Pantheon Report

Generated at 2018-03-27 08:19:02 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

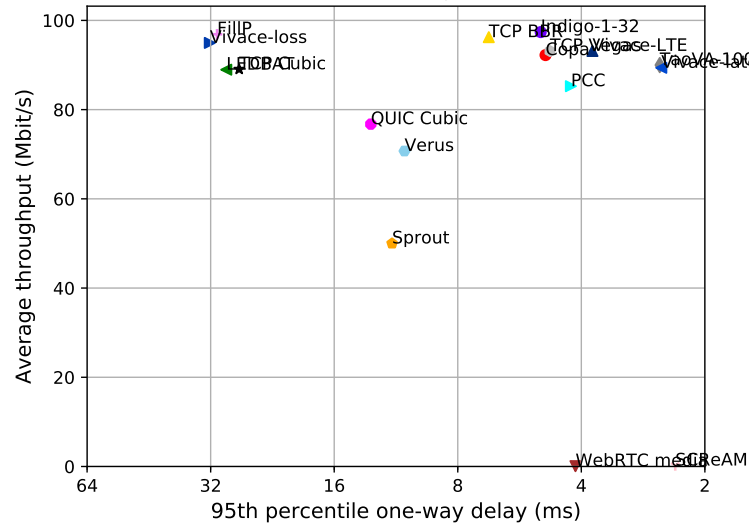Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

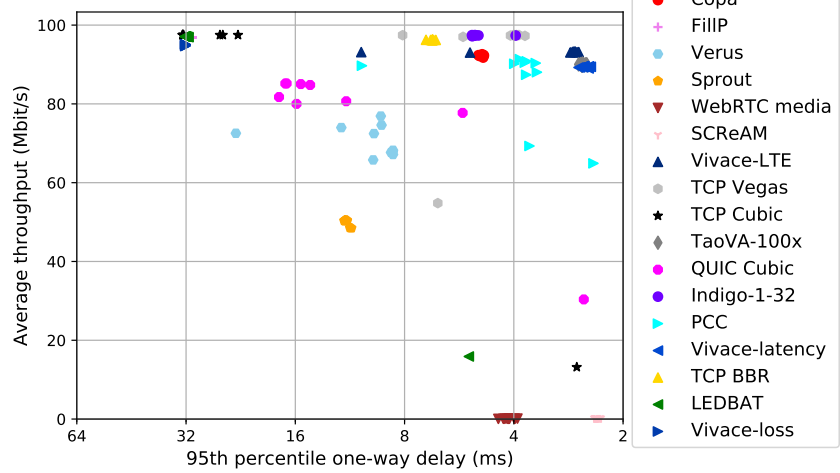NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 503f51fe03f703a4c0a826a0792a4fead3e7d1b0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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

test from AWS Brazil 1 Ethernet to Brazil 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	96.25	6.72	0.00
TCP Cubic	10	89.05	27.27	0.25
LEDBAT	10	88.95	29.32	0.23
PCC	10	85.25	4.24	0.44
QUIC Cubic	9	76.74	13.03	0.25
SCReAM	10	0.22	2.36	0.00
WebRTC media	10	0.06	4.13	0.07
Sprout	10	50.00	11.57	0.44
TaoVA-100x	10	89.98	2.58	0.00
TCP Vegas	10	93.12	4.77	0.00
Verus	10	70.72	10.79	1.20
Copa	10	92.22	4.89	0.00
FillP	10	96.89	30.87	11.94
Indigo-1-32	10	97.38	5.02	0.23
Vivace-latency	10	89.38	2.55	0.00
Vivace-loss	10	94.95	32.15	2.83
Vivace-LTE	10	93.16	3.76	0.04

```
Run 1: Statistics of TCP BBR

Start at: 2018-03-27 04:11:44
End at: 2018-03-27 04:12:14
Local clock offset: -6.857 ms
Remote clock offset: -8.075 ms

# Below is generated by plot.py at 2018-03-27 07:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.982 ms
Loss rate: 0.00%
```
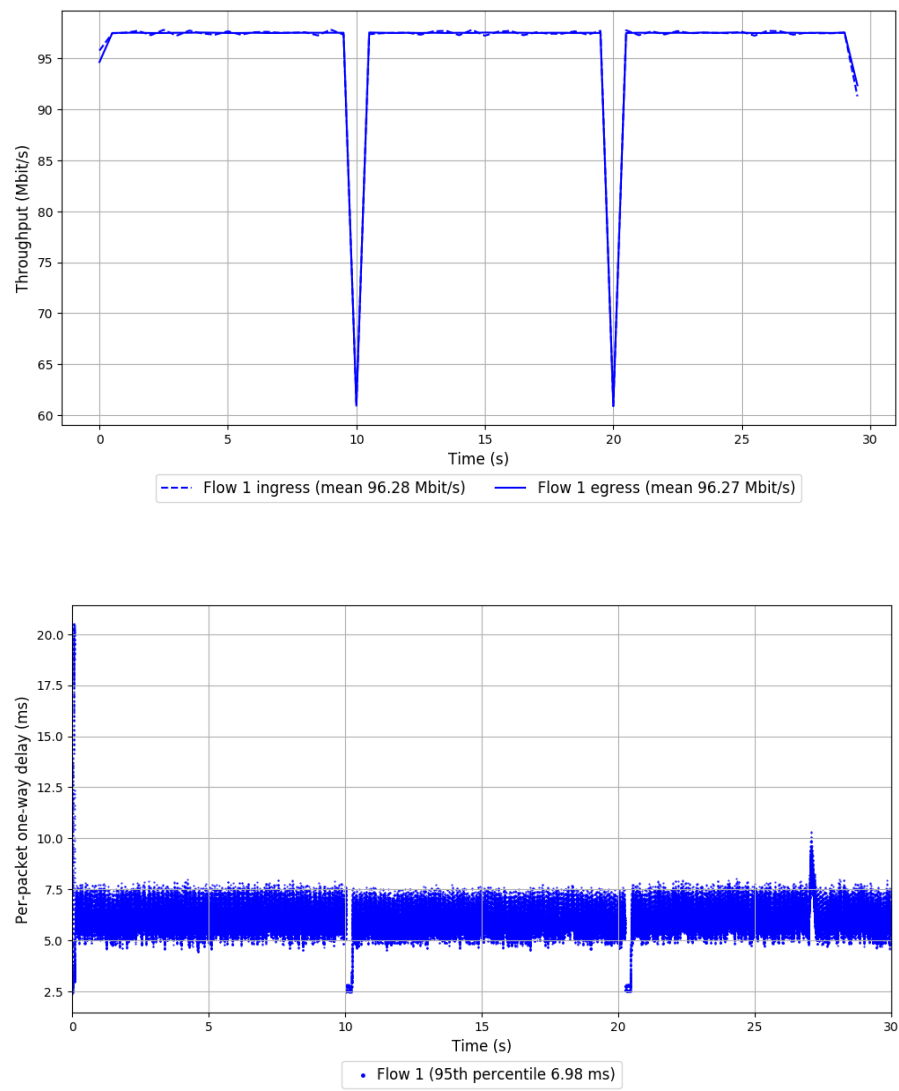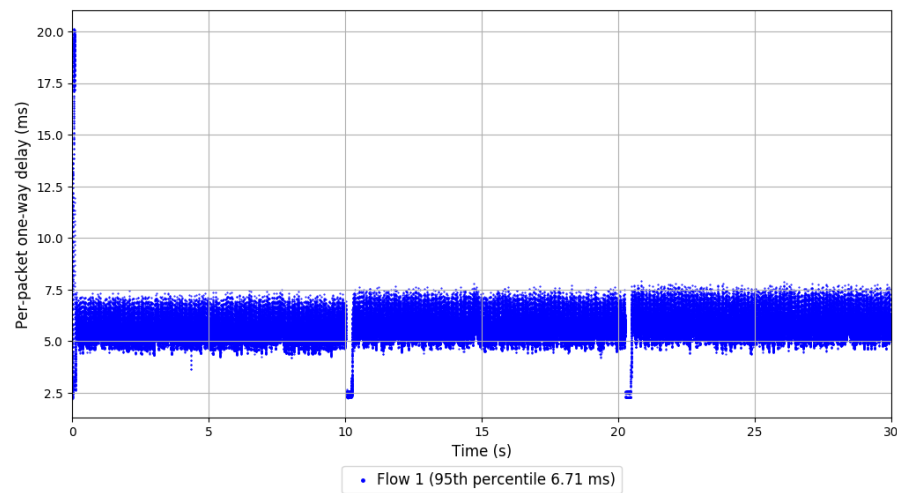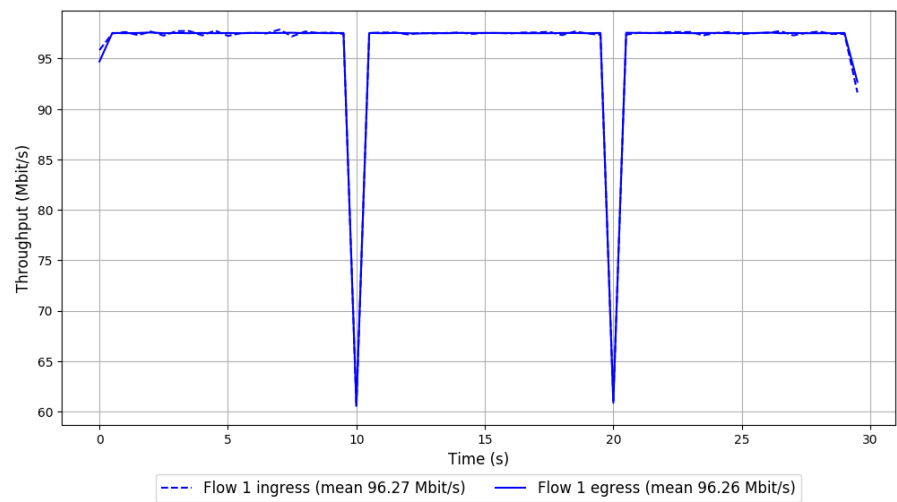
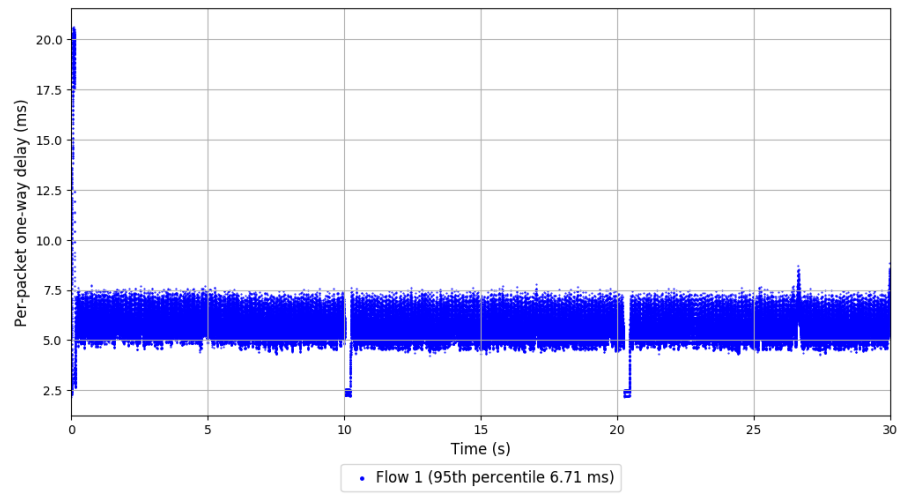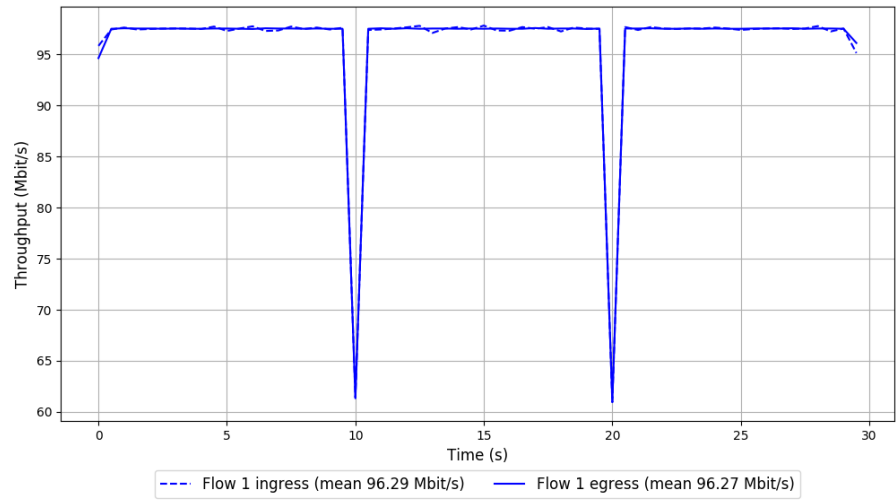# Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.28 Mbit/s)   Flow 1 egress (mean 96.27 Mbit/s)

Flow 1 (95th percentile 6.98 ms)

```
Run 2: Statistics of TCP BBR

Start at: 2018-03-27 04:32:08
End at: 2018-03-27 04:32:38
Local clock offset: -5.726 ms
Remote clock offset: -7.101 ms

# Below is generated by plot.py at 2018-03-27 07:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 6.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 6.705 ms
Loss rate: 0.00%
```

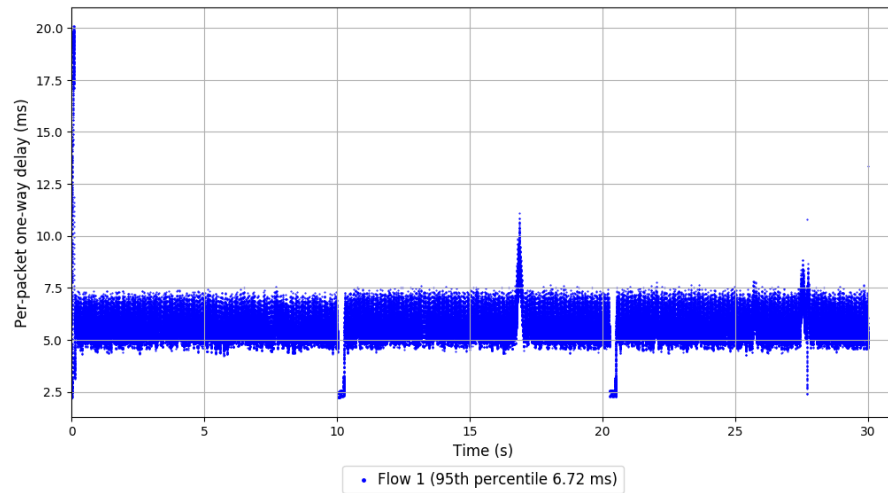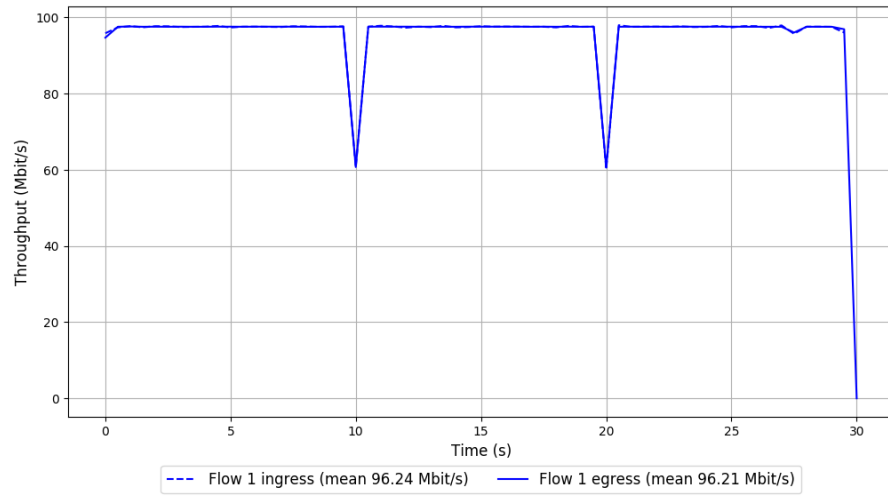Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2018-03-27 04:52:32
End at: 2018-03-27 04:53:02
Local clock offset: -6.339 ms
Remote clock offset: -6.579 ms


# Below is generated by plot.py at 2018-03-27 07:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.706 ms
Loss rate: 0.00%
```

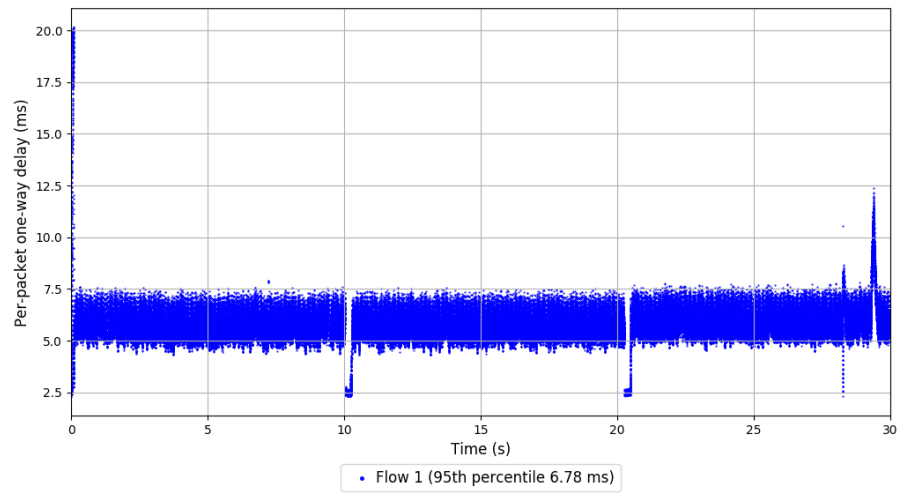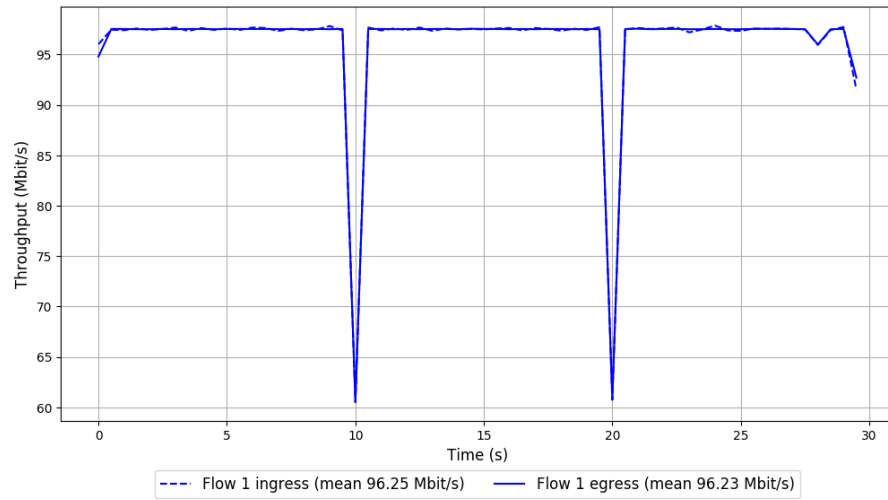# Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.29 Mbit/s)   Flow 1 egress (mean 96.27 Mbit/s)

Flow 1 (95th percentile 6.71 ms)

9

```
Run 4: Statistics of TCP BBR

Start at: 2018-03-27 05:12:49
End at: 2018-03-27 05:13:19
Local clock offset: -6.965 ms
Remote clock offset: -7.003 ms


# Below is generated by plot.py at 2018-03-27 07:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 6.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 6.720 ms
Loss rate: 0.00%
```

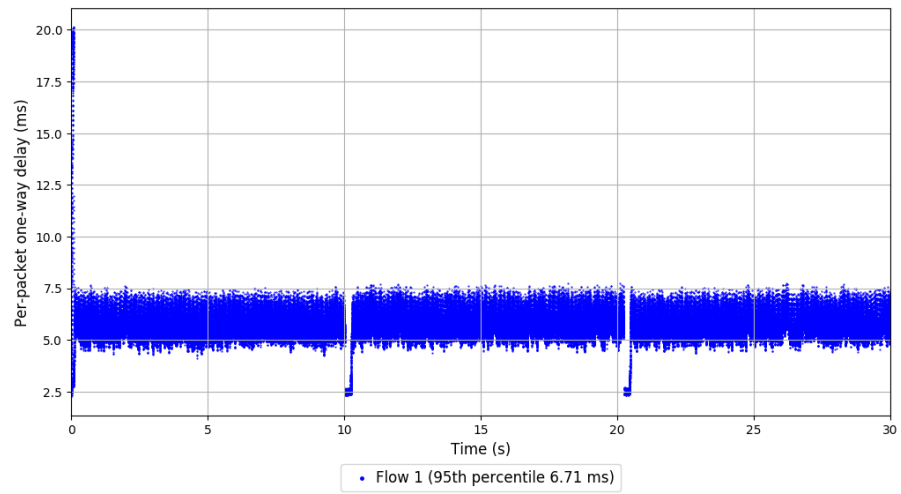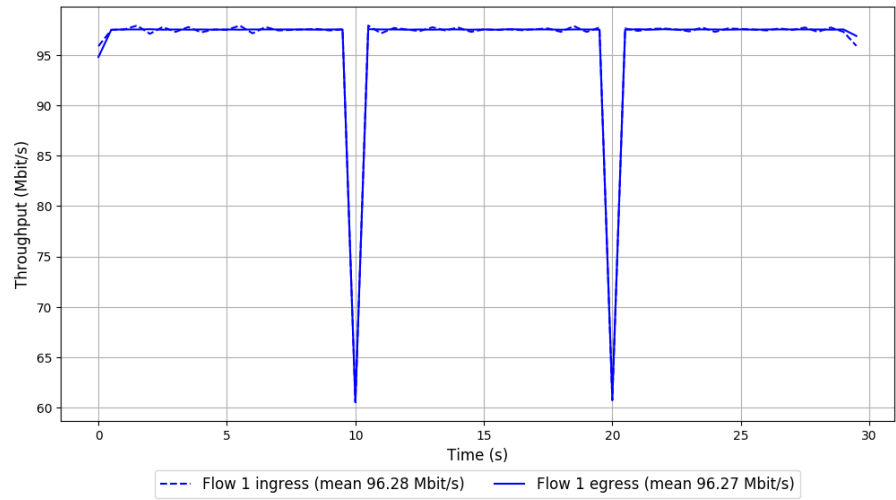Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2018-03-27 05:33:12
End at: 2018-03-27 05:33:42
Local clock offset: -6.781 ms
Remote clock offset: -6.842 ms


# Below is generated by plot.py at 2018-03-27 07:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 6.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 6.780 ms
Loss rate: 0.00%
```

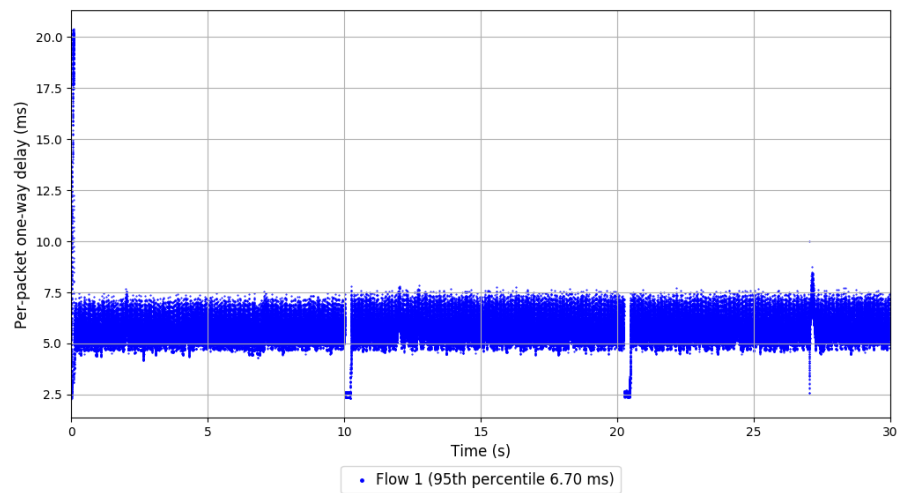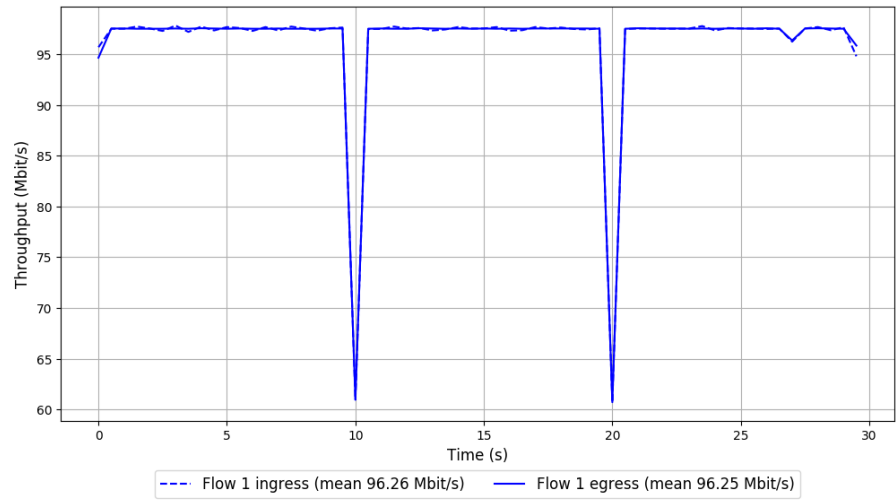Run 5: Report of TCP BBR — Data Link

```
Run 6: Statistics of TCP BBR

Start at: 2018-03-27 05:53:35
End at: 2018-03-27 05:54:05
Local clock offset: -6.712 ms
Remote clock offset: -6.483 ms

# Below is generated by plot.py at 2018-03-27 07:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.705 ms
Loss rate: 0.00%
```

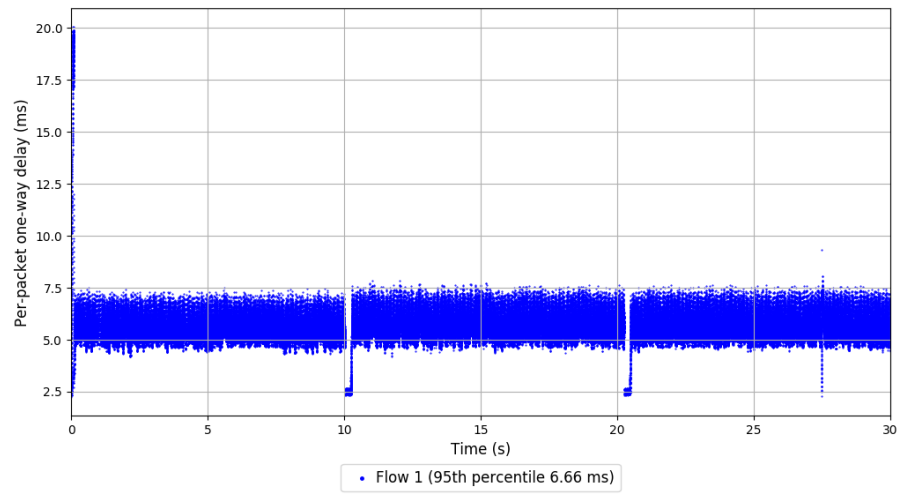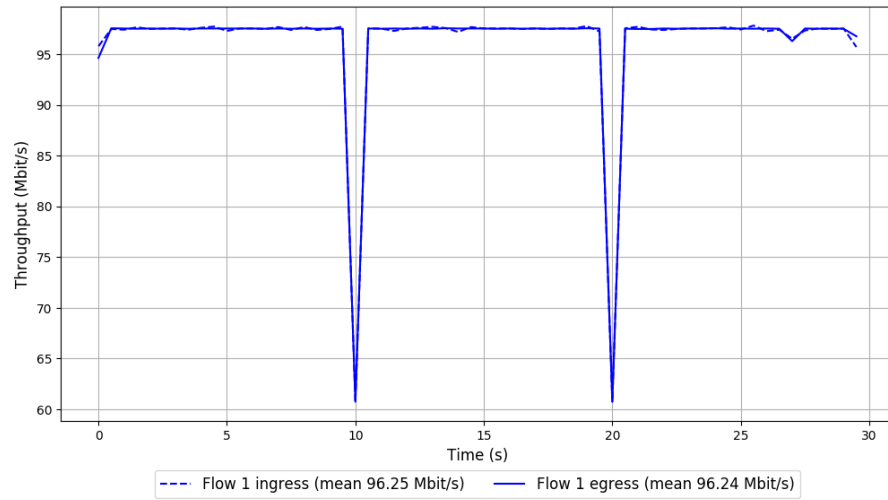Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.28 Mbit/s)   Flow 1 egress (mean 96.27 Mbit/s)

Flow 1 (95th percentile 6.71 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-03-27 06:13:57
End at: 2018-03-27 06:14:27
Local clock offset: -5.645 ms
Remote clock offset: -6.297 ms


# Below is generated by plot.py at 2018-03-27 07:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 6.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 6.703 ms
Loss rate: 0.00%
```

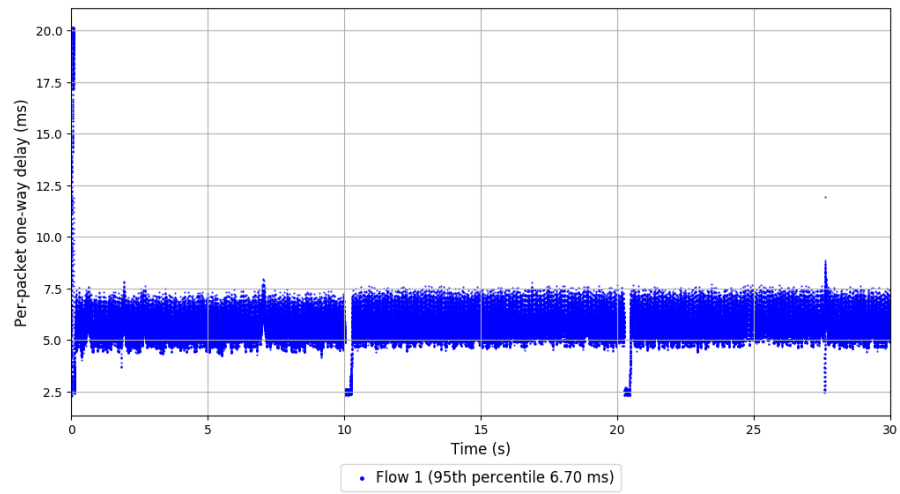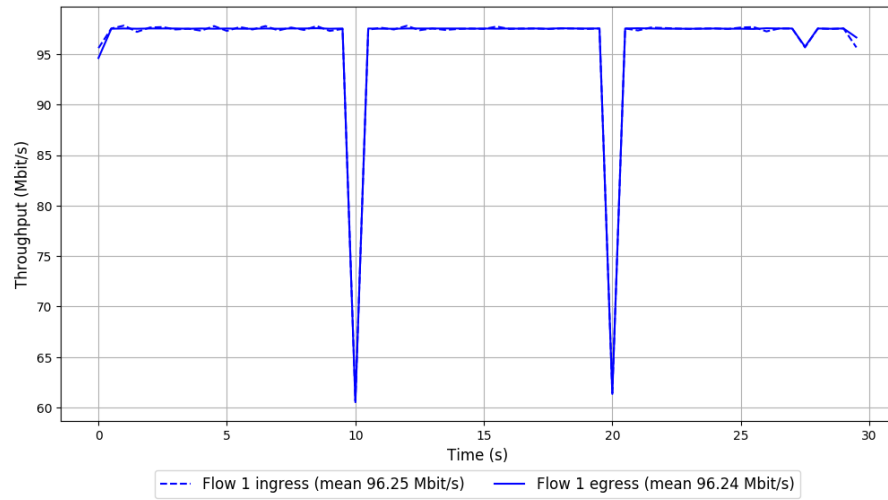# Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.26 Mbit/s)   Flow 1 egress (mean 96.25 Mbit/s)

Flow 1 (95th percentile 6.70 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2018-03-27 06:34:21
End at: 2018-03-27 06:34:51
Local clock offset: -5.621 ms
Remote clock offset: -6.171 ms


# Below is generated by plot.py at 2018-03-27 07:53:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.656 ms
Loss rate: 0.00%
```

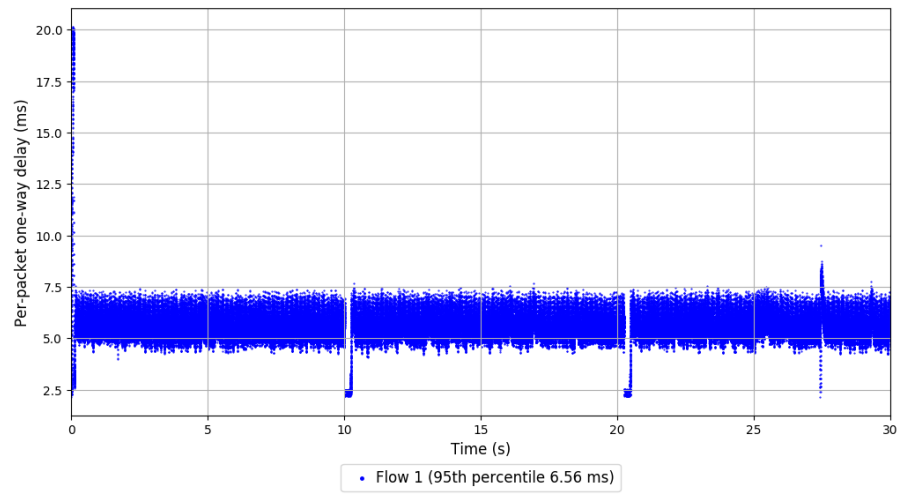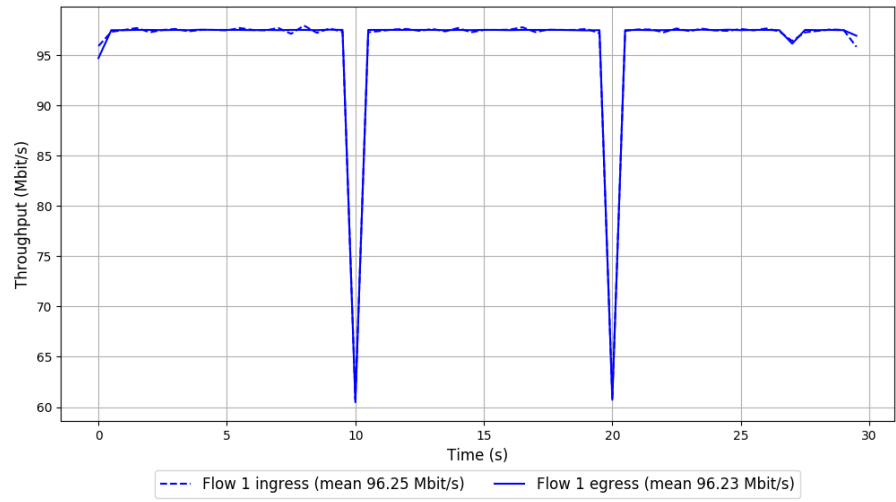Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.25 Mbit/s) ---- Flow 1 egress (mean 96.24 Mbit/s) ——

Flow 1 (95th percentile 6.66 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-03-27 06:54:45
End at: 2018-03-27 06:55:15
Local clock offset: -5.652 ms
Remote clock offset: -6.413 ms


# Below is generated by plot.py at 2018-03-27 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.701 ms
Loss rate: 0.00%
```

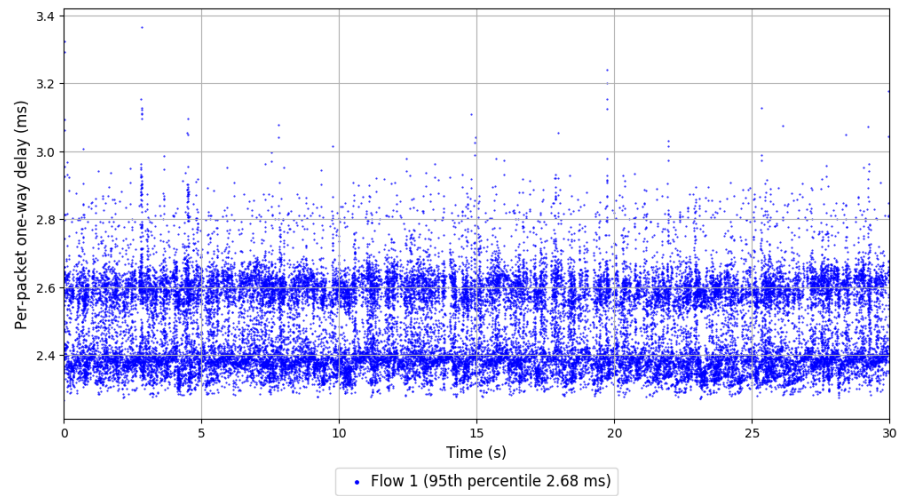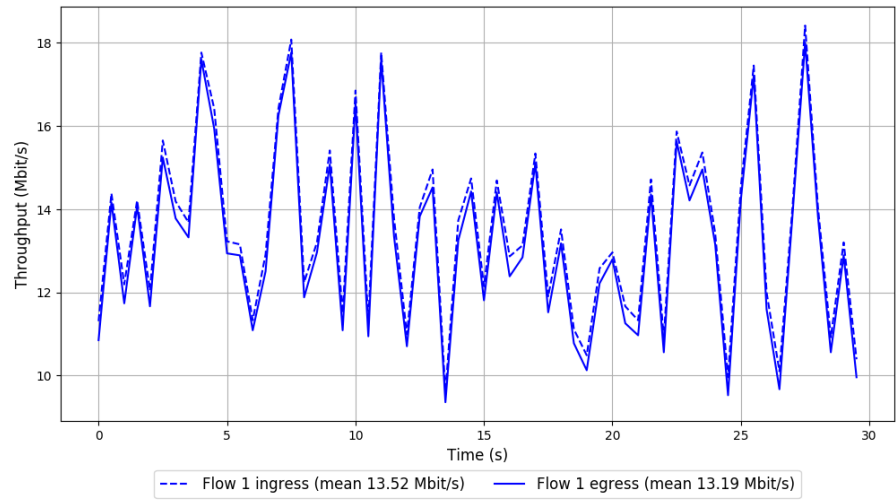Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.25 Mbit/s)   Flow 1 egress (mean 96.24 Mbit/s)

Flow 1 (95th percentile 6.70 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-03-27 07:15:09
End at: 2018-03-27 07:15:39
Local clock offset: -6.948 ms
Remote clock offset: -6.429 ms


# Below is generated by plot.py at 2018-03-27 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 6.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 6.564 ms
Loss rate: 0.00%
```

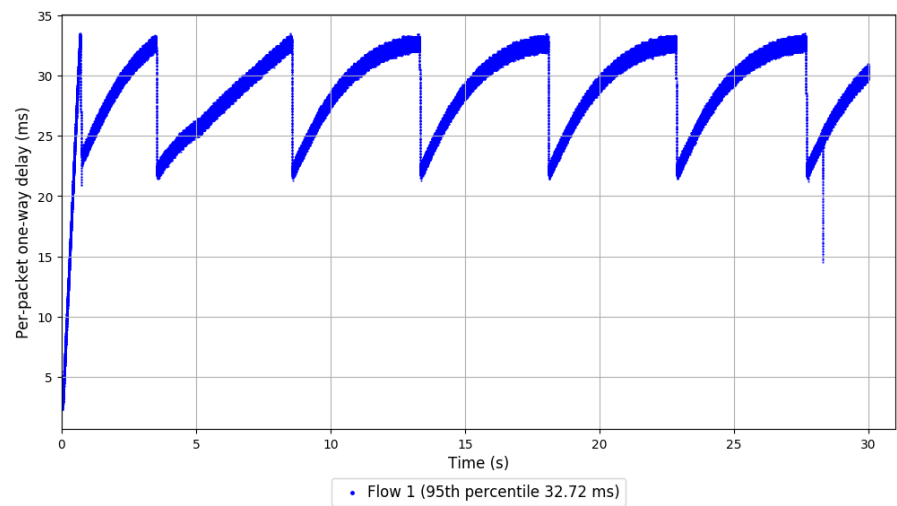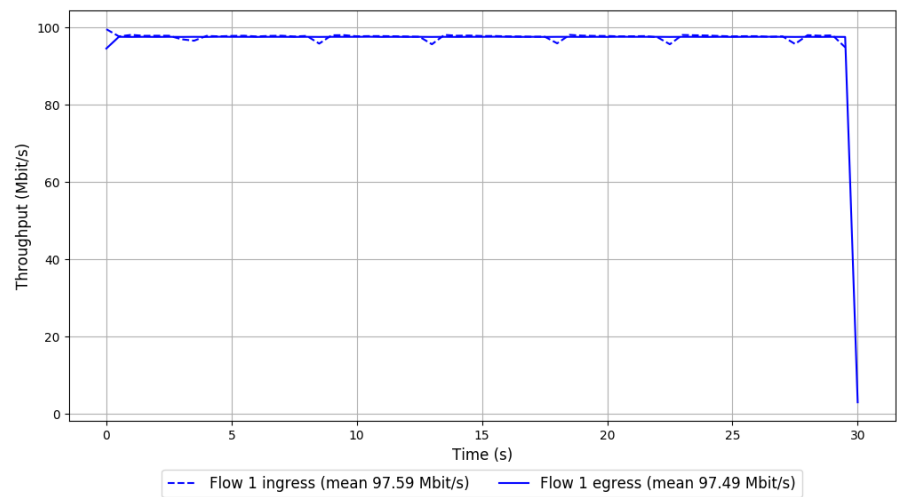Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2018-03-27 04:00:38
End at: 2018-03-27 04:01:08
Local clock offset: -6.818 ms
Remote clock offset: -7.927 ms


# Below is generated by plot.py at 2018-03-27 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 2.683 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 2.683 ms
Loss rate: 2.45%
```

Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-03-27 04:20:54
End at: 2018-03-27 04:21:24
Local clock offset: -6.071 ms
Remote clock offset: -8.219 ms


# Below is generated by plot.py at 2018-03-27 07:54:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.720 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.720 ms
Loss rate: 0.01%
```
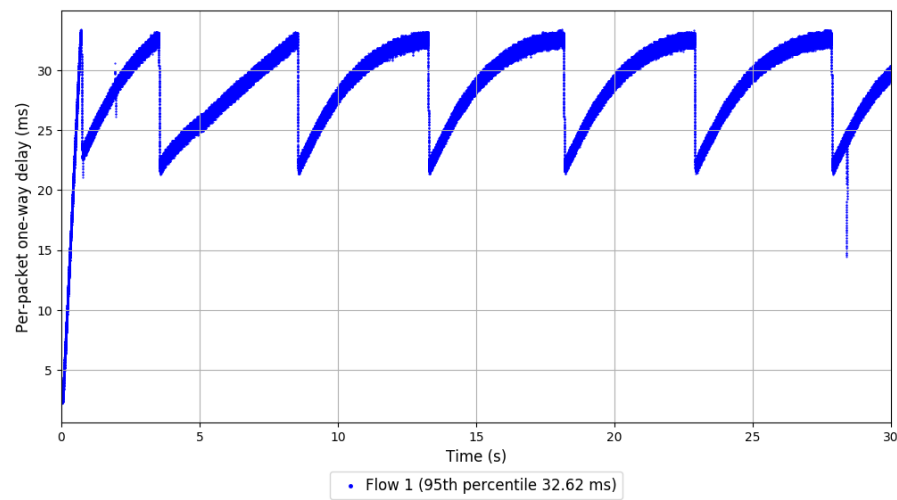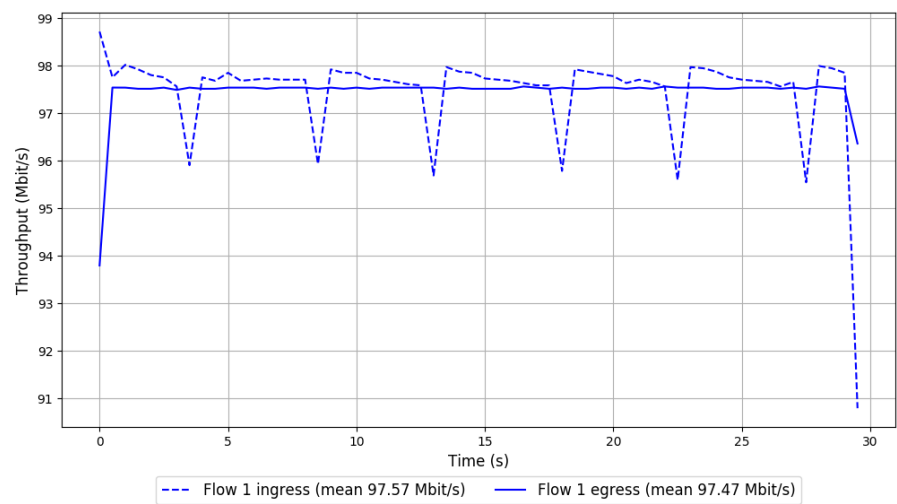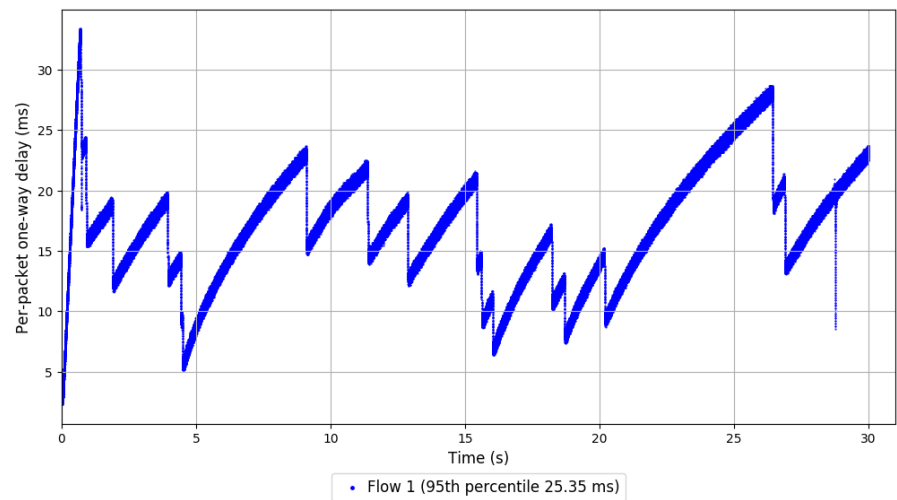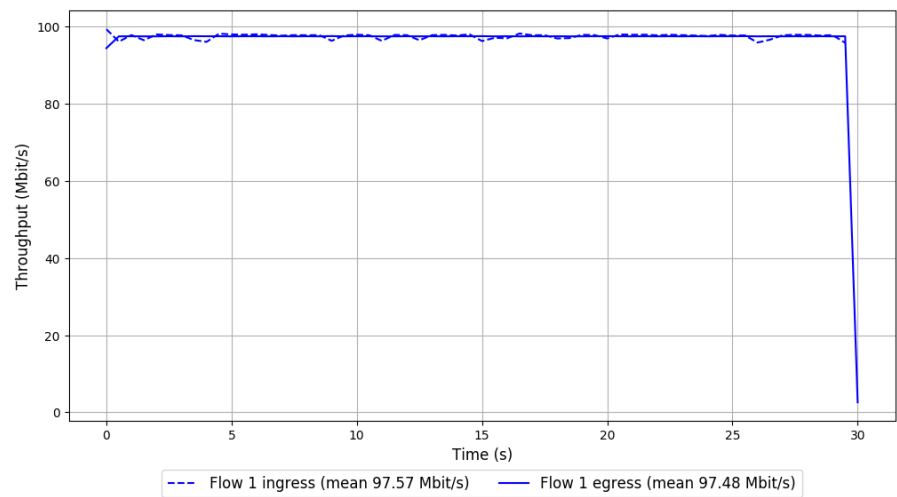
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.59 Mbit/s) ----   Flow 1 egress (mean 97.49 Mbit/s) ——

• Flow 1 (95th percentile 32.72 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2018-03-27 04:41:18
End at: 2018-03-27 04:41:48
Local clock offset: -5.605 ms
Remote clock offset: -6.78 ms


# Below is generated by plot.py at 2018-03-27 07:54:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.620 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.620 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2018-03-27 05:01:37
End at: 2018-03-27 05:02:07
Local clock offset: -6.73 ms
Remote clock offset: -6.725 ms


# Below is generated by plot.py at 2018-03-27 07:54:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 25.348 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 25.348 ms
Loss rate: 0.01%
```
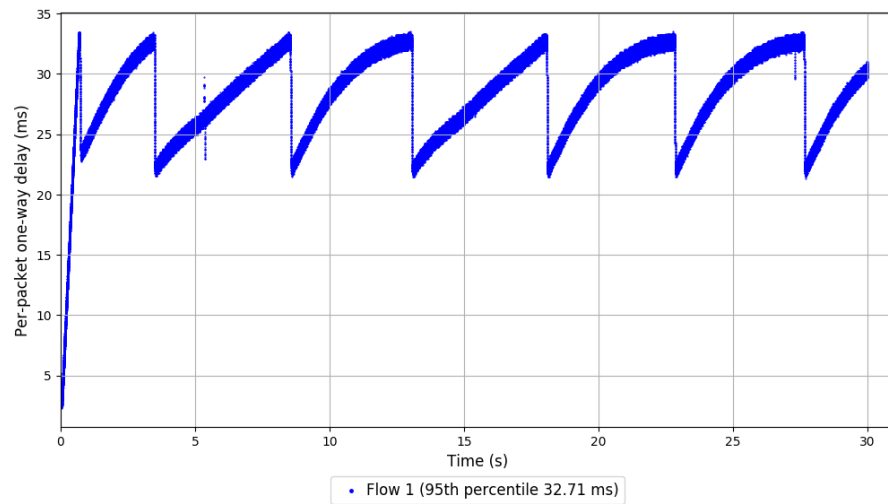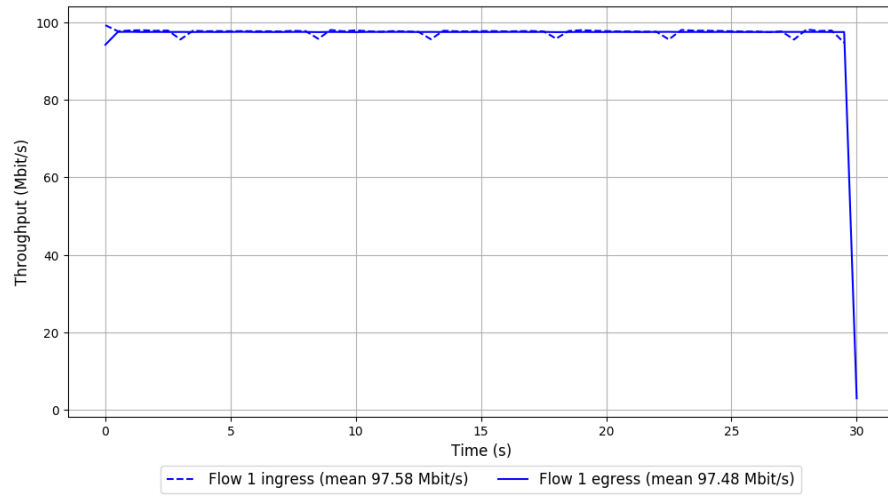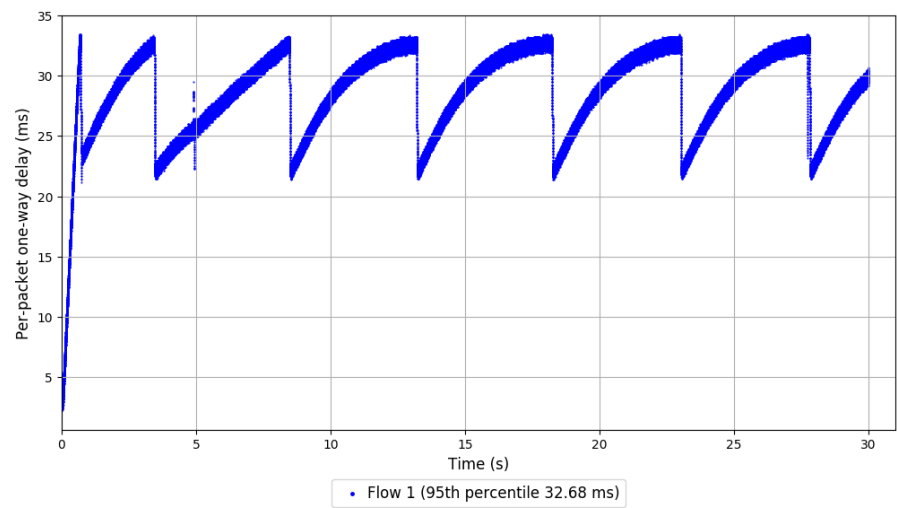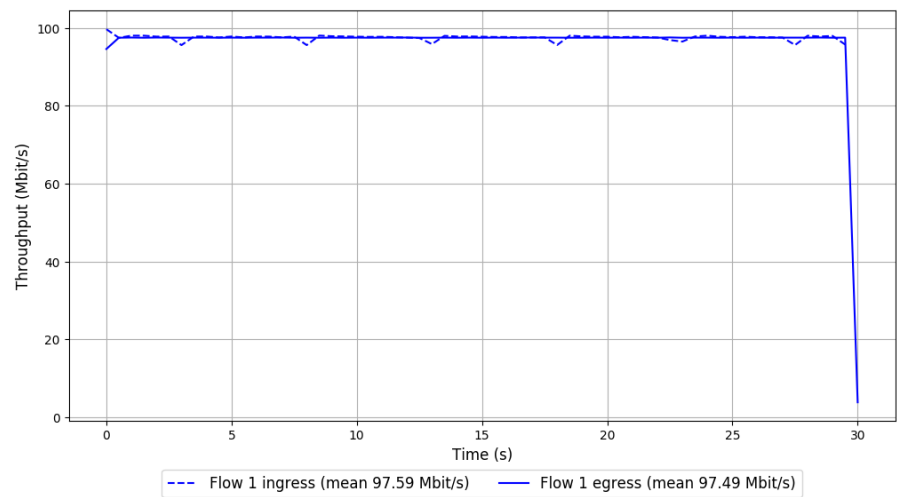
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.57 Mbit/s) — Flow 1 egress (mean 97.48 Mbit/s)

Flow 1 (95th percentile 25.35 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-03-27 05:21:58
End at: 2018-03-27 05:22:28
Local clock offset: -6.962 ms
Remote clock offset: -6.98 ms


# Below is generated by plot.py at 2018-03-27 07:54:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.708 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.708 ms
Loss rate: 0.01%
```
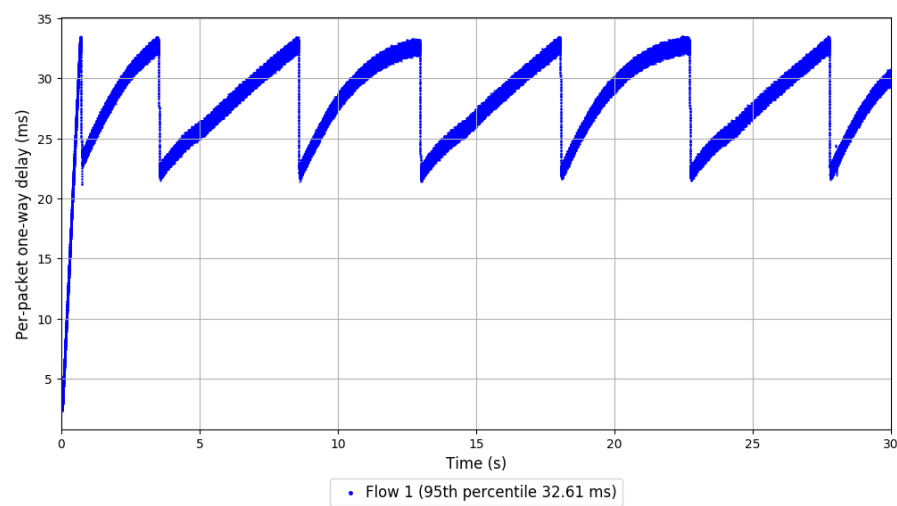
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.58 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

Flow 1 (95th percentile 32.71 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2018-03-27 05:42:22
End at: 2018-03-27 05:42:52
Local clock offset: -6.715 ms
Remote clock offset: -6.556 ms


# Below is generated by plot.py at 2018-03-27 07:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.678 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.678 ms
Loss rate: 0.01%
```
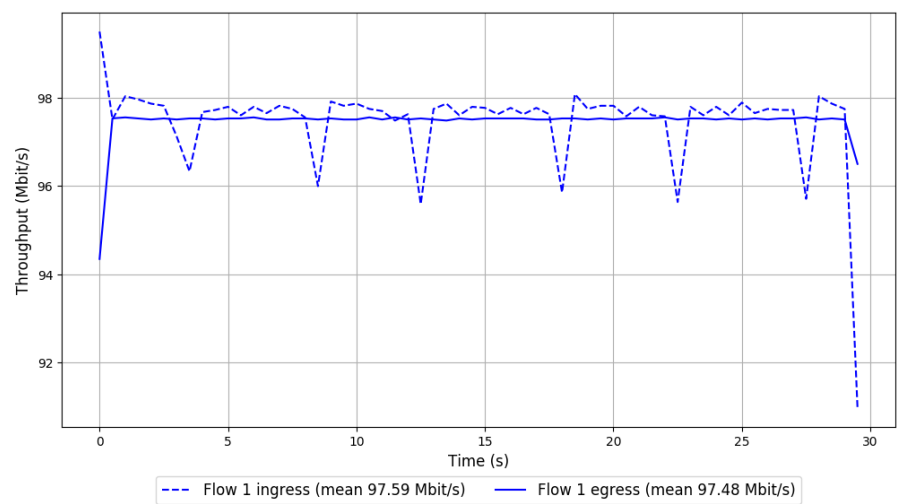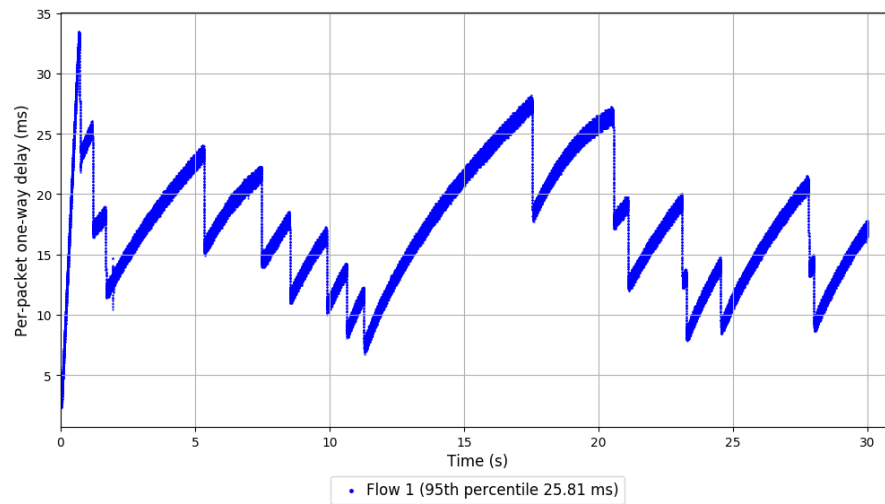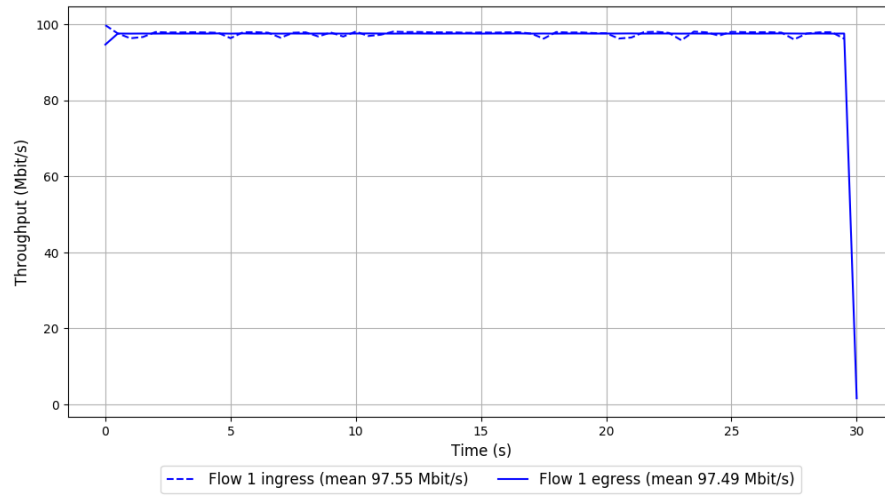
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.59 Mbit/s) ——— Flow 1 egress (mean 97.49 Mbit/s)

• Flow 1 (95th percentile 32.68 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-03-27 06:02:43
End at: 2018-03-27 06:03:13
Local clock offset: -6.001 ms
Remote clock offset: -6.31 ms


# Below is generated by plot.py at 2018-03-27 07:54:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.609 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.609 ms
Loss rate: 0.01%
```
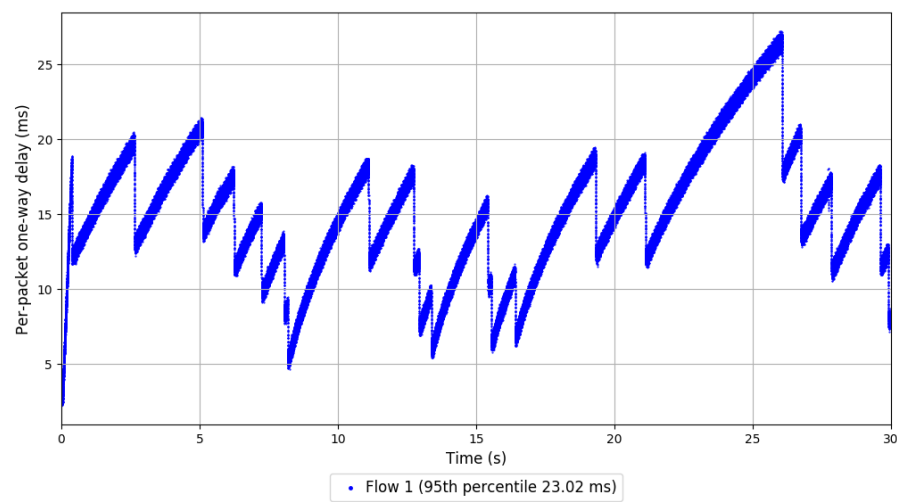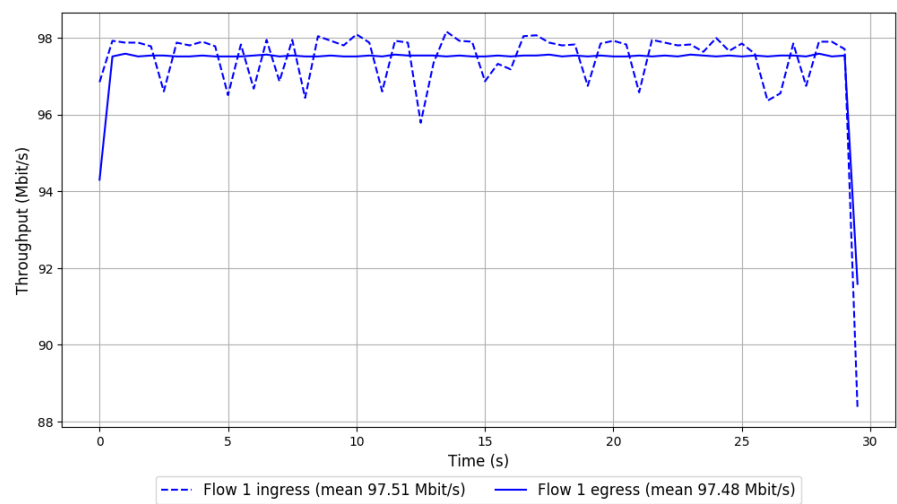
Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: 2018-03-27 06:23:07
End at: 2018-03-27 06:23:37
Local clock offset: -5.525 ms
Remote clock offset: -6.242 ms


# Below is generated by plot.py at 2018-03-27 07:55:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 25.813 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 25.813 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.55 Mbit/s) ----   Flow 1 egress (mean 97.49 Mbit/s) ——

• Flow 1 (95th percentile 25.81 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-03-27 06:43:31
End at: 2018-03-27 06:44:01
Local clock offset: -5.684 ms
Remote clock offset: -6.299 ms


# Below is generated by plot.py at 2018-03-27 07:55:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 23.019 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 23.019 ms
Loss rate: 0.01%
```
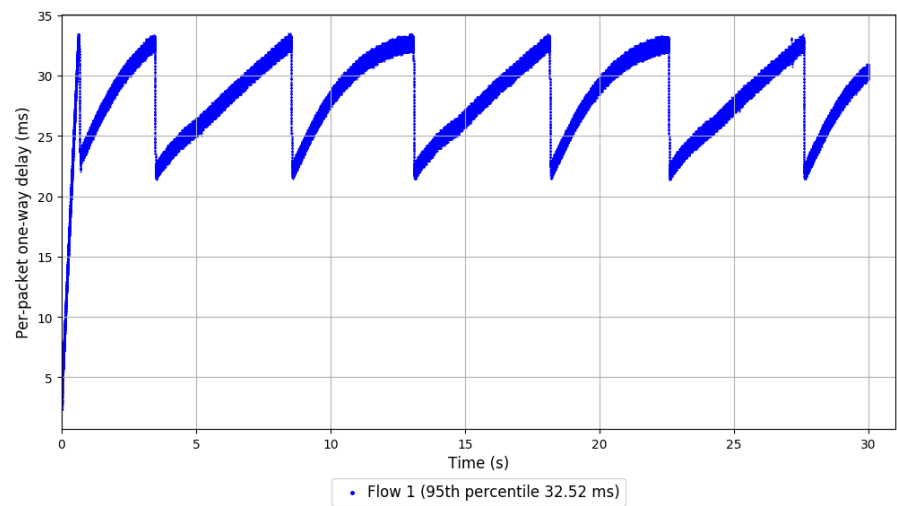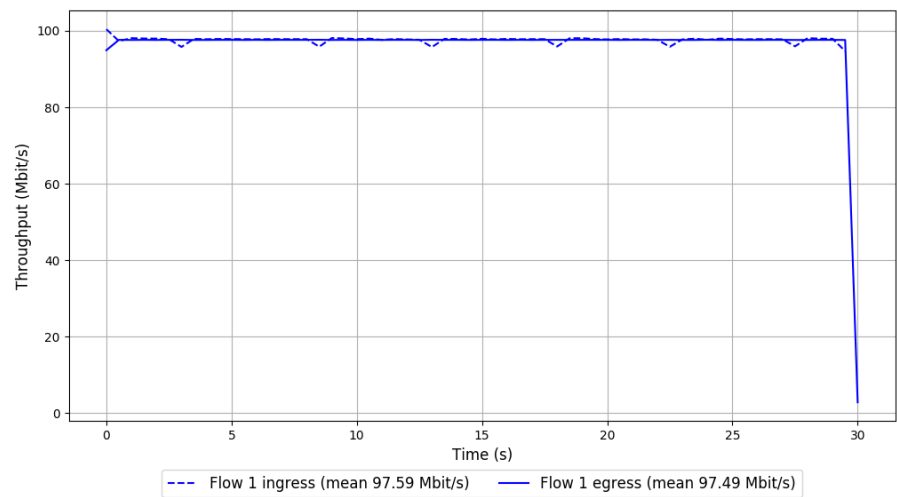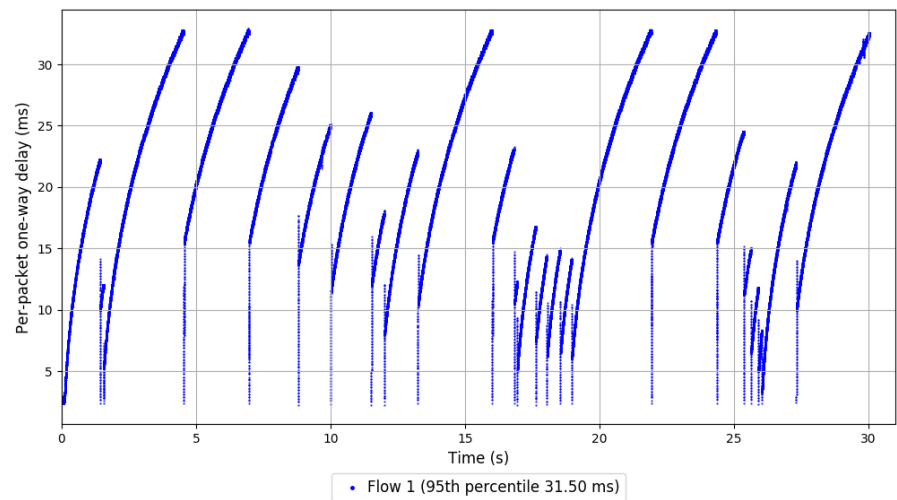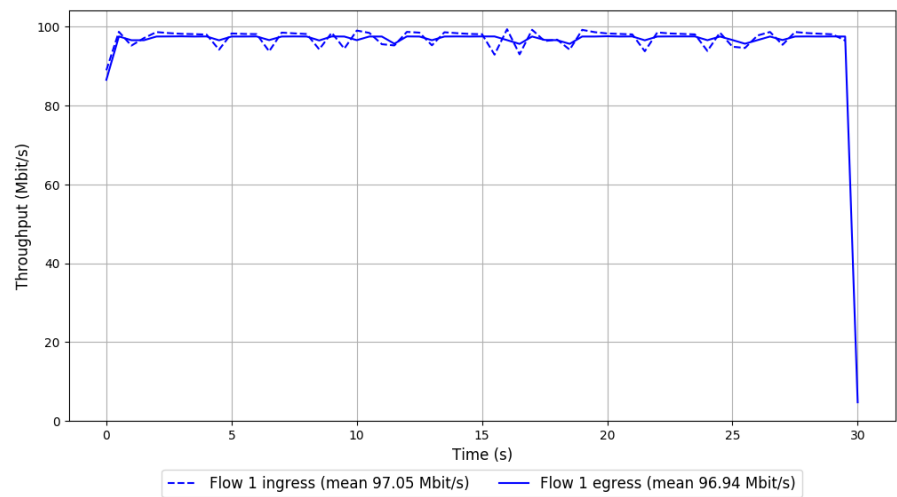
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.51 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

Flow 1 (95th percentile 23.02 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-03-27 07:03:54
End at: 2018-03-27 07:04:24
Local clock offset: -6.06 ms
Remote clock offset: -6.409 ms


# Below is generated by plot.py at 2018-03-27 07:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.521 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.521 ms
Loss rate: 0.01%
```
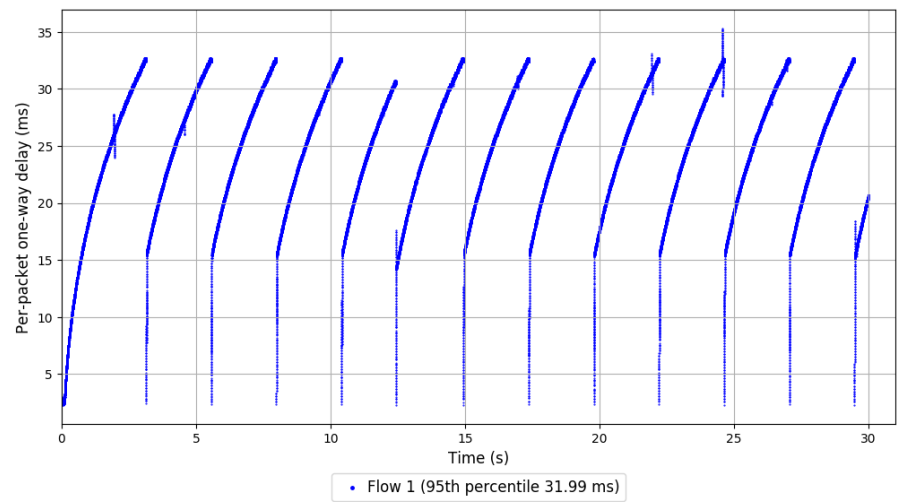
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.59 Mbit/s) ----   Flow 1 egress (mean 97.49 Mbit/s) ——

