Pantheon Report

Generated at 2018-01-02 04:08:53 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

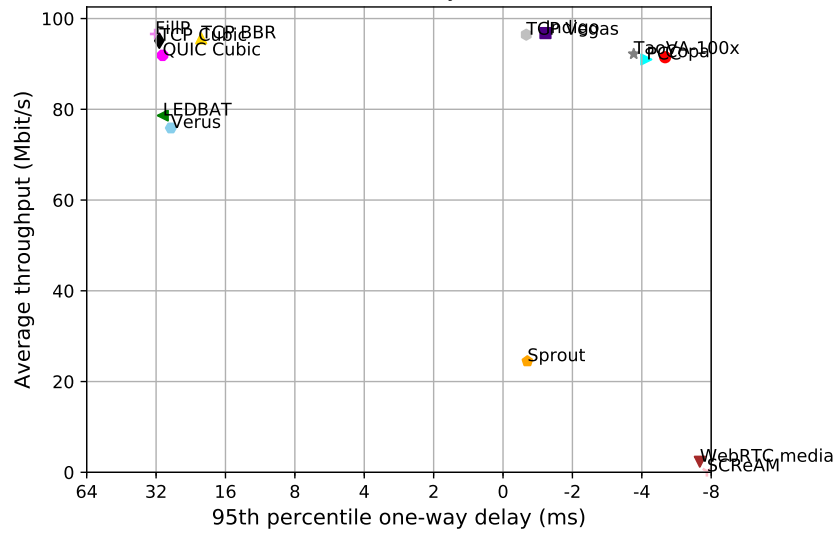Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (`fq`), and other schemes with the default Linux qdisc (`pfifo_fast`).

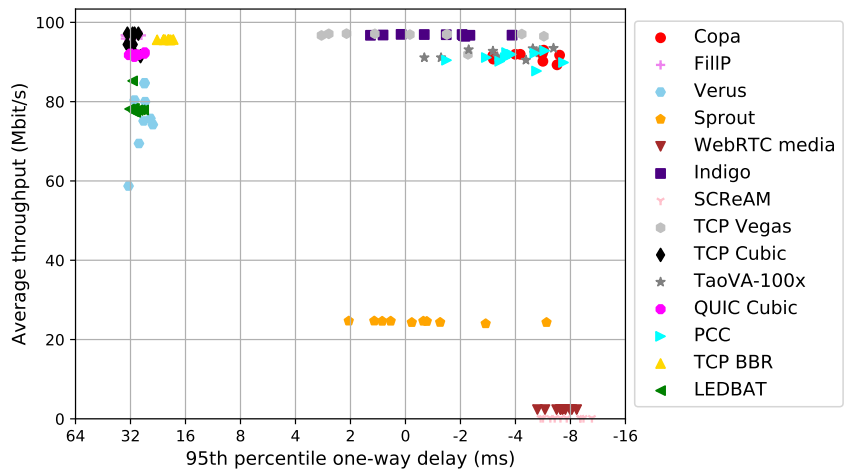NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

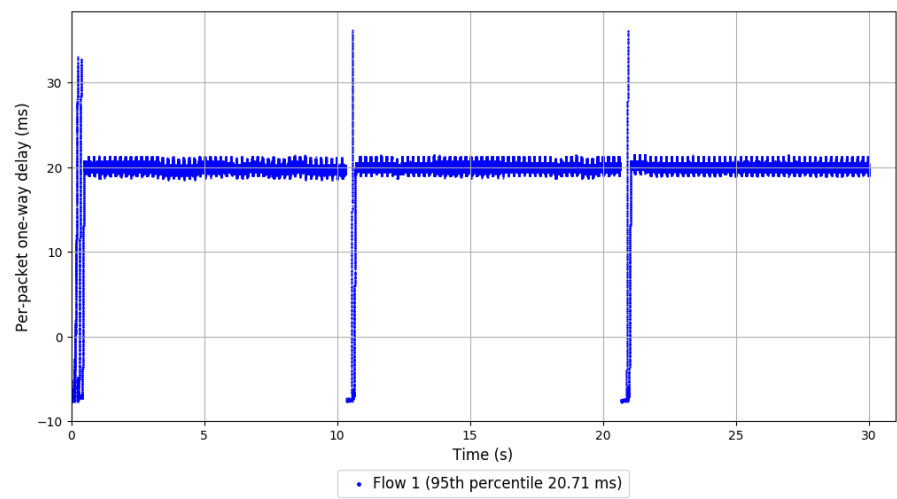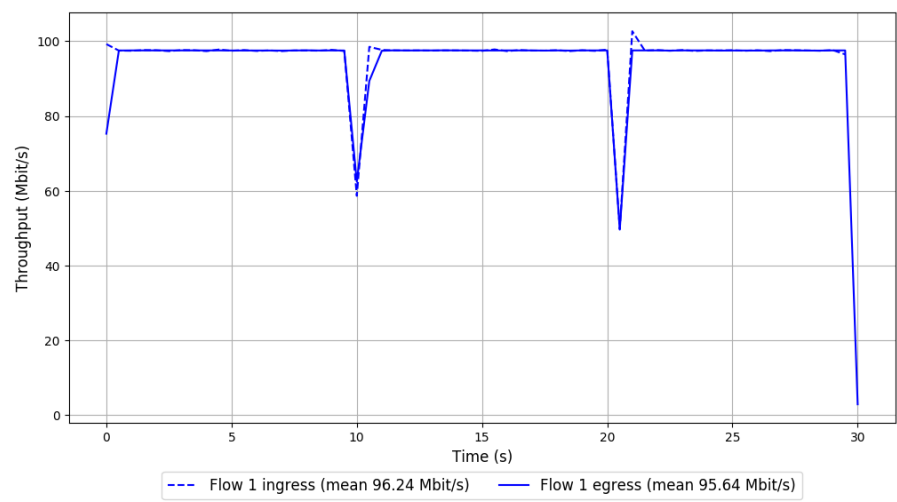test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme

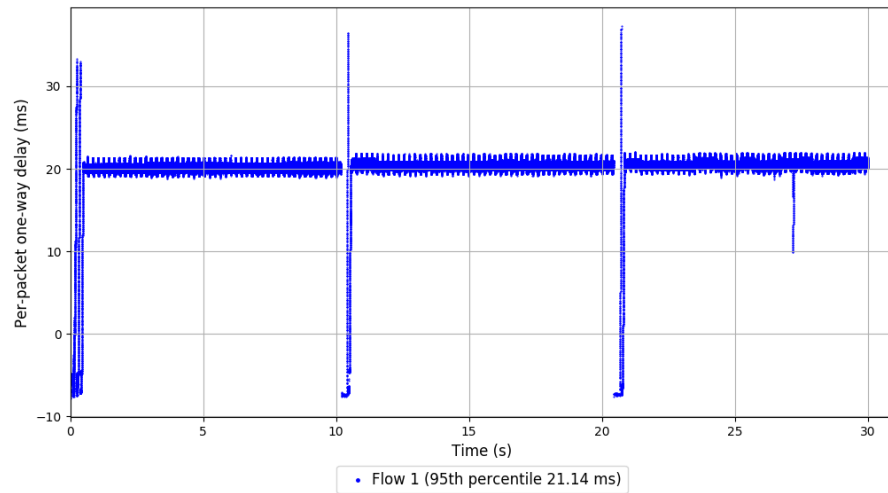| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.63	20.39	0.53
TCP Cubic	9	95.10	30.99	0.41
LEDBAT	10	78.63	29.94	0.18
PCC	10	90.98	-4.19	0.27
QUIC Cubic	9	91.89	29.99	0.61
SCReAM	10	0.21	-7.66	0.00
WebRTC media	10	2.33	-7.14	0.00
Sprout	10	24.49	-0.70	0.00
TaoVA-100x	10	92.20	-3.69	0.00
TCP Vegas	10	96.44	-0.67	0.09
Verus	9	75.89	27.60	22.35
Copa	10	91.48	-5.05	0.00
FillP	9	96.60	32.31	21.20
Indigo	10	96.79	-1.22	0.02

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-02 00:32:02
End at: 2018-01-02 00:32:32
Local clock offset: -5.917 ms
Remote clock offset: -9.872 ms


# Below is generated by plot.py at 2018-01-02 03:48:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 20.711 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 20.711 ms
Loss rate: 0.53%
```
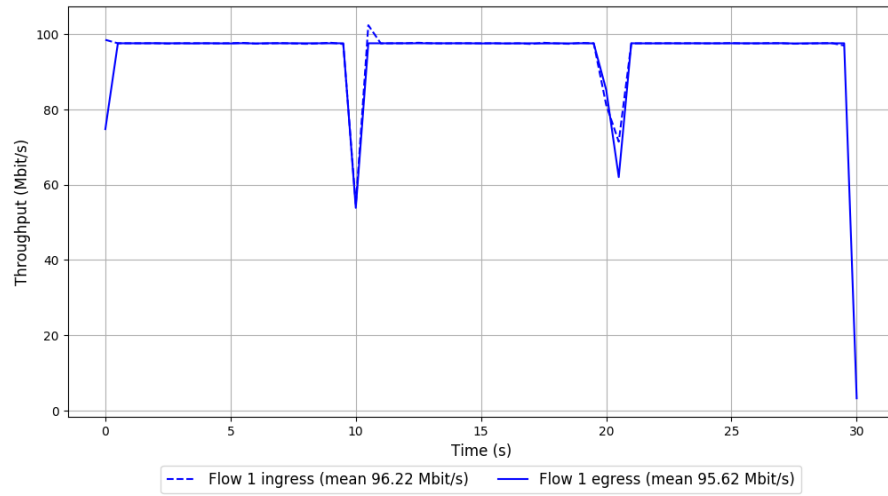
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-01-02 00:49:20
End at: 2018-01-02 00:49:50
Local clock offset: -5.413 ms
Remote clock offset: -10.156 ms

# Below is generated by plot.py at 2018-01-02 03:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 21.136 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 21.136 ms
Loss rate: 0.53%
```

Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.22 Mbit/s)   Flow 1 egress (mean 95.62 Mbit/s)
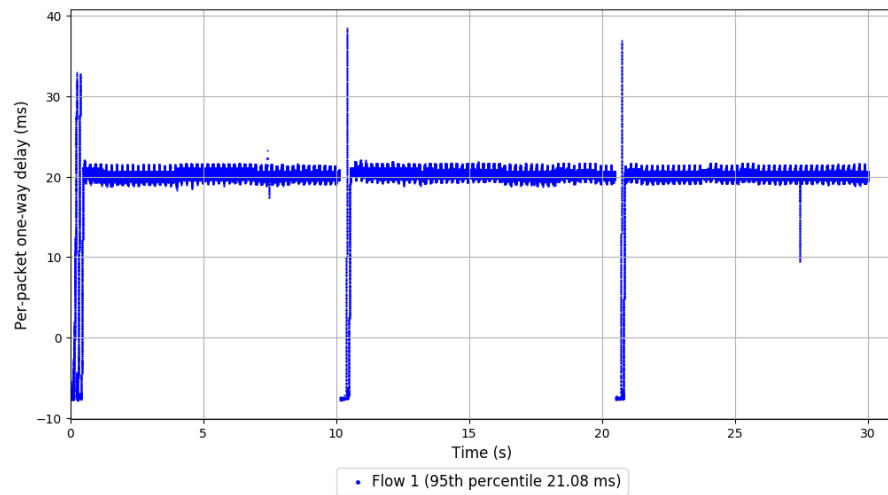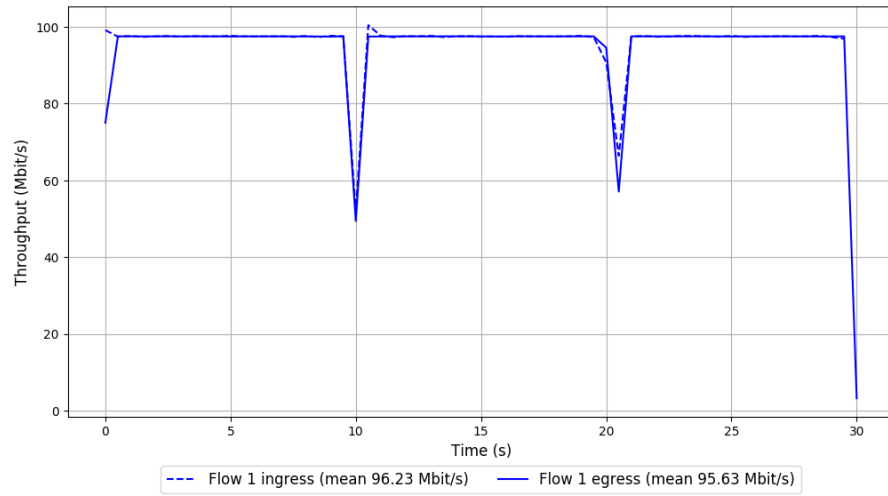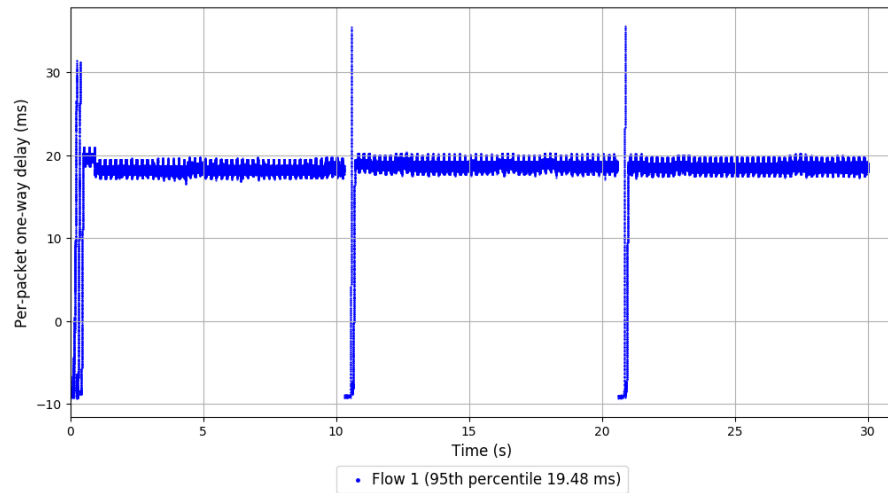

Flow 1 (95th percentile 21.14 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-01-02 01:06:40
End at: 2018-01-02 01:07:10
Local clock offset: -1.157 ms
Remote clock offset: -9.765 ms


# Below is generated by plot.py at 2018-01-02 03:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 21.083 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 21.083 ms
Loss rate: 0.54%
```

Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.23 Mbit/s) ----   Flow 1 egress (mean 95.63 Mbit/s) ——
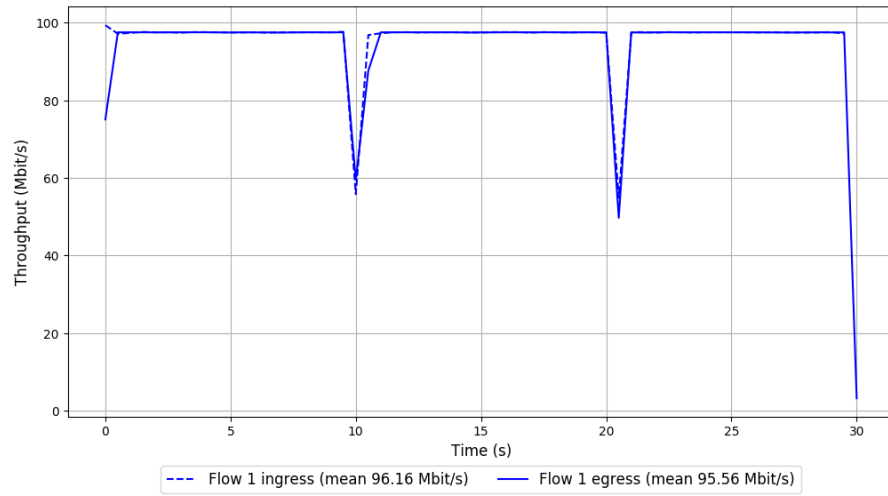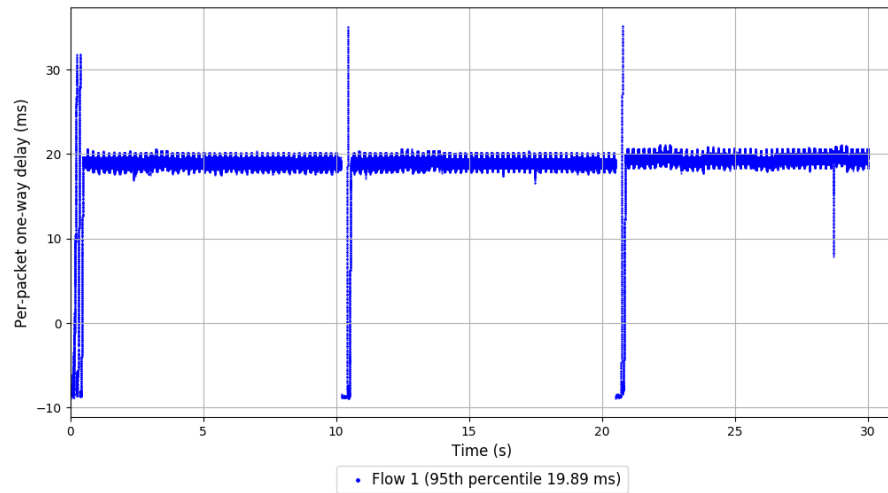

• Flow 1 (95th percentile 21.08 ms)

9

```
Run 4: Statistics of TCP BBR

Start at: 2018-01-02 01:24:17
End at: 2018-01-02 01:24:47
Local clock offset: 0.8 ms
Remote clock offset: -10.305 ms


# Below is generated by plot.py at 2018-01-02 03:48:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 19.478 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 19.478 ms
Loss rate: 0.54%
```

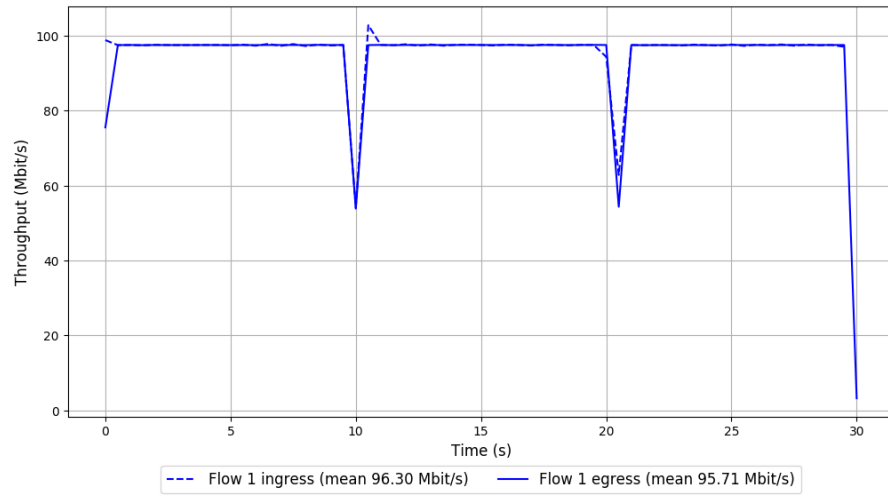Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2018-01-02 01:42:00
End at: 2018-01-02 01:42:30
Local clock offset: 2.001 ms
Remote clock offset: -8.629 ms


# Below is generated by plot.py at 2018-01-02 03:48:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 19.891 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 19.891 ms
Loss rate: 0.53%
```
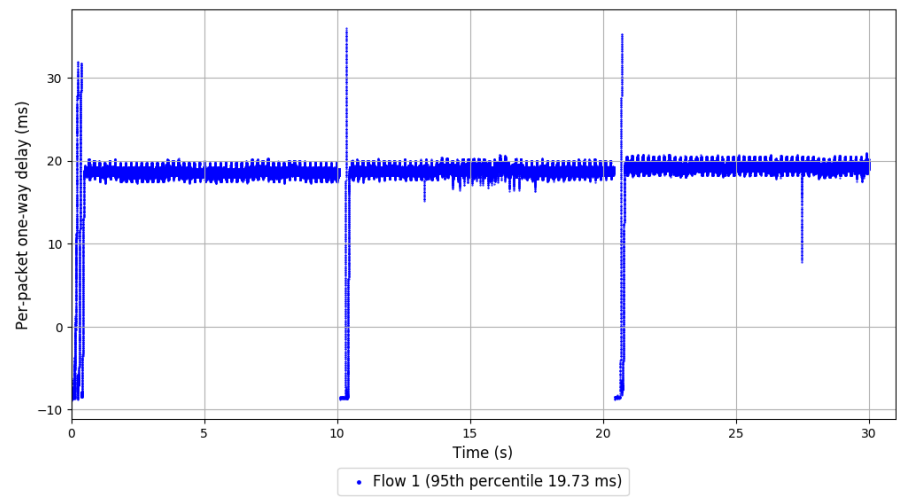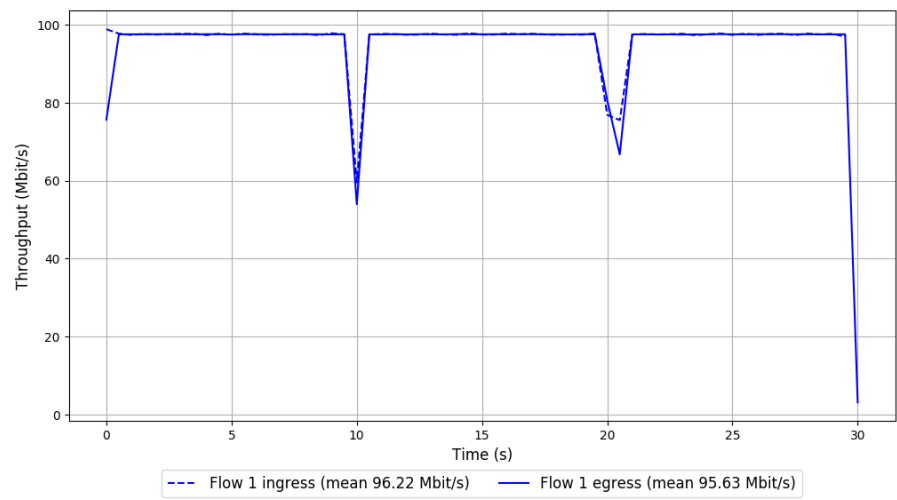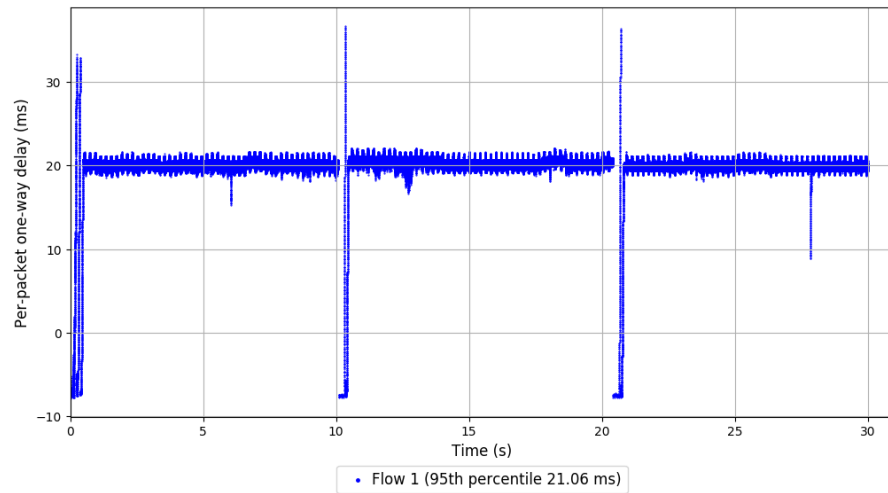
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.30 Mbit/s)   Flow 1 egress (mean 95.71 Mbit/s)

Flow 1 (95th percentile 19.89 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-01-02 01:59:39
End at: 2018-01-02 02:00:09
Local clock offset: 1.772 ms
Remote clock offset: -8.38 ms


# Below is generated by plot.py at 2018-01-02 03:48:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 19.730 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 19.730 ms
Loss rate: 0.53%
```

Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.22 Mbit/s) ——— Flow 1 egress (mean 95.63 Mbit/s)
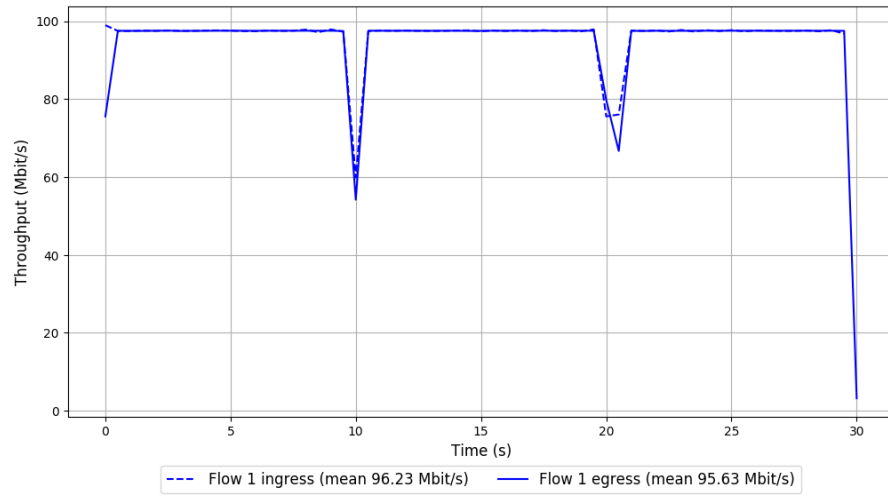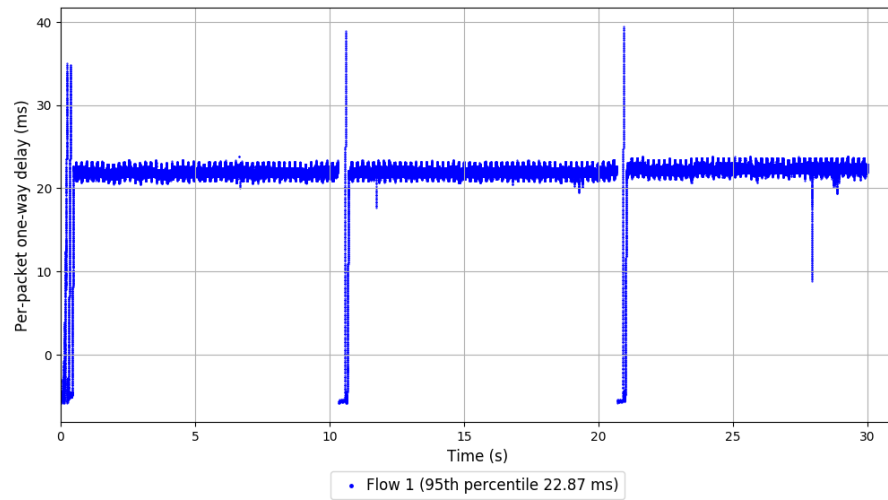

• Flow 1 (95th percentile 19.73 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-01-02 02:17:24
End at: 2018-01-02 02:17:54
Local clock offset: -0.561 ms
Remote clock offset: -9.882 ms


# Below is generated by plot.py at 2018-01-02 03:48:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 21.058 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 21.058 ms
Loss rate: 0.53%
```

Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.23 Mbit/s) --- Flow 1 egress (mean 95.63 Mbit/s)
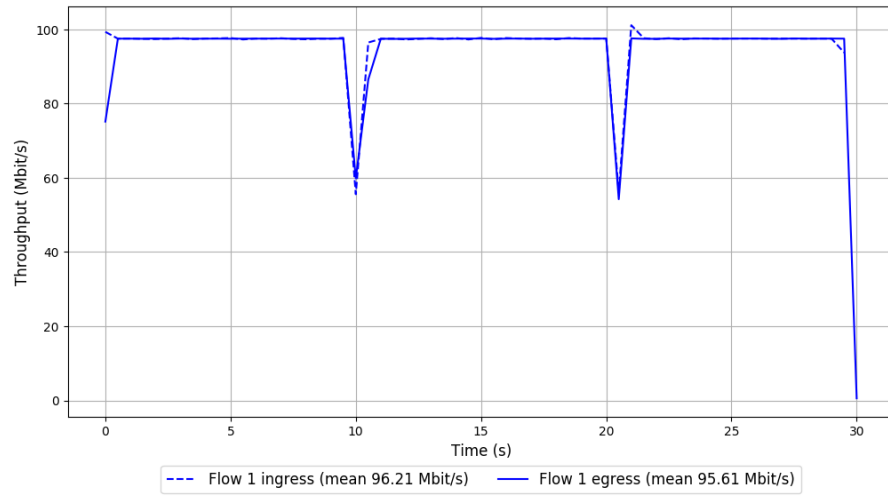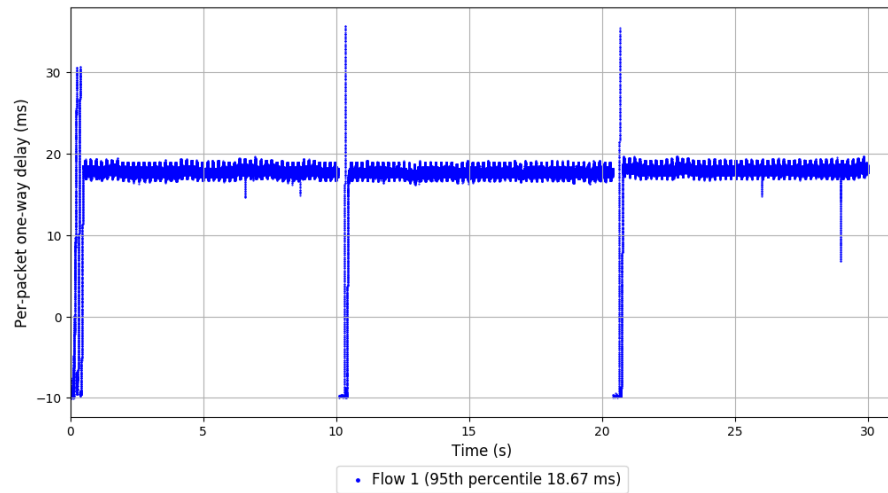

Flow 1 (95th percentile 21.06 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2018-01-02 02:35:05
End at: 2018-01-02 02:35:35
Local clock offset: -0.879 ms
Remote clock offset: -8.212 ms


# Below is generated by plot.py at 2018-01-02 03:48:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 22.870 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 22.870 ms
Loss rate: 0.53%
```

Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.21 Mbit/s)   Flow 1 egress (mean 95.61 Mbit/s)
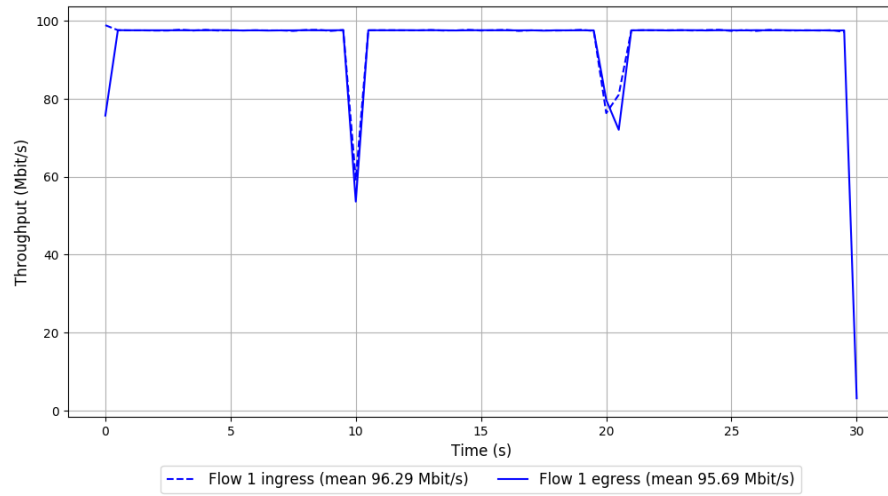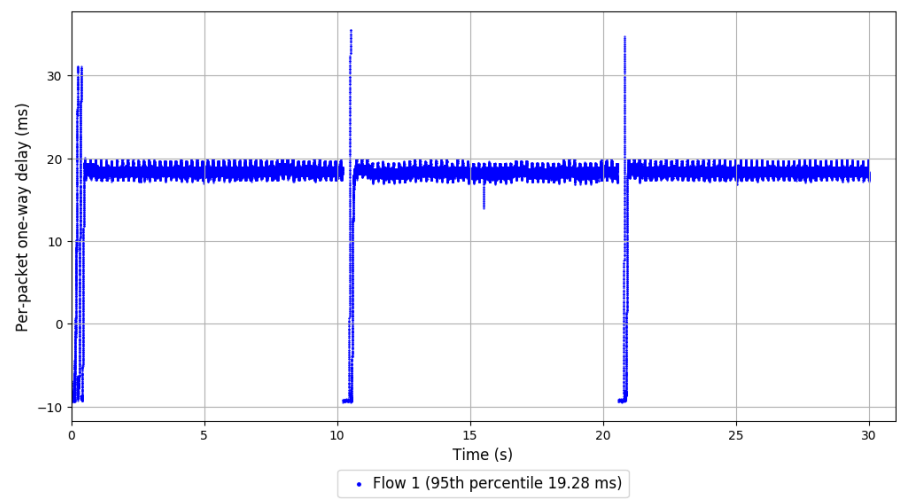

Flow 1 (95th percentile 22.87 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-01-02 02:52:50
End at: 2018-01-02 02:53:20
Local clock offset: 0.791 ms
Remote clock offset: -10.656 ms

# Below is generated by plot.py at 2018-01-02 03:49:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 18.672 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 18.672 ms
Loss rate: 0.53%
```

Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.29 Mbit/s) --- Flow 1 egress (mean 95.69 Mbit/s)
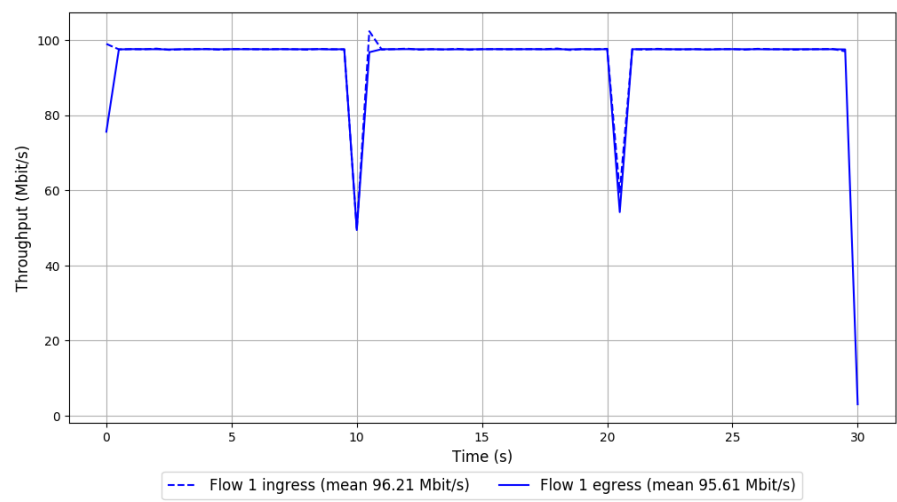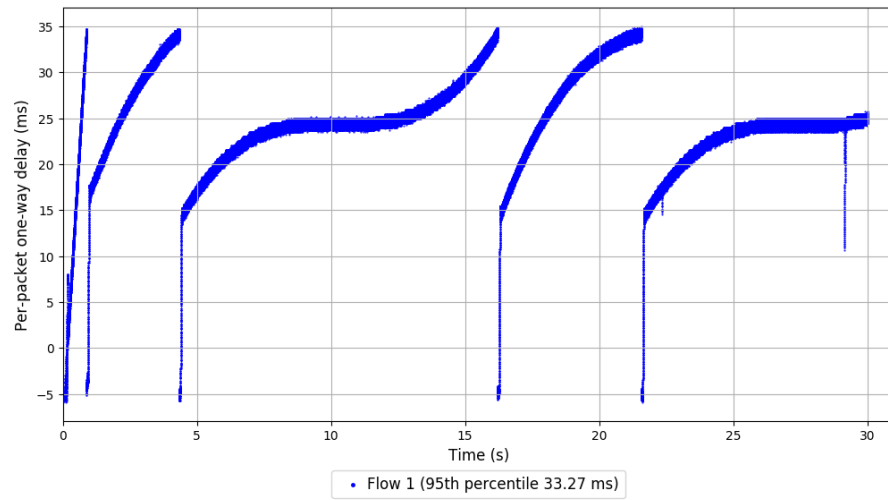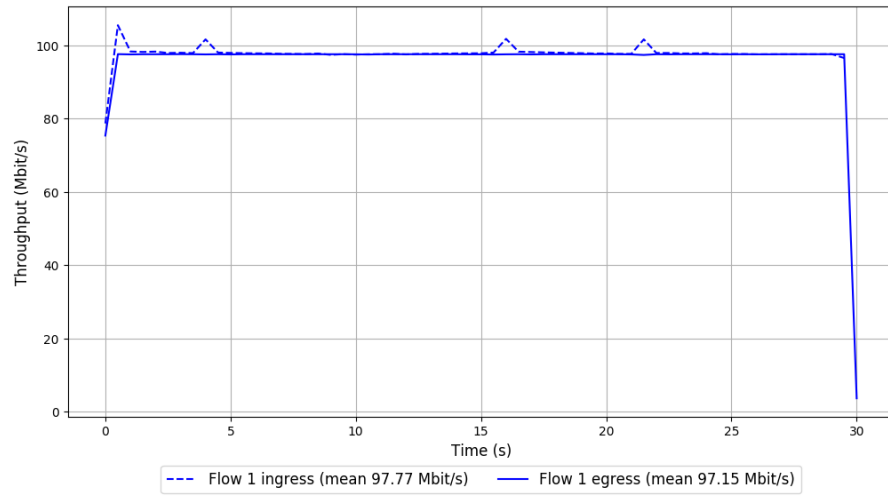

Flow 1 (95th percentile 18.67 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-01-02 03:10:29
End at: 2018-01-02 03:10:59
Local clock offset: 1.919 ms
Remote clock offset: -9.146 ms


# Below is generated by plot.py at 2018-01-02 03:49:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.53%
```
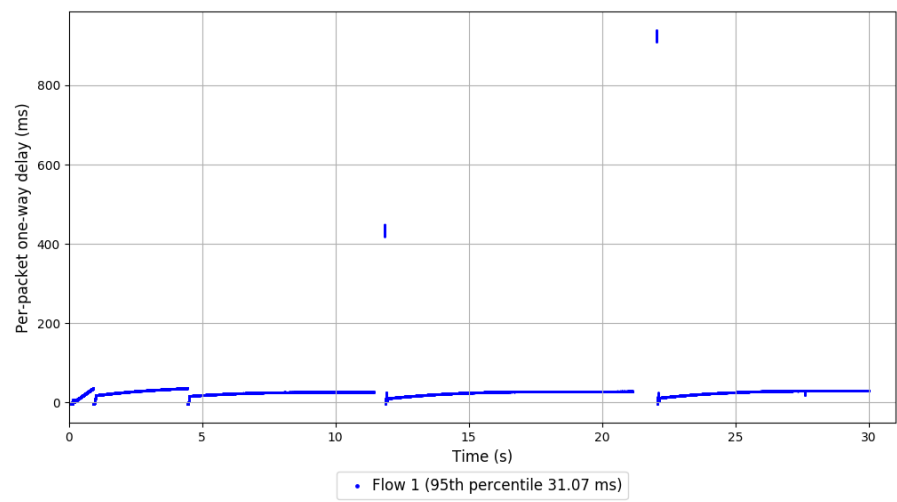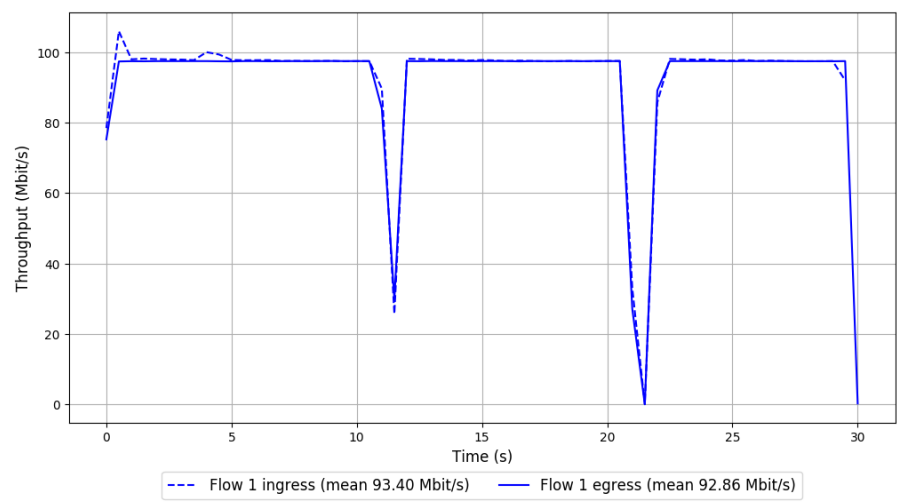
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.21 Mbit/s)   Flow 1 egress (mean 95.61 Mbit/s)

Flow 1 (95th percentile 19.28 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-02 00:42:23
End at: 2018-01-02 00:42:54
Local clock offset: -8.304 ms
Remote clock offset: -10.588 ms


# Below is generated by plot.py at 2018-01-02 03:49:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 0.53%
```

Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.77 Mbit/s) --- Flow 1 egress (mean 97.15 Mbit/s)

Flow 1 (95th percentile 33.27 ms)

```
Run 2: Statistics of TCP Cubic

Start at: 2018-01-02 00:59:45
End at: 2018-01-02 01:00:15
Local clock offset: -4.818 ms
Remote clock offset: -8.207 ms


# Below is generated by plot.py at 2018-01-02 03:49:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 31.066 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 31.066 ms
Loss rate: 0.46%
```
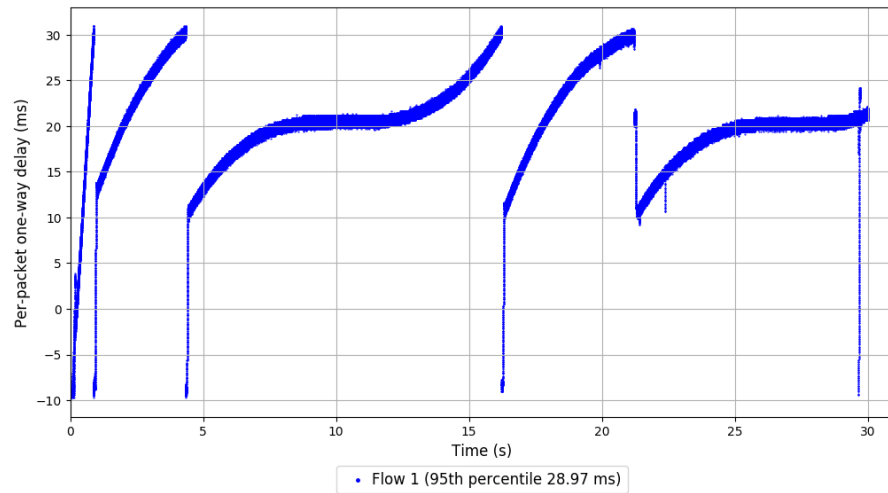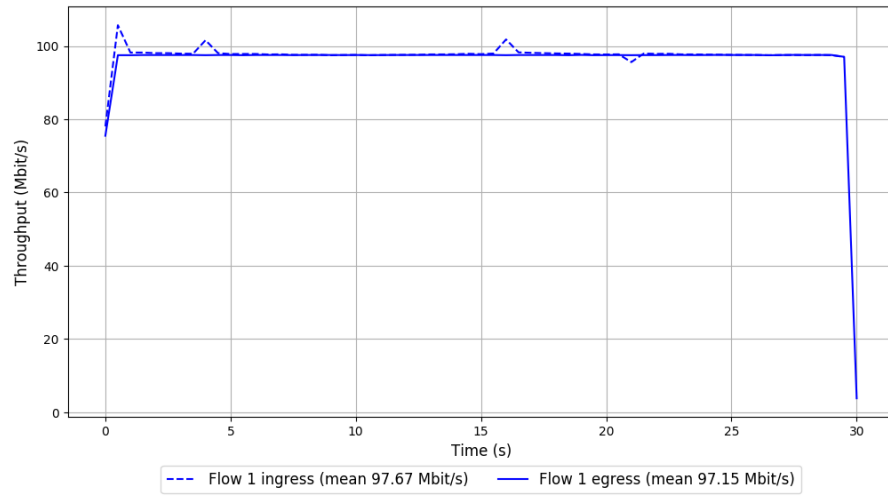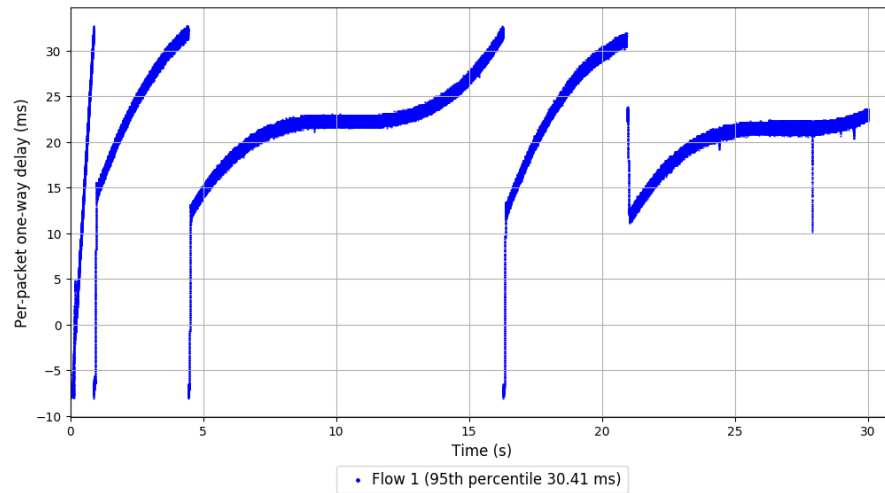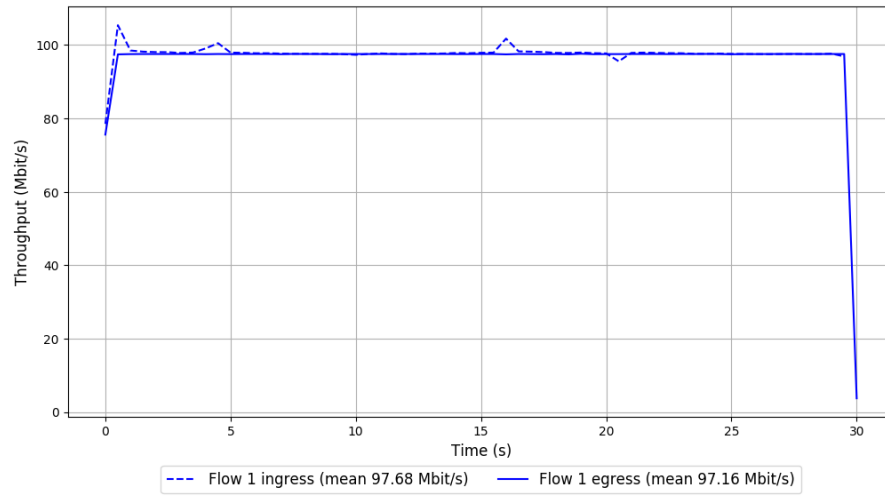
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 93.40 Mbit/s) ----   Flow 1 egress (mean 92.86 Mbit/s) ——

• Flow 1 (95th percentile 31.07 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2018-01-02 01:17:08
End at: 2018-01-02 01:17:38
Local clock offset: 0.906 ms
Remote clock offset: -10.0 ms


# Below is generated by plot.py at 2018-01-02 03:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 28.973 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 28.973 ms
Loss rate: 0.43%
```
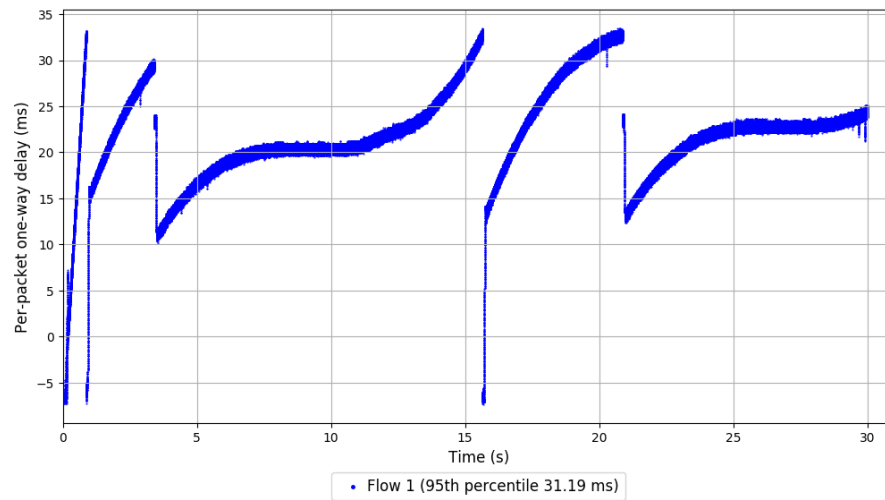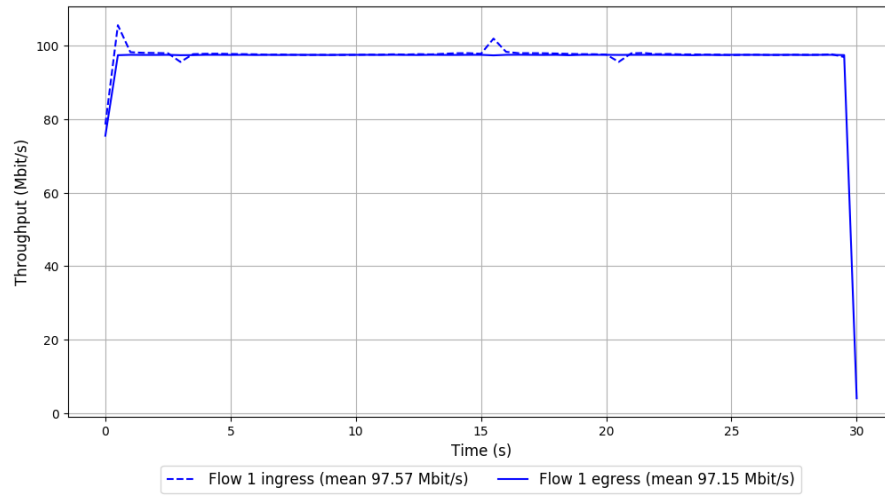
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.67 Mbit/s)   Flow 1 egress (mean 97.15 Mbit/s)

Flow 1 (95th percentile 28.97 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-01-02 01:34:56
End at: 2018-01-02 01:35:26
Local clock offset: 0.913 ms
Remote clock offset: -9.145 ms


# Below is generated by plot.py at 2018-01-02 03:49:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 30.412 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 30.412 ms
Loss rate: 0.43%
```
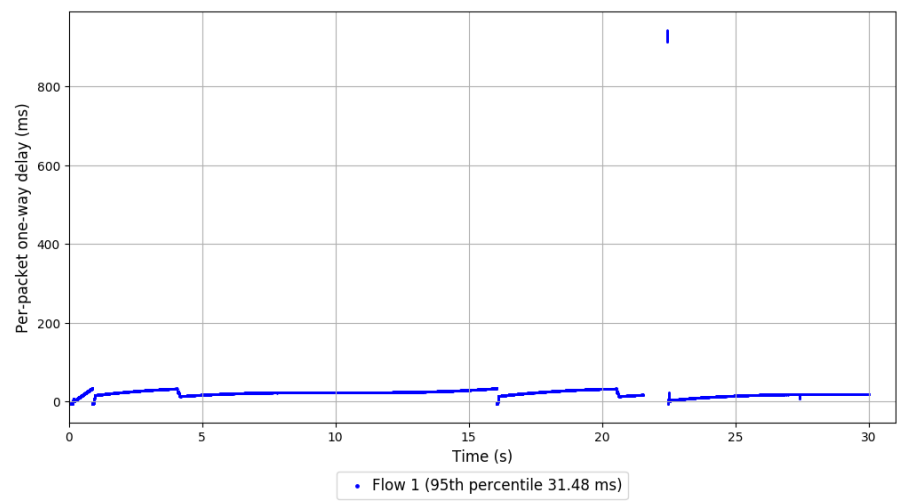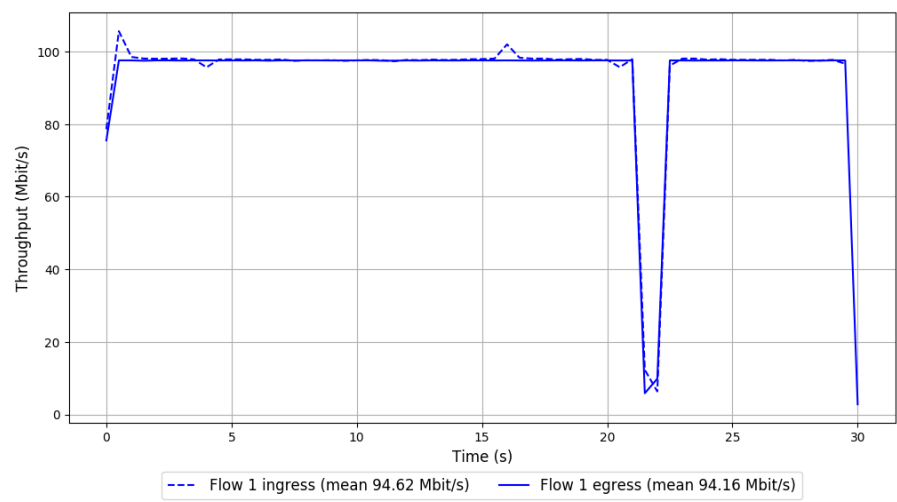
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.68 Mbit/s)   Flow 1 egress (mean 97.16 Mbit/s)

Flow 1 (95th percentile 30.41 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-01-02 01:52:34
End at: 2018-01-02 01:53:04
Local clock offset: 1.463 ms
Remote clock offset: -7.282 ms


