Pantheon Report

Generated at 2017-09-03 09:21:34 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

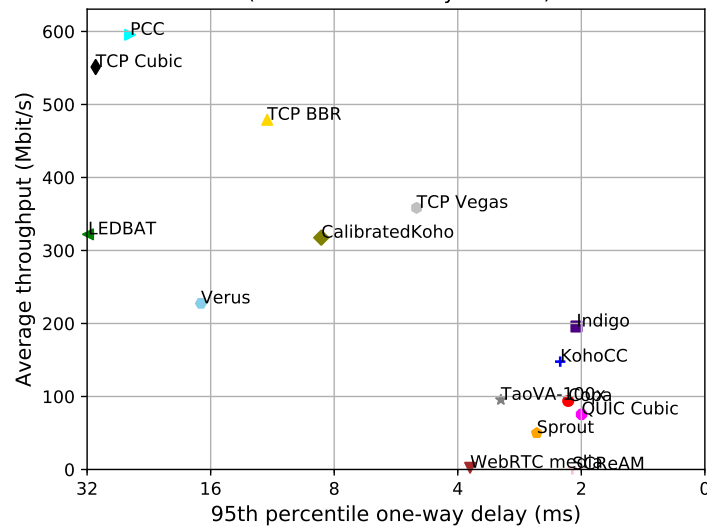Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

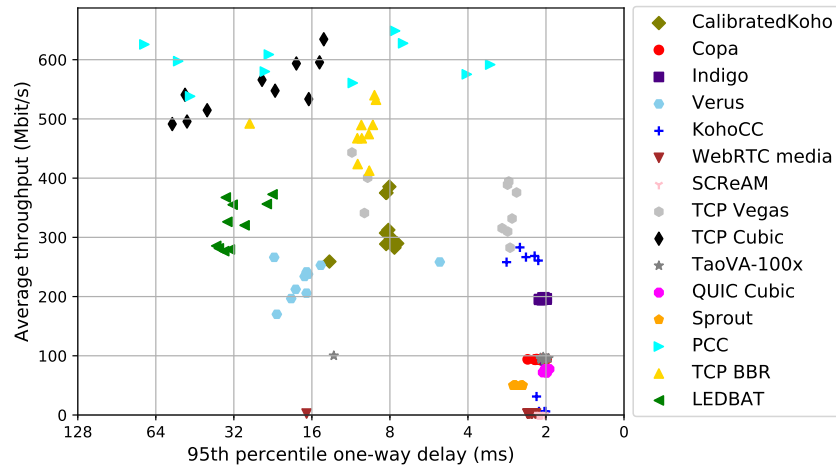NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 2a98508c2457474d84cd2966a42b80b0bc62ecaf
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 10192113fb6902d25c86e0e3e4c85d7a05e43d7e
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from 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	479.02	11.65	0.03
CalibratedKoho	10	317.49	8.60	0.04
Copa	10	93.88	2.15	0.01
TCP Cubic	10	551.30	30.50	0.04
Indigo	10	195.88	2.06	0.02
KohoCC	10	147.76	2.25	0.01
LEDBAT	10	322.11	31.83	0.08
PCC	10	595.43	25.14	0.97
QUIC Cubic	10	75.49	2.00	0.02
SCReAM	10	0.22	2.10	0.00
Sprout	9	50.00	2.57	0.00
TaoVA-100x	10	95.48	3.14	0.03
TCP Vegas	10	358.36	5.04	0.01
Verus	10	227.56	16.90	0.14
WebRTC media	10	2.34	3.73	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2017-09-03 00:57:27
End at: 2017-09-03 00:57:57
Local clock offset: -2.249 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2017-09-03 08:42:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 423.81 Mbit/s
95th percentile per-packet one-way delay: 10.653 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 423.81 Mbit/s
95th percentile per-packet one-way delay: 10.653 ms
Loss rate: 0.03%
```
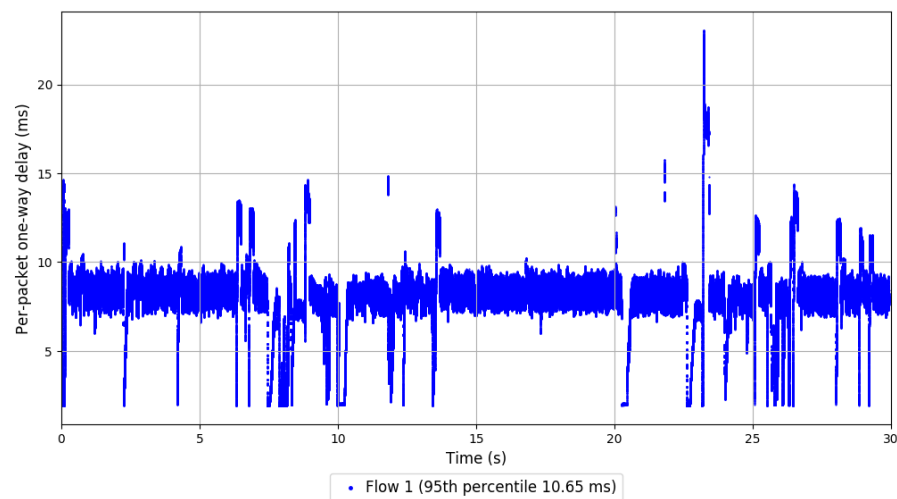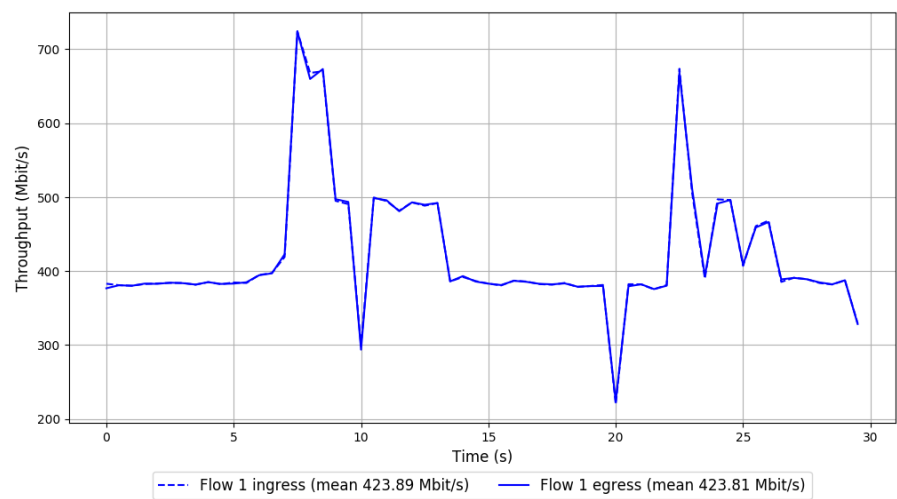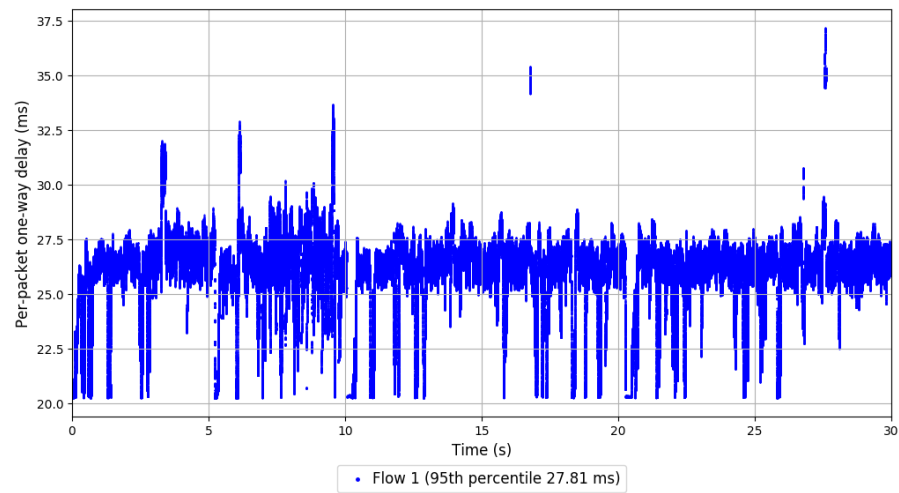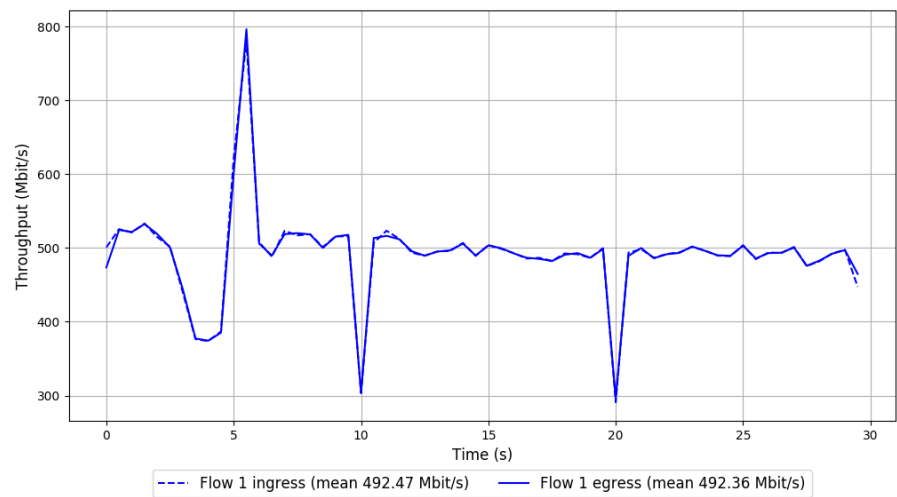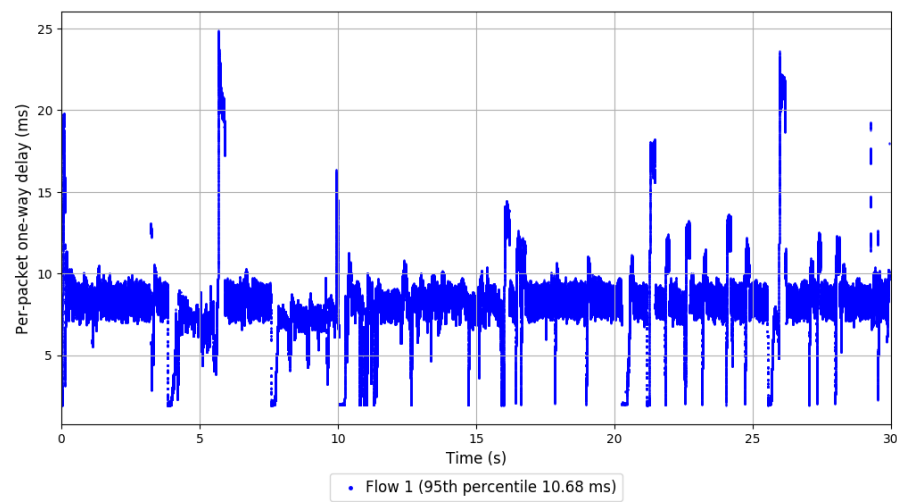
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2017-09-03 01:16:21
End at: 2017-09-03 01:16:51
Local clock offset: -2.34 ms
Remote clock offset: -17.942 ms


# Below is generated by plot.py at 2017-09-03 08:42:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 492.36 Mbit/s
95th percentile per-packet one-way delay: 27.808 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 492.36 Mbit/s
95th percentile per-packet one-way delay: 27.808 ms
Loss rate: 0.03%
```
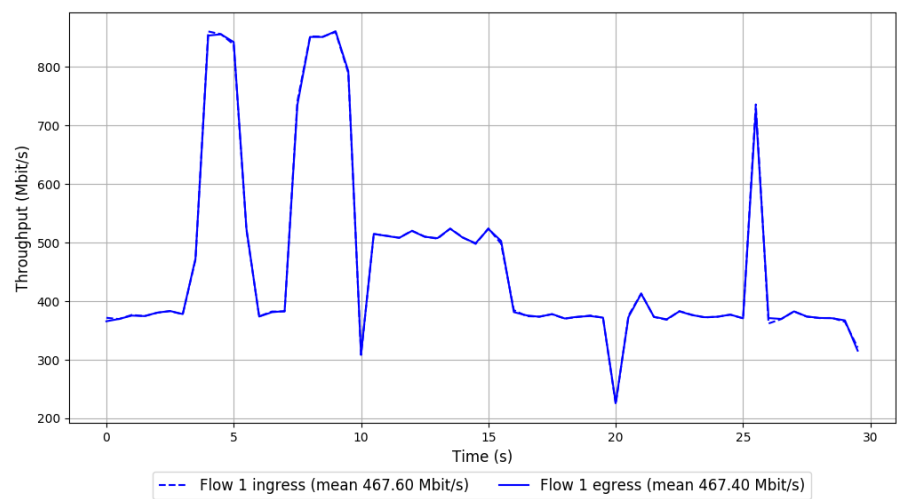
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 492.47 Mbit/s)   Flow 1 egress (mean 492.36 Mbit/s)

Flow 1 (95th percentile 27.81 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2017-09-03 01:35:30
End at: 2017-09-03 01:36:00
Local clock offset: -2.894 ms
Remote clock offset: 0.632 ms


# Below is generated by plot.py at 2017-09-03 08:43:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 467.40 Mbit/s
95th percentile per-packet one-way delay: 10.682 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 467.40 Mbit/s
95th percentile per-packet one-way delay: 10.682 ms
Loss rate: 0.03%
```
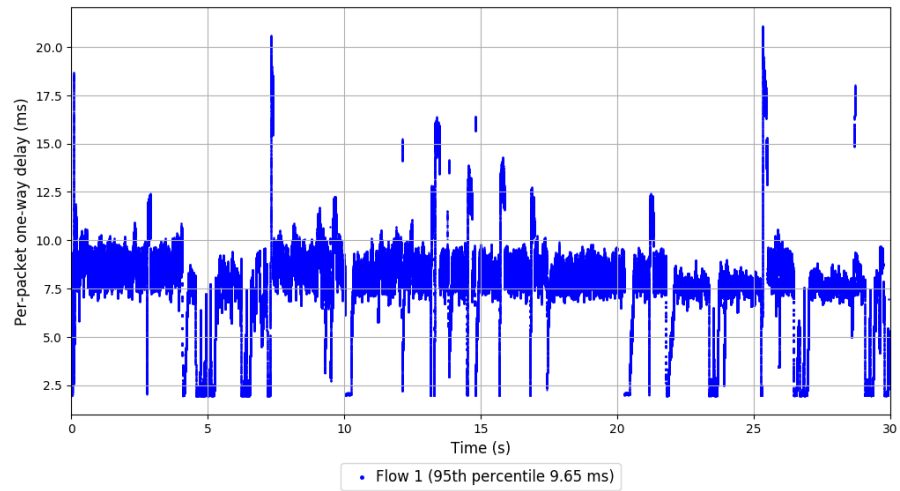
Run 3: Report of TCP BBR — Data Link

```
Run 4: Statistics of TCP BBR

Start at: 2017-09-03 01:54:16
End at: 2017-09-03 01:54:46
Local clock offset: -3.308 ms
Remote clock offset: 0.872 ms


# Below is generated by plot.py at 2017-09-03 08:43:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 474.43 Mbit/s
95th percentile per-packet one-way delay: 9.654 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 474.43 Mbit/s
95th percentile per-packet one-way delay: 9.654 ms
Loss rate: 0.05%
```
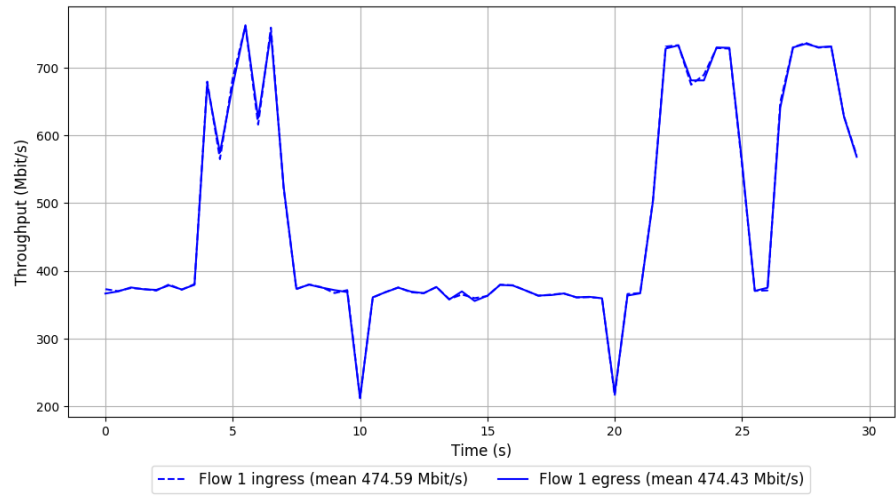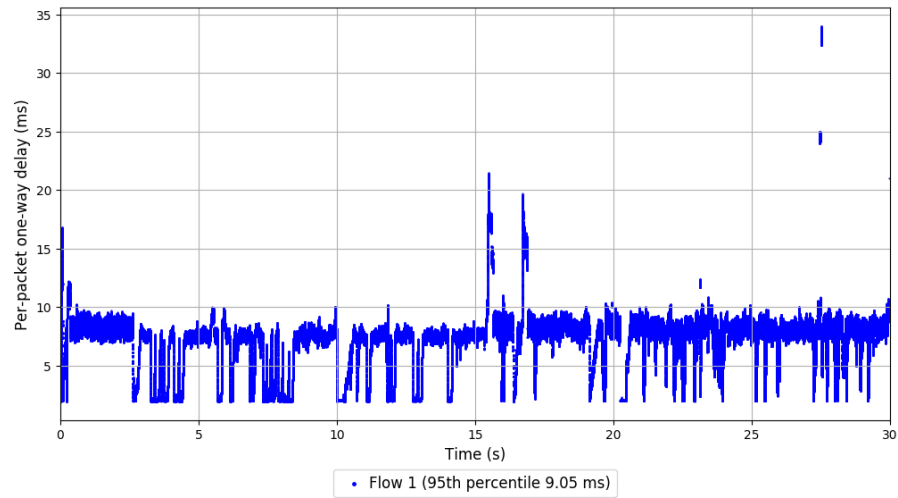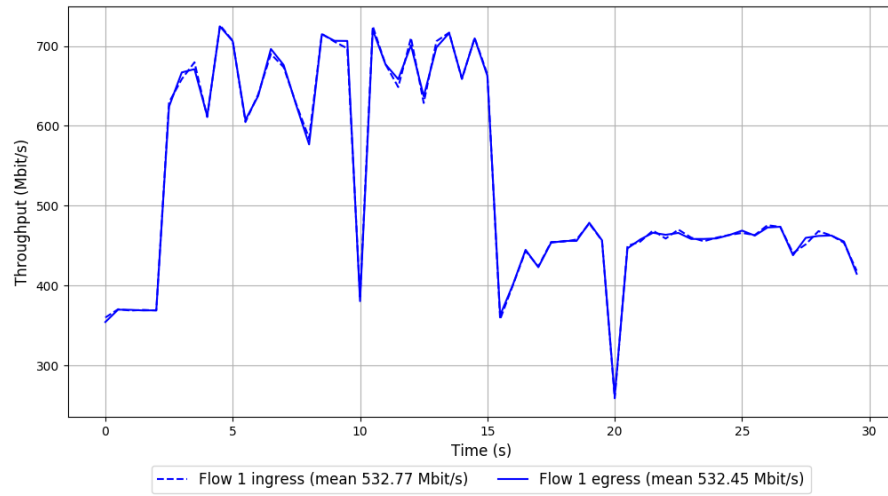
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 474.59 Mbit/s)   Flow 1 egress (mean 474.43 Mbit/s)

• Flow 1 (95th percentile 9.65 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2017-09-03 02:13:29
End at: 2017-09-03 02:13:59
Local clock offset: -3.609 ms
Remote clock offset: 0.835 ms


# Below is generated by plot.py at 2017-09-03 08:44:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 532.45 Mbit/s
95th percentile per-packet one-way delay: 9.054 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 532.45 Mbit/s
95th percentile per-packet one-way delay: 9.054 ms
Loss rate: 0.03%
```
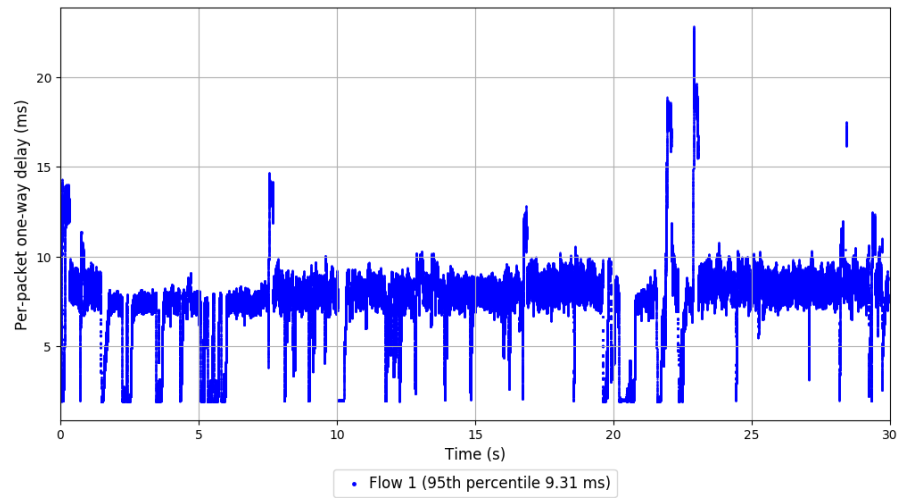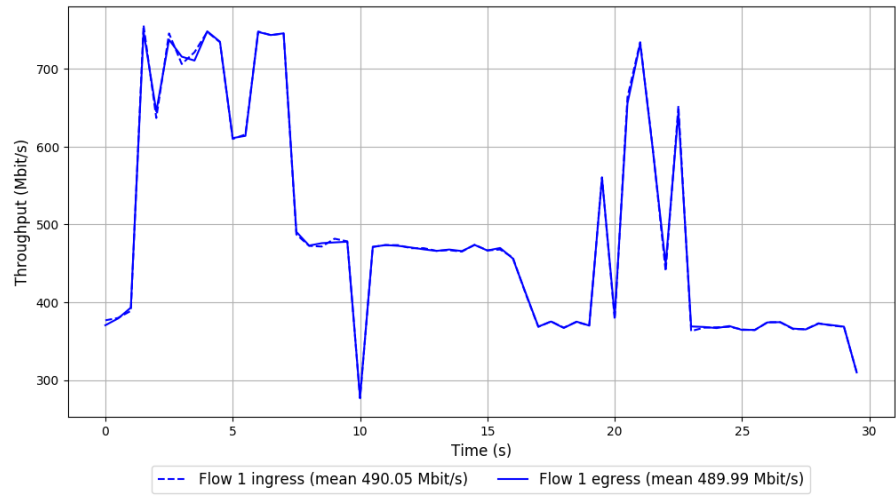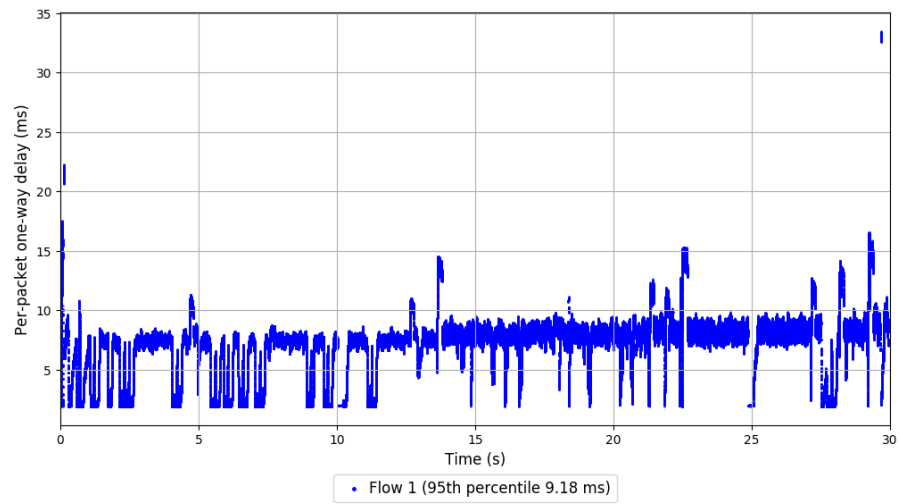
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 532.77 Mbit/s)   Flow 1 egress (mean 532.45 Mbit/s)

Flow 1 (95th percentile 9.05 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2017-09-03 02:32:31
End at: 2017-09-03 02:33:01
Local clock offset: -3.861 ms
Remote clock offset: 0.887 ms


# Below is generated by plot.py at 2017-09-03 08:44:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 489.99 Mbit/s
95th percentile per-packet one-way delay: 9.311 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 489.99 Mbit/s
95th percentile per-packet one-way delay: 9.311 ms
Loss rate: 0.02%
```
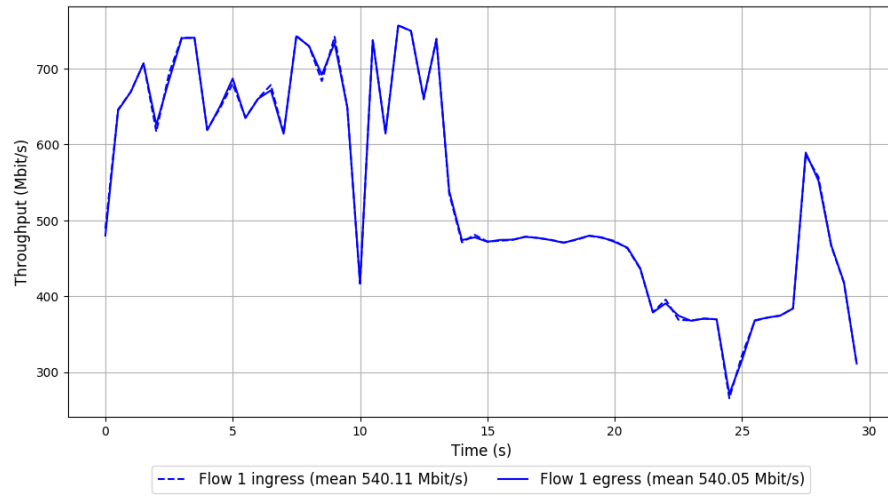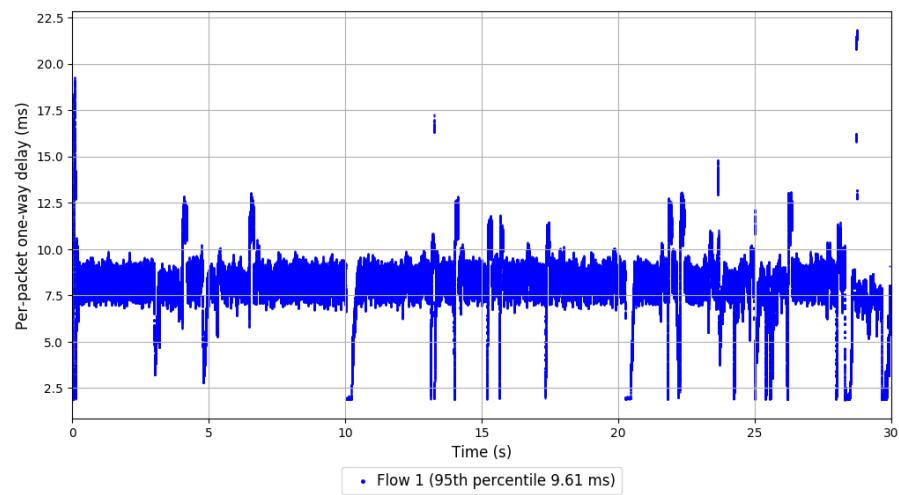
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 490.05 Mbit/s)   Flow 1 egress (mean 489.99 Mbit/s)

Flow 1 (95th percentile 9.31 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-09-03 02:51:23
End at: 2017-09-03 02:51:53
Local clock offset: -4.016 ms
Remote clock offset: 0.861 ms


# Below is generated by plot.py at 2017-09-03 08:45:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 540.05 Mbit/s
95th percentile per-packet one-way delay: 9.176 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 540.05 Mbit/s
95th percentile per-packet one-way delay: 9.176 ms
Loss rate: 0.02%
```
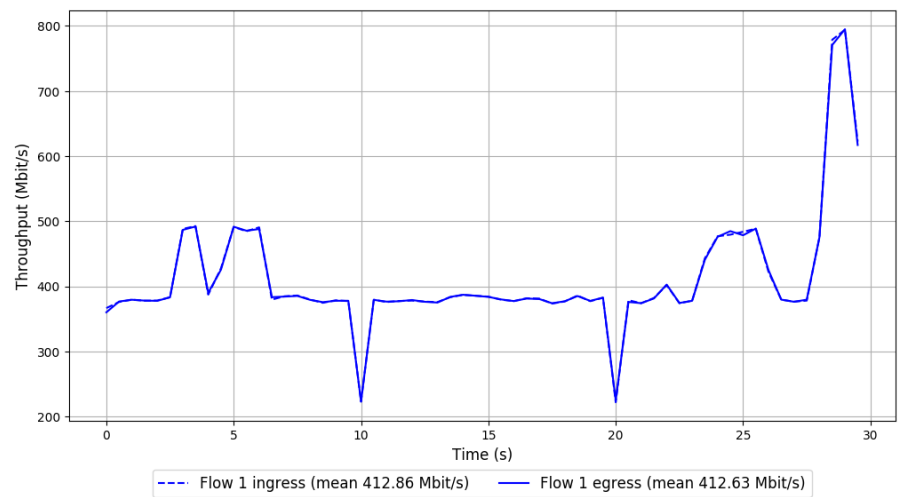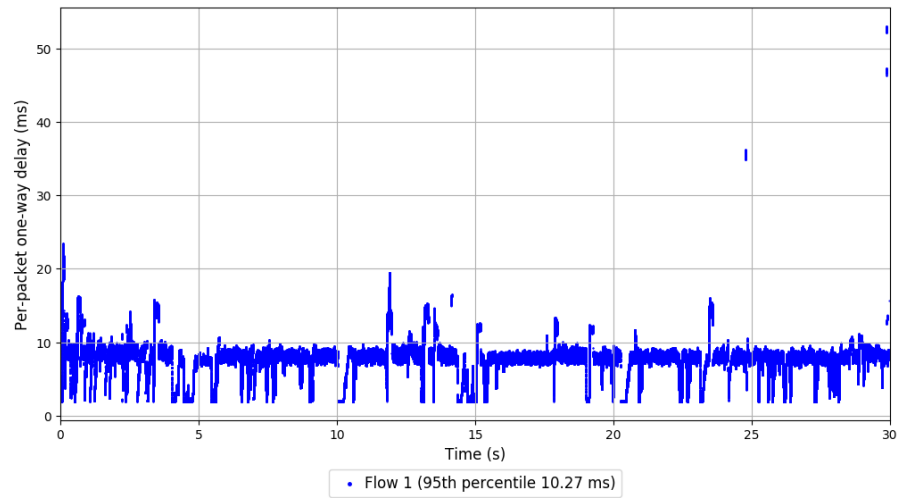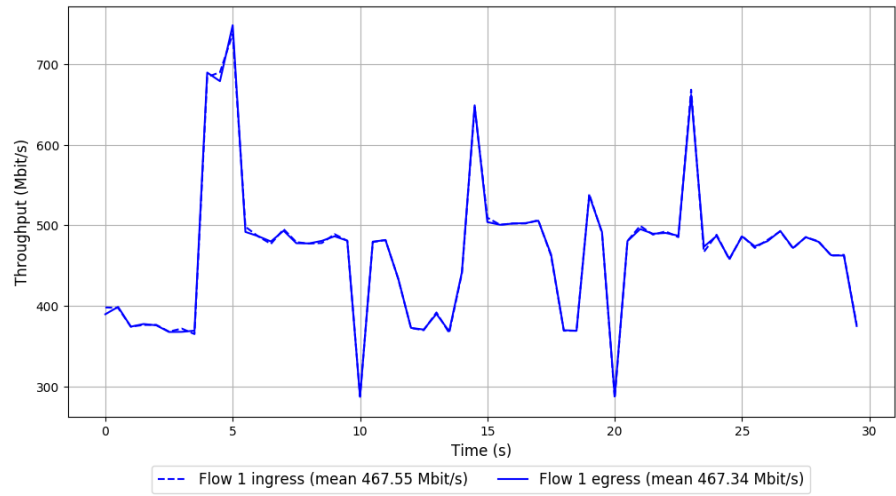
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 540.11 Mbit/s)   Flow 1 egress (mean 540.05 Mbit/s)

• Flow 1 (95th percentile 9.18 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2017-09-03 03:10:16
End at: 2017-09-03 03:10:46
Local clock offset: -3.977 ms
Remote clock offset: 0.766 ms


# Below is generated by plot.py at 2017-09-03 08:45:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.63 Mbit/s
95th percentile per-packet one-way delay: 9.610 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 412.63 Mbit/s
95th percentile per-packet one-way delay: 9.610 ms
Loss rate: 0.07%
```
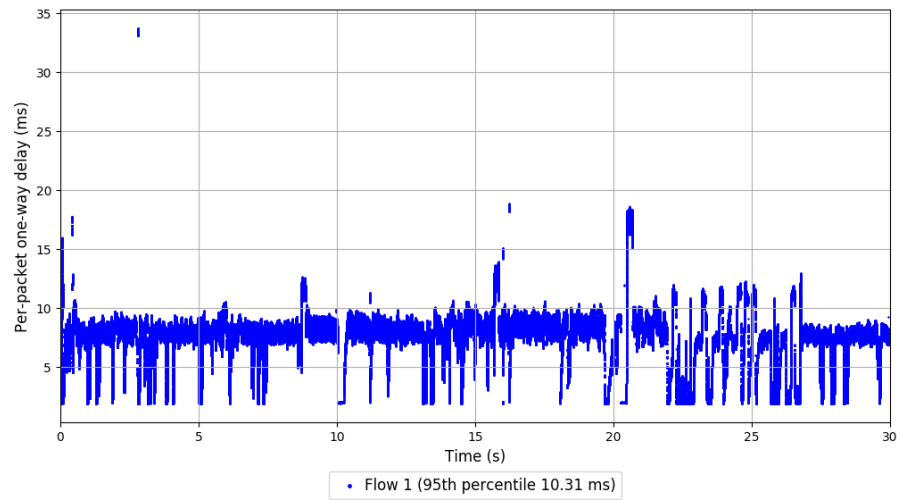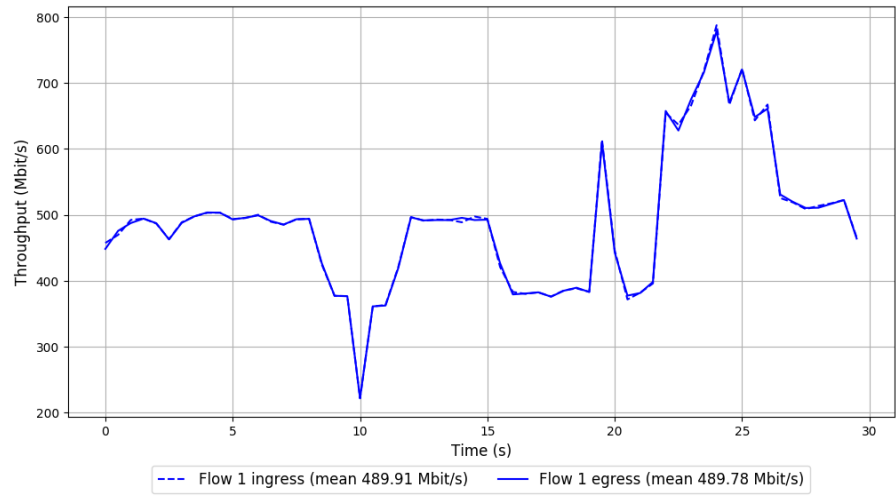
Run 8: Report of TCP BBR — Data Link

```
Run 9: Statistics of TCP BBR

Start at: 2017-09-03 03:29:01
End at: 2017-09-03 03:29:31
Local clock offset: -3.886 ms
Remote clock offset: 0.644 ms


# Below is generated by plot.py at 2017-09-03 08:46:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 467.34 Mbit/s
95th percentile per-packet one-way delay: 10.272 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 467.34 Mbit/s
95th percentile per-packet one-way delay: 10.272 ms
Loss rate: 0.03%
```
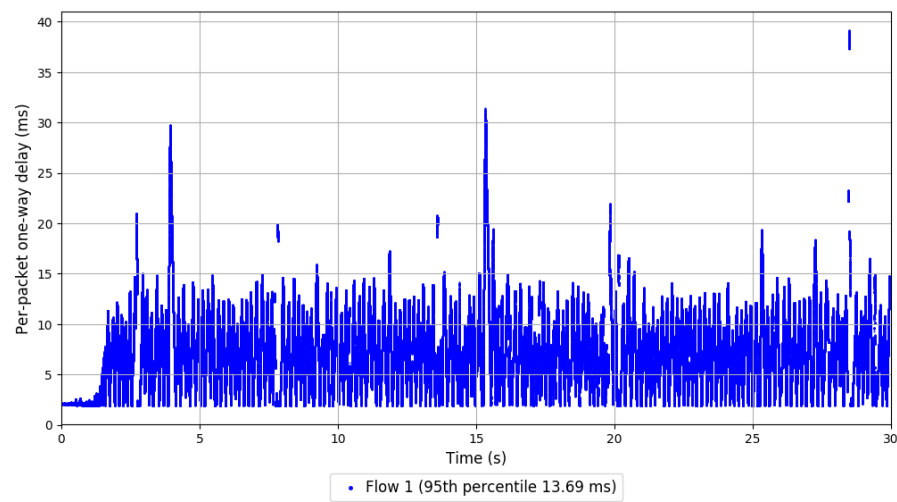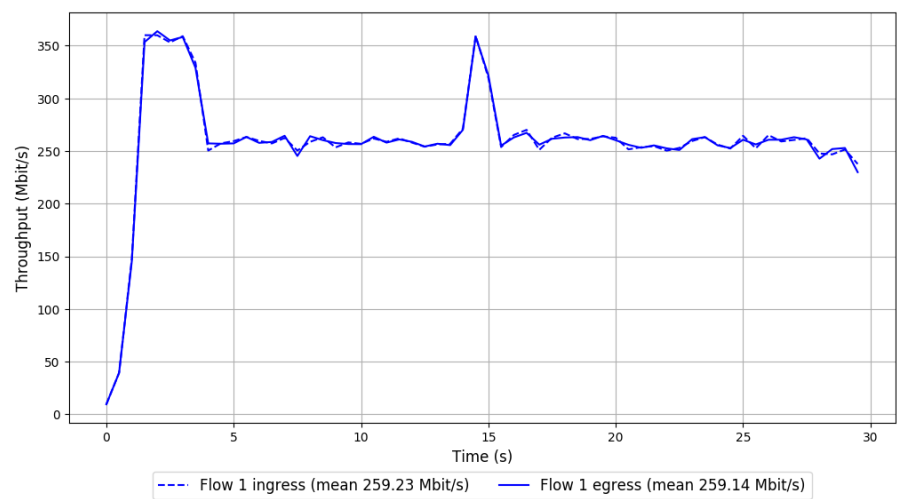
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 467.55 Mbit/s)   Flow 1 egress (mean 467.34 Mbit/s)

Flow 1 (95th percentile 10.27 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2017-09-03 03:48:09
End at: 2017-09-03 03:48:39
Local clock offset: -3.942 ms
Remote clock offset: 0.406 ms


# Below is generated by plot.py at 2017-09-03 08:46:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 489.78 Mbit/s
95th percentile per-packet one-way delay: 10.307 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 489.78 Mbit/s
95th percentile per-packet one-way delay: 10.307 ms
Loss rate: 0.03%
```
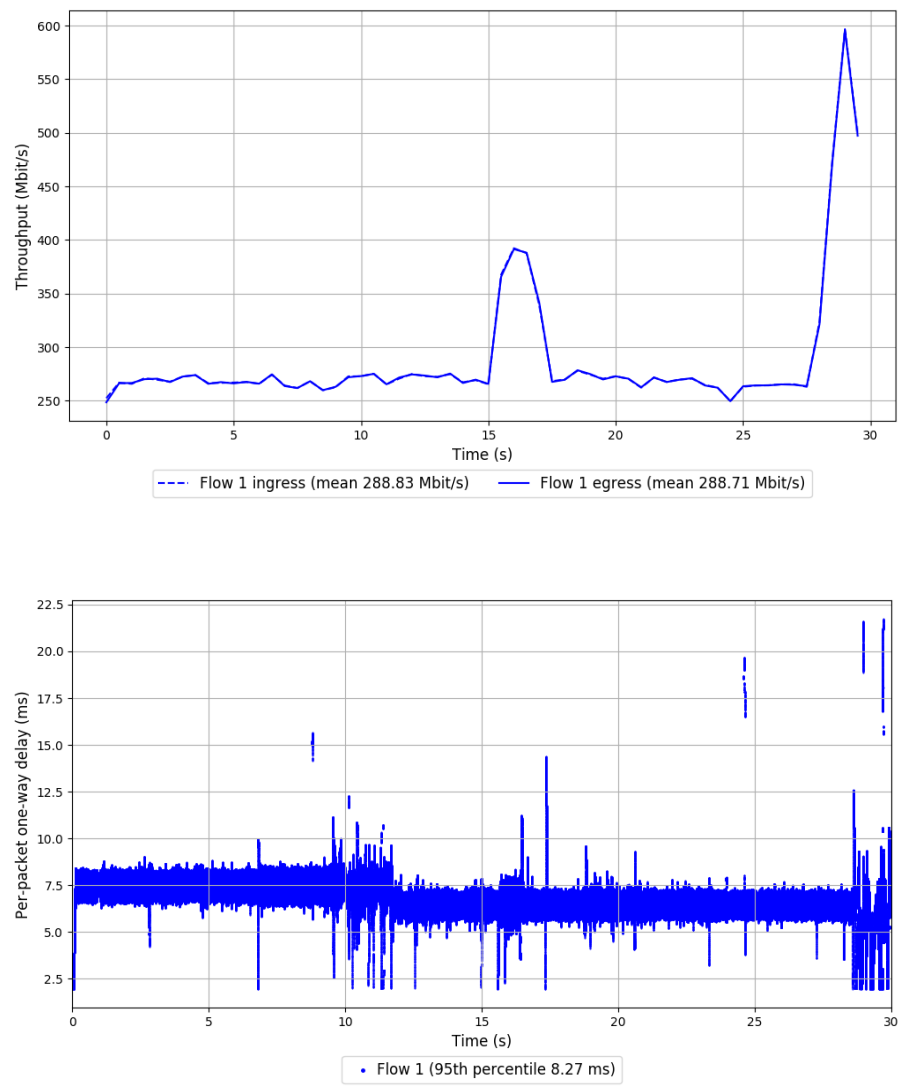
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of CalibratedKoho

Start at: 2017-09-03 01:03:45
End at: 2017-09-03 01:04:15
Local clock offset: -2.297 ms
Remote clock offset: 0.1 ms


# Below is generated by plot.py at 2017-09-03 08:47:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.14 Mbit/s
95th percentile per-packet one-way delay: 13.691 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 259.14 Mbit/s
95th percentile per-packet one-way delay: 13.691 ms
Loss rate: 0.06%
```
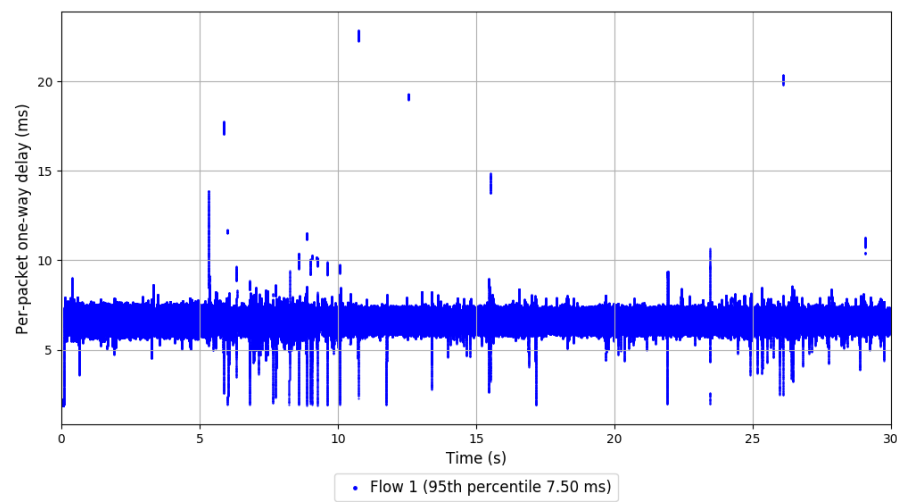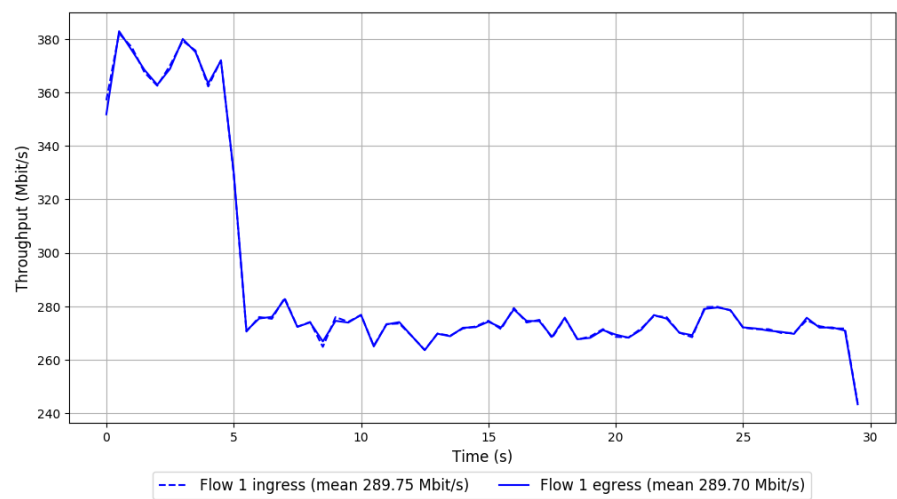
Run 1: Report of CalibratedKoho — Data Link

```
Run 2: Statistics of CalibratedKoho

Start at: 2017-09-03 01:22:51
End at: 2017-09-03 01:23:21
Local clock offset: -2.531 ms
Remote clock offset: 0.455 ms


# Below is generated by plot.py at 2017-09-03 08:47:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 288.71 Mbit/s
95th percentile per-packet one-way delay: 8.272 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 288.71 Mbit/s
95th percentile per-packet one-way delay: 8.272 ms
Loss rate: 0.05%
```
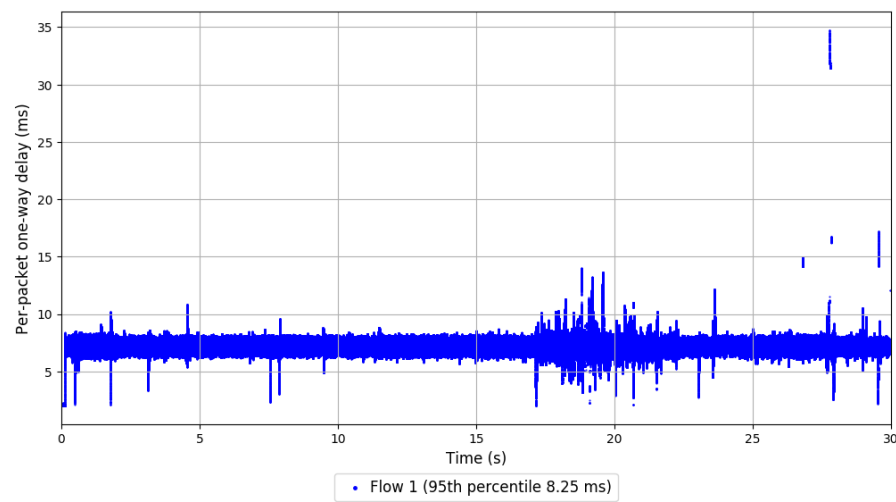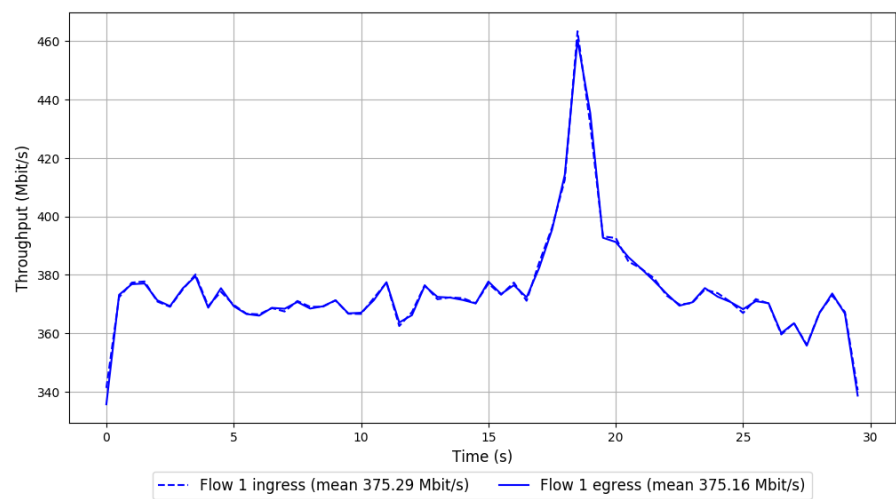
Run 2: Report of CalibratedKoho — Data Link

```
Run 3: Statistics of CalibratedKoho

Start at: 2017-09-03 01:41:54
End at: 2017-09-03 01:42:24
Local clock offset: -3.111 ms
Remote clock offset: 0.711 ms


# Below is generated by plot.py at 2017-09-03 08:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 289.70 Mbit/s
95th percentile per-packet one-way delay: 7.499 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 289.70 Mbit/s
95th percentile per-packet one-way delay: 7.499 ms
Loss rate: 0.03%
```
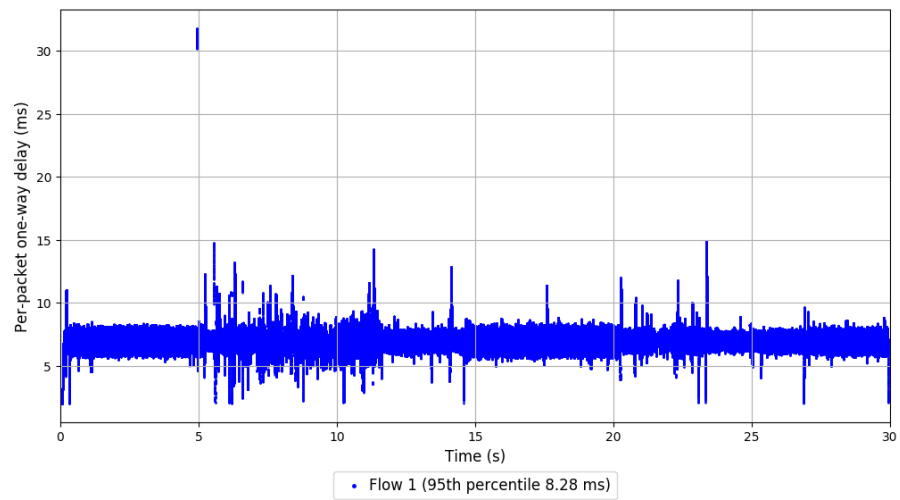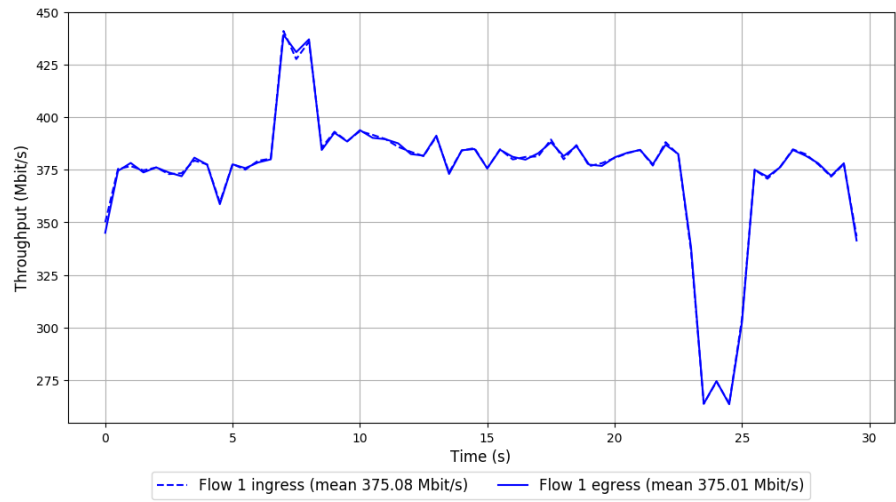
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: 2017-09-03 02:00:42
End at: 2017-09-03 02:01:12
Local clock offset: -3.458 ms
Remote clock offset: 0.773 ms


# Below is generated by plot.py at 2017-09-03 08:48:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 375.16 Mbit/s
95th percentile per-packet one-way delay: 8.250 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 375.16 Mbit/s
95th percentile per-packet one-way delay: 8.250 ms
Loss rate: 0.03%
```
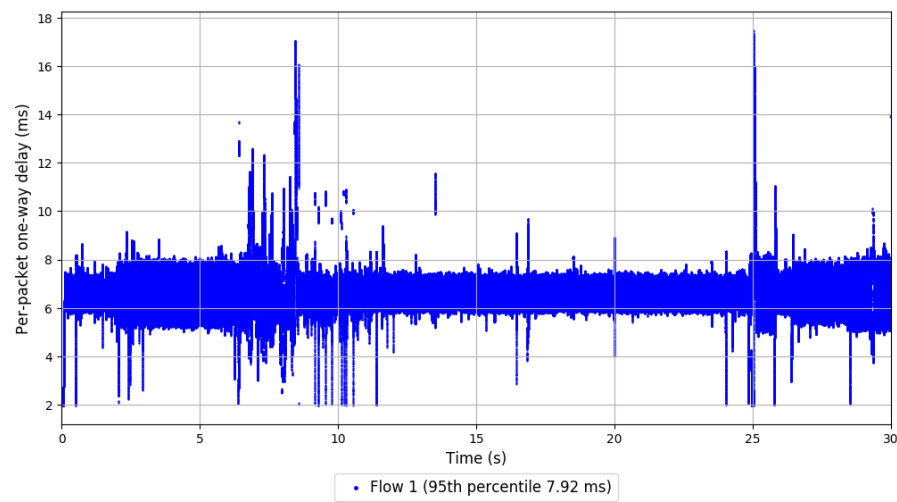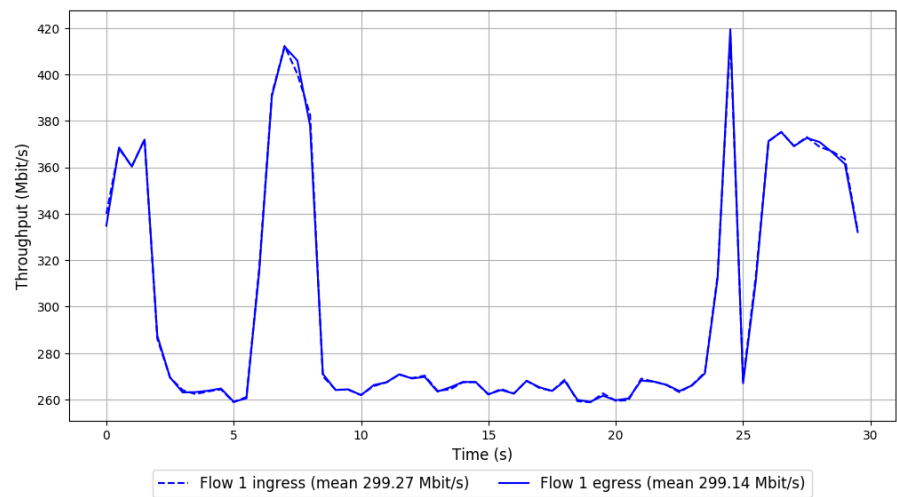
Run 4: Report of CalibratedKoho — Data Link

```
Run 5: Statistics of CalibratedKoho

Start at: 2017-09-03 02:19:54
End at: 2017-09-03 02:20:24
Local clock offset: -3.663 ms
Remote clock offset: 0.813 ms


# Below is generated by plot.py at 2017-09-03 08:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 375.01 Mbit/s
95th percentile per-packet one-way delay: 8.280 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 375.01 Mbit/s
95th percentile per-packet one-way delay: 8.280 ms
Loss rate: 0.03%
```
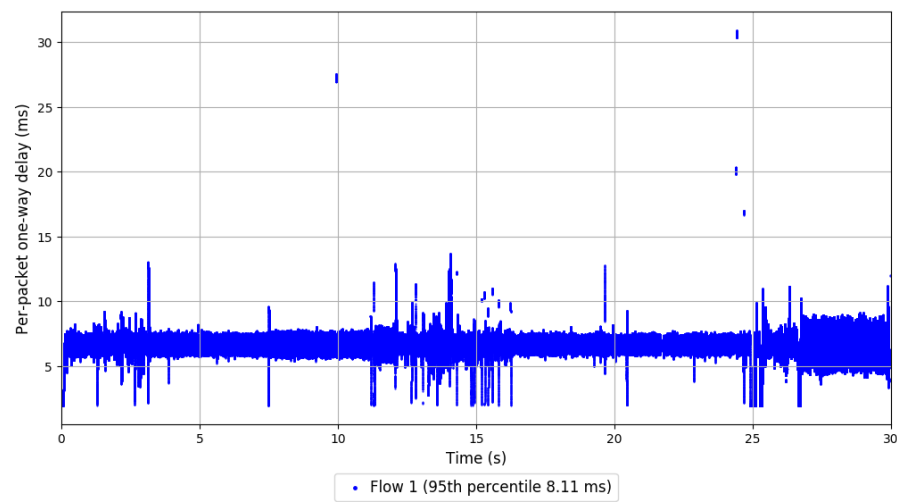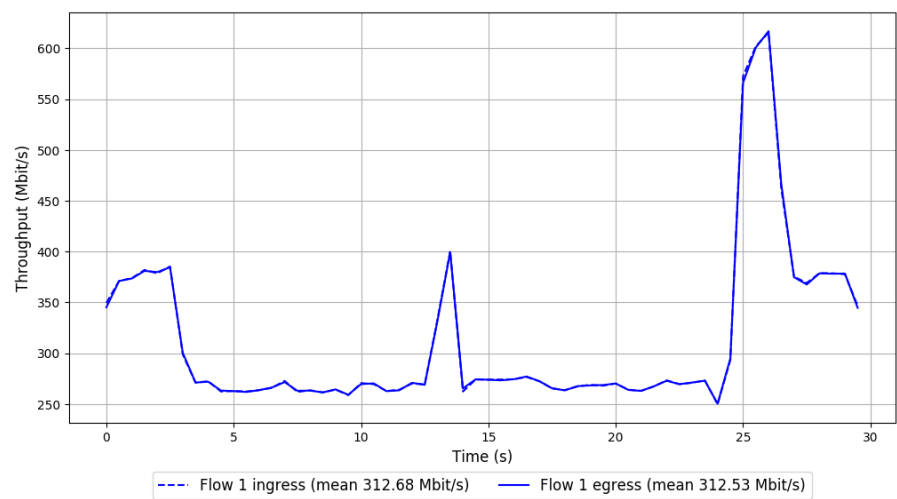
Run 5: Report of CalibratedKoho — Data Link

```
Run 6: Statistics of CalibratedKoho

Start at: 2017-09-03 02:38:53
End at: 2017-09-03 02:39:23
Local clock offset: -3.95 ms
Remote clock offset: 0.877 ms


# Below is generated by plot.py at 2017-09-03 08:48:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 299.14 Mbit/s
95th percentile per-packet one-way delay: 7.921 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 299.14 Mbit/s
95th percentile per-packet one-way delay: 7.921 ms
Loss rate: 0.04%
```
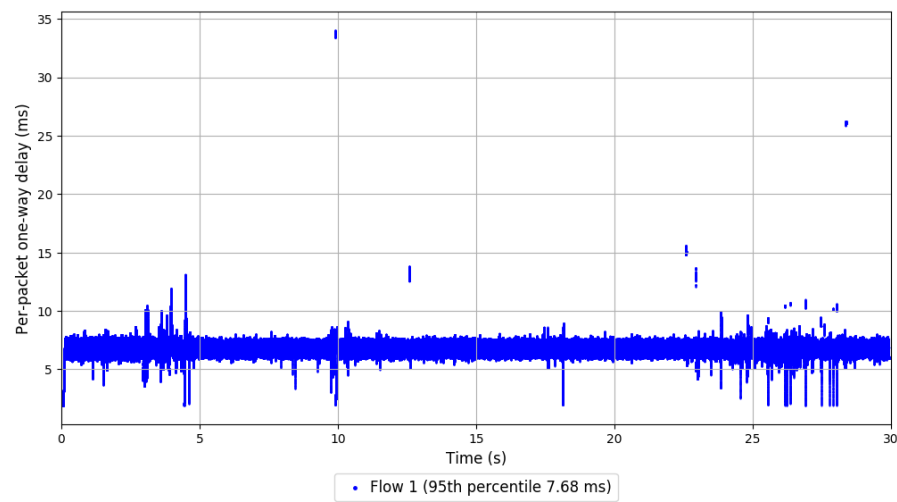
Run 6: Report of CalibratedKoho — Data Link

```
Run 7: Statistics of CalibratedKoho

Start at: 2017-09-03 02:57:48
End at: 2017-09-03 02:58:18
Local clock offset: -3.91 ms
Remote clock offset: 0.859 ms


# Below is generated by plot.py at 2017-09-03 08:49:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 312.53 Mbit/s
95th percentile per-packet one-way delay: 8.111 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 312.53 Mbit/s
95th percentile per-packet one-way delay: 8.111 ms
Loss rate: 0.04%
```
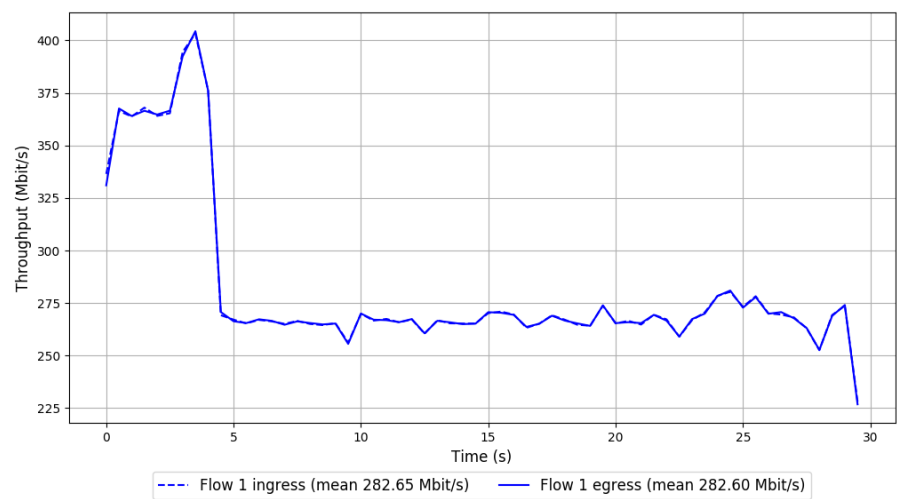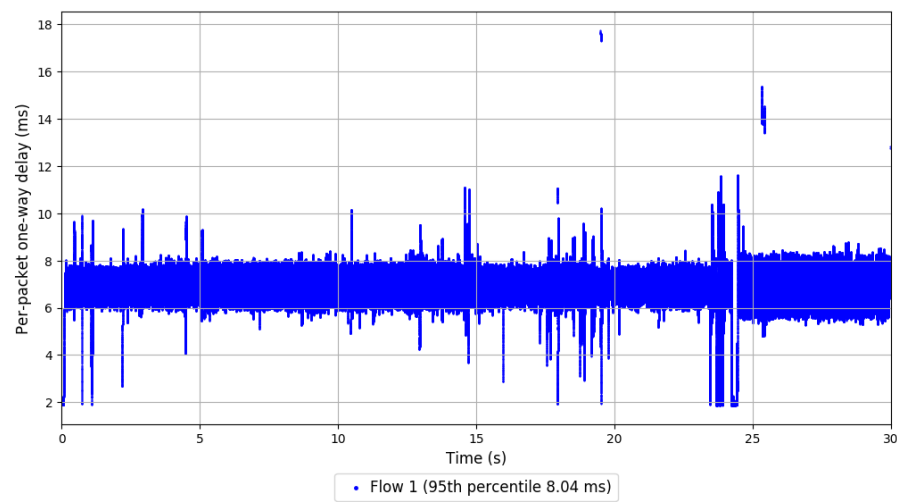
Run 7: Report of CalibratedKoho — Data Link

```
Run 8: Statistics of CalibratedKoho

Start at: 2017-09-03 03:16:36
End at: 2017-09-03 03:17:06
Local clock offset: -3.93 ms
Remote clock offset: 0.722 ms


# Below is generated by plot.py at 2017-09-03 08:49:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 282.60 Mbit/s
95th percentile per-packet one-way delay: 7.684 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 282.60 Mbit/s
95th percentile per-packet one-way delay: 7.684 ms
Loss rate: 0.03%
```
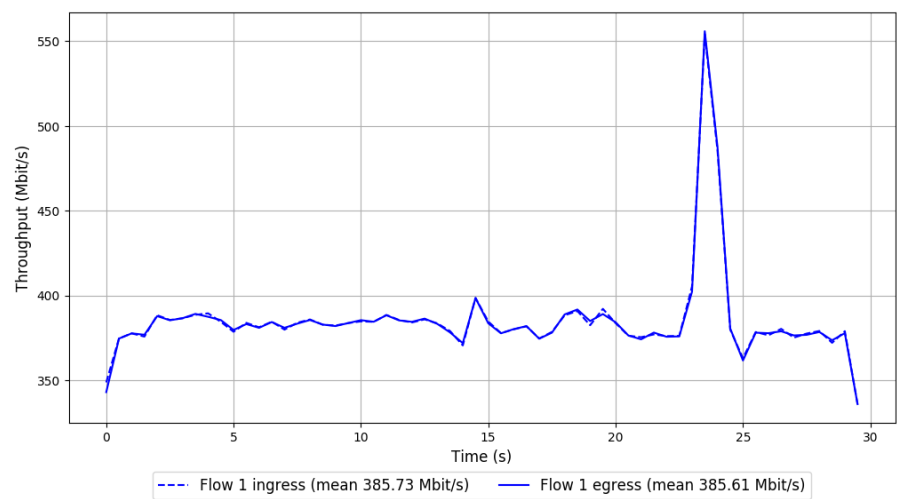
Run 8: Report of CalibratedKoho — Data Link

```
Run 9: Statistics of CalibratedKoho

Start at: 2017-09-03 03:35:21
End at: 2017-09-03 03:35:51
Local clock offset: -3.973 ms
Remote clock offset: 0.539 ms


# Below is generated by plot.py at 2017-09-03 08:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.61 Mbit/s
95th percentile per-packet one-way delay: 8.038 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 385.61 Mbit/s
95th percentile per-packet one-way delay: 8.038 ms
Loss rate: 0.02%
```
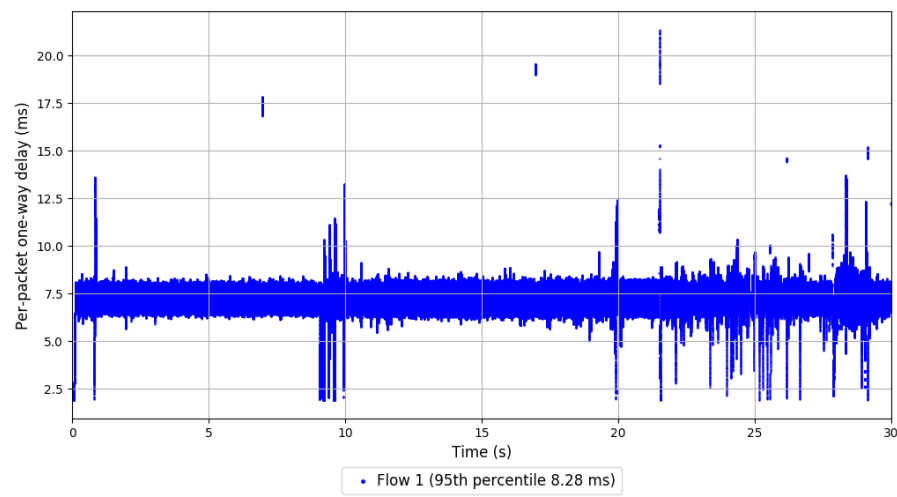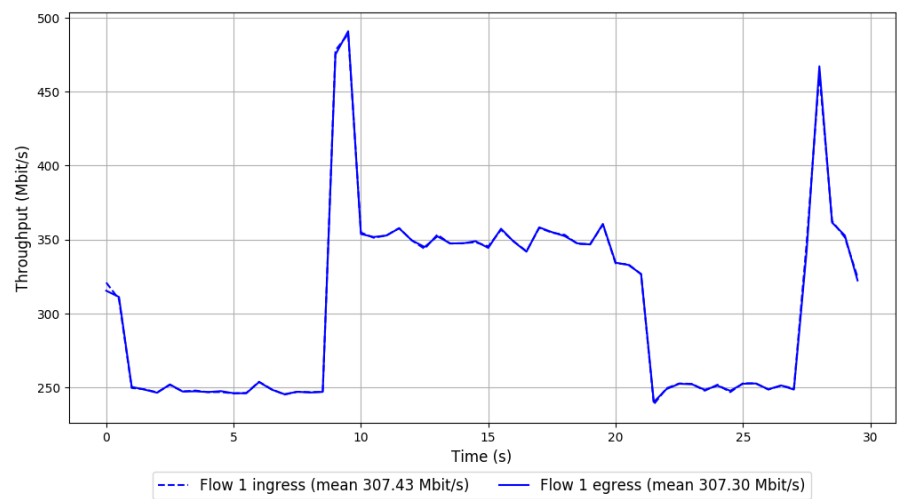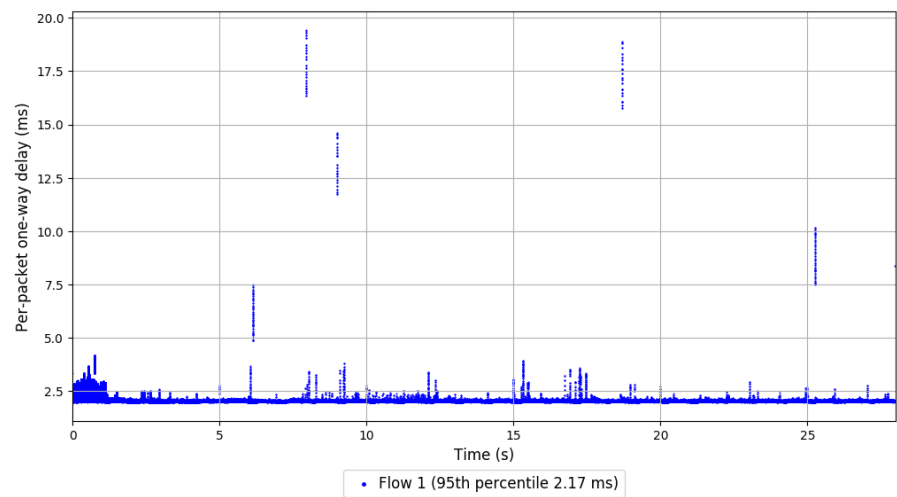
Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 385.73 Mbit/s)   Flow 1 egress (mean 385.61 Mbit/s)

