Pantheon Report

Generated at 2018-01-09 01:11:48 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

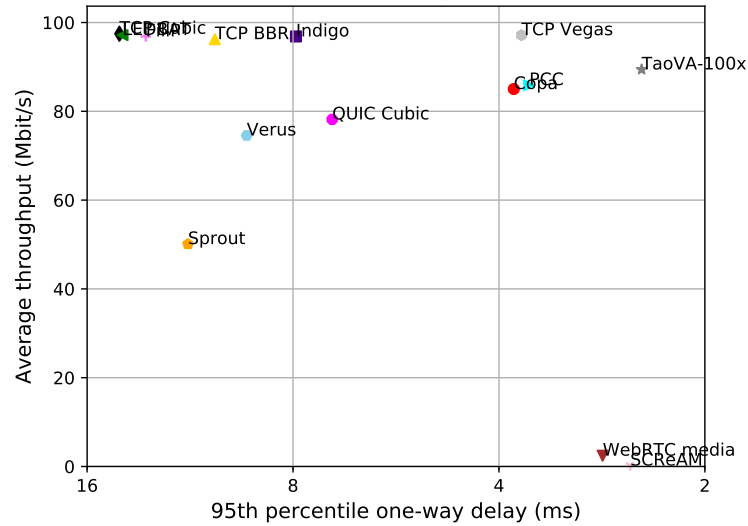Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

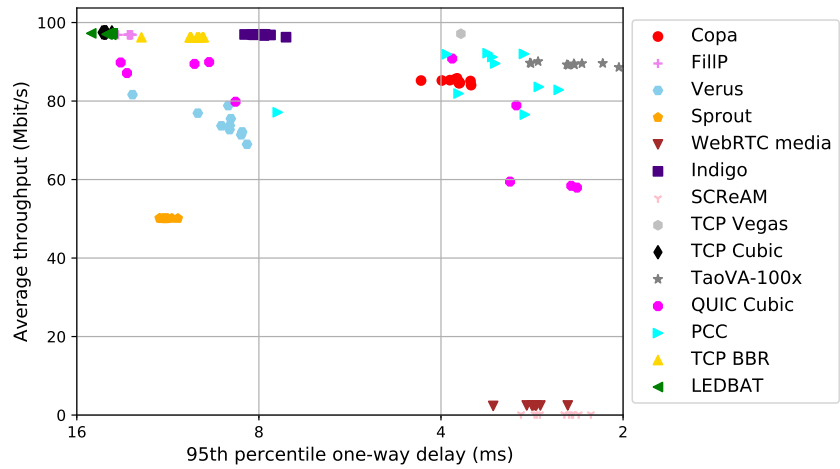NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 56d1792c316a5efca3f2d21342905405fedffb48
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

1

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

test from Brazil Ethernet to AWS Brazil 1 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	10.41	0.04
TCP Cubic	10	97.47	14.35	0.06
LEDBAT	10	97.17	14.20	0.06
PCC	10	85.89	3.61	0.02
QUIC Cubic	10	78.17	7.01	0.02
SCReAM	10	0.22	2.57	0.00
WebRTC media	10	2.44	2.82	0.02
Sprout	10	50.09	11.39	0.02
TaoVA-100x	10	89.43	2.47	0.02
TCP Vegas	1	97.15	3.71	0.02
Verus	10	74.56	9.35	0.03
Copa	10	85.02	3.81	0.02
FillP	10	96.87	13.13	0.05
Indigo	10	96.86	7.92	0.03

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-08 19:06:12
End at: 2018-01-08 19:06:42
Local clock offset: 4.88 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2018-01-09 00:33:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.921 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.921 ms
Loss rate: 0.04%
```
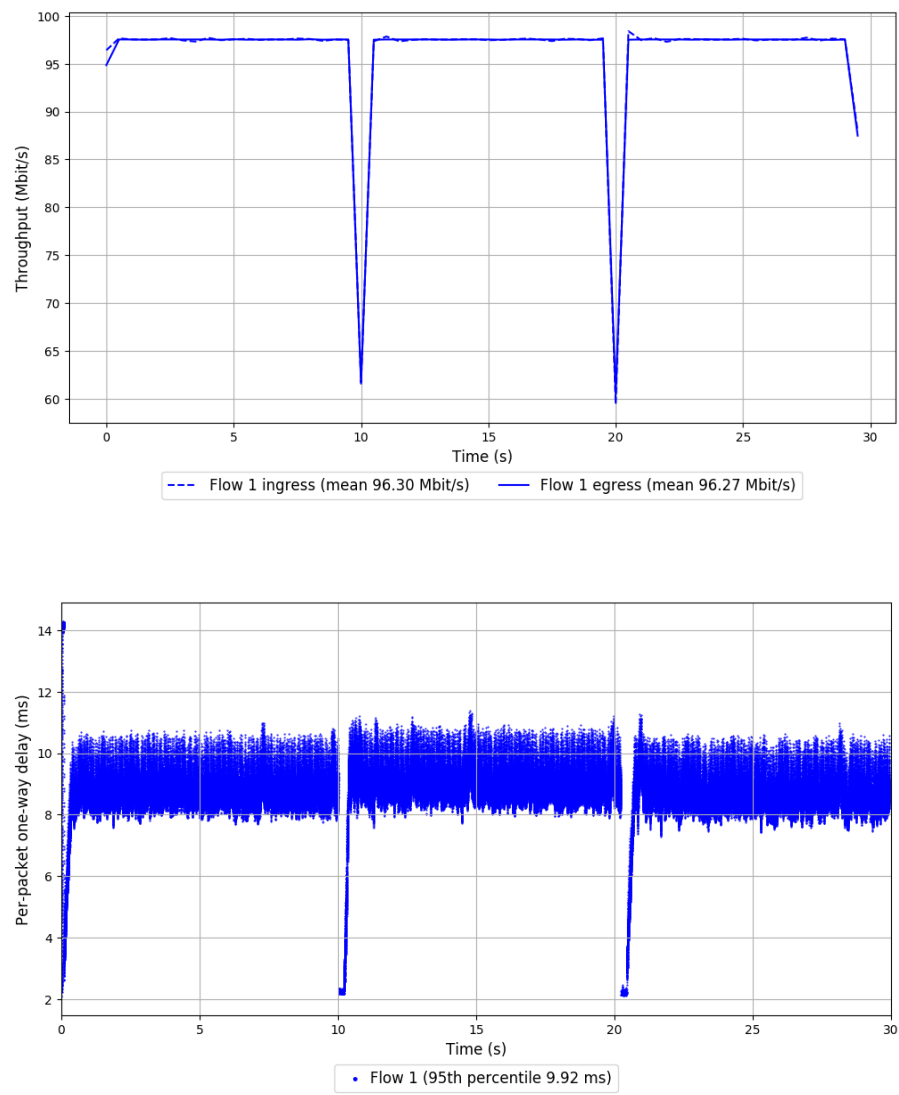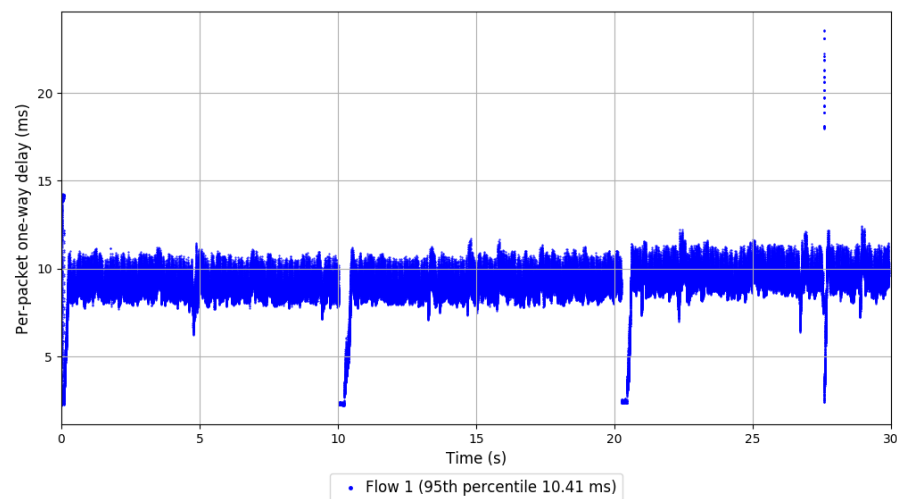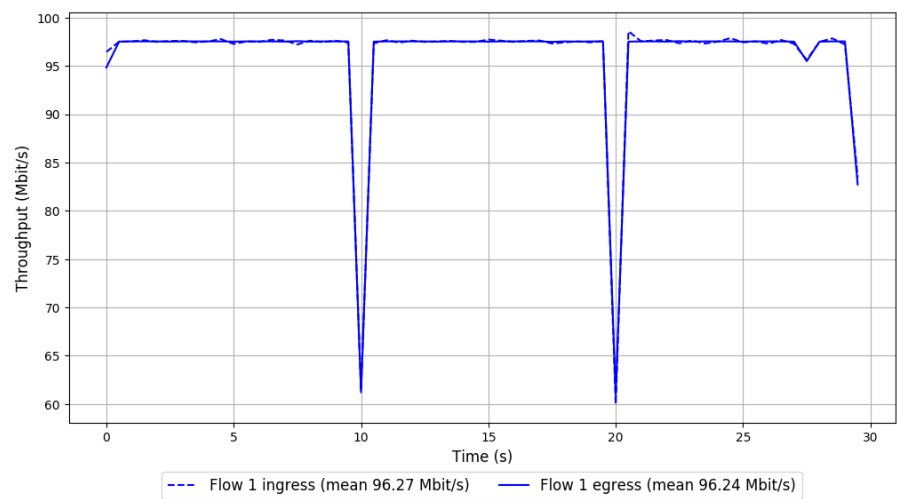
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-01-08 19:23:09
End at: 2018-01-08 19:23:39
Local clock offset: 9.068 ms
Remote clock offset: 0.006 ms


# Below is generated by plot.py at 2018-01-09 00:33:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.411 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.411 ms
Loss rate: 0.04%
```
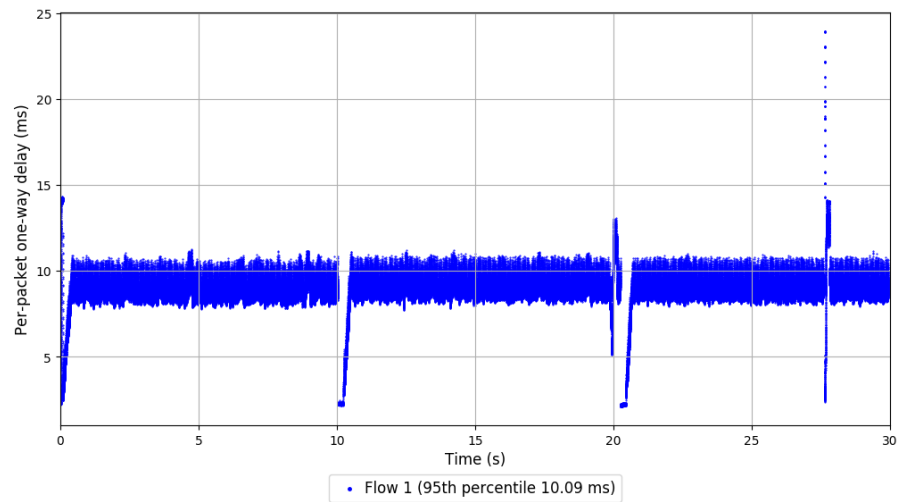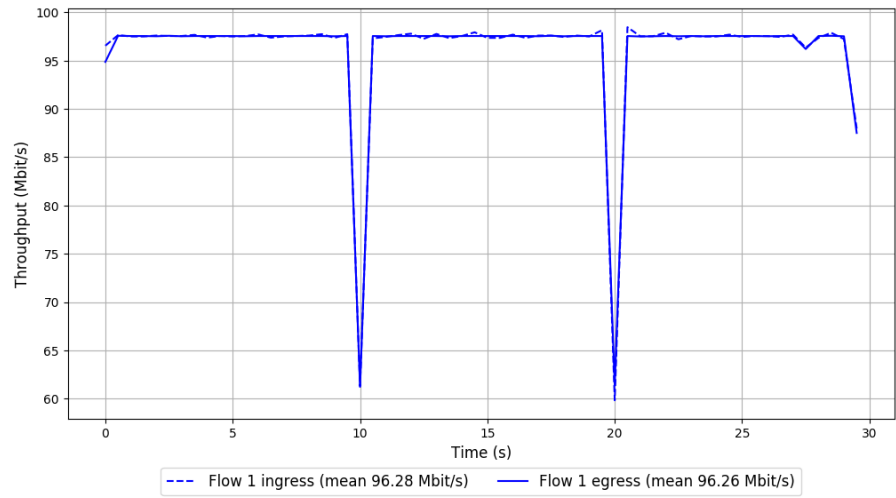
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.27 Mbit/s)   Flow 1 egress (mean 96.24 Mbit/s)

Flow 1 (95th percentile 10.41 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-01-08 19:40:06
End at: 2018-01-08 19:40:36
Local clock offset: 8.754 ms
Remote clock offset: 0.164 ms


# Below is generated by plot.py at 2018-01-09 00:33:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.085 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.085 ms
Loss rate: 0.04%
```
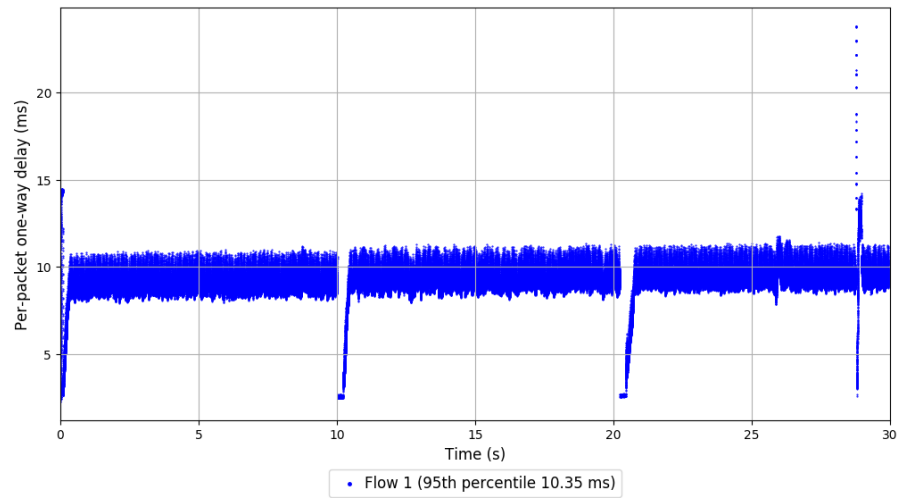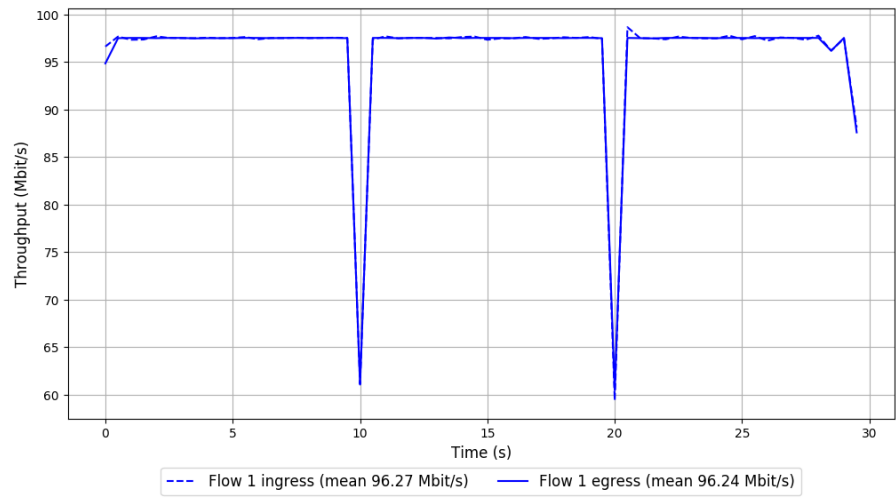
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.28 Mbit/s)   Flow 1 egress (mean 96.26 Mbit/s)

Flow 1 (95th percentile 10.09 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-01-08 19:57:05
End at: 2018-01-08 19:57:35
Local clock offset: 1.563 ms
Remote clock offset: 0.347 ms


# Below is generated by plot.py at 2018-01-09 00:33:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.346 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.346 ms
Loss rate: 0.04%
```
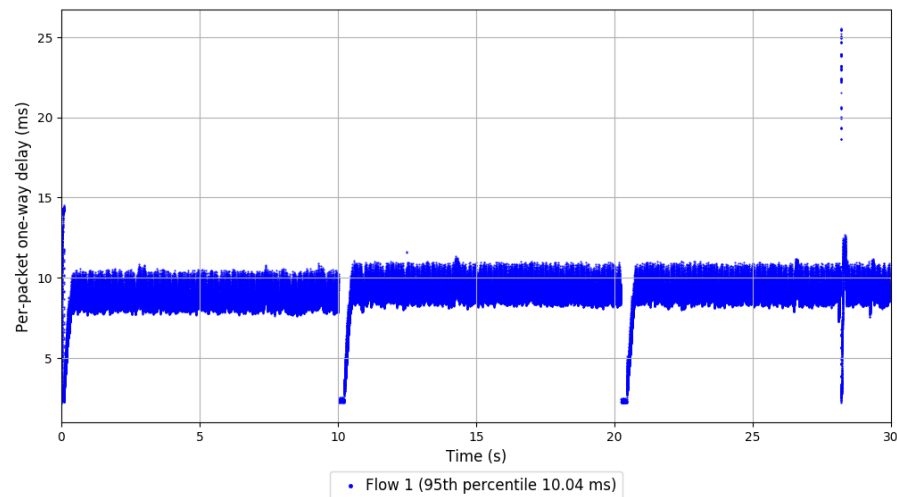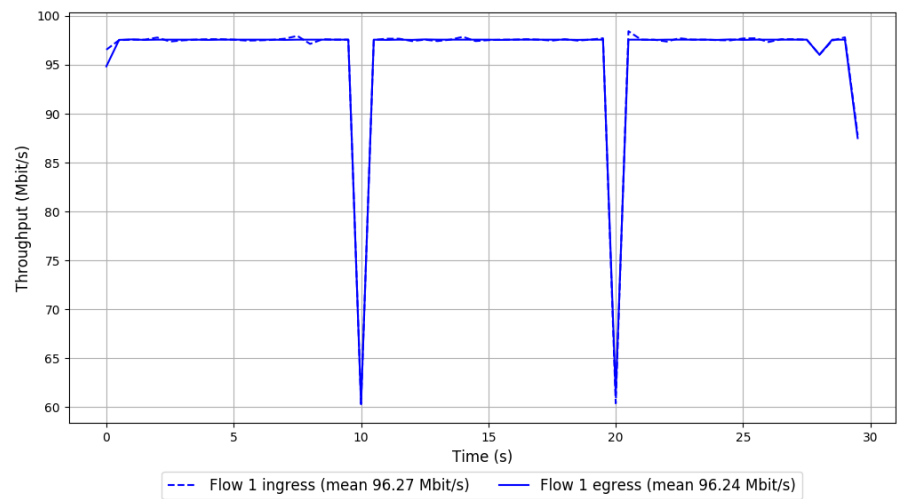
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2018-01-08 20:14:00
End at: 2018-01-08 20:14:30
Local clock offset: -0.206 ms
Remote clock offset: 0.478 ms


# Below is generated by plot.py at 2018-01-09 00:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.035 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.035 ms
Loss rate: 0.04%
```

Run 5: Report of TCP BBR — Data Link

```
Run 6: Statistics of TCP BBR

Start at: 2018-01-08 20:31:00
End at: 2018-01-08 20:31:30
Local clock offset: 0.525 ms
Remote clock offset: 0.548 ms


# Below is generated by plot.py at 2018-01-09 00:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 9.872 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 9.872 ms
Loss rate: 0.04%
```
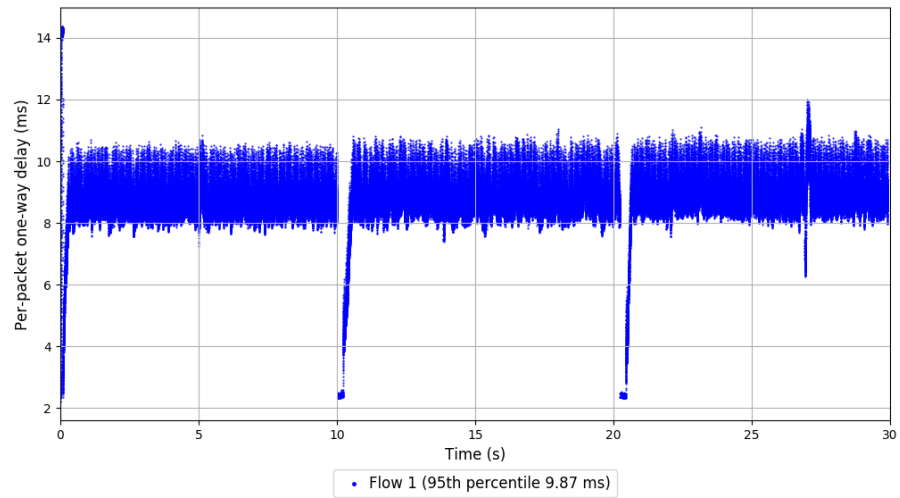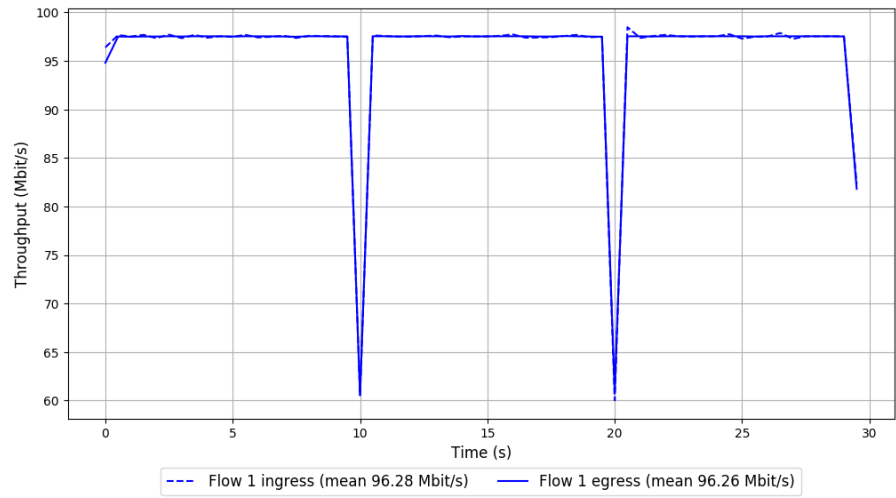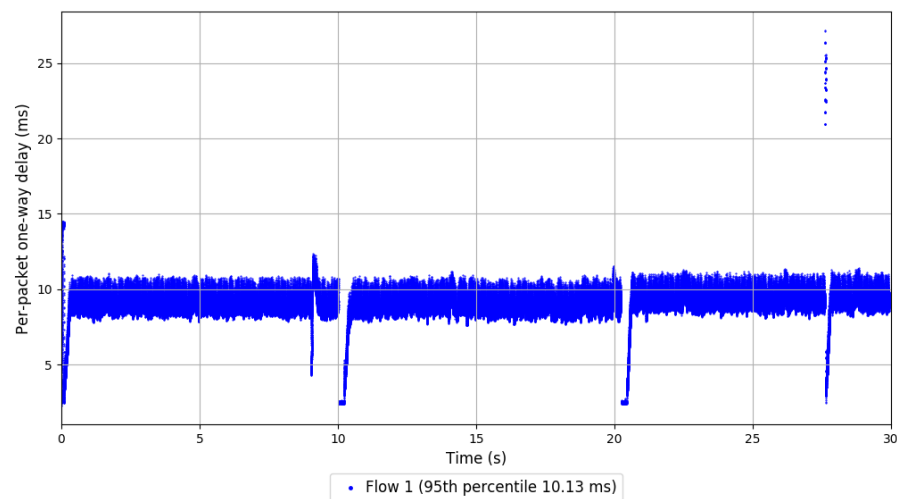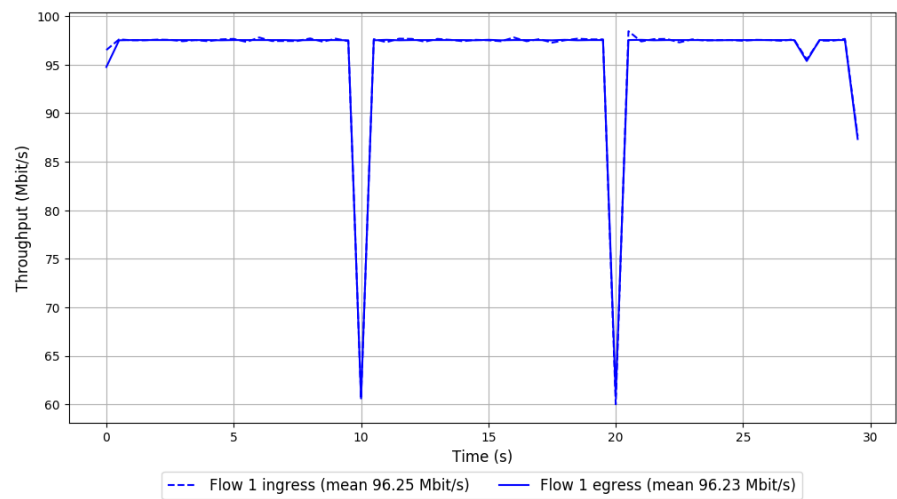
Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: 2018-01-08 20:47:57
End at: 2018-01-08 20:48:27
Local clock offset: 0.703 ms
Remote clock offset: 0.458 ms


# Below is generated by plot.py at 2018-01-09 00:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.134 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.134 ms
Loss rate: 0.04%
```
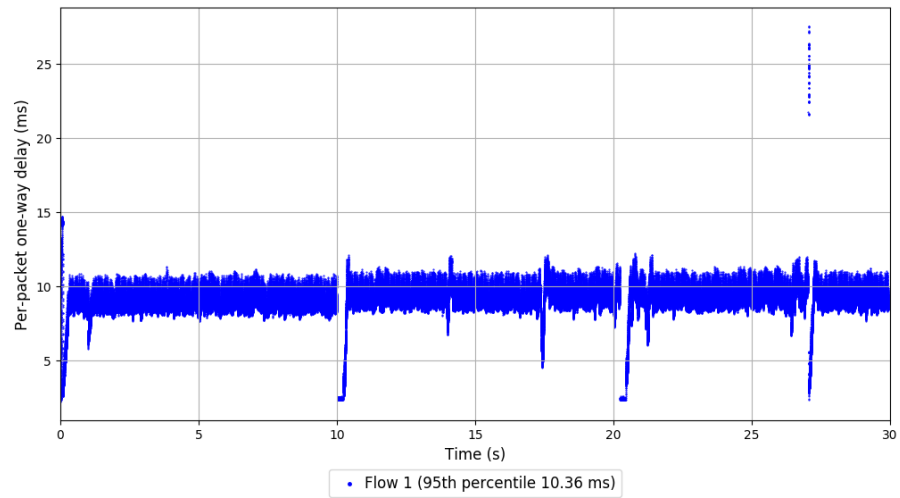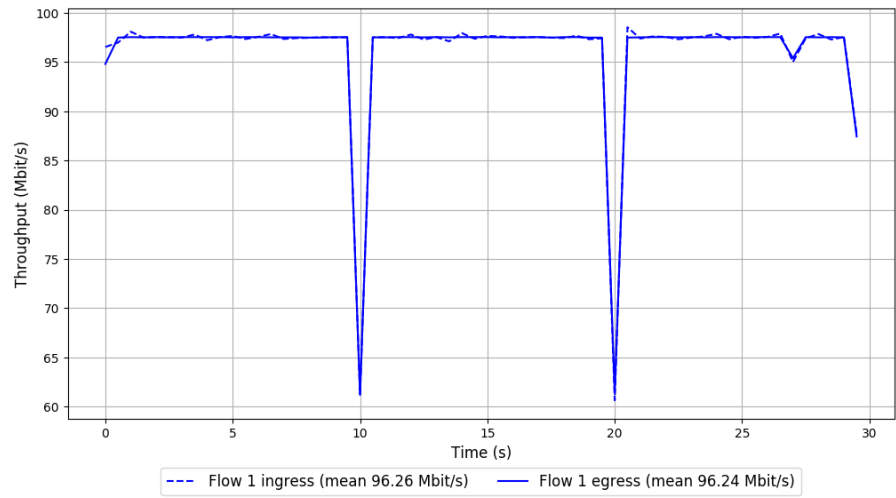
Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2018-01-08 21:04:53
End at: 2018-01-08 21:05:23
Local clock offset: 0.636 ms
Remote clock offset: 0.417 ms


# Below is generated by plot.py at 2018-01-09 00:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.361 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.361 ms
Loss rate: 0.04%
```
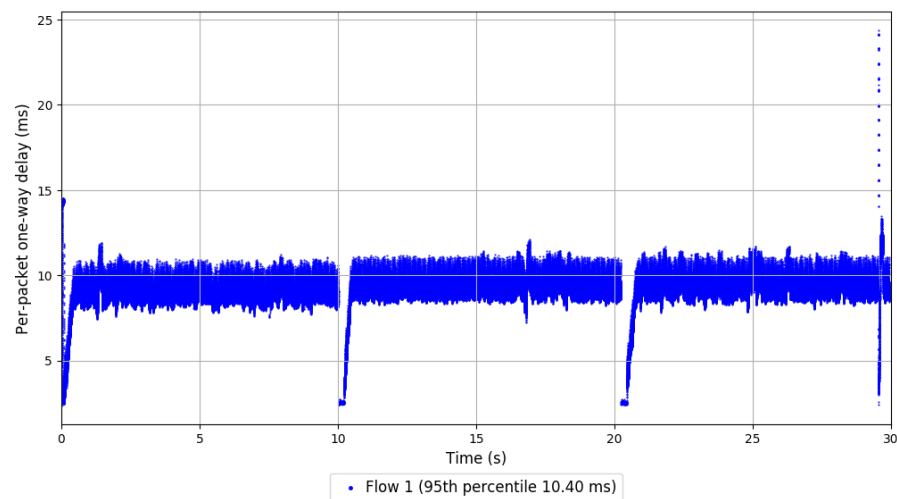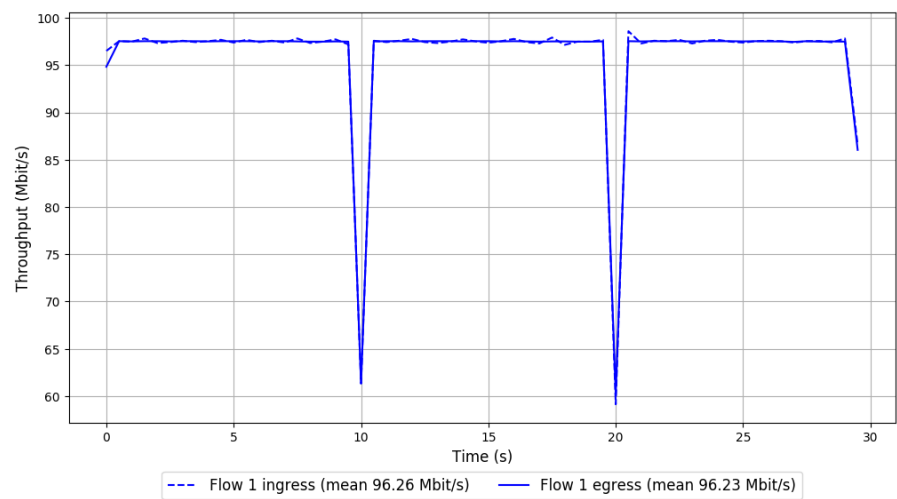
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.26 Mbit/s)   Flow 1 egress (mean 96.24 Mbit/s)

Flow 1 (95th percentile 10.36 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-01-08 21:21:50
End at: 2018-01-08 21:22:20
Local clock offset: 0.785 ms
Remote clock offset: 0.358 ms


# Below is generated by plot.py at 2018-01-09 00:36:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.399 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.399 ms
Loss rate: 0.04%
```
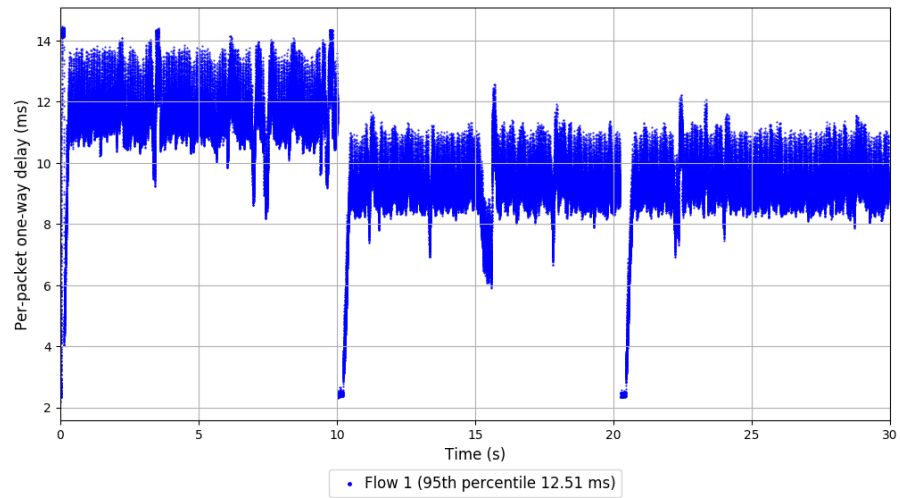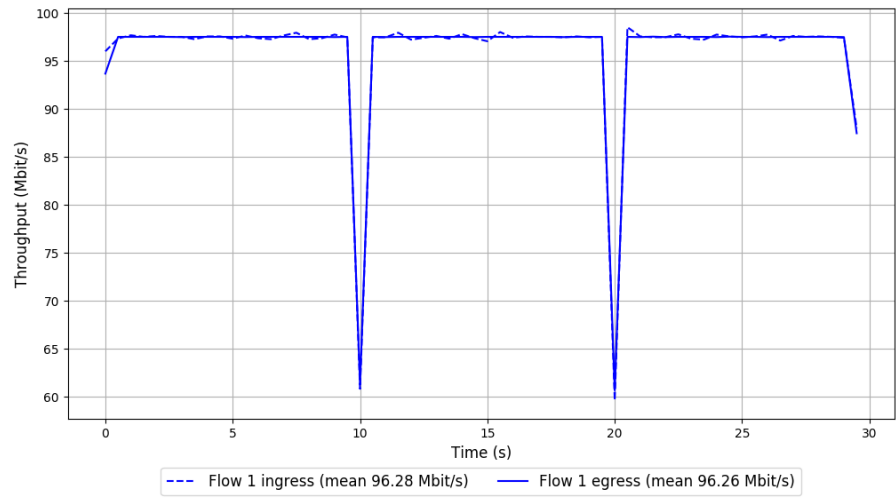
Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2018-01-08 21:38:48
End at: 2018-01-08 21:39:18
Local clock offset: 0.995 ms
Remote clock offset: 0.332 ms


# Below is generated by plot.py at 2018-01-09 00:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 12.509 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 12.509 ms
Loss rate: 0.04%
```

Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.28 Mbit/s)   Flow 1 egress (mean 96.26 Mbit/s)
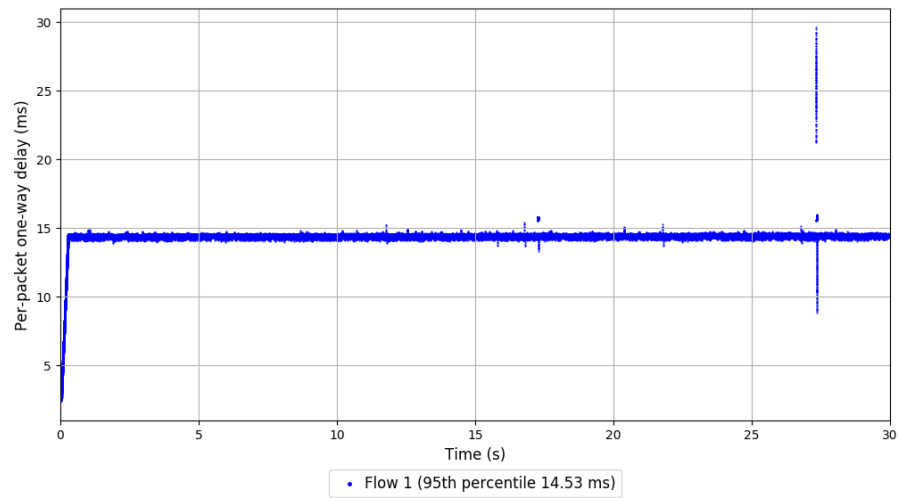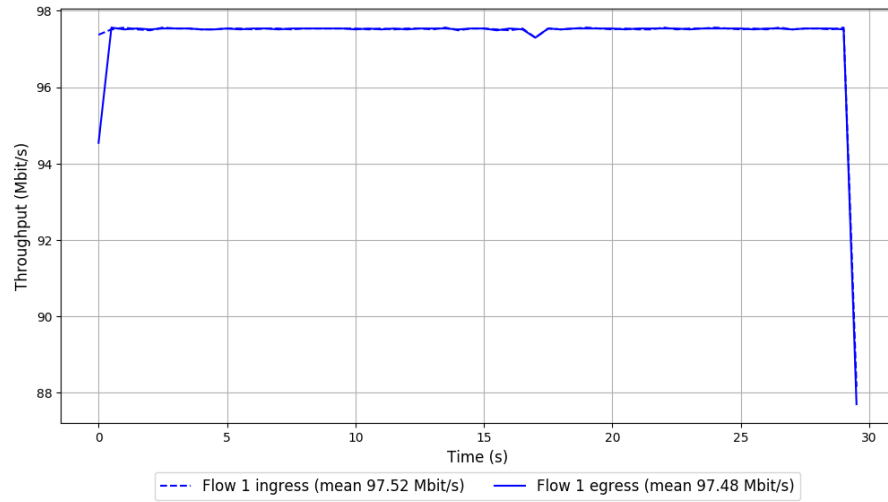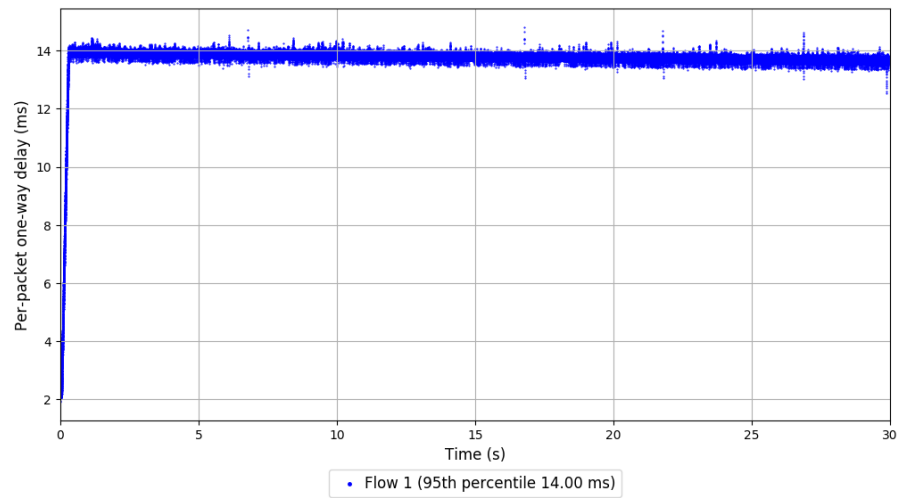

Flow 1 (95th percentile 12.51 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-08 18:58:13
End at: 2018-01-08 18:58:43
Local clock offset: 6.16 ms
Remote clock offset: -0.191 ms


# Below is generated by plot.py at 2018-01-09 00:36:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.531 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.531 ms
Loss rate: 0.06%
```
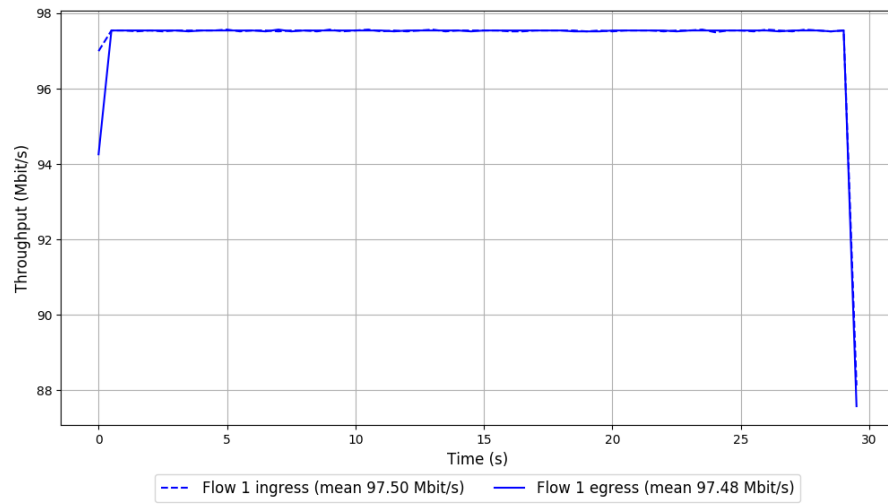
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-01-08 19:15:09
End at: 2018-01-08 19:15:39
Local clock offset: 8.859 ms
Remote clock offset: -0.097 ms


# Below is generated by plot.py at 2018-01-09 00:36:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 13.999 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 13.999 ms
Loss rate: 0.06%
```
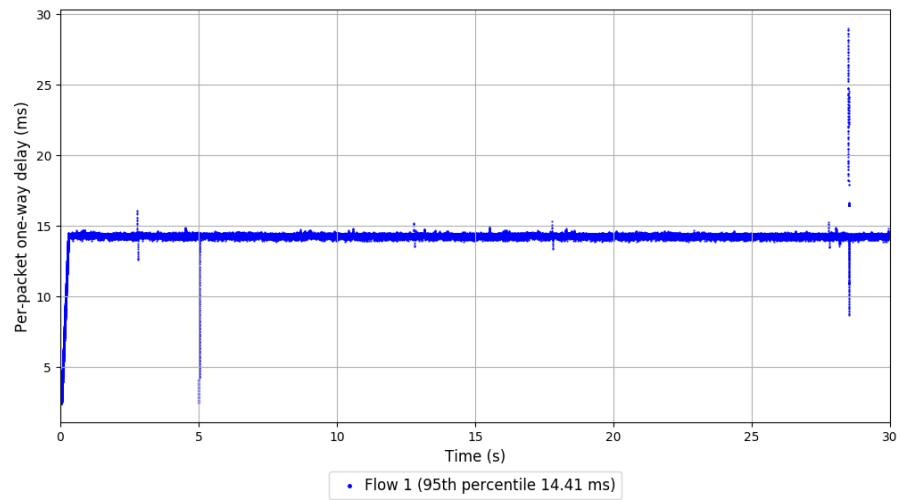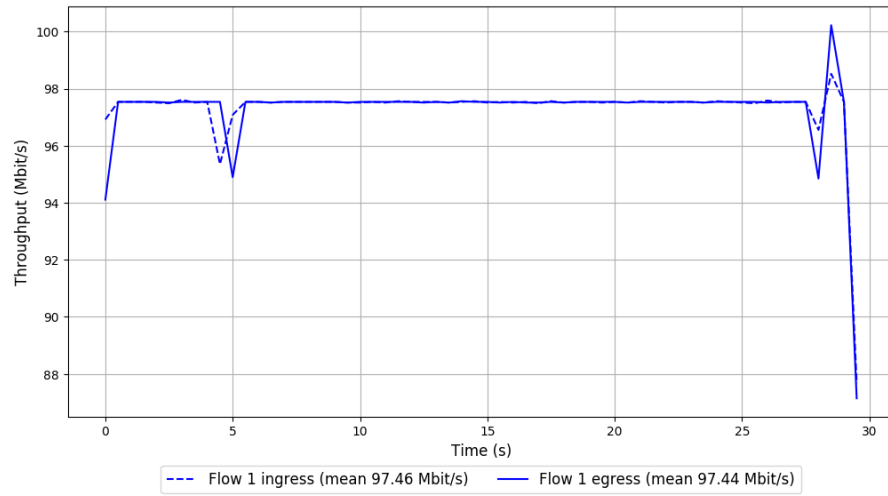
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.50 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

Flow 1 (95th percentile 14.00 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2018-01-08 19:32:06
End at: 2018-01-08 19:32:36
Local clock offset: 7.274 ms
Remote clock offset: 0.026 ms


# Below is generated by plot.py at 2018-01-09 00:36:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 14.410 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 14.410 ms
Loss rate: 0.06%
```
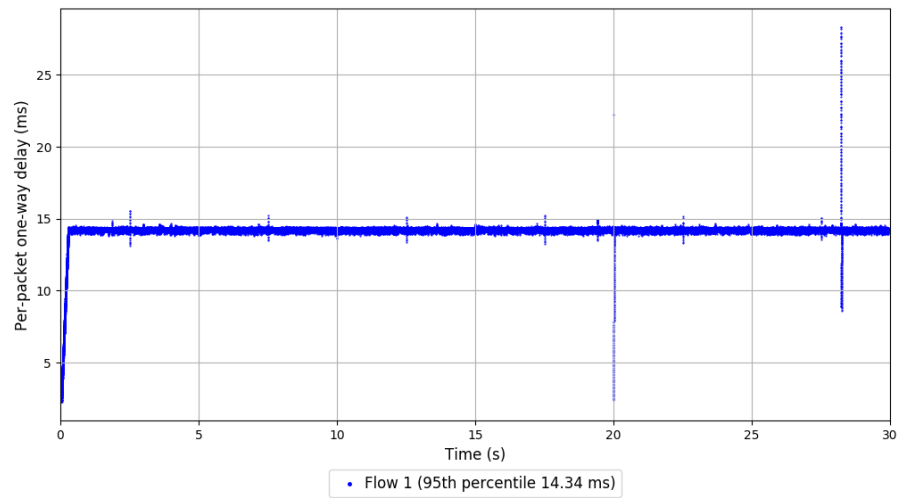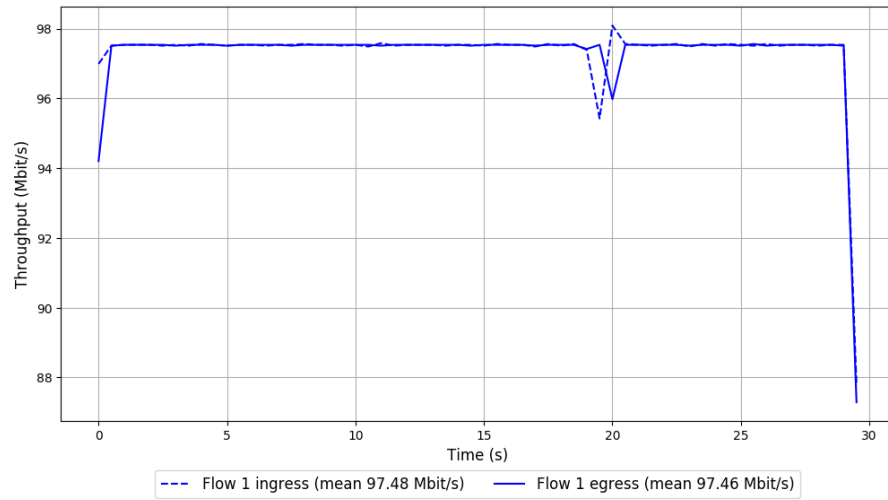
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.46 Mbit/s)   Flow 1 egress (mean 97.44 Mbit/s)

Flow 1 (95th percentile 14.41 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-01-08 19:49:04
End at: 2018-01-08 19:49:34
Local clock offset: 7.302 ms
Remote clock offset: 0.244 ms


# Below is generated by plot.py at 2018-01-09 00:36:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 14.344 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 14.344 ms
Loss rate: 0.06%
```
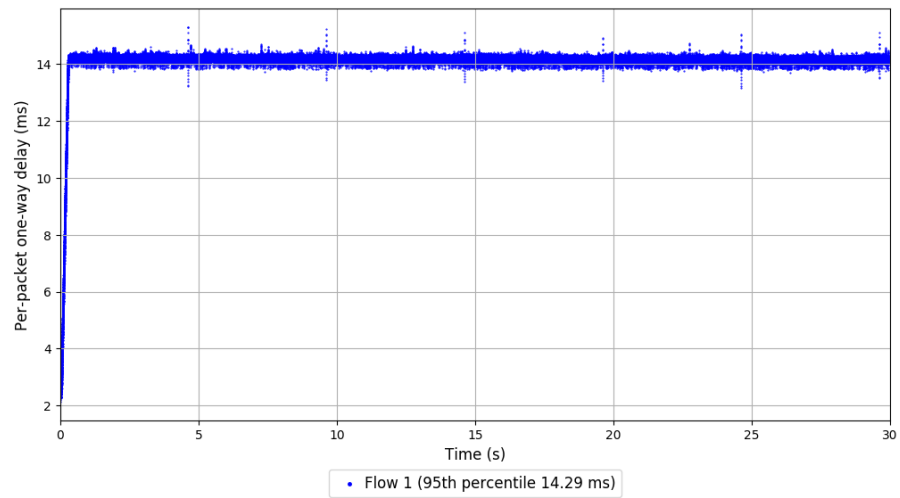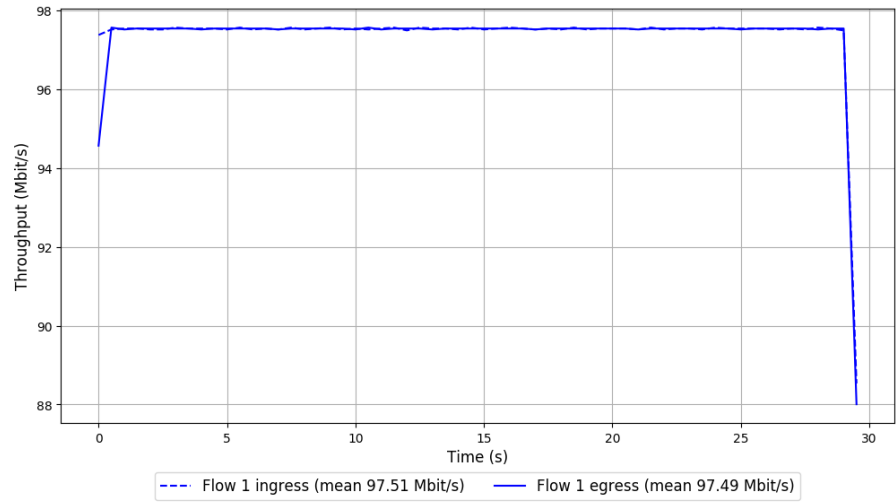
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.48 Mbit/s) --- Flow 1 egress (mean 97.46 Mbit/s)

Flow 1 (95th percentile 14.34 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-01-08 20:06:01
End at: 2018-01-08 20:06:31
Local clock offset: -0.92 ms
Remote clock offset: 0.387 ms


# Below is generated by plot.py at 2018-01-09 00:36:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.291 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.291 ms
Loss rate: 0.06%
```
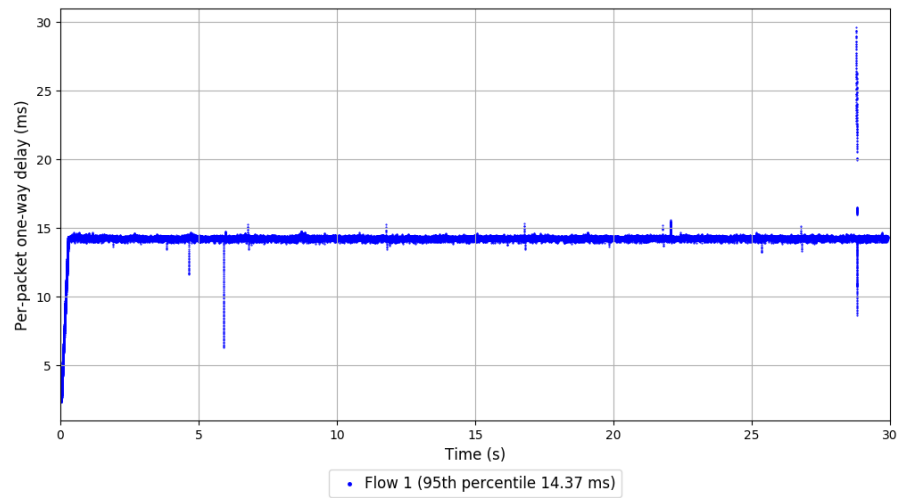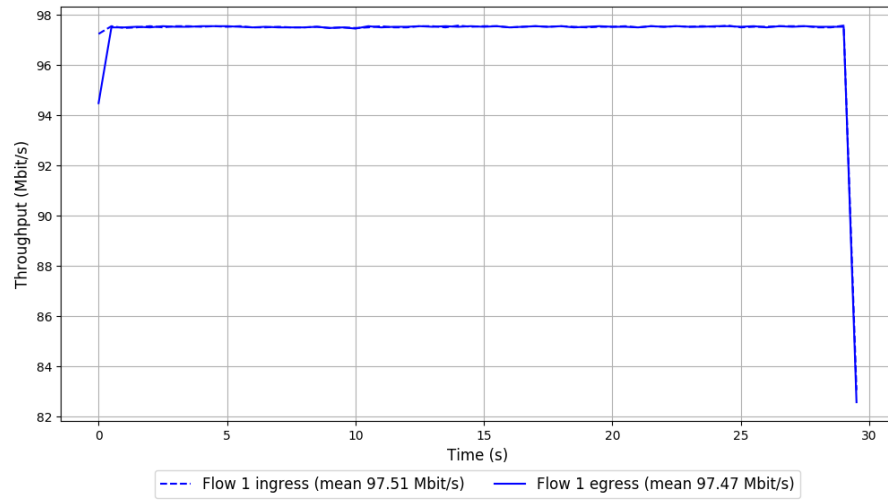
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.51 Mbit/s)   Flow 1 egress (mean 97.49 Mbit/s)

• Flow 1 (95th percentile 14.29 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2018-01-08 20:22:57
End at: 2018-01-08 20:23:27
Local clock offset: 0.336 ms
Remote clock offset: 0.474 ms