# Below is generated by plot.py at 2018-01-02 03:49:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.32%
```
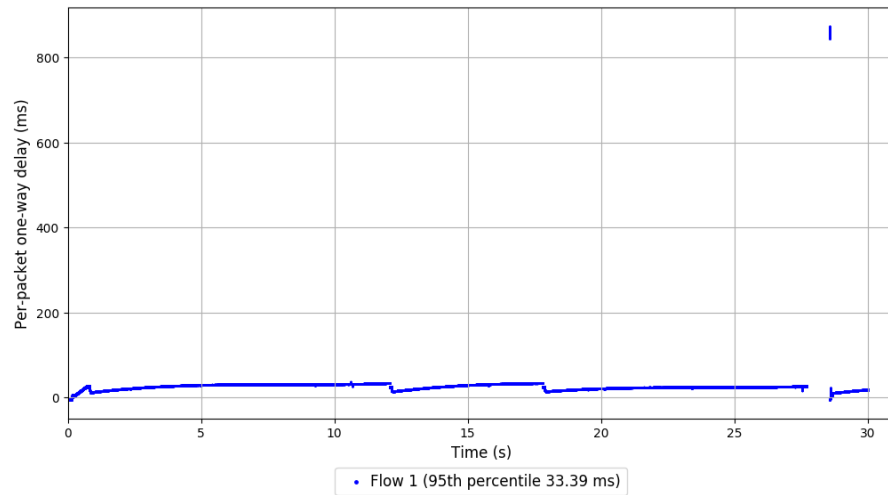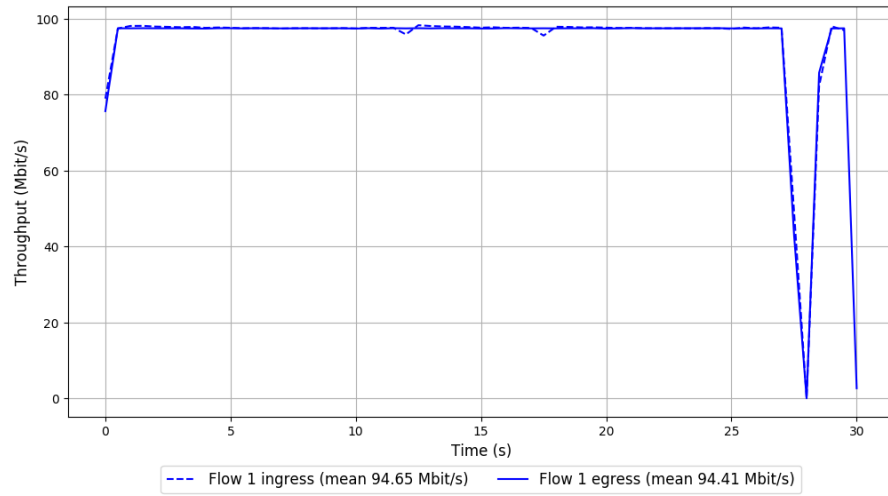
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2018-01-02 02:10:09
End at: 2018-01-02 02:10:39
Local clock offset: 0.81 ms
Remote clock offset: -7.205 ms


# Below is generated by plot.py at 2018-01-02 03:49:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 31.477 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 31.477 ms
Loss rate: 0.40%
```
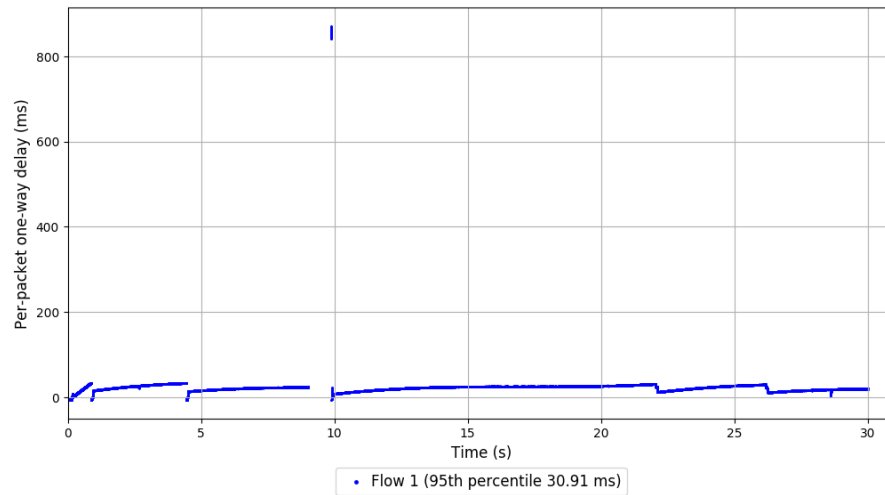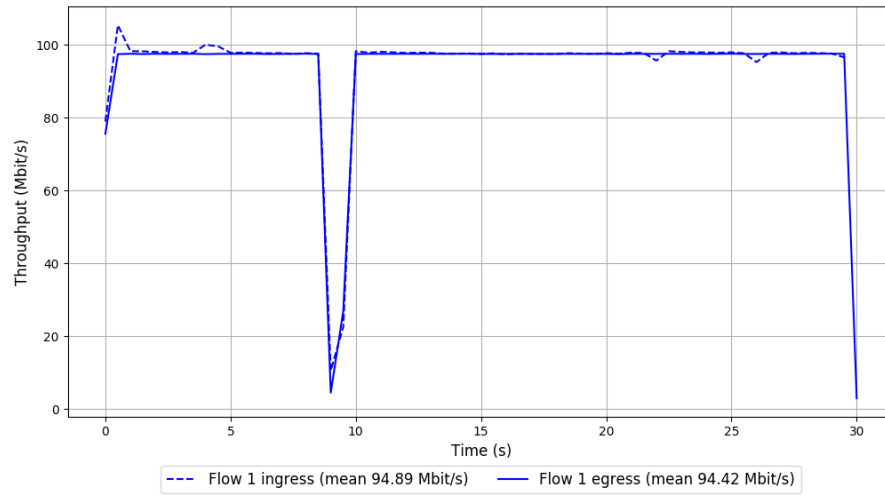
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 94.62 Mbit/s)   Flow 1 egress (mean 94.16 Mbit/s)

Flow 1 (95th percentile 31.48 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-01-02 02:28:00
End at: 2018-01-02 02:28:30
Local clock offset: -2.464 ms
Remote clock offset: -9.749 ms


# Below is generated by plot.py at 2018-01-02 03:51:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 33.391 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 33.391 ms
Loss rate: 0.17%
```
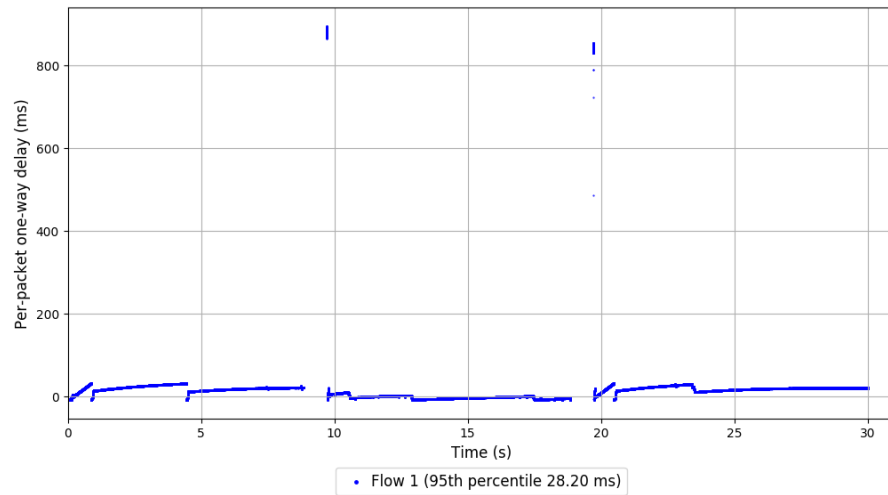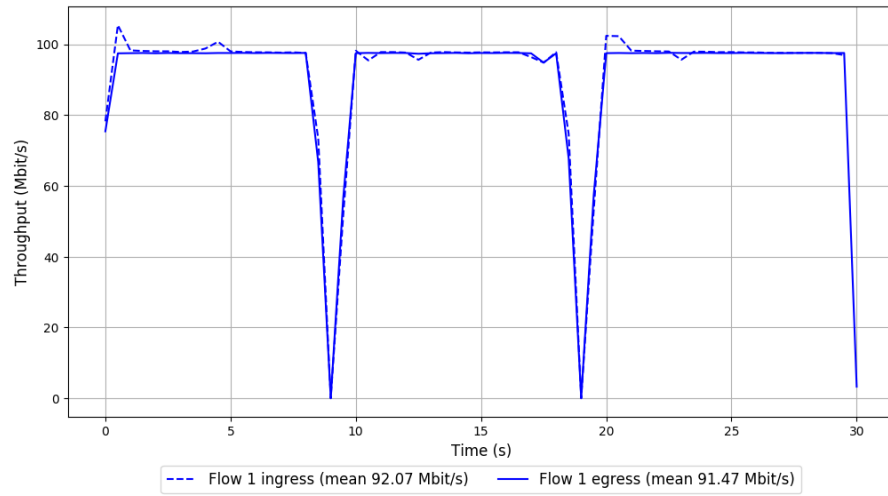
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 94.65 Mbit/s)   Flow 1 egress (mean 94.41 Mbit/s)

Flow 1 (95th percentile 33.39 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-01-02 02:45:46
End at: 2018-01-02 02:46:16
Local clock offset: -1.665 ms
Remote clock offset: -9.013 ms


# Below is generated by plot.py at 2018-01-02 03:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 30.907 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 30.907 ms
Loss rate: 0.41%
```

Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 94.89 Mbit/s)   Flow 1 egress (mean 94.42 Mbit/s)

• Flow 1 (95th percentile 30.91 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-01-02 03:03:29
End at: 2018-01-02 03:03:59
Local clock offset: 1.71 ms
Remote clock offset: -8.858 ms


# Below is generated by plot.py at 2018-01-02 03:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 28.203 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 28.203 ms
Loss rate: 0.56%
```
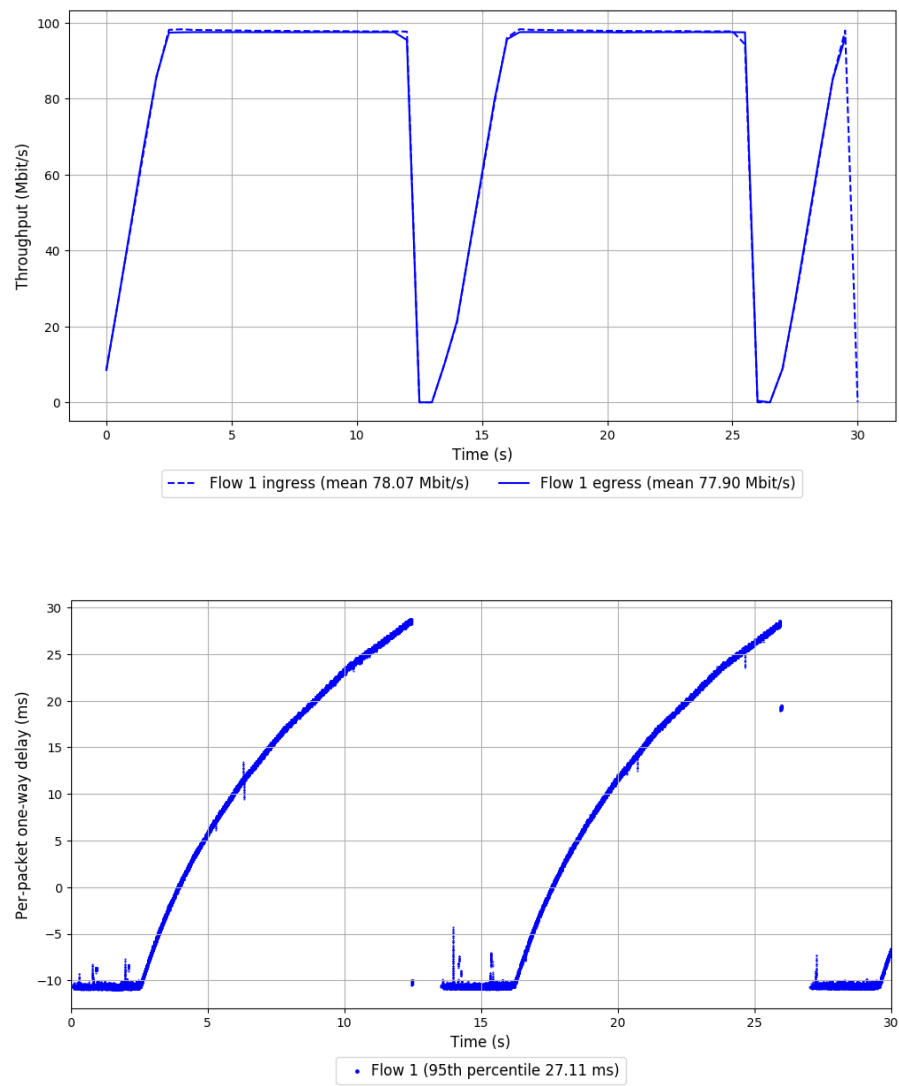
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 92.07 Mbit/s)   Flow 1 egress (mean 91.47 Mbit/s)

Flow 1 (95th percentile 28.20 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-01-02 03:21:08
End at: 2018-01-02 03:21:38
Local clock offset: -2.788 ms
Remote clock offset: -8.916 ms
```

Run 10: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

```
Run 1: Statistics of LEDBAT

Start at: 2018-01-02 00:35:32
End at: 2018-01-02 00:36:02
Local clock offset: -5.913 ms
Remote clock offset: -10.957 ms

# Below is generated by plot.py at 2018-01-02 03:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 29.098 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 29.098 ms
Loss rate: 0.20%
```

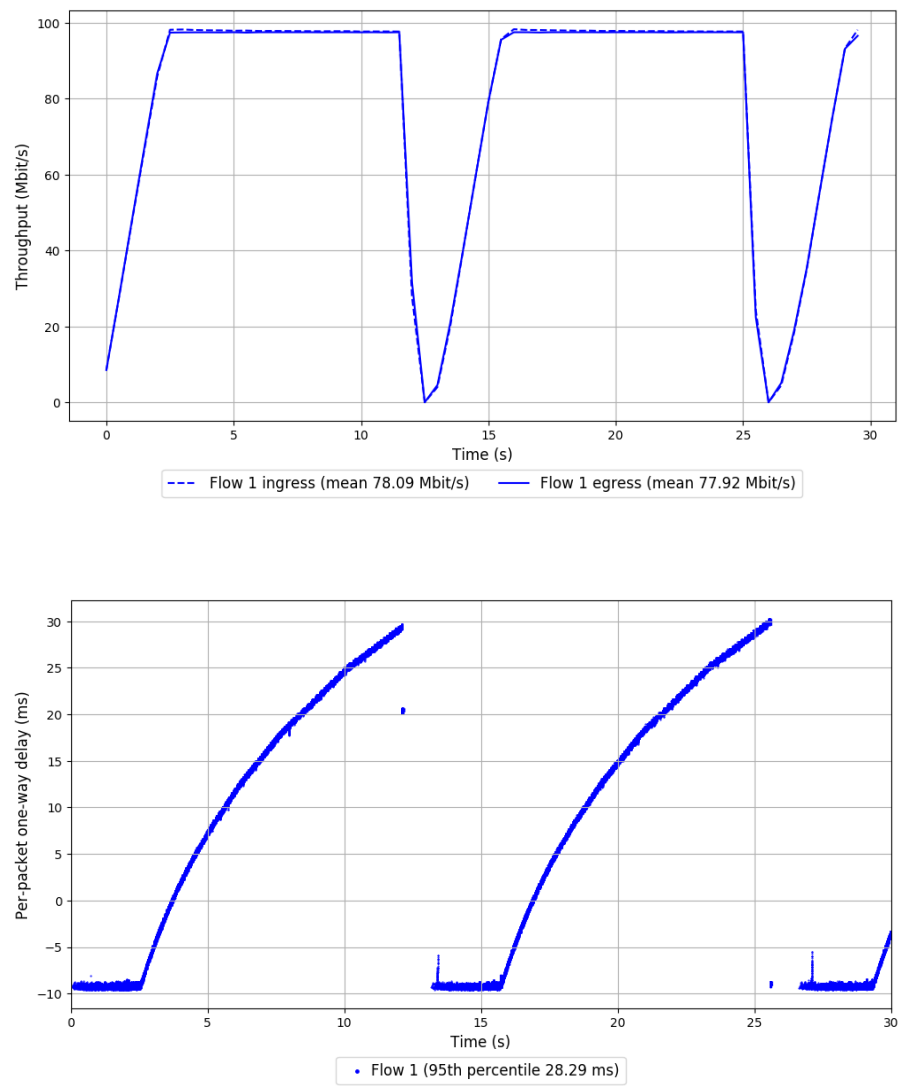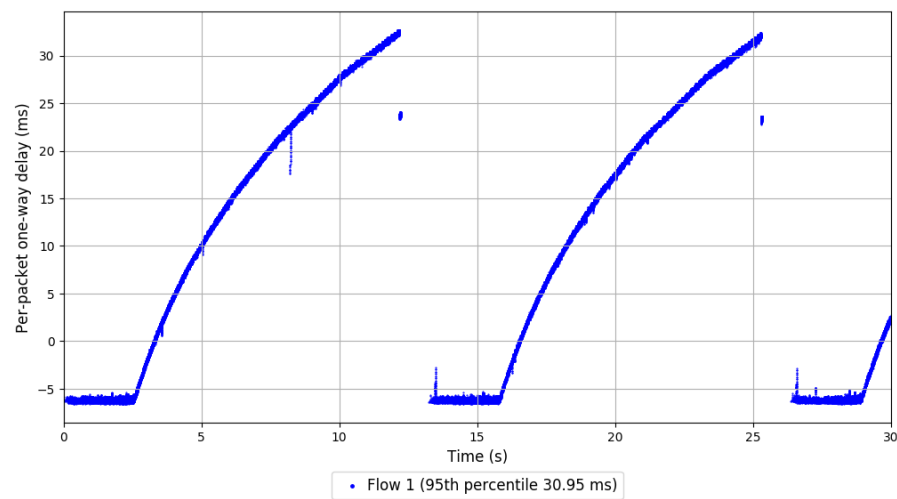# Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2018-01-02 00:52:51
End at: 2018-01-02 00:53:21
Local clock offset: -2.748 ms
Remote clock offset: -11.489 ms

# Below is generated by plot.py at 2018-01-02 03:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 27.114 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 27.114 ms
Loss rate: 0.20%
```

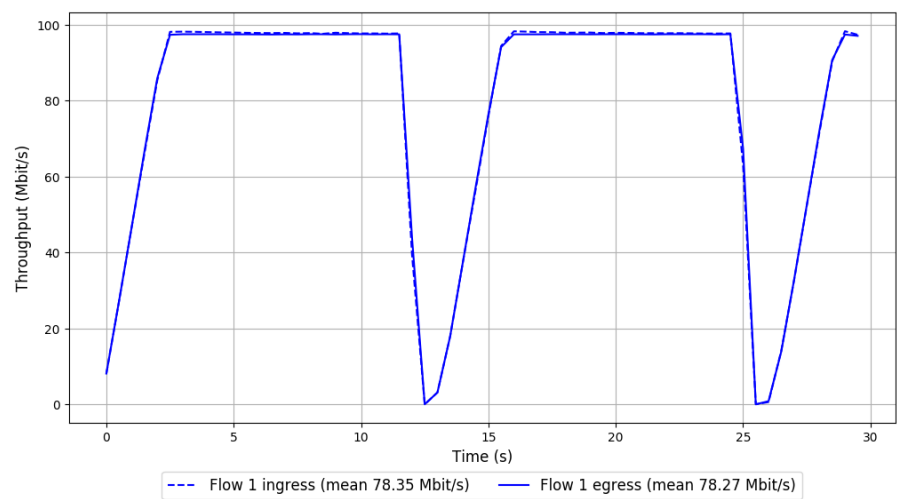Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2018-01-02 01:10:16
End at: 2018-01-02 01:10:46
Local clock offset: 0.874 ms
Remote clock offset: -9.737 ms


# Below is generated by plot.py at 2018-01-02 03:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 28.286 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 28.286 ms
Loss rate: 0.20%
```

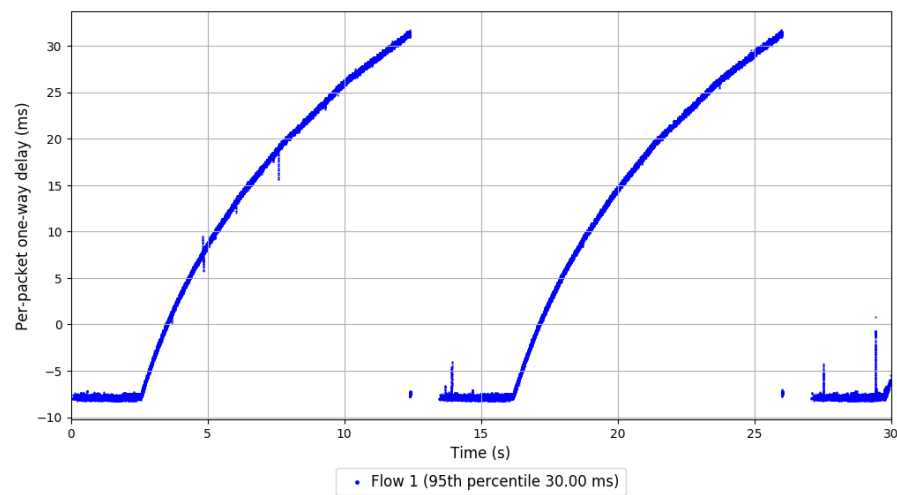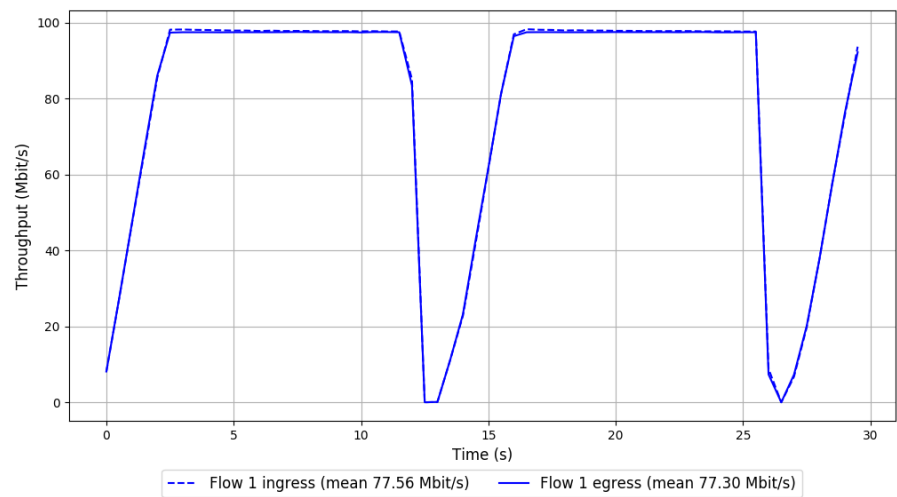Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 78.09 Mbit/s)   Flow 1 egress (mean 77.92 Mbit/s)

• Flow 1 (95th percentile 28.29 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-01-02 01:27:58
End at: 2018-01-02 01:28:28
Local clock offset: -1.236 ms
Remote clock offset: -9.852 ms


# Below is generated by plot.py at 2018-01-02 03:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 30.949 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 30.949 ms
Loss rate: 0.07%
```

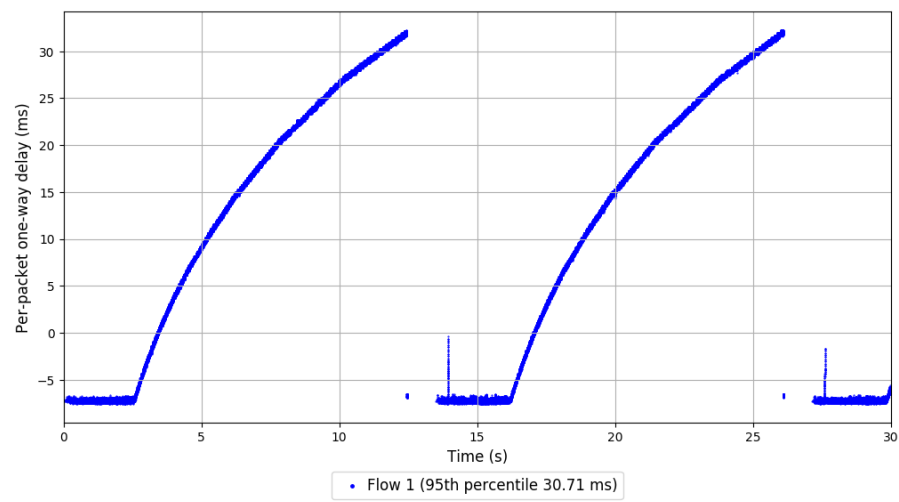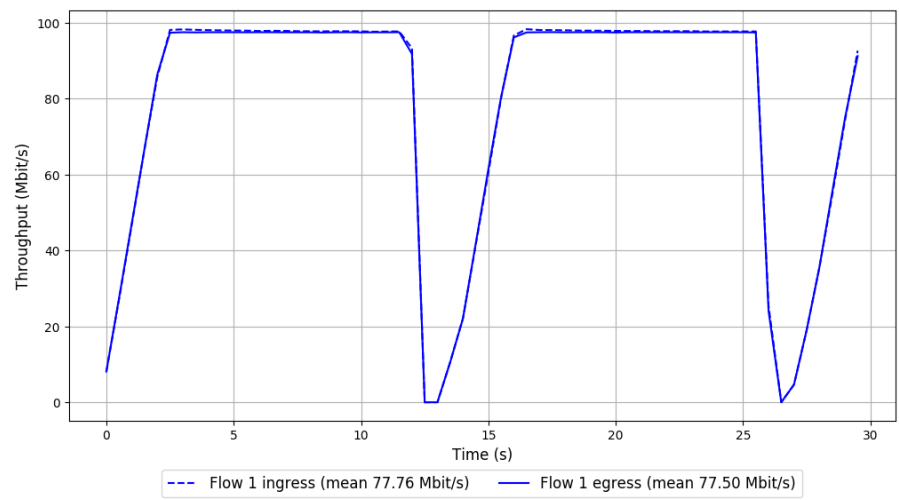# Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2018-01-02 01:45:35
End at: 2018-01-02 01:46:05
Local clock offset: 0.86 ms
Remote clock offset: -9.087 ms


# Below is generated by plot.py at 2018-01-02 03:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 30.003 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 30.003 ms
Loss rate: 0.33%
```

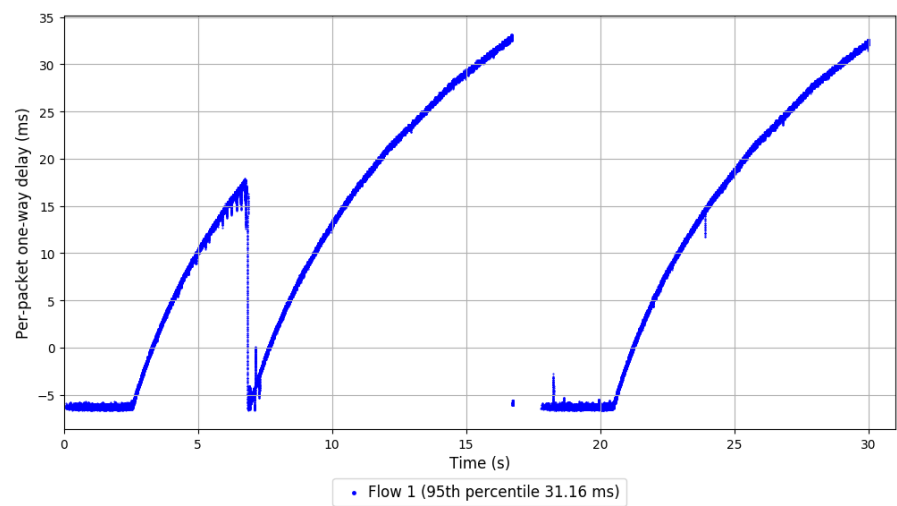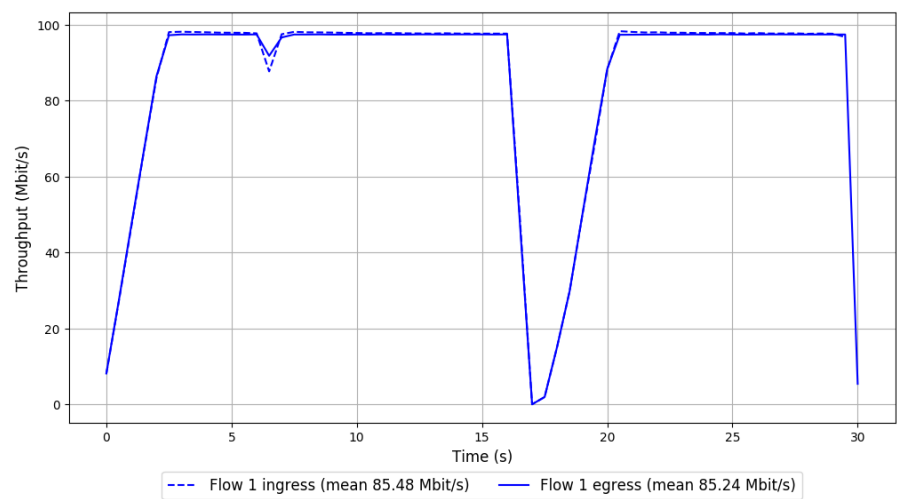Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2018-01-02 02:03:16
End at: 2018-01-02 02:03:46
Local clock offset: 0.019 ms
Remote clock offset: -8.891 ms


# Below is generated by plot.py at 2018-01-02 03:52:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 30.715 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 30.715 ms
Loss rate: 0.32%
```

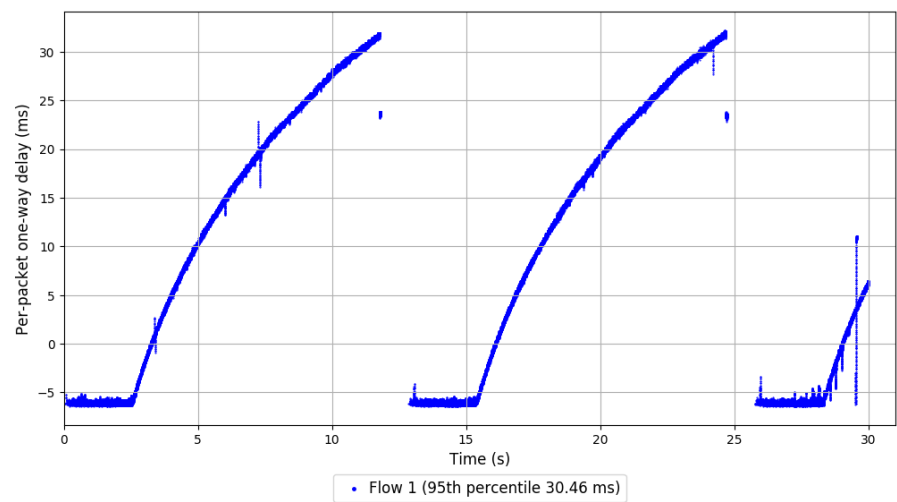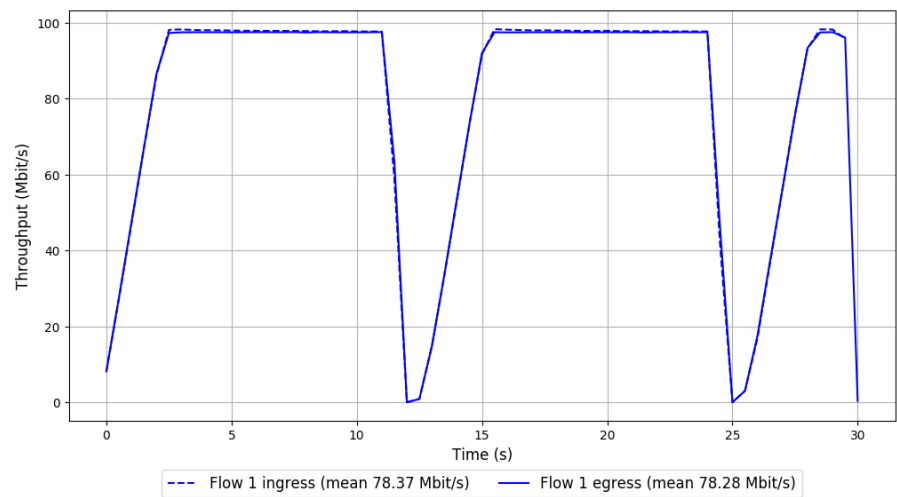Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 77.76 Mbit/s)   Flow 1 egress (mean 77.50 Mbit/s)

Flow 1 (95th percentile 30.71 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-01-02 02:21:01
End at: 2018-01-02 02:21:31
Local clock offset: -0.435 ms
Remote clock offset: -8.482 ms


# Below is generated by plot.py at 2018-01-02 03:52:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 31.165 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 31.165 ms
Loss rate: 0.15%
```

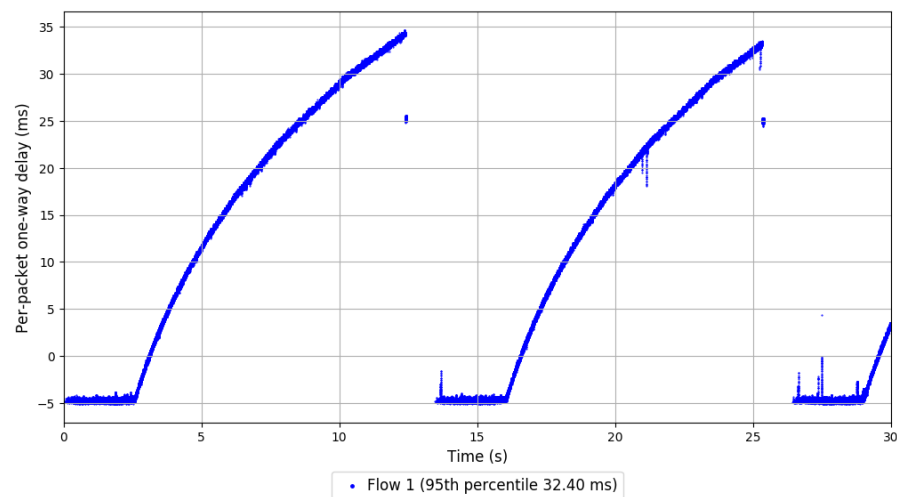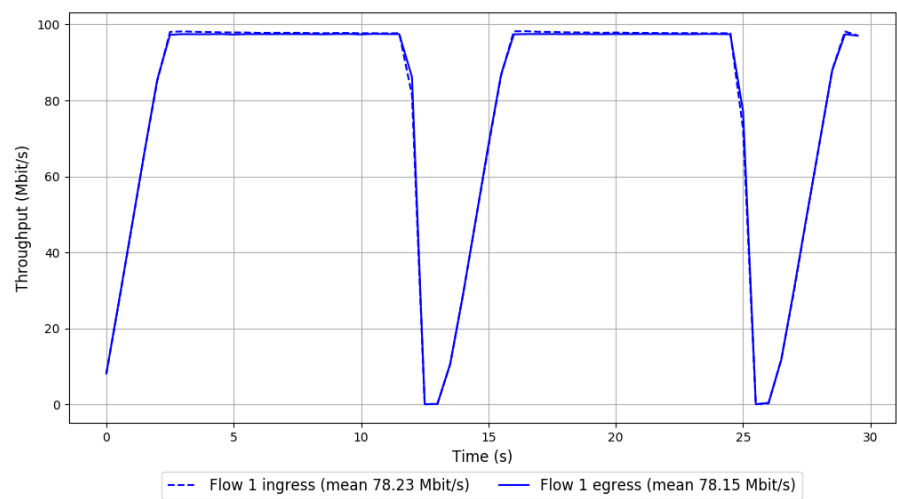# Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 85.48 Mbit/s) — Flow 1 egress (mean 85.24 Mbit/s)

Flow 1 (95th percentile 31.16 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-01-02 02:38:49
End at: 2018-01-02 02:39:19
Local clock offset: -2.114 ms
Remote clock offset: -9.992 ms


# Below is generated by plot.py at 2018-01-02 03:52:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.28 Mbit/s
95th percentile per-packet one-way delay: 30.456 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.28 Mbit/s
95th percentile per-packet one-way delay: 30.456 ms
Loss rate: 0.07%
```

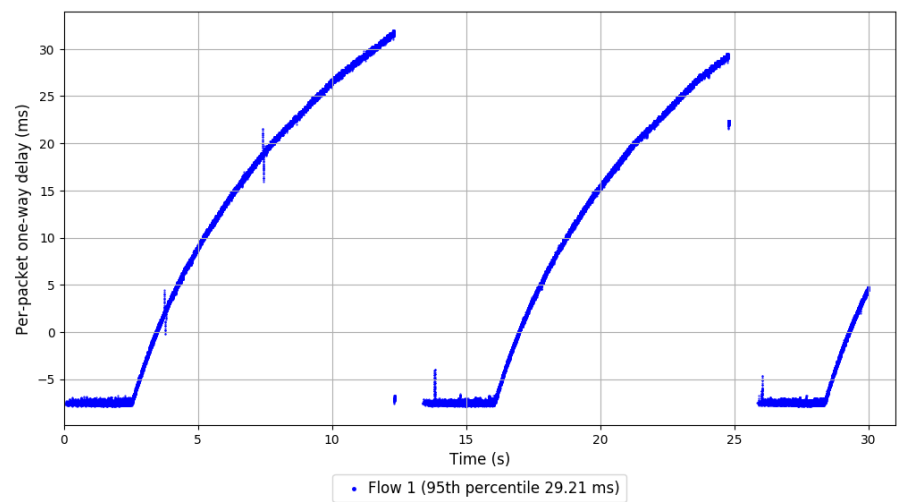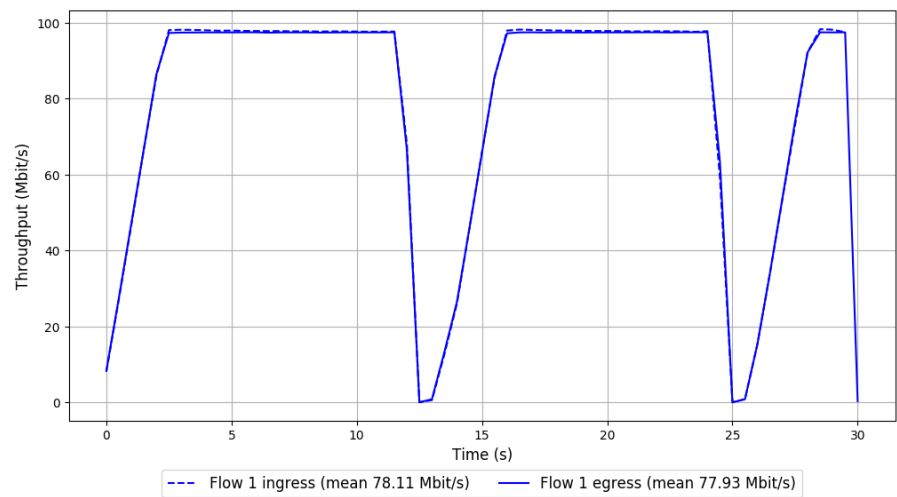Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2018-01-02 02:56:27
End at: 2018-01-02 02:56:57
Local clock offset: -1.637 ms
Remote clock offset: -8.164 ms


# Below is generated by plot.py at 2018-01-02 03:52:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 32.400 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 32.400 ms
Loss rate: 0.07%
```

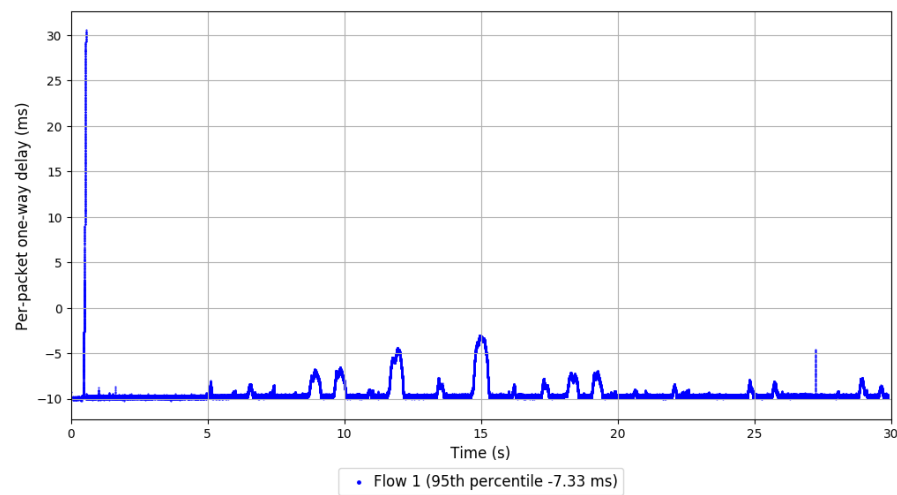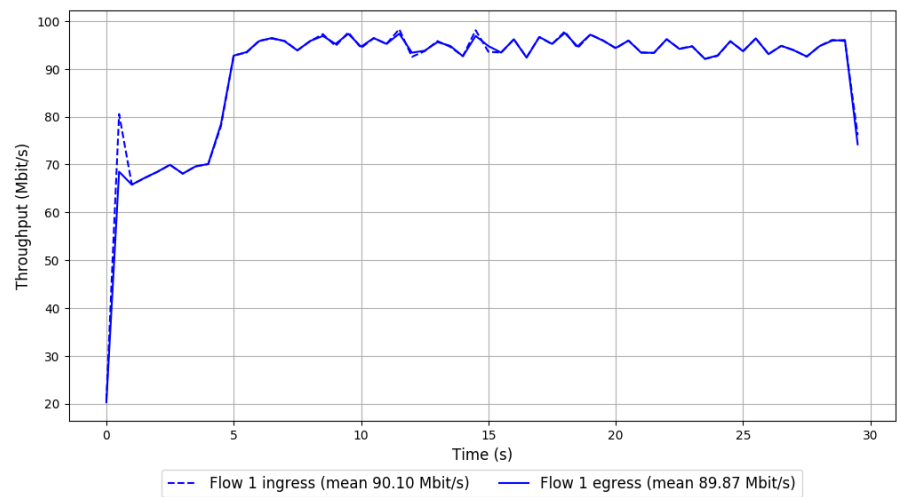Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 78.23 Mbit/s)　　　Flow 1 egress (mean 78.15 Mbit/s)

Flow 1 (95th percentile 32.40 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2018-01-02 03:14:09
End at: 2018-01-02 03:14:39
Local clock offset: 0.906 ms
Remote clock offset: -8.417 ms


# Below is generated by plot.py at 2018-01-02 03:52:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 29.215 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 29.215 ms
Loss rate: 0.19%
```

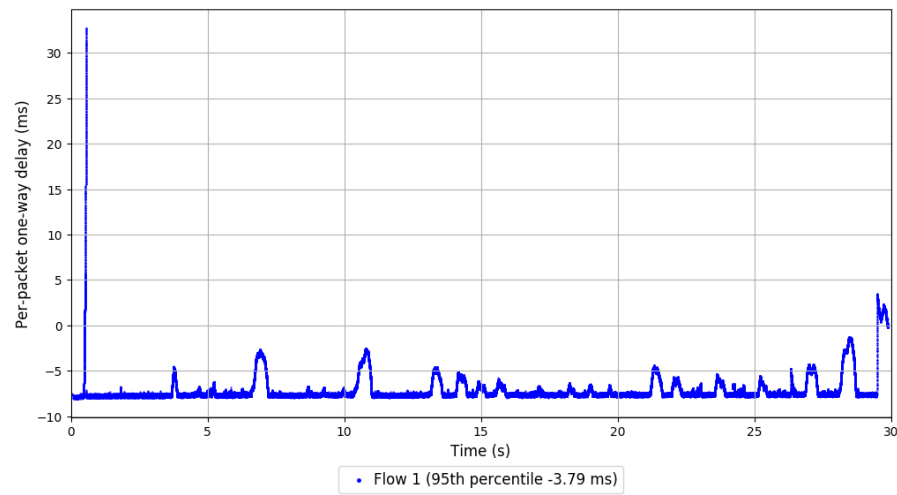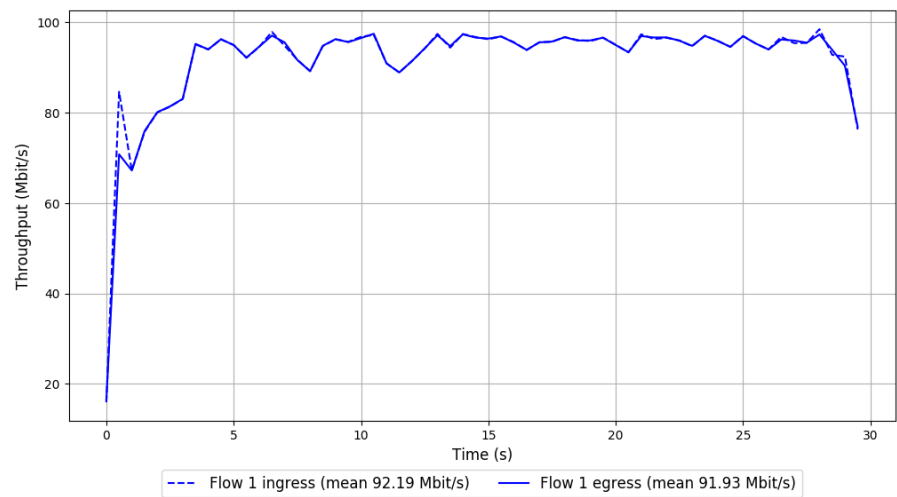# Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2018-01-02 00:41:14
End at: 2018-01-02 00:41:44
Local clock offset: -5.029 ms
Remote clock offset: -11.281 ms

# Below is generated by plot.py at 2018-01-02 03:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: -7.332 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: -7.332 ms
Loss rate: 0.26%
```
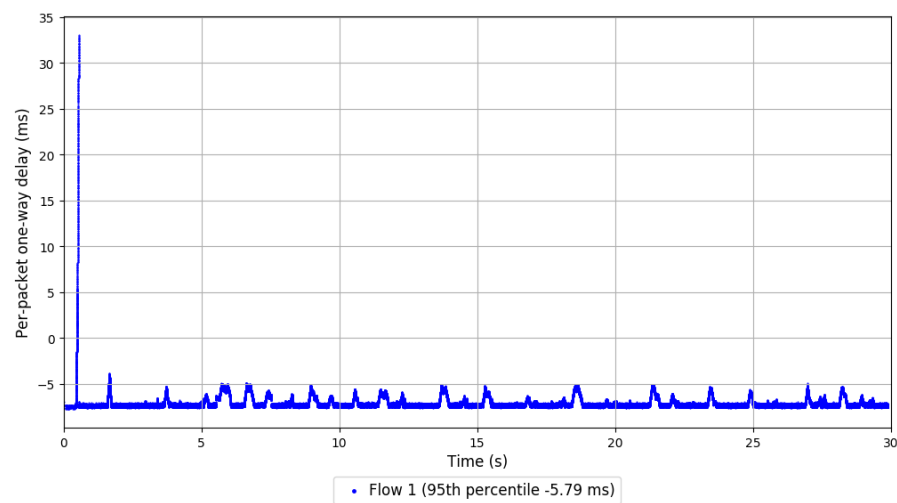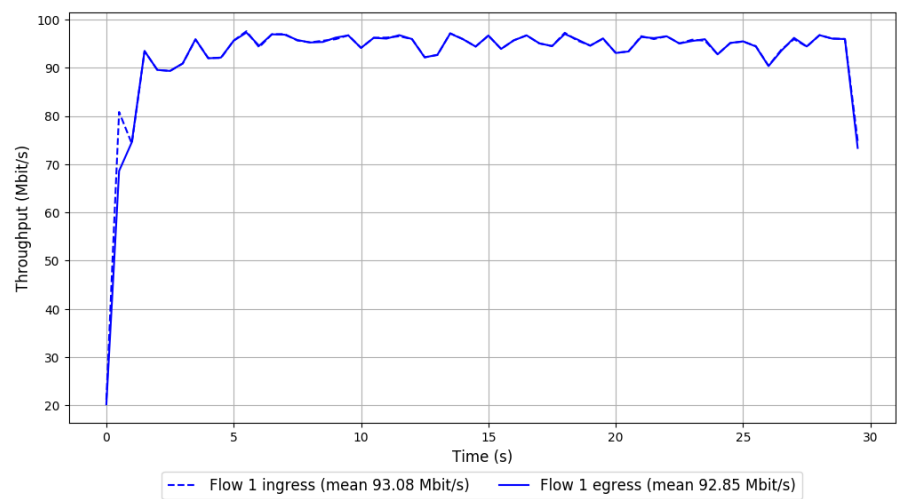
Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2018-01-02 00:58:36
End at: 2018-01-02 00:59:06
Local clock offset: -2.316 ms
Remote clock offset: -9.063 ms

# Below is generated by plot.py at 2018-01-02 03:52:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: -3.795 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: -3.795 ms
Loss rate: 0.26%
```
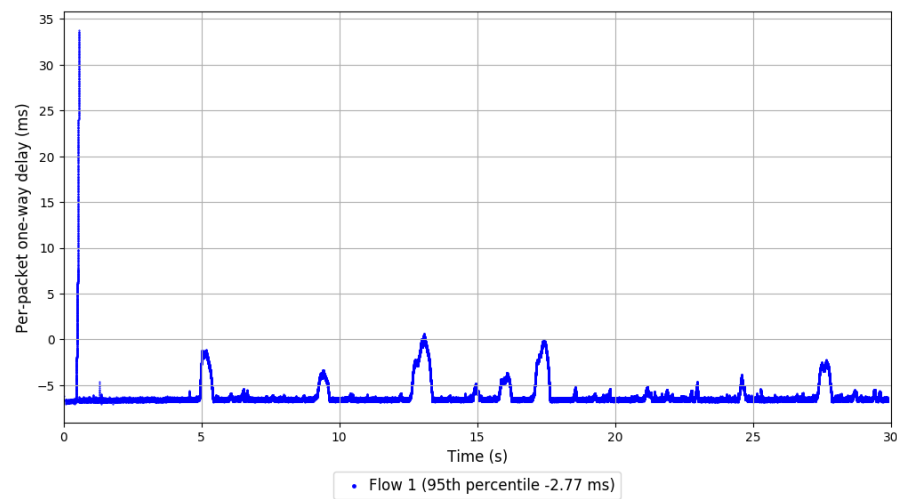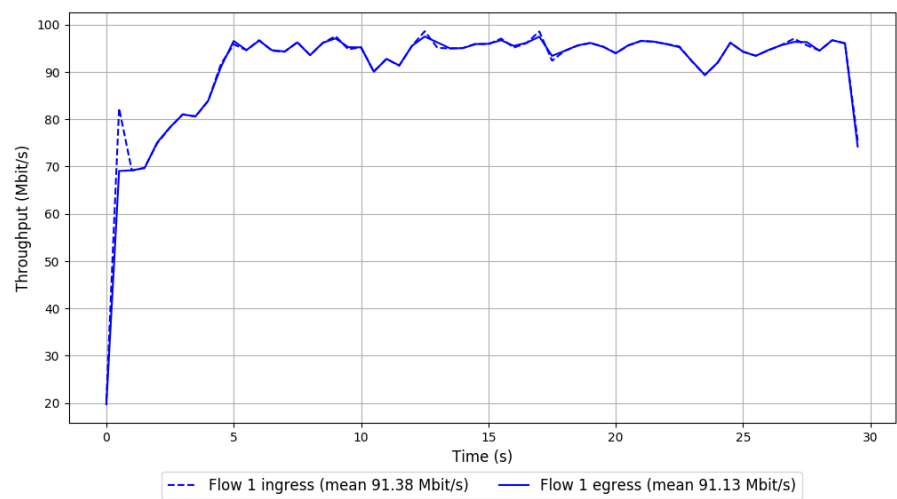
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 92.19 Mbit/s) --- Flow 1 egress (mean 91.93 Mbit/s)

Flow 1 (95th percentile -3.79 ms)

```
Run 3: Statistics of PCC

Start at: 2018-01-02 01:15:59
End at: 2018-01-02 01:16:29
Local clock offset: -0.502 ms
Remote clock offset: -9.263 ms


# Below is generated by plot.py at 2018-01-02 03:52:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: -5.785 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: -5.785 ms
Loss rate: 0.26%
```
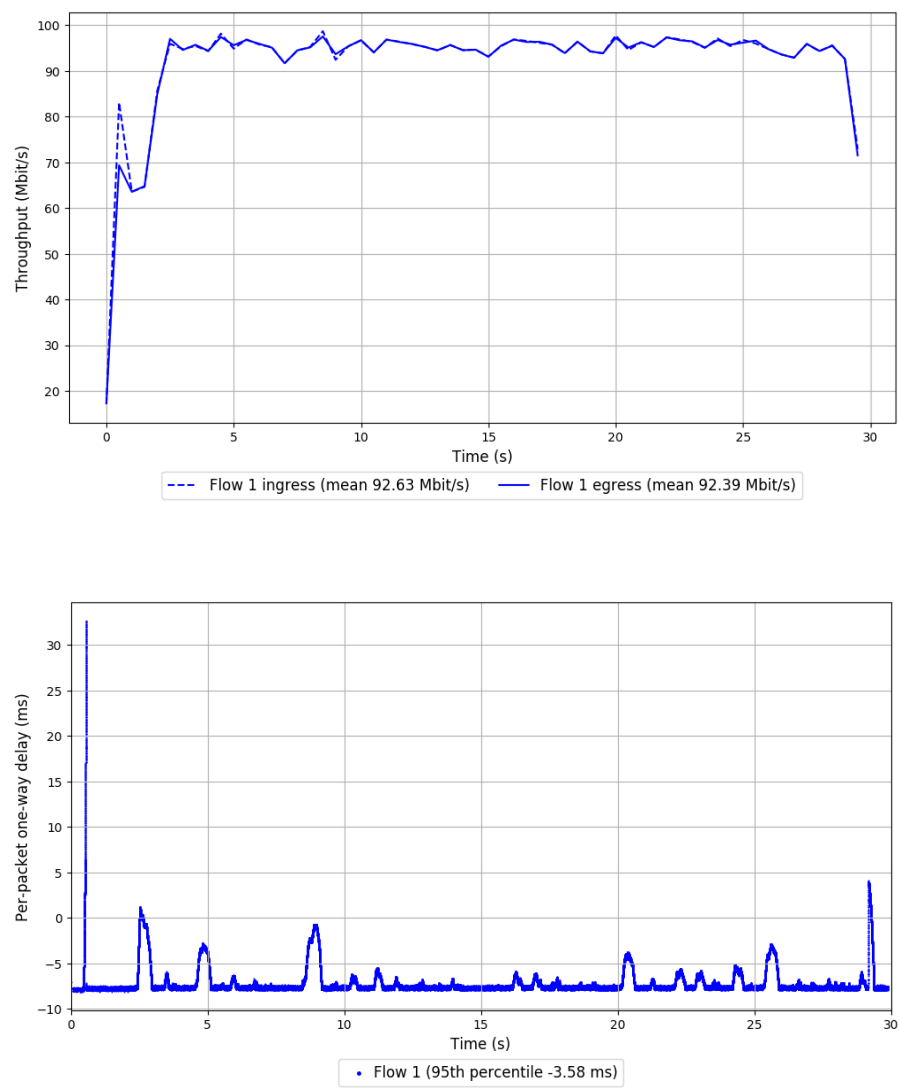
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 93.08 Mbit/s)   Flow 1 egress (mean 92.85 Mbit/s)

Flow 1 (95th percentile -5.79 ms)

