

## Pantheon Report

Generated at 2018-01-25 13:11:10 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

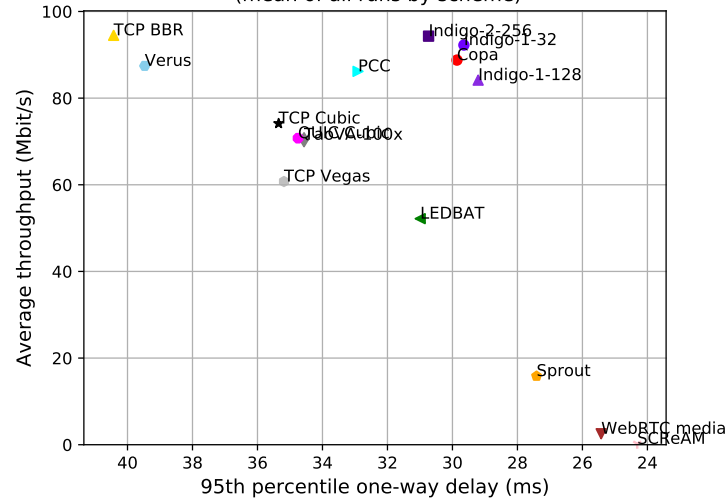
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

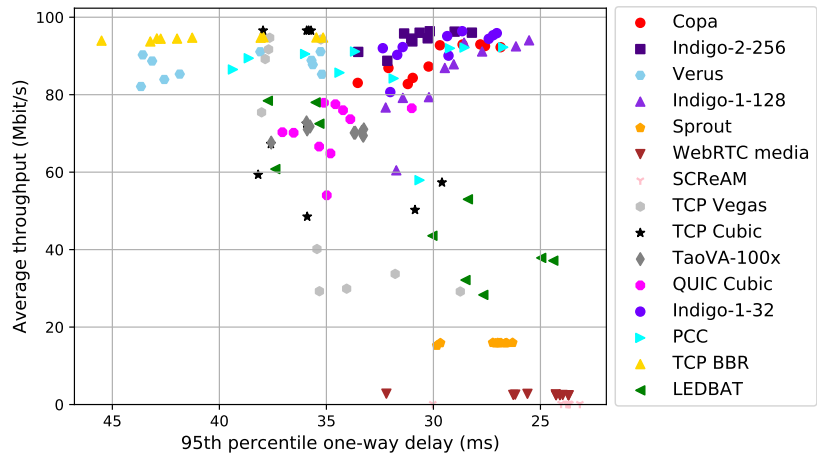
Git summary:

```
branch: master @ 636f858be90392c1dac0ee13c40fd1646f45f9e2
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme



| scheme       | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR      | 10     | 94.50                            | 40.43                               | 0.42                         |
| TCP Cubic    | 10     | 74.15                            | 35.35                               | 0.23                         |
| LEDBAT       | 10     | 52.18                            | 30.99                               | 0.27                         |
| PCC          | 10     | 86.18                            | 32.90                               | 0.37                         |
| QUIC Cubic   | 10     | 70.75                            | 34.75                               | 0.28                         |
| SCReAM       | 10     | 0.21                             | 24.31                               | 0.23                         |
| WebRTC media | 10     | 2.53                             | 25.42                               | 0.24                         |
| Sprout       | 10     | 15.85                            | 27.41                               | 0.19                         |
| TaoVA-100x   | 10     | 70.40                            | 34.57                               | 0.36                         |
| TCP Vegas    | 10     | 60.75                            | 35.18                               | 0.24                         |
| Verus        | 10     | 87.44                            | 39.47                               | 0.45                         |
| Copa         | 10     | 88.78                            | 29.86                               | 0.30                         |
| Indigo-2-256 | 10     | 94.31                            | 30.73                               | 0.29                         |
| Indigo-1-32  | 10     | 92.25                            | 29.65                               | 0.33                         |
| Indigo-1-128 | 10     | 84.16                            | 29.21                               | 0.47                         |

Run 1: Statistics of TCP BBR

Start at: 2018-01-25 05:46:45

End at: 2018-01-25 05:47:15

Local clock offset: 1.346 ms

Remote clock offset: 0.326 ms

# Below is generated by plot.py at 2018-01-25 12:51:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 43.226 ms

Loss rate: 0.85%

-- Flow 1:

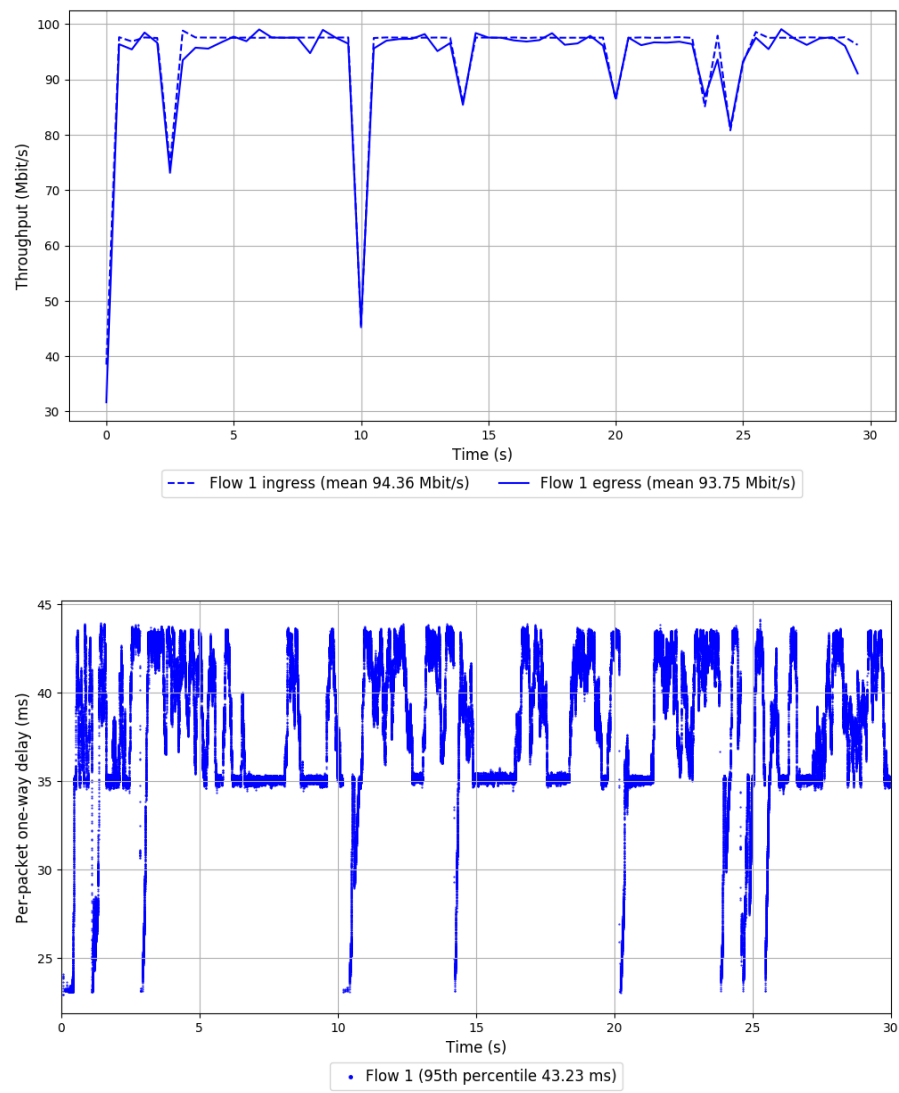
Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 43.226 ms

Loss rate: 0.85%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-25 06:08:24

End at: 2018-01-25 06:08:54

Local clock offset: 1.465 ms

Remote clock offset: 0.13 ms

# Below is generated by plot.py at 2018-01-25 12:51:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 41.976 ms

Loss rate: 0.48%

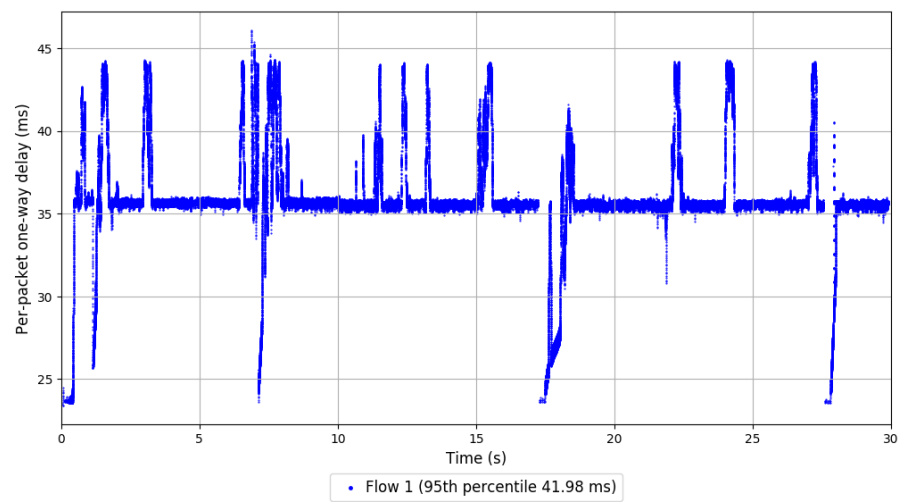
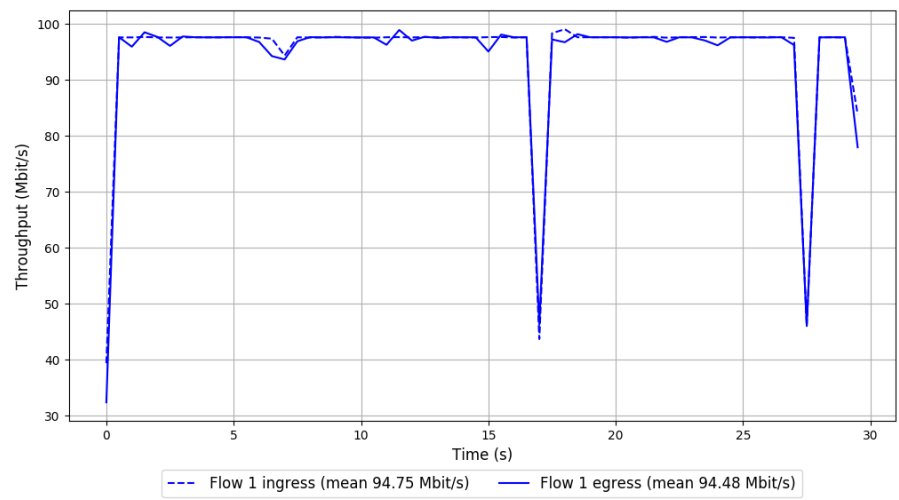
-- Flow 1:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 41.976 ms

Loss rate: 0.48%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-25 06:30:01

End at: 2018-01-25 06:30:31

Local clock offset: 1.606 ms

Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-01-25 12:51:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 42.743 ms

Loss rate: 0.44%

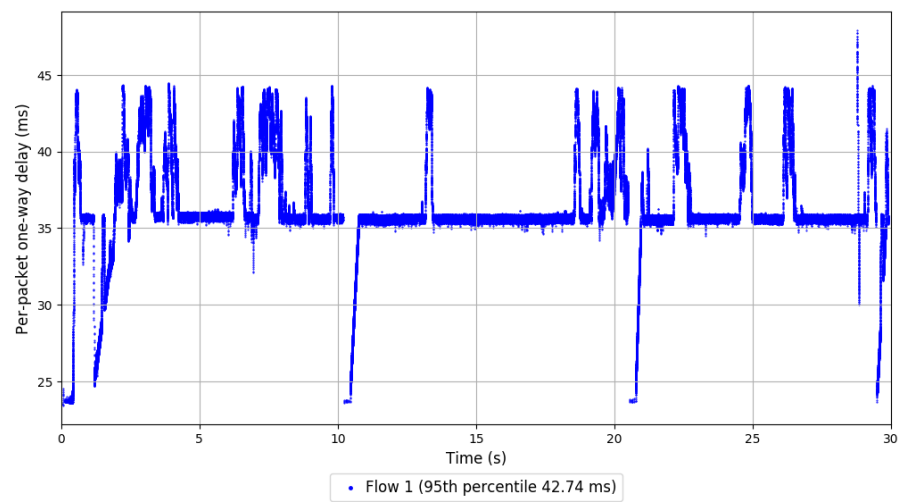
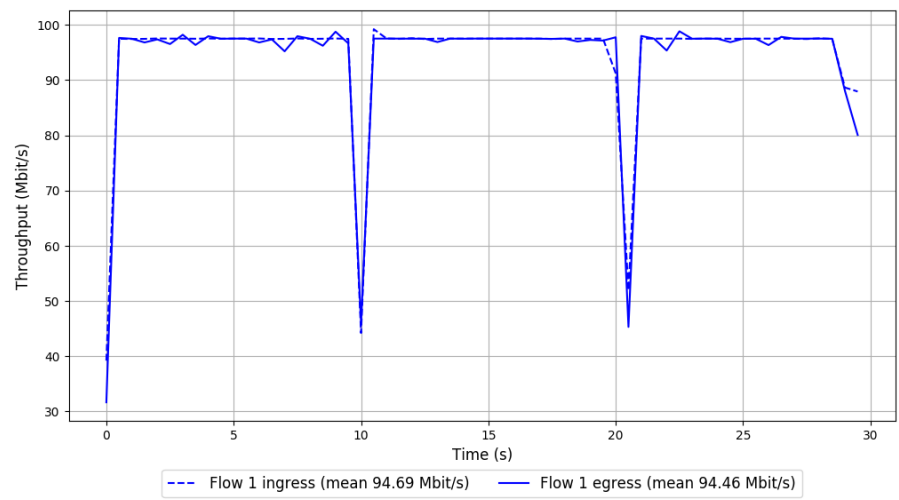
-- Flow 1:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 42.743 ms

Loss rate: 0.44%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-25 06:51:16

End at: 2018-01-25 06:51:46

Local clock offset: 1.705 ms

Remote clock offset: 0.371 ms

# Below is generated by plot.py at 2018-01-25 12:51:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 41.269 ms

Loss rate: 0.33%

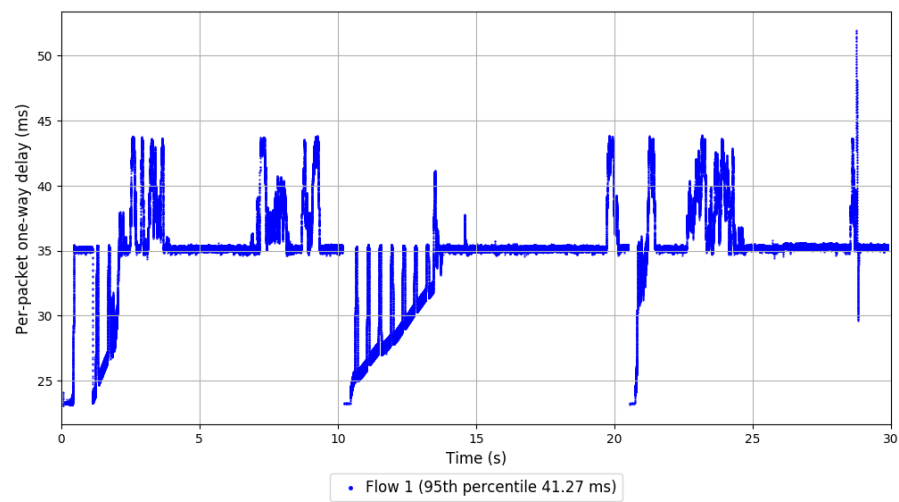
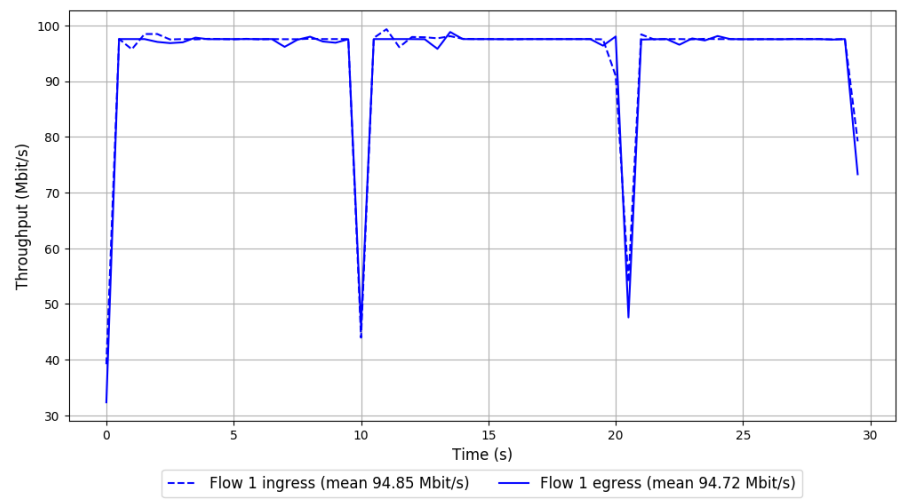
-- Flow 1:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 41.269 ms

Loss rate: 0.33%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-25 07:12:34

End at: 2018-01-25 07:13:04

Local clock offset: 1.76 ms

Remote clock offset: -1.959 ms

# Below is generated by plot.py at 2018-01-25 12:51:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 45.505 ms

Loss rate: 0.63%

-- Flow 1:

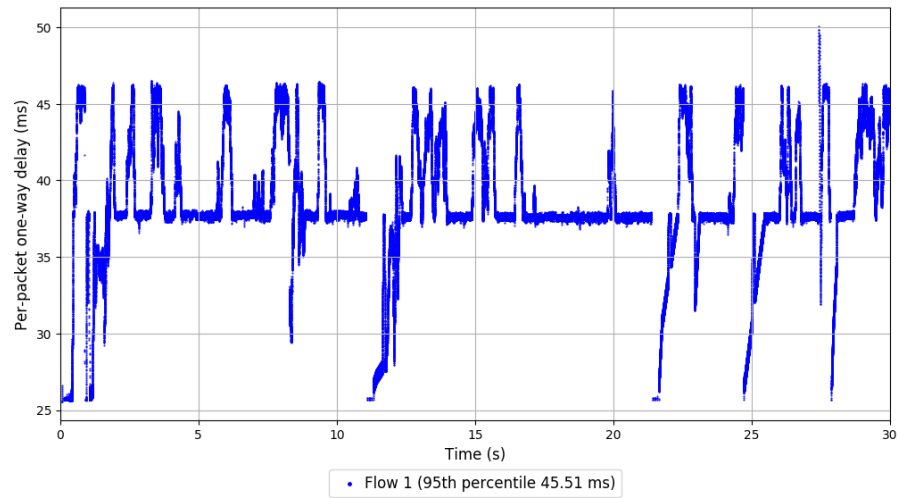
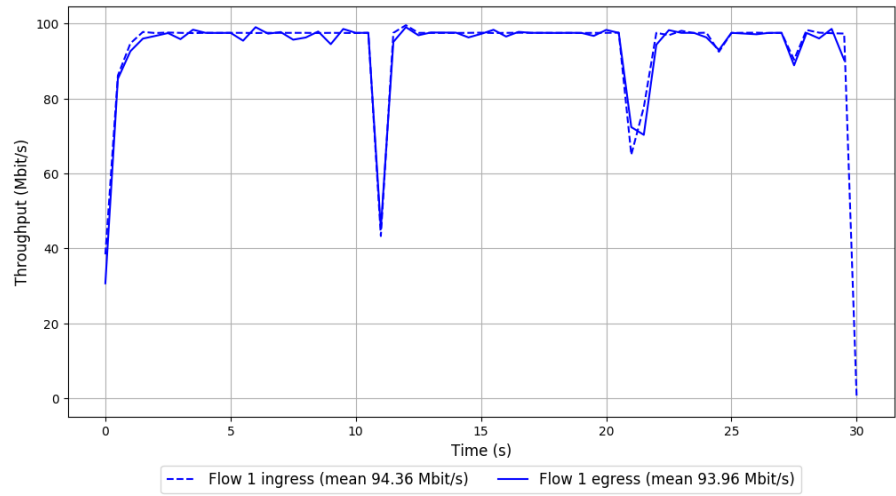
Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 45.505 ms

Loss rate: 0.63%



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



Run 6: Statistics of TCP BBR

Start at: 2018-01-25 07:33:59

End at: 2018-01-25 07:34:29

Local clock offset: 1.874 ms

Remote clock offset: -1.844 ms

# Below is generated by plot.py at 2018-01-25 12:51:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 37.937 ms

Loss rate: 0.22%

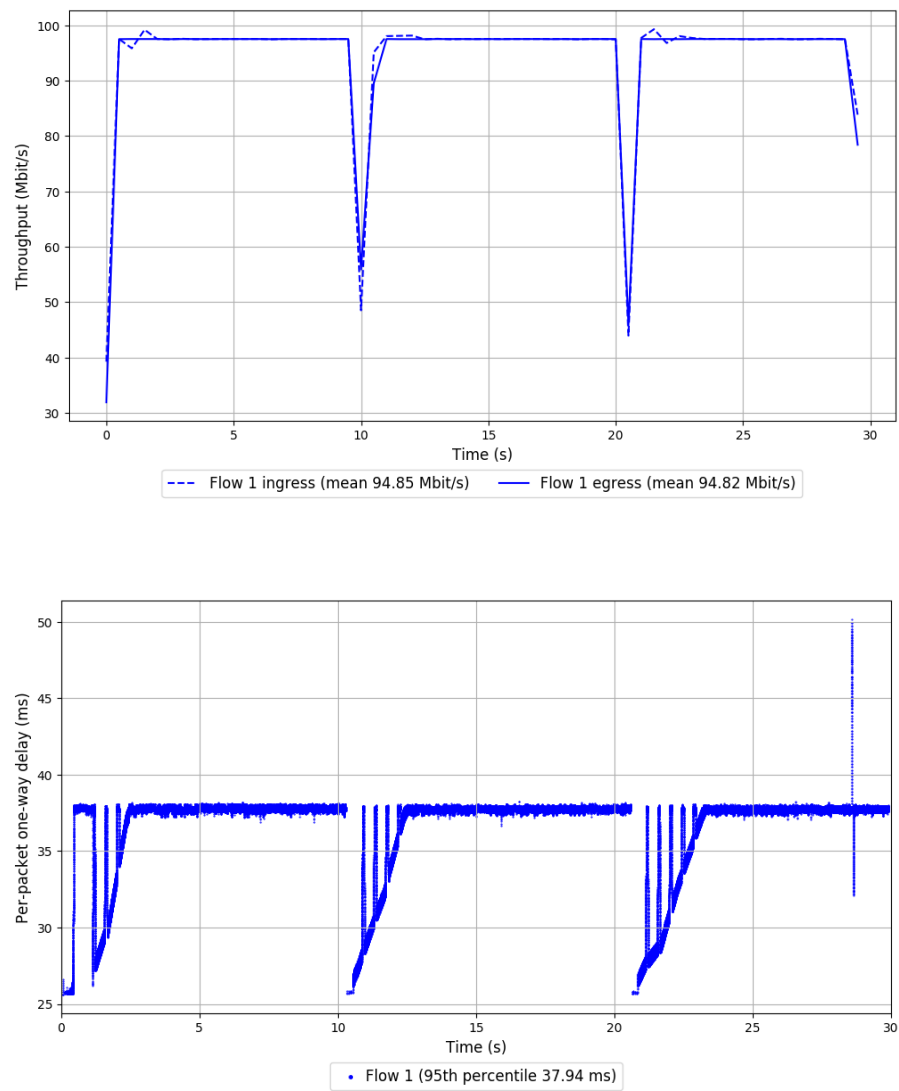
-- Flow 1:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 37.937 ms

Loss rate: 0.22%

Run 6: Report of TCP BBR — Data Link

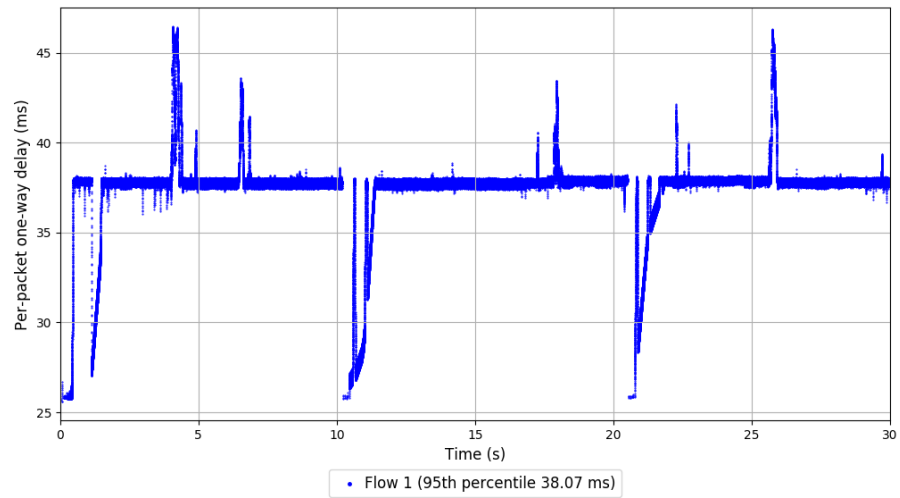
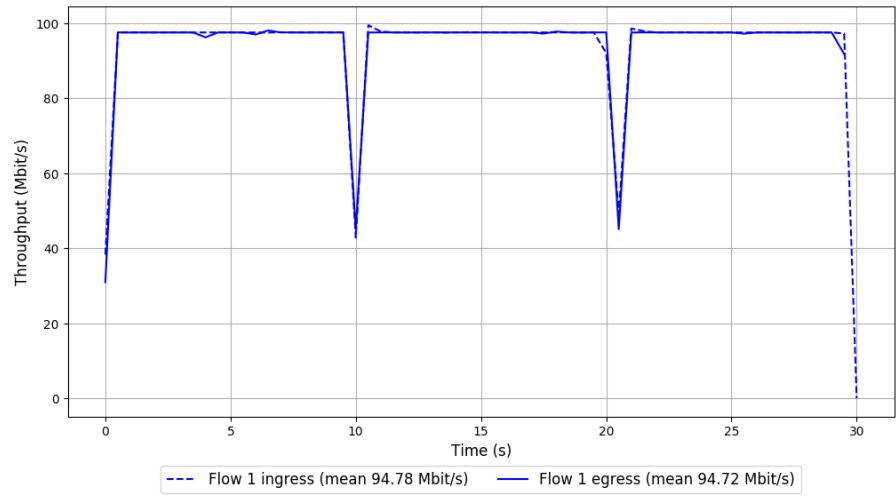


Run 7: Statistics of TCP BBR

Start at: 2018-01-25 07:55:16  
End at: 2018-01-25 07:55:46  
Local clock offset: 1.907 ms  
Remote clock offset: -1.882 ms

# Below is generated by plot.py at 2018-01-25 12:51:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.72 Mbit/s  
95th percentile per-packet one-way delay: 38.071 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 94.72 Mbit/s  
95th percentile per-packet one-way delay: 38.071 ms  
Loss rate: 0.26%

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



Run 8: Statistics of TCP BBR

Start at: 2018-01-25 08:16:37

End at: 2018-01-25 08:17:07

Local clock offset: 1.828 ms

Remote clock offset: 0.519 ms

# Below is generated by plot.py at 2018-01-25 12:51:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.75 Mbit/s

95th percentile per-packet one-way delay: 35.153 ms

Loss rate: 0.26%

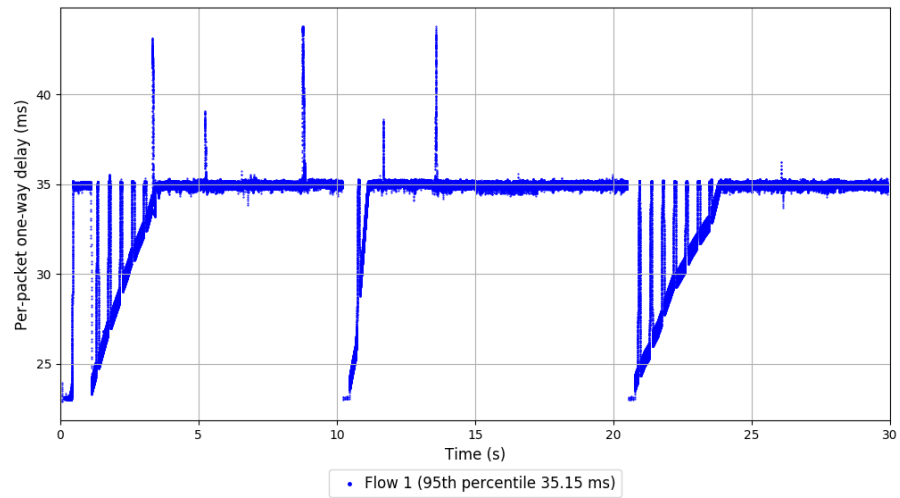
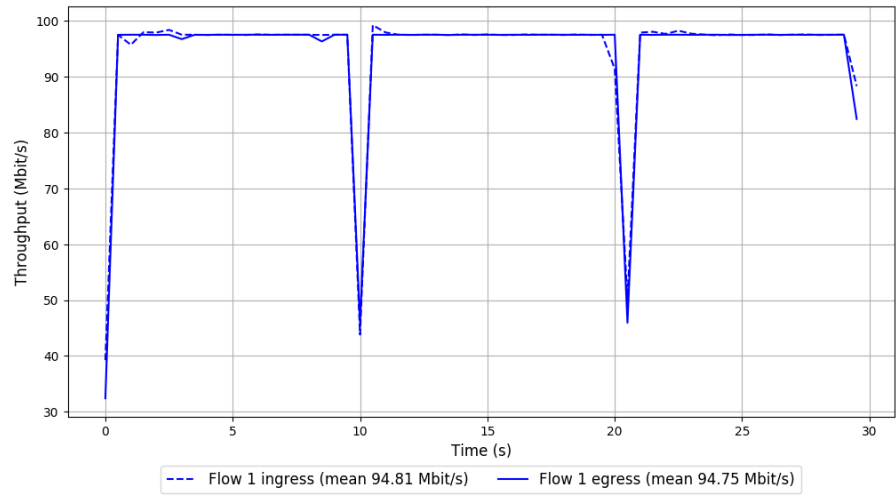
-- Flow 1:

Average throughput: 94.75 Mbit/s

95th percentile per-packet one-way delay: 35.153 ms

Loss rate: 0.26%

# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-25 08:37:55

End at: 2018-01-25 08:38:25

Local clock offset: 1.82 ms

Remote clock offset: -2.025 ms

# Below is generated by plot.py at 2018-01-25 12:53:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 42.922 ms

Loss rate: 0.47%

-- Flow 1:

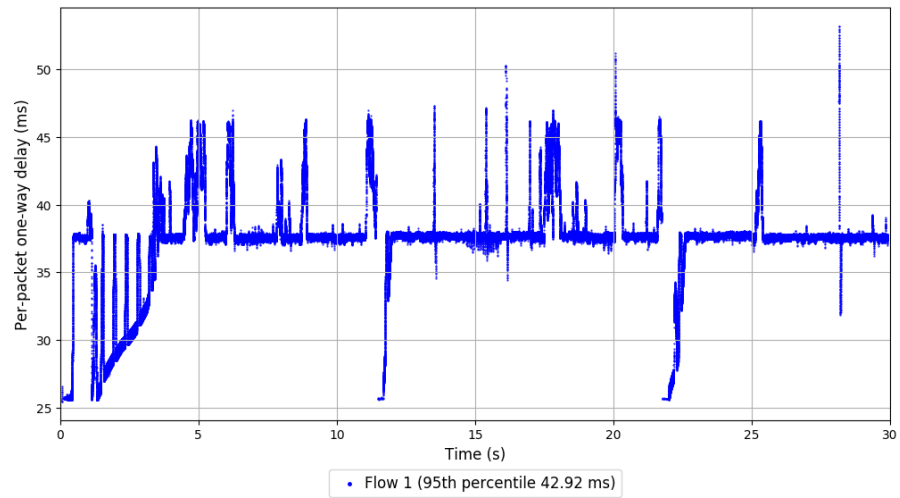
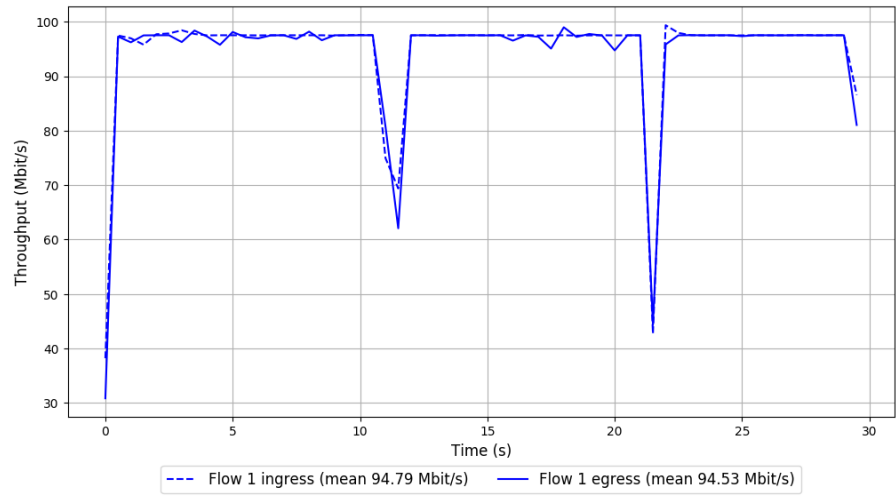
Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 42.922 ms

Loss rate: 0.47%



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



Run 10: Statistics of TCP BBR

Start at: 2018-01-25 08:59:19

End at: 2018-01-25 08:59:49

Local clock offset: 1.923 ms

Remote clock offset: 0.385 ms

# Below is generated by plot.py at 2018-01-25 12:53:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 35.468 ms

Loss rate: 0.23%

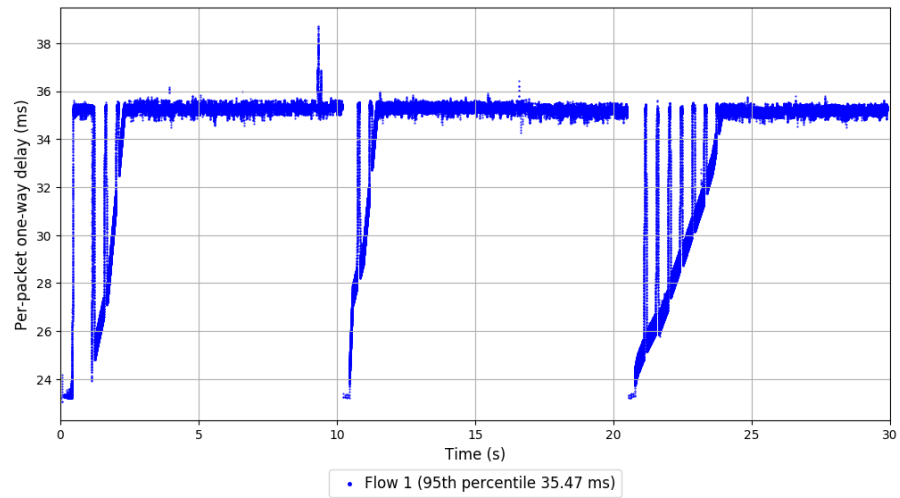
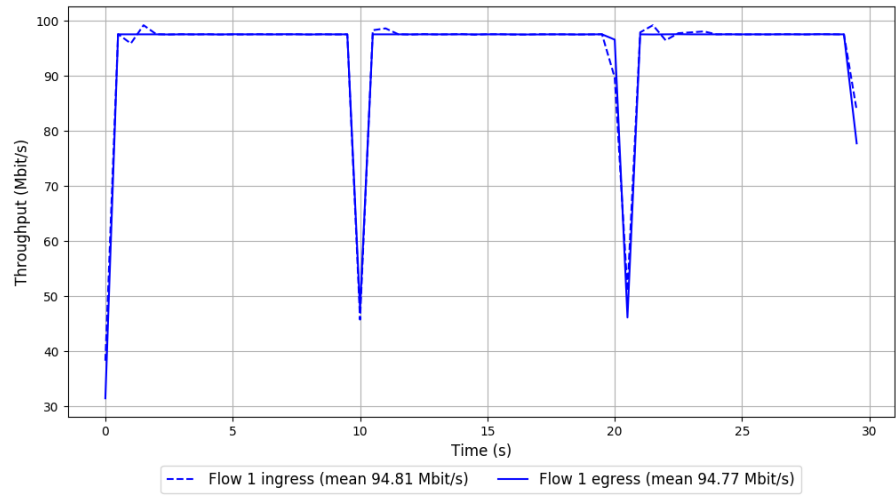
-- Flow 1:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 35.468 ms

Loss rate: 0.23%

# Run 10: Report of TCP BBR — Data Link

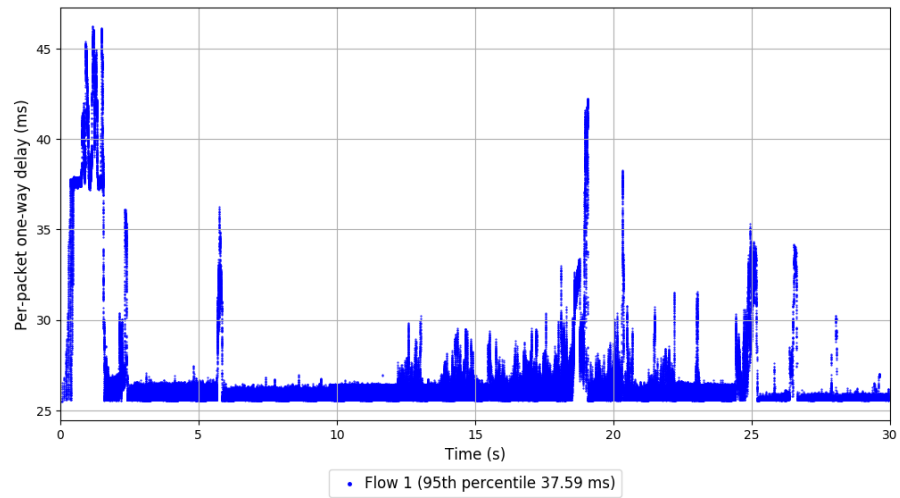
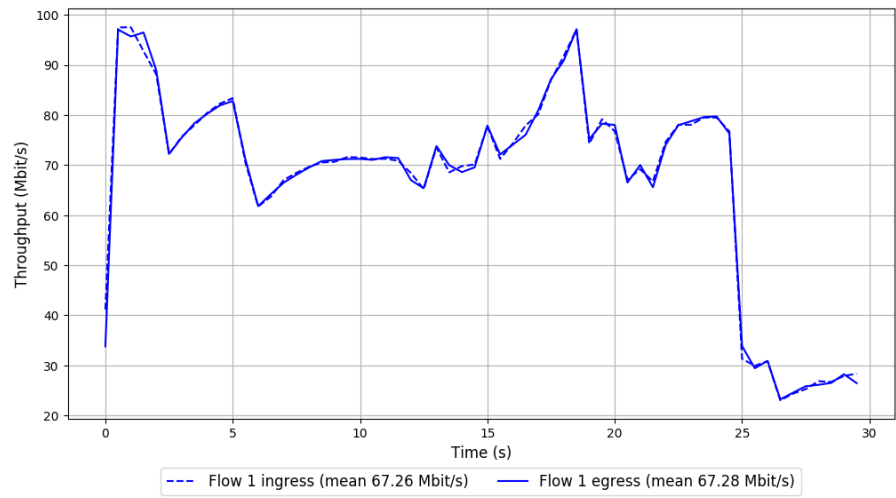


Run 1: Statistics of TCP Cubic

Start at: 2018-01-25 05:54:37  
End at: 2018-01-25 05:55:07  
Local clock offset: 1.297 ms  
Remote clock offset: -2.148 ms

# Below is generated by plot.py at 2018-01-25 12:53:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.28 Mbit/s  
95th percentile per-packet one-way delay: 37.593 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 67.28 Mbit/s  
95th percentile per-packet one-way delay: 37.593 ms  
Loss rate: 0.16%

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



Run 2: Statistics of TCP Cubic

Start at: 2018-01-25 06:16:29

End at: 2018-01-25 06:17:00

Local clock offset: 1.525 ms

Remote clock offset: 0.579 ms

# Below is generated by plot.py at 2018-01-25 12:53:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.34 Mbit/s

95th percentile per-packet one-way delay: 29.600 ms

Loss rate: 0.17%

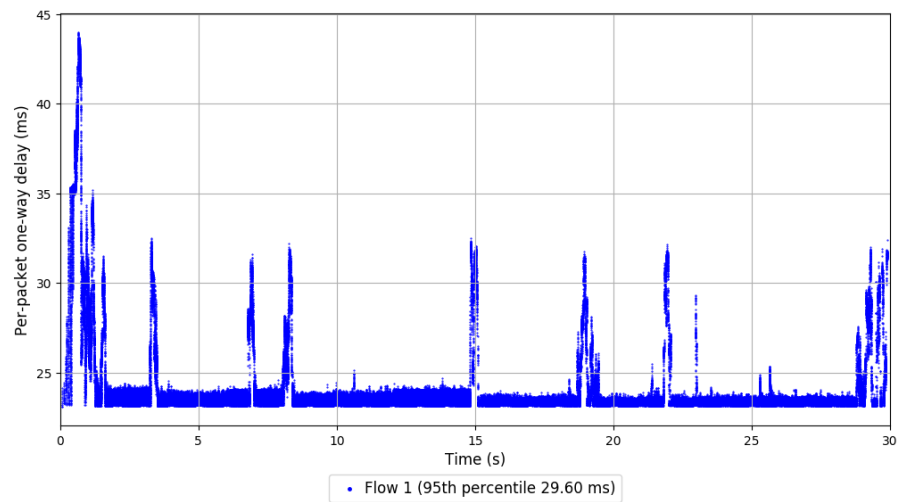
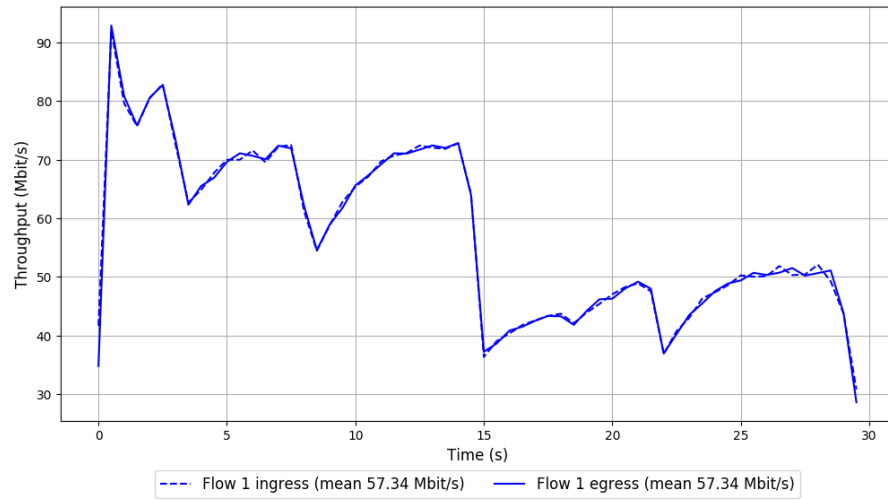
-- Flow 1:

Average throughput: 57.34 Mbit/s

95th percentile per-packet one-way delay: 29.600 ms

Loss rate: 0.17%

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



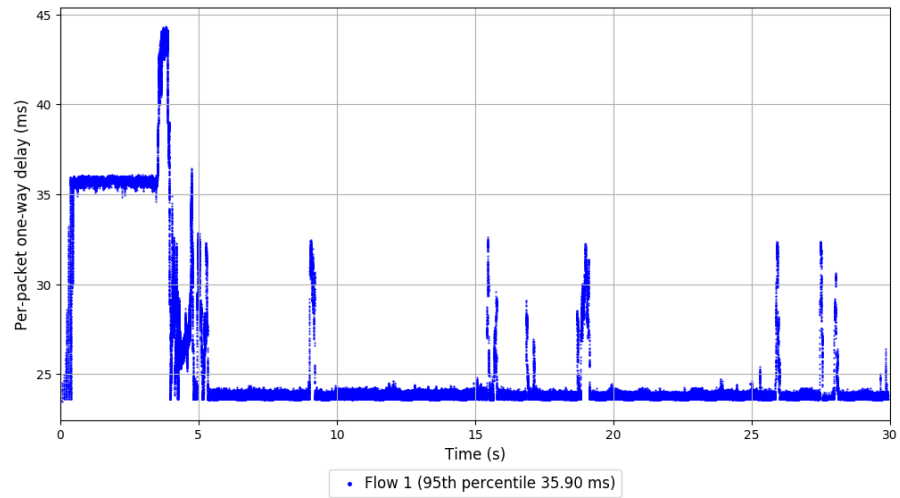
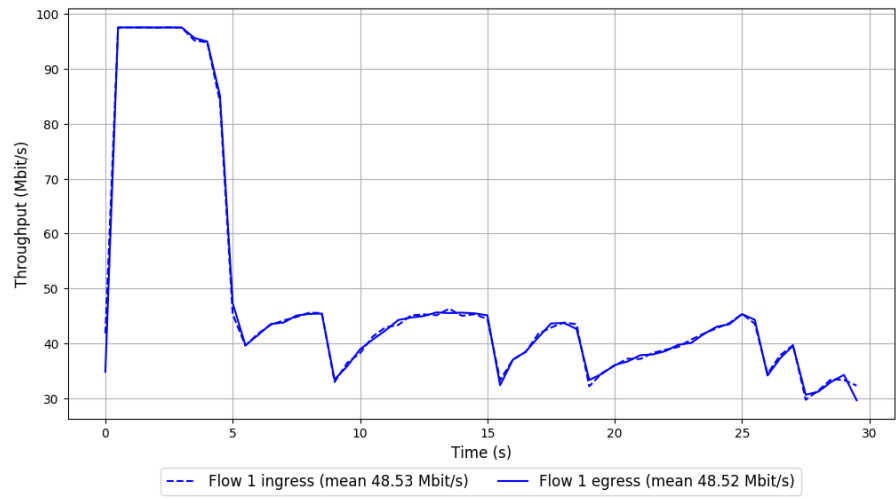
Run 3: Statistics of TCP Cubic

Start at: 2018-01-25 06:37:50  
End at: 2018-01-25 06:38:20  
Local clock offset: 1.59 ms  
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2018-01-25 12:53:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.52 Mbit/s  
95th percentile per-packet one-way delay: 35.897 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 48.52 Mbit/s  
95th percentile per-packet one-way delay: 35.897 ms  
Loss rate: 0.21%



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

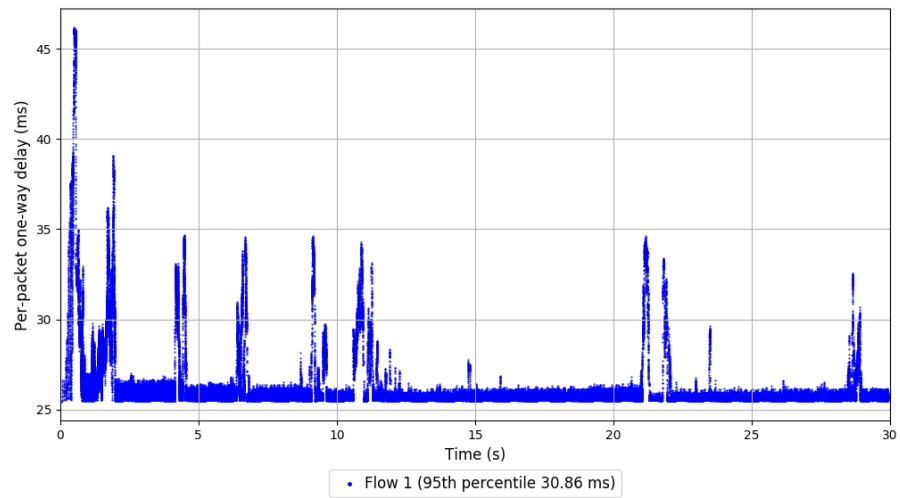
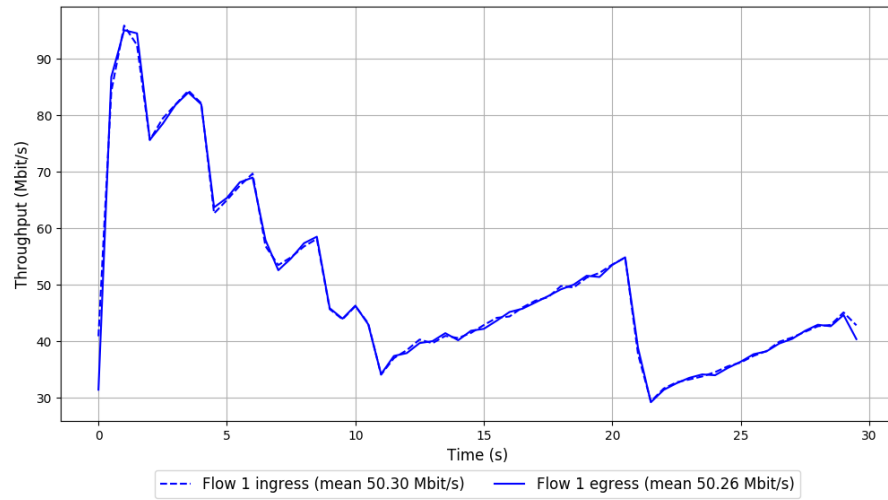


Run 4: Statistics of TCP Cubic

Start at: 2018-01-25 06:59:06  
End at: 2018-01-25 06:59:36  
Local clock offset: 1.681 ms  
Remote clock offset: -1.996 ms

# Below is generated by plot.py at 2018-01-25 12:53:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.26 Mbit/s  
95th percentile per-packet one-way delay: 30.860 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 50.26 Mbit/s  
95th percentile per-packet one-way delay: 30.860 ms  
Loss rate: 0.27%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-01-25 07:20:28

End at: 2018-01-25 07:20:58

Local clock offset: 1.779 ms

Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-01-25 12:53:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 35.921 ms

Loss rate: 0.22%

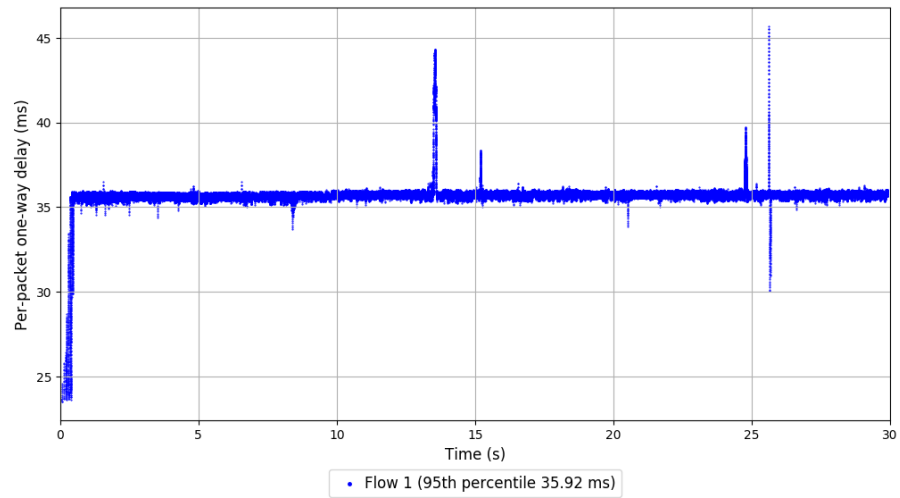
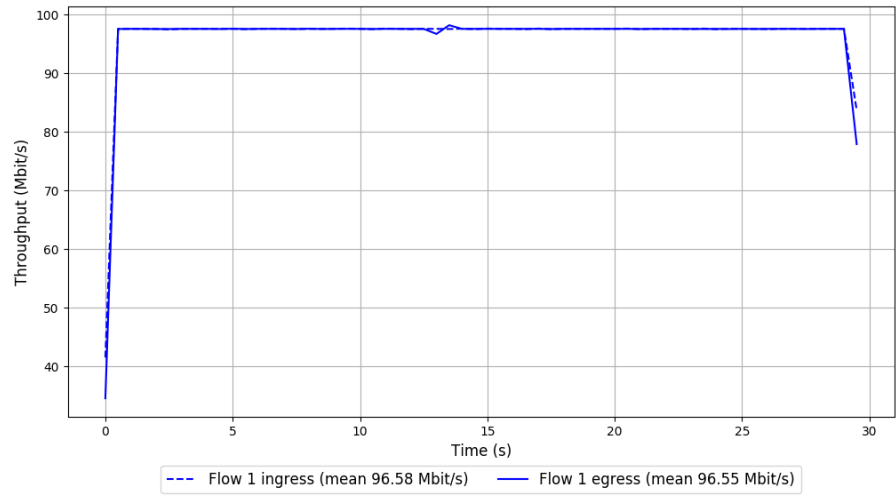
-- Flow 1:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 35.921 ms

Loss rate: 0.22%

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



Run 6: Statistics of TCP Cubic

Start at: 2018-01-25 07:41:54

End at: 2018-01-25 07:42:24

Local clock offset: 1.892 ms

Remote clock offset: 0.122 ms

# Below is generated by plot.py at 2018-01-25 12:53:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.52 Mbit/s

95th percentile per-packet one-way delay: 35.937 ms

Loss rate: 0.25%

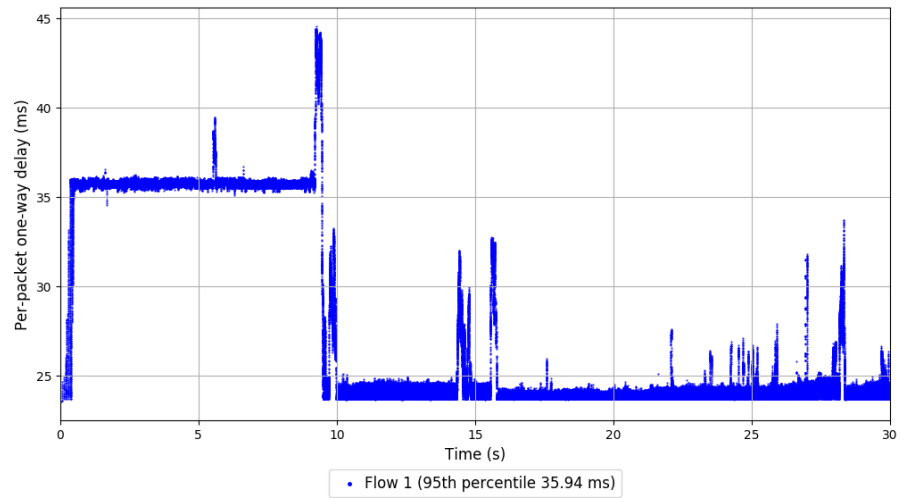
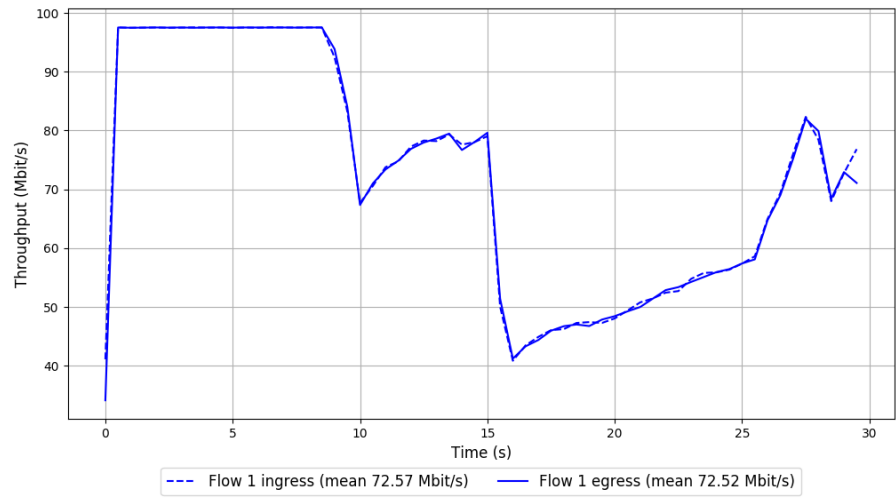
-- Flow 1:

Average throughput: 72.52 Mbit/s

95th percentile per-packet one-way delay: 35.937 ms

Loss rate: 0.25%

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



Run 7: Statistics of TCP Cubic

Start at: 2018-01-25 08:03:08

End at: 2018-01-25 08:03:38

Local clock offset: 1.82 ms

Remote clock offset: 0.175 ms

# Below is generated by plot.py at 2018-01-25 12:54:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 35.717 ms

Loss rate: 0.22%

-- Flow 1:

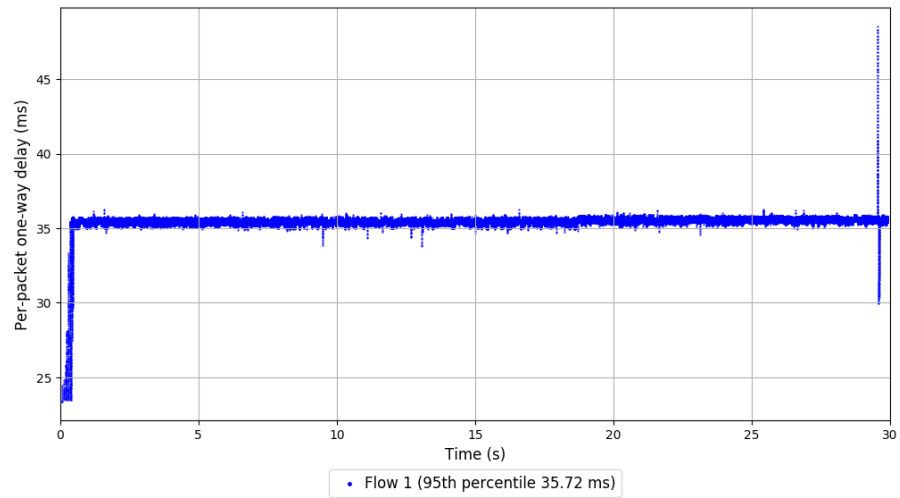
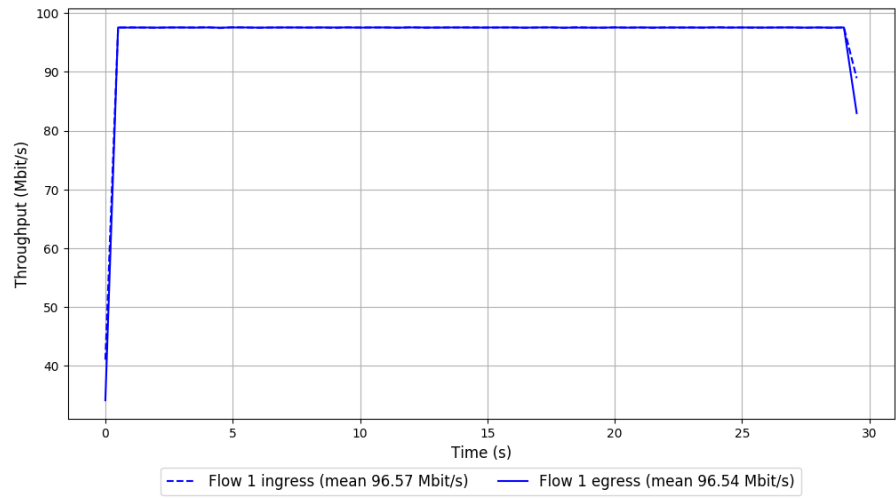
Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 35.717 ms

Loss rate: 0.22%



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

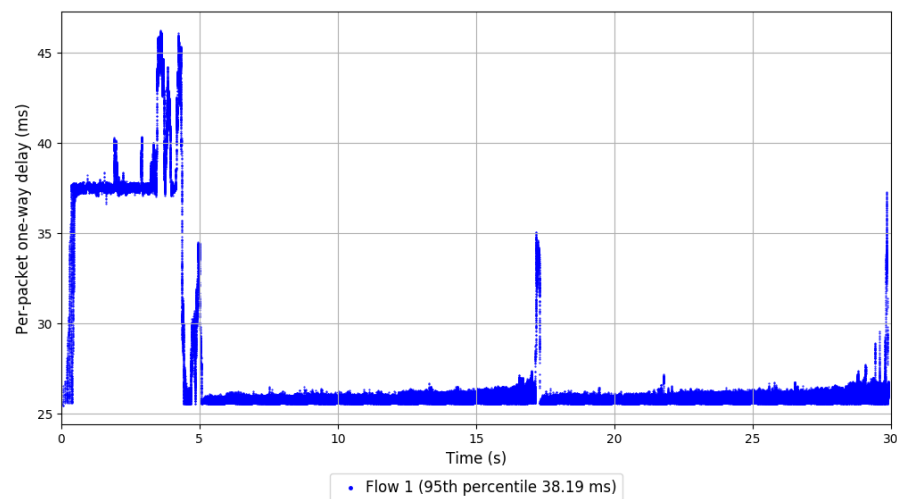
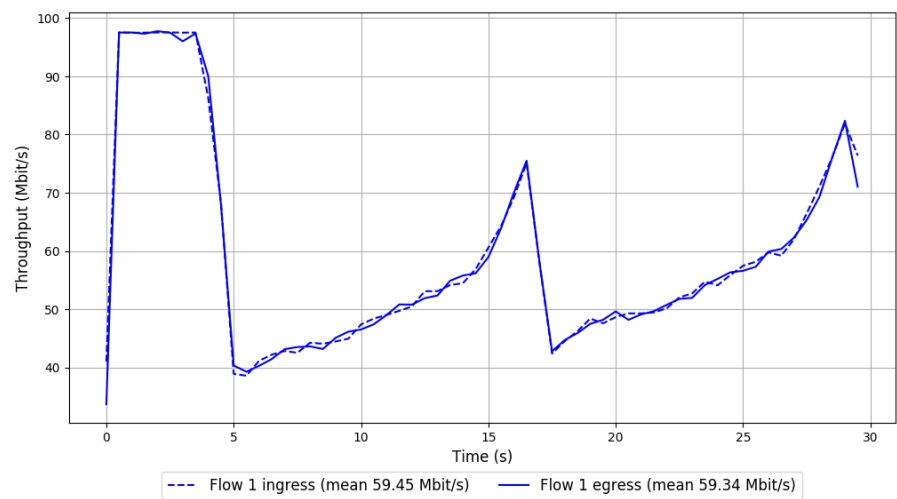


Run 8: Statistics of TCP Cubic

Start at: 2018-01-25 08:24:30  
End at: 2018-01-25 08:25:00  
Local clock offset: 1.836 ms  
Remote clock offset: -2.095 ms

# Below is generated by plot.py at 2018-01-25 12:54:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.34 Mbit/s  
95th percentile per-packet one-way delay: 38.188 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 59.34 Mbit/s  
95th percentile per-packet one-way delay: 38.188 ms  
Loss rate: 0.36%

Run 8: Report of TCP Cubic — Data Link

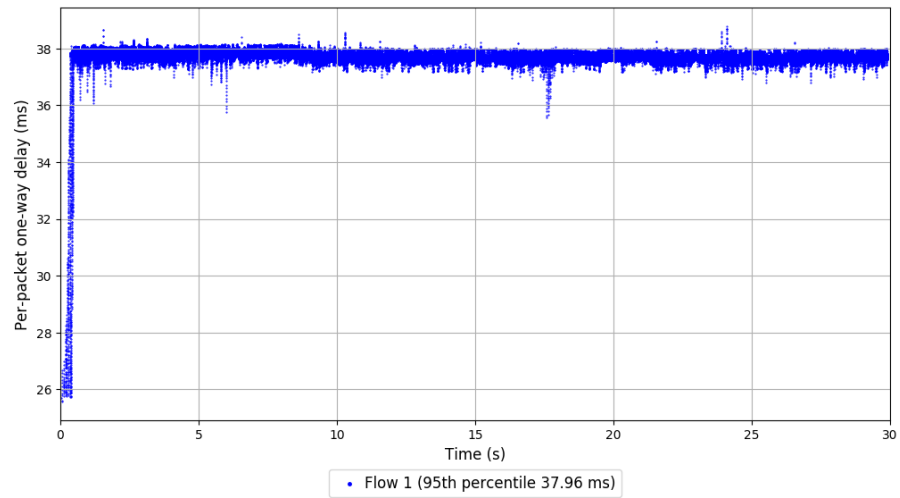
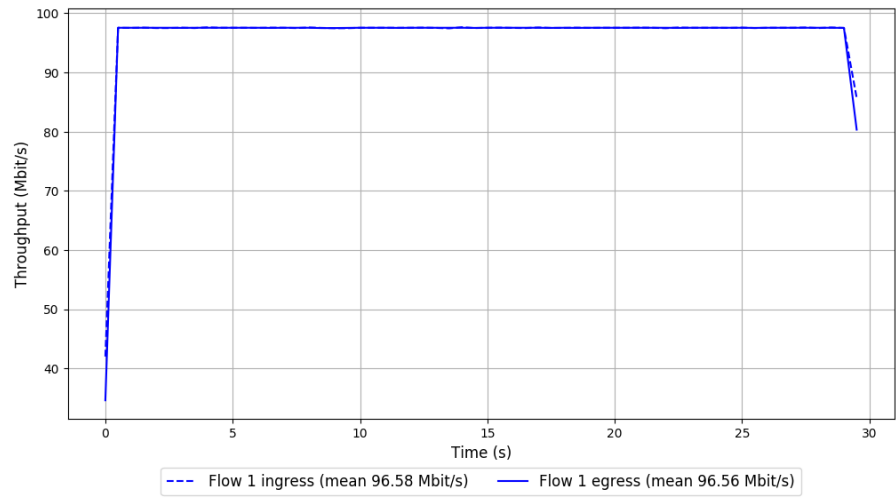


Run 9: Statistics of TCP Cubic

Start at: 2018-01-25 08:45:50  
End at: 2018-01-25 08:46:20  
Local clock offset: 1.953 ms  
Remote clock offset: -2.101 ms

# Below is generated by plot.py at 2018-01-25 12:54:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.56 Mbit/s  
95th percentile per-packet one-way delay: 37.959 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 96.56 Mbit/s  
95th percentile per-packet one-way delay: 37.959 ms  
Loss rate: 0.22%

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



Run 10: Statistics of TCP Cubic

Start at: 2018-01-25 09:07:14

End at: 2018-01-25 09:07:44

Local clock offset: 1.887 ms

Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-01-25 12:54:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 35.827 ms

Loss rate: 0.22%

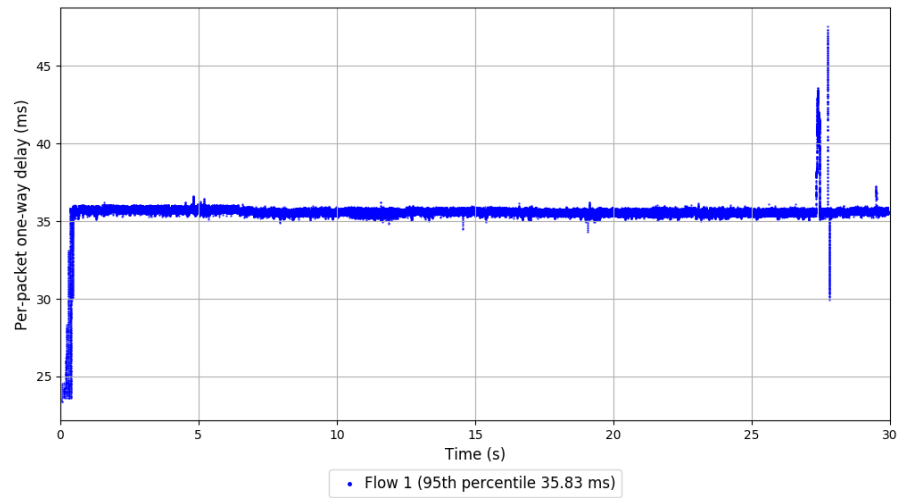
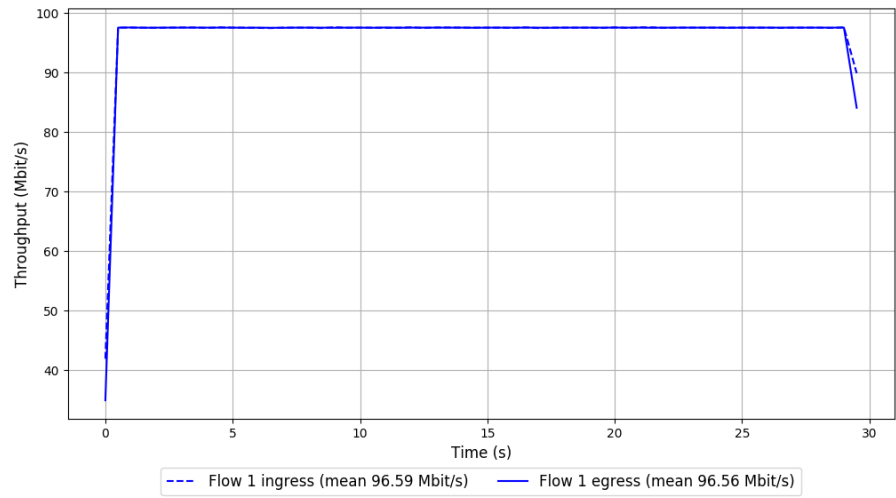
-- Flow 1:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 35.827 ms

Loss rate: 0.22%

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



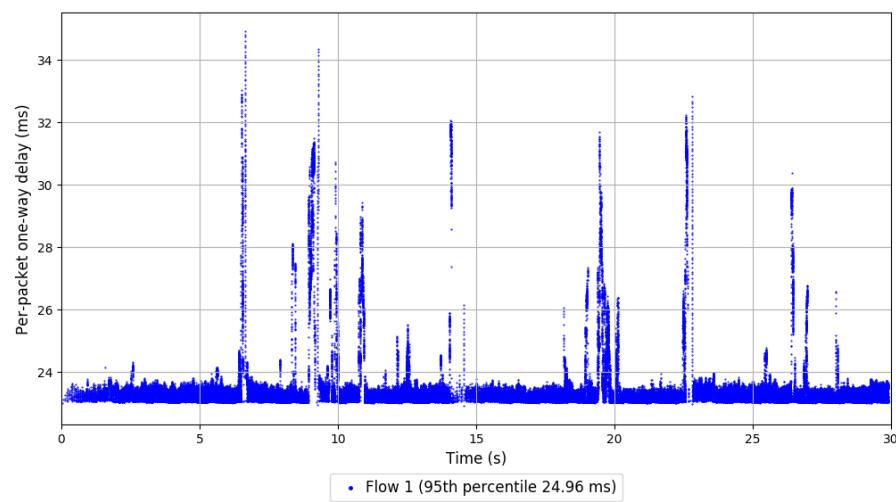
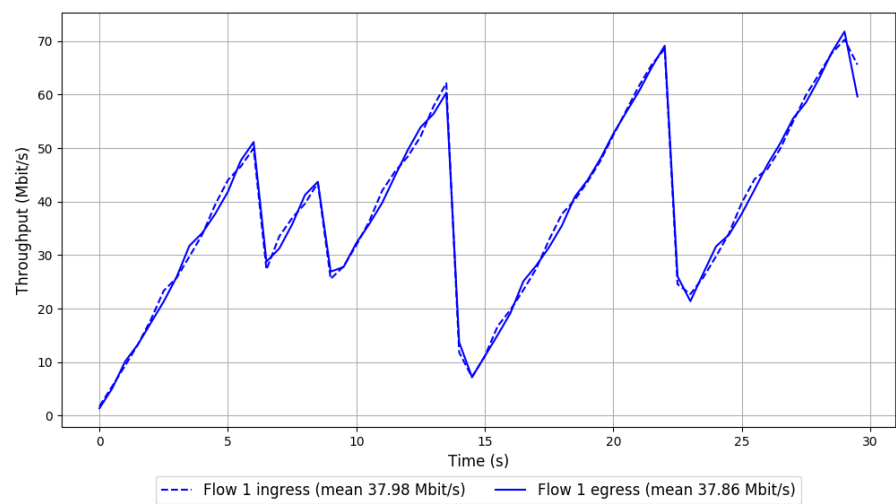
```
Run 1: Statistics of LEDBAT

