Pantheon Report

Generated at 2017-09-21 17:02:47 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

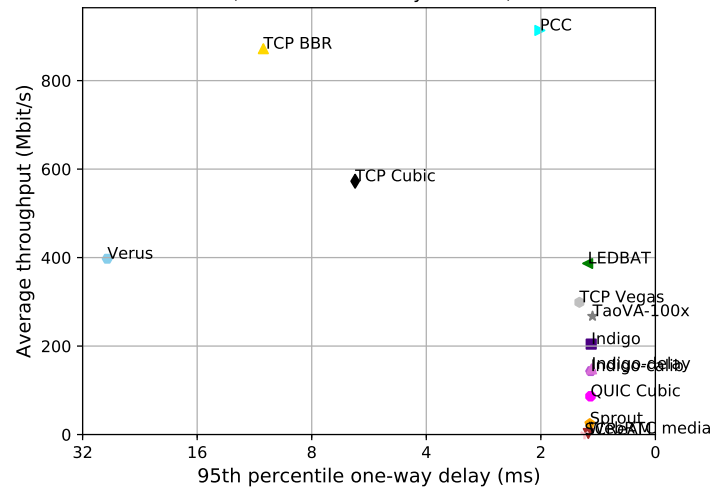Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

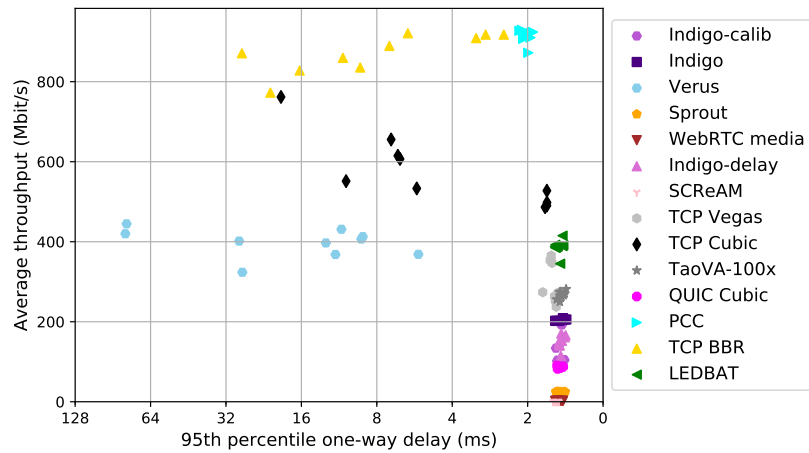NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
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 Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

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

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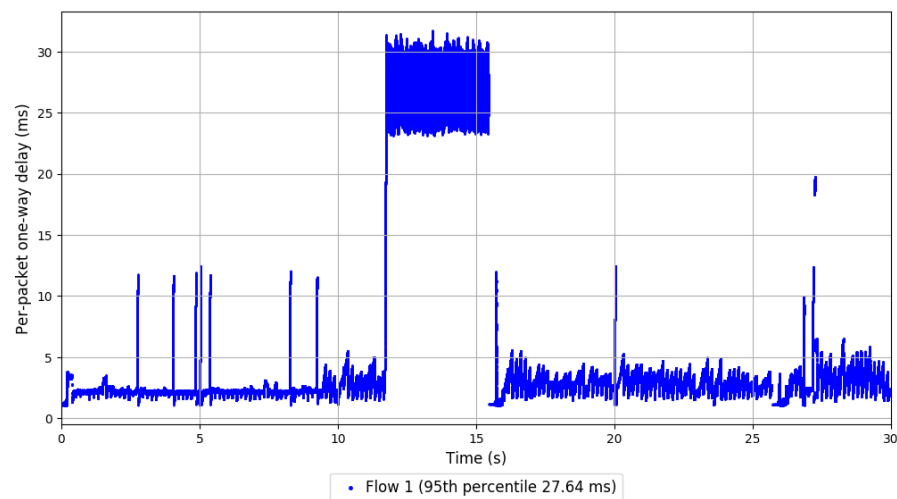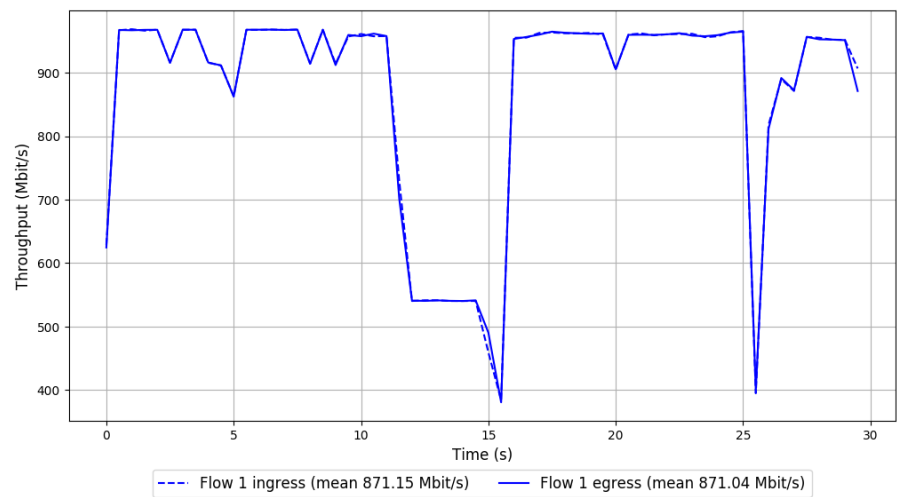| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	872.15	10.72	0.08
TCP Cubic	10	572.59	6.15	0.06
LEDBAT	10	386.75	1.18	0.07
PCC	10	913.46	2.01	0.13
QUIC Cubic	8	86.54	1.13	0.08
SCReAM	10	0.22	1.24	0.13
WebRTC media	10	2.38	1.17	0.11
Sprout	10	24.79	1.15	0.06
TaoVA-100x	10	267.57	1.10	0.07
TCP Vegas	10	298.85	1.33	0.07
Verus	10	397.41	27.57	0.54
Indigo	6	204.44	1.12	0.06
Indigo-calib	10	143.43	1.13	0.07
Indigo-delay	10	148.38	1.11	0.06

```
Run 1: Statistics of TCP BBR

Start at: 2017-09-21 09:24:46
End at: 2017-09-21 09:25:16
Local clock offset: -0.219 ms
Remote clock offset: -2.156 ms

# Below is generated by plot.py at 2017-09-21 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 772.65 Mbit/s
95th percentile per-packet one-way delay: 21.278 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 772.65 Mbit/s
95th percentile per-packet one-way delay: 21.278 ms
Loss rate: 0.09%
```

Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 772.85 Mbit/s)   Flow 1 egress (mean 772.65 Mbit/s)

• Flow 1 (95th percentile 21.28 ms)

```
Run 2: Statistics of TCP BBR

Start at: 2017-09-21 09:44:01
End at: 2017-09-21 09:44:31
Local clock offset: -0.168 ms
Remote clock offset: -1.782 ms


# Below is generated by plot.py at 2017-09-21 15:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 871.04 Mbit/s
95th percentile per-packet one-way delay: 27.639 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 871.04 Mbit/s
95th percentile per-packet one-way delay: 27.639 ms
Loss rate: 0.08%
```
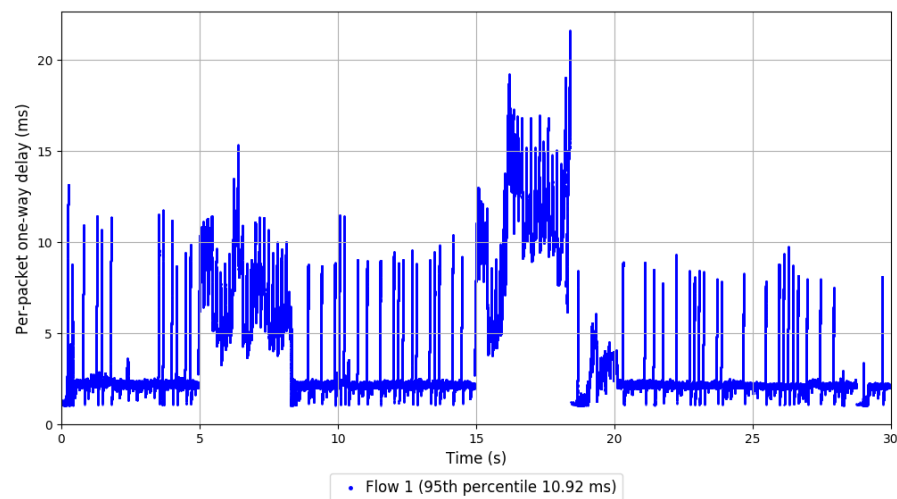
Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2017-09-21 10:03:33
End at: 2017-09-21 10:04:03
Local clock offset: -0.067 ms
Remote clock offset: -1.66 ms


# Below is generated by plot.py at 2017-09-21 15:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 859.66 Mbit/s
95th percentile per-packet one-way delay: 10.923 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 859.66 Mbit/s
95th percentile per-packet one-way delay: 10.923 ms
Loss rate: 0.08%
```
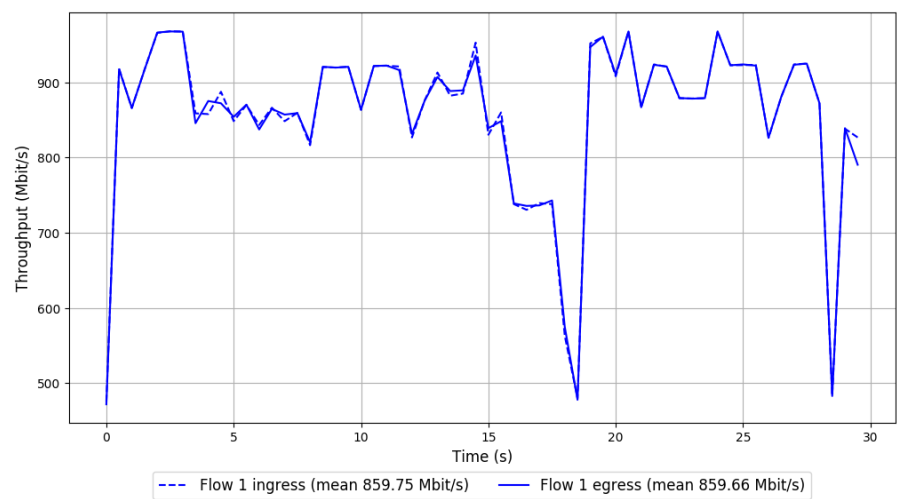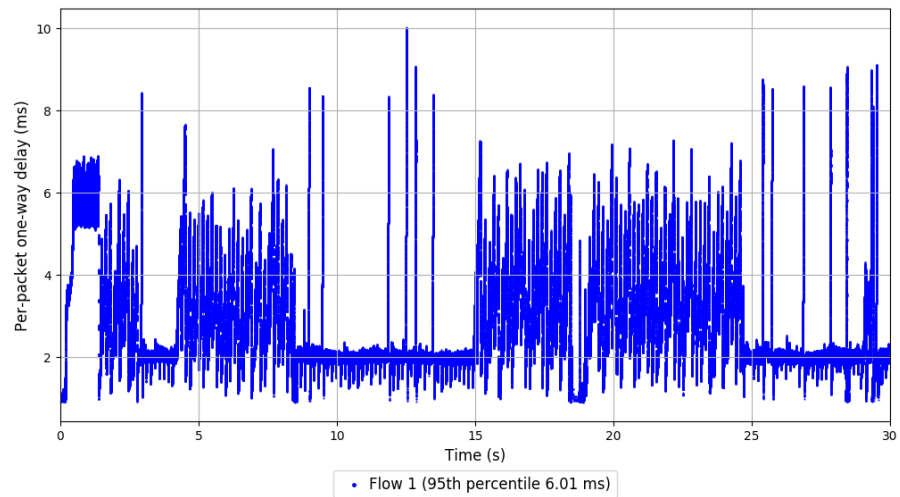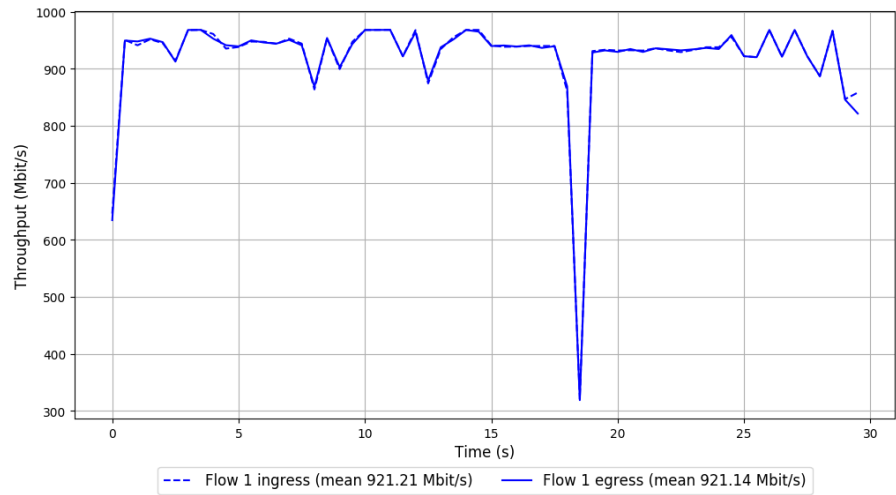
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 859.75 Mbit/s)   Flow 1 egress (mean 859.66 Mbit/s)

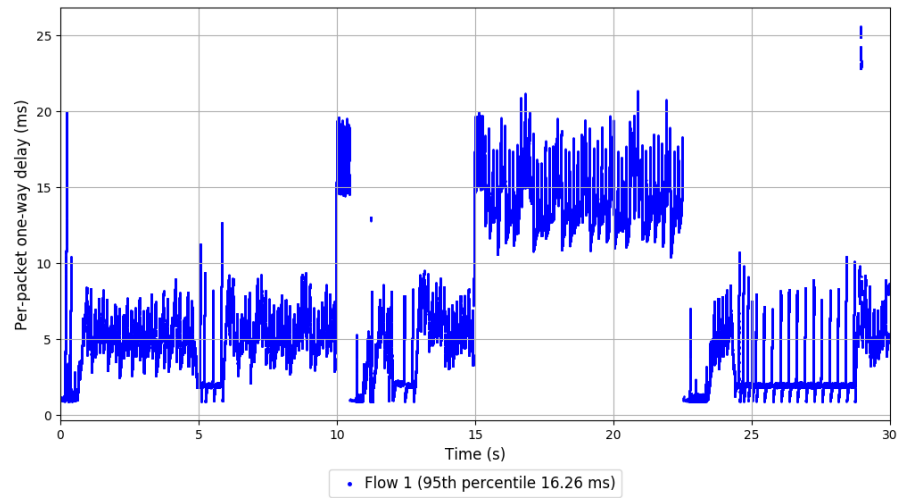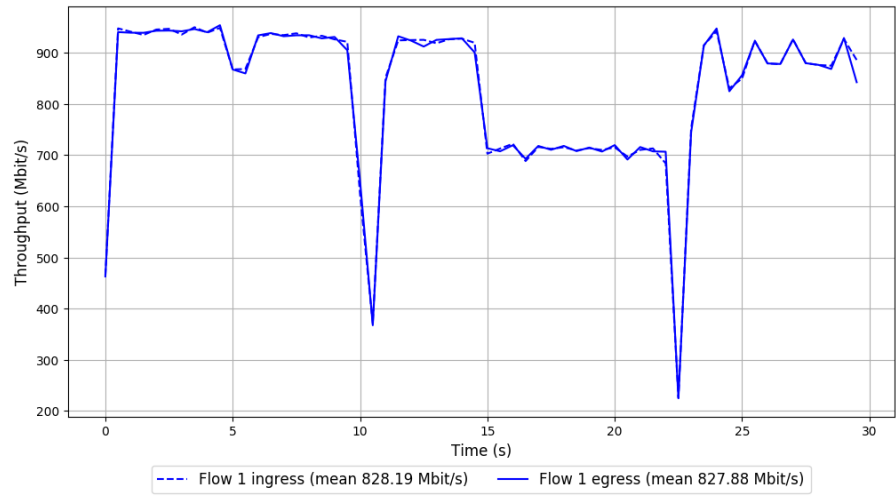
Flow 1 (95th percentile 10.92 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2017-09-21 10:22:42
End at: 2017-09-21 10:23:12
Local clock offset: -0.147 ms
Remote clock offset: -1.439 ms


# Below is generated by plot.py at 2017-09-21 15:55:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 921.14 Mbit/s
95th percentile per-packet one-way delay: 6.015 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 921.14 Mbit/s
95th percentile per-packet one-way delay: 6.015 ms
Loss rate: 0.08%
```
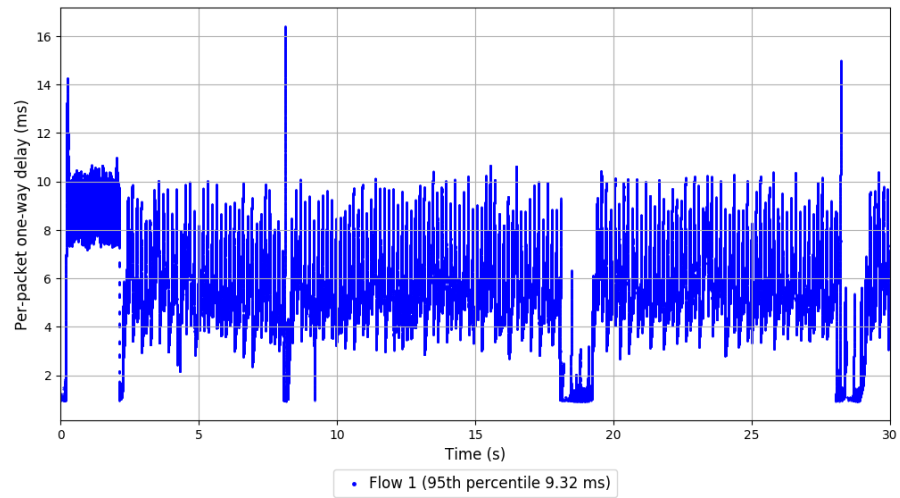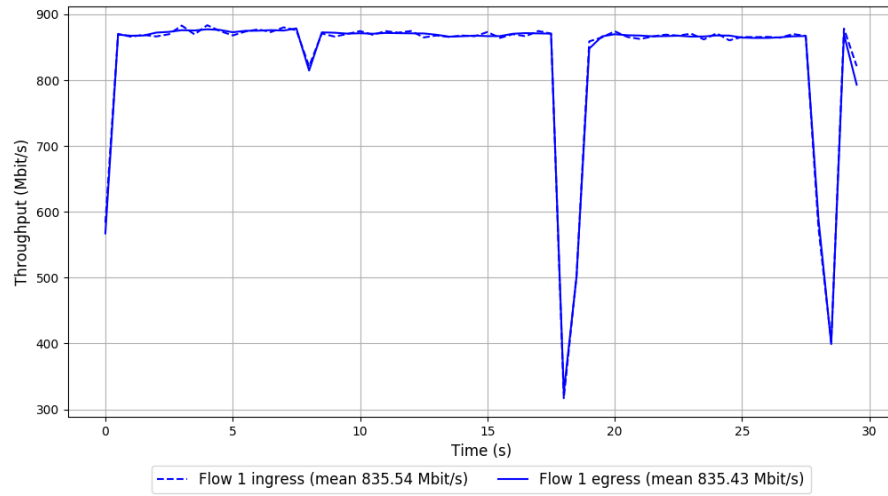
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 921.21 Mbit/s)   Flow 1 egress (mean 921.14 Mbit/s)

Flow 1 (95th percentile 6.01 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2017-09-21 10:42:02
End at: 2017-09-21 10:42:32
Local clock offset: -0.128 ms
Remote clock offset: -1.269 ms


# Below is generated by plot.py at 2017-09-21 15:55:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 827.88 Mbit/s
95th percentile per-packet one-way delay: 16.256 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 827.88 Mbit/s
95th percentile per-packet one-way delay: 16.256 ms
Loss rate: 0.10%
```
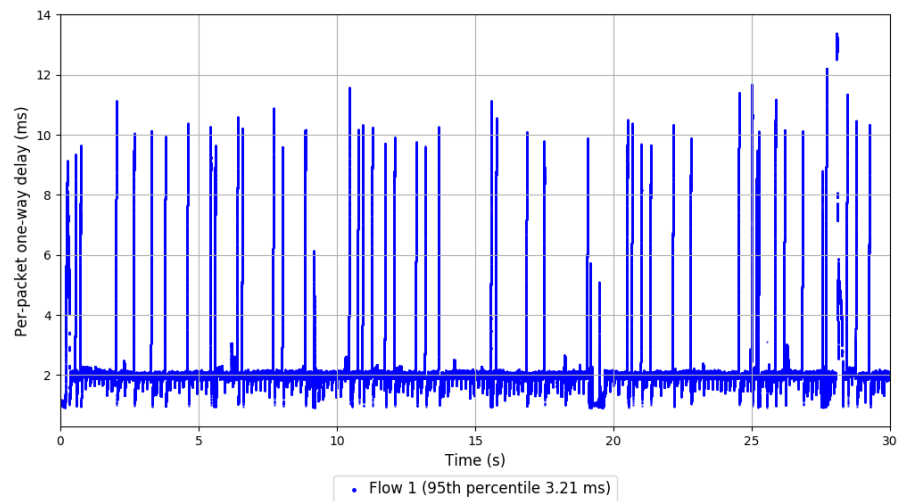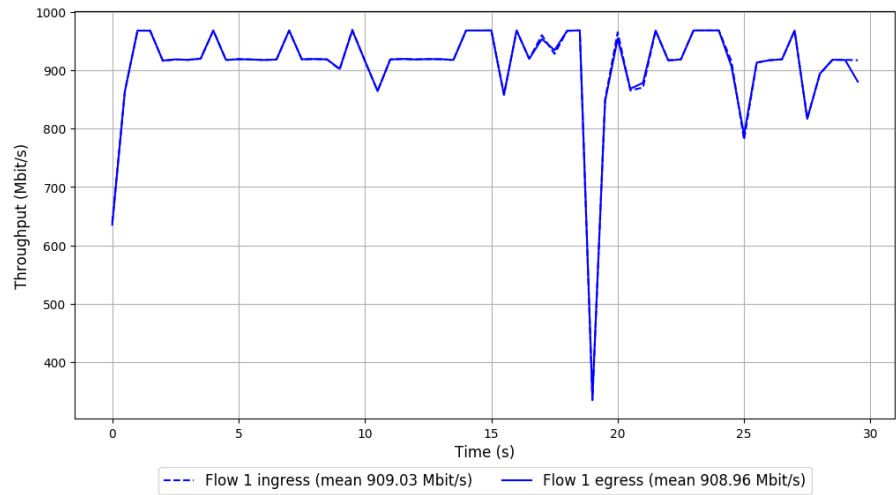
Run 5: Report of TCP BBR — Data Link

```
Run 6: Statistics of TCP BBR

Start at: 2017-09-21 11:01:28
End at: 2017-09-21 11:01:58
Local clock offset: -0.139 ms
Remote clock offset: -1.433 ms


# Below is generated by plot.py at 2017-09-21 15:55:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 835.43 Mbit/s
95th percentile per-packet one-way delay: 9.320 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 835.43 Mbit/s
95th percentile per-packet one-way delay: 9.320 ms
Loss rate: 0.08%
```
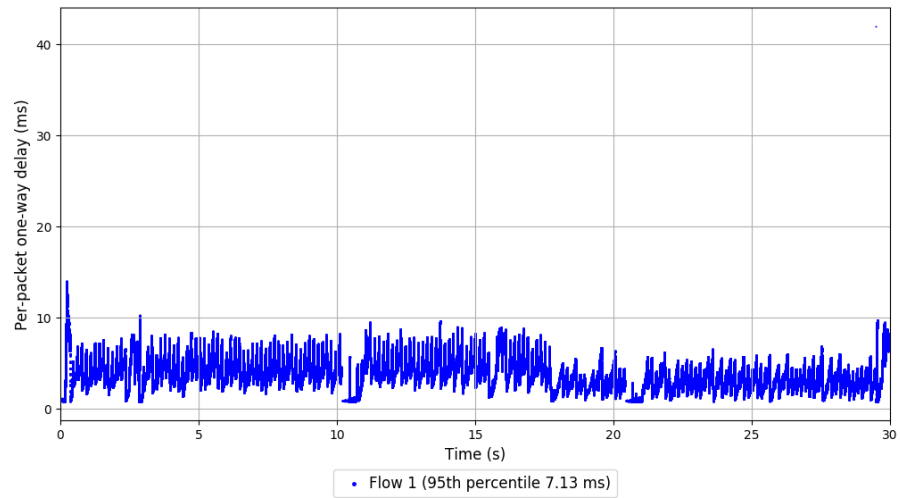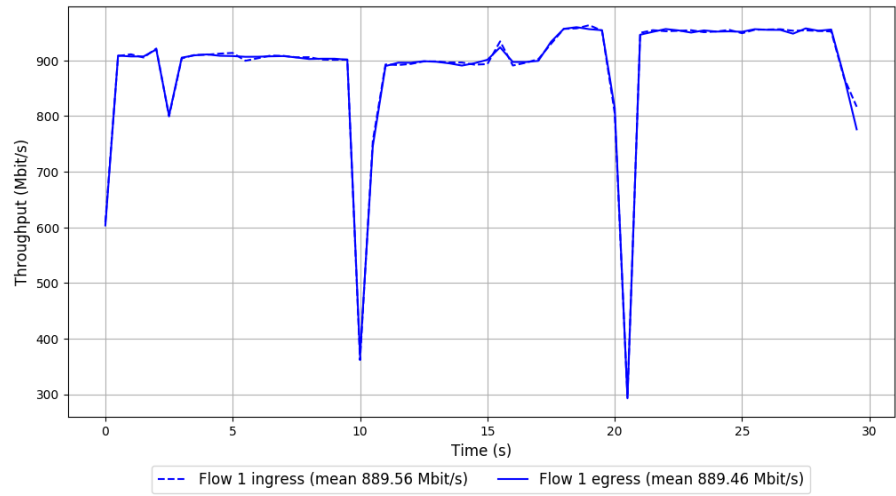
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 835.54 Mbit/s)   Flow 1 egress (mean 835.43 Mbit/s)

Flow 1 (95th percentile 9.32 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-09-21 11:20:37
End at: 2017-09-21 11:21:07
Local clock offset: -0.292 ms
Remote clock offset: -1.618 ms


# Below is generated by plot.py at 2017-09-21 15:55:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 908.96 Mbit/s
95th percentile per-packet one-way delay: 3.210 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 908.96 Mbit/s
95th percentile per-packet one-way delay: 3.210 ms
Loss rate: 0.07%
```

Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 909.03 Mbit/s)   Flow 1 egress (mean 908.96 Mbit/s)

Flow 1 (95th percentile 3.21 ms)

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```
Run 8: Statistics of TCP BBR

Start at: 2017-09-21 11:39:55
End at: 2017-09-21 11:40:26
Local clock offset: -0.298 ms
Remote clock offset: -1.586 ms


# Below is generated by plot.py at 2017-09-21 15:55:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 889.46 Mbit/s
95th percentile per-packet one-way delay: 7.128 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 889.46 Mbit/s
95th percentile per-packet one-way delay: 7.128 ms
Loss rate: 0.08%
```
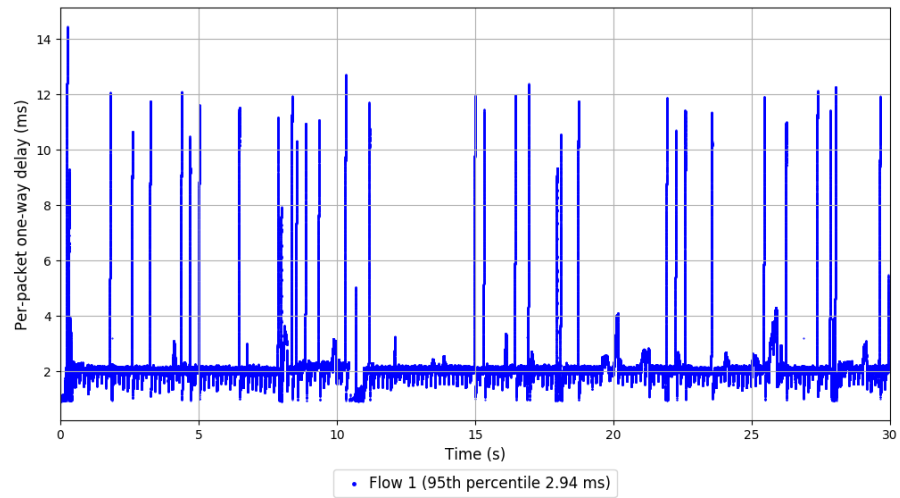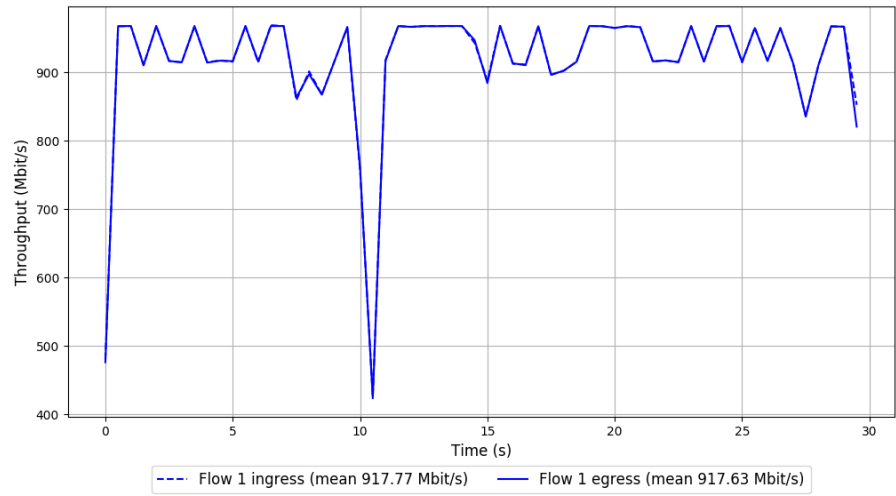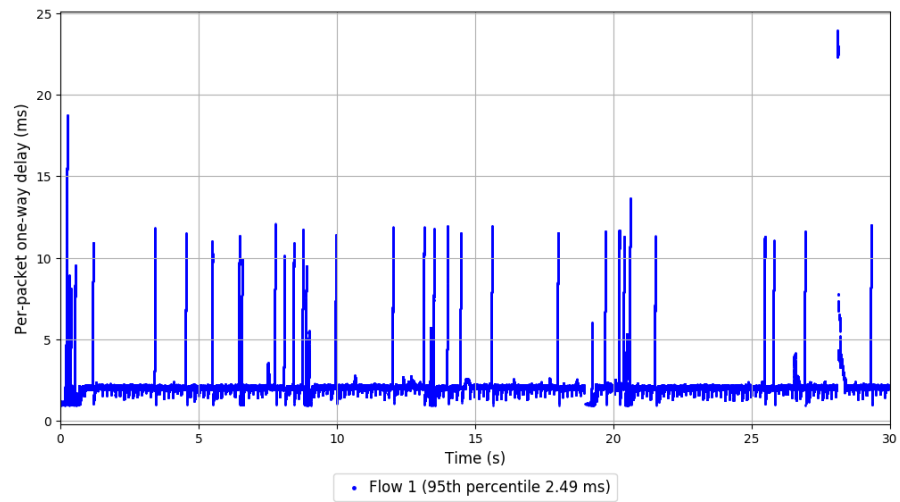
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 889.56 Mbit/s)   Flow 1 egress (mean 889.46 Mbit/s)
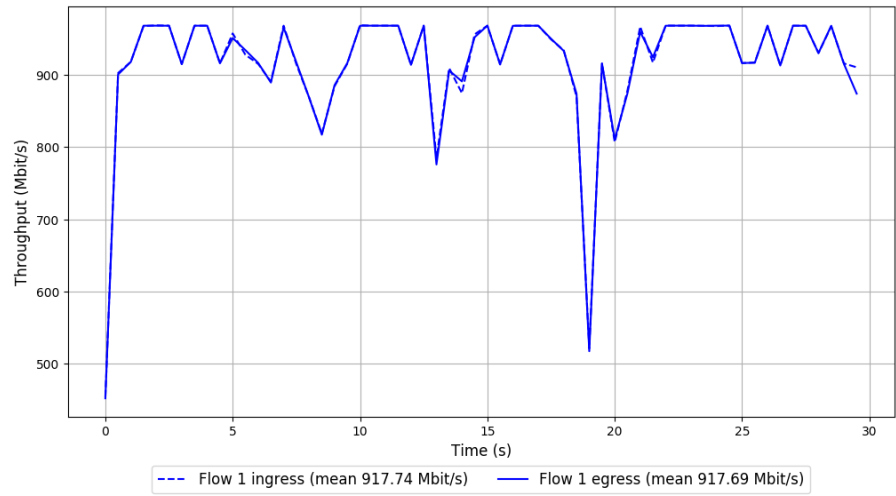

Flow 1 (95th percentile 7.13 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-09-21 11:59:03
End at: 2017-09-21 11:59:33
Local clock offset: -0.29 ms
Remote clock offset: -1.527 ms


# Below is generated by plot.py at 2017-09-21 16:06:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 917.63 Mbit/s
95th percentile per-packet one-way delay: 2.943 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 917.63 Mbit/s
95th percentile per-packet one-way delay: 2.943 ms
Loss rate: 0.07%
```
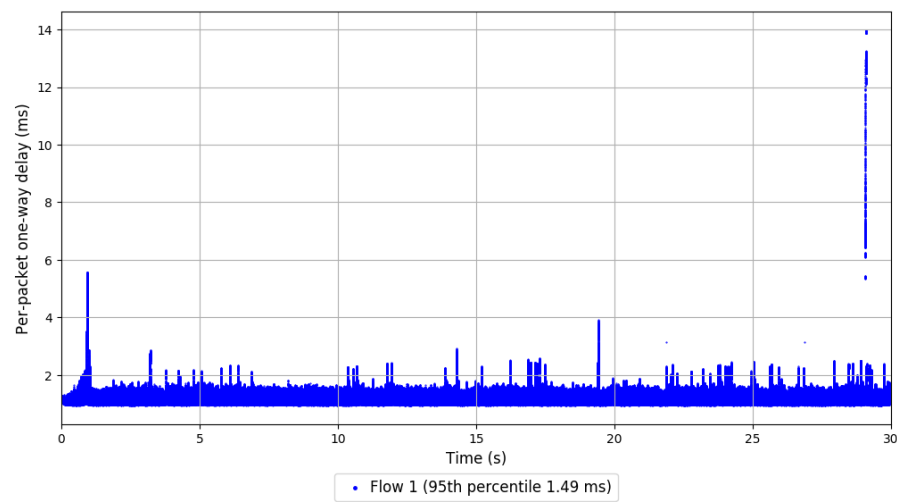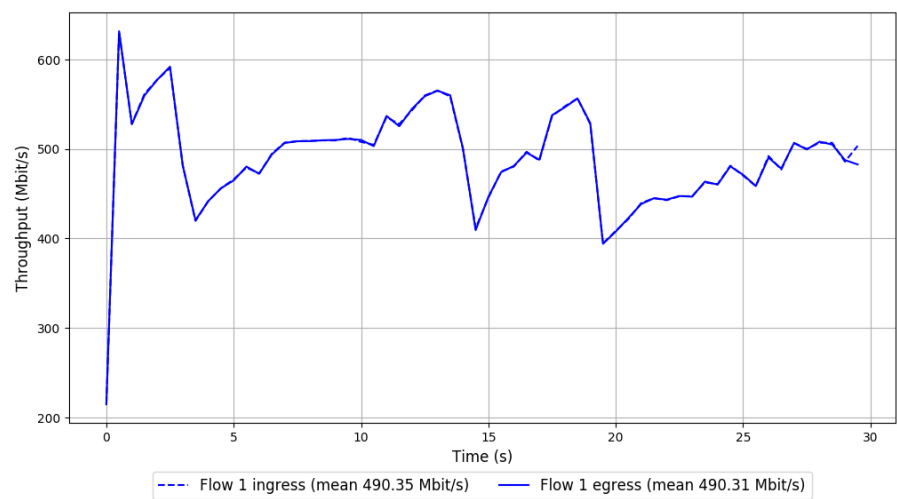
Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2017-09-21 12:18:40
End at: 2017-09-21 12:19:10
Local clock offset: -0.175 ms
Remote clock offset: -1.625 ms


# Below is generated by plot.py at 2017-09-21 16:07:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 917.69 Mbit/s
95th percentile per-packet one-way delay: 2.490 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 917.69 Mbit/s
95th percentile per-packet one-way delay: 2.490 ms
Loss rate: 0.07%
```
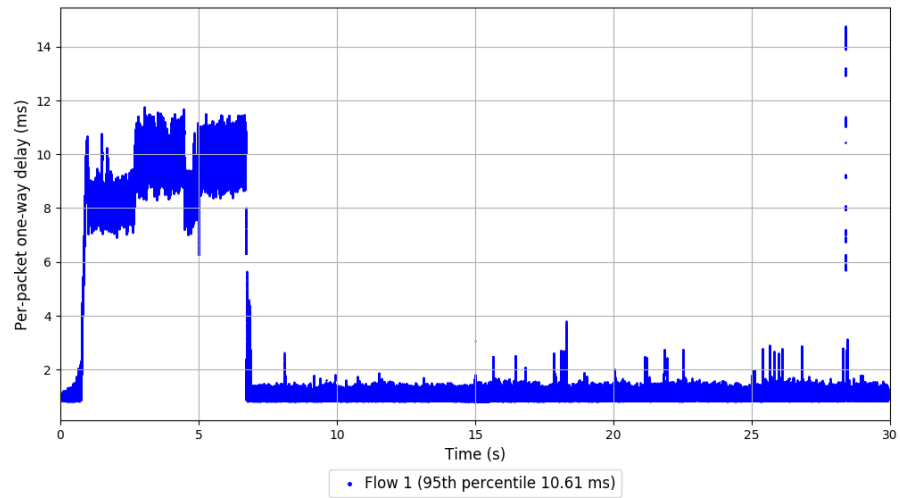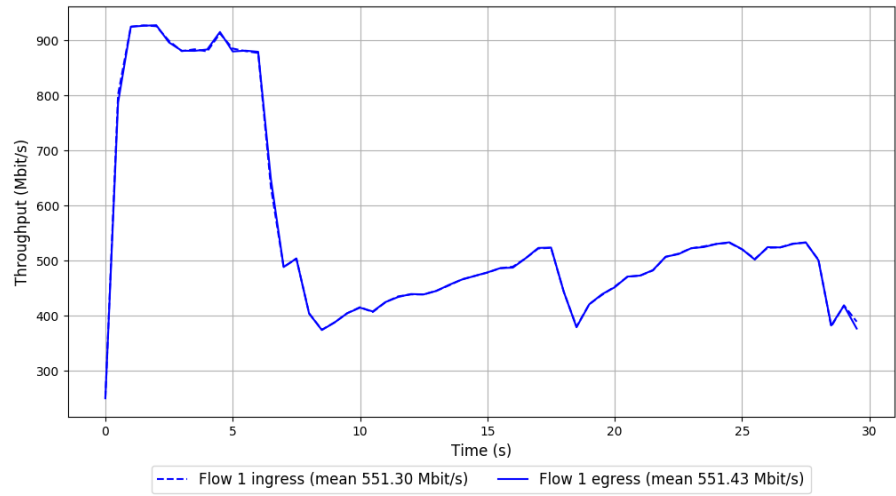
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 917.74 Mbit/s)   Flow 1 egress (mean 917.69 Mbit/s)

• Flow 1 (95th percentile 2.49 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 09:21:40
End at: 2017-09-21 09:22:10
Local clock offset: -0.229 ms
Remote clock offset: -2.146 ms


# Below is generated by plot.py at 2017-09-21 16:07:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 490.31 Mbit/s
95th percentile per-packet one-way delay: 1.490 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 490.31 Mbit/s
95th percentile per-packet one-way delay: 1.490 ms
Loss rate: 0.07%
```
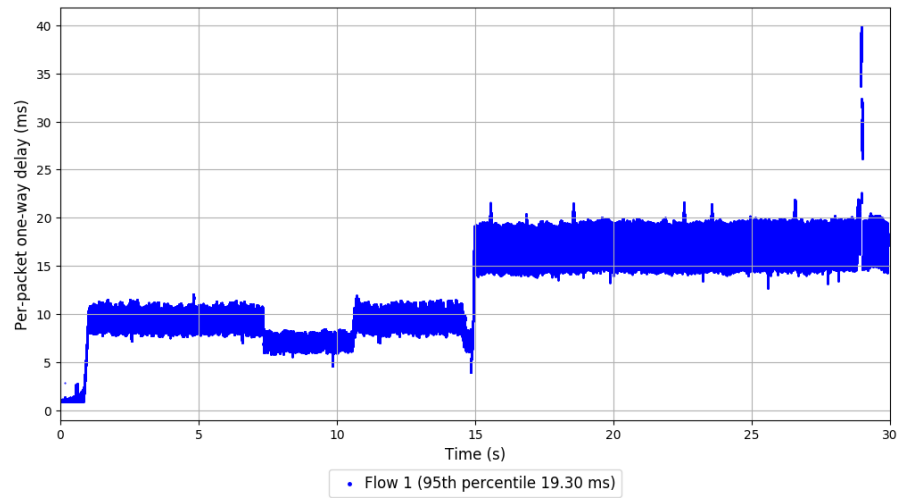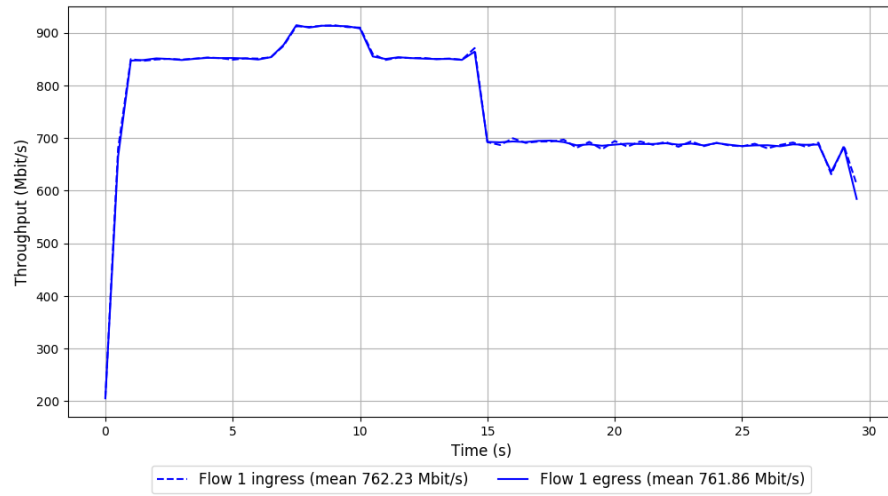
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 09:40:54
End at: 2017-09-21 09:41:24
Local clock offset: -0.291 ms
Remote clock offset: -1.763 ms


# Below is generated by plot.py at 2017-09-21 16:07:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 551.43 Mbit/s
95th percentile per-packet one-way delay: 10.611 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 551.43 Mbit/s
95th percentile per-packet one-way delay: 10.611 ms
Loss rate: 0.04%
```
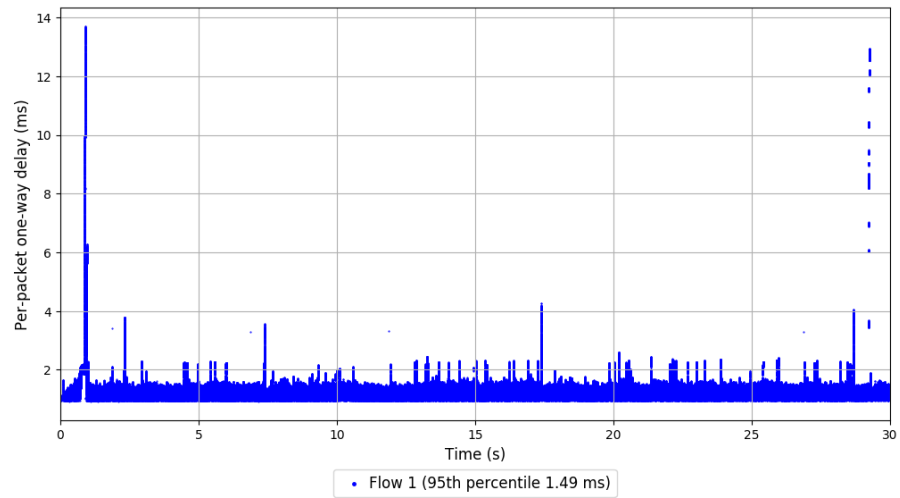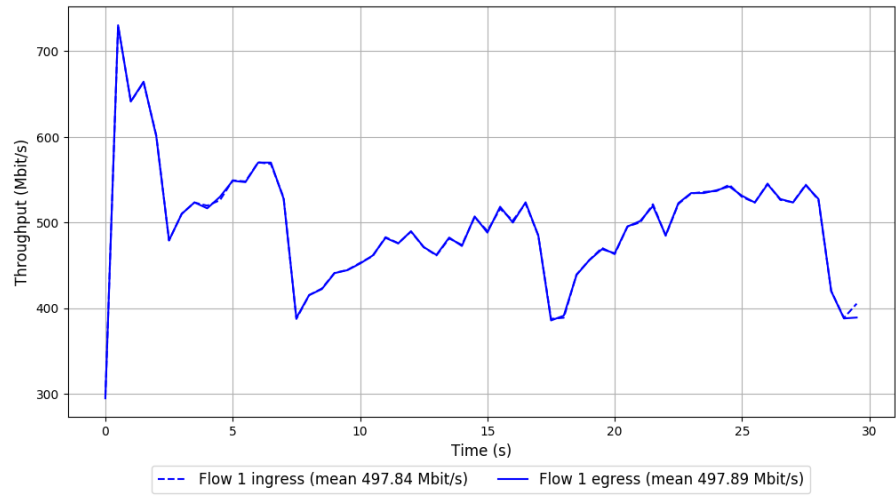
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 10:00:16
End at: 2017-09-21 10:00:46
Local clock offset: -0.174 ms
Remote clock offset: -1.703 ms


# Below is generated by plot.py at 2017-09-21 16:07:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 761.86 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 761.86 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.11%
```

Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 762.23 Mbit/s)   Flow 1 egress (mean 761.86 Mbit/s)
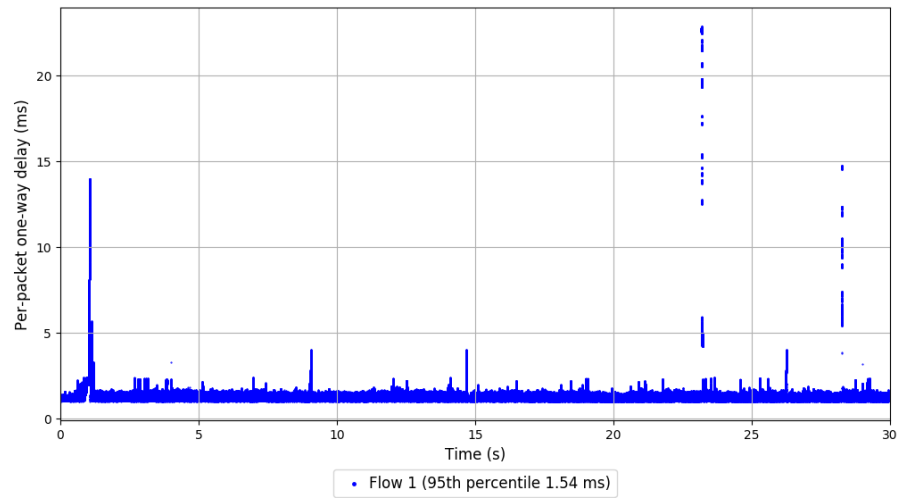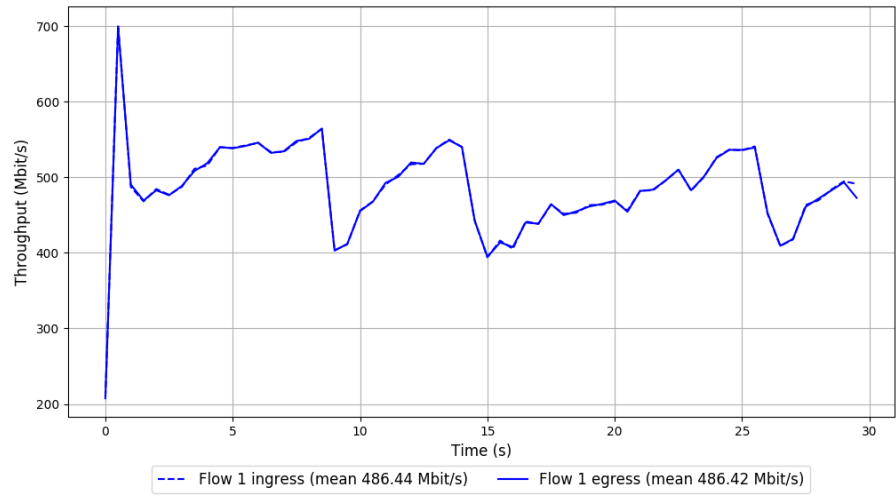

Flow 1 (95th percentile 19.30 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2017-09-21 10:19:36
End at: 2017-09-21 10:20:06
Local clock offset: -0.124 ms
Remote clock offset: -1.512 ms


# Below is generated by plot.py at 2017-09-21 16:07:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 497.89 Mbit/s
95th percentile per-packet one-way delay: 1.487 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 497.89 Mbit/s
95th percentile per-packet one-way delay: 1.487 ms
Loss rate: 0.06%
```
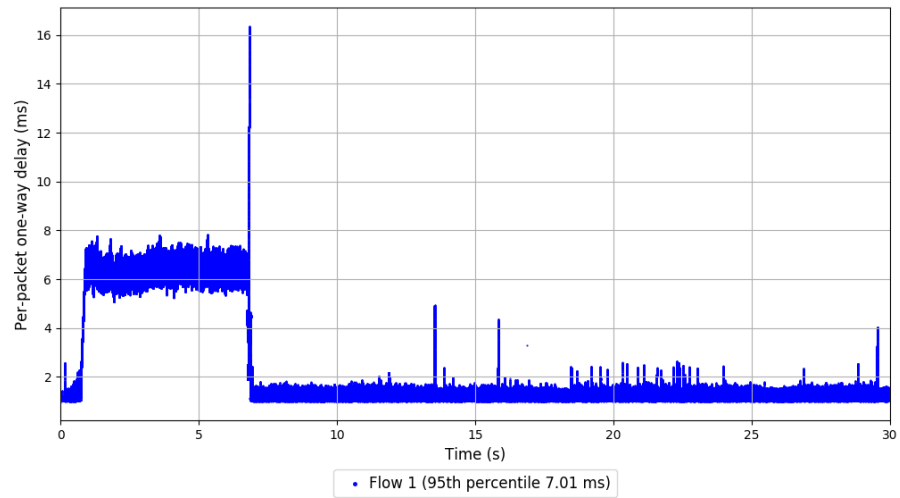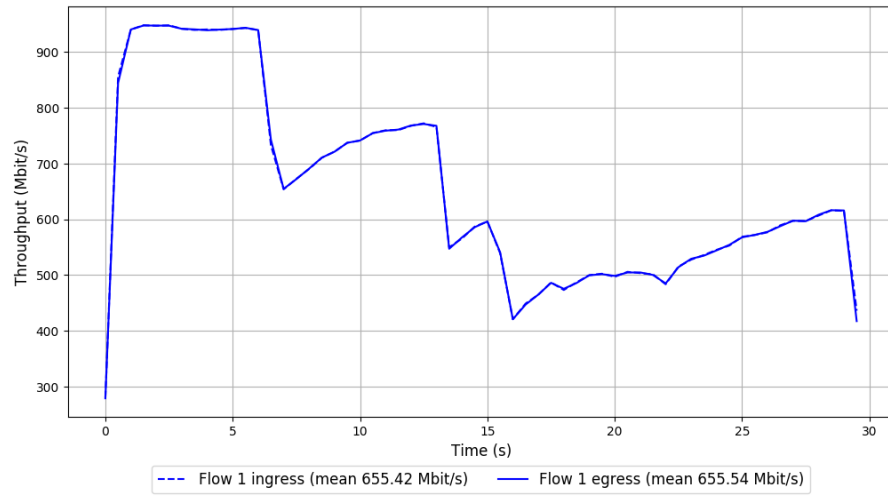
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 497.84 Mbit/s) — Flow 1 egress (mean 497.89 Mbit/s)

Flow 1 (95th percentile 1.49 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2017-09-21 10:38:57
End at: 2017-09-21 10:39:27
Local clock offset: -0.034 ms
Remote clock offset: -1.302 ms


# Below is generated by plot.py at 2017-09-21 16:07:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.42 Mbit/s
95th percentile per-packet one-way delay: 1.539 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 486.42 Mbit/s
95th percentile per-packet one-way delay: 1.539 ms
Loss rate: 0.07%
```
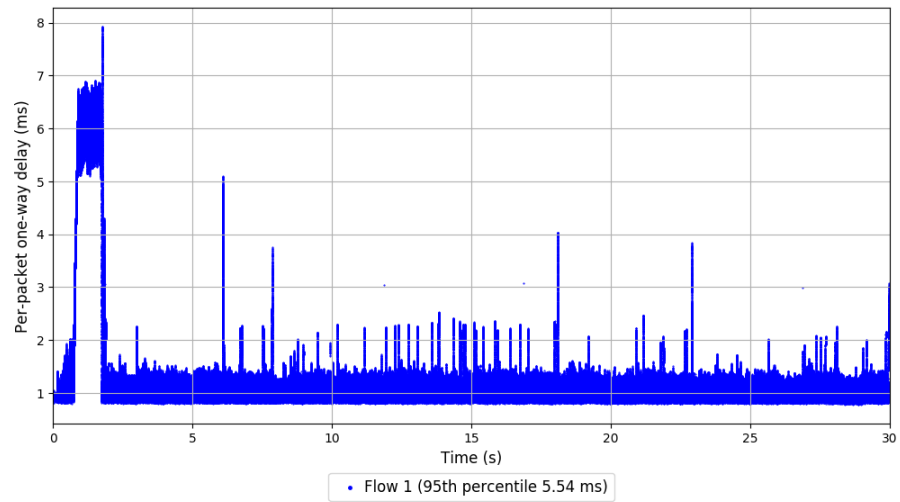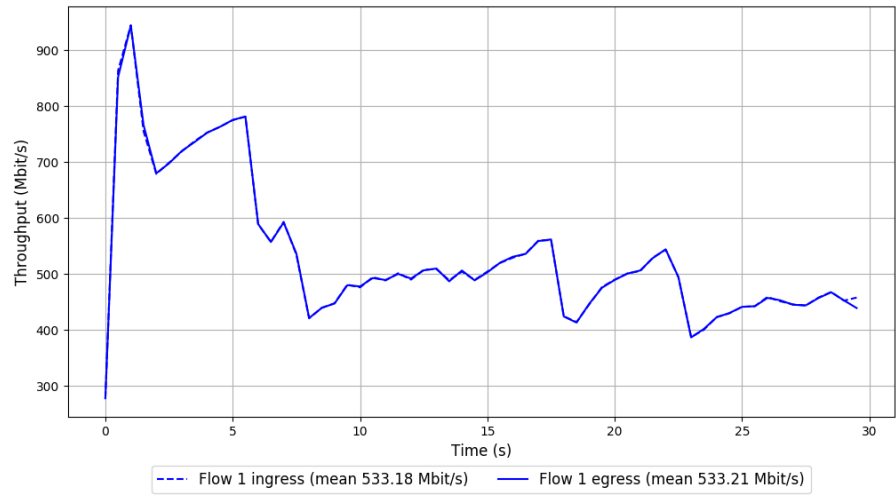
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 486.44 Mbit/s)   Flow 1 egress (mean 486.42 Mbit/s)

Flow 1 (95th percentile 1.54 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2017-09-21 10:58:15
End at: 2017-09-21 10:58:45
Local clock offset: -0.116 ms
Remote clock offset: -1.474 ms