```
Run 4: Statistics of PCC

Start at: 2018-01-02 01:33:47
End at: 2018-01-02 01:34:17
Local clock offset: -0.915 ms
Remote clock offset: -9.813 ms


# Below is generated by plot.py at 2018-01-02 03:53:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: -2.771 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: -2.771 ms
Loss rate: 0.27%
```
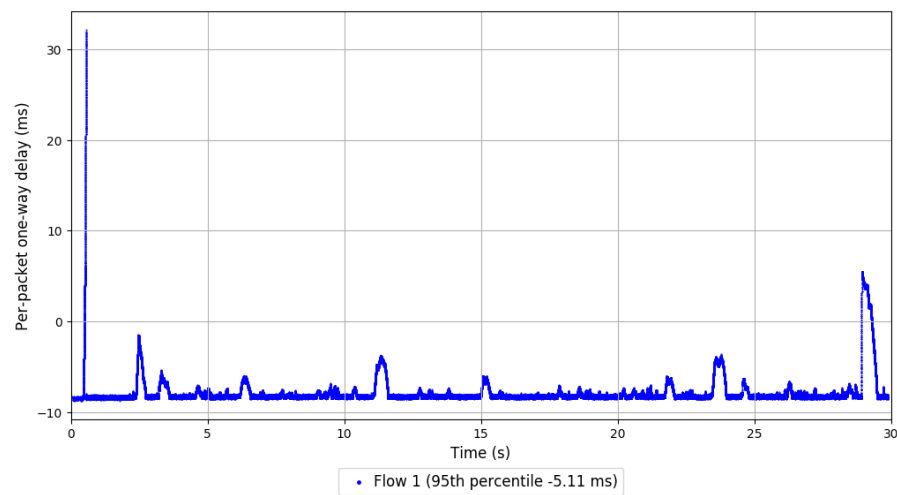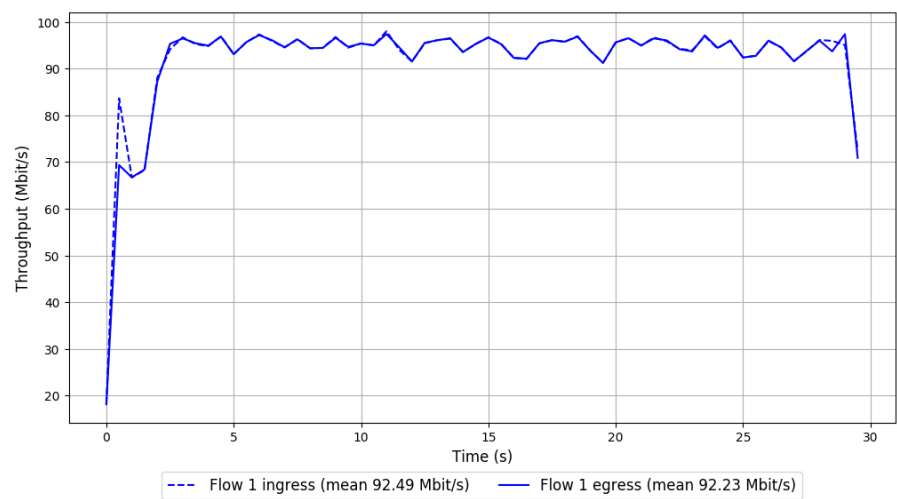
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 91.38 Mbit/s)   Flow 1 egress (mean 91.13 Mbit/s)

Flow 1 (95th percentile -2.77 ms)

```
Run 5: Statistics of PCC

Start at: 2018-01-02 01:51:24
End at: 2018-01-02 01:51:54
Local clock offset: -5.373 ms
Remote clock offset: -14.752 ms


# Below is generated by plot.py at 2018-01-02 03:53:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: -3.577 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: -3.577 ms
Loss rate: 0.26%
```
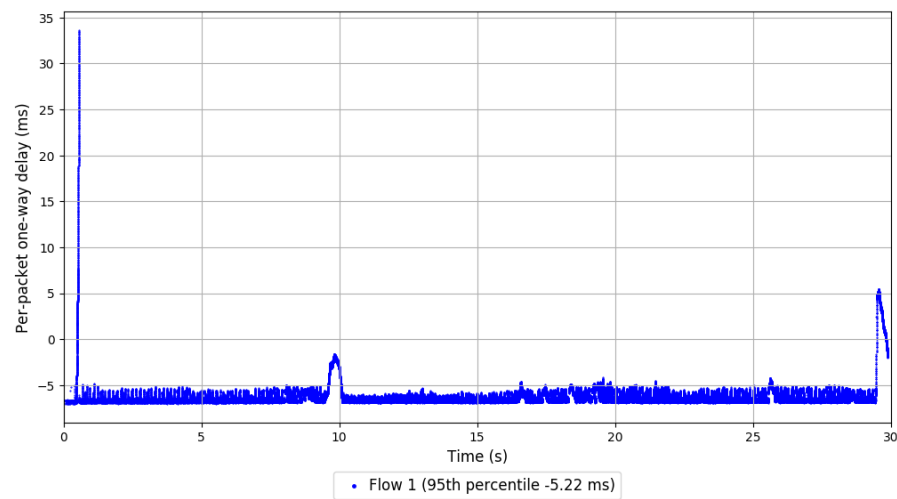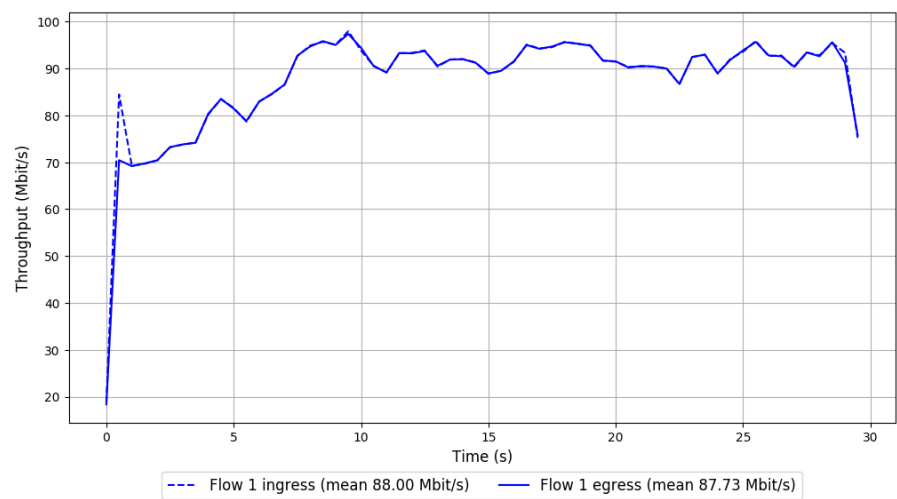
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 92.63 Mbit/s)   Flow 1 egress (mean 92.39 Mbit/s)
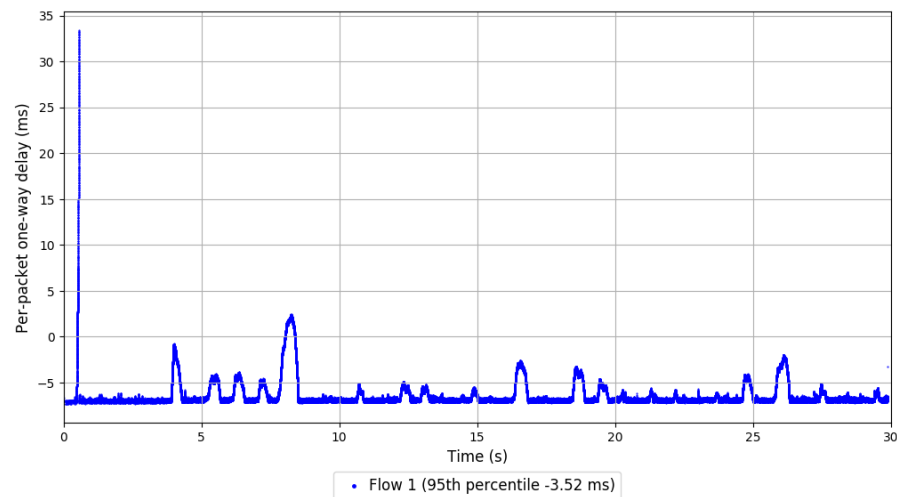

Flow 1 (95th percentile -3.58 ms)

```
Run 6: Statistics of PCC

Start at: 2018-01-02 02:09:00
End at: 2018-01-02 02:09:30
Local clock offset: 1.3 ms
Remote clock offset: -8.716 ms


# Below is generated by plot.py at 2018-01-02 03:53:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: -5.106 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: -5.106 ms
Loss rate: 0.28%
```
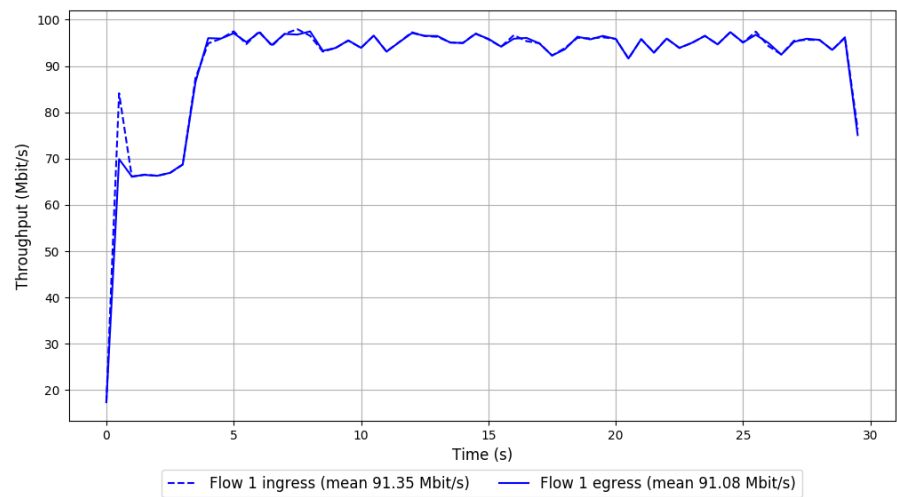
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 92.49 Mbit/s)   Flow 1 egress (mean 92.23 Mbit/s)

Flow 1 (95th percentile -5.11 ms)

```
Run 7: Statistics of PCC

Start at: 2018-01-02 02:26:52
End at: 2018-01-02 02:27:22
Local clock offset: -1.289 ms
Remote clock offset: -9.691 ms


# Below is generated by plot.py at 2018-01-02 03:53:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: -5.217 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: -5.217 ms
Loss rate: 0.30%
```
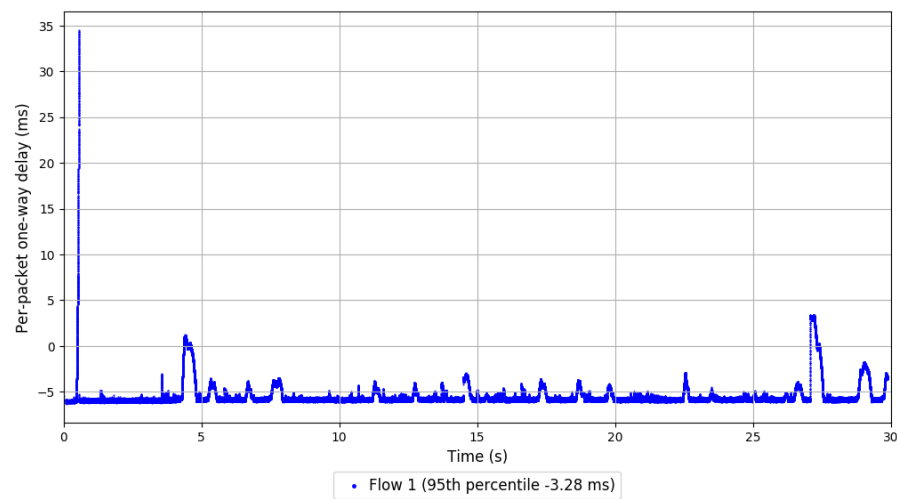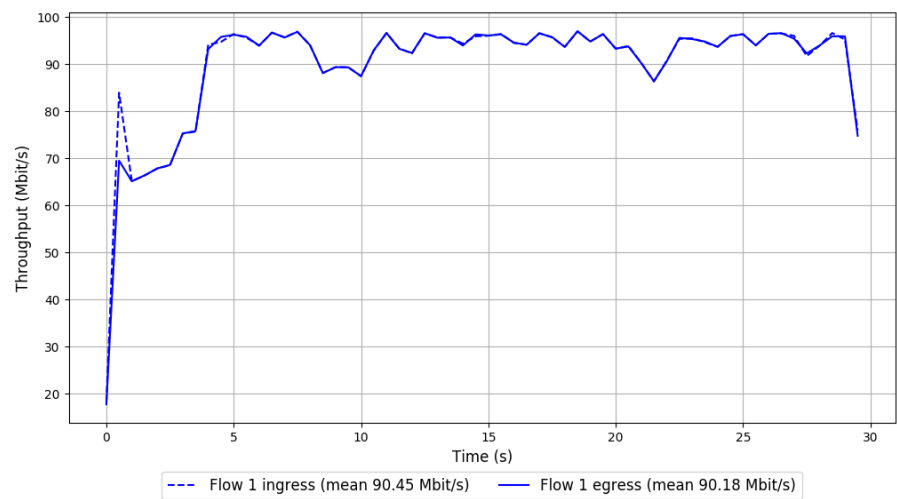
Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2018-01-02 02:44:38
End at: 2018-01-02 02:45:08
Local clock offset: 1.157 ms
Remote clock offset: -7.544 ms


# Below is generated by plot.py at 2018-01-02 03:53:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: -3.516 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: -3.516 ms
Loss rate: 0.28%
```
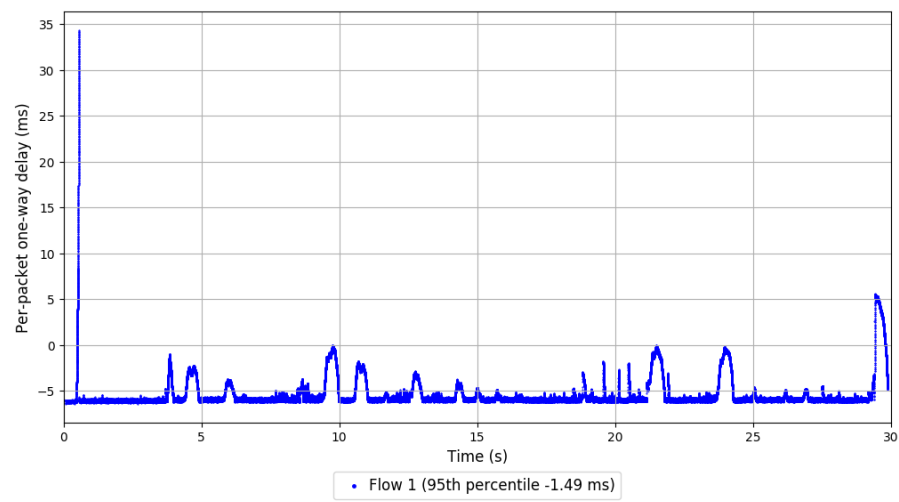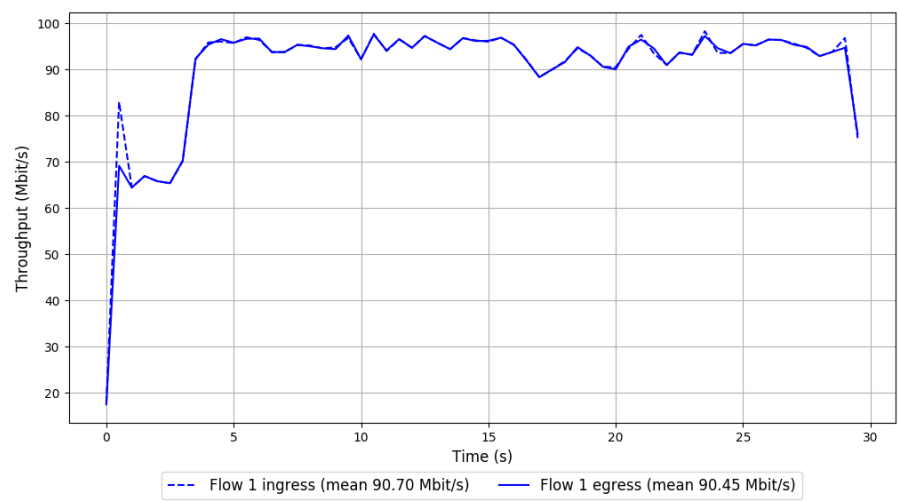
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 91.35 Mbit/s)　　Flow 1 egress (mean 91.08 Mbit/s)

Flow 1 (95th percentile -3.52 ms)

```
Run 9: Statistics of PCC

Start at: 2018-01-02 03:02:20
End at: 2018-01-02 03:02:50
Local clock offset: -0.751 ms
Remote clock offset: -8.352 ms

# Below is generated by plot.py at 2018-01-02 03:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: -3.281 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: -3.281 ms
Loss rate: 0.29%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 90.45 Mbit/s) — — — — Flow 1 egress (mean 90.18 Mbit/s)
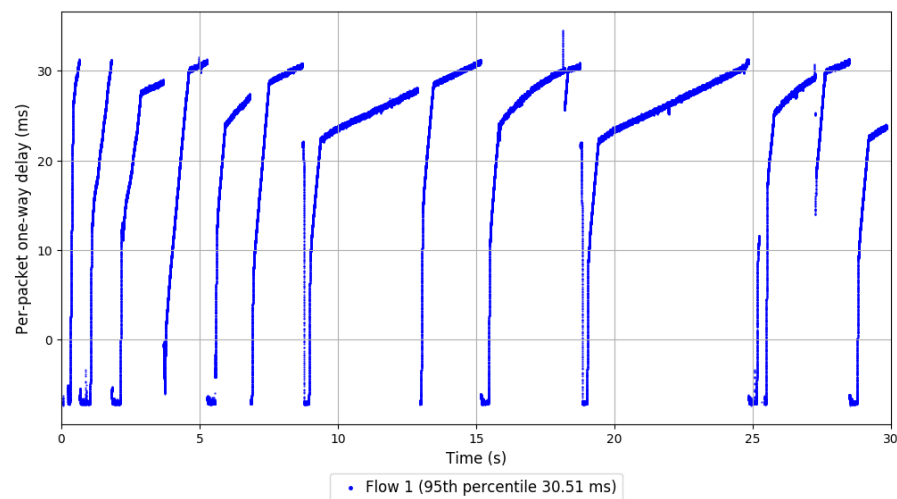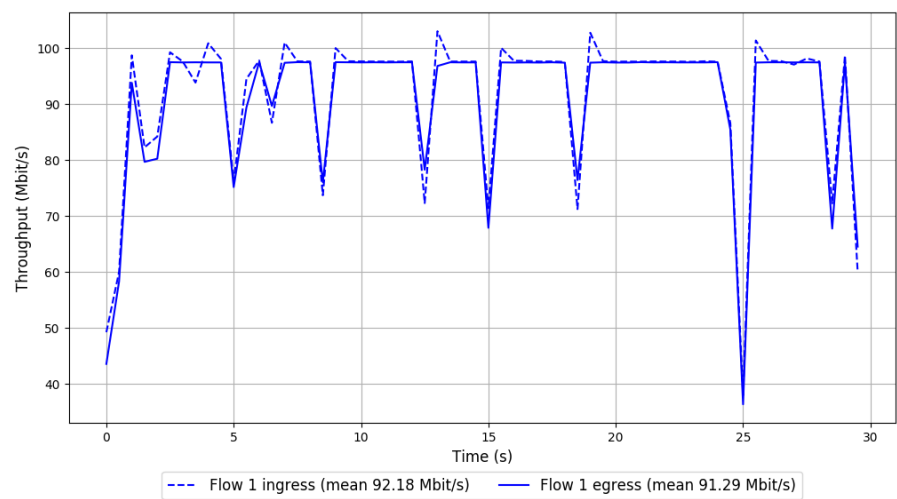

Flow 1 (95th percentile -3.28 ms)

```
Run 10: Statistics of PCC

Start at: 2018-01-02 03:19:58
End at: 2018-01-02 03:20:28
Local clock offset: -0.356 ms
Remote clock offset: -8.106 ms


# Below is generated by plot.py at 2018-01-02 03:53:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: -1.493 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: -1.493 ms
Loss rate: 0.28%
```

Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 90.70 Mbit/s)   Flow 1 egress (mean 90.45 Mbit/s)
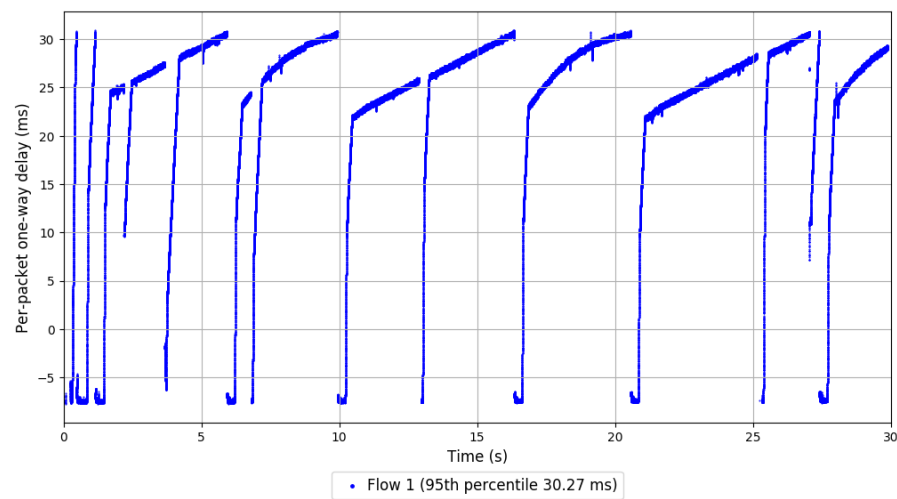

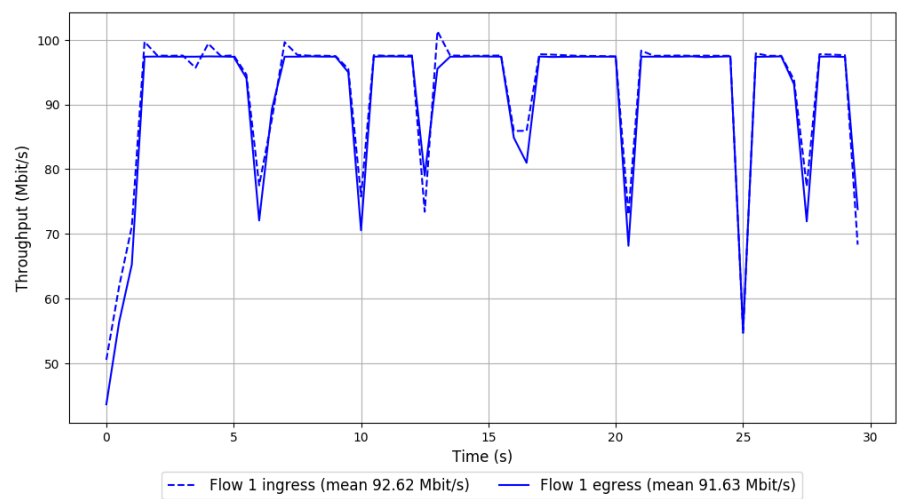
Flow 1 (95th percentile -1.49 ms)

Run 1: Statistics of QUIC Cubic

Start at: 2018-01-02 00:28:35
End at: 2018-01-02 00:29:05
Local clock offset: -6.952 ms
Remote clock offset: -10.85 ms

Run 1: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.24 Mbit/s) ——— Flow 1 egress (mean 0.25 Mbit/s)

• Flow 1 (95th percentile -7.53 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-02 00:45:50
End at: 2018-01-02 00:46:20
Local clock offset: -6.053 ms
Remote clock offset: -9.603 ms


# Below is generated by plot.py at 2018-01-02 03:54:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 30.512 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 30.512 ms
Loss rate: 0.87%
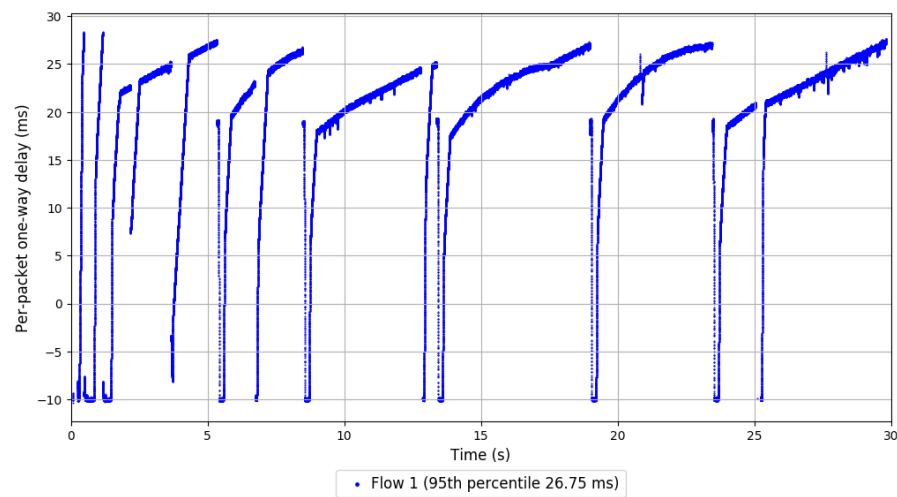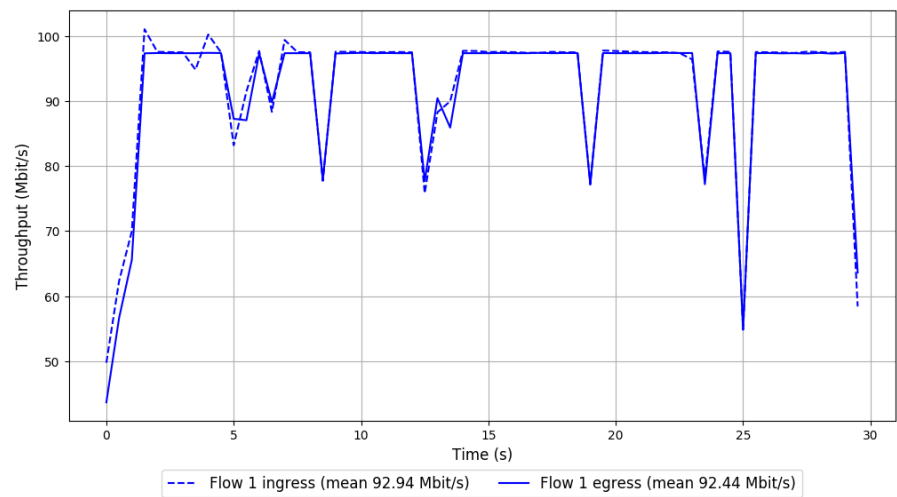```

Run 2: Report of QUIC Cubic — Data Link



Flow 1 ingress (mean 92.18 Mbit/s)    Flow 1 egress (mean 91.29 Mbit/s)



Flow 1 (95th percentile 30.51 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-01-02 01:03:10
End at: 2018-01-02 01:03:40
Local clock offset: -1.501 ms
Remote clock offset: -9.188 ms

Below is generated by plot.py at 2018-01-02 03:54:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 30.271 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 30.271 ms
Loss rate: 0.95%
```
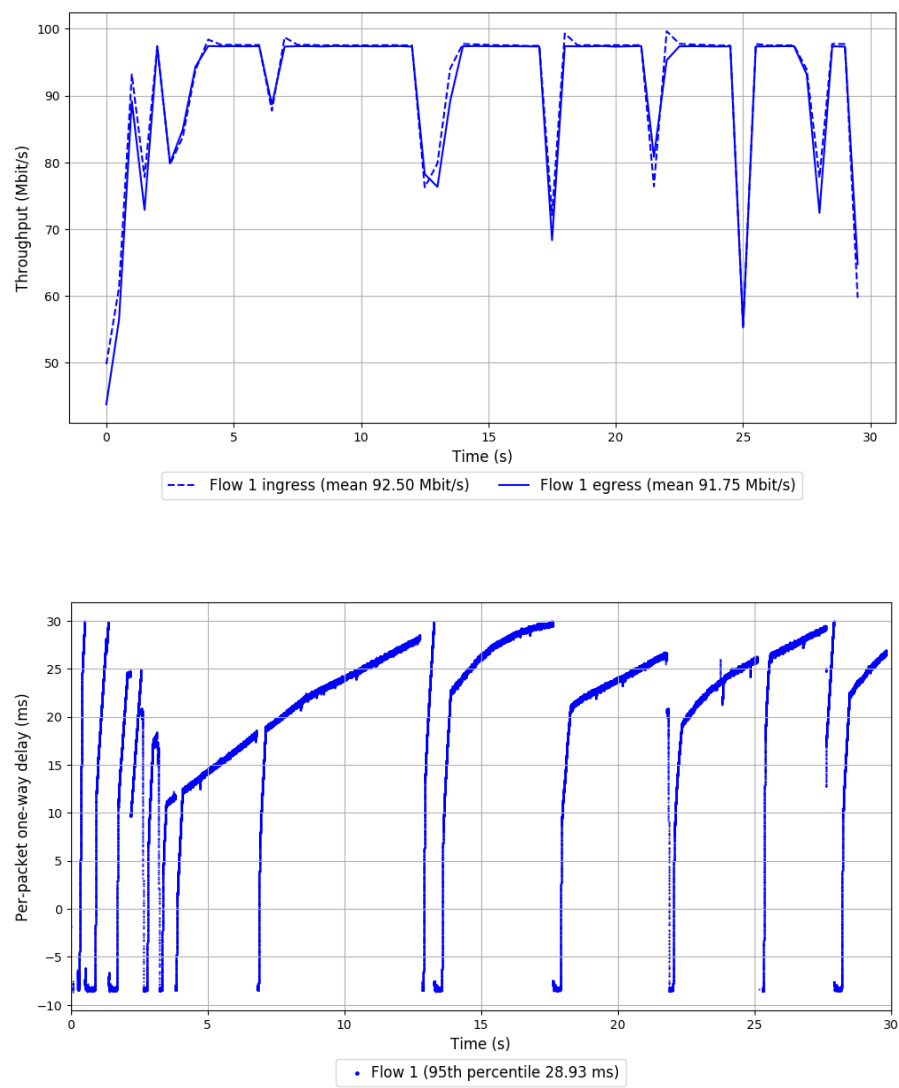
# Run 3: Report of QUIC Cubic — Data Link



Flow 1 ingress (mean 92.62 Mbit/s) — Flow 1 egress (mean 91.63 Mbit/s)



Flow 1 (95th percentile 30.27 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-02 01:20:35
End at: 2018-01-02 01:21:05
Local clock offset: 1.468 ms
Remote clock offset: -10.194 ms

Below is generated by plot.py at 2018-01-02 03:54:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 26.753 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 26.753 ms
Loss rate: 0.42%
```
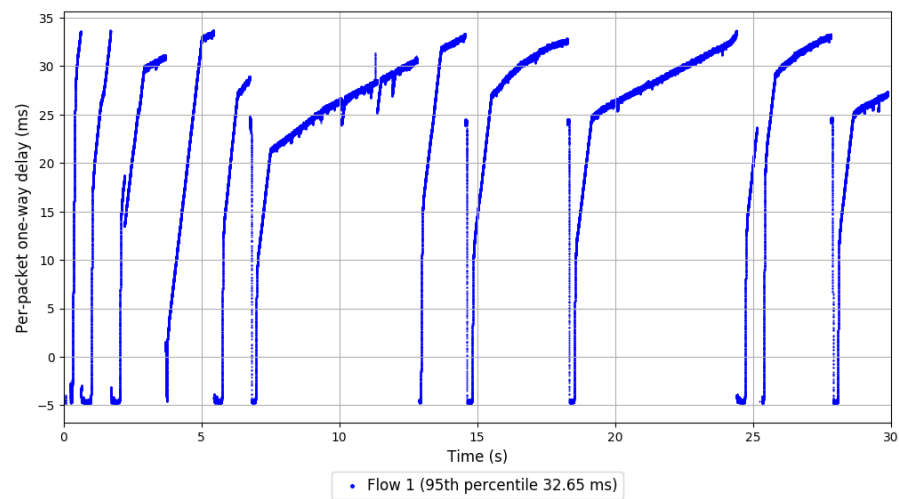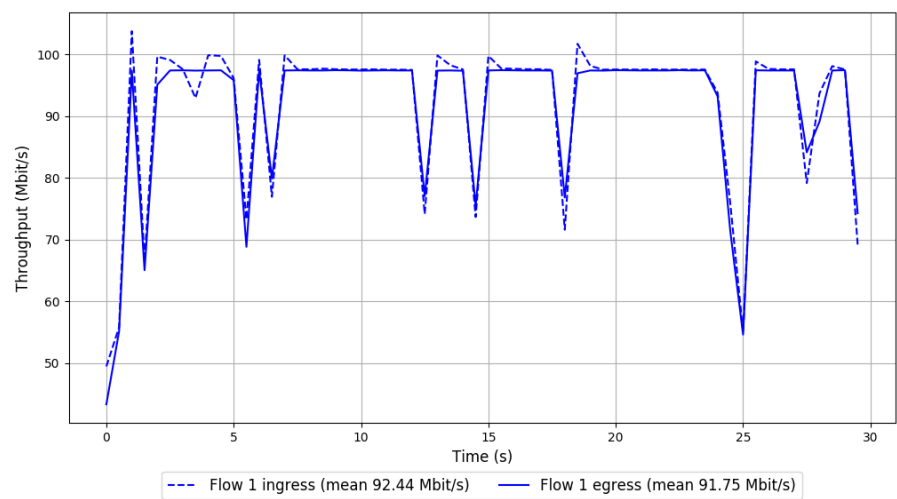
Run 4: Report of QUIC Cubic — Data Link



Flow 1 ingress (mean 92.94 Mbit/s) ----- Flow 1 egress (mean 92.44 Mbit/s) —



Flow 1 (95th percentile 26.75 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-02 01:38:26
End at: 2018-01-02 01:38:56
Local clock offset: 1.908 ms
Remote clock offset: -8.445 ms

Below is generated by plot.py at 2018-01-02 03:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 28.928 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 28.928 ms
Loss rate: 0.72%
```
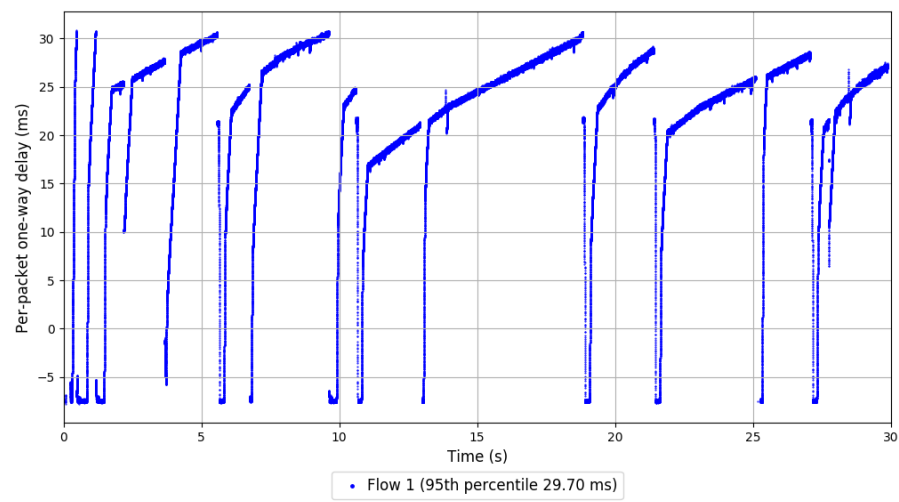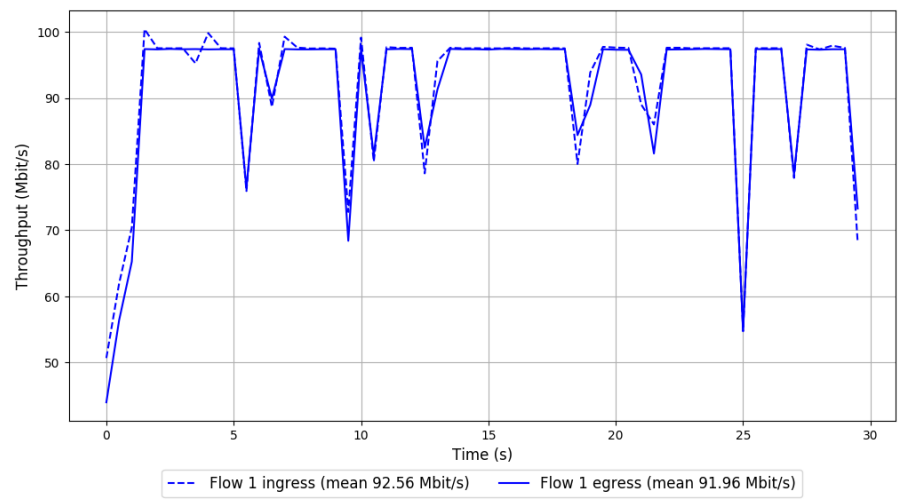
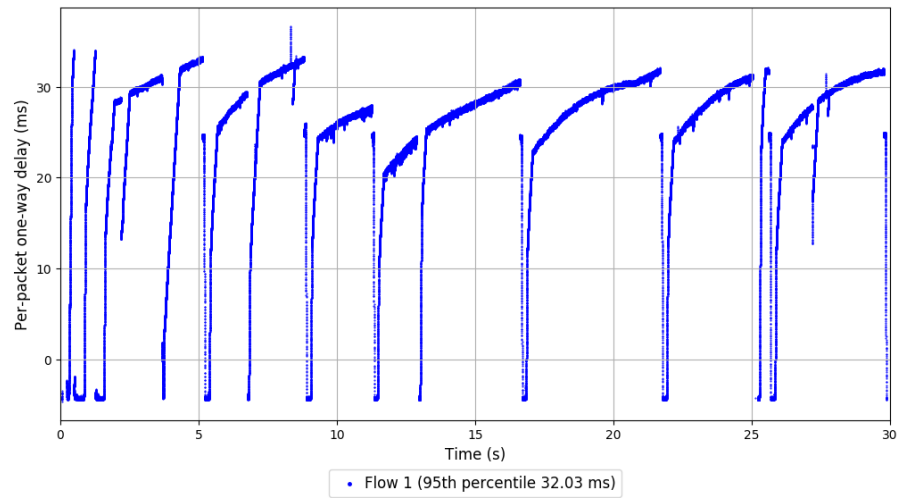Run 5: Report of QUIC Cubic — Data Link

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-01-02 01:56:04
End at: 2018-01-02 01:56:34
Local clock offset: -1.985 ms
Remote clock offset: -8.202 ms

Below is generated by plot.py at 2018-01-02 03:55:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 32.651 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 32.651 ms
Loss rate: 0.65%
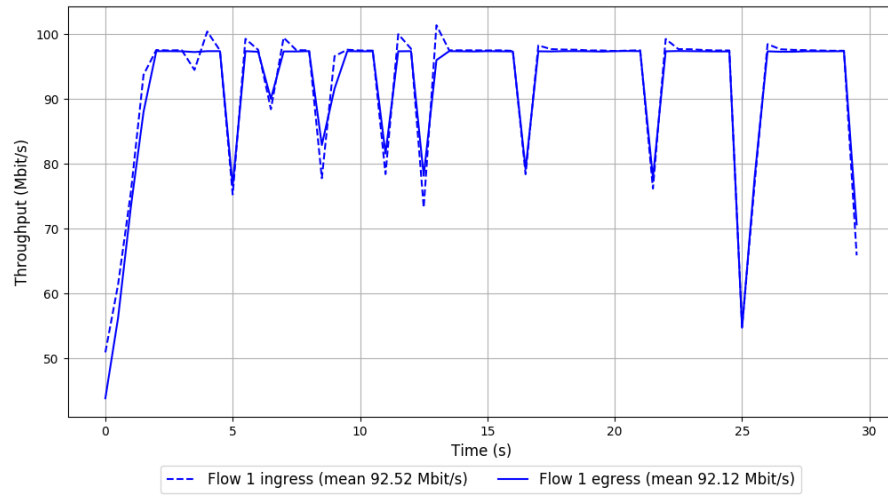```
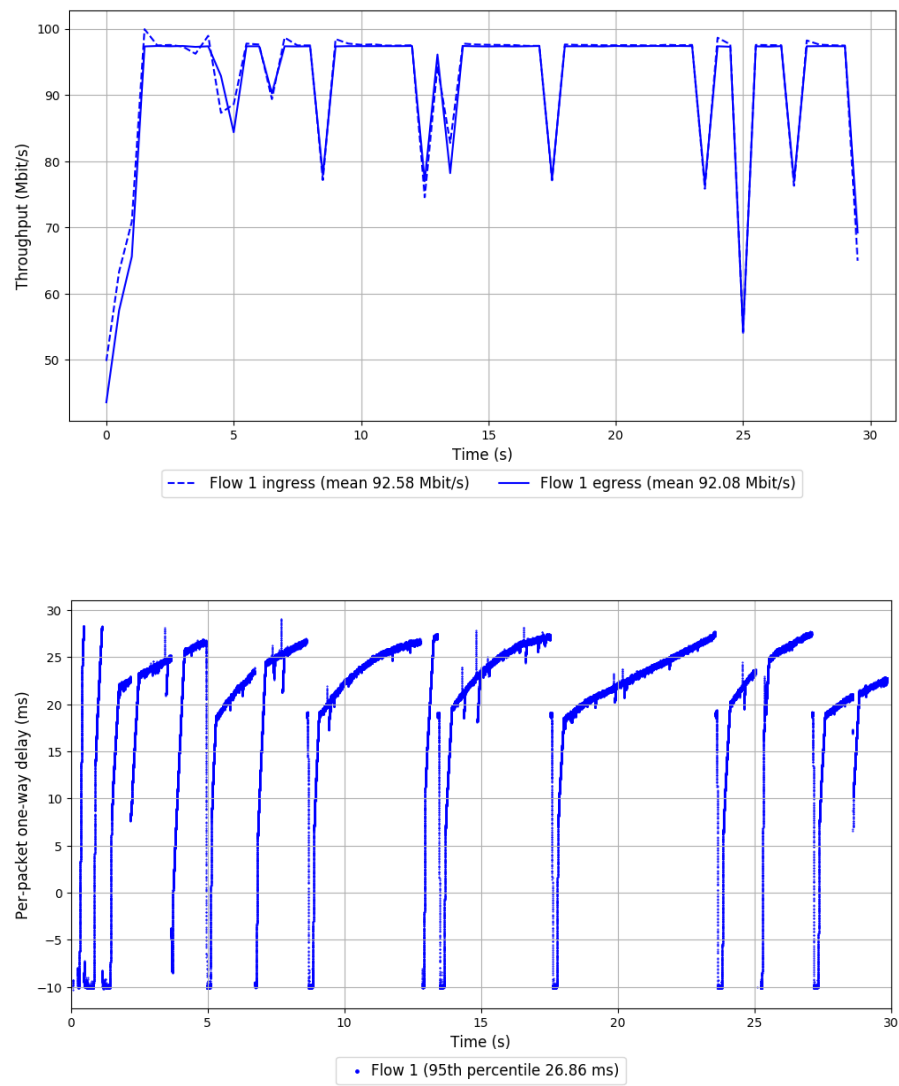
Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-02 02:13:44
End at: 2018-01-02 02:14:14
Local clock offset: 1.071 ms
Remote clock offset: -7.982 ms


# Below is generated by plot.py at 2018-01-02 03:55:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 29.704 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 29.704 ms
Loss rate: 0.54%
```

Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 92.56 Mbit/s)   Flow 1 egress (mean 91.96 Mbit/s)

Flow 1 (95th percentile 29.70 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-01-02 02:31:31
End at: 2018-01-02 02:32:01
Local clock offset: -2.157 ms
Remote clock offset: -8.027 ms


# Below is generated by plot.py at 2018-01-02 03:55:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 32.027 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 32.027 ms
Loss rate: 0.43%
```
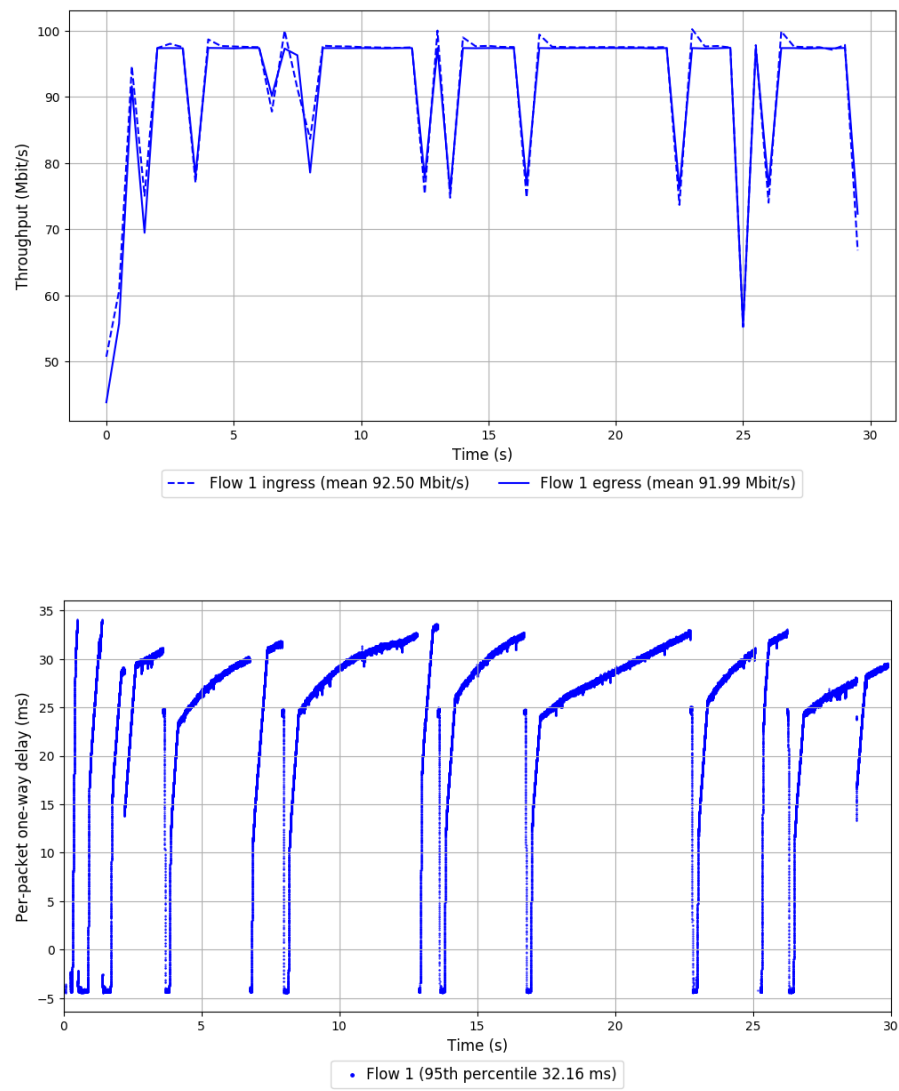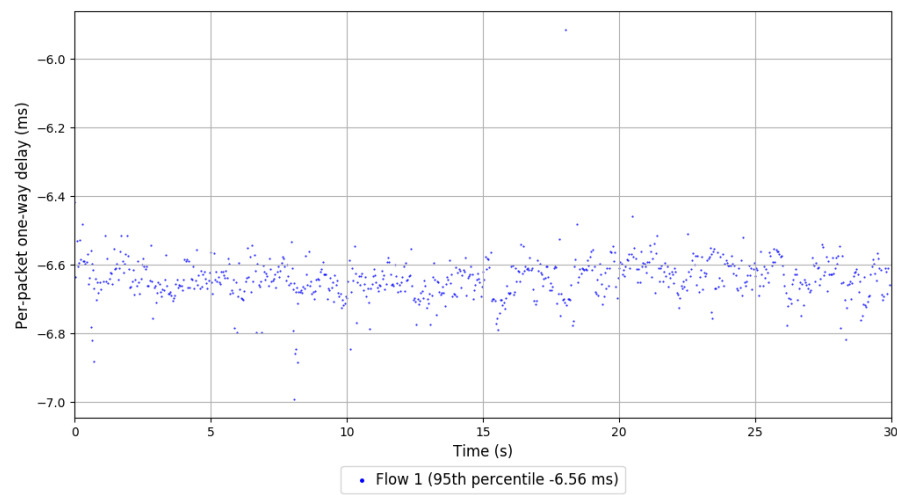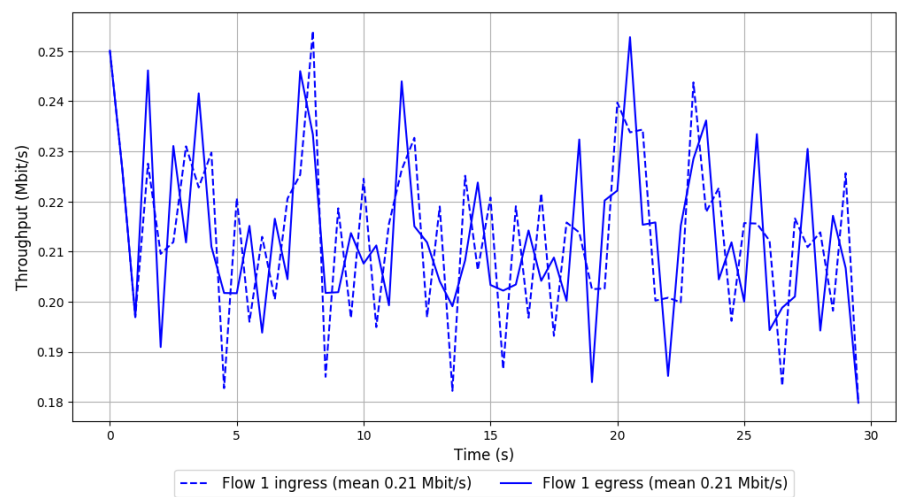
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 92.52 Mbit/s) ----   Flow 1 egress (mean 92.12 Mbit/s) ——

• Flow 1 (95th percentile 32.03 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-02 02:49:16
End at: 2018-01-02 02:49:46
Local clock offset: 0.615 ms
Remote clock offset: -10.925 ms