# Below is generated by plot.py at 2018-01-09 00:36:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 14.368 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 14.368 ms
Loss rate: 0.06%
```
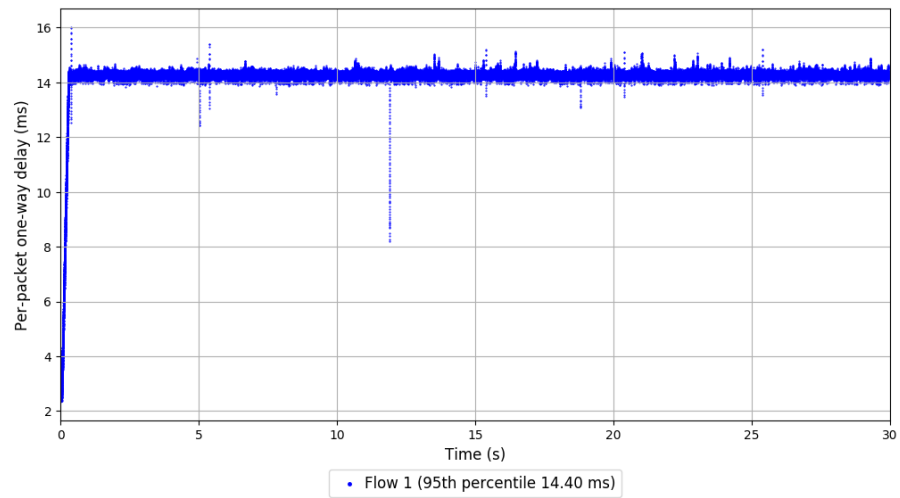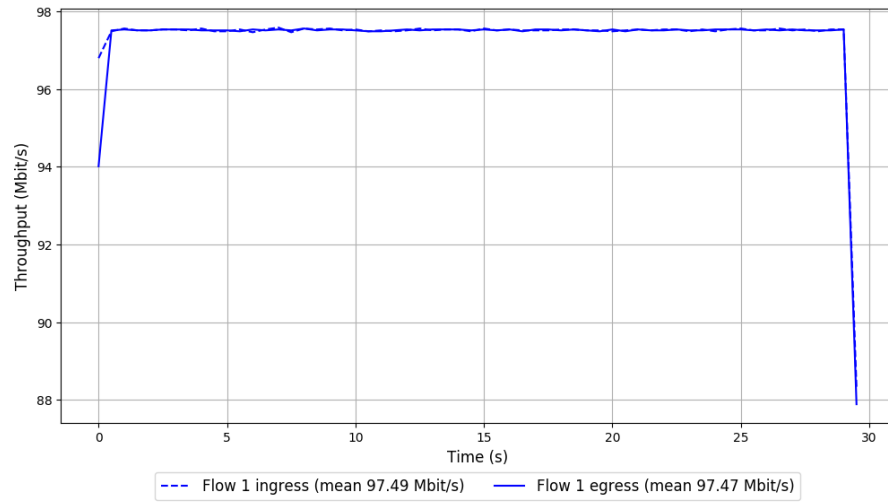
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.51 Mbit/s)   Flow 1 egress (mean 97.47 Mbit/s)

Flow 1 (95th percentile 14.37 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-01-08 20:39:57
End at: 2018-01-08 20:40:27
Local clock offset: 0.666 ms
Remote clock offset: 0.543 ms


# Below is generated by plot.py at 2018-01-09 00:39:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 14.399 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 14.399 ms
Loss rate: 0.06%
```
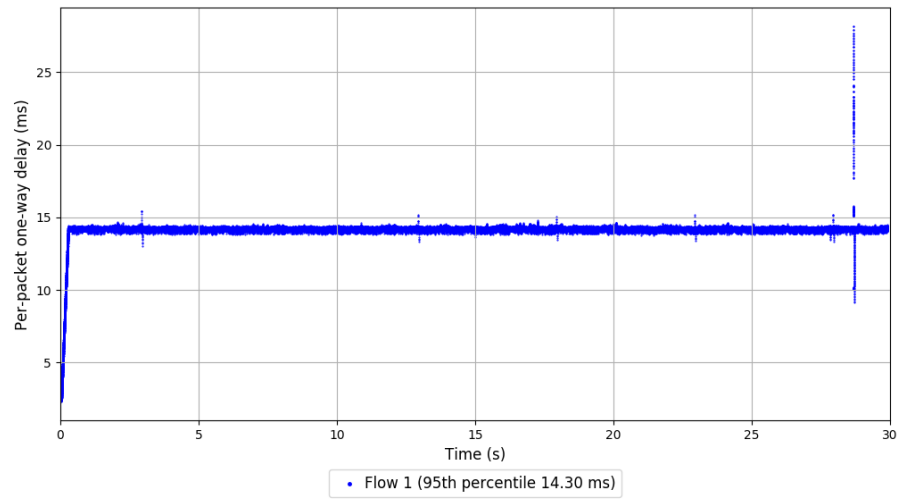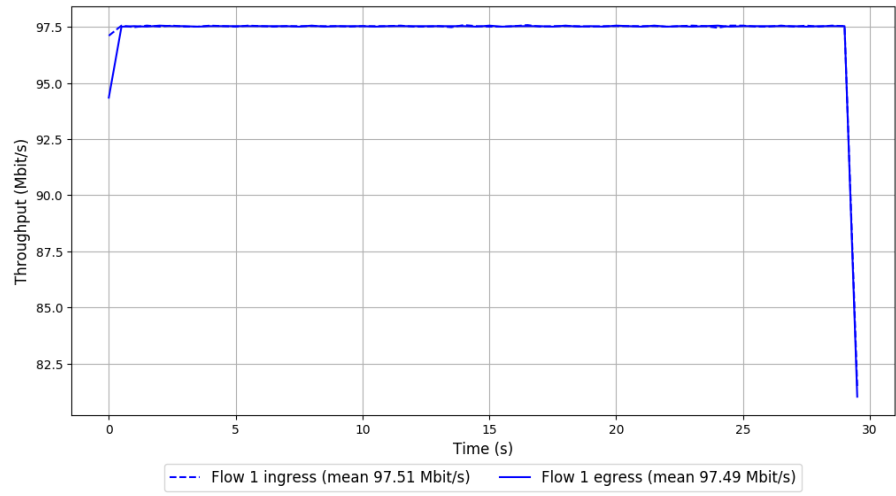
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.49 Mbit/s) --- Flow 1 egress (mean 97.47 Mbit/s)

Flow 1 (95th percentile 14.40 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-01-08 20:56:54
End at: 2018-01-08 20:57:24
Local clock offset: 0.555 ms
Remote clock offset: 0.498 ms


# Below is generated by plot.py at 2018-01-09 00:39:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.304 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.304 ms
Loss rate: 0.06%
```
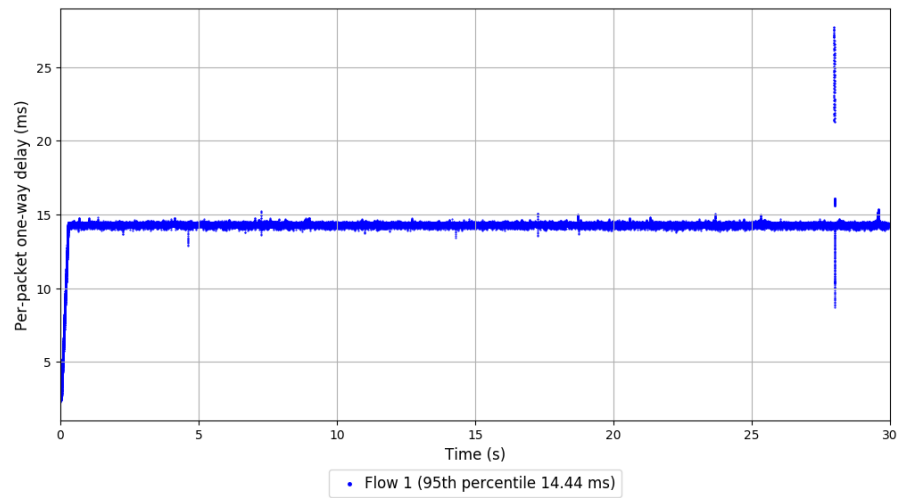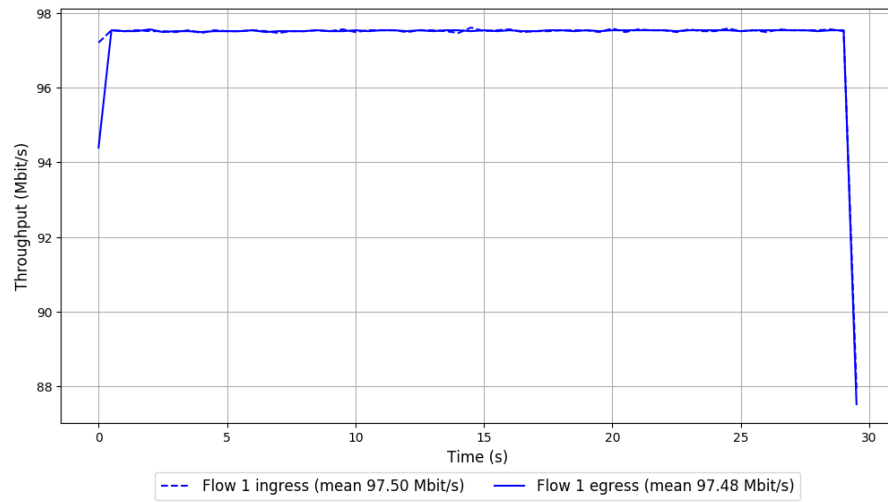
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.51 Mbit/s)   Flow 1 egress (mean 97.49 Mbit/s)

Flow 1 (95th percentile 14.30 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-01-08 21:13:50
End at: 2018-01-08 21:14:20
Local clock offset: 0.72 ms
Remote clock offset: 0.408 ms


# Below is generated by plot.py at 2018-01-09 00:39:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.436 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.436 ms
Loss rate: 0.06%
```
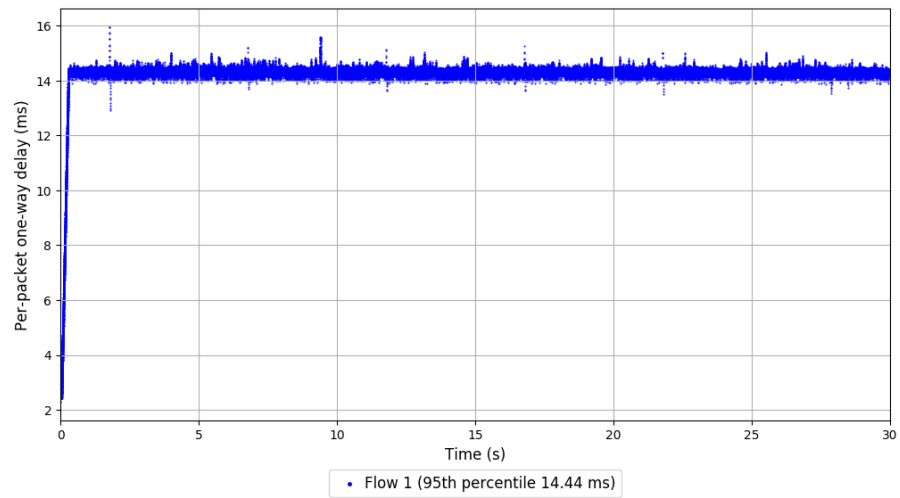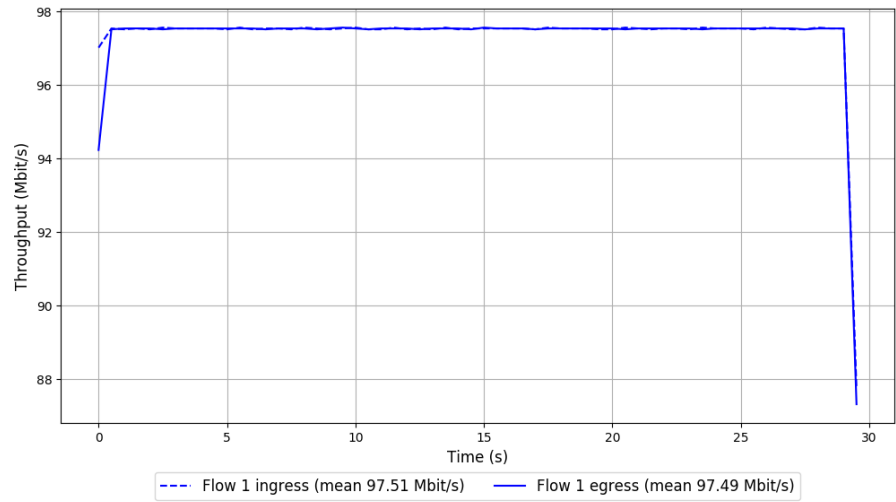
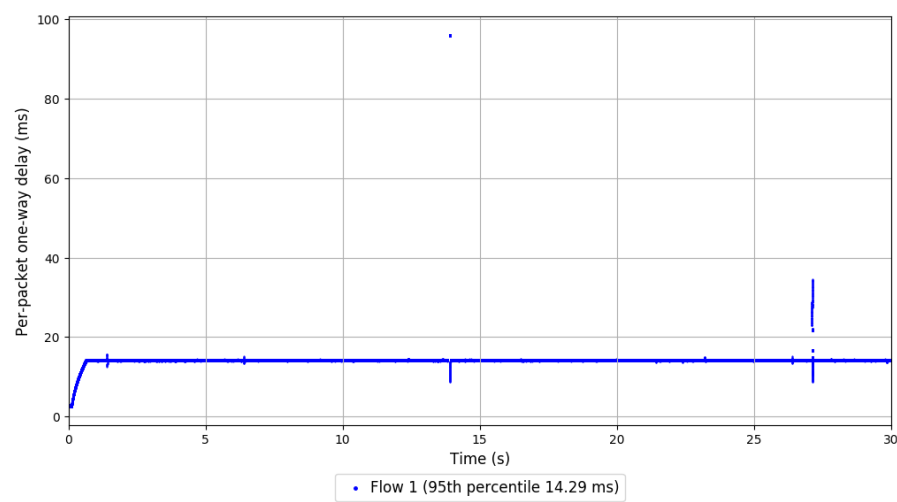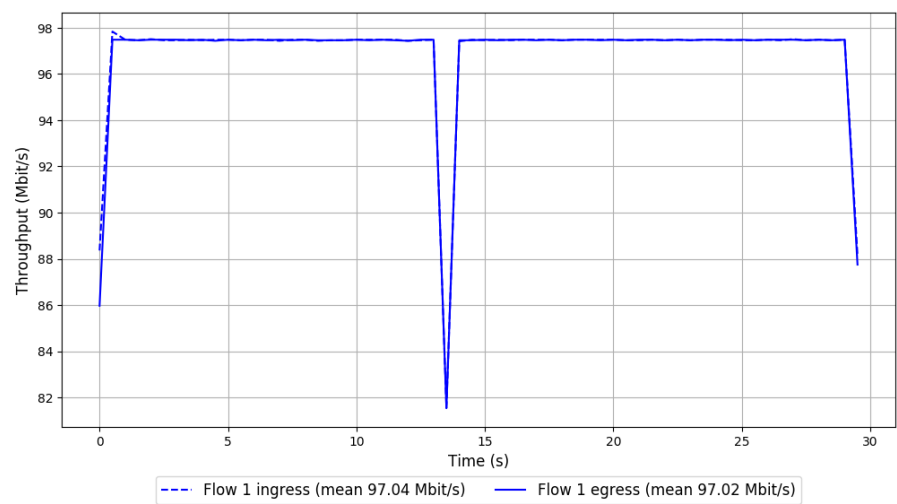## Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.50 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

Flow 1 (95th percentile 14.44 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-01-08 21:30:47
End at: 2018-01-08 21:31:17
Local clock offset: 0.925 ms
Remote clock offset: 0.299 ms


# Below is generated by plot.py at 2018-01-09 00:39:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.438 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 14.438 ms
Loss rate: 0.06%
```
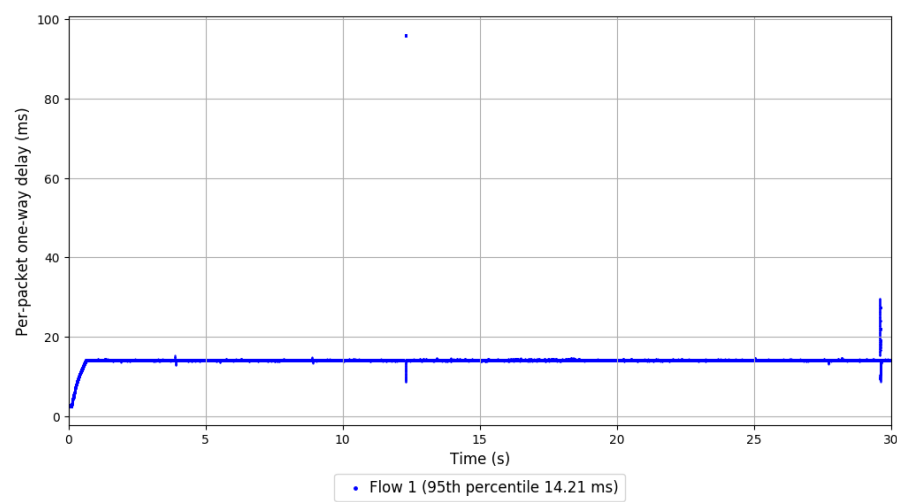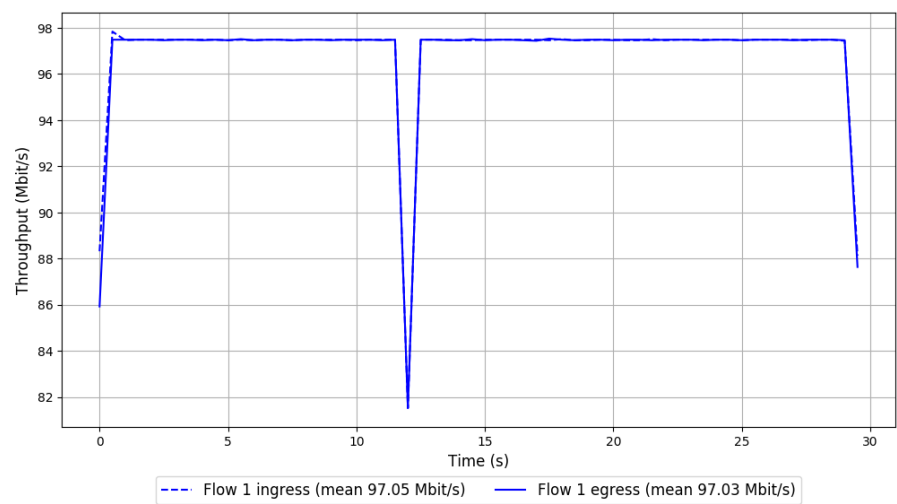
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2018-01-08 19:02:45
End at: 2018-01-08 19:03:15
Local clock offset: 4.884 ms
Remote clock offset: -0.231 ms

# Below is generated by plot.py at 2018-01-09 00:39:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 14.289 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 14.289 ms
Loss rate: 0.05%
```

Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.04 Mbit/s) --- Flow 1 egress (mean 97.02 Mbit/s)

Flow 1 (95th percentile 14.29 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2018-01-08 19:19:42
End at: 2018-01-08 19:20:12
Local clock offset: 9.335 ms
Remote clock offset: -0.035 ms


# Below is generated by plot.py at 2018-01-09 00:39:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 14.210 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 14.210 ms
Loss rate: 0.06%
```
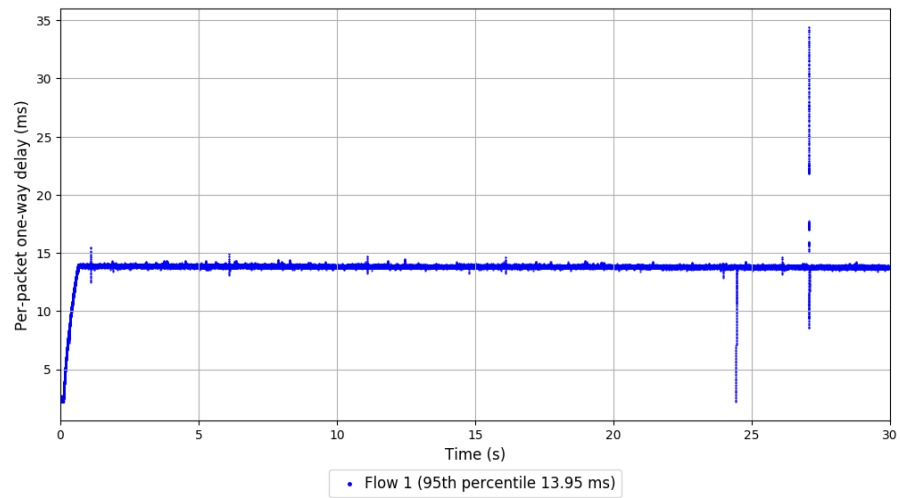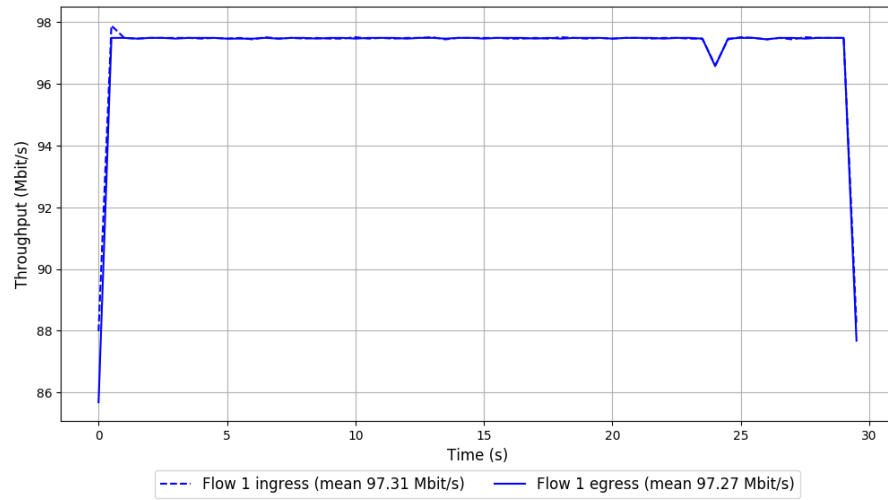
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.05 Mbit/s) --- Flow 1 egress (mean 97.03 Mbit/s)

• Flow 1 (95th percentile 14.21 ms)

47

```
Run 3: Statistics of LEDBAT

Start at: 2018-01-08 19:36:39
End at: 2018-01-08 19:37:09
Local clock offset: 7.859 ms
Remote clock offset: 0.13 ms


# Below is generated by plot.py at 2018-01-09 00:39:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 13.952 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 13.952 ms
Loss rate: 0.05%
```
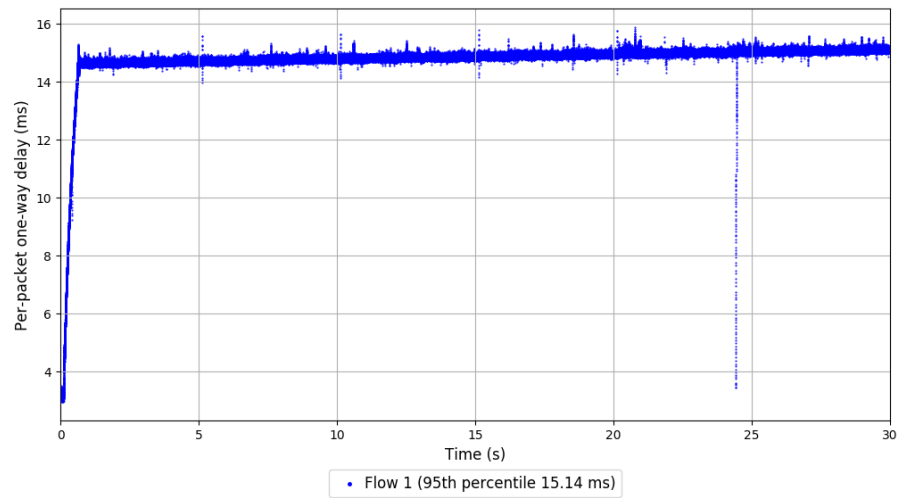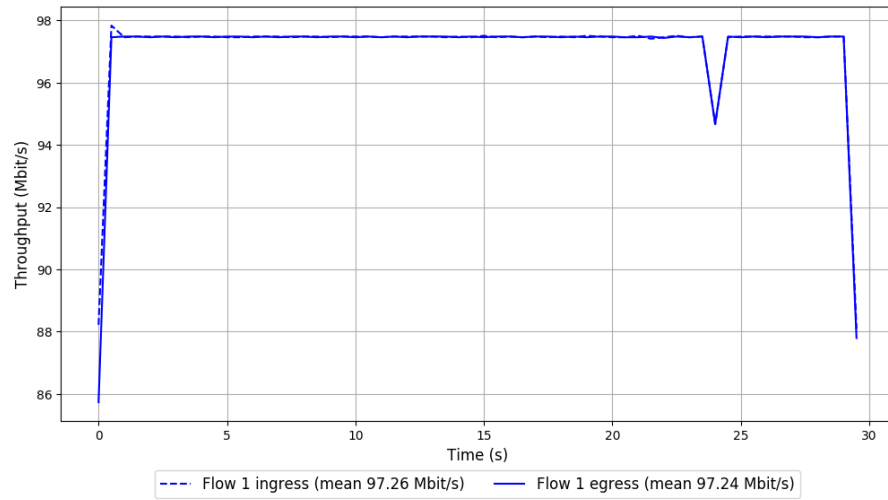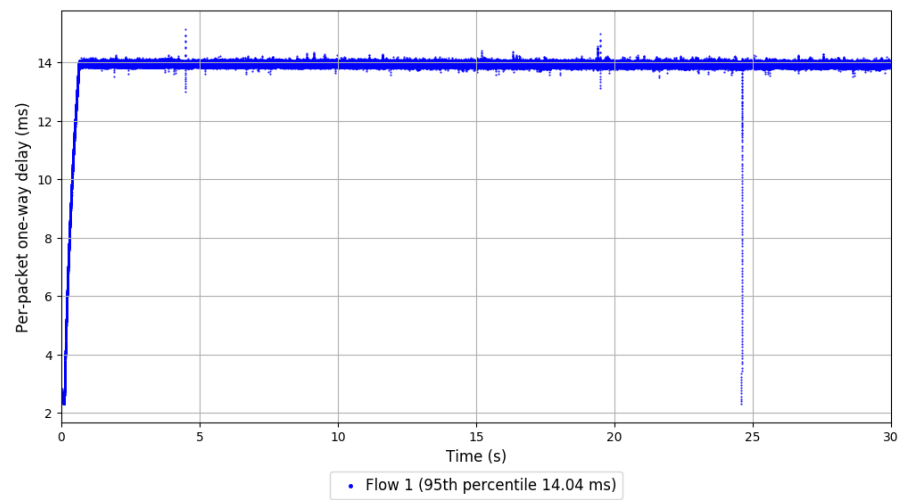
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.31 Mbit/s) --- Flow 1 egress (mean 97.27 Mbit/s)

Flow 1 (95th percentile 13.95 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-01-08 19:53:38
End at: 2018-01-08 19:54:08
Local clock offset: 4.504 ms
Remote clock offset: 0.323 ms


# Below is generated by plot.py at 2018-01-09 00:39:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 15.144 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 15.144 ms
Loss rate: 0.06%
```
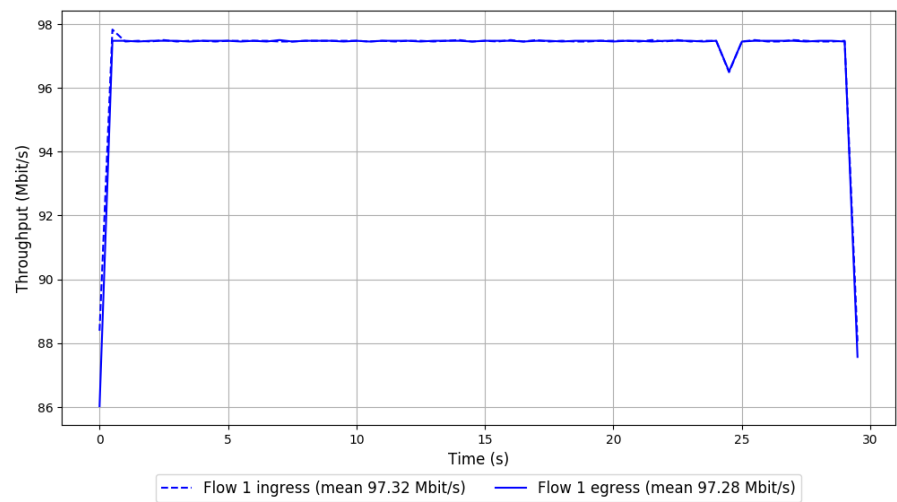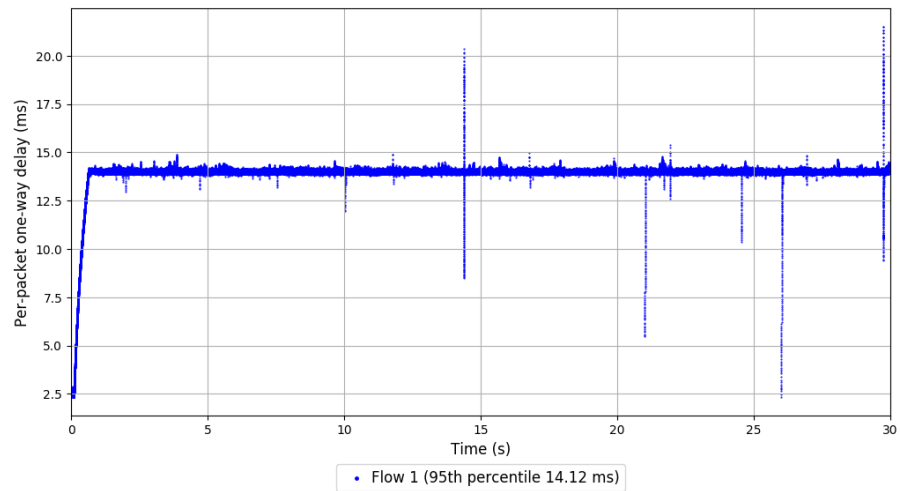
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.26 Mbit/s) ---- Flow 1 egress (mean 97.24 Mbit/s)

Flow 1 (95th percentile 15.14 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2018-01-08 20:10:33
End at: 2018-01-08 20:11:03
Local clock offset: -0.454 ms
Remote clock offset: 0.452 ms


# Below is generated by plot.py at 2018-01-09 00:41:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.044 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.044 ms
Loss rate: 0.06%
```
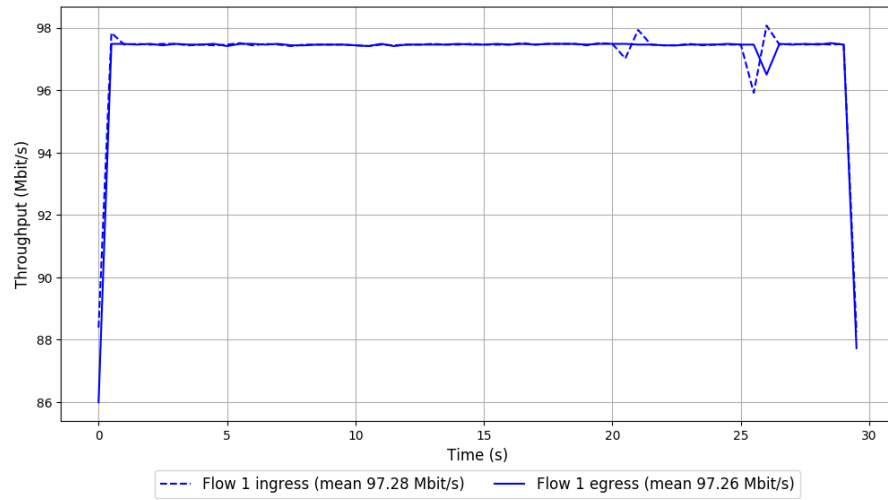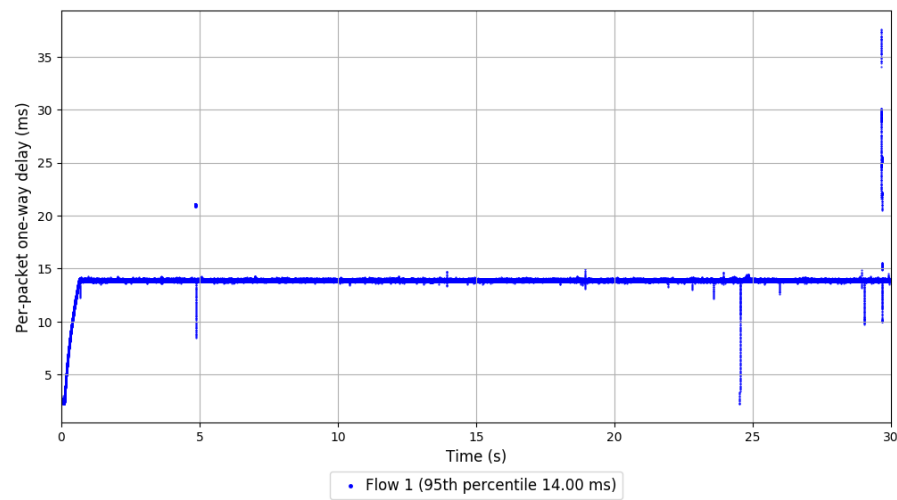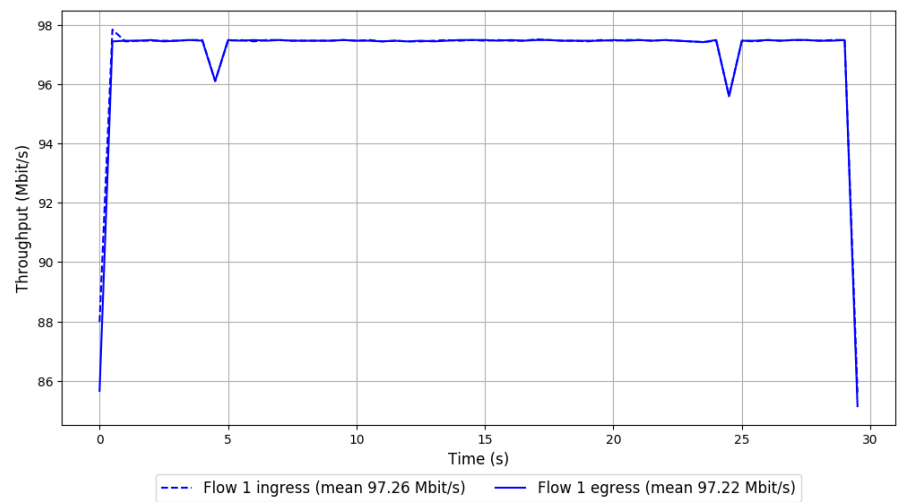
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.32 Mbit/s)   Flow 1 egress (mean 97.28 Mbit/s)

Flow 1 (95th percentile 14.04 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-01-08 20:27:33
End at: 2018-01-08 20:28:03
Local clock offset: 0.453 ms
Remote clock offset: 0.536 ms


# Below is generated by plot.py at 2018-01-09 00:41:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 14.116 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 14.116 ms
Loss rate: 0.06%
```
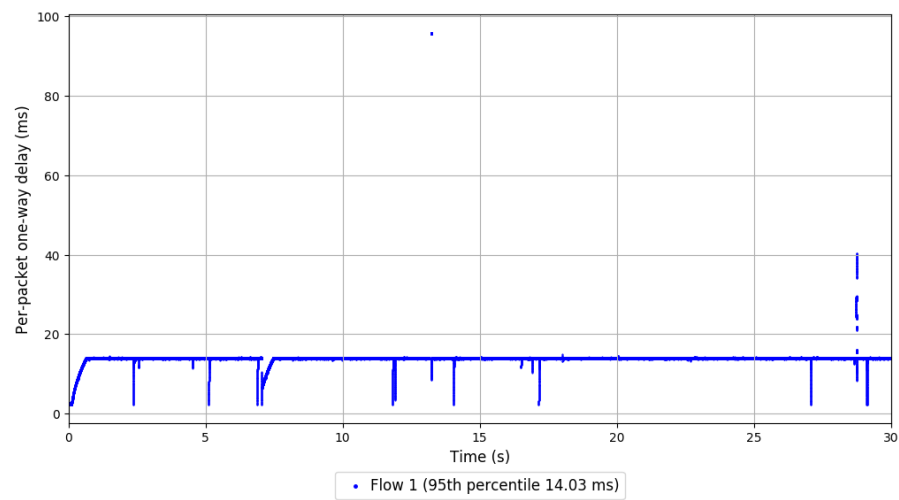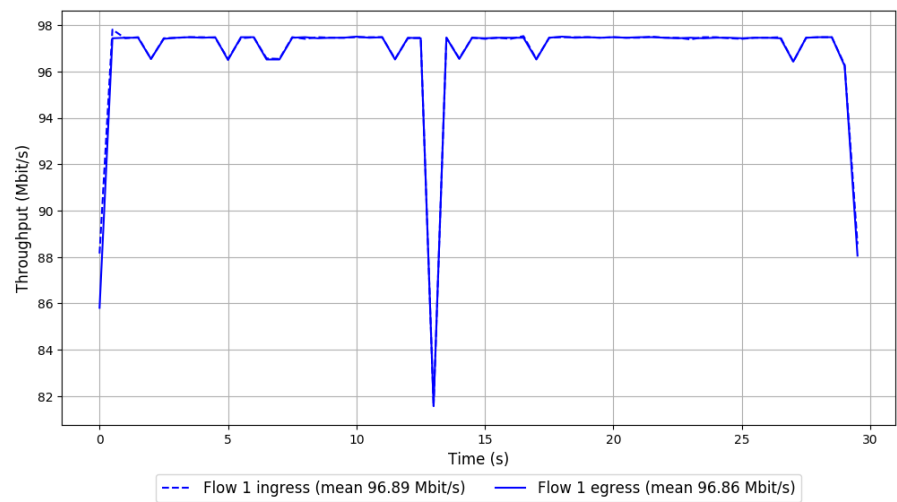
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.28 Mbit/s) ----- Flow 1 egress (mean 97.26 Mbit/s) ——

Flow 1 (95th percentile 14.12 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-01-08 20:44:30
End at: 2018-01-08 20:45:00
Local clock offset: 0.567 ms
Remote clock offset: 0.543 ms


# Below is generated by plot.py at 2018-01-09 00:42:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 14.000 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 14.000 ms
Loss rate: 0.05%
```
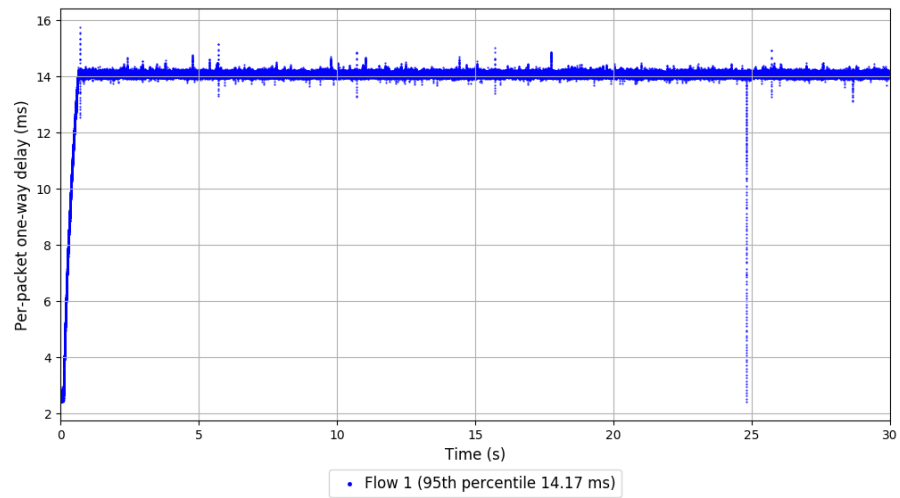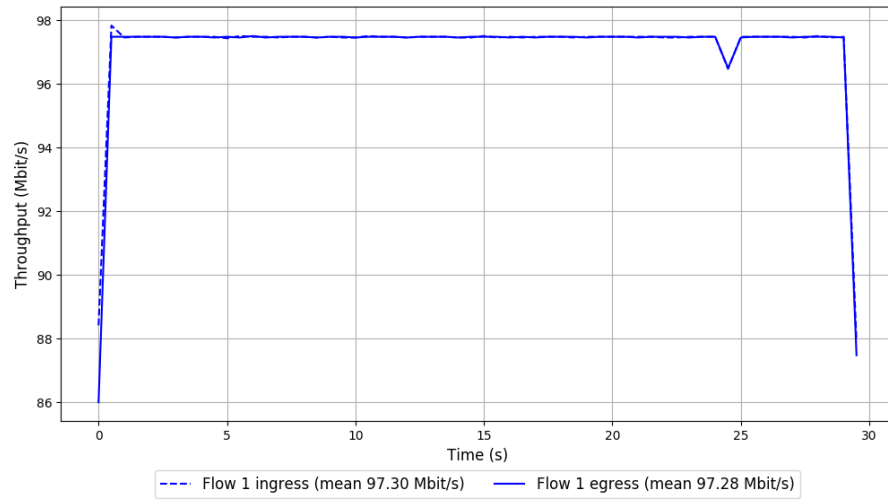
Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2018-01-08 21:01:26
End at: 2018-01-08 21:01:56
Local clock offset: 0.579 ms
Remote clock offset: 0.476 ms


# Below is generated by plot.py at 2018-01-09 00:42:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 14.031 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 14.031 ms
Loss rate: 0.06%
```
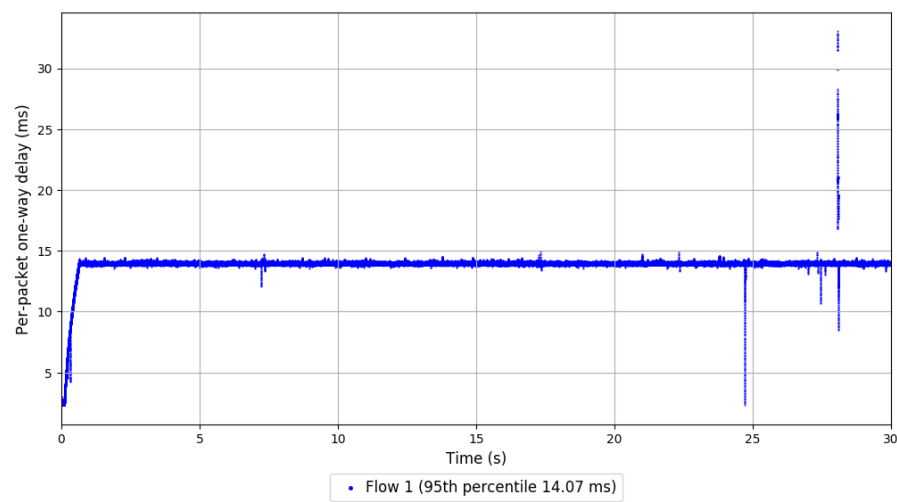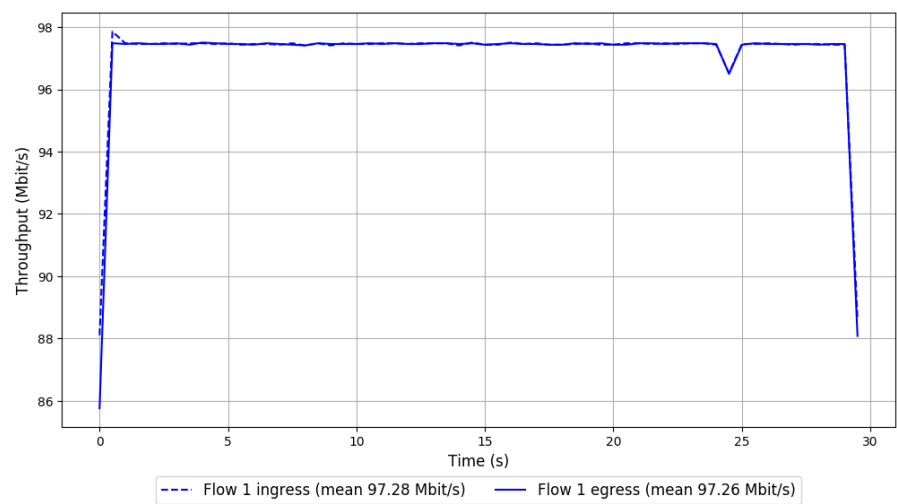
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 96.89 Mbit/s) --- Flow 1 egress (mean 96.86 Mbit/s)

• Flow 1 (95th percentile 14.03 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-01-08 21:18:23
End at: 2018-01-08 21:18:53
Local clock offset: 0.733 ms
Remote clock offset: 0.365 ms


# Below is generated by plot.py at 2018-01-09 00:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.172 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.172 ms
Loss rate: 0.06%
```

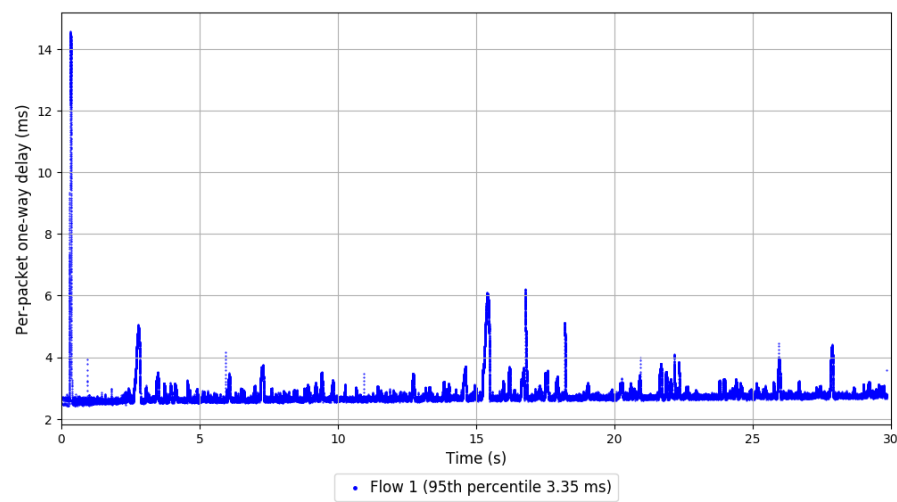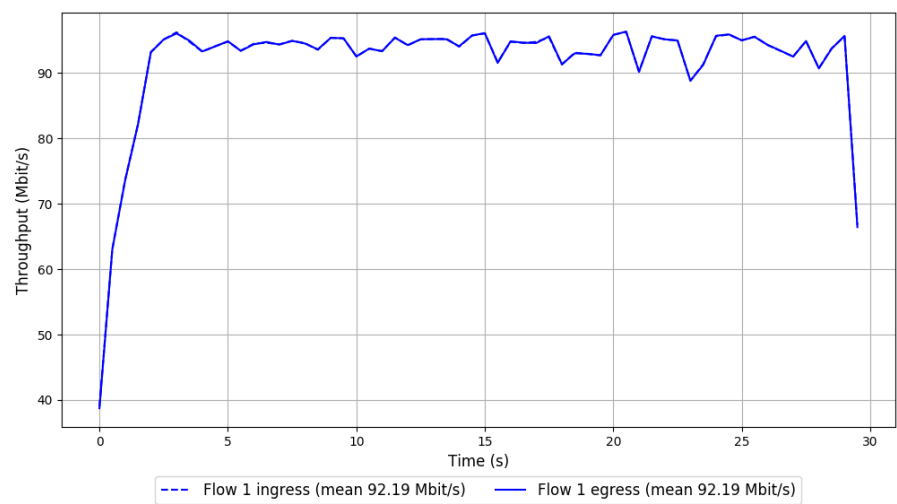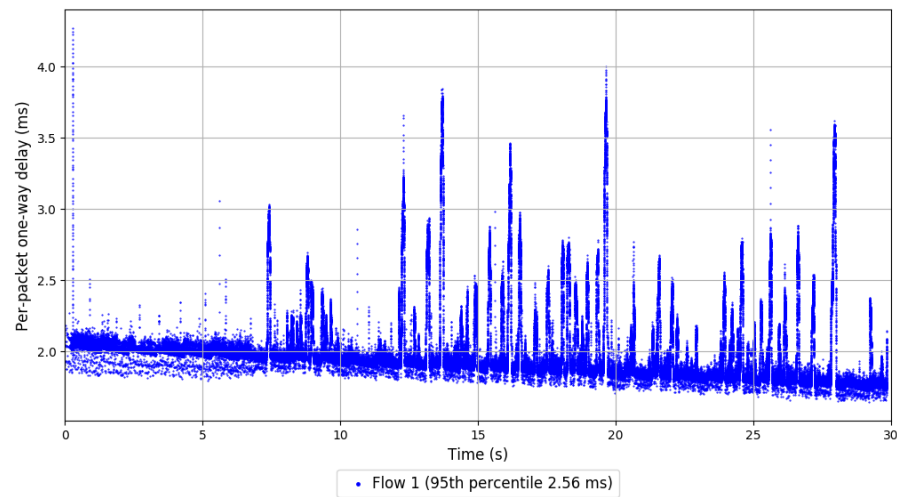# Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.30 Mbit/s)   Flow 1 egress (mean 97.28 Mbit/s)

Flow 1 (95th percentile 14.17 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2018-01-08 21:35:21
End at: 2018-01-08 21:35:51
Local clock offset: 1.004 ms
Remote clock offset: 0.357 ms


# Below is generated by plot.py at 2018-01-09 00:42:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 14.067 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 14.067 ms
Loss rate: 0.06%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.28 Mbit/s)   Flow 1 egress (mean 97.26 Mbit/s)

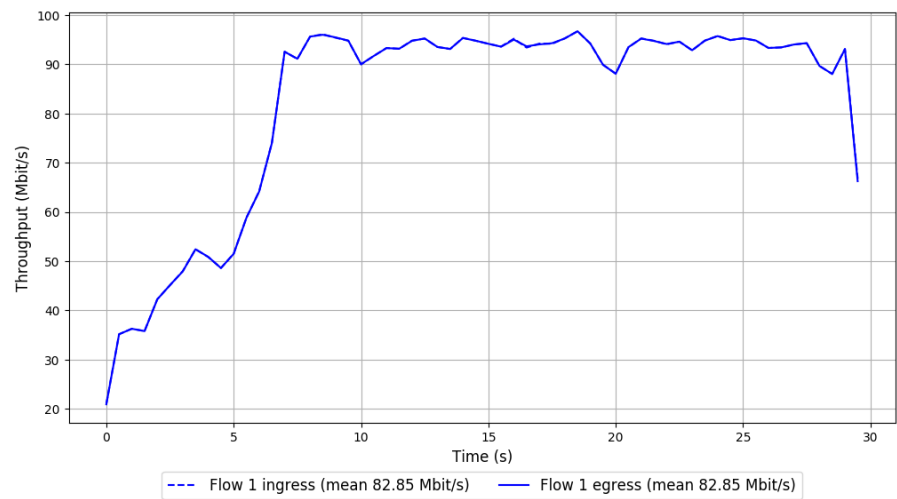Flow 1 (95th percentile 14.07 ms)

```
Run 1: Statistics of PCC

Start at: 2018-01-08 18:57:06
End at: 2018-01-08 18:57:36
Local clock offset: 6.587 ms
Remote clock offset: -0.184 ms


# Below is generated by plot.py at 2018-01-09 00:42:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 3.349 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 3.349 ms
Loss rate: 0.02%
```
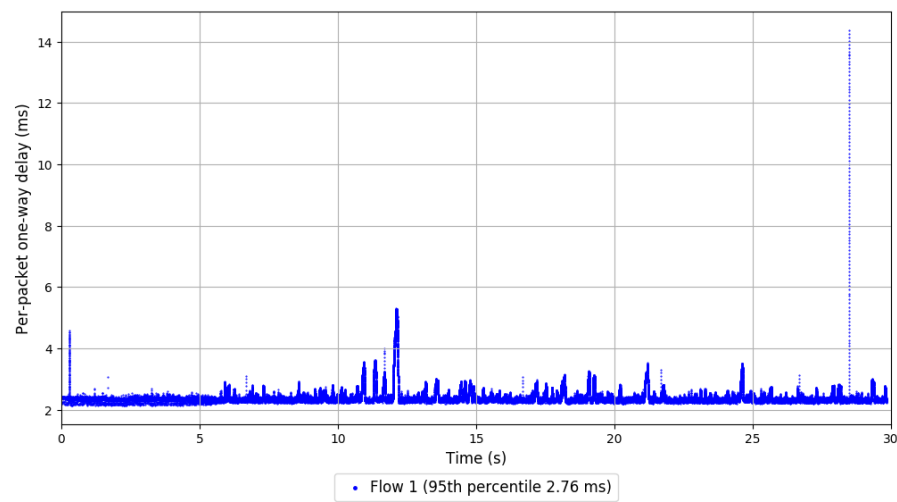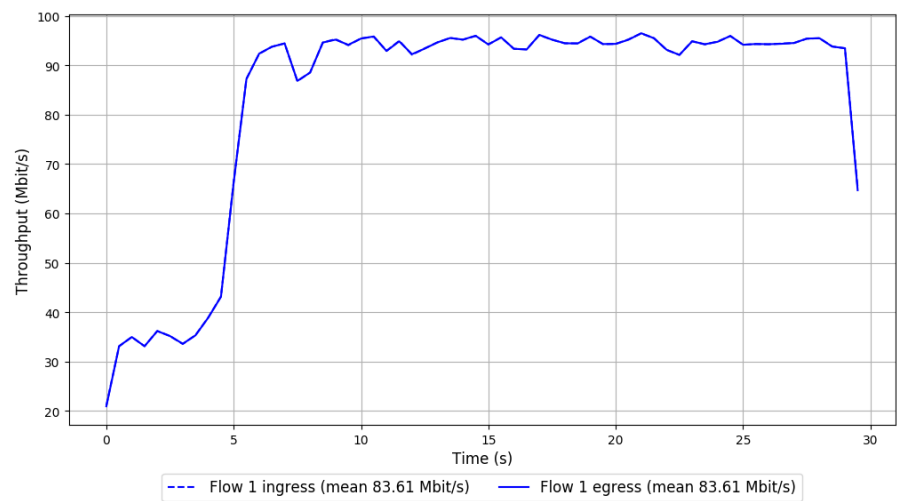
Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2018-01-08 19:14:02
End at: 2018-01-08 19:14:32
Local clock offset: 8.226 ms
Remote clock offset: -0.099 ms


# Below is generated by plot.py at 2018-01-09 00:42:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 2.555 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 2.555 ms
Loss rate: 0.02%
```
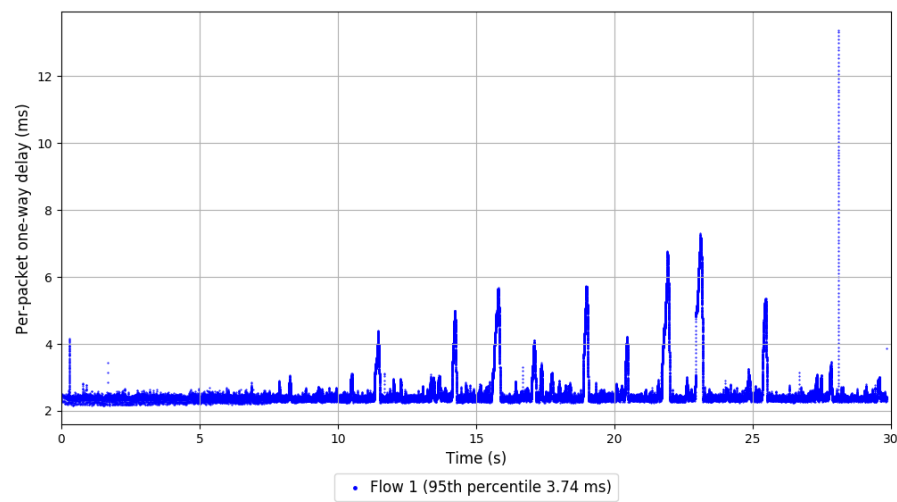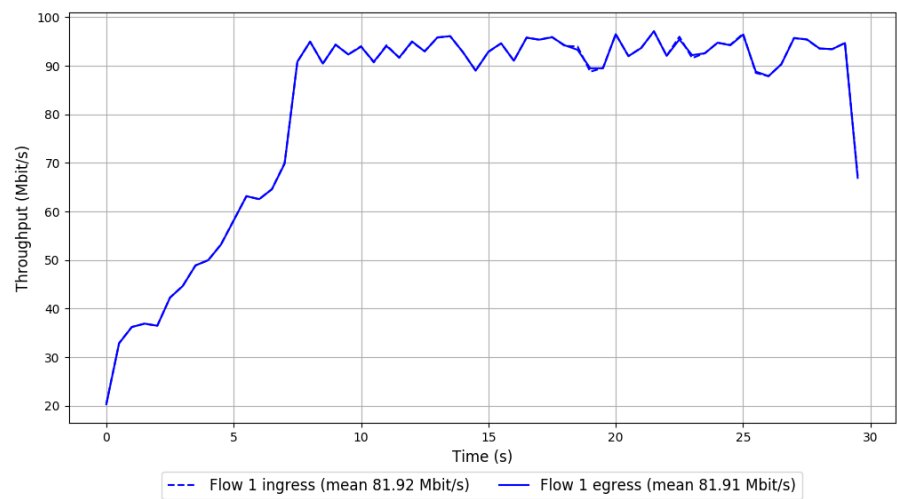
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 82.85 Mbit/s)   Flow 1 egress (mean 82.85 Mbit/s)