Flow 1 (95th percentile 8.04 ms)

```
Run 10: Statistics of CalibratedKoho

Start at: 2017-09-03 03:54:38
End at: 2017-09-03 03:55:08
Local clock offset: -3.807 ms
Remote clock offset: 0.372 ms


# Below is generated by plot.py at 2017-09-03 08:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 307.30 Mbit/s
95th percentile per-packet one-way delay: 8.284 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 307.30 Mbit/s
95th percentile per-packet one-way delay: 8.284 ms
Loss rate: 0.04%
```
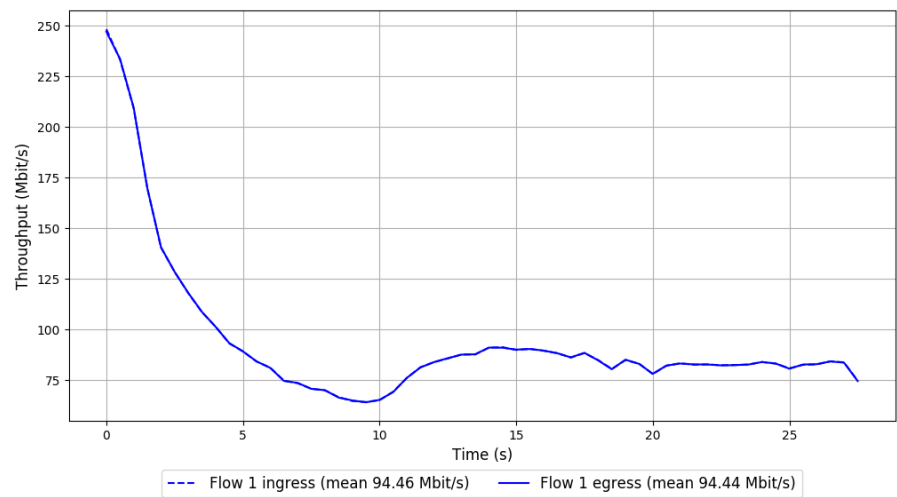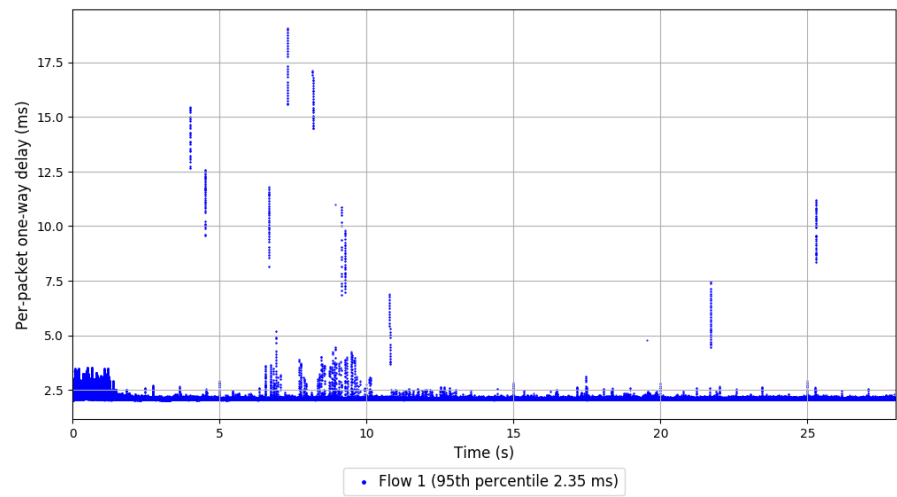
Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Copa

Start at: 2017-09-03 00:56:16
End at: 2017-09-03 00:56:46
Local clock offset: -2.201 ms
Remote clock offset: 0.084 ms


# Below is generated by plot.py at 2017-09-03 08:50:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 2.174 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 2.174 ms
Loss rate: 0.01%
```
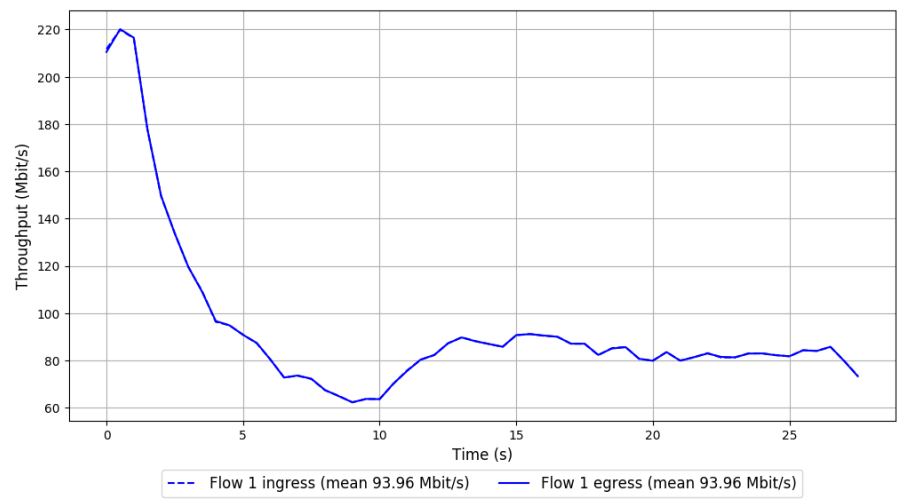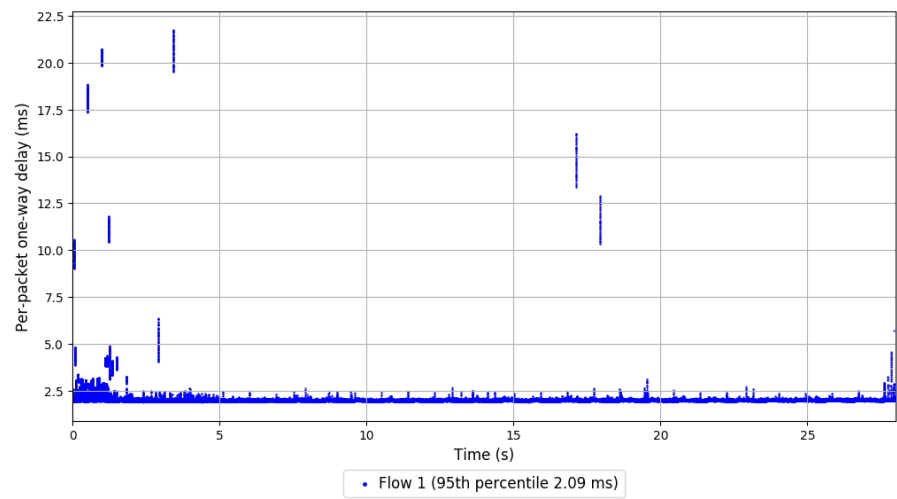
Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2017-09-03 01:15:10
End at: 2017-09-03 01:15:40
Local clock offset: -2.289 ms
Remote clock offset: 0.275 ms


# Below is generated by plot.py at 2017-09-03 08:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 2.353 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 2.353 ms
Loss rate: 0.01%
```

Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2017-09-03 01:34:19
End at: 2017-09-03 01:34:49
Local clock offset: -2.86 ms
Remote clock offset: 0.62 ms


# Below is generated by plot.py at 2017-09-03 08:50:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.01%
```
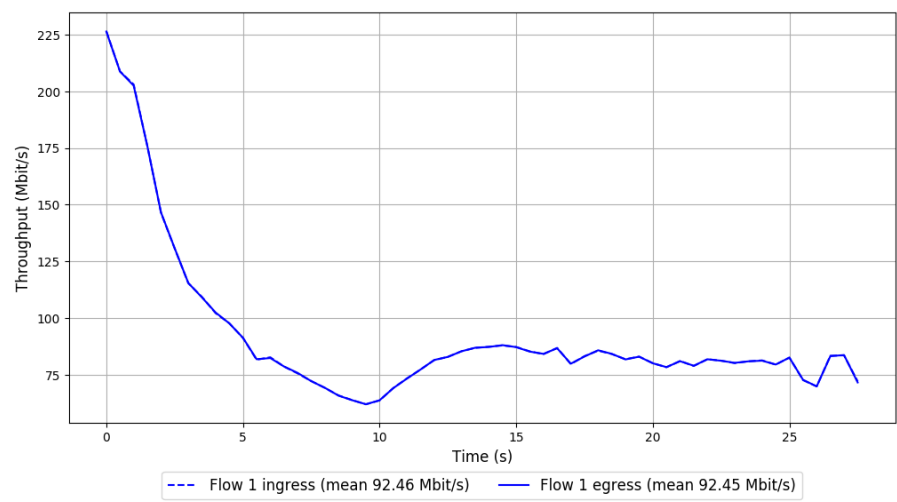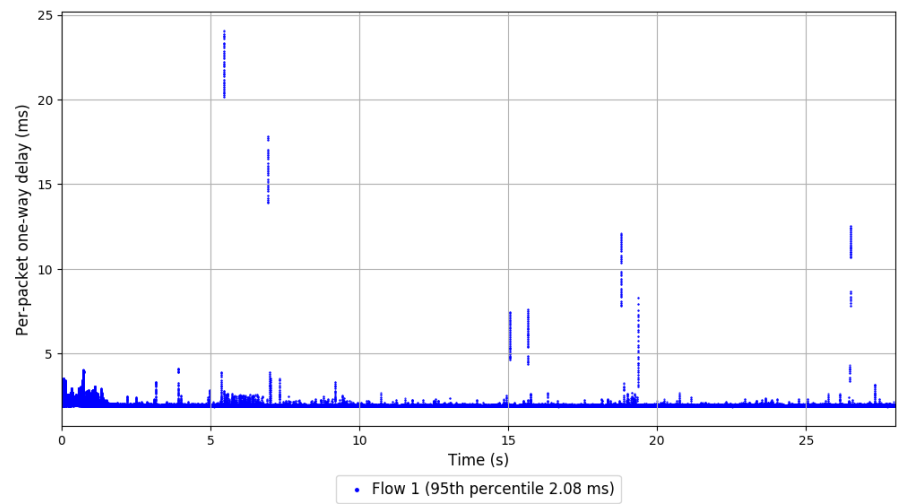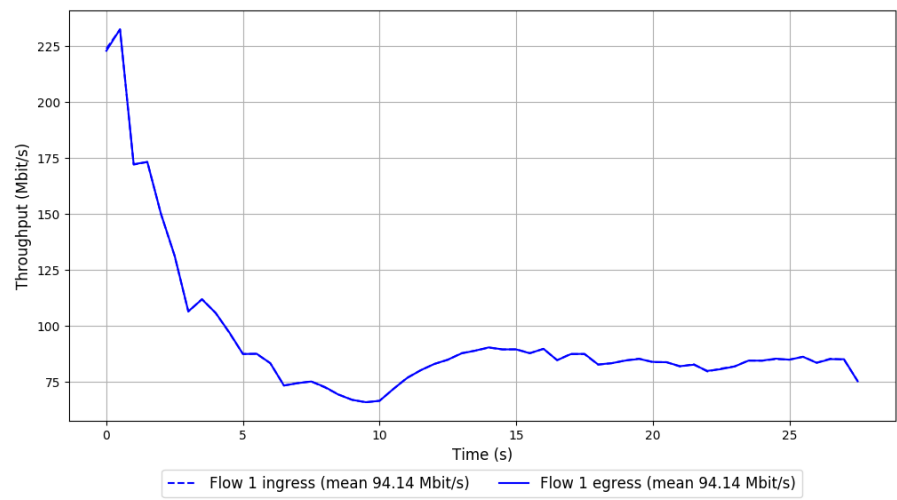
Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2017-09-03 01:53:04
End at: 2017-09-03 01:53:34
Local clock offset: -3.365 ms
Remote clock offset: 0.845 ms


# Below is generated by plot.py at 2017-09-03 08:50:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.01%
```
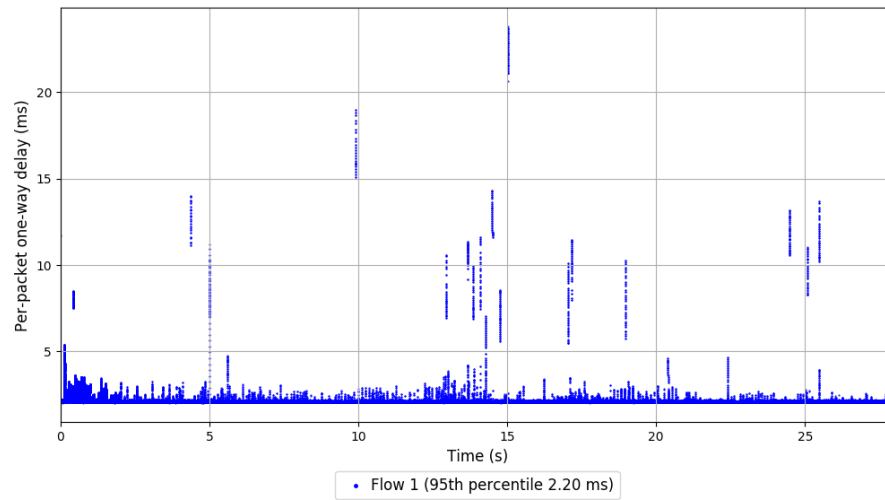
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2017-09-03 02:12:18
End at: 2017-09-03 02:12:48
Local clock offset: -3.561 ms
Remote clock offset: 0.811 ms


# Below is generated by plot.py at 2017-09-03 08:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 2.198 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 2.198 ms
Loss rate: 0.01%
```
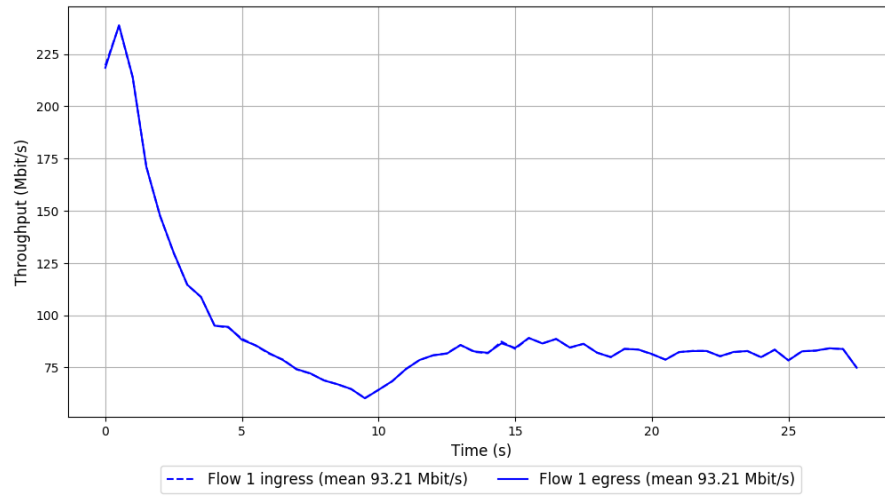
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2017-09-03 02:31:20
End at: 2017-09-03 02:31:50
Local clock offset: -3.822 ms
Remote clock offset: 0.895 ms


# Below is generated by plot.py at 2017-09-03 08:51:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 2.084 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 2.084 ms
Loss rate: 0.01%
```
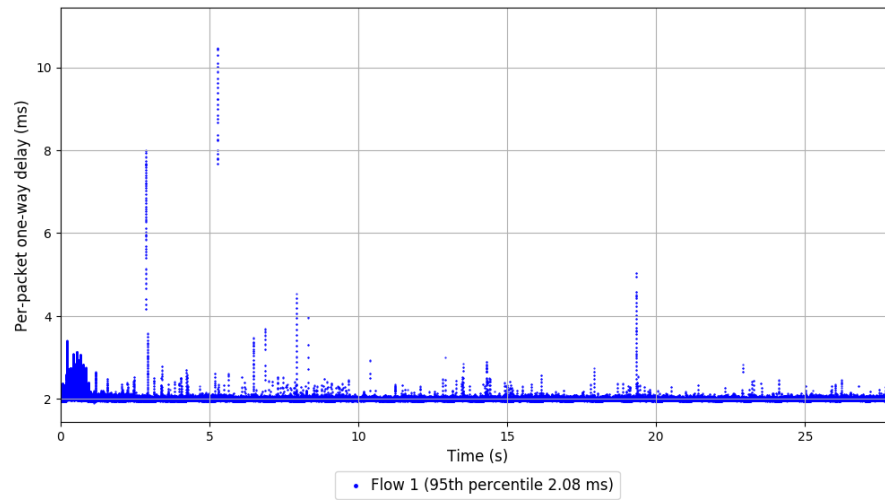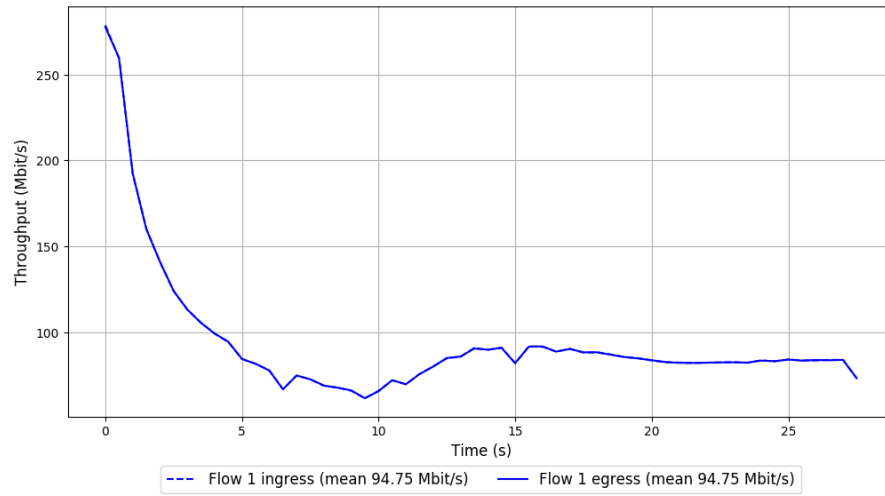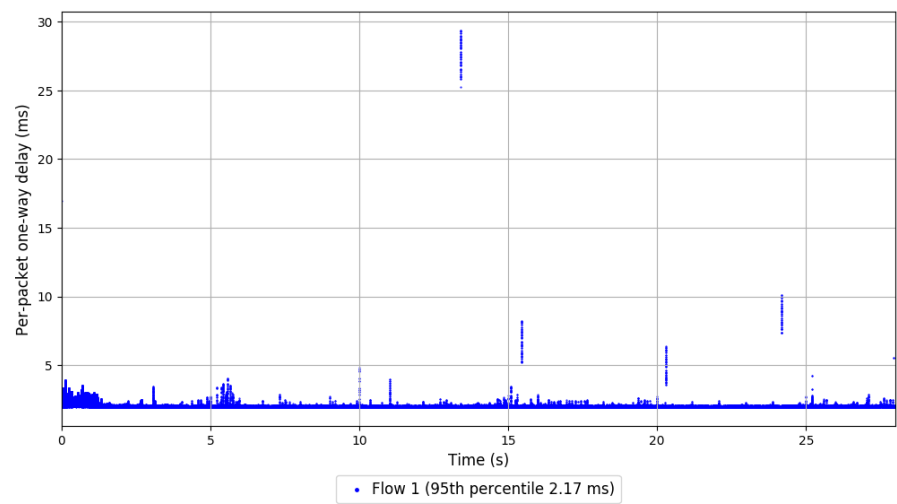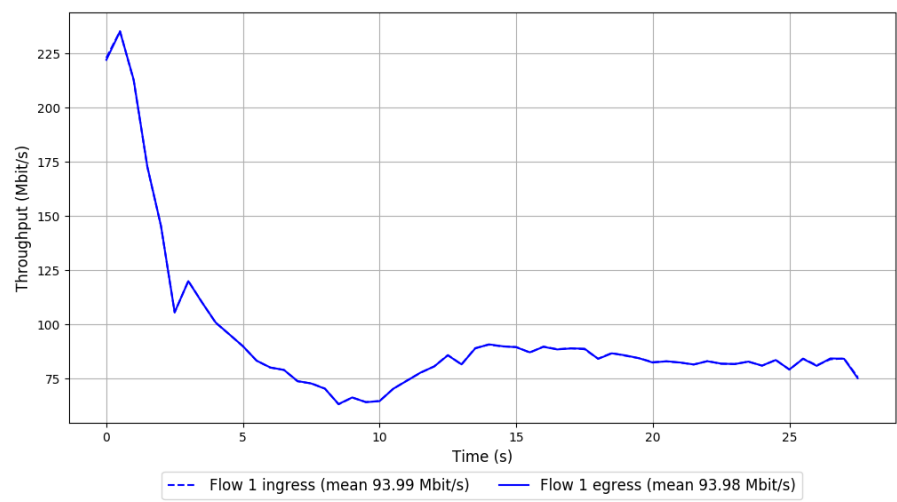
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2017-09-03 02:50:11
End at: 2017-09-03 02:50:41
Local clock offset: -3.904 ms
Remote clock offset: 0.933 ms


# Below is generated by plot.py at 2017-09-03 08:51:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 2.166 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 2.166 ms
Loss rate: 0.02%
```
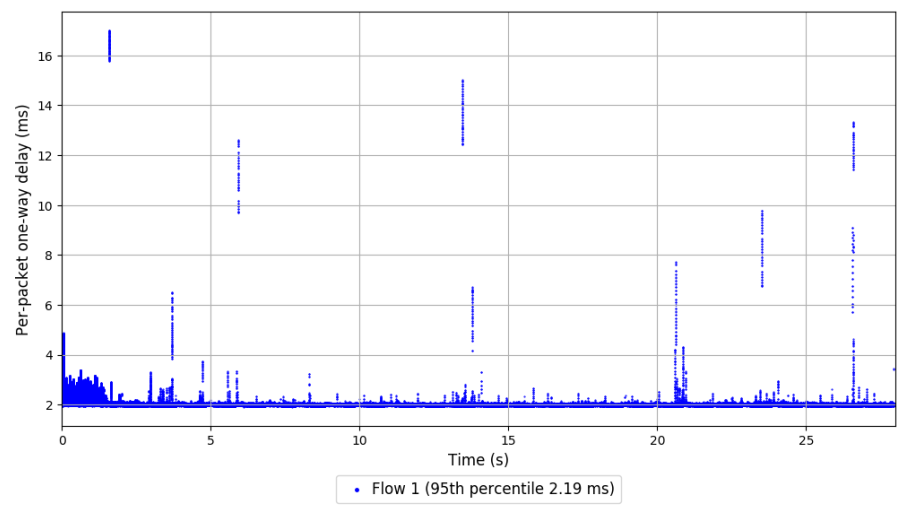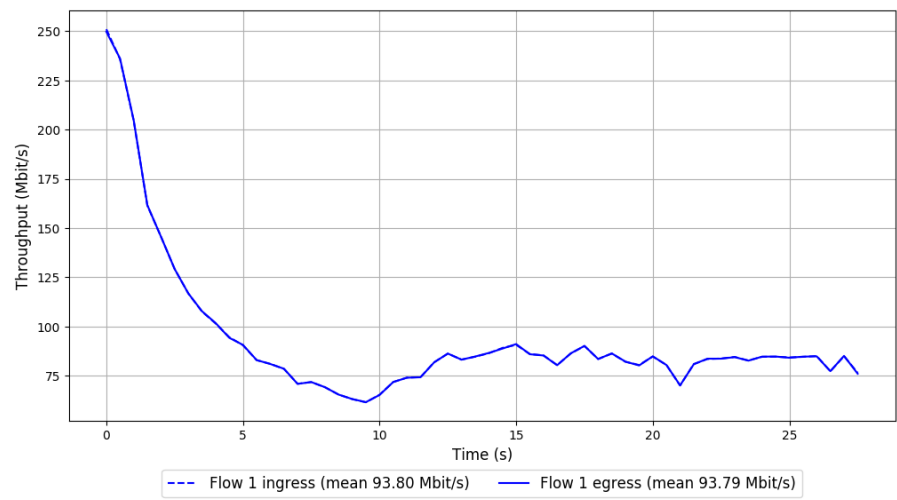
Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2017-09-03 03:09:04
End at: 2017-09-03 03:09:34
Local clock offset: -3.875 ms
Remote clock offset: 0.796 ms


# Below is generated by plot.py at 2017-09-03 08:51:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 2.191 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 2.191 ms
Loss rate: 0.01%
```
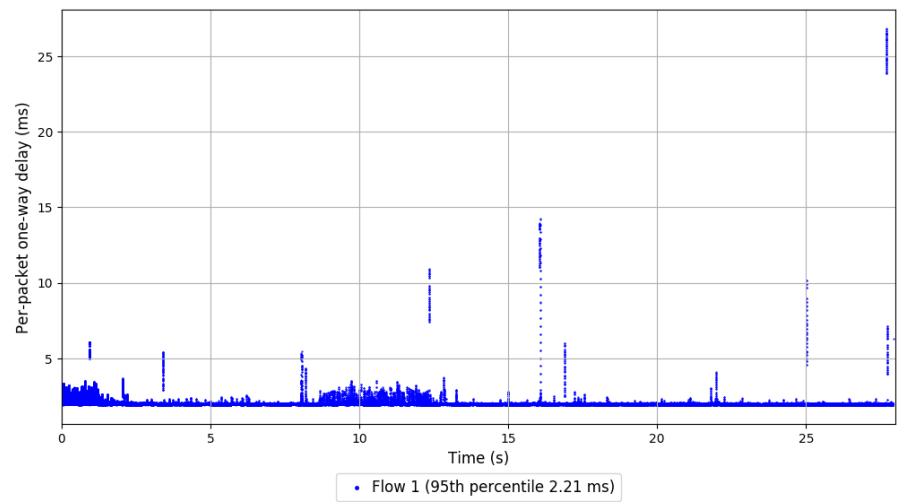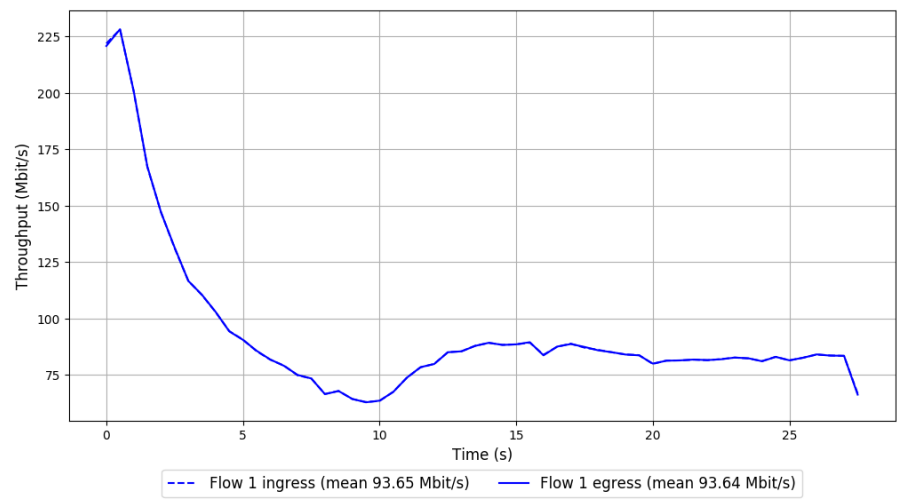
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 93.80 Mbit/s) — — — Flow 1 egress (mean 93.79 Mbit/s)

Flow 1 (95th percentile 2.19 ms)

```
Run 9: Statistics of Copa

Start at: 2017-09-03 03:27:49
End at: 2017-09-03 03:28:19
Local clock offset: -3.873 ms
Remote clock offset: 0.689 ms


# Below is generated by plot.py at 2017-09-03 08:51:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 2.212 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 2.212 ms
Loss rate: 0.01%
```

Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2017-09-03 03:46:57
End at: 2017-09-03 03:47:28
Local clock offset: -3.99 ms
Remote clock offset: 0.435 ms


# Below is generated by plot.py at 2017-09-03 08:52:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 1.982 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 1.982 ms
Loss rate: 0.01%
```
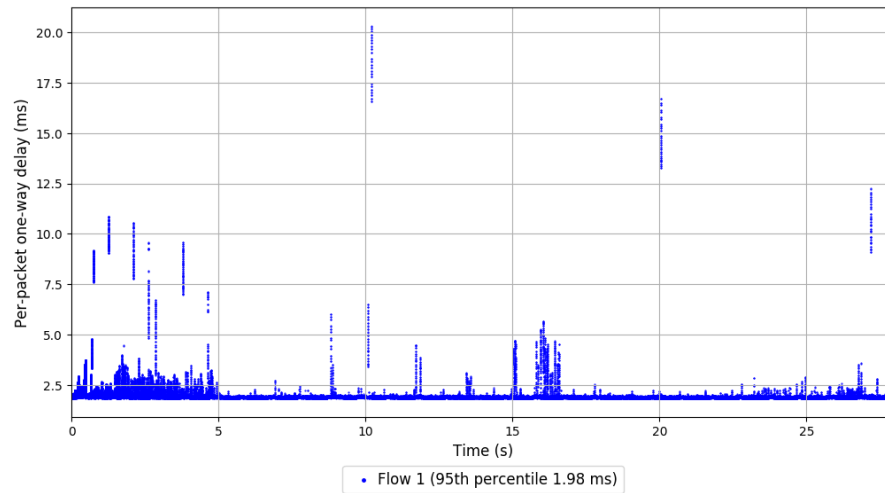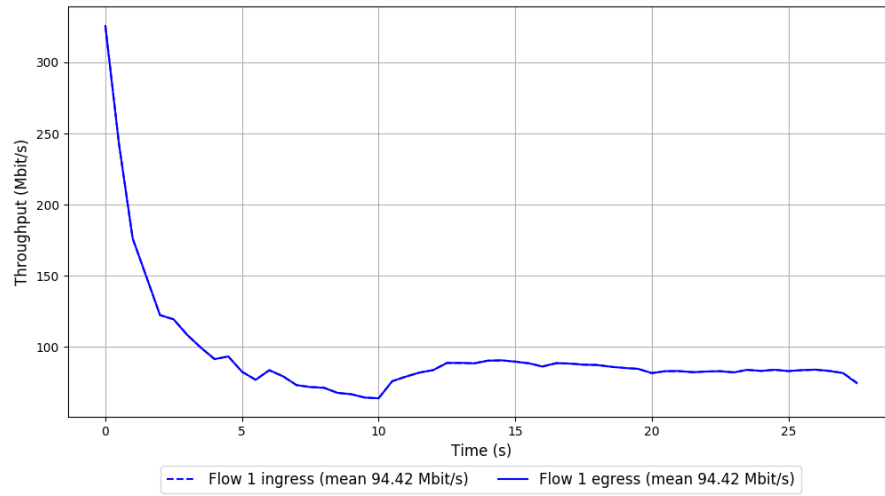
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2017-09-03 01:09:52
End at: 2017-09-03 01:10:22
Local clock offset: -2.307 ms
Remote clock offset: 0.247 ms


# Below is generated by plot.py at 2017-09-03 08:52:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 514.69 Mbit/s
95th percentile per-packet one-way delay: 40.556 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 514.69 Mbit/s
95th percentile per-packet one-way delay: 40.556 ms
Loss rate: 0.06%
```
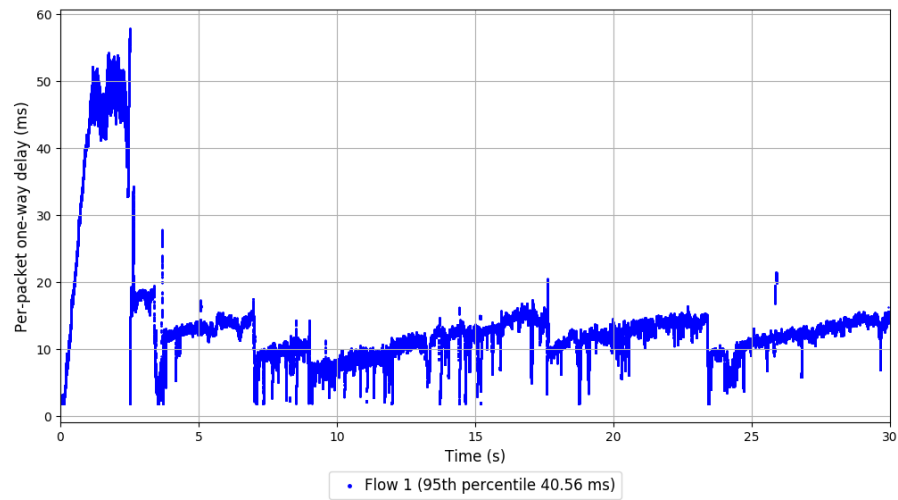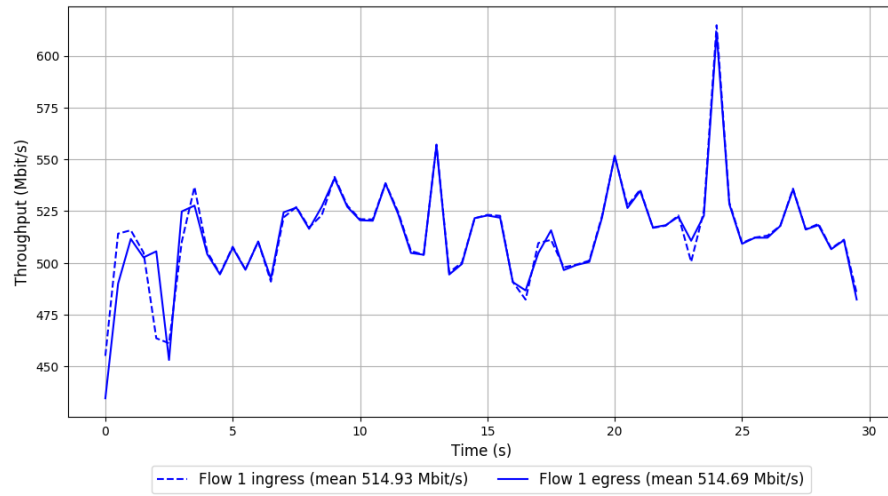
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-09-03 01:29:00
End at: 2017-09-03 01:29:30
Local clock offset: -2.71 ms
Remote clock offset: 0.551 ms


# Below is generated by plot.py at 2017-09-03 08:53:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 593.61 Mbit/s
95th percentile per-packet one-way delay: 18.362 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 593.61 Mbit/s
95th percentile per-packet one-way delay: 18.362 ms
Loss rate: 0.02%
```
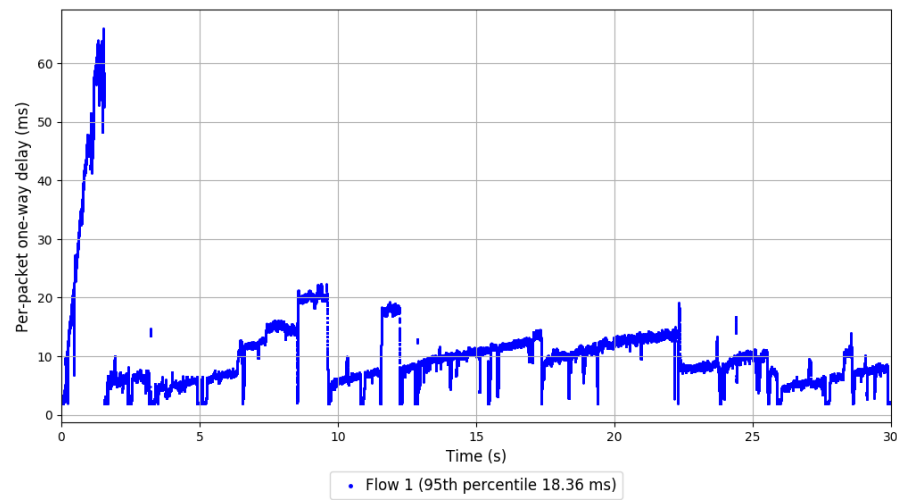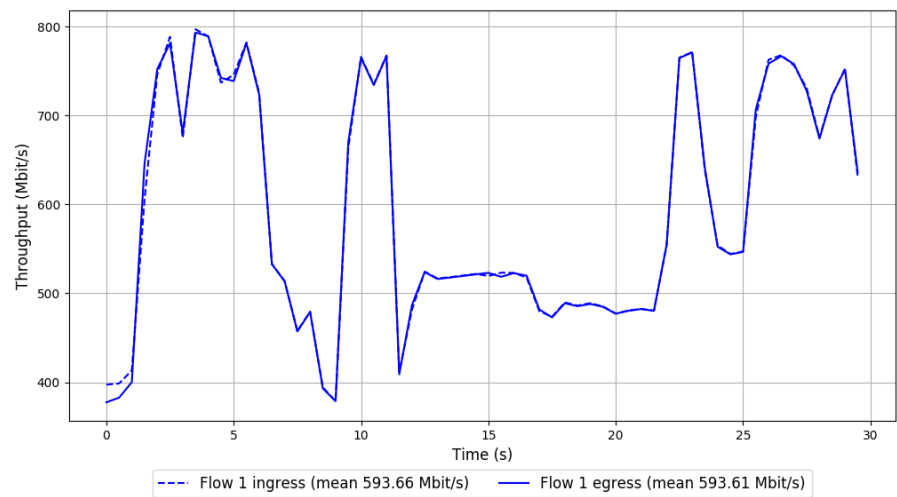
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2017-09-03 01:47:48
End at: 2017-09-03 01:48:18
Local clock offset: -3.203 ms
Remote clock offset: 0.752 ms


# Below is generated by plot.py at 2017-09-03 08:54:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 540.76 Mbit/s
95th percentile per-packet one-way delay: 49.365 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 540.76 Mbit/s
95th percentile per-packet one-way delay: 49.365 ms
Loss rate: 0.03%
```
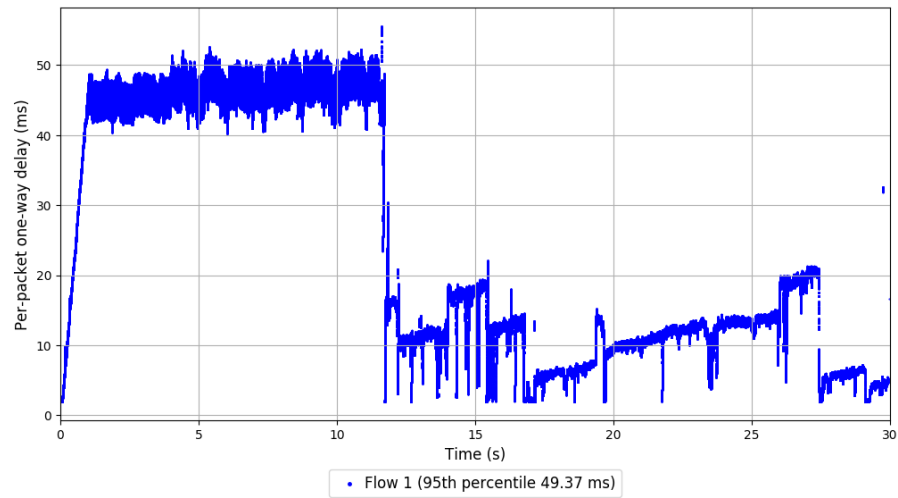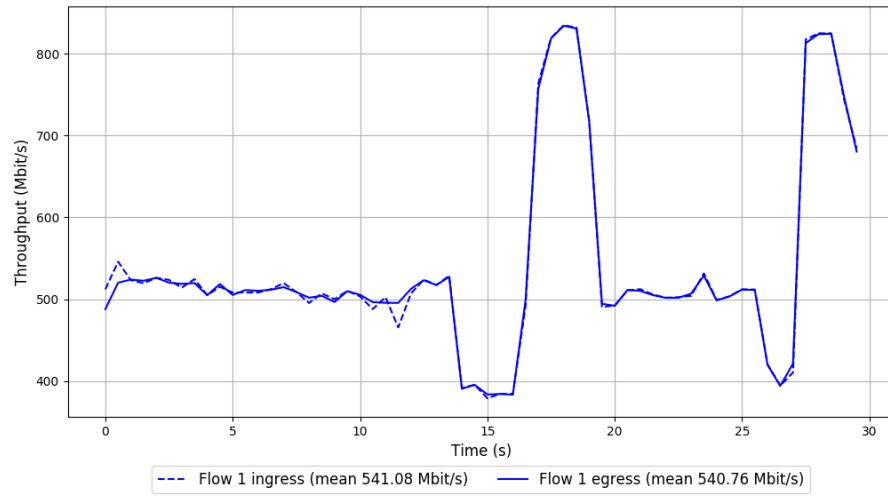
Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2017-09-03 02:06:57
End at: 2017-09-03 02:07:27
Local clock offset: -3.535 ms
Remote clock offset: 0.883 ms


# Below is generated by plot.py at 2017-09-03 08:54:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 495.59 Mbit/s
95th percentile per-packet one-way delay: 48.506 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 495.59 Mbit/s
95th percentile per-packet one-way delay: 48.506 ms
Loss rate: 0.06%
```
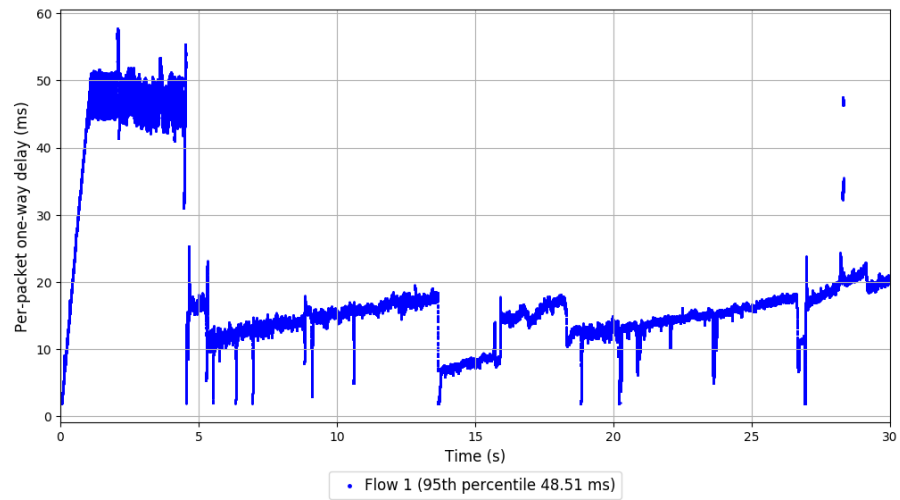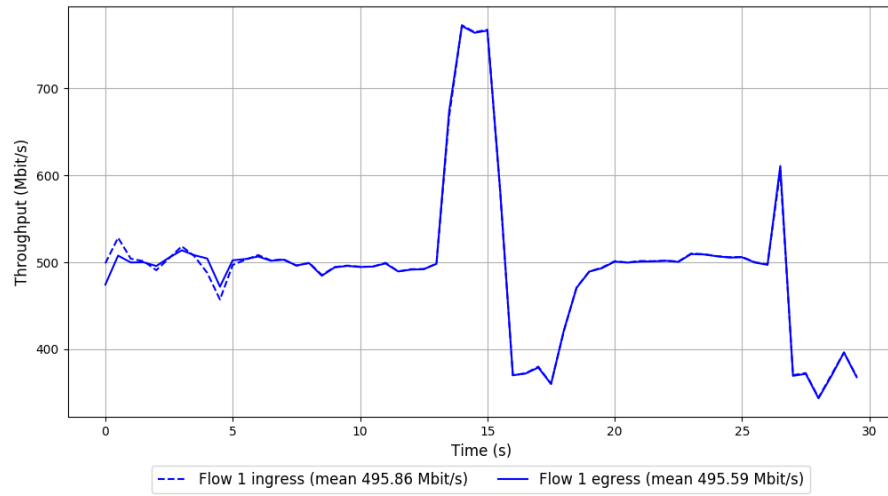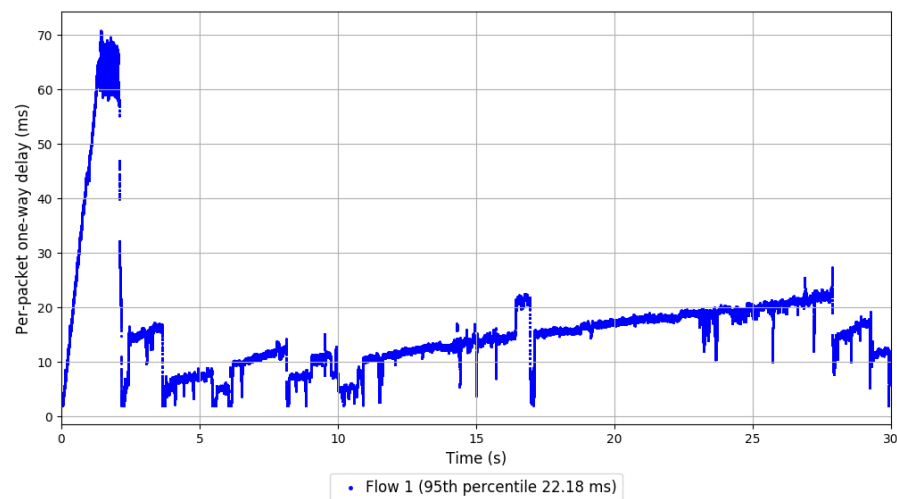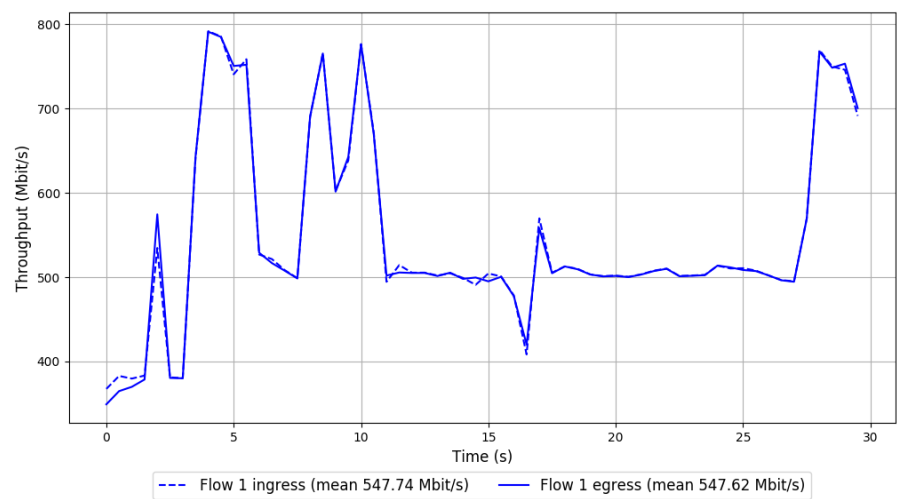
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 495.86 Mbit/s)   Flow 1 egress (mean 495.59 Mbit/s)

• Flow 1 (95th percentile 48.51 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2017-09-03 02:25:58
End at: 2017-09-03 02:26:28
Local clock offset: -3.769 ms
Remote clock offset: 0.834 ms


# Below is generated by plot.py at 2017-09-03 08:55:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 547.62 Mbit/s
95th percentile per-packet one-way delay: 22.179 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 547.62 Mbit/s
95th percentile per-packet one-way delay: 22.179 ms
Loss rate: 0.03%
```
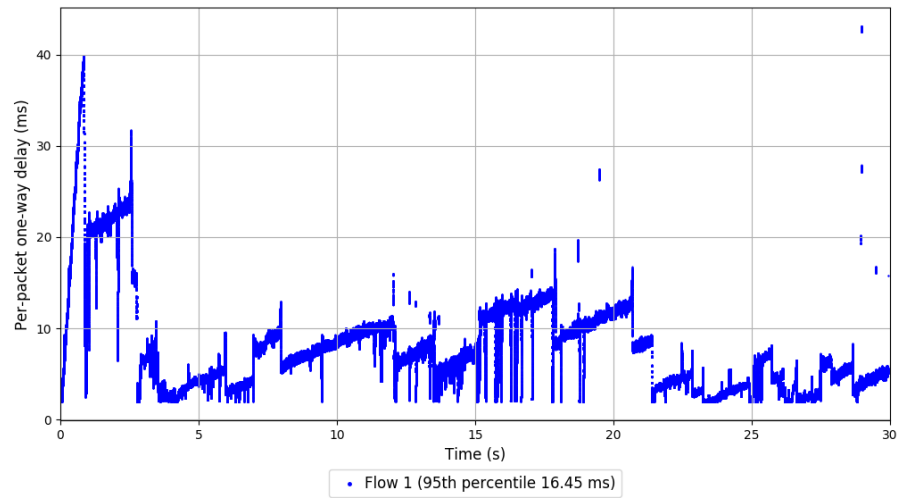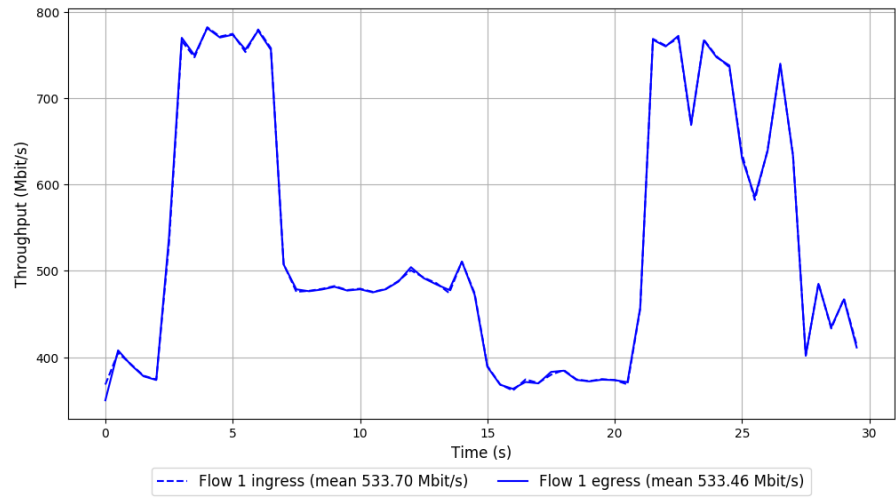
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 547.74 Mbit/s)   Flow 1 egress (mean 547.62 Mbit/s)

Flow 1 (95th percentile 22.18 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2017-09-03 02:44:47
End at: 2017-09-03 02:45:17
Local clock offset: -3.94 ms
Remote clock offset: 0.894 ms


