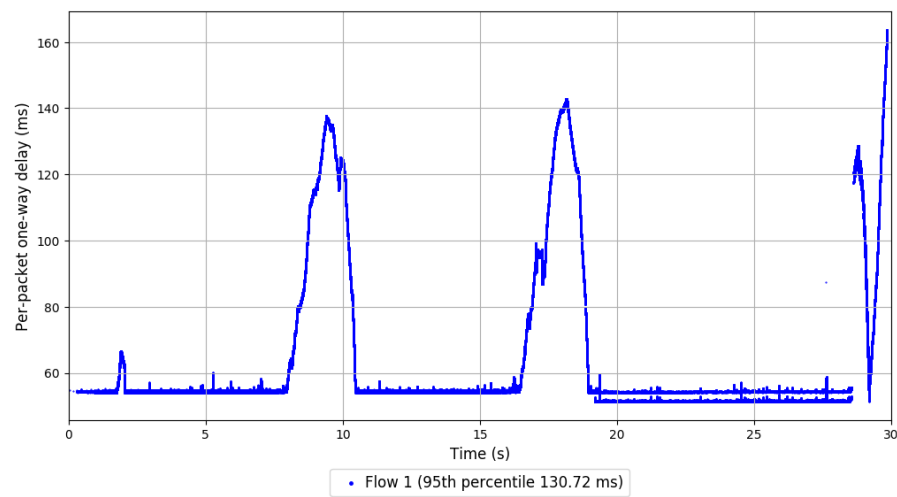
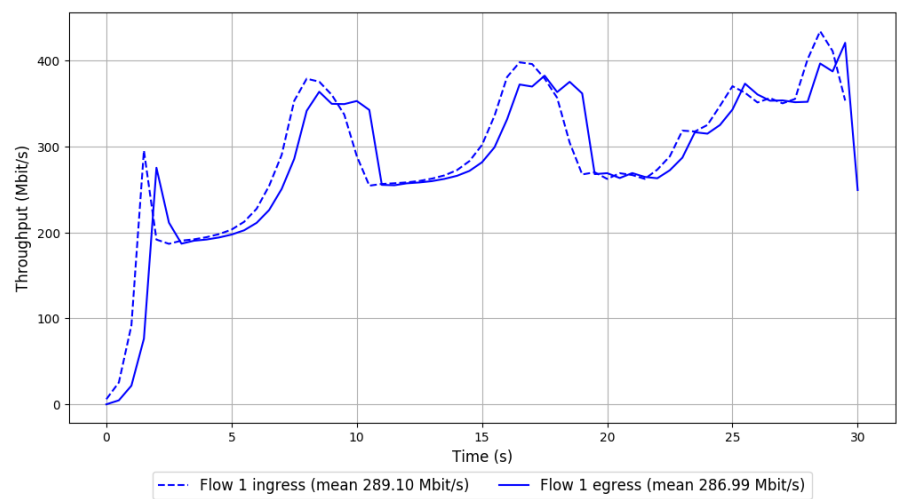
Run 9: Statistics of PCC-Expr

Start at: 2018-07-06 04:39:17  
End at: 2018-07-06 04:39:47  
Local clock offset: -0.284 ms  
Remote clock offset: -1.235 ms

# Below is generated by plot.py at 2018-07-06 06:46:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 286.99 Mbit/s  
95th percentile per-packet one-way delay: 130.717 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 286.99 Mbit/s  
95th percentile per-packet one-way delay: 130.717 ms  
Loss rate: 1.09%



Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-06 05:00:52

End at: 2018-07-06 05:01:22

Local clock offset: -0.157 ms

Remote clock offset: 0.169 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 304.68 Mbit/s

95th percentile per-packet one-way delay: 305.169 ms

Loss rate: 5.58%

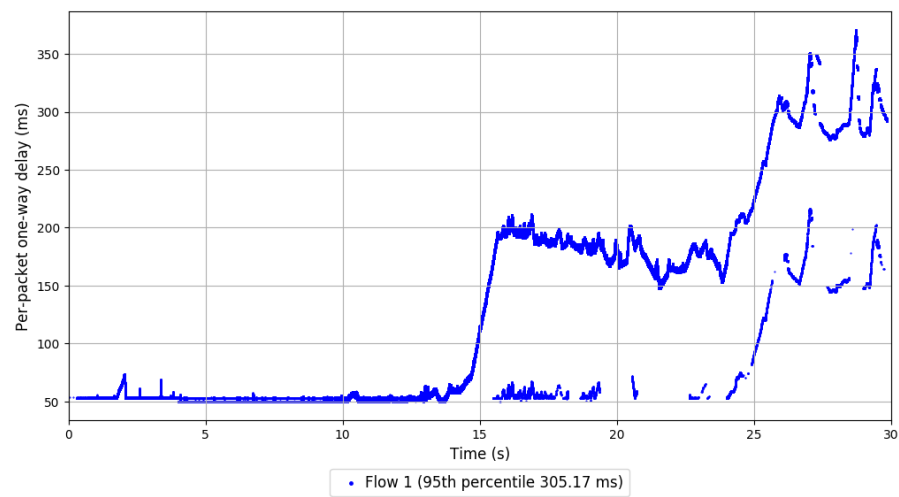
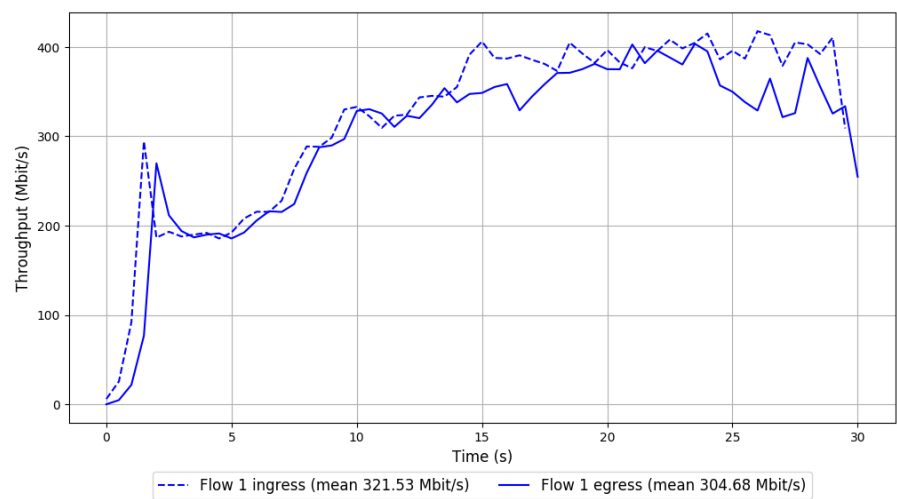
-- Flow 1:

Average throughput: 304.68 Mbit/s

95th percentile per-packet one-way delay: 305.169 ms

Loss rate: 5.58%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-06 01:50:20

End at: 2018-07-06 01:50:50

Local clock offset: -0.058 ms

Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 53.471 ms

Loss rate: 0.61%

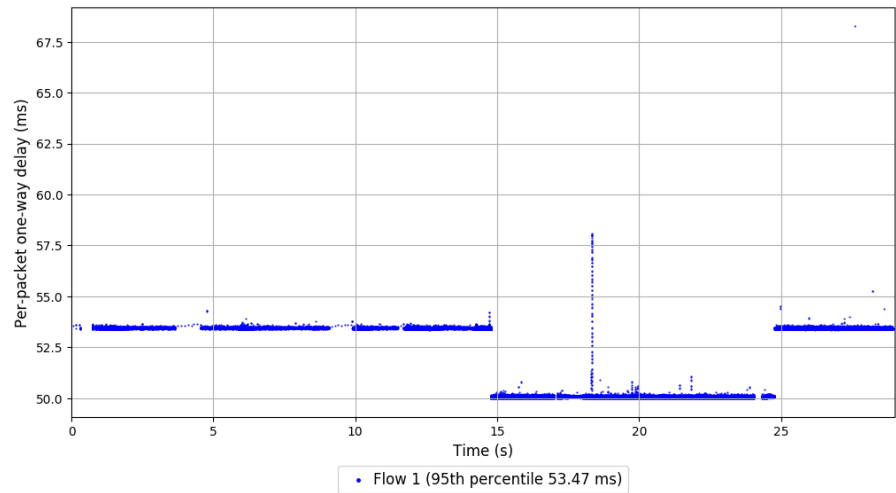
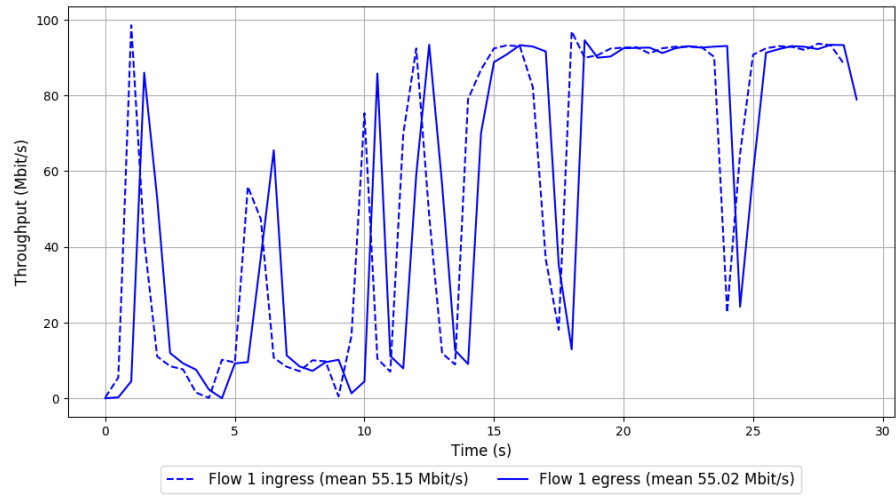
-- Flow 1:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 53.471 ms

Loss rate: 0.61%

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

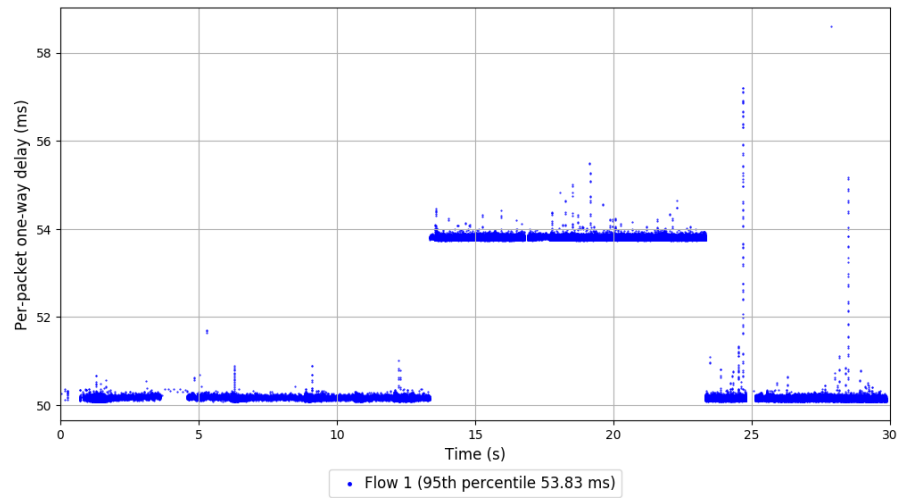
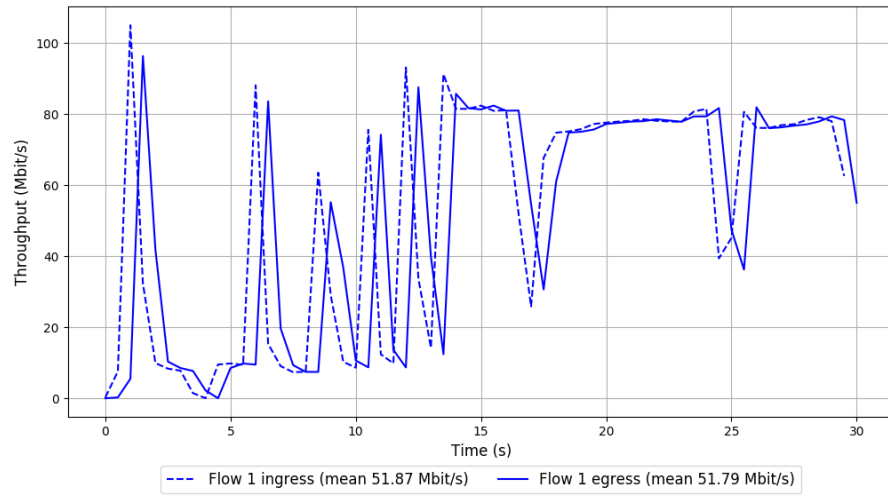


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-06 02:12:13  
End at: 2018-07-06 02:12:43  
Local clock offset: -0.138 ms  
Remote clock offset: -0.321 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 51.79 Mbit/s  
95th percentile per-packet one-way delay: 53.834 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 51.79 Mbit/s  
95th percentile per-packet one-way delay: 53.834 ms  
Loss rate: 0.49%

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



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-06 02:33:46

End at: 2018-07-06 02:34:16

Local clock offset: 0.11 ms

Remote clock offset: 0.183 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.00 Mbit/s

95th percentile per-packet one-way delay: 49.923 ms

Loss rate: 0.57%

-- Flow 1:

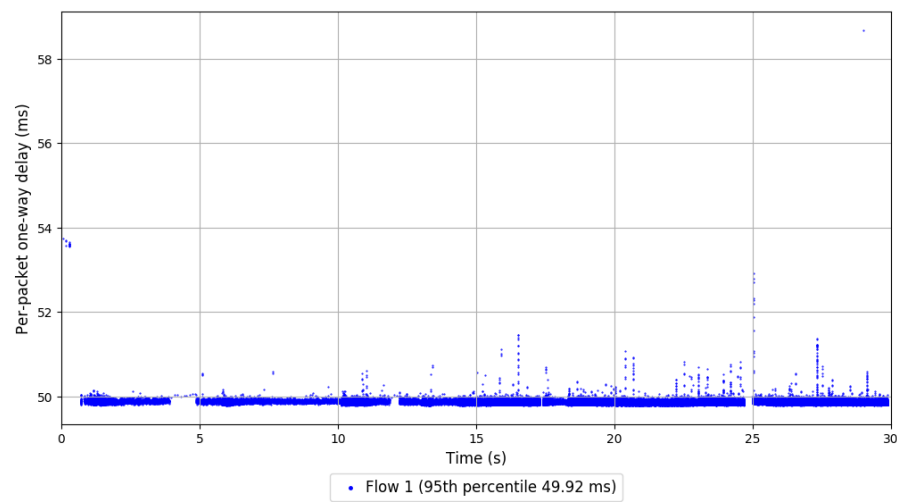
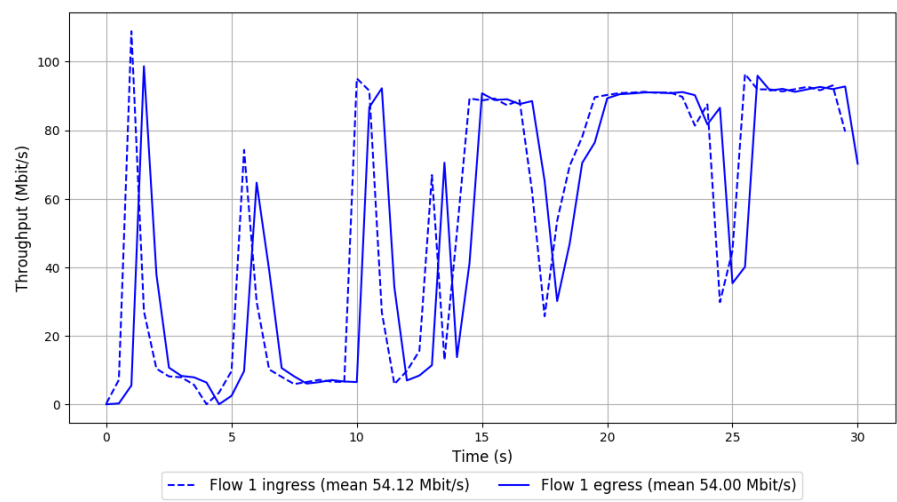
Average throughput: 54.00 Mbit/s

95th percentile per-packet one-way delay: 49.923 ms

Loss rate: 0.57%



Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-06 02:55:48

End at: 2018-07-06 02:56:18

Local clock offset: -0.164 ms

Remote clock offset: 0.238 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.47 Mbit/s

95th percentile per-packet one-way delay: 49.893 ms

Loss rate: 0.46%

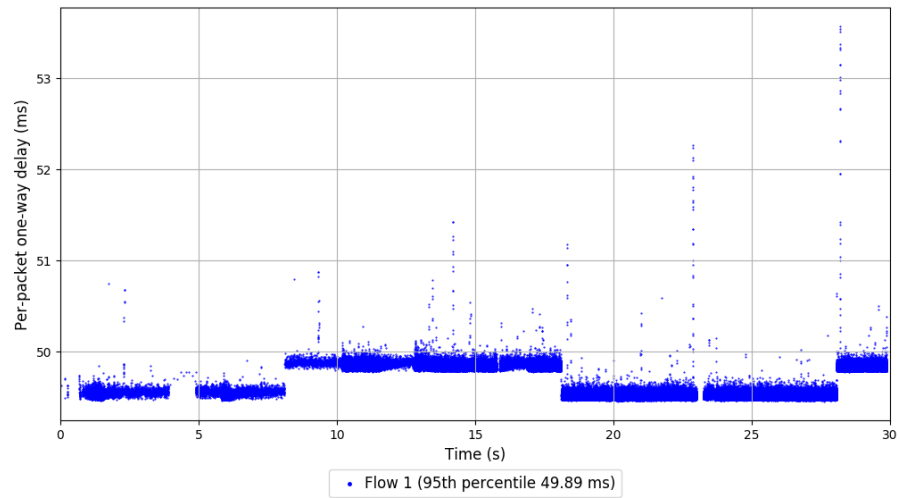
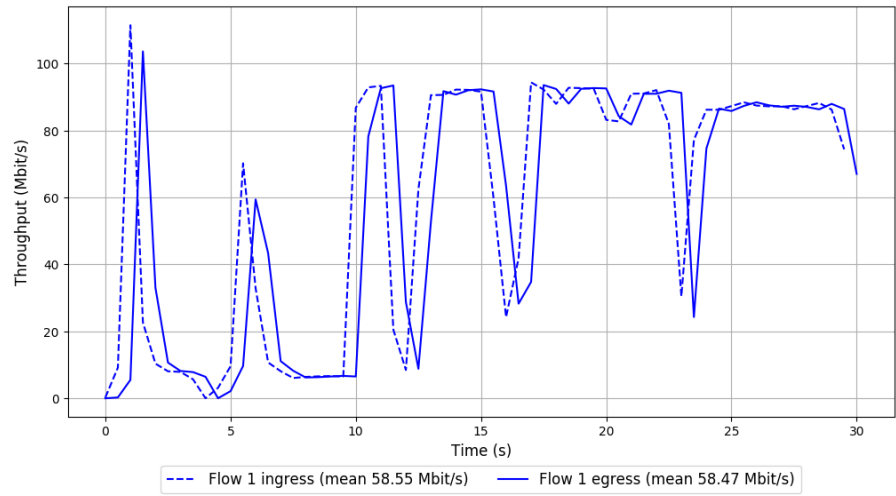
-- Flow 1:

Average throughput: 58.47 Mbit/s

95th percentile per-packet one-way delay: 49.893 ms

Loss rate: 0.46%

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



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-06 03:17:37

End at: 2018-07-06 03:18:07

Local clock offset: -0.043 ms

Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.45 Mbit/s

95th percentile per-packet one-way delay: 53.534 ms

Loss rate: 0.54%

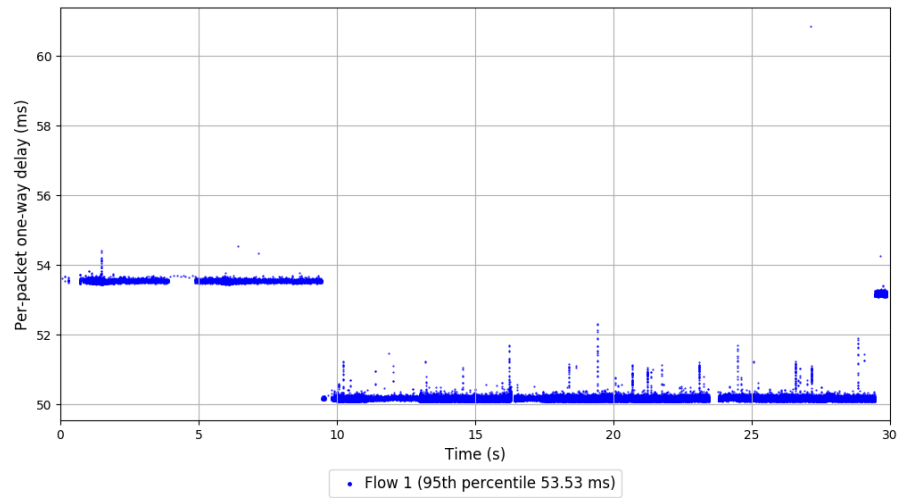
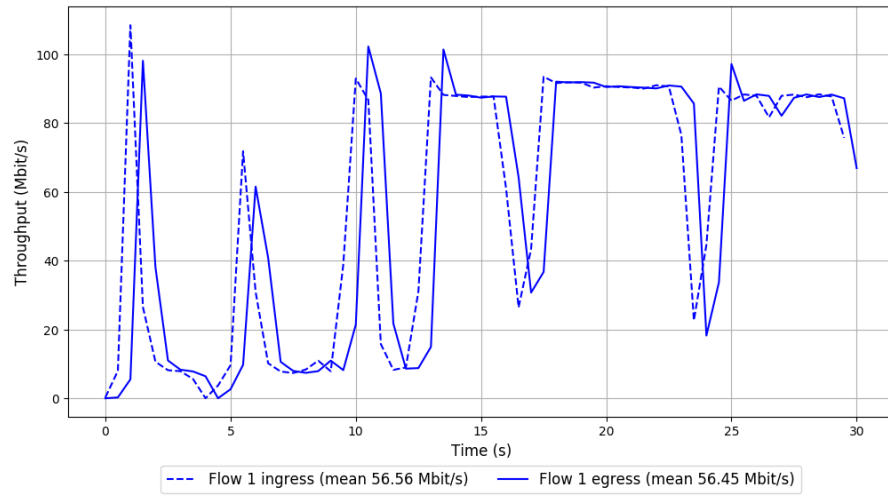
-- Flow 1:

Average throughput: 56.45 Mbit/s

95th percentile per-packet one-way delay: 53.534 ms

Loss rate: 0.54%

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



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-06 03:39:05

End at: 2018-07-06 03:39:35

Local clock offset: 0.056 ms

Remote clock offset: -1.308 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.41 Mbit/s

95th percentile per-packet one-way delay: 55.229 ms

Loss rate: 0.54%

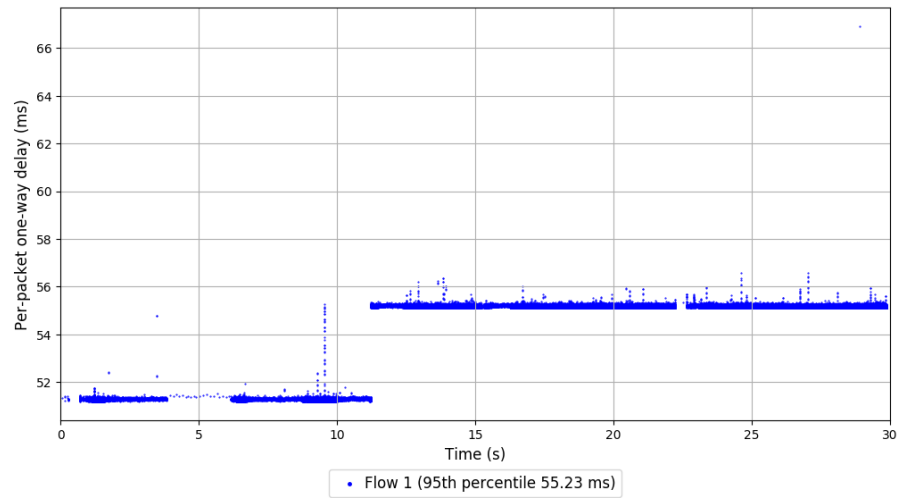
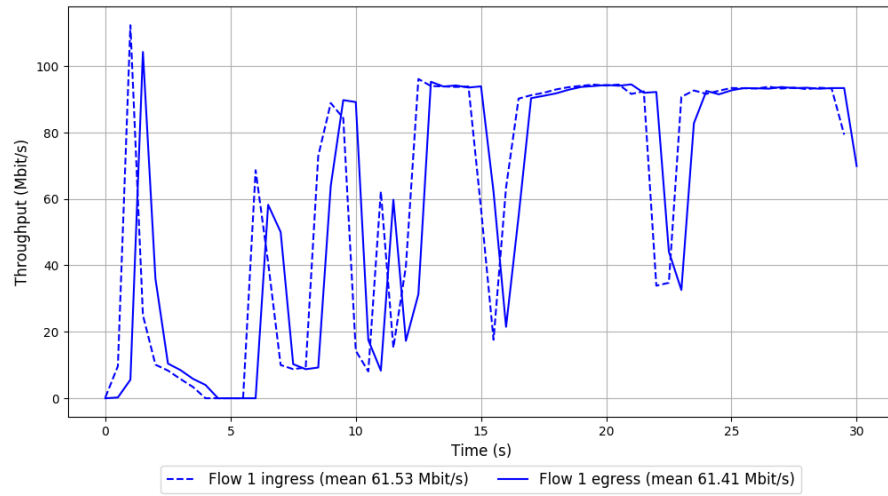
-- Flow 1:

Average throughput: 61.41 Mbit/s

95th percentile per-packet one-way delay: 55.229 ms

Loss rate: 0.54%

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



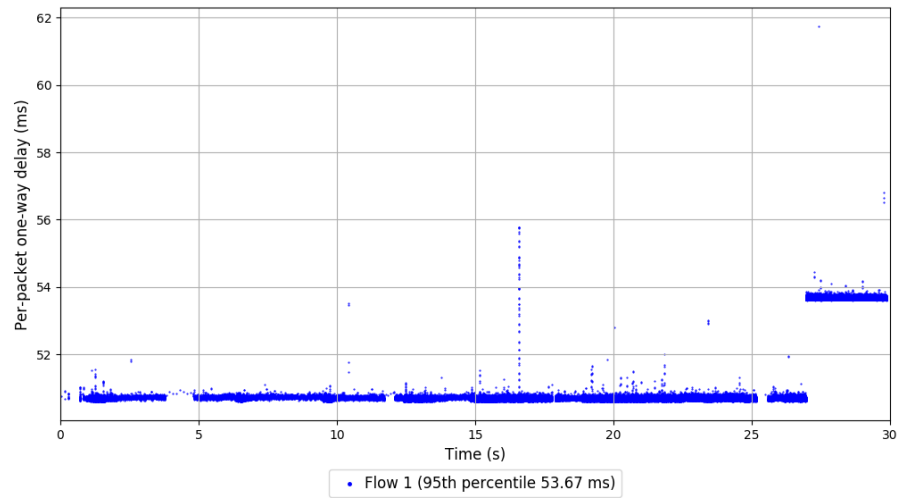
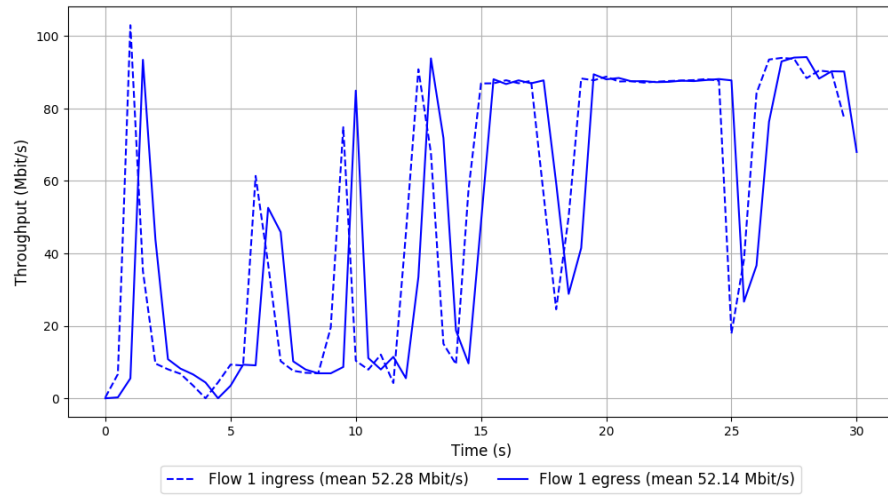
Run 7: Statistics of QUIC Cubic

Start at: 2018-07-06 04:00:59  
End at: 2018-07-06 04:01:29  
Local clock offset: -0.074 ms  
Remote clock offset: -0.205 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.14 Mbit/s  
95th percentile per-packet one-way delay: 53.674 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 52.14 Mbit/s  
95th percentile per-packet one-way delay: 53.674 ms  
Loss rate: 0.61%



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



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-06 04:22:54

End at: 2018-07-06 04:23:24

Local clock offset: -0.183 ms

Remote clock offset: 0.105 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.36 Mbit/s

95th percentile per-packet one-way delay: 53.397 ms

Loss rate: 0.53%

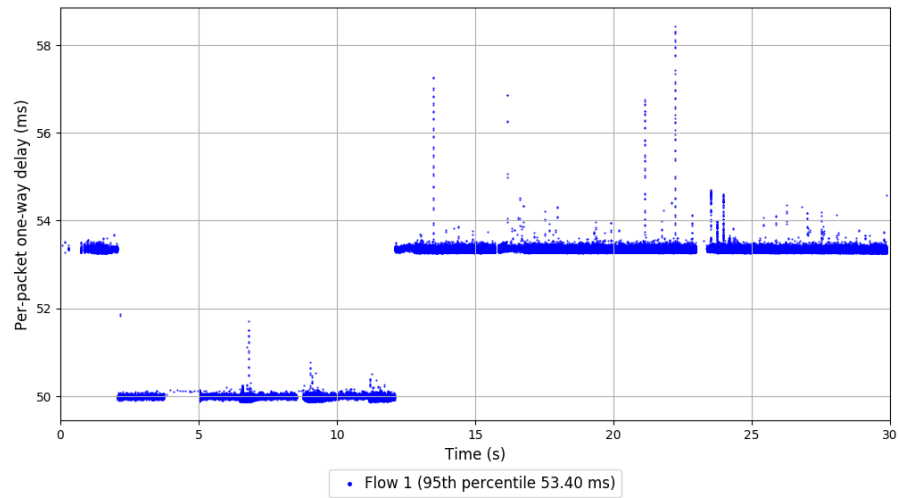
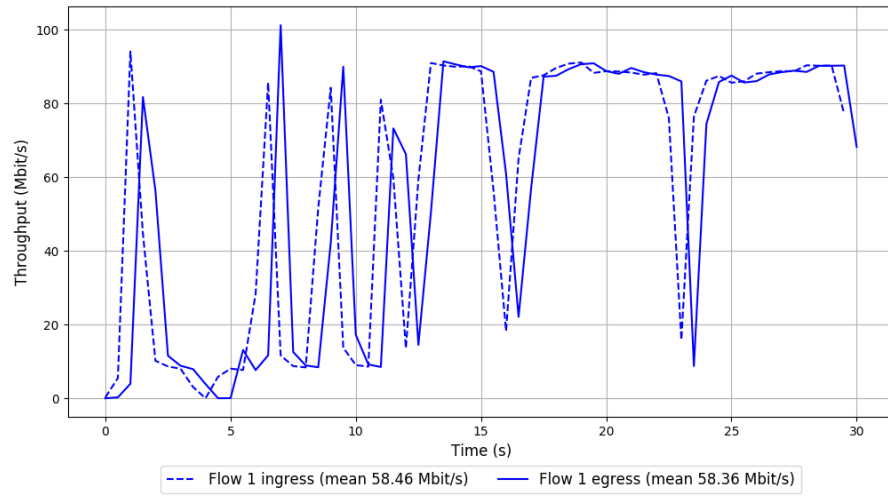
-- Flow 1:

Average throughput: 58.36 Mbit/s

95th percentile per-packet one-way delay: 53.397 ms

Loss rate: 0.53%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-06 04:44:34

End at: 2018-07-06 04:45:04

Local clock offset: 0.153 ms

Remote clock offset: 1.281 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 49.725 ms