Flow 1 (95th percentile 2.56 ms)

```
Run 3: Statistics of PCC

Start at: 2018-01-08 19:30:59
End at: 2018-01-08 19:31:29
Local clock offset: 7.203 ms
Remote clock offset: 0.07 ms


# Below is generated by plot.py at 2018-01-09 00:44:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 2.756 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 2.756 ms
Loss rate: 0.02%
```
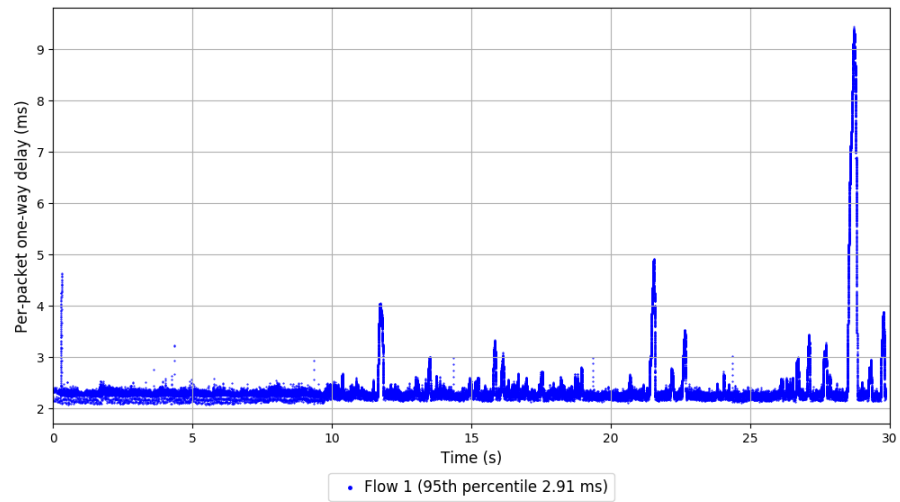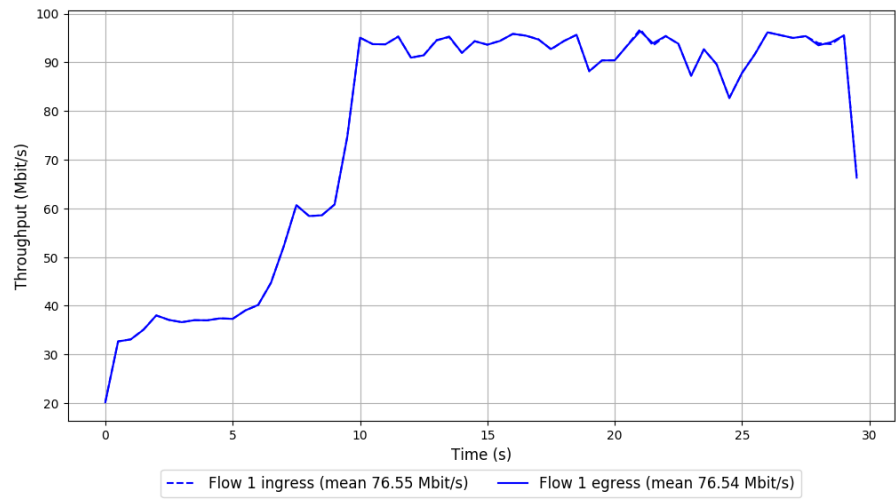
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 83.61 Mbit/s) --- Flow 1 egress (mean 83.61 Mbit/s)

Flow 1 (95th percentile 2.76 ms)

69

```
Run 4: Statistics of PCC

Start at: 2018-01-08 19:47:57
End at: 2018-01-08 19:48:27
Local clock offset: 7.339 ms
Remote clock offset: 0.249 ms


# Below is generated by plot.py at 2018-01-09 00:44:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 3.741 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 3.741 ms
Loss rate: 0.02%
```
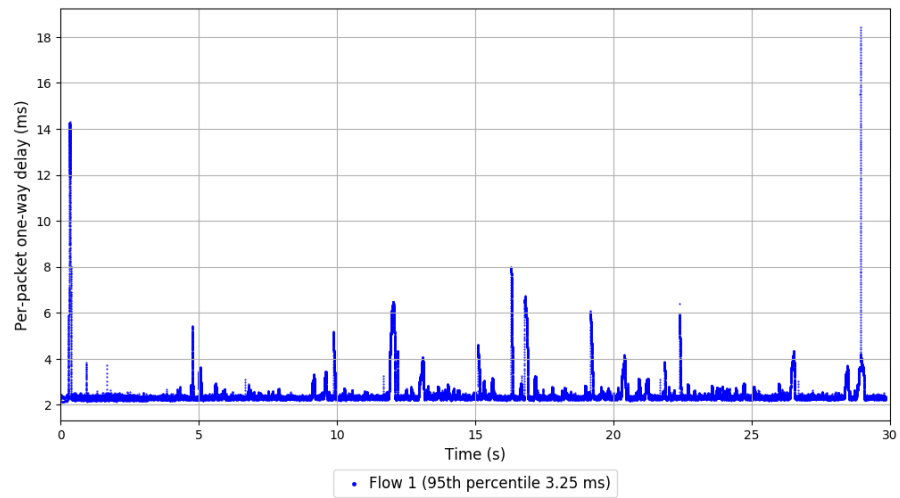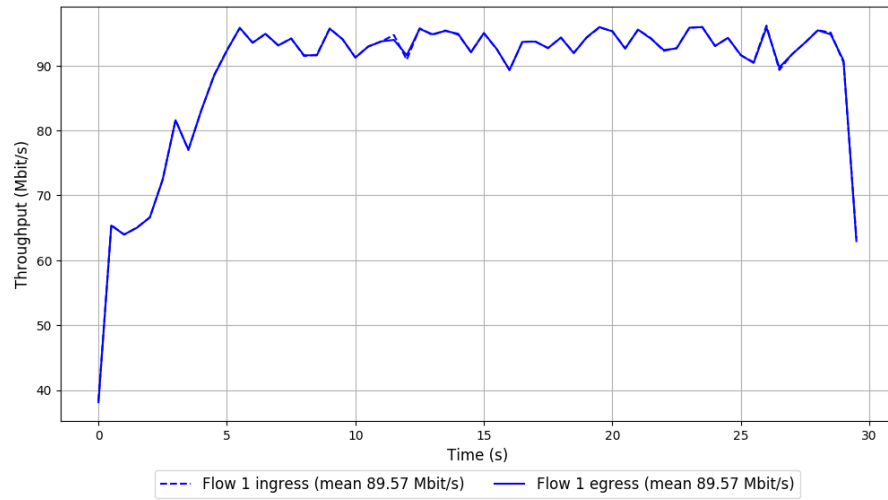
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 81.92 Mbit/s)   Flow 1 egress (mean 81.91 Mbit/s)

Flow 1 (95th percentile 3.74 ms)

```
Run 5: Statistics of PCC

Start at: 2018-01-08 20:04:55
End at: 2018-01-08 20:05:25
Local clock offset: -0.946 ms
Remote clock offset: 0.403 ms


# Below is generated by plot.py at 2018-01-09 00:44:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 2.907 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 2.907 ms
Loss rate: 0.02%
```
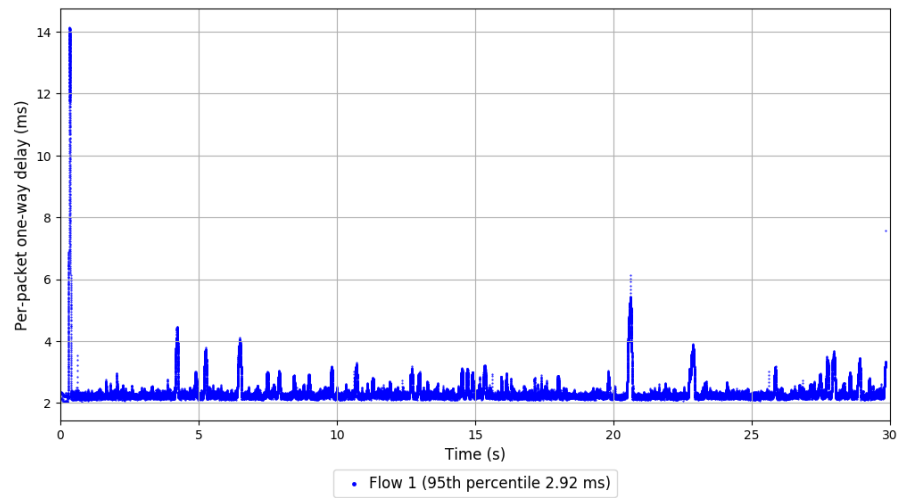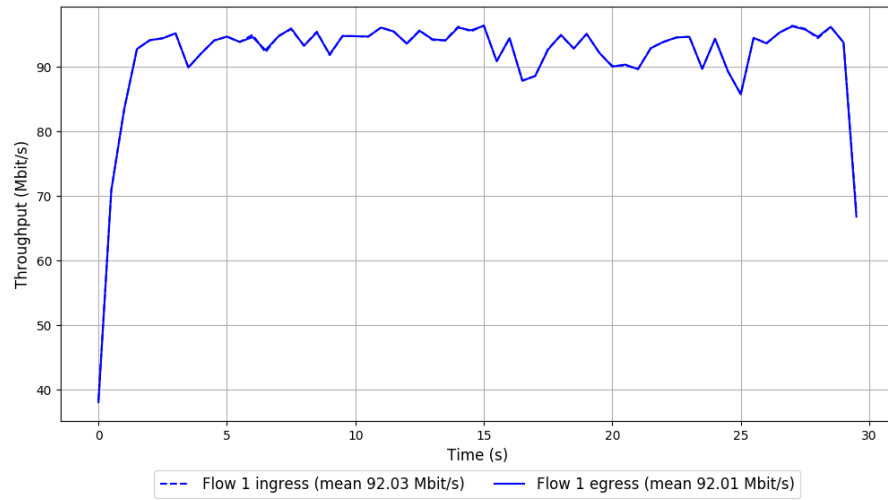
Run 5: Report of PCC — Data Link

73

```
Run 6: Statistics of PCC

Start at: 2018-01-08 20:21:51
End at: 2018-01-08 20:22:21
Local clock offset: 0.373 ms
Remote clock offset: 0.542 ms


# Below is generated by plot.py at 2018-01-09 00:44:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 3.254 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 3.254 ms
Loss rate: 0.02%
```
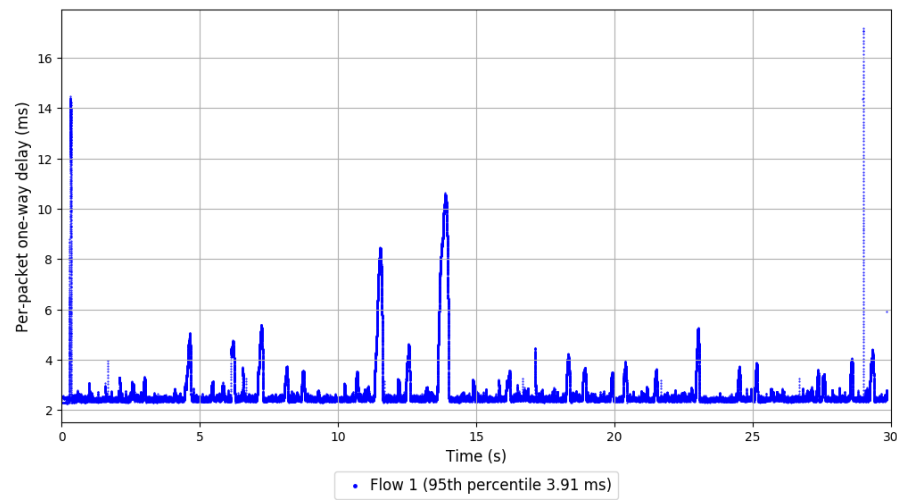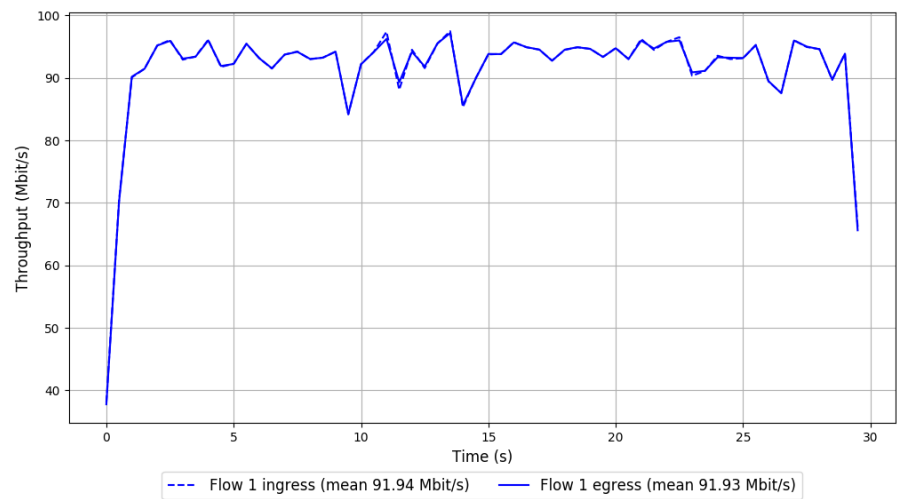
Run 6: Report of PCC — Data Link

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

Flow 1 (95th percentile 3.25 ms)

75

```
Run 7: Statistics of PCC

Start at: 2018-01-08 20:38:51
End at: 2018-01-08 20:39:21
Local clock offset: 0.564 ms
Remote clock offset: 0.575 ms


# Below is generated by plot.py at 2018-01-09 00:44:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 2.917 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 2.917 ms
Loss rate: 0.02%
```
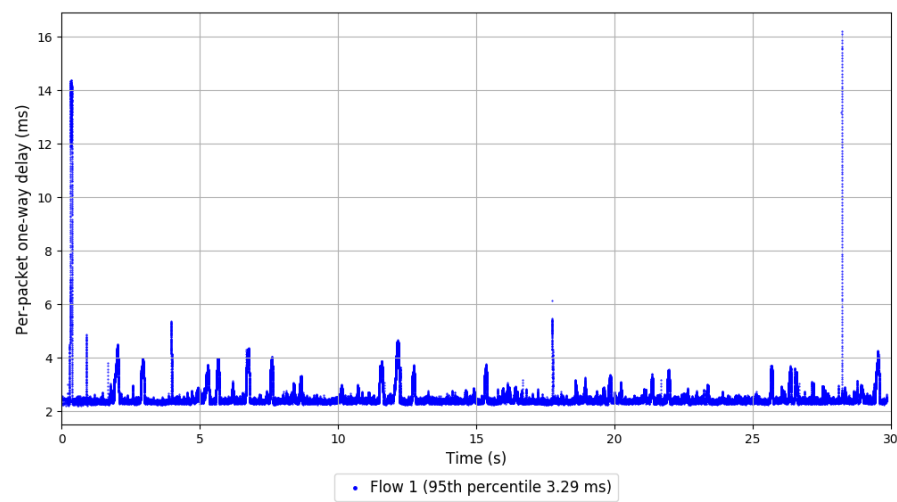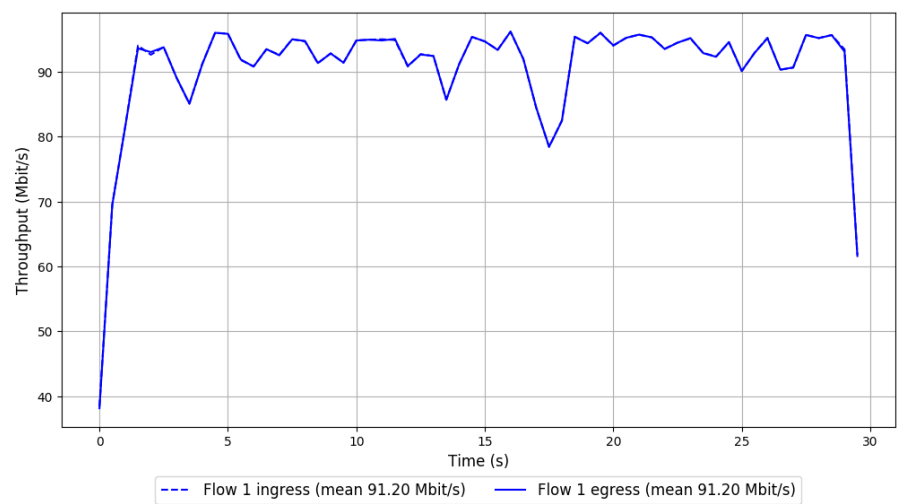
Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2018-01-08 20:55:48
End at: 2018-01-08 20:56:18
Local clock offset: 0.649 ms
Remote clock offset: 0.432 ms


# Below is generated by plot.py at 2018-01-09 00:44:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 3.910 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 3.910 ms
Loss rate: 0.02%
```
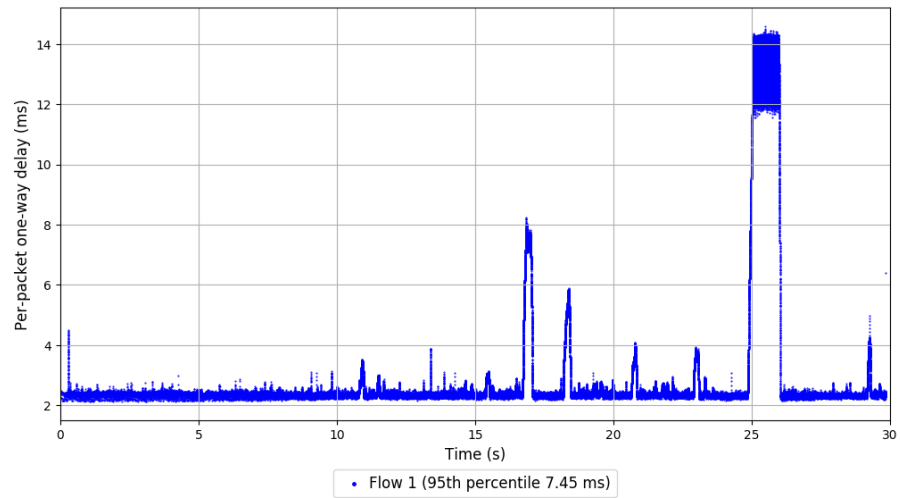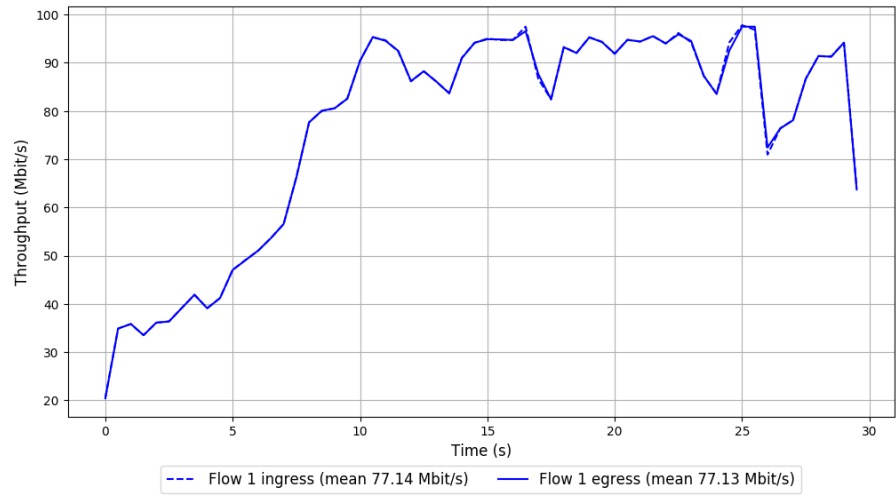
Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: 2018-01-08 21:12:43
End at: 2018-01-08 21:13:13
Local clock offset: 0.651 ms
Remote clock offset: 0.406 ms


# Below is generated by plot.py at 2018-01-09 00:44:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 3.290 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 3.290 ms
Loss rate: 0.02%
```
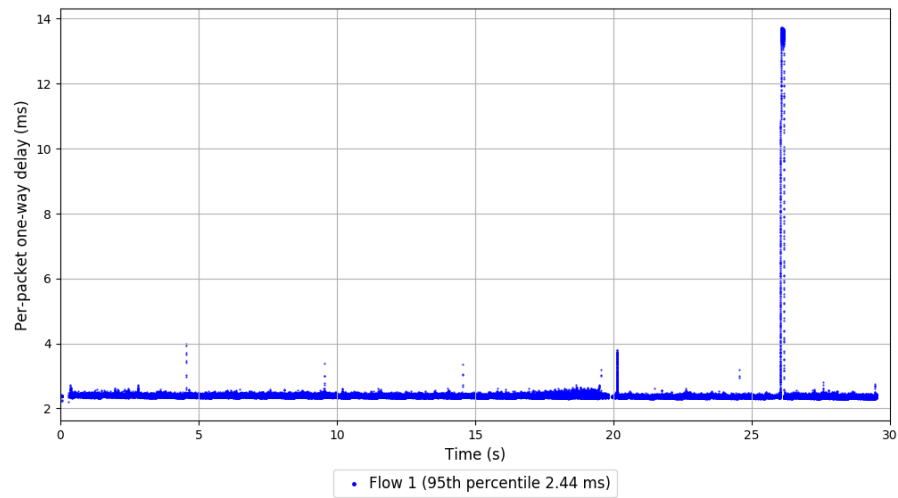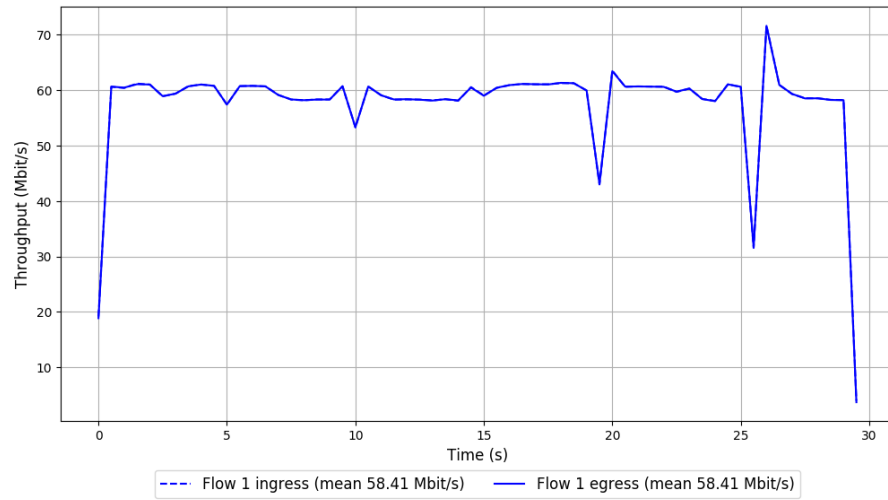
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 91.20 Mbit/s)   Flow 1 egress (mean 91.20 Mbit/s)

Flow 1 (95th percentile 3.29 ms)

```
Run 10: Statistics of PCC

Start at: 2018-01-08 21:29:41
End at: 2018-01-08 21:30:11
Local clock offset: 0.825 ms
Remote clock offset: 0.322 ms


# Below is generated by plot.py at 2018-01-09 00:44:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.13 Mbit/s
95th percentile per-packet one-way delay: 7.446 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 77.13 Mbit/s
95th percentile per-packet one-way delay: 7.446 ms
Loss rate: 0.02%
```
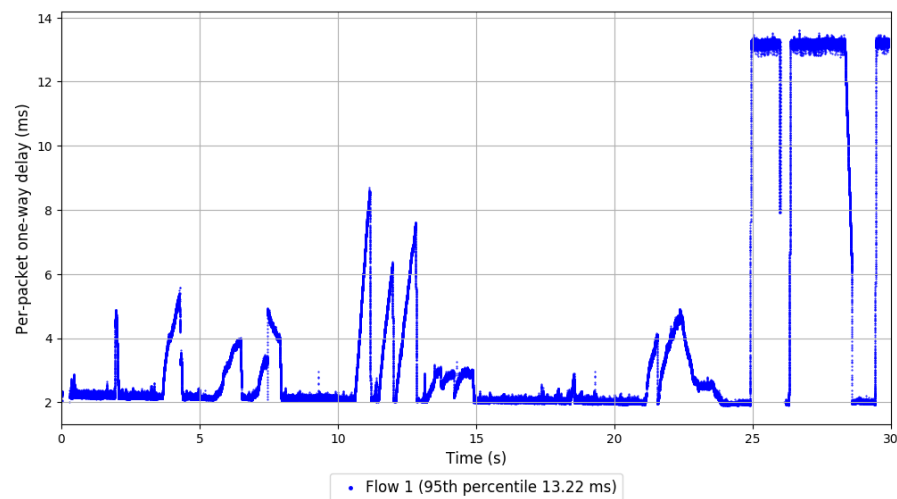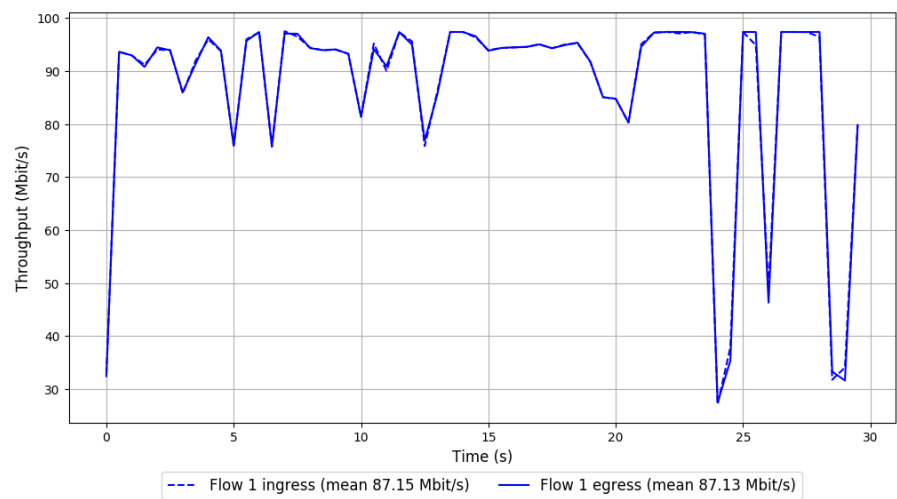
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 77.14 Mbit/s)   Flow 1 egress (mean 77.13 Mbit/s)

Flow 1 (95th percentile 7.45 ms)

83

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-08 18:59:21
End at: 2018-01-08 18:59:51
Local clock offset: 5.98 ms
Remote clock offset: -0.186 ms


# Below is generated by plot.py at 2018-01-09 00:45:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 2.436 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 2.436 ms
Loss rate: 0.02%
```
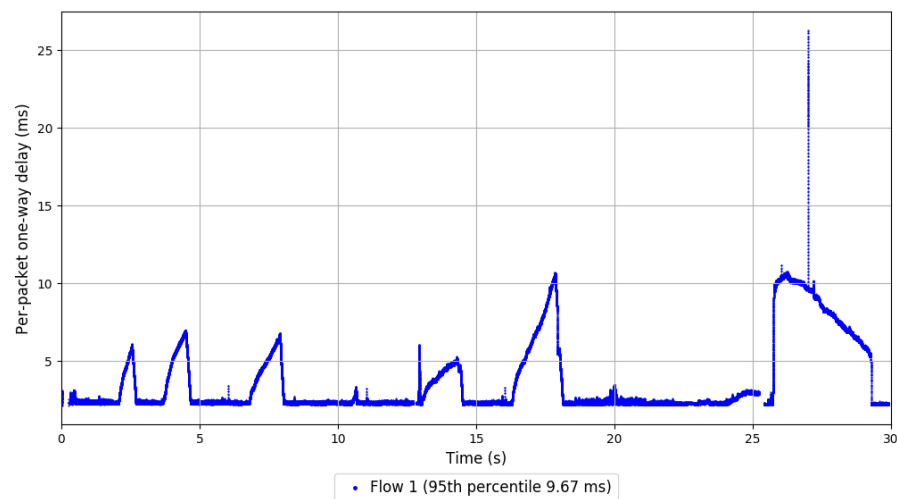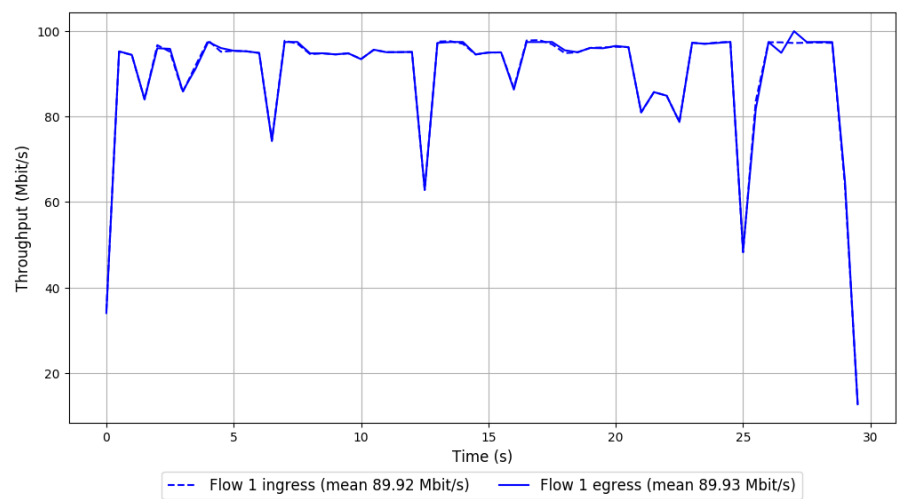
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-08 19:16:17
End at: 2018-01-08 19:16:47
Local clock offset: 9.646 ms
Remote clock offset: -0.079 ms


# Below is generated by plot.py at 2018-01-09 00:46:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 13.218 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 13.218 ms
Loss rate: 0.06%
```
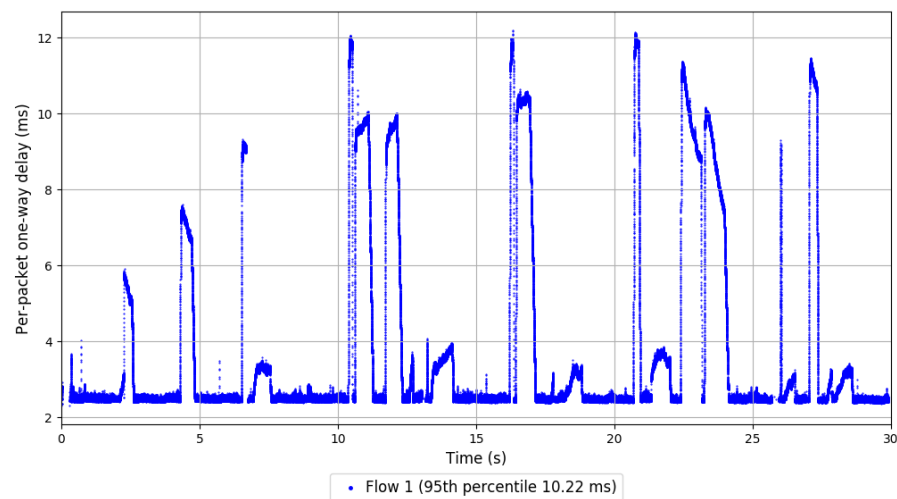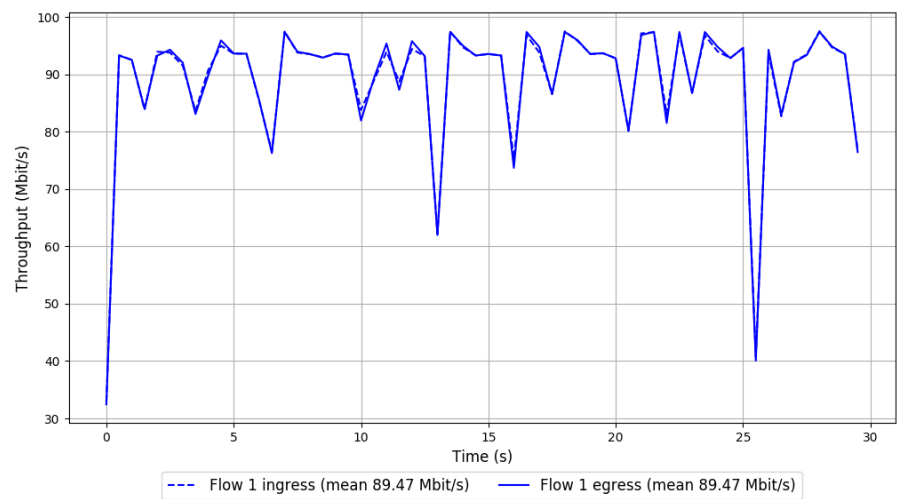
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 87.15 Mbit/s) --- Flow 1 egress (mean 87.13 Mbit/s)

• Flow 1 (95th percentile 13.22 ms)

87

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-01-08 19:33:14
End at: 2018-01-08 19:33:44
Local clock offset: 7.303 ms
Remote clock offset: 0.086 ms


# Below is generated by plot.py at 2018-01-09 00:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 9.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 9.668 ms
Loss rate: 0.00%
```
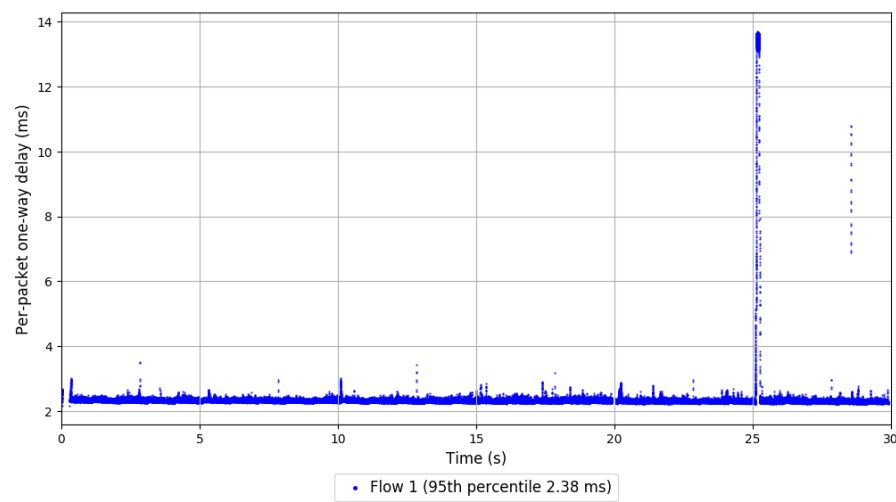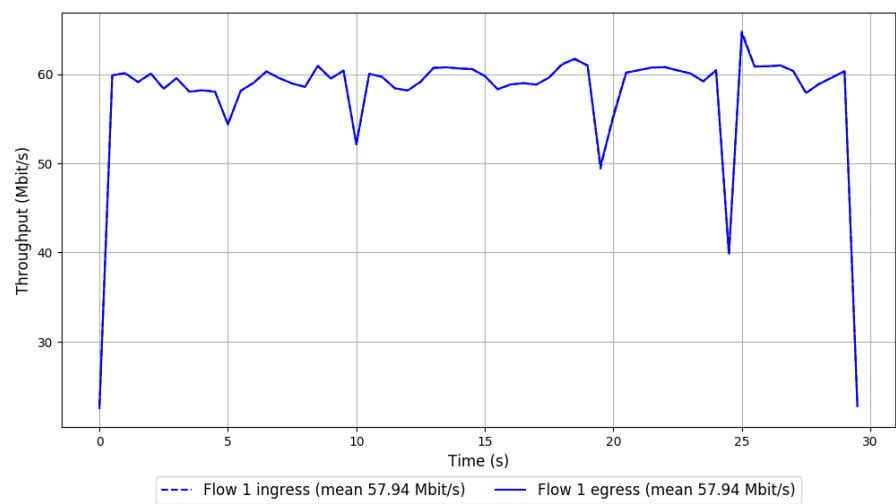
Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 89.92 Mbit/s) --- Flow 1 egress (mean 89.93 Mbit/s)

Flow 1 (95th percentile 9.67 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-08 19:50:12
End at: 2018-01-08 19:50:42
Local clock offset: 7.36 ms
Remote clock offset: 0.173 ms

# Below is generated by plot.py at 2018-01-09 00:47:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 10.221 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 10.221 ms
Loss rate: 0.02%
```
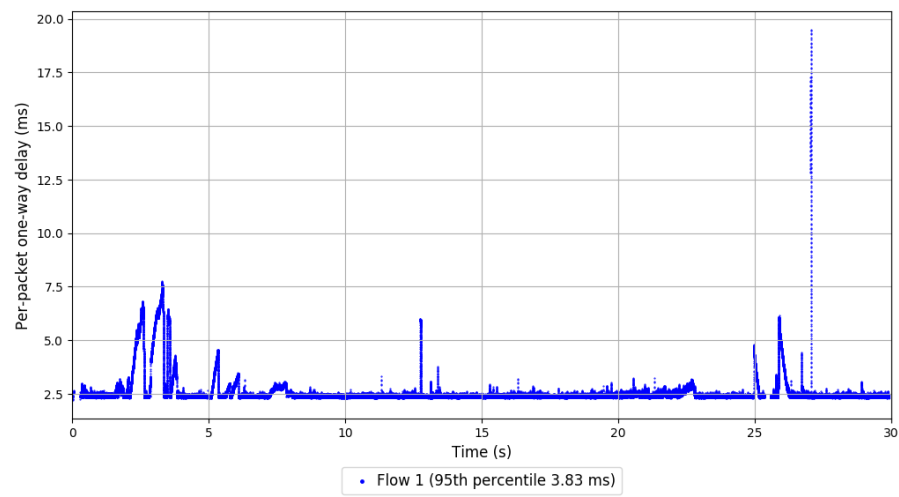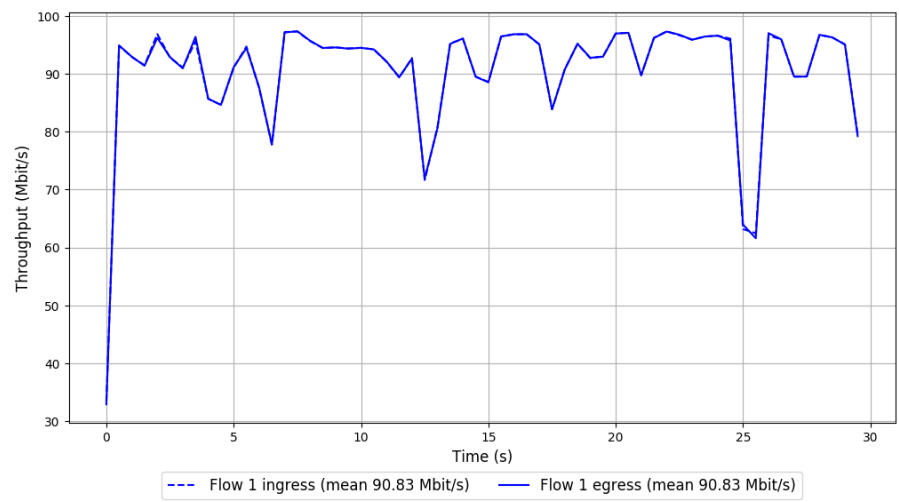
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 89.47 Mbit/s)   Flow 1 egress (mean 89.47 Mbit/s)

• Flow 1 (95th percentile 10.22 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-08 20:07:10
End at: 2018-01-08 20:07:40
Local clock offset: -0.761 ms
Remote clock offset: 0.416 ms

# Below is generated by plot.py at 2018-01-09 00:47:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 2.384 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 2.384 ms
Loss rate: 0.01%
```
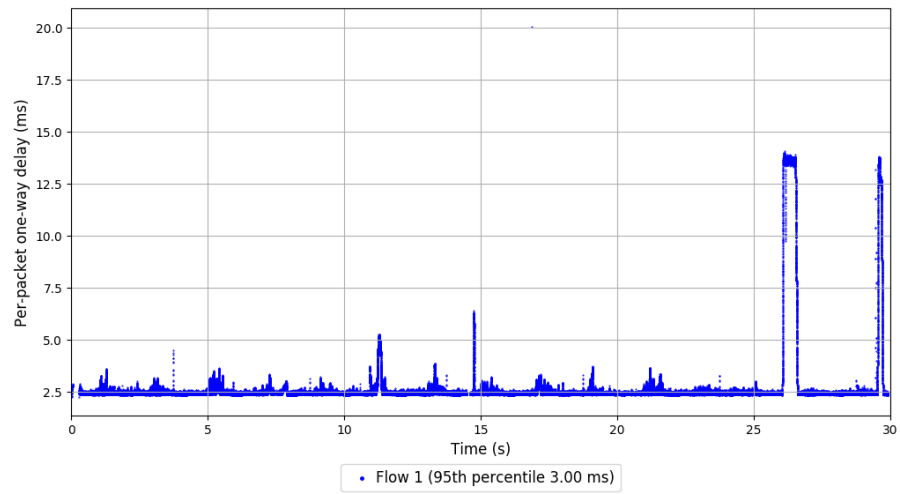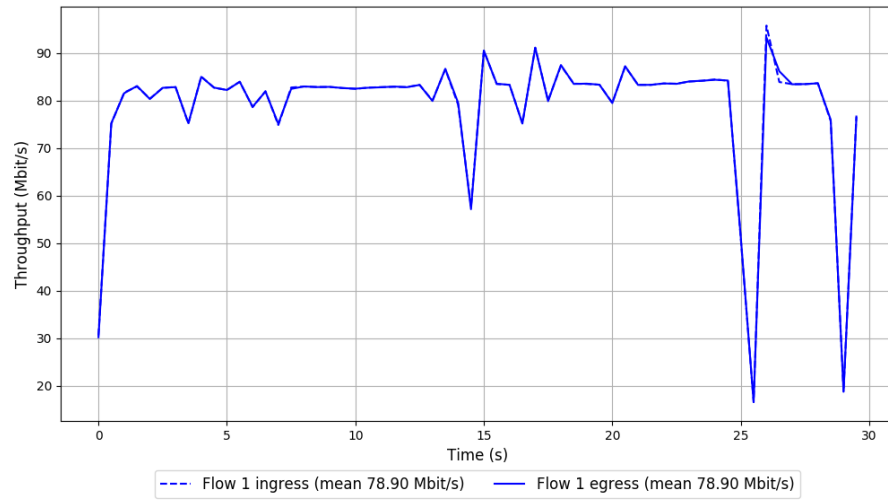
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 57.94 Mbit/s)   Flow 1 egress (mean 57.94 Mbit/s)

Flow 1 (95th percentile 2.38 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-01-08 20:24:06
End at: 2018-01-08 20:24:36
Local clock offset: 0.338 ms
Remote clock offset: 0.478 ms


# Below is generated by plot.py at 2018-01-09 00:47:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.83 Mbit/s
95th percentile per-packet one-way delay: 3.833 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.83 Mbit/s
95th percentile per-packet one-way delay: 3.833 ms
Loss rate: 0.01%
```
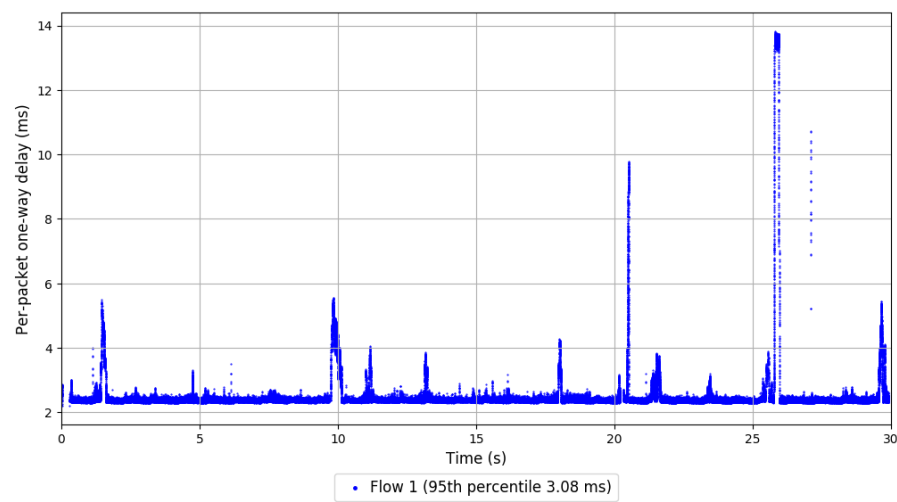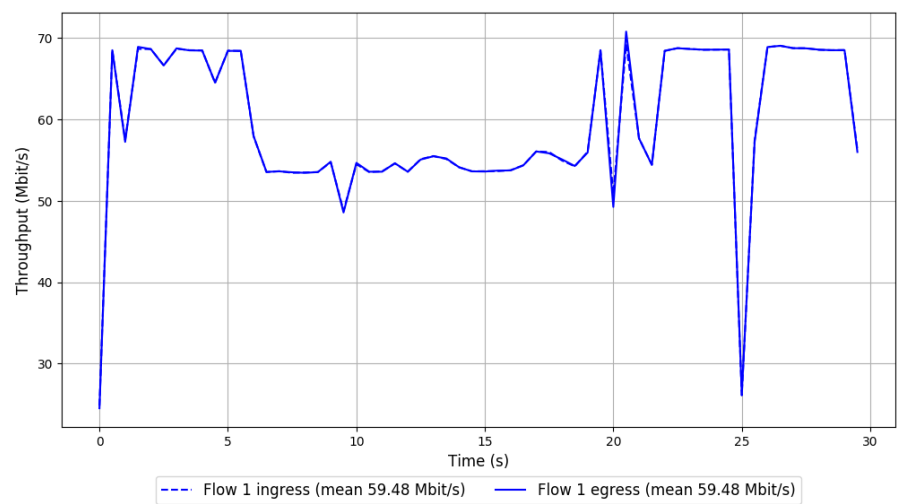
Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-08 20:41:06
End at: 2018-01-08 20:41:36
Local clock offset: 0.661 ms
Remote clock offset: 0.533 ms

# Below is generated by plot.py at 2018-01-09 00:47:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 3.002 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 3.002 ms
Loss rate: 0.02%
```
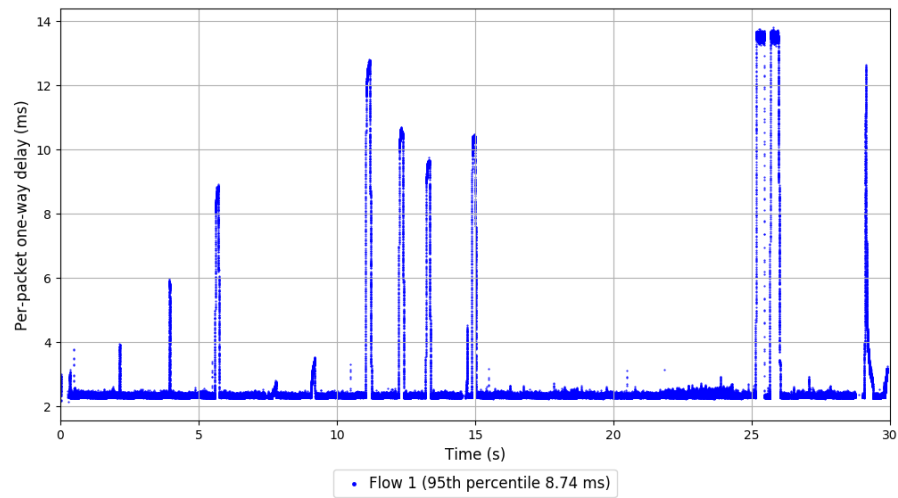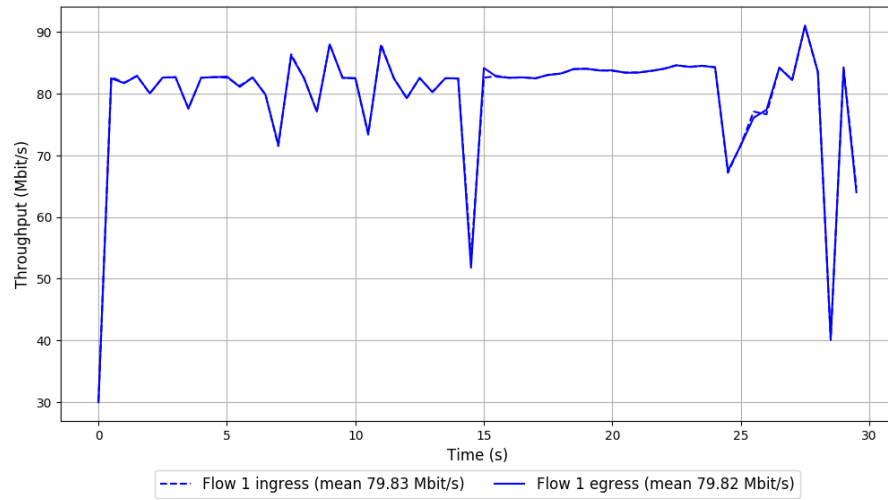
Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-01-08 20:58:03
End at: 2018-01-08 20:58:33
Local clock offset: 0.625 ms
Remote clock offset: 0.496 ms


# Below is generated by plot.py at 2018-01-09 00:47:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 3.076 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 3.076 ms
Loss rate: 0.02%
```
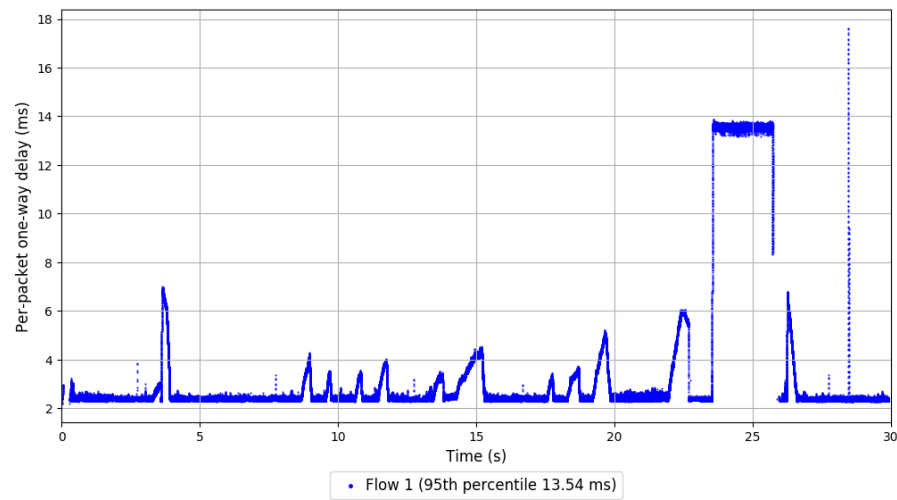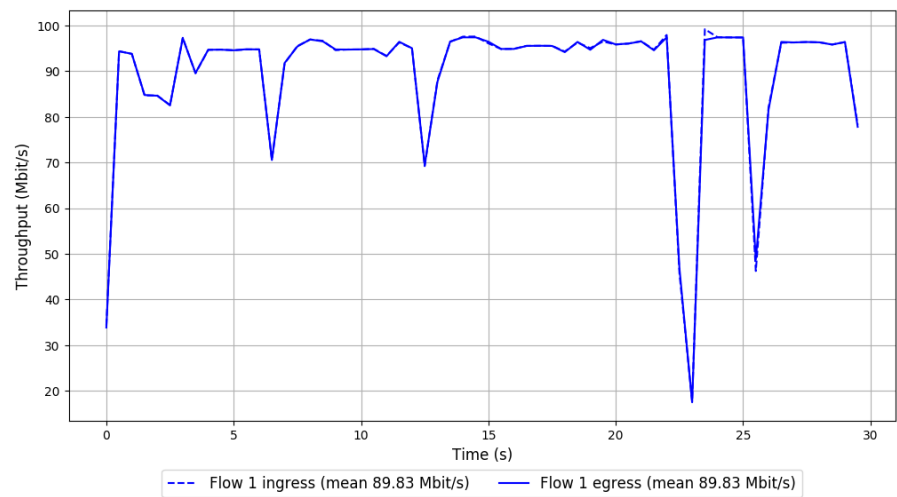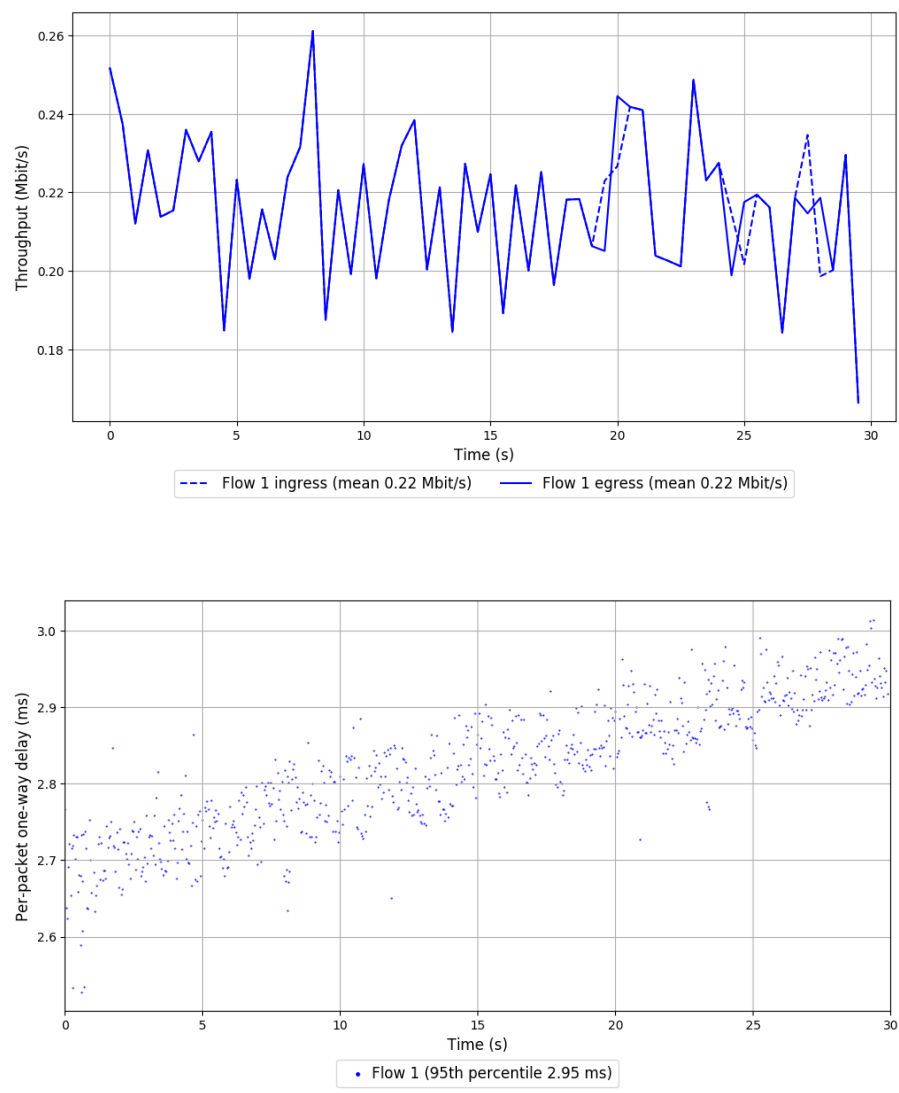
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 59.48 Mbit/s)   Flow 1 egress (mean 59.48 Mbit/s)