Start at: 2018-01-25 05:51:56
End at: 2018-01-25 05:52:26
Local clock offset: 1.397 ms
Remote clock offset: 0.472 ms

# Below is generated by plot.py at 2018-01-25 12:54:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 24.964 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 24.964 ms
Loss rate: 0.48%
```



Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-01-25 06:13:43

End at: 2018-01-25 06:14:13

Local clock offset: 1.489 ms

Remote clock offset: 0.613 ms

# Below is generated by plot.py at 2018-01-25 12:54:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.31 Mbit/s

95th percentile per-packet one-way delay: 27.670 ms

Loss rate: 0.14%

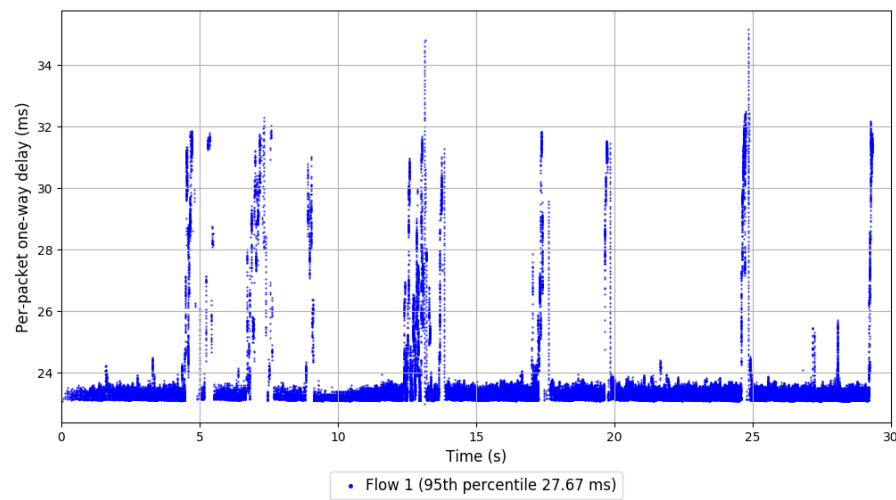
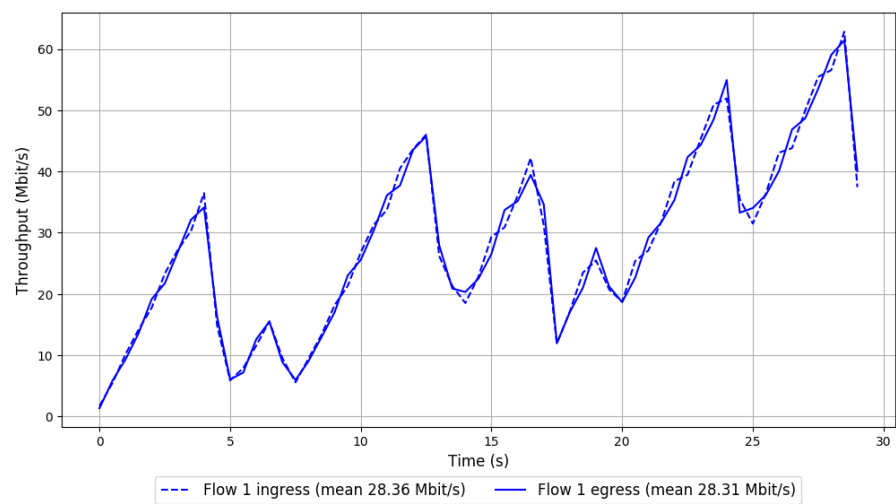
-- Flow 1:

Average throughput: 28.31 Mbit/s

95th percentile per-packet one-way delay: 27.670 ms

Loss rate: 0.14%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-25 06:35:11

End at: 2018-01-25 06:35:41

Local clock offset: 1.555 ms

Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-01-25 12:54:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 28.504 ms

Loss rate: 0.27%

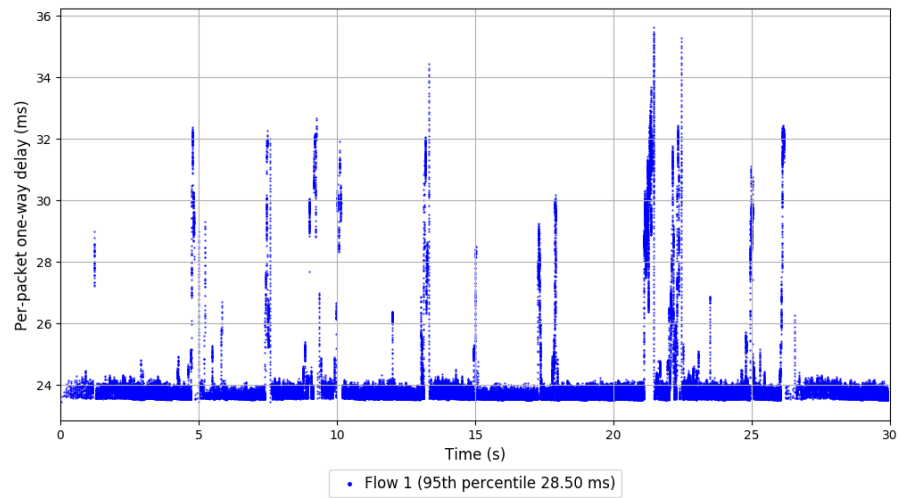
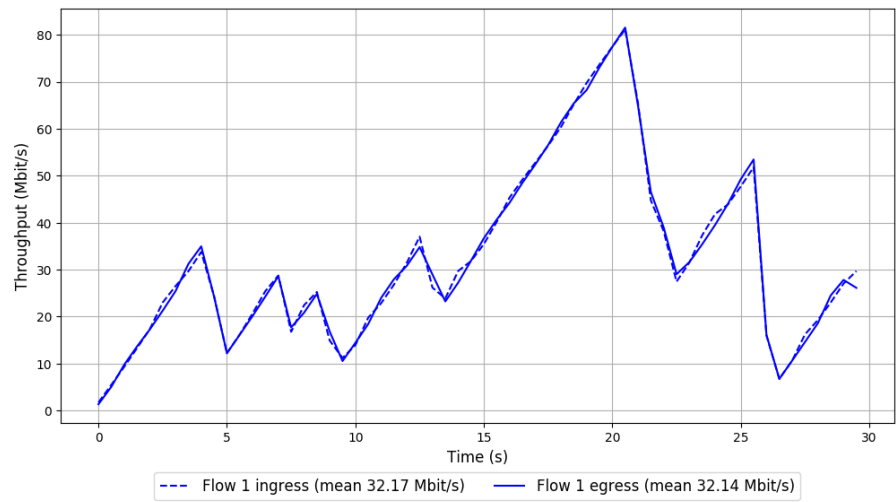
-- Flow 1:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 28.504 ms

Loss rate: 0.27%

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

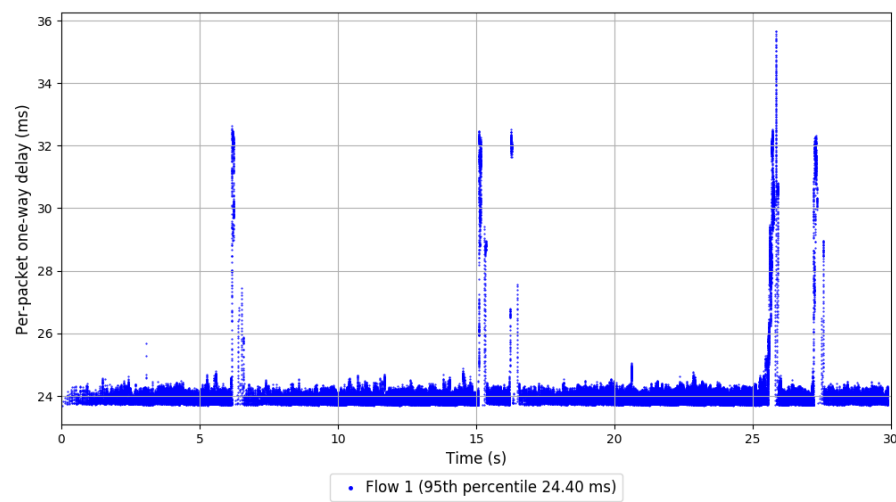
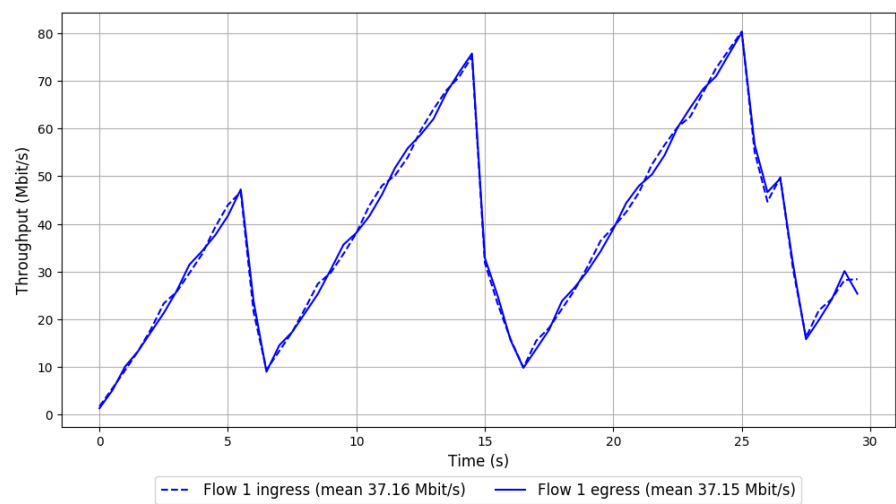


Run 4: Statistics of LEDBAT

Start at: 2018-01-25 06:56:27  
End at: 2018-01-25 06:56:57  
Local clock offset: 1.766 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-01-25 12:54:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.15 Mbit/s  
95th percentile per-packet one-way delay: 24.400 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 37.15 Mbit/s  
95th percentile per-packet one-way delay: 24.400 ms  
Loss rate: 0.22%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-25 07:17:47

End at: 2018-01-25 07:18:17

Local clock offset: 1.674 ms

Remote clock offset: 0.542 ms

# Below is generated by plot.py at 2018-01-25 12:54:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.58 Mbit/s

95th percentile per-packet one-way delay: 30.048 ms

Loss rate: 0.19%

-- Flow 1:

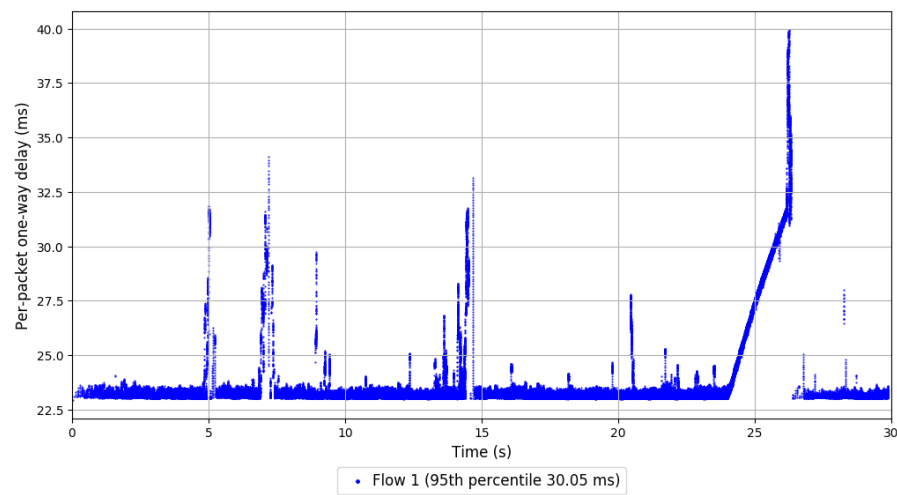
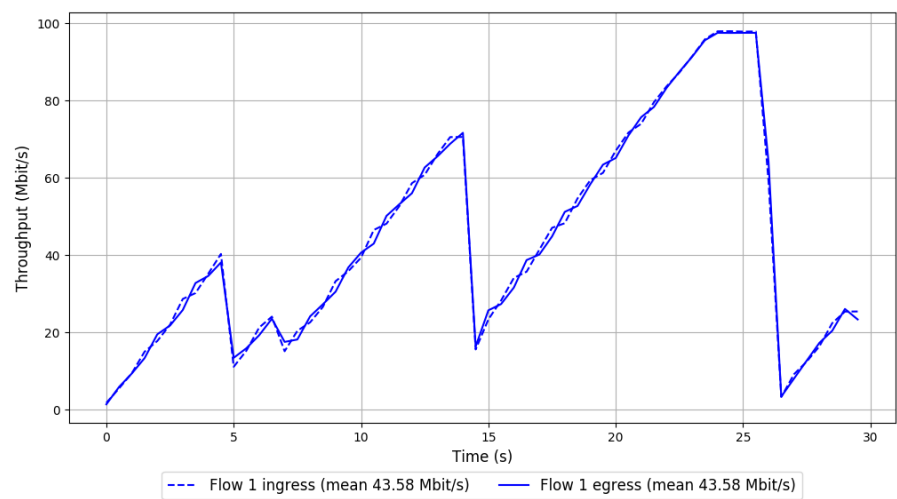
Average throughput: 43.58 Mbit/s

95th percentile per-packet one-way delay: 30.048 ms

Loss rate: 0.19%



Run 5: Report of LEDBAT — Data Link

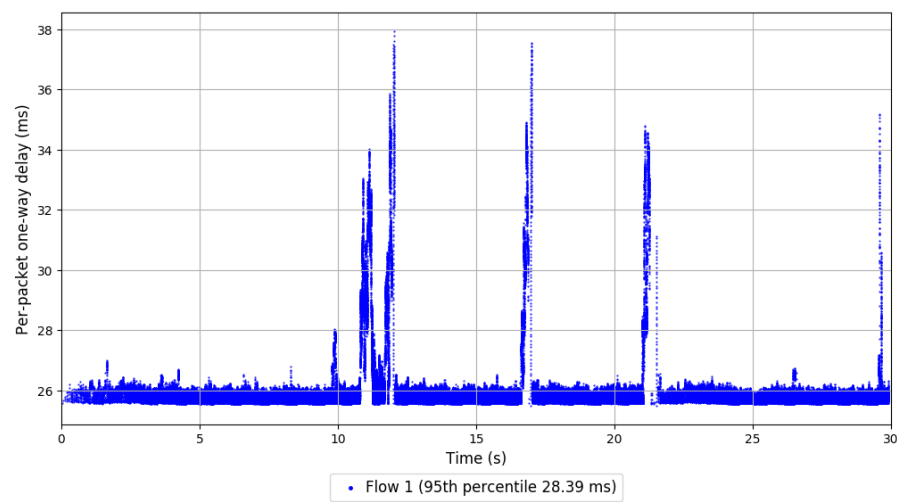
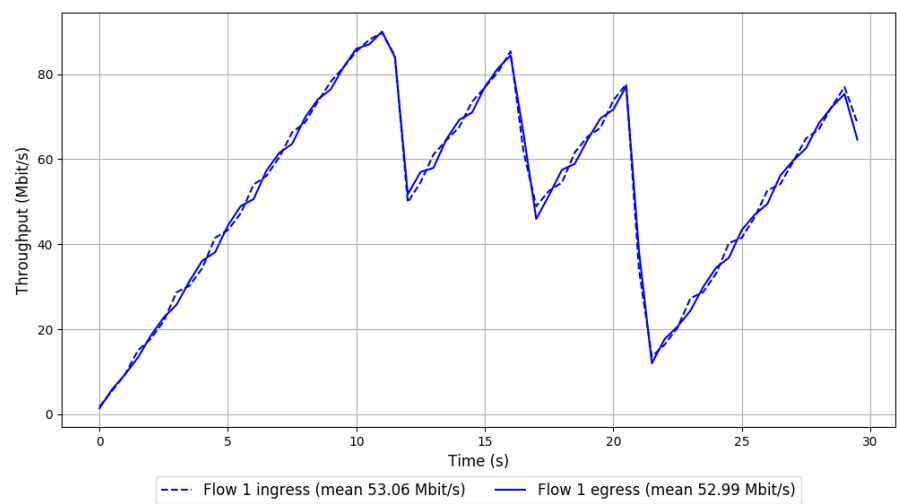


Run 6: Statistics of LEDBAT

Start at: 2018-01-25 07:39:11  
End at: 2018-01-25 07:39:41  
Local clock offset: 1.874 ms  
Remote clock offset: -1.809 ms

# Below is generated by plot.py at 2018-01-25 12:54:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.99 Mbit/s  
95th percentile per-packet one-way delay: 28.390 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 52.99 Mbit/s  
95th percentile per-packet one-way delay: 28.390 ms  
Loss rate: 0.30%

Run 6: Report of LEDBAT — Data Link

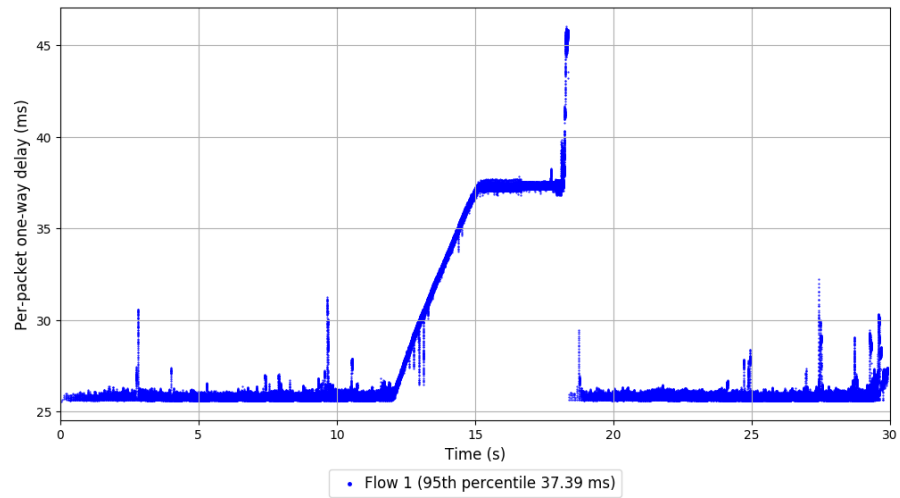
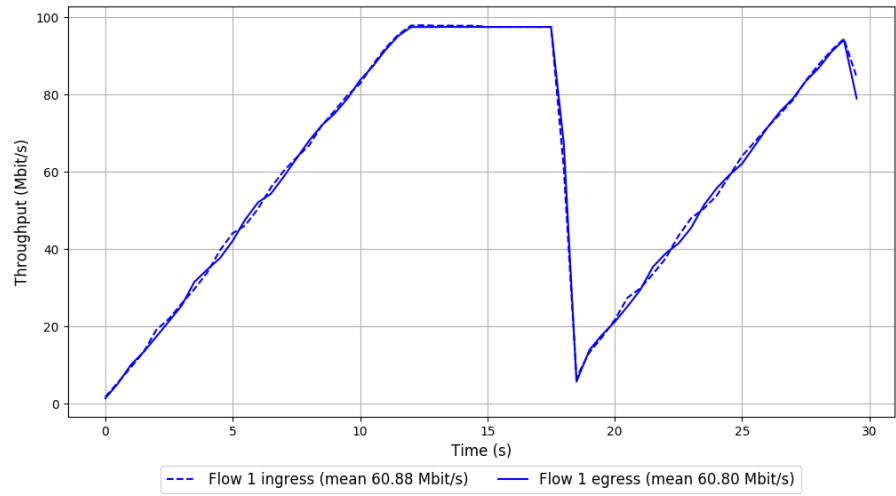


Run 7: Statistics of LEDBAT

Start at: 2018-01-25 08:00:27  
End at: 2018-01-25 08:00:57  
Local clock offset: 1.814 ms  
Remote clock offset: -1.981 ms

# Below is generated by plot.py at 2018-01-25 12:54:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 60.80 Mbit/s  
95th percentile per-packet one-way delay: 37.388 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 60.80 Mbit/s  
95th percentile per-packet one-way delay: 37.388 ms  
Loss rate: 0.31%

## Run 7: Report of LEDBAT — Data Link

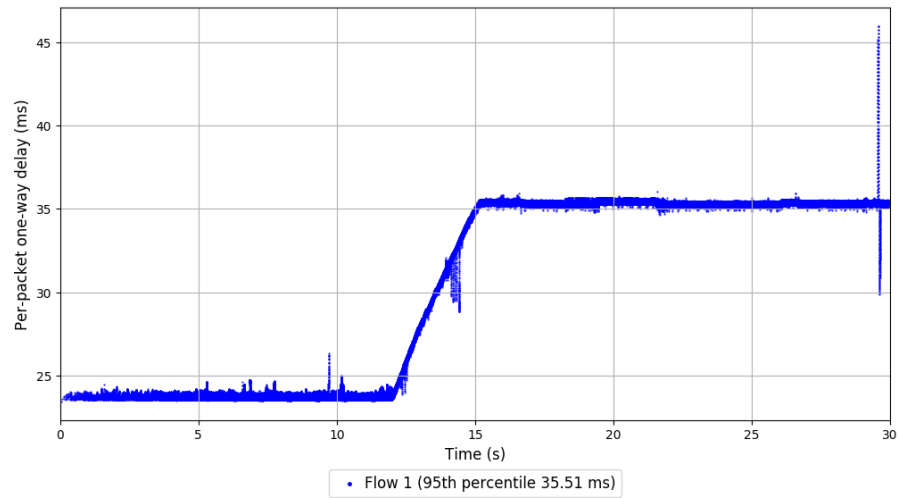
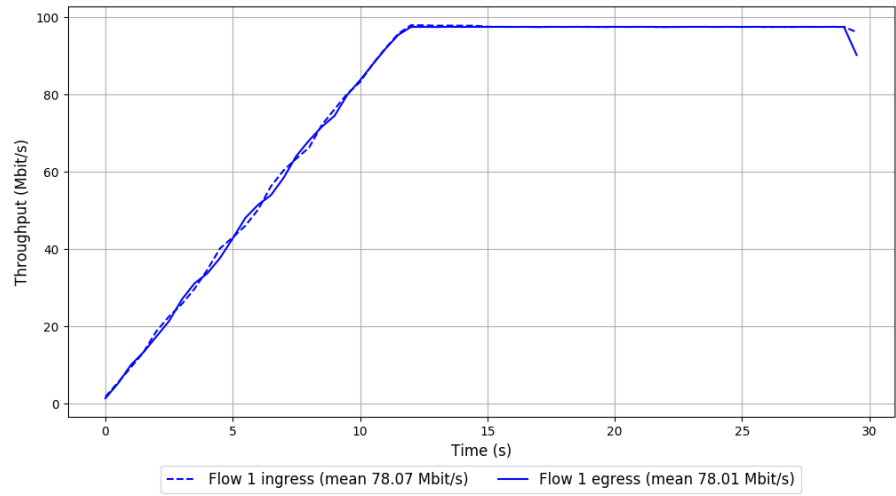


Run 8: Statistics of LEDBAT

Start at: 2018-01-25 08:21:48  
End at: 2018-01-25 08:22:18  
Local clock offset: 1.846 ms  
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-01-25 12:54:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.01 Mbit/s  
95th percentile per-packet one-way delay: 35.506 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 78.01 Mbit/s  
95th percentile per-packet one-way delay: 35.506 ms  
Loss rate: 0.27%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-25 08:43:07

End at: 2018-01-25 08:43:37

Local clock offset: 1.855 ms

Remote clock offset: 0.105 ms

# Below is generated by plot.py at 2018-01-25 12:55:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 35.328 ms

Loss rate: 0.30%

-- Flow 1:

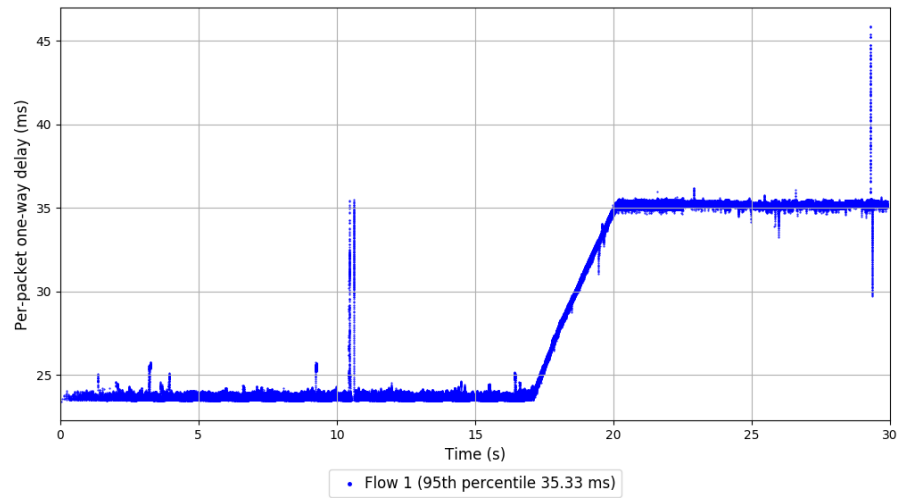
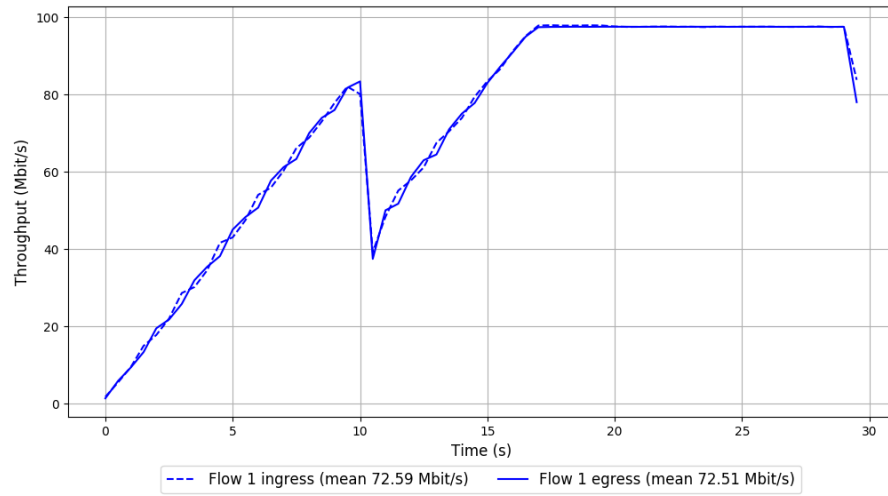
Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 35.328 ms

Loss rate: 0.30%



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

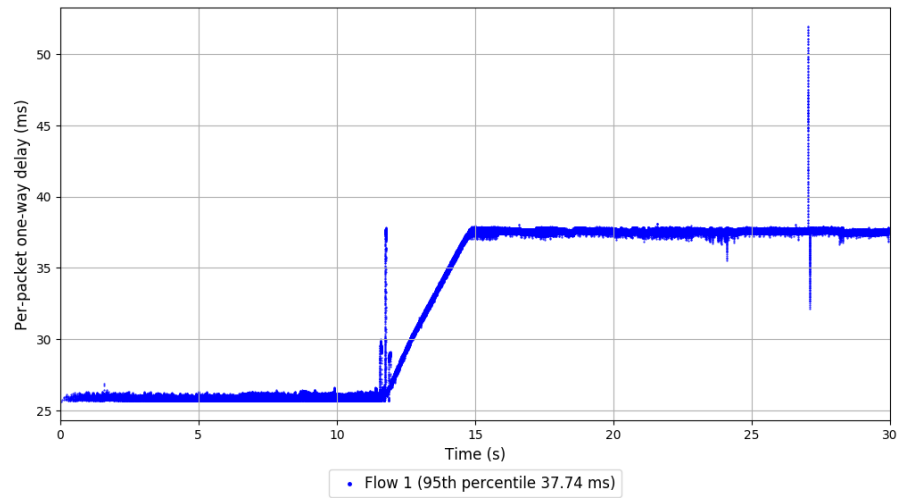
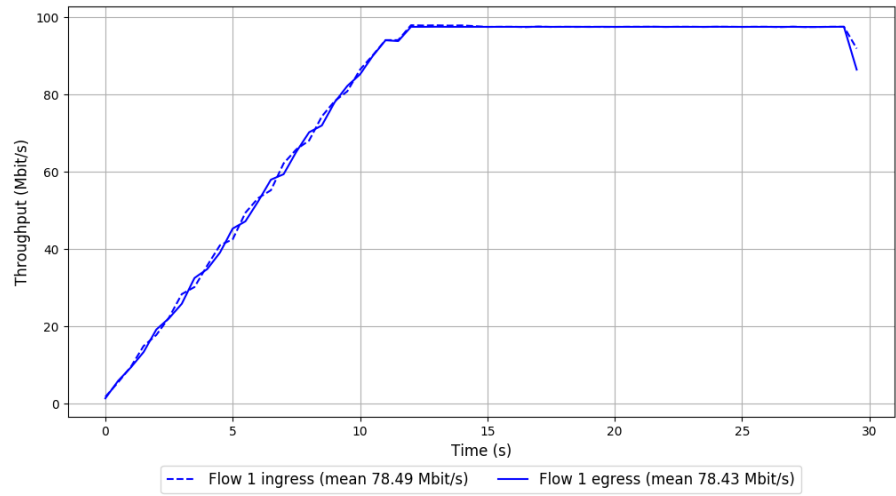


Run 10: Statistics of LEDBAT

Start at: 2018-01-25 09:04:31  
End at: 2018-01-25 09:05:01  
Local clock offset: 1.912 ms  
Remote clock offset: -2.071 ms

# Below is generated by plot.py at 2018-01-25 12:55:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.43 Mbit/s  
95th percentile per-packet one-way delay: 37.737 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 78.43 Mbit/s  
95th percentile per-packet one-way delay: 37.737 ms  
Loss rate: 0.27%

# Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-01-25 05:50:37

End at: 2018-01-25 05:51:08

Local clock offset: 1.266 ms

Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2018-01-25 12:55:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 30.647 ms

Loss rate: 0.45%

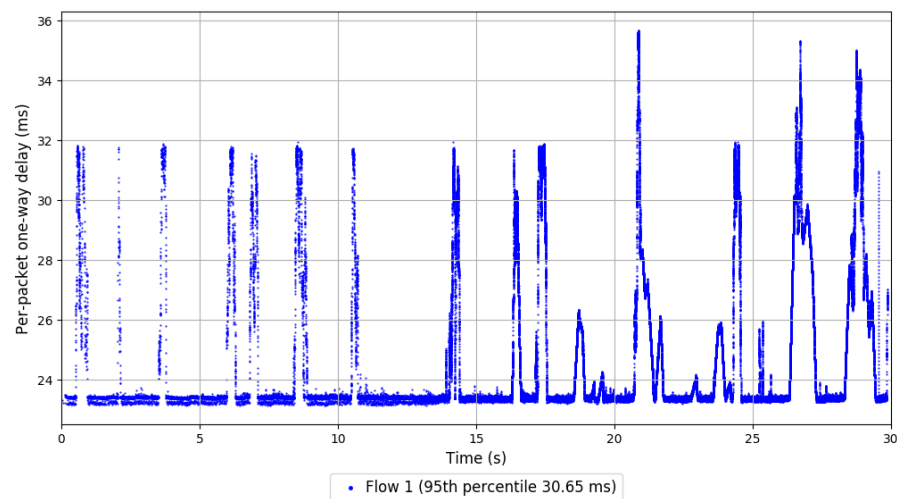
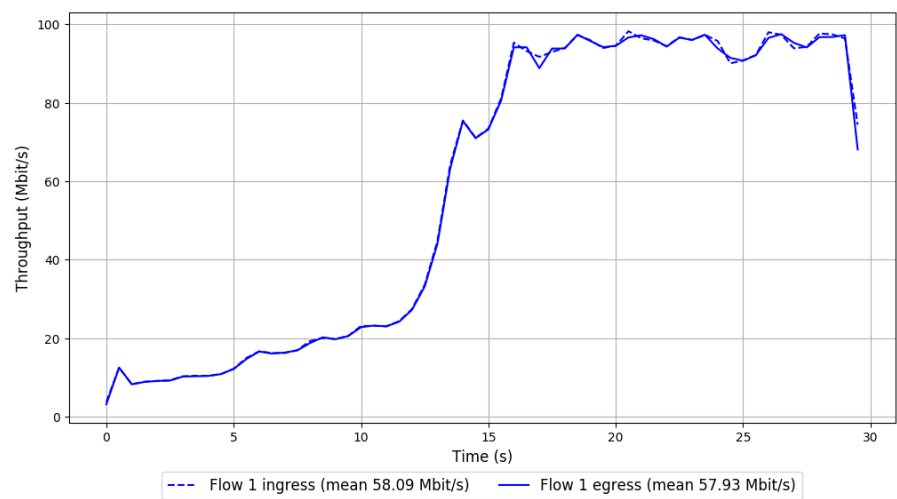
-- Flow 1:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 30.647 ms

Loss rate: 0.45%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-25 06:12:21

End at: 2018-01-25 06:12:51

Local clock offset: 1.495 ms

Remote clock offset: 0.273 ms

# Below is generated by plot.py at 2018-01-25 12:55:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 31.856 ms

Loss rate: 0.74%

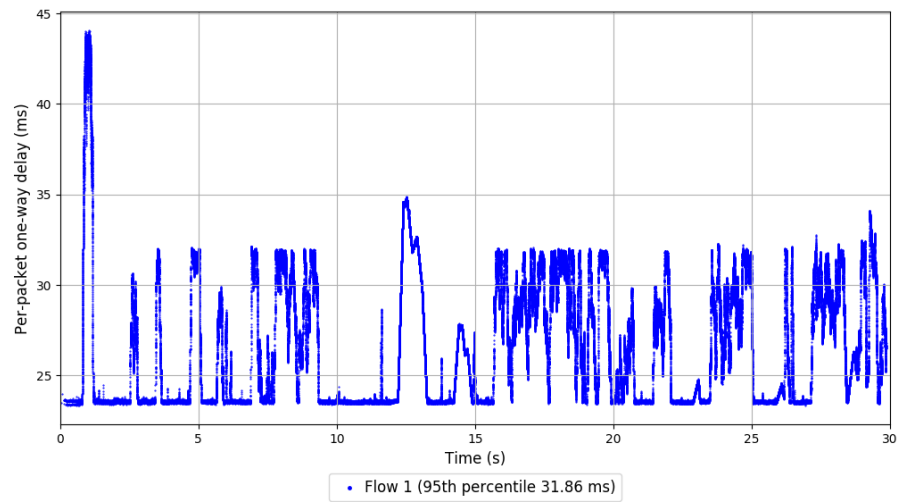
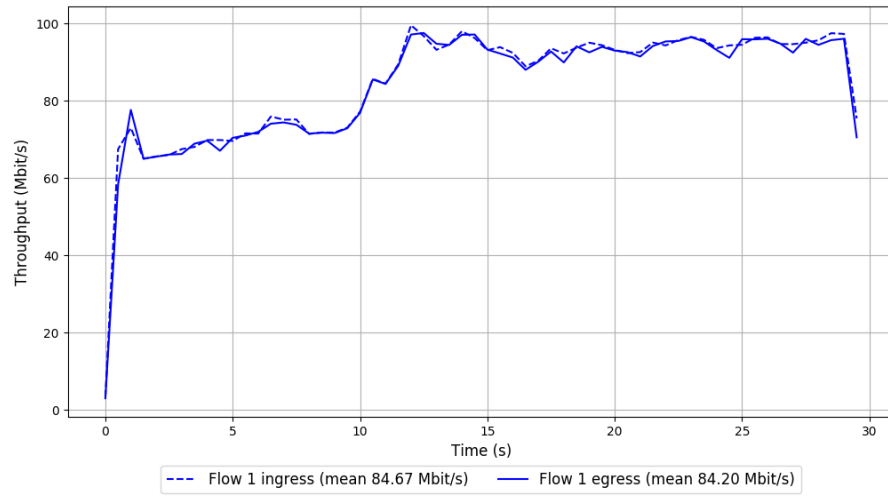
-- Flow 1:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 31.856 ms

Loss rate: 0.74%

## Run 2: Report of PCC — Data Link



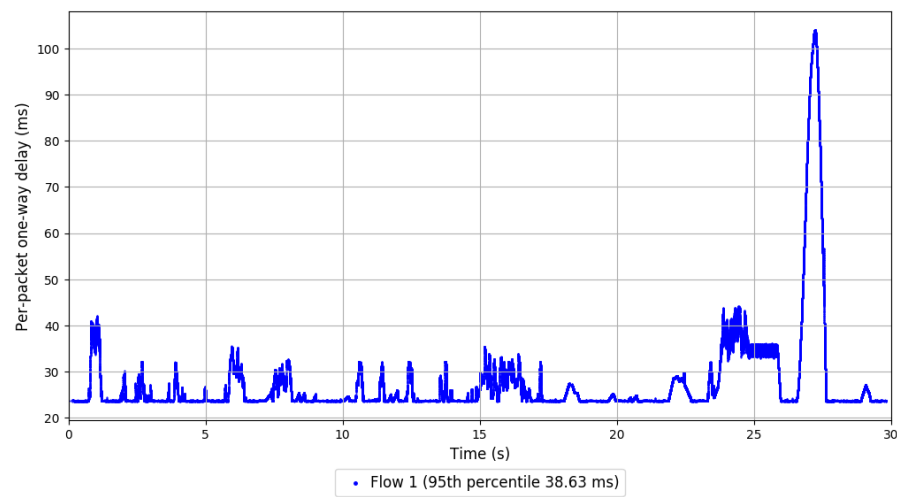
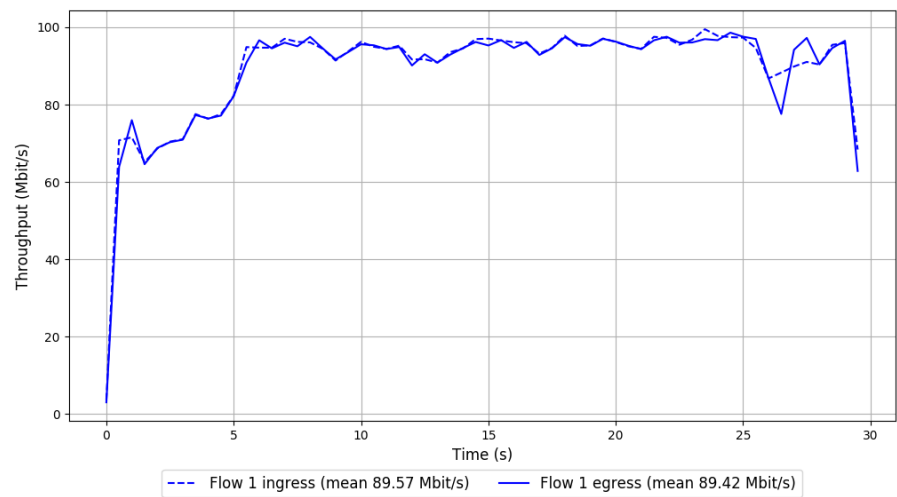
Run 3: Statistics of PCC

Start at: 2018-01-25 06:33:52  
End at: 2018-01-25 06:34:22  
Local clock offset: 1.644 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-01-25 12:55:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.42 Mbit/s  
95th percentile per-packet one-way delay: 38.626 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 89.42 Mbit/s  
95th percentile per-packet one-way delay: 38.626 ms  
Loss rate: 0.36%



Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-25 06:55:08

End at: 2018-01-25 06:55:38

Local clock offset: 1.755 ms

Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2018-01-25 12:55:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 34.387 ms

Loss rate: 0.43%

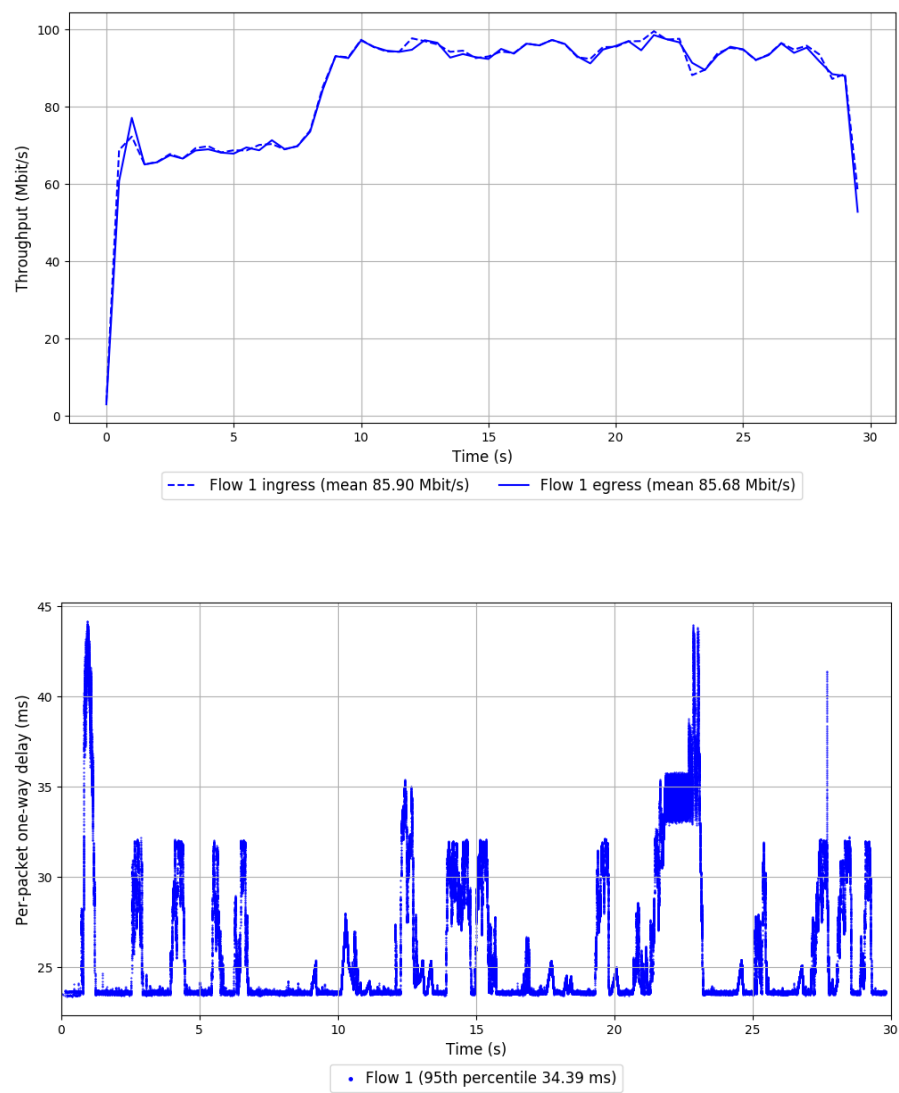
-- Flow 1:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 34.387 ms

Loss rate: 0.43%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-25 07:16:27

End at: 2018-01-25 07:16:57

Local clock offset: 1.682 ms

Remote clock offset: 0.469 ms

# Below is generated by plot.py at 2018-01-25 12:55:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 39.367 ms

Loss rate: 0.56%

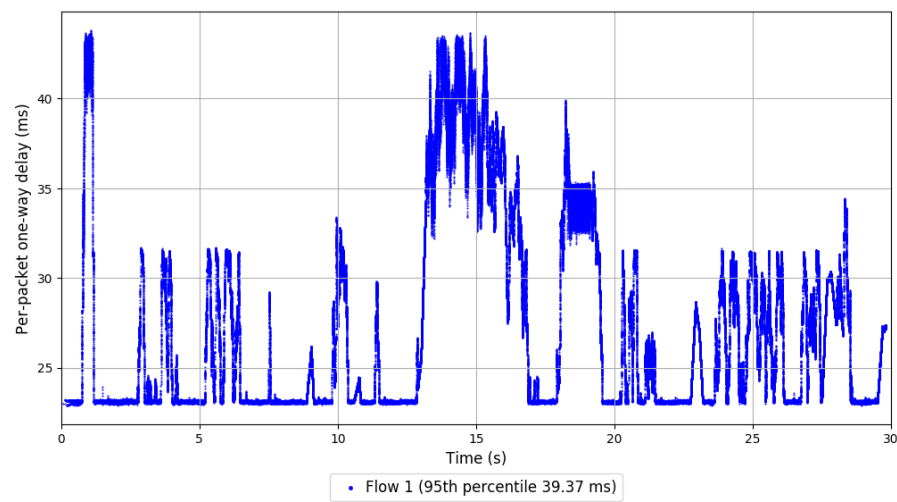
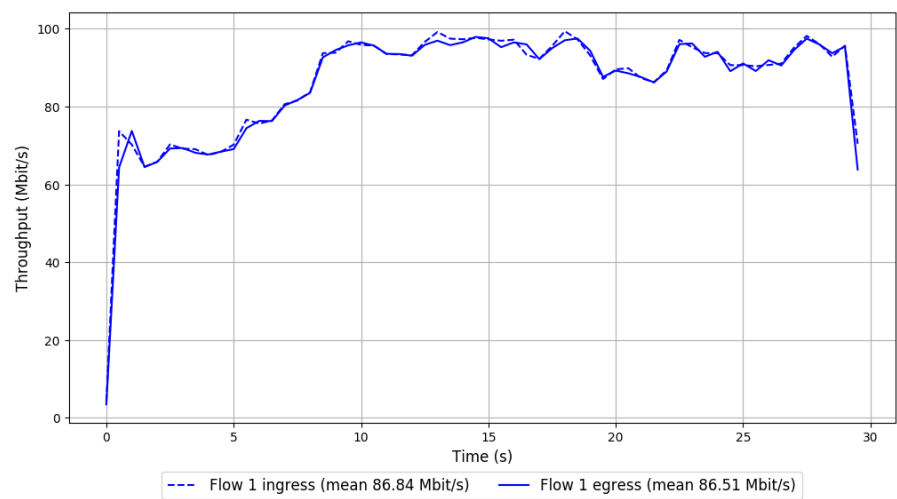
-- Flow 1:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 39.367 ms

Loss rate: 0.56%

Run 5: Report of PCC — Data Link

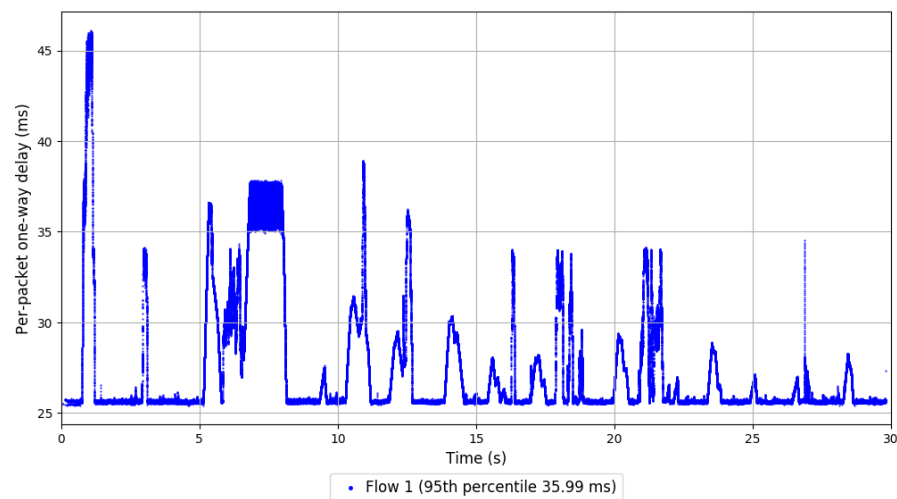
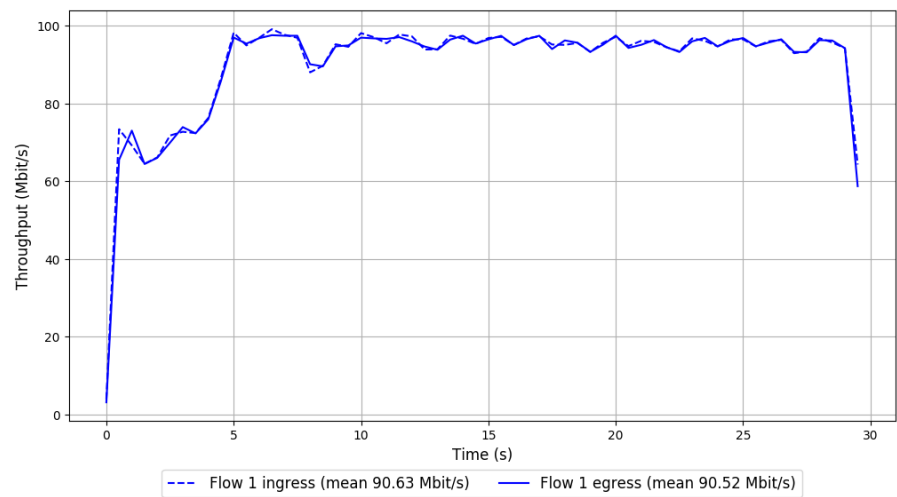


Run 6: Statistics of PCC

Start at: 2018-01-25 07:37:52  
End at: 2018-01-25 07:38:22  
Local clock offset: 1.874 ms  
Remote clock offset: -1.808 ms

# Below is generated by plot.py at 2018-01-25 12:56:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.52 Mbit/s  
95th percentile per-packet one-way delay: 35.994 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 90.52 Mbit/s  
95th percentile per-packet one-way delay: 35.994 ms  
Loss rate: 0.30%

Run 6: Report of PCC — Data Link



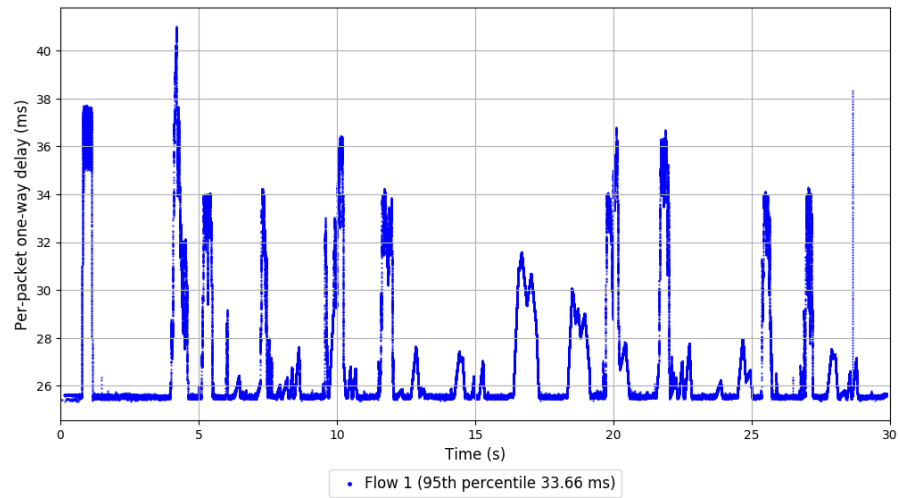
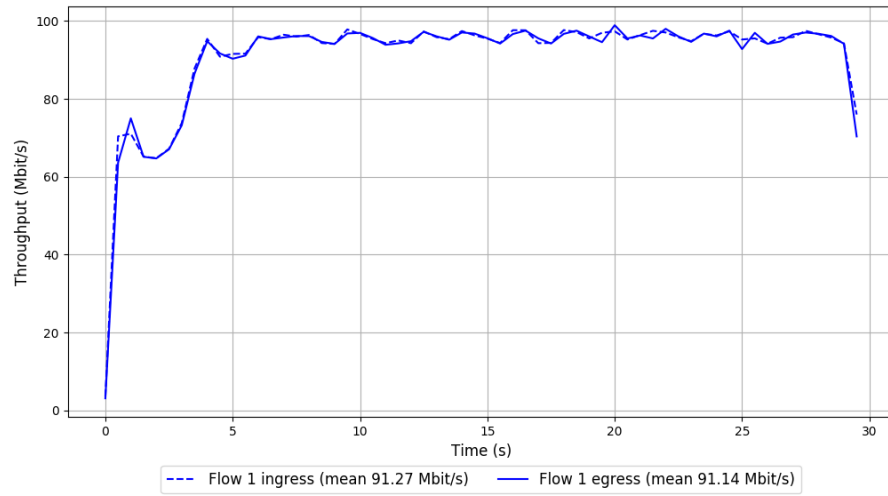
Run 7: Statistics of PCC

Start at: 2018-01-25 07:59:08  
End at: 2018-01-25 07:59:38  
Local clock offset: 1.904 ms  
Remote clock offset: -1.822 ms

# Below is generated by plot.py at 2018-01-25 12:56:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.14 Mbit/s  
95th percentile per-packet one-way delay: 33.662 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 91.14 Mbit/s  
95th percentile per-packet one-way delay: 33.662 ms  
Loss rate: 0.32%



## Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-25 08:20:29

End at: 2018-01-25 08:20:59

Local clock offset: 1.83 ms

Remote clock offset: 0.427 ms

# Below is generated by plot.py at 2018-01-25 12:56:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 26.736 ms

Loss rate: 0.19%

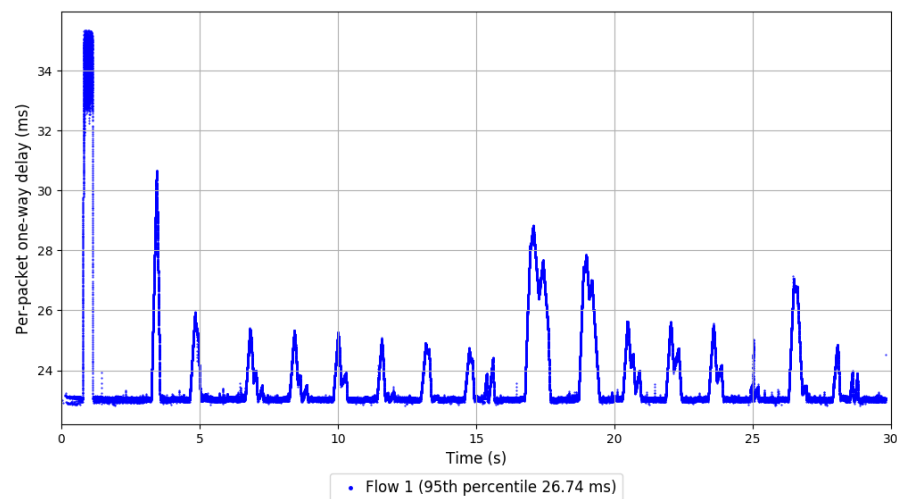
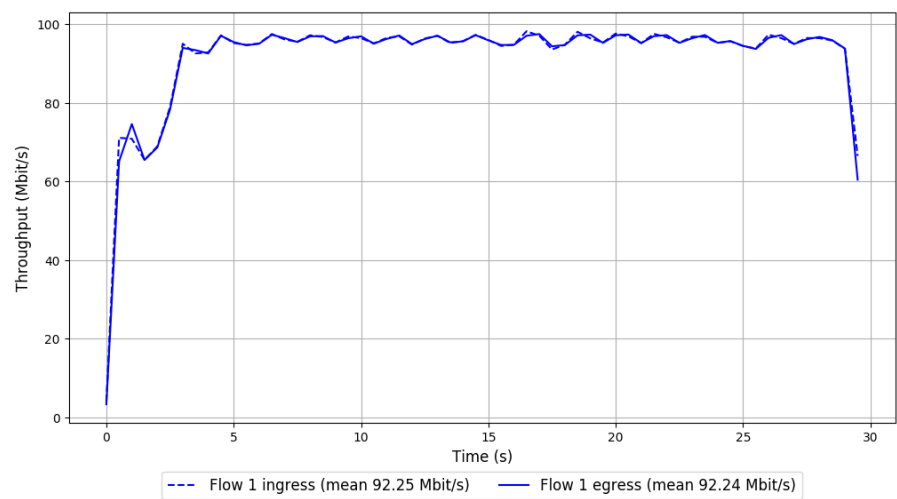
-- Flow 1:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 26.736 ms

Loss rate: 0.19%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-25 08:41:47

End at: 2018-01-25 08:42:17

Local clock offset: 1.914 ms

Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2018-01-25 12:56:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 28.545 ms

Loss rate: 0.20%

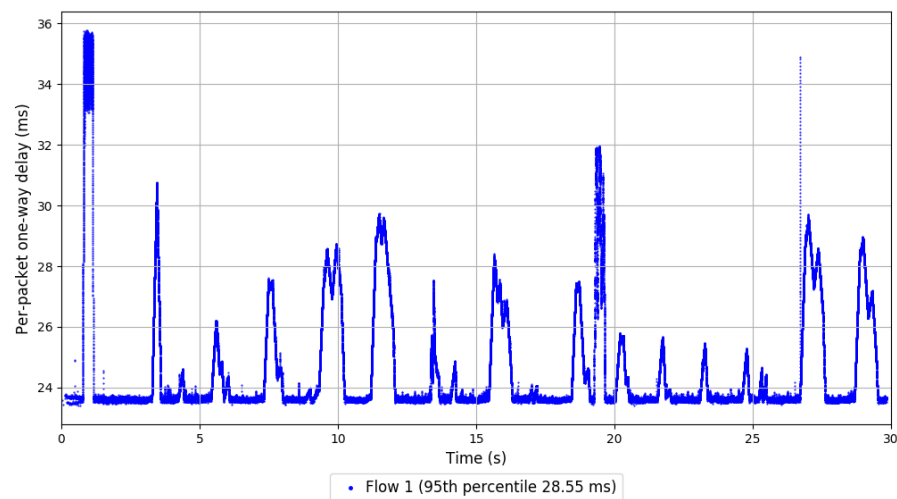
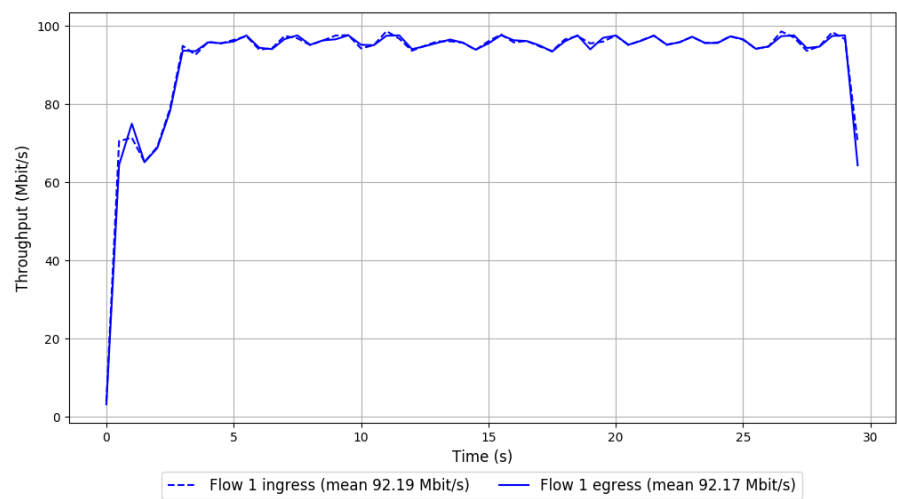
-- Flow 1:

Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 28.545 ms

Loss rate: 0.20%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-25 09:03:12

End at: 2018-01-25 09:03:42

Local clock offset: 1.887 ms

Remote clock offset: 0.388 ms

# Below is generated by plot.py at 2018-01-25 12:56:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 29.227 ms

Loss rate: 0.19%

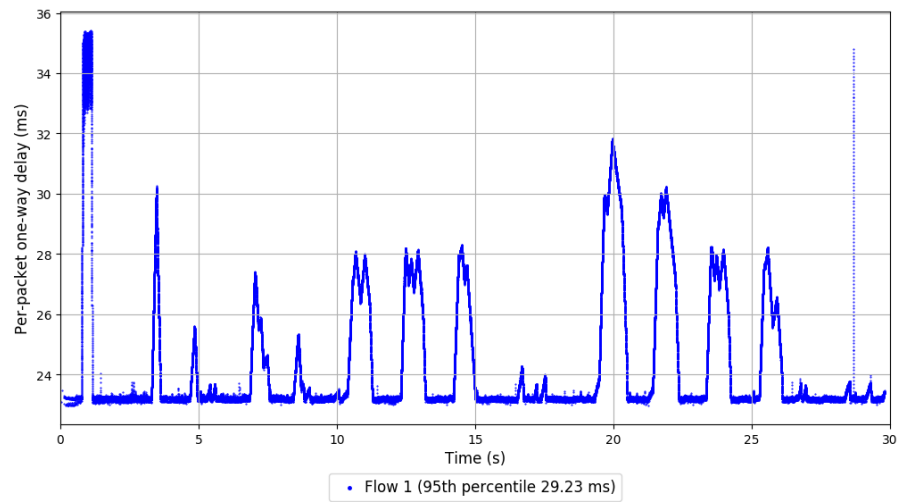
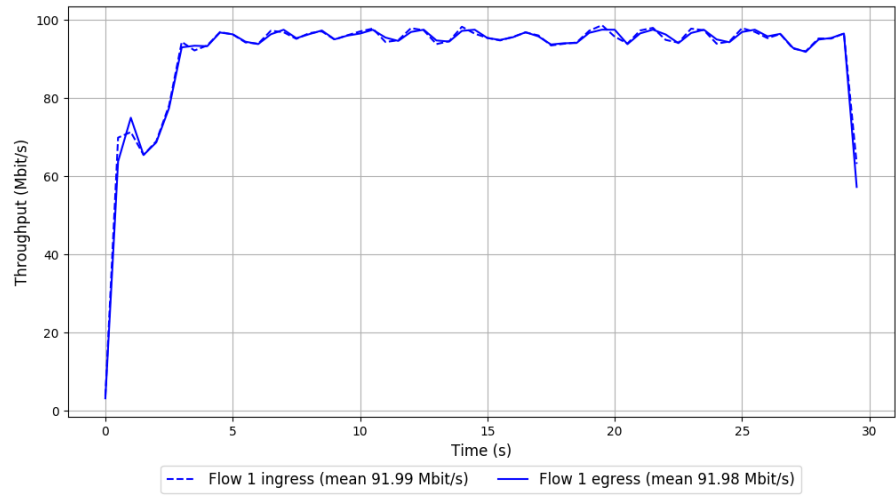
-- Flow 1:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 29.227 ms

Loss rate: 0.19%

### Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-25 05:42:48

End at: 2018-01-25 05:43:18

Local clock offset: 1.345 ms

Remote clock offset: 0.332 ms

# Below is generated by plot.py at 2018-01-25 12:56:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.02 Mbit/s

95th percentile per-packet one-way delay: 34.982 ms

Loss rate: 0.52%

-- Flow 1:

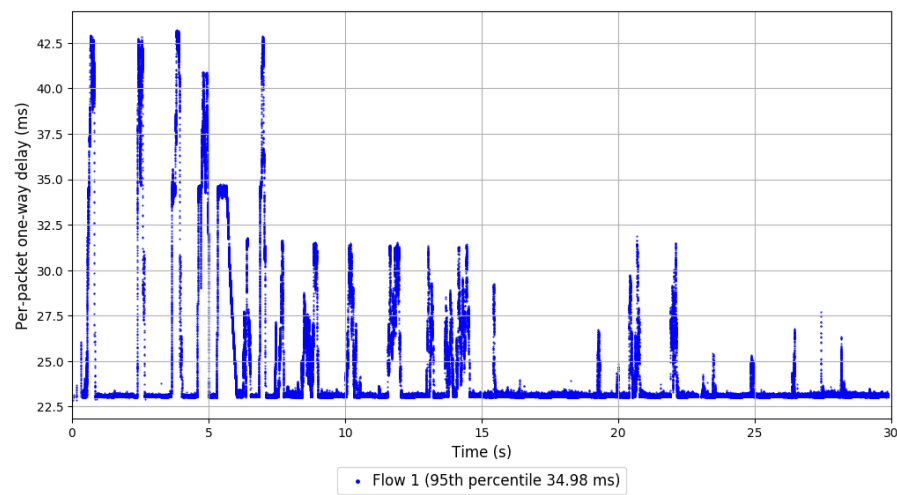
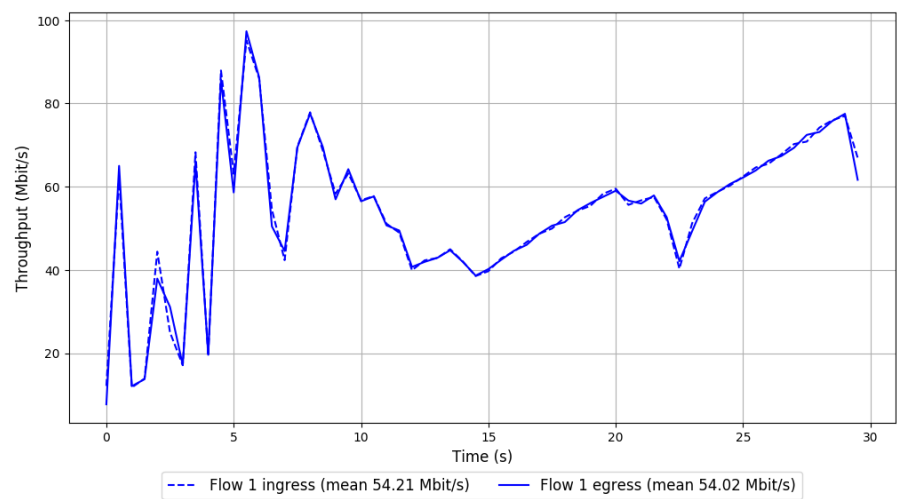
Average throughput: 54.02 Mbit/s

95th percentile per-packet one-way delay: 34.982 ms

Loss rate: 0.52%



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-25 06:04:20

End at: 2018-01-25 06:04:50

Local clock offset: 1.474 ms

Remote clock offset: -1.988 ms

# Below is generated by plot.py at 2018-01-25 12:56:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 37.055 ms

Loss rate: 0.31%

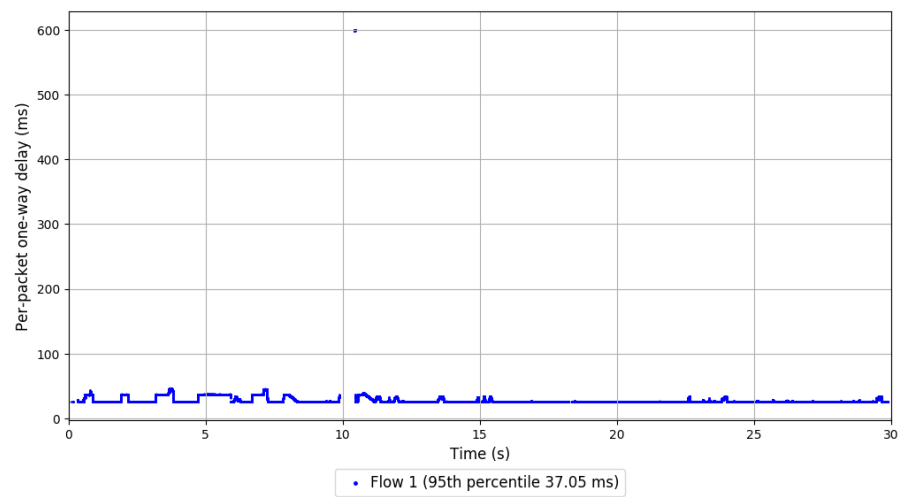
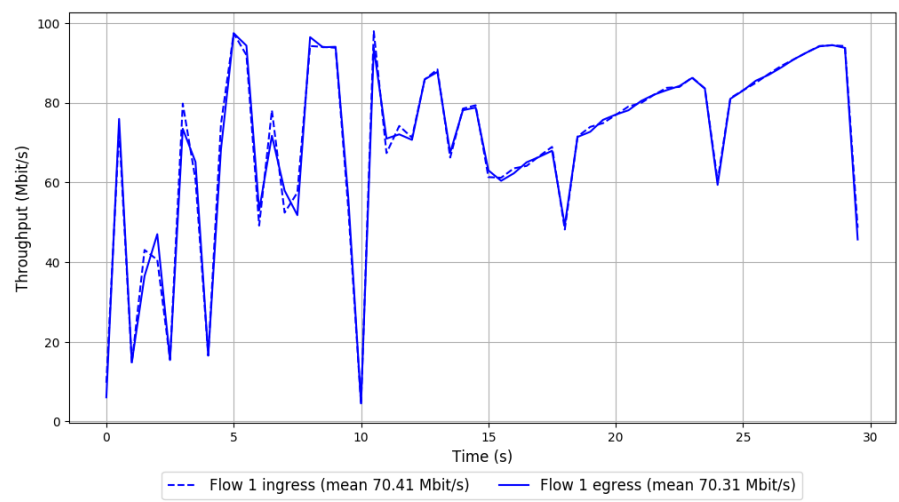
-- Flow 1:

Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 37.055 ms

Loss rate: 0.31%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-25 06:26:04

End at: 2018-01-25 06:26:34

Local clock offset: 1.543 ms

Remote clock offset: 0.172 ms

# Below is generated by plot.py at 2018-01-25 12:56:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.83 Mbit/s

95th percentile per-packet one-way delay: 34.810 ms

Loss rate: 0.40%

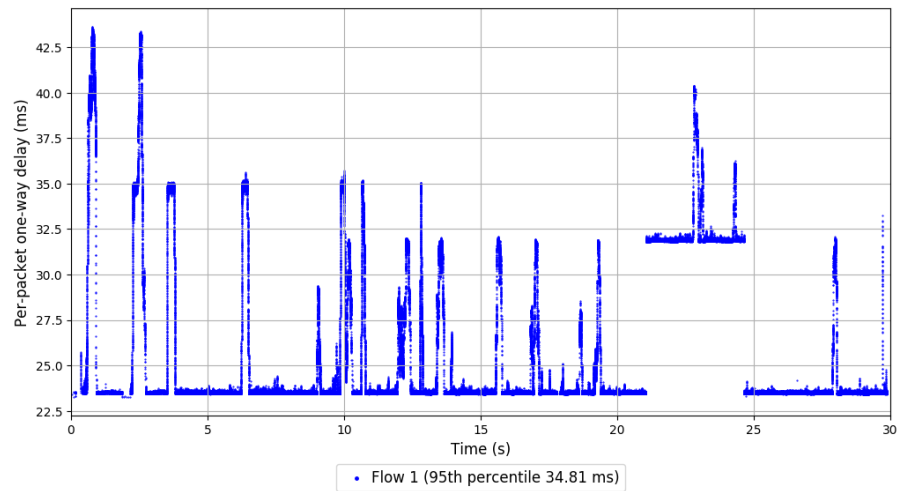
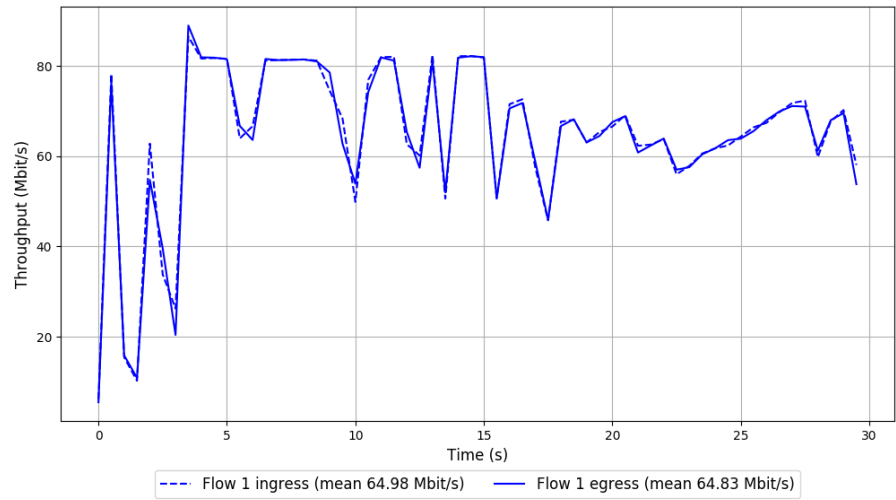
-- Flow 1:

Average throughput: 64.83 Mbit/s

95th percentile per-packet one-way delay: 34.810 ms

Loss rate: 0.40%

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



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-25 06:47:16

End at: 2018-01-25 06:47:46

Local clock offset: 1.707 ms

Remote clock offset: 0.411 ms

# Below is generated by plot.py at 2018-01-25 12:57:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.50 Mbit/s

95th percentile per-packet one-way delay: 31.011 ms

Loss rate: 0.34%

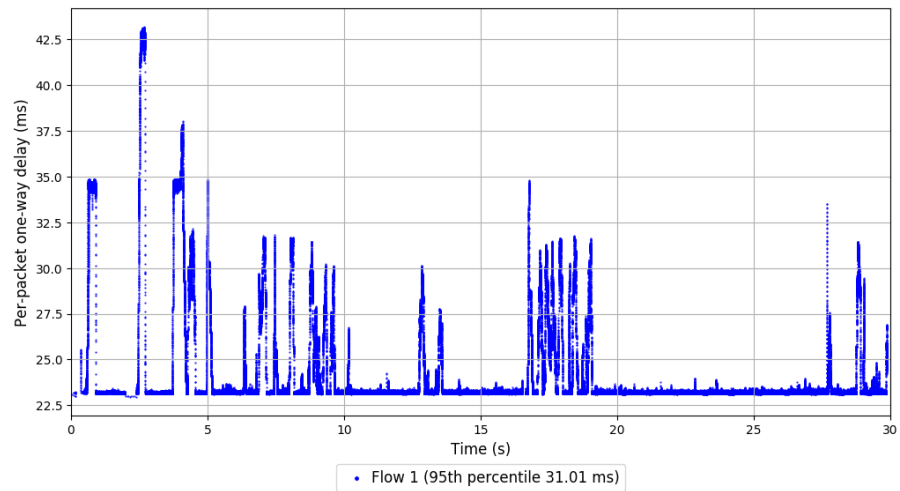
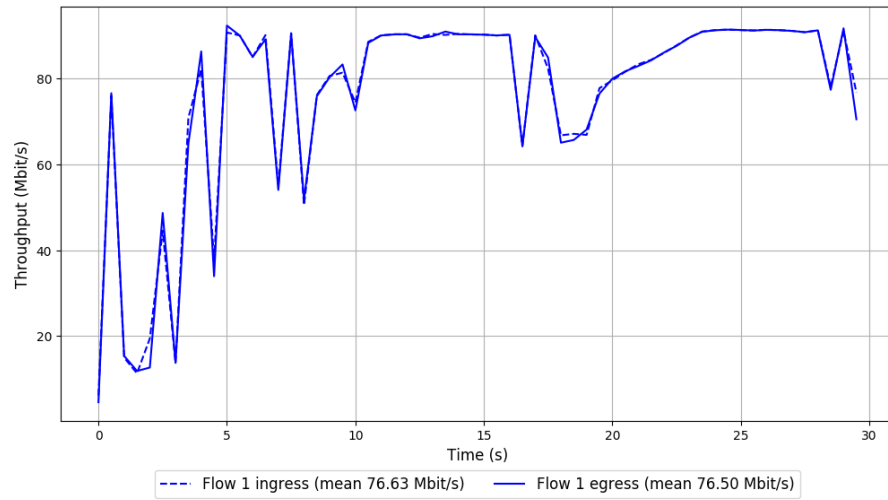
-- Flow 1:

Average throughput: 76.50 Mbit/s

95th percentile per-packet one-way delay: 31.011 ms

Loss rate: 0.34%

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



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-25 07:08:34

End at: 2018-01-25 07:09:04

Local clock offset: 1.746 ms

Remote clock offset: -2.069 ms

# Below is generated by plot.py at 2018-01-25 12:57:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.60 Mbit/s

95th percentile per-packet one-way delay: 35.339 ms

Loss rate: 0.34%

-- Flow 1:

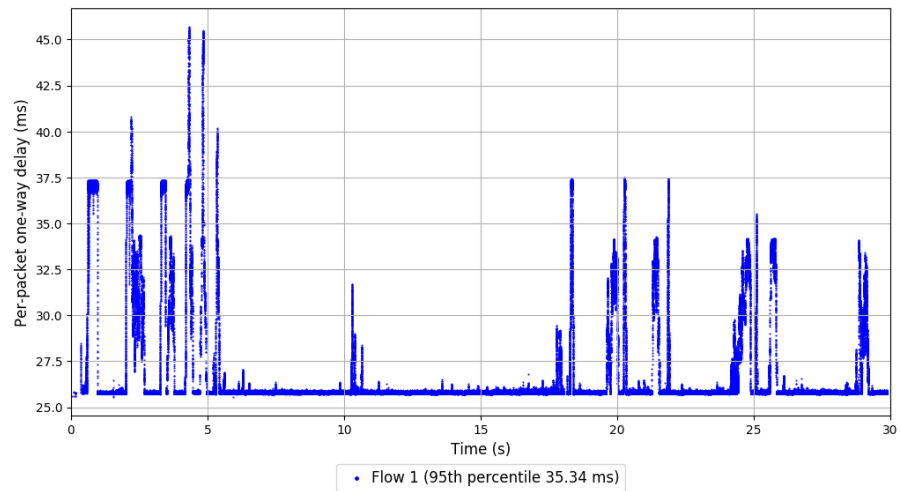
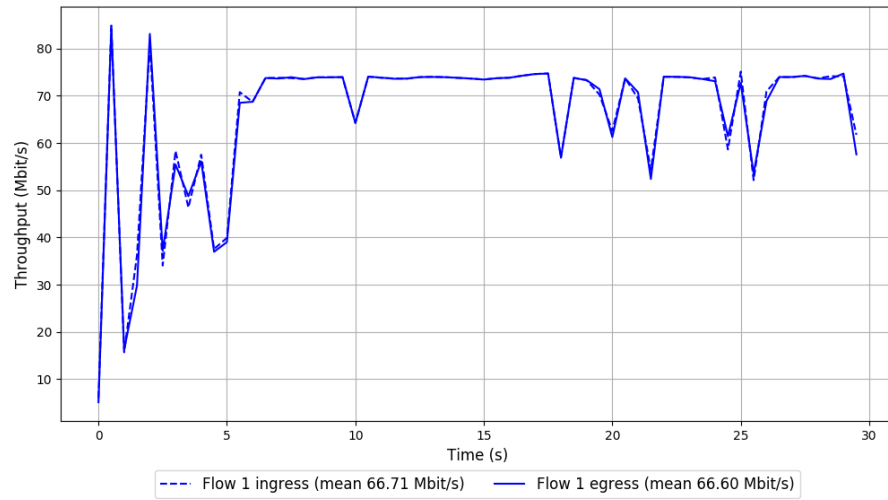
Average throughput: 66.60 Mbit/s

95th percentile per-packet one-way delay: 35.339 ms

Loss rate: 0.34%



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



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-25 07:30:00

End at: 2018-01-25 07:30:30

Local clock offset: 1.817 ms

Remote clock offset: 0.615 ms

# Below is generated by plot.py at 2018-01-25 12:57:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.99 Mbit/s

95th percentile per-packet one-way delay: 34.223 ms

Loss rate: 0.19%

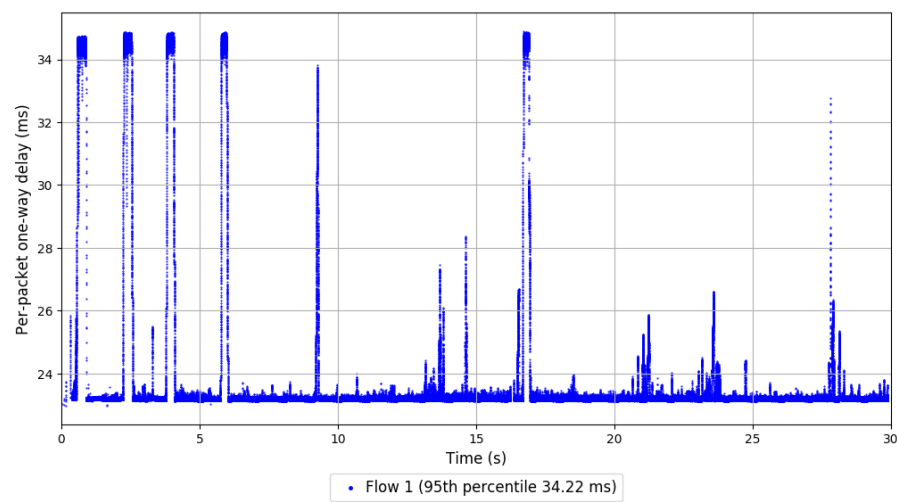
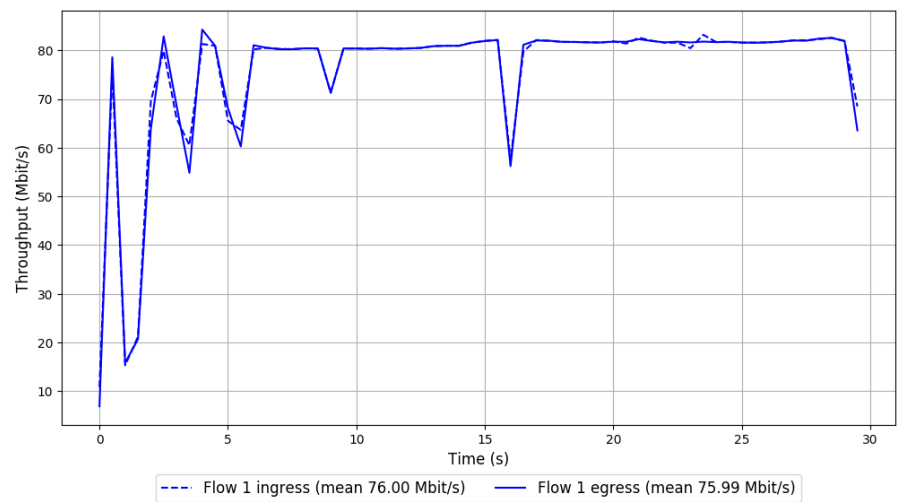
-- Flow 1:

Average throughput: 75.99 Mbit/s

95th percentile per-packet one-way delay: 34.223 ms

Loss rate: 0.19%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-25 07:51:18

End at: 2018-01-25 07:51:48

Local clock offset: 1.885 ms

Remote clock offset: 0.235 ms

# Below is generated by plot.py at 2018-01-25 12:58:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.91 Mbit/s

95th percentile per-packet one-way delay: 35.113 ms

Loss rate: 0.25%

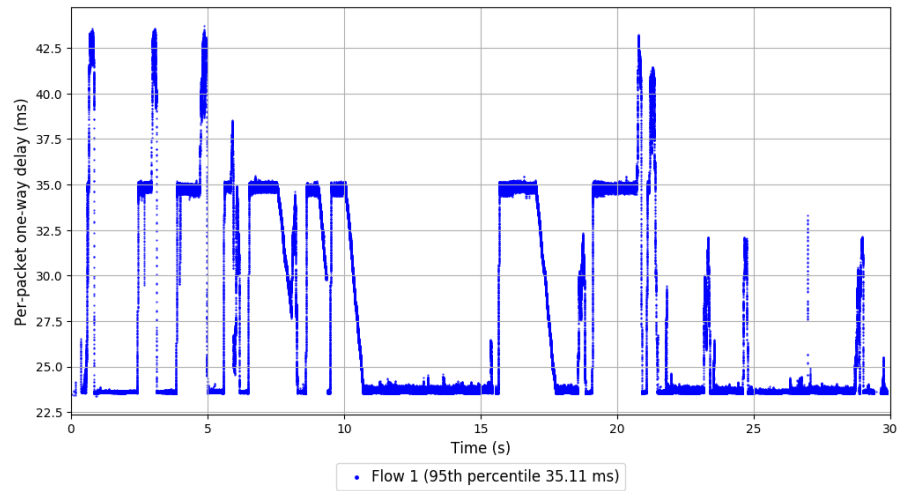
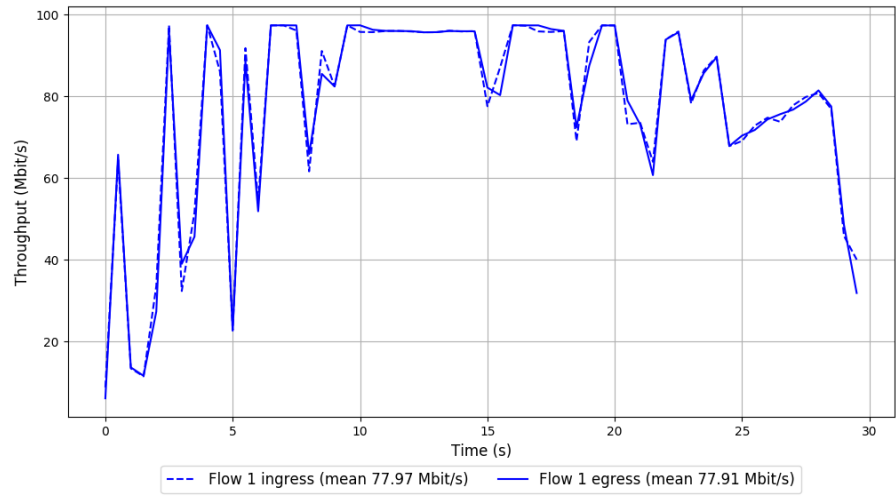
-- Flow 1:

Average throughput: 77.91 Mbit/s

95th percentile per-packet one-way delay: 35.113 ms

Loss rate: 0.25%

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



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-25 08:12:40

End at: 2018-01-25 08:13:10

Local clock offset: 1.859 ms

Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-01-25 12:58:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 33.882 ms

Loss rate: 0.19%

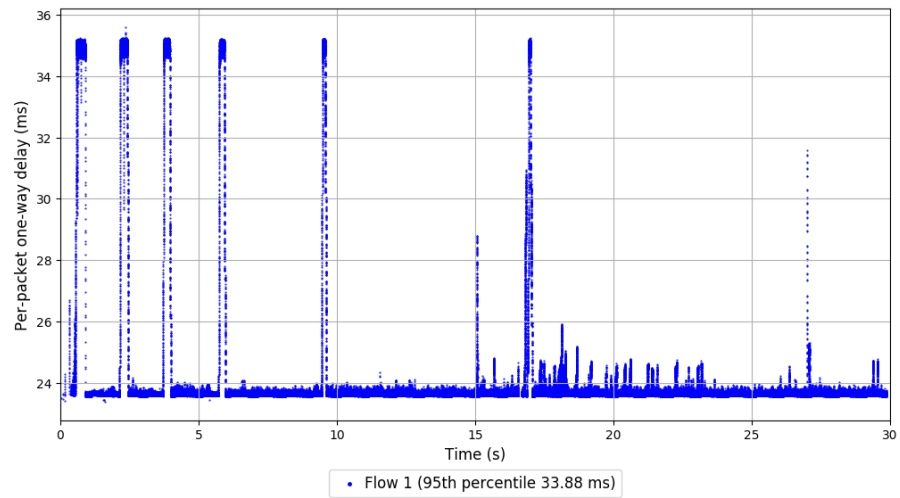
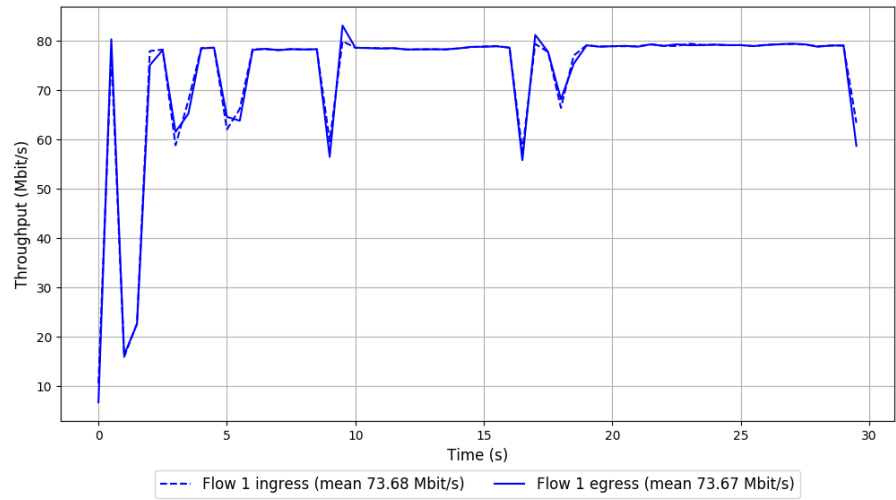
-- Flow 1:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 33.882 ms

Loss rate: 0.19%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-25 08:33:57

End at: 2018-01-25 08:34:28

Local clock offset: 1.961 ms

Remote clock offset: -2.026 ms

# Below is generated by plot.py at 2018-01-25 12:58:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.17 Mbit/s

95th percentile per-packet one-way delay: 36.531 ms

Loss rate: 0.20%

-- Flow 1:

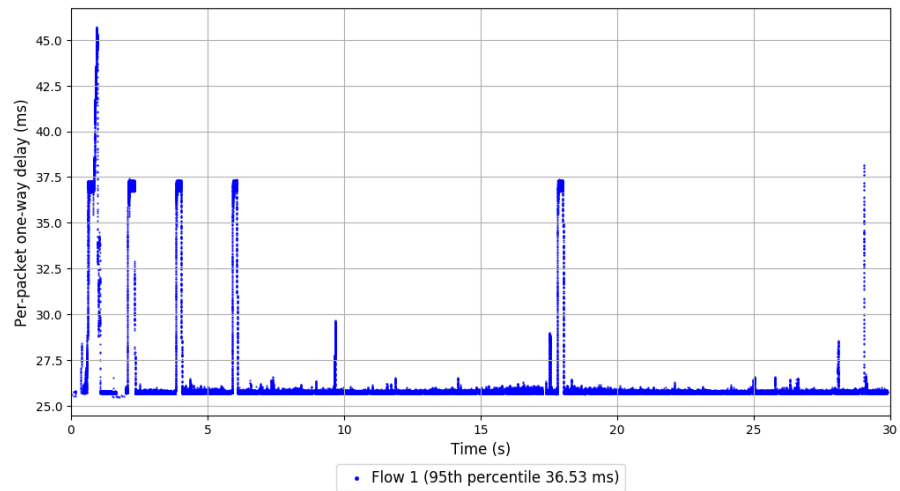
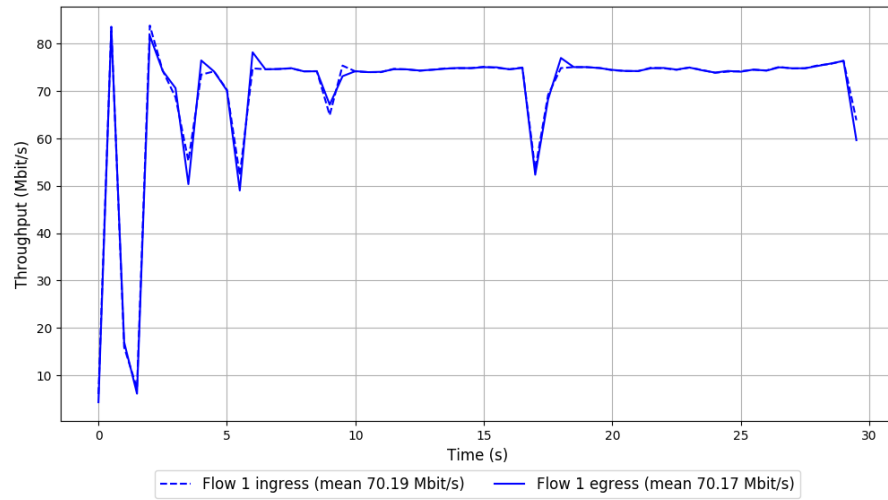
Average throughput: 70.17 Mbit/s

95th percentile per-packet one-way delay: 36.531 ms

Loss rate: 0.20%



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



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-25 08:55:21

End at: 2018-01-25 08:55:51

Local clock offset: 1.92 ms

Remote clock offset: 0.448 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 34.579 ms

Loss rate: 0.08%

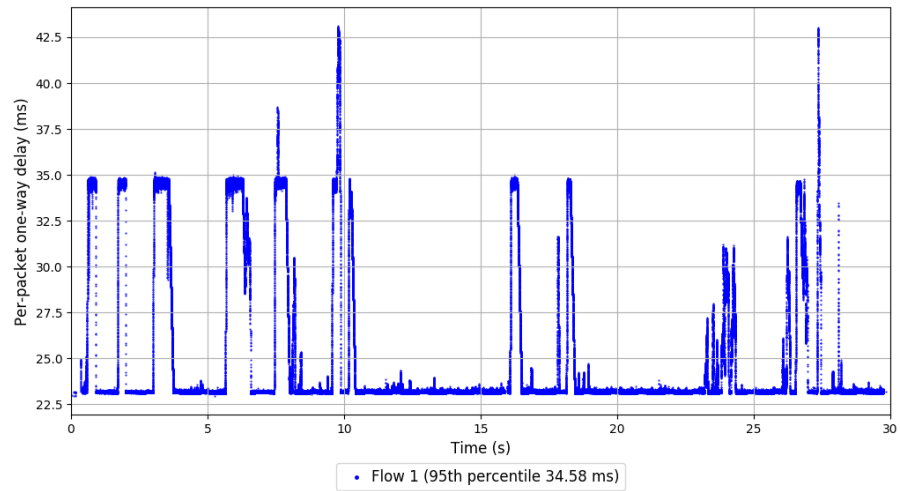
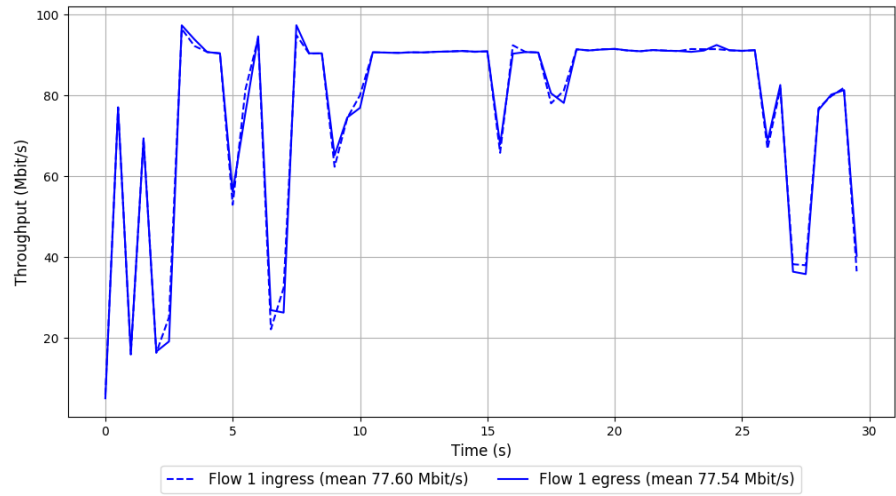
-- Flow 1:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 34.579 ms

Loss rate: 0.08%

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

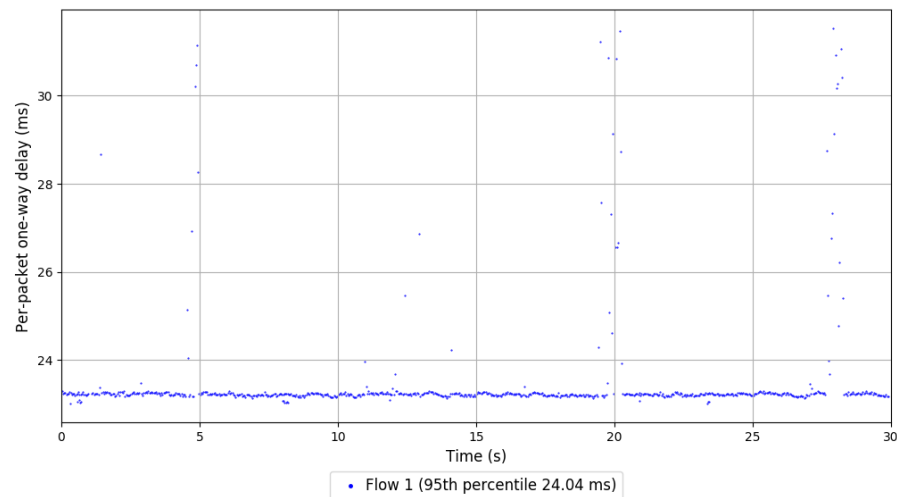
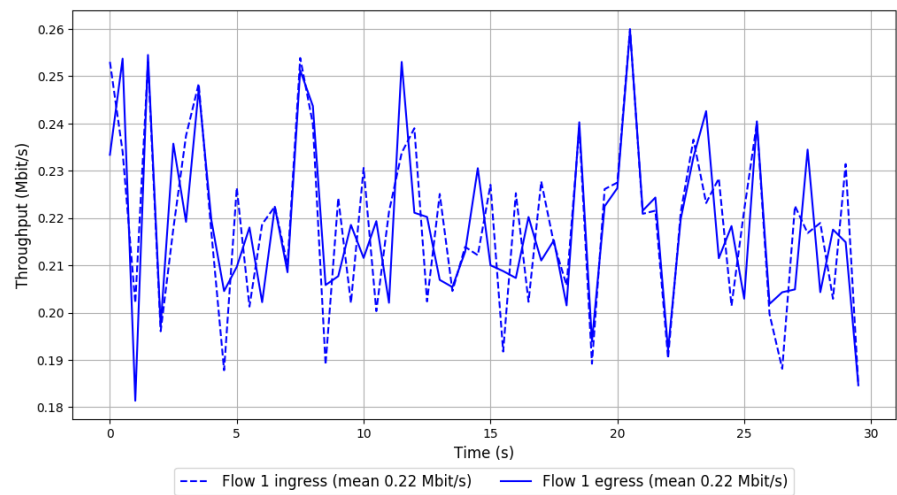