# Below is generated by plot.py at 2017-09-03 08:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 533.46 Mbit/s
95th percentile per-packet one-way delay: 16.449 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 533.46 Mbit/s
95th percentile per-packet one-way delay: 16.449 ms
Loss rate: 0.02%
```

Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: 2017-09-03 03:03:43
End at: 2017-09-03 03:04:13
Local clock offset: -3.865 ms
Remote clock offset: 0.837 ms


# Below is generated by plot.py at 2017-09-03 08:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 565.93 Mbit/s
95th percentile per-packet one-way delay: 24.912 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 565.93 Mbit/s
95th percentile per-packet one-way delay: 24.912 ms
Loss rate: 0.05%
```
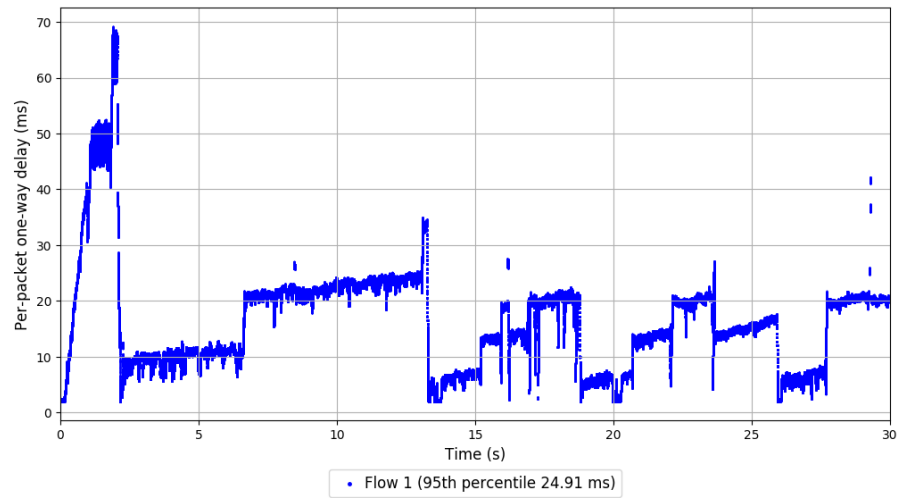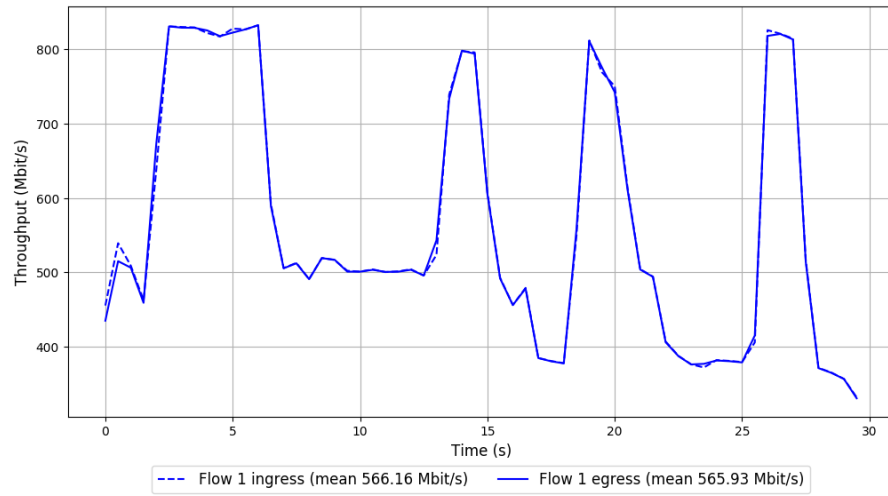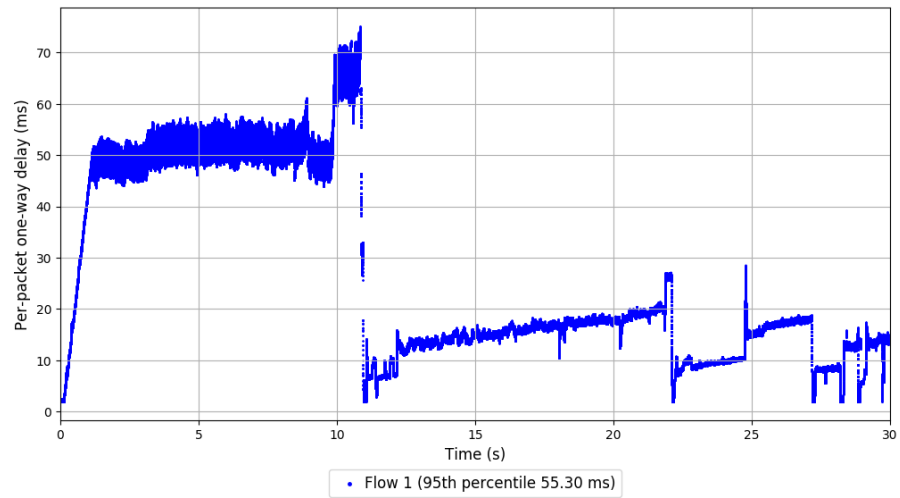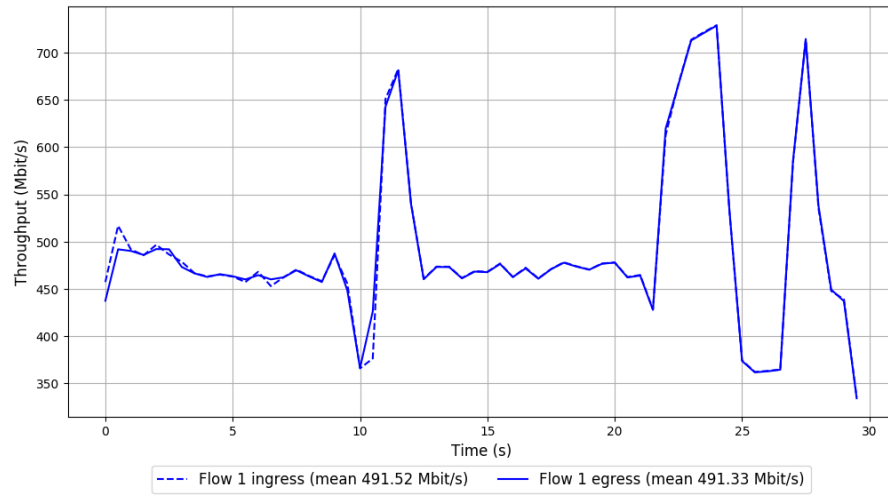
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 566.16 Mbit/s)   Flow 1 egress (mean 565.93 Mbit/s)

Flow 1 (95th percentile 24.91 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-09-03 03:22:31
End at: 2017-09-03 03:23:01
Local clock offset: -3.895 ms
Remote clock offset: 0.685 ms


# Below is generated by plot.py at 2017-09-03 08:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 491.33 Mbit/s
95th percentile per-packet one-way delay: 55.301 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 491.33 Mbit/s
95th percentile per-packet one-way delay: 55.301 ms
Loss rate: 0.05%
```
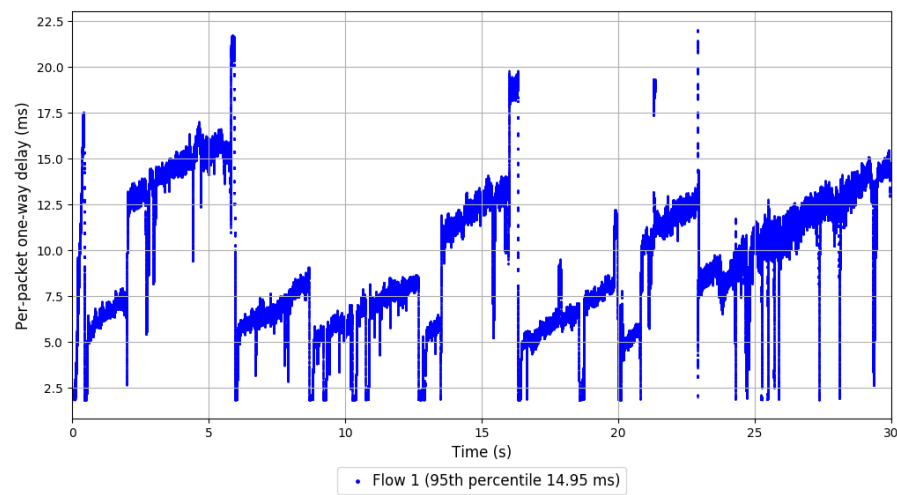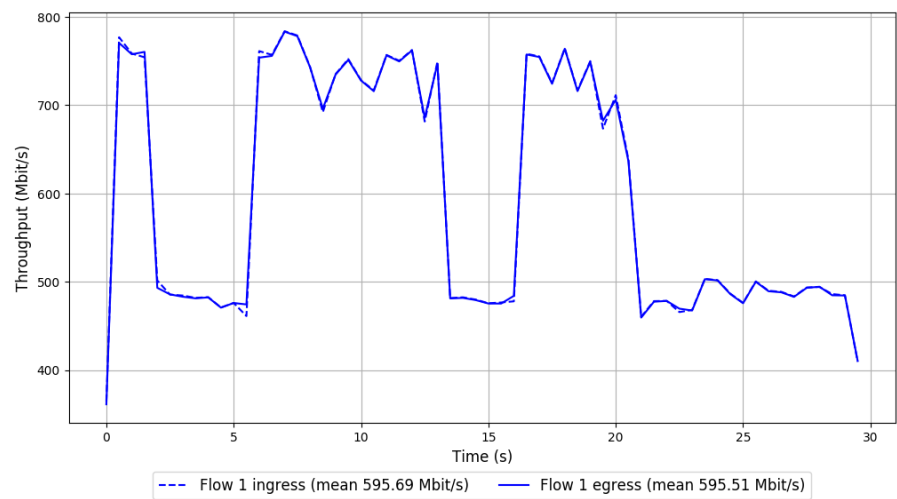
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 491.52 Mbit/s)   Flow 1 egress (mean 491.33 Mbit/s)

• Flow 1 (95th percentile 55.30 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2017-09-03 03:41:37
End at: 2017-09-03 03:42:07
Local clock offset: -3.973 ms
Remote clock offset: 0.478 ms


# Below is generated by plot.py at 2017-09-03 08:57:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 595.51 Mbit/s
95th percentile per-packet one-way delay: 14.948 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 595.51 Mbit/s
95th percentile per-packet one-way delay: 14.948 ms
Loss rate: 0.04%
```
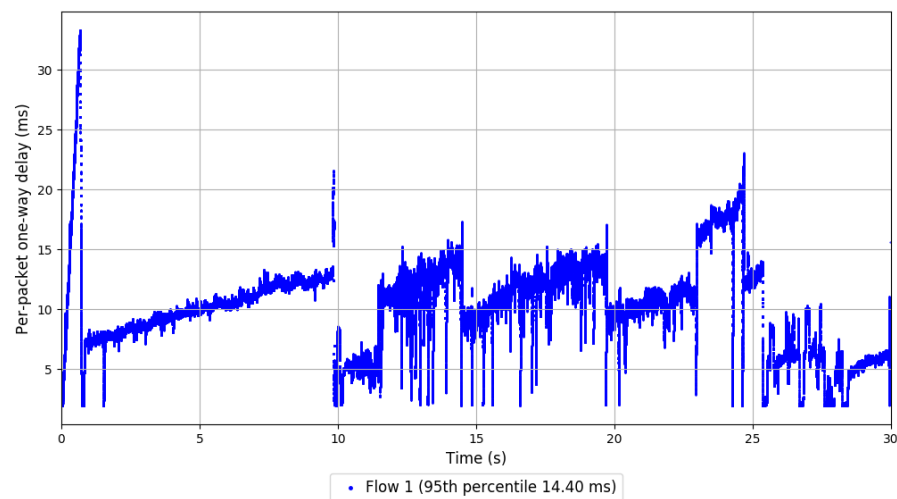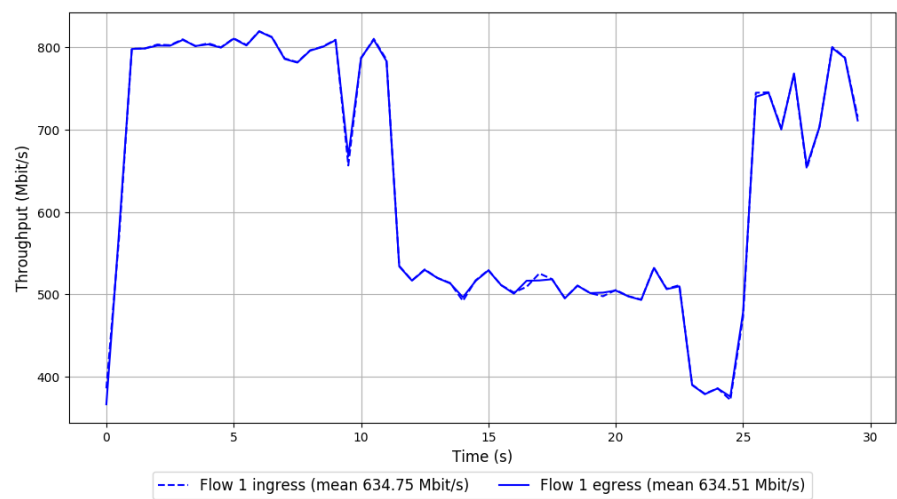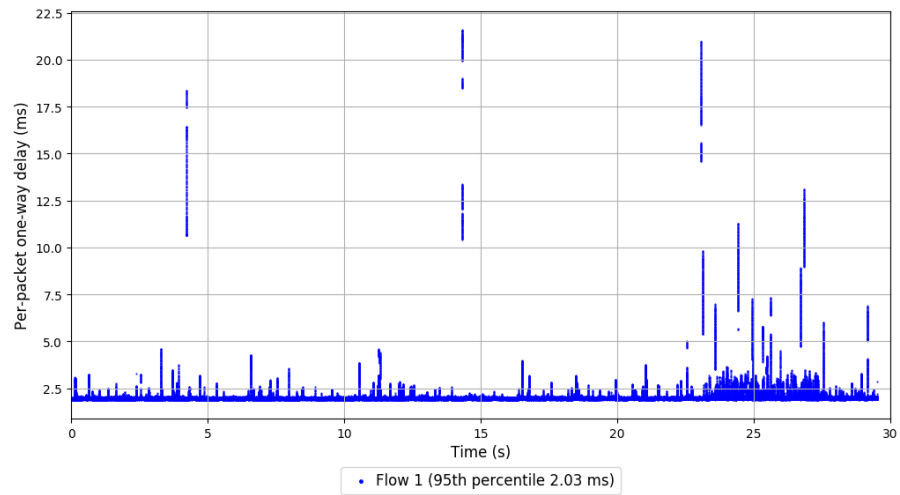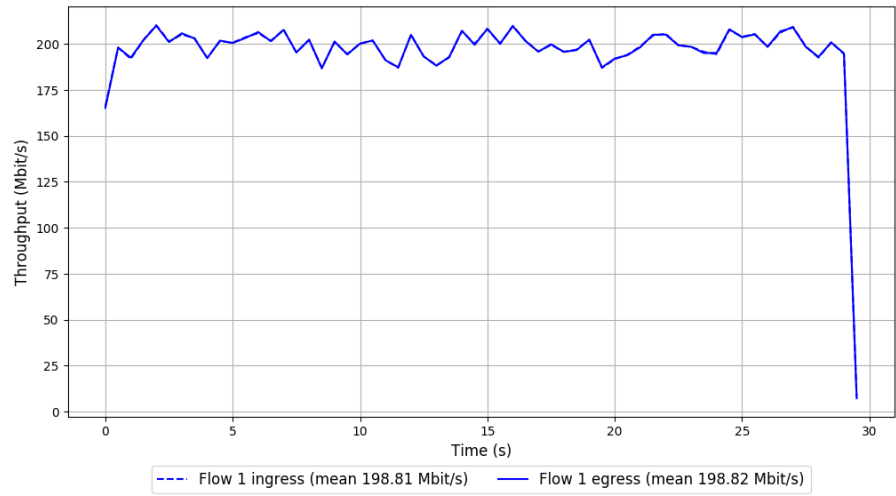
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 595.69 Mbit/s)   Flow 1 egress (mean 595.51 Mbit/s)

Flow 1 (95th percentile 14.95 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2017-09-03 04:00:50
End at: 2017-09-03 04:01:20
Local clock offset: -3.745 ms
Remote clock offset: 0.223 ms


# Below is generated by plot.py at 2017-09-03 08:57:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 634.51 Mbit/s
95th percentile per-packet one-way delay: 14.397 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 634.51 Mbit/s
95th percentile per-packet one-way delay: 14.397 ms
Loss rate: 0.04%
```

Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of Indigo

Start at: 2017-09-03 01:08:36
End at: 2017-09-03 01:09:06
Local clock offset: -2.295 ms
Remote clock offset: 0.234 ms


# Below is generated by plot.py at 2017-09-03 08:58:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.82 Mbit/s
95th percentile per-packet one-way delay: 2.028 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 198.82 Mbit/s
95th percentile per-packet one-way delay: 2.028 ms
Loss rate: 0.01%
```
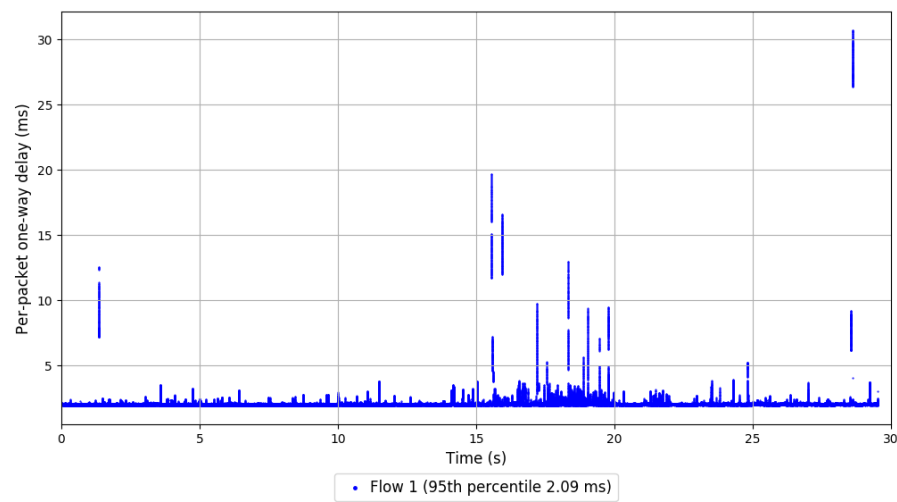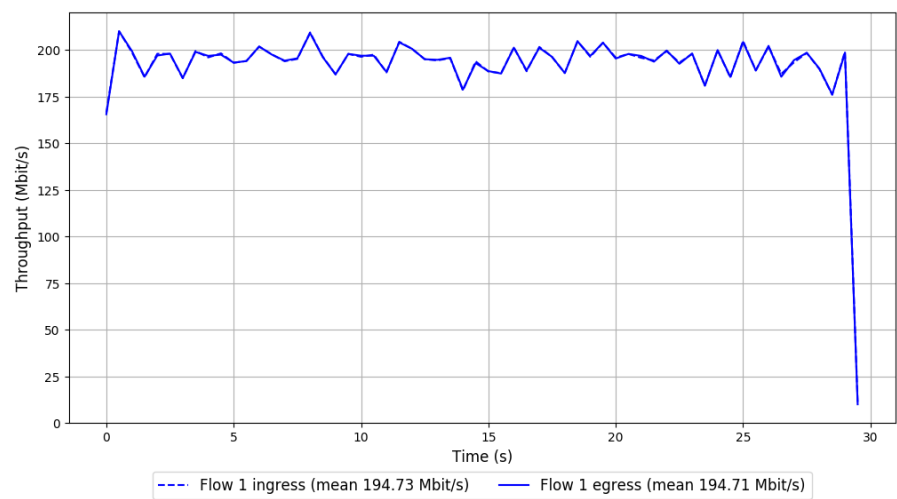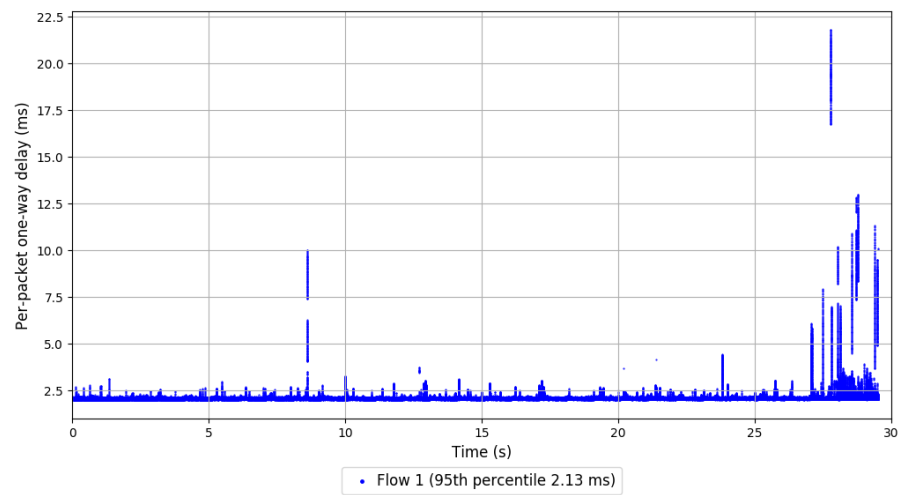
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2017-09-03 01:27:44
End at: 2017-09-03 01:28:14
Local clock offset: -2.651 ms
Remote clock offset: 0.517 ms


# Below is generated by plot.py at 2017-09-03 08:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.71 Mbit/s
95th percentile per-packet one-way delay: 2.087 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 194.71 Mbit/s
95th percentile per-packet one-way delay: 2.087 ms
Loss rate: 0.02%
```

Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2017-09-03 01:46:32
End at: 2017-09-03 01:47:02
Local clock offset: -3.156 ms
Remote clock offset: 0.702 ms


# Below is generated by plot.py at 2017-09-03 08:58:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.80 Mbit/s
95th percentile per-packet one-way delay: 2.127 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 195.80 Mbit/s
95th percentile per-packet one-way delay: 2.127 ms
Loss rate: 0.02%
```
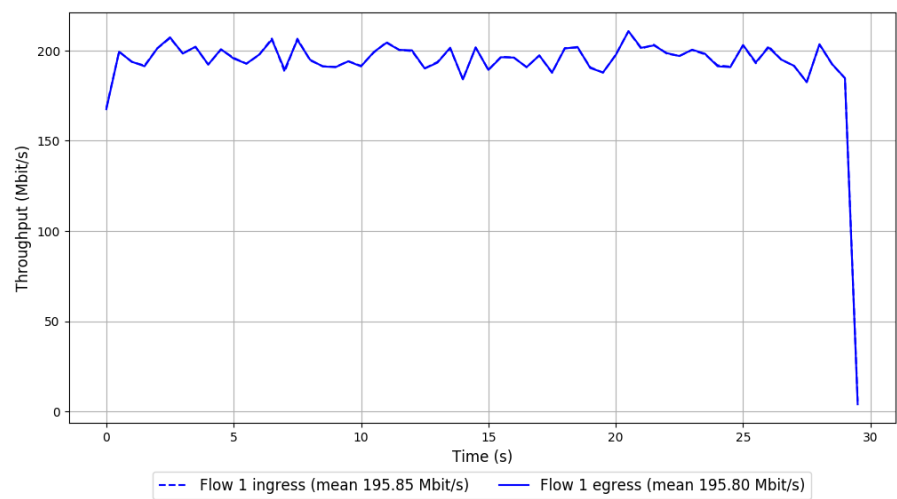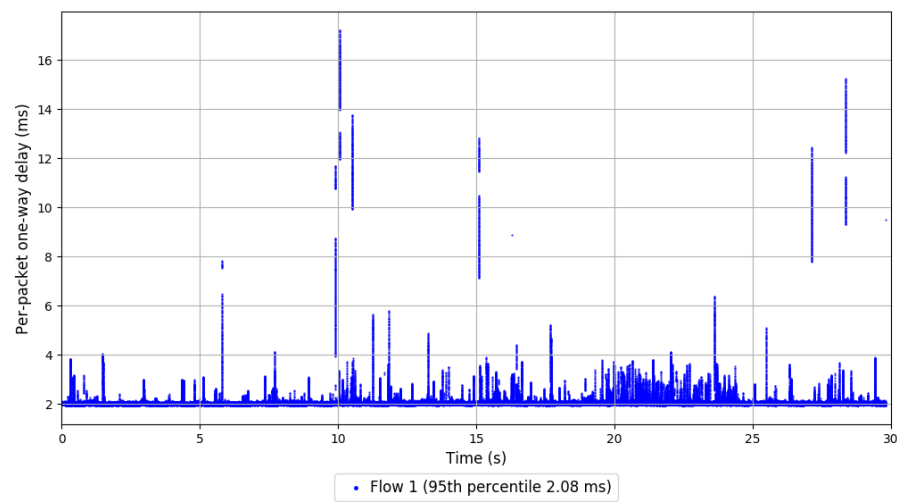
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-09-03 02:05:42
End at: 2017-09-03 02:06:12
Local clock offset: -3.601 ms
Remote clock offset: 0.785 ms


# Below is generated by plot.py at 2017-09-03 08:58:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.94 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 193.94 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.03%
```
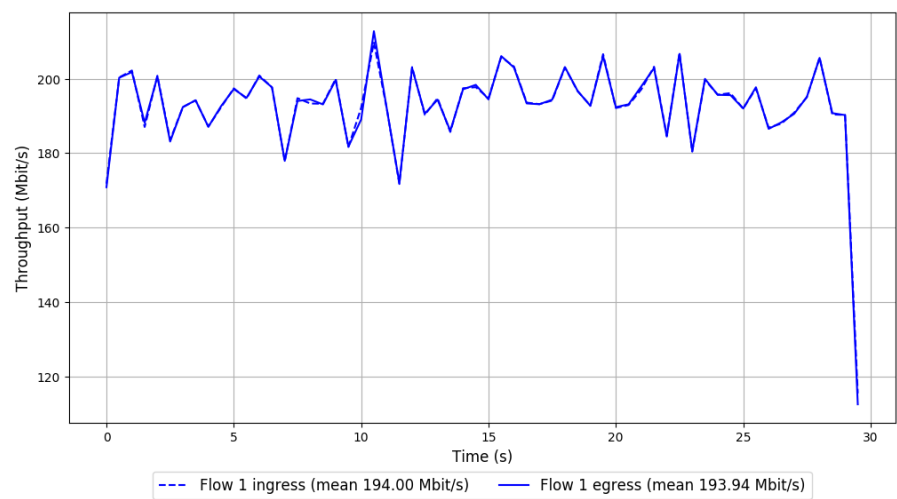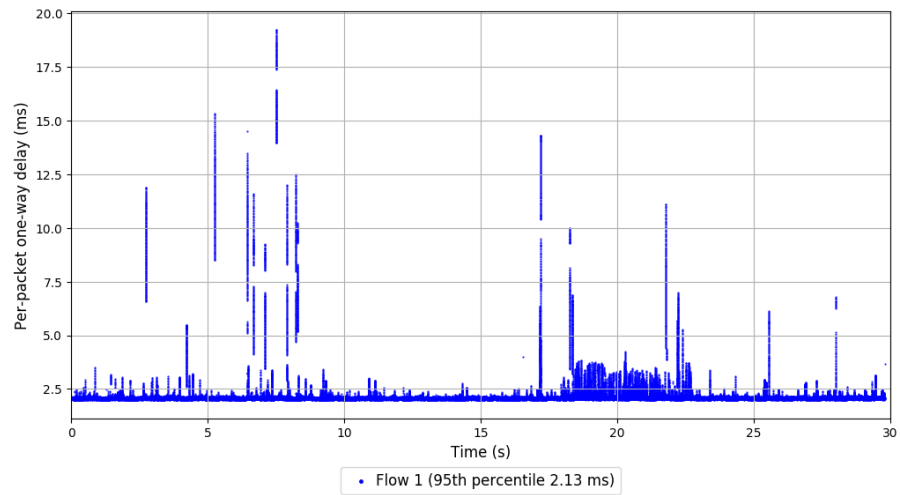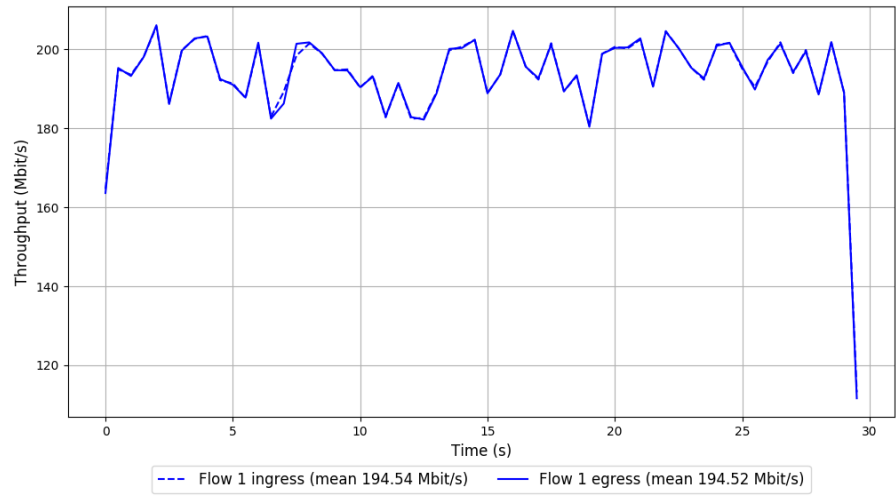
Run 4: Report of Indigo — Data Link

Flow 1 ingress (mean 194.00 Mbit/s) ——— Flow 1 egress (mean 193.94 Mbit/s)

• Flow 1 (95th percentile 2.08 ms)

```
Run 5: Statistics of Indigo

Start at: 2017-09-03 02:24:42
End at: 2017-09-03 02:25:12
Local clock offset: -3.741 ms
Remote clock offset: 0.798 ms


# Below is generated by plot.py at 2017-09-03 08:59:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.52 Mbit/s
95th percentile per-packet one-way delay: 2.127 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 194.52 Mbit/s
95th percentile per-packet one-way delay: 2.127 ms
Loss rate: 0.02%
```
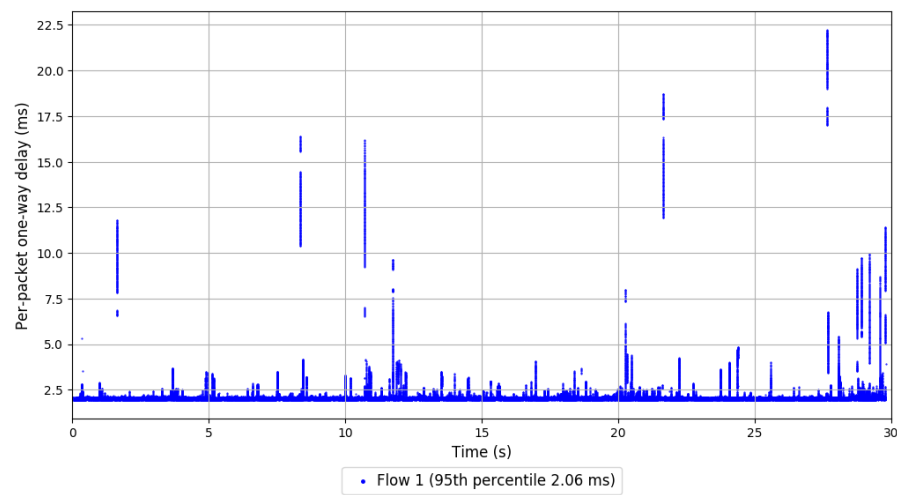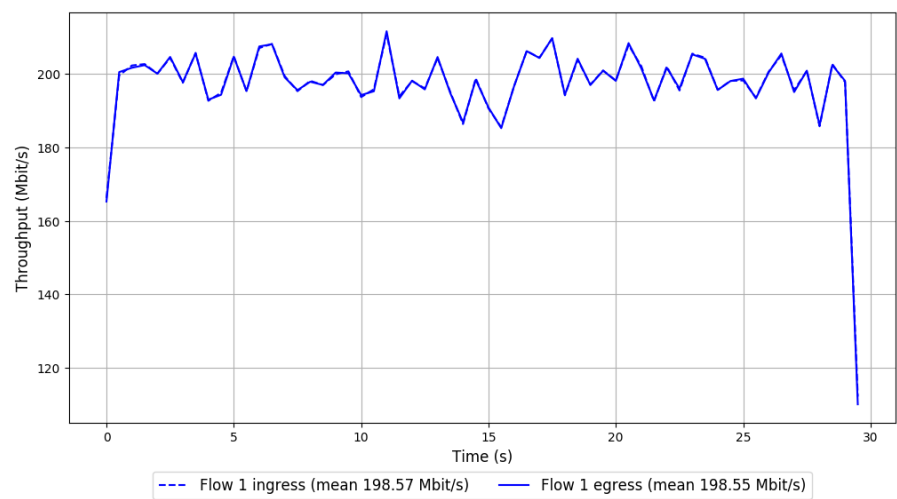
Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-09-03 02:43:31
End at: 2017-09-03 02:44:01
Local clock offset: -3.921 ms
Remote clock offset: 0.885 ms


# Below is generated by plot.py at 2017-09-03 08:59:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.55 Mbit/s
95th percentile per-packet one-way delay: 2.063 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 198.55 Mbit/s
95th percentile per-packet one-way delay: 2.063 ms
Loss rate: 0.02%
```
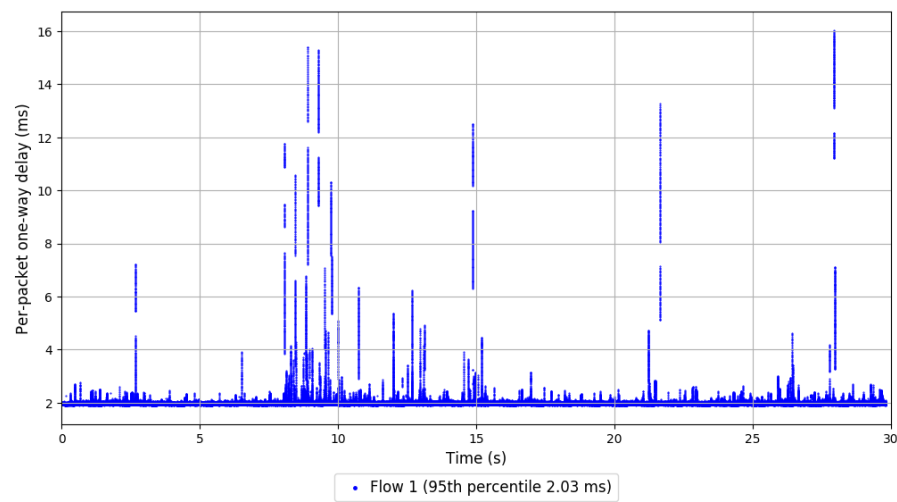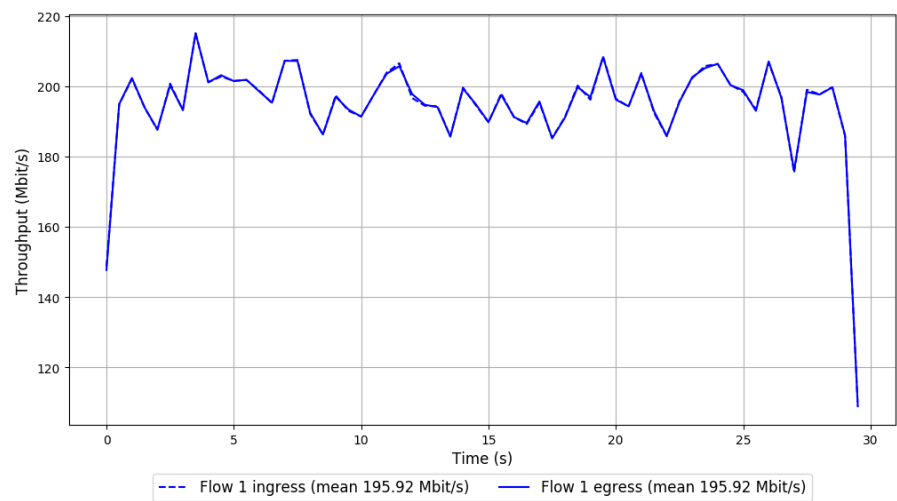
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-09-03 03:02:27
End at: 2017-09-03 03:02:57
Local clock offset: -3.909 ms
Remote clock offset: 0.829 ms


# Below is generated by plot.py at 2017-09-03 08:59:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.92 Mbit/s
95th percentile per-packet one-way delay: 2.034 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 195.92 Mbit/s
95th percentile per-packet one-way delay: 2.034 ms
Loss rate: 0.01%
```

Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-09-03 03:21:15
End at: 2017-09-03 03:21:45
Local clock offset: -3.981 ms
Remote clock offset: 0.656 ms

# Below is generated by plot.py at 2017-09-03 08:59:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.84 Mbit/s
95th percentile per-packet one-way delay: 1.982 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 194.84 Mbit/s
95th percentile per-packet one-way delay: 1.982 ms
Loss rate: 0.03%
```
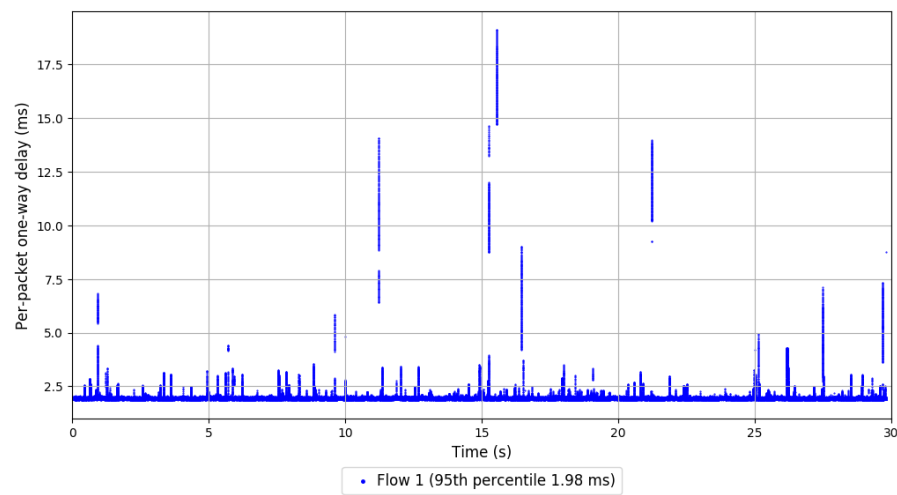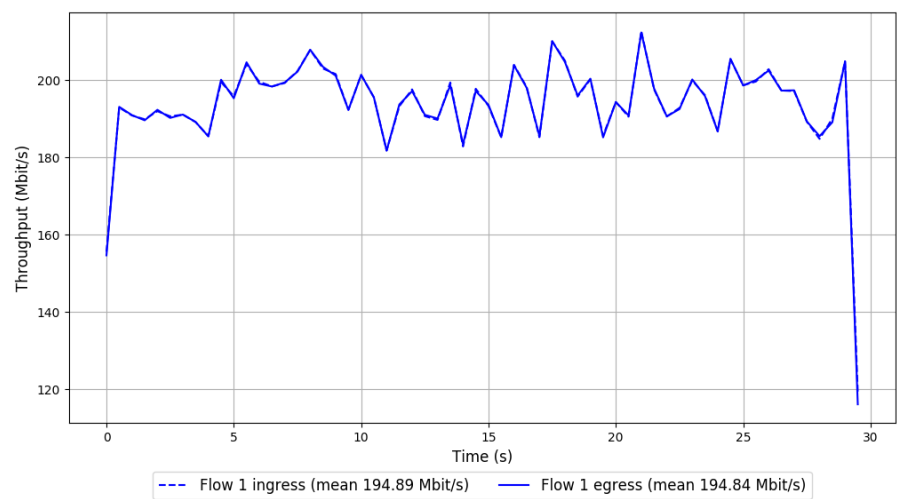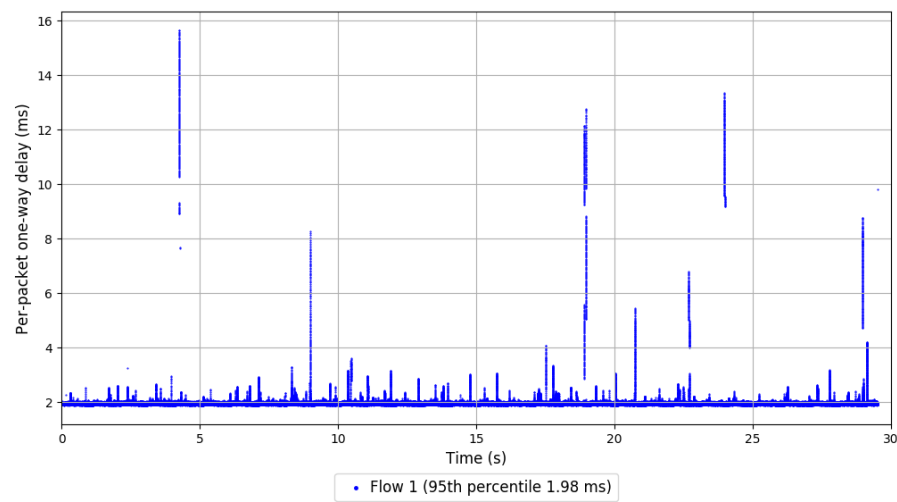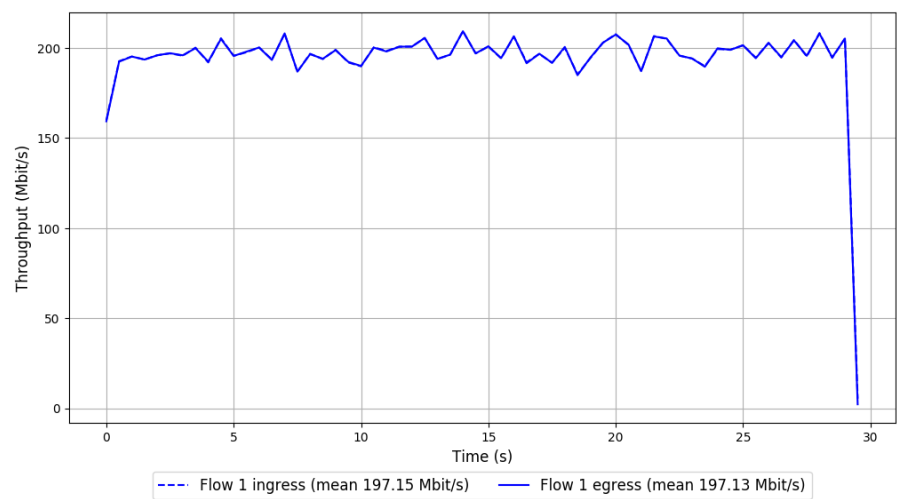
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2017-09-03 03:40:21
End at: 2017-09-03 03:40:51
Local clock offset: -3.951 ms
Remote clock offset: 0.489 ms


# Below is generated by plot.py at 2017-09-03 08:59:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.13 Mbit/s
95th percentile per-packet one-way delay: 1.980 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 197.13 Mbit/s
95th percentile per-packet one-way delay: 1.980 ms
Loss rate: 0.03%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2017-09-03 03:59:34
End at: 2017-09-03 04:00:04
Local clock offset: -3.713 ms
Remote clock offset: 0.31 ms


# Below is generated by plot.py at 2017-09-03 09:00:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.60 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.60 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.00%
```
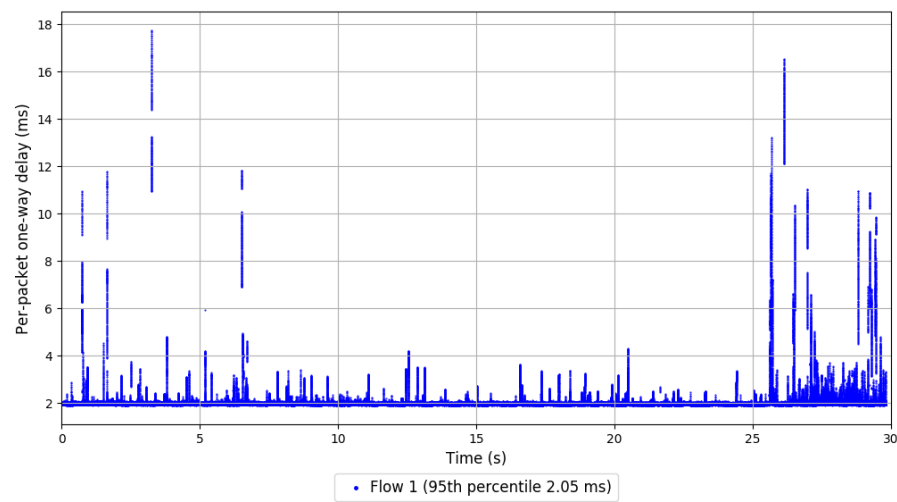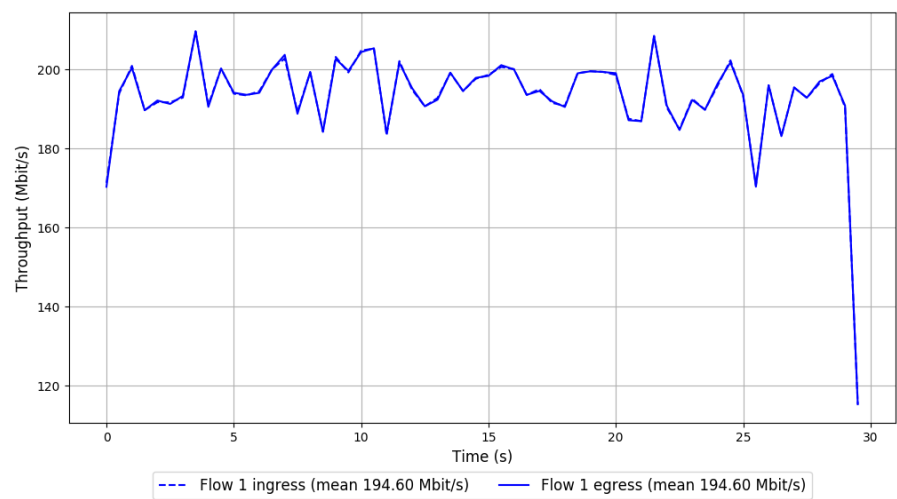
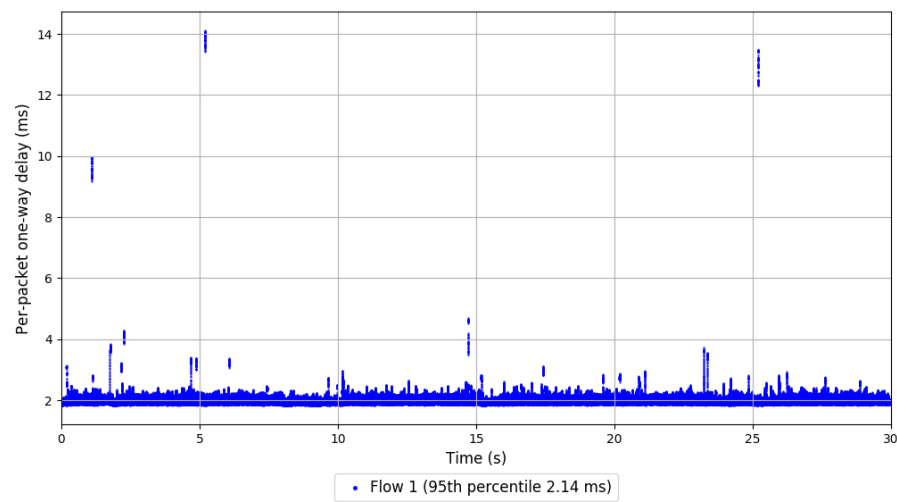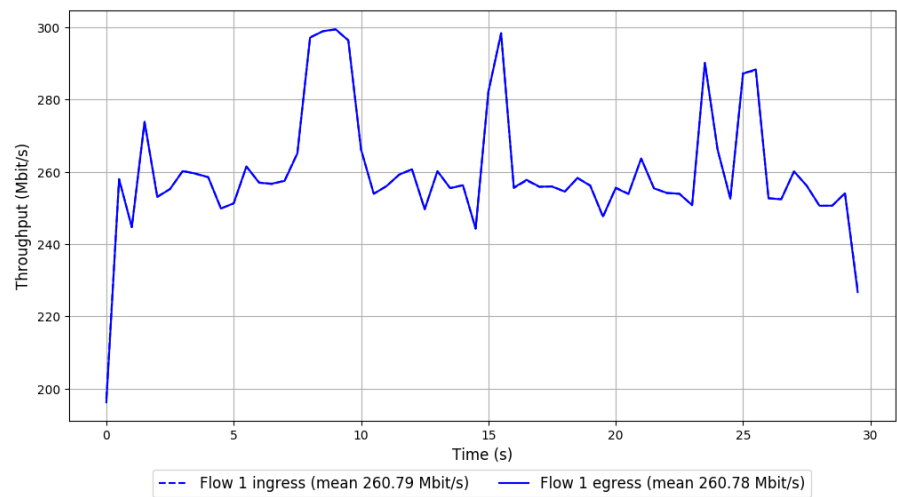Run 10: Report of Indigo — Data Link

```
Run 1: Statistics of KohoCC

Start at: 2017-09-03 01:05:05
End at: 2017-09-03 01:05:35
Local clock offset: -2.279 ms
Remote clock offset: 0.233 ms


# Below is generated by plot.py at 2017-09-03 09:00:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.78 Mbit/s
95th percentile per-packet one-way delay: 2.142 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 260.78 Mbit/s
95th percentile per-packet one-way delay: 2.142 ms
Loss rate: 0.01%
```

Run 1: Report of KohoCC — Data Link

```
Run 2: Statistics of KohoCC

Start at: 2017-09-03 01:24:13
End at: 2017-09-03 01:24:43
Local clock offset: -2.533 ms
Remote clock offset: 0.444 ms


# Below is generated by plot.py at 2017-09-03 09:00:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 258.14 Mbit/s
95th percentile per-packet one-way delay: 2.838 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 258.14 Mbit/s
95th percentile per-packet one-way delay: 2.838 ms
Loss rate: 0.02%
```
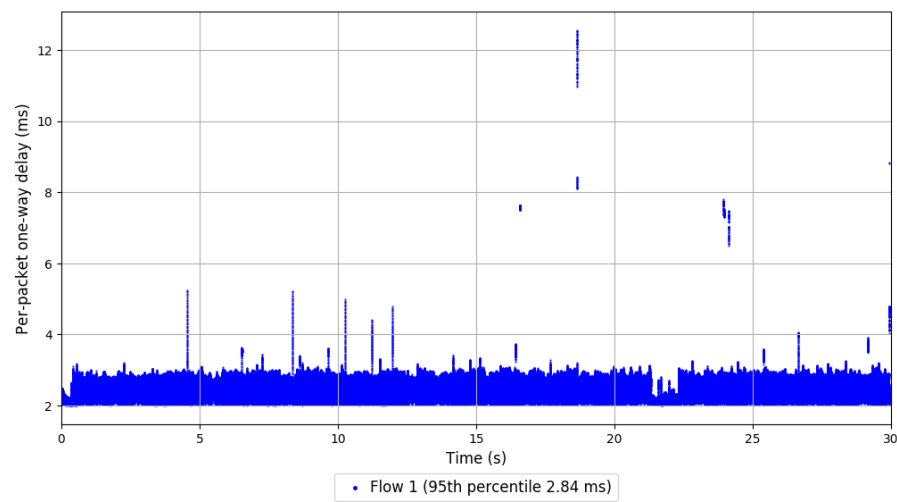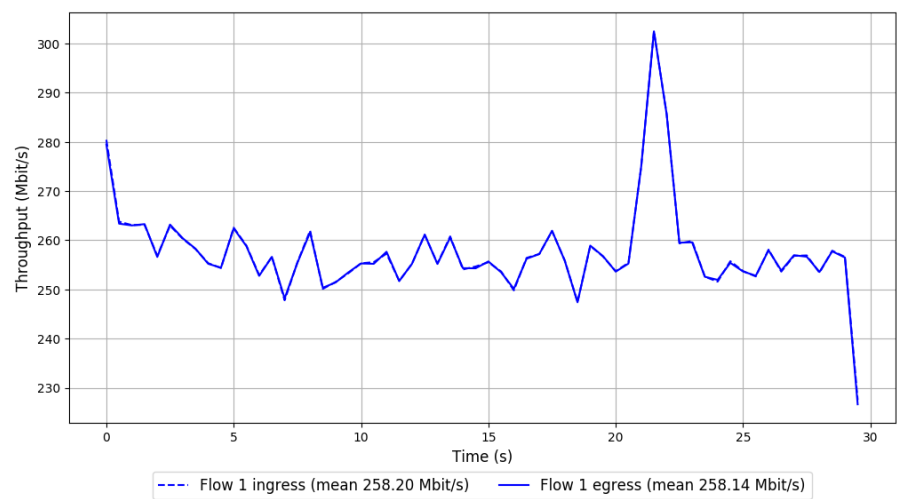
Run 2: Report of KohoCC — Data Link

```
Run 3: Statistics of KohoCC

Start at: 2017-09-03 01:43:16
End at: 2017-09-03 01:43:46
Local clock offset: -3.147 ms
Remote clock offset: 0.733 ms


# Below is generated by plot.py at 2017-09-03 09:00:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 2.005 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 2.005 ms
Loss rate: 0.01%
```
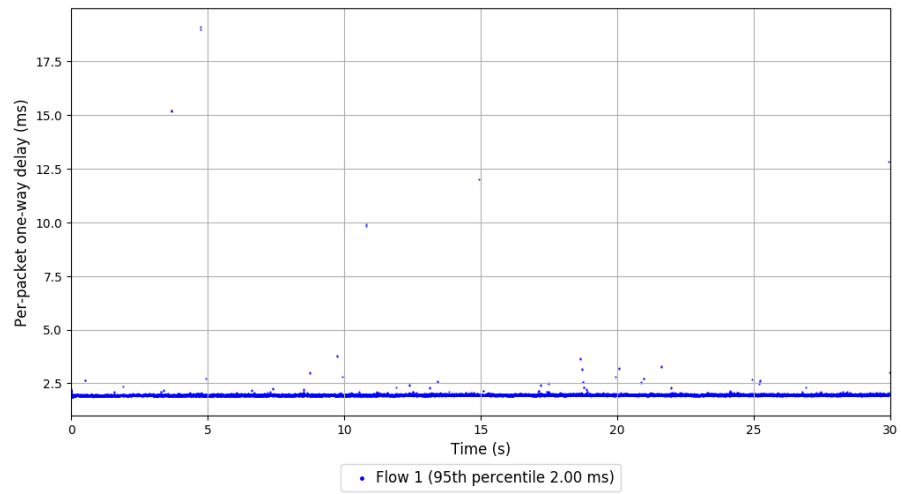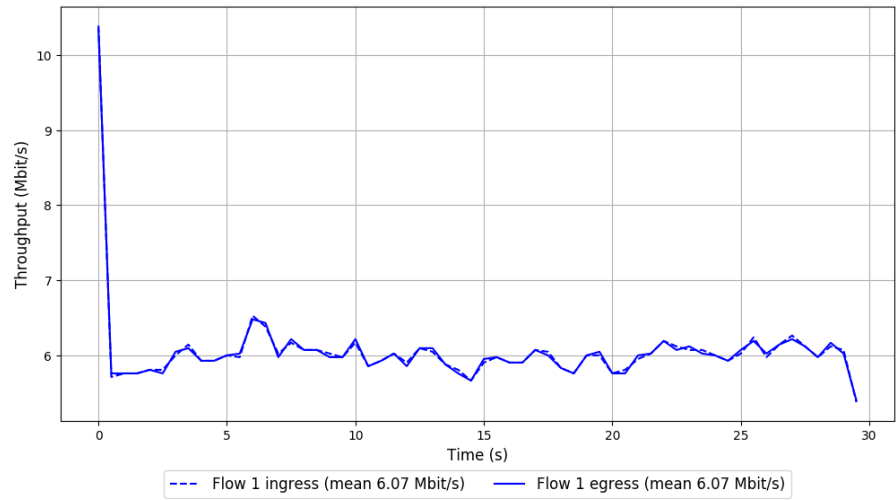
Run 3: Report of KohoCC — Data Link

```
Run 4: Statistics of KohoCC

Start at: 2017-09-03 02:02:10
End at: 2017-09-03 02:02:40
Local clock offset: -3.476 ms
Remote clock offset: 0.835 ms


# Below is generated by plot.py at 2017-09-03 09:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.64 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 266.64 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.01%
```
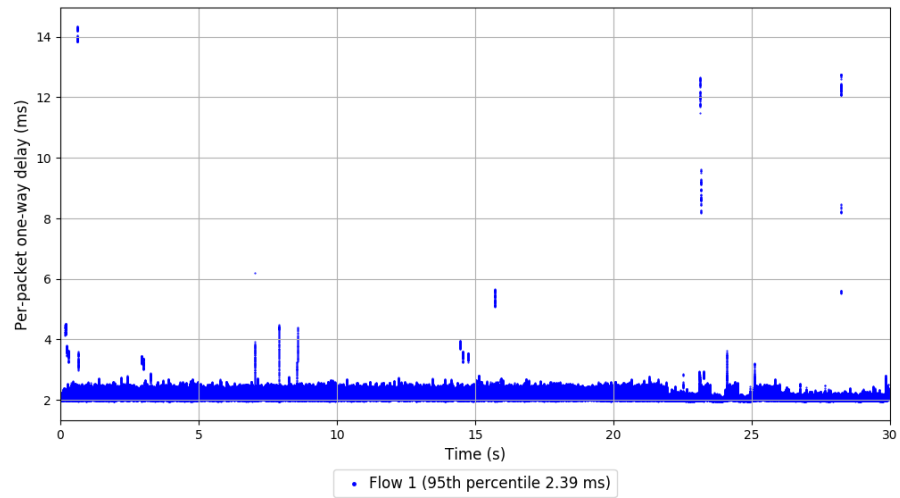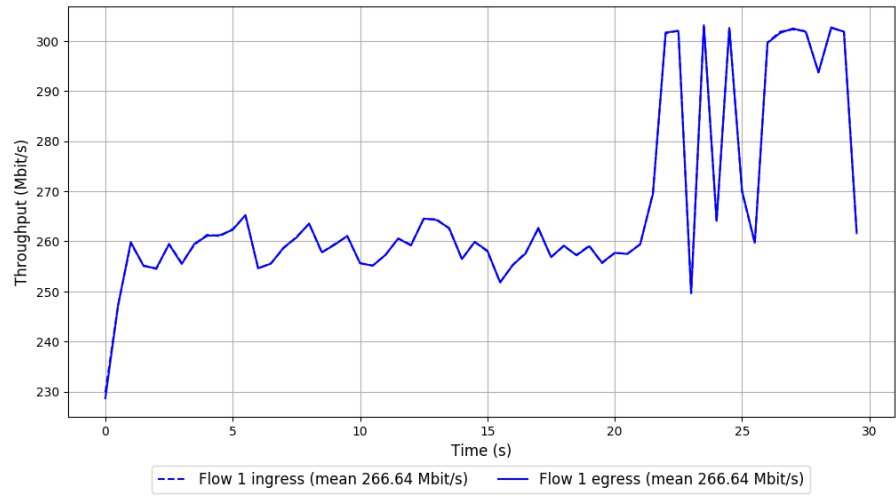
Run 4: Report of KohoCC — Data Link

```
Run 5: Statistics of KohoCC

Start at: 2017-09-03 02:21:21
End at: 2017-09-03 02:21:51
Local clock offset: -3.747 ms
Remote clock offset: 0.882 ms


# Below is generated by plot.py at 2017-09-03 09:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 2.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 2.078 ms
Loss rate: 0.00%
```
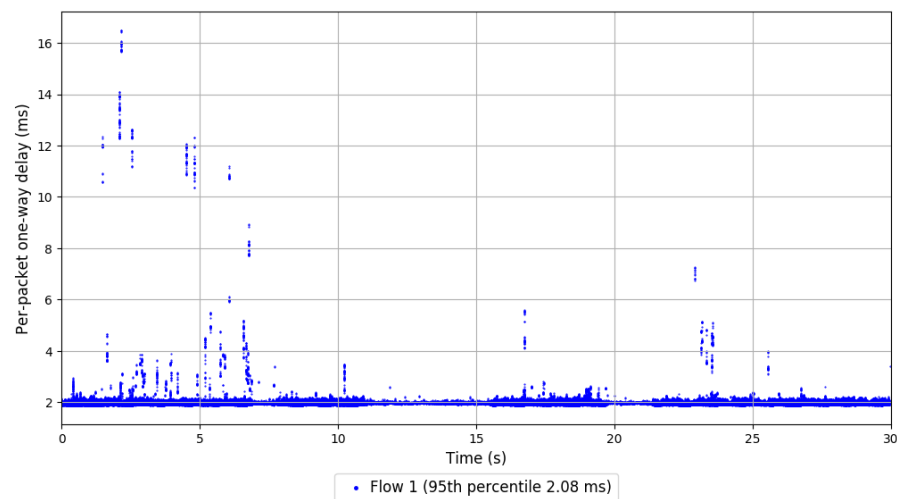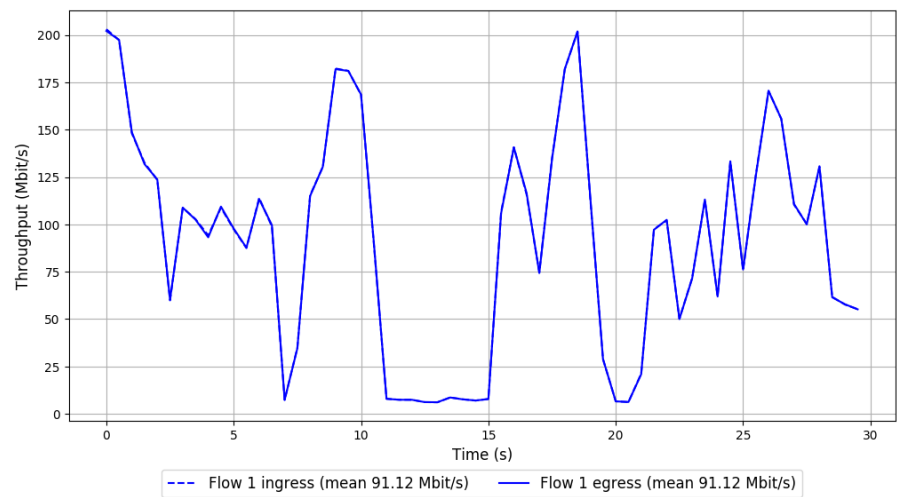
Run 5: Report of KohoCC — Data Link

Flow 1 ingress (mean 91.12 Mbit/s)   Flow 1 egress (mean 91.12 Mbit/s)

Flow 1 (95th percentile 2.08 ms)