Flow 1 (95th percentile 3.08 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-08 21:14:59
End at: 2018-01-08 21:15:29
Local clock offset: 0.688 ms
Remote clock offset: 0.471 ms


# Below is generated by plot.py at 2018-01-09 00:48:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 8.744 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 8.744 ms
Loss rate: 0.03%
```

Run 9: Report of QUIC Cubic — Data Link
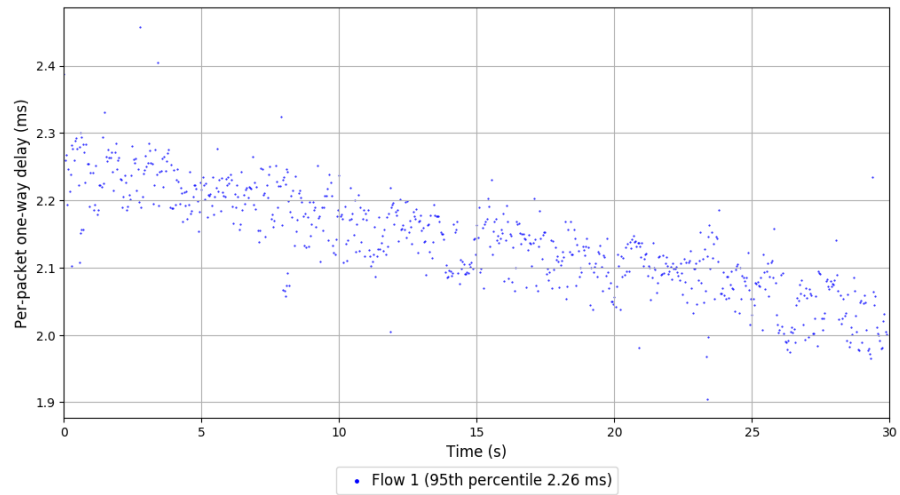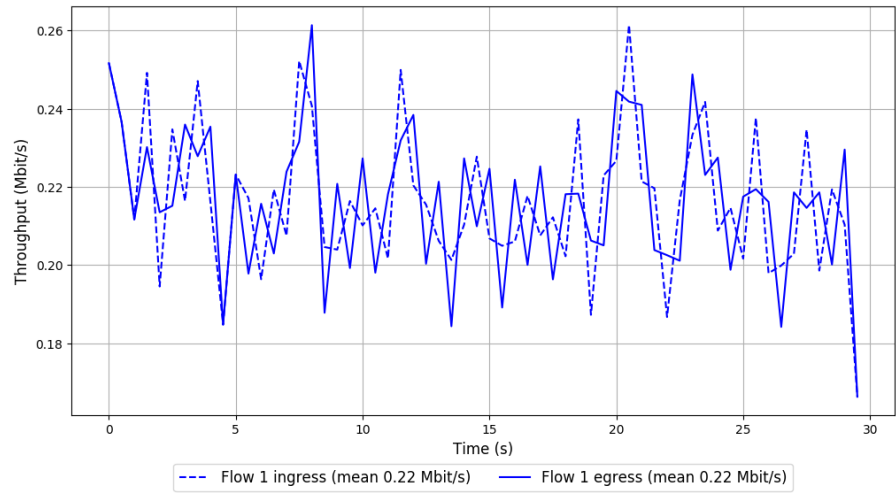
```
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-08 21:31:56
End at: 2018-01-08 21:32:26
Local clock offset: 0.934 ms
Remote clock offset: 0.366 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 13.539 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 13.539 ms
Loss rate: 0.02%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 89.83 Mbit/s)   Flow 1 egress (mean 89.83 Mbit/s)

Flow 1 (95th percentile 13.54 ms)

103

```
Run 1: Statistics of SCReAM

Start at: 2018-01-08 18:51:35
End at: 2018-01-08 18:52:05
Local clock offset: 8.16 ms
Remote clock offset: -0.222 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.950 ms
Loss rate: 0.00%
```
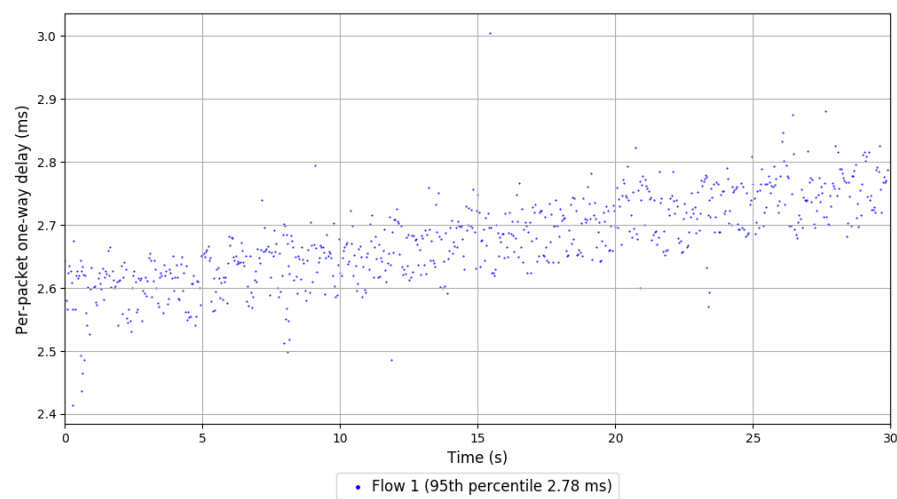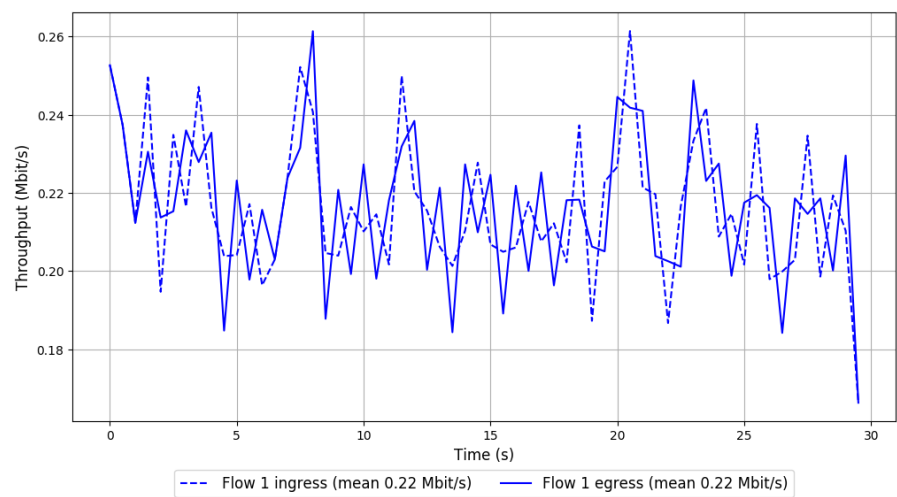
Run 1: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.95 ms)

```
Run 2: Statistics of SCReAM

Start at: 2018-01-08 19:08:31
End at: 2018-01-08 19:09:01
Local clock offset: 5.639 ms
Remote clock offset: -0.137 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.261 ms
Loss rate: 0.00%
```
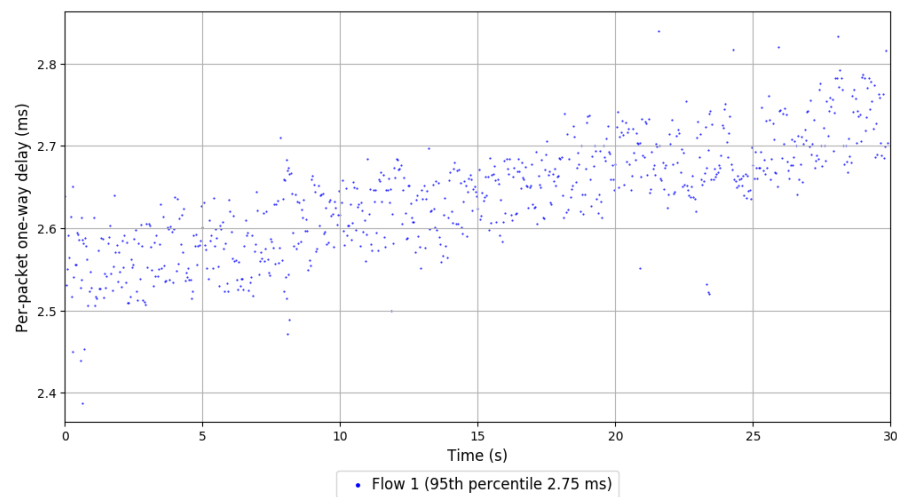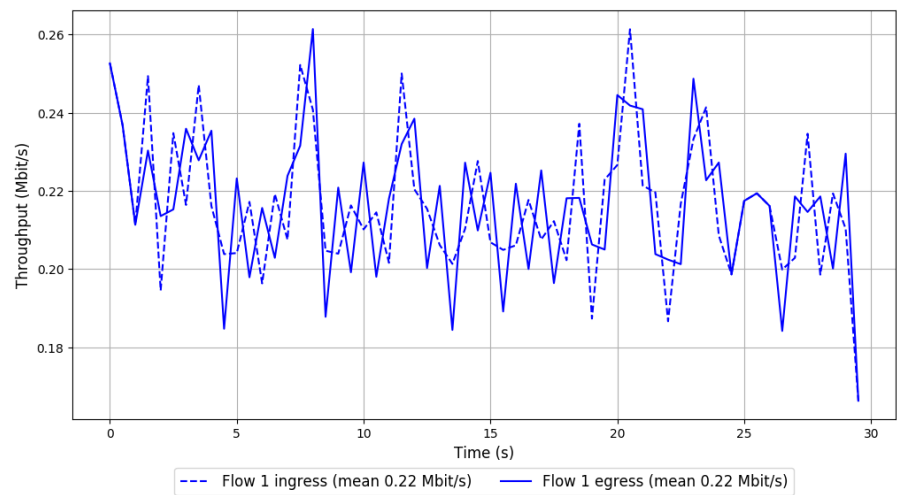
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2018-01-08 19:25:28
End at: 2018-01-08 19:25:59
Local clock offset: 8.309 ms
Remote clock offset: 0.016 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.778 ms
Loss rate: 0.00%
```
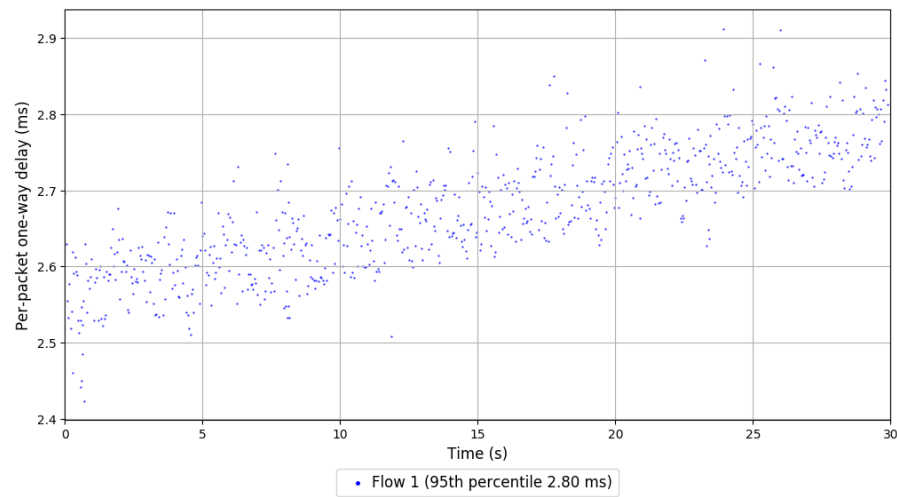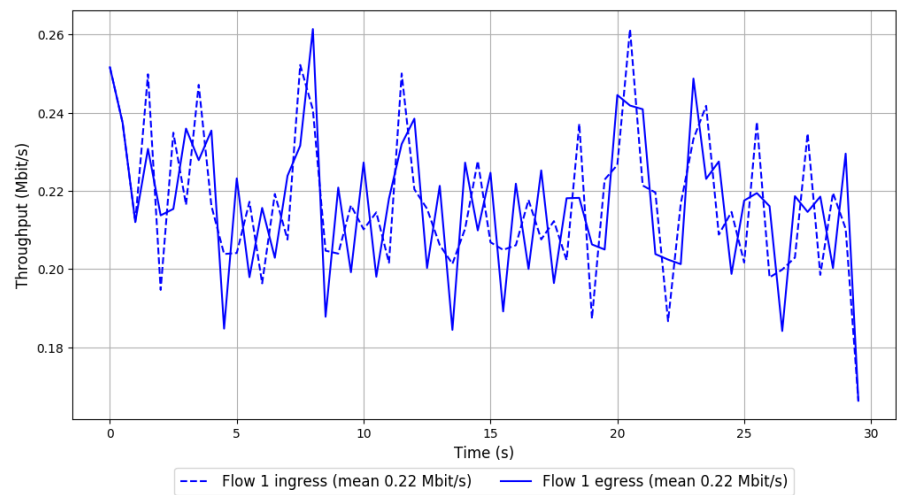
Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.78 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-01-08 19:42:26
End at: 2018-01-08 19:42:56
Local clock offset: 8.575 ms
Remote clock offset: 0.2 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.745 ms
Loss rate: 0.00%
```
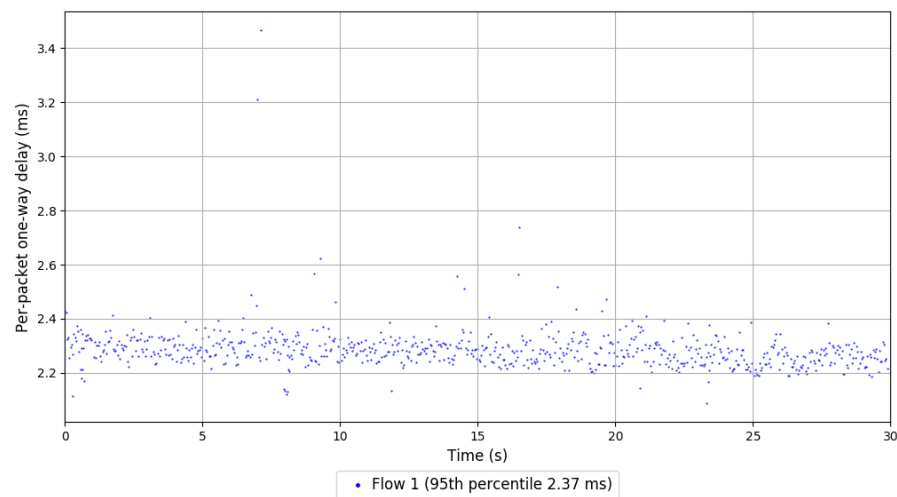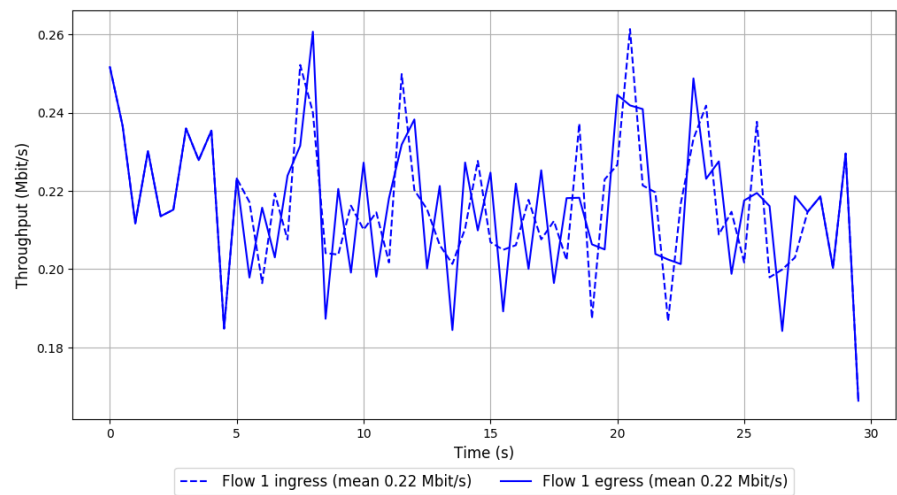
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2018-01-08 19:59:24
End at: 2018-01-08 19:59:54
Local clock offset: 0.514 ms
Remote clock offset: 0.292 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.801 ms
Loss rate: 0.00%
```
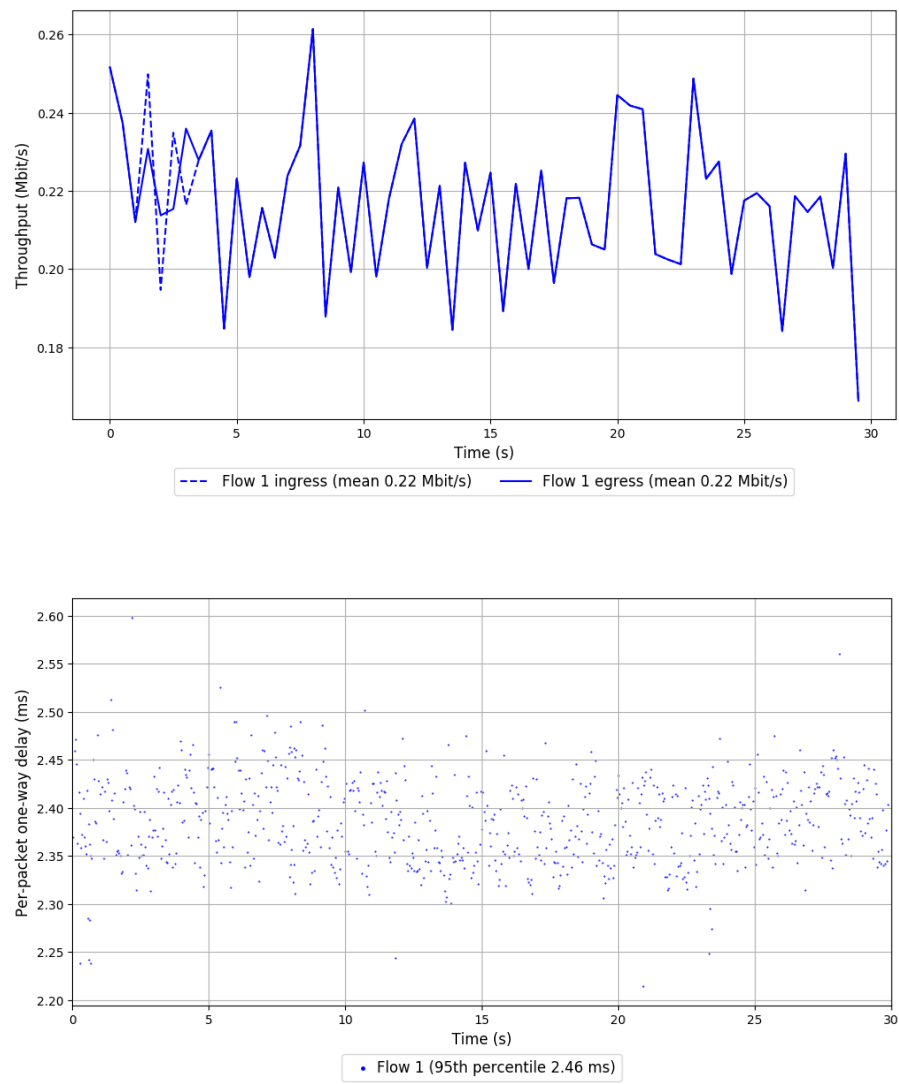
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2018-01-08 20:16:19
End at: 2018-01-08 20:16:49
Local clock offset: 0.059 ms
Remote clock offset: 0.512 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%
```
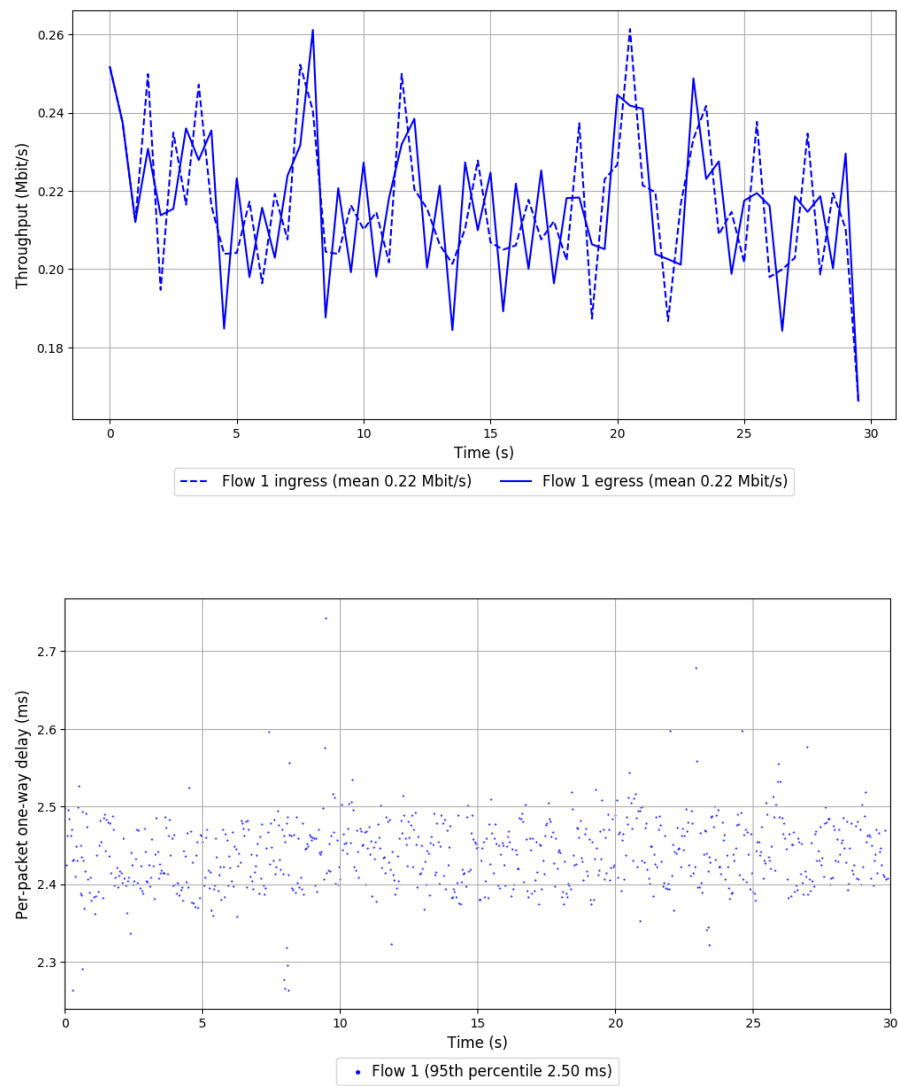
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-01-08 20:33:19
End at: 2018-01-08 20:33:49
Local clock offset: 0.584 ms
Remote clock offset: 0.55 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.00%
```
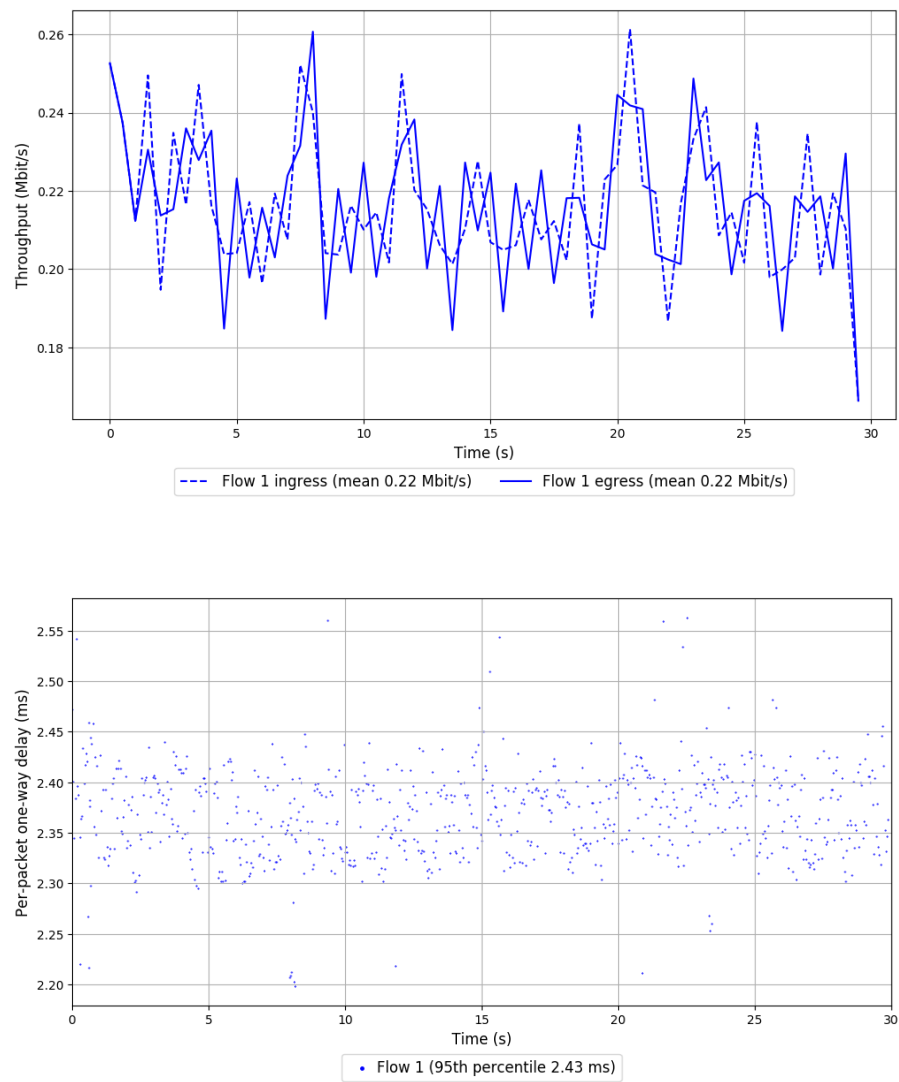
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2018-01-08 20:50:17
End at: 2018-01-08 20:50:47
Local clock offset: 0.728 ms
Remote clock offset: 0.456 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.00%
```
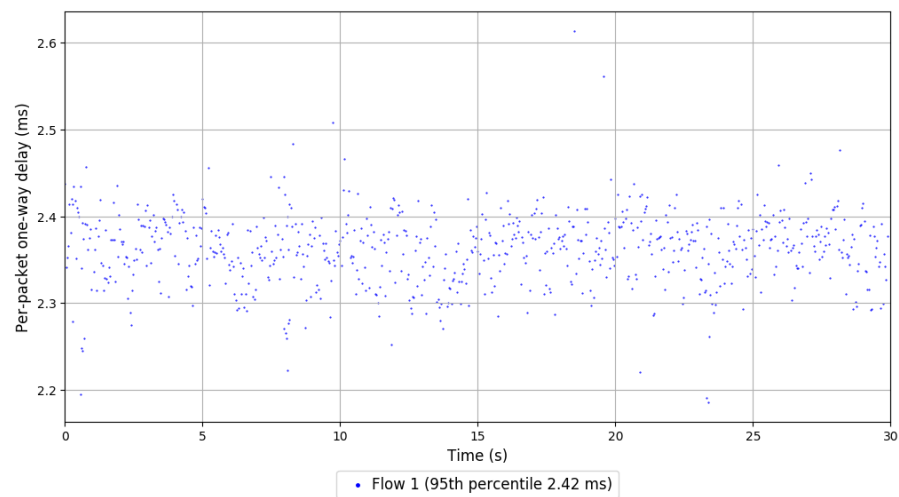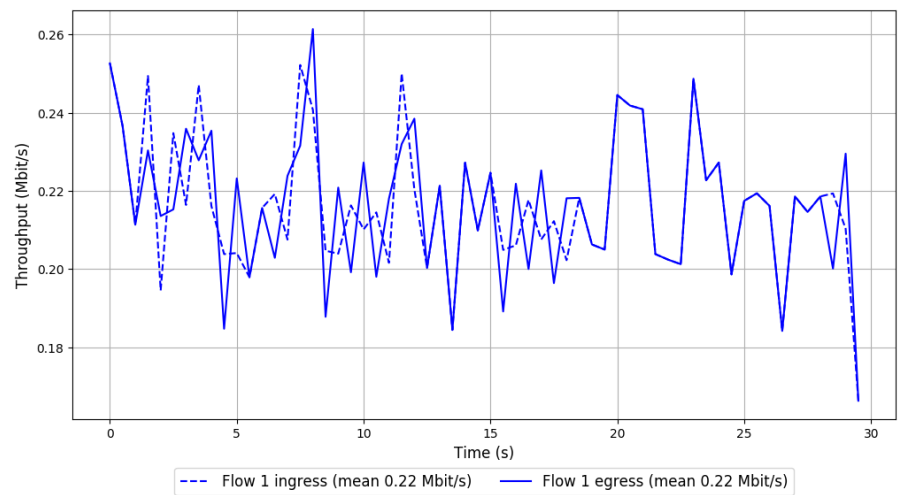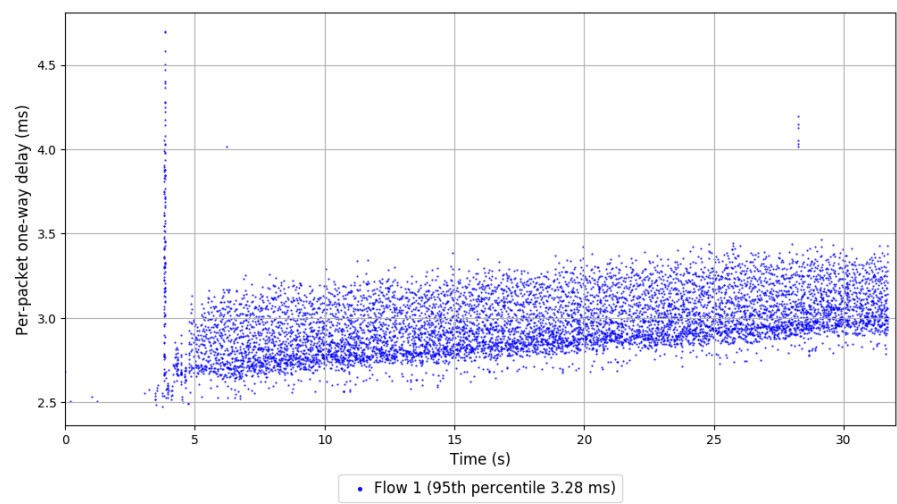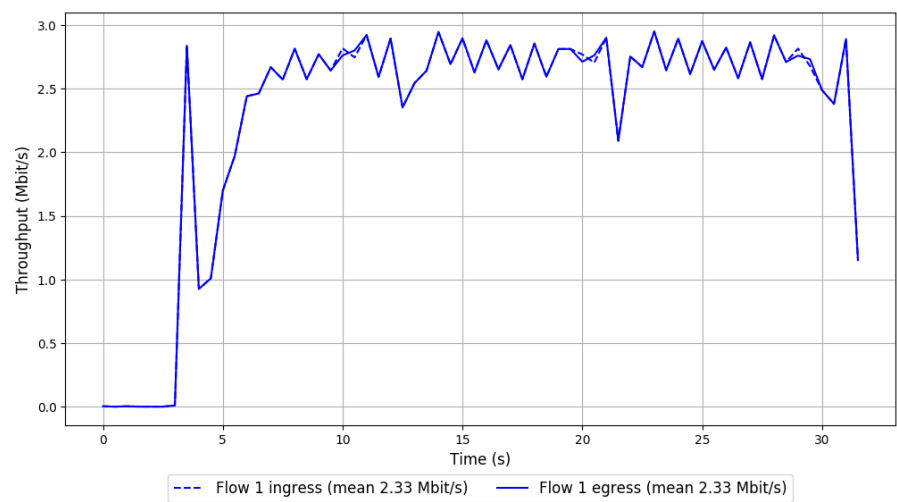
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.50 ms)

```
Run 9: Statistics of SCReAM

Start at: 2018-01-08 21:07:13
End at: 2018-01-08 21:07:43
Local clock offset: 0.711 ms
Remote clock offset: 0.476 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%
```

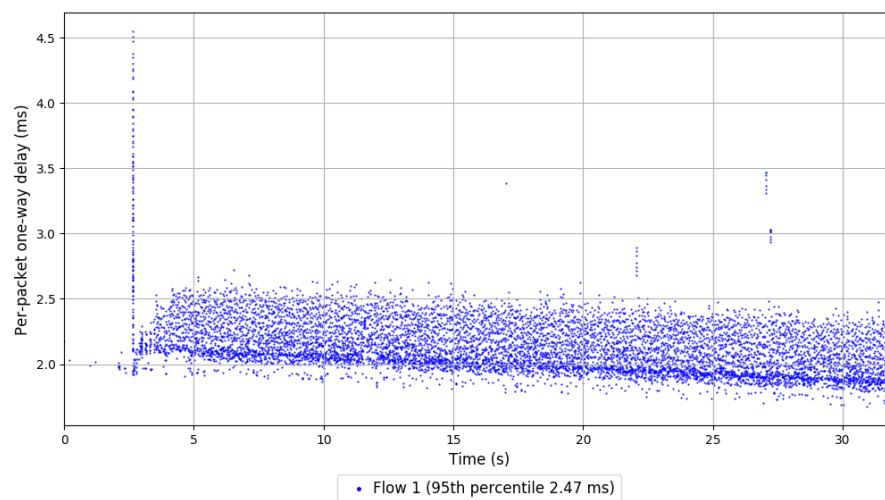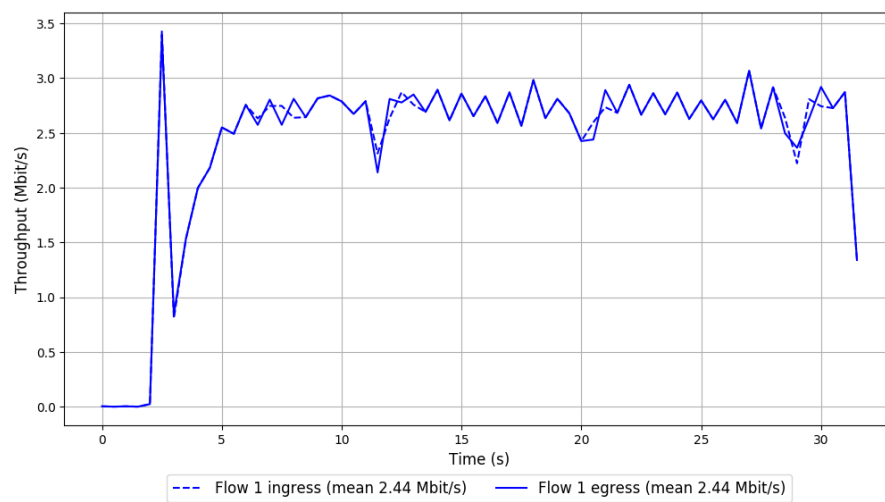# Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.43 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-01-08 21:24:09
End at: 2018-01-08 21:24:39
Local clock offset: 0.807 ms
Remote clock offset: 0.436 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.420 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2018-01-08 18:56:02
End at: 2018-01-08 18:56:32
Local clock offset: 7.235 ms
Remote clock offset: -0.181 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 3.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 3.279 ms
Loss rate: 0.00%
```
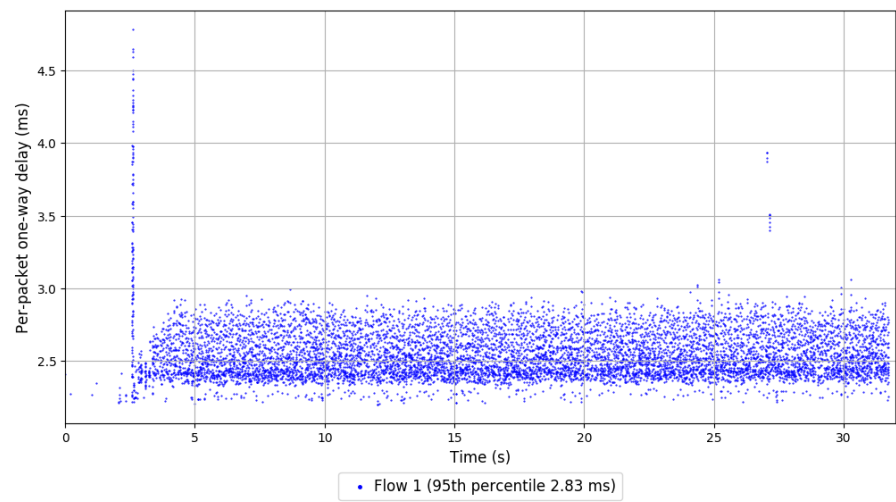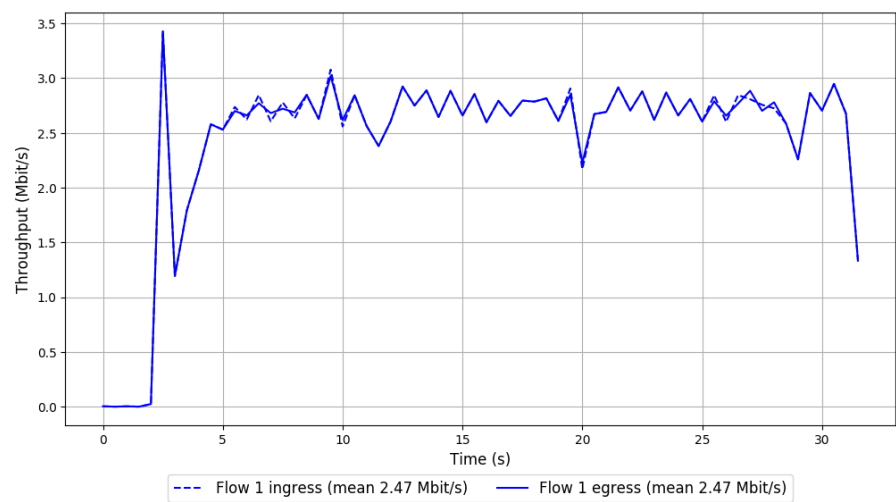
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-01-08 19:12:58
End at: 2018-01-08 19:13:28
Local clock offset: 7.702 ms
Remote clock offset: -0.107 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.469 ms
Loss rate: 0.00%
```
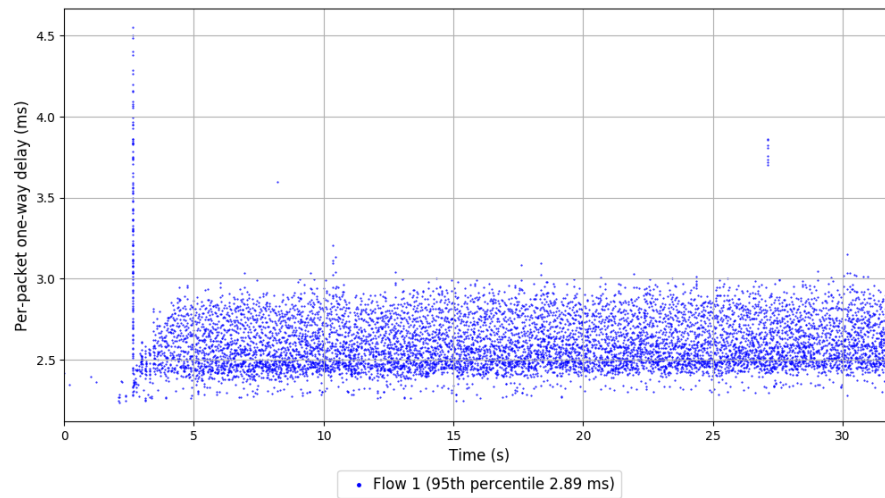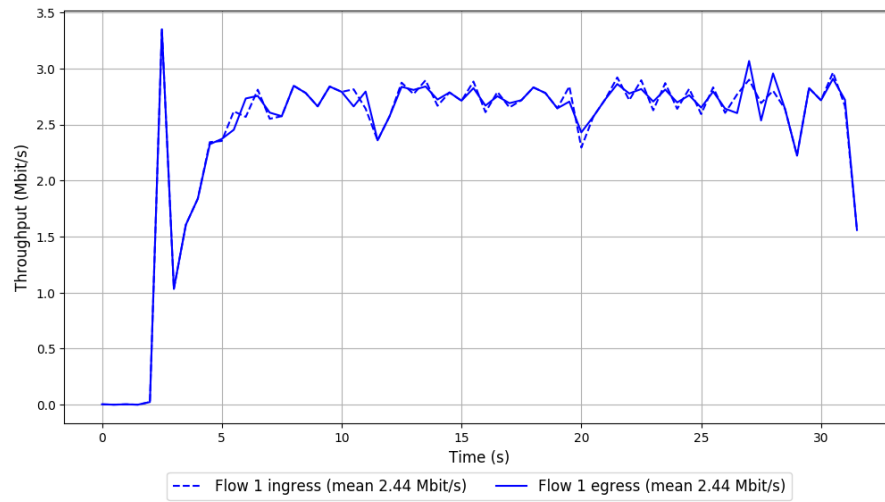
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-01-08 19:29:55
End at: 2018-01-08 19:30:25
Local clock offset: 7.248 ms
Remote clock offset: 0.051 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 2.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 2.829 ms
Loss rate: 0.00%
```
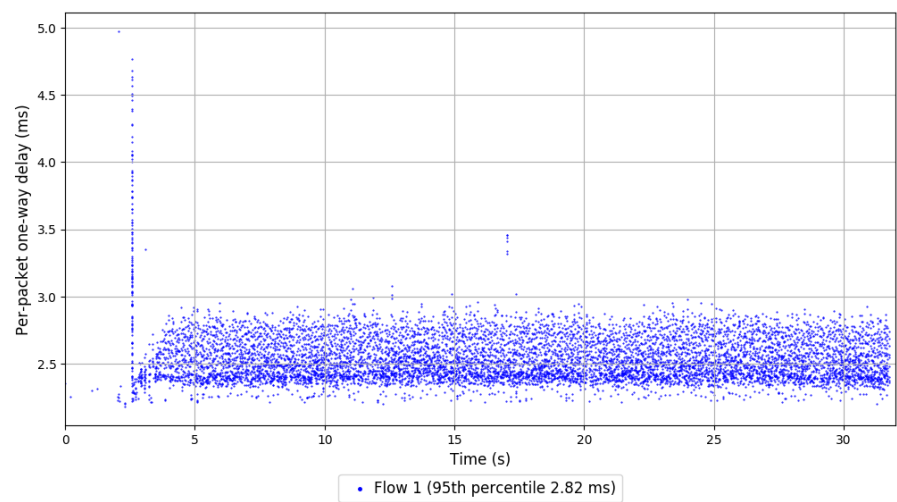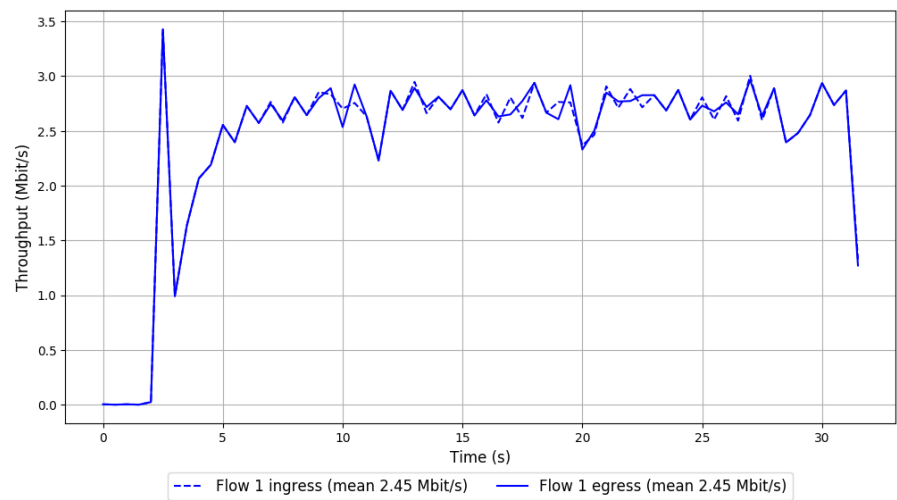
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-01-08 19:46:53
End at: 2018-01-08 19:47:23
Local clock offset: 7.394 ms
Remote clock offset: 0.172 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.886 ms
Loss rate: 0.00%
```
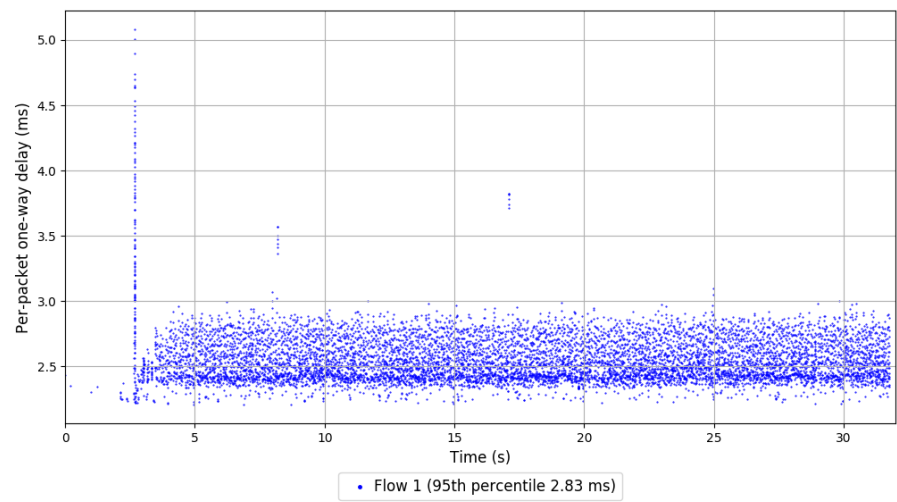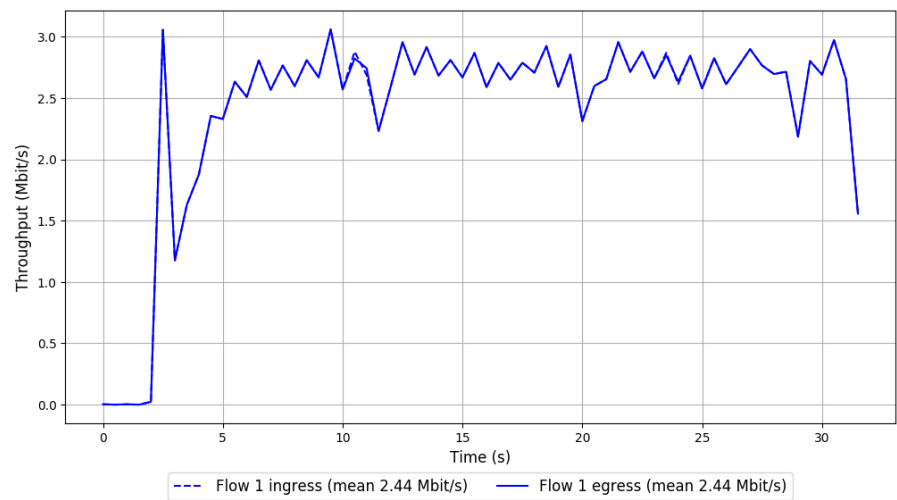
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2018-01-08 20:03:51
End at: 2018-01-08 20:04:21
Local clock offset: -0.901 ms
Remote clock offset: 0.387 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.817 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.817 ms
Loss rate: 0.04%
```
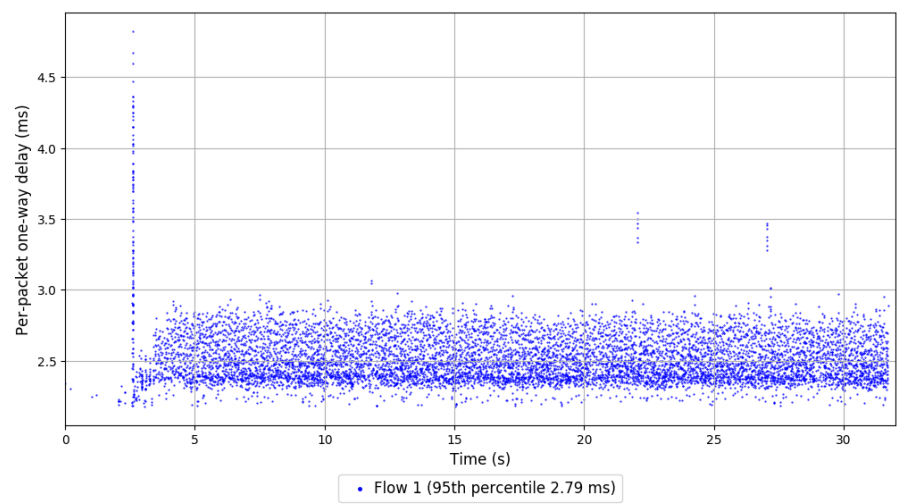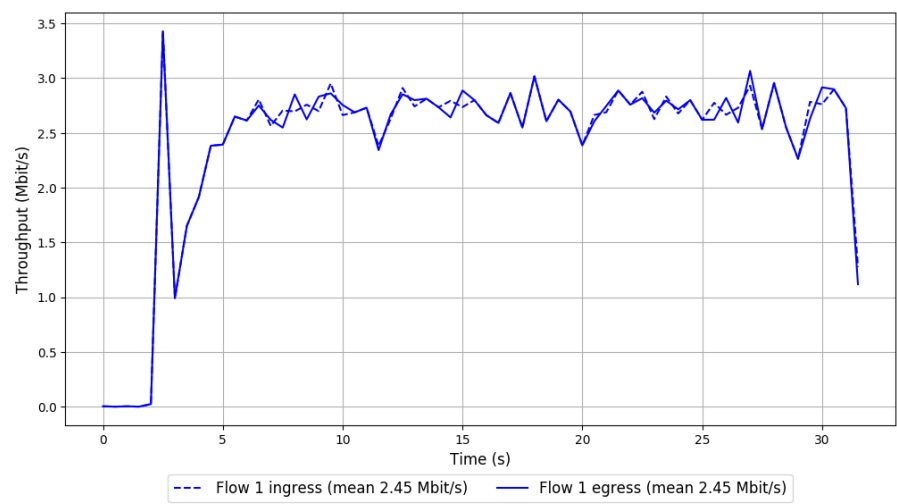
Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.45 Mbit/s)   Flow 1 egress (mean 2.45 Mbit/s)

Flow 1 (95th percentile 2.82 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-01-08 20:20:47
End at: 2018-01-08 20:21:17
Local clock offset: 0.437 ms
Remote clock offset: 0.505 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.828 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.828 ms
Loss rate: 0.00%
```
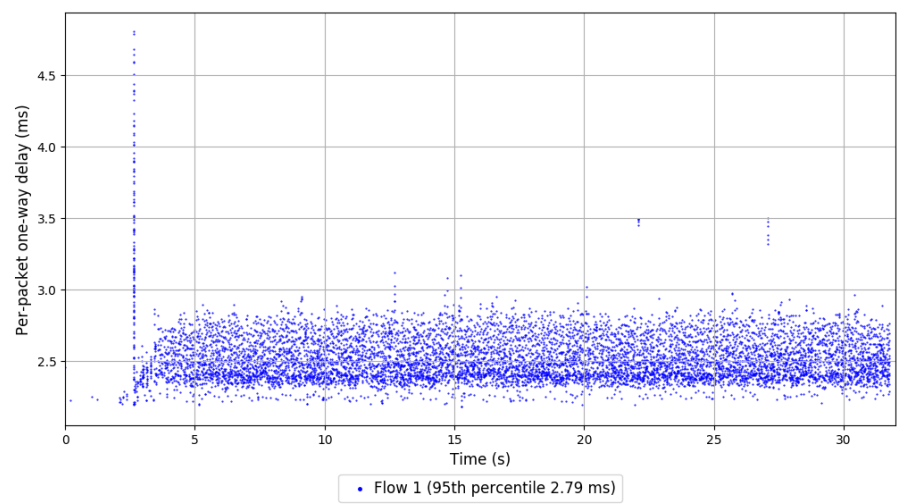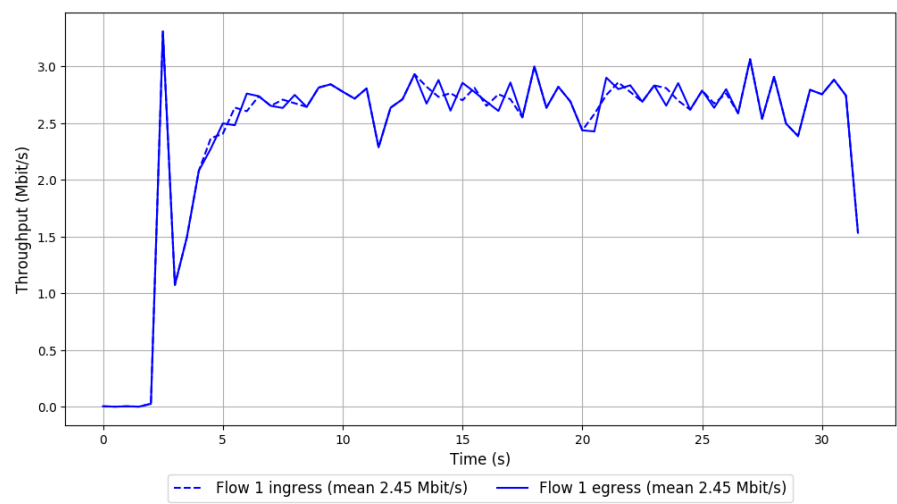
Run 6: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.44 Mbit/s)   Flow 1 egress (mean 2.44 Mbit/s)