Loss rate: 0.49%

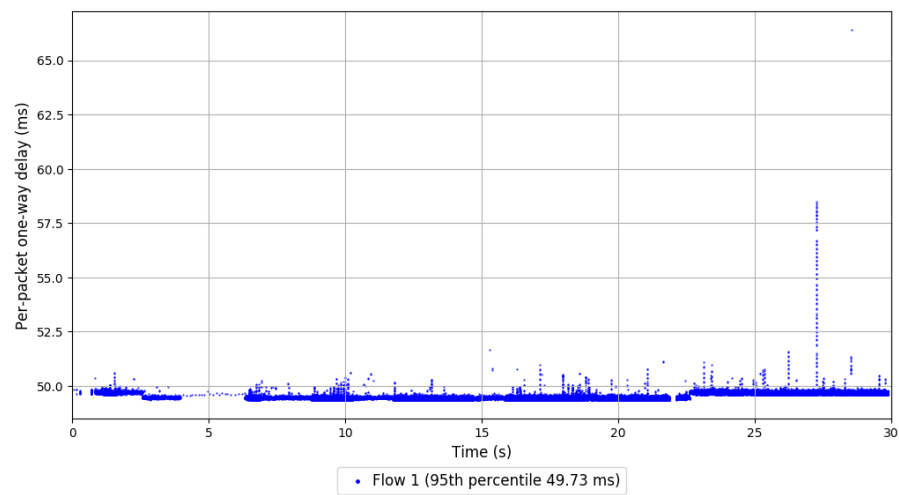
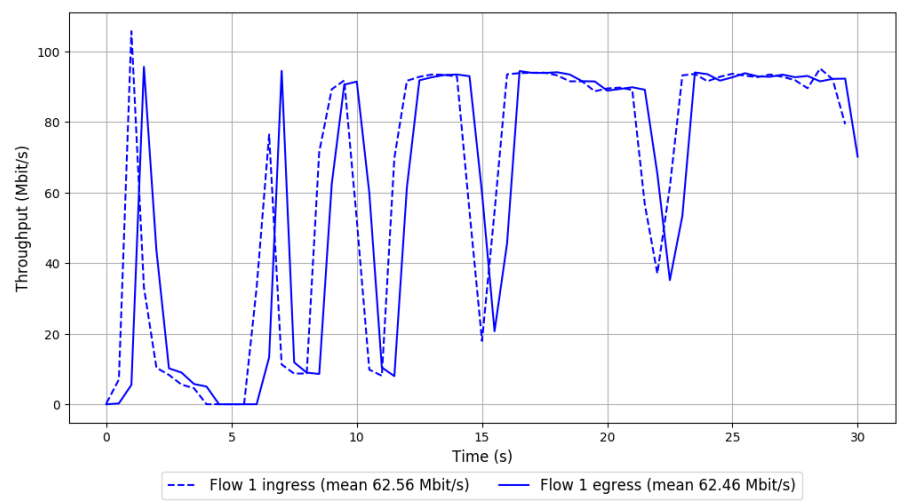
-- Flow 1:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 49.725 ms

Loss rate: 0.49%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-06 05:06:30

End at: 2018-07-06 05:07:00

Local clock offset: 0.145 ms

Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.84 Mbit/s

95th percentile per-packet one-way delay: 53.264 ms

Loss rate: 0.59%

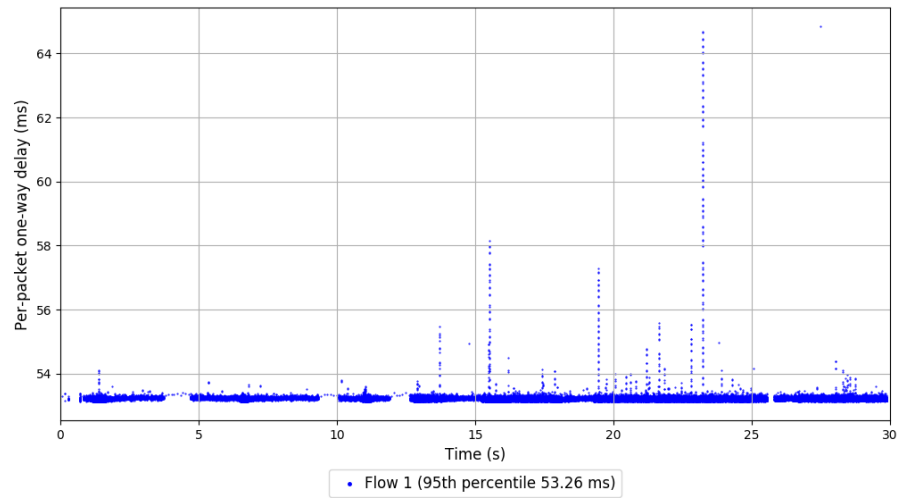
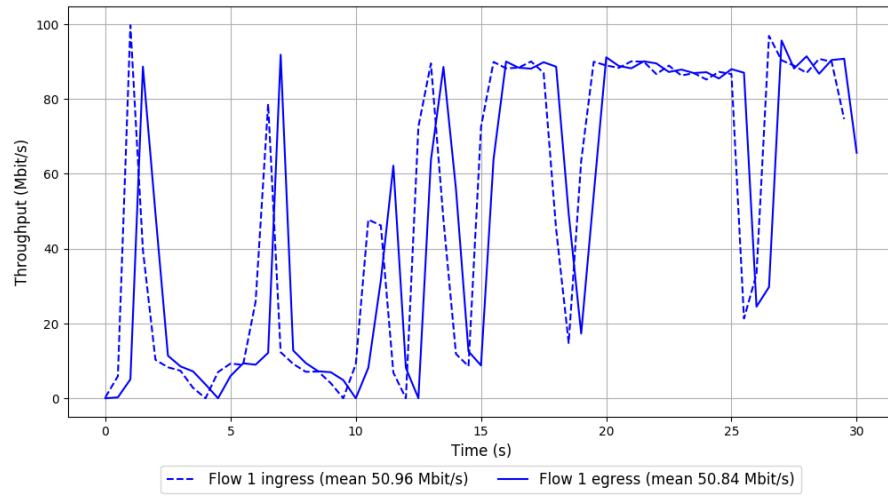
-- Flow 1:

Average throughput: 50.84 Mbit/s

95th percentile per-packet one-way delay: 53.264 ms

Loss rate: 0.59%

# Run 10: Report of QUIC Cubic — Data Link



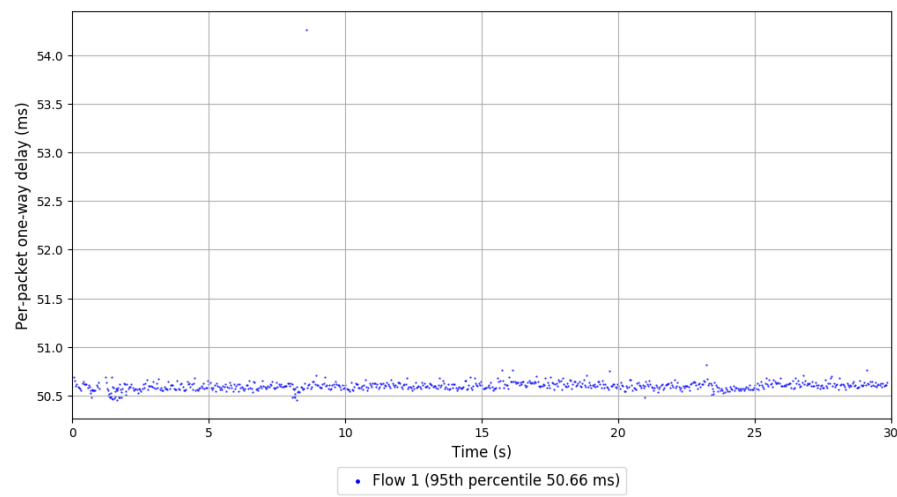
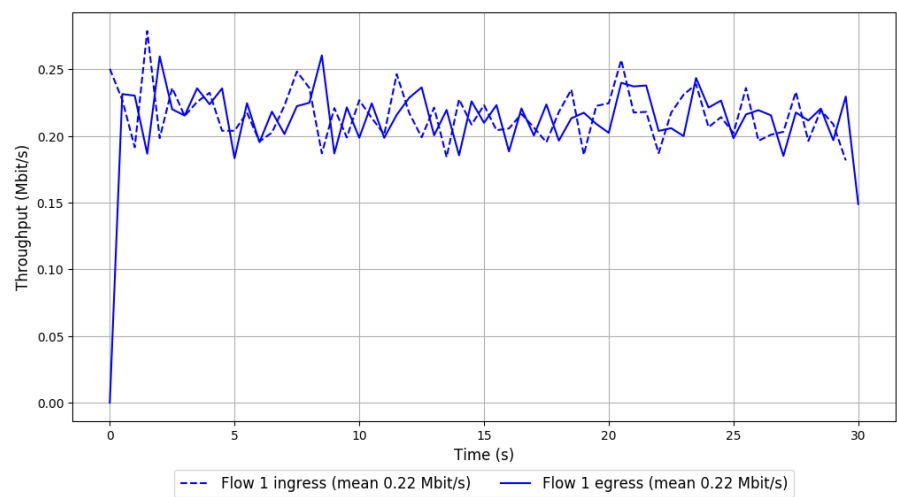
```
Run 1: Statistics of SCReAM

Start at: 2018-07-06 01:54:04
End at: 2018-07-06 01:54:34
Local clock offset: 0.066 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2018-07-06 06:47:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.662 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.662 ms
Loss rate: 0.38%
```



Run 1: Report of SReAM — Data Link

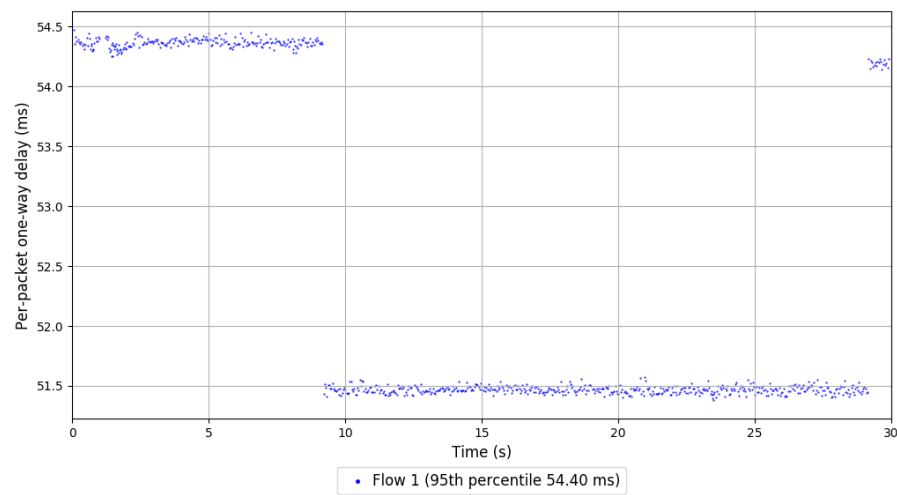
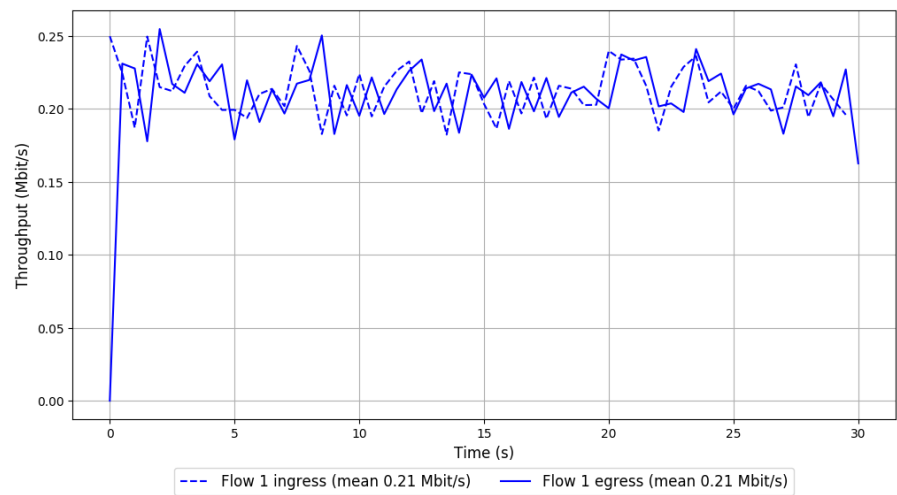


Run 2: Statistics of SCReAM

Start at: 2018-07-06 02:15:57  
End at: 2018-07-06 02:16:27  
Local clock offset: -0.203 ms  
Remote clock offset: -1.228 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 54.398 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 54.398 ms  
Loss rate: 0.39%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-06 02:37:30

End at: 2018-07-06 02:38:00

Local clock offset: -0.187 ms

Remote clock offset: 0.437 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.854 ms

Loss rate: 0.39%

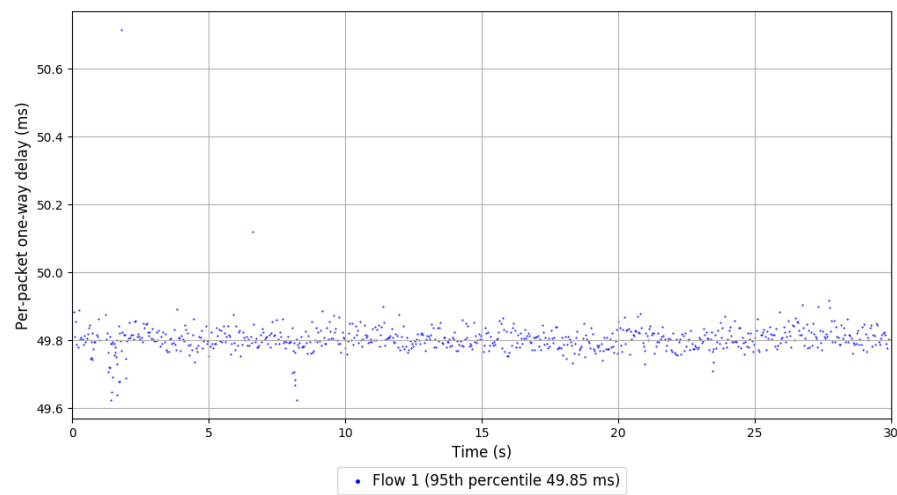
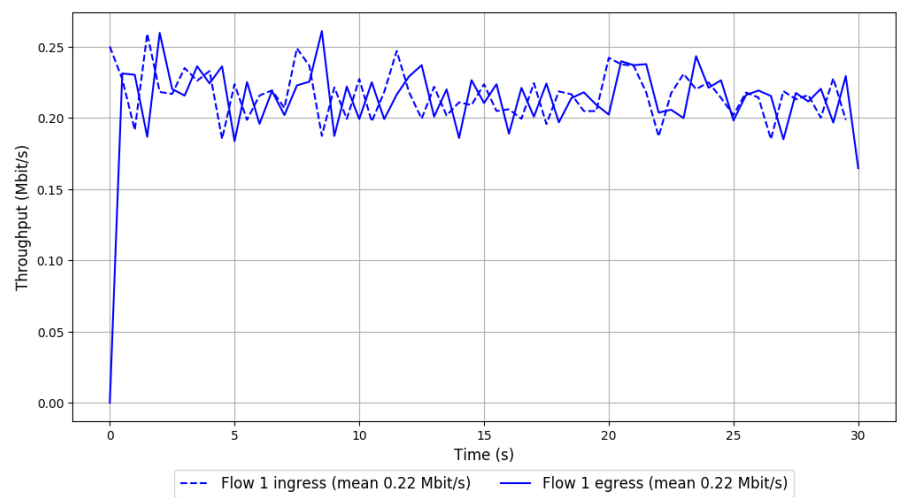
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.854 ms

Loss rate: 0.39%

Run 3: Report of SReAM — Data Link

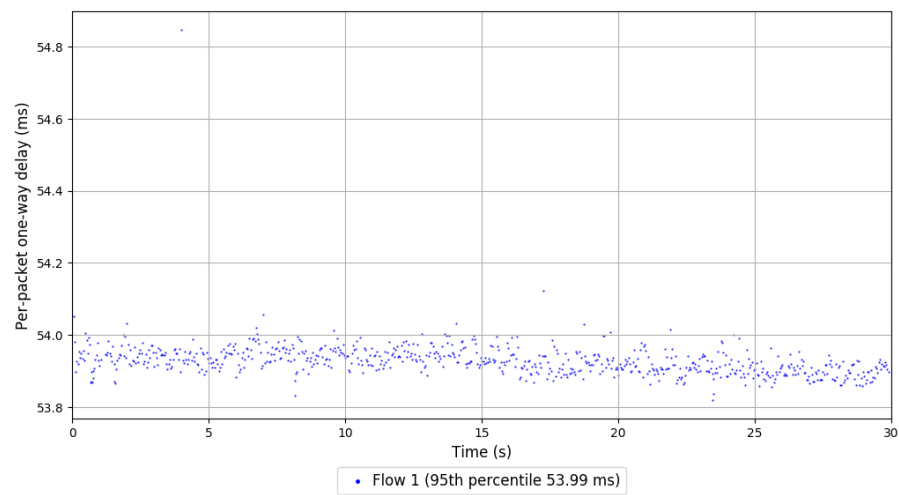
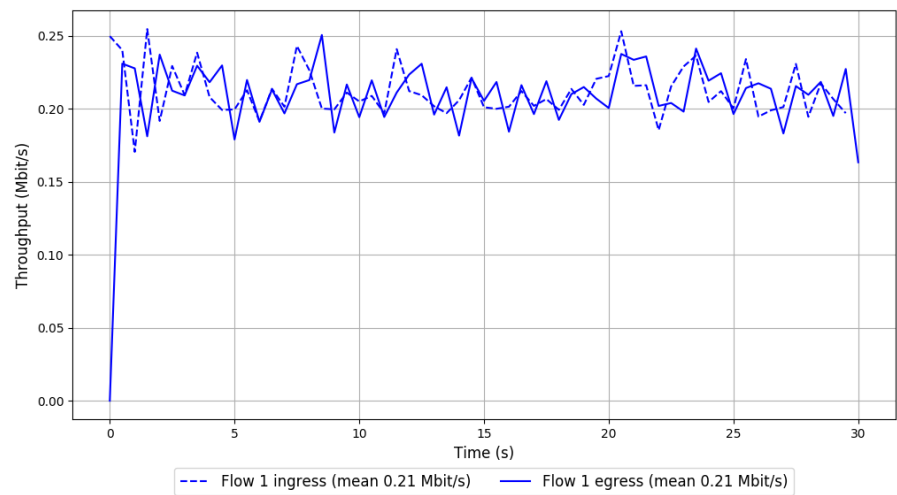


Run 4: Statistics of SCReAM

Start at: 2018-07-06 02:59:31  
End at: 2018-07-06 03:00:01  
Local clock offset: -0.04 ms  
Remote clock offset: -0.211 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 53.988 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 53.988 ms  
Loss rate: 0.39%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-06 03:21:21

End at: 2018-07-06 03:21:51

Local clock offset: -0.043 ms

Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.622 ms

Loss rate: 0.37%

-- Flow 1:

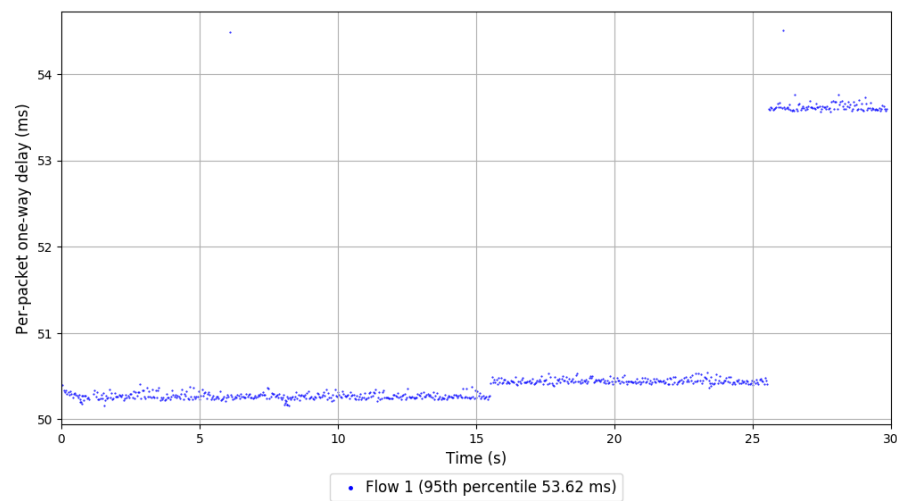
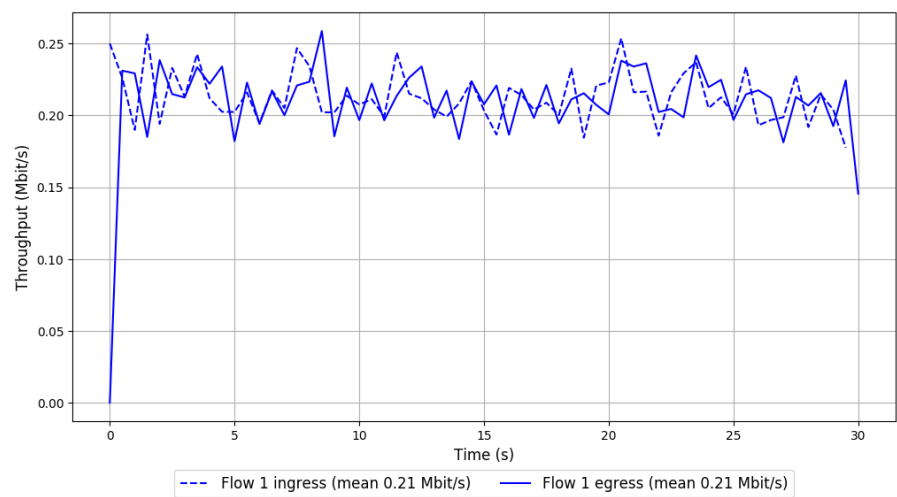
Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.622 ms

Loss rate: 0.37%



Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-06 03:42:48

End at: 2018-07-06 03:43:18

Local clock offset: -0.06 ms

Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.634 ms

Loss rate: 0.38%

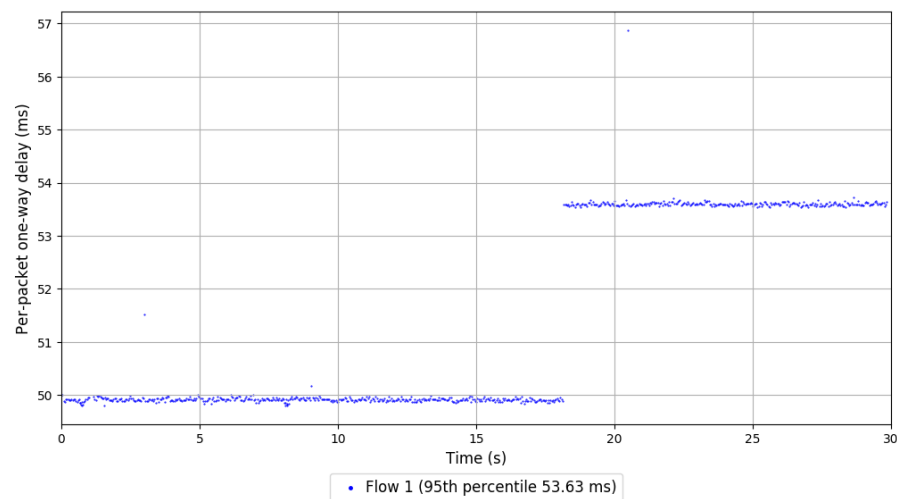
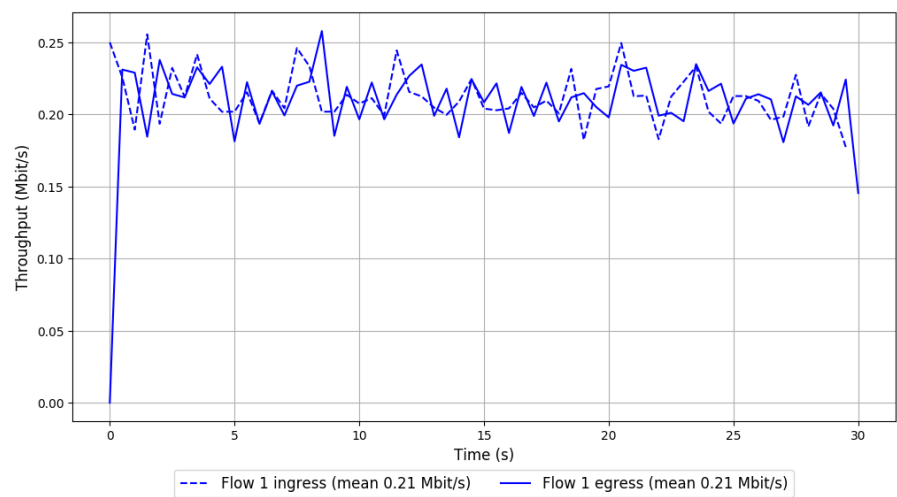
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.634 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

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

End at: 2018-07-06 04:05:12

Local clock offset: -0.14 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.054 ms

Loss rate: 0.26%

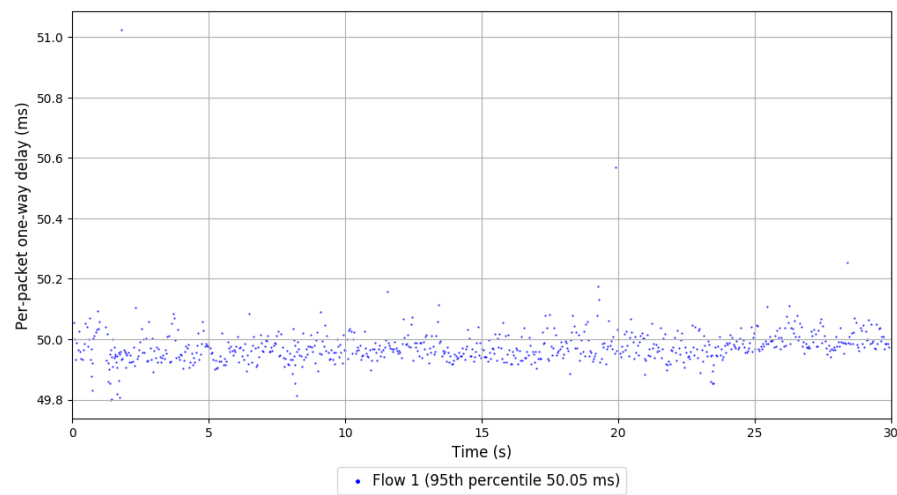
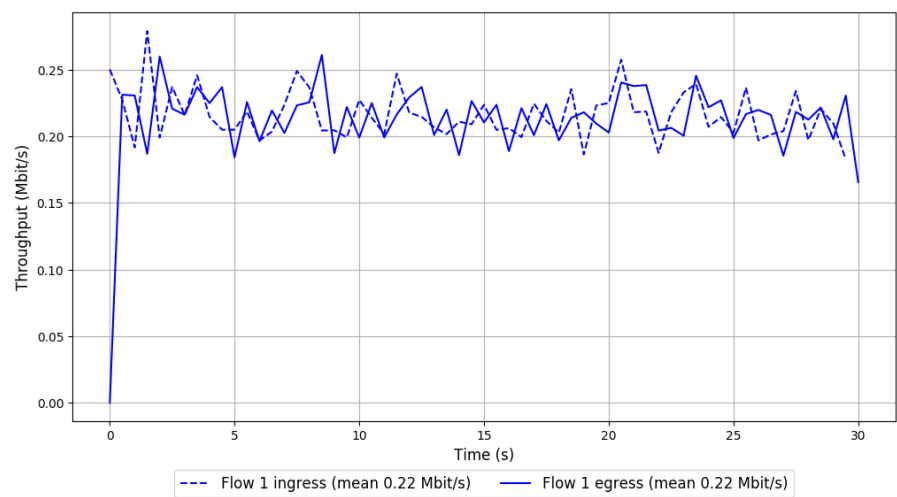
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.054 ms

Loss rate: 0.26%

Run 7: Report of SReAM — Data Link

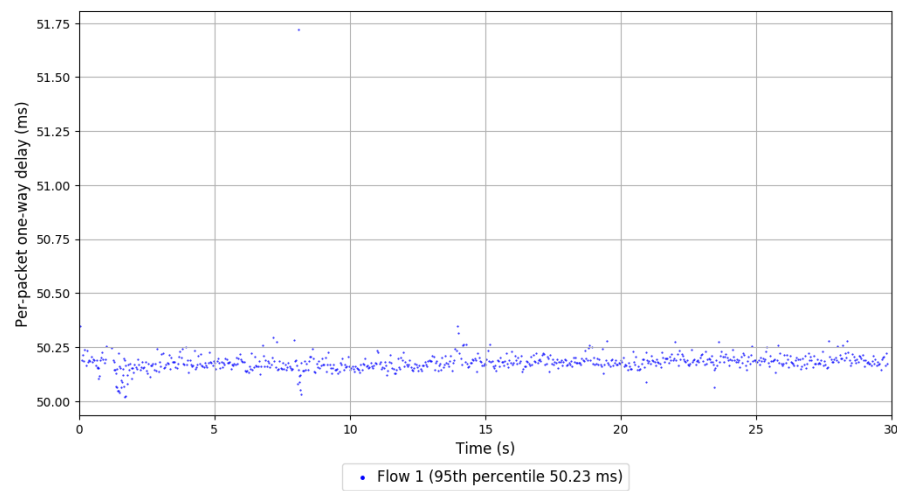
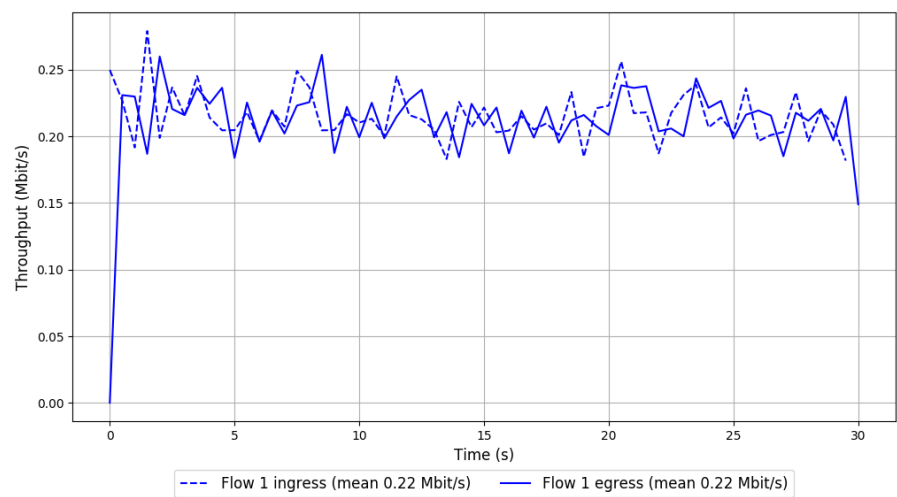


Run 8: Statistics of SCReAM

Start at: 2018-07-06 04:26:39  
End at: 2018-07-06 04:27:09  
Local clock offset: -0.215 ms  
Remote clock offset: -0.262 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.234 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.234 ms  
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-06 04:48:18

End at: 2018-07-06 04:48:48

Local clock offset: -0.159 ms

Remote clock offset: 1.363 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.394 ms

Loss rate: 0.39%

-- Flow 1:

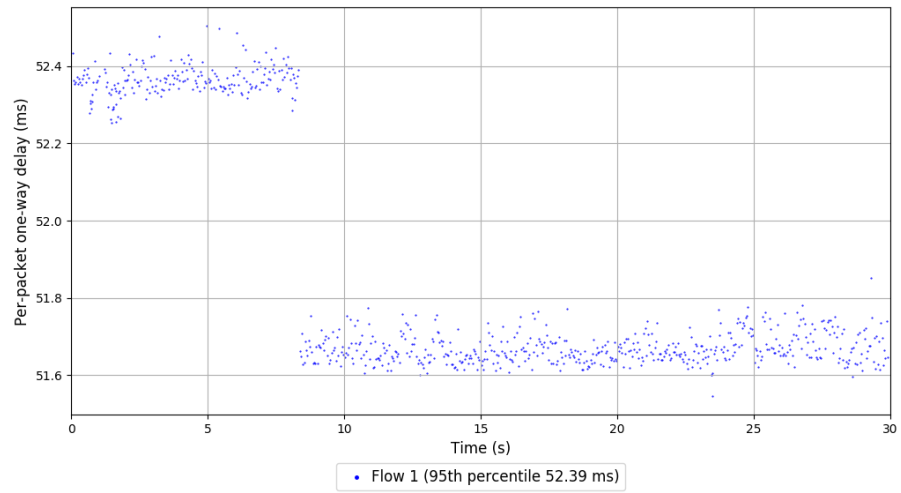
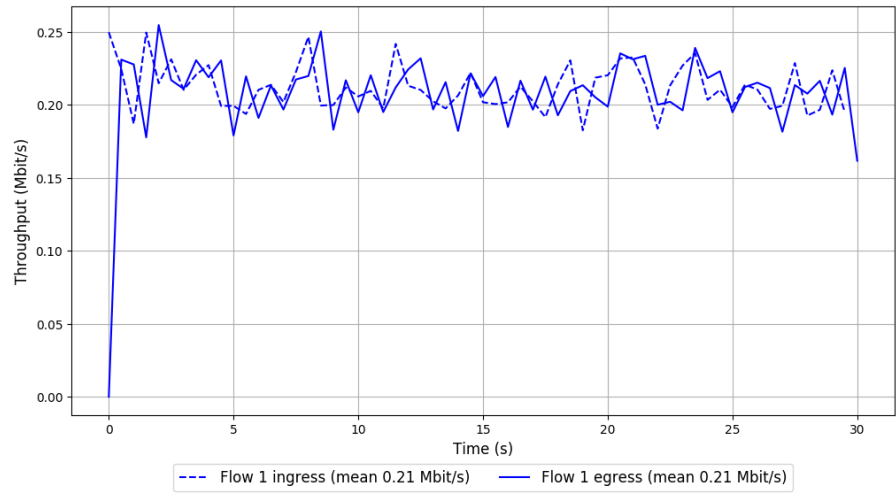
Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.394 ms