# Below is generated by plot.py at 2018-01-02 03:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 26.863 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 26.863 ms
Loss rate: 0.43%
```

Run 9: Report of QUIC Cubic — Data Link
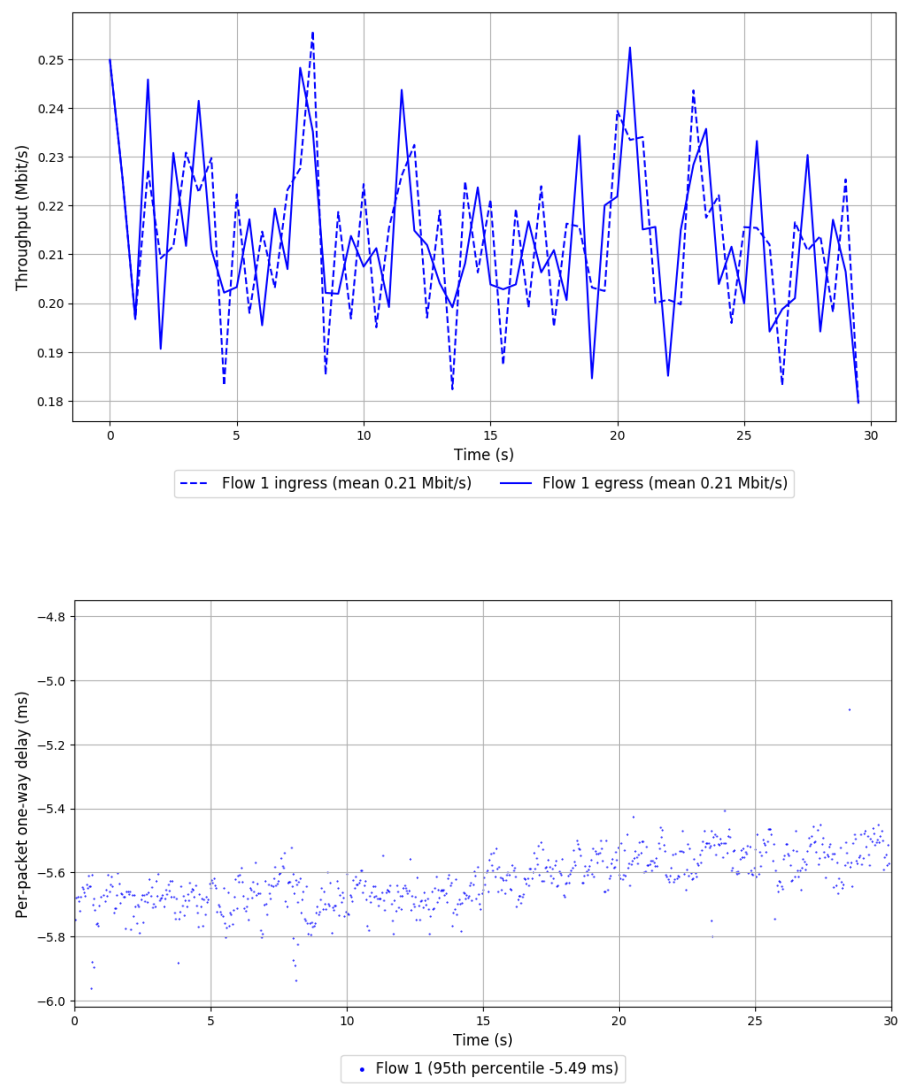

Flow 1 ingress (mean 92.58 Mbit/s) --- Flow 1 egress (mean 92.08 Mbit/s)

Flow 1 (95th percentile 26.86 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-02 03:06:55
End at: 2018-01-02 03:07:25
Local clock offset: -1.645 ms
Remote clock offset: -7.522 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 32.159 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 32.159 ms
Loss rate: 0.44%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 92.50 Mbit/s)   Flow 1 egress (mean 91.99 Mbit/s)
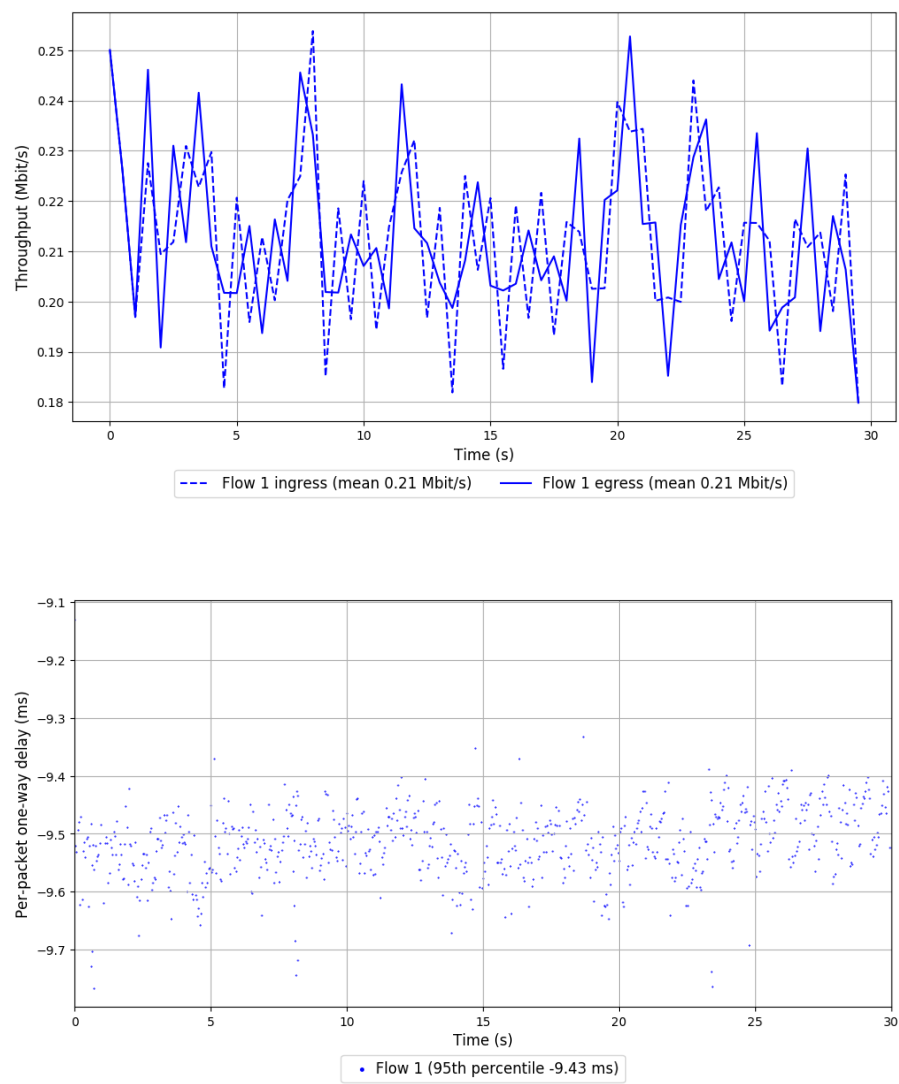

Flow 1 (95th percentile 32.16 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-01-02 00:43:34
End at: 2018-01-02 00:44:04
Local clock offset: -6.485 ms
Remote clock offset: -9.631 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.560 ms
Loss rate: 0.00%
```
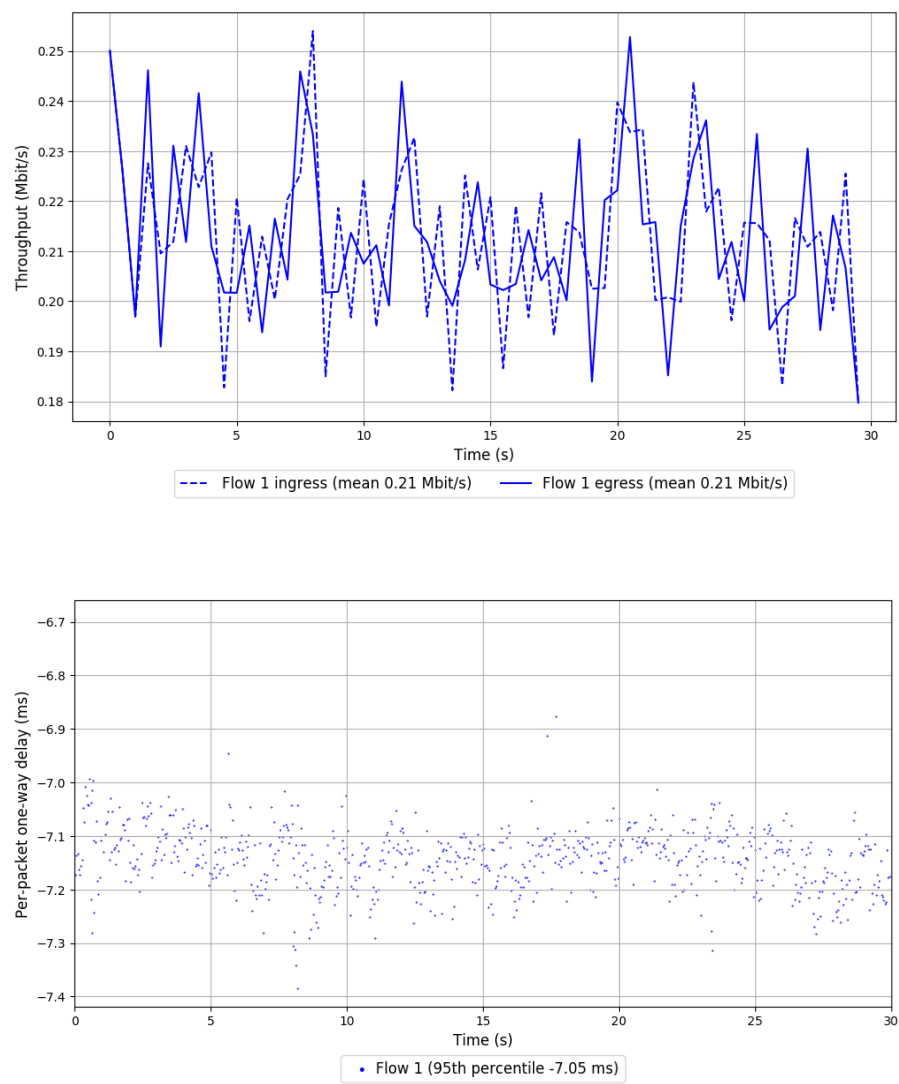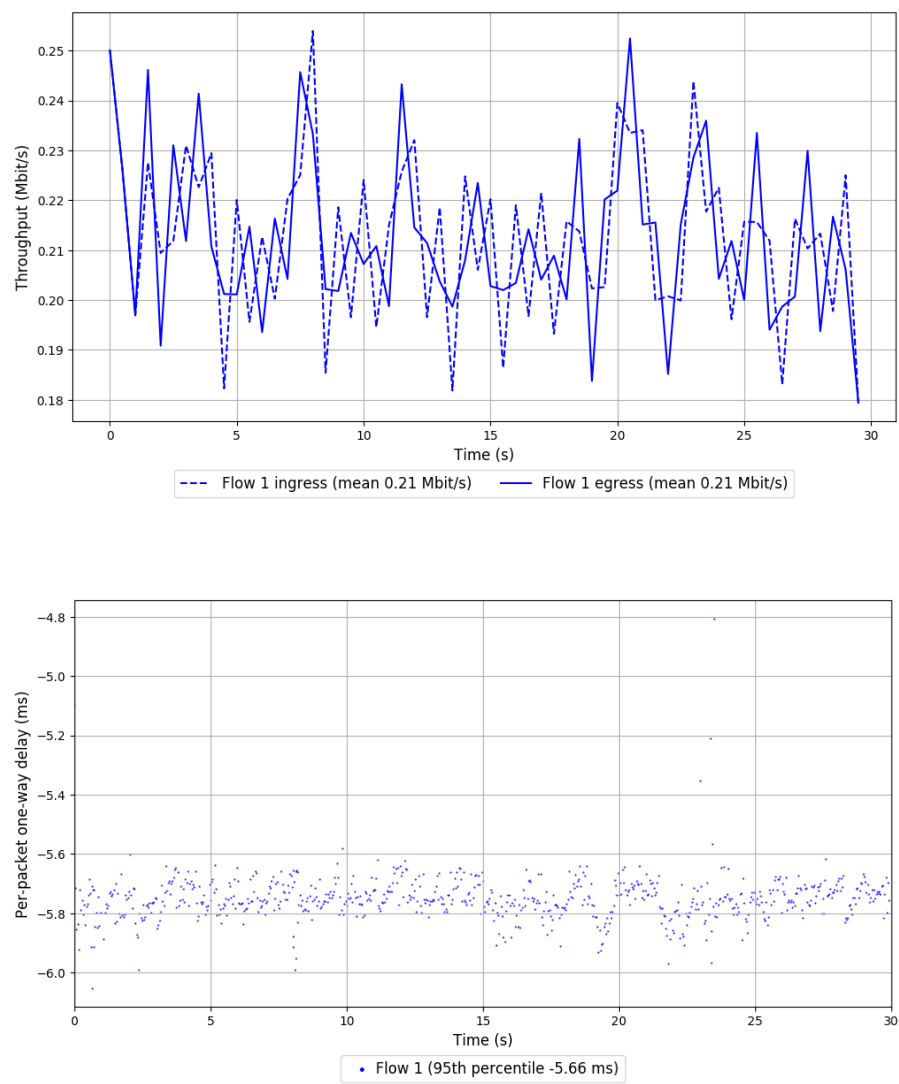
Run 1: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s)   Flow 1 egress (mean 0.21 Mbit/s)

Flow 1 (95th percentile -6.56 ms)

```
Run 2: Statistics of SCReAM

Start at: 2018-01-02 01:00:54
End at: 2018-01-02 01:01:24
Local clock offset: -3.076 ms
Remote clock offset: -8.285 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.492 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s) — — — Flow 1 egress (mean 0.21 Mbit/s)

Flow 1 (95th percentile -5.49 ms)

```
Run 3: Statistics of SCReAM

Start at: 2018-01-02 01:18:18
End at: 2018-01-02 01:18:48
Local clock offset: 0.553 ms
Remote clock offset: -10.409 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.426 ms
Loss rate: 0.00%
```
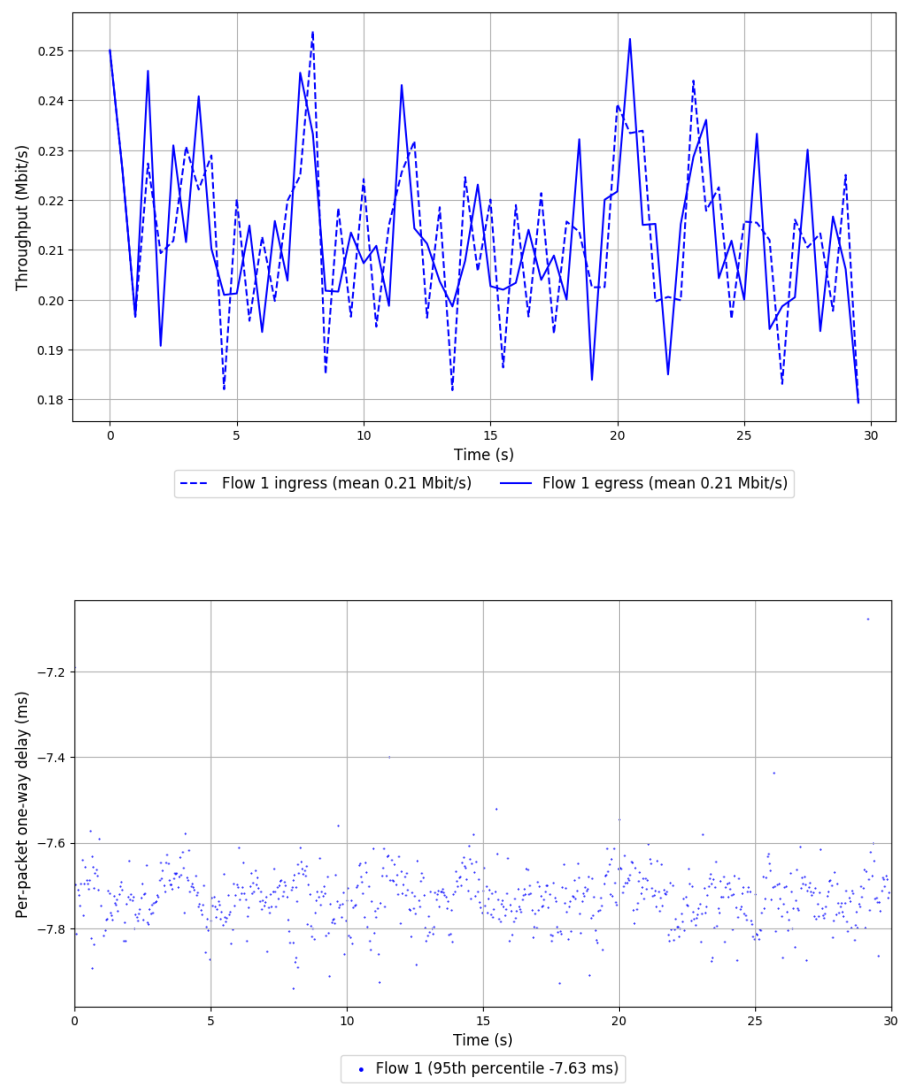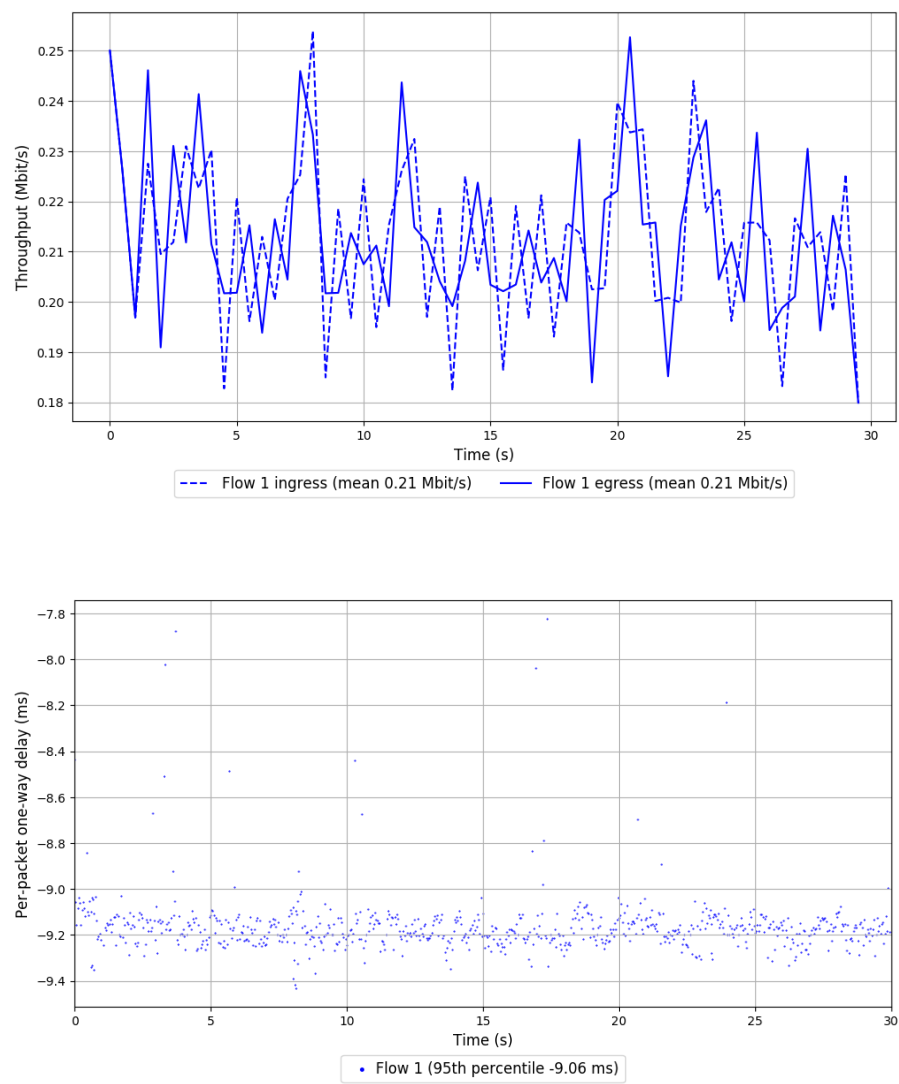
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2018-01-02 01:36:06
End at: 2018-01-02 01:36:36
Local clock offset: 1.837 ms
Remote clock offset: -7.463 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.052 ms
Loss rate: 0.00%
```
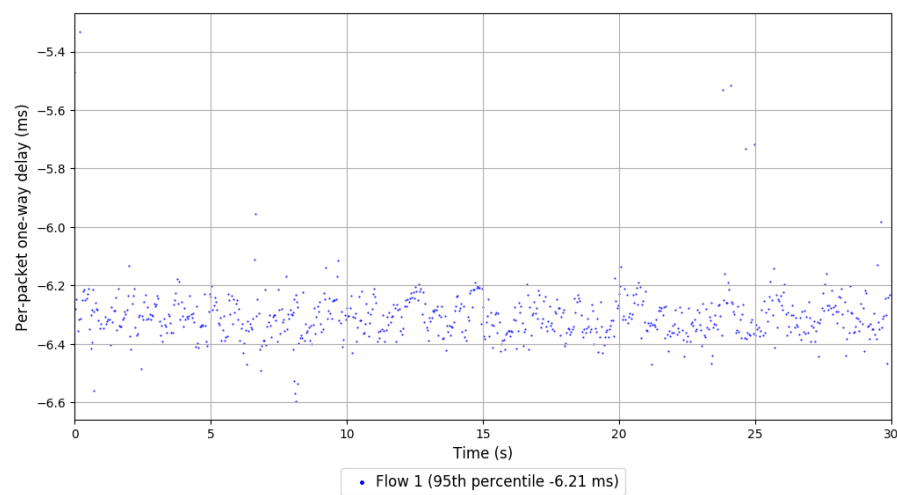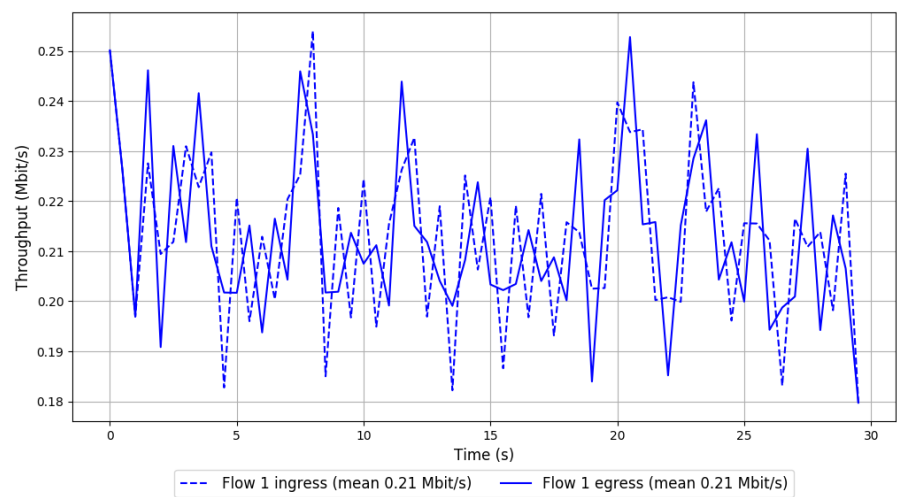
Run 4: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s)   Flow 1 egress (mean 0.21 Mbit/s)

Flow 1 (95th percentile -7.05 ms)

```
Run 5: Statistics of SCReAM

Start at: 2018-01-02 01:53:46
End at: 2018-01-02 01:54:16
Local clock offset: -1.411 ms
Remote clock offset: -8.722 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.659 ms
Loss rate: 0.00%
```
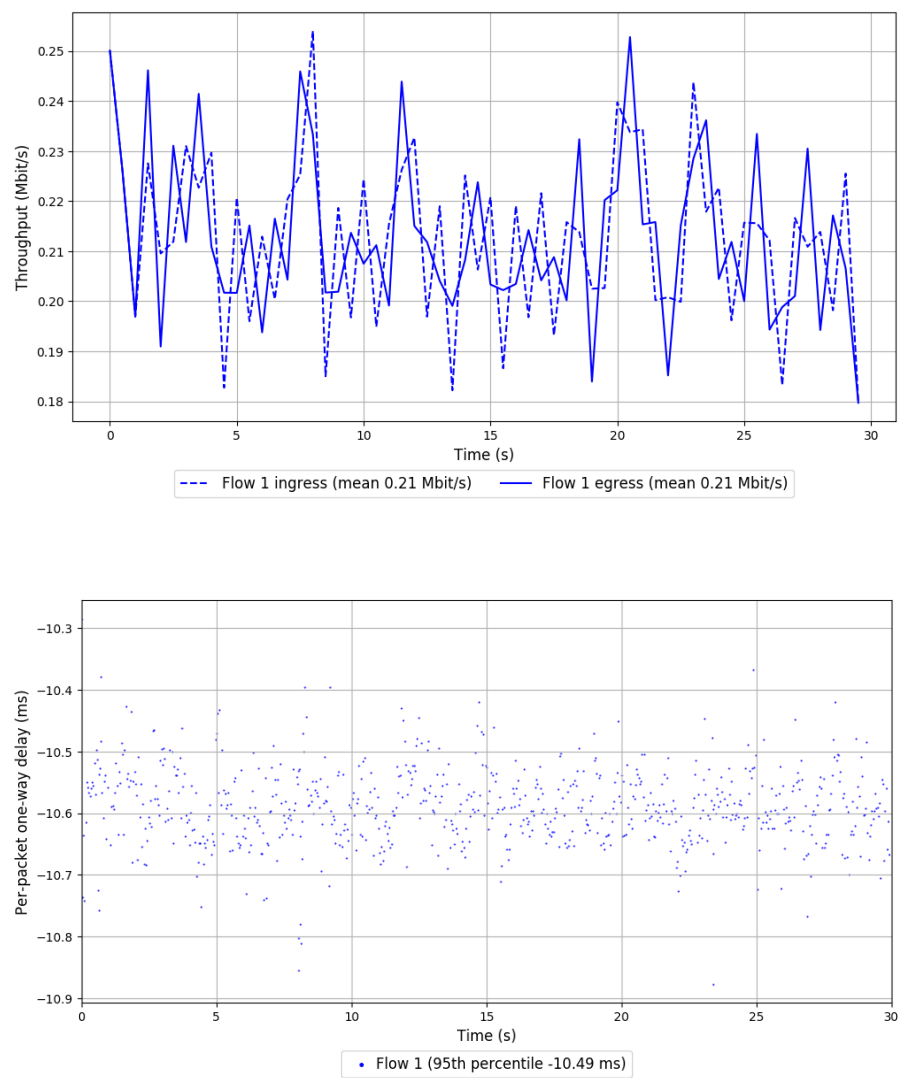
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2018-01-02 02:11:19
End at: 2018-01-02 02:11:49
Local clock offset: 1.531 ms
Remote clock offset: -7.83 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.635 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.635 ms
Loss rate: 0.00%
```
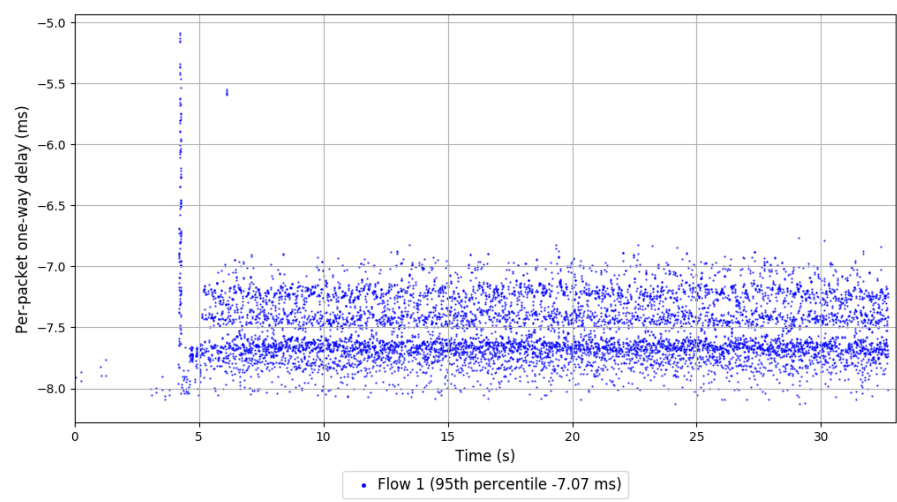
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-01-02 02:29:13
End at: 2018-01-02 02:29:43
Local clock offset: 0.115 ms
Remote clock offset: -10.582 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.060 ms
Loss rate: 0.00%
```

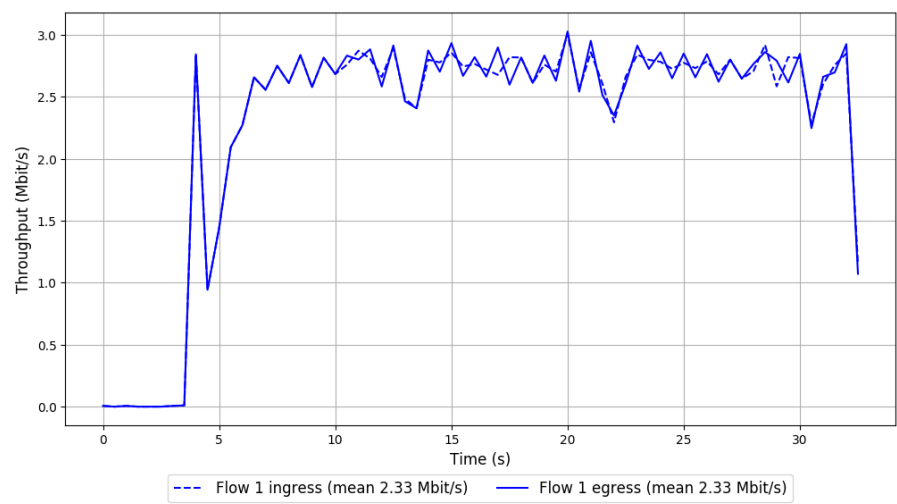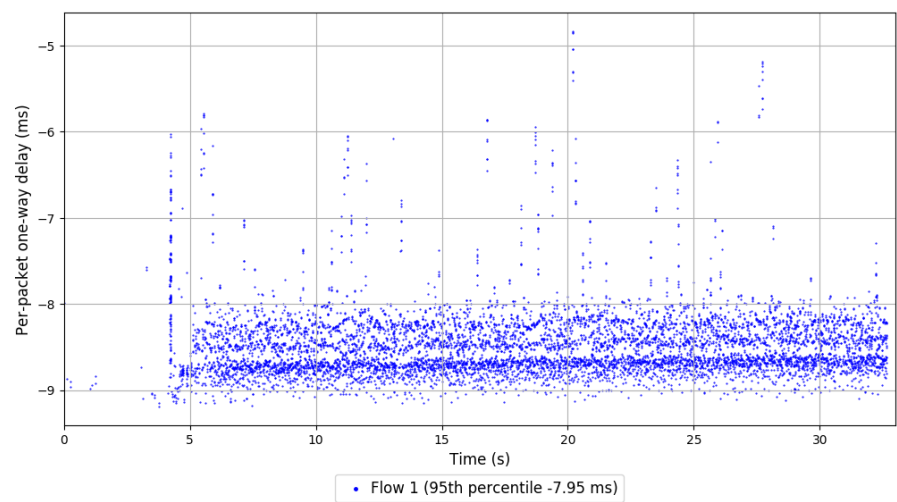Run 7: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s) — Flow 1 egress (mean 0.21 Mbit/s)

Flow 1 (95th percentile -9.06 ms)

```
Run 8: Statistics of SCReAM

Start at: 2018-01-02 02:46:57
End at: 2018-01-02 02:47:27
Local clock offset: -0.019 ms
Remote clock offset: -7.865 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.208 ms
Loss rate: 0.00%
```
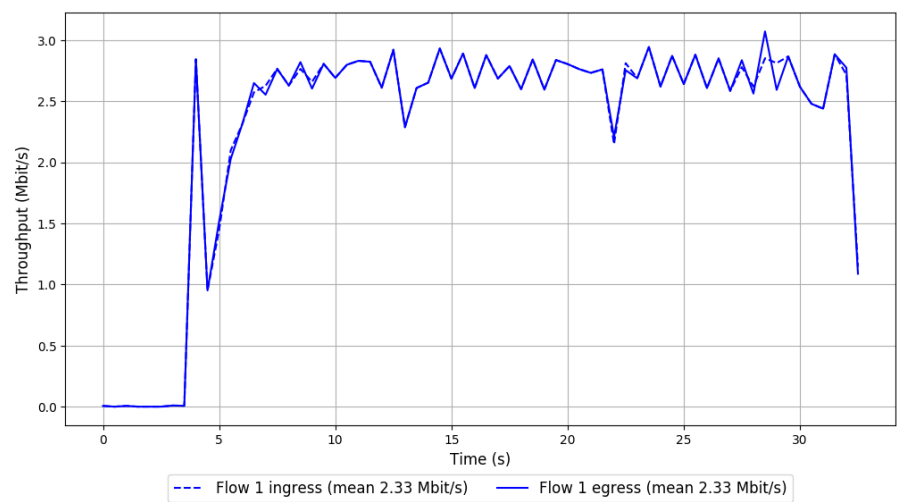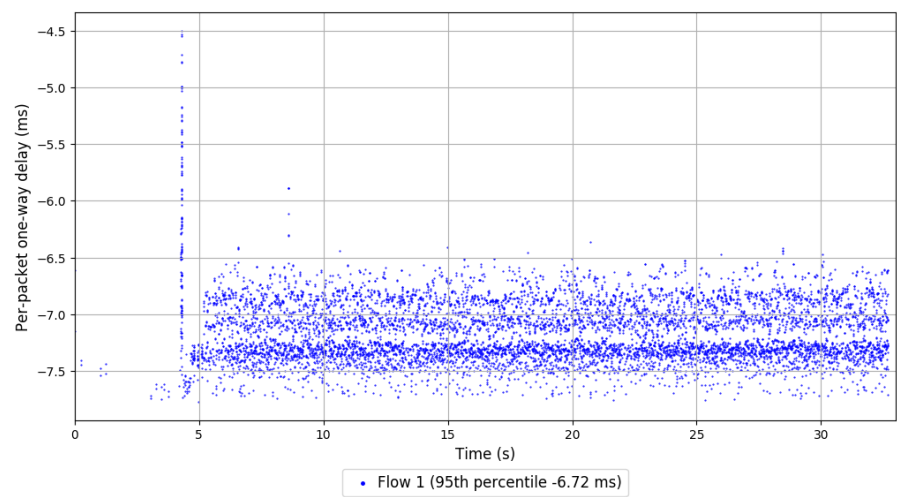
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2018-01-02 03:04:38
End at: 2018-01-02 03:05:08
Local clock offset: 1.941 ms
Remote clock offset: -10.217 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.486 ms
Loss rate: 0.00%
```

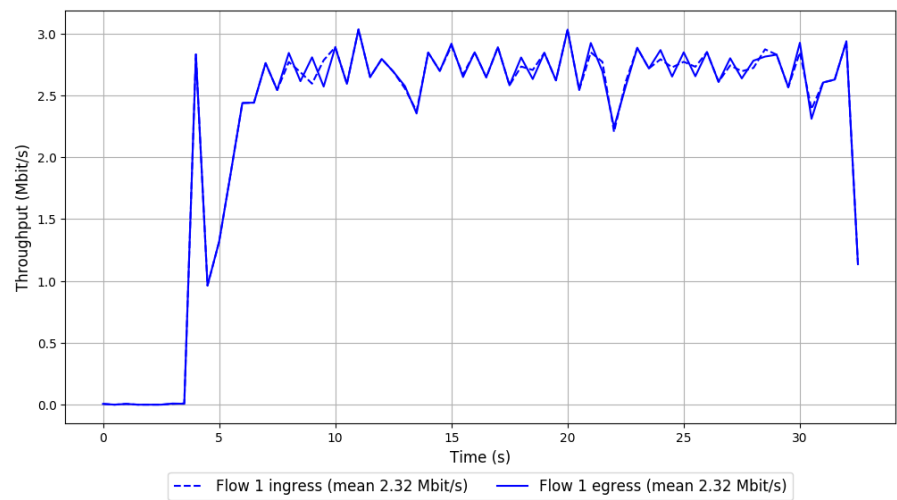# Run 9: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s)   —— Flow 1 egress (mean 0.21 Mbit/s)

• Flow 1 (95th percentile -10.49 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-01-02 03:22:13
End at: 2018-01-02 03:22:43
Local clock offset: 1.101 ms
Remote clock offset: -9.709 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.066 ms
Loss rate: 0.00%
```
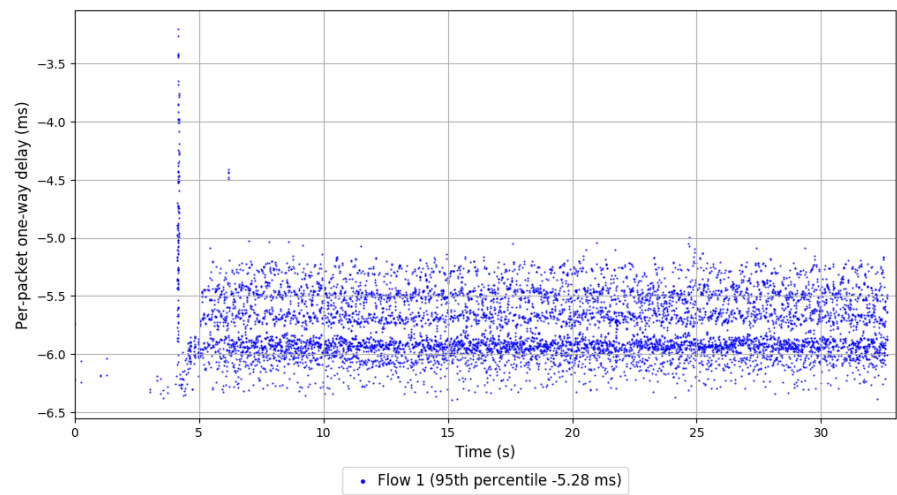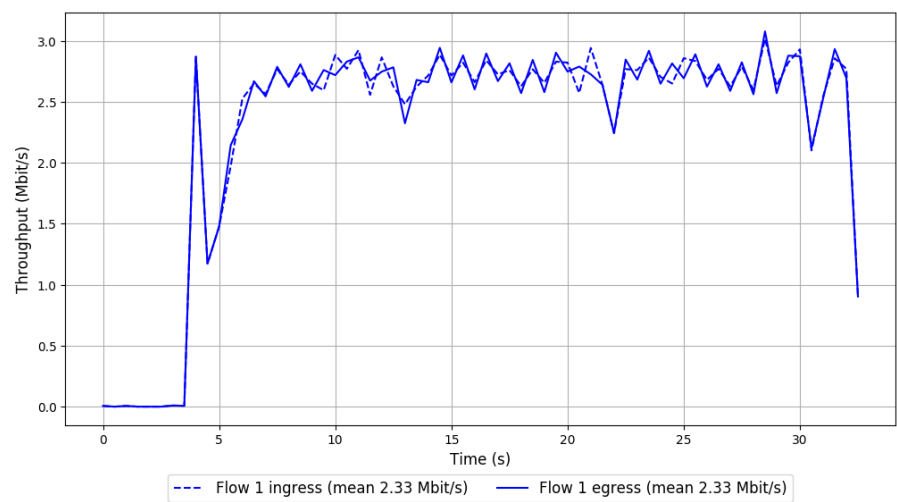
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2018-01-02 00:37:50
End at: 2018-01-02 00:38:20
Local clock offset: -6.156 ms
Remote clock offset: -10.034 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.067 ms
Loss rate: 0.00%
```
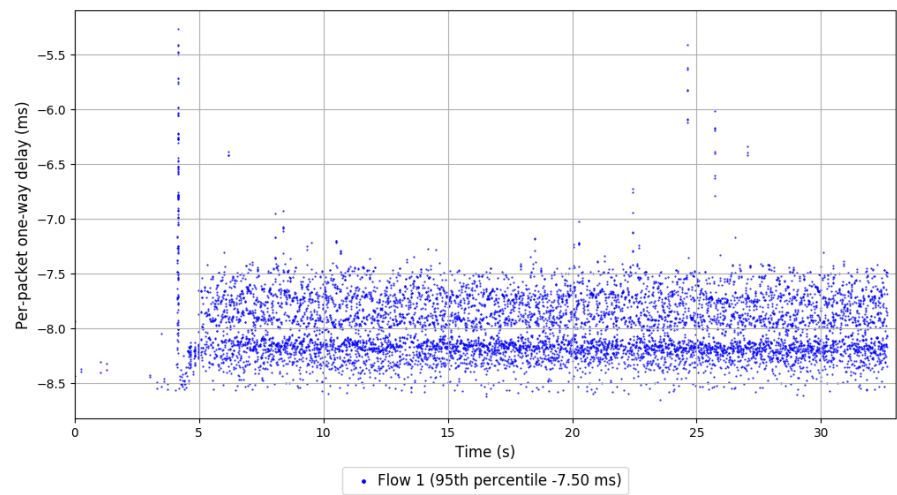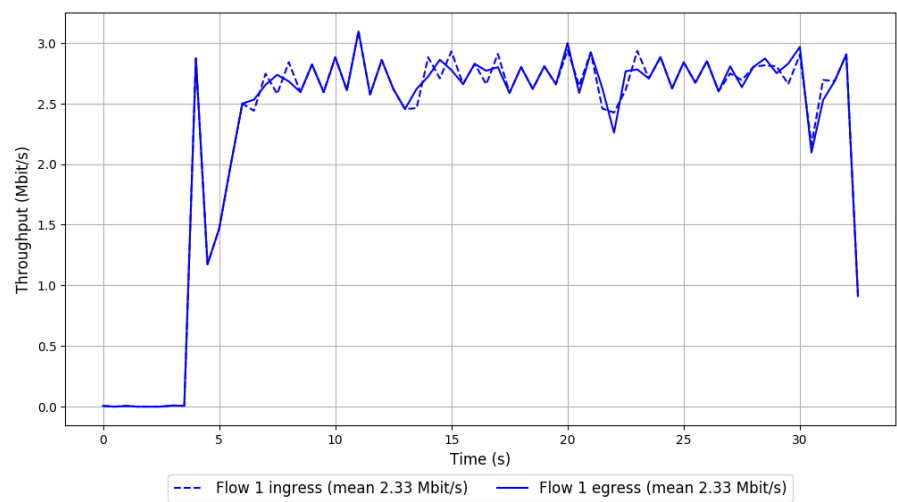
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-01-02 00:55:11
End at: 2018-01-02 00:55:41
Local clock offset: -2.831 ms
Remote clock offset: -9.966 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.950 ms
Loss rate: 0.00%
```
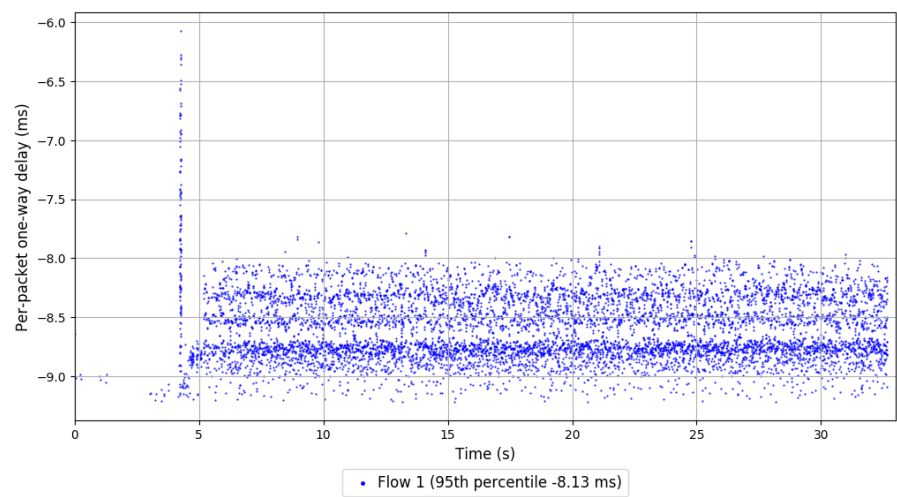
Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.33 Mbit/s)   Flow 1 egress (mean 2.33 Mbit/s)

Flow 1 (95th percentile -7.95 ms)

```
Run 3: Statistics of WebRTC media

Start at: 2018-01-02 01:12:35
End at: 2018-01-02 01:13:05
Local clock offset: 0.387 ms
Remote clock offset: -8.309 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -6.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -6.718 ms
Loss rate: 0.00%
```
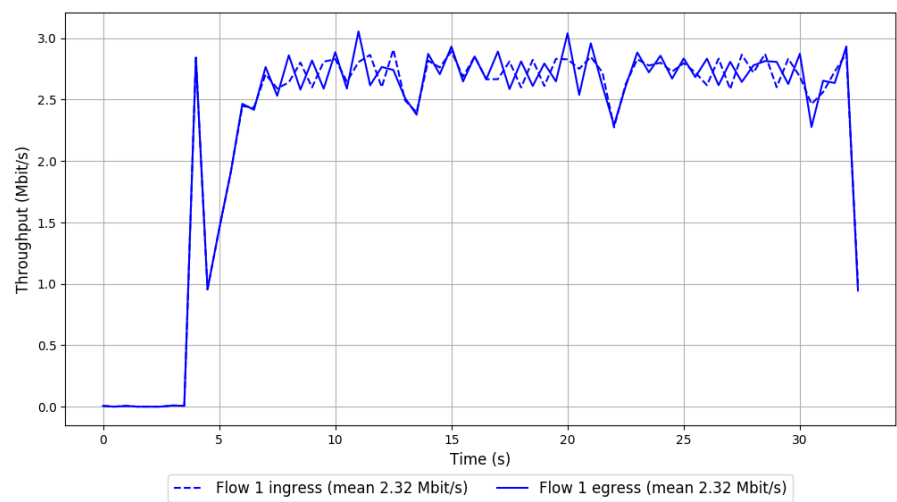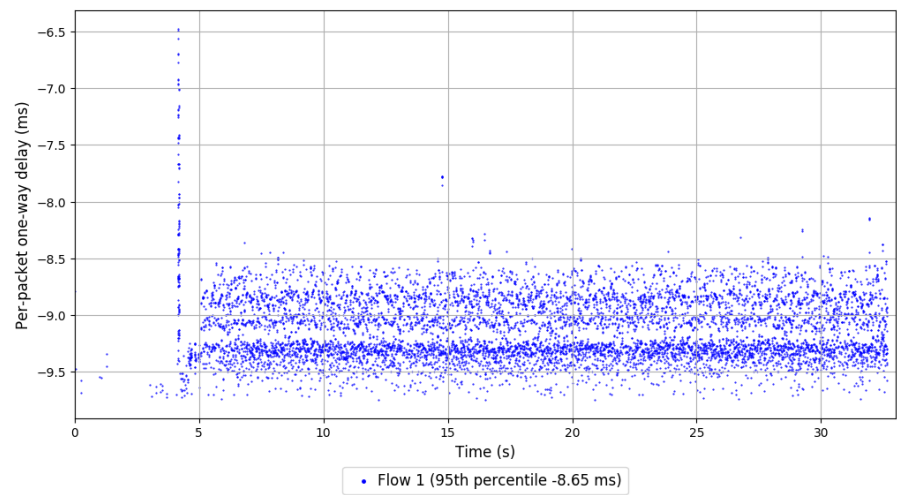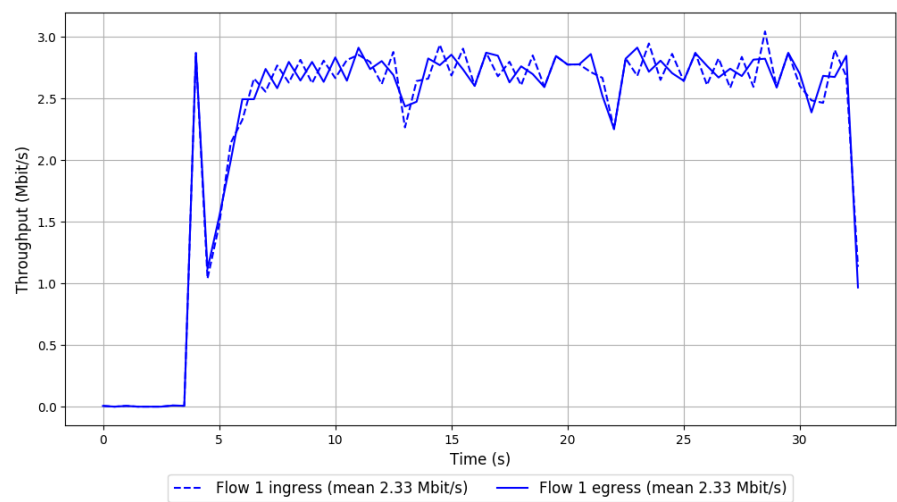
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.32 Mbit/s)   Flow 1 egress (mean 2.32 Mbit/s)

Flow 1 (95th percentile -6.72 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2018-01-02 01:30:20
End at: 2018-01-02 01:30:50
Local clock offset: -1.465 ms
Remote clock offset: -9.715 ms


# Below is generated by plot.py at 2018-01-02 03:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -5.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -5.275 ms
Loss rate: 0.00%
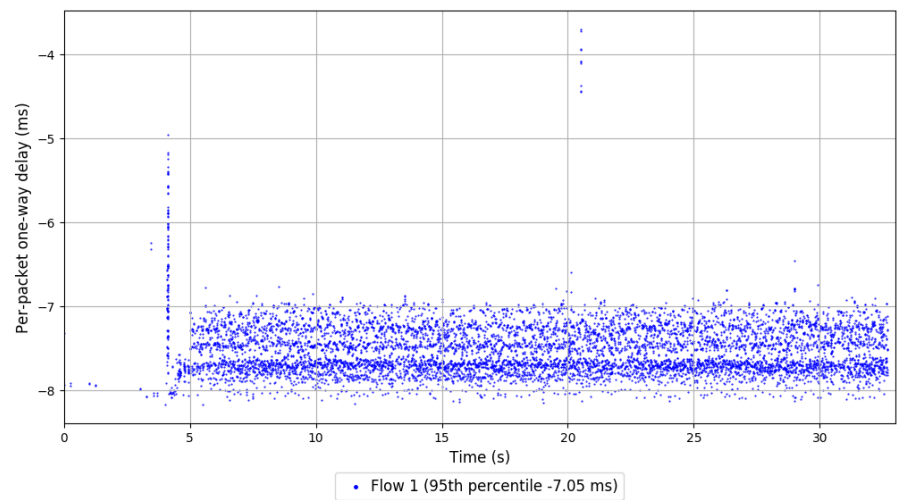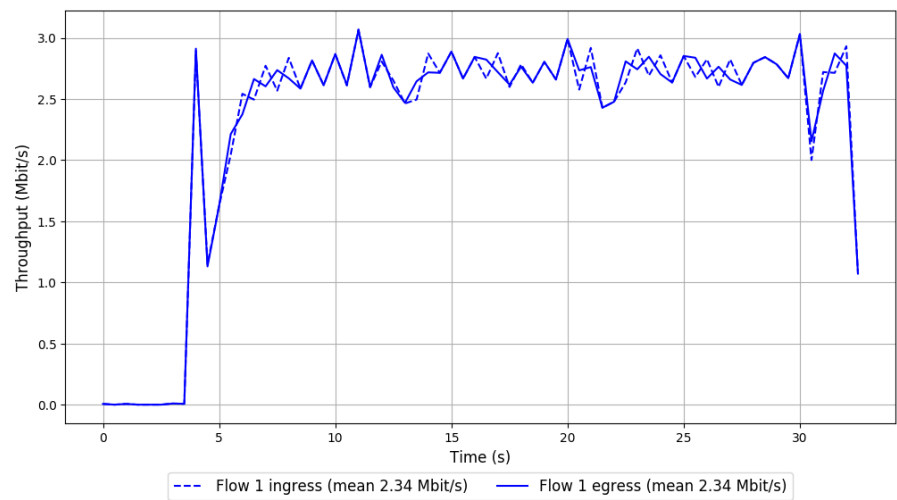```

Run 4: Report of WebRTC media — Data Link



Flow 1 ingress (mean 2.33 Mbit/s) — — — Flow 1 egress (mean 2.33 Mbit/s)



• Flow 1 (95th percentile -5.28 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2018-01-02 01:47:58
End at: 2018-01-02 01:48:28
Local clock offset: 2.02 ms
Remote clock offset: -7.889 ms

Below is generated by plot.py at 2018-01-02 03:55:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.504 ms
Loss rate: 0.00%
```
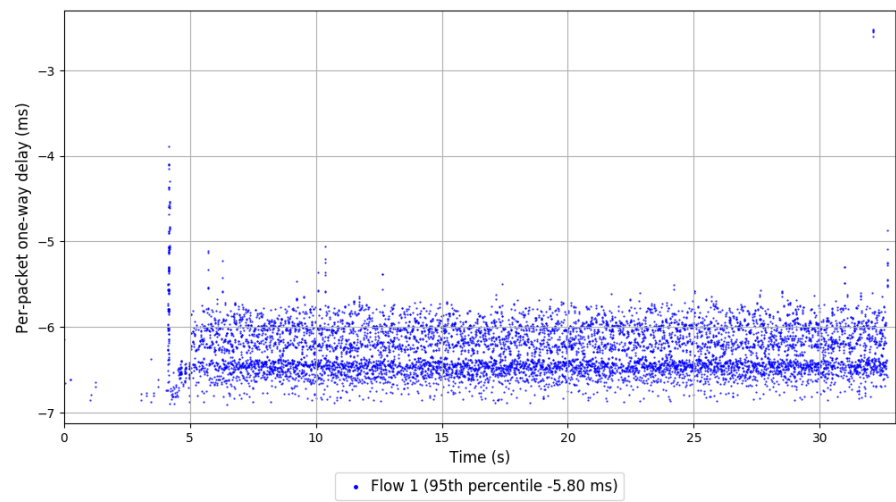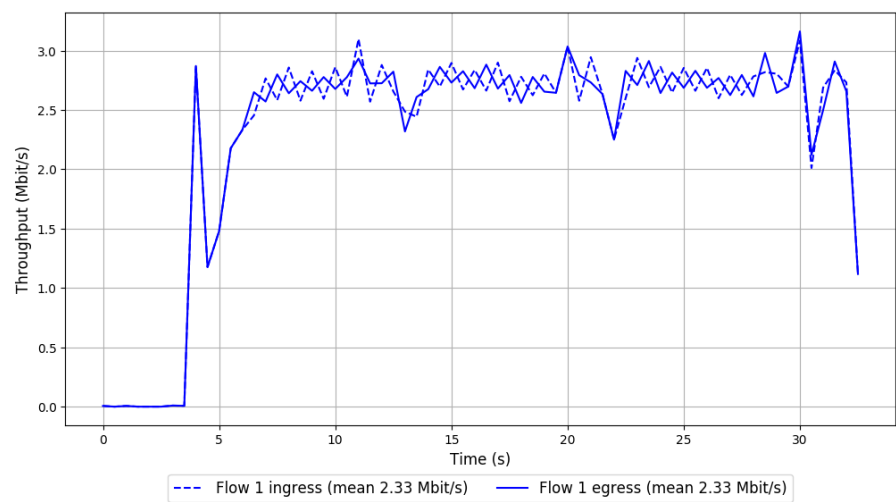
Run 5: Report of WebRTC media — Data Link



Flow 1 ingress (mean 2.33 Mbit/s)          Flow 1 egress (mean 2.33 Mbit/s)



Flow 1 (95th percentile -7.50 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-01-02 02:05:36
End at: 2018-01-02 02:06:06
Local clock offset: 1.501 ms
Remote clock offset: -8.92 ms

Below is generated by plot.py at 2018-01-02 03:55:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -8.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -8.134 ms
Loss rate: 0.00%
```
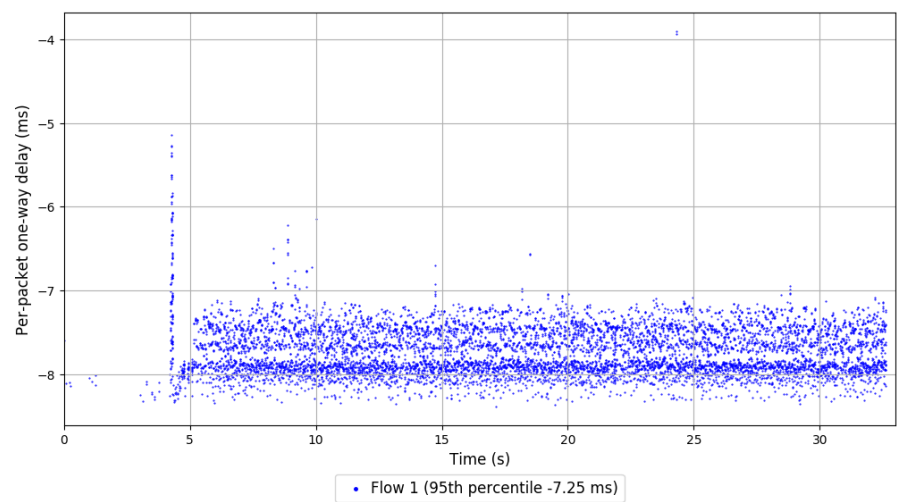
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-01-02 02:23:23
End at: 2018-01-02 02:23:53
Local clock offset: 1.486 ms
Remote clock offset: -9.533 ms