```
Run 6: Statistics of KohoCC

Start at: 2017-09-03 02:40:15
End at: 2017-09-03 02:40:45
Local clock offset: -4.049 ms
Remote clock offset: 0.876 ms


# Below is generated by plot.py at 2017-09-03 09:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 2.027 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 2.027 ms
Loss rate: 0.01%
```
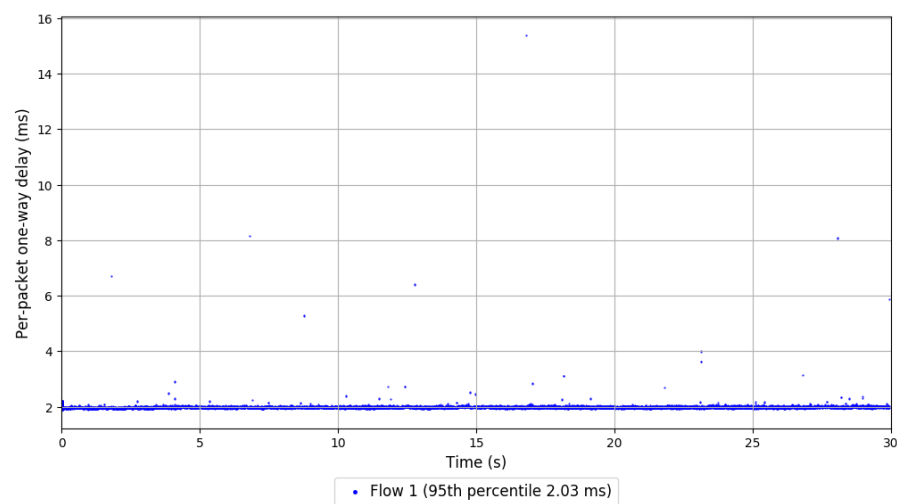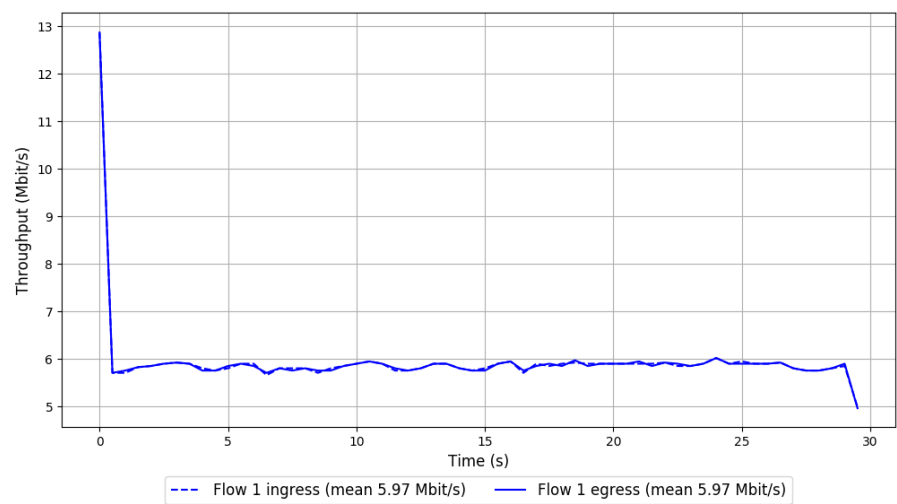
Run 6: Report of KohoCC — Data Link

```
Run 7: Statistics of KohoCC

Start at: 2017-09-03 02:59:12
End at: 2017-09-03 02:59:42
Local clock offset: -3.906 ms
Remote clock offset: 0.799 ms


# Below is generated by plot.py at 2017-09-03 09:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 2.128 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 2.128 ms
Loss rate: 0.01%
```
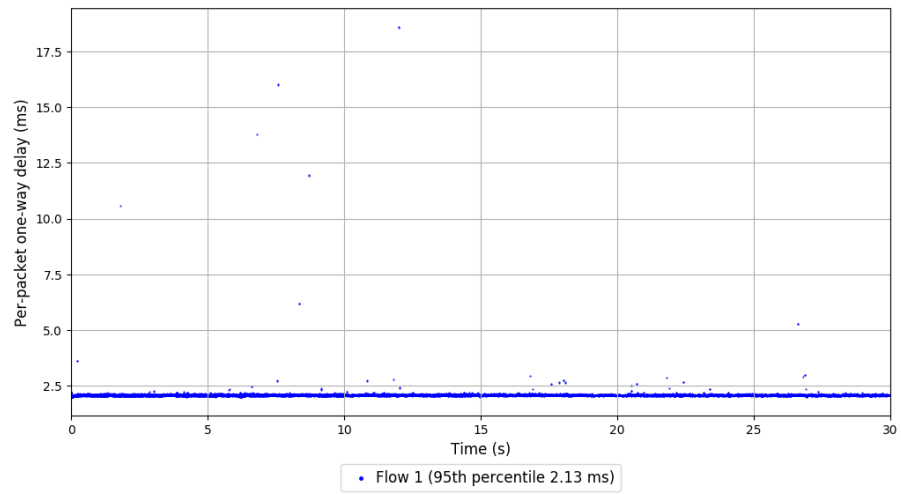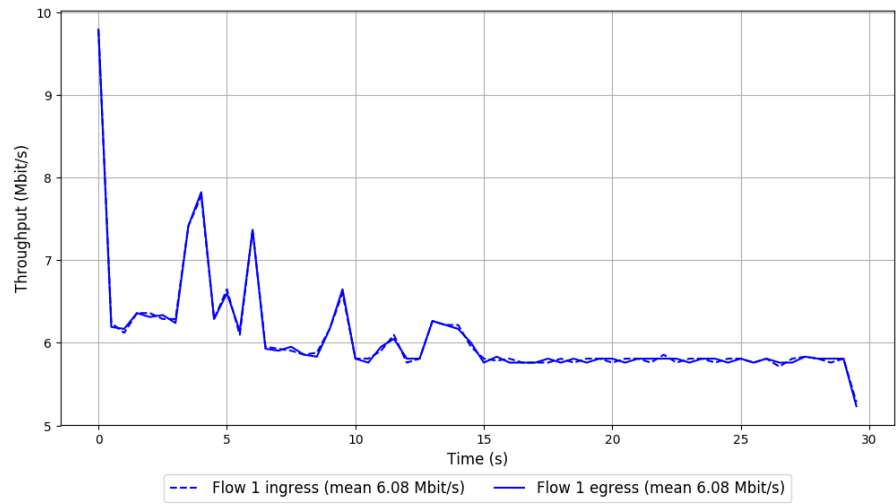
Run 7: Report of KohoCC — Data Link

```
Run 8: Statistics of KohoCC

Start at: 2017-09-03 03:17:58
End at: 2017-09-03 03:18:28
Local clock offset: -3.928 ms
Remote clock offset: 0.607 ms


# Below is generated by plot.py at 2017-09-03 09:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 2.175 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 2.175 ms
Loss rate: 0.02%
```
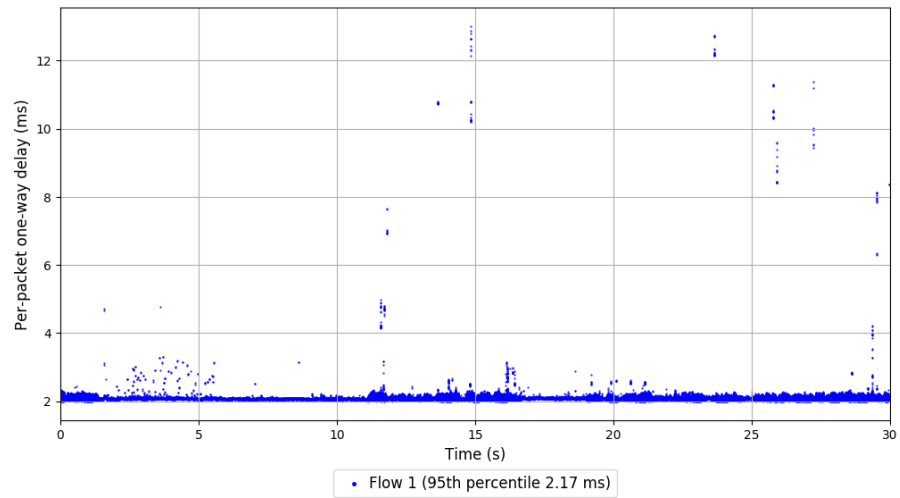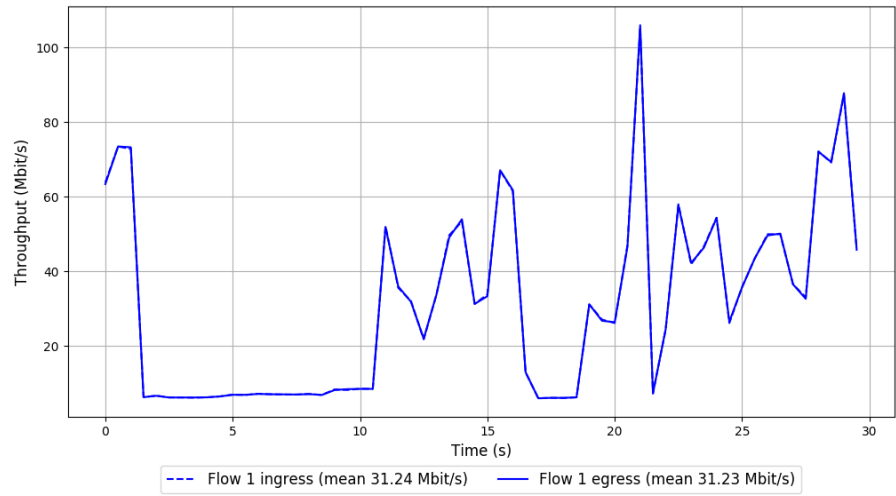
Run 8: Report of KohoCC — Data Link

Flow 1 ingress (mean 31.24 Mbit/s) ——— Flow 1 egress (mean 31.23 Mbit/s)

• Flow 1 (95th percentile 2.17 ms)

```
Run 9: Statistics of KohoCC

Start at: 2017-09-03 03:36:49
End at: 2017-09-03 03:37:19
Local clock offset: -3.984 ms
Remote clock offset: 0.429 ms


# Below is generated by plot.py at 2017-09-03 09:01:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 268.54 Mbit/s
95th percentile per-packet one-way delay: 2.212 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 268.54 Mbit/s
95th percentile per-packet one-way delay: 2.212 ms
Loss rate: 0.01%
```
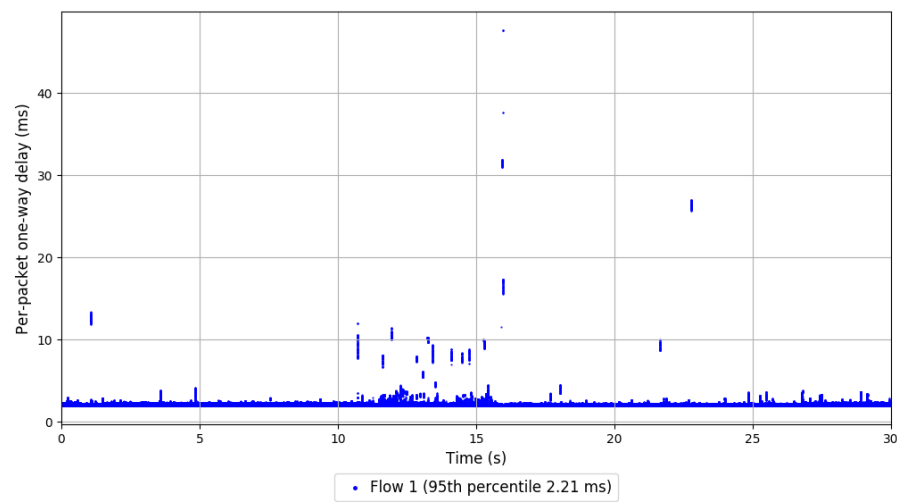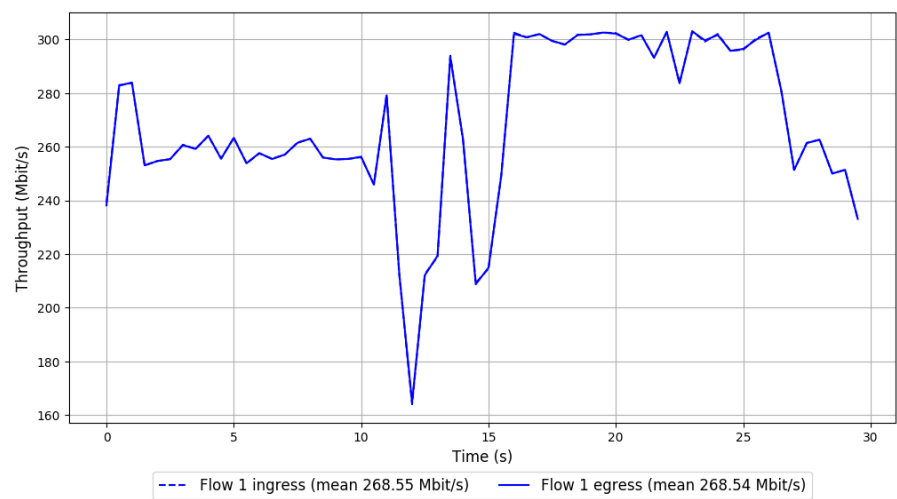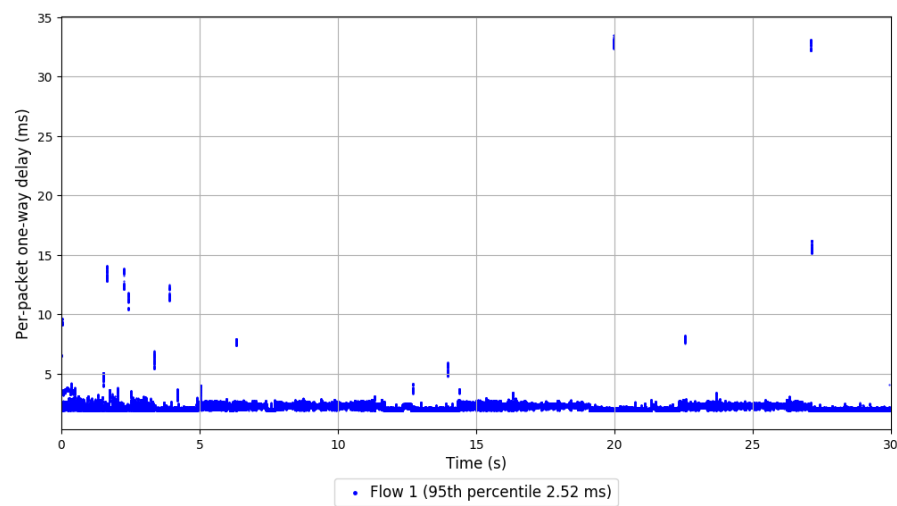
Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 268.55 Mbit/s) — Flow 1 egress (mean 268.54 Mbit/s)

Flow 1 (95th percentile 2.21 ms)

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```
Run 10: Statistics of KohoCC

Start at: 2017-09-03 03:56:01
End at: 2017-09-03 03:56:31
Local clock offset: -3.761 ms
Remote clock offset: 0.368 ms

# Below is generated by plot.py at 2017-09-03 09:01:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 283.04 Mbit/s
95th percentile per-packet one-way delay: 2.521 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 283.04 Mbit/s
95th percentile per-packet one-way delay: 2.521 ms
Loss rate: 0.01%
```
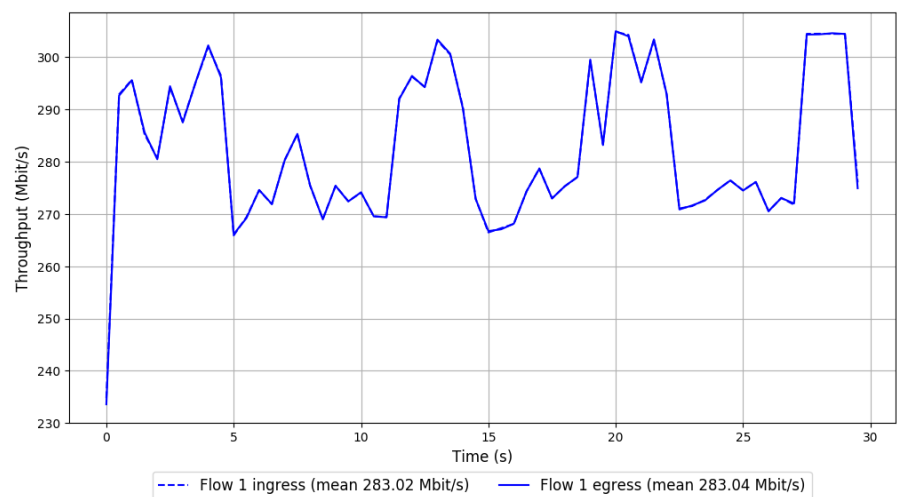
Run 10: Report of KohoCC — Data Link

Flow 1 ingress (mean 283.02 Mbit/s)   Flow 1 egress (mean 283.04 Mbit/s)

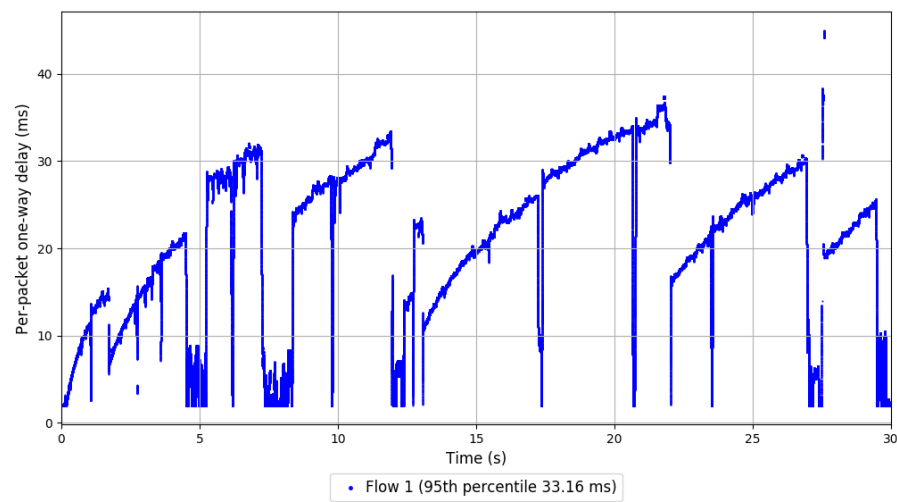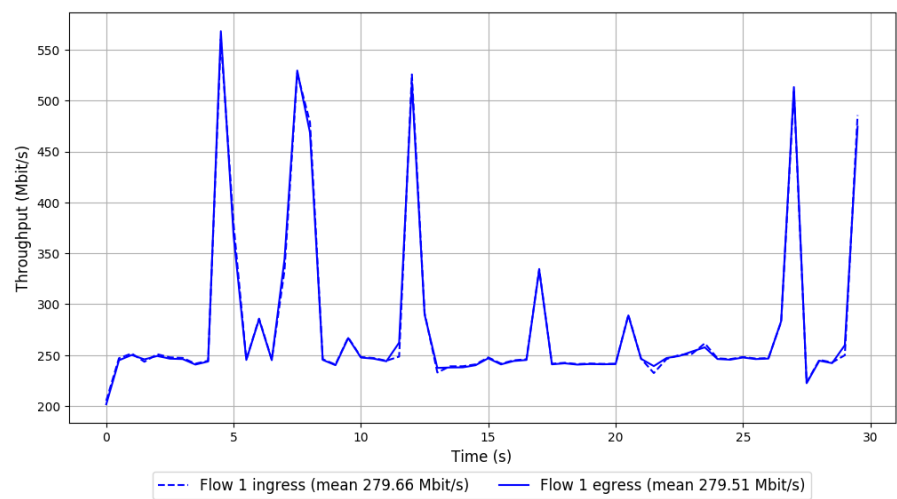Flow 1 (95th percentile 2.52 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2017-09-03 01:01:07
End at: 2017-09-03 01:01:37
Local clock offset: -2.227 ms
Remote clock offset: 0.089 ms


# Below is generated by plot.py at 2017-09-03 09:02:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 279.51 Mbit/s
95th percentile per-packet one-way delay: 33.160 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 279.51 Mbit/s
95th percentile per-packet one-way delay: 33.160 ms
Loss rate: 0.08%
```
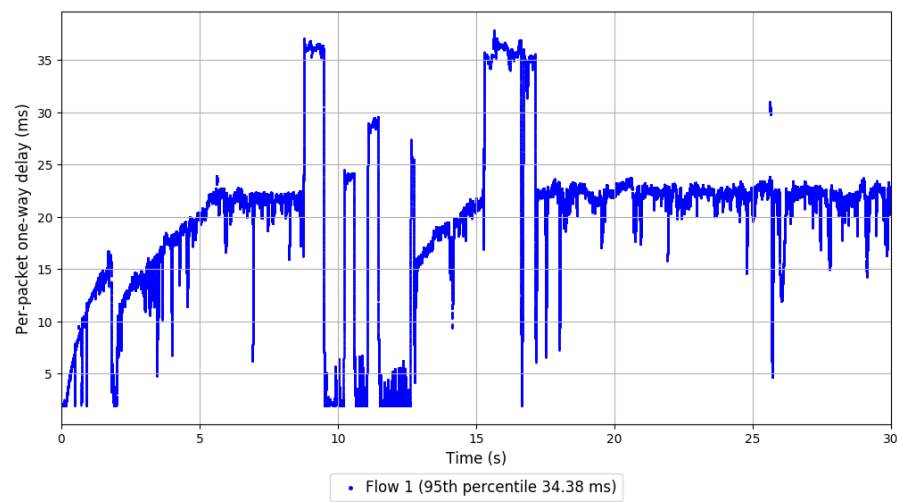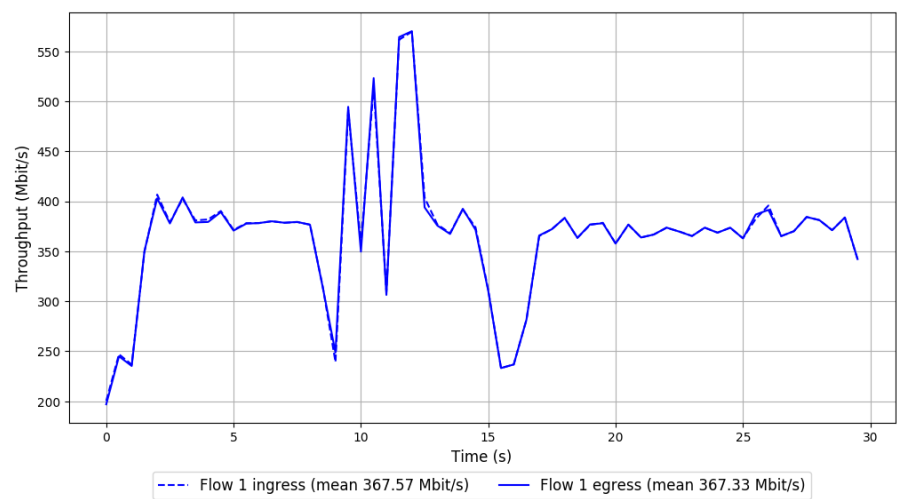
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 279.66 Mbit/s) ---- Flow 1 egress (mean 279.51 Mbit/s)

Flow 1 (95th percentile 33.16 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2017-09-03 01:20:04
End at: 2017-09-03 01:20:34
Local clock offset: -2.441 ms
Remote clock offset: 0.411 ms


# Below is generated by plot.py at 2017-09-03 09:02:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.33 Mbit/s
95th percentile per-packet one-way delay: 34.384 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 367.33 Mbit/s
95th percentile per-packet one-way delay: 34.384 ms
Loss rate: 0.07%
```

Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 367.57 Mbit/s)   Flow 1 egress (mean 367.33 Mbit/s)
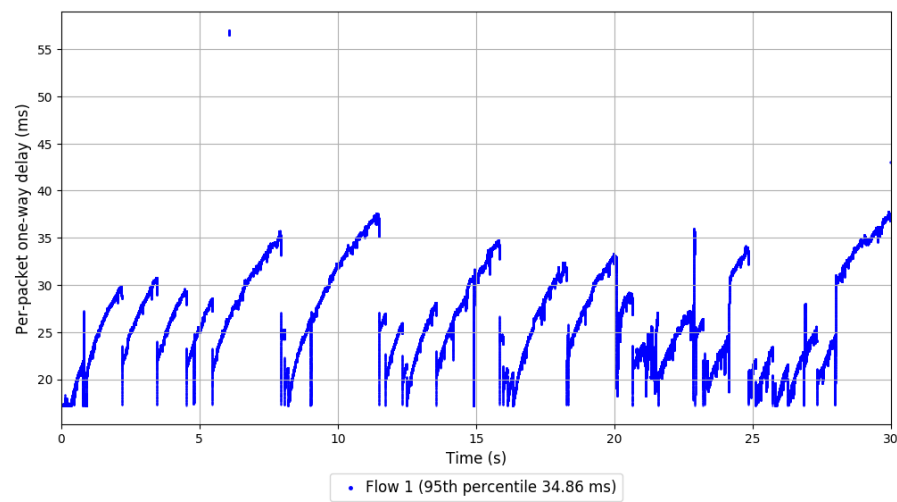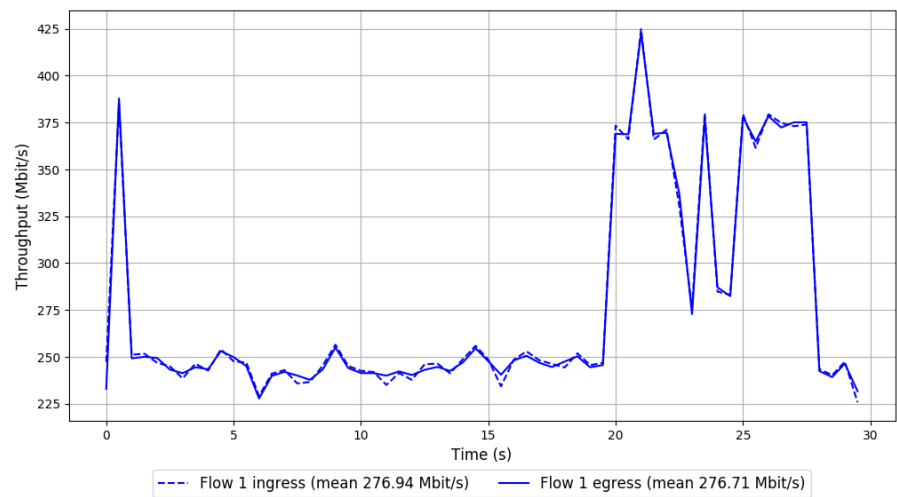

• Flow 1 (95th percentile 34.38 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2017-09-03 01:39:11
End at: 2017-09-03 01:39:42
Local clock offset: -2.964 ms
Remote clock offset: -14.569 ms

# Below is generated by plot.py at 2017-09-03 09:02:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 276.71 Mbit/s
95th percentile per-packet one-way delay: 34.857 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 276.71 Mbit/s
95th percentile per-packet one-way delay: 34.857 ms
Loss rate: 0.08%
```

Run 3: Report of LEDBAT — Data Link

```
Run 4: Statistics of LEDBAT

Start at: 2017-09-03 01:57:57
End at: 2017-09-03 01:58:27
Local clock offset: -3.368 ms
Remote clock offset: 0.929 ms


# Below is generated by plot.py at 2017-09-03 09:03:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.27 Mbit/s
95th percentile per-packet one-way delay: 23.887 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 356.27 Mbit/s
95th percentile per-packet one-way delay: 23.887 ms
Loss rate: 0.07%
```
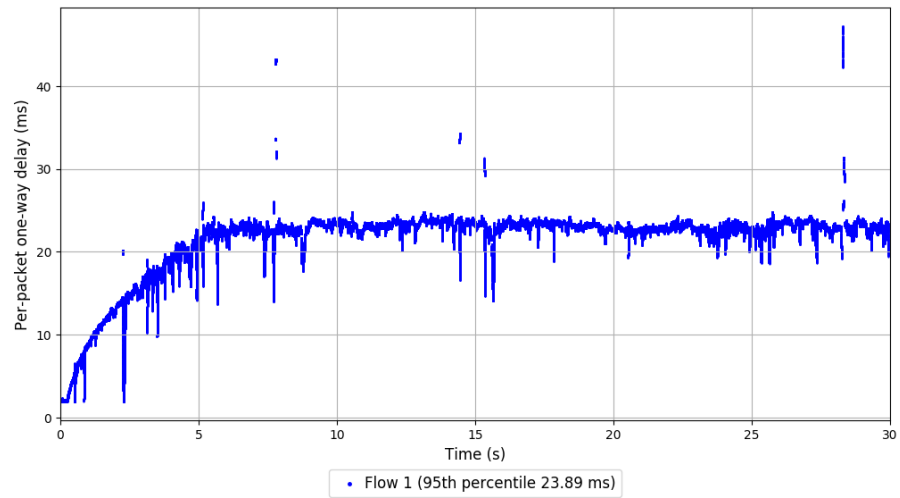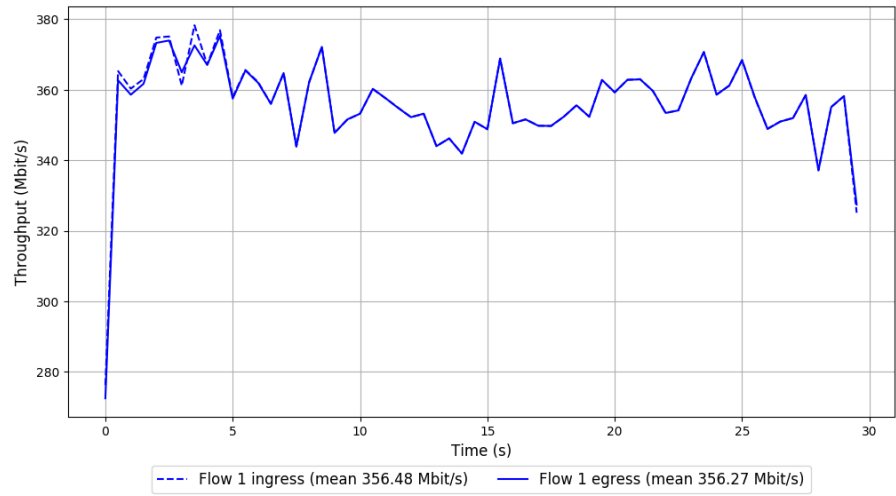
Run 4: Report of LEDBAT — Data Link

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```
Run 5: Statistics of LEDBAT

Start at: 2017-09-03 02:17:13
End at: 2017-09-03 02:17:43
Local clock offset: -3.628 ms
Remote clock offset: 0.89 ms


# Below is generated by plot.py at 2017-09-03 09:03:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 285.56 Mbit/s
95th percentile per-packet one-way delay: 37.430 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 285.56 Mbit/s
95th percentile per-packet one-way delay: 37.430 ms
Loss rate: 0.09%
```
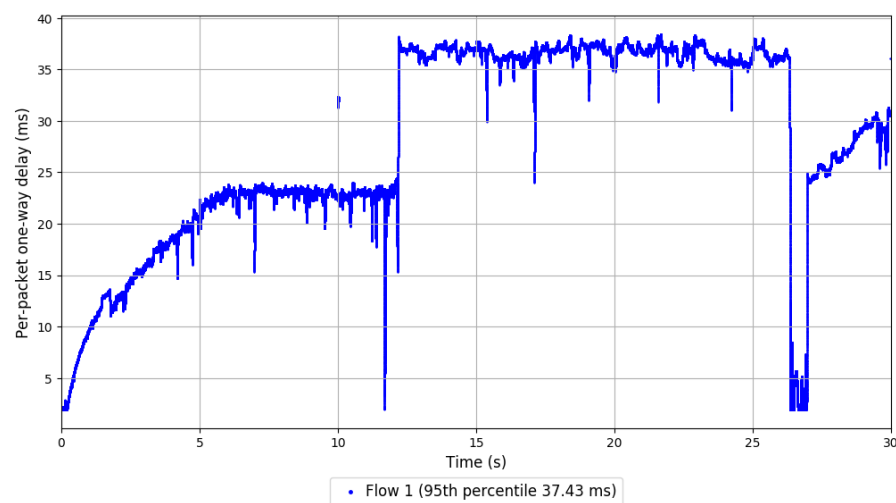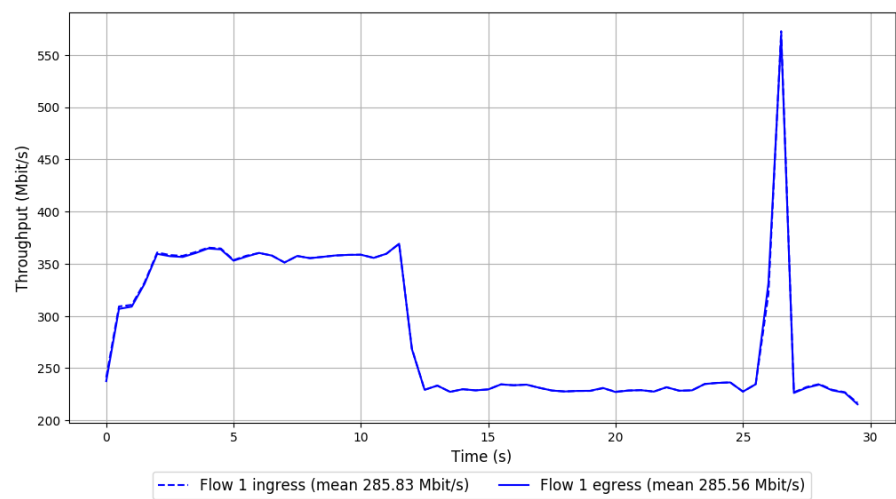
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-09-03 02:36:13
End at: 2017-09-03 02:36:43
Local clock offset: -3.91 ms
Remote clock offset: 0.874 ms


# Below is generated by plot.py at 2017-09-03 09:03:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.32 Mbit/s
95th percentile per-packet one-way delay: 29.096 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 320.32 Mbit/s
95th percentile per-packet one-way delay: 29.096 ms
Loss rate: 0.09%
```
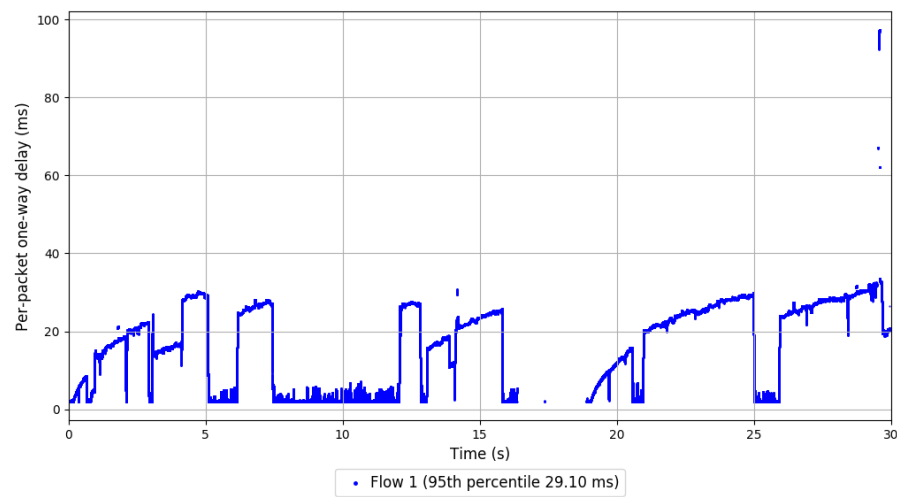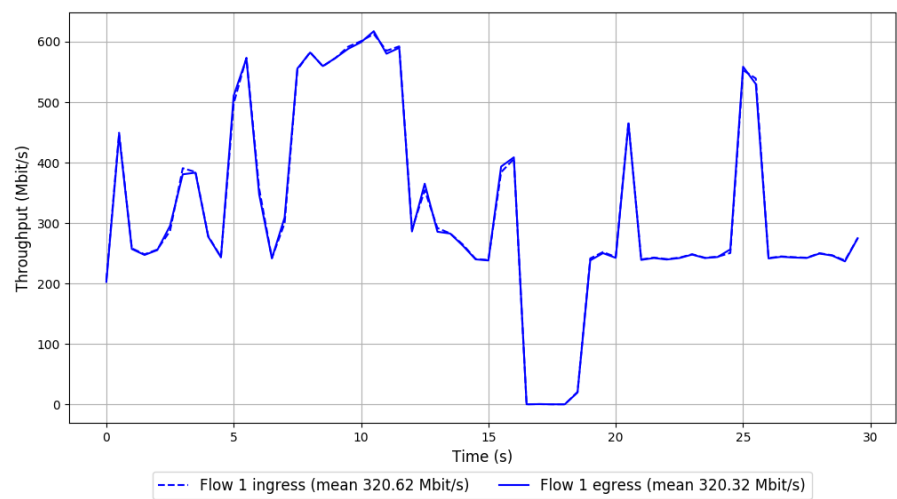
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2017-09-03 02:55:07
End at: 2017-09-03 02:55:37
Local clock offset: -3.909 ms
Remote clock offset: 0.895 ms


# Below is generated by plot.py at 2017-09-03 09:04:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 281.43 Mbit/s
95th percentile per-packet one-way delay: 36.564 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 281.43 Mbit/s
95th percentile per-packet one-way delay: 36.564 ms
Loss rate: 0.08%
```
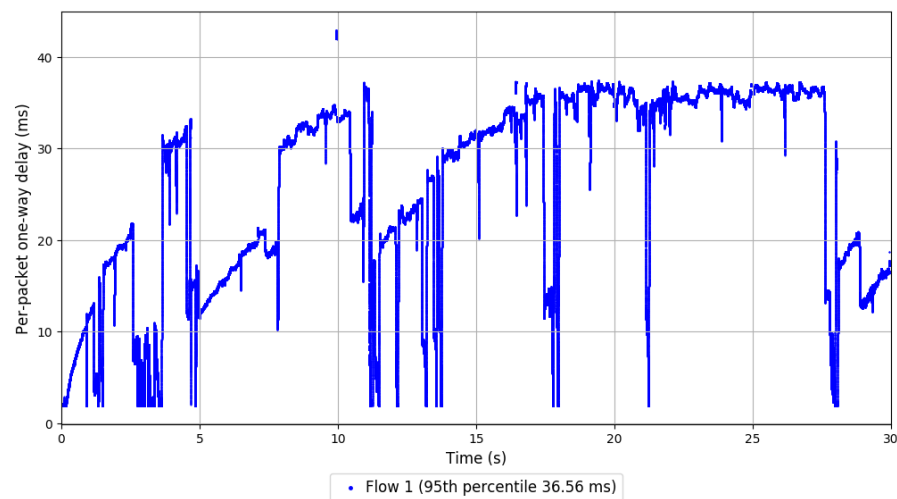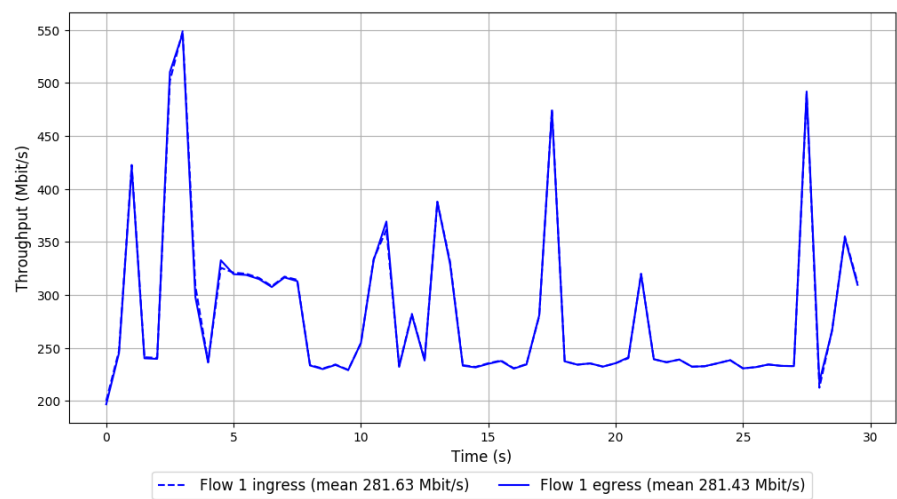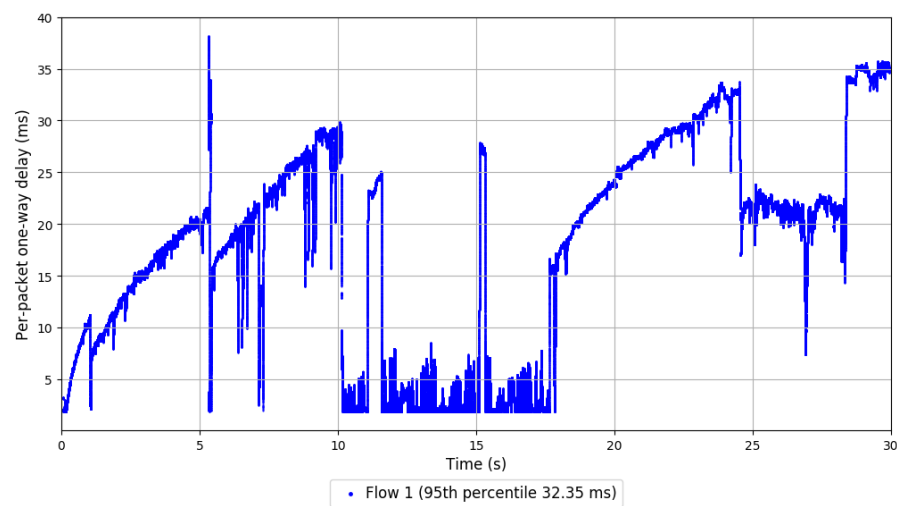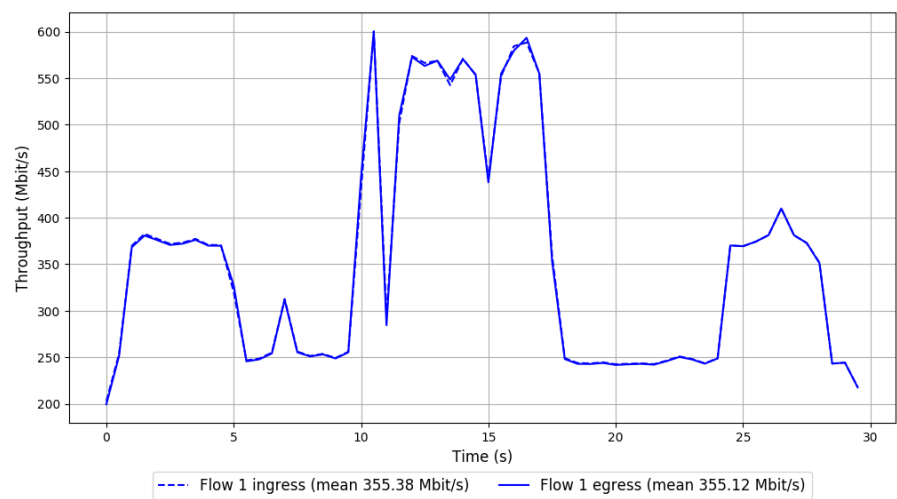
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 281.63 Mbit/s)   Flow 1 egress (mean 281.43 Mbit/s)

• Flow 1 (95th percentile 36.56 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2017-09-03 03:13:54
End at: 2017-09-03 03:14:24
Local clock offset: -3.936 ms
Remote clock offset: 0.738 ms


# Below is generated by plot.py at 2017-09-03 09:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.12 Mbit/s
95th percentile per-packet one-way delay: 32.349 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 355.12 Mbit/s
95th percentile per-packet one-way delay: 32.349 ms
Loss rate: 0.08%
```
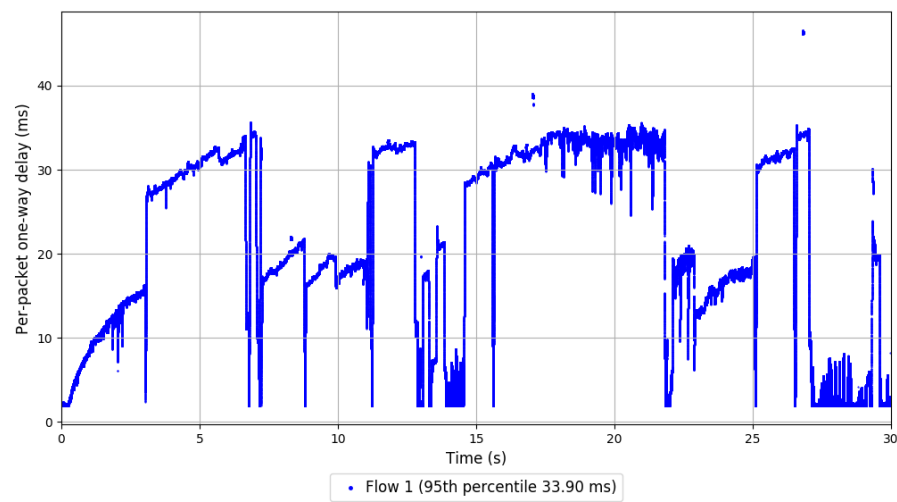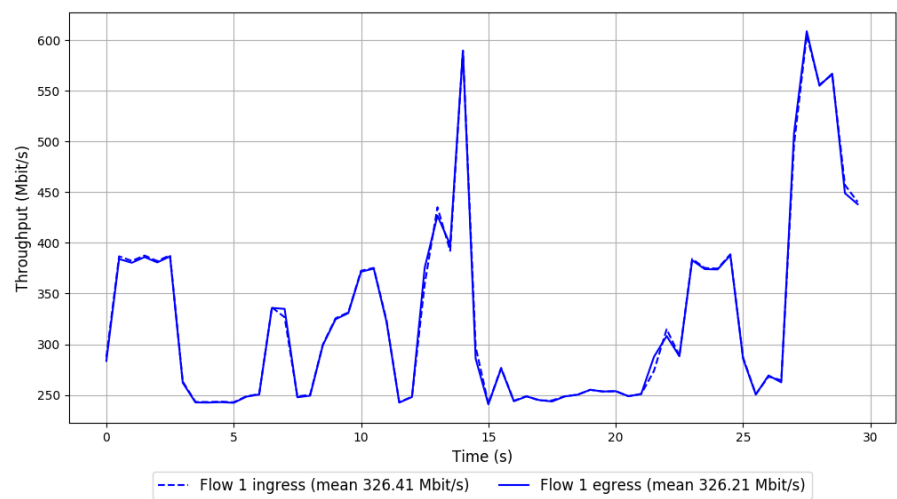
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 355.38 Mbit/s)   Flow 1 egress (mean 355.12 Mbit/s)

Flow 1 (95th percentile 32.35 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2017-09-03 03:32:42
End at: 2017-09-03 03:33:12
Local clock offset: -3.937 ms
Remote clock offset: 0.578 ms


# Below is generated by plot.py at 2017-09-03 09:04:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 326.21 Mbit/s
95th percentile per-packet one-way delay: 33.900 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 326.21 Mbit/s
95th percentile per-packet one-way delay: 33.900 ms
Loss rate: 0.06%
```

Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2017-09-03 03:51:51
End at: 2017-09-03 03:52:21
Local clock offset: -3.875 ms
Remote clock offset: 0.375 ms


# Below is generated by plot.py at 2017-09-03 09:05:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 372.59 Mbit/s
95th percentile per-packet one-way delay: 22.702 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 372.59 Mbit/s
95th percentile per-packet one-way delay: 22.702 ms
Loss rate: 0.08%
```
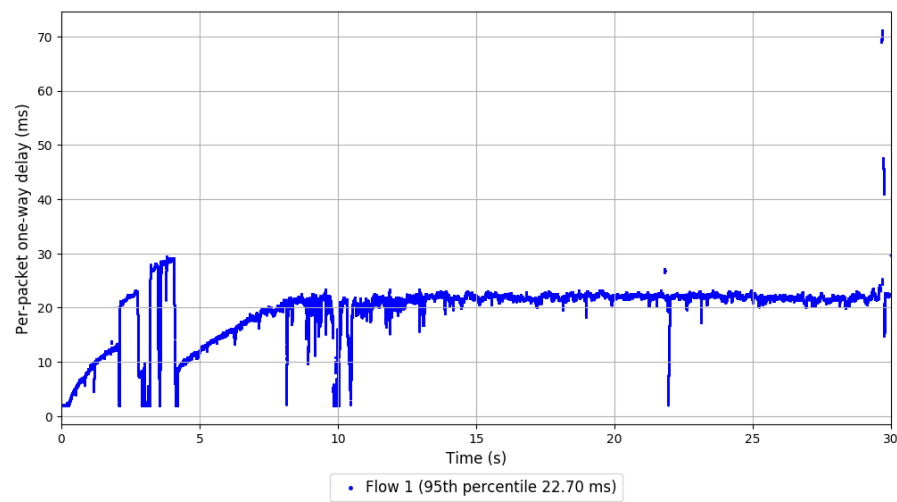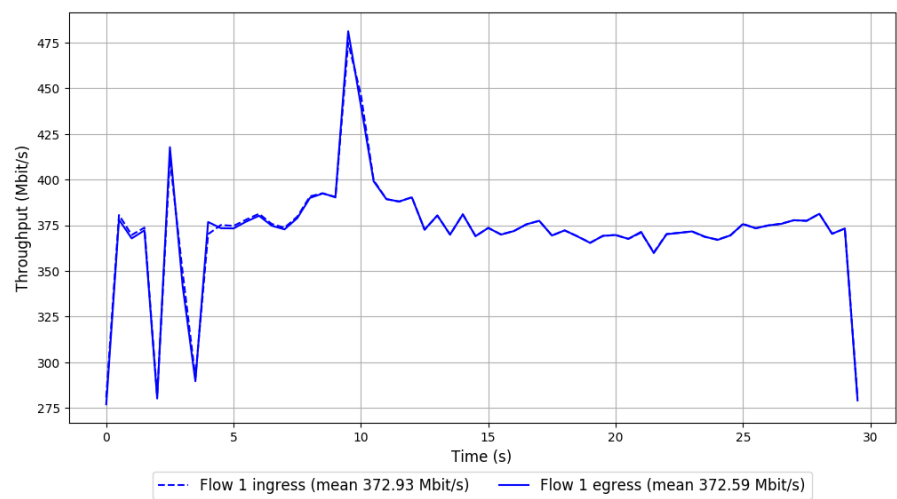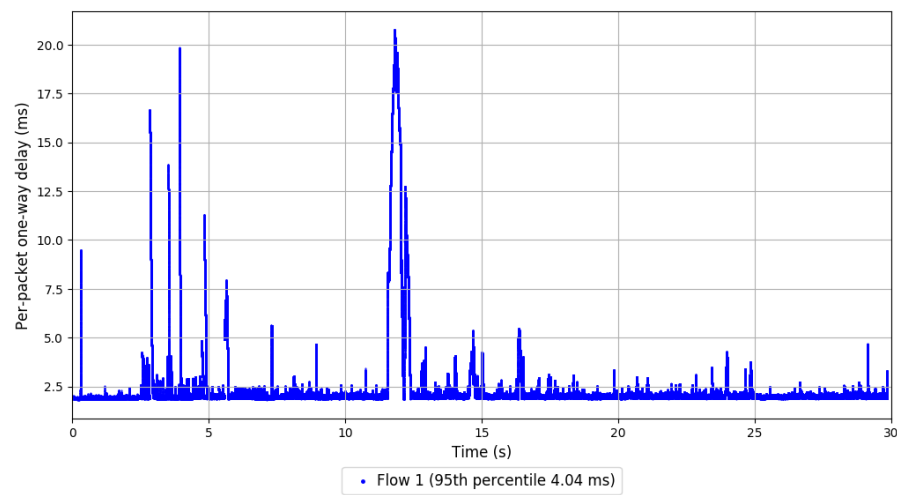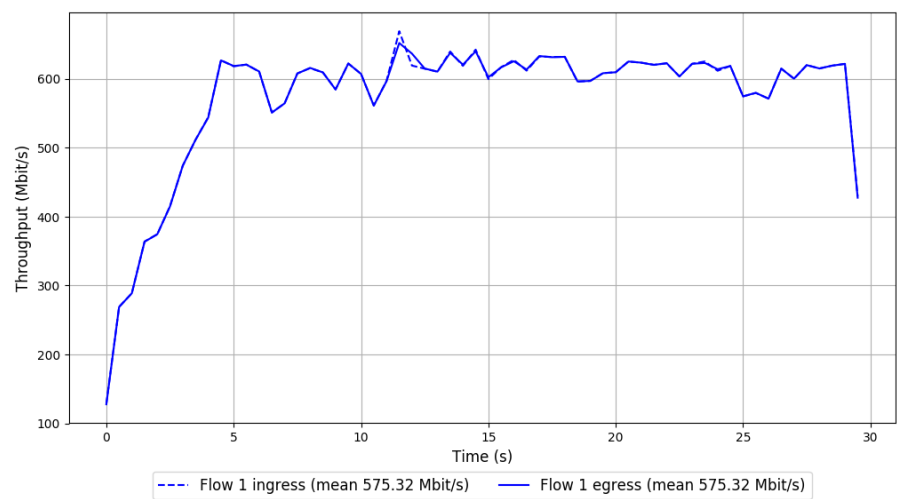
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2017-09-03 01:11:21
End at: 2017-09-03 01:11:51
Local clock offset: -2.36 ms
Remote clock offset: 0.27 ms


# Below is generated by plot.py at 2017-09-03 09:05:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 575.32 Mbit/s
95th percentile per-packet one-way delay: 4.041 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 575.32 Mbit/s
95th percentile per-packet one-way delay: 4.041 ms
Loss rate: 0.01%
```

Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2017-09-03 01:30:32
End at: 2017-09-03 01:31:02
Local clock offset: -2.749 ms
Remote clock offset: 0.563 ms


# Below is generated by plot.py at 2017-09-03 09:06:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 591.72 Mbit/s
95th percentile per-packet one-way delay: 3.282 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 591.72 Mbit/s
95th percentile per-packet one-way delay: 3.282 ms
Loss rate: 0.04%
```
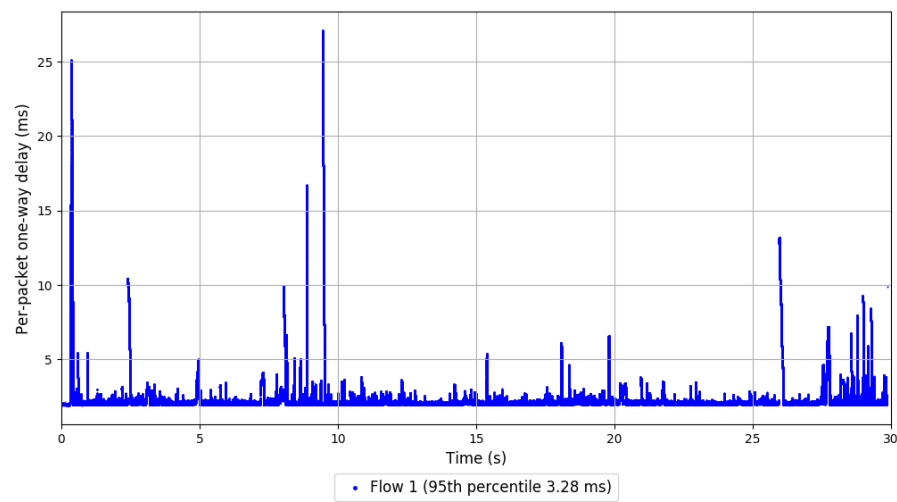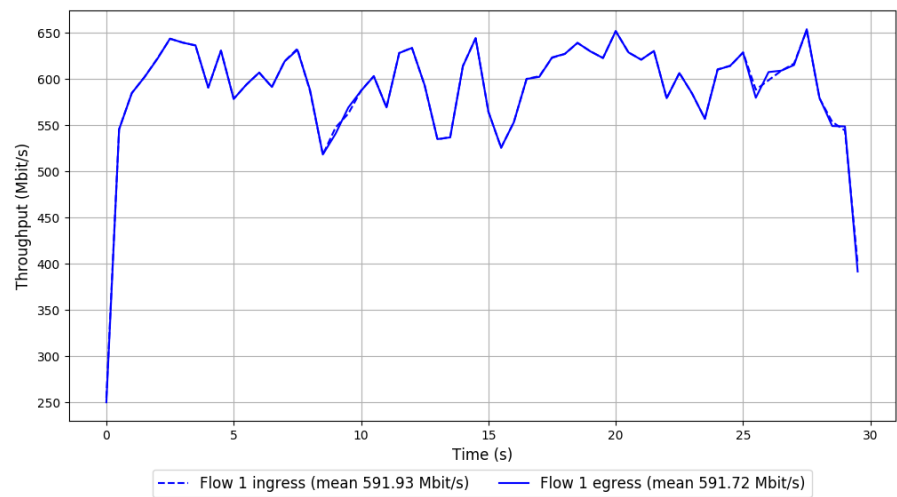
Run 2: Report of PCC — Data Link

```
Run 3: Statistics of PCC

Start at: 2017-09-03 01:49:17
End at: 2017-09-03 01:49:47
Local clock offset: -3.237 ms
Remote clock offset: 0.804 ms


# Below is generated by plot.py at 2017-09-03 09:07:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 560.68 Mbit/s
95th percentile per-packet one-way delay: 11.125 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 560.68 Mbit/s
95th percentile per-packet one-way delay: 11.125 ms
Loss rate: 0.13%
```
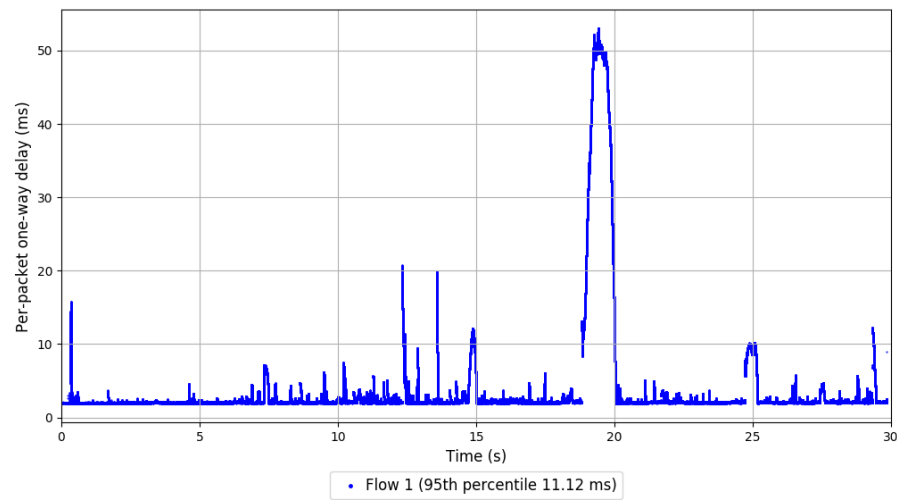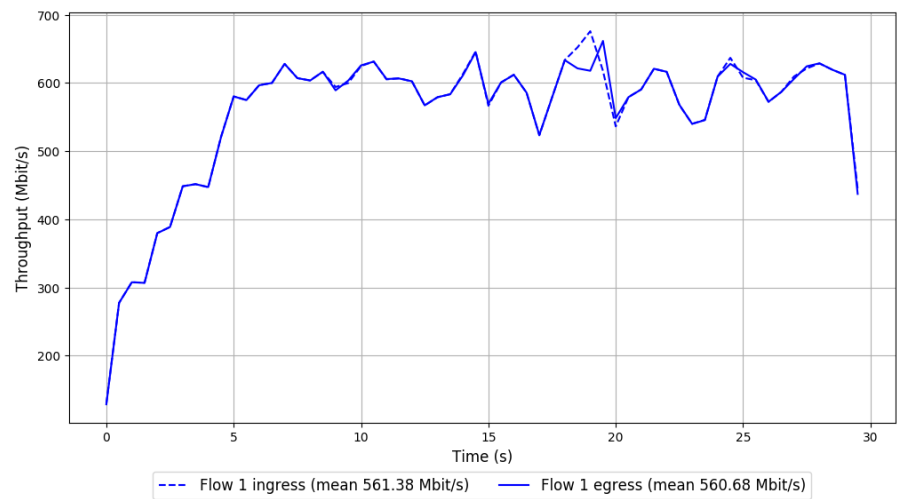
Run 3: Report of PCC — Data Link

