Pantheon Report

Generated at 2018-08-01 03:42:28 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) →Colombia Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

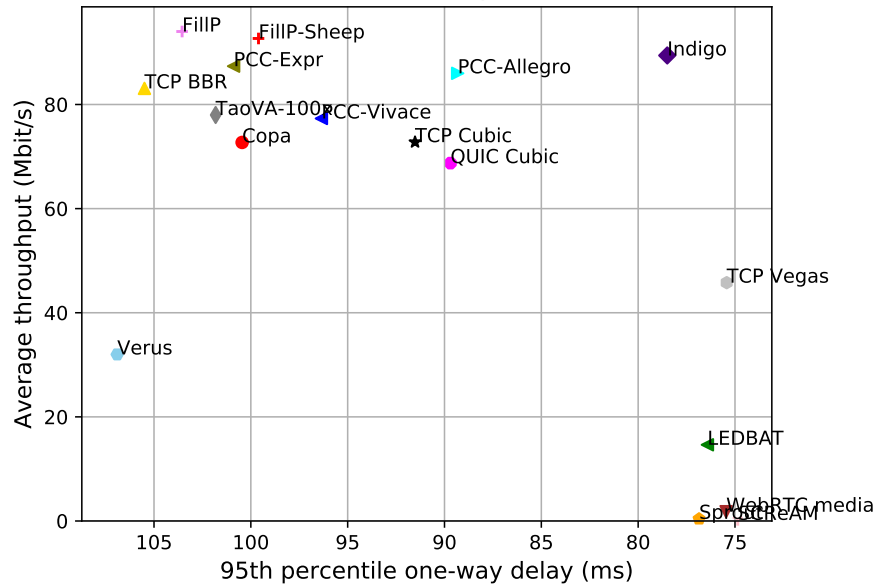Each test lasted for 30 seconds running 1 flow.

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

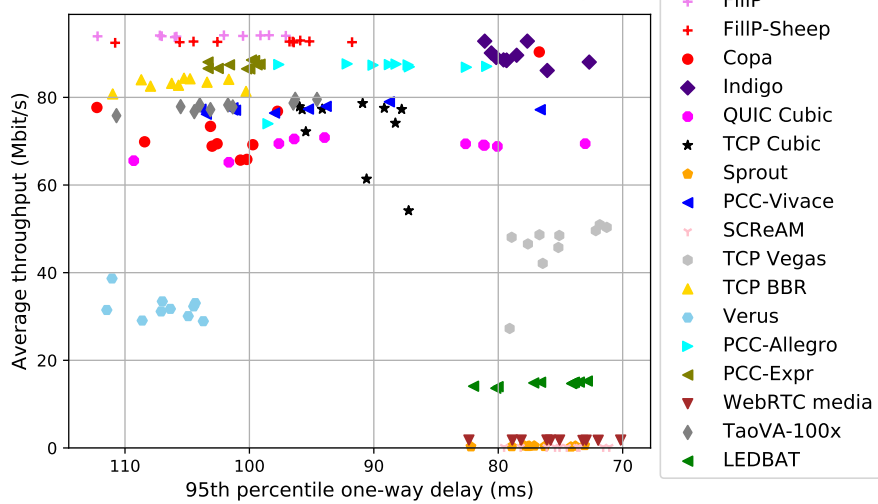NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
 M src/ScreamClient
 M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme (mean of all runs by scheme)

test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme

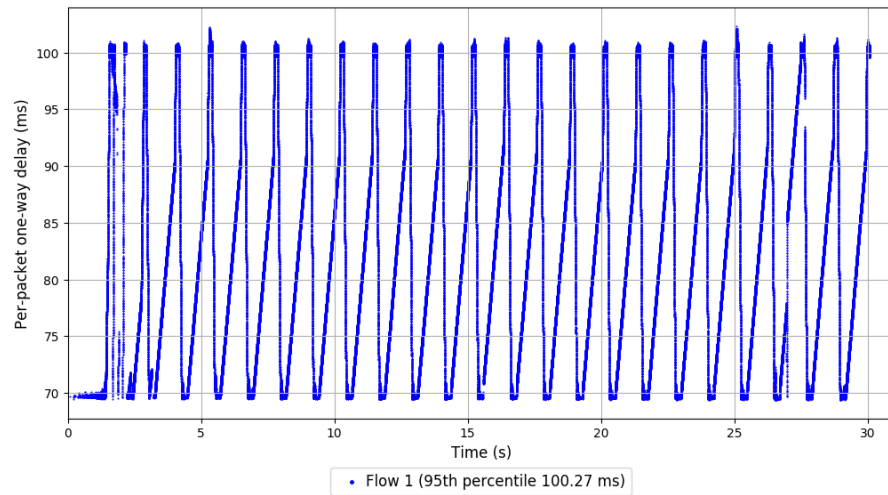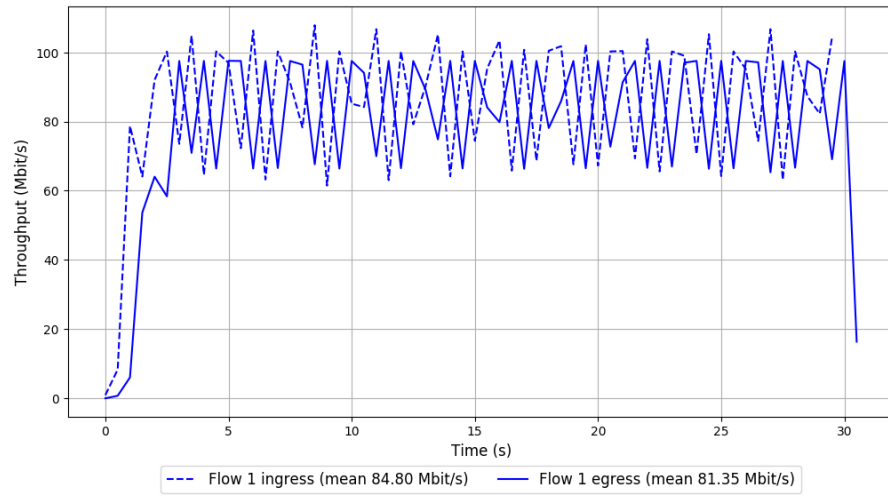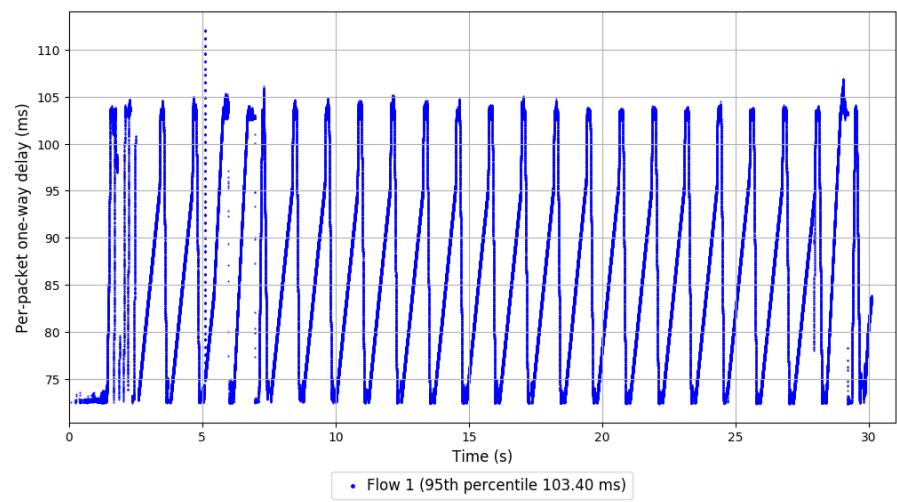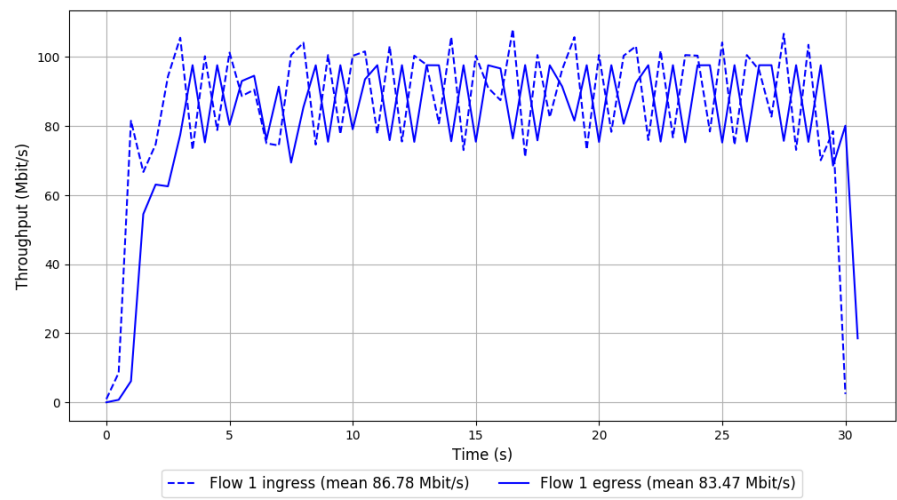| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	83.09	105.49	4.14
Copa	10	72.71	100.45	2.74
TCP Cubic	10	72.77	91.52	0.30
FillP	10	94.02	103.55	7.47
FillP-Sheep	10	92.68	99.60	2.21
Indigo	10	89.42	78.50	0.50
LEDBAT	10	14.64	76.43	0.00
PCC-Allegro	10	85.99	89.32	1.37
PCC-Expr	10	87.36	100.89	2.24
QUIC Cubic	10	68.74	89.69	0.47
SCReAM	10	0.22	74.86	0.00
Sprout	10	0.41	76.86	0.00
TaoVA-100x	10	77.98	101.82	0.49
TCP Vegas	10	45.78	75.43	0.30
Verus	10	31.99	106.90	15.18
PCC-Vivace	10	77.32	96.36	0.09
WebRTC media	10	1.78	75.46	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2018-08-01 00:15:58
End at: 2018-08-01 00:16:28
Local clock offset: -0.947 ms
Remote clock offset: 11.147 ms

# Below is generated by plot.py at 2018-08-01 03:24:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 100.271 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 100.271 ms
Loss rate: 3.96%
```
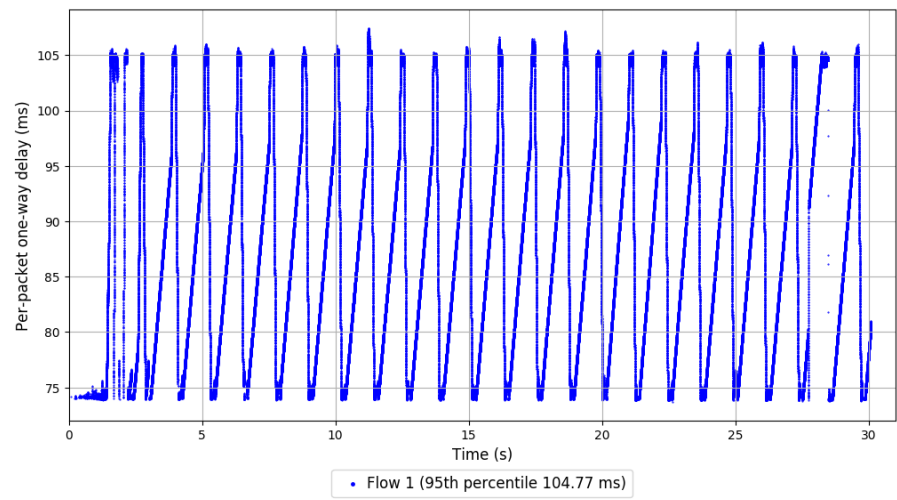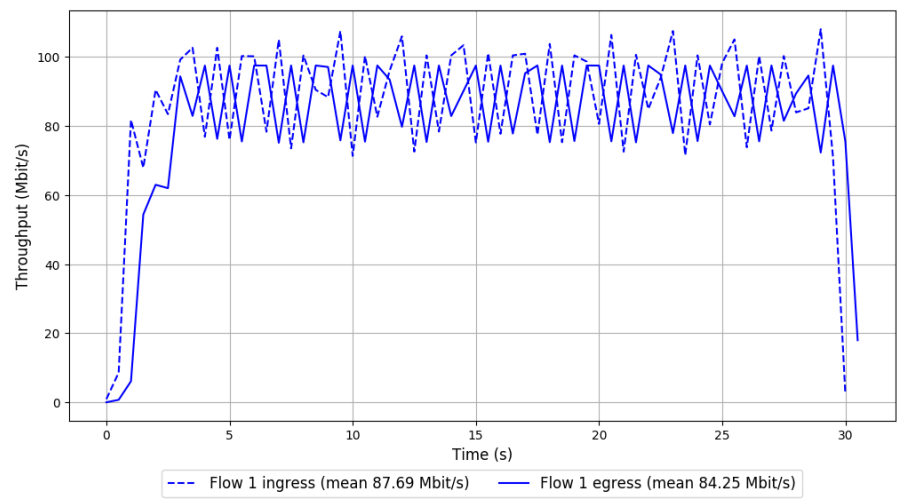
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-08-01 00:35:51
End at: 2018-08-01 00:36:21
Local clock offset: -3.489 ms
Remote clock offset: 19.657 ms


# Below is generated by plot.py at 2018-08-01 03:24:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.47 Mbit/s
95th percentile per-packet one-way delay: 103.402 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 83.47 Mbit/s
95th percentile per-packet one-way delay: 103.402 ms
Loss rate: 3.78%
```
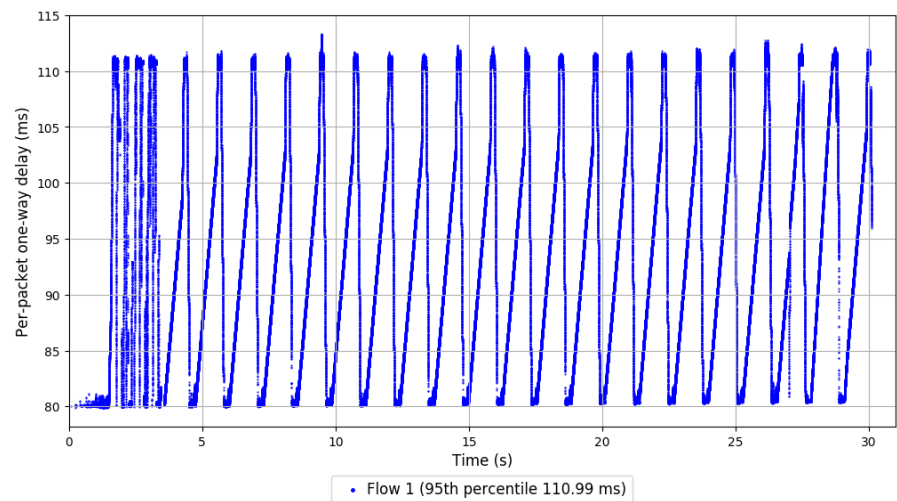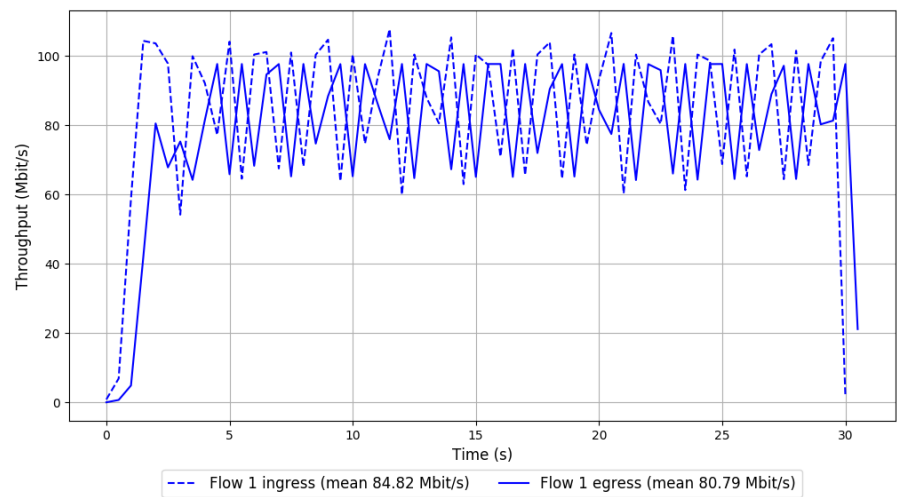
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 86.78 Mbit/s)   Flow 1 egress (mean 83.47 Mbit/s)

Flow 1 (95th percentile 103.40 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-08-01 00:55:45
End at: 2018-08-01 00:56:15
Local clock offset: -3.7 ms
Remote clock offset: 24.507 ms


# Below is generated by plot.py at 2018-08-01 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 104.773 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 104.773 ms
Loss rate: 3.91%
```

Run 3: Report of TCP BBR — Data Link

```
Run 4: Statistics of TCP BBR

Start at: 2018-08-01 01:15:39
End at: 2018-08-01 01:16:09
Local clock offset: -3.867 ms
Remote clock offset: 13.843 ms

# Below is generated by plot.py at 2018-08-01 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 110.989 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 110.989 ms
Loss rate: 4.70%
```
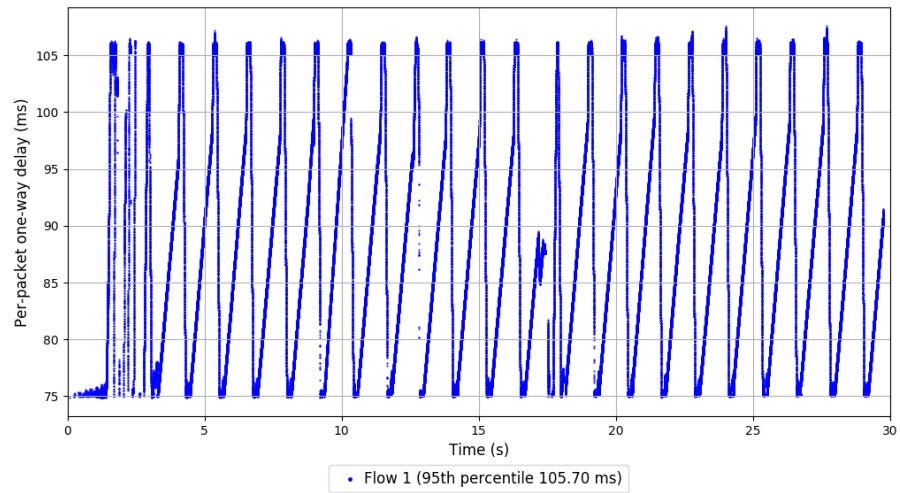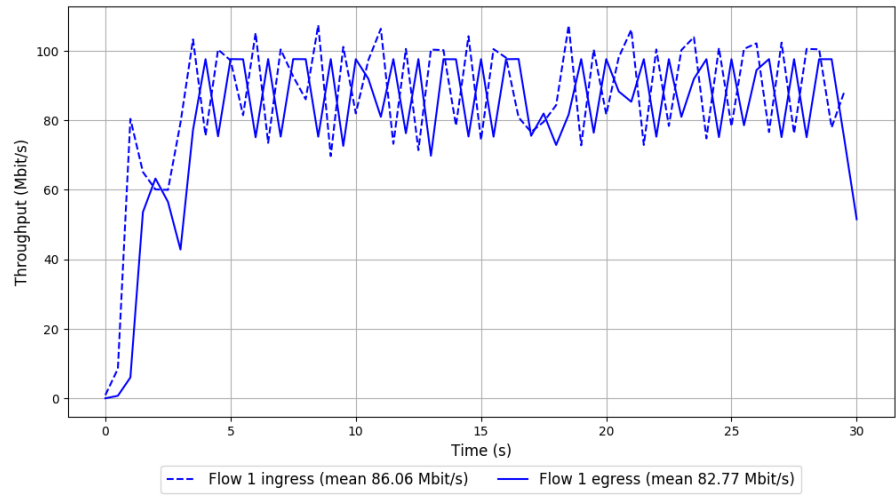
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 84.82 Mbit/s)   Flow 1 egress (mean 80.79 Mbit/s)

Flow 1 (95th percentile 110.99 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-08-01 01:35:35
End at: 2018-08-01 01:36:05
Local clock offset: -4.24 ms
Remote clock offset: 4.417 ms


# Below is generated by plot.py at 2018-08-01 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 105.698 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 105.698 ms
Loss rate: 4.63%
```
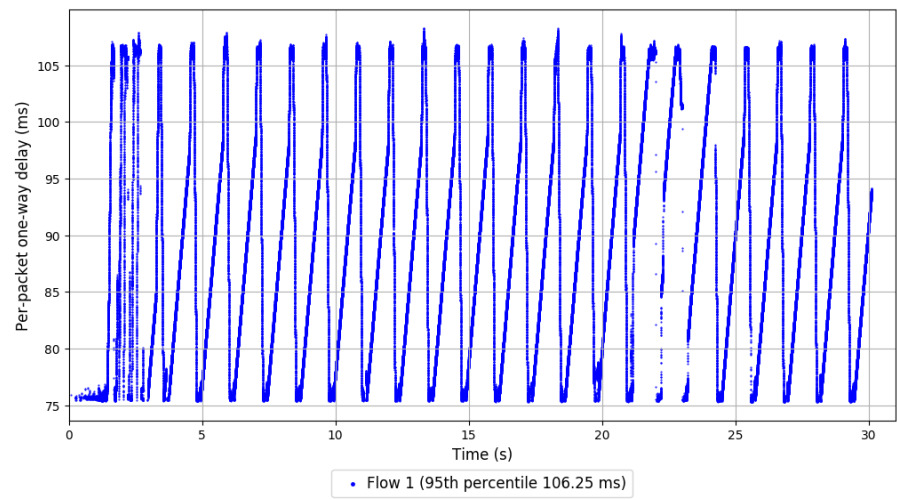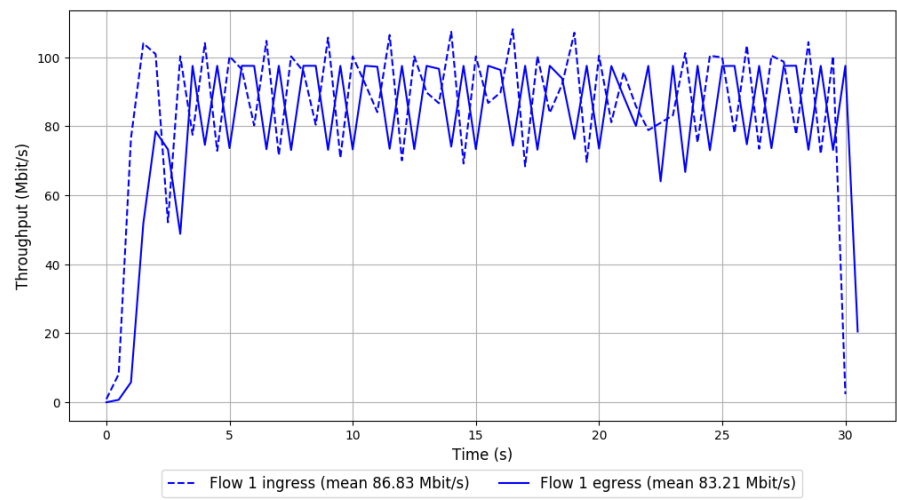
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 86.06 Mbit/s)   Flow 1 egress (mean 82.77 Mbit/s)

• Flow 1 (95th percentile 105.70 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-08-01 01:55:27
End at: 2018-08-01 01:55:57
Local clock offset: -4.695 ms
Remote clock offset: 6.069 ms


# Below is generated by plot.py at 2018-08-01 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 106.247 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 106.247 ms
Loss rate: 4.11%
```

Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: 2018-08-01 02:15:26
End at: 2018-08-01 02:15:56
Local clock offset: -6.217 ms
Remote clock offset: 4.959 ms


# Below is generated by plot.py at 2018-08-01 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 108.691 ms
Loss rate: 4.14%
-- Flow 1:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 108.691 ms
Loss rate: 4.14%
```
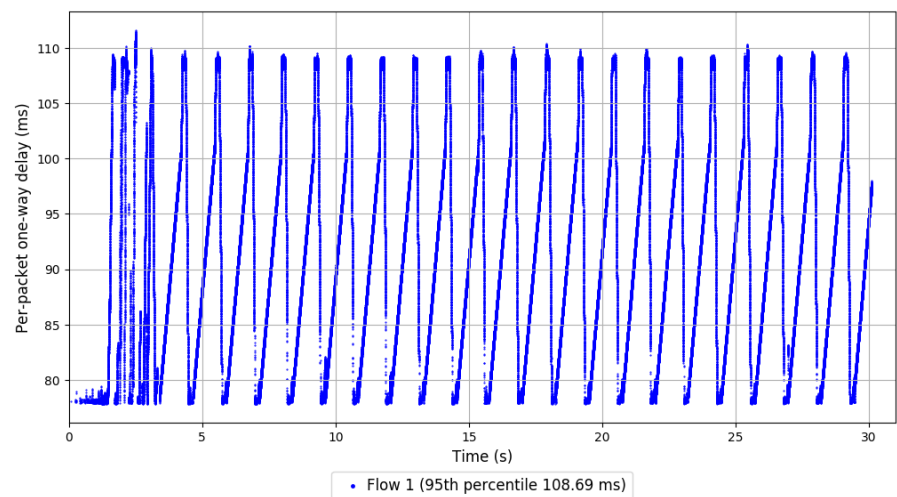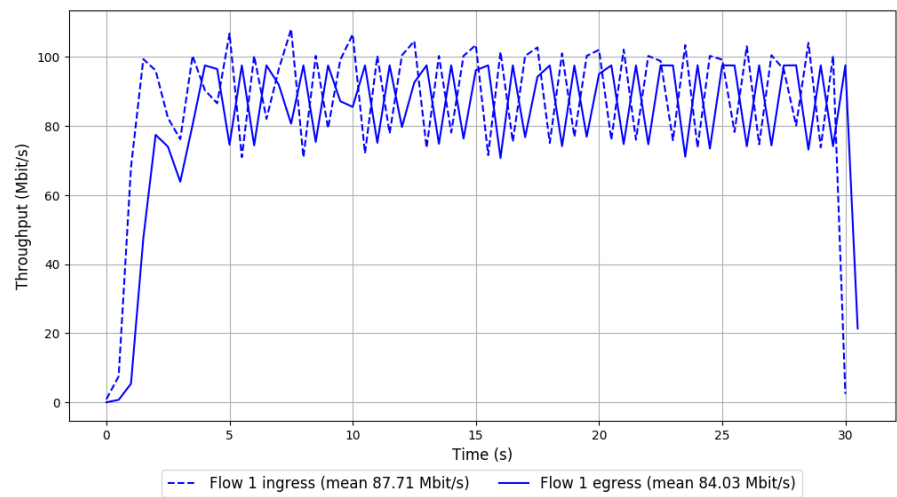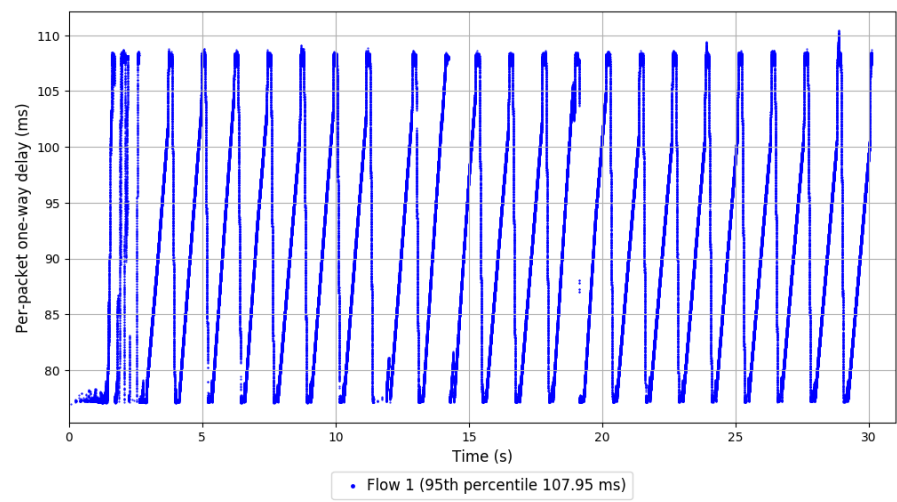
Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2018-08-01 02:35:20
End at: 2018-08-01 02:35:50
Local clock offset: -1.615 ms
Remote clock offset: 7.871 ms


# Below is generated by plot.py at 2018-08-01 03:24:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.56 Mbit/s
95th percentile per-packet one-way delay: 107.947 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 82.56 Mbit/s
95th percentile per-packet one-way delay: 107.947 ms
Loss rate: 4.16%
```
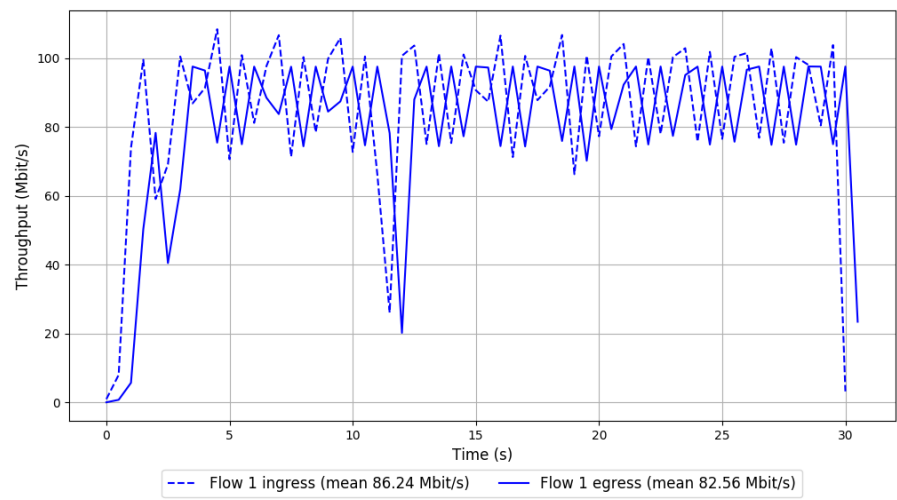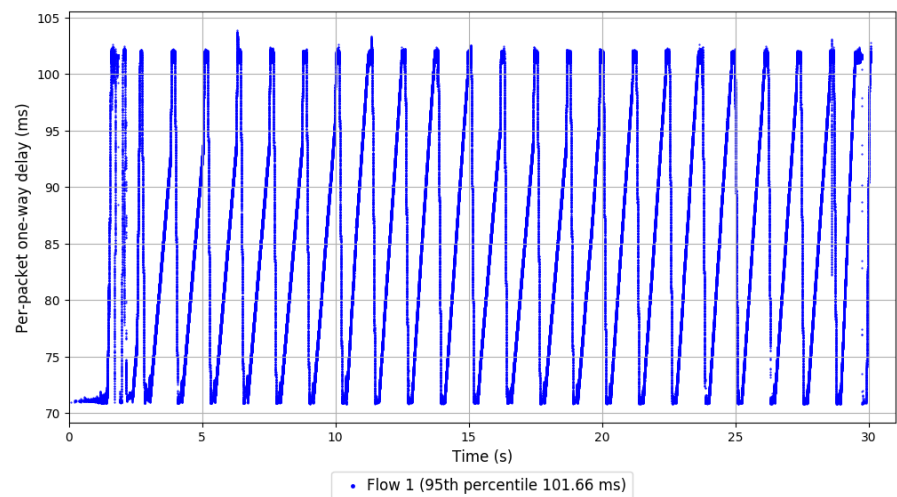
Run 8: Report of TCP BBR — Data Link

```
Run 9: Statistics of TCP BBR

Start at: 2018-08-01 02:55:17
End at: 2018-08-01 02:55:47
Local clock offset: 0.769 ms
Remote clock offset: 3.227 ms