Flow 1 (95th percentile 32.52 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2018-03-27 04:15:04
End at: 2018-03-27 04:15:34
Local clock offset: -6.457 ms
Remote clock offset: -8.132 ms

# Below is generated by plot.py at 2018-03-27 07:56:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 31.500 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 31.500 ms
Loss rate: 0.01%
```
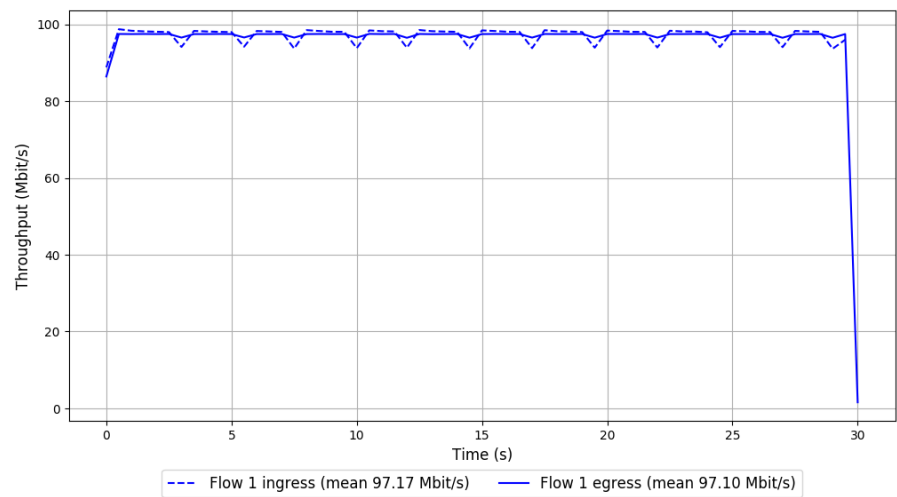
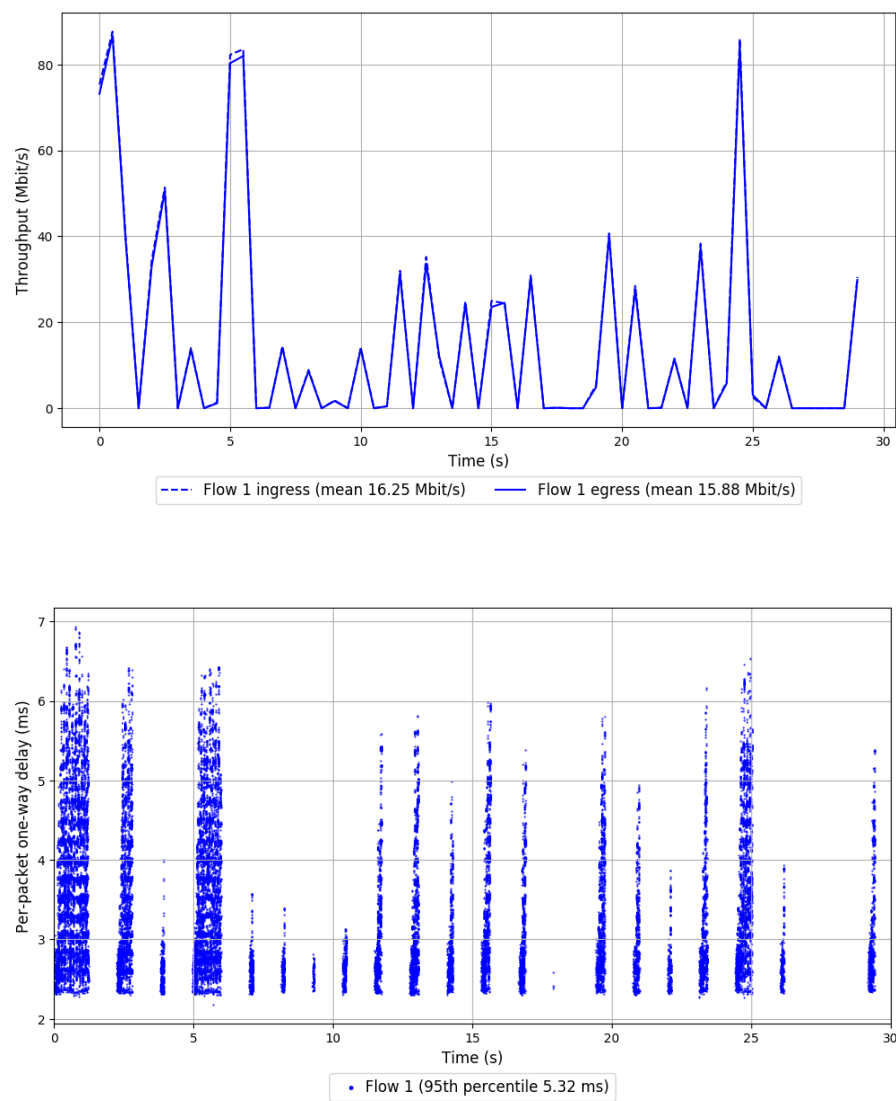Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.05 Mbit/s)   Flow 1 egress (mean 96.94 Mbit/s)
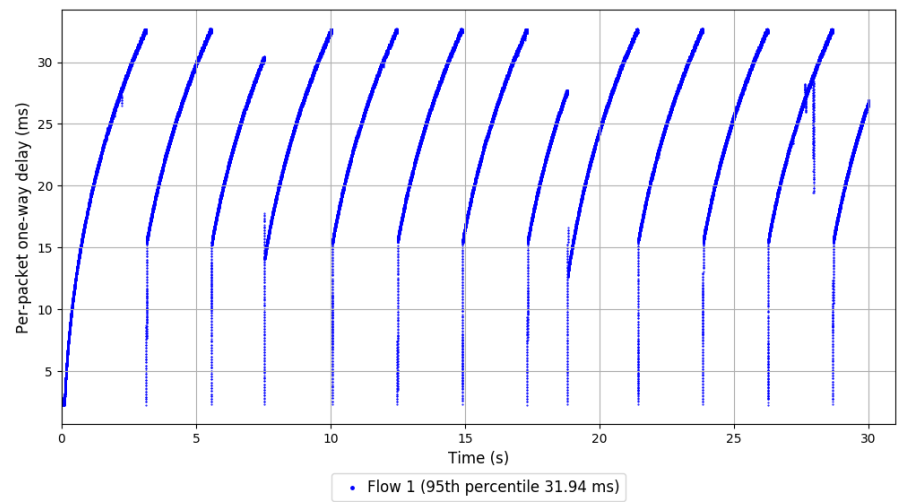

Flow 1 (95th percentile 31.50 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2018-03-27 04:35:27
End at: 2018-03-27 04:35:58
Local clock offset: -5.755 ms
Remote clock offset: -6.98 ms

# Below is generated by plot.py at 2018-03-27 07:56:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 31.993 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 31.993 ms
Loss rate: 0.01%
```

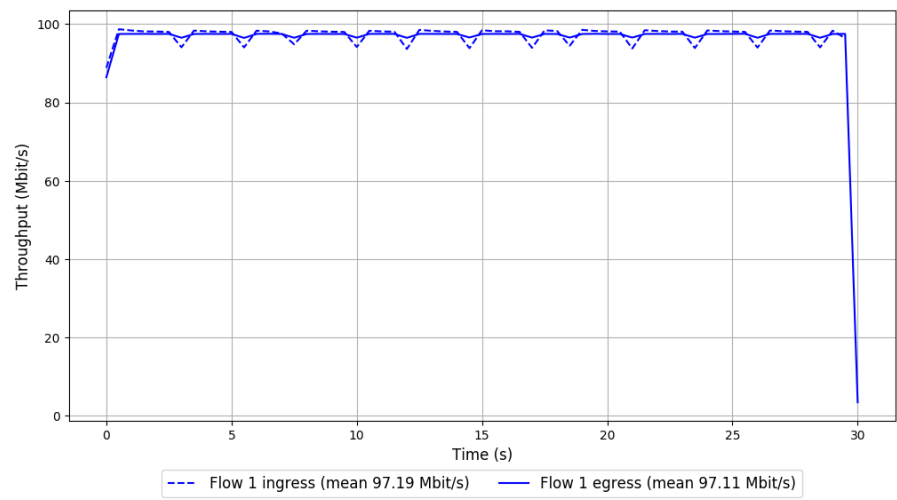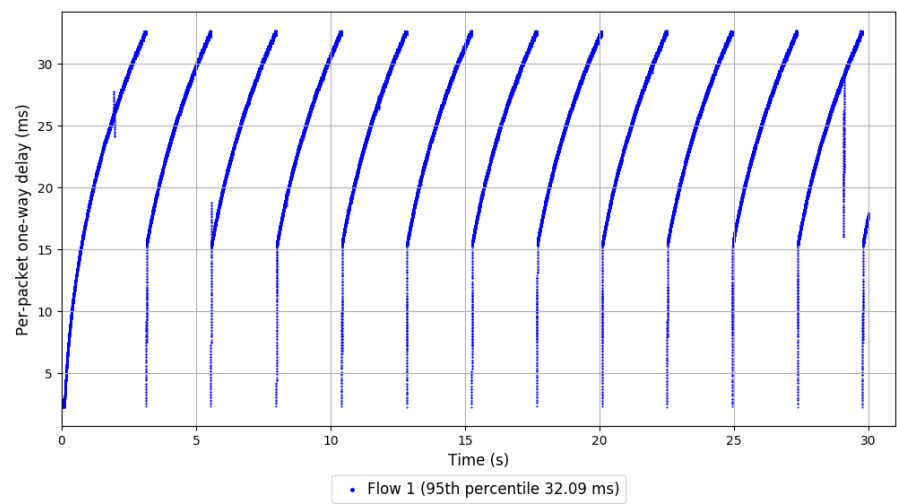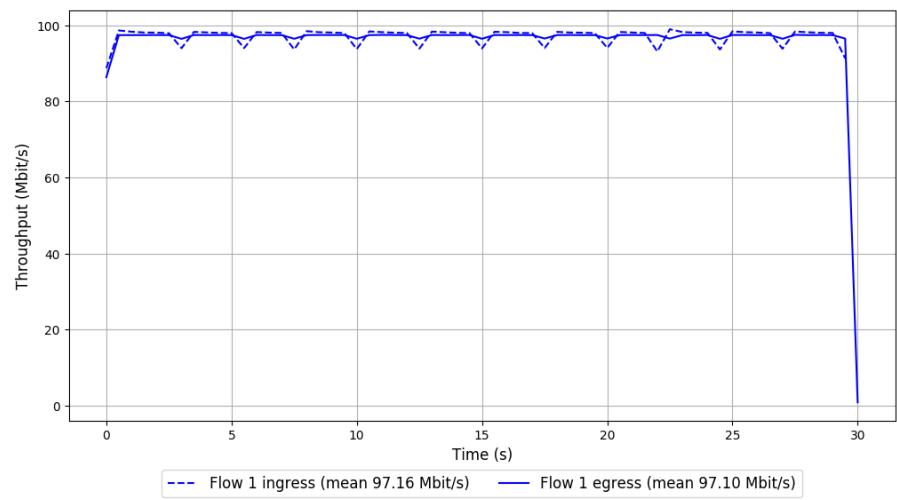Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.17 Mbit/s)   Flow 1 egress (mean 97.10 Mbit/s)

Flow 1 (95th percentile 31.99 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2018-03-27 04:55:51
End at: 2018-03-27 04:56:21
Local clock offset: -6.583 ms
Remote clock offset: -6.471 ms

# Below is generated by plot.py at 2018-03-27 07:56:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 5.322 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 5.322 ms
Loss rate: 2.24%
```
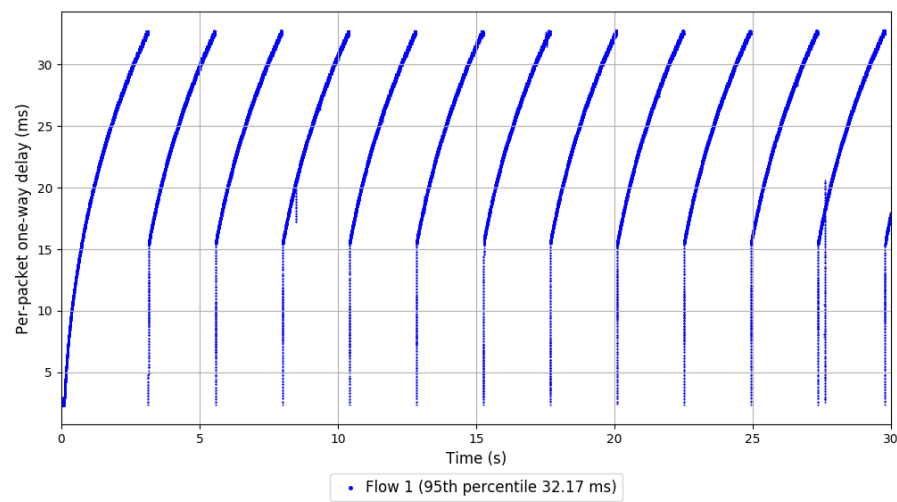
Run 3: Report of LEDBAT — Data Link

```
Run 4: Statistics of LEDBAT

Start at: 2018-03-27 05:16:08
End at: 2018-03-27 05:16:38
Local clock offset: -6.999 ms
Remote clock offset: -6.961 ms


# Below is generated by plot.py at 2018-03-27 07:56:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 31.942 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 31.942 ms
Loss rate: 0.01%
```

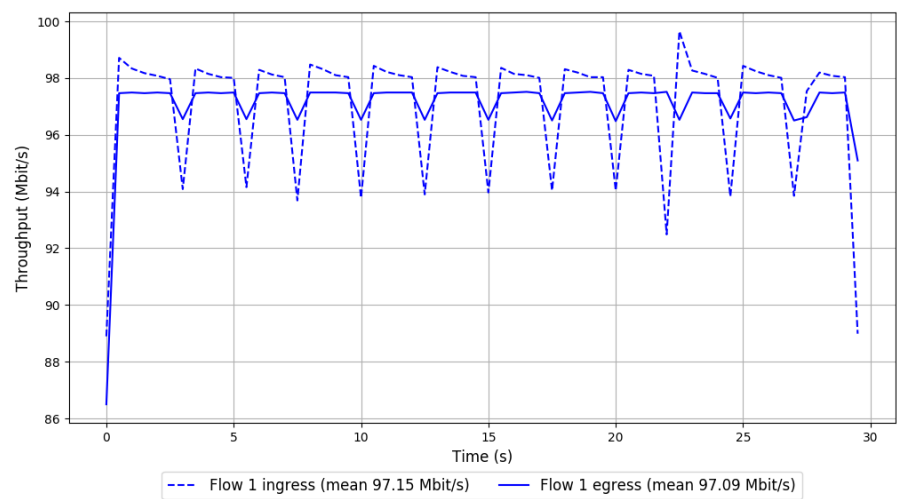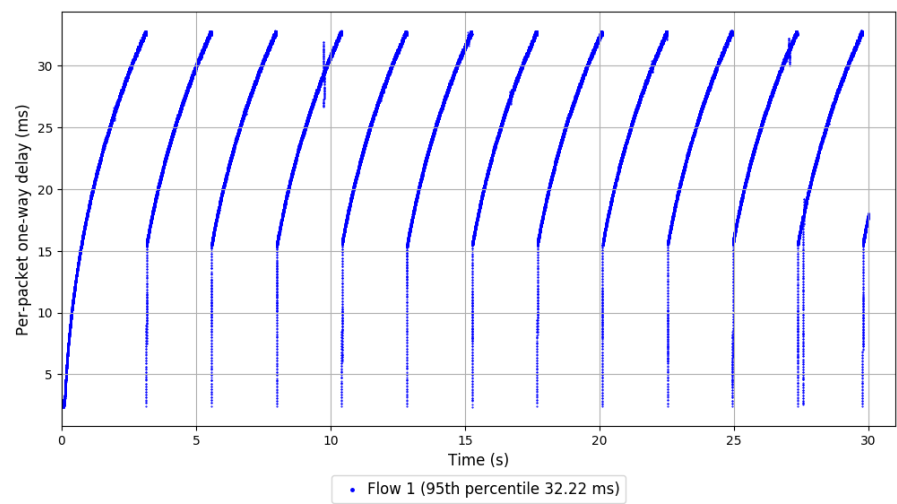## Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.19 Mbit/s)   Flow 1 egress (mean 97.11 Mbit/s)

Flow 1 (95th percentile 31.94 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2018-03-27 05:36:32
End at: 2018-03-27 05:37:02
Local clock offset: -6.756 ms
Remote clock offset: -6.786 ms


# Below is generated by plot.py at 2018-03-27 07:56:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.089 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.089 ms
Loss rate: 0.01%
```

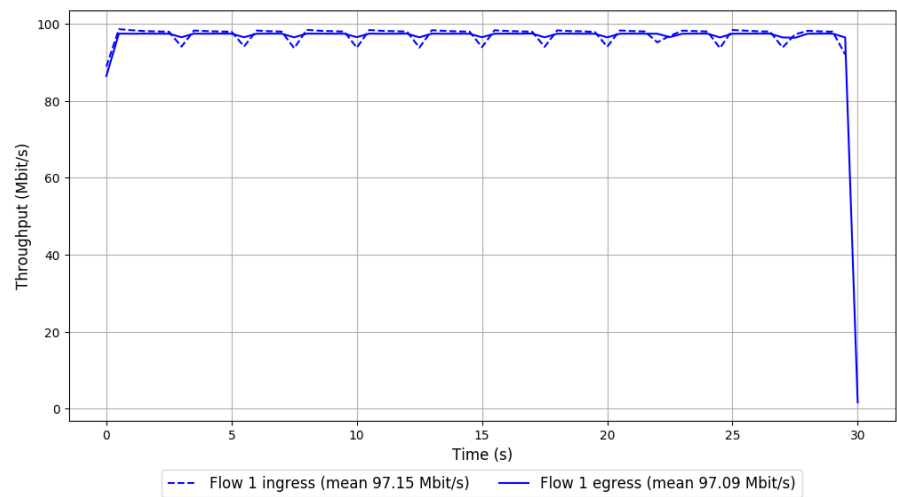# Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.16 Mbit/s)   Flow 1 egress (mean 97.10 Mbit/s)

Flow 1 (95th percentile 32.09 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-03-27 05:56:52
End at: 2018-03-27 05:57:22
Local clock offset: -6.393 ms
Remote clock offset: -6.439 ms


# Below is generated by plot.py at 2018-03-27 07:56:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.172 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.172 ms
Loss rate: 0.01%
```
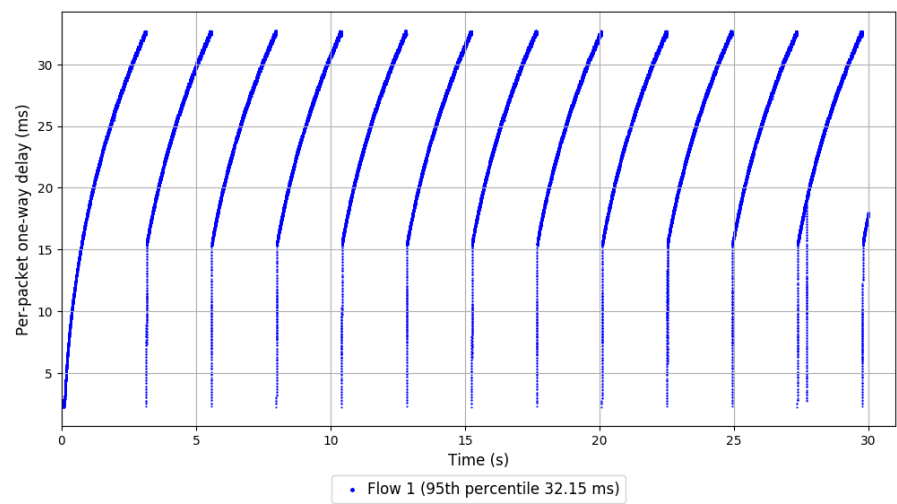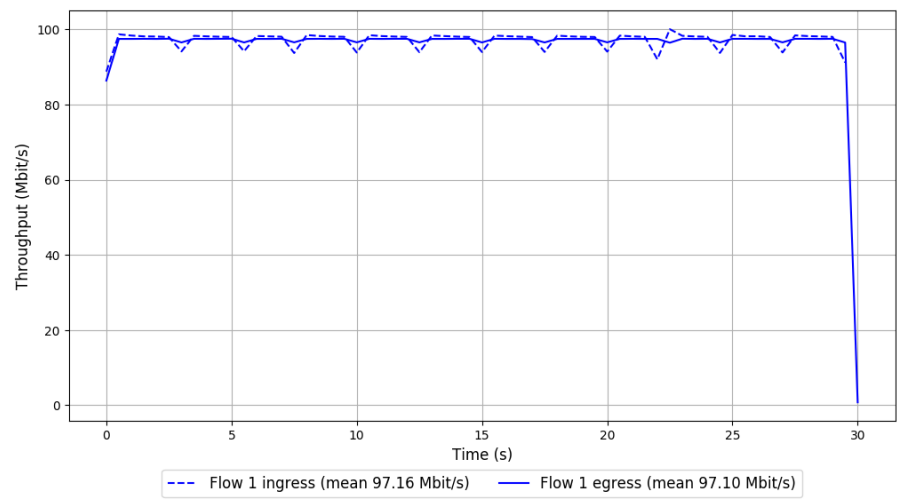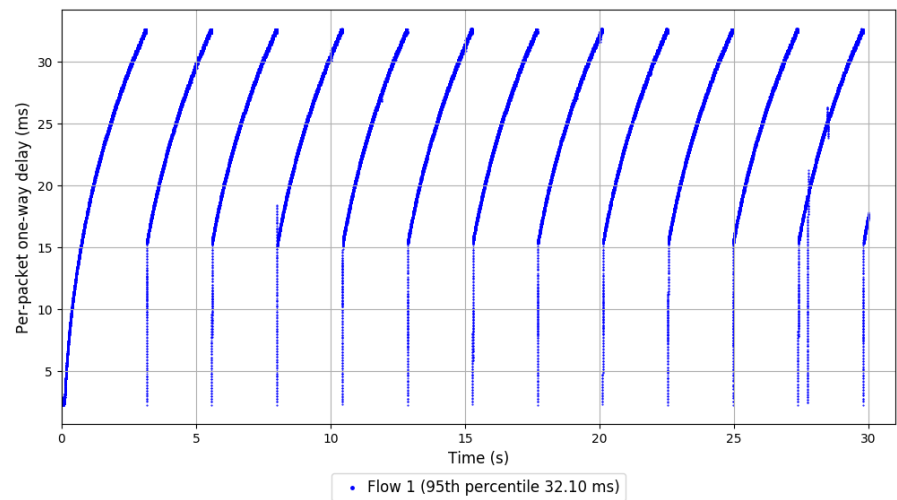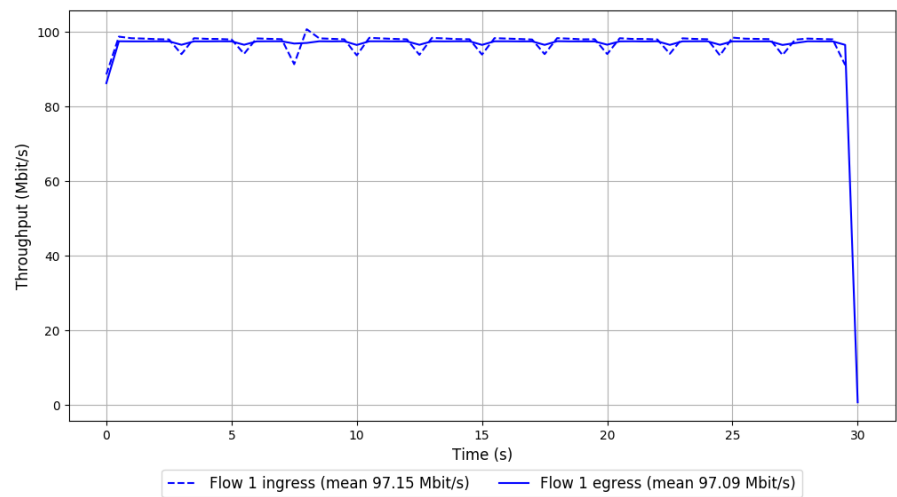
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.15 Mbit/s) --- Flow 1 egress (mean 97.09 Mbit/s)

Flow 1 (95th percentile 32.17 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-03-27 06:17:17
End at: 2018-03-27 06:17:47
Local clock offset: -5.637 ms
Remote clock offset: -6.266 ms


# Below is generated by plot.py at 2018-03-27 07:57:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.221 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.221 ms
Loss rate: 0.01%
```

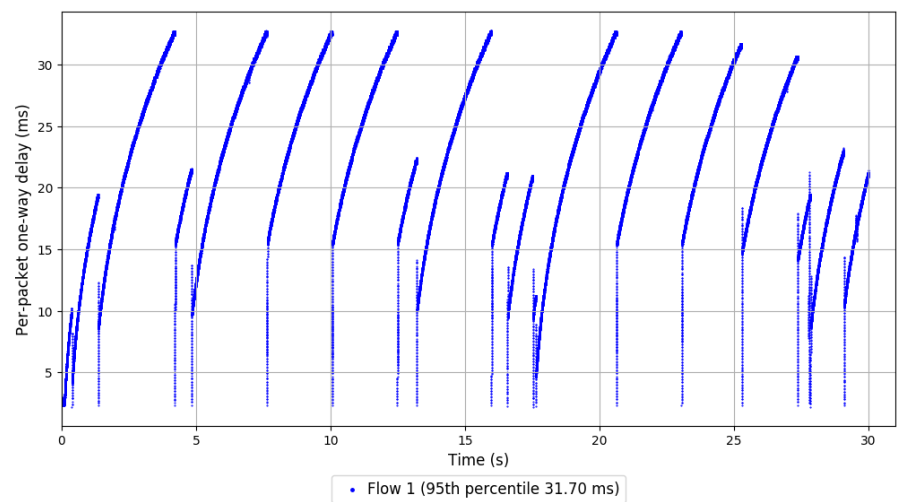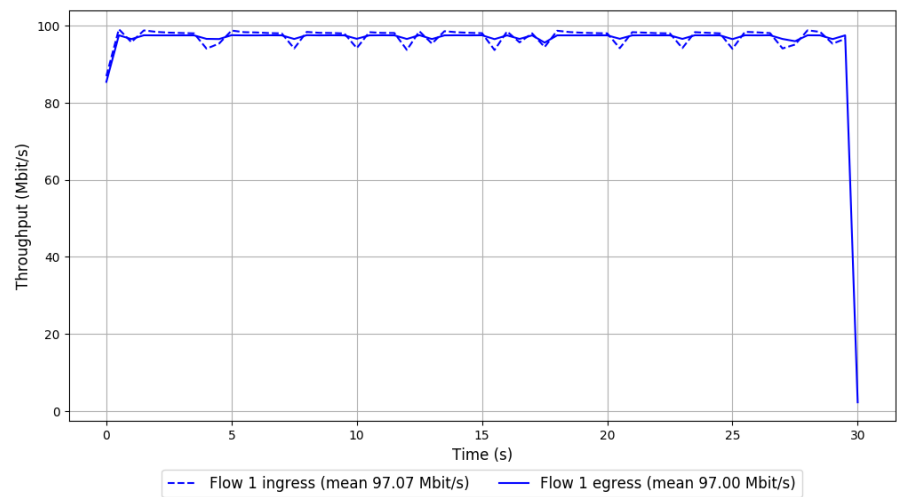# Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.15 Mbit/s)　　Flow 1 egress (mean 97.09 Mbit/s)

Flow 1 (95th percentile 32.22 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-03-27 06:37:41
End at: 2018-03-27 06:38:11
Local clock offset: -5.66 ms
Remote clock offset: -6.16 ms


# Below is generated by plot.py at 2018-03-27 07:57:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.150 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.150 ms
Loss rate: 0.01%
```

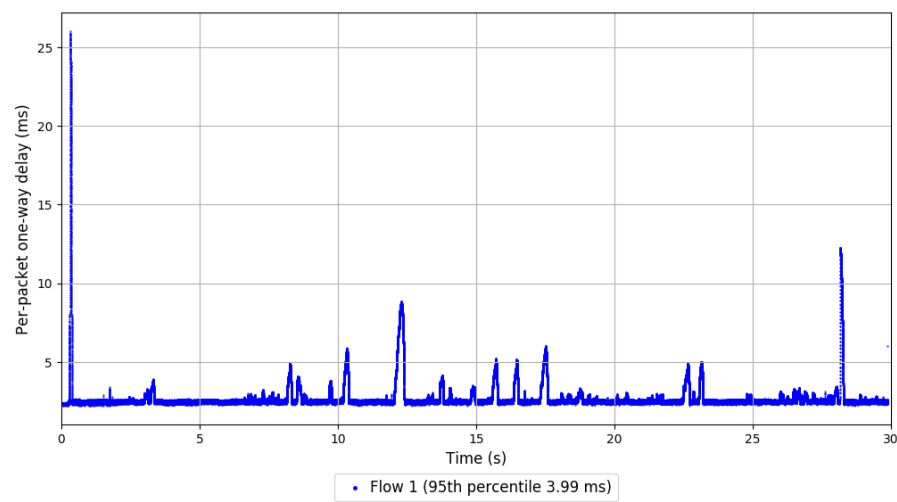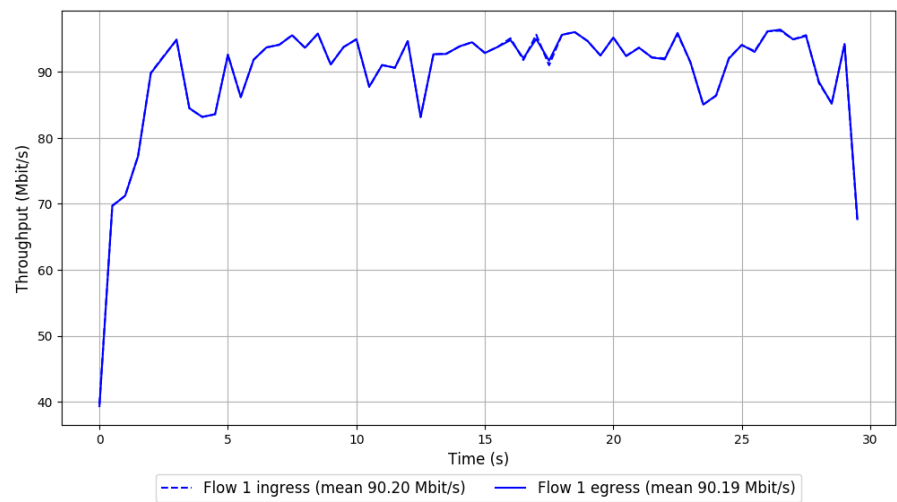# Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.16 Mbit/s)   Flow 1 egress (mean 97.10 Mbit/s)

Flow 1 (95th percentile 32.15 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-03-27 06:58:04
End at: 2018-03-27 06:58:34
Local clock offset: -5.647 ms
Remote clock offset: -6.489 ms


# Below is generated by plot.py at 2018-03-27 07:57:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.103 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.103 ms
Loss rate: 0.01%
```
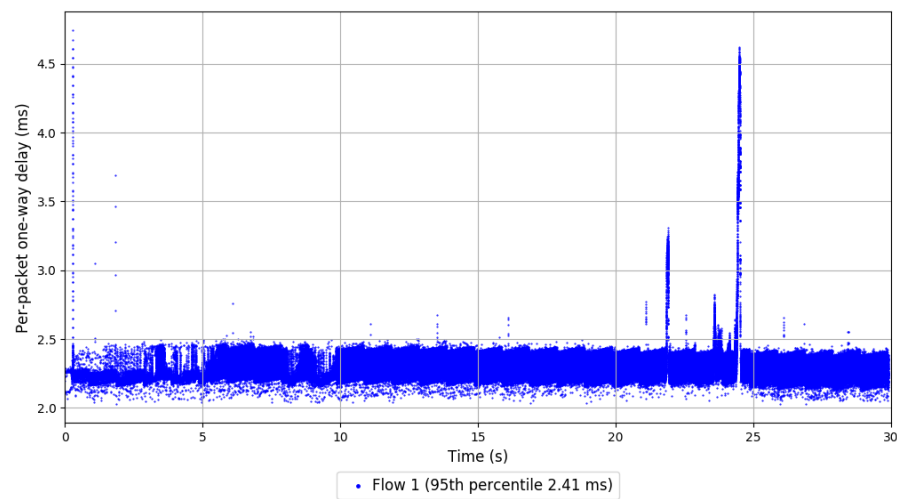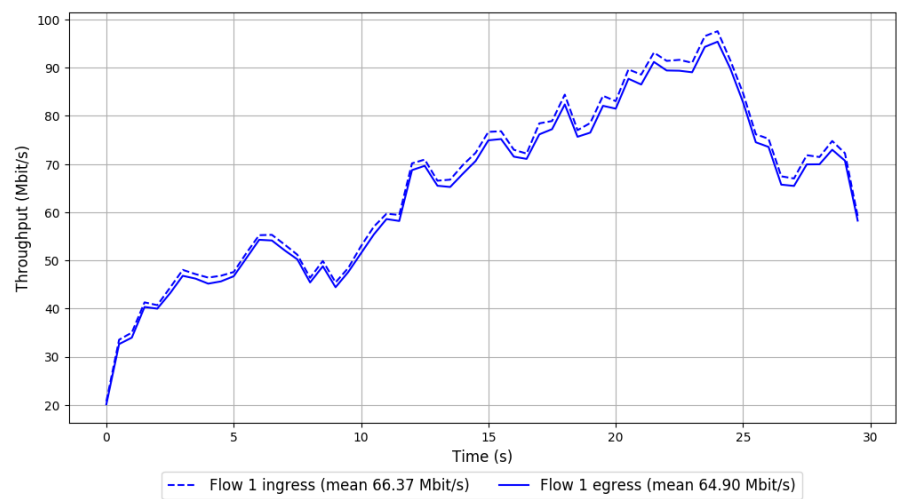
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.15 Mbit/s)   Flow 1 egress (mean 97.09 Mbit/s)

• Flow 1 (95th percentile 32.10 ms)

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```
Run 10: Statistics of LEDBAT

Start at: 2018-03-27 07:18:28
End at: 2018-03-27 07:18:58
Local clock offset: -7.131 ms
Remote clock offset: -6.283 ms


# Below is generated by plot.py at 2018-03-27 07:57:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 31.699 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 31.699 ms
Loss rate: 0.01%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.07 Mbit/s)   Flow 1 egress (mean 97.00 Mbit/s)

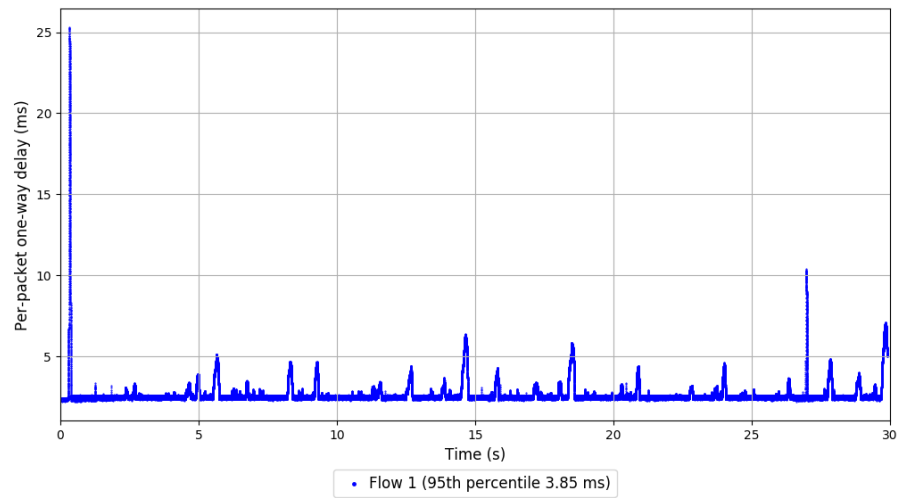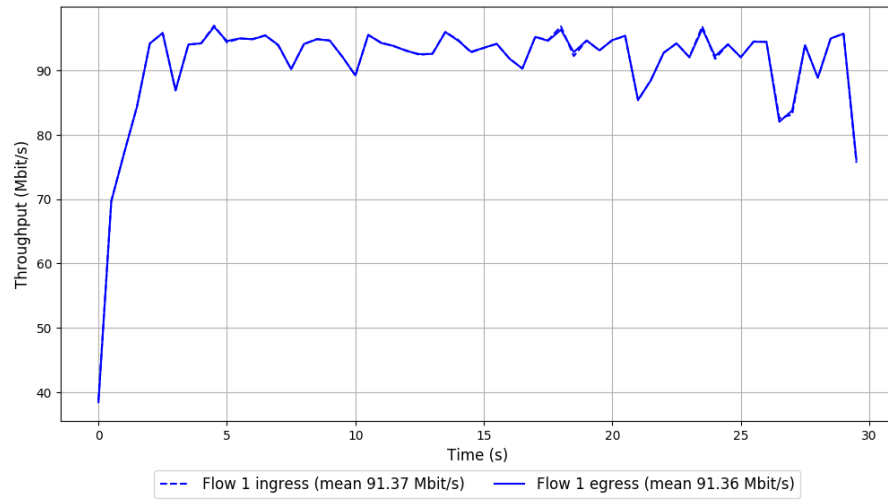• Flow 1 (95th percentile 31.70 ms)

```
Run 1: Statistics of PCC

Start at: 2018-03-27 04:01:42
End at: 2018-03-27 04:02:12
Local clock offset: -6.819 ms
Remote clock offset: -7.923 ms


# Below is generated by plot.py at 2018-03-27 07:57:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.19 Mbit/s
95th percentile per-packet one-way delay: 3.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.19 Mbit/s
95th percentile per-packet one-way delay: 3.989 ms
Loss rate: 0.00%
```
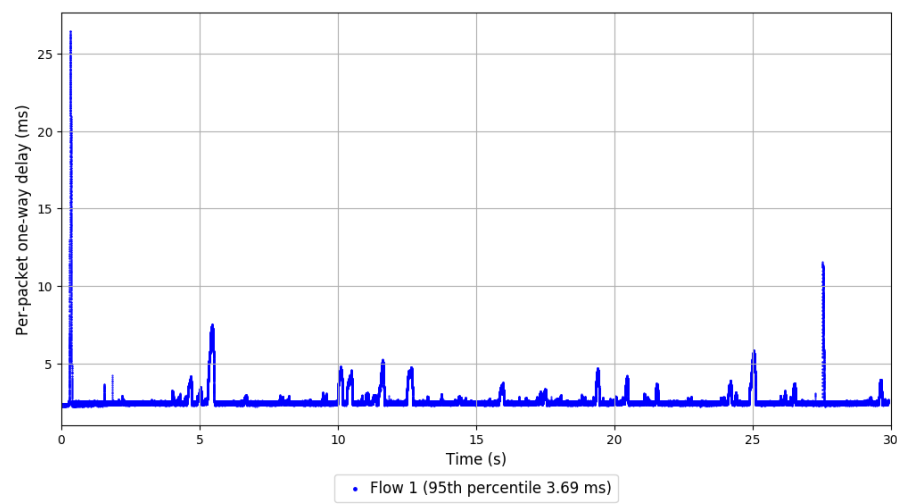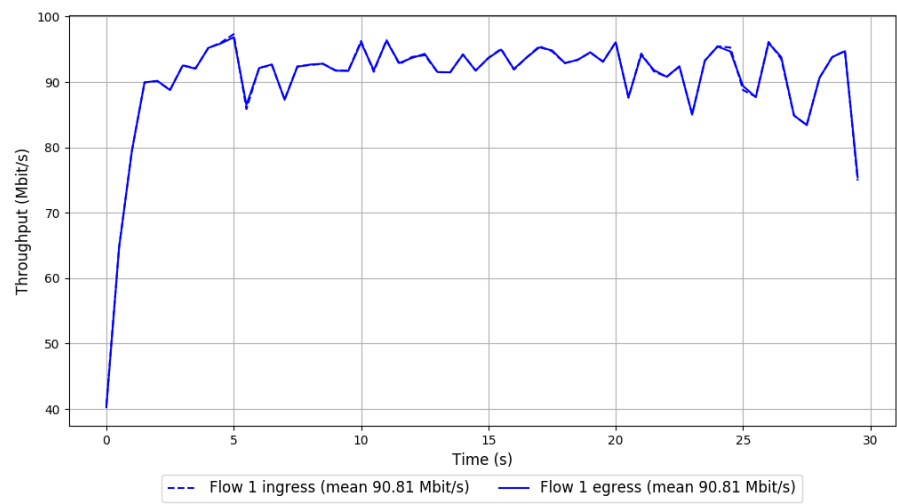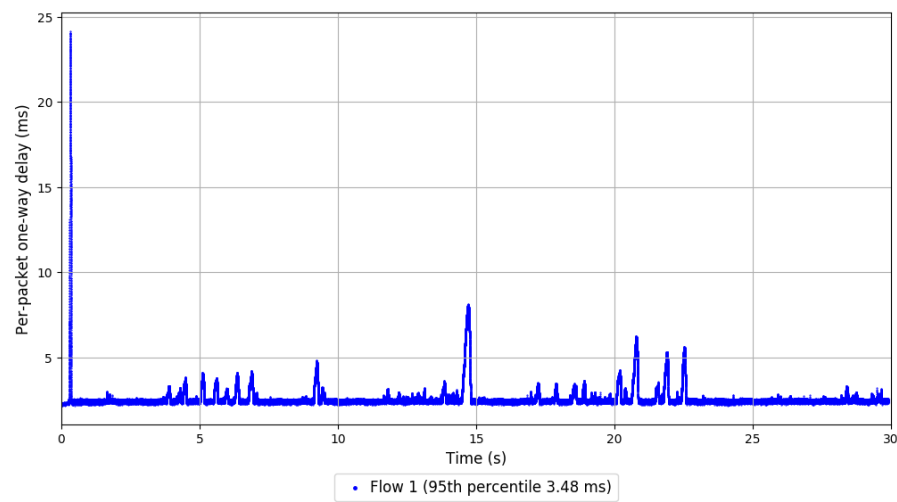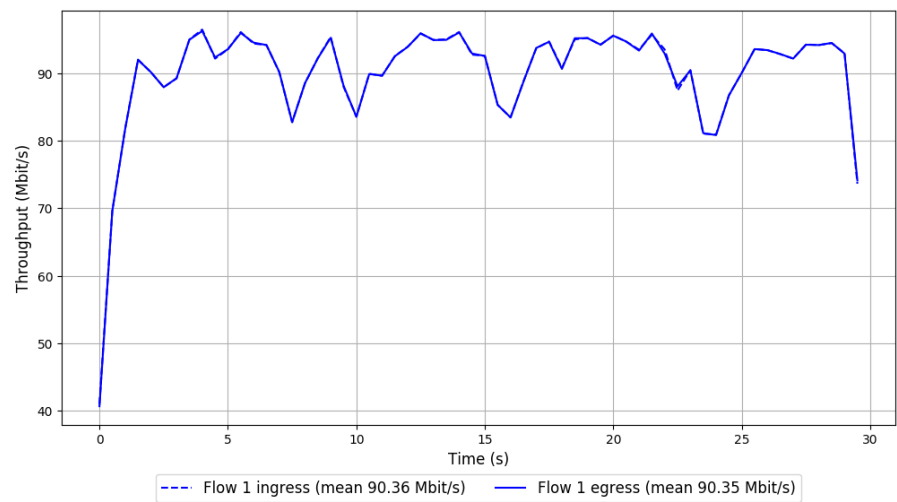
Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2018-03-27 04:22:02
End at: 2018-03-27 04:22:32
Local clock offset: -6.019 ms
Remote clock offset: -8.266 ms

# Below is generated by plot.py at 2018-03-27 07:57:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 2.21%
```

Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 66.37 Mbit/s)   Flow 1 egress (mean 64.90 Mbit/s)

• Flow 1 (95th percentile 2.41 ms)

```
Run 3: Statistics of PCC

Start at: 2018-03-27 04:42:25
End at: 2018-03-27 04:42:55
Local clock offset: -5.664 ms
Remote clock offset: -6.747 ms


# Below is generated by plot.py at 2018-03-27 07:57:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 3.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 3.851 ms
Loss rate: 0.00%
```
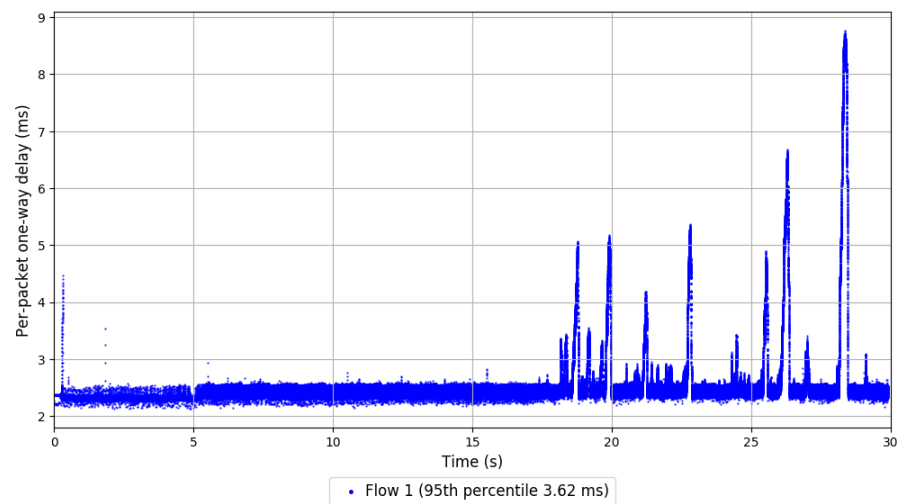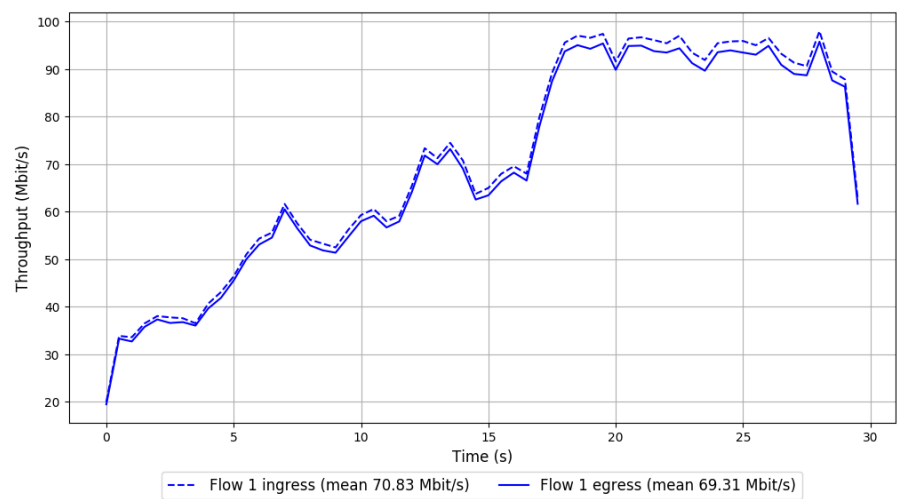
Run 3: Report of PCC — Data Link

```
Run 4: Statistics of PCC

Start at: 2018-03-27 05:02:45
End at: 2018-03-27 05:03:15
Local clock offset: -6.767 ms
Remote clock offset: -6.75 ms


# Below is generated by plot.py at 2018-03-27 07:57:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 3.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 3.685 ms
Loss rate: 0.00%
```
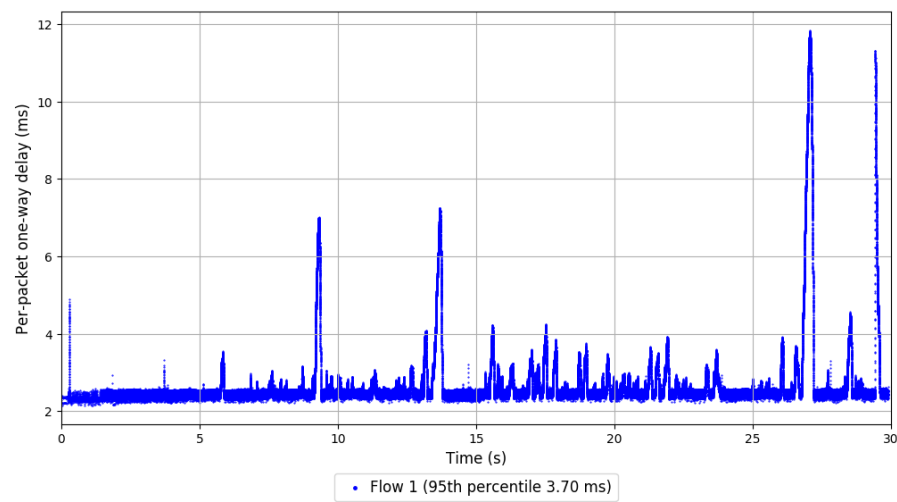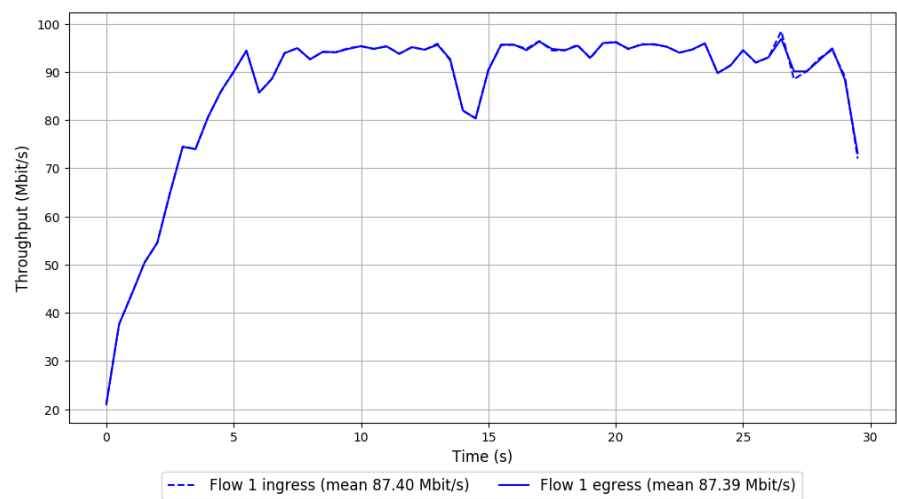
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 90.81 Mbit/s) ---- Flow 1 egress (mean 90.81 Mbit/s)

• Flow 1 (95th percentile 3.69 ms)

```
Run 5: Statistics of PCC

Start at: 2018-03-27 05:23:06
End at: 2018-03-27 05:23:36
Local clock offset: -6.901 ms
Remote clock offset: -6.993 ms


# Below is generated by plot.py at 2018-03-27 07:58:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 3.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 3.480 ms
Loss rate: 0.00%
```
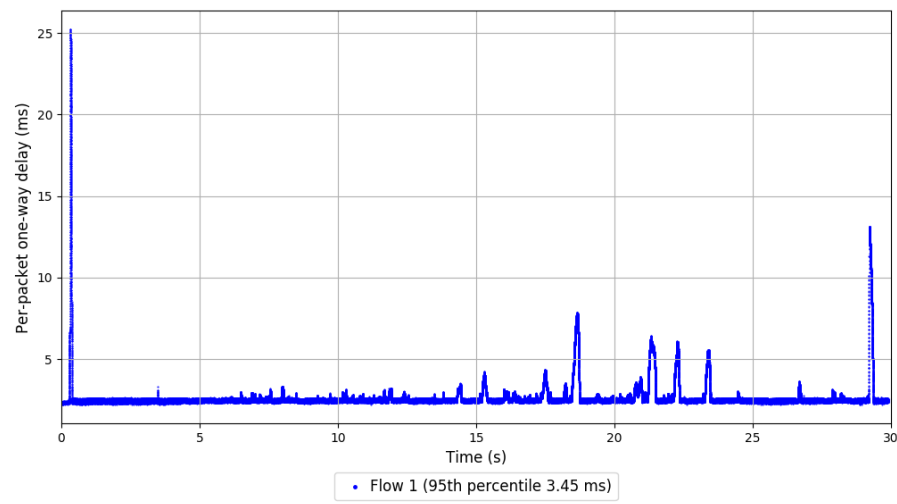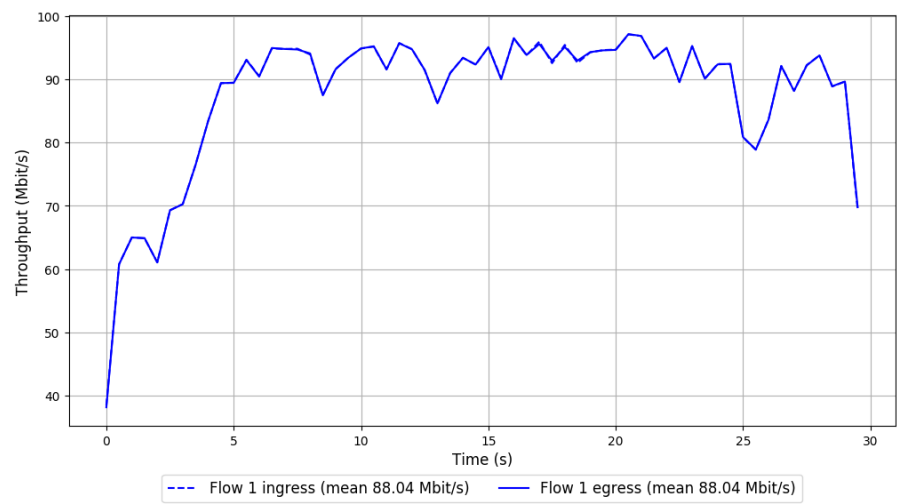
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 90.36 Mbit/s) —— Flow 1 egress (mean 90.35 Mbit/s)

Flow 1 (95th percentile 3.48 ms)

```
Run 6: Statistics of PCC

Start at: 2018-03-27 05:43:30
End at: 2018-03-27 05:44:00
Local clock offset: -6.725 ms
Remote clock offset: -6.536 ms


# Below is generated by plot.py at 2018-03-27 07:58:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 3.621 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 3.621 ms
Loss rate: 2.14%
```

Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 70.83 Mbit/s) --- Flow 1 egress (mean 69.31 Mbit/s)
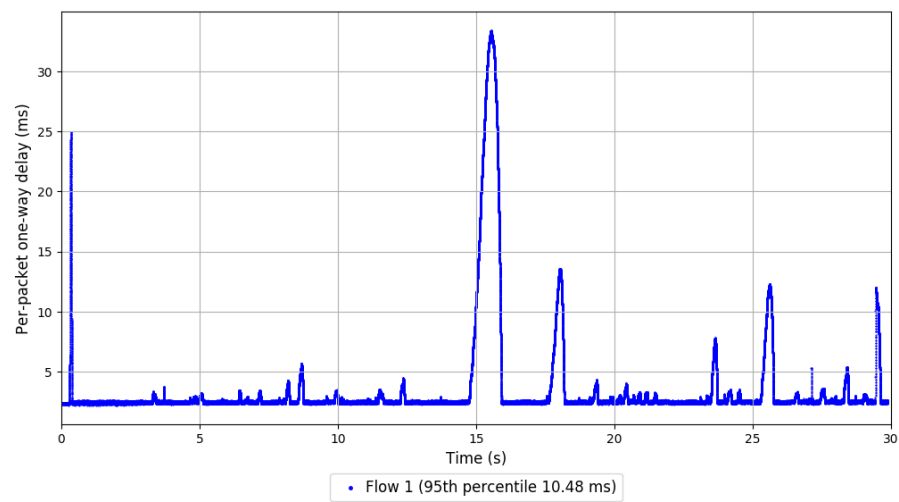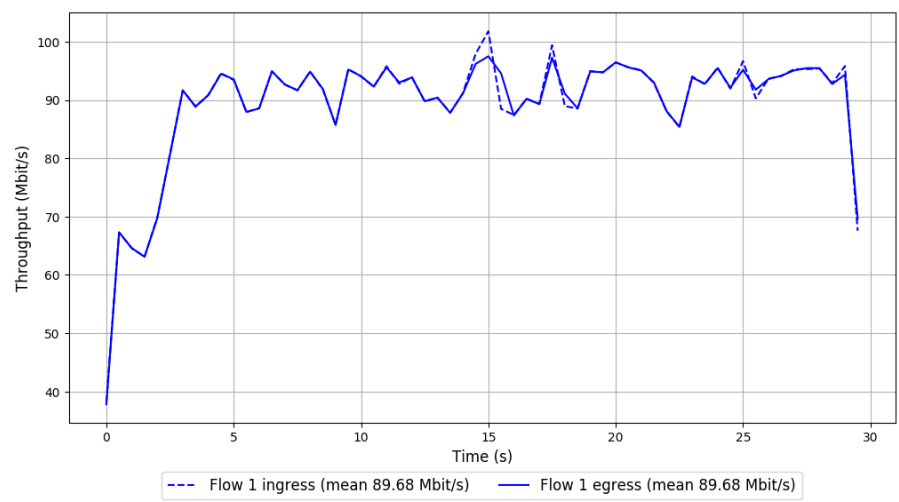

Flow 1 (95th percentile 3.62 ms)

```
Run 7: Statistics of PCC

Start at: 2018-03-27 06:03:50
End at: 2018-03-27 06:04:21
Local clock offset: -5.992 ms
Remote clock offset: -6.374 ms


# Below is generated by plot.py at 2018-03-27 07:58:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.39 Mbit/s
95th percentile per-packet one-way delay: 3.699 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.39 Mbit/s
95th percentile per-packet one-way delay: 3.699 ms
Loss rate: 0.01%
```

Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2018-03-27 06:24:15
End at: 2018-03-27 06:24:45
Local clock offset: -5.504 ms
Remote clock offset: -6.285 ms


# Below is generated by plot.py at 2018-03-27 07:58:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 3.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 3.454 ms
Loss rate: 0.00%
```
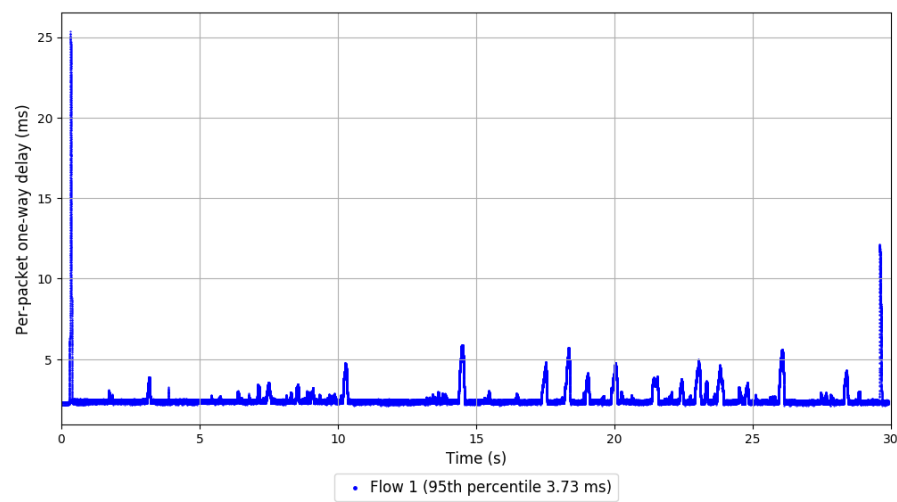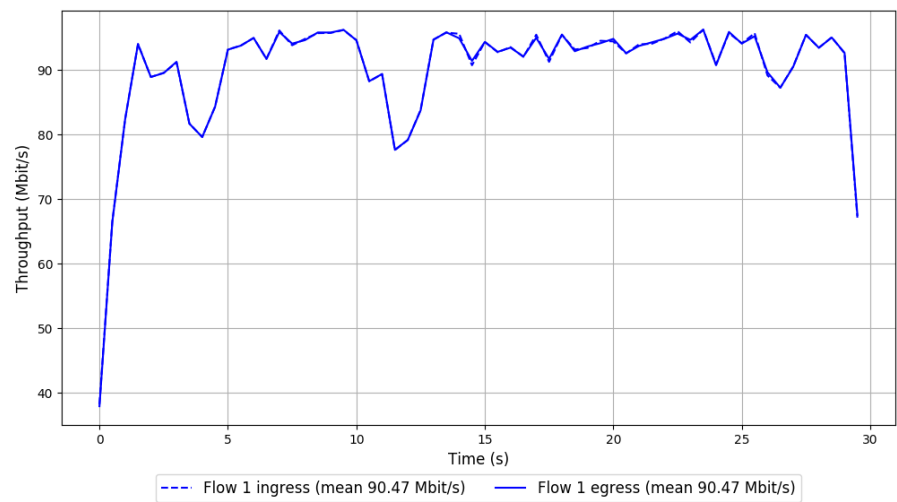
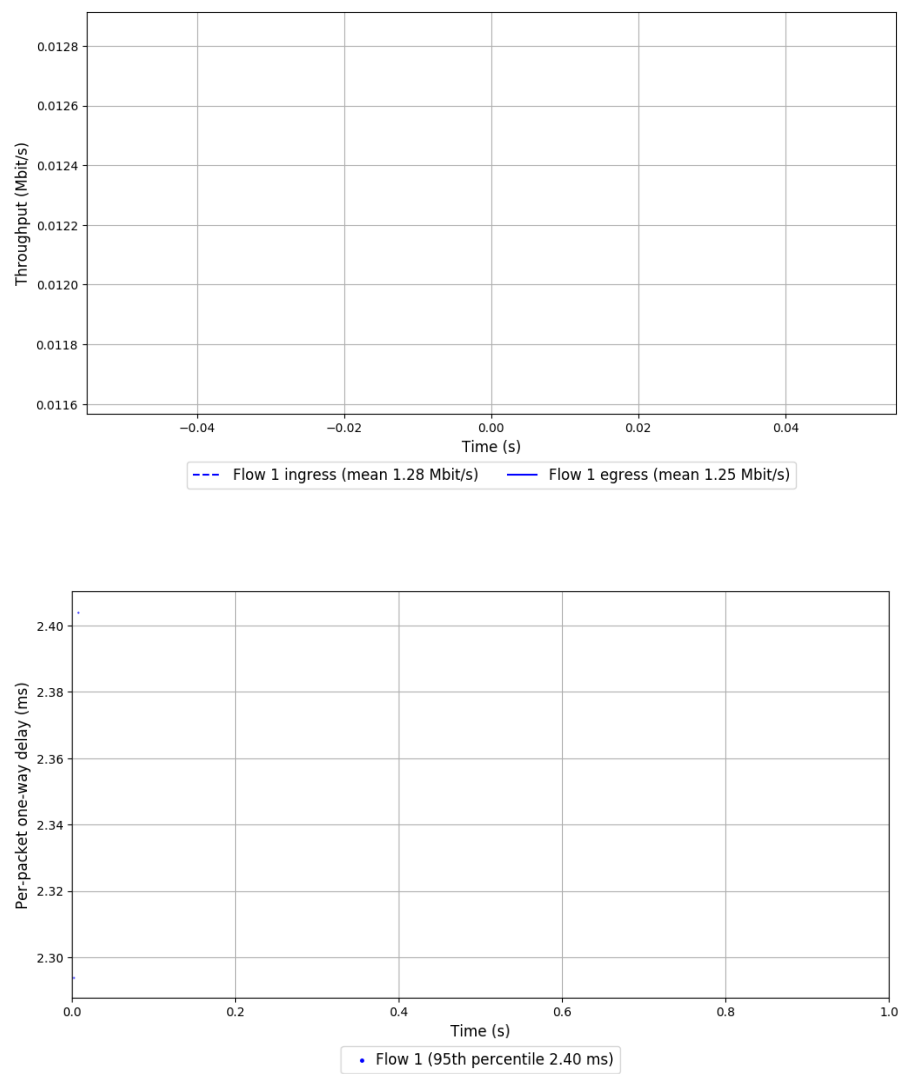Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: 2018-03-27 06:44:39
End at: 2018-03-27 06:45:09
Local clock offset: -5.692 ms
Remote clock offset: -6.308 ms


# Below is generated by plot.py at 2018-03-27 07:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 10.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 10.484 ms
Loss rate: 0.00%
```
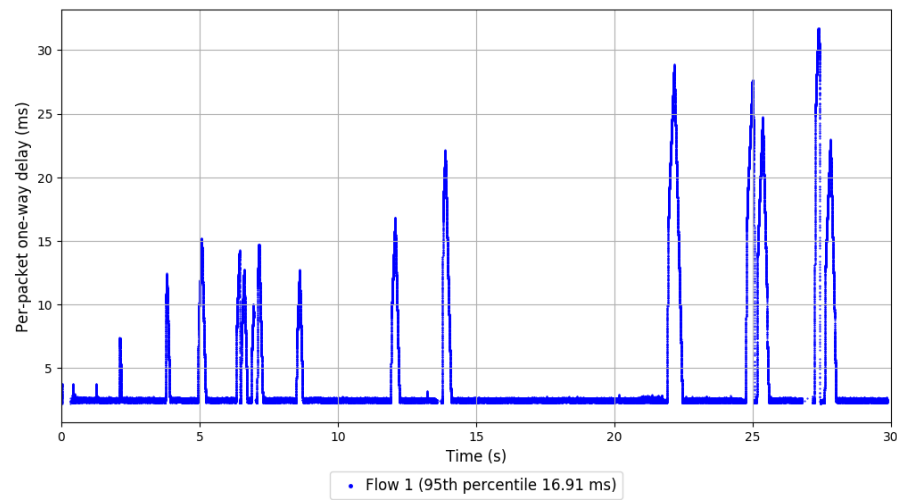
Run 9: Report of PCC — Data Link

```
Run 10: Statistics of PCC

Start at: 2018-03-27 07:05:02
End at: 2018-03-27 07:05:32
Local clock offset: -6.146 ms
Remote clock offset: -6.44 ms