Loss rate: 0.39%



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



Run 10: Statistics of SReAM

Start at: 2018-07-06 05:10:12

End at: 2018-07-06 05:10:42

Local clock offset: 0.079 ms

Remote clock offset: 0.151 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.737 ms

Loss rate: 0.26%

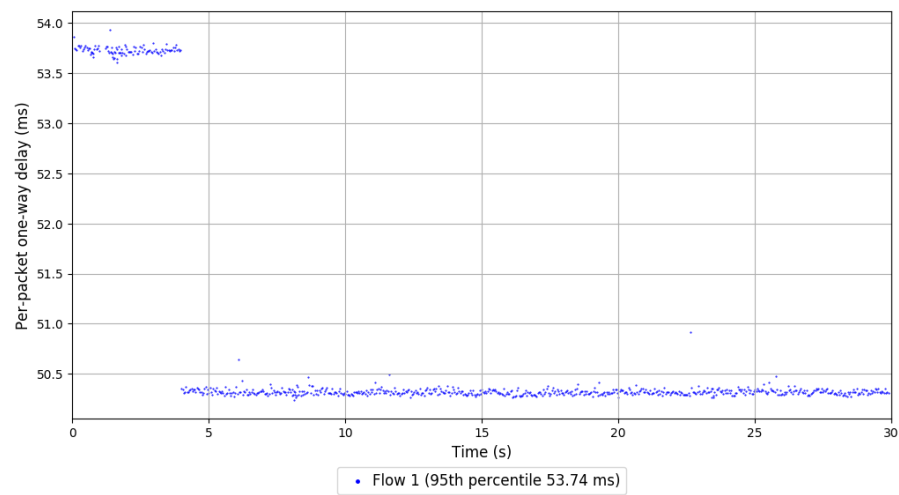
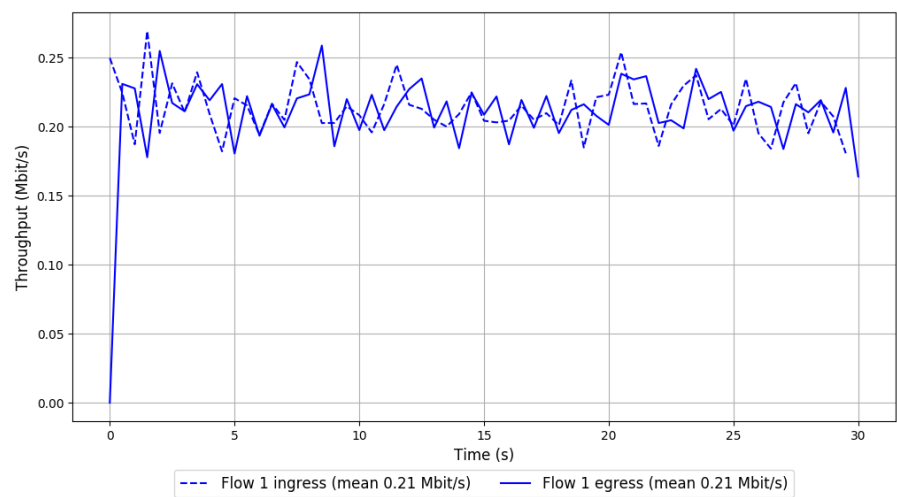
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.737 ms

Loss rate: 0.26%

Run 10: Report of SReAM — Data Link

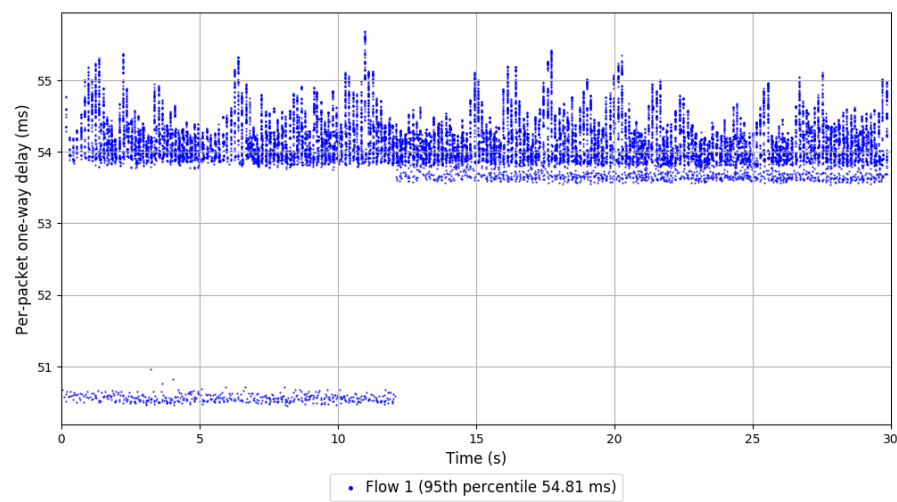
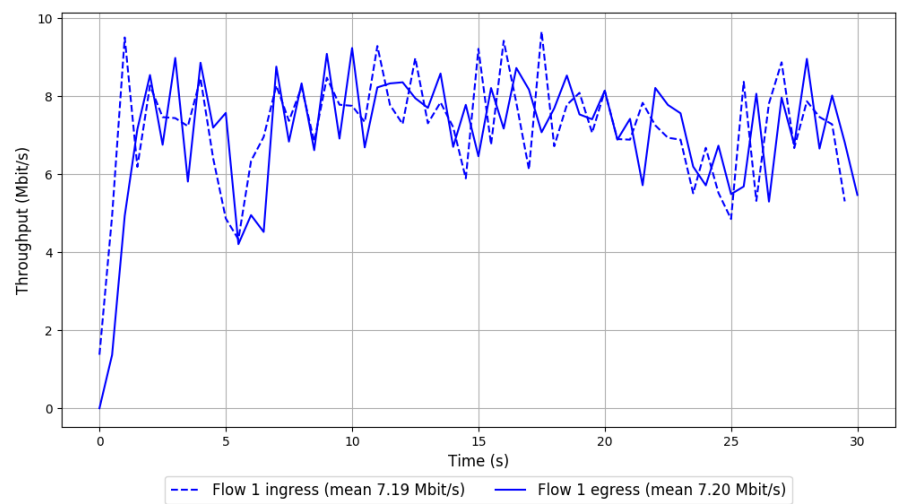


Run 1: Statistics of Sprout

Start at: 2018-07-06 01:49:14  
End at: 2018-07-06 01:49:44  
Local clock offset: -0.121 ms  
Remote clock offset: -0.185 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.20 Mbit/s  
95th percentile per-packet one-way delay: 54.808 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 7.20 Mbit/s  
95th percentile per-packet one-way delay: 54.808 ms  
Loss rate: 0.22%

Run 1: Report of Sprout — Data Link

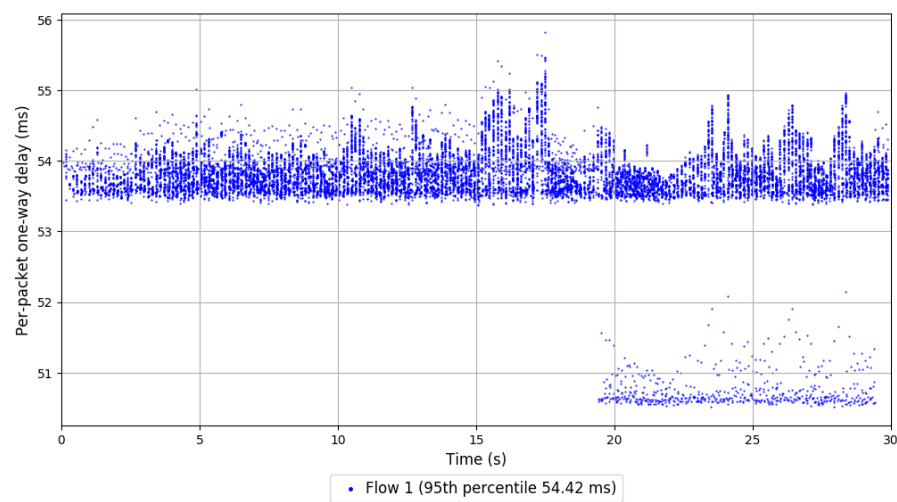
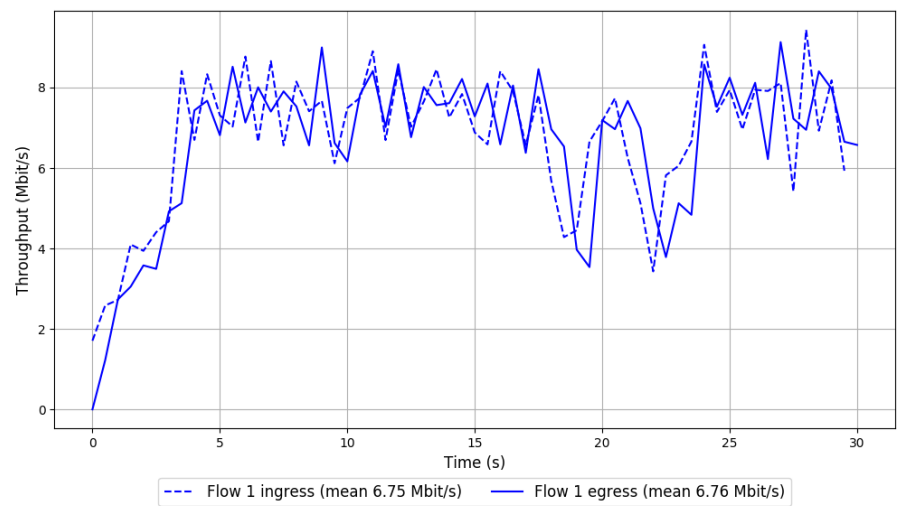


Run 2: Statistics of Sprout

Start at: 2018-07-06 02:11:07  
End at: 2018-07-06 02:11:37  
Local clock offset: 0.042 ms  
Remote clock offset: -0.323 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.76 Mbit/s  
95th percentile per-packet one-way delay: 54.416 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 6.76 Mbit/s  
95th percentile per-packet one-way delay: 54.416 ms  
Loss rate: 0.22%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-06 02:32:40

End at: 2018-07-06 02:33:10

Local clock offset: 0.031 ms

Remote clock offset: 1.439 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 52.714 ms

Loss rate: 0.81%

-- Flow 1:

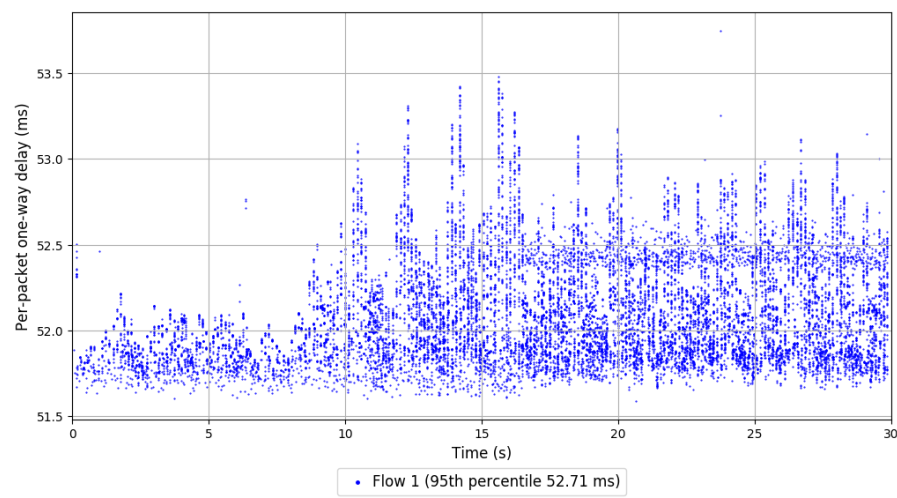
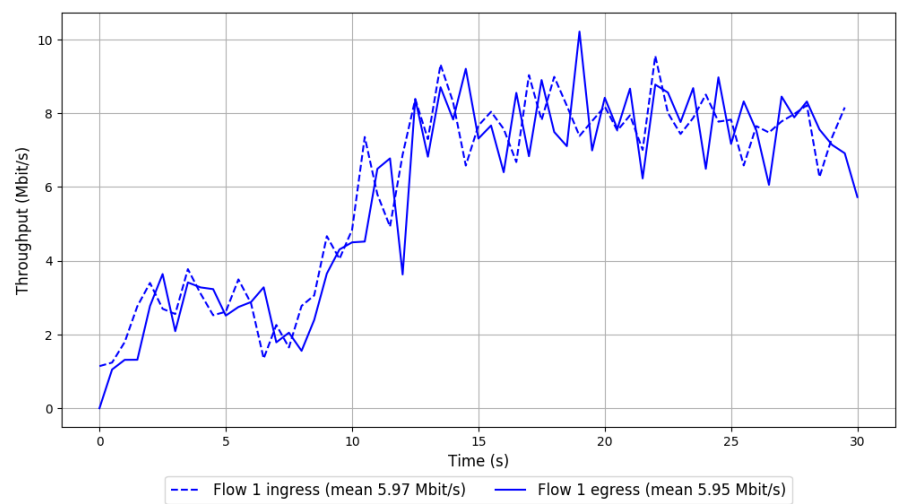
Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 52.714 ms

Loss rate: 0.81%



Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-06 02:54:42

End at: 2018-07-06 02:55:12

Local clock offset: 0.122 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 54.868 ms

Loss rate: 0.20%

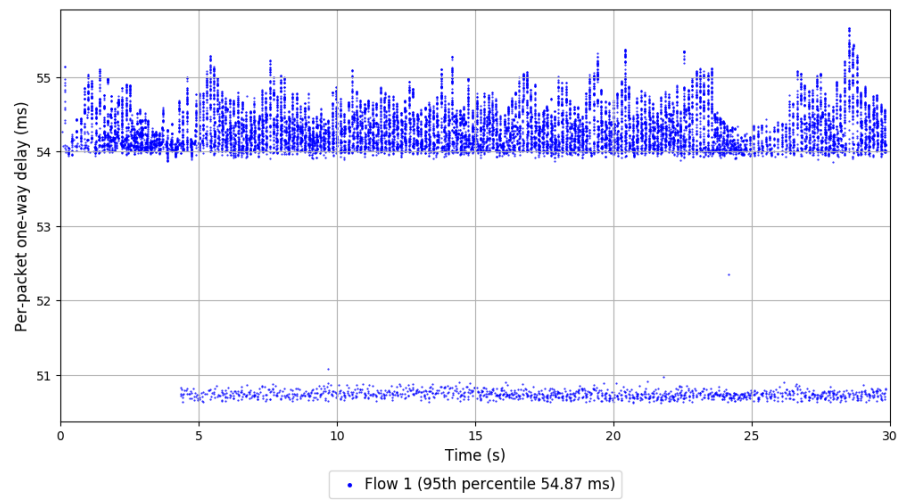
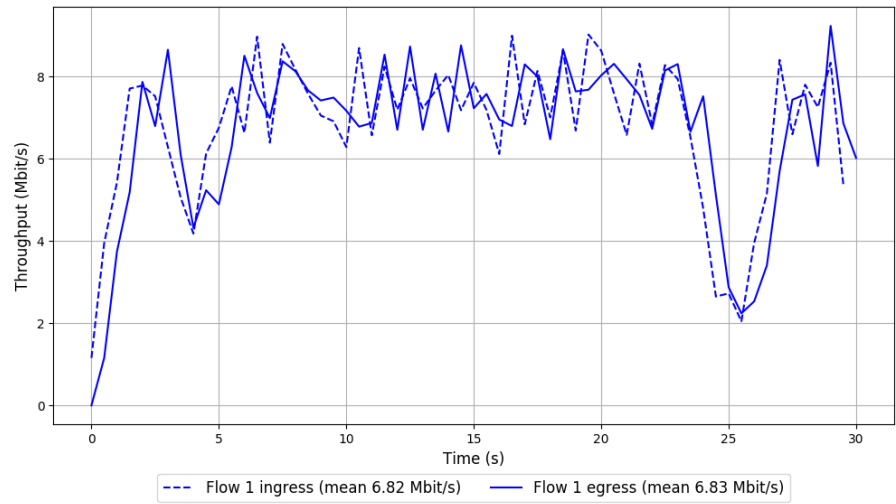
-- Flow 1:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 54.868 ms

Loss rate: 0.20%

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

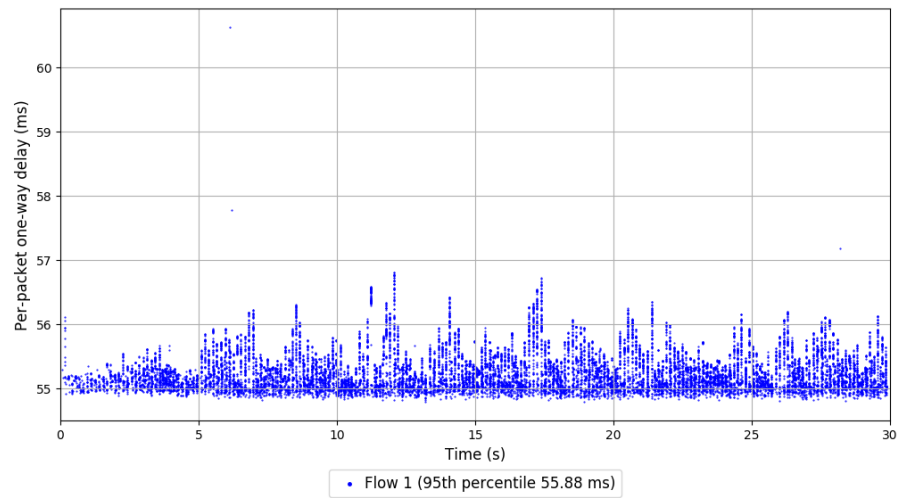
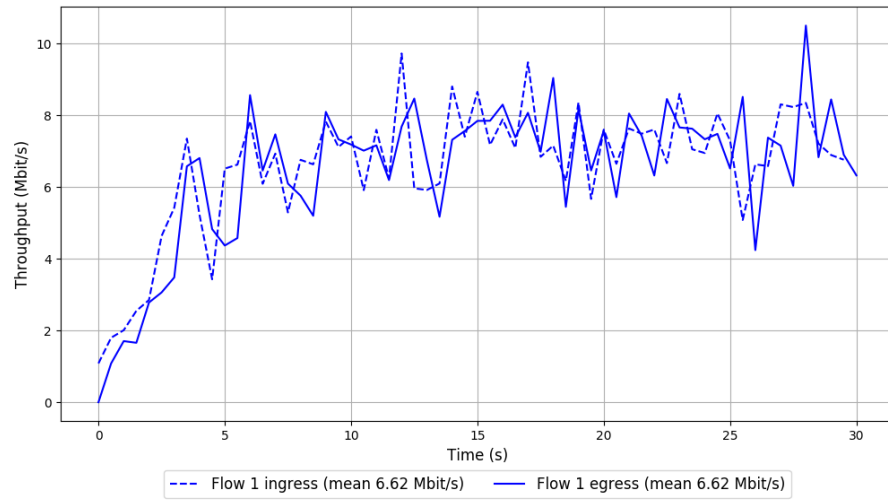


Run 5: Statistics of Sprout

Start at: 2018-07-06 03:16:31  
End at: 2018-07-06 03:17:01  
Local clock offset: -0.165 ms  
Remote clock offset: -1.471 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.62 Mbit/s  
95th percentile per-packet one-way delay: 55.885 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 6.62 Mbit/s  
95th percentile per-packet one-way delay: 55.885 ms  
Loss rate: 0.18%

## Run 5: Report of Sprout — Data Link

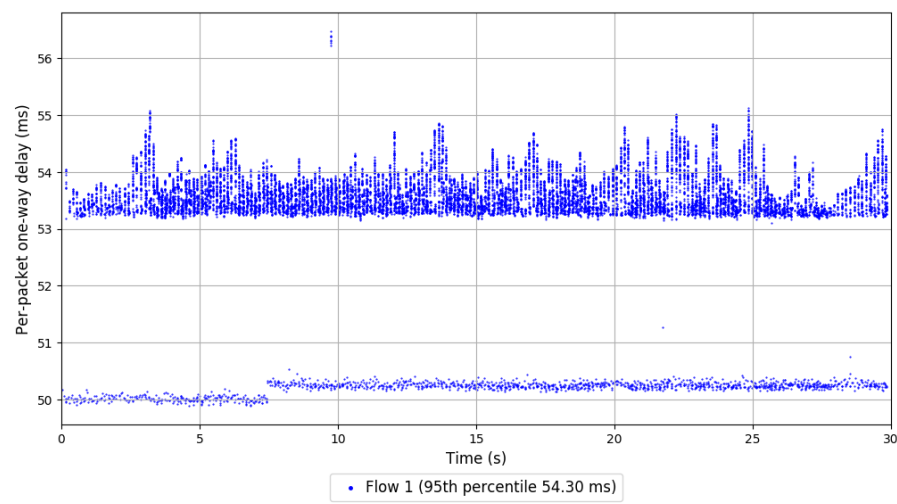
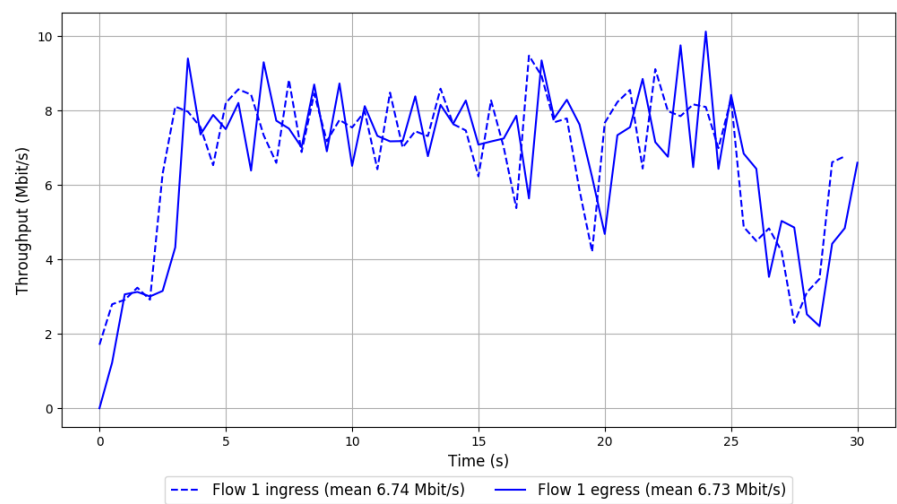


Run 6: Statistics of Sprout

Start at: 2018-07-06 03:37:59  
End at: 2018-07-06 03:38:29  
Local clock offset: -0.068 ms  
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.73 Mbit/s  
95th percentile per-packet one-way delay: 54.300 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 6.73 Mbit/s  
95th percentile per-packet one-way delay: 54.300 ms  
Loss rate: 0.48%

Run 6: Report of Sprout — Data Link



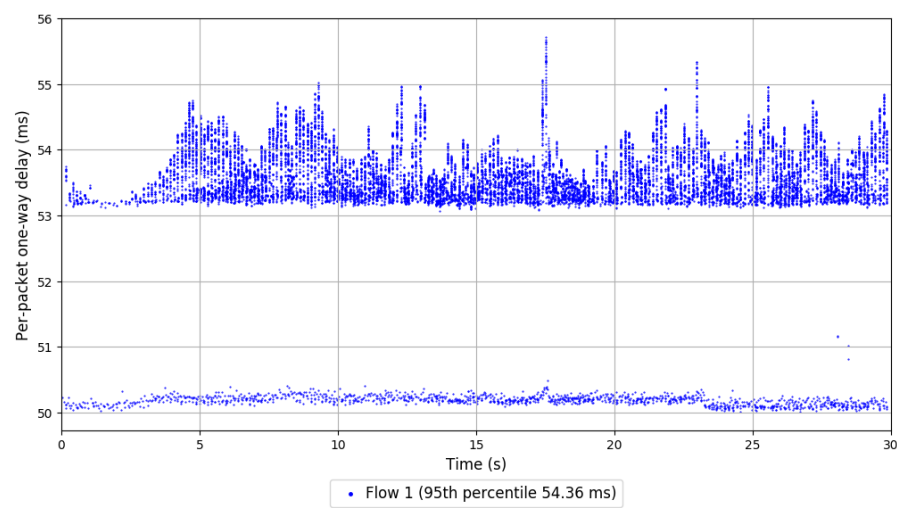
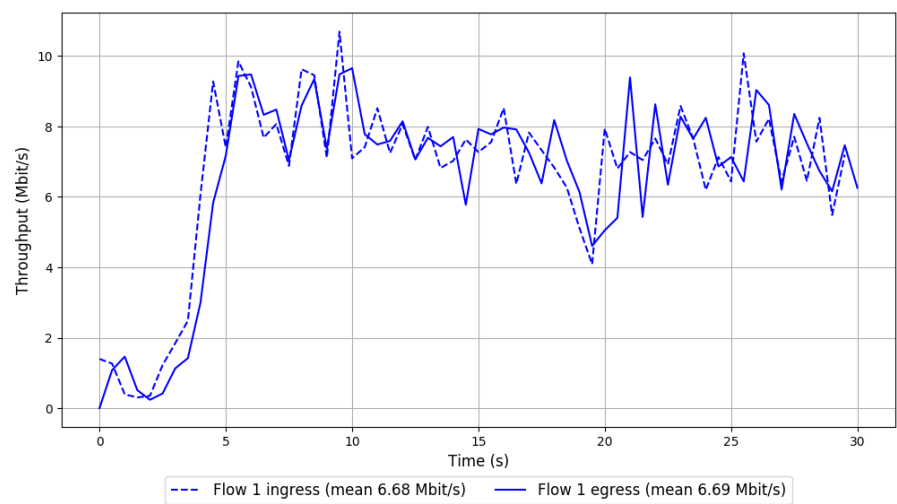
Run 7: Statistics of Sprout

Start at: 2018-07-06 03:59:53  
End at: 2018-07-06 04:00:23  
Local clock offset: -0.113 ms  
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-07-06 06:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.69 Mbit/s  
95th percentile per-packet one-way delay: 54.361 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 6.69 Mbit/s  
95th percentile per-packet one-way delay: 54.361 ms  
Loss rate: 0.26%



Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-06 04:21:48

End at: 2018-07-06 04:22:18

Local clock offset: -0.149 ms

Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2018-07-06 06:47:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 54.200 ms

Loss rate: 0.06%

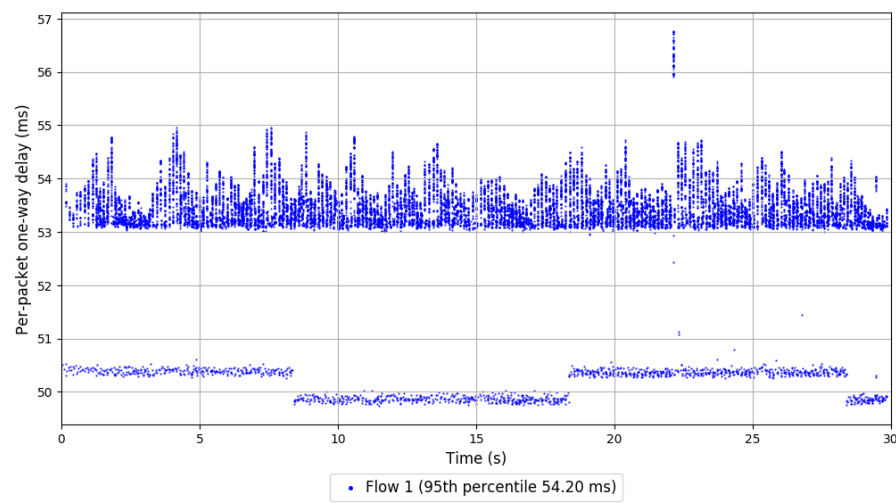
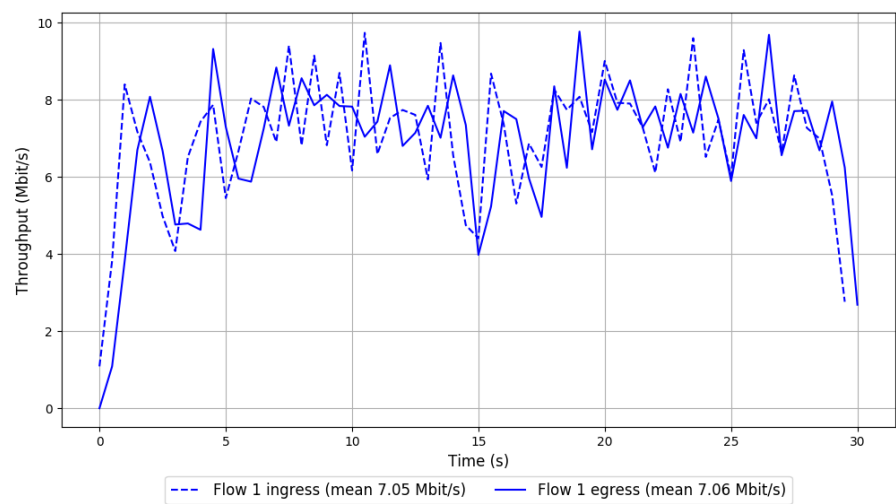
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 54.200 ms

Loss rate: 0.06%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-06 04:43:27

End at: 2018-07-06 04:43:57

Local clock offset: -0.089 ms

Remote clock offset: 1.306 ms

# Below is generated by plot.py at 2018-07-06 06:47:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.87 Mbit/s

95th percentile per-packet one-way delay: 52.699 ms

Loss rate: 0.36%

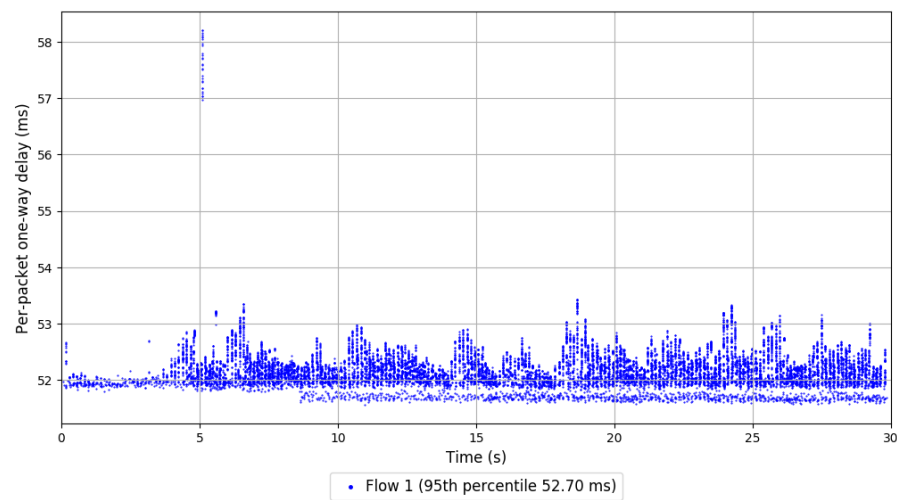
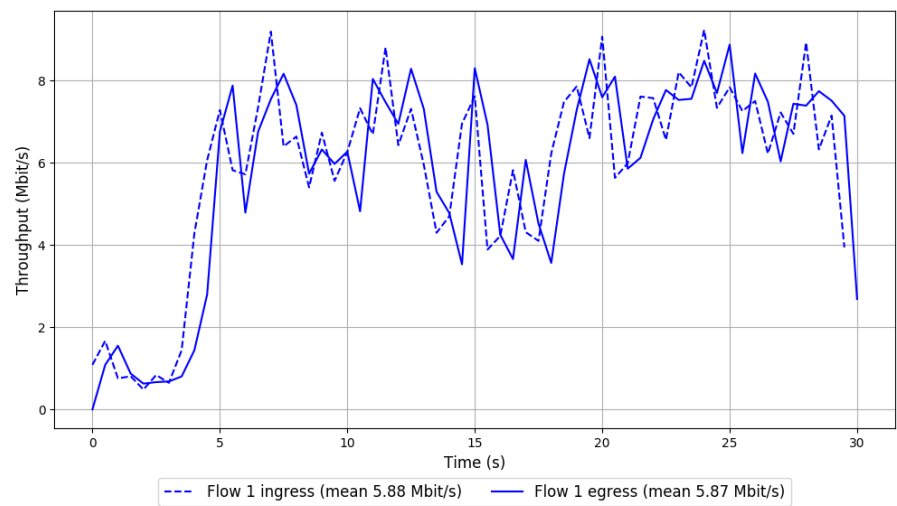
-- Flow 1:

Average throughput: 5.87 Mbit/s

95th percentile per-packet one-way delay: 52.699 ms

Loss rate: 0.36%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-06 05:05:24

End at: 2018-07-06 05:05:54

Local clock offset: -0.012 ms

Remote clock offset: 1.232 ms

# Below is generated by plot.py at 2018-07-06 06:47:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 53.056 ms

Loss rate: 0.16%

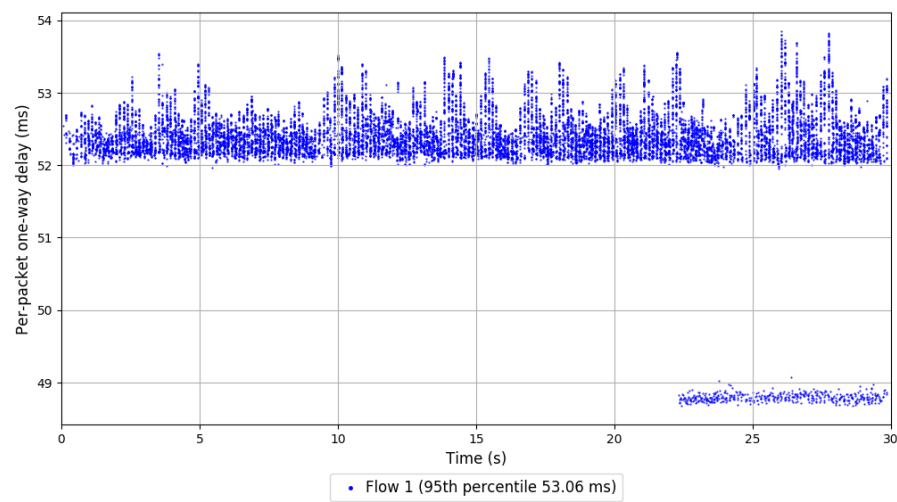
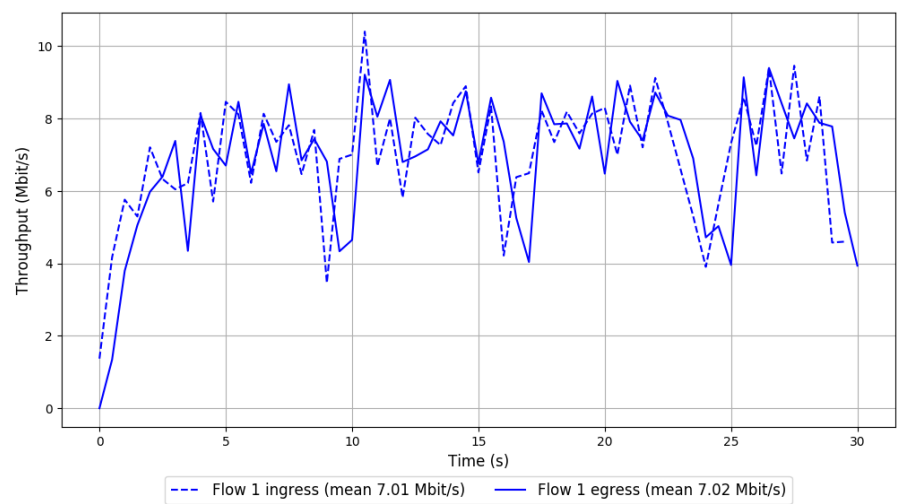
-- Flow 1:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 53.056 ms

Loss rate: 0.16%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-06 01:38:34

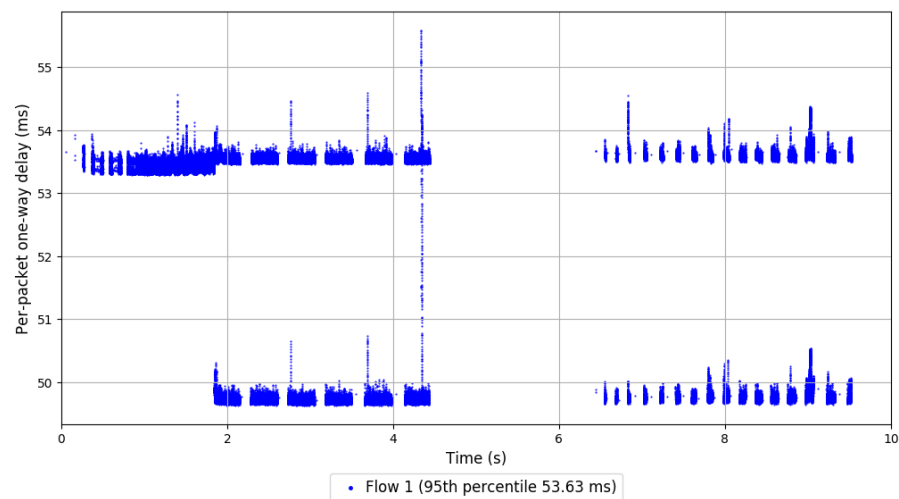
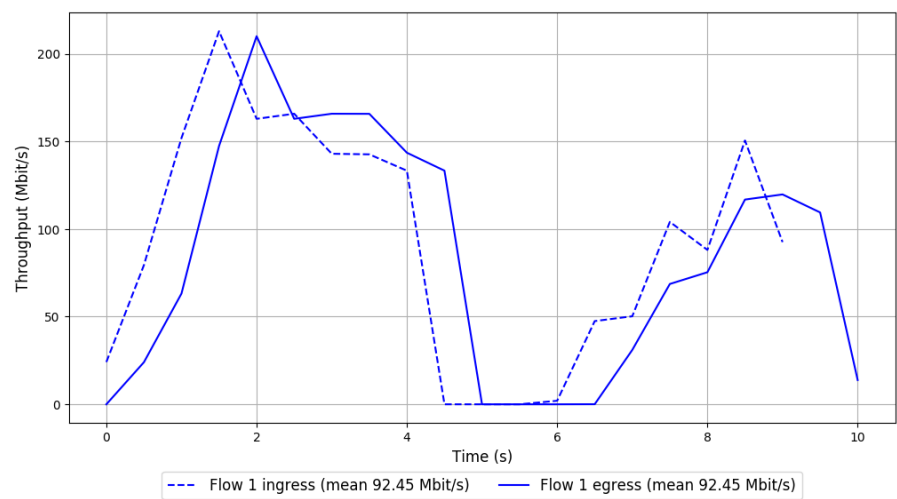
End at: 2018-07-06 01:39:04

Local clock offset: -0.028 ms

Remote clock offset: 0.108 ms



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-06 02:00:23

End at: 2018-07-06 02:00:53

Local clock offset: -0.082 ms

Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-07-06 06:52:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 253.17 Mbit/s

95th percentile per-packet one-way delay: 54.002 ms

Loss rate: 0.35%

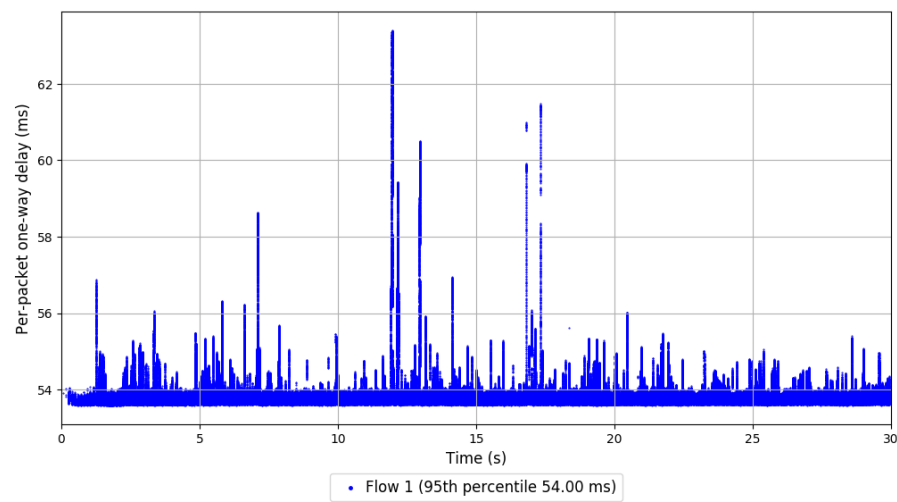
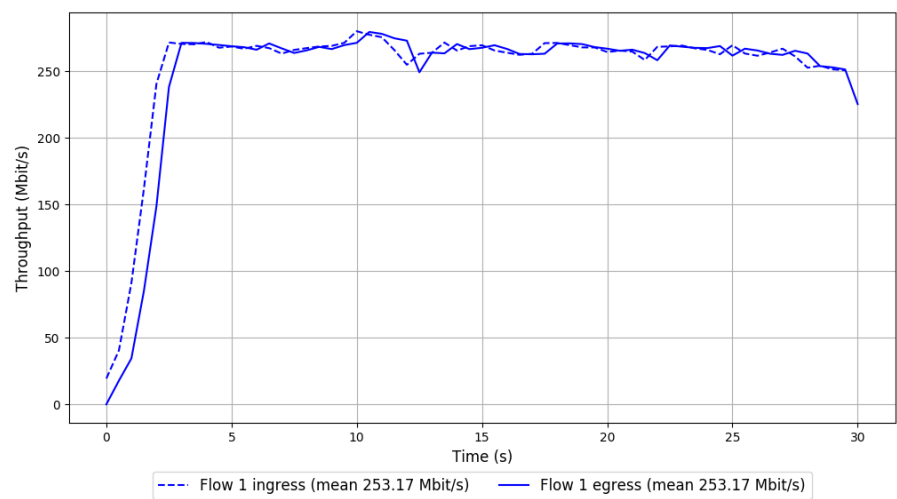
-- Flow 1:

Average throughput: 253.17 Mbit/s

95th percentile per-packet one-way delay: 54.002 ms

Loss rate: 0.35%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-06 02:22:24

End at: 2018-07-06 02:22:54

Local clock offset: 0.111 ms

Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2018-07-06 06:52:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 125.31 Mbit/s

95th percentile per-packet one-way delay: 53.572 ms

Loss rate: 0.76%

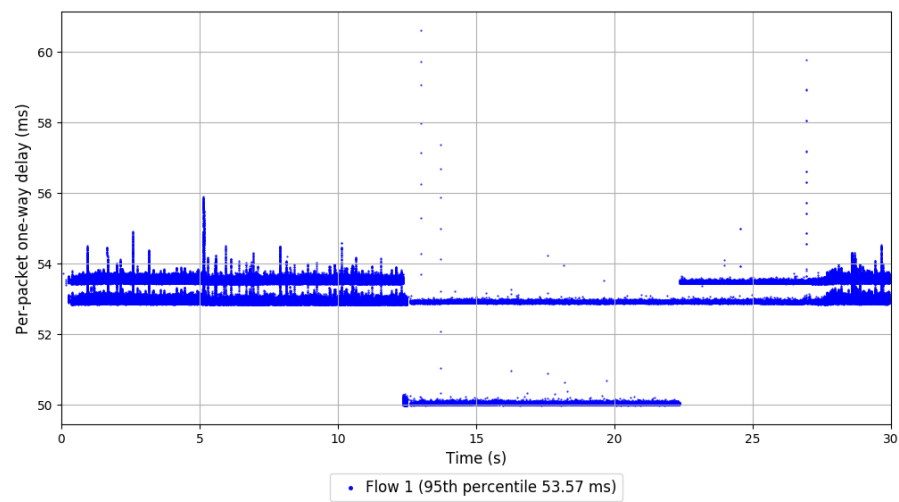
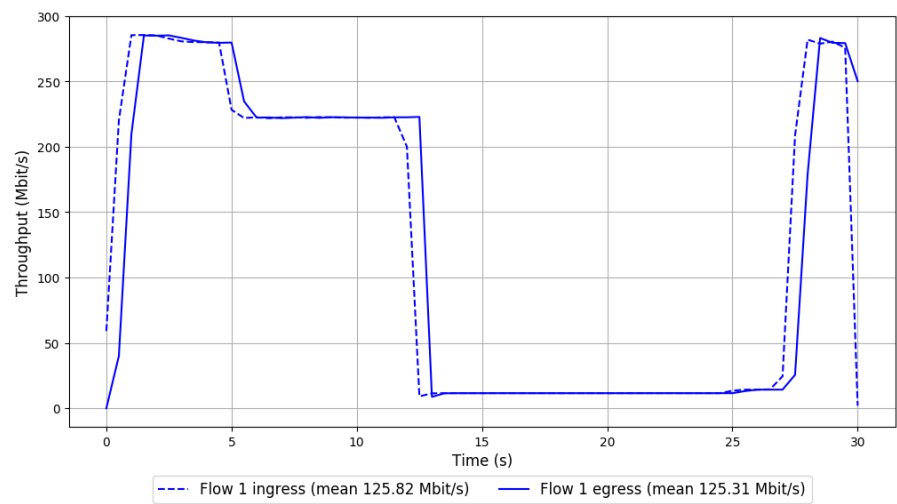
-- Flow 1:

Average throughput: 125.31 Mbit/s

95th percentile per-packet one-way delay: 53.572 ms

Loss rate: 0.76%

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



Run 4: Statistics of TaoVA-100x

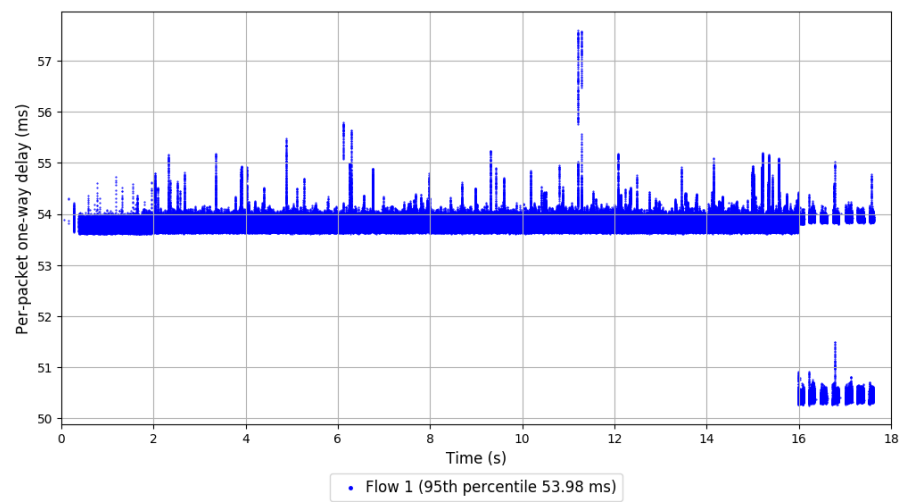
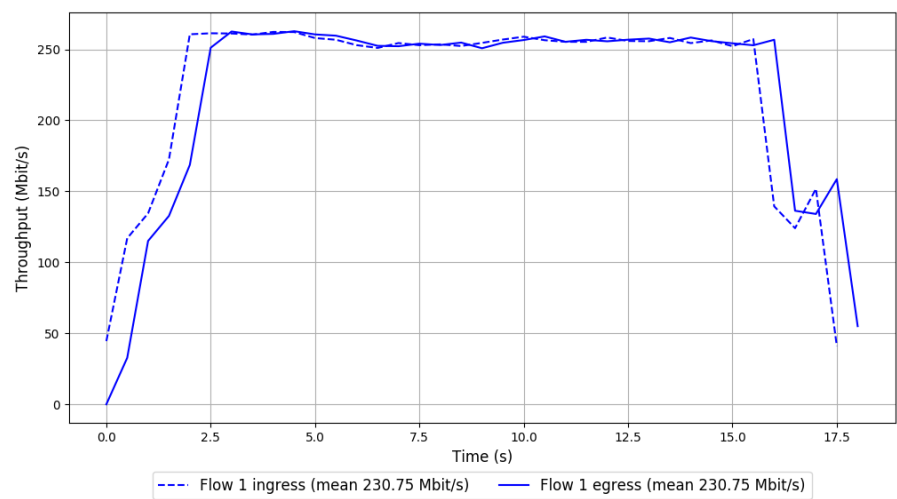
Start at: 2018-07-06 02:44:00

End at: 2018-07-06 02:44:30

Local clock offset: -0.07 ms

Remote clock offset: -0.151 ms

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-06 03:05:55

End at: 2018-07-06 03:06:25

Local clock offset: 0.203 ms

Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-07-06 06:52:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 247.24 Mbit/s

95th percentile per-packet one-way delay: 54.135 ms

Loss rate: 0.31%

-- Flow 1:

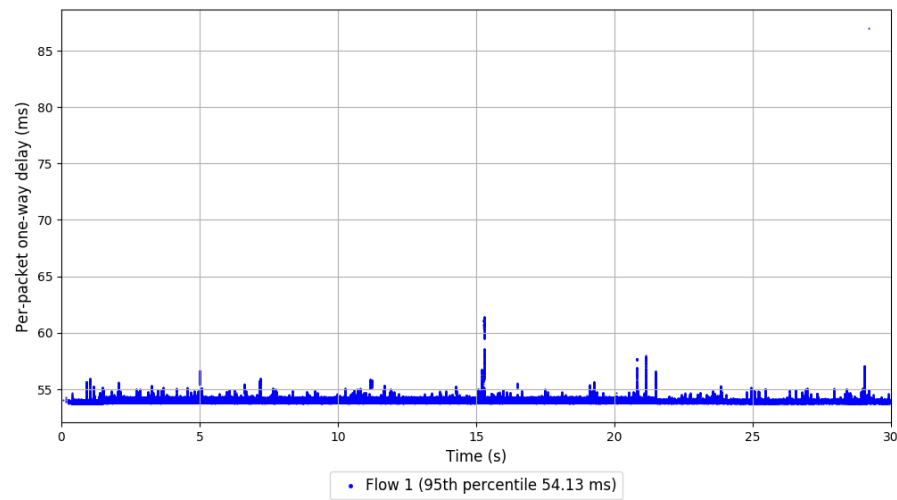
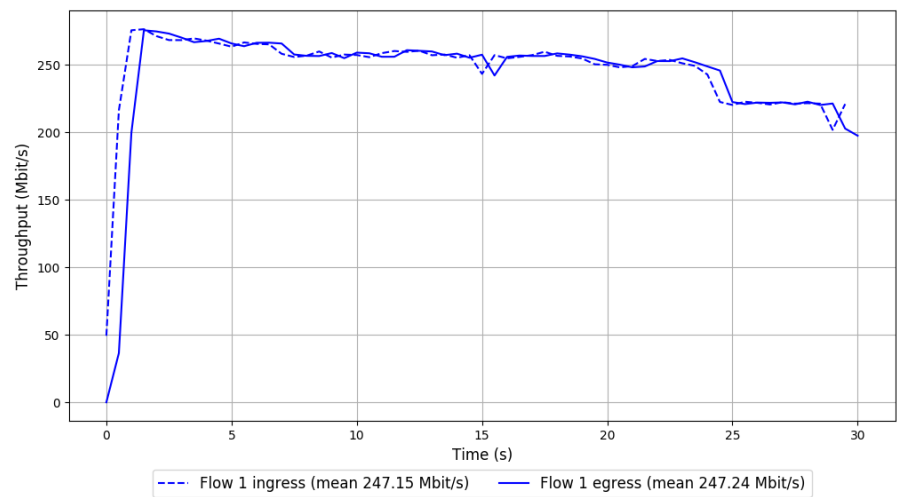
Average throughput: 247.24 Mbit/s

95th percentile per-packet one-way delay: 54.135 ms

Loss rate: 0.31%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-06 03:27:45

End at: 2018-07-06 03:28:15

Local clock offset: -0.011 ms

Remote clock offset: 0.255 ms

# Below is generated by plot.py at 2018-07-06 06:52:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.73 Mbit/s

95th percentile per-packet one-way delay: 53.345 ms

Loss rate: 0.30%

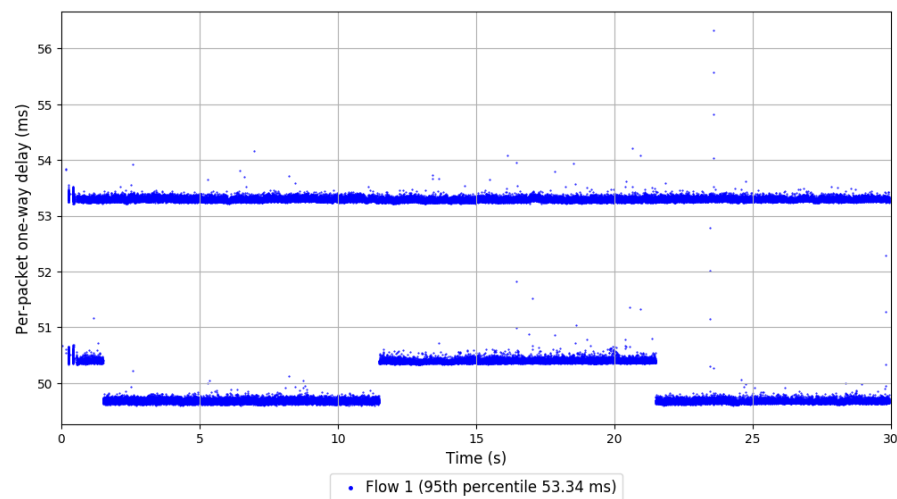
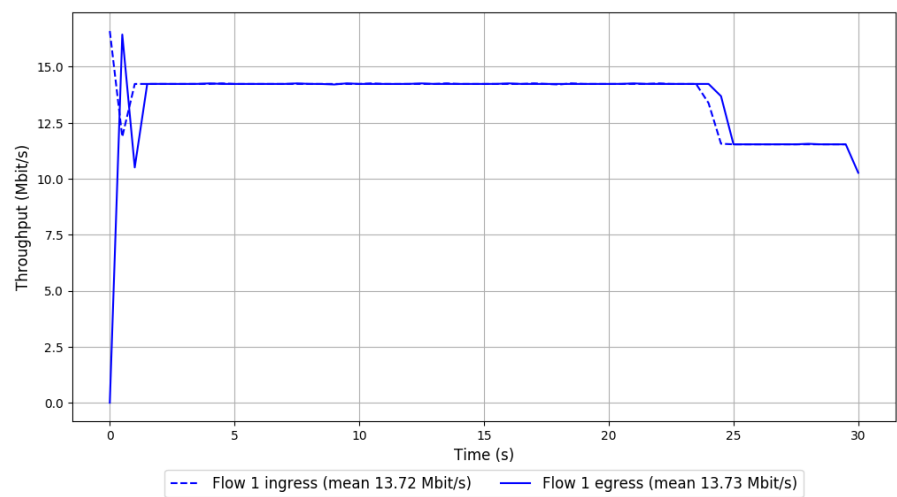
-- Flow 1:

Average throughput: 13.73 Mbit/s

95th percentile per-packet one-way delay: 53.345 ms

Loss rate: 0.30%

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

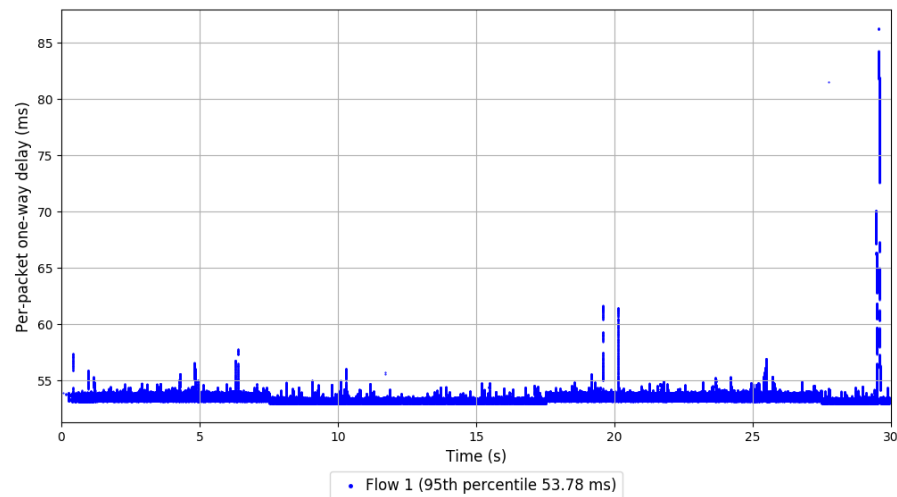
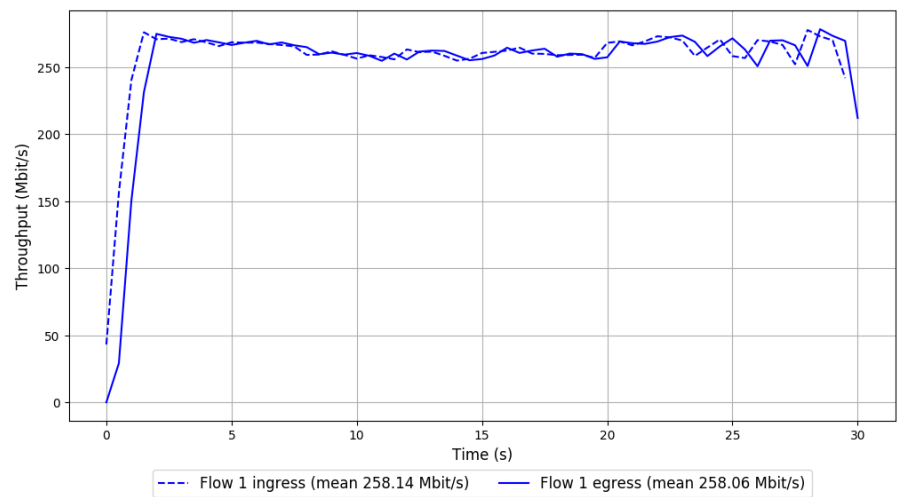


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-06 03:49:09  
End at: 2018-07-06 03:49:39  
Local clock offset: -0.186 ms  
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2018-07-06 06:53:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 258.06 Mbit/s  
95th percentile per-packet one-way delay: 53.781 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 258.06 Mbit/s  
95th percentile per-packet one-way delay: 53.781 ms  
Loss rate: 0.38%

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



Run 8: Statistics of TaoVA-100x

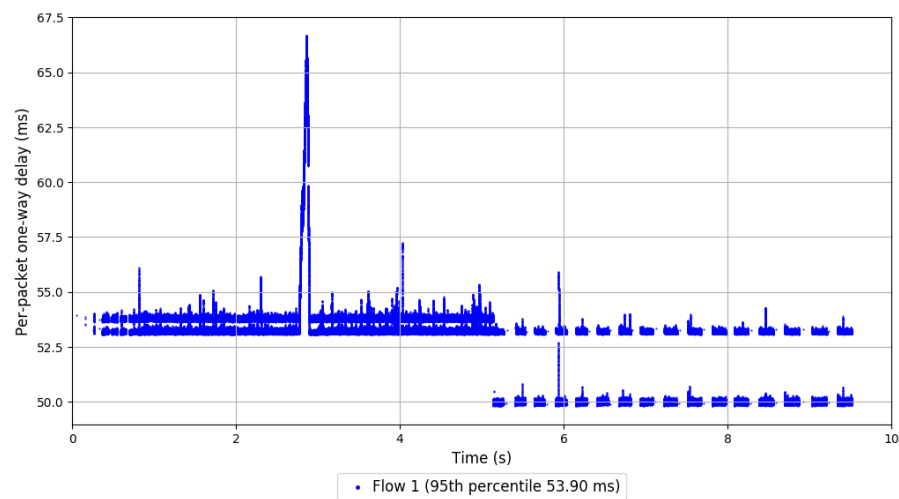
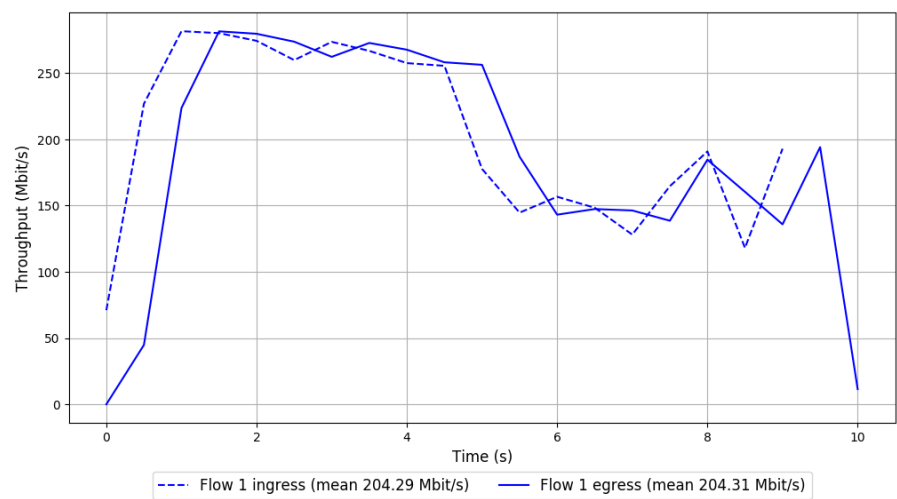
Start at: 2018-07-06 04:11:11

End at: 2018-07-06 04:11:41

Local clock offset: -0.046 ms

Remote clock offset: 0.025 ms

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



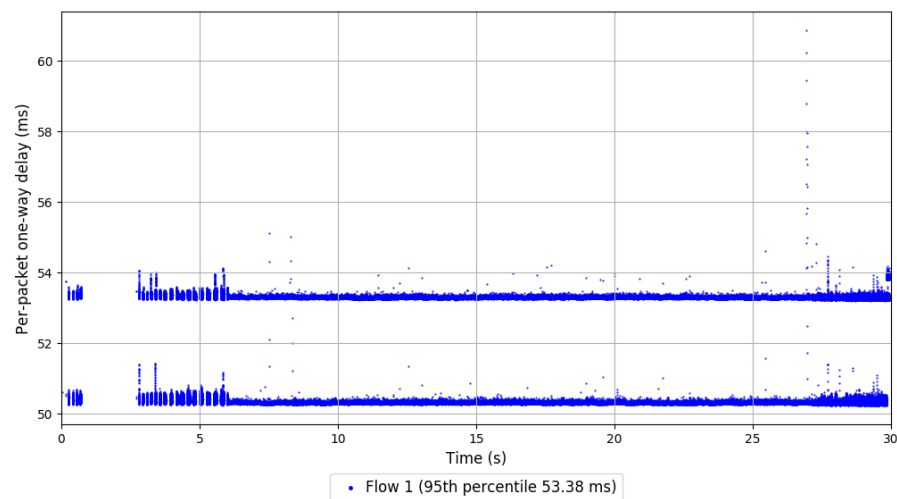
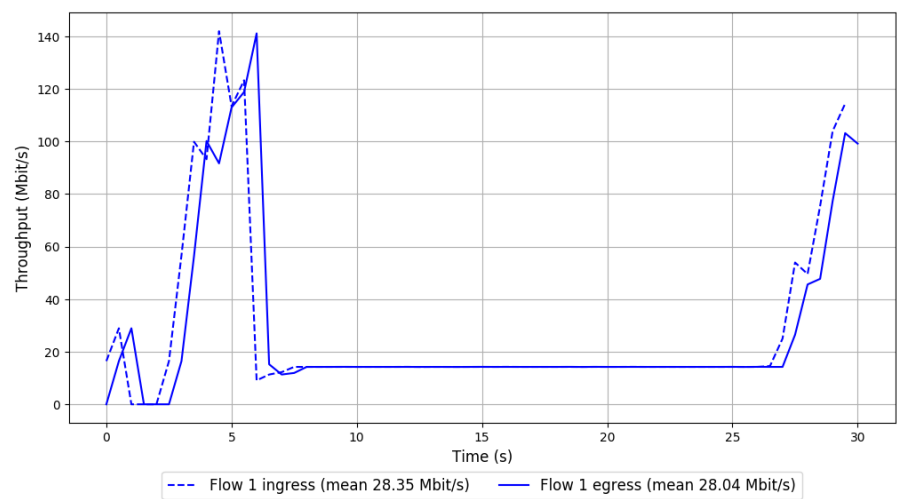
Run 9: Statistics of TaoVA-100x

Start at: 2018-07-06 04:33:06  
End at: 2018-07-06 04:33:36  
Local clock offset: -0.137 ms  
Remote clock offset: -0.221 ms

# Below is generated by plot.py at 2018-07-06 06:53:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 28.04 Mbit/s  
95th percentile per-packet one-way delay: 53.378 ms  
Loss rate: 1.45%  
-- Flow 1:  
Average throughput: 28.04 Mbit/s  
95th percentile per-packet one-way delay: 53.378 ms  
Loss rate: 1.45%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-06 04:54:45