# Below is generated by plot.py at 2018-08-01 03:24:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 101.660 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 101.660 ms
Loss rate: 4.04%
```
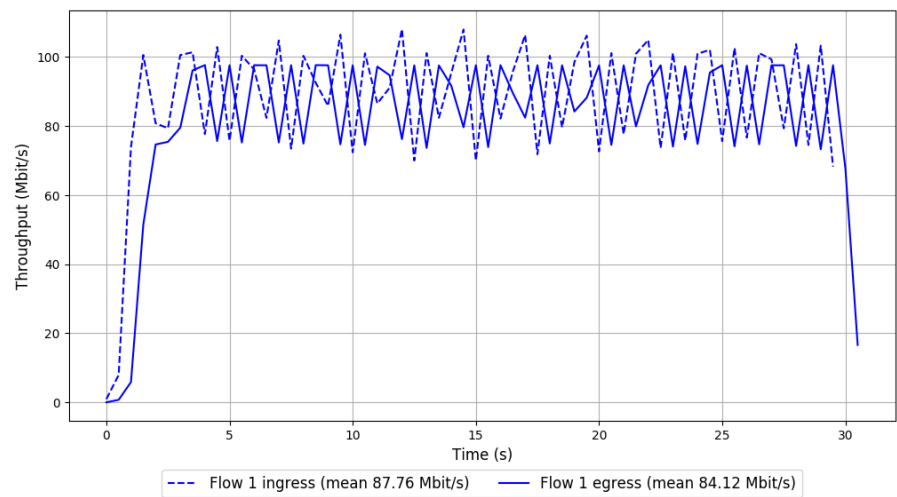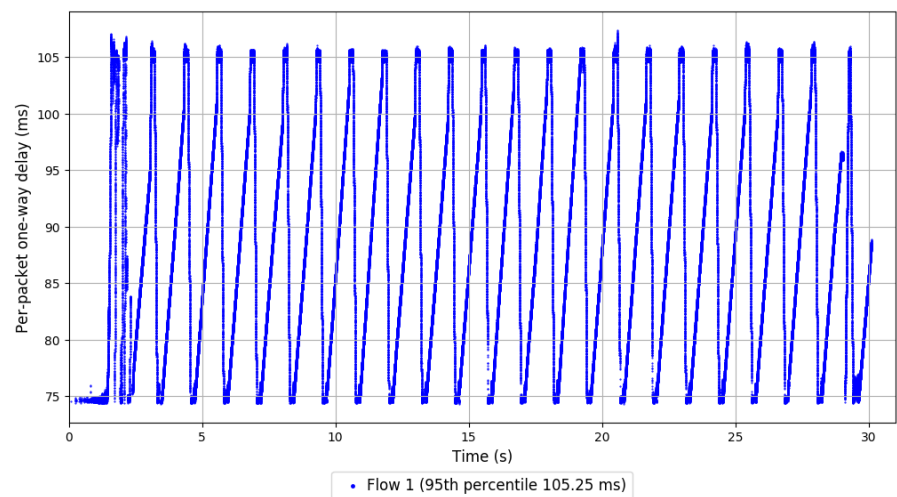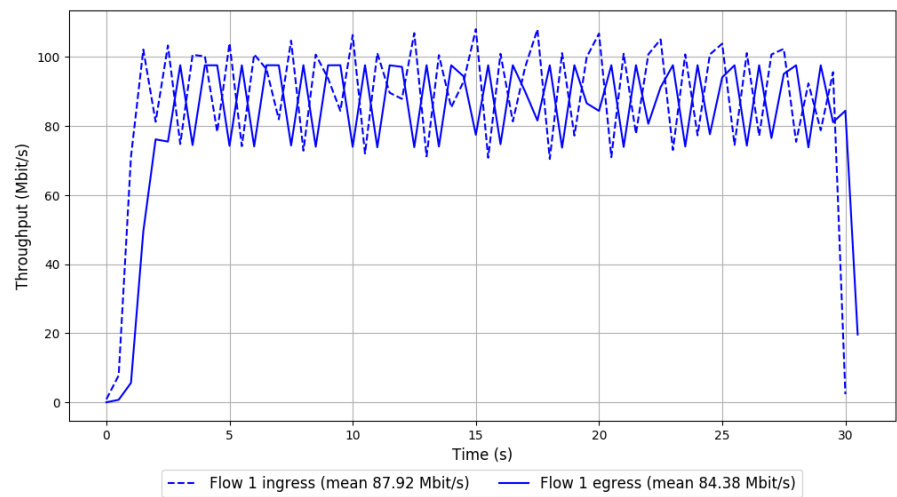
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 87.76 Mbit/s)   Flow 1 egress (mean 84.12 Mbit/s)

Flow 1 (95th percentile 101.66 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-08-01 03:15:12
End at: 2018-08-01 03:15:42
Local clock offset: 2.233 ms
Remote clock offset: 5.265 ms


# Below is generated by plot.py at 2018-08-01 03:24:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 105.255 ms
Loss rate: 3.98%
-- Flow 1:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 105.255 ms
Loss rate: 3.98%
```

Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-08-01 00:01:57
End at: 2018-08-01 00:02:27
Local clock offset: -1.414 ms
Remote clock offset: 3.813 ms


# Below is generated by plot.py at 2018-08-01 03:25:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 102.998 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 102.998 ms
Loss rate: 3.72%
```
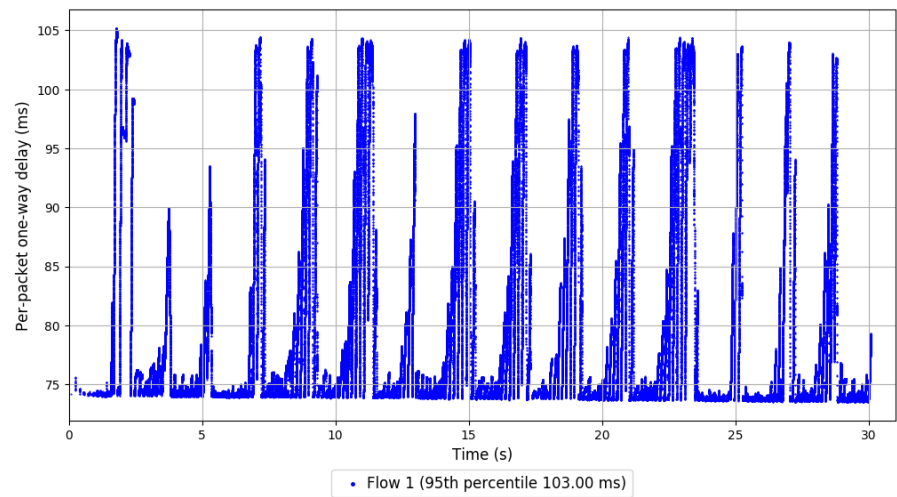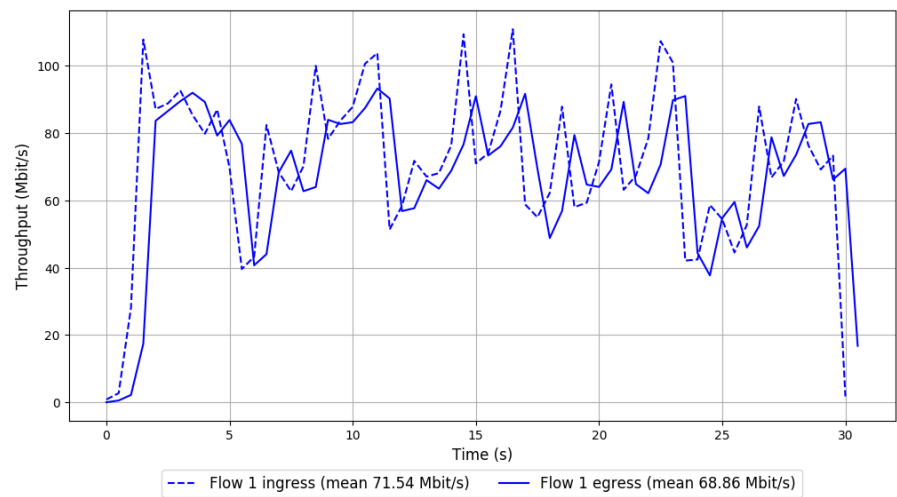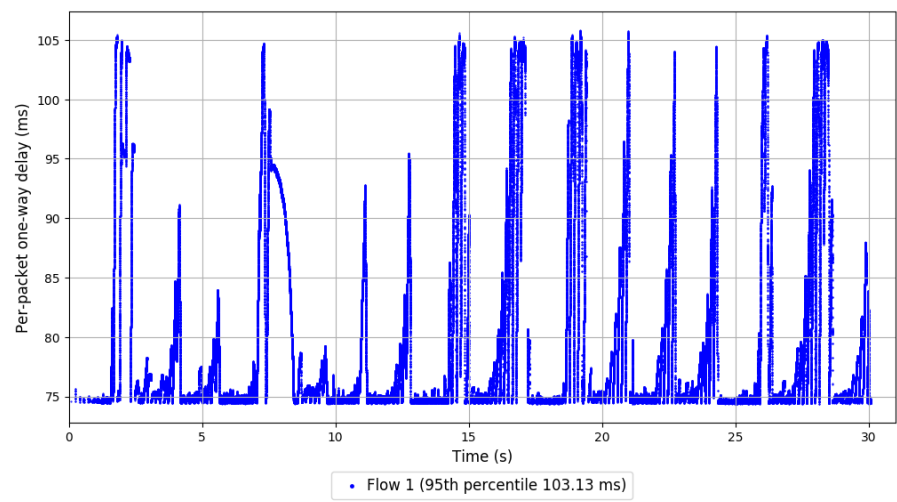
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 71.54 Mbit/s)   Flow 1 egress (mean 68.86 Mbit/s)

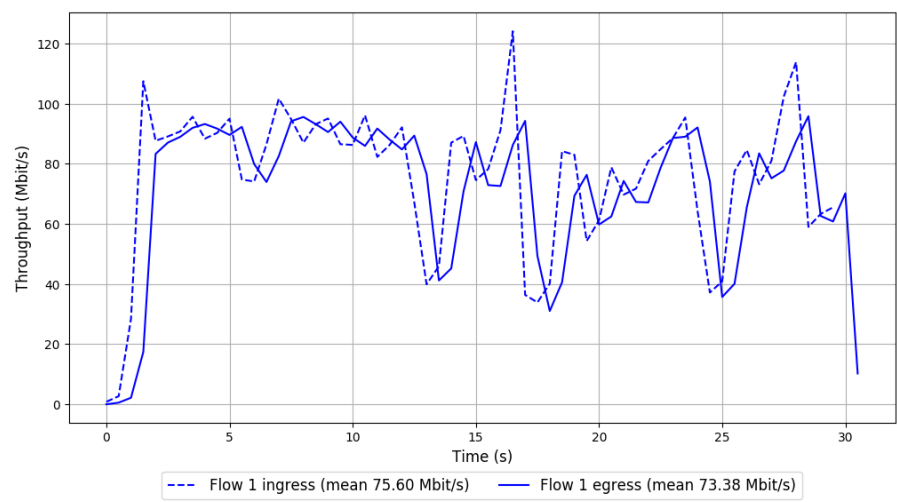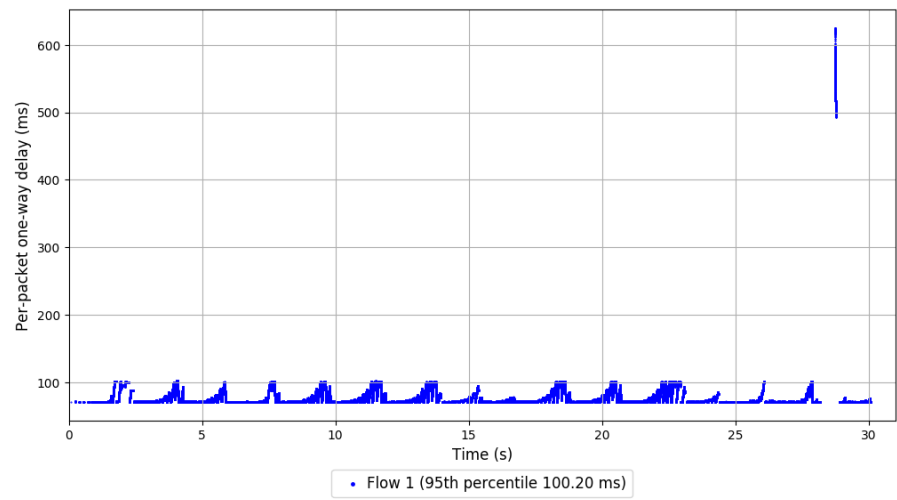· Flow 1 (95th percentile 103.00 ms)

```
Run 2: Statistics of Copa

Start at: 2018-08-01 00:21:48
End at: 2018-08-01 00:22:18
Local clock offset: -0.35 ms
Remote clock offset: 14.045 ms

# Below is generated by plot.py at 2018-08-01 03:25:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 103.129 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 103.129 ms
Loss rate: 2.94%
```

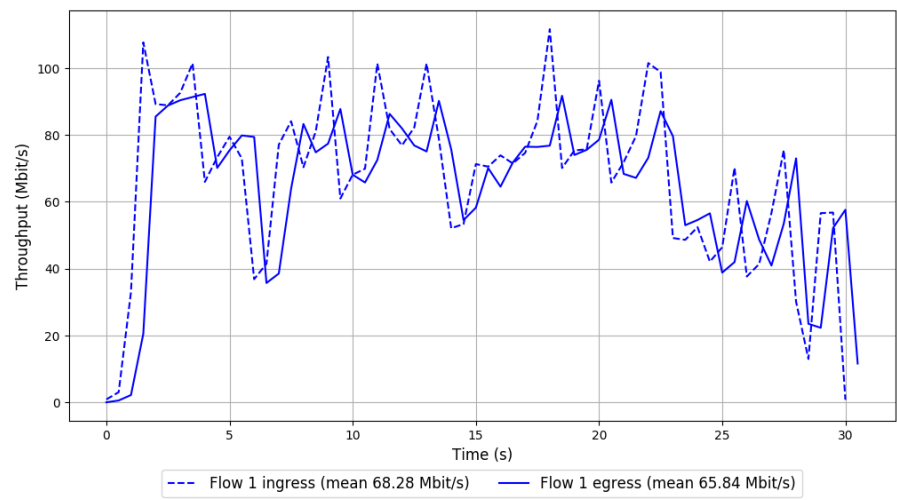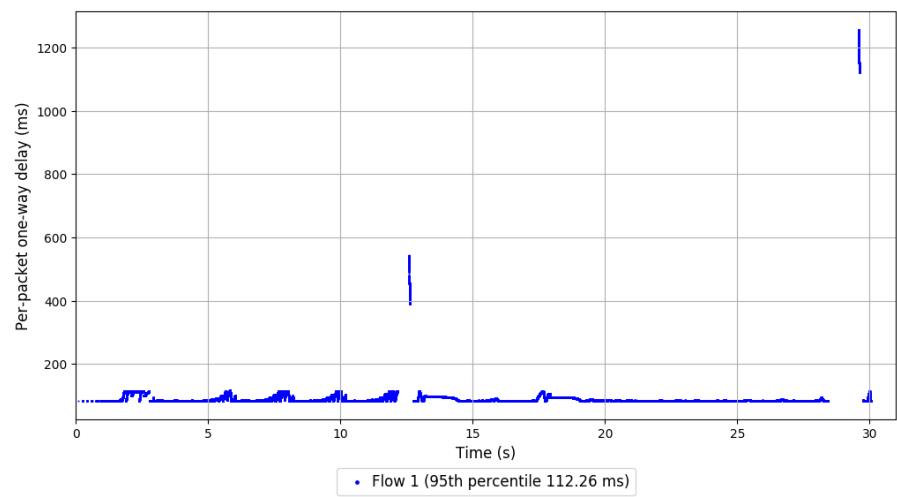Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-08-01 00:41:41
End at: 2018-08-01 00:42:11
Local clock offset: -3.645 ms
Remote clock offset: 17.083 ms

# Below is generated by plot.py at 2018-08-01 03:25:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 100.205 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 100.205 ms
Loss rate: 3.57%
```

Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 68.28 Mbit/s) — Flow 1 egress (mean 65.84 Mbit/s)

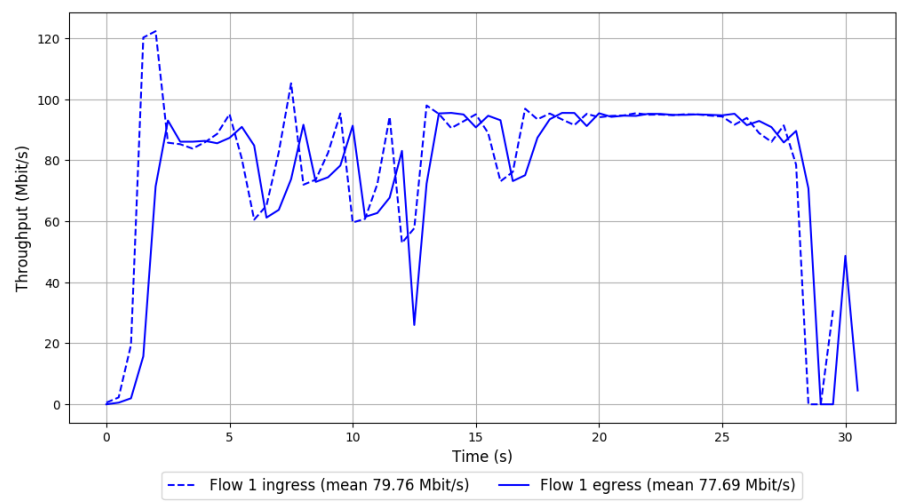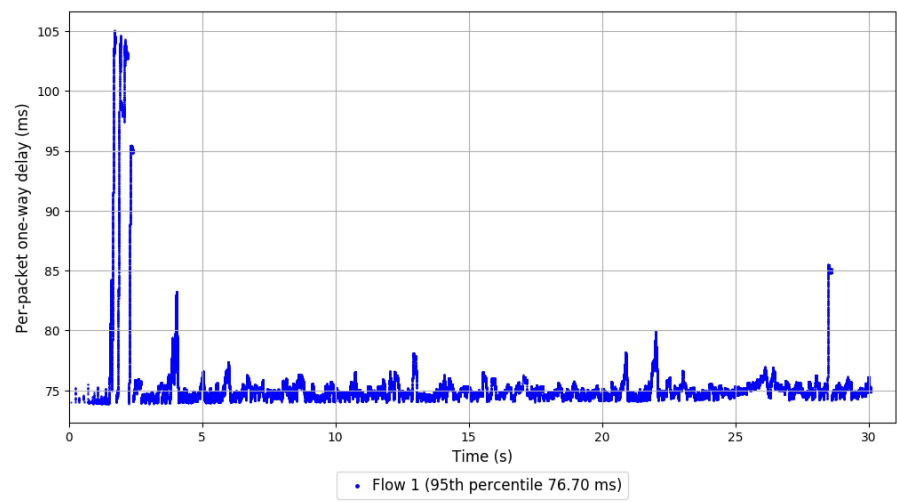Flow 1 (95th percentile 100.20 ms)

```
Run 4: Statistics of Copa

Start at: 2018-08-01 01:01:36
End at: 2018-08-01 01:02:06
Local clock offset: -4.093 ms
Remote clock offset: 25.569 ms

# Below is generated by plot.py at 2018-08-01 03:25:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 112.258 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 112.258 ms
Loss rate: 2.59%
```

Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 79.76 Mbit/s)   Flow 1 egress (mean 77.69 Mbit/s)

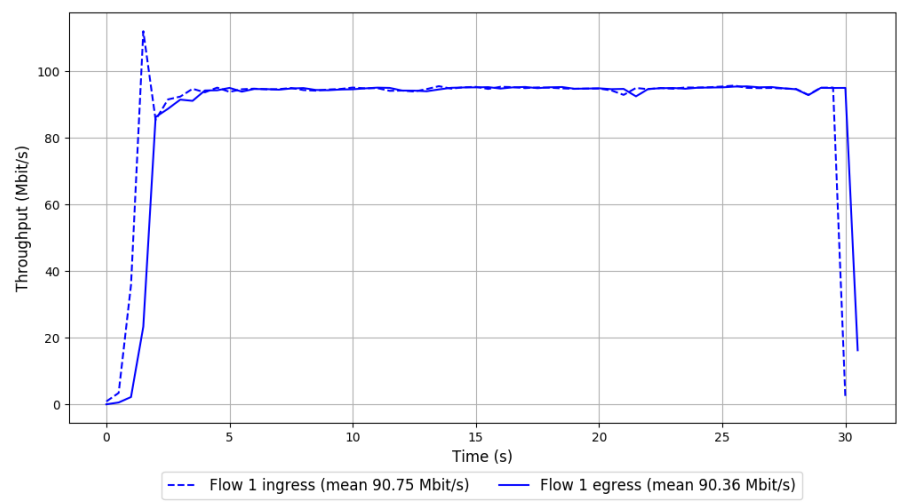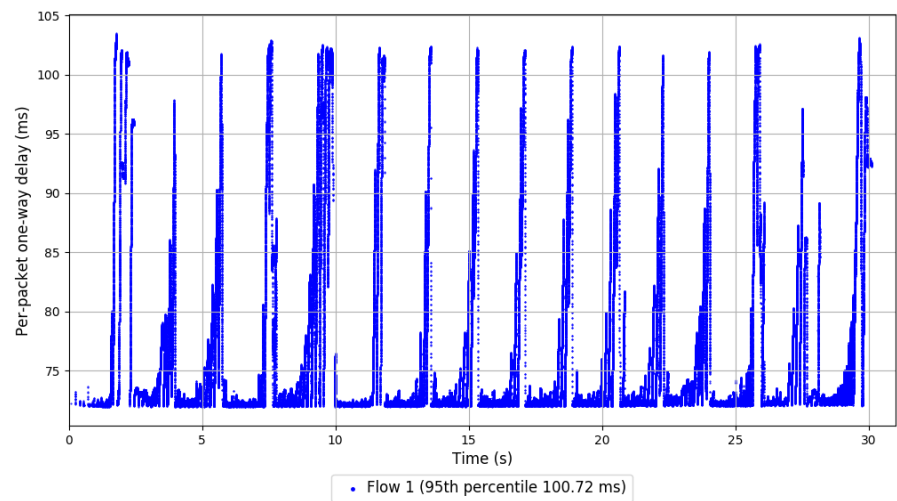Flow 1 (95th percentile 112.26 ms)

```
Run 5: Statistics of Copa

Start at: 2018-08-01 01:21:31
End at: 2018-08-01 01:22:01
Local clock offset: -3.728 ms
Remote clock offset: 10.726 ms


# Below is generated by plot.py at 2018-08-01 03:26:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.36 Mbit/s
95th percentile per-packet one-way delay: 76.702 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 90.36 Mbit/s
95th percentile per-packet one-way delay: 76.702 ms
Loss rate: 0.43%
```

Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 90.75 Mbit/s)   Flow 1 egress (mean 90.36 Mbit/s)

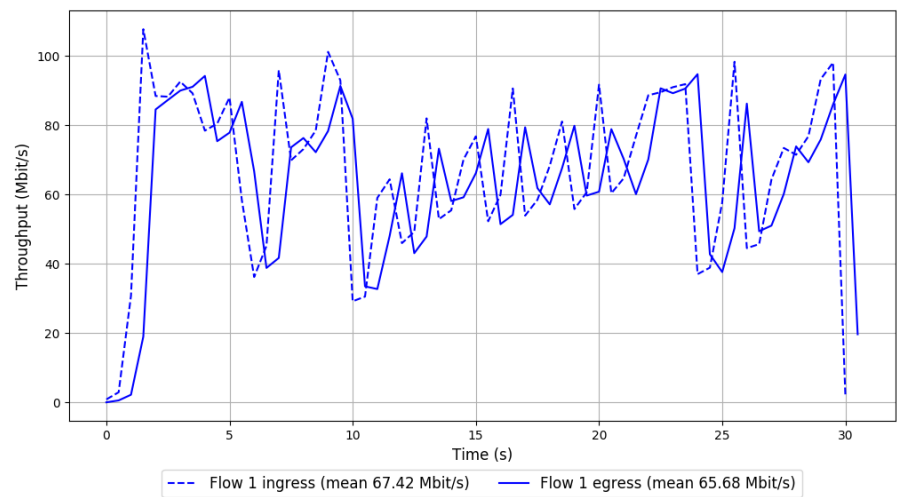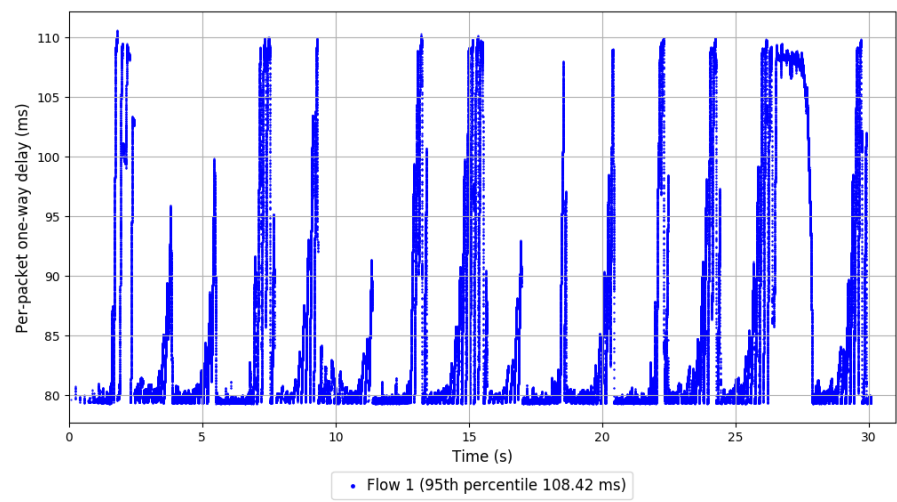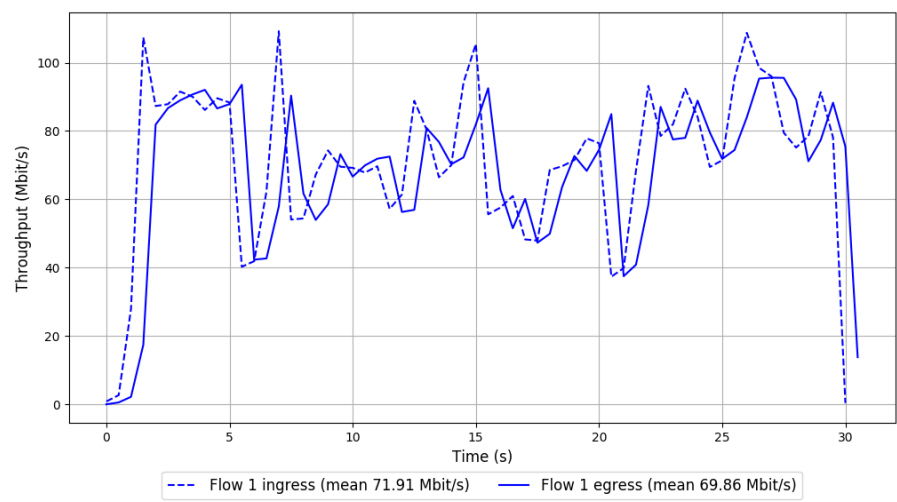Flow 1 (95th percentile 76.70 ms)

```
Run 6: Statistics of Copa

Start at: 2018-08-01 01:41:25
End at: 2018-08-01 01:41:55
Local clock offset: -4.217 ms
Remote clock offset: 1.935 ms


# Below is generated by plot.py at 2018-08-01 03:26:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 100.722 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 100.722 ms
Loss rate: 2.51%
```

Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 67.42 Mbit/s) — — — Flow 1 egress (mean 65.68 Mbit/s)

• Flow 1 (95th percentile 100.72 ms)

```
Run 7: Statistics of Copa

Start at: 2018-08-01 02:01:19
End at: 2018-08-01 02:01:49
Local clock offset: -5.478 ms
Remote clock offset: 7.051 ms


# Below is generated by plot.py at 2018-08-01 03:26:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.86 Mbit/s
95th percentile per-packet one-way delay: 108.423 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 69.86 Mbit/s
95th percentile per-packet one-way delay: 108.423 ms
Loss rate: 2.85%
```
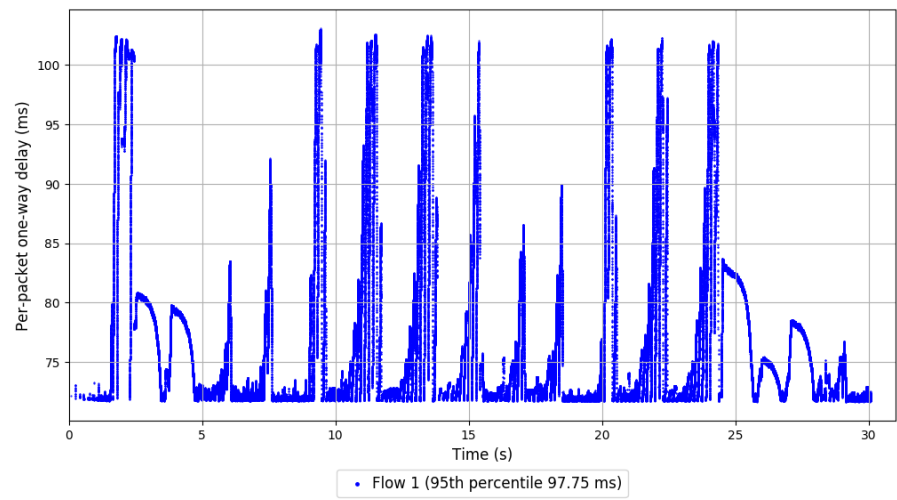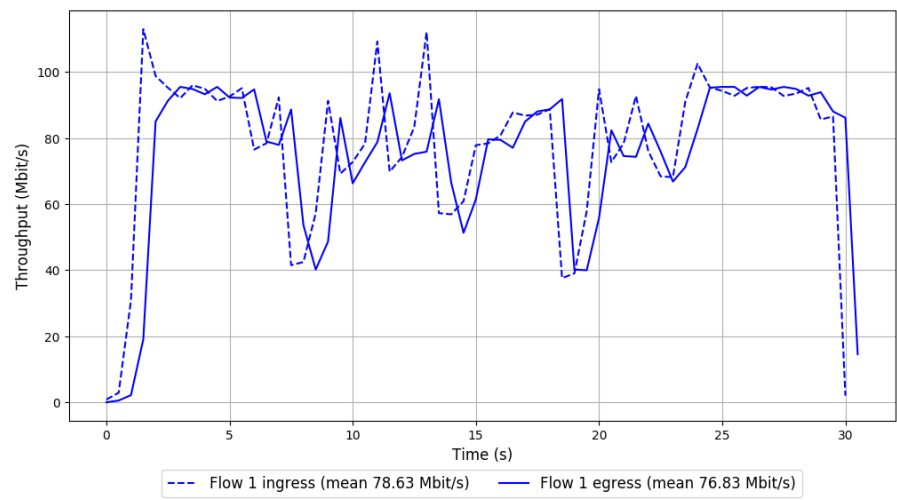
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 71.91 Mbit/s)   Flow 1 egress (mean 69.86 Mbit/s)

Flow 1 (95th percentile 108.42 ms)

```
Run 8: Statistics of Copa

Start at: 2018-08-01 02:21:15
End at: 2018-08-01 02:21:45
Local clock offset: -6.393 ms
Remote clock offset: 1.017 ms


# Below is generated by plot.py at 2018-08-01 03:26:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.83 Mbit/s
95th percentile per-packet one-way delay: 97.746 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 76.83 Mbit/s
95th percentile per-packet one-way delay: 97.746 ms
Loss rate: 2.29%
```

Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-08-01 02:41:12
End at: 2018-08-01 02:41:42
Local clock offset: -0.664 ms
Remote clock offset: 1.891 ms