```
Run 1: Statistics of SCReAM

Start at: 2018-01-25 05:49:22
End at: 2018-01-25 05:49:52
Local clock offset: 1.366 ms
Remote clock offset: 0.284 ms

# Below is generated by plot.py at 2018-01-25 12:58:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.036 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.036 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-01-25 06:11:06

End at: 2018-01-25 06:11:36

Local clock offset: 1.482 ms

Remote clock offset: 0.31 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 30.031 ms

Loss rate: 0.30%

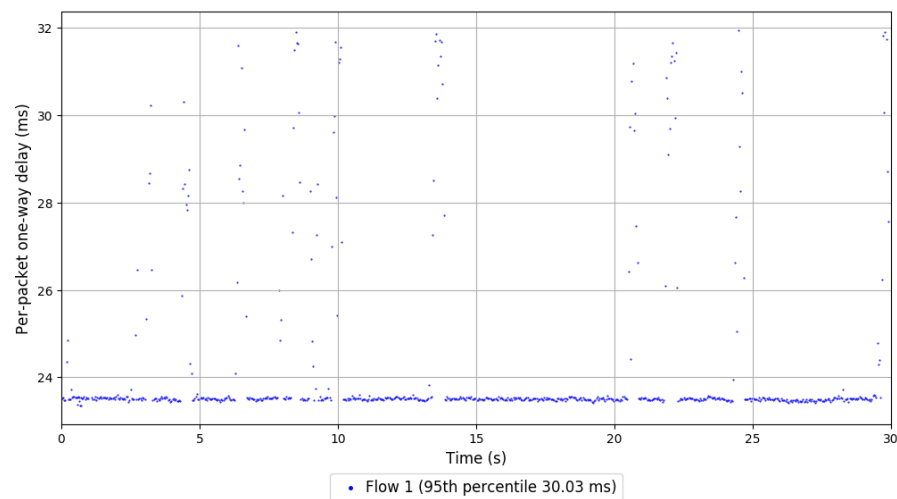
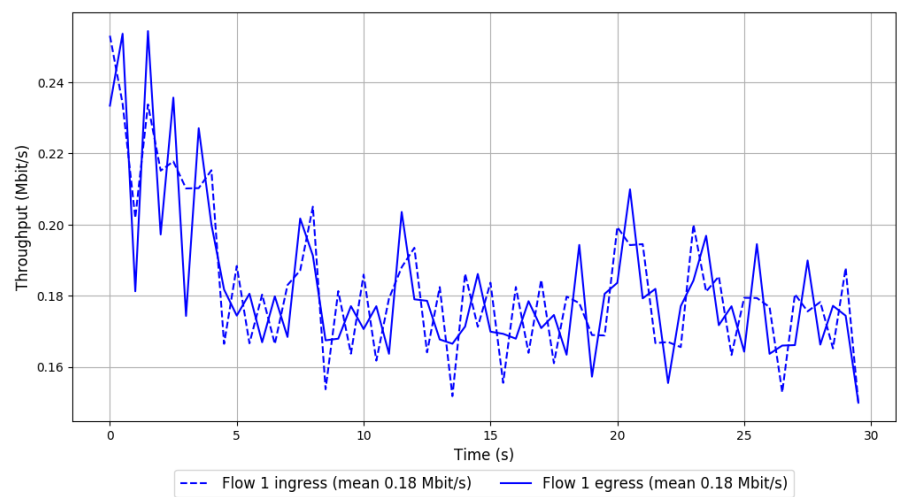
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 30.031 ms

Loss rate: 0.30%

Run 2: Report of SReAM — Data Link



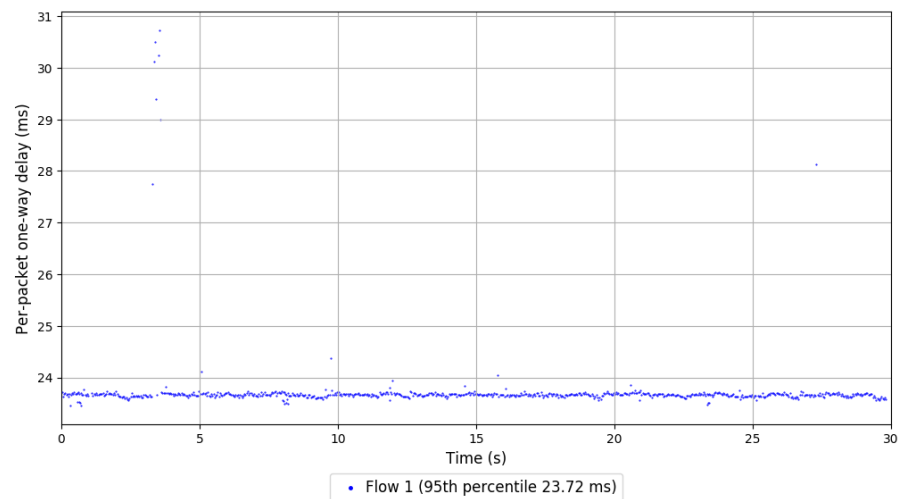
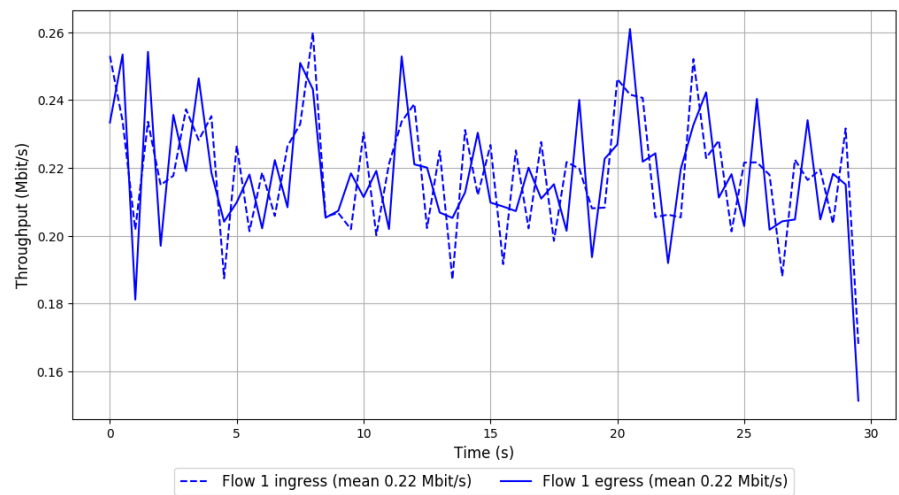
Run 3: Statistics of SCReAM

Start at: 2018-01-25 06:32:37  
End at: 2018-01-25 06:33:07  
Local clock offset: 1.659 ms  
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-01-25 12:58:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 23.720 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 23.720 ms  
Loss rate: 0.25%



Run 3: Report of SReAM — Data Link

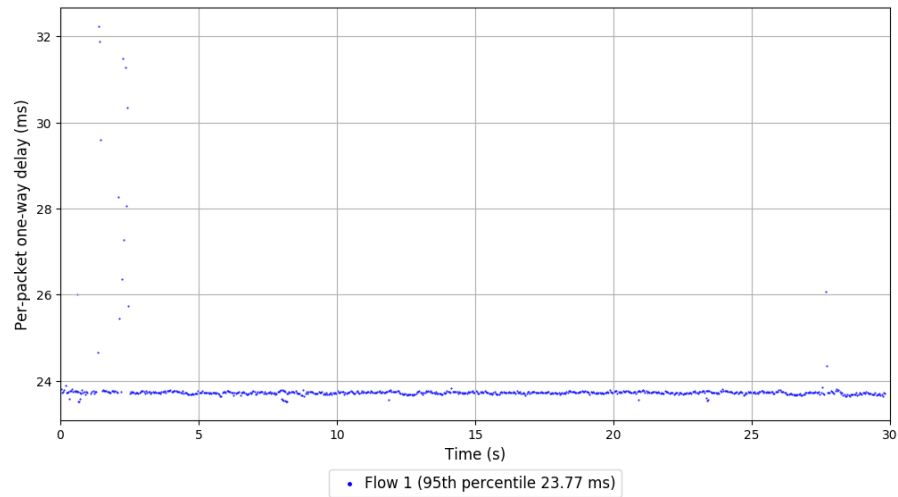
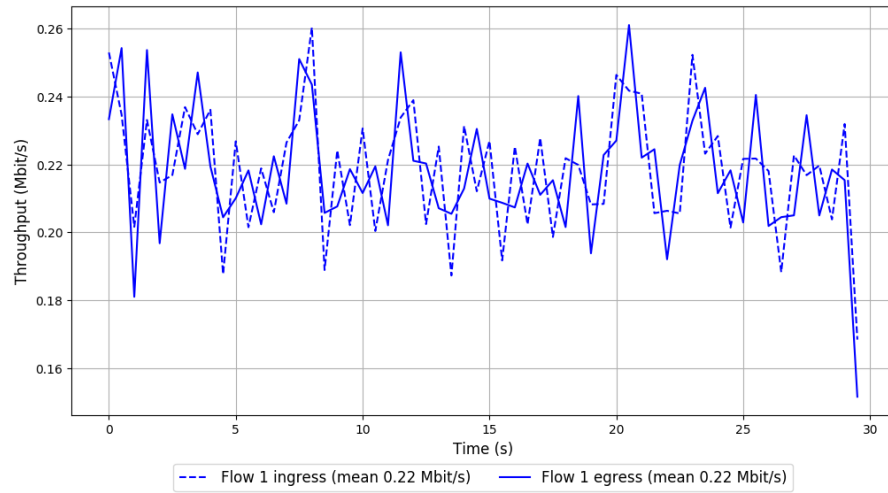


Run 4: Statistics of SCReAM

Start at: 2018-01-25 06:53:53  
End at: 2018-01-25 06:54:23  
Local clock offset: 1.735 ms  
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-01-25 12:58:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 23.774 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 23.774 ms  
Loss rate: 0.25%

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



Run 5: Statistics of SCReAM

Start at: 2018-01-25 07:15:12

End at: 2018-01-25 07:15:42

Local clock offset: 1.725 ms

Remote clock offset: 0.617 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 23.158 ms

Loss rate: 0.26%

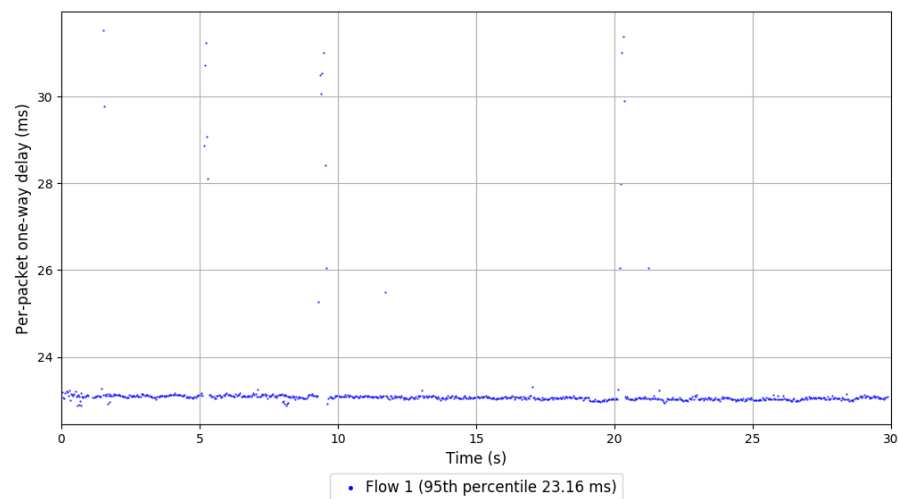
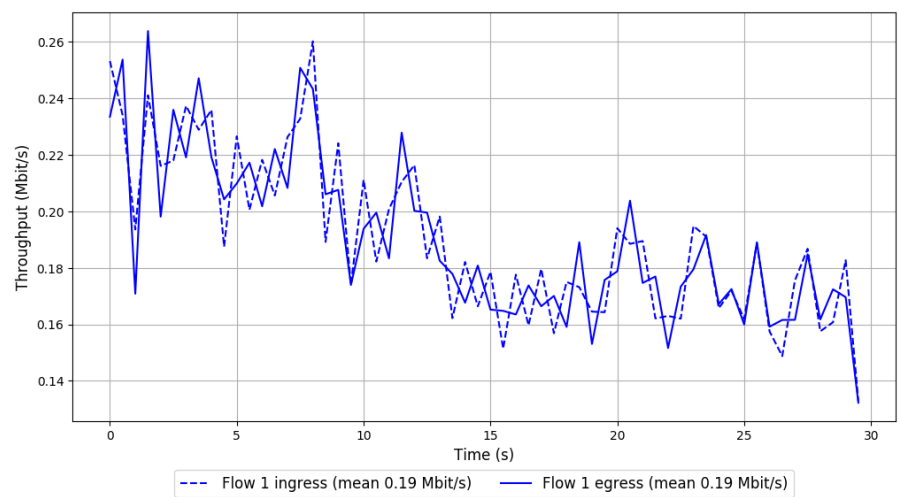
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 23.158 ms

Loss rate: 0.26%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-01-25 07:36:36

End at: 2018-01-25 07:37:06

Local clock offset: 1.859 ms

Remote clock offset: 0.256 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 23.627 ms