Flow 1 (95th percentile 2.83 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2018-01-08 20:37:47
End at: 2018-01-08 20:38:17
Local clock offset: 0.639 ms
Remote clock offset: 0.543 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.795 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.795 ms
Loss rate: 0.10%
```
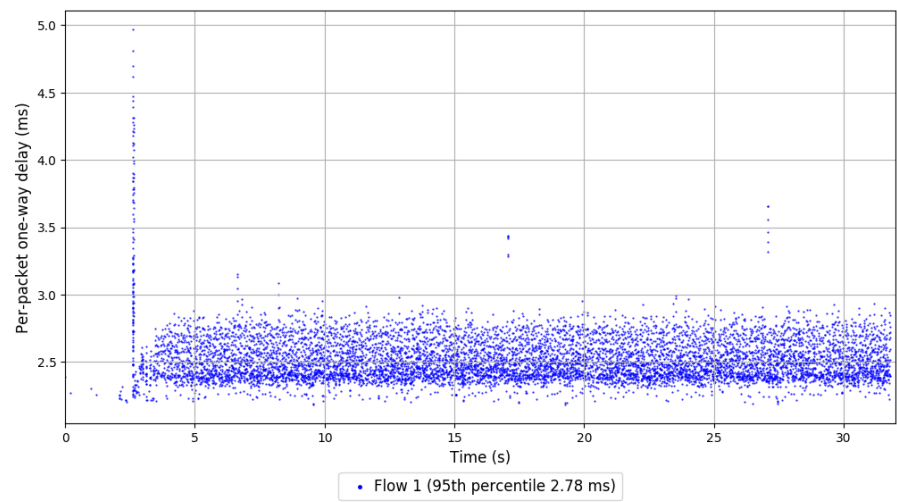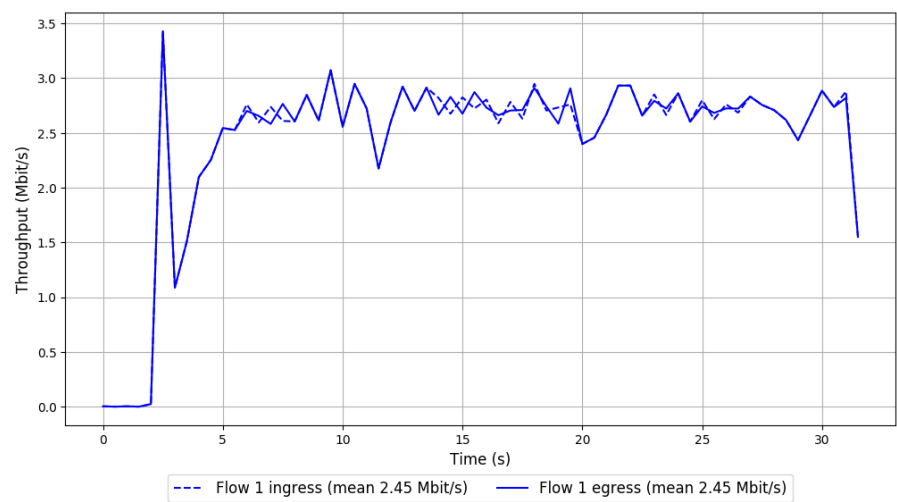
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-01-08 20:54:44
End at: 2018-01-08 20:55:14
Local clock offset: 0.668 ms
Remote clock offset: 0.516 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.789 ms
Loss rate: 0.00%
```
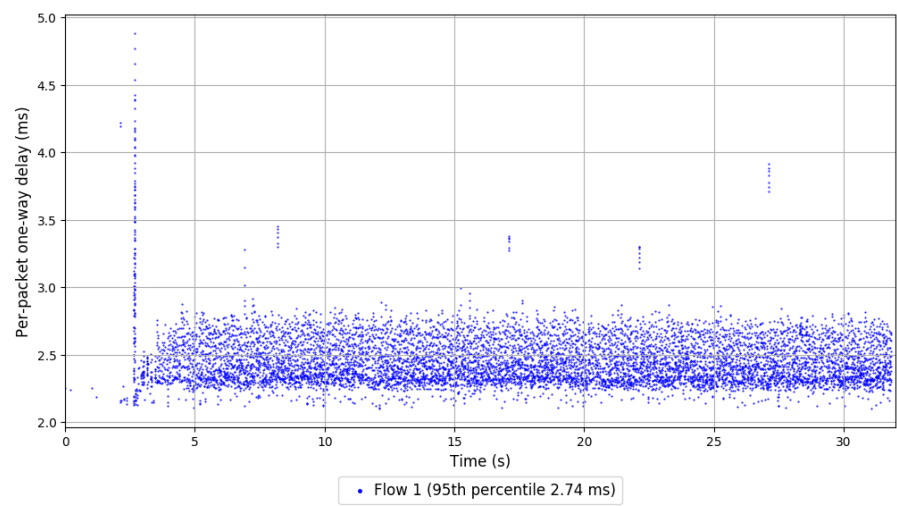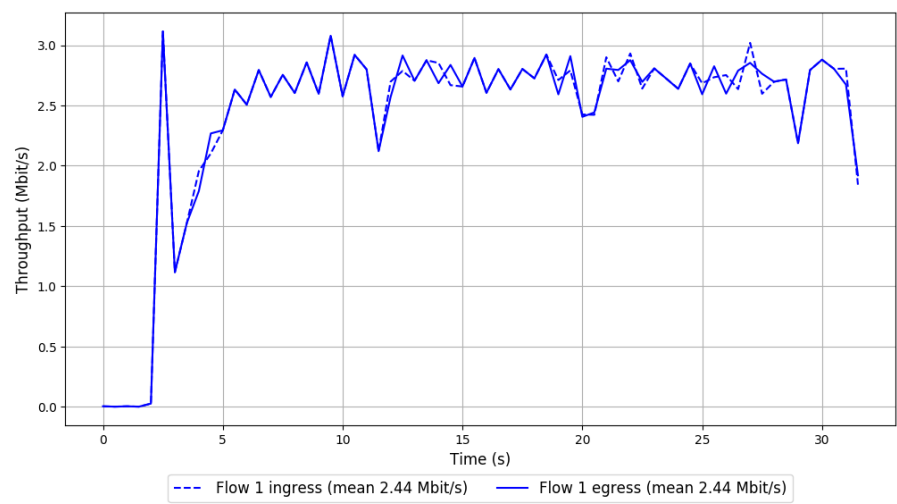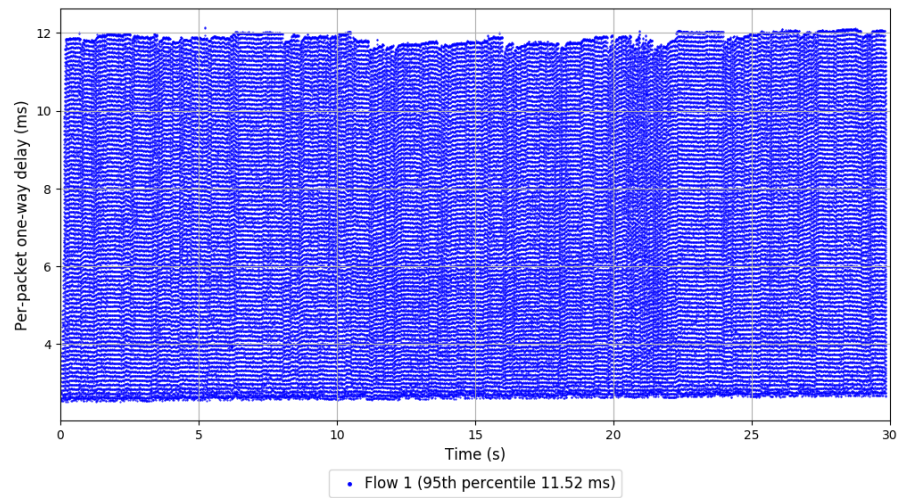
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.45 Mbit/s) --- Flow 1 egress (mean 2.45 Mbit/s)

Flow 1 (95th percentile 2.79 ms)

```
Run 9: Statistics of WebRTC media

Start at: 2018-01-08 21:11:39
End at: 2018-01-08 21:12:09
Local clock offset: 0.724 ms
Remote clock offset: 0.474 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.782 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 2.782 ms
Loss rate: 0.04%
```

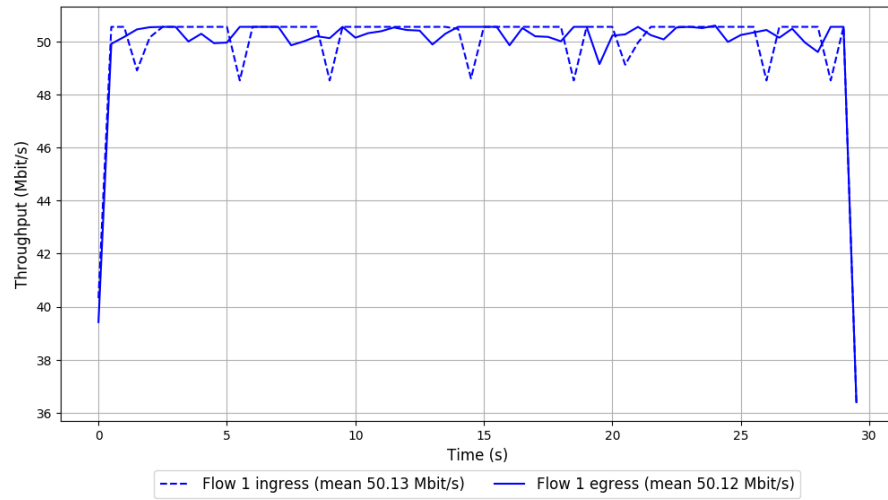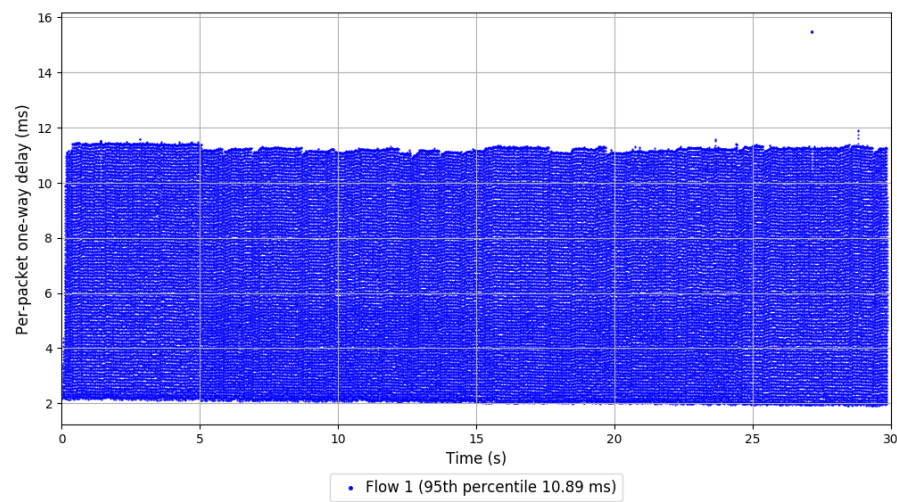Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-01-08 21:28:37
End at: 2018-01-08 21:29:07
Local clock offset: 0.811 ms
Remote clock offset: 0.37 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.740 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 2.740 ms
Loss rate: 0.04%
```

Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.44 Mbit/s) --- Flow 1 egress (mean 2.44 Mbit/s)

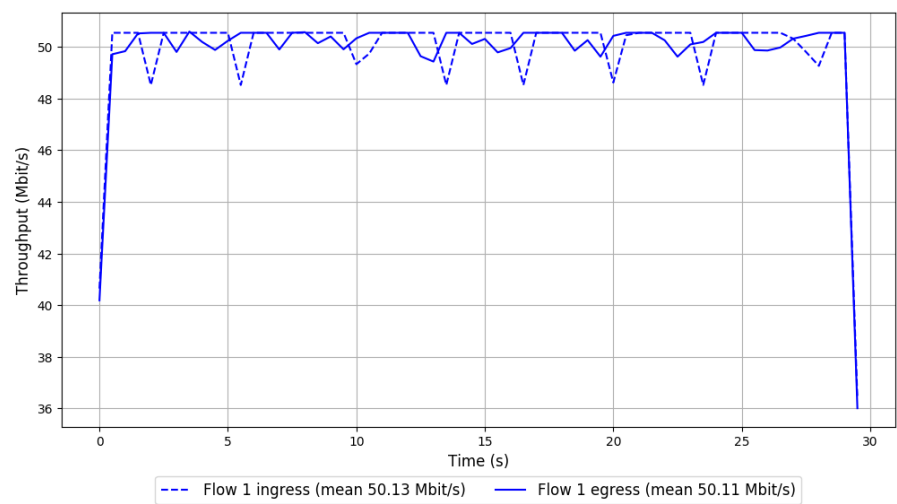

Flow 1 (95th percentile 2.74 ms)

```
Run 1: Statistics of Sprout

Start at: 2018-01-08 18:52:39
End at: 2018-01-08 18:53:09
Local clock offset: 7.535 ms
Remote clock offset: -0.151 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 11.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 11.519 ms
Loss rate: 0.00%
```
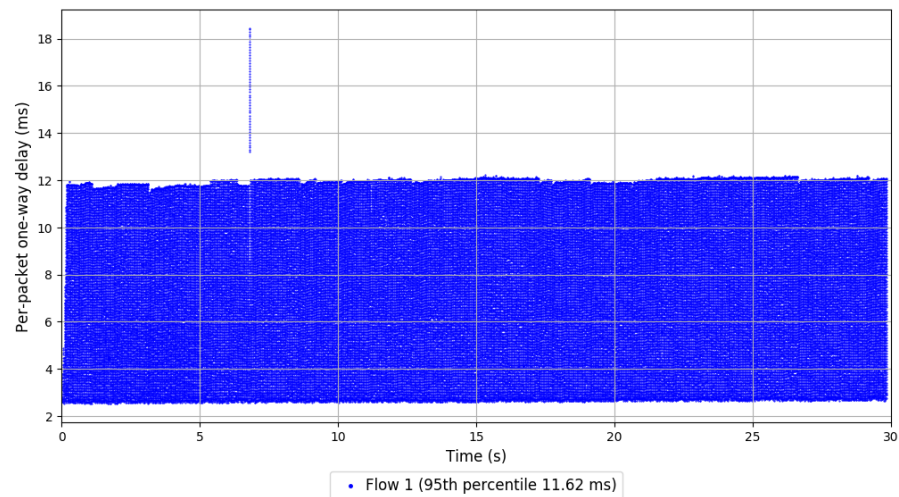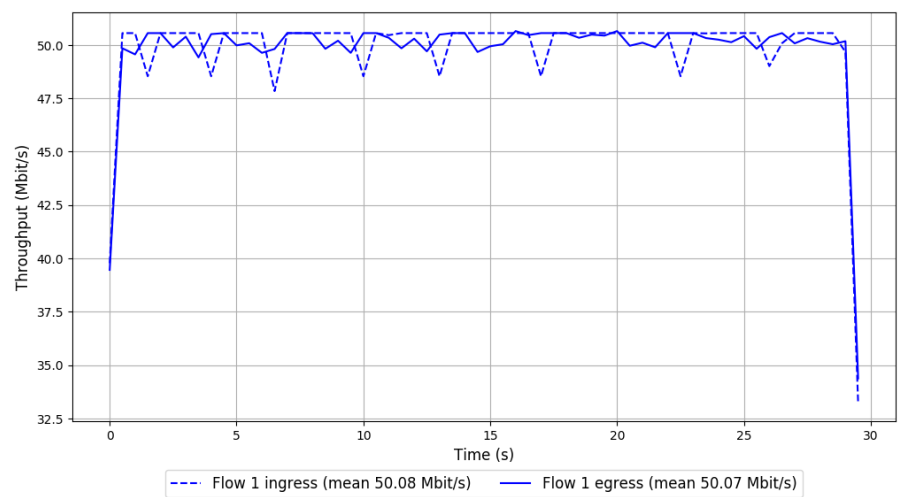
Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 50.13 Mbit/s) --- Flow 1 egress (mean 50.12 Mbit/s)

Flow 1 (95th percentile 11.52 ms)

```
Run 2: Statistics of Sprout

Start at: 2018-01-08 19:09:35
End at: 2018-01-08 19:10:05
Local clock offset: 6.031 ms
Remote clock offset: -0.128 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 10.889 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 10.889 ms
Loss rate: 0.01%
```
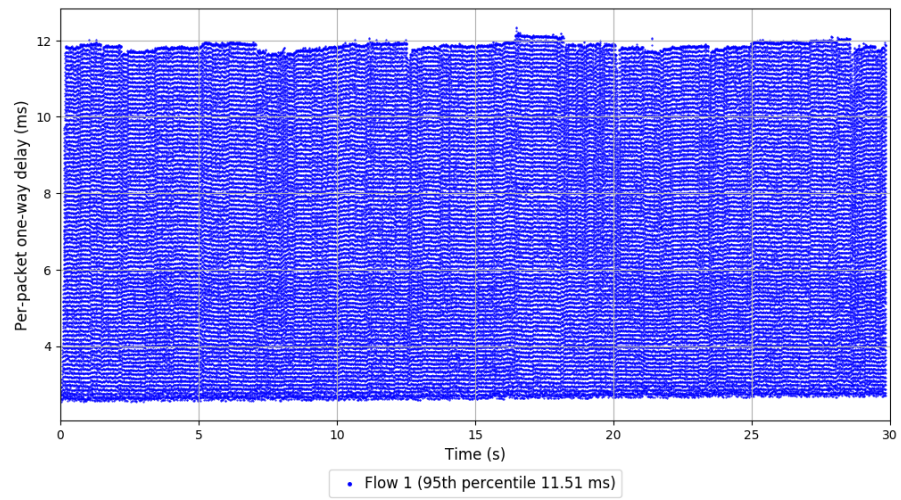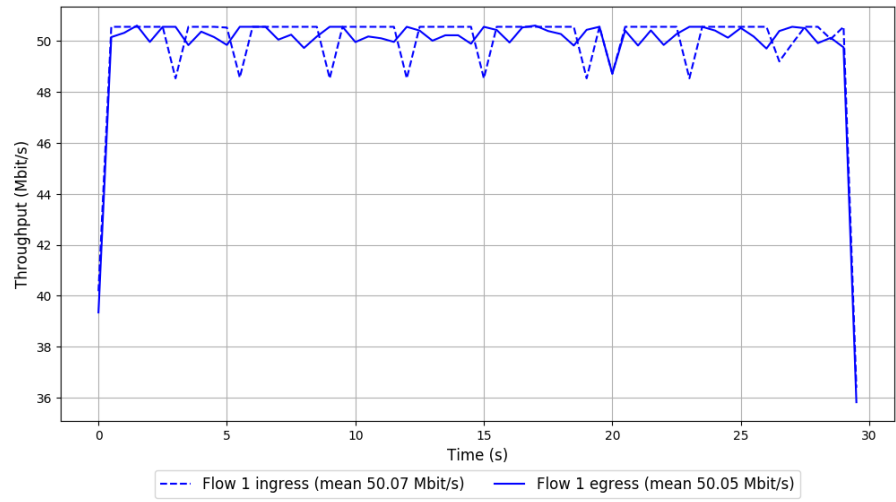
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 50.13 Mbit/s)   Flow 1 egress (mean 50.11 Mbit/s)

Flow 1 (95th percentile 10.89 ms)

```
Run 3: Statistics of Sprout

Start at: 2018-01-08 19:26:32
End at: 2018-01-08 19:27:02
Local clock offset: 7.932 ms
Remote clock offset: 0.042 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 11.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 11.623 ms
Loss rate: 0.00%
```
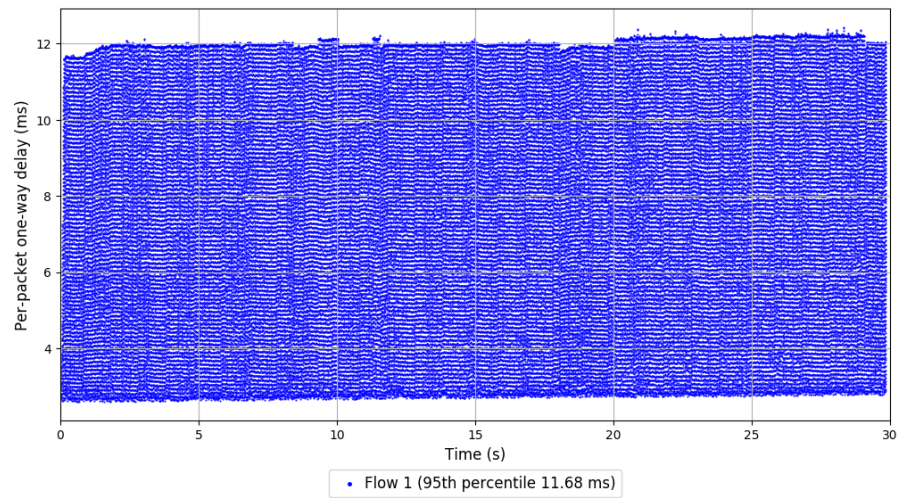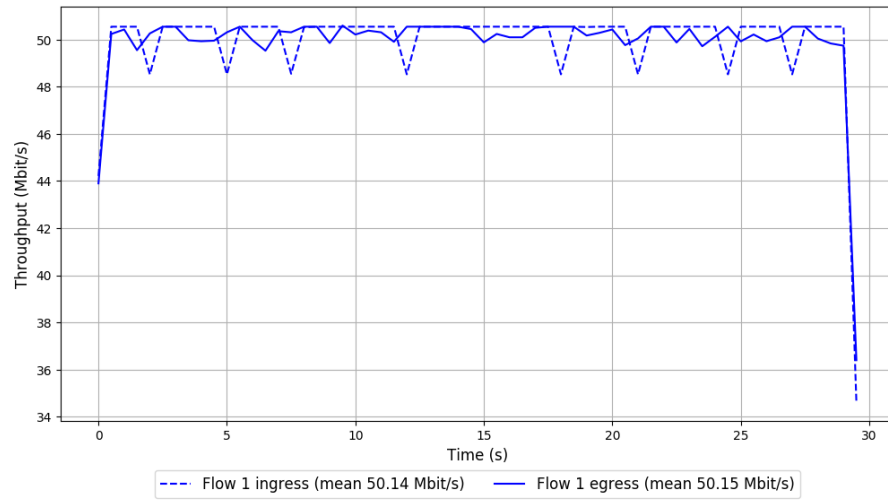
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 50.08 Mbit/s) Flow 1 egress (mean 50.07 Mbit/s)

Flow 1 (95th percentile 11.62 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-01-08 19:43:29
End at: 2018-01-08 19:43:59
Local clock offset: 8.146 ms
Remote clock offset: 0.127 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 11.513 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 11.513 ms
Loss rate: 0.07%
```
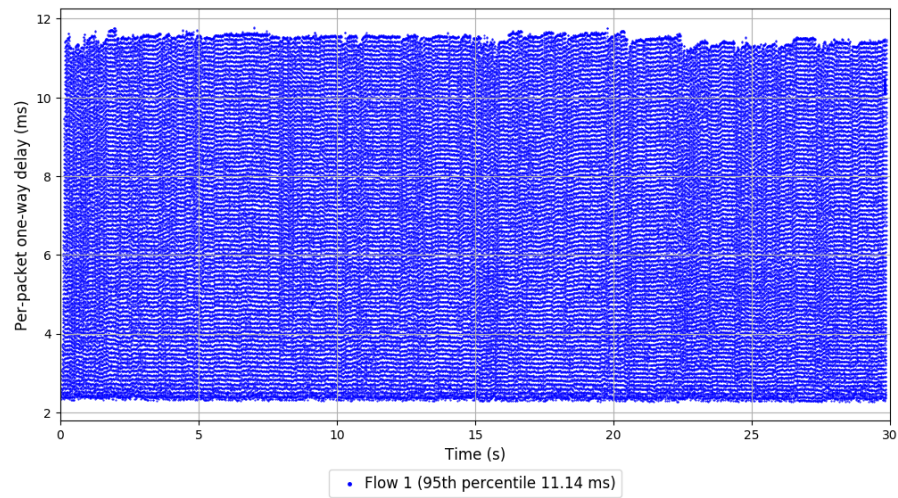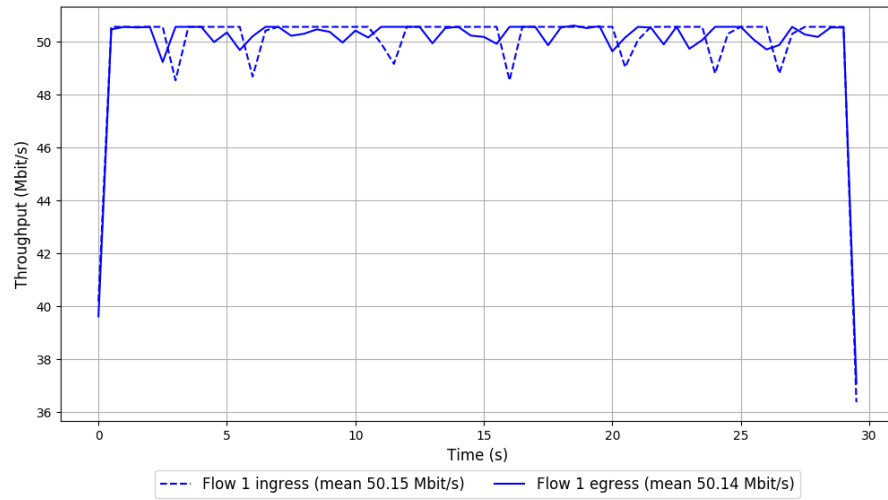
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2018-01-08 20:00:28
End at: 2018-01-08 20:00:58
Local clock offset: 0.154 ms
Remote clock offset: 0.32 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 11.680 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 11.680 ms
Loss rate: 0.01%
```
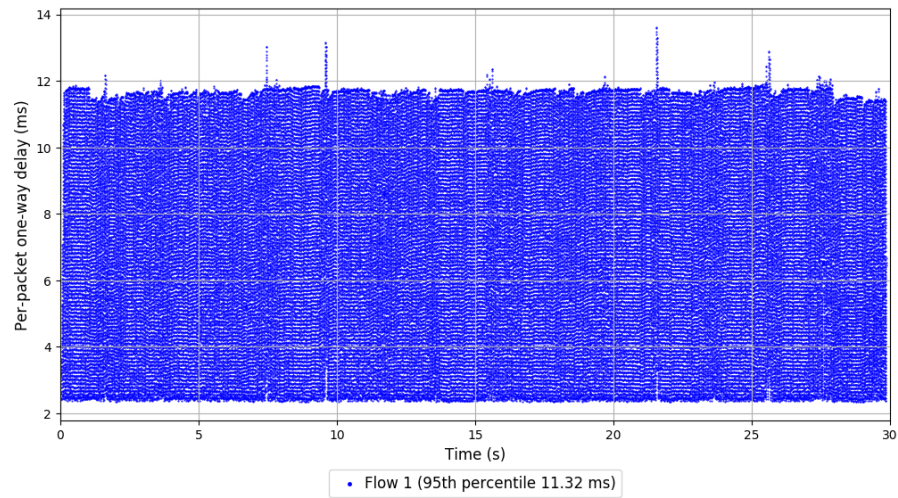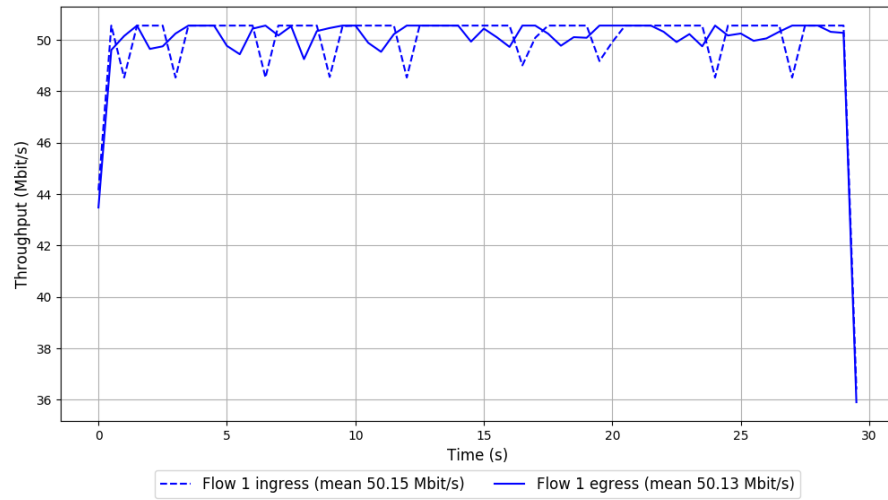
Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 50.14 Mbit/s)   Flow 1 egress (mean 50.15 Mbit/s)

• Flow 1 (95th percentile 11.68 ms)

```
Run 6: Statistics of Sprout

Start at: 2018-01-08 20:17:23
End at: 2018-01-08 20:17:53
Local clock offset: 0.191 ms
Remote clock offset: 0.52 ms


# Below is generated by plot.py at 2018-01-09 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 11.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 11.145 ms
Loss rate: 0.00%
```
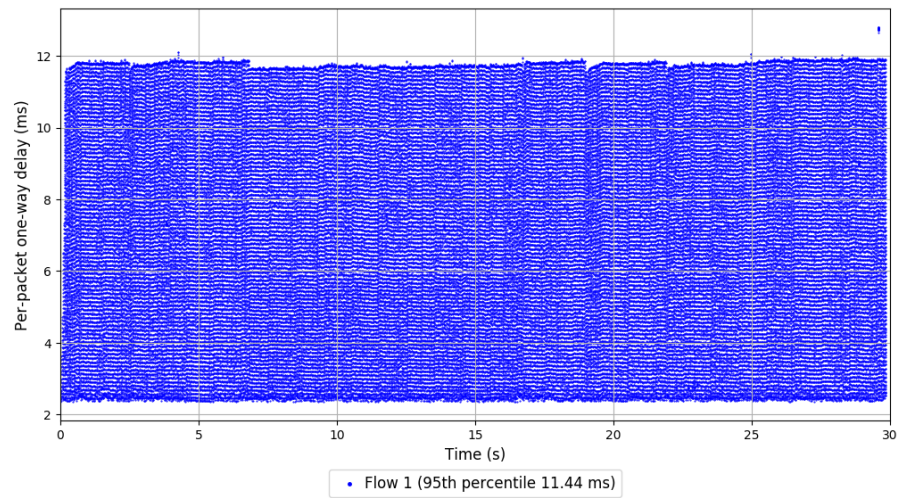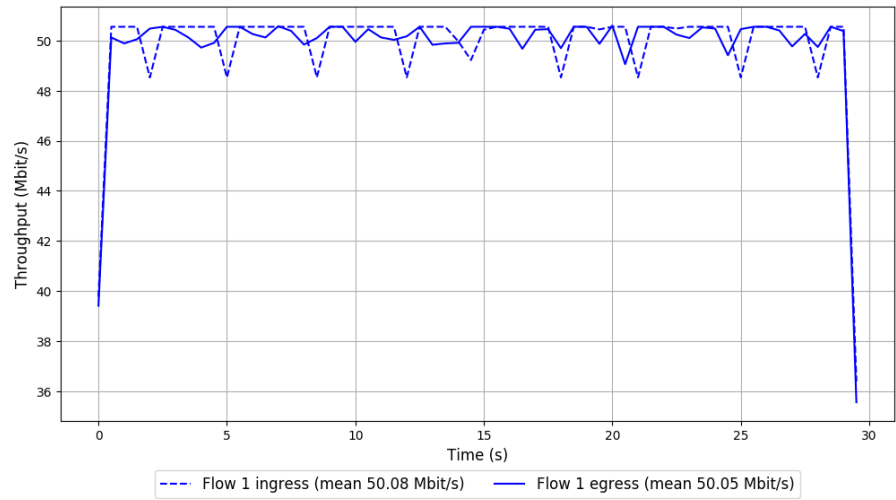
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 50.15 Mbit/s)   Flow 1 egress (mean 50.14 Mbit/s)

• Flow 1 (95th percentile 11.14 ms)

```
Run 7: Statistics of Sprout

Start at: 2018-01-08 20:34:23
End at: 2018-01-08 20:34:53
Local clock offset: 0.586 ms
Remote clock offset: 0.548 ms


# Below is generated by plot.py at 2018-01-09 00:49:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 11.321 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 11.321 ms
Loss rate: 0.03%
```
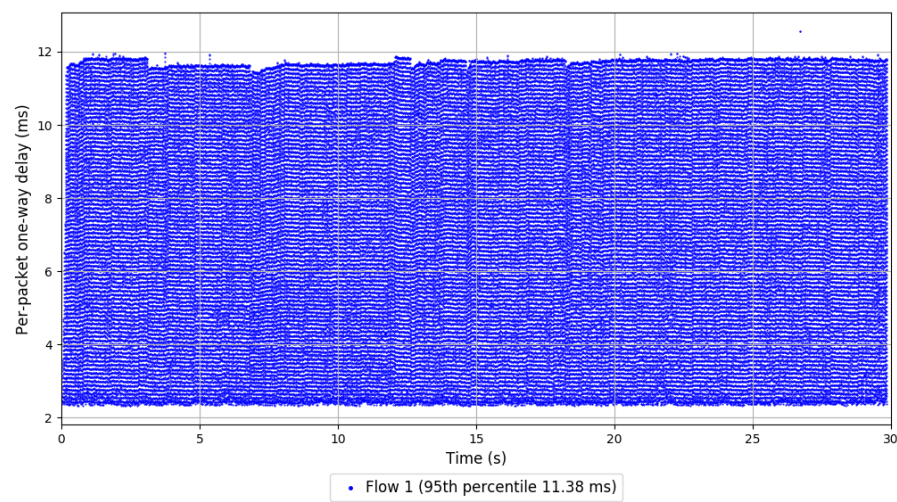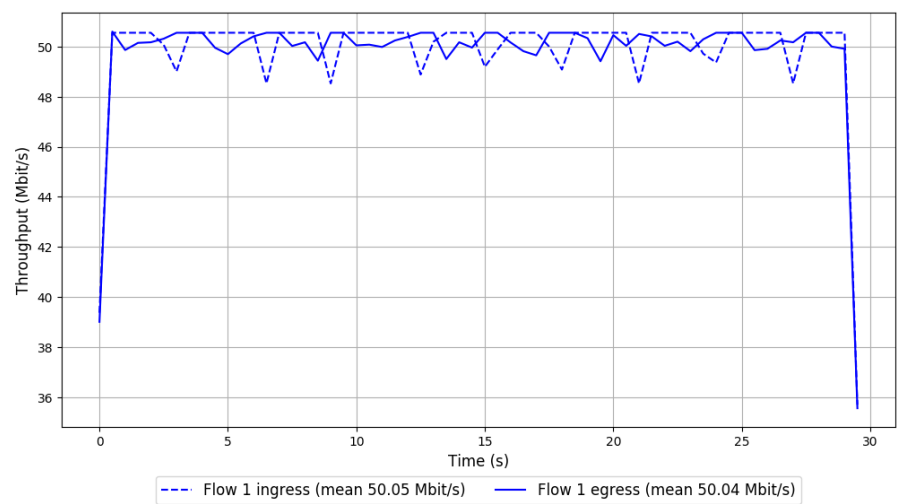
Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 50.15 Mbit/s) — Flow 1 egress (mean 50.13 Mbit/s)

Flow 1 (95th percentile 11.32 ms)

```
Run 8: Statistics of Sprout

Start at: 2018-01-08 20:51:20
End at: 2018-01-08 20:51:50
Local clock offset: 0.676 ms
Remote clock offset: 0.461 ms


# Below is generated by plot.py at 2018-01-09 00:50:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 11.436 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 11.436 ms
Loss rate: 0.03%
```
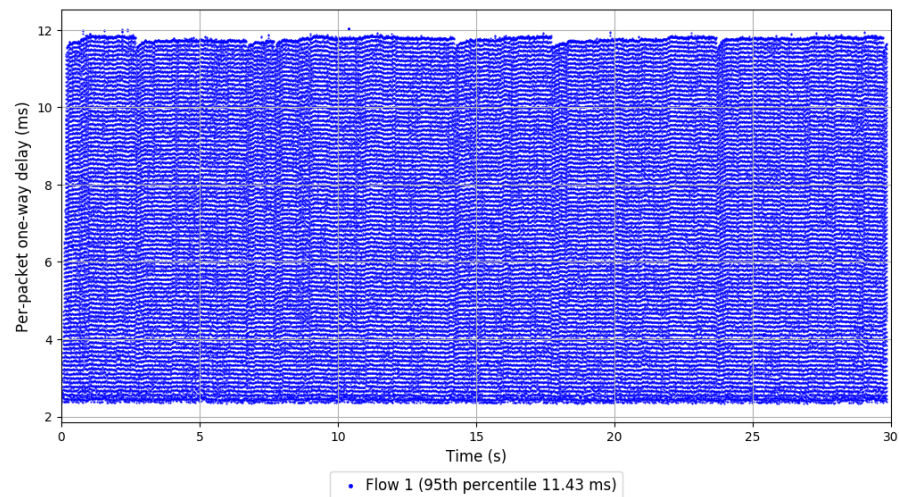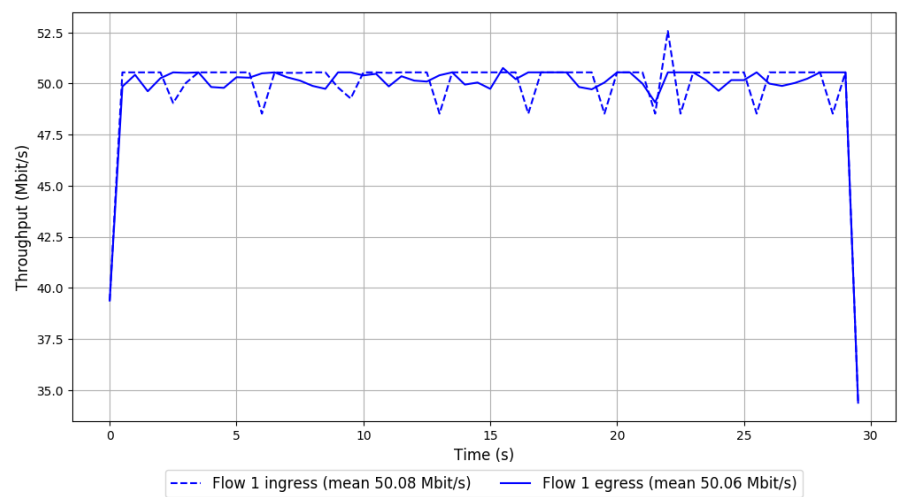
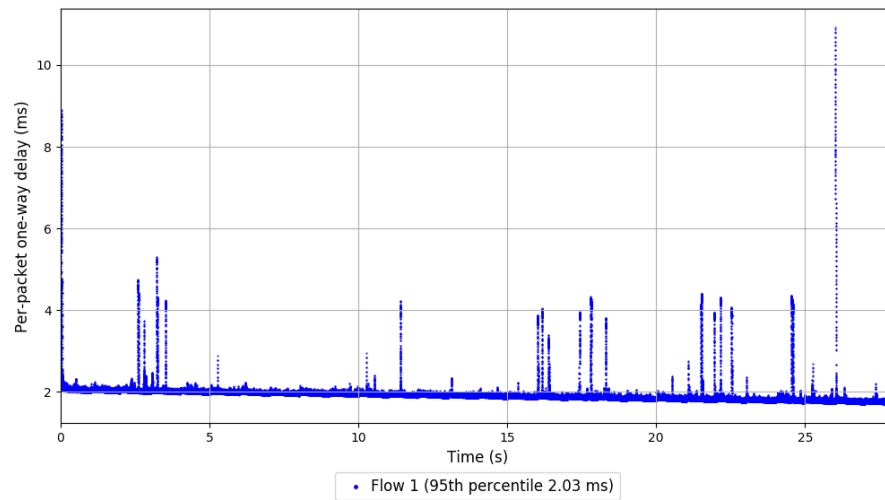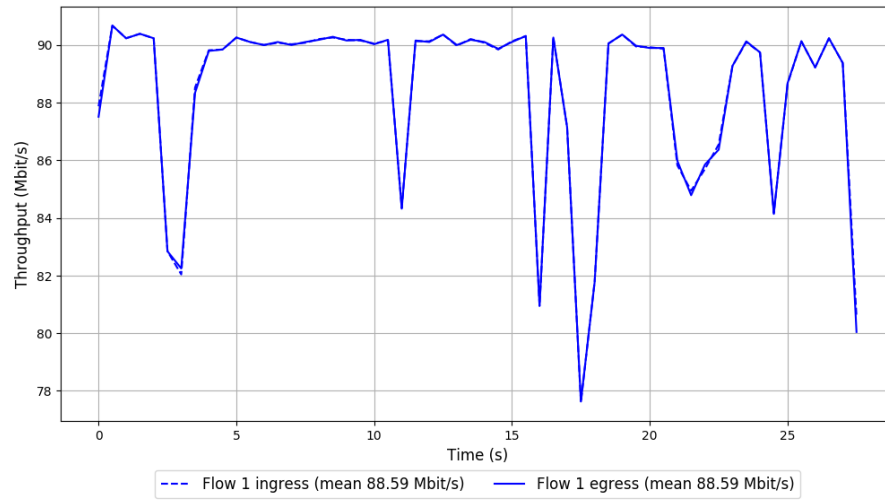Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 50.08 Mbit/s)   Flow 1 egress (mean 50.05 Mbit/s)

• Flow 1 (95th percentile 11.44 ms)

```
Run 9: Statistics of Sprout

Start at: 2018-01-08 21:08:16
End at: 2018-01-08 21:08:46
Local clock offset: 0.628 ms
Remote clock offset: 0.431 ms


# Below is generated by plot.py at 2018-01-09 00:50:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 11.382 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 11.382 ms
Loss rate: 0.04%
```

Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 50.05 Mbit/s) ----   Flow 1 egress (mean 50.04 Mbit/s) ——

• Flow 1 (95th percentile 11.38 ms)

```
Run 10: Statistics of Sprout

Start at: 2018-01-08 21:25:13
End at: 2018-01-08 21:25:43
Local clock offset: 0.834 ms
Remote clock offset: 0.416 ms


# Below is generated by plot.py at 2018-01-09 00:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 11.432 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 11.432 ms
Loss rate: 0.01%
```
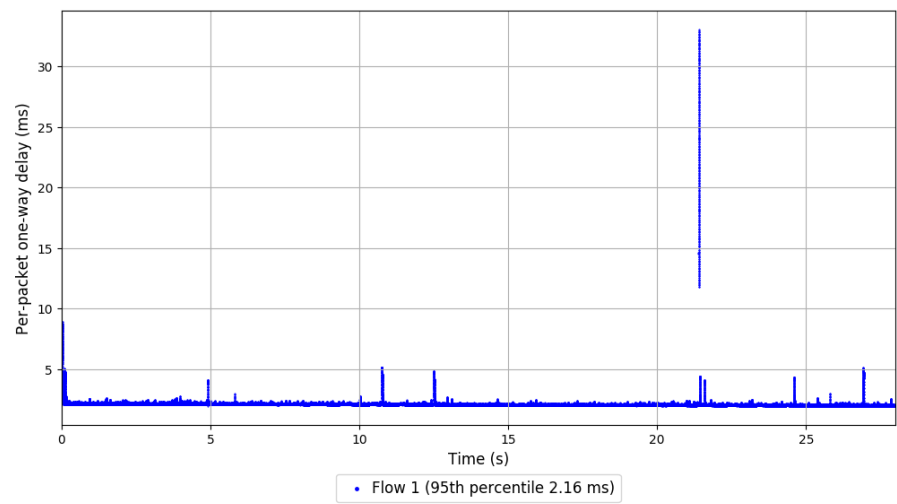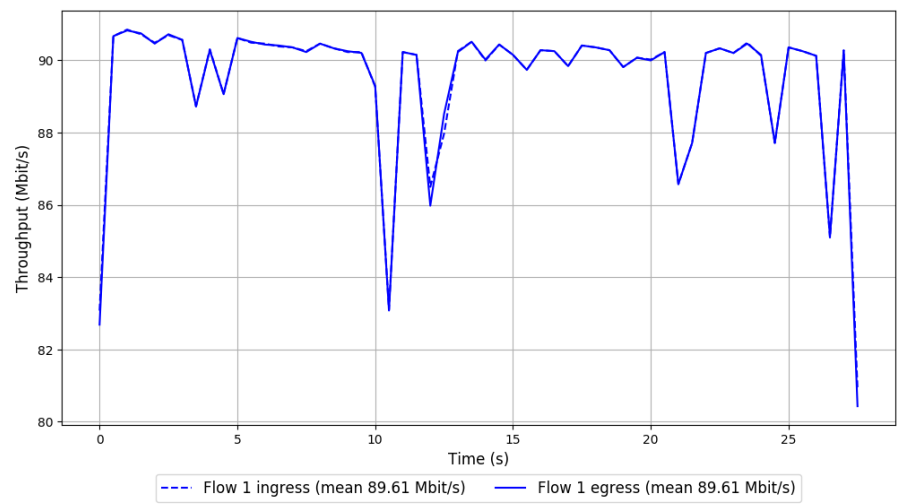
Run 10: Report of Sprout — Data Link

163

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

Start at: 2018-01-08 18:50:24
End at: 2018-01-08 18:50:54
Local clock offset: 7.475 ms
Remote clock offset: -0.139 ms


# Below is generated by plot.py at 2018-01-09 00:53:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 2.032 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 2.032 ms
Loss rate: 0.02%
```
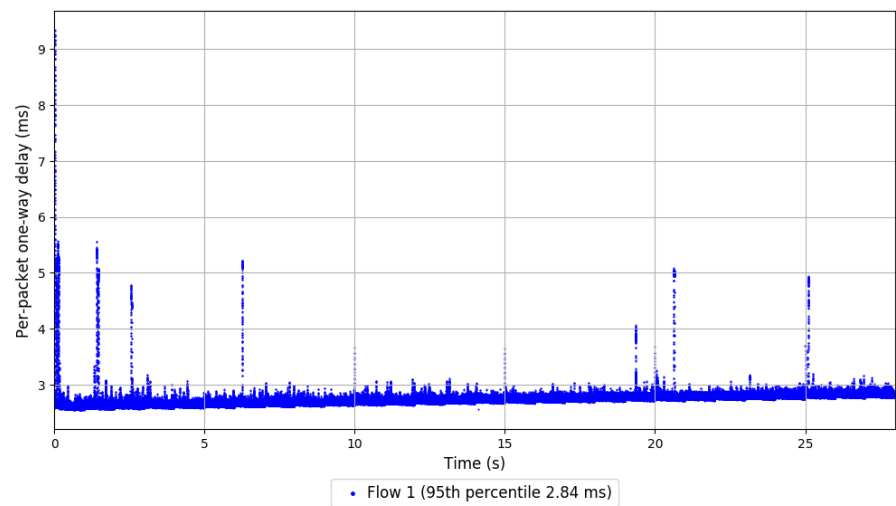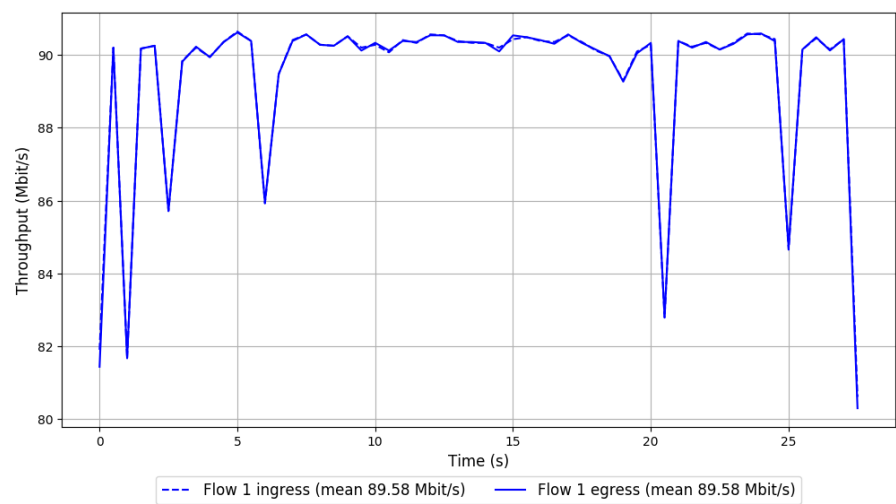
Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2018-01-08 19:07:20
End at: 2018-01-08 19:07:50
Local clock offset: 5.162 ms
Remote clock offset: -0.118 ms


# Below is generated by plot.py at 2018-01-09 00:53:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 2.161 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 2.161 ms
Loss rate: 0.02%
```
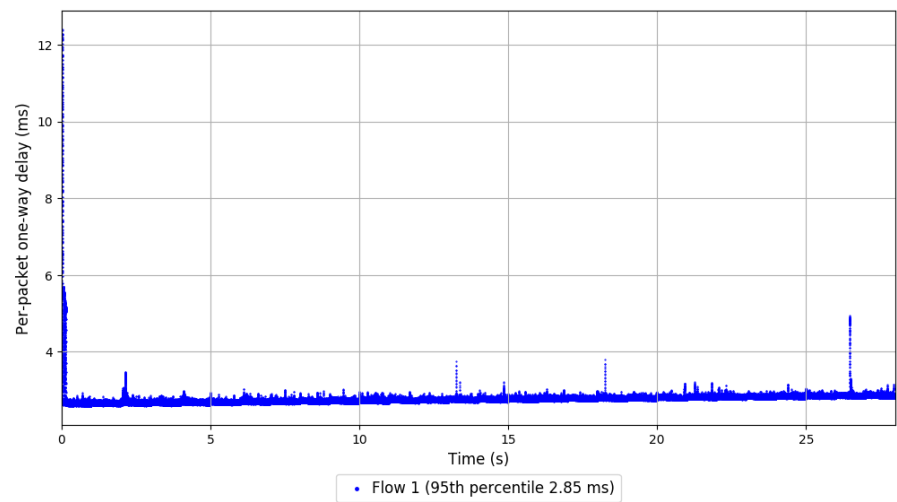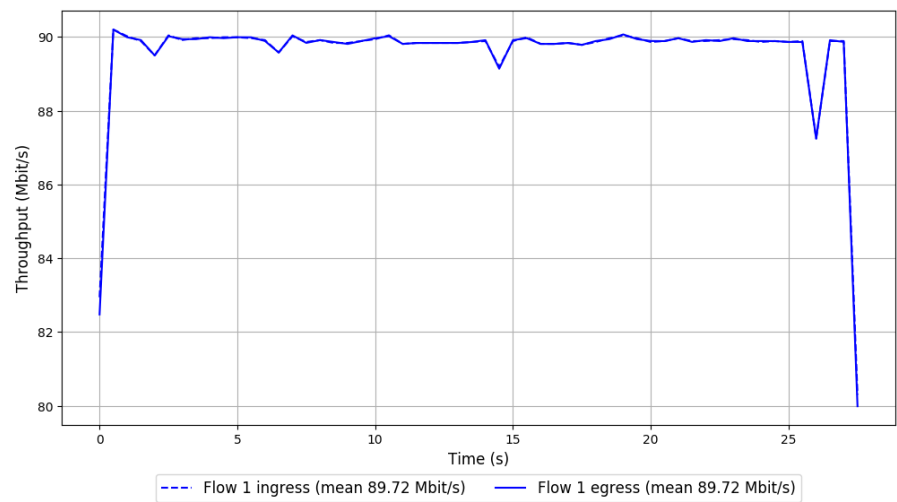
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.61 Mbit/s)   Flow 1 egress (mean 89.61 Mbit/s)

Flow 1 (95th percentile 2.16 ms)

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

Start at: 2018-01-08 19:24:18
End at: 2018-01-08 19:24:48
Local clock offset: 8.853 ms
Remote clock offset: 0.01 ms


# Below is generated by plot.py at 2018-01-09 00:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 2.840 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 2.840 ms
Loss rate: 0.02%
```
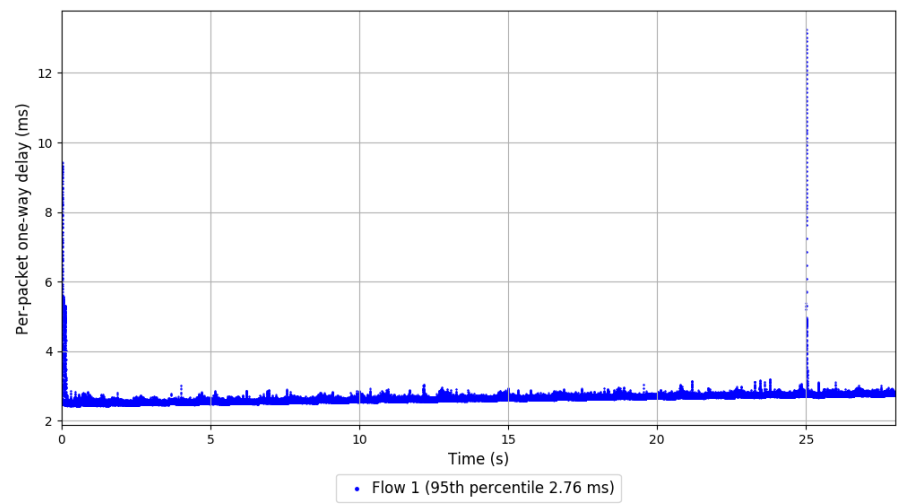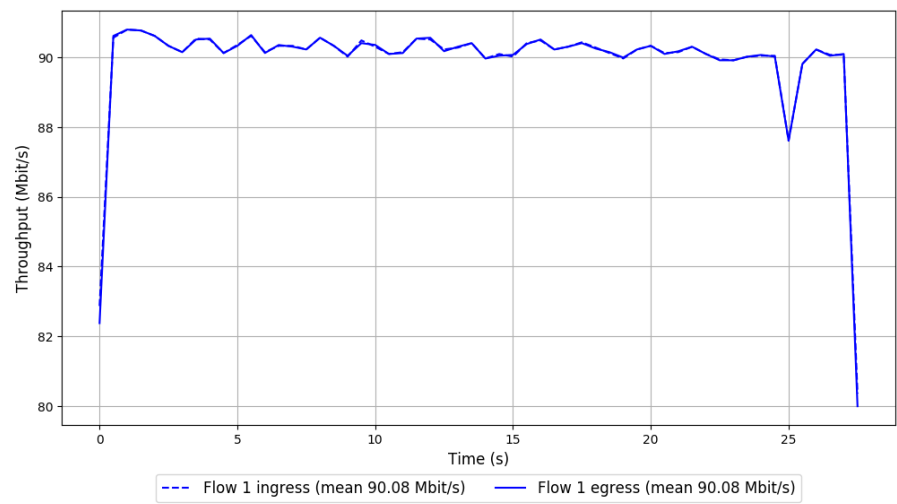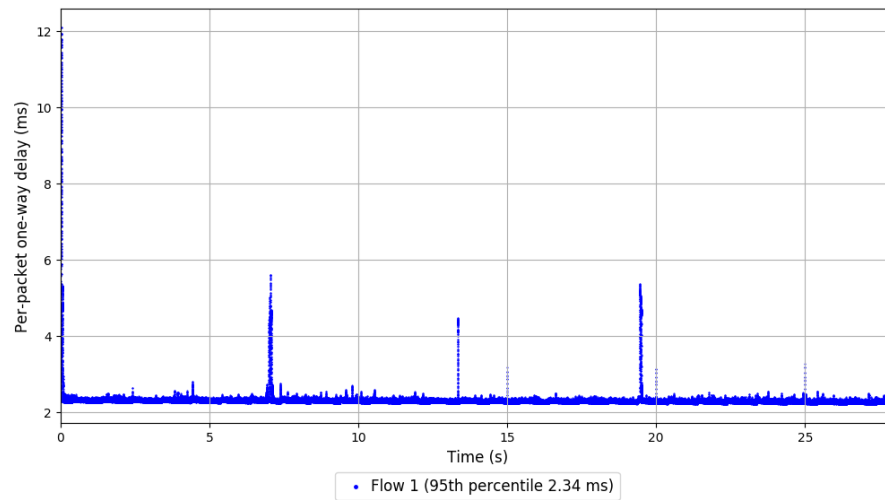
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.58 Mbit/s)   Flow 1 egress (mean 89.58 Mbit/s)