# Below is generated by plot.py at 2018-08-01 03:27:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 102.597 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 102.597 ms
Loss rate: 3.61%
```
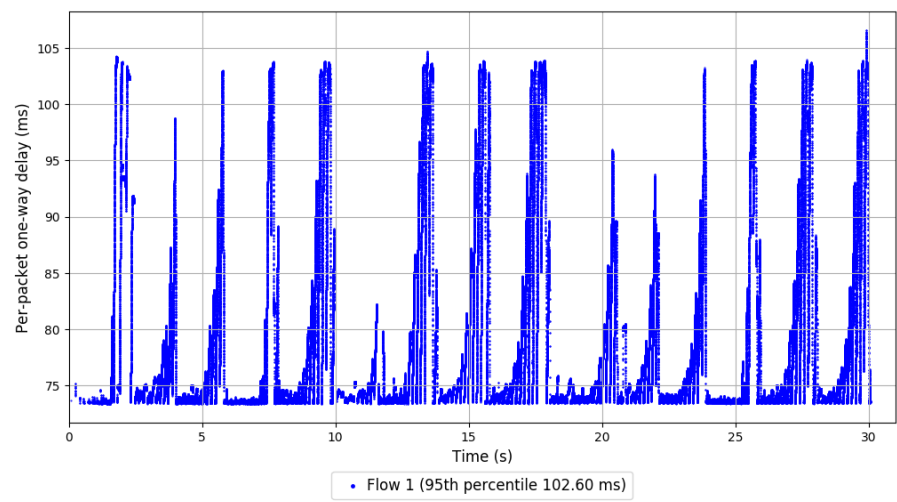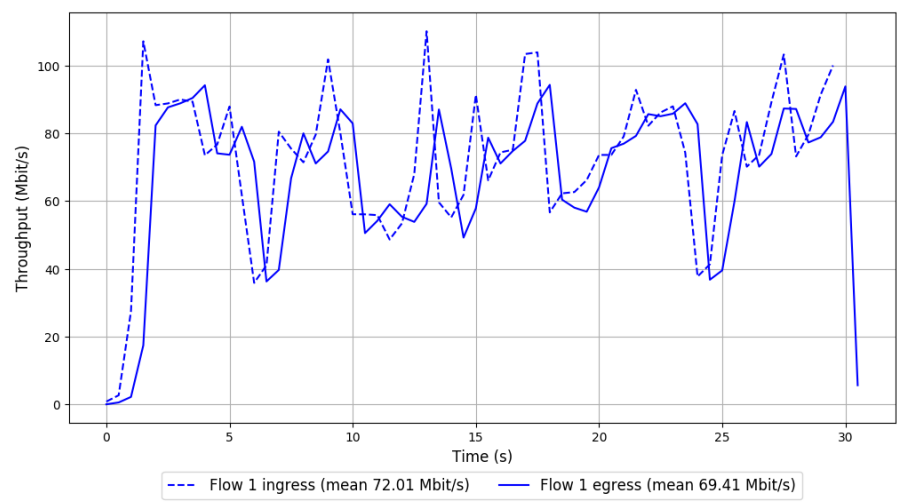
Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2018-08-01 03:01:07
End at: 2018-08-01 03:01:37
Local clock offset: 1.219 ms
Remote clock offset: 4.21 ms


# Below is generated by plot.py at 2018-08-01 03:27:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 99.725 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 99.725 ms
Loss rate: 2.87%
```
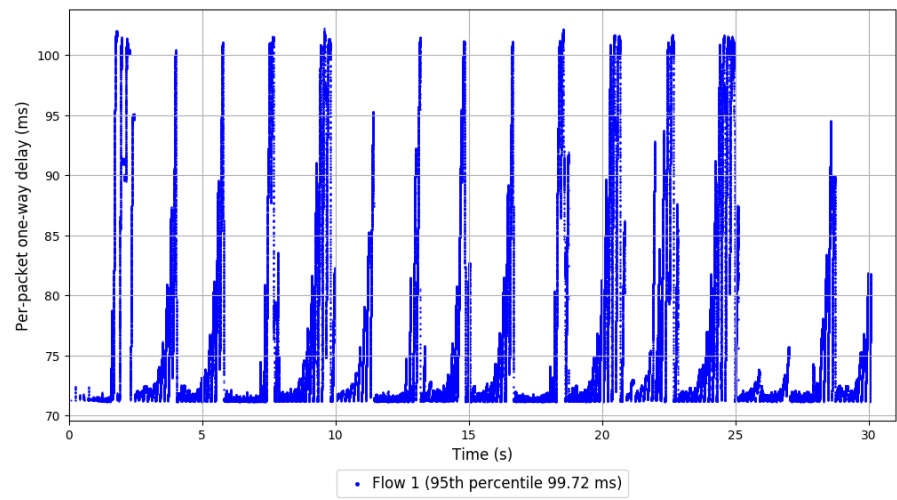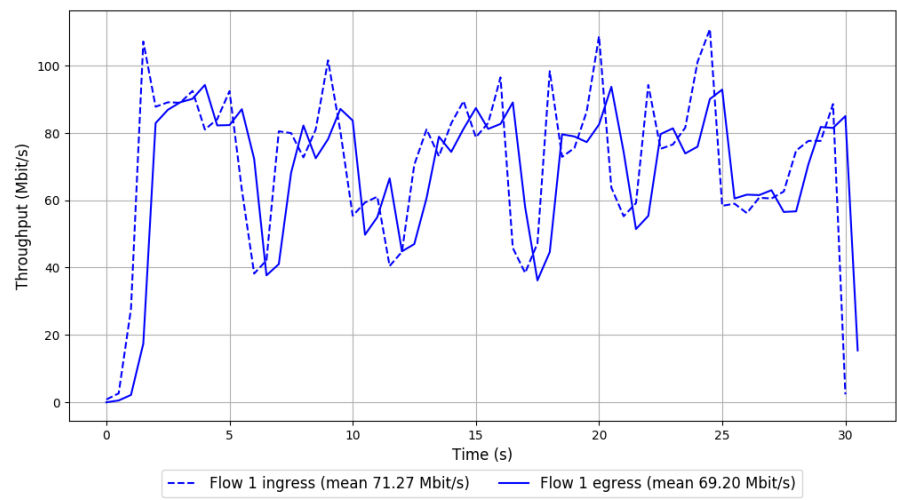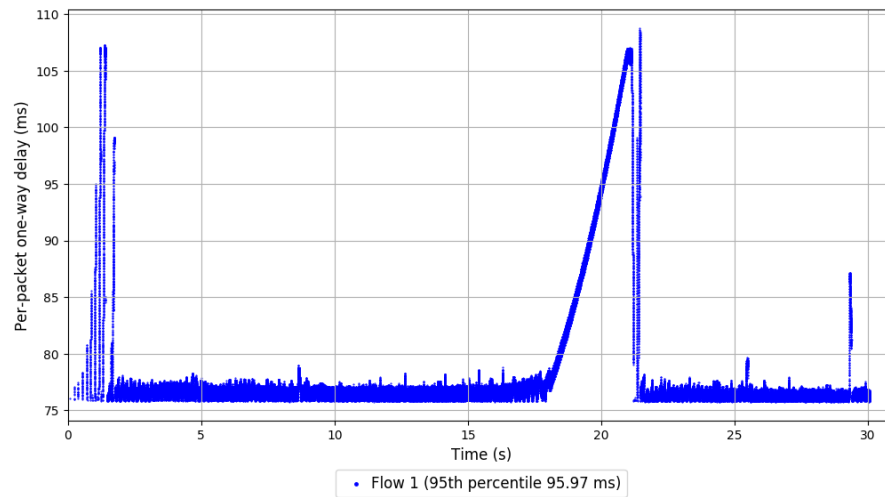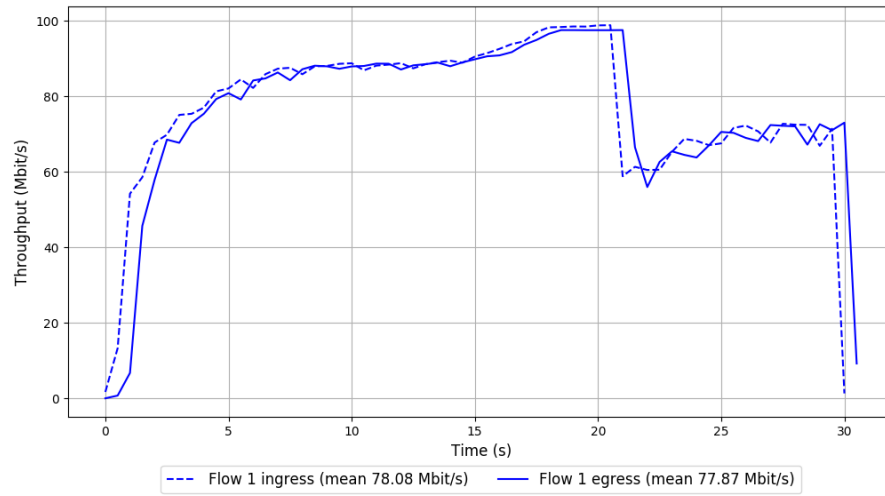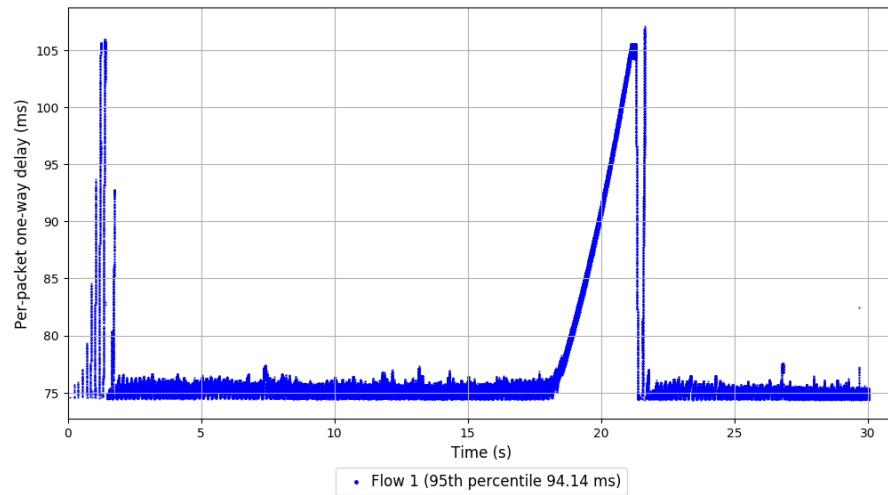
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 00:20:37
End at: 2018-08-01 00:21:07
Local clock offset: -0.432 ms
Remote clock offset: 17.274 ms

# Below is generated by plot.py at 2018-08-01 03:27:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 95.970 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 95.970 ms
Loss rate: 0.27%
```
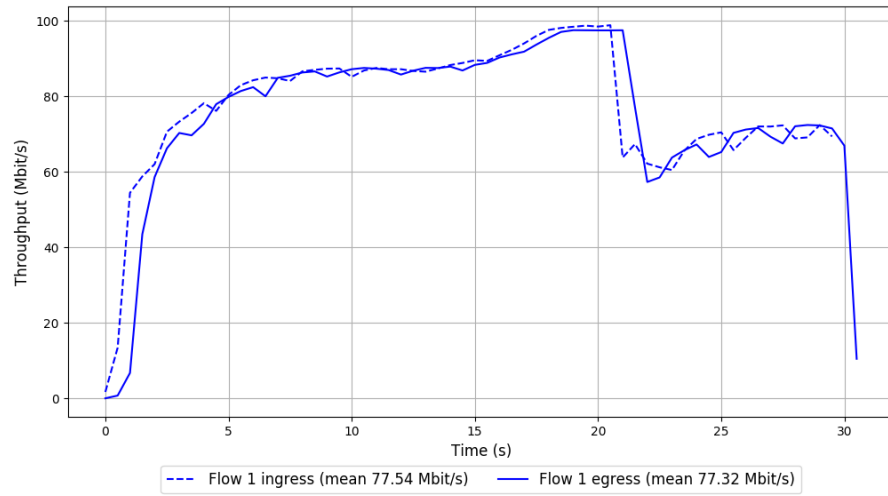
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 00:40:31
End at: 2018-08-01 00:41:01
Local clock offset: -3.678 ms
Remote clock offset: 18.011 ms


# Below is generated by plot.py at 2018-08-01 03:27:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.32 Mbit/s
95th percentile per-packet one-way delay: 94.141 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 77.32 Mbit/s
95th percentile per-packet one-way delay: 94.141 ms
Loss rate: 0.29%
```
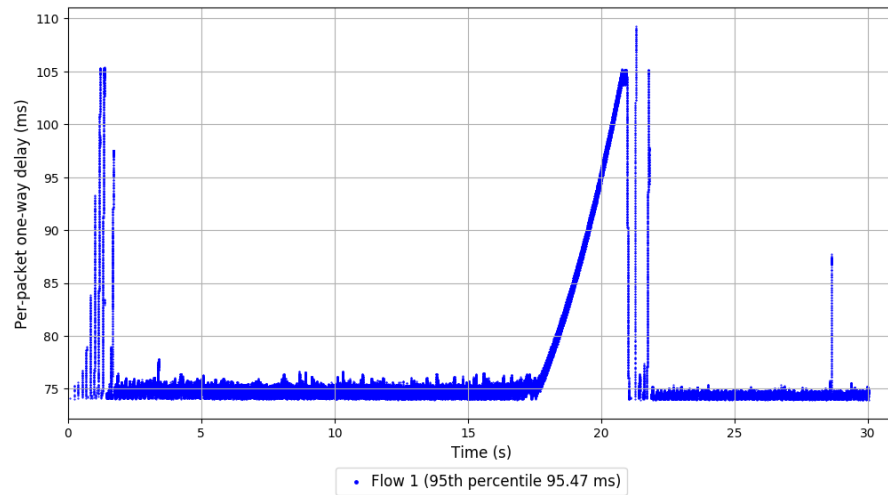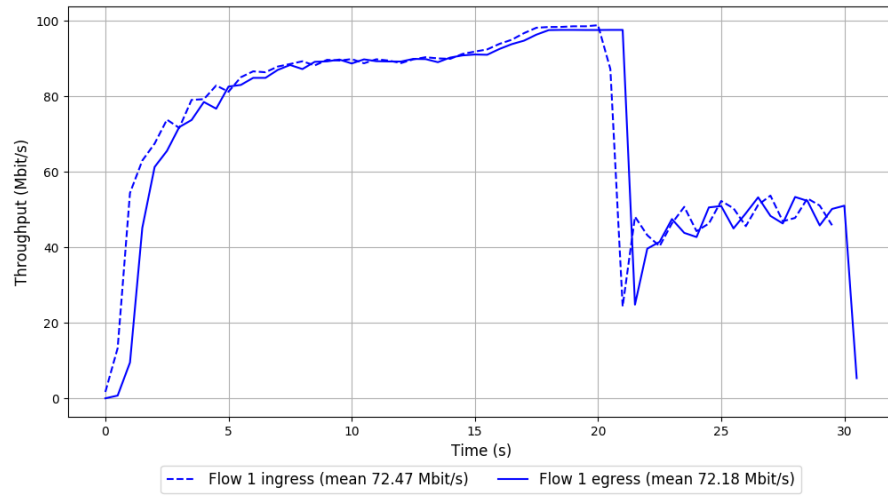
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 01:00:25
End at: 2018-08-01 01:00:55
Local clock offset: -3.975 ms
Remote clock offset: 25.398 ms


# Below is generated by plot.py at 2018-08-01 03:27:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 95.465 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 95.465 ms
Loss rate: 0.39%
```
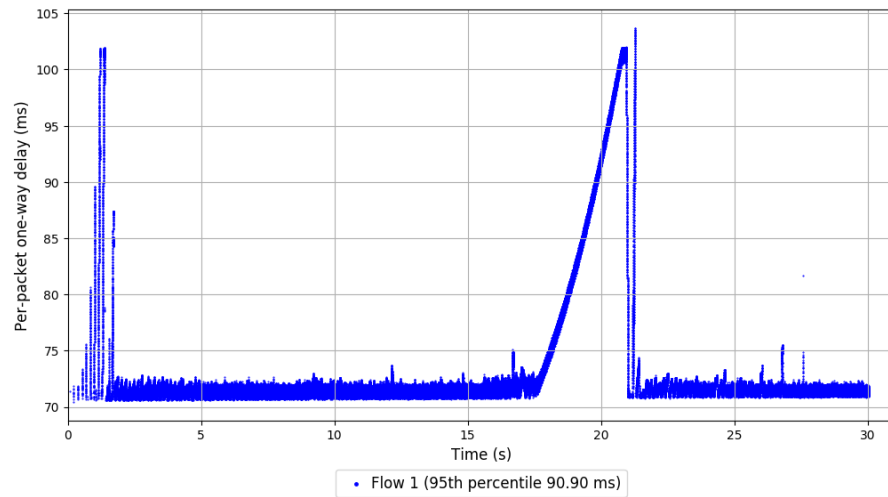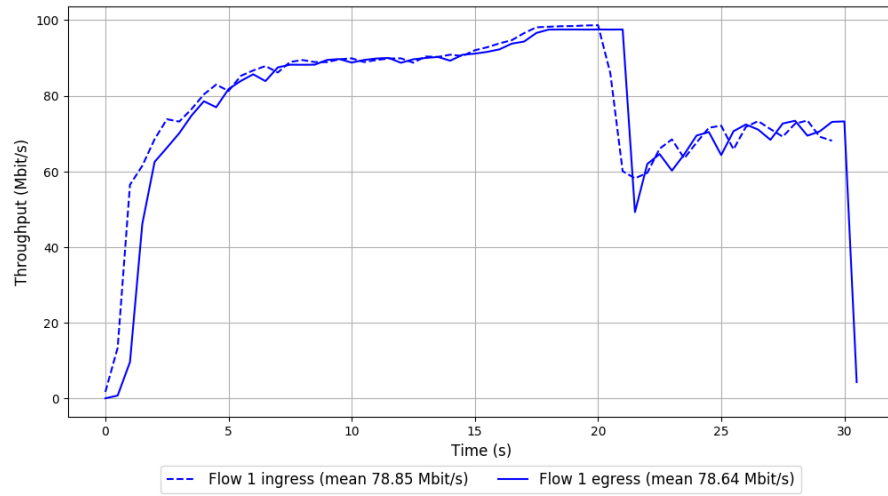
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 72.47 Mbit/s)   Flow 1 egress (mean 72.18 Mbit/s)

Flow 1 (95th percentile 95.47 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 01:20:20
End at: 2018-08-01 01:20:50
Local clock offset: -3.765 ms
Remote clock offset: 7.715 ms


# Below is generated by plot.py at 2018-08-01 03:27:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 90.901 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 90.901 ms
Loss rate: 0.27%
```

Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 01:40:16
End at: 2018-08-01 01:40:46
Local clock offset: -4.224 ms
Remote clock offset: -0.41 ms


# Below is generated by plot.py at 2018-08-01 03:27:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 87.205 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 87.205 ms
Loss rate: 0.16%
```
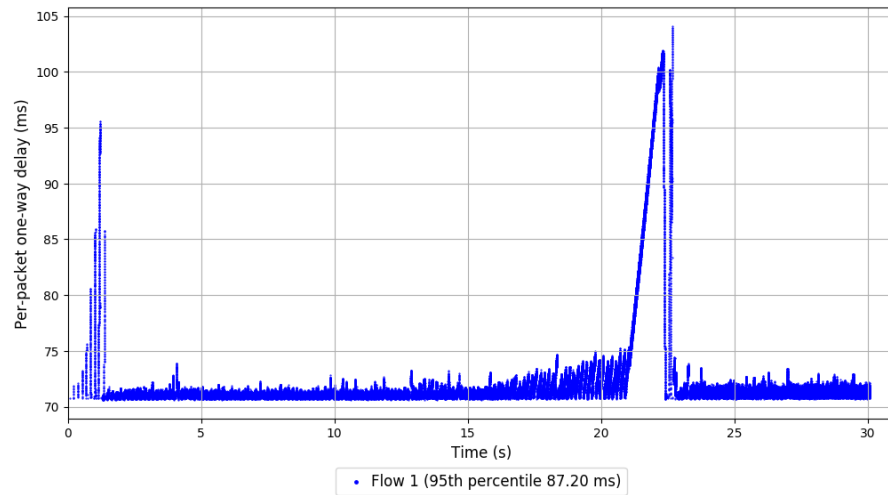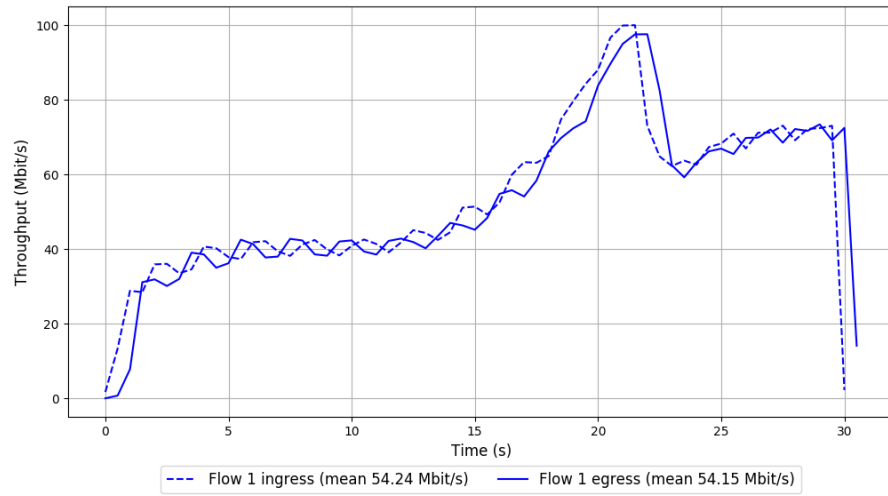
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 02:00:08
End at: 2018-08-01 02:00:39
Local clock offset: -5.323 ms
Remote clock offset: 4.873 ms


# Below is generated by plot.py at 2018-08-01 03:27:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 87.762 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 87.762 ms
Loss rate: 0.20%
```
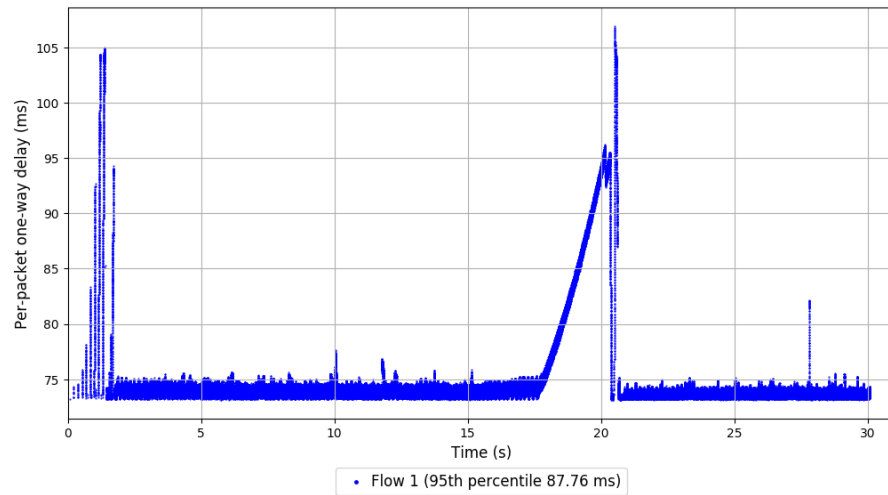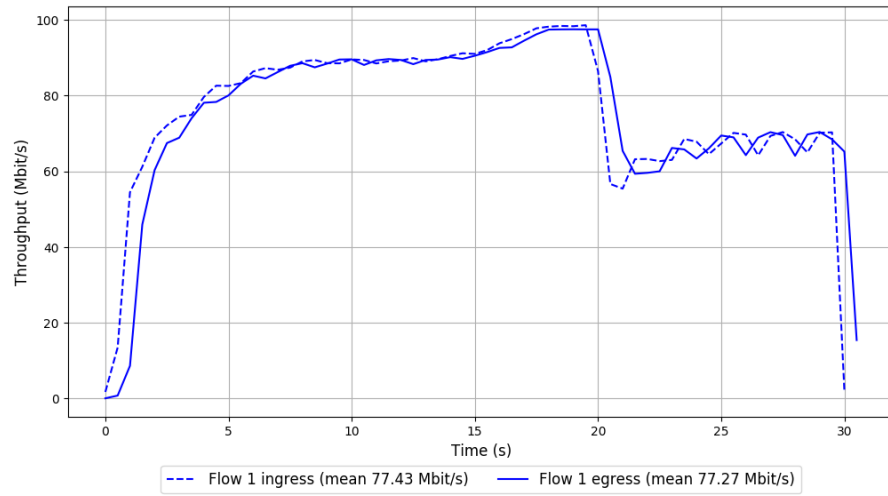
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 02:20:06
End at: 2018-08-01 02:20:36
Local clock offset: -6.376 ms
Remote clock offset: 3.414 ms


# Below is generated by plot.py at 2018-08-01 03:27:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.38 Mbit/s
95th percentile per-packet one-way delay: 90.585 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 61.38 Mbit/s
95th percentile per-packet one-way delay: 90.585 ms
Loss rate: 0.57%
```
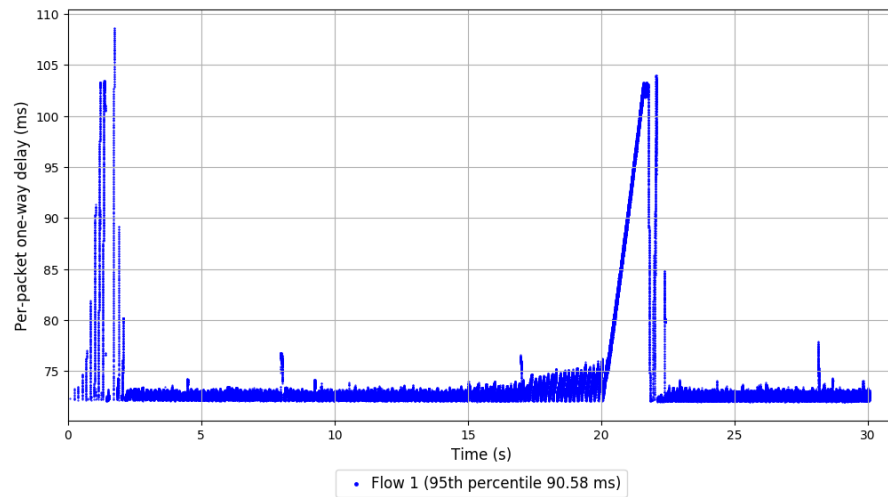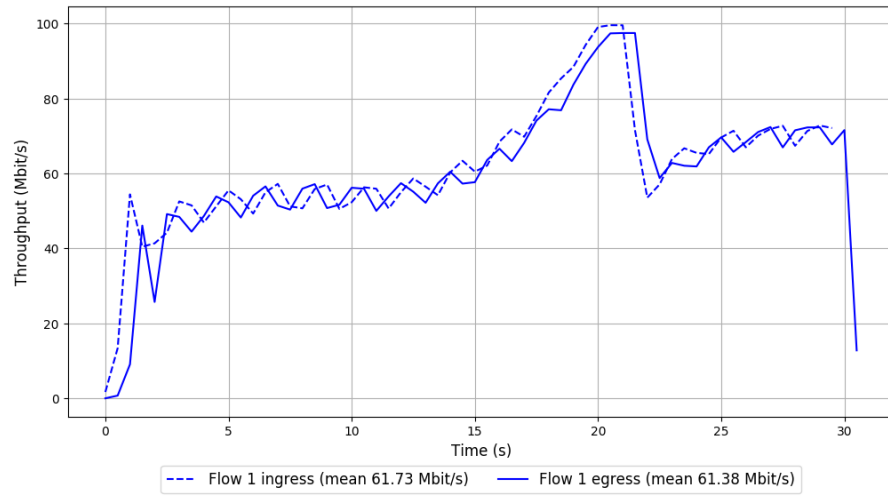
Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 02:40:02
End at: 2018-08-01 02:40:32
Local clock offset: -0.833 ms
Remote clock offset: 7.822 ms


# Below is generated by plot.py at 2018-08-01 03:27:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.21 Mbit/s
95th percentile per-packet one-way delay: 95.764 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 77.21 Mbit/s
95th percentile per-packet one-way delay: 95.764 ms
Loss rate: 0.28%
```
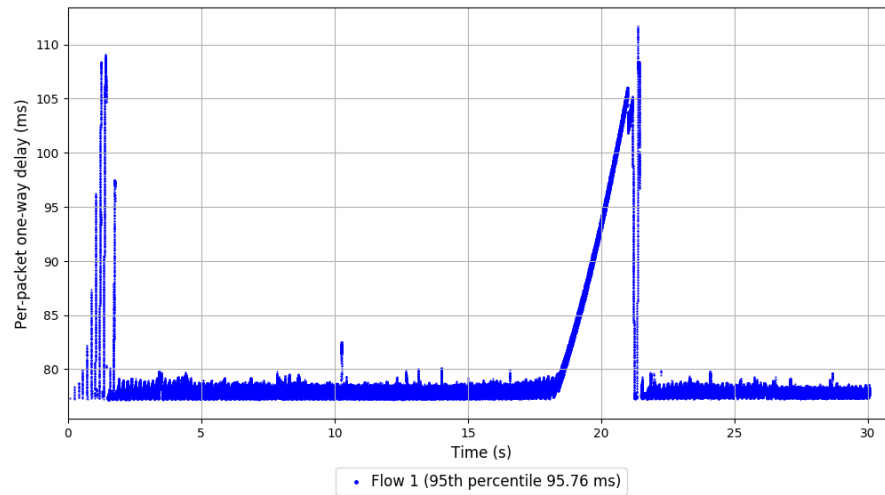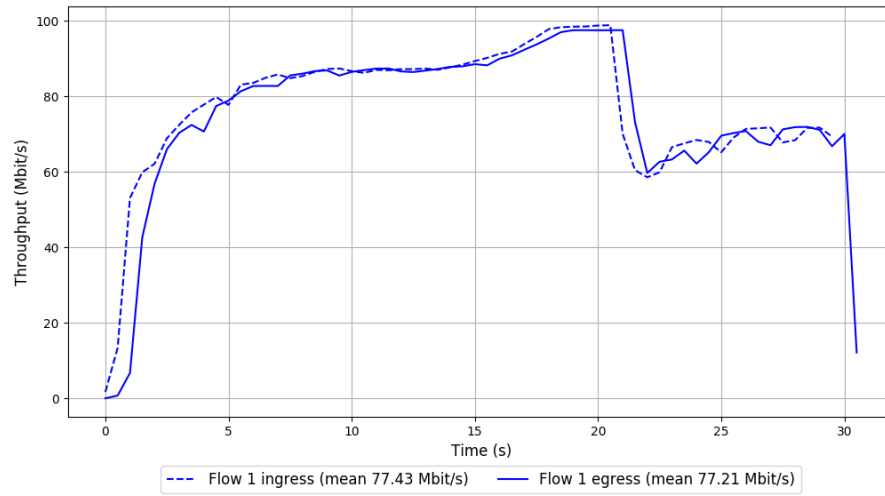
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 02:59:57
End at: 2018-08-01 03:00:27
Local clock offset: 1.077 ms
Remote clock offset: 3.943 ms