```
Run 4: Statistics of PCC

Start at: 2017-09-03 02:08:24
End at: 2017-09-03 02:08:54
Local clock offset: -3.517 ms
Remote clock offset: 0.865 ms


# Below is generated by plot.py at 2017-09-03 09:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 625.78 Mbit/s
95th percentile per-packet one-way delay: 70.844 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 625.78 Mbit/s
95th percentile per-packet one-way delay: 70.844 ms
Loss rate: 5.50%
```
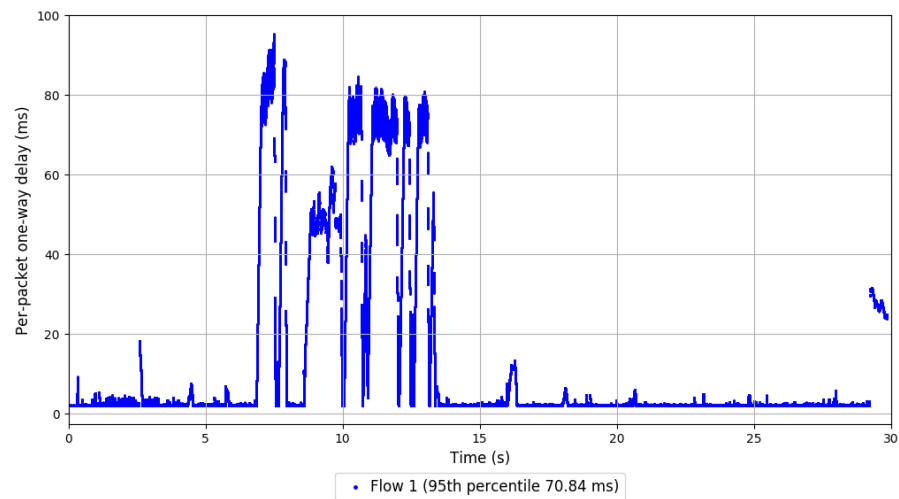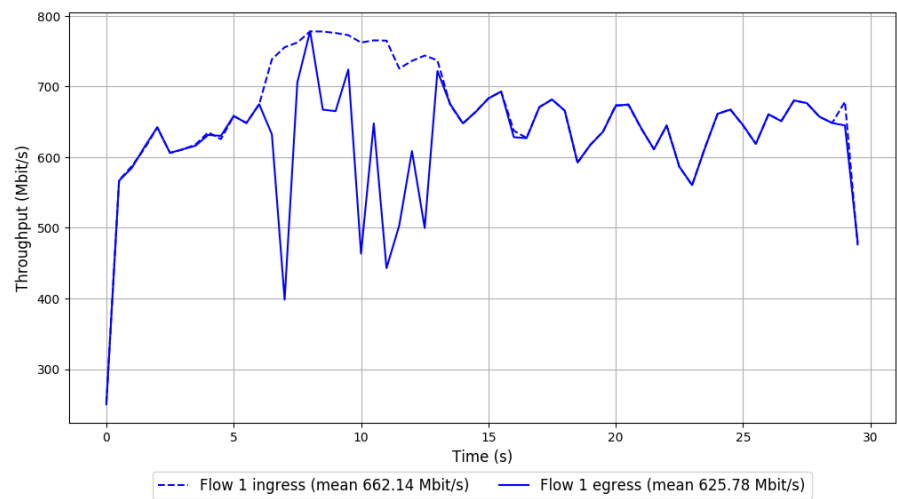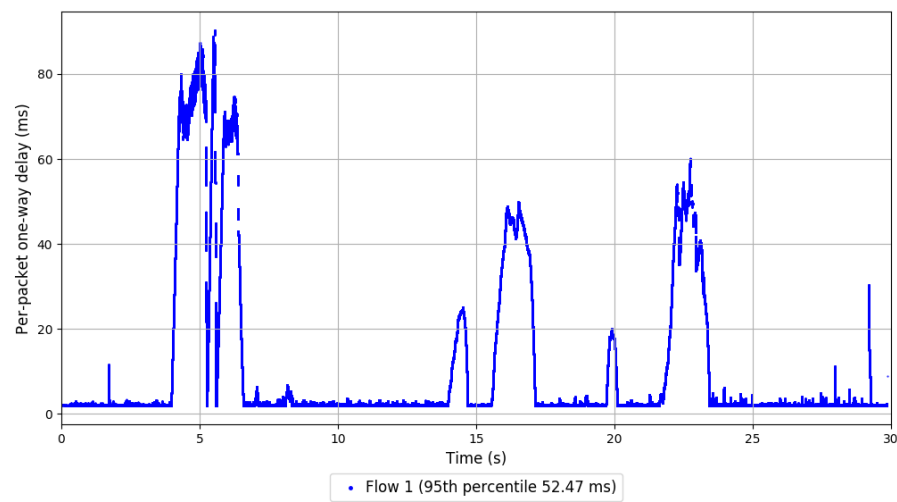
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 662.14 Mbit/s)   Flow 1 egress (mean 625.78 Mbit/s)

Flow 1 (95th percentile 70.84 ms)

```
Run 5: Statistics of PCC

Start at: 2017-09-03 02:27:28
End at: 2017-09-03 02:27:58
Local clock offset: -3.834 ms
Remote clock offset: 0.811 ms


# Below is generated by plot.py at 2017-09-03 09:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 597.56 Mbit/s
95th percentile per-packet one-way delay: 52.465 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 597.56 Mbit/s
95th percentile per-packet one-way delay: 52.465 ms
Loss rate: 2.20%
```
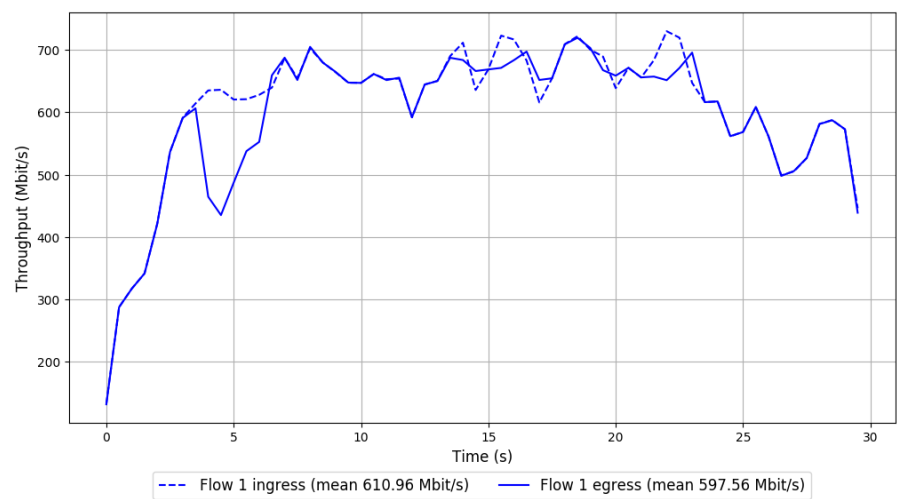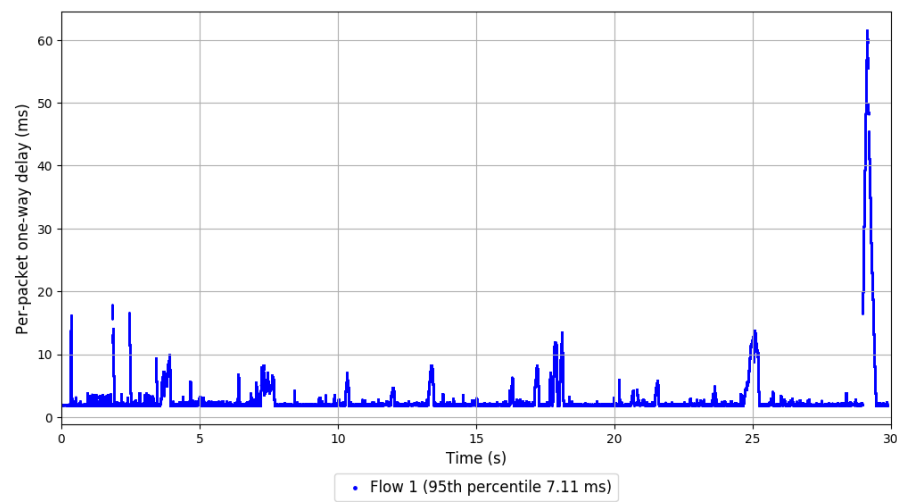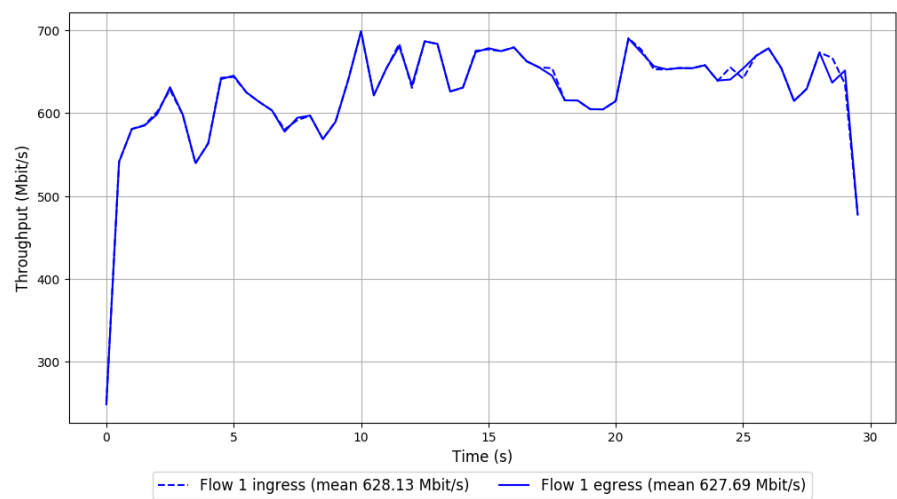
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 610.96 Mbit/s)   Flow 1 egress (mean 597.56 Mbit/s)

• Flow 1 (95th percentile 52.47 ms)

```
Run 6: Statistics of PCC

Start at: 2017-09-03 02:46:16
End at: 2017-09-03 02:46:46
Local clock offset: -3.989 ms
Remote clock offset: 0.894 ms


# Below is generated by plot.py at 2017-09-03 09:09:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 627.69 Mbit/s
95th percentile per-packet one-way delay: 7.114 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 627.69 Mbit/s
95th percentile per-packet one-way delay: 7.114 ms
Loss rate: 0.08%
```

Run 6: Report of PCC — Data Link

```
Run 7: Statistics of PCC

Start at: 2017-09-03 03:05:14
End at: 2017-09-03 03:05:44
Local clock offset: -3.879 ms
Remote clock offset: 0.836 ms


# Below is generated by plot.py at 2017-09-03 09:09:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 580.01 Mbit/s
95th percentile per-packet one-way delay: 24.289 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 580.01 Mbit/s
95th percentile per-packet one-way delay: 24.289 ms
Loss rate: 0.29%
```
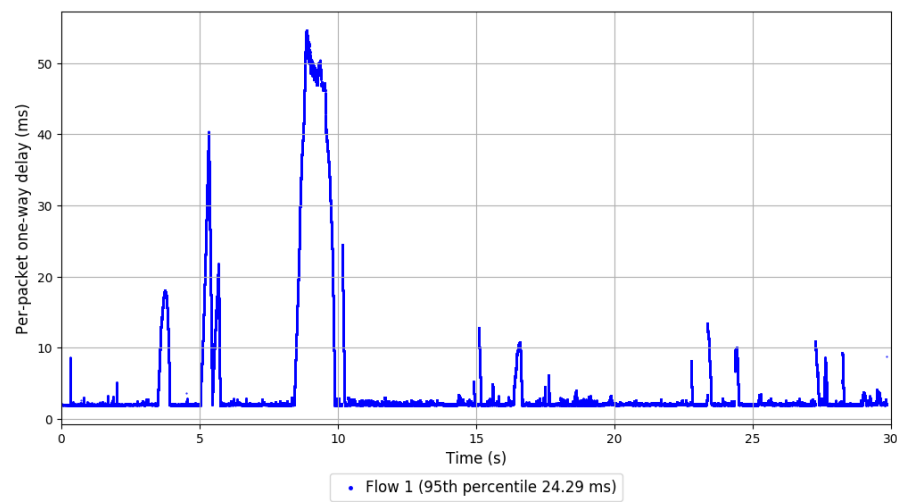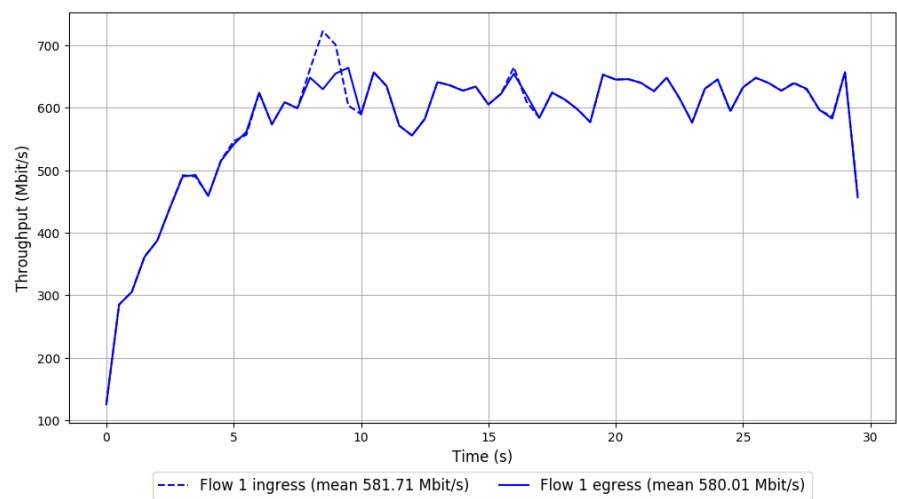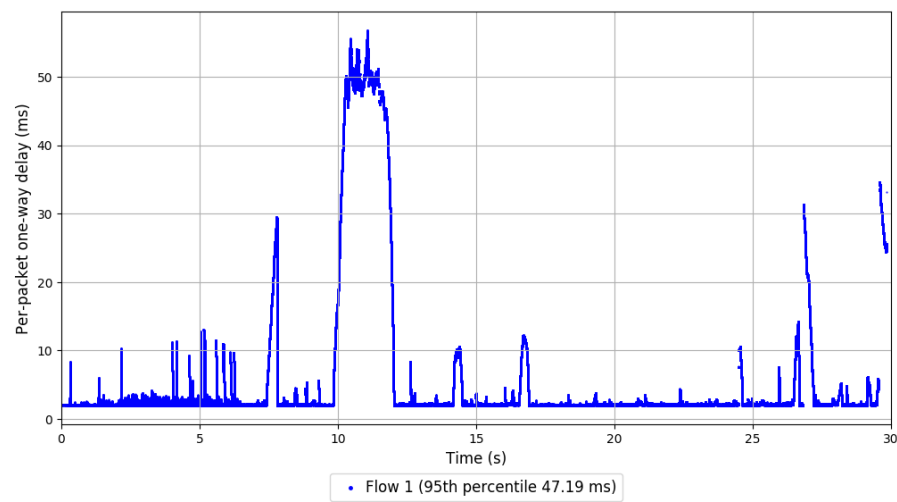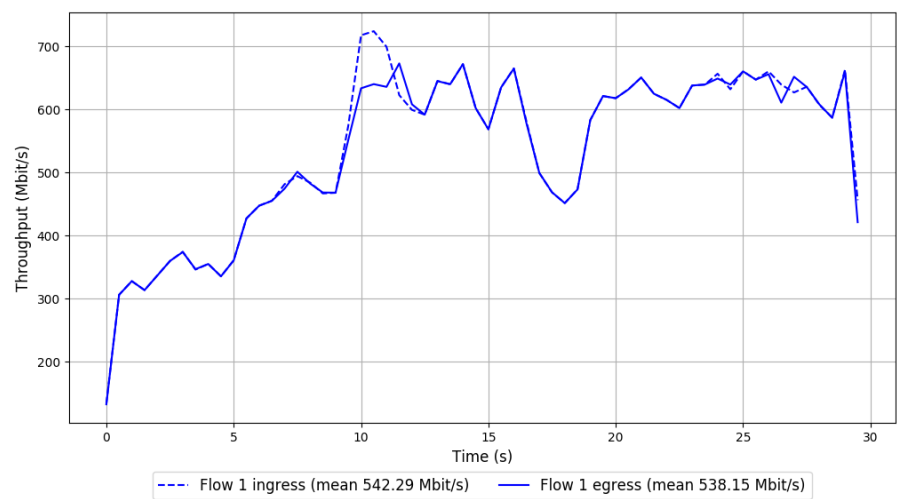
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 581.71 Mbit/s)   Flow 1 egress (mean 580.01 Mbit/s)

• Flow 1 (95th percentile 24.29 ms)

```
Run 8: Statistics of PCC

Start at: 2017-09-03 03:23:58
End at: 2017-09-03 03:24:28
Local clock offset: -3.844 ms
Remote clock offset: 0.659 ms


# Below is generated by plot.py at 2017-09-03 09:10:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 538.15 Mbit/s
95th percentile per-packet one-way delay: 47.185 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 538.15 Mbit/s
95th percentile per-packet one-way delay: 47.185 ms
Loss rate: 0.76%
```

Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: 2017-09-03 03:43:08
End at: 2017-09-03 03:43:38
Local clock offset: -3.907 ms
Remote clock offset: 0.47 ms


# Below is generated by plot.py at 2017-09-03 09:11:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 608.71 Mbit/s
95th percentile per-packet one-way delay: 23.443 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 608.71 Mbit/s
95th percentile per-packet one-way delay: 23.443 ms
Loss rate: 0.61%
```
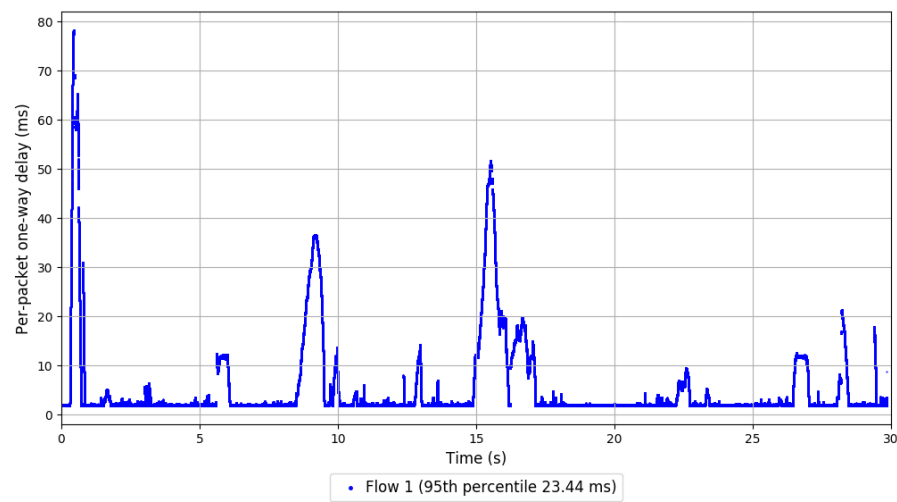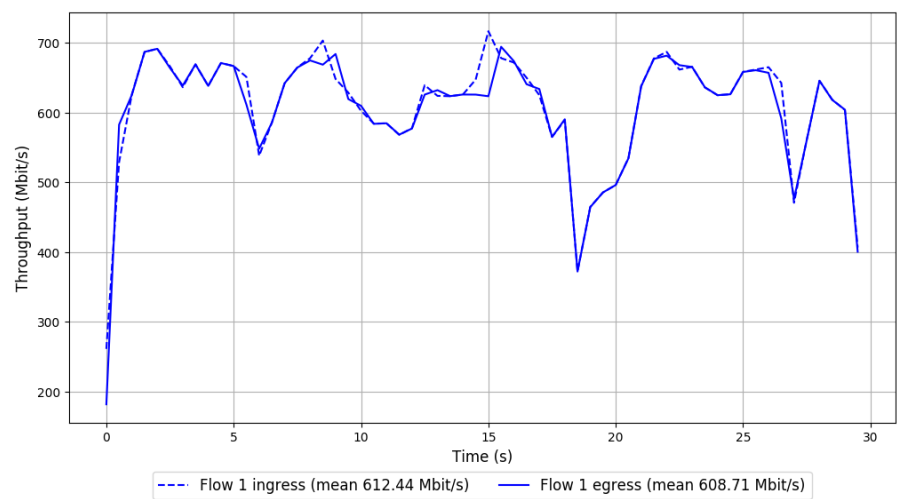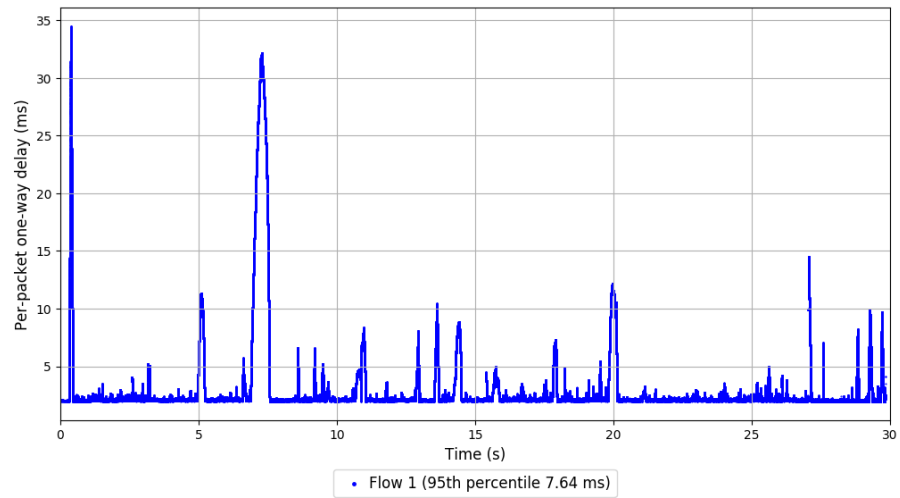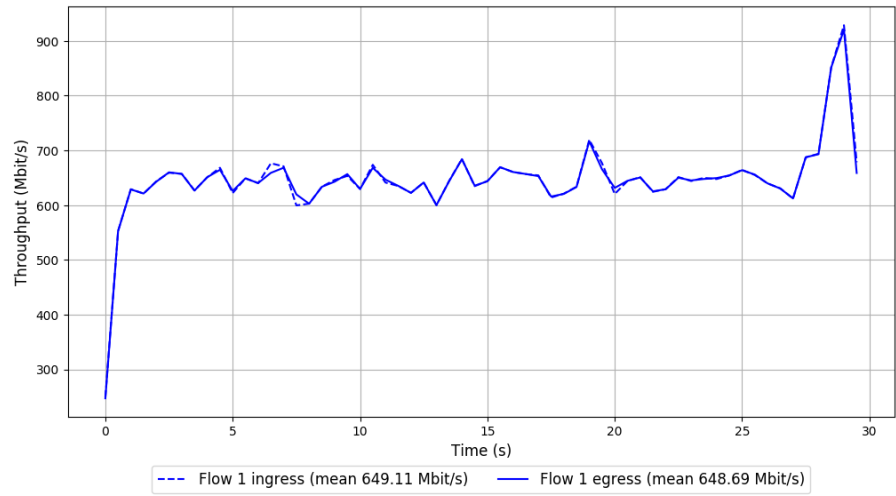
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 612.44 Mbit/s)   Flow 1 egress (mean 608.71 Mbit/s)

Flow 1 (95th percentile 23.44 ms)

```
Run 10: Statistics of PCC

Start at: 2017-09-03 04:02:23
End at: 2017-09-03 04:02:53
Local clock offset: -3.676 ms
Remote clock offset: 0.225 ms


# Below is generated by plot.py at 2017-09-03 09:12:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 648.69 Mbit/s
95th percentile per-packet one-way delay: 7.638 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 648.69 Mbit/s
95th percentile per-packet one-way delay: 7.638 ms
Loss rate: 0.09%
```

Run 10: Report of PCC — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-03 01:06:25
End at: 2017-09-03 01:06:55
Local clock offset: -2.285 ms
Remote clock offset: 0.139 ms


# Below is generated by plot.py at 2017-09-03 09:12:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 2.020 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 2.020 ms
Loss rate: 0.03%
```
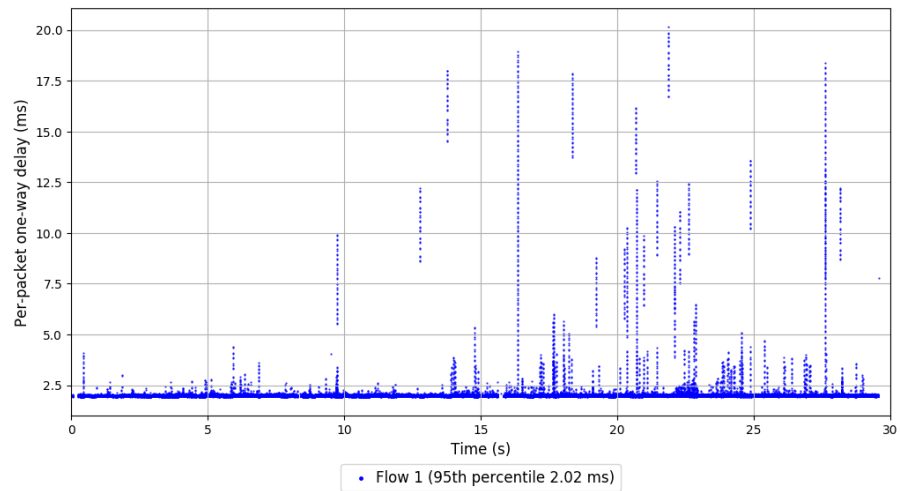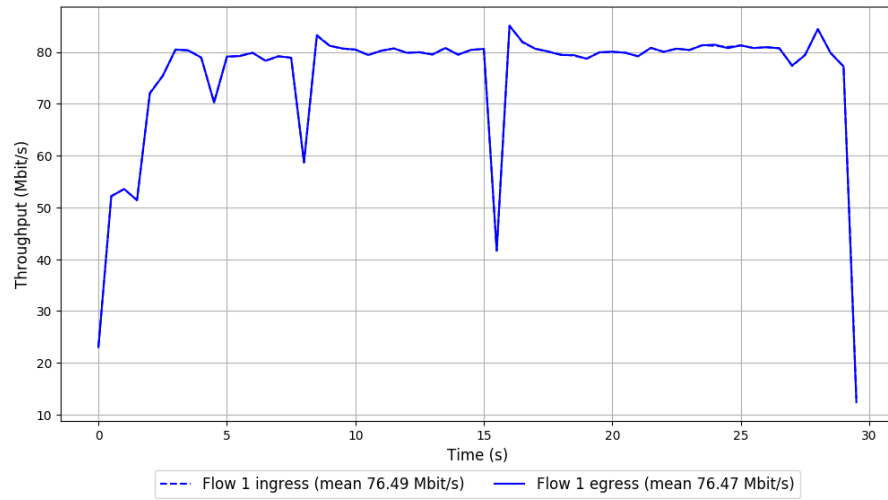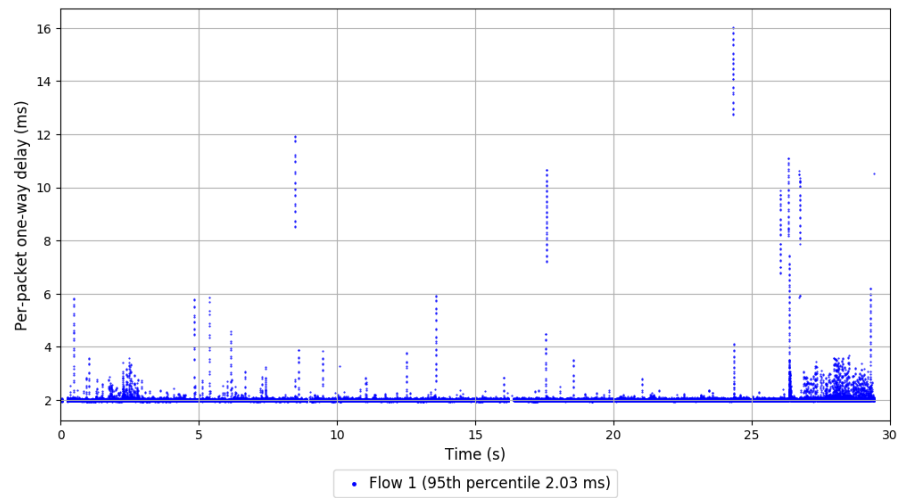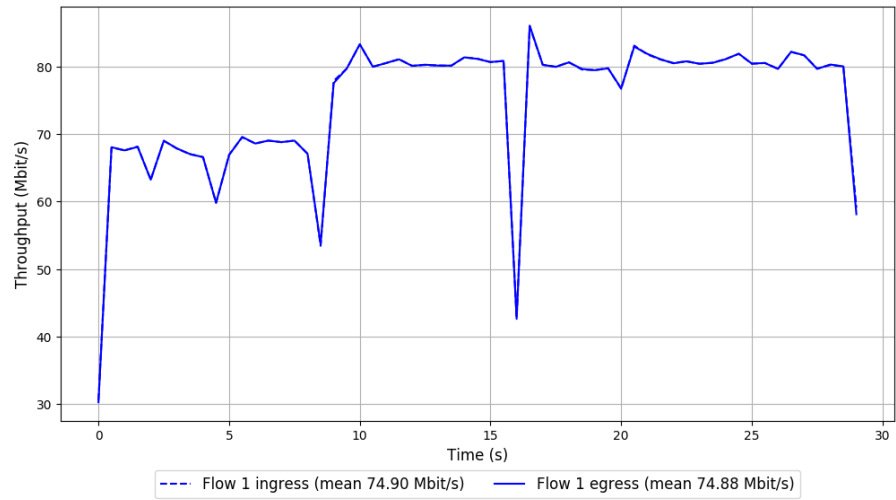
Run 1: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 76.49 Mbit/s)   Flow 1 egress (mean 76.47 Mbit/s)

Flow 1 (95th percentile 2.02 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-09-03 01:25:33
End at: 2017-09-03 01:26:03
Local clock offset: -2.591 ms
Remote clock offset: 0.496 ms


# Below is generated by plot.py at 2017-09-03 09:12:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 2.026 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 2.026 ms
Loss rate: 0.03%
```
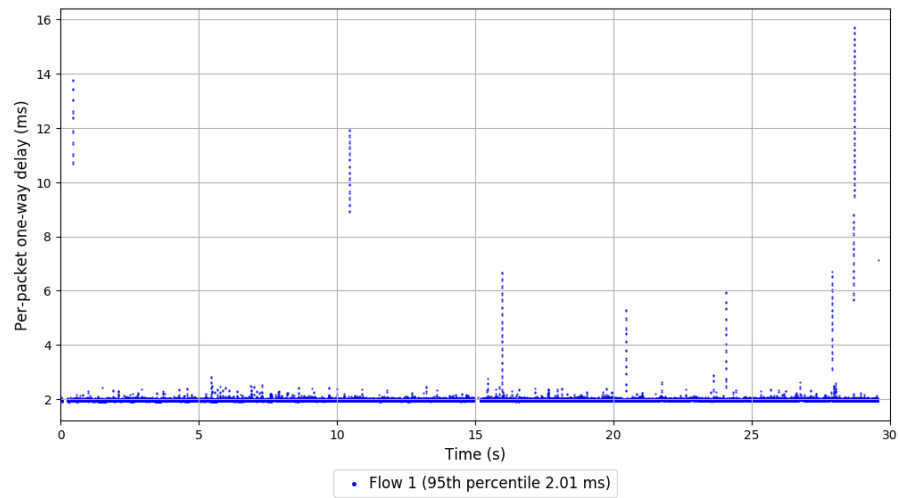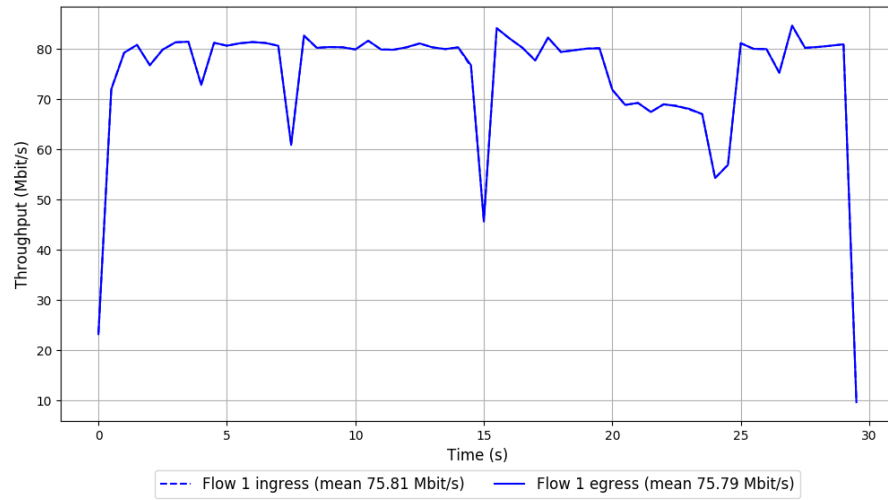
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-09-03 01:44:20
End at: 2017-09-03 01:44:50
Local clock offset: -3.168 ms
Remote clock offset: 0.677 ms


# Below is generated by plot.py at 2017-09-03 09:12:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 2.006 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 2.006 ms
Loss rate: 0.01%
```
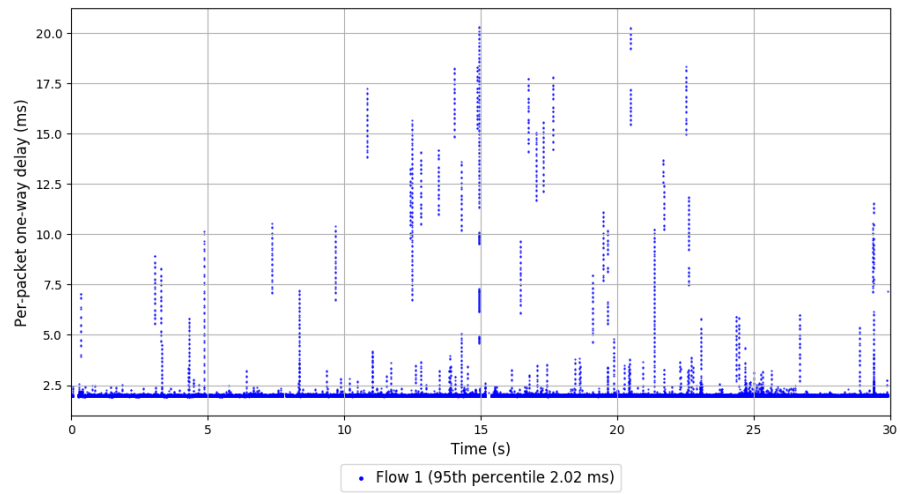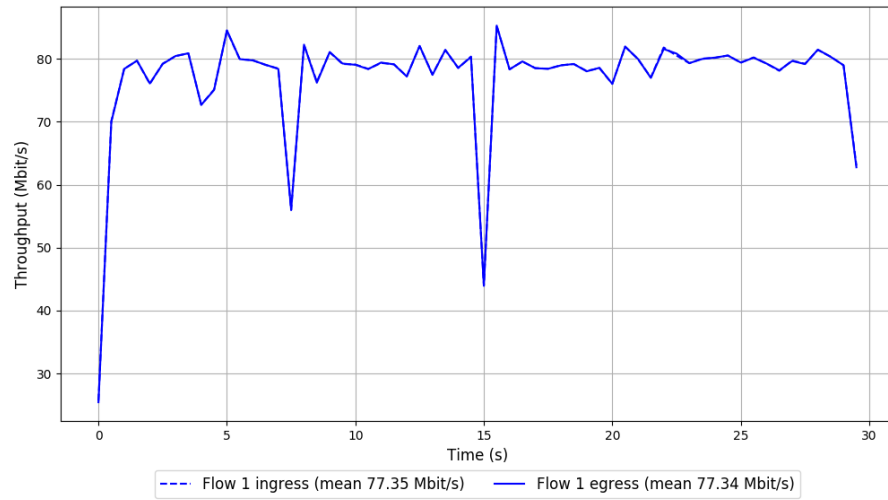
Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 75.81 Mbit/s) ----   Flow 1 egress (mean 75.79 Mbit/s) ——

Flow 1 (95th percentile 2.01 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-09-03 02:03:30
End at: 2017-09-03 02:04:00
Local clock offset: -3.518 ms
Remote clock offset: 0.82 ms


# Below is generated by plot.py at 2017-09-03 09:12:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.34 Mbit/s
95th percentile per-packet one-way delay: 2.017 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.34 Mbit/s
95th percentile per-packet one-way delay: 2.017 ms
Loss rate: 0.01%
```
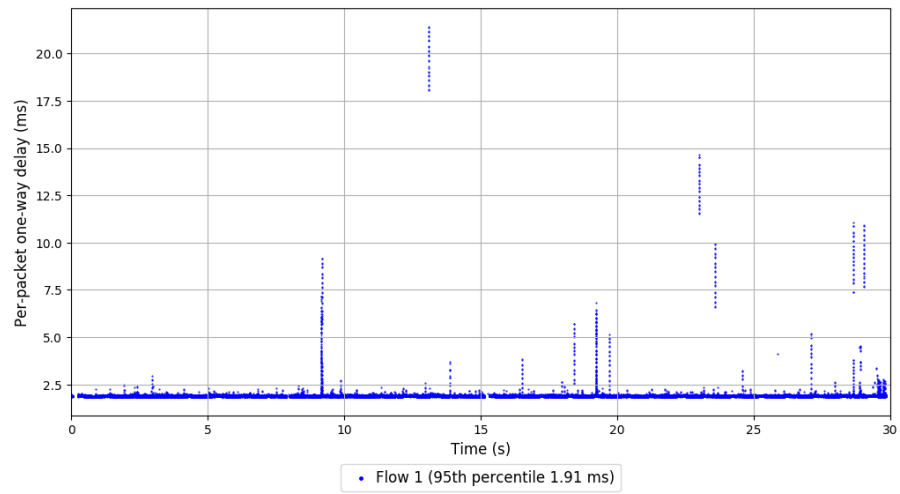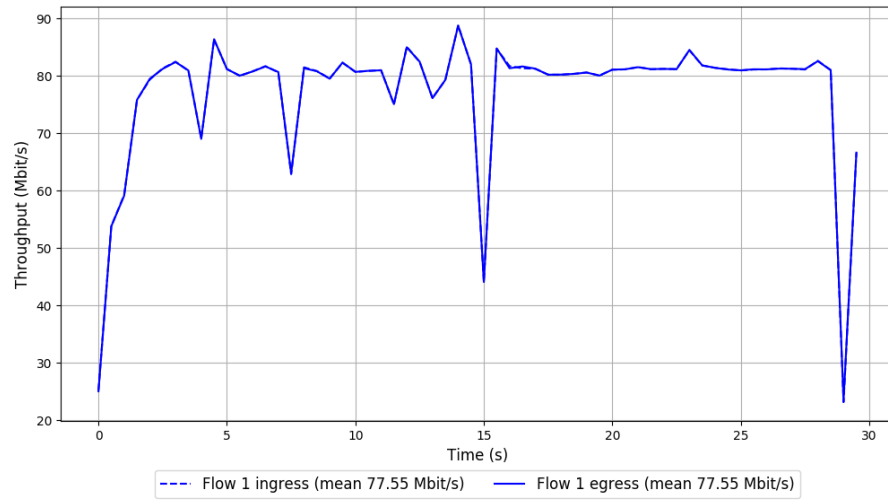
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.35 Mbit/s)   Flow 1 egress (mean 77.34 Mbit/s)

Flow 1 (95th percentile 2.02 ms)

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```
Run 5: Statistics of QUIC Cubic

Start at: 2017-09-03 02:22:30
End at: 2017-09-03 02:23:01
Local clock offset: -3.791 ms
Remote clock offset: 0.875 ms


# Below is generated by plot.py at 2017-09-03 09:12:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 1.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 1.912 ms
Loss rate: 0.00%
```
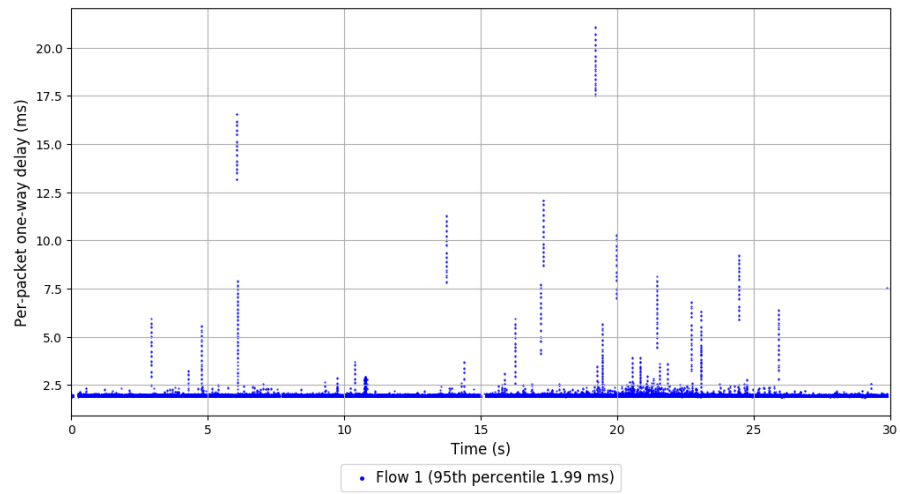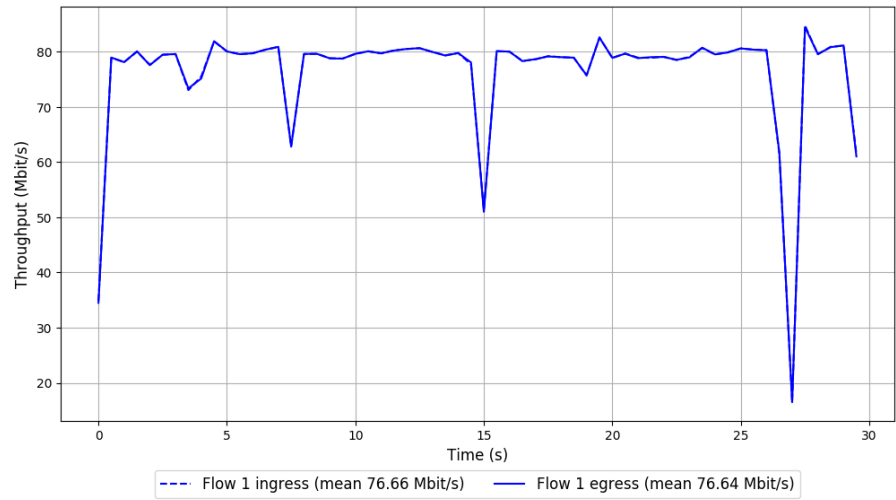
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.55 Mbit/s)   Flow 1 egress (mean 77.55 Mbit/s)

Flow 1 (95th percentile 1.91 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-09-03 02:41:20
End at: 2017-09-03 02:41:50
Local clock offset: -3.984 ms
Remote clock offset: 0.896 ms


# Below is generated by plot.py at 2017-09-03 09:12:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 1.986 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 1.986 ms
Loss rate: 0.01%
```
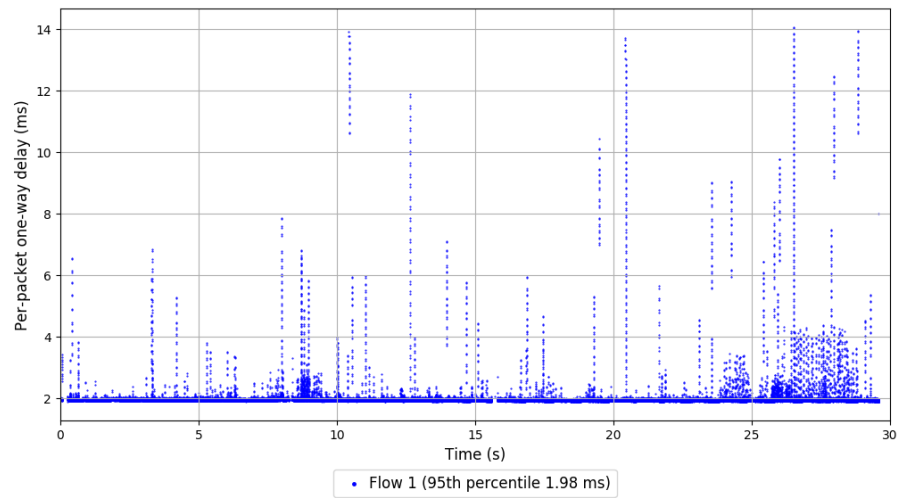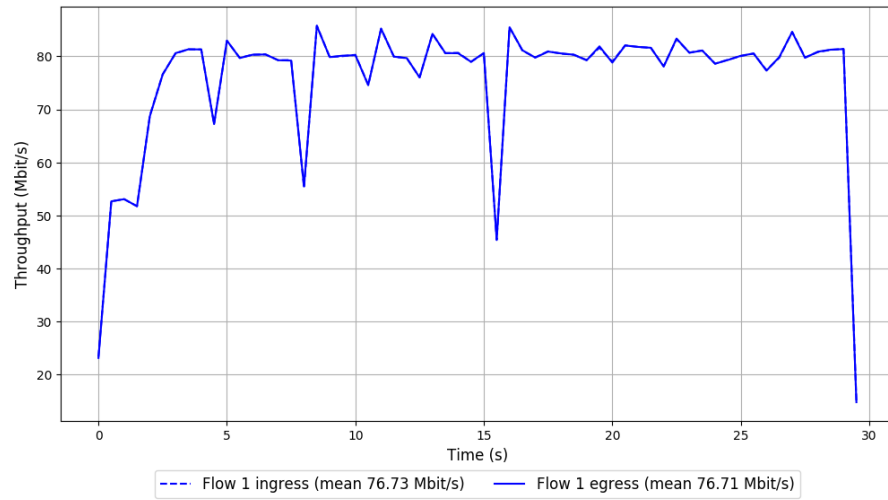
Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-09-03 03:00:16
End at: 2017-09-03 03:00:46
Local clock offset: -3.902 ms
Remote clock offset: 0.848 ms

# Below is generated by plot.py at 2017-09-03 09:12:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.71 Mbit/s
95th percentile per-packet one-way delay: 1.982 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 76.71 Mbit/s
95th percentile per-packet one-way delay: 1.982 ms
Loss rate: 0.01%
```
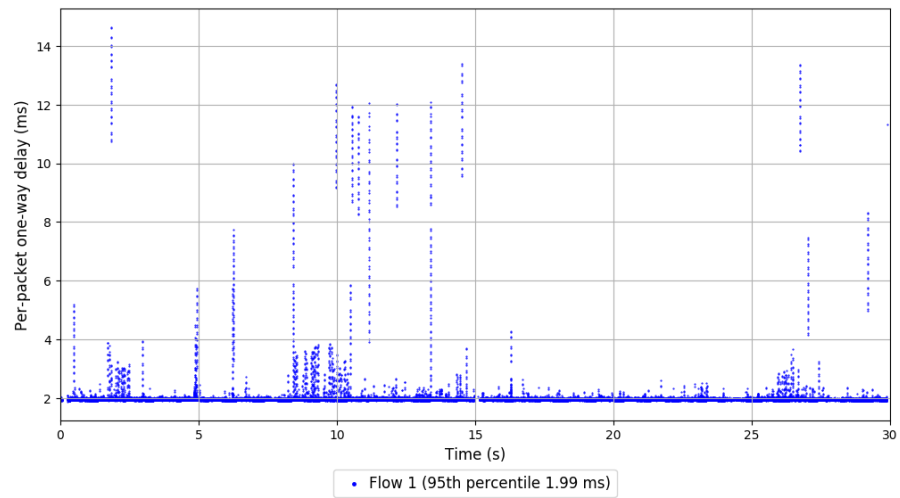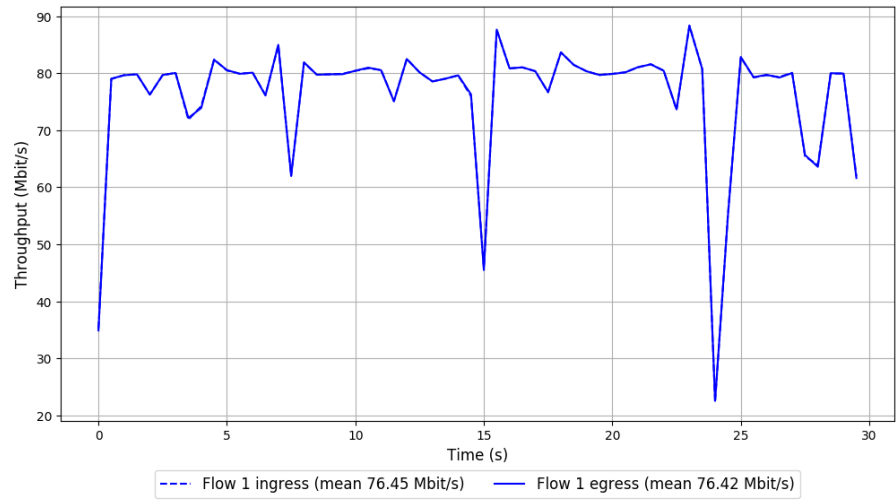
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 76.73 Mbit/s)   Flow 1 egress (mean 76.71 Mbit/s)

Flow 1 (95th percentile 1.98 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-09-03 03:19:04
End at: 2017-09-03 03:19:34
Local clock offset: -3.93 ms
Remote clock offset: 0.672 ms


# Below is generated by plot.py at 2017-09-03 09:12:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 1.986 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 1.986 ms
Loss rate: 0.01%
```
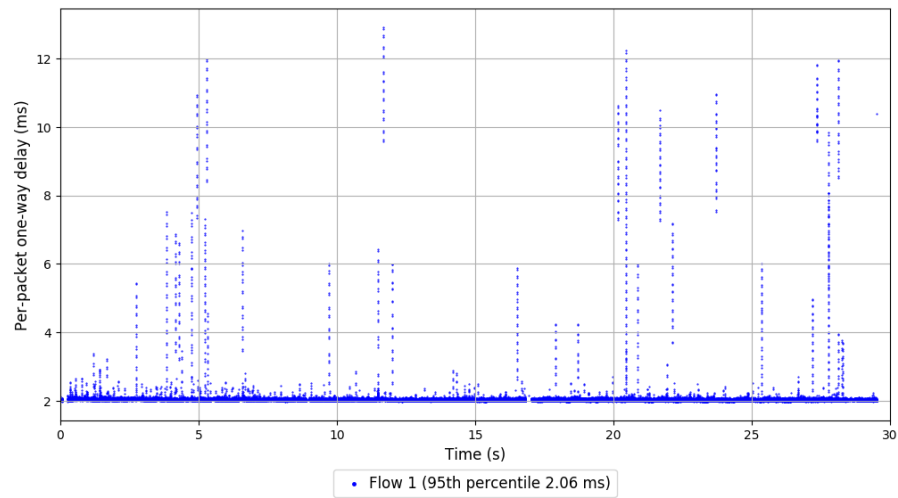
Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-09-03 03:38:09
End at: 2017-09-03 03:38:39
Local clock offset: -3.899 ms
Remote clock offset: 0.445 ms


# Below is generated by plot.py at 2017-09-03 09:12:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 2.057 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 2.057 ms
Loss rate: 0.03%
```
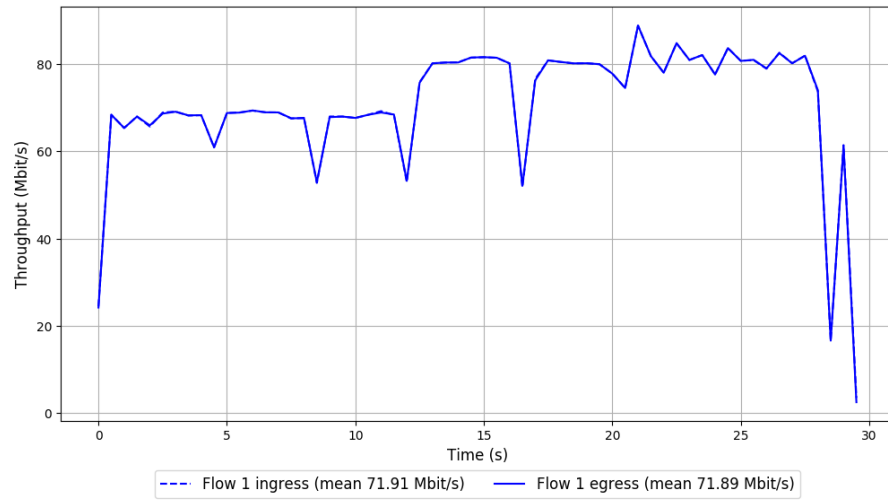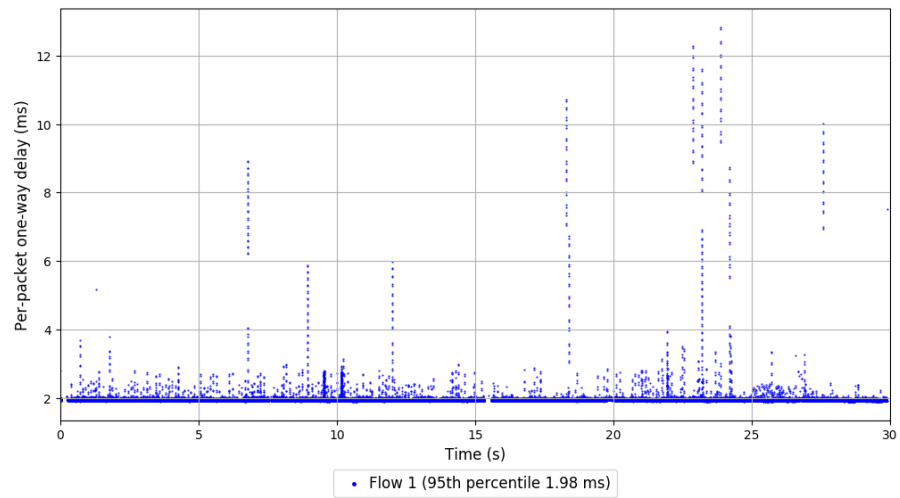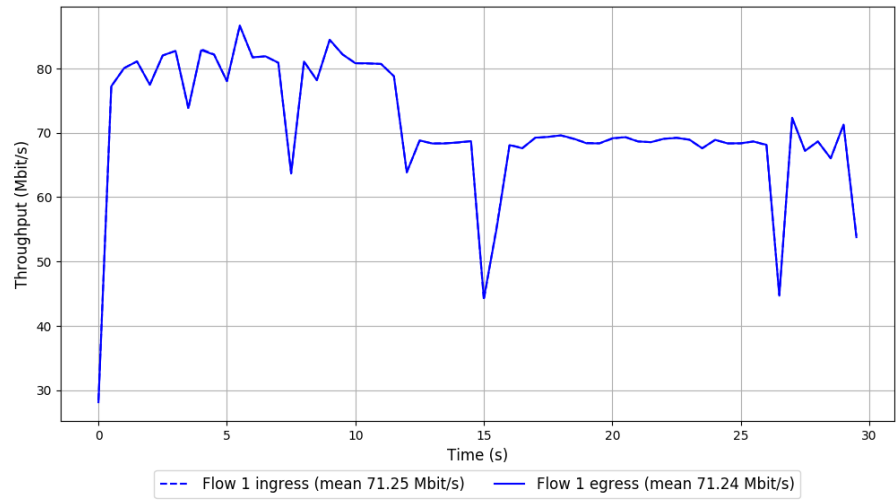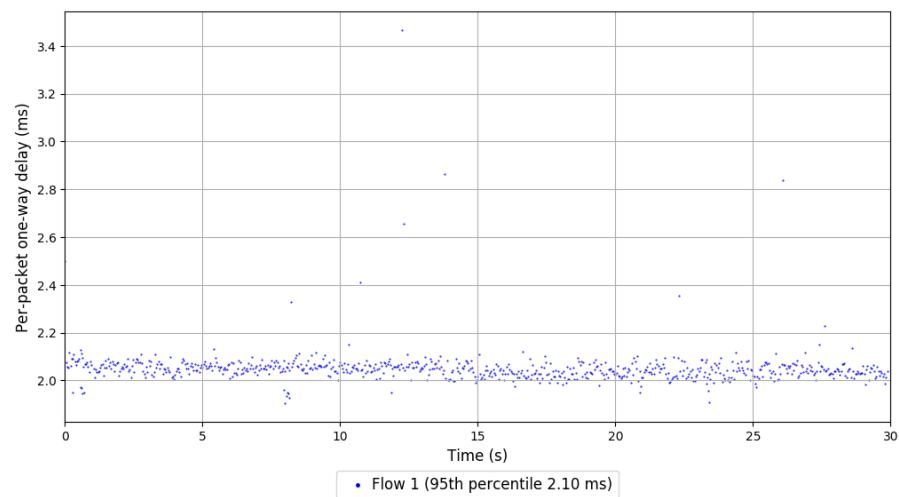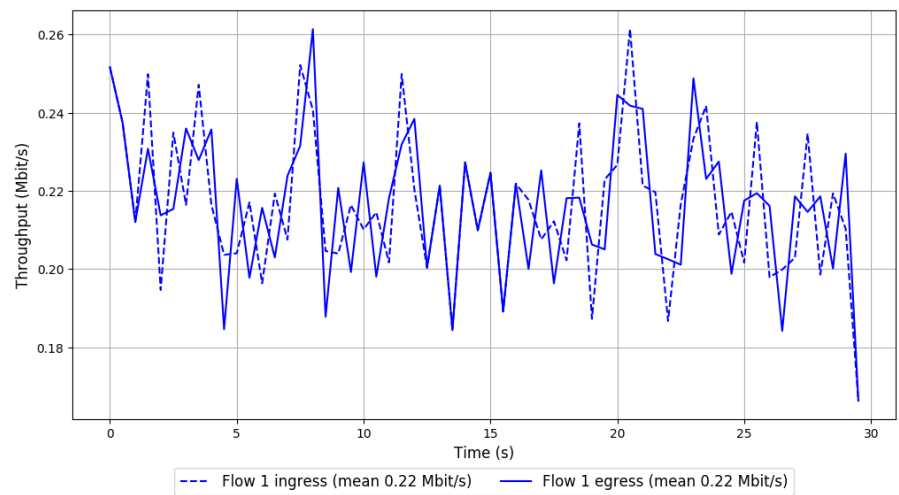
Run 9: Report of QUIC Cubic — Data Link

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-09-03 03:57:22
End at: 2017-09-03 03:57:52
Local clock offset: -3.718 ms
Remote clock offset: 0.358 ms


# Below is generated by plot.py at 2017-09-03 09:12:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.24 Mbit/s
95th percentile per-packet one-way delay: 1.979 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.24 Mbit/s
95th percentile per-packet one-way delay: 1.979 ms
Loss rate: 0.01%
```
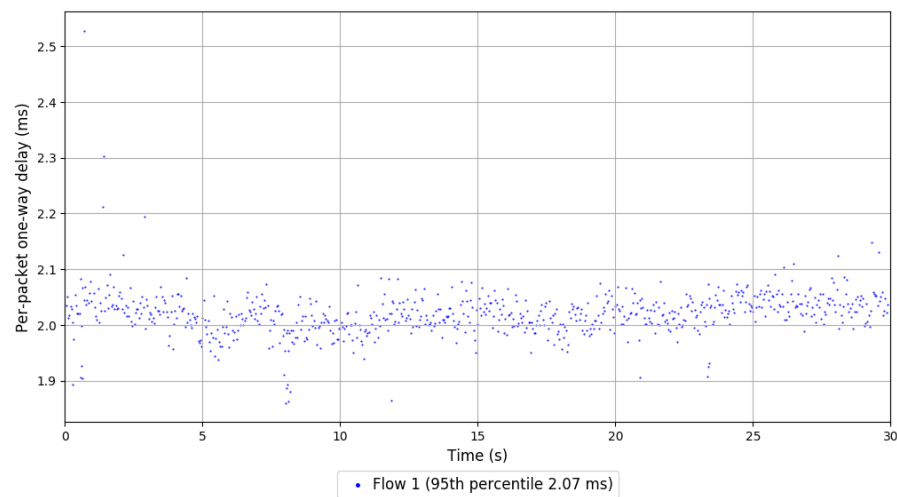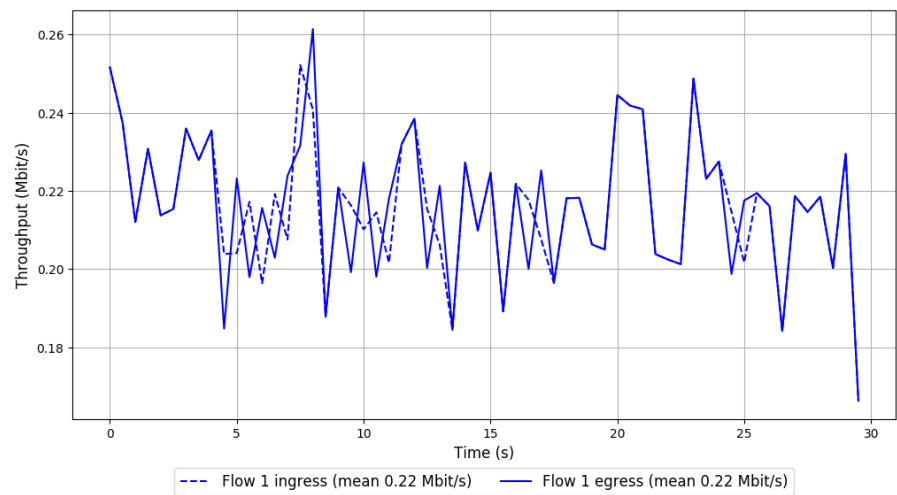
Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2017-09-03 01:00:03
End at: 2017-09-03 01:00:33
Local clock offset: -2.237 ms
Remote clock offset: 0.124 ms