# Below is generated by plot.py at 2018-03-27 07:58:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.47 Mbit/s
95th percentile per-packet one-way delay: 3.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.47 Mbit/s
95th percentile per-packet one-way delay: 3.730 ms
Loss rate: 0.00%
```
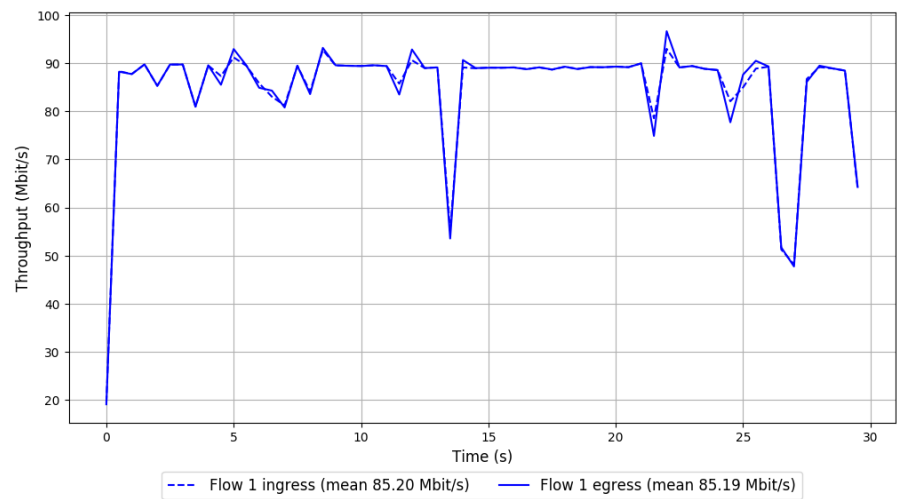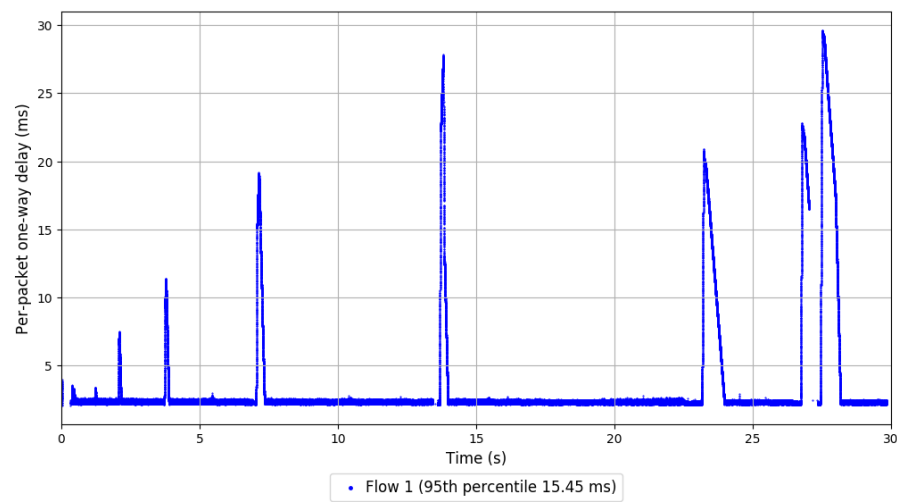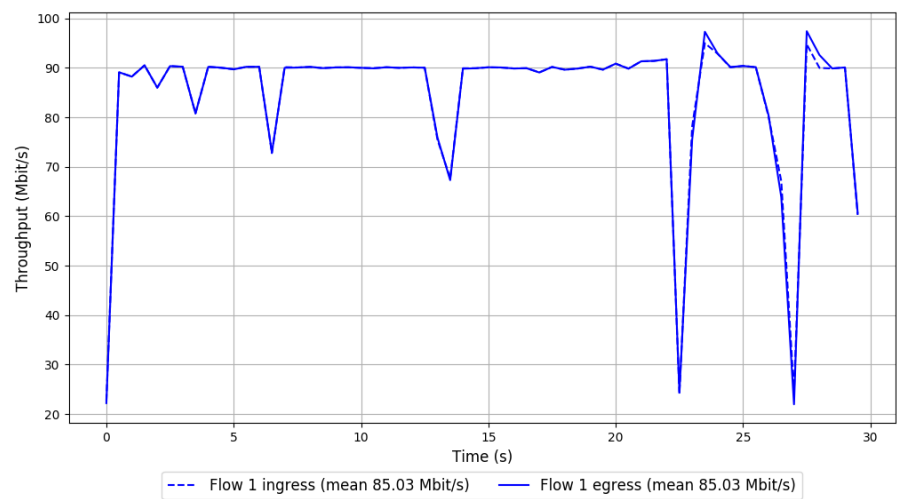
Run 10: Report of PCC — Data Link

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```
Run 1: Statistics of QUIC Cubic

Start at: 2018-03-27 04:10:41
End at: 2018-03-27 04:11:11
Local clock offset: -6.92 ms
Remote clock offset: -8.128 ms
```

Run 1: Report of QUIC Cubic — Data Link

Throughput (Mbit/s)

--- Flow 1 ingress (mean 1.28 Mbit/s) —— Flow 1 egress (mean 1.25 Mbit/s)

Per-packet one-way delay (ms)

• Flow 1 (95th percentile 2.40 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-03-27 04:31:00
End at: 2018-03-27 04:31:30
Local clock offset: -5.78 ms
Remote clock offset: -7.171 ms


# Below is generated by plot.py at 2018-03-27 07:58:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 16.906 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 16.906 ms
Loss rate: 0.01%
```
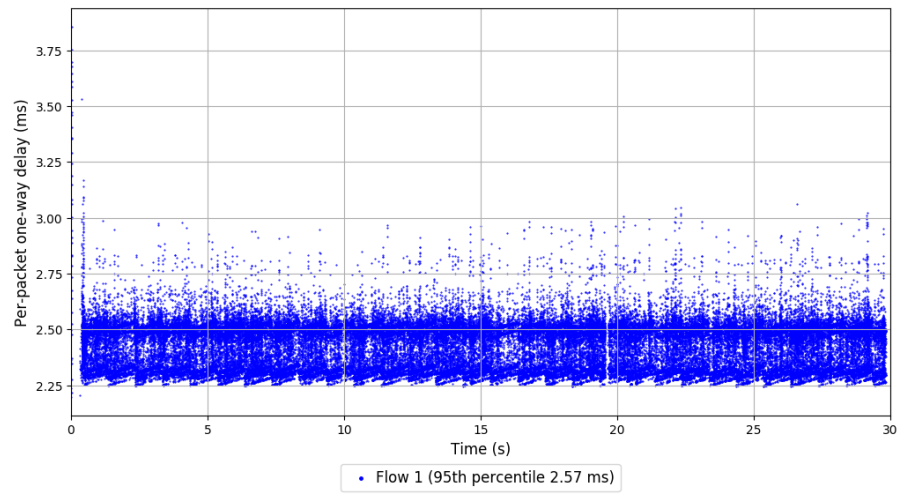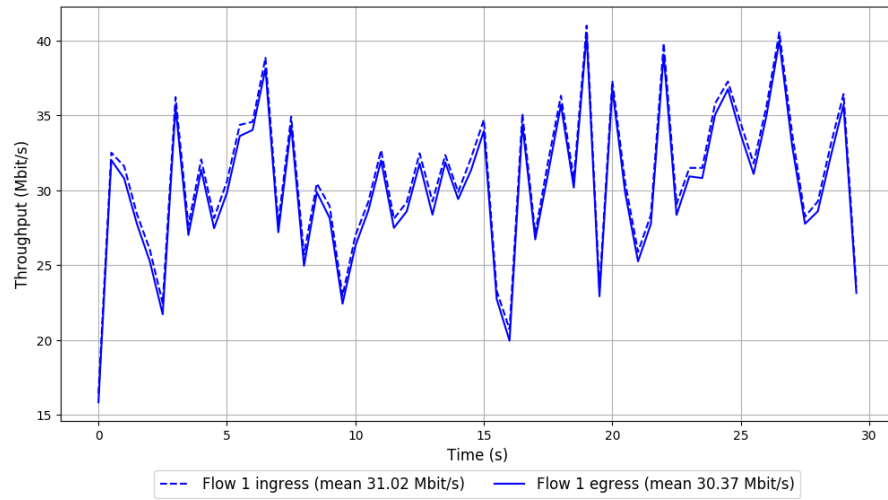
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-03-27 04:51:24
End at: 2018-03-27 04:51:54
Local clock offset: -6.228 ms
Remote clock offset: -6.576 ms


# Below is generated by plot.py at 2018-03-27 07:58:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 15.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 15.451 ms
Loss rate: 0.00%
```
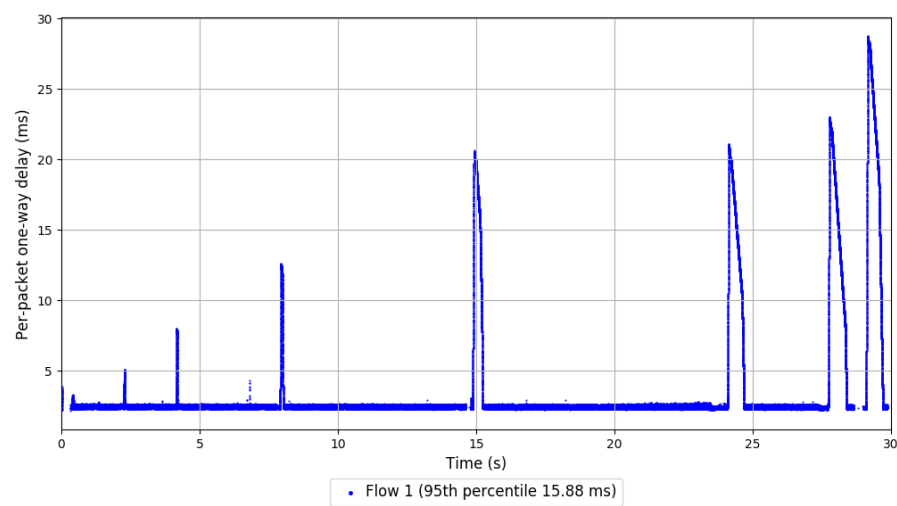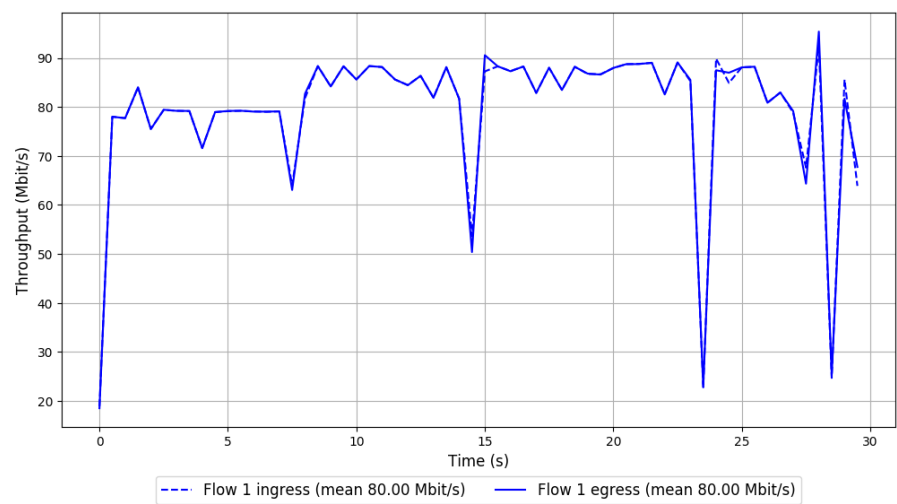
Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 85.03 Mbit/s) --- Flow 1 egress (mean 85.03 Mbit/s)

Flow 1 (95th percentile 15.45 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-03-27 05:11:44
End at: 2018-03-27 05:12:14
Local clock offset: -6.956 ms
Remote clock offset: -6.931 ms

# Below is generated by plot.py at 2018-03-27 07:58:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.37 Mbit/s
95th percentile per-packet one-way delay: 2.566 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 30.37 Mbit/s
95th percentile per-packet one-way delay: 2.566 ms
Loss rate: 2.11%
```
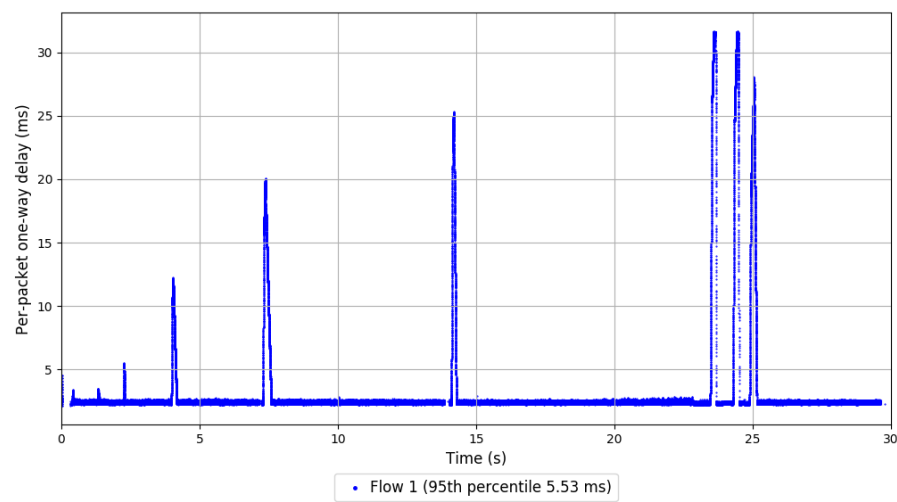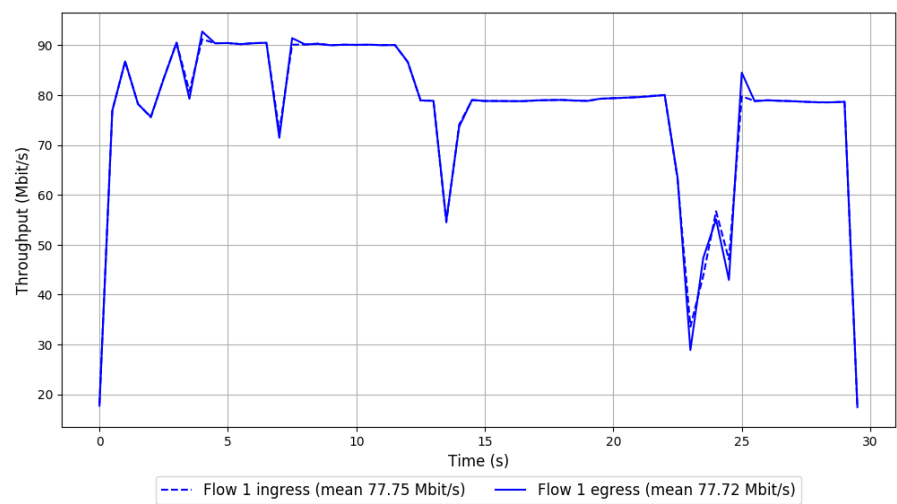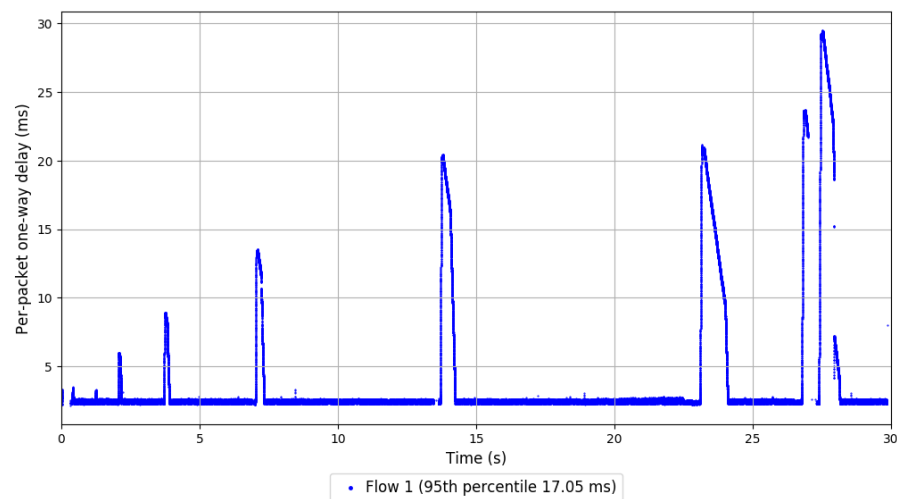
Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-03-27 05:32:05
End at: 2018-03-27 05:32:35
Local clock offset: -6.783 ms
Remote clock offset: -6.91 ms


# Below is generated by plot.py at 2018-03-27 07:59:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 15.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 15.878 ms
Loss rate: 0.00%
```
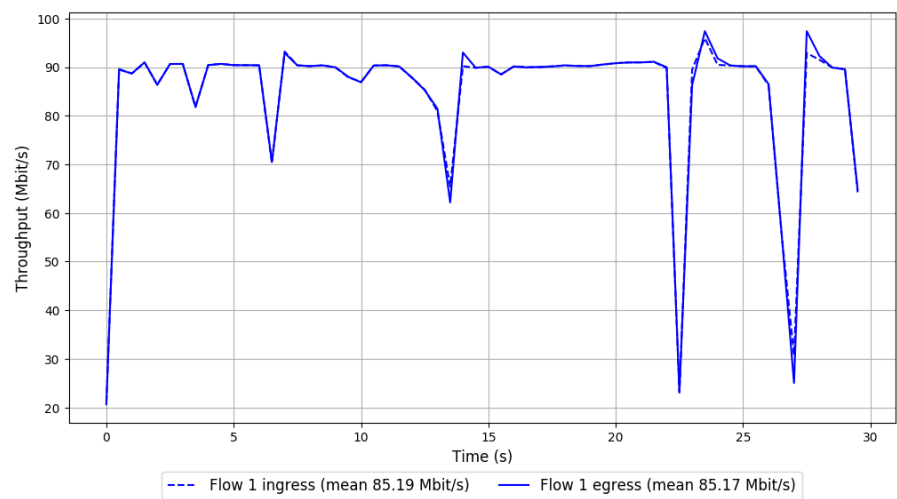
Run 5: Report of QUIC Cubic — Data Link

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-03-27 05:52:28
End at: 2018-03-27 05:52:58
Local clock offset: -6.683 ms
Remote clock offset: -6.478 ms


# Below is generated by plot.py at 2018-03-27 08:00:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.72 Mbit/s
95th percentile per-packet one-way delay: 5.534 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.72 Mbit/s
95th percentile per-packet one-way delay: 5.534 ms
Loss rate: 0.04%
```
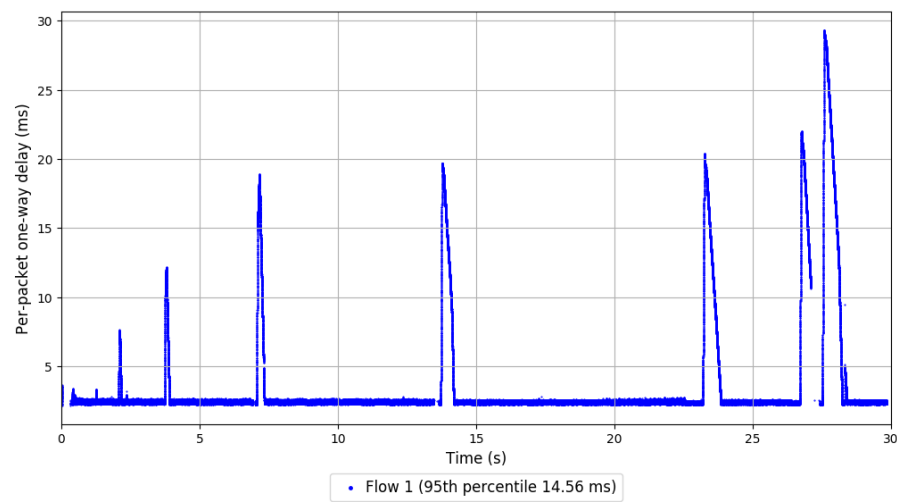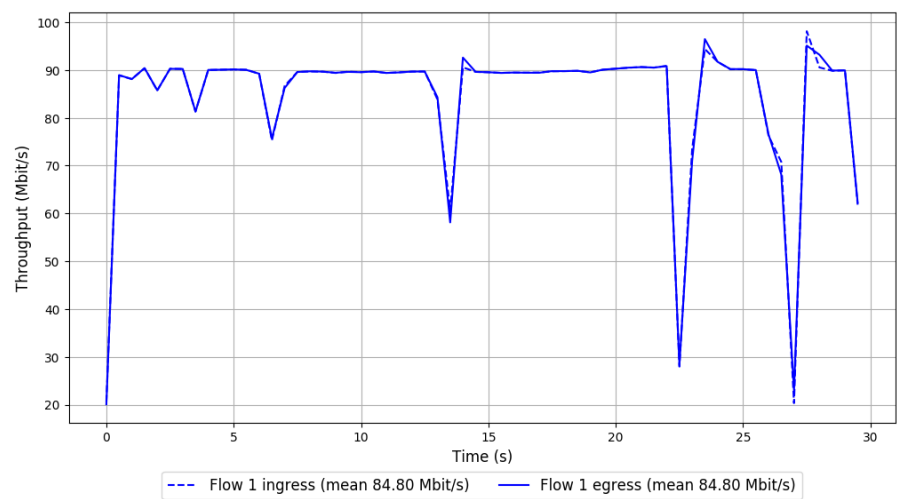
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.75 Mbit/s) ---- Flow 1 egress (mean 77.72 Mbit/s)

Flow 1 (95th percentile 5.53 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-03-27 06:12:50
End at: 2018-03-27 06:13:20
Local clock offset: -5.661 ms
Remote clock offset: -6.303 ms


# Below is generated by plot.py at 2018-03-27 08:00:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 17.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 17.048 ms
Loss rate: 0.00%
```
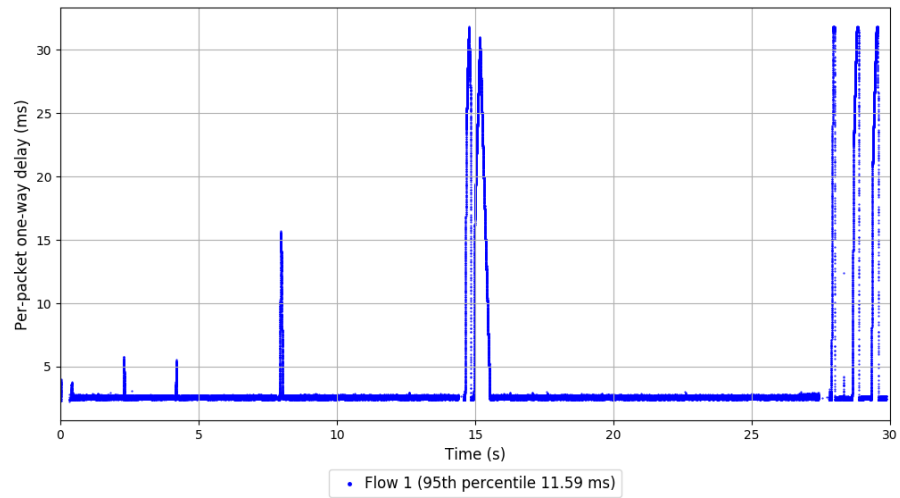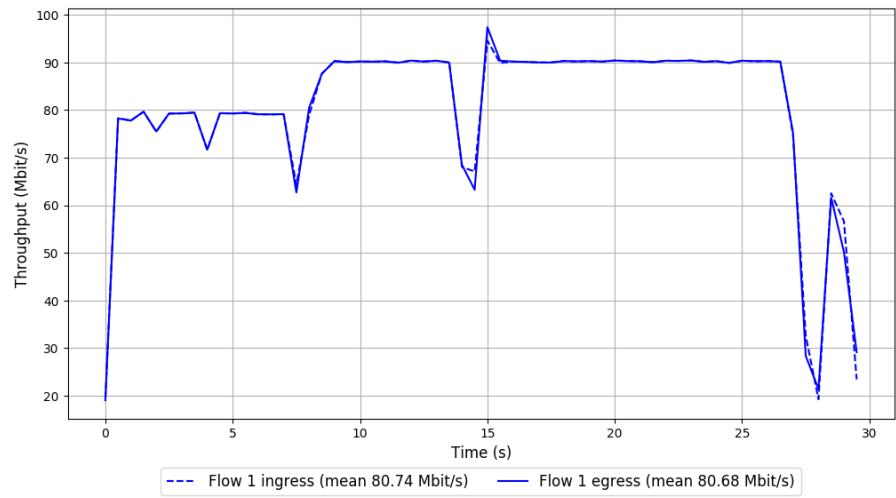
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 85.19 Mbit/s) --- Flow 1 egress (mean 85.17 Mbit/s)

Flow 1 (95th percentile 17.05 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-03-27 06:33:14
End at: 2018-03-27 06:33:44
Local clock offset: -5.643 ms
Remote clock offset: -6.25 ms

# Below is generated by plot.py at 2018-03-27 08:00:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.80 Mbit/s
95th percentile per-packet one-way delay: 14.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.80 Mbit/s
95th percentile per-packet one-way delay: 14.563 ms
Loss rate: 0.00%
```
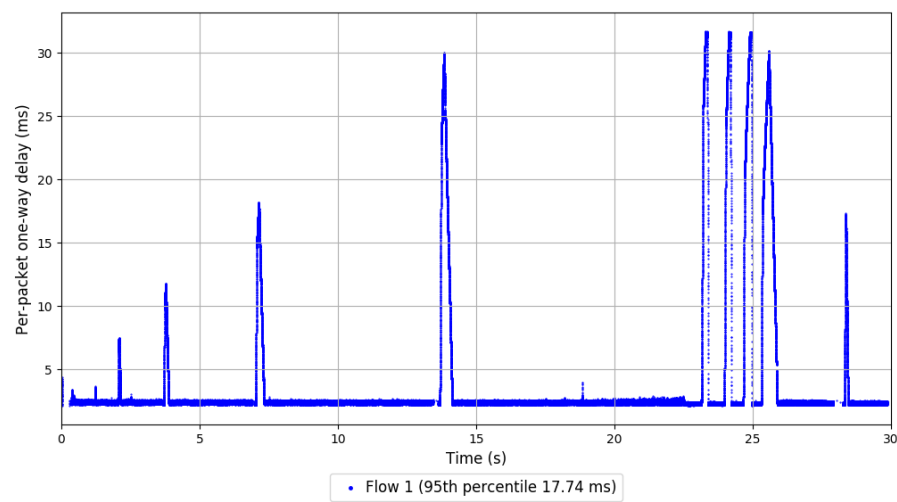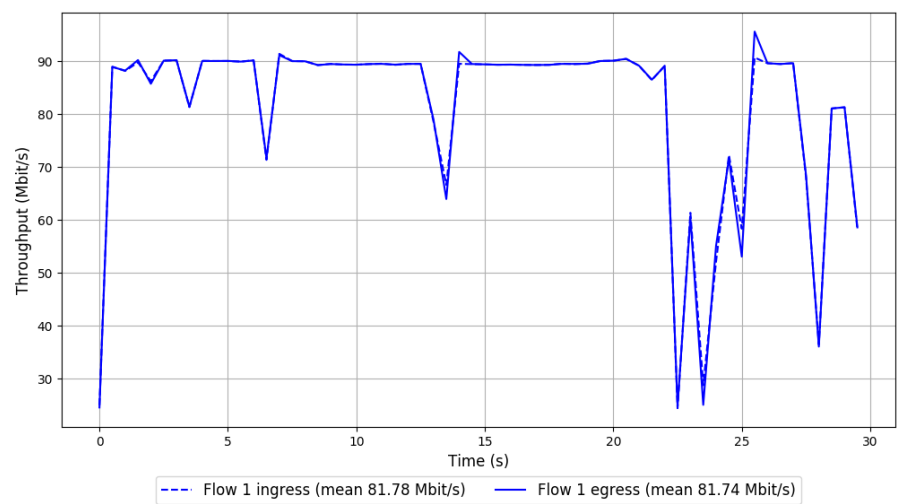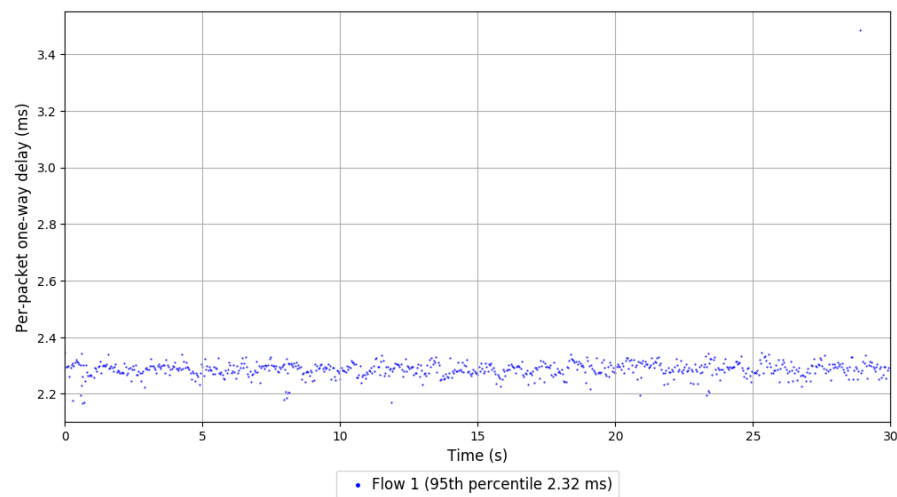
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 84.80 Mbit/s) --- Flow 1 egress (mean 84.80 Mbit/s)

Flow 1 (95th percentile 14.56 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-03-27 06:53:37
End at: 2018-03-27 06:54:07
Local clock offset: -5.733 ms
Remote clock offset: -6.404 ms

# Below is generated by plot.py at 2018-03-27 08:00:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.68 Mbit/s
95th percentile per-packet one-way delay: 11.585 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 80.68 Mbit/s
95th percentile per-packet one-way delay: 11.585 ms
Loss rate: 0.08%
```
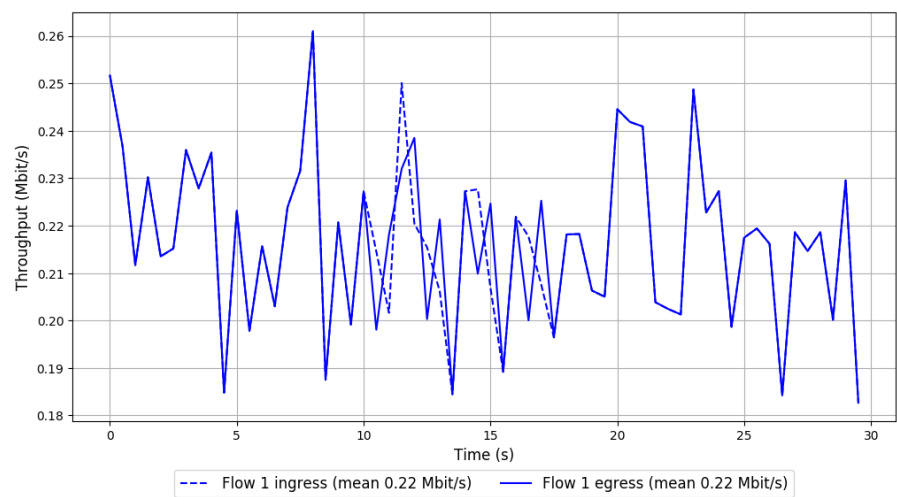
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 80.74 Mbit/s)   Flow 1 egress (mean 80.68 Mbit/s)

Flow 1 (95th percentile 11.59 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-03-27 07:14:01
End at: 2018-03-27 07:14:31
Local clock offset: -6.876 ms
Remote clock offset: -6.4 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 17.742 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 17.742 ms
Loss rate: 0.05%
```
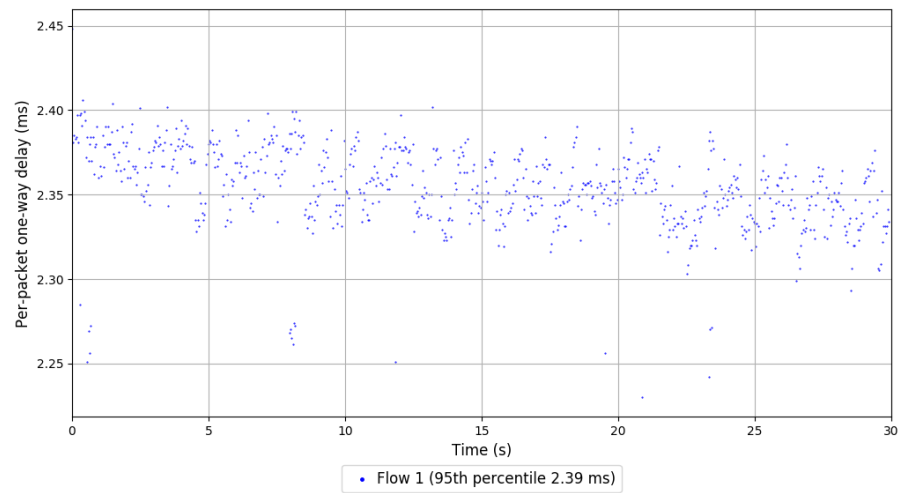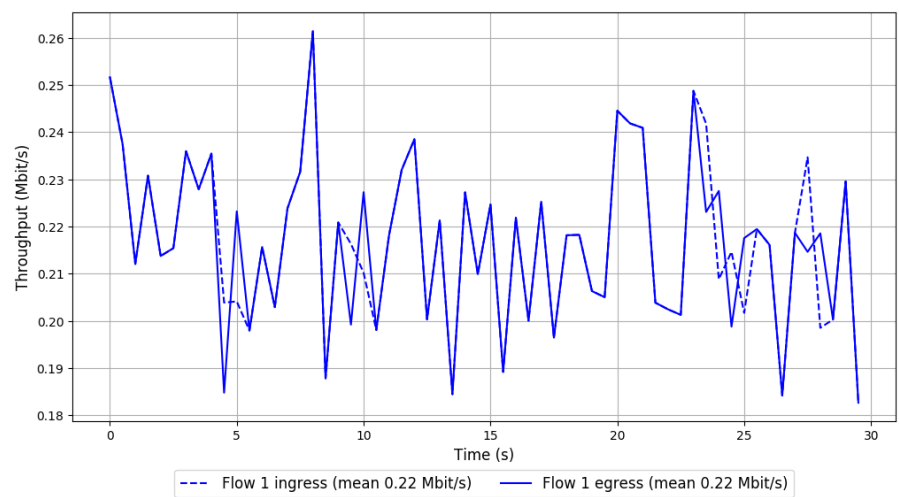
Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 81.78 Mbit/s)   Flow 1 egress (mean 81.74 Mbit/s)
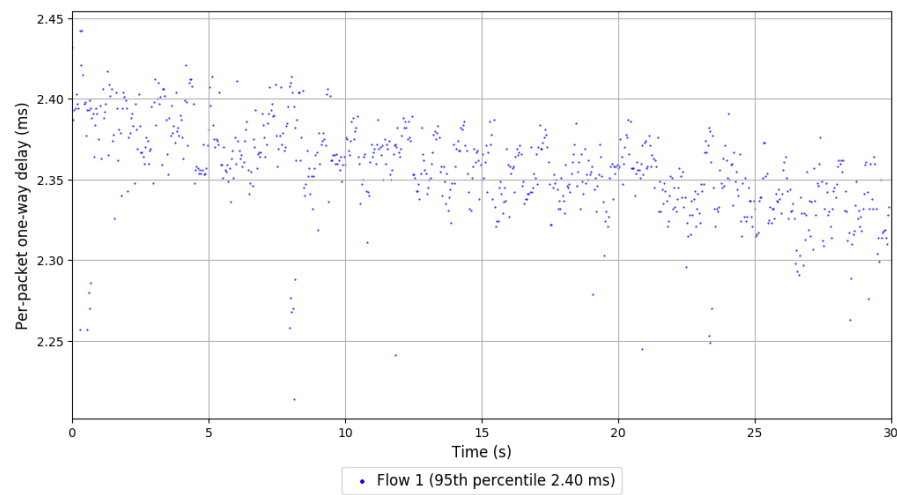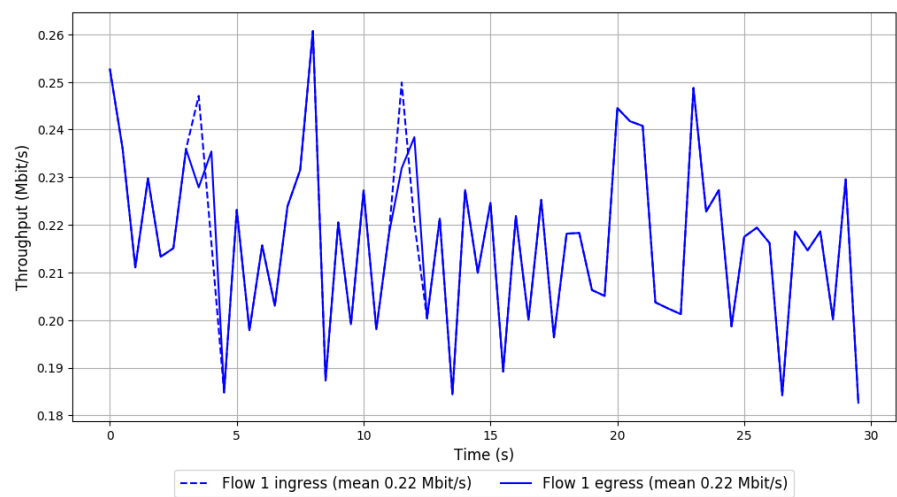

Flow 1 (95th percentile 17.74 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-03-27 04:07:20
End at: 2018-03-27 04:07:50
Local clock offset: -6.864 ms
Remote clock offset: -8.078 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.00%
```
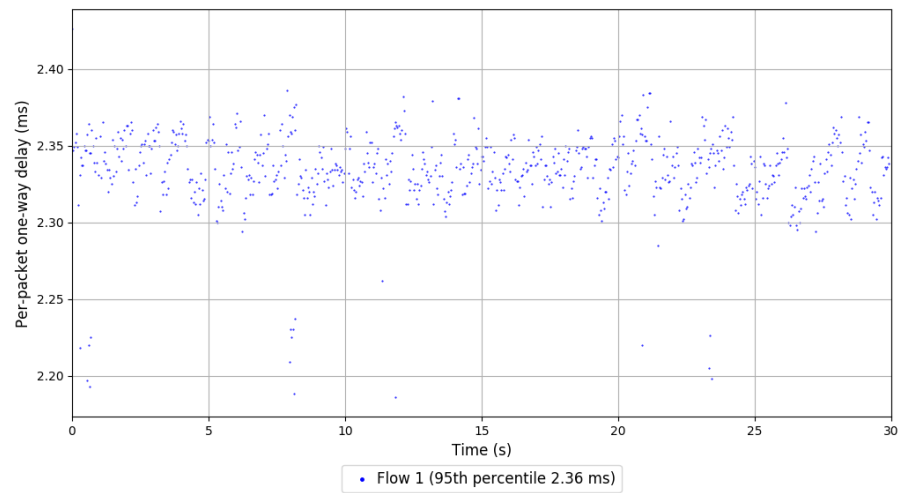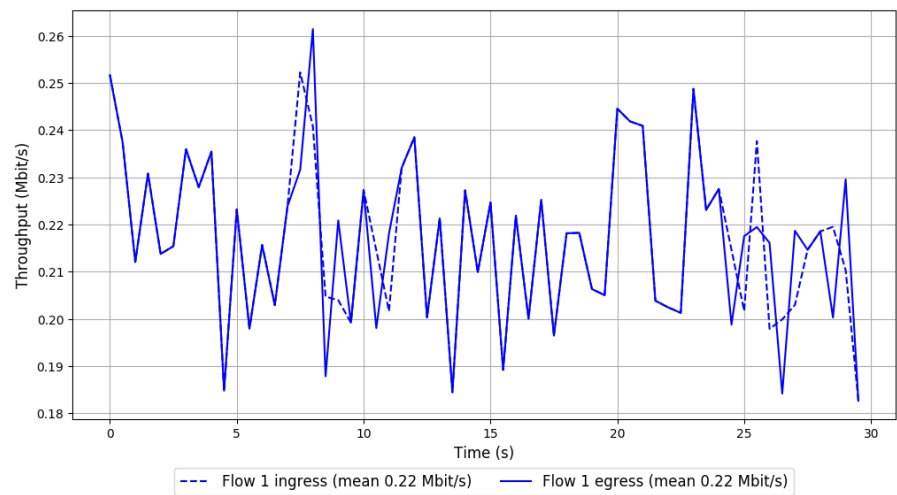
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2018-03-27 04:27:39
End at: 2018-03-27 04:28:09
Local clock offset: -5.862 ms
Remote clock offset: -7.42 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.00%
```
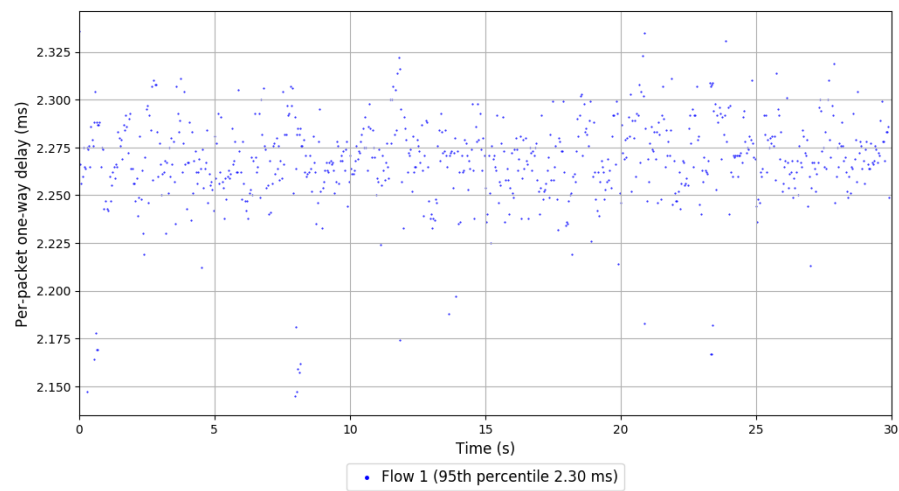
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2018-03-27 04:48:04
End at: 2018-03-27 04:48:34
Local clock offset: -6.026 ms
Remote clock offset: -6.563 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.403 ms
Loss rate: 0.00%
```
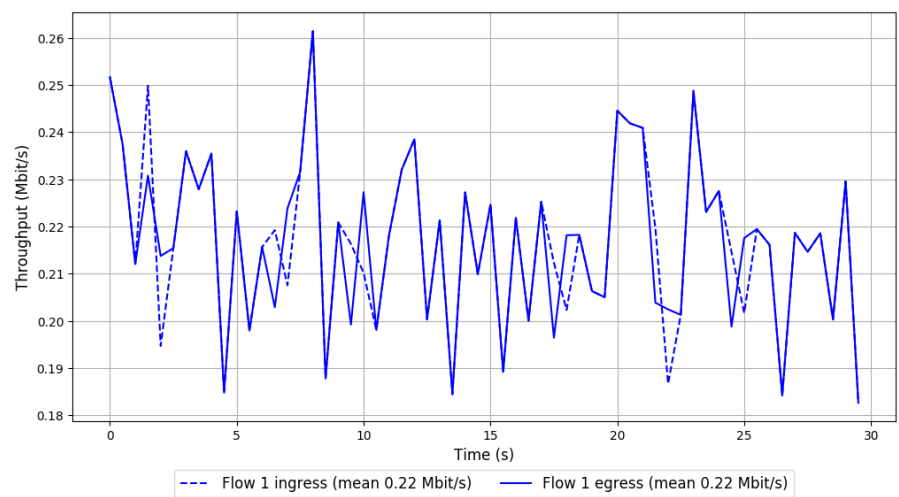
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2018-03-27 05:08:23
End at: 2018-03-27 05:08:53
Local clock offset: -6.883 ms
Remote clock offset: -6.875 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.00%
```
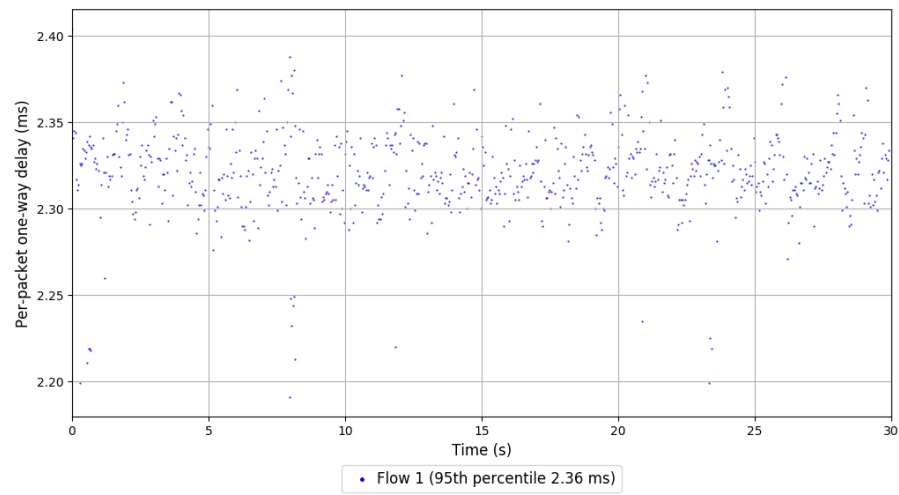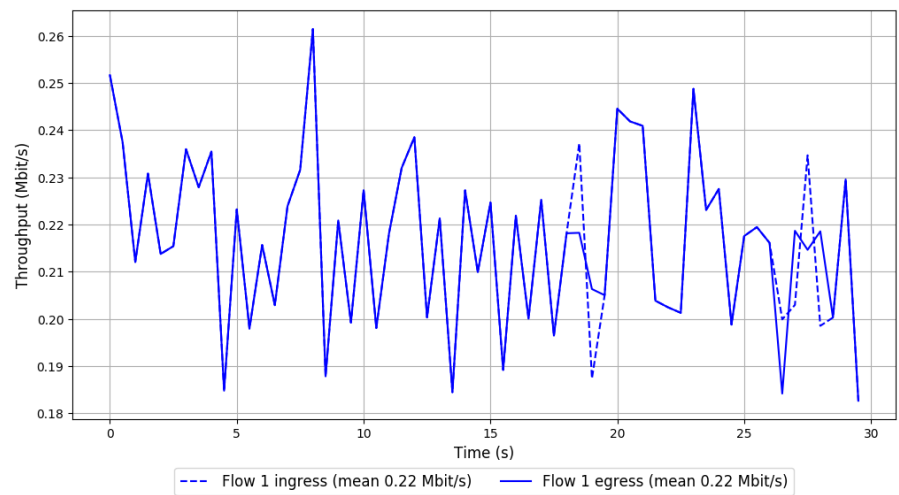
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2018-03-27 05:28:44
End at: 2018-03-27 05:29:14
Local clock offset: -6.792 ms
Remote clock offset: -7.084 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.00%
```
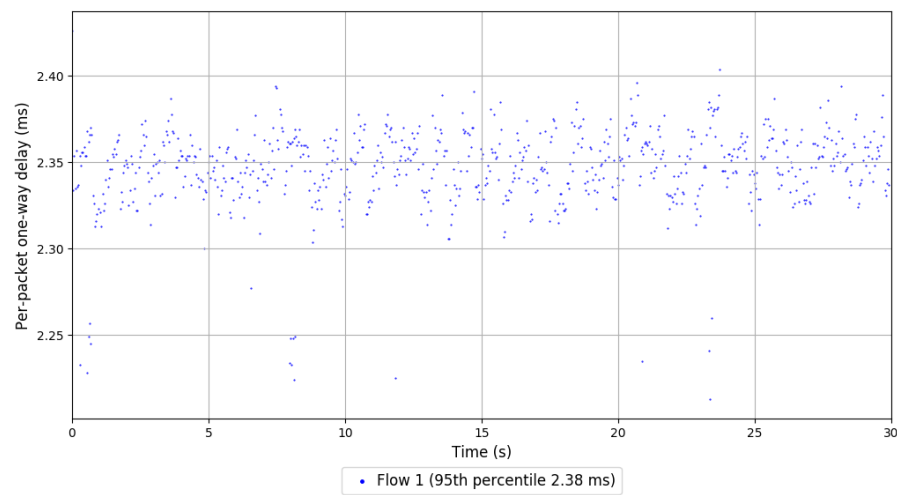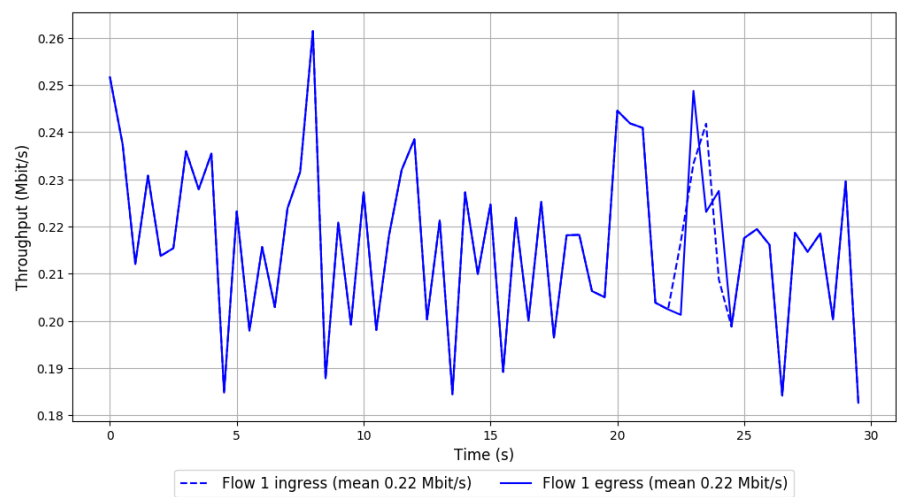
Run 5: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s) --- Flow 1 egress (mean 0.22 Mbit/s)

Flow 1 (95th percentile 2.30 ms)

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```
Run 6: Statistics of SCReAM

Start at: 2018-03-27 05:49:07
End at: 2018-03-27 05:49:37
Local clock offset: -6.706 ms
Remote clock offset: -6.465 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.00%
```
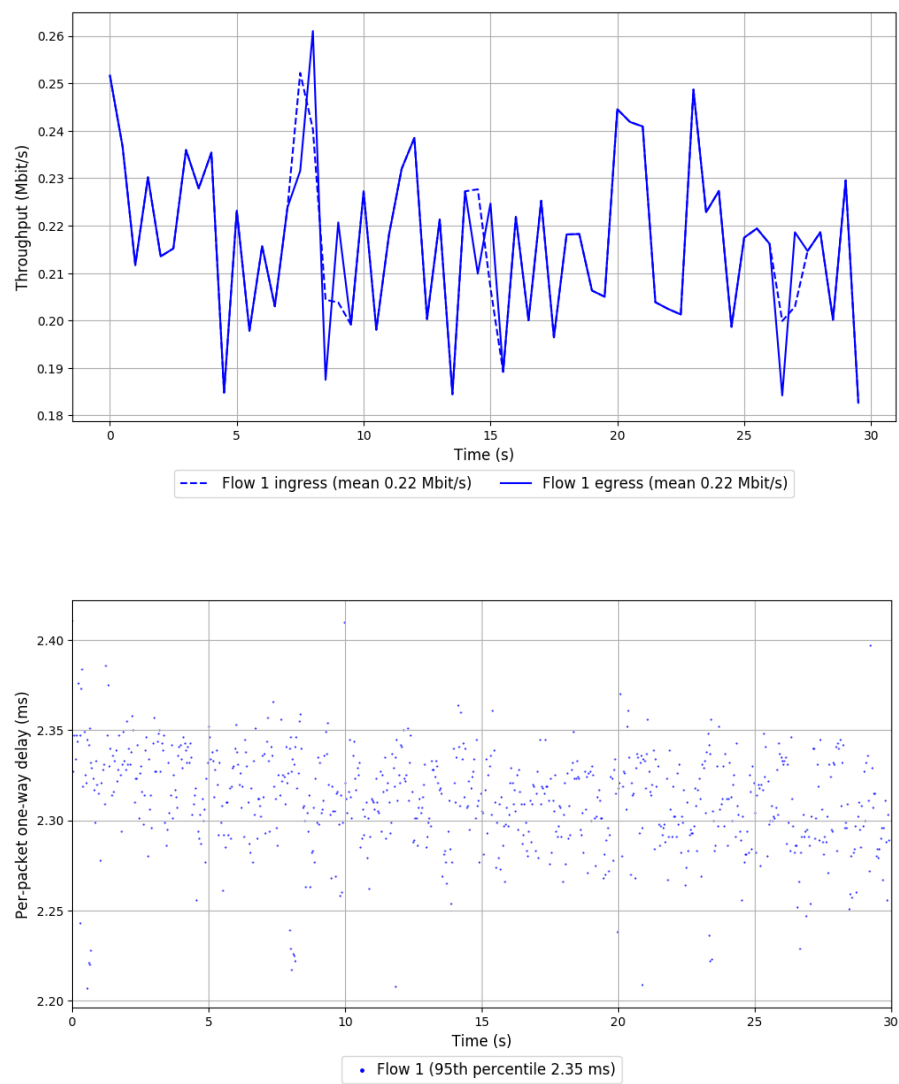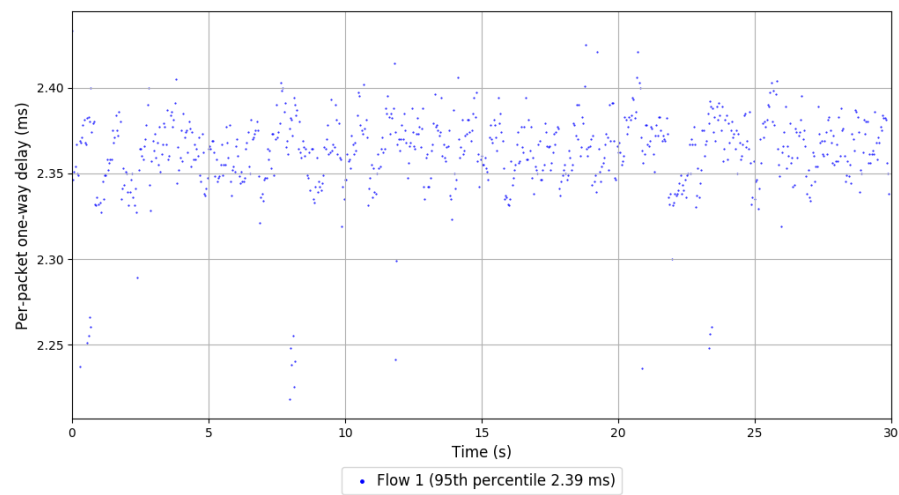
Run 6: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s) ⸻ Flow 1 egress (mean 0.22 Mbit/s)

Flow 1 (95th percentile 2.36 ms)

115

```
Run 7: Statistics of SCReAM

Start at: 2018-03-27 06:09:29
End at: 2018-03-27 06:09:59
Local clock offset: -5.752 ms
Remote clock offset: -6.317 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.00%
```
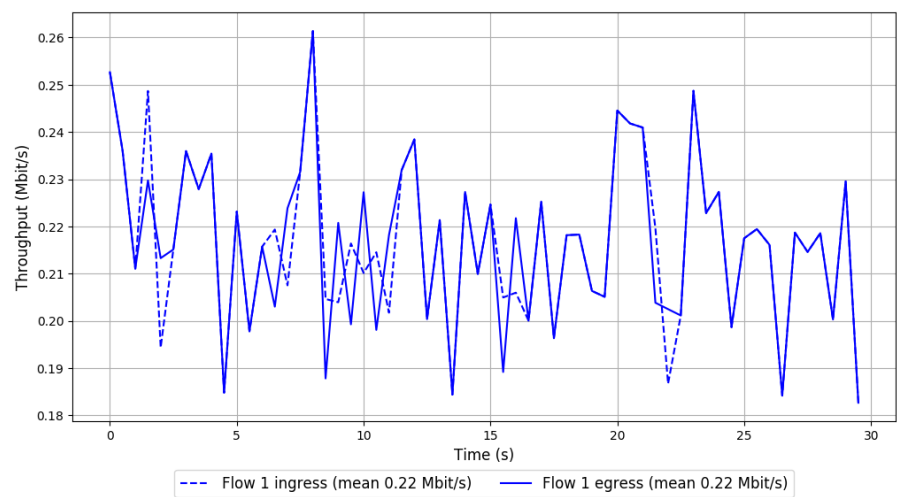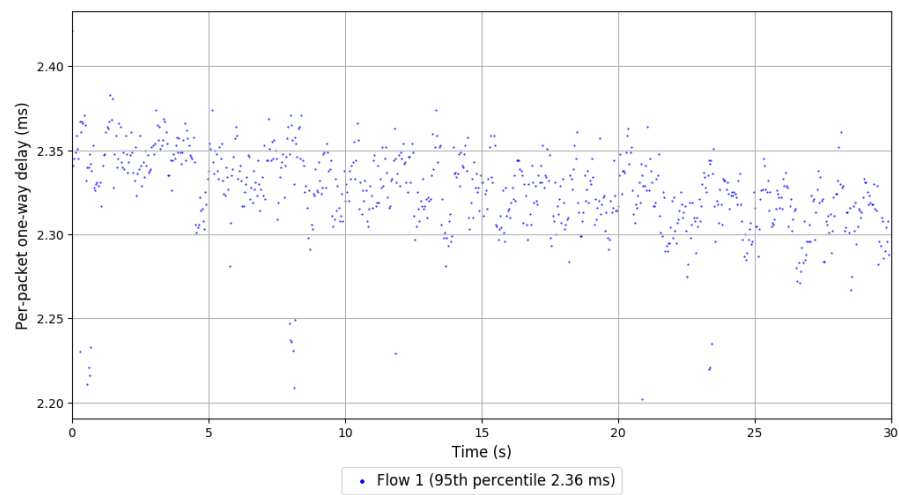
Run 7: Report of SCReAM — Data Link

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```
Run 8: Statistics of SCReAM

Start at: 2018-03-27 06:29:53
End at: 2018-03-27 06:30:23
Local clock offset: -5.518 ms
Remote clock offset: -6.19 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.00%
```
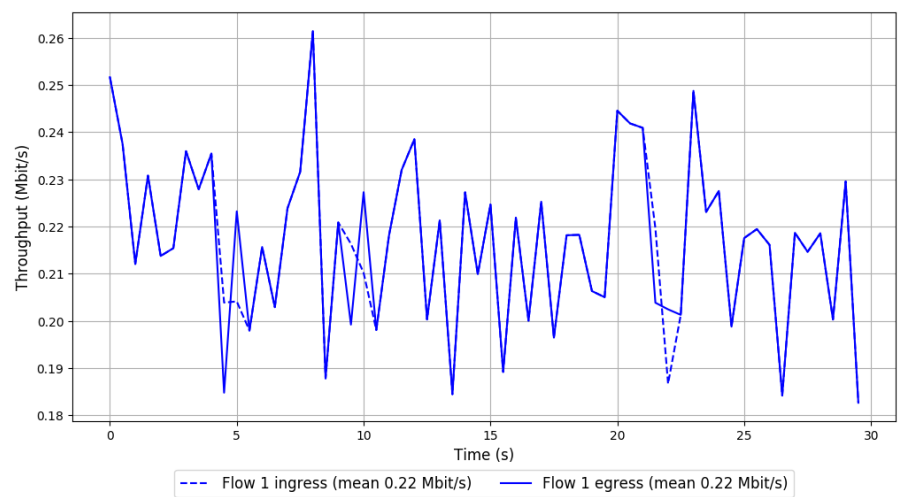
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2018-03-27 06:50:17
End at: 2018-03-27 06:50:47
Local clock offset: -5.677 ms
Remote clock offset: -6.379 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%
```
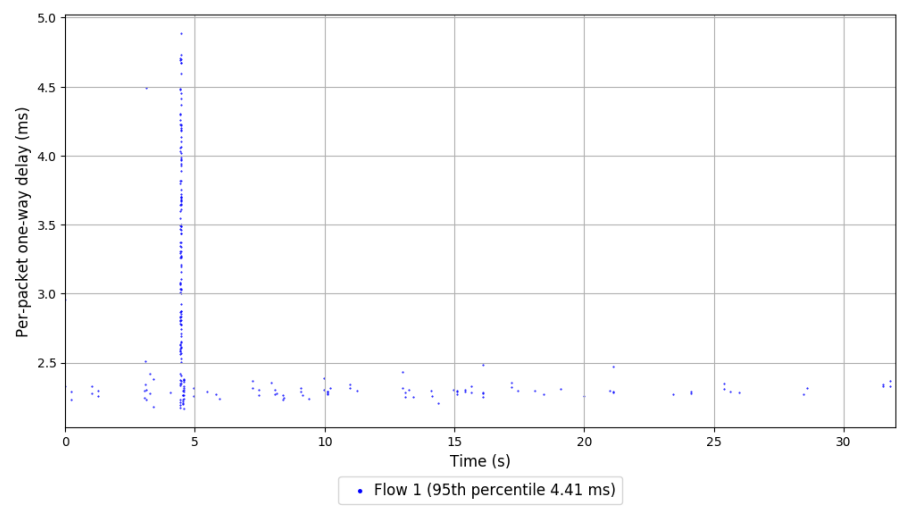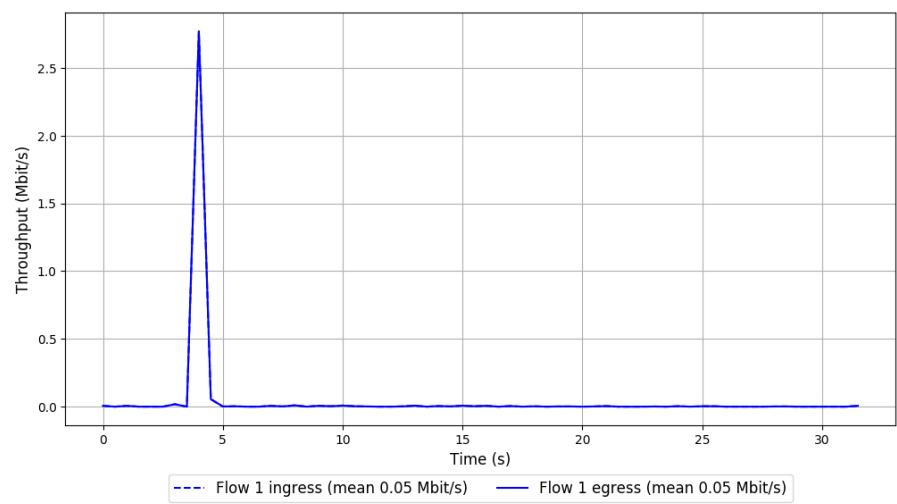
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2018-03-27 07:10:40
End at: 2018-03-27 07:11:10
Local clock offset: -6.706 ms
Remote clock offset: -6.439 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.361 ms
Loss rate: 0.00%
```
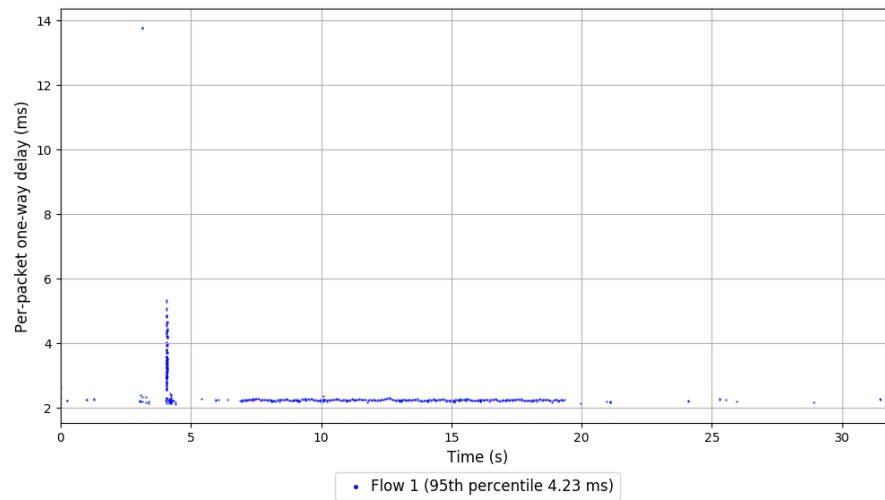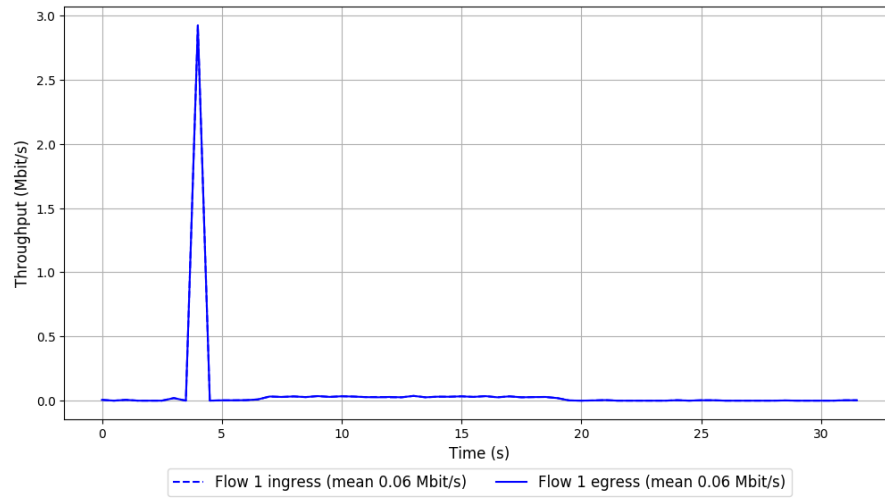
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2018-03-27 04:12:52
End at: 2018-03-27 04:13:22
Local clock offset: -6.663 ms
Remote clock offset: -8.129 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.412 ms
Loss rate: 0.00%
```
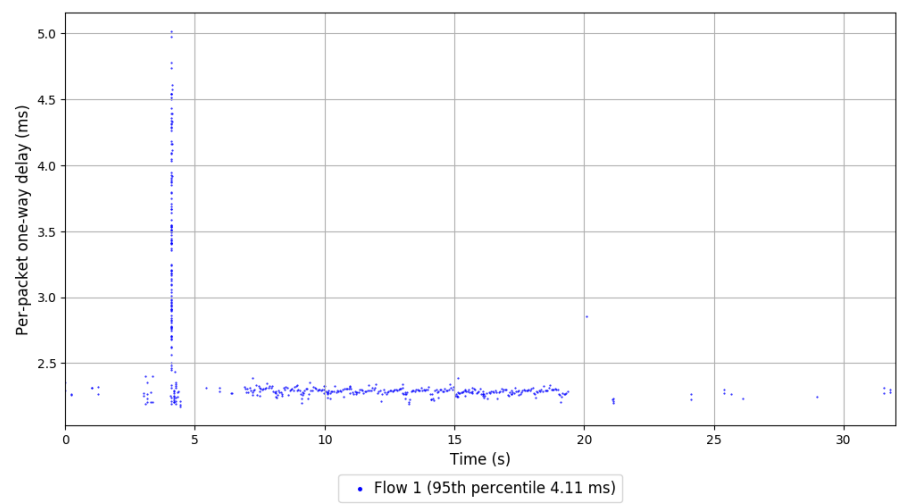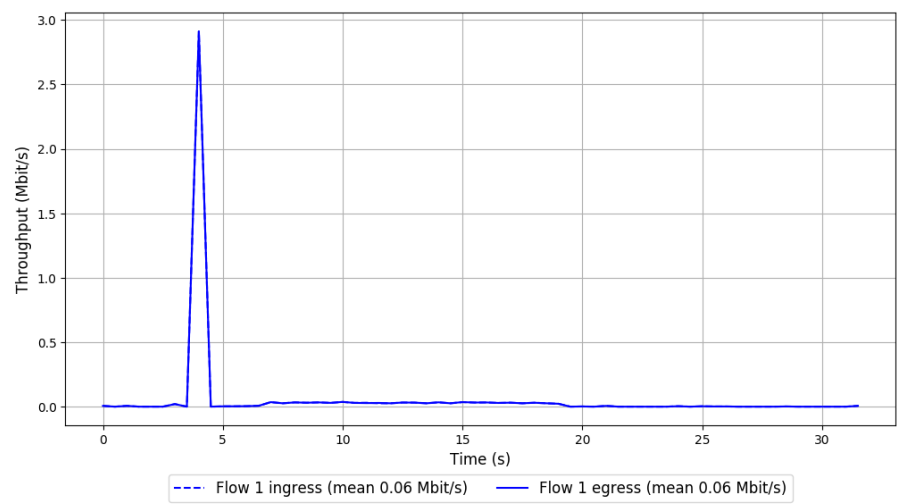
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-03-27 04:33:16
End at: 2018-03-27 04:33:46
Local clock offset: -5.71 ms
Remote clock offset: -7.025 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.233 ms
Loss rate: 0.00%
```
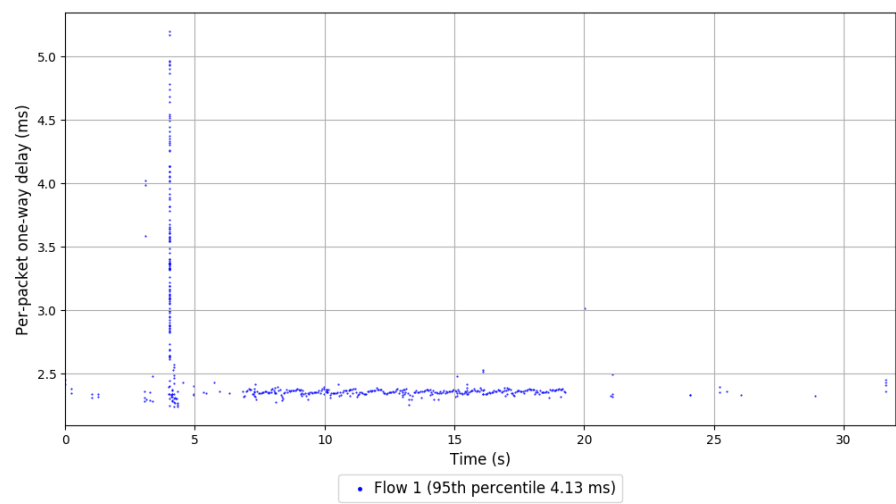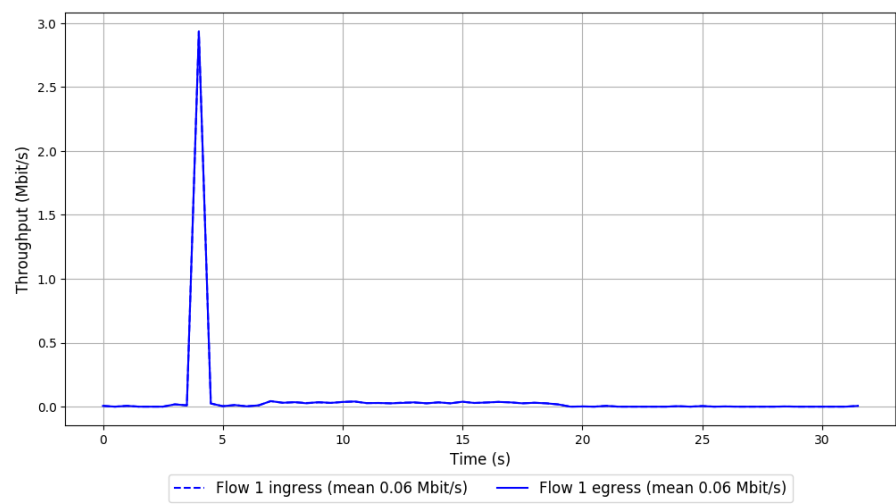
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-03-27 04:53:40
End at: 2018-03-27 04:54:10
Local clock offset: -6.462 ms
Remote clock offset: -6.488 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.113 ms
Loss rate: 0.00%
```
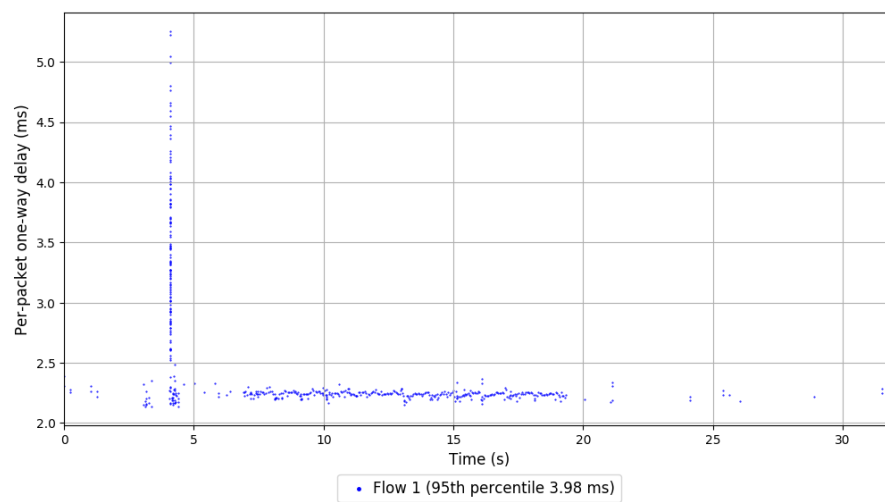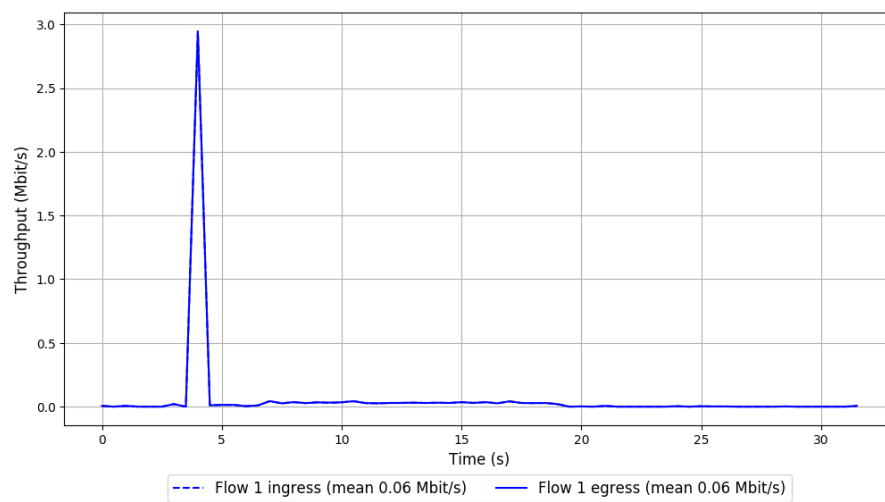
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-03-27 05:13:57
End at: 2018-03-27 05:14:27
Local clock offset: -7.066 ms
Remote clock offset: -6.933 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.135 ms
Loss rate: 0.00%
```
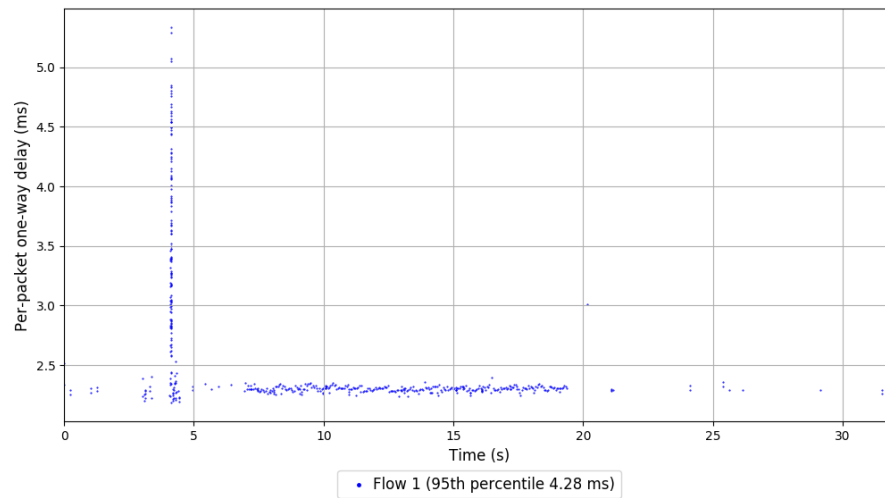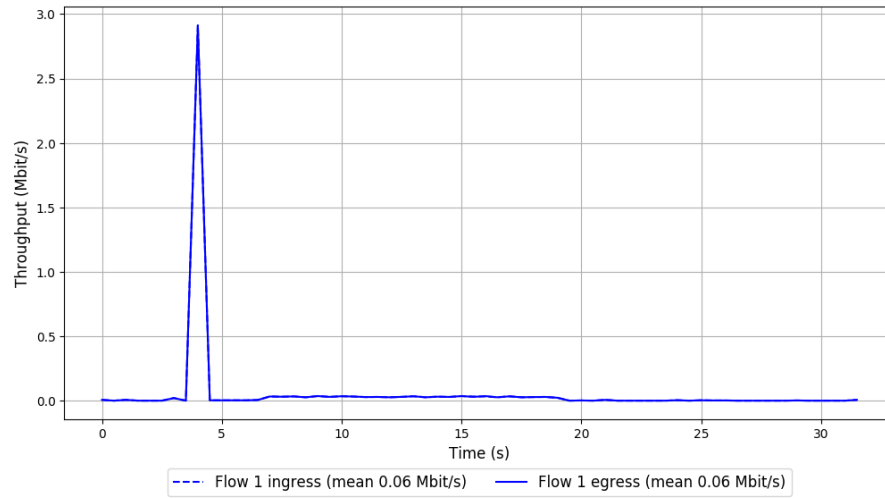
Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 0.06 Mbit/s)   Flow 1 egress (mean 0.06 Mbit/s)