# Below is generated by plot.py at 2018-08-01 03:27:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 89.157 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 89.157 ms
Loss rate: 0.24%
```
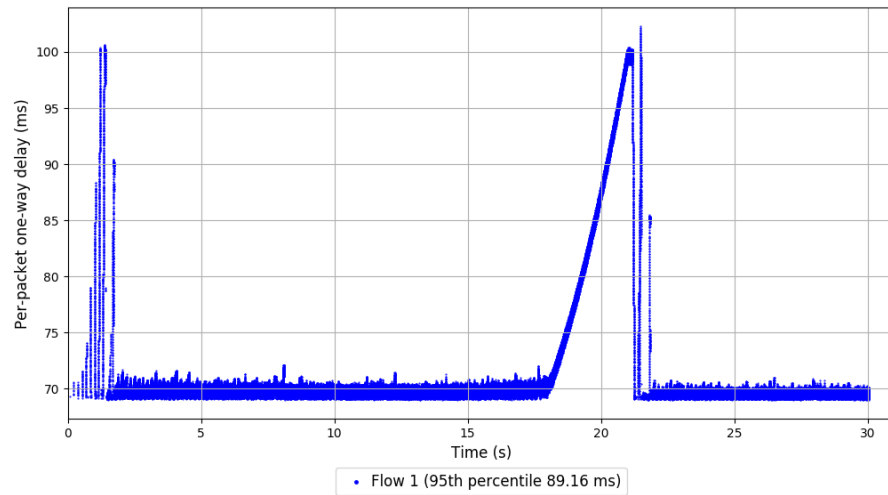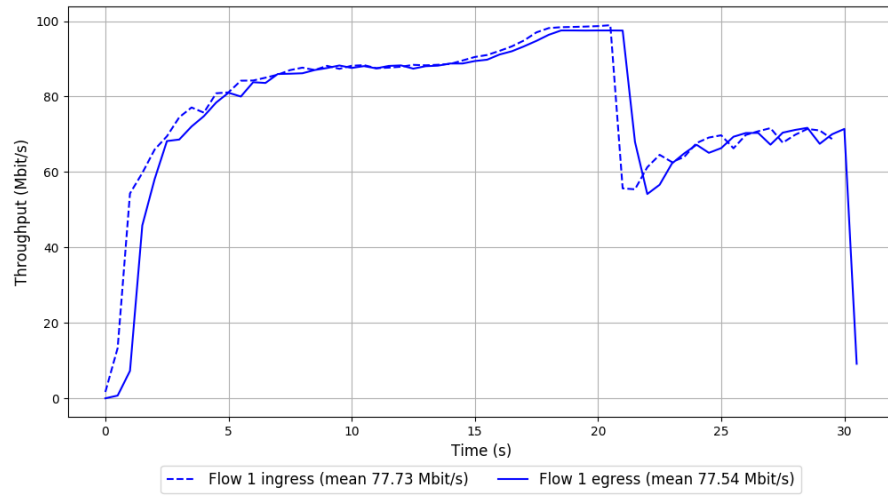
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 77.73 Mbit/s)   —— Flow 1 egress (mean 77.54 Mbit/s)

• Flow 1 (95th percentile 89.16 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 03:19:52
End at: 2018-08-01 03:20:22
Local clock offset: 2.542 ms
Remote clock offset: 6.548 ms


# Below is generated by plot.py at 2018-08-01 03:27:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.13 Mbit/s
95th percentile per-packet one-way delay: 88.266 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 74.13 Mbit/s
95th percentile per-packet one-way delay: 88.266 ms
Loss rate: 0.34%
```
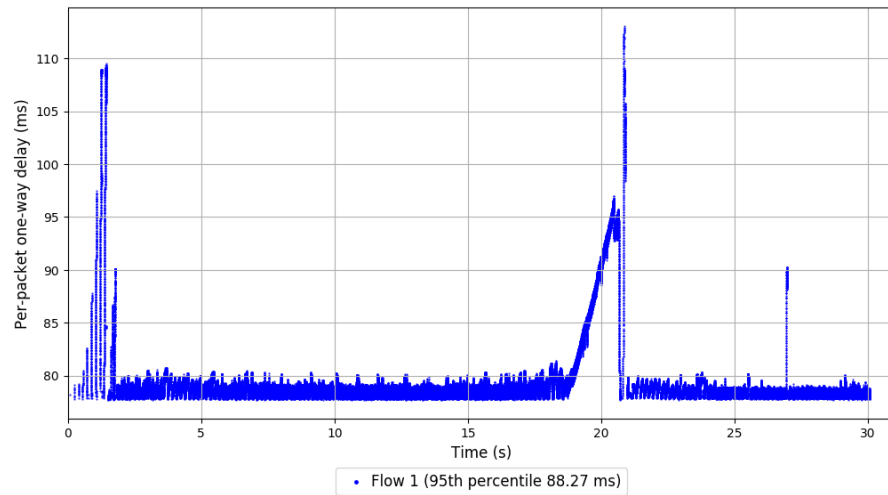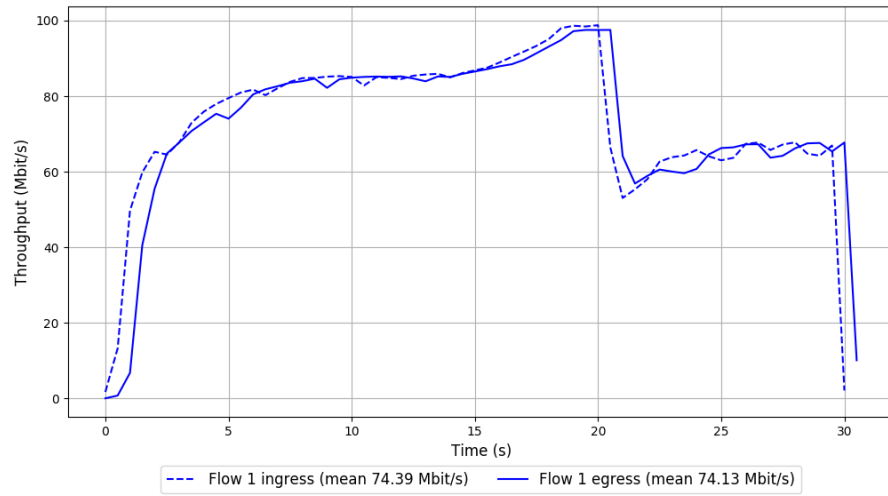
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 74.39 Mbit/s)   Flow 1 egress (mean 74.13 Mbit/s)

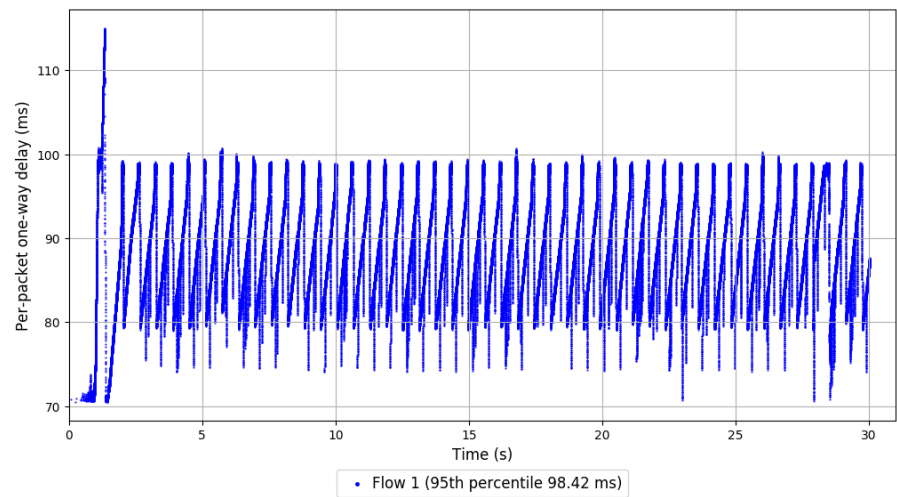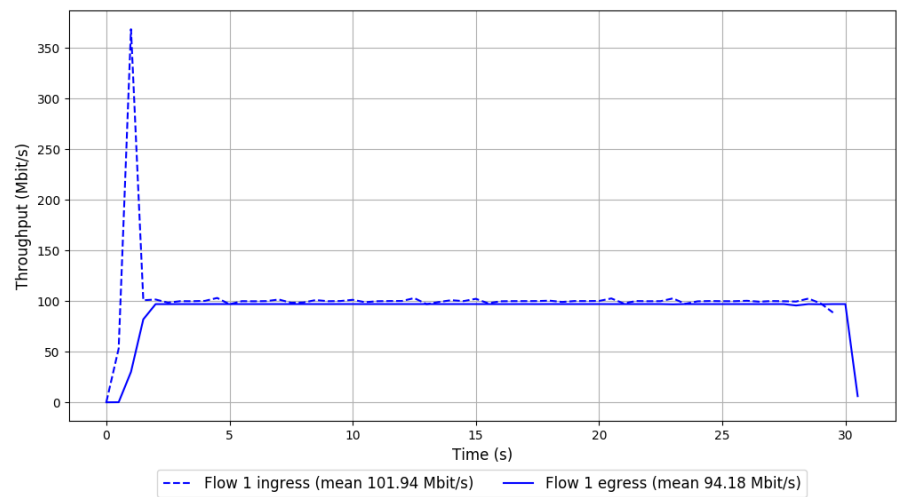
Flow 1 (95th percentile 88.27 ms)

```
Run 1: Statistics of FillP

Start at: 2018-08-01 00:18:20
End at: 2018-08-01 00:18:50
Local clock offset: -0.673 ms
Remote clock offset: 12.023 ms


# Below is generated by plot.py at 2018-08-01 03:28:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 98.425 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 98.425 ms
Loss rate: 7.55%
```

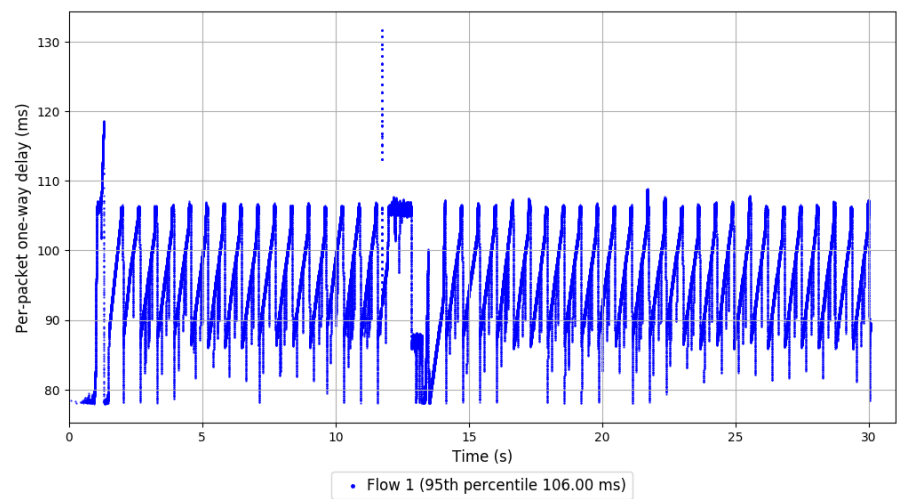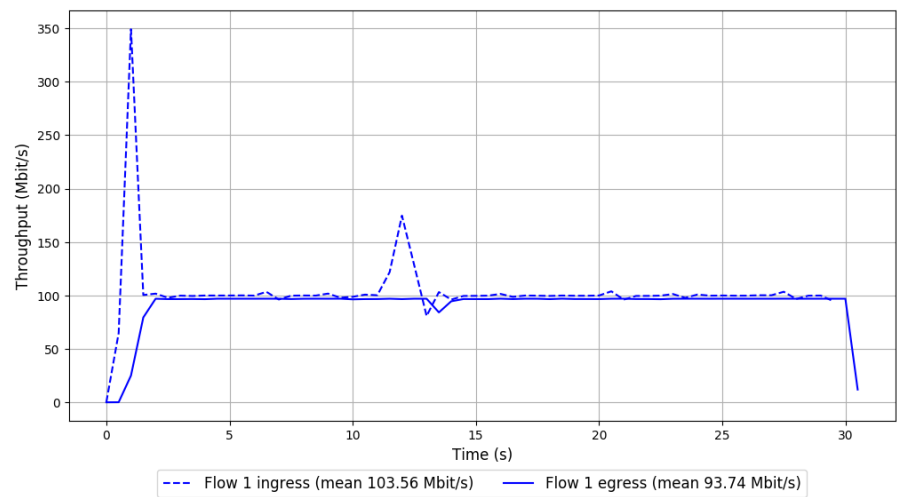Run 1: Report of FillP — Data Link

```
Run 2: Statistics of FillP

Start at: 2018-08-01 00:38:13
End at: 2018-08-01 00:38:43
Local clock offset: -3.684 ms
Remote clock offset: 21.136 ms


# Below is generated by plot.py at 2018-08-01 03:28:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 105.995 ms
Loss rate: 9.45%
-- Flow 1:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 105.995 ms
Loss rate: 9.45%
```
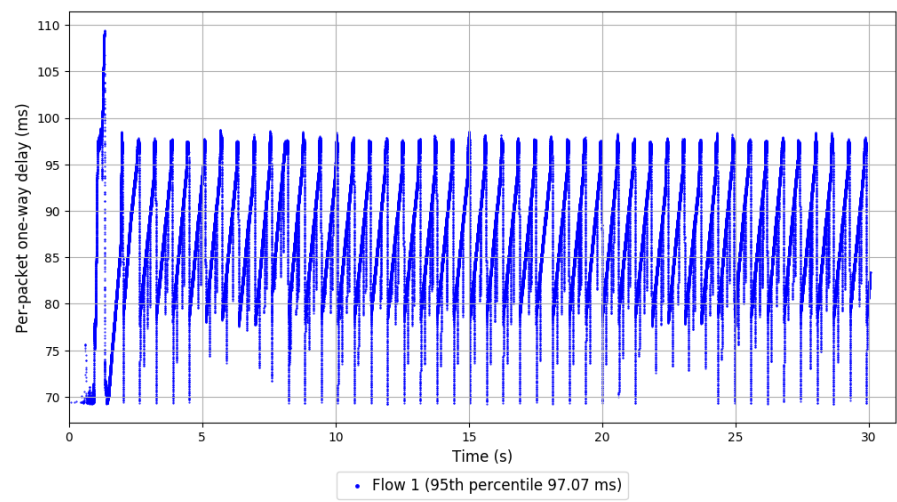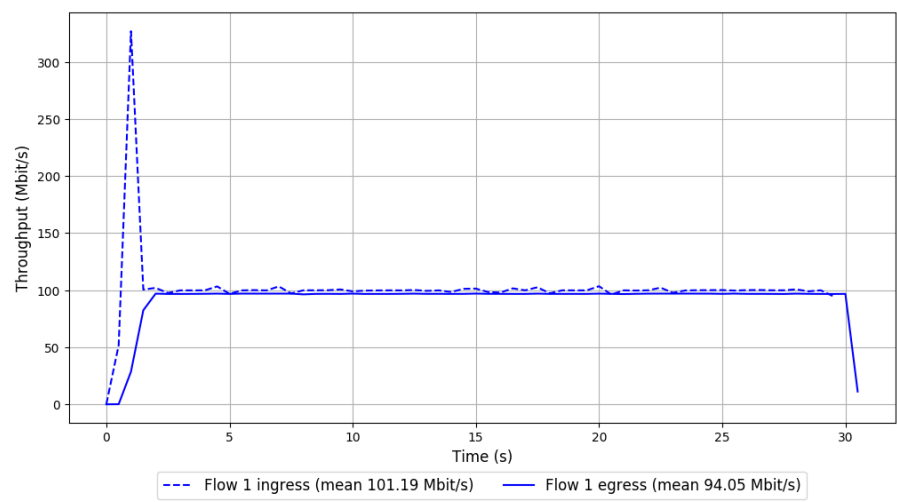
Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-08-01 00:58:08
End at: 2018-08-01 00:58:38
Local clock offset: -3.853 ms
Remote clock offset: 20.113 ms


# Below is generated by plot.py at 2018-08-01 03:28:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 97.074 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 97.074 ms
Loss rate: 7.01%
```

Run 3: Report of FillP — Data Link

```
Run 4: Statistics of FillP

Start at: 2018-08-01 01:18:03
End at: 2018-08-01 01:18:33
Local clock offset: -3.859 ms
Remote clock offset: 8.381 ms


# Below is generated by plot.py at 2018-08-01 03:28:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 99.115 ms
Loss rate: 6.89%
-- Flow 1:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 99.115 ms
Loss rate: 6.89%
```
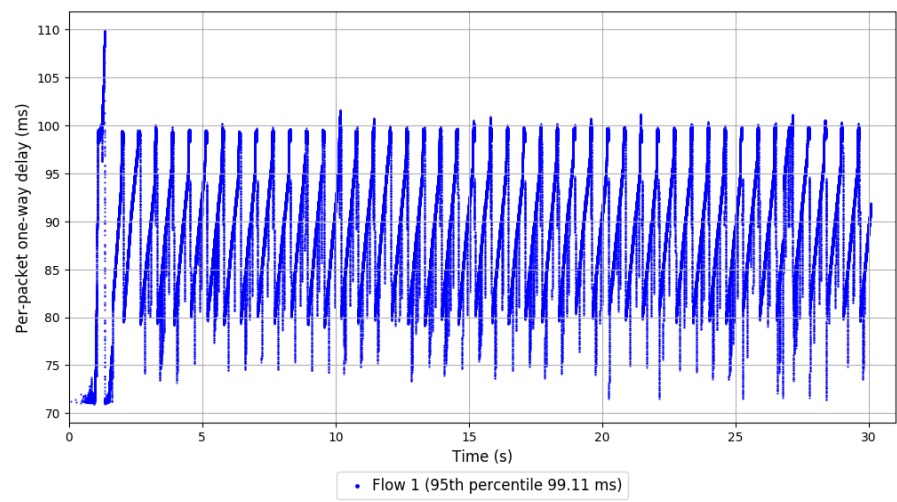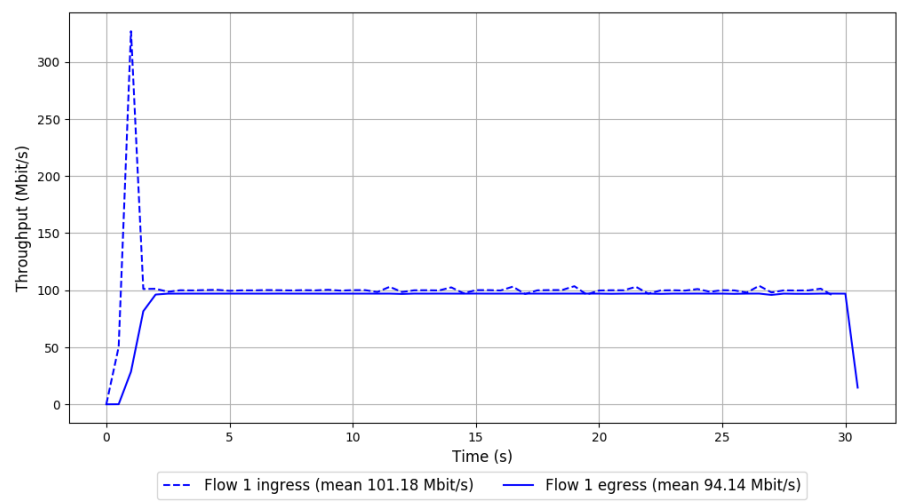
Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 101.18 Mbit/s) — — — Flow 1 egress (mean 94.14 Mbit/s)

• Flow 1 (95th percentile 99.11 ms)

```
Run 5: Statistics of FillP

Start at: 2018-08-01 01:37:59
End at: 2018-08-01 01:38:29
Local clock offset: -4.238 ms
Remote clock offset: 6.287 ms


# Below is generated by plot.py at 2018-08-01 03:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 112.205 ms
Loss rate: 7.41%
-- Flow 1:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 112.205 ms
Loss rate: 7.41%
```
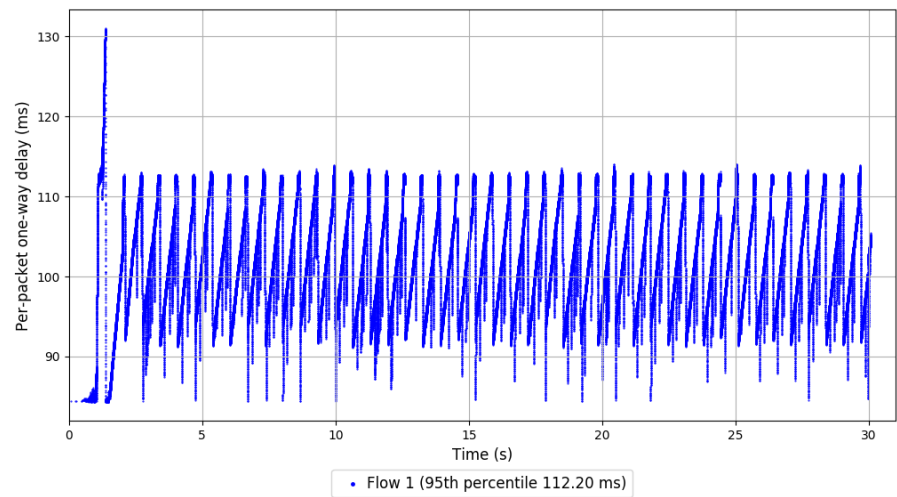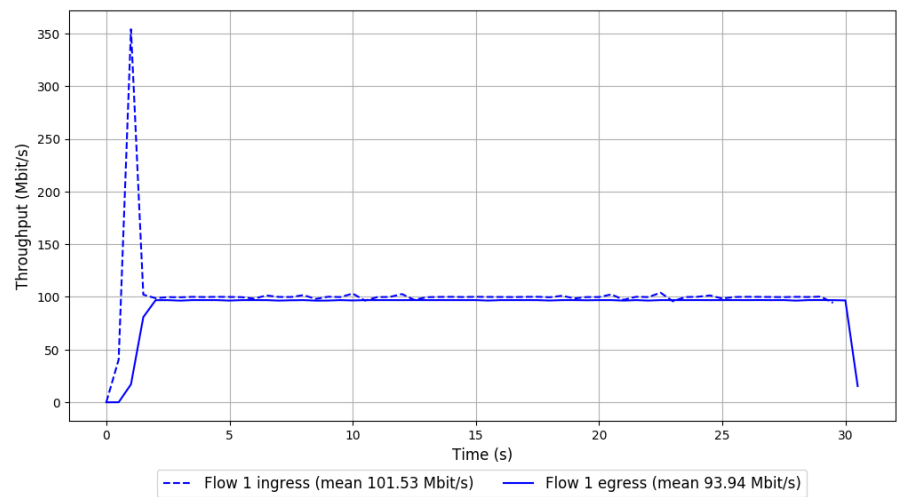
Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 101.53 Mbit/s)   Flow 1 egress (mean 93.94 Mbit/s)

Flow 1 (95th percentile 112.20 ms)

```
Run 6: Statistics of FillP

Start at: 2018-08-01 01:57:51
End at: 2018-08-01 01:58:21
Local clock offset: -5.034 ms
Remote clock offset: 2.38 ms


# Below is generated by plot.py at 2018-08-01 03:29:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 105.864 ms
Loss rate: 6.07%
-- Flow 1:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 105.864 ms
Loss rate: 6.07%
```
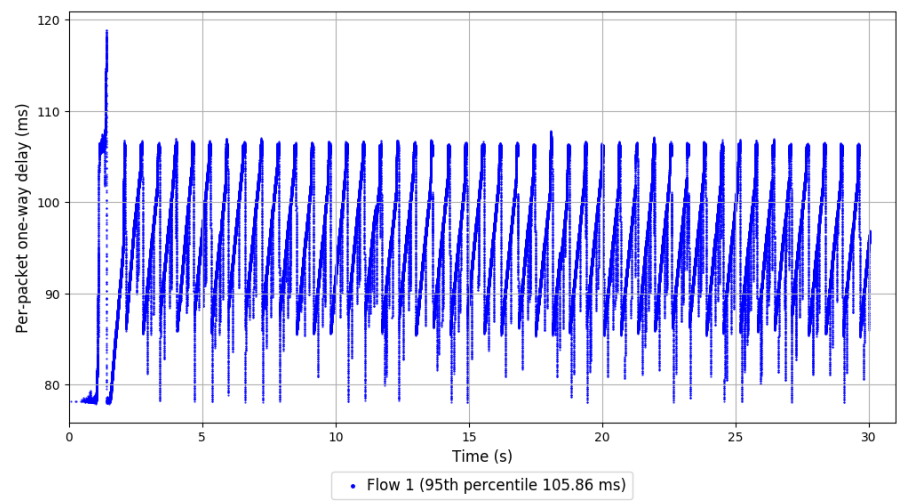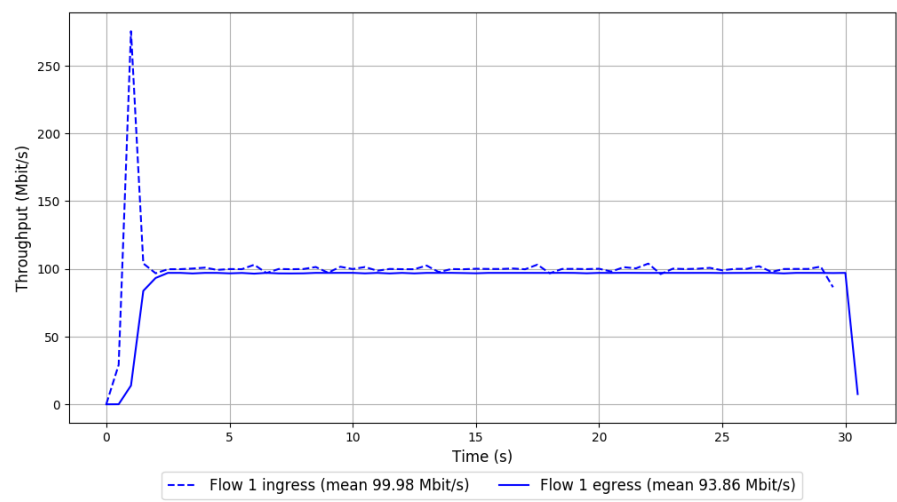
Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 99.98 Mbit/s) --- Flow 1 egress (mean 93.86 Mbit/s)

Flow 1 (95th percentile 105.86 ms)

```
Run 7: Statistics of FillP

Start at: 2018-08-01 02:17:49
End at: 2018-08-01 02:18:19
Local clock offset: -6.263 ms
Remote clock offset: 1.479 ms


# Below is generated by plot.py at 2018-08-01 03:29:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 107.048 ms
Loss rate: 7.43%
-- Flow 1:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 107.048 ms
Loss rate: 7.43%
```
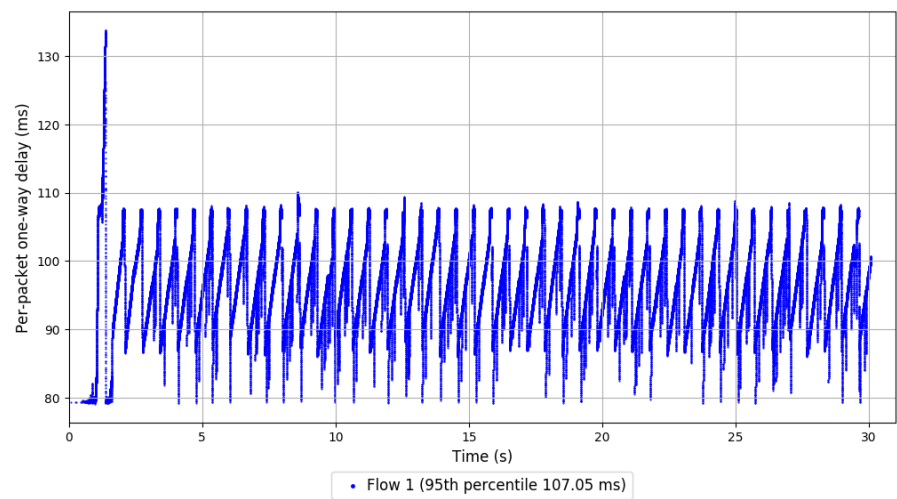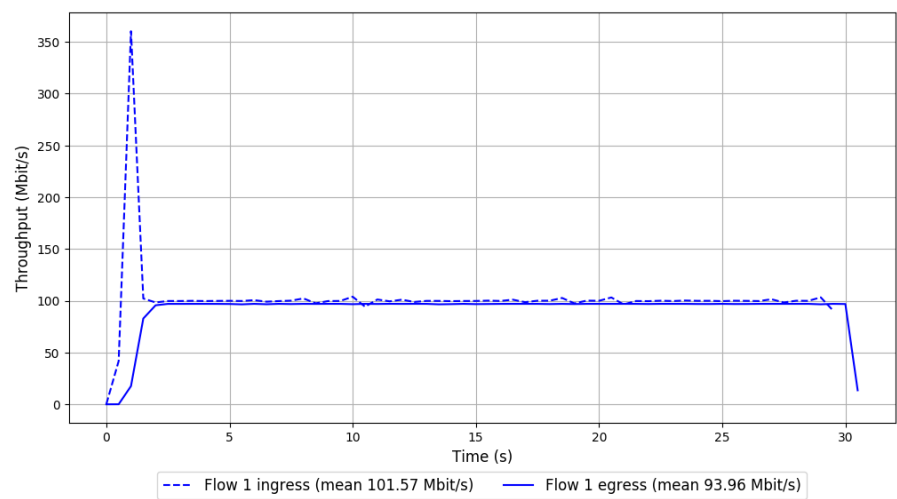
Run 7: Report of FillP — Data Link

```
Run 8: Statistics of FillP

Start at: 2018-08-01 02:37:44
End at: 2018-08-01 02:38:14
Local clock offset: -1.24 ms
Remote clock offset: 7.731 ms


# Below is generated by plot.py at 2018-08-01 03:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 107.199 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 107.199 ms
Loss rate: 7.66%
```
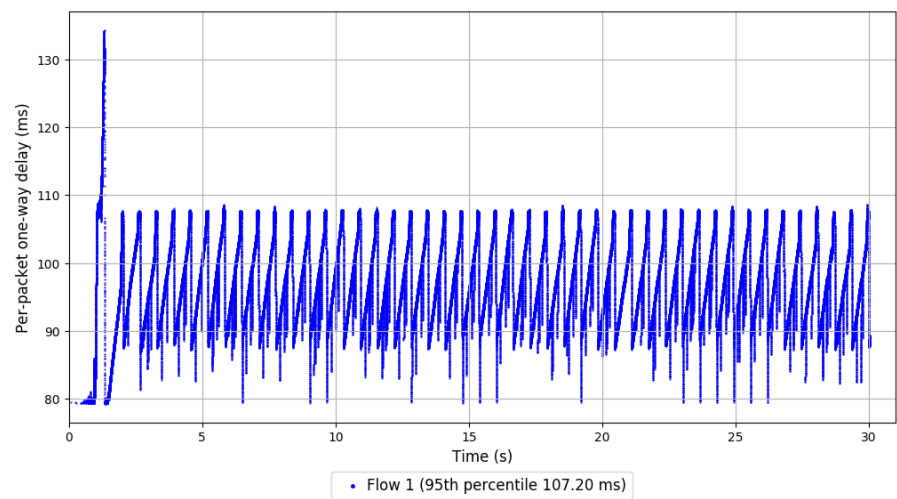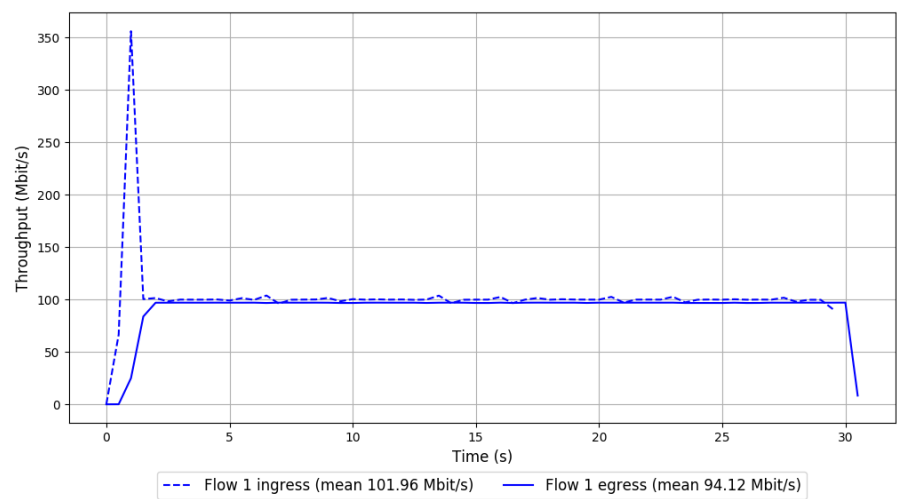
Run 8: Report of FillP — Data Link

```
Run 9: Statistics of FillP

Start at: 2018-08-01 02:57:40
End at: 2018-08-01 02:58:10
Local clock offset: 0.901 ms
Remote clock offset: 4.844 ms