Loss rate: 0.50%

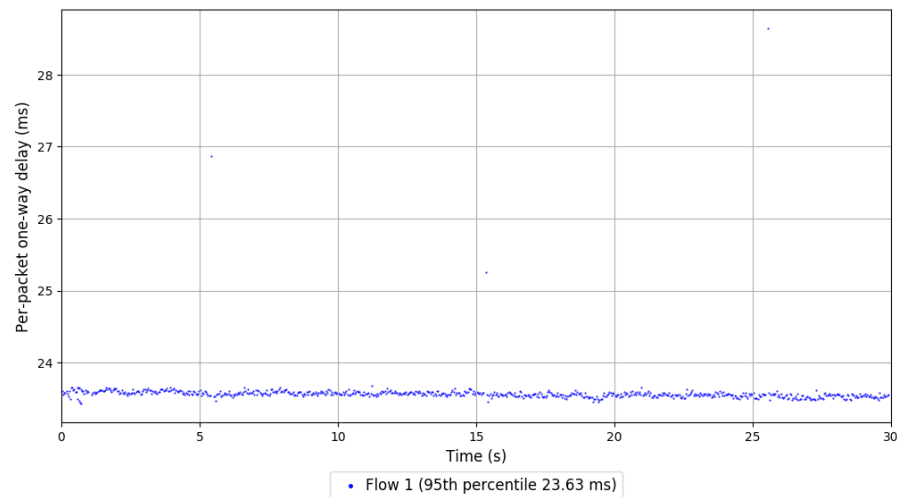
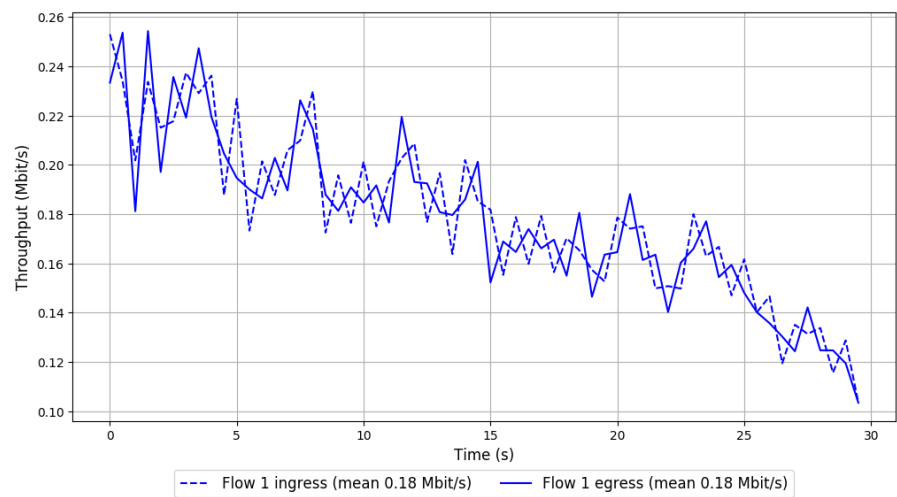
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 23.627 ms

Loss rate: 0.50%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-25 07:57:52

End at: 2018-01-25 07:58:22

Local clock offset: 1.895 ms

Remote clock offset: 0.222 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.664 ms

Loss rate: 0.13%

-- Flow 1:

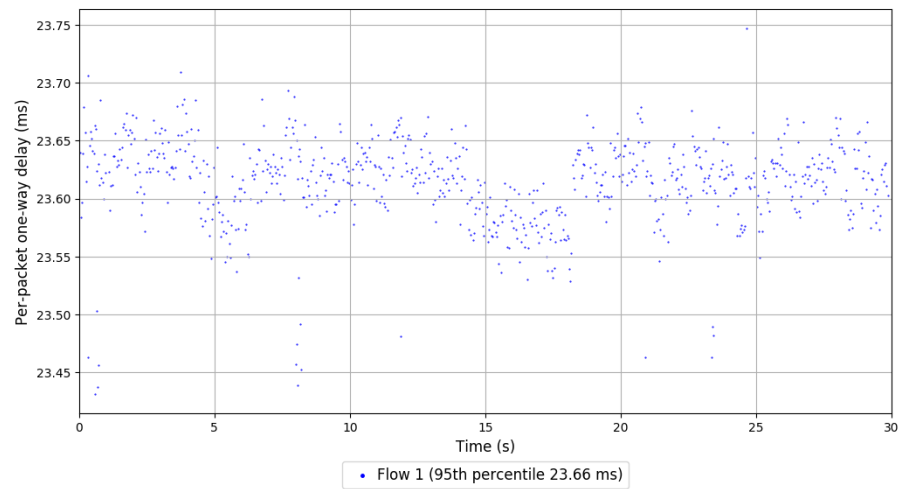
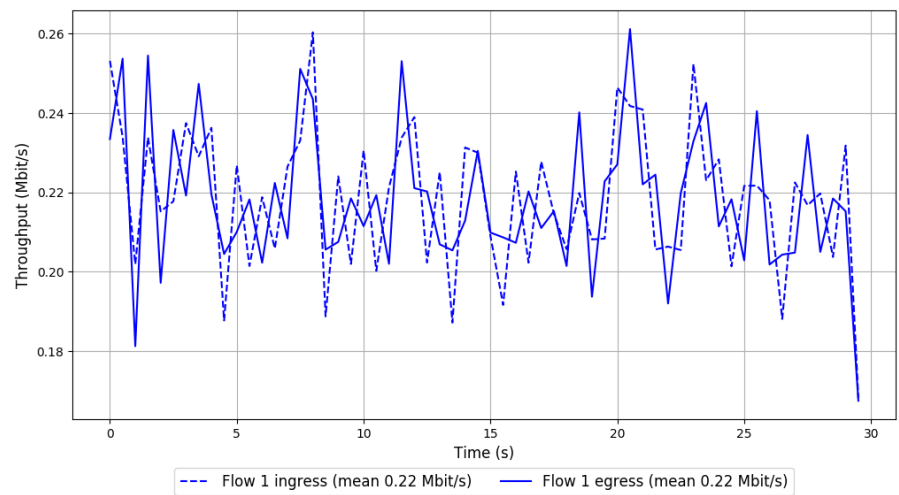
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.664 ms

Loss rate: 0.13%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-25 08:19:13

End at: 2018-01-25 08:19:43

Local clock offset: 1.918 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.785 ms

Loss rate: 0.13%

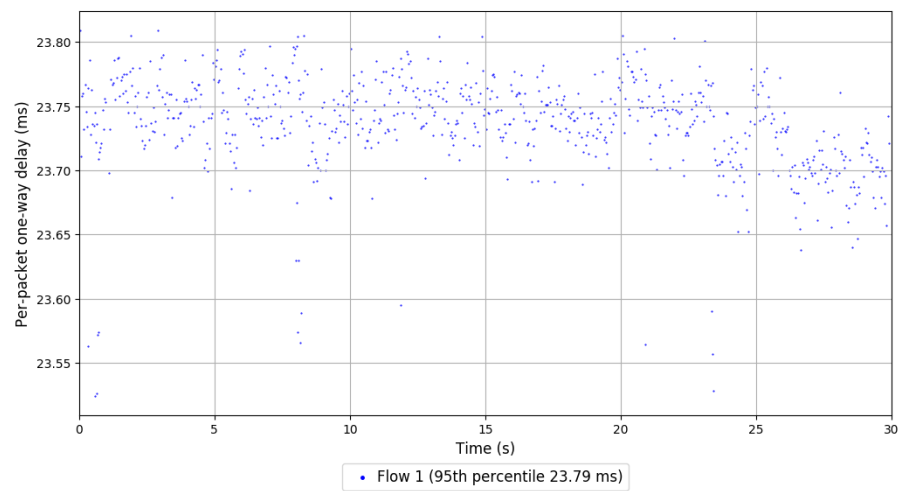
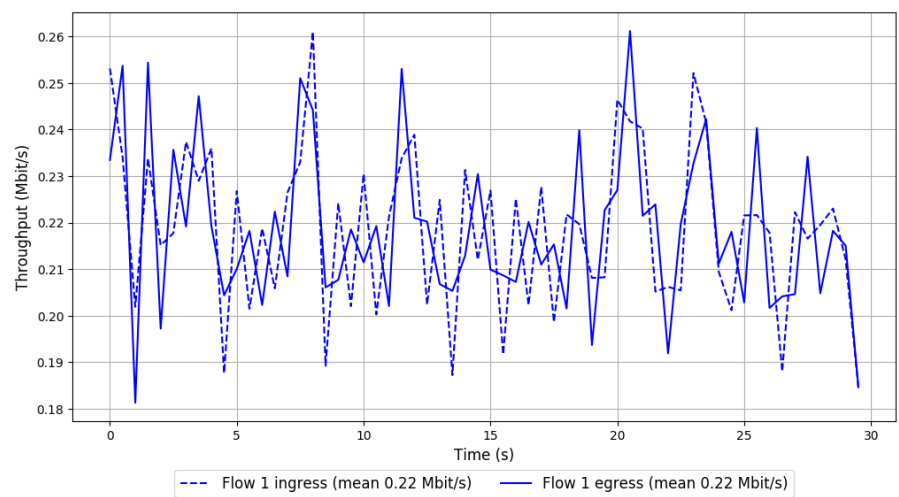
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.785 ms

Loss rate: 0.13%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-25 08:40:31

End at: 2018-01-25 08:41:01

Local clock offset: 1.846 ms

Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 23.670 ms

Loss rate: 0.27%

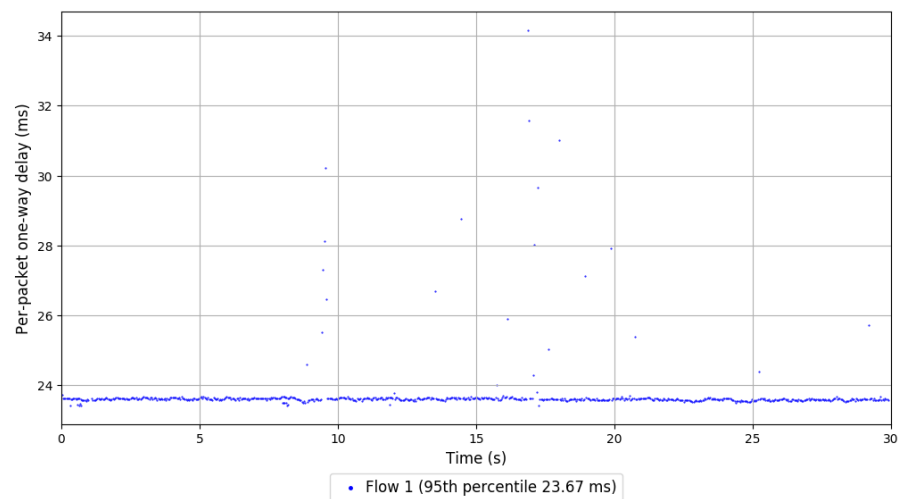
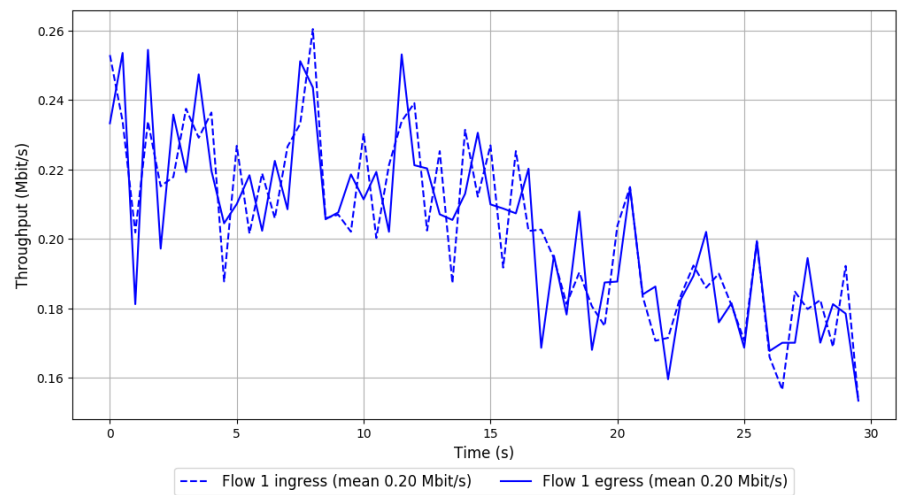
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 23.670 ms

Loss rate: 0.27%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-25 09:01:56

End at: 2018-01-25 09:02:26

Local clock offset: 1.928 ms

Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.679 ms

Loss rate: 0.13%

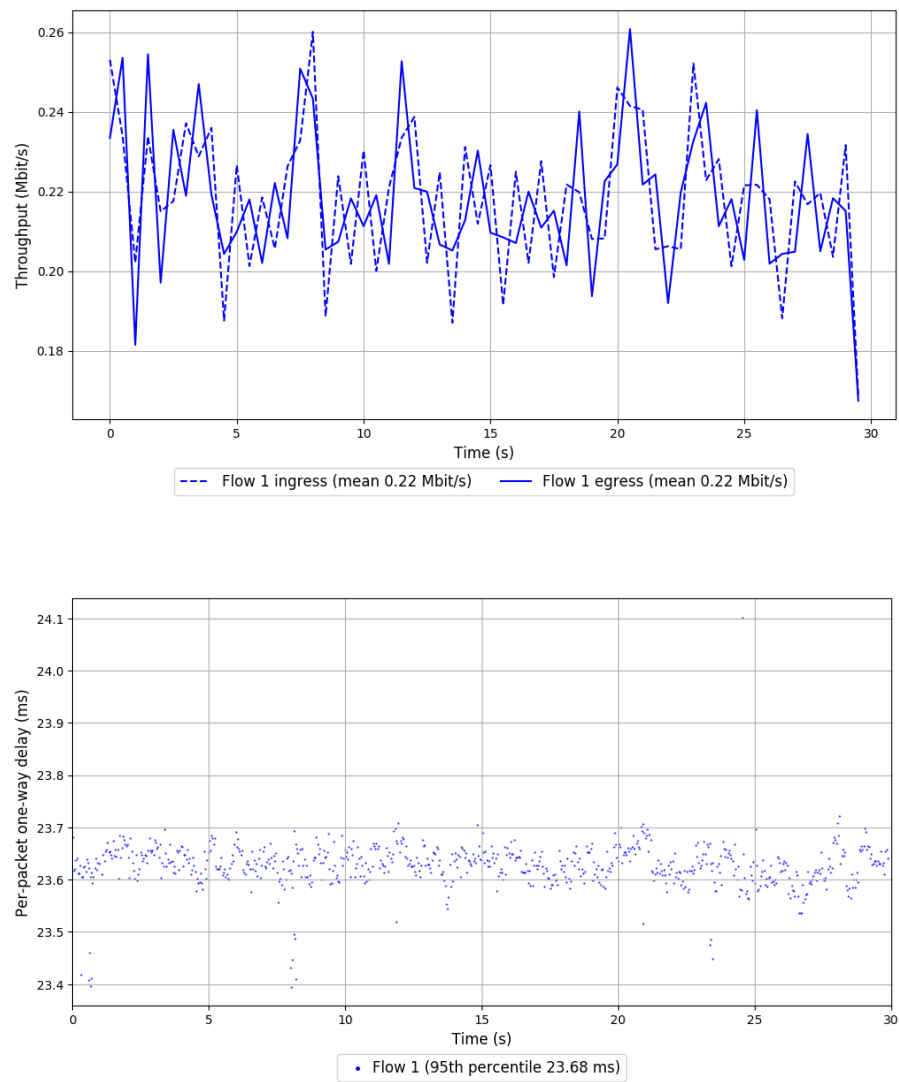
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.679 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



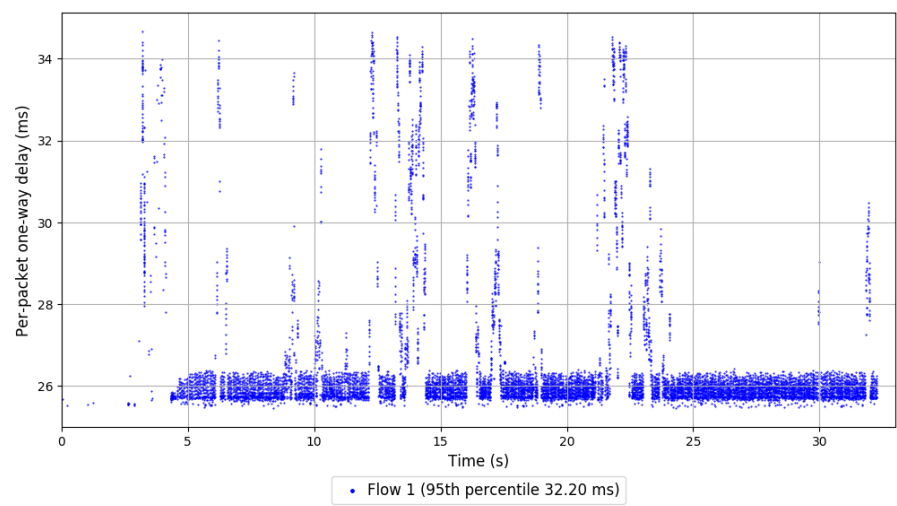
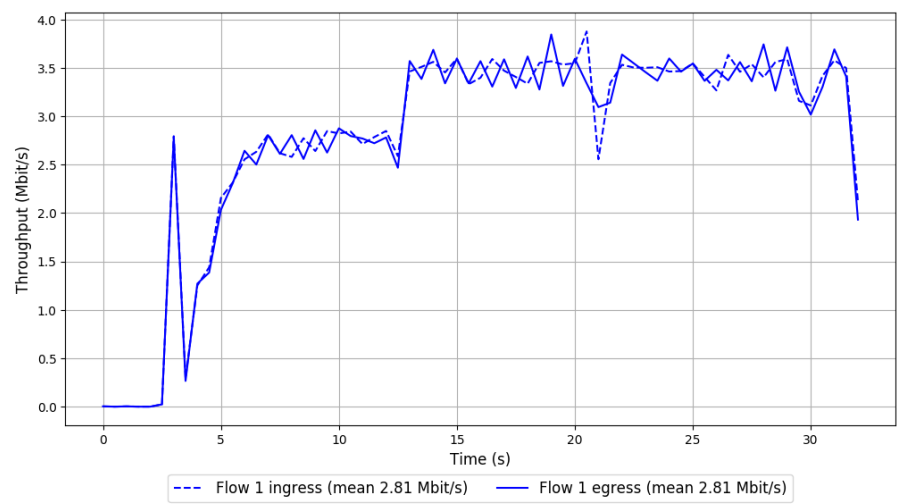
Run 1: Statistics of WebRTC media

Start at: 2018-01-25 05:48:06  
End at: 2018-01-25 05:48:36  
Local clock offset: 1.385 ms  
Remote clock offset: -2.151 ms

# Below is generated by plot.py at 2018-01-25 12:58:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.81 Mbit/s  
95th percentile per-packet one-way delay: 32.197 ms  
Loss rate: 0.46%  
-- Flow 1:  
Average throughput: 2.81 Mbit/s  
95th percentile per-packet one-way delay: 32.197 ms  
Loss rate: 0.46%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-25 06:09:50

End at: 2018-01-25 06:10:20

Local clock offset: 1.475 ms

Remote clock offset: 0.108 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.63 Mbit/s

95th percentile per-packet one-way delay: 24.283 ms

Loss rate: 0.25%

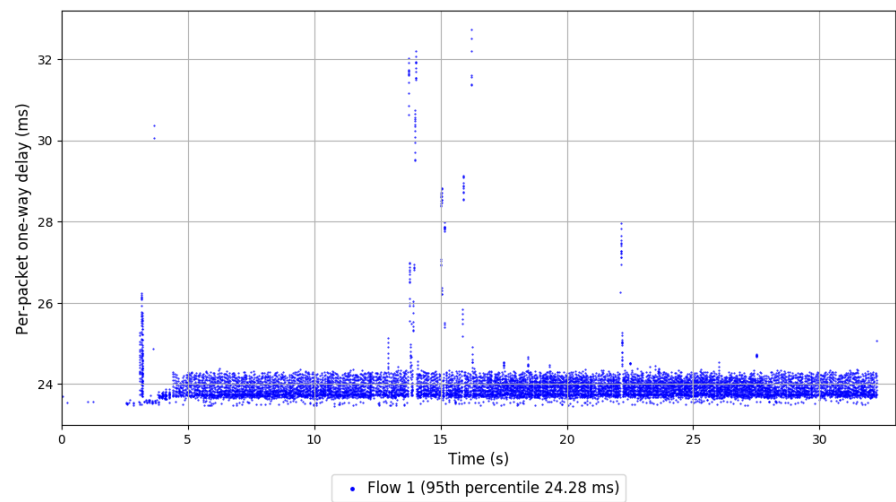
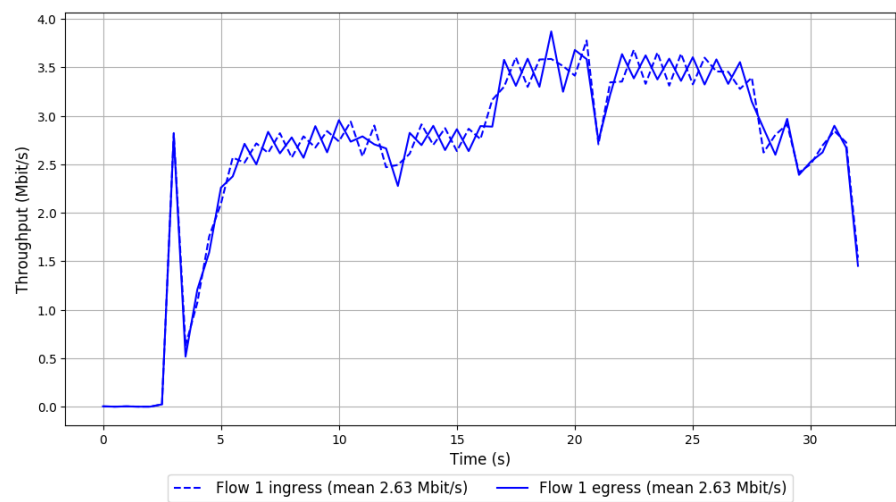
-- Flow 1:

Average throughput: 2.63 Mbit/s

95th percentile per-packet one-way delay: 24.283 ms

Loss rate: 0.25%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-25 06:31:21

End at: 2018-01-25 06:31:51

Local clock offset: 1.555 ms

Remote clock offset: -2.06 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 26.179 ms

Loss rate: 0.31%

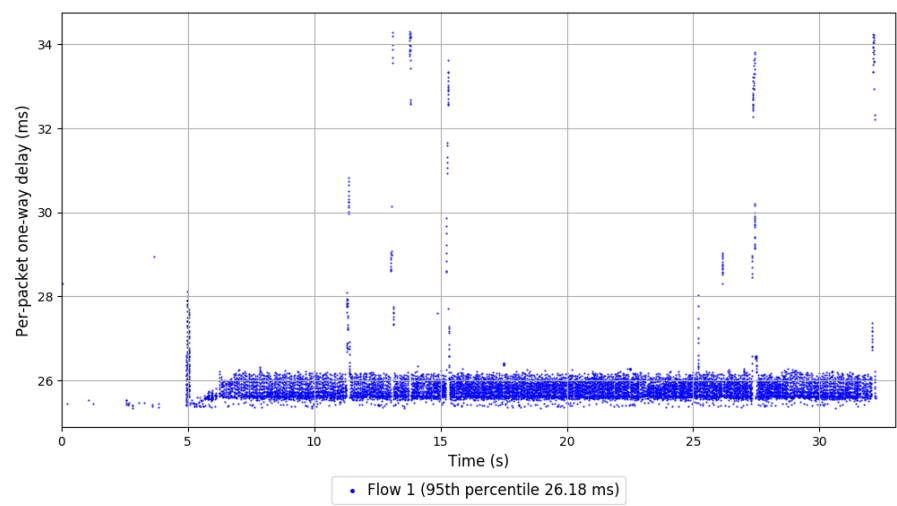
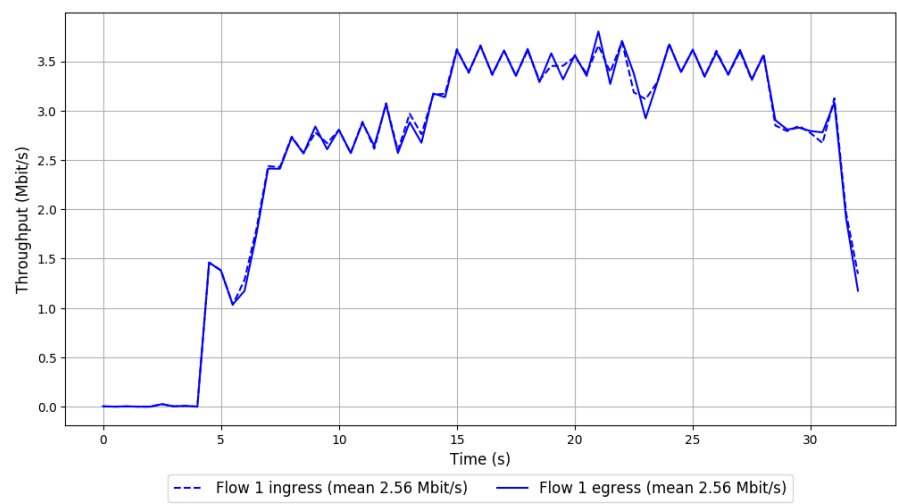
-- Flow 1:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 26.179 ms

Loss rate: 0.31%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-25 06:52:37

End at: 2018-01-25 06:53:07

Local clock offset: 1.646 ms

Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 23.960 ms

Loss rate: 0.33%

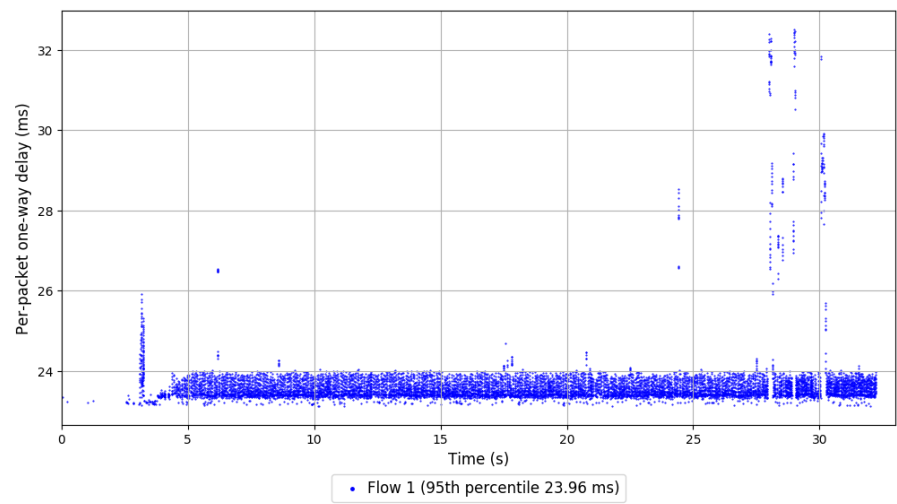
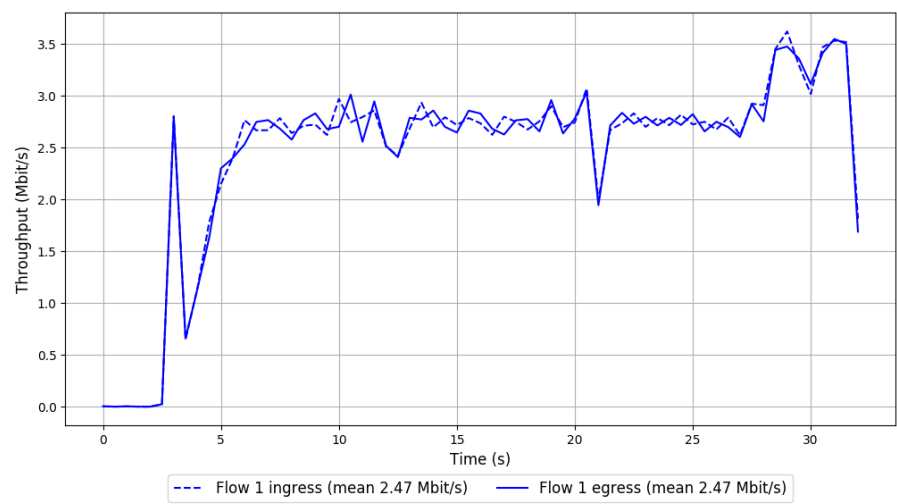
-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 23.960 ms

Loss rate: 0.33%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-25 07:13:56

End at: 2018-01-25 07:14:26

Local clock offset: 1.748 ms

Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 25.607 ms

Loss rate: 0.28%

-- Flow 1:

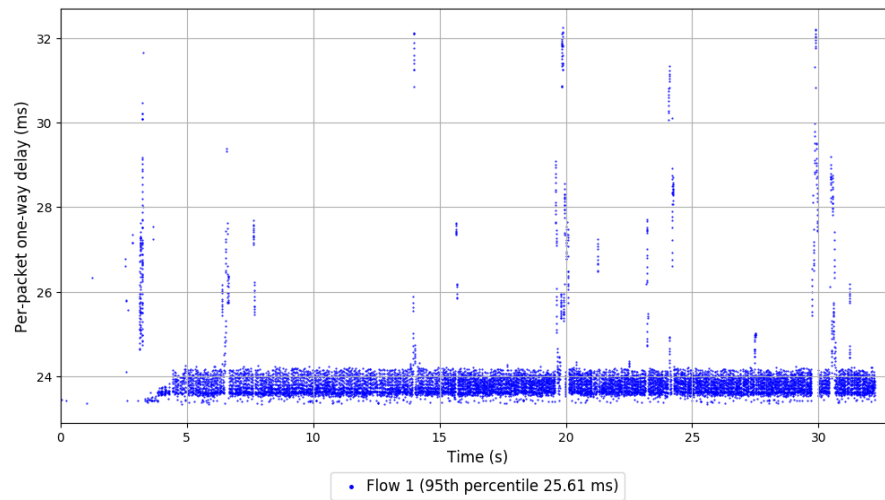
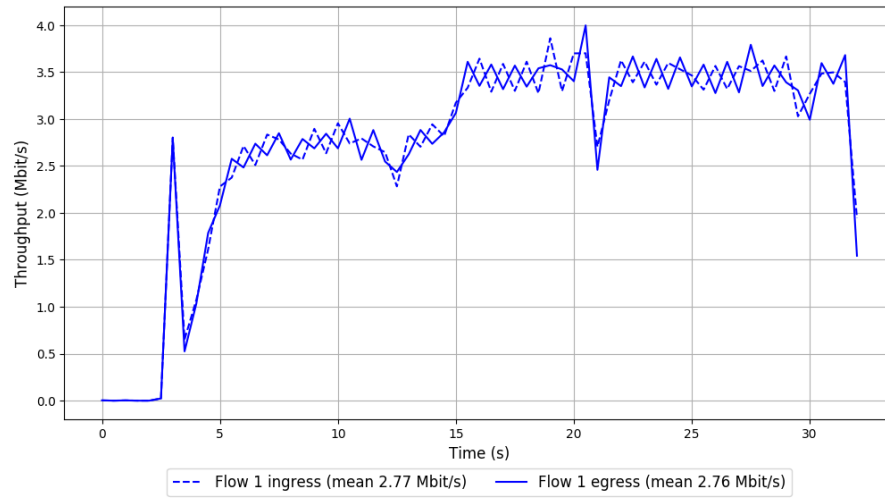
Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 25.607 ms

Loss rate: 0.28%



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

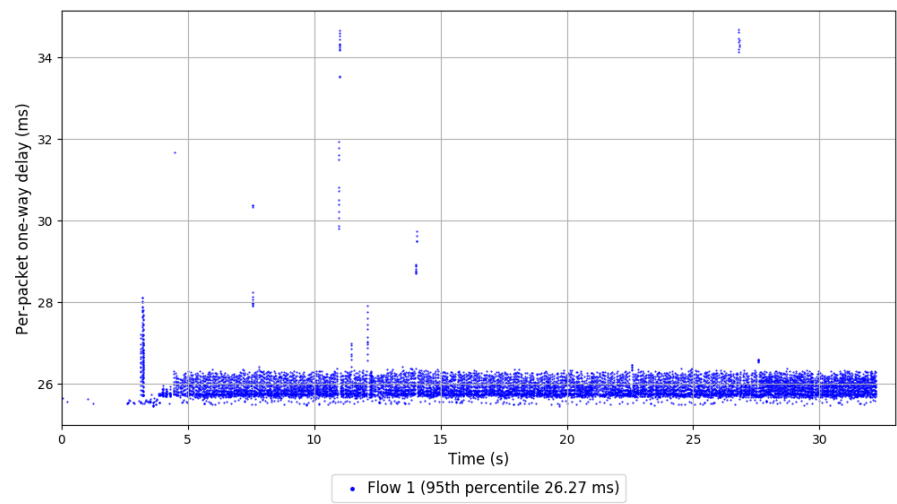
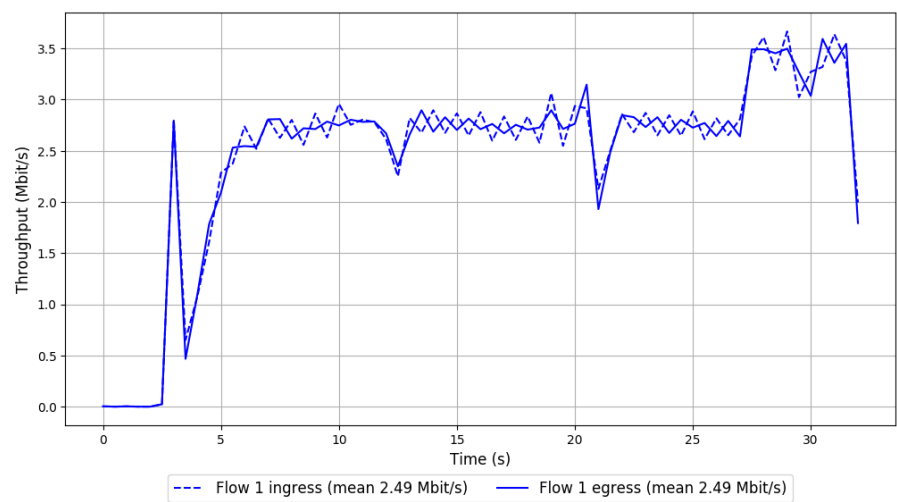


Run 6: Statistics of WebRTC media

Start at: 2018-01-25 07:35:21  
End at: 2018-01-25 07:35:51  
Local clock offset: 1.77 ms  
Remote clock offset: -1.991 ms

# Below is generated by plot.py at 2018-01-25 12:58:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.49 Mbit/s  
95th percentile per-packet one-way delay: 26.269 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 2.49 Mbit/s  
95th percentile per-packet one-way delay: 26.269 ms  
Loss rate: 0.23%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-25 07:56:36

End at: 2018-01-25 07:57:06

Local clock offset: 1.911 ms

Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 24.268 ms

Loss rate: 0.14%

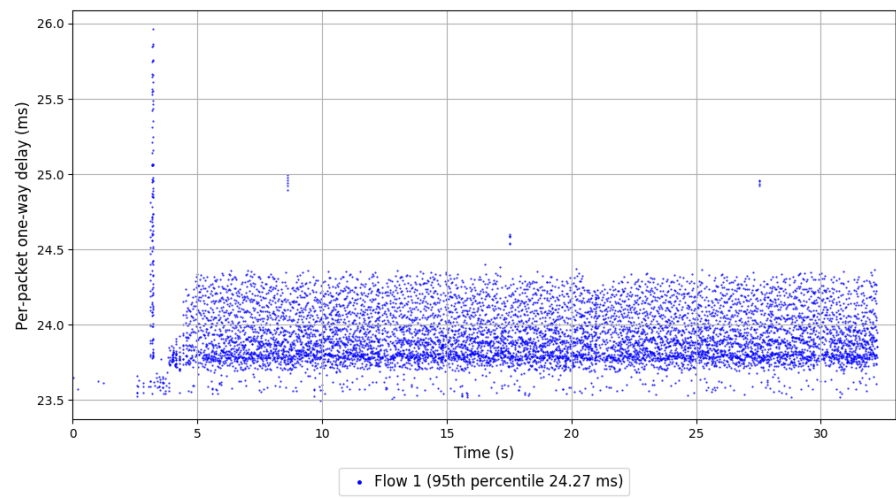
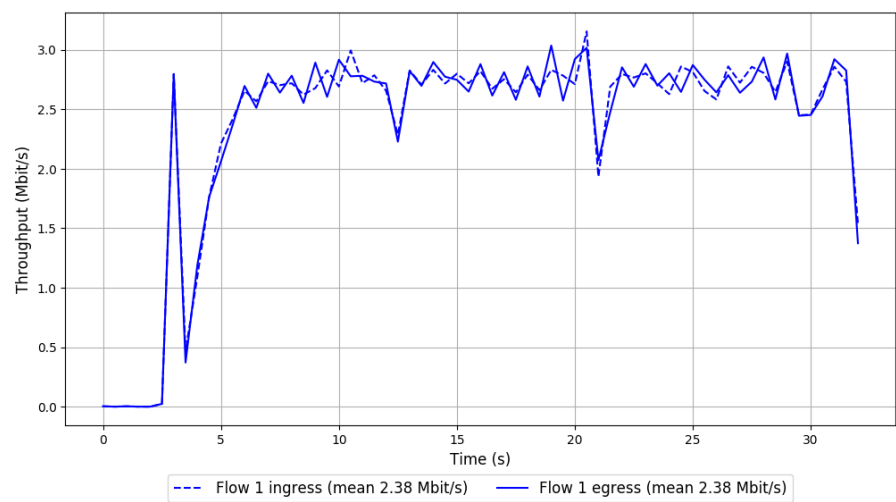
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 24.268 ms

Loss rate: 0.14%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-25 08:17:58

End at: 2018-01-25 08:18:28

Local clock offset: 1.909 ms

Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 24.091 ms

Loss rate: 0.15%

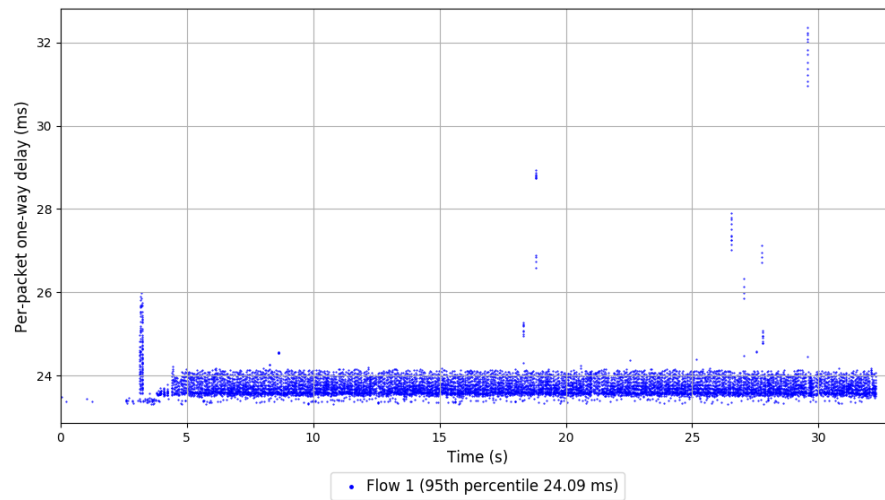
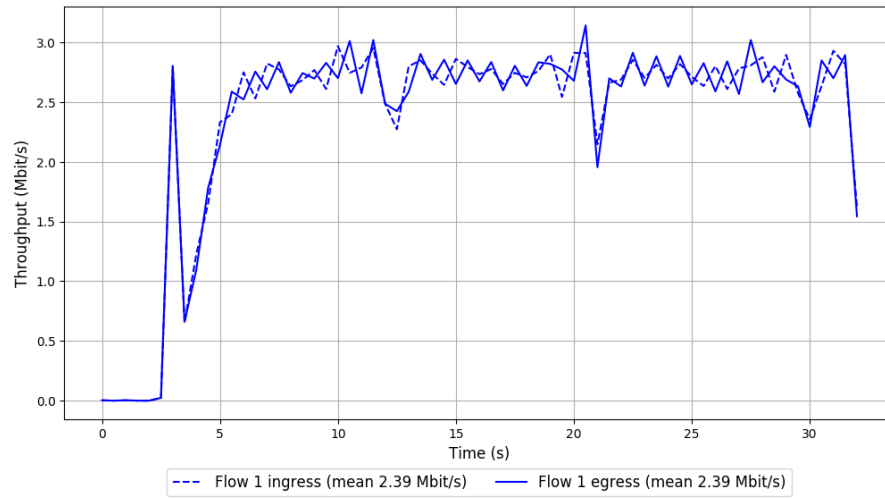
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 24.091 ms

Loss rate: 0.15%

## Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-25 08:39:15

End at: 2018-01-25 08:39:45

Local clock offset: 1.904 ms

Remote clock offset: 0.46 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 23.697 ms

Loss rate: 0.15%

-- Flow 1:

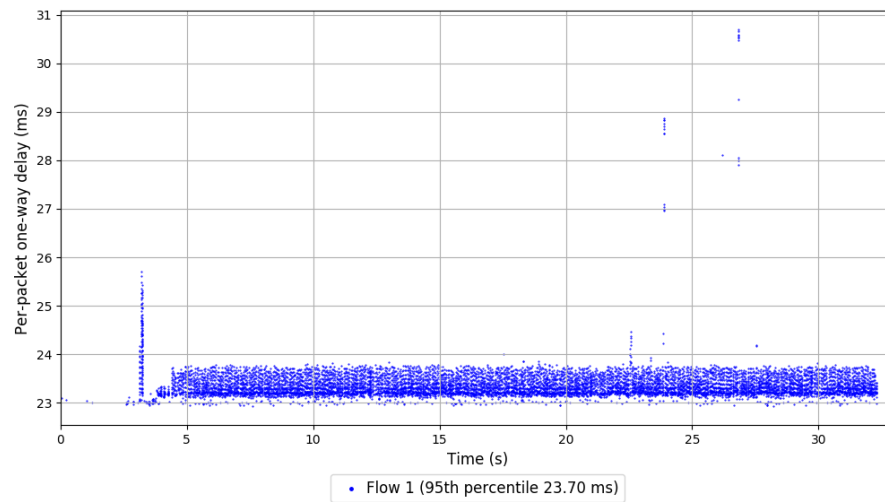
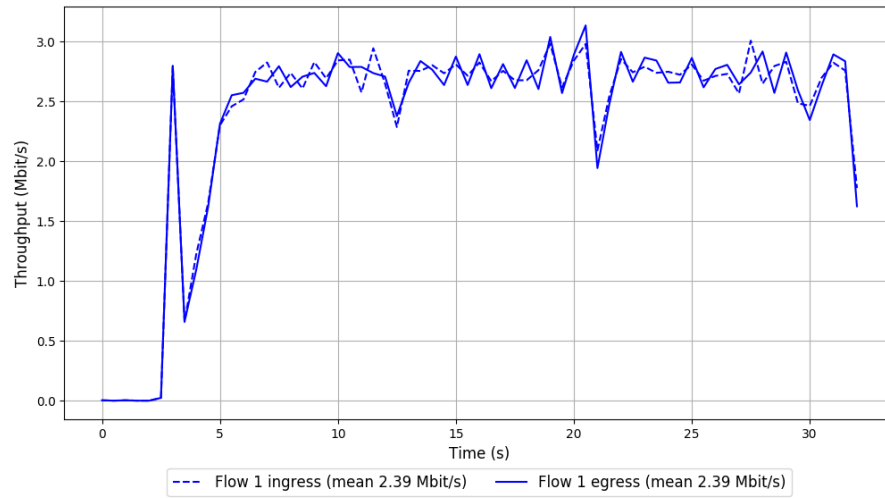
Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 23.697 ms

Loss rate: 0.15%



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



Run 10: Statistics of WebRTC media

Start at: 2018-01-25 09:00:39

End at: 2018-01-25 09:01:09

Local clock offset: 1.907 ms

Remote clock offset: 0.479 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 23.681 ms

Loss rate: 0.14%

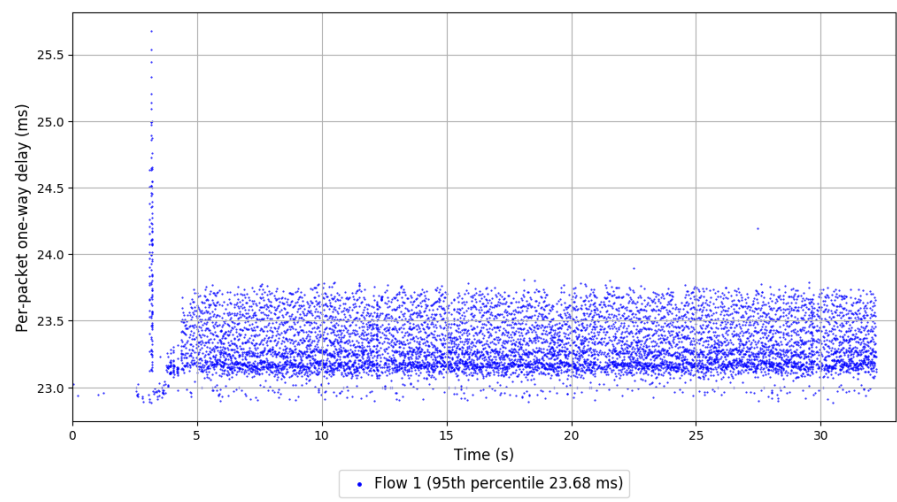
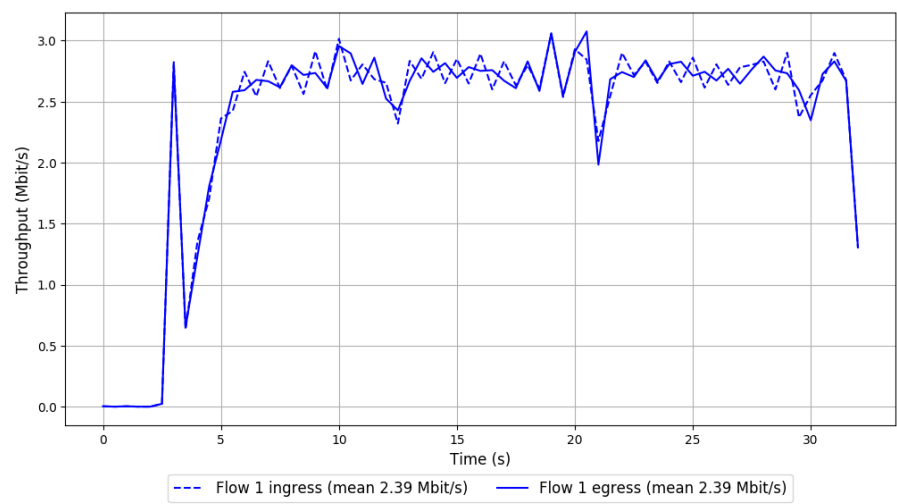
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 23.681 ms

Loss rate: 0.14%

Run 10: Report of WebRTC media — Data Link

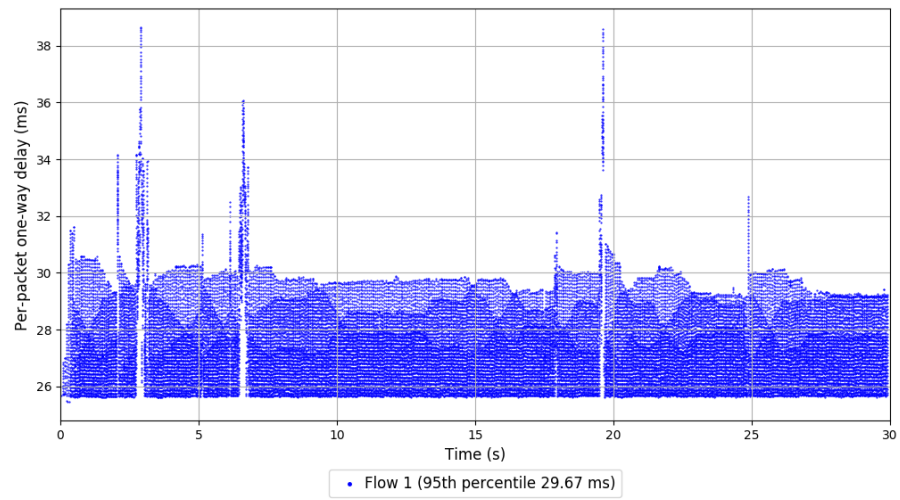
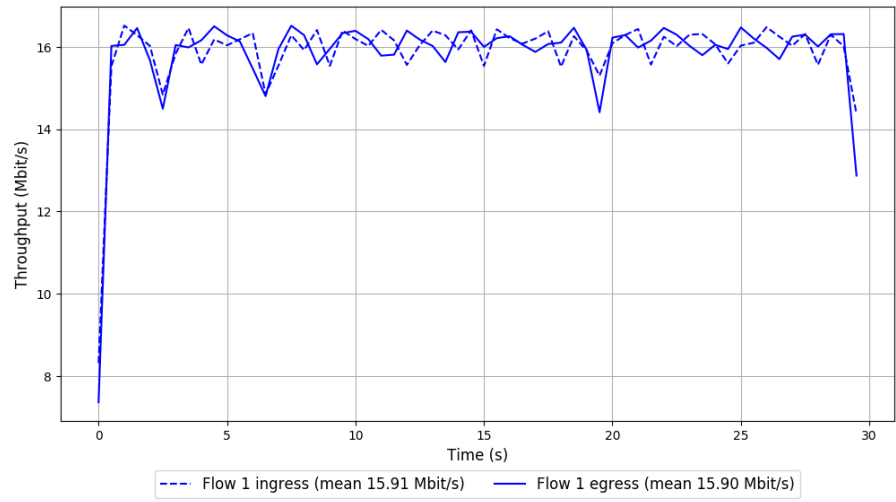


Run 1: Statistics of Sprout

Start at: 2018-01-25 05:45:28  
End at: 2018-01-25 05:45:58  
Local clock offset: 1.358 ms  
Remote clock offset: -2.173 ms

# Below is generated by plot.py at 2018-01-25 12:58:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.90 Mbit/s  
95th percentile per-packet one-way delay: 29.674 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 15.90 Mbit/s  
95th percentile per-packet one-way delay: 29.674 ms  
Loss rate: 0.26%

# Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

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

End at: 2018-01-25 06:07:37

Local clock offset: 1.343 ms

Remote clock offset: 0.537 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.89 Mbit/s

95th percentile per-packet one-way delay: 26.920 ms

Loss rate: 0.21%

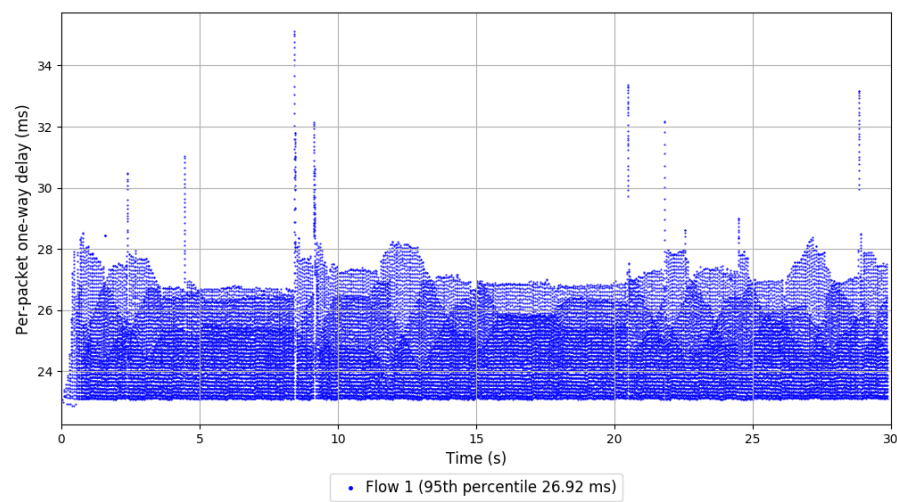
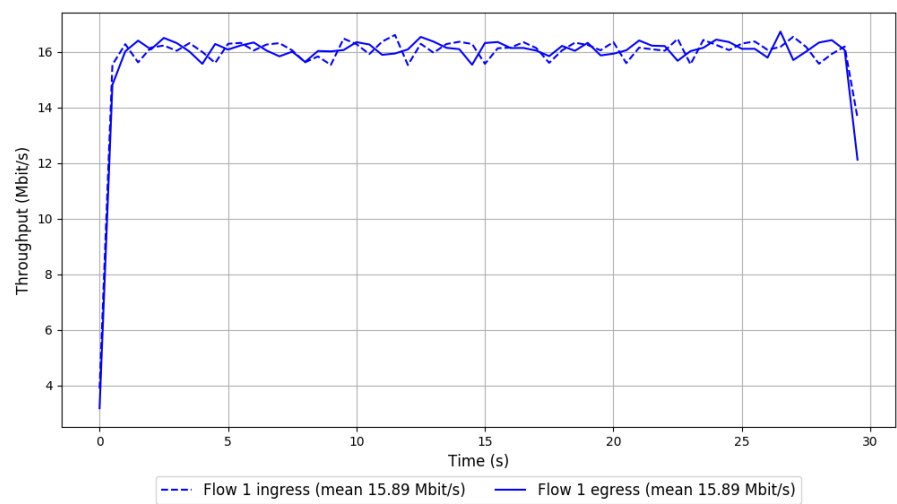
-- Flow 1:

Average throughput: 15.89 Mbit/s

95th percentile per-packet one-way delay: 26.920 ms

Loss rate: 0.21%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-25 06:28:45

End at: 2018-01-25 06:29:15

Local clock offset: 1.644 ms

Remote clock offset: 0.473 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 26.844 ms

Loss rate: 0.22%

-- Flow 1:

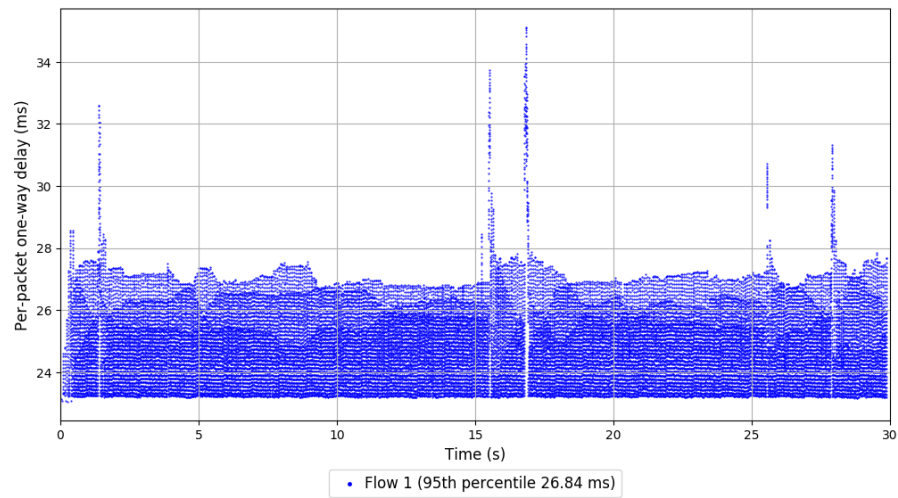
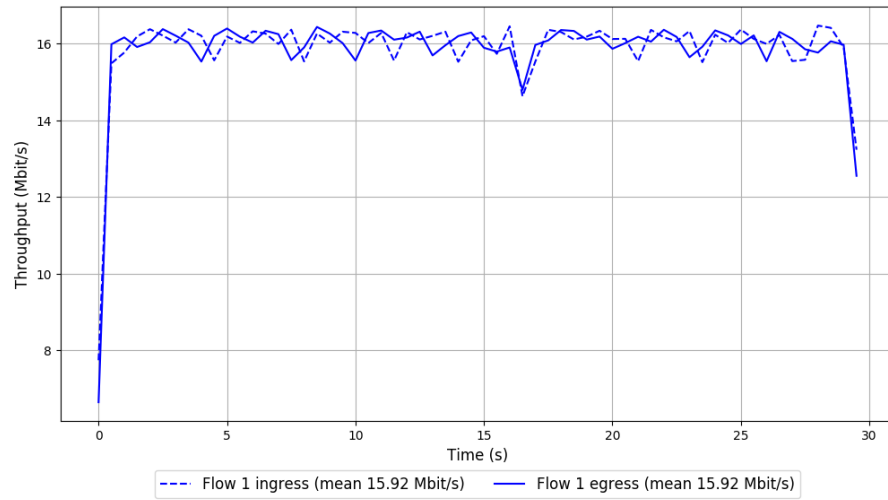
Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 26.844 ms

Loss rate: 0.22%



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

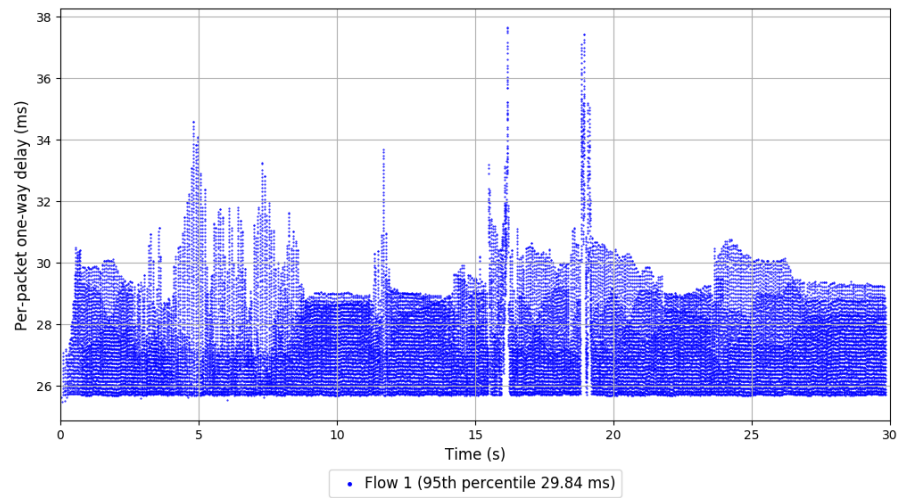
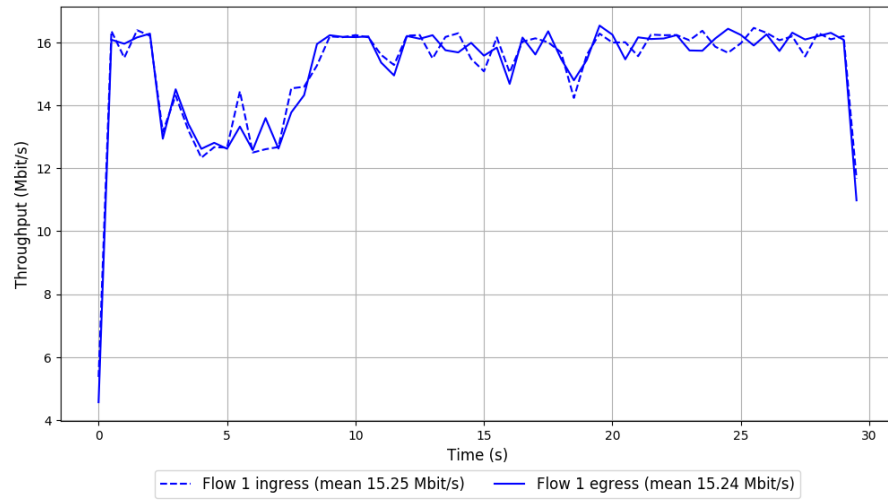


Run 4: Statistics of Sprout

Start at: 2018-01-25 06:49:59  
End at: 2018-01-25 06:50:29  
Local clock offset: 1.708 ms  
Remote clock offset: -2.063 ms

# Below is generated by plot.py at 2018-01-25 12:58:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.24 Mbit/s  
95th percentile per-packet one-way delay: 29.840 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 15.24 Mbit/s  
95th percentile per-packet one-way delay: 29.840 ms  
Loss rate: 0.17%

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



Run 5: Statistics of Sprout

Start at: 2018-01-25 07:11:18

End at: 2018-01-25 07:11:48

Local clock offset: 1.747 ms

Remote clock offset: 0.155 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.85 Mbit/s

95th percentile per-packet one-way delay: 27.101 ms

Loss rate: 0.15%

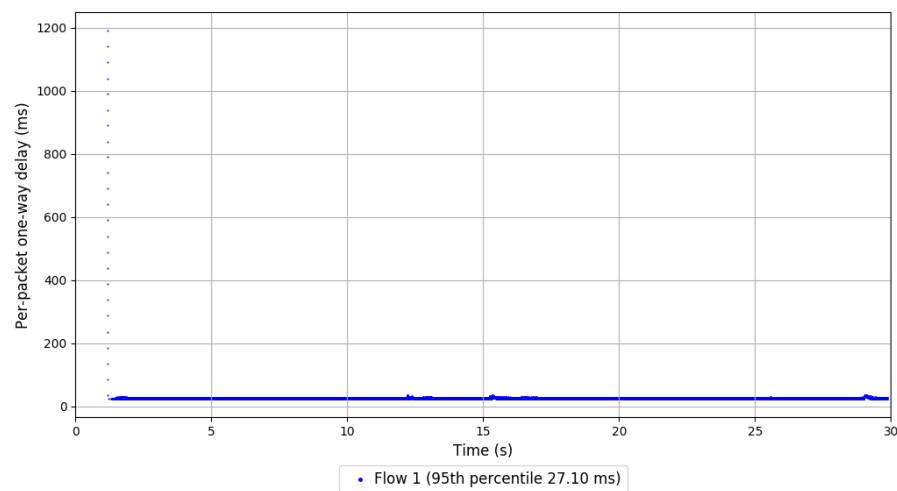
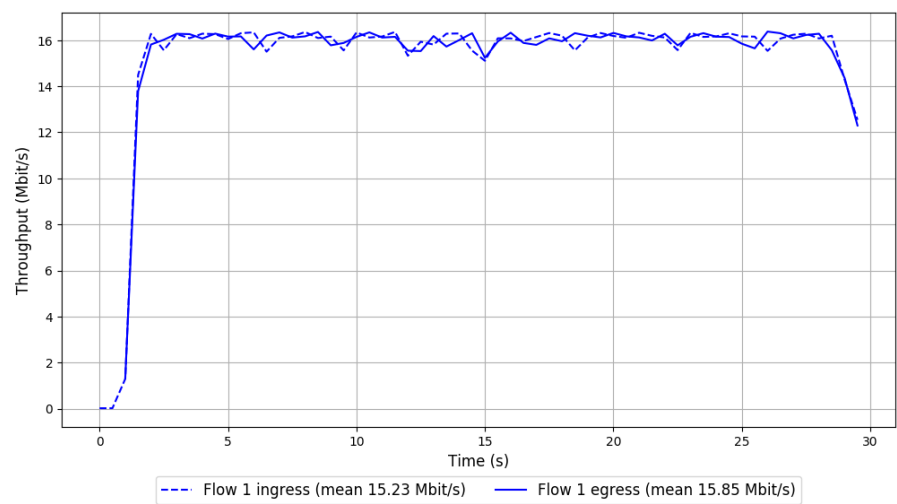
-- Flow 1:

Average throughput: 15.85 Mbit/s

95th percentile per-packet one-way delay: 27.101 ms

Loss rate: 0.15%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-25 07:32:43

End at: 2018-01-25 07:33:13

Local clock offset: 1.841 ms

Remote clock offset: 0.628 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 26.633 ms

Loss rate: 0.21%

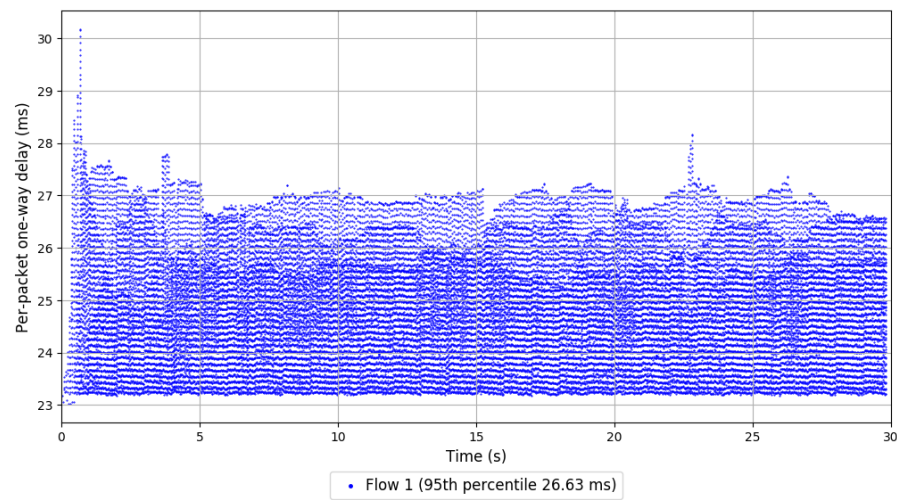
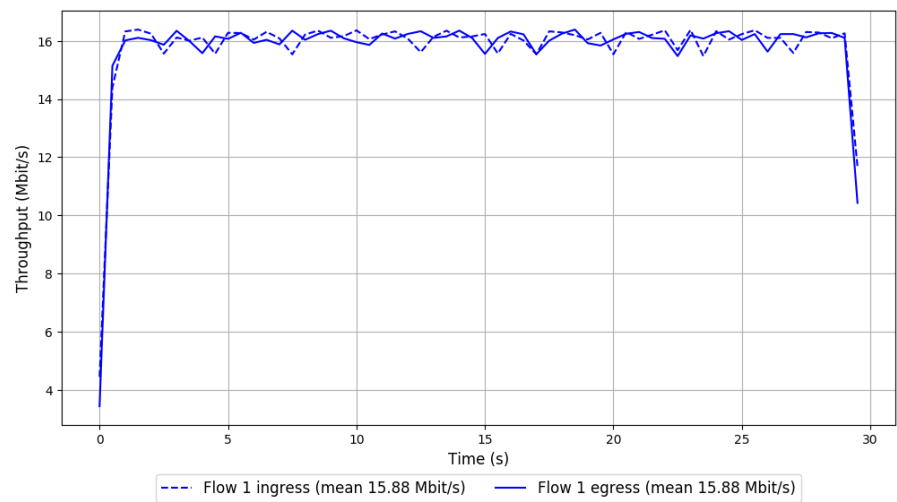
-- Flow 1:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 26.633 ms

Loss rate: 0.21%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-25 07:53:59

End at: 2018-01-25 07:54:29

Local clock offset: 1.877 ms

Remote clock offset: 0.24 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.97 Mbit/s

95th percentile per-packet one-way delay: 27.226 ms

Loss rate: 0.16%

-- Flow 1:

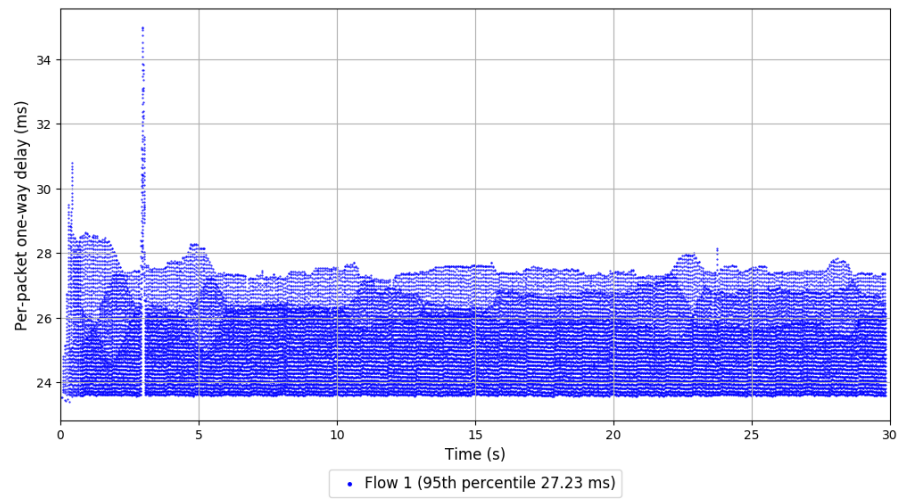
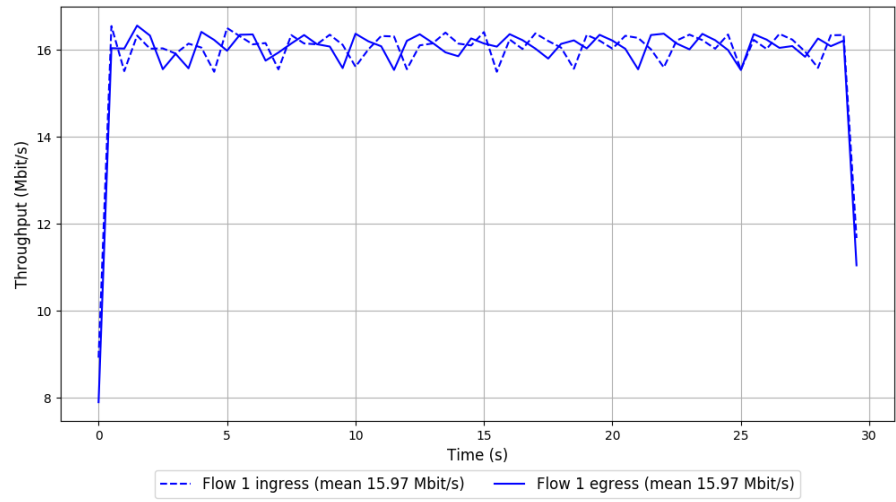
Average throughput: 15.97 Mbit/s

95th percentile per-packet one-way delay: 27.226 ms

Loss rate: 0.16%



# Run 7: Report of Sprout — Data Link

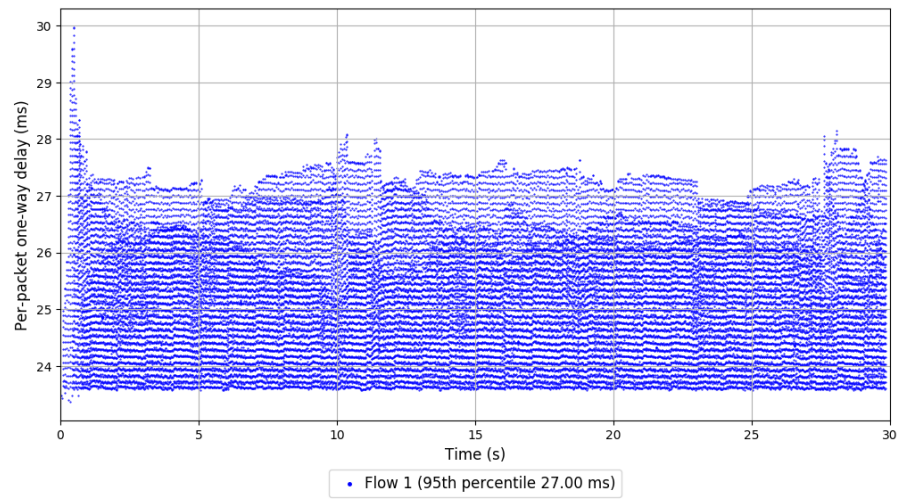
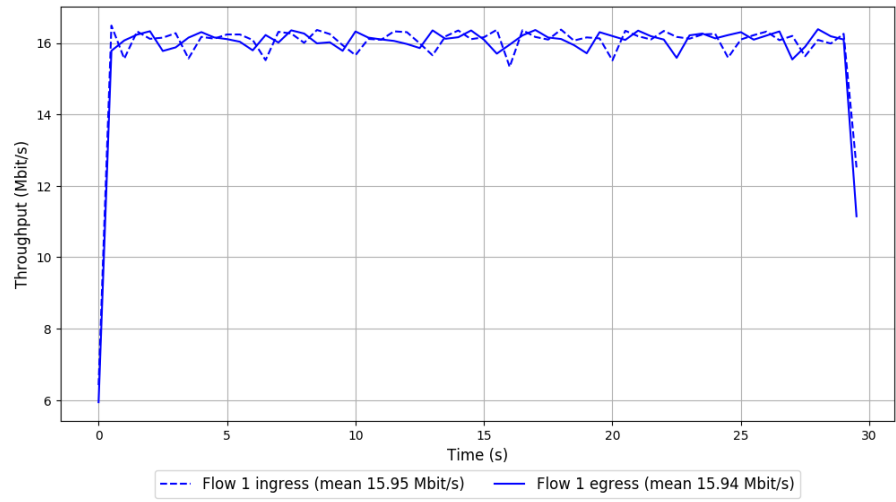


Run 8: Statistics of Sprout

Start at: 2018-01-25 08:15:21  
End at: 2018-01-25 08:15:51  
Local clock offset: 1.817 ms  
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-01-25 12:58:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.94 Mbit/s  
95th percentile per-packet one-way delay: 26.998 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 15.94 Mbit/s  
95th percentile per-packet one-way delay: 26.998 ms  
Loss rate: 0.20%

# Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-25 08:36:38

End at: 2018-01-25 08:37:08

Local clock offset: 1.903 ms

Remote clock offset: 0.576 ms

# Below is generated by plot.py at 2018-01-25 12:58:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 26.581 ms

Loss rate: 0.12%

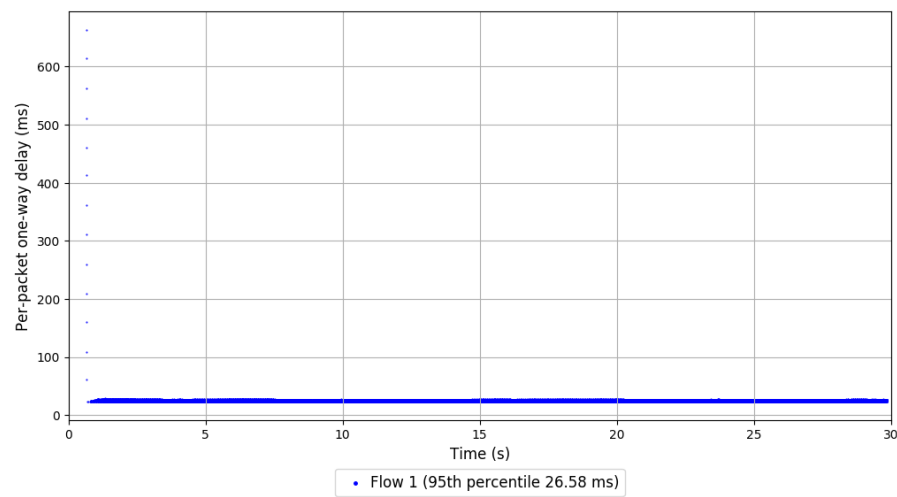
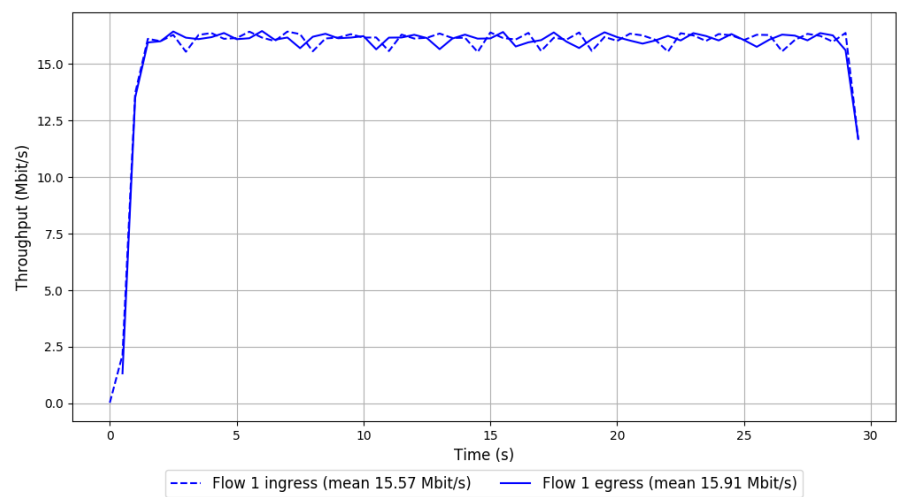
-- Flow 1:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 26.581 ms

Loss rate: 0.12%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-25 08:58:02

End at: 2018-01-25 08:58:32

Local clock offset: 1.823 ms

Remote clock offset: 0.497 ms

# Below is generated by plot.py at 2018-01-25 12:58:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.97 Mbit/s

95th percentile per-packet one-way delay: 26.302 ms

Loss rate: 0.20%

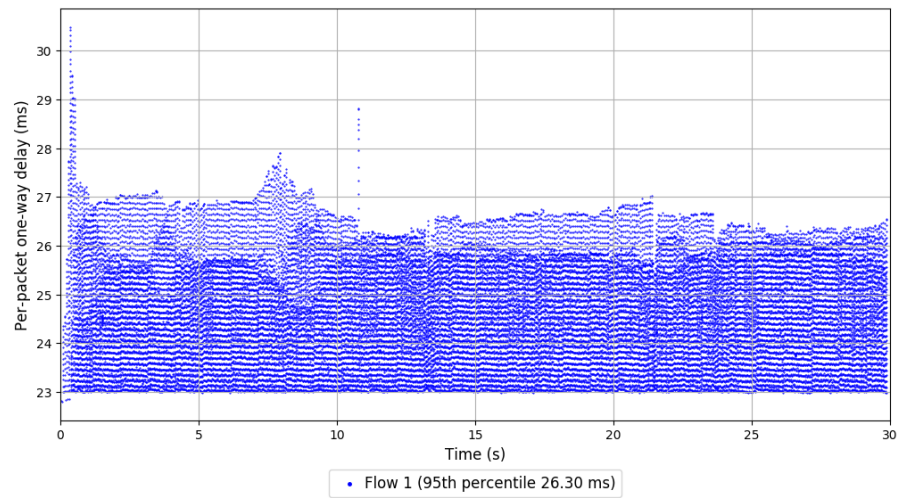
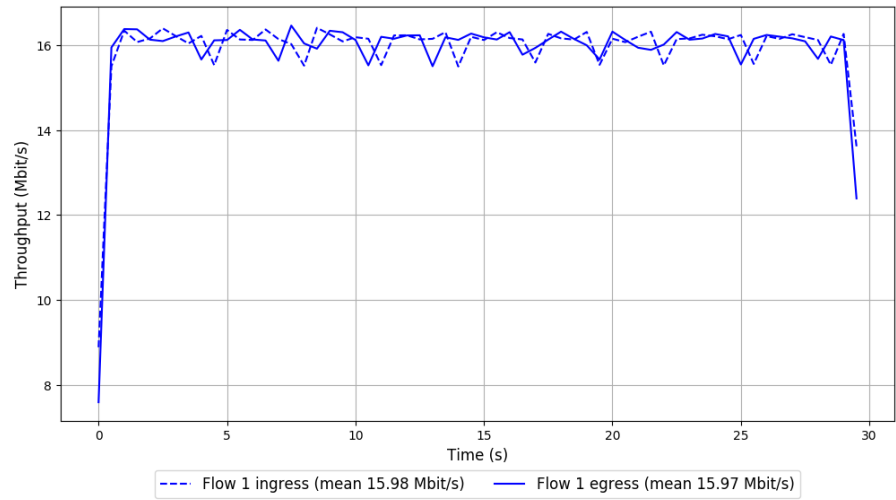
-- Flow 1:

Average throughput: 15.97 Mbit/s

95th percentile per-packet one-way delay: 26.302 ms

Loss rate: 0.20%

# Run 10: Report of Sprout — Data Link



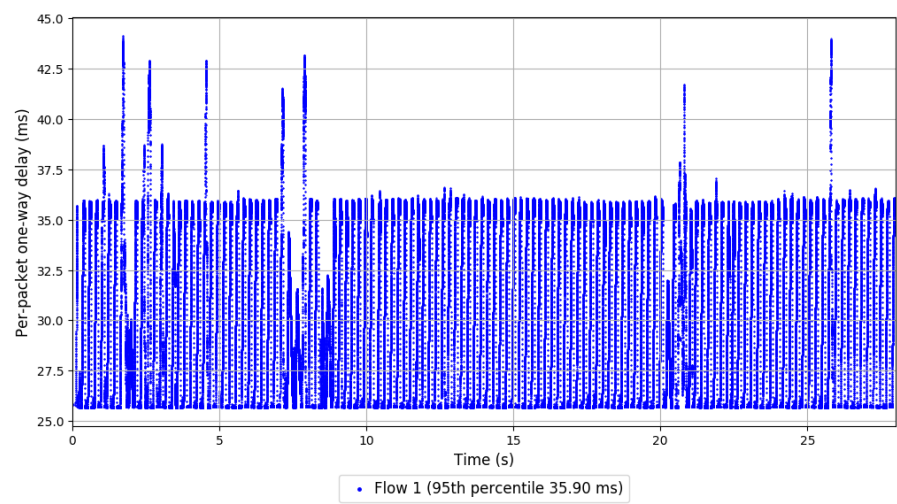
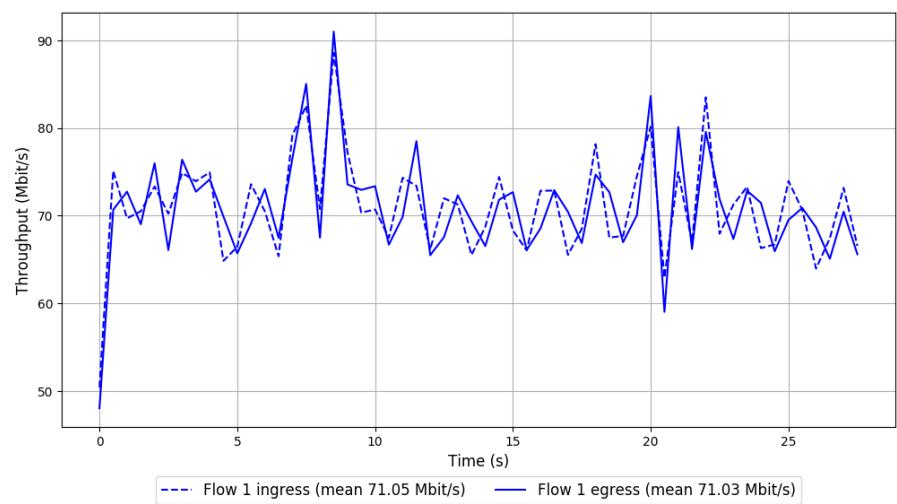
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-25 05:44:06
End at: 2018-01-25 05:44:36
Local clock offset: 1.273 ms
Remote clock offset: -2.368 ms

# Below is generated by plot.py at 2018-01-25 13:00:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.03 Mbit/s
95th percentile per-packet one-way delay: 35.898 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 71.03 Mbit/s
95th percentile per-packet one-way delay: 35.898 ms
Loss rate: 0.22%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-01-25 06:05:42

End at: 2018-01-25 06:06:12

Local clock offset: 1.373 ms

Remote clock offset: -1.984 ms

# Below is generated by plot.py at 2018-01-25 13:00:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.79 Mbit/s

95th percentile per-packet one-way delay: 35.759 ms

Loss rate: 0.75%

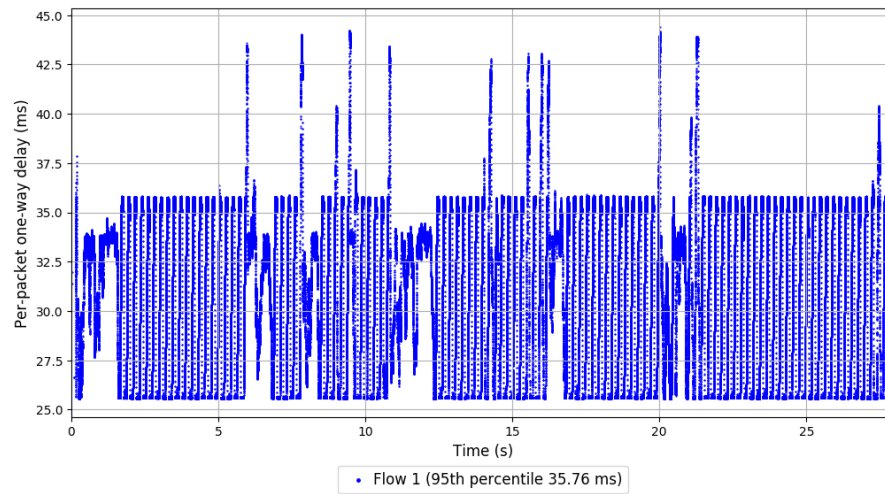
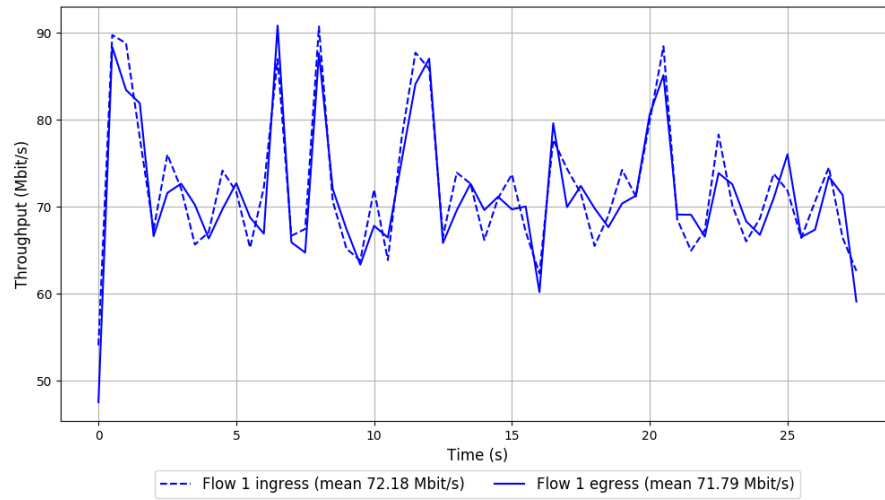
-- Flow 1:

Average throughput: 71.79 Mbit/s

95th percentile per-packet one-way delay: 35.759 ms

Loss rate: 0.75%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-25 06:27:23

End at: 2018-01-25 06:27:53

Local clock offset: 1.622 ms

Remote clock offset: 0.176 ms

# Below is generated by plot.py at 2018-01-25 13:00:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.15 Mbit/s

95th percentile per-packet one-way delay: 33.707 ms

Loss rate: 0.33%

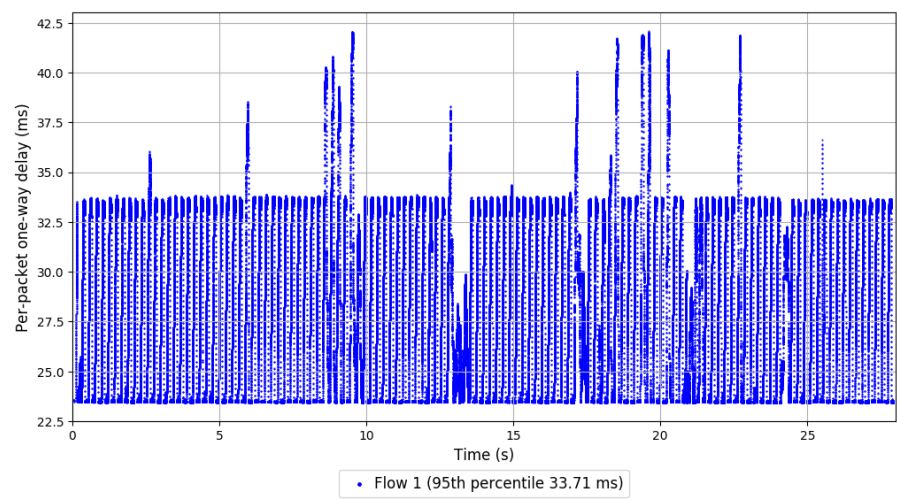
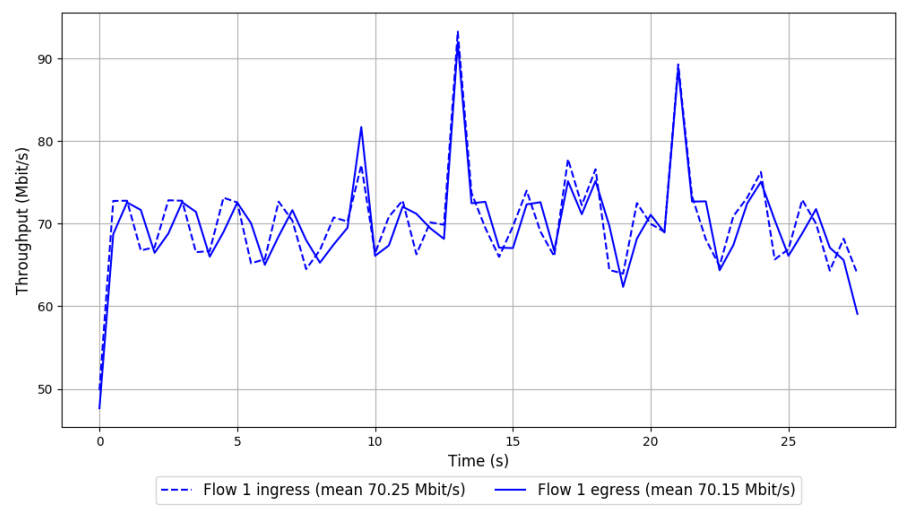
-- Flow 1:

Average throughput: 70.15 Mbit/s

95th percentile per-packet one-way delay: 33.707 ms

Loss rate: 0.33%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-25 06:48:37

End at: 2018-01-25 06:49:07

Local clock offset: 1.709 ms

Remote clock offset: 0.456 ms

# Below is generated by plot.py at 2018-01-25 13:00:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 37.577 ms

Loss rate: 0.33%

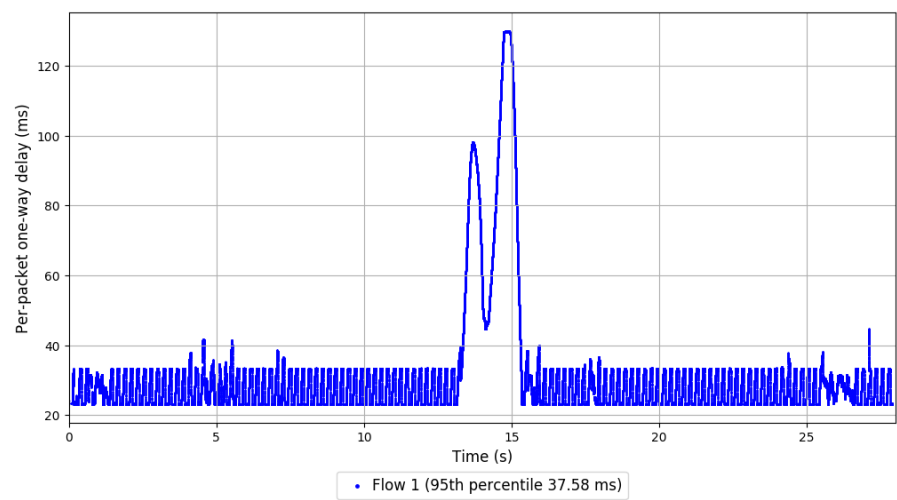
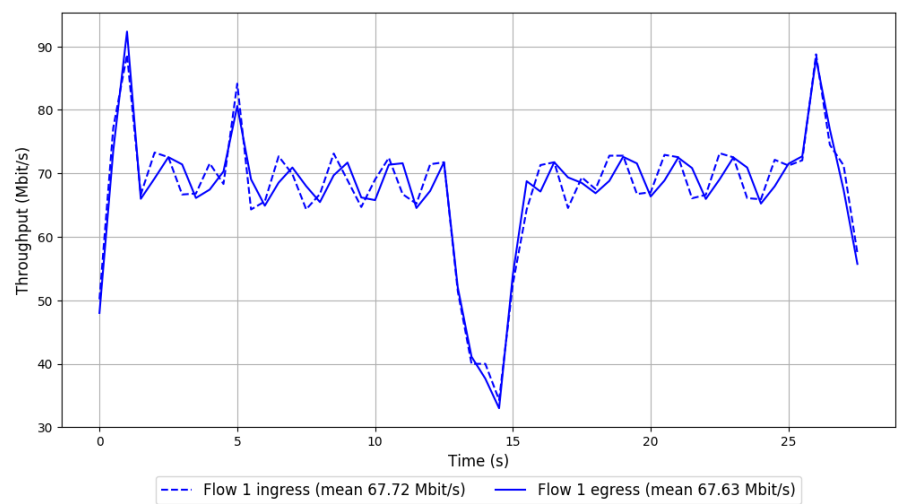
-- Flow 1:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 37.577 ms

Loss rate: 0.33%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-25 07:09:54

End at: 2018-01-25 07:10:24

Local clock offset: 1.75 ms

Remote clock offset: -1.961 ms

# Below is generated by plot.py at 2018-01-25 13:00:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 35.928 ms

Loss rate: 0.48%

-- Flow 1:

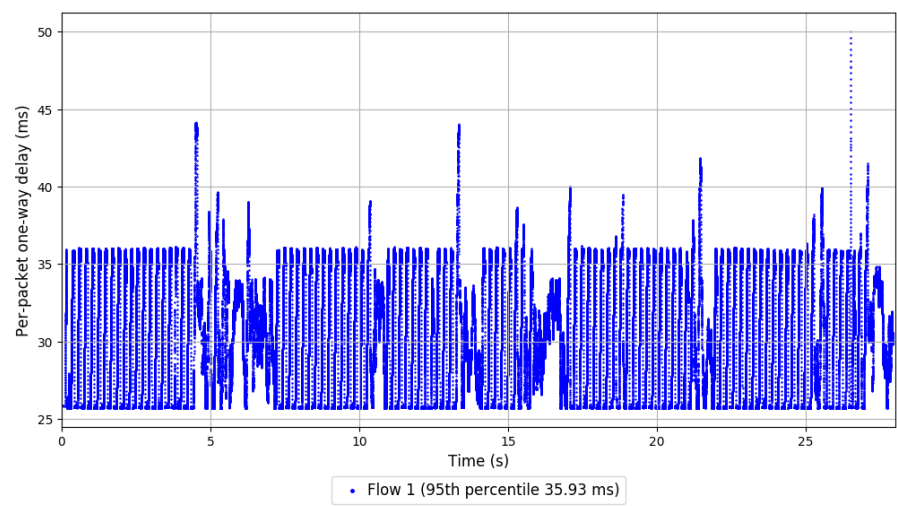
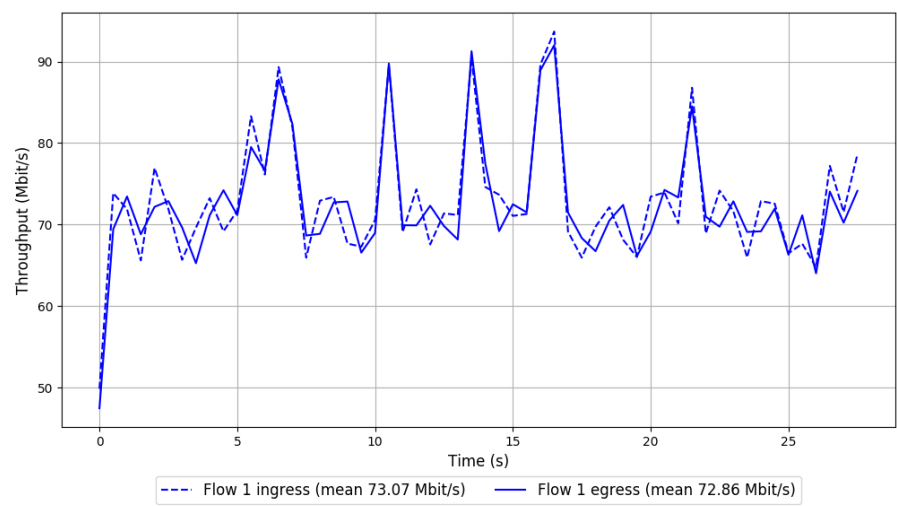
Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 35.928 ms

Loss rate: 0.48%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-25 07:31:20

End at: 2018-01-25 07:31:50

Local clock offset: 1.829 ms

Remote clock offset: 0.649 ms

# Below is generated by plot.py at 2018-01-25 13:00:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.48 Mbit/s

95th percentile per-packet one-way delay: 33.292 ms

Loss rate: 0.25%

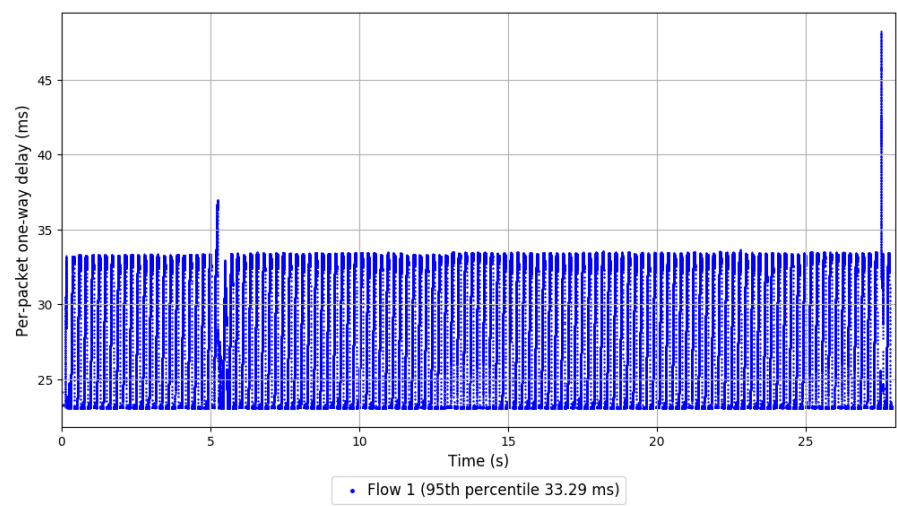
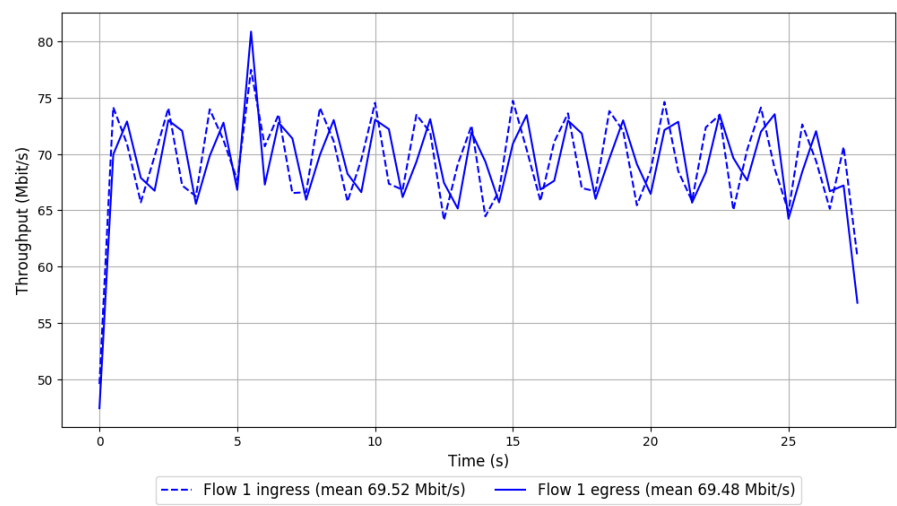
-- Flow 1:

Average throughput: 69.48 Mbit/s

95th percentile per-packet one-way delay: 33.292 ms

Loss rate: 0.25%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-25 07:52:37

End at: 2018-01-25 07:53:07

Local clock offset: 1.871 ms

Remote clock offset: 0.728 ms

# Below is generated by plot.py at 2018-01-25 13:00:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.43 Mbit/s

95th percentile per-packet one-way delay: 33.270 ms

Loss rate: 0.31%

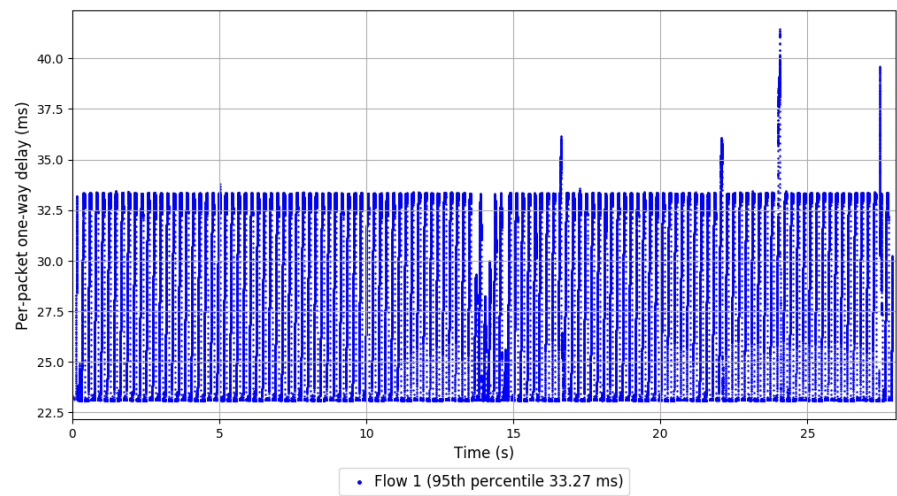
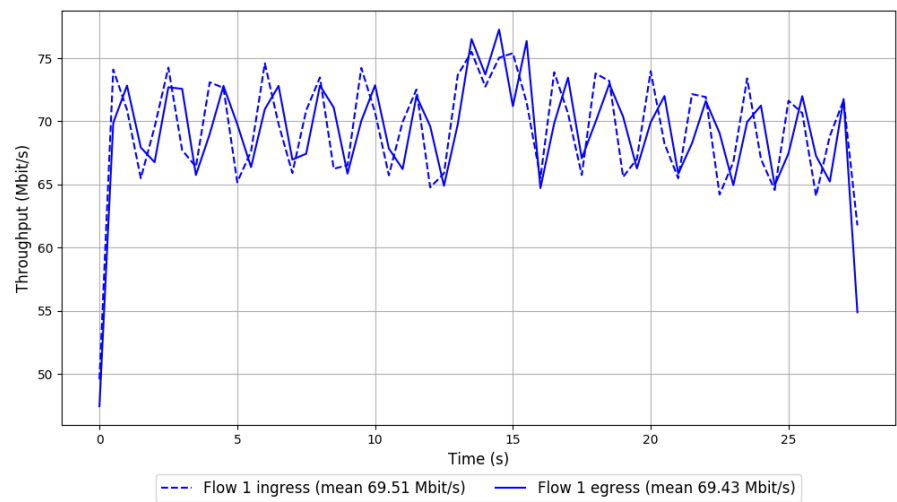
-- Flow 1:

Average throughput: 69.43 Mbit/s

95th percentile per-packet one-way delay: 33.270 ms

Loss rate: 0.31%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-25 08:14:00

End at: 2018-01-25 08:14:30

Local clock offset: 1.813 ms

Remote clock offset: 0.465 ms

# Below is generated by plot.py at 2018-01-25 13:00:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.05 Mbit/s

95th percentile per-packet one-way delay: 33.251 ms

Loss rate: 0.26%

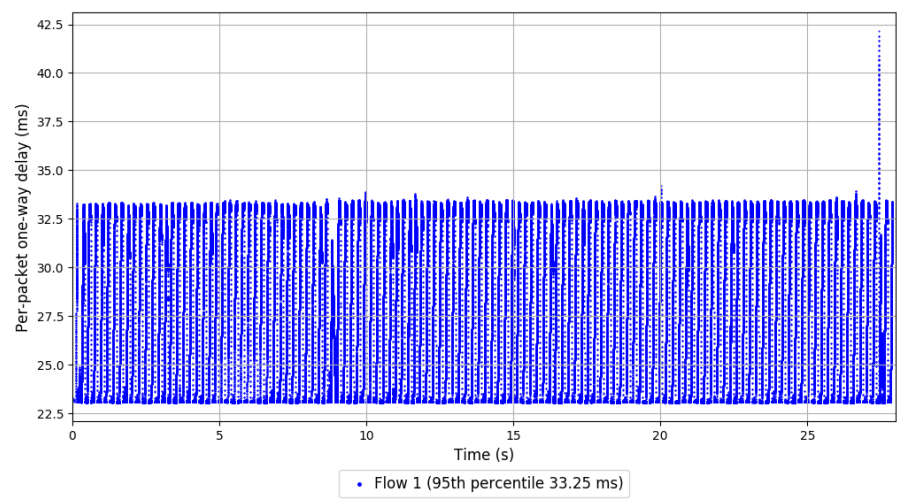
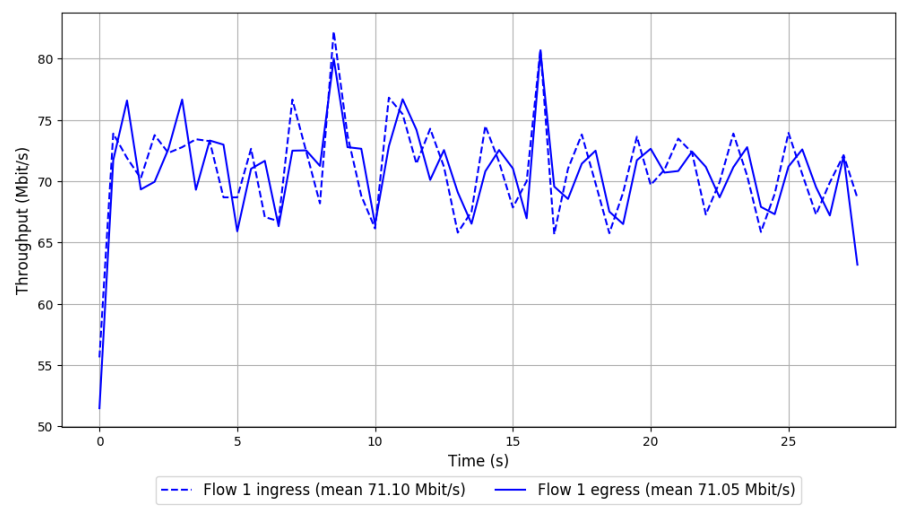
-- Flow 1:

Average throughput: 71.05 Mbit/s

95th percentile per-packet one-way delay: 33.251 ms

Loss rate: 0.26%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-25 08:35:17

End at: 2018-01-25 08:35:47

Local clock offset: 1.867 ms

Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2018-01-25 13:01:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 33.649 ms

Loss rate: 0.25%

-- Flow 1:

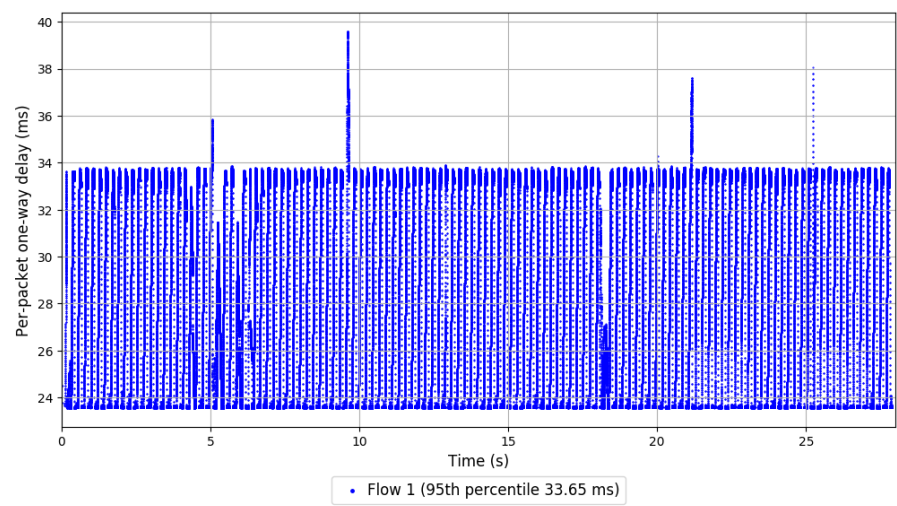
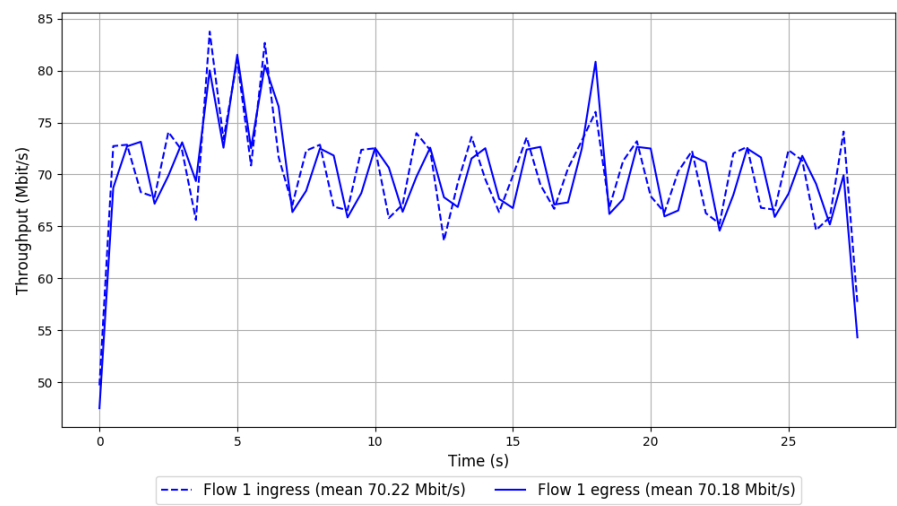
Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 33.649 ms

Loss rate: 0.25%



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

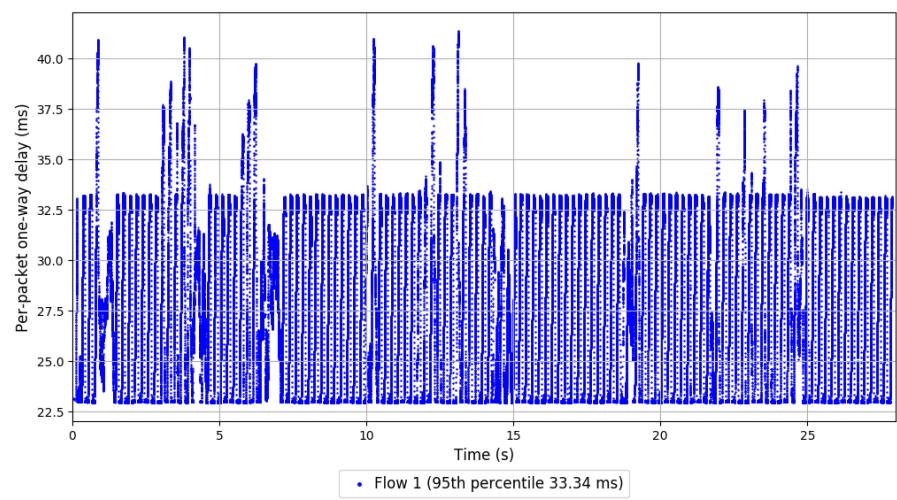
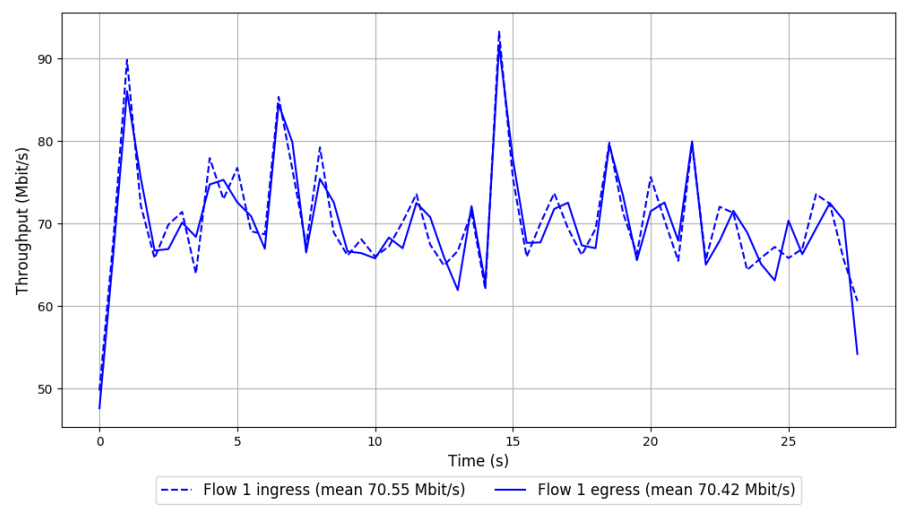


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-25 08:56:40
End at: 2018-01-25 08:57:10
Local clock offset: 1.808 ms
Remote clock offset: 0.492 ms

# Below is generated by plot.py at 2018-01-25 13:01:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.42 Mbit/s
95th percentile per-packet one-way delay: 33.345 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 70.42 Mbit/s
95th percentile per-packet one-way delay: 33.345 ms
Loss rate: 0.38%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-25 06:01:34

End at: 2018-01-25 06:02:04

Local clock offset: 1.369 ms

Remote clock offset: 0.105 ms

# Below is generated by plot.py at 2018-01-25 13:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 35.326 ms

Loss rate: 0.36%

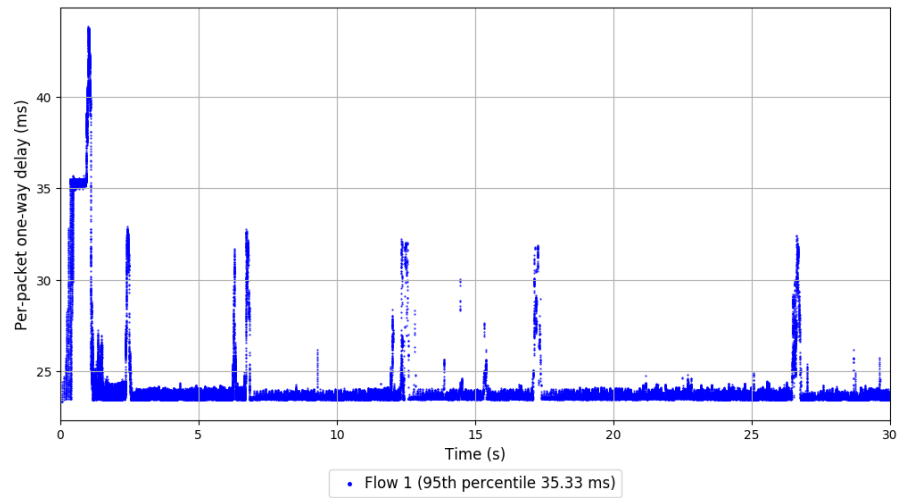
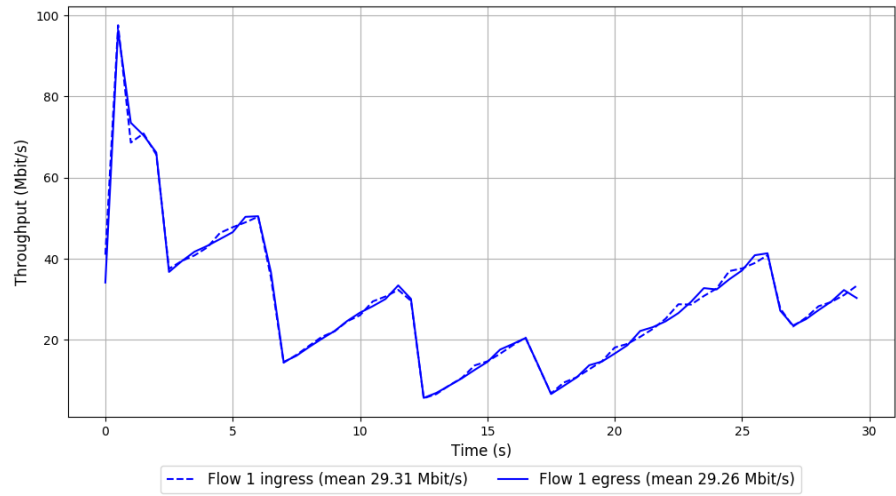
-- Flow 1:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 35.326 ms

Loss rate: 0.36%

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



Run 2: Statistics of TCP Vegas

Start at: 2018-01-25 06:23:25

End at: 2018-01-25 06:23:55

Local clock offset: 1.591 ms

Remote clock offset: 0.161 ms

# Below is generated by plot.py at 2018-01-25 13:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.73 Mbit/s

95th percentile per-packet one-way delay: 31.787 ms

Loss rate: 0.24%

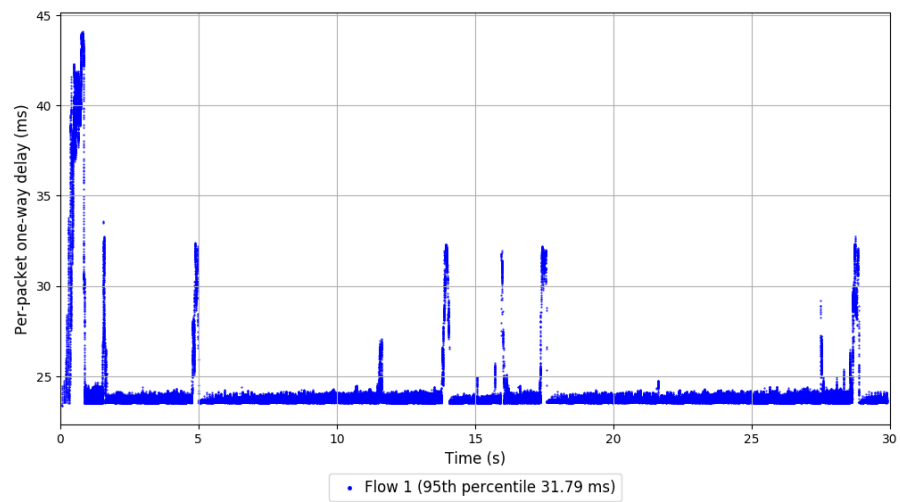
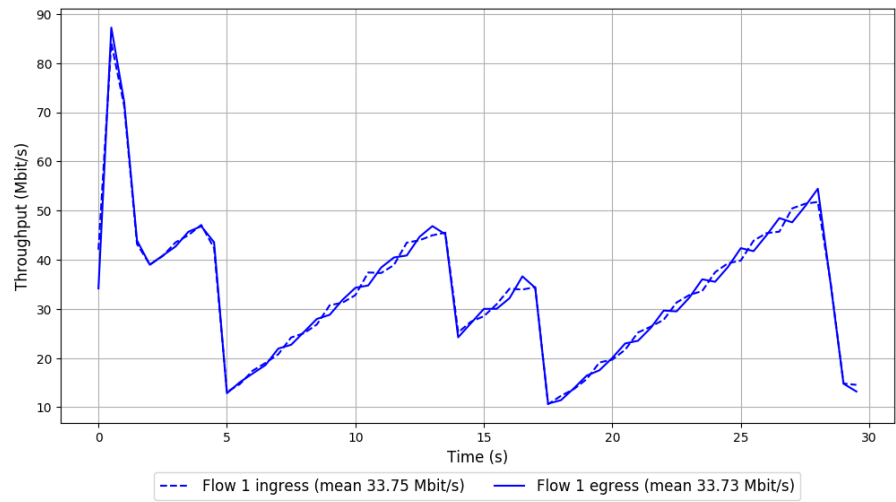
-- Flow 1:

Average throughput: 33.73 Mbit/s

95th percentile per-packet one-way delay: 31.787 ms

Loss rate: 0.24%

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



Run 3: Statistics of TCP Vegas

Start at: 2018-01-25 06:44:37

End at: 2018-01-25 06:45:07

Local clock offset: 1.598 ms

Remote clock offset: 0.351 ms

# Below is generated by plot.py at 2018-01-25 13:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.18 Mbit/s

95th percentile per-packet one-way delay: 28.744 ms

Loss rate: 0.21%

-- Flow 1:

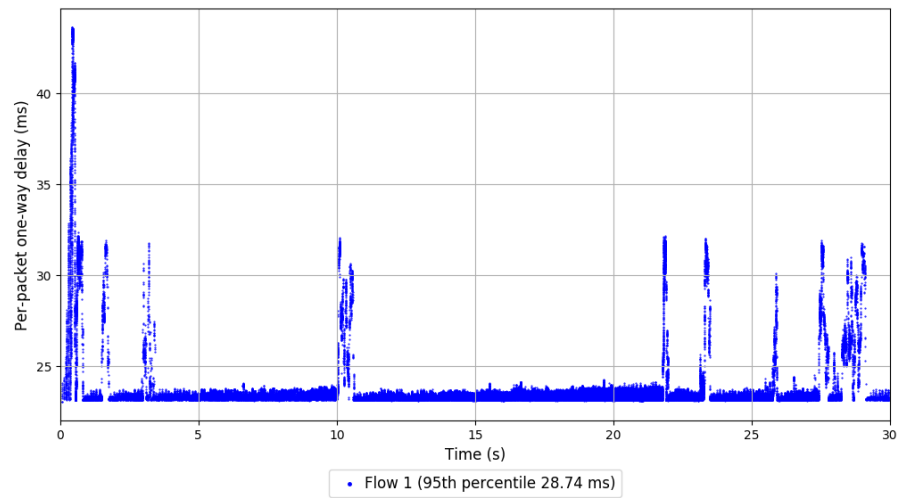
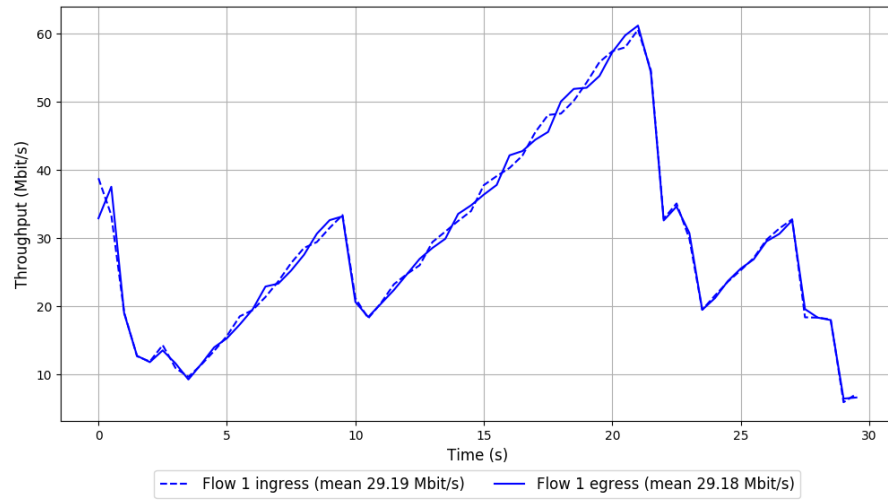
Average throughput: 29.18 Mbit/s