# Below is generated by plot.py at 2017-09-21 16:07:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 655.54 Mbit/s
95th percentile per-packet one-way delay: 7.013 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 655.54 Mbit/s
95th percentile per-packet one-way delay: 7.013 ms
Loss rate: 0.05%
```

Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 655.42 Mbit/s) --- Flow 1 egress (mean 655.54 Mbit/s)
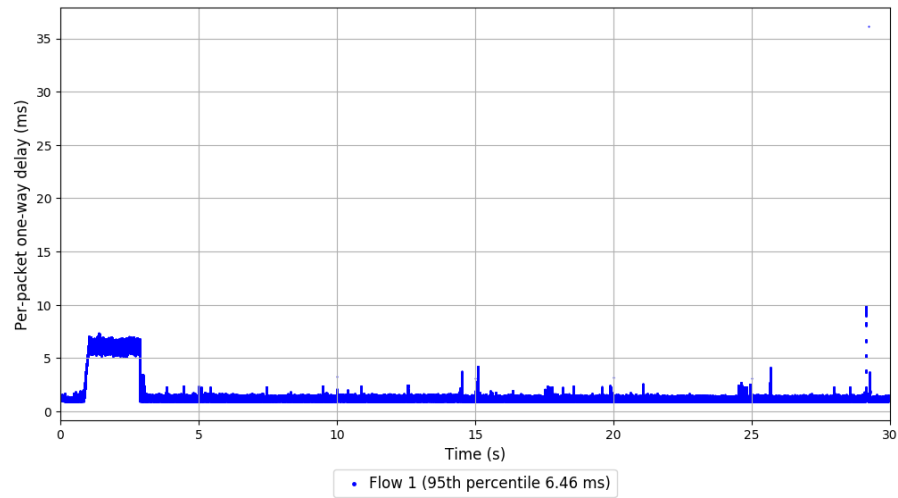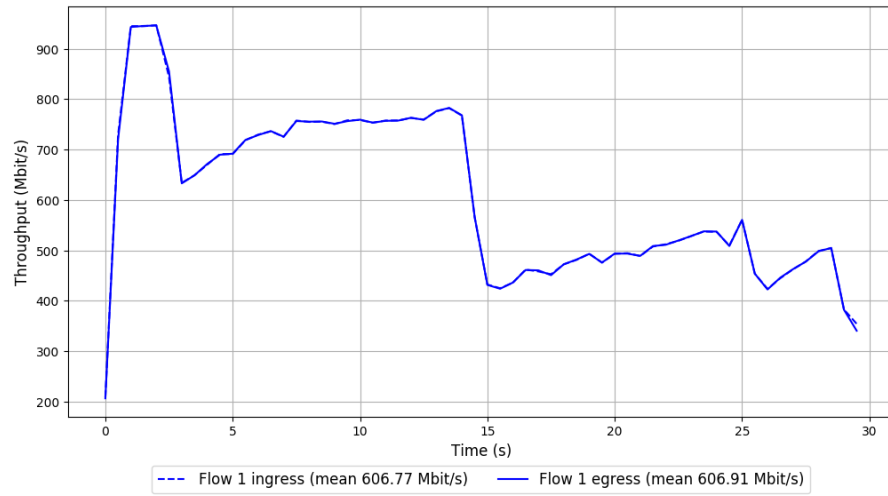

Flow 1 (95th percentile 7.01 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2017-09-21 11:17:29
End at: 2017-09-21 11:17:59
Local clock offset: -0.301 ms
Remote clock offset: -1.475 ms


# Below is generated by plot.py at 2017-09-21 16:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 533.21 Mbit/s
95th percentile per-packet one-way delay: 5.542 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 533.21 Mbit/s
95th percentile per-packet one-way delay: 5.542 ms
Loss rate: 0.06%
```

Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 533.18 Mbit/s)   —— Flow 1 egress (mean 533.21 Mbit/s)
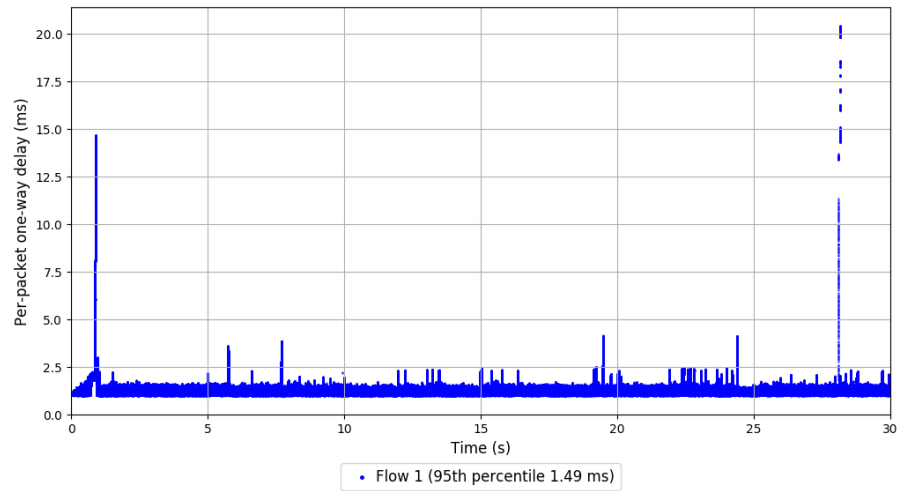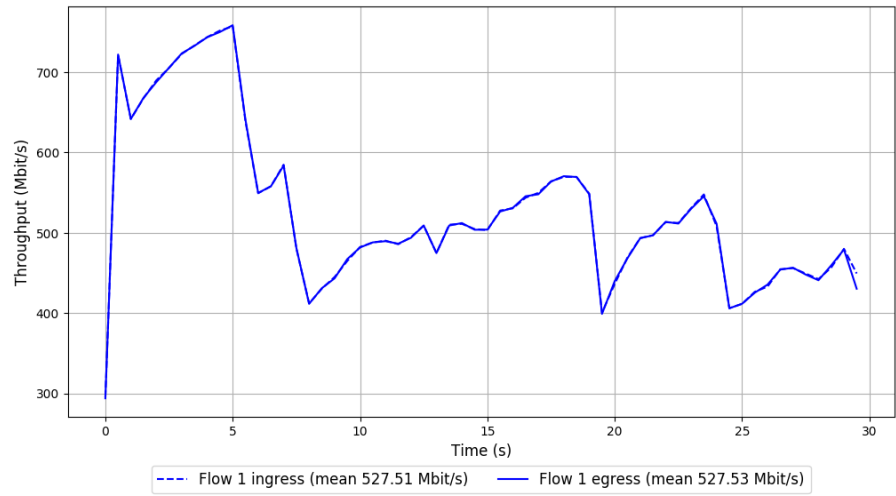

• Flow 1 (95th percentile 5.54 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-09-21 11:36:46
End at: 2017-09-21 11:37:16
Local clock offset: -0.205 ms
Remote clock offset: -1.555 ms


# Below is generated by plot.py at 2017-09-21 16:10:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 606.91 Mbit/s
95th percentile per-packet one-way delay: 6.464 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 606.91 Mbit/s
95th percentile per-packet one-way delay: 6.464 ms
Loss rate: 0.04%
```
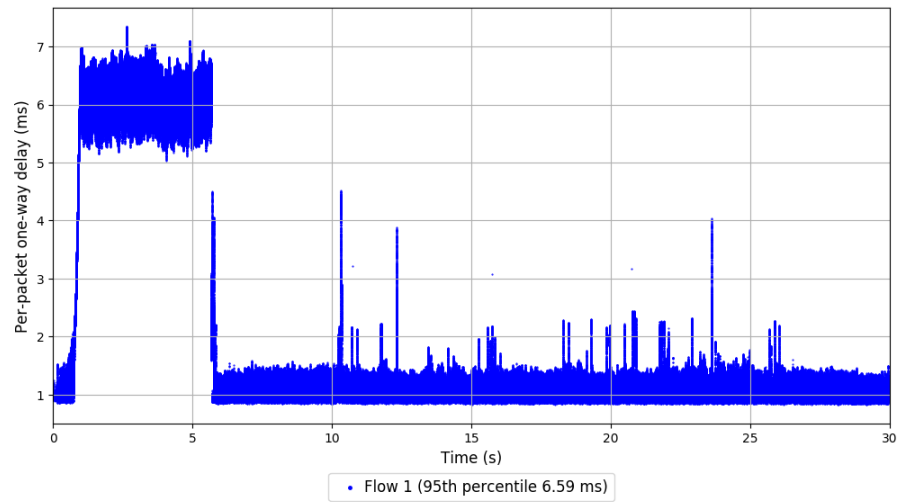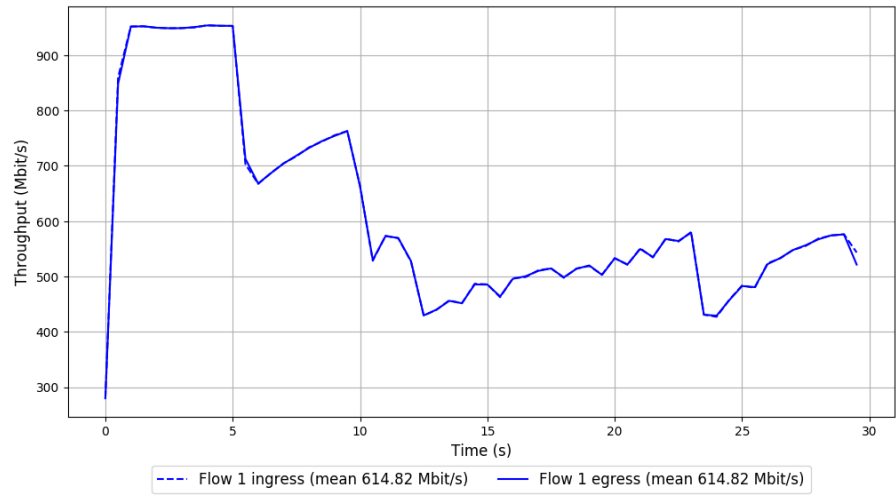
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2017-09-21 11:56:00
End at: 2017-09-21 11:56:30
Local clock offset: -0.2 ms
Remote clock offset: -1.513 ms


# Below is generated by plot.py at 2017-09-21 16:10:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 527.53 Mbit/s
95th percentile per-packet one-way delay: 1.490 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 527.53 Mbit/s
95th percentile per-packet one-way delay: 1.490 ms
Loss rate: 0.06%
```
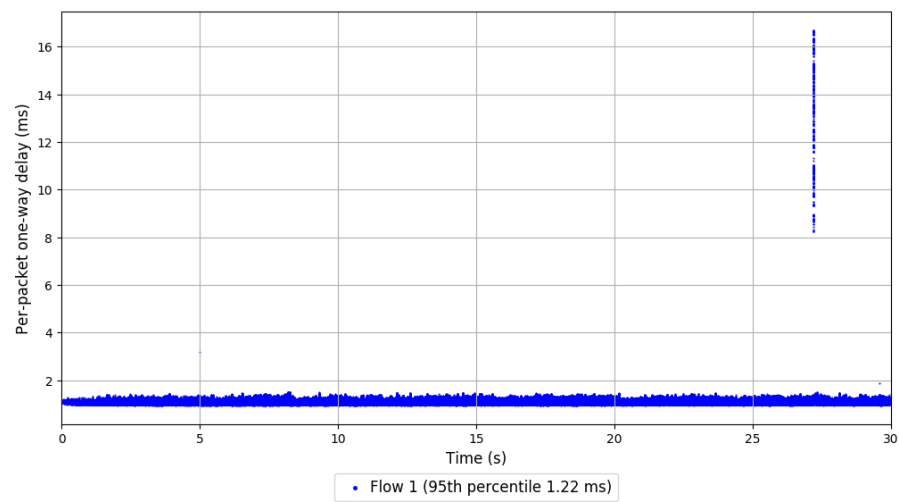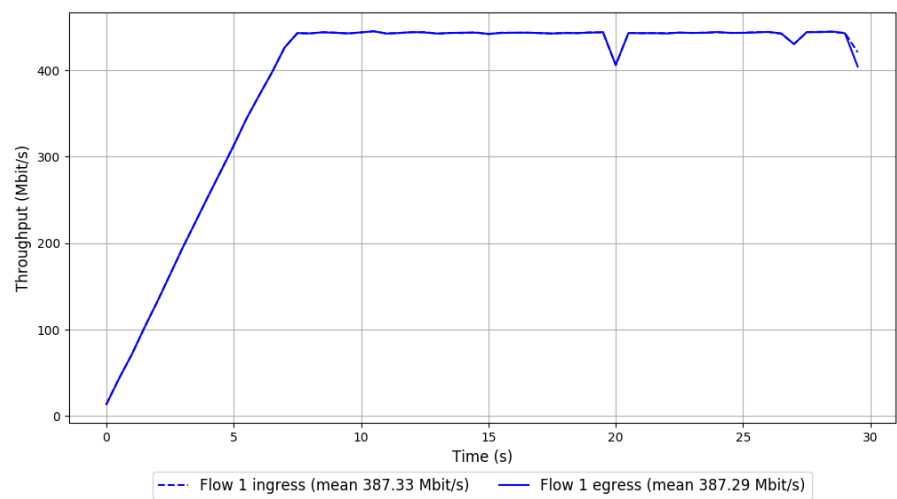
Run 9: Report of TCP Cubic — Data Link

```
Run 10: Statistics of TCP Cubic

Start at: 2017-09-21 12:15:30
End at: 2017-09-21 12:16:00
Local clock offset: -0.308 ms
Remote clock offset: -1.583 ms


# Below is generated by plot.py at 2017-09-21 16:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 614.82 Mbit/s
95th percentile per-packet one-way delay: 6.593 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 614.82 Mbit/s
95th percentile per-packet one-way delay: 6.593 ms
Loss rate: 0.06%
```

Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 614.82 Mbit/s)   Flow 1 egress (mean 614.82 Mbit/s)
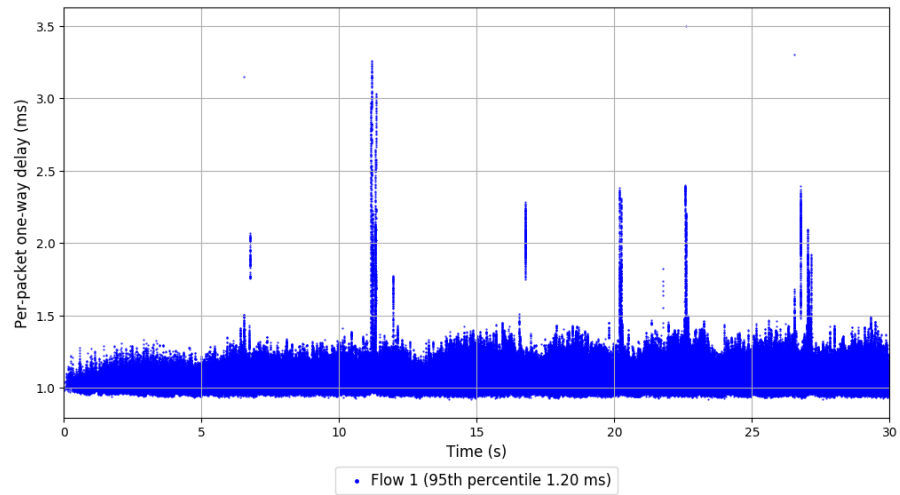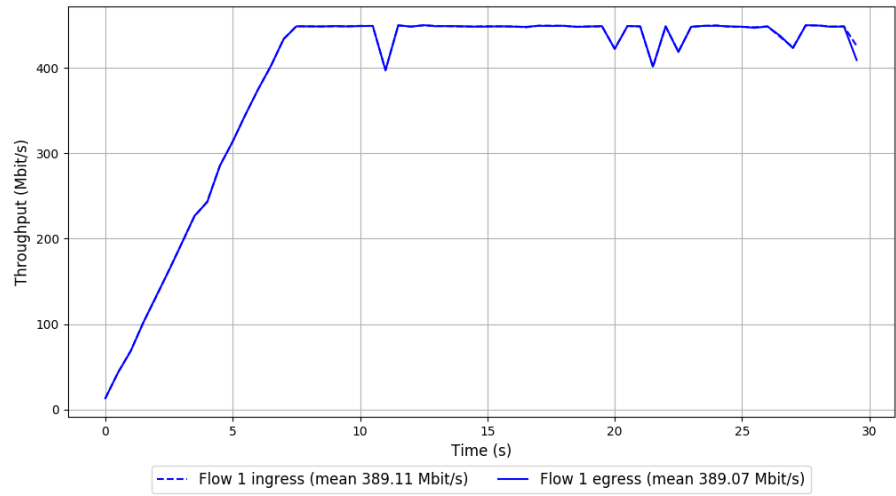

Flow 1 (95th percentile 6.59 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2017-09-21 09:27:53
End at: 2017-09-21 09:28:23
Local clock offset: -0.21 ms
Remote clock offset: -2.086 ms


# Below is generated by plot.py at 2017-09-21 16:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 387.29 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 387.29 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.08%
```

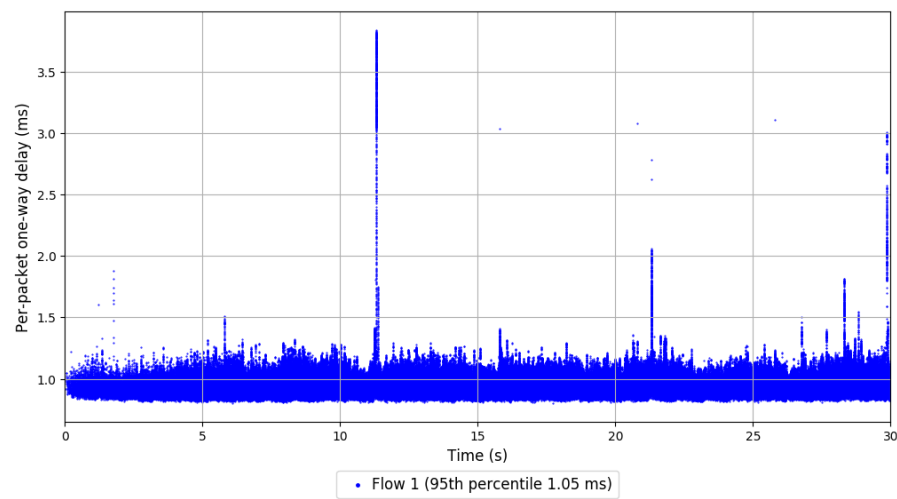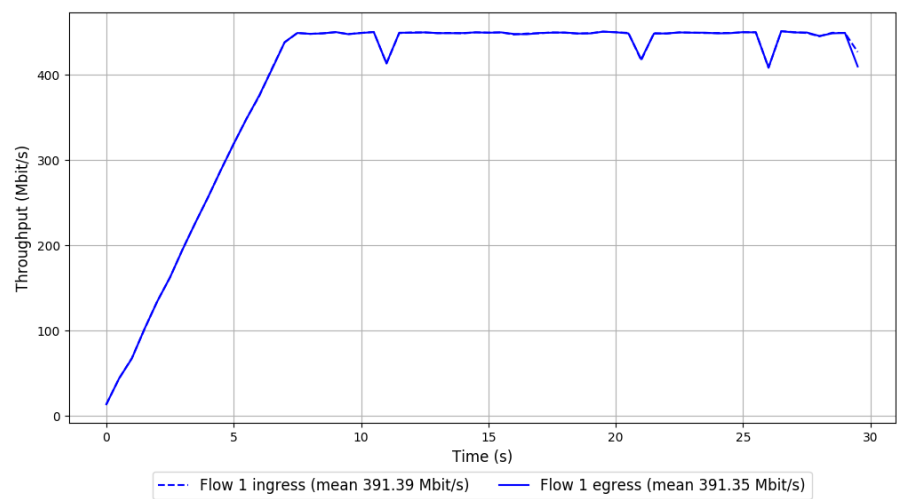# Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2017-09-21 09:47:15
End at: 2017-09-21 09:47:45
Local clock offset: -0.163 ms
Remote clock offset: -1.703 ms


# Below is generated by plot.py at 2017-09-21 16:11:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.07 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 389.07 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.08%
```

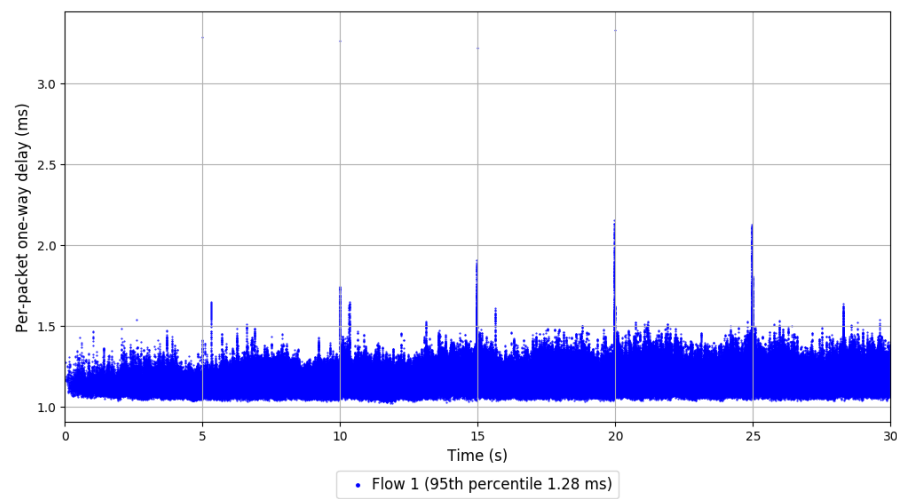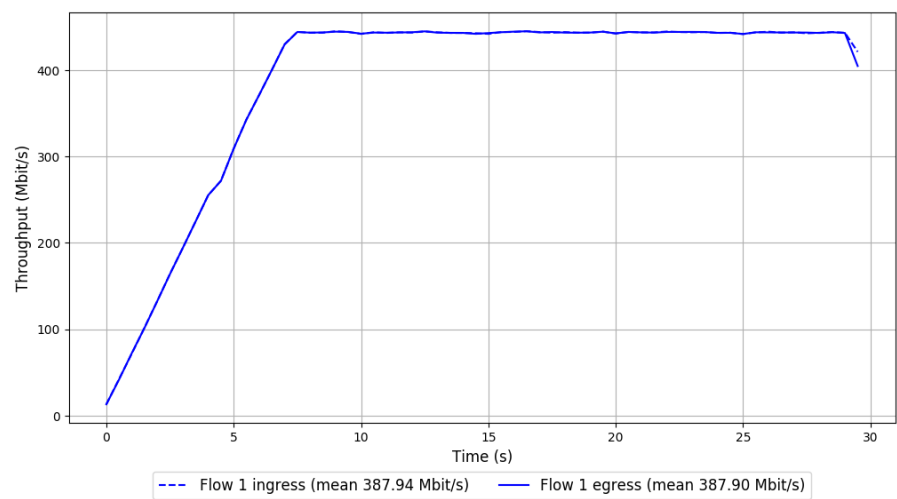Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 389.11 Mbit/s)   Flow 1 egress (mean 389.07 Mbit/s)

• Flow 1 (95th percentile 1.20 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2017-09-21 10:06:45
End at: 2017-09-21 10:07:15
Local clock offset: -0.157 ms
Remote clock offset: -1.546 ms

# Below is generated by plot.py at 2017-09-21 16:12:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.35 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 391.35 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.08%
```

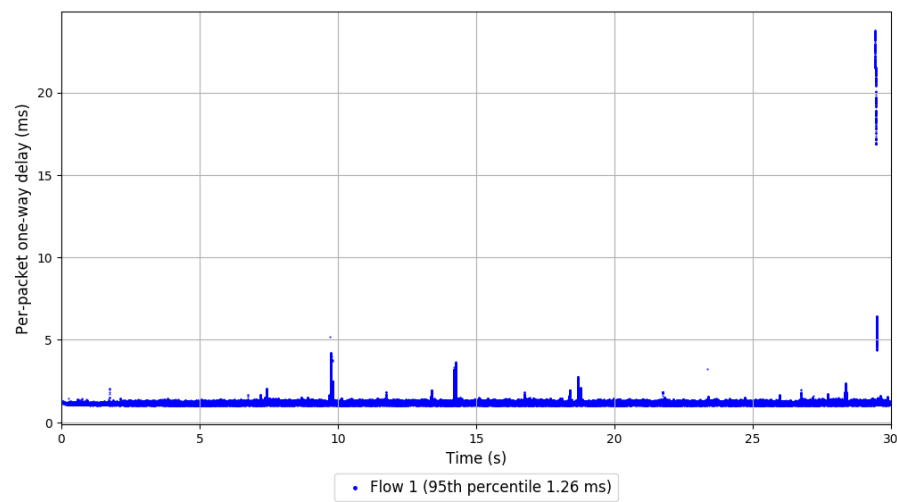Run 3: Report of LEDBAT — Data Link

```
Run 4: Statistics of LEDBAT

Start at: 2017-09-21 10:25:57
End at: 2017-09-21 10:26:27
Local clock offset: -0.038 ms
Remote clock offset: -1.431 ms


# Below is generated by plot.py at 2017-09-21 16:12:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 387.90 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 387.90 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.08%
```

Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 387.94 Mbit/s)   Flow 1 egress (mean 387.90 Mbit/s)

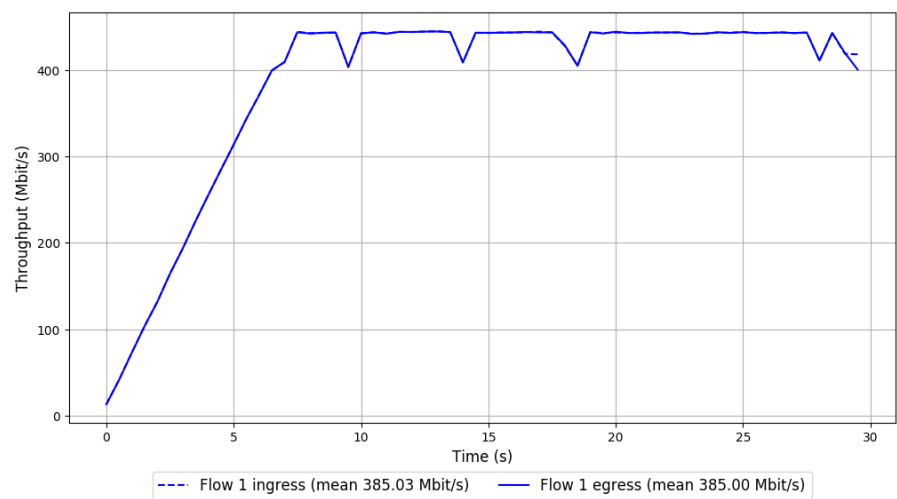Flow 1 (95th percentile 1.28 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2017-09-21 10:45:12
End at: 2017-09-21 10:45:43
Local clock offset: -0.037 ms
Remote clock offset: -1.389 ms


# Below is generated by plot.py at 2017-09-21 16:14:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.00 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 385.00 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.08%
```
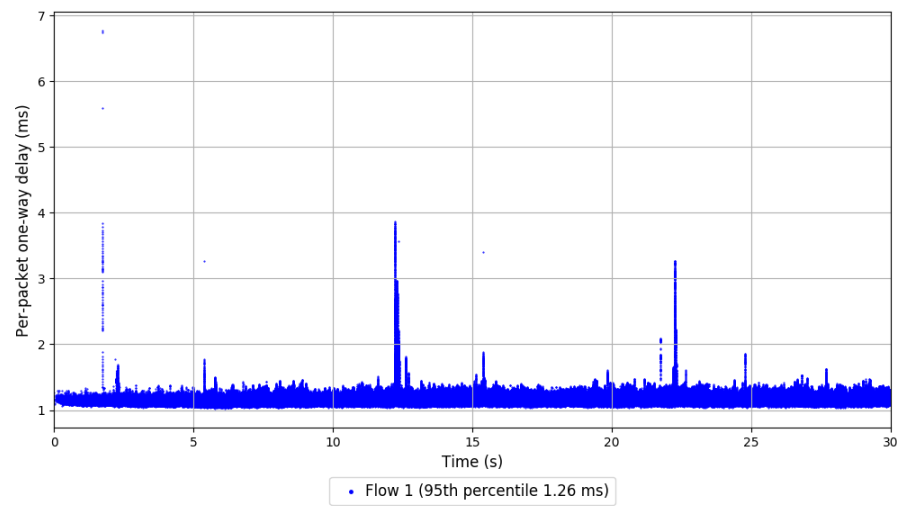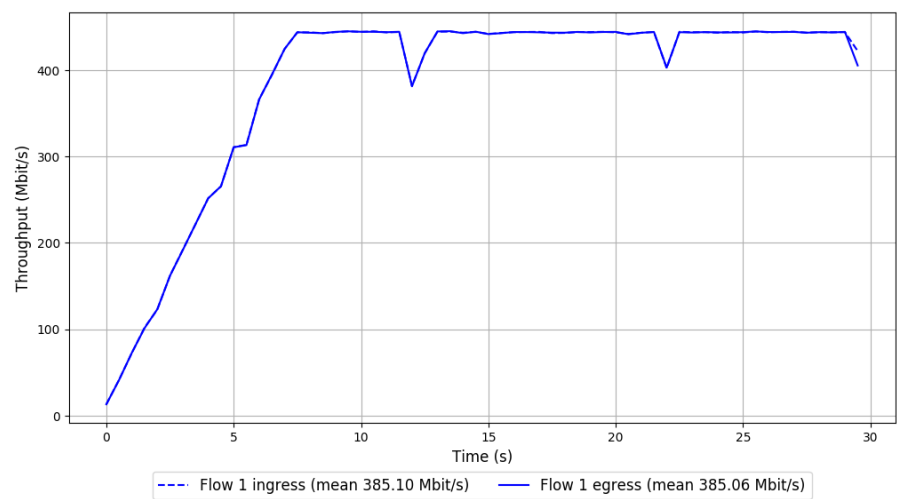
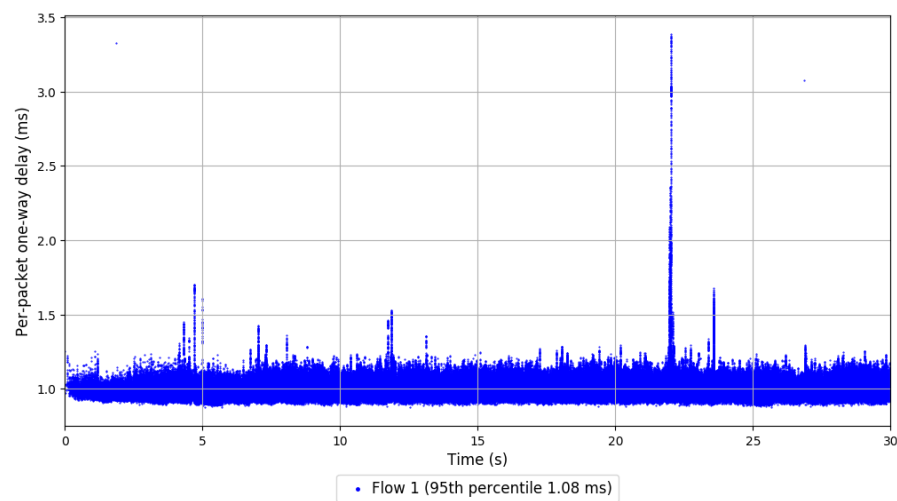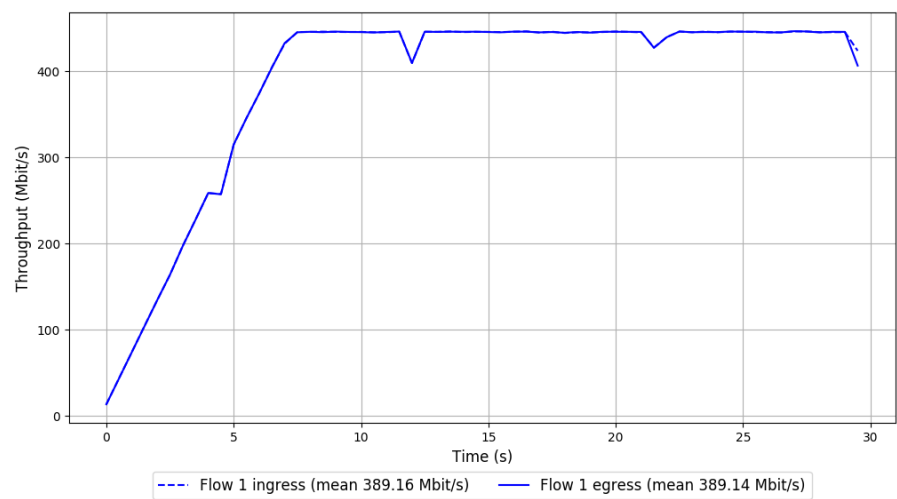# Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 385.03 Mbit/s) ---- Flow 1 egress (mean 385.00 Mbit/s) ——

Flow 1 (95th percentile 1.26 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2017-09-21 11:04:39
End at: 2017-09-21 11:05:09
Local clock offset: -0.14 ms
Remote clock offset: -1.56 ms


# Below is generated by plot.py at 2017-09-21 16:15:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.06 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 385.06 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.08%
```

Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 385.10 Mbit/s)   Flow 1 egress (mean 385.06 Mbit/s)

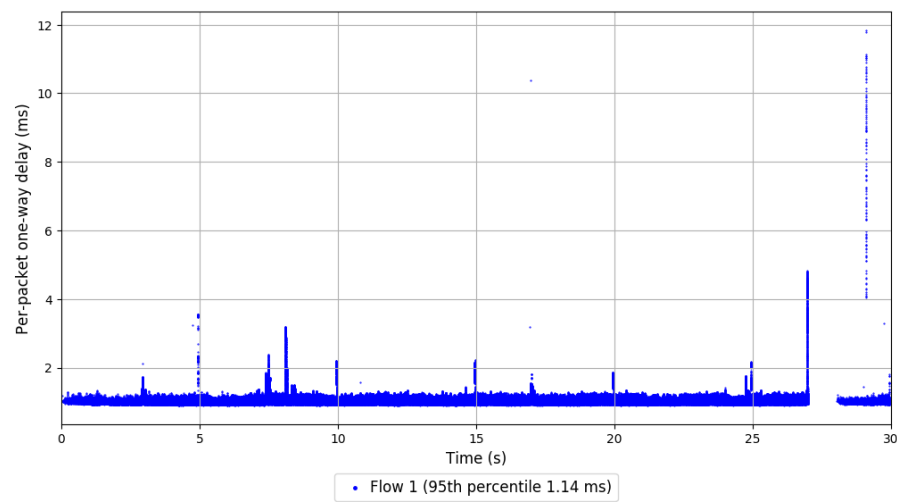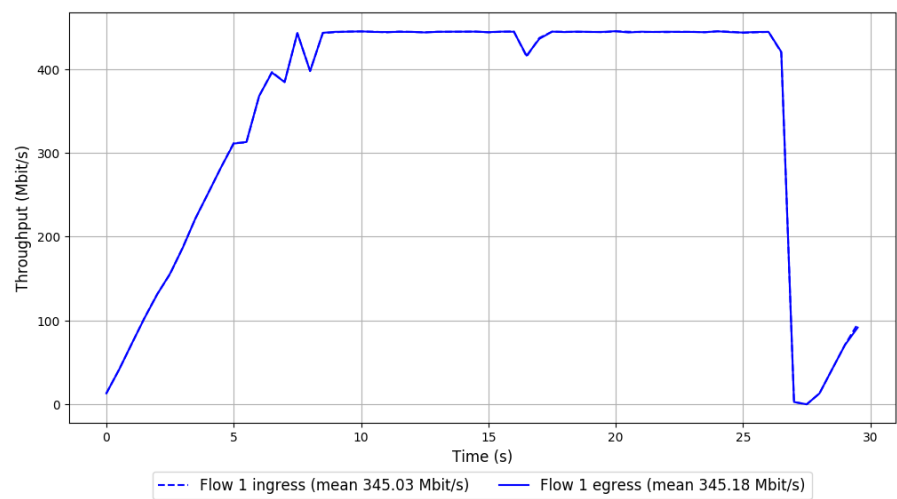Flow 1 (95th percentile 1.26 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2017-09-21 11:23:51
End at: 2017-09-21 11:24:21
Local clock offset: -0.295 ms
Remote clock offset: -1.652 ms


# Below is generated by plot.py at 2017-09-21 16:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.14 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 389.14 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.08%
```

Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 389.16 Mbit/s)   Flow 1 egress (mean 389.14 Mbit/s)

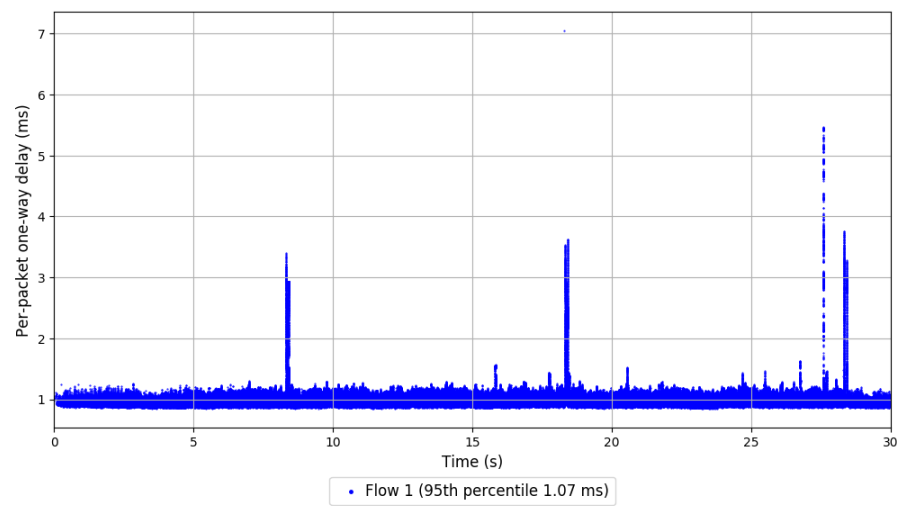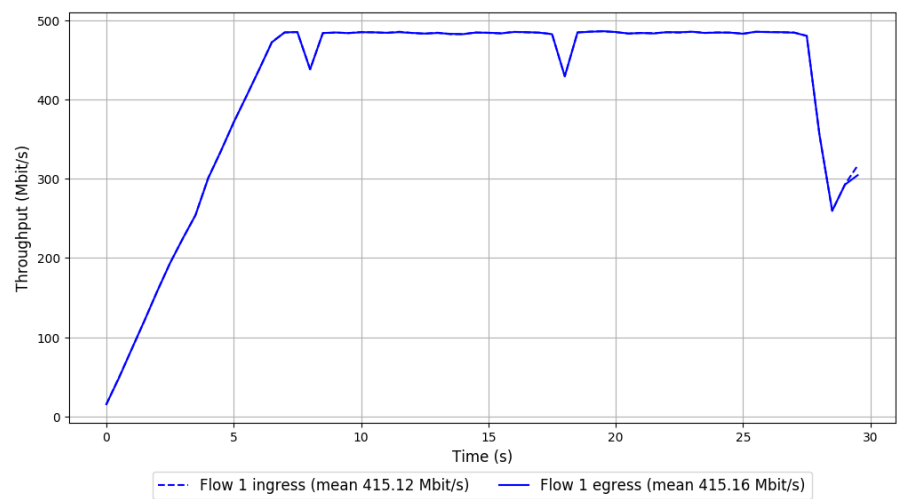Flow 1 (95th percentile 1.08 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2017-09-21 11:43:09
End at: 2017-09-21 11:43:39
Local clock offset: -0.317 ms
Remote clock offset: -1.713 ms


# Below is generated by plot.py at 2017-09-21 16:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.18 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 345.18 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.02%
```

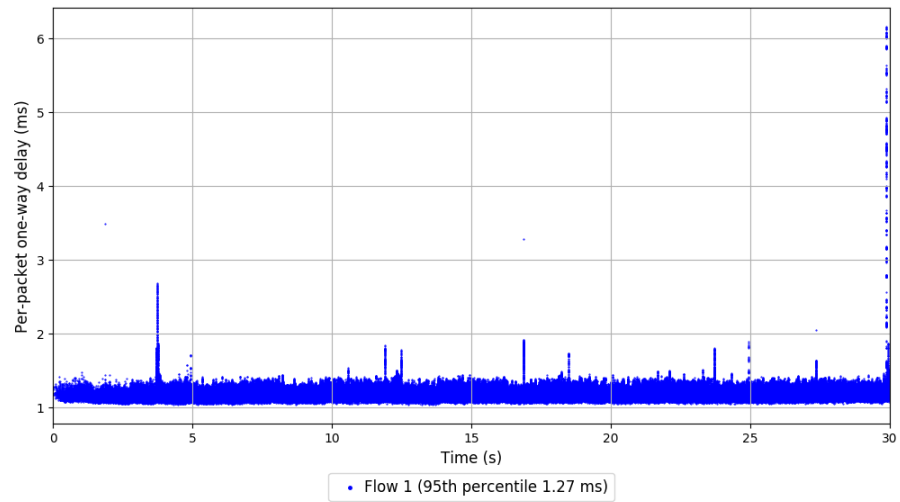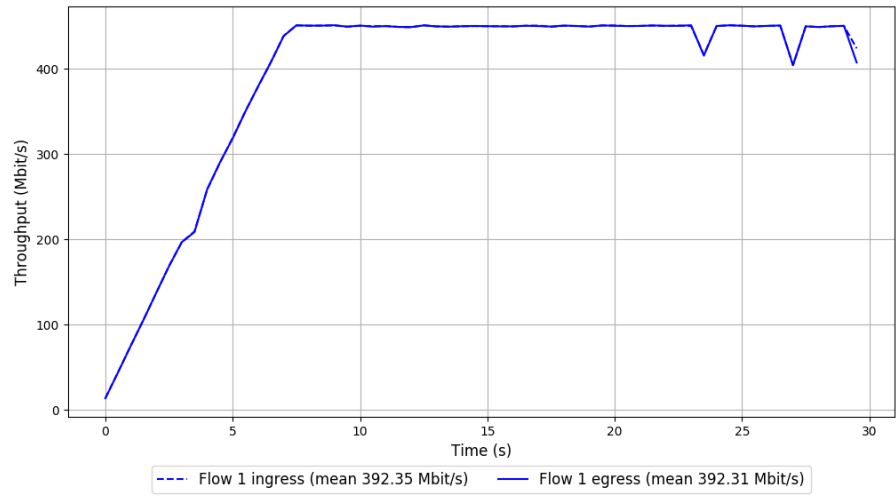# Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 345.03 Mbit/s) —— Flow 1 egress (mean 345.18 Mbit/s)

• Flow 1 (95th percentile 1.14 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2017-09-21 12:02:17
End at: 2017-09-21 12:02:48
Local clock offset: -0.319 ms
Remote clock offset: -1.443 ms


# Below is generated by plot.py at 2017-09-21 16:17:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 415.16 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 415.16 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.05%
```

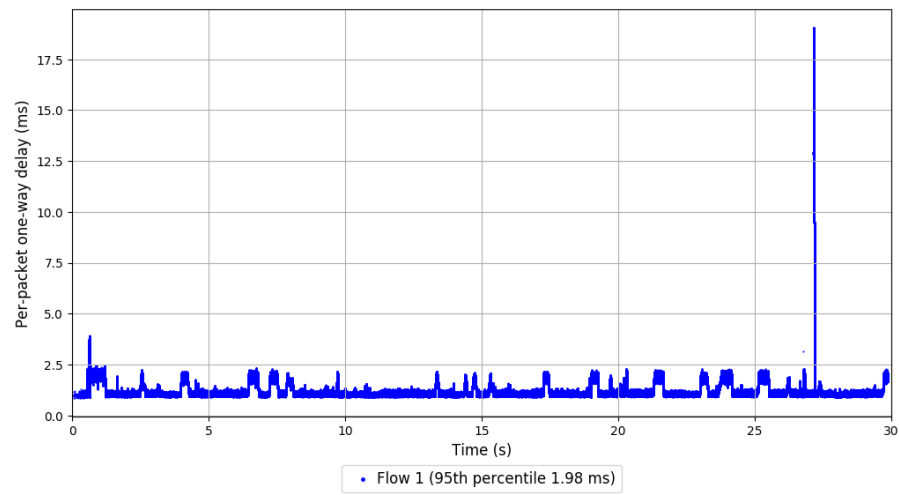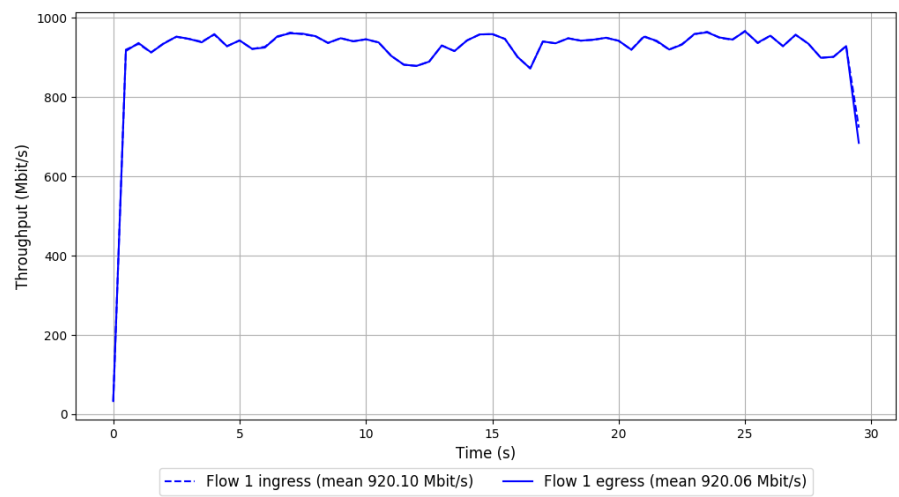# Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 415.12 Mbit/s)   Flow 1 egress (mean 415.16 Mbit/s)

• Flow 1 (95th percentile 1.07 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2017-09-21 12:21:55
End at: 2017-09-21 12:22:25
Local clock offset: -0.172 ms
Remote clock offset: -1.715 ms


# Below is generated by plot.py at 2017-09-21 16:17:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 392.31 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 392.31 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.08%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 392.35 Mbit/s)   Flow 1 egress (mean 392.31 Mbit/s)

• Flow 1 (95th percentile 1.27 ms)

```
Run 1: Statistics of PCC

Start at: 2017-09-21 09:23:09
End at: 2017-09-21 09:23:39
Local clock offset: -0.332 ms
Remote clock offset: -2.209 ms


# Below is generated by plot.py at 2017-09-21 16:24:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 920.06 Mbit/s
95th percentile per-packet one-way delay: 1.978 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 920.06 Mbit/s
95th percentile per-packet one-way delay: 1.978 ms
Loss rate: 0.07%
```
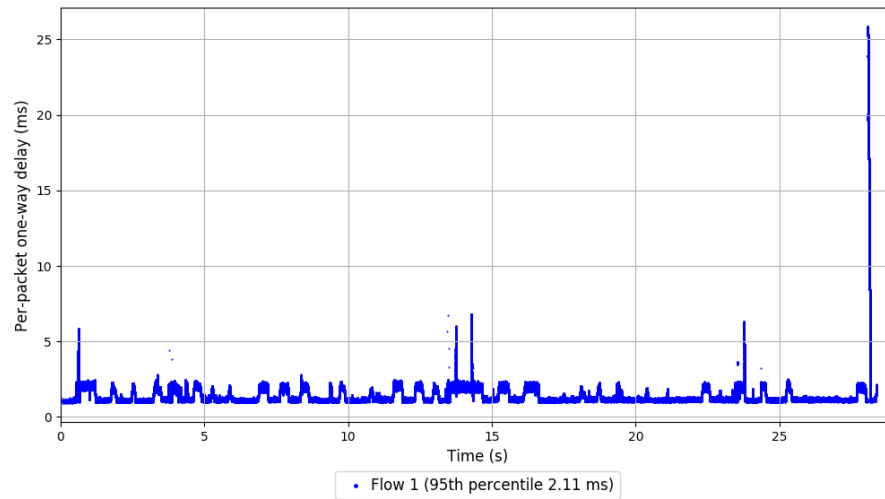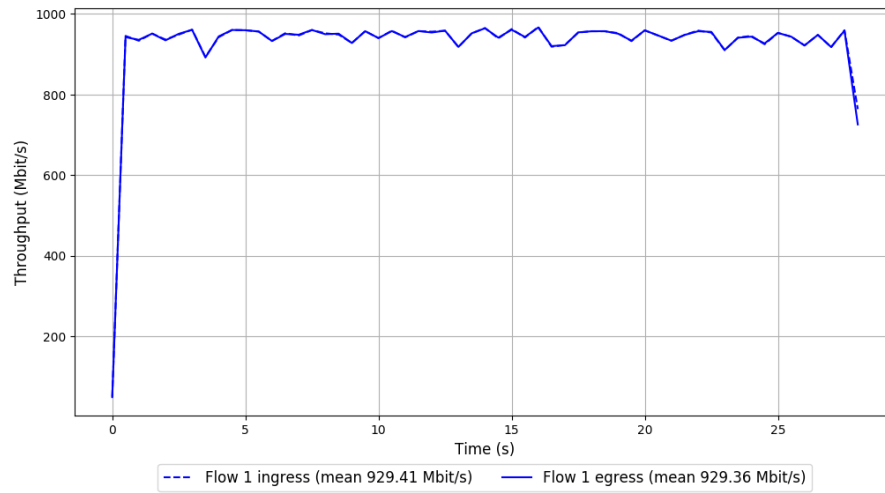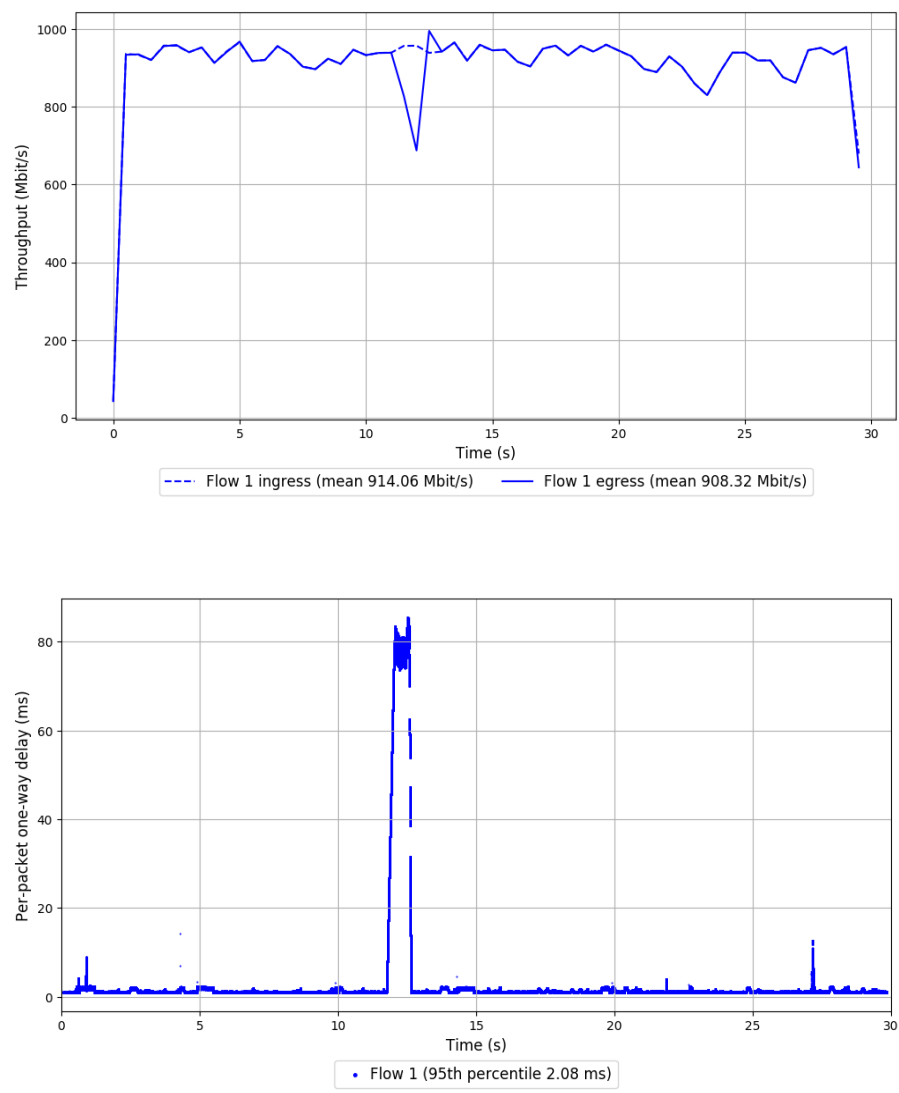
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 920.10 Mbit/s)   Flow 1 egress (mean 920.06 Mbit/s)
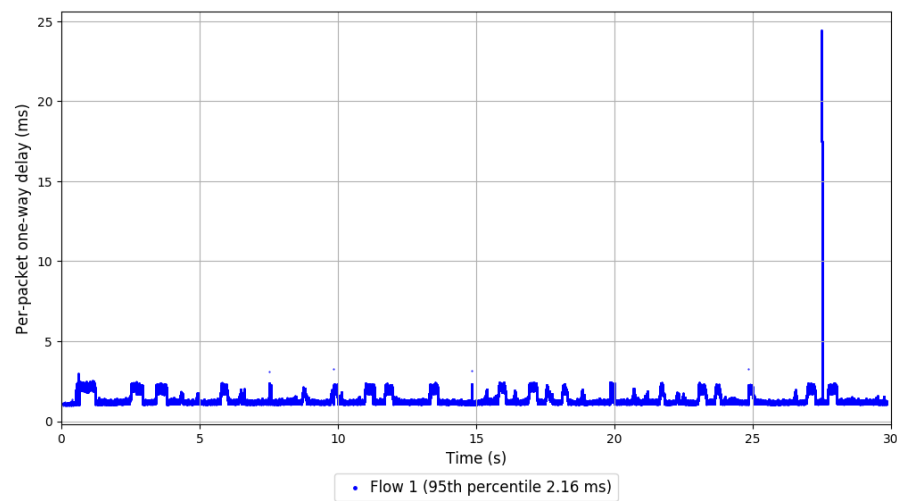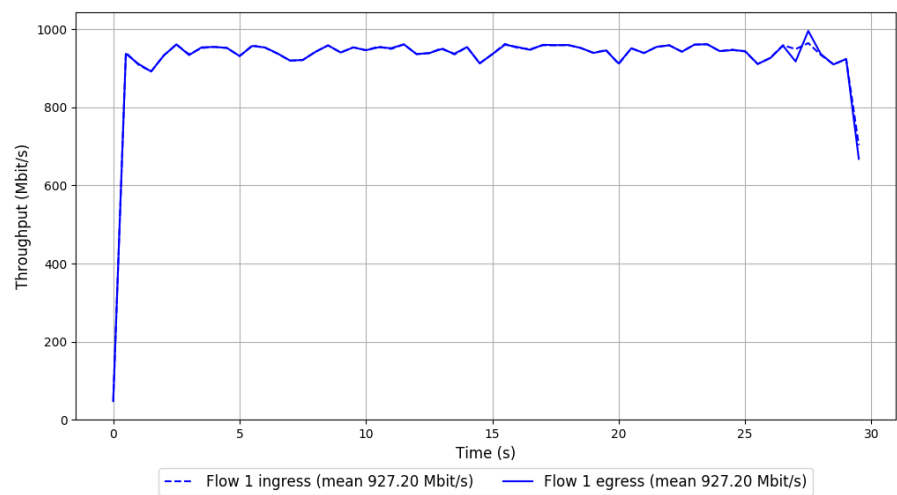

• Flow 1 (95th percentile 1.98 ms)

```
Run 2: Statistics of PCC

Start at: 2017-09-21 09:42:26
End at: 2017-09-21 09:42:56
Local clock offset: -0.286 ms
Remote clock offset: -1.82 ms


# Below is generated by plot.py at 2017-09-21 16:24:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 929.36 Mbit/s
95th percentile per-packet one-way delay: 2.107 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 929.36 Mbit/s
95th percentile per-packet one-way delay: 2.107 ms
Loss rate: 0.08%
```

Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 929.41 Mbit/s) --- Flow 1 egress (mean 929.36 Mbit/s)
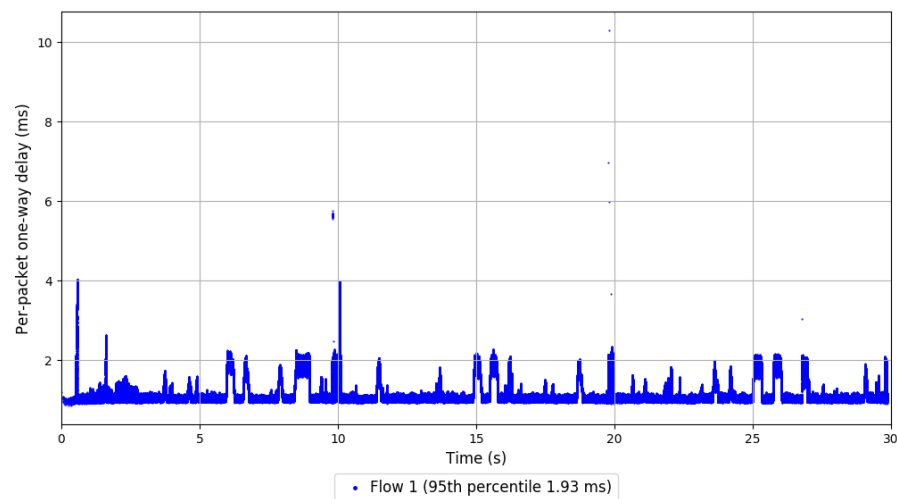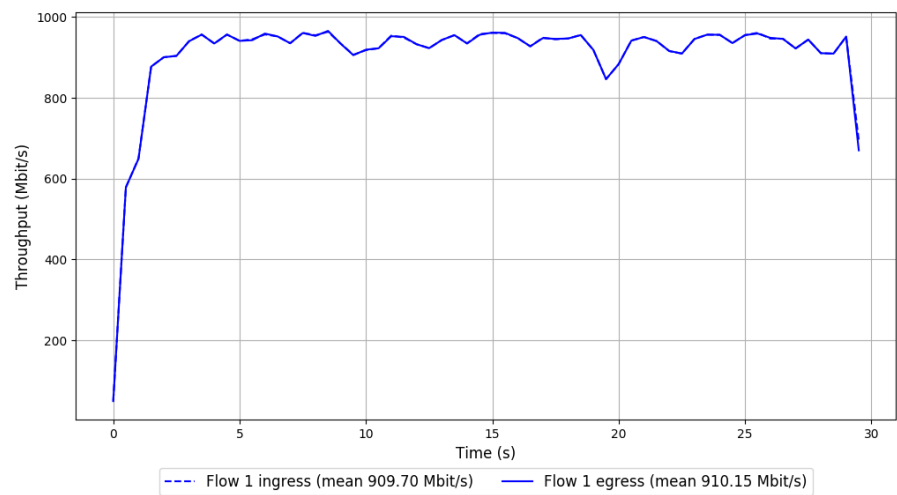

Flow 1 (95th percentile 2.11 ms)

```
Run 3: Statistics of PCC

Start at: 2017-09-21 10:01:56
End at: 2017-09-21 10:02:27
Local clock offset: -0.178 ms
Remote clock offset: -1.721 ms


# Below is generated by plot.py at 2017-09-21 16:28:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 908.32 Mbit/s
95th percentile per-packet one-way delay: 2.084 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 908.32 Mbit/s
95th percentile per-packet one-way delay: 2.084 ms
Loss rate: 0.69%
```

Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 914.06 Mbit/s) — Flow 1 egress (mean 908.32 Mbit/s)

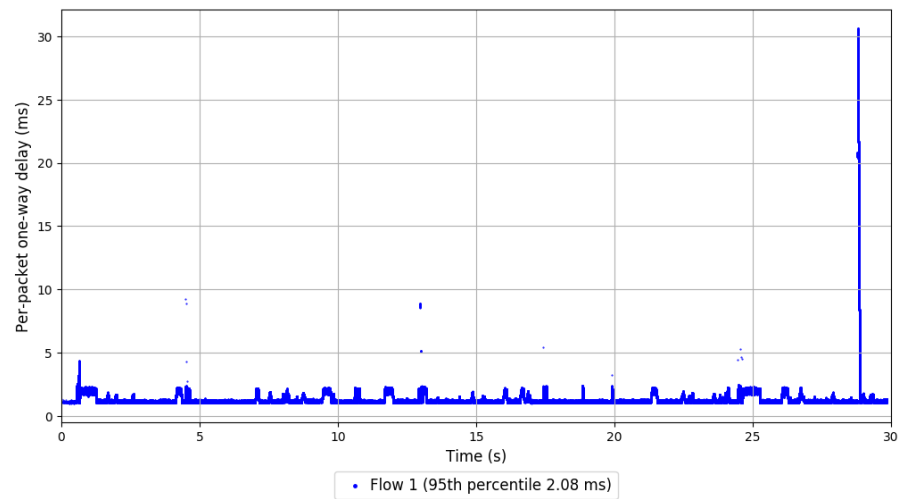
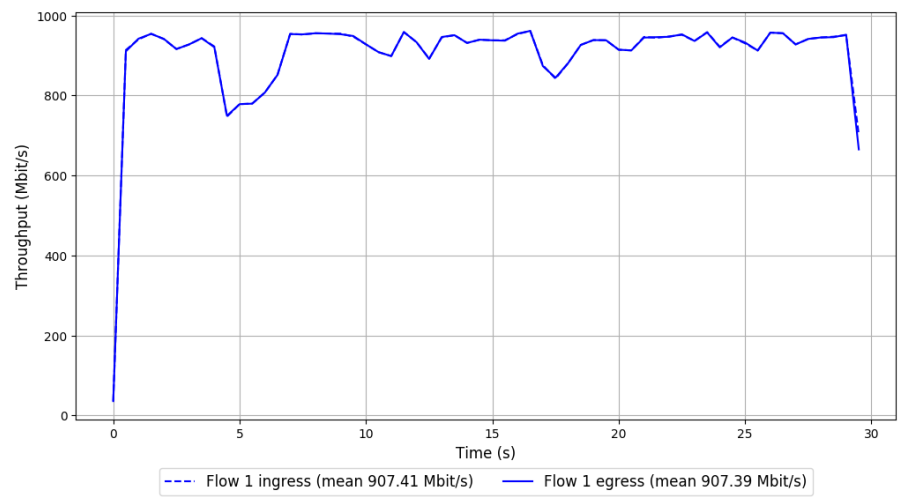• Flow 1 (95th percentile 2.08 ms)

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```
Run 4: Statistics of PCC

Start at: 2017-09-21 10:21:06
End at: 2017-09-21 10:21:36
Local clock offset: -0.035 ms
Remote clock offset: -1.468 ms


# Below is generated by plot.py at 2017-09-21 16:29:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 927.20 Mbit/s
95th percentile per-packet one-way delay: 2.157 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 927.20 Mbit/s
95th percentile per-packet one-way delay: 2.157 ms
Loss rate: 0.07%
```
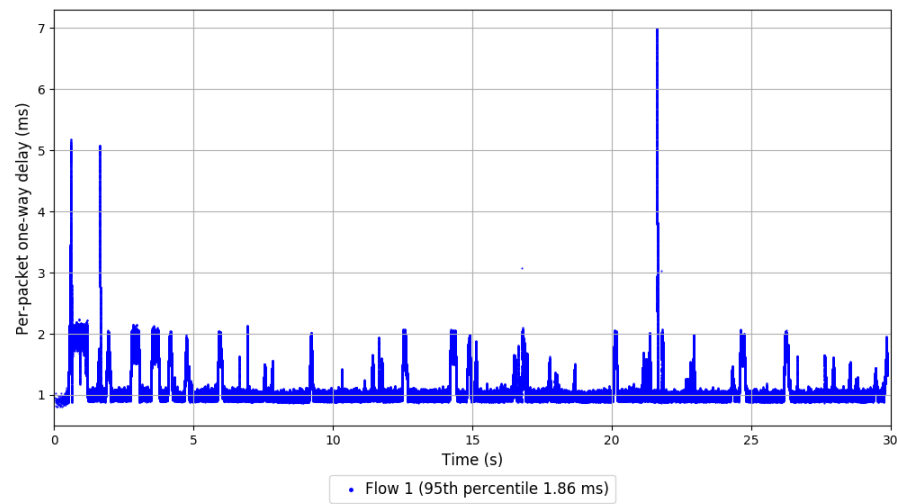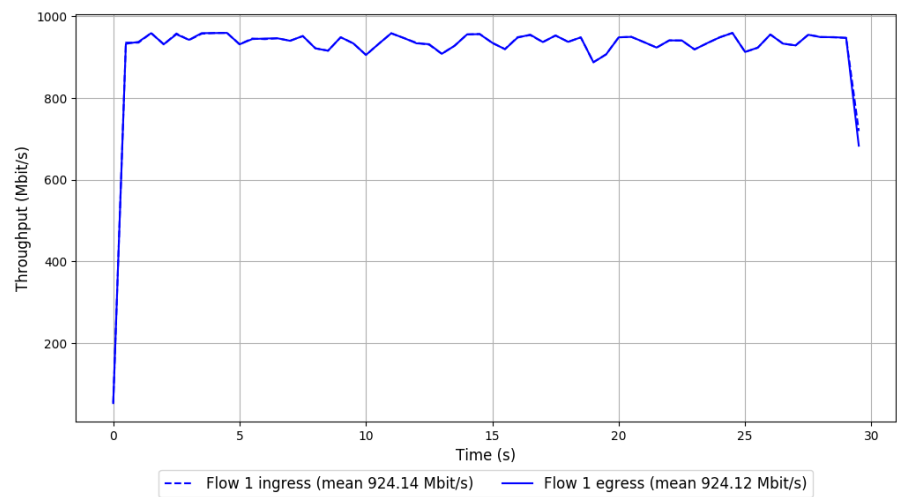
Run 4: Report of PCC — Data Link

```
Run 5: Statistics of PCC

Start at: 2017-09-21 10:40:26
End at: 2017-09-21 10:40:56
Local clock offset: -0.028 ms
Remote clock offset: -1.231 ms


# Below is generated by plot.py at 2017-09-21 16:29:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 910.15 Mbit/s
95th percentile per-packet one-way delay: 1.925 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 910.15 Mbit/s
95th percentile per-packet one-way delay: 1.925 ms
Loss rate: 0.05%
```

Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 909.70 Mbit/s)   Flow 1 egress (mean 910.15 Mbit/s)

Flow 1 (95th percentile 1.93 ms)

```
Run 6: Statistics of PCC

Start at: 2017-09-21 10:59:51
End at: 2017-09-21 11:00:21
Local clock offset: -0.142 ms
Remote clock offset: -1.543 ms

# Below is generated by plot.py at 2017-09-21 16:29:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 907.39 Mbit/s
95th percentile per-packet one-way delay: 2.081 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 907.39 Mbit/s
95th percentile per-packet one-way delay: 2.081 ms
Loss rate: 0.07%
```
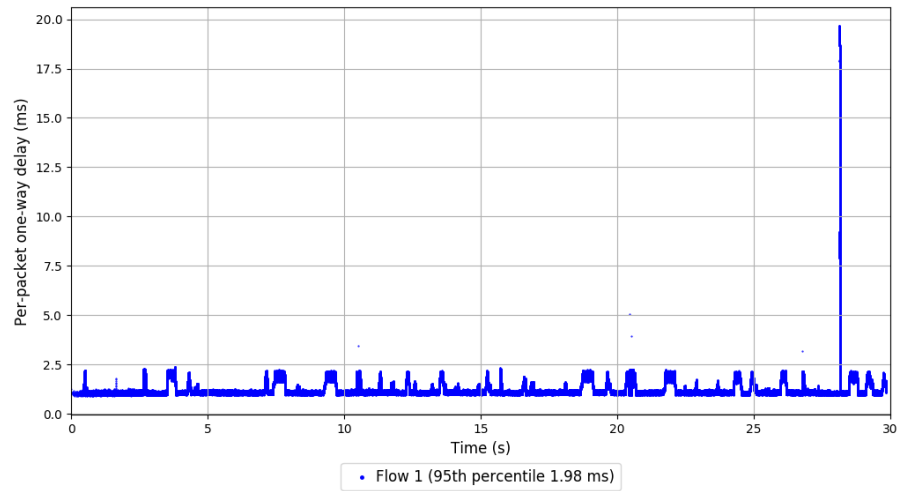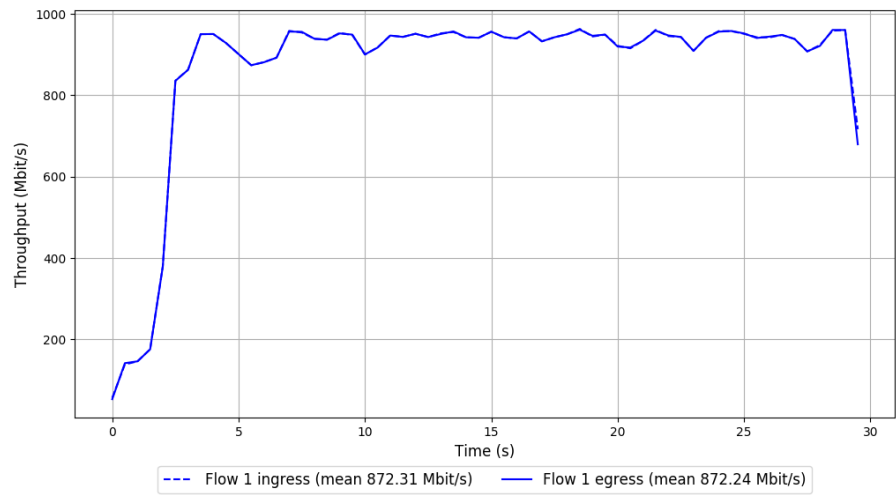
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 907.41 Mbit/s)   Flow 1 egress (mean 907.39 Mbit/s)

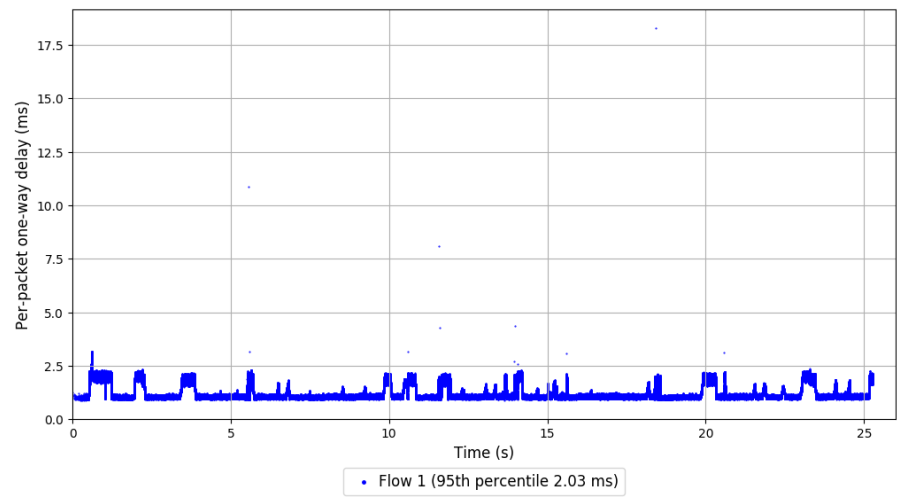

Flow 1 (95th percentile 2.08 ms)

```
Run 7: Statistics of PCC

Start at: 2017-09-21 11:19:00
End at: 2017-09-21 11:19:30
Local clock offset: -0.297 ms
Remote clock offset: -1.525 ms


# Below is generated by plot.py at 2017-09-21 16:30:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 924.12 Mbit/s
95th percentile per-packet one-way delay: 1.858 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 924.12 Mbit/s
95th percentile per-packet one-way delay: 1.858 ms
Loss rate: 0.07%
```
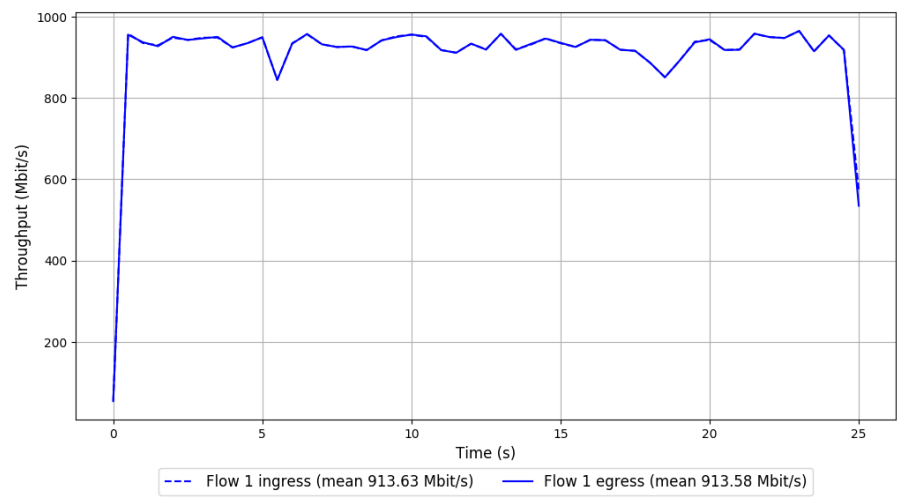
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 924.14 Mbit/s) --- Flow 1 egress (mean 924.12 Mbit/s)

Flow 1 (95th percentile 1.86 ms)

```
Run 8: Statistics of PCC

Start at: 2017-09-21 11:38:20
End at: 2017-09-21 11:38:50
Local clock offset: -0.221 ms
Remote clock offset: -1.576 ms


# Below is generated by plot.py at 2017-09-21 16:30:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 872.24 Mbit/s
95th percentile per-packet one-way delay: 1.984 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 872.24 Mbit/s
95th percentile per-packet one-way delay: 1.984 ms
Loss rate: 0.08%
```
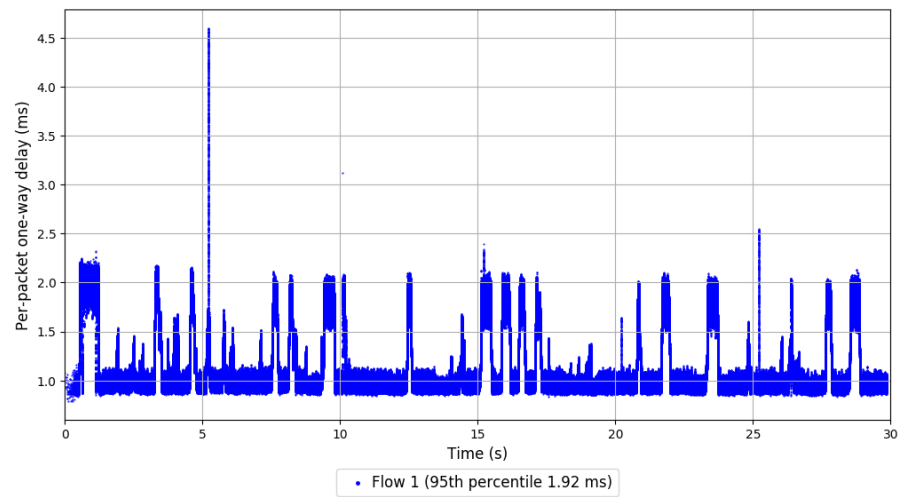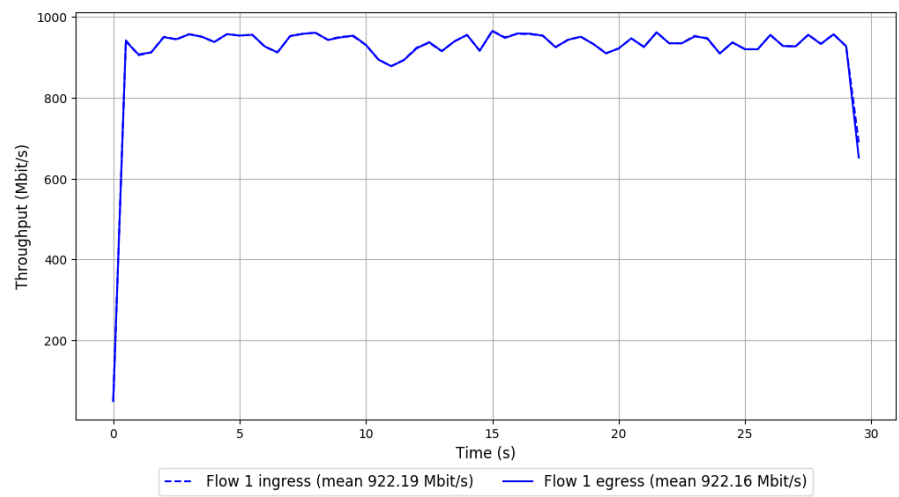
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 872.31 Mbit/s) --- Flow 1 egress (mean 872.24 Mbit/s)

• Flow 1 (95th percentile 1.98 ms)

79

```
Run 9: Statistics of PCC

Start at: 2017-09-21 11:57:31
End at: 2017-09-21 11:58:01
Local clock offset: -0.201 ms
Remote clock offset: -1.453 ms


# Below is generated by plot.py at 2017-09-21 16:36:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 913.58 Mbit/s
95th percentile per-packet one-way delay: 2.026 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 913.58 Mbit/s
95th percentile per-packet one-way delay: 2.026 ms
Loss rate: 0.09%
```
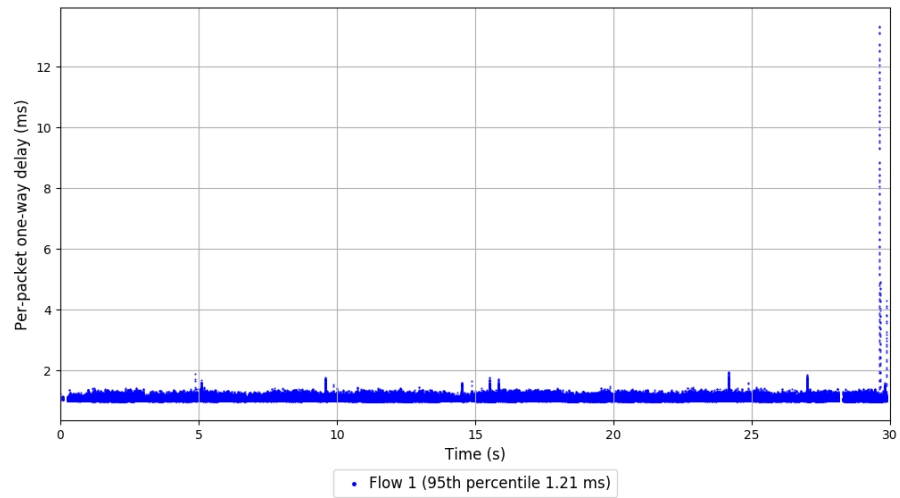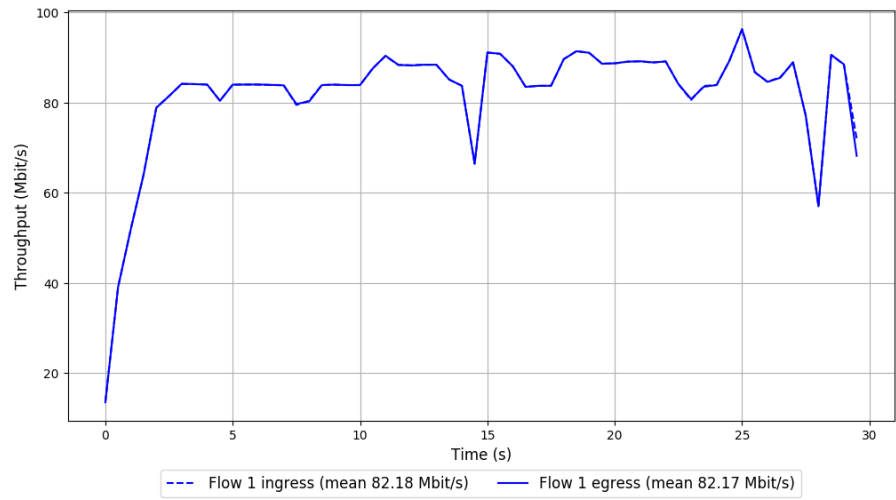
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 913.63 Mbit/s) --- Flow 1 egress (mean 913.58 Mbit/s)

Flow 1 (95th percentile 2.03 ms)

```
Run 10: Statistics of PCC

Start at: 2017-09-21 12:17:04
End at: 2017-09-21 12:17:34
Local clock offset: -0.299 ms
Remote clock offset: -1.61 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 922.16 Mbit/s
95th percentile per-packet one-way delay: 1.917 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 922.16 Mbit/s
95th percentile per-packet one-way delay: 1.917 ms
Loss rate: 0.07%
```
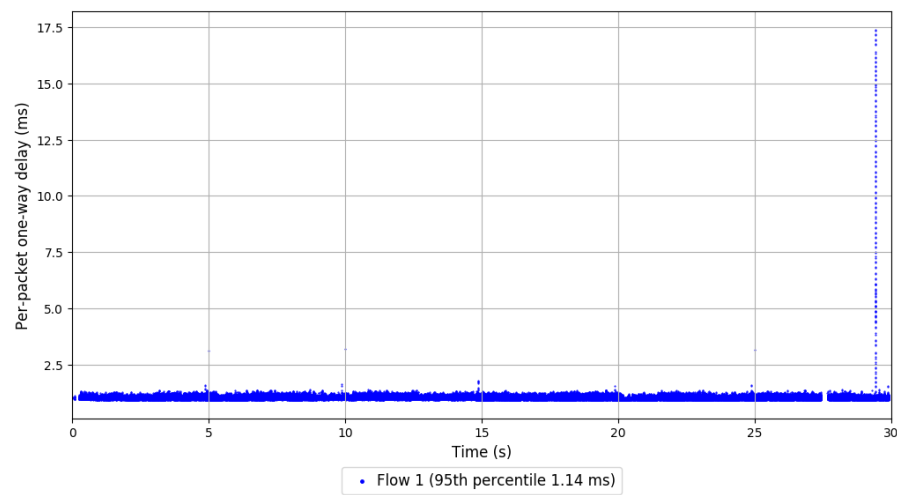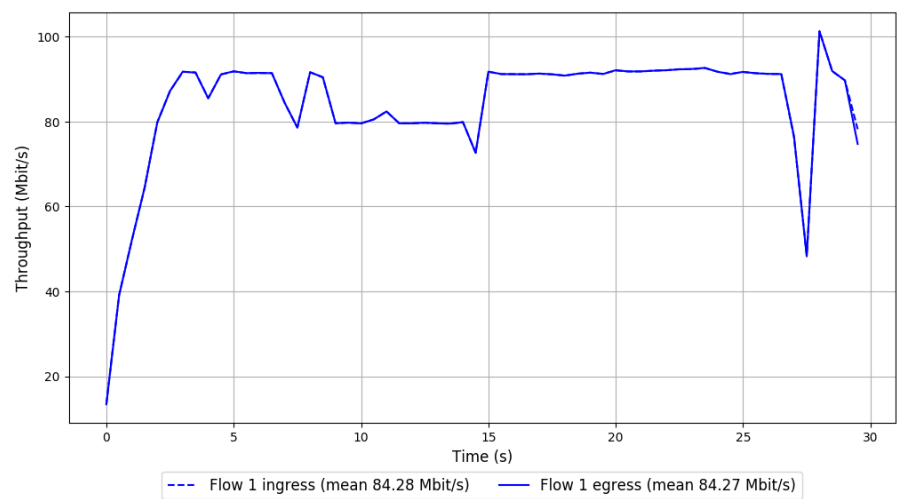
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 922.19 Mbit/s)   Flow 1 egress (mean 922.16 Mbit/s)

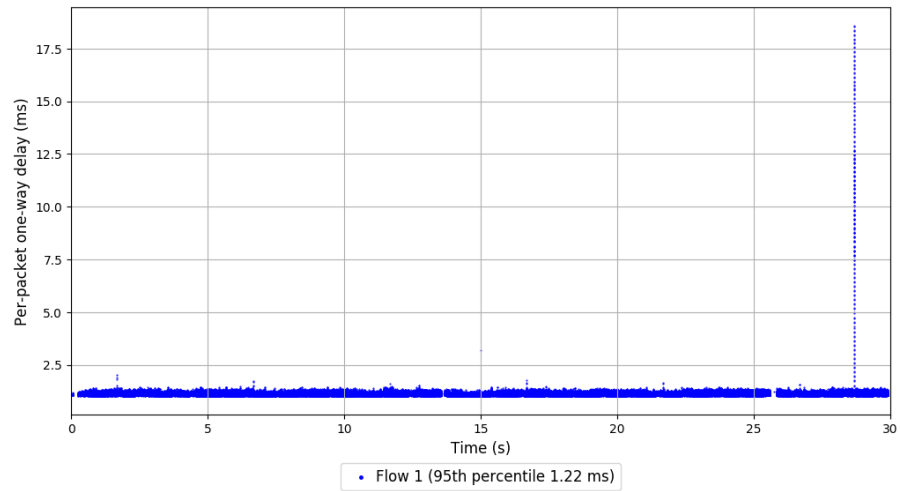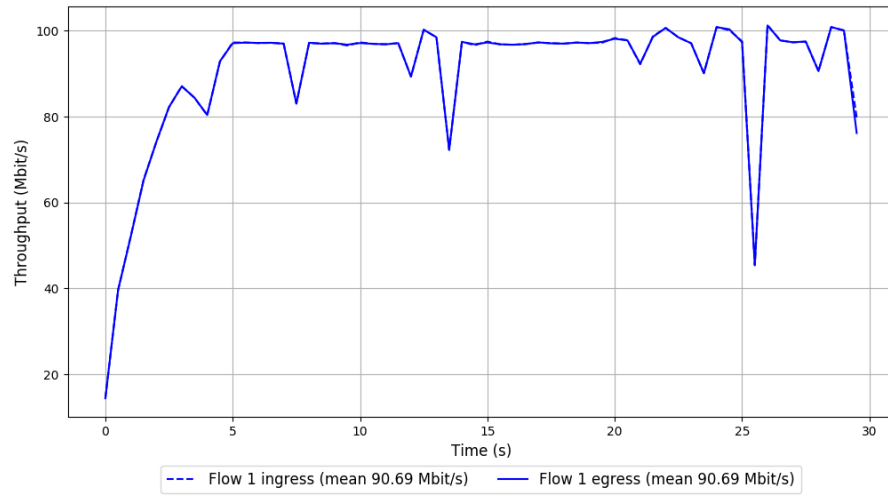Flow 1 (95th percentile 1.92 ms)

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 09:29:23
End at: 2017-09-21 09:29:53
Local clock offset: -0.212 ms
Remote clock offset: -2.072 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.17 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 82.17 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.08%
```

Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 09:48:43
End at: 2017-09-21 09:49:13
Local clock offset: -0.242 ms
Remote clock offset: -1.771 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.07%
```
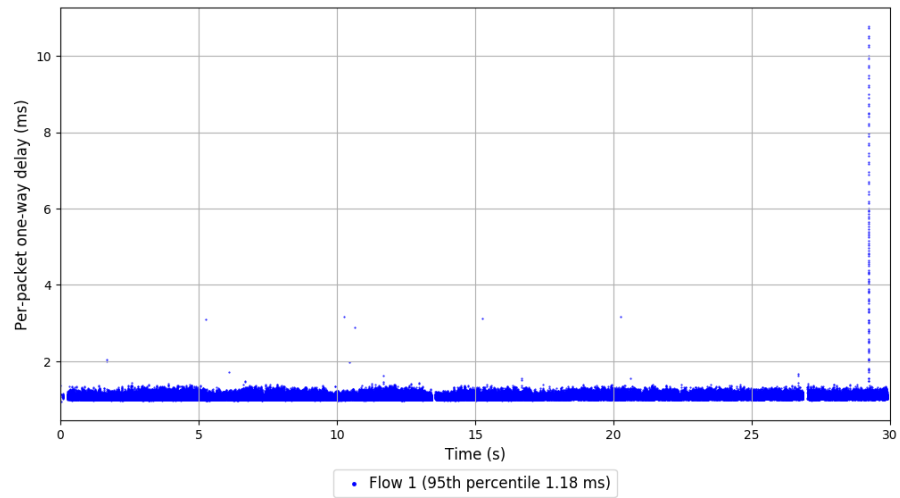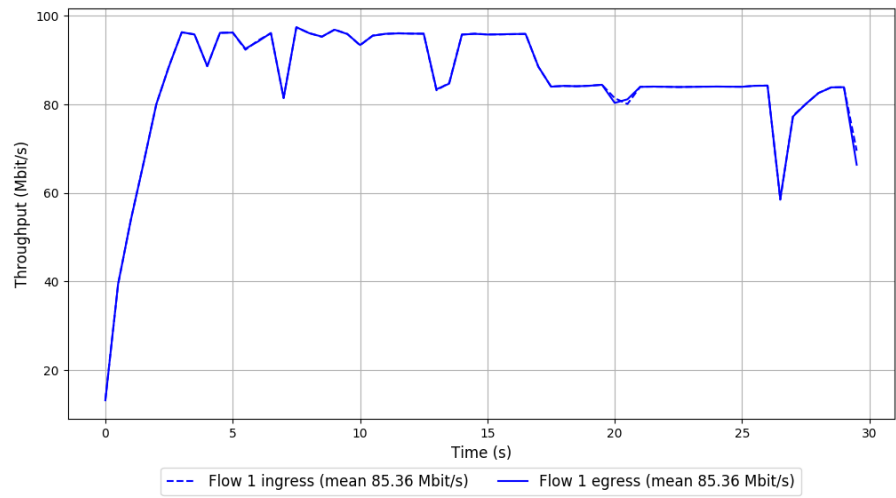
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 84.28 Mbit/s)   Flow 1 egress (mean 84.27 Mbit/s)

Flow 1 (95th percentile 1.14 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 10:08:13
End at: 2017-09-21 10:08:43
Local clock offset: -0.057 ms
Remote clock offset: -1.644 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.07%
```

Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 90.69 Mbit/s)   Flow 1 egress (mean 90.69 Mbit/s)

• Flow 1 (95th percentile 1.22 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-09-21 10:27:25
End at: 2017-09-21 10:27:55
Local clock offset: -0.047 ms
Remote clock offset: -1.364 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.07%
```
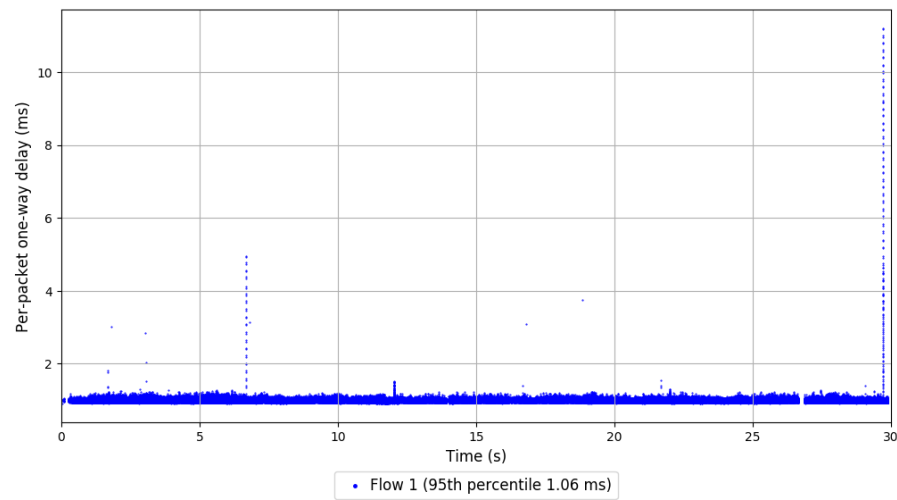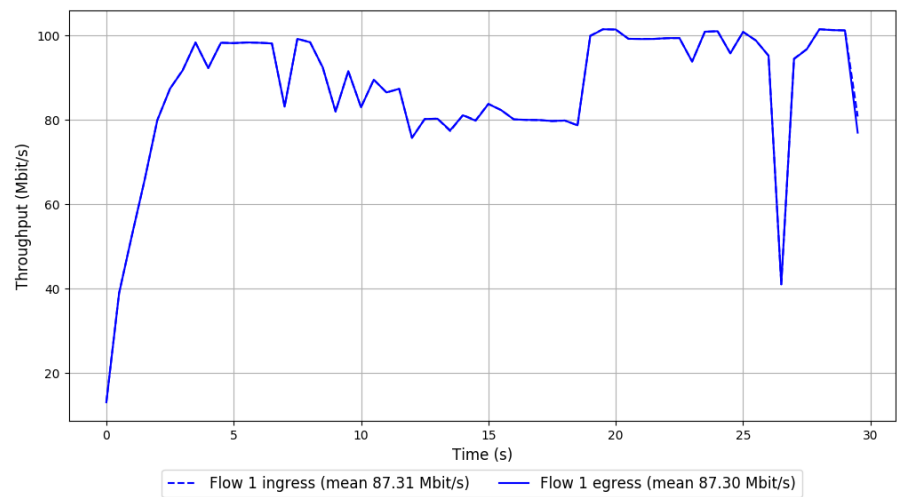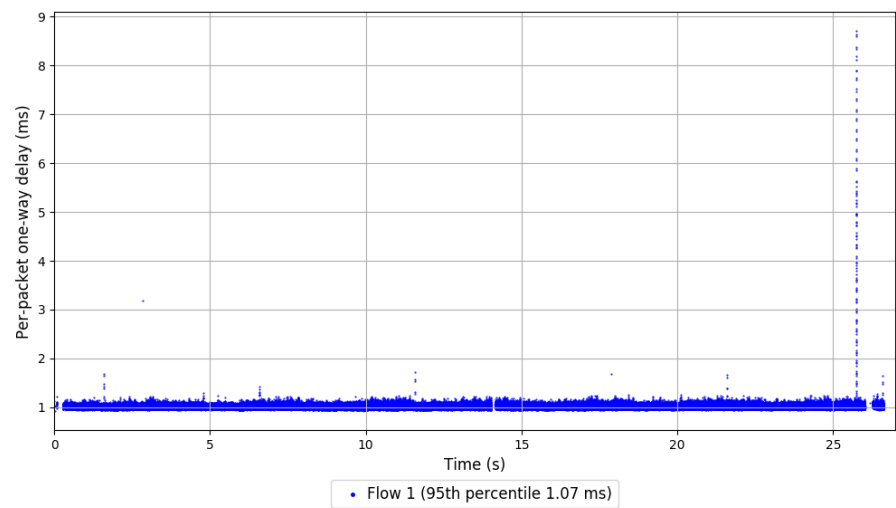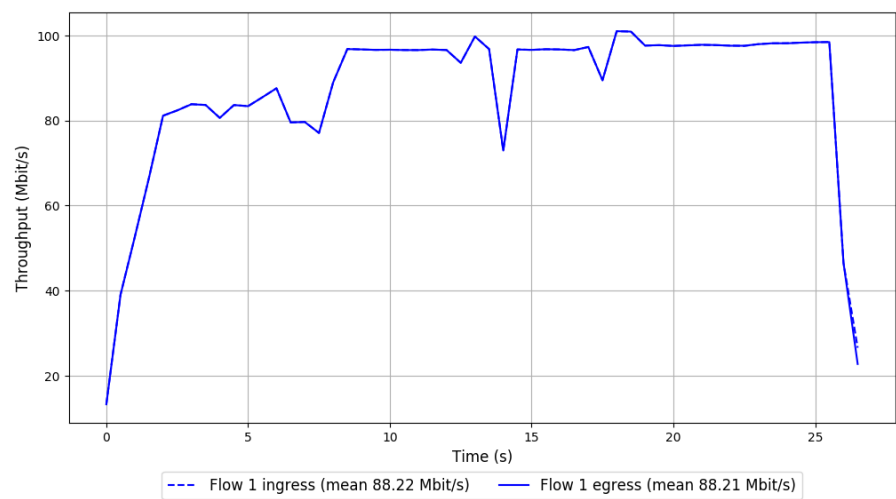
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 85.36 Mbit/s) — — — Flow 1 egress (mean 85.36 Mbit/s)

Flow 1 (95th percentile 1.18 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-09-21 10:46:41
End at: 2017-09-21 10:47:11
Local clock offset: -0.063 ms
Remote clock offset: -1.323 ms
```
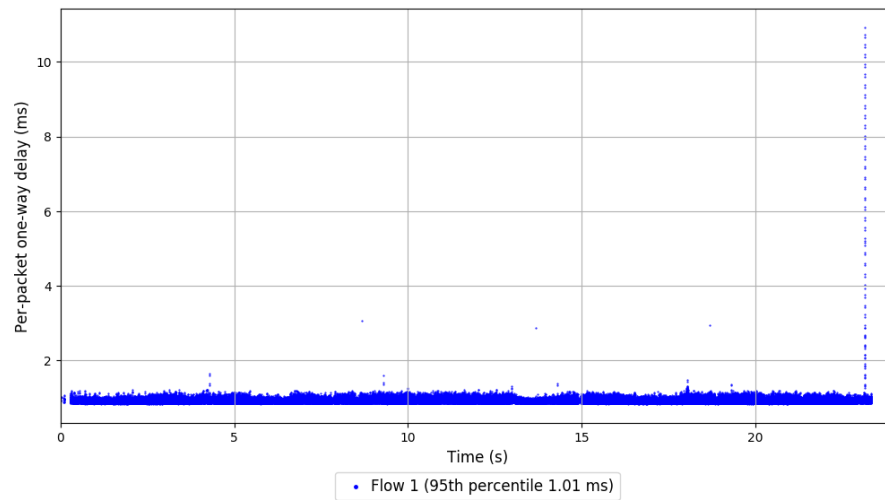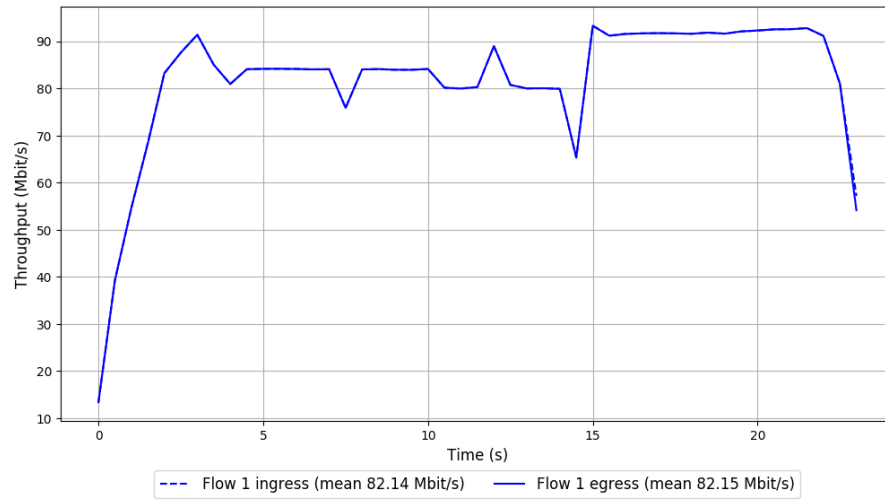
Run 5: Report of QUIC Cubic — Data Link

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-09-21 11:06:08
End at: 2017-09-21 11:06:38
Local clock offset: -0.16 ms
Remote clock offset: -1.47 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.08%
```

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 87.31 Mbit/s) --- Flow 1 egress (mean 87.30 Mbit/s)

Flow 1 (95th percentile 1.06 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-09-21 11:25:20
End at: 2017-09-21 11:25:50
Local clock offset: -0.2 ms
Remote clock offset: -1.617 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.21 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.21 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.09%
```
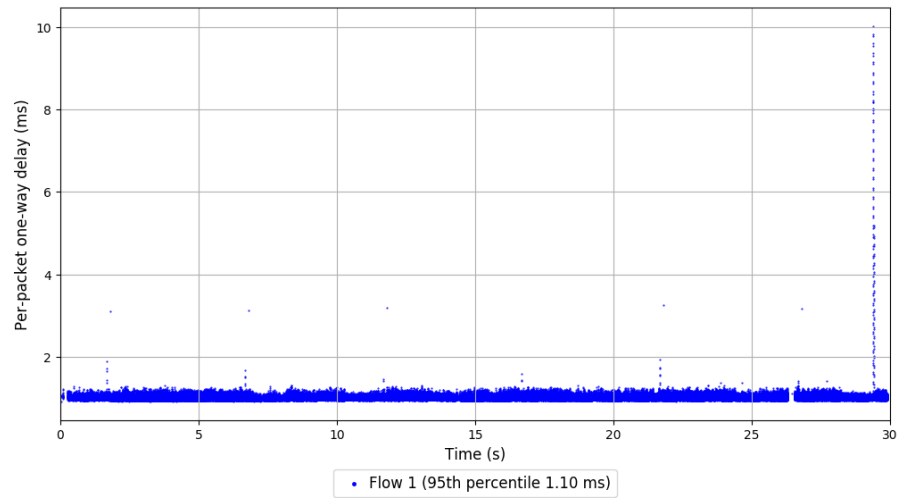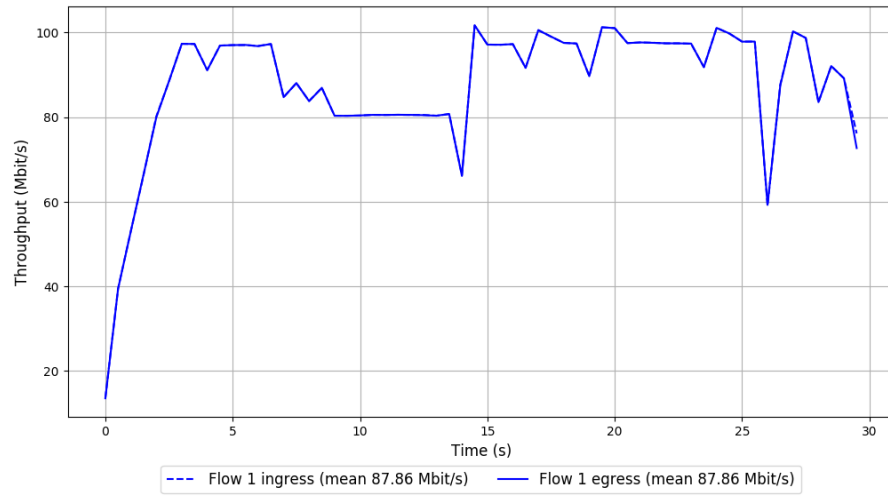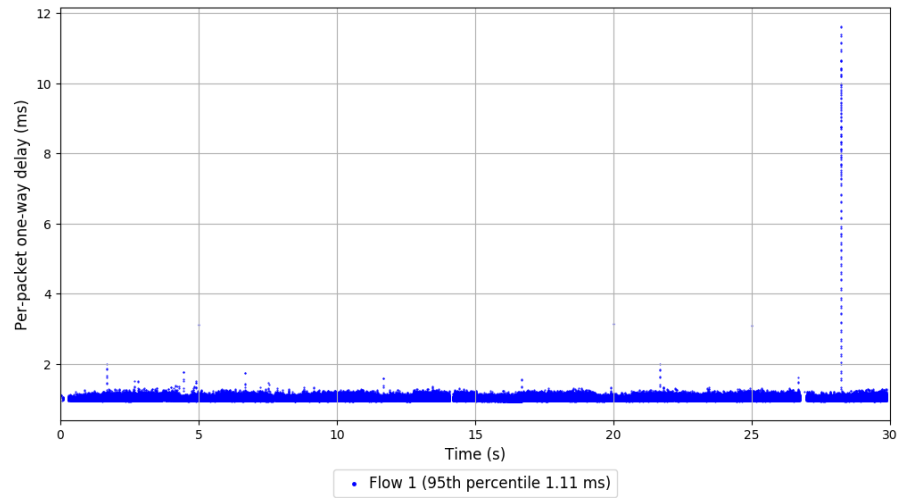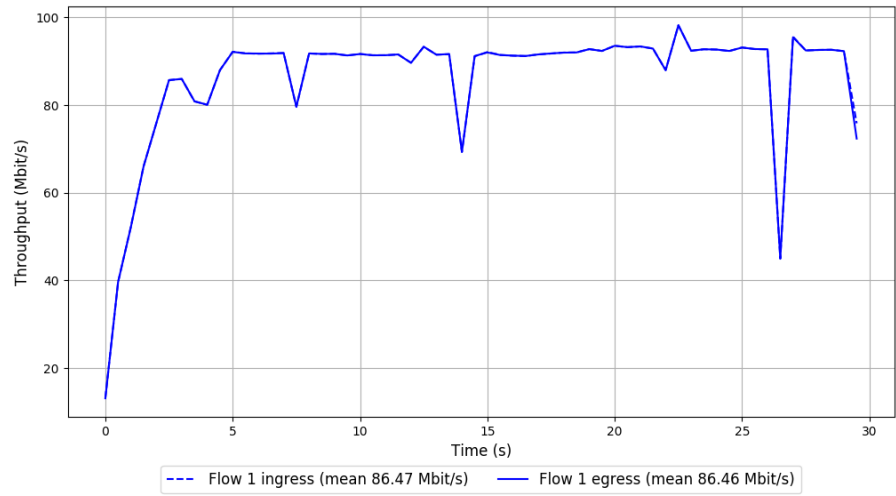
Run 7: Report of QUIC Cubic — Data Link

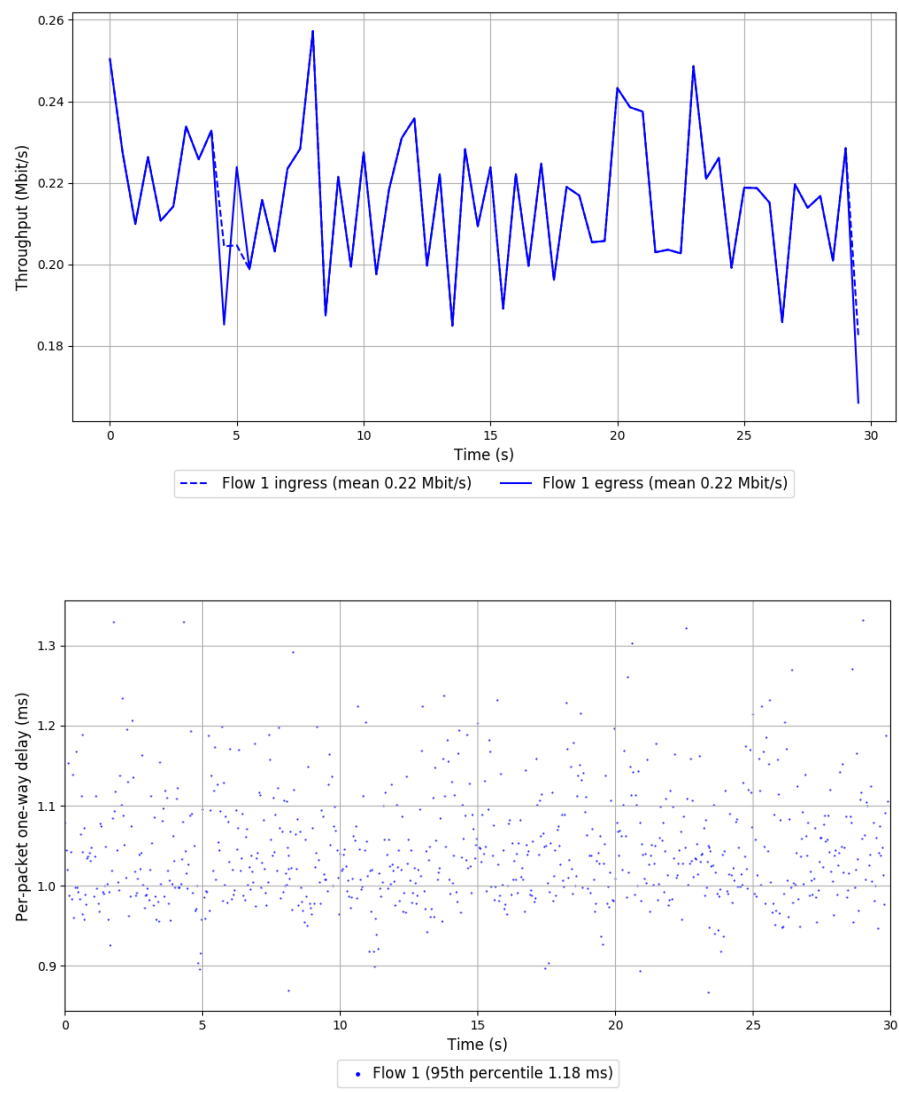Flow 1 ingress (mean 88.22 Mbit/s)   Flow 1 egress (mean 88.21 Mbit/s)

Flow 1 (95th percentile 1.07 ms)

Run 8: Statistics of QUIC Cubic

Start at: 2017-09-21 11:44:36
End at: 2017-09-21 11:45:06
Local clock offset: -0.298 ms
Remote clock offset: -1.632 ms

Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.14 Mbit/s)   Flow 1 egress (mean 82.15 Mbit/s)

Flow 1 (95th percentile 1.01 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-09-21 12:03:48
End at: 2017-09-21 12:04:18
Local clock offset: -0.215 ms
Remote clock offset: -1.398 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.07%
```
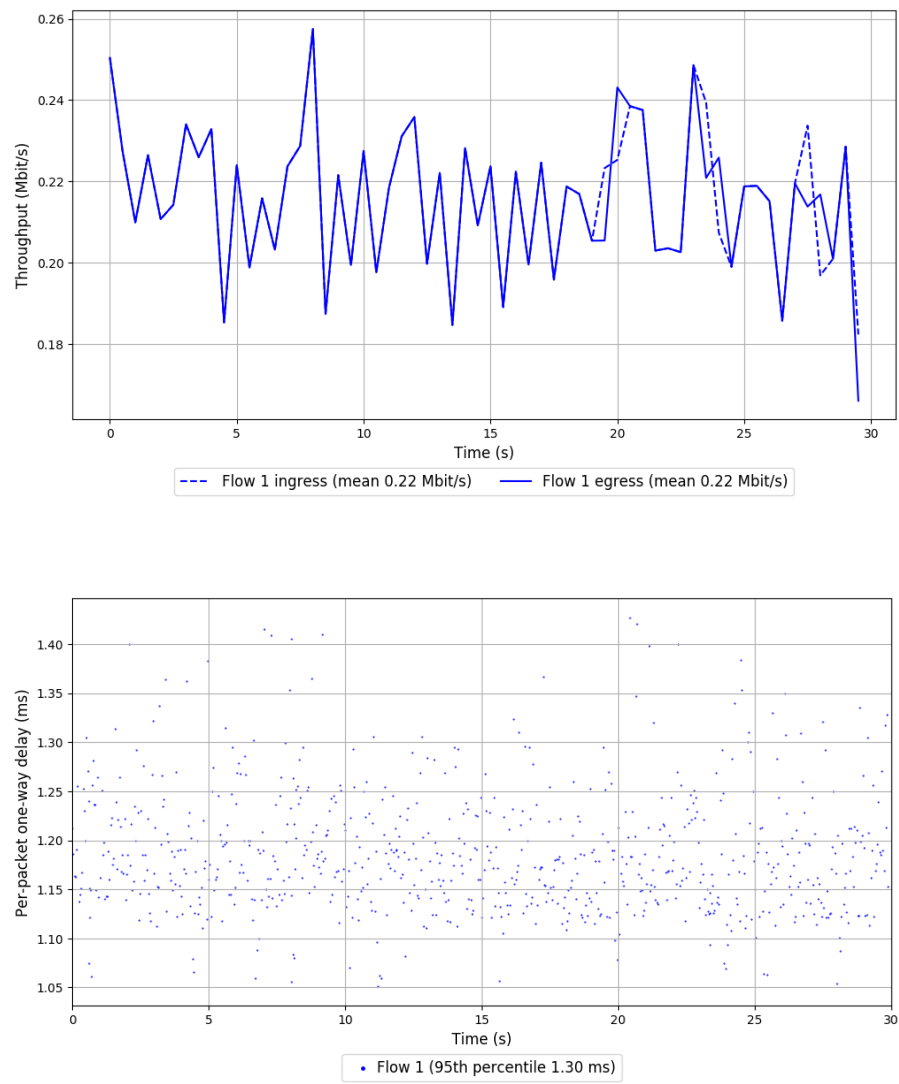
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 87.86 Mbit/s) --- Flow 1 egress (mean 87.86 Mbit/s)
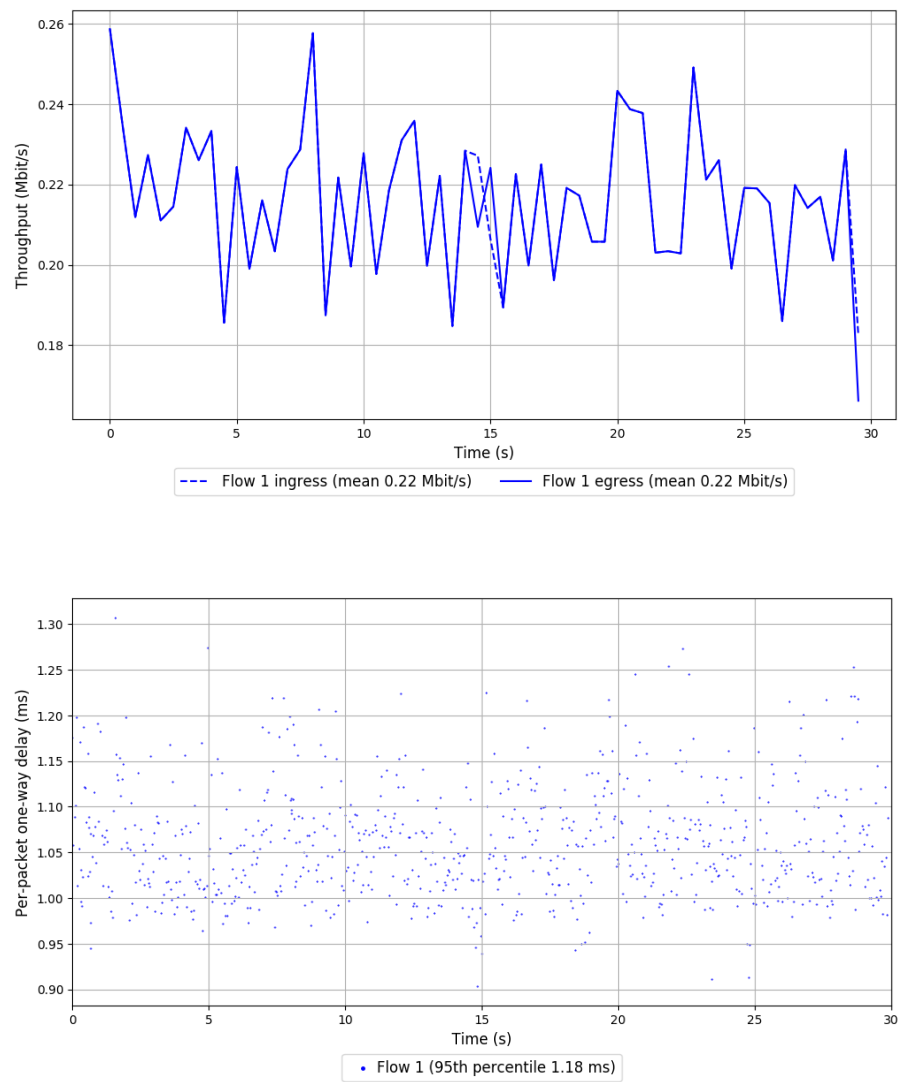

Flow 1 (95th percentile 1.10 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-09-21 12:23:24
End at: 2017-09-21 12:23:54
Local clock offset: -0.168 ms
Remote clock offset: -1.59 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.07%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 86.47 Mbit/s)   Flow 1 egress (mean 86.46 Mbit/s)

Flow 1 (95th percentile 1.11 ms)