# Below is generated by plot.py at 2018-08-01 03:29:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 100.514 ms
Loss rate: 7.60%
-- Flow 1:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 100.514 ms
Loss rate: 7.60%
```
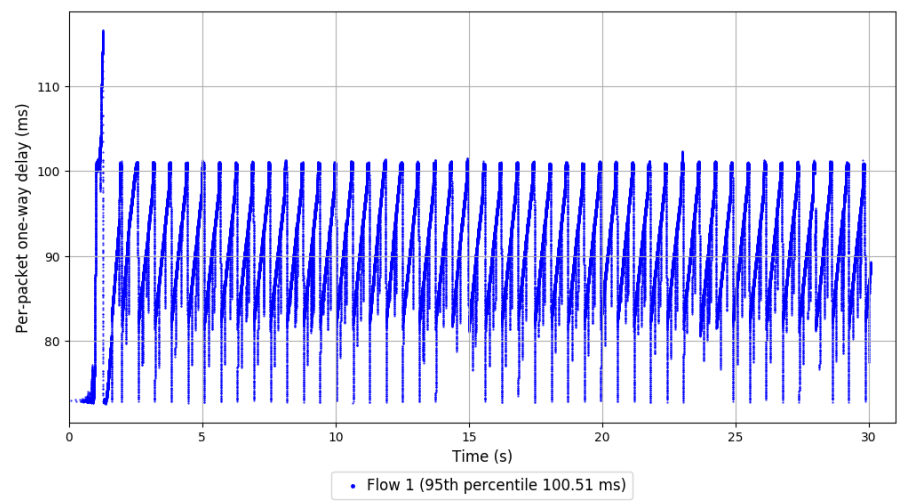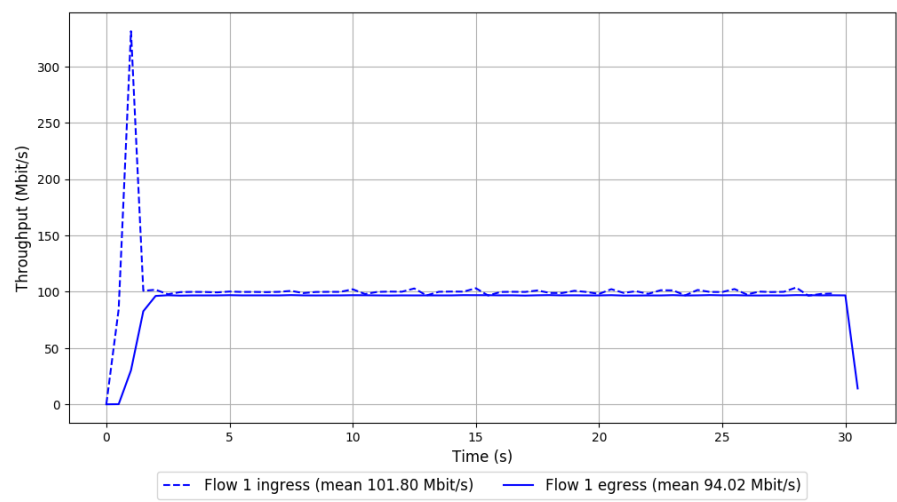
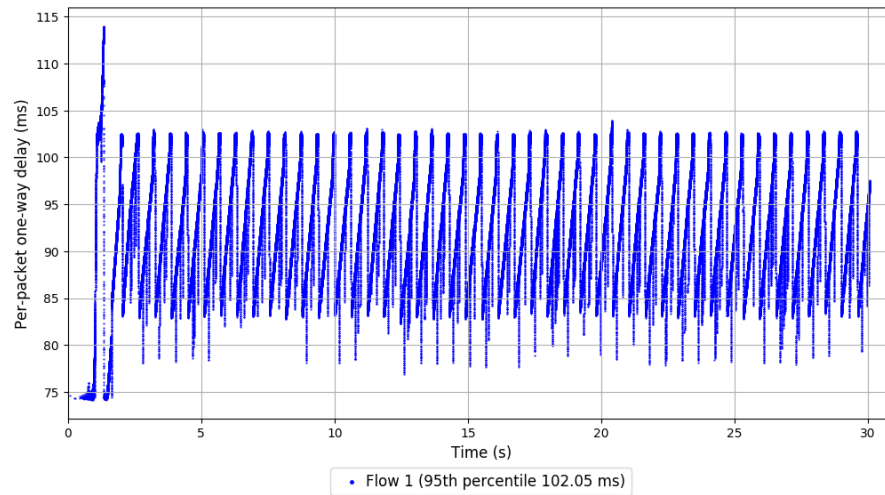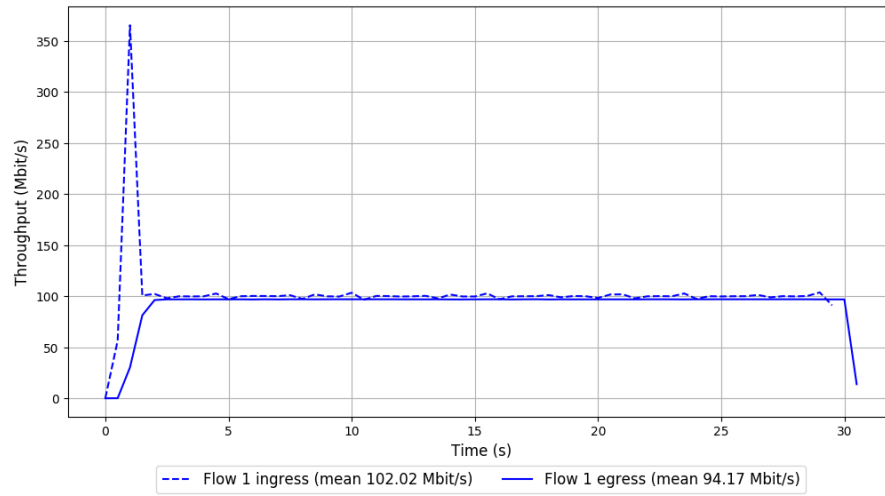Run 9: Report of FillP — Data Link

```
Run 10: Statistics of FillP

Start at: 2018-08-01 03:17:35
End at: 2018-08-01 03:18:05
Local clock offset: 2.4 ms
Remote clock offset: 10.236 ms


# Below is generated by plot.py at 2018-08-01 03:29:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 102.049 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 102.049 ms
Loss rate: 7.63%
```

Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 102.02 Mbit/s) --- Flow 1 egress (mean 94.17 Mbit/s)

Flow 1 (95th percentile 102.05 ms)

```
Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 00:05:25
End at: 2018-08-01 00:05:55
Local clock offset: -1.589 ms
Remote clock offset: 9.493 ms


# Below is generated by plot.py at 2018-08-01 03:29:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 102.573 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 102.573 ms
Loss rate: 2.60%
```
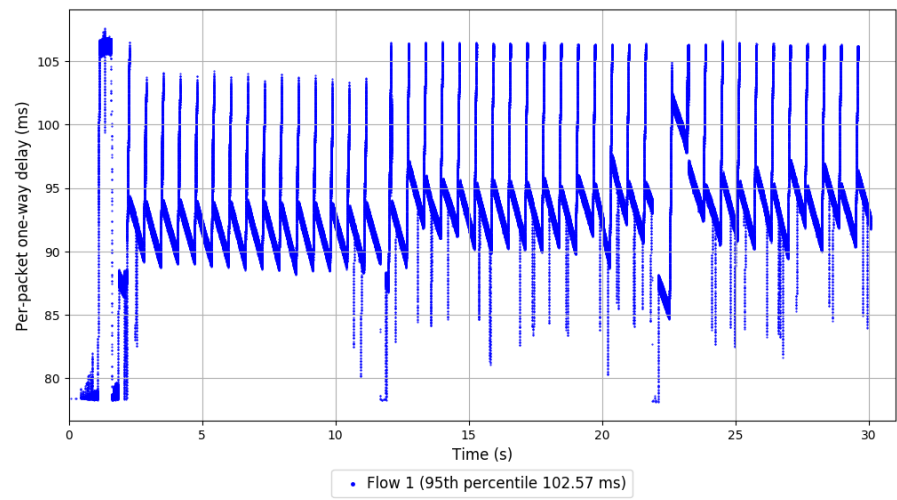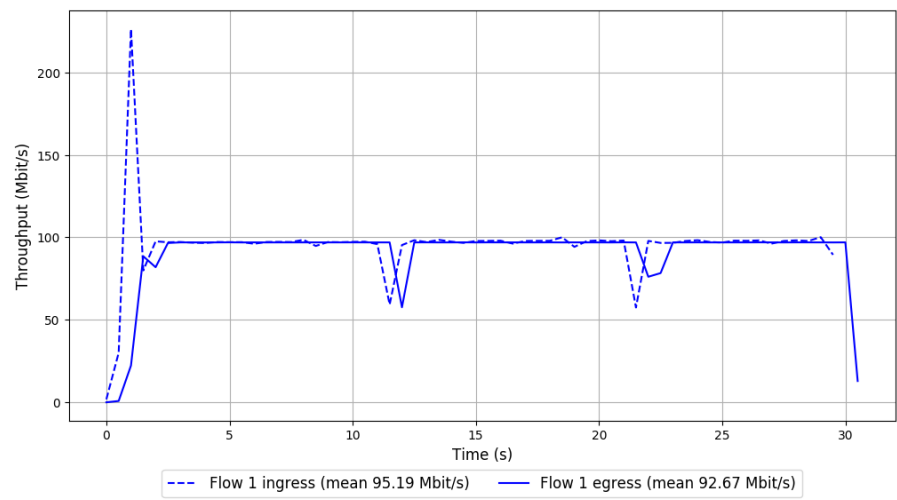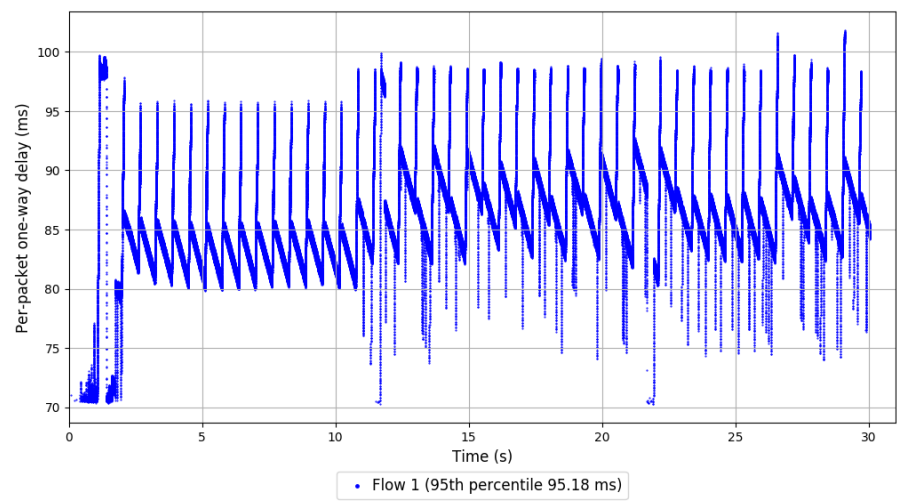
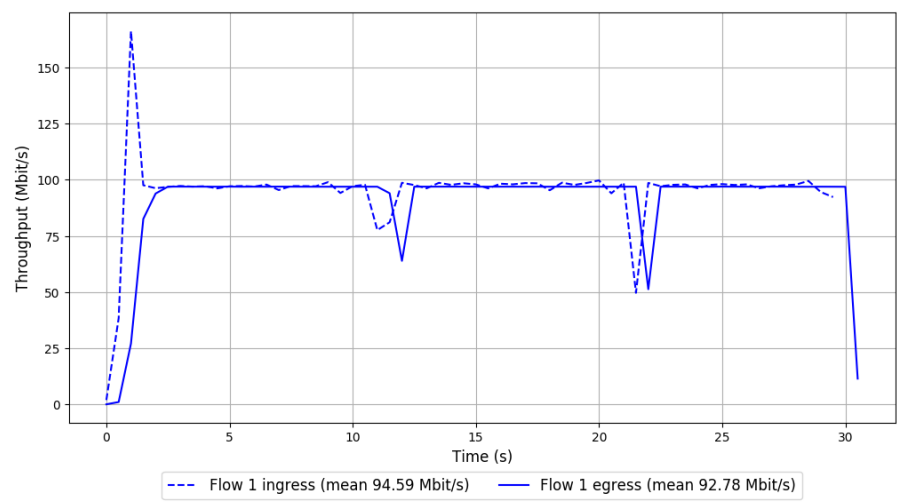Run 1: Report of FillP-Sheep — Data Link

```
Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 00:25:17
End at: 2018-08-01 00:25:47
Local clock offset: -1.388 ms
Remote clock offset: 13.739 ms


# Below is generated by plot.py at 2018-08-01 03:30:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 95.176 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 95.176 ms
Loss rate: 1.88%
```

Run 2: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 94.59 Mbit/s)   —— Flow 1 egress (mean 92.78 Mbit/s)
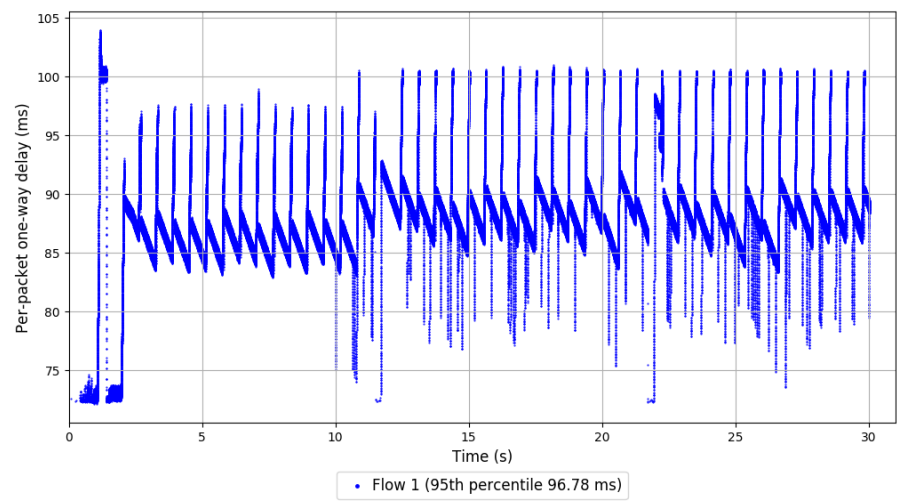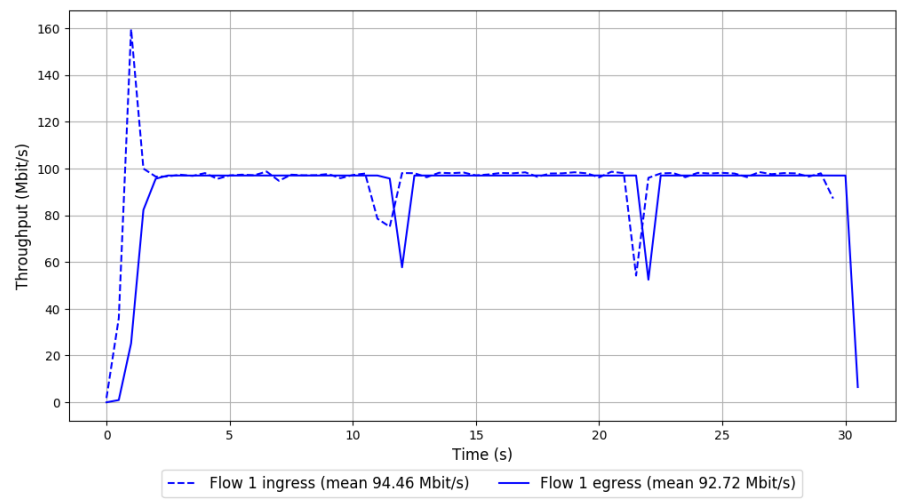

• Flow 1 (95th percentile 95.18 ms)

```
Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 00:45:10
End at: 2018-08-01 00:45:40
Local clock offset: -3.604 ms
Remote clock offset: 18.764 ms


# Below is generated by plot.py at 2018-08-01 03:30:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 96.779 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 96.779 ms
Loss rate: 1.79%
```
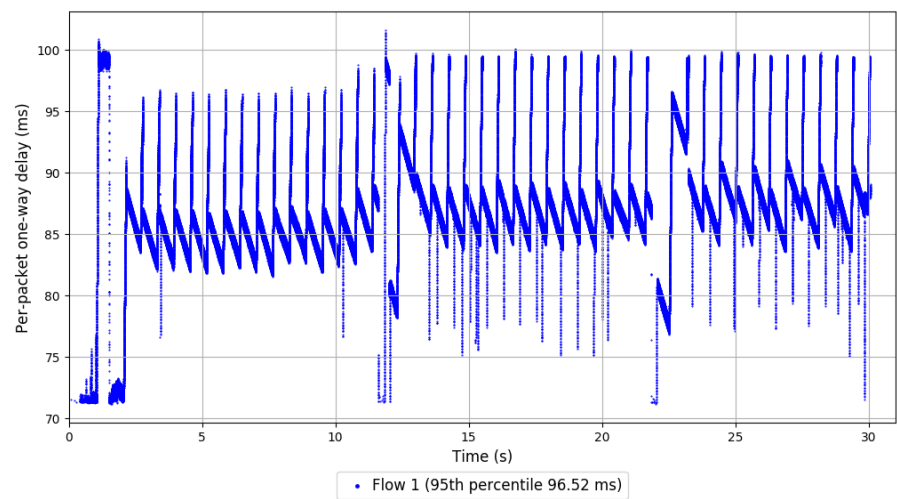
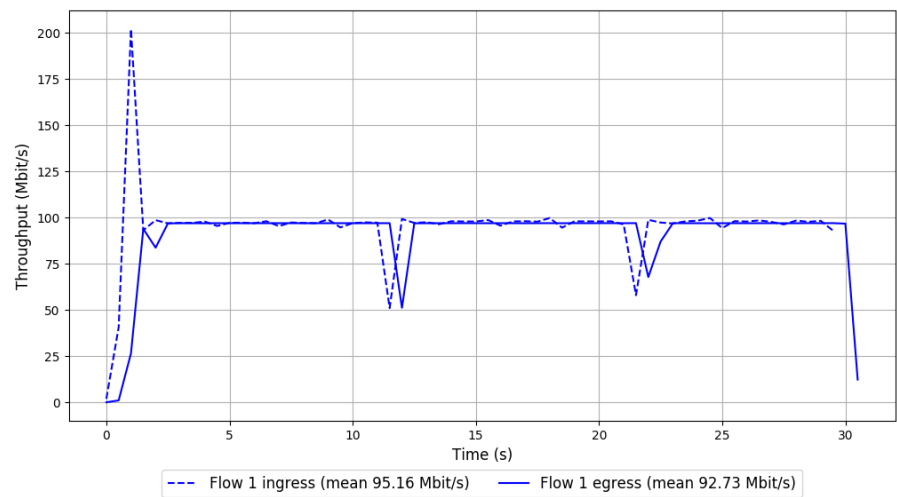Run 3: Report of FillP-Sheep — Data Link

```
Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 01:05:06
End at: 2018-08-01 01:05:36
Local clock offset: -4.051 ms
Remote clock offset: 21.253 ms


# Below is generated by plot.py at 2018-08-01 03:30:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 96.521 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 96.521 ms
Loss rate: 2.49%
```

Run 4: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 95.16 Mbit/s)   Flow 1 egress (mean 92.73 Mbit/s)

Flow 1 (95th percentile 96.52 ms)

```
Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 01:25:02
End at: 2018-08-01 01:25:32
Local clock offset: -3.857 ms
Remote clock offset: 8.825 ms

# Below is generated by plot.py at 2018-08-01 03:30:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 110.791 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 110.791 ms
Loss rate: 2.09%
```
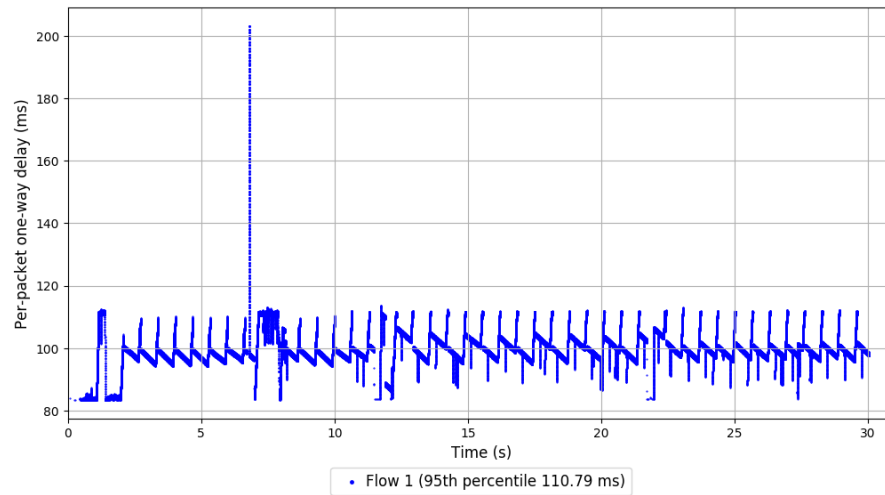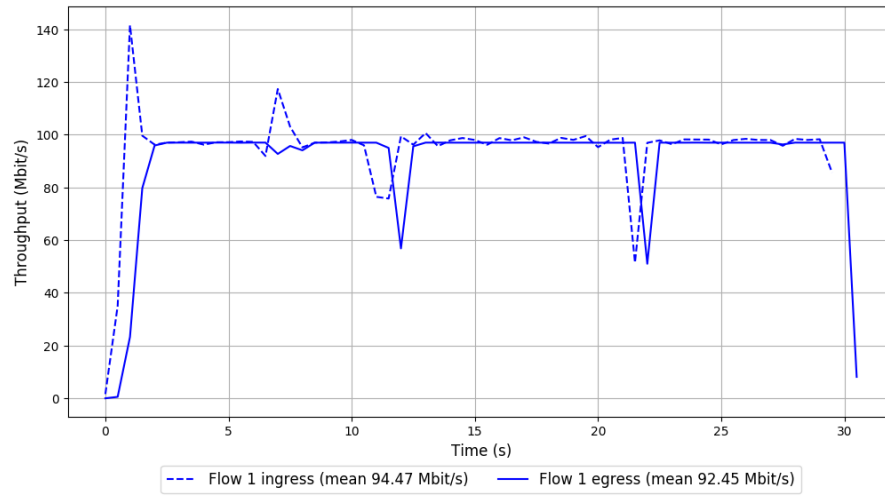
Run 5: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 94.47 Mbit/s)　　Flow 1 egress (mean 92.45 Mbit/s)

Flow 1 (95th percentile 110.79 ms)

```
Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 01:44:54
End at: 2018-08-01 01:45:24
Local clock offset: -4.188 ms
Remote clock offset: 1.248 ms


# Below is generated by plot.py at 2018-08-01 03:30:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 96.437 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 96.437 ms
Loss rate: 2.52%
```
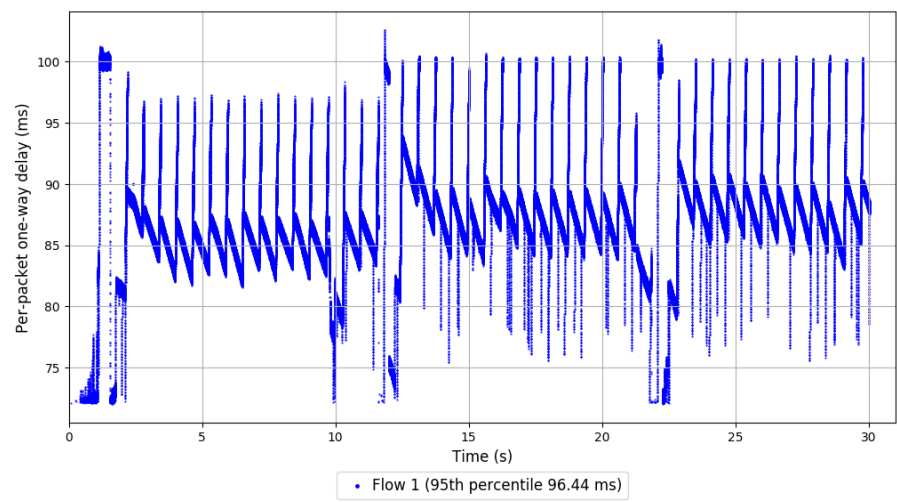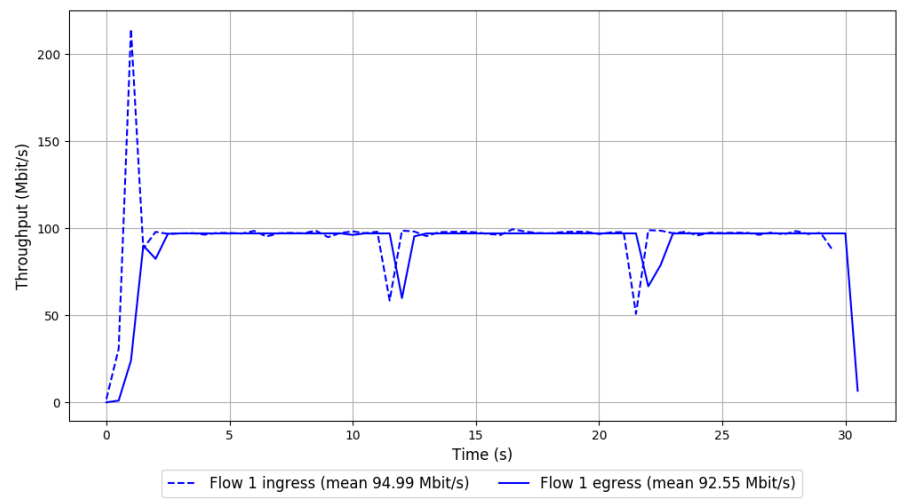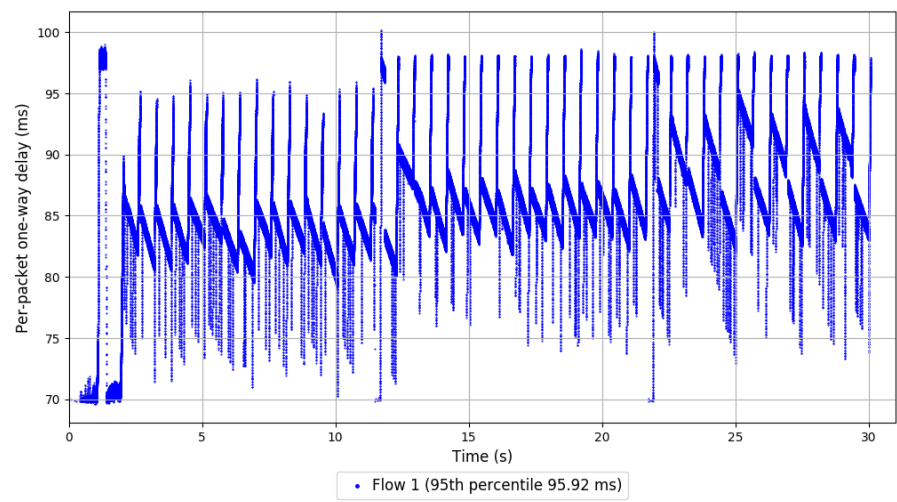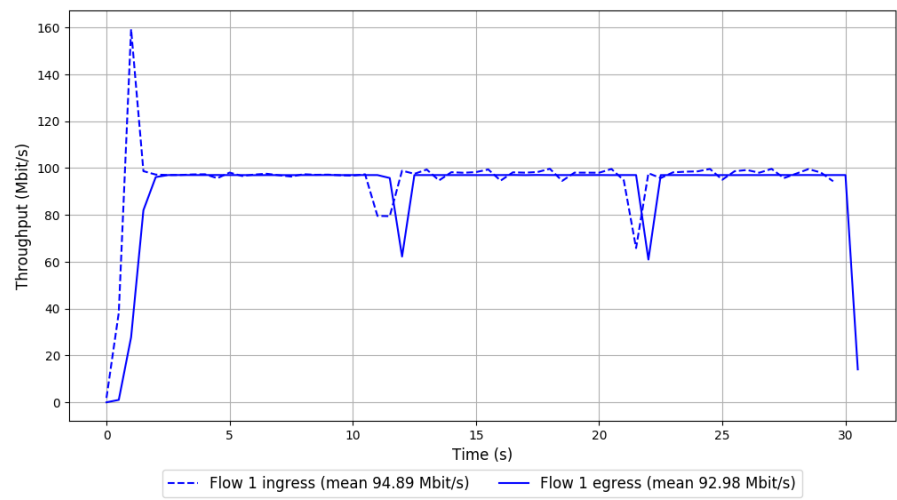
Run 6: Report of FillP-Sheep — Data Link

```
Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 02:04:53
End at: 2018-08-01 02:05:23
Local clock offset: -5.839 ms
Remote clock offset: 0.828 ms


# Below is generated by plot.py at 2018-08-01 03:31:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 95.915 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 95.915 ms
Loss rate: 1.92%
```

Run 7: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 94.89 Mbit/s) --- Flow 1 egress (mean 92.98 Mbit/s)

Flow 1 (95th percentile 95.92 ms)

```
Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 02:24:45
End at: 2018-08-01 02:25:15
Local clock offset: -5.17 ms
Remote clock offset: 6.327 ms


# Below is generated by plot.py at 2018-08-01 03:31:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 105.604 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 105.604 ms
Loss rate: 3.22%
```
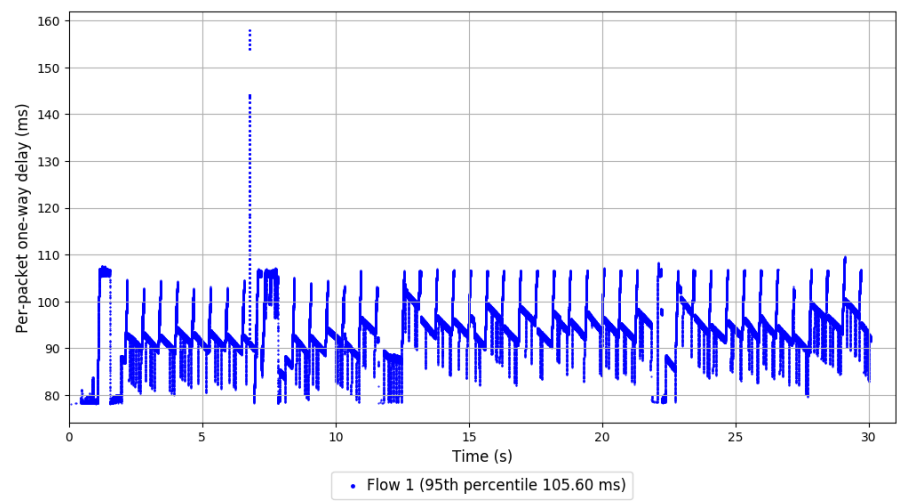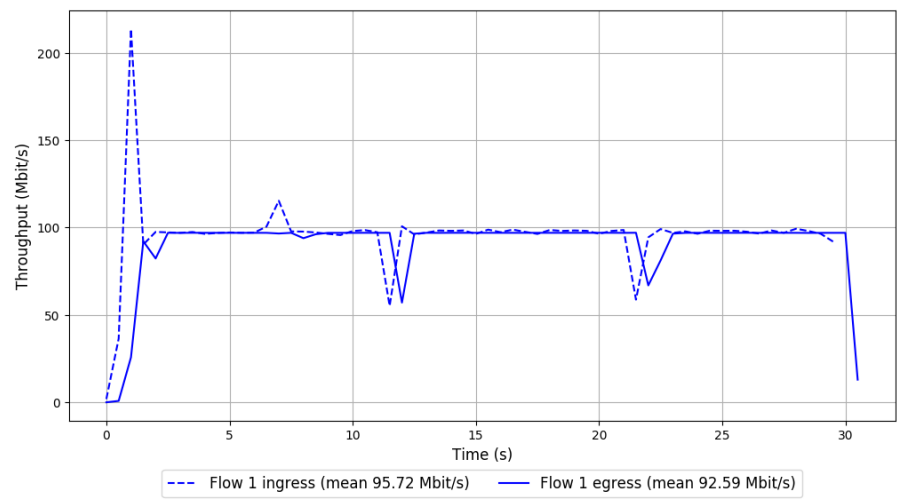
Run 8: Report of FillP-Sheep — Data Link

```
Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 02:44:39
End at: 2018-08-01 02:45:09
Local clock offset: -0.238 ms
Remote clock offset: 7.753 ms


# Below is generated by plot.py at 2018-08-01 03:31:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 104.493 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 104.493 ms
Loss rate: 2.05%
```
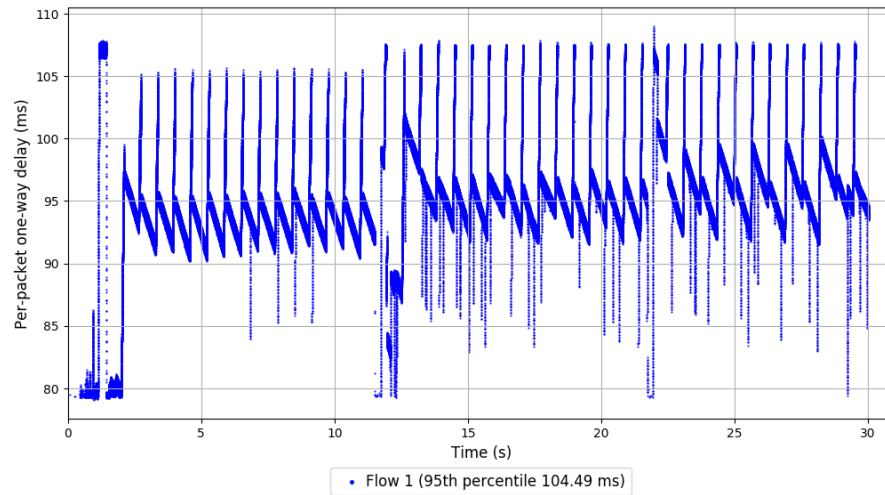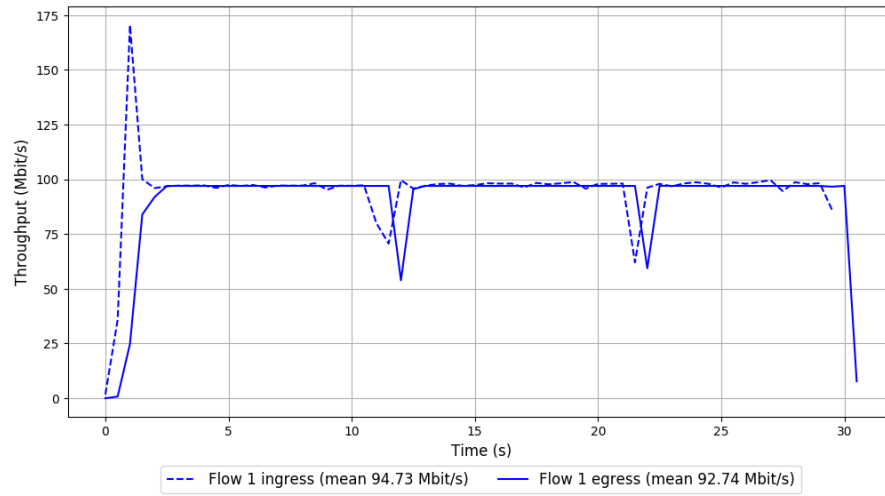
Run 9: Report of FillP-Sheep — Data Link