# Below is generated by plot.py at 2017-09-03 09:12:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.096 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 2.10 ms)

```
Run 2: Statistics of SCReAM

Start at: 2017-09-03 01:19:00
End at: 2017-09-03 01:19:30
Local clock offset: -2.479 ms
Remote clock offset: 0.416 ms


# Below is generated by plot.py at 2017-09-03 09:12:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.068 ms
Loss rate: 0.00%
```
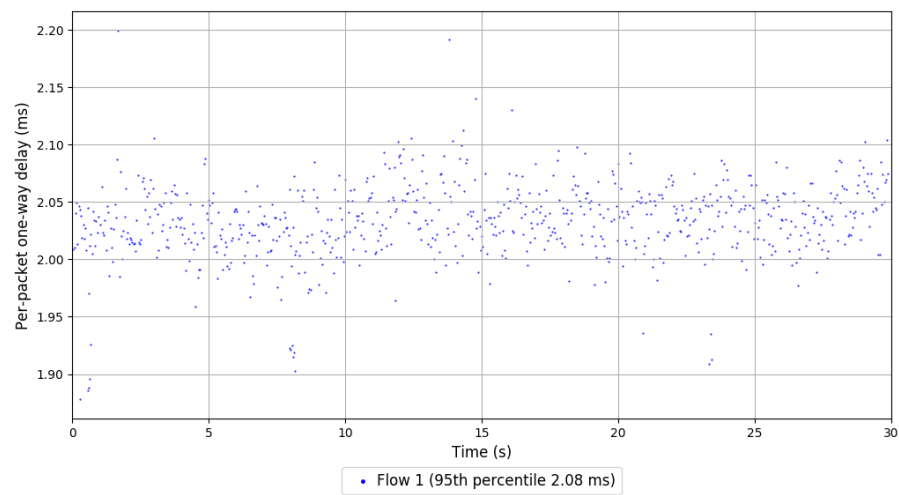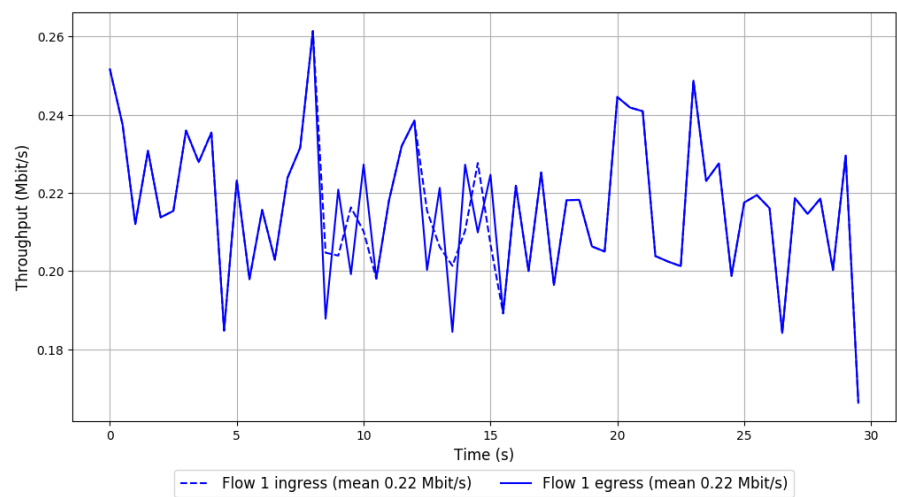
Run 2: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.07 ms)

```
Run 3: Statistics of SCReAM

Start at: 2017-09-03 01:38:08
End at: 2017-09-03 01:38:38
Local clock offset: -2.977 ms
Remote clock offset: 0.678 ms


# Below is generated by plot.py at 2017-09-03 09:12:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.084 ms
Loss rate: 0.00%
```
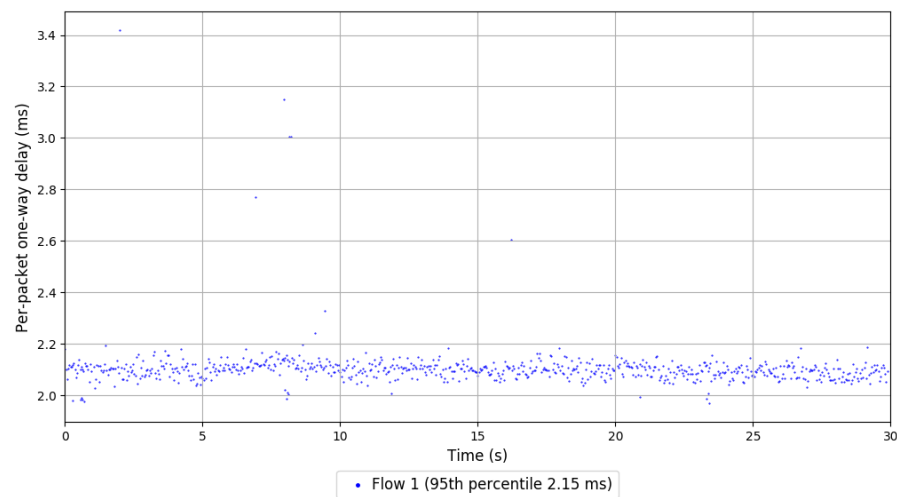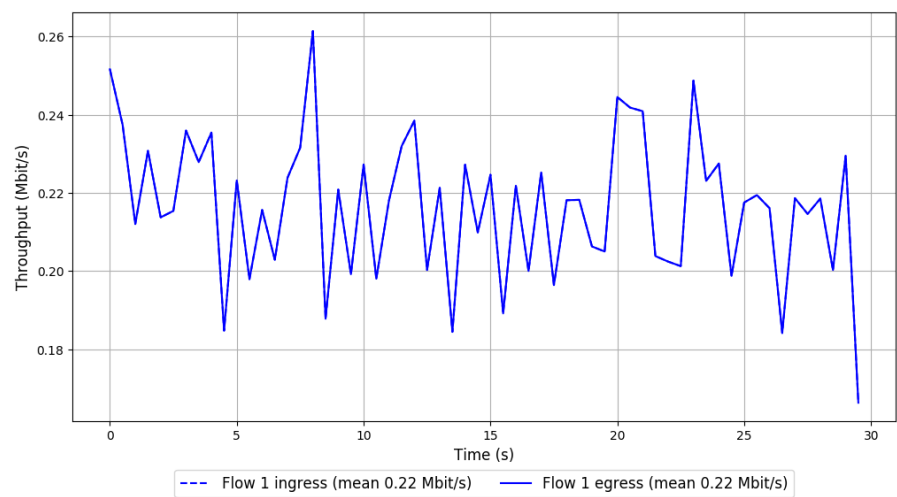
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2017-09-03 01:56:53
End at: 2017-09-03 01:57:23
Local clock offset: -3.321 ms
Remote clock offset: 0.909 ms


# Below is generated by plot.py at 2017-09-03 09:12:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.150 ms
Loss rate: 0.00%
```
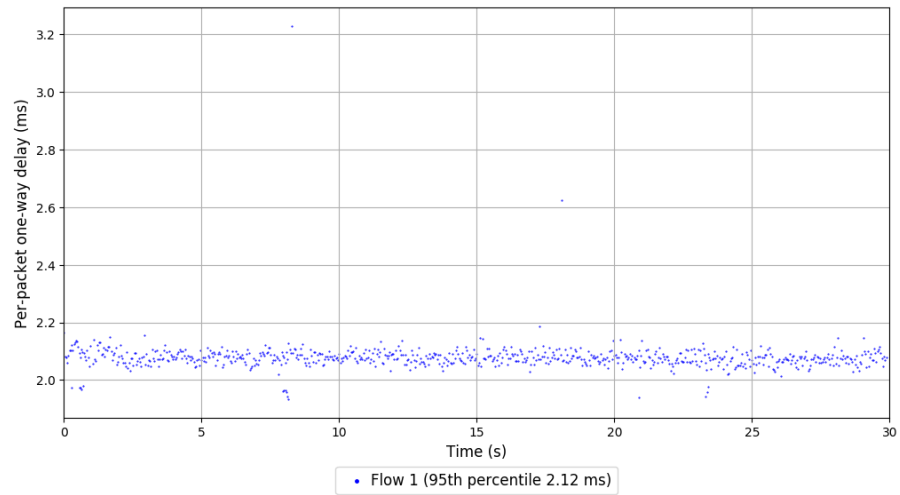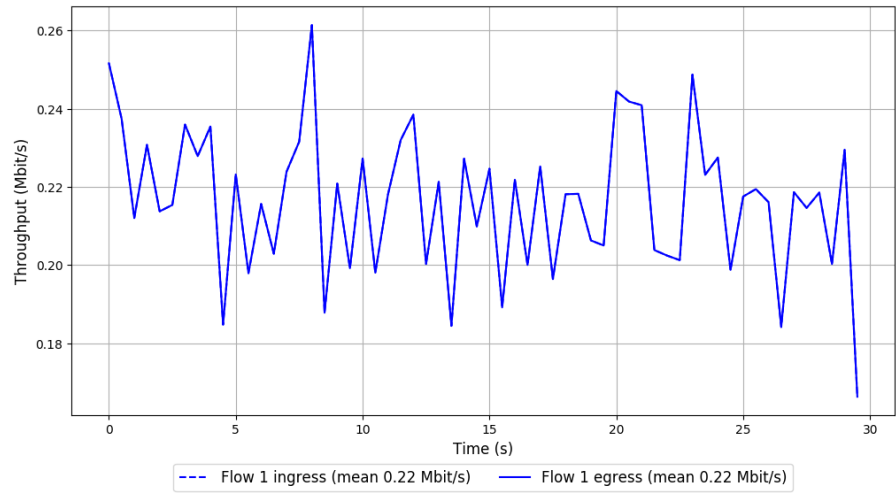
Run 4: Report of SCReAM — Data Link

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

• Flow 1 (95th percentile 2.15 ms)

```
Run 5: Statistics of SCReAM

Start at: 2017-09-03 02:16:09
End at: 2017-09-03 02:16:39
Local clock offset: -3.679 ms
Remote clock offset: 0.823 ms


# Below is generated by plot.py at 2017-09-03 09:12:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.117 ms
Loss rate: 0.00%
```
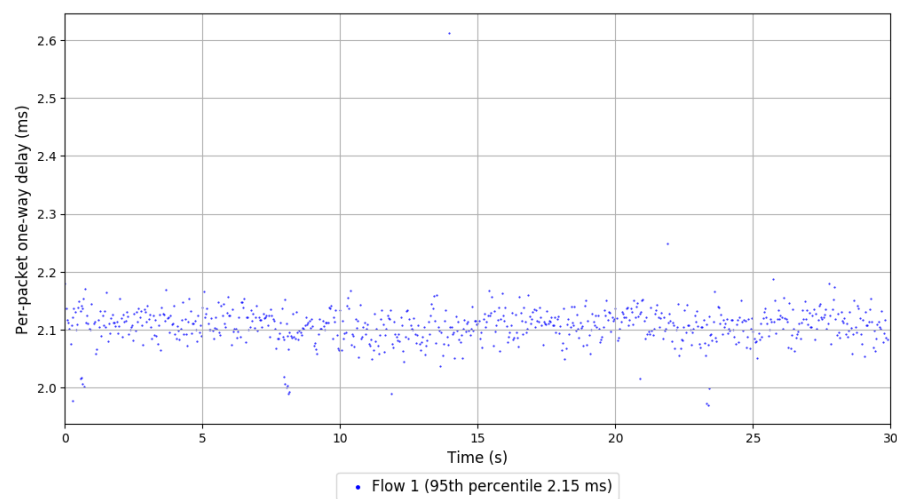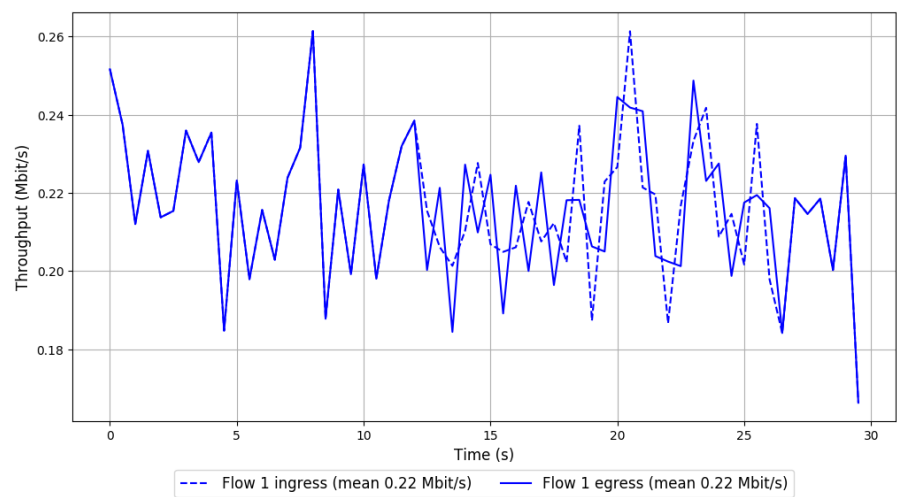
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2017-09-03 02:35:09
End at: 2017-09-03 02:35:39
Local clock offset: -3.916 ms
Remote clock offset: 0.843 ms


# Below is generated by plot.py at 2017-09-03 09:12:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.149 ms
Loss rate: 0.00%
```
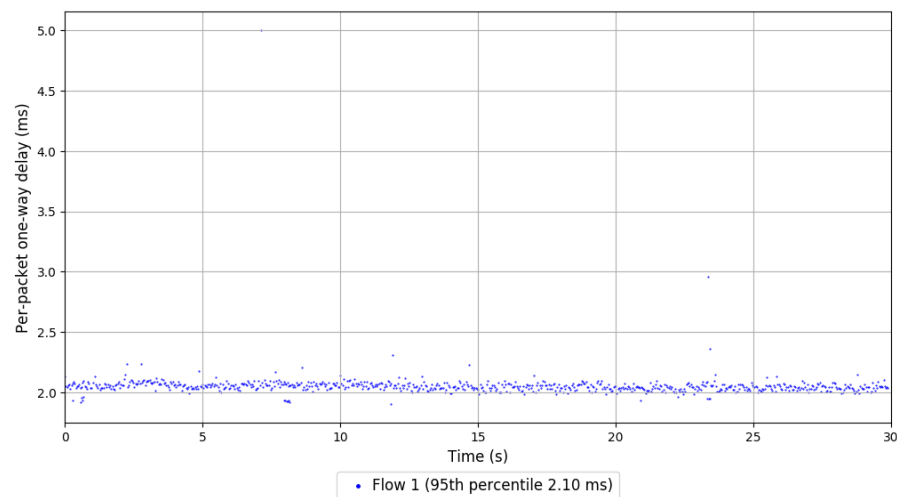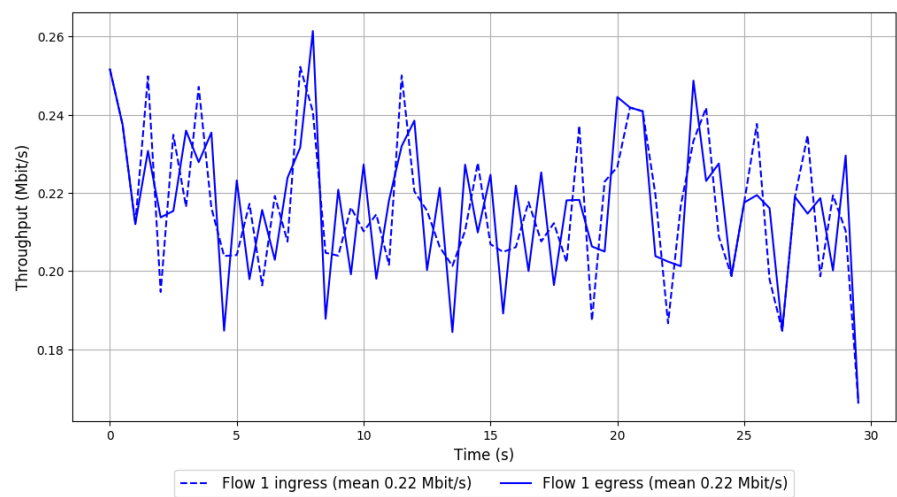
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2017-09-03 02:54:04
End at: 2017-09-03 02:54:34
Local clock offset: -3.929 ms
Remote clock offset: 0.901 ms


# Below is generated by plot.py at 2017-09-03 09:12:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.097 ms
Loss rate: 0.00%
```
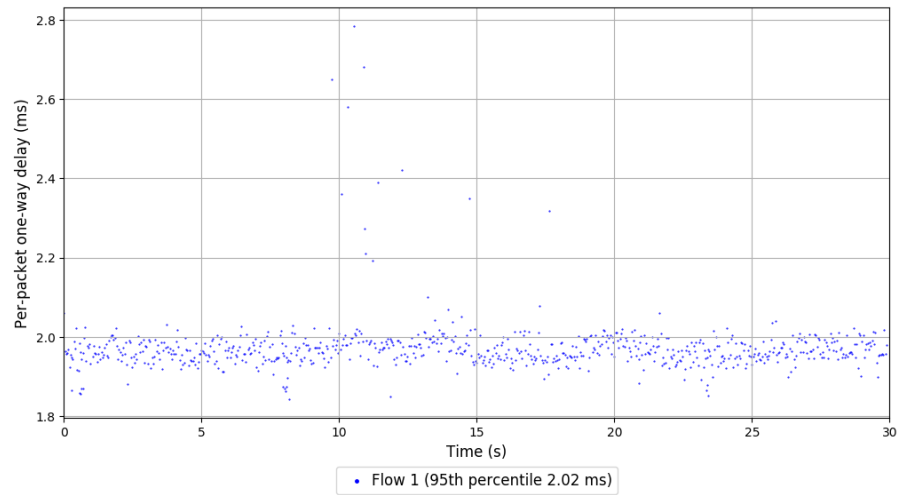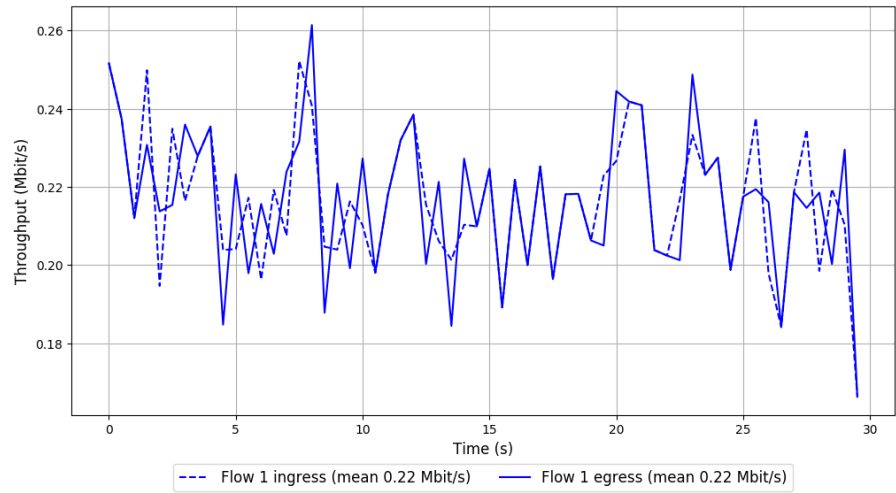
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2017-09-03 03:12:50
End at: 2017-09-03 03:13:20
Local clock offset: -3.994 ms
Remote clock offset: 0.757 ms


# Below is generated by plot.py at 2017-09-03 09:12:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.017 ms
Loss rate: 0.00%
```
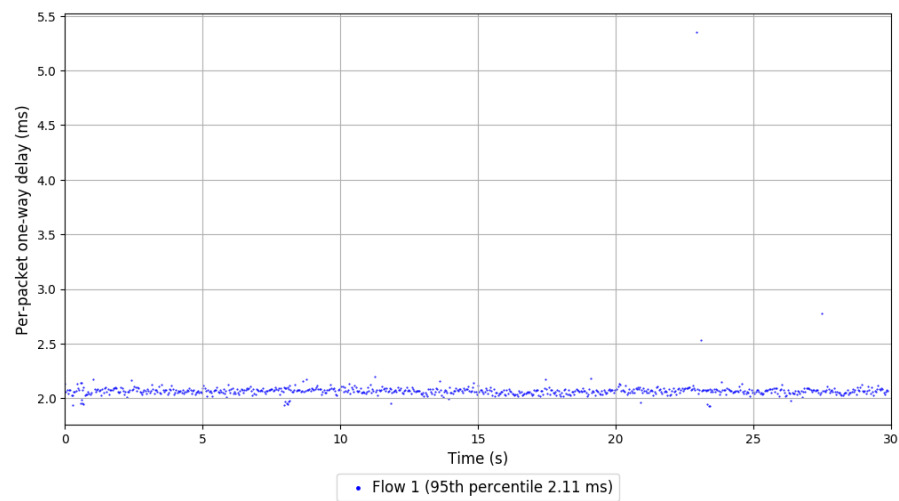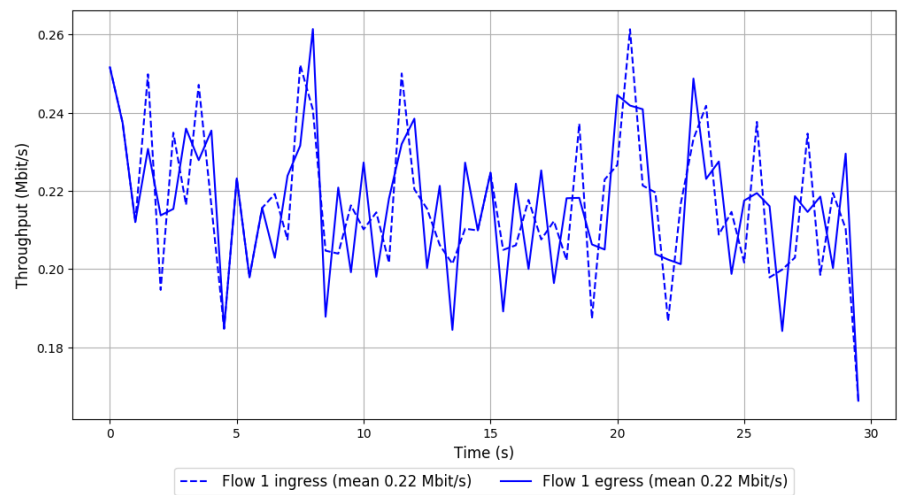
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2017-09-03 03:31:39
End at: 2017-09-03 03:32:09
Local clock offset: -3.972 ms
Remote clock offset: 0.541 ms


# Below is generated by plot.py at 2017-09-03 09:12:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.112 ms
Loss rate: 0.00%
```
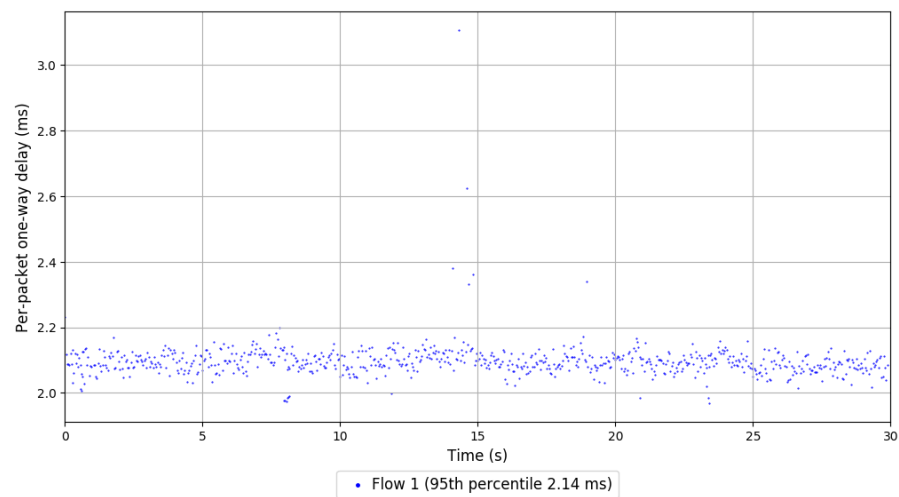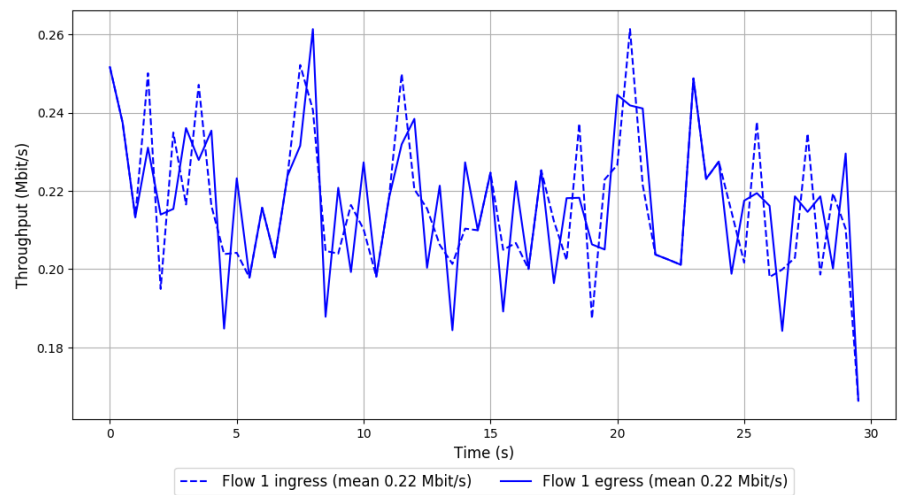
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2017-09-03 03:50:47
End at: 2017-09-03 03:51:18
Local clock offset: -3.903 ms
Remote clock offset: 0.336 ms


# Below is generated by plot.py at 2017-09-03 09:12:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.144 ms
Loss rate: 0.00%
```
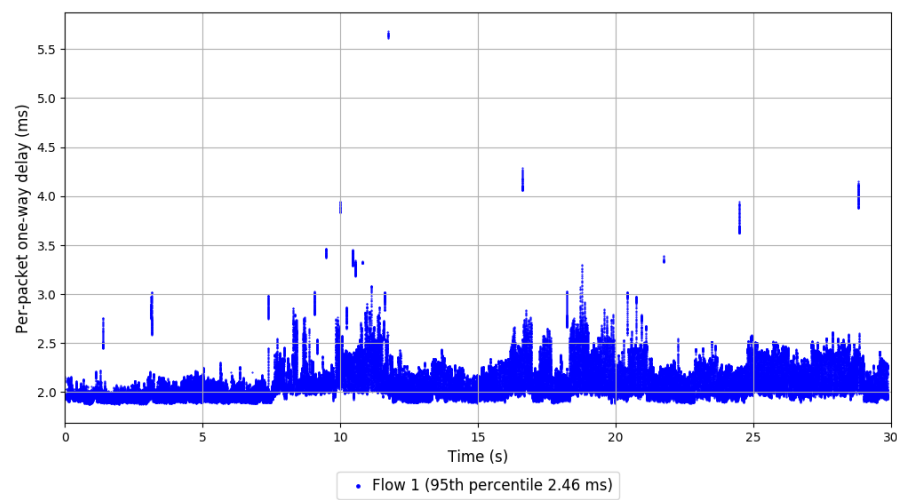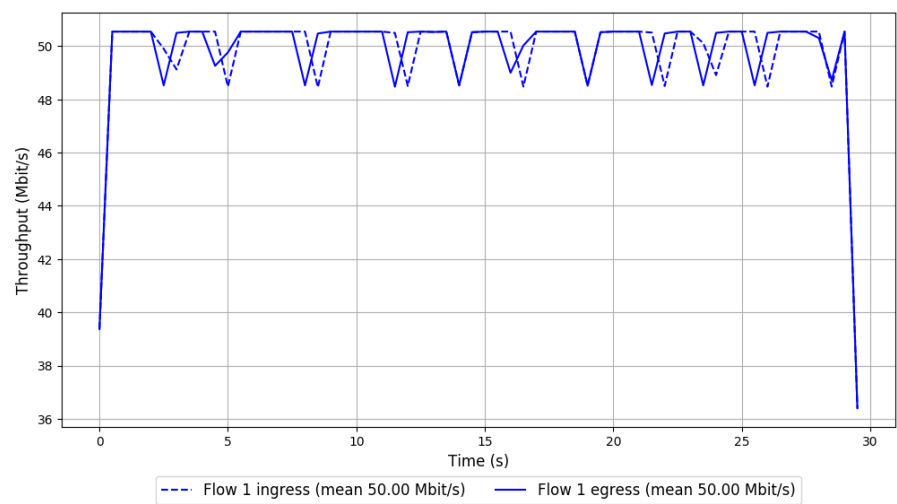
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-09-03 00:53:51
End at: 2017-09-03 00:54:21
Local clock offset: -2.267 ms
Remote clock offset: 0.084 ms


# Below is generated by plot.py at 2017-09-03 09:12:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 2.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 2.459 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2017-09-03 01:12:45
End at: 2017-09-03 01:13:15
Local clock offset: -2.314 ms
Remote clock offset: 0.291 ms


# Below is generated by plot.py at 2017-09-03 09:12:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 2.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 2.657 ms
Loss rate: 0.00%
```
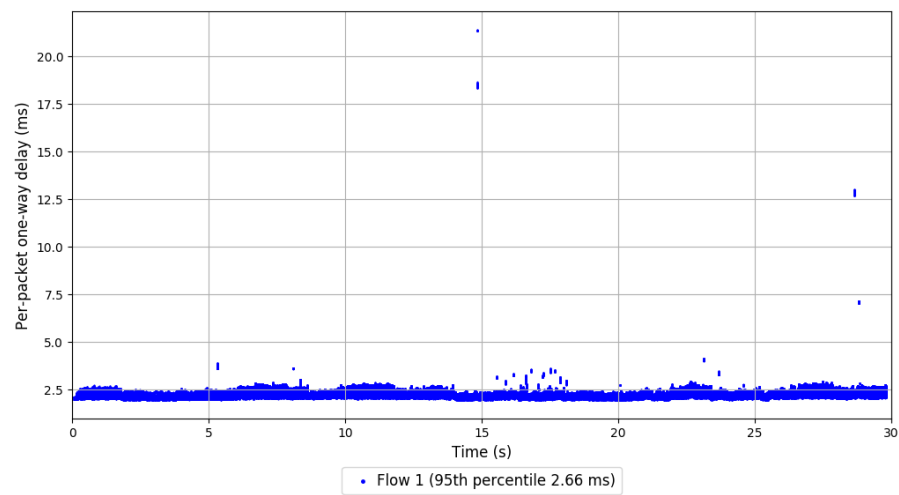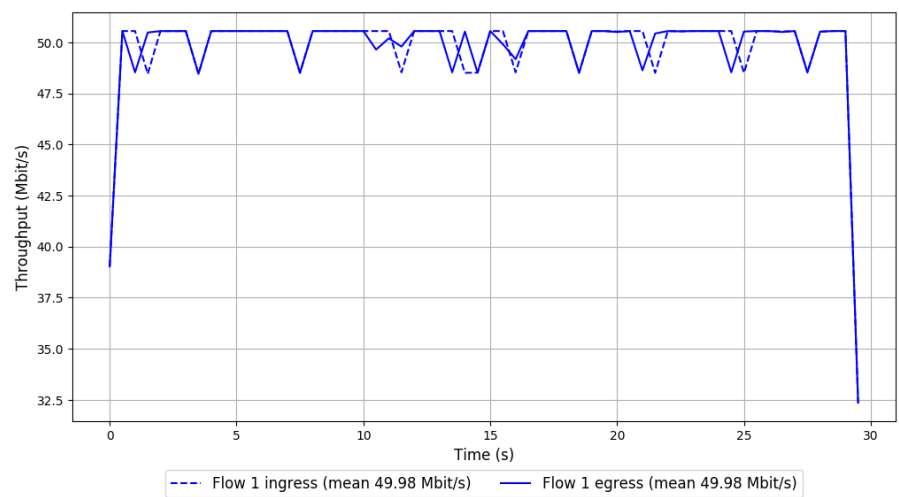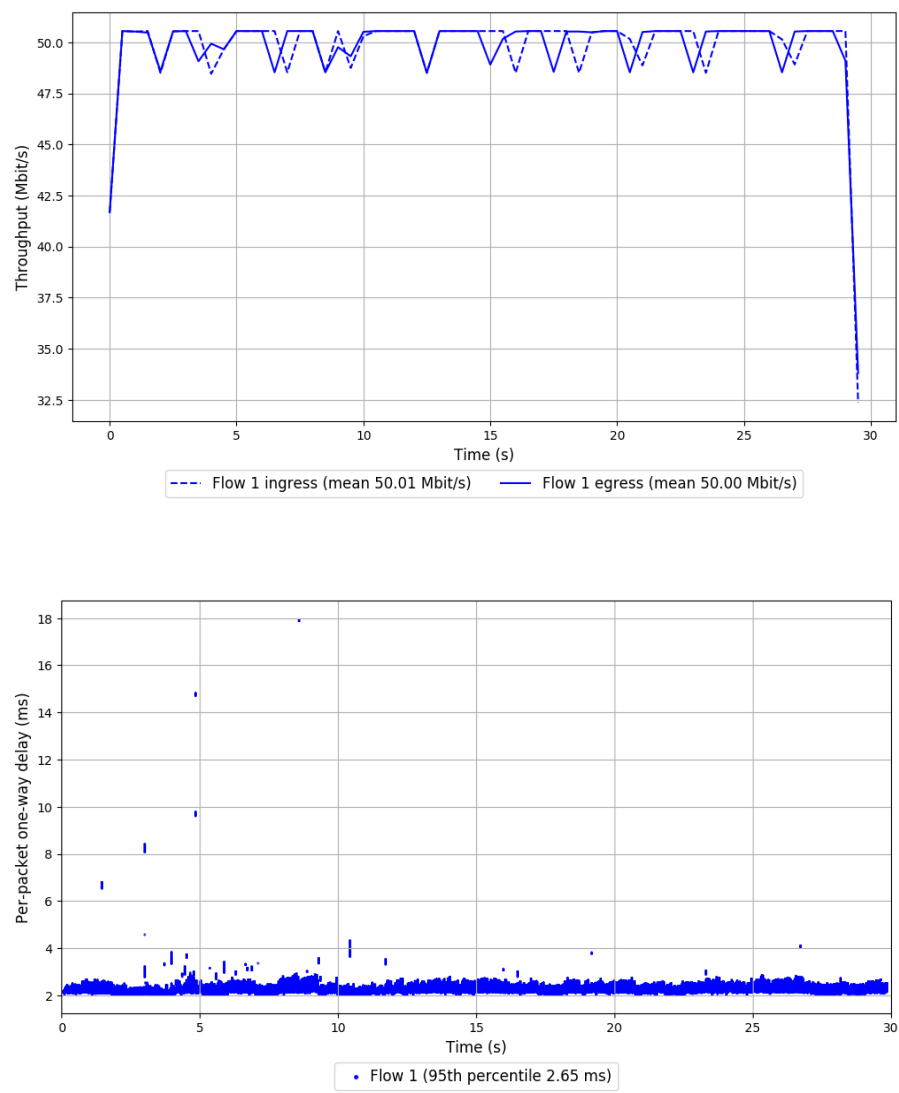
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2017-09-03 01:31:56
End at: 2017-09-03 01:32:26
Local clock offset: -2.768 ms
Remote clock offset: 0.517 ms


# Below is generated by plot.py at 2017-09-03 09:12:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 2.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 2.645 ms
Loss rate: 0.00%
```
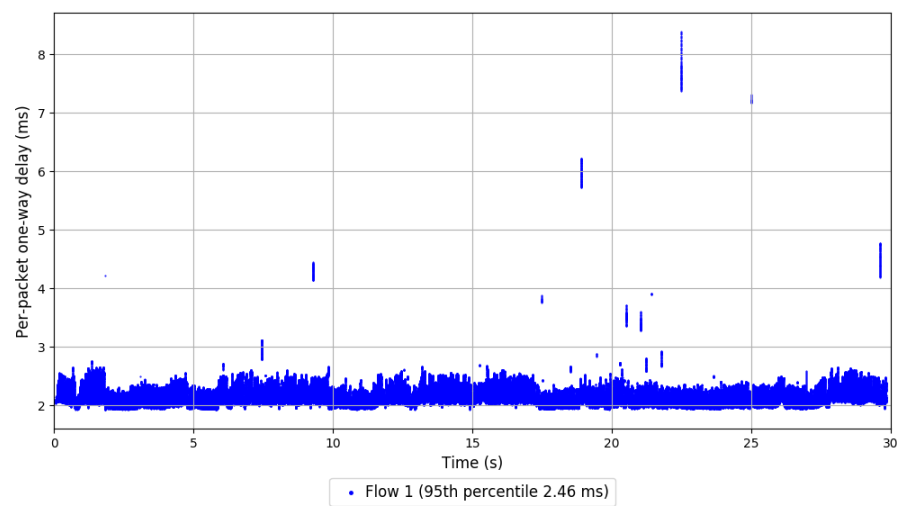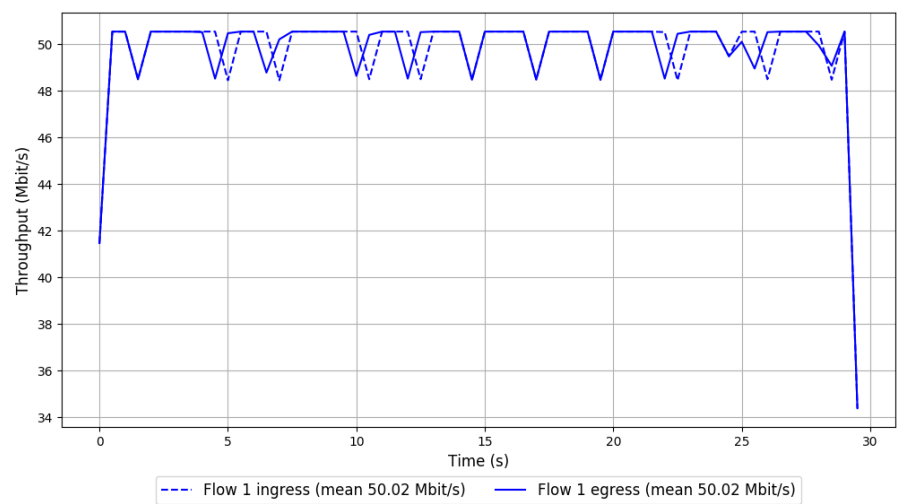
Run 3: Report of Sprout — Data Link
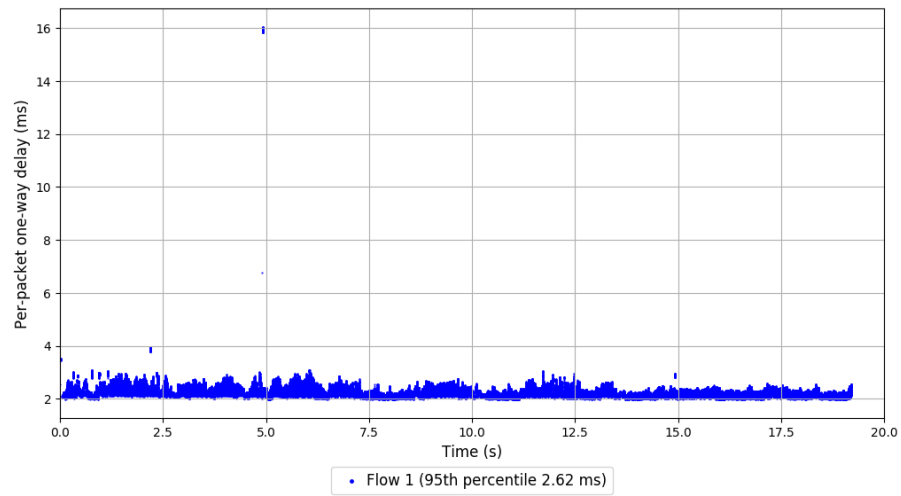
```
Run 4: Statistics of Sprout

Start at: 2017-09-03 01:50:40
End at: 2017-09-03 01:51:10
Local clock offset: -3.26 ms
Remote clock offset: 0.827 ms


# Below is generated by plot.py at 2017-09-03 09:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link
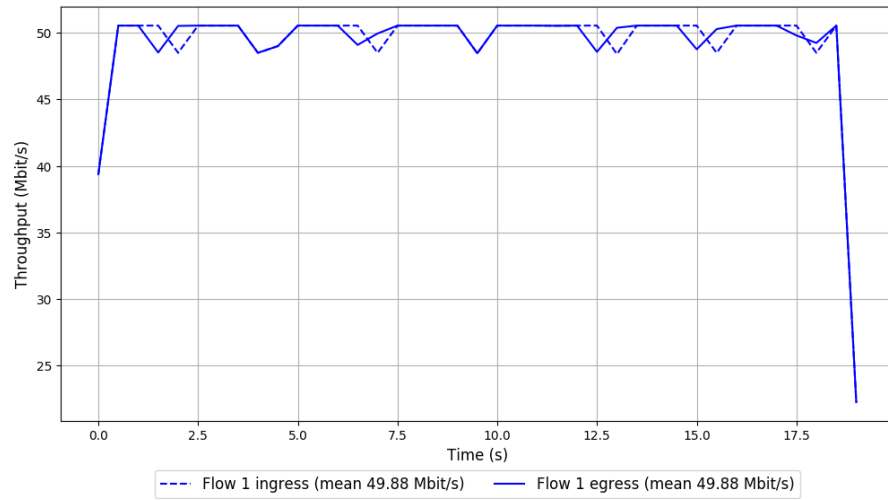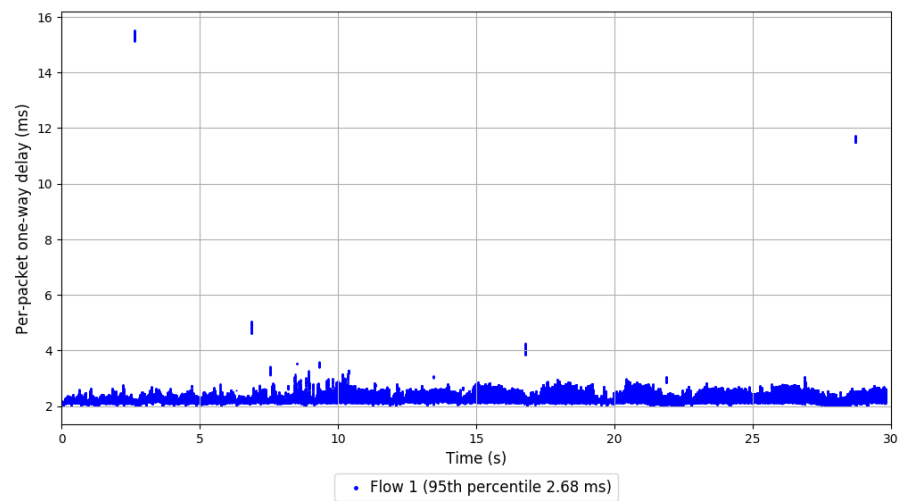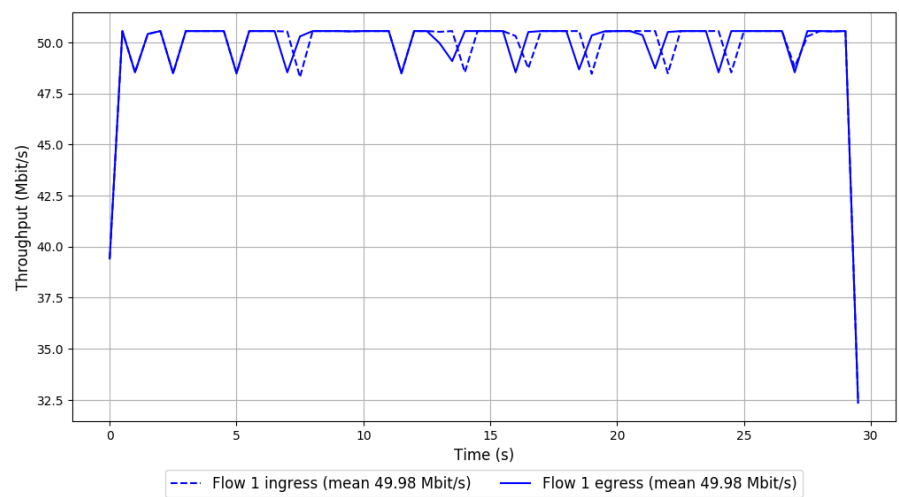
```
Run 5: Statistics of Sprout

Start at: 2017-09-03 02:09:51
End at: 2017-09-03 02:10:21
Local clock offset: -3.549 ms
Remote clock offset: 0.826 ms
```

Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 49.88 Mbit/s)   Flow 1 egress (mean 49.88 Mbit/s)
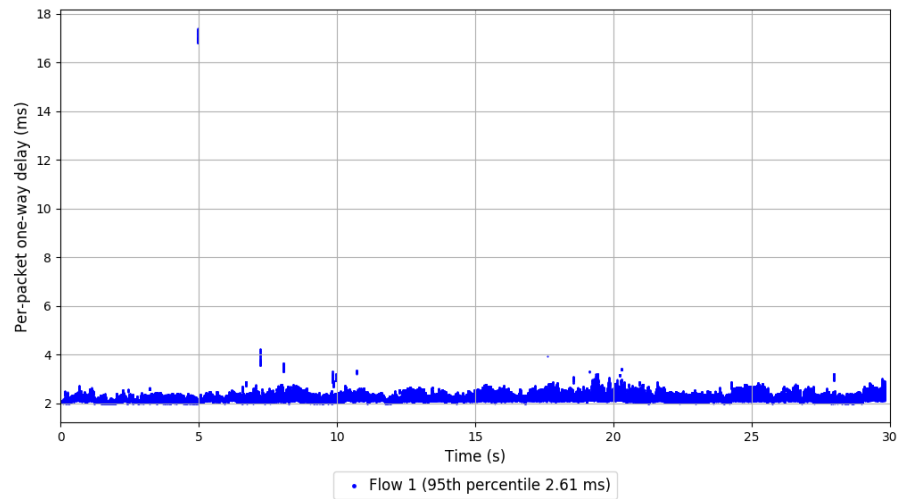

Flow 1 (95th percentile 2.62 ms)

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```
Run 6: Statistics of Sprout

Start at: 2017-09-03 02:28:52
End at: 2017-09-03 02:29:22
Local clock offset: -3.781 ms
Remote clock offset: 0.81 ms


# Below is generated by plot.py at 2017-09-03 09:13:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 2.678 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 2.678 ms
Loss rate: 0.00%
```

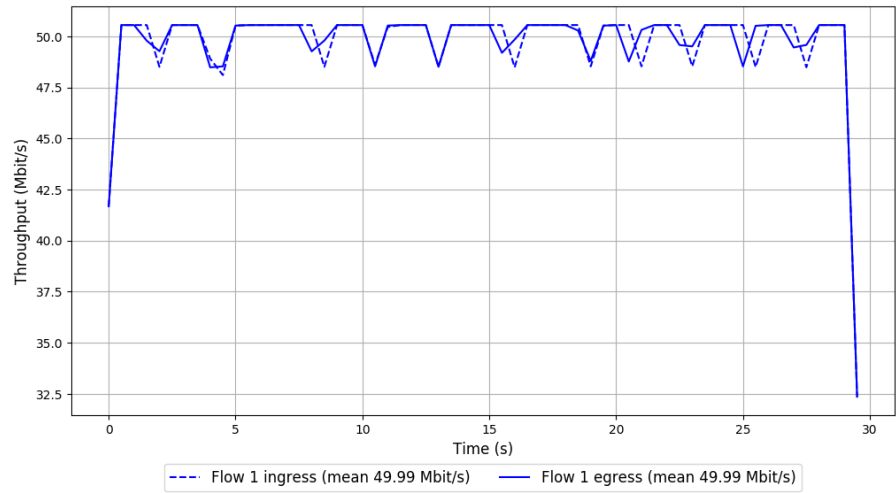## Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2017-09-03 02:47:42
End at: 2017-09-03 02:48:12
Local clock offset: -3.914 ms
Remote clock offset: 0.871 ms


# Below is generated by plot.py at 2017-09-03 09:13:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 2.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 2.610 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

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```
Run 8: Statistics of Sprout

Start at: 2017-09-03 03:06:37
End at: 2017-09-03 03:07:07
Local clock offset: -3.961 ms
Remote clock offset: 0.825 ms


# Below is generated by plot.py at 2017-09-03 09:13:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 2.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 2.478 ms
Loss rate: 0.00%
```
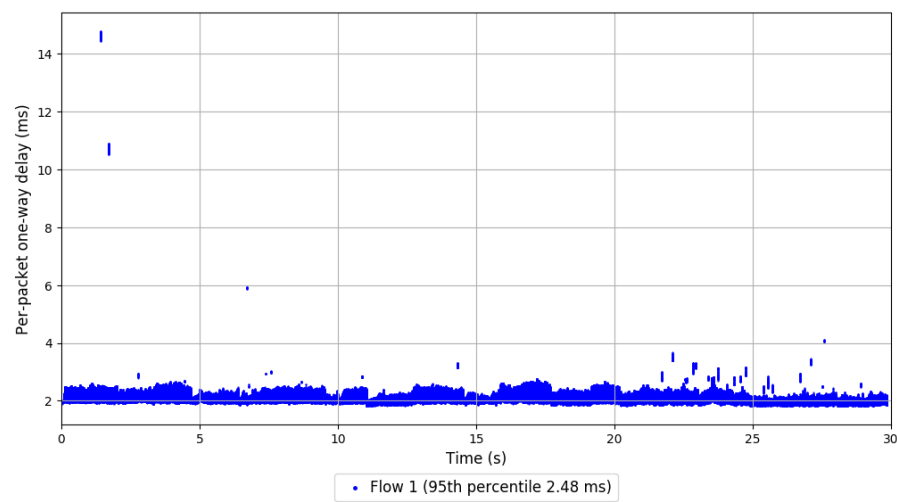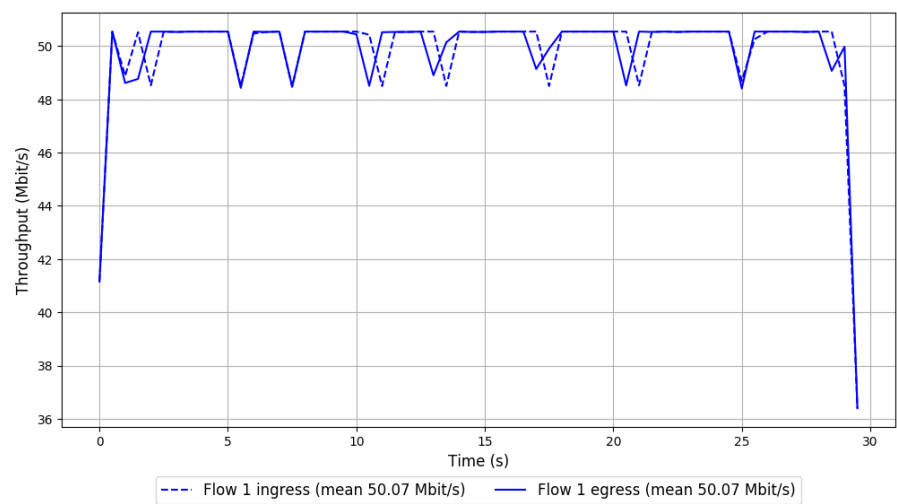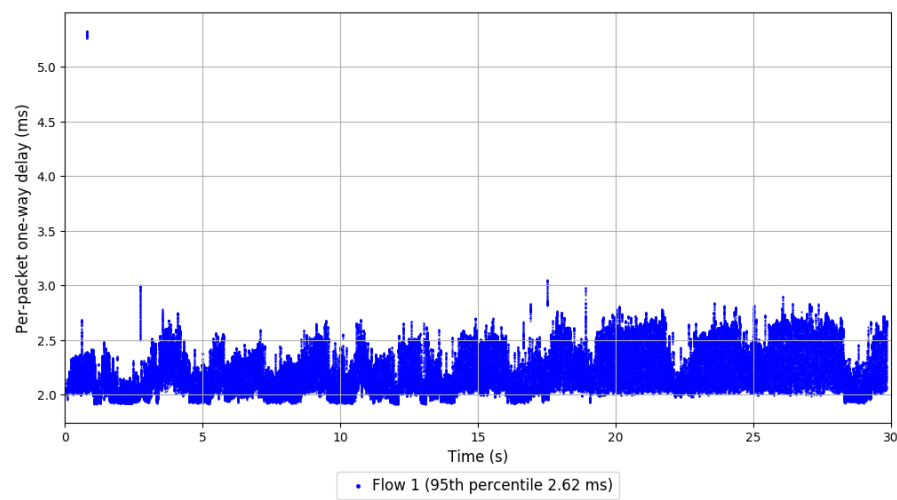
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2017-09-03 03:25:22
End at: 2017-09-03 03:25:52
Local clock offset: -3.872 ms
Remote clock offset: 0.709 ms


# Below is generated by plot.py at 2017-09-03 09:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 2.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 2.615 ms
Loss rate: 0.00%
```
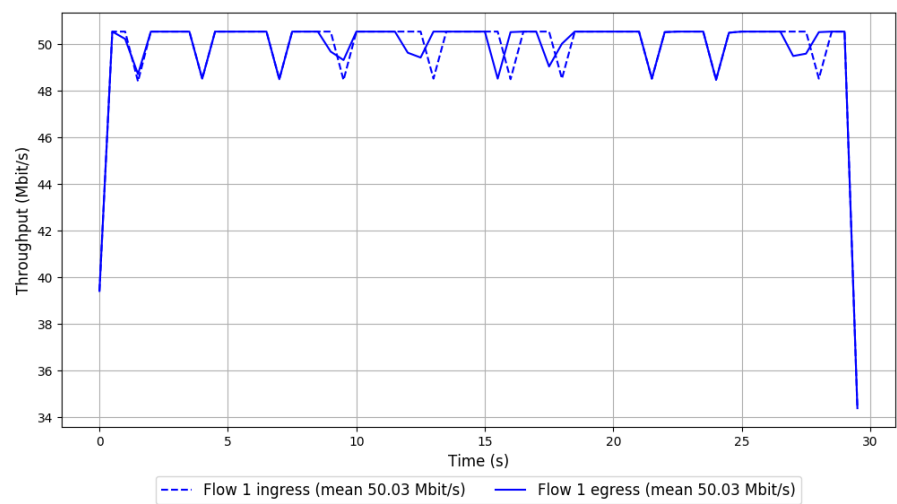
Run 9: Report of Sprout — Data Link

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```
Run 10: Statistics of Sprout

Start at: 2017-09-03 03:44:34
End at: 2017-09-03 03:45:04
Local clock offset: -3.92 ms
Remote clock offset: 0.457 ms


# Below is generated by plot.py at 2017-09-03 09:13:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%
```
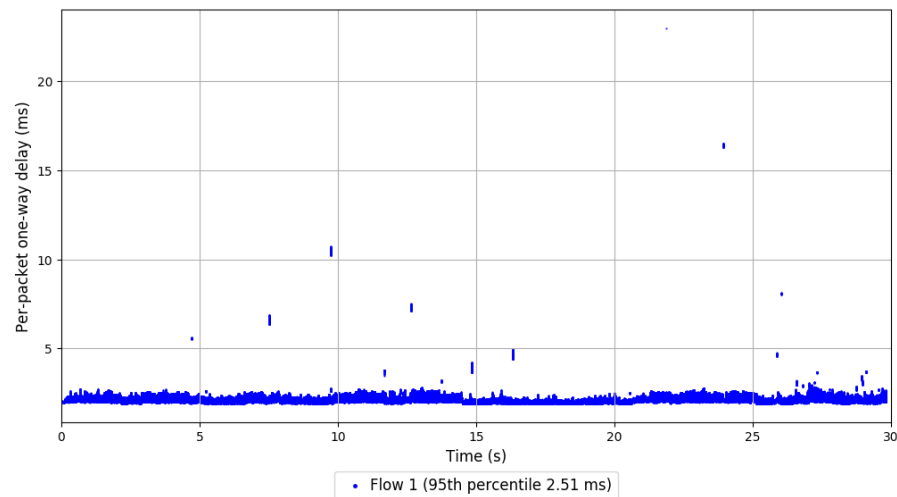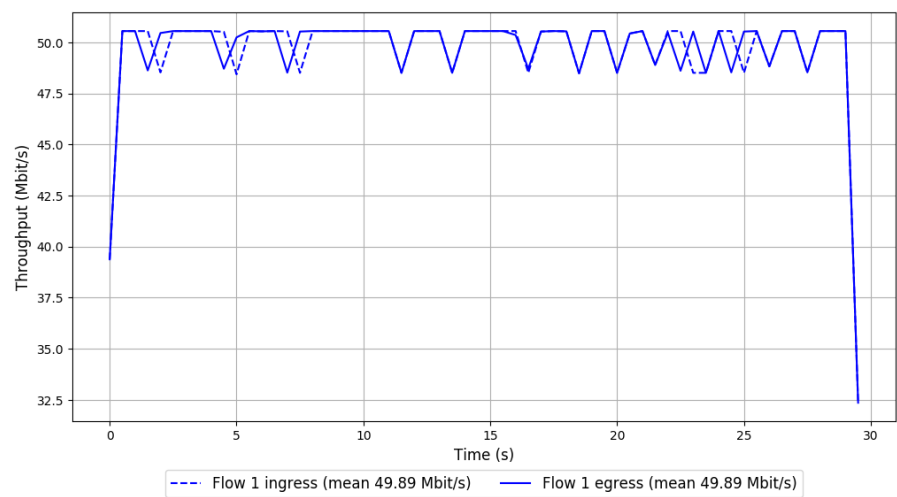
Run 10: Report of Sprout — Data Link

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

Start at: 2017-09-03 00:58:51
End at: 2017-09-03 00:59:21
Local clock offset: -2.23 ms
Remote clock offset: 0.047 ms


# Below is generated by plot.py at 2017-09-03 09:13:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 2.100 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 2.100 ms
Loss rate: 0.03%
```
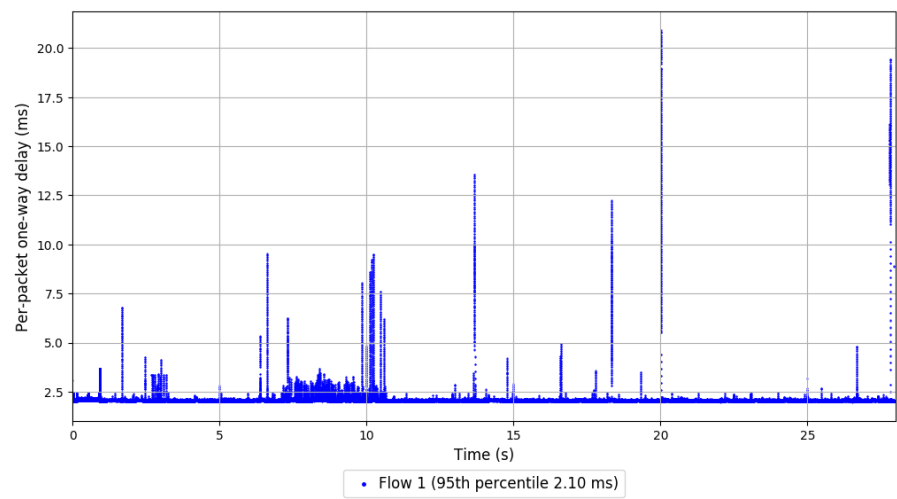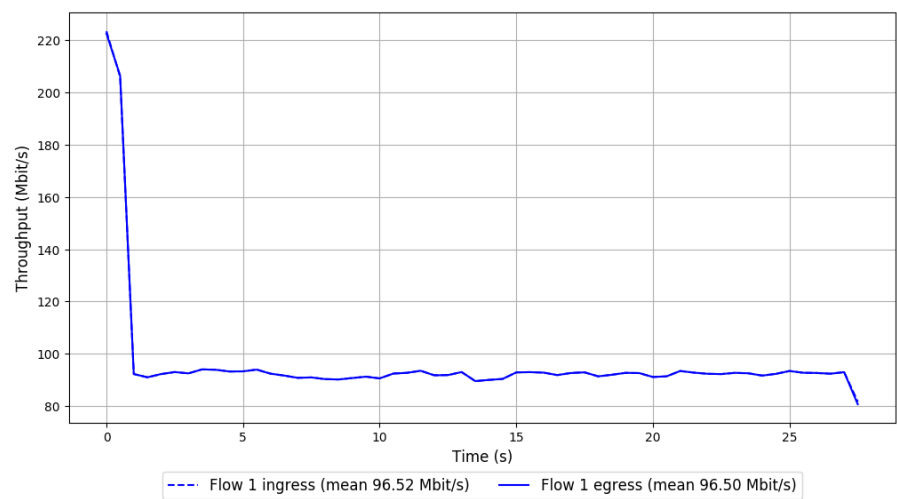
Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-03 01:17:48
End at: 2017-09-03 01:18:18
Local clock offset: -2.451 ms
Remote clock offset: 0.316 ms