```
Run 1: Statistics of SCReAM

Start at: 2017-09-21 09:33:25
End at: 2017-09-21 09:33:55
Local clock offset: -0.308 ms
Remote clock offset: -1.947 ms

# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.13%
```
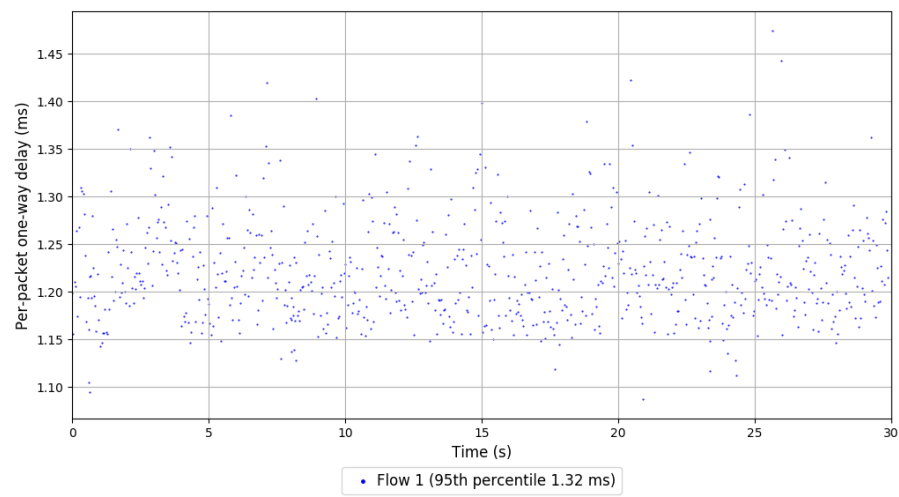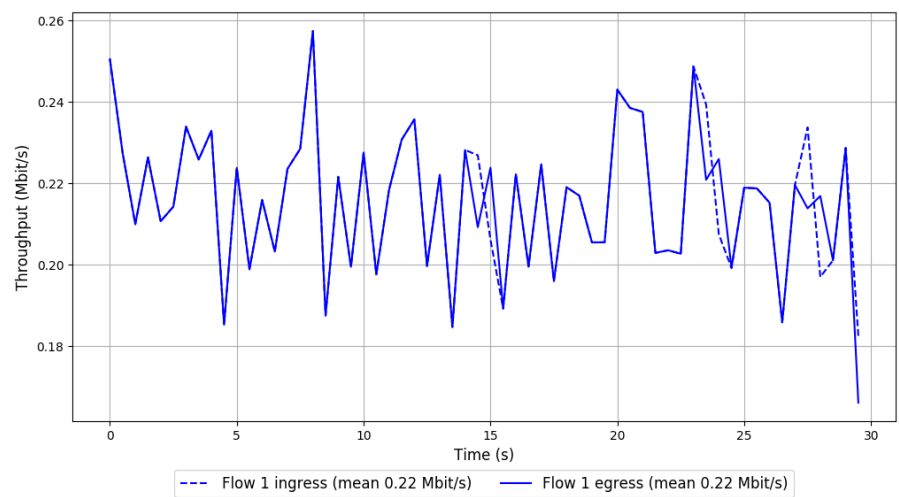
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2017-09-21 09:52:45
End at: 2017-09-21 09:53:16
Local clock offset: -0.112 ms
Remote clock offset: -1.758 ms

# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.13%
```
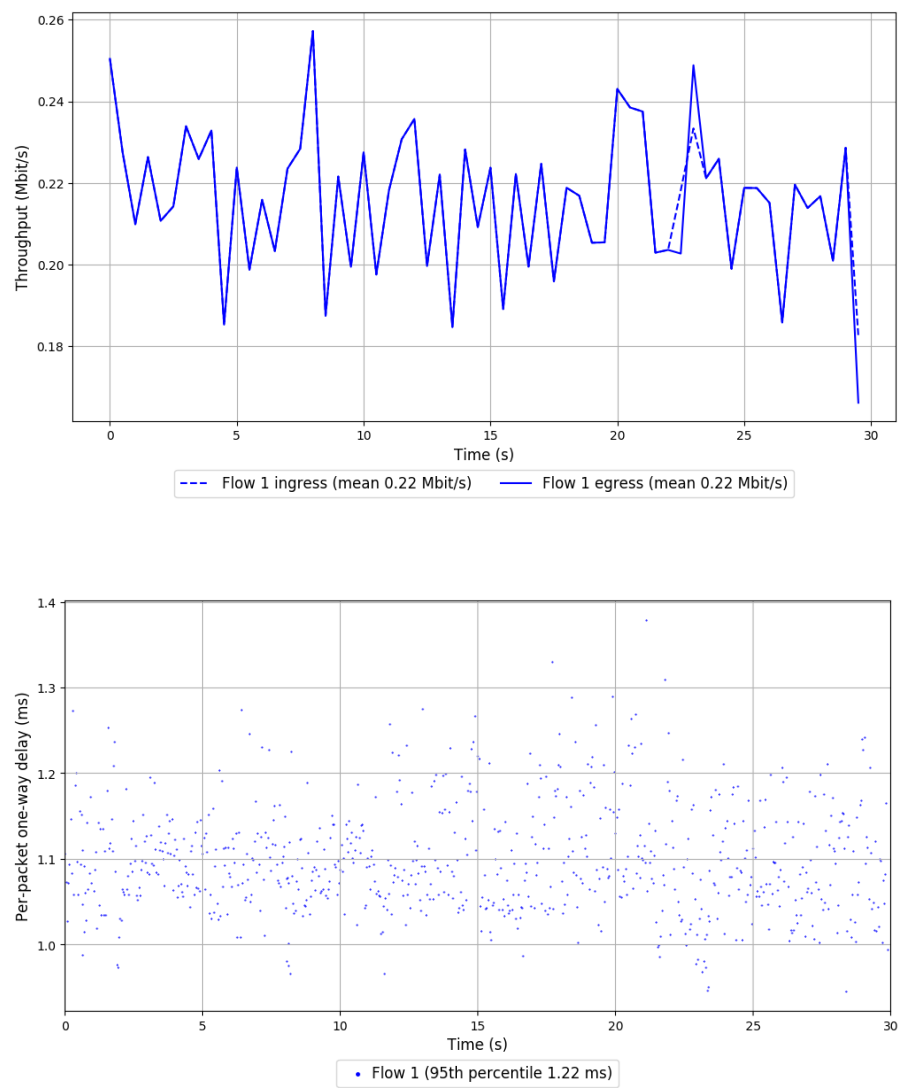
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2017-09-21 10:12:16
End at: 2017-09-21 10:12:46
Local clock offset: -0.142 ms
Remote clock offset: -1.507 ms

# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.13%
```
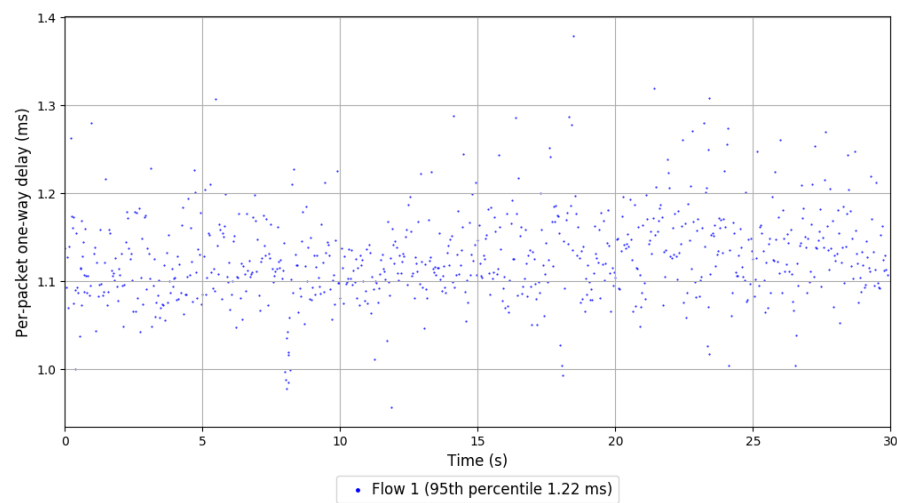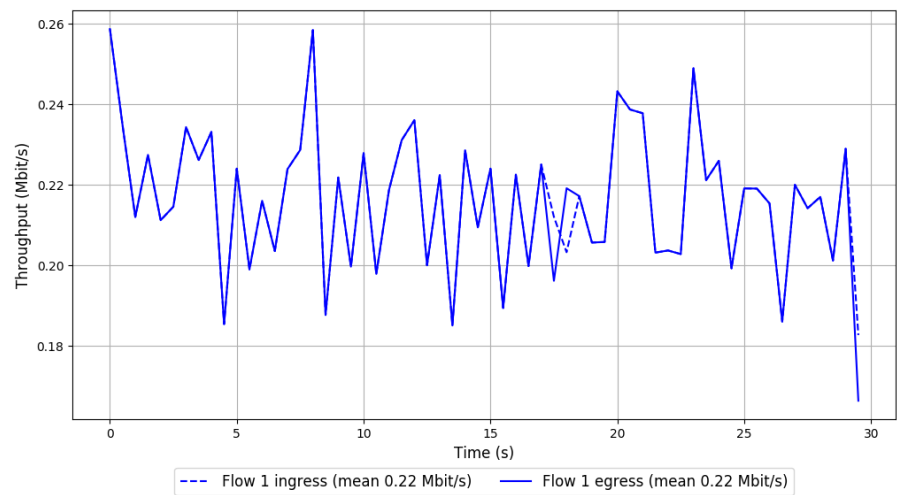
Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 1.18 ms)

```
Run 4: Statistics of SCReAM

Start at: 2017-09-21 10:31:28
End at: 2017-09-21 10:31:58
Local clock offset: -0.028 ms
Remote clock offset: -1.356 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.13%
```
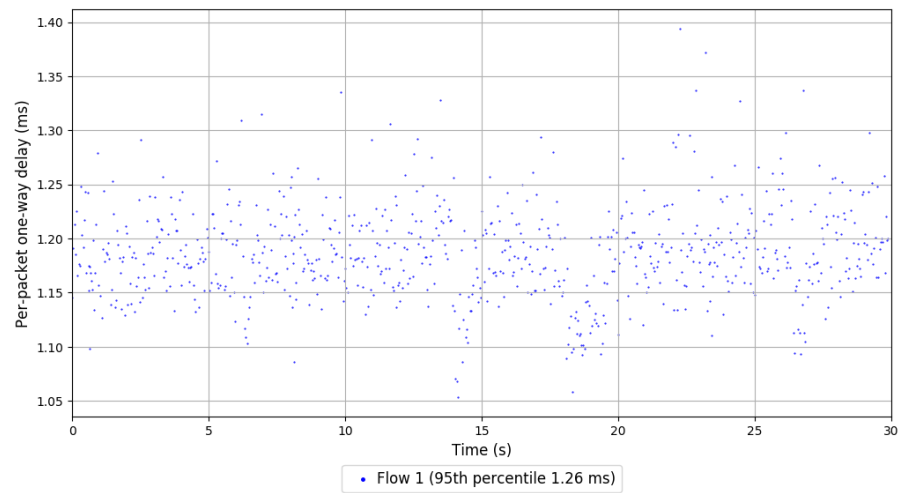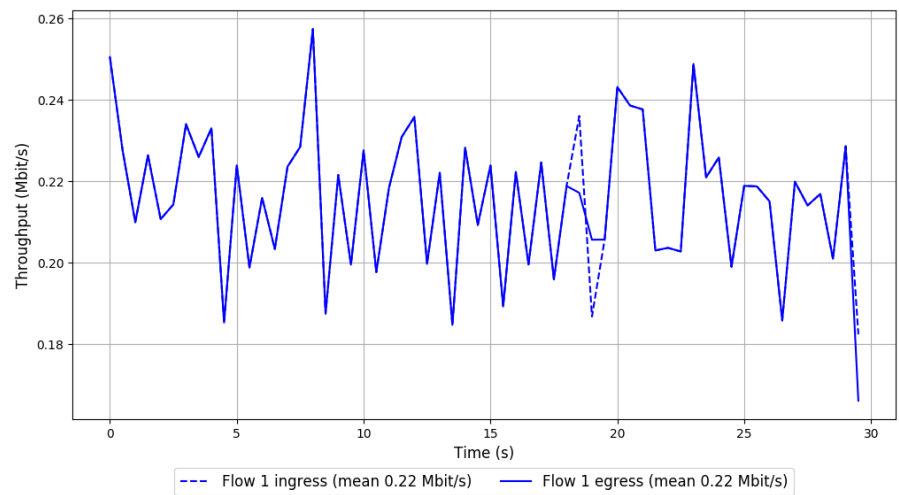
Run 4: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 1.32 ms)

```
Run 5: Statistics of SCReAM

Start at: 2017-09-21 10:50:44
End at: 2017-09-21 10:51:14
Local clock offset: -0.085 ms
Remote clock offset: -1.342 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.13%
```
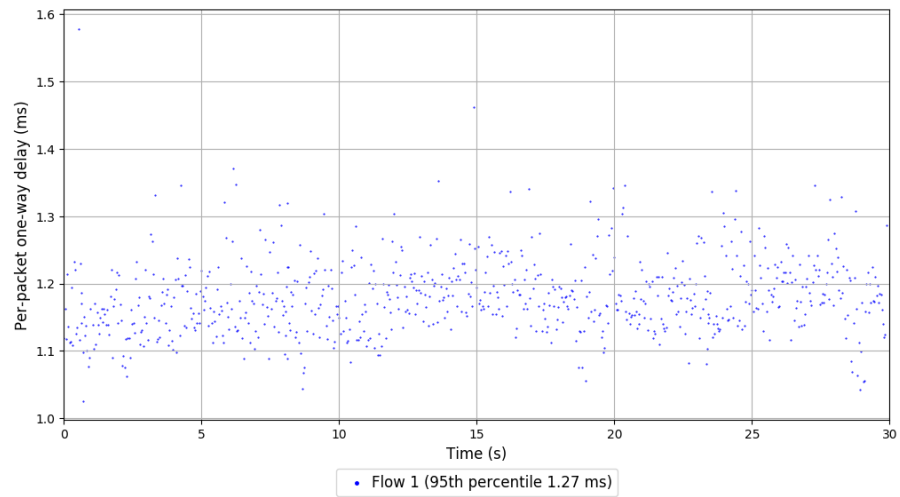
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2017-09-21 11:10:08
End at: 2017-09-21 11:10:38
Local clock offset: -0.265 ms
Remote clock offset: -1.532 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.13%
```
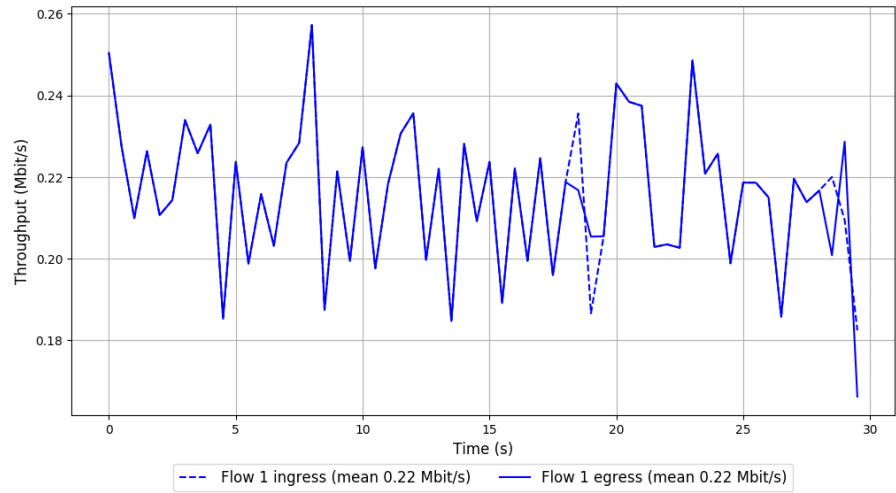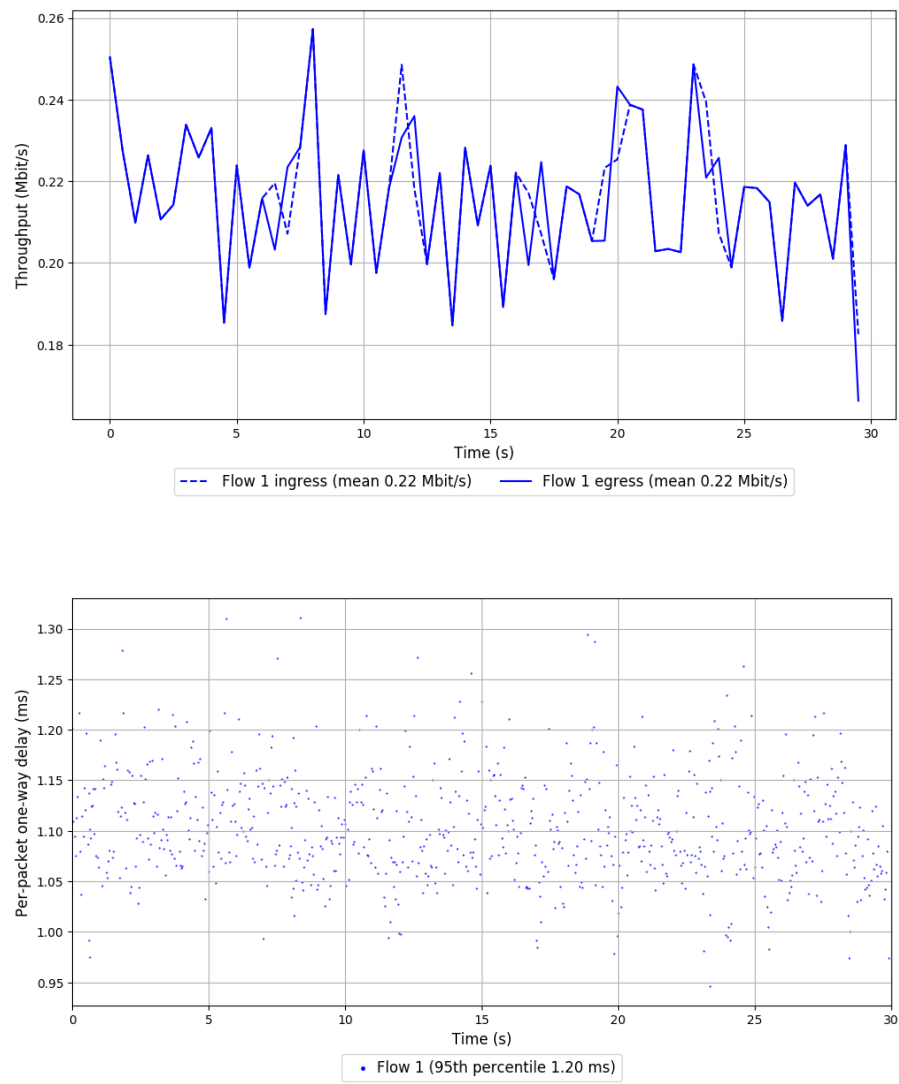
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 1.22 ms)

```
Run 7: Statistics of SCReAM

Start at: 2017-09-21 11:29:22
End at: 2017-09-21 11:29:52
Local clock offset: -0.215 ms
Remote clock offset: -1.58 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.13%
```
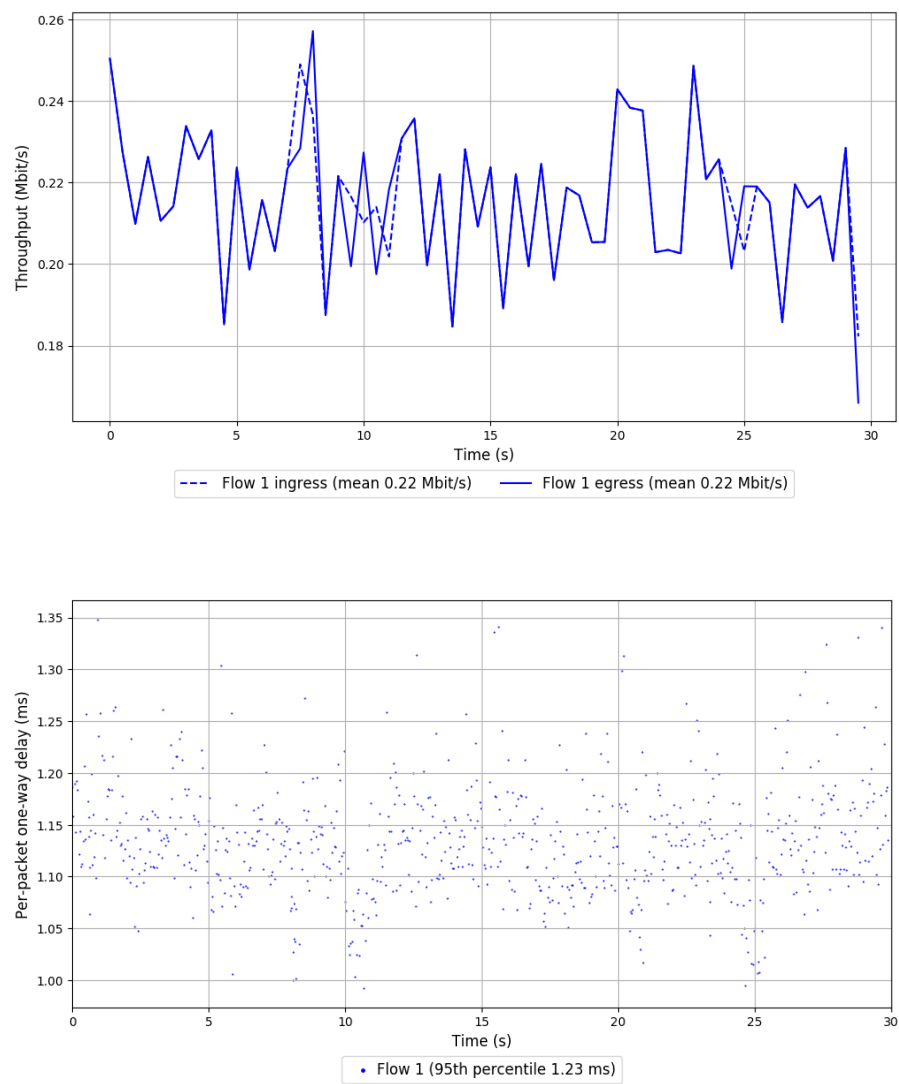
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2017-09-21 11:48:32
End at: 2017-09-21 11:49:02
Local clock offset: -0.194 ms
Remote clock offset: -1.62 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.13%
```
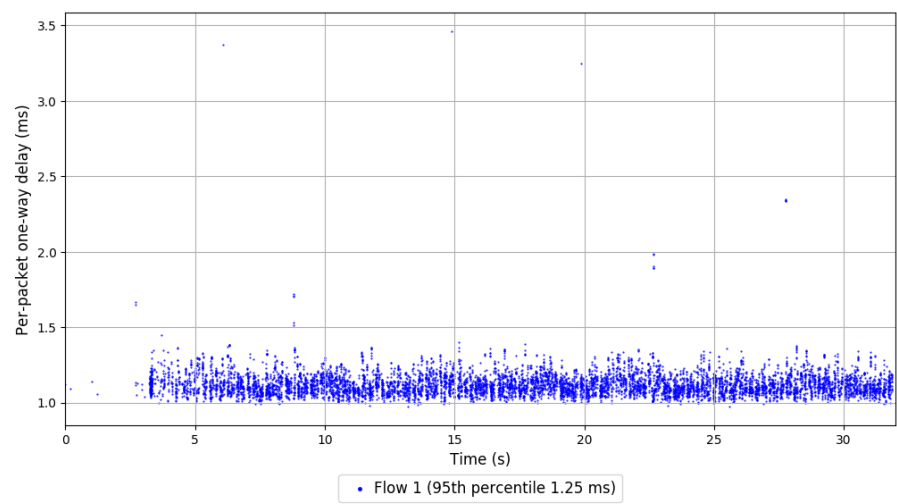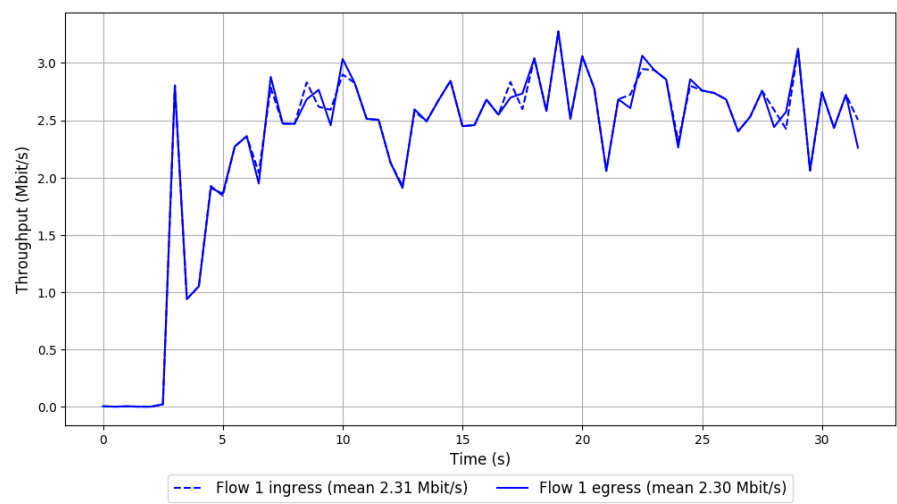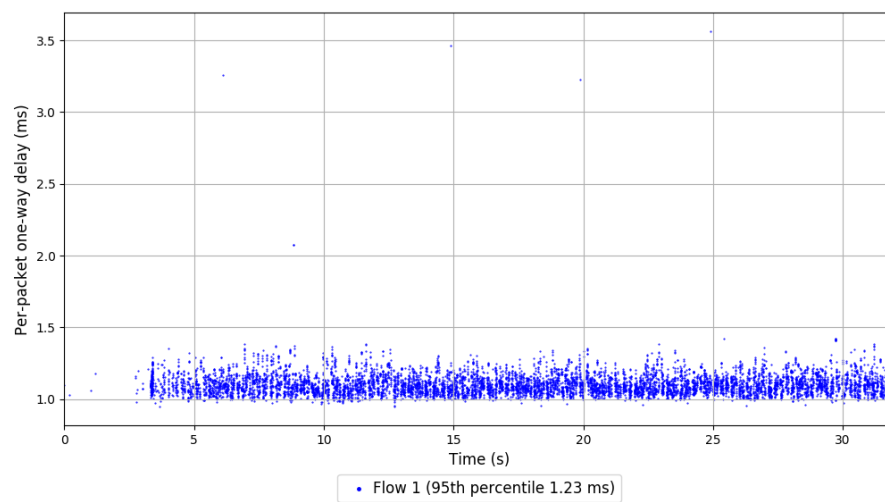
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2017-09-21 12:07:54
End at: 2017-09-21 12:08:24
Local clock offset: -0.204 ms
Remote clock offset: -1.391 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.13%
```
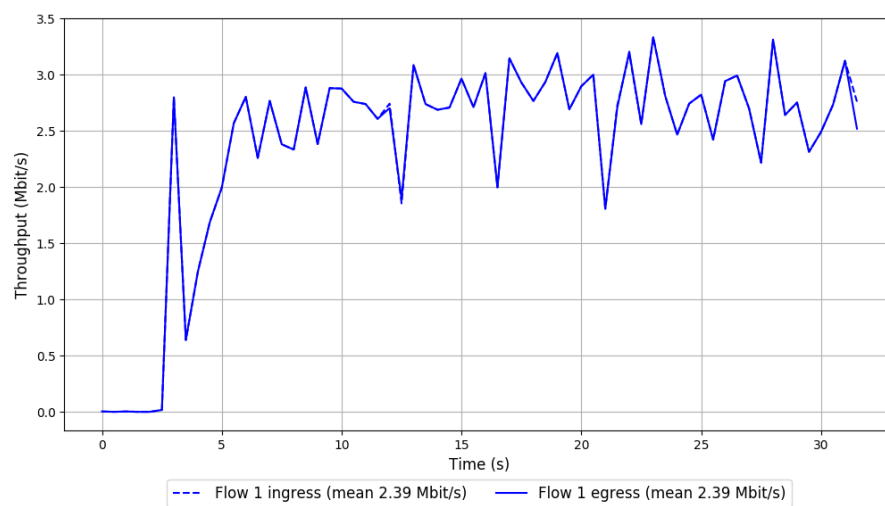
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2017-09-21 12:27:28
End at: 2017-09-21 12:27:58
Local clock offset: -0.18 ms
Remote clock offset: -1.629 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.13%
```

Run 10: Report of SCReAM — Data Link

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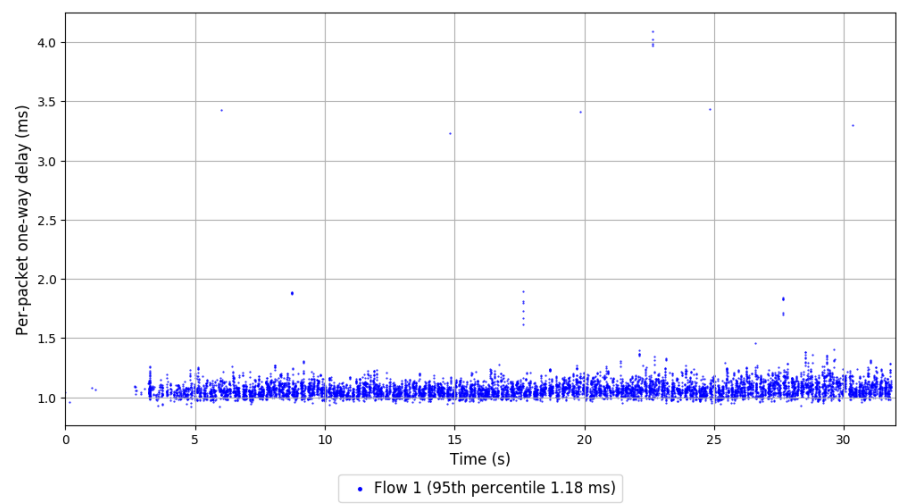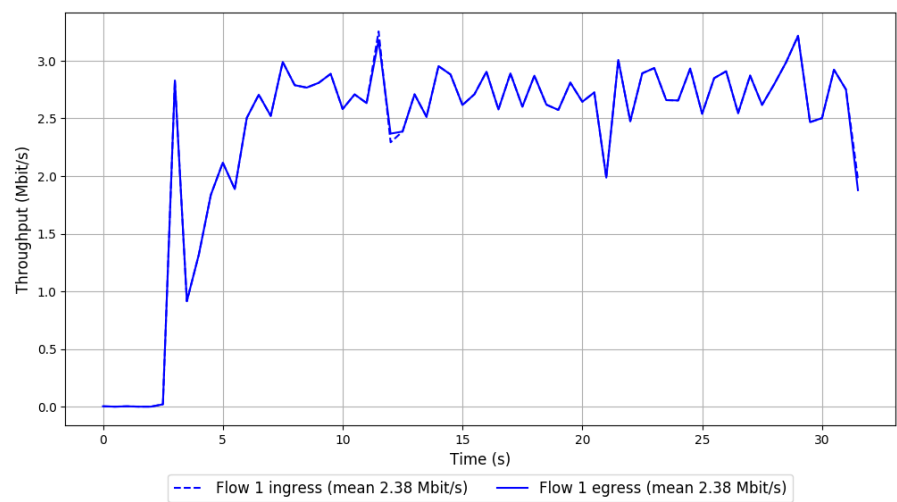

Flow 1 (95th percentile 1.23 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2017-09-21 09:20:30
End at: 2017-09-21 09:21:00
Local clock offset: -0.236 ms
Remote clock offset: -2.22 ms

# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.17%
```

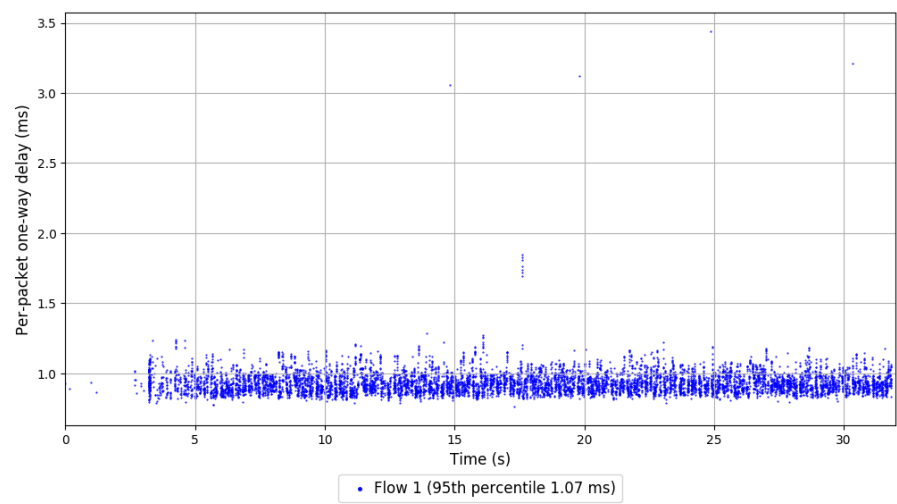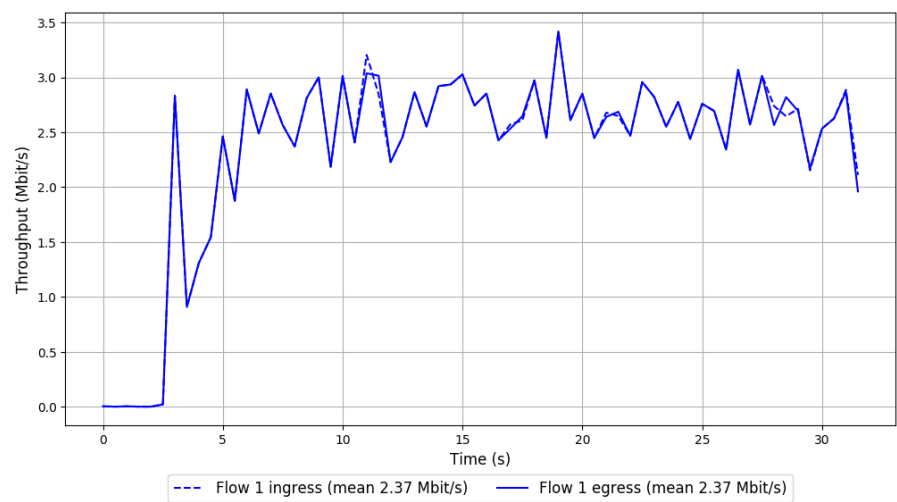Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2017-09-21 09:39:44
End at: 2017-09-21 09:40:14
Local clock offset: -0.196 ms
Remote clock offset: -1.847 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.16%
```
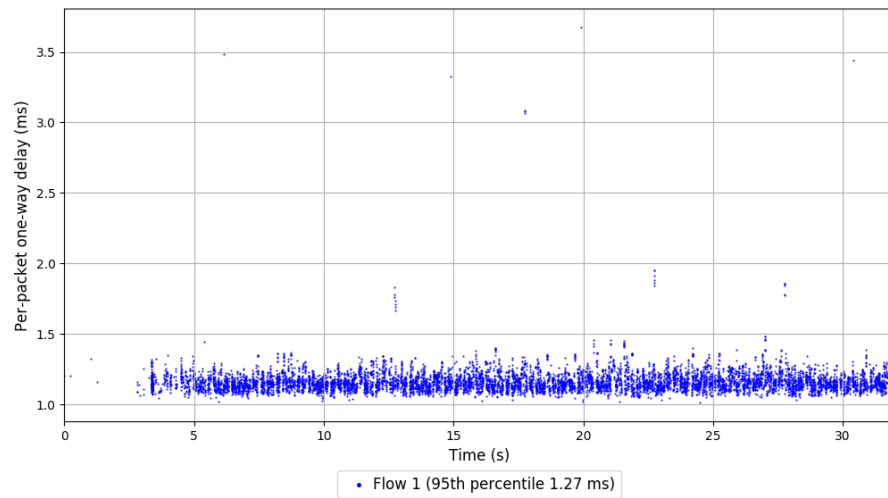
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-09-21 09:59:06
End at: 2017-09-21 09:59:36
Local clock offset: -0.182 ms
Remote clock offset: -1.778 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.06%
```
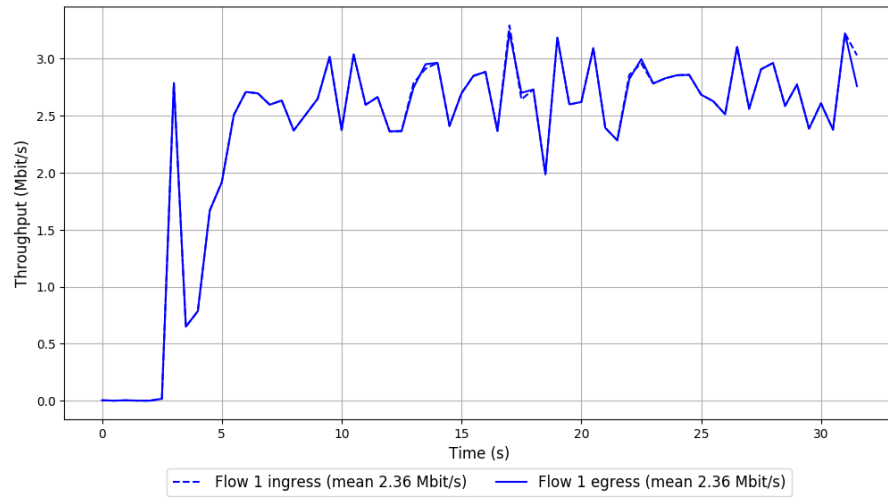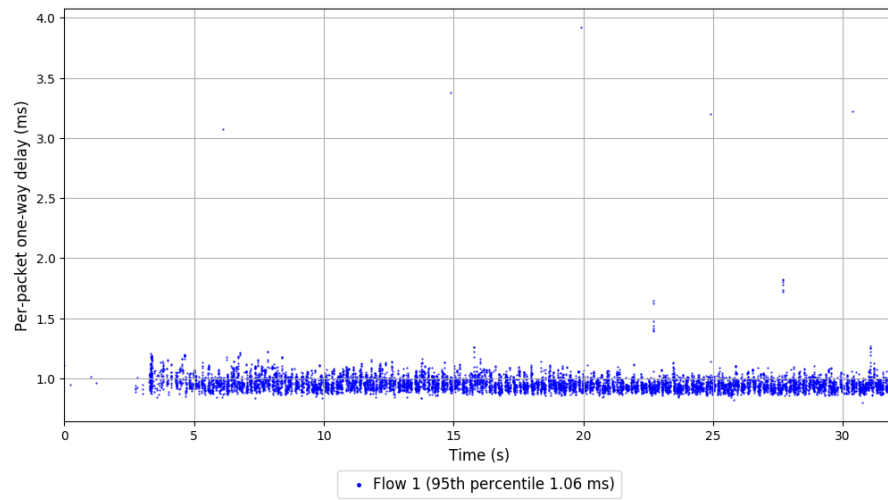
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.38 Mbit/s)   Flow 1 egress (mean 2.38 Mbit/s)
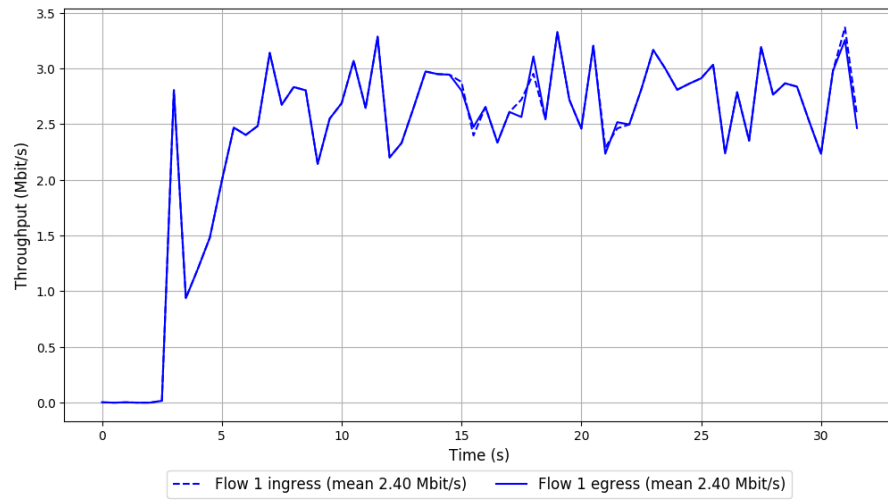

• Flow 1 (95th percentile 1.18 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2017-09-21 10:18:26
End at: 2017-09-21 10:18:56
Local clock offset: -0.145 ms
Remote clock offset: -1.422 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.11%
```
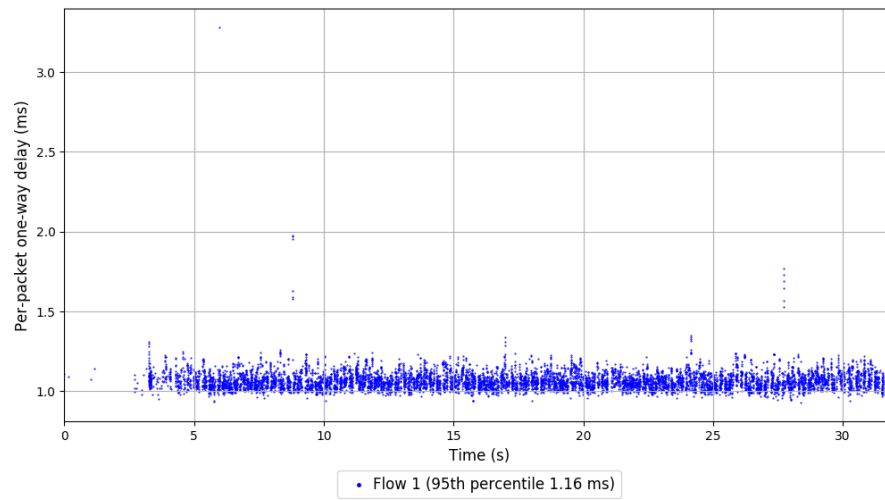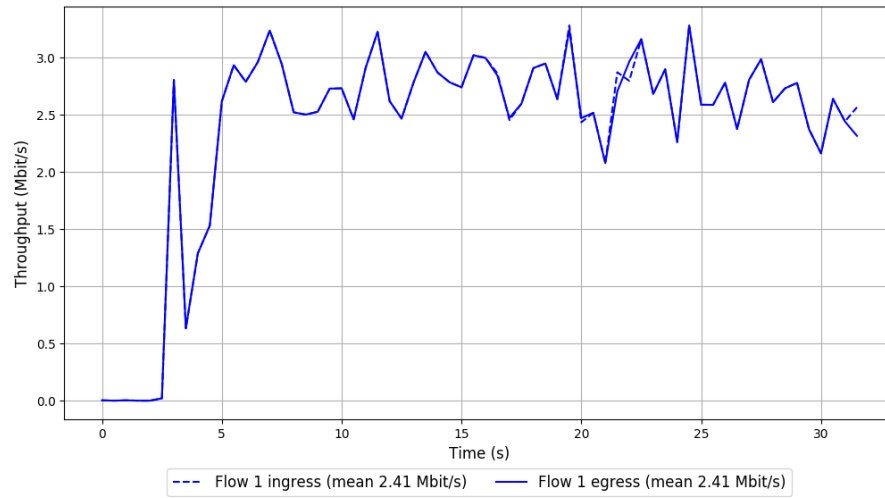
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2017-09-21 10:37:47
End at: 2017-09-21 10:38:17
Local clock offset: -0.026 ms
Remote clock offset: -1.31 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.18%
```
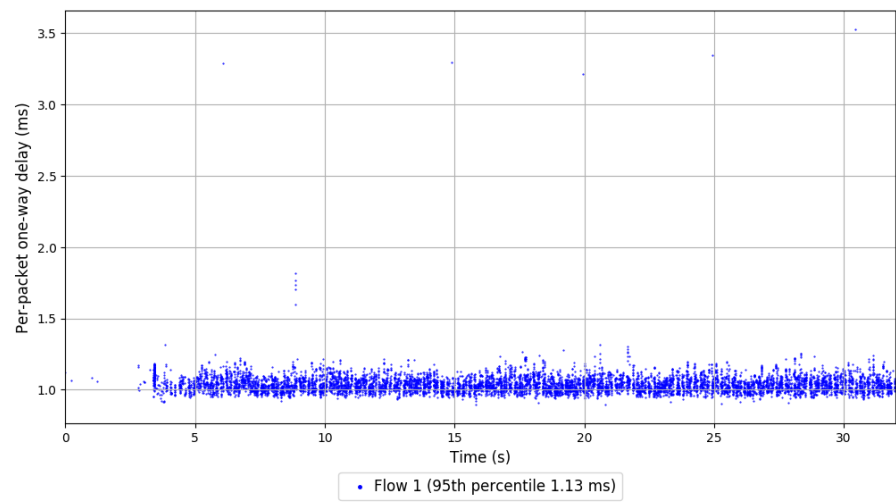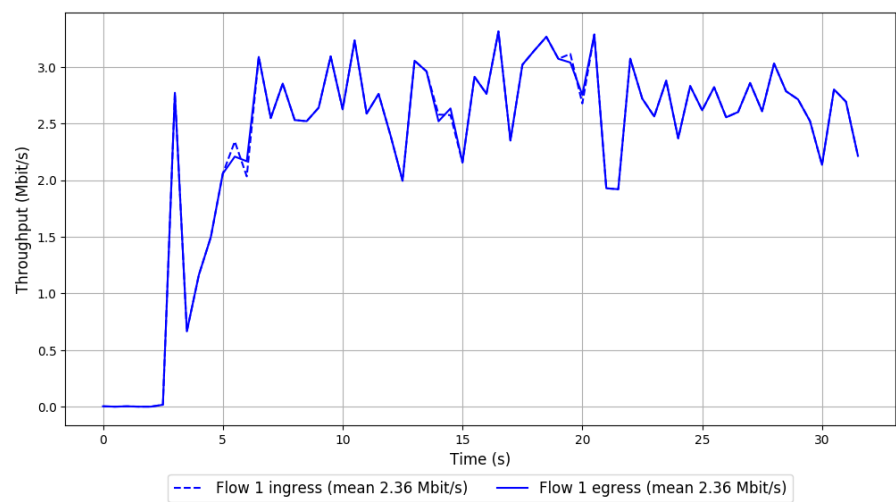
Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.36 Mbit/s)   Flow 1 egress (mean 2.36 Mbit/s)

Flow 1 (95th percentile 1.27 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2017-09-21 10:57:05
End at: 2017-09-21 10:57:35
Local clock offset: -0.219 ms
Remote clock offset: -1.438 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.15%
```
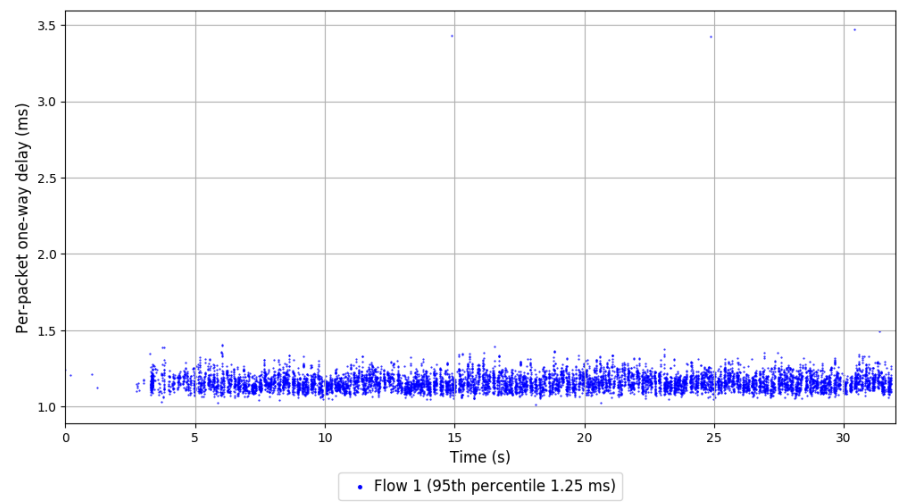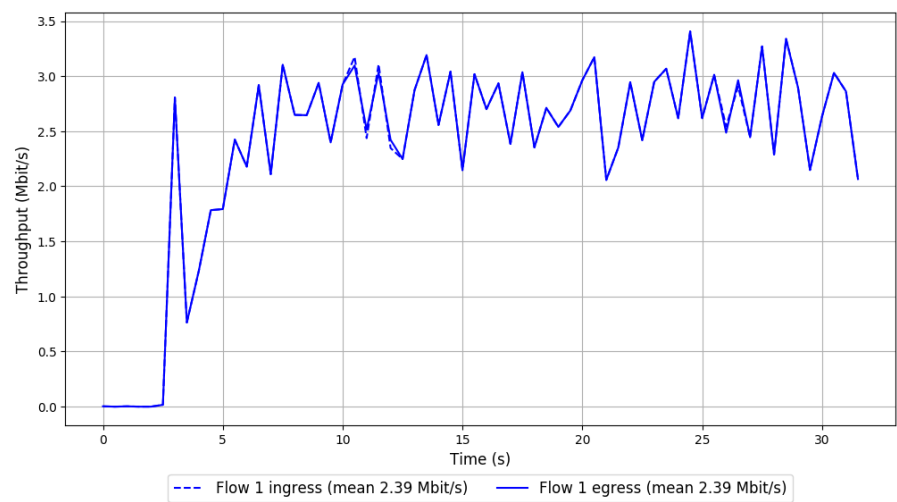
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2017-09-21 11:16:19
End at: 2017-09-21 11:16:49
Local clock offset: -0.162 ms
Remote clock offset: -1.472 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.16%
```
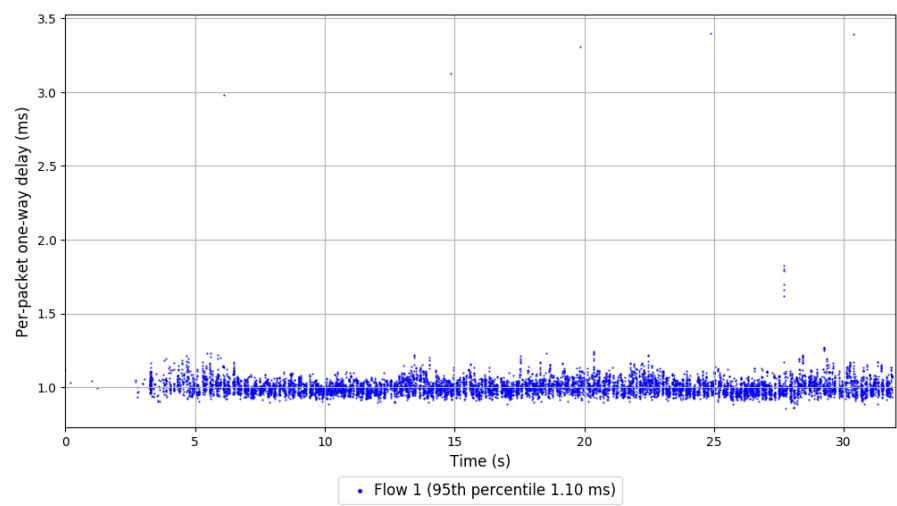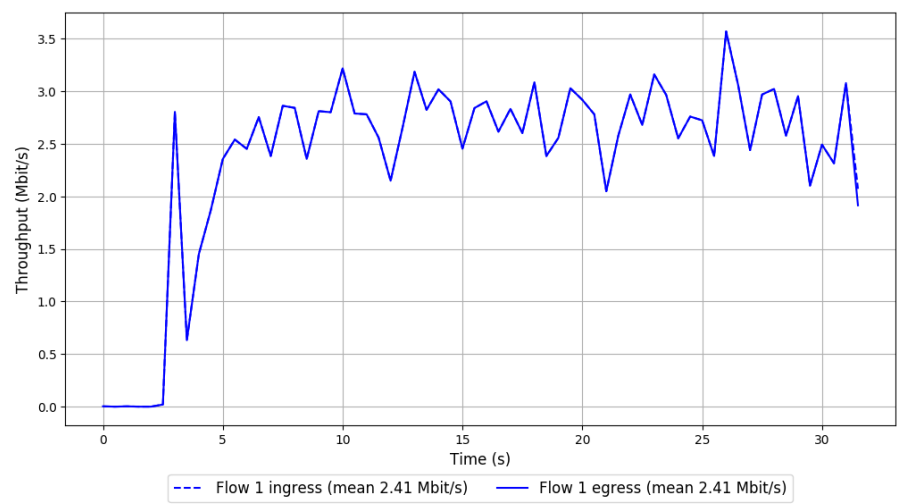
Run 7: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.41 Mbit/s) Flow 1 egress (mean 2.41 Mbit/s)