```
Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 03:04:35
End at: 2018-08-01 03:05:05
Local clock offset: 1.396 ms
Remote clock offset: 4.488 ms


# Below is generated by plot.py at 2018-08-01 03:31:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 91.751 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 91.751 ms
Loss rate: 1.53%
```
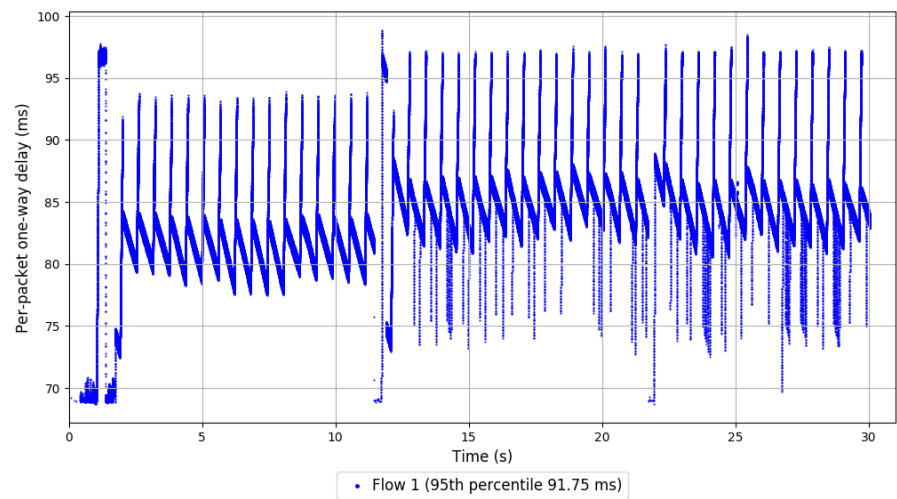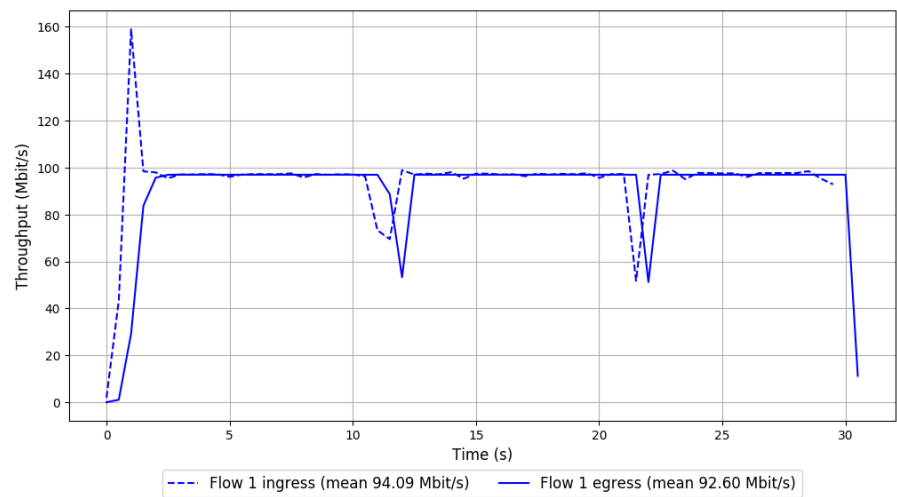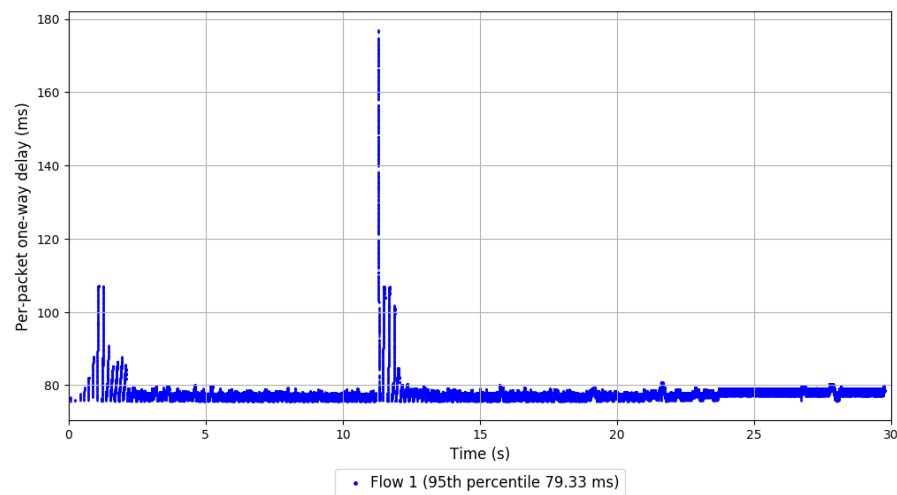
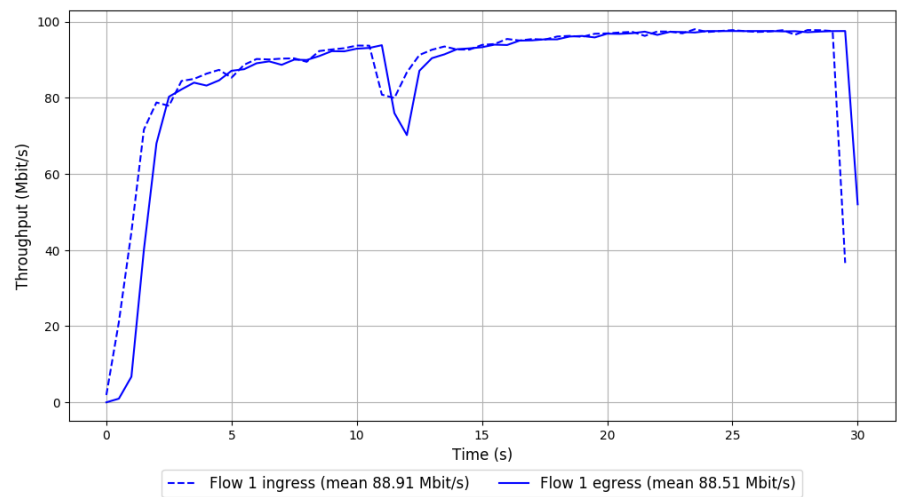Run 10: Report of FillP-Sheep — Data Link

```
Run 1: Statistics of Indigo

Start at: 2018-08-01 00:14:46
End at: 2018-08-01 00:15:16
Local clock offset: -1.122 ms
Remote clock offset: 15.678 ms


# Below is generated by plot.py at 2018-08-01 03:31:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 79.325 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 79.325 ms
Loss rate: 0.45%
```
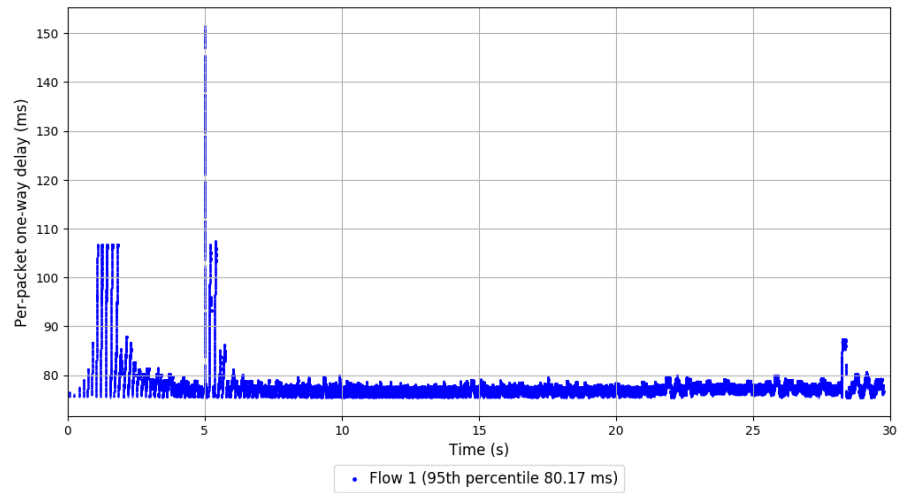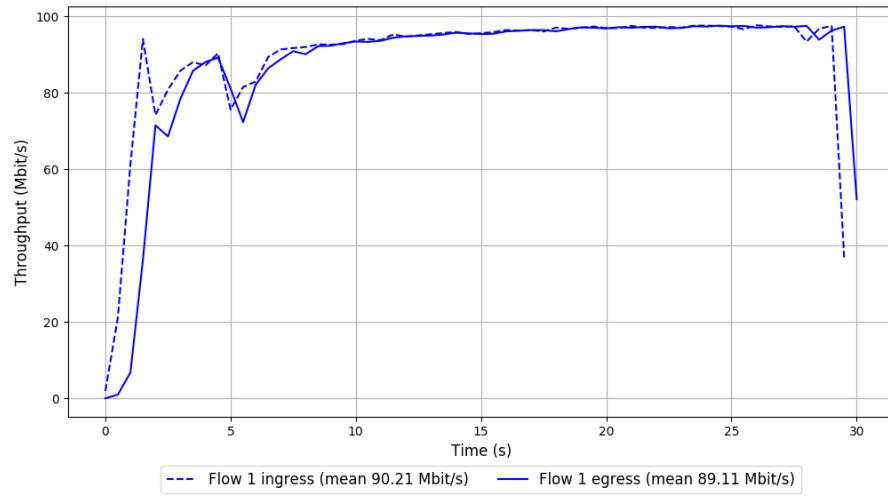
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2018-08-01 00:34:39
End at: 2018-08-01 00:35:09
Local clock offset: -3.444 ms
Remote clock offset: 19.498 ms

# Below is generated by plot.py at 2018-08-01 03:31:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 80.166 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 80.166 ms
Loss rate: 1.22%
```
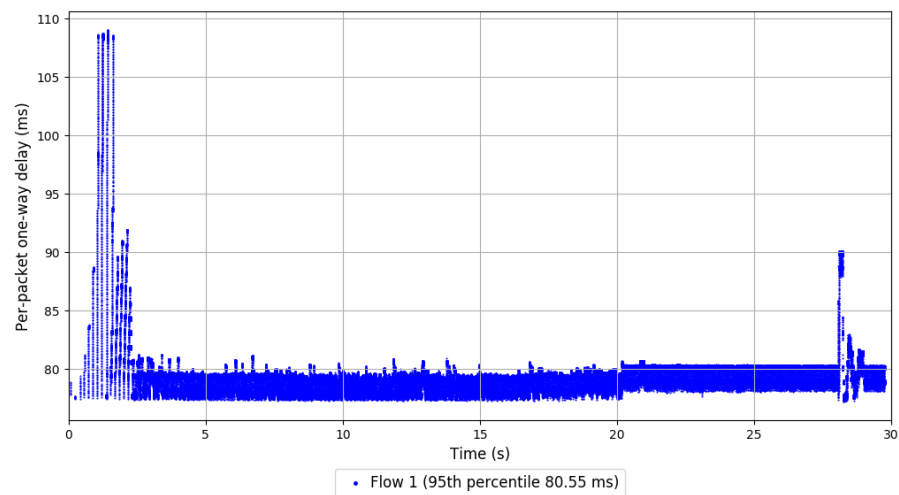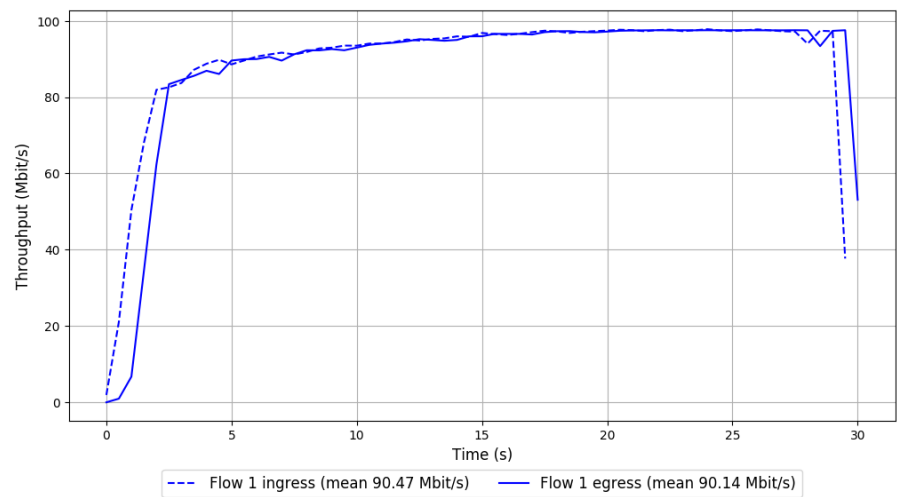
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2018-08-01 00:54:32
End at: 2018-08-01 00:55:02
Local clock offset: -3.544 ms
Remote clock offset: 25.402 ms


# Below is generated by plot.py at 2018-08-01 03:31:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 80.554 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 80.554 ms
Loss rate: 0.37%
```
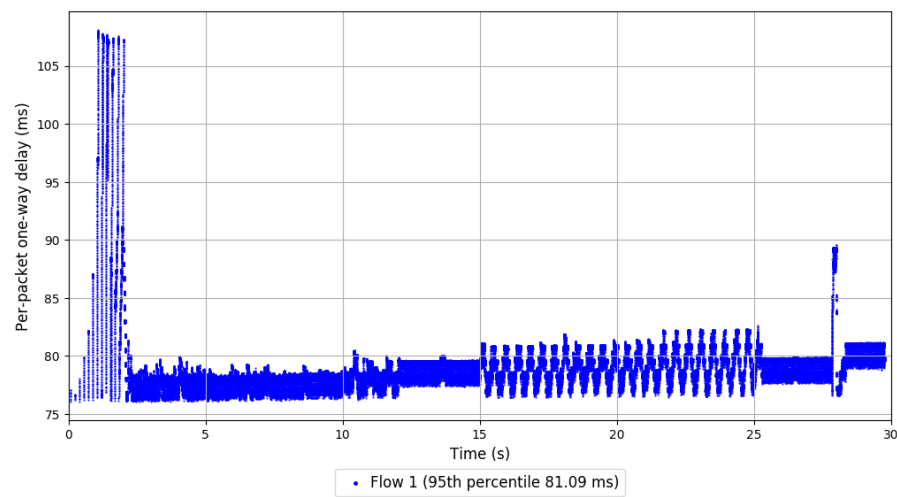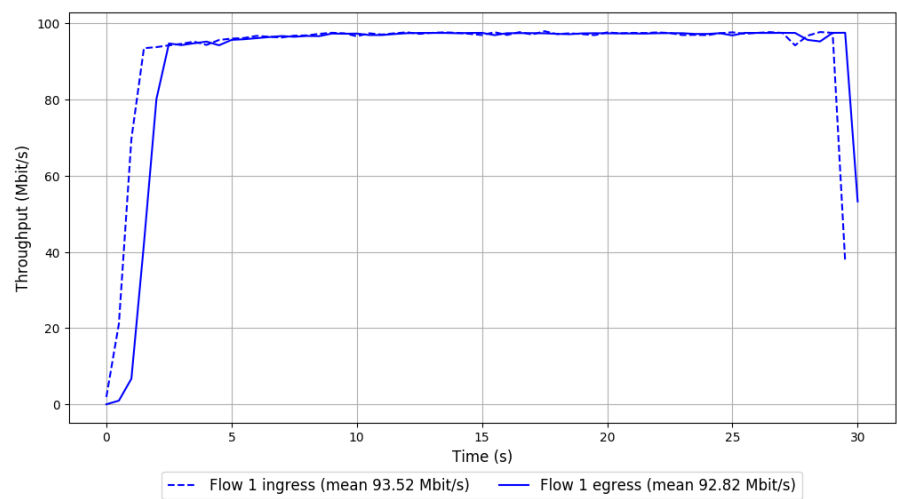
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2018-08-01 01:14:26
End at: 2018-08-01 01:14:56
Local clock offset: -3.906 ms
Remote clock offset: 16.282 ms


# Below is generated by plot.py at 2018-08-01 03:31:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 81.088 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 81.088 ms
Loss rate: 0.73%
```

Run 4: Report of Indigo — Data Link

Flow 1 ingress (mean 93.52 Mbit/s)   Flow 1 egress (mean 92.82 Mbit/s)

Flow 1 (95th percentile 81.09 ms)

```
Run 5: Statistics of Indigo

Start at: 2018-08-01 01:34:23
End at: 2018-08-01 01:34:53
Local clock offset: -4.304 ms
Remote clock offset: 4.854 ms


# Below is generated by plot.py at 2018-08-01 03:32:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 76.063 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 76.063 ms
Loss rate: 0.30%
```
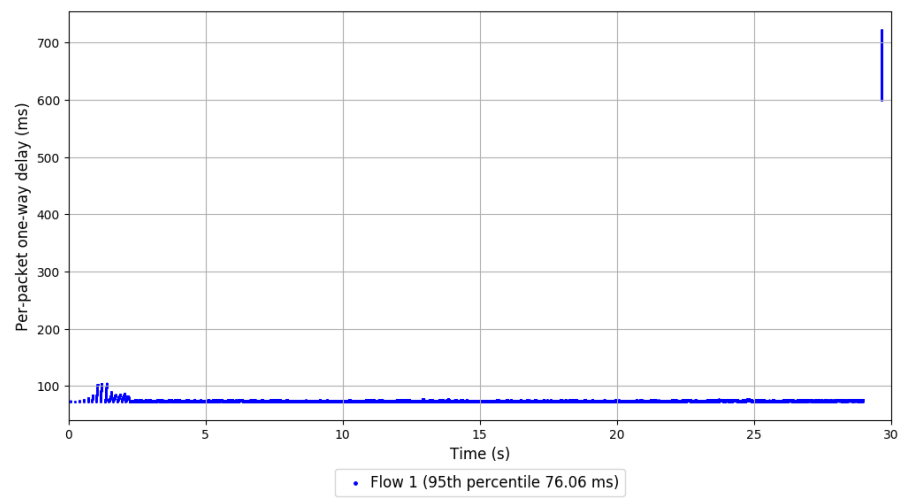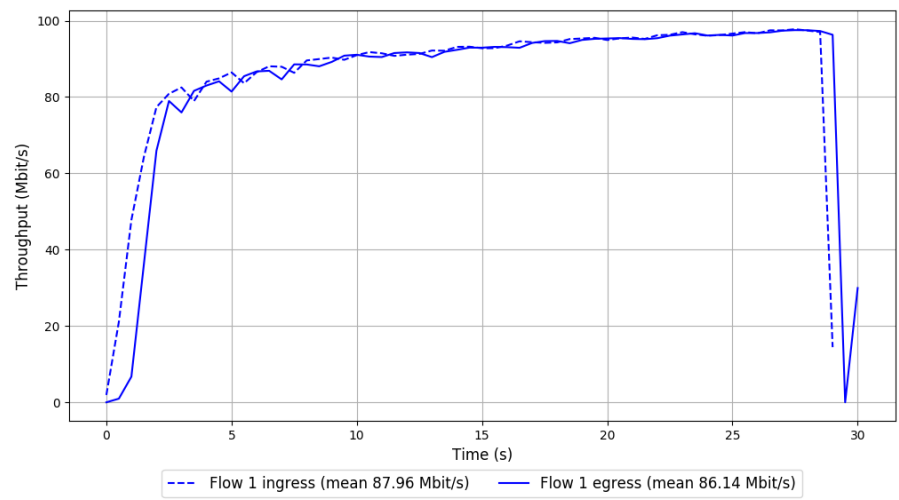
Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2018-08-01 01:54:15
End at: 2018-08-01 01:54:45
Local clock offset: -4.436 ms
Remote clock offset: 2.21 ms


# Below is generated by plot.py at 2018-08-01 03:32:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 79.336 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 79.336 ms
Loss rate: 0.37%
```
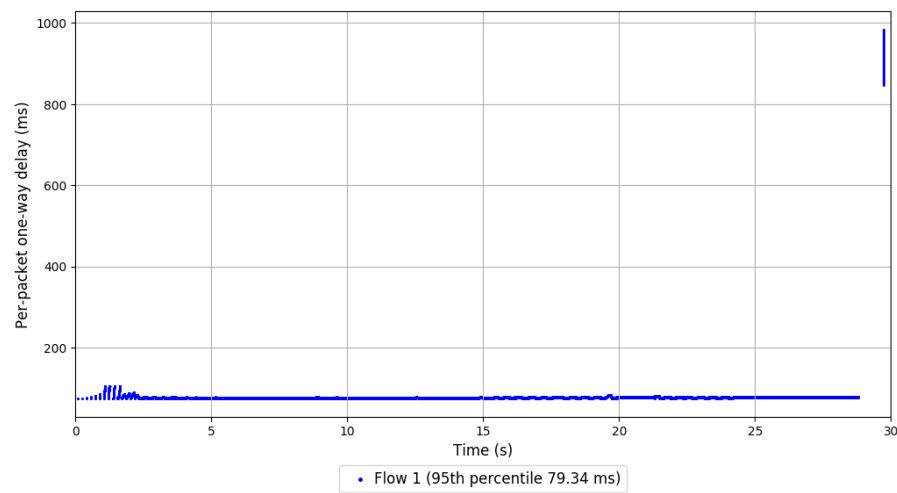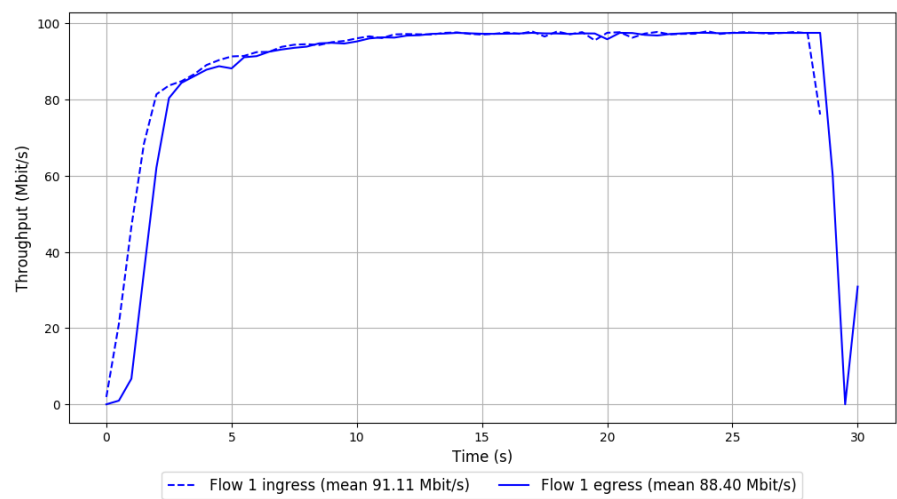
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2018-08-01 02:14:13
End at: 2018-08-01 02:14:43
Local clock offset: -6.182 ms
Remote clock offset: 4.994 ms


# Below is generated by plot.py at 2018-08-01 03:32:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 79.576 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 79.576 ms
Loss rate: 0.39%
```
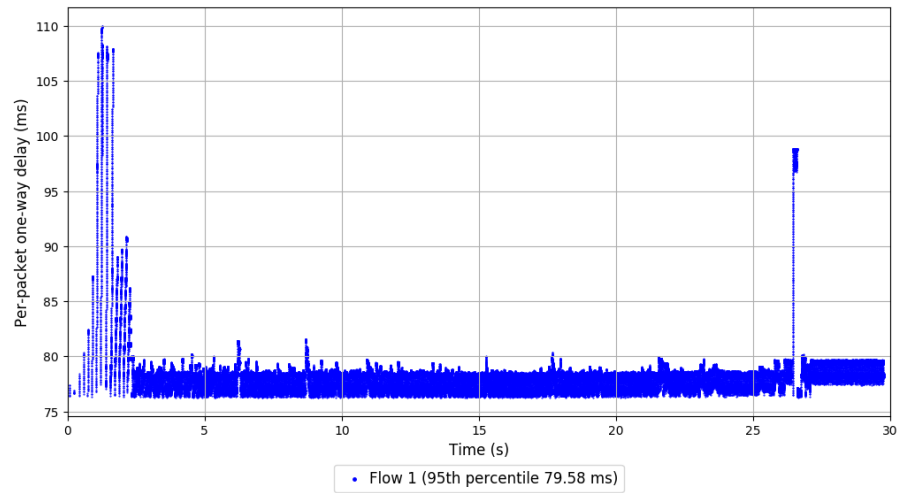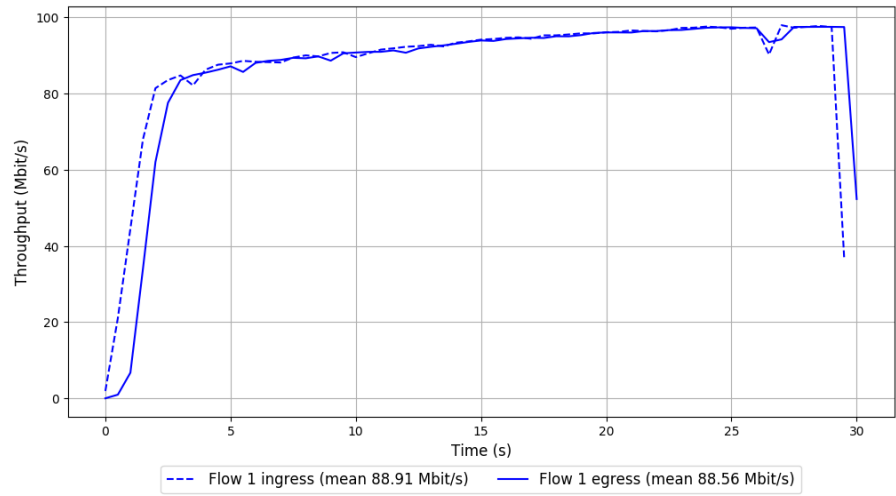
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-08-01 02:34:07
End at: 2018-08-01 02:34:37
Local clock offset: -1.92 ms
Remote clock offset: 3.067 ms