# Below is generated by plot.py at 2017-09-03 09:13:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 2.092 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 2.092 ms
Loss rate: 0.03%
```
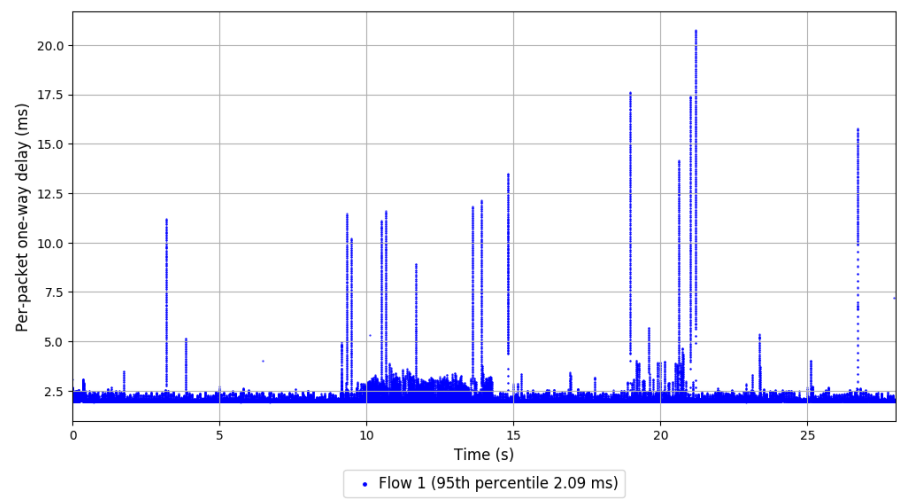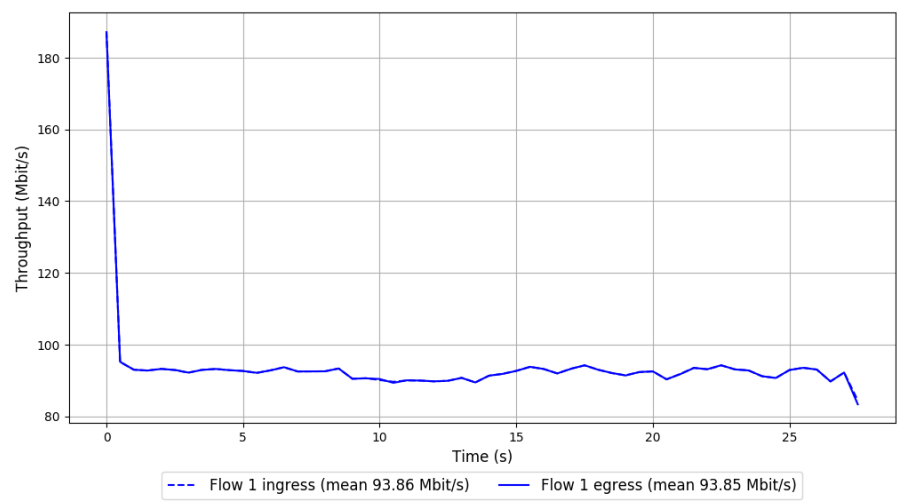
Run 2: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-03 01:36:56
End at: 2017-09-03 01:37:26
Local clock offset: -3.014 ms
Remote clock offset: 0.586 ms


# Below is generated by plot.py at 2017-09-03 09:13:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.94 Mbit/s
95th percentile per-packet one-way delay: 2.049 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 97.94 Mbit/s
95th percentile per-packet one-way delay: 2.049 ms
Loss rate: 0.03%
```
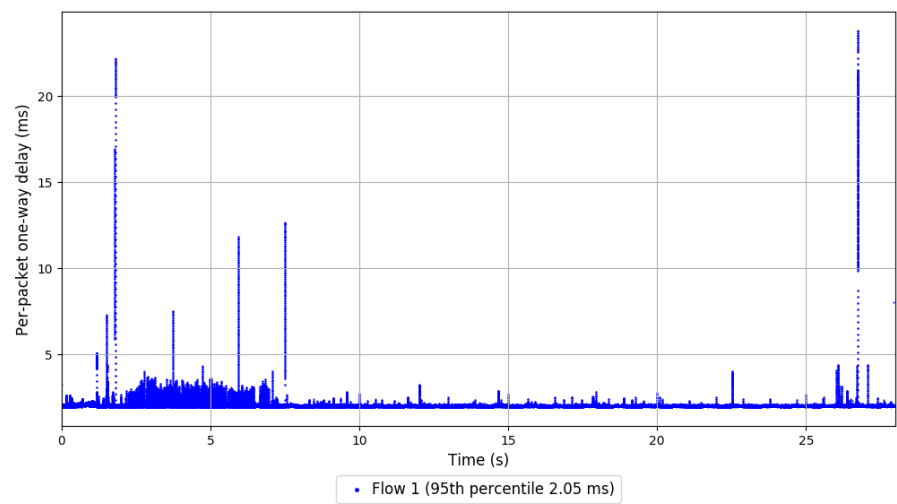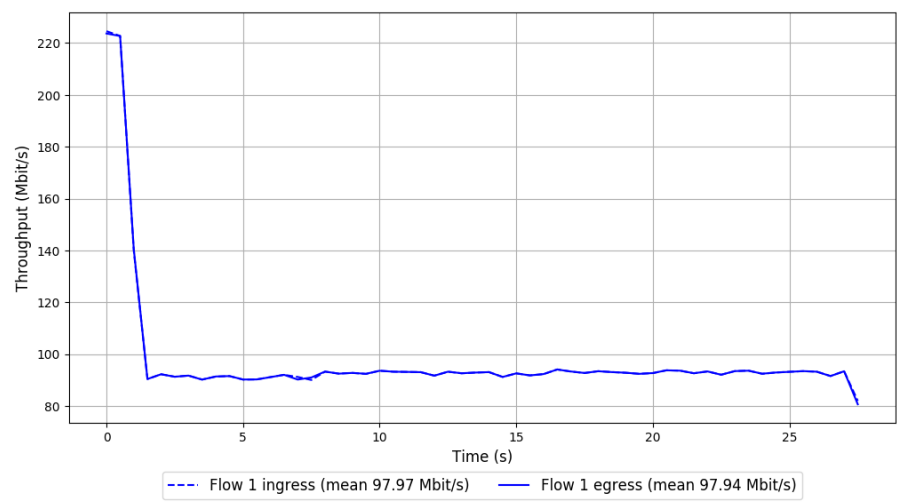
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 97.97 Mbit/s)   Flow 1 egress (mean 97.94 Mbit/s)

Flow 1 (95th percentile 2.05 ms)

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

Start at: 2017-09-03 01:55:42
End at: 2017-09-03 01:56:12
Local clock offset: -3.383 ms
Remote clock offset: 0.837 ms

# Below is generated by plot.py at 2017-09-03 09:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 2.022 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 2.022 ms
Loss rate: 0.01%
```
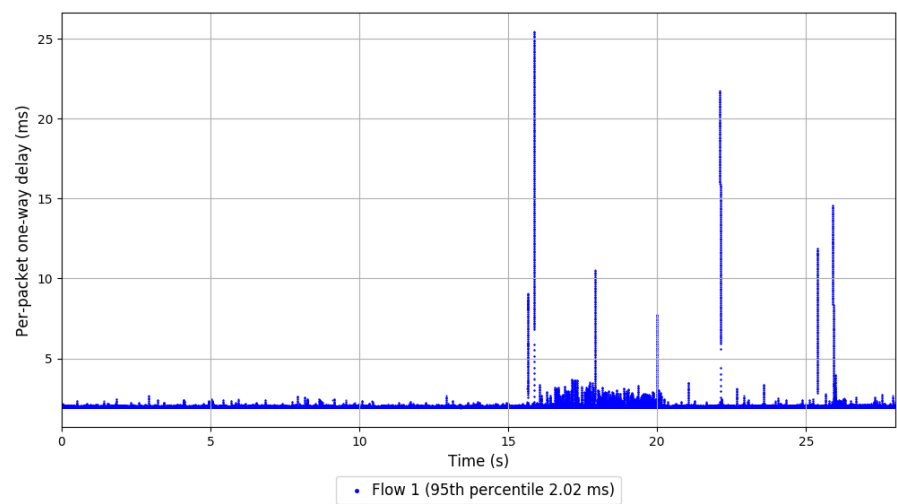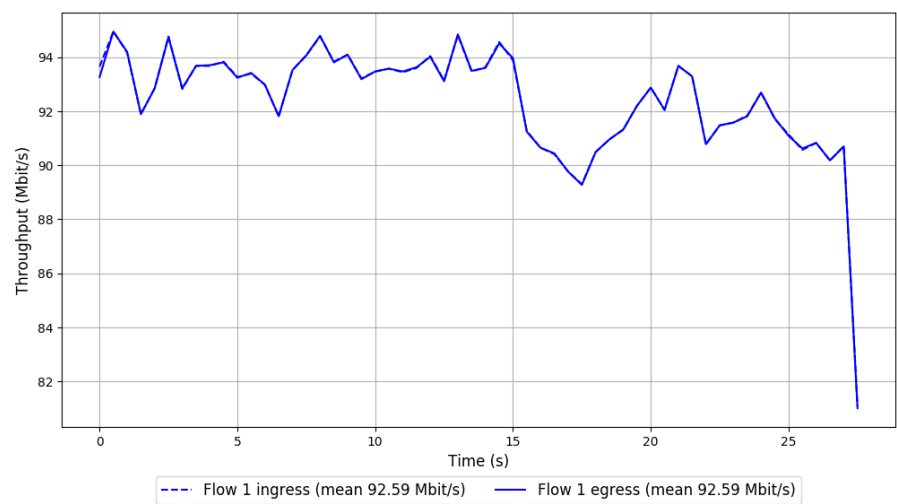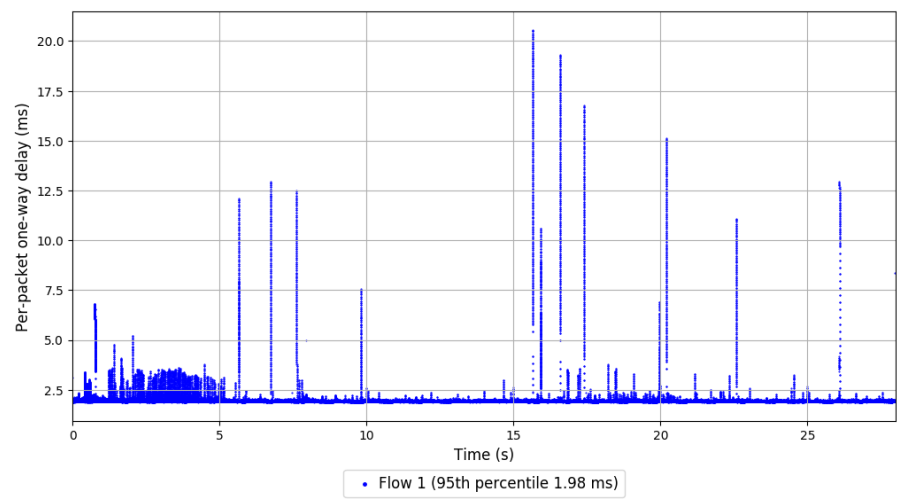
Run 4: Report of TaoVA-100x — Data Link

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

Flow 1 (95th percentile 2.02 ms)

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

Start at: 2017-09-03 02:14:58
End at: 2017-09-03 02:15:28
Local clock offset: -3.666 ms
Remote clock offset: 0.881 ms


# Below is generated by plot.py at 2017-09-03 09:14:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 1.980 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 1.980 ms
Loss rate: 0.02%
```
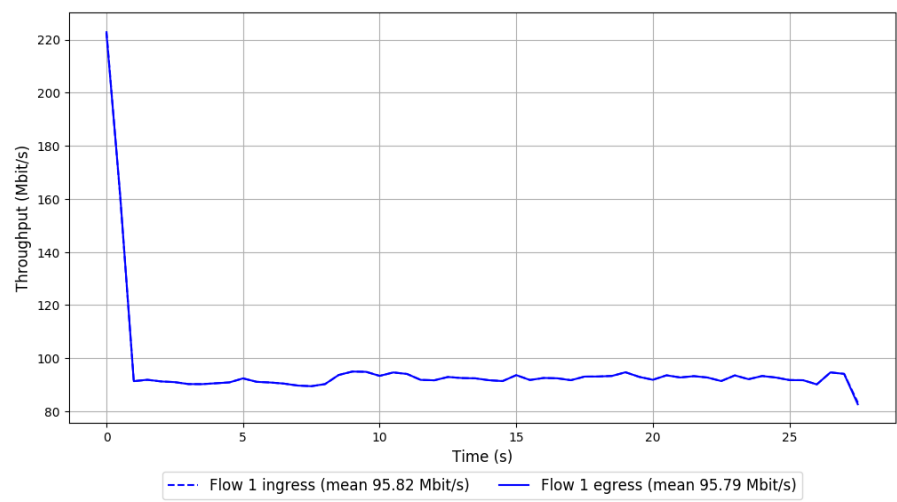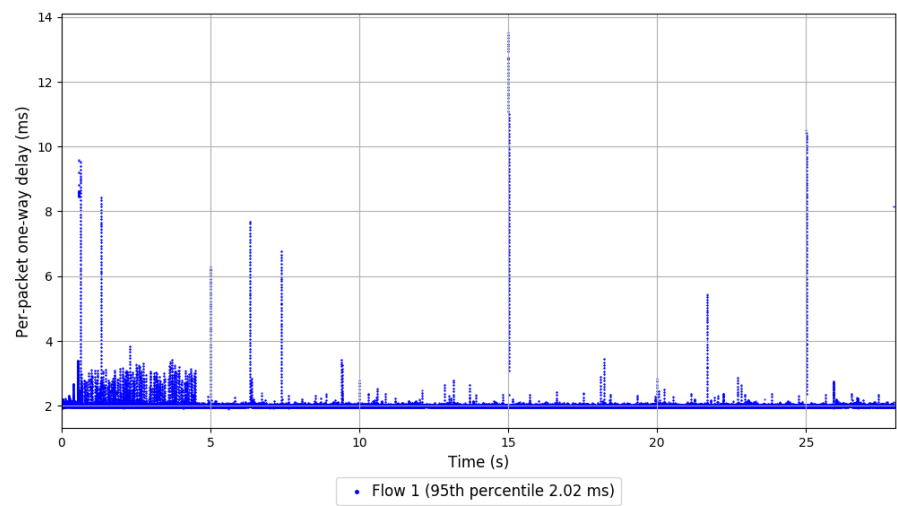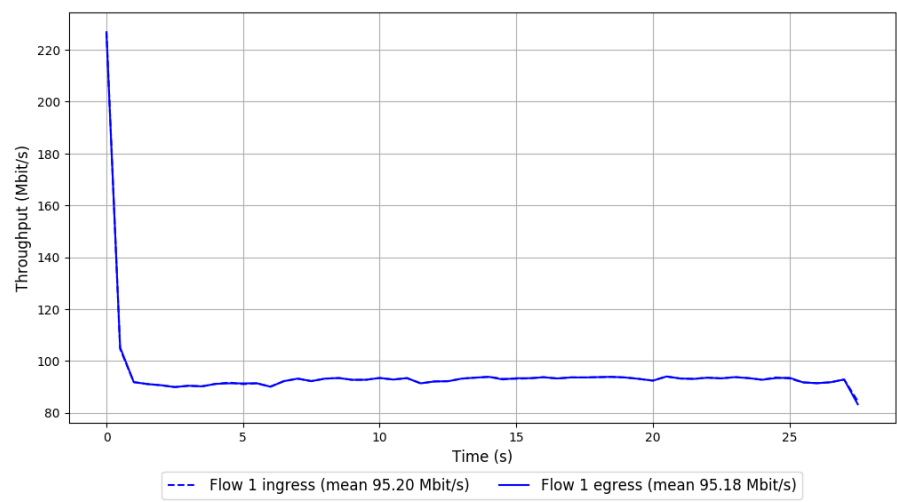
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 95.82 Mbit/s)   Flow 1 egress (mean 95.79 Mbit/s)

Flow 1 (95th percentile 1.98 ms)

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

Start at: 2017-09-03 02:33:58
End at: 2017-09-03 02:34:28
Local clock offset: -3.873 ms
Remote clock offset: 0.893 ms


# Below is generated by plot.py at 2017-09-03 09:14:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 2.023 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 2.023 ms
Loss rate: 0.03%
```
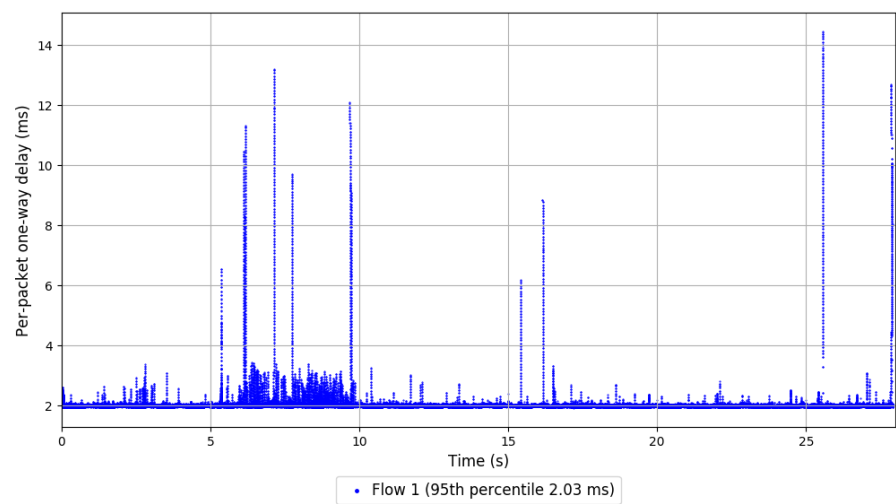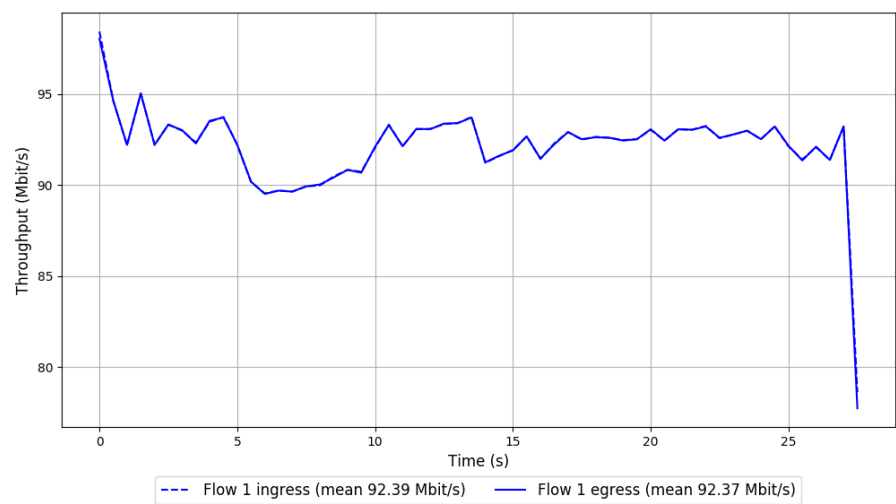
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 95.20 Mbit/s) — Flow 1 egress (mean 95.18 Mbit/s)

Flow 1 (95th percentile 2.02 ms)

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

Start at: 2017-09-03 02:52:52
End at: 2017-09-03 02:53:22
Local clock offset: -3.899 ms
Remote clock offset: 0.904 ms


# Below is generated by plot.py at 2017-09-03 09:14:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 2.027 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 2.027 ms
Loss rate: 0.02%
```
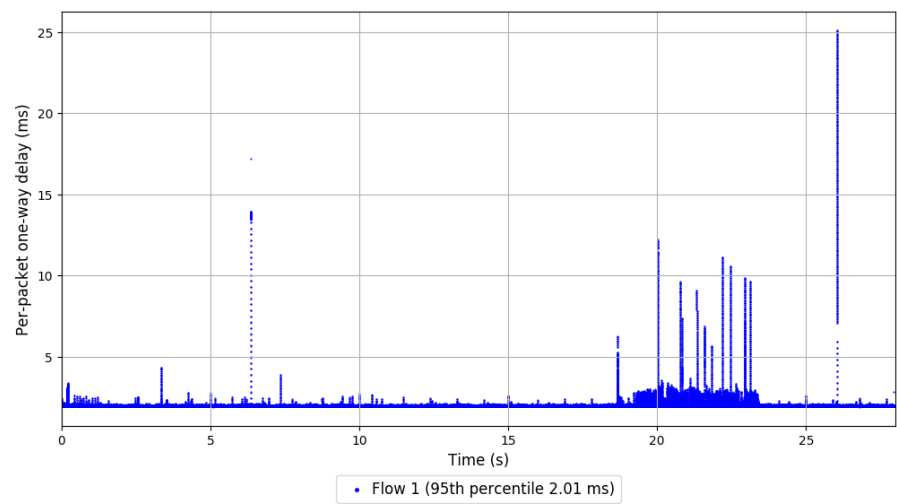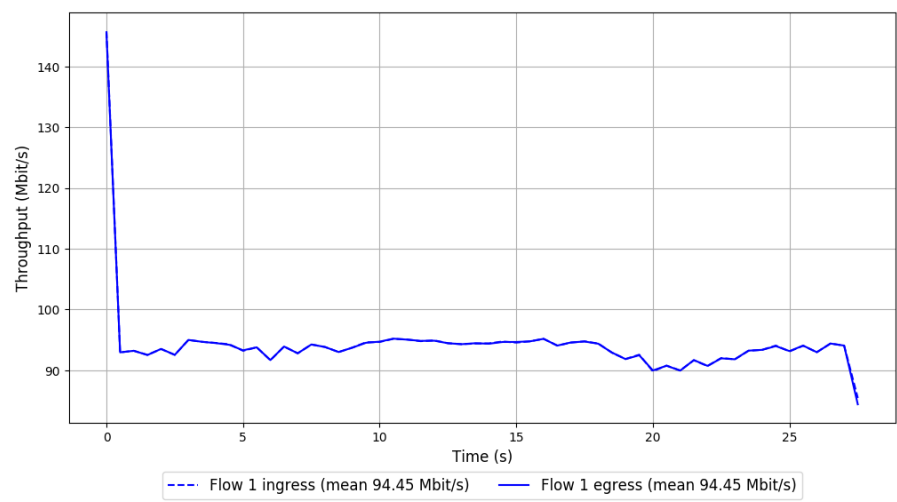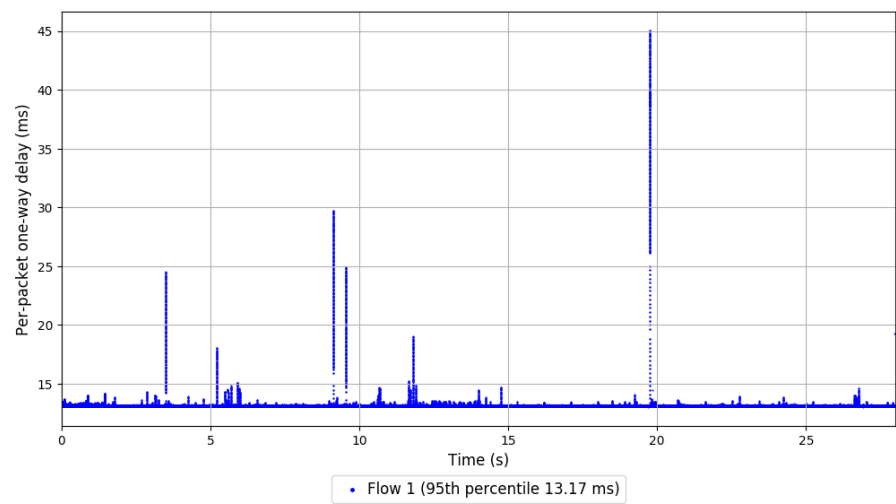
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 92.39 Mbit/s) --- Flow 1 egress (mean 92.37 Mbit/s)

Flow 1 (95th percentile 2.03 ms)

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

Start at: 2017-09-03 03:11:39
End at: 2017-09-03 03:12:09
Local clock offset: -3.891 ms
Remote clock offset: 0.778 ms


# Below is generated by plot.py at 2017-09-03 09:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 2.014 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 2.014 ms
Loss rate: 0.03%
```
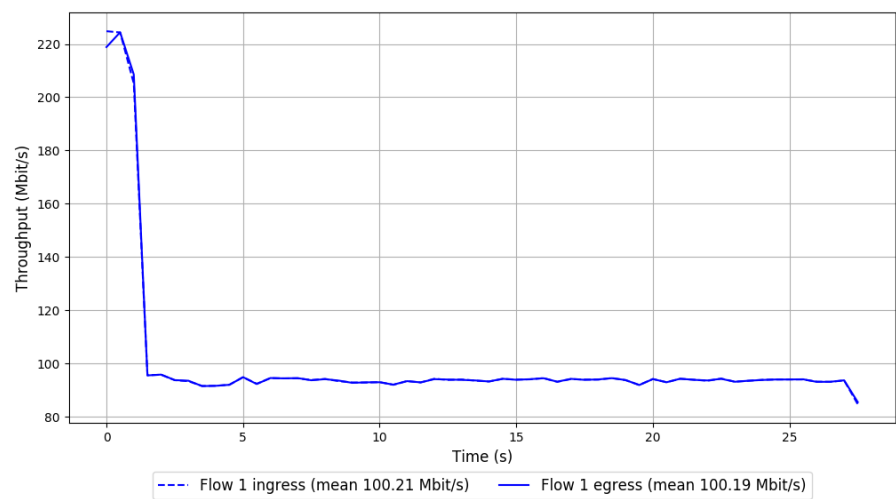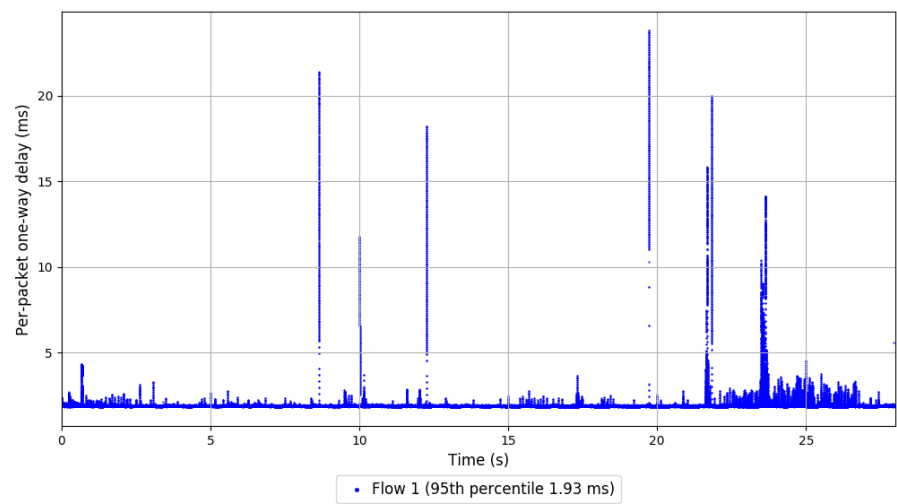
Run 8: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-03 03:30:27
End at: 2017-09-03 03:30:57
Local clock offset: -3.911 ms
Remote clock offset: -10.515 ms


# Below is generated by plot.py at 2017-09-03 09:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.19 Mbit/s
95th percentile per-packet one-way delay: 13.171 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 100.19 Mbit/s
95th percentile per-packet one-way delay: 13.171 ms
Loss rate: 0.03%
```
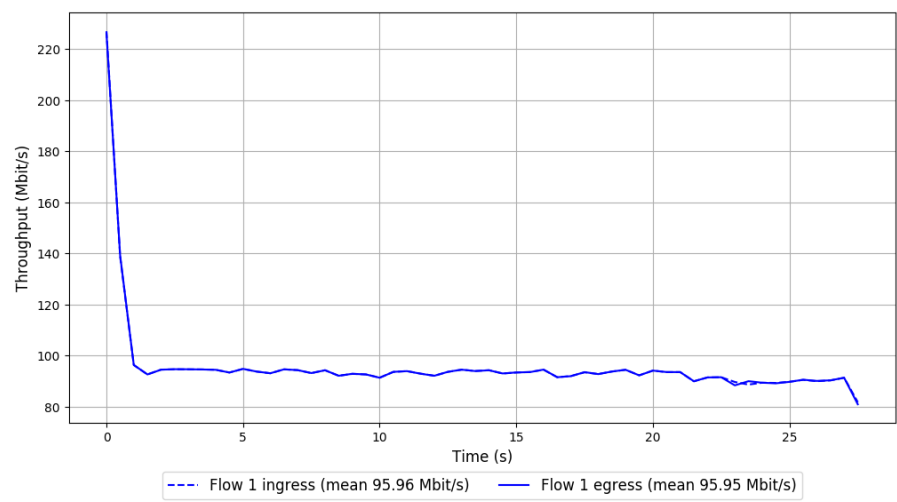
Run 9: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-03 03:49:36
End at: 2017-09-03 03:50:06
Local clock offset: -4.002 ms
Remote clock offset: 0.402 ms


# Below is generated by plot.py at 2017-09-03 09:15:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 1.933 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 1.933 ms
Loss rate: 0.02%
```
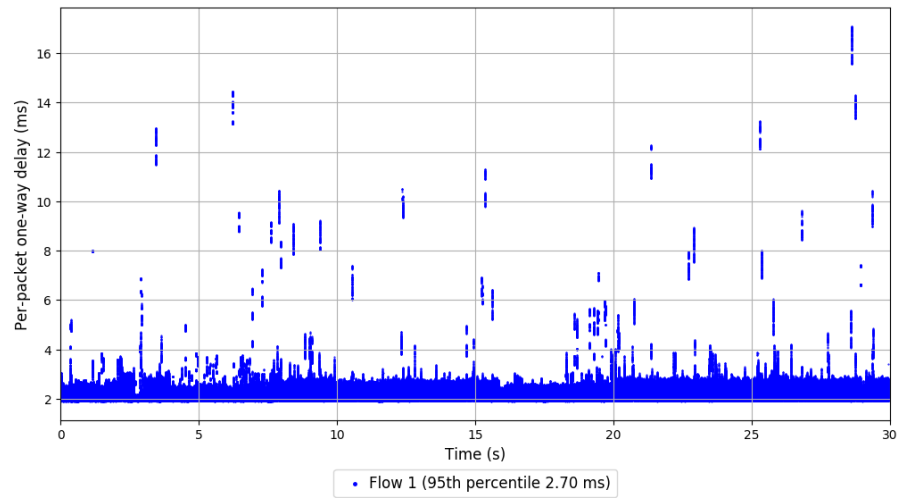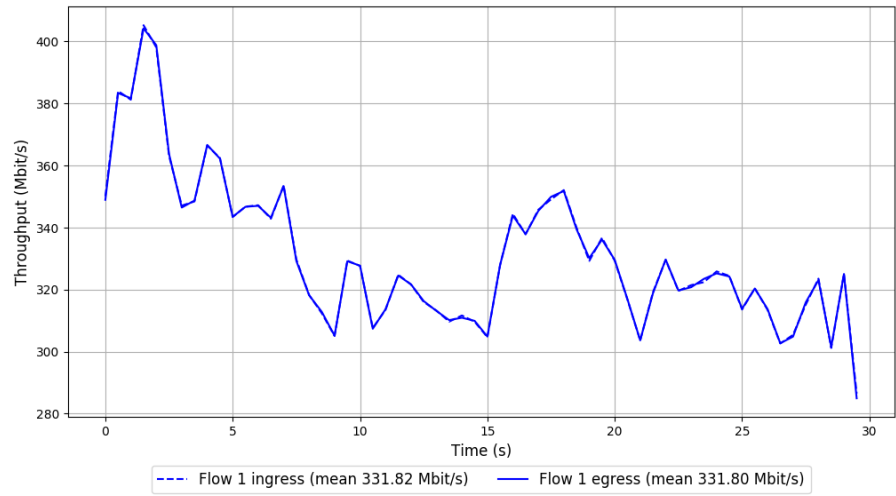
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 95.96 Mbit/s)   Flow 1 egress (mean 95.95 Mbit/s)

Flow 1 (95th percentile 1.93 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2017-09-03 00:54:57
End at: 2017-09-03 00:55:27
Local clock offset: -2.235 ms
Remote clock offset: 0.108 ms


# Below is generated by plot.py at 2017-09-03 09:15:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 331.80 Mbit/s
95th percentile per-packet one-way delay: 2.703 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 331.80 Mbit/s
95th percentile per-packet one-way delay: 2.703 ms
Loss rate: 0.01%
```
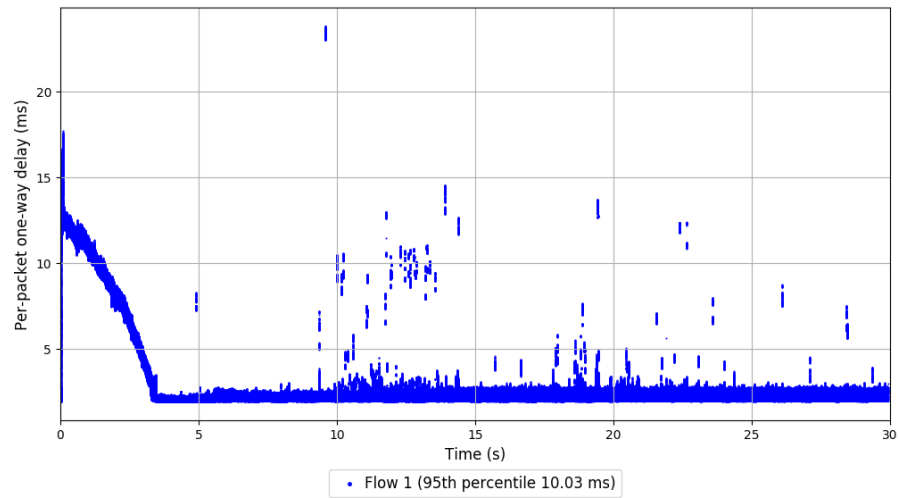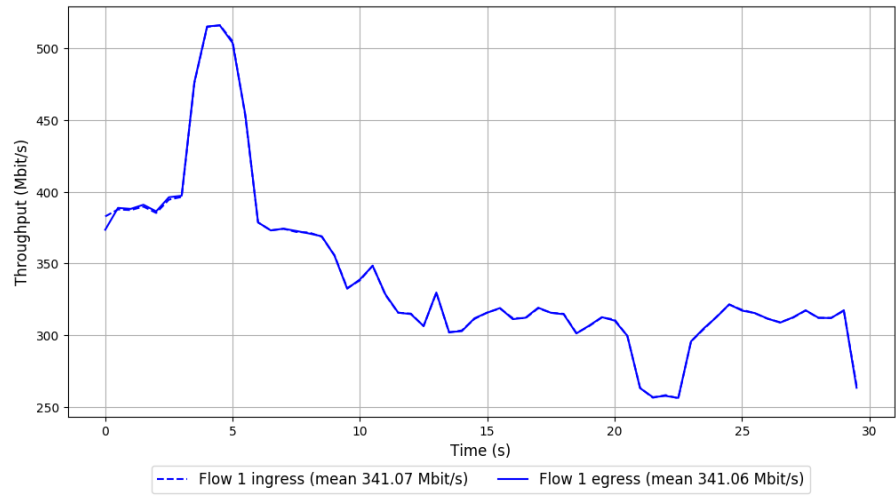
Run 1: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 331.82 Mbit/s) —— Flow 1 egress (mean 331.80 Mbit/s)

• Flow 1 (95th percentile 2.70 ms)

```
Run 2: Statistics of TCP Vegas

Start at: 2017-09-03 01:13:50
End at: 2017-09-03 01:14:20
Local clock offset: -2.289 ms
Remote clock offset: 0.305 ms


# Below is generated by plot.py at 2017-09-03 09:15:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 341.06 Mbit/s
95th percentile per-packet one-way delay: 10.032 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 341.06 Mbit/s
95th percentile per-packet one-way delay: 10.032 ms
Loss rate: 0.01%
```
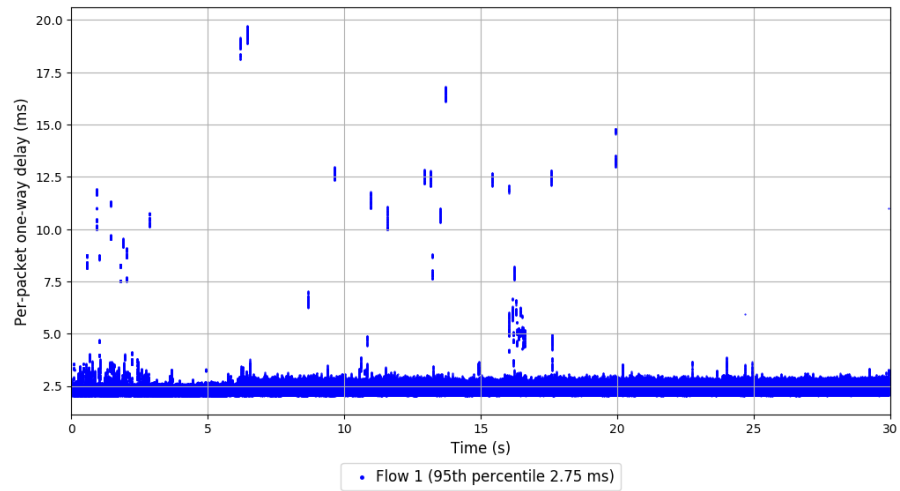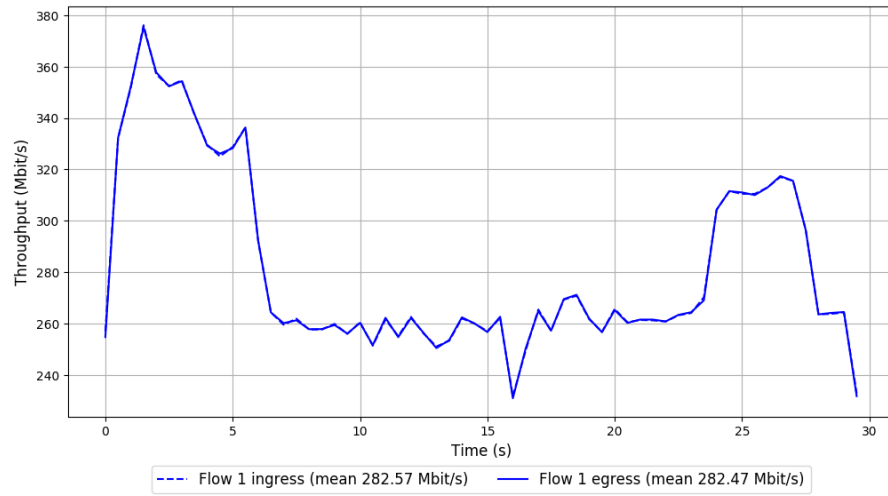
Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 341.07 Mbit/s) — — — Flow 1 egress (mean 341.06 Mbit/s)

Flow 1 (95th percentile 10.03 ms)

Run 3: Statistics of TCP Vegas

Start at: 2017-09-03 01:33:02
End at: 2017-09-03 01:33:32
Local clock offset: -2.814 ms
Remote clock offset: 0.53 ms

Below is generated by plot.py at 2017-09-03 09:16:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.47 Mbit/s
95th percentile per-packet one-way delay: 2.752 ms
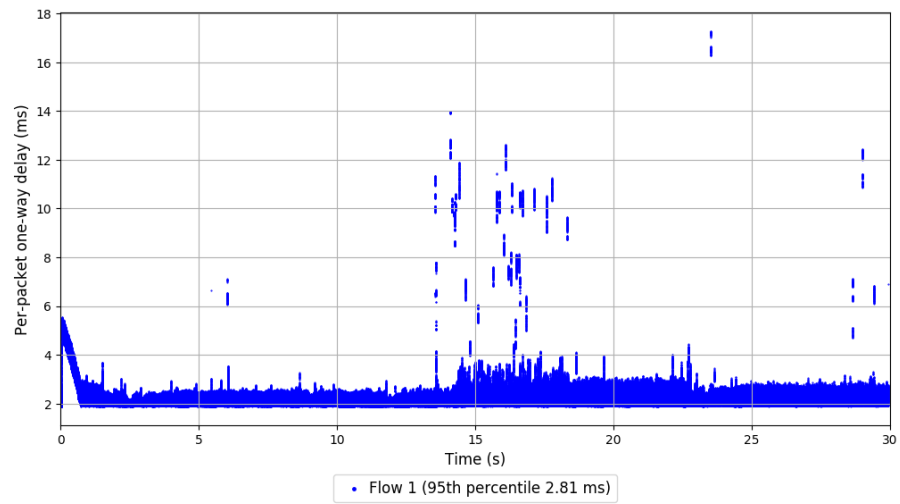Loss rate: 0.01%
-- Flow 1:
Average throughput: 282.47 Mbit/s
95th percentile per-packet one-way delay: 2.752 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2017-09-03 01:51:46
End at: 2017-09-03 01:52:16
Local clock offset: -3.325 ms
Remote clock offset: 0.845 ms


# Below is generated by plot.py at 2017-09-03 09:16:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.86 Mbit/s
95th percentile per-packet one-way delay: 2.811 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 309.86 Mbit/s
95th percentile per-packet one-way delay: 2.811 ms
Loss rate: 0.01%
```
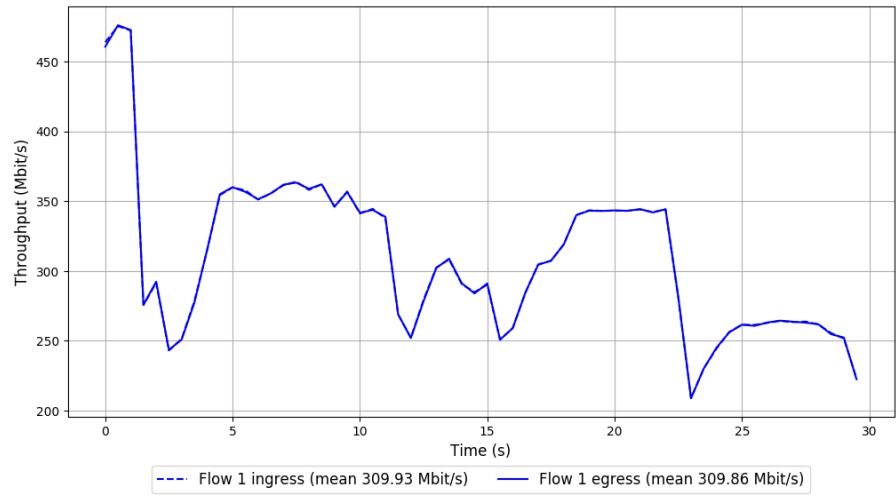
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2017-09-03 02:10:56
End at: 2017-09-03 02:11:26
Local clock offset: -3.566 ms
Remote clock offset: 0.875 ms


# Below is generated by plot.py at 2017-09-03 09:17:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 394.38 Mbit/s
95th percentile per-packet one-way delay: 2.784 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 394.38 Mbit/s
95th percentile per-packet one-way delay: 2.784 ms
Loss rate: 0.01%
```
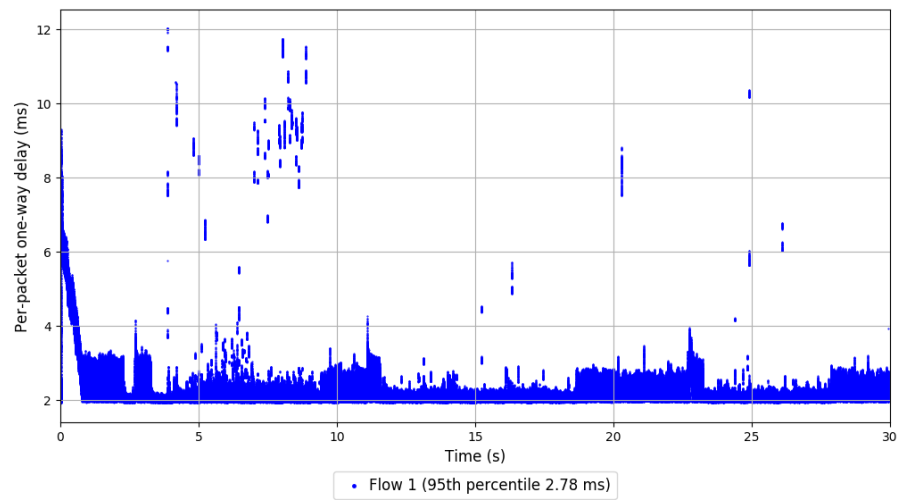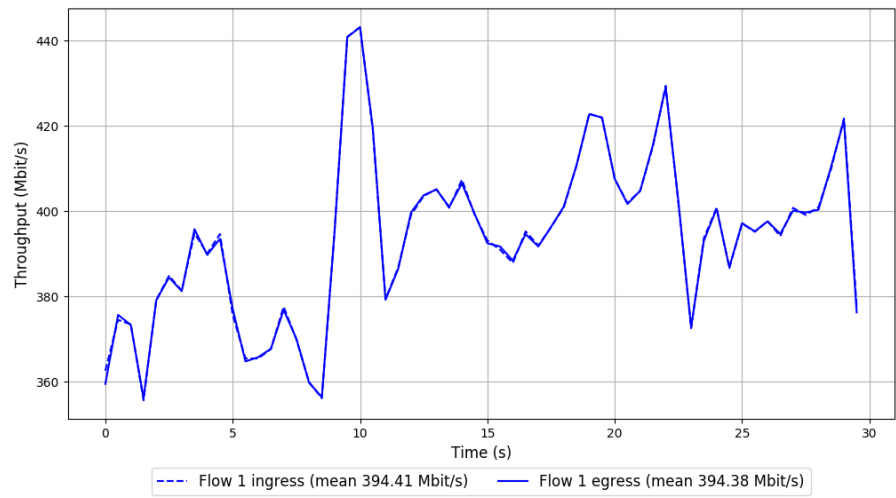
Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: 2017-09-03 02:29:58
End at: 2017-09-03 02:30:28
Local clock offset: -3.813 ms
Remote clock offset: 0.881 ms


# Below is generated by plot.py at 2017-09-03 09:17:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.90 Mbit/s
95th percentile per-packet one-way delay: 2.814 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 388.90 Mbit/s
95th percentile per-packet one-way delay: 2.814 ms
Loss rate: 0.01%
```
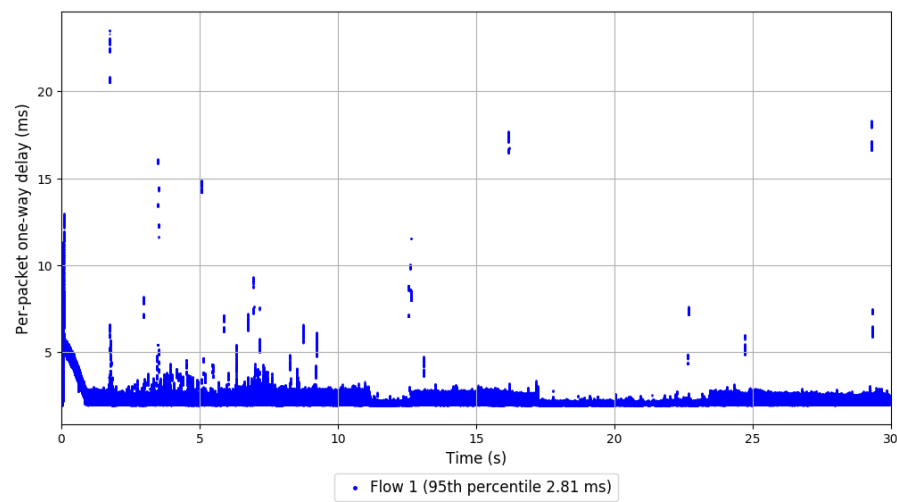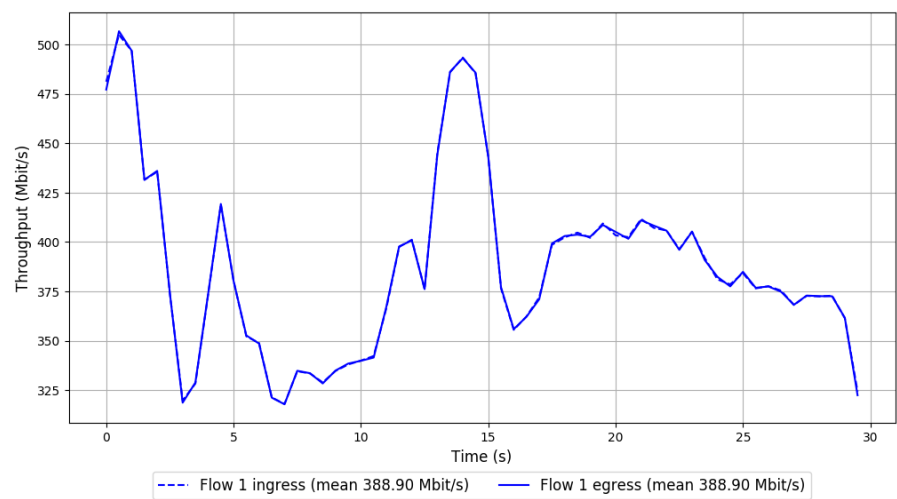
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2017-09-03 02:48:47
End at: 2017-09-03 02:49:17
Local clock offset: -3.999 ms
Remote clock offset: 0.917 ms


# Below is generated by plot.py at 2017-09-03 09:18:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 443.25 Mbit/s
95th percentile per-packet one-way delay: 11.208 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 443.25 Mbit/s
95th percentile per-packet one-way delay: 11.208 ms
Loss rate: 0.01%
```
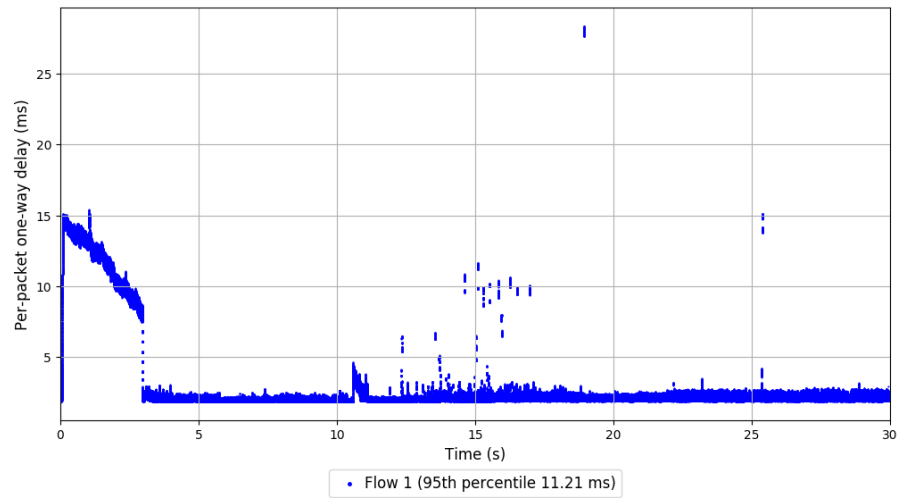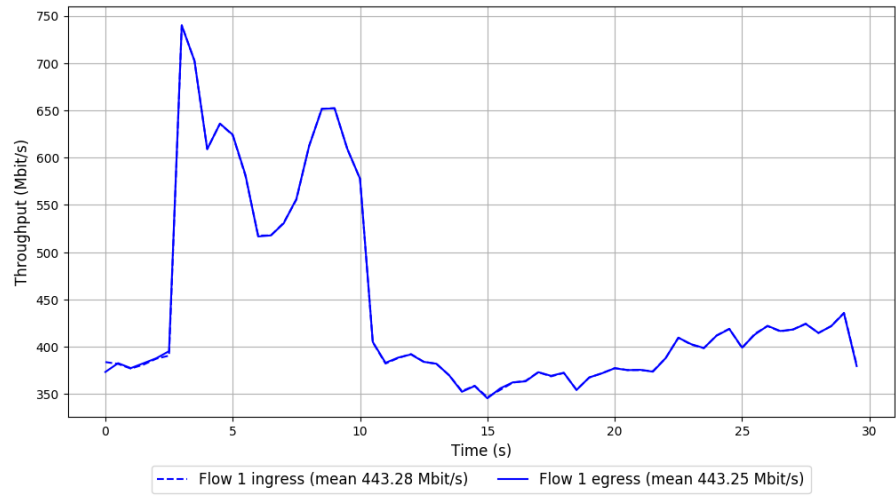
Run 7: Report of TCP Vegas — Data Link

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```
Run 8: Statistics of TCP Vegas

Start at: 2017-09-03 03:07:43
End at: 2017-09-03 03:08:13
Local clock offset: -3.968 ms
Remote clock offset: 0.83 ms


# Below is generated by plot.py at 2017-09-03 09:18:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 375.73 Mbit/s
95th percentile per-packet one-way delay: 2.597 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 375.73 Mbit/s
95th percentile per-packet one-way delay: 2.597 ms
Loss rate: 0.01%
```
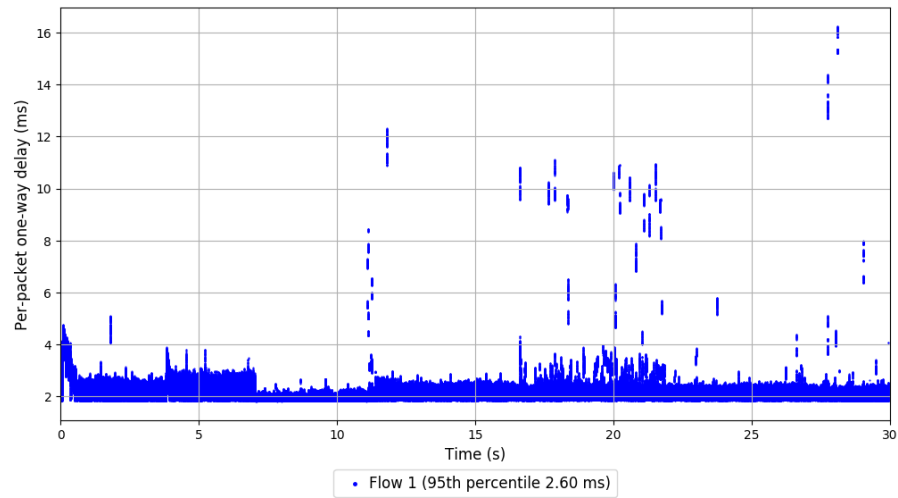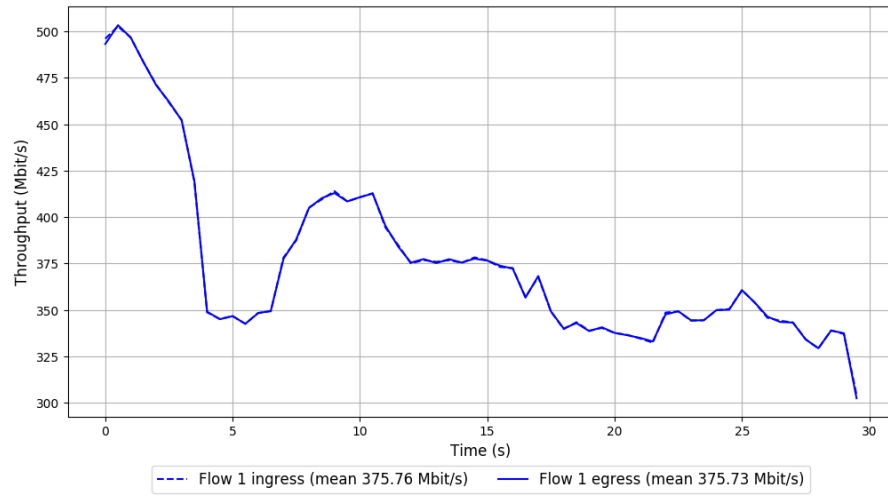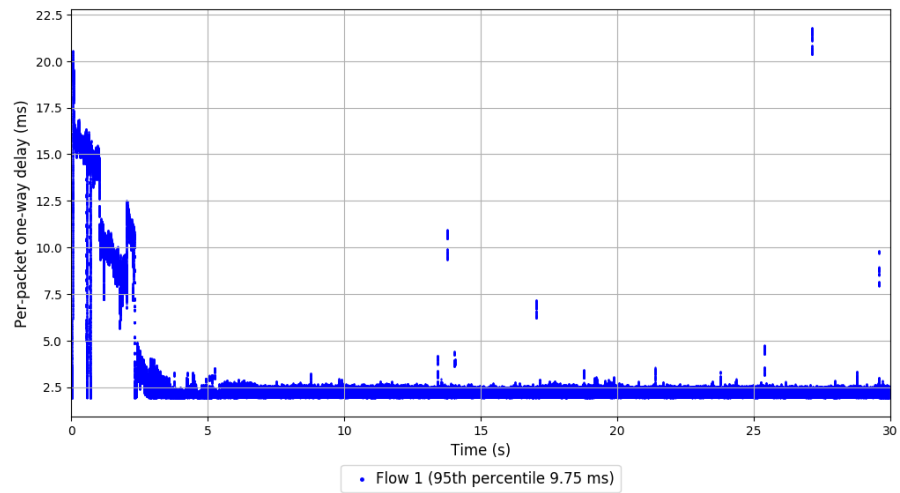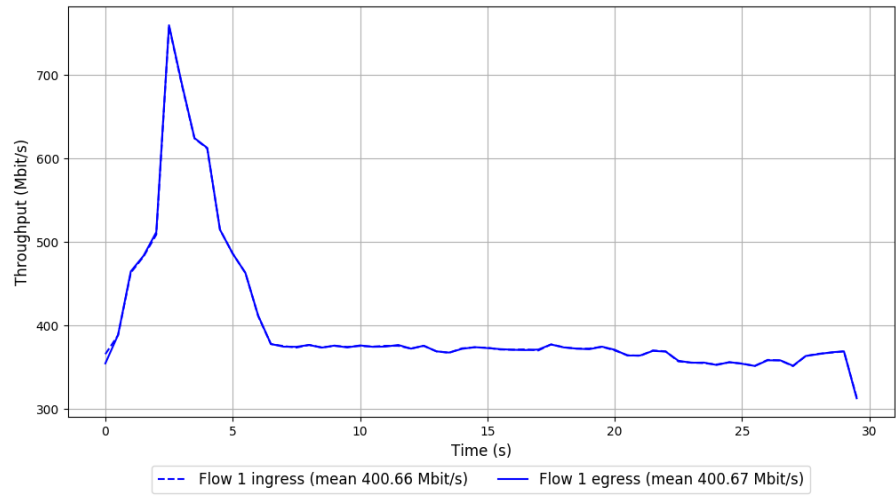
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 375.76 Mbit/s) —— Flow 1 egress (mean 375.73 Mbit/s)

• Flow 1 (95th percentile 2.60 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2017-09-03 03:26:27
End at: 2017-09-03 03:26:57
Local clock offset: -3.869 ms
Remote clock offset: 0.698 ms


# Below is generated by plot.py at 2017-09-03 09:18:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 400.67 Mbit/s
95th percentile per-packet one-way delay: 9.751 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 400.67 Mbit/s
95th percentile per-packet one-way delay: 9.751 ms
Loss rate: 0.01%
```

Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2017-09-03 03:45:39
End at: 2017-09-03 03:46:09
Local clock offset: -3.895 ms
Remote clock offset: 0.444 ms