Flow 1 (95th percentile 1.16 ms)

```
Run 8: Statistics of WebRTC media

Start at: 2017-09-21 11:35:36
End at: 2017-09-21 11:36:06
Local clock offset: -0.291 ms
Remote clock offset: -1.624 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
```
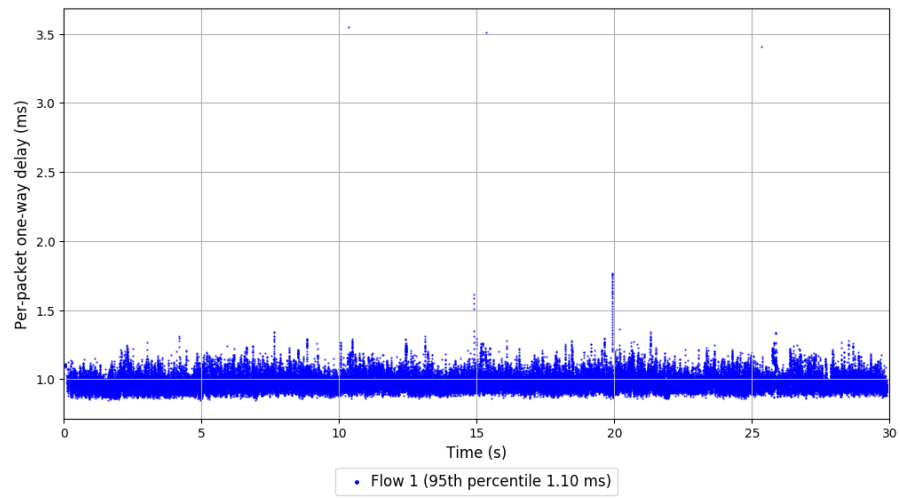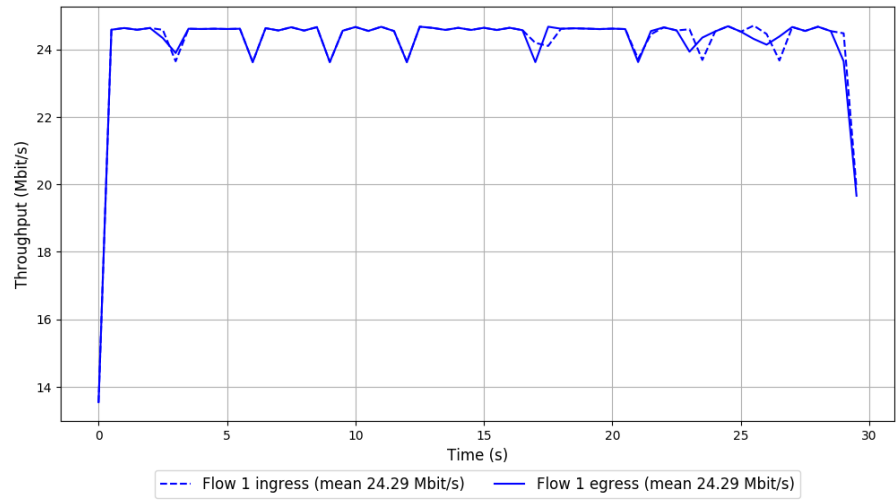
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2017-09-21 11:54:50
End at: 2017-09-21 11:55:20
Local clock offset: -0.177 ms
Remote clock offset: -1.592 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.00%
```
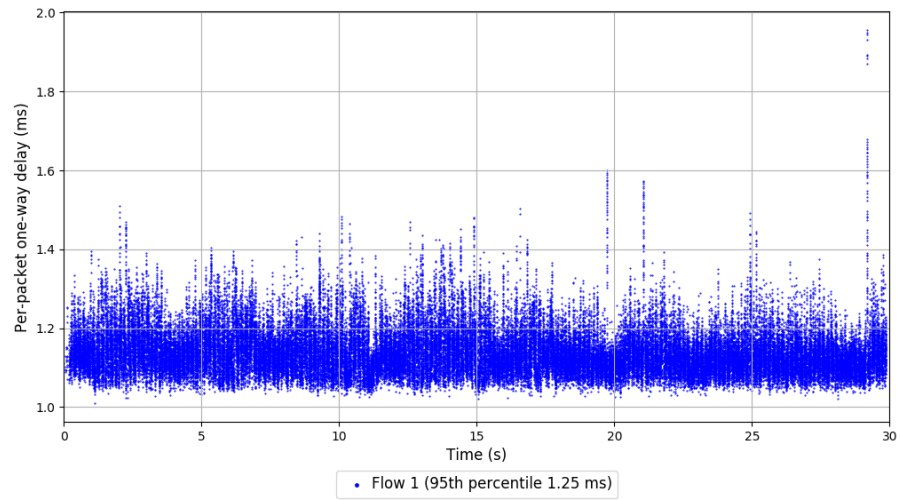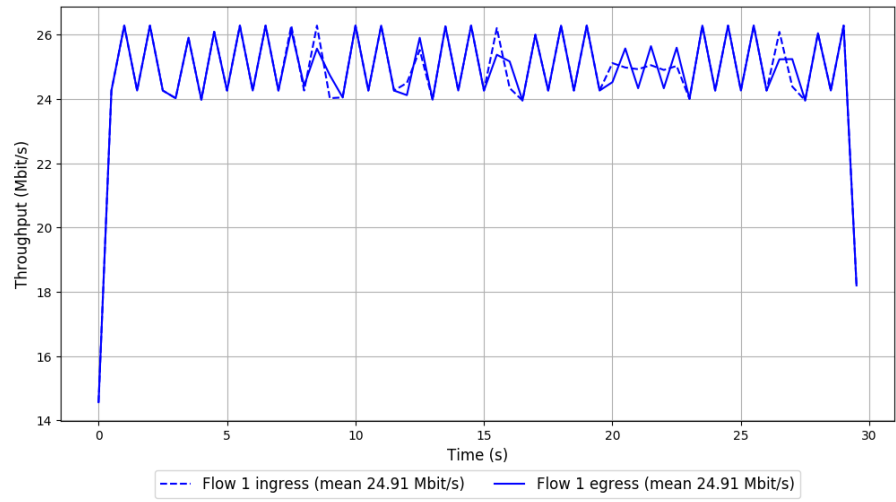
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2017-09-21 12:14:20
End at: 2017-09-21 12:14:50
Local clock offset: -0.305 ms
Remote clock offset: -1.641 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.10%
```

Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.41 Mbit/s) ----- Flow 1 egress (mean 2.41 Mbit/s)
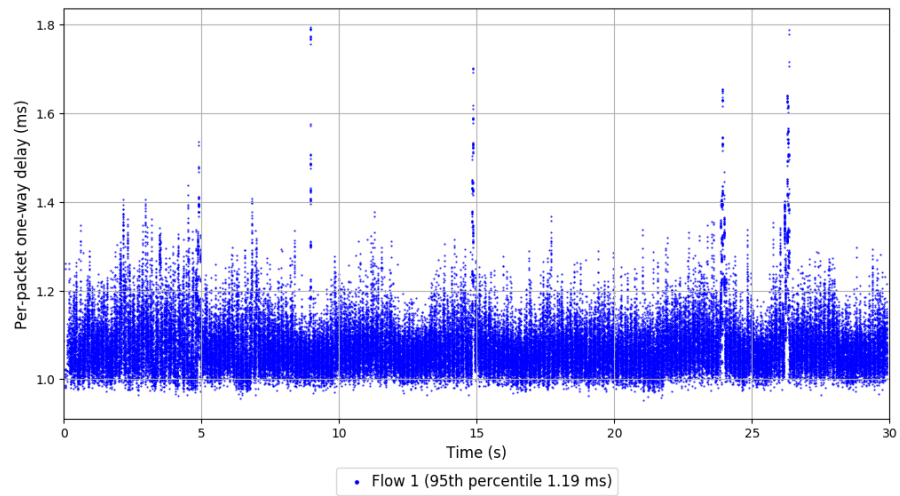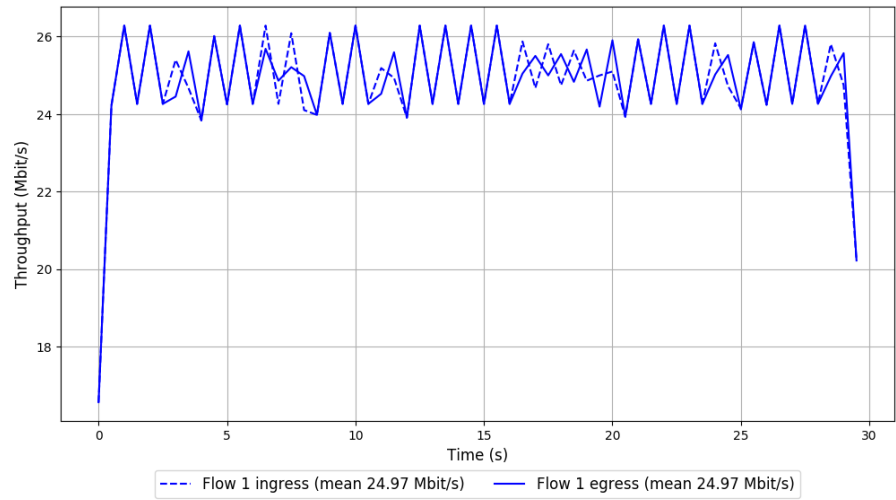

Flow 1 (95th percentile 1.10 ms)

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```
Run 1: Statistics of Sprout

Start at: 2017-09-21 09:34:36
End at: 2017-09-21 09:35:06
Local clock offset: -0.306 ms
Remote clock offset: -1.904 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.07%
```

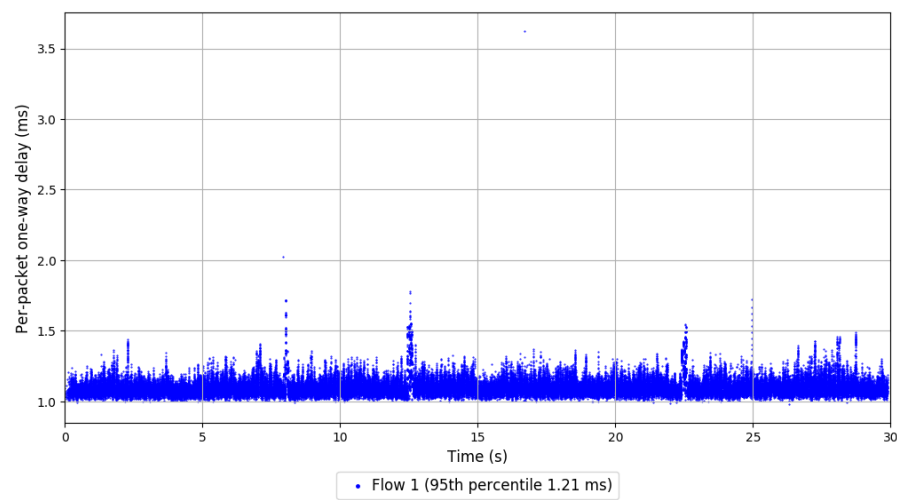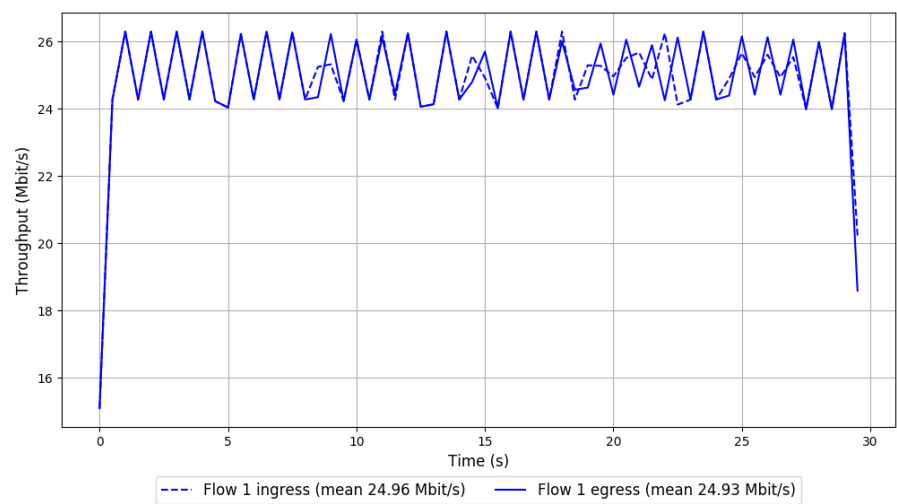Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2017-09-21 09:53:55
End at: 2017-09-21 09:54:25
Local clock offset: -0.123 ms
Remote clock offset: -1.761 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.00%
```

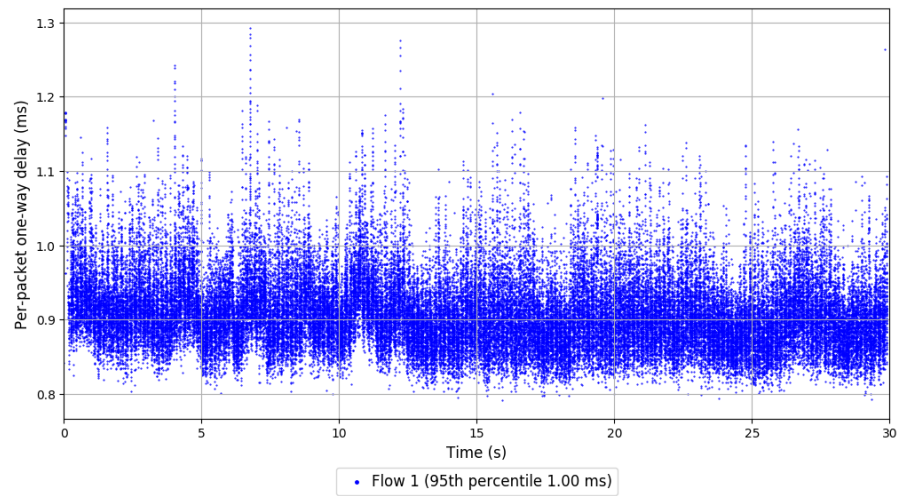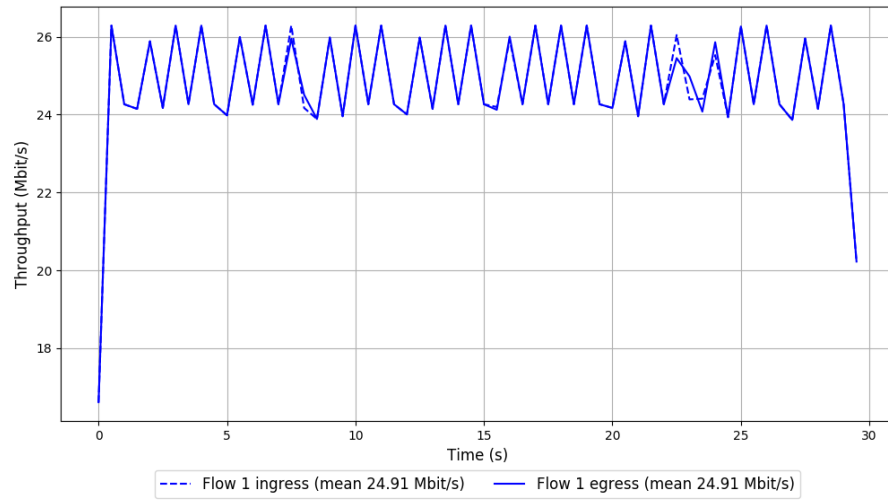Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 24.91 Mbit/s) ----   Flow 1 egress (mean 24.91 Mbit/s) ——

Flow 1 (95th percentile 1.25 ms)

```
Run 3: Statistics of Sprout

Start at: 2017-09-21 10:13:26
End at: 2017-09-21 10:13:56
Local clock offset: -0.141 ms
Remote clock offset: -1.564 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.00%
```

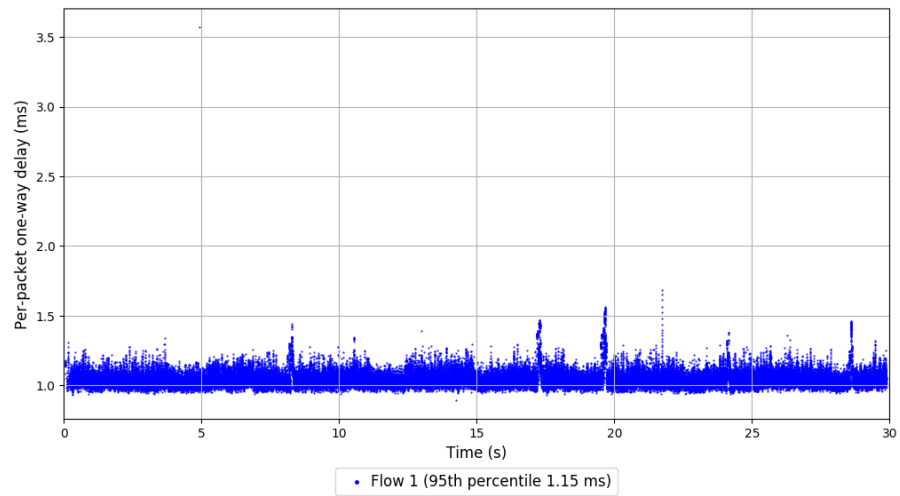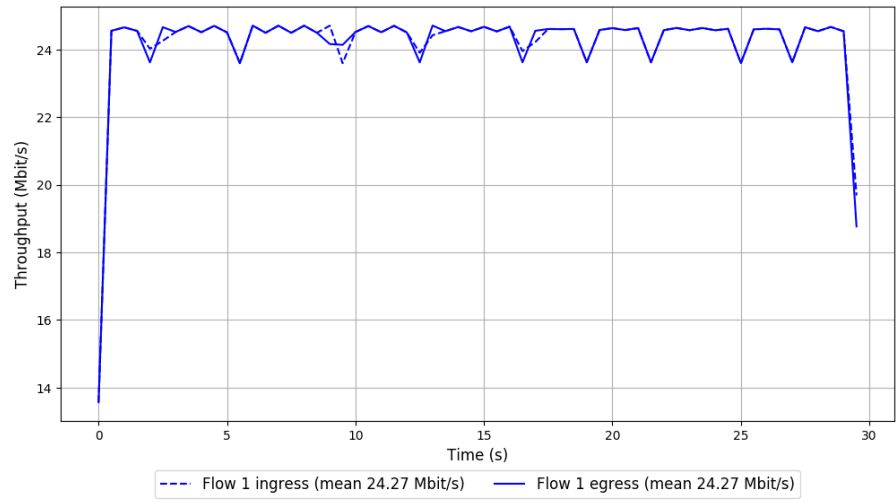Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 24.97 Mbit/s) ------- Flow 1 egress (mean 24.97 Mbit/s) ———

Flow 1 (95th percentile 1.19 ms)

```
Run 4: Statistics of Sprout

Start at: 2017-09-21 10:32:38
End at: 2017-09-21 10:33:08
Local clock offset: -0.034 ms
Remote clock offset: -1.294 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.11%
```

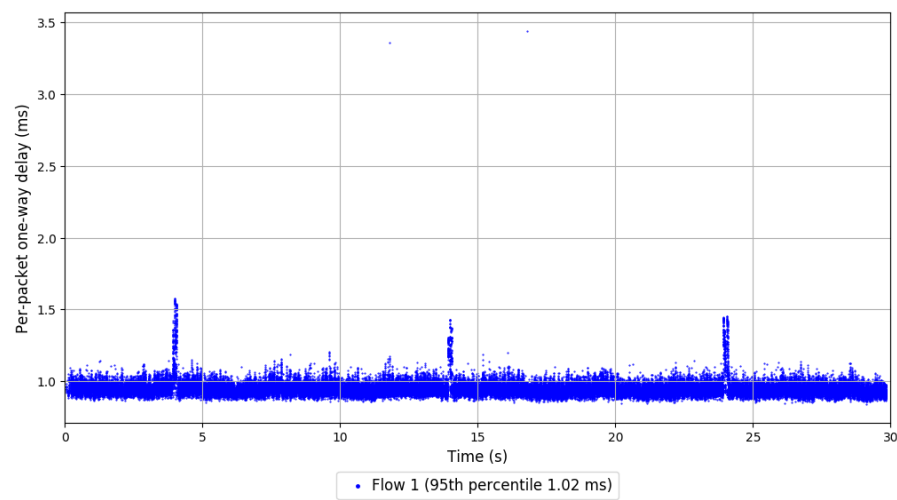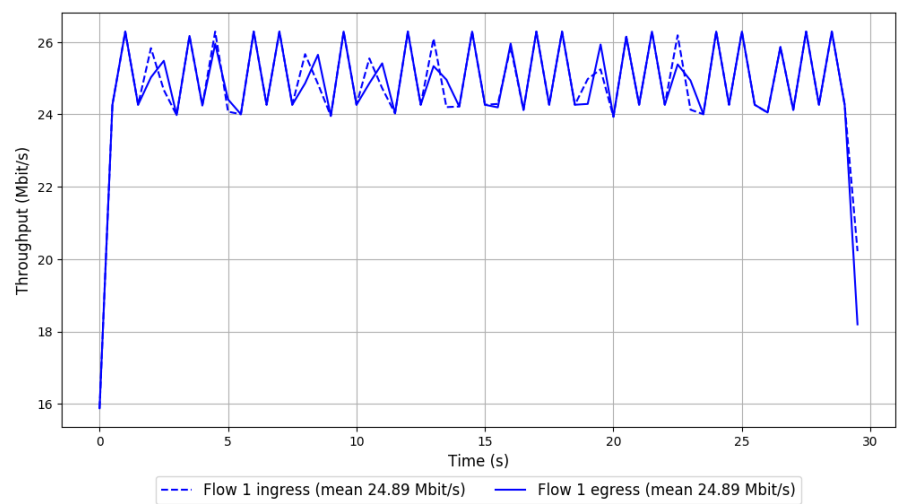# Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2017-09-21 10:51:54
End at: 2017-09-21 10:52:24
Local clock offset: -0.192 ms
Remote clock offset: -1.324 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.004 ms
Loss rate: 0.00%
```

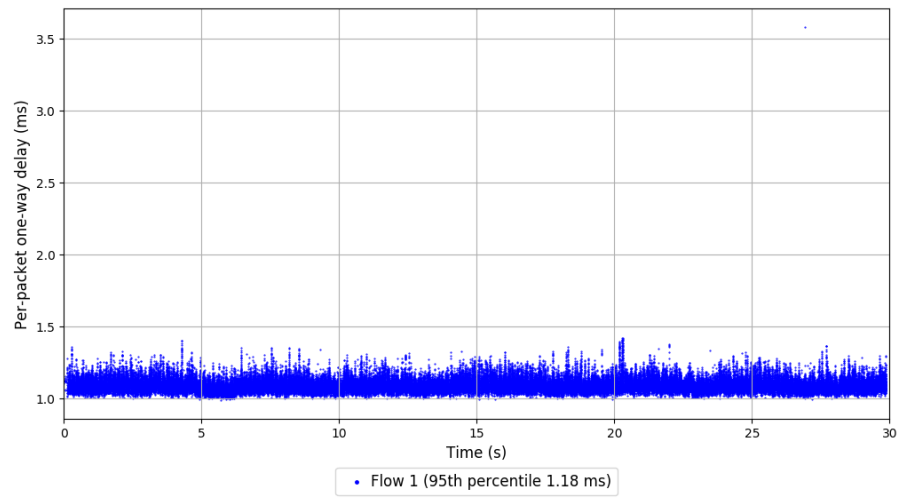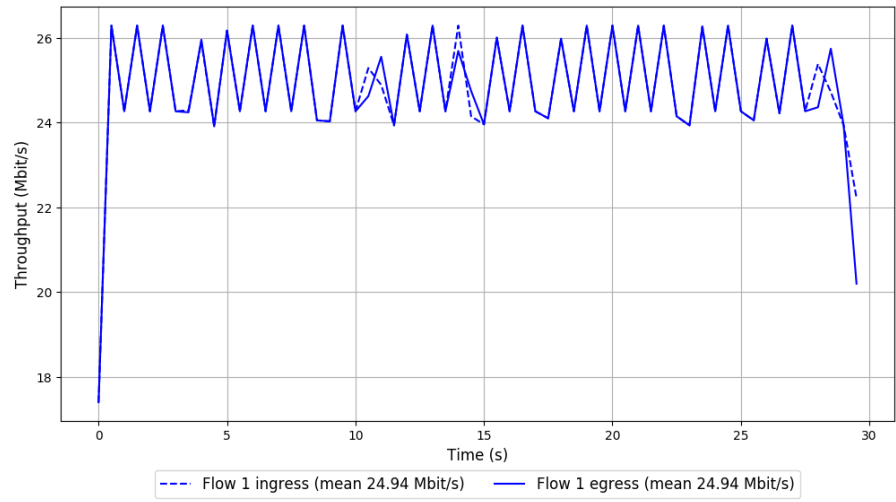Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2017-09-21 11:11:18
End at: 2017-09-21 11:11:48
Local clock offset: -0.286 ms
Remote clock offset: -1.521 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.06%
```
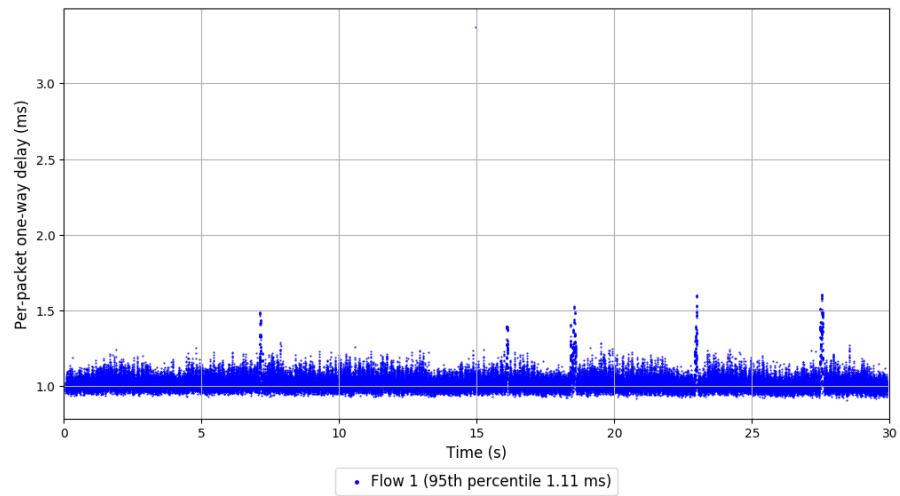
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 24.27 Mbit/s) --- Flow 1 egress (mean 24.27 Mbit/s)

Flow 1 (95th percentile 1.15 ms)

```
Run 7: Statistics of Sprout

Start at: 2017-09-21 11:30:32
End at: 2017-09-21 11:31:02
Local clock offset: -0.314 ms
Remote clock offset: -1.458 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.14%
```

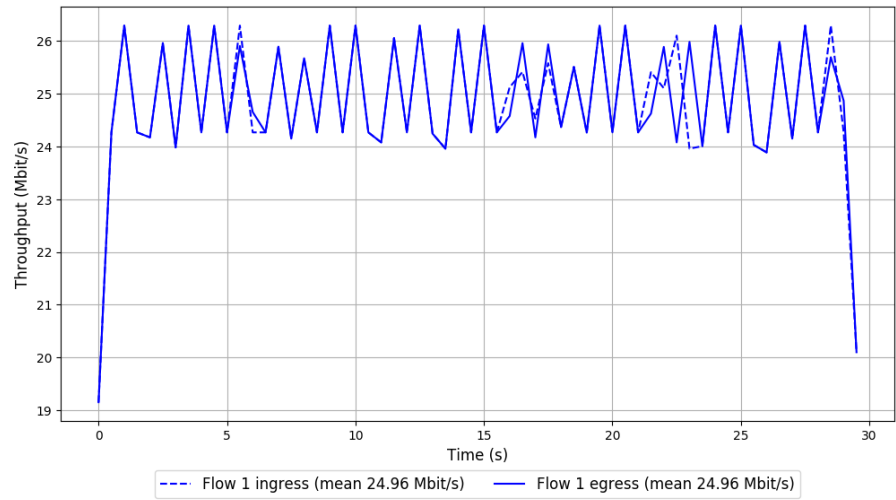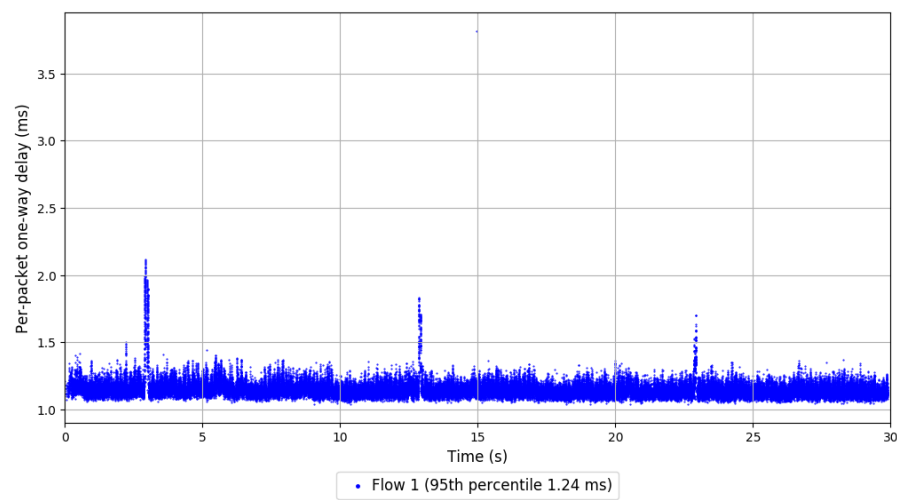## Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2017-09-21 11:49:42
End at: 2017-09-21 11:50:12
Local clock offset: -0.187 ms
Remote clock offset: -1.558 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.14%
```

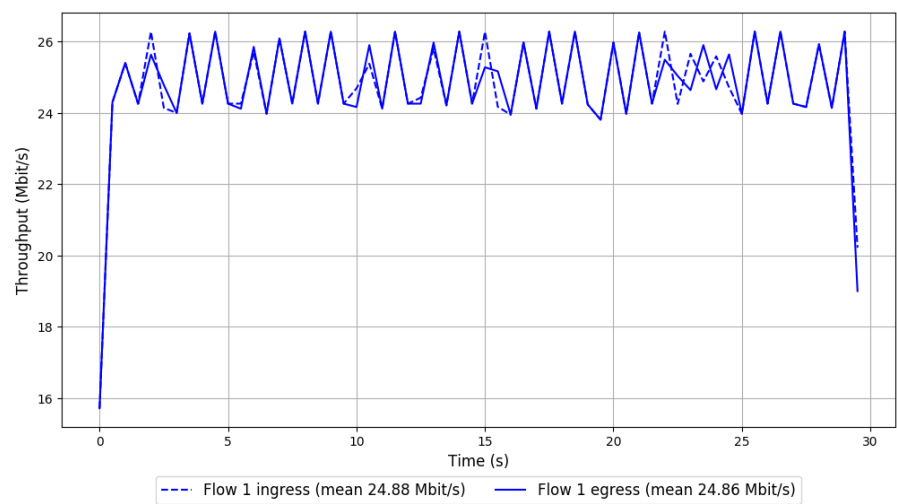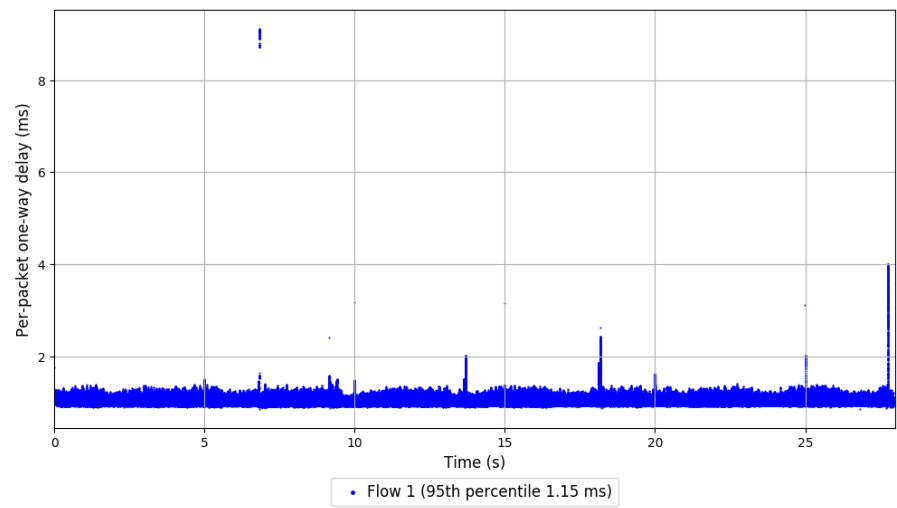Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 24.94 Mbit/s)   Flow 1 egress (mean 24.94 Mbit/s)

Flow 1 (95th percentile 1.18 ms)

```
Run 9: Statistics of Sprout

Start at: 2017-09-21 12:09:04
End at: 2017-09-21 12:09:34
Local clock offset: -0.205 ms
Remote clock offset: -1.395 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.00%
```

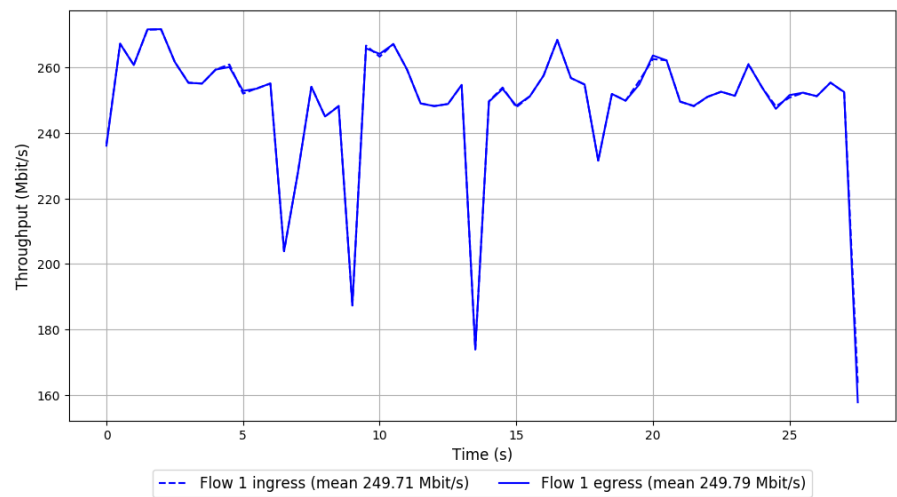## Run 9: Report of Sprout — Data Link

Run 10: Statistics of Sprout

Start at: 2017-09-21 12:28:38
End at: 2017-09-21 12:29:08
Local clock offset: -0.182 ms
Remote clock offset: -1.678 ms

Below is generated by plot.py at 2017-09-21 16:39:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.08%

Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 24.88 Mbit/s) ----   Flow 1 egress (mean 24.86 Mbit/s) ——

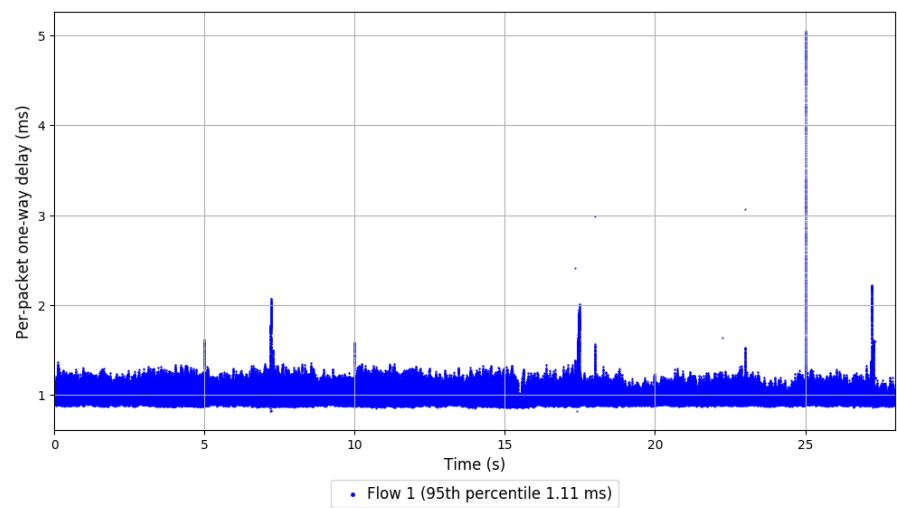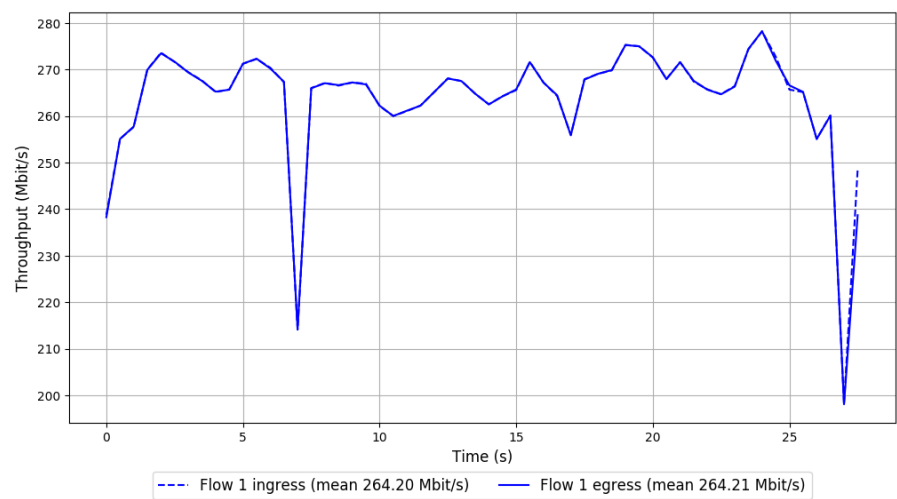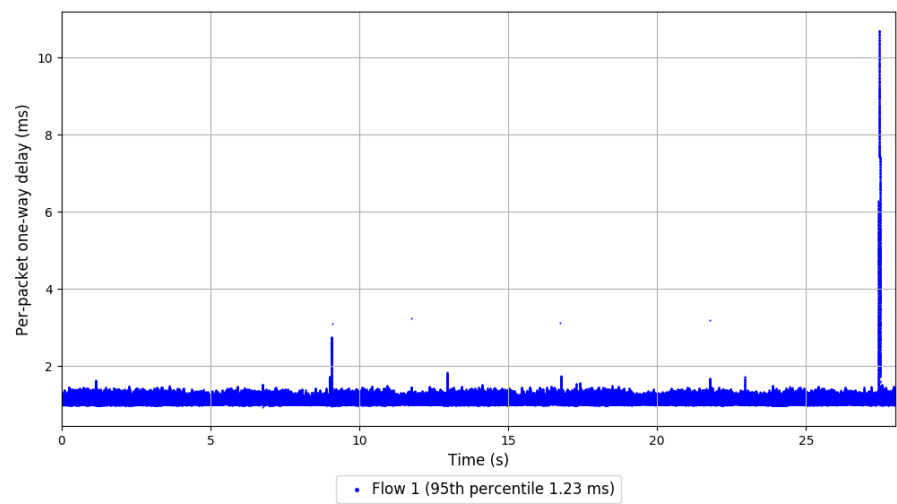Flow 1 (95th percentile 1.24 ms)

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

Start at: 2017-09-21 09:26:26
End at: 2017-09-21 09:26:56
Local clock offset: -0.333 ms
Remote clock offset: -2.185 ms

# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.79 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 249.79 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.04%
```
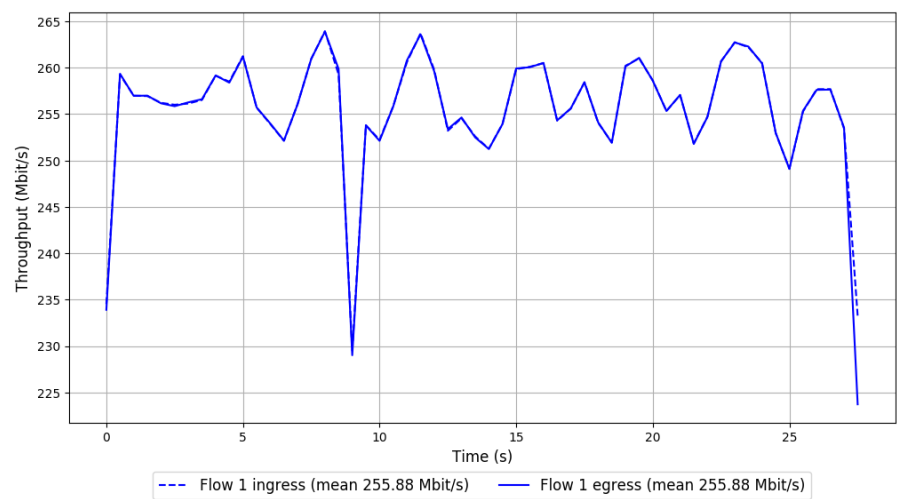
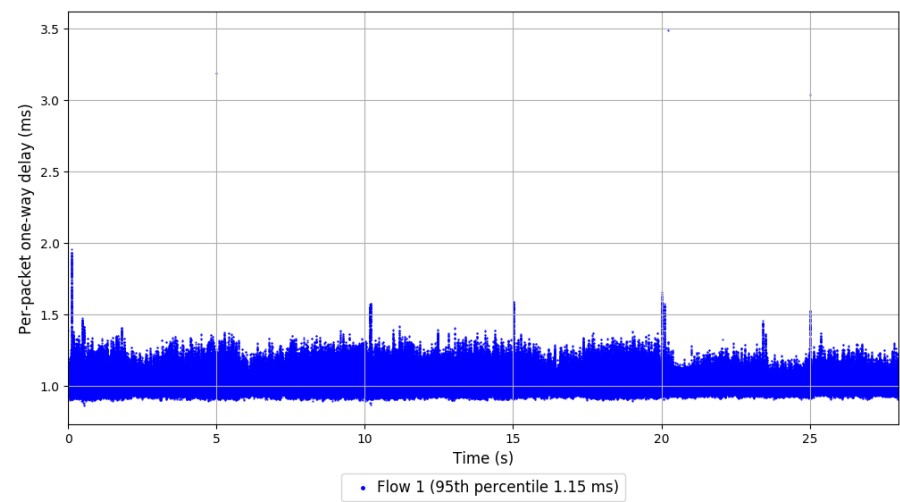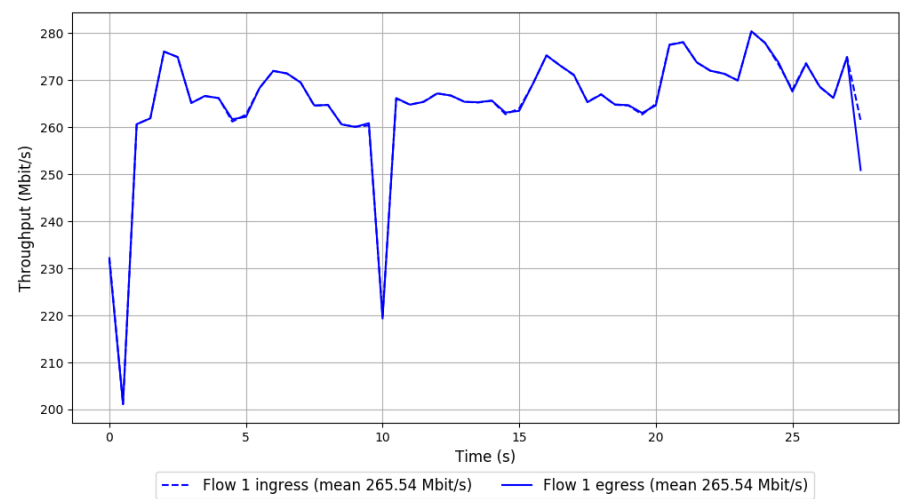Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-21 09:45:47
End at: 2017-09-21 09:46:17
Local clock offset: -0.257 ms
Remote clock offset: -1.712 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.21 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 264.21 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.07%
```

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

Flow 1 ingress (mean 264.20 Mbit/s) — Flow 1 egress (mean 264.21 Mbit/s)

• Flow 1 (95th percentile 1.11 ms)

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

Start at: 2017-09-21 10:05:17
End at: 2017-09-21 10:05:47
Local clock offset: -0.067 ms
Remote clock offset: -1.626 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 255.88 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 255.88 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.07%
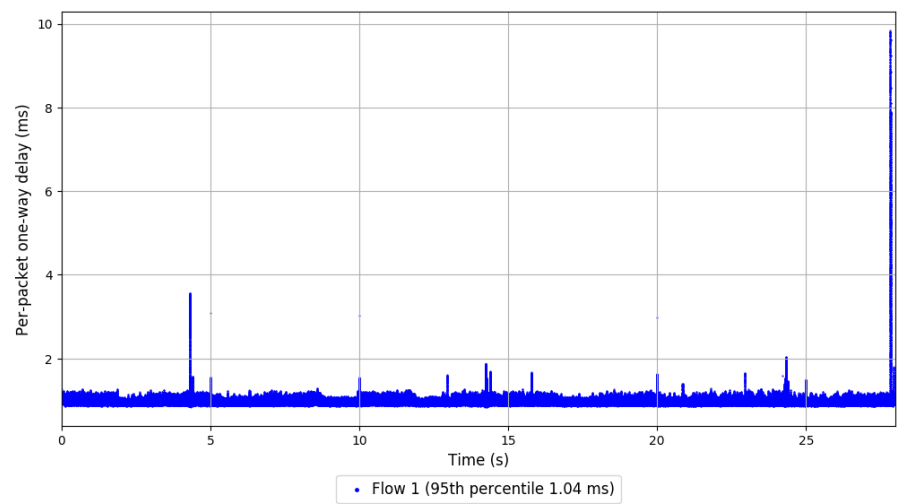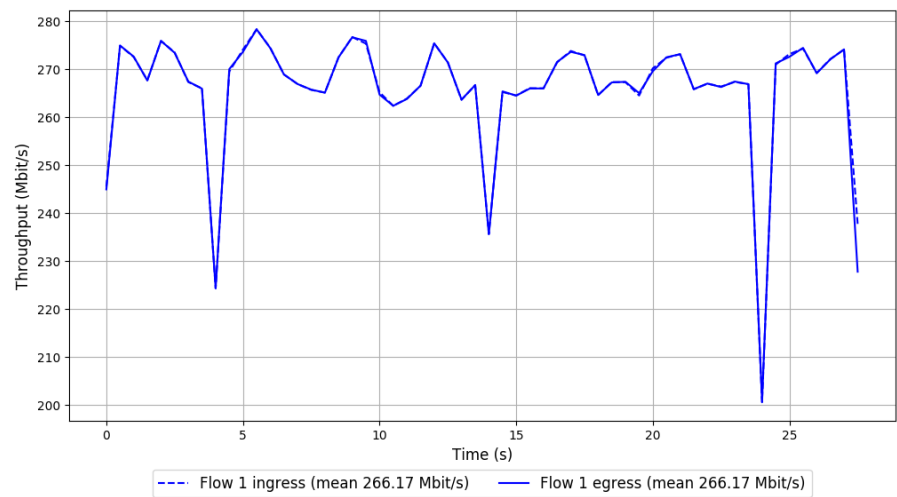```

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



Flow 1 ingress (mean 255.88 Mbit/s)    Flow 1 egress (mean 255.88 Mbit/s)
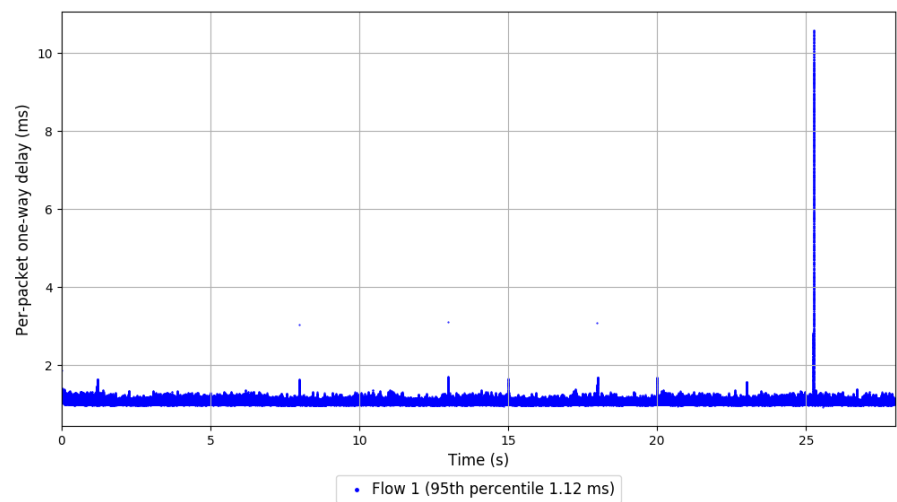


Flow 1 (95th percentile 1.23 ms)

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

Start at: 2017-09-21 10:24:29
End at: 2017-09-21 10:24:59
Local clock offset: -0.127 ms
Remote clock offset: -1.422 ms

Below is generated by plot.py at 2017-09-21 16:39:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.54 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 265.54 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.07%
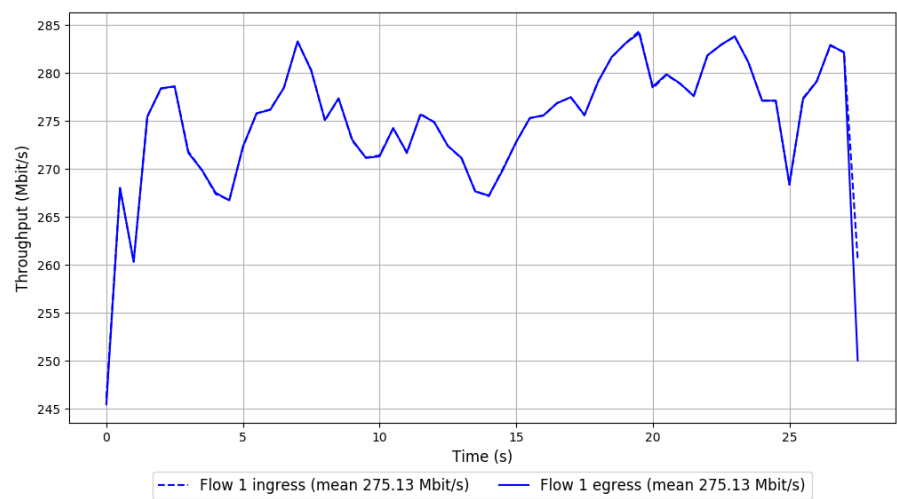```

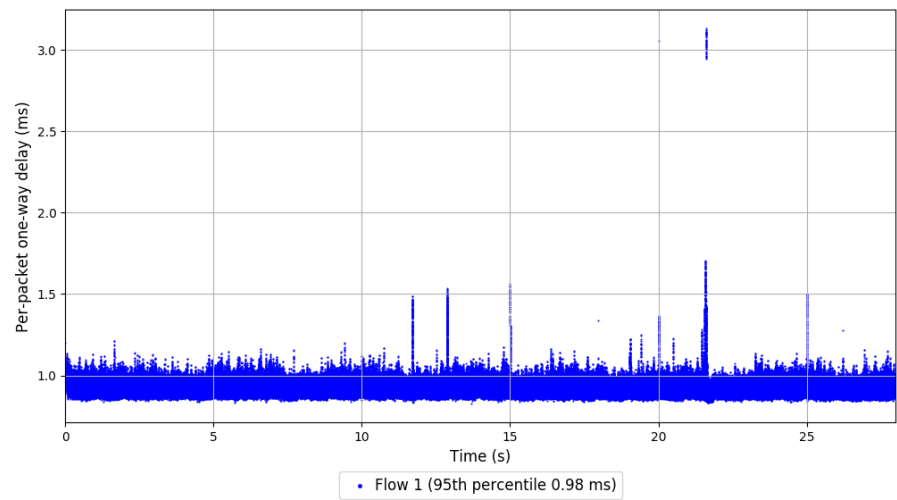Run 4: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-21 10:43:45
End at: 2017-09-21 10:44:15
Local clock offset: -0.145 ms
Remote clock offset: -1.314 ms


# Below is generated by plot.py at 2017-09-21 16:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.17 Mbit/s
95th percentile per-packet one-way delay: 1.044 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 266.17 Mbit/s
95th percentile per-packet one-way delay: 1.044 ms
Loss rate: 0.07%
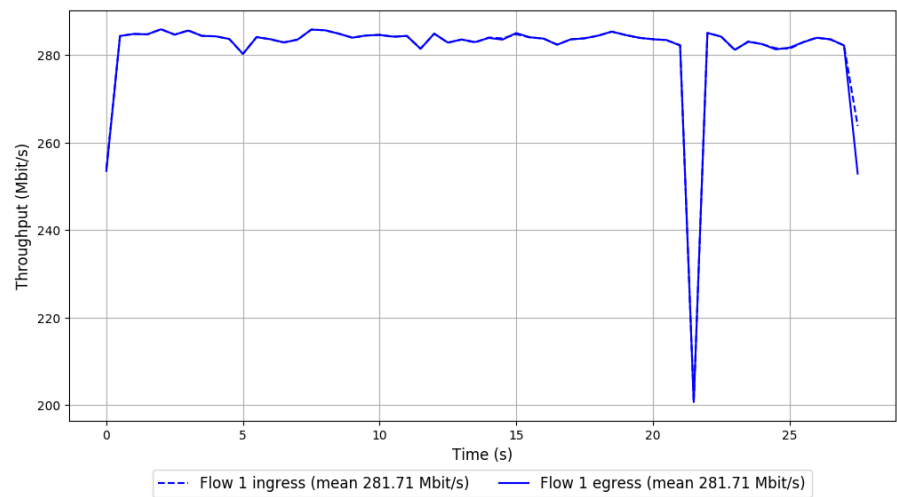```

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



Flow 1 ingress (mean 266.17 Mbit/s) — Flow 1 egress (mean 266.17 Mbit/s)
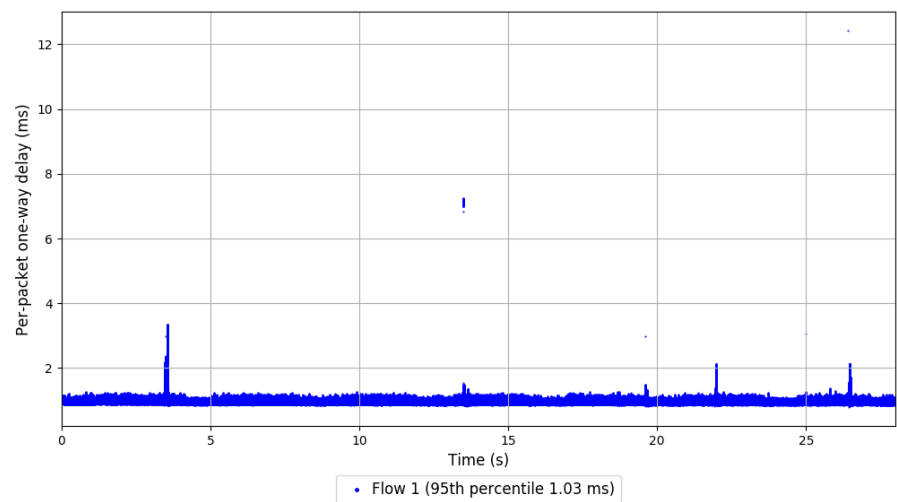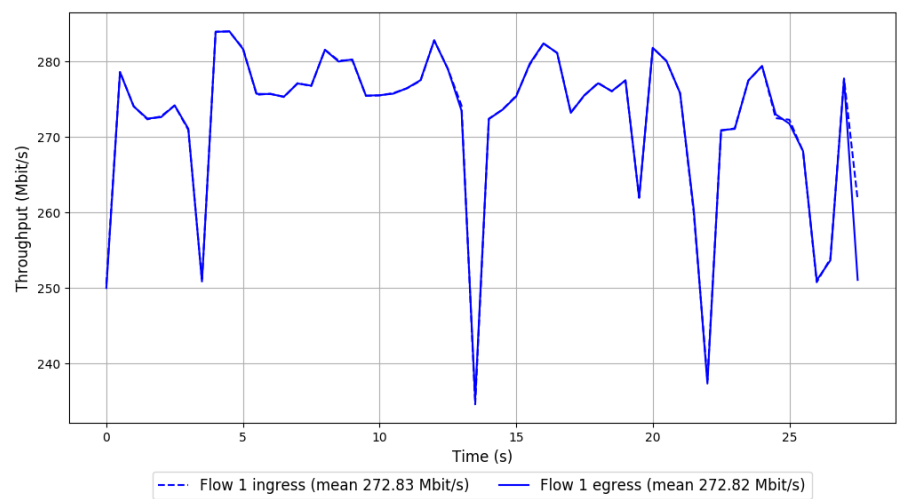


Flow 1 (95th percentile 1.04 ms)

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

Start at: 2017-09-21 11:03:10
End at: 2017-09-21 11:03:40
Local clock offset: -0.141 ms
Remote clock offset: -1.494 ms

Below is generated by plot.py at 2017-09-21 16:39:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.13 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 275.13 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.07%
```
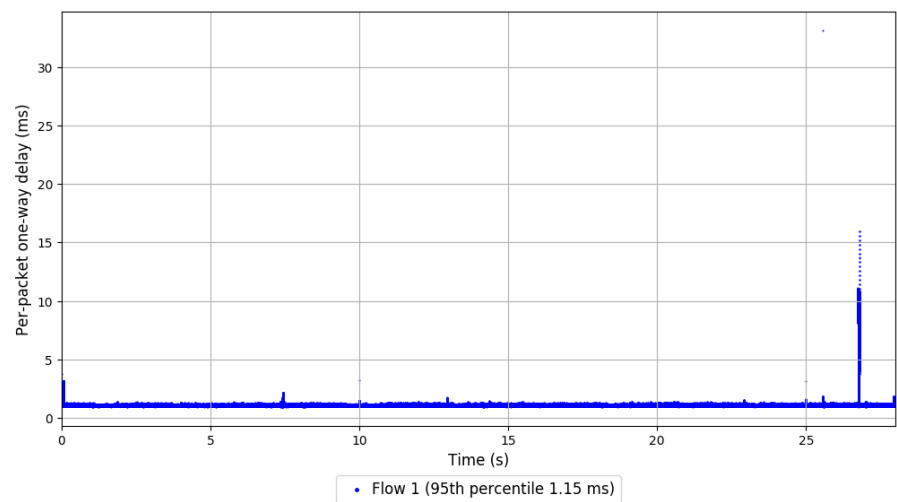
# Run 6: Report of TaoVA-100x — Data Link