Below is generated by plot.py at 2018-01-02 03:55:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -8.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -8.652 ms
Loss rate: 0.00%
```
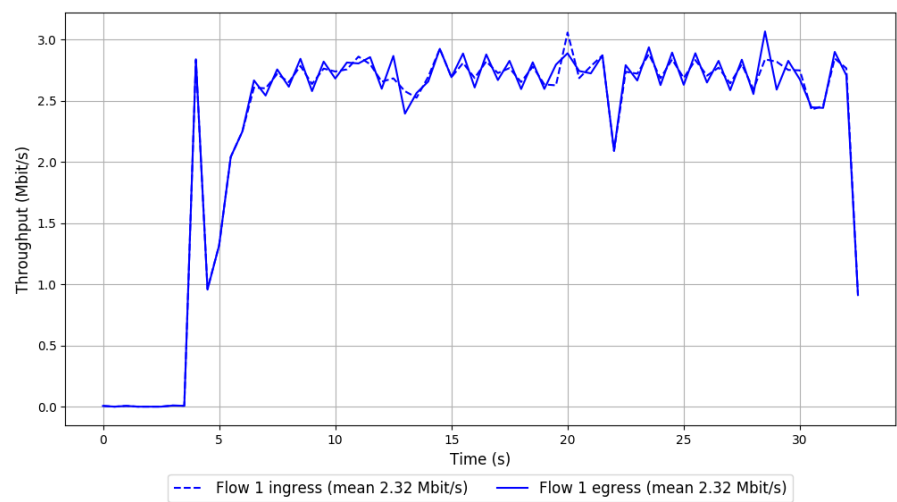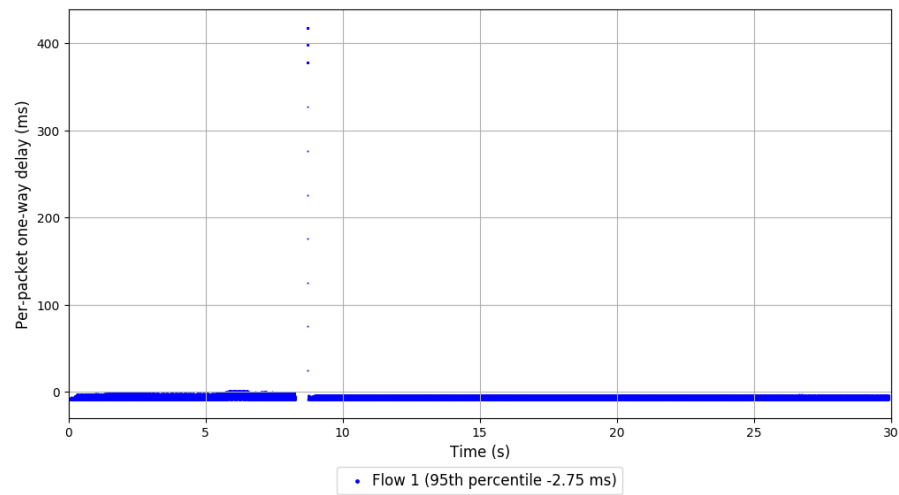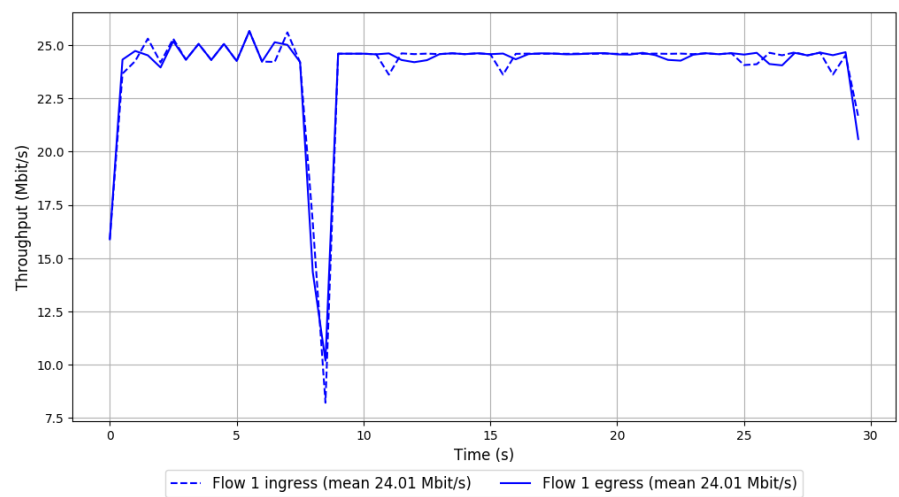
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-01-02 02:41:12
End at: 2018-01-02 02:41:42
Local clock offset: -1.436 ms
Remote clock offset: -10.857 ms

Below is generated by plot.py at 2018-01-02 03:55:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.049 ms
Loss rate: 0.00%
```
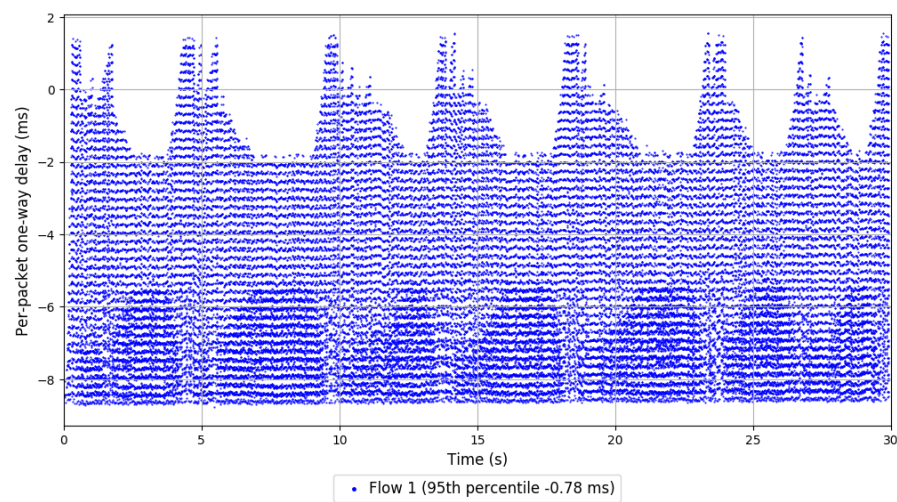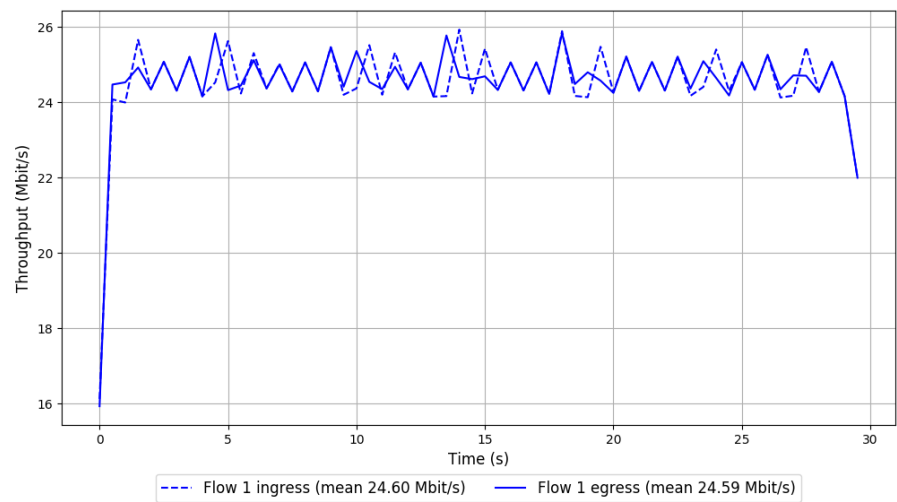
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-01-02 02:58:53
End at: 2018-01-02 02:59:23
Local clock offset: -2.265 ms
Remote clock offset: -10.312 ms

Below is generated by plot.py at 2018-01-02 03:55:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -5.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -5.804 ms
Loss rate: 0.00%
```
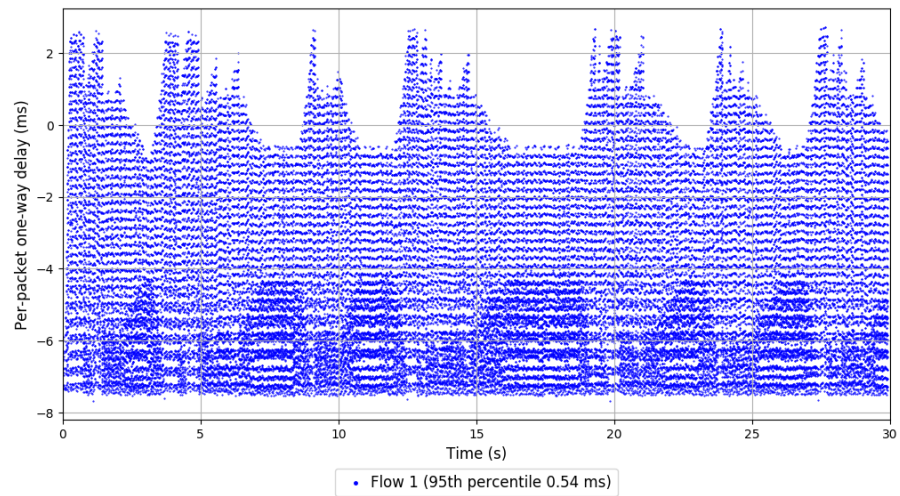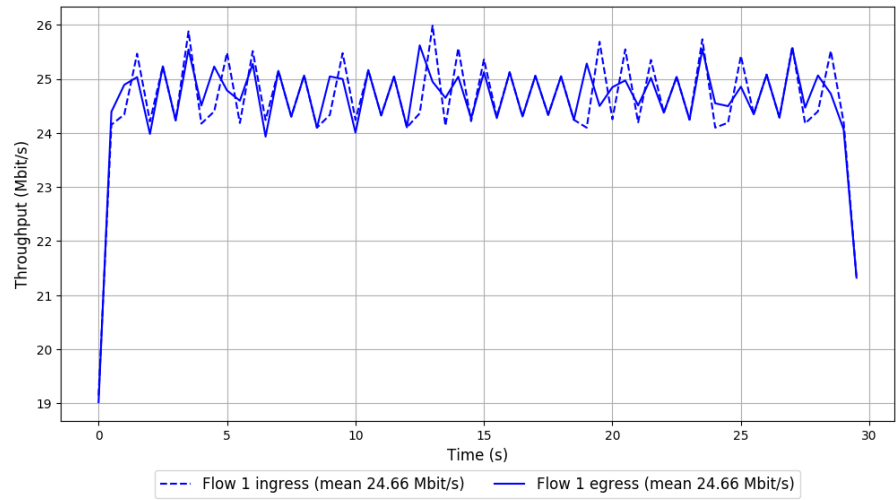
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-01-02 03:16:30
End at: 2018-01-02 03:17:00
Local clock offset: 0.816 ms
Remote clock offset: -8.823 ms

Below is generated by plot.py at 2018-01-02 03:55:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -7.251 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -7.251 ms
Loss rate: 0.00%
```
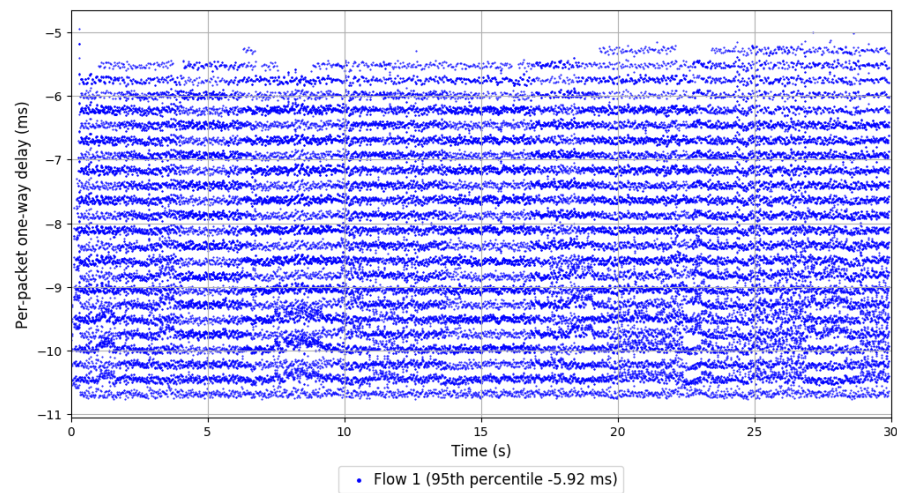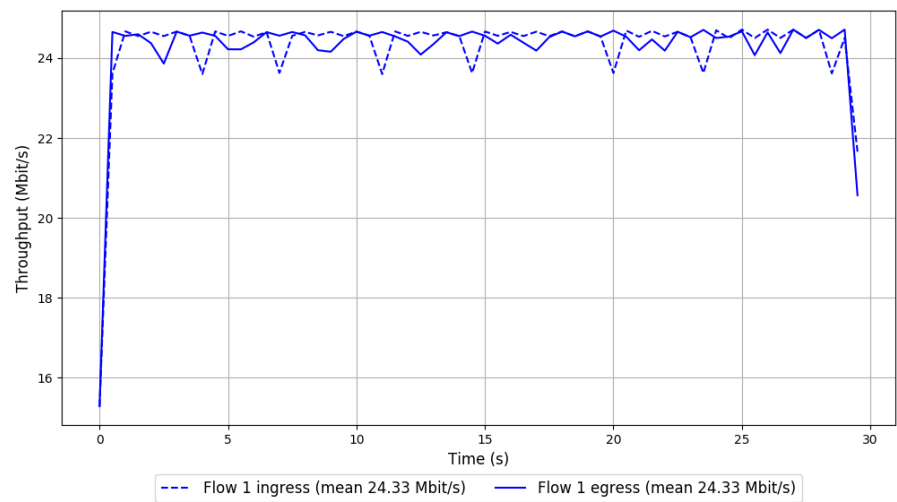
Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2018-01-02 00:38:54
End at: 2018-01-02 00:39:24
Local clock offset: -5.786 ms
Remote clock offset: -10.594 ms

Below is generated by plot.py at 2018-01-02 03:55:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: -2.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: -2.748 ms
Loss rate: 0.00%
```
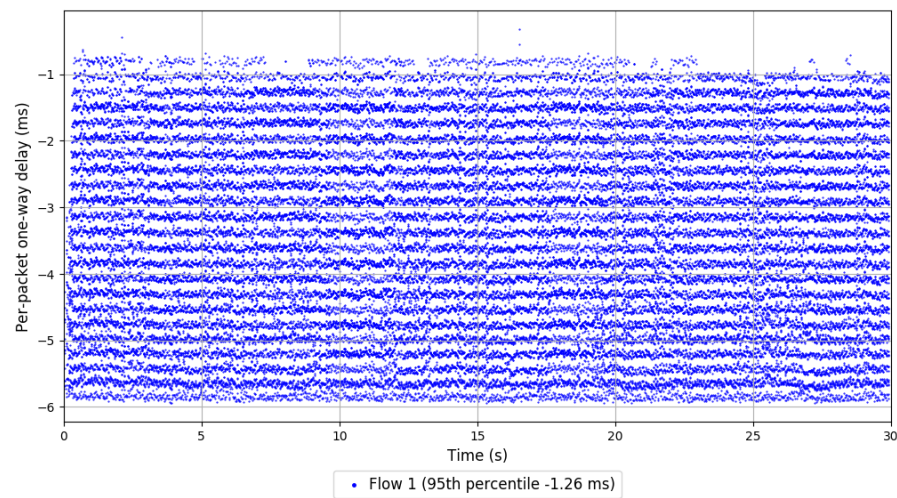
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-01-02 00:56:16
End at: 2018-01-02 00:56:46
Local clock offset: -2.977 ms
Remote clock offset: -10.121 ms

# Below is generated by plot.py at 2018-01-02 03:55:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: -0.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: -0.775 ms
Loss rate: 0.00%
```

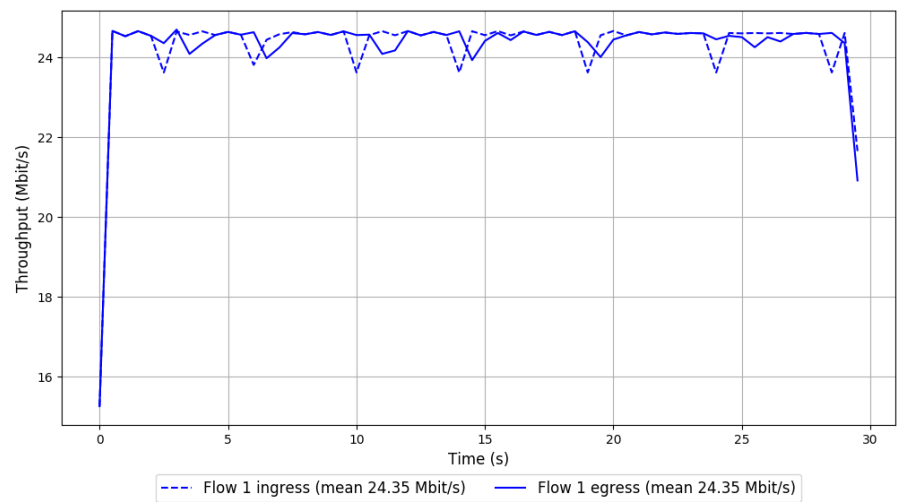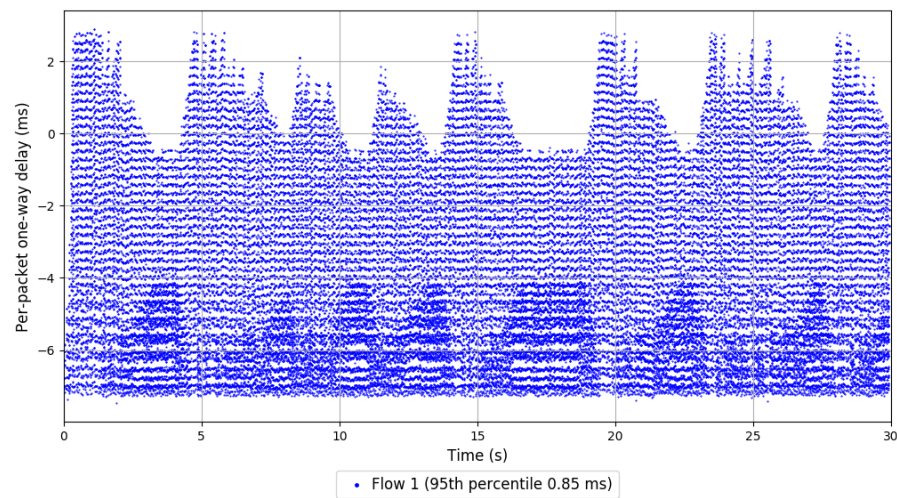Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2018-01-02 01:13:40
End at: 2018-01-02 01:14:10
Local clock offset: 0.082 ms
Remote clock offset: -8.662 ms


# Below is generated by plot.py at 2018-01-02 03:55:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 0.538 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 0.538 ms
Loss rate: 0.00%
```
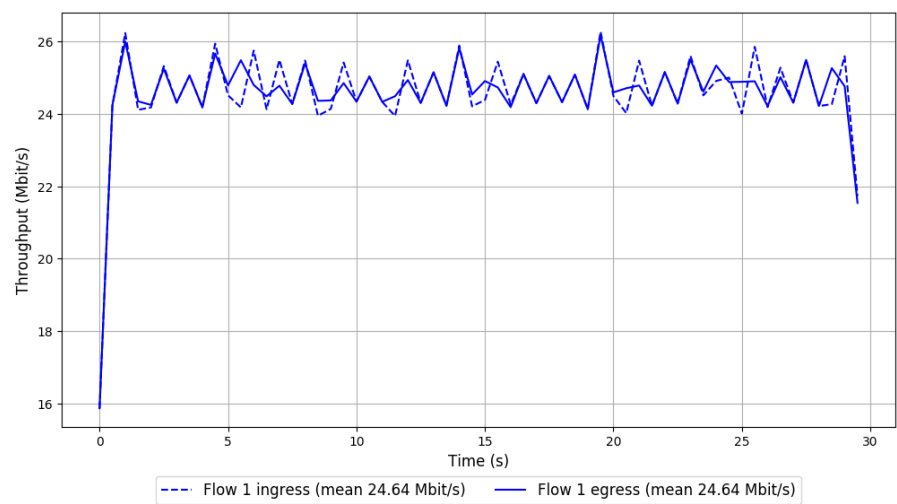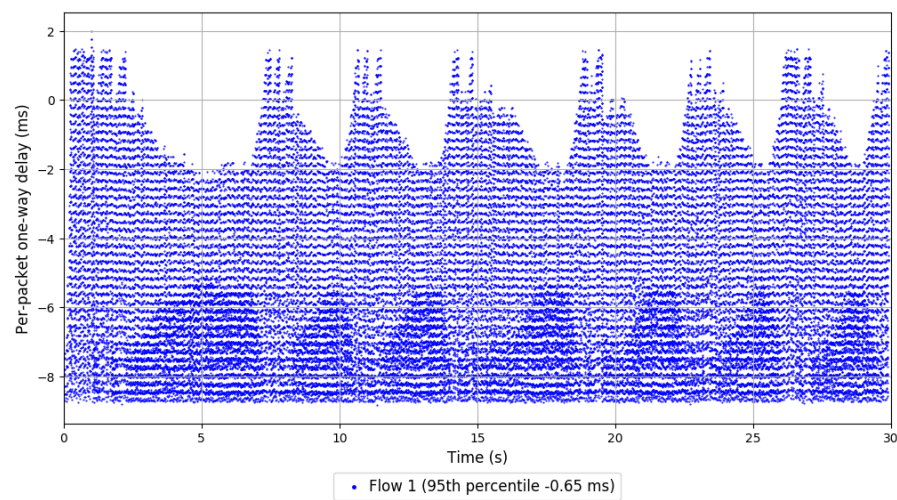
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 24.66 Mbit/s) ----   Flow 1 egress (mean 24.66 Mbit/s) ——

• Flow 1 (95th percentile 0.54 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-01-02 01:31:24
End at: 2018-01-02 01:31:54
Local clock offset: 1.597 ms
Remote clock offset: -11.285 ms


# Below is generated by plot.py at 2018-01-02 03:55:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: -5.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: -5.917 ms
Loss rate: 0.00%
```

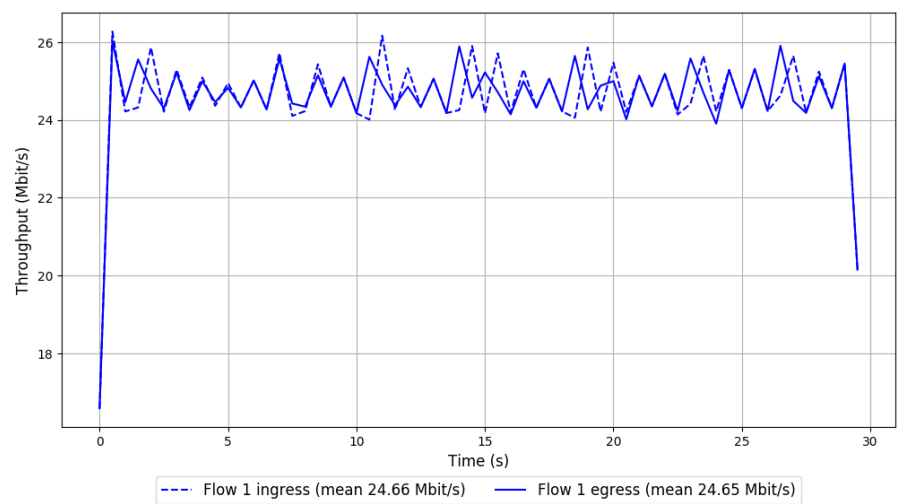Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2018-01-02 01:49:03
End at: 2018-01-02 01:49:33
Local clock offset: -1.695 ms
Remote clock offset: -9.129 ms


# Below is generated by plot.py at 2018-01-02 03:55:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: -1.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: -1.261 ms
Loss rate: 0.00%
```

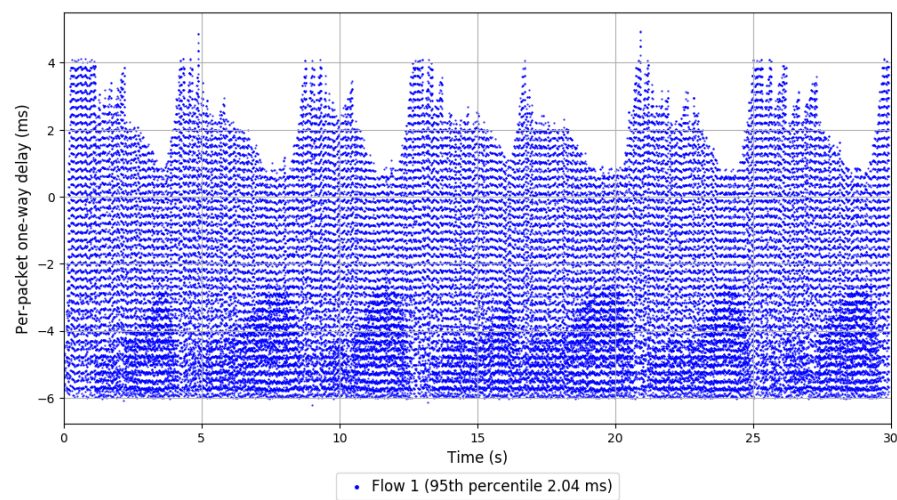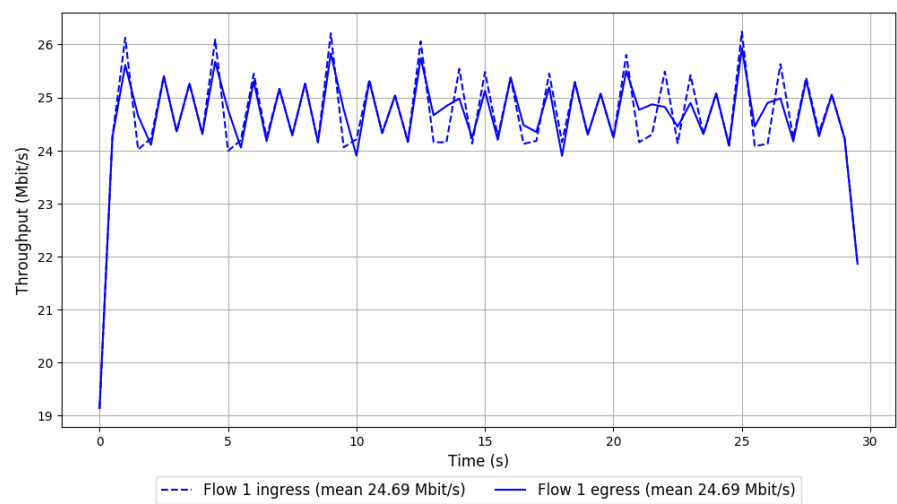Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 24.35 Mbit/s) ----- Flow 1 egress (mean 24.35 Mbit/s)

• Flow 1 (95th percentile -1.26 ms)

```
Run 6: Statistics of Sprout

Start at: 2018-01-02 02:06:41
End at: 2018-01-02 02:07:11
Local clock offset: 0.731 ms
Remote clock offset: -8.028 ms


# Below is generated by plot.py at 2018-01-02 03:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 0.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 0.847 ms
Loss rate: 0.00%
```
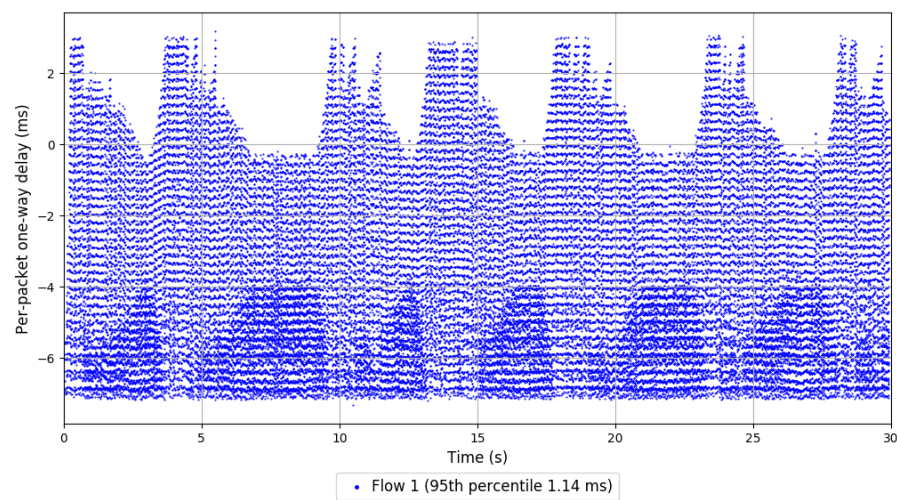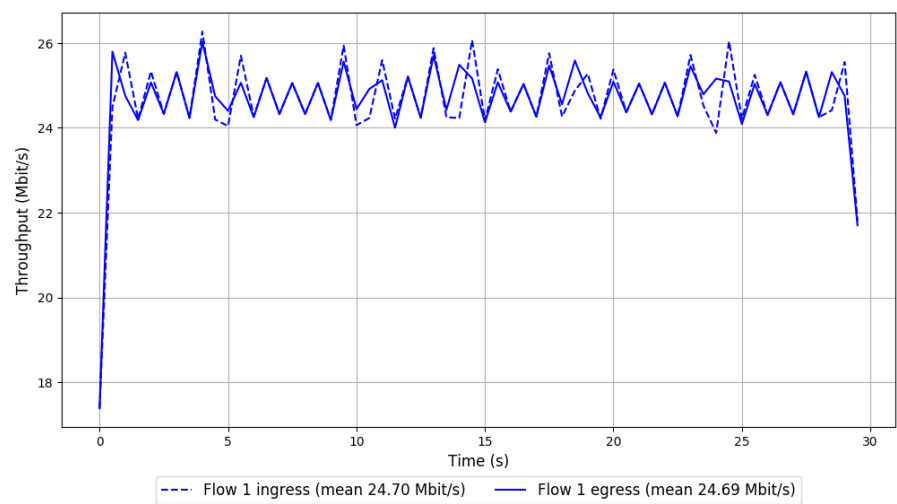
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 24.64 Mbit/s)   Flow 1 egress (mean 24.64 Mbit/s)

Flow 1 (95th percentile 0.85 ms)

```
Run 7: Statistics of Sprout

Start at: 2018-01-02 02:24:28
End at: 2018-01-02 02:24:58
Local clock offset: 1.404 ms
Remote clock offset: -8.874 ms


# Below is generated by plot.py at 2018-01-02 03:56:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: -0.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: -0.650 ms
Loss rate: 0.00%
```
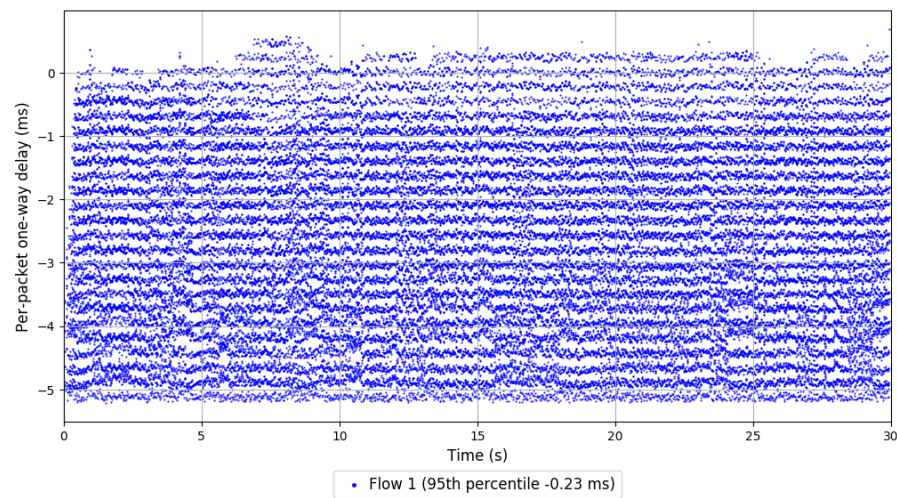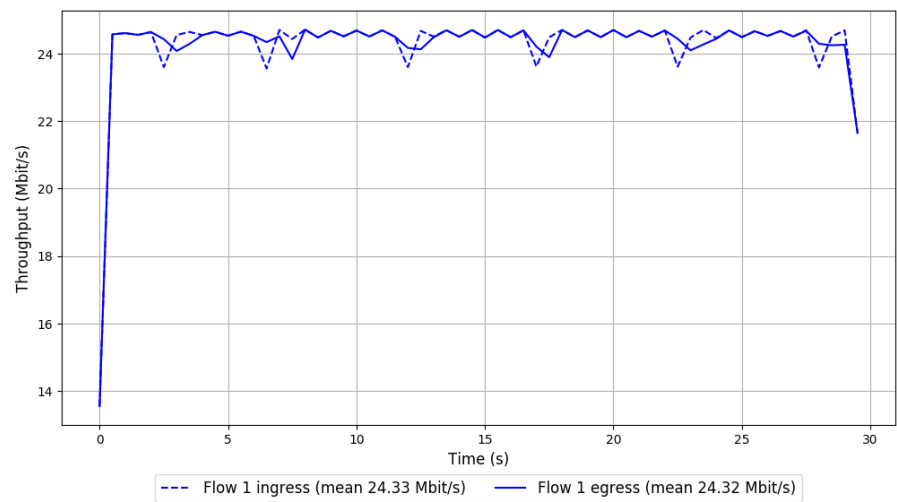
Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2018-01-02 02:42:17
End at: 2018-01-02 02:42:47
Local clock offset: -0.961 ms
Remote clock offset: -8.532 ms


# Below is generated by plot.py at 2018-01-02 03:56:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 2.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 2.044 ms
Loss rate: 0.00%
```

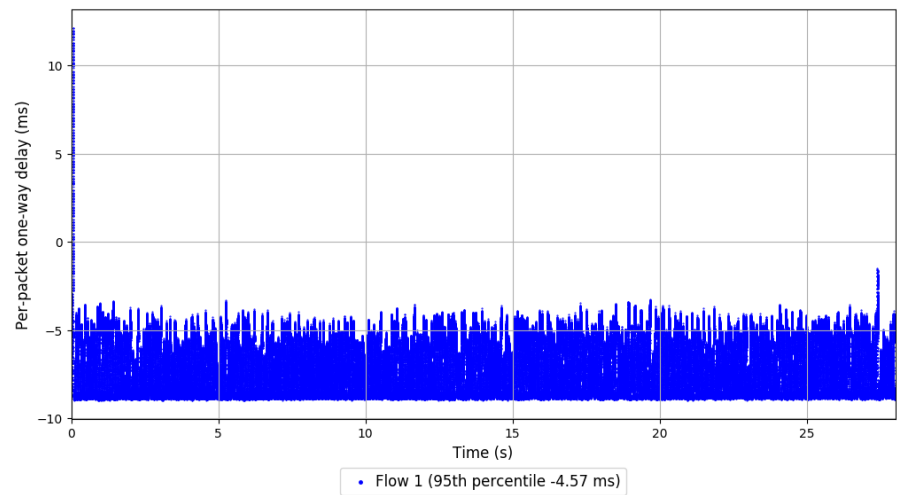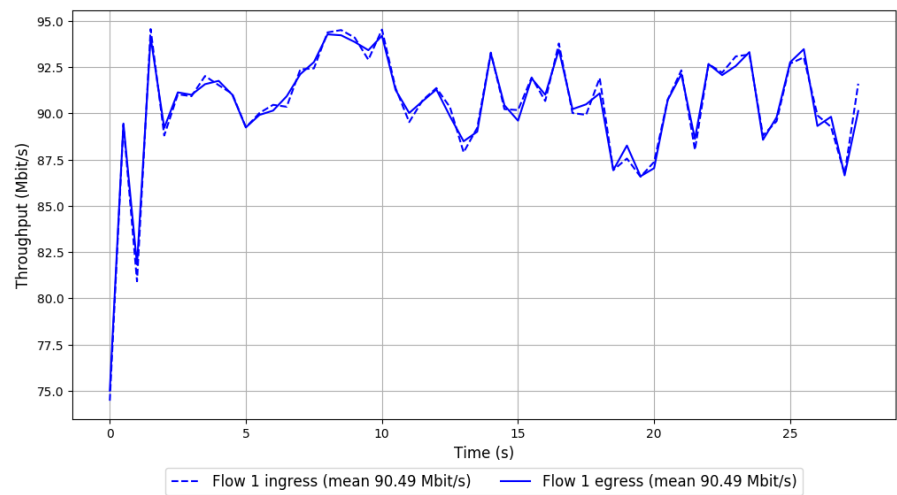Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-01-02 02:59:58
End at: 2018-01-02 03:00:28
Local clock offset: 0.309 ms
Remote clock offset: -8.256 ms


# Below is generated by plot.py at 2018-01-02 03:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.00%
```
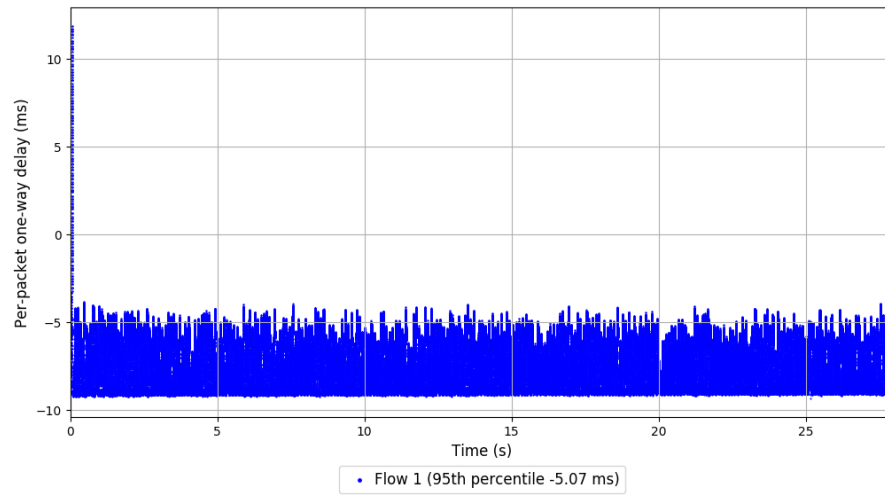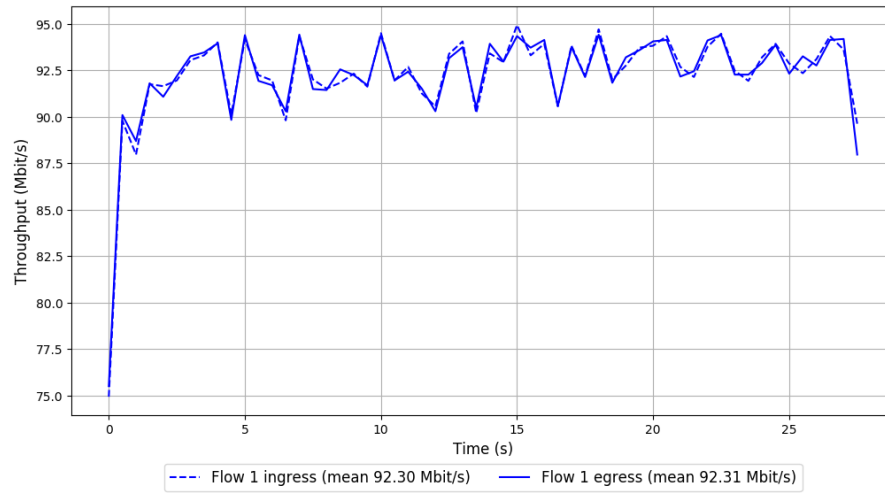
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 24.70 Mbit/s) --- Flow 1 egress (mean 24.69 Mbit/s)

Flow 1 (95th percentile 1.14 ms)

```
Run 10: Statistics of Sprout

Start at: 2018-01-02 03:17:35
End at: 2018-01-02 03:18:05
Local clock offset: -0.899 ms
Remote clock offset: -7.625 ms


# Below is generated by plot.py at 2018-01-02 03:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: -0.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: -0.230 ms
Loss rate: 0.00%
```
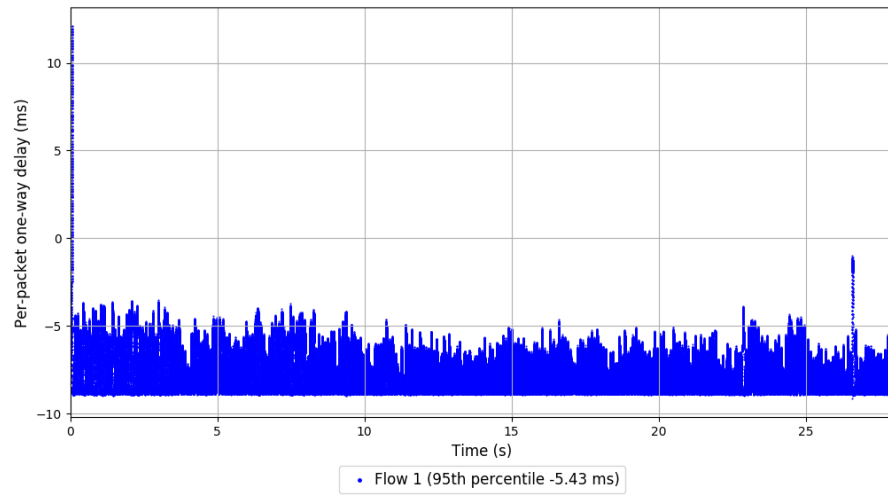
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 24.33 Mbit/s) --- Flow 1 egress (mean 24.32 Mbit/s)

• Flow 1 (95th percentile -0.23 ms)

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

Start at: 2018-01-02 00:40:00
End at: 2018-01-02 00:40:30
Local clock offset: -6.008 ms
Remote clock offset: -11.158 ms

# Below is generated by plot.py at 2018-01-02 03:58:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: -4.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: -4.565 ms
Loss rate: 0.00%
```
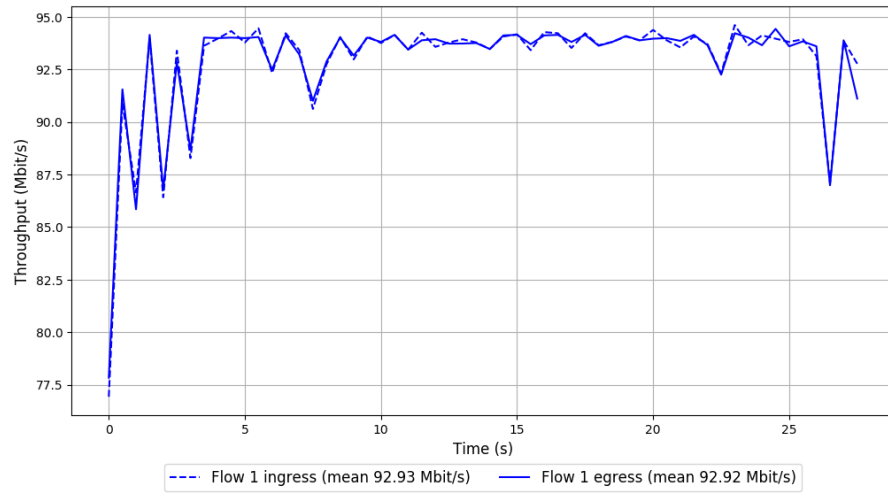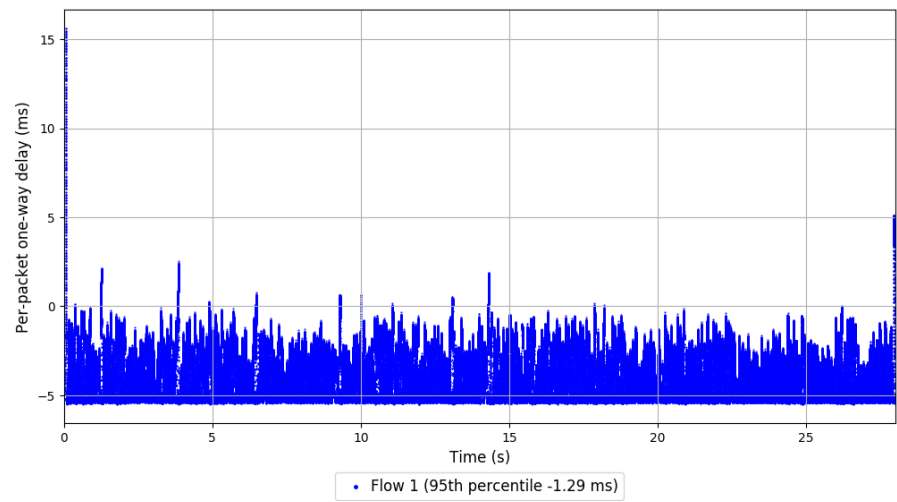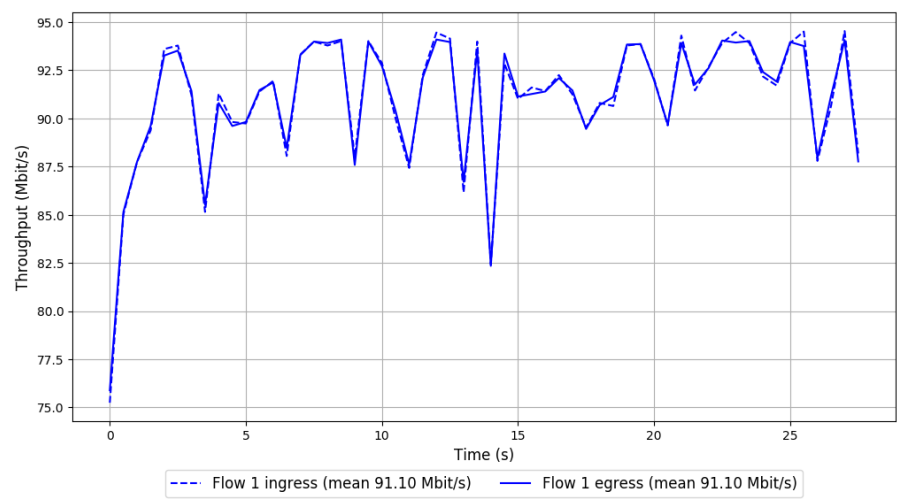
Run 1: Report of TaoVA-100x — Data Link

```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-02 00:57:22
End at: 2018-01-02 00:57:52
Local clock offset: -2.27 ms
Remote clock offset: -10.165 ms


# Below is generated by plot.py at 2018-01-02 03:58:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: -5.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: -5.072 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 92.30 Mbit/s) --- Flow 1 egress (mean 92.31 Mbit/s)

Flow 1 (95th percentile -5.07 ms)

```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-02 01:14:46
End at: 2018-01-02 01:15:16
Local clock offset: 0.521 ms
Remote clock offset: -9.655 ms


# Below is generated by plot.py at 2018-01-02 03:58:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: -5.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: -5.429 ms
Loss rate: 0.00%
```
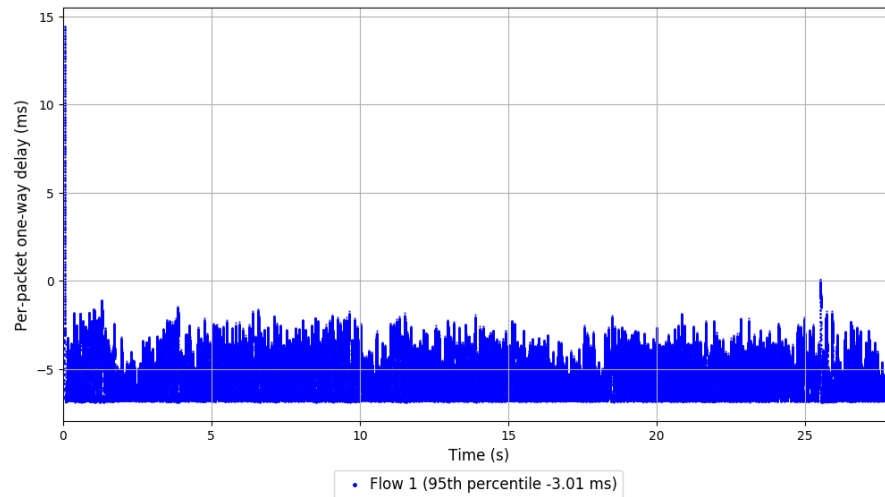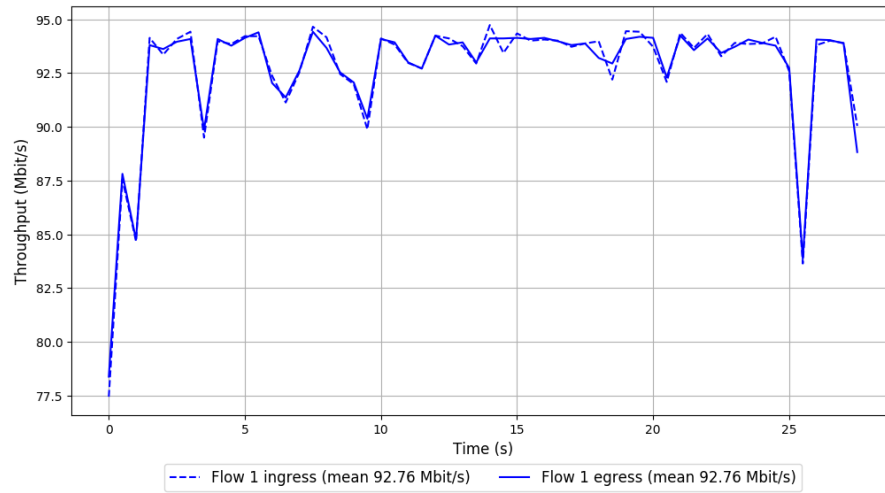
Run 3: Report of TaoVA-100x — Data Link

```
Run 4: Statistics of TaoVA-100x

Start at: 2018-01-02 01:32:30
End at: 2018-01-02 01:33:00
Local clock offset: -1.731 ms
Remote clock offset: -9.311 ms


# Below is generated by plot.py at 2018-01-02 03:58:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: -1.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: -1.294 ms
Loss rate: 0.00%
```
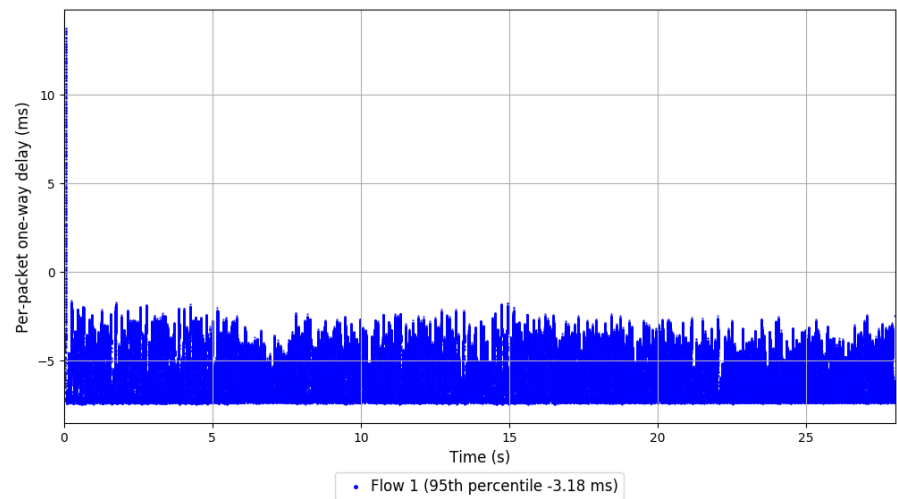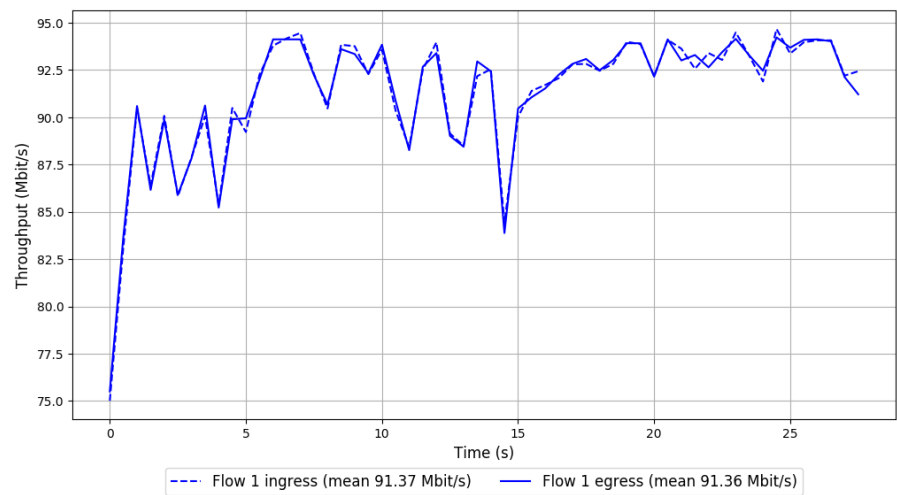
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 91.10 Mbit/s)   Flow 1 egress (mean 91.10 Mbit/s)

Flow 1 (95th percentile -1.29 ms)

```
Run 5: Statistics of TaoVA-100x

Start at: 2018-01-02 01:50:09
End at: 2018-01-02 01:50:39
Local clock offset: -1.6 ms
Remote clock offset: -9.981 ms

# Below is generated by plot.py at 2018-01-02 03:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: -3.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: -3.011 ms
Loss rate: 0.00%
```
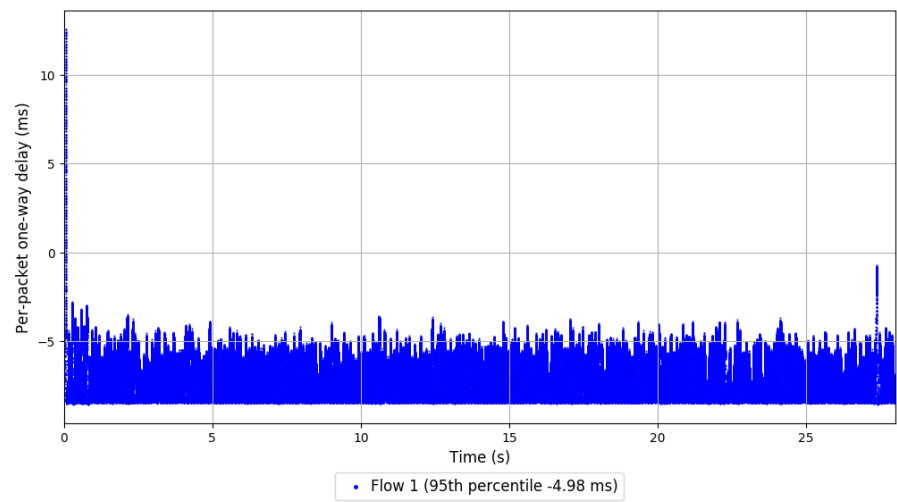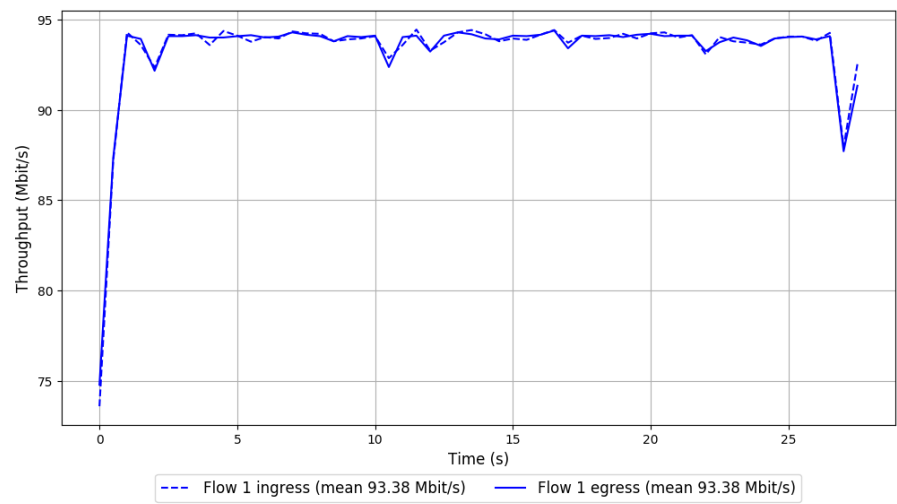
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 92.76 Mbit/s) ----- Flow 1 egress (mean 92.76 Mbit/s) ———

• Flow 1 (95th percentile -3.01 ms)

```
Run 6: Statistics of TaoVA-100x

Start at: 2018-01-02 02:07:47
End at: 2018-01-02 02:08:17
Local clock offset: -0.862 ms
Remote clock offset: -9.666 ms