Flow 1 (95th percentile 2.84 ms)

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

Start at: 2018-01-08 19:41:15
End at: 2018-01-08 19:41:45
Local clock offset: 9.098 ms
Remote clock offset: 0.114 ms


# Below is generated by plot.py at 2018-01-09 00:53:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 2.850 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 2.850 ms
Loss rate: 0.02%
```
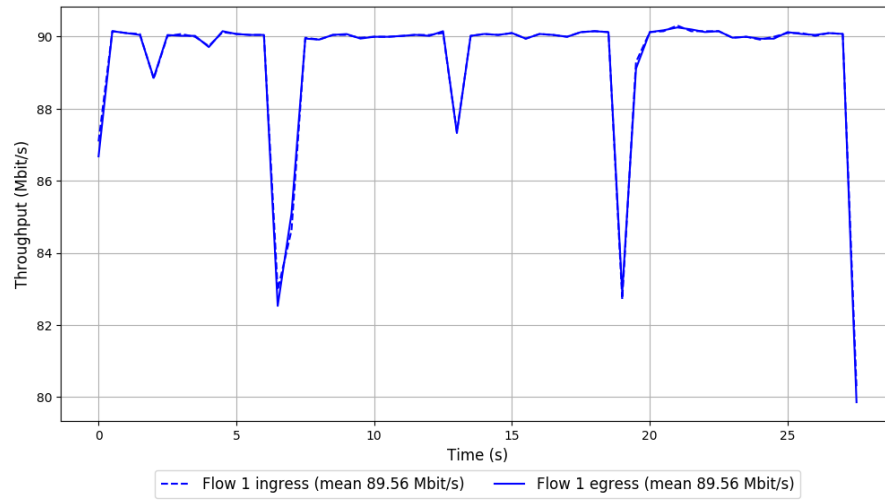
Run 4: Report of TaoVA-100x — Data Link

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

Start at: 2018-01-08 19:58:13
End at: 2018-01-08 19:58:43
Local clock offset: 1.198 ms
Remote clock offset: 0.372 ms


# Below is generated by plot.py at 2018-01-09 00:54:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.08 Mbit/s
95th percentile per-packet one-way delay: 2.764 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.08 Mbit/s
95th percentile per-packet one-way delay: 2.764 ms
Loss rate: 0.02%
```
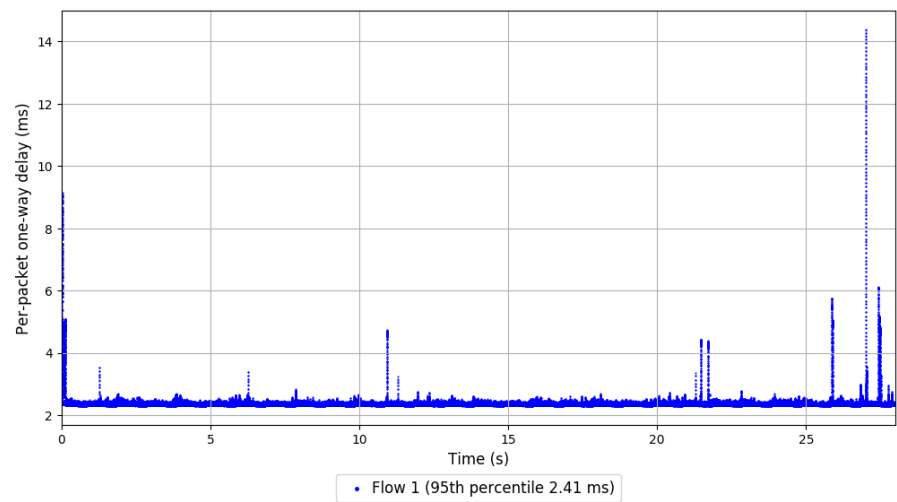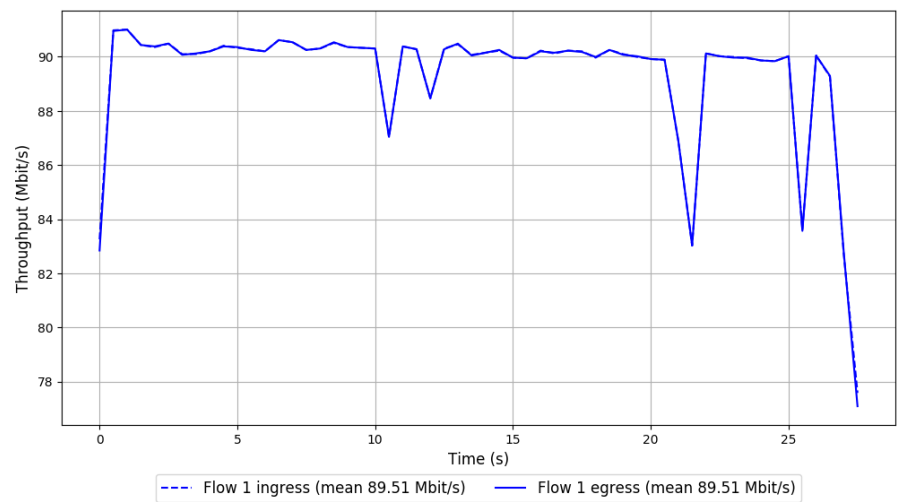
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 90.08 Mbit/s) ——— Flow 1 egress (mean 90.08 Mbit/s)

• Flow 1 (95th percentile 2.76 ms)

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

Start at: 2018-01-08 20:15:08
End at: 2018-01-08 20:15:38
Local clock offset: -0.027 ms
Remote clock offset: 0.48 ms


# Below is generated by plot.py at 2018-01-09 00:54:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.56 Mbit/s
95th percentile per-packet one-way delay: 2.339 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.56 Mbit/s
95th percentile per-packet one-way delay: 2.339 ms
Loss rate: 0.02%
```
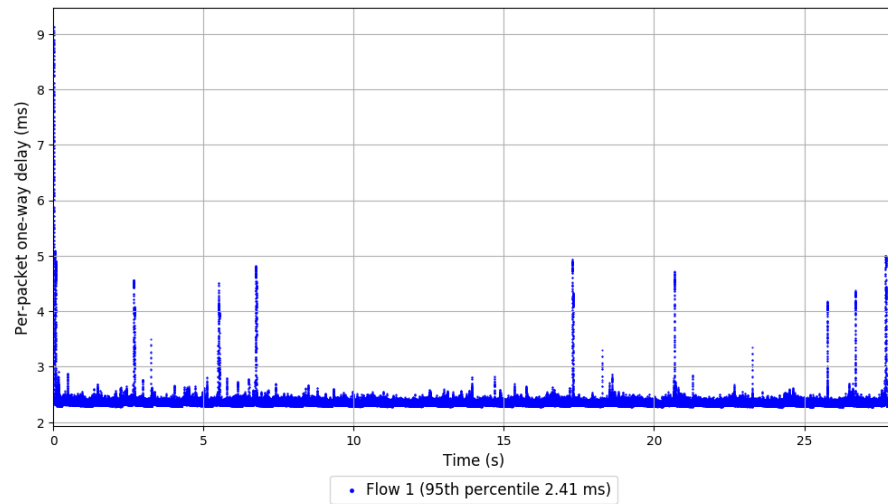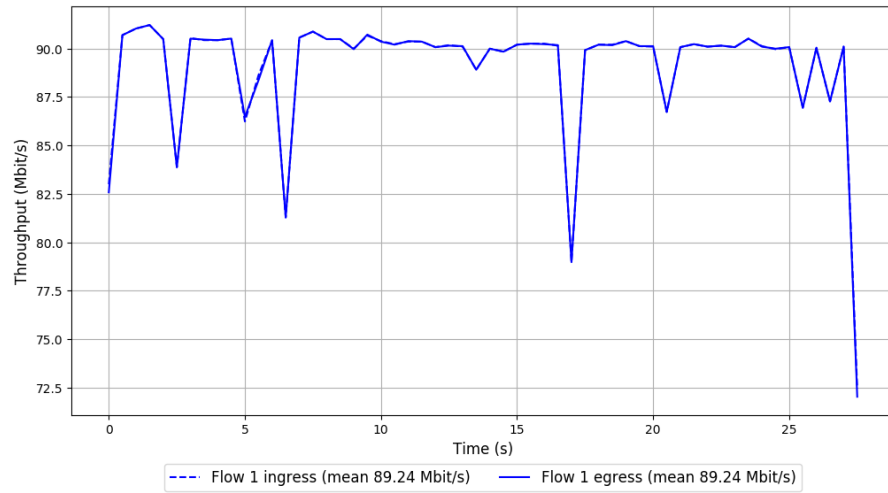
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.56 Mbit/s) --- Flow 1 egress (mean 89.56 Mbit/s)

Flow 1 (95th percentile 2.34 ms)

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

Start at: 2018-01-08 20:32:08
End at: 2018-01-08 20:32:38
Local clock offset: 0.56 ms
Remote clock offset: 0.542 ms


# Below is generated by plot.py at 2018-01-09 00:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 2.412 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 2.412 ms
Loss rate: 0.02%
```
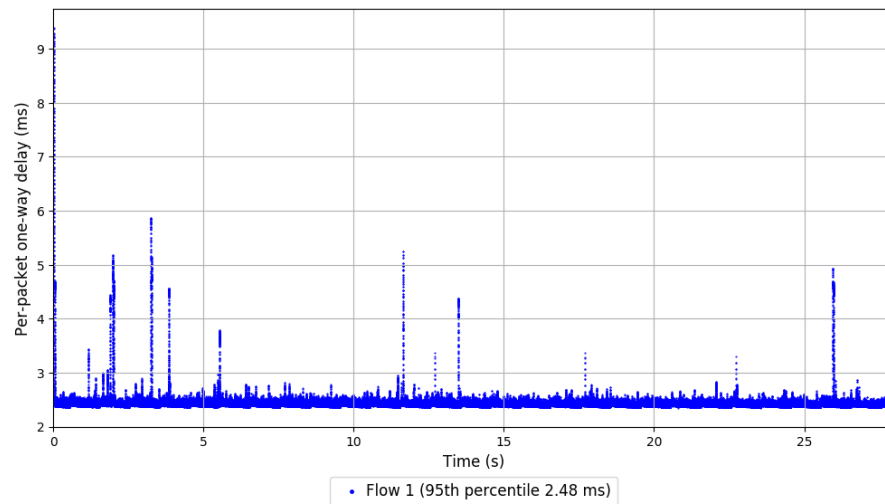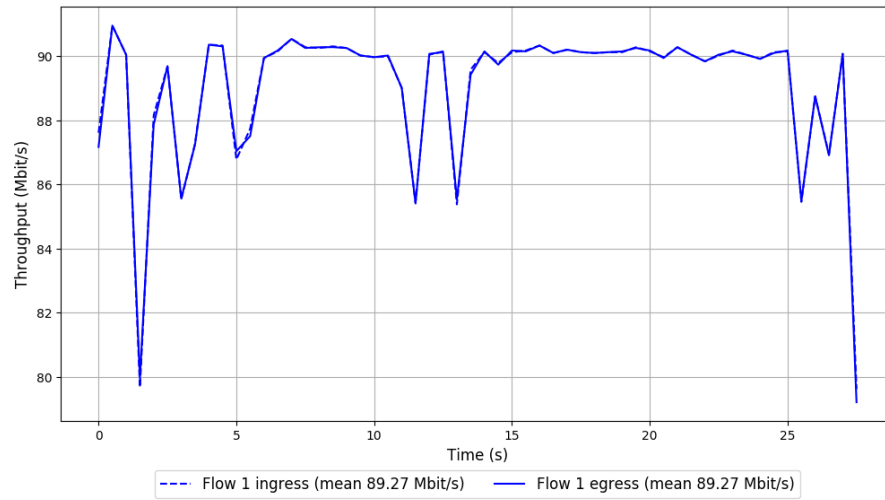
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.51 Mbit/s) ---- Flow 1 egress (mean 89.51 Mbit/s)

• Flow 1 (95th percentile 2.41 ms)

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

Start at: 2018-01-08 20:49:06
End at: 2018-01-08 20:49:36
Local clock offset: 0.724 ms
Remote clock offset: 0.527 ms


# Below is generated by plot.py at 2018-01-09 00:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 0.02%
```
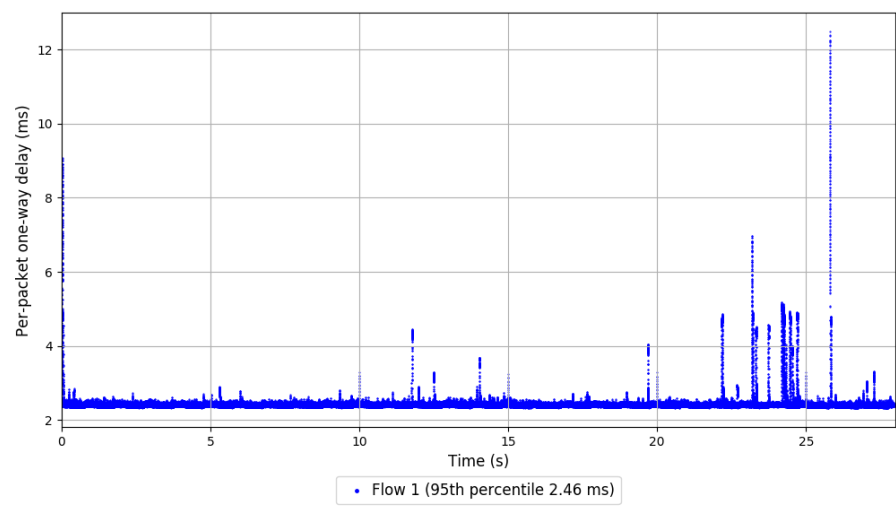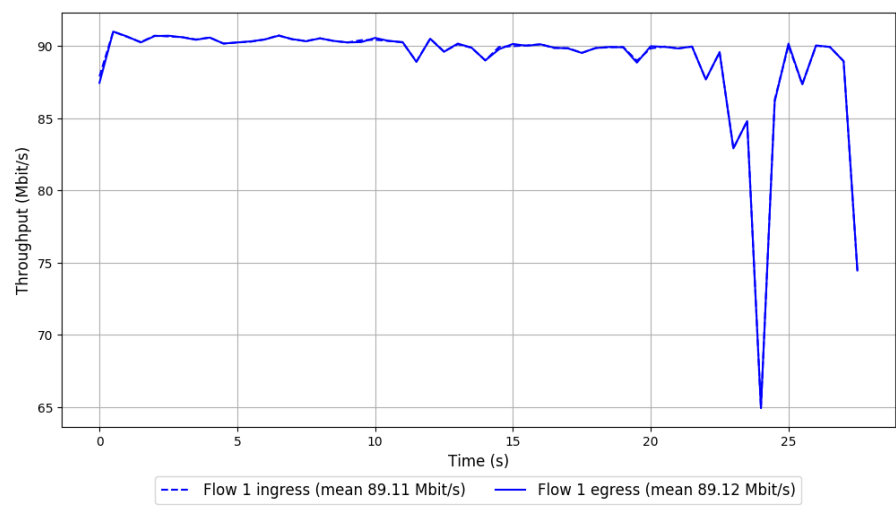
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.24 Mbit/s)   Flow 1 egress (mean 89.24 Mbit/s)

Flow 1 (95th percentile 2.41 ms)

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

Start at: 2018-01-08 21:06:02
End at: 2018-01-08 21:06:32
Local clock offset: 0.687 ms
Remote clock offset: 0.418 ms


# Below is generated by plot.py at 2018-01-09 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.02%
```

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

Flow 1 ingress (mean 89.27 Mbit/s)   Flow 1 egress (mean 89.27 Mbit/s)

Flow 1 (95th percentile 2.48 ms)

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

Start at: 2018-01-08 21:22:59
End at: 2018-01-08 21:23:29
Local clock offset: 0.82 ms
Remote clock offset: 0.405 ms


# Below is generated by plot.py at 2018-01-09 00:57:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.01%
```

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

Flow 1 ingress (mean 89.11 Mbit/s) ——— Flow 1 egress (mean 89.12 Mbit/s)

• Flow 1 (95th percentile 2.46 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-01-08 19:00:28
End at: 2018-01-08 19:00:58
Local clock offset: 6.039 ms
Remote clock offset: -0.174 ms
```

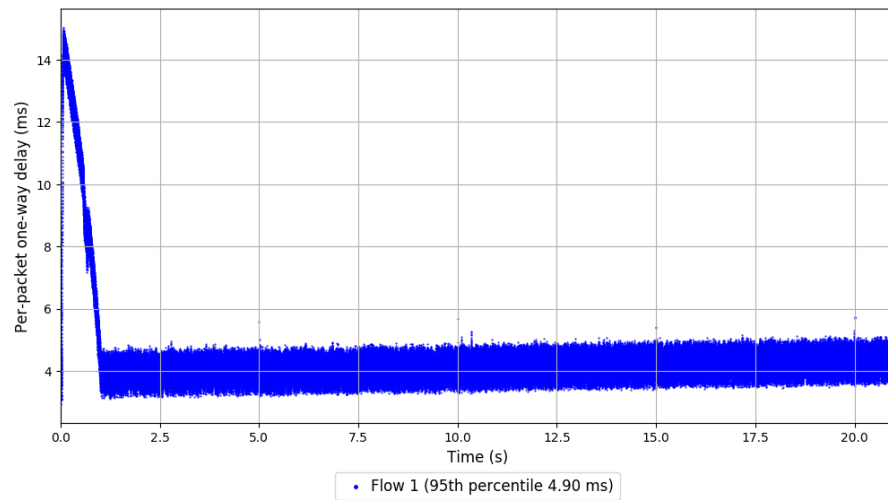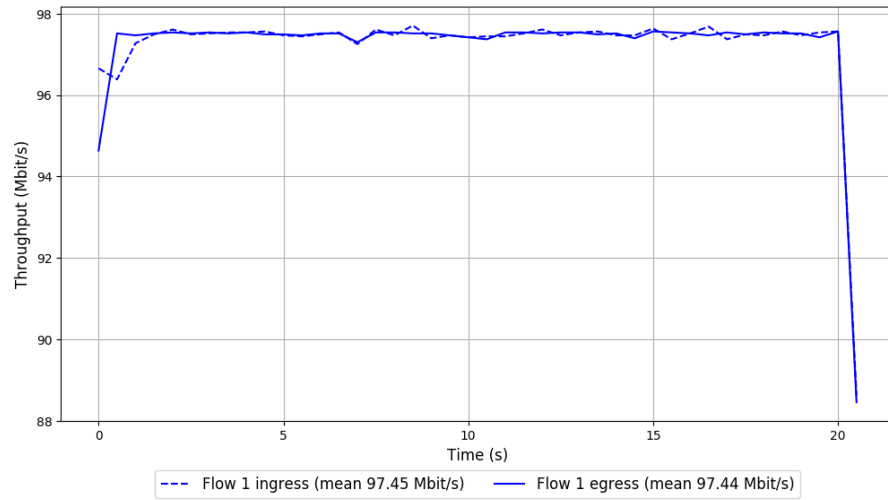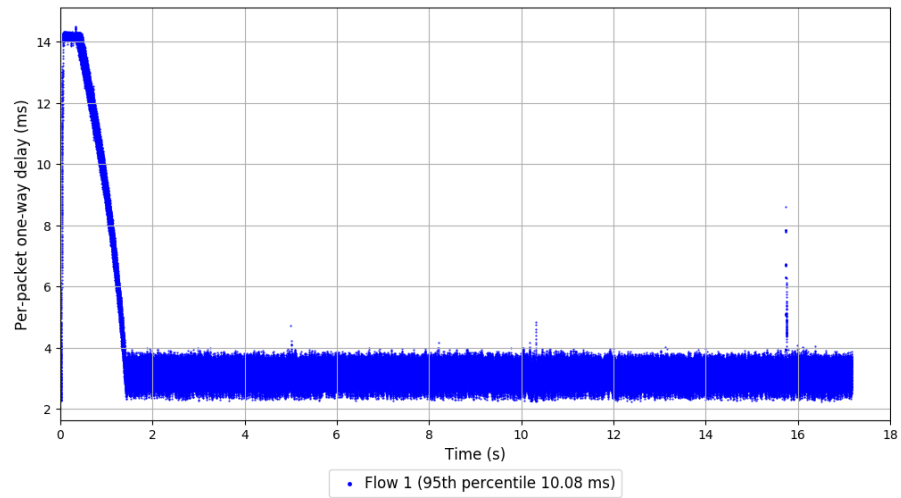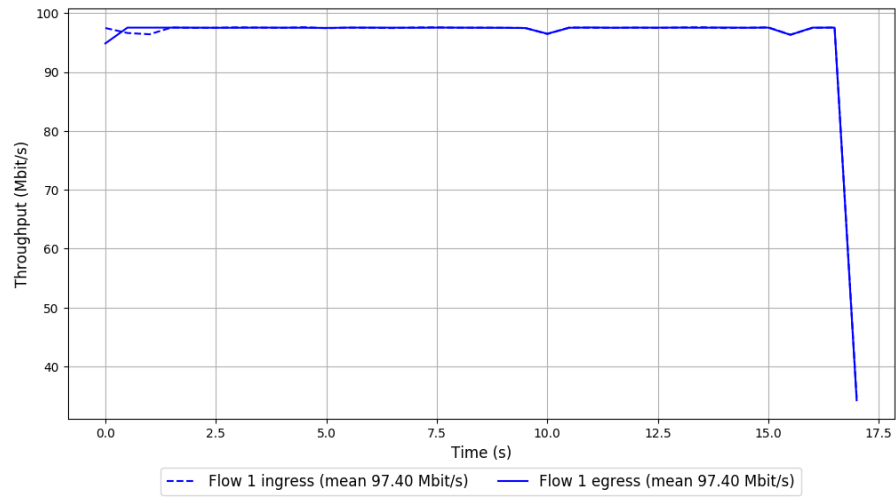Run 1: Report of TCP Vegas — Data Link

Run 2: Statistics of TCP Vegas

Start at: 2018-01-08 19:17:25
End at: 2018-01-08 19:17:55
Local clock offset: 9.916 ms
Remote clock offset: -0.055 ms

Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-01-08 19:34:22
End at: 2018-01-08 19:34:52
Local clock offset: 7.374 ms
Remote clock offset: 0.102 ms
```

Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2018-01-08 19:51:20
End at: 2018-01-08 19:51:50
Local clock offset: 6.913 ms
Remote clock offset: 0.21 ms
```

Run 4: Report of TCP Vegas — Data Link

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

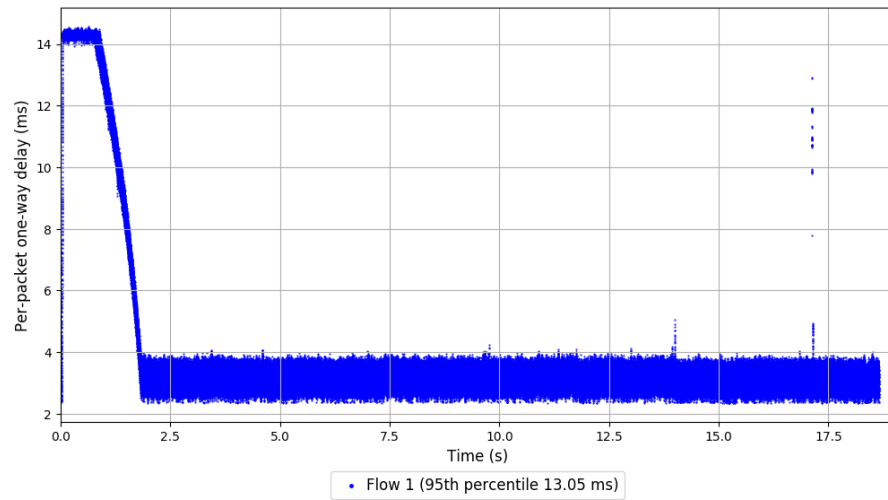Flow 1 (95th percentile 4.90 ms)
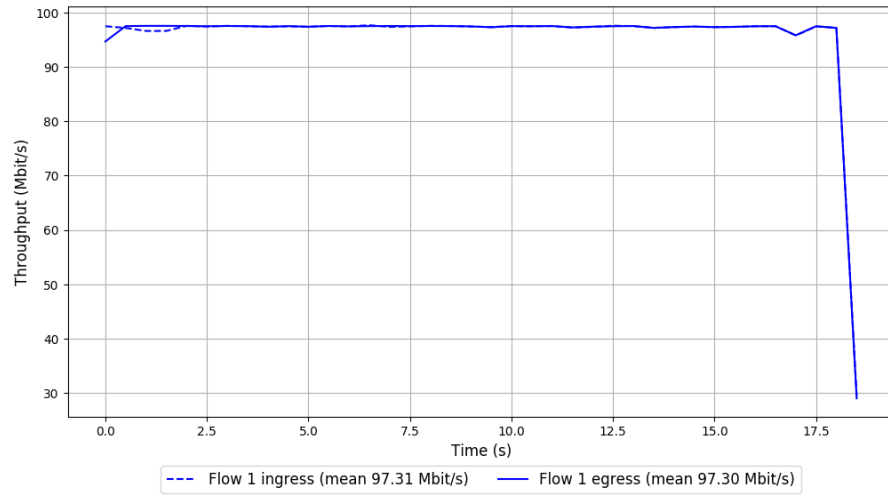
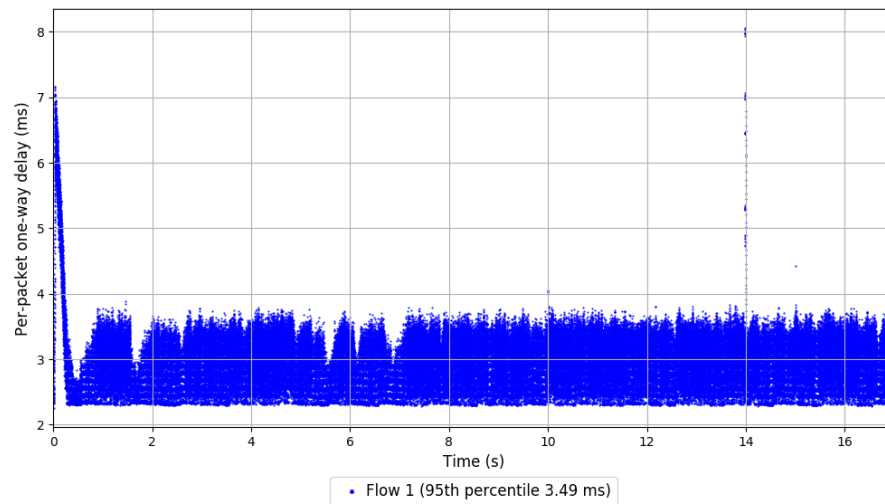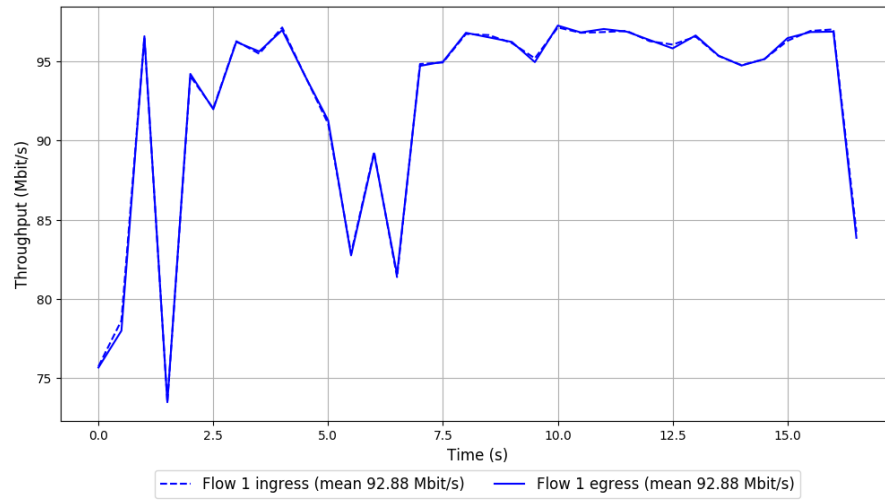```
Run 5: Statistics of TCP Vegas

Start at: 2018-01-08 20:08:16
End at: 2018-01-08 20:08:46
Local clock offset: -0.663 ms
Remote clock offset: 0.426 ms
```

Run 5: Report of TCP Vegas — Data Link



Flow 1 ingress (mean 97.40 Mbit/s)    Flow 1 egress (mean 97.40 Mbit/s)



Flow 1 (95th percentile 10.08 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-01-08 20:25:14
End at: 2018-01-08 20:25:44
Local clock offset: 0.407 ms
Remote clock offset: 0.471 ms


# Below is generated by plot.py at 2018-01-09 00:57:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 3.708 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 3.708 ms
Loss rate: 0.02%
```

Run 6: Report of TCP Vegas — Data Link

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

Flow 1 (95th percentile 3.71 ms)
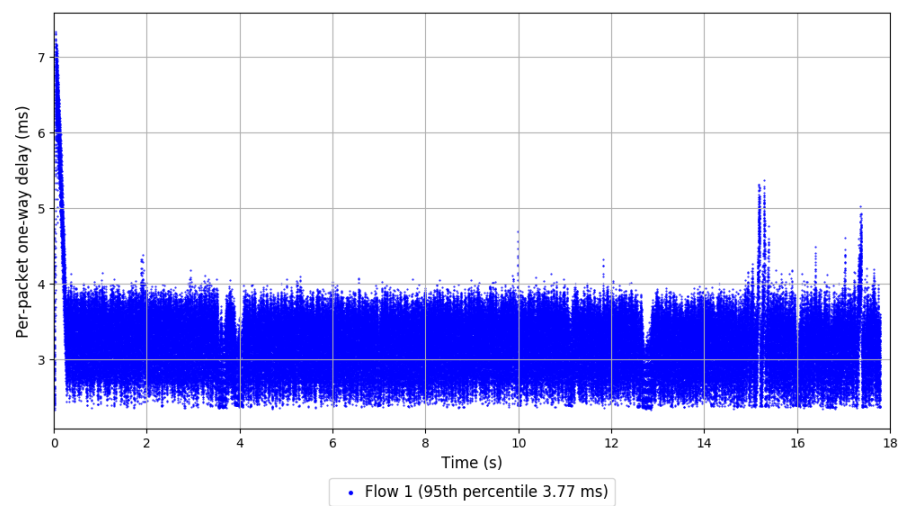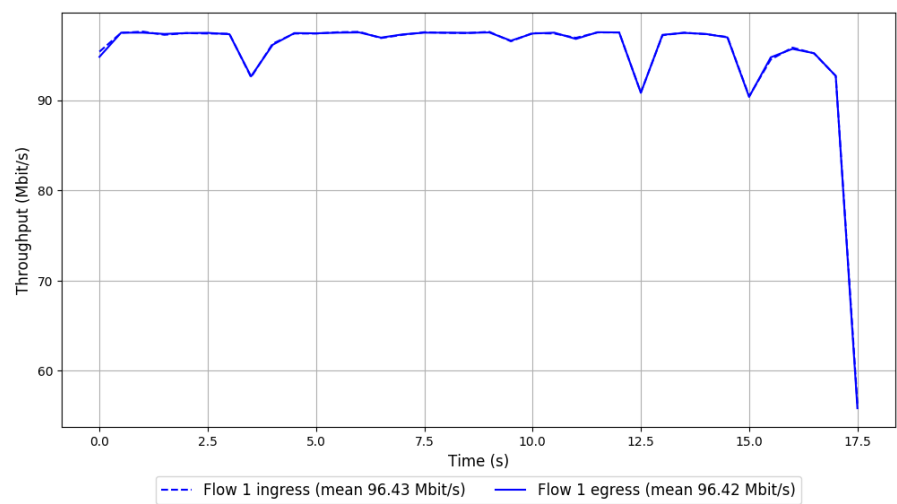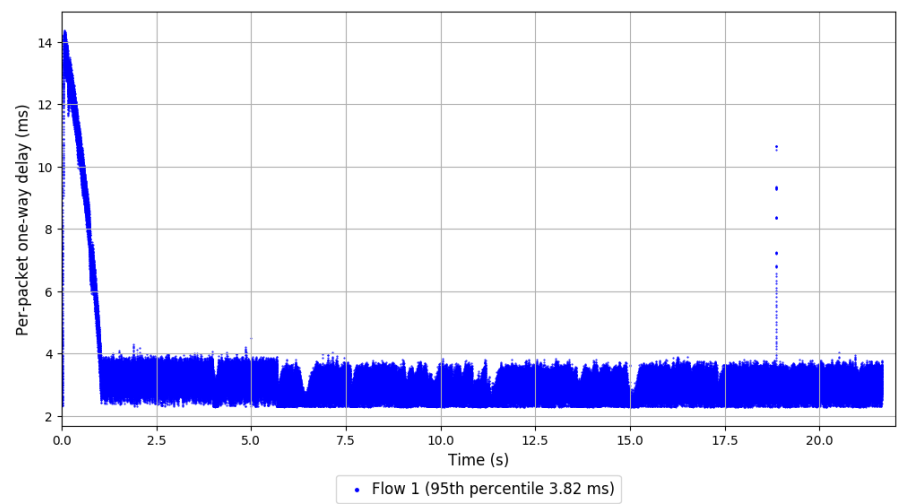
Run 7: Statistics of TCP Vegas

Start at: 2018-01-08 20:42:13
End at: 2018-01-08 20:42:43
Local clock offset: 0.635 ms
Remote clock offset: 0.496 ms

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.31 Mbit/s) --- Flow 1 egress (mean 97.30 Mbit/s)

Flow 1 (95th percentile 13.05 ms)

197

```
Run 8: Statistics of TCP Vegas

Start at: 2018-01-08 20:59:10
End at: 2018-01-08 20:59:40
Local clock offset: 0.618 ms
Remote clock offset: 0.489 ms
```

Run 8: Report of TCP Vegas — Data Link
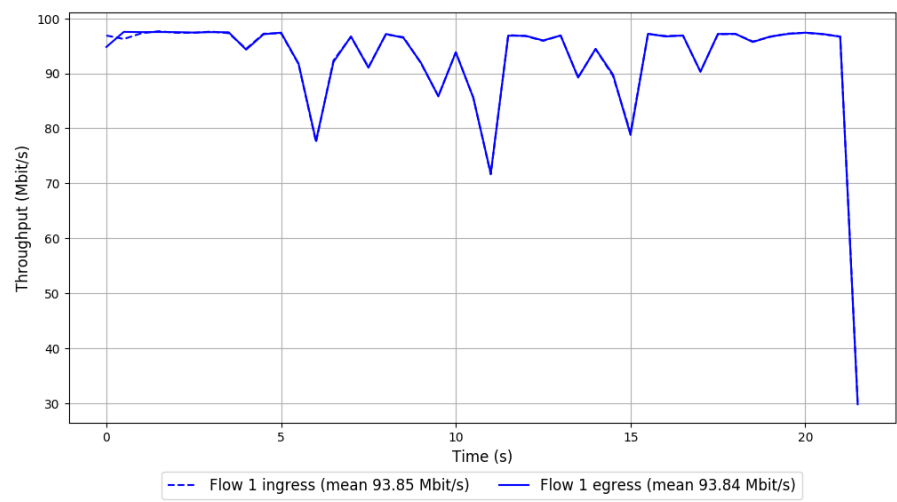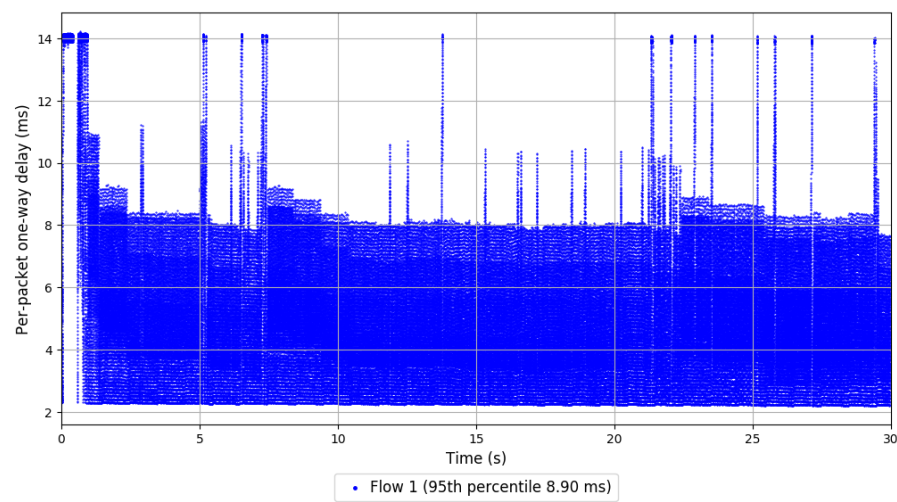
```
Run 9: Statistics of TCP Vegas

Start at: 2018-01-08 21:16:06
End at: 2018-01-08 21:16:36
Local clock offset: 0.689 ms
Remote clock offset: 0.38 ms
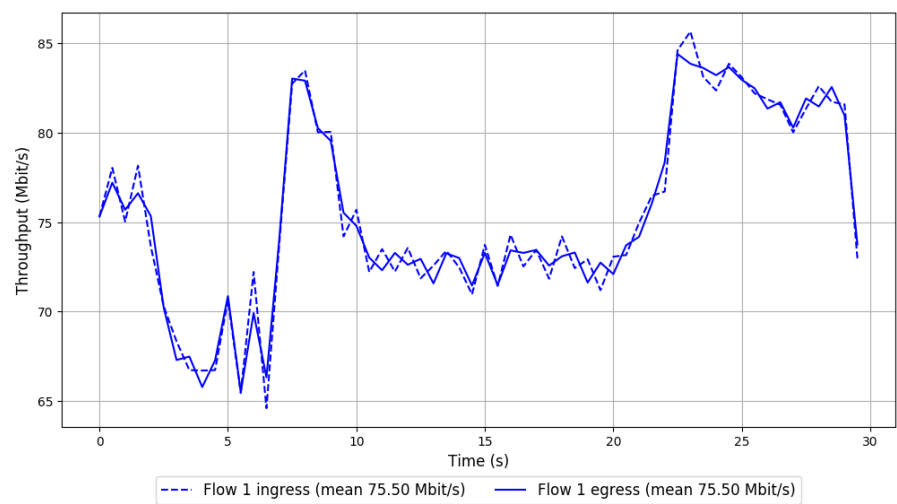```

Run 9: Report of TCP Vegas — Data Link



Flow 1 ingress (mean 96.43 Mbit/s) ---- Flow 1 egress (mean 96.42 Mbit/s)



Flow 1 (95th percentile 3.77 ms)

Run 10: Statistics of TCP Vegas

Start at: 2018-01-08 21:33:04
End at: 2018-01-08 21:33:34
Local clock offset: 0.947 ms
Remote clock offset: 0.358 ms

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



Flow 1 ingress (mean 93.85 Mbit/s)    Flow 1 egress (mean 93.84 Mbit/s)
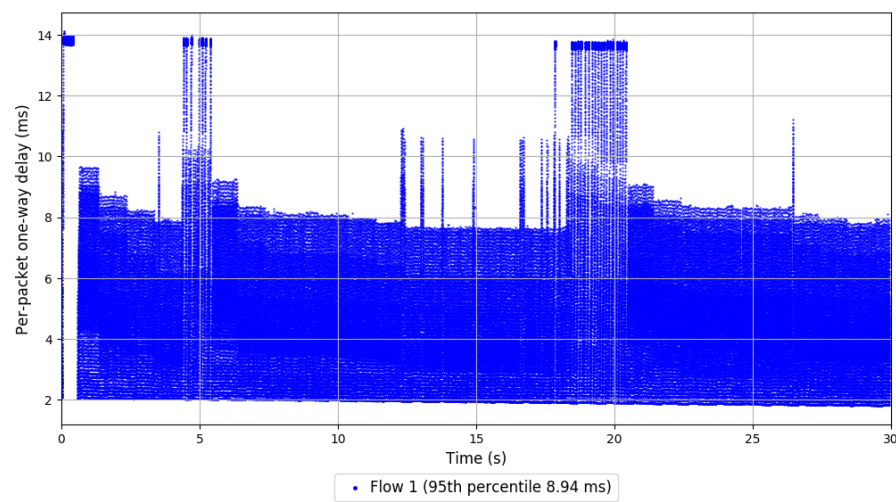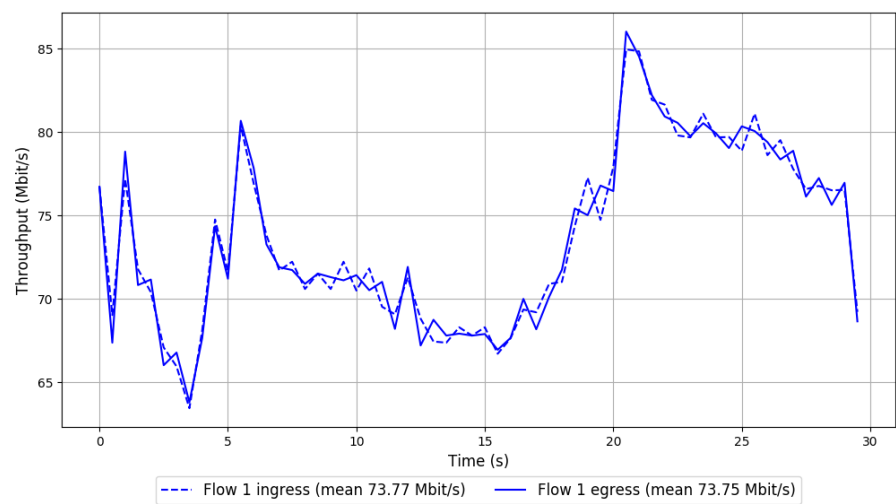


Flow 1 (95th percentile 3.82 ms)

```
Run 1: Statistics of Verus

Start at: 2018-01-08 18:54:54
End at: 2018-01-08 18:55:24
Local clock offset: 7.104 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-01-09 00:58:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.50 Mbit/s
95th percentile per-packet one-way delay: 8.901 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.50 Mbit/s
95th percentile per-packet one-way delay: 8.901 ms
Loss rate: 0.01%
```
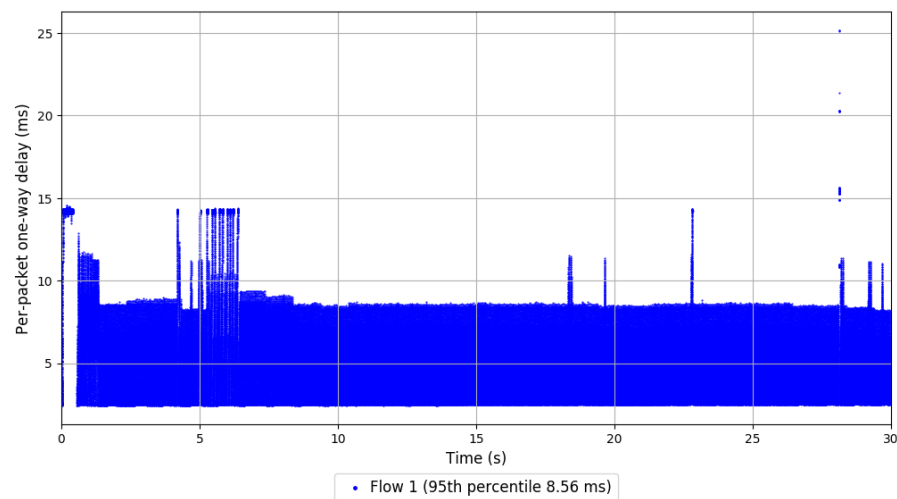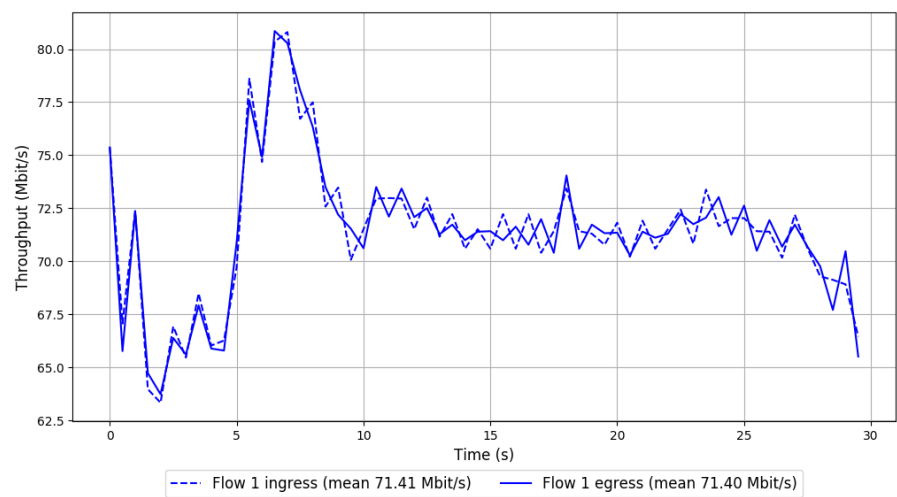
# Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-01-08 19:11:50
End at: 2018-01-08 19:12:20
Local clock offset: 7.071 ms
Remote clock offset: -0.117 ms


# Below is generated by plot.py at 2018-01-09 00:58:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.75 Mbit/s
95th percentile per-packet one-way delay: 8.935 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 73.75 Mbit/s
95th percentile per-packet one-way delay: 8.935 ms
Loss rate: 0.03%
```

Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 73.77 Mbit/s) ------- Flow 1 egress (mean 73.75 Mbit/s)

Flow 1 (95th percentile 8.94 ms)

```
Run 3: Statistics of Verus

Start at: 2018-01-08 19:28:47
End at: 2018-01-08 19:29:17
Local clock offset: 7.368 ms
Remote clock offset: -0.002 ms


# Below is generated by plot.py at 2018-01-09 00:58:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 8.558 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 8.558 ms
Loss rate: 0.02%
```

Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-01-08 19:45:45
End at: 2018-01-08 19:46:15
Local clock offset: 7.604 ms
Remote clock offset: 0.217 ms


# Below is generated by plot.py at 2018-01-09 00:59:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 8.526 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 8.526 ms
Loss rate: 0.04%
```
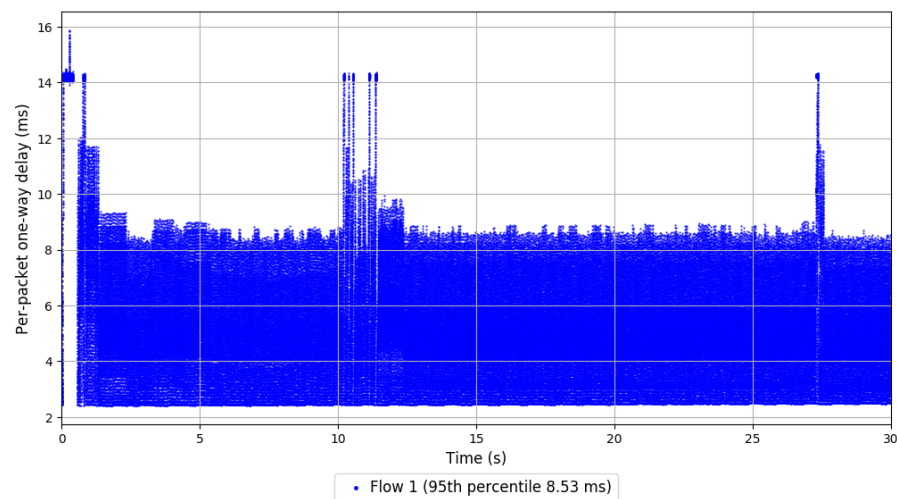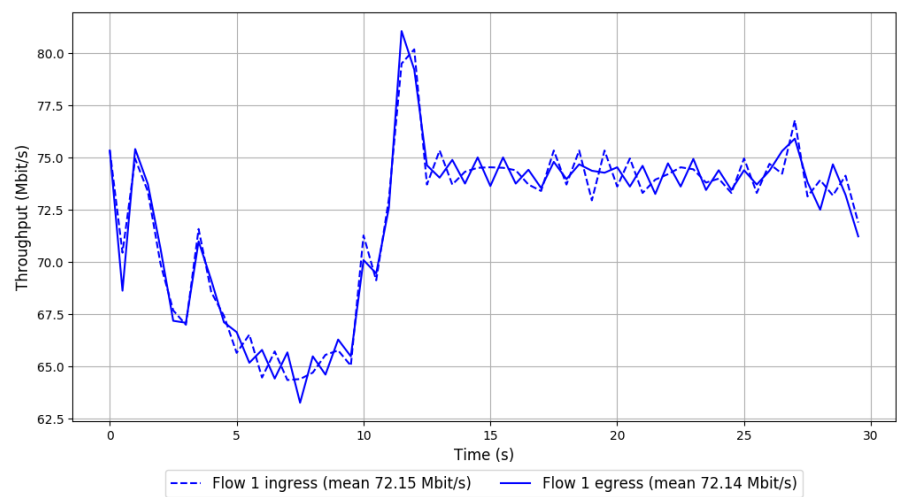
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-01-08 20:02:43
End at: 2018-01-08 20:03:13
Local clock offset: -0.586 ms
Remote clock offset: 0.312 ms


# Below is generated by plot.py at 2018-01-09 00:59:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.72 Mbit/s
95th percentile per-packet one-way delay: 8.943 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 72.72 Mbit/s
95th percentile per-packet one-way delay: 8.943 ms
Loss rate: 0.04%
```
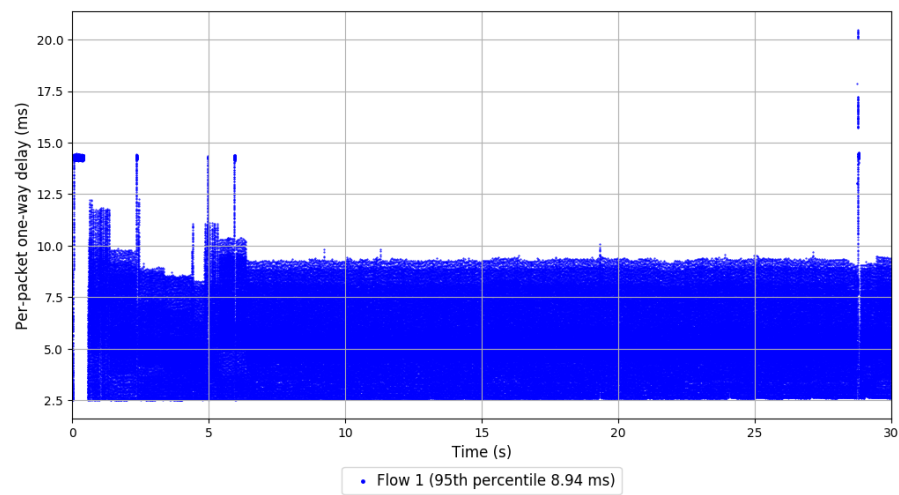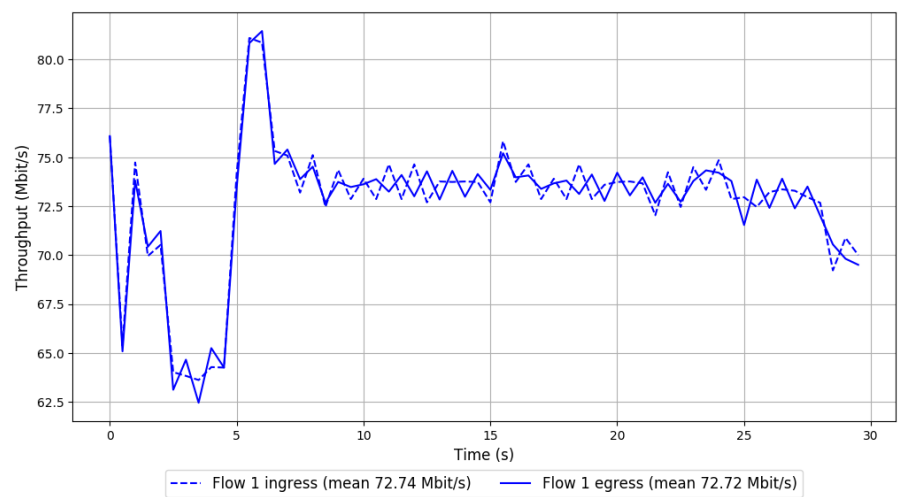
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2018-01-08 20:19:38
End at: 2018-01-08 20:20:08
Local clock offset: 0.329 ms
Remote clock offset: 0.514 ms