End at: 2018-07-06 04:55:15

Local clock offset: 0.196 ms

Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-07-06 06:53:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 153.84 Mbit/s

95th percentile per-packet one-way delay: 54.355 ms

Loss rate: 0.63%

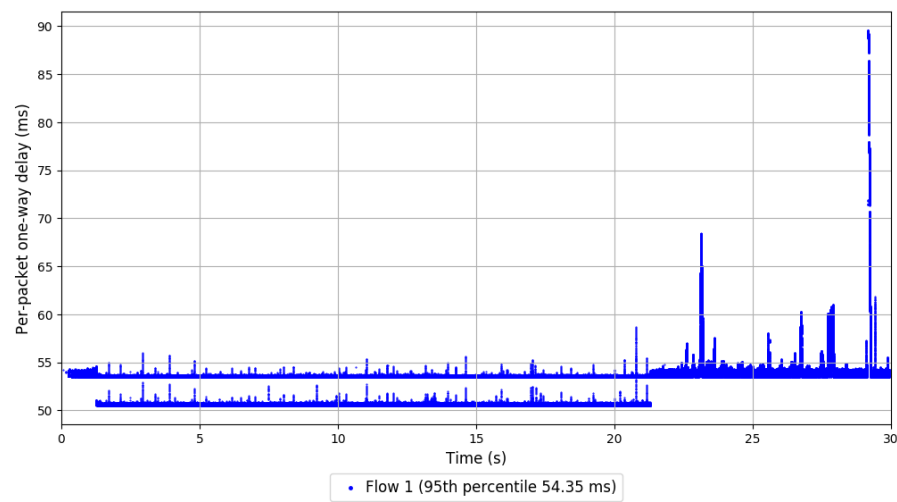
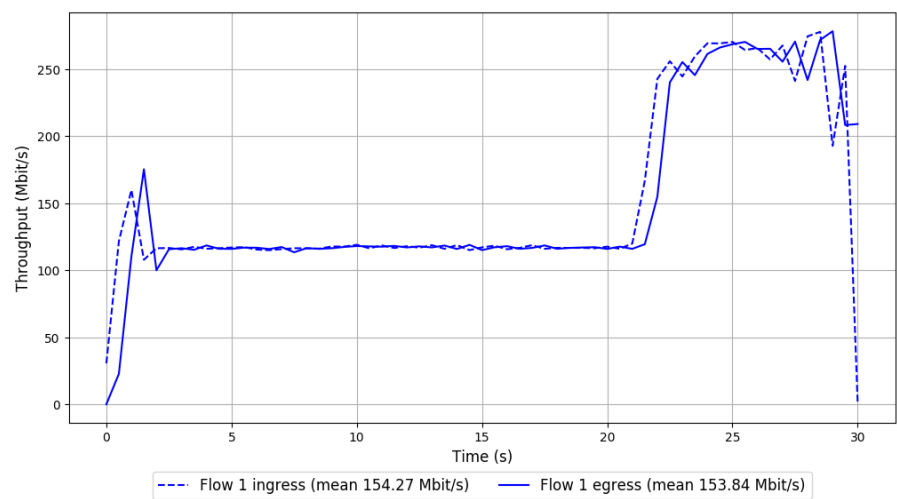
-- Flow 1:

Average throughput: 153.84 Mbit/s

95th percentile per-packet one-way delay: 54.355 ms

Loss rate: 0.63%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-06 01:56:25

End at: 2018-07-06 01:56:55

Local clock offset: -0.046 ms

Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-07-06 06:53:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 217.91 Mbit/s

95th percentile per-packet one-way delay: 63.075 ms

Loss rate: 0.37%

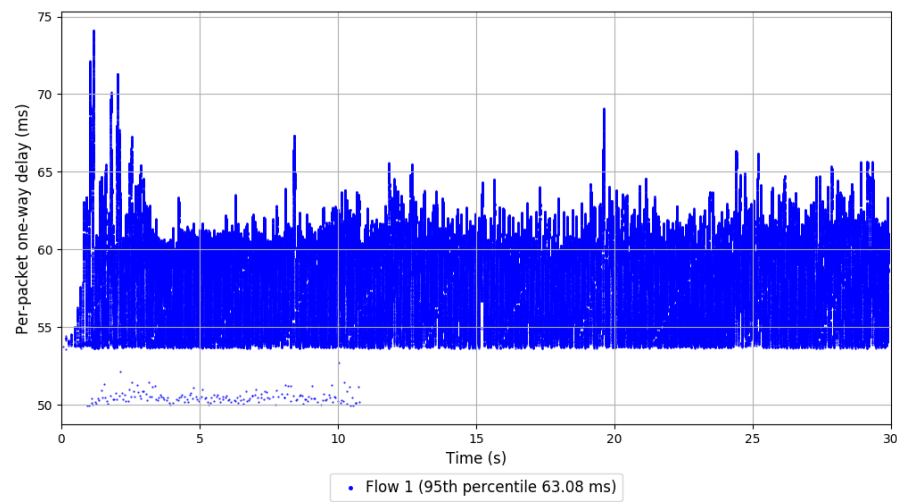
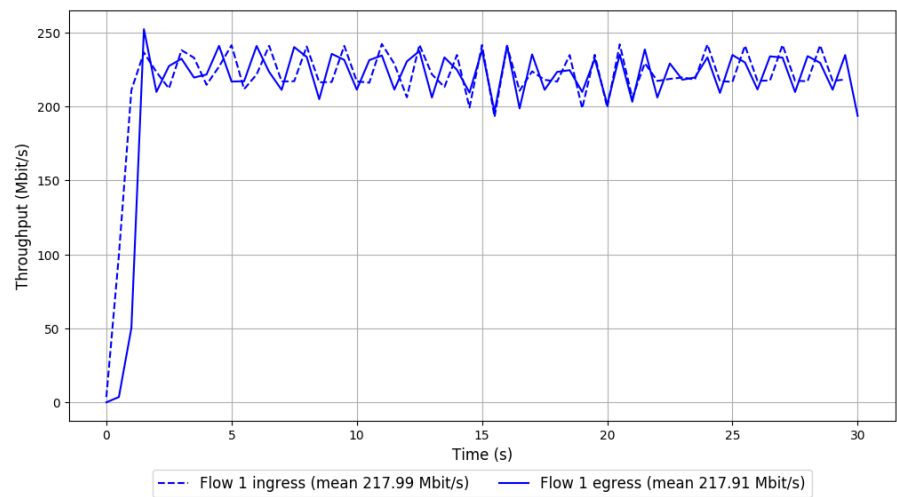
-- Flow 1:

Average throughput: 217.91 Mbit/s

95th percentile per-packet one-way delay: 63.075 ms

Loss rate: 0.37%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-06 02:18:22

End at: 2018-07-06 02:18:52

Local clock offset: 0.122 ms

Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-07-06 06:53:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 215.34 Mbit/s

95th percentile per-packet one-way delay: 62.165 ms

Loss rate: 0.41%

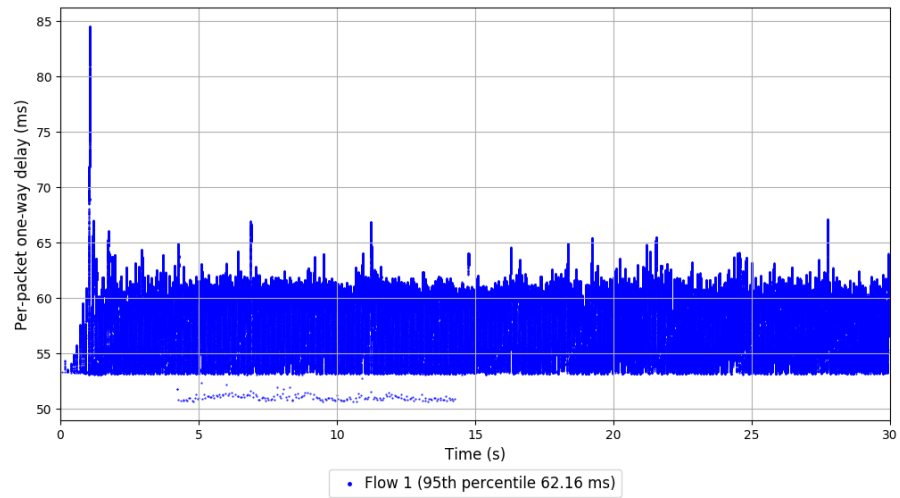
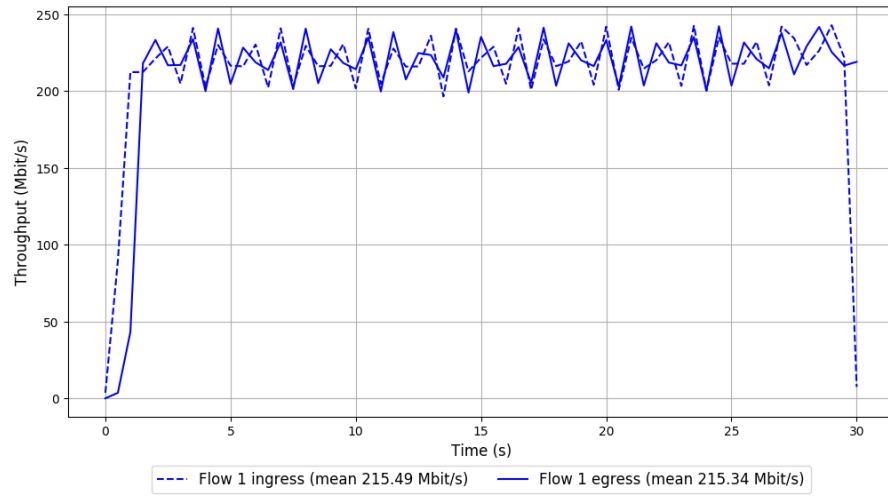
-- Flow 1:

Average throughput: 215.34 Mbit/s

95th percentile per-packet one-way delay: 62.165 ms

Loss rate: 0.41%

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



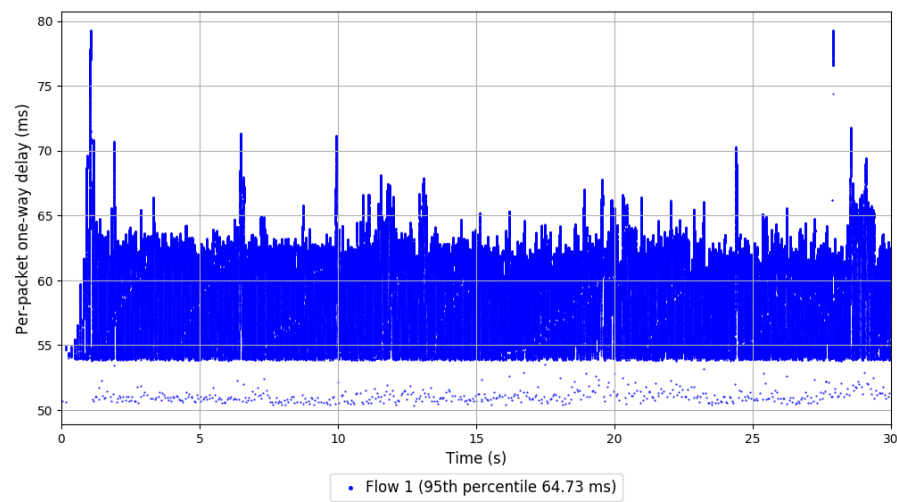
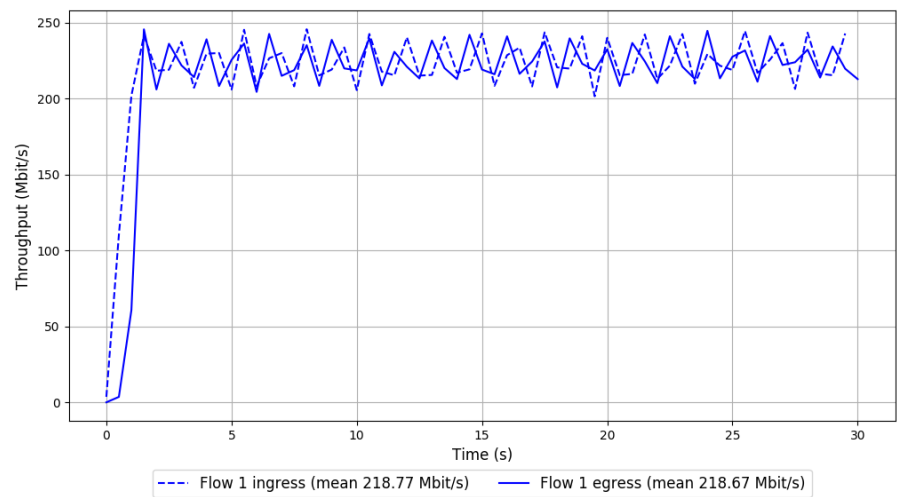
Run 3: Statistics of TCP Vegas

Start at: 2018-07-06 02:39:59  
End at: 2018-07-06 02:40:29  
Local clock offset: -0.158 ms  
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2018-07-06 06:53:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 218.67 Mbit/s  
95th percentile per-packet one-way delay: 64.734 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 218.67 Mbit/s  
95th percentile per-packet one-way delay: 64.734 ms  
Loss rate: 0.37%



Run 3: Report of TCP Vegas — Data Link

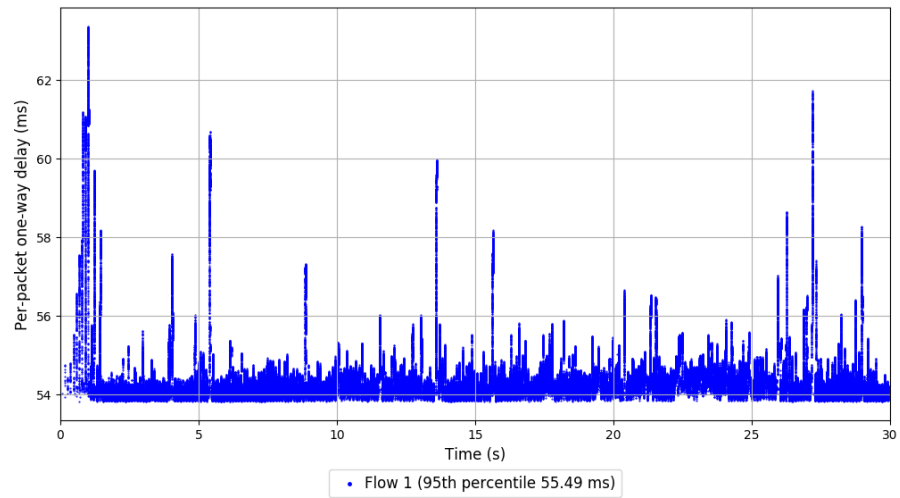
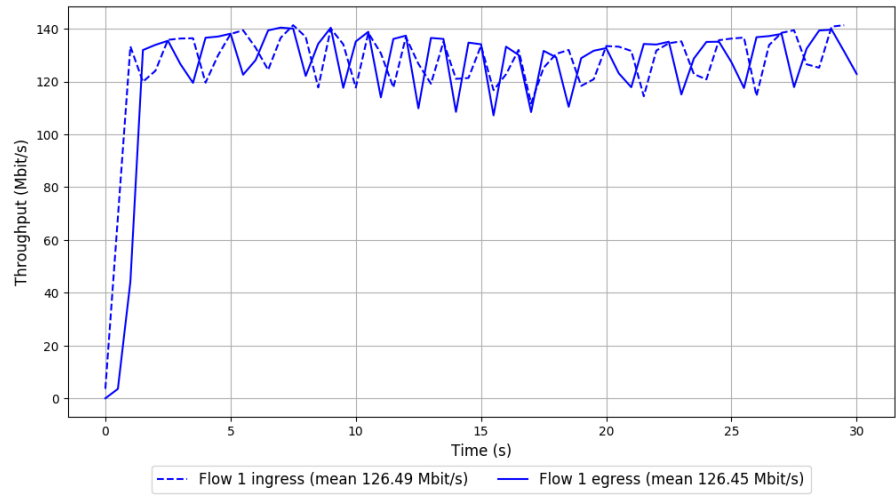


Run 4: Statistics of TCP Vegas

Start at: 2018-07-06 03:02:01  
End at: 2018-07-06 03:02:31  
Local clock offset: -0.018 ms  
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2018-07-06 06:53:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 126.45 Mbit/s  
95th percentile per-packet one-way delay: 55.489 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 126.45 Mbit/s  
95th percentile per-packet one-way delay: 55.489 ms  
Loss rate: 0.37%

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



Run 5: Statistics of TCP Vegas

Start at: 2018-07-06 03:23:49

End at: 2018-07-06 03:24:19

Local clock offset: 0.056 ms

Remote clock offset: 0.152 ms

# Below is generated by plot.py at 2018-07-06 06:54:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 211.08 Mbit/s

95th percentile per-packet one-way delay: 62.524 ms

Loss rate: 0.10%

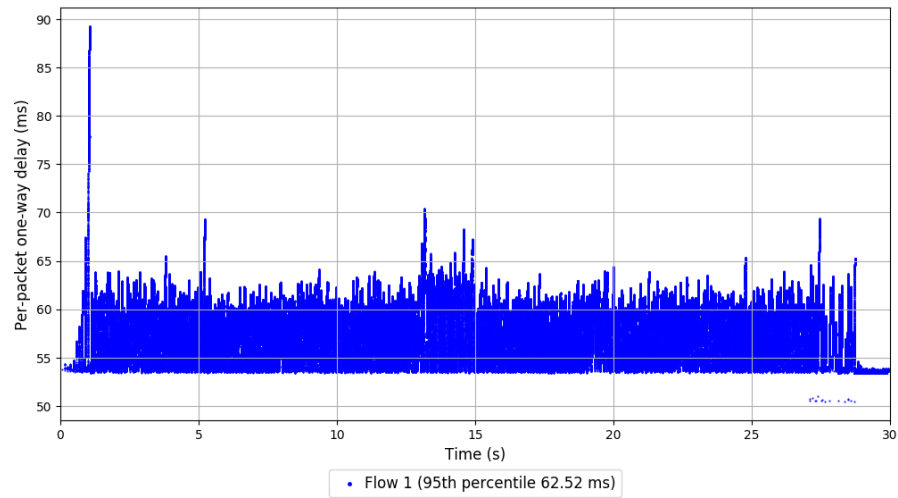
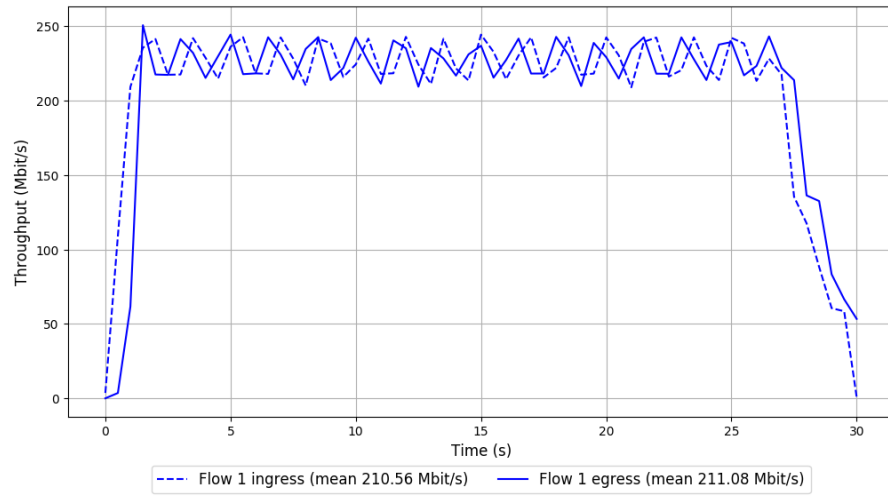
-- Flow 1:

Average throughput: 211.08 Mbit/s

95th percentile per-packet one-way delay: 62.524 ms

Loss rate: 0.10%

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

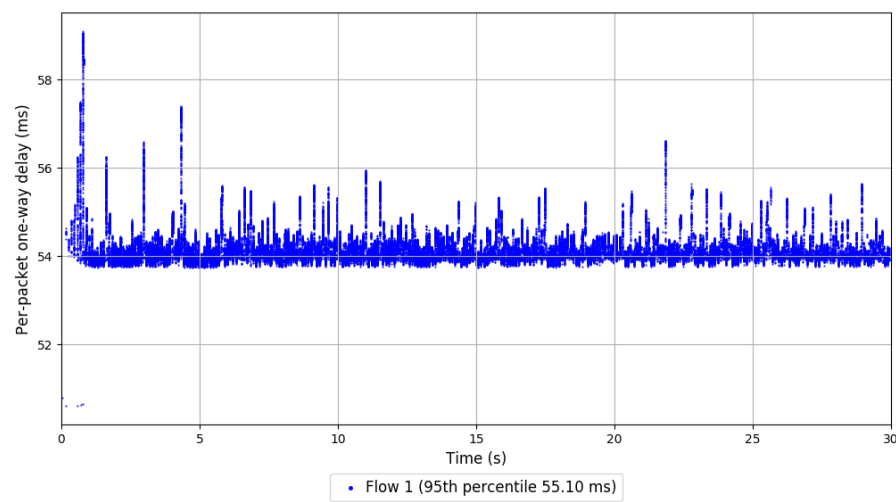
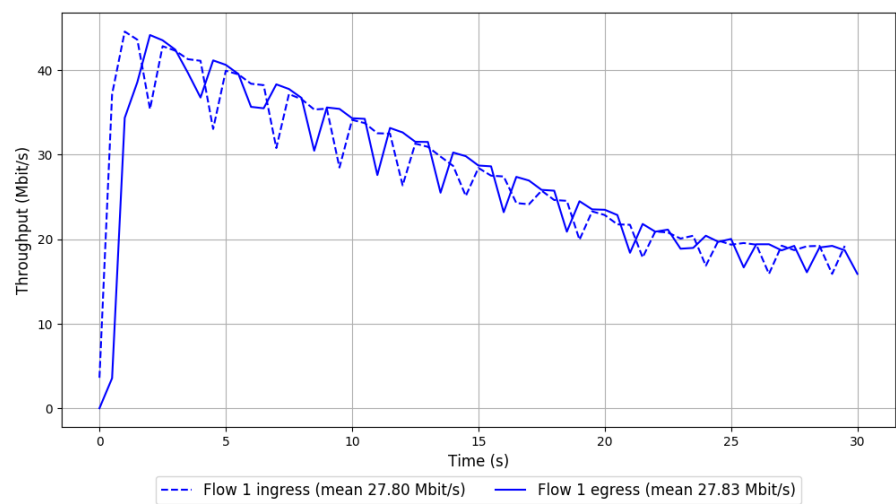


Run 6: Statistics of TCP Vegas

Start at: 2018-07-06 03:45:14  
End at: 2018-07-06 03:45:44  
Local clock offset: 0.187 ms  
Remote clock offset: -0.448 ms

# Below is generated by plot.py at 2018-07-06 06:54:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.83 Mbit/s  
95th percentile per-packet one-way delay: 55.102 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 27.83 Mbit/s  
95th percentile per-packet one-way delay: 55.102 ms  
Loss rate: 0.23%

Run 6: Report of TCP Vegas — Data Link



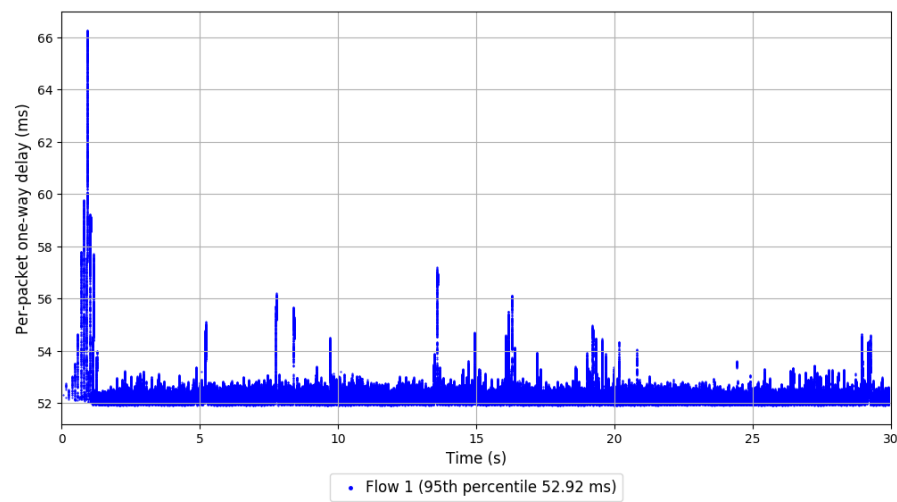
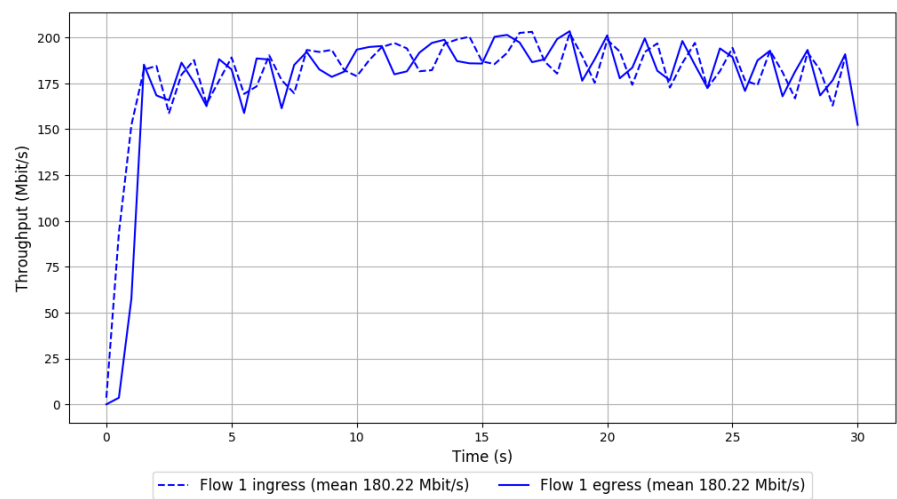
Run 7: Statistics of TCP Vegas

Start at: 2018-07-06 04:07:11  
End at: 2018-07-06 04:07:41  
Local clock offset: -0.089 ms  
Remote clock offset: 1.124 ms

# Below is generated by plot.py at 2018-07-06 06:55:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 180.22 Mbit/s  
95th percentile per-packet one-way delay: 52.918 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 180.22 Mbit/s  
95th percentile per-packet one-way delay: 52.918 ms  
Loss rate: 0.35%



Run 7: Report of TCP Vegas — Data Link

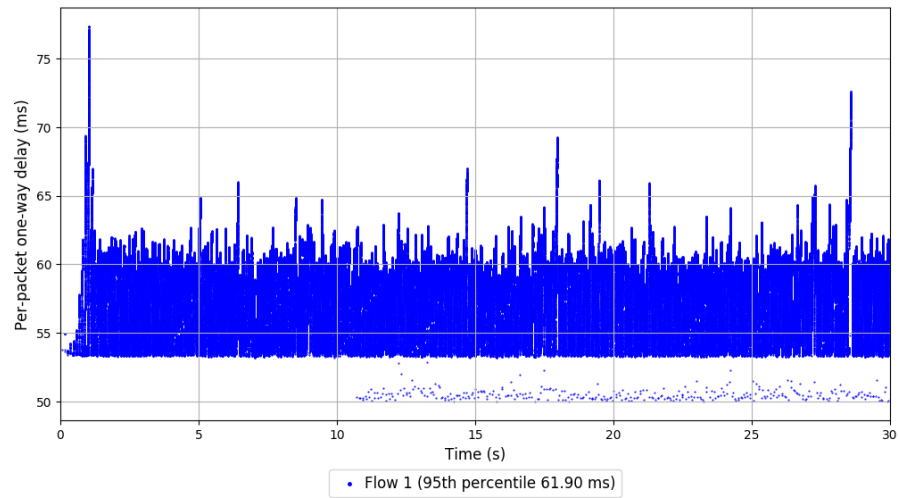
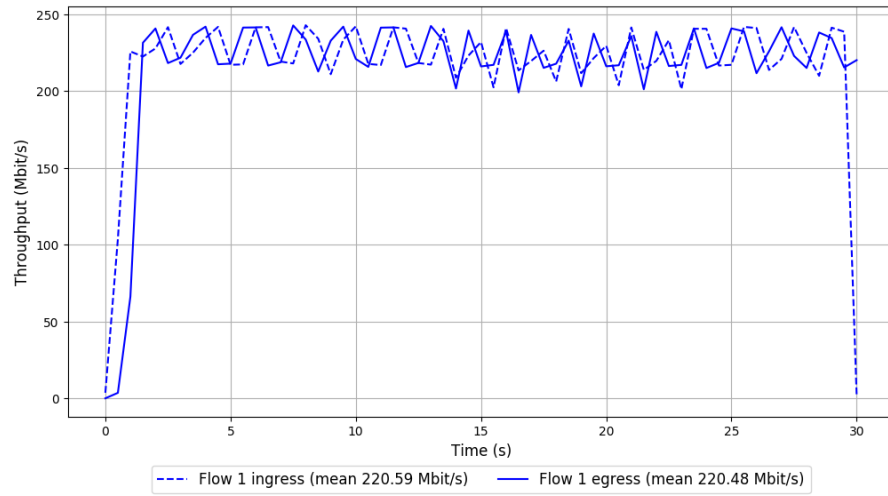


Run 8: Statistics of TCP Vegas

Start at: 2018-07-06 04:29:06  
End at: 2018-07-06 04:29:36  
Local clock offset: -0.081 ms  
Remote clock offset: -0.147 ms

# Below is generated by plot.py at 2018-07-06 06:55:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 220.48 Mbit/s  
95th percentile per-packet one-way delay: 61.904 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 220.48 Mbit/s  
95th percentile per-packet one-way delay: 61.904 ms  
Loss rate: 0.40%

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



Run 9: Statistics of TCP Vegas

Start at: 2018-07-06 04:50:43

End at: 2018-07-06 04:51:13

Local clock offset: -0.016 ms

Remote clock offset: 1.27 ms

# Below is generated by plot.py at 2018-07-06 06:56:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 221.85 Mbit/s

95th percentile per-packet one-way delay: 61.235 ms

Loss rate: 0.40%

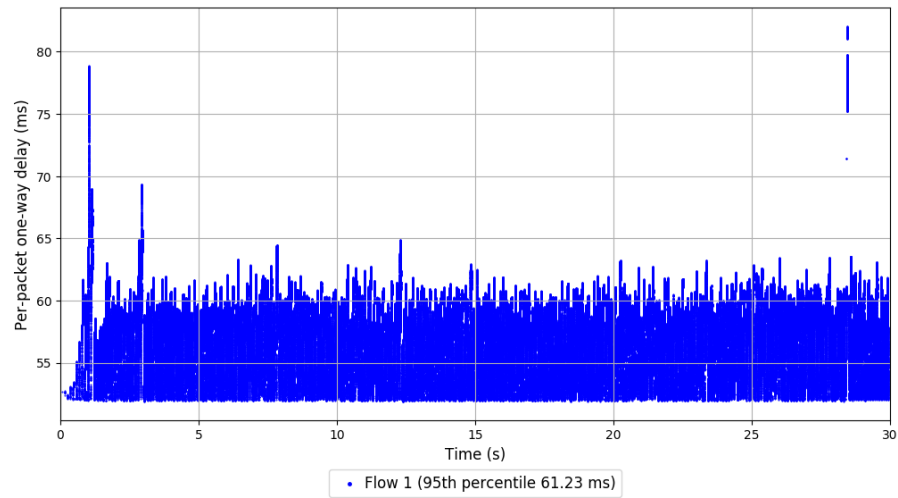
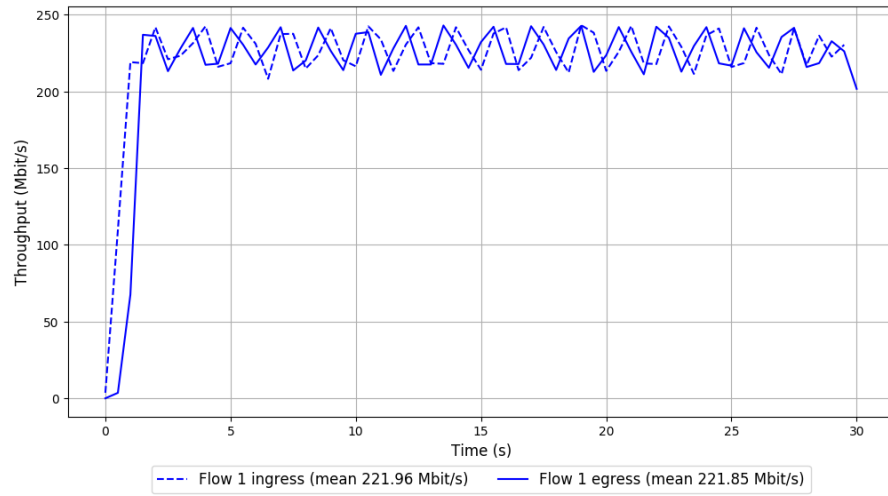
-- Flow 1:

Average throughput: 221.85 Mbit/s

95th percentile per-packet one-way delay: 61.235 ms

Loss rate: 0.40%

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

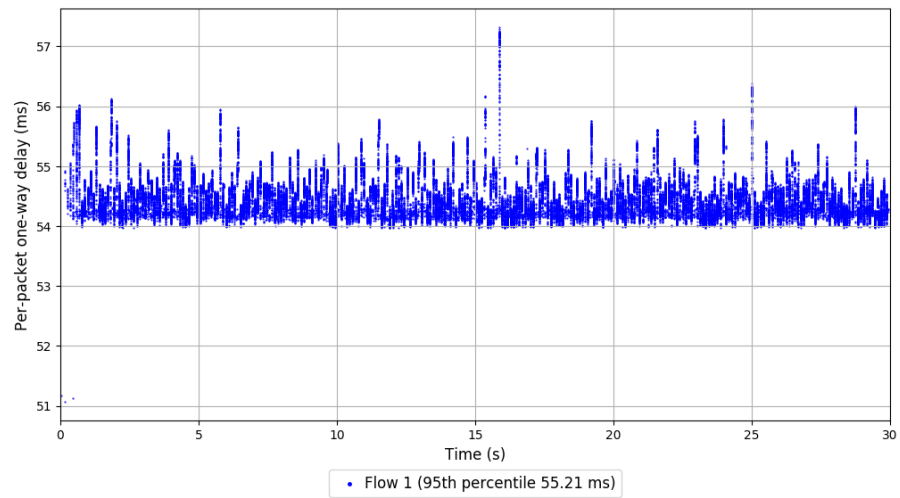
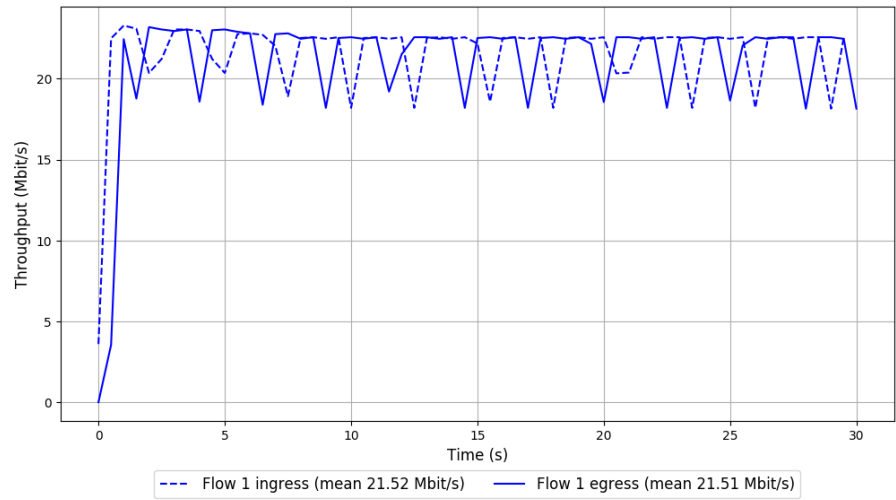


Run 10: Statistics of TCP Vegas

Start at: 2018-07-06 05:12:41  
End at: 2018-07-06 05:13:11  
Local clock offset: -0.287 ms  
Remote clock offset: -1.121 ms

# Below is generated by plot.py at 2018-07-06 06:56:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.51 Mbit/s  
95th percentile per-packet one-way delay: 55.209 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 21.51 Mbit/s  
95th percentile per-packet one-way delay: 55.209 ms  
Loss rate: 0.35%

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



Run 1: Statistics of Verus

Start at: 2018-07-06 01:55:09

End at: 2018-07-06 01:55:39

Local clock offset: -0.006 ms

Remote clock offset: 0.199 ms

# Below is generated by plot.py at 2018-07-06 06:56:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 168.51 Mbit/s

95th percentile per-packet one-way delay: 91.448 ms

Loss rate: 1.27%

-- Flow 1:

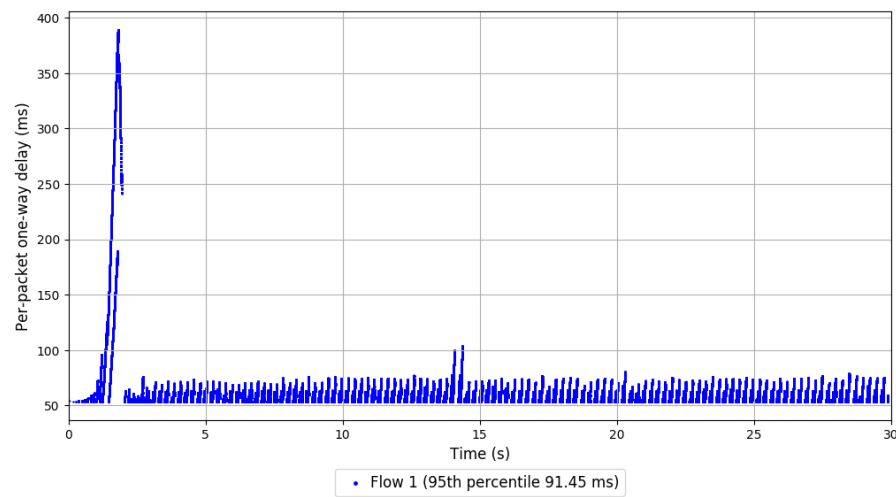
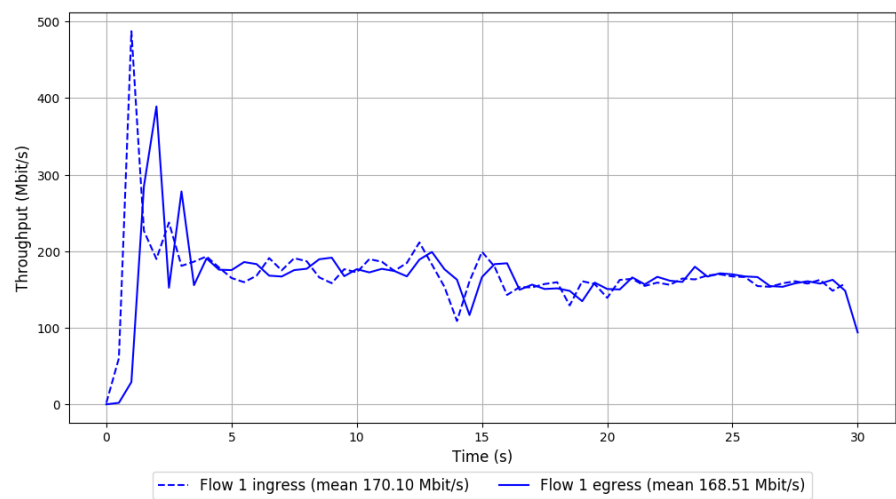
Average throughput: 168.51 Mbit/s

95th percentile per-packet one-way delay: 91.448 ms

Loss rate: 1.27%



Run 1: Report of Verus — Data Link

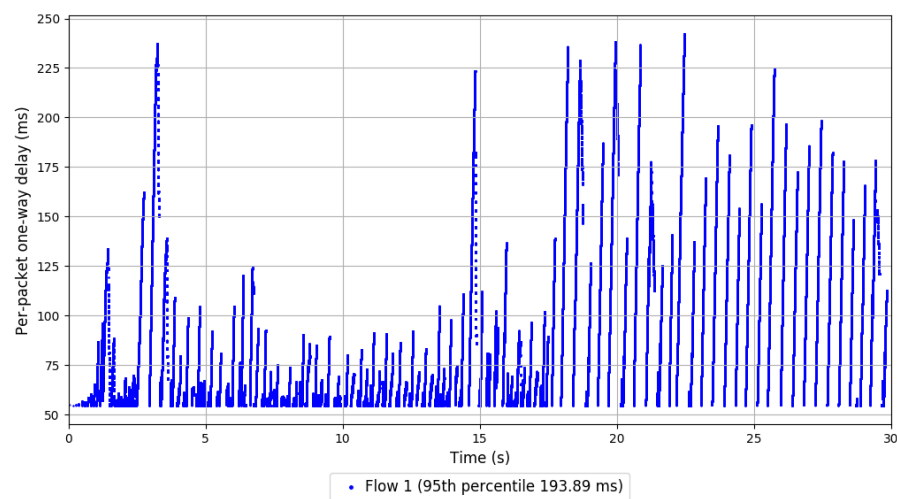
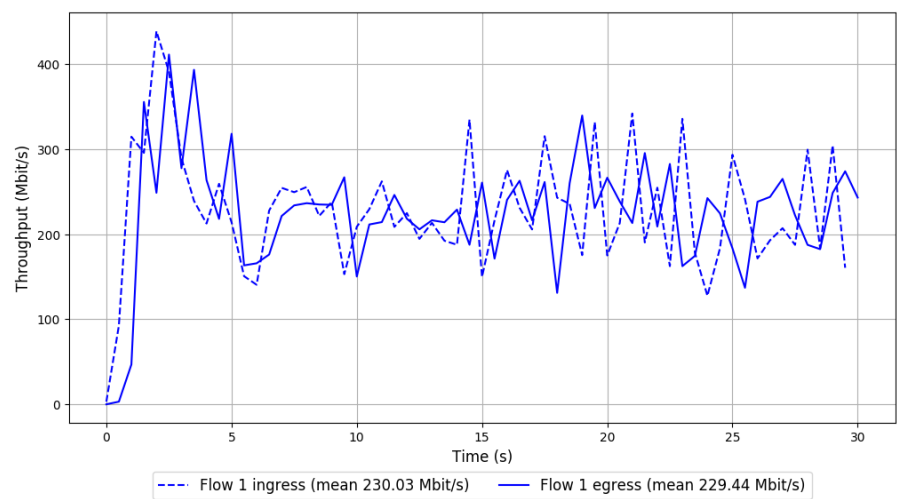


Run 2: Statistics of Verus

Start at: 2018-07-06 02:17:02  
End at: 2018-07-06 02:17:32  
Local clock offset: -0.064 ms  
Remote clock offset: -1.369 ms

# Below is generated by plot.py at 2018-07-06 06:56:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 229.44 Mbit/s  
95th percentile per-packet one-way delay: 193.889 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 229.44 Mbit/s  
95th percentile per-packet one-way delay: 193.889 ms  
Loss rate: 0.07%

Run 2: Report of Verus — Data Link

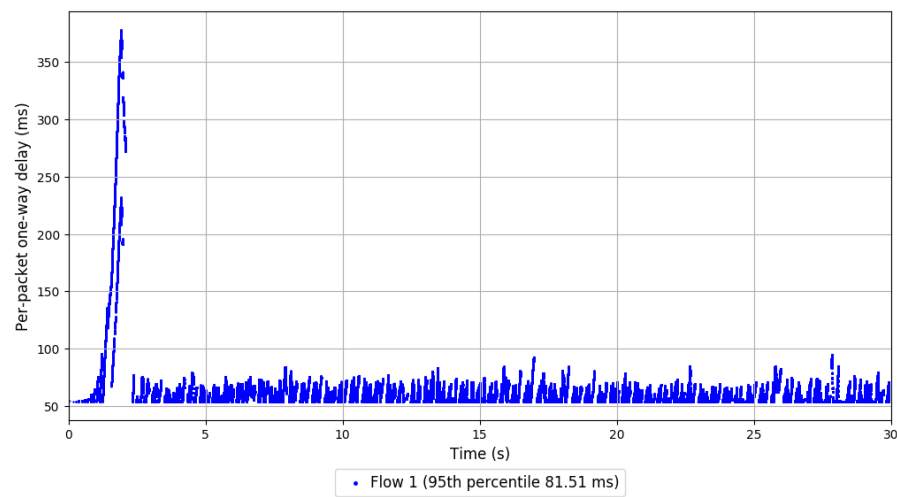
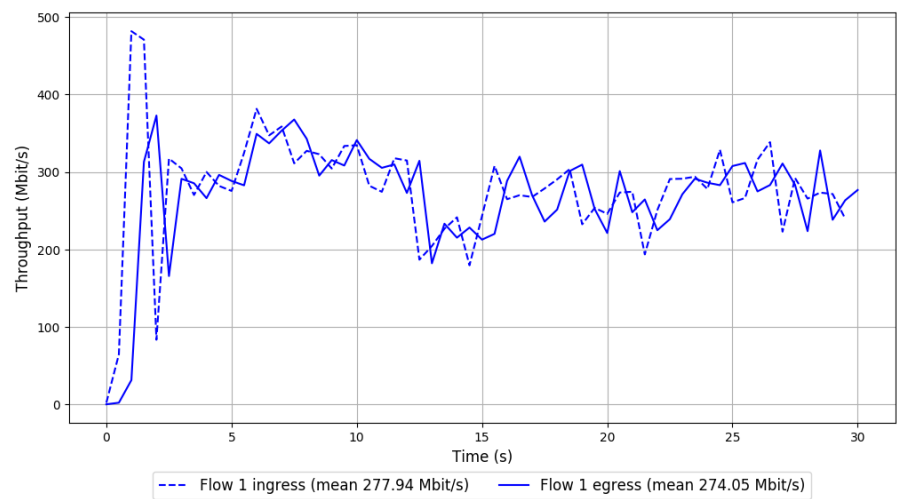


Run 3: Statistics of Verus

Start at: 2018-07-06 02:38:36  
End at: 2018-07-06 02:39:06  
Local clock offset: -0.055 ms  
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-07-06 06:57:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 274.05 Mbit/s  
95th percentile per-packet one-way delay: 81.513 ms  
Loss rate: 1.39%  
-- Flow 1:  
Average throughput: 274.05 Mbit/s  
95th percentile per-packet one-way delay: 81.513 ms  
Loss rate: 1.39%

Run 3: Report of Verus — Data Link

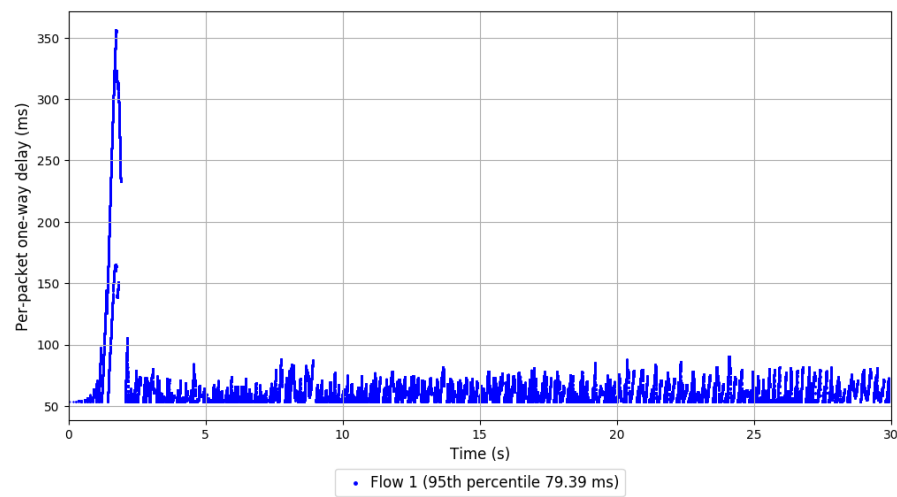
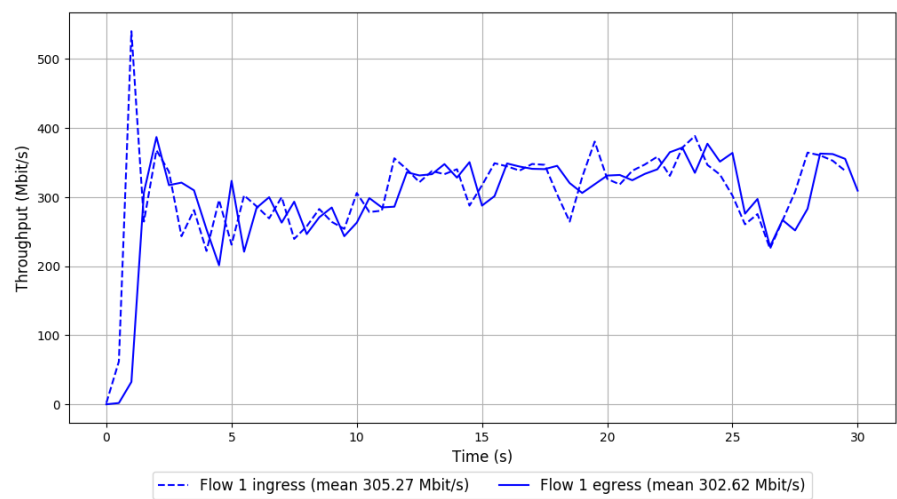


Run 4: Statistics of Verus

Start at: 2018-07-06 03:00:37  
End at: 2018-07-06 03:01:07  
Local clock offset: -0.219 ms  
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-07-06 06:59:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 302.62 Mbit/s  
95th percentile per-packet one-way delay: 79.388 ms  
Loss rate: 1.22%  
-- Flow 1:  
Average throughput: 302.62 Mbit/s  
95th percentile per-packet one-way delay: 79.388 ms  
Loss rate: 1.22%

Run 4: Report of Verus — Data Link



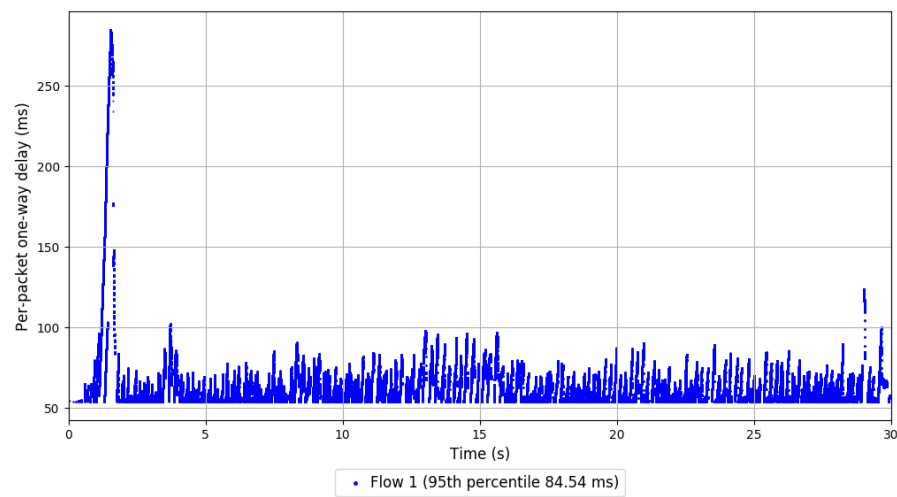
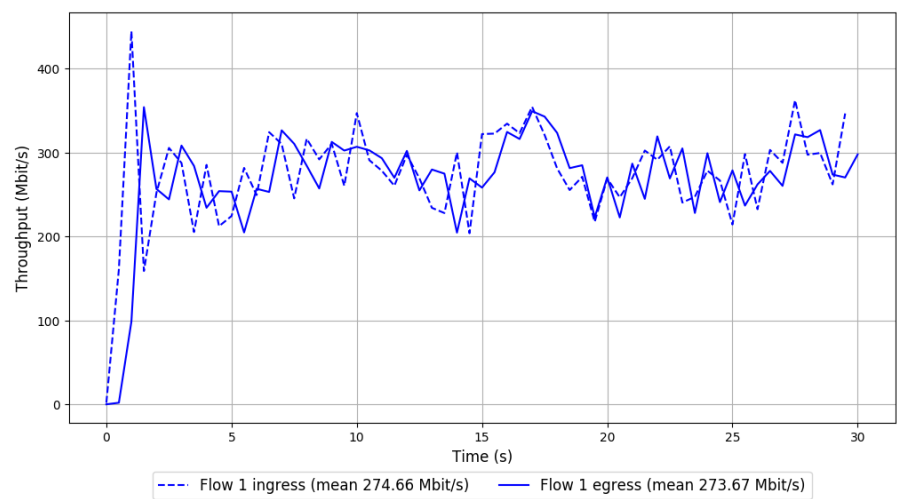
Run 5: Statistics of Verus

Start at: 2018-07-06 03:22:26  
End at: 2018-07-06 03:22:56  
Local clock offset: 0.129 ms  
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-07-06 06:59:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 273.67 Mbit/s  
95th percentile per-packet one-way delay: 84.543 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 273.67 Mbit/s  
95th percentile per-packet one-way delay: 84.543 ms  
Loss rate: 0.71%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-06 03:43:54

End at: 2018-07-06 03:44:24

Local clock offset: -0.089 ms

Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-07-06 06:59:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 240.87 Mbit/s

95th percentile per-packet one-way delay: 91.270 ms

Loss rate: 0.41%

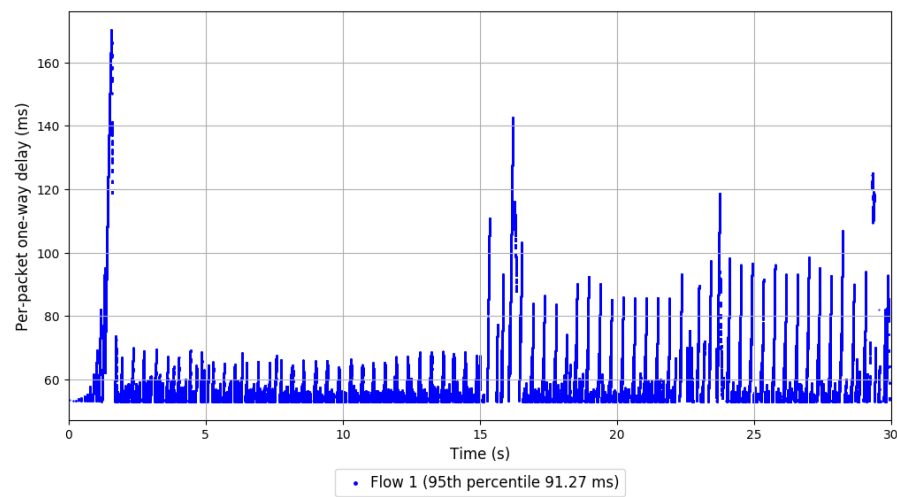
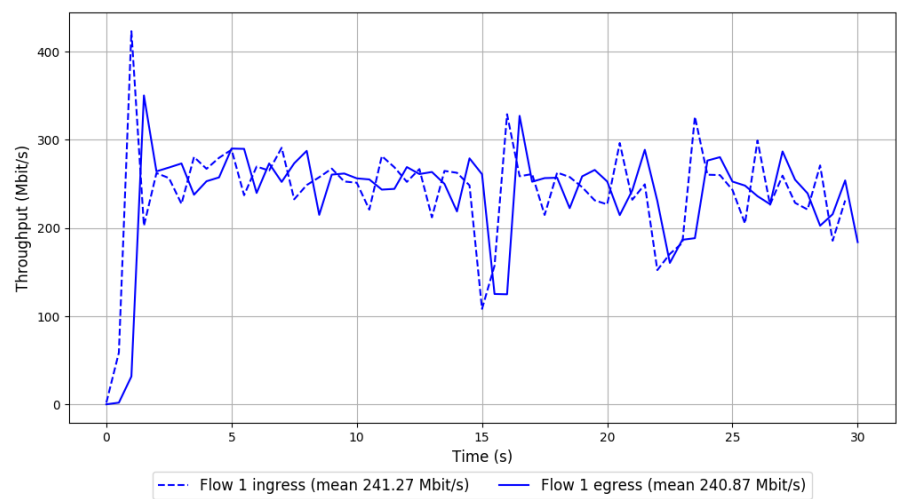
-- Flow 1:

Average throughput: 240.87 Mbit/s

95th percentile per-packet one-way delay: 91.270 ms

Loss rate: 0.41%

Run 6: Report of Verus — Data Link

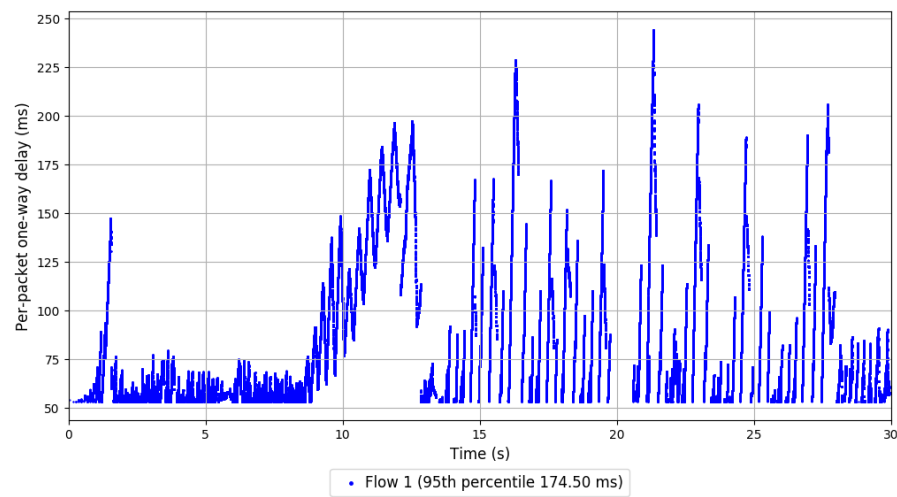
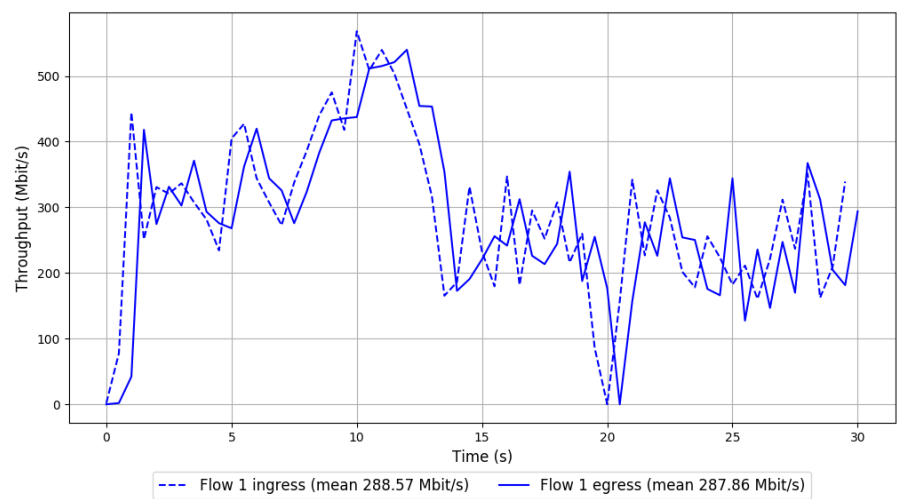


Run 7: Statistics of Verus

Start at: 2018-07-06 04:05:48  
End at: 2018-07-06 04:06:18  
Local clock offset: -0.049 ms  
Remote clock offset: -0.152 ms

# Below is generated by plot.py at 2018-07-06 07:00:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 287.86 Mbit/s  
95th percentile per-packet one-way delay: 174.505 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 287.86 Mbit/s  
95th percentile per-packet one-way delay: 174.505 ms  
Loss rate: 0.60%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-06 04:27:44

End at: 2018-07-06 04:28:14

Local clock offset: 0.021 ms

Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-07-06 07:00:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 253.52 Mbit/s

95th percentile per-packet one-way delay: 130.357 ms

Loss rate: 1.41%

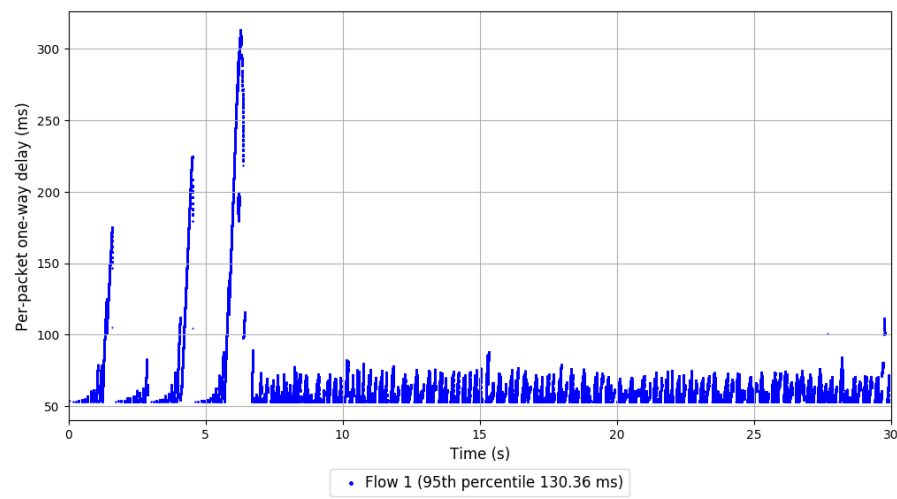
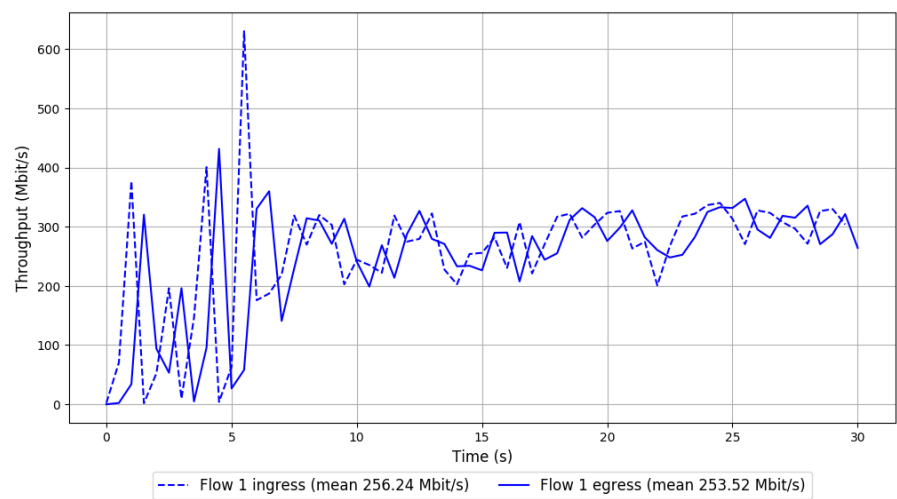
-- Flow 1:

Average throughput: 253.52 Mbit/s

95th percentile per-packet one-way delay: 130.357 ms

Loss rate: 1.41%

Run 8: Report of Verus — Data Link



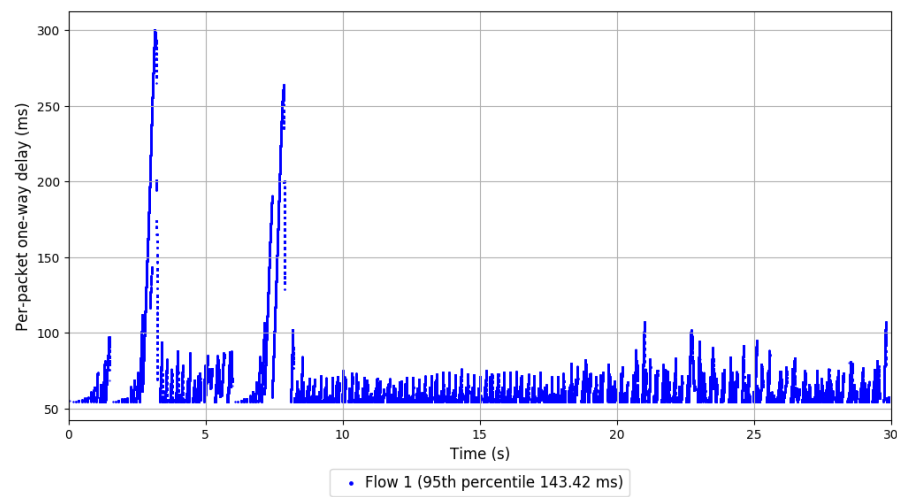
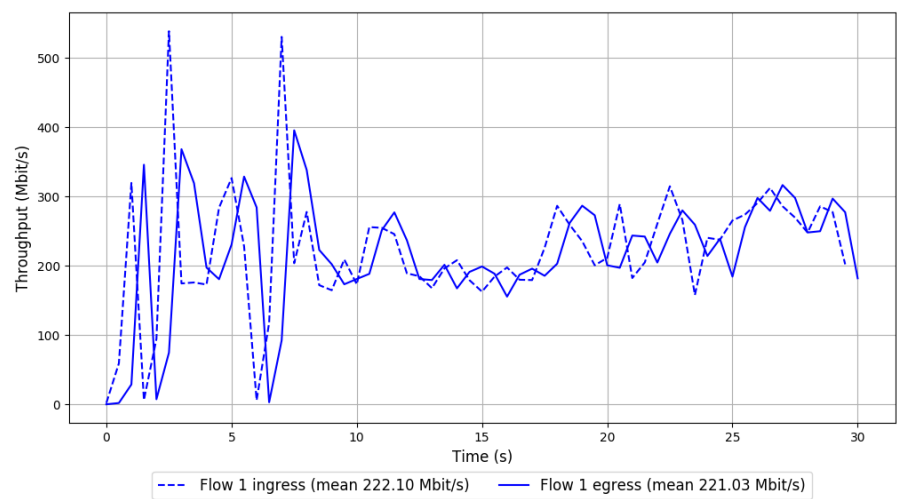
Run 9: Statistics of Verus