Flow 1 ingress (mean 275.13 Mbit/s) — Flow 1 egress (mean 275.13 Mbit/s)



Flow 1 (95th percentile 1.12 ms)

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

Start at: 2017-09-21 11:22:22
End at: 2017-09-21 11:22:52
Local clock offset: -0.295 ms
Remote clock offset: -1.555 ms

Below is generated by plot.py at 2017-09-21 16:44:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.71 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 281.71 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.07%
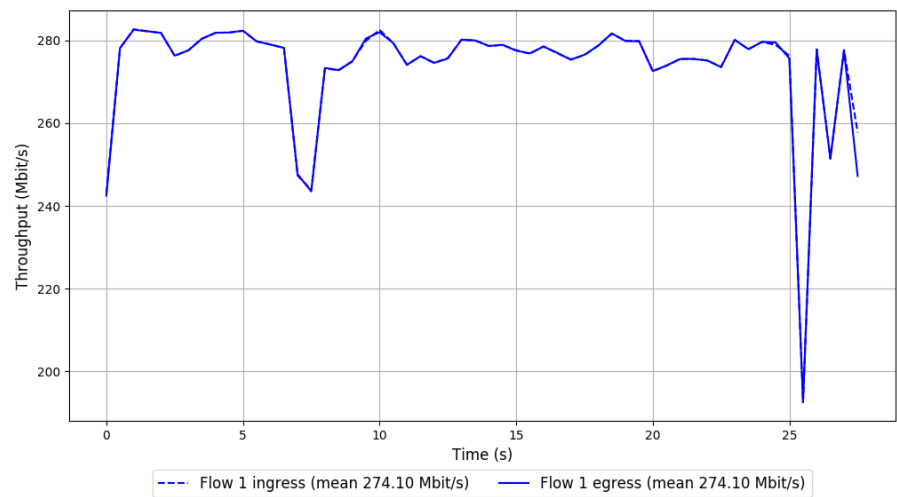```

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

Flow 1 ingress (mean 281.71 Mbit/s) ----- Flow 1 egress (mean 281.71 Mbit/s)

Flow 1 (95th percentile 0.98 ms)

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

Start at: 2017-09-21 11:41:40
End at: 2017-09-21 11:42:10
Local clock offset: -0.322 ms
Remote clock offset: -1.621 ms


# Below is generated by plot.py at 2017-09-21 16:45:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.82 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 272.82 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.07%
```
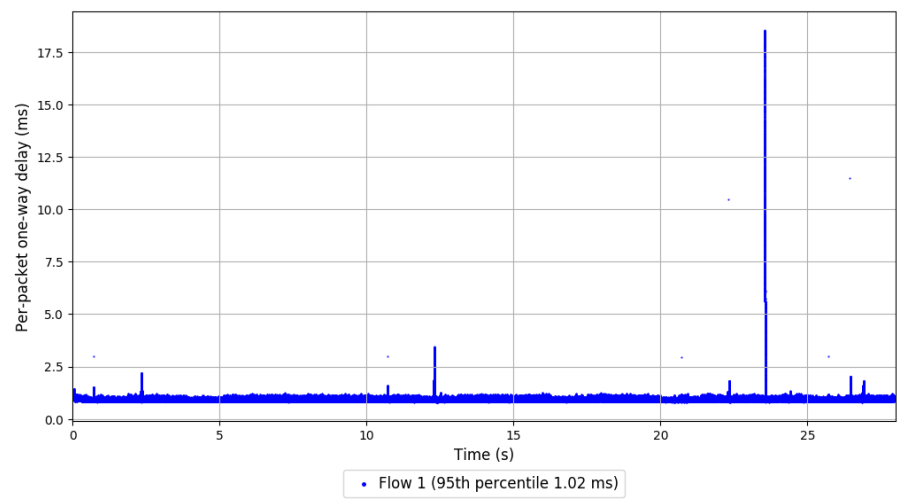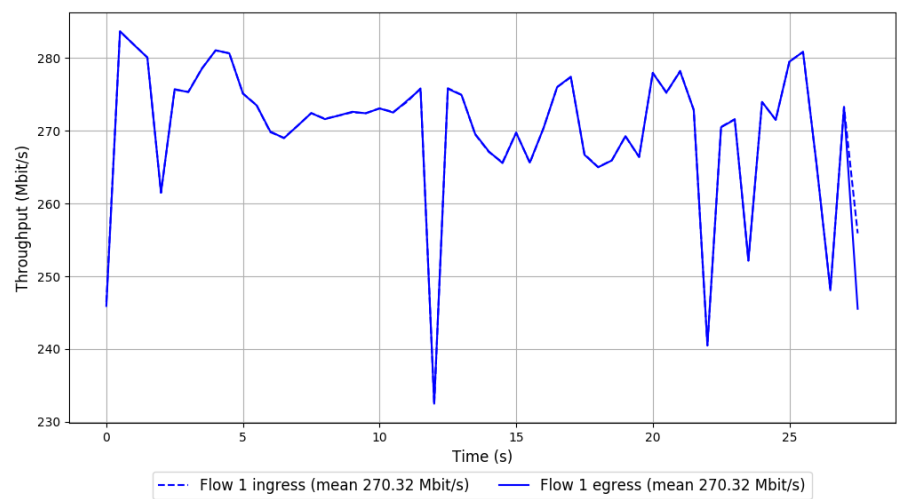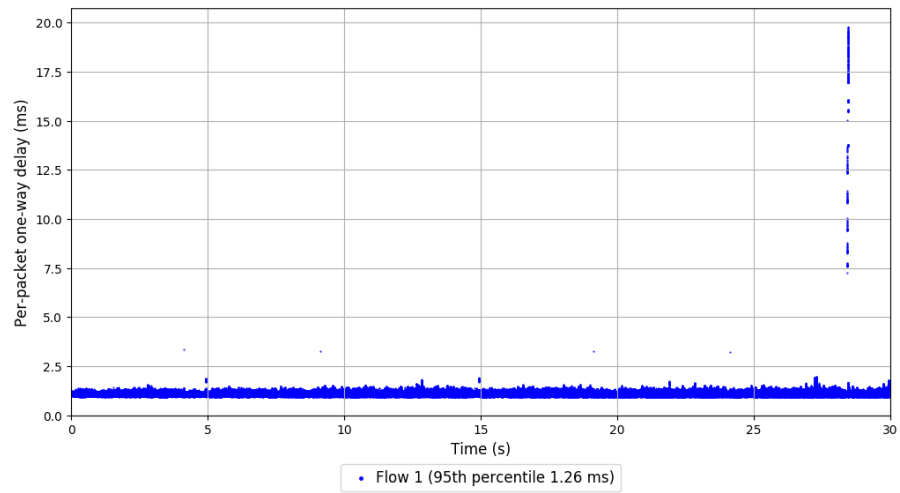
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 272.83 Mbit/s)   Flow 1 egress (mean 272.82 Mbit/s)

Flow 1 (95th percentile 1.03 ms)

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

Start at: 2017-09-21 12:00:49
End at: 2017-09-21 12:01:19
Local clock offset: -0.184 ms
Remote clock offset: -1.429 ms


# Below is generated by plot.py at 2017-09-21 16:45:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.10 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 274.10 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.07%
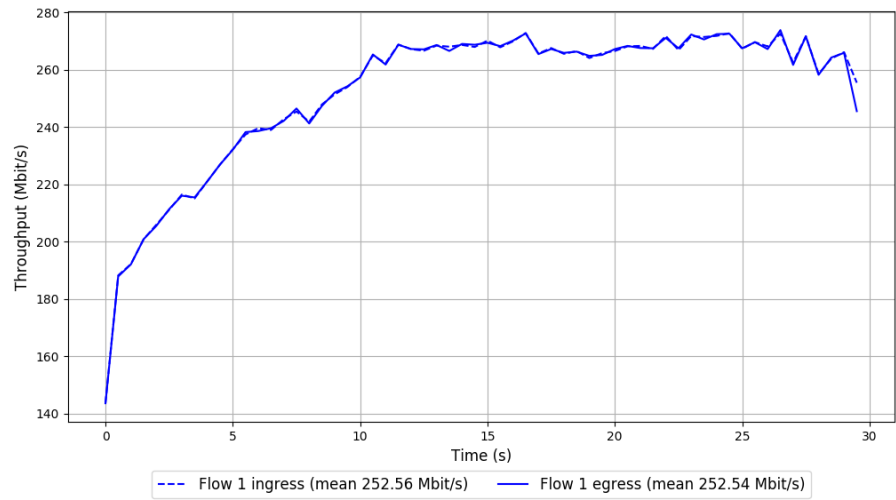```
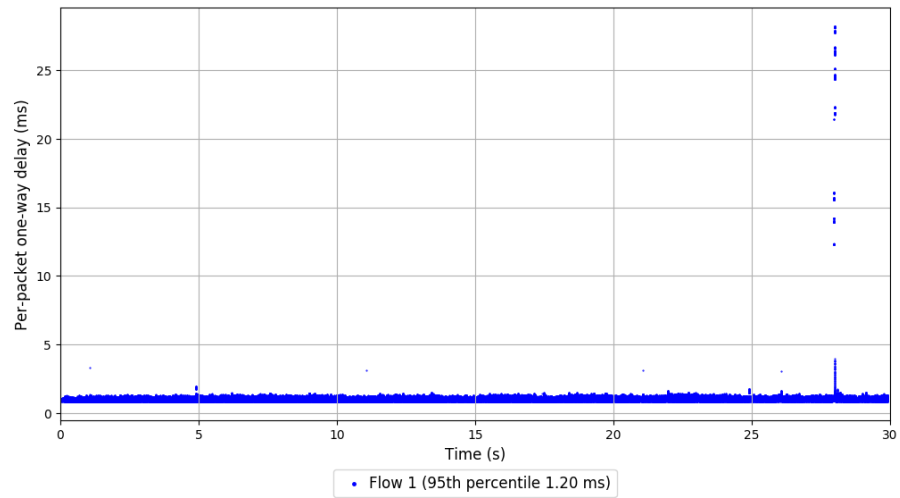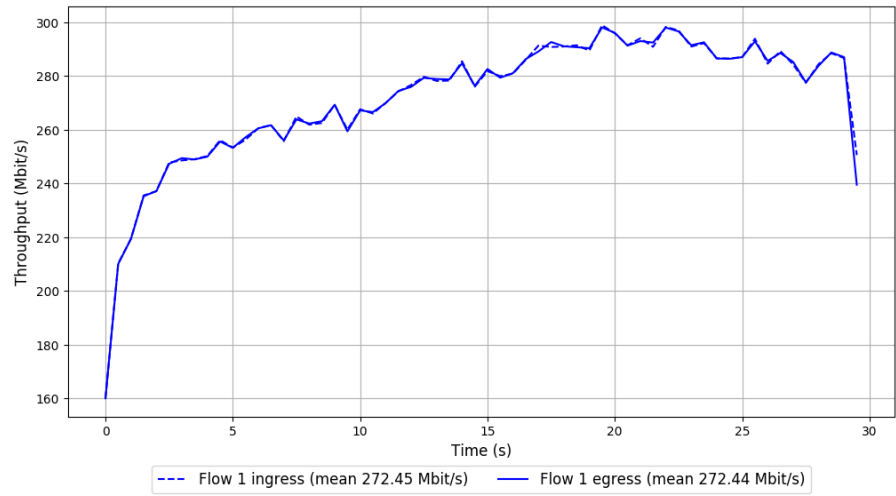
# Run 9: Report of TaoVA-100x — Data Link



Flow 1 ingress (mean 274.10 Mbit/s) --- Flow 1 egress (mean 274.10 Mbit/s)



Flow 1 (95th percentile 1.15 ms)

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

Start at: 2017-09-21 12:20:26
End at: 2017-09-21 12:20:56
Local clock offset: -0.295 ms
Remote clock offset: -1.647 ms

Below is generated by plot.py at 2017-09-21 16:45:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.32 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 270.32 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.07%
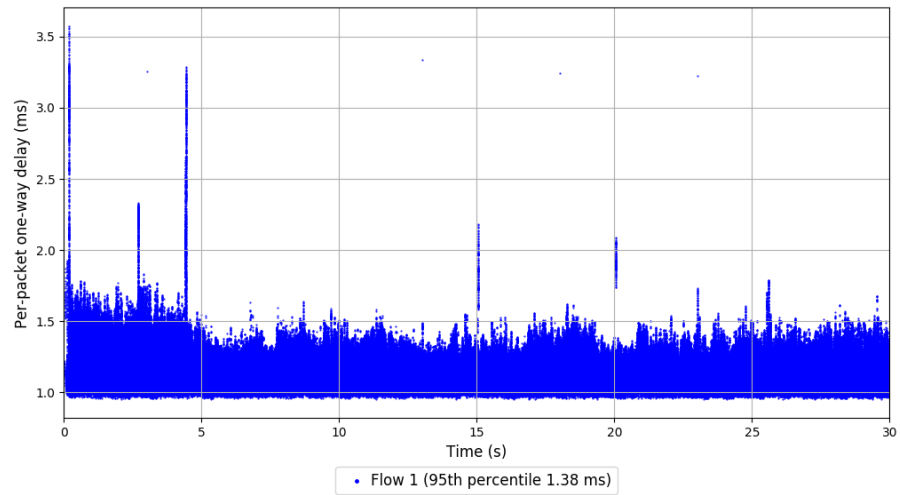```

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

```
Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 09:16:43
End at: 2017-09-21 09:17:13
Local clock offset: -0.325 ms
Remote clock offset: -2.154 ms


# Below is generated by plot.py at 2017-09-21 16:45:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.54 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 252.54 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.07%
```
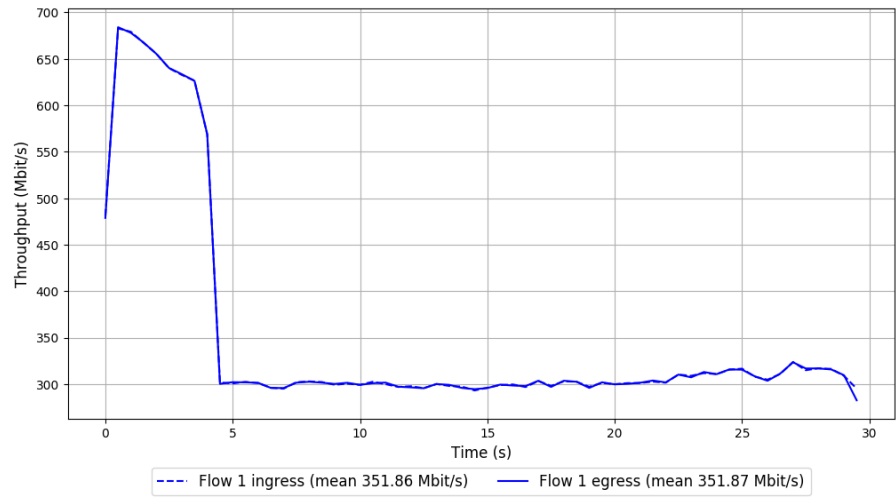
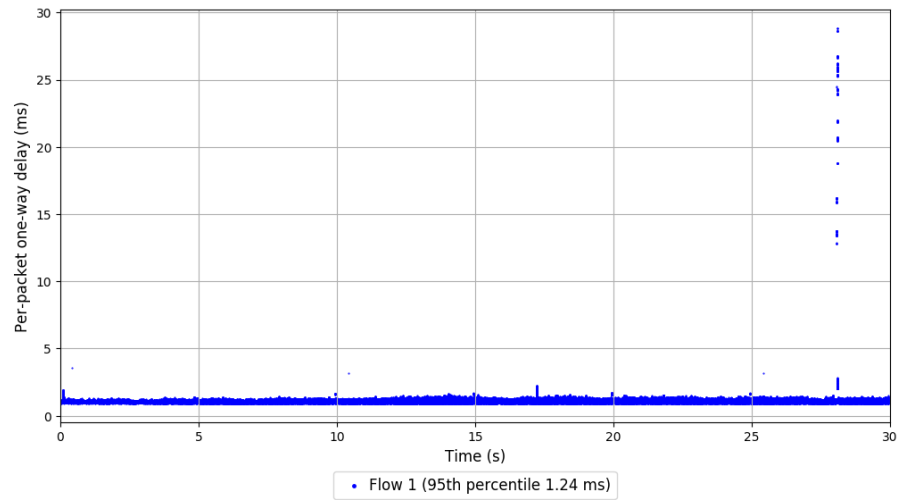Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-09-21 09:35:47
End at: 2017-09-21 09:36:17
Local clock offset: -0.304 ms
Remote clock offset: -1.906 ms


# Below is generated by plot.py at 2017-09-21 16:45:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.44 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 272.44 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.07%
```
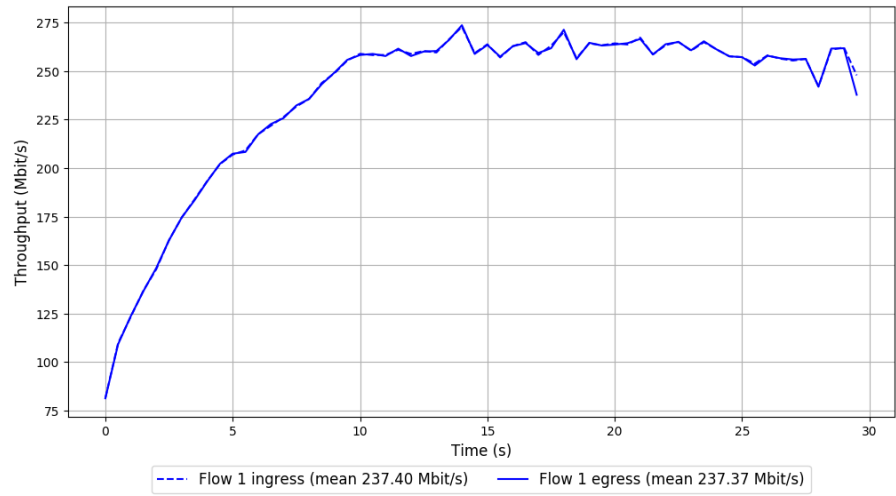
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 09:55:06
End at: 2017-09-21 09:55:36
Local clock offset: -0.191 ms
Remote clock offset: -1.797 ms


# Below is generated by plot.py at 2017-09-21 16:45:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 351.87 Mbit/s
95th percentile per-packet one-way delay: 1.379 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 351.87 Mbit/s
95th percentile per-packet one-way delay: 1.379 ms
Loss rate: 0.06%
```
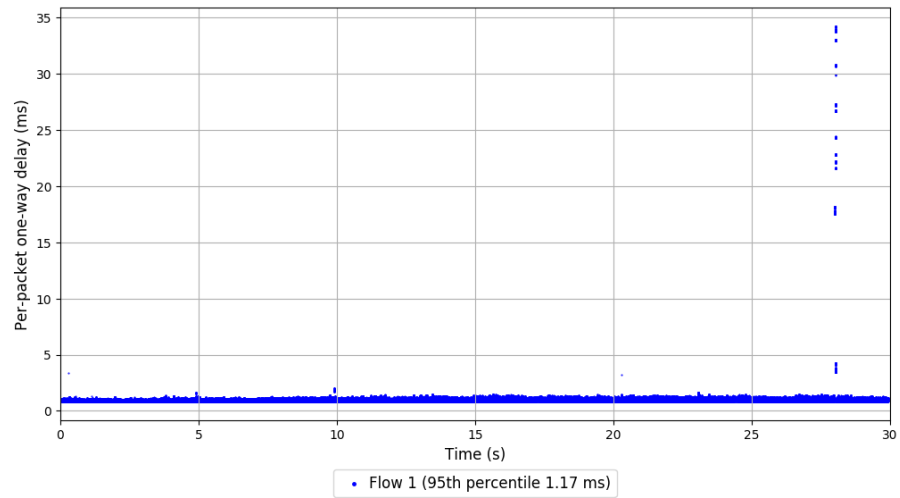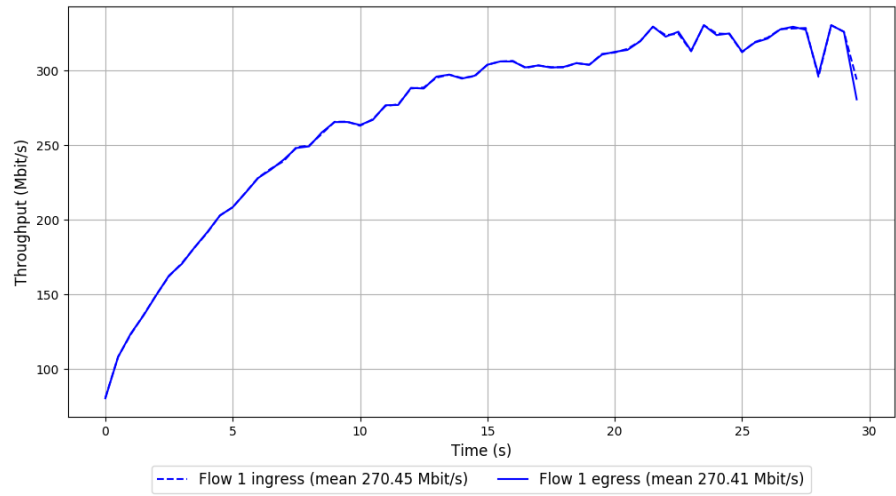
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2017-09-21 10:14:37
End at: 2017-09-21 10:15:07
Local clock offset: -0.048 ms
Remote clock offset: -1.452 ms


# Below is generated by plot.py at 2017-09-21 16:45:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.37 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 237.37 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.07%
```
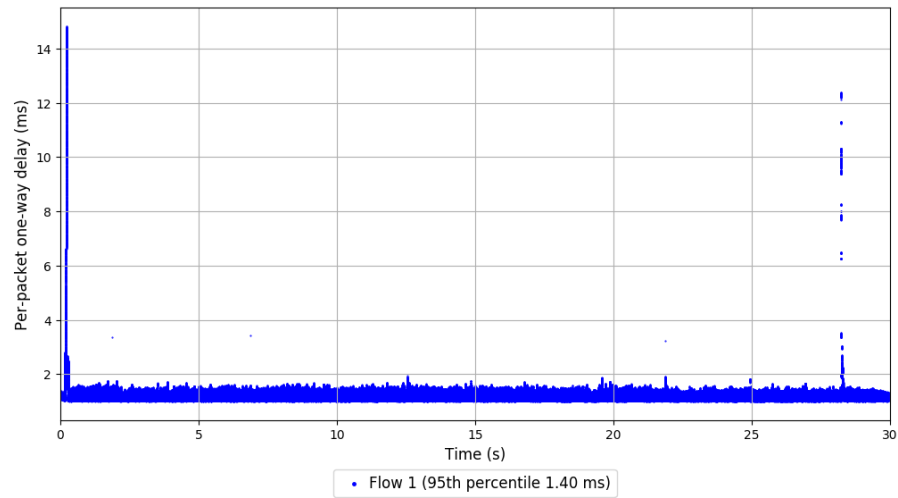
Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 237.40 Mbit/s)   Flow 1 egress (mean 237.37 Mbit/s)
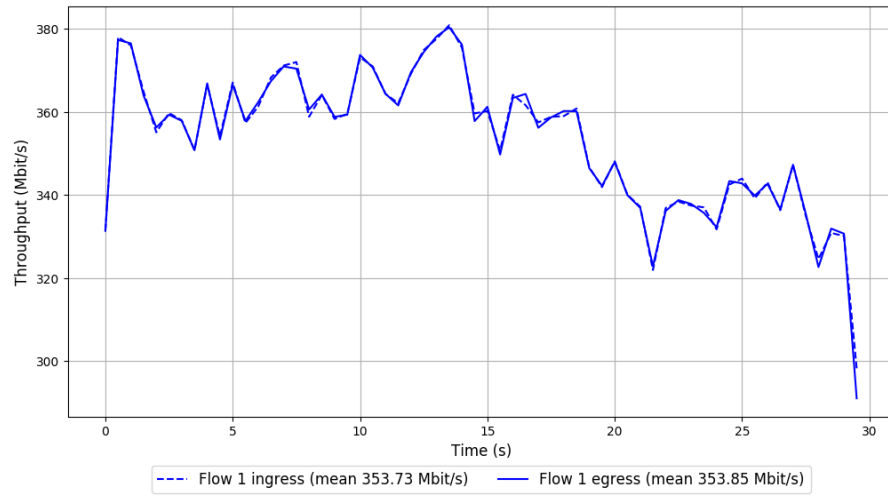

• Flow 1 (95th percentile 1.24 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2017-09-21 10:33:50
End at: 2017-09-21 10:34:20
Local clock offset: -0.13 ms
Remote clock offset: -1.236 ms


# Below is generated by plot.py at 2017-09-21 16:46:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.41 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 270.41 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.08%
```
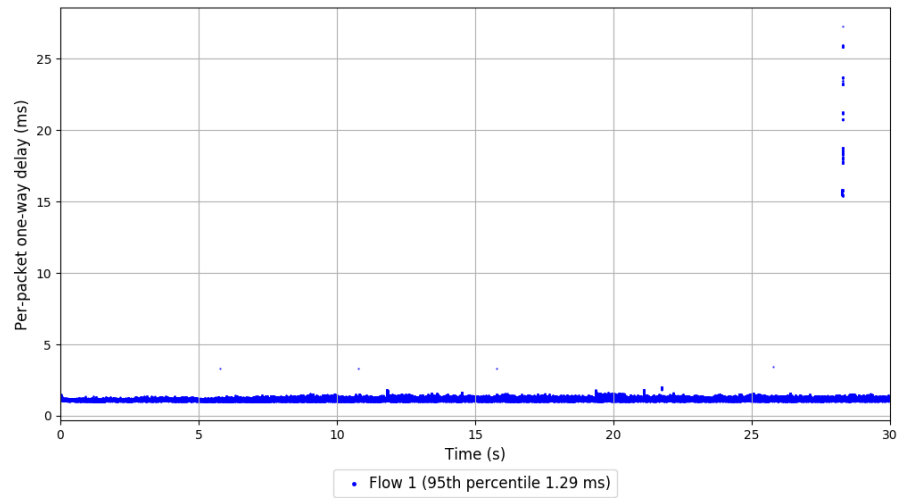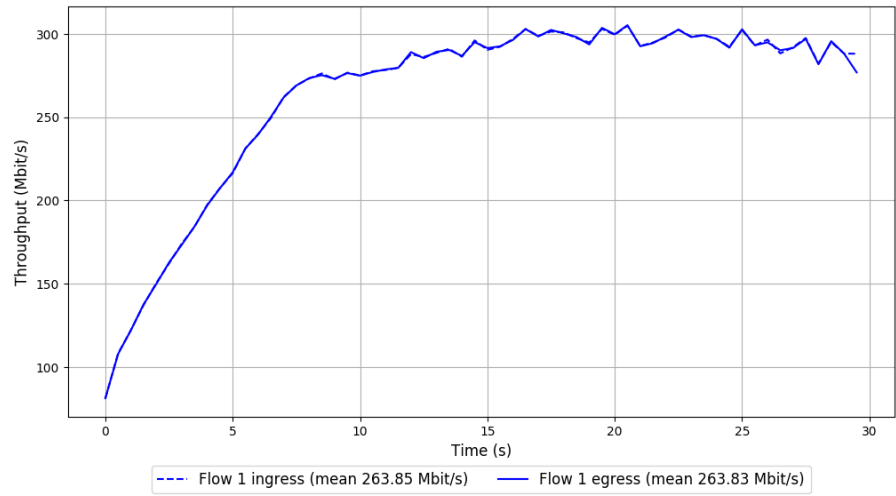
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 270.45 Mbit/s) — Flow 1 egress (mean 270.41 Mbit/s)

· Flow 1 (95th percentile 1.17 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2017-09-21 10:53:05
End at: 2017-09-21 10:53:36
Local clock offset: -0.113 ms
Remote clock offset: -1.463 ms


# Below is generated by plot.py at 2017-09-21 16:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.85 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 353.85 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.04%
```
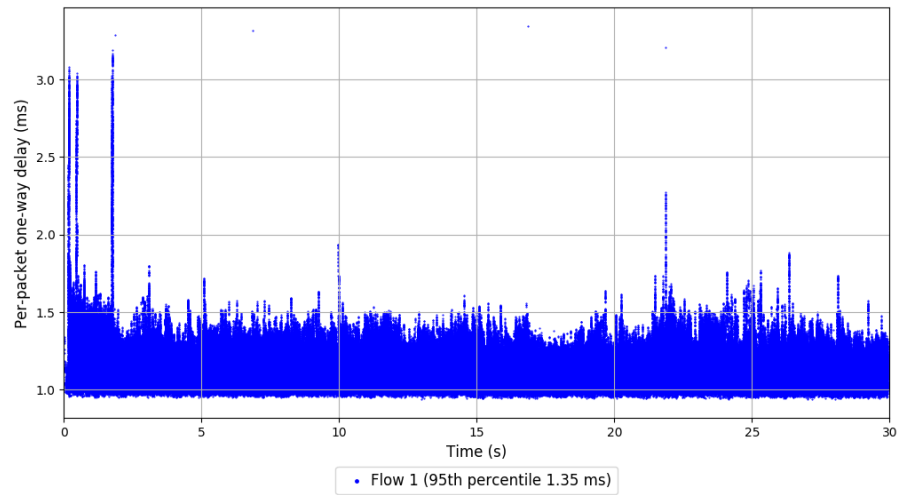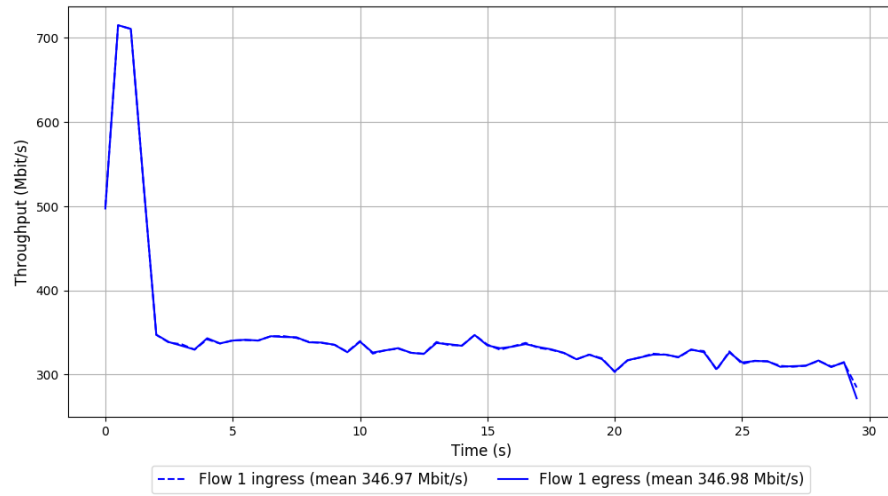
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 353.73 Mbit/s) — — — Flow 1 egress (mean 353.85 Mbit/s)

Flow 1 (95th percentile 1.40 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2017-09-21 11:12:28
End at: 2017-09-21 11:12:58
Local clock offset: -0.167 ms
Remote clock offset: -1.443 ms


# Below is generated by plot.py at 2017-09-21 16:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.83 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 263.83 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.08%
```
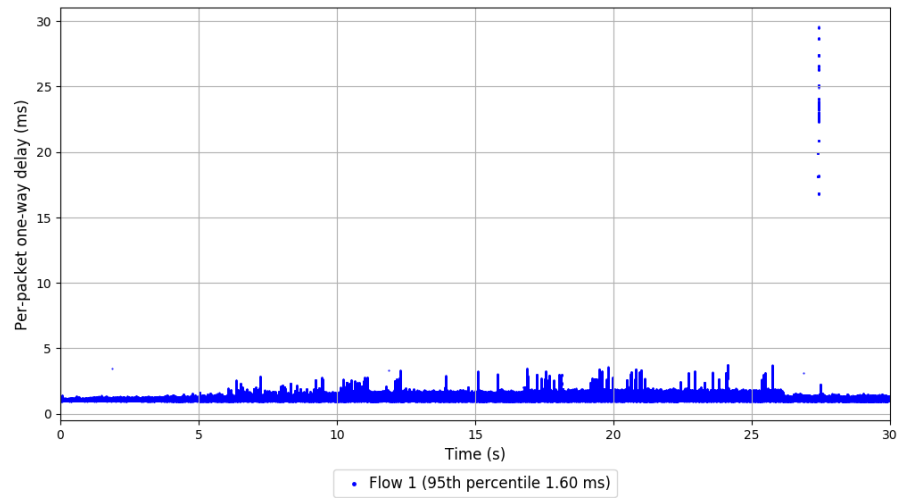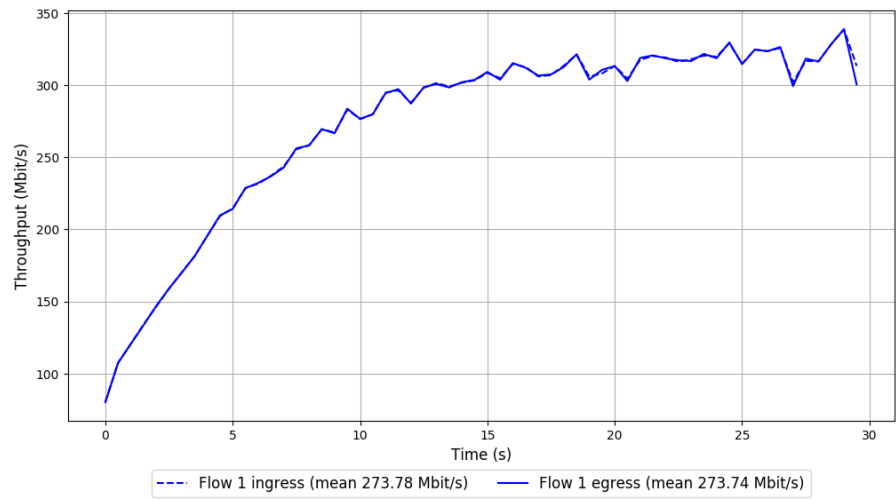
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 263.85 Mbit/s) — Flow 1 egress (mean 263.83 Mbit/s)

Flow 1 (95th percentile 1.29 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2017-09-21 11:31:43
End at: 2017-09-21 11:32:13
Local clock offset: -0.203 ms
Remote clock offset: -1.501 ms


# Below is generated by plot.py at 2017-09-21 16:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.98 Mbit/s
95th percentile per-packet one-way delay: 1.353 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 346.98 Mbit/s
95th percentile per-packet one-way delay: 1.353 ms
Loss rate: 0.06%
```
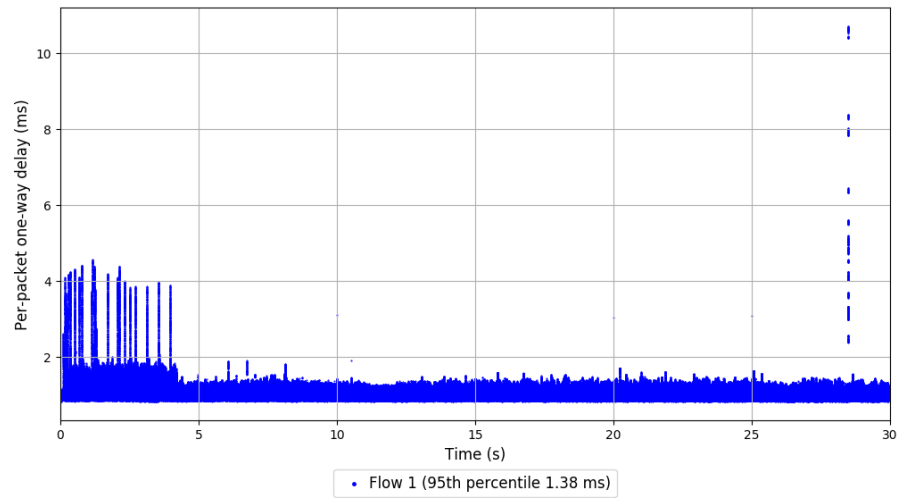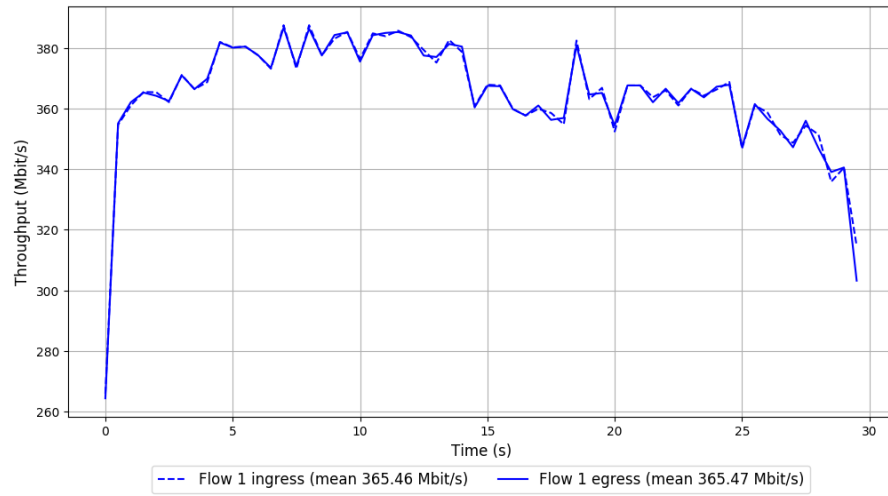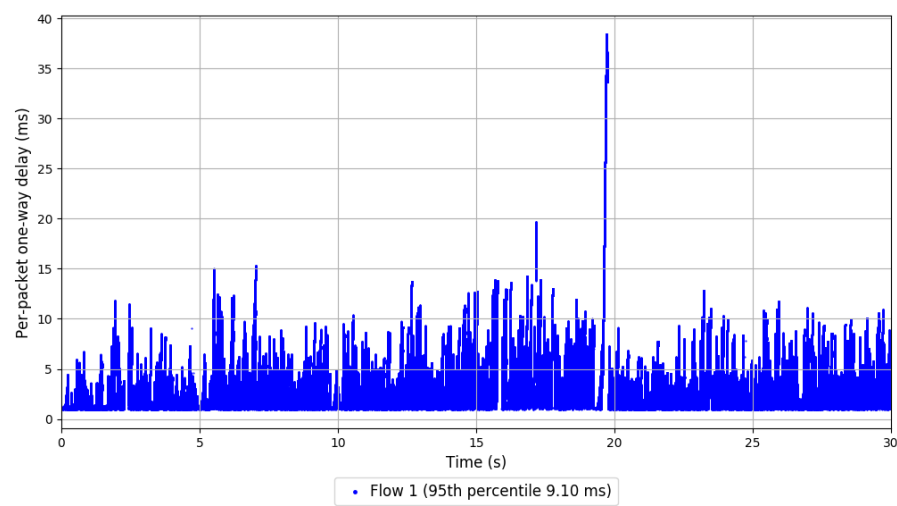
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 346.97 Mbit/s)   Flow 1 egress (mean 346.98 Mbit/s)

Flow 1 (95th percentile 1.35 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2017-09-21 11:50:53
End at: 2017-09-21 11:51:23
Local clock offset: -0.2 ms
Remote clock offset: -1.534 ms


# Below is generated by plot.py at 2017-09-21 16:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.74 Mbit/s
95th percentile per-packet one-way delay: 1.600 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 273.74 Mbit/s
95th percentile per-packet one-way delay: 1.600 ms
Loss rate: 0.09%
```
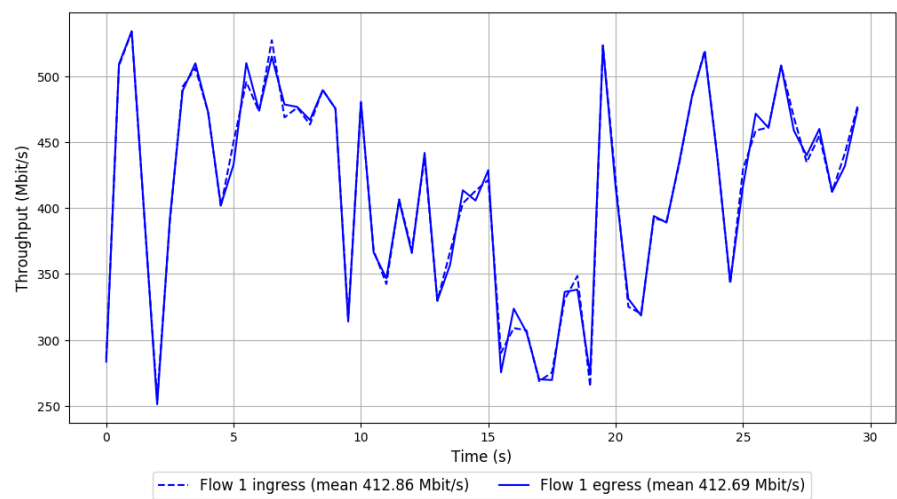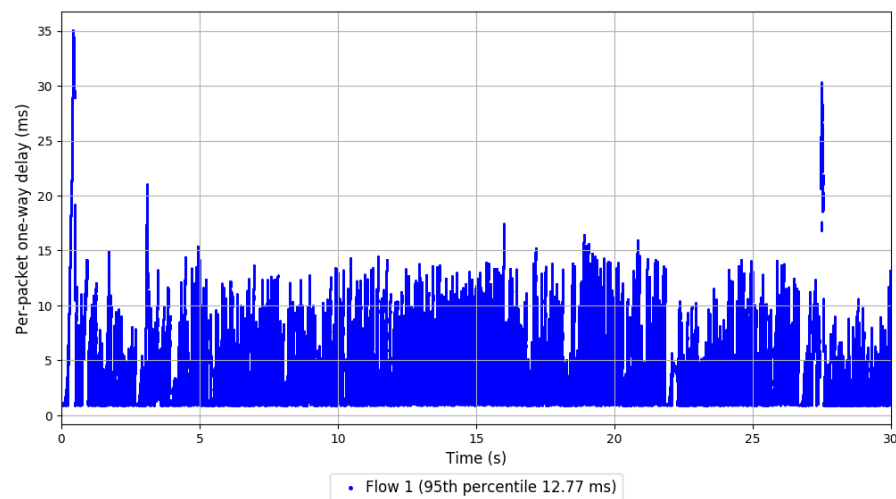
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 273.78 Mbit/s) —— Flow 1 egress (mean 273.74 Mbit/s)
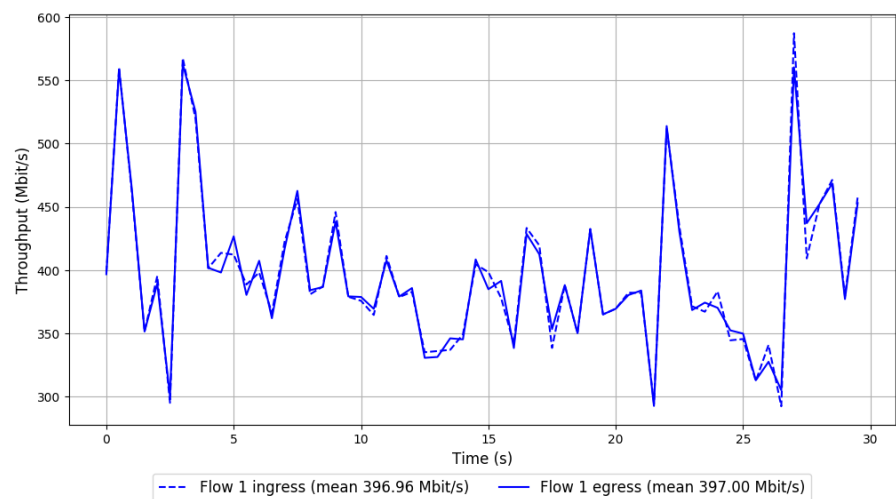

• Flow 1 (95th percentile 1.60 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2017-09-21 12:10:15
End at: 2017-09-21 12:10:45
Local clock offset: -0.297 ms
Remote clock offset: -1.438 ms


# Below is generated by plot.py at 2017-09-21 16:50:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 365.47 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 365.47 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.06%
```

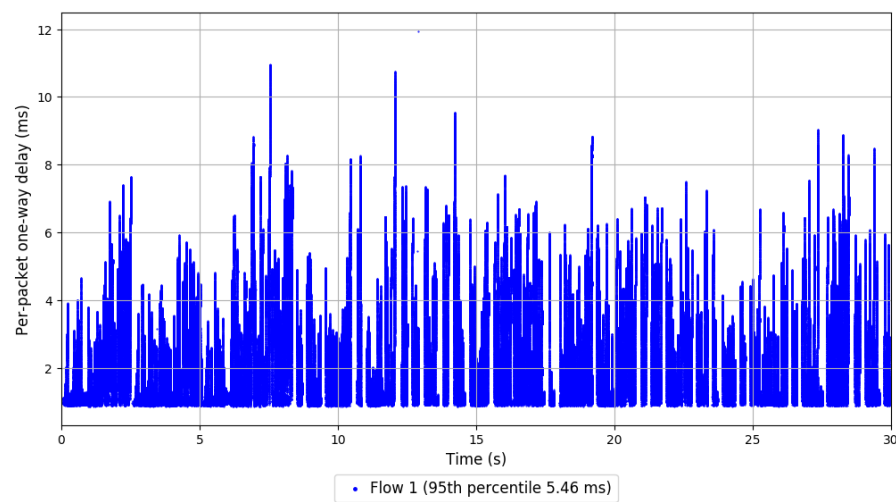Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2017-09-21 09:30:36
End at: 2017-09-21 09:31:06
Local clock offset: -0.306 ms
Remote clock offset: -2.105 ms


# Below is generated by plot.py at 2017-09-21 16:51:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.69 Mbit/s
95th percentile per-packet one-way delay: 9.101 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 412.69 Mbit/s
95th percentile per-packet one-way delay: 9.101 ms
Loss rate: 0.05%
```

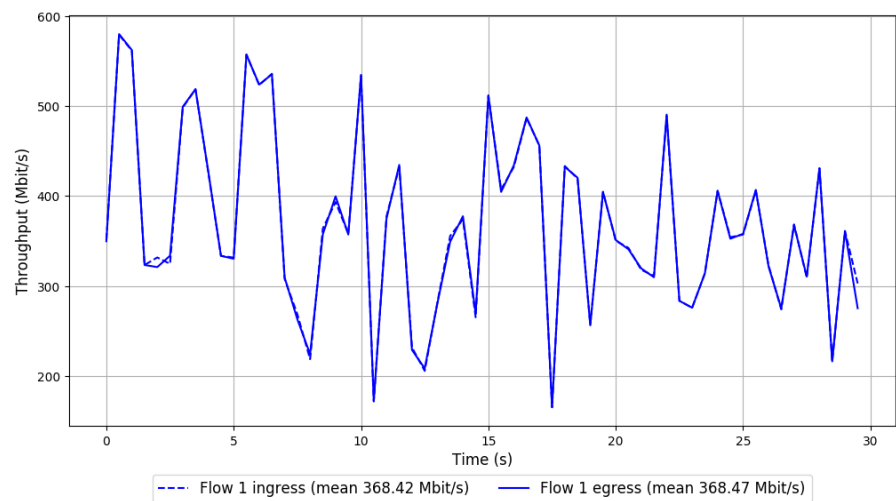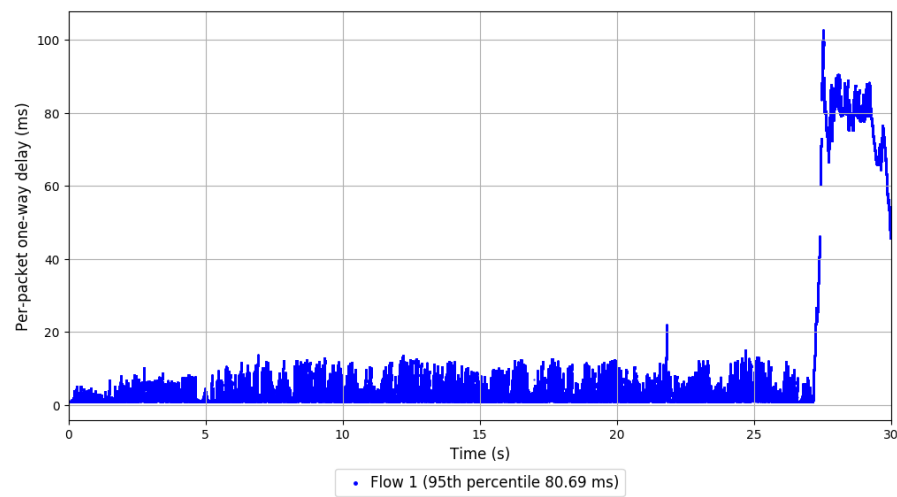Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 412.86 Mbit/s)   Flow 1 egress (mean 412.69 Mbit/s)
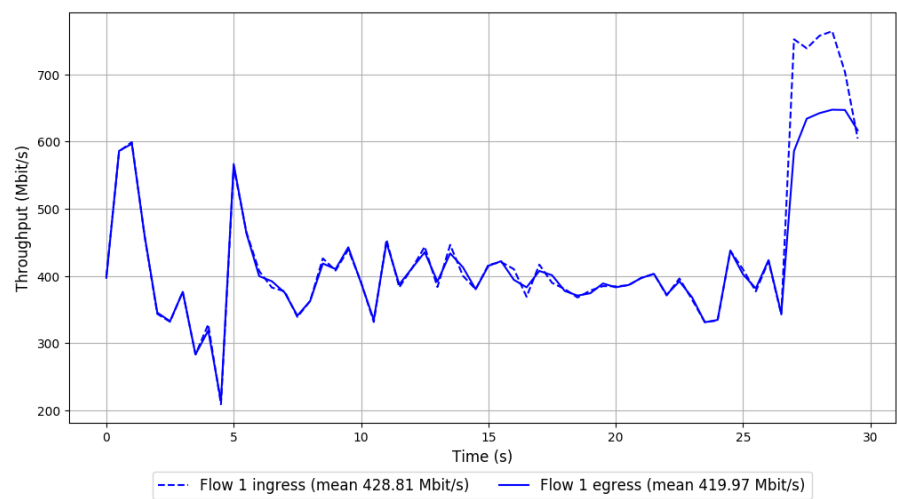

• Flow 1 (95th percentile 9.10 ms)

```
Run 2: Statistics of Verus

Start at: 2017-09-21 09:49:57
End at: 2017-09-21 09:50:27
Local clock offset: -0.247 ms
Remote clock offset: -1.718 ms


# Below is generated by plot.py at 2017-09-21 16:51:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 397.00 Mbit/s
95th percentile per-packet one-way delay: 12.773 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 397.00 Mbit/s
95th percentile per-packet one-way delay: 12.773 ms
Loss rate: 0.04%
```
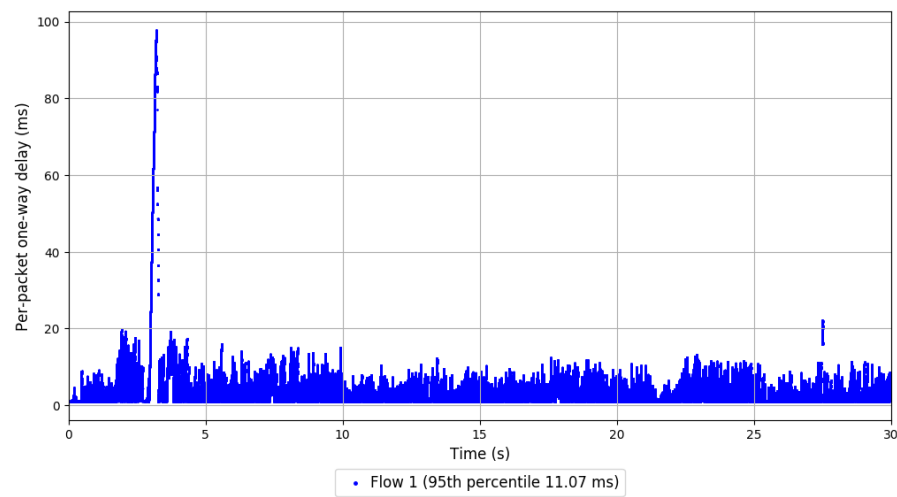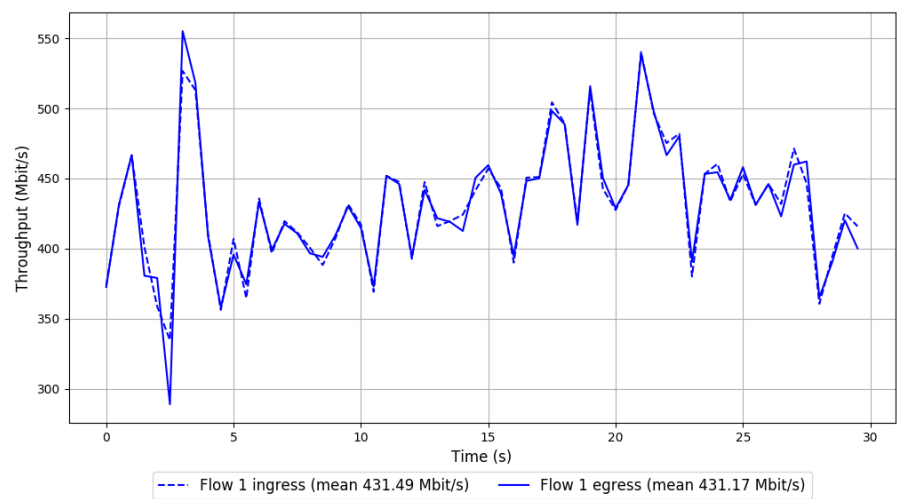
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2017-09-21 10:09:27
End at: 2017-09-21 10:09:57
Local clock offset: -0.15 ms
Remote clock offset: -1.535 ms


# Below is generated by plot.py at 2017-09-21 16:52:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.47 Mbit/s
95th percentile per-packet one-way delay: 5.461 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 368.47 Mbit/s
95th percentile per-packet one-way delay: 5.461 ms
Loss rate: 0.13%
```

Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2017-09-21 10:28:39
End at: 2017-09-21 10:29:09
Local clock offset: -0.139 ms
Remote clock offset: -1.356 ms