# Below is generated by plot.py at 2018-01-02 03:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: -3.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: -3.182 ms
Loss rate: 0.00%
```
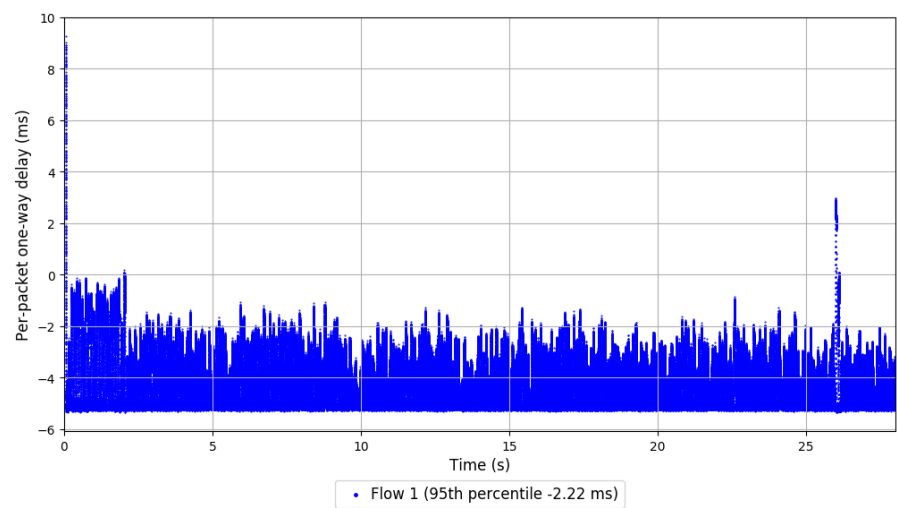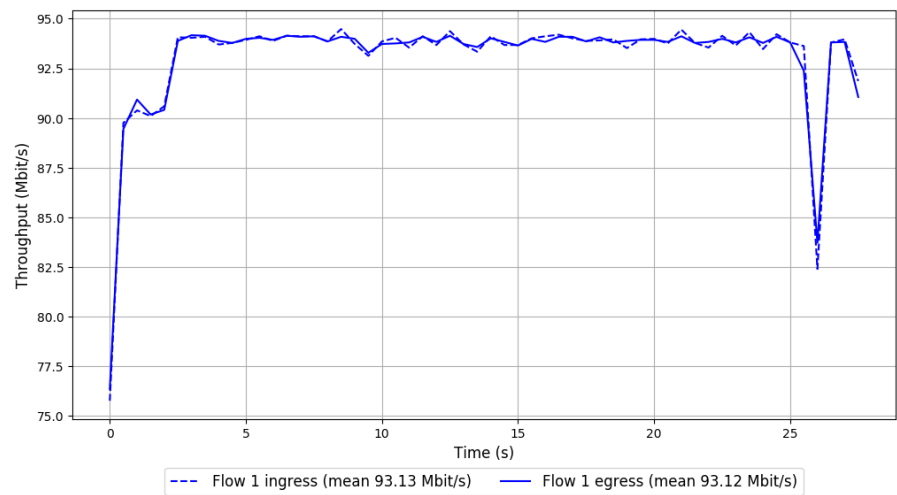
Run 6: Report of TaoVA-100x — Data Link

```
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-02 02:25:35
End at: 2018-01-02 02:26:05
Local clock offset: 1.159 ms
Remote clock offset: -8.886 ms


# Below is generated by plot.py at 2018-01-02 03:58:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: -4.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: -4.977 ms
Loss rate: 0.00%
```
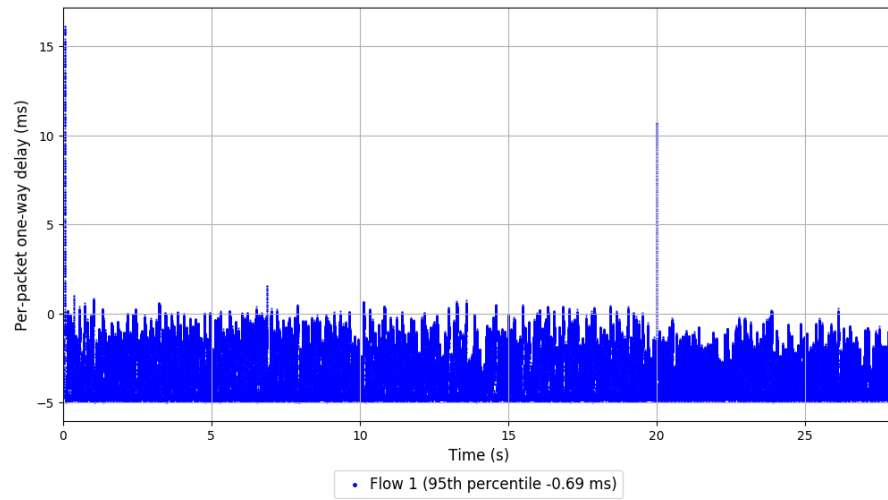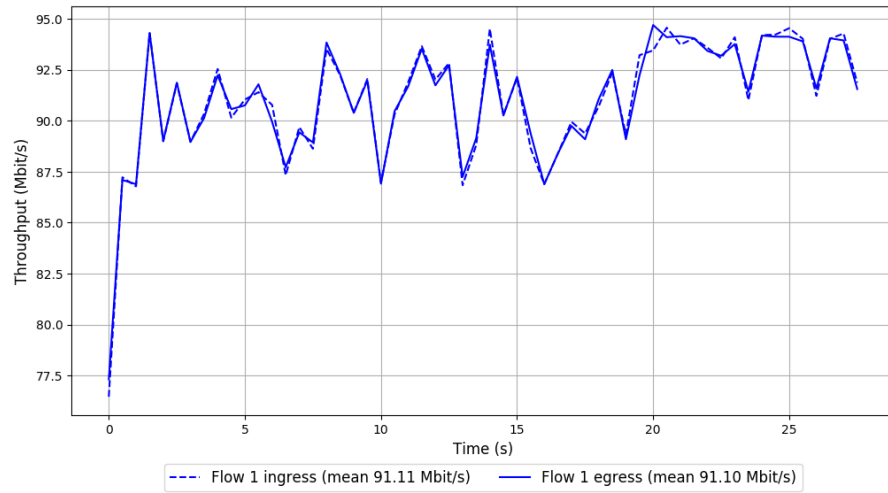
Run 7: Report of TaoVA-100x — Data Link

```
Run 8: Statistics of TaoVA-100x

Start at: 2018-01-02 02:43:23
End at: 2018-01-02 02:43:53
Local clock offset: -1.388 ms
Remote clock offset: -8.201 ms


# Below is generated by plot.py at 2018-01-02 03:58:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: -2.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: -2.217 ms
Loss rate: 0.00%
```
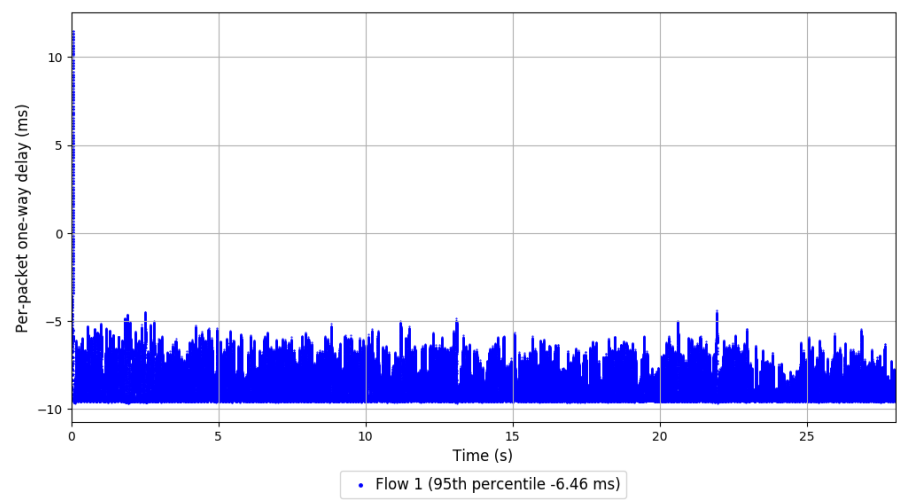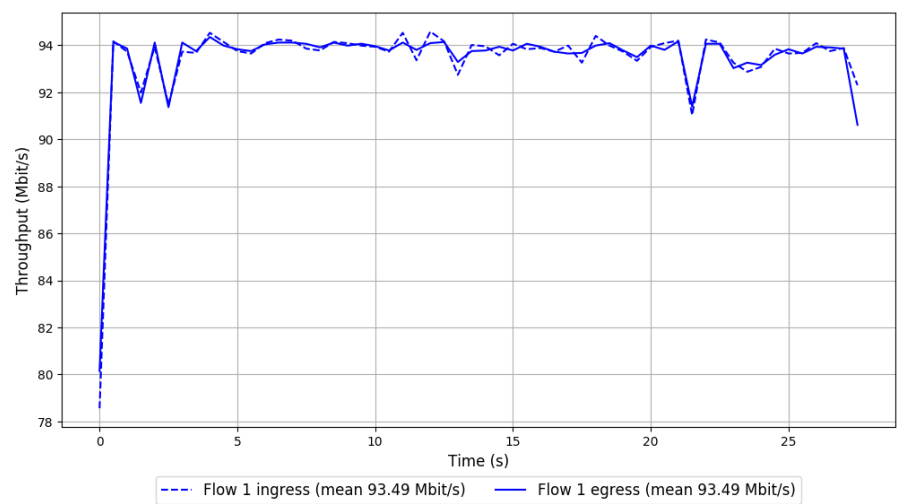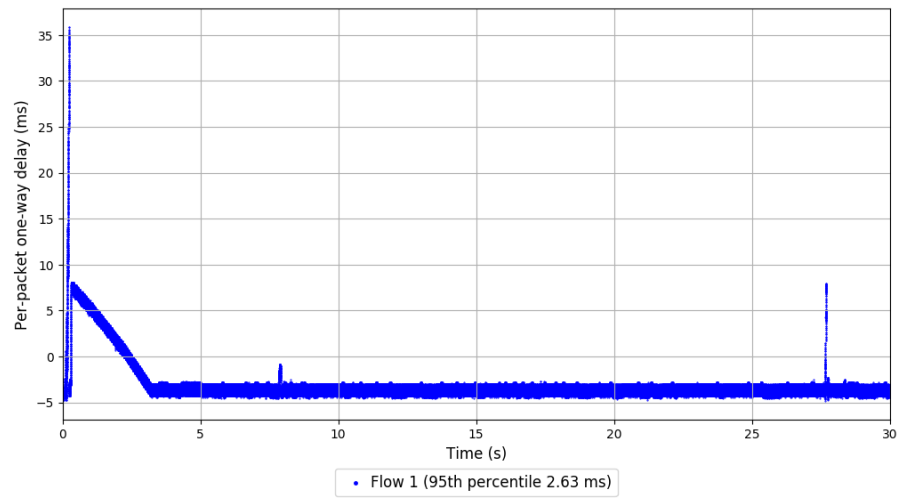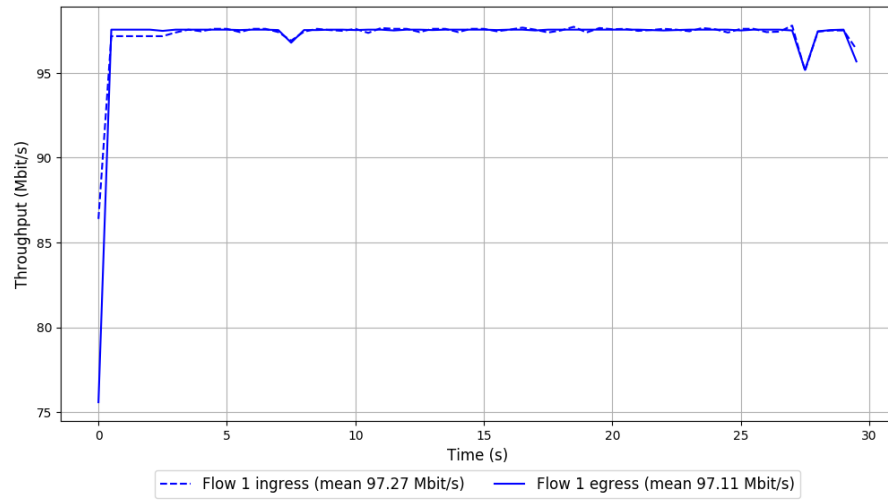
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 93.13 Mbit/s) --- Flow 1 egress (mean 93.12 Mbit/s)

Flow 1 (95th percentile -2.22 ms)

```
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-02 03:01:04
End at: 2018-01-02 03:01:34
Local clock offset: -2.286 ms
Remote clock offset: -8.67 ms


# Below is generated by plot.py at 2018-01-02 04:00:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: -0.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: -0.687 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 91.11 Mbit/s)   Flow 1 egress (mean 91.10 Mbit/s)
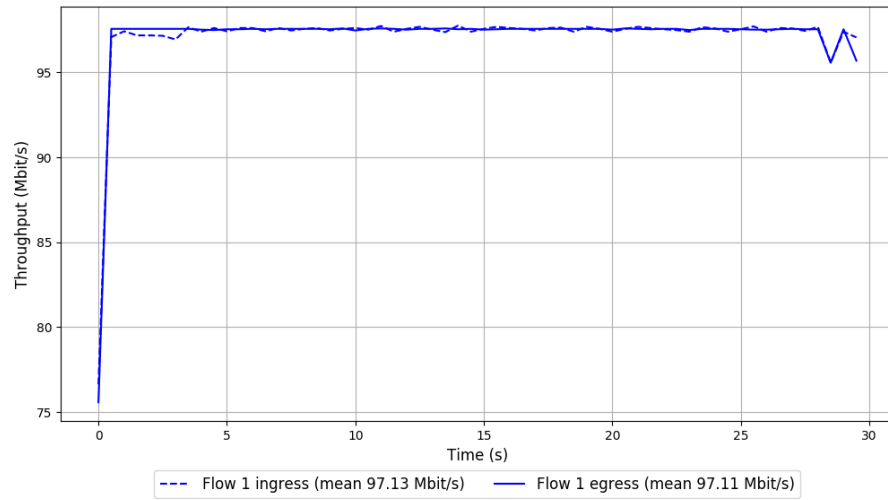

Flow 1 (95th percentile -0.69 ms)

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

Start at: 2018-01-02 03:18:41
End at: 2018-01-02 03:19:11
Local clock offset: 1.009 ms
Remote clock offset: -10.255 ms

# Below is generated by plot.py at 2018-01-02 04:00:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: -6.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: -6.459 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 93.49 Mbit/s)   Flow 1 egress (mean 93.49 Mbit/s)
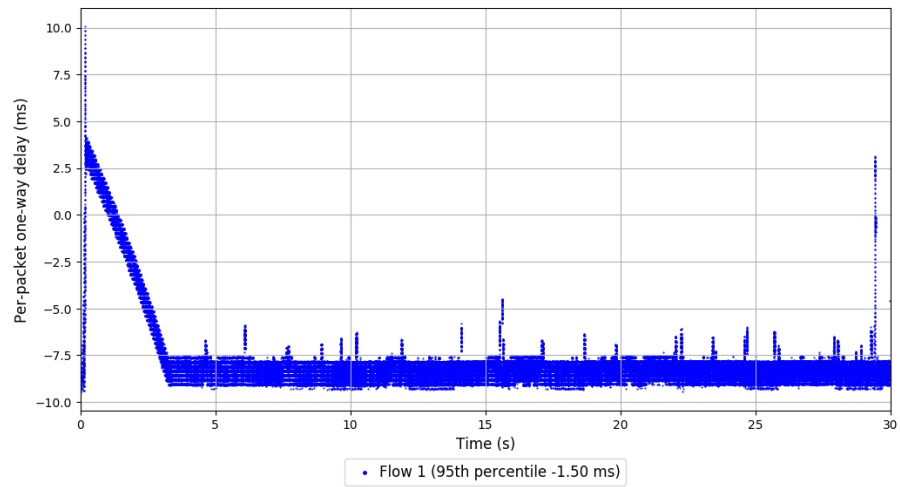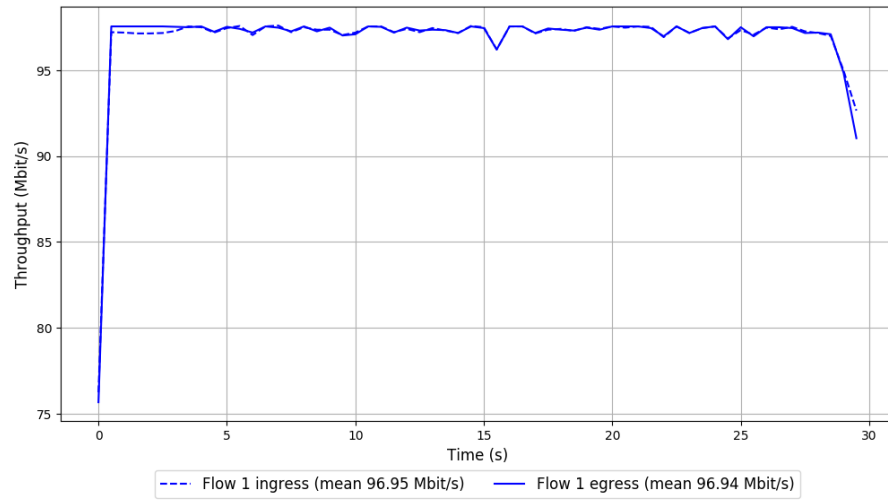

Flow 1 (95th percentile -6.46 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-01-02 00:34:23
End at: 2018-01-02 00:34:53
Local clock offset: -8.645 ms
Remote clock offset: -9.569 ms


# Below is generated by plot.py at 2018-01-02 04:00:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 2.630 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 2.630 ms
Loss rate: 0.16%
```
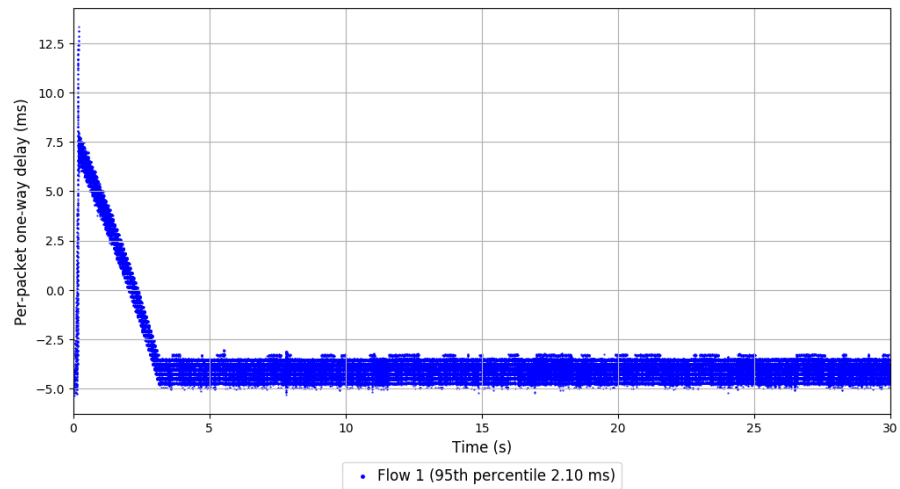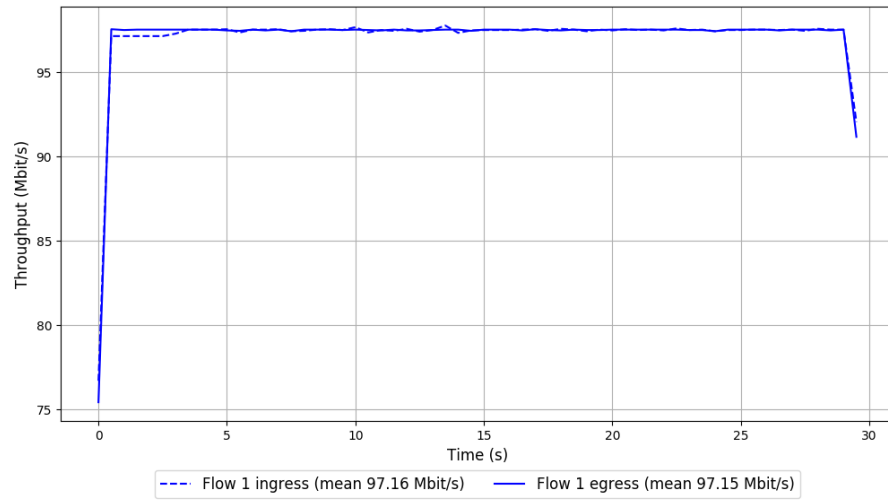
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-01-02 00:51:42
End at: 2018-01-02 00:52:12
Local clock offset: -3.94 ms
Remote clock offset: -9.527 ms


# Below is generated by plot.py at 2018-01-02 04:00:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-01-02 01:09:07
End at: 2018-01-02 01:09:37
Local clock offset: -0.188 ms
Remote clock offset: -10.566 ms


# Below is generated by plot.py at 2018-01-02 04:00:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: -1.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: -1.495 ms
Loss rate: 0.00%
```
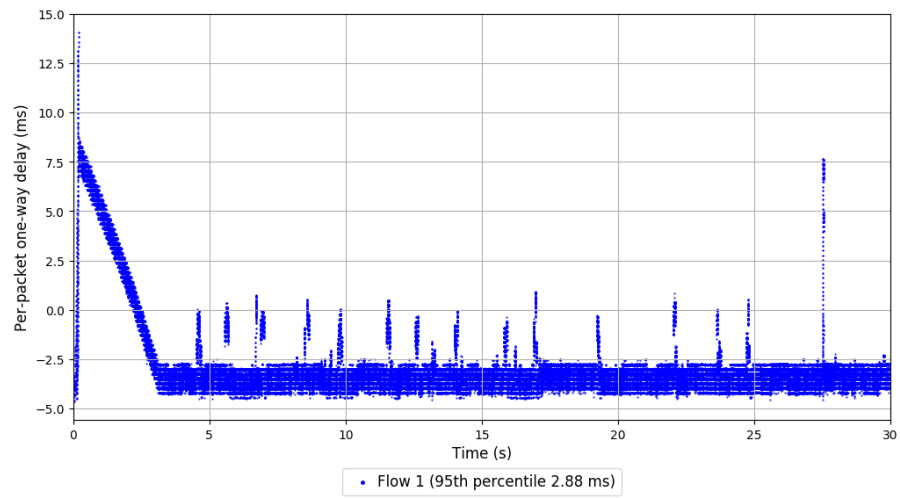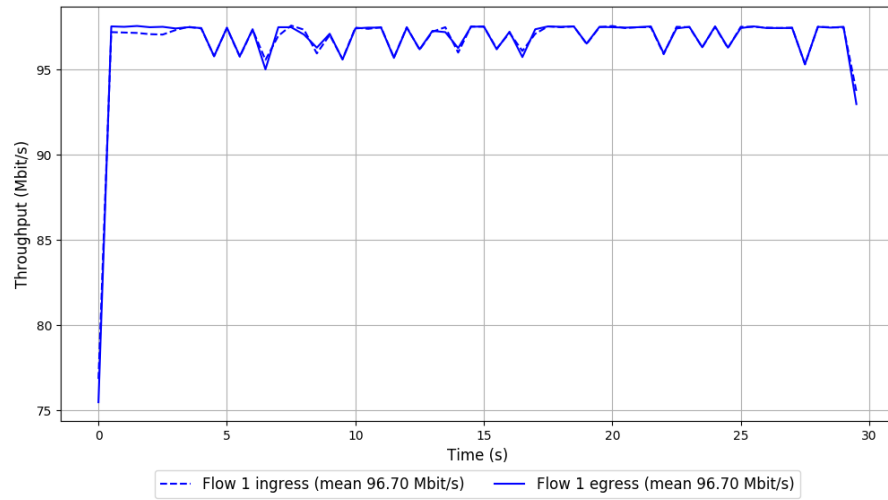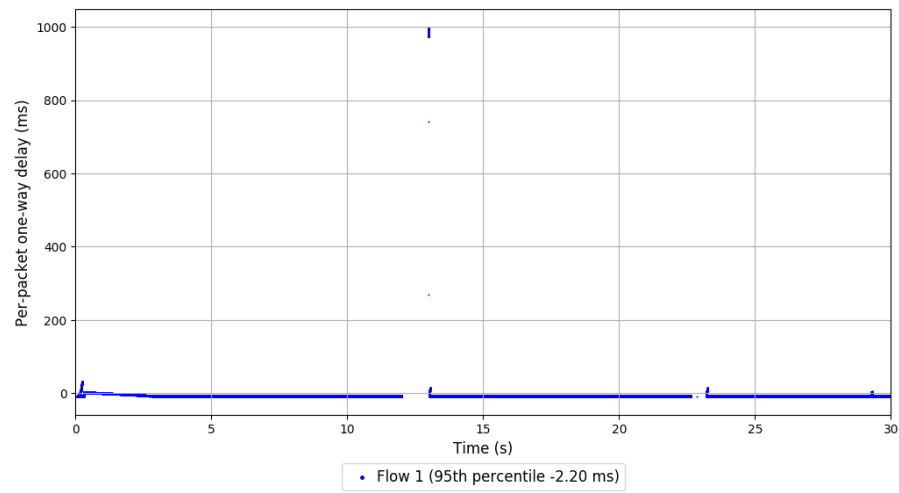
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2018-01-02 01:26:45
End at: 2018-01-02 01:27:15
Local clock offset: -1.063 ms
Remote clock offset: -8.353 ms


# Below is generated by plot.py at 2018-01-02 04:00:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 2.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 2.103 ms
Loss rate: 0.00%
```
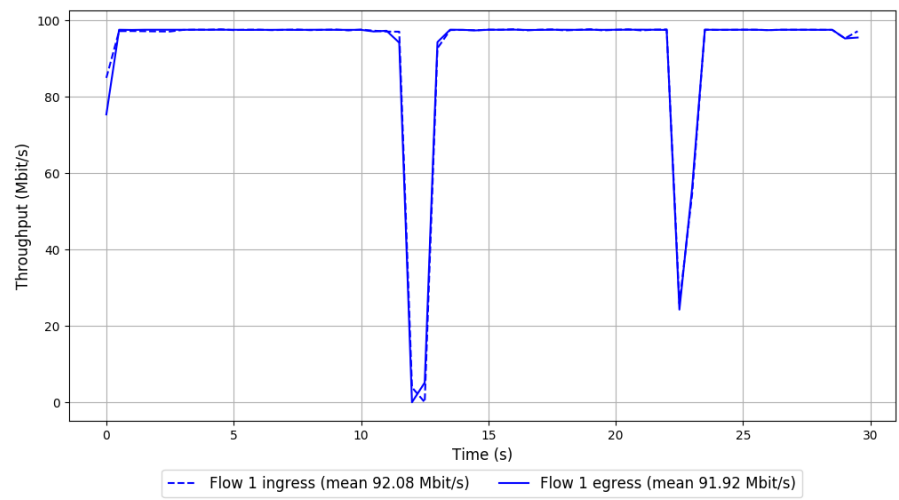
Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.16 Mbit/s)   Flow 1 egress (mean 97.15 Mbit/s)
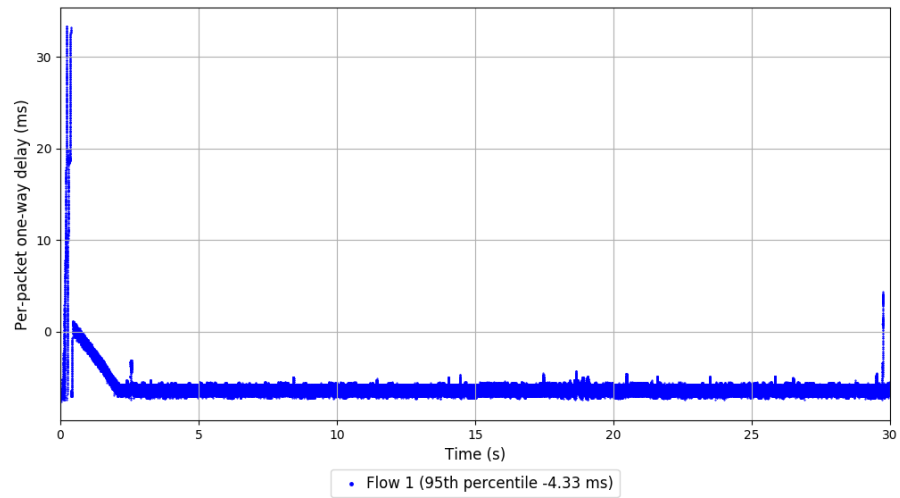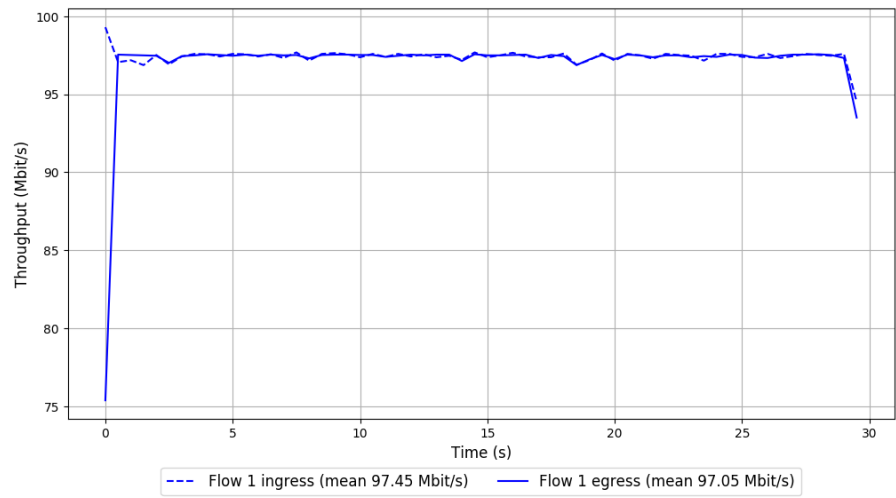

Flow 1 (95th percentile 2.10 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2018-01-02 01:44:25
End at: 2018-01-02 01:44:55
Local clock offset: -1.285 ms
Remote clock offset: -7.51 ms


# Below is generated by plot.py at 2018-01-02 04:00:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 2.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 2.882 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.70 Mbit/s) ---- Flow 1 egress (mean 96.70 Mbit/s)
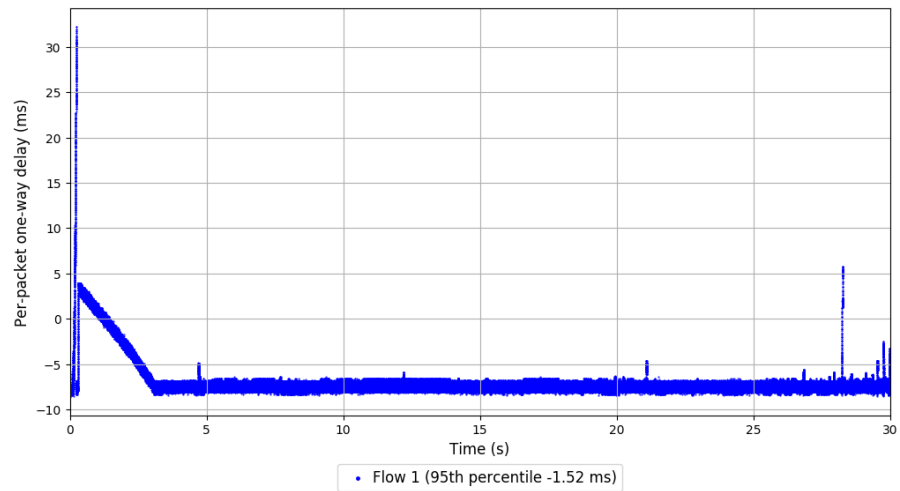

Flow 1 (95th percentile 2.88 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-01-02 02:02:05
End at: 2018-01-02 02:02:35
Local clock offset: 1.485 ms
Remote clock offset: -9.467 ms


# Below is generated by plot.py at 2018-01-02 04:00:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: -2.198 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: -2.198 ms
Loss rate: 0.17%
```
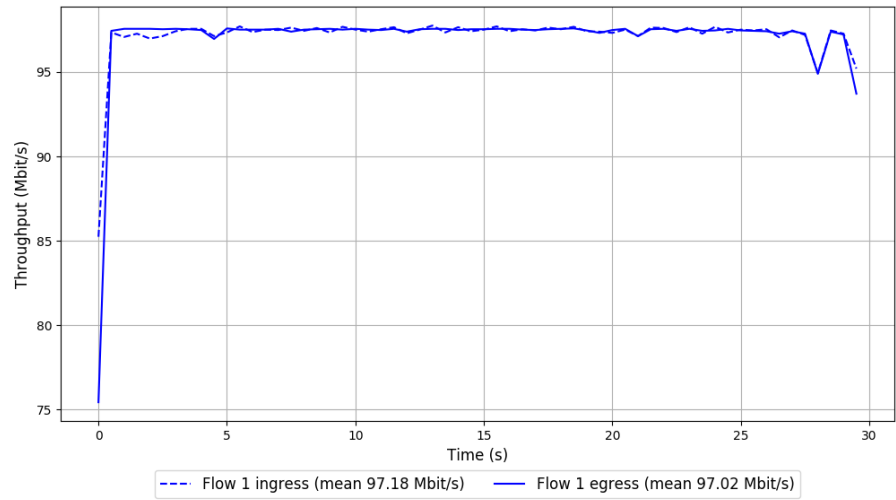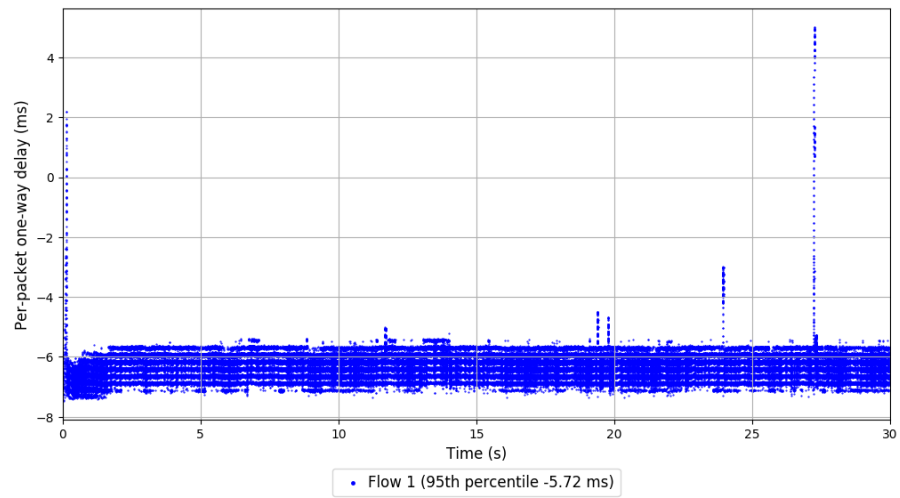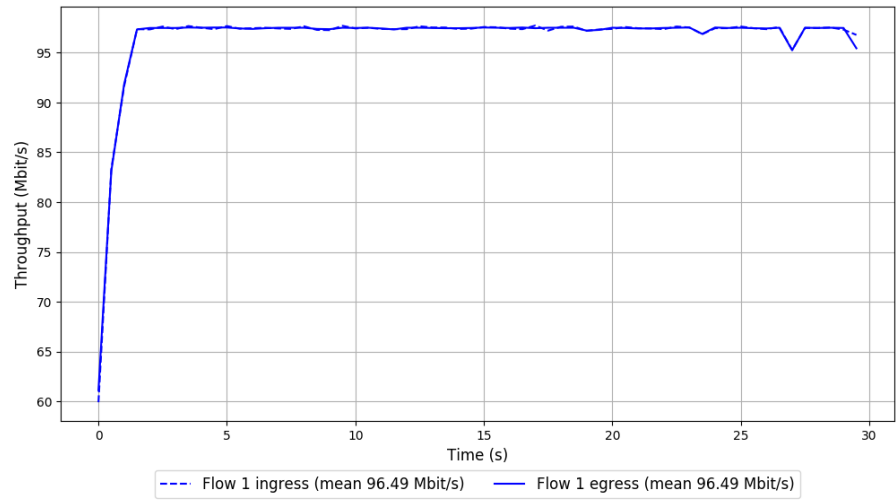
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 92.08 Mbit/s) --- Flow 1 egress (mean 91.92 Mbit/s)

• Flow 1 (95th percentile -2.20 ms)

195

```
Run 7: Statistics of TCP Vegas

Start at: 2018-01-02 02:19:50
End at: 2018-01-02 02:20:20
Local clock offset: 1.229 ms
Remote clock offset: -7.812 ms


# Below is generated by plot.py at 2018-01-02 04:01:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: -4.329 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: -4.329 ms
Loss rate: 0.41%
```

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.45 Mbit/s) — Flow 1 egress (mean 97.05 Mbit/s)

• Flow 1 (95th percentile -4.33 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-01-02 02:37:39
End at: 2018-01-02 02:38:09
Local clock offset: 0.72 ms
Remote clock offset: -9.407 ms


# Below is generated by plot.py at 2018-01-02 04:01:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: -1.521 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: -1.521 ms
Loss rate: 0.16%
```
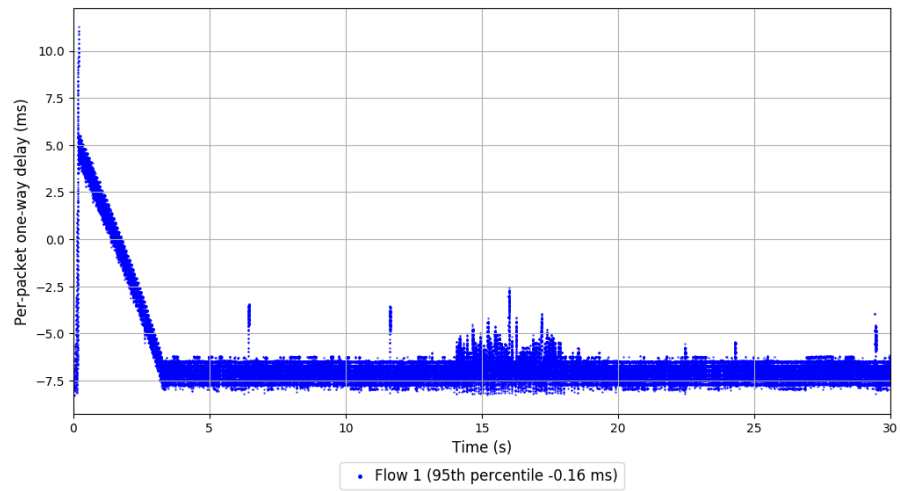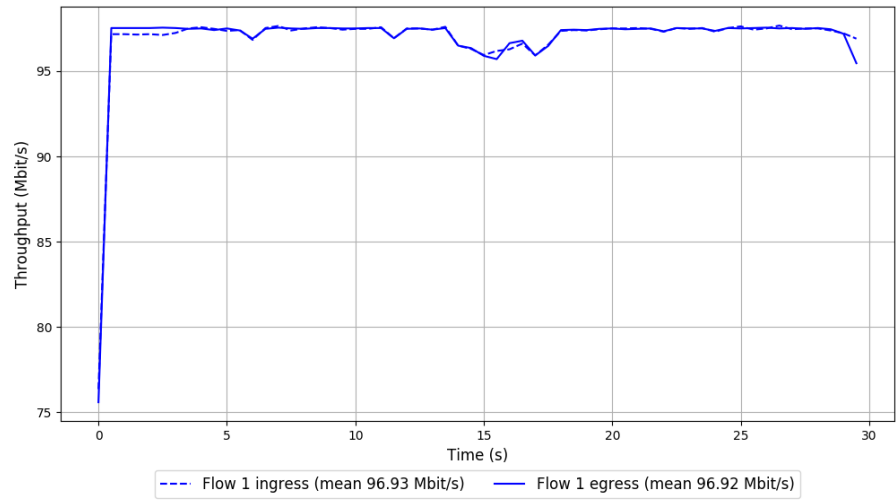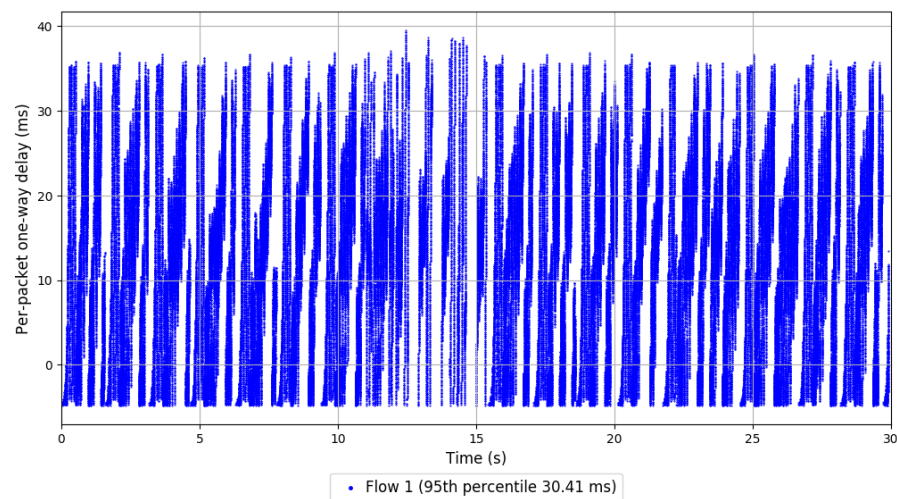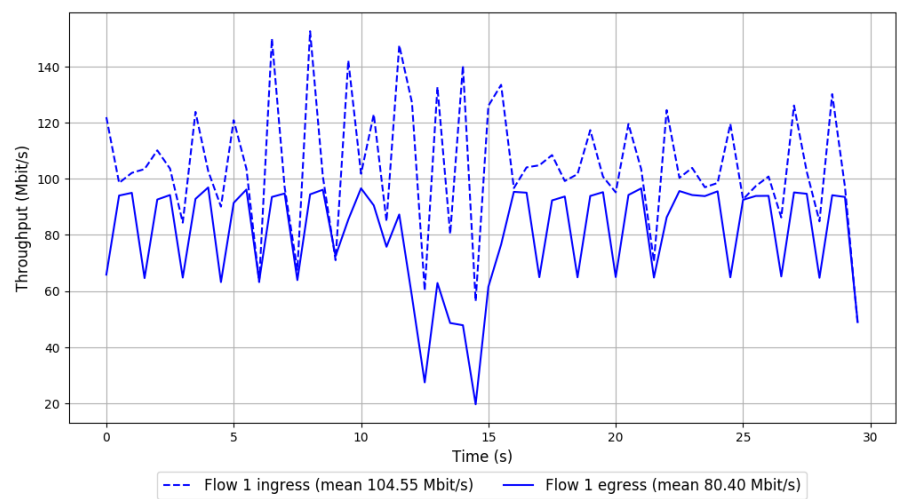
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.18 Mbit/s) --- Flow 1 egress (mean 97.02 Mbit/s)

Flow 1 (95th percentile -1.52 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-01-02 02:55:15
End at: 2018-01-02 02:55:45
Local clock offset: 0.089 ms
Remote clock offset: -8.716 ms


# Below is generated by plot.py at 2018-01-02 04:01:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: -5.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: -5.723 ms
Loss rate: 0.00%
```
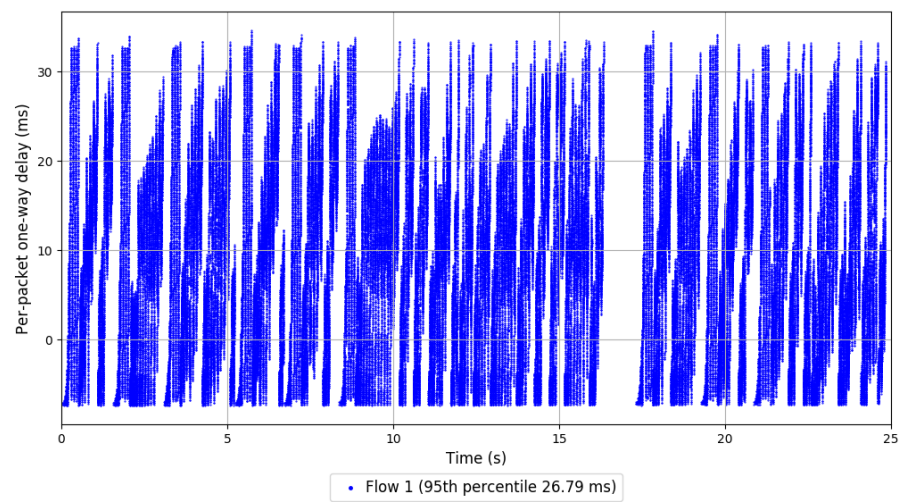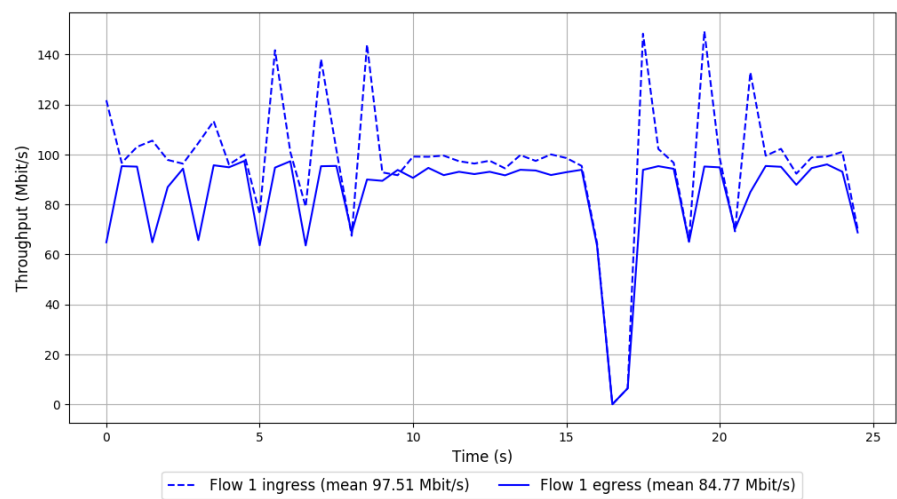
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.49 Mbit/s) ---- Flow 1 egress (mean 96.49 Mbit/s) ——

• Flow 1 (95th percentile -5.72 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2018-01-02 03:12:58
End at: 2018-01-02 03:13:28
Local clock offset: -0.109 ms
Remote clock offset: -9.876 ms


# Below is generated by plot.py at 2018-01-02 04:01:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: -0.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: -0.160 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.93 Mbit/s) ---- Flow 1 egress (mean 96.92 Mbit/s) ——

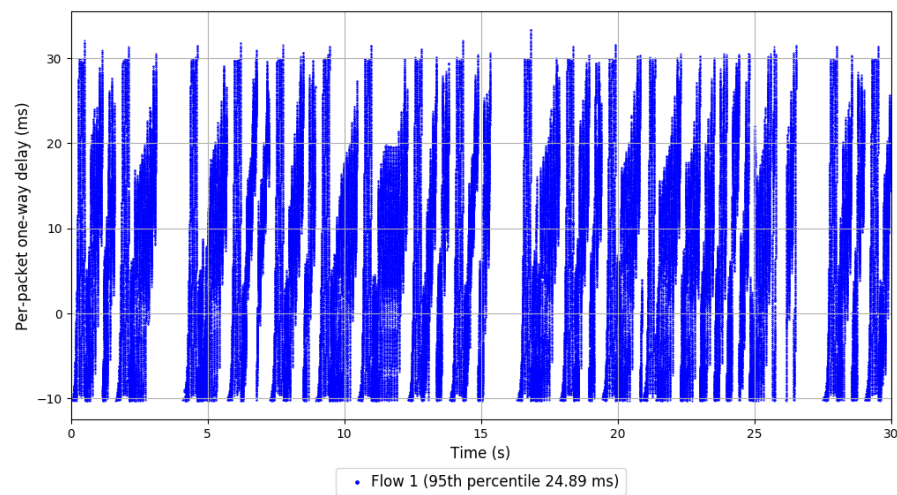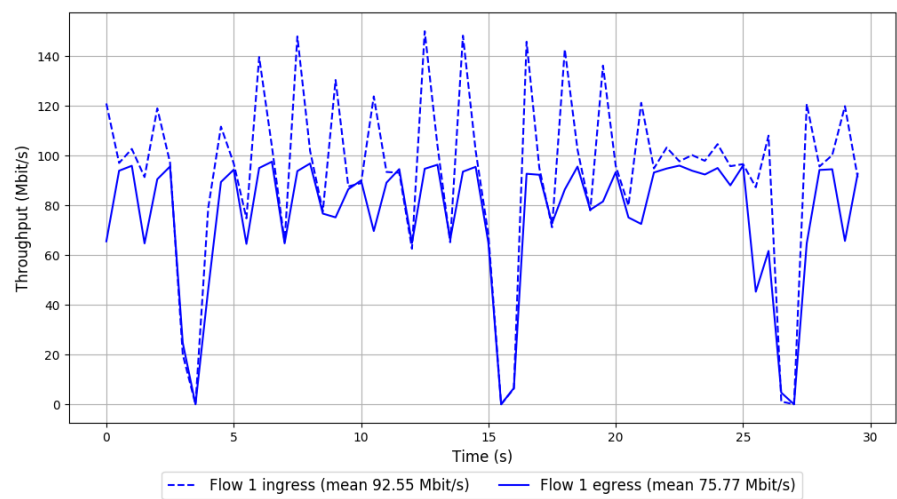

Flow 1 (95th percentile -0.16 ms)

```
Run 1: Statistics of Verus

Start at: 2018-01-02 00:29:40
End at: 2018-01-02 00:30:10
Local clock offset: -9.148 ms
Remote clock offset: -10.143 ms


# Below is generated by plot.py at 2018-01-02 04:01:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 30.414 ms
Loss rate: 23.08%
-- Flow 1:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 30.414 ms
Loss rate: 23.08%
```

Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-01-02 00:46:59
End at: 2018-01-02 00:47:29
Local clock offset: -6.175 ms
Remote clock offset: -10.016 ms


# Below is generated by plot.py at 2018-01-02 04:01:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 26.788 ms
Loss rate: 12.93%
-- Flow 1:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 26.788 ms
Loss rate: 12.93%
```
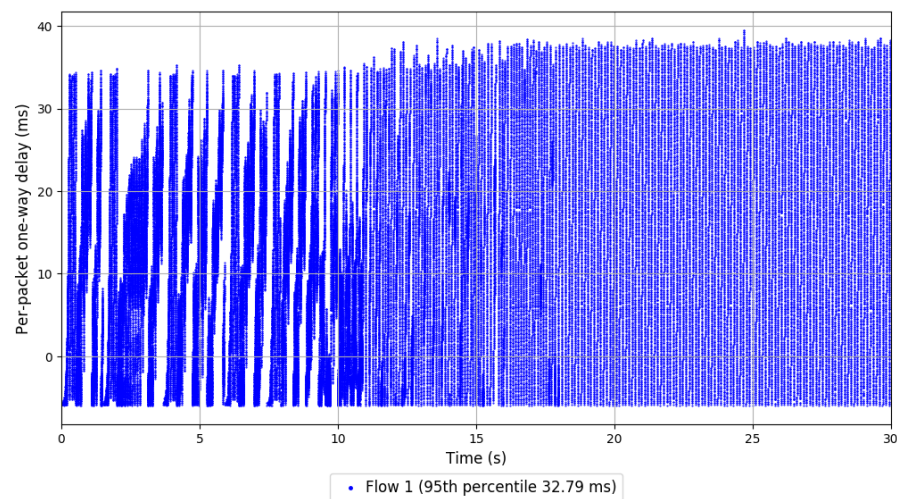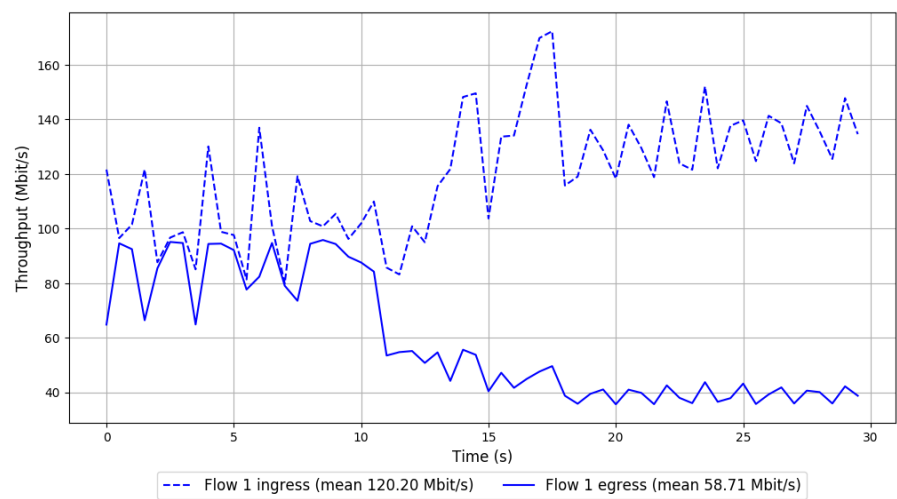
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-01-02 01:04:19
End at: 2018-01-02 01:04:49
Local clock offset: -2.854 ms
Remote clock offset: -8.406 ms
```

Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-01-02 01:21:49
End at: 2018-01-02 01:22:19
Local clock offset: 1.288 ms
Remote clock offset: -10.678 ms


# Below is generated by plot.py at 2018-01-02 04:01:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 24.894 ms
Loss rate: 18.06%
-- Flow 1:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 24.894 ms
Loss rate: 18.06%
```
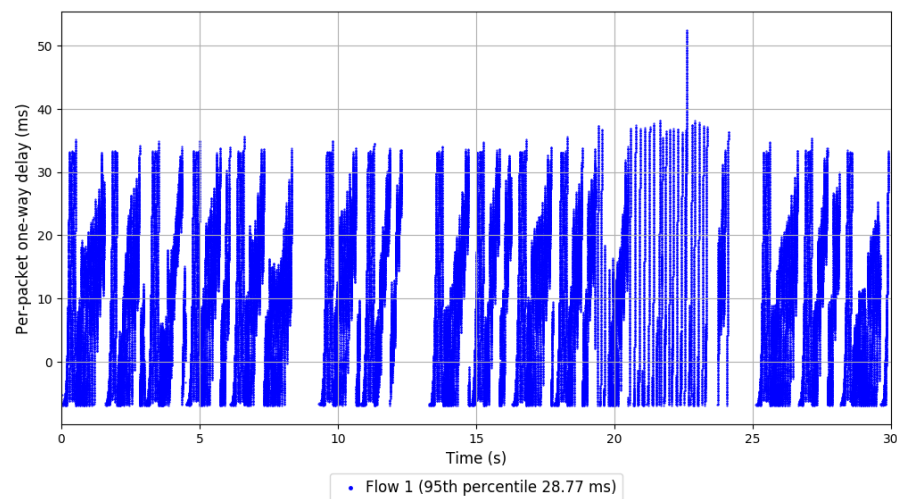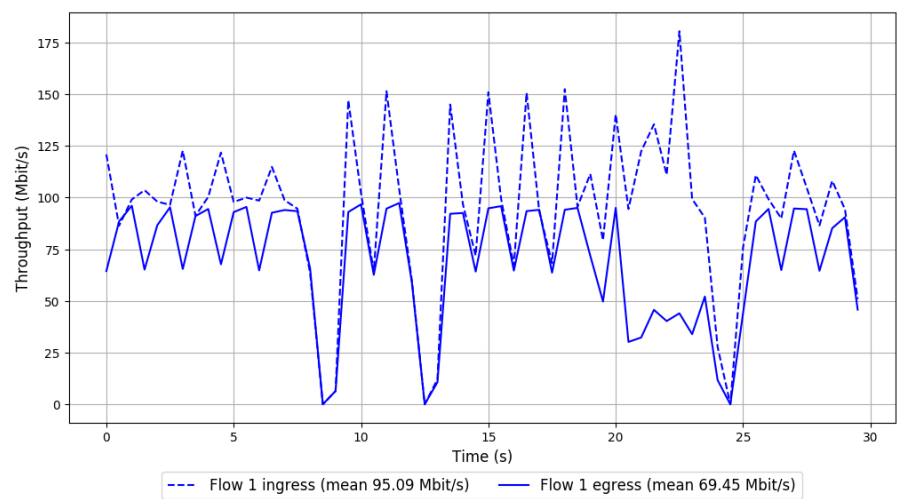
Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 92.55 Mbit/s) --- Flow 1 egress (mean 75.77 Mbit/s)

Flow 1 (95th percentile 24.89 ms)