# Below is generated by plot.py at 2018-01-09 00:59:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 8.370 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 8.370 ms
Loss rate: 0.01%
```
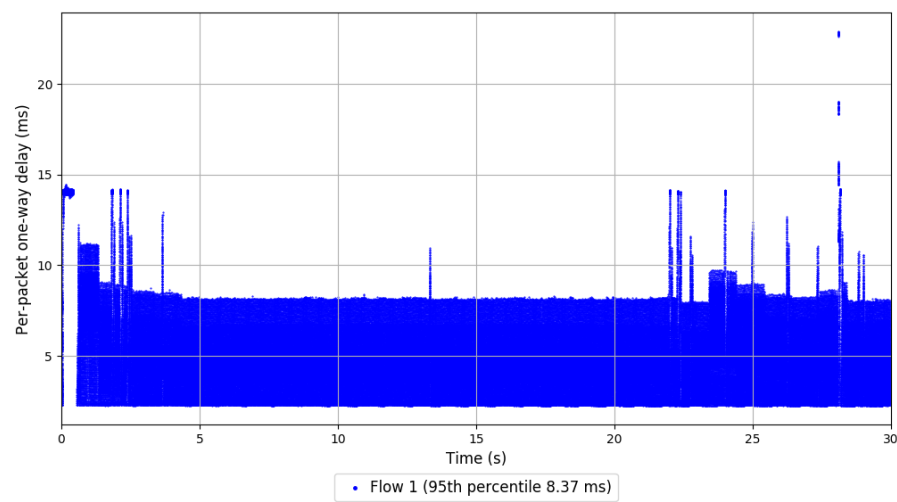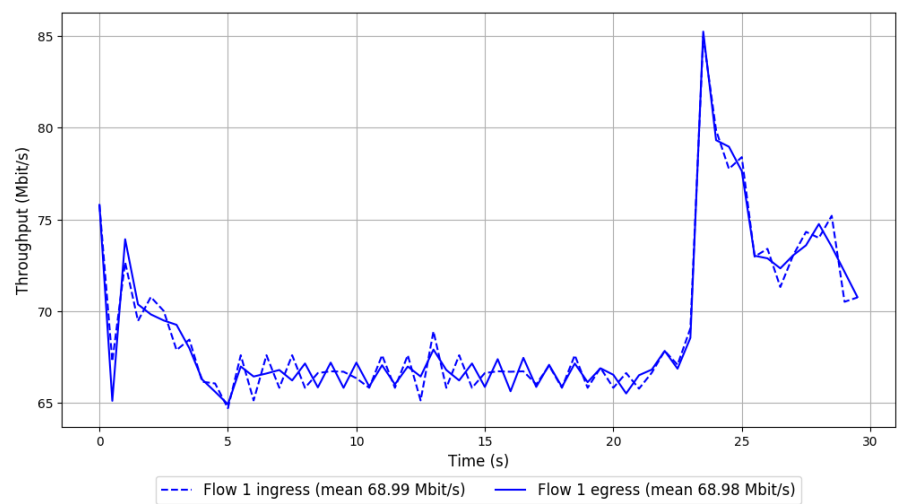
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-01-08 20:36:38
End at: 2018-01-08 20:37:08
Local clock offset: 0.642 ms
Remote clock offset: 0.472 ms


# Below is generated by plot.py at 2018-01-09 00:59:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 8.990 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 8.990 ms
Loss rate: 0.03%
```
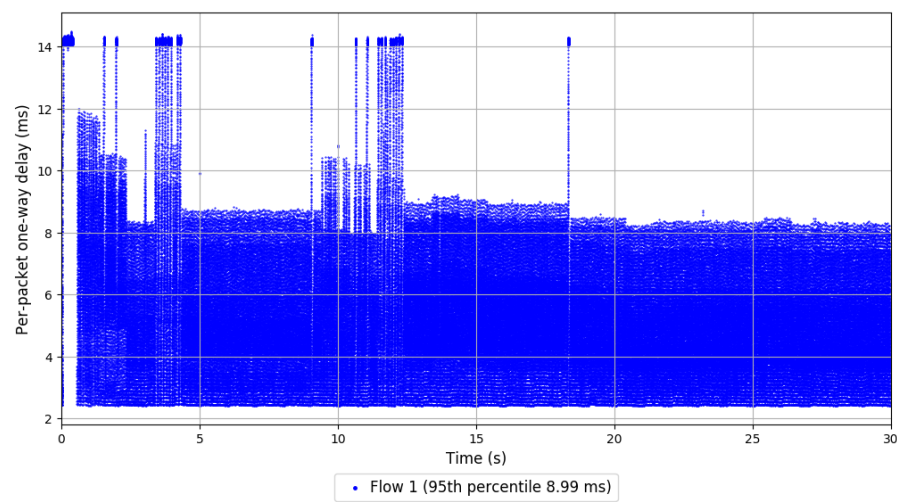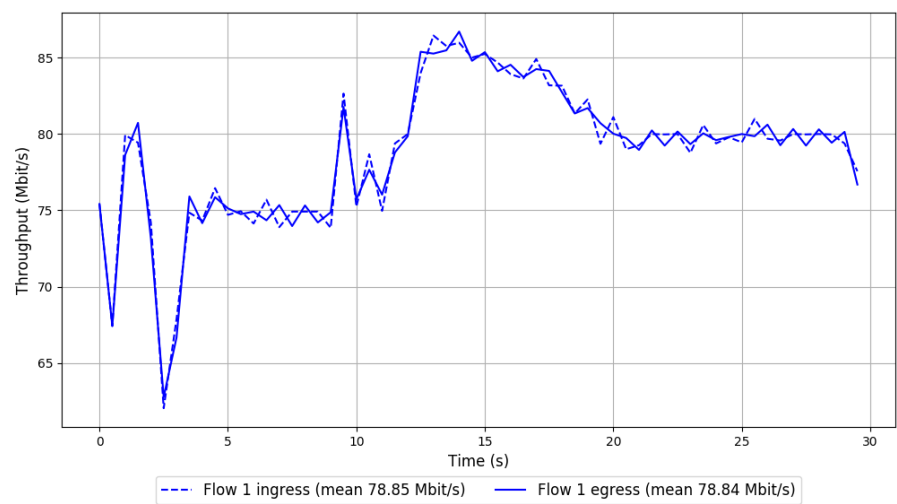
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-01-08 20:53:35
End at: 2018-01-08 20:54:05
Local clock offset: 0.649 ms
Remote clock offset: 0.425 ms


# Below is generated by plot.py at 2018-01-09 01:00:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 10.094 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 10.094 ms
Loss rate: 0.02%
```
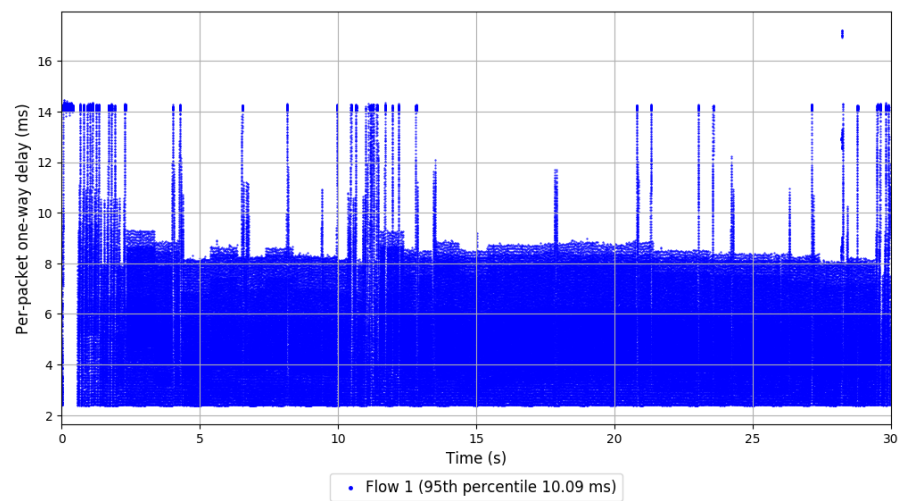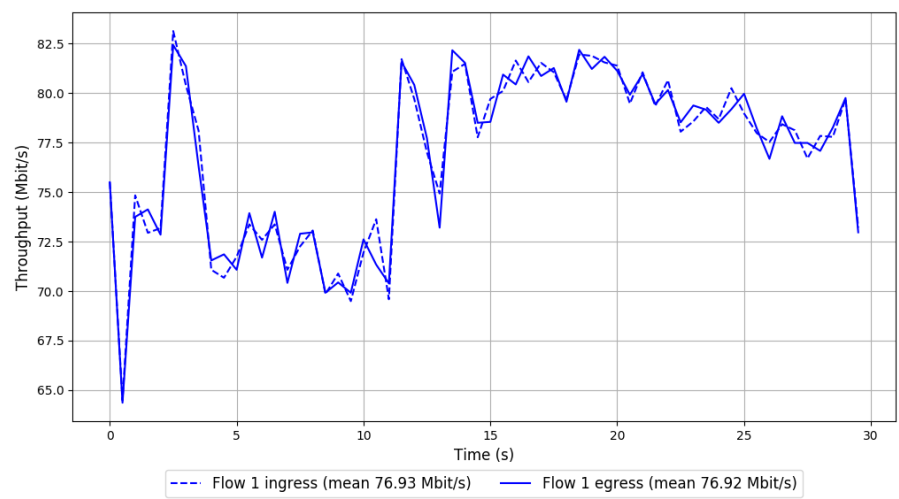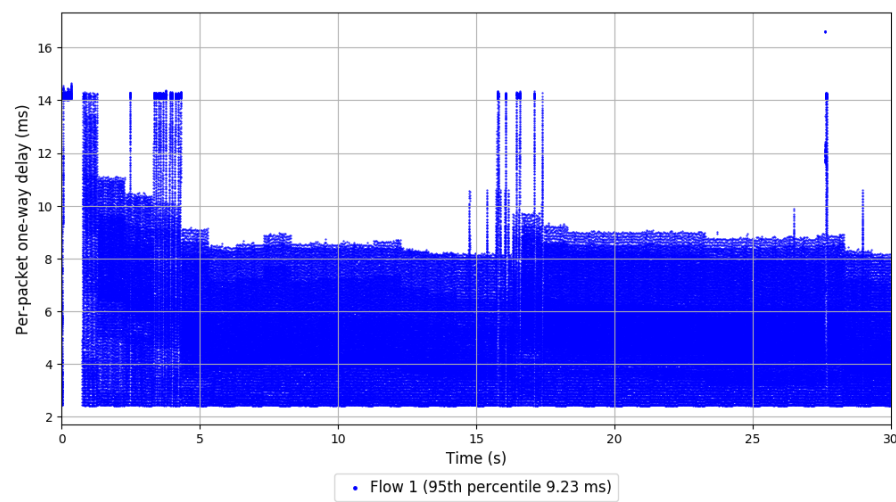
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 76.93 Mbit/s)   Flow 1 egress (mean 76.92 Mbit/s)

Flow 1 (95th percentile 10.09 ms)

```
Run 9: Statistics of Verus

Start at: 2018-01-08 21:10:31
End at: 2018-01-08 21:11:01
Local clock offset: 0.727 ms
Remote clock offset: 0.404 ms


# Below is generated by plot.py at 2018-01-09 01:00:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.69 Mbit/s
95th percentile per-packet one-way delay: 9.228 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 73.69 Mbit/s
95th percentile per-packet one-way delay: 9.228 ms
Loss rate: 0.04%
```
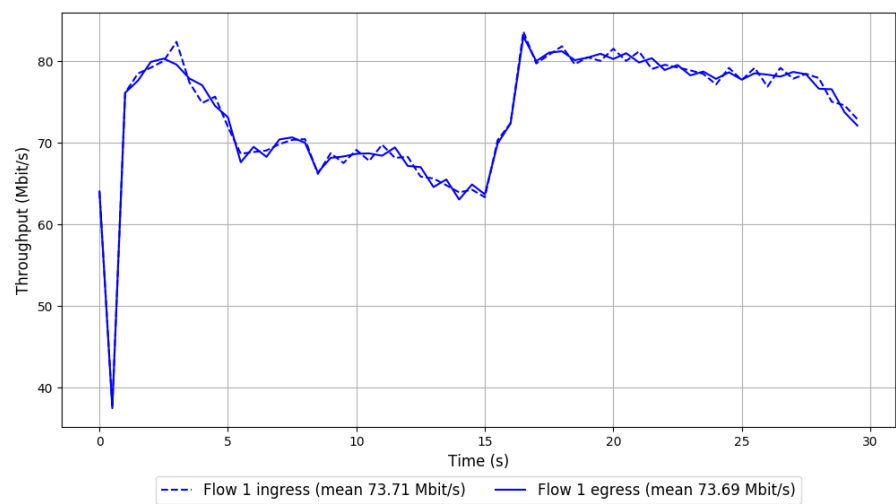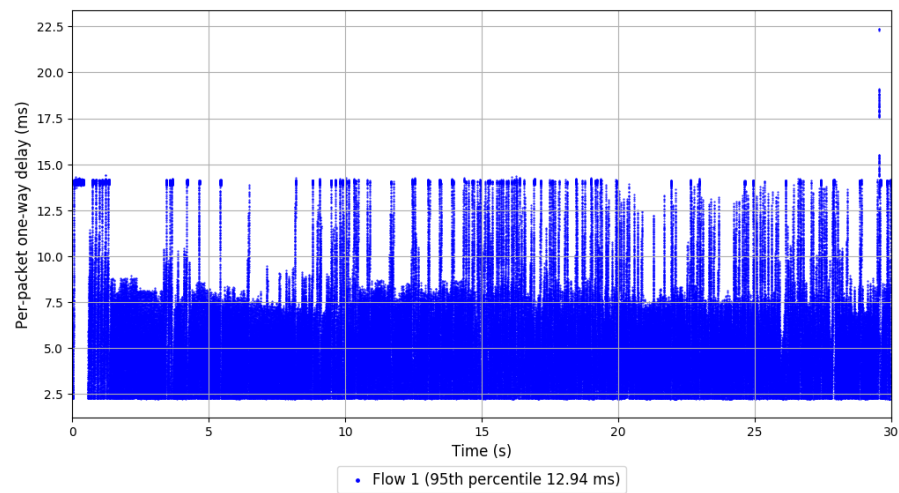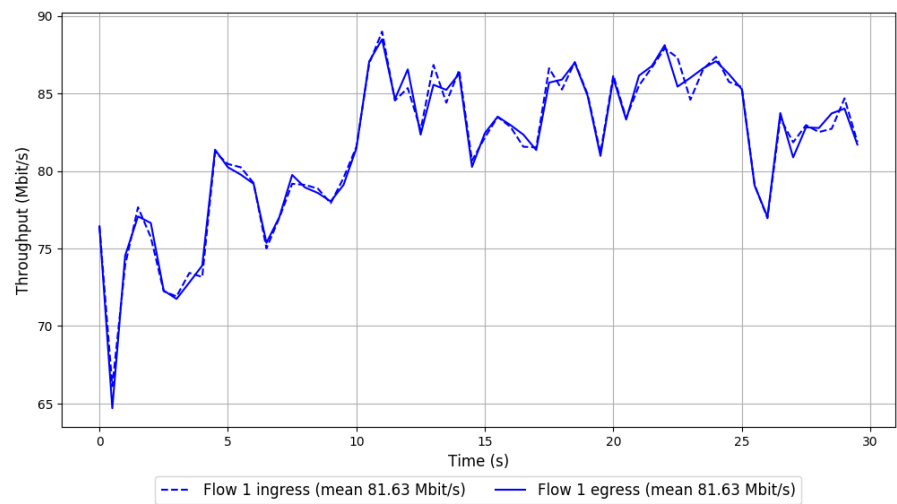
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 73.71 Mbit/s) — — — Flow 1 egress (mean 73.69 Mbit/s)

Flow 1 (95th percentile 9.23 ms)

```
Run 10: Statistics of Verus

Start at: 2018-01-08 21:27:28
End at: 2018-01-08 21:27:58
Local clock offset: 0.803 ms
Remote clock offset: 0.392 ms


# Below is generated by plot.py at 2018-01-09 01:00:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.63 Mbit/s
95th percentile per-packet one-way delay: 12.943 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.63 Mbit/s
95th percentile per-packet one-way delay: 12.943 ms
Loss rate: 0.02%
```

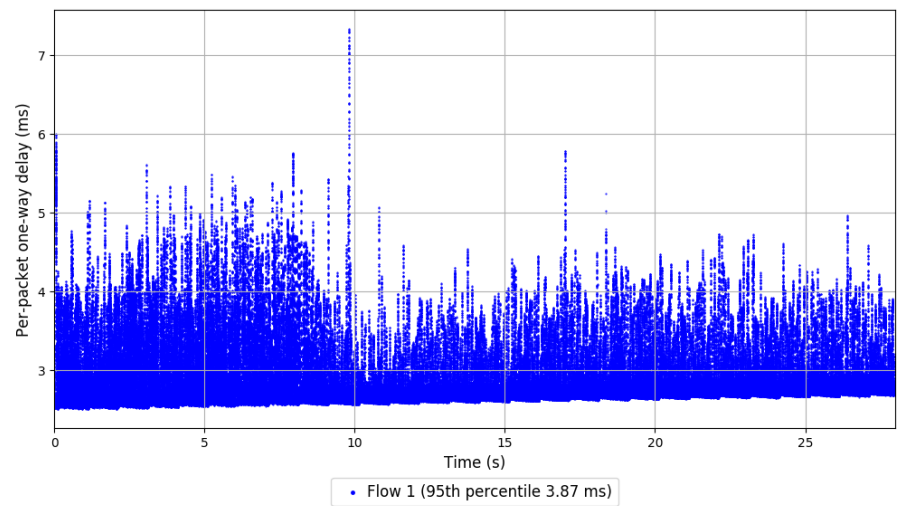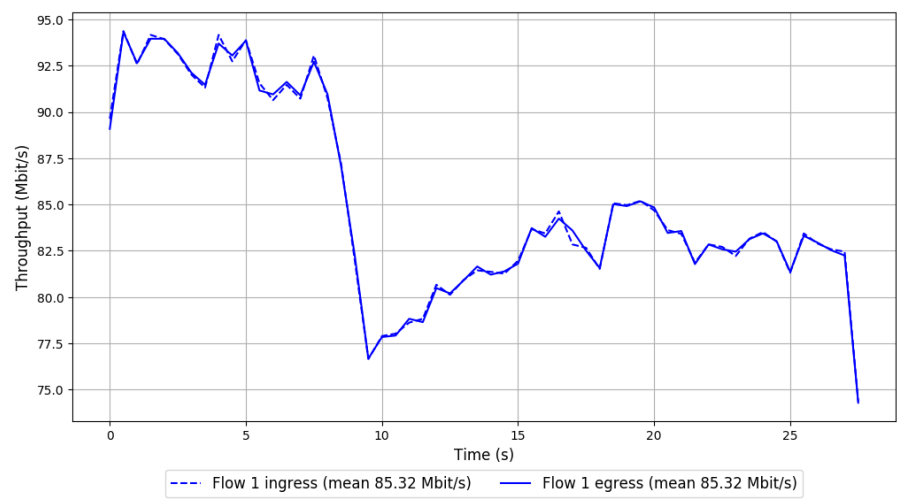# Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-01-08 19:01:34
End at: 2018-01-08 19:02:04
Local clock offset: 5.335 ms
Remote clock offset: -0.169 ms


# Below is generated by plot.py at 2018-01-09 01:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 3.867 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 3.867 ms
Loss rate: 0.02%
```

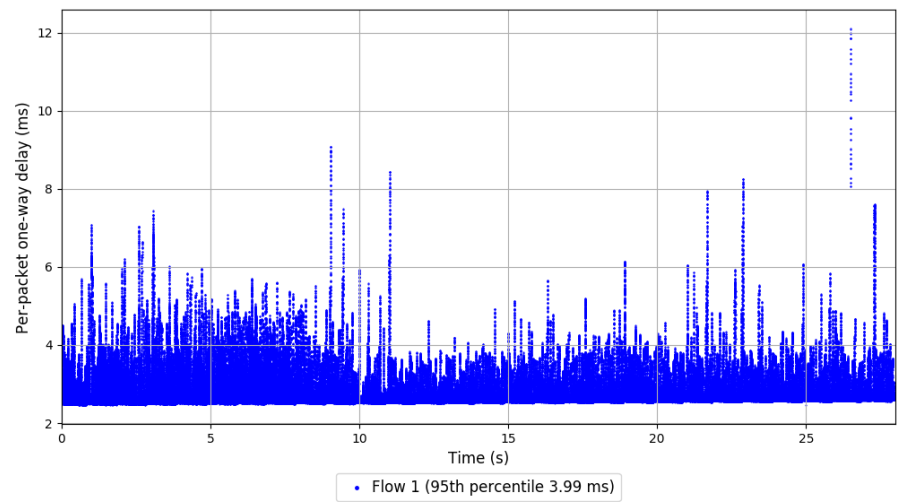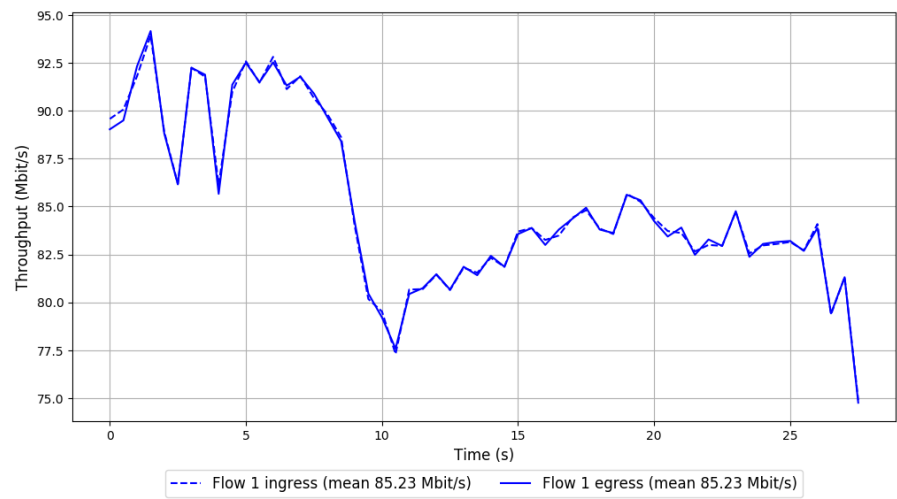Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2018-01-08 19:18:32
End at: 2018-01-08 19:19:02
Local clock offset: 9.602 ms
Remote clock offset: -0.063 ms


# Below is generated by plot.py at 2018-01-09 01:03:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 3.987 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 3.987 ms
Loss rate: 0.01%
```

Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-01-08 19:35:29
End at: 2018-01-08 19:35:59
Local clock offset: 7.654 ms
Remote clock offset: 0.119 ms


# Below is generated by plot.py at 2018-01-09 01:03:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 3.725 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 3.725 ms
Loss rate: 0.01%
```
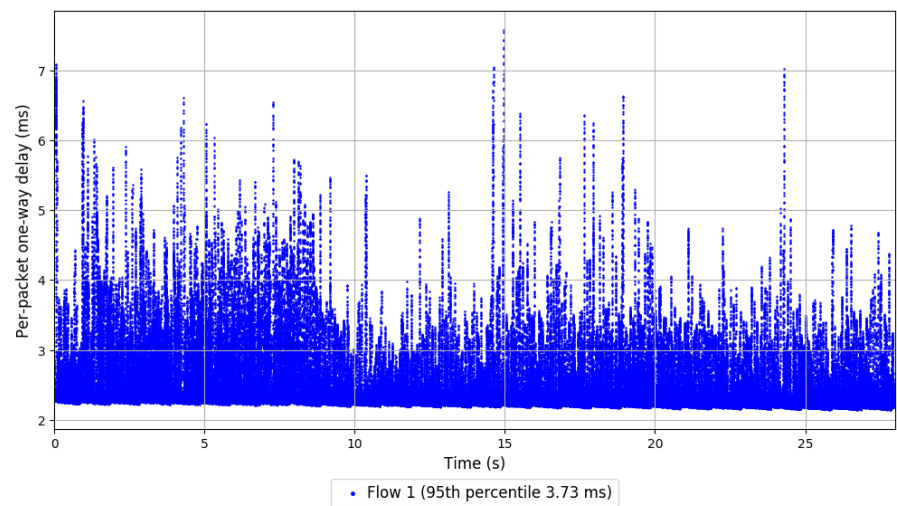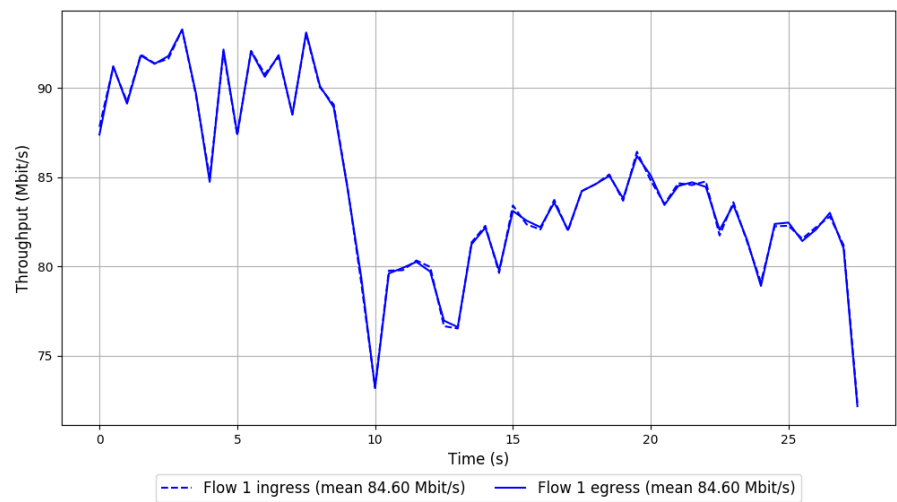
Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2018-01-08 19:52:27
End at: 2018-01-08 19:52:57
Local clock offset: 5.553 ms
Remote clock offset: 0.22 ms


# Below is generated by plot.py at 2018-01-09 01:03:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 4.315 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 4.315 ms
Loss rate: 0.01%
```
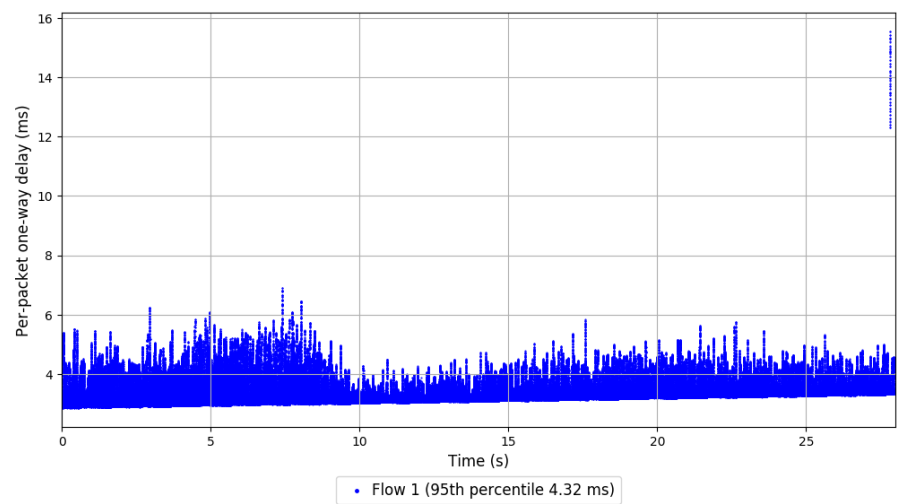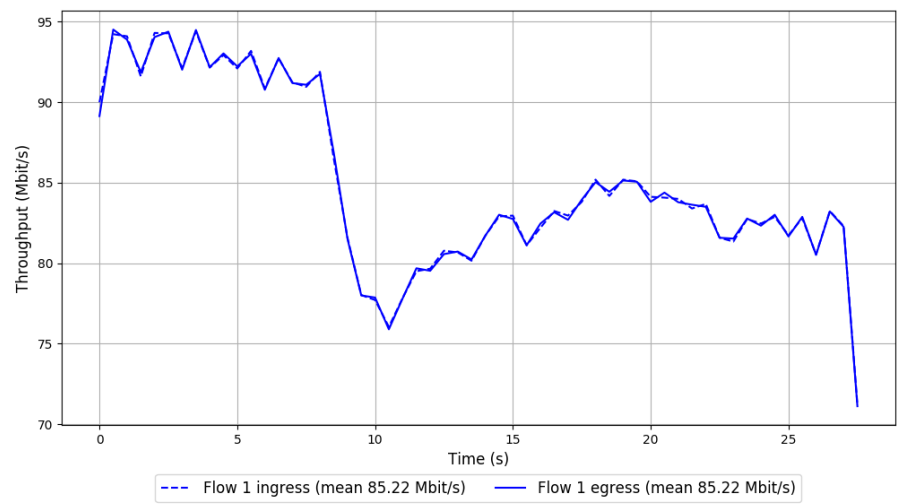
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 85.22 Mbit/s)   Flow 1 egress (mean 85.22 Mbit/s)

Flow 1 (95th percentile 4.32 ms)

```
Run 5: Statistics of Copa

Start at: 2018-01-08 20:09:23
End at: 2018-01-08 20:09:53
Local clock offset: -0.574 ms
Remote clock offset: 0.37 ms


# Below is generated by plot.py at 2018-01-09 01:03:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 3.567 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 3.567 ms
Loss rate: 0.02%
```
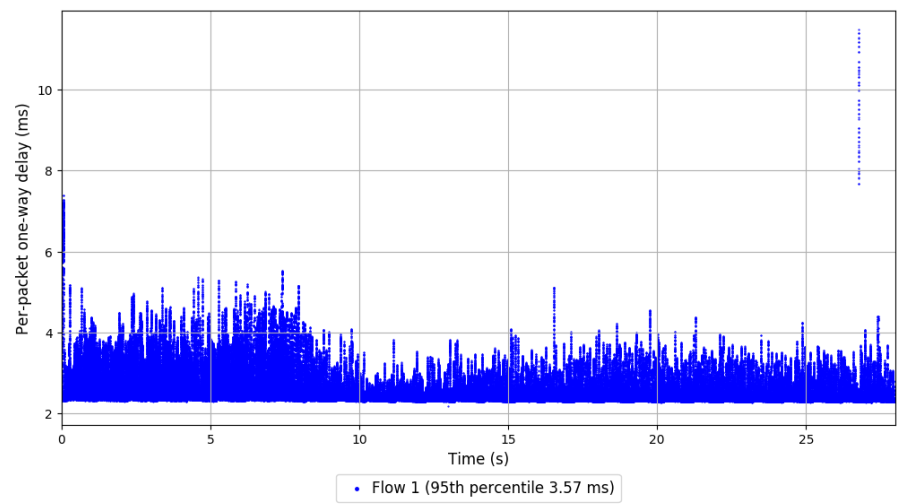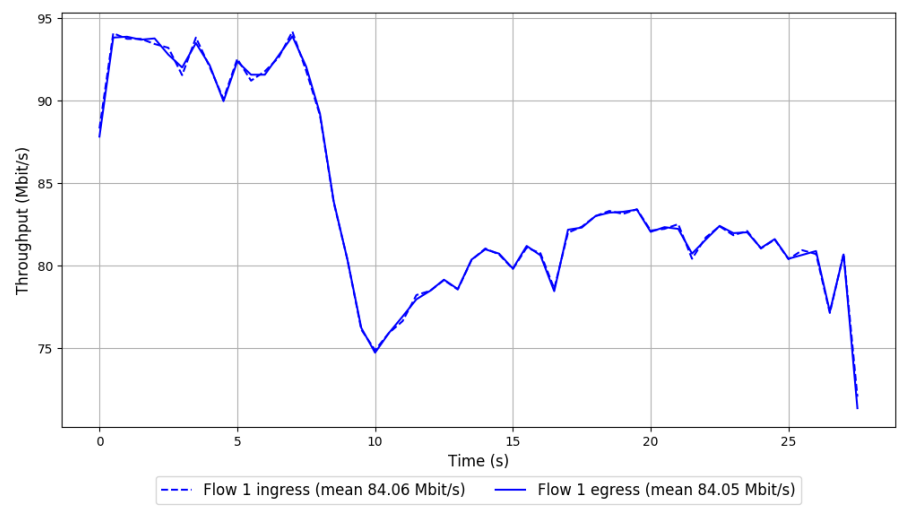
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-01-08 20:26:22
End at: 2018-01-08 20:26:52
Local clock offset: 0.365 ms
Remote clock offset: 0.545 ms


# Below is generated by plot.py at 2018-01-09 01:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 3.575 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 3.575 ms
Loss rate: 0.01%
```
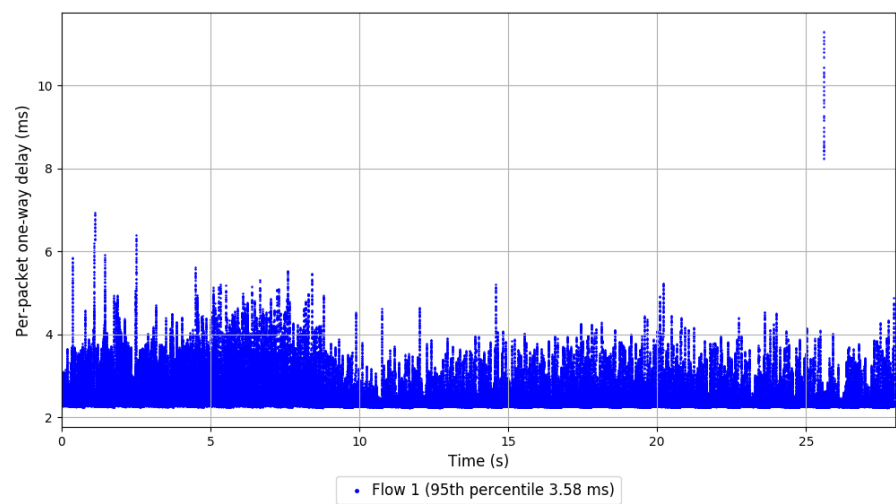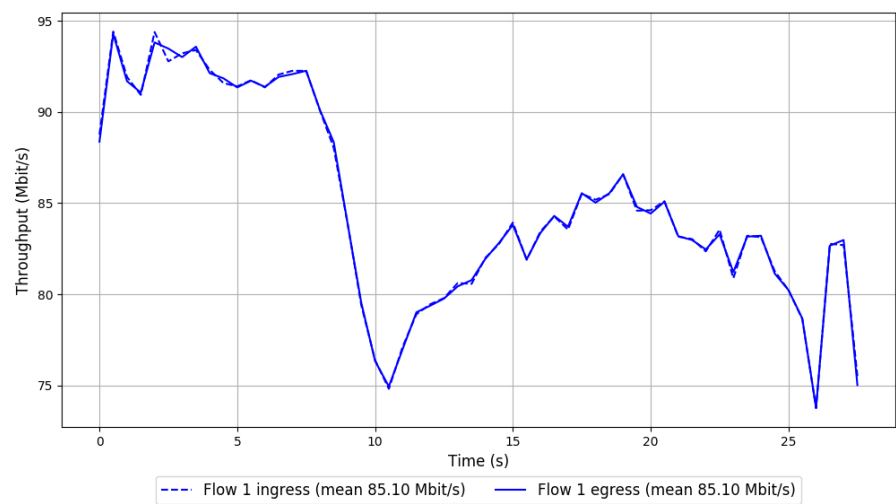
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2018-01-08 20:43:20
End at: 2018-01-08 20:43:50
Local clock offset: 0.668 ms
Remote clock offset: 0.506 ms


# Below is generated by plot.py at 2018-01-09 01:04:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 3.736 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 3.736 ms
Loss rate: 0.02%
```
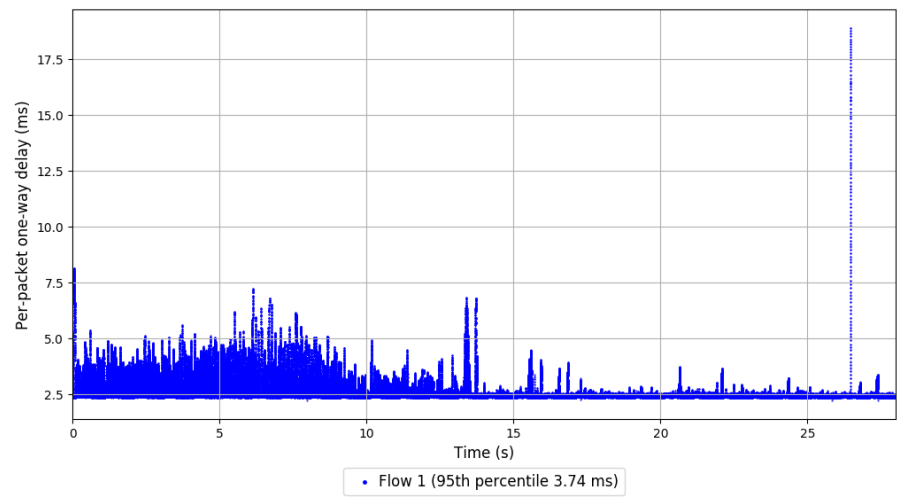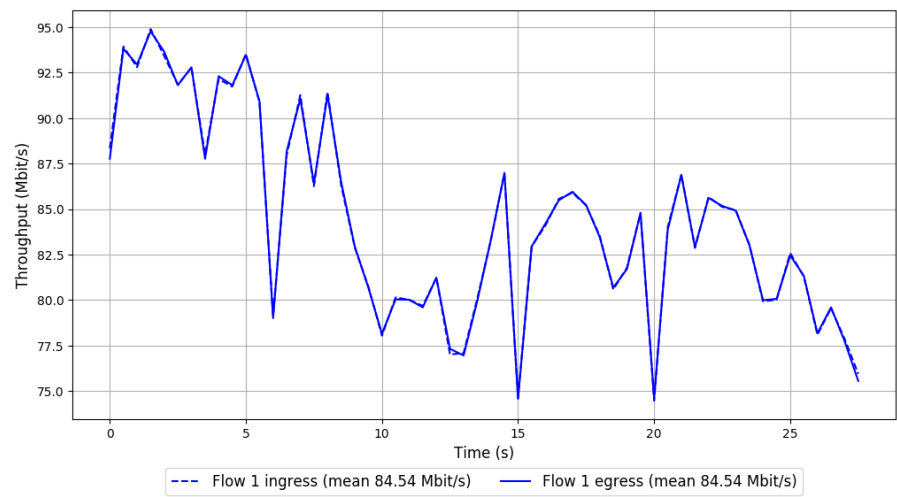
Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2018-01-08 21:00:16
End at: 2018-01-08 21:00:46
Local clock offset: 0.636 ms
Remote clock offset: 0.422 ms


# Below is generated by plot.py at 2018-01-09 01:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 3.762 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 3.762 ms
Loss rate: 0.02%
```
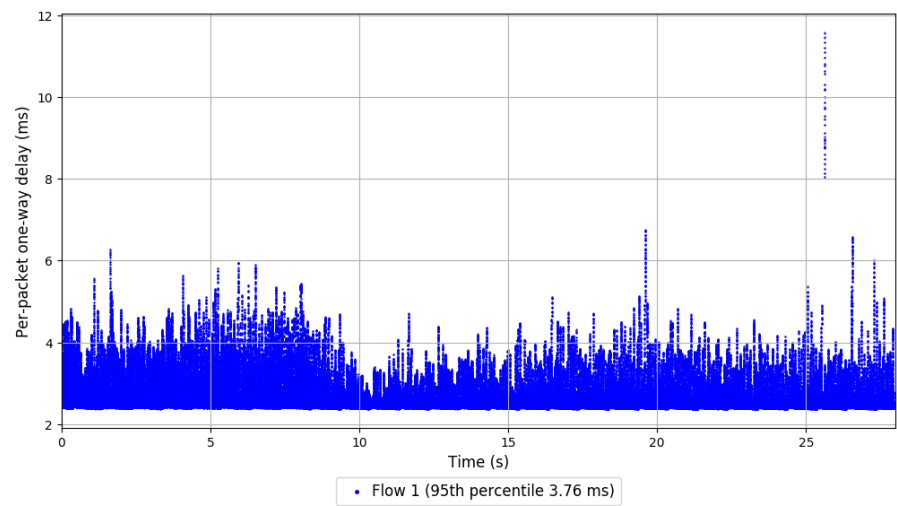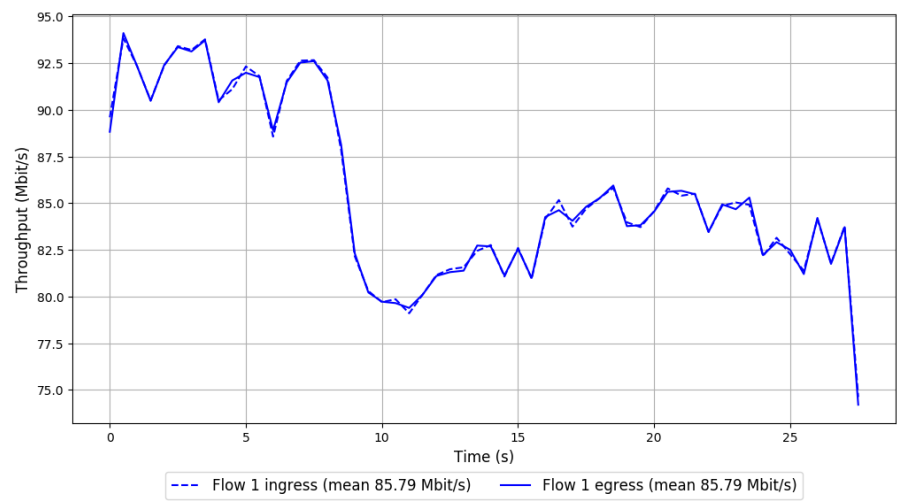
Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-01-08 21:17:13
End at: 2018-01-08 21:17:43
Local clock offset: 0.716 ms
Remote clock offset: 0.393 ms


# Below is generated by plot.py at 2018-01-09 01:07:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 3.790 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 3.790 ms
Loss rate: 0.02%
```
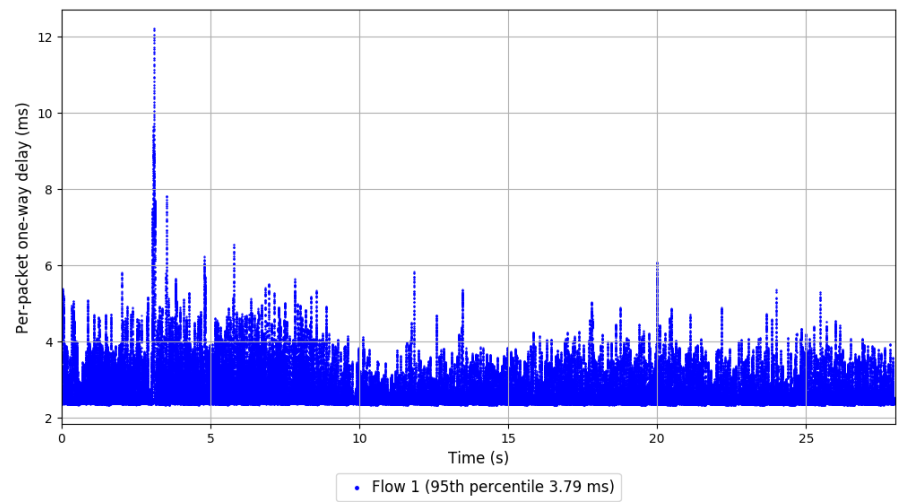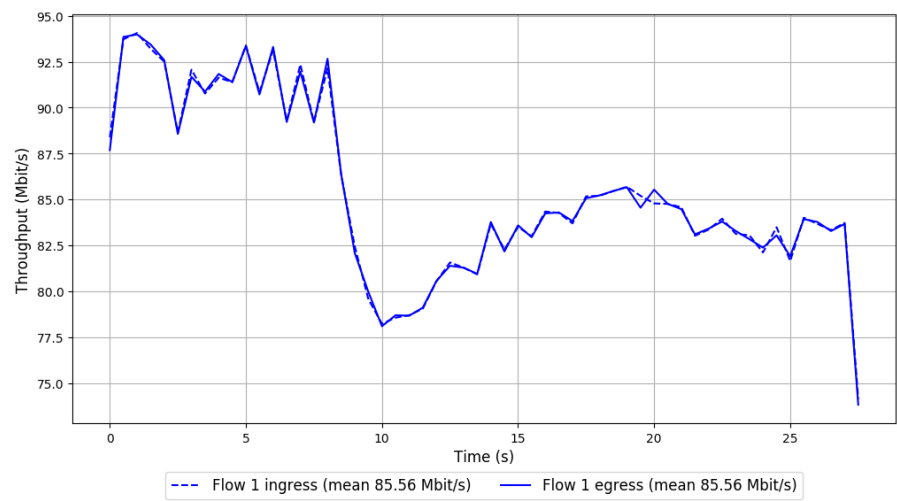
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 85.56 Mbit/s)   Flow 1 egress (mean 85.56 Mbit/s)

Flow 1 (95th percentile 3.79 ms)

```
Run 10: Statistics of Copa

Start at: 2018-01-08 21:34:11
End at: 2018-01-08 21:34:41
Local clock offset: 0.983 ms
Remote clock offset: 0.35 ms


# Below is generated by plot.py at 2018-01-09 01:07:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 3.728 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 3.728 ms
Loss rate: 0.01%
```
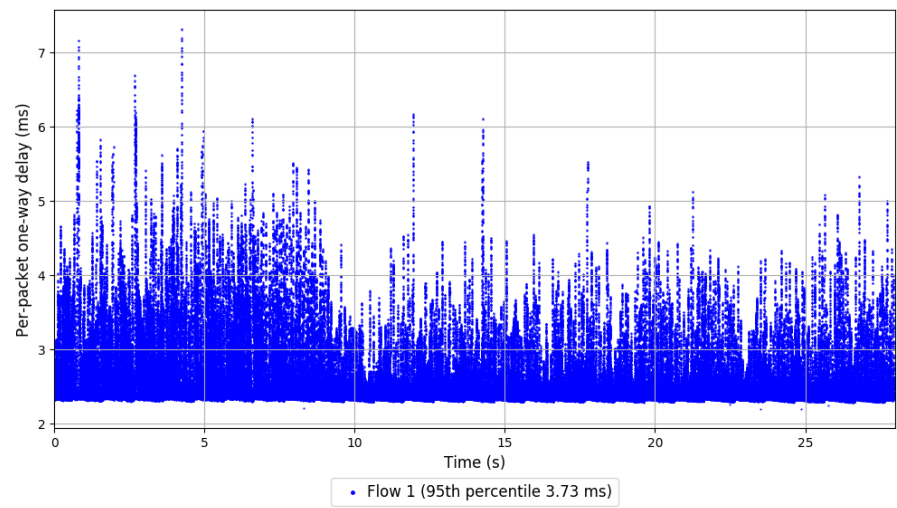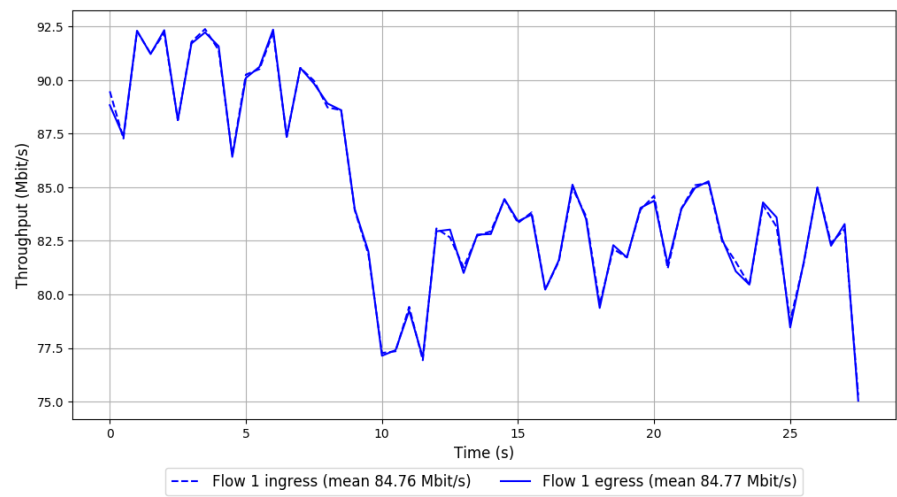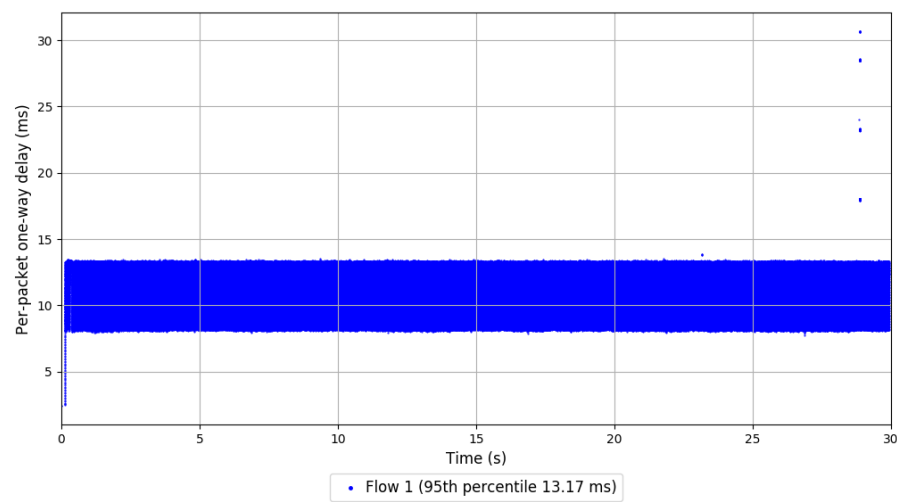
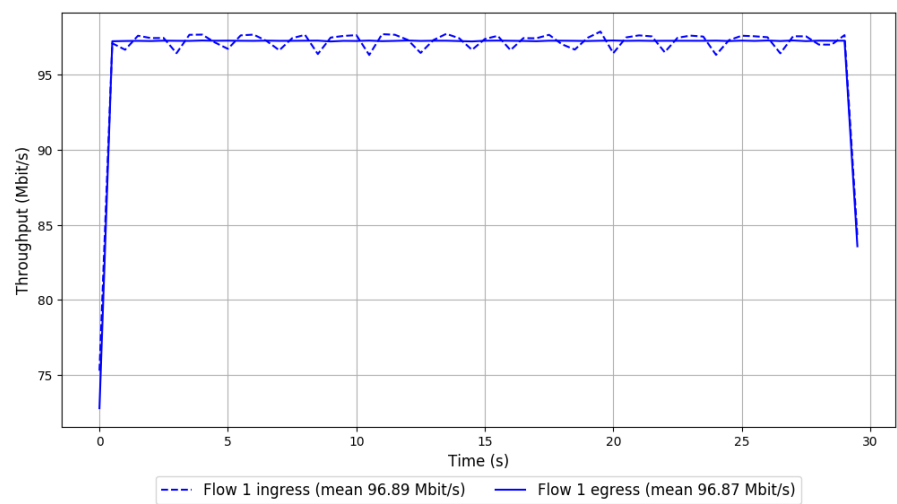## Run 10: Report of Copa — Data Link

```
Run 1: Statistics of FillP

Start at: 2018-01-08 19:03:55
End at: 2018-01-08 19:04:25
Local clock offset: 4.721 ms
Remote clock offset: -0.215 ms


# Below is generated by plot.py at 2018-01-09 01:07:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.172 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.172 ms
Loss rate: 0.05%
```
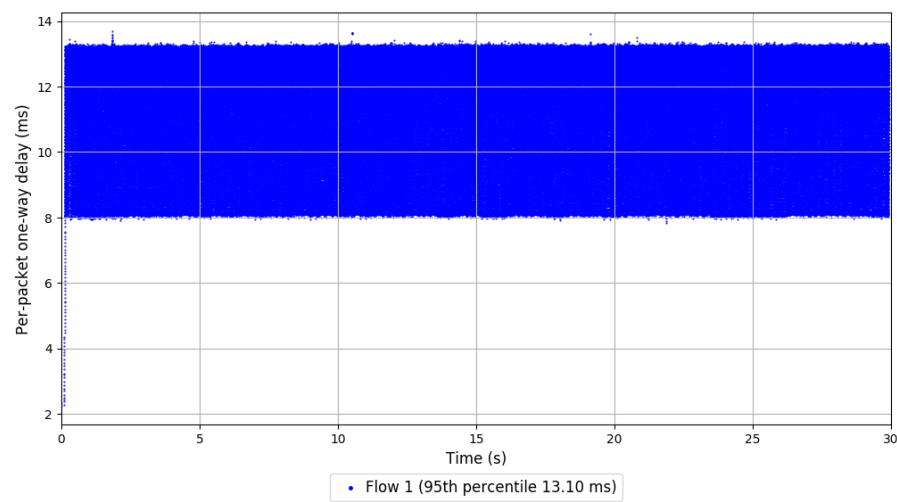
Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 96.89 Mbit/s)   Flow 1 egress (mean 96.87 Mbit/s)
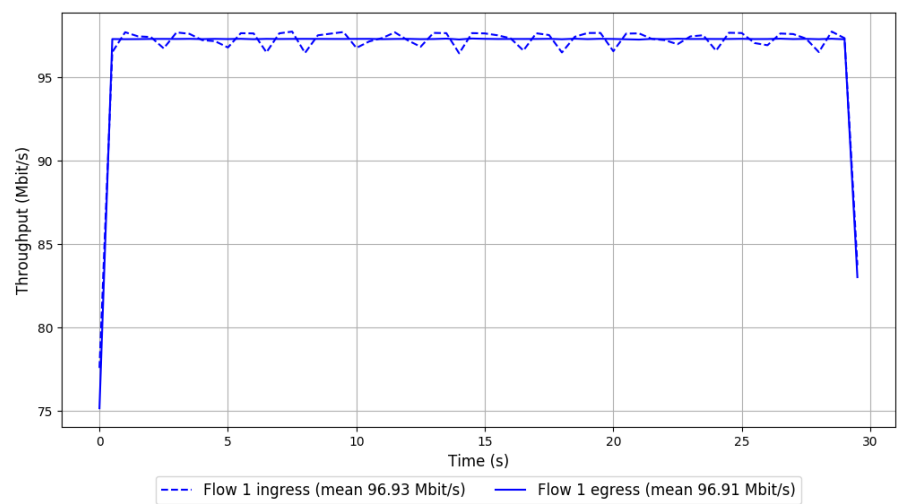

Flow 1 (95th percentile 13.17 ms)

```
Run 2: Statistics of FillP

Start at: 2018-01-08 19:20:52
End at: 2018-01-08 19:21:22
Local clock offset: 9.09 ms
Remote clock offset: -0.088 ms