# Below is generated by plot.py at 2017-09-21 16:53:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 419.97 Mbit/s
95th percentile per-packet one-way delay: 80.689 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 419.97 Mbit/s
95th percentile per-packet one-way delay: 80.689 ms
Loss rate: 2.13%
```
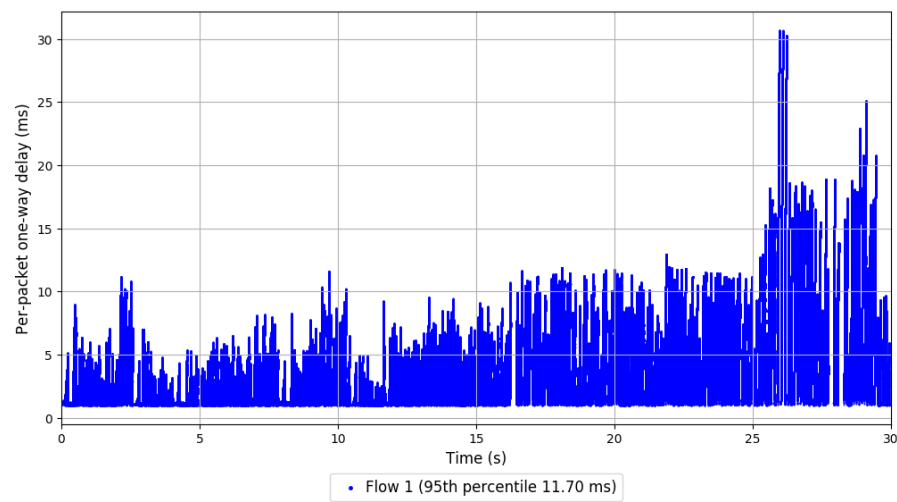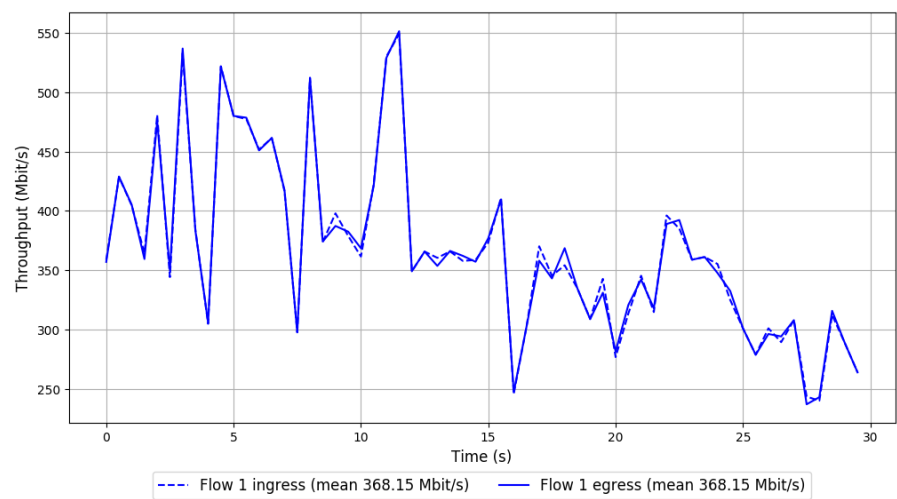
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-09-21 10:47:54
End at: 2017-09-21 10:48:24
Local clock offset: -0.155 ms
Remote clock offset: -1.421 ms


# Below is generated by plot.py at 2017-09-21 16:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 431.17 Mbit/s
95th percentile per-packet one-way delay: 11.075 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 431.17 Mbit/s
95th percentile per-packet one-way delay: 11.075 ms
Loss rate: 0.14%
```
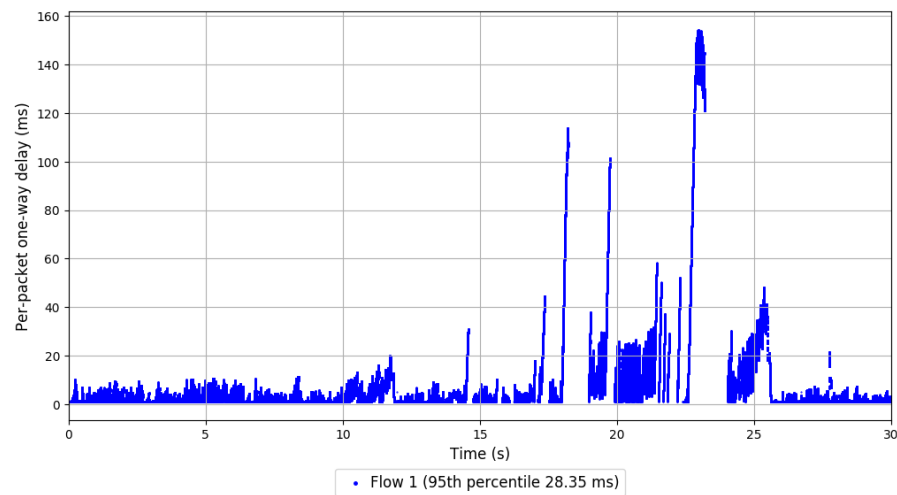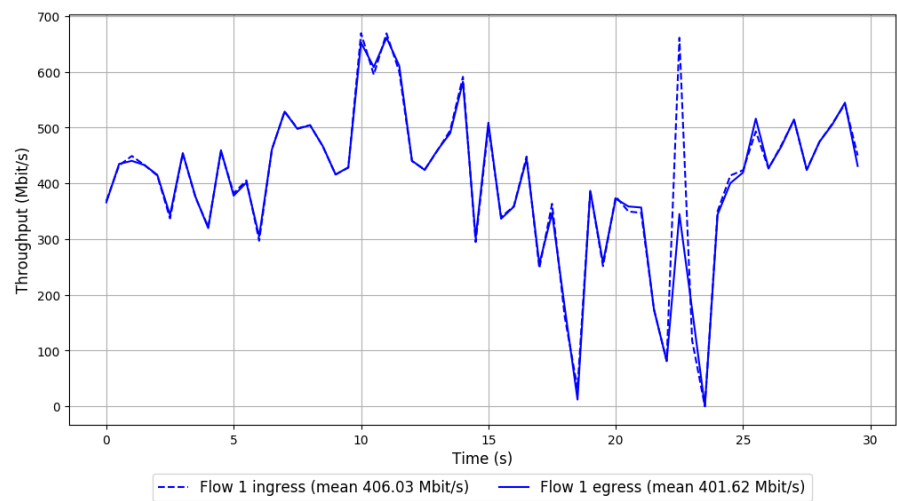
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2017-09-21 11:07:21
End at: 2017-09-21 11:07:51
Local clock offset: -0.25 ms
Remote clock offset: -1.571 ms


# Below is generated by plot.py at 2017-09-21 16:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.15 Mbit/s
95th percentile per-packet one-way delay: 11.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 368.15 Mbit/s
95th percentile per-packet one-way delay: 11.700 ms
Loss rate: 0.00%
```

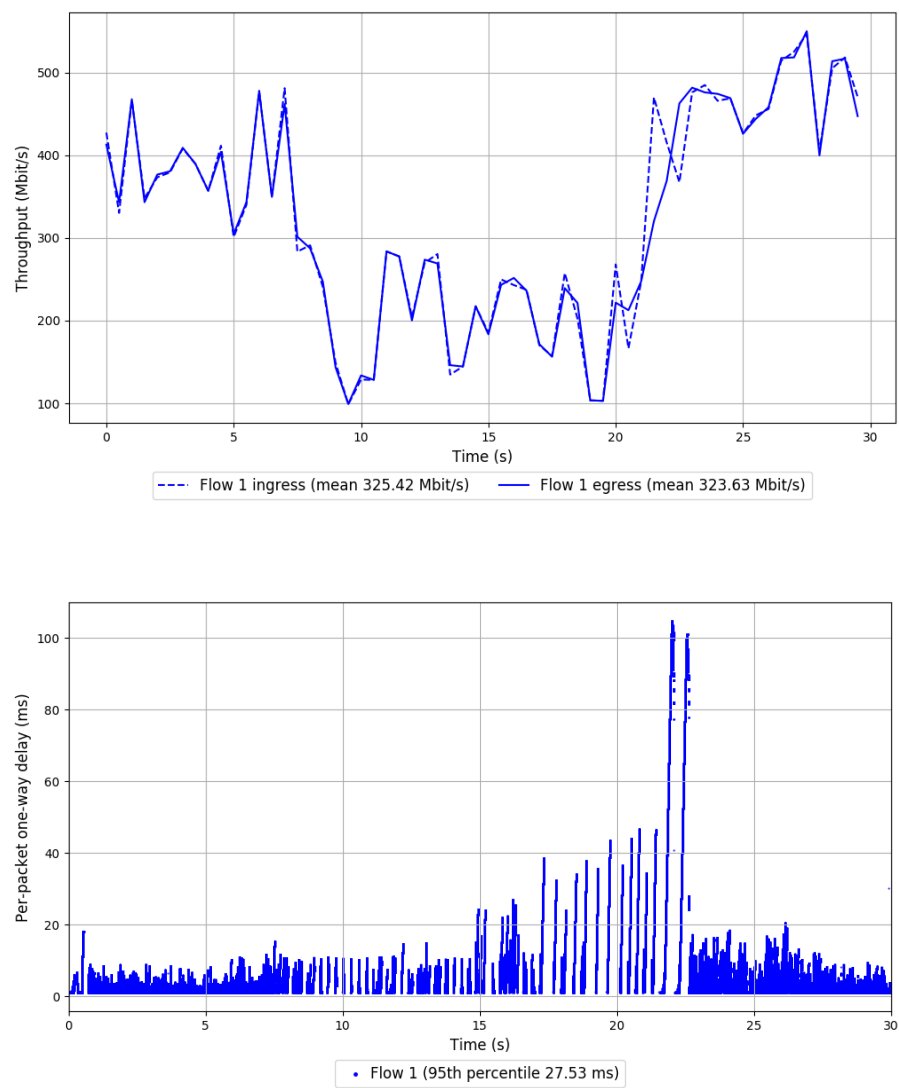Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2017-09-21 11:26:33
End at: 2017-09-21 11:27:03
Local clock offset: -0.206 ms
Remote clock offset: -1.571 ms


# Below is generated by plot.py at 2017-09-21 16:54:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 401.62 Mbit/s
95th percentile per-packet one-way delay: 28.350 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 401.62 Mbit/s
95th percentile per-packet one-way delay: 28.350 ms
Loss rate: 1.15%
```
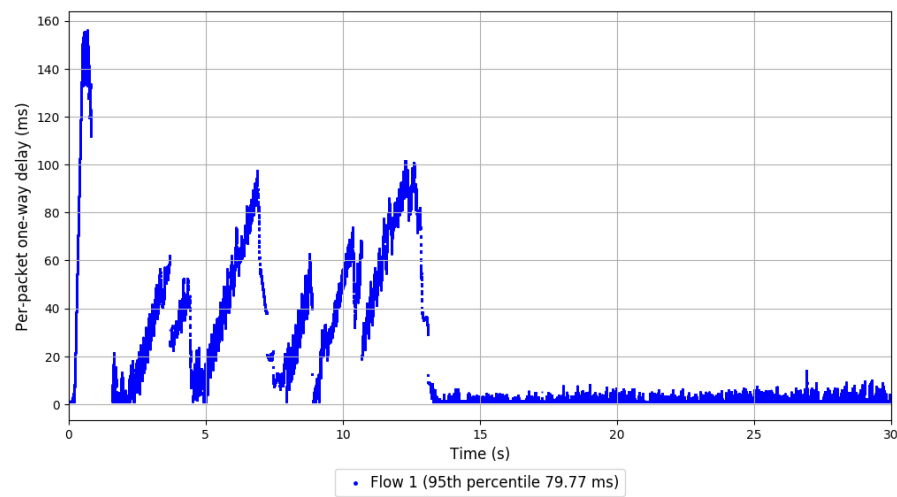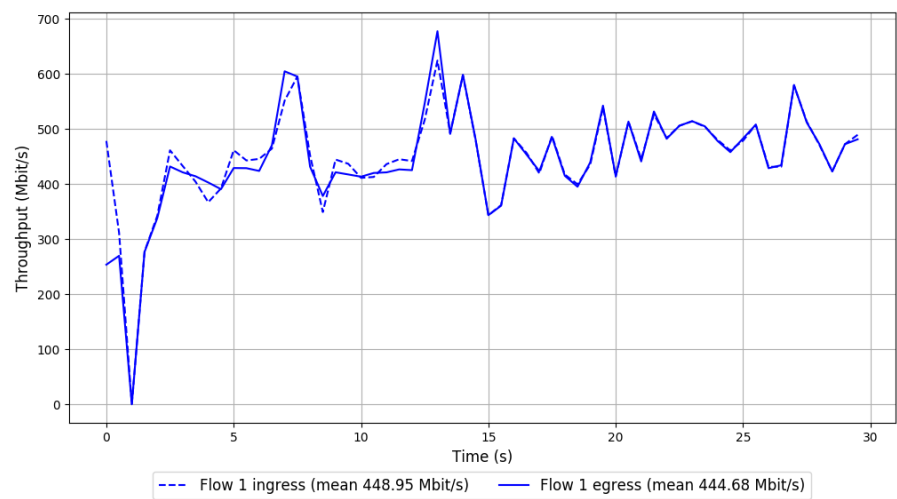
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-09-21 11:45:48
End at: 2017-09-21 11:46:18
Local clock offset: -0.2 ms
Remote clock offset: -1.683 ms


# Below is generated by plot.py at 2017-09-21 16:55:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.63 Mbit/s
95th percentile per-packet one-way delay: 27.530 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 323.63 Mbit/s
95th percentile per-packet one-way delay: 27.530 ms
Loss rate: 0.61%
```
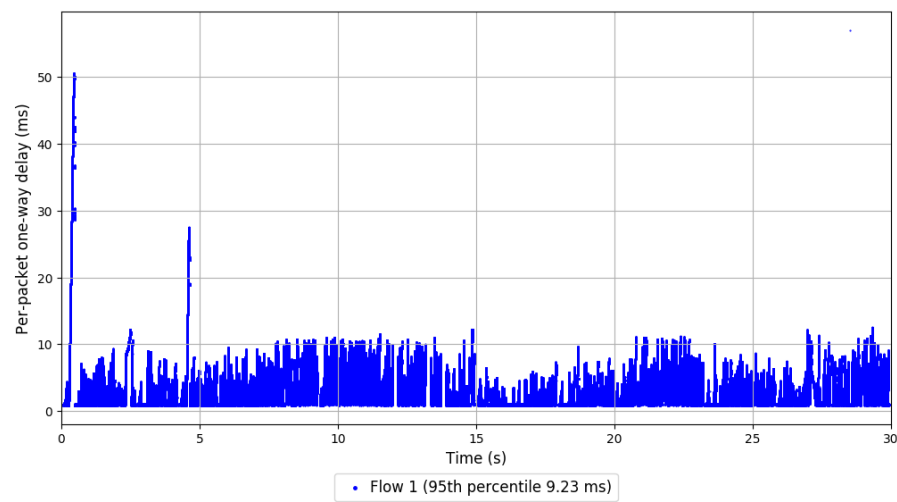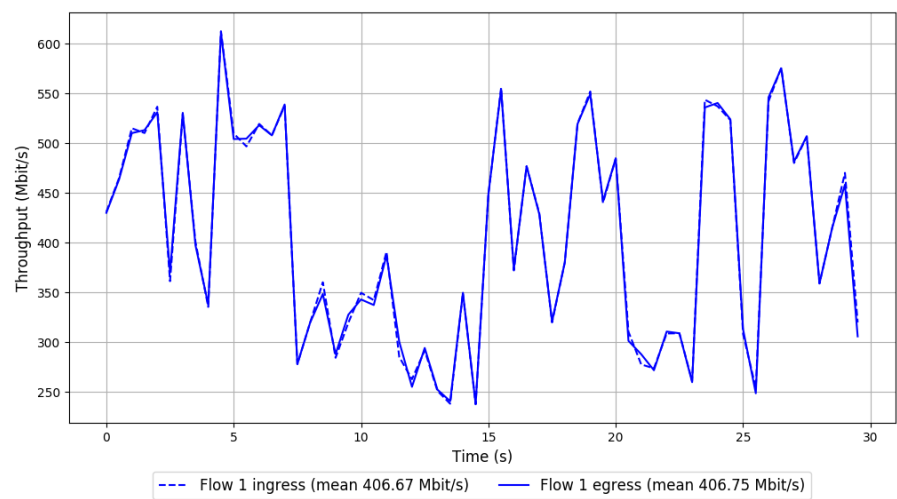
Run 8: Report of Verus — Data Link

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```
Run 9: Statistics of Verus

Start at: 2017-09-21 12:05:01
End at: 2017-09-21 12:05:31
Local clock offset: -0.19 ms
Remote clock offset: -1.439 ms


# Below is generated by plot.py at 2017-09-21 16:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 444.68 Mbit/s
95th percentile per-packet one-way delay: 79.770 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 444.68 Mbit/s
95th percentile per-packet one-way delay: 79.770 ms
Loss rate: 1.02%
```

Run 9: Report of Verus — Data Link
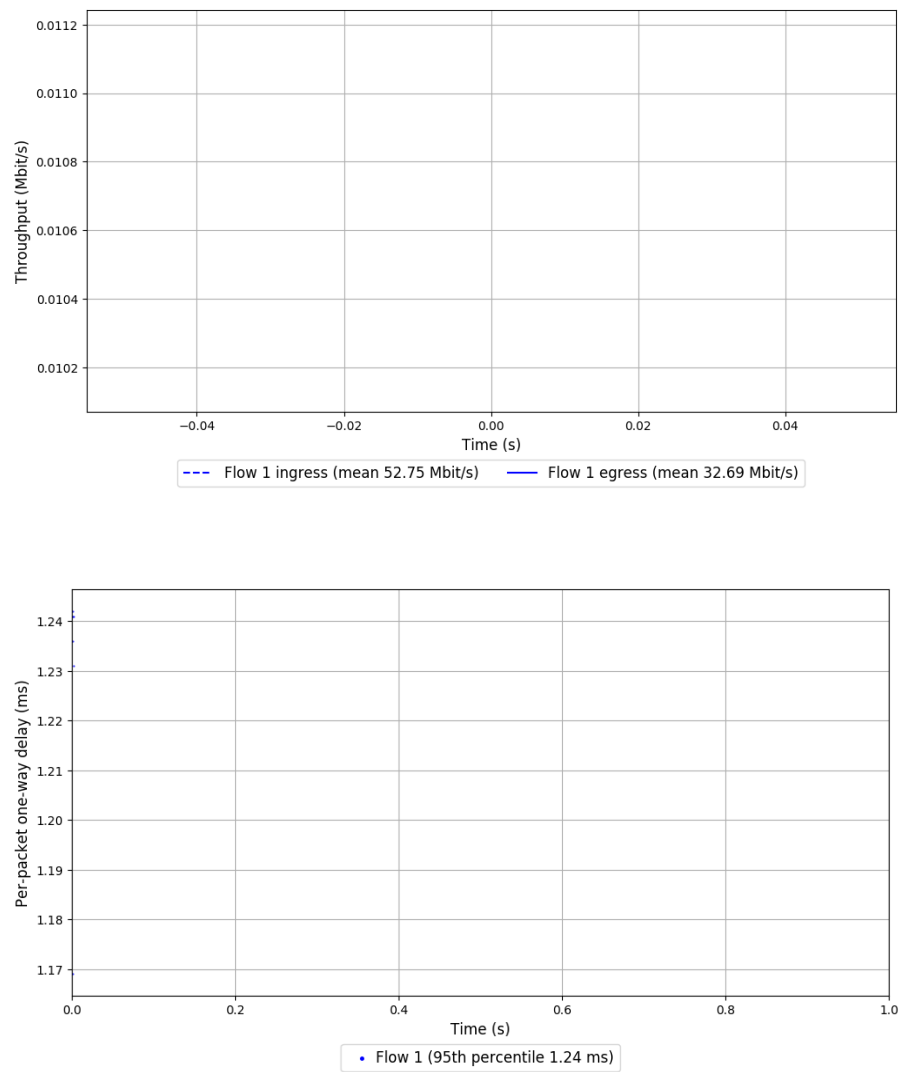
```
Run 10: Statistics of Verus

Start at: 2017-09-21 12:24:37
End at: 2017-09-21 12:25:07
Local clock offset: -0.297 ms
Remote clock offset: -1.616 ms


# Below is generated by plot.py at 2017-09-21 16:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 406.75 Mbit/s
95th percentile per-packet one-way delay: 9.226 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 406.75 Mbit/s
95th percentile per-packet one-way delay: 9.226 ms
Loss rate: 0.11%
```

Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Indigo

Start at: 2017-09-21 09:19:20
End at: 2017-09-21 09:19:50
Local clock offset: -0.223 ms
Remote clock offset: -2.198 ms
```
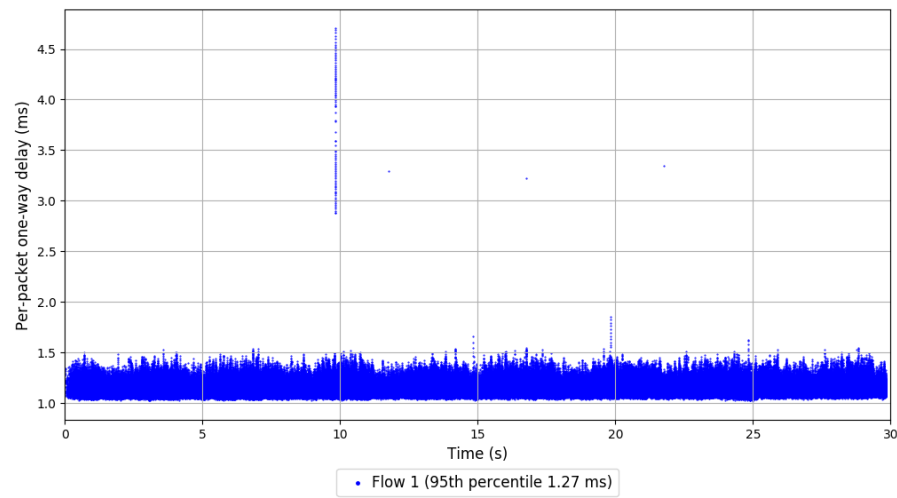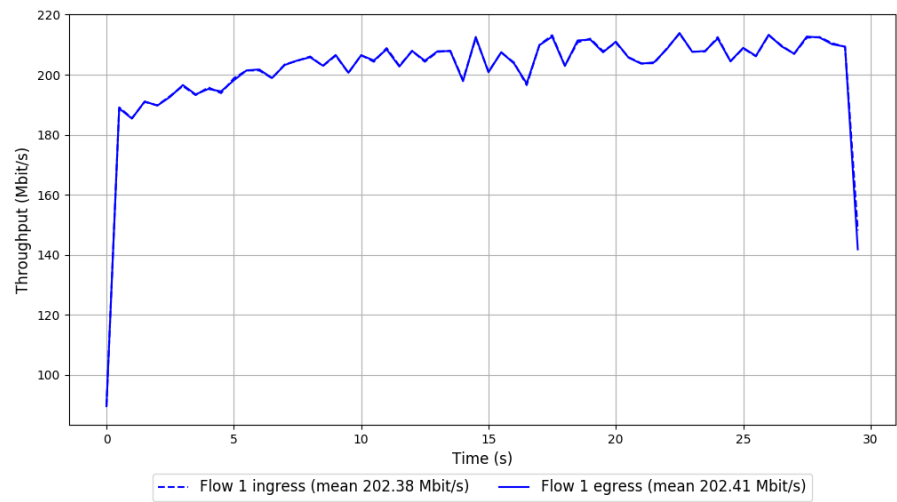
Run 1: Report of Indigo — Data Link

Flow 1 ingress (mean 52.75 Mbit/s)   Flow 1 egress (mean 32.69 Mbit/s)
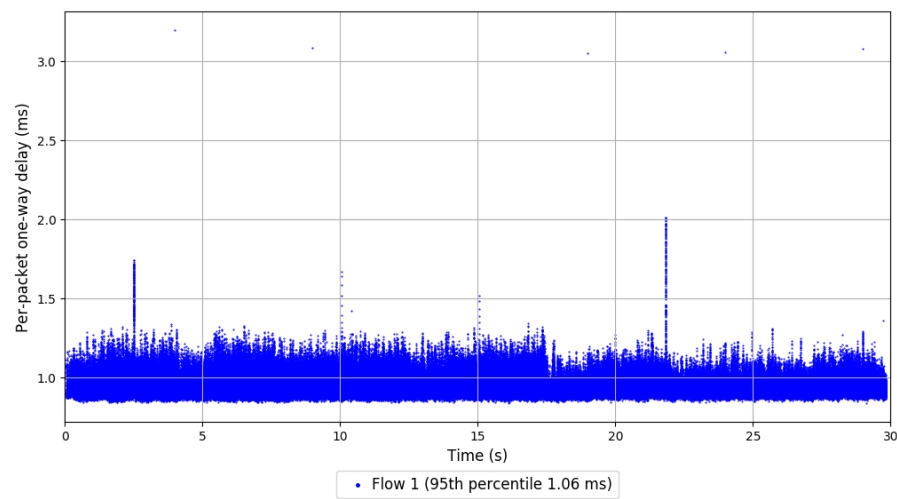

Flow 1 (95th percentile 1.24 ms)

Run 2: Statistics of Indigo

Start at: 2017-09-21 09:38:23
End at: 2017-09-21 09:38:53
Local clock offset: -0.182 ms
Remote clock offset: -1.937 ms

Below is generated by plot.py at 2017-09-21 16:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.41 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 202.41 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.06%

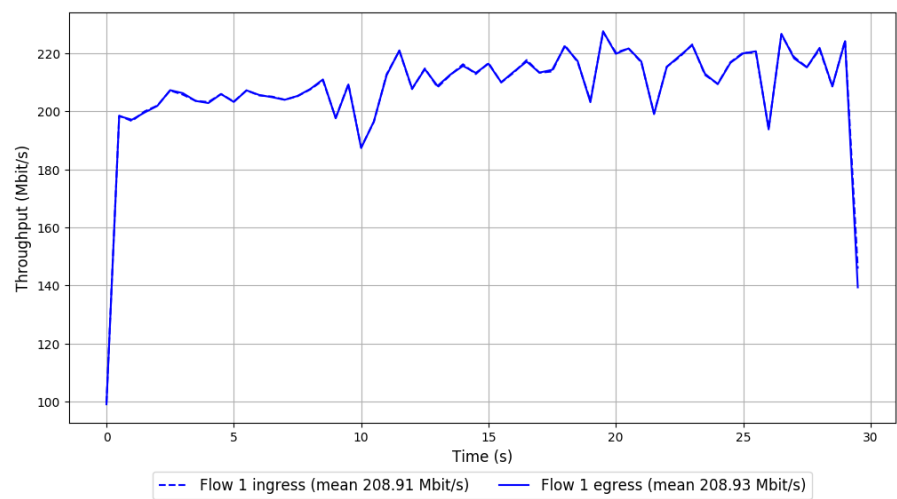Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2017-09-21 09:57:45
End at: 2017-09-21 09:58:15
Local clock offset: -0.192 ms
Remote clock offset: -1.699 ms


# Below is generated by plot.py at 2017-09-21 16:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.93 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 208.93 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.05%
```

Run 3: Report of Indigo — Data Link
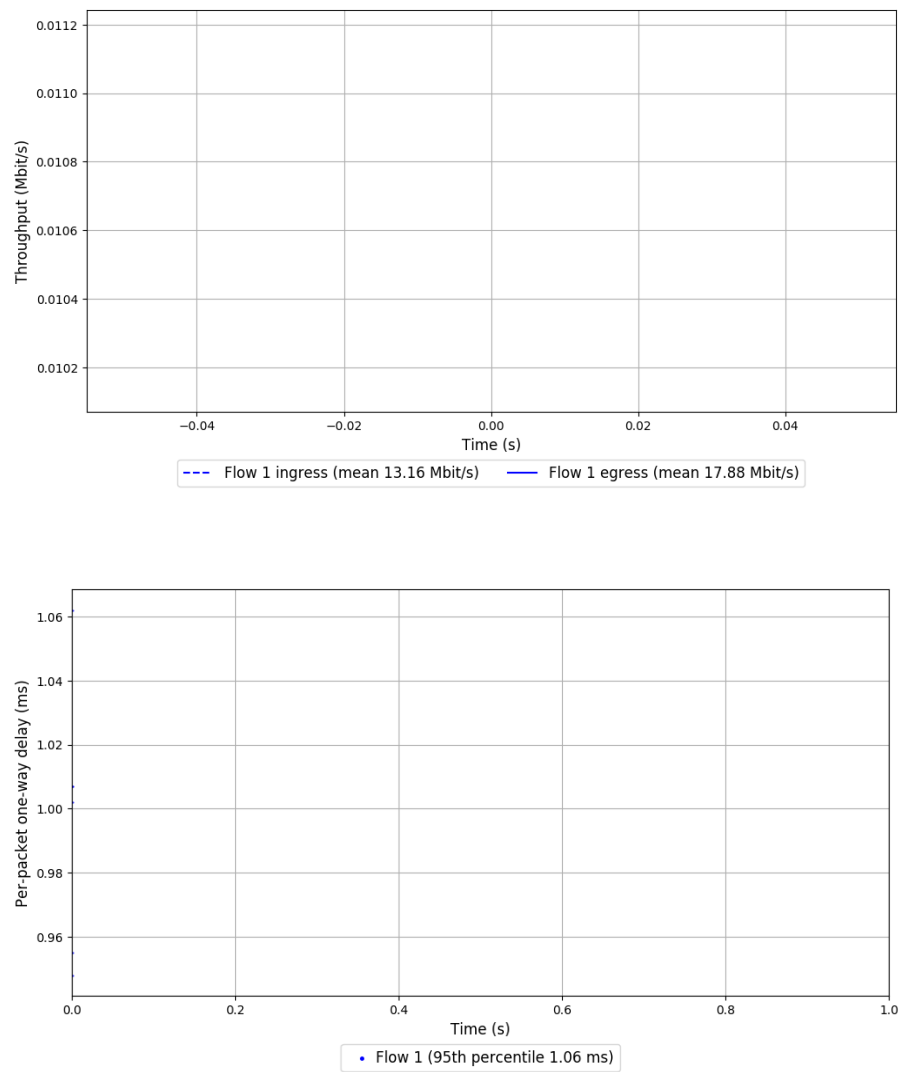
Run 4: Statistics of Indigo

Start at: 2017-09-21 10:17:17
End at: 2017-09-21 10:17:47
Local clock offset: -0.128 ms
Remote clock offset: -1.53 ms
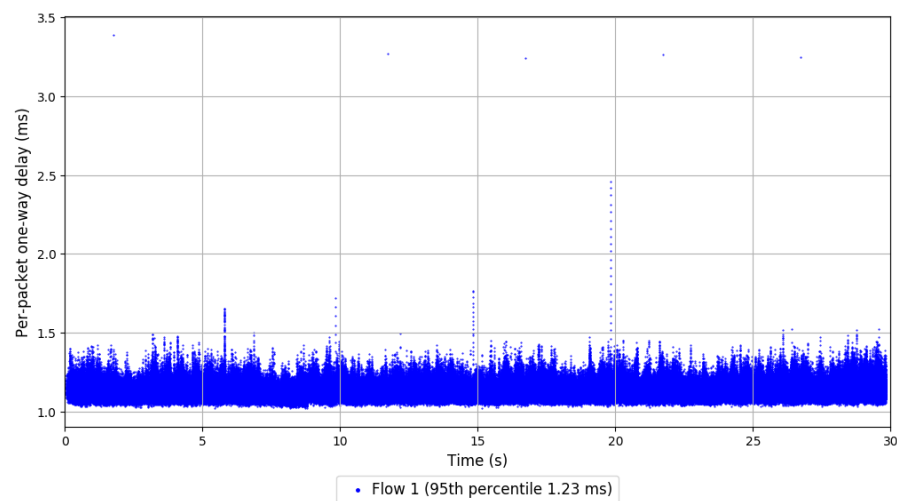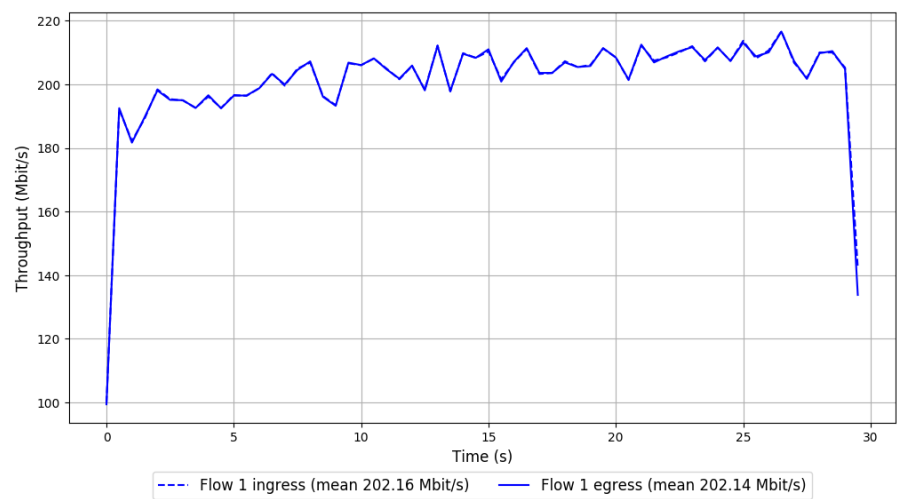
Run 4: Report of Indigo — Data Link

Flow 1 ingress (mean 13.16 Mbit/s)   Flow 1 egress (mean 17.88 Mbit/s)

Flow 1 (95th percentile 1.06 ms)

```
Run 5: Statistics of Indigo

Start at: 2017-09-21 10:36:26
End at: 2017-09-21 10:36:56
Local clock offset: -0.043 ms
Remote clock offset: -1.328 ms

# Below is generated by plot.py at 2017-09-21 16:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.14 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 202.14 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.08%
```

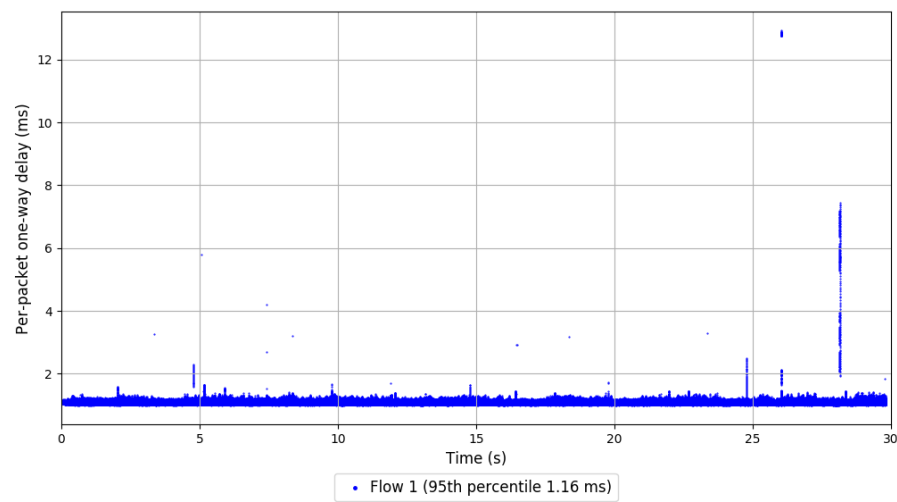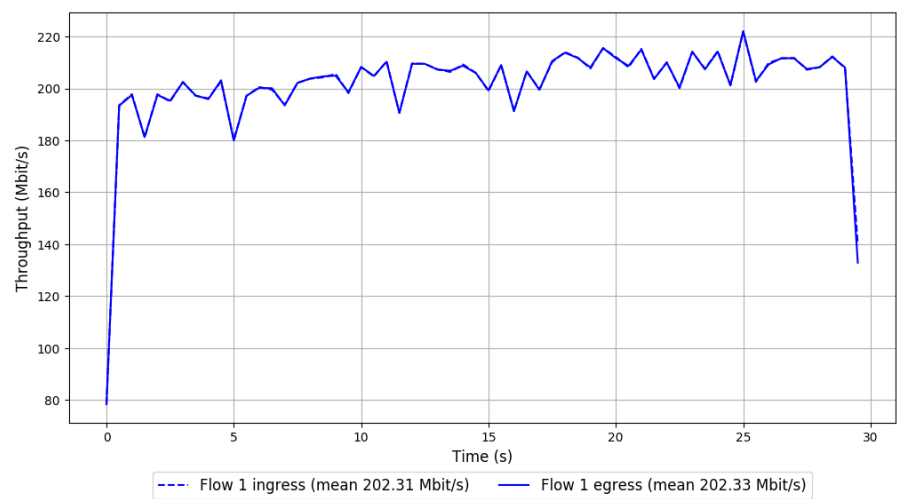Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-09-21 10:55:45
End at: 2017-09-21 10:56:15
Local clock offset: -0.12 ms
Remote clock offset: -1.502 ms


# Below is generated by plot.py at 2017-09-21 16:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.33 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 202.33 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.06%
```
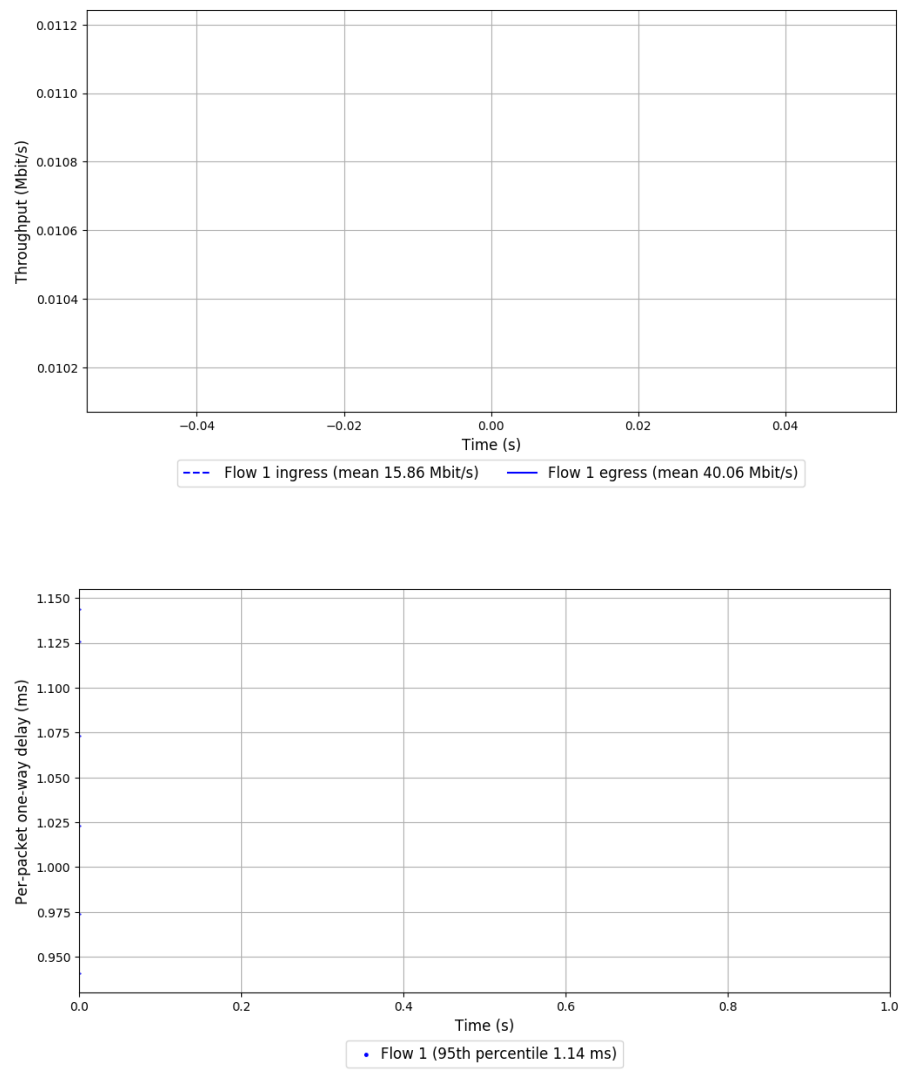
Run 6: Report of Indigo — Data Link

Flow 1 ingress (mean 202.31 Mbit/s)   Flow 1 egress (mean 202.33 Mbit/s)

Flow 1 (95th percentile 1.16 ms)

```
Run 7: Statistics of Indigo

Start at: 2017-09-21 11:15:09
End at: 2017-09-21 11:15:39
Local clock offset: -0.181 ms
Remote clock offset: -1.447 ms
```
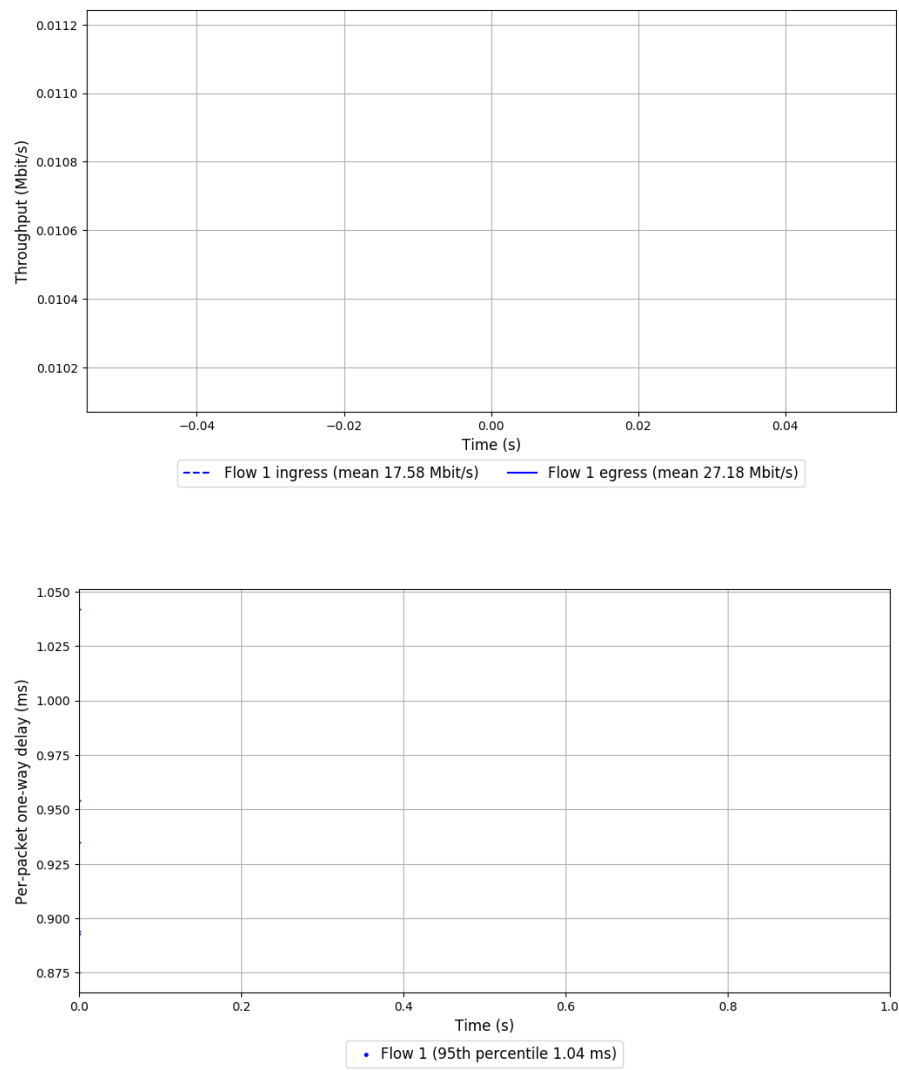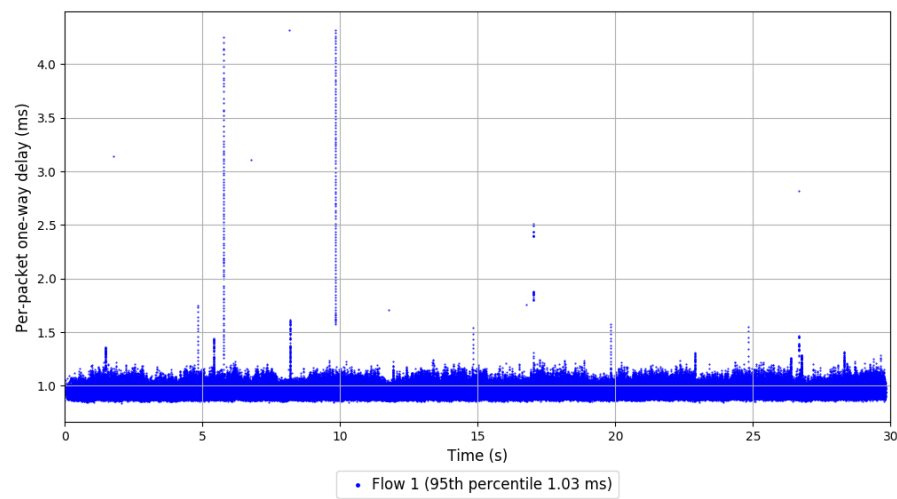
Run 7: Report of Indigo — Data Link

Flow 1 ingress (mean 15.86 Mbit/s)   Flow 1 egress (mean 40.06 Mbit/s)

Flow 1 (95th percentile 1.14 ms)

```
Run 8: Statistics of Indigo

Start at: 2017-09-21 11:34:26
End at: 2017-09-21 11:34:56
Local clock offset: -0.326 ms
Remote clock offset: -1.605 ms
```
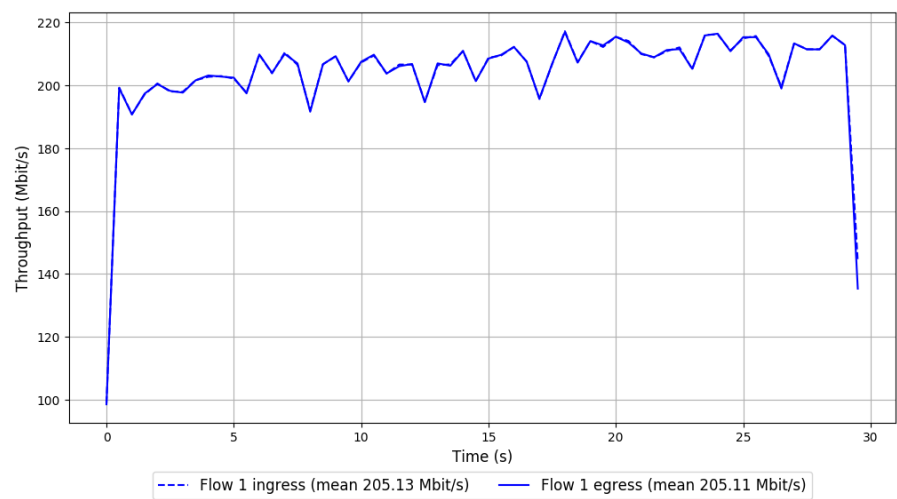
Run 8: Report of Indigo — Data Link

Flow 1 ingress (mean 17.58 Mbit/s)   Flow 1 egress (mean 27.18 Mbit/s)

Flow 1 (95th percentile 1.04 ms)

```
Run 9: Statistics of Indigo

Start at: 2017-09-21 11:53:29
End at: 2017-09-21 11:53:59
Local clock offset: -0.274 ms
Remote clock offset: -1.525 ms


# Below is generated by plot.py at 2017-09-21 16:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.11 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 205.11 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.07%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2017-09-21 12:12:59
End at: 2017-09-21 12:13:29
Local clock offset: -0.31 ms
Remote clock offset: -1.491 ms


# Below is generated by plot.py at 2017-09-21 16:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.70 Mbit/s
95th percentile per-packet one-way delay: 0.974 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 205.70 Mbit/s
95th percentile per-packet one-way delay: 0.974 ms
Loss rate: 0.05%
```
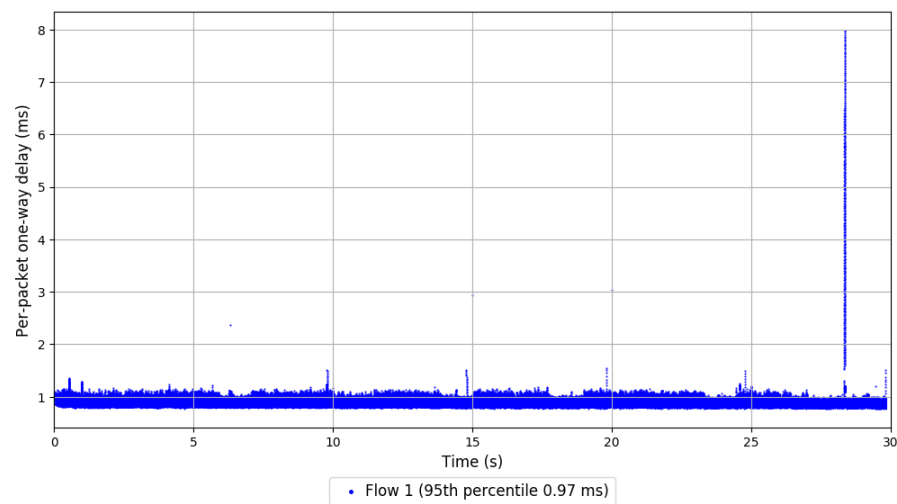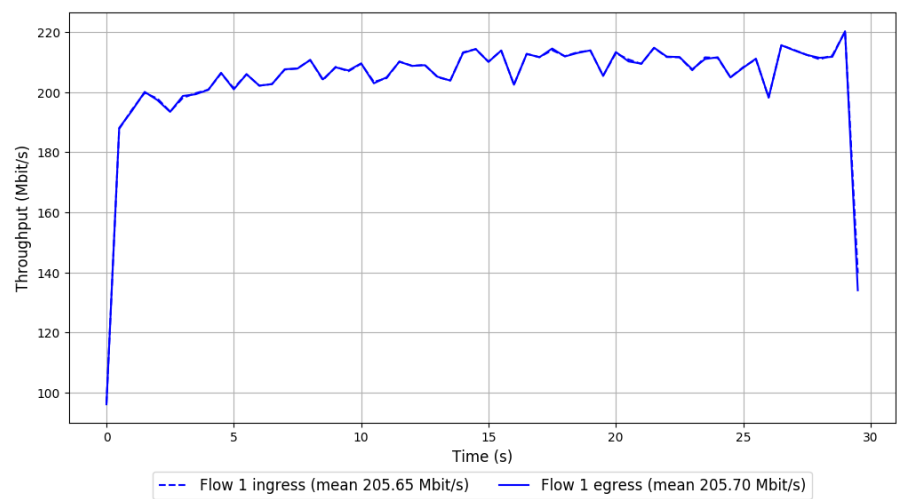
Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 205.65 Mbit/s)   Flow 1 egress (mean 205.70 Mbit/s)

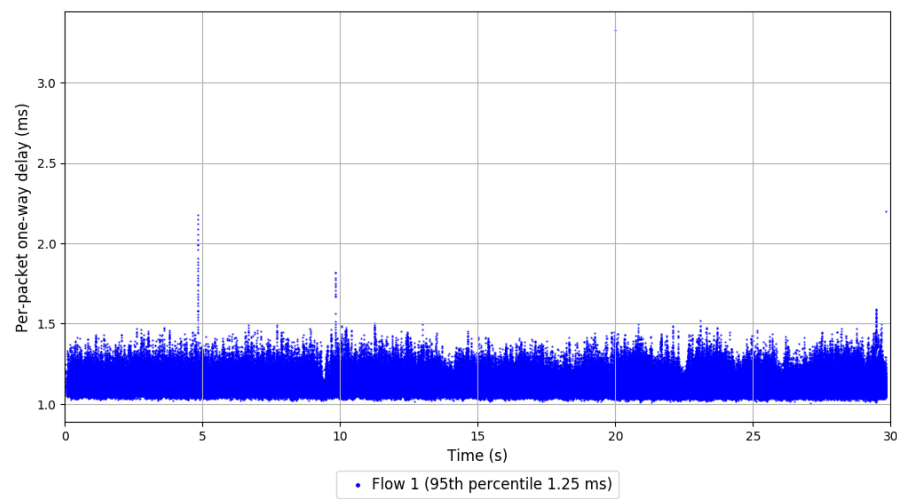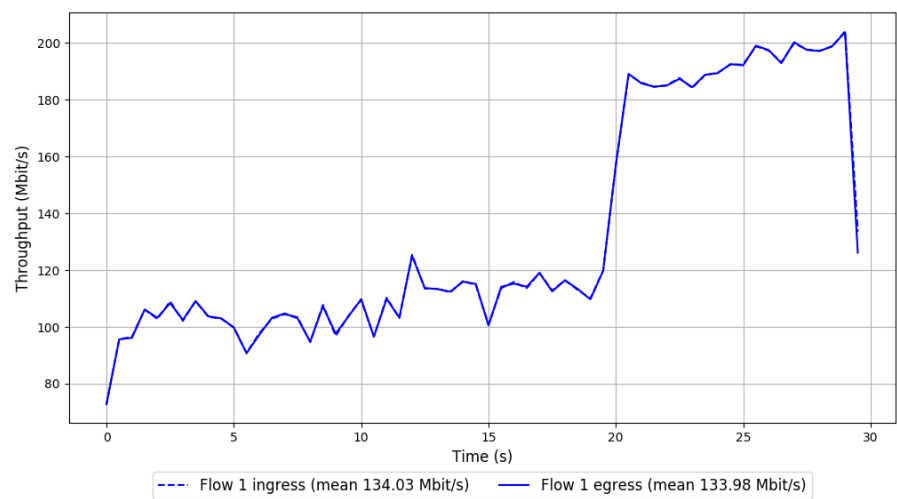Flow 1 (95th percentile 0.97 ms)

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```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 09:18:03
End at: 2017-09-21 09:18:33
Local clock offset: -0.223 ms
Remote clock offset: -2.165 ms


# Below is generated by plot.py at 2017-09-21 16:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.98 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 133.98 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.10%
```
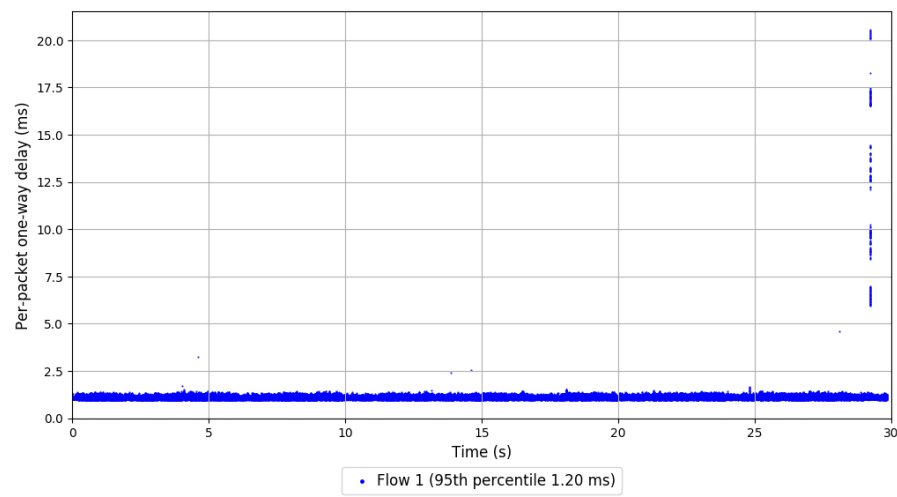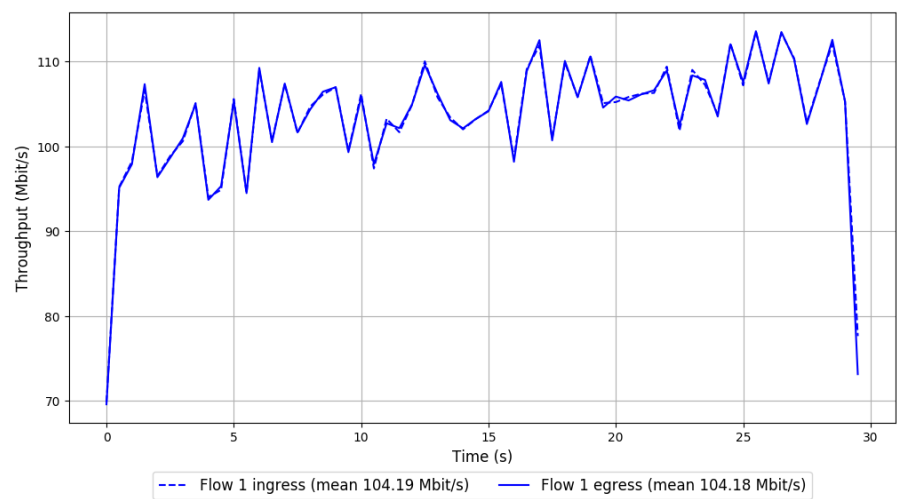
Run 1: Report of Indigo-calib — Data Link

```
Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 09:37:08
End at: 2017-09-21 09:37:38
Local clock offset: -0.183 ms
Remote clock offset: -1.875 ms


# Below is generated by plot.py at 2017-09-21 16:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.18 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 104.18 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.07%
```
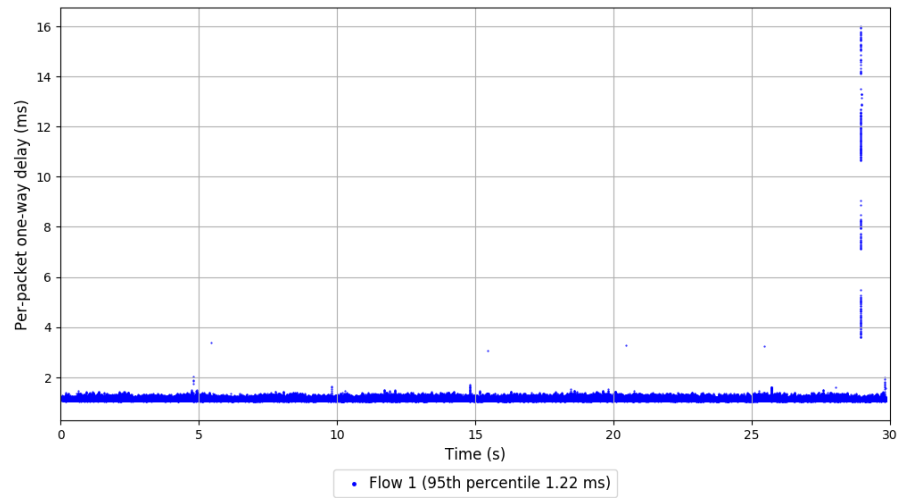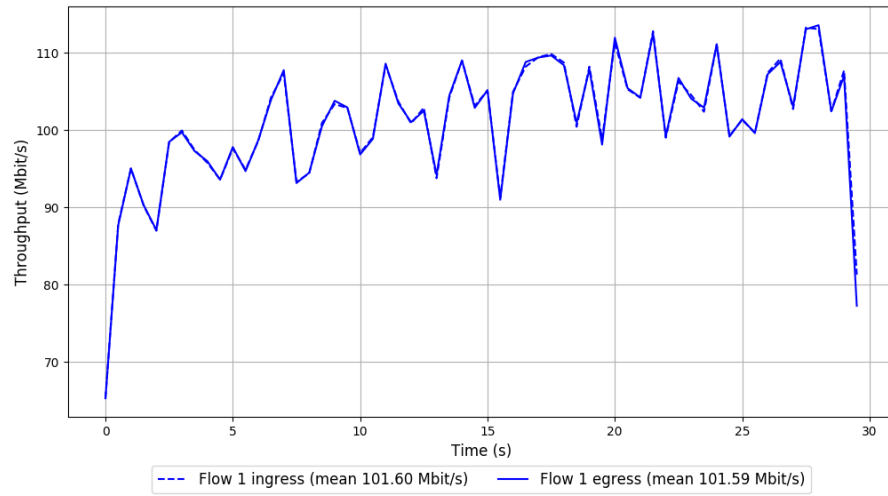
Run 2: Report of Indigo-calib — Data Link

```
Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 09:56:30
End at: 2017-09-21 09:57:00
Local clock offset: -0.106 ms
Remote clock offset: -1.789 ms


# Below is generated by plot.py at 2017-09-21 16:58:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.59 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 101.59 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.08%
```
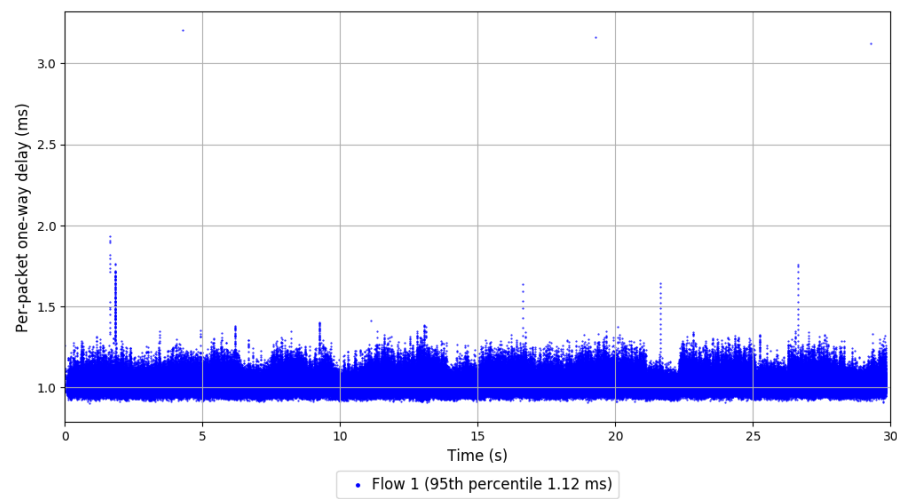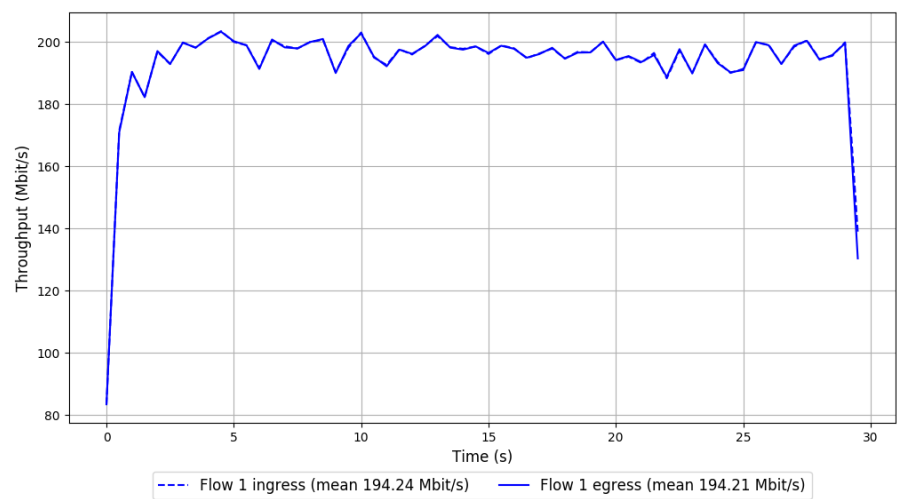
Run 3: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 101.60 Mbit/s) Flow 1 egress (mean 101.59 Mbit/s)