```
Run 5: Statistics of Verus

Start at: 2018-01-02 01:39:36
End at: 2018-01-02 01:40:06
Local clock offset: 0.823 ms
Remote clock offset: -6.903 ms


# Below is generated by plot.py at 2018-01-02 04:02:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 32.793 ms
Loss rate: 51.13%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 32.793 ms
Loss rate: 51.13%
```

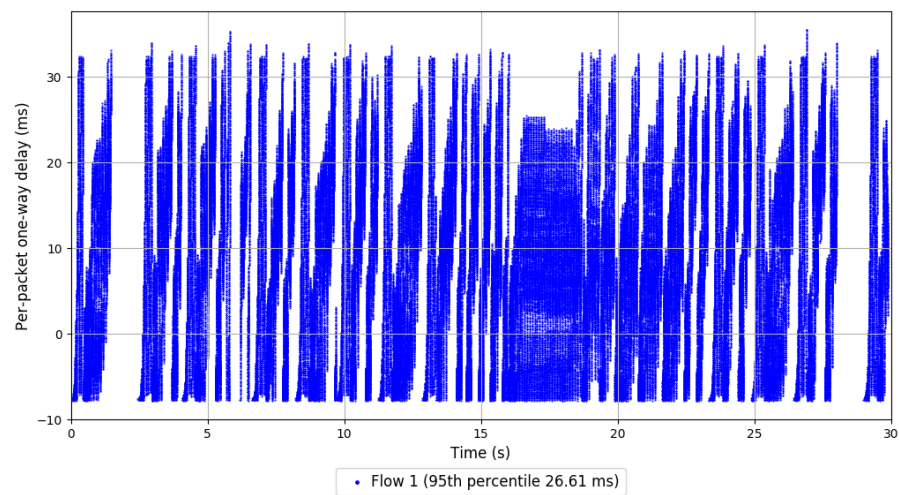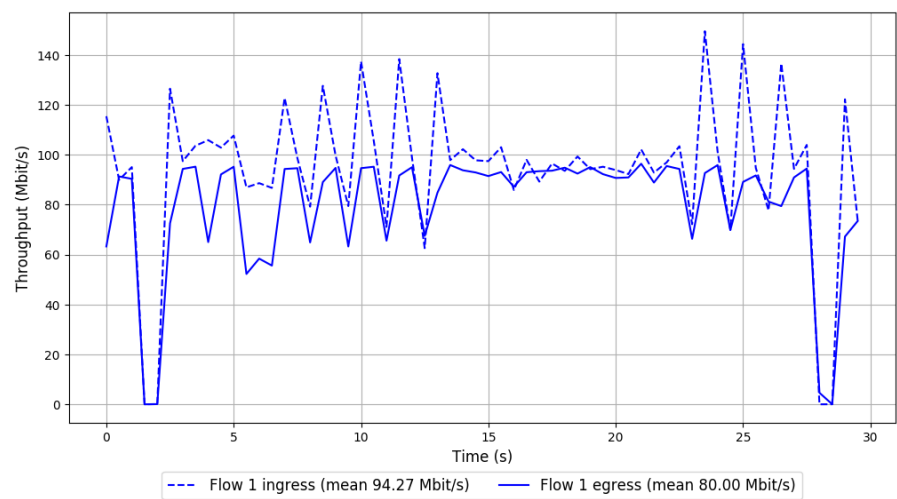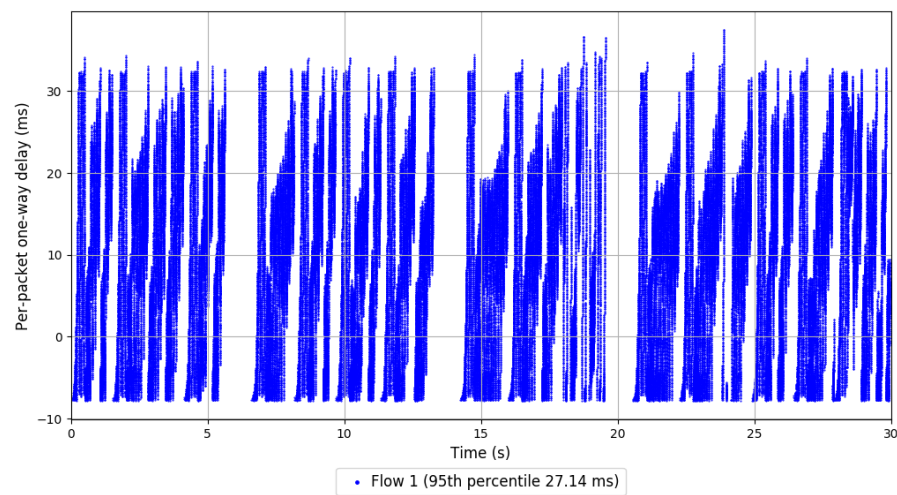## Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 120.20 Mbit/s) — — — Flow 1 egress (mean 58.71 Mbit/s)

• Flow 1 (95th percentile 32.79 ms)

```
Run 6: Statistics of Verus

Start at: 2018-01-02 01:57:15
End at: 2018-01-02 01:57:45
Local clock offset: -0.031 ms
Remote clock offset: -8.303 ms


# Below is generated by plot.py at 2018-01-02 04:02:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.45 Mbit/s
95th percentile per-packet one-way delay: 28.773 ms
Loss rate: 26.92%
-- Flow 1:
Average throughput: 69.45 Mbit/s
95th percentile per-packet one-way delay: 28.773 ms
Loss rate: 26.92%
```
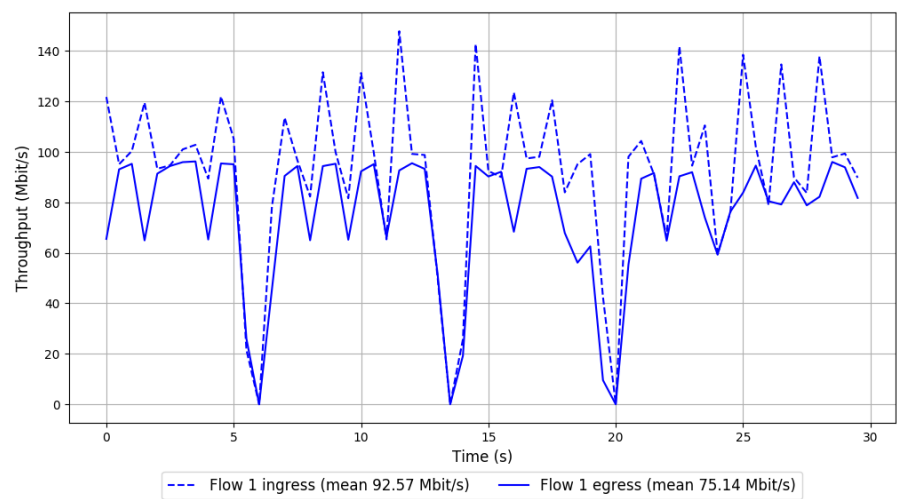
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-01-02 02:14:58
End at: 2018-01-02 02:15:28
Local clock offset: 0.9 ms
Remote clock offset: -8.346 ms


# Below is generated by plot.py at 2018-01-02 04:02:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 26.609 ms
Loss rate: 15.08%
-- Flow 1:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 26.609 ms
Loss rate: 15.08%
```
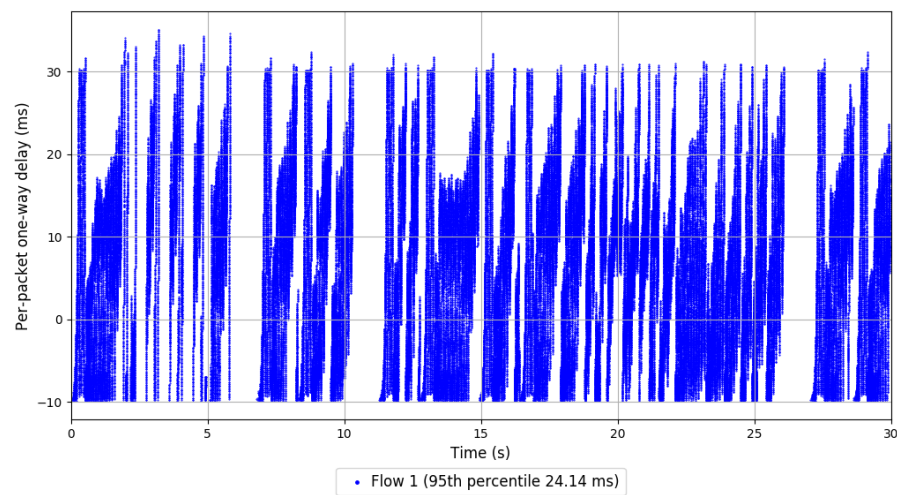
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-01-02 02:32:42
End at: 2018-01-02 02:33:12
Local clock offset: 0.108 ms
Remote clock offset: -9.131 ms


# Below is generated by plot.py at 2018-01-02 04:02:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.14 Mbit/s
95th percentile per-packet one-way delay: 27.135 ms
Loss rate: 18.80%
-- Flow 1:
Average throughput: 75.14 Mbit/s
95th percentile per-packet one-way delay: 27.135 ms
Loss rate: 18.80%
```
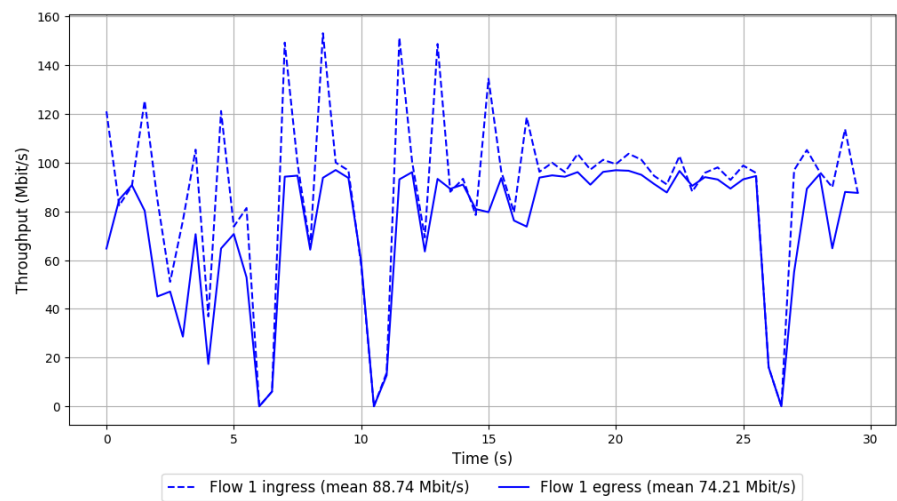
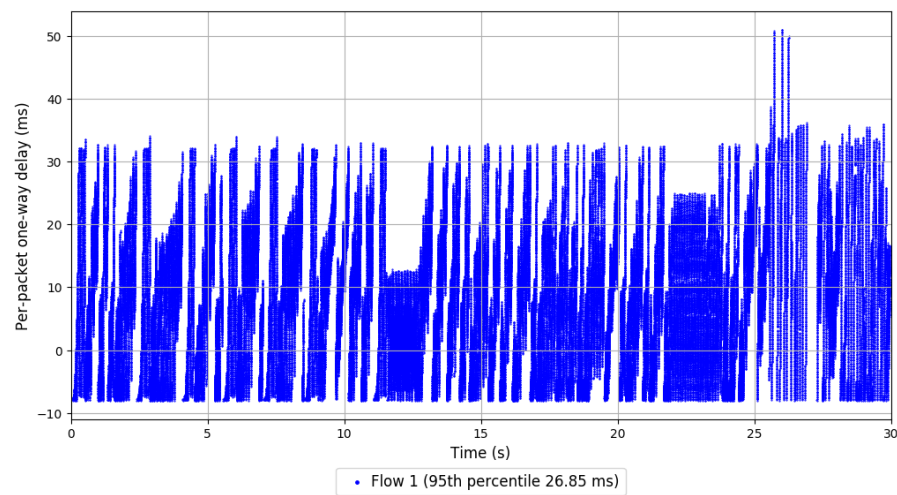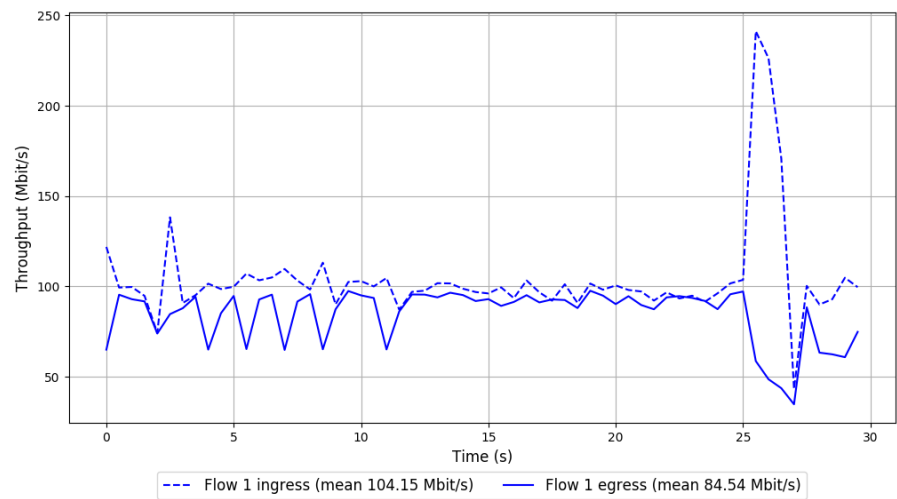Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 92.57 Mbit/s)   Flow 1 egress (mean 75.14 Mbit/s)

• Flow 1 (95th percentile 27.14 ms)

```
Run 9: Statistics of Verus

Start at: 2018-01-02 02:50:27
End at: 2018-01-02 02:50:58
Local clock offset: 1.566 ms
Remote clock offset: -9.66 ms


# Below is generated by plot.py at 2018-01-02 04:02:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 24.145 ms
Loss rate: 16.33%
-- Flow 1:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 24.145 ms
Loss rate: 16.33%
```
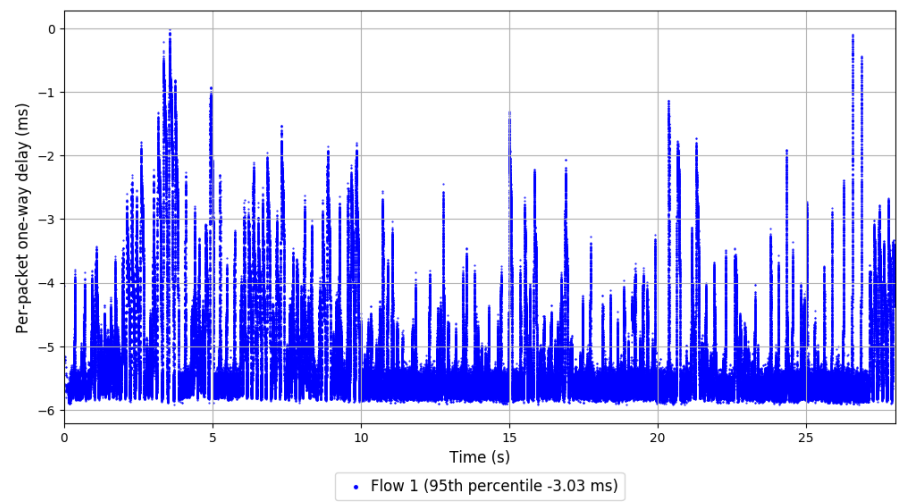
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 88.74 Mbit/s)   —— Flow 1 egress (mean 74.21 Mbit/s)

• Flow 1 (95th percentile 24.14 ms)

```
Run 10: Statistics of Verus

Start at: 2018-01-02 03:08:05
End at: 2018-01-02 03:08:36
Local clock offset: 0.449 ms
Remote clock offset: -9.045 ms


# Below is generated by plot.py at 2018-01-02 04:02:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 26.847 ms
Loss rate: 18.78%
-- Flow 1:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 26.847 ms
Loss rate: 18.78%
```
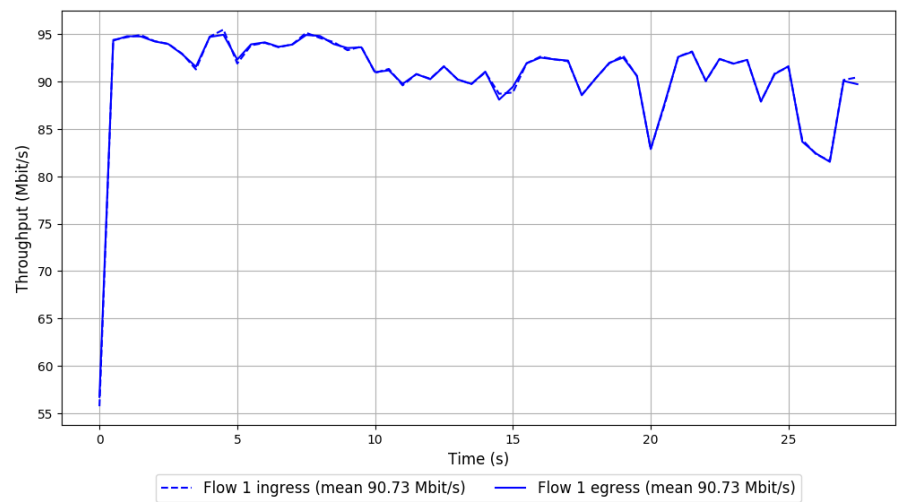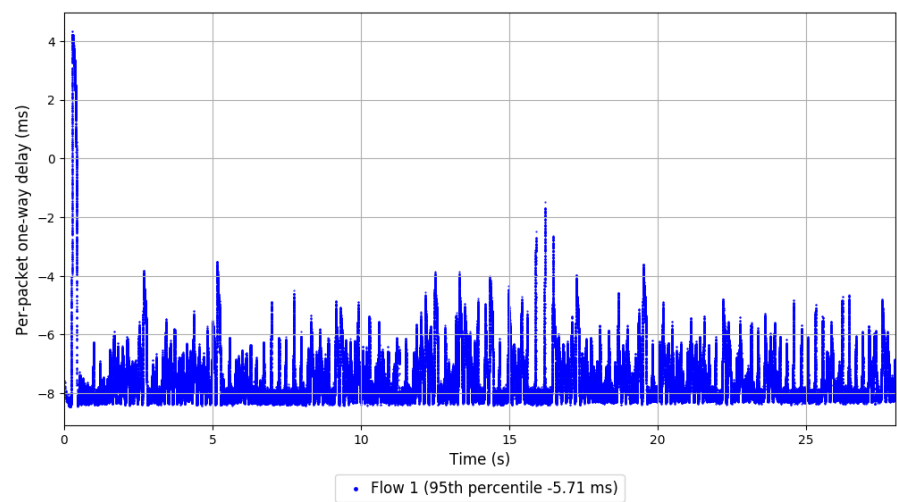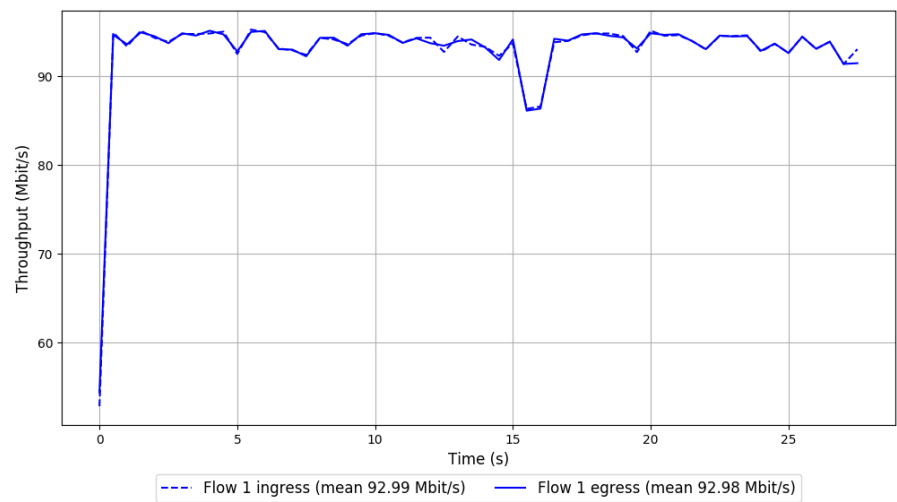
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-01-02 00:33:11
End at: 2018-01-02 00:33:41
Local clock offset: -8.03 ms
Remote clock offset: -10.091 ms


# Below is generated by plot.py at 2018-01-02 04:03:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: -3.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: -3.028 ms
Loss rate: 0.00%
```
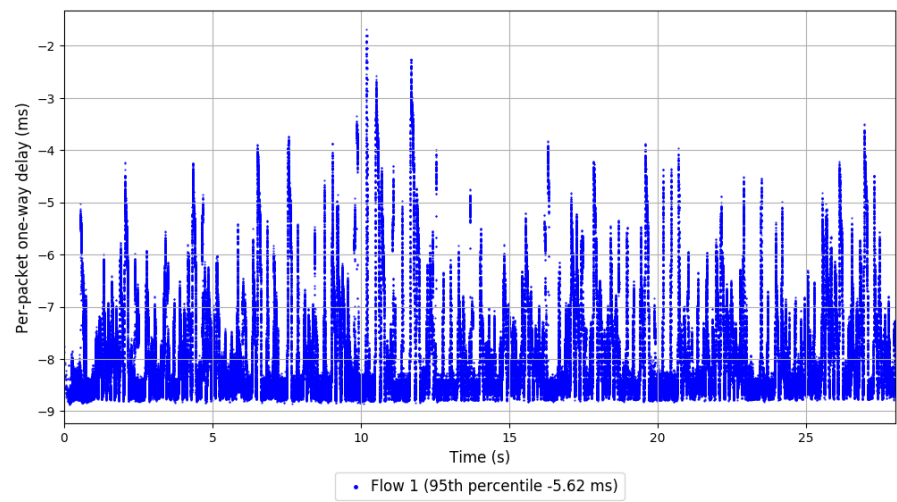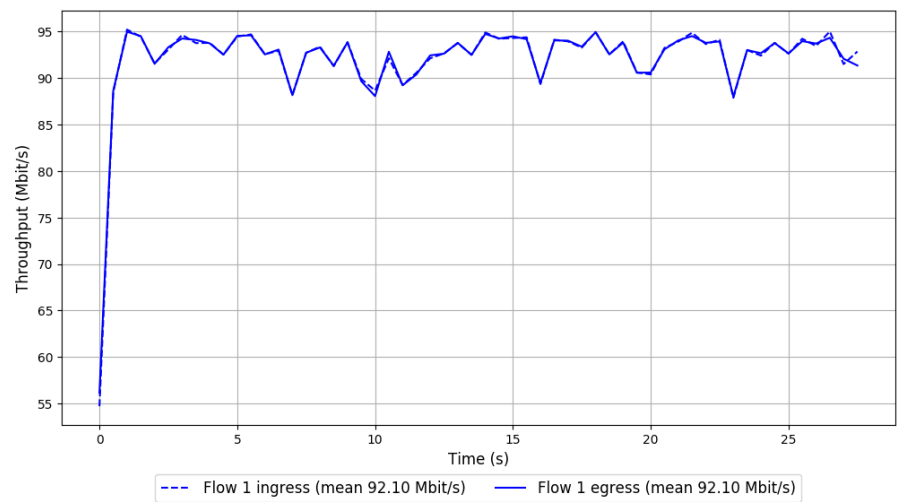
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 90.73 Mbit/s)   Flow 1 egress (mean 90.73 Mbit/s)

Flow 1 (95th percentile -3.03 ms)

```
Run 2: Statistics of Copa

Start at: 2018-01-02 00:50:30
End at: 2018-01-02 00:51:00
Local clock offset: -4.266 ms
Remote clock offset: -10.098 ms


# Below is generated by plot.py at 2018-01-02 04:03:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: -5.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: -5.709 ms
Loss rate: 0.00%
```
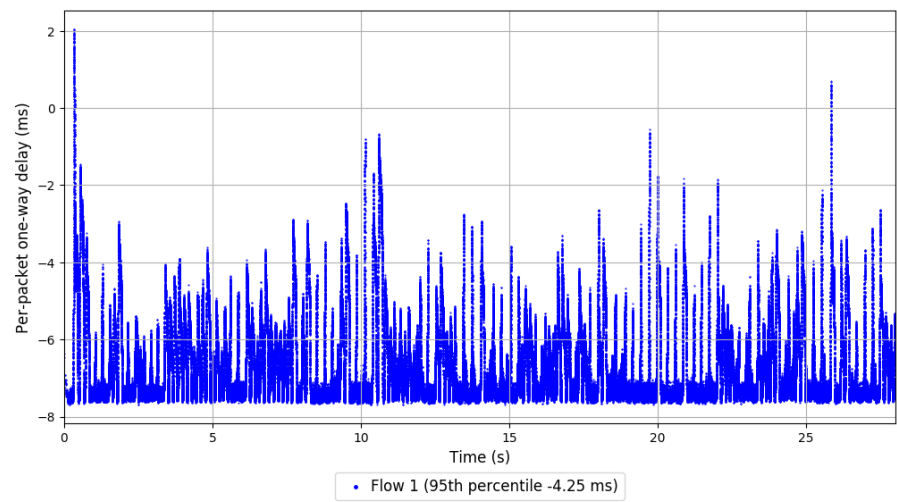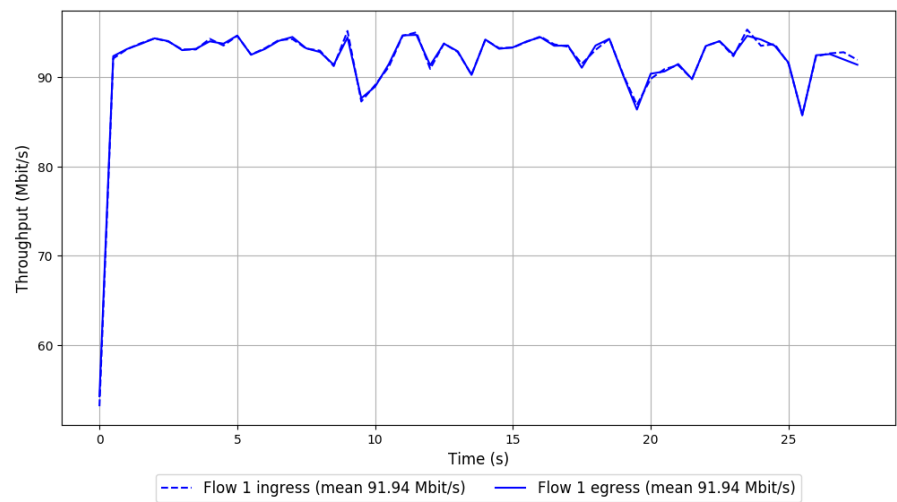
Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-01-02 01:07:53
End at: 2018-01-02 01:08:23
Local clock offset: -0.265 ms
Remote clock offset: -10.012 ms


# Below is generated by plot.py at 2018-01-02 04:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: -5.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: -5.616 ms
Loss rate: 0.00%
```
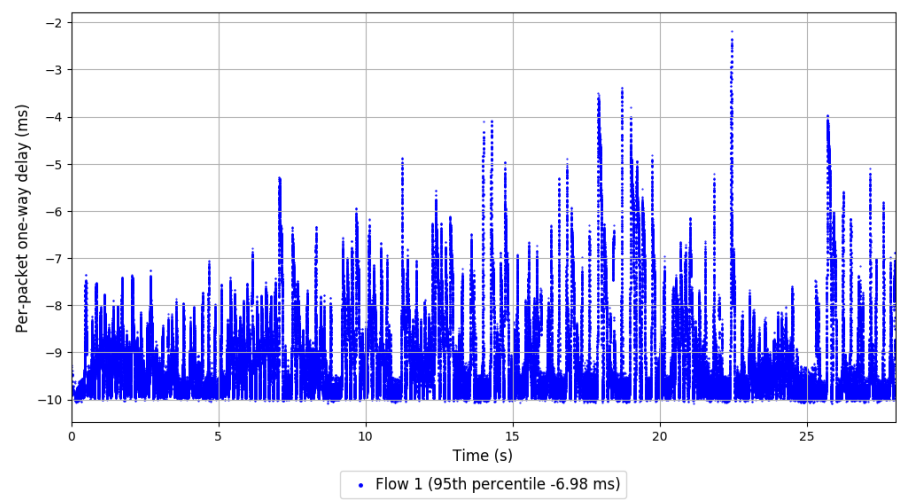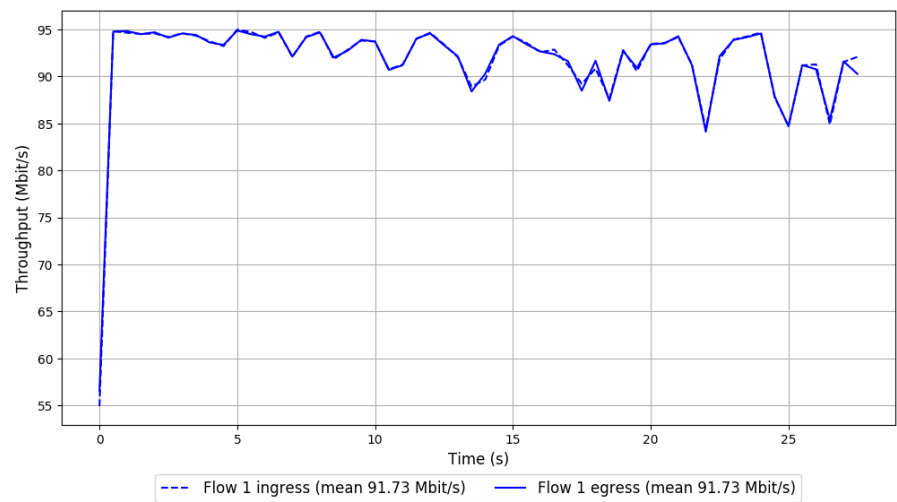
Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2018-01-02 01:25:28
End at: 2018-01-02 01:25:58
Local clock offset: 1.078 ms
Remote clock offset: -8.541 ms


# Below is generated by plot.py at 2018-01-02 04:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: -4.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: -4.249 ms
Loss rate: 0.00%
```
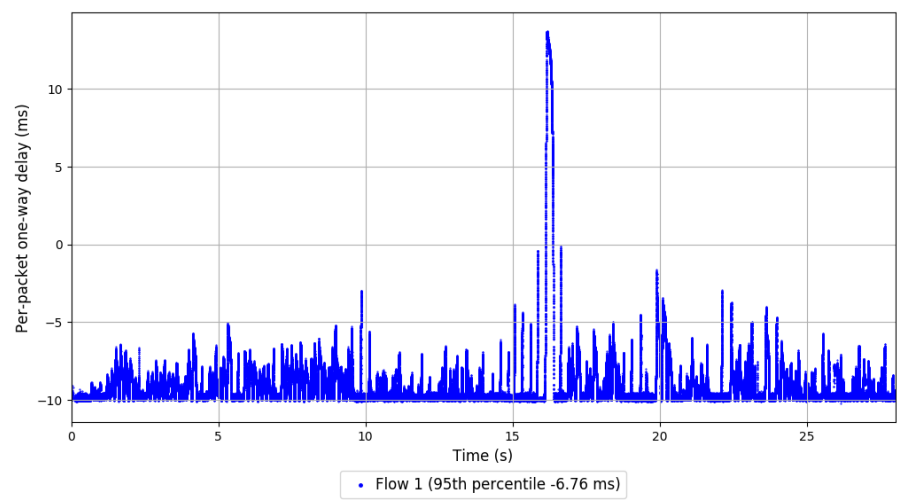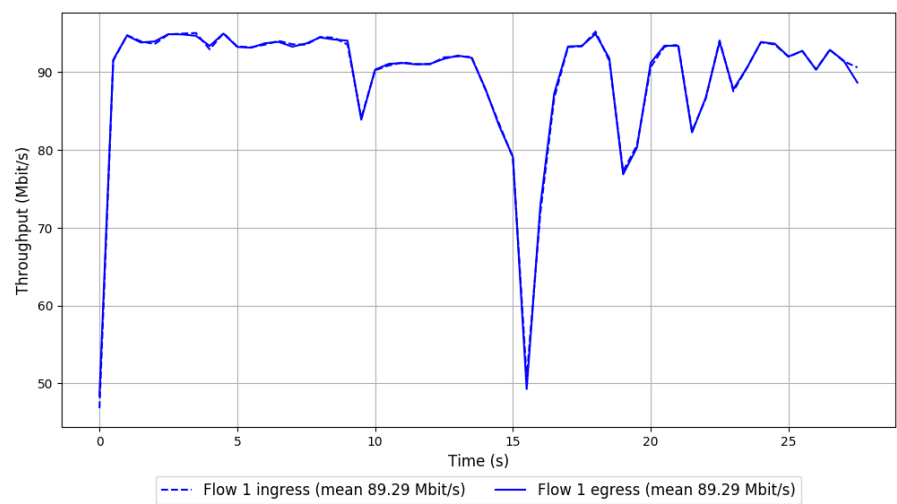
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 91.94 Mbit/s)   Flow 1 egress (mean 91.94 Mbit/s)

Flow 1 (95th percentile -4.25 ms)

```
Run 5: Statistics of Copa

Start at: 2018-01-02 01:43:11
End at: 2018-01-02 01:43:41
Local clock offset: 1.459 ms
Remote clock offset: -10.381 ms


# Below is generated by plot.py at 2018-01-02 04:04:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: -6.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: -6.977 ms
Loss rate: 0.00%
```
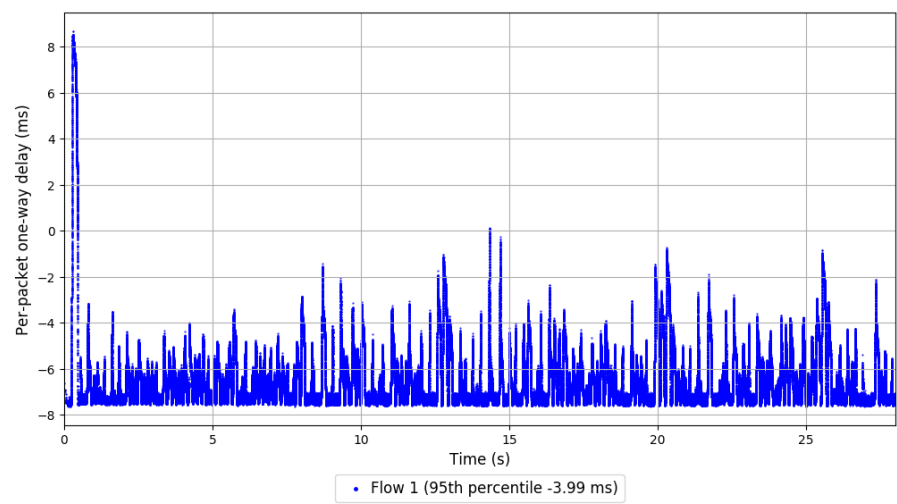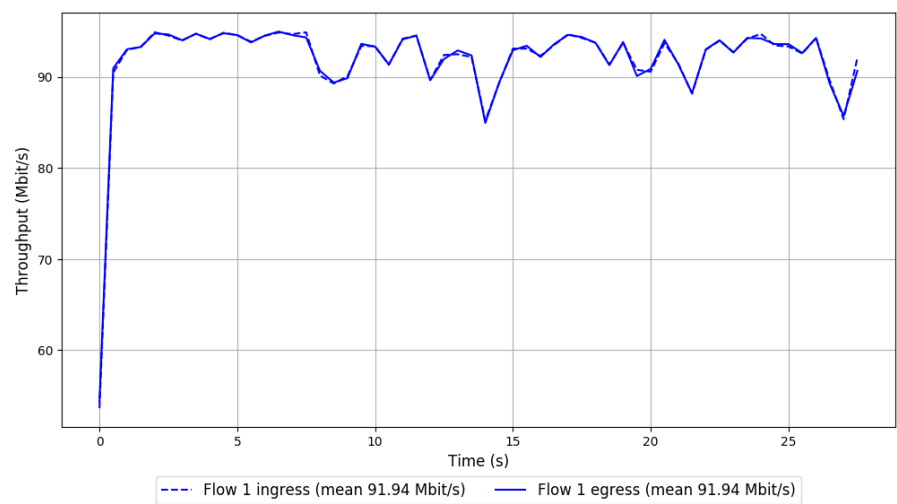
Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 91.73 Mbit/s) --- Flow 1 egress (mean 91.73 Mbit/s)

• Flow 1 (95th percentile -6.98 ms)

```
Run 6: Statistics of Copa

Start at: 2018-01-02 02:00:49
End at: 2018-01-02 02:01:20
Local clock offset: 1.297 ms
Remote clock offset: -10.154 ms


# Below is generated by plot.py at 2018-01-02 04:04:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: -6.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: -6.756 ms
Loss rate: 0.00%
```
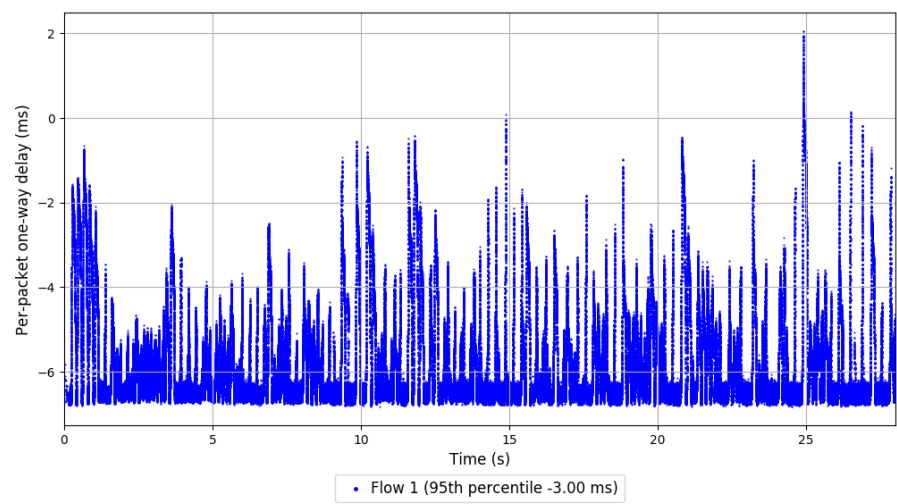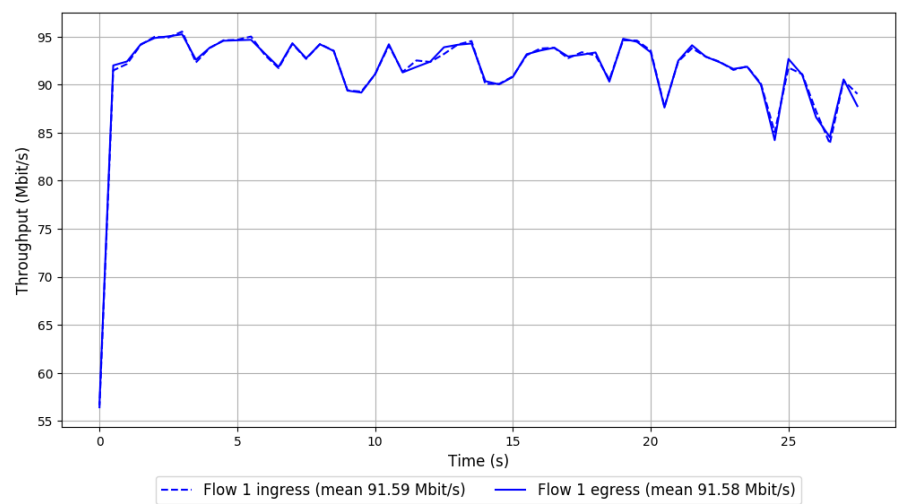
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 89.29 Mbit/s) ----- Flow 1 egress (mean 89.29 Mbit/s)

Flow 1 (95th percentile -6.76 ms)

```
Run 7: Statistics of Copa

Start at: 2018-01-02 02:18:34
End at: 2018-01-02 02:19:05
Local clock offset: 0.46 ms
Remote clock offset: -8.657 ms


# Below is generated by plot.py at 2018-01-02 04:04:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: -3.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: -3.991 ms
Loss rate: 0.00%
```
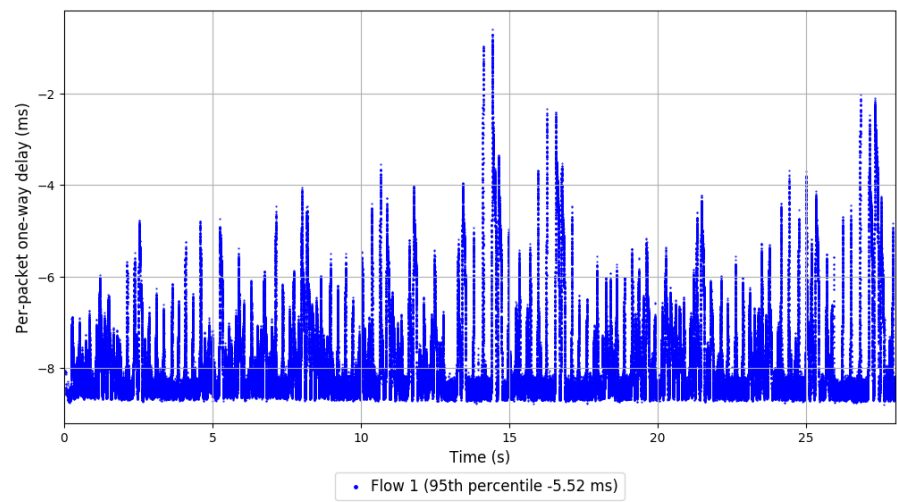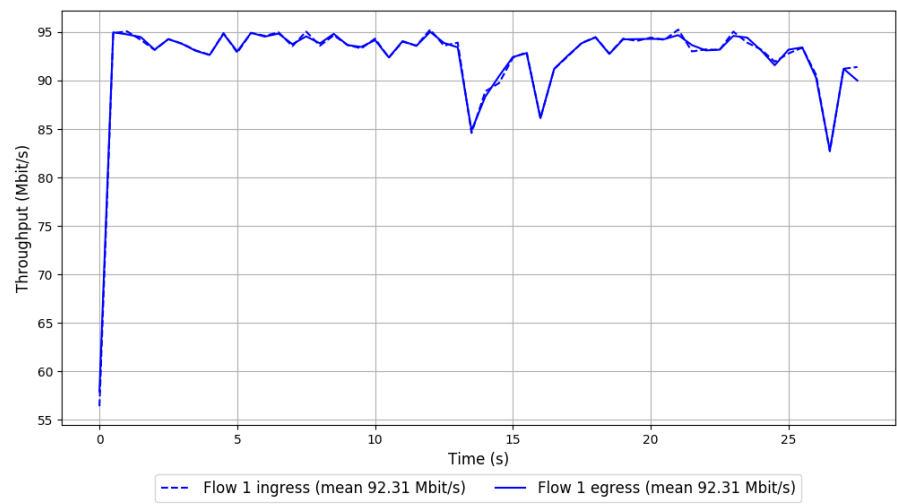
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 91.94 Mbit/s)   Flow 1 egress (mean 91.94 Mbit/s)

Flow 1 (95th percentile -3.99 ms)

```
Run 8: Statistics of Copa

Start at: 2018-01-02 02:36:22
End at: 2018-01-02 02:36:52
Local clock offset: 0.602 ms
Remote clock offset: -7.724 ms


# Below is generated by plot.py at 2018-01-02 04:04:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: -3.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: -3.004 ms
Loss rate: 0.00%
```
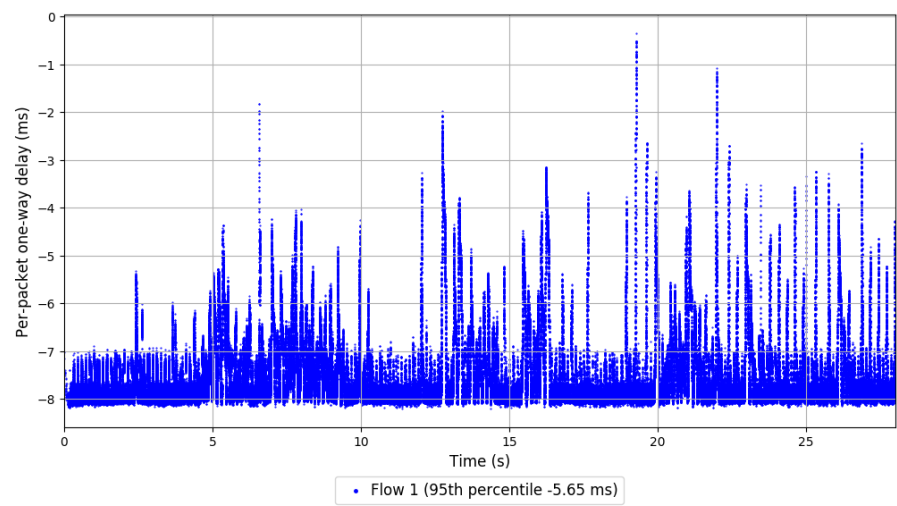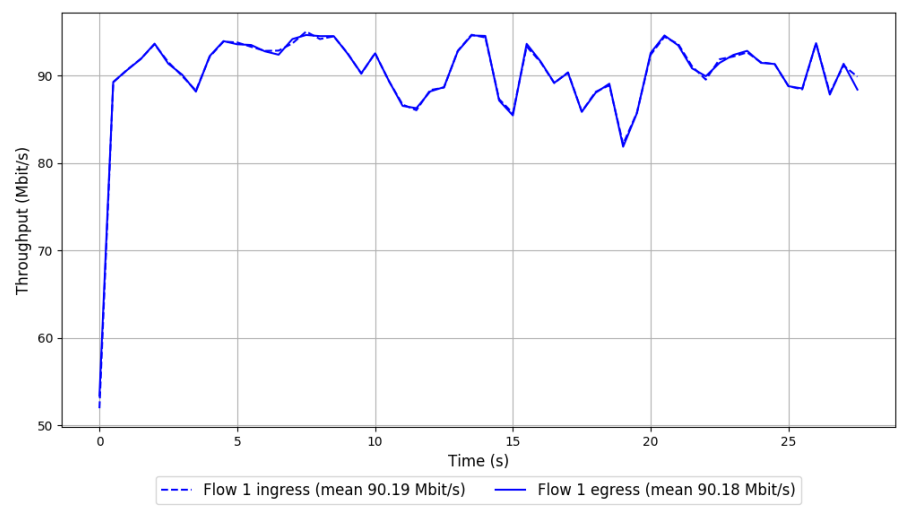
Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-01-02 02:54:01
End at: 2018-01-02 02:54:31
Local clock offset: -0.834 ms
Remote clock offset: -10.928 ms


# Below is generated by plot.py at 2018-01-02 04:05:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: -5.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: -5.524 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

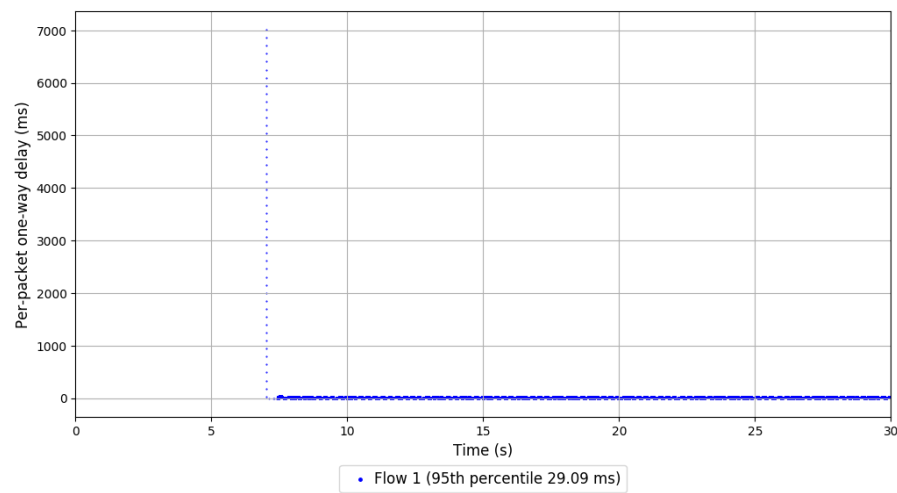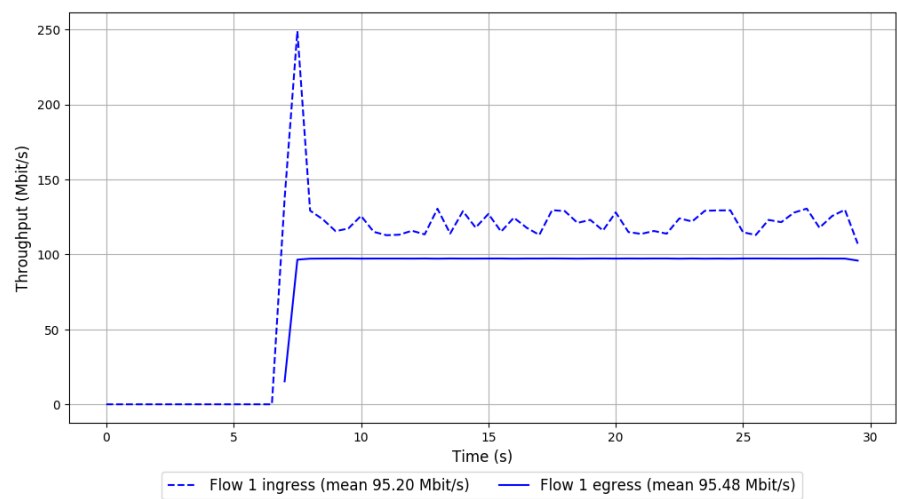Flow 1 ingress (mean 92.31 Mbit/s) --- Flow 1 egress (mean 92.31 Mbit/s)

Flow 1 (95th percentile -5.52 ms)

```
Run 10: Statistics of Copa

Start at: 2018-01-02 03:11:42
End at: 2018-01-02 03:12:12
Local clock offset: 0.647 ms
Remote clock offset: -8.998 ms


# Below is generated by plot.py at 2018-01-02 04:06:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: -5.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: -5.652 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

```
Run 1: Statistics of FillP

Start at: 2018-01-02 00:36:42
End at: 2018-01-02 00:37:12
Local clock offset: -9.812 ms
Remote clock offset: -15.27 ms
```
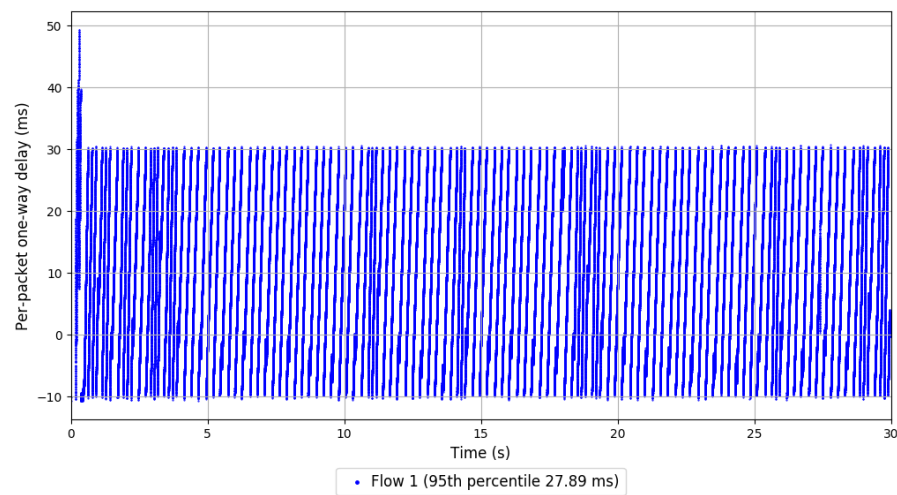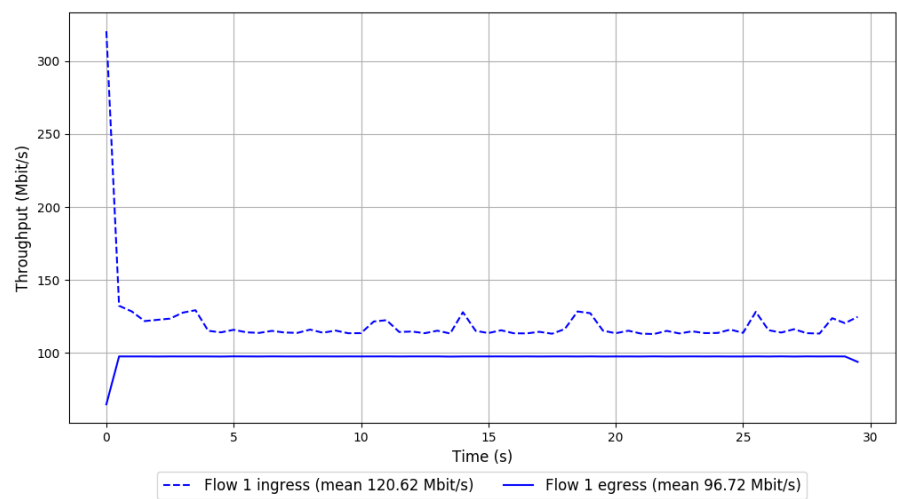
Run 1: Report of FillP — Data Link

```
Run 2: Statistics of FillP

Start at: 2018-01-02 00:54:02
End at: 2018-01-02 00:54:32
Local clock offset: -3.215 ms
Remote clock offset: -11.806 ms