Flow 1 (95th percentile 4.13 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2018-03-27 05:34:20
End at: 2018-03-27 05:34:50
Local clock offset: -6.758 ms
Remote clock offset: -6.818 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.983 ms
Loss rate: 0.00%
```
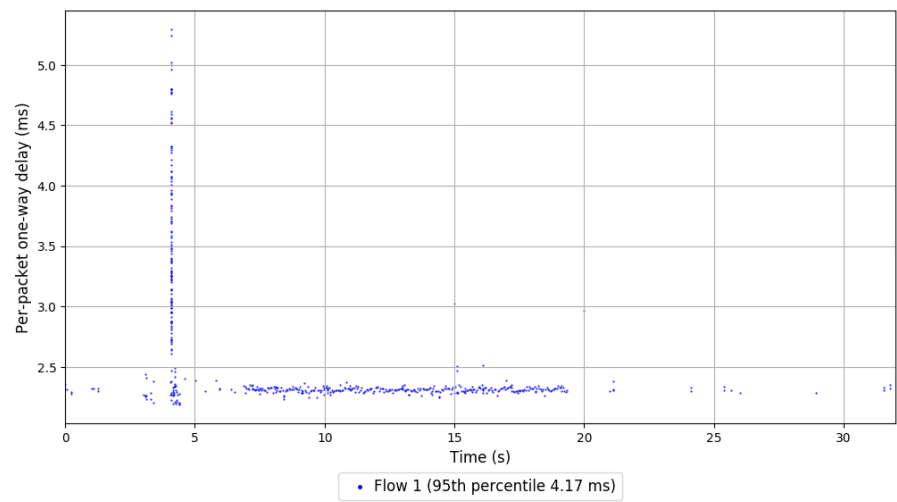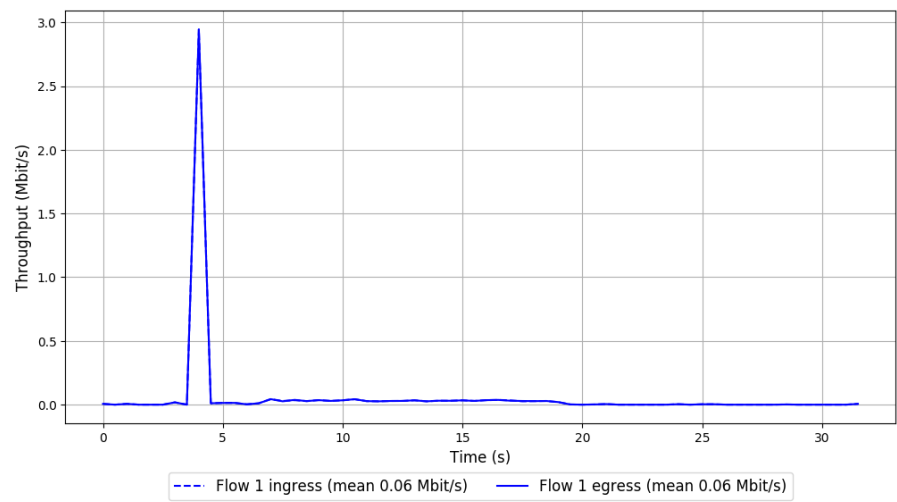
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2018-03-27 05:54:43
End at: 2018-03-27 05:55:13
Local clock offset: -6.539 ms
Remote clock offset: -6.394 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.275 ms
Loss rate: 0.00%
```
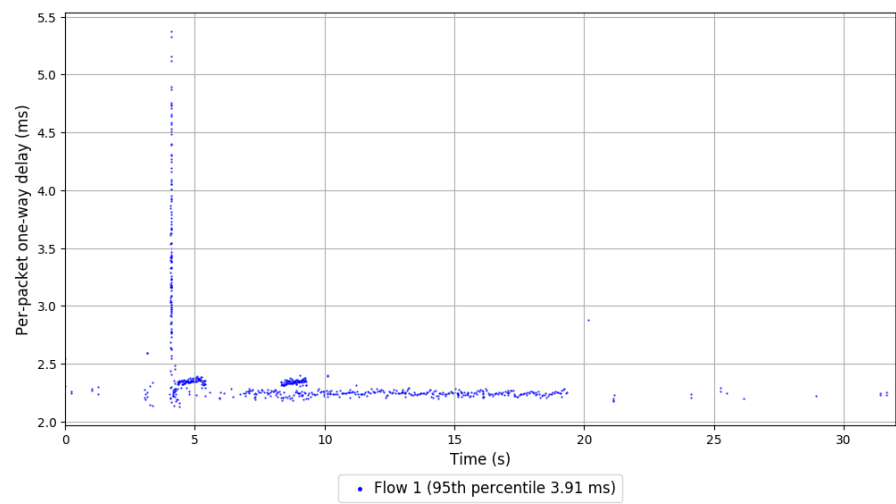
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-03-27 06:15:05
End at: 2018-03-27 06:15:35
Local clock offset: -5.713 ms
Remote clock offset: -6.339 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.173 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

Flow 1 ingress (mean 0.06 Mbit/s)　　　Flow 1 egress (mean 0.06 Mbit/s)

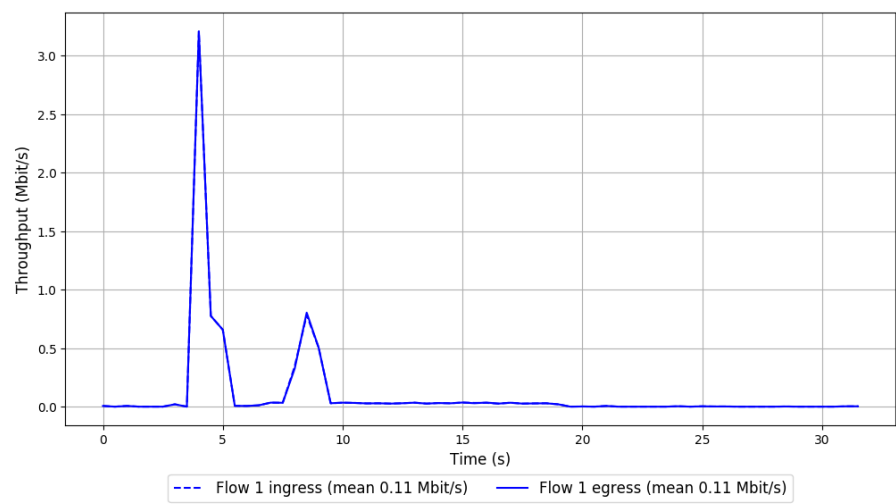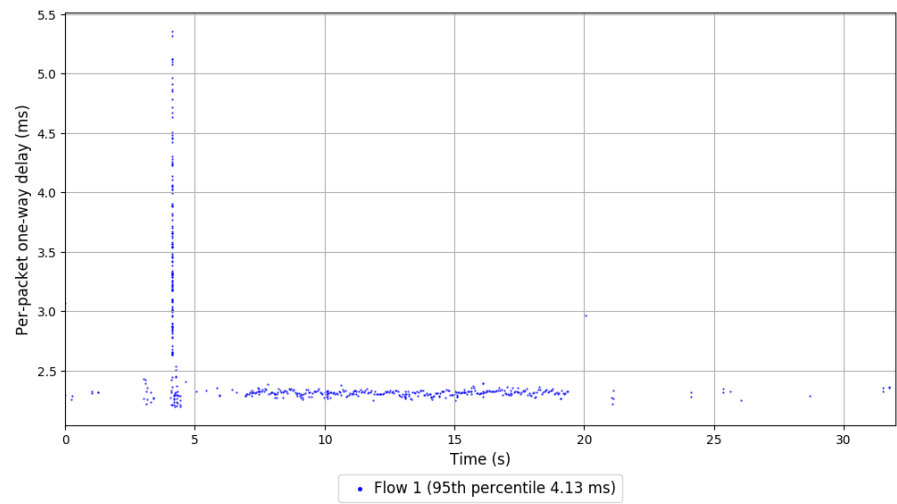
Flow 1 (95th percentile 4.17 ms)

```
Run 8: Statistics of WebRTC media

Start at: 2018-03-27 06:35:29
End at: 2018-03-27 06:35:59
Local clock offset: -5.647 ms
Remote clock offset: -6.169 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 3.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 3.909 ms
Loss rate: 0.00%
```
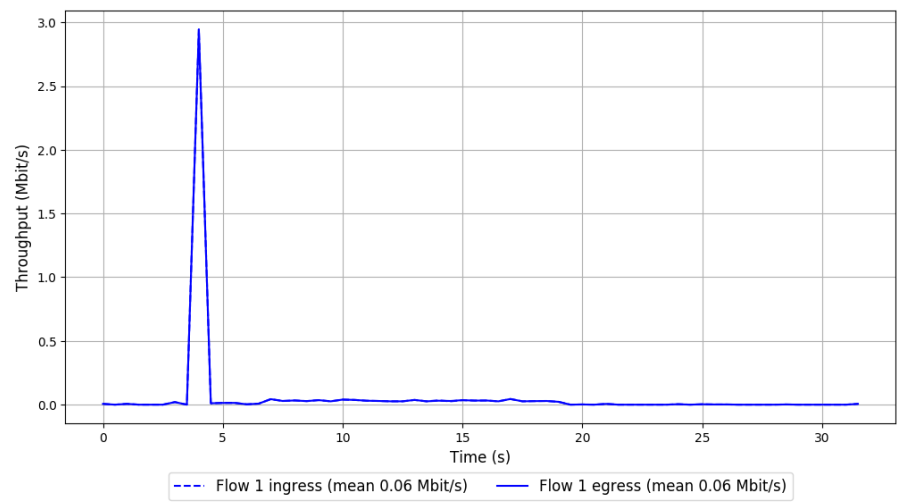
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-03-27 06:55:53
End at: 2018-03-27 06:56:23
Local clock offset: -5.704 ms
Remote clock offset: -6.432 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.135 ms
Loss rate: 0.00%
```
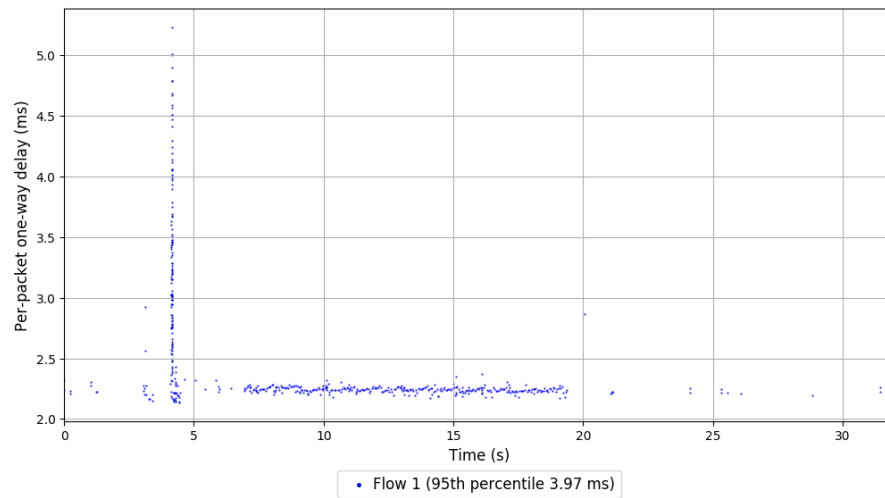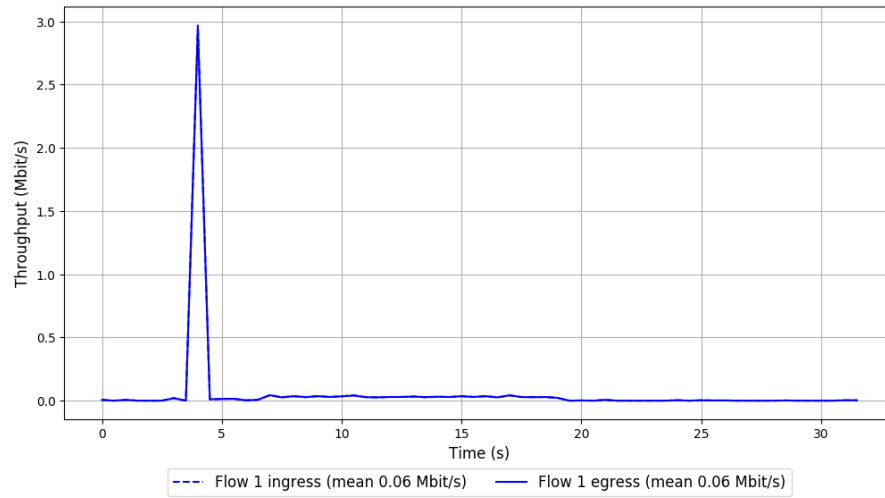
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-03-27 07:16:16
End at: 2018-03-27 07:16:46
Local clock offset: -7.007 ms
Remote clock offset: -6.318 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.972 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.972 ms
Loss rate: 0.69%
```

Run 10: Report of WebRTC media — Data Link

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```
Run 1: Statistics of Sprout

Start at: 2018-03-27 04:06:15
End at: 2018-03-27 04:06:45
Local clock offset: -6.882 ms
Remote clock offset: -7.989 ms


# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.682 ms
Loss rate: 0.00%
```
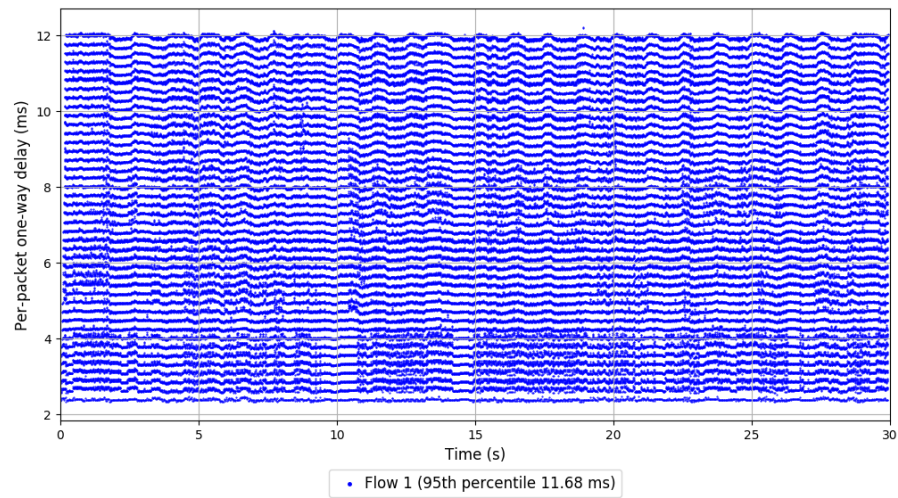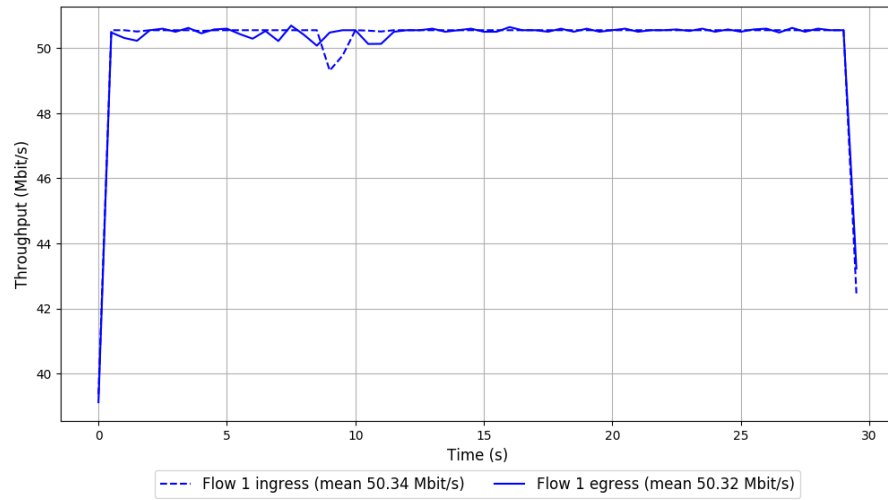
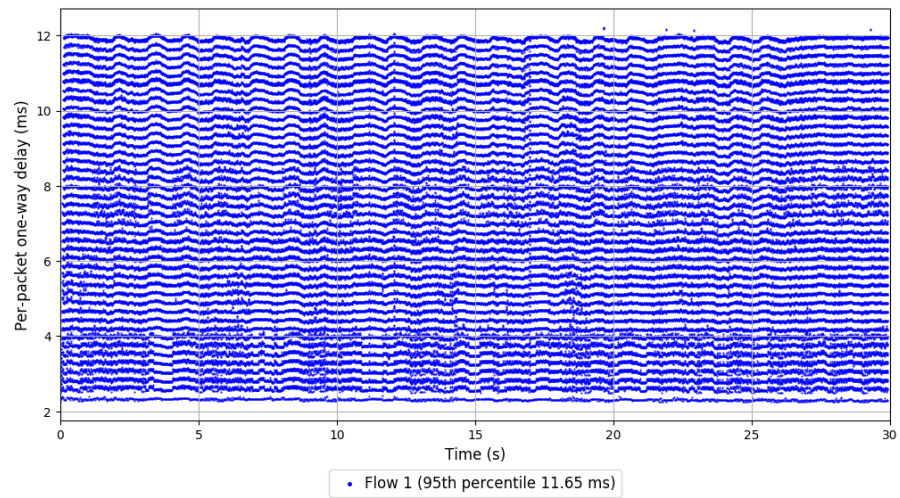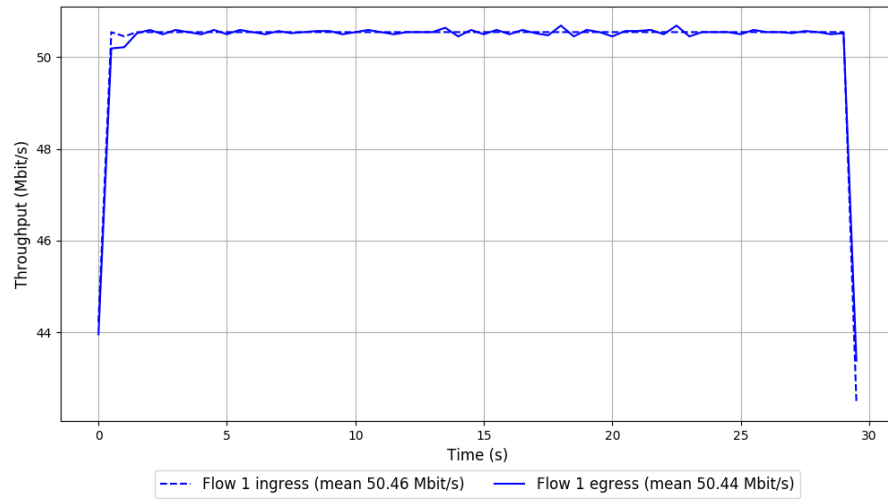Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-03-27 04:26:34
End at: 2018-03-27 04:27:04
Local clock offset: -5.893 ms
Remote clock offset: -7.552 ms

# Below is generated by plot.py at 2018-03-27 08:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 11.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 11.654 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 50.46 Mbit/s)   Flow 1 egress (mean 50.44 Mbit/s)

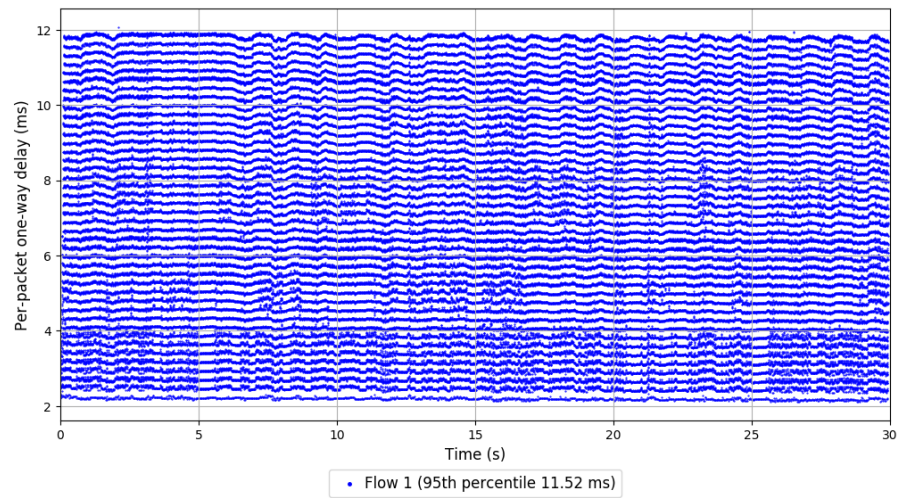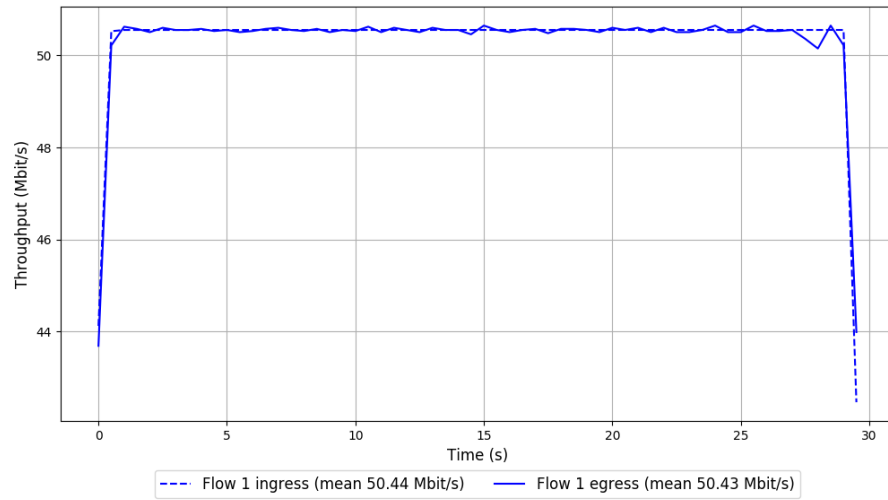Flow 1 (95th percentile 11.65 ms)

```
Run 3: Statistics of Sprout

Start at: 2018-03-27 04:46:58
End at: 2018-03-27 04:47:28
Local clock offset: -5.823 ms
Remote clock offset: -6.643 ms


# Below is generated by plot.py at 2018-03-27 08:00:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.43 Mbit/s
95th percentile per-packet one-way delay: 11.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.43 Mbit/s
95th percentile per-packet one-way delay: 11.524 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 50.44 Mbit/s)   Flow 1 egress (mean 50.43 Mbit/s)

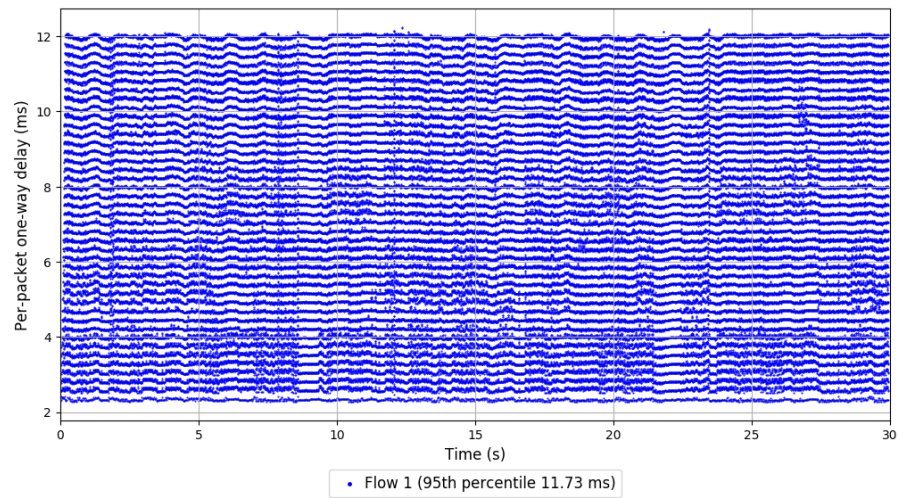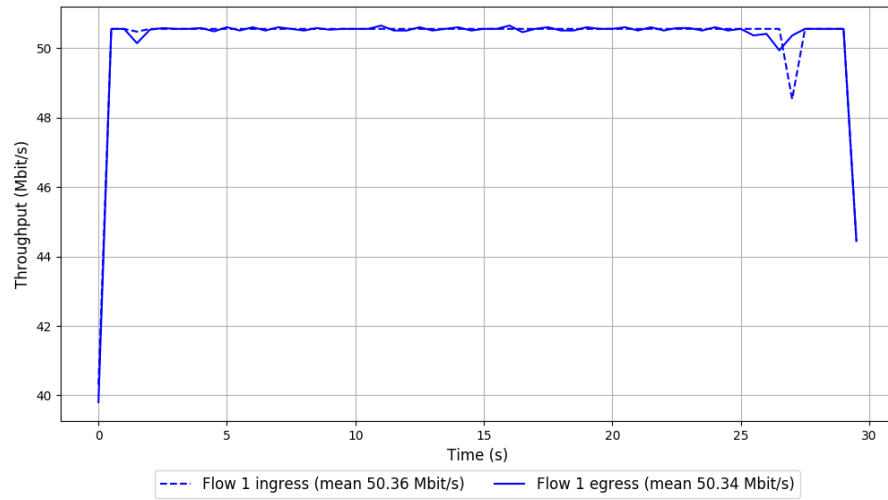Flow 1 (95th percentile 11.52 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-03-27 05:07:18
End at: 2018-03-27 05:07:48
Local clock offset: -6.876 ms
Remote clock offset: -6.865 ms


# Below is generated by plot.py at 2018-03-27 08:00:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.729 ms
Loss rate: 0.00%
```

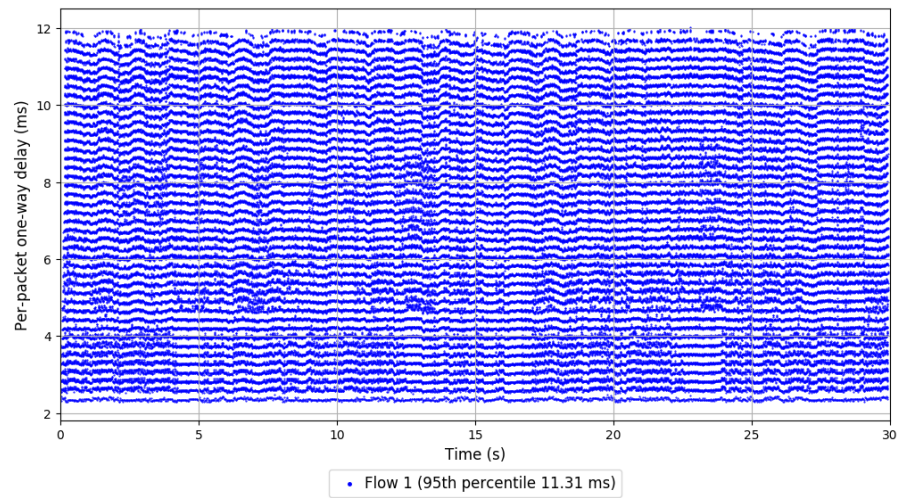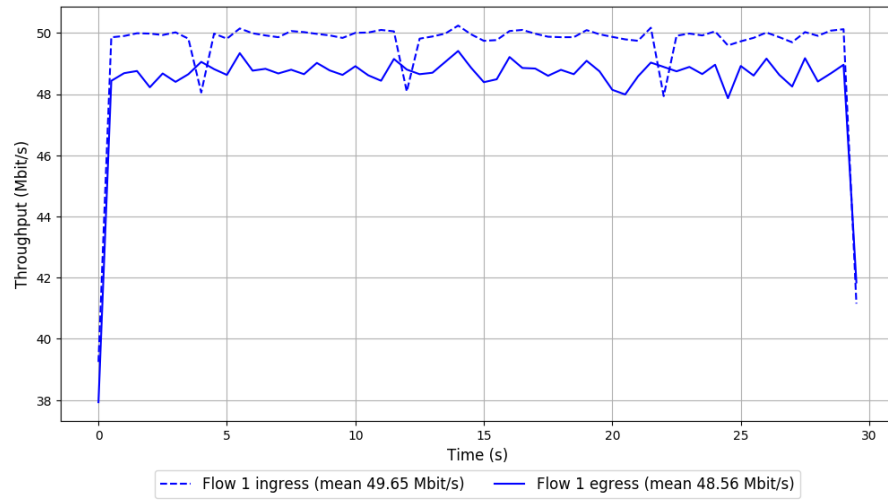Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2018-03-27 05:27:39
End at: 2018-03-27 05:28:09
Local clock offset: -6.826 ms
Remote clock offset: -7.003 ms


# Below is generated by plot.py at 2018-03-27 08:00:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 11.309 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 11.309 ms
Loss rate: 2.18%
```

Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 49.65 Mbit/s) —— Flow 1 egress (mean 48.56 Mbit/s)

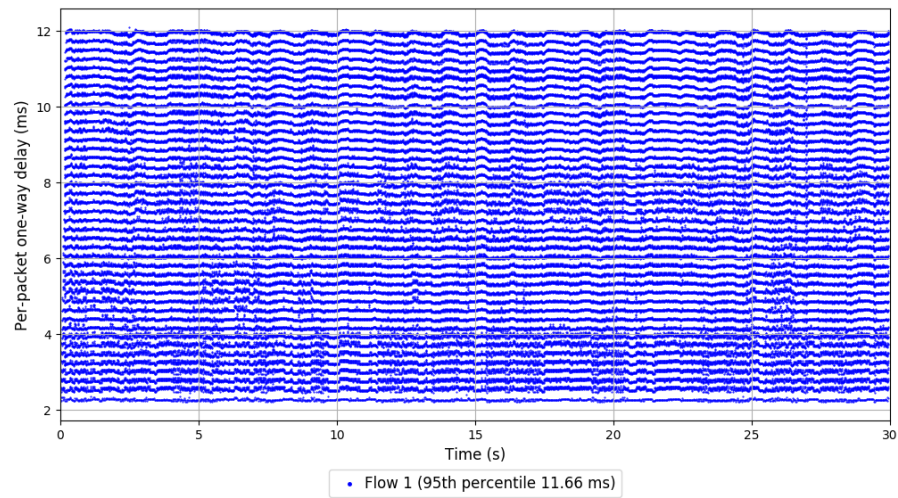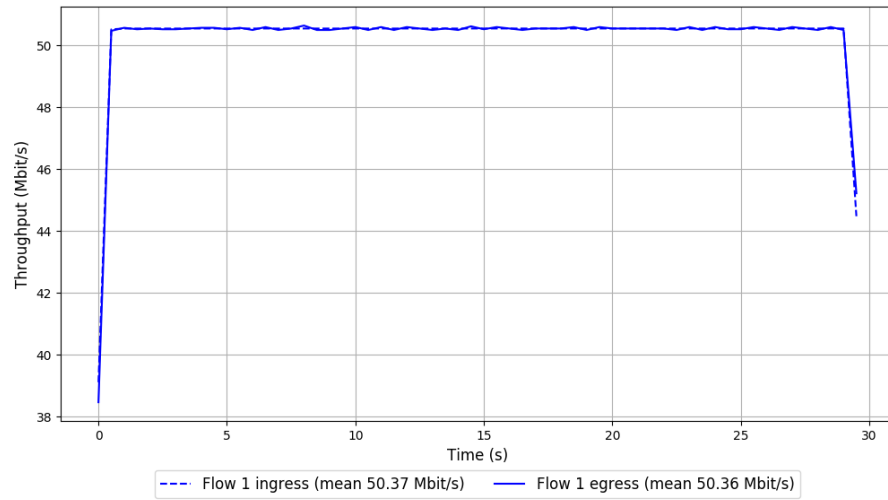• Flow 1 (95th percentile 11.31 ms)

```
Run 6: Statistics of Sprout

Start at: 2018-03-27 05:48:02
End at: 2018-03-27 05:48:32
Local clock offset: -6.729 ms
Remote clock offset: -6.531 ms


# Below is generated by plot.py at 2018-03-27 08:00:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.665 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 50.37 Mbit/s) - - - -   Flow 1 egress (mean 50.36 Mbit/s) ———
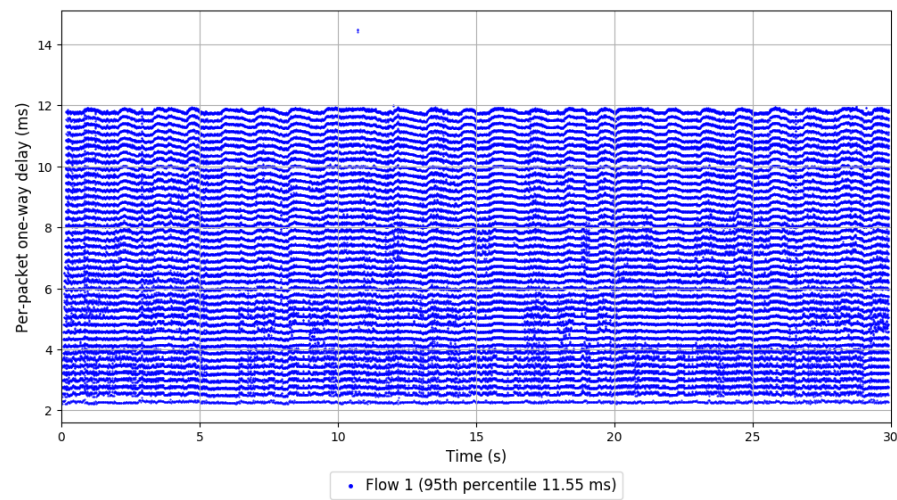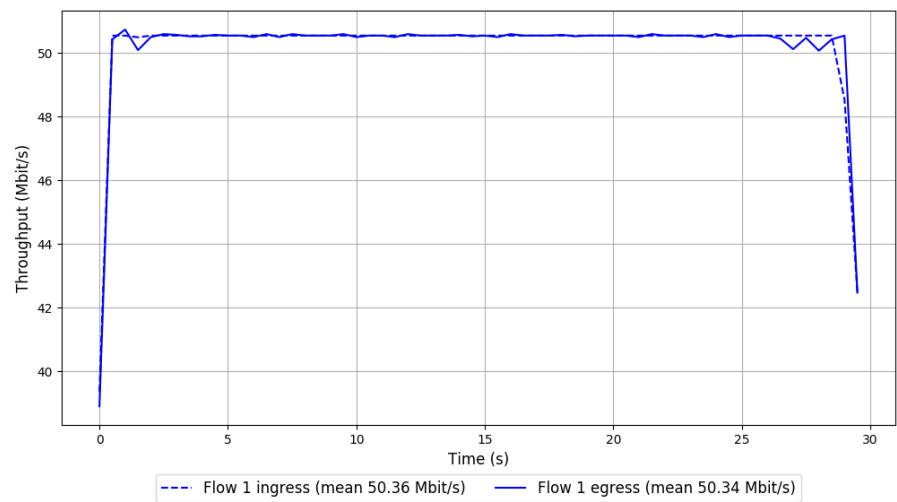

• Flow 1 (95th percentile 11.66 ms)

```
Run 7: Statistics of Sprout

Start at: 2018-03-27 06:08:23
End at: 2018-03-27 06:08:53
Local clock offset: -5.776 ms
Remote clock offset: -6.374 ms


# Below is generated by plot.py at 2018-03-27 08:01:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.547 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 50.36 Mbit/s)   Flow 1 egress (mean 50.34 Mbit/s)

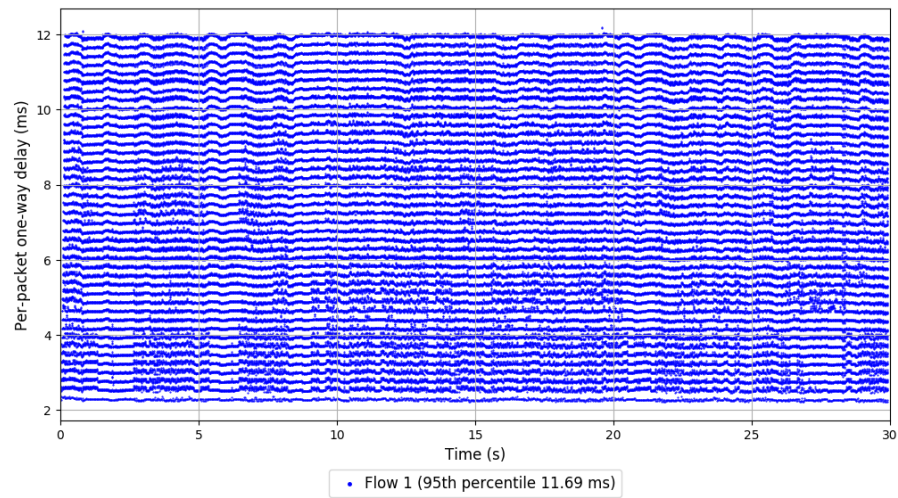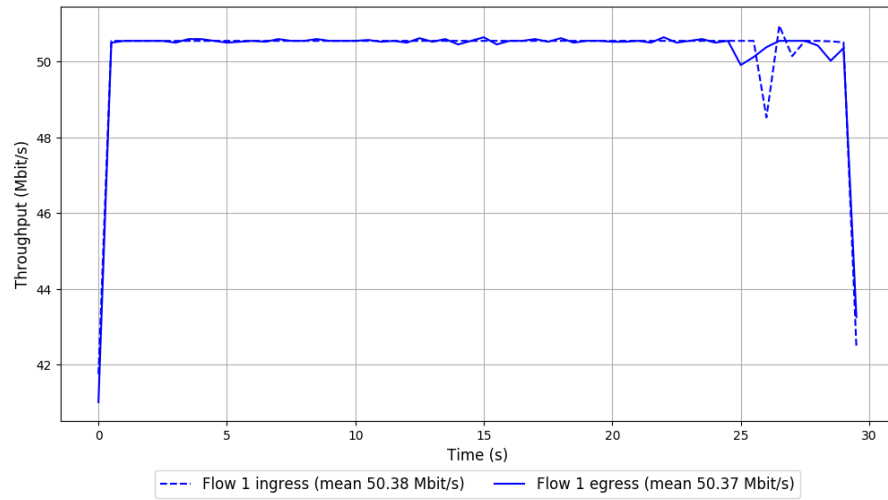• Flow 1 (95th percentile 11.55 ms)

```
Run 8: Statistics of Sprout

Start at: 2018-03-27 06:28:48
End at: 2018-03-27 06:29:18
Local clock offset: -5.447 ms
Remote clock offset: -6.198 ms


# Below is generated by plot.py at 2018-03-27 08:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 11.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 11.689 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 50.38 Mbit/s)   Flow 1 egress (mean 50.37 Mbit/s)

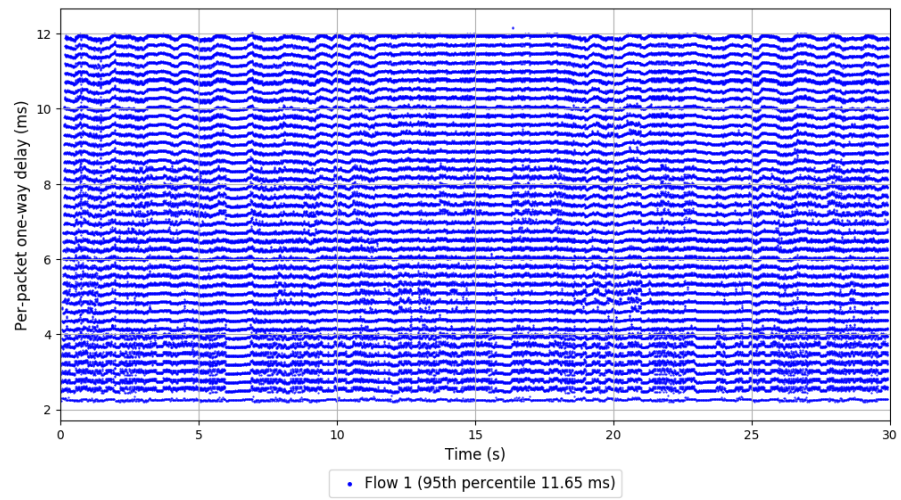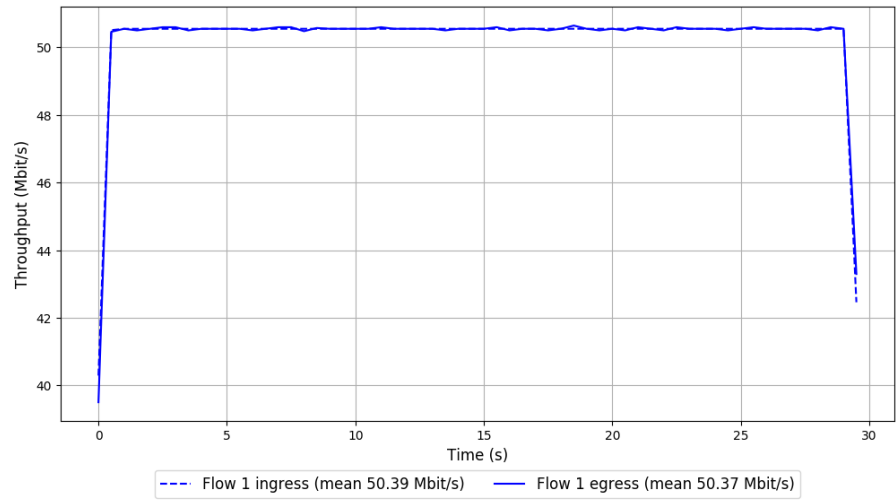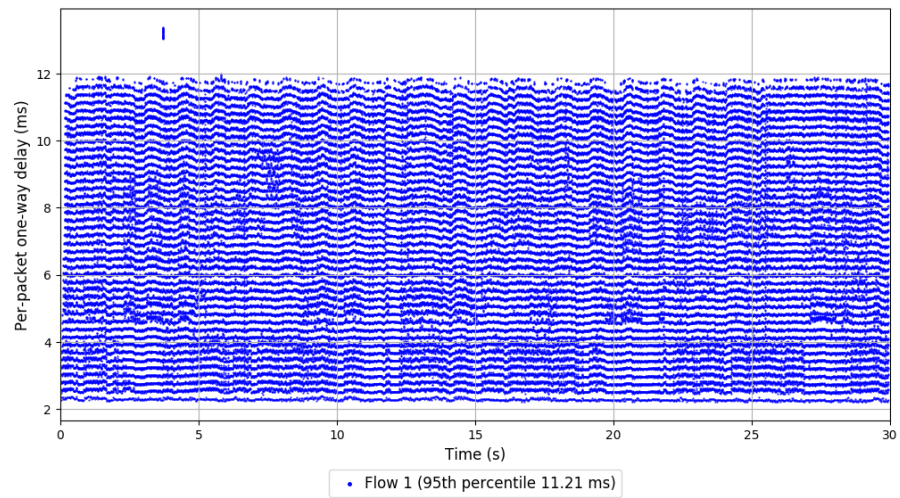• Flow 1 (95th percentile 11.69 ms)

```
Run 9: Statistics of Sprout

Start at: 2018-03-27 06:49:12
End at: 2018-03-27 06:49:42
Local clock offset: -5.659 ms
Remote clock offset: -6.435 ms


# Below is generated by plot.py at 2018-03-27 08:01:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 11.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 11.653 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 50.39 Mbit/s)   Flow 1 egress (mean 50.37 Mbit/s)
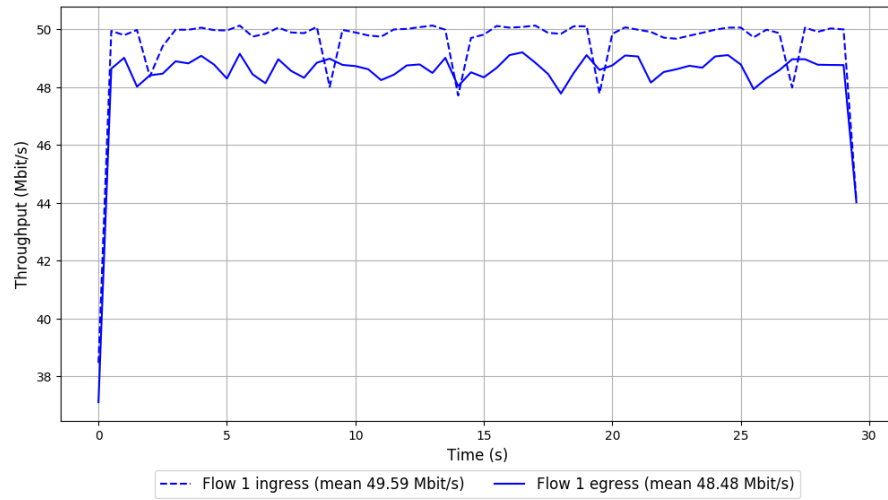

Flow 1 (95th percentile 11.65 ms)

```
Run 10: Statistics of Sprout

Start at: 2018-03-27 07:09:35
End at: 2018-03-27 07:10:05
Local clock offset: -6.584 ms
Remote clock offset: -6.429 ms


# Below is generated by plot.py at 2018-03-27 08:01:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 11.212 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 11.212 ms
Loss rate: 2.21%
```
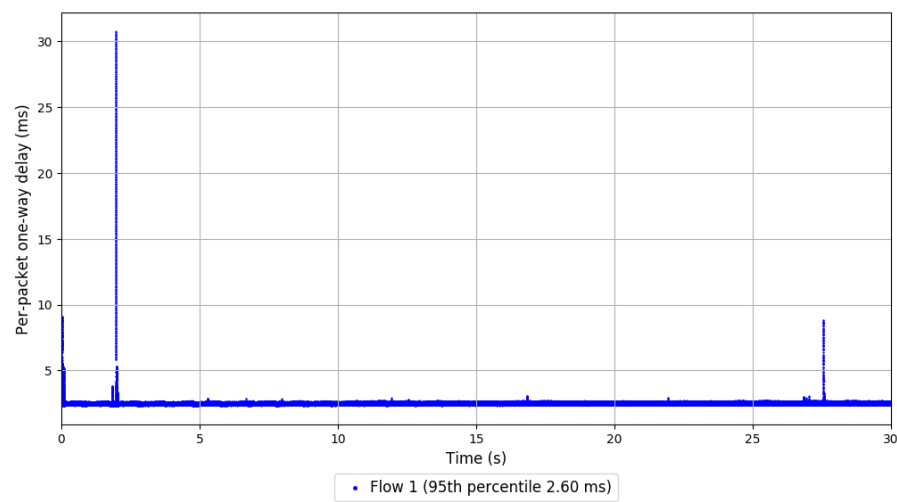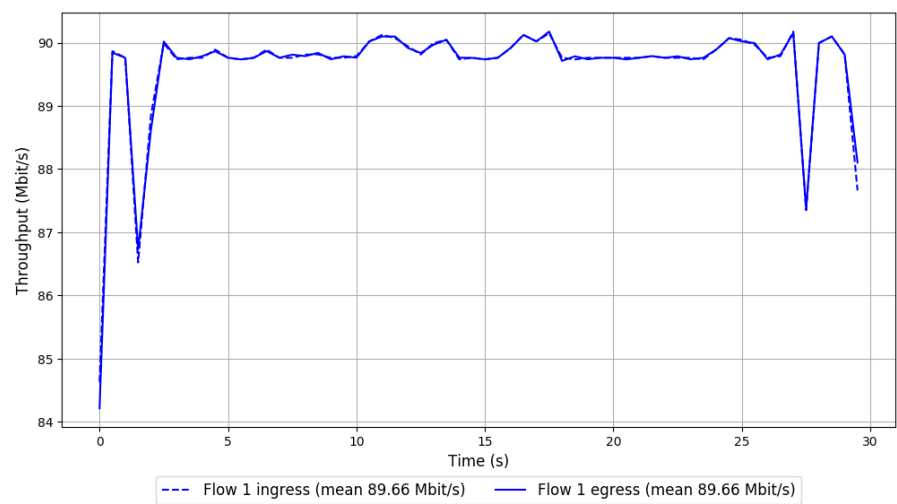
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 49.59 Mbit/s) --- Flow 1 egress (mean 48.48 Mbit/s)
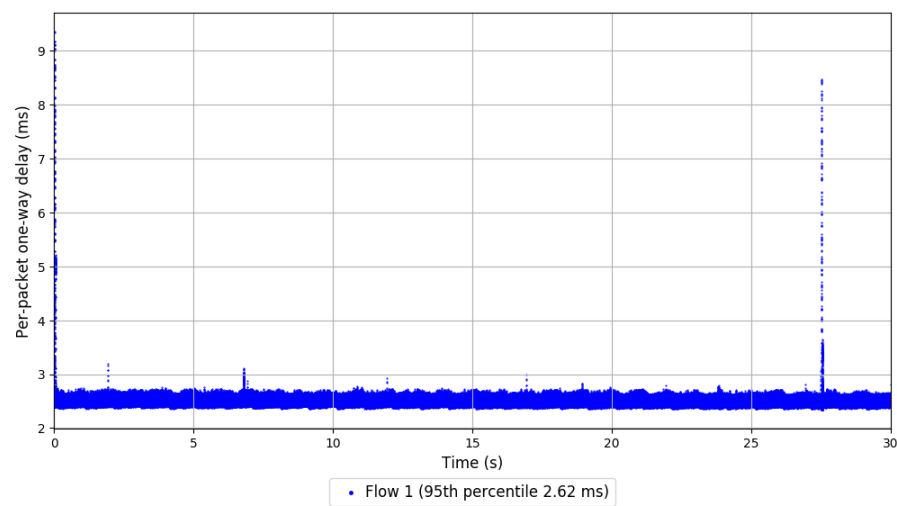

Flow 1 (95th percentile 11.21 ms)

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

Start at: 2018-03-27 04:16:13
End at: 2018-03-27 04:16:43
Local clock offset: -6.349 ms
Remote clock offset: -8.146 ms


# Below is generated by plot.py at 2018-03-27 08:03:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 2.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 2.597 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 89.66 Mbit/s)   Flow 1 egress (mean 89.66 Mbit/s)
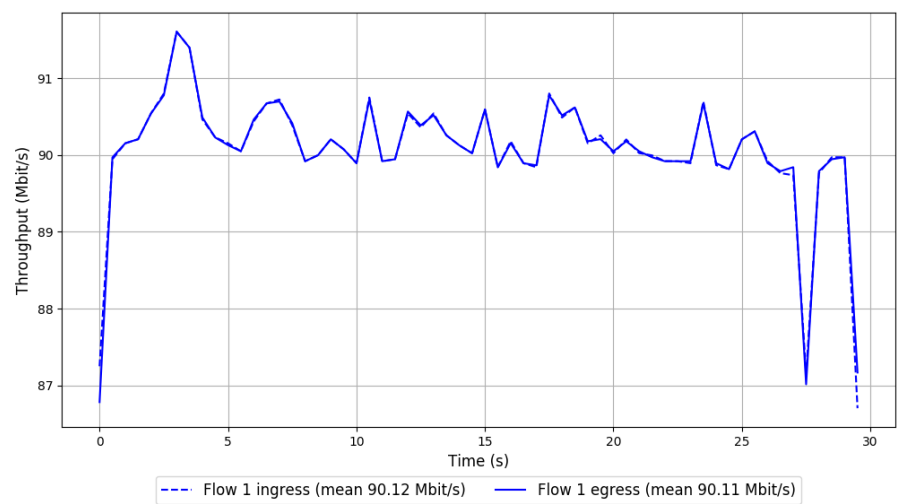

Flow 1 (95th percentile 2.60 ms)

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

Start at: 2018-03-27 04:36:37
End at: 2018-03-27 04:37:07
Local clock offset: -5.728 ms
Remote clock offset: -6.863 ms

# Below is generated by plot.py at 2018-03-27 08:03:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 2.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 2.616 ms
Loss rate: 0.00%
```
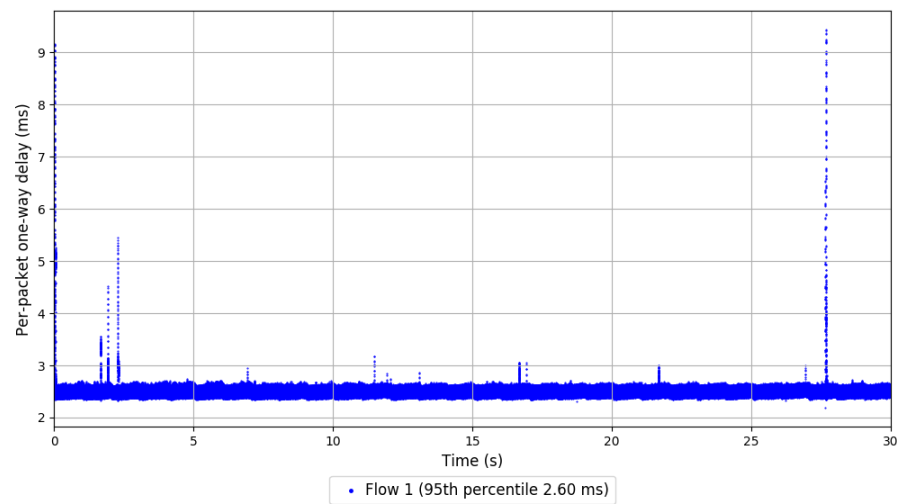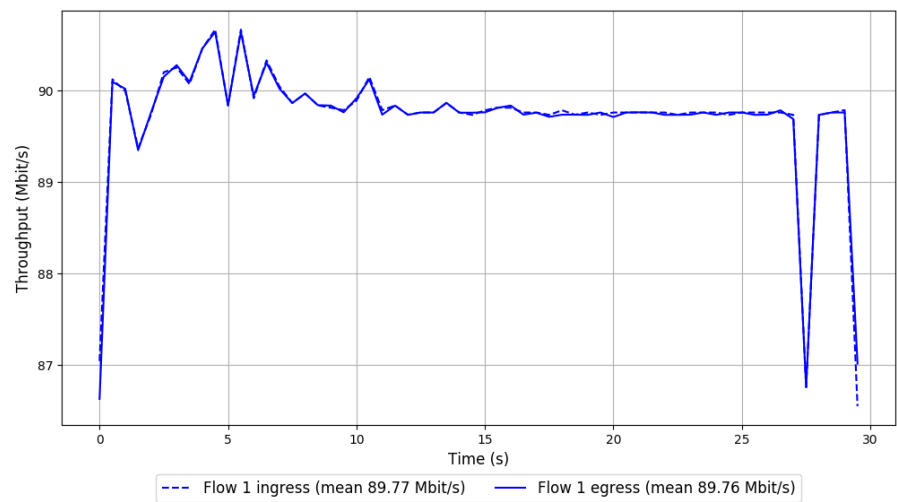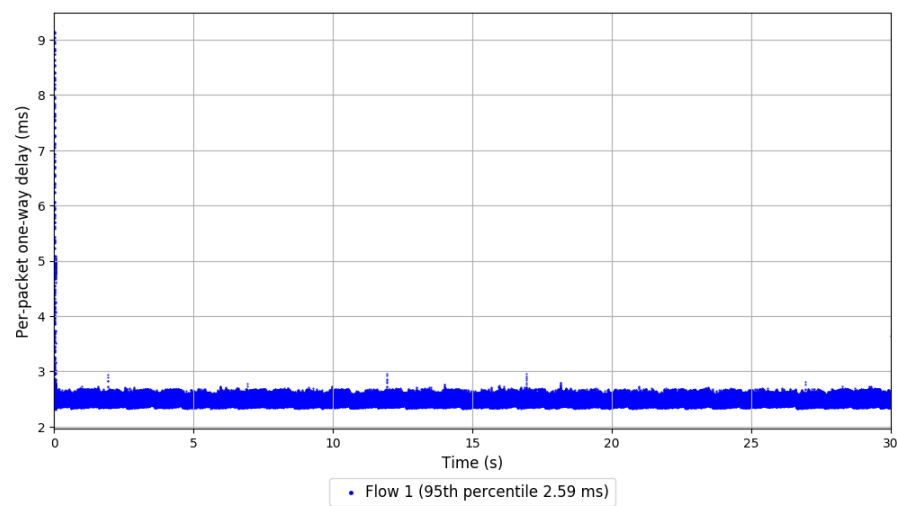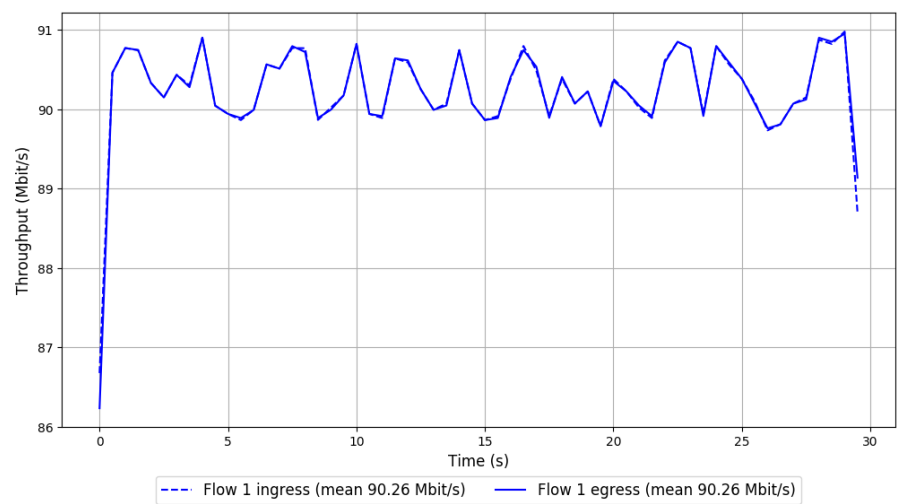
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 90.12 Mbit/s)   Flow 1 egress (mean 90.11 Mbit/s)

Flow 1 (95th percentile 2.62 ms)

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

Start at: 2018-03-27 04:56:56
End at: 2018-03-27 04:57:26
Local clock offset: -6.62 ms
Remote clock offset: -6.515 ms


# Below is generated by plot.py at 2018-03-27 08:03:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 2.595 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 2.595 ms
Loss rate: 0.01%
```
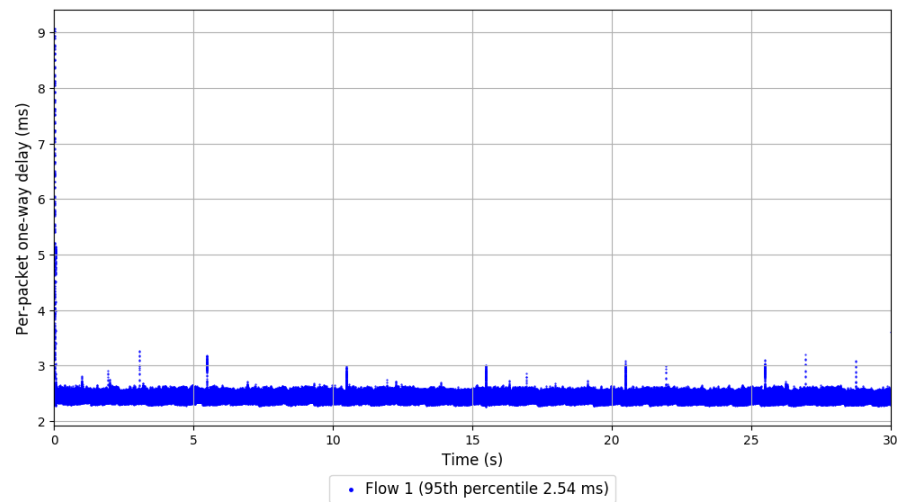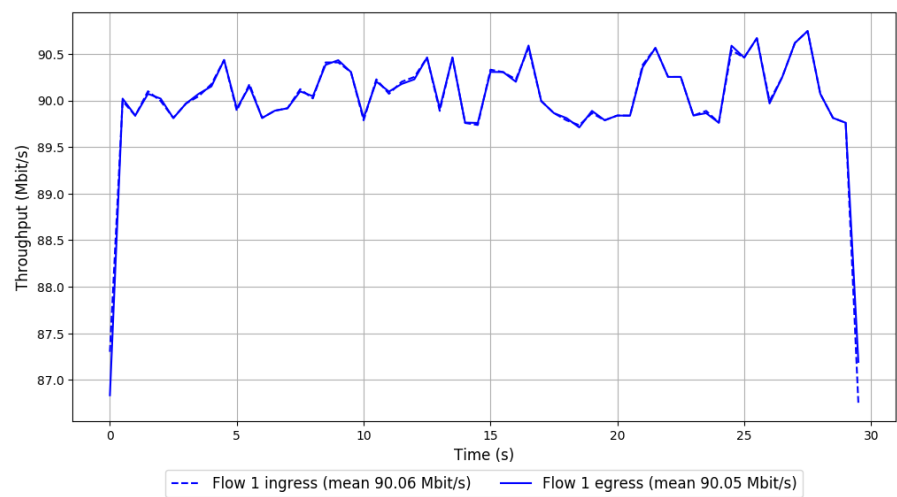
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.77 Mbit/s)   Flow 1 egress (mean 89.76 Mbit/s)

Flow 1 (95th percentile 2.60 ms)

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

Start at: 2018-03-27 05:17:18
End at: 2018-03-27 05:17:48
Local clock offset: -7.049 ms
Remote clock offset: -6.961 ms