# Below is generated by plot.py at 2018-08-01 03:32:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 77.662 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 77.662 ms
Loss rate: 0.67%
```
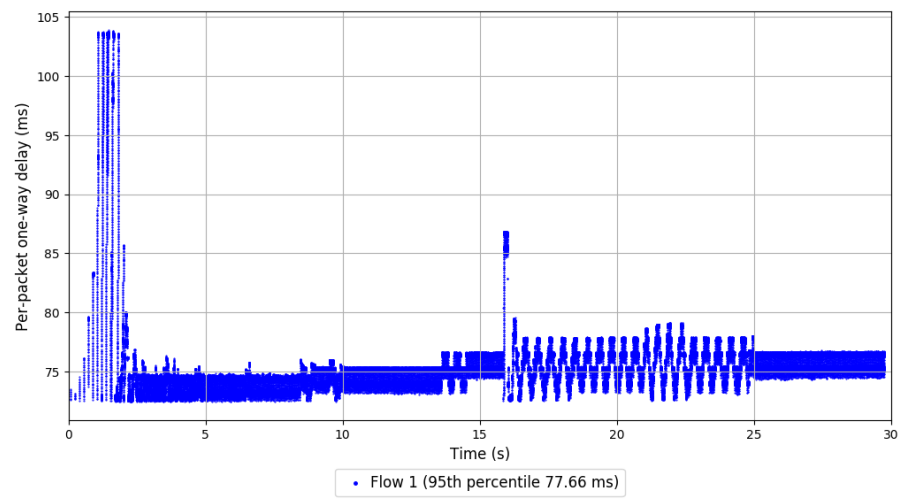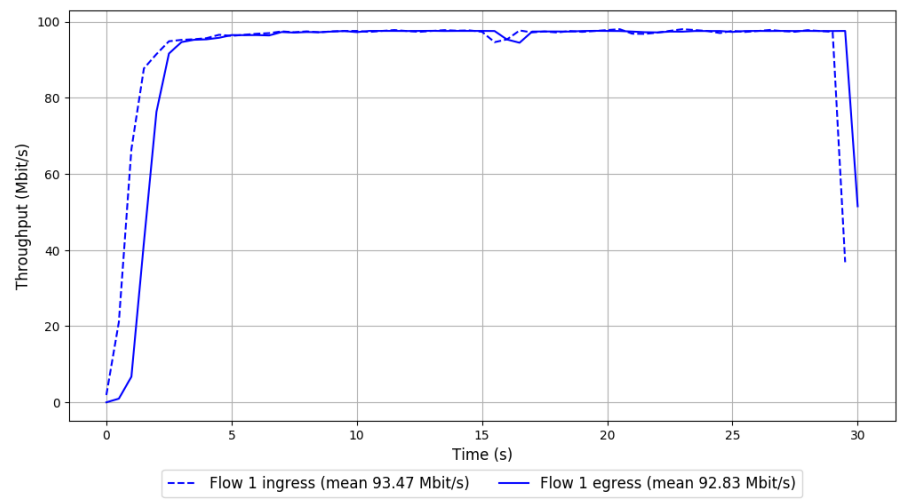
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2018-08-01 02:54:04
End at: 2018-08-01 02:54:34
Local clock offset: 0.659 ms
Remote clock offset: 2.838 ms


# Below is generated by plot.py at 2018-08-01 03:32:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: 72.686 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: 72.686 ms
Loss rate: 0.14%
```
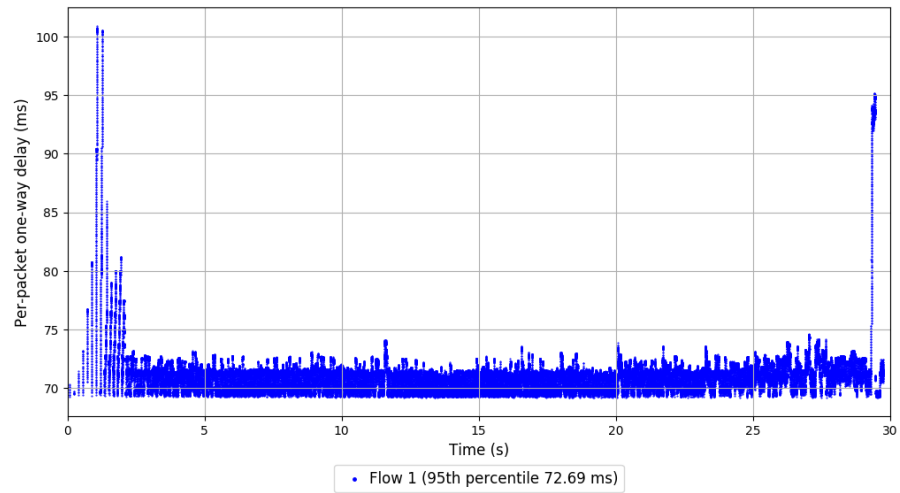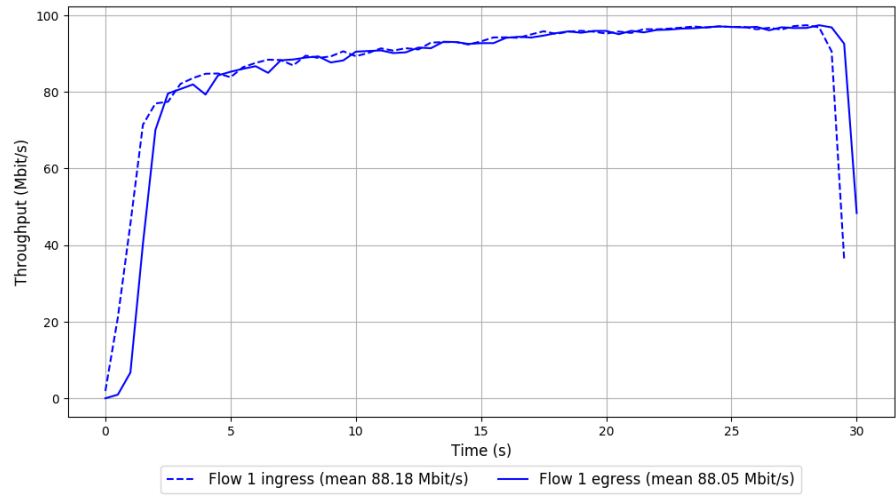
Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2018-08-01 03:13:59
End at: 2018-08-01 03:14:29
Local clock offset: 2.146 ms
Remote clock offset: 6.214 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 78.521 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 78.521 ms
Loss rate: 0.37%
```
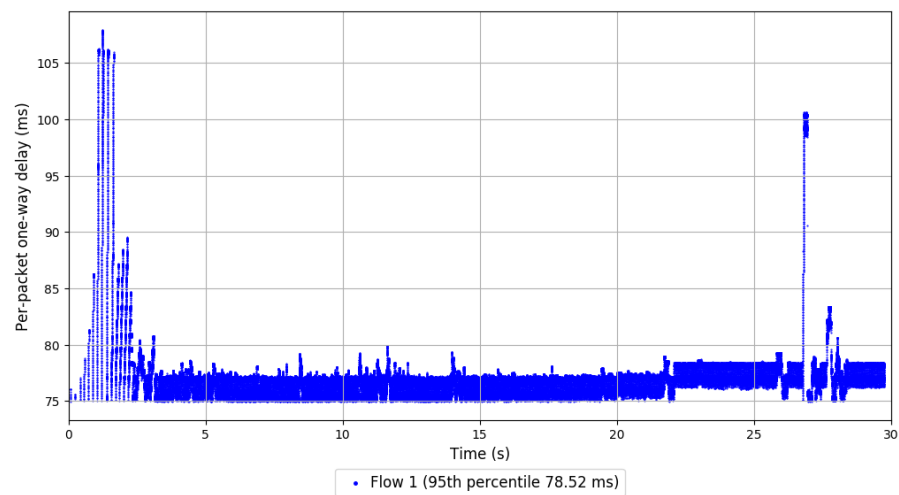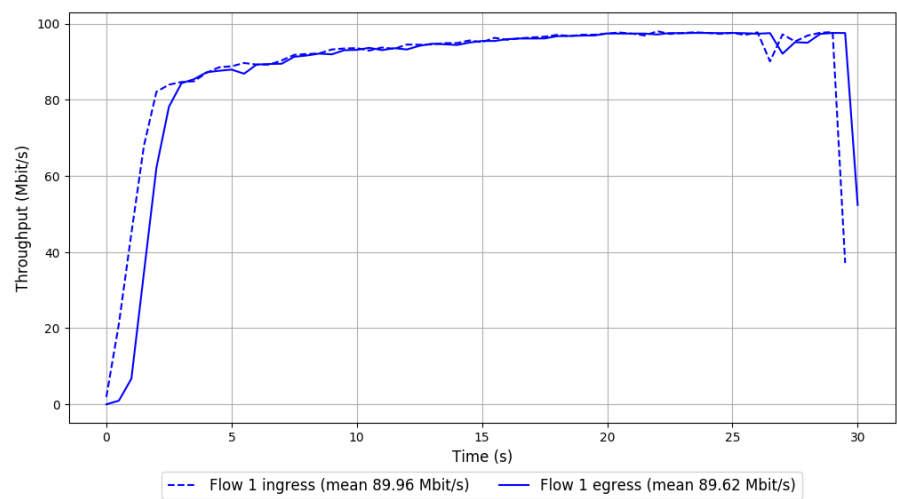
Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 89.96 Mbit/s) ---- Flow 1 egress (mean 89.62 Mbit/s)
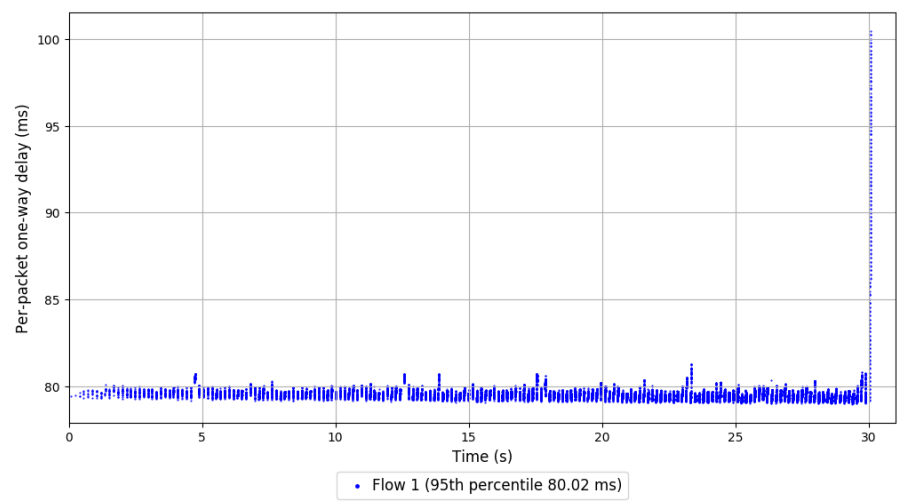

Flow 1 (95th percentile 78.52 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 00:08:52
End at: 2018-08-01 00:09:22
Local clock offset: -1.511 ms
Remote clock offset: 12.813 ms

# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.98 Mbit/s
95th percentile per-packet one-way delay: 80.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.98 Mbit/s
95th percentile per-packet one-way delay: 80.015 ms
Loss rate: 0.00%
```
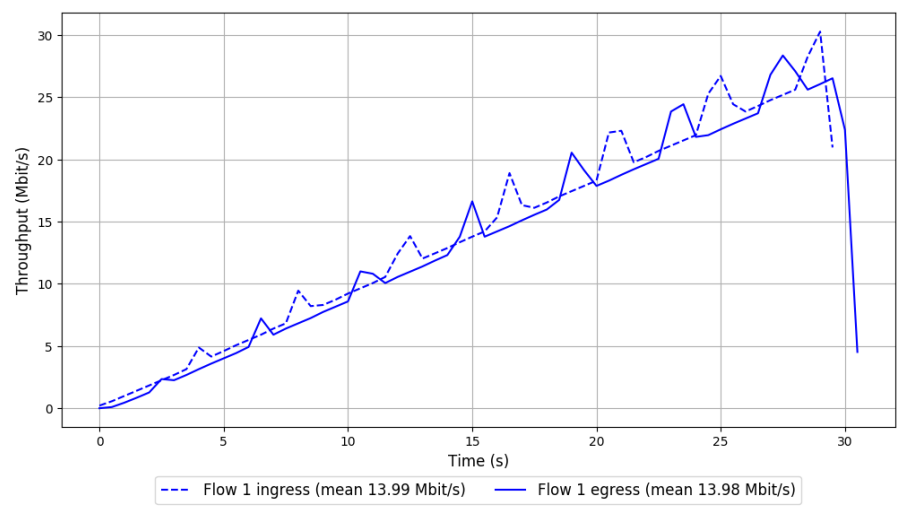
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2018-08-01 00:28:45
End at: 2018-08-01 00:29:15
Local clock offset: -2.485 ms
Remote clock offset: 14.49 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 73.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 73.993 ms
Loss rate: 0.00%
```
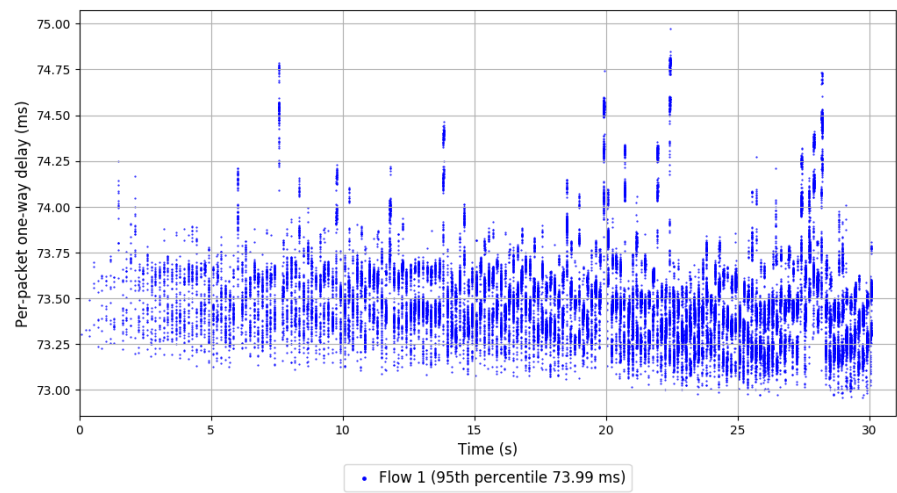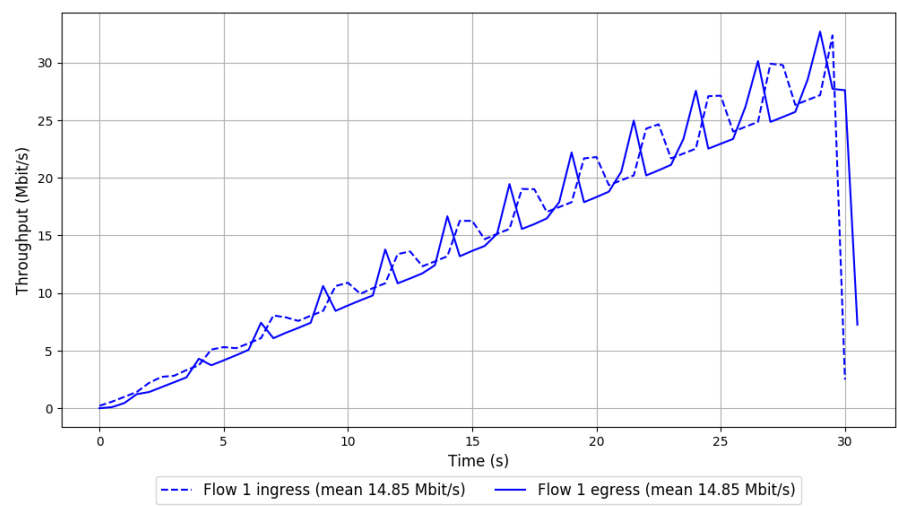
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2018-08-01 00:48:37
End at: 2018-08-01 00:49:07
Local clock offset: -3.475 ms
Remote clock offset: 19.455 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.03 Mbit/s
95th percentile per-packet one-way delay: 73.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.03 Mbit/s
95th percentile per-packet one-way delay: 73.485 ms
Loss rate: 0.00%
```
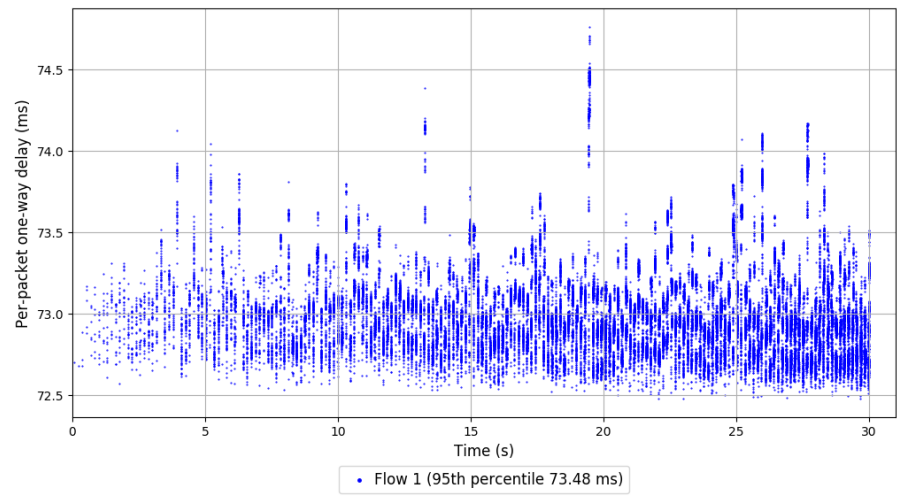
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 15.03 Mbit/s)   Flow 1 egress (mean 15.03 Mbit/s)
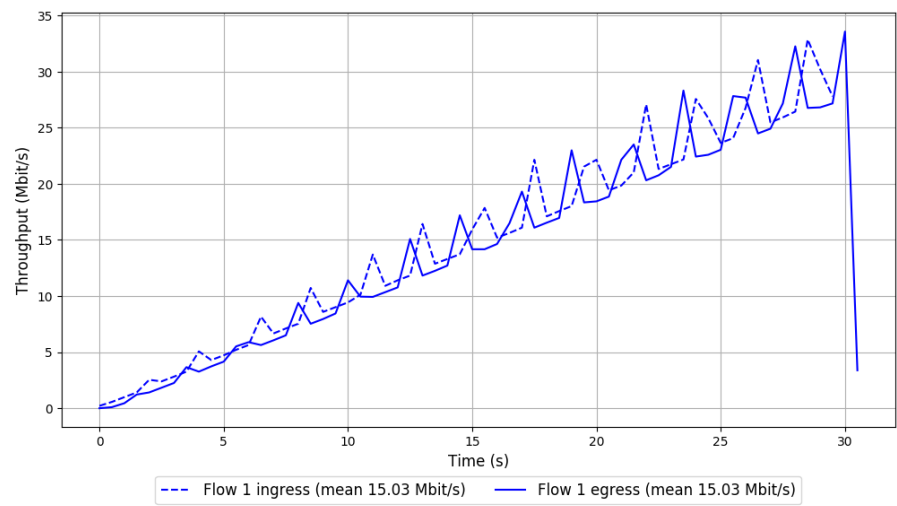

Flow 1 (95th percentile 73.48 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-08-01 01:08:33
End at: 2018-08-01 01:09:03
Local clock offset: -4.065 ms
Remote clock offset: 22.247 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 80.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 80.198 ms
Loss rate: 0.00%
```
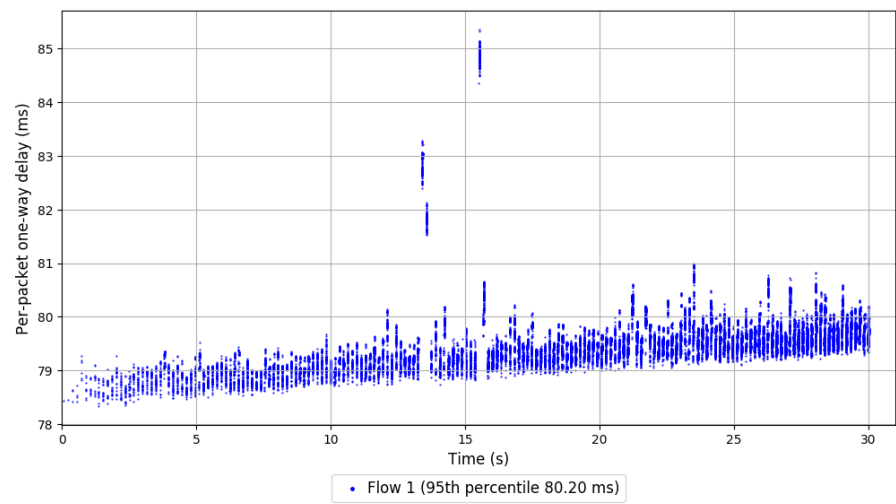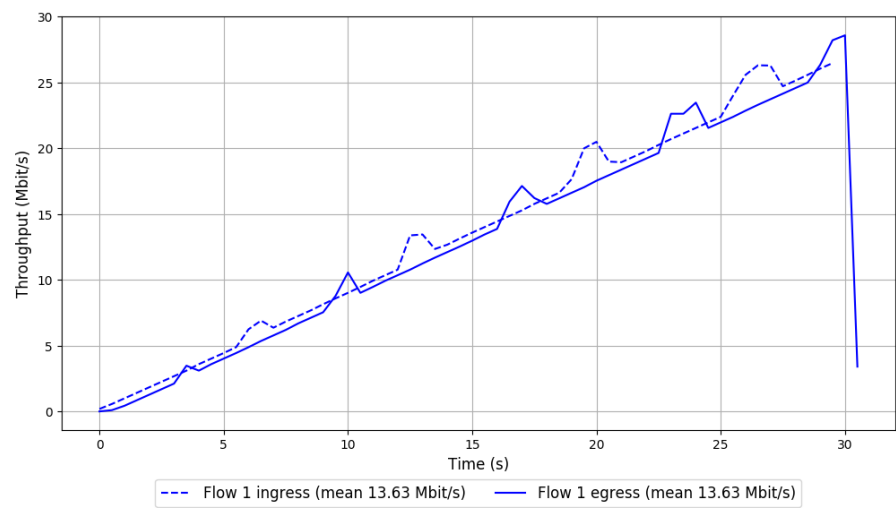
Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2018-08-01 01:28:30
End at: 2018-08-01 01:29:00
Local clock offset: -4.088 ms
Remote clock offset: 8.722 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 77.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 77.150 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 14.84 Mbit/s)   Flow 1 egress (mean 14.84 Mbit/s)

Flow 1 (95th percentile 77.15 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-08-01 01:48:20
End at: 2018-08-01 01:48:50
Local clock offset: -4.092 ms
Remote clock offset: 1.95 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.70 Mbit/s
95th percentile per-packet one-way delay: 74.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.70 Mbit/s
95th percentile per-packet one-way delay: 74.105 ms
Loss rate: 0.00%
```
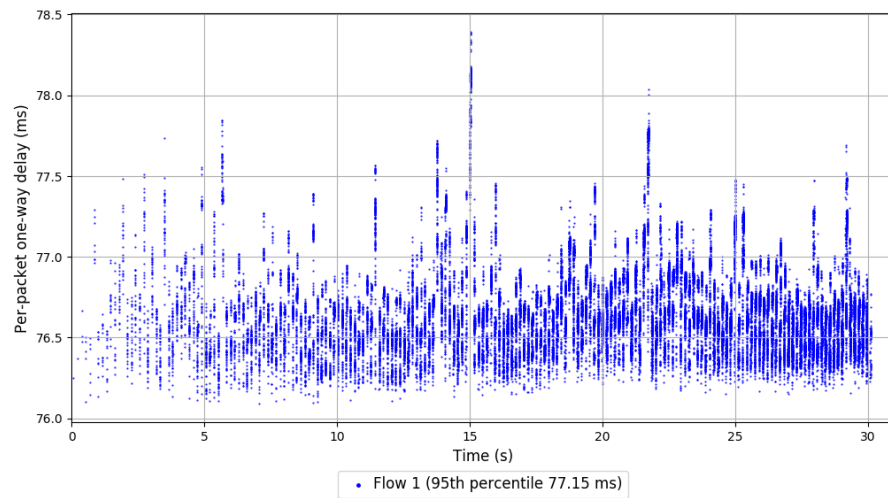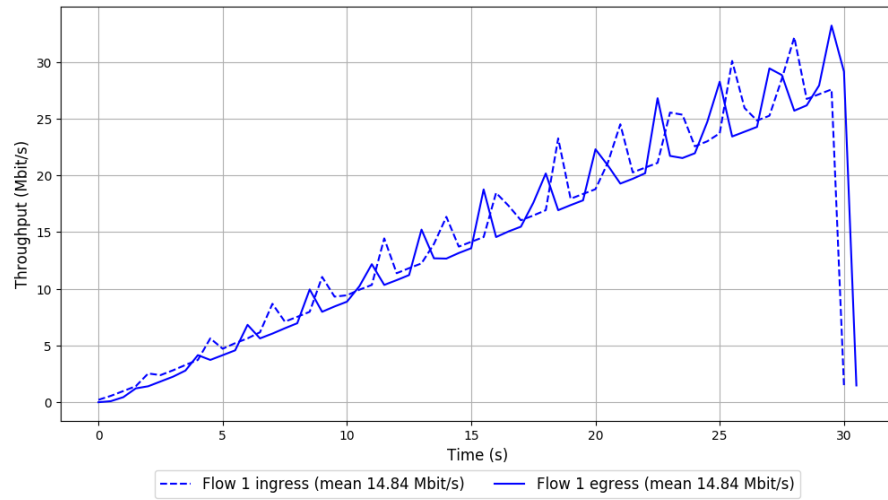
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2018-08-01 02:08:20
End at: 2018-08-01 02:08:50
Local clock offset: -5.998 ms
Remote clock offset: 5.478 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 81.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 81.985 ms
Loss rate: 0.00%
```
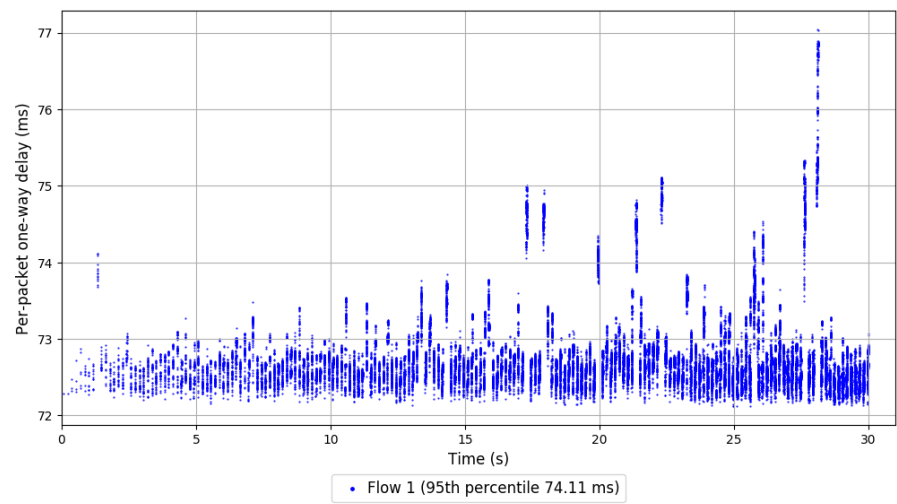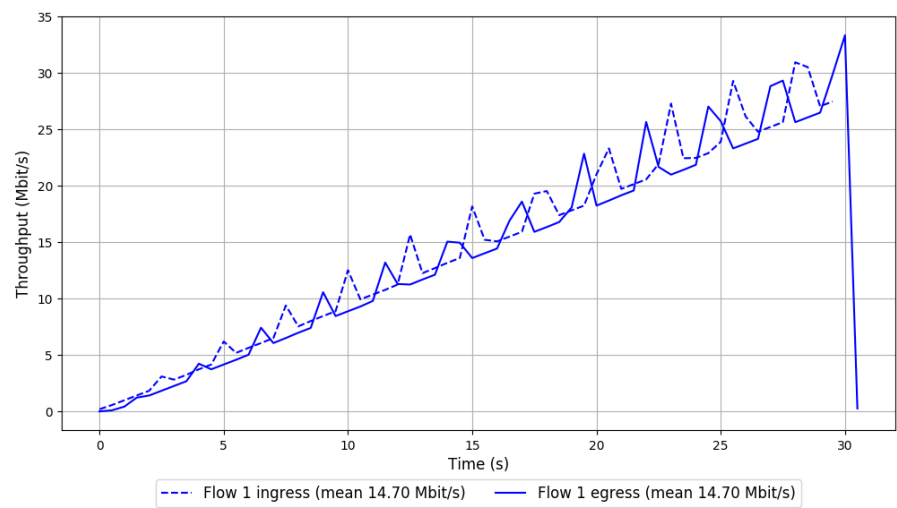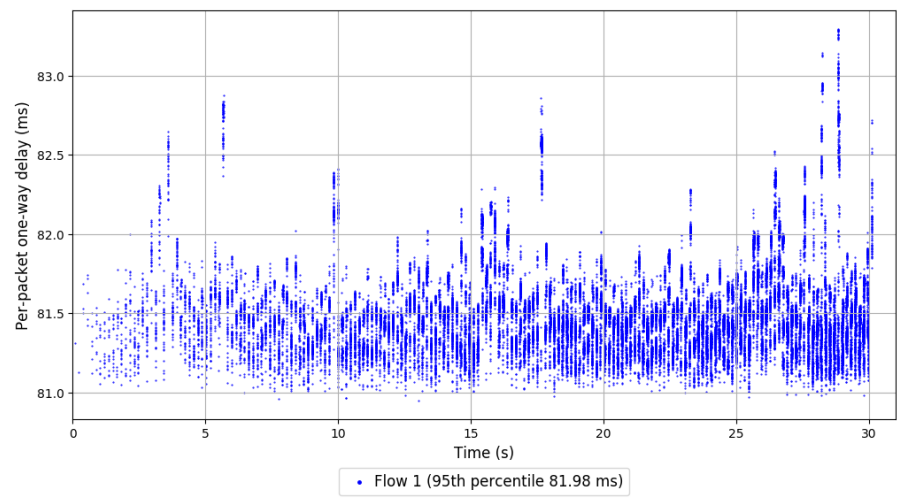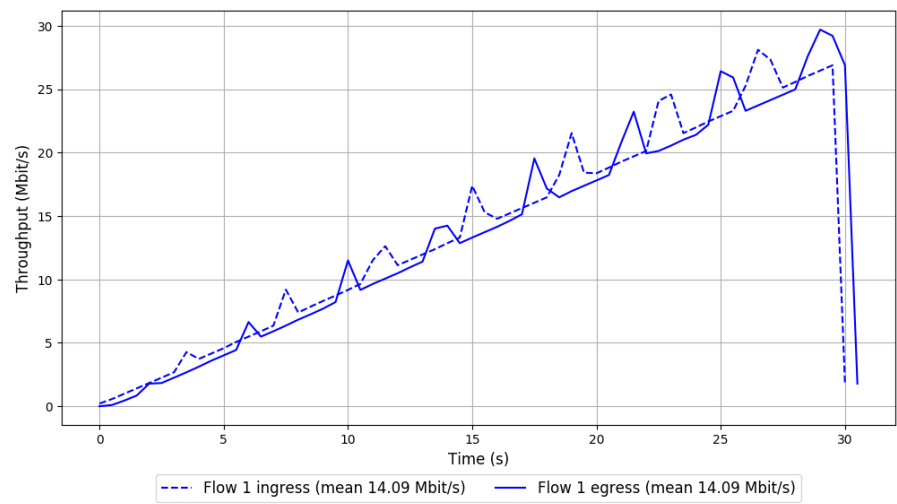
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 14.09 Mbit/s) ---- Flow 1 egress (mean 14.09 Mbit/s) ——

• Flow 1 (95th percentile 81.98 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-08-01 02:28:12
End at: 2018-08-01 02:28:42
Local clock offset: -3.589 ms
Remote clock offset: 2.701 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 72.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 72.843 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 15.27 Mbit/s) Flow 1 egress (mean 15.26 Mbit/s)

Flow 1 (95th percentile 72.84 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-08-01 02:48:07
End at: 2018-08-01 02:48:37
Local clock offset: 0.151 ms
Remote clock offset: 2.737 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 73.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 73.879 ms
Loss rate: 0.00%
```
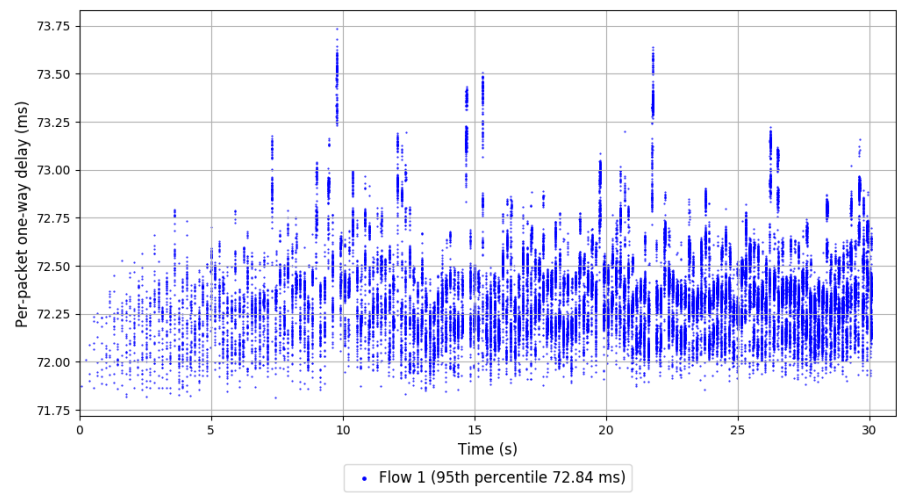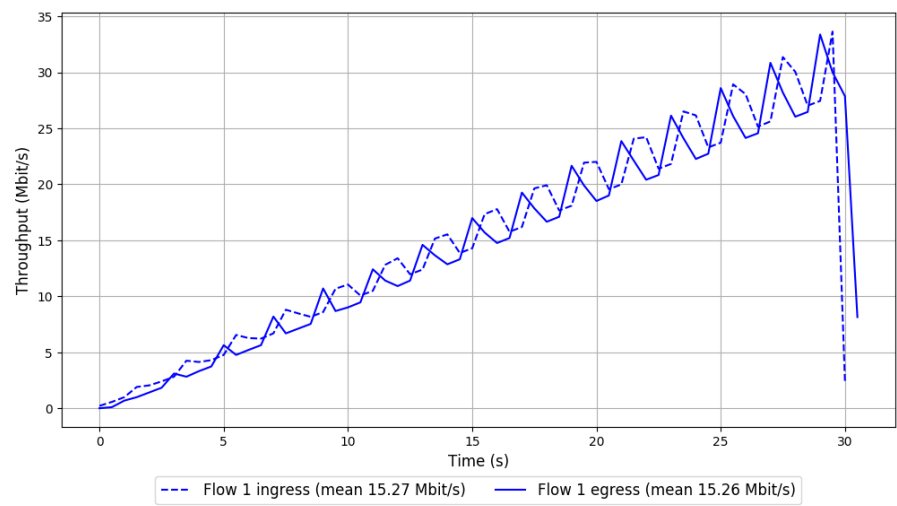
Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2018-08-01 03:08:02
End at: 2018-08-01 03:08:32
Local clock offset: 1.742 ms
Remote clock offset: 10.866 ms


# Below is generated by plot.py at 2018-08-01 03:32:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.99 Mbit/s
95th percentile per-packet one-way delay: 76.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.99 Mbit/s
95th percentile per-packet one-way delay: 76.598 ms
Loss rate: 0.00%
```
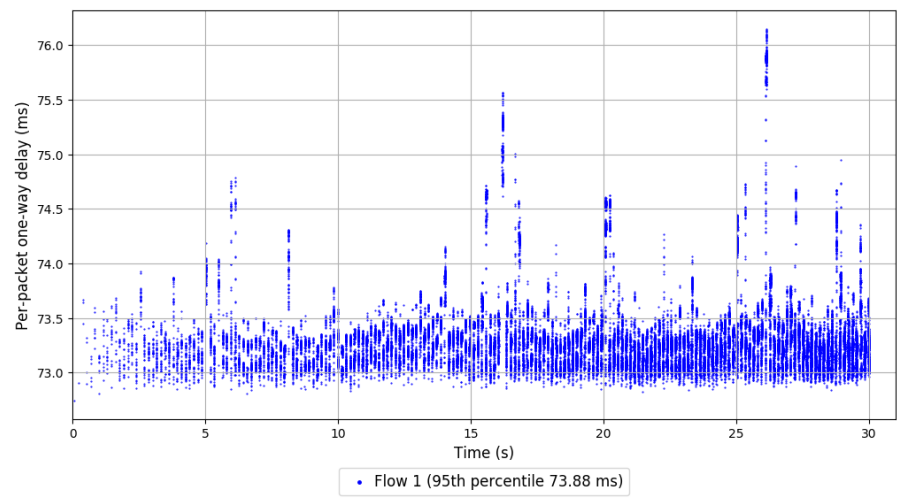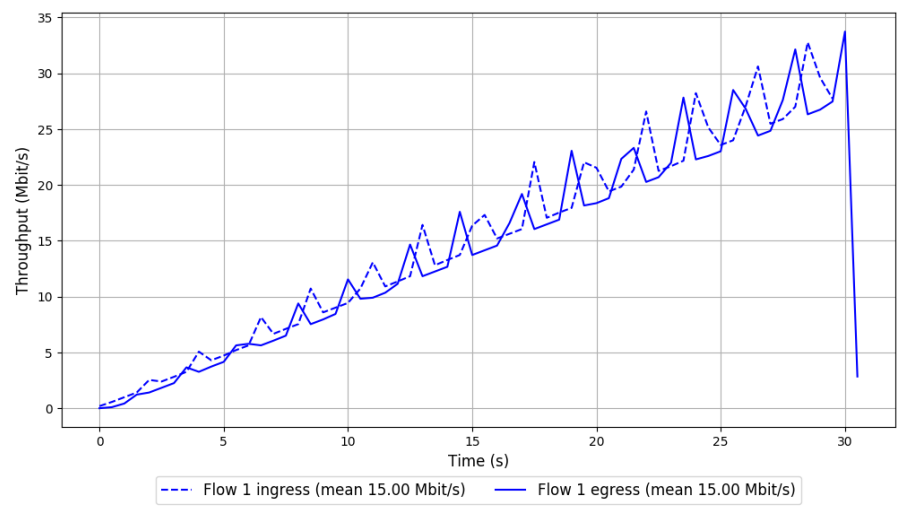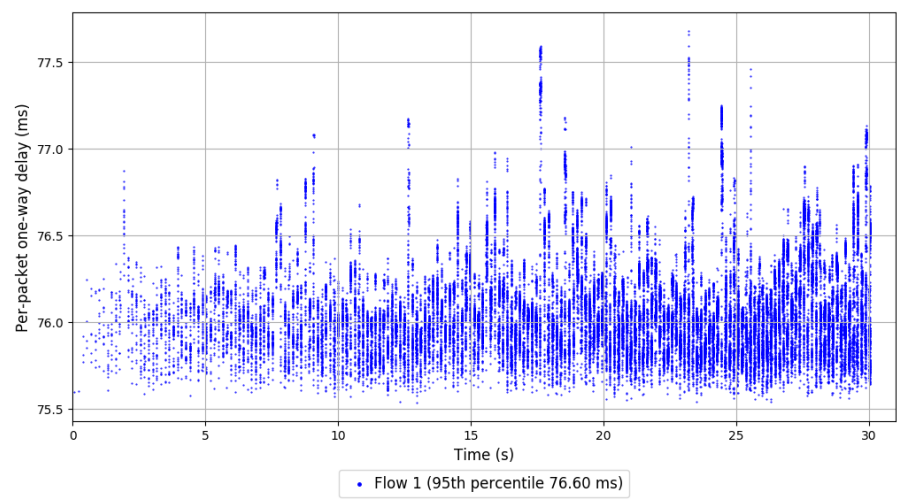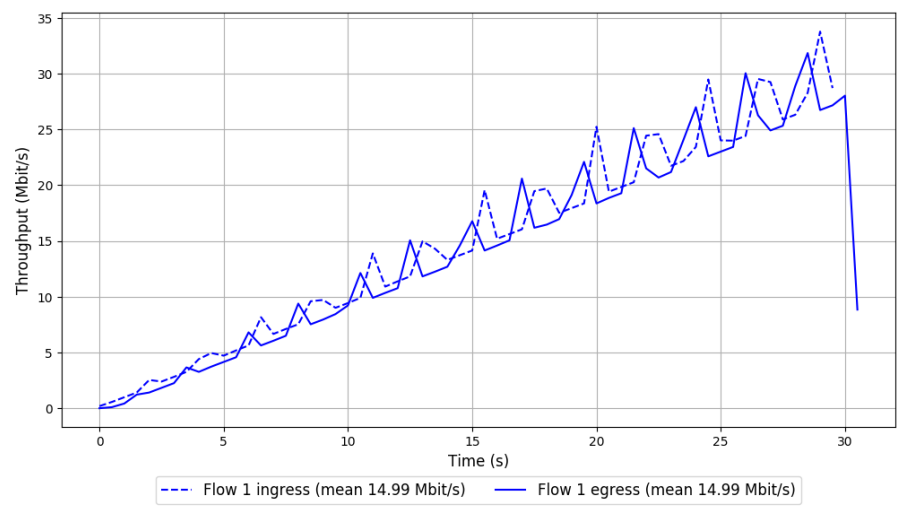
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 00:12:27
End at: 2018-08-01 00:12:57
Local clock offset: -1.359 ms
Remote clock offset: 9.869 ms


# Below is generated by plot.py at 2018-08-01 03:33:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 82.561 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 82.561 ms
Loss rate: 1.32%
```