# Below is generated by plot.py at 2018-01-02 04:06:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 27.894 ms
Loss rate: 19.79%
-- Flow 1:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 27.894 ms
Loss rate: 19.79%
```
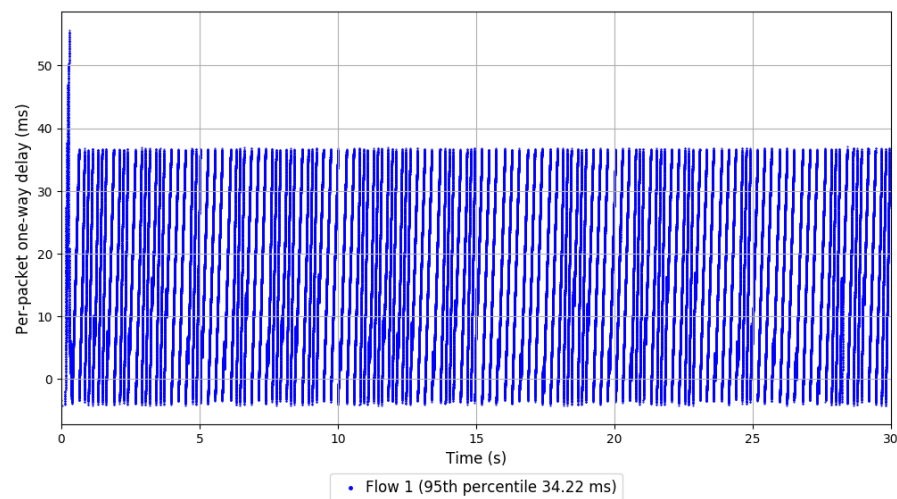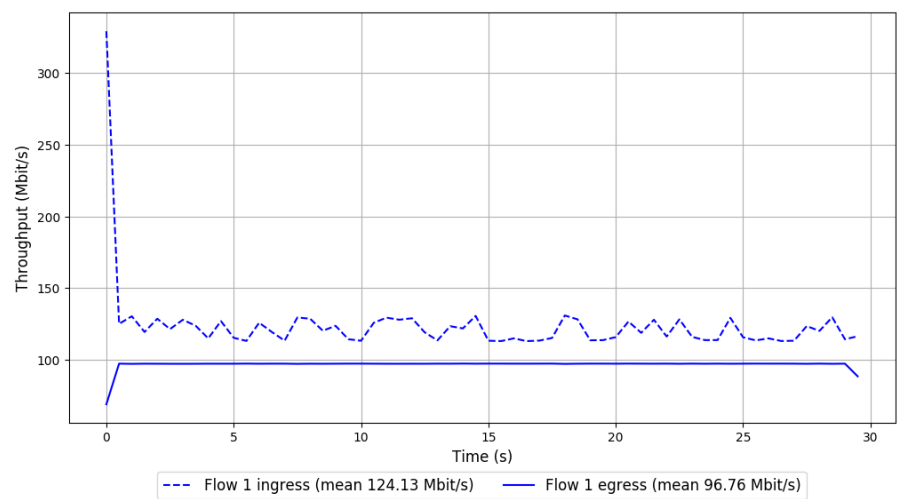
Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-01-02 01:11:26
End at: 2018-01-02 01:11:56
Local clock offset: -2.682 ms
Remote clock offset: -8.025 ms


# Below is generated by plot.py at 2018-01-02 04:06:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 34.221 ms
Loss rate: 22.02%
-- Flow 1:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 34.221 ms
Loss rate: 22.02%
```

Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 124.13 Mbit/s) --- Flow 1 egress (mean 96.76 Mbit/s)

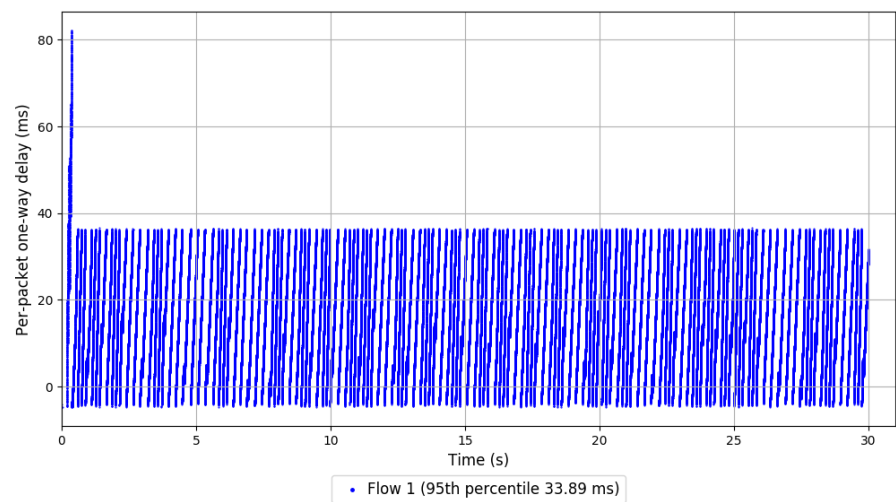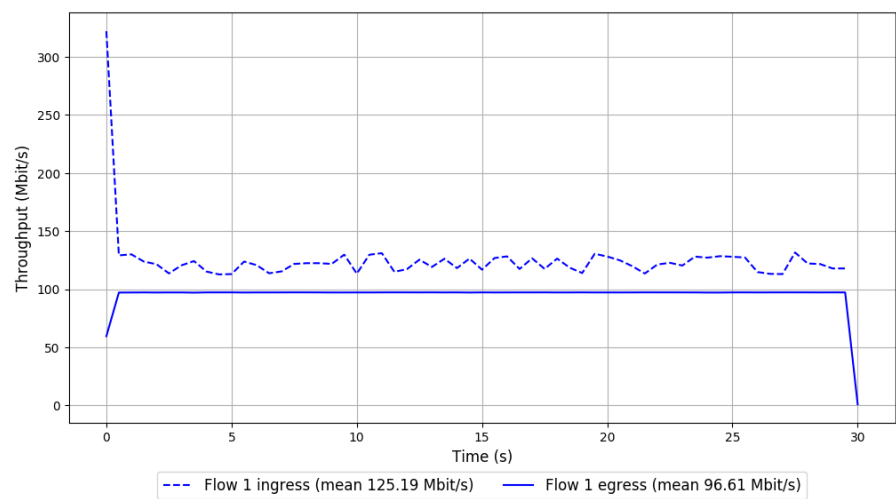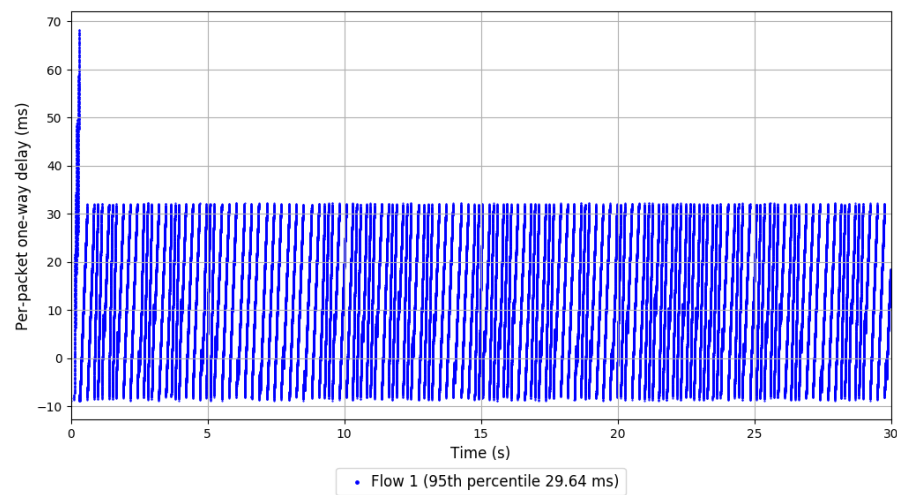Flow 1 (95th percentile 34.22 ms)

```
Run 4: Statistics of FillP

Start at: 2018-01-02 01:29:09
End at: 2018-01-02 01:29:39
Local clock offset: -1.361 ms
Remote clock offset: -8.188 ms


# Below is generated by plot.py at 2018-01-02 04:06:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 33.889 ms
Loss rate: 22.74%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 33.889 ms
Loss rate: 22.74%
```

Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 125.19 Mbit/s) --- Flow 1 egress (mean 96.61 Mbit/s)

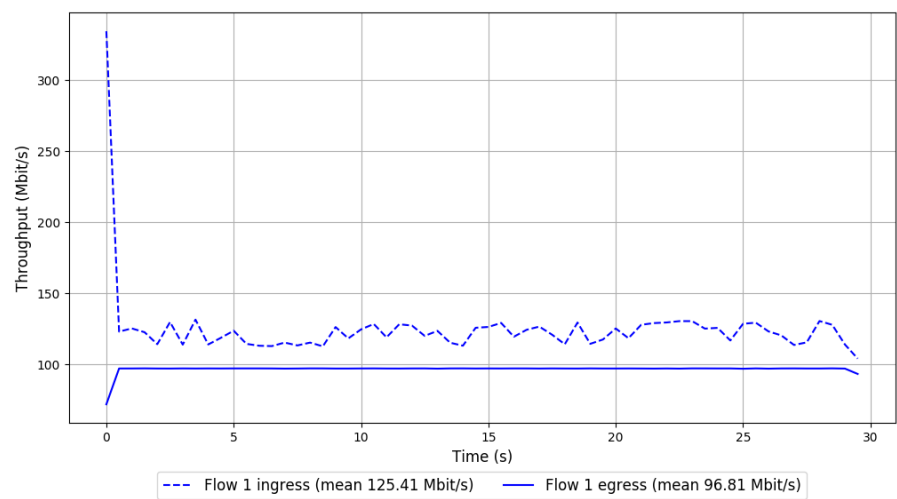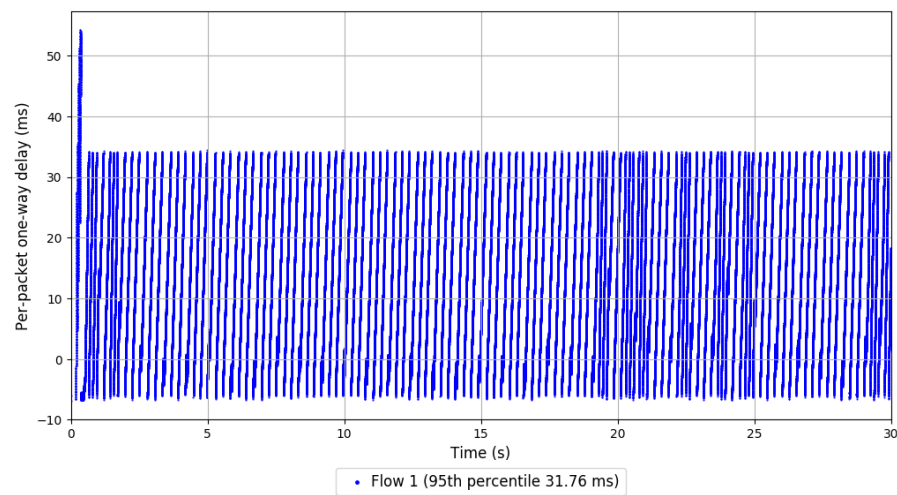Flow 1 (95th percentile 33.89 ms)

```
Run 5: Statistics of FillP

Start at: 2018-01-02 01:46:45
End at: 2018-01-02 01:47:15
Local clock offset: 1.589 ms
Remote clock offset: -8.968 ms


# Below is generated by plot.py at 2018-01-02 04:06:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 29.645 ms
Loss rate: 22.74%
-- Flow 1:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 29.645 ms
Loss rate: 22.74%
```

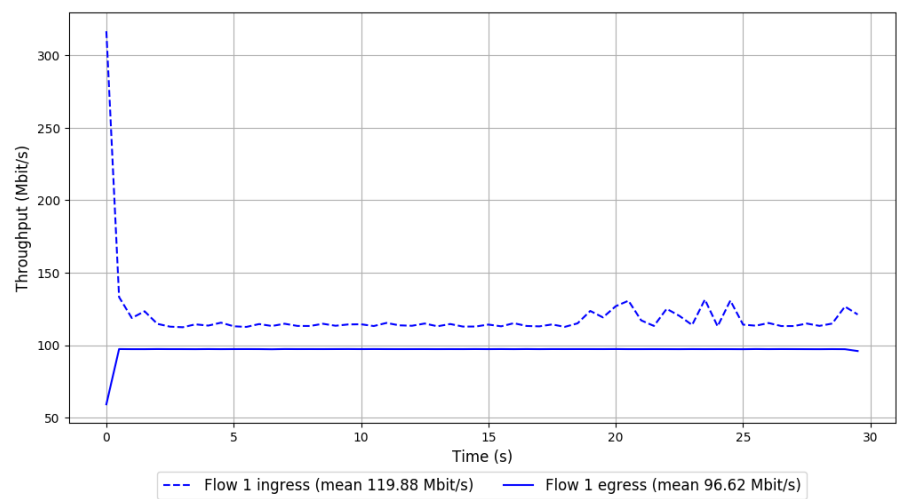# Run 5: Report of FillP — Data Link

```
Run 6: Statistics of FillP

Start at: 2018-01-02 02:04:27
End at: 2018-01-02 02:04:57
Local clock offset: 0.628 ms
Remote clock offset: -7.551 ms


# Below is generated by plot.py at 2018-01-02 04:06:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 31.760 ms
Loss rate: 19.34%
-- Flow 1:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 31.760 ms
Loss rate: 19.34%
```

Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 119.88 Mbit/s) --- Flow 1 egress (mean 96.62 Mbit/s)

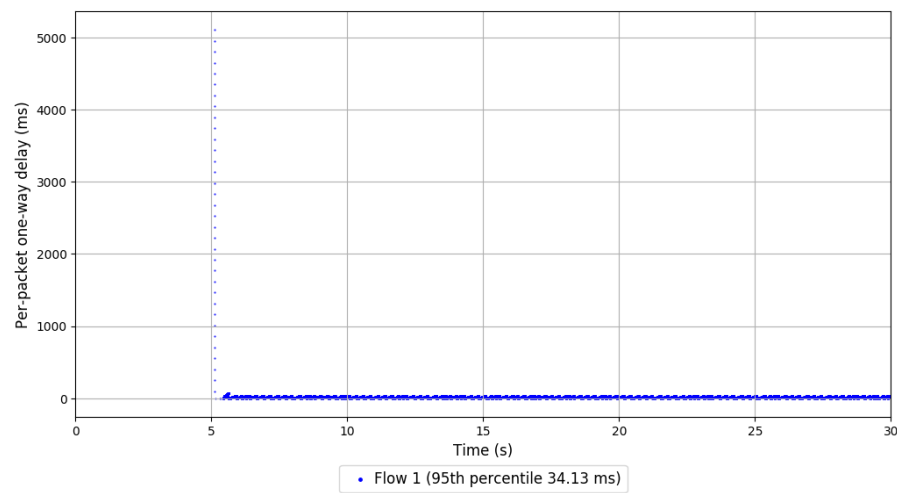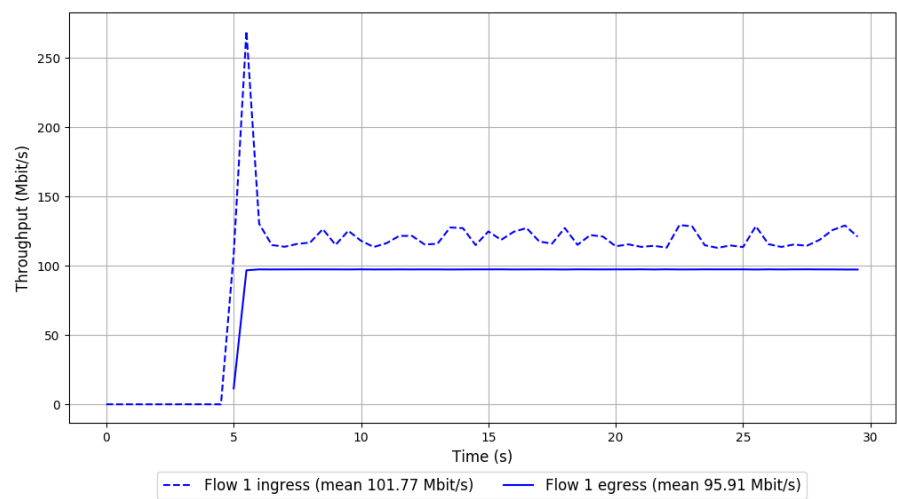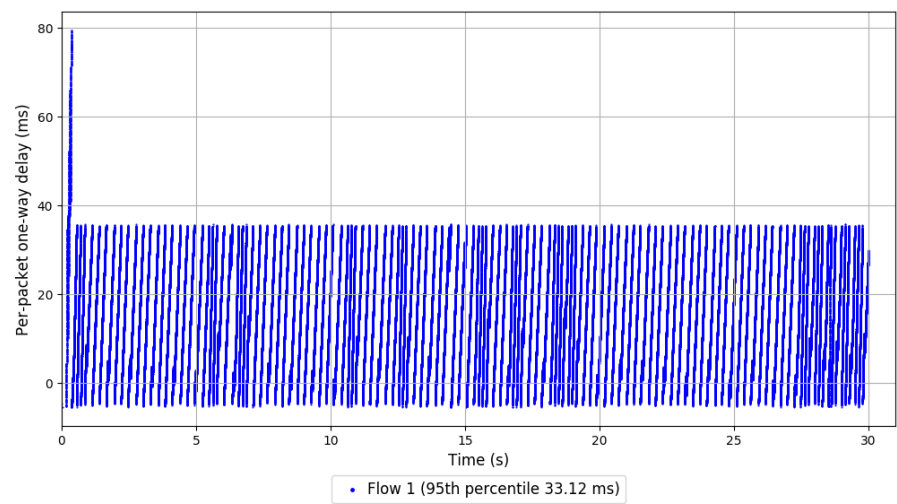• Flow 1 (95th percentile 31.76 ms)

```
Run 7: Statistics of FillP

Start at: 2018-01-02 02:22:12
End at: 2018-01-02 02:22:42
Local clock offset: -2.06 ms
Remote clock offset: -8.025 ms


# Below is generated by plot.py at 2018-01-02 04:07:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 34.133 ms
Loss rate: 21.72%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 34.133 ms
Loss rate: 21.72%
```

Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 101.77 Mbit/s) --- Flow 1 egress (mean 95.91 Mbit/s)

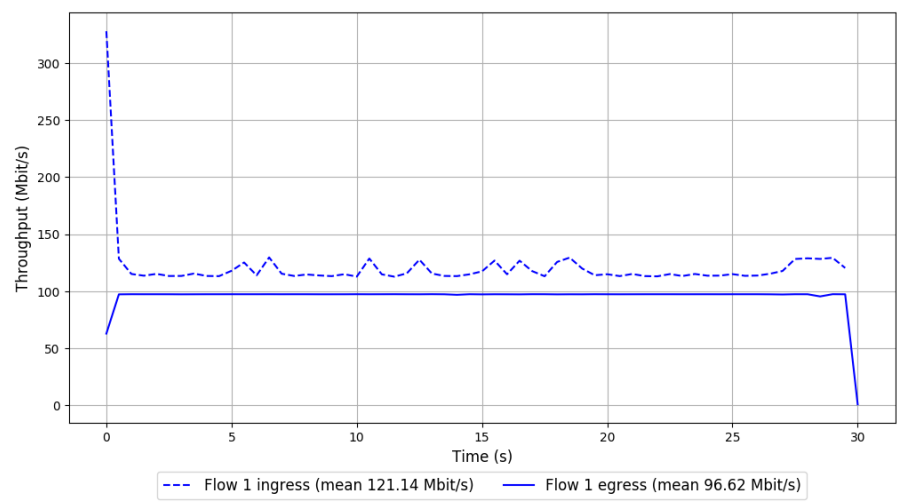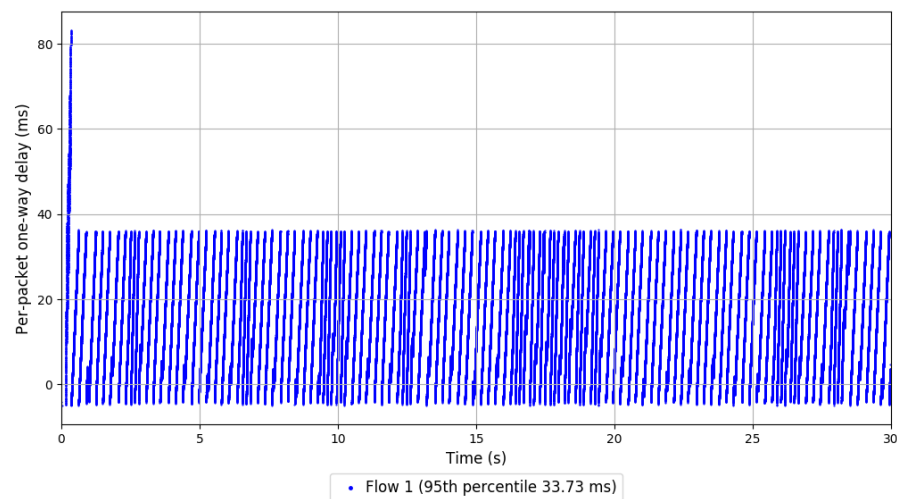• Flow 1 (95th percentile 34.13 ms)

```
Run 8: Statistics of FillP

Start at: 2018-01-02 02:40:02
End at: 2018-01-02 02:40:32
Local clock offset: -0.774 ms
Remote clock offset: -7.729 ms


# Below is generated by plot.py at 2018-01-02 04:07:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 33.117 ms
Loss rate: 20.15%
-- Flow 1:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 33.117 ms
Loss rate: 20.15%
```

Run 8: Report of FillP — Data Link

Flow 1 ingress (mean 121.14 Mbit/s)   Flow 1 egress (mean 96.62 Mbit/s)

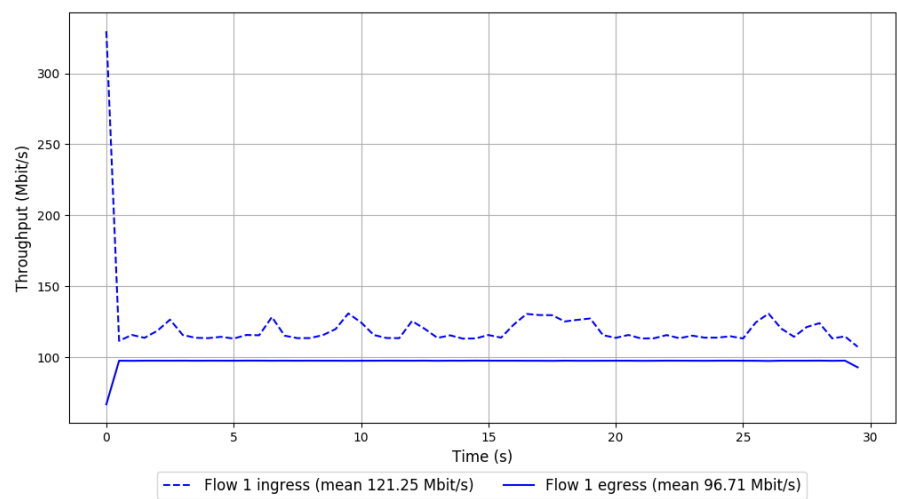Flow 1 (95th percentile 33.12 ms)

```
Run 9: Statistics of FillP

Start at: 2018-01-02 02:57:40
End at: 2018-01-02 02:58:10
Local clock offset: -1.882 ms
Remote clock offset: -8.185 ms


# Below is generated by plot.py at 2018-01-02 04:07:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 33.727 ms
Loss rate: 20.22%
-- Flow 1:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 33.727 ms
Loss rate: 20.22%
```

Run 9: Report of FillP — Data Link

```
Run 10: Statistics of FillP

Start at: 2018-01-02 03:15:20
End at: 2018-01-02 03:15:51
Local clock offset: -1.672 ms
Remote clock offset: -9.46 ms


# Below is generated by plot.py at 2018-01-02 04:08:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 32.384 ms
Loss rate: 22.09%
-- Flow 1:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 32.384 ms
Loss rate: 22.09%
```
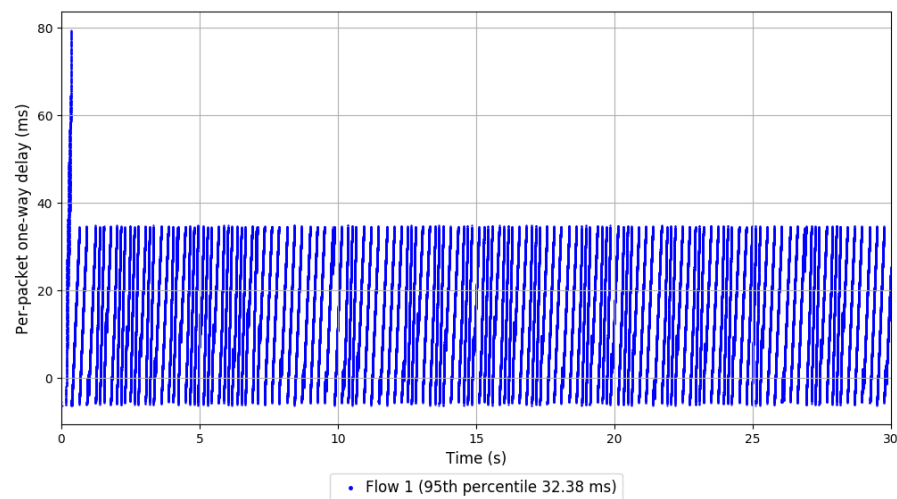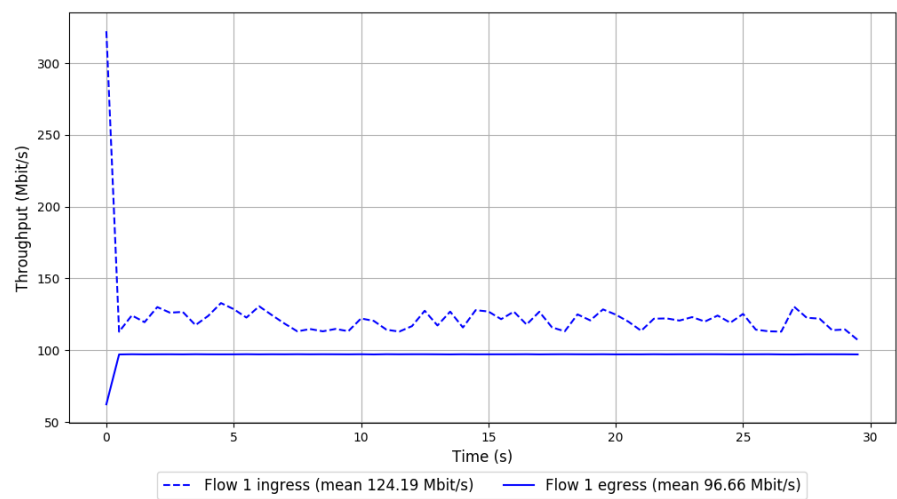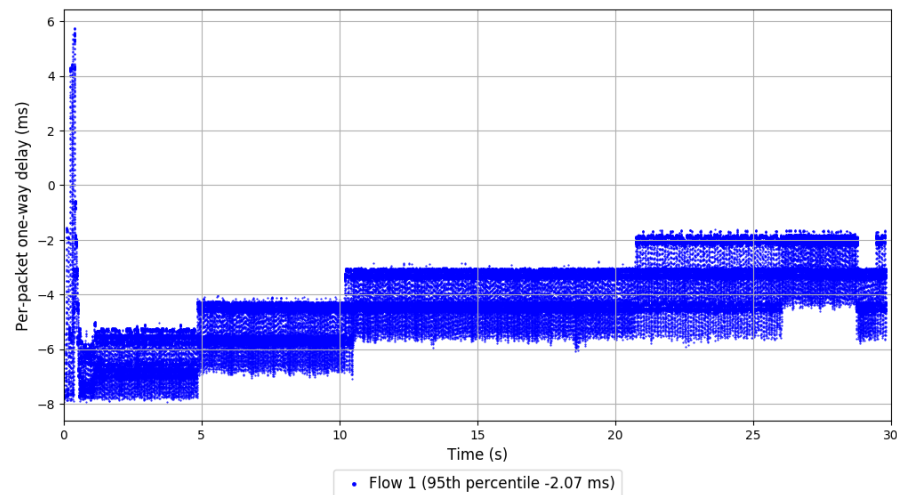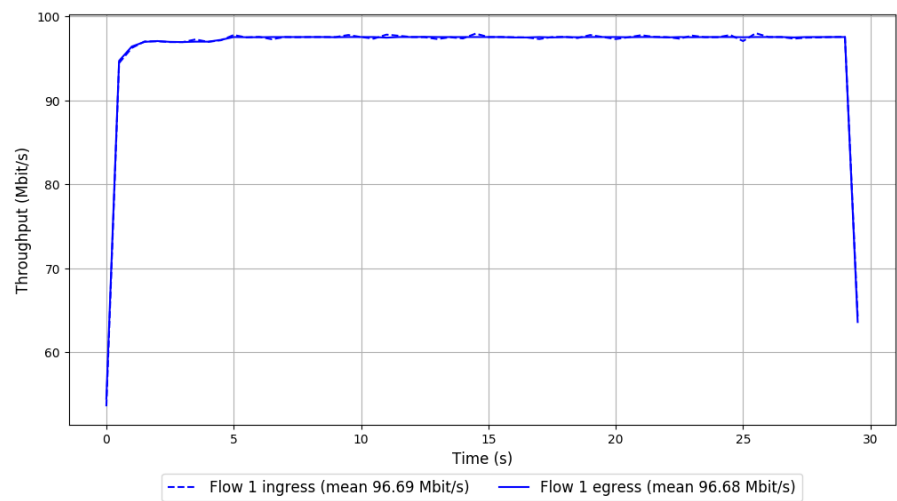
Run 10: Report of FillP — Data Link

```
Run 1: Statistics of Indigo

Start at: 2018-01-02 00:30:51
End at: 2018-01-02 00:31:21
Local clock offset: -7.356 ms
Remote clock offset: -11.517 ms


# Below is generated by plot.py at 2018-01-02 04:08:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: -2.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: -2.071 ms
Loss rate: 0.00%
```
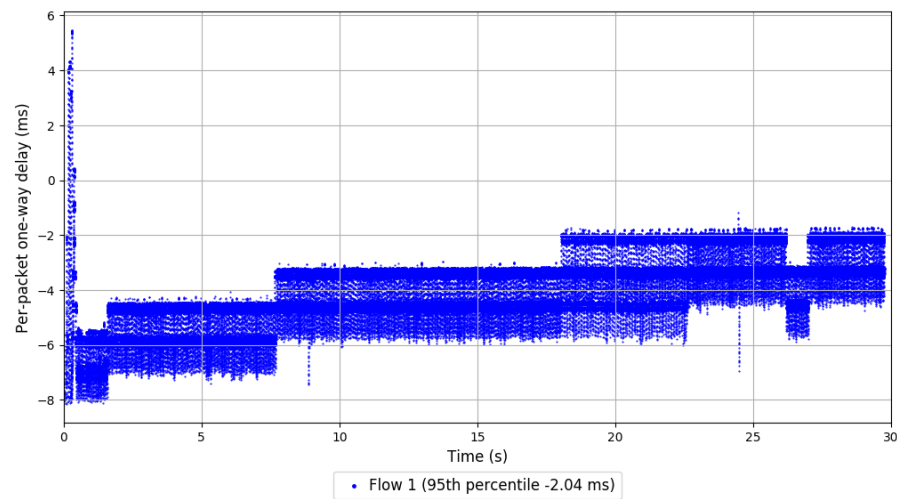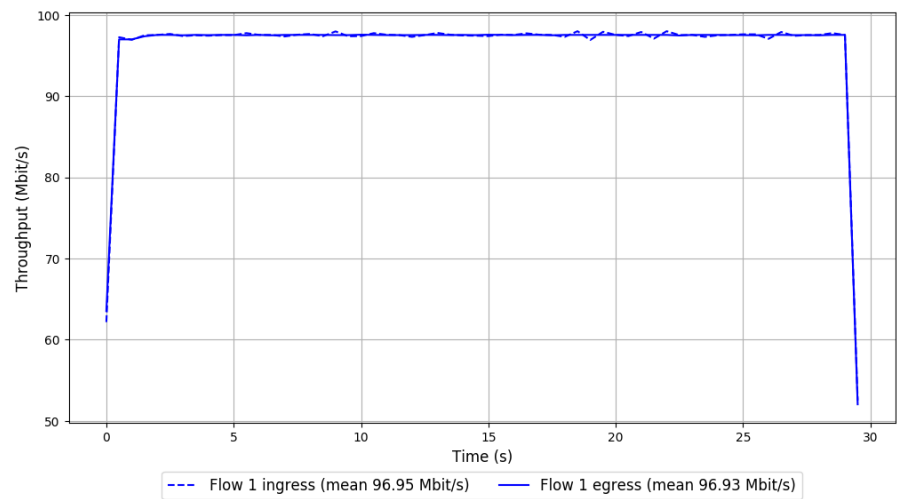
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2018-01-02 00:48:09
End at: 2018-01-02 00:48:39
Local clock offset: -6.802 ms
Remote clock offset: -11.741 ms


# Below is generated by plot.py at 2018-01-02 04:08:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: -2.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: -2.042 ms
Loss rate: 0.00%
```
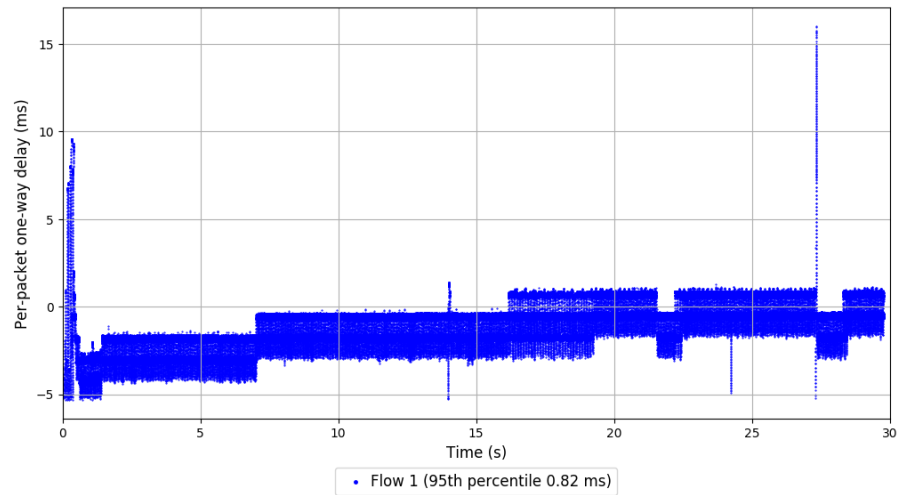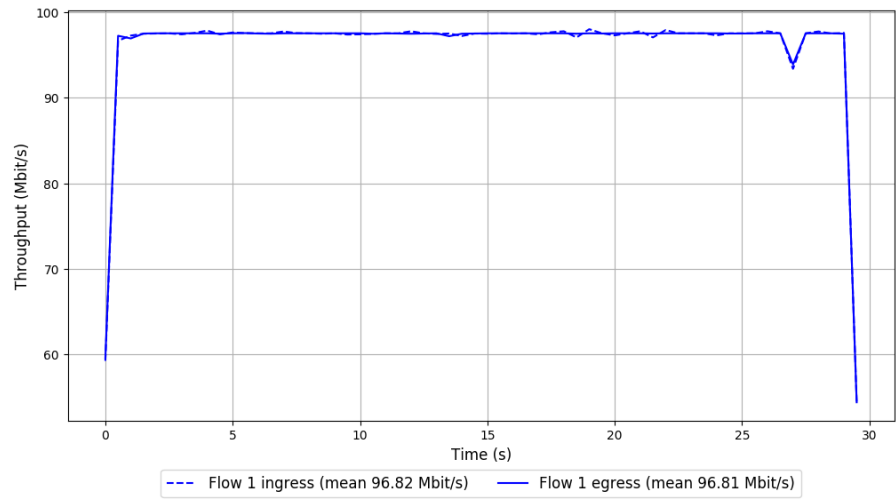
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2018-01-02 01:05:28
End at: 2018-01-02 01:05:58
Local clock offset: -3.048 ms
Remote clock offset: -8.865 ms


# Below is generated by plot.py at 2018-01-02 04:08:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 0.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 0.816 ms
Loss rate: 0.00%
```

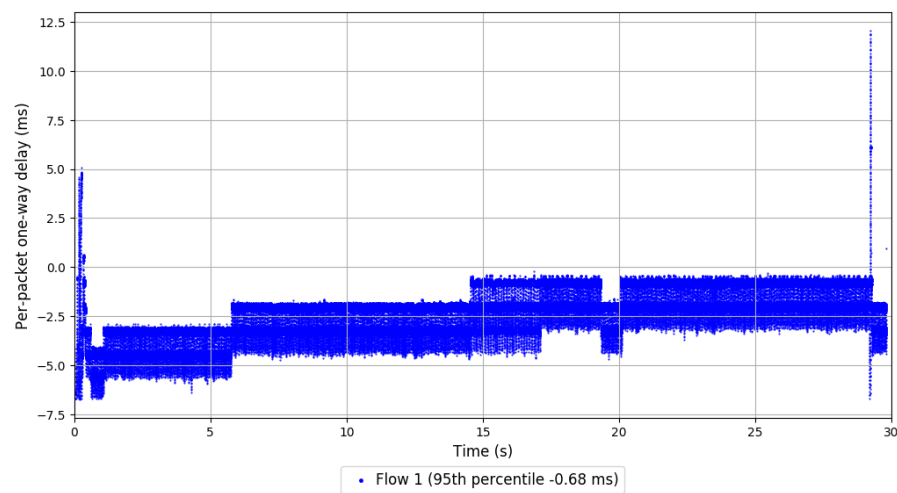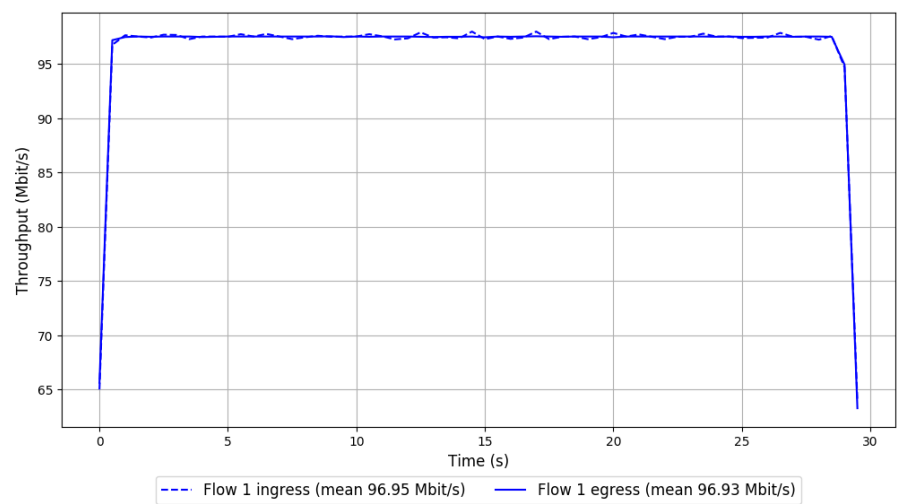Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2018-01-02 01:23:01
End at: 2018-01-02 01:23:31
Local clock offset: 0.245 ms
Remote clock offset: -8.263 ms


# Below is generated by plot.py at 2018-01-02 04:08:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: -0.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: -0.683 ms
Loss rate: 0.00%
```

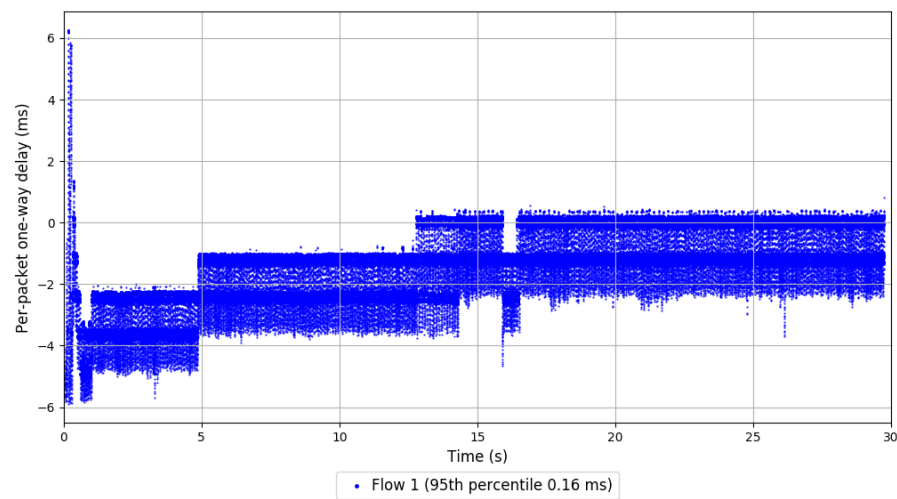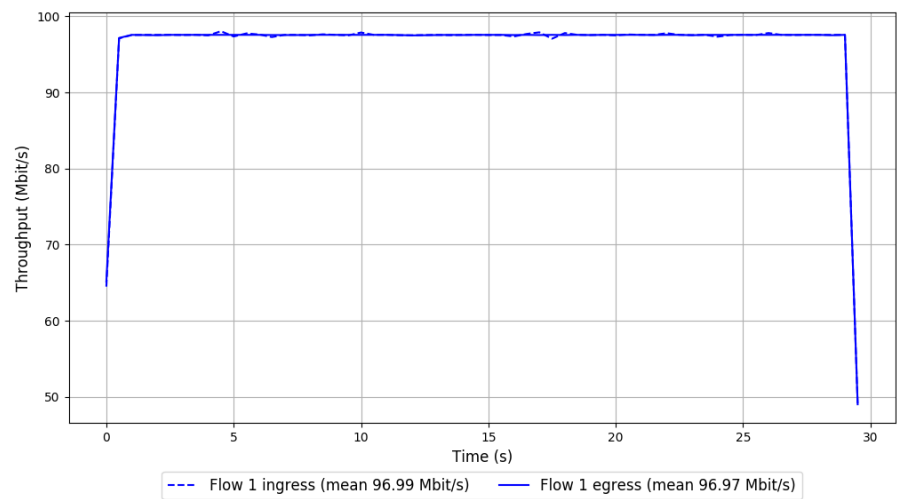Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2018-01-02 01:40:46
End at: 2018-01-02 01:41:16
Local clock offset: -0.561 ms
Remote clock offset: -8.234 ms


# Below is generated by plot.py at 2018-01-02 04:08:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 0.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 0.159 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2018-01-02 01:58:26
End at: 2018-01-02 01:58:56
Local clock offset: -1.283 ms
Remote clock offset: -7.26 ms


# Below is generated by plot.py at 2018-01-02 04:08:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.09%
```
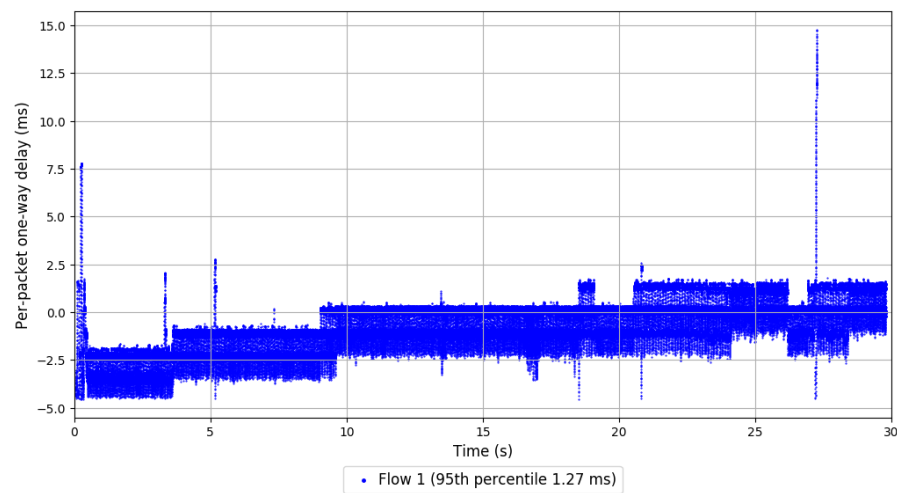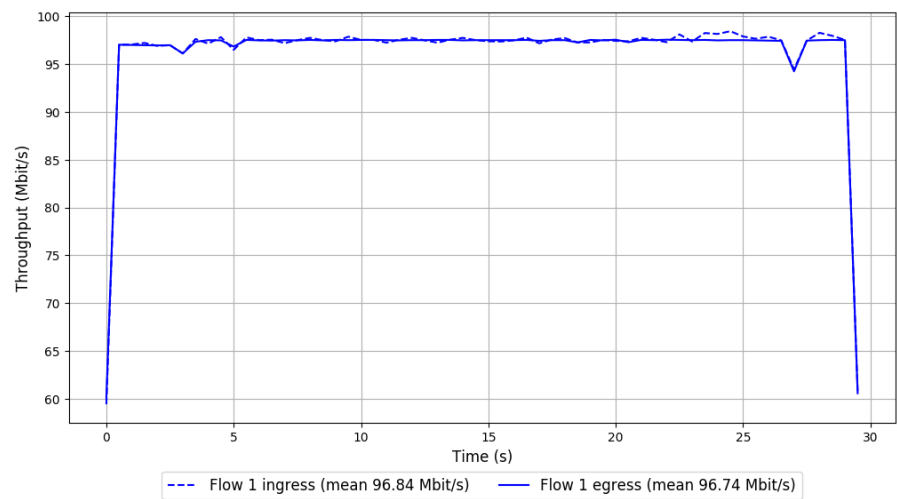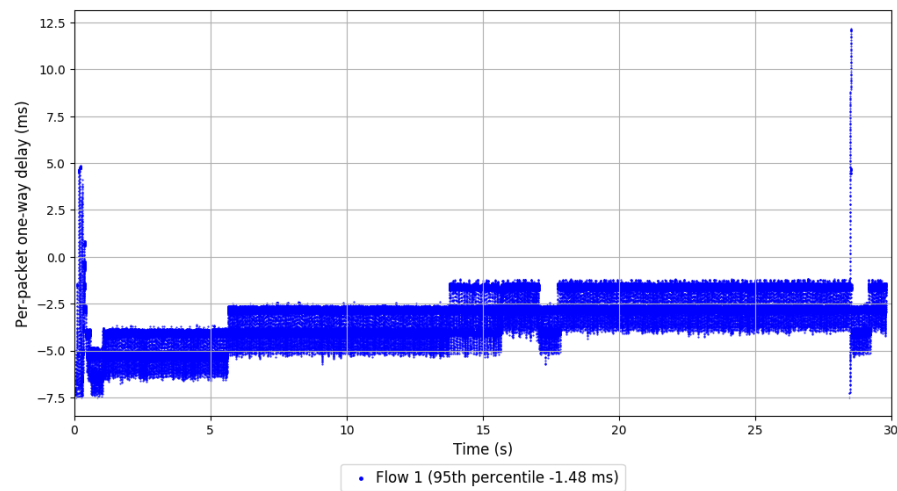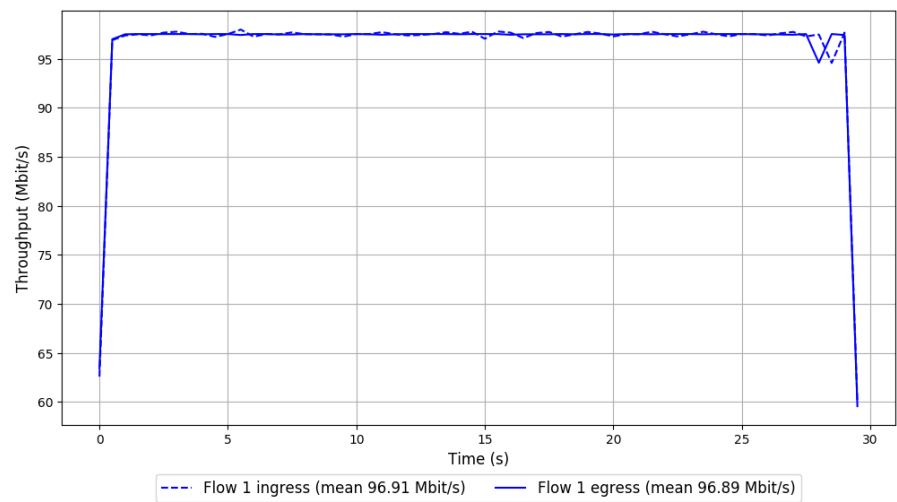
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2018-01-02 02:16:11
End at: 2018-01-02 02:16:41
Local clock offset: -1.935 ms
Remote clock offset: -10.953 ms


# Below is generated by plot.py at 2018-01-02 04:08:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: -1.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: -1.483 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

Flow 1 ingress (mean 96.91 Mbit/s) --- Flow 1 egress (mean 96.89 Mbit/s)
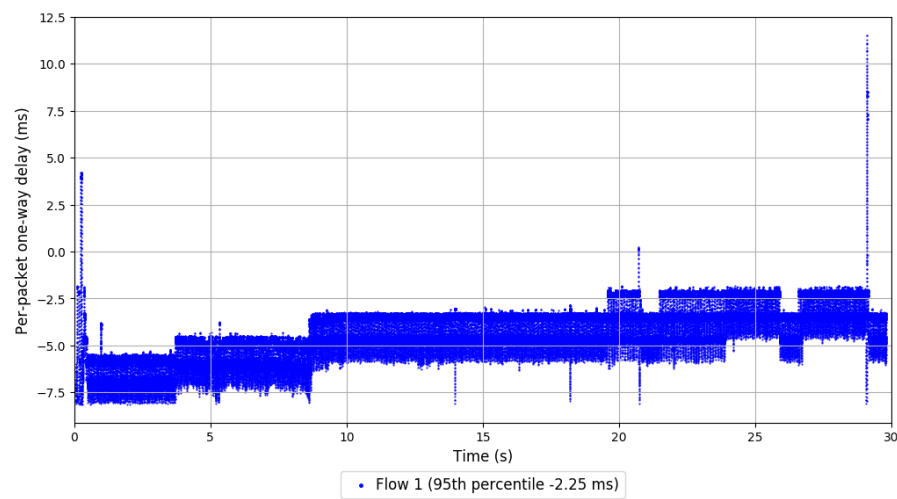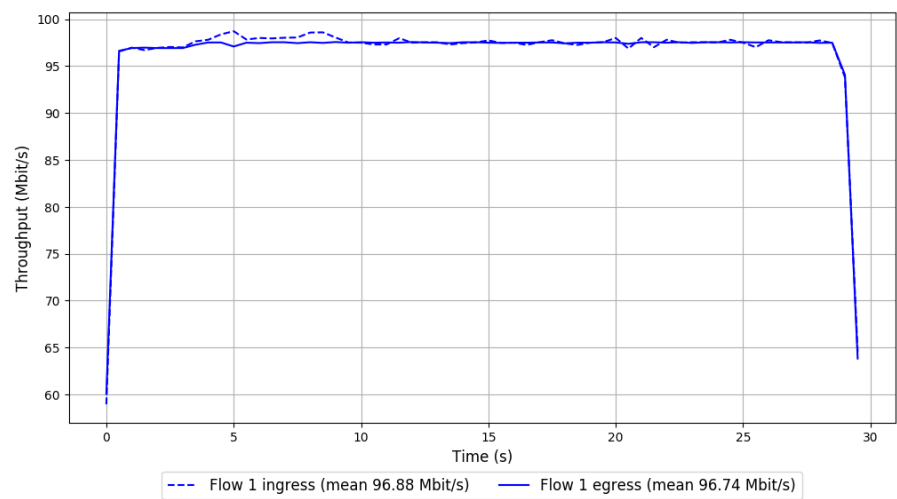

Flow 1 (95th percentile -1.48 ms)

```
Run 8: Statistics of Indigo

Start at: 2018-01-02 02:33:53
End at: 2018-01-02 02:34:23
Local clock offset: -0.173 ms
Remote clock offset: -9.826 ms


# Below is generated by plot.py at 2018-01-02 04:08:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: -2.252 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: -2.252 ms
Loss rate: 0.13%
```
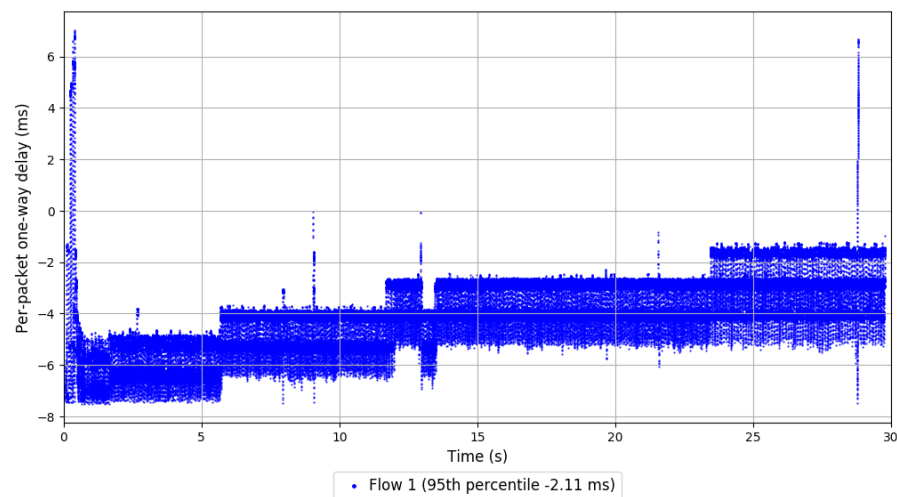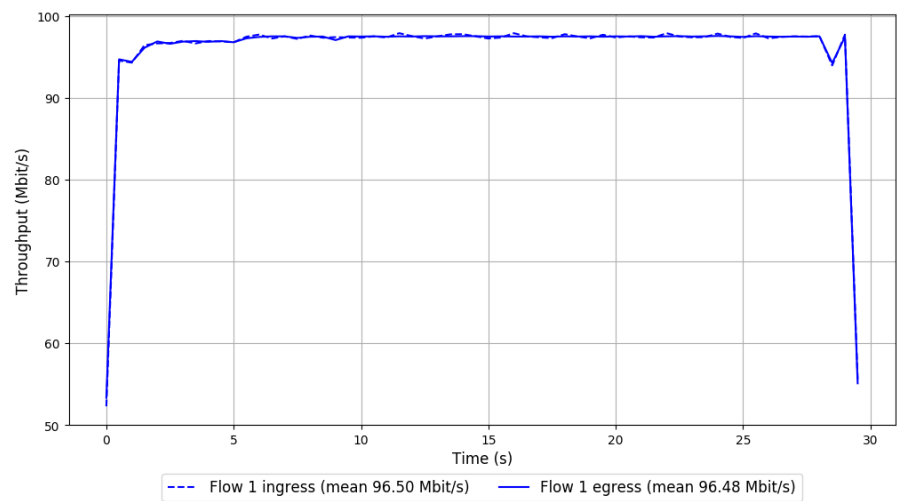
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2018-01-02 02:51:39
End at: 2018-01-02 02:52:09
Local clock offset: -0.72 ms
Remote clock offset: -9.699 ms


# Below is generated by plot.py at 2018-01-02 04:08:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: -2.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: -2.114 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2018-01-02 03:09:17
End at: 2018-01-02 03:09:47
Local clock offset: 1.808 ms
Remote clock offset: -8.915 ms


# Below is generated by plot.py at 2018-01-02 04:08:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: -3.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: -3.831 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link