# Below is generated by plot.py at 2018-03-27 08:03:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 2.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 2.588 ms
Loss rate: 0.00%
```

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

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

Start at: 2018-03-27 05:37:41
End at: 2018-03-27 05:38:11
Local clock offset: -6.739 ms
Remote clock offset: -6.675 ms

# Below is generated by plot.py at 2018-03-27 08:03:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.05 Mbit/s
95th percentile per-packet one-way delay: 2.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.05 Mbit/s
95th percentile per-packet one-way delay: 2.537 ms
Loss rate: 0.00%
```
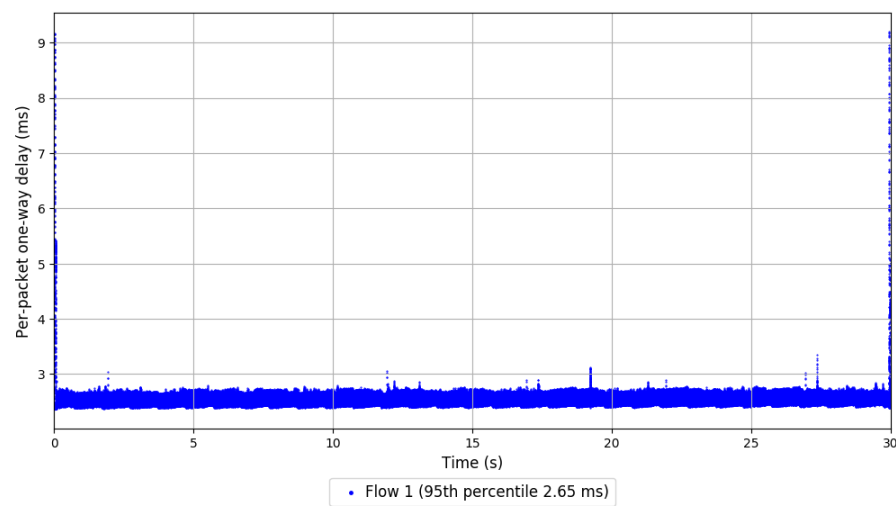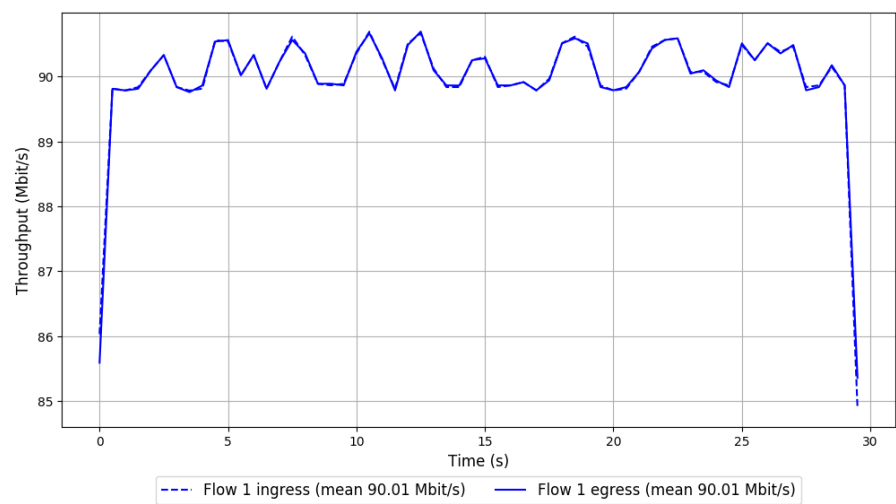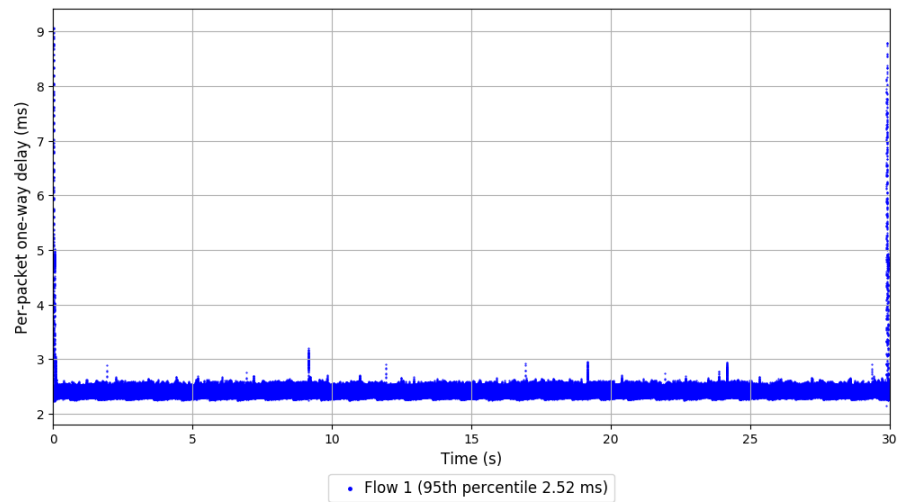
Run 5: Report of TaoVA-100x — Data Link

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

Start at: 2018-03-27 05:58:02
End at: 2018-03-27 05:58:32
Local clock offset: -6.328 ms
Remote clock offset: -6.366 ms


# Below is generated by plot.py at 2018-03-27 08:03:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 2.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 2.653 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 90.01 Mbit/s)   Flow 1 egress (mean 90.01 Mbit/s)

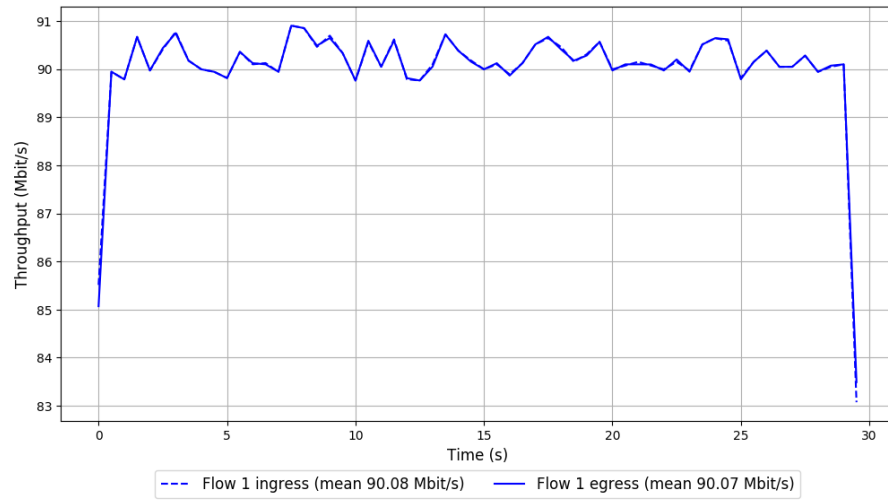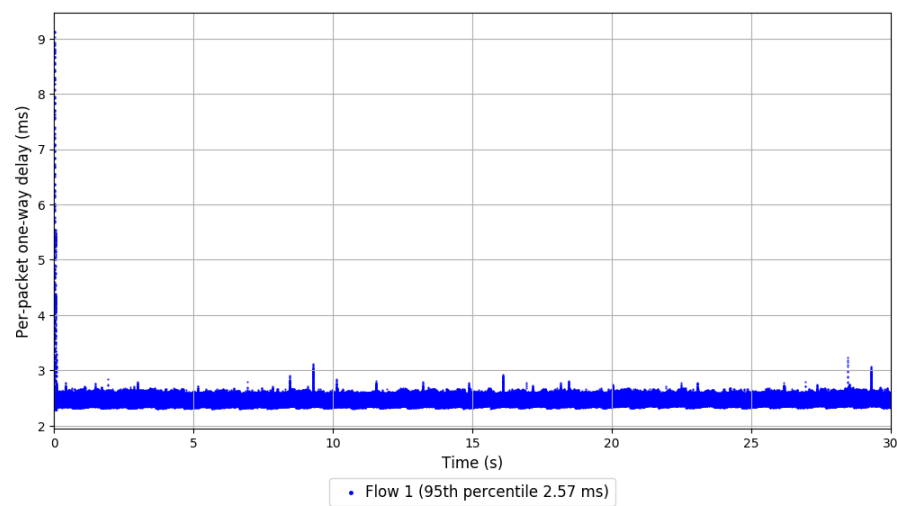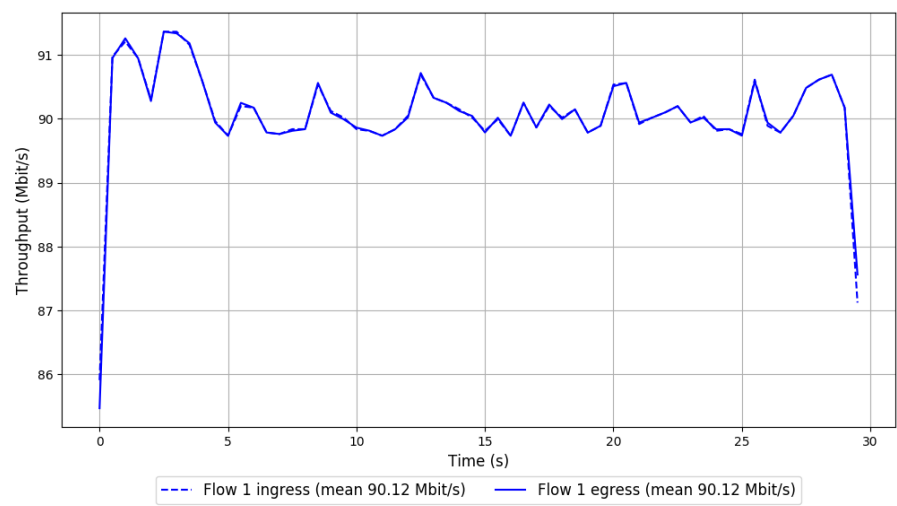

Flow 1 (95th percentile 2.65 ms)

175

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

Start at: 2018-03-27 06:18:26
End at: 2018-03-27 06:18:56
Local clock offset: -5.582 ms
Remote clock offset: -6.336 ms


# Below is generated by plot.py at 2018-03-27 08:03:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 2.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 2.519 ms
Loss rate: 0.00%
```
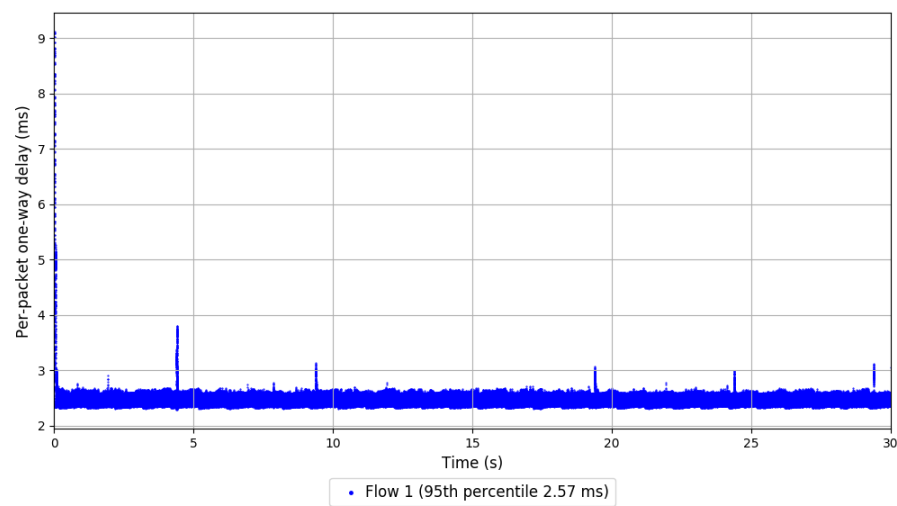
Run 7: Report of TaoVA-100x — Data Link

177

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

Start at: 2018-03-27 06:38:50
End at: 2018-03-27 06:39:20
Local clock offset: -5.683 ms
Remote clock offset: -6.165 ms


# Below is generated by plot.py at 2018-03-27 08:03:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 2.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 2.573 ms
Loss rate: 0.00%
```

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

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

Start at: 2018-03-27 06:59:14
End at: 2018-03-27 06:59:44
Local clock offset: -5.638 ms
Remote clock offset: -6.423 ms


# Below is generated by plot.py at 2018-03-27 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 0.00%
```
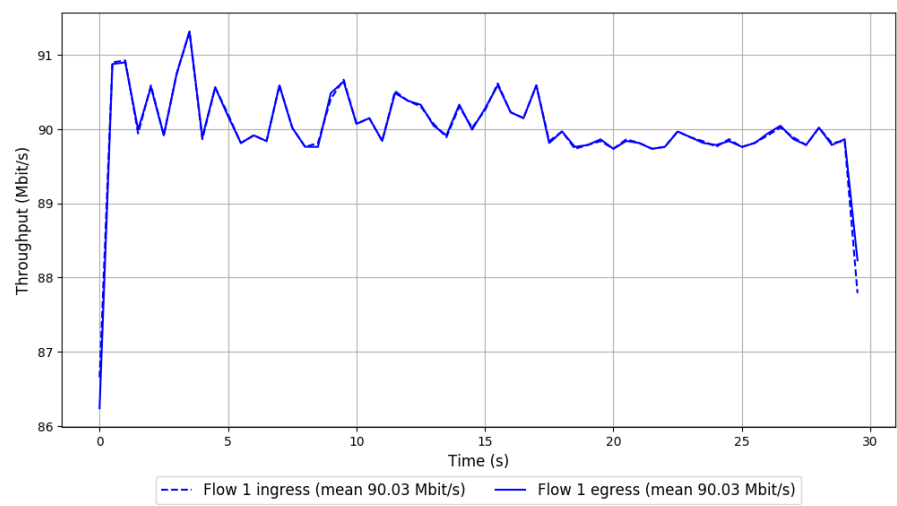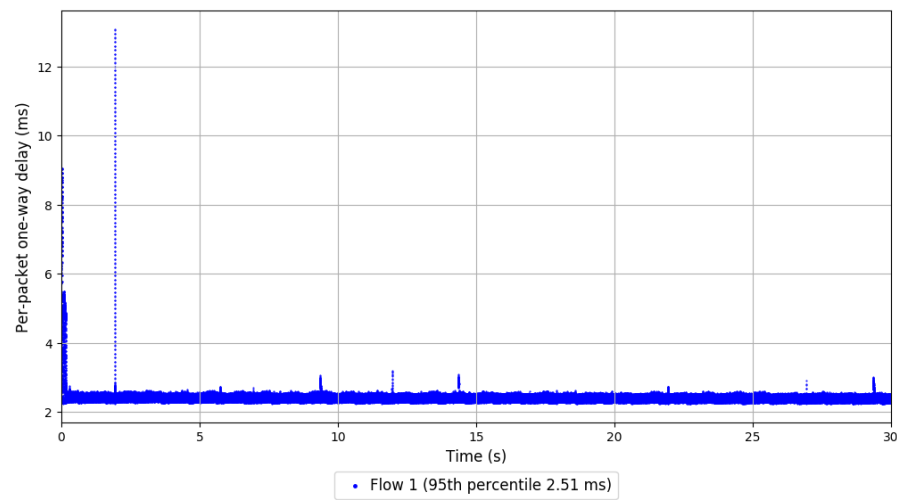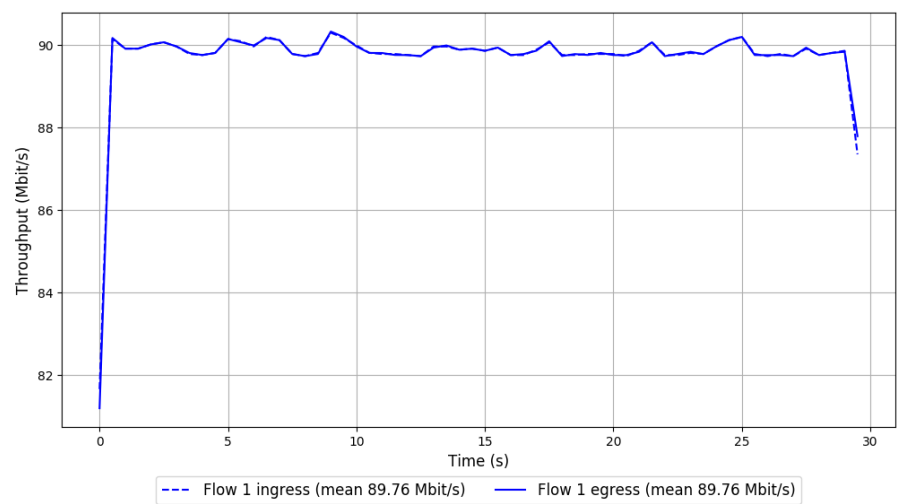
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 90.03 Mbit/s)   Flow 1 egress (mean 90.03 Mbit/s)

Flow 1 (95th percentile 2.57 ms)

181

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

Start at: 2018-03-27 07:19:37
End at: 2018-03-27 07:20:07
Local clock offset: -7.134 ms
Remote clock offset: -6.275 ms


# Below is generated by plot.py at 2018-03-27 08:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.00%
```
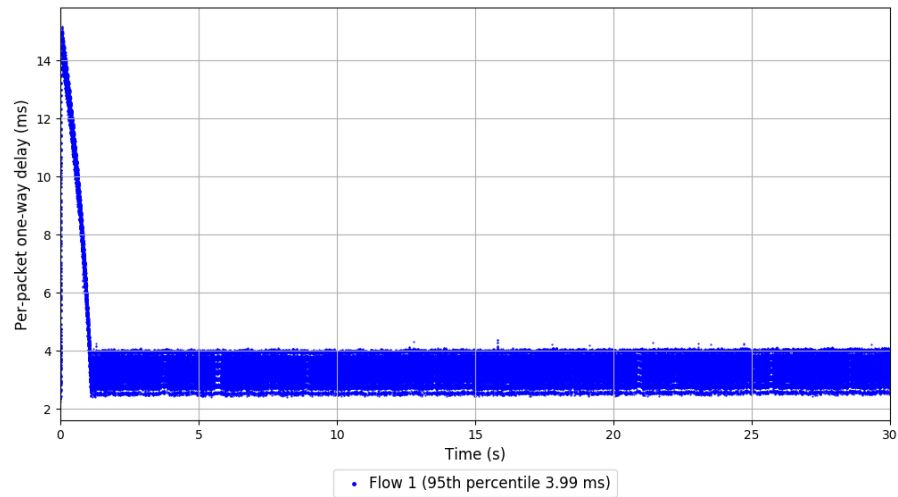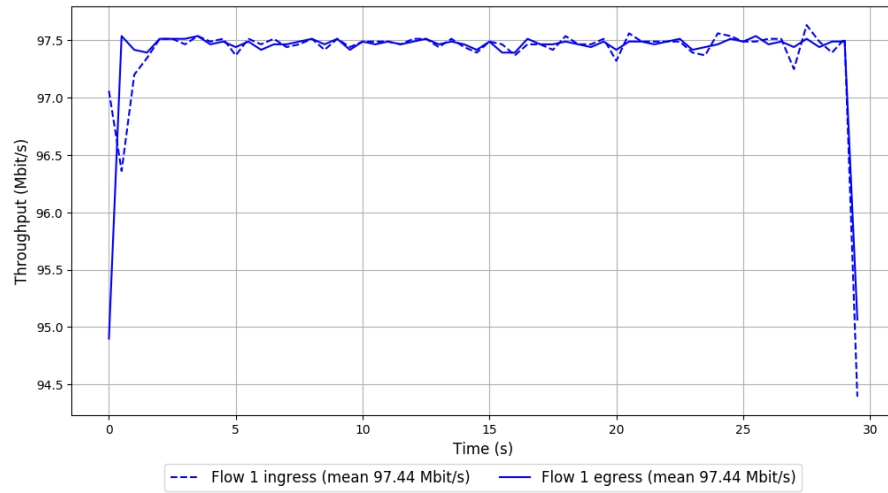
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.76 Mbit/s) --- Flow 1 egress (mean 89.76 Mbit/s)
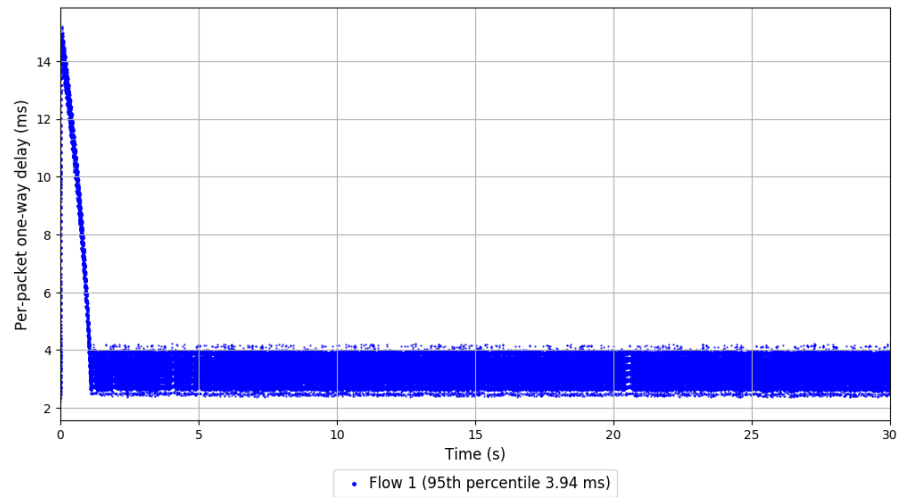

Flow 1 (95th percentile 2.51 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-03-27 04:13:56
End at: 2018-03-27 04:14:26
Local clock offset: -6.529 ms
Remote clock offset: -8.1 ms


# Below is generated by plot.py at 2018-03-27 08:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.988 ms
Loss rate: 0.00%
```

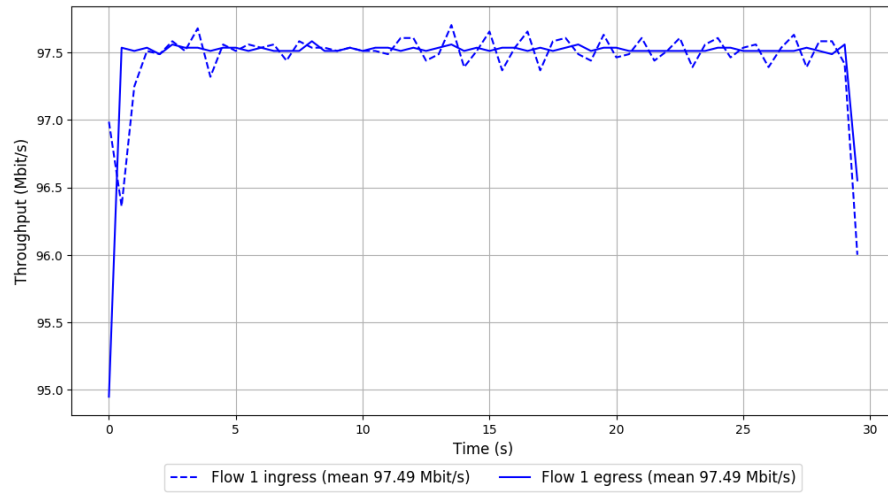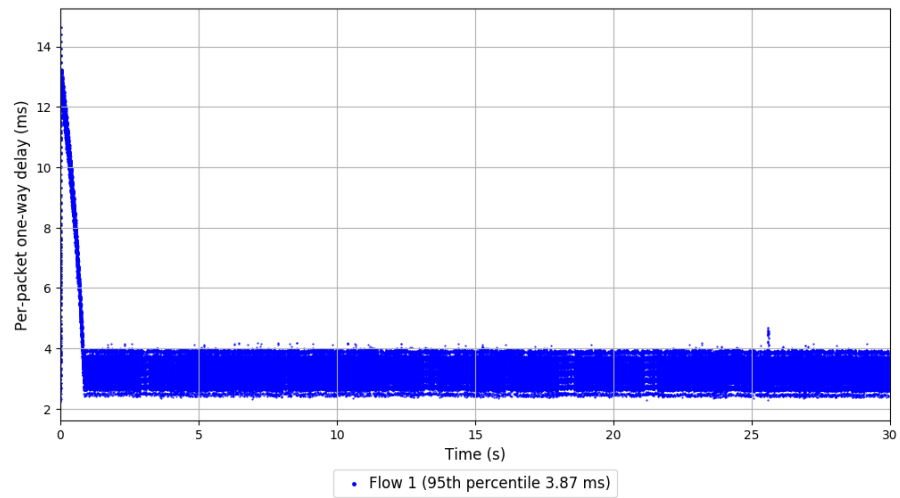# Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-03-27 04:34:20
End at: 2018-03-27 04:34:50
Local clock offset: -5.693 ms
Remote clock offset: -6.975 ms


# Below is generated by plot.py at 2018-03-27 08:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.936 ms
Loss rate: 0.00%
```
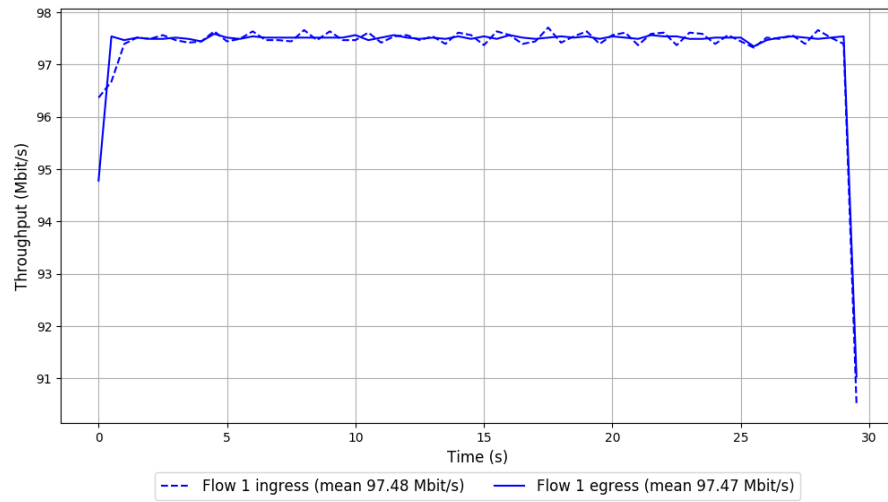
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-03-27 04:54:43
End at: 2018-03-27 04:55:13
Local clock offset: -6.482 ms
Remote clock offset: -6.481 ms


# Below is generated by plot.py at 2018-03-27 08:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.872 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.48 Mbit/s)   Flow 1 egress (mean 97.47 Mbit/s)

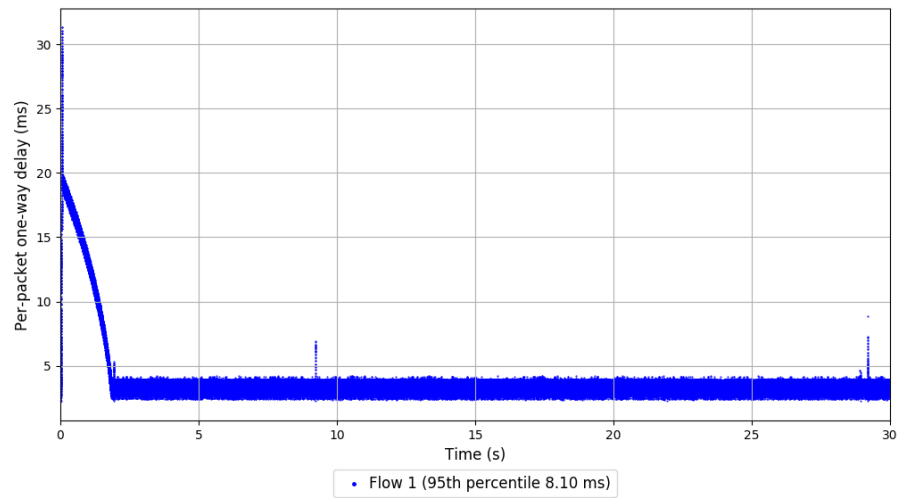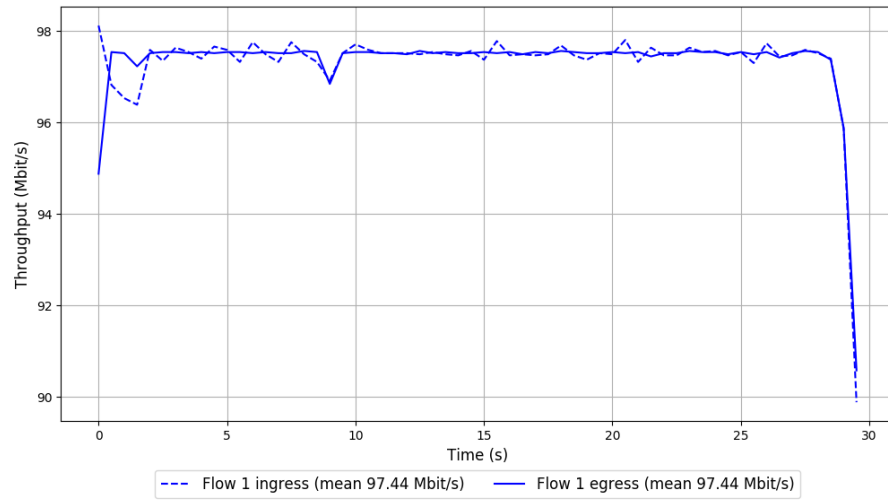
Flow 1 (95th percentile 3.87 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-03-27 05:15:00
End at: 2018-03-27 05:15:30
Local clock offset: -6.974 ms
Remote clock offset: -6.957 ms


# Below is generated by plot.py at 2018-03-27 08:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 8.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 8.100 ms
Loss rate: 0.00%
```
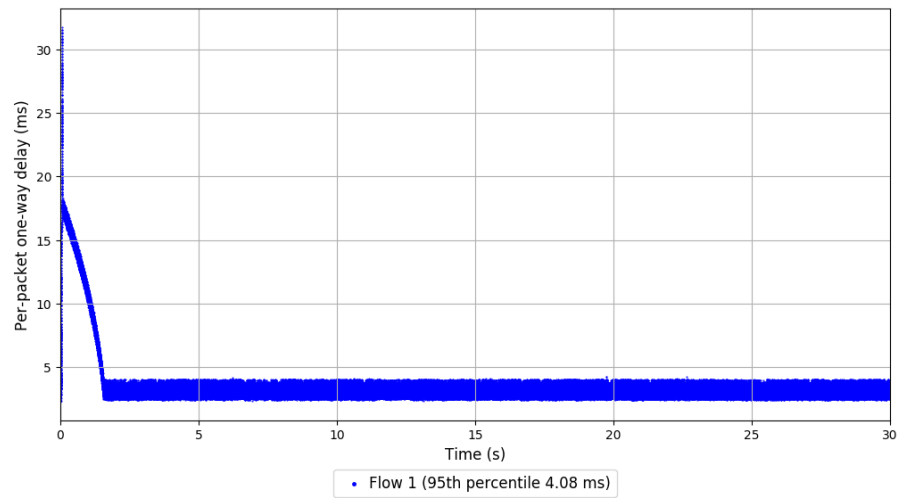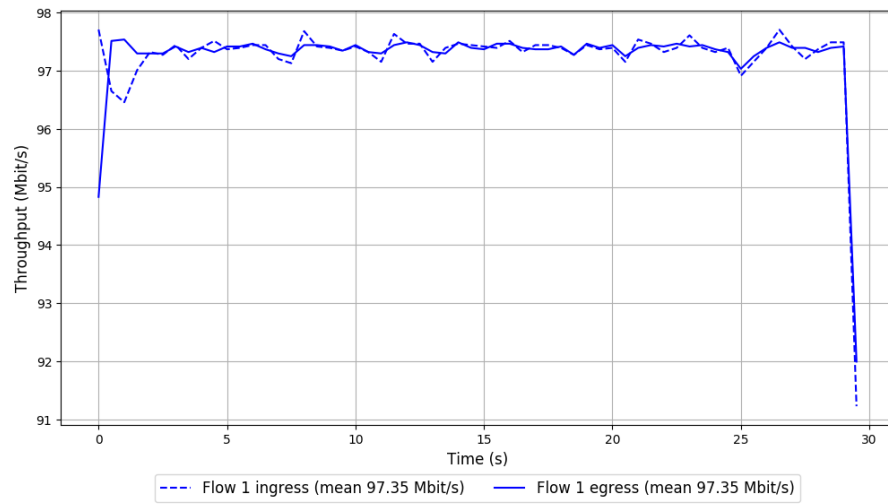
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2018-03-27 05:35:24
End at: 2018-03-27 05:35:54
Local clock offset: -6.82 ms
Remote clock offset: -6.764 ms


# Below is generated by plot.py at 2018-03-27 08:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 4.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 4.085 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: 2018-03-27 05:55:46
End at: 2018-03-27 05:56:16
Local clock offset: -6.517 ms
Remote clock offset: -6.39 ms


# Below is generated by plot.py at 2018-03-27 08:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 6.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 6.479 ms
Loss rate: 0.00%
```
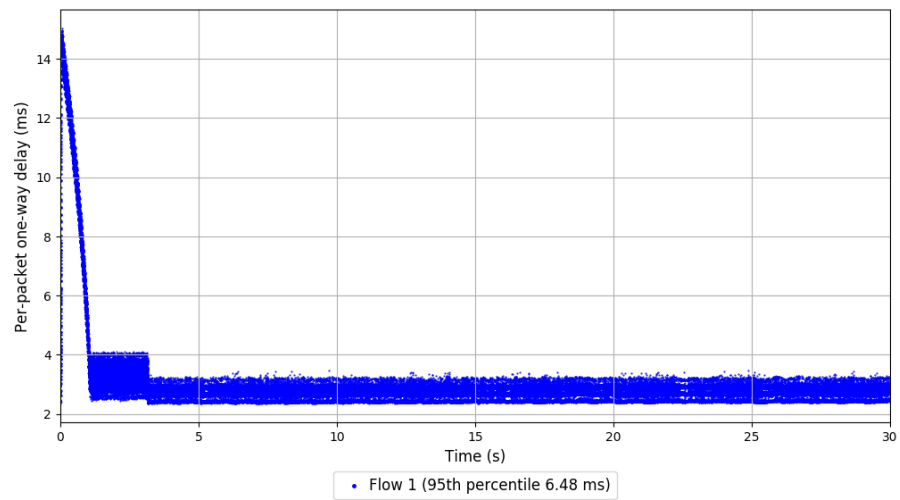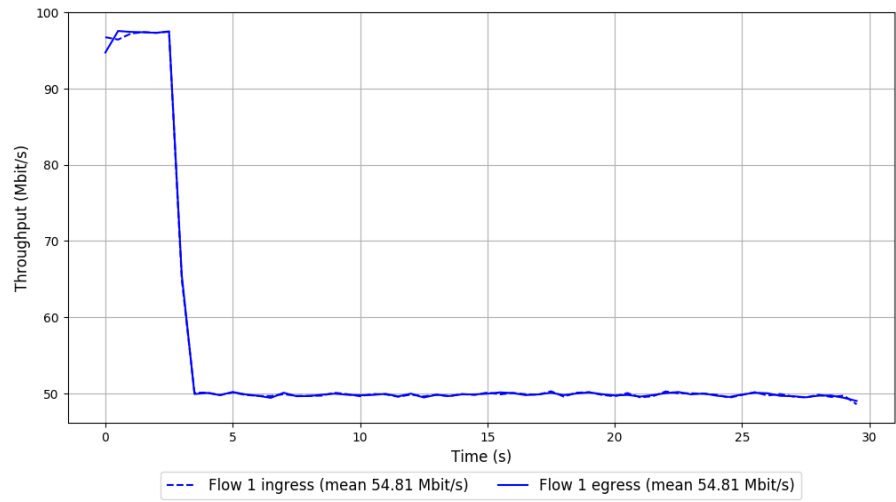
Run 6: Report of TCP Vegas — Data Link

195

```
Run 7: Statistics of TCP Vegas

Start at: 2018-03-27 06:16:09
End at: 2018-03-27 06:16:39
Local clock offset: -5.591 ms
Remote clock offset: -6.28 ms


# Below is generated by plot.py at 2018-03-27 08:05:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 5.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 5.519 ms
Loss rate: 0.00%
```
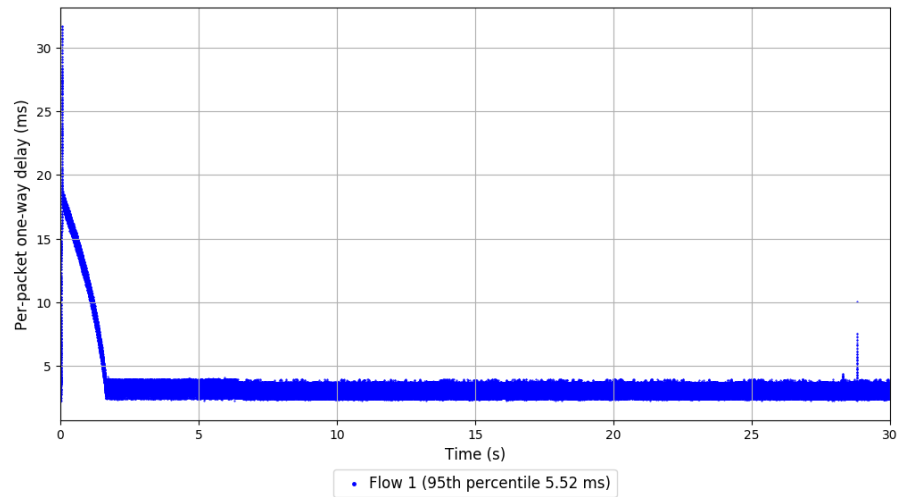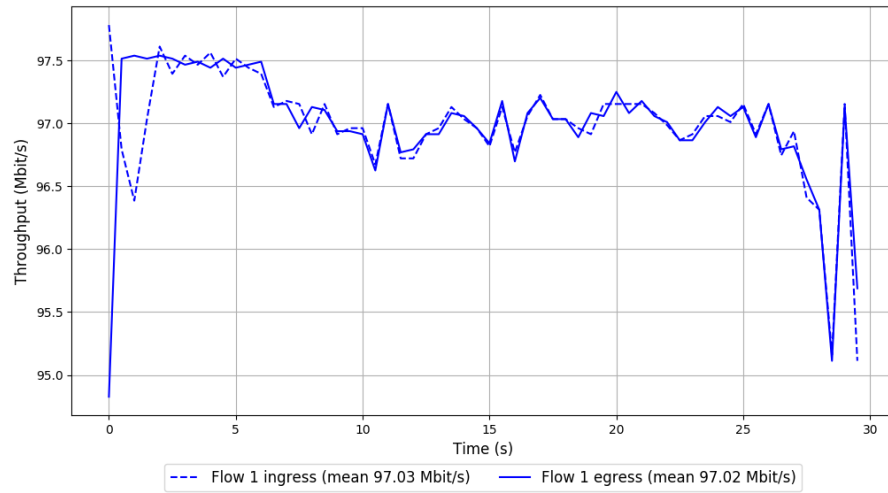
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.03 Mbit/s)   Flow 1 egress (mean 97.02 Mbit/s)

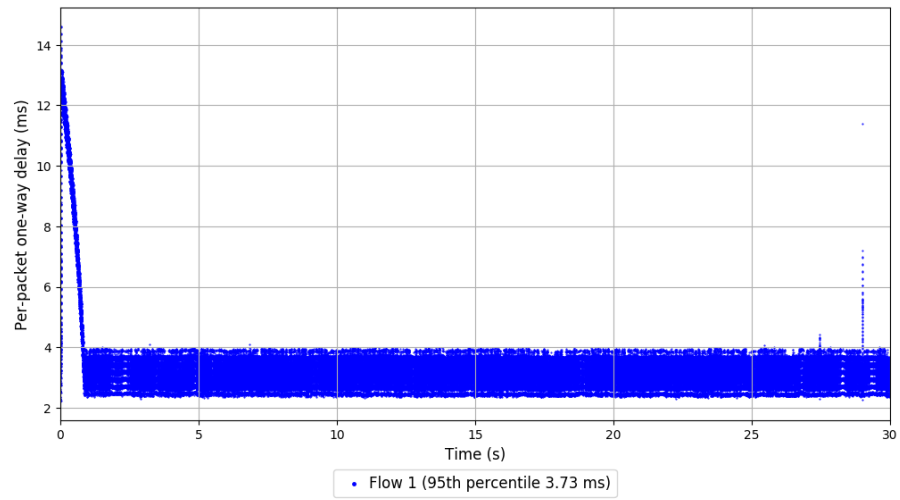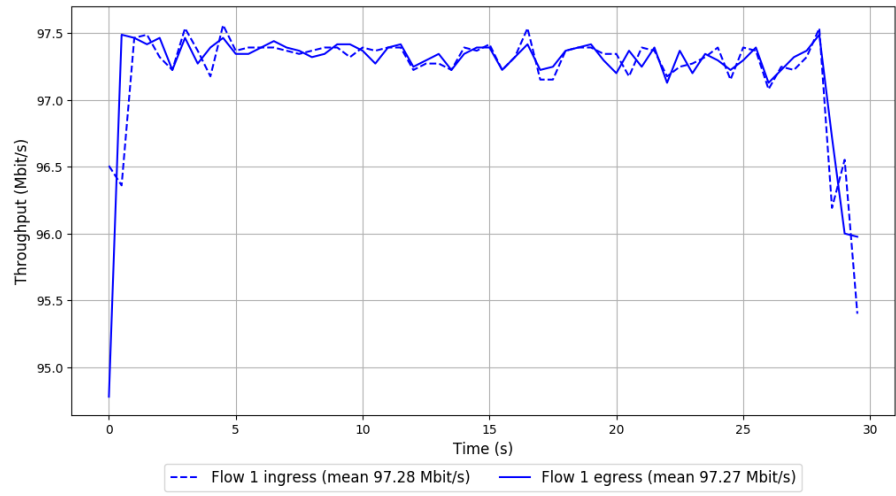Flow 1 (95th percentile 5.52 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-03-27 06:36:33
End at: 2018-03-27 06:37:03
Local clock offset: -5.642 ms
Remote clock offset: -6.163 ms


# Below is generated by plot.py at 2018-03-27 08:05:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 3.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 3.727 ms
Loss rate: 0.00%
```
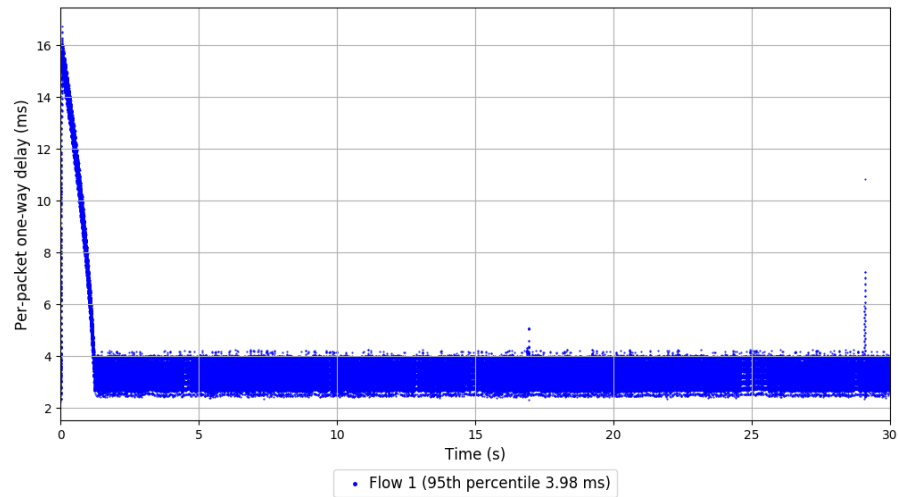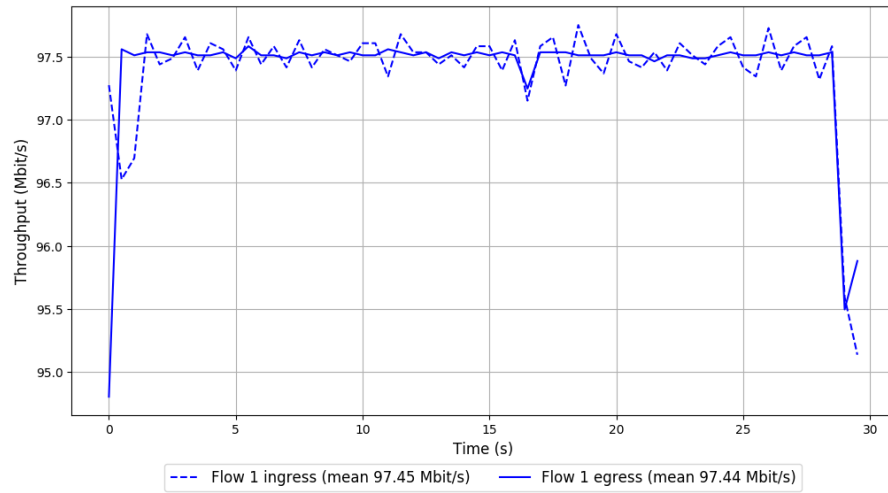
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: 2018-03-27 06:56:56
End at: 2018-03-27 06:57:26
Local clock offset: -5.653 ms
Remote clock offset: -6.422 ms


# Below is generated by plot.py at 2018-03-27 08:06:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.979 ms
Loss rate: 0.00%
```
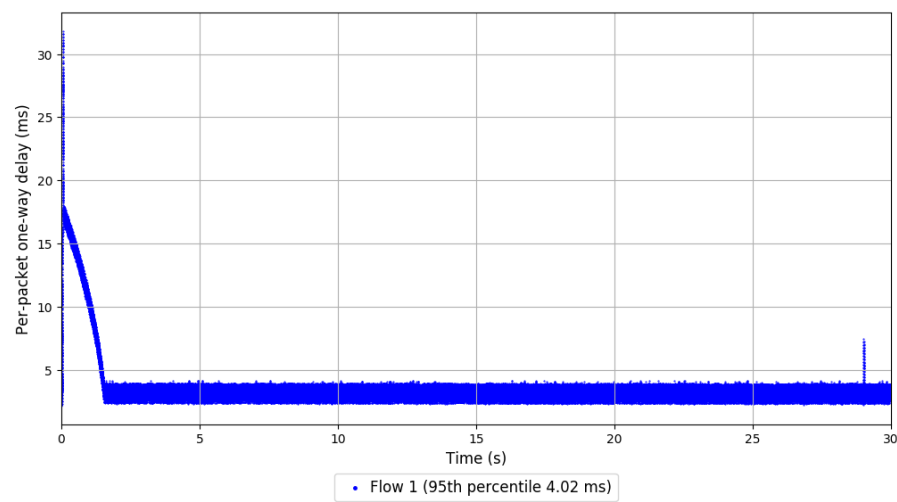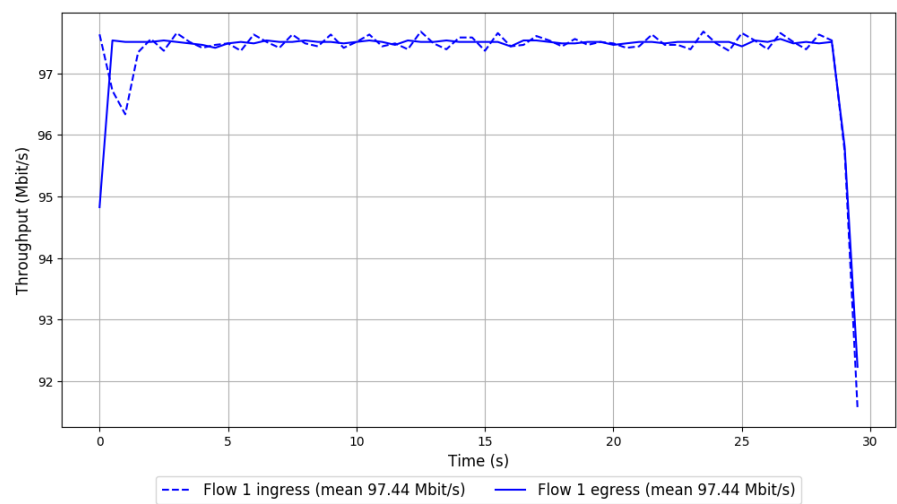
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2018-03-27 07:17:20
End at: 2018-03-27 07:17:50
Local clock offset: -7.026 ms
Remote clock offset: -6.315 ms


# Below is generated by plot.py at 2018-03-27 08:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 4.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 4.022 ms
Loss rate: 0.00%
```
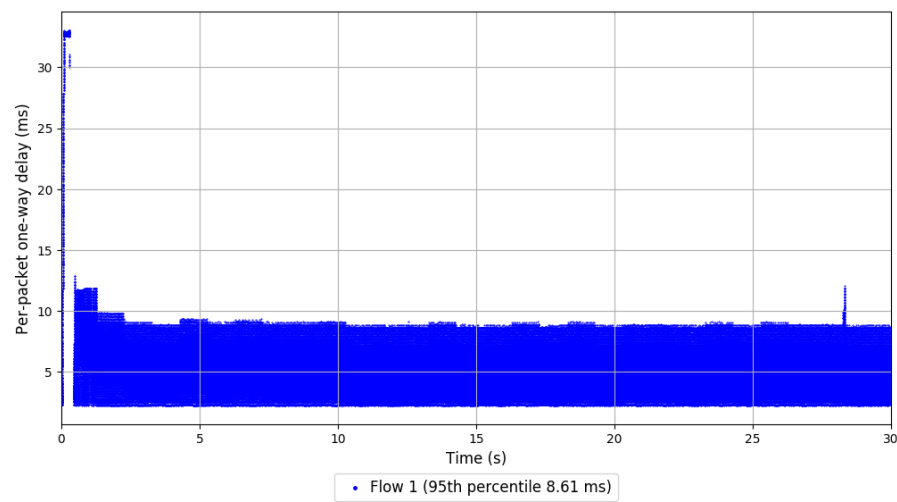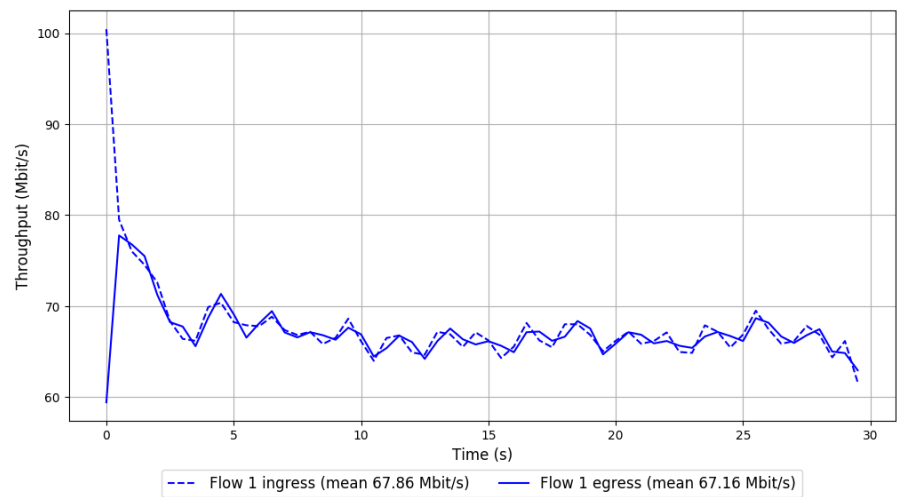
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2018-03-27 04:09:33
End at: 2018-03-27 04:10:03
Local clock offset: -6.825 ms
Remote clock offset: -8.035 ms


# Below is generated by plot.py at 2018-03-27 08:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.16 Mbit/s
95th percentile per-packet one-way delay: 8.609 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 67.16 Mbit/s
95th percentile per-packet one-way delay: 8.609 ms
Loss rate: 1.01%
```

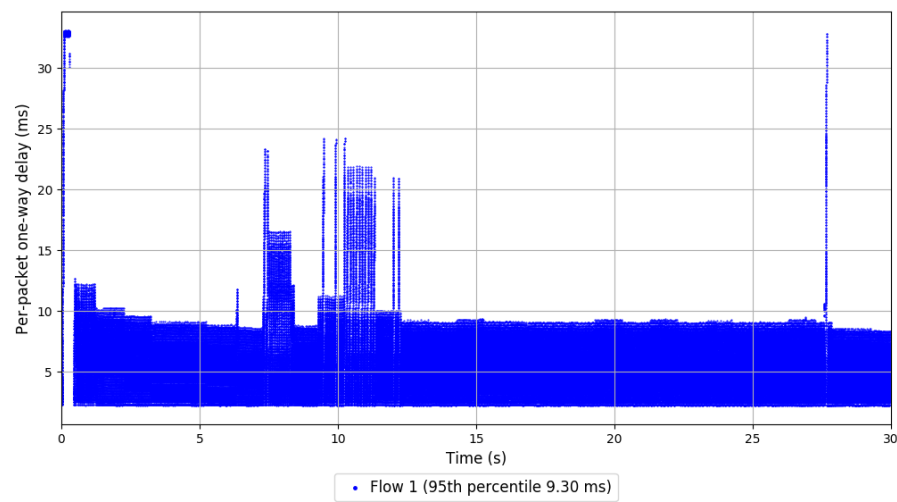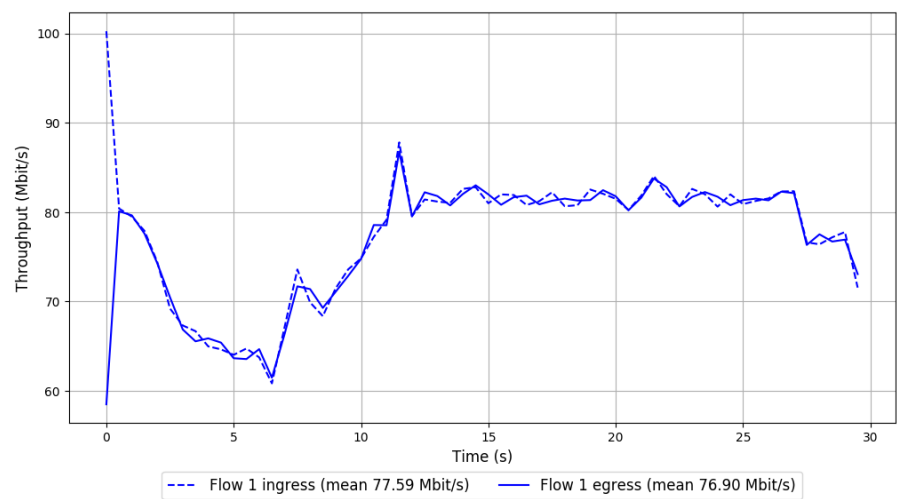Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-03-27 04:29:52
End at: 2018-03-27 04:30:22
Local clock offset: -5.795 ms
Remote clock offset: -7.256 ms


# Below is generated by plot.py at 2018-03-27 08:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 9.301 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 9.301 ms
Loss rate: 0.88%
```

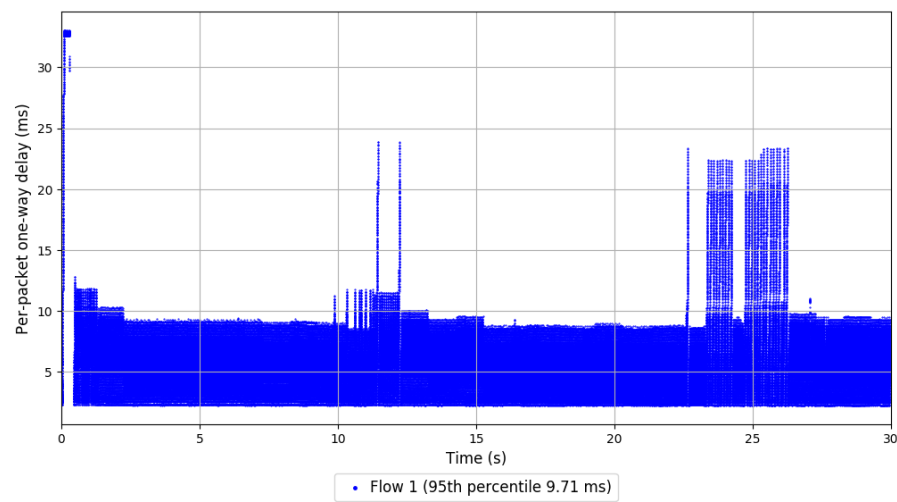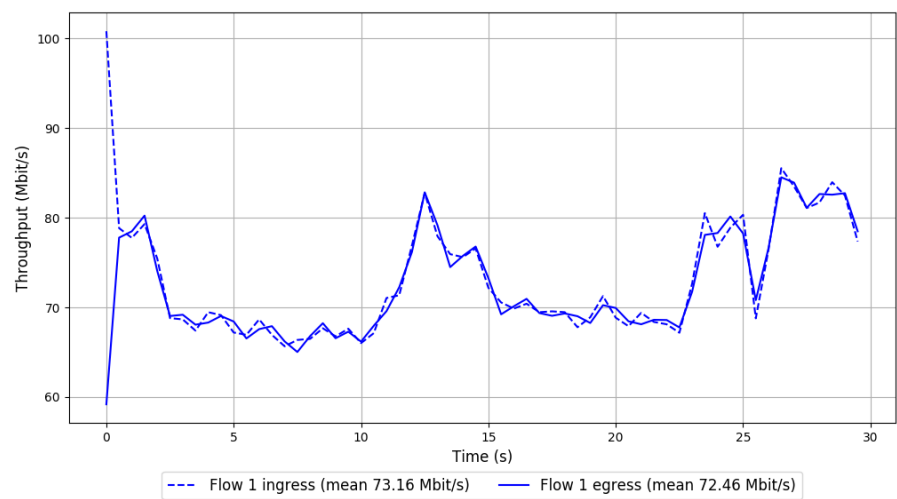Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-03-27 04:50:16
End at: 2018-03-27 04:50:46
Local clock offset: -6.17 ms
Remote clock offset: -6.534 ms


# Below is generated by plot.py at 2018-03-27 08:06:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 9.714 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 9.714 ms
Loss rate: 0.94%
```

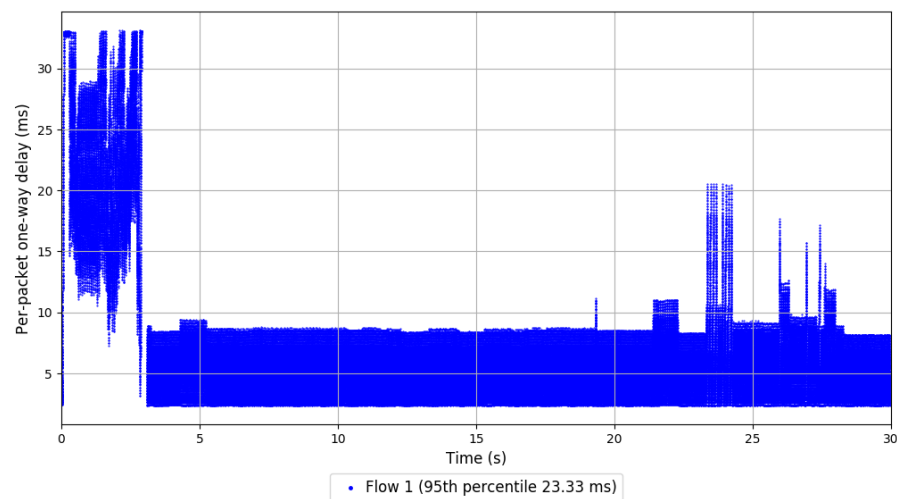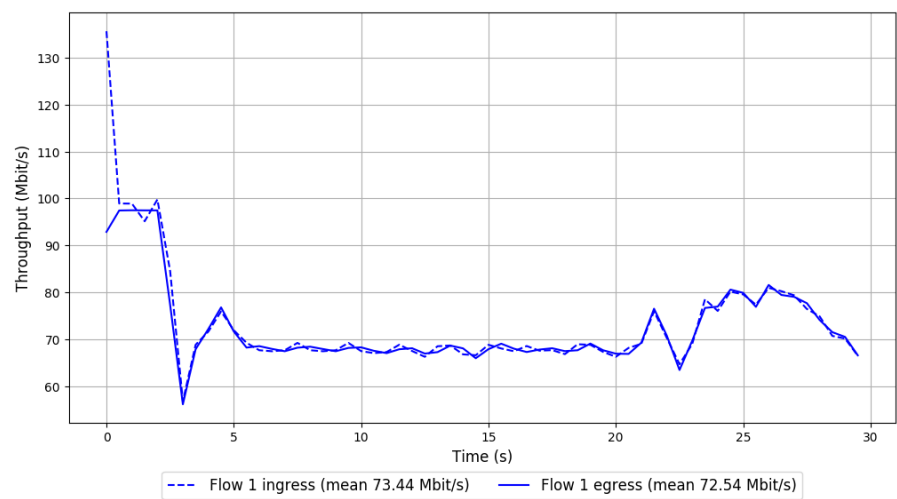## Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-03-27 05:10:36
End at: 2018-03-27 05:11:06
Local clock offset: -7.005 ms
Remote clock offset: -6.916 ms


# Below is generated by plot.py at 2018-03-27 08:06:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.54 Mbit/s
95th percentile per-packet one-way delay: 23.327 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 72.54 Mbit/s
95th percentile per-packet one-way delay: 23.327 ms
Loss rate: 1.20%
```

Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 73.44 Mbit/s) ——— Flow 1 egress (mean 72.54 Mbit/s)
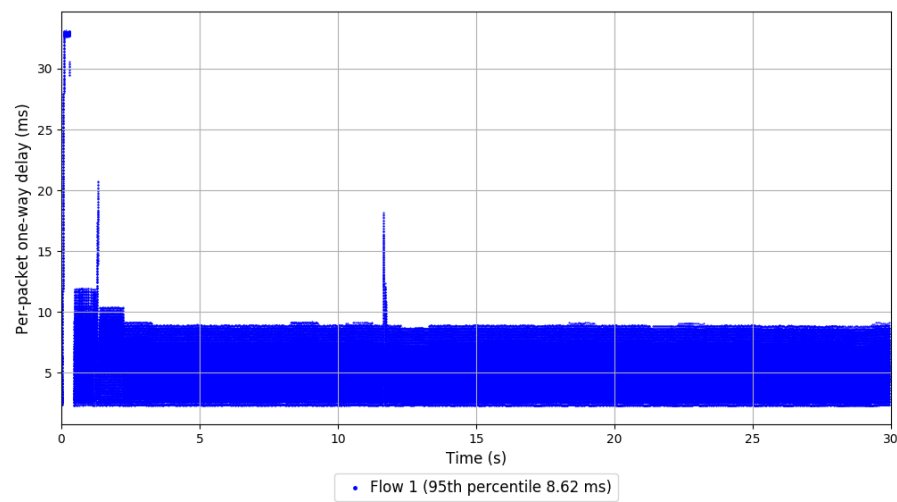
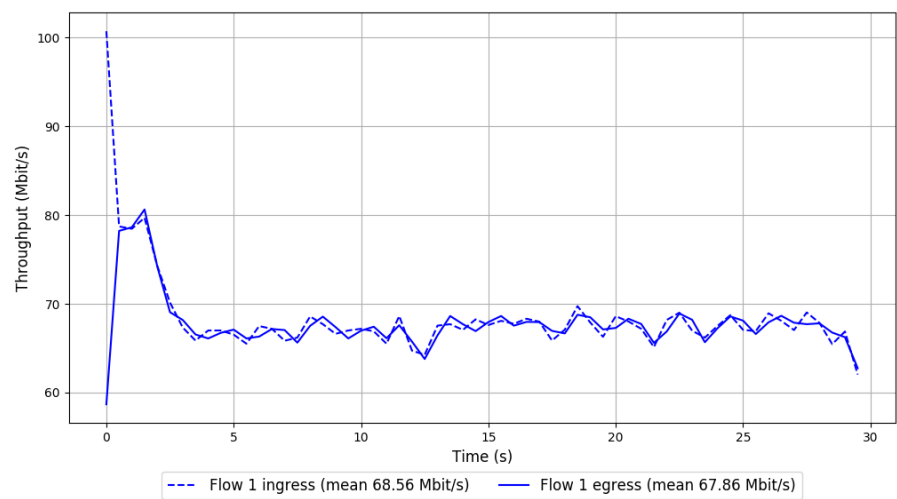

• Flow 1 (95th percentile 23.33 ms)

```
Run 5: Statistics of Verus

Start at: 2018-03-27 05:30:57
End at: 2018-03-27 05:31:27
Local clock offset: -6.84 ms
Remote clock offset: -6.975 ms


# Below is generated by plot.py at 2018-03-27 08:06:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.86 Mbit/s
95th percentile per-packet one-way delay: 8.622 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 67.86 Mbit/s
95th percentile per-packet one-way delay: 8.622 ms
Loss rate: 1.00%
```

Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 68.56 Mbit/s) ----   Flow 1 egress (mean 67.86 Mbit/s) ——
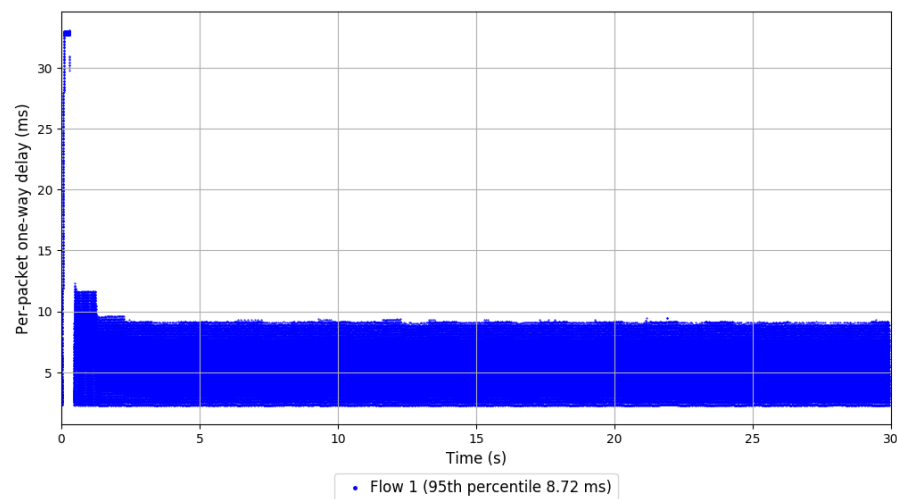

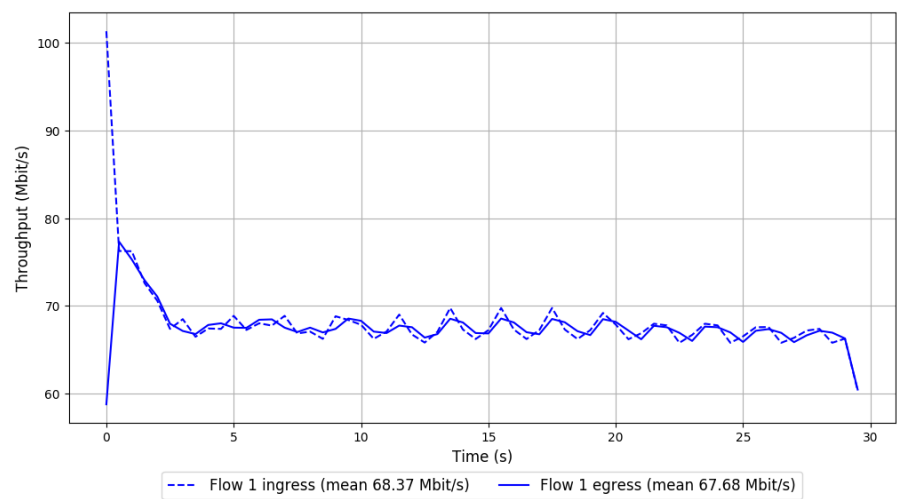Flow 1 (95th percentile 8.62 ms)

213

```
Run 6: Statistics of Verus

Start at: 2018-03-27 05:51:20
End at: 2018-03-27 05:51:50
Local clock offset: -6.718 ms
Remote clock offset: -6.437 ms