# Below is generated by plot.py at 2018-01-09 01:07:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 13.095 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 13.095 ms
Loss rate: 0.05%
```

Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-01-08 19:37:49
End at: 2018-01-08 19:38:19
Local clock offset: 8.116 ms
Remote clock offset: 0.084 ms


# Below is generated by plot.py at 2018-01-09 01:07:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 12.958 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 12.958 ms
Loss rate: 0.04%
```
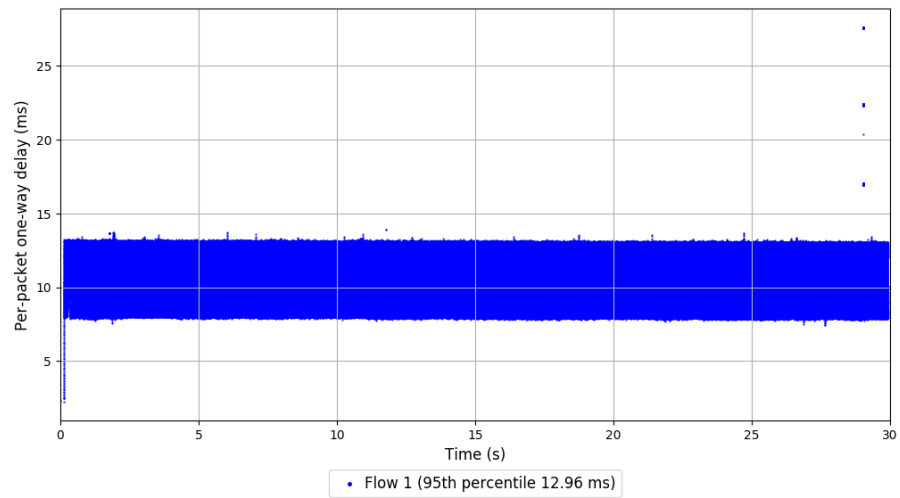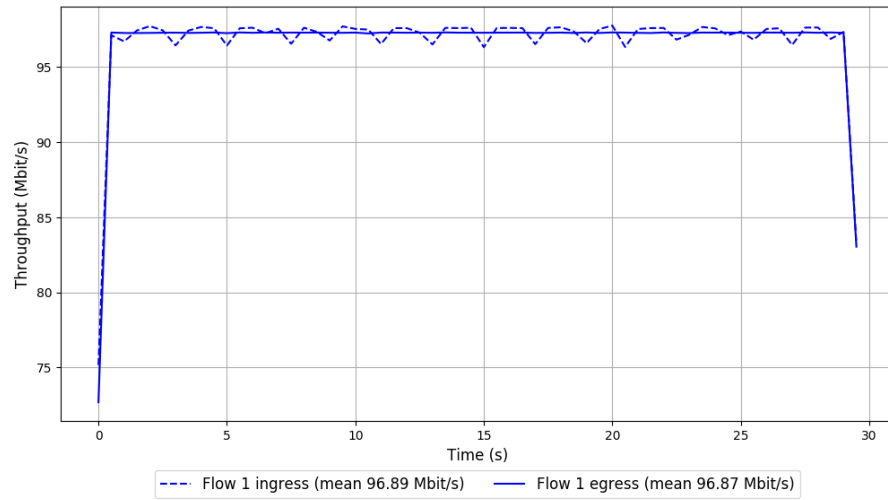
Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 96.89 Mbit/s) --- Flow 1 egress (mean 96.87 Mbit/s)

Flow 1 (95th percentile 12.96 ms)

```
Run 4: Statistics of FillP

Start at: 2018-01-08 19:54:48
End at: 2018-01-08 19:55:18
Local clock offset: 3.214 ms
Remote clock offset: 0.326 ms


# Below is generated by plot.py at 2018-01-09 01:07:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.669 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.669 ms
Loss rate: 0.05%
```
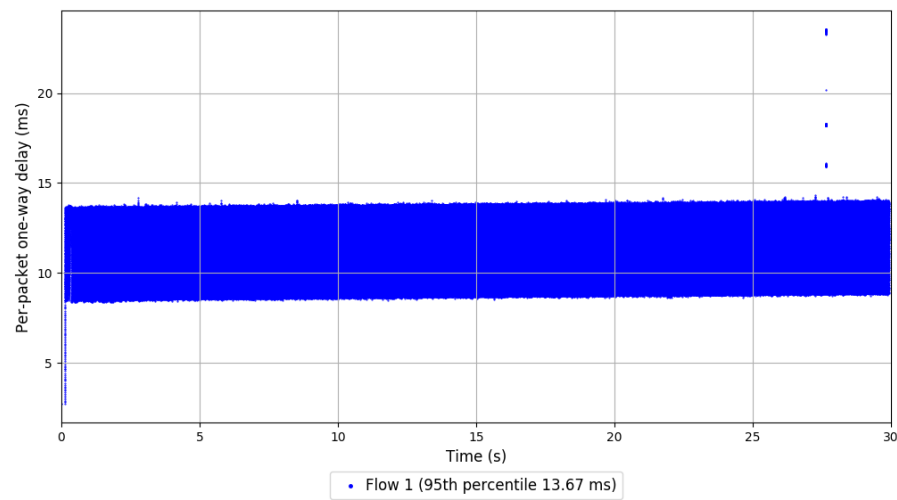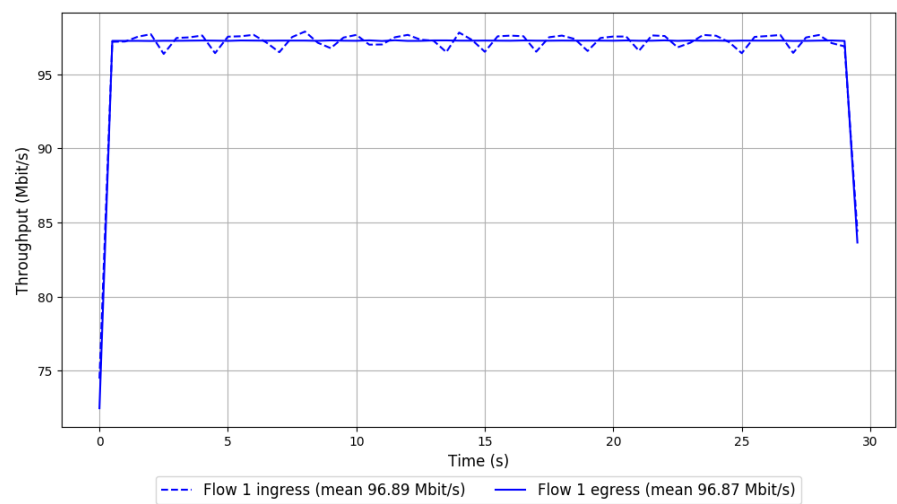
Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 96.89 Mbit/s) ----   Flow 1 egress (mean 96.87 Mbit/s) ——

• Flow 1 (95th percentile 13.67 ms)

```
Run 5: Statistics of FillP

Start at: 2018-01-08 20:11:43
End at: 2018-01-08 20:12:13
Local clock offset: -0.392 ms
Remote clock offset: 0.446 ms


# Below is generated by plot.py at 2018-01-09 01:07:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.067 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.067 ms
Loss rate: 0.06%
```
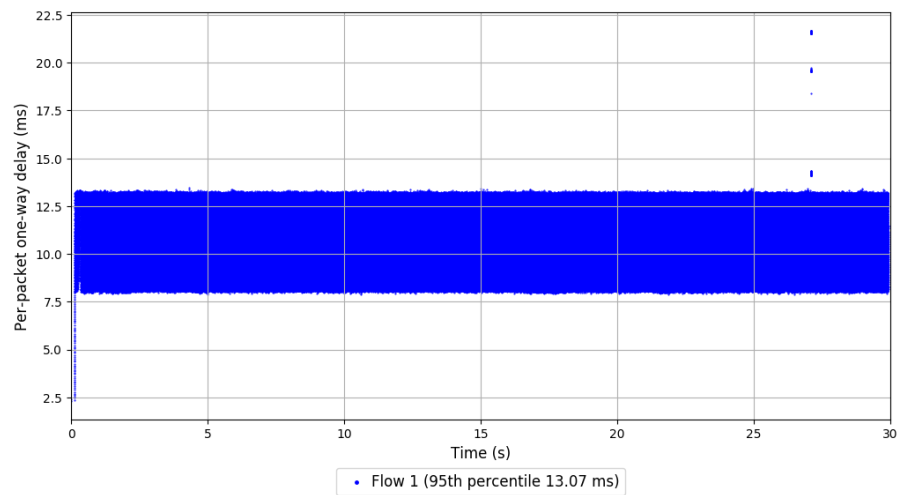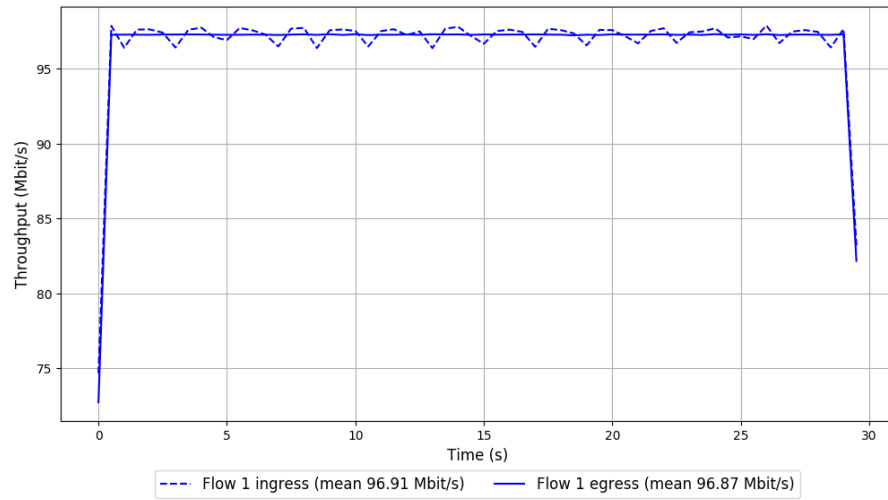
Run 5: Report of FillP — Data Link

```
Run 6: Statistics of FillP

Start at: 2018-01-08 20:28:43
End at: 2018-01-08 20:29:13
Local clock offset: 0.423 ms
Remote clock offset: 0.535 ms


# Below is generated by plot.py at 2018-01-09 01:07:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 13.050 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 13.050 ms
Loss rate: 0.05%
```
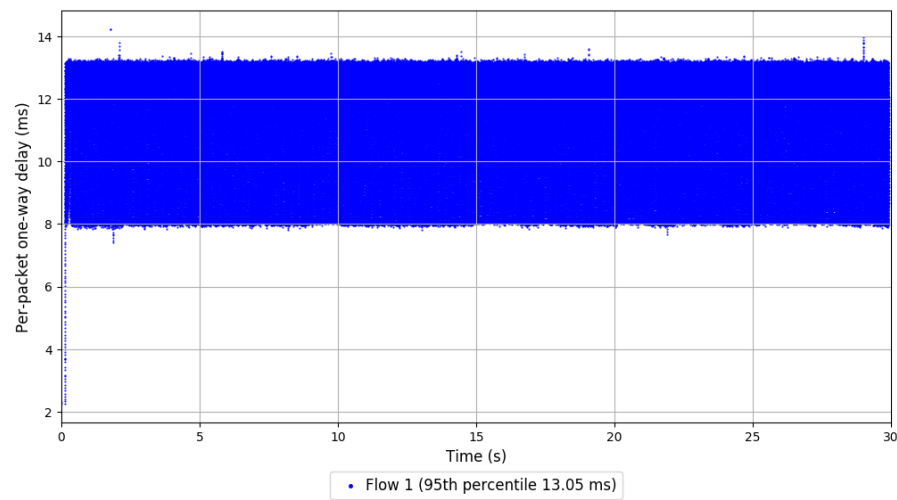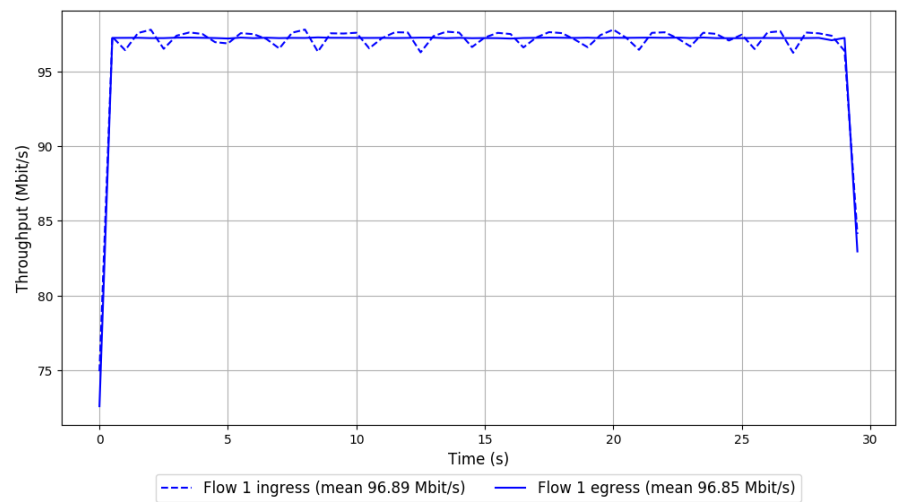
Run 6: Report of FillP — Data Link

```
Run 7: Statistics of FillP

Start at: 2018-01-08 20:45:40
End at: 2018-01-08 20:46:10
Local clock offset: 0.631 ms
Remote clock offset: 0.557 ms


# Below is generated by plot.py at 2018-01-09 01:09:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 13.018 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 13.018 ms
Loss rate: 0.05%
```
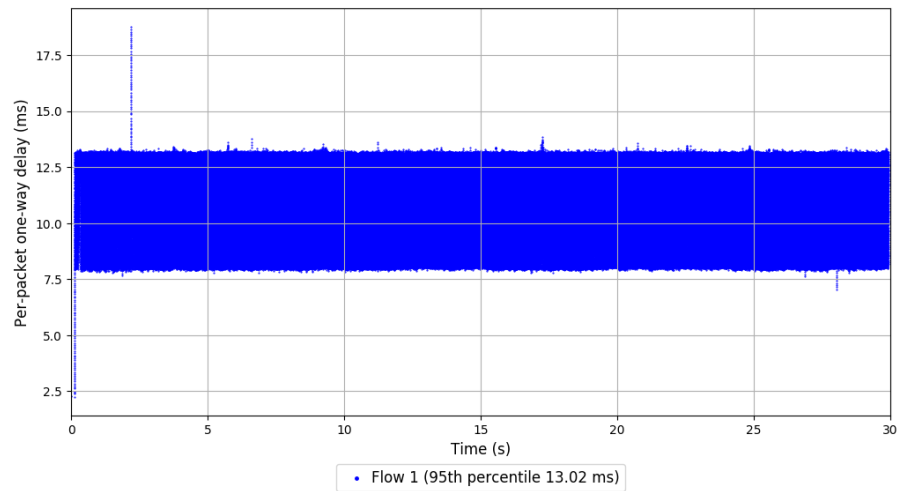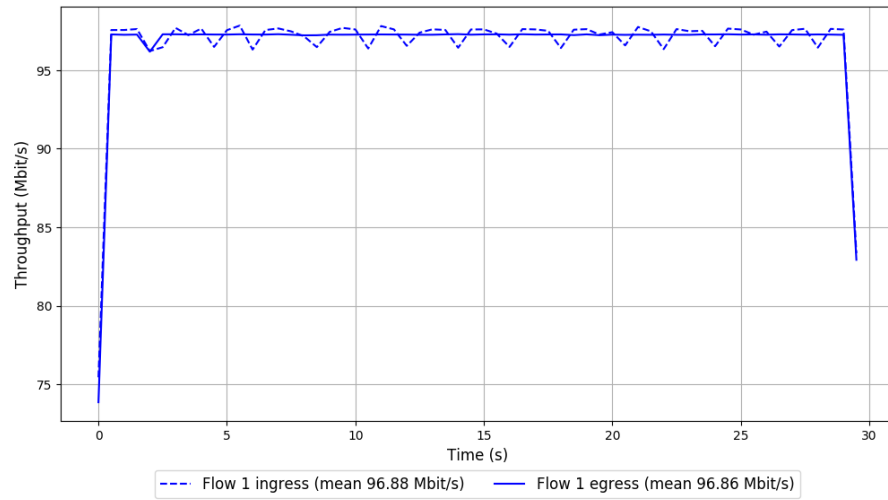
Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 96.88 Mbit/s) --- Flow 1 egress (mean 96.86 Mbit/s)

Flow 1 (95th percentile 13.02 ms)

257

```
Run 8: Statistics of FillP

Start at: 2018-01-08 21:02:36
End at: 2018-01-08 21:03:06
Local clock offset: 0.682 ms
Remote clock offset: 0.484 ms


# Below is generated by plot.py at 2018-01-09 01:09:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 13.116 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 13.116 ms
Loss rate: 0.05%
```
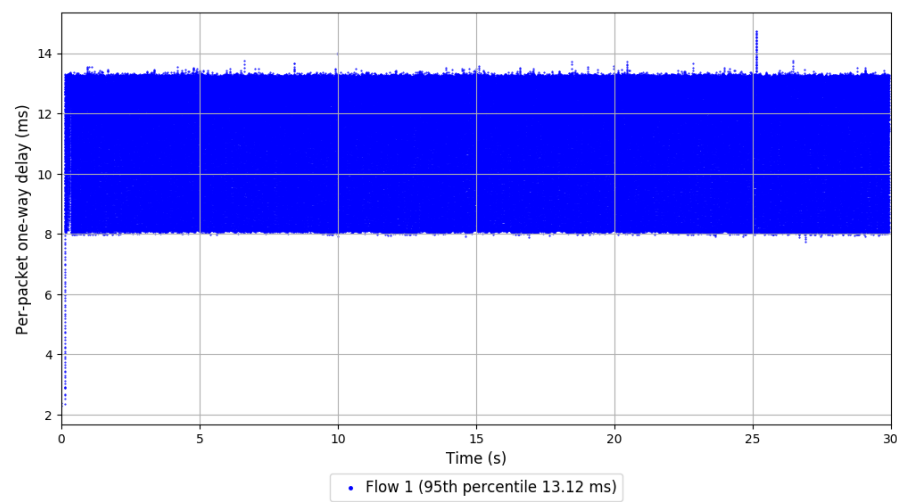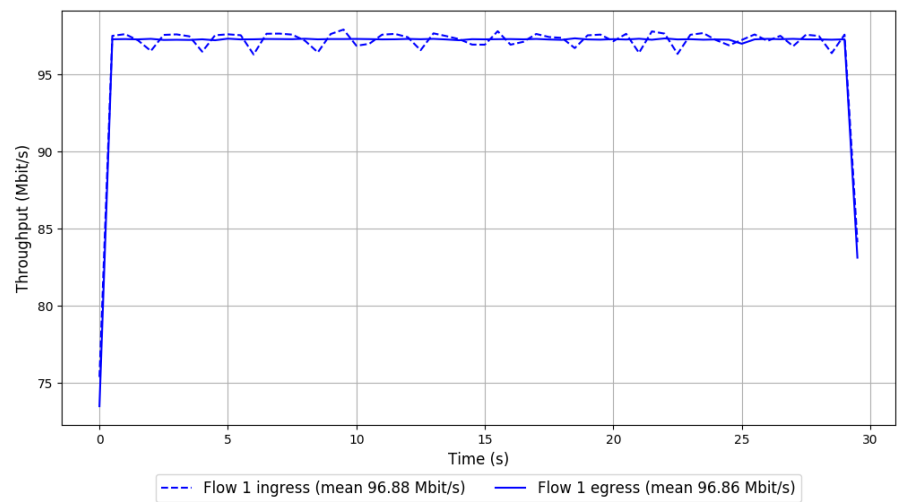
Run 8: Report of FillP — Data Link

```
Run 9: Statistics of FillP

Start at: 2018-01-08 21:19:33
End at: 2018-01-08 21:20:03
Local clock offset: 0.692 ms
Remote clock offset: 0.441 ms


# Below is generated by plot.py at 2018-01-09 01:09:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 13.005 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 13.005 ms
Loss rate: 0.05%
```
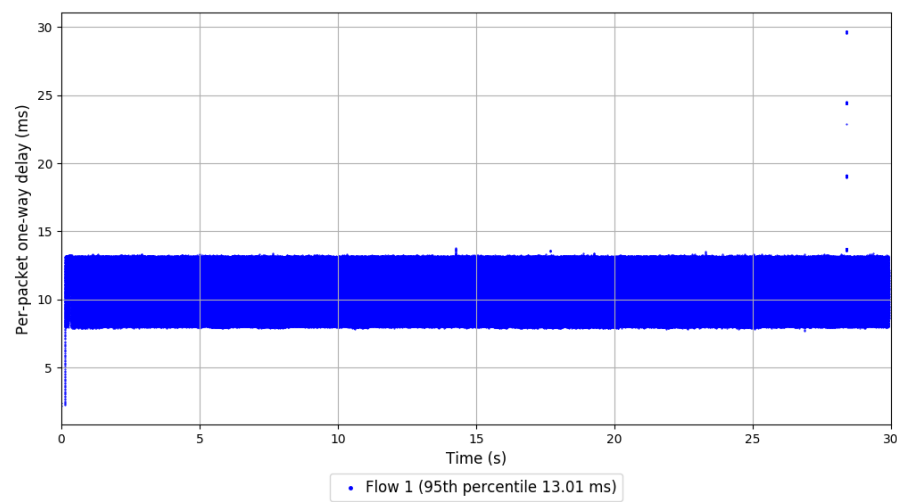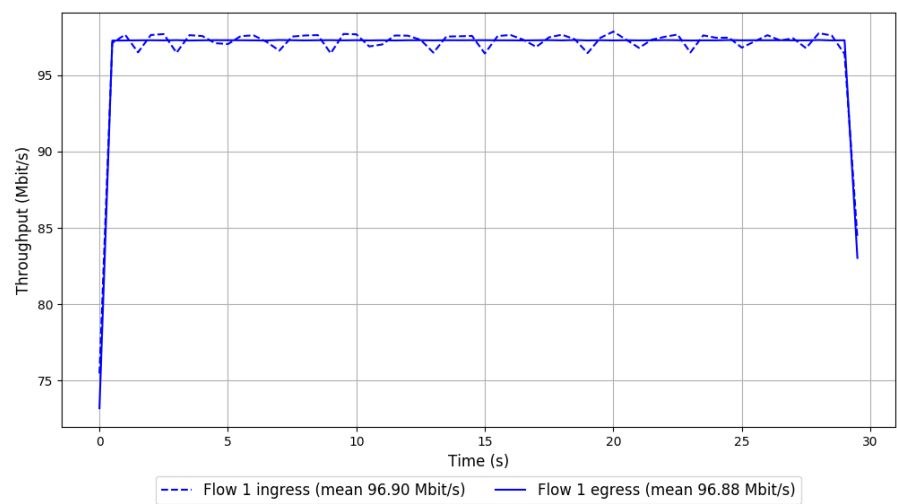
Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 96.90 Mbit/s) — — — Flow 1 egress (mean 96.88 Mbit/s)

Flow 1 (95th percentile 13.01 ms)

```
Run 10: Statistics of FillP

Start at: 2018-01-08 21:36:31
End at: 2018-01-08 21:37:01
Local clock offset: 1.023 ms
Remote clock offset: 0.271 ms


# Below is generated by plot.py at 2018-01-09 01:09:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 13.166 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 13.166 ms
Loss rate: 0.05%
```
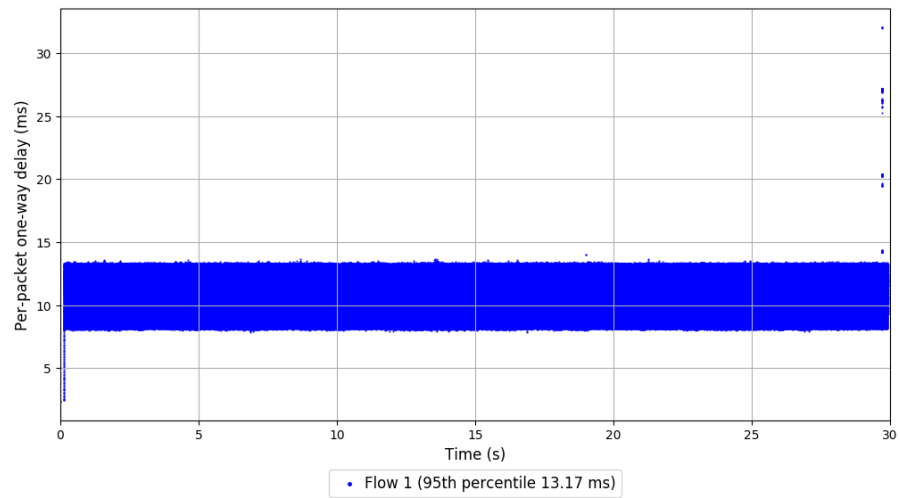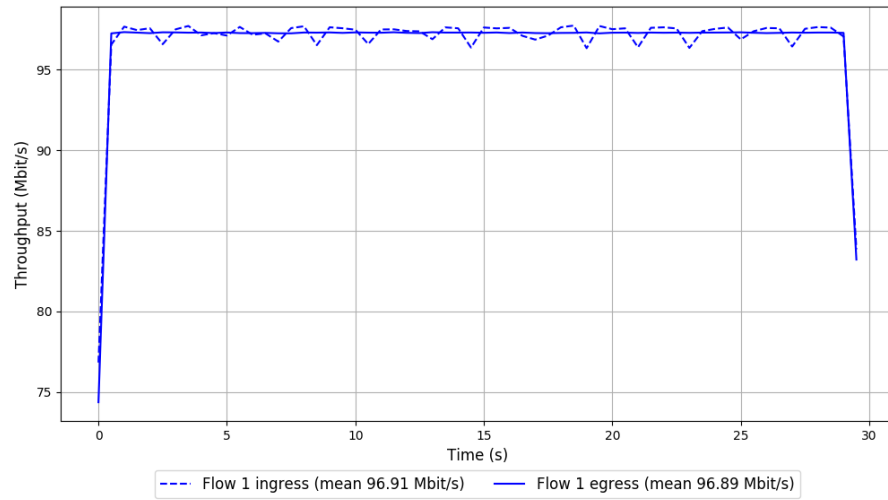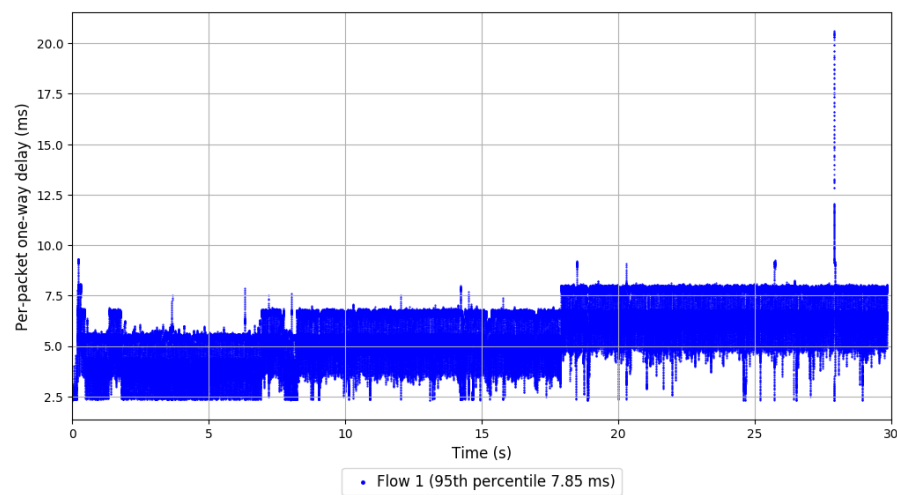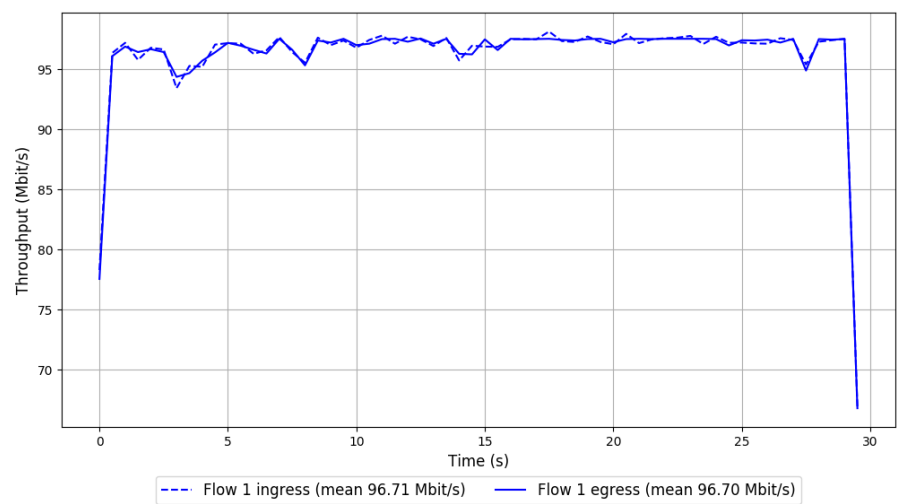
Run 10: Report of FillP — Data Link

```
Run 1: Statistics of Indigo

Start at: 2018-01-08 19:05:02
End at: 2018-01-08 19:05:32
Local clock offset: 4.732 ms
Remote clock offset: -0.22 ms


# Below is generated by plot.py at 2018-01-09 01:09:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 7.847 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 7.847 ms
Loss rate: 0.02%
```
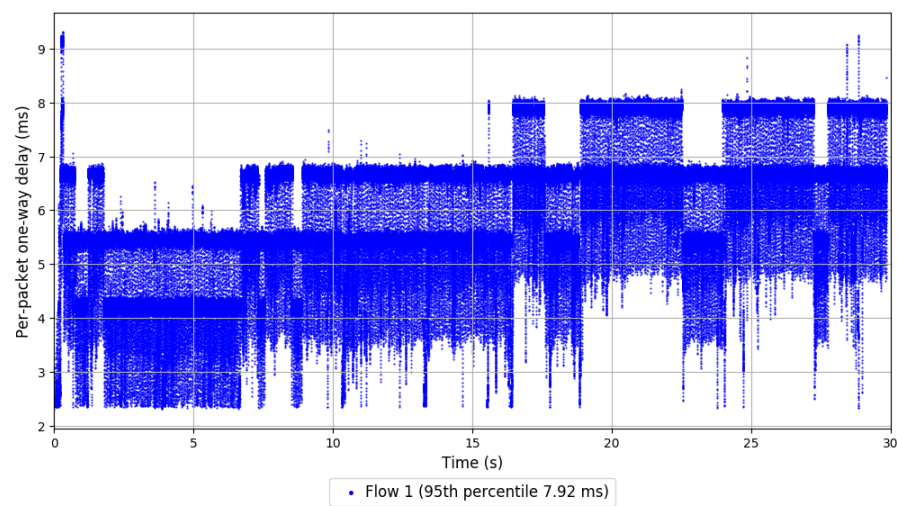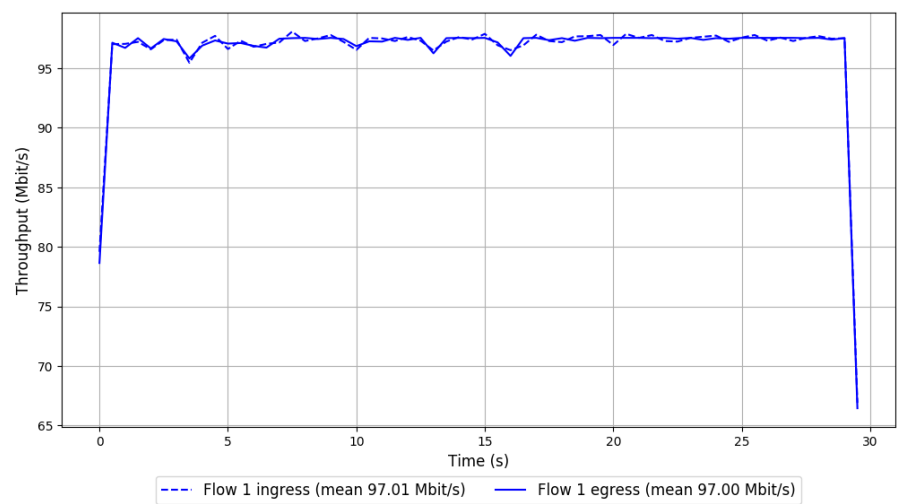
Run 1: Report of Indigo — Data Link

Flow 1 ingress (mean 96.71 Mbit/s) ----- Flow 1 egress (mean 96.70 Mbit/s)

• Flow 1 (95th percentile 7.85 ms)

```
Run 2: Statistics of Indigo

Start at: 2018-01-08 19:21:59
End at: 2018-01-08 19:22:30
Local clock offset: 9.135 ms
Remote clock offset: -0.008 ms


# Below is generated by plot.py at 2018-01-09 01:10:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 7.916 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 7.916 ms
Loss rate: 0.03%
```

Run 2: Report of Indigo — Data Link

Flow 1 ingress (mean 97.01 Mbit/s) Flow 1 egress (mean 97.00 Mbit/s)

• Flow 1 (95th percentile 7.92 ms)

```
Run 3: Statistics of Indigo

Start at: 2018-01-08 19:38:57
End at: 2018-01-08 19:39:27
Local clock offset: 8.382 ms
Remote clock offset: 0.152 ms


# Below is generated by plot.py at 2018-01-09 01:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 7.653 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 7.653 ms
Loss rate: 0.03%
```
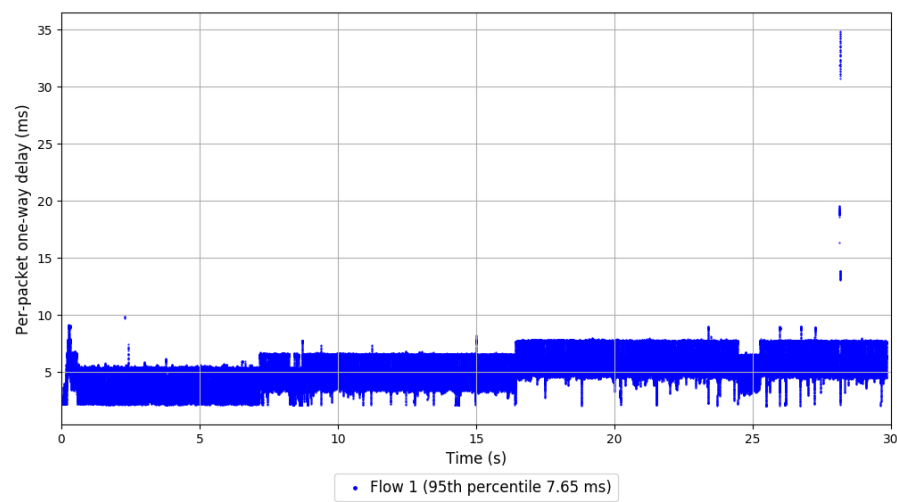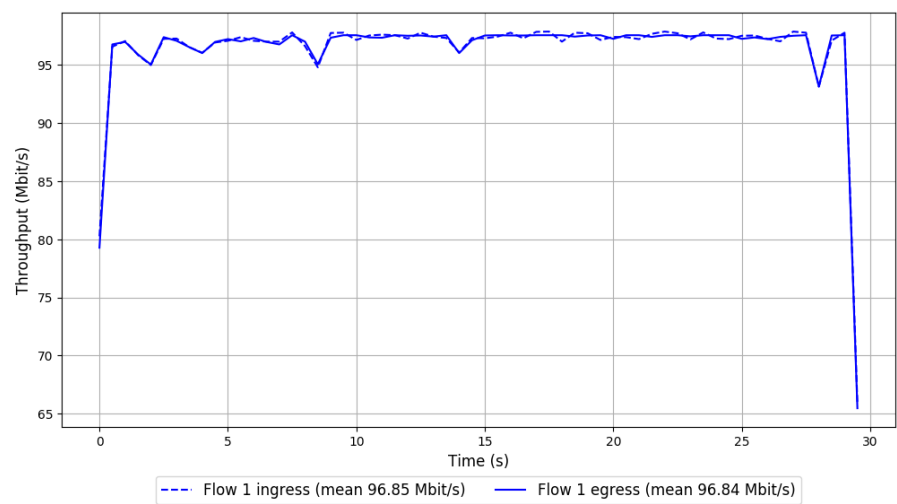
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2018-01-08 19:55:55
End at: 2018-01-08 19:56:25
Local clock offset: 2.364 ms
Remote clock offset: 0.34 ms


# Below is generated by plot.py at 2018-01-09 01:10:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 8.448 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 8.448 ms
Loss rate: 0.03%
```
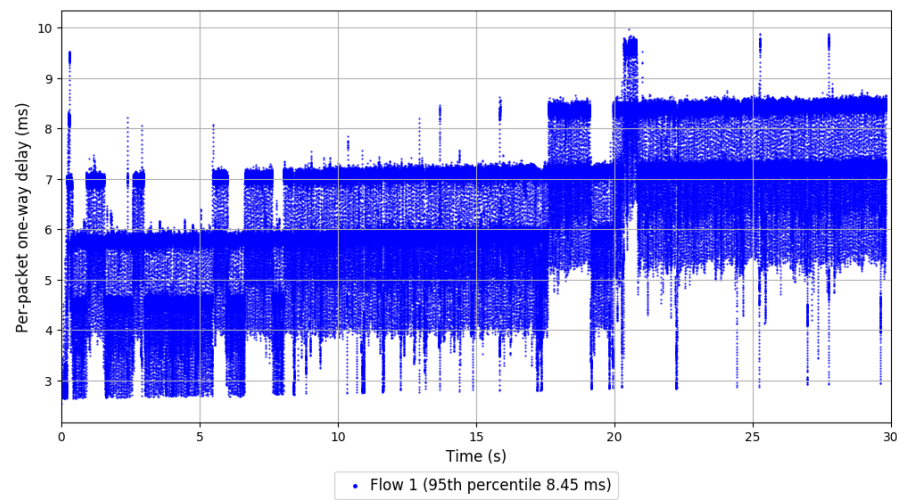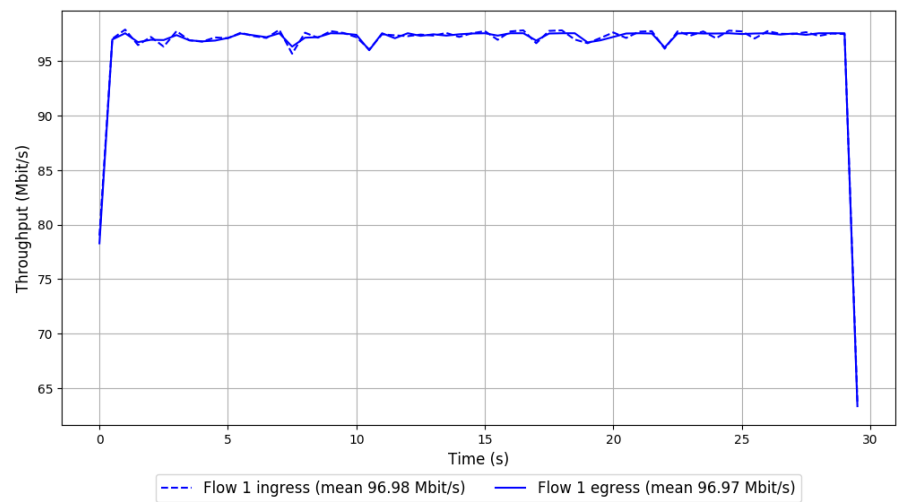
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2018-01-08 20:12:50
End at: 2018-01-08 20:13:20
Local clock offset: -0.35 ms
Remote clock offset: 0.454 ms


# Below is generated by plot.py at 2018-01-09 01:11:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 7.813 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 7.813 ms
Loss rate: 0.03%
```
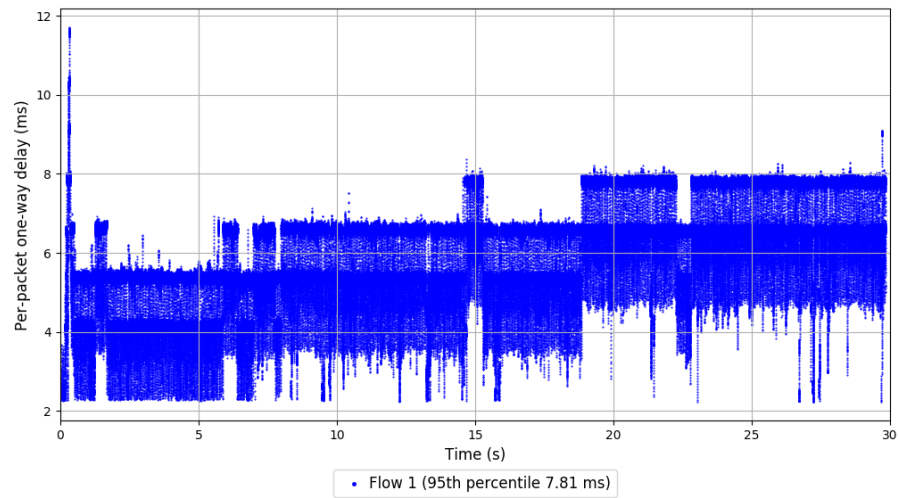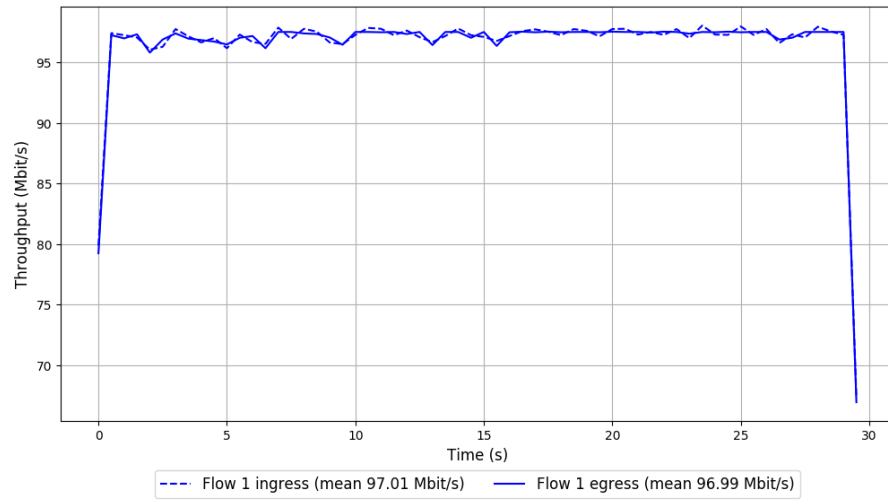
Run 5: Report of Indigo — Data Link

Flow 1 ingress (mean 97.01 Mbit/s) ----- Flow 1 egress (mean 96.99 Mbit/s)

Flow 1 (95th percentile 7.81 ms)

```
Run 6: Statistics of Indigo

Start at: 2018-01-08 20:29:50
End at: 2018-01-08 20:30:20
Local clock offset: 0.427 ms
Remote clock offset: 0.552 ms


# Below is generated by plot.py at 2018-01-09 01:11:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 8.074 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 8.074 ms
Loss rate: 0.04%
```
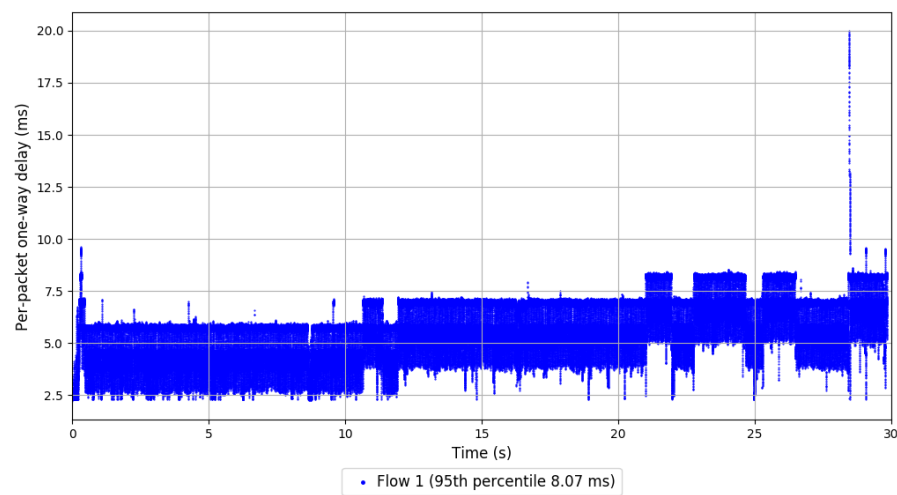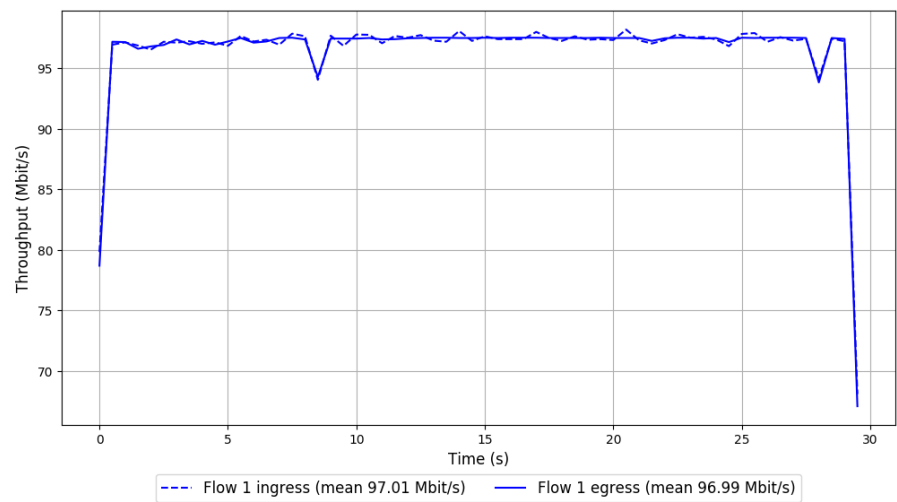
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2018-01-08 20:46:48
End at: 2018-01-08 20:47:18
Local clock offset: 0.691 ms
Remote clock offset: 0.549 ms


# Below is generated by plot.py at 2018-01-09 01:11:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 7.879 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 7.879 ms
Loss rate: 0.03%
```
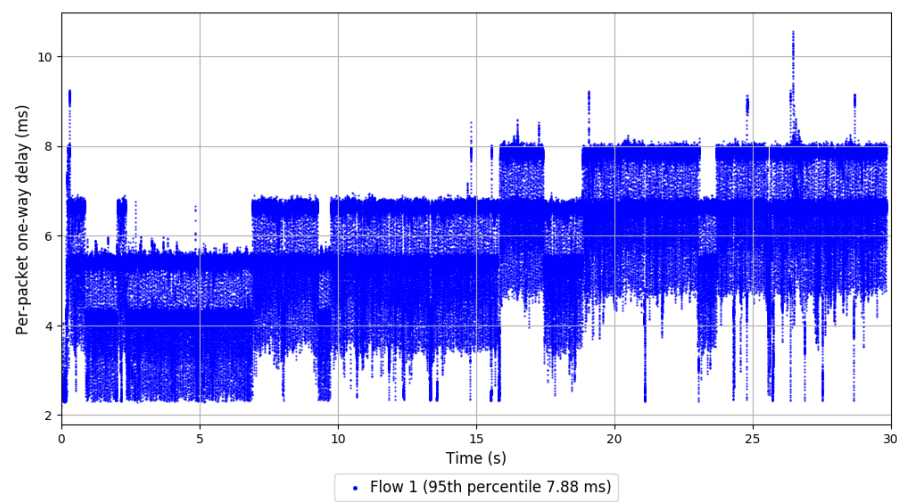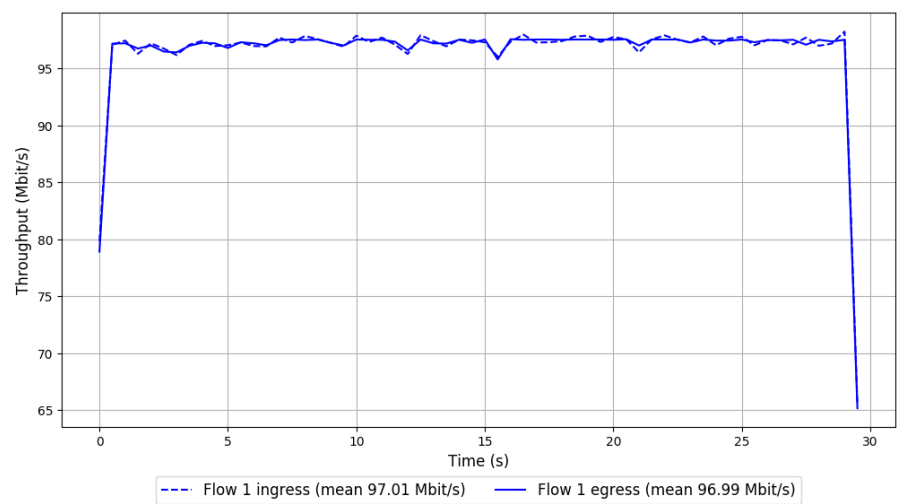
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-01-08 21:03:44
End at: 2018-01-08 21:04:14
Local clock offset: 0.646 ms
Remote clock offset: 0.479 ms


# Below is generated by plot.py at 2018-01-09 01:11:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 8.165 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 8.165 ms
Loss rate: 0.04%
```
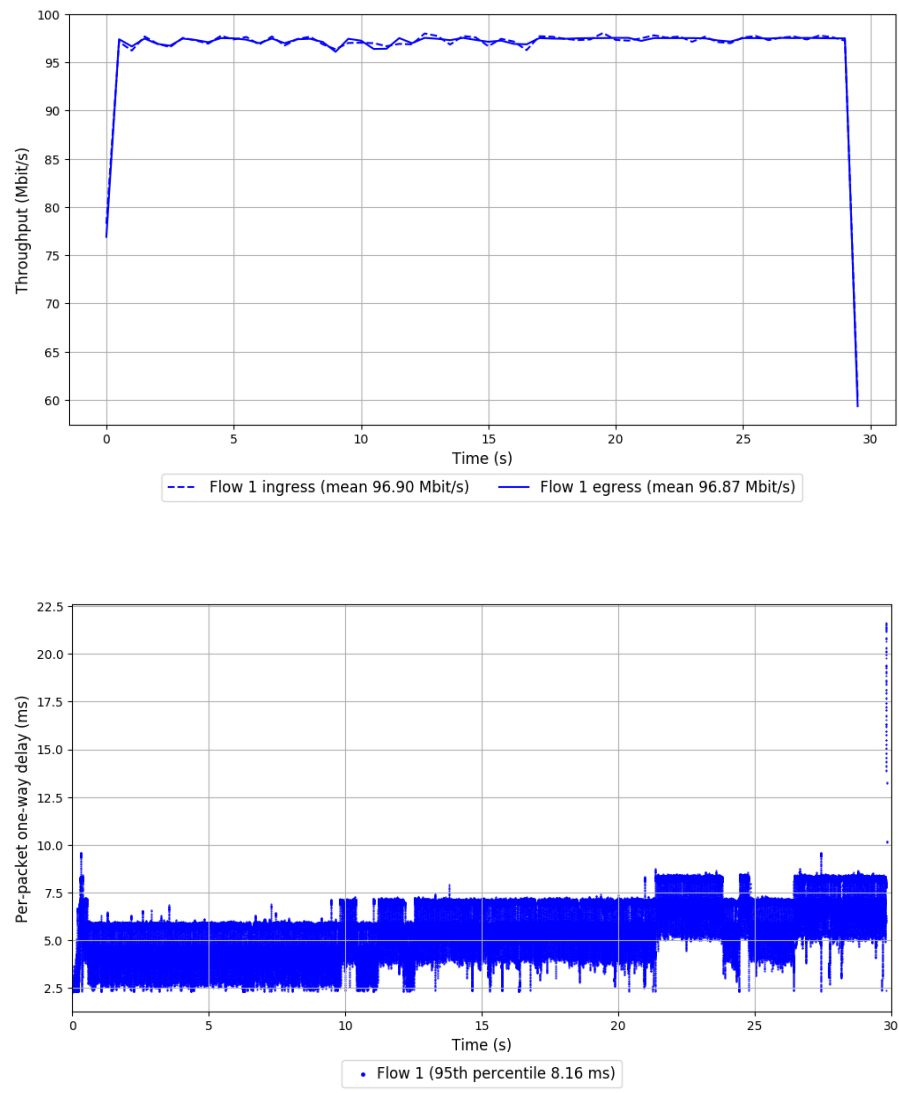
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2018-01-08 21:20:40
End at: 2018-01-08 21:21:10
Local clock offset: 0.782 ms
Remote clock offset: 0.397 ms


# Below is generated by plot.py at 2018-01-09 01:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 8.210 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 8.210 ms
Loss rate: 0.04%
```
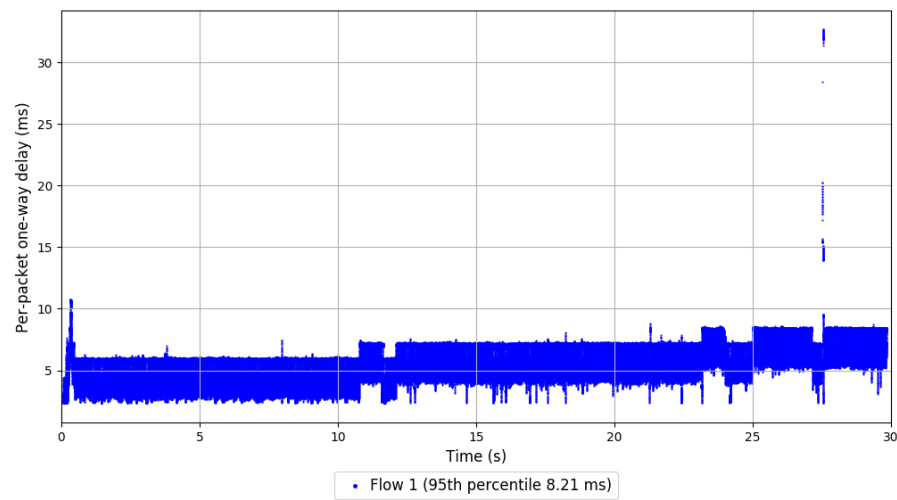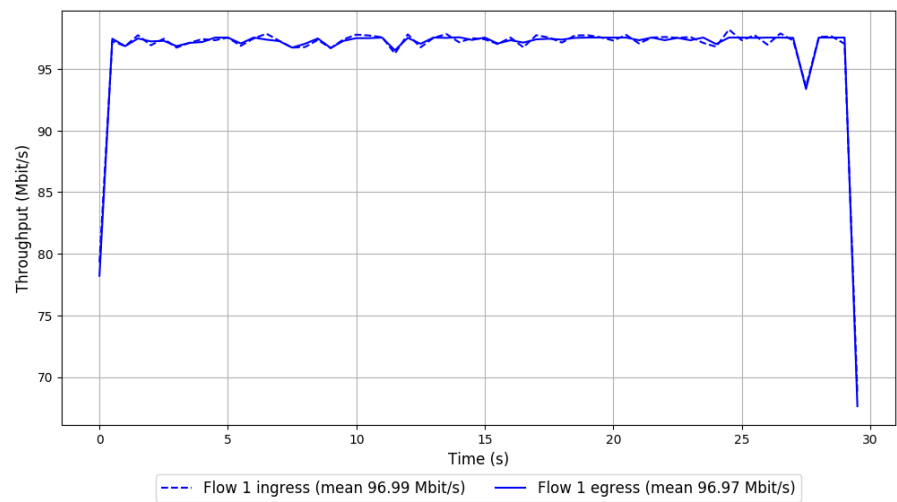
Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2018-01-08 21:37:39
End at: 2018-01-08 21:38:09
Local clock offset: 1.029 ms
Remote clock offset: 0.326 ms


# Below is generated by plot.py at 2018-01-09 01:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 7.215 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 7.215 ms
Loss rate: 0.02%
```

Run 10: Report of Indigo — Data Link

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

Flow 1 (95th percentile 7.21 ms)