Flow 1 (95th percentile 1.22 ms)

```
Run 4: Statistics of Indigo-calib

Start at: 2017-09-21 10:15:56
End at: 2017-09-21 10:16:26
Local clock offset: -0.147 ms
Remote clock offset: -1.55 ms


# Below is generated by plot.py at 2017-09-21 17:00:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.21 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 194.21 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.08%
```

Run 4: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 194.24 Mbit/s)　　Flow 1 egress (mean 194.21 Mbit/s)
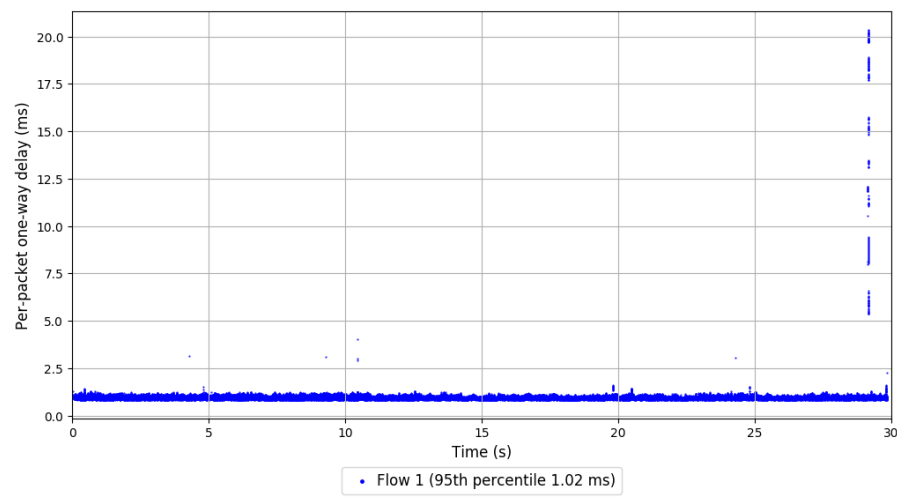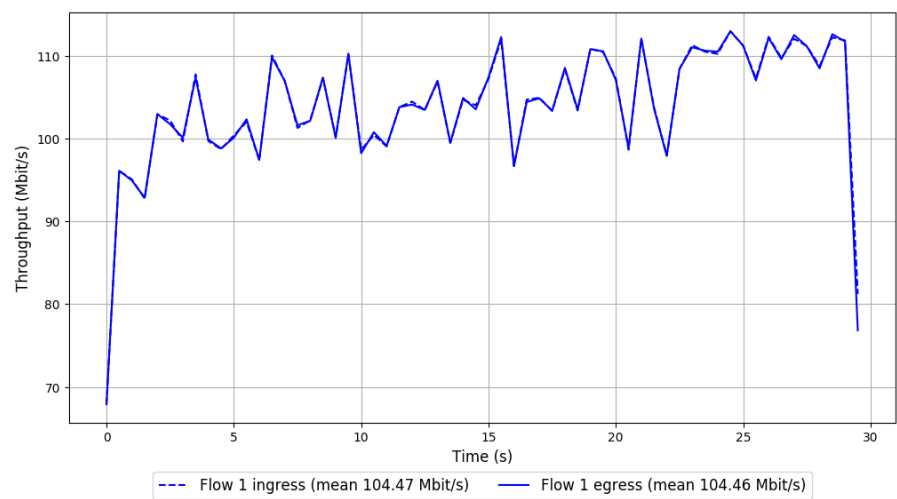

Flow 1 (95th percentile 1.12 ms)

```
Run 5: Statistics of Indigo-calib

Start at: 2017-09-21 10:35:10
End at: 2017-09-21 10:35:40
Local clock offset: -0.134 ms
Remote clock offset: -1.218 ms


# Below is generated by plot.py at 2017-09-21 17:00:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.46 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 104.46 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.07%
```

Run 5: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 104.47 Mbit/s)   Flow 1 egress (mean 104.46 Mbit/s)
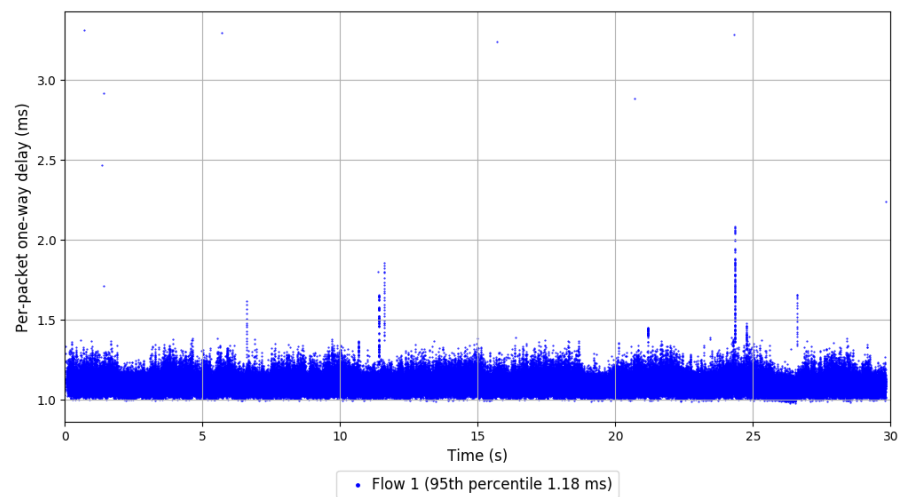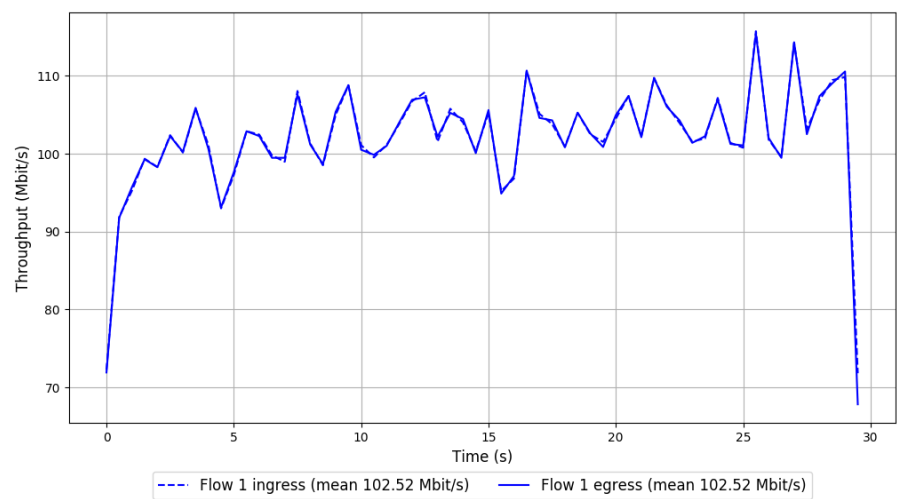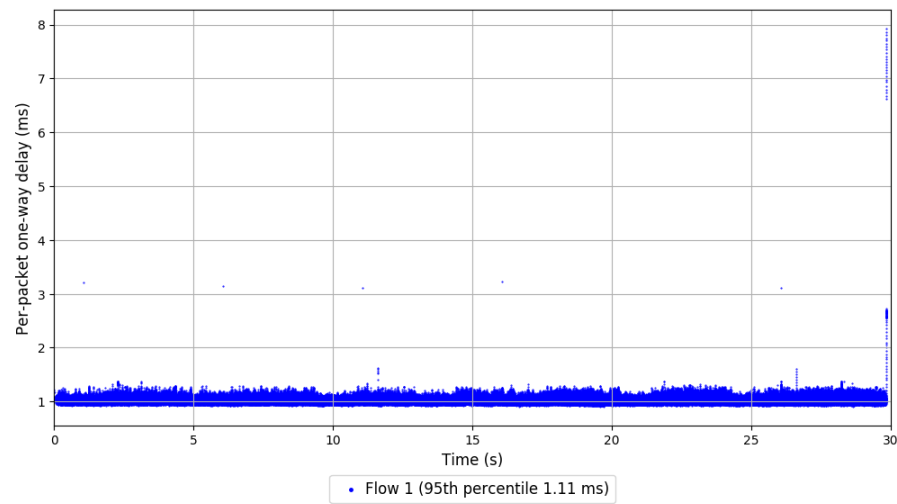

Flow 1 (95th percentile 1.02 ms)

```
Run 6: Statistics of Indigo-calib

Start at: 2017-09-21 10:54:29
End at: 2017-09-21 10:54:59
Local clock offset: -0.112 ms
Remote clock offset: -1.471 ms


# Below is generated by plot.py at 2017-09-21 17:00:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.52 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 102.52 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.07%
```
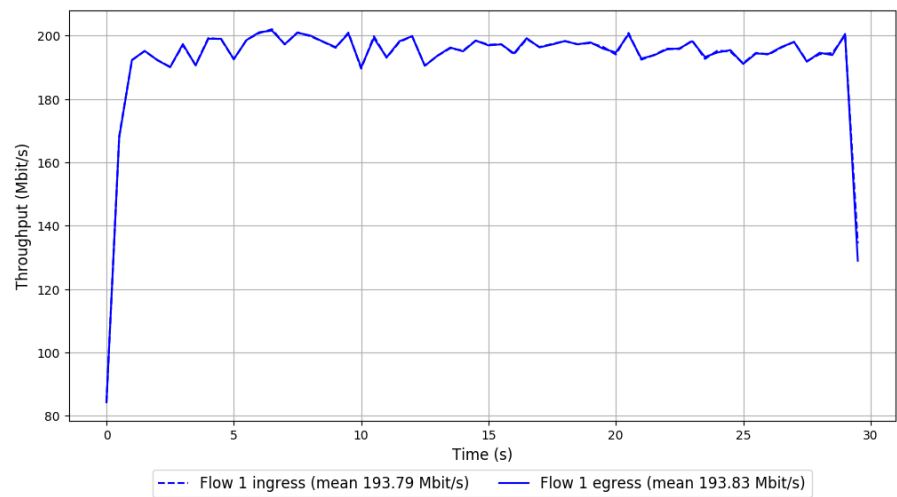
Run 6: Report of Indigo-calib — Data Link

```
Run 7: Statistics of Indigo-calib

Start at: 2017-09-21 11:13:49
End at: 2017-09-21 11:14:19
Local clock offset: -0.295 ms
Remote clock offset: -1.512 ms


# Below is generated by plot.py at 2017-09-21 17:00:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.83 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 193.83 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.05%
```
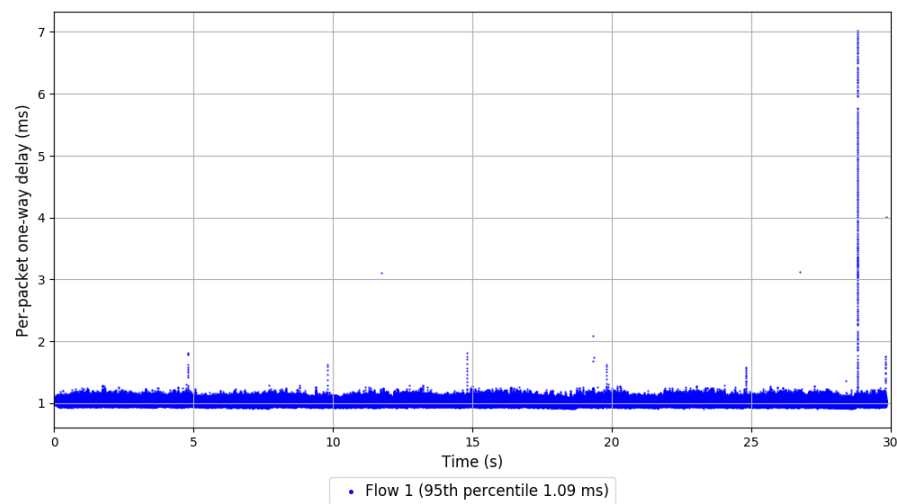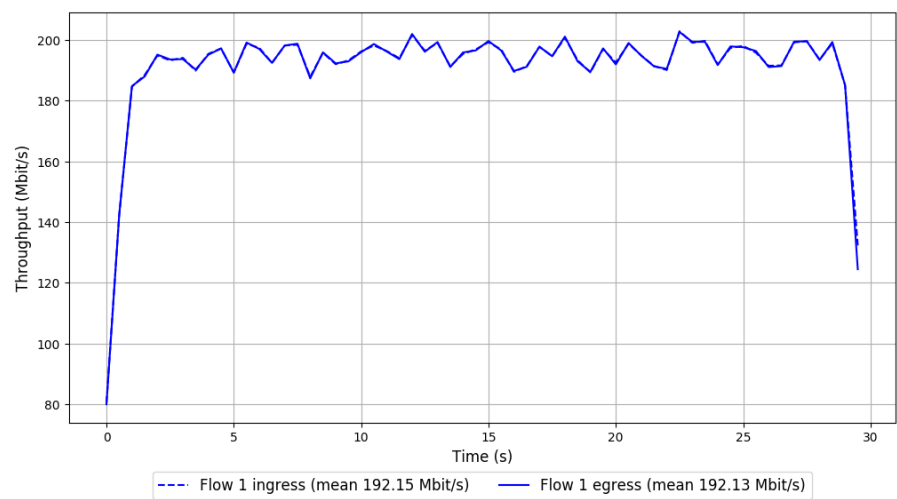
Run 7: Report of Indigo-calib — Data Link

```
Run 8: Statistics of Indigo-calib

Start at: 2017-09-21 11:33:06
End at: 2017-09-21 11:33:36
Local clock offset: -0.292 ms
Remote clock offset: -1.579 ms


# Below is generated by plot.py at 2017-09-21 17:01:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.13 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 192.13 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.07%
```
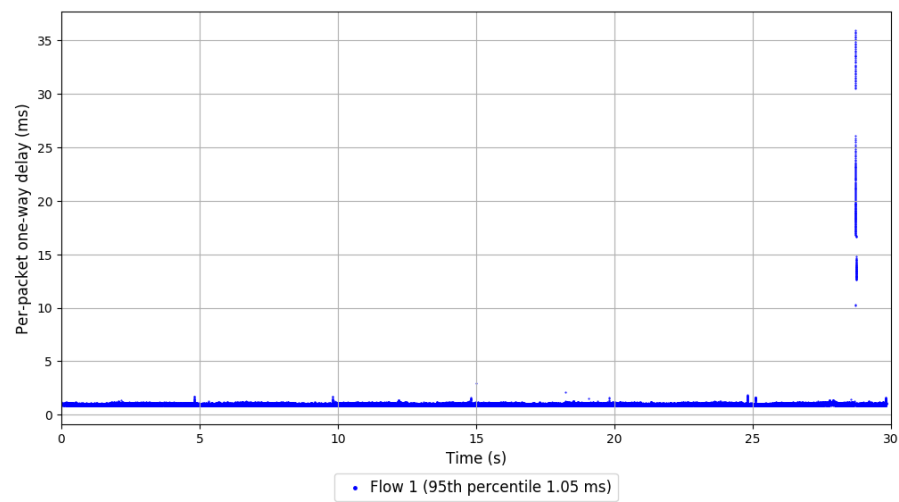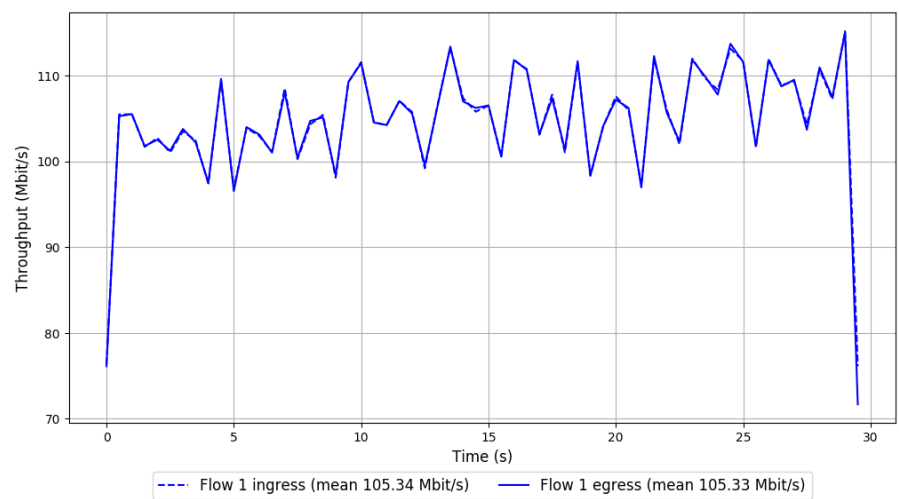
Run 8: Report of Indigo-calib — Data Link

```
Run 9: Statistics of Indigo-calib

Start at: 2017-09-21 11:52:14
End at: 2017-09-21 11:52:44
Local clock offset: -0.285 ms
Remote clock offset: -1.565 ms


# Below is generated by plot.py at 2017-09-21 17:01:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.33 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 105.33 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.08%
```

Run 9: Report of Indigo-calib — Data Link
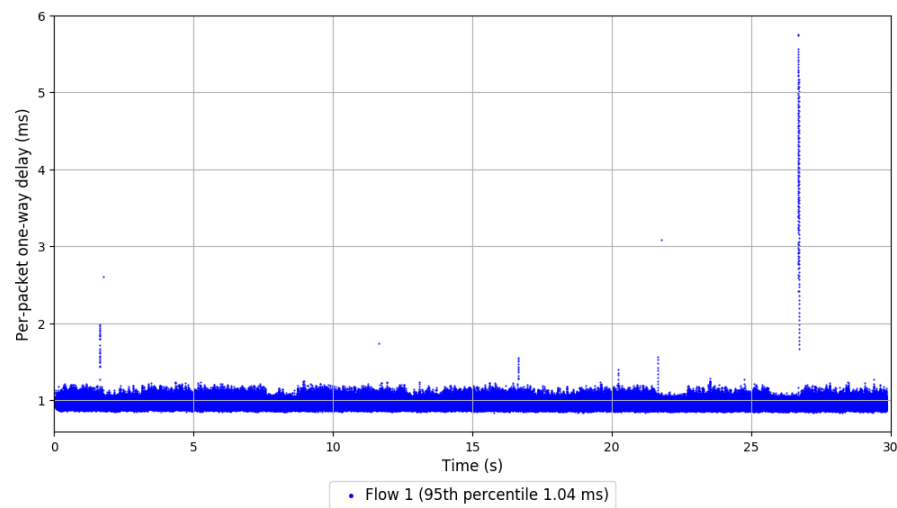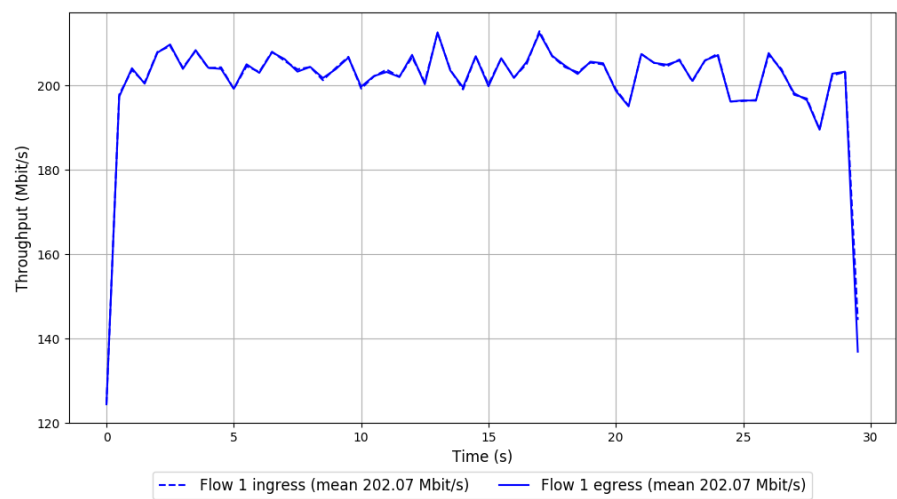

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```
Run 10: Statistics of Indigo-calib

Start at: 2017-09-21 12:11:39
End at: 2017-09-21 12:12:09
Local clock offset: -0.304 ms
Remote clock offset: -1.493 ms


# Below is generated by plot.py at 2017-09-21 17:01:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.07 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 202.07 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.06%
```
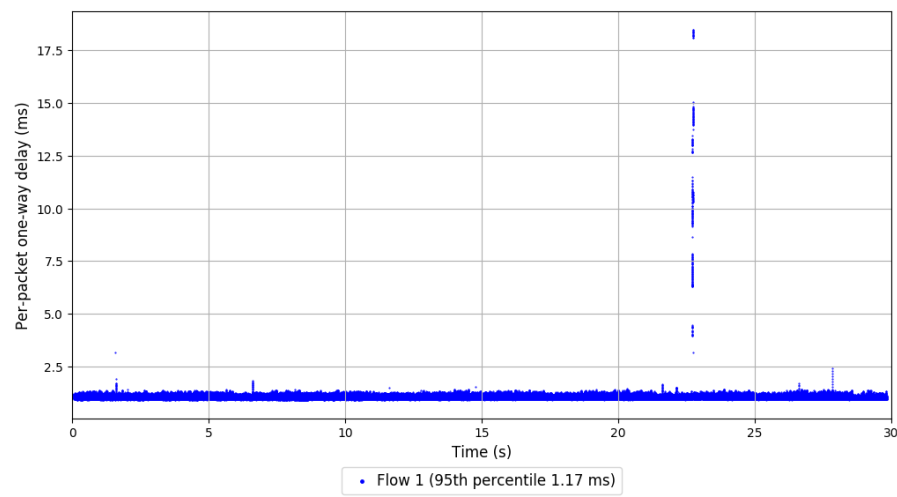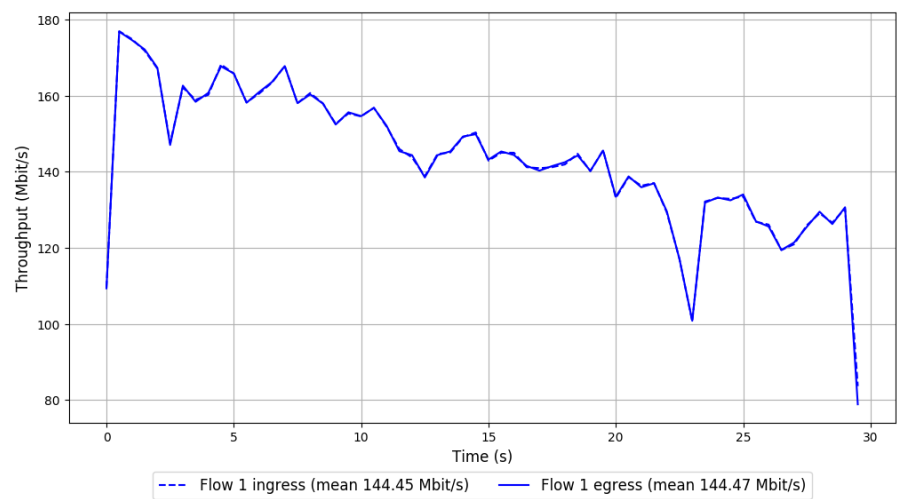
Run 10: Report of Indigo-calib — Data Link

```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 09:32:08
End at: 2017-09-21 09:32:38
Local clock offset: -0.293 ms
Remote clock offset: -2.047 ms


# Below is generated by plot.py at 2017-09-21 17:01:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.47 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 144.47 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.06%
```
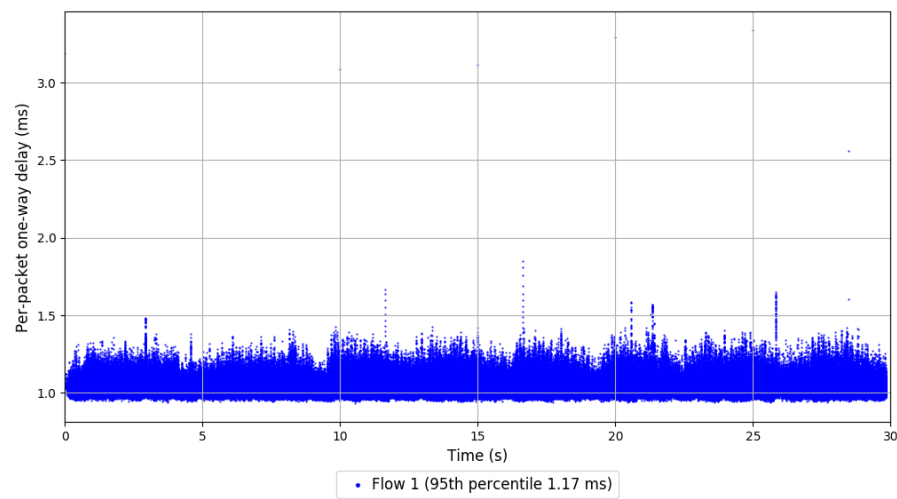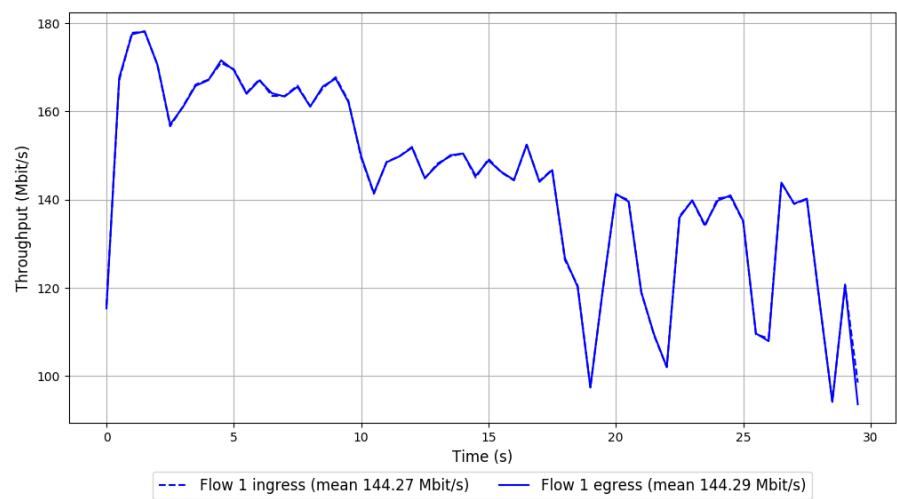
Run 1: Report of Indigo-delay — Data Link

```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 09:51:28
End at: 2017-09-21 09:51:58
Local clock offset: -0.135 ms
Remote clock offset: -1.684 ms


# Below is generated by plot.py at 2017-09-21 17:01:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.29 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 144.29 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.06%
```
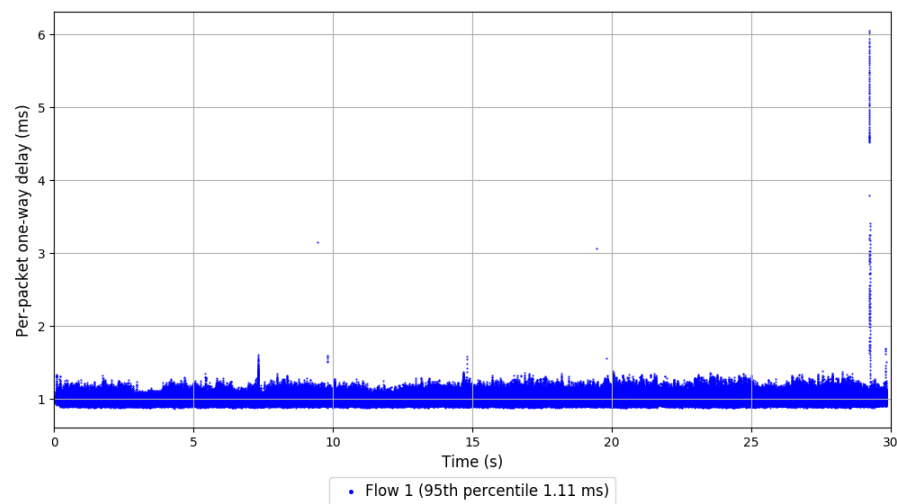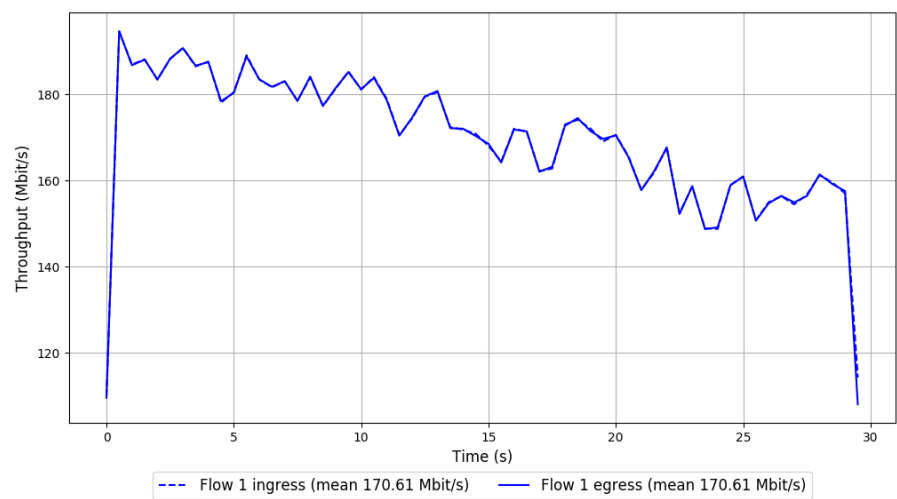
Run 2: Report of Indigo-delay — Data Link

```
Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 10:10:57
End at: 2017-09-21 10:11:27
Local clock offset: -0.137 ms
Remote clock offset: -1.539 ms


# Below is generated by plot.py at 2017-09-21 17:01:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.61 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 170.61 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.06%
```
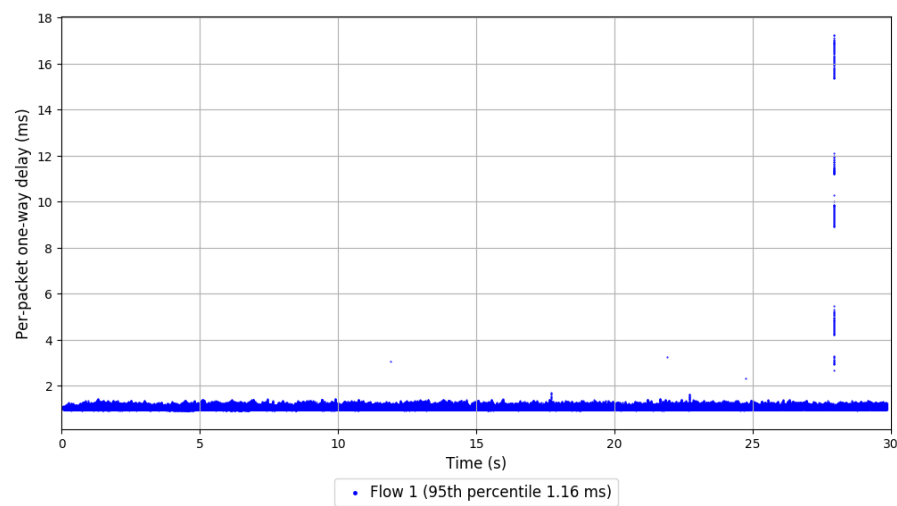
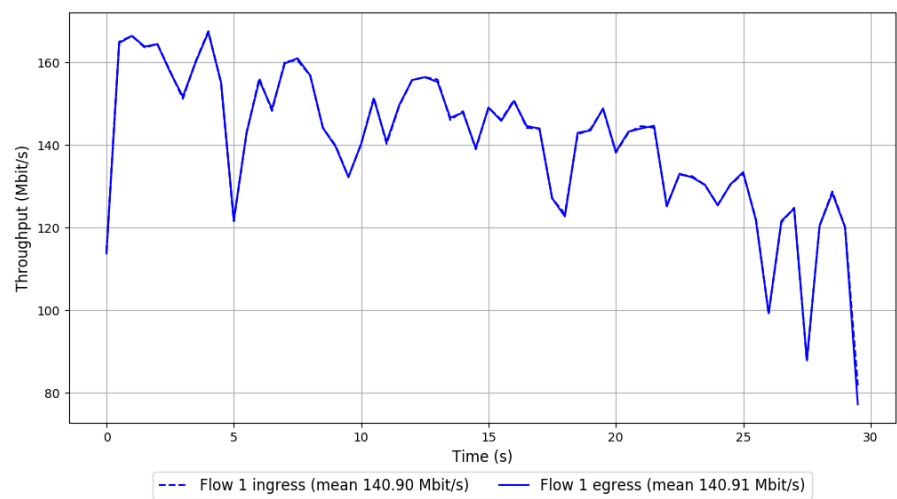Run 3: Report of Indigo-delay — Data Link

```
Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 10:30:11
End at: 2017-09-21 10:30:41
Local clock offset: -0.138 ms
Remote clock offset: -1.367 ms


# Below is generated by plot.py at 2017-09-21 17:01:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.91 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 140.91 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.06%
```

Run 4: Report of Indigo-delay — Data Link

Flow 1 ingress (mean 140.90 Mbit/s)   Flow 1 egress (mean 140.91 Mbit/s)
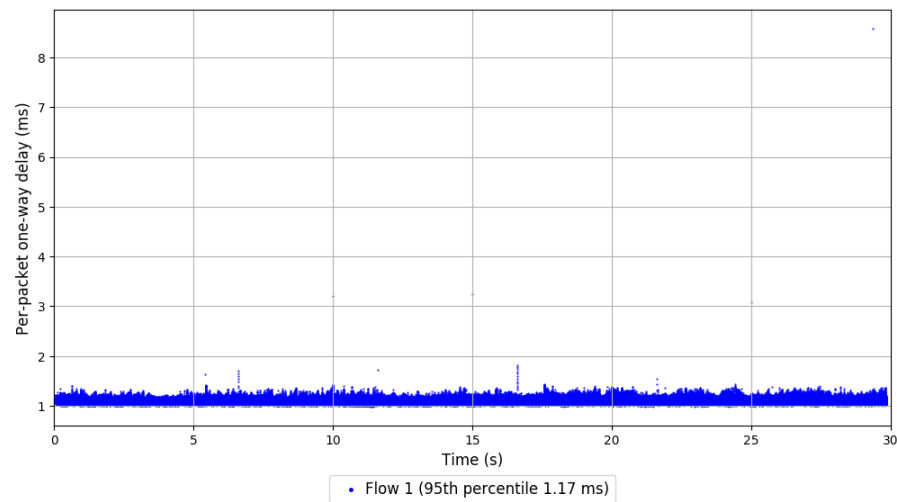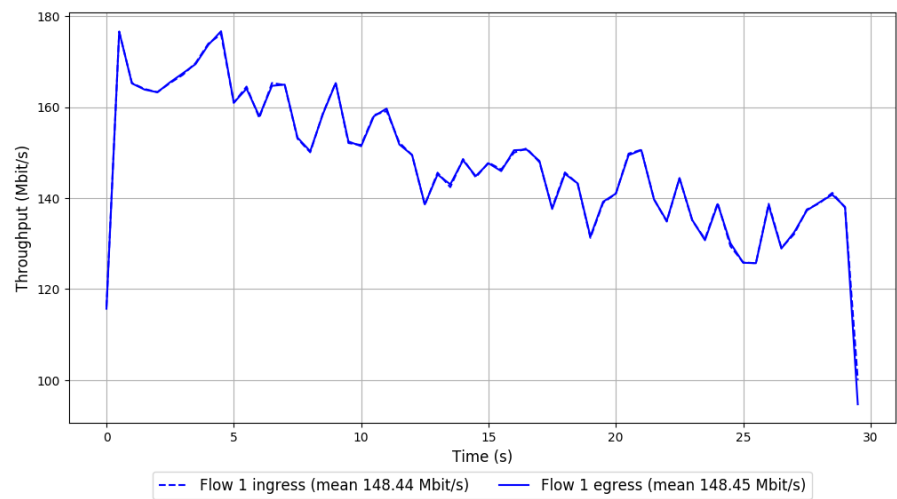

Flow 1 (95th percentile 1.16 ms)

```
Run 5: Statistics of Indigo-delay

Start at: 2017-09-21 10:49:26
End at: 2017-09-21 10:49:56
Local clock offset: -0.065 ms
Remote clock offset: -1.412 ms


# Below is generated by plot.py at 2017-09-21 17:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.45 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 148.45 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.07%
```

Run 5: Report of Indigo-delay — Data Link

```
Run 6: Statistics of Indigo-delay

Start at: 2017-09-21 11:08:51
End at: 2017-09-21 11:09:21
Local clock offset: -0.267 ms
Remote clock offset: -1.55 ms


# Below is generated by plot.py at 2017-09-21 17:02:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.63 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 140.63 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.06%
```
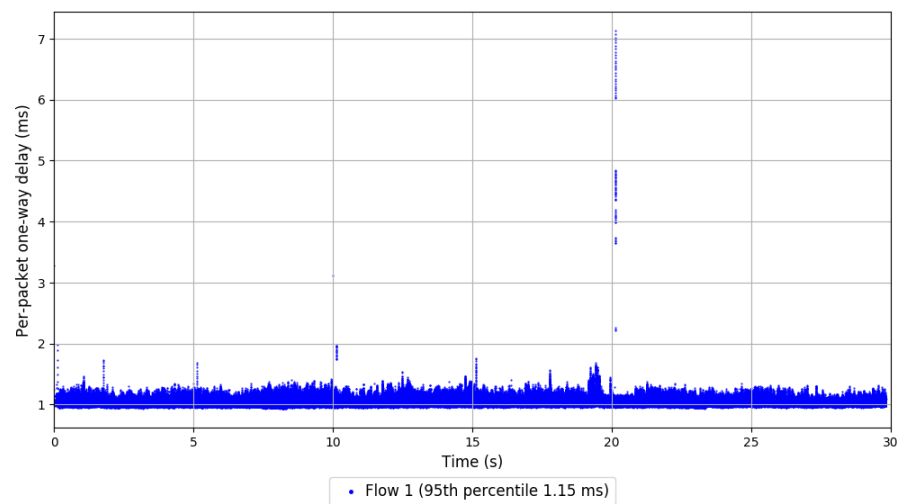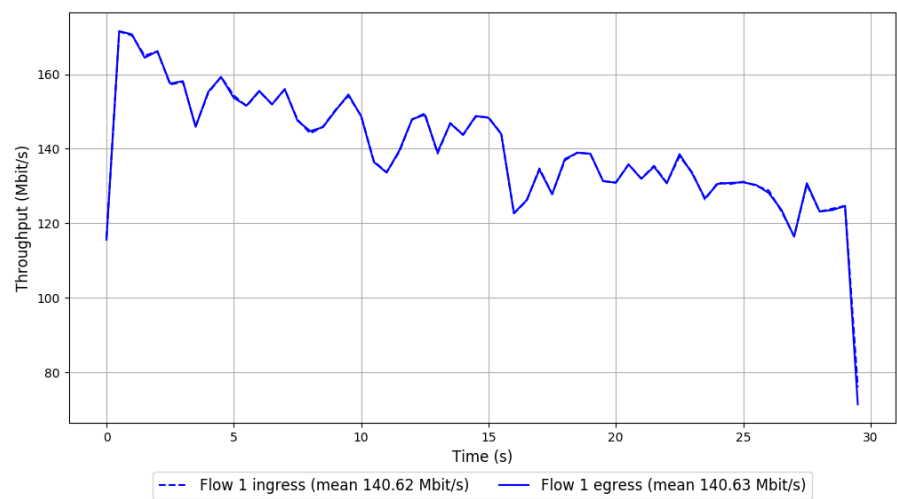
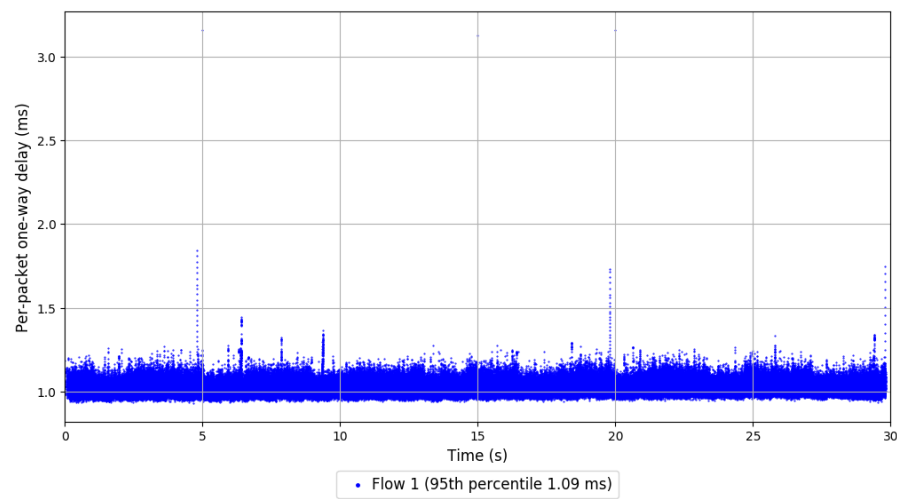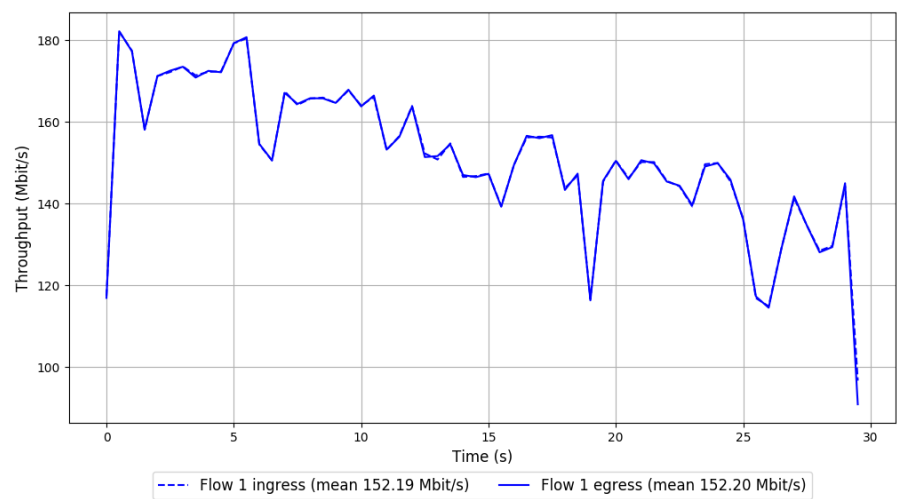Run 6: Report of Indigo-delay — Data Link

```
Run 7: Statistics of Indigo-delay

Start at: 2017-09-21 11:28:04
End at: 2017-09-21 11:28:34
Local clock offset: -0.195 ms
Remote clock offset: -1.509 ms


# Below is generated by plot.py at 2017-09-21 17:02:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.20 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 152.20 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.06%
```

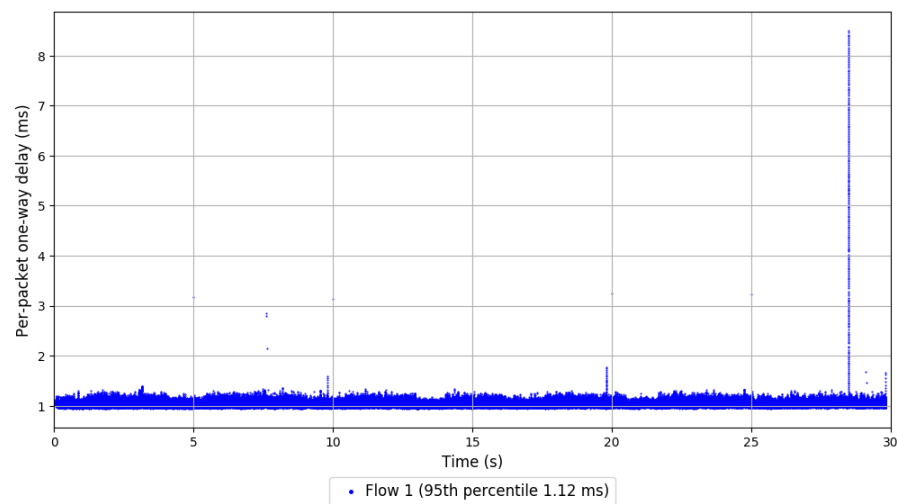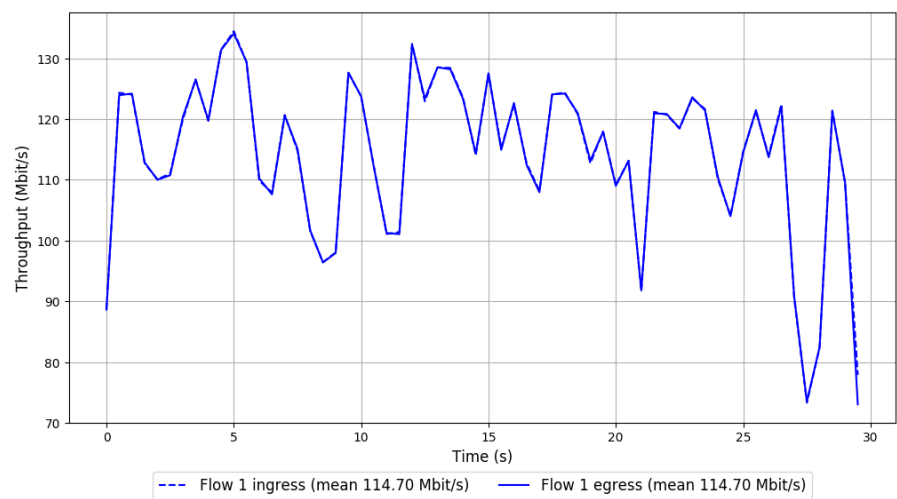Run 7: Report of Indigo-delay — Data Link

```
Run 8: Statistics of Indigo-delay

Start at: 2017-09-21 11:47:16
End at: 2017-09-21 11:47:46
Local clock offset: -0.309 ms
Remote clock offset: -1.684 ms


# Below is generated by plot.py at 2017-09-21 17:02:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.70 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 114.70 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.07%
```

Run 8: Report of Indigo-delay — Data Link

Flow 1 ingress (mean 114.70 Mbit/s)　　Flow 1 egress (mean 114.70 Mbit/s)
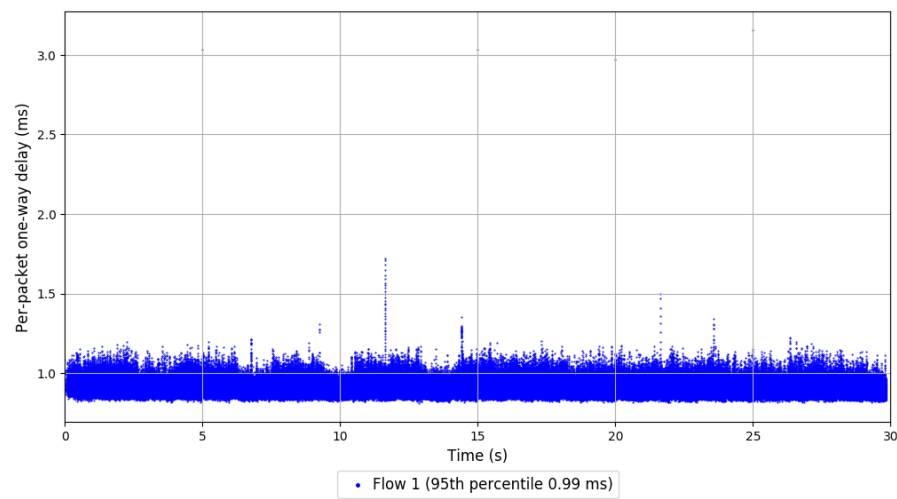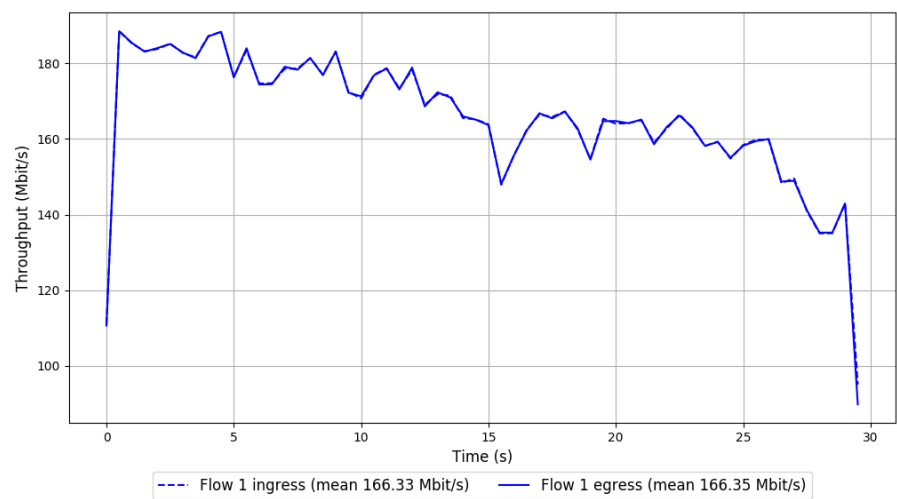

• Flow 1 (95th percentile 1.12 ms)

```
Run 9: Statistics of Indigo-delay

Start at: 2017-09-21 12:06:35
End at: 2017-09-21 12:07:05
Local clock offset: -0.298 ms
Remote clock offset: -1.355 ms


# Below is generated by plot.py at 2017-09-21 17:02:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.35 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 166.35 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.05%
```

Run 9: Report of Indigo-delay — Data Link

```
Run 10: Statistics of Indigo-delay

Start at: 2017-09-21 12:26:10
End at: 2017-09-21 12:26:40
Local clock offset: -0.279 ms
Remote clock offset: -1.581 ms


# Below is generated by plot.py at 2017-09-21 17:02:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.24 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 161.24 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.06%
```

Run 10: Report of Indigo-delay — Data Link