# Below is generated by plot.py at 2018-03-27 08:06:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 8.719 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 8.719 ms
Loss rate: 1.01%
```

Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-03-27 06:11:42
End at: 2018-03-27 06:12:12
Local clock offset: -5.688 ms
Remote clock offset: -6.31 ms


# Below is generated by plot.py at 2018-03-27 08:07:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 11.949 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 11.949 ms
Loss rate: 0.93%
```
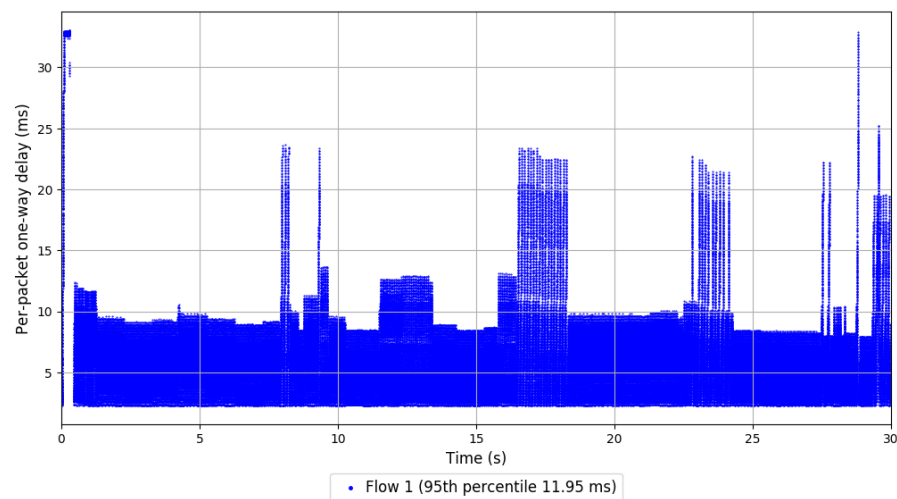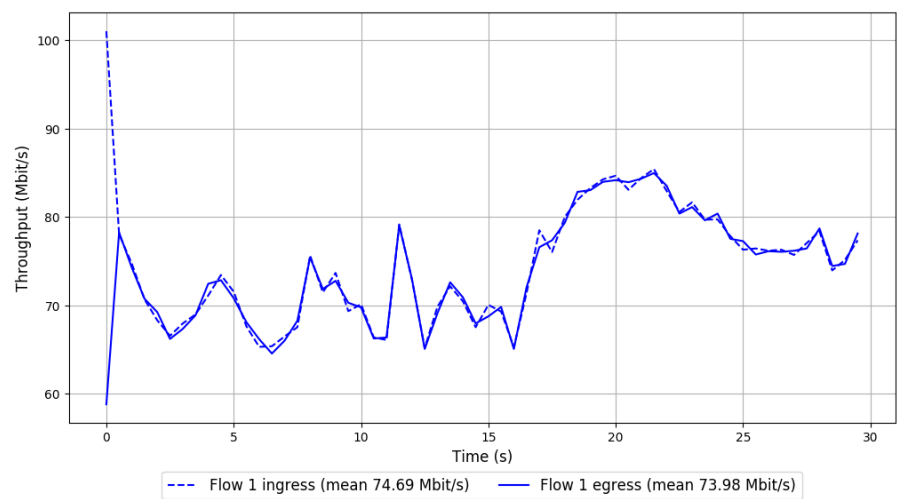
Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 74.69 Mbit/s)   Flow 1 egress (mean 73.98 Mbit/s)
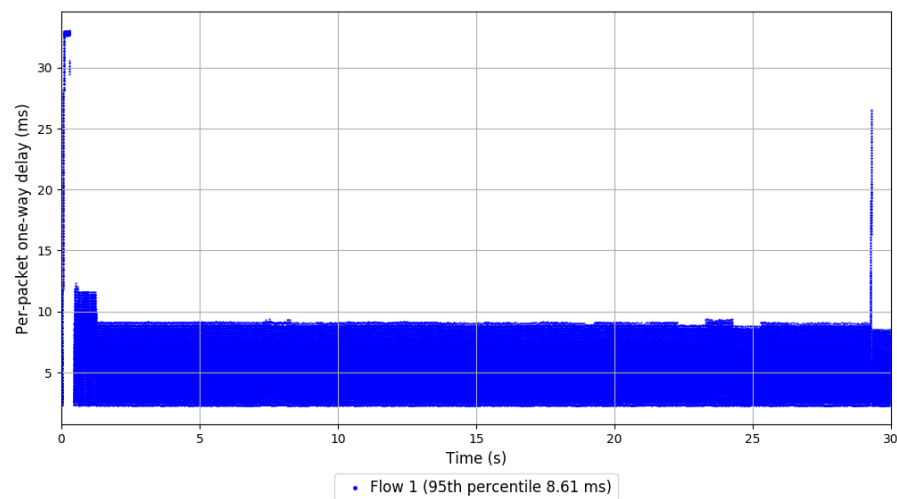

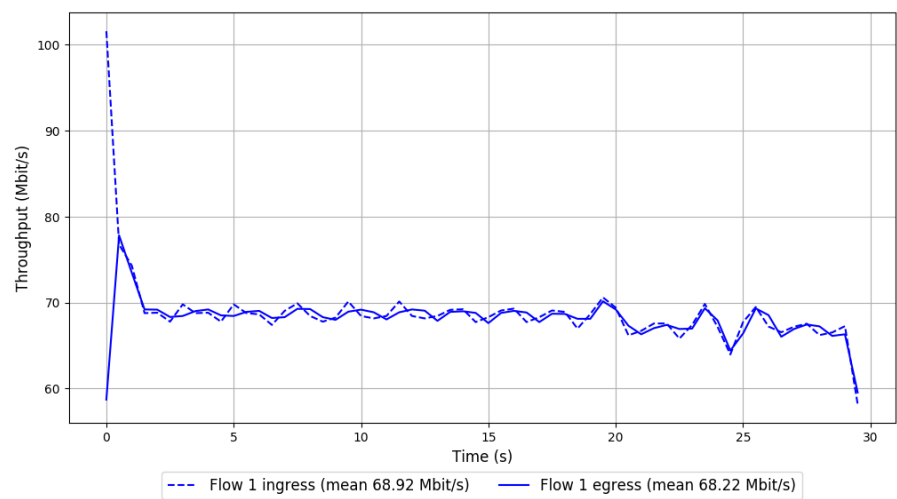Flow 1 (95th percentile 11.95 ms)

217

```
Run 8: Statistics of Verus

Start at: 2018-03-27 06:32:06
End at: 2018-03-27 06:32:36
Local clock offset: -5.592 ms
Remote clock offset: -6.185 ms


# Below is generated by plot.py at 2018-03-27 08:07:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.22 Mbit/s
95th percentile per-packet one-way delay: 8.609 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 68.22 Mbit/s
95th percentile per-packet one-way delay: 8.609 ms
Loss rate: 1.00%
```

Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 68.92 Mbit/s)   Flow 1 egress (mean 68.22 Mbit/s)
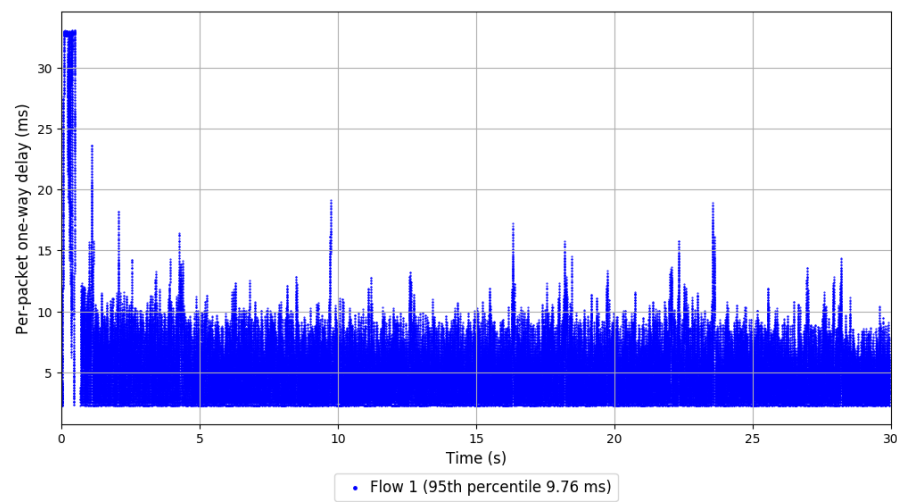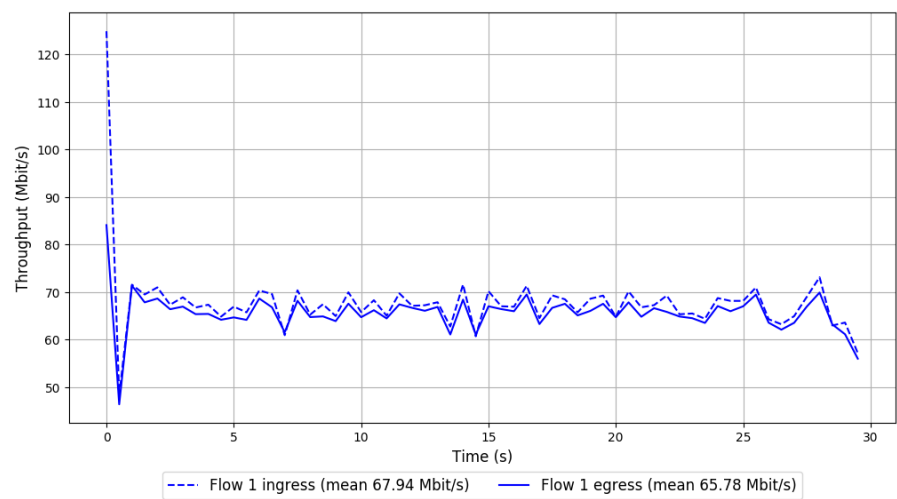

Flow 1 (95th percentile 8.61 ms)

```
Run 9: Statistics of Verus

Start at: 2018-03-27 06:52:30
End at: 2018-03-27 06:53:00
Local clock offset: -5.676 ms
Remote clock offset: -6.407 ms


# Below is generated by plot.py at 2018-03-27 08:07:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.78 Mbit/s
95th percentile per-packet one-way delay: 9.762 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 65.78 Mbit/s
95th percentile per-packet one-way delay: 9.762 ms
Loss rate: 3.16%
```

Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 67.94 Mbit/s)   Flow 1 egress (mean 65.78 Mbit/s)

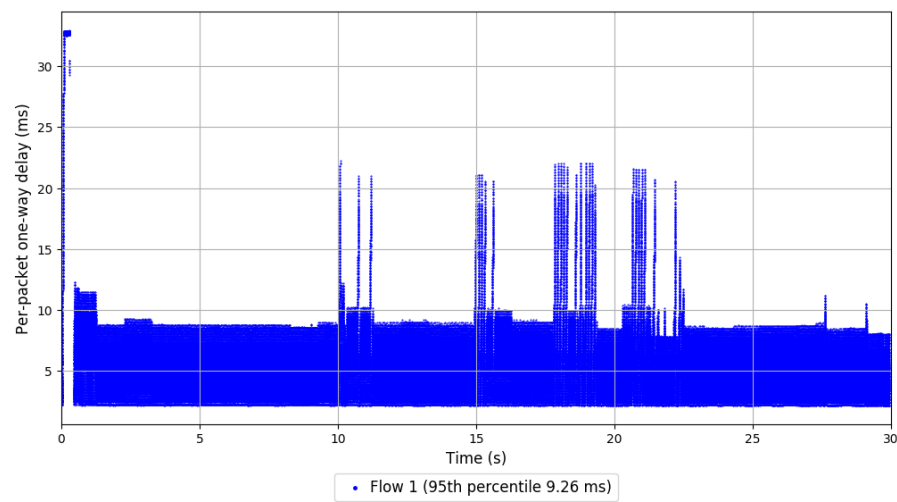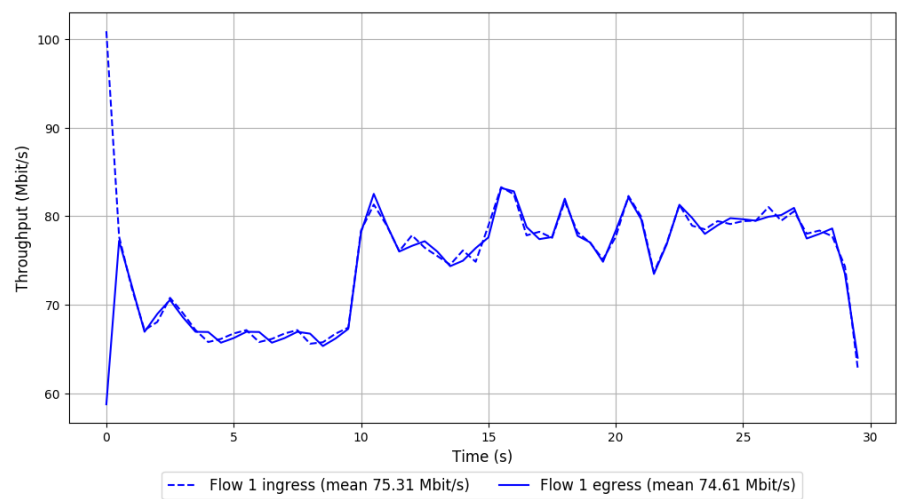

Flow 1 (95th percentile 9.76 ms)

```
Run 10: Statistics of Verus

Start at: 2018-03-27 07:12:53
End at: 2018-03-27 07:13:23
Local clock offset: -6.849 ms
Remote clock offset: -6.505 ms


# Below is generated by plot.py at 2018-03-27 08:07:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 9.257 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 9.257 ms
Loss rate: 0.92%
```

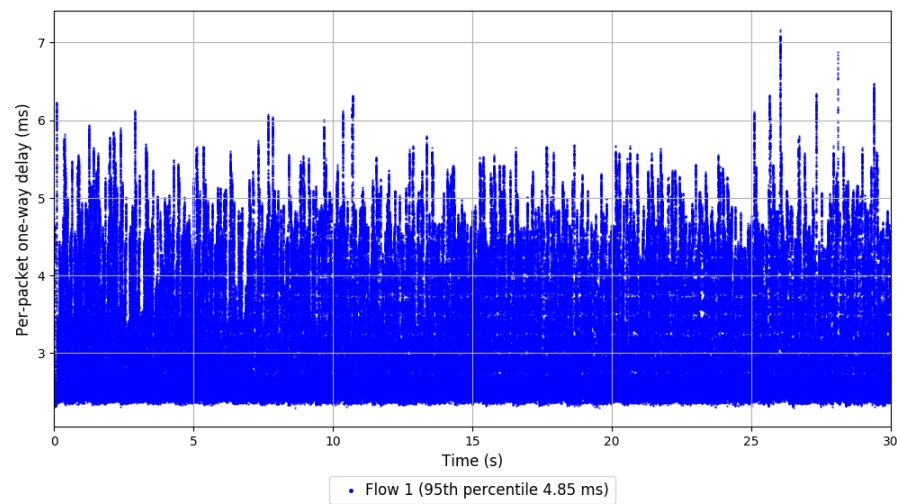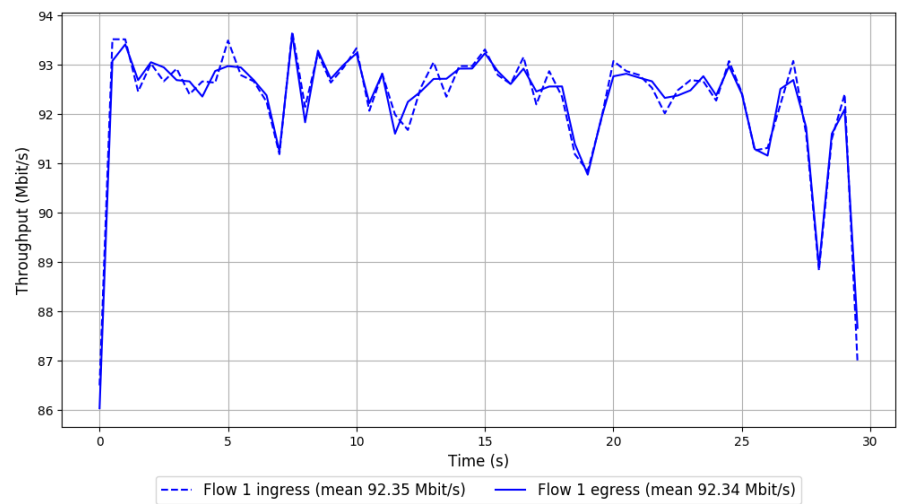Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-03-27 03:58:17
End at: 2018-03-27 03:58:47
Local clock offset: -6.803 ms
Remote clock offset: -7.894 ms


# Below is generated by plot.py at 2018-03-27 08:08:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 4.854 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 4.854 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 92.35 Mbit/s)   Flow 1 egress (mean 92.34 Mbit/s)

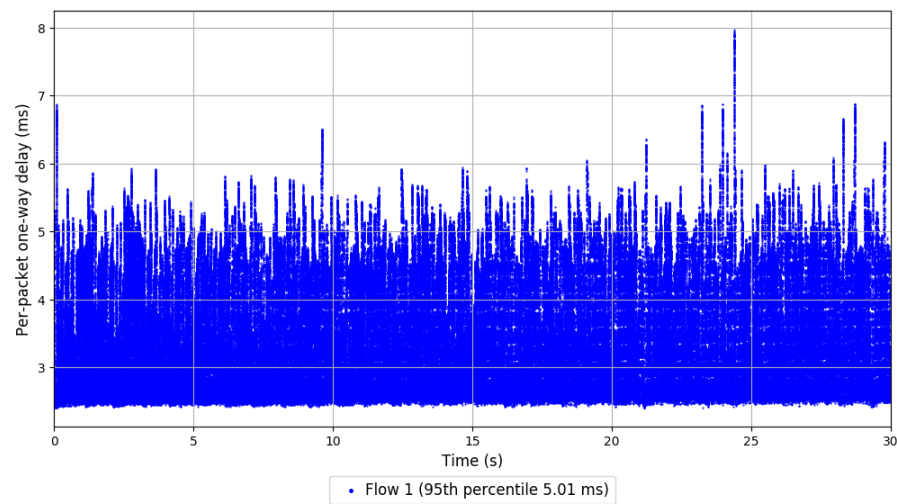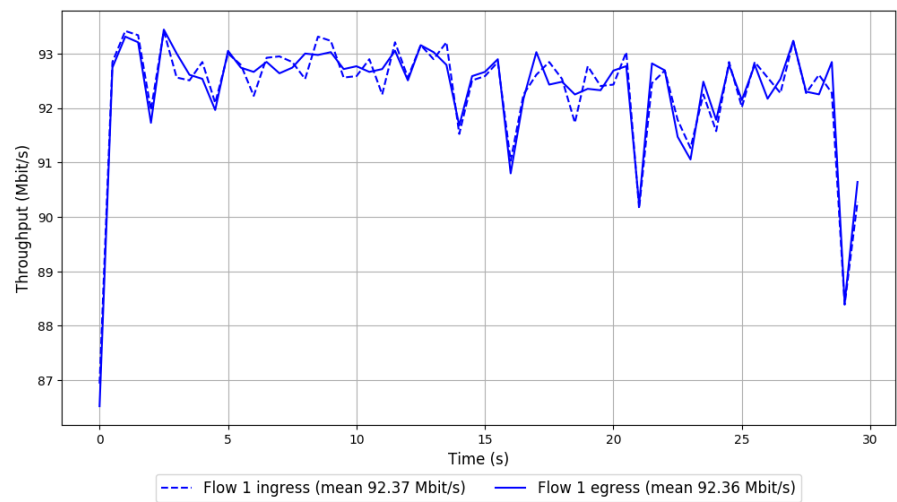
• Flow 1 (95th percentile 4.85 ms)

```
Run 2: Statistics of Copa

Start at: 2018-03-27 04:18:34
End at: 2018-03-27 04:19:04
Local clock offset: -6.292 ms
Remote clock offset: -8.186 ms


# Below is generated by plot.py at 2018-03-27 08:09:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 5.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 5.007 ms
Loss rate: 0.00%
```
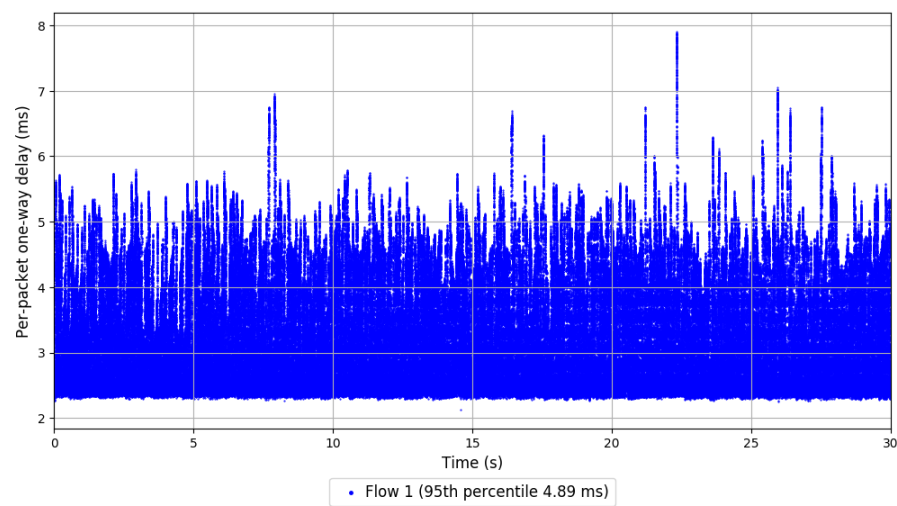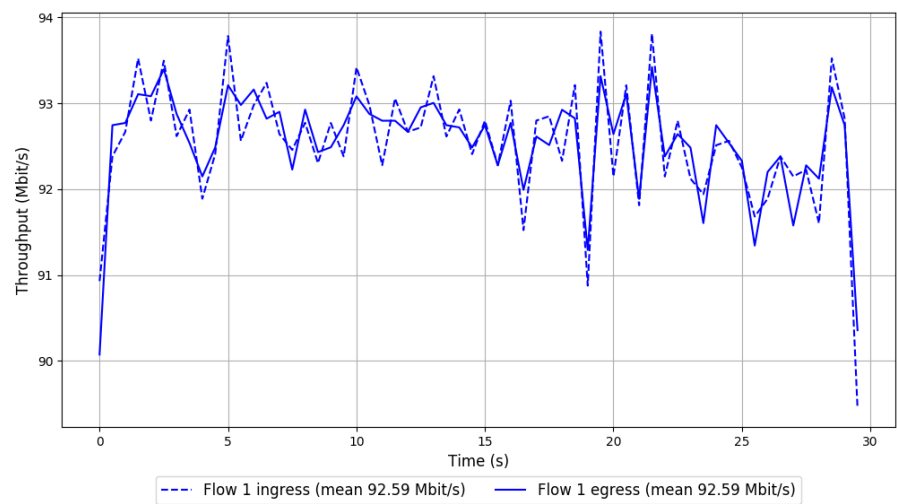
Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-03-27 04:38:57
End at: 2018-03-27 04:39:27
Local clock offset: -5.661 ms
Remote clock offset: -6.826 ms


# Below is generated by plot.py at 2018-03-27 08:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 4.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 4.891 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 92.59 Mbit/s) —— Flow 1 egress (mean 92.59 Mbit/s)

• Flow 1 (95th percentile 4.89 ms)

```
Run 4: Statistics of Copa

Start at: 2018-03-27 04:59:16
End at: 2018-03-27 04:59:46
Local clock offset: -6.673 ms
Remote clock offset: -6.65 ms


# Below is generated by plot.py at 2018-03-27 08:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 4.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 4.836 ms
Loss rate: 0.00%
```
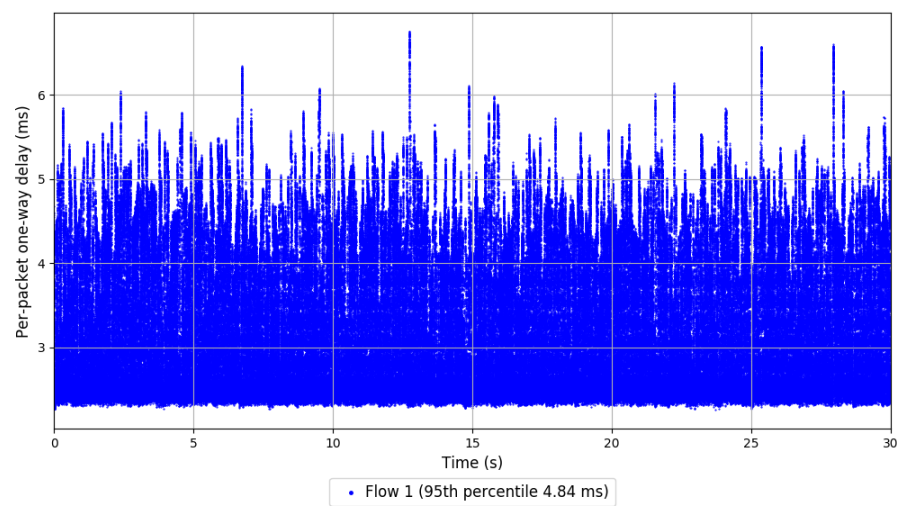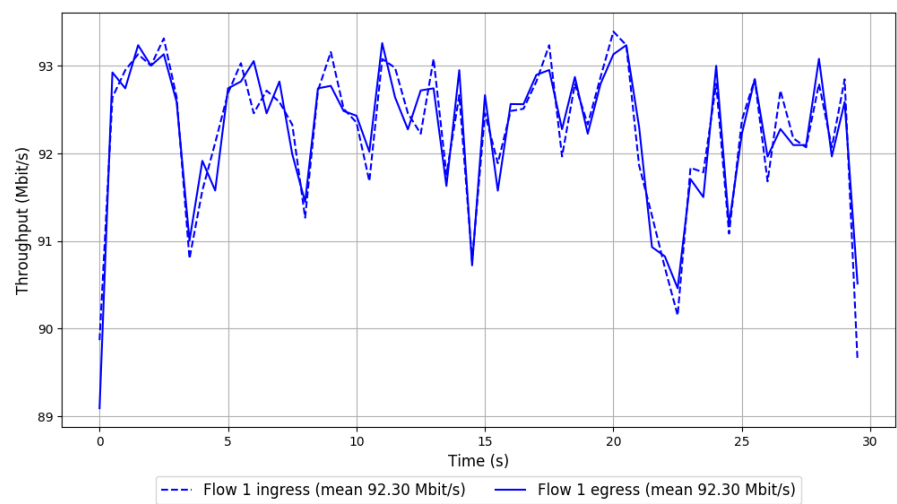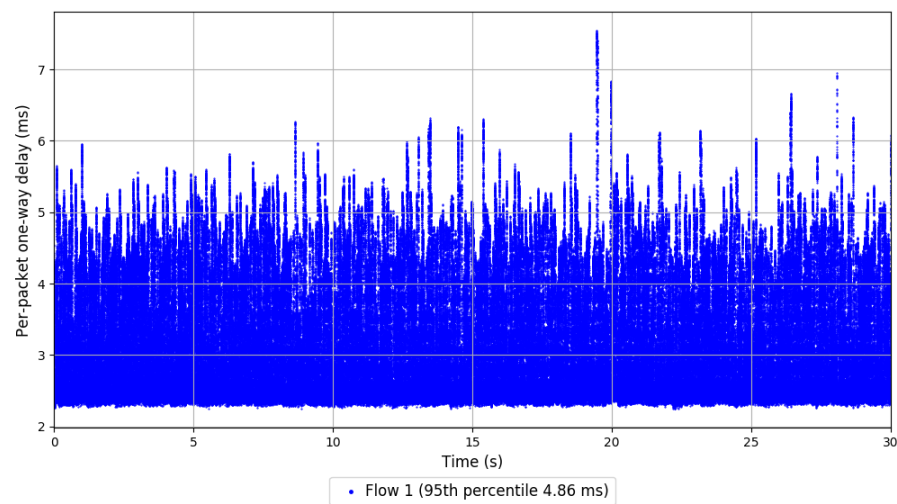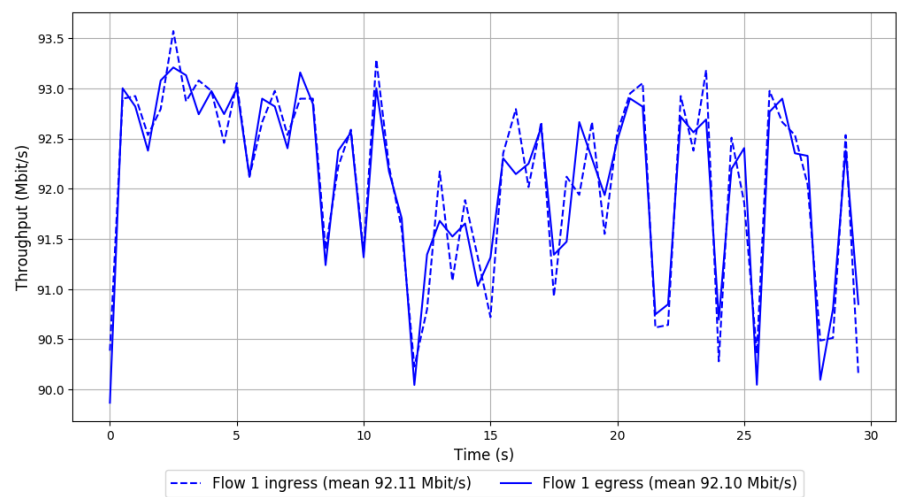
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2018-03-27 05:19:38
End at: 2018-03-27 05:20:08
Local clock offset: -7.027 ms
Remote clock offset: -7.038 ms


# Below is generated by plot.py at 2018-03-27 08:09:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 4.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 4.862 ms
Loss rate: 0.00%
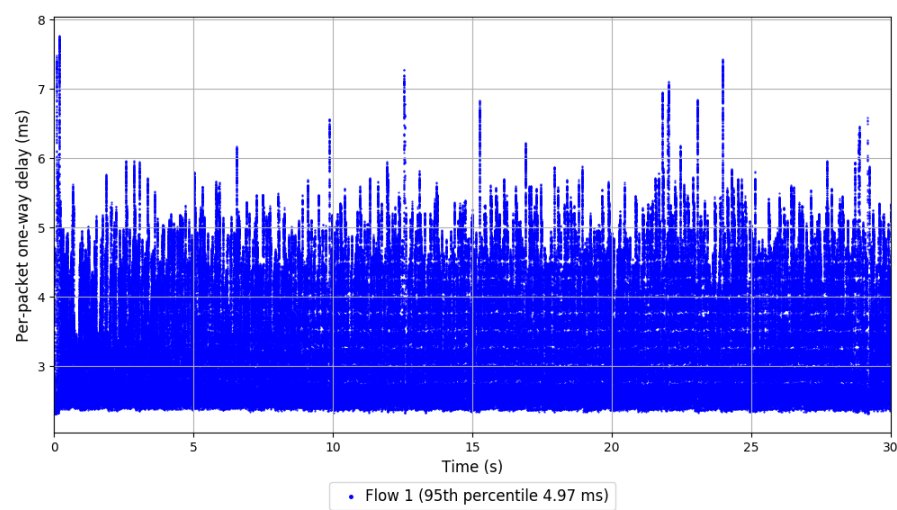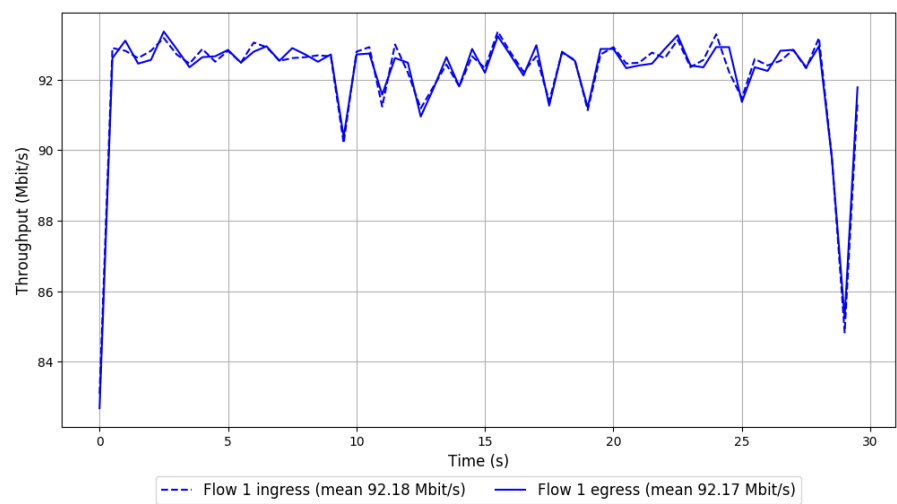```

Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-03-27 05:40:01
End at: 2018-03-27 05:40:31
Local clock offset: -6.795 ms
Remote clock offset: -6.624 ms


# Below is generated by plot.py at 2018-03-27 08:09:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 4.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 4.974 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 92.18 Mbit/s) Flow 1 egress (mean 92.17 Mbit/s)

• Flow 1 (95th percentile 4.97 ms)

```
Run 7: Statistics of Copa

Start at: 2018-03-27 06:00:22
End at: 2018-03-27 06:00:52
Local clock offset: -6.13 ms
Remote clock offset: -6.34 ms


# Below is generated by plot.py at 2018-03-27 08:09:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 4.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 4.893 ms
Loss rate: 0.00%
```
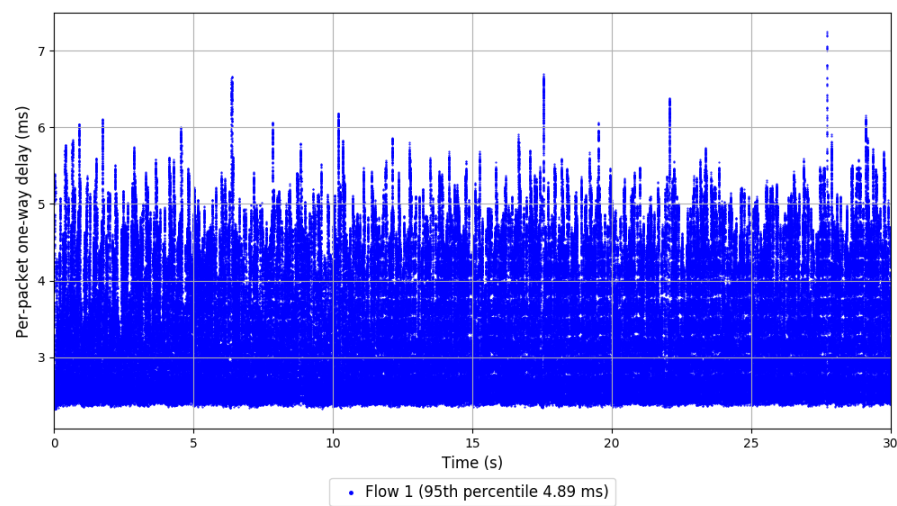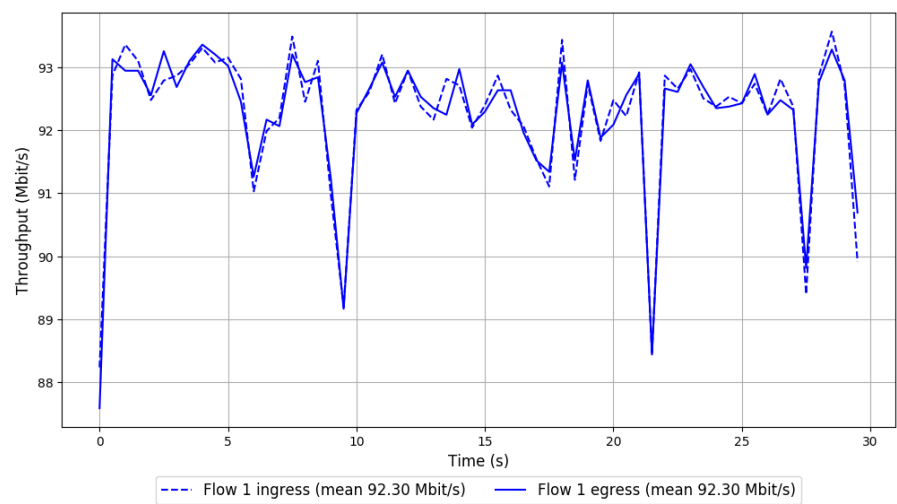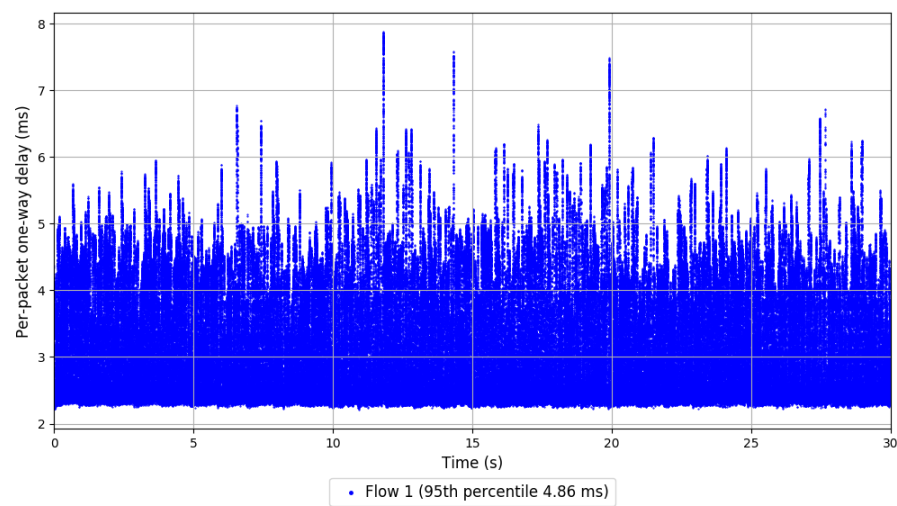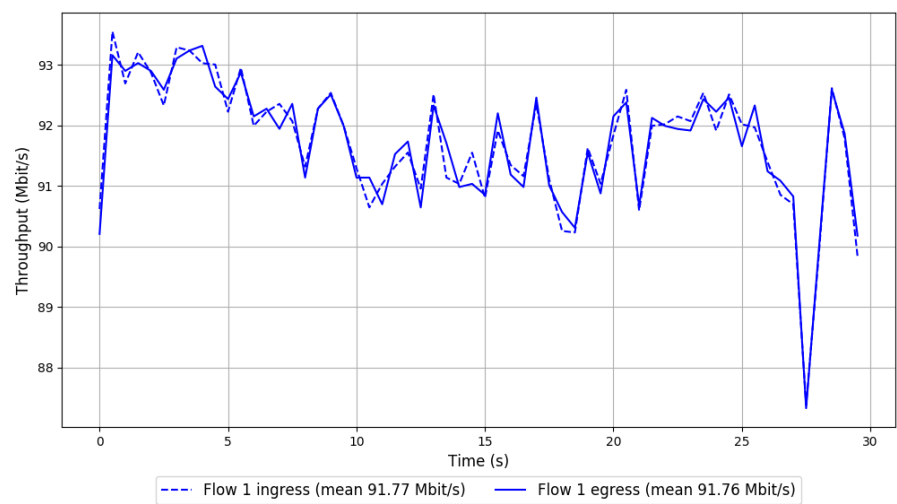
Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2018-03-27 06:20:47
End at: 2018-03-27 06:21:17
Local clock offset: -5.526 ms
Remote clock offset: -6.322 ms


# Below is generated by plot.py at 2018-03-27 08:09:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 4.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 4.859 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 91.77 Mbit/s) —— Flow 1 egress (mean 91.76 Mbit/s)
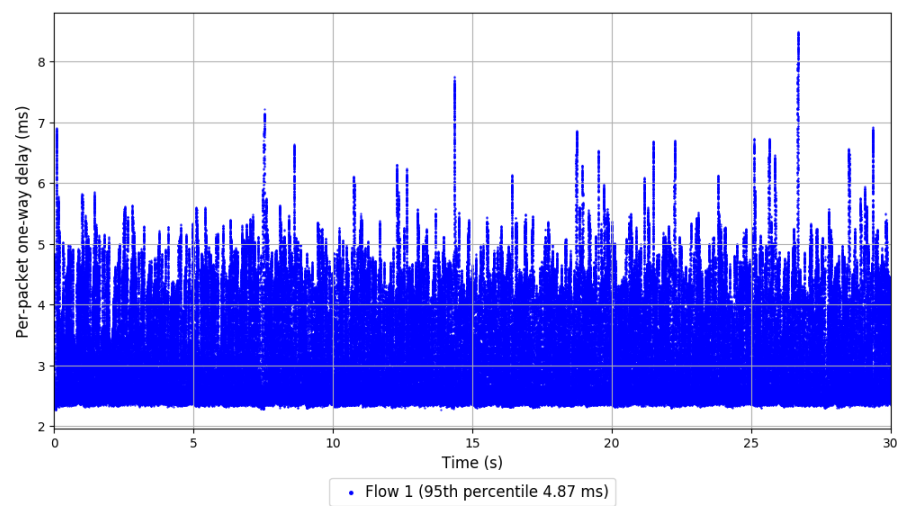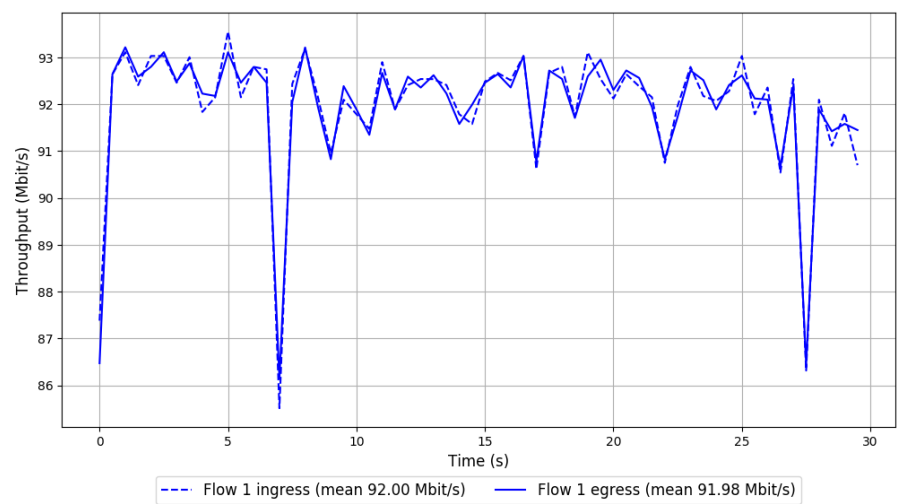

• Flow 1 (95th percentile 4.86 ms)

```
Run 9: Statistics of Copa

Start at: 2018-03-27 06:41:11
End at: 2018-03-27 06:41:41
Local clock offset: -5.692 ms
Remote clock offset: -6.241 ms


# Below is generated by plot.py at 2018-03-27 08:11:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 4.865 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 4.865 ms
Loss rate: 0.01%
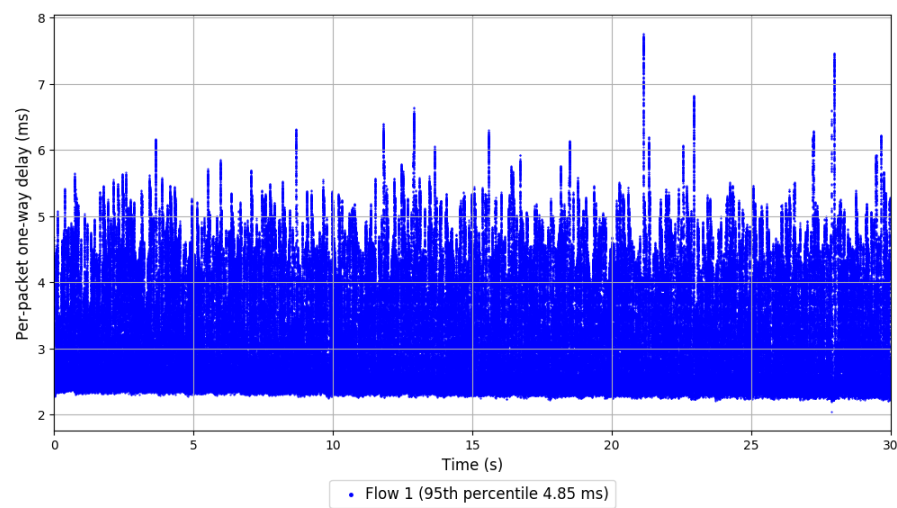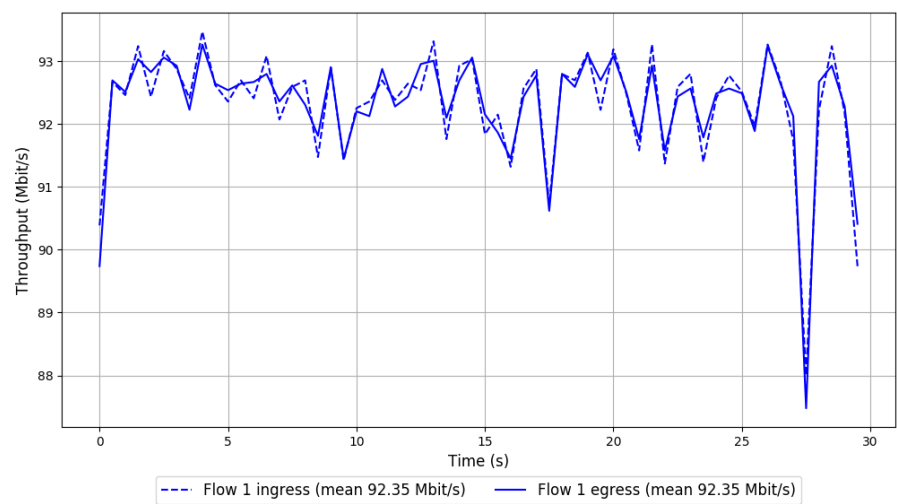```

Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2018-03-27 07:01:34
End at: 2018-03-27 07:02:04
Local clock offset: -5.676 ms
Remote clock offset: -6.427 ms


# Below is generated by plot.py at 2018-03-27 08:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 4.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 4.853 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 92.35 Mbit/s) --- Flow 1 egress (mean 92.35 Mbit/s)
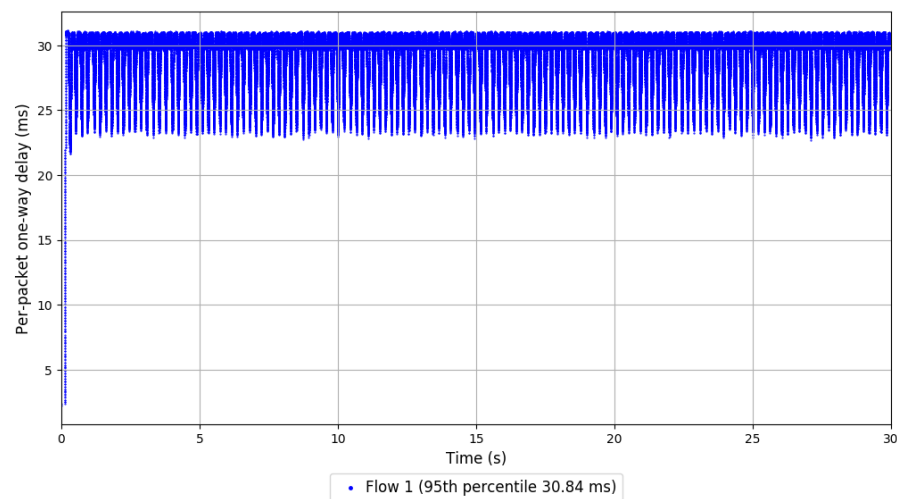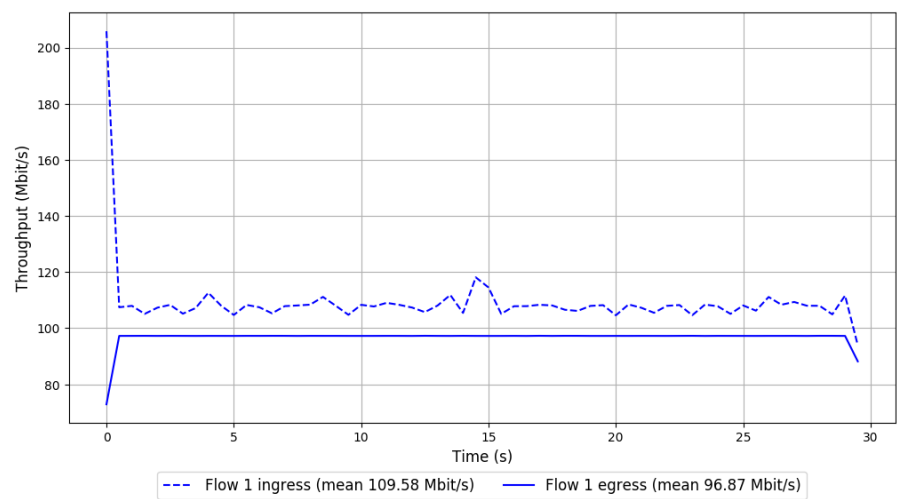

• Flow 1 (95th percentile 4.85 ms)

```
Run 1: Statistics of FillP

Start at: 2018-03-27 04:03:58
End at: 2018-03-27 04:04:28
Local clock offset: -6.802 ms
Remote clock offset: -7.958 ms


# Below is generated by plot.py at 2018-03-27 08:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.842 ms
Loss rate: 11.51%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.842 ms
Loss rate: 11.51%
```

Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 109.58 Mbit/s) — — — Flow 1 egress (mean 96.87 Mbit/s)

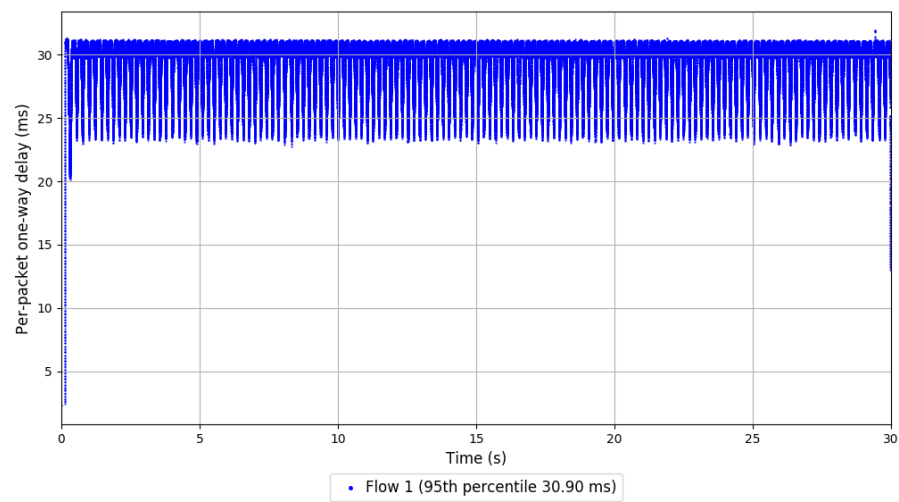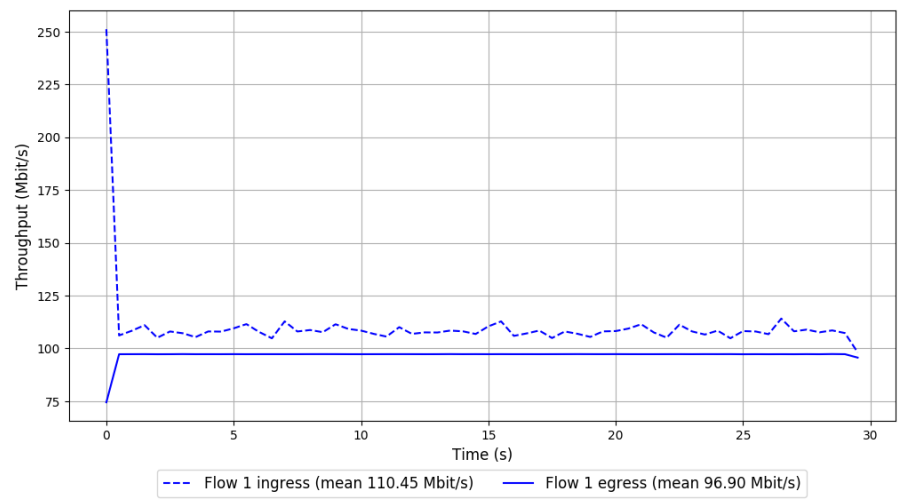

• Flow 1 (95th percentile 30.84 ms)

```
Run 2: Statistics of FillP

Start at: 2018-03-27 04:24:17
End at: 2018-03-27 04:24:47
Local clock offset: -6.013 ms
Remote clock offset: -7.838 ms


# Below is generated by plot.py at 2018-03-27 08:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.896 ms
Loss rate: 12.20%
-- Flow 1:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.896 ms
Loss rate: 12.20%
```

Run 2: Report of FillP — Data Link

Flow 1 ingress (mean 110.45 Mbit/s)   Flow 1 egress (mean 96.90 Mbit/s)
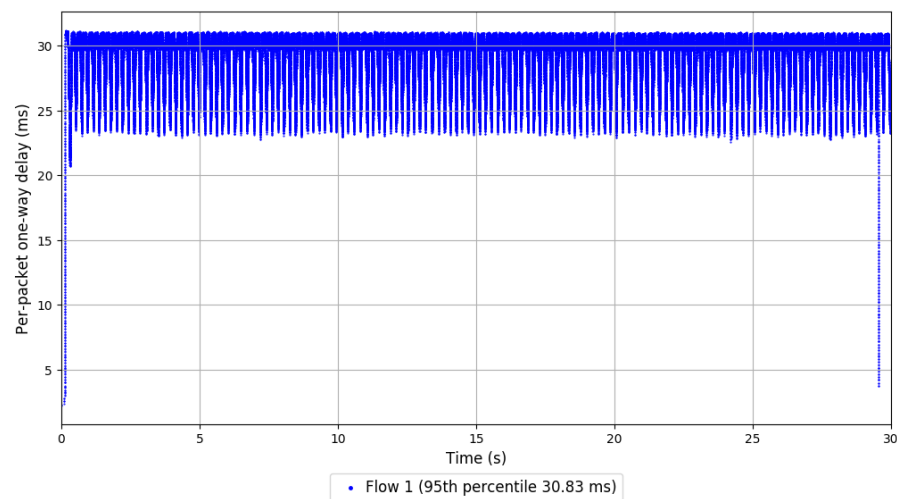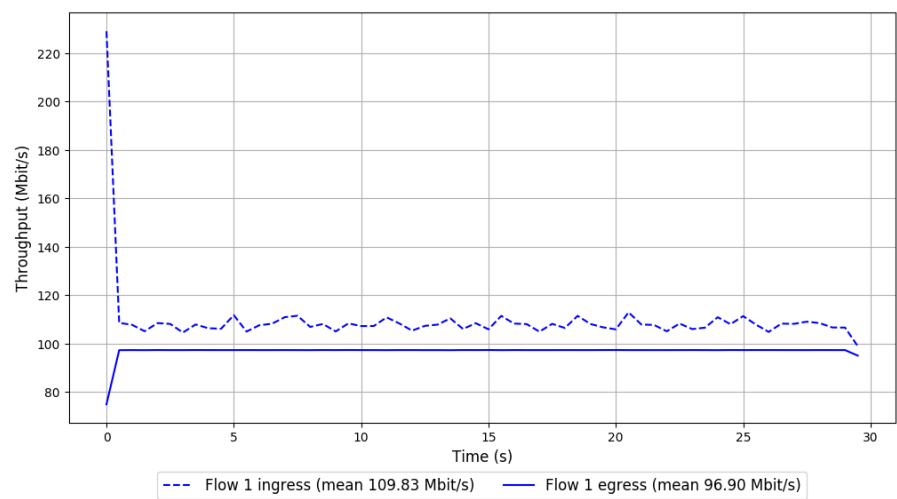

Flow 1 (95th percentile 30.90 ms)

```
Run 3: Statistics of FillP

Start at: 2018-03-27 04:44:41
End at: 2018-03-27 04:45:11
Local clock offset: -5.551 ms
Remote clock offset: -6.632 ms


# Below is generated by plot.py at 2018-03-27 08:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.826 ms
Loss rate: 11.70%
-- Flow 1:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.826 ms
Loss rate: 11.70%
```

Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 109.83 Mbit/s) --- Flow 1 egress (mean 96.90 Mbit/s)
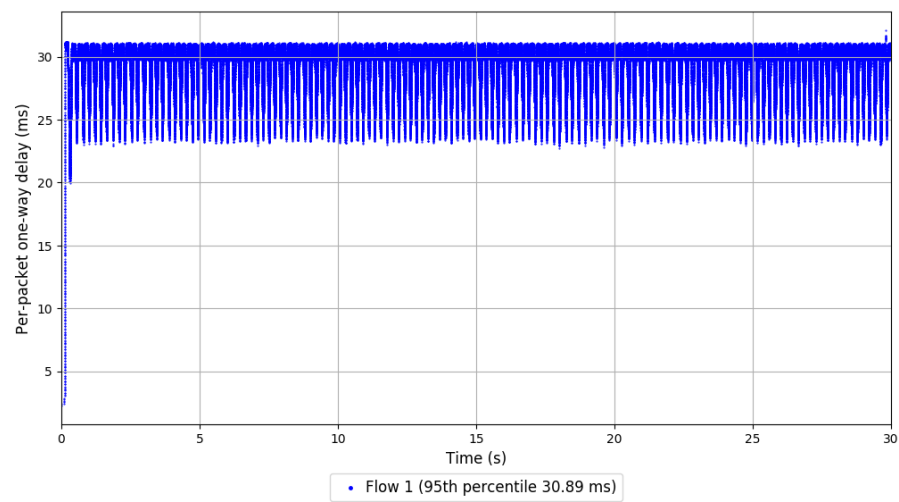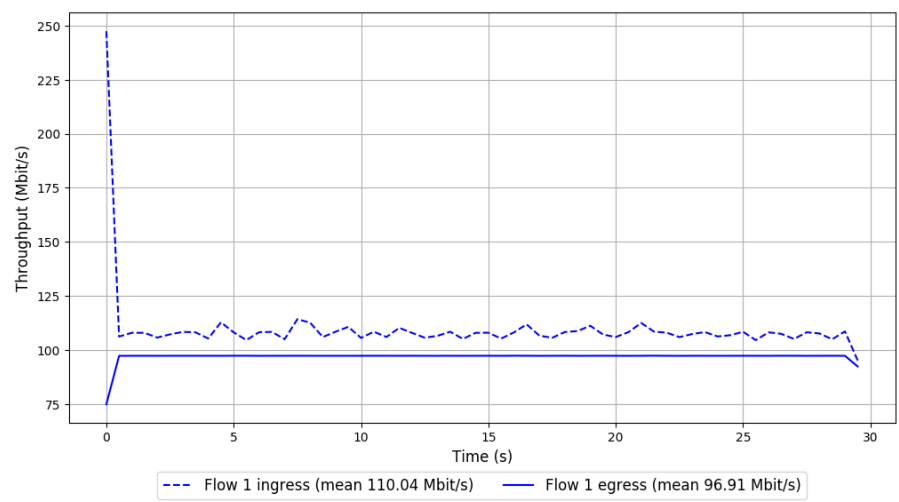

Flow 1 (95th percentile 30.83 ms)

```
Run 4: Statistics of FillP

Start at: 2018-03-27 05:05:00
End at: 2018-03-27 05:05:30
Local clock offset: -6.891 ms
Remote clock offset: -6.859 ms


# Below is generated by plot.py at 2018-03-27 08:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.890 ms
Loss rate: 11.85%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.890 ms
Loss rate: 11.85%
```
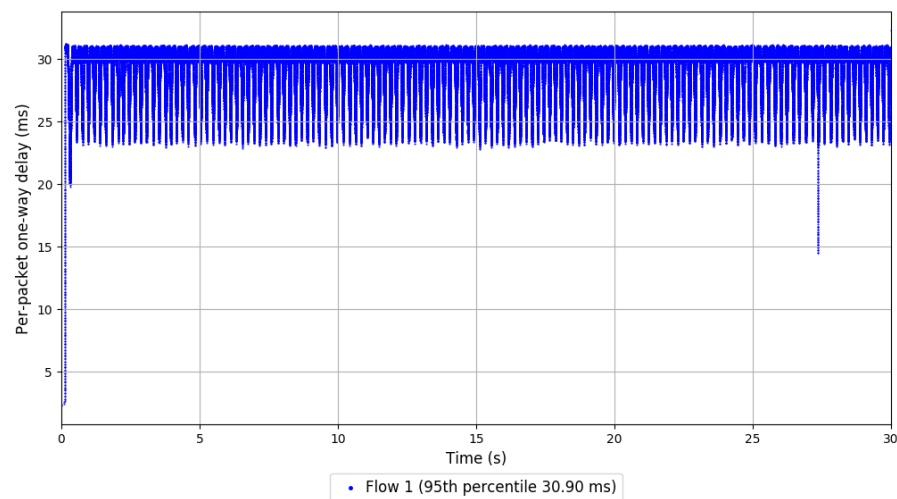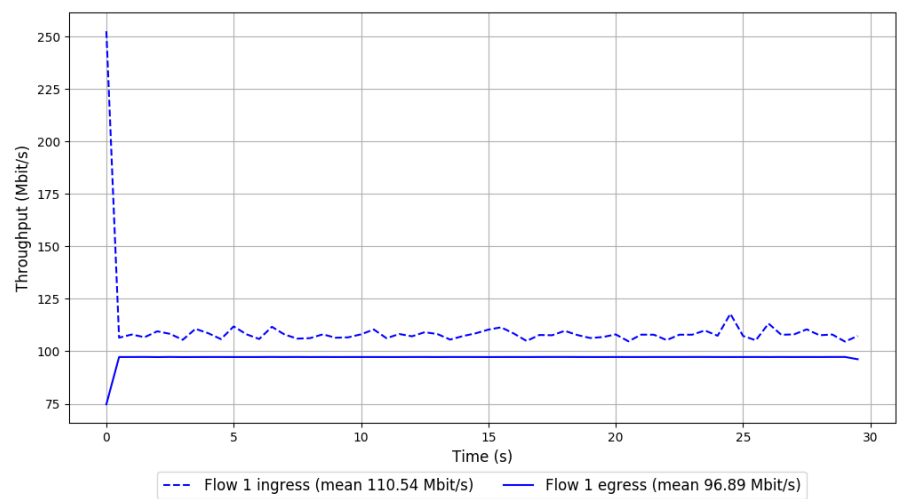
Run 4: Report of FillP — Data Link

```
Run 5: Statistics of FillP

Start at: 2018-03-27 05:25:22
End at: 2018-03-27 05:25:52
Local clock offset: -6.869 ms
Remote clock offset: -7.003 ms


# Below is generated by plot.py at 2018-03-27 08:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.898 ms
Loss rate: 12.26%
-- Flow 1:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.898 ms
Loss rate: 12.26%
```

Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 110.54 Mbit/s) ——— Flow 1 egress (mean 96.89 Mbit/s)

• Flow 1 (95th percentile 30.90 ms)

```
Run 6: Statistics of FillP

Start at: 2018-03-27 05:45:45
End at: 2018-03-27 05:46:15
Local clock offset: -6.731 ms
Remote clock offset: -6.5 ms


# Below is generated by plot.py at 2018-03-27 08:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.877 ms
Loss rate: 11.74%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.877 ms
Loss rate: 11.74%
```
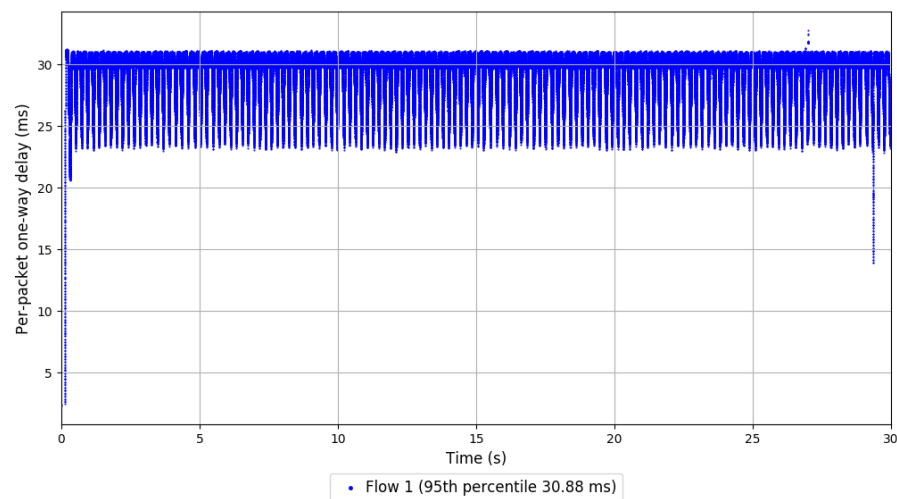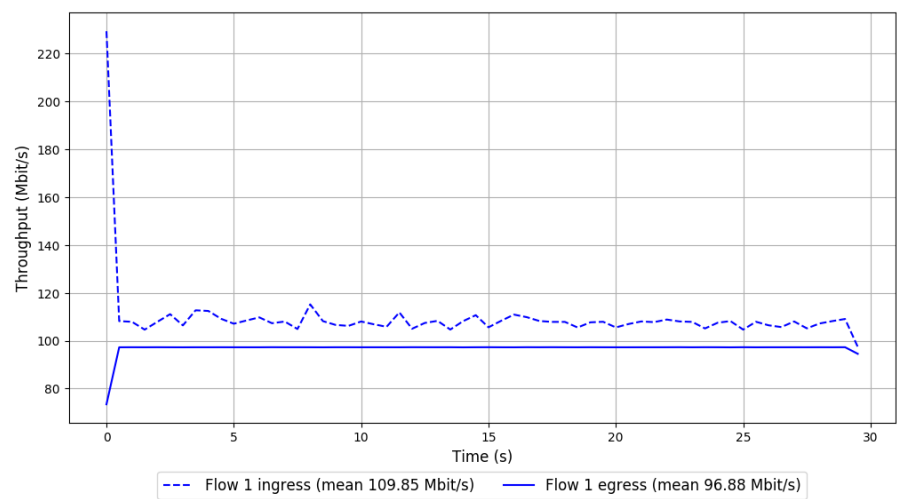
Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 109.85 Mbit/s) — — —   Flow 1 egress (mean 96.88 Mbit/s)
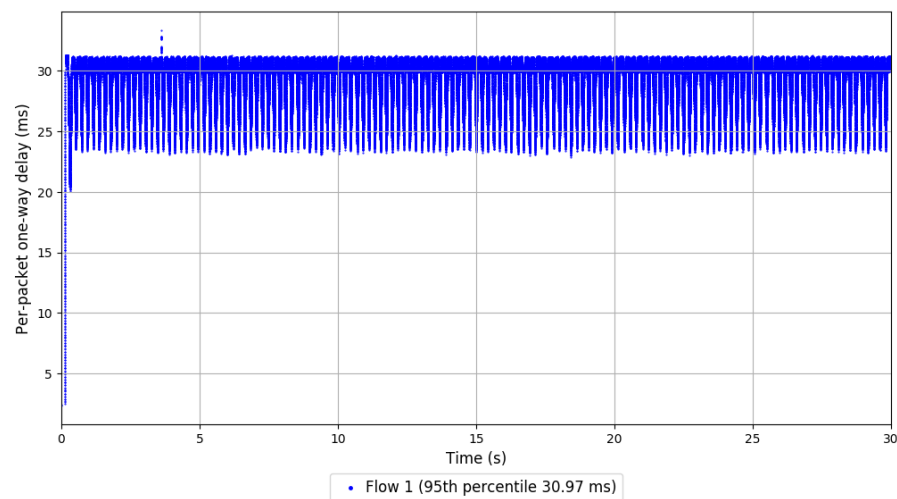
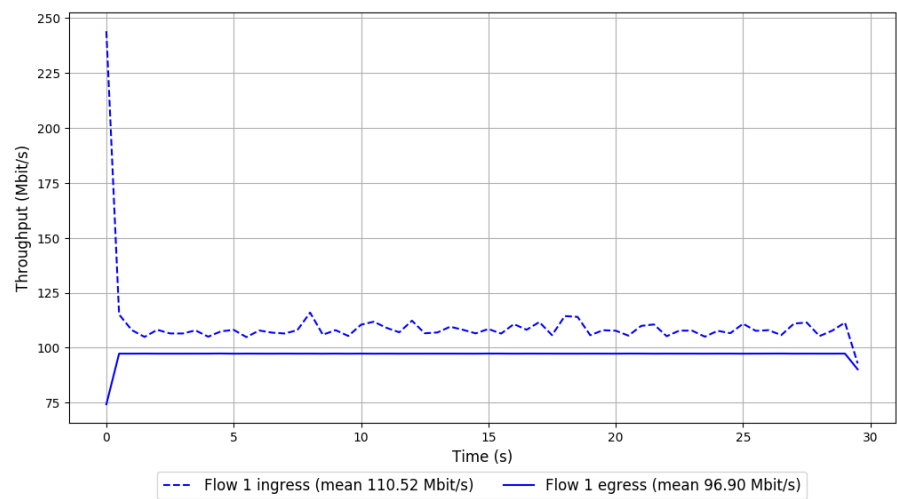

• Flow 1 (95th percentile 30.88 ms)

```
Run 7: Statistics of FillP

Start at: 2018-03-27 06:06:06
End at: 2018-03-27 06:06:36
Local clock offset: -5.944 ms
Remote clock offset: -6.317 ms