Start at: 2018-07-06 04:49:24  
End at: 2018-07-06 04:49:54  
Local clock offset: 0.153 ms  
Remote clock offset: -1.243 ms

# Below is generated by plot.py at 2018-07-06 07:00:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 221.03 Mbit/s  
95th percentile per-packet one-way delay: 143.416 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 221.03 Mbit/s  
95th percentile per-packet one-way delay: 143.416 ms  
Loss rate: 0.80%



Run 9: Report of Verus — Data Link

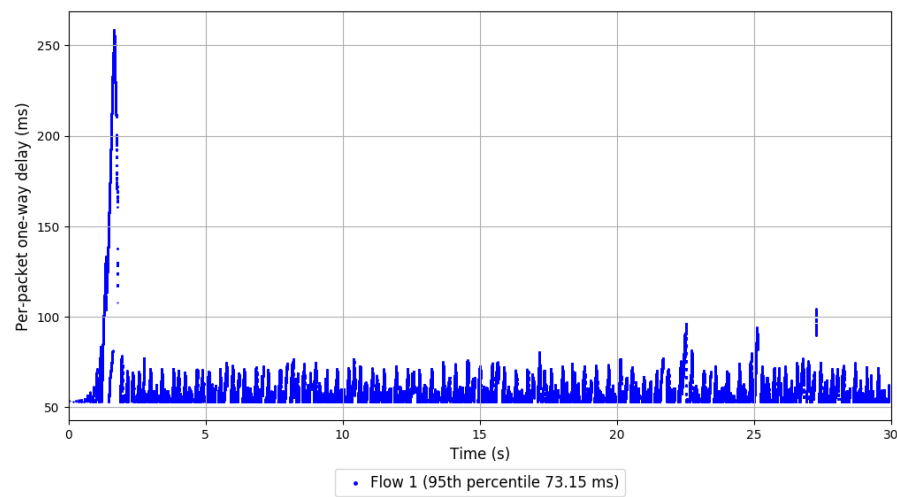
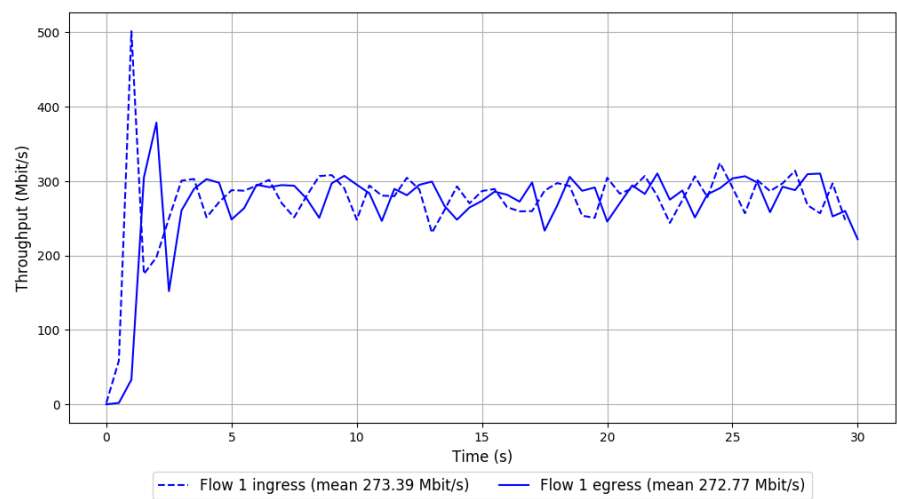


Run 10: Statistics of Verus

Start at: 2018-07-06 05:11:18  
End at: 2018-07-06 05:11:48  
Local clock offset: -0.198 ms  
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-07-06 07:01:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 272.77 Mbit/s  
95th percentile per-packet one-way delay: 73.154 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 272.77 Mbit/s  
95th percentile per-packet one-way delay: 73.154 ms  
Loss rate: 0.57%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-06 01:57:42

End at: 2018-07-06 01:58:12

Local clock offset: -0.012 ms

Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2018-07-06 07:03:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 317.24 Mbit/s

95th percentile per-packet one-way delay: 188.432 ms

Loss rate: 0.73%

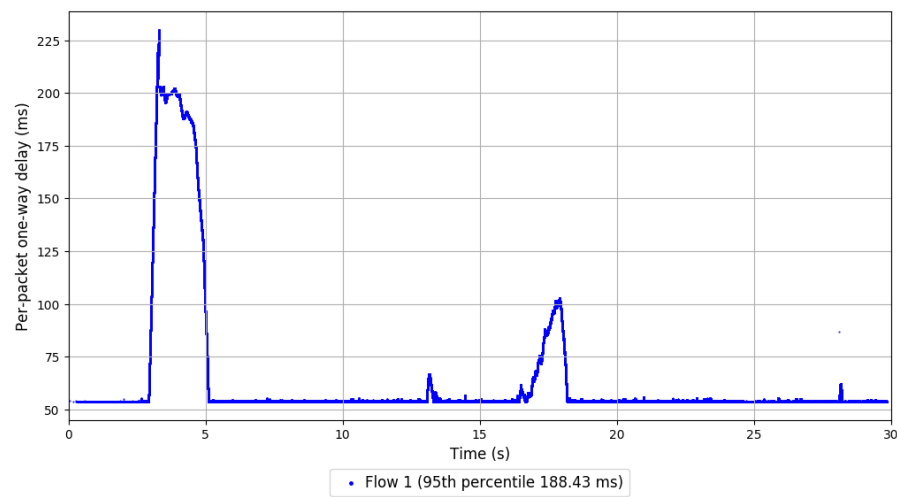
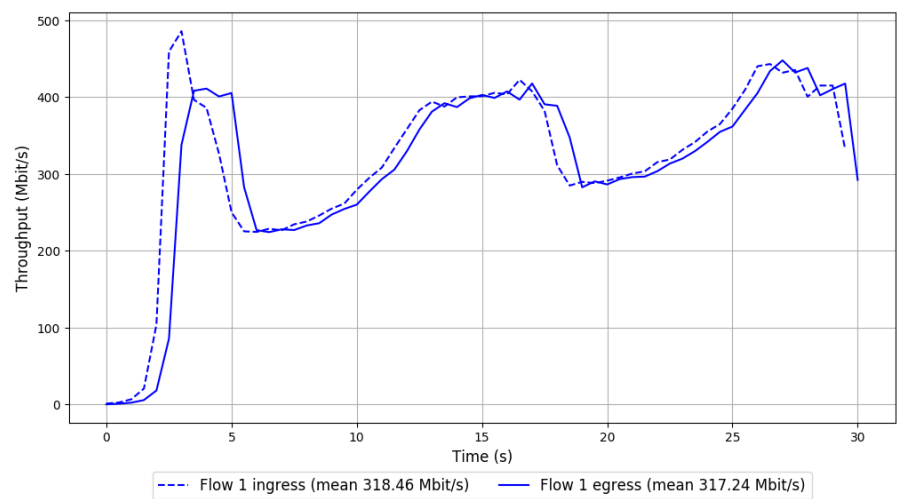
-- Flow 1:

Average throughput: 317.24 Mbit/s

95th percentile per-packet one-way delay: 188.432 ms

Loss rate: 0.73%

Run 1: Report of PCC-Vivace — Data Link

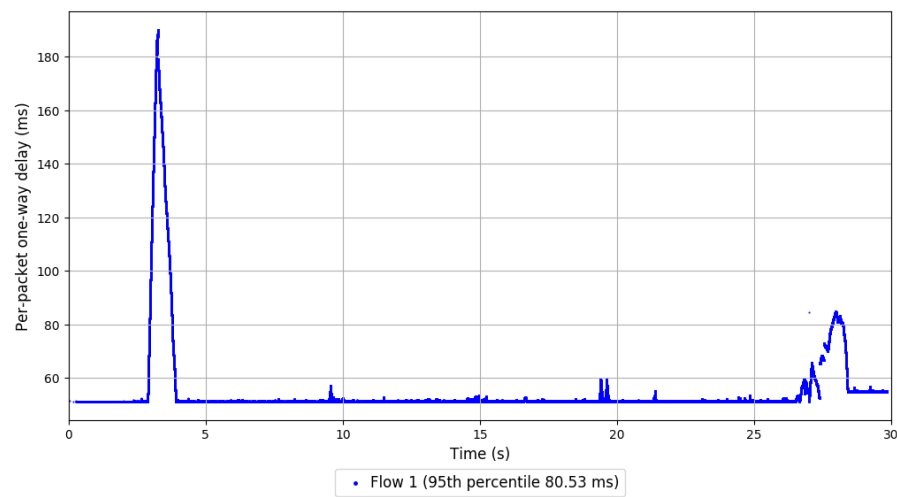
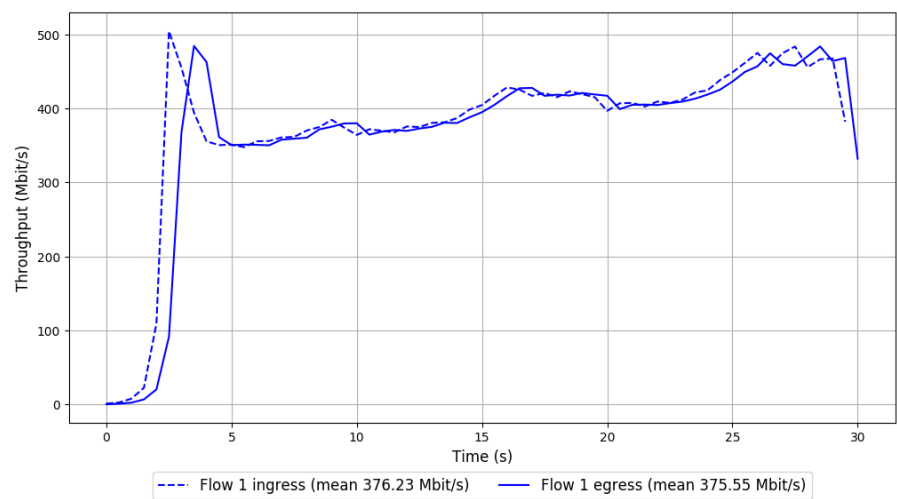


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-06 02:19:38  
End at: 2018-07-06 02:20:08  
Local clock offset: -0.112 ms  
Remote clock offset: -1.231 ms

# Below is generated by plot.py at 2018-07-06 07:06:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 375.55 Mbit/s  
95th percentile per-packet one-way delay: 80.526 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 375.55 Mbit/s  
95th percentile per-packet one-way delay: 80.526 ms  
Loss rate: 0.53%

Run 2: Report of PCC-Vivace — Data Link



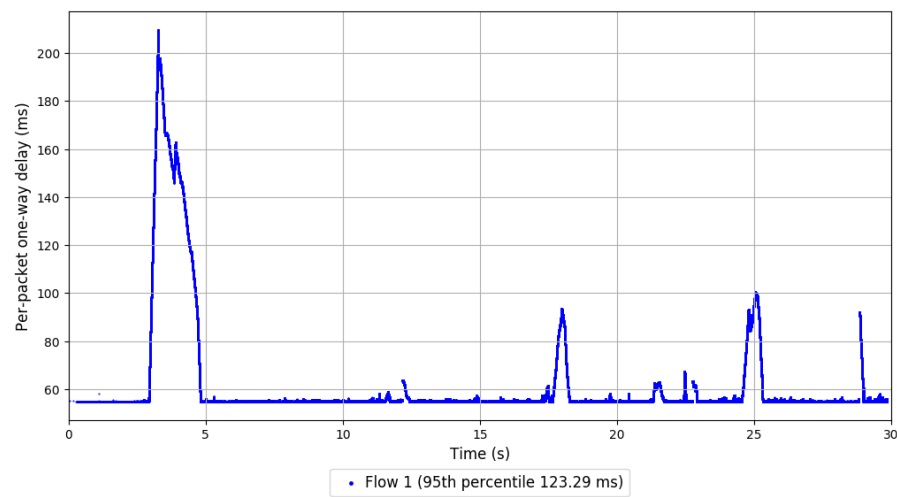
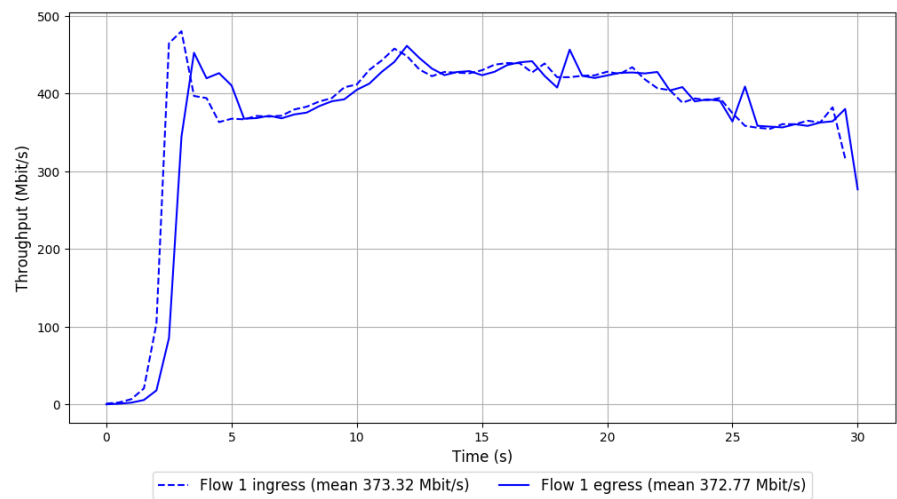
Run 3: Statistics of PCC-Vivace

Start at: 2018-07-06 02:41:15  
End at: 2018-07-06 02:41:45  
Local clock offset: -0.044 ms  
Remote clock offset: -1.222 ms

# Below is generated by plot.py at 2018-07-06 07:06:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 372.77 Mbit/s  
95th percentile per-packet one-way delay: 123.288 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 372.77 Mbit/s  
95th percentile per-packet one-way delay: 123.288 ms  
Loss rate: 0.50%



Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-06 03:03:12

End at: 2018-07-06 03:03:42

Local clock offset: -0.26 ms

Remote clock offset: 1.403 ms

# Below is generated by plot.py at 2018-07-06 07:06:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 331.09 Mbit/s

95th percentile per-packet one-way delay: 57.621 ms

Loss rate: 0.40%

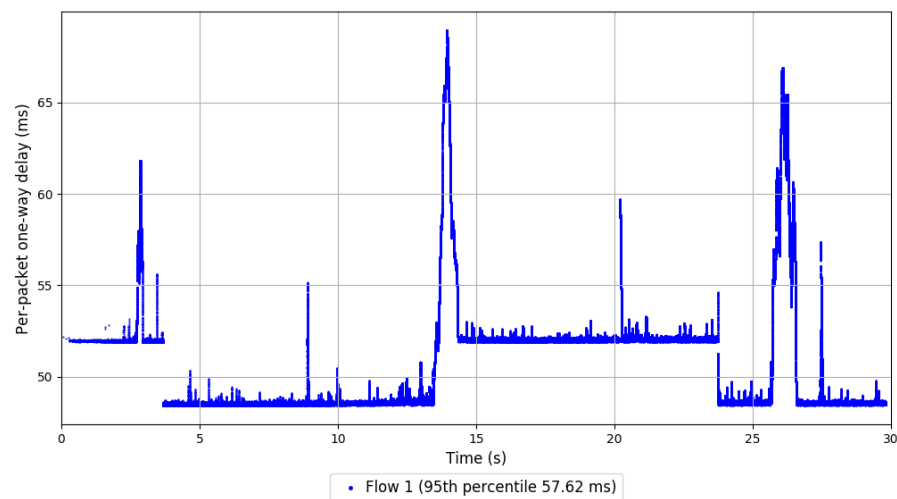
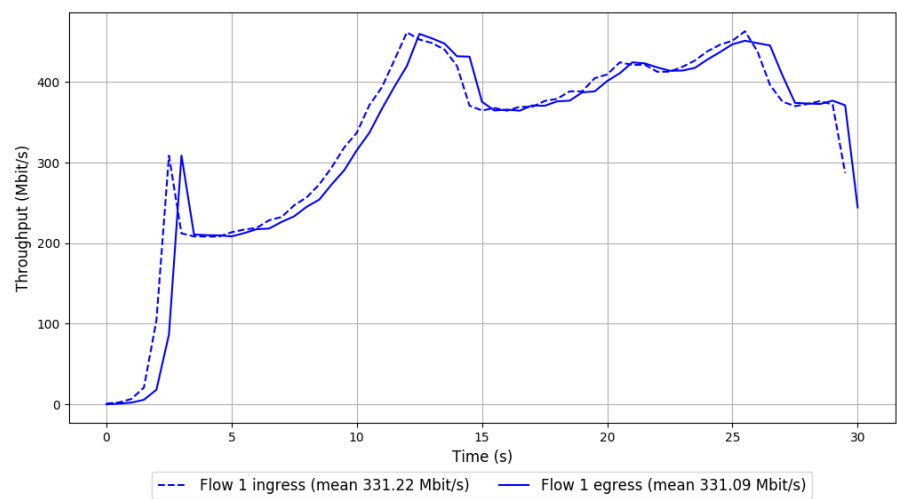
-- Flow 1:

Average throughput: 331.09 Mbit/s

95th percentile per-packet one-way delay: 57.621 ms

Loss rate: 0.40%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-06 03:25:05

End at: 2018-07-06 03:25:35

Local clock offset: 0.042 ms

Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2018-07-06 07:06:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 296.99 Mbit/s

95th percentile per-packet one-way delay: 60.814 ms

Loss rate: 0.50%

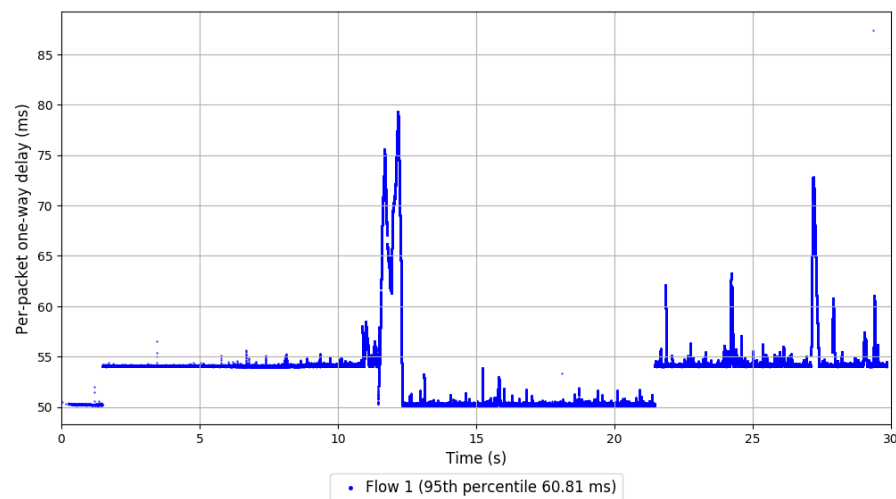
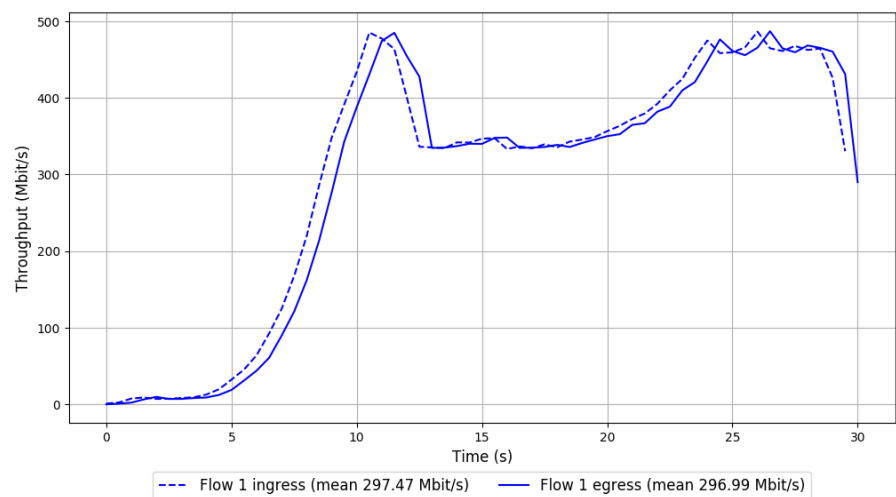
-- Flow 1:

Average throughput: 296.99 Mbit/s

95th percentile per-packet one-way delay: 60.814 ms

Loss rate: 0.50%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-06 03:46:21

End at: 2018-07-06 03:46:51

Local clock offset: 0.084 ms

Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2018-07-06 07:07:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 393.34 Mbit/s

95th percentile per-packet one-way delay: 56.644 ms

Loss rate: 0.63%

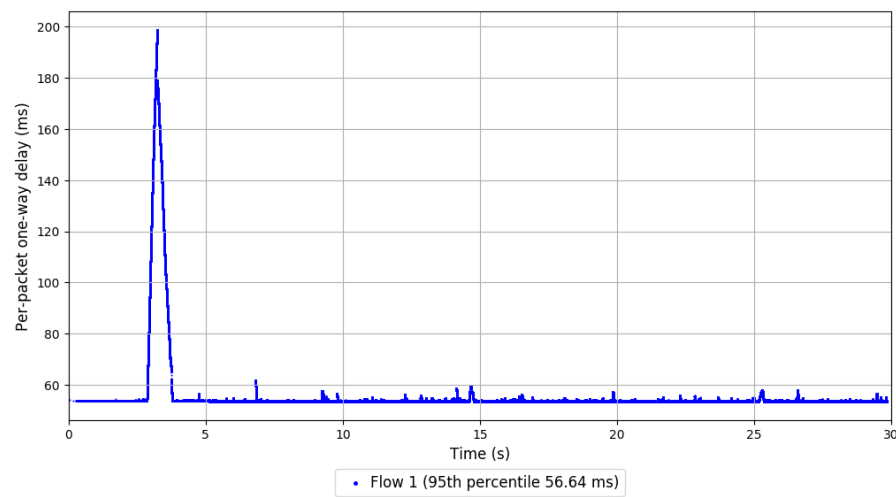
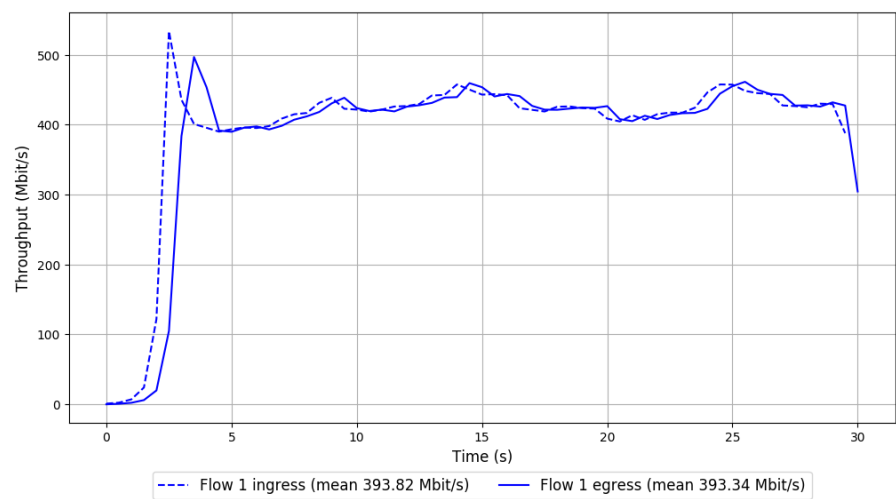
-- Flow 1:

Average throughput: 393.34 Mbit/s

95th percentile per-packet one-way delay: 56.644 ms

Loss rate: 0.63%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-06 04:08:25

End at: 2018-07-06 04:08:55

Local clock offset: -0.032 ms

Remote clock offset: 1.201 ms

# Below is generated by plot.py at 2018-07-06 07:07:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 382.43 Mbit/s

95th percentile per-packet one-way delay: 59.956 ms

Loss rate: 0.35%

-- Flow 1:

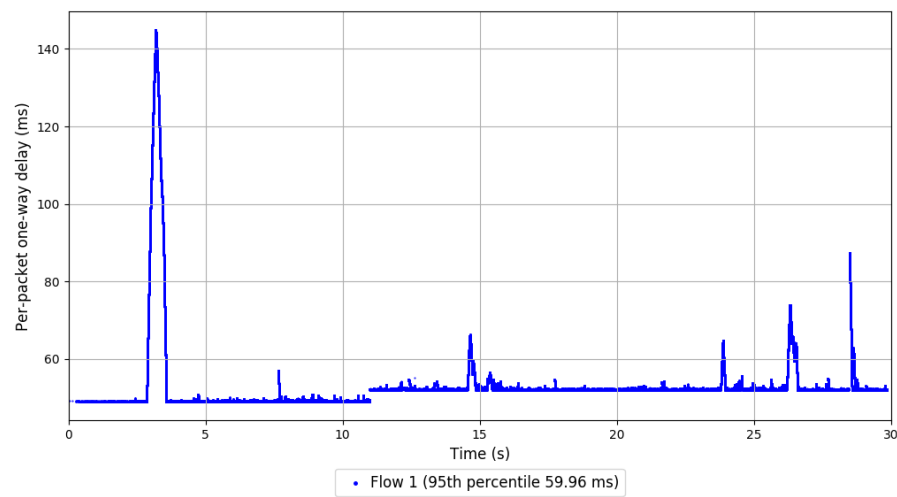
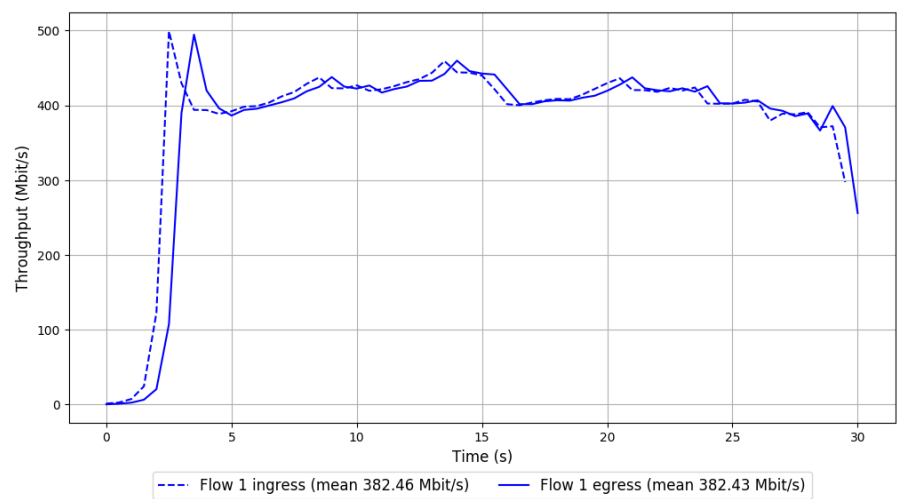
Average throughput: 382.43 Mbit/s

95th percentile per-packet one-way delay: 59.956 ms

Loss rate: 0.35%



Run 7: Report of PCC-Vivace — Data Link

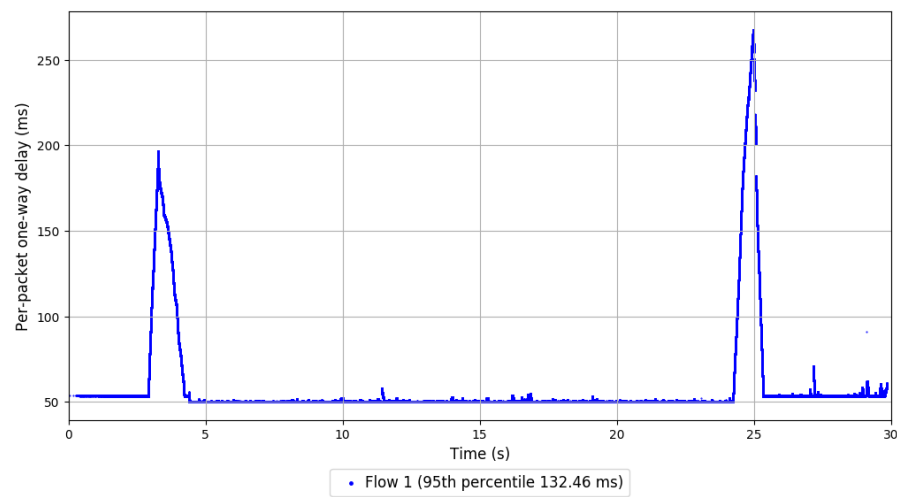
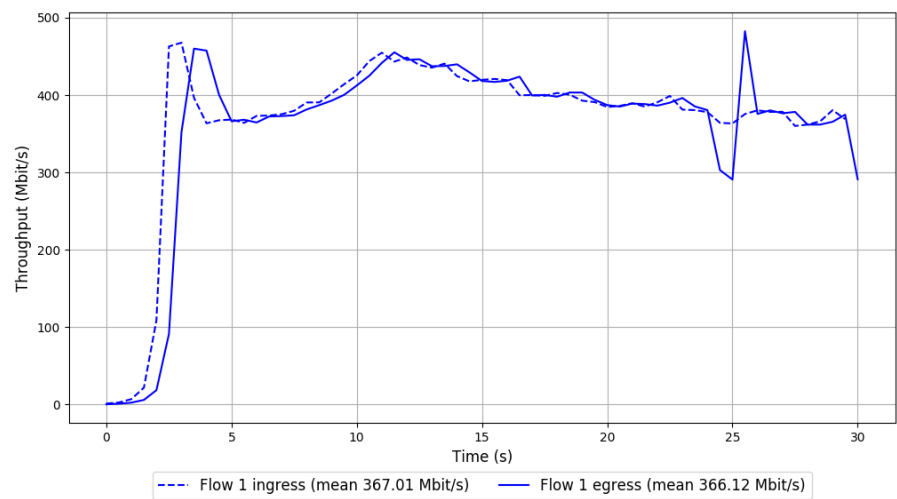


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-06 04:30:22  
End at: 2018-07-06 04:30:52  
Local clock offset: -0.039 ms  
Remote clock offset: -0.267 ms

# Below is generated by plot.py at 2018-07-06 07:07:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 366.12 Mbit/s  
95th percentile per-packet one-way delay: 132.462 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 366.12 Mbit/s  
95th percentile per-packet one-way delay: 132.462 ms  
Loss rate: 0.71%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-06 04:51:59

End at: 2018-07-06 04:52:29

Local clock offset: 0.072 ms

Remote clock offset: 0.161 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 384.46 Mbit/s

95th percentile per-packet one-way delay: 58.004 ms

Loss rate: 0.65%

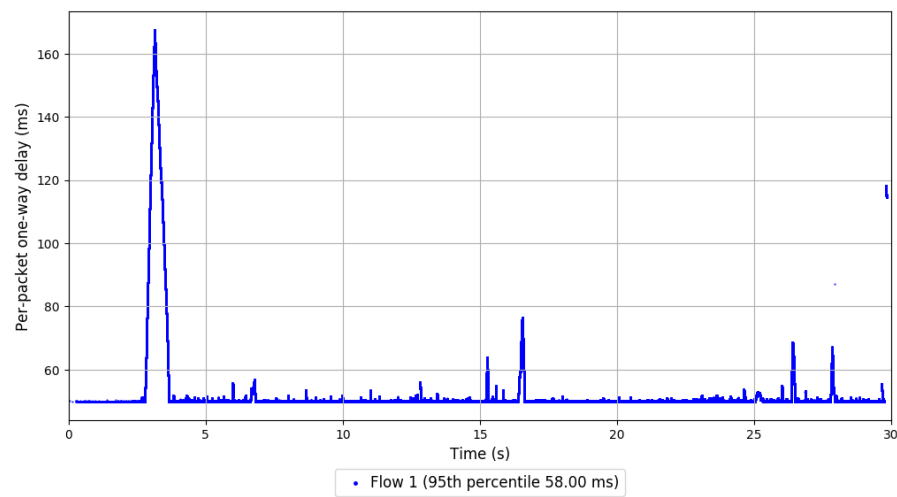
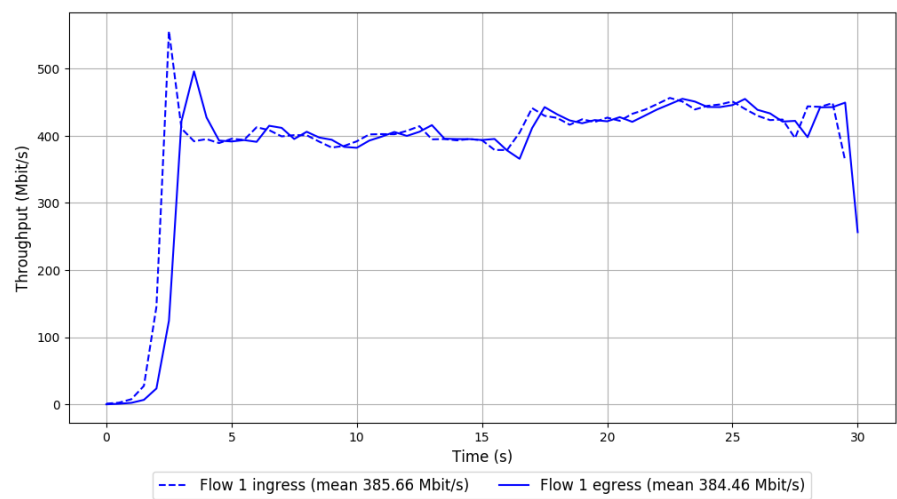
-- Flow 1:

Average throughput: 384.46 Mbit/s

95th percentile per-packet one-way delay: 58.004 ms

Loss rate: 0.65%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-06 05:13:47

End at: 2018-07-06 05:14:17

Local clock offset: -0.043 ms

Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 280.94 Mbit/s

95th percentile per-packet one-way delay: 52.585 ms

Loss rate: 0.34%

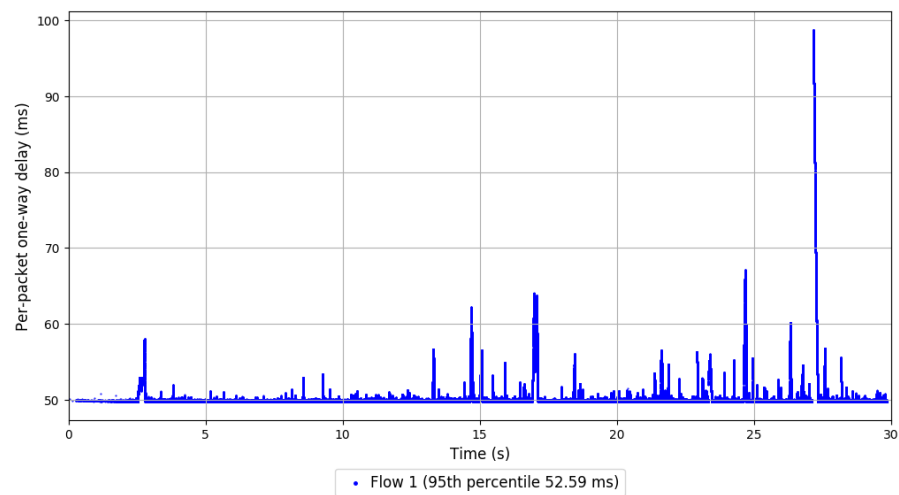
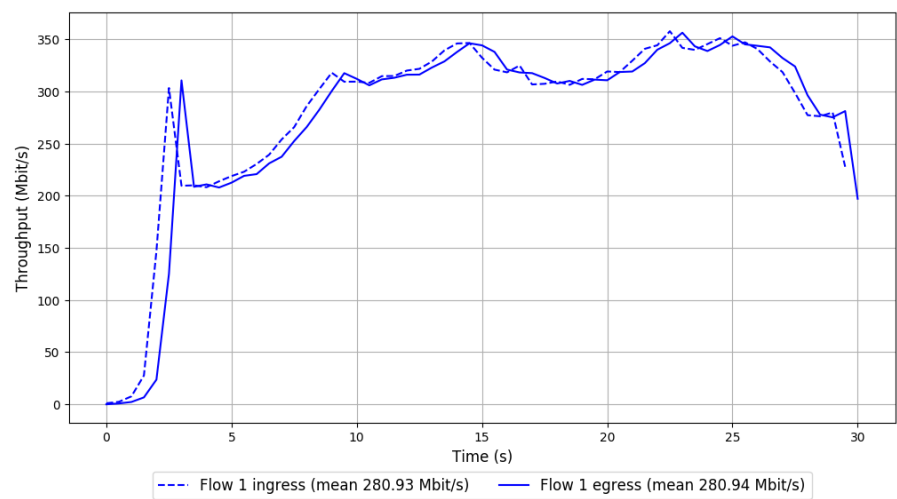
-- Flow 1:

Average throughput: 280.94 Mbit/s

95th percentile per-packet one-way delay: 52.585 ms

Loss rate: 0.34%

Run 10: Report of PCC-Vivace — Data Link



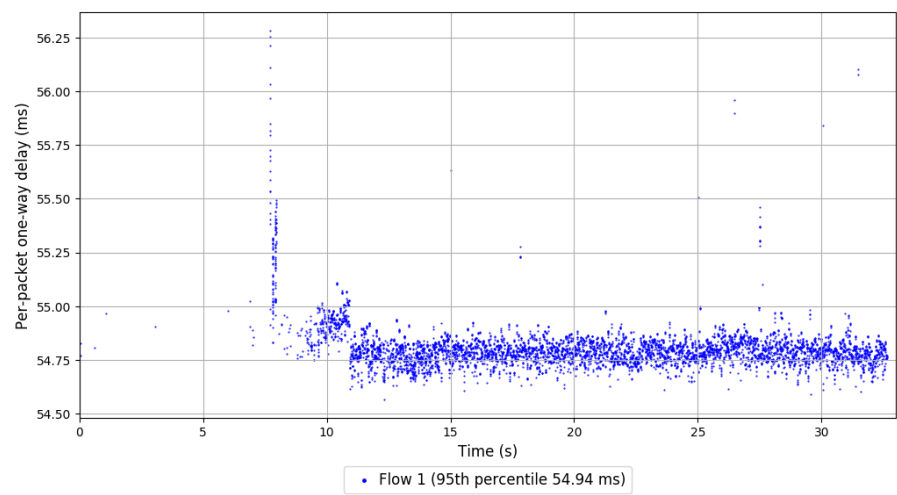
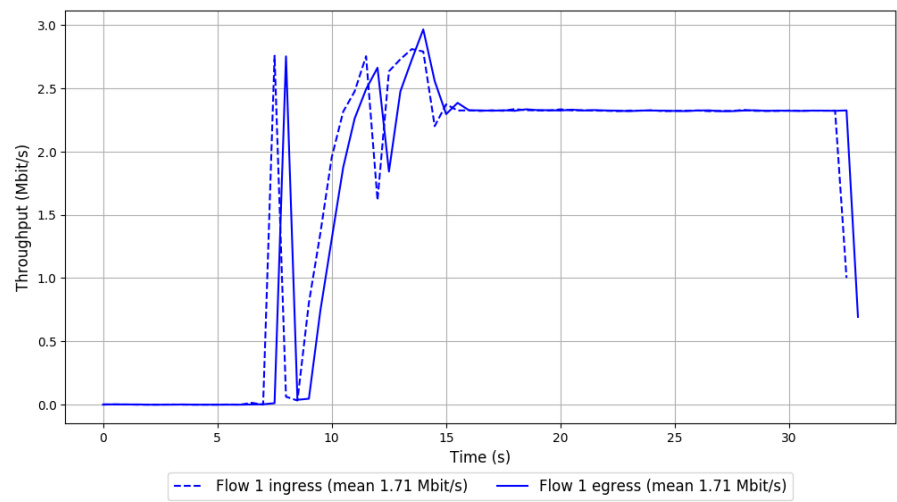
```
Run 1: Statistics of WebRTC media

Start at: 2018-07-06 01:43:38
End at: 2018-07-06 01:44:08
Local clock offset: -0.079 ms
Remote clock offset: -1.313 ms

# Below is generated by plot.py at 2018-07-06 07:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 54.936 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 54.936 ms
Loss rate: 0.48%
```



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-06 02:05:37

End at: 2018-07-06 02:06:07

Local clock offset: -0.069 ms

Remote clock offset: 1.247 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 49.038 ms

Loss rate: 0.42%

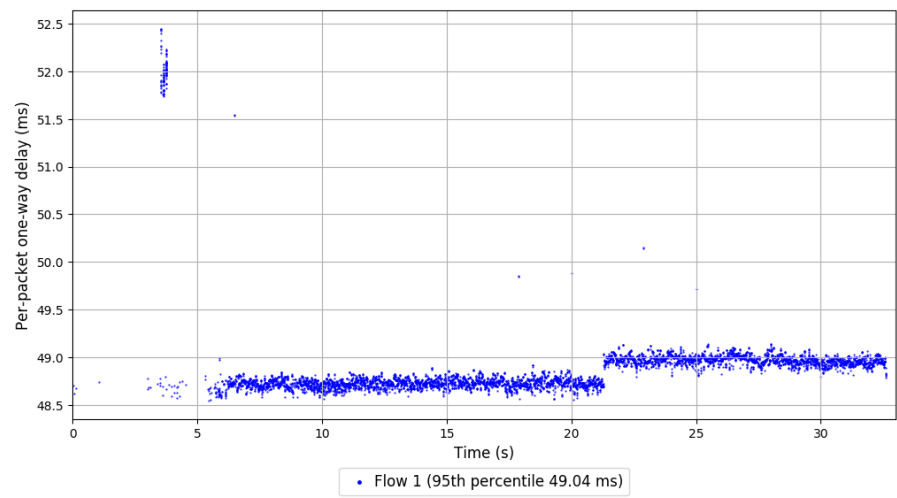
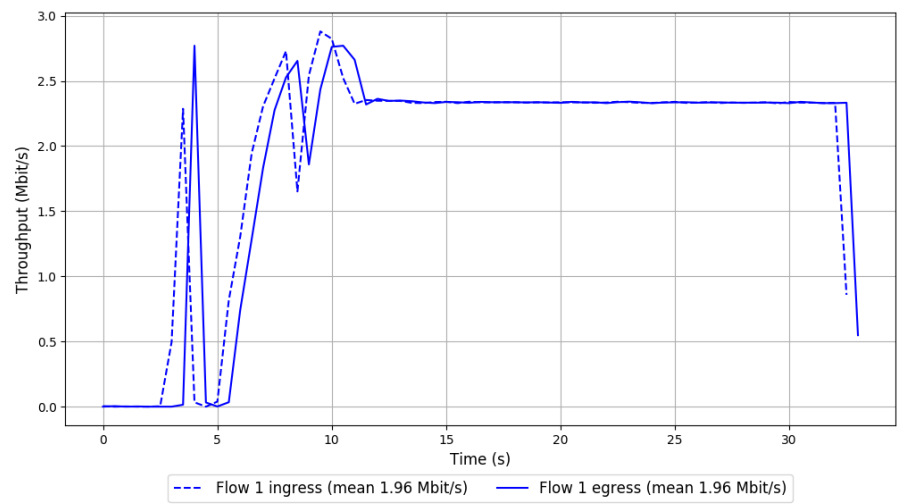
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 49.038 ms

Loss rate: 0.42%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-06 02:27:21

End at: 2018-07-06 02:27:52

Local clock offset: 0.14 ms

Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 54.131 ms

Loss rate: 0.36%

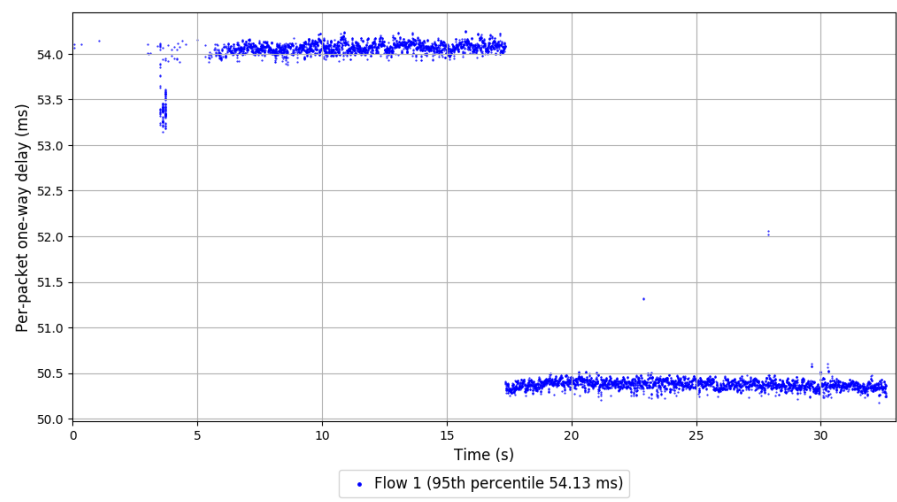
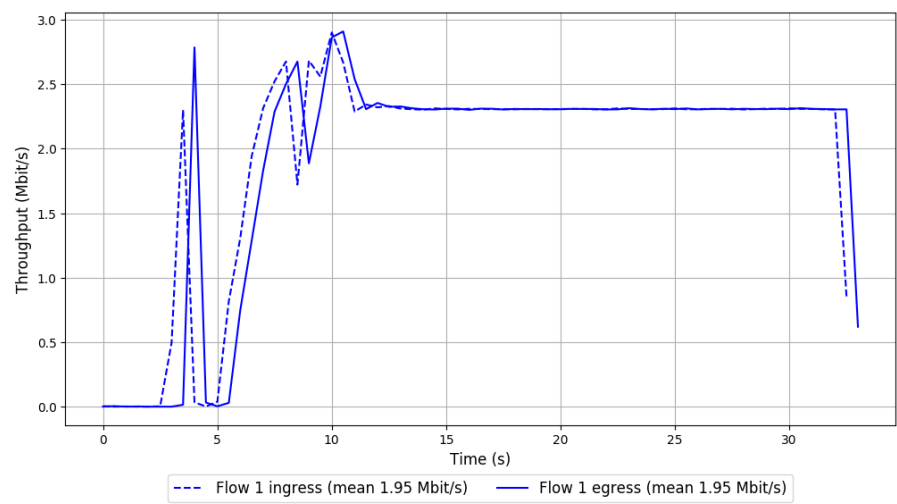
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 54.131 ms

Loss rate: 0.36%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-06 02:49:18

End at: 2018-07-06 02:49:48

Local clock offset: -0.141 ms

Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.788 ms

Loss rate: 0.36%

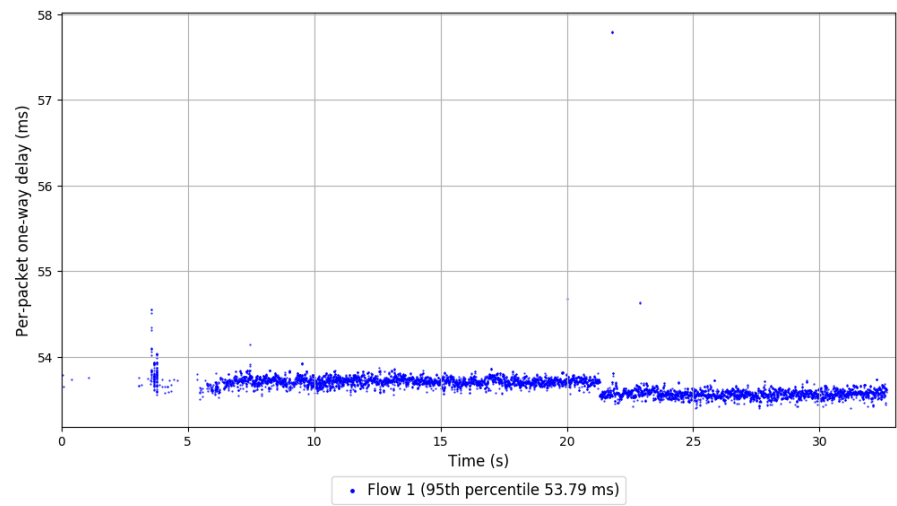
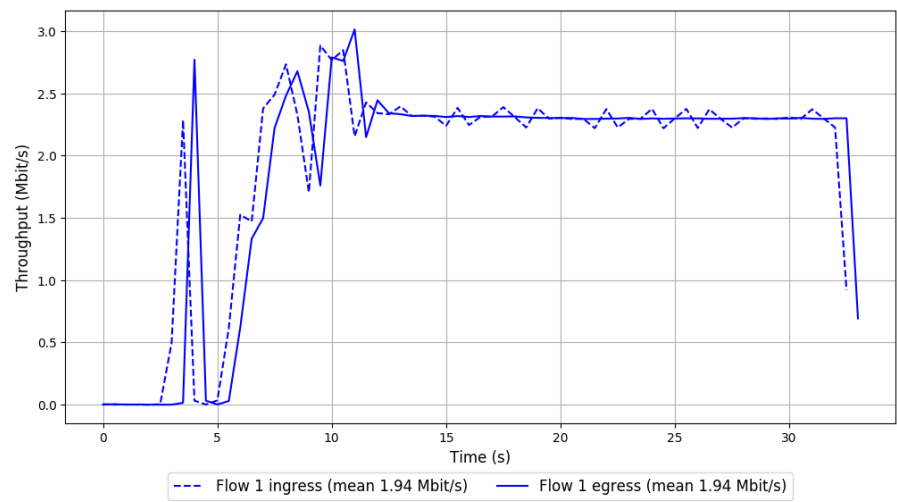
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.788 ms

Loss rate: 0.36%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-06 03:11:24

End at: 2018-07-06 03:11:54

Local clock offset: -0.126 ms

Remote clock offset: 1.131 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 52.668 ms

Loss rate: 0.37%

-- Flow 1:

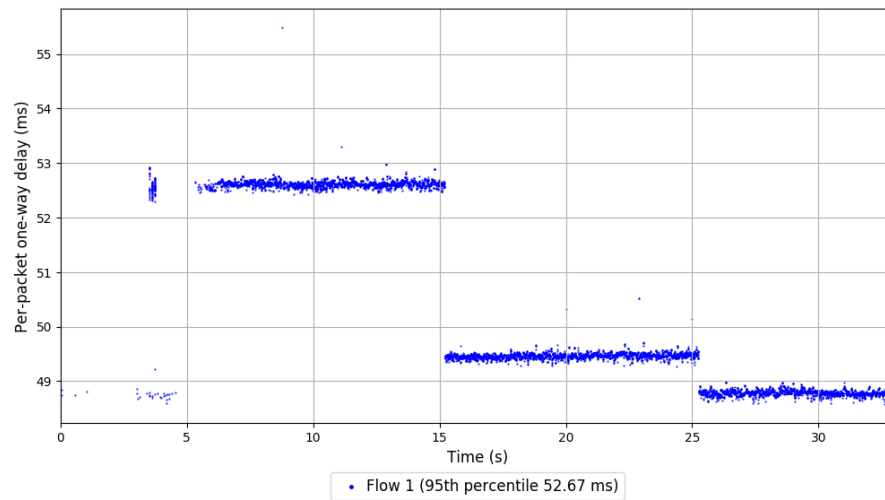
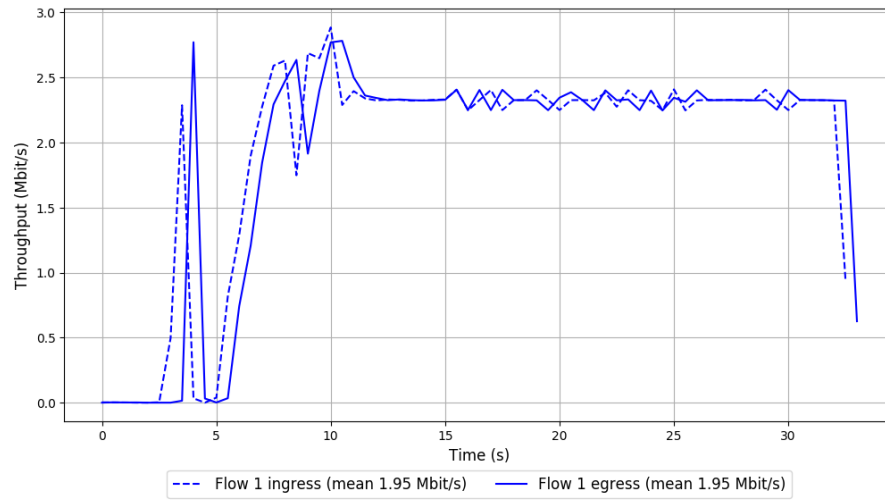
Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 52.668 ms

Loss rate: 0.37%



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



Run 6: Statistics of WebRTC media

Start at: 2018-07-06 03:32:51

End at: 2018-07-06 03:33:21

Local clock offset: -0.045 ms

Remote clock offset: 0.182 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.536 ms

Loss rate: 0.37%

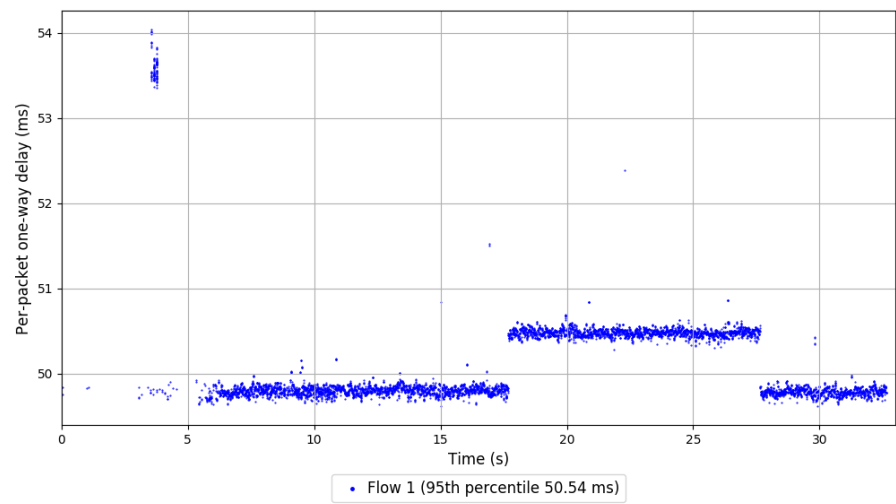
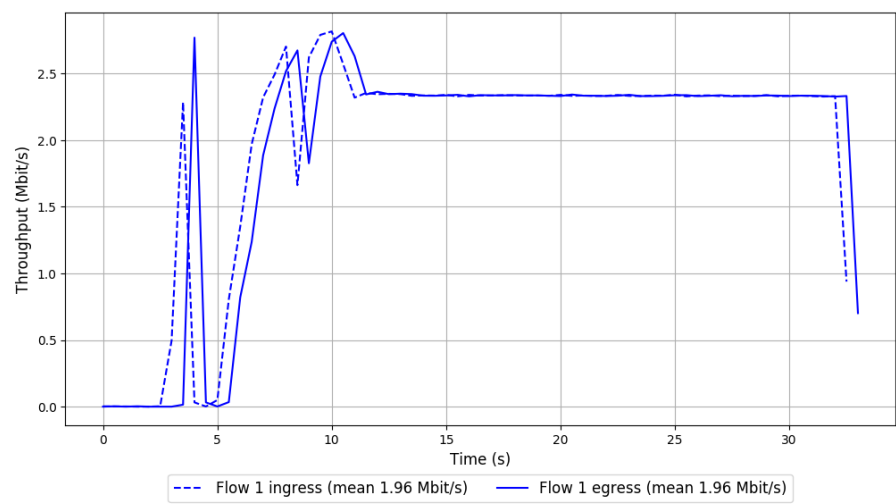
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.536 ms

Loss rate: 0.37%

Run 6: Report of WebRTC media — Data Link

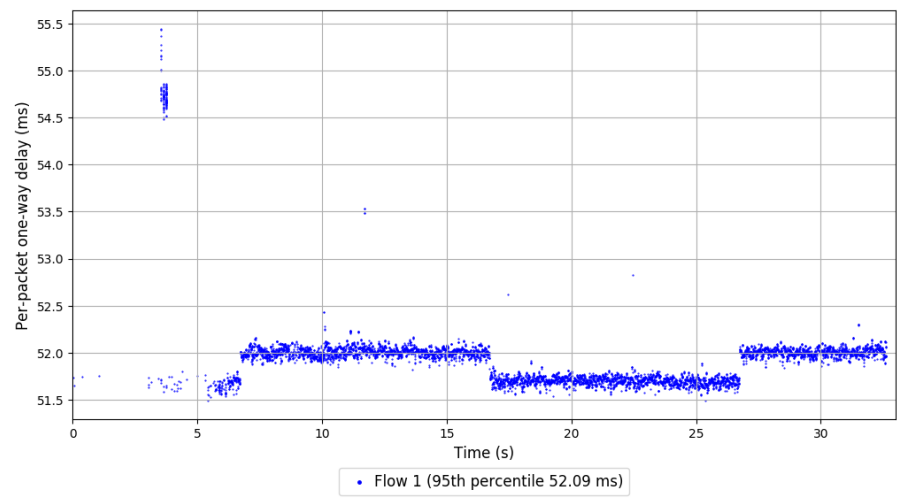
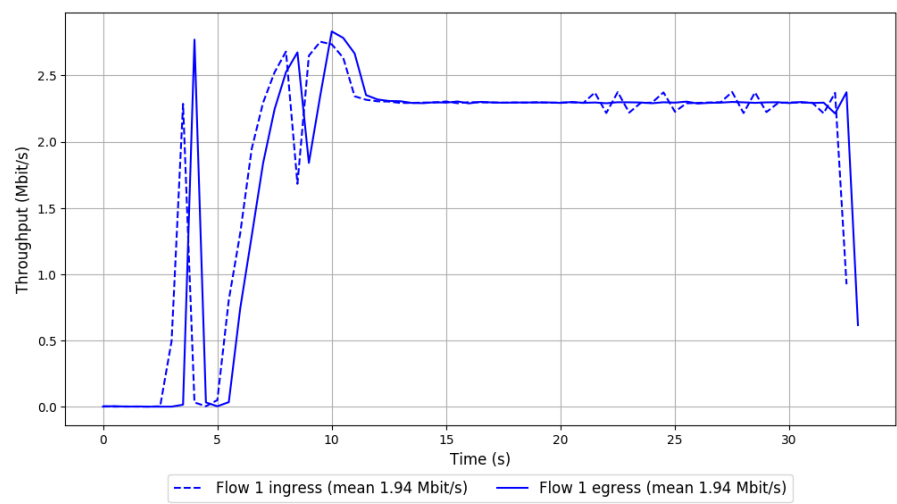


Run 7: Statistics of WebRTC media

Start at: 2018-07-06 03:54:42  
End at: 2018-07-06 03:55:12  
Local clock offset: -0.035 ms  
Remote clock offset: -1.371 ms

# Below is generated by plot.py at 2018-07-06 07:08:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.94 Mbit/s  
95th percentile per-packet one-way delay: 52.086 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 1.94 Mbit/s  
95th percentile per-packet one-way delay: 52.086 ms  
Loss rate: 0.42%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-06 04:16:23

End at: 2018-07-06 04:16:53

Local clock offset: 0.185 ms

Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.518 ms

Loss rate: 0.36%

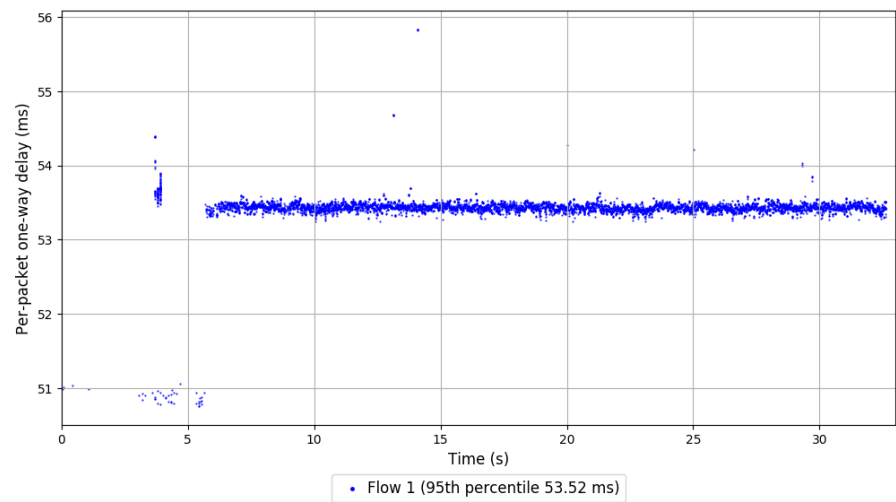
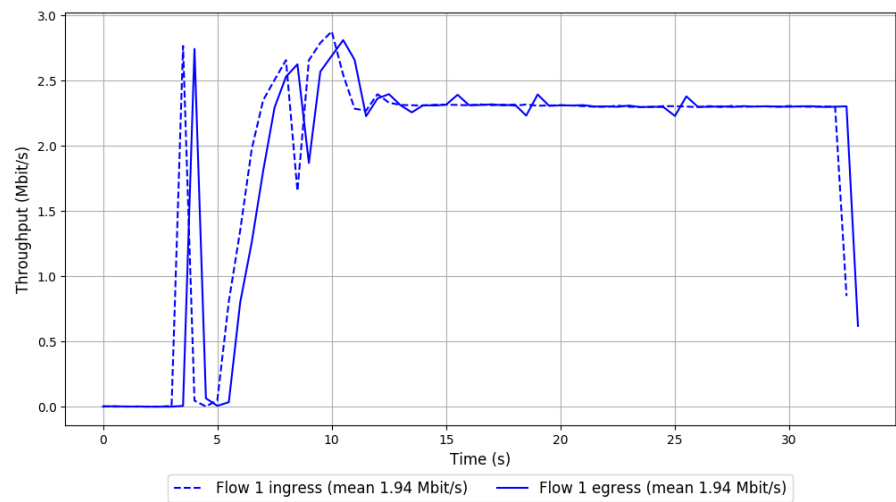
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.518 ms

Loss rate: 0.36%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-06 04:38:11

End at: 2018-07-06 04:38:41

Local clock offset: -0.216 ms

Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 53.595 ms

Loss rate: 0.36%

-- Flow 1:

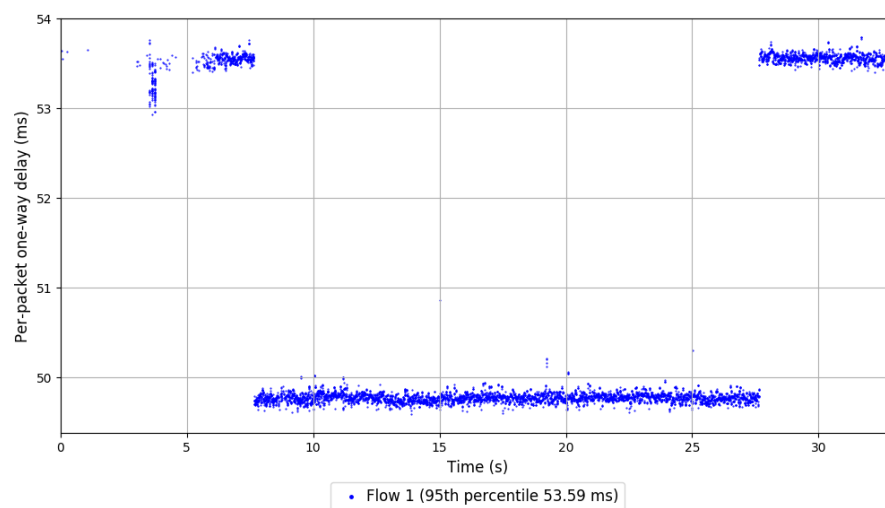
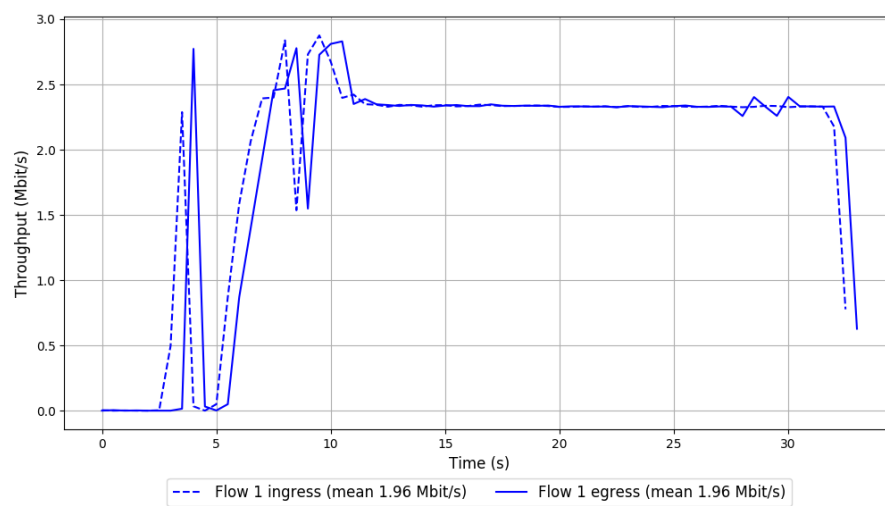
Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 53.595 ms

Loss rate: 0.36%



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



Run 10: Statistics of WebRTC media

Start at: 2018-07-06 04:59:46

End at: 2018-07-06 05:00:16

Local clock offset: -0.139 ms

Remote clock offset: 1.182 ms

# Below is generated by plot.py at 2018-07-06 07:08:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 49.507 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 49.507 ms

Loss rate: 0.36%

# Run 10: Report of WebRTC media — Data Link