95th percentile per-packet one-way delay: 28.744 ms

Loss rate: 0.21%



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

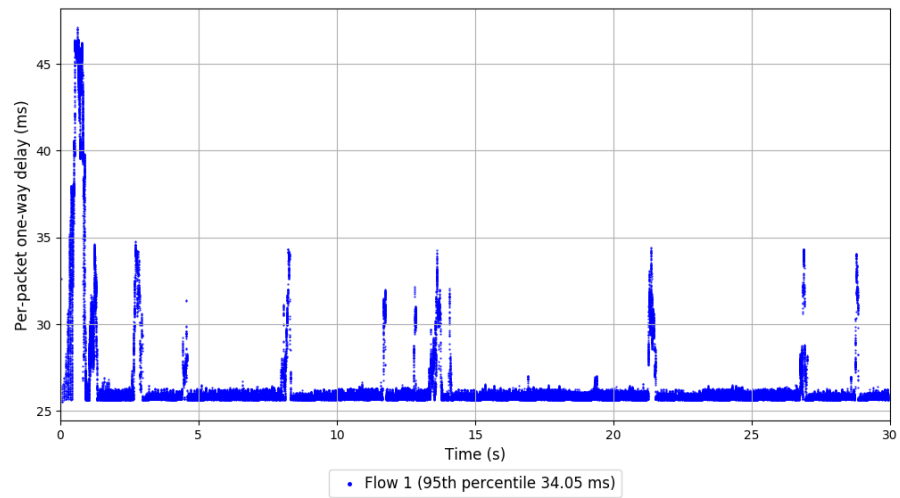
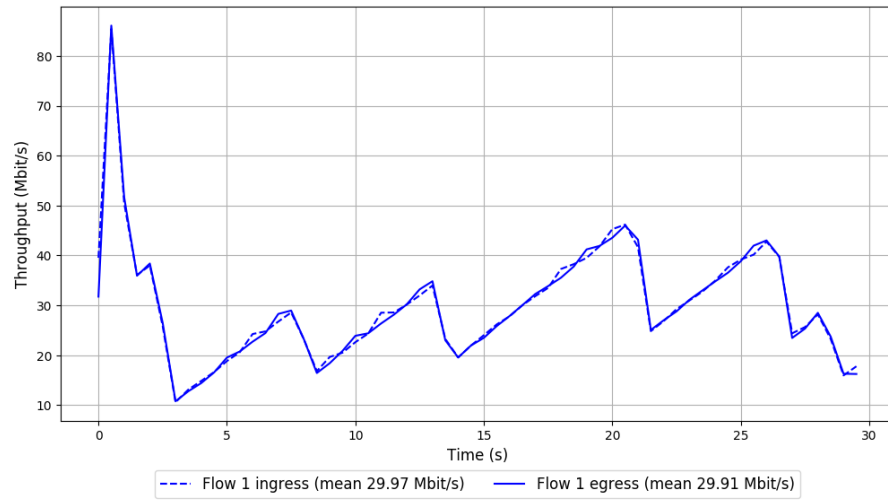


Run 4: Statistics of TCP Vegas

Start at: 2018-01-25 07:05:56  
End at: 2018-01-25 07:06:26  
Local clock offset: 1.683 ms  
Remote clock offset: -2.046 ms

# Below is generated by plot.py at 2018-01-25 13:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.91 Mbit/s  
95th percentile per-packet one-way delay: 34.054 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 29.91 Mbit/s  
95th percentile per-packet one-way delay: 34.054 ms  
Loss rate: 0.39%

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

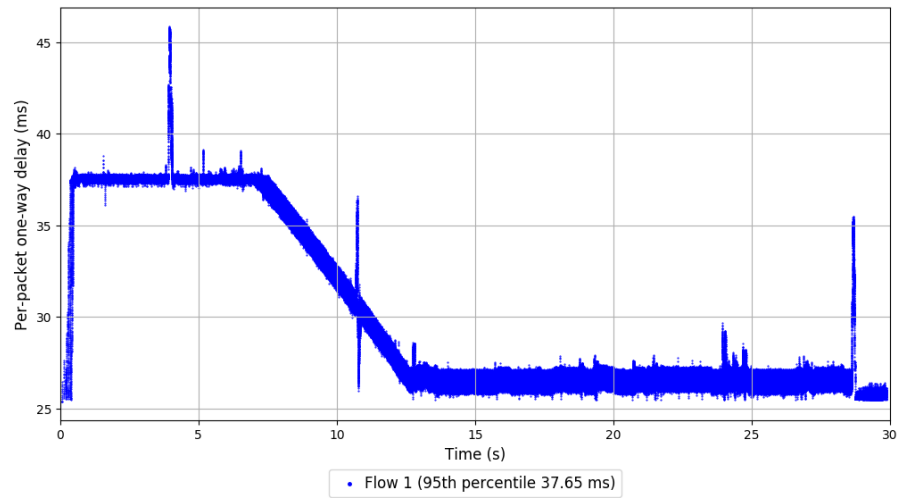
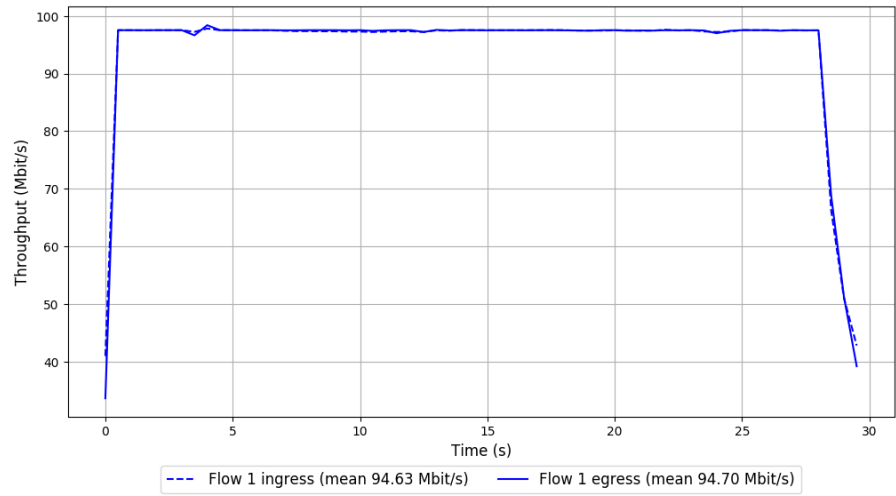


Run 5: Statistics of TCP Vegas

Start at: 2018-01-25 07:27:17  
End at: 2018-01-25 07:27:47  
Local clock offset: 1.71 ms  
Remote clock offset: -1.862 ms

# Below is generated by plot.py at 2018-01-25 13:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.70 Mbit/s  
95th percentile per-packet one-way delay: 37.650 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 94.70 Mbit/s  
95th percentile per-packet one-way delay: 37.650 ms  
Loss rate: 0.11%

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



Run 6: Statistics of TCP Vegas

Start at: 2018-01-25 07:48:39

End at: 2018-01-25 07:49:09

Local clock offset: 1.798 ms

Remote clock offset: 0.333 ms

# Below is generated by plot.py at 2018-01-25 13:01:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.15 Mbit/s

95th percentile per-packet one-way delay: 35.441 ms

Loss rate: 0.47%

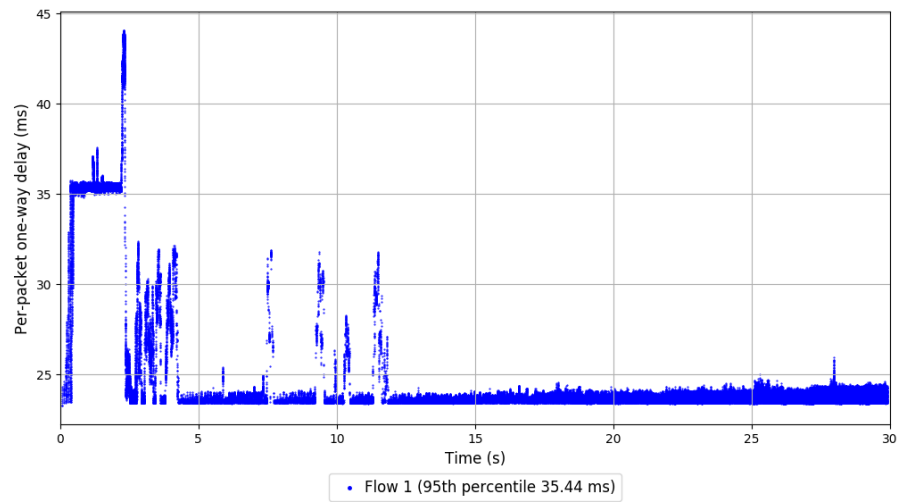
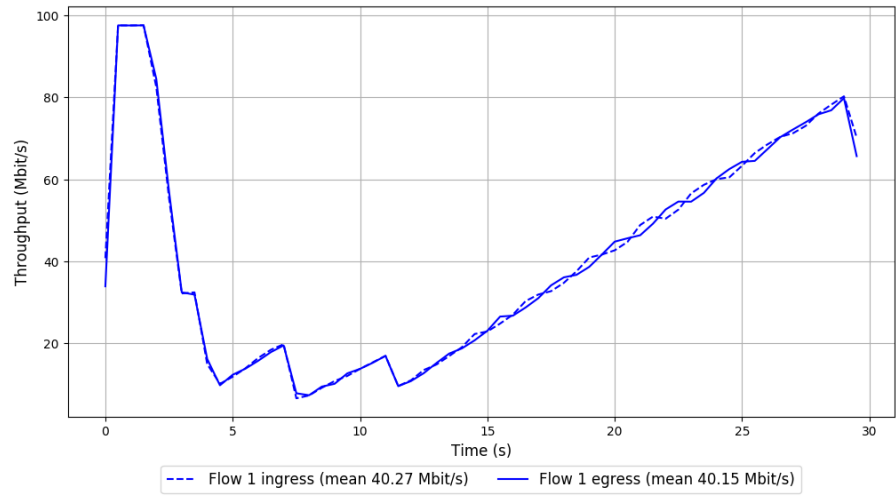
-- Flow 1:

Average throughput: 40.15 Mbit/s

95th percentile per-packet one-way delay: 35.441 ms

Loss rate: 0.47%

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



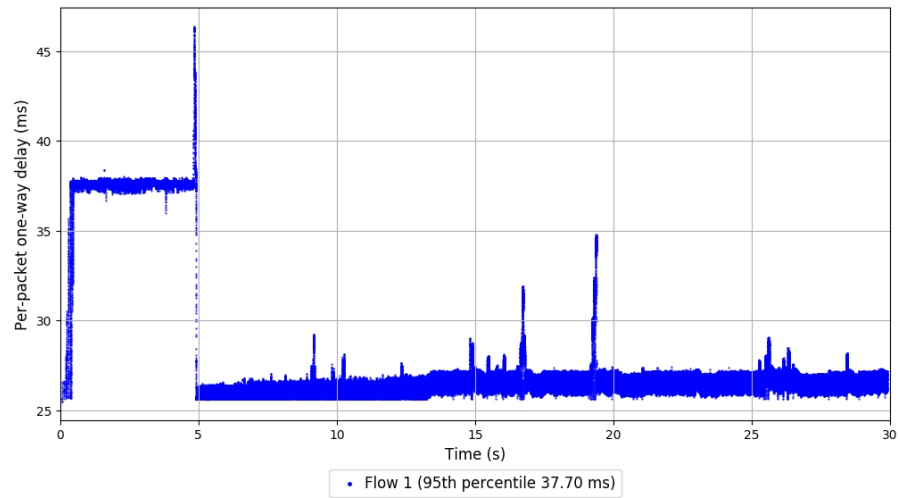
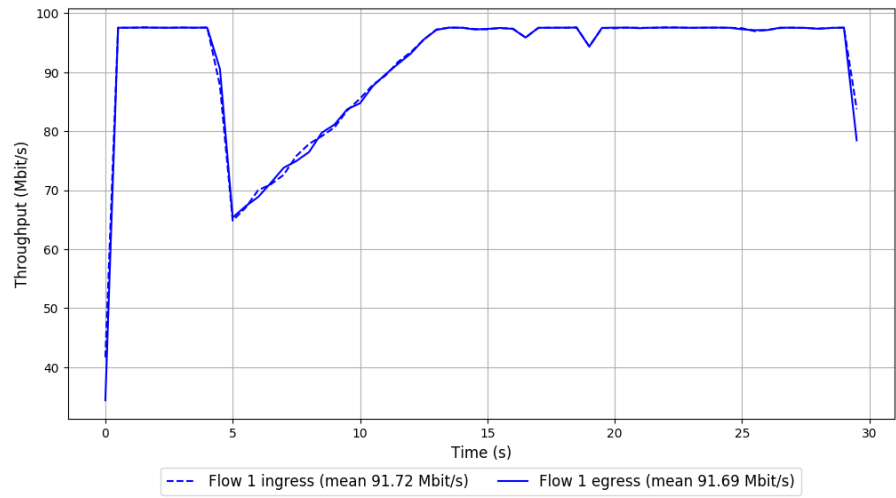
Run 7: Statistics of TCP Vegas

Start at: 2018-01-25 08:09:58  
End at: 2018-01-25 08:10:28  
Local clock offset: 1.908 ms  
Remote clock offset: -1.925 ms

# Below is generated by plot.py at 2018-01-25 13:01:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.69 Mbit/s  
95th percentile per-packet one-way delay: 37.701 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 91.69 Mbit/s  
95th percentile per-packet one-way delay: 37.701 ms  
Loss rate: 0.20%



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

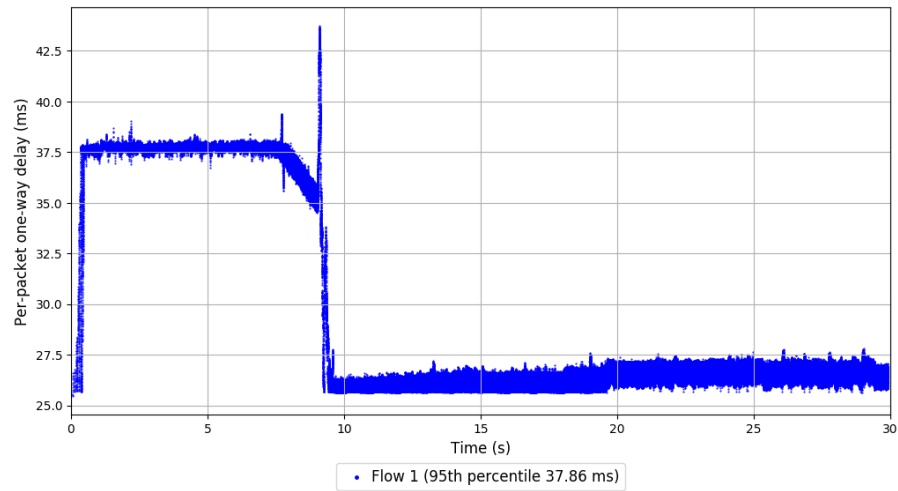
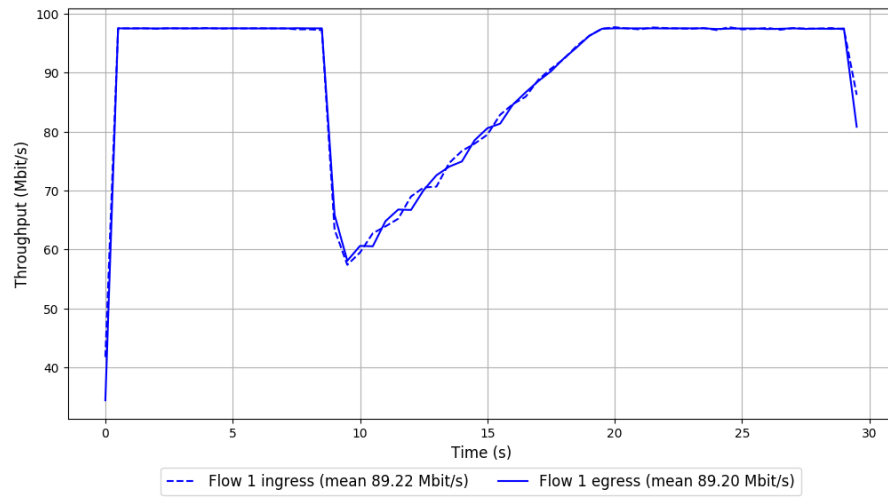


Run 8: Statistics of TCP Vegas

Start at: 2018-01-25 08:31:16  
End at: 2018-01-25 08:31:46  
Local clock offset: 1.847 ms  
Remote clock offset: -2.051 ms

# Below is generated by plot.py at 2018-01-25 13:01:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.20 Mbit/s  
95th percentile per-packet one-way delay: 37.859 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 89.20 Mbit/s  
95th percentile per-packet one-way delay: 37.859 ms  
Loss rate: 0.20%

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



Run 9: Statistics of TCP Vegas

Start at: 2018-01-25 08:52:39

End at: 2018-01-25 08:53:09

Local clock offset: 1.788 ms

Remote clock offset: 0.412 ms

# Below is generated by plot.py at 2018-01-25 13:02:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 35.258 ms

Loss rate: 0.07%

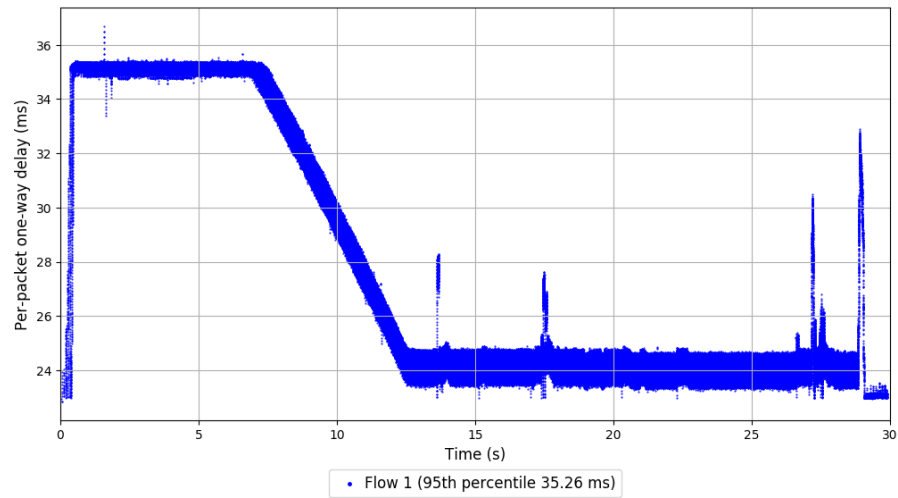
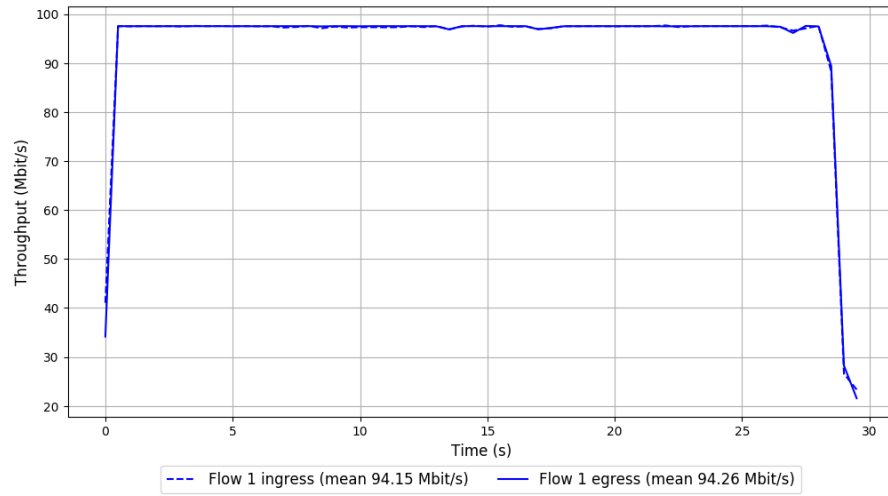
-- Flow 1:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 35.258 ms

Loss rate: 0.07%

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



Run 10: Statistics of TCP Vegas

Start at: 2018-01-25 09:14:02

End at: 2018-01-25 09:14:32

Local clock offset: 1.837 ms

Remote clock offset: -2.193 ms

# Below is generated by plot.py at 2018-01-25 13:02:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 38.029 ms

Loss rate: 0.11%

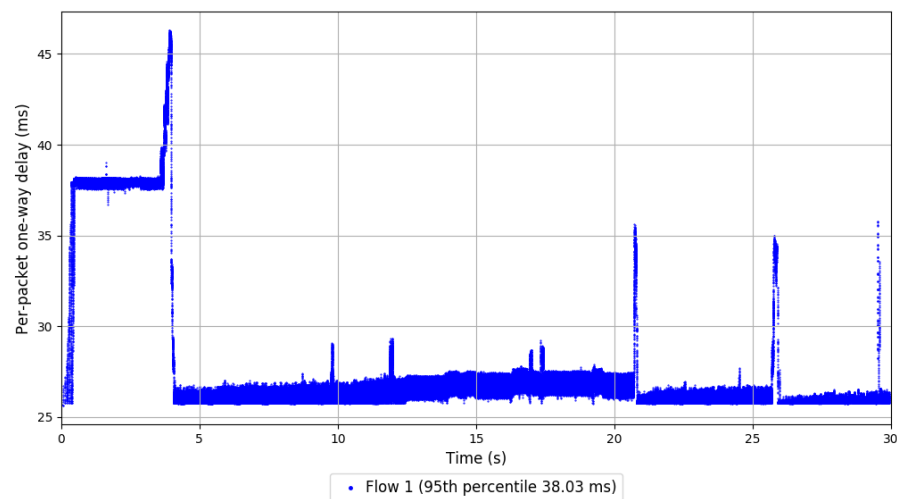
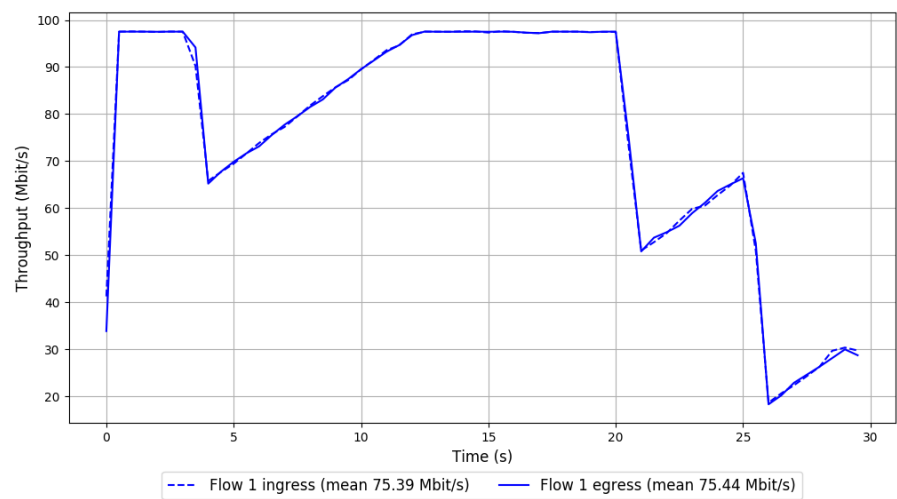
-- Flow 1:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 38.029 ms

Loss rate: 0.11%

Run 10: Report of TCP Vegas — Data Link



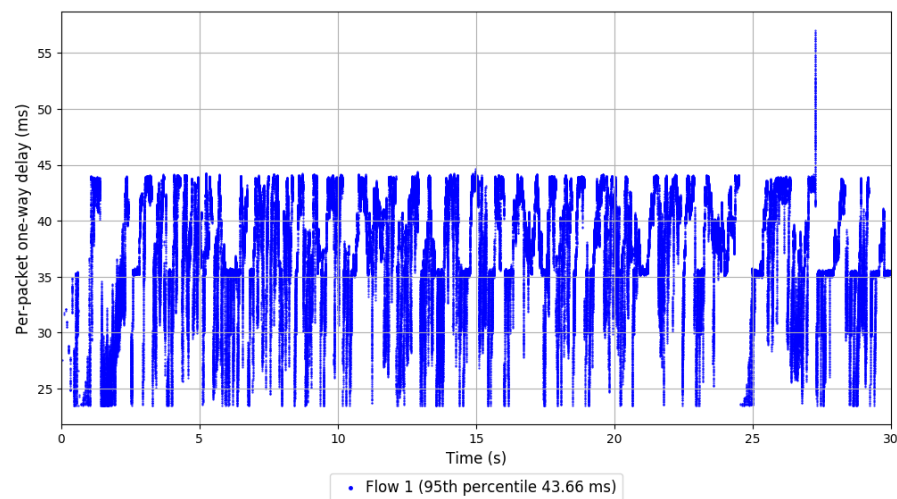
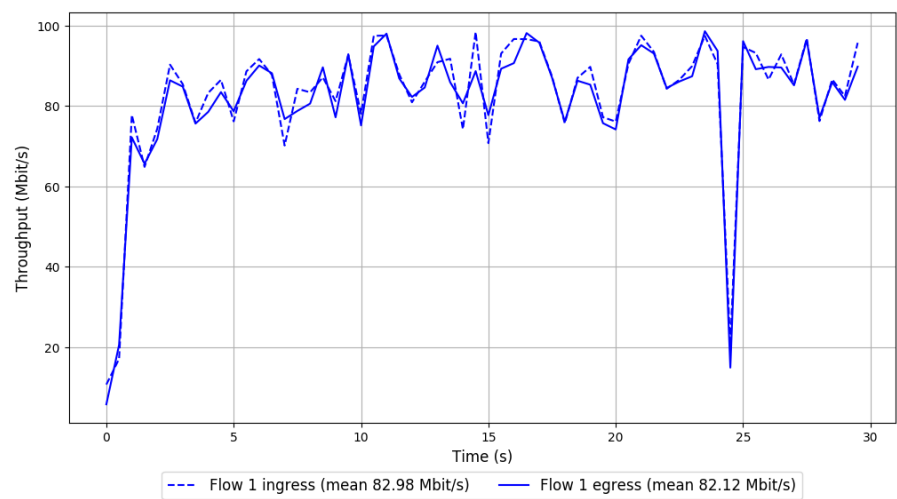
```
Run 1: Statistics of Verus

Start at: 2018-01-25 05:58:47
End at: 2018-01-25 05:59:17
Local clock offset: 1.356 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-01-25 13:02:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 43.662 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 43.662 ms
Loss rate: 1.25%
```



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-25 06:20:36

End at: 2018-01-25 06:21:07

Local clock offset: 1.559 ms

Remote clock offset: 0.522 ms

# Below is generated by plot.py at 2018-01-25 13:02:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.69 Mbit/s

95th percentile per-packet one-way delay: 43.141 ms

Loss rate: 0.69%

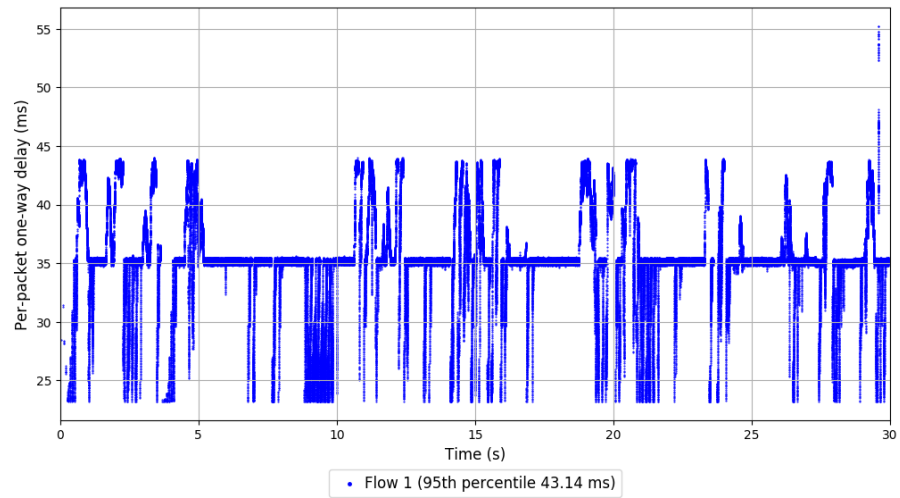
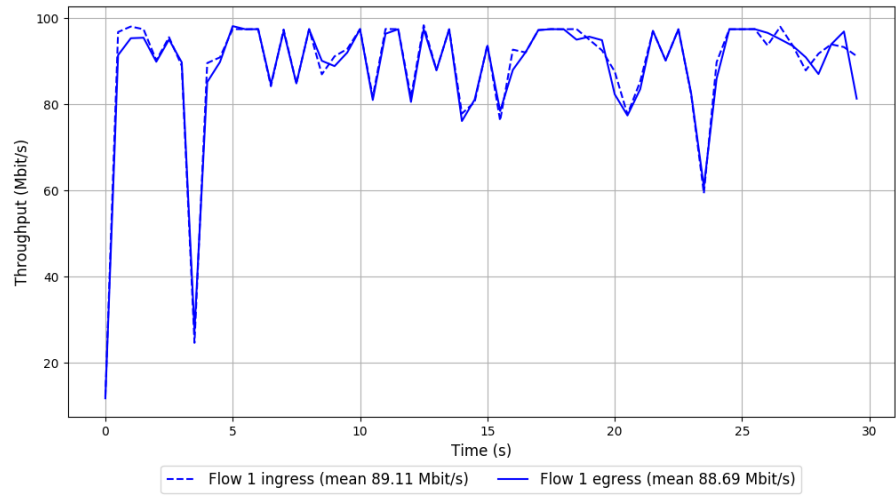
-- Flow 1:

Average throughput: 88.69 Mbit/s

95th percentile per-packet one-way delay: 43.141 ms

Loss rate: 0.69%

## Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-25 06:41:54

End at: 2018-01-25 06:42:24

Local clock offset: 1.643 ms

Remote clock offset: 0.381 ms

# Below is generated by plot.py at 2018-01-25 13:03:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.31 Mbit/s

95th percentile per-packet one-way delay: 41.851 ms

Loss rate: 0.46%

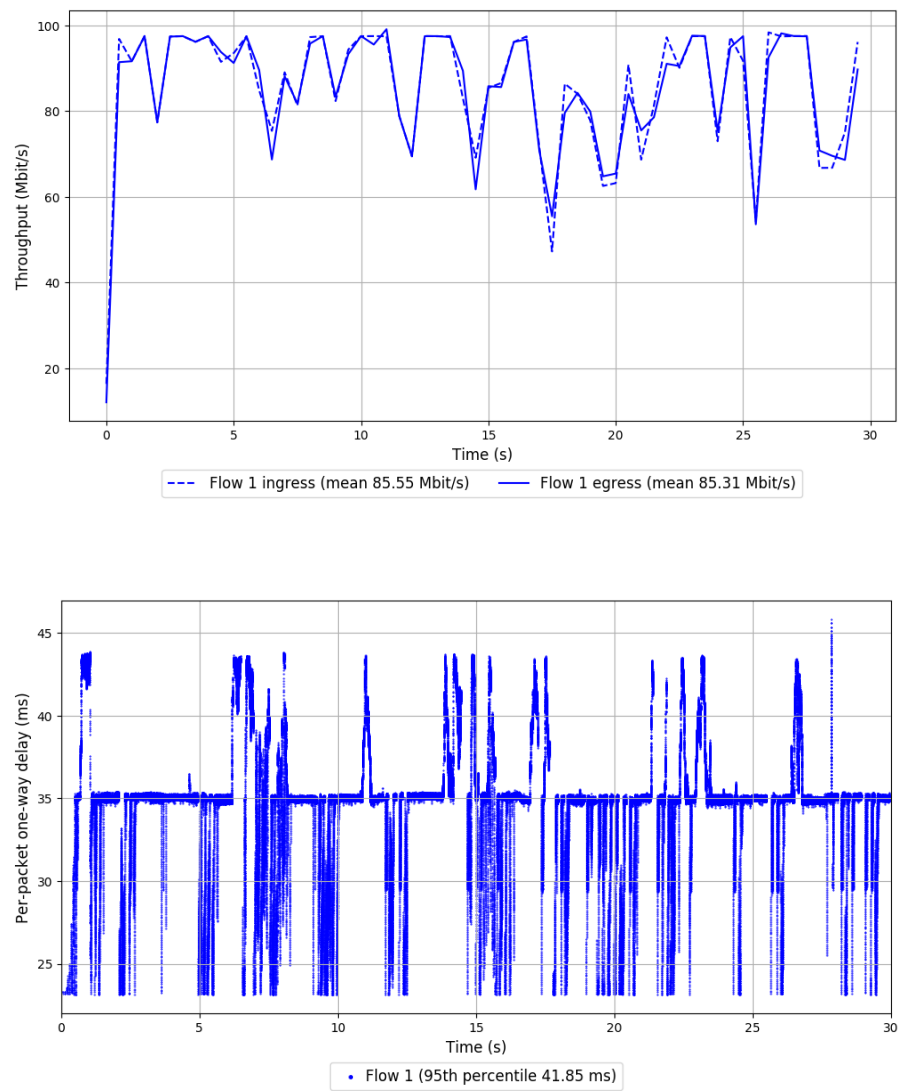
-- Flow 1:

Average throughput: 85.31 Mbit/s

95th percentile per-packet one-way delay: 41.851 ms

Loss rate: 0.46%

Run 3: Report of Verus — Data Link

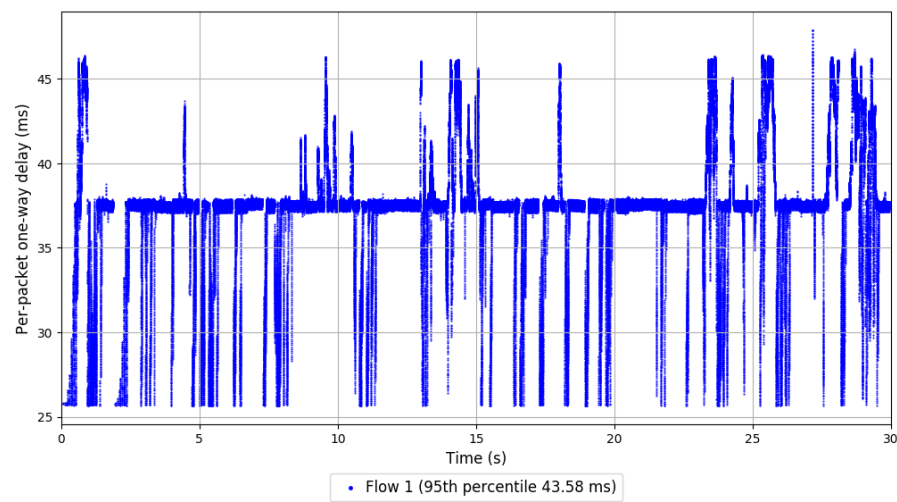
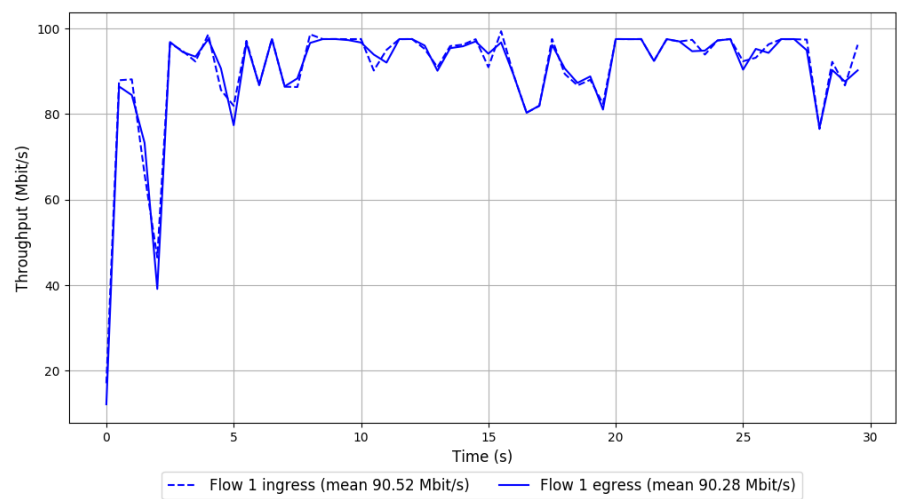


Run 4: Statistics of Verus

Start at: 2018-01-25 07:03:11  
End at: 2018-01-25 07:03:41  
Local clock offset: 1.74 ms  
Remote clock offset: -2.076 ms

# Below is generated by plot.py at 2018-01-25 13:03:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.28 Mbit/s  
95th percentile per-packet one-way delay: 43.580 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 90.28 Mbit/s  
95th percentile per-packet one-way delay: 43.580 ms  
Loss rate: 0.44%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-25 07:24:34

End at: 2018-01-25 07:25:04

Local clock offset: 1.806 ms

Remote clock offset: 0.565 ms

# Below is generated by plot.py at 2018-01-25 13:03:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.27 Mbit/s

95th percentile per-packet one-way delay: 35.209 ms

Loss rate: 0.28%

-- Flow 1:

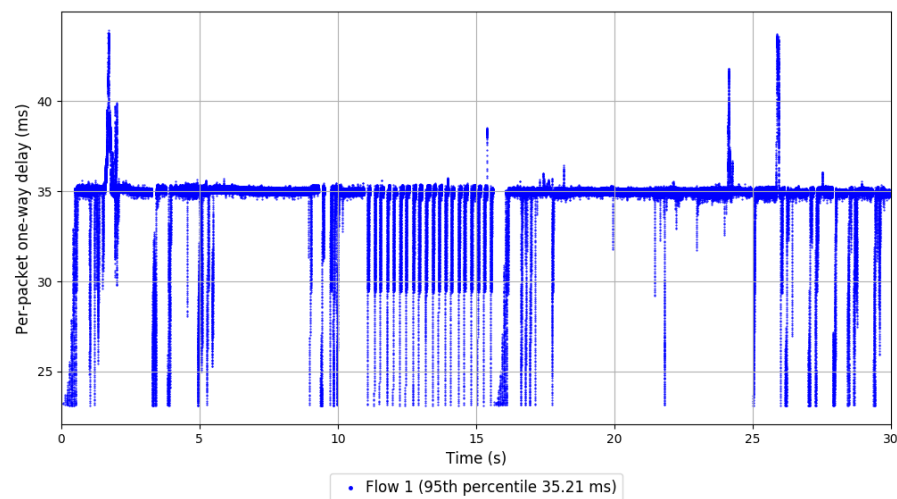
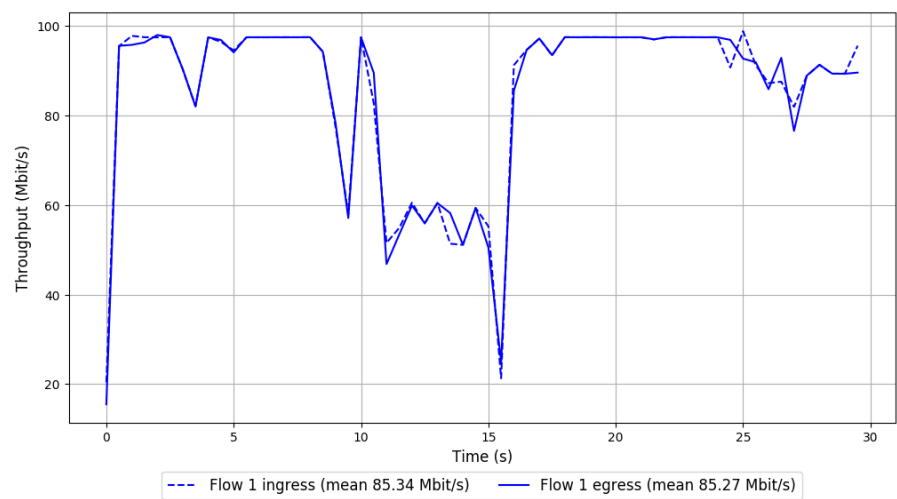
Average throughput: 85.27 Mbit/s

95th percentile per-packet one-way delay: 35.209 ms

Loss rate: 0.28%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-25 07:45:57

End at: 2018-01-25 07:46:27

Local clock offset: 1.878 ms

Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2018-01-25 13:03:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.93 Mbit/s

95th percentile per-packet one-way delay: 42.573 ms

Loss rate: 0.41%

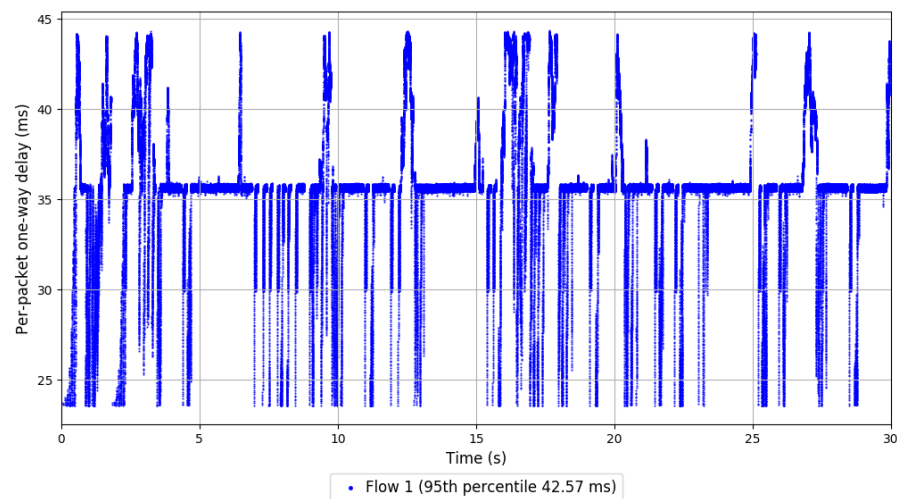
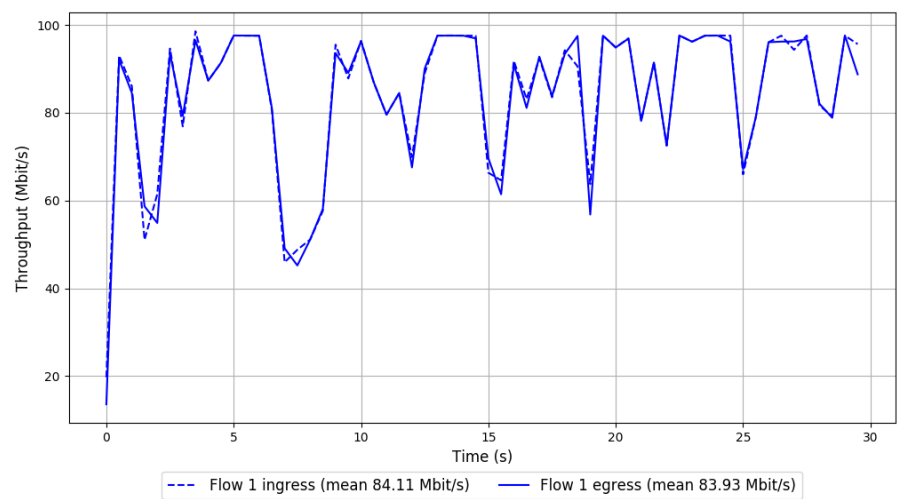
-- Flow 1:

Average throughput: 83.93 Mbit/s

95th percentile per-packet one-way delay: 42.573 ms

Loss rate: 0.41%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-25 08:07:15

End at: 2018-01-25 08:07:45

Local clock offset: 1.931 ms

Remote clock offset: 0.579 ms

# Below is generated by plot.py at 2018-01-25 13:03:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.11 Mbit/s

95th percentile per-packet one-way delay: 35.273 ms

Loss rate: 0.24%

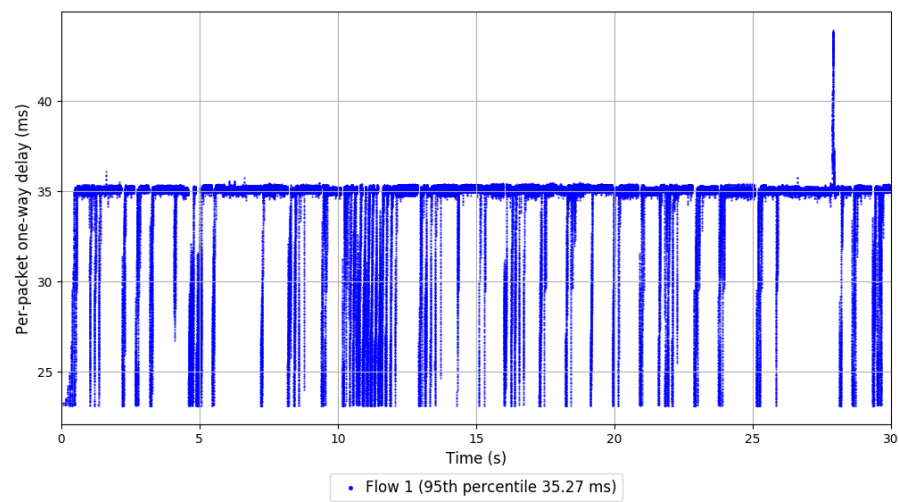
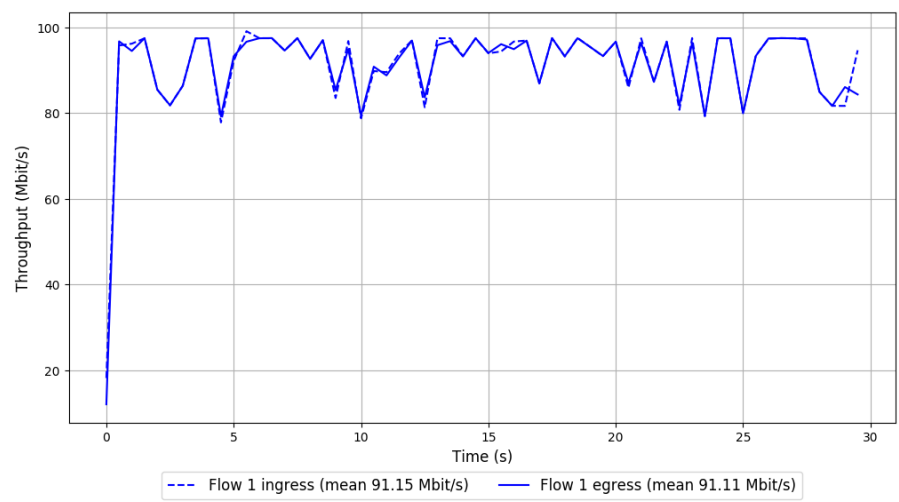
-- Flow 1:

Average throughput: 91.11 Mbit/s

95th percentile per-packet one-way delay: 35.273 ms

Loss rate: 0.24%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-25 08:28:33

End at: 2018-01-25 08:29:03

Local clock offset: 1.933 ms

Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-01-25 13:03:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 35.636 ms

Loss rate: 0.21%

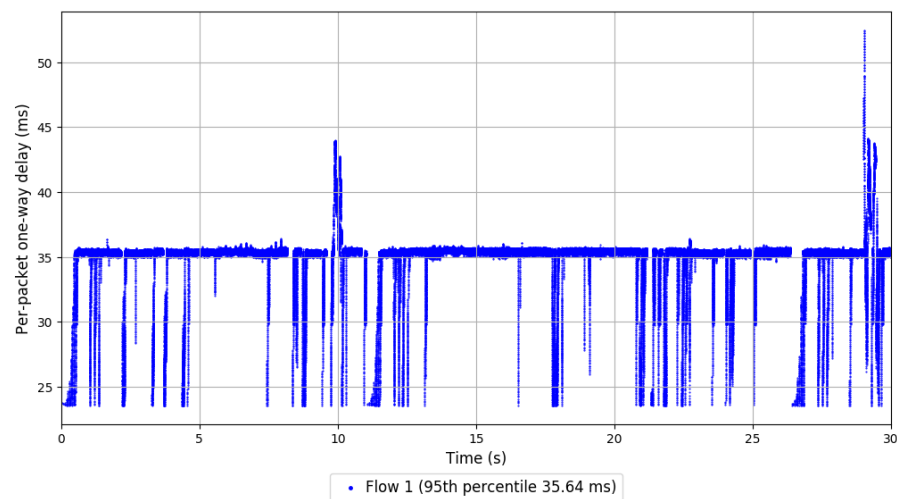
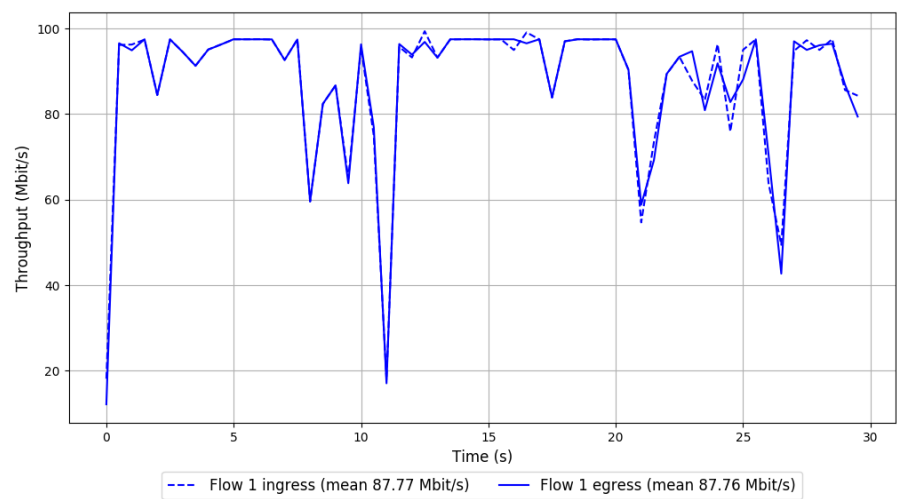
-- Flow 1:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 35.636 ms

Loss rate: 0.21%

Run 8: Report of Verus — Data Link



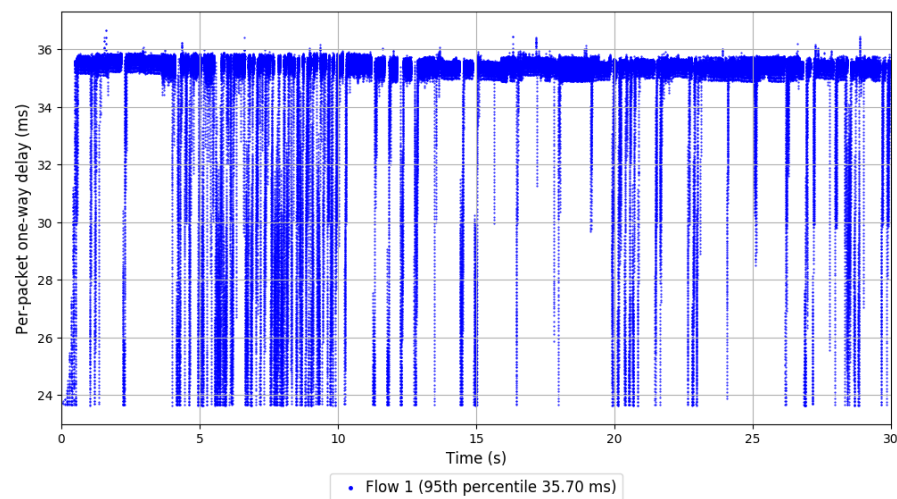
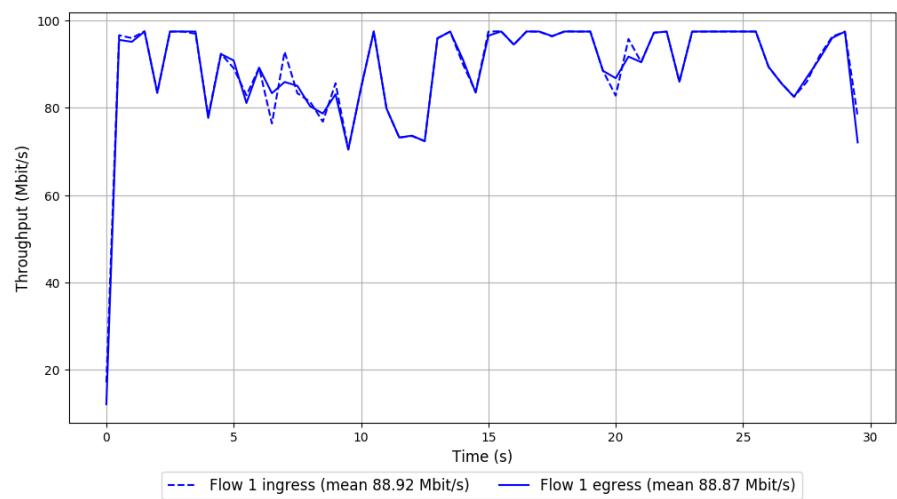
Run 9: Statistics of Verus

Start at: 2018-01-25 08:49:55  
End at: 2018-01-25 08:50:25  
Local clock offset: 1.897 ms  
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-01-25 13:03:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.87 Mbit/s  
95th percentile per-packet one-way delay: 35.697 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 88.87 Mbit/s  
95th percentile per-packet one-way delay: 35.697 ms  
Loss rate: 0.24%



Run 9: Report of Verus — Data Link

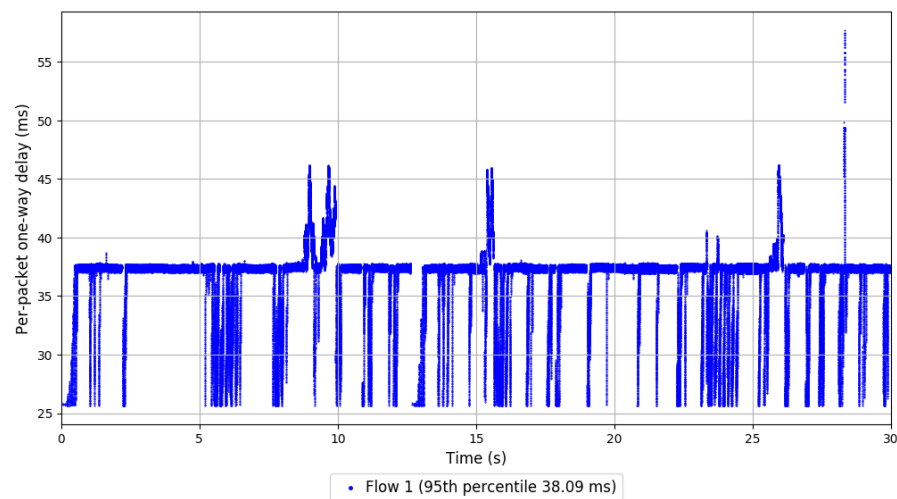
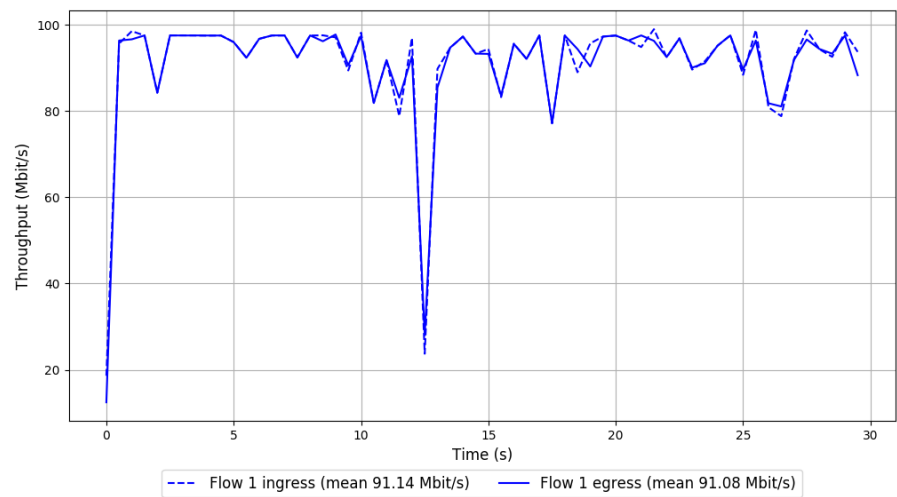


Run 10: Statistics of Verus

Start at: 2018-01-25 09:11:19  
End at: 2018-01-25 09:11:49  
Local clock offset: 1.847 ms  
Remote clock offset: -2.049 ms

# Below is generated by plot.py at 2018-01-25 13:04:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.08 Mbit/s  
95th percentile per-packet one-way delay: 38.089 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 91.08 Mbit/s  
95th percentile per-packet one-way delay: 38.089 ms  
Loss rate: 0.26%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-25 05:57:21

End at: 2018-01-25 05:57:51

Local clock offset: 1.43 ms

Remote clock offset: 0.489 ms

# Below is generated by plot.py at 2018-01-25 13:05:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 32.101 ms

Loss rate: 0.38%

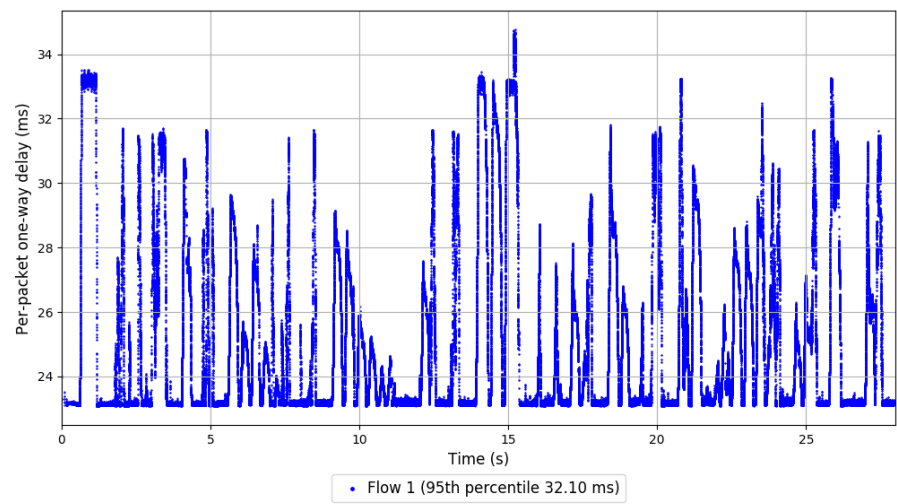
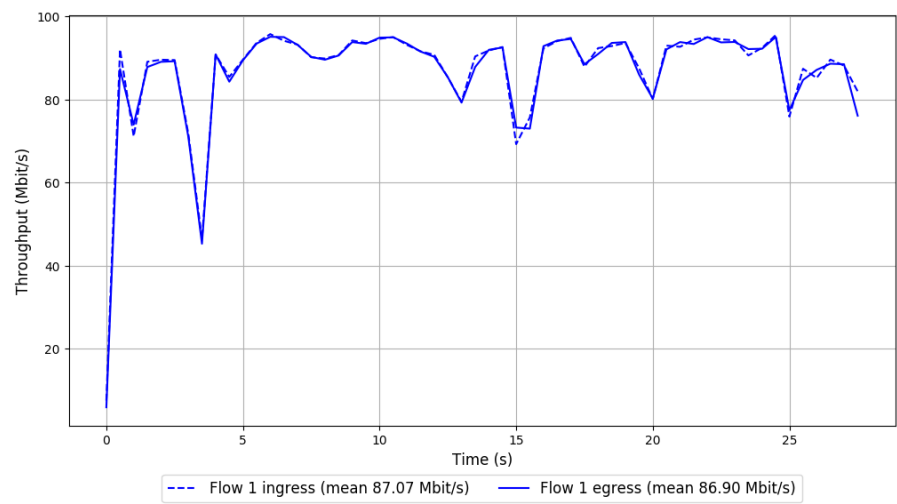
-- Flow 1:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 32.101 ms

Loss rate: 0.38%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-25 06:19:12

End at: 2018-01-25 06:19:42

Local clock offset: 1.569 ms

Remote clock offset: 0.167 ms

# Below is generated by plot.py at 2018-01-25 13:05:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.76 Mbit/s

95th percentile per-packet one-way delay: 31.197 ms

Loss rate: 0.54%

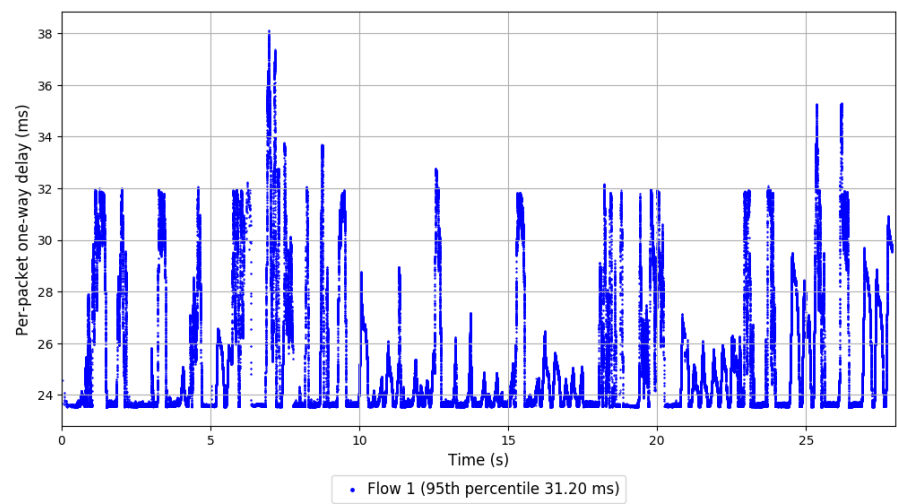
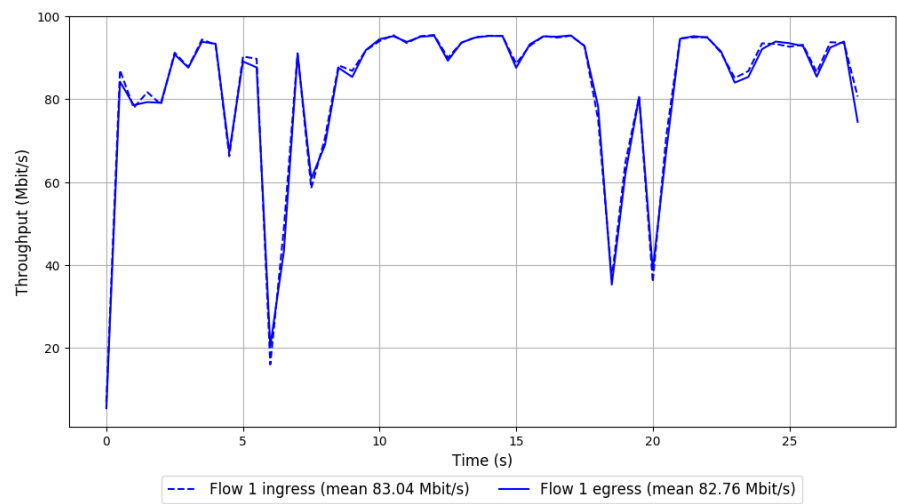
-- Flow 1:

Average throughput: 82.76 Mbit/s

95th percentile per-packet one-way delay: 31.197 ms

Loss rate: 0.54%

Run 2: Report of Copa — Data Link



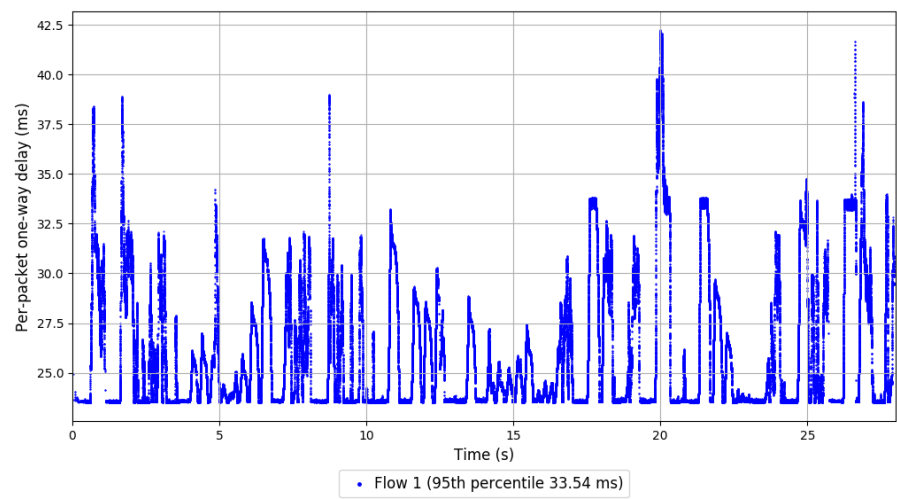
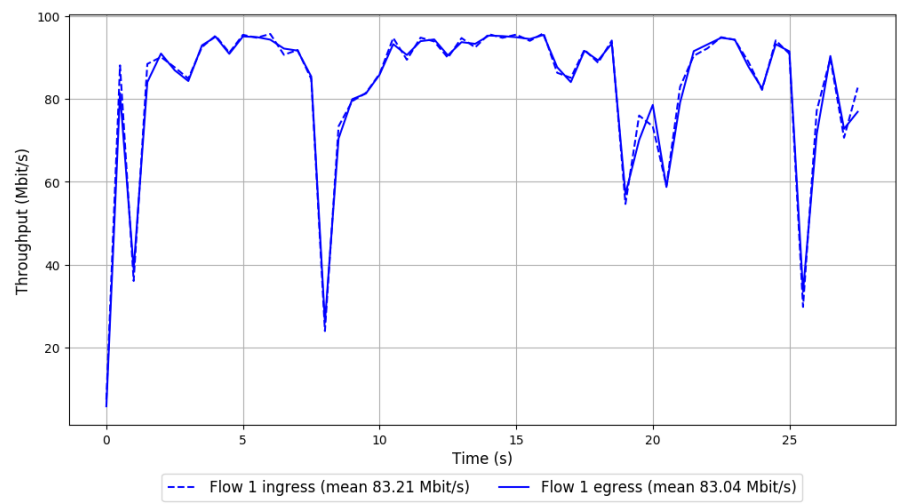
Run 3: Statistics of Copa

Start at: 2018-01-25 06:40:31  
End at: 2018-01-25 06:41:01  
Local clock offset: 1.525 ms  
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-01-25 13:05:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.04 Mbit/s  
95th percentile per-packet one-way delay: 33.536 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 83.04 Mbit/s  
95th percentile per-packet one-way delay: 33.536 ms  
Loss rate: 0.40%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-25 07:01:47

End at: 2018-01-25 07:02:17

Local clock offset: 1.676 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-01-25 13:05:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 30.225 ms

Loss rate: 0.40%

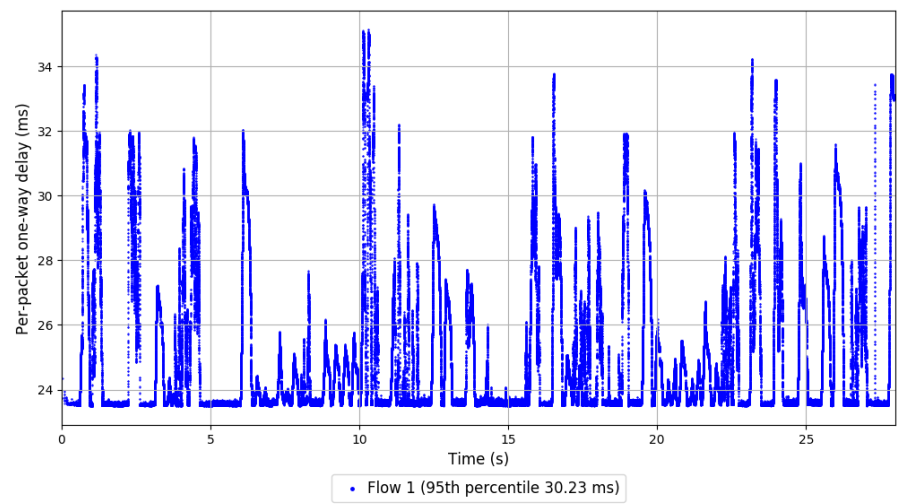
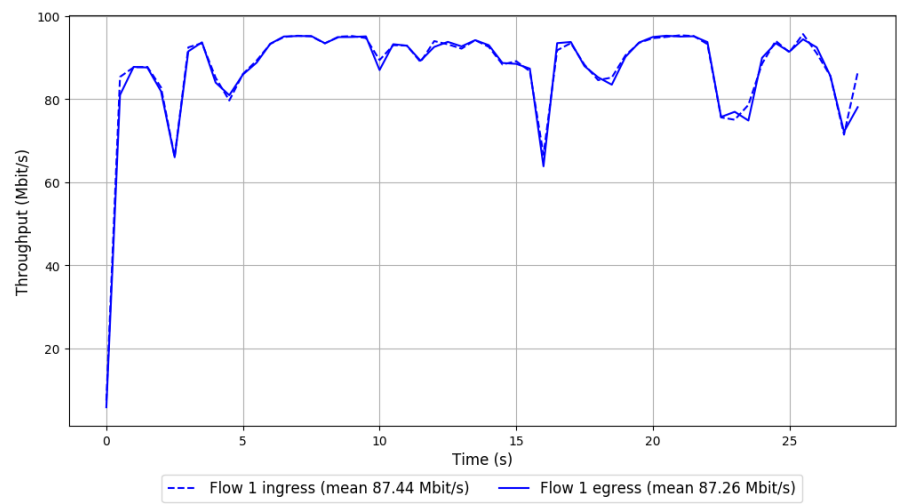
-- Flow 1:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 30.225 ms

Loss rate: 0.40%

Run 4: Report of Copa — Data Link

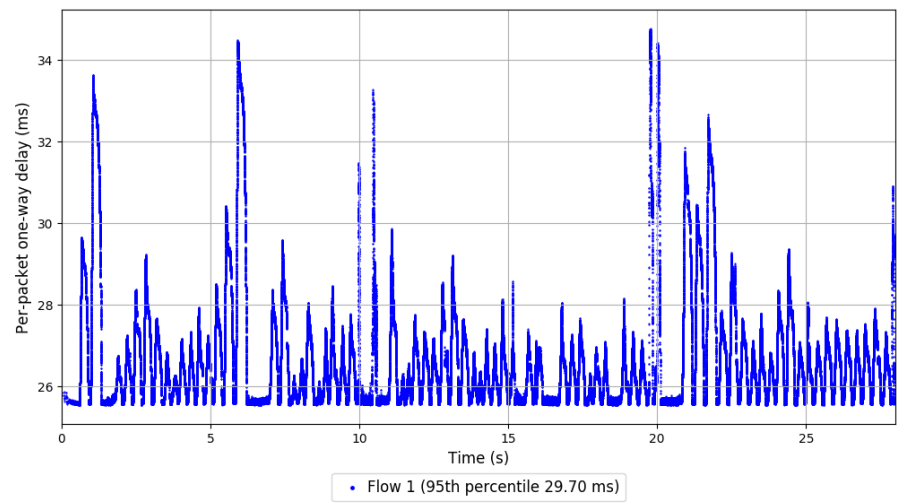
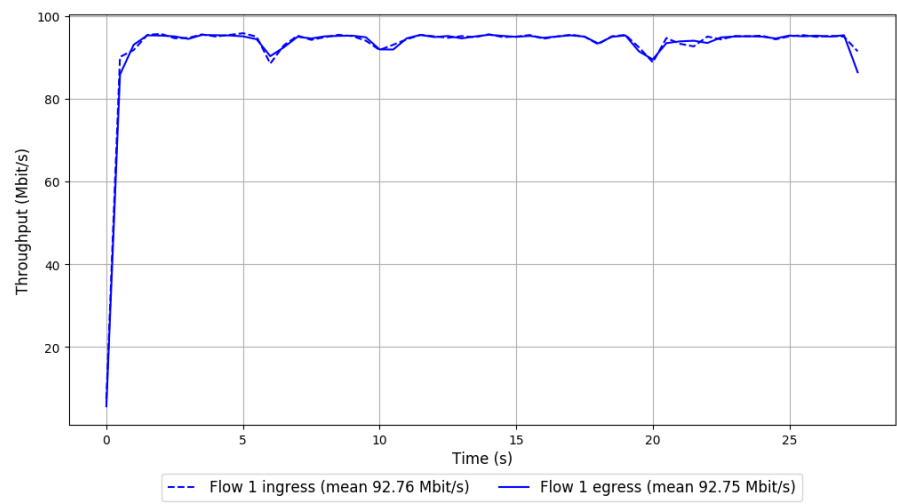


Run 5: Statistics of Copa

Start at: 2018-01-25 07:23:11  
End at: 2018-01-25 07:23:41  
Local clock offset: 1.675 ms  
Remote clock offset: -1.982 ms

# Below is generated by plot.py at 2018-01-25 13:05:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 29.696 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 29.696 ms  
Loss rate: 0.20%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-25 07:44:34

End at: 2018-01-25 07:45:04

Local clock offset: 1.787 ms

Remote clock offset: 0.363 ms

# Below is generated by plot.py at 2018-01-25 13:05:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.33 Mbit/s

95th percentile per-packet one-way delay: 30.966 ms

Loss rate: 0.34%

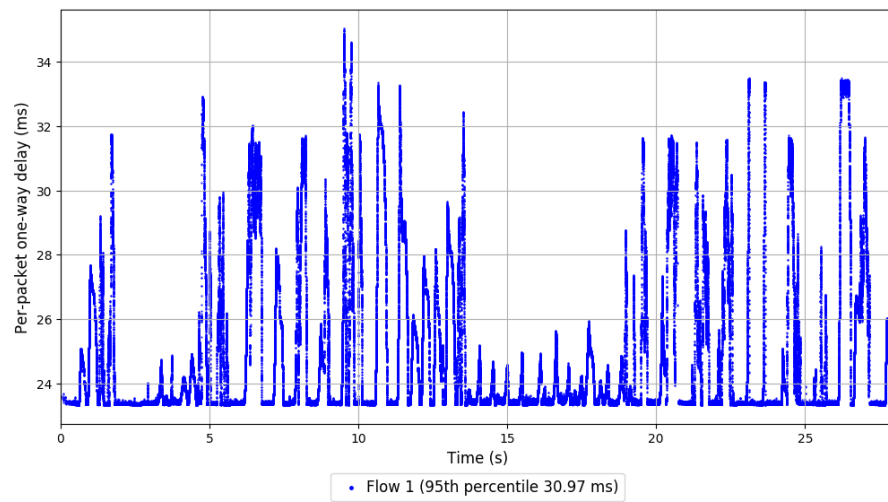
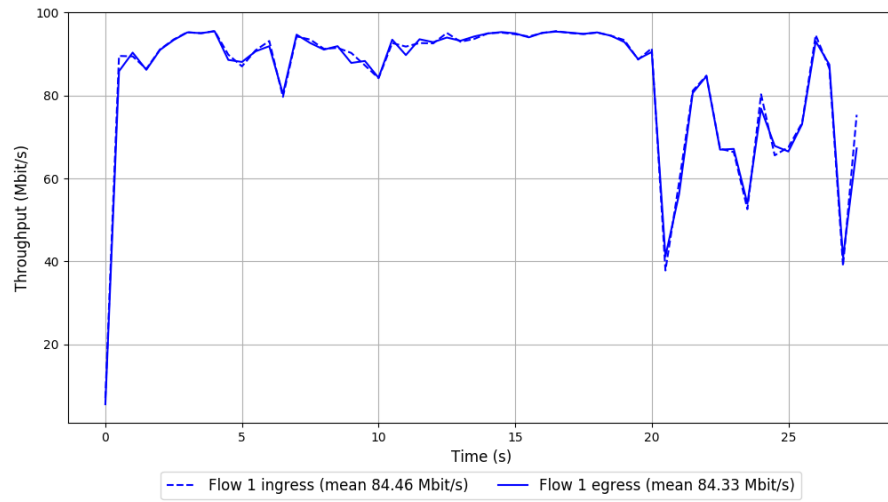
-- Flow 1:

Average throughput: 84.33 Mbit/s

95th percentile per-packet one-way delay: 30.966 ms

Loss rate: 0.34%

## Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-25 08:05:51

End at: 2018-01-25 08:06:21

Local clock offset: 1.901 ms

Remote clock offset: -2.01 ms

# Below is generated by plot.py at 2018-01-25 13:05:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 28.638 ms

Loss rate: 0.18%

-- Flow 1:

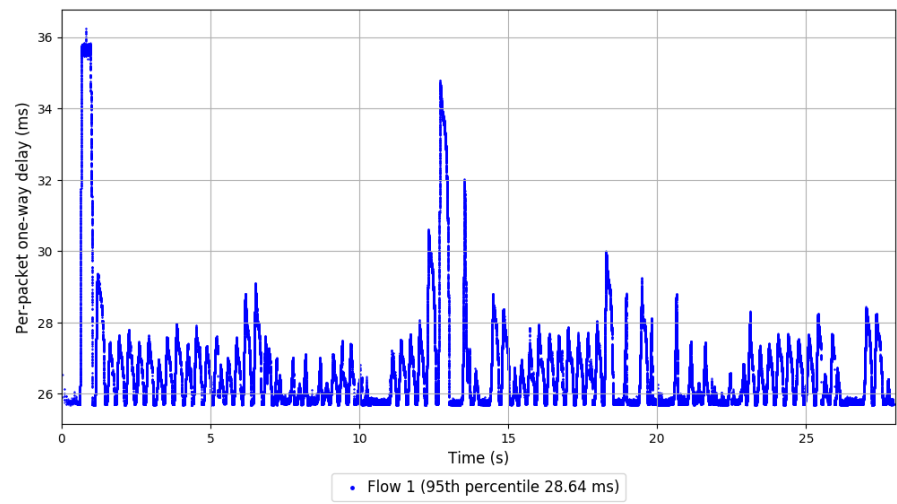
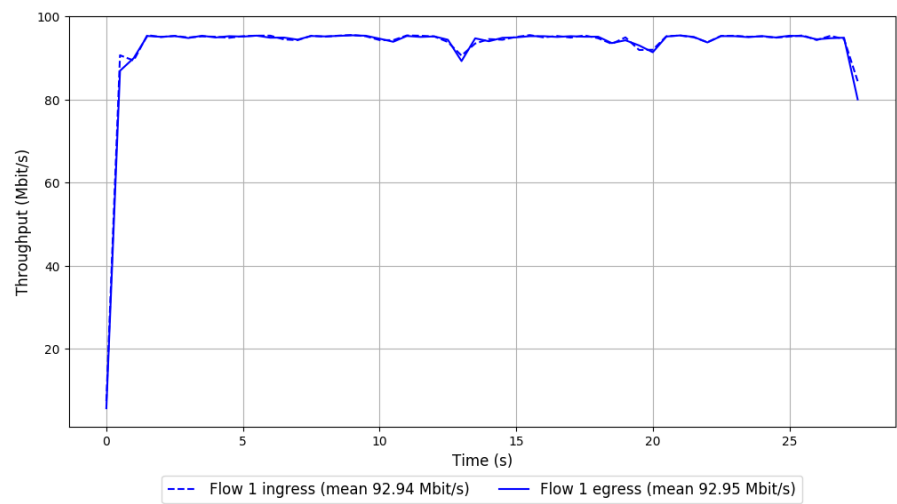
Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 28.638 ms

Loss rate: 0.18%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-25 08:27:10

End at: 2018-01-25 08:27:40

Local clock offset: 1.969 ms

Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2018-01-25 13:06:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 26.861 ms

Loss rate: 0.22%

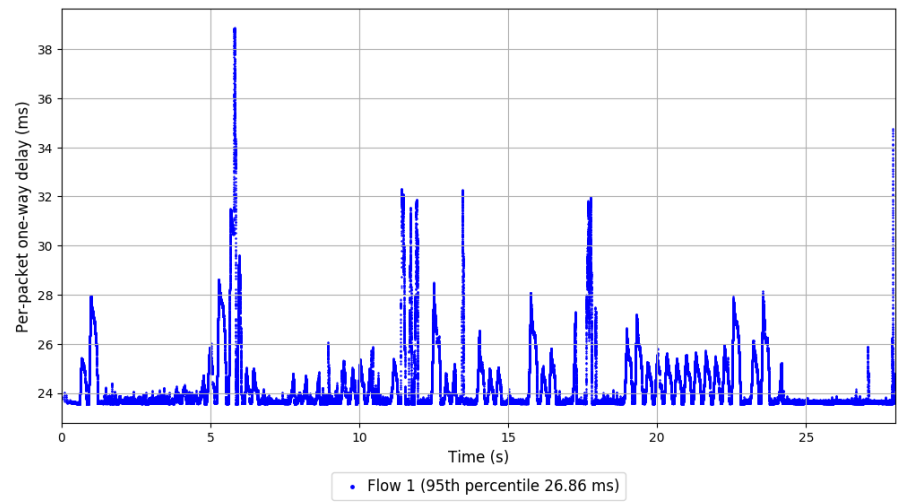
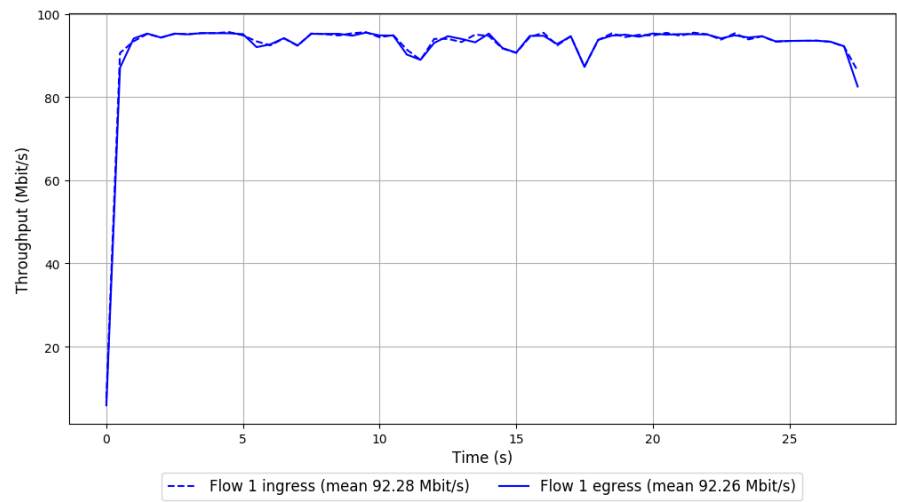
-- Flow 1:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 26.861 ms

Loss rate: 0.22%

Run 8: Report of Copa — Data Link

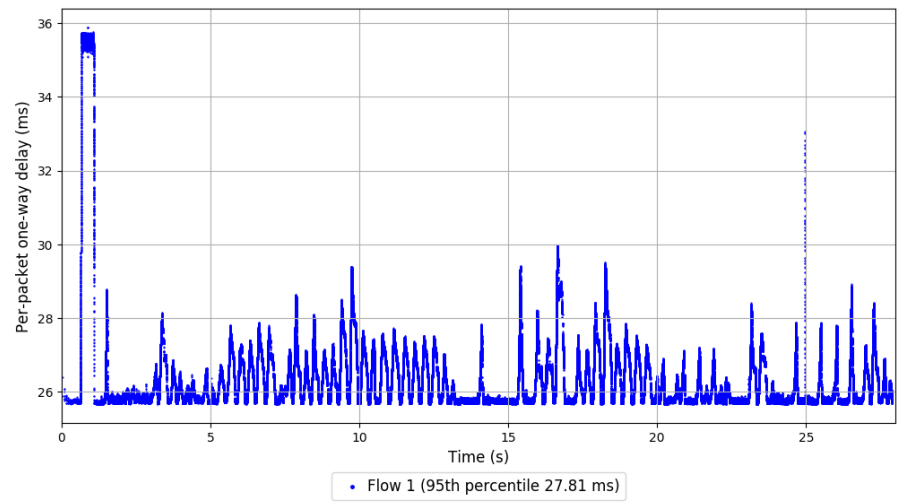
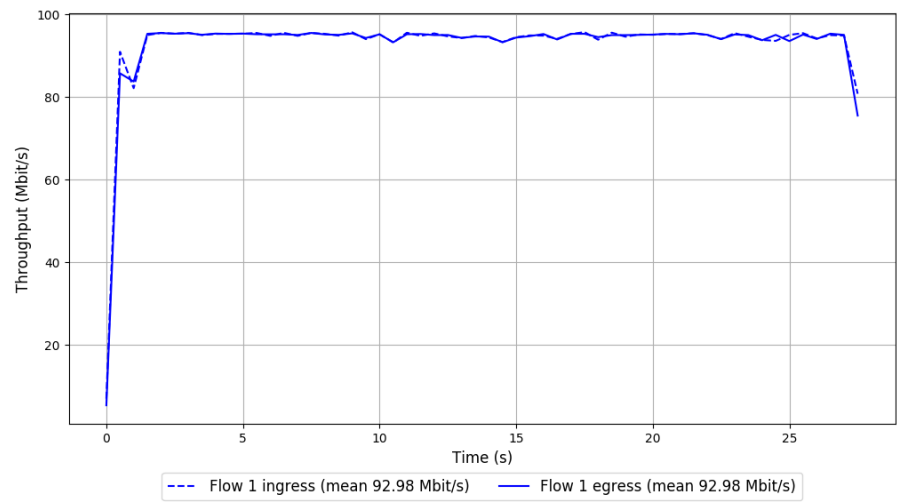


Run 9: Statistics of Copa

Start at: 2018-01-25 08:48:32  
End at: 2018-01-25 08:49:02  
Local clock offset: 1.935 ms  
Remote clock offset: -2.049 ms

# Below is generated by plot.py at 2018-01-25 13:07:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.98 Mbit/s  
95th percentile per-packet one-way delay: 27.808 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 92.98 Mbit/s  
95th percentile per-packet one-way delay: 27.808 ms  
Loss rate: 0.20%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-25 09:09:56

End at: 2018-01-25 09:10:27

Local clock offset: 1.856 ms

Remote clock offset: 0.549 ms

# Below is generated by plot.py at 2018-01-25 13:07:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 27.590 ms

Loss rate: 0.18%

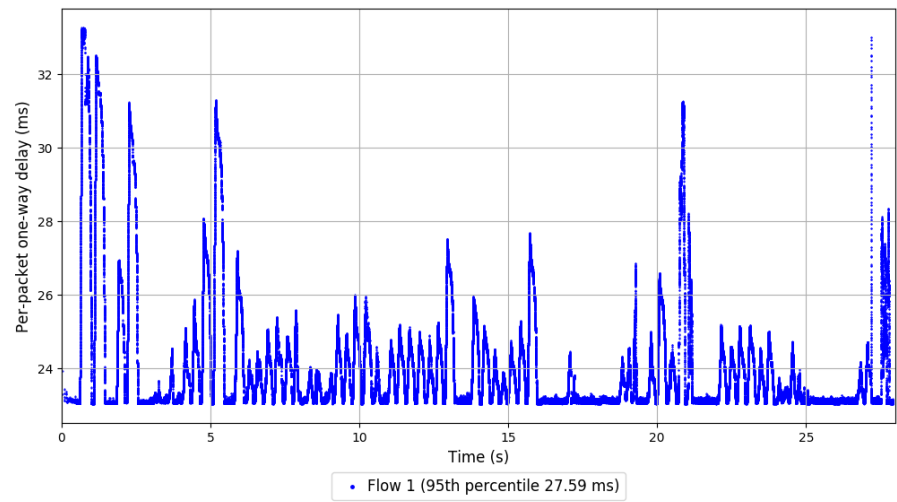
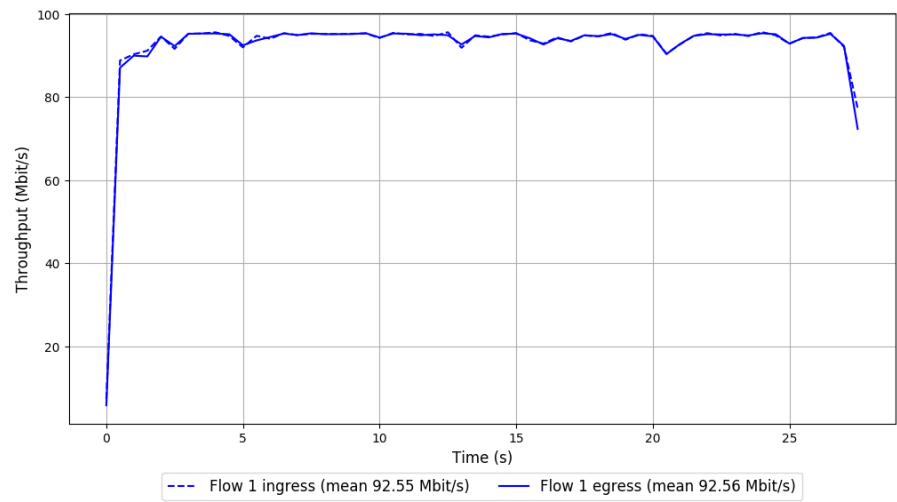
-- Flow 1:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 27.590 ms

Loss rate: 0.18%

Run 10: Report of Copa — Data Link



Run 1: Statistics of Indigo-2-256

Start at: 2018-01-25 05:55:57

End at: 2018-01-25 05:56:27

Local clock offset: 1.322 ms

Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-01-25 13:07:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 31.035 ms

Loss rate: 0.37%

-- Flow 1:

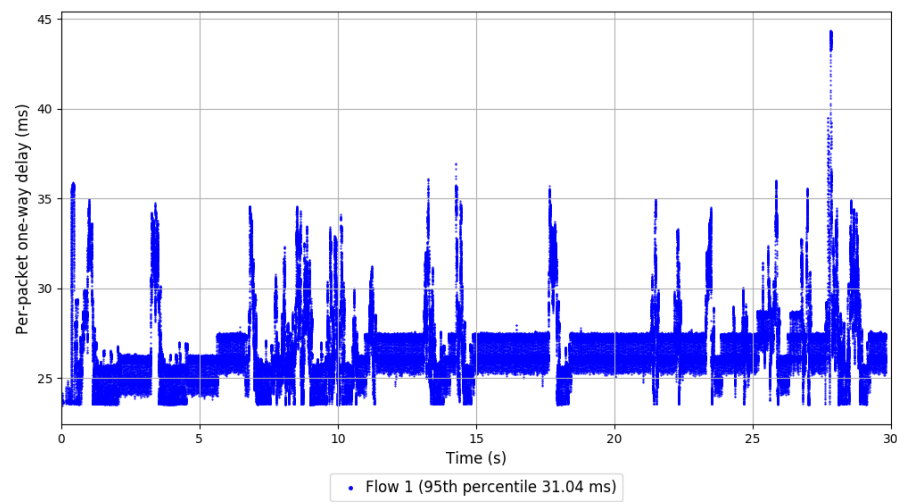
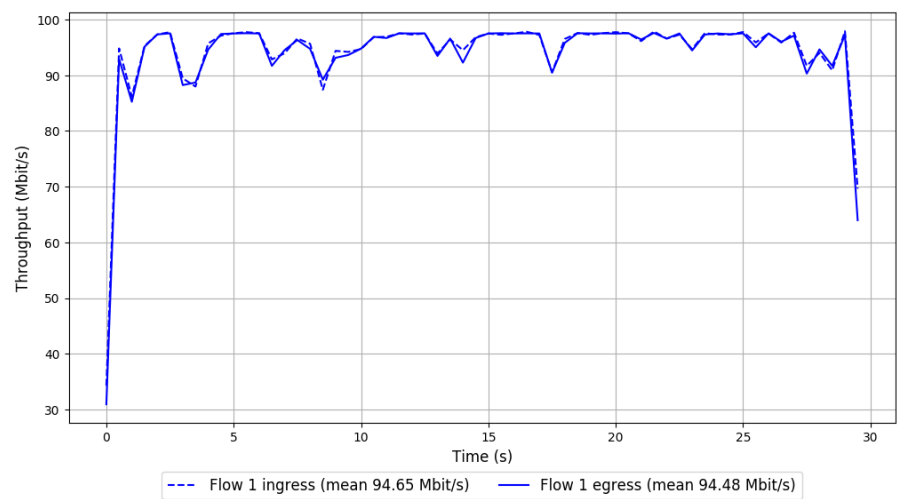
Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 31.035 ms

Loss rate: 0.37%



Run 1: Report of Indigo-2-256 — Data Link



Run 2: Statistics of Indigo-2-256

Start at: 2018-01-25 06:17:49

End at: 2018-01-25 06:18:19

Local clock offset: 1.462 ms

Remote clock offset: 0.135 ms

# Below is generated by plot.py at 2018-01-25 13:07:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.75 Mbit/s

95th percentile per-packet one-way delay: 32.154 ms

Loss rate: 0.55%

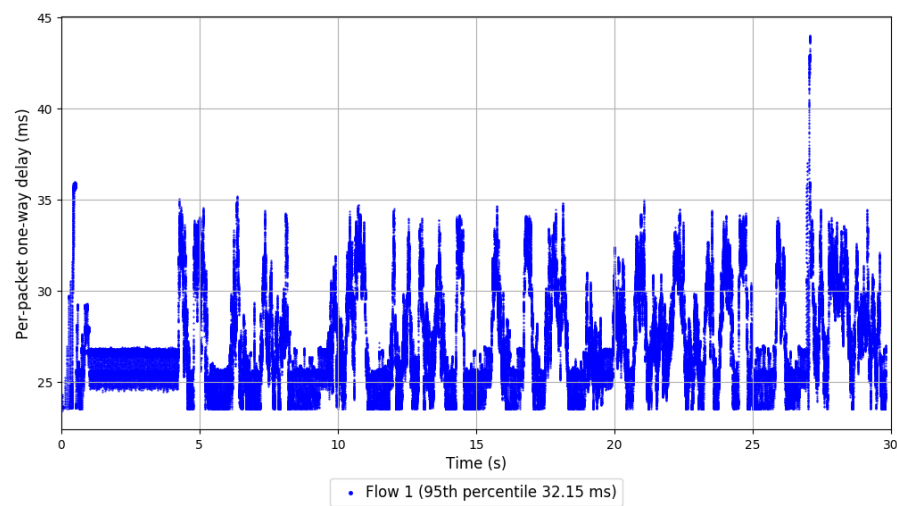
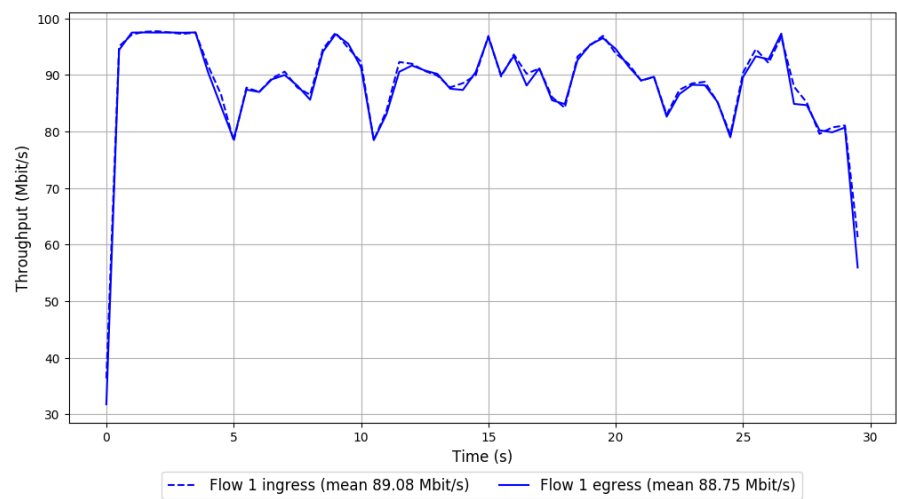
-- Flow 1:

Average throughput: 88.75 Mbit/s

95th percentile per-packet one-way delay: 32.154 ms

Loss rate: 0.55%

Run 2: Report of Indigo-2-256 — Data Link



Run 3: Statistics of Indigo-2-256

Start at: 2018-01-25 06:39:09

End at: 2018-01-25 06:39:39

Local clock offset: 1.667 ms

Remote clock offset: -2.032 ms

# Below is generated by plot.py at 2018-01-25 13:07:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.05 Mbit/s

95th percentile per-packet one-way delay: 33.514 ms

Loss rate: 0.40%

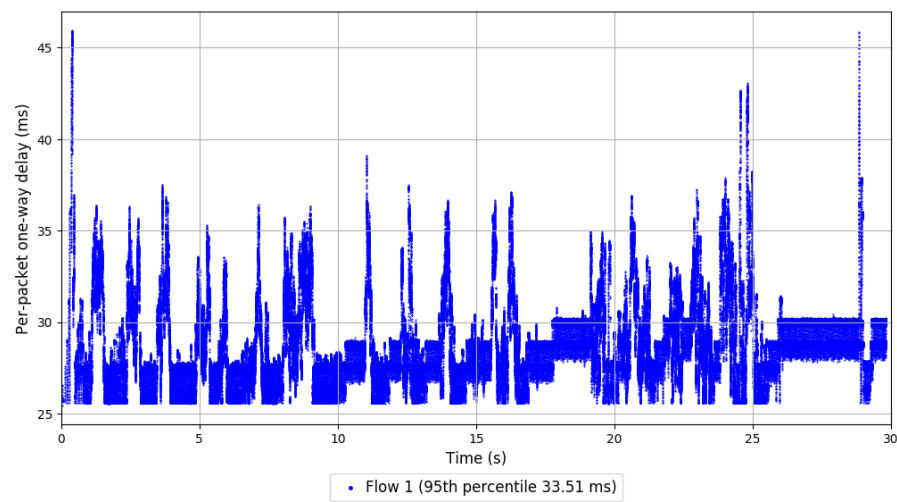
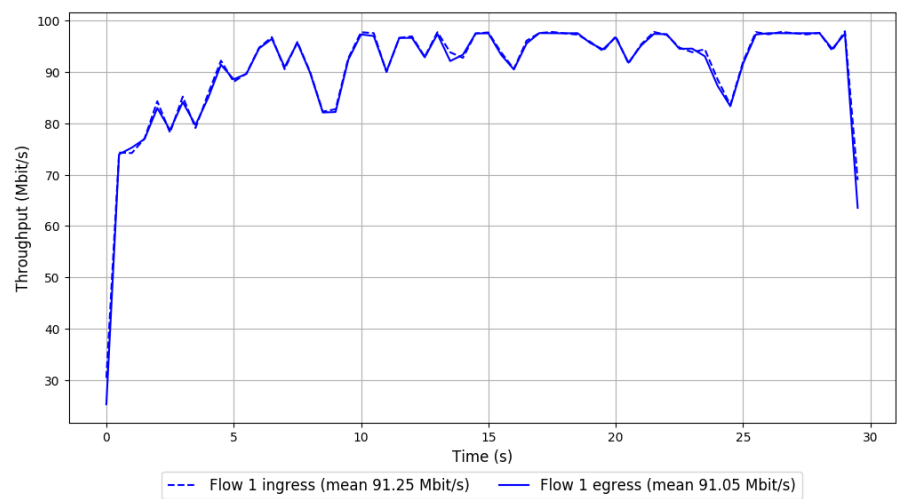
-- Flow 1:

Average throughput: 91.05 Mbit/s

95th percentile per-packet one-way delay: 33.514 ms

Loss rate: 0.40%

Run 3: Report of Indigo-2-256 — Data Link



Run 4: Statistics of Indigo-2-256

Start at: 2018-01-25 07:00:25

End at: 2018-01-25 07:00:55

Local clock offset: 1.732 ms

Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-01-25 13:07:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.76 Mbit/s

95th percentile per-packet one-way delay: 30.985 ms

Loss rate: 0.28%

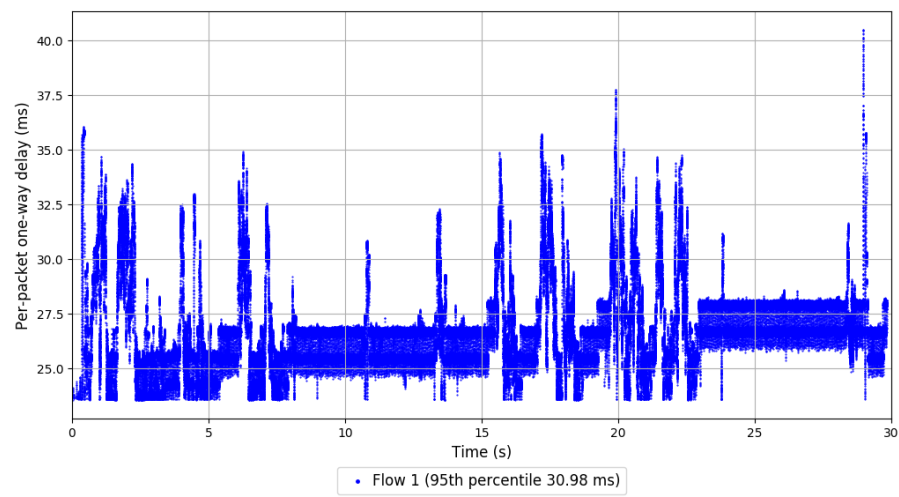
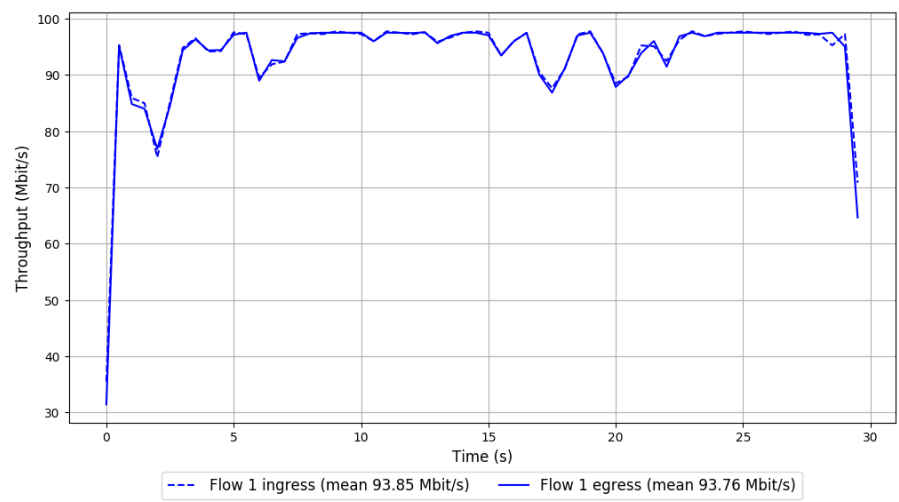
-- Flow 1:

Average throughput: 93.76 Mbit/s

95th percentile per-packet one-way delay: 30.985 ms

Loss rate: 0.28%

Run 4: Report of Indigo-2-256 — Data Link



Run 5: Statistics of Indigo-2-256

Start at: 2018-01-25 07:21:49

End at: 2018-01-25 07:22:19

Local clock offset: 1.773 ms

Remote clock offset: 0.532 ms

# Below is generated by plot.py at 2018-01-25 13:07:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 29.008 ms

Loss rate: 0.22%

-- Flow 1:

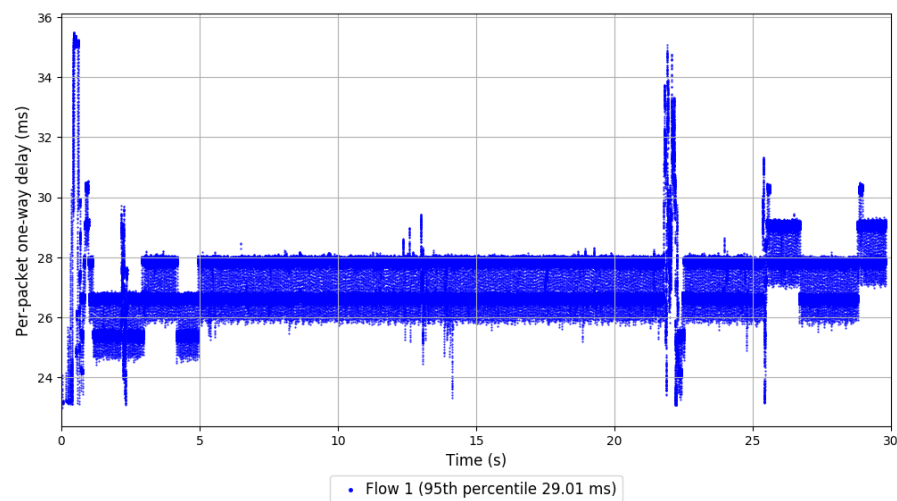
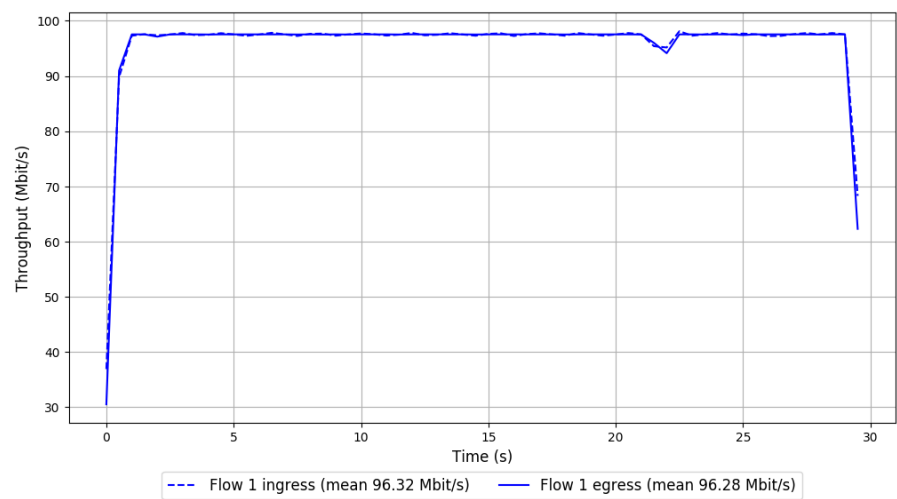
Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 29.008 ms

Loss rate: 0.22%



Run 5: Report of Indigo-2-256 — Data Link



Run 6: Statistics of Indigo-2-256

Start at: 2018-01-25 07:43:13

End at: 2018-01-25 07:43:43

Local clock offset: 1.778 ms

Remote clock offset: 0.279 ms

# Below is generated by plot.py at 2018-01-25 13:07:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 30.266 ms

Loss rate: 0.27%

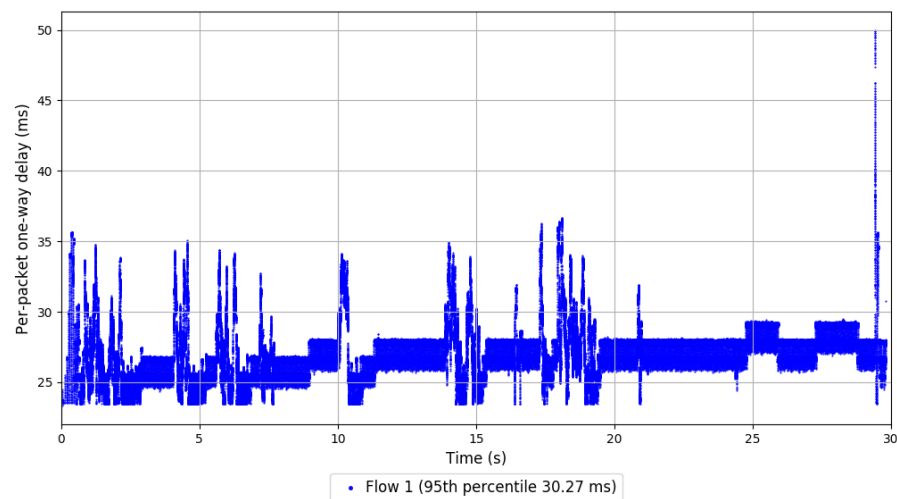
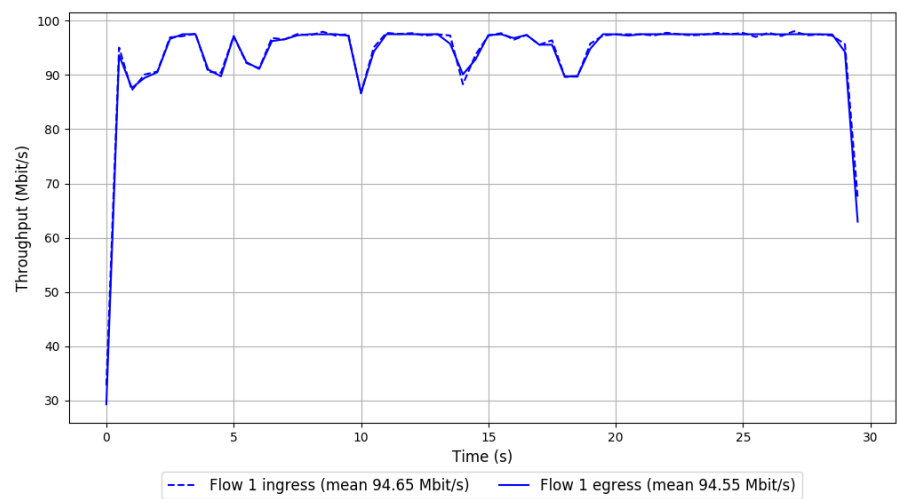
-- Flow 1:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 30.266 ms

Loss rate: 0.27%

Run 6: Report of Indigo-2-256 — Data Link

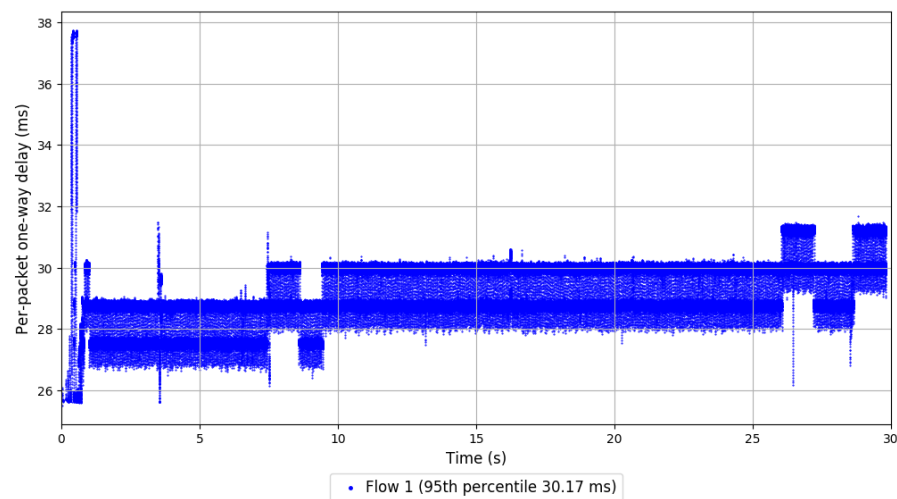
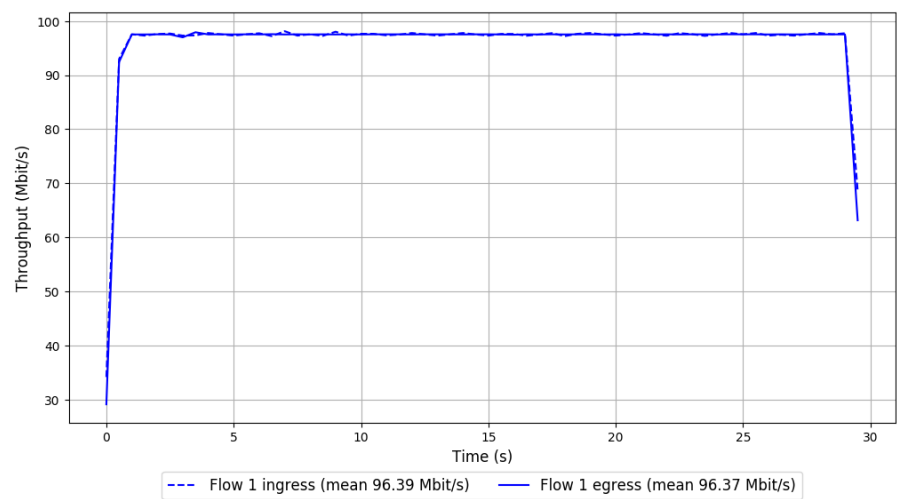


Run 7: Statistics of Indigo-2-256

Start at: 2018-01-25 08:04:29  
End at: 2018-01-25 08:04:59  
Local clock offset: 1.835 ms  
Remote clock offset: -1.921 ms

# Below is generated by plot.py at 2018-01-25 13:08:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.37 Mbit/s  
95th percentile per-packet one-way delay: 30.170 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 96.37 Mbit/s  
95th percentile per-packet one-way delay: 30.170 ms  
Loss rate: 0.20%

Run 7: Report of Indigo-2-256 — Data Link

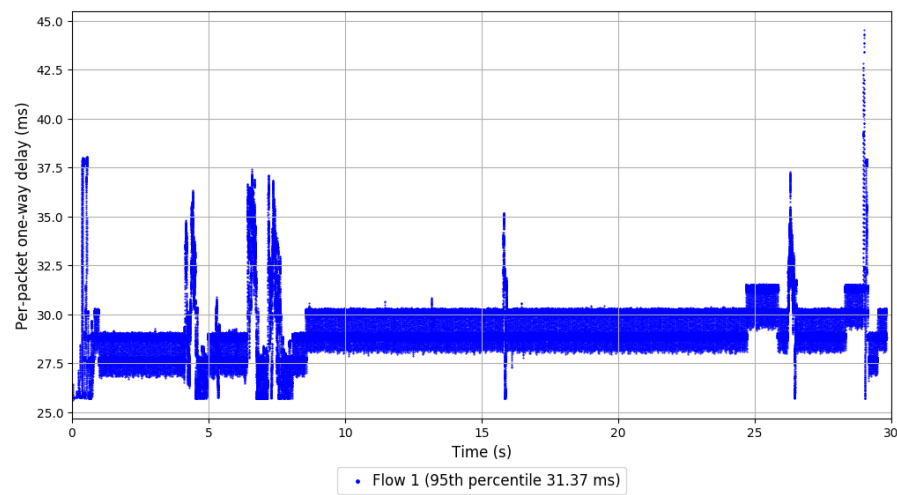
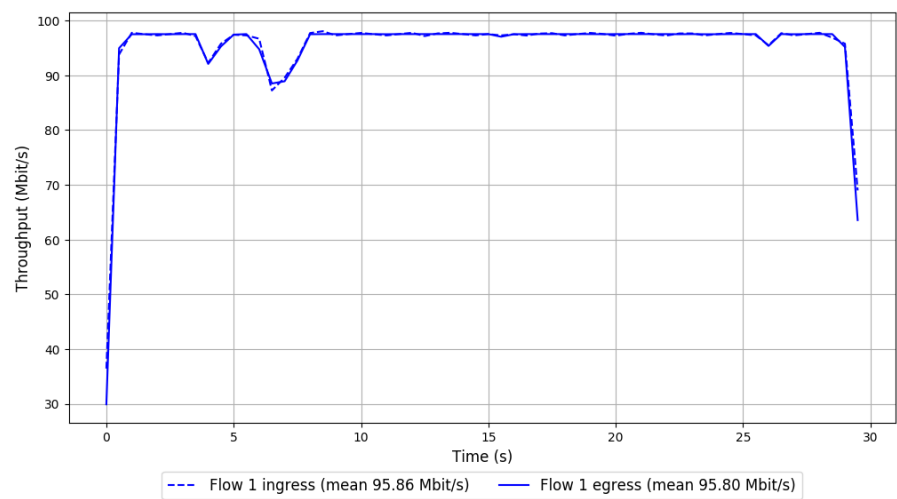


Run 8: Statistics of Indigo-2-256

Start at: 2018-01-25 08:25:49  
End at: 2018-01-25 08:26:19  
Local clock offset: 1.956 ms  
Remote clock offset: -2.097 ms

# Below is generated by plot.py at 2018-01-25 13:08:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.80 Mbit/s  
95th percentile per-packet one-way delay: 31.368 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 95.80 Mbit/s  
95th percentile per-packet one-way delay: 31.368 ms  
Loss rate: 0.24%

Run 8: Report of Indigo-2-256 — Data Link



Run 9: Statistics of Indigo-2-256

Start at: 2018-01-25 08:47:10

End at: 2018-01-25 08:47:40

Local clock offset: 1.927 ms

Remote clock offset: 0.495 ms

# Below is generated by plot.py at 2018-01-25 13:08:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 28.204 ms

Loss rate: 0.21%

-- Flow 1:

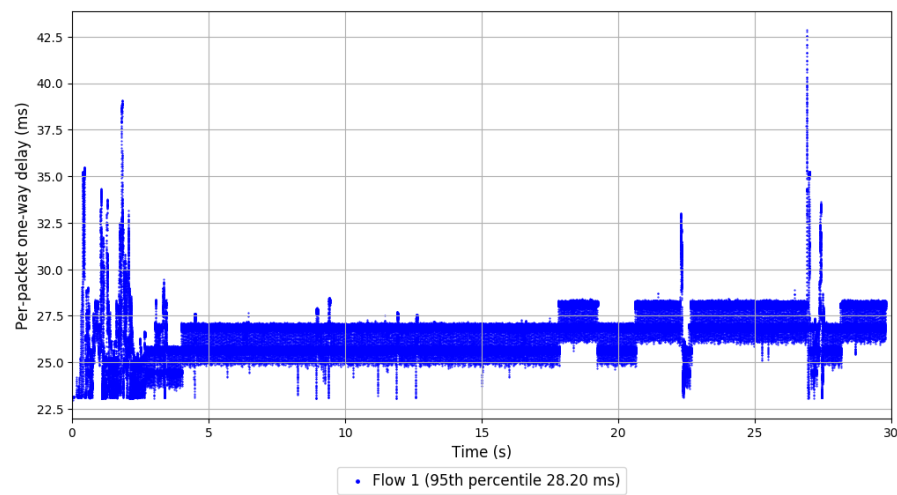
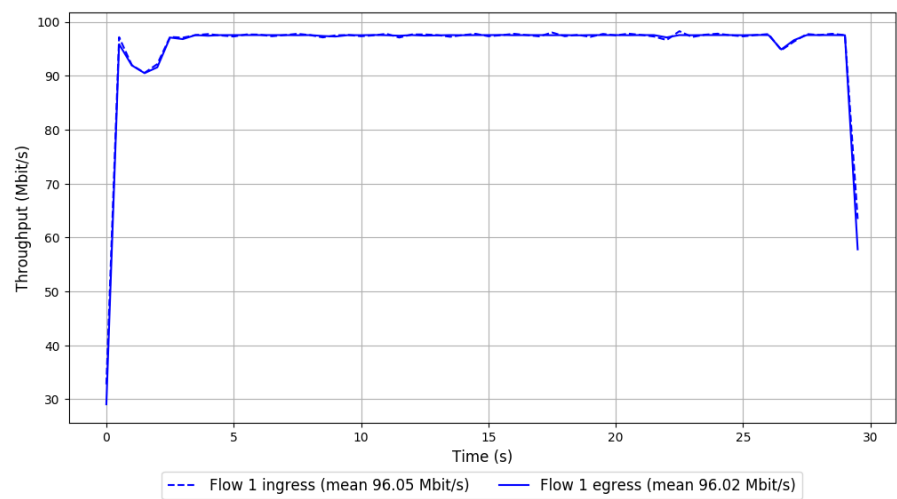
Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 28.204 ms

Loss rate: 0.21%



Run 9: Report of Indigo-2-256 — Data Link



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-25 09:08:35

End at: 2018-01-25 09:09:05

Local clock offset: 1.854 ms

Remote clock offset: -1.949 ms

# Below is generated by plot.py at 2018-01-25 13:08:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 30.644 ms

Loss rate: 0.19%

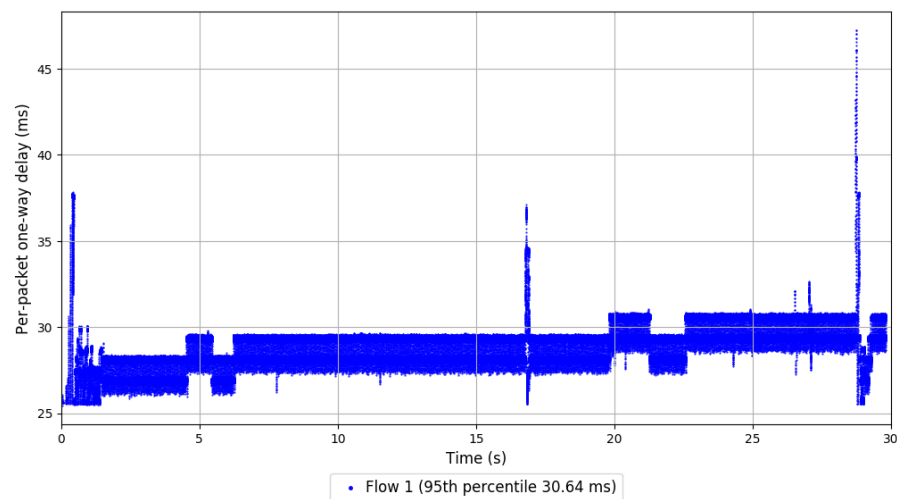
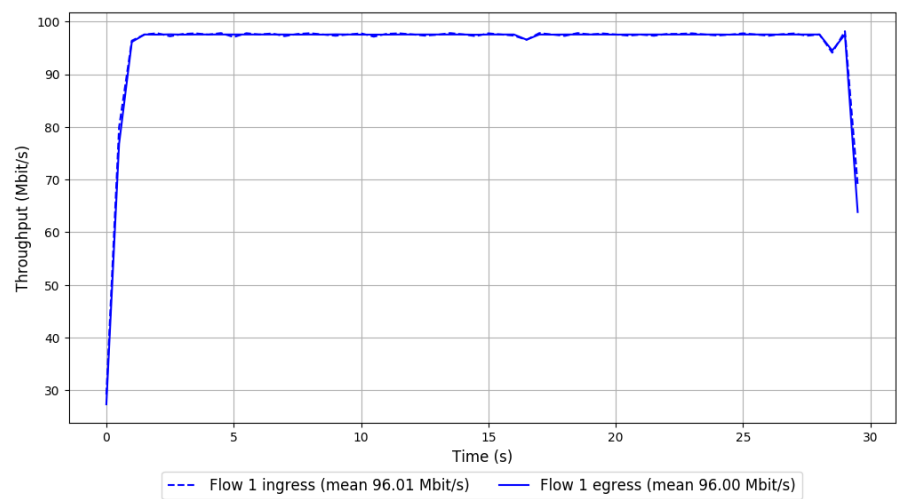
-- Flow 1:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 30.644 ms