# Below is generated by plot.py at 2018-03-27 08:12:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.969 ms
Loss rate: 12.25%
-- Flow 1:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.969 ms
Loss rate: 12.25%
```

Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 110.52 Mbit/s) --- Flow 1 egress (mean 96.90 Mbit/s)
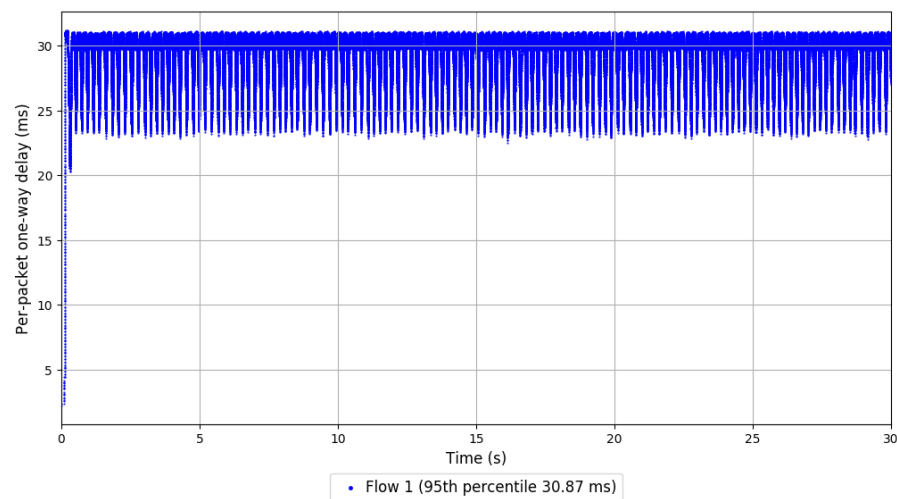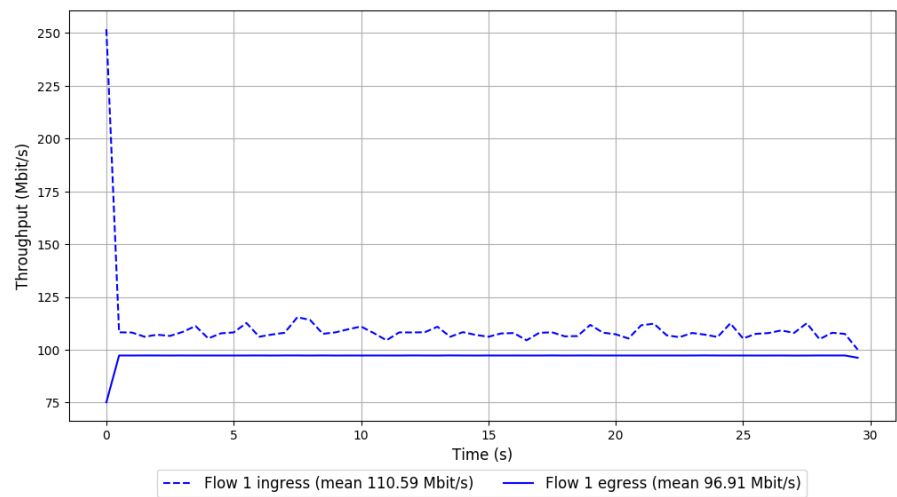

Flow 1 (95th percentile 30.97 ms)

```
Run 8: Statistics of FillP

Start at: 2018-03-27 06:26:31
End at: 2018-03-27 06:27:01
Local clock offset: -5.424 ms
Remote clock offset: -6.207 ms


# Below is generated by plot.py at 2018-03-27 08:12:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.873 ms
Loss rate: 12.29%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.873 ms
Loss rate: 12.29%
```

Run 8: Report of FillP — Data Link

Flow 1 ingress (mean 110.59 Mbit/s)   Flow 1 egress (mean 96.91 Mbit/s)

Flow 1 (95th percentile 30.87 ms)

```
Run 9: Statistics of FillP

Start at: 2018-03-27 06:46:54
End at: 2018-03-27 06:47:24
Local clock offset: -5.702 ms
Remote clock offset: -6.42 ms


# Below is generated by plot.py at 2018-03-27 08:12:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.817 ms
Loss rate: 11.65%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.817 ms
Loss rate: 11.65%
```
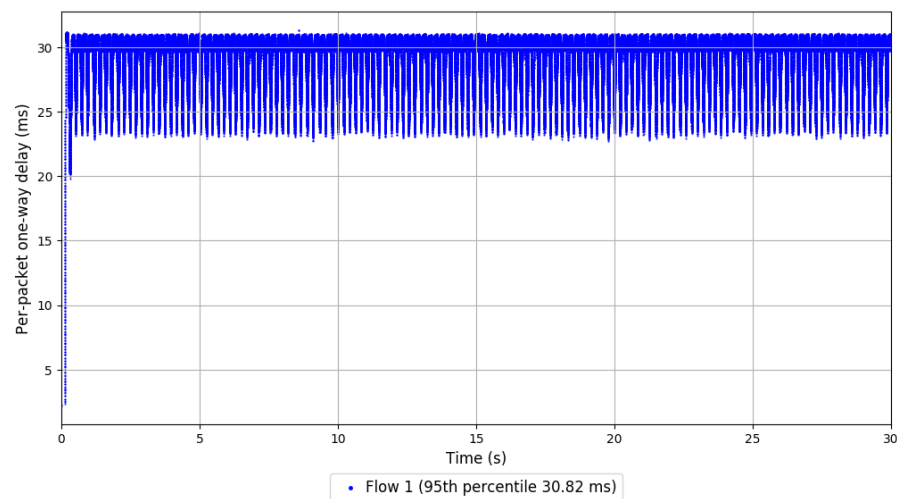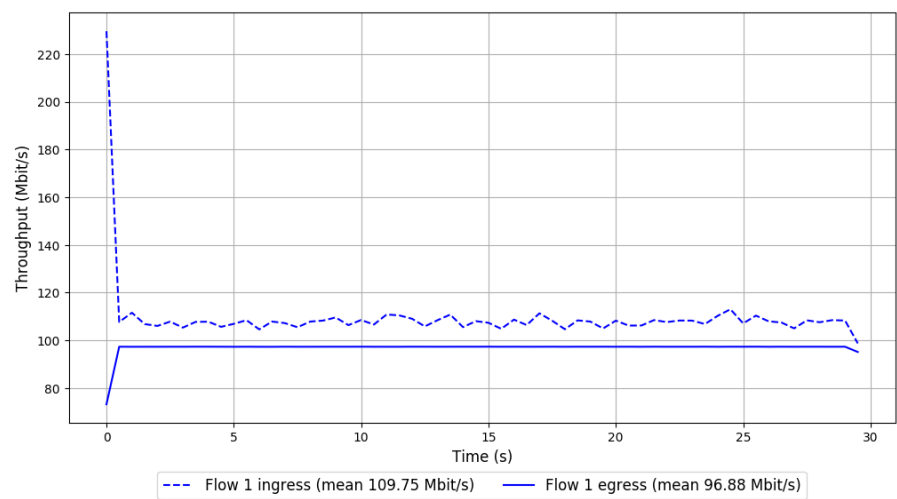
Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 109.75 Mbit/s) --- Flow 1 egress (mean 96.88 Mbit/s)

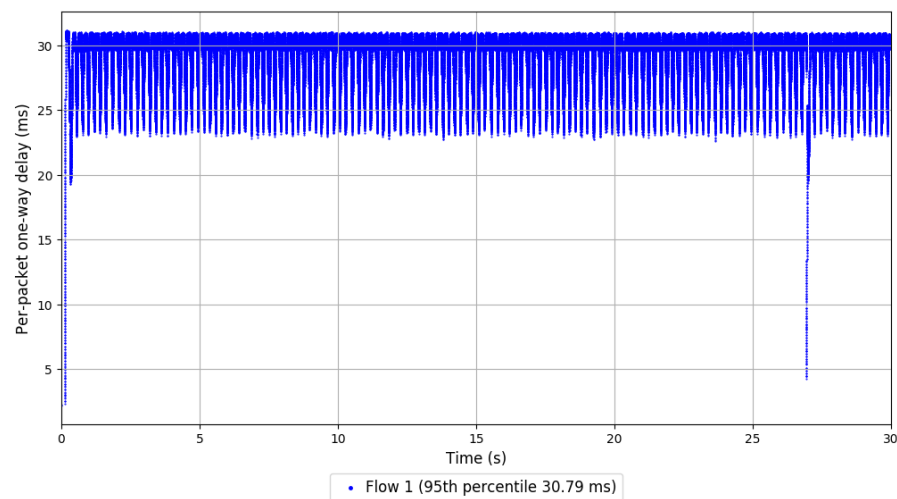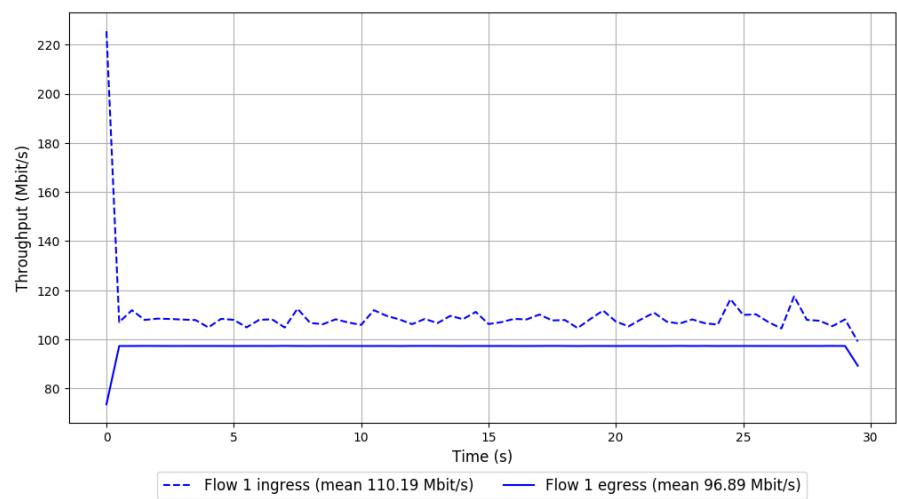• Flow 1 (95th percentile 30.82 ms)

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```
Run 10: Statistics of FillP

Start at: 2018-03-27 07:07:18
End at: 2018-03-27 07:07:48
Local clock offset: -6.379 ms
Remote clock offset: -6.434 ms


# Below is generated by plot.py at 2018-03-27 08:12:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.794 ms
Loss rate: 11.99%
-- Flow 1:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.794 ms
Loss rate: 11.99%
```

Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 110.19 Mbit/s) ----   Flow 1 egress (mean 96.89 Mbit/s) ——

Flow 1 (95th percentile 30.79 ms)

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

Start at: 2018-03-27 03:59:28
End at: 2018-03-27 03:59:58
Local clock offset: -6.894 ms
Remote clock offset: -7.906 ms

# Below is generated by plot.py at 2018-03-27 08:12:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 5.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 5.207 ms
Loss rate: 0.00%
```
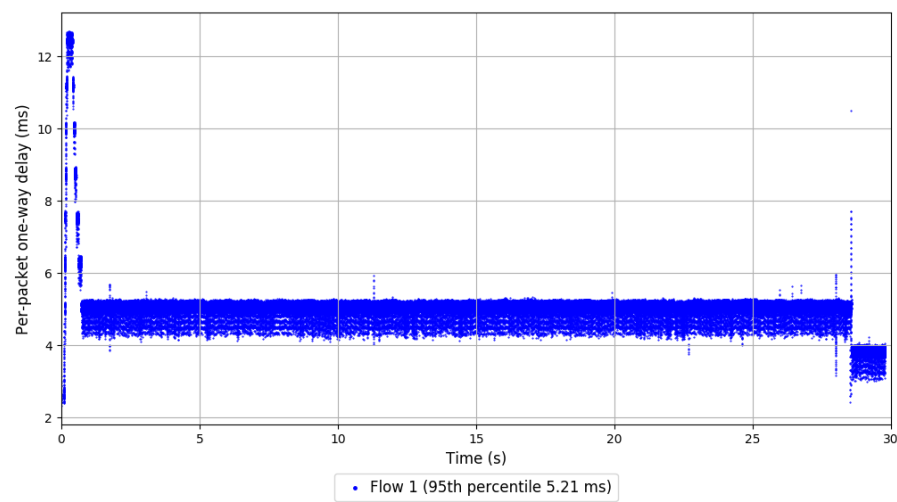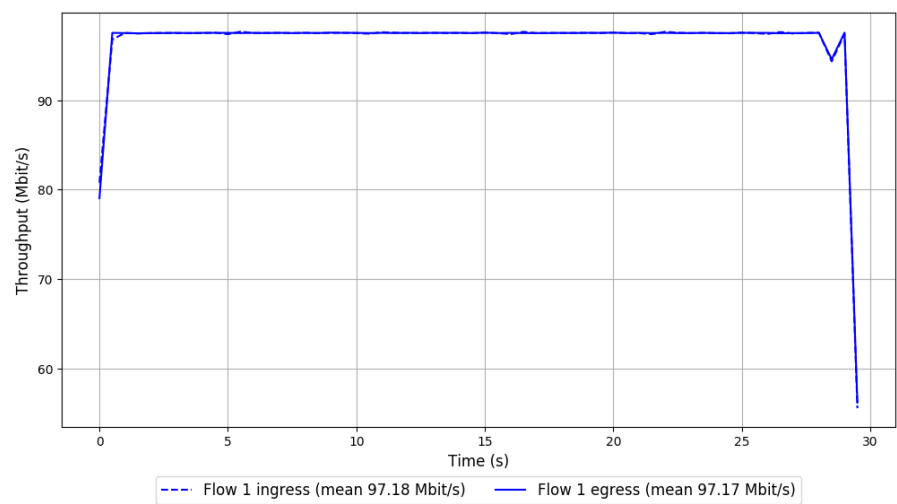
Run 1: Report of Indigo-1-32 — Data Link

```
Run 2: Statistics of Indigo-1-32

Start at: 2018-03-27 04:19:45
End at: 2018-03-27 04:20:15
Local clock offset: -6.143 ms
Remote clock offset: -8.256 ms


# Below is generated by plot.py at 2018-03-27 08:12:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.107 ms
Loss rate: 0.00%
```
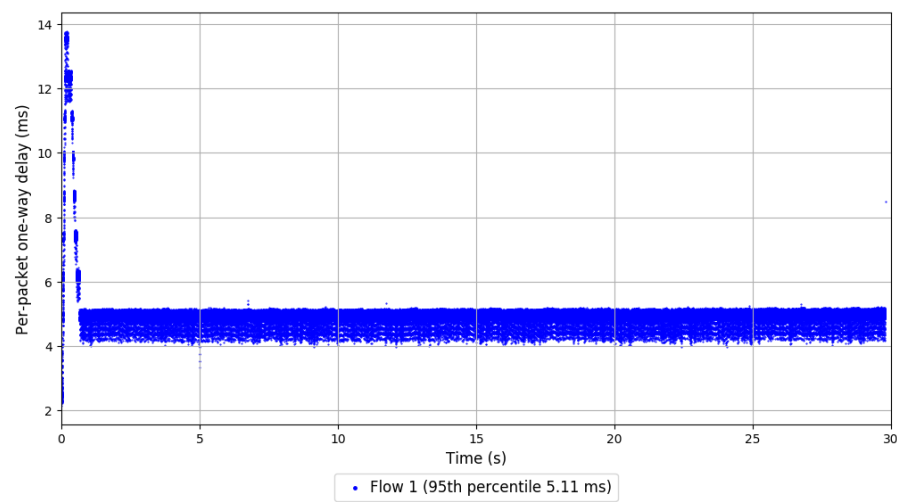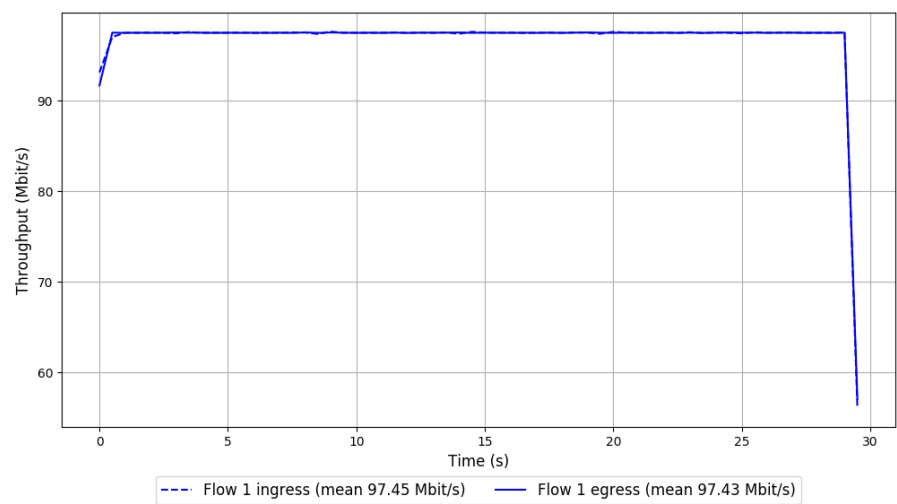
Run 2: Report of Indigo-1-32 — Data Link

```
Run 3: Statistics of Indigo-1-32

Start at: 2018-03-27 04:40:08
End at: 2018-03-27 04:40:38
Local clock offset: -5.63 ms
Remote clock offset: -6.745 ms


# Below is generated by plot.py at 2018-03-27 08:12:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 5.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 5.157 ms
Loss rate: 0.00%
```
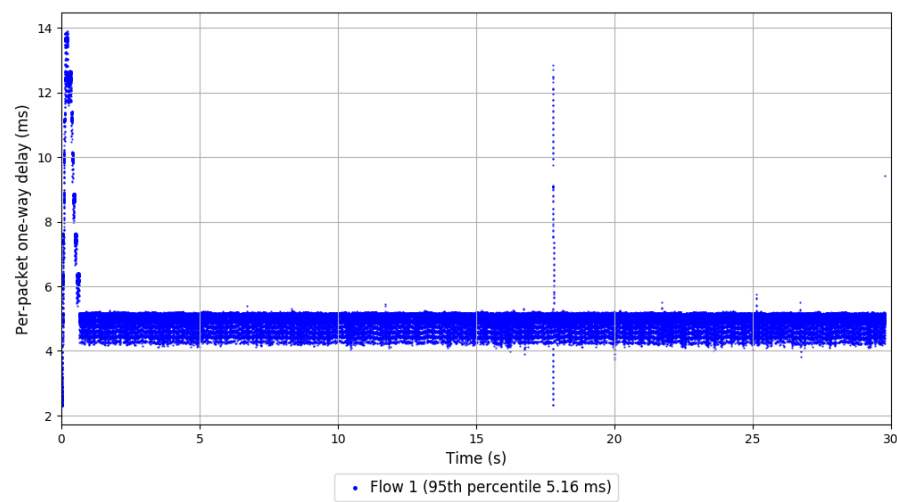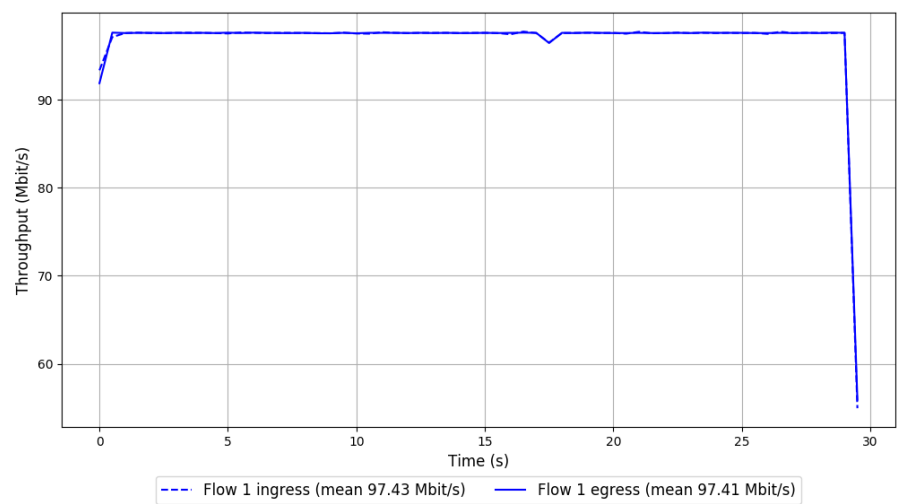
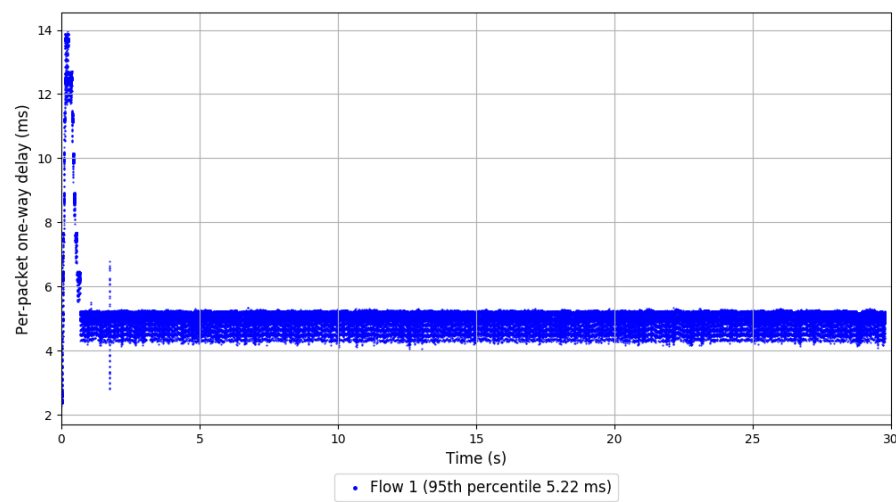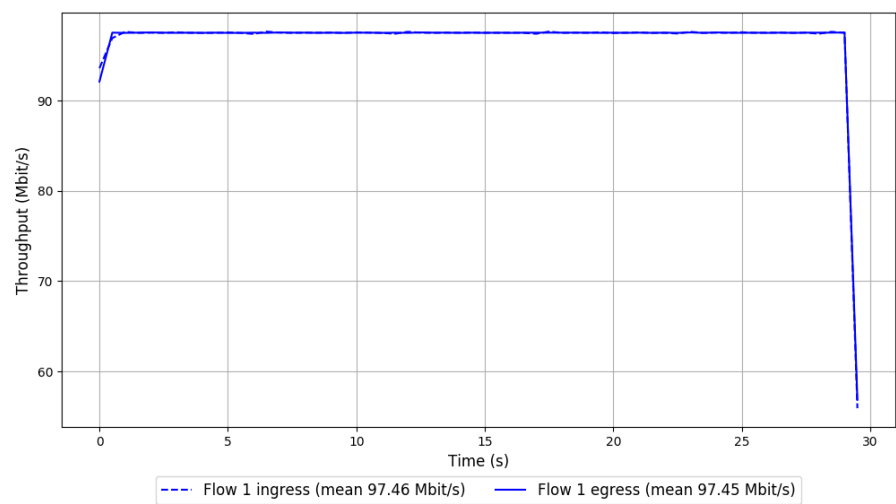Run 3: Report of Indigo-1-32 — Data Link

```
Run 4: Statistics of Indigo-1-32

Start at: 2018-03-27 05:00:27
End at: 2018-03-27 05:00:57
Local clock offset: -6.777 ms
Remote clock offset: -6.679 ms

# Below is generated by plot.py at 2018-03-27 08:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 5.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 5.216 ms
Loss rate: 0.00%
```

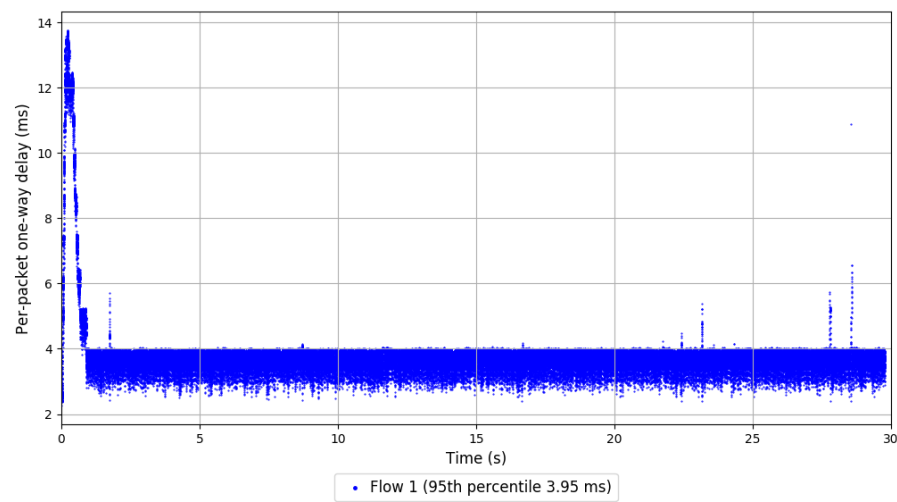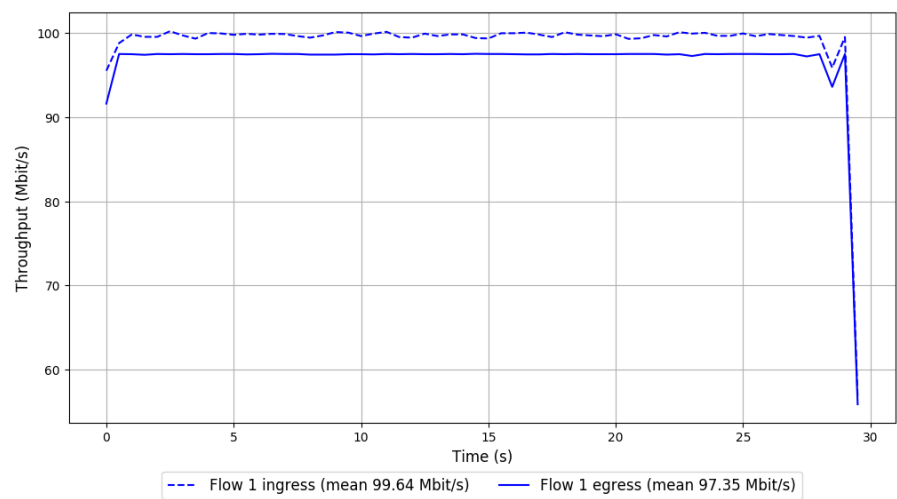Run 4: Report of Indigo-1-32 — Data Link

```
Run 5: Statistics of Indigo-1-32

Start at: 2018-03-27 05:20:49
End at: 2018-03-27 05:21:19
Local clock offset: -7.072 ms
Remote clock offset: -7.001 ms


# Below is generated by plot.py at 2018-03-27 08:13:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 3.954 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 3.954 ms
Loss rate: 2.29%
```

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

```
Run 6: Statistics of Indigo-1-32

Start at: 2018-03-27 05:41:12
End at: 2018-03-27 05:41:42
Local clock offset: -6.724 ms
Remote clock offset: -6.57 ms


# Below is generated by plot.py at 2018-03-27 08:13:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.125 ms
Loss rate: 0.00%
```
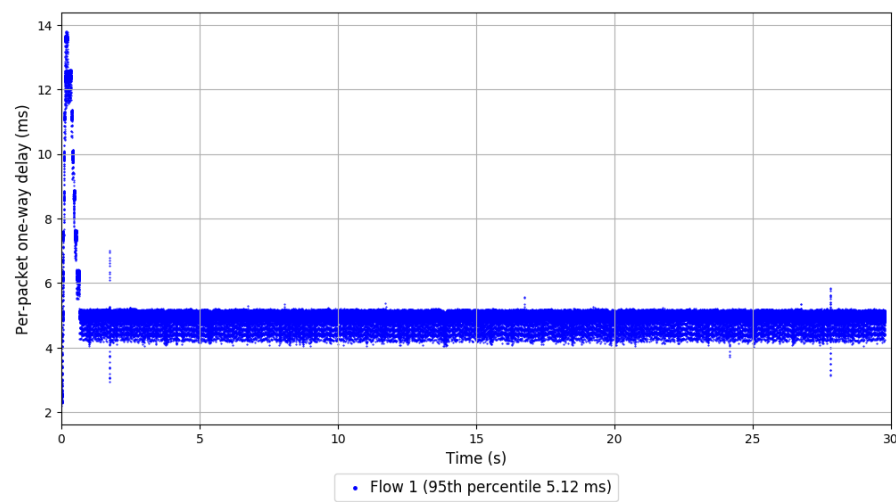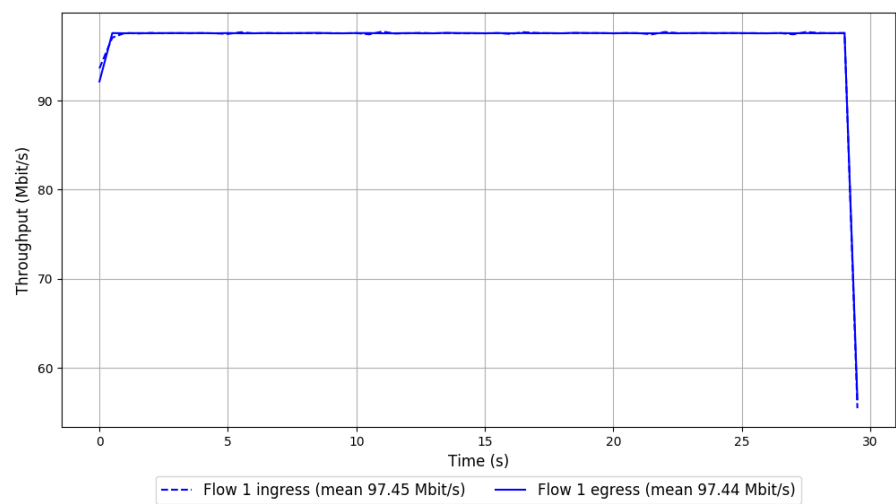
Run 6: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 97.45 Mbit/s)   Flow 1 egress (mean 97.44 Mbit/s)

Flow 1 (95th percentile 5.12 ms)

```
Run 7: Statistics of Indigo-1-32

Start at: 2018-03-27 06:01:33
End at: 2018-03-27 06:02:03
Local clock offset: -6.055 ms
Remote clock offset: -6.323 ms


# Below is generated by plot.py at 2018-03-27 08:14:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.170 ms
Loss rate: 0.00%
```
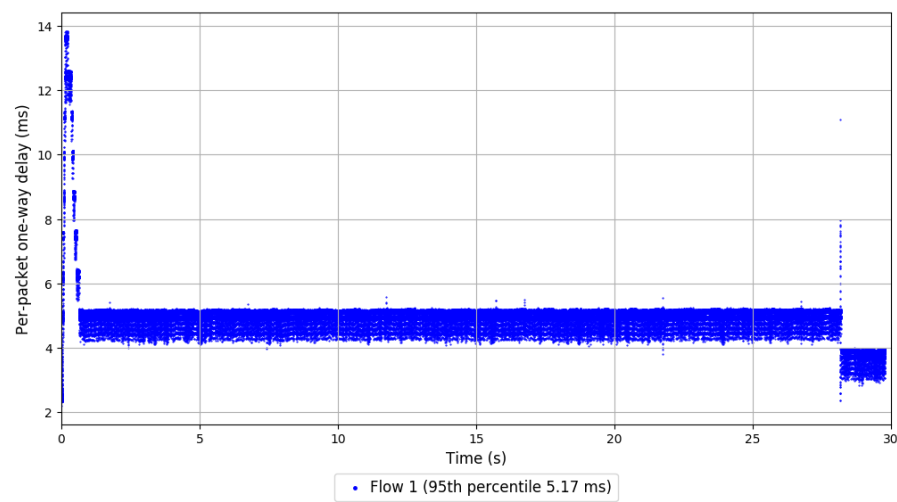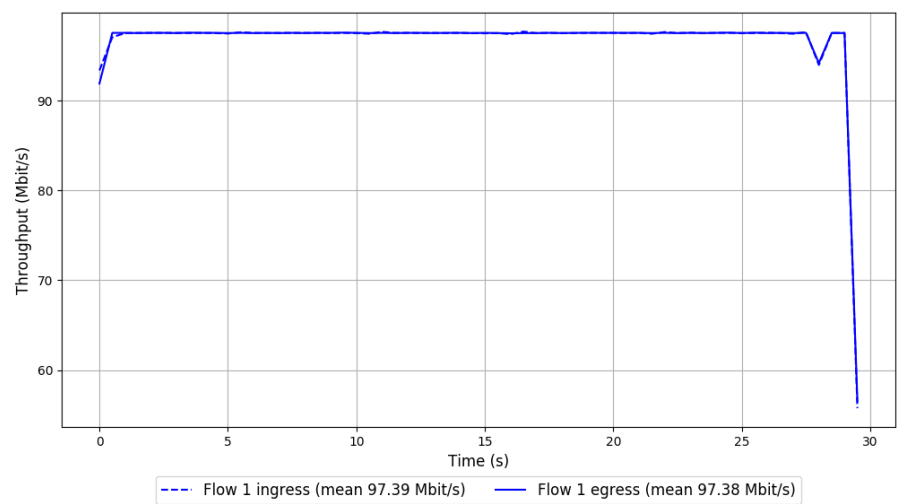
Run 7: Report of Indigo-1-32 — Data Link

Run 8: Statistics of Indigo-1-32

Start at: 2018-03-27 06:21:58
End at: 2018-03-27 06:22:28
Local clock offset: -5.517 ms
Remote clock offset: -6.241 ms

Below is generated by plot.py at 2018-03-27 08:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.173 ms
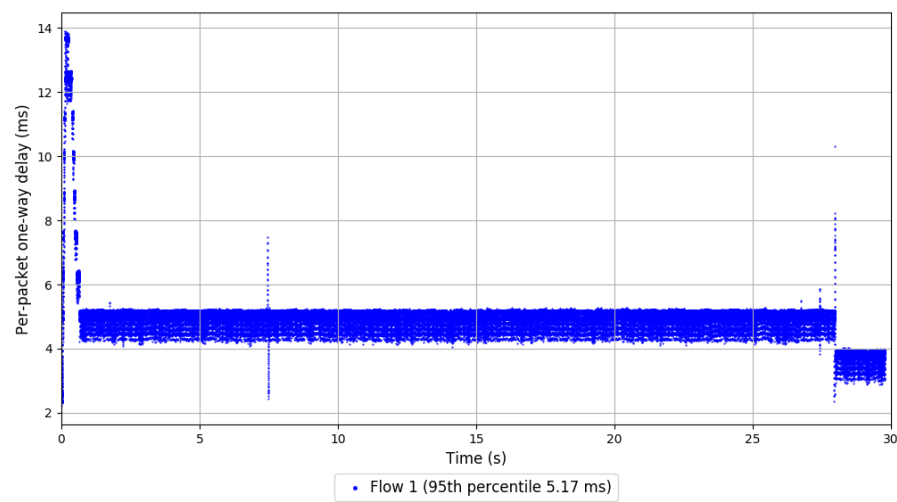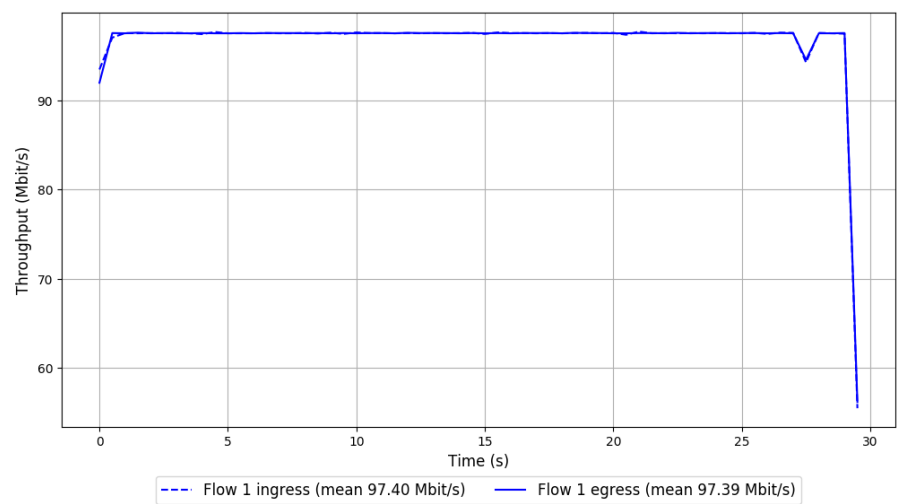Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.173 ms
Loss rate: 0.00%

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

Flow 1 ingress (mean 97.40 Mbit/s) ---- Flow 1 egress (mean 97.39 Mbit/s) ——

Flow 1 (95th percentile 5.17 ms)

```
Run 9: Statistics of Indigo-1-32

Start at: 2018-03-27 06:42:22
End at: 2018-03-27 06:42:52
Local clock offset: -5.695 ms
Remote clock offset: -6.275 ms

# Below is generated by plot.py at 2018-03-27 08:14:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.119 ms
Loss rate: 0.00%
```
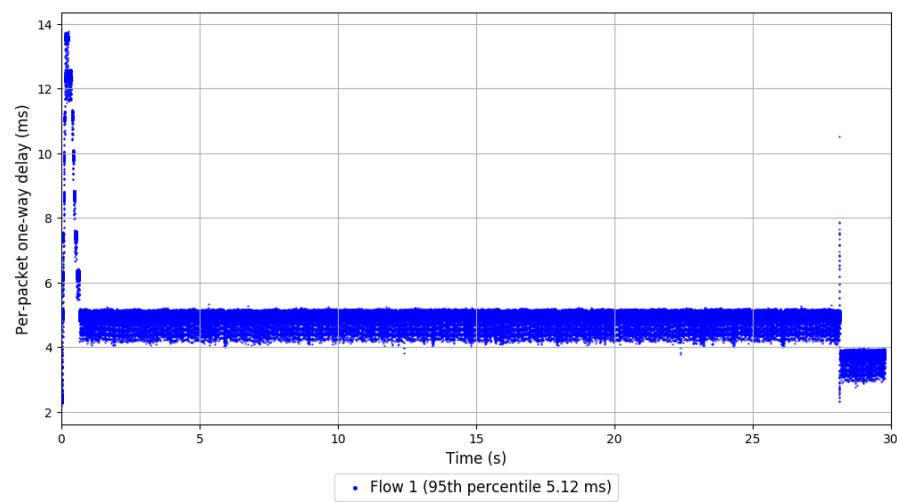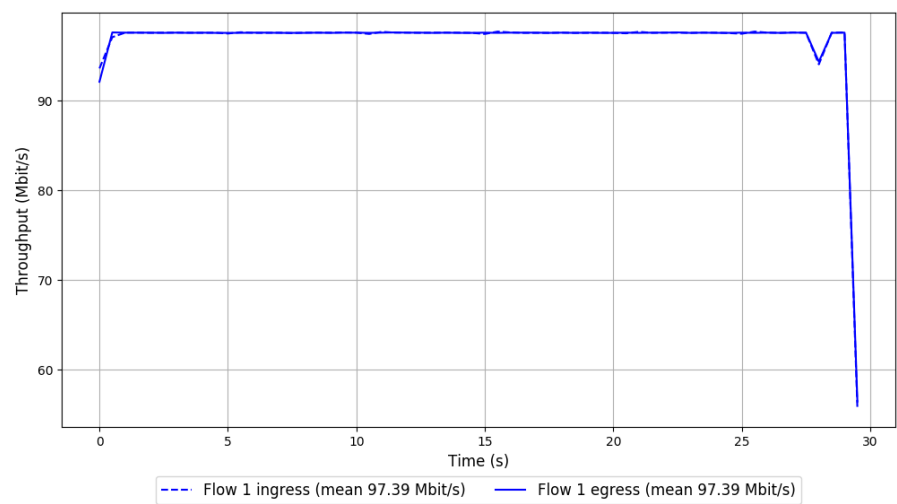
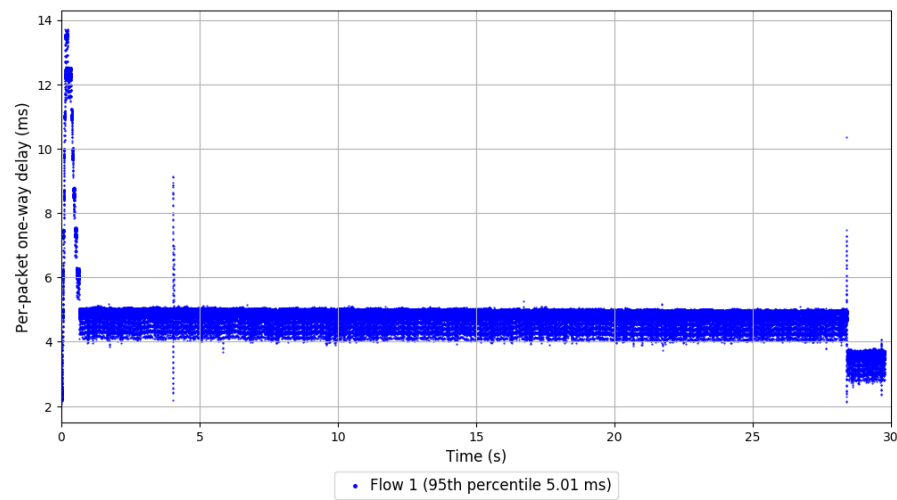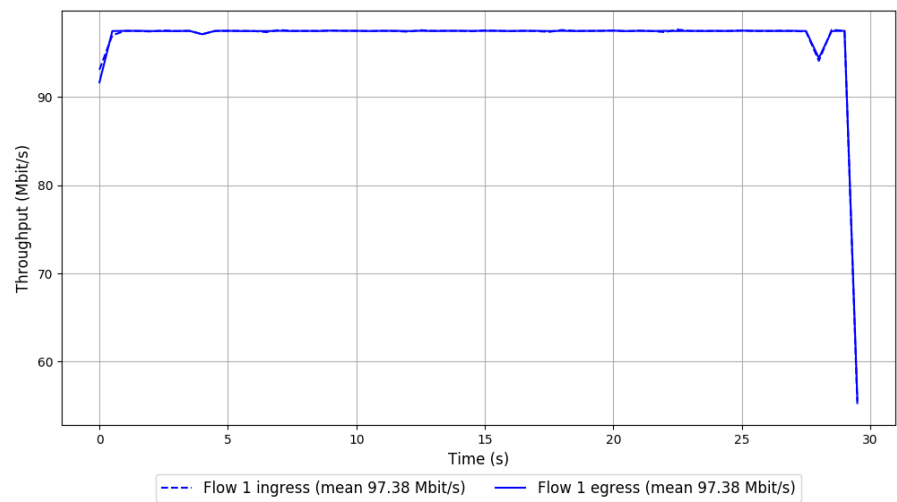Run 9: Report of Indigo-1-32 — Data Link

```
Run 10: Statistics of Indigo-1-32

Start at: 2018-03-27 07:02:45
End at: 2018-03-27 07:03:15
Local clock offset: -5.765 ms
Remote clock offset: -6.428 ms


# Below is generated by plot.py at 2018-03-27 08:14:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.007 ms
Loss rate: 0.00%
```

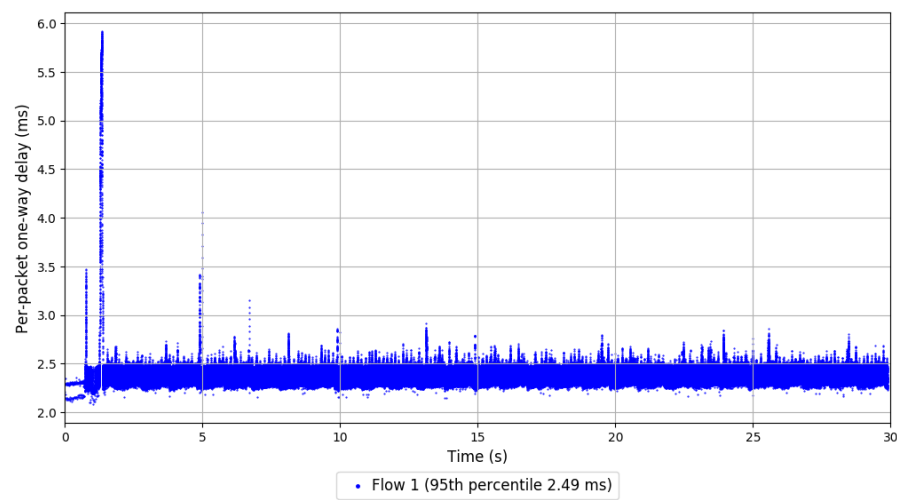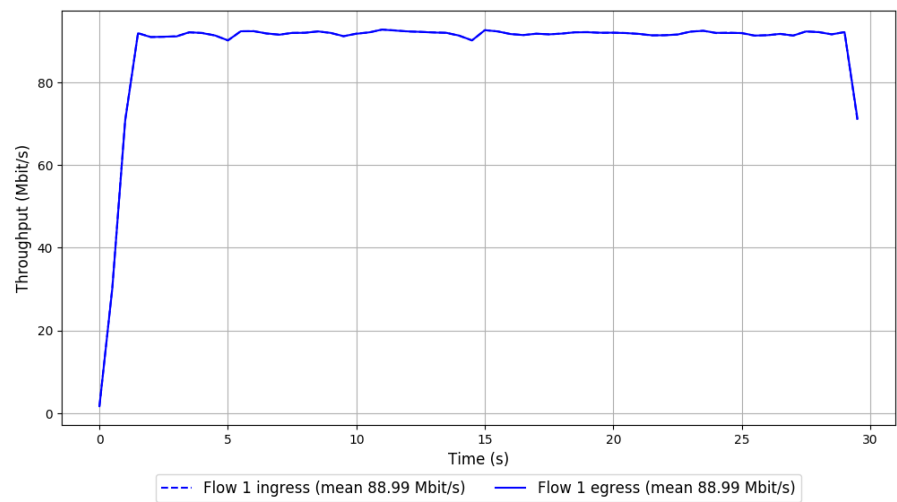Run 10: Report of Indigo-1-32 — Data Link

```
Run 1: Statistics of Vivace-latency

Start at: 2018-03-27 04:08:24
End at: 2018-03-27 04:08:54
Local clock offset: -6.824 ms
Remote clock offset: -8.071 ms


# Below is generated by plot.py at 2018-03-27 08:14:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.99 Mbit/s
95th percentile per-packet one-way delay: 2.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.99 Mbit/s
95th percentile per-packet one-way delay: 2.487 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 88.99 Mbit/s) --- Flow 1 egress (mean 88.99 Mbit/s)
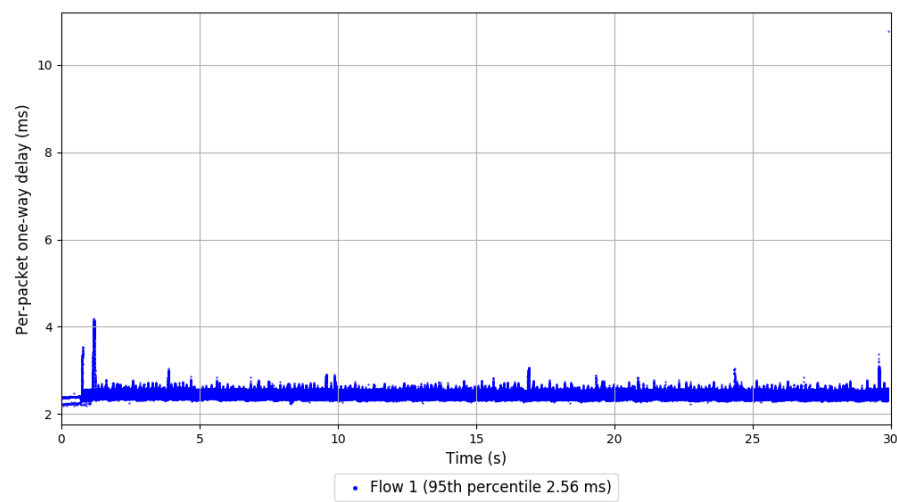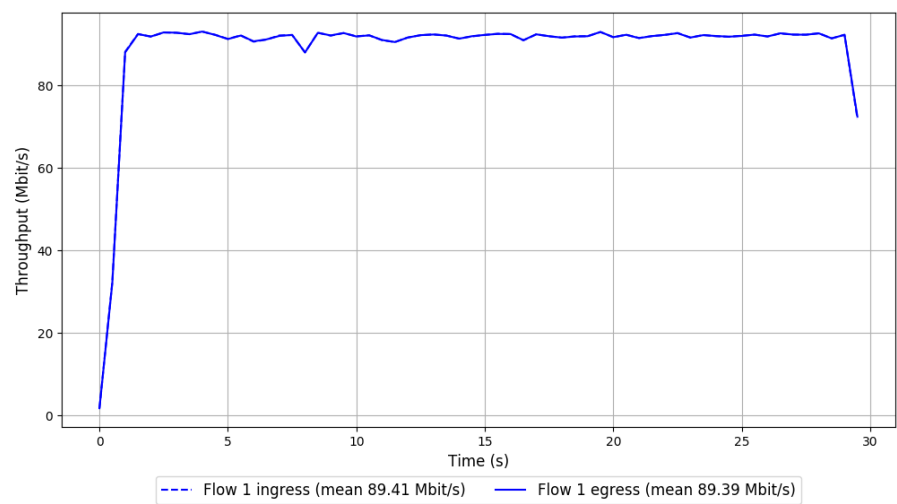

Flow 1 (95th percentile 2.49 ms)

```
Run 2: Statistics of Vivace-latency

Start at: 2018-03-27 04:28:43
End at: 2018-03-27 04:29:13
Local clock offset: -5.888 ms
Remote clock offset: -7.389 ms


# Below is generated by plot.py at 2018-03-27 08:14:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 2.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 2.562 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 89.41 Mbit/s)   Flow 1 egress (mean 89.39 Mbit/s)
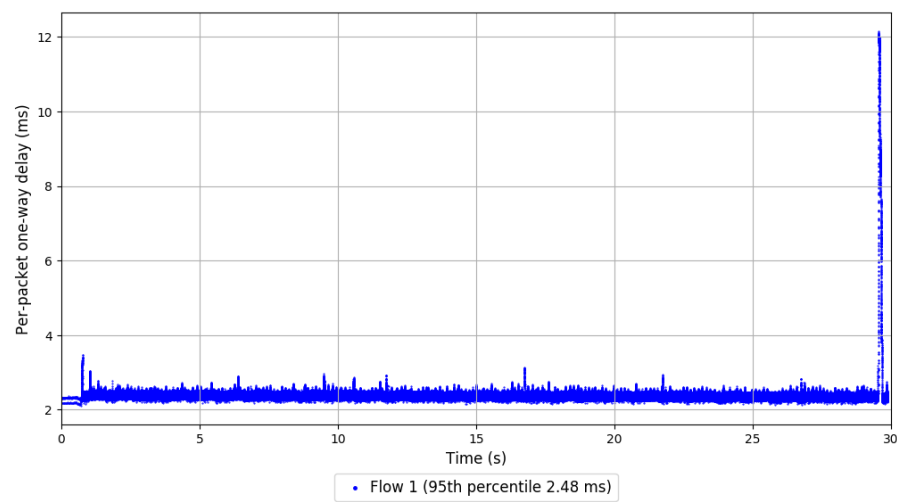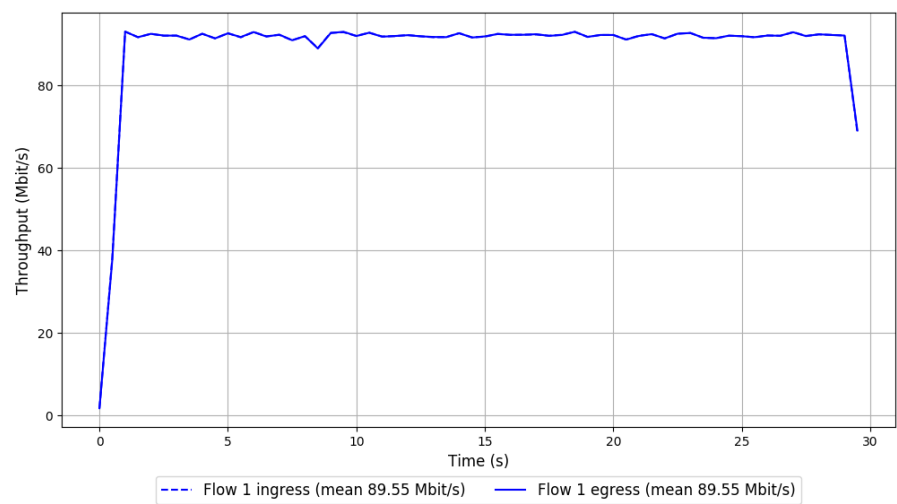
Flow 1 (95th percentile 2.56 ms)

```
Run 3: Statistics of Vivace-latency

Start at: 2018-03-27 04:49:07
End at: 2018-03-27 04:49:37
Local clock offset: -6.016 ms
Remote clock offset: -6.533 ms


# Below is generated by plot.py at 2018-03-27 08:15:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 2.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 2.482 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 89.55 Mbit/s) —— Flow 1 egress (mean 89.55 Mbit/s)
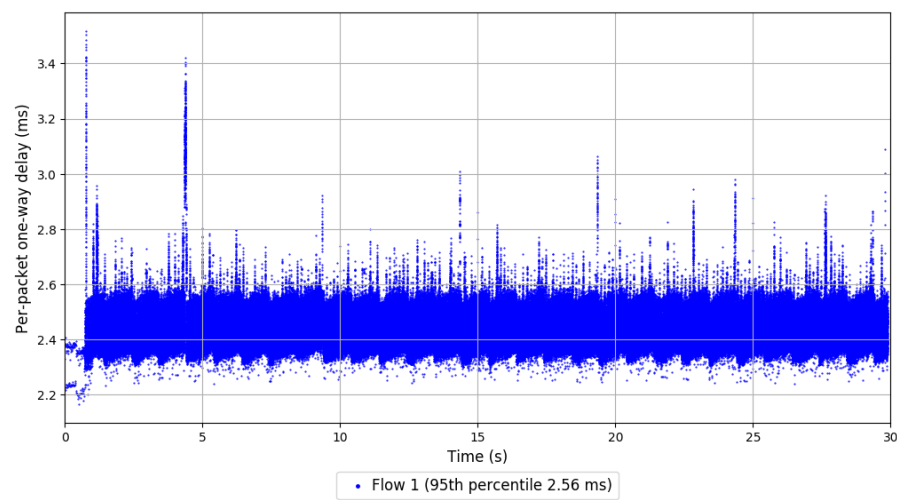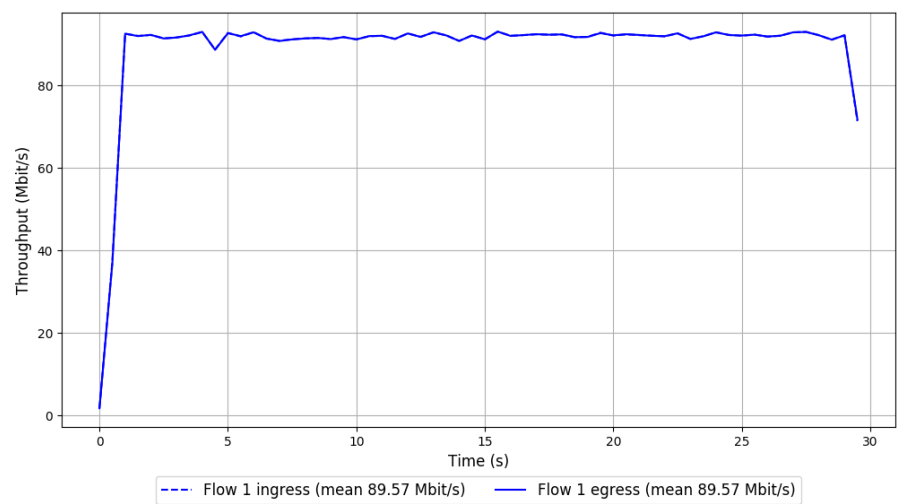

• Flow 1 (95th percentile 2.48 ms)

```
Run 4: Statistics of Vivace-latency

Start at: 2018-03-27 05:09:27
End at: 2018-03-27 05:09:57
Local clock offset: -6.917 ms
Remote clock offset: -6.902 ms


# Below is generated by plot.py at 2018-03-27 08:15:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 0.00%
```

Run 4: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 89.57 Mbit/s) — Flow 1 egress (mean 89.57 Mbit/s)
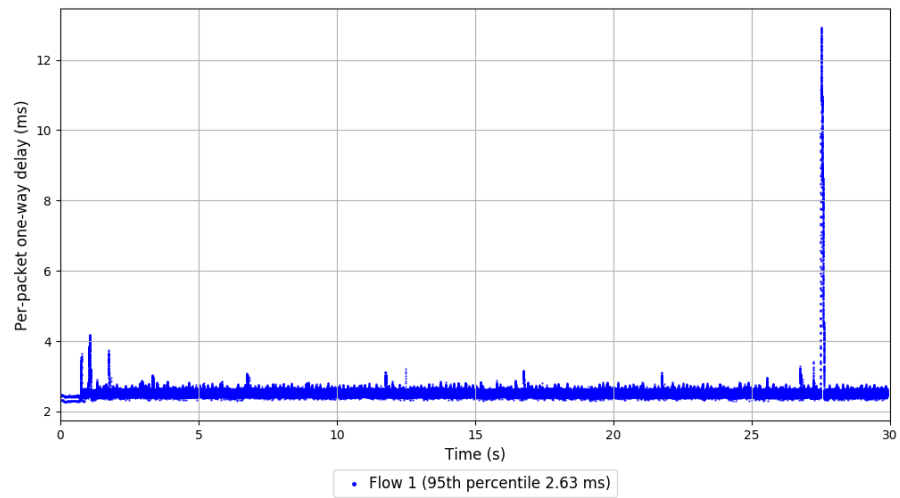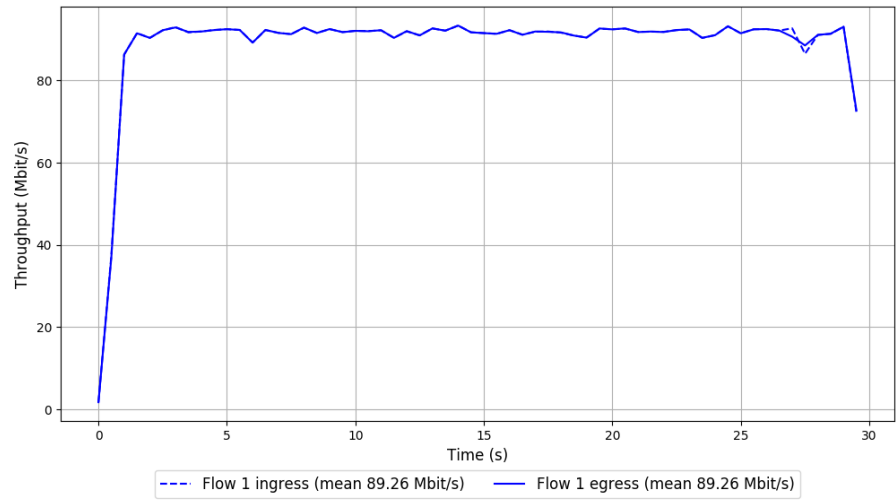

Flow 1 (95th percentile 2.56 ms)

```
Run 5: Statistics of Vivace-latency

Start at: 2018-03-27 05:29:48
End at: 2018-03-27 05:30:18
Local clock offset: -6.868 ms
Remote clock offset: -7.033 ms


# Below is generated by plot.py at 2018-03-27 08:15:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 2.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 2.628 ms
Loss rate: 0.00%
```

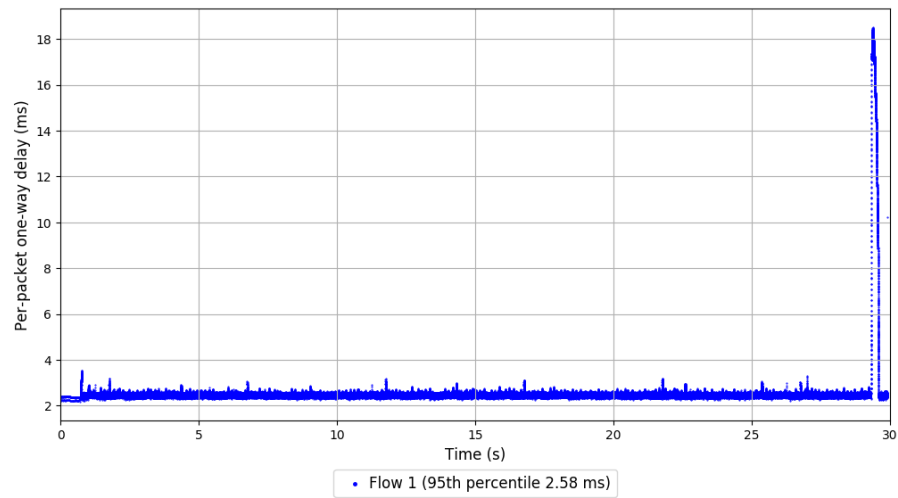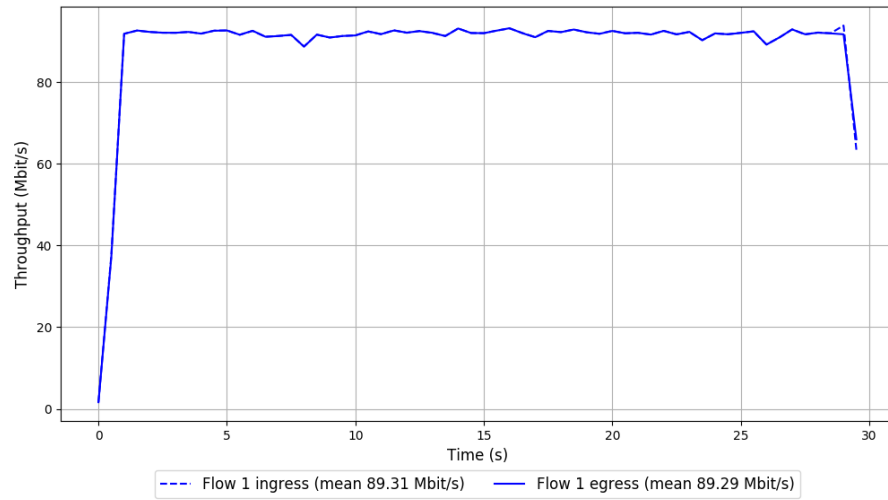Run 5: Report of Vivace-latency — Data Link

```
Run 6: Statistics of Vivace-latency

Start at: 2018-03-27 05:50:11
End at: 2018-03-27 05:50:41
Local clock offset: -6.712 ms
Remote clock offset: -6.436 ms


# Below is generated by plot.py at 2018-03-27 08:15:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 2.576 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 2.576 ms
Loss rate: 0.00%
```

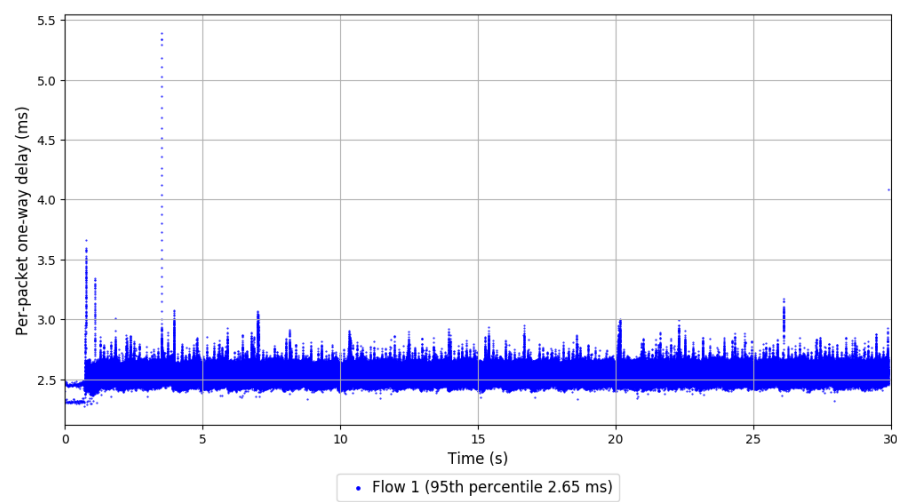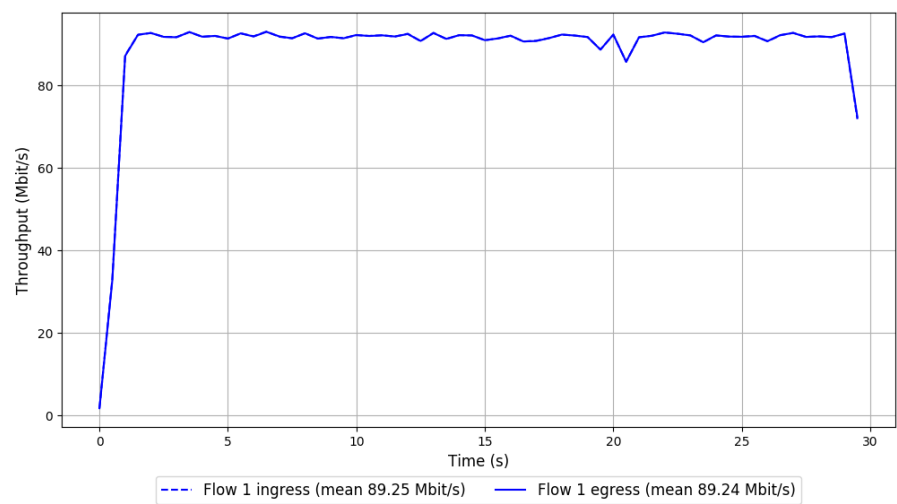Run 6: Report of Vivace-latency — Data Link

```
Run 7: Statistics of Vivace-latency

Start at: 2018-03-27 06:10:32
End at: 2018-03-27 06:11:03
Local clock offset: -5.797 ms
Remote clock offset: -6.306 ms


# Below is generated by plot.py at 2018-03-27 08:15:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 2.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 2.654 ms
Loss rate: 0.00%
```

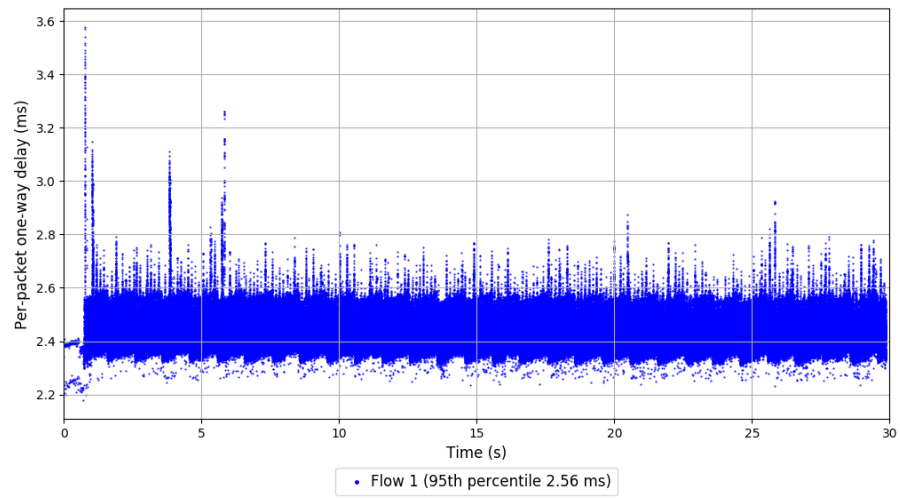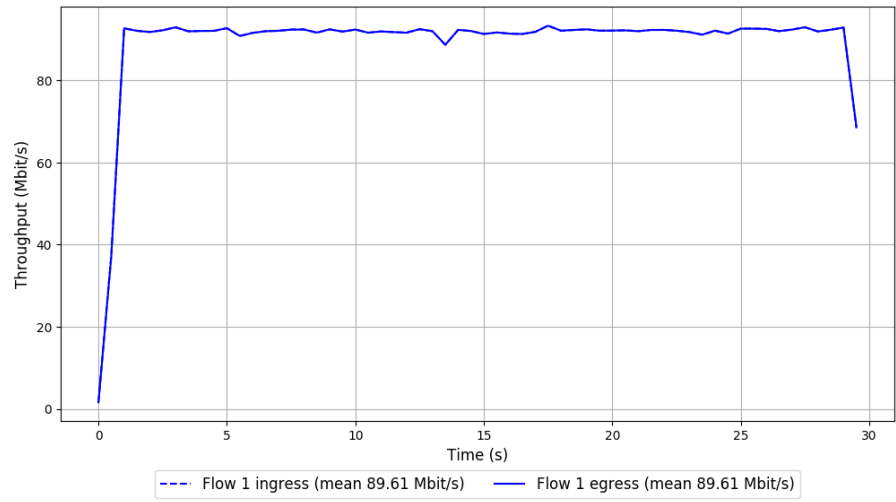## Run 7: Report of Vivace-latency — Data Link

```
Run 8: Statistics of Vivace-latency

Start at: 2018-03-27 06:30:57
End at: 2018-03-27 06:31:27
Local clock offset: -5.57 ms
Remote clock offset: -6.186 ms


# Below is generated by plot.py at 2018-03-27 08:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.00%
```