# Below is generated by plot.py at 2017-09-03 09:18:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 315.45 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 315.45 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.02%
```
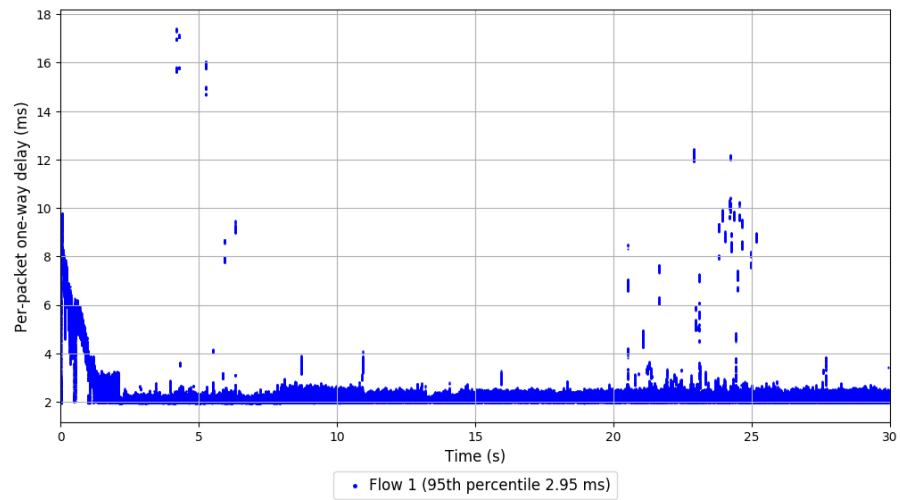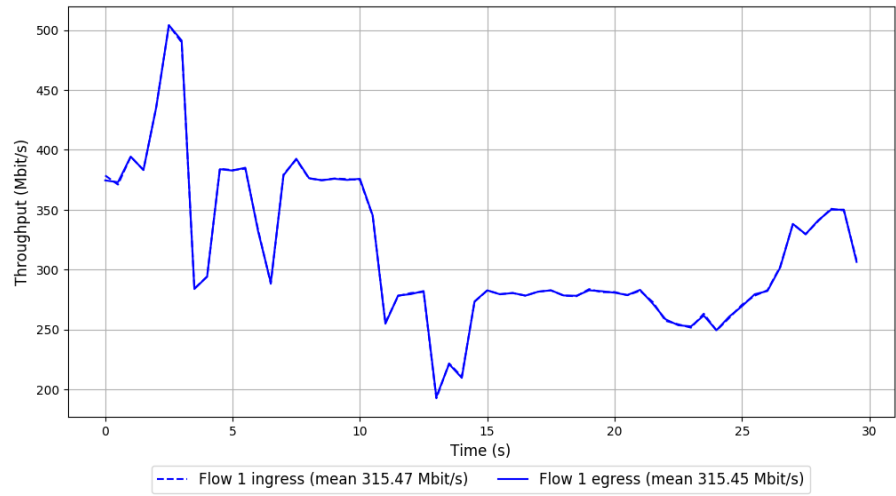
Run 10: Report of TCP Vegas — Data Link

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```
Run 1: Statistics of Verus

Start at: 2017-09-03 01:02:29
End at: 2017-09-03 01:02:59
Local clock offset: -2.206 ms
Remote clock offset: 0.156 ms


# Below is generated by plot.py at 2017-09-03 09:19:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.63 Mbit/s
95th percentile per-packet one-way delay: 19.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.63 Mbit/s
95th percentile per-packet one-way delay: 19.228 ms
Loss rate: 0.00%
```
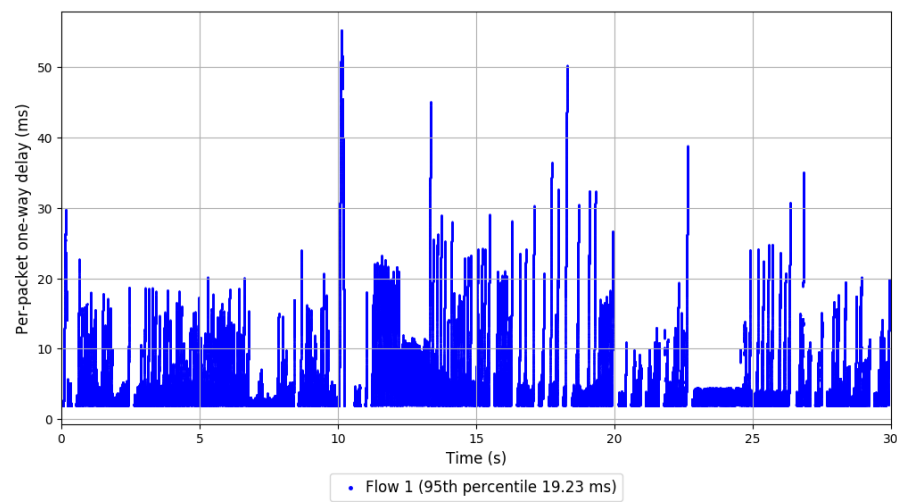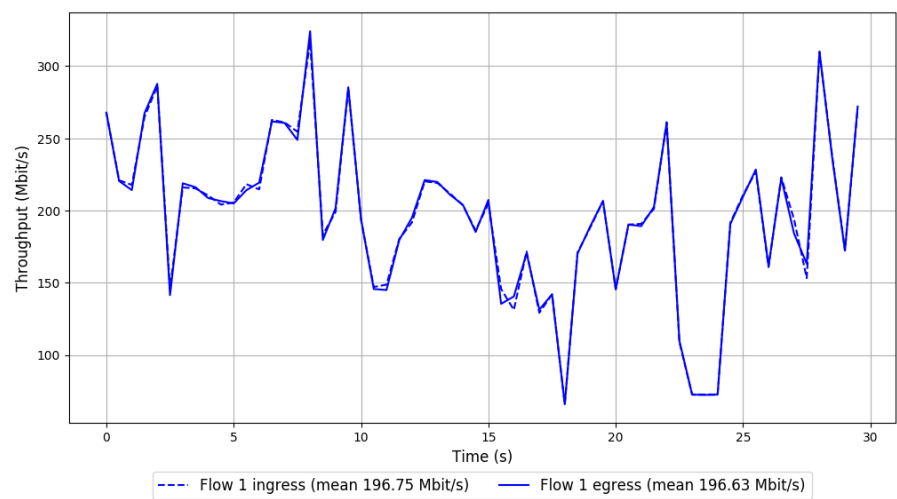
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2017-09-03 01:21:30
End at: 2017-09-03 01:22:00
Local clock offset: -2.473 ms
Remote clock offset: 0.44 ms


# Below is generated by plot.py at 2017-09-03 09:19:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 258.39 Mbit/s
95th percentile per-packet one-way delay: 5.136 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 258.39 Mbit/s
95th percentile per-packet one-way delay: 5.136 ms
Loss rate: 0.06%
```
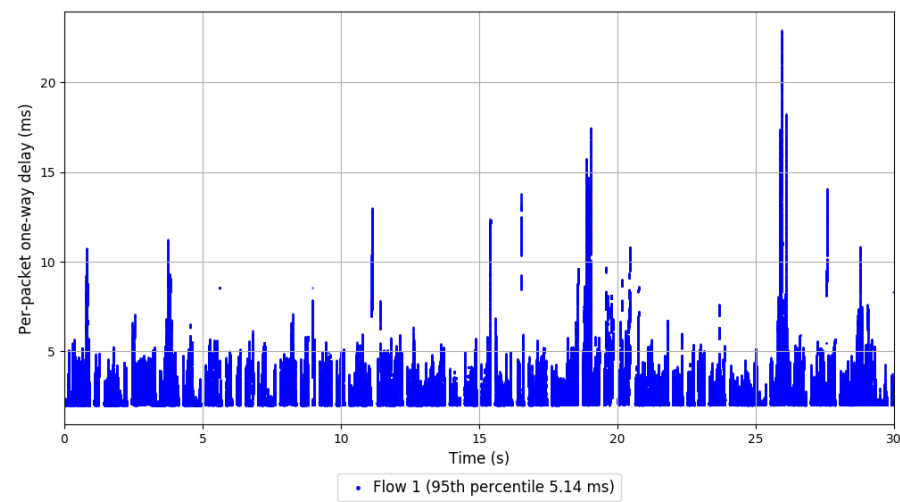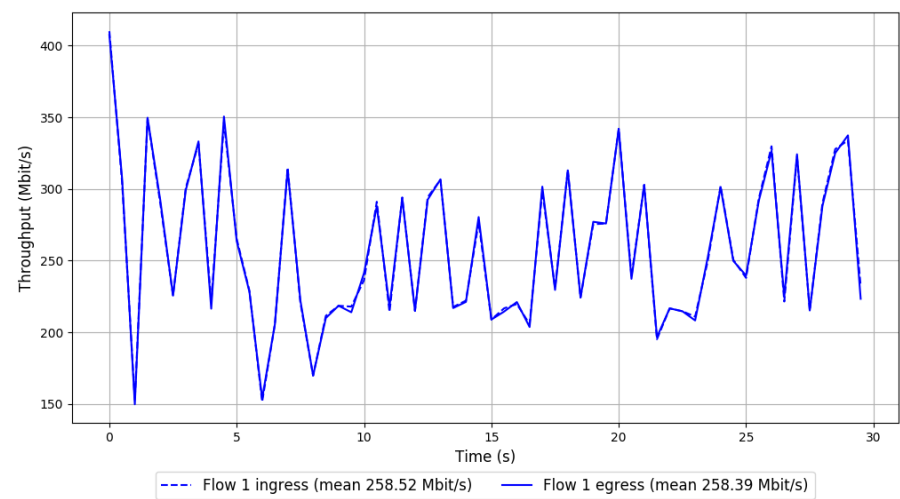
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2017-09-03 01:40:33
End at: 2017-09-03 01:41:03
Local clock offset: -3.004 ms
Remote clock offset: 0.694 ms


# Below is generated by plot.py at 2017-09-03 09:19:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.25 Mbit/s
95th percentile per-packet one-way delay: 22.361 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 266.25 Mbit/s
95th percentile per-packet one-way delay: 22.361 ms
Loss rate: 0.06%
```
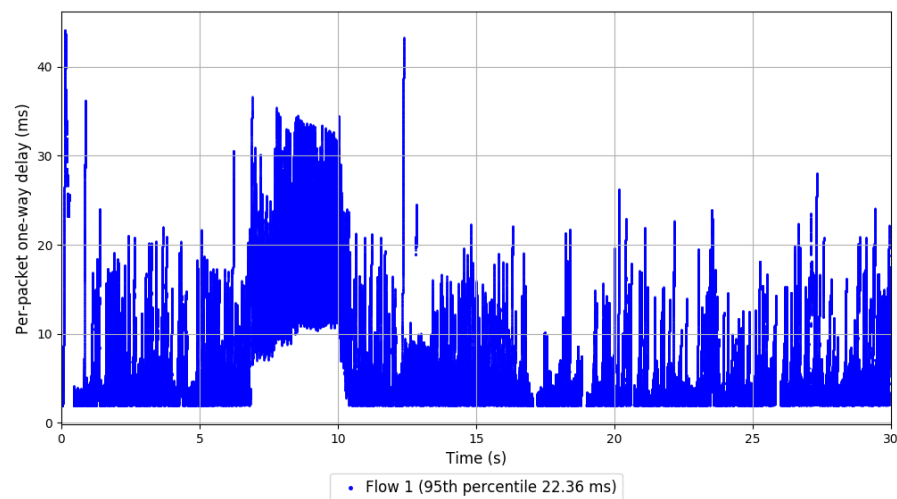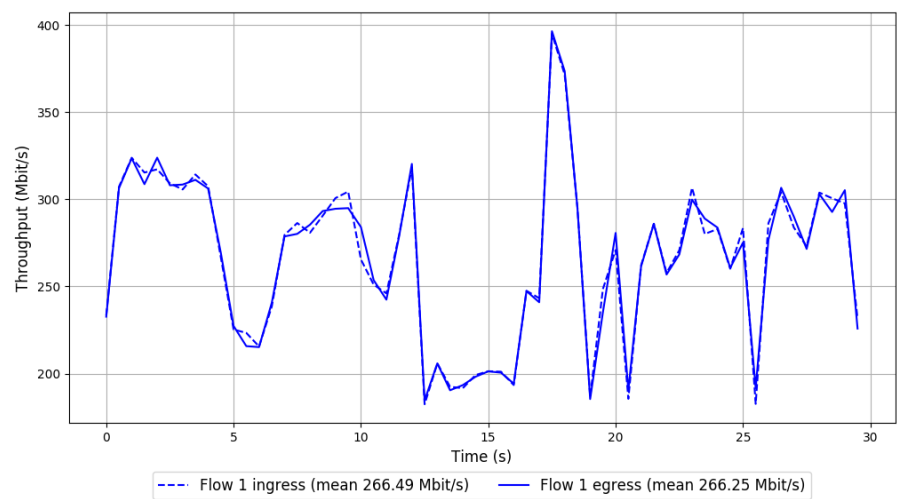
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2017-09-03 01:59:24
End at: 2017-09-03 01:59:54
Local clock offset: -3.405 ms
Remote clock offset: 0.816 ms


# Below is generated by plot.py at 2017-09-03 09:19:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.98 Mbit/s
95th percentile per-packet one-way delay: 17.069 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 233.98 Mbit/s
95th percentile per-packet one-way delay: 17.069 ms
Loss rate: 0.40%
```
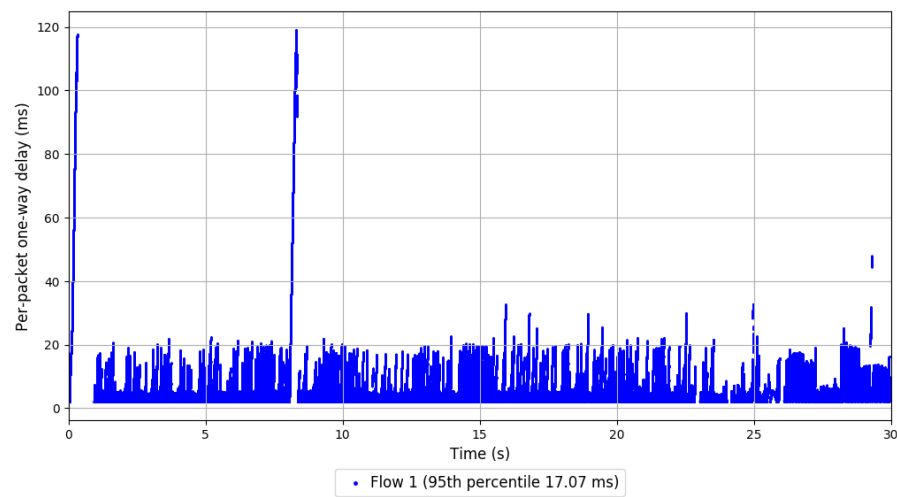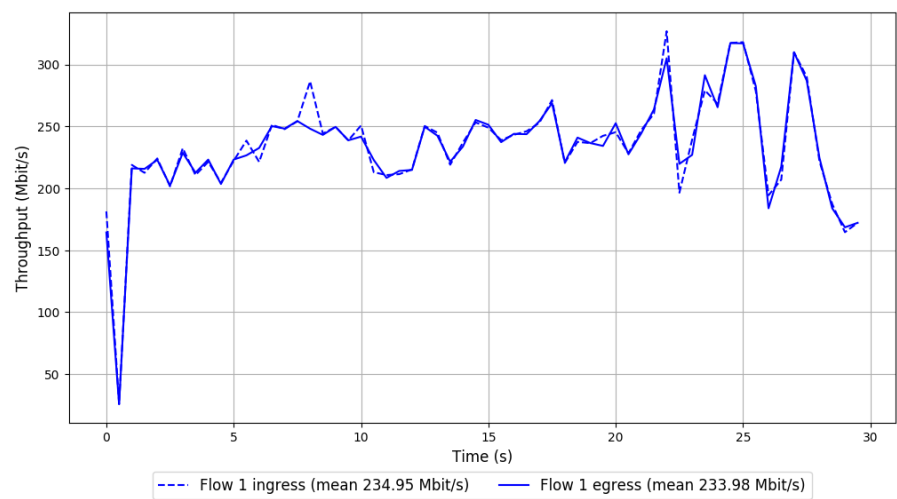
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-09-03 02:18:35
End at: 2017-09-03 02:19:05
Local clock offset: -3.645 ms
Remote clock offset: 0.815 ms

# Below is generated by plot.py at 2017-09-03 09:20:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.78 Mbit/s
95th percentile per-packet one-way delay: 16.546 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 237.78 Mbit/s
95th percentile per-packet one-way delay: 16.546 ms
Loss rate: 0.44%
```
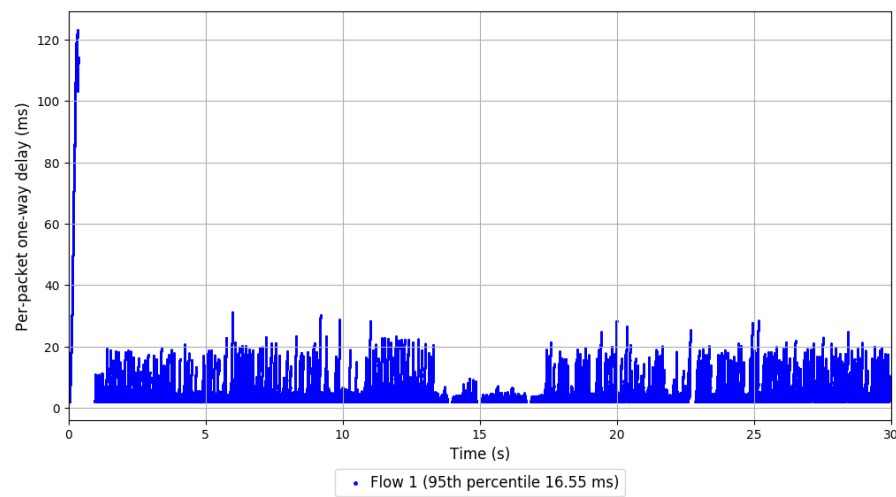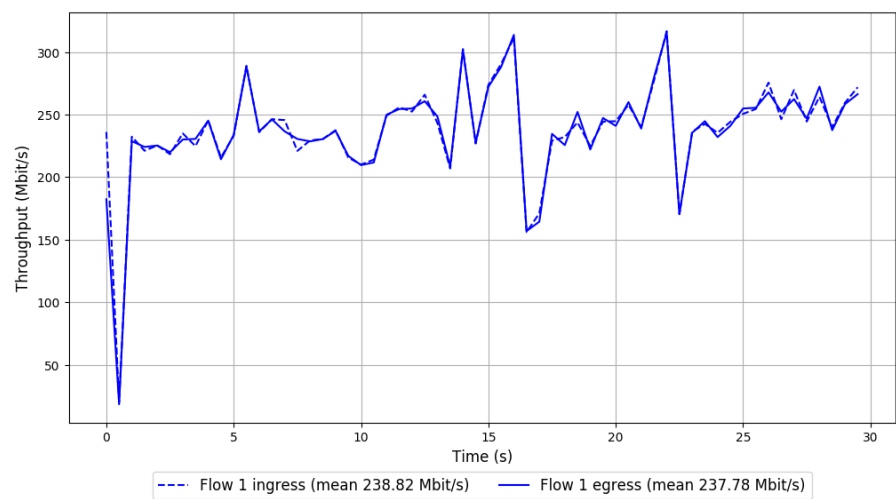
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2017-09-03 02:37:36
End at: 2017-09-03 02:38:06
Local clock offset: -3.939 ms
Remote clock offset: 0.89 ms


# Below is generated by plot.py at 2017-09-03 09:20:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.23 Mbit/s
95th percentile per-packet one-way delay: 18.473 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 212.23 Mbit/s
95th percentile per-packet one-way delay: 18.473 ms
Loss rate: 0.01%
```
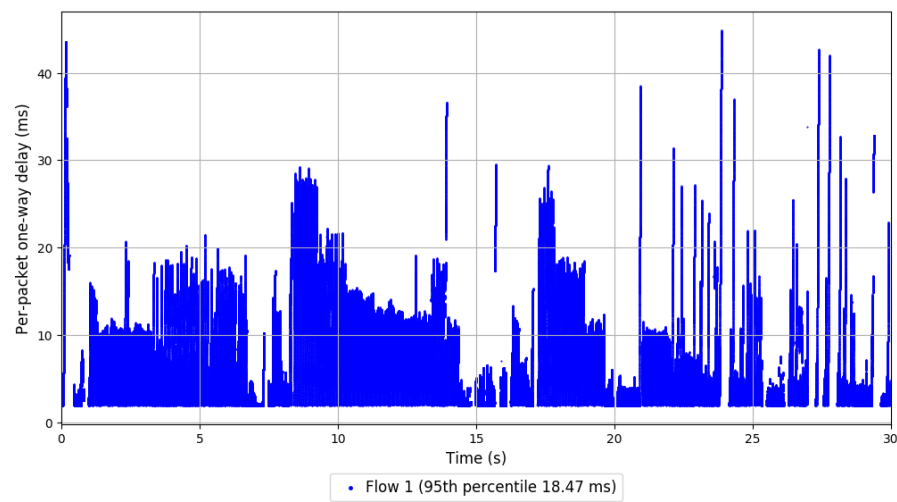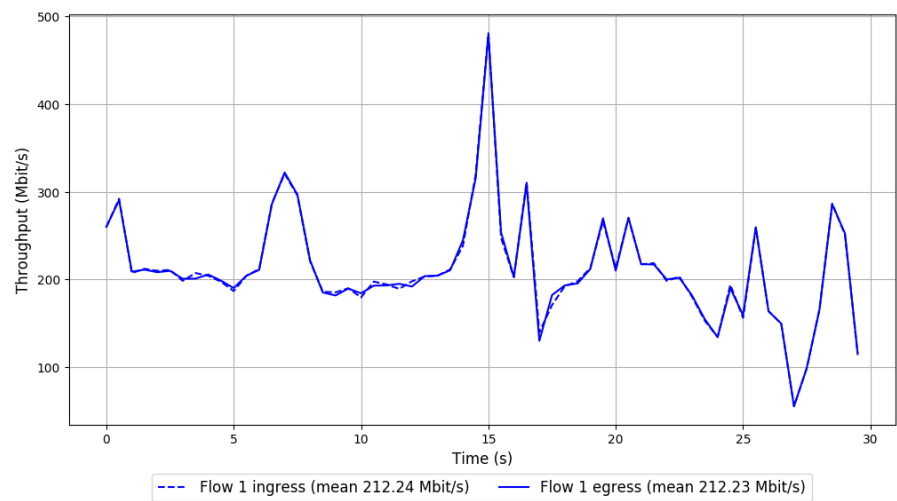
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2017-09-03 02:56:29
End at: 2017-09-03 02:56:59
Local clock offset: -3.969 ms
Remote clock offset: 0.881 ms


# Below is generated by plot.py at 2017-09-03 09:20:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.65 Mbit/s
95th percentile per-packet one-way delay: 16.761 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 241.65 Mbit/s
95th percentile per-packet one-way delay: 16.761 ms
Loss rate: 0.31%
```
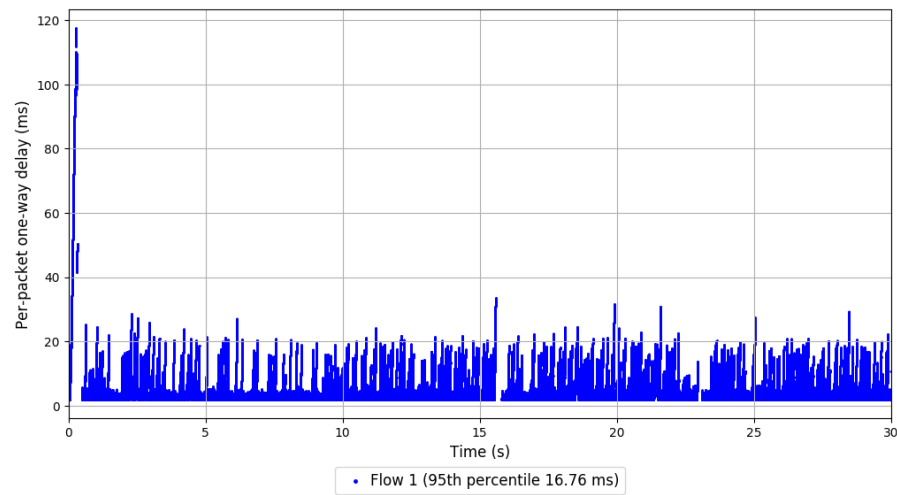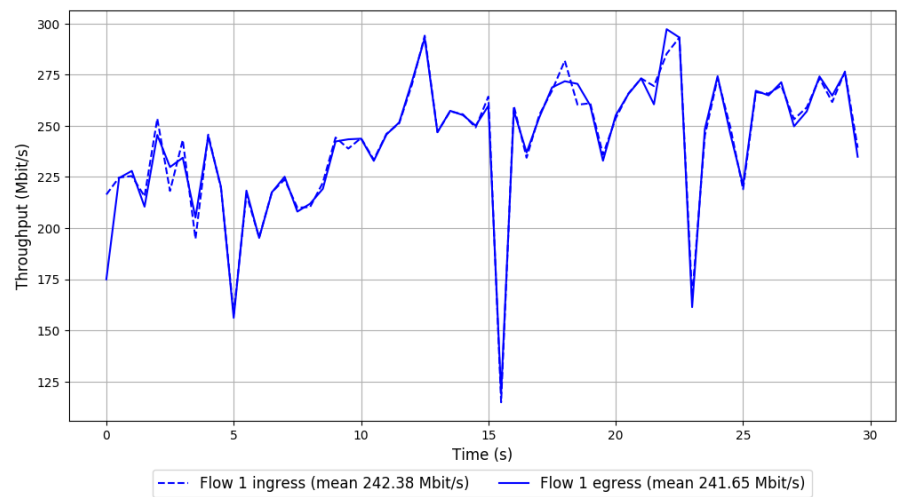
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-09-03 03:15:20
End at: 2017-09-03 03:15:50
Local clock offset: -4.008 ms
Remote clock offset: 0.704 ms


# Below is generated by plot.py at 2017-09-03 09:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.74 Mbit/s
95th percentile per-packet one-way delay: 16.777 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 205.74 Mbit/s
95th percentile per-packet one-way delay: 16.777 ms
Loss rate: 0.01%
```
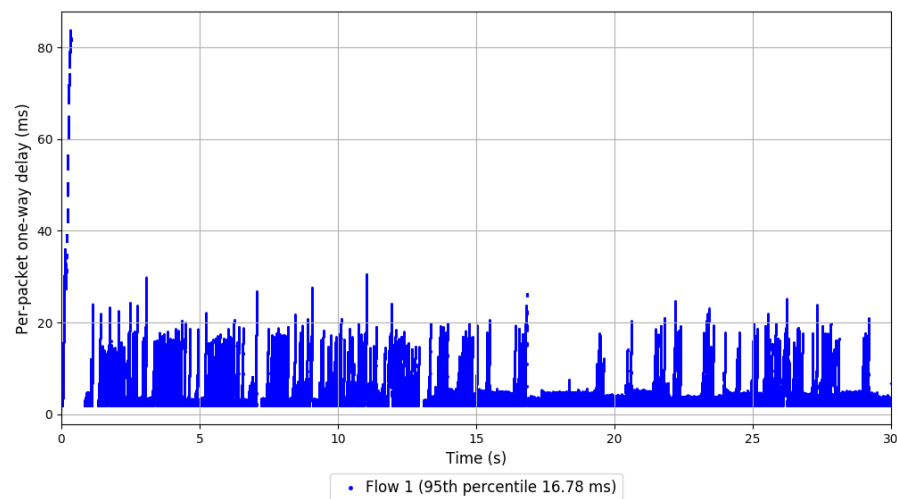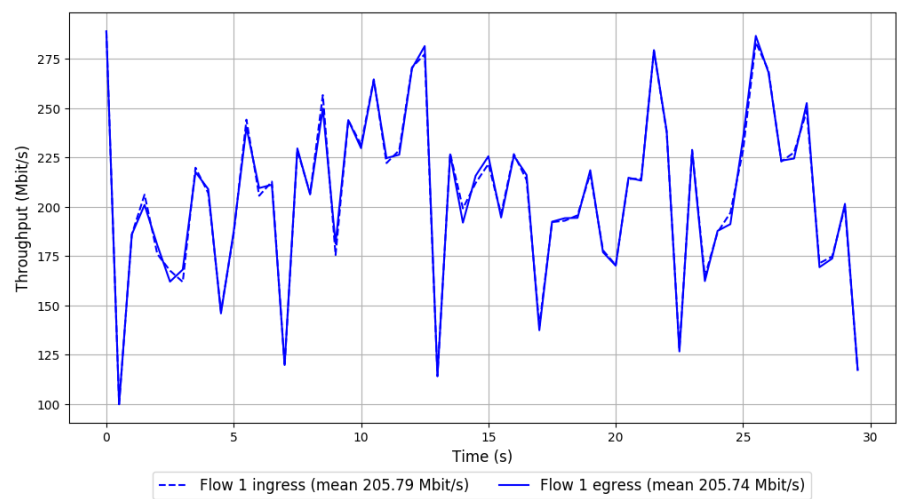
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2017-09-03 03:34:06
End at: 2017-09-03 03:34:36
Local clock offset: -3.965 ms
Remote clock offset: 0.548 ms


# Below is generated by plot.py at 2017-09-03 09:21:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.09 Mbit/s
95th percentile per-packet one-way delay: 21.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.09 Mbit/s
95th percentile per-packet one-way delay: 21.844 ms
Loss rate: 0.00%
```
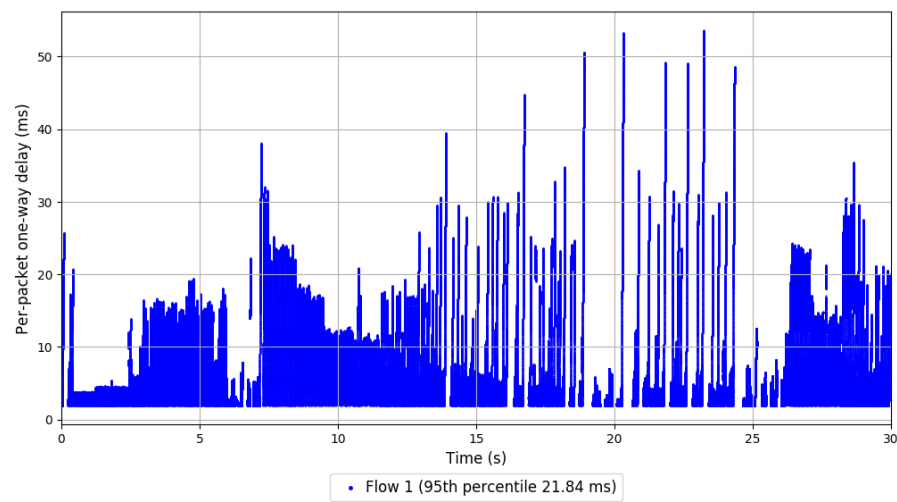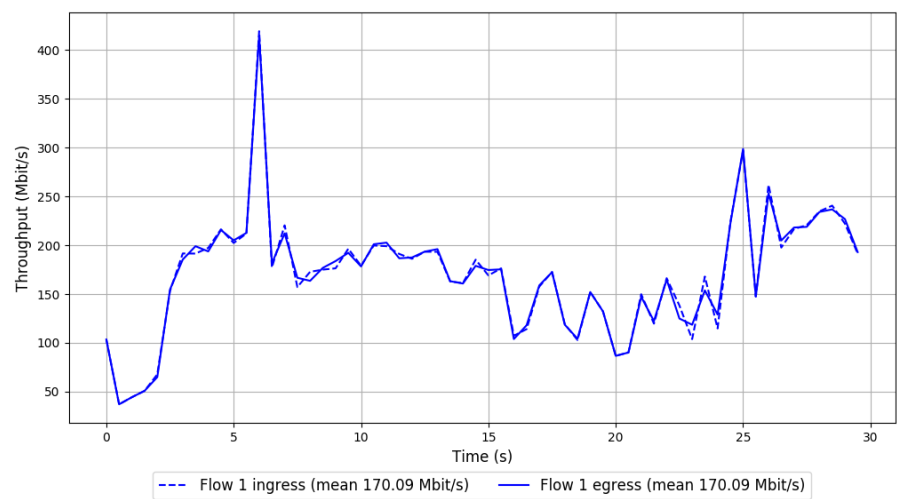
Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2017-09-03 03:53:18
End at: 2017-09-03 03:53:48
Local clock offset: -3.886 ms
Remote clock offset: 0.311 ms

# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.86 Mbit/s
95th percentile per-packet one-way delay: 14.786 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 252.86 Mbit/s
95th percentile per-packet one-way delay: 14.786 ms
Loss rate: 0.06%
```
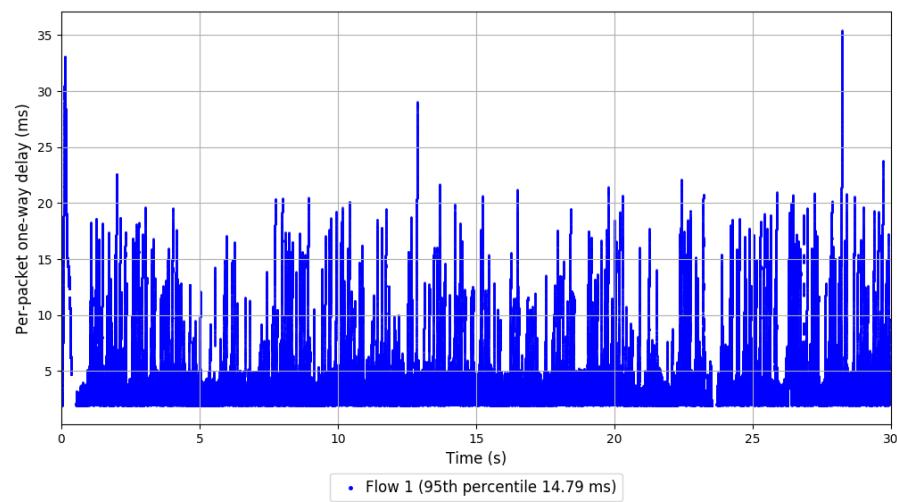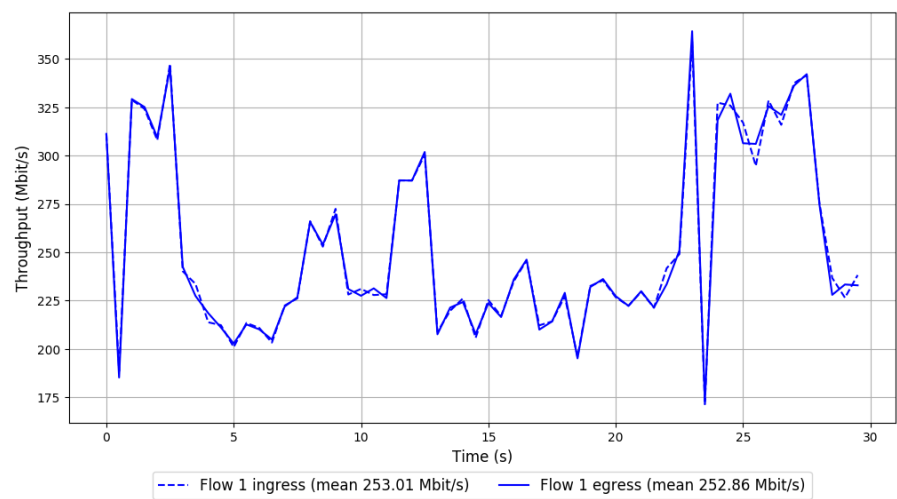
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2017-09-03 01:07:33
End at: 2017-09-03 01:08:03
Local clock offset: -2.212 ms
Remote clock offset: 0.215 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.00%
```
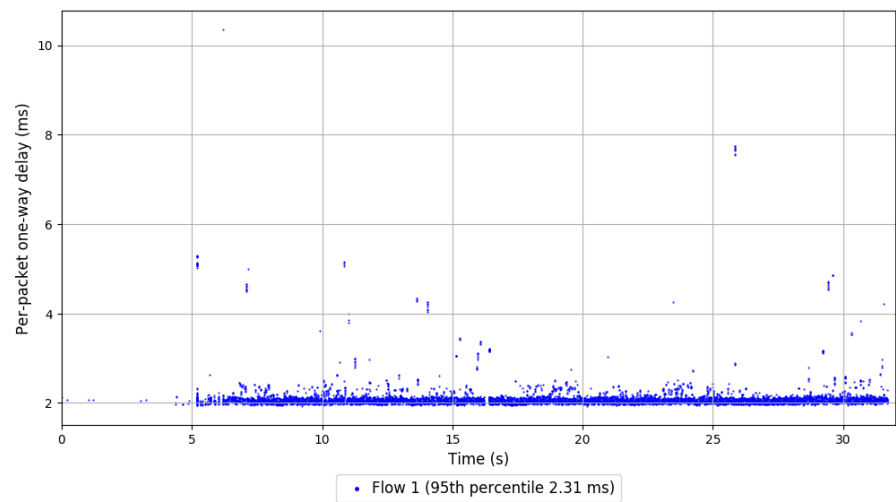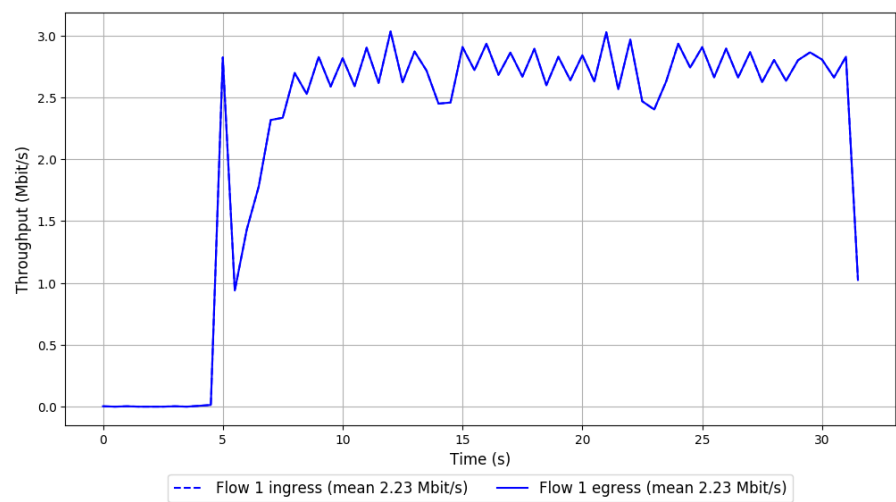
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2017-09-03 01:26:40
End at: 2017-09-03 01:27:10
Local clock offset: -2.635 ms
Remote clock offset: 0.436 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.00%
```
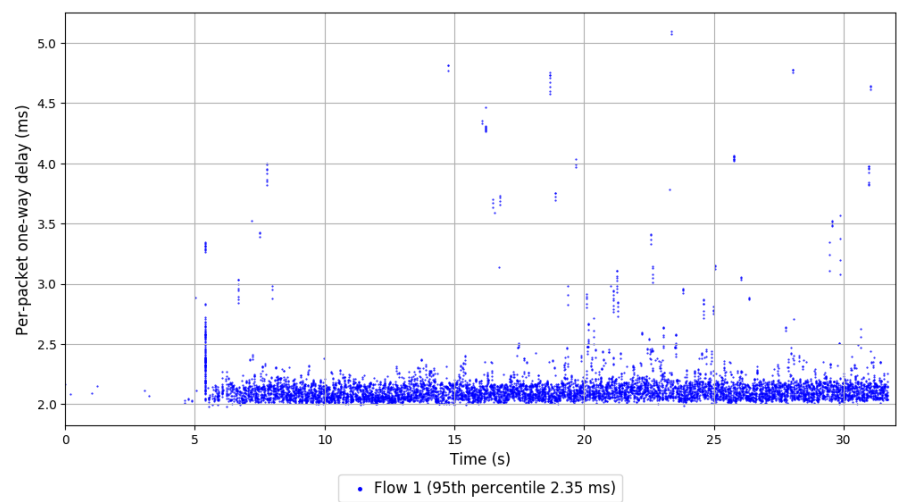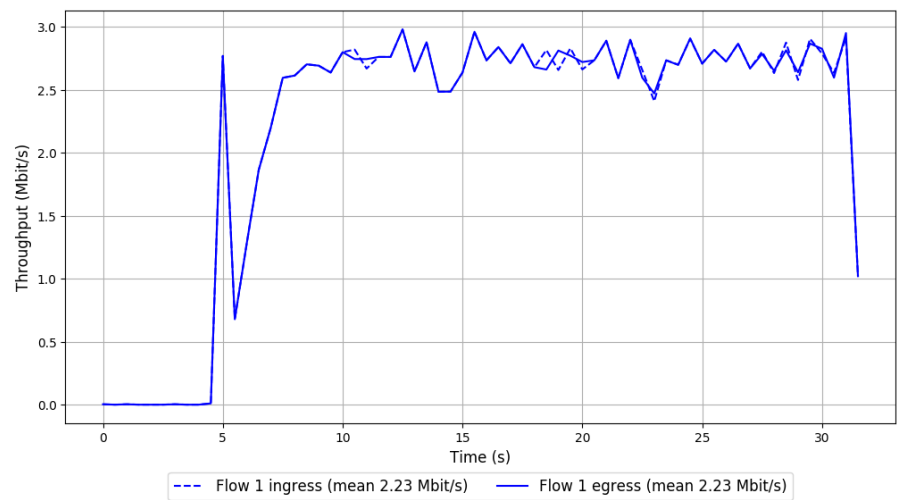
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-09-03 01:45:28
End at: 2017-09-03 01:45:58
Local clock offset: -3.139 ms
Remote clock offset: 0.698 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 2.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 2.342 ms
Loss rate: 0.00%
```
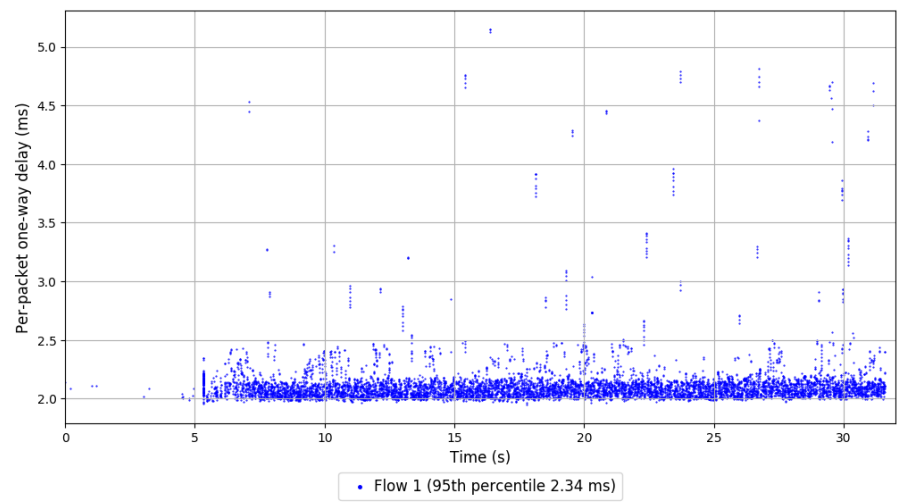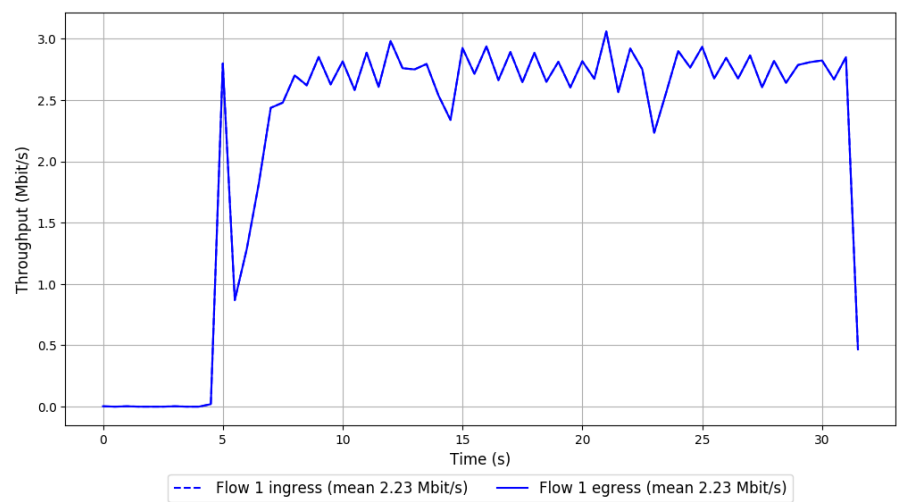
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2017-09-03 02:04:38
End at: 2017-09-03 02:05:08
Local clock offset: -3.543 ms
Remote clock offset: 0.873 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.270 ms
Loss rate: 0.00%
```
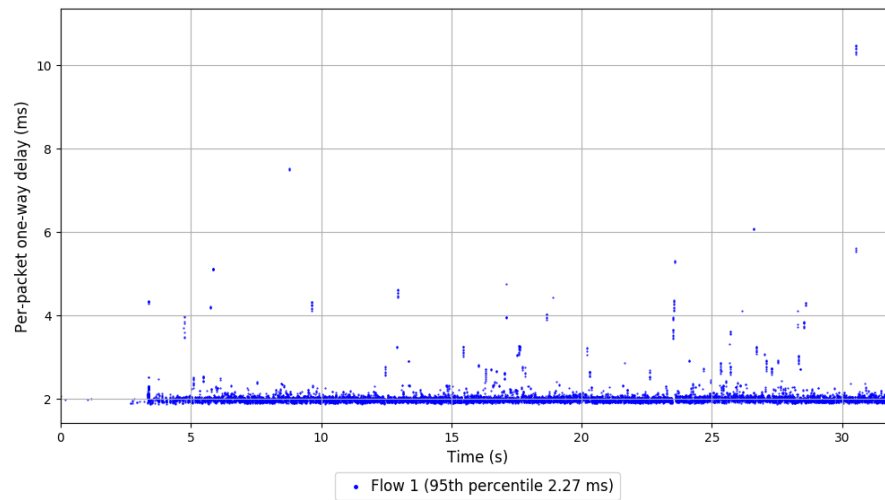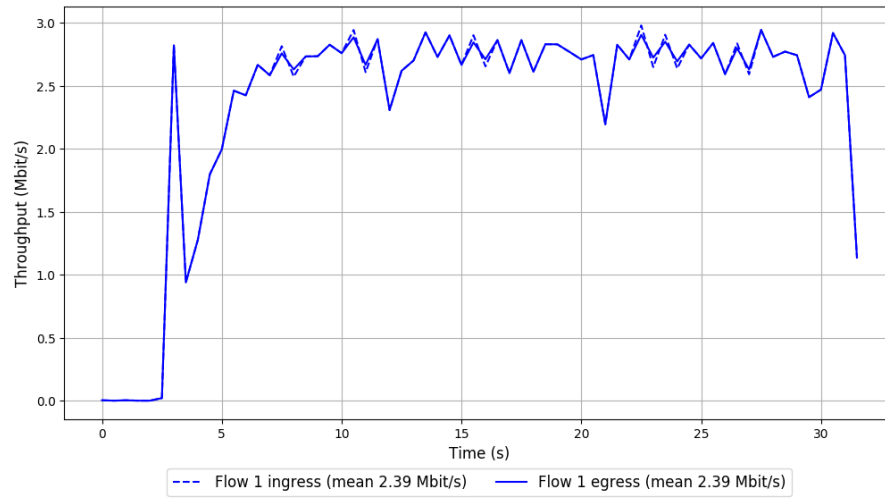
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2017-09-03 02:23:38
End at: 2017-09-03 02:24:08
Local clock offset: -3.735 ms
Remote clock offset: 0.812 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.00%
```
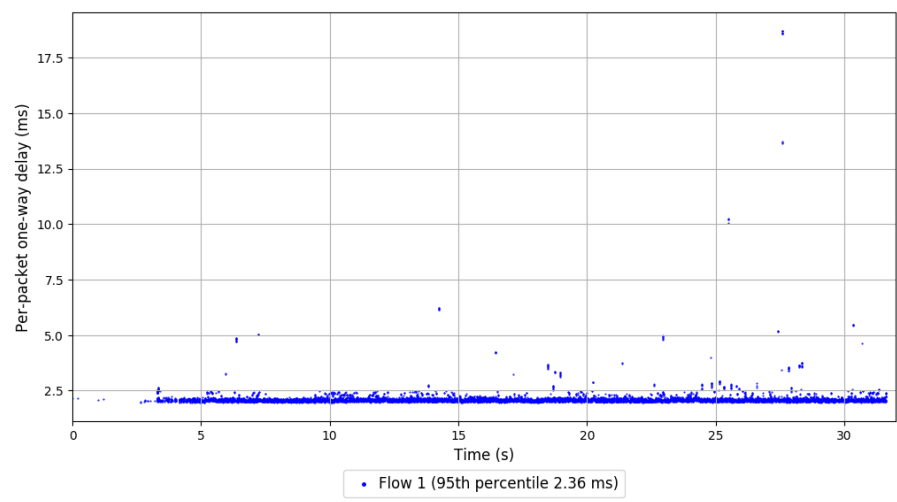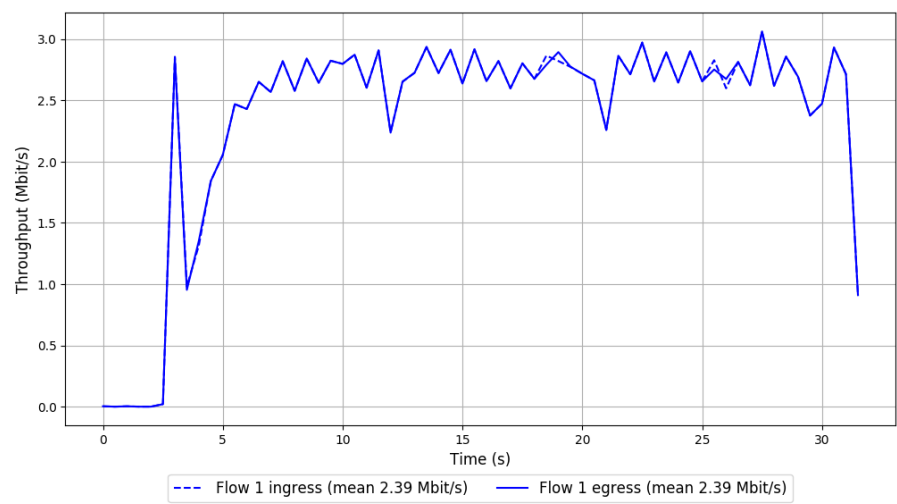
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2017-09-03 02:42:27
End at: 2017-09-03 02:42:57
Local clock offset: -3.952 ms
Remote clock offset: 0.898 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 2.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 2.281 ms
Loss rate: 0.00%
```
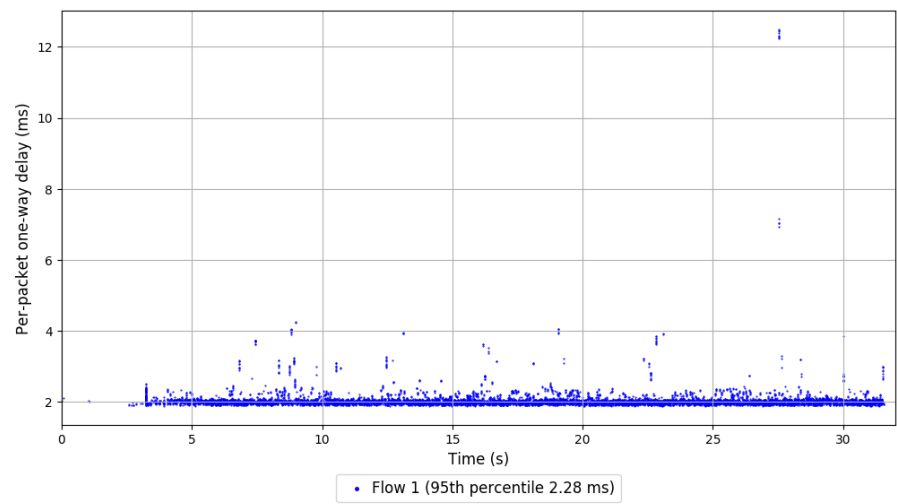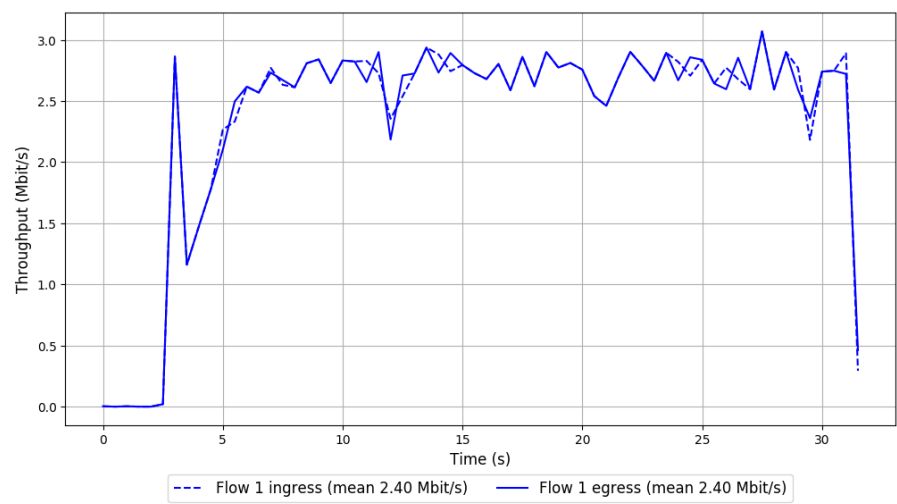
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2017-09-03 03:01:23
End at: 2017-09-03 03:01:53
Local clock offset: -3.916 ms
Remote clock offset: 0.843 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.184 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.184 ms
Loss rate: 0.03%
```
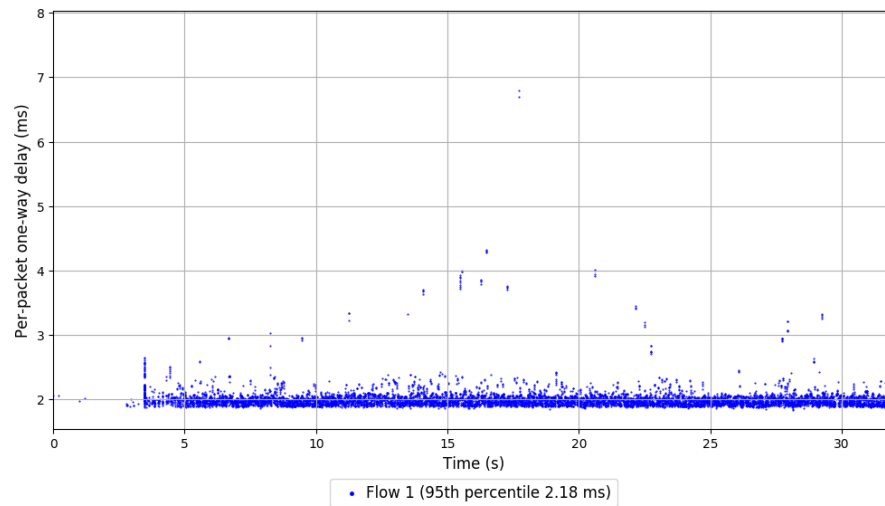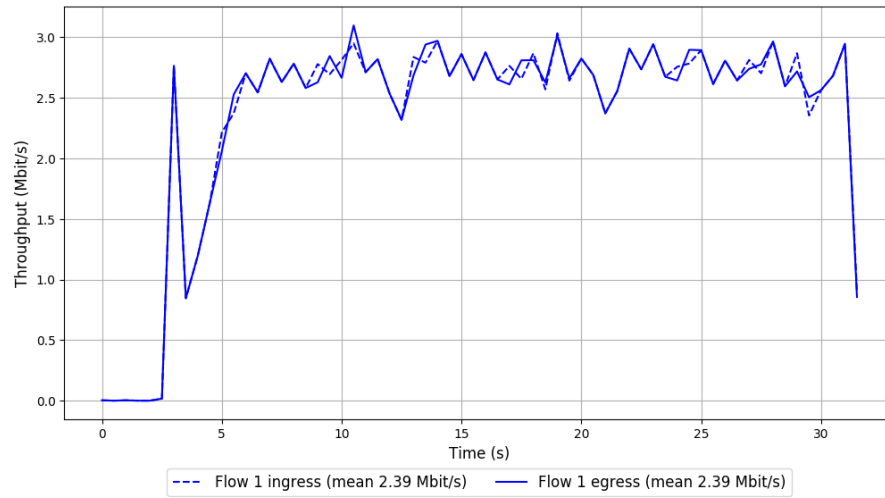
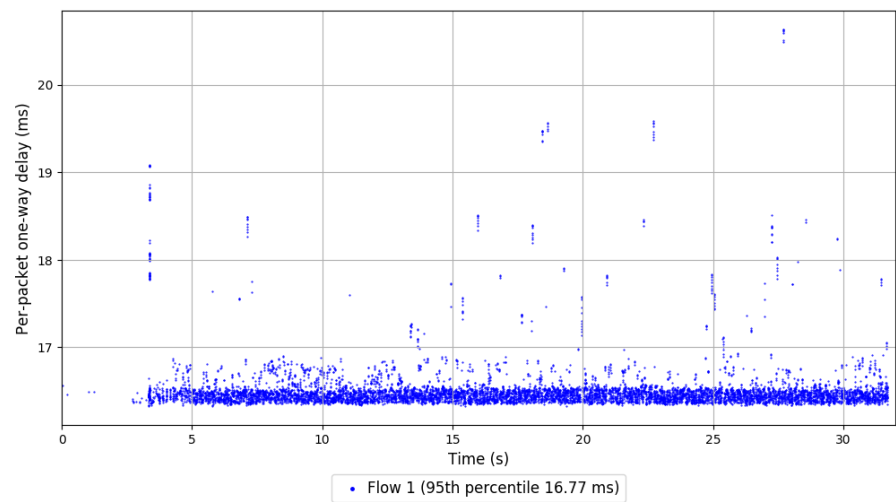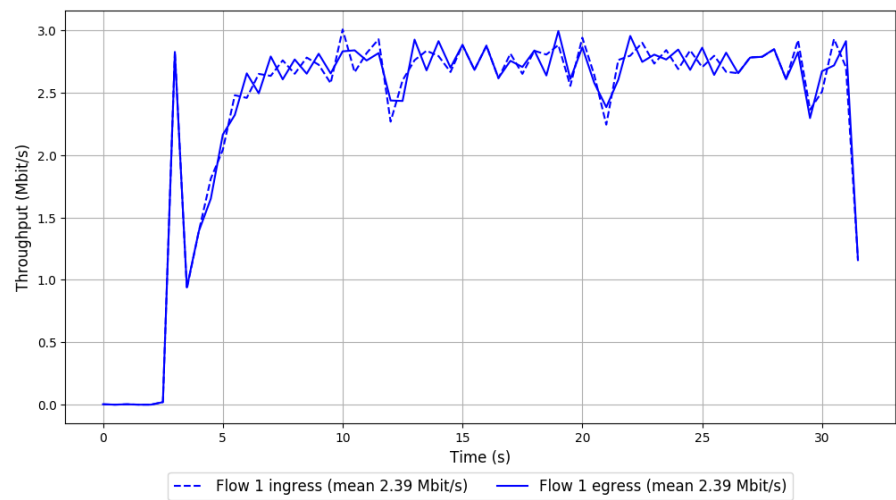Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2017-09-03 03:20:11
End at: 2017-09-03 03:20:41
Local clock offset: -3.919 ms
Remote clock offset: -13.764 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 16.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 16.772 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2017-09-03 03:39:17
End at: 2017-09-03 03:39:47
Local clock offset: -3.934 ms
Remote clock offset: 0.477 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 0.00%
```
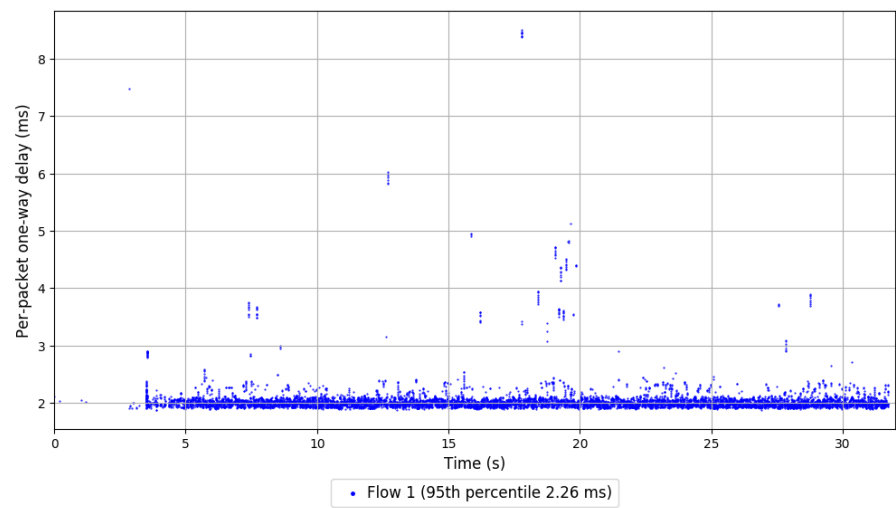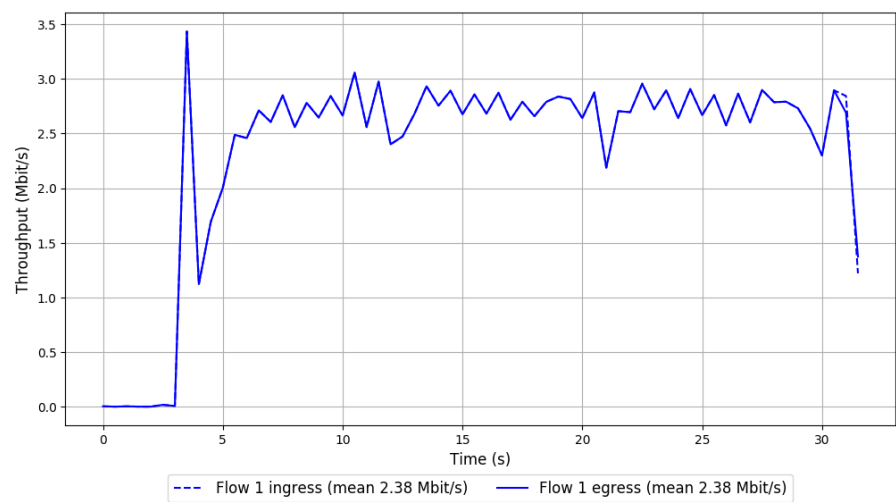
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2017-09-03 03:58:30
End at: 2017-09-03 03:59:00
Local clock offset: -3.716 ms
Remote clock offset: 0.327 ms


# Below is generated by plot.py at 2017-09-03 09:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.202 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link