Loss rate: 0.19%

Run 10: Report of Indigo-2-256 — Data Link

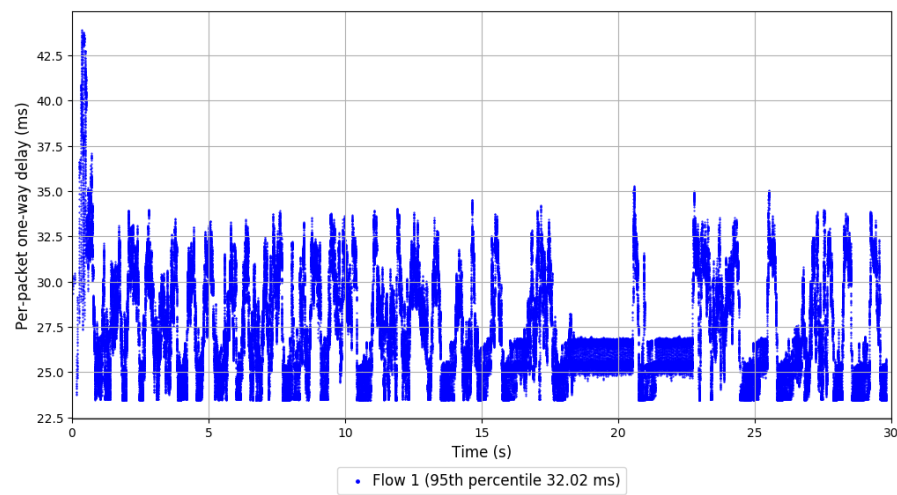
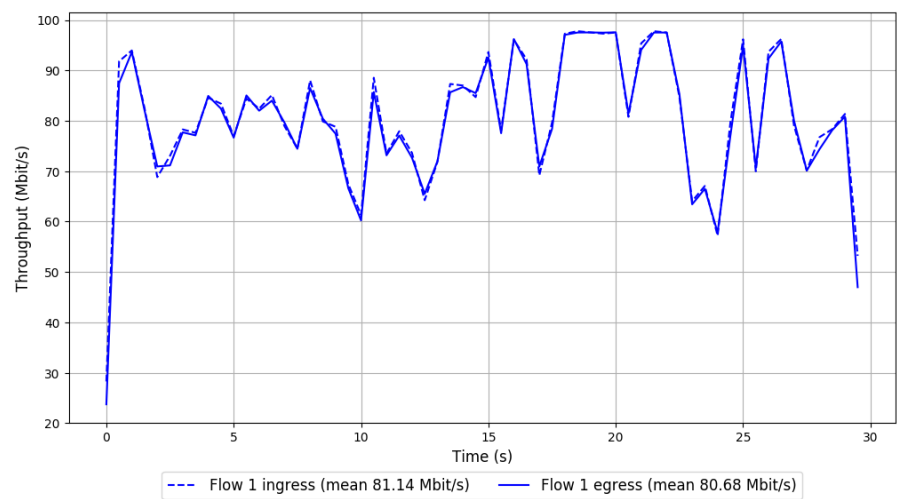


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-25 06:00:09
End at: 2018-01-25 06:00:39
Local clock offset: 1.332 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2018-01-25 13:08:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.68 Mbit/s
95th percentile per-packet one-way delay: 32.015 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 80.68 Mbit/s
95th percentile per-packet one-way delay: 32.015 ms
Loss rate: 0.77%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-01-25 06:22:01

End at: 2018-01-25 06:22:31

Local clock offset: 1.499 ms

Remote clock offset: 0.194 ms

# Below is generated by plot.py at 2018-01-25 13:08:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 31.691 ms

Loss rate: 0.46%

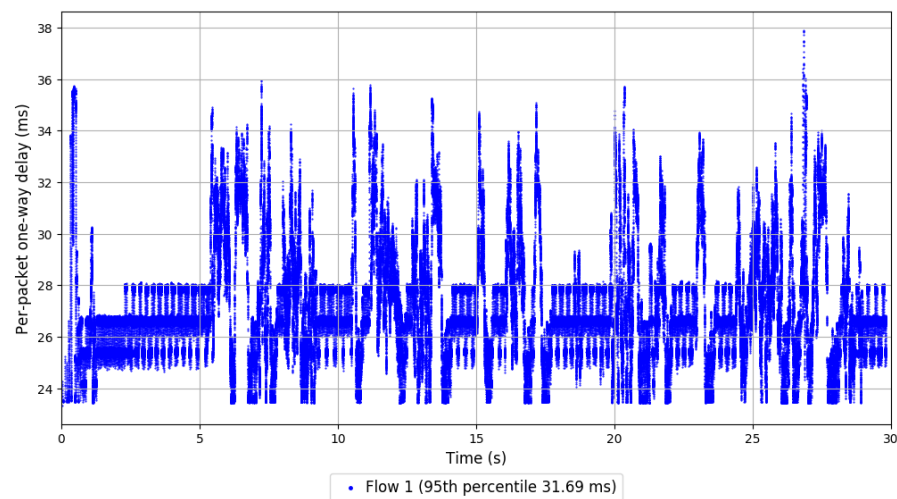
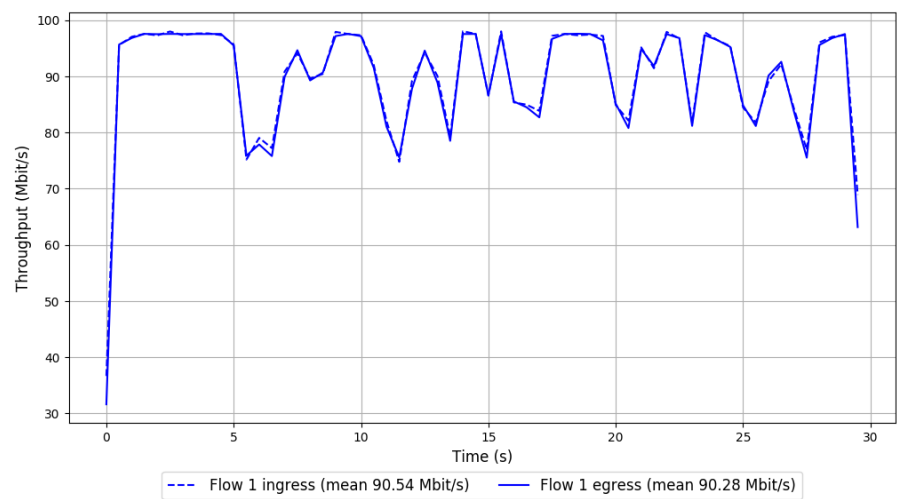
-- Flow 1:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 31.691 ms

Loss rate: 0.46%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-25 06:43:15

End at: 2018-01-25 06:43:45

Local clock offset: 1.596 ms

Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-01-25 13:08:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 31.437 ms

Loss rate: 0.45%

-- Flow 1:

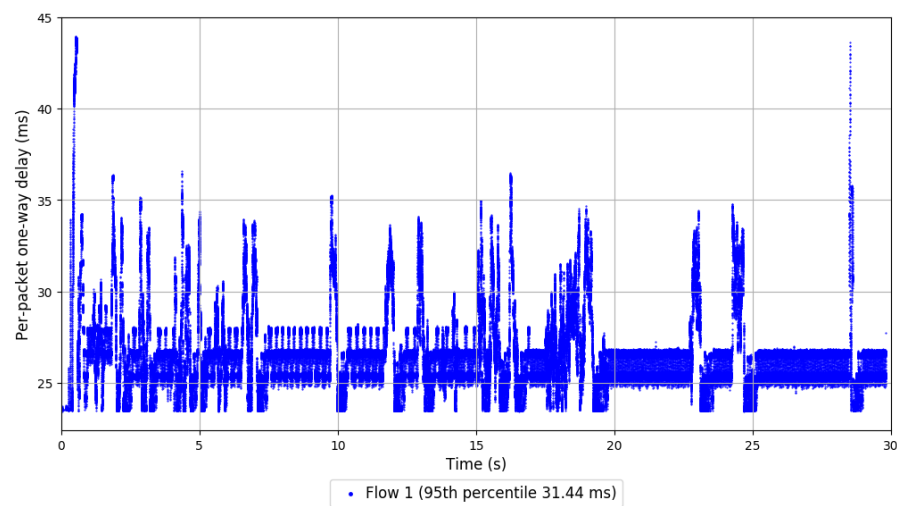
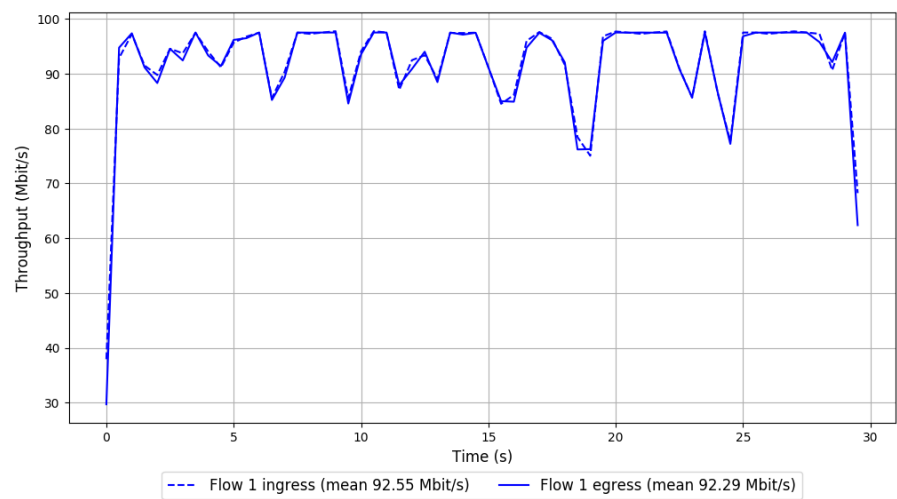
Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 31.437 ms

Loss rate: 0.45%



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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-25 07:04:33

End at: 2018-01-25 07:05:03

Local clock offset: 1.679 ms

Remote clock offset: -2.05 ms

# Below is generated by plot.py at 2018-01-25 13:09:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 32.364 ms

Loss rate: 0.26%

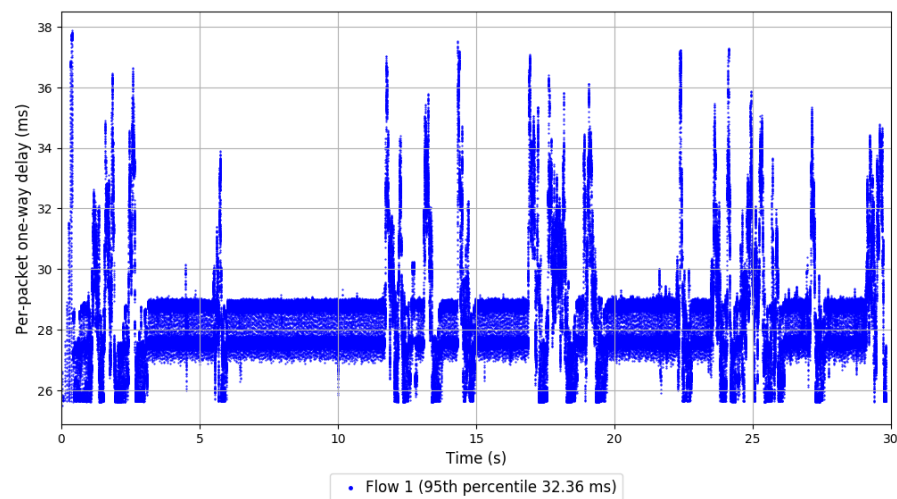
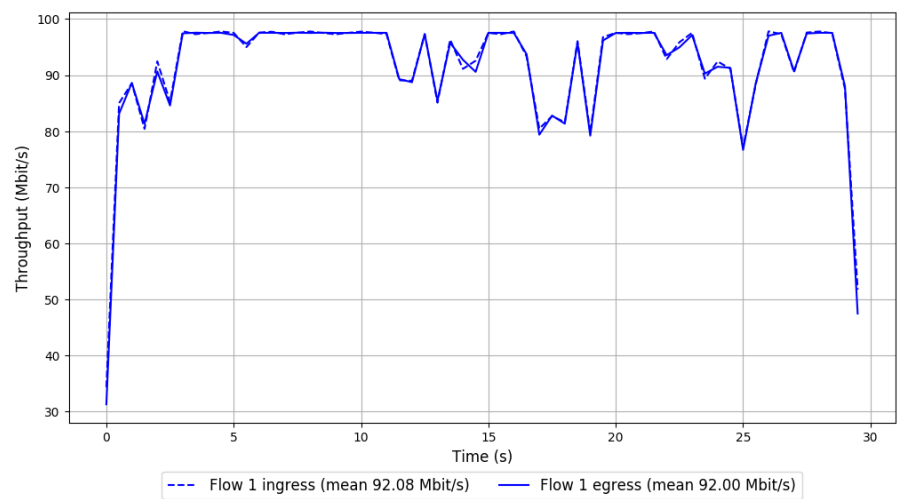
-- Flow 1:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 32.364 ms

Loss rate: 0.26%

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



Run 5: Statistics of Indigo-1-32

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

End at: 2018-01-25 07:26:26

Local clock offset: 1.798 ms

Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2018-01-25 13:09:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 27.211 ms

Loss rate: 0.21%

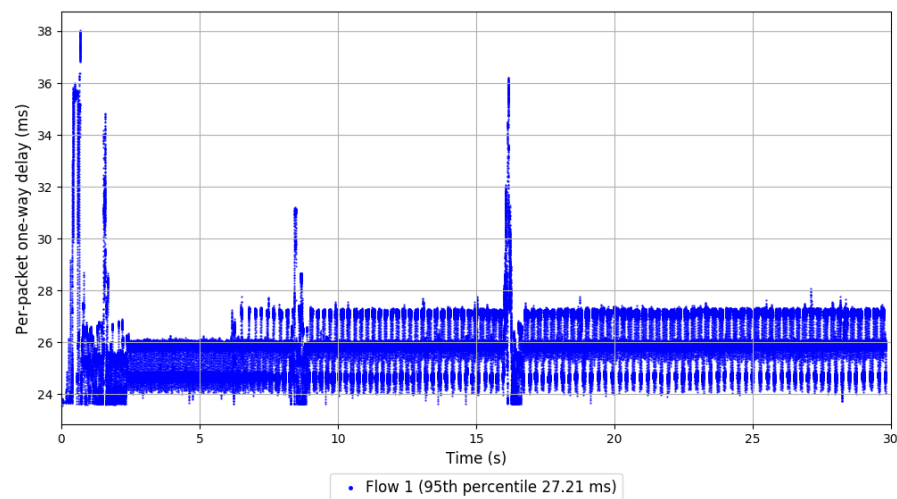
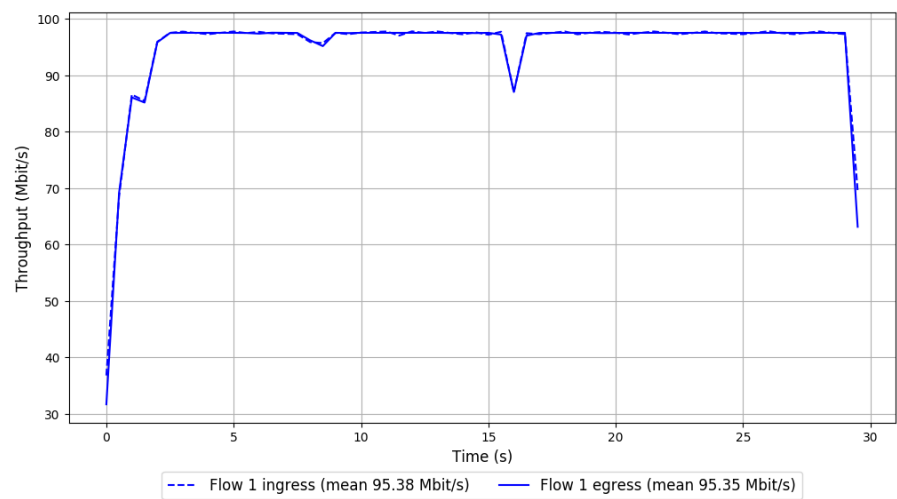
-- Flow 1:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 27.211 ms

Loss rate: 0.21%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-25 07:47:18

End at: 2018-01-25 07:47:48

Local clock offset: 1.898 ms

Remote clock offset: 0.685 ms

# Below is generated by plot.py at 2018-01-25 13:09:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.08 Mbit/s

95th percentile per-packet one-way delay: 29.295 ms

Loss rate: 0.27%

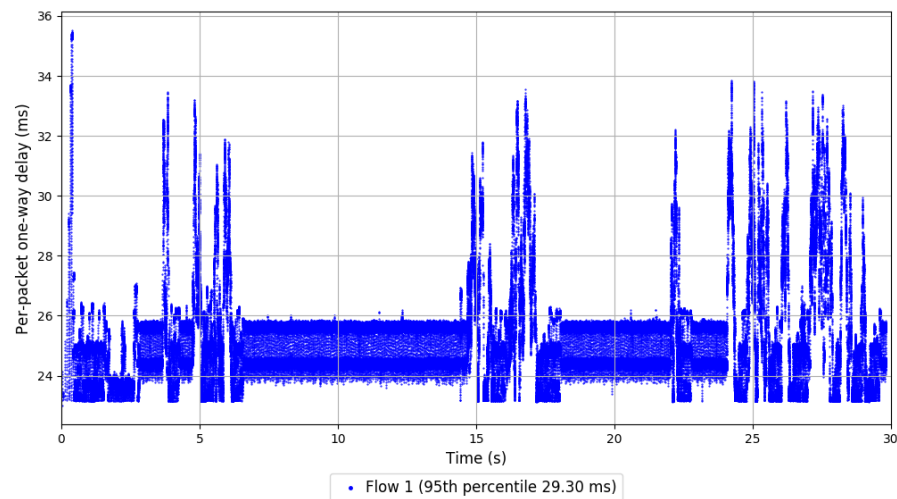
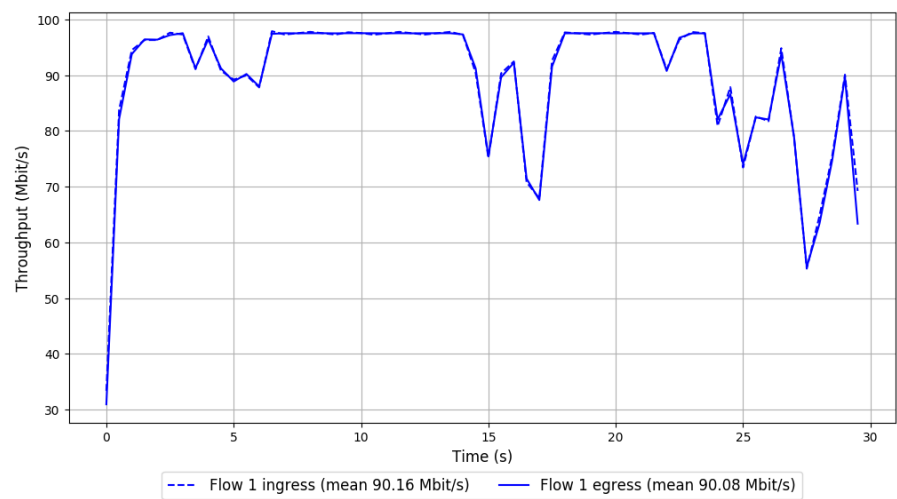
-- Flow 1:

Average throughput: 90.08 Mbit/s

95th percentile per-packet one-way delay: 29.295 ms

Loss rate: 0.27%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-25 08:08:36

End at: 2018-01-25 08:09:06

Local clock offset: 1.839 ms

Remote clock offset: 0.145 ms

# Below is generated by plot.py at 2018-01-25 13:09:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 27.416 ms

Loss rate: 0.27%

-- Flow 1:

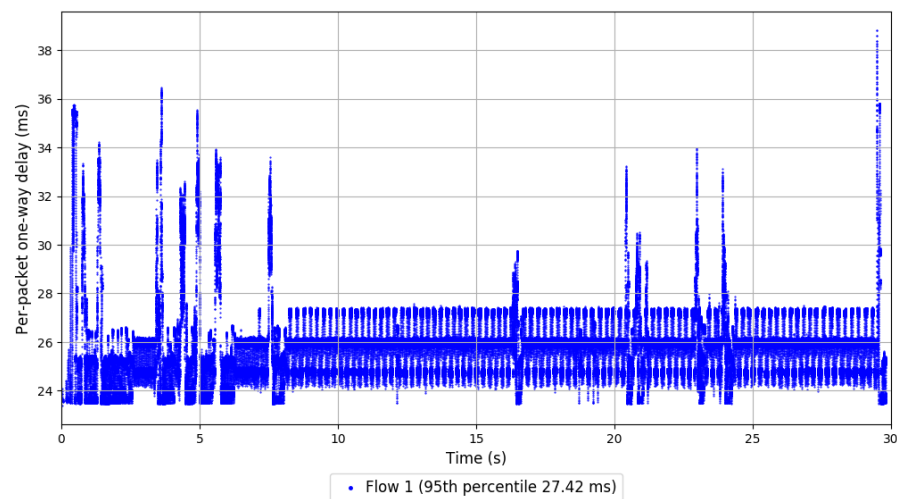
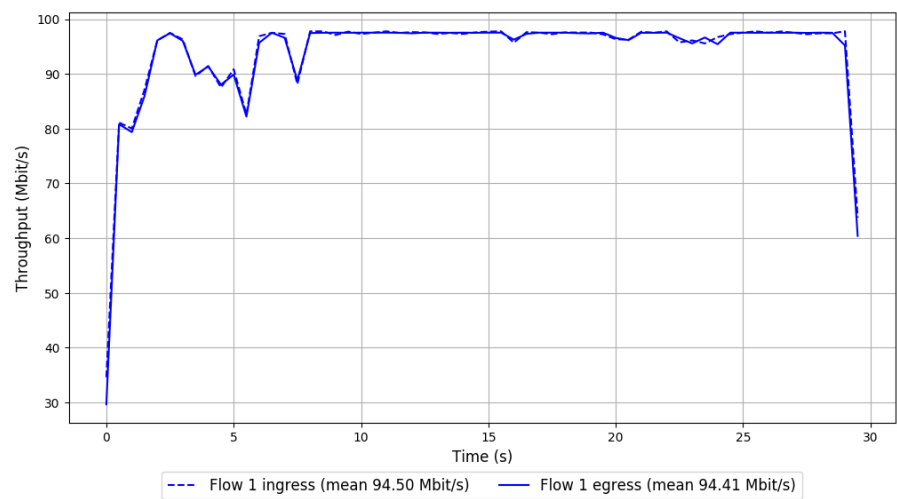
Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 27.416 ms

Loss rate: 0.27%



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

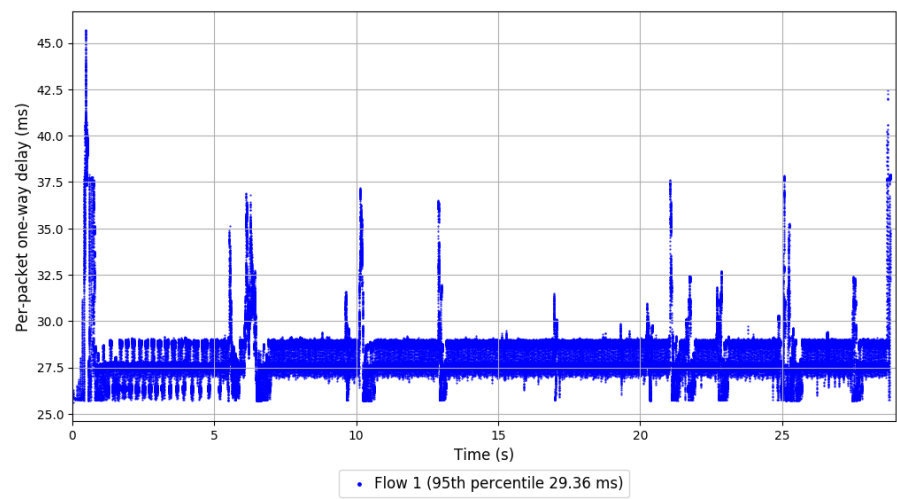
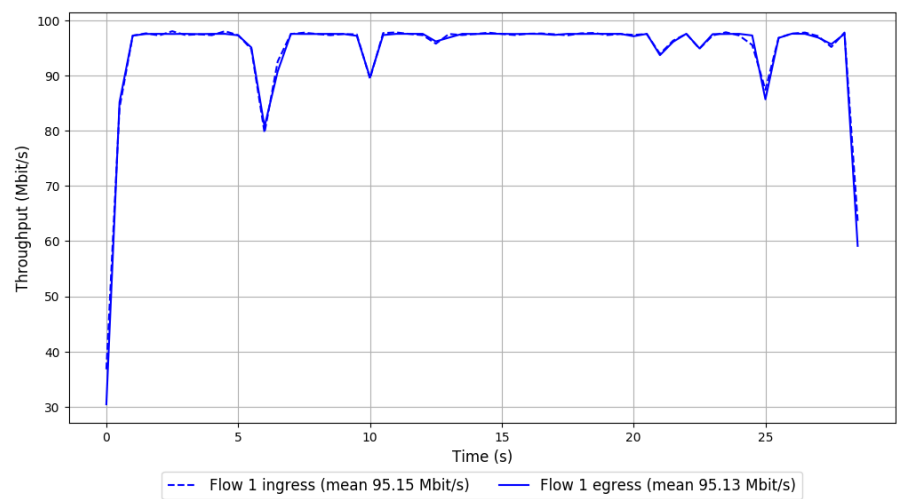


Run 8: Statistics of Indigo-1-32

Start at: 2018-01-25 08:29:55  
End at: 2018-01-25 08:30:25  
Local clock offset: 1.914 ms  
Remote clock offset: -2.087 ms

# Below is generated by plot.py at 2018-01-25 13:09:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.13 Mbit/s  
95th percentile per-packet one-way delay: 29.356 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 95.13 Mbit/s  
95th percentile per-packet one-way delay: 29.356 ms  
Loss rate: 0.21%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-25 08:51:17

End at: 2018-01-25 08:51:47

Local clock offset: 1.841 ms

Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-01-25 13:09:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 27.039 ms

Loss rate: 0.19%

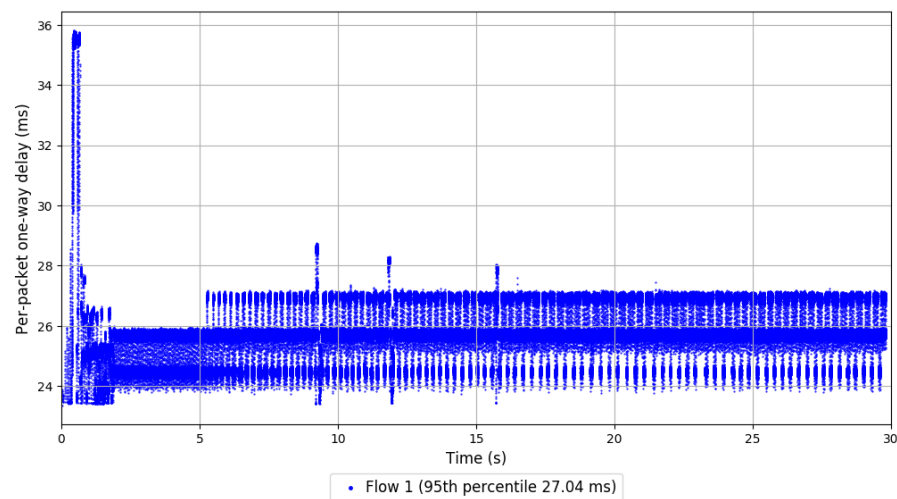
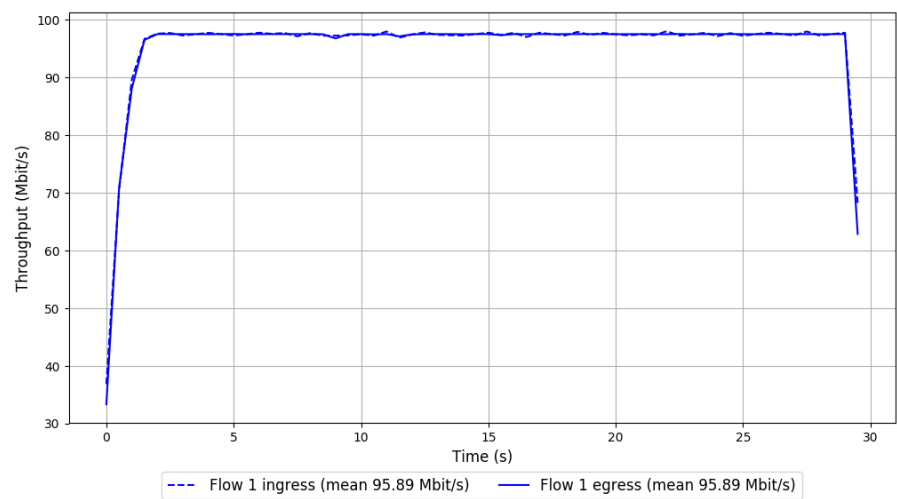
-- Flow 1:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 27.039 ms

Loss rate: 0.19%

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

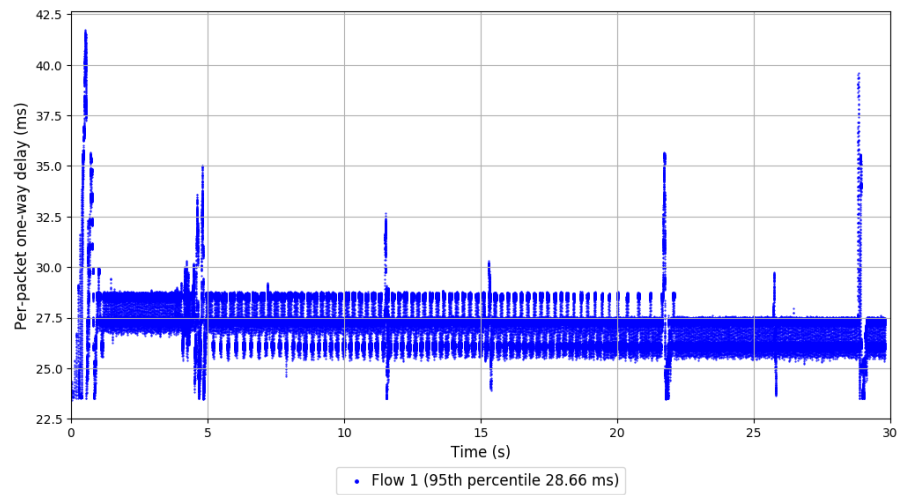
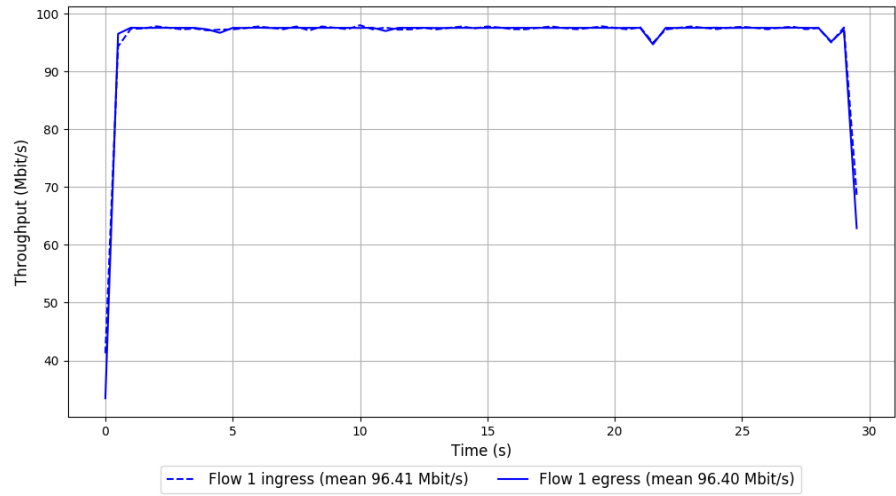


Run 10: Statistics of Indigo-1-32

Start at: 2018-01-25 09:12:41  
End at: 2018-01-25 09:13:11  
Local clock offset: 1.77 ms  
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-01-25 13:10:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.40 Mbit/s  
95th percentile per-packet one-way delay: 28.656 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 96.40 Mbit/s  
95th percentile per-packet one-way delay: 28.656 ms  
Loss rate: 0.20%

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



Run 1: Statistics of Indigo-1-128

Start at: 2018-01-25 05:41:25

End at: 2018-01-25 05:41:55

Local clock offset: 1.326 ms

Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-01-25 13:10:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 28.565 ms

Loss rate: 0.26%

-- Flow 1:

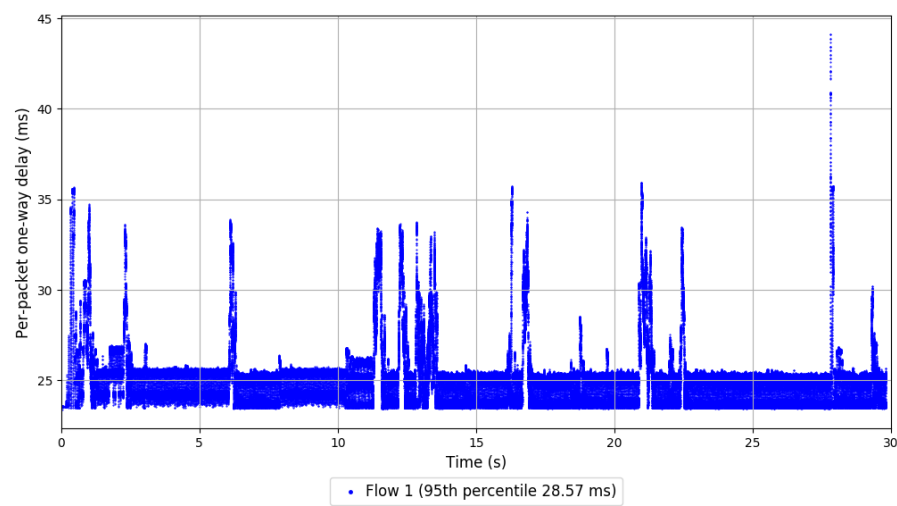
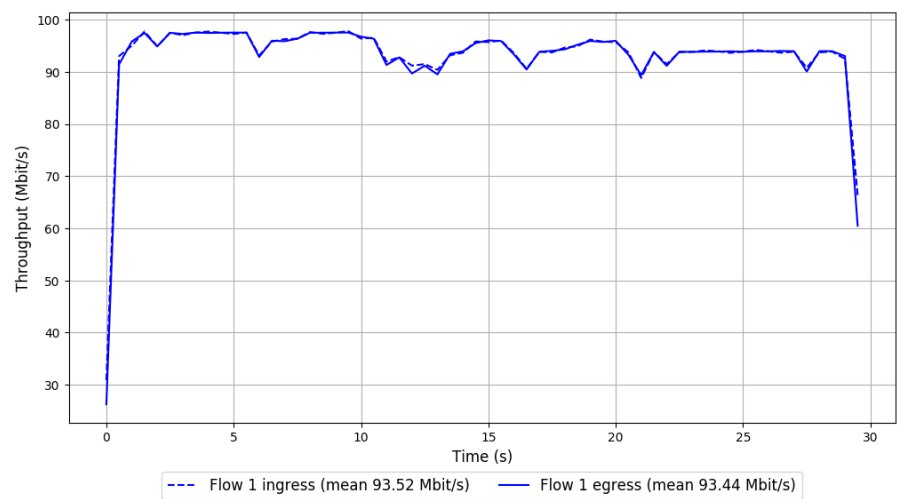
Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 28.565 ms

Loss rate: 0.26%



Run 1: Report of Indigo-1-128 — Data Link



Run 2: Statistics of Indigo-1-128

Start at: 2018-01-25 06:02:56

End at: 2018-01-25 06:03:26

Local clock offset: 1.434 ms

Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-01-25 13:10:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.48 Mbit/s

95th percentile per-packet one-way delay: 31.734 ms

Loss rate: 0.65%

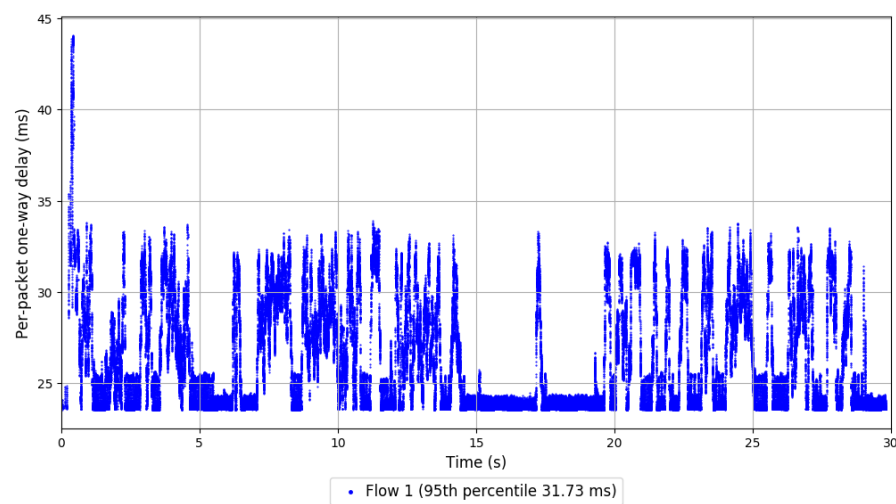
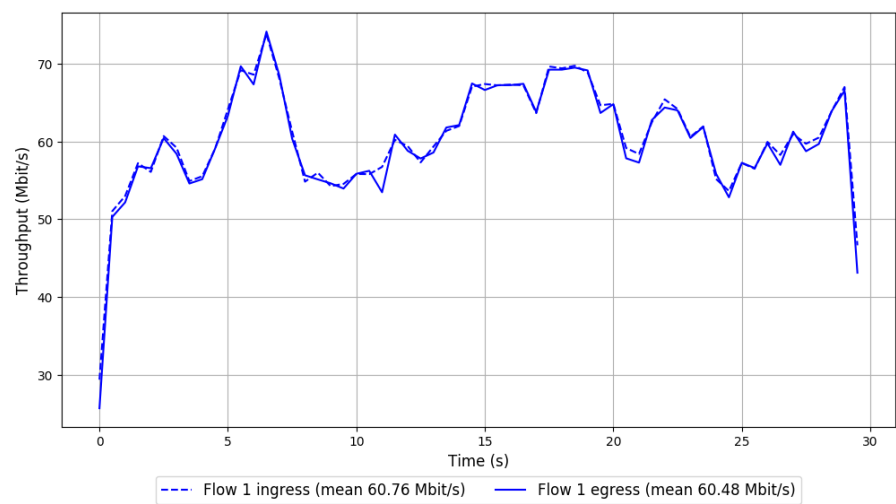
-- Flow 1:

Average throughput: 60.48 Mbit/s

95th percentile per-packet one-way delay: 31.734 ms

Loss rate: 0.65%

Run 2: Report of Indigo-1-128 — Data Link



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-25 06:24:43

End at: 2018-01-25 06:25:13

Local clock offset: 1.616 ms

Remote clock offset: 0.177 ms

# Below is generated by plot.py at 2018-01-25 13:10:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.18 Mbit/s

95th percentile per-packet one-way delay: 31.430 ms

Loss rate: 0.49%

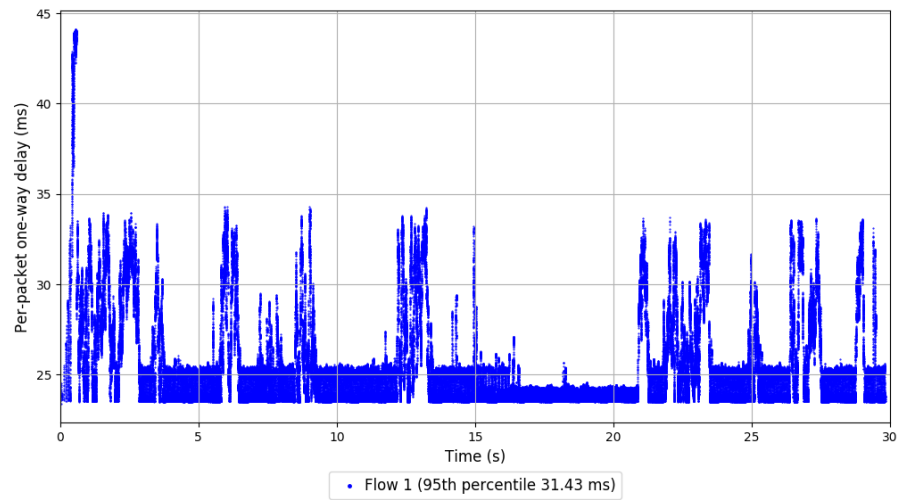
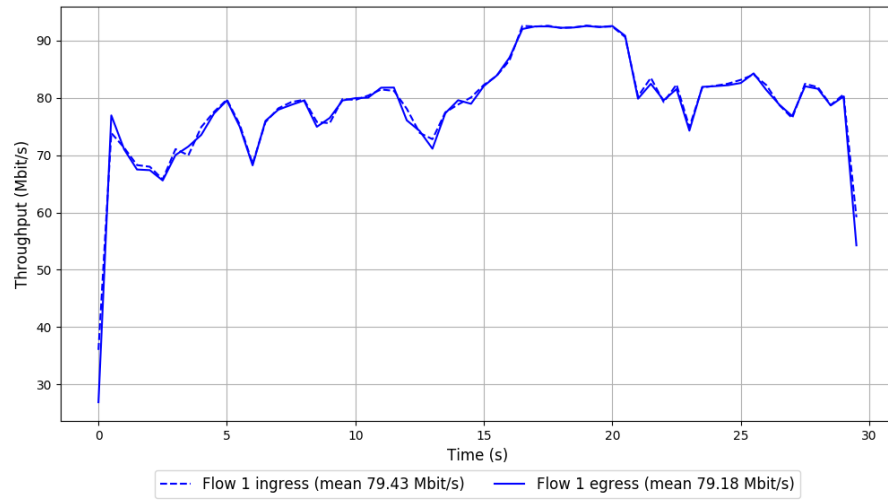
-- Flow 1:

Average throughput: 79.18 Mbit/s

95th percentile per-packet one-way delay: 31.430 ms

Loss rate: 0.49%

### Run 3: Report of Indigo-1-128 — Data Link



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-25 06:45:54

End at: 2018-01-25 06:46:24

Local clock offset: 1.683 ms

Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-01-25 13:10:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.70 Mbit/s

95th percentile per-packet one-way delay: 32.231 ms

Loss rate: 1.87%

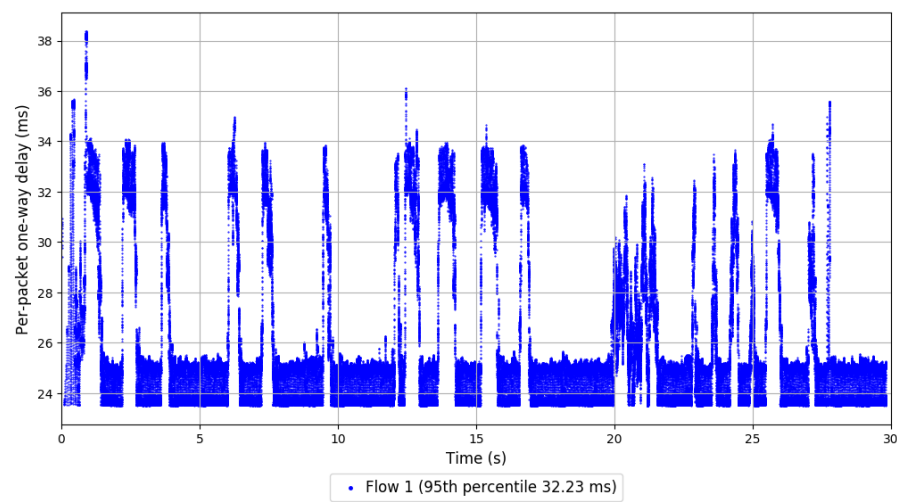
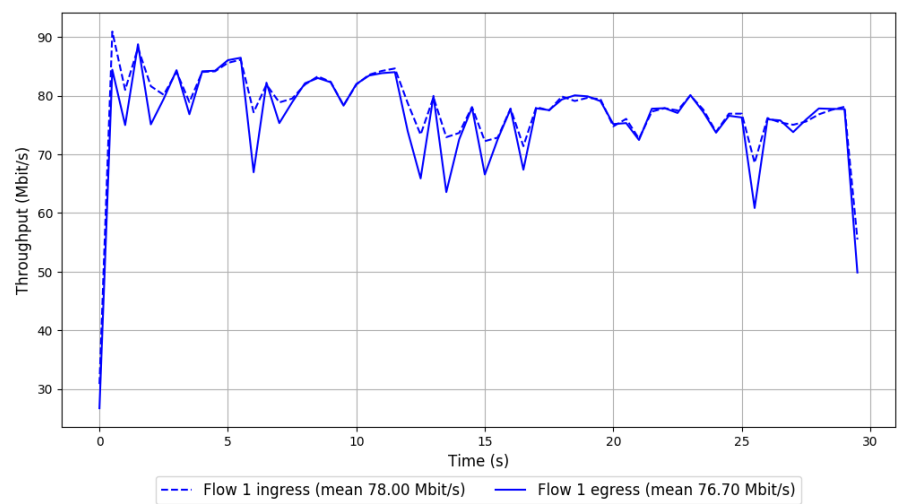
-- Flow 1:

Average throughput: 76.70 Mbit/s

95th percentile per-packet one-way delay: 32.231 ms

Loss rate: 1.87%

Run 4: Report of Indigo-1-128 — Data Link



Run 5: Statistics of Indigo-1-128

Start at: 2018-01-25 07:07:13

End at: 2018-01-25 07:07:43

Local clock offset: 1.676 ms

Remote clock offset: 0.108 ms

# Below is generated by plot.py at 2018-01-25 13:10:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 30.208 ms

Loss rate: 0.31%

-- Flow 1:

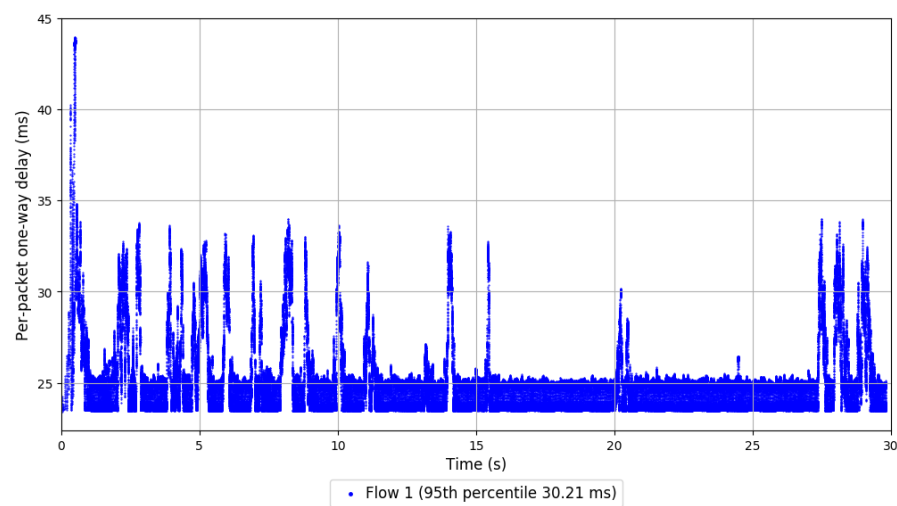
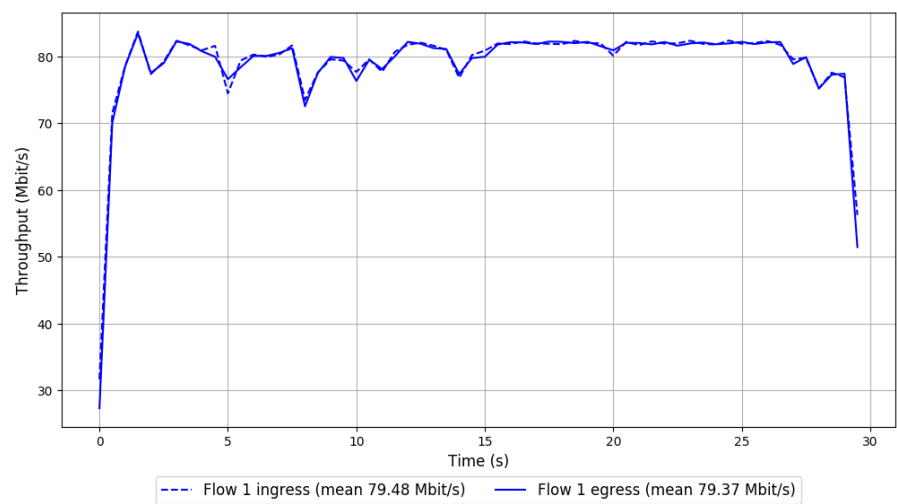
Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 30.208 ms

Loss rate: 0.31%



Run 5: Report of Indigo-1-128 — Data Link



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-25 07:28:38

End at: 2018-01-25 07:29:08

Local clock offset: 1.811 ms

Remote clock offset: 0.259 ms

# Below is generated by plot.py at 2018-01-25 13:10:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 26.144 ms

Loss rate: 0.21%

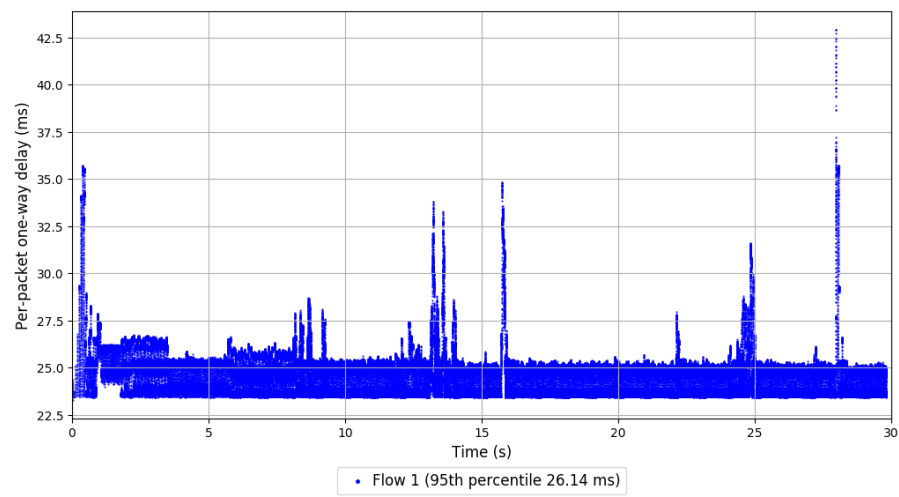
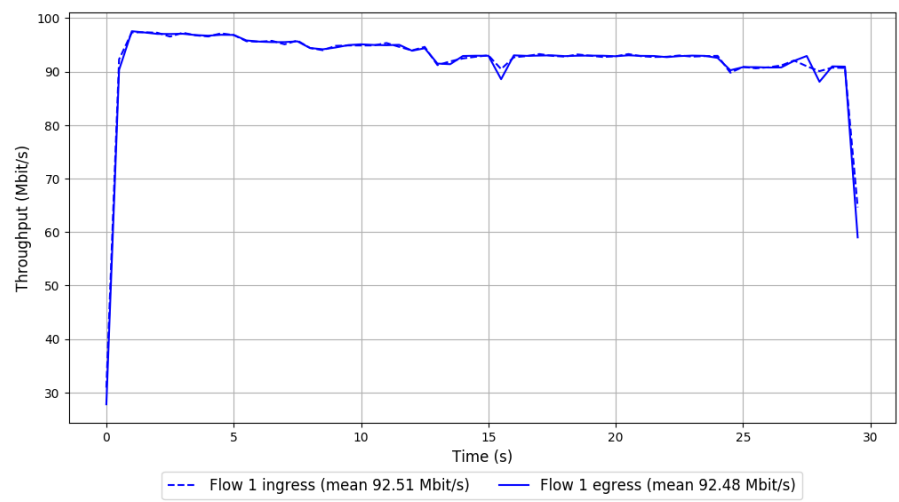
-- Flow 1:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 26.144 ms

Loss rate: 0.21%

Run 6: Report of Indigo-1-128 — Data Link



Run 7: Statistics of Indigo-1-128

Start at: 2018-01-25 07:49:57

End at: 2018-01-25 07:50:27

Local clock offset: 1.907 ms

Remote clock offset: 0.716 ms

# Below is generated by plot.py at 2018-01-25 13:10:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.85 Mbit/s

95th percentile per-packet one-way delay: 29.051 ms

Loss rate: 0.26%

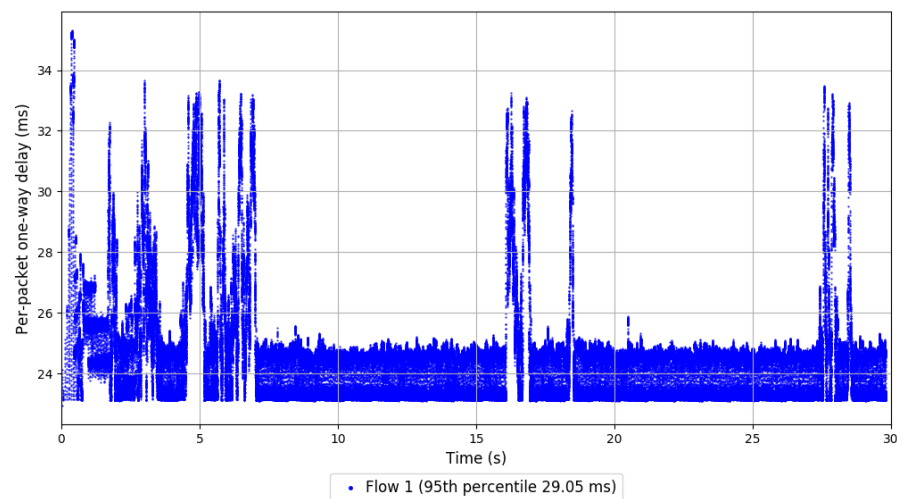
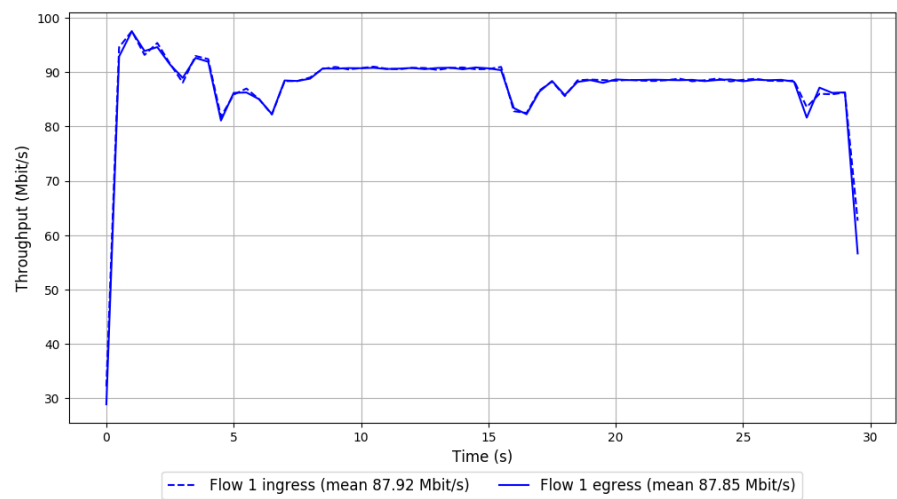
-- Flow 1:

Average throughput: 87.85 Mbit/s

95th percentile per-packet one-way delay: 29.051 ms

Loss rate: 0.26%

Run 7: Report of Indigo-1-128 — Data Link



Run 8: Statistics of Indigo-1-128

Start at: 2018-01-25 08:11:18

End at: 2018-01-25 08:11:48

Local clock offset: 1.902 ms

Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-01-25 13:11:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 25.530 ms

Loss rate: 0.19%

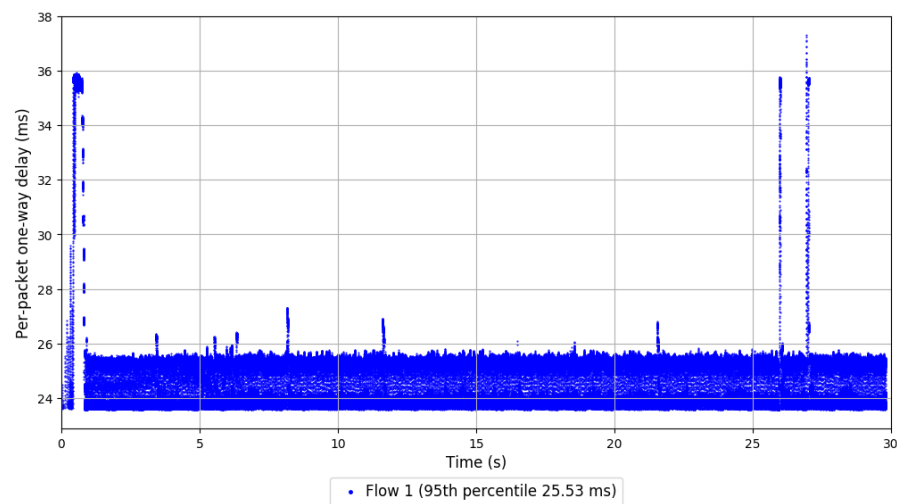
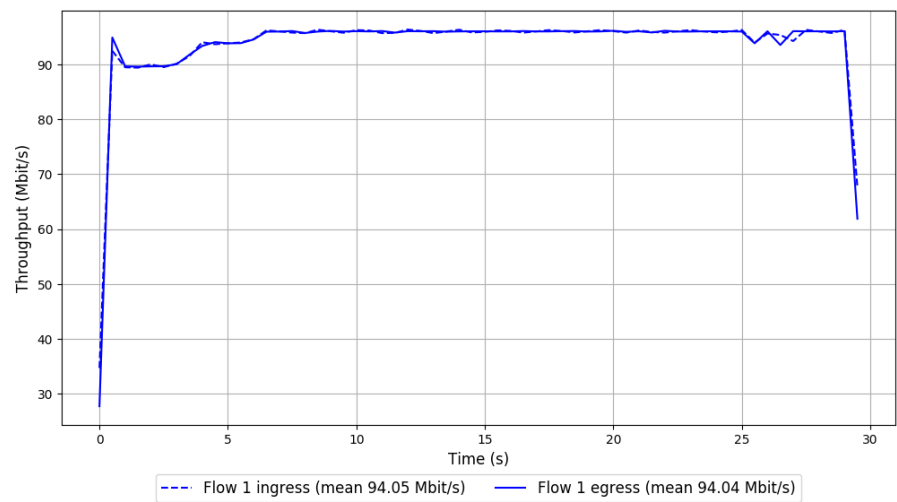
-- Flow 1:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 25.530 ms

Loss rate: 0.19%

Run 8: Report of Indigo-1-128 — Data Link



Run 9: Statistics of Indigo-1-128

Start at: 2018-01-25 08:32:36

End at: 2018-01-25 08:33:06

Local clock offset: 1.858 ms

Remote clock offset: -1.965 ms

# Below is generated by plot.py at 2018-01-25 13:11:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 27.724 ms

Loss rate: 0.20%

-- Flow 1:

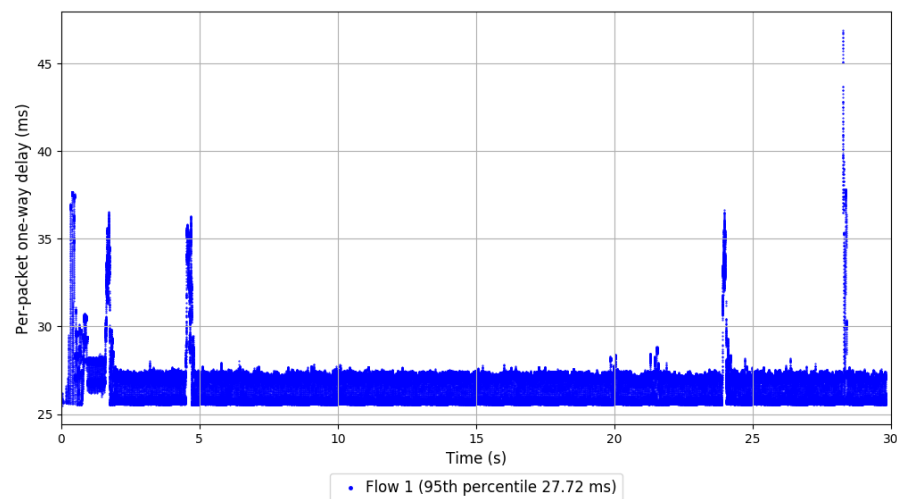
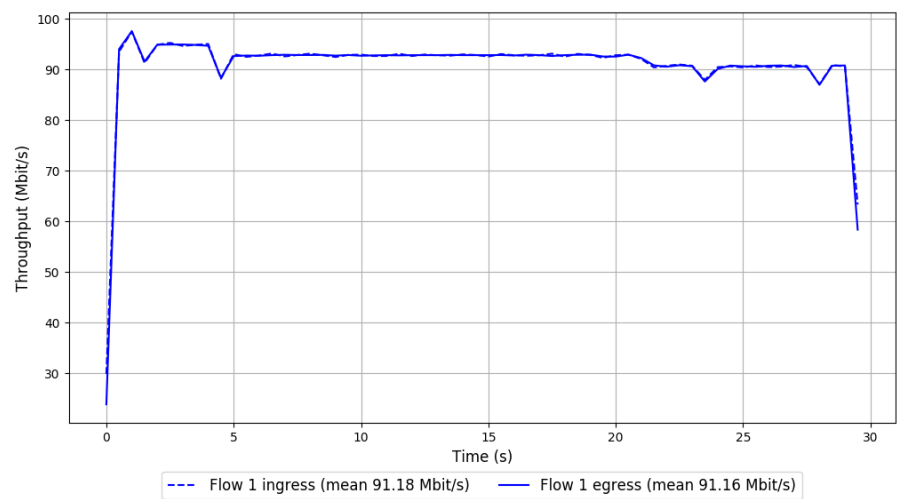
Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 27.724 ms

Loss rate: 0.20%



Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-25 08:53:59

End at: 2018-01-25 08:54:29

Local clock offset: 1.908 ms

Remote clock offset: -2.096 ms

# Below is generated by plot.py at 2018-01-25 13:11:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 29.468 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 29.468 ms

Loss rate: 0.22%

Run 10: Report of Indigo-1-128 — Data Link