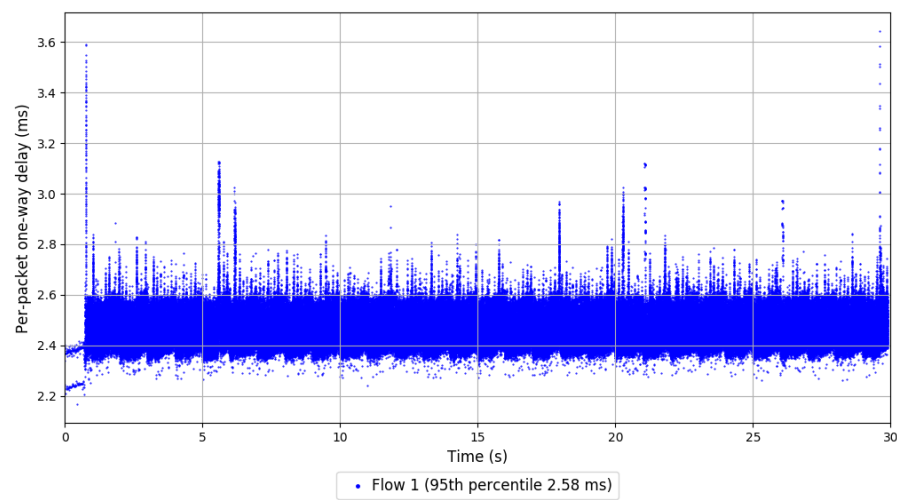Run 8: Report of Vivace-latency — Data Link

```
Run 9: Statistics of Vivace-latency

Start at: 2018-03-27 06:51:21
End at: 2018-03-27 06:51:51
Local clock offset: -5.681 ms
Remote clock offset: -6.388 ms


# Below is generated by plot.py at 2018-03-27 08:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 2.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 2.583 ms
Loss rate: 0.00%
```
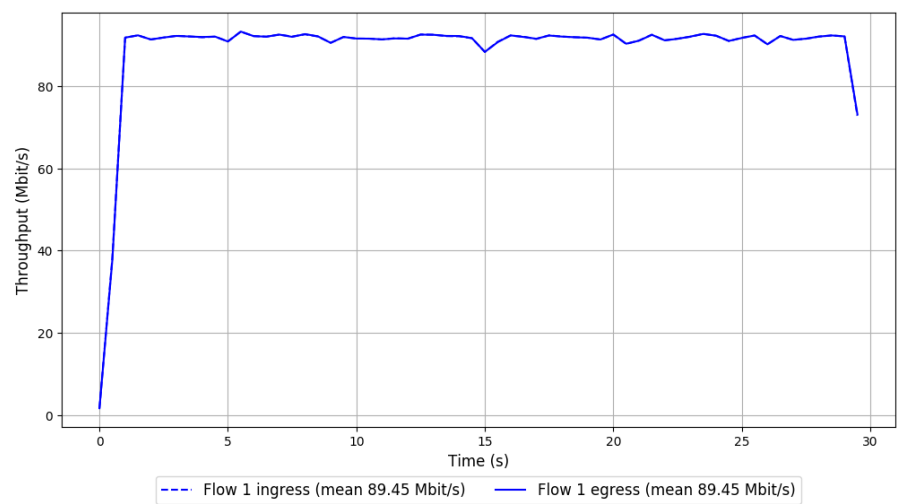
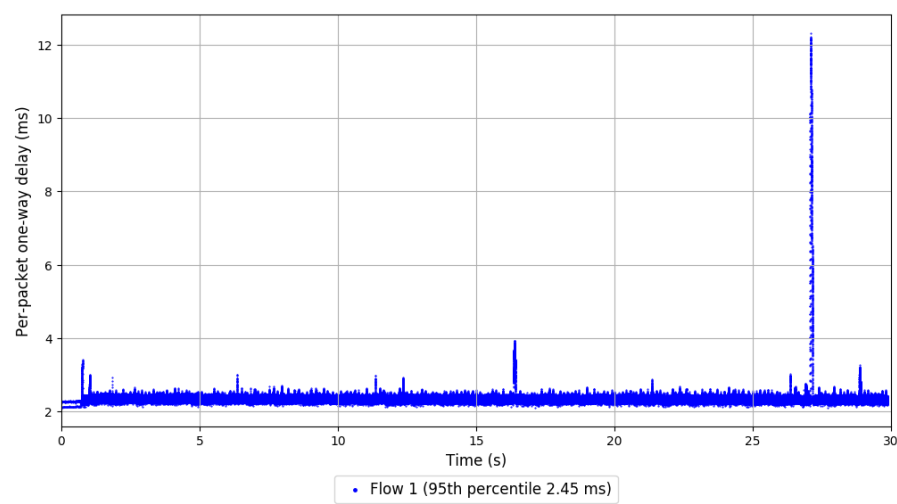Run 9: Report of Vivace-latency — Data Link

```
Run 10: Statistics of Vivace-latency

Start at: 2018-03-27 07:11:44
End at: 2018-03-27 07:12:14
Local clock offset: -6.735 ms
Remote clock offset: -6.495 ms


# Below is generated by plot.py at 2018-03-27 08:15:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.41 Mbit/s
95th percentile per-packet one-way delay: 2.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.41 Mbit/s
95th percentile per-packet one-way delay: 2.454 ms
Loss rate: 0.00%
```

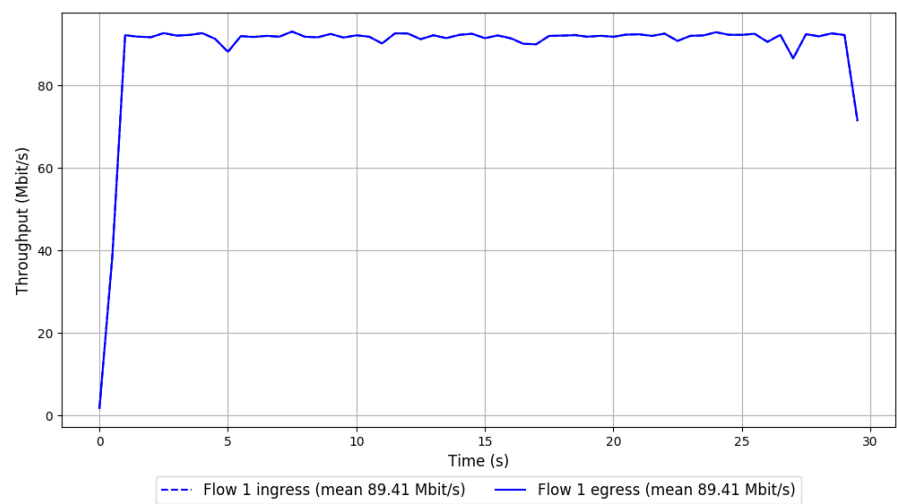Run 10: Report of Vivace-latency — Data Link

```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-27 03:57:08
End at: 2018-03-27 03:57:38
Local clock offset: -6.825 ms
Remote clock offset: -7.863 ms


# Below is generated by plot.py at 2018-03-27 08:16:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 32.171 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 32.171 ms
Loss rate: 2.11%
```
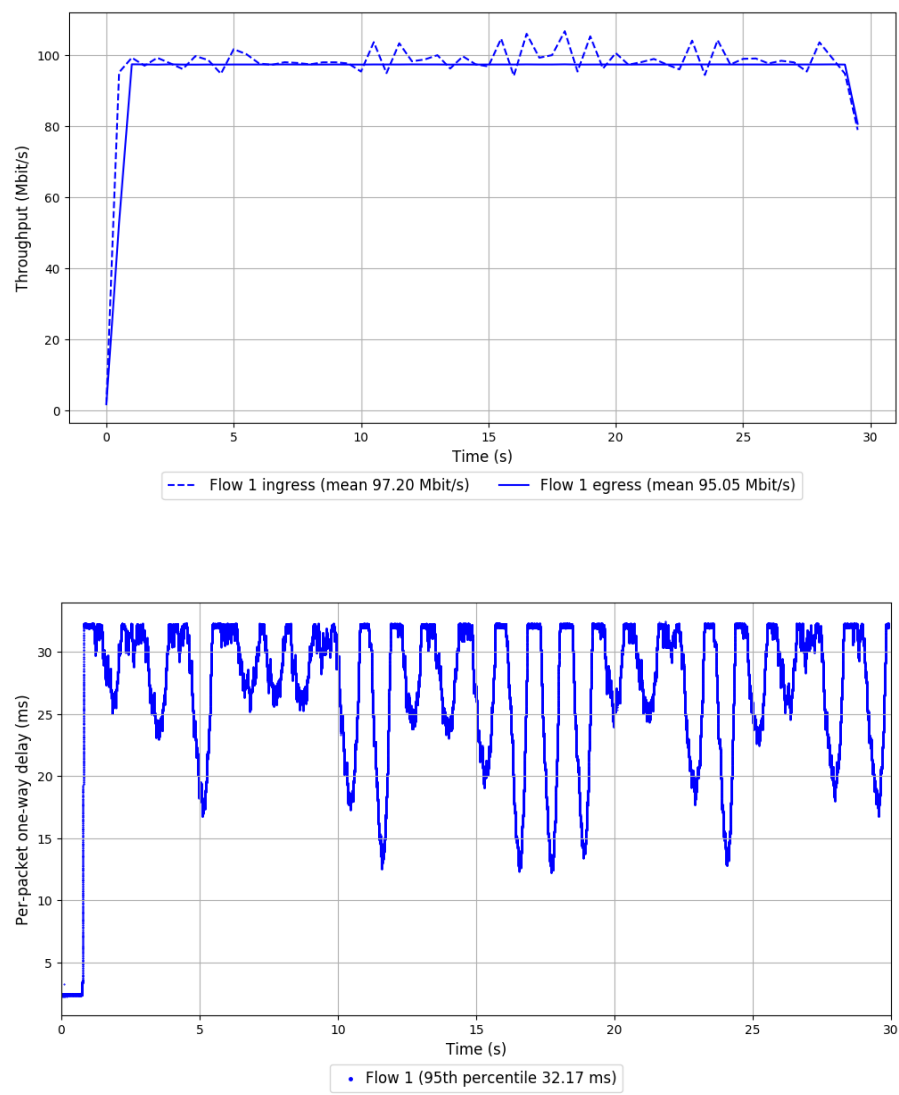
Run 1: Report of Vivace-loss — Data Link

```
Run 2: Statistics of Vivace-loss

Start at: 2018-03-27 04:17:24
End at: 2018-03-27 04:17:54
Local clock offset: -6.287 ms
Remote clock offset: -8.157 ms


# Below is generated by plot.py at 2018-03-27 08:16:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.186 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.186 ms
Loss rate: 3.22%
```
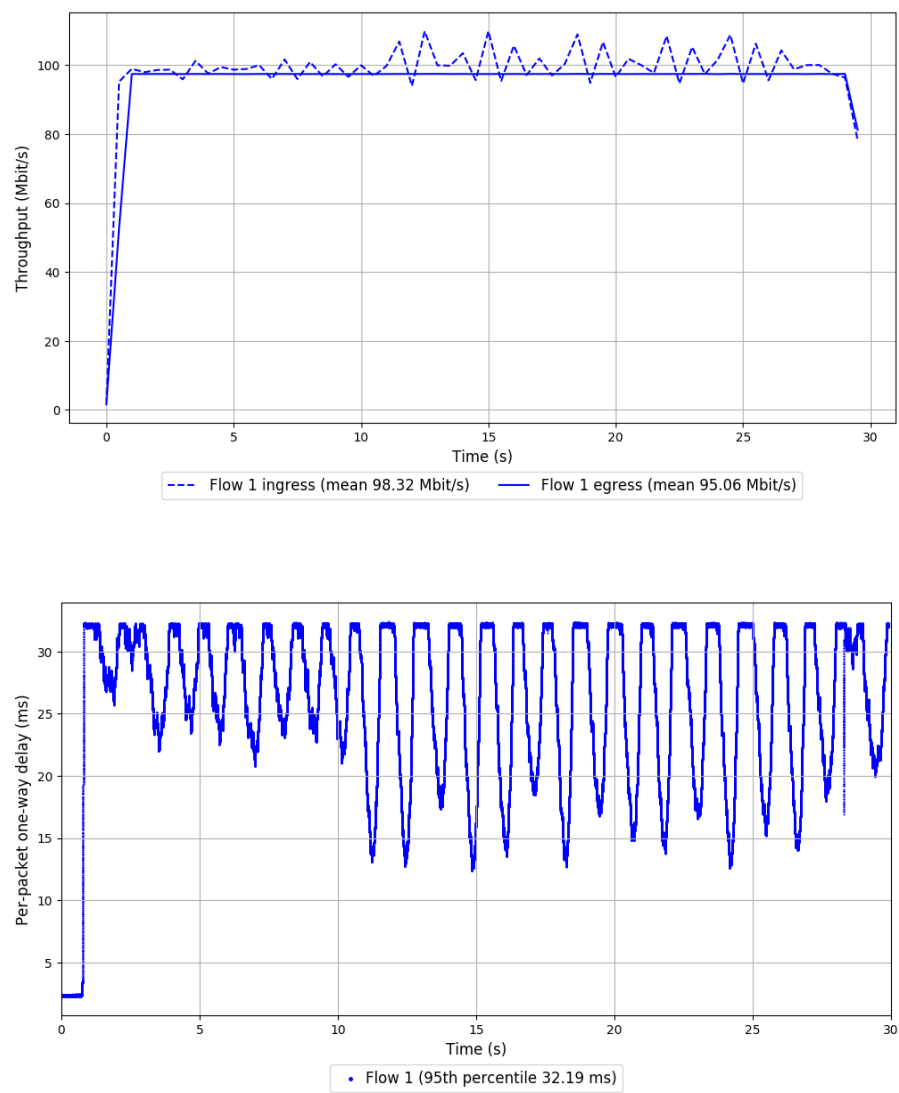
Run 2: Report of Vivace-loss — Data Link

```
Run 3: Statistics of Vivace-loss

Start at: 2018-03-27 04:37:48
End at: 2018-03-27 04:38:18
Local clock offset: -5.728 ms
Remote clock offset: -6.822 ms


# Below is generated by plot.py at 2018-03-27 08:16:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 32.192 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 32.192 ms
Loss rate: 3.43%
```
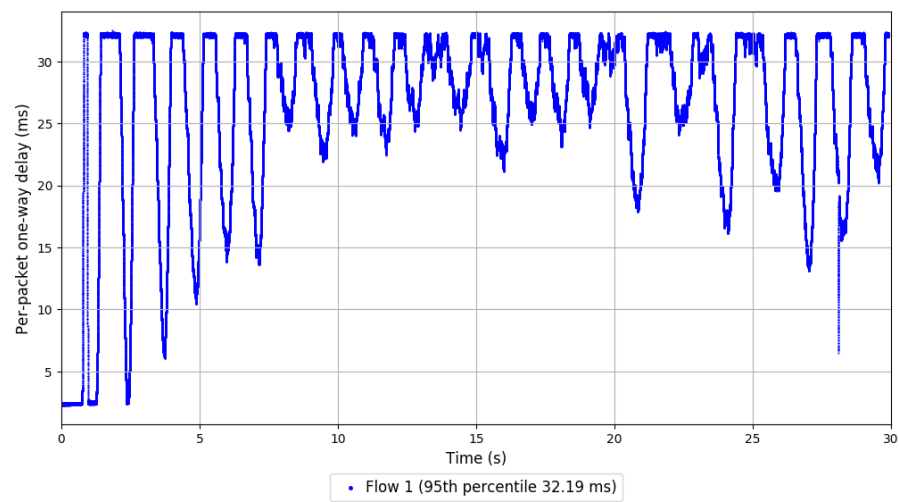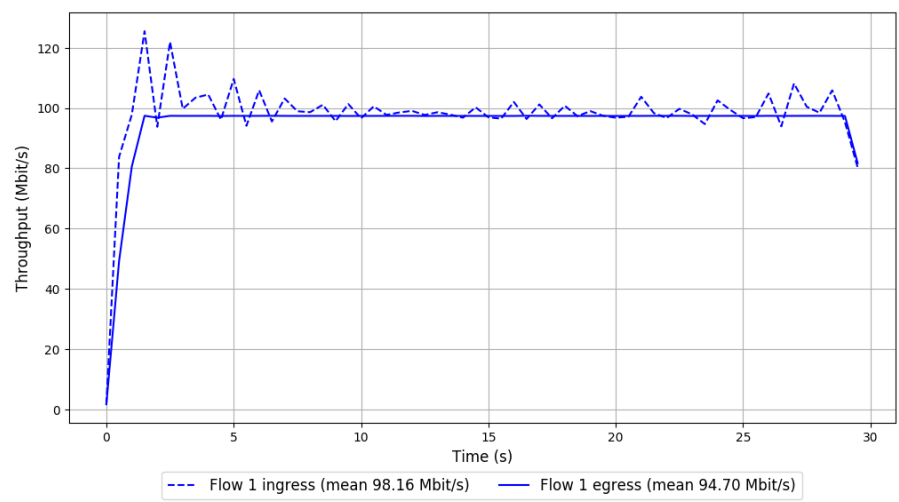
Run 3: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 98.16 Mbit/s)   Flow 1 egress (mean 94.70 Mbit/s)
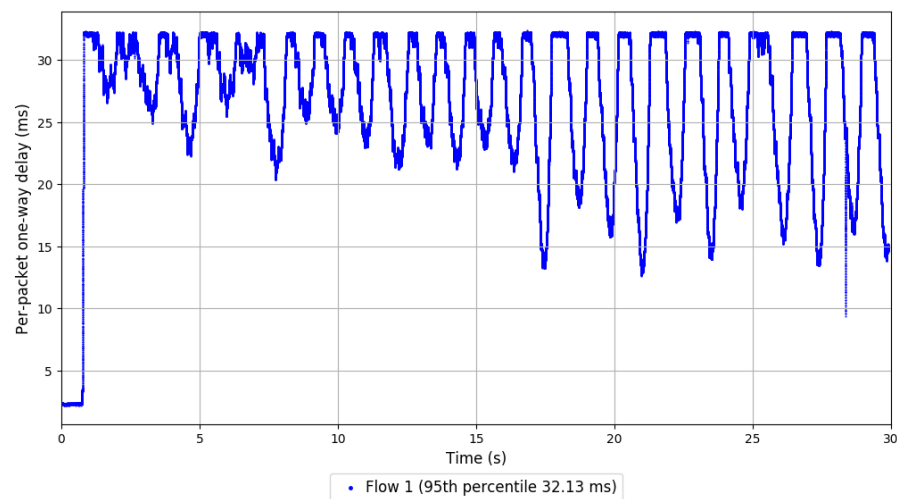

Flow 1 (95th percentile 32.19 ms)

```
Run 4: Statistics of Vivace-loss

Start at: 2018-03-27 04:58:07
End at: 2018-03-27 04:58:37
Local clock offset: -6.636 ms
Remote clock offset: -6.578 ms


# Below is generated by plot.py at 2018-03-27 08:16:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 32.128 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 32.128 ms
Loss rate: 2.71%
```

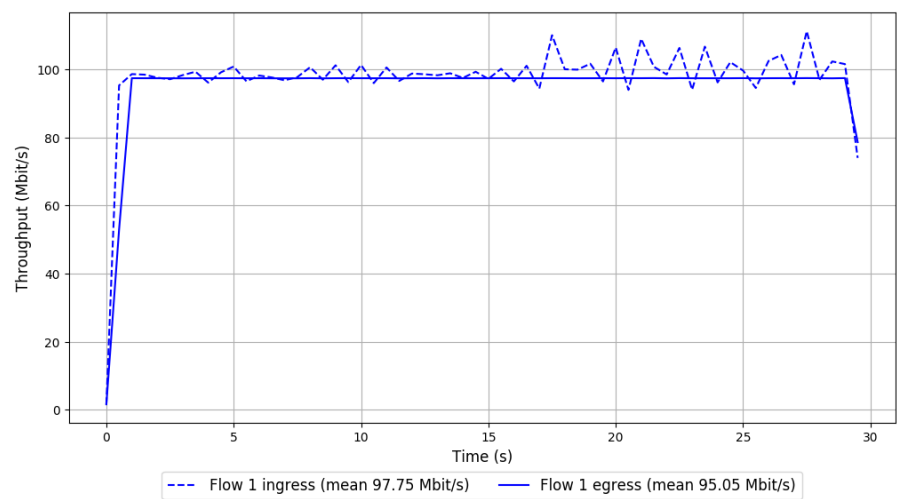Run 4: Report of Vivace-loss — Data Link

```
Run 5: Statistics of Vivace-loss

Start at: 2018-03-27 05:18:28
End at: 2018-03-27 05:18:59
Local clock offset: -7.05 ms
Remote clock offset: -6.972 ms


# Below is generated by plot.py at 2018-03-27 08:16:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 32.123 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 32.123 ms
Loss rate: 3.36%
```

Run 5: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 98.13 Mbit/s)   Flow 1 egress (mean 94.74 Mbit/s)

• Flow 1 (95th percentile 32.12 ms)

```
Run 6: Statistics of Vivace-loss

Start at: 2018-03-27 05:38:52
End at: 2018-03-27 05:39:22
Local clock offset: -6.8 ms
Remote clock offset: -6.642 ms


# Below is generated by plot.py at 2018-03-27 08:17:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.170 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.170 ms
Loss rate: 2.46%
```
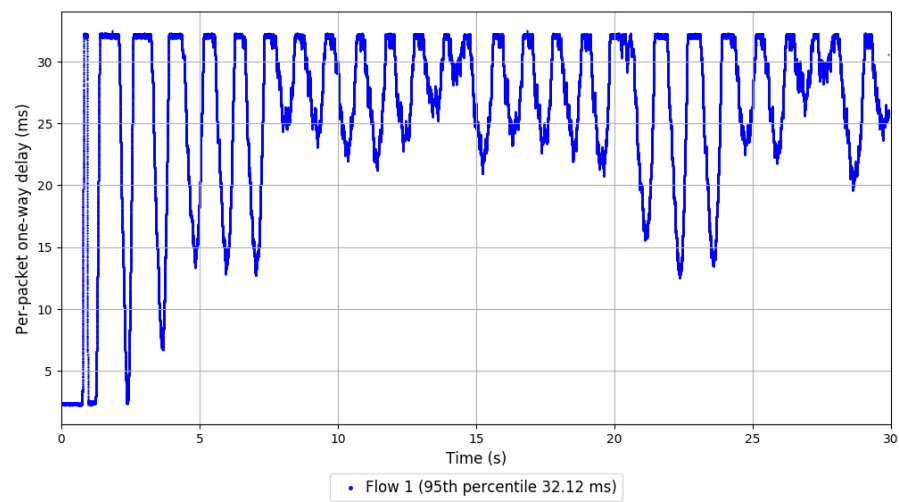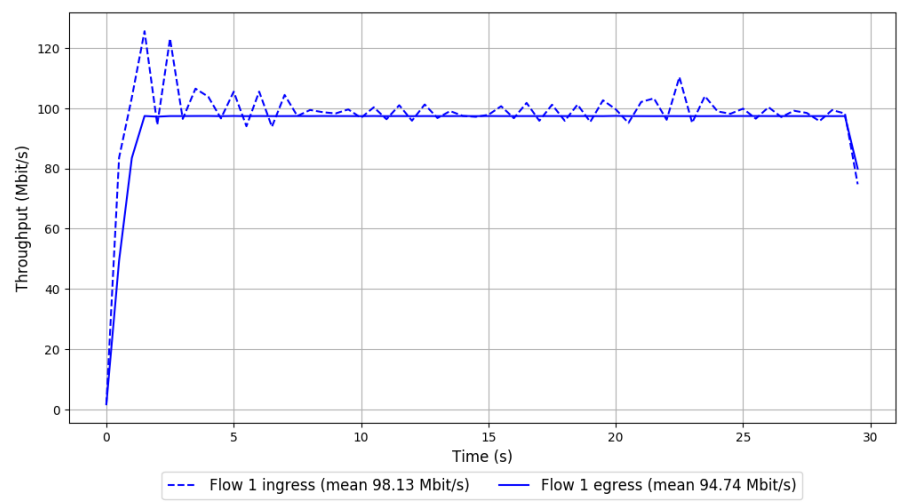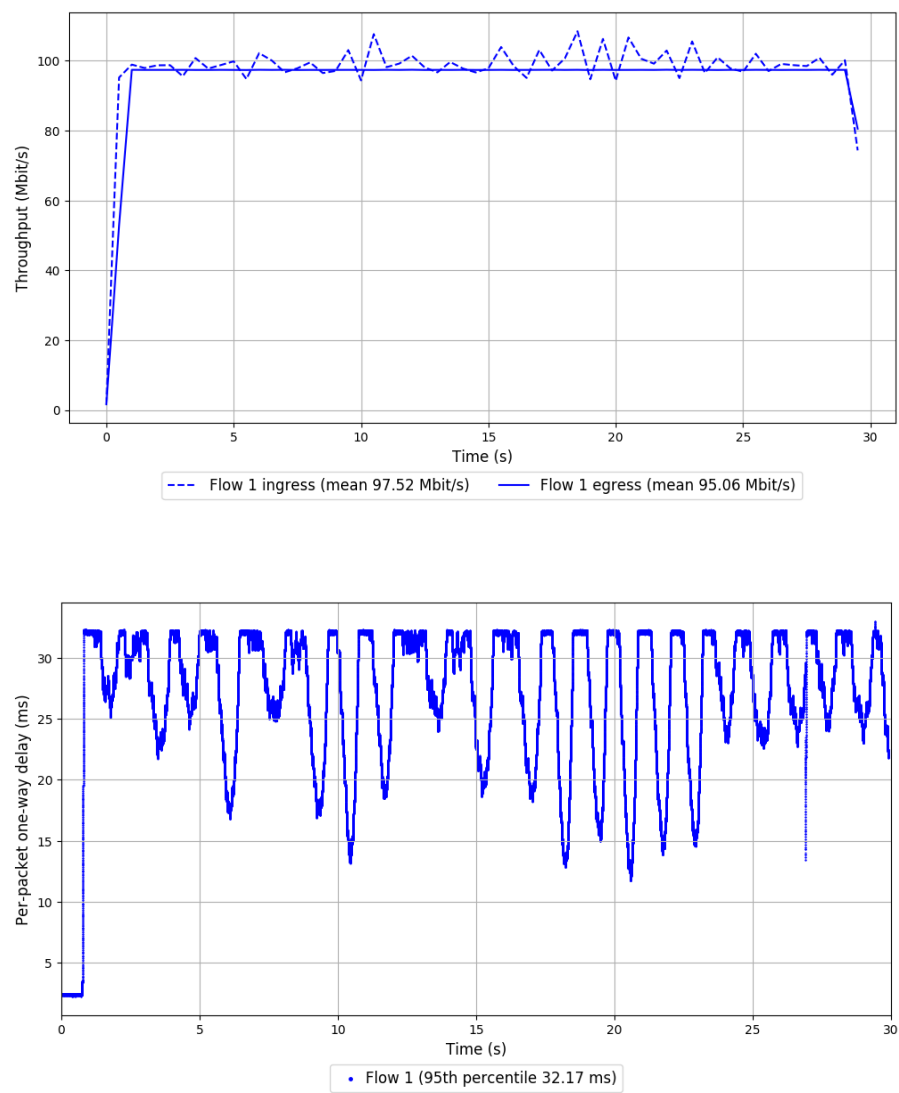
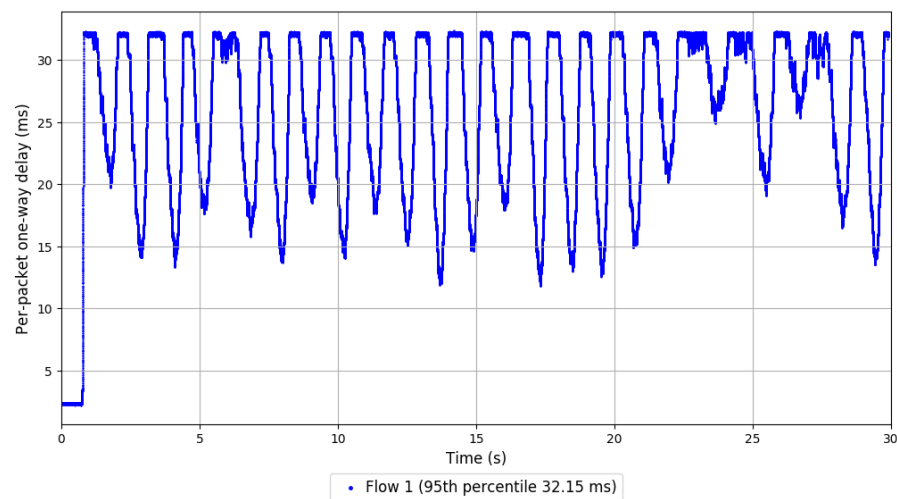Run 6: Report of Vivace-loss — Data Link

```
Run 7: Statistics of Vivace-loss

Start at: 2018-03-27 05:59:13
End at: 2018-03-27 05:59:43
Local clock offset: -6.183 ms
Remote clock offset: -6.351 ms


# Below is generated by plot.py at 2018-03-27 08:17:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 3.13%
```
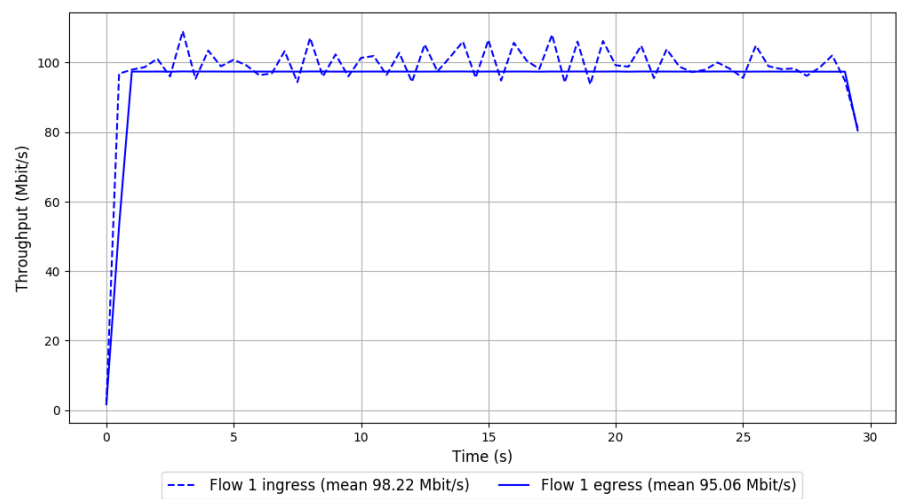
Run 7: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 98.22 Mbit/s)   Flow 1 egress (mean 95.06 Mbit/s)

• Flow 1 (95th percentile 32.15 ms)

```
Run 8: Statistics of Vivace-loss

Start at: 2018-03-27 06:19:37
End at: 2018-03-27 06:20:07
Local clock offset: -5.558 ms
Remote clock offset: -6.26 ms


# Below is generated by plot.py at 2018-03-27 08:17:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 32.135 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 32.135 ms
Loss rate: 3.23%
```
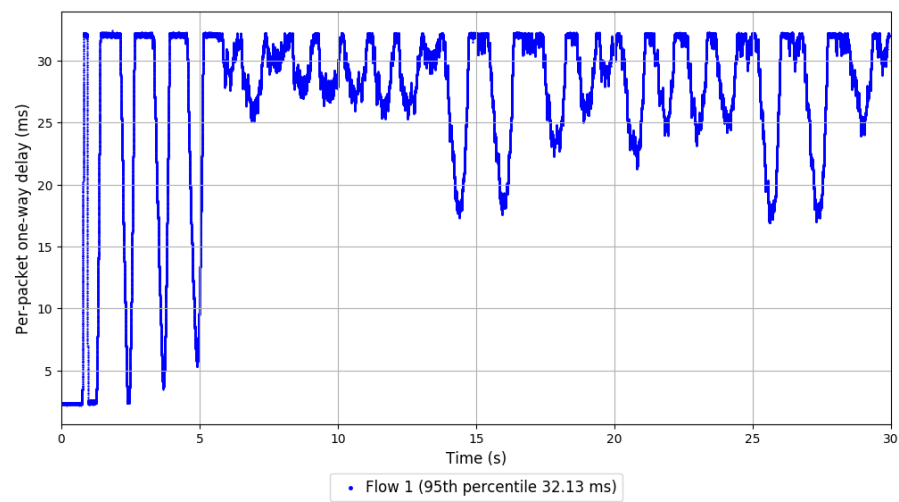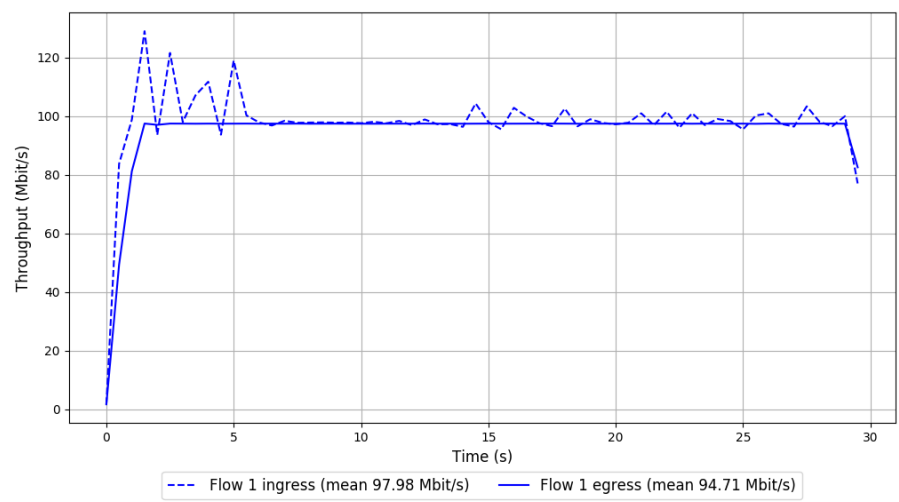
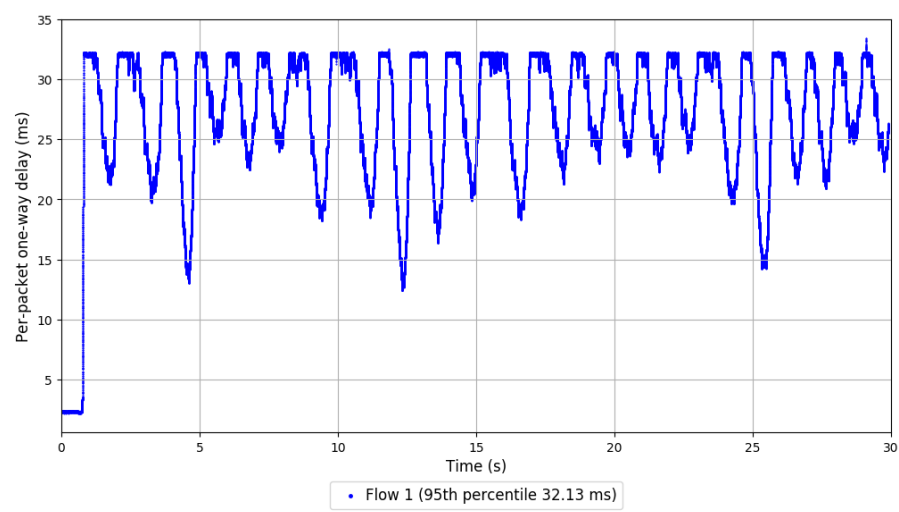## Run 8: Report of Vivace-loss — Data Link

```
Run 9: Statistics of Vivace-loss

Start at: 2018-03-27 06:40:01
End at: 2018-03-27 06:40:31
Local clock offset: -5.686 ms
Remote clock offset: -6.198 ms


# Below is generated by plot.py at 2018-03-27 08:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.129 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.129 ms
Loss rate: 2.45%
```

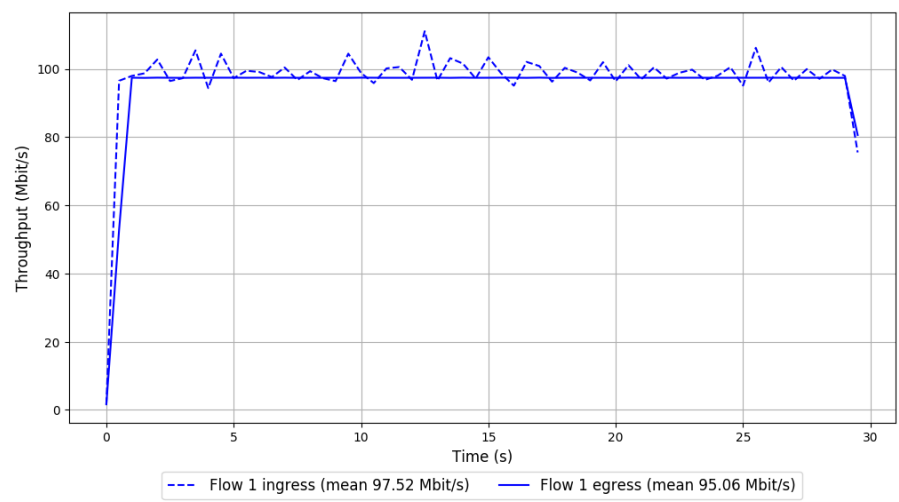Run 9: Report of Vivace-loss — Data Link

```
Run 10: Statistics of Vivace-loss

Start at: 2018-03-27 07:00:24
End at: 2018-03-27 07:00:54
Local clock offset: -5.621 ms
Remote clock offset: -6.422 ms


# Below is generated by plot.py at 2018-03-27 08:18:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 32.113 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 32.113 ms
Loss rate: 2.16%
```
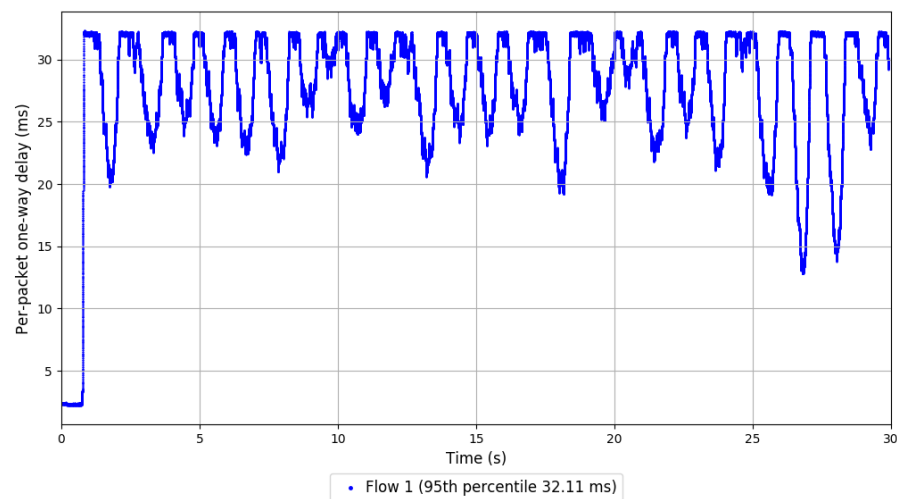
Run 10: Report of Vivace-loss — Data Link

```
Run 1: Statistics of Vivace-LTE

Start at: 2018-03-27 04:05:06
End at: 2018-03-27 04:05:36
Local clock offset: -6.894 ms
Remote clock offset: -7.975 ms


# Below is generated by plot.py at 2018-03-27 08:18:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 2.795 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 2.795 ms
Loss rate: 0.04%
```
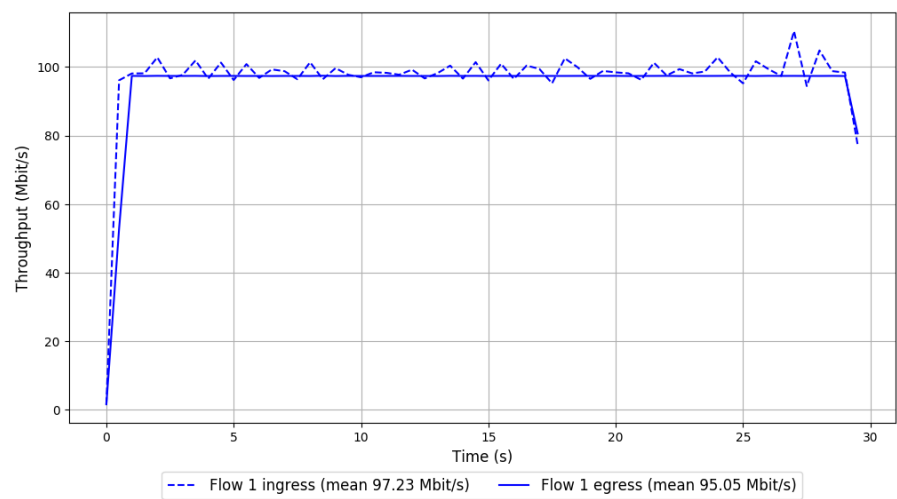
Run 1: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.10 Mbit/s)   Flow 1 egress (mean 93.06 Mbit/s)

Flow 1 (95th percentile 2.79 ms)

```
Run 2: Statistics of Vivace-LTE

Start at: 2018-03-27 04:25:25
End at: 2018-03-27 04:25:55
Local clock offset: -5.917 ms
Remote clock offset: -7.692 ms


# Below is generated by plot.py at 2018-03-27 08:18:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 2.678 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 2.678 ms
Loss rate: 0.06%
```
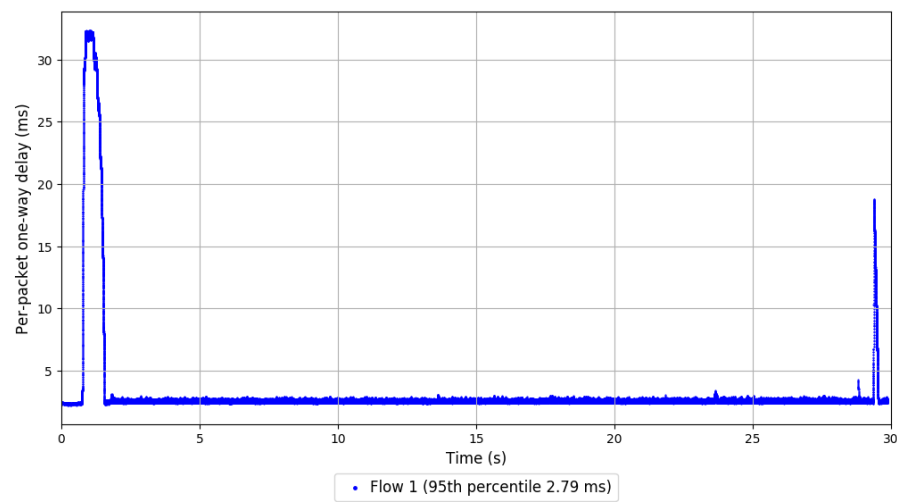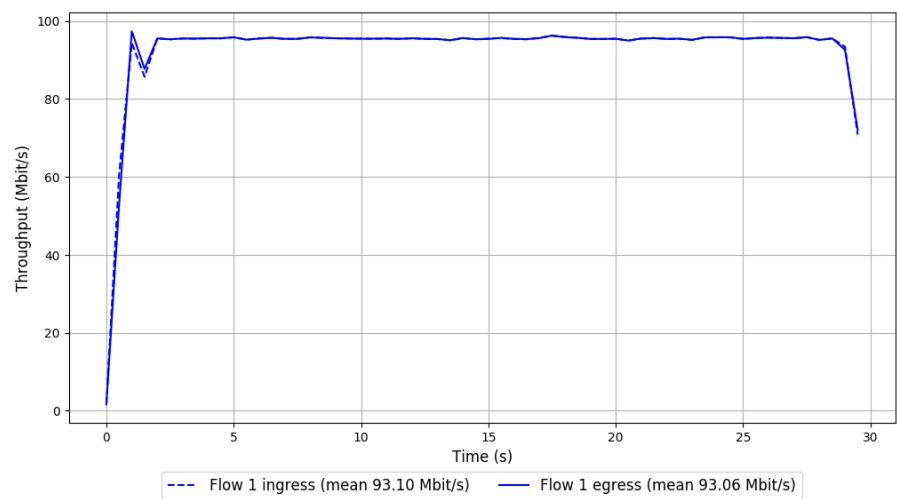
Run 2: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.17 Mbit/s) --- Flow 1 egress (mean 93.12 Mbit/s)
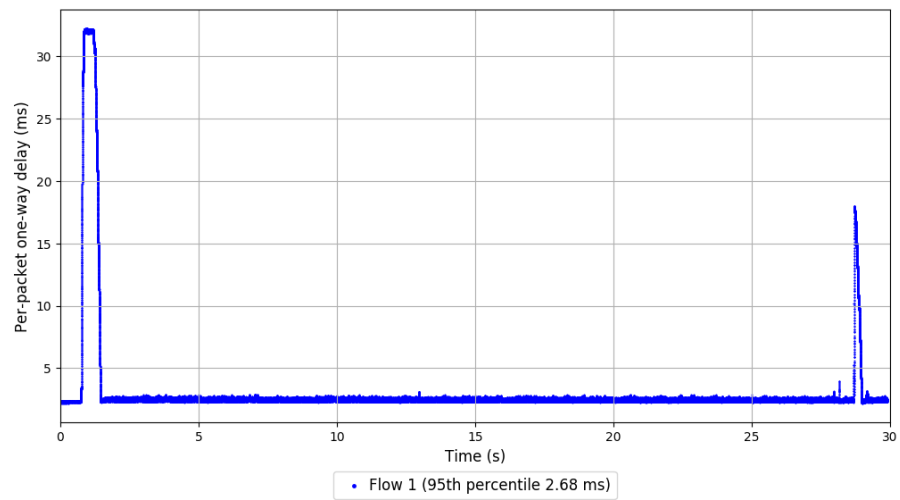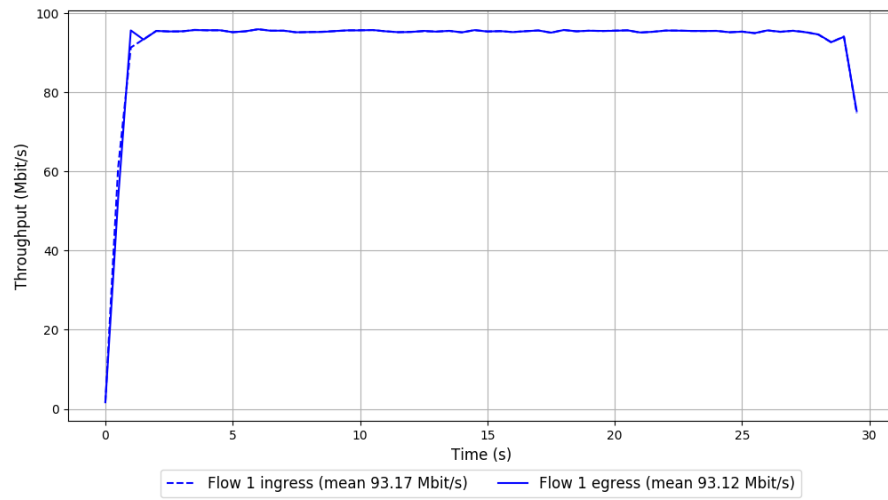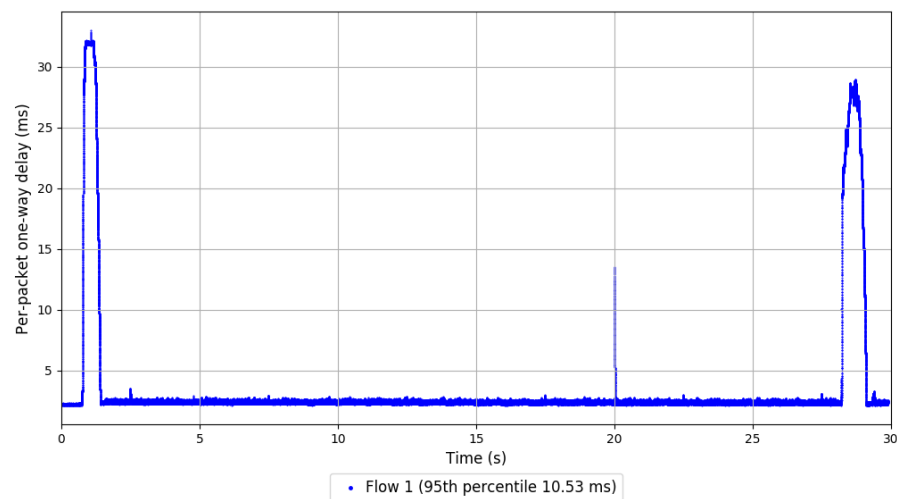

• Flow 1 (95th percentile 2.68 ms)

```
Run 3: Statistics of Vivace-LTE

Start at: 2018-03-27 04:45:49
End at: 2018-03-27 04:46:19
Local clock offset: -5.617 ms
Remote clock offset: -6.601 ms


# Below is generated by plot.py at 2018-03-27 08:18:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 10.531 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 10.531 ms
Loss rate: 0.05%
```

Run 3: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.18 Mbit/s)   Flow 1 egress (mean 93.14 Mbit/s)
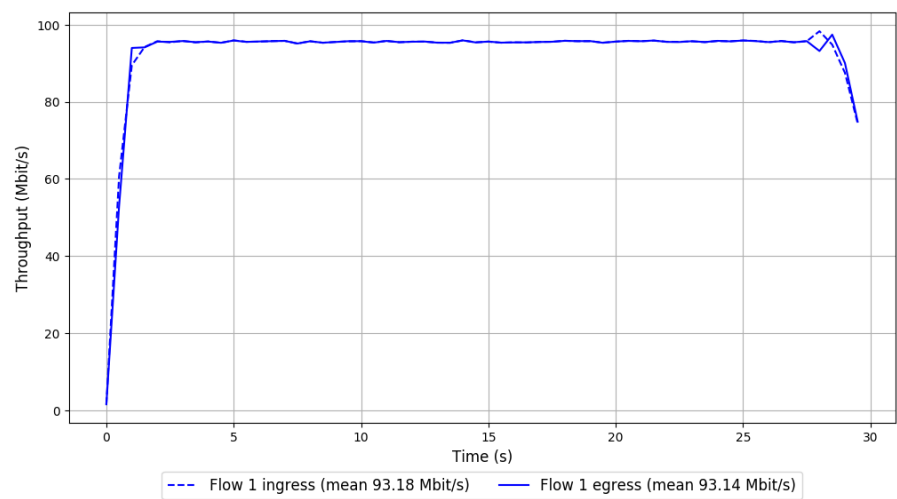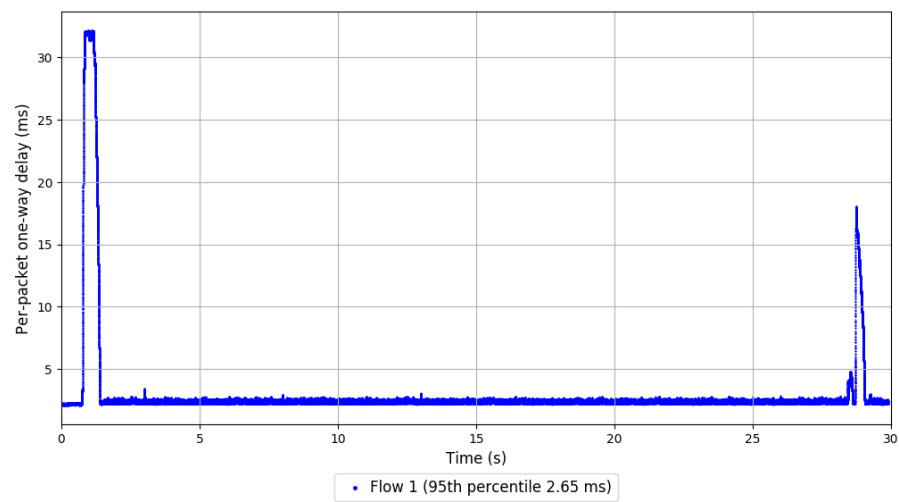

Flow 1 (95th percentile 10.53 ms)

```
Run 4: Statistics of Vivace-LTE

Start at: 2018-03-27 05:06:08
End at: 2018-03-27 05:06:38
Local clock offset: -6.817 ms
Remote clock offset: -6.909 ms


# Below is generated by plot.py at 2018-03-27 08:18:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 2.650 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 2.650 ms
Loss rate: 0.04%
```

Run 4: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.19 Mbit/s) --- Flow 1 egress (mean 93.15 Mbit/s)
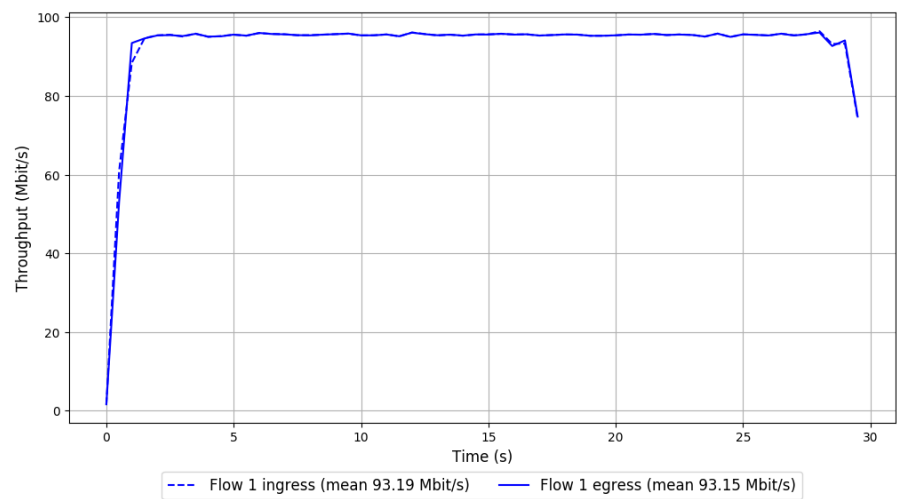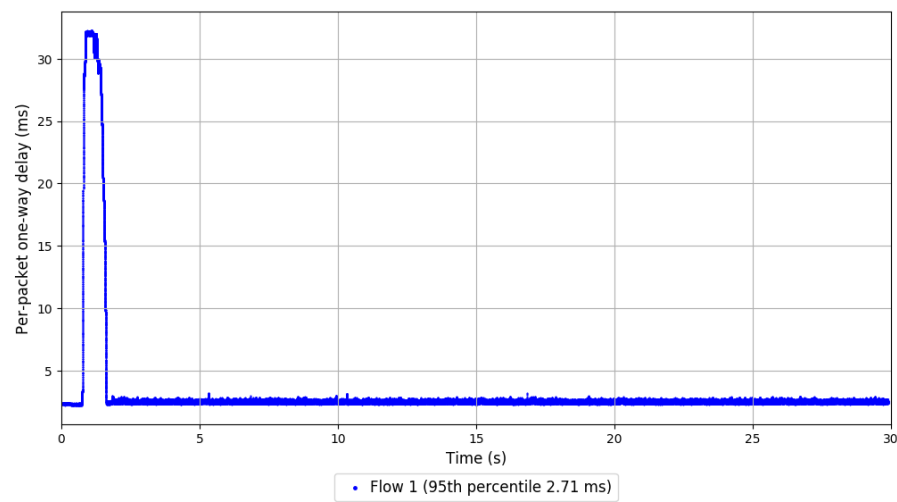

Flow 1 (95th percentile 2.65 ms)

```
Run 5: Statistics of Vivace-LTE

Start at: 2018-03-27 05:26:30
End at: 2018-03-27 05:27:00
Local clock offset: -6.833 ms
Remote clock offset: -7.007 ms


# Below is generated by plot.py at 2018-03-27 08:18:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 2.710 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 2.710 ms
Loss rate: 0.05%
```
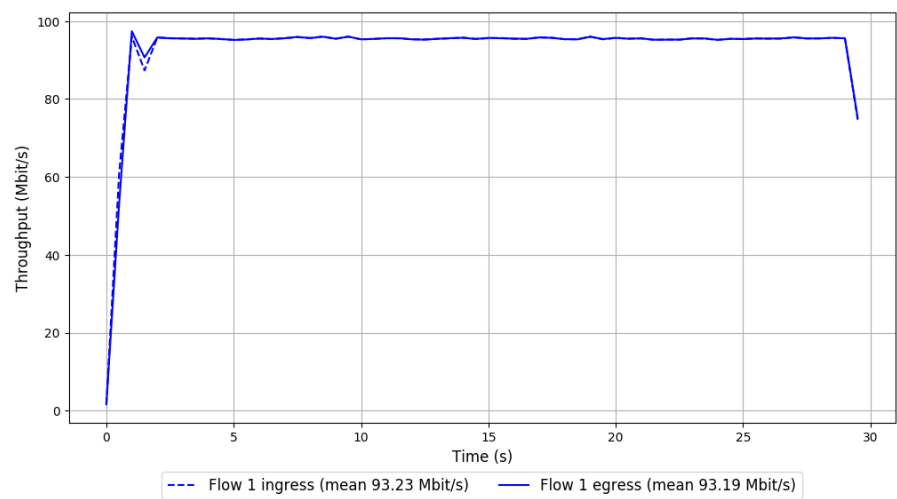
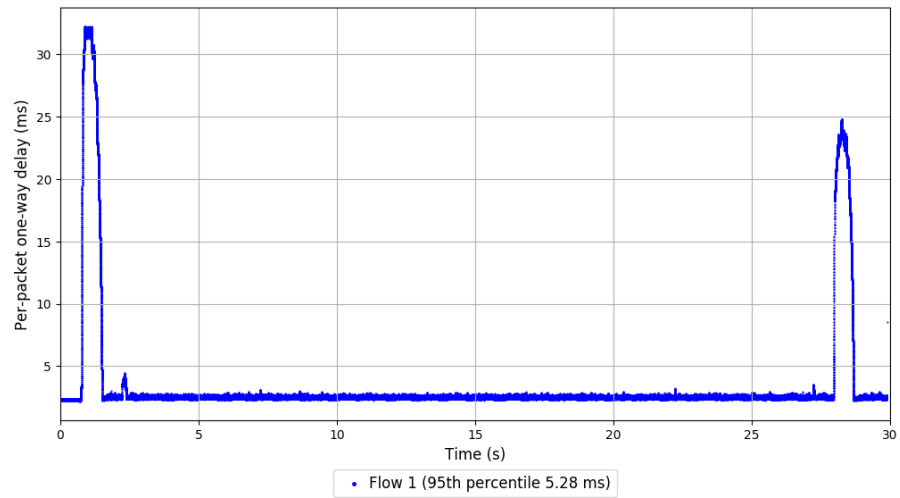Run 5: Report of Vivace-LTE — Data Link

```
Run 6: Statistics of Vivace-LTE

Start at: 2018-03-27 05:46:53
End at: 2018-03-27 05:47:23
Local clock offset: -6.784 ms
Remote clock offset: -6.542 ms


# Below is generated by plot.py at 2018-03-27 08:18:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 5.282 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 5.282 ms
Loss rate: 0.04%
```
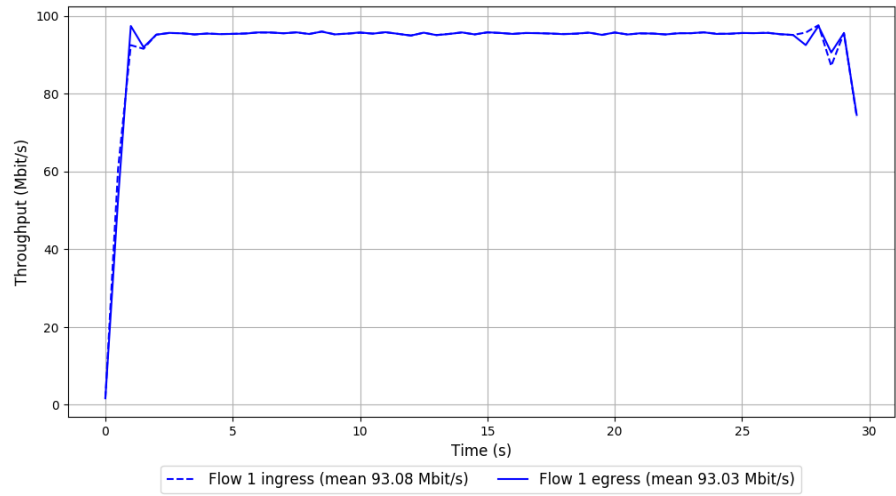
Run 6: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.08 Mbit/s) --- Flow 1 egress (mean 93.03 Mbit/s)
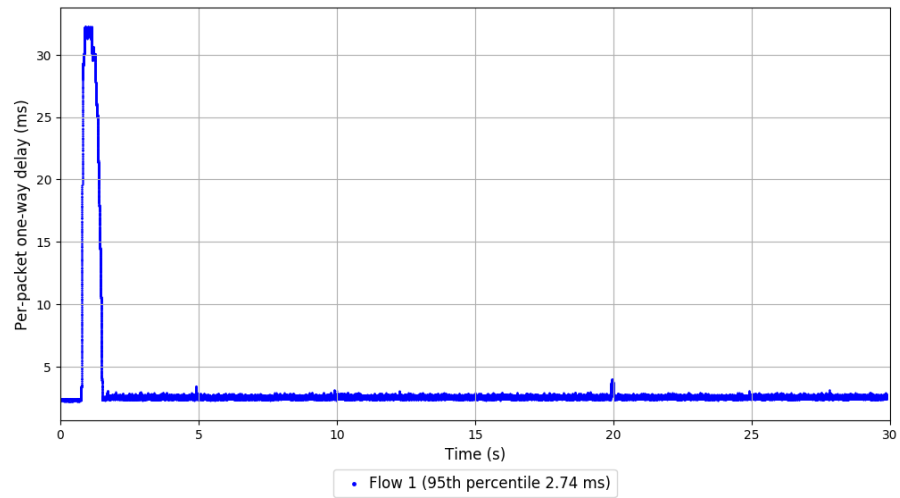

Flow 1 (95th percentile 5.28 ms)

```
Run 7: Statistics of Vivace-LTE

Start at: 2018-03-27 06:07:14
End at: 2018-03-27 06:07:44
Local clock offset: -5.823 ms
Remote clock offset: -6.308 ms


# Below is generated by plot.py at 2018-03-27 08:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 2.741 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 2.741 ms
Loss rate: 0.04%
```
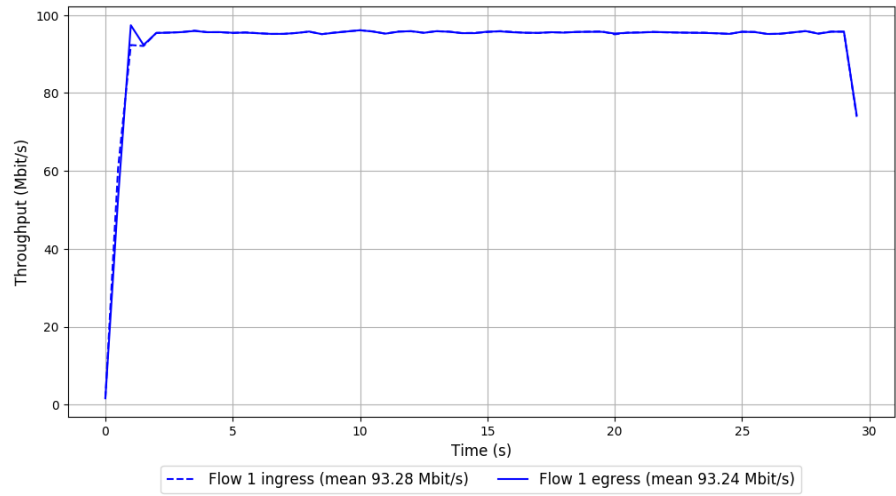
Run 7: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.28 Mbit/s) --- Flow 1 egress (mean 93.24 Mbit/s)

Flow 1 (95th percentile 2.74 ms)

```
Run 8: Statistics of Vivace-LTE

Start at: 2018-03-27 06:27:38
End at: 2018-03-27 06:28:08
Local clock offset: -5.507 ms
Remote clock offset: -6.21 ms


# Below is generated by plot.py at 2018-03-27 08:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 2.759 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 2.759 ms
Loss rate: 0.03%
```

Run 8: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.20 Mbit/s)   Flow 1 egress (mean 93.17 Mbit/s)

Flow 1 (95th percentile 2.76 ms)

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```
Run 9: Statistics of Vivace-LTE

Start at: 2018-03-27 06:48:02
End at: 2018-03-27 06:48:32
Local clock offset: -5.688 ms
Remote clock offset: -6.361 ms


# Below is generated by plot.py at 2018-03-27 08:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 2.708 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 2.708 ms
Loss rate: 0.04%
```
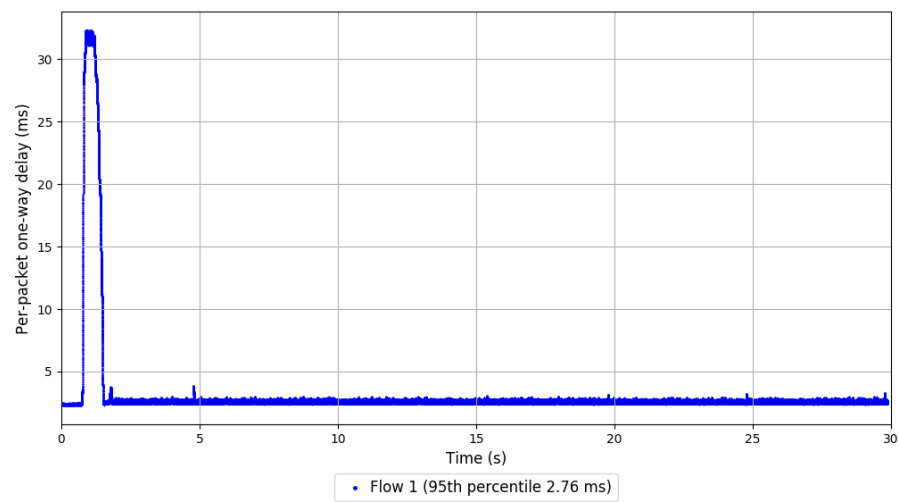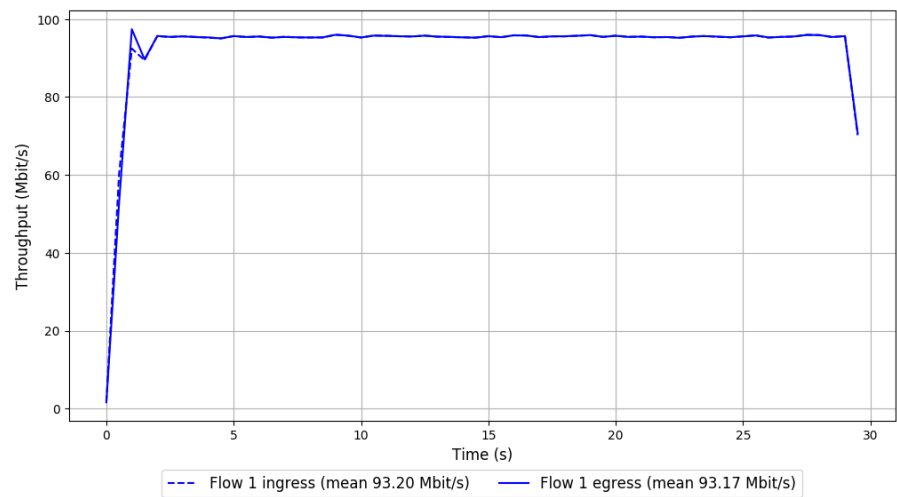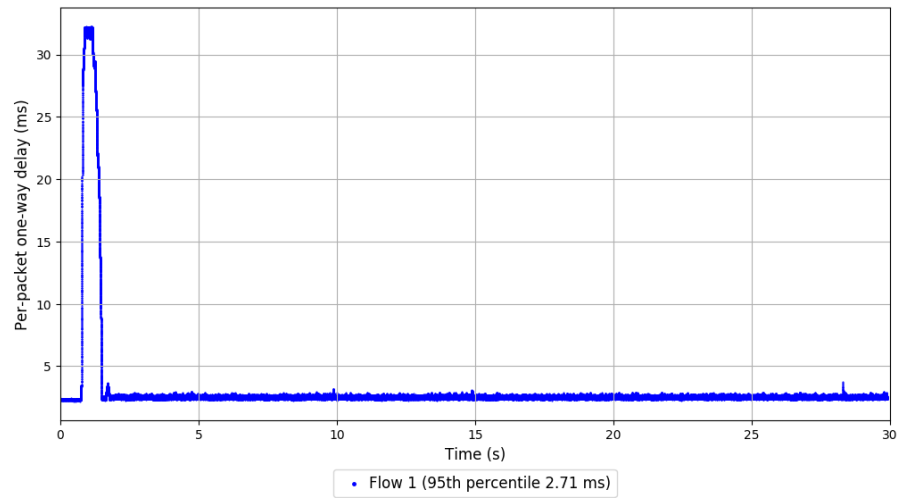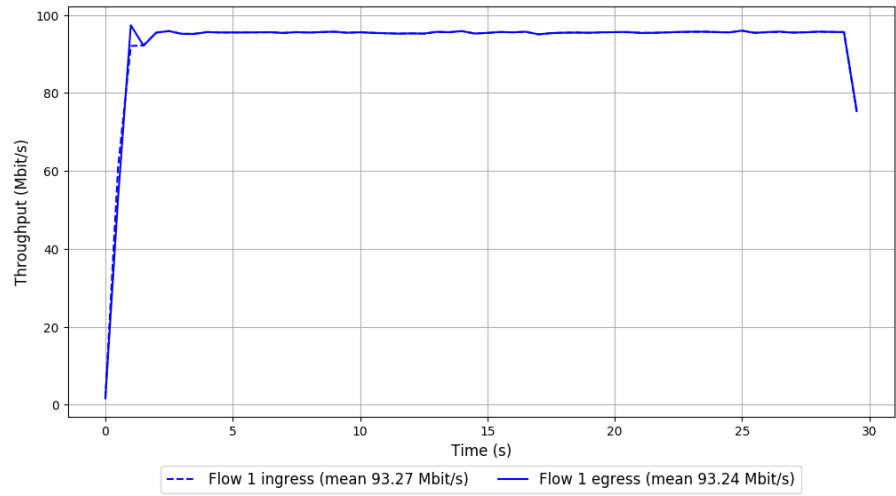
Run 9: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.27 Mbit/s)   Flow 1 egress (mean 93.24 Mbit/s)

• Flow 1 (95th percentile 2.71 ms)

```
Run 10: Statistics of Vivace-LTE

Start at: 2018-03-27 07:08:26
End at: 2018-03-27 07:08:56
Local clock offset: -6.572 ms
Remote clock offset: -6.419 ms


# Below is generated by plot.py at 2018-03-27 08:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 2.723 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 2.723 ms
Loss rate: 0.04%
```

Run 10: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.28 Mbit/s)   Flow 1 egress (mean 93.24 Mbit/s)

Flow 1 (95th percentile 2.72 ms)