Run 1: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 88.04 Mbit/s) Flow 1 egress (mean 86.88 Mbit/s)
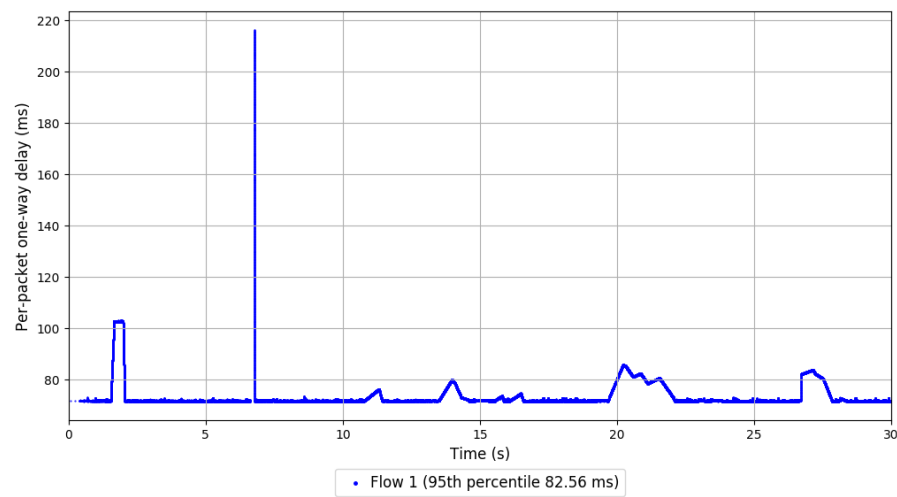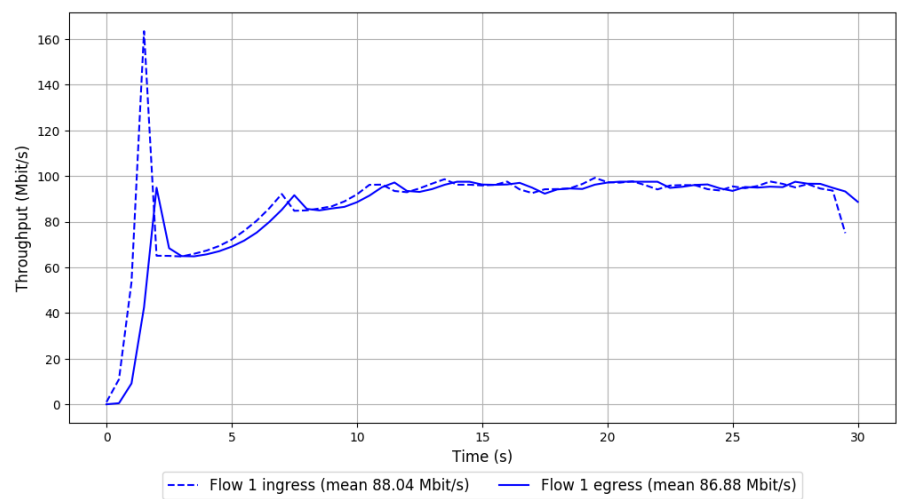

Flow 1 (95th percentile 82.56 ms)

```
Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 00:32:20
End at: 2018-08-01 00:32:50
Local clock offset: -3.142 ms
Remote clock offset: 16.368 ms


# Below is generated by plot.py at 2018-08-01 03:33:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 88.213 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 88.213 ms
Loss rate: 1.32%
```
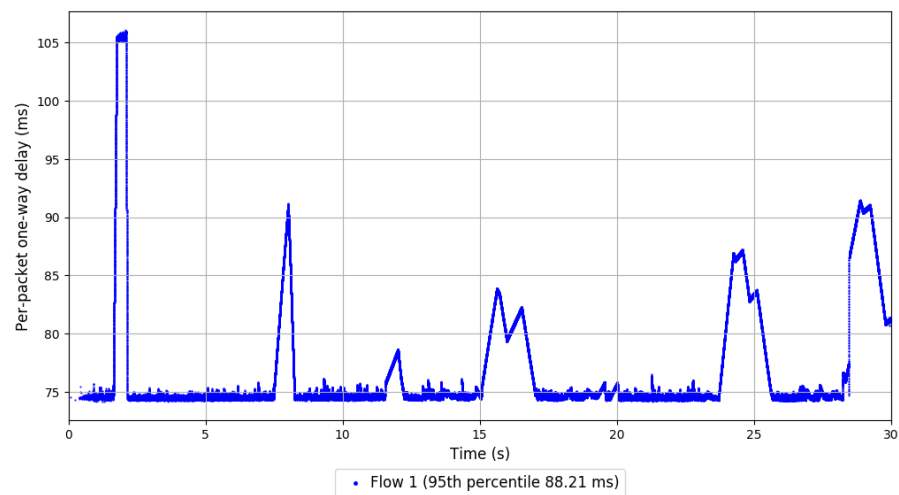
Run 2: Report of PCC-Allegro — Data Link

```
Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 00:52:14
End at: 2018-08-01 00:52:44
Local clock offset: -3.341 ms
Remote clock offset: 22.72 ms


# Below is generated by plot.py at 2018-08-01 03:33:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 98.506 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 98.506 ms
Loss rate: 1.65%
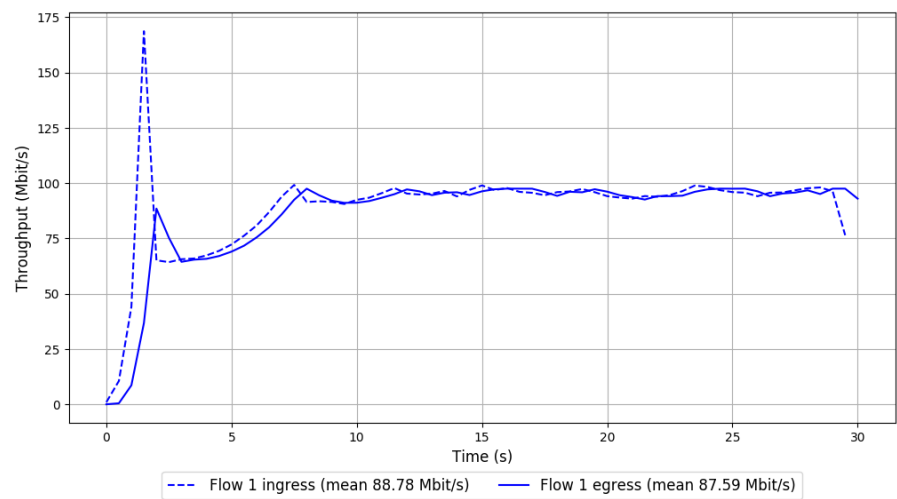```
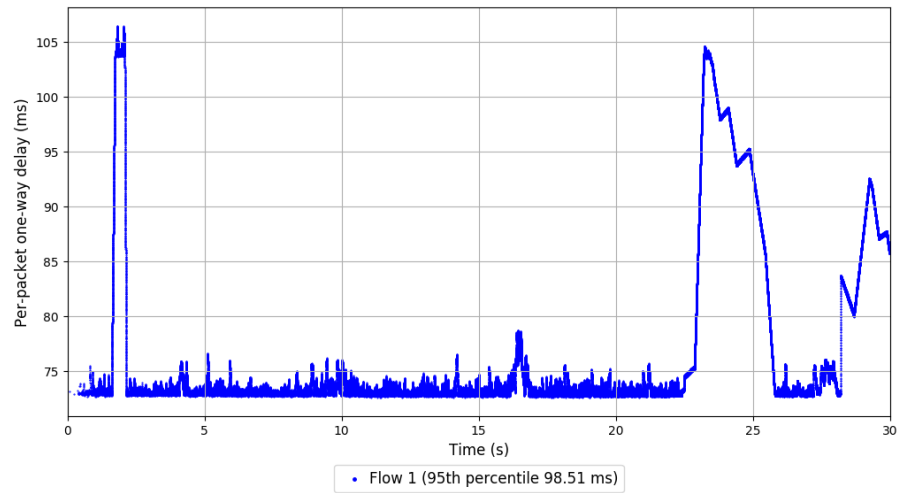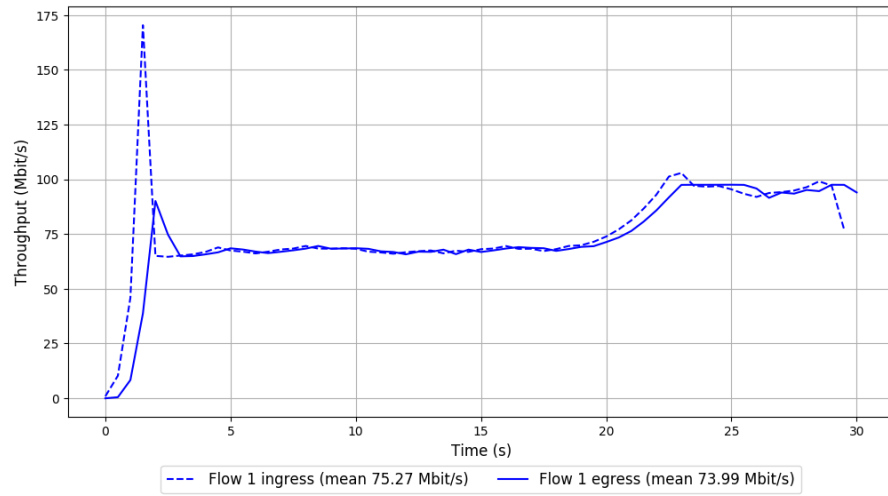
## Run 3: Report of PCC-Allegro — Data Link

```
Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 01:12:07
End at: 2018-08-01 01:12:37
Local clock offset: -3.98 ms
Remote clock offset: 19.494 ms

Below is generated by plot.py at 2018-08-01 03:33:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 87.242 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 87.242 ms
Loss rate: 1.31%
```
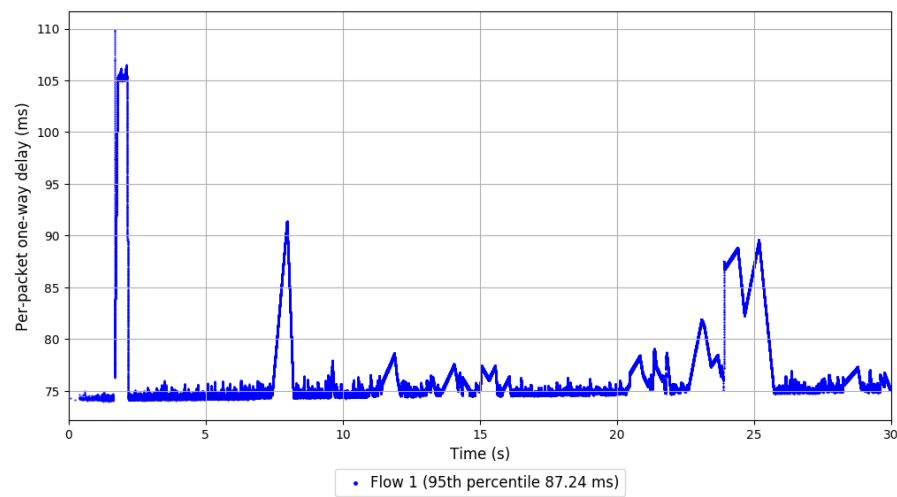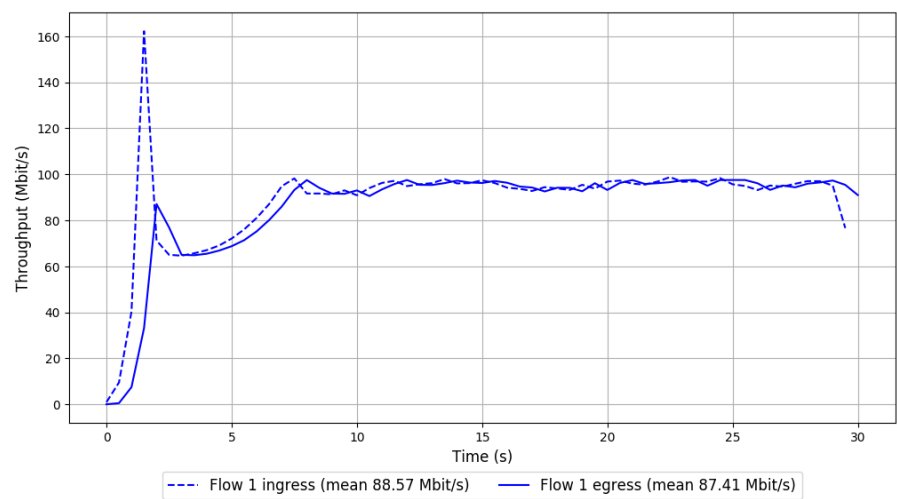
Run 4: Report of PCC-Allegro — Data Link



Flow 1 ingress (mean 88.57 Mbit/s) — Flow 1 egress (mean 87.41 Mbit/s)



Flow 1 (95th percentile 87.24 ms)

```
Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 01:32:05
End at: 2018-08-01 01:32:35
Local clock offset: -4.206 ms
Remote clock offset: 2.65 ms


# Below is generated by plot.py at 2018-08-01 03:33:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 97.637 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 97.637 ms
Loss rate: 1.34%
```

Run 5: Report of PCC-Allegro — Data Link

```
Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 01:51:56
End at: 2018-08-01 01:52:26
Local clock offset: -4.024 ms
Remote clock offset: 5.878 ms


# Below is generated by plot.py at 2018-08-01 03:33:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 90.062 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 90.062 ms
Loss rate: 1.34%
```
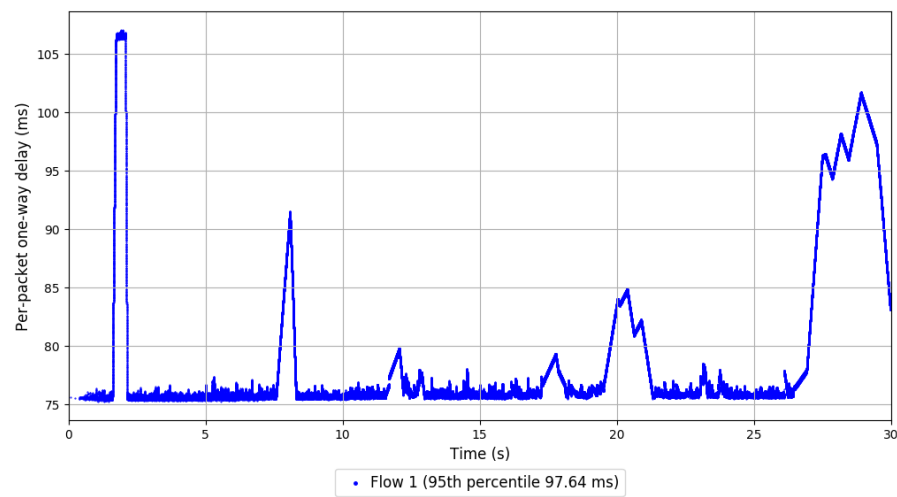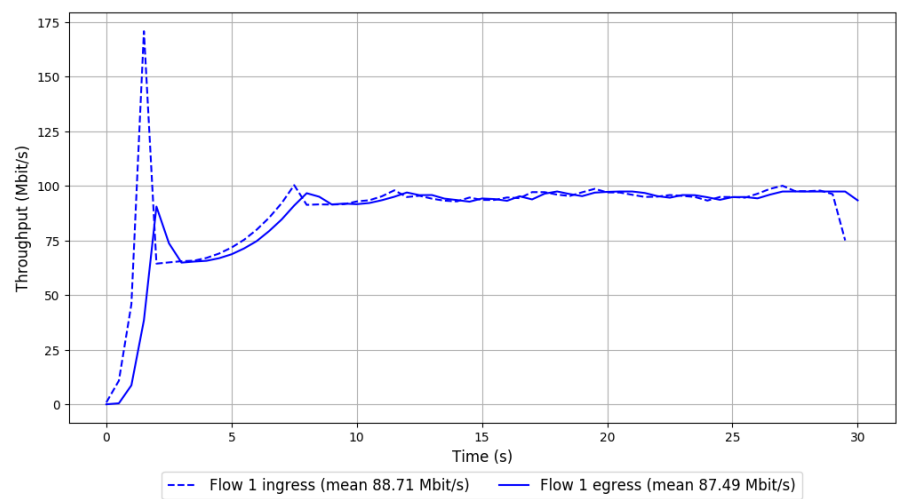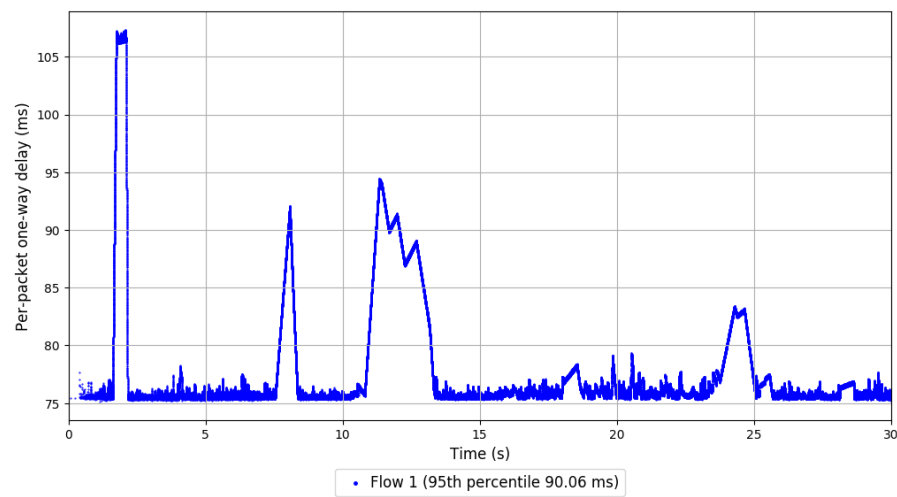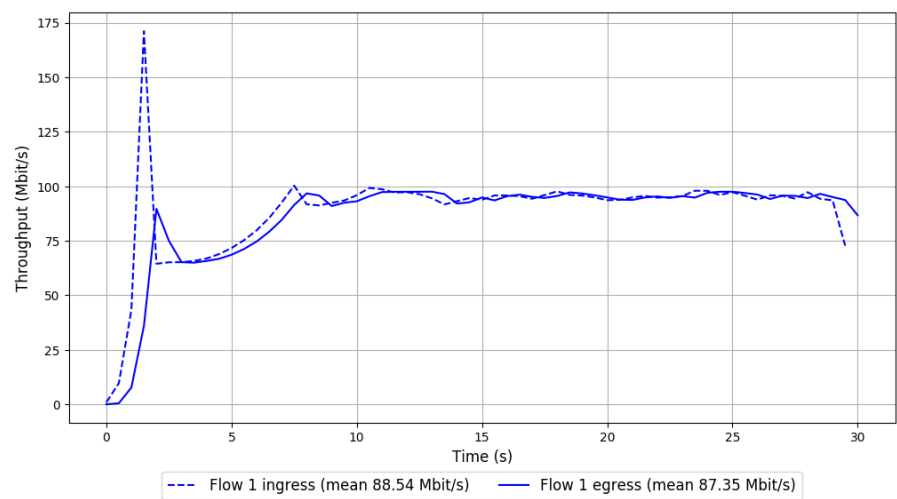
Run 6: Report of PCC-Allegro — Data Link

```
Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 02:11:55
End at: 2018-08-01 02:12:25
Local clock offset: -6.122 ms
Remote clock offset: 6.102 ms


# Below is generated by plot.py at 2018-08-01 03:33:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 88.752 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 88.752 ms
Loss rate: 1.34%
```

Run 7: Report of PCC-Allegro — Data Link

```
Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 02:31:48
End at: 2018-08-01 02:32:18
Local clock offset: -2.484 ms
Remote clock offset: 1.784 ms


# Below is generated by plot.py at 2018-08-01 03:33:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 80.927 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 80.927 ms
Loss rate: 1.37%
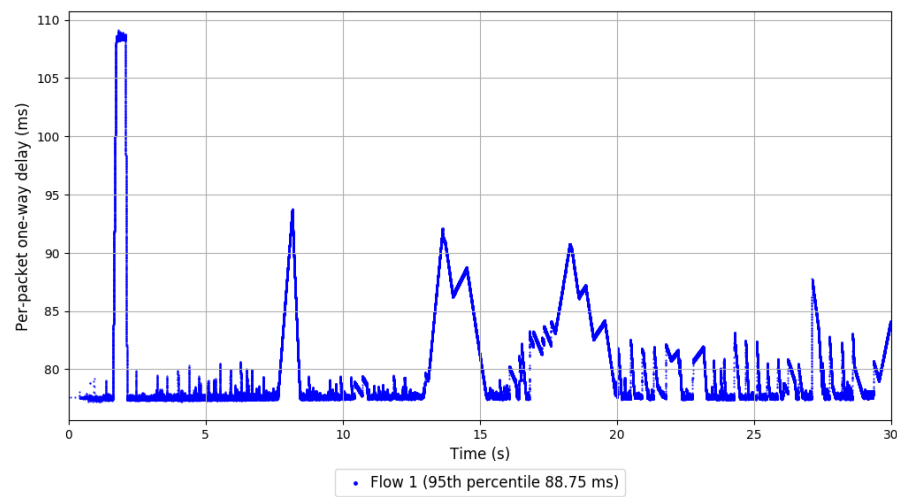```

## Run 8: Report of PCC-Allegro — Data Link



Flow 1 ingress (mean 88.29 Mbit/s)        Flow 1 egress (mean 87.08 Mbit/s)
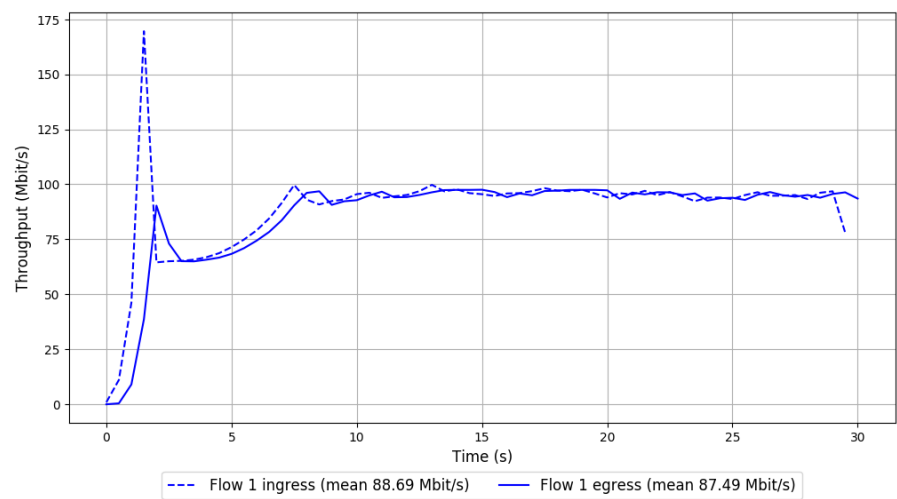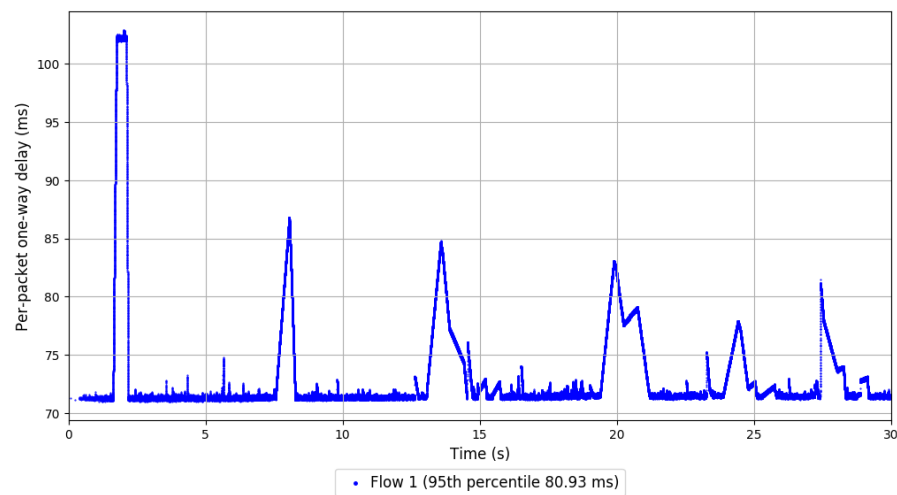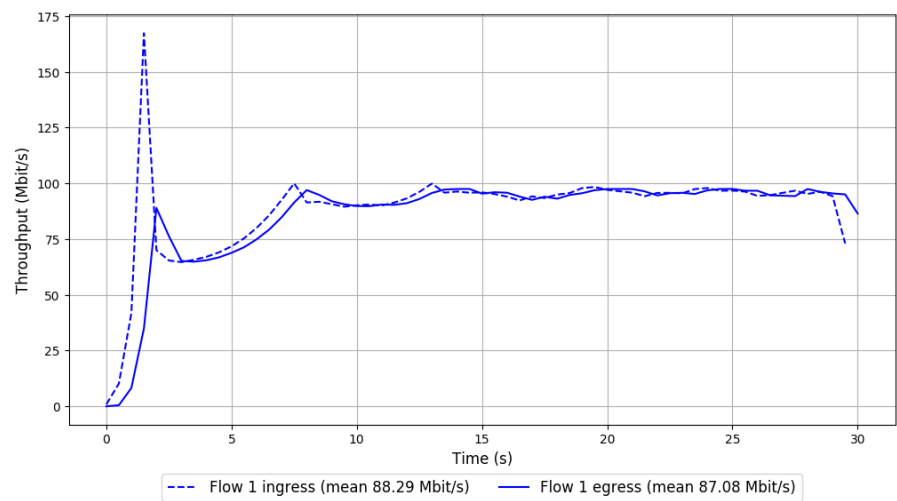


Flow 1 (95th percentile 80.93 ms)

```
Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 02:51:45
End at: 2018-08-01 02:52:15
Local clock offset: 0.502 ms
Remote clock offset: 5.974 ms

Below is generated by plot.py at 2018-08-01 03:34:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 87.146 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 87.146 ms
Loss rate: 1.37%
```
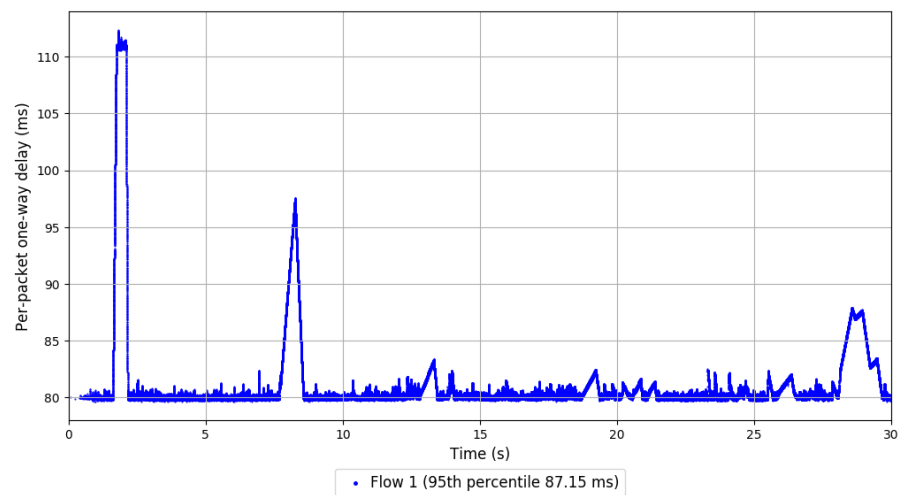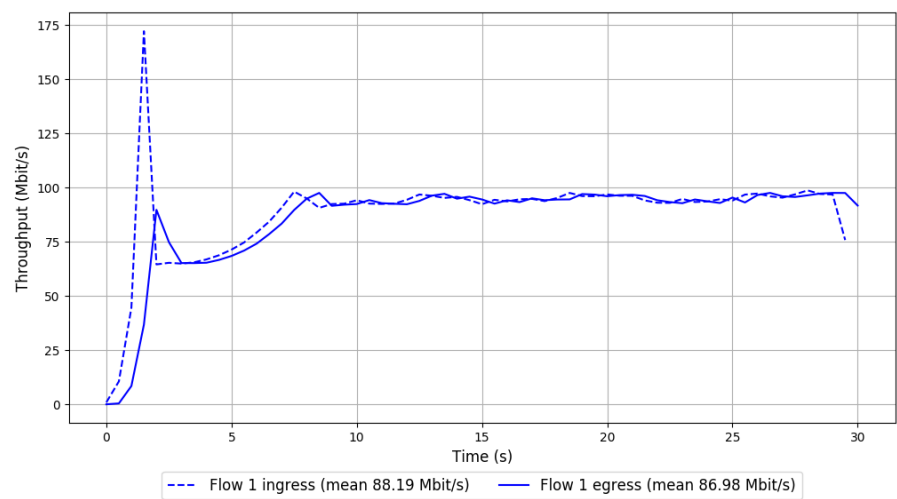
## Run 9: Report of PCC-Allegro — Data Link



Flow 1 ingress (mean 88.19 Mbit/s)    Flow 1 egress (mean 86.98 Mbit/s)



• Flow 1 (95th percentile 87.15 ms)

```
Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 03:11:39
End at: 2018-08-01 03:12:10
Local clock offset: 1.894 ms
Remote clock offset: 10.021 ms

Below is generated by plot.py at 2018-08-01 03:34:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: 92.142 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: 92.142 ms
Loss rate: 1.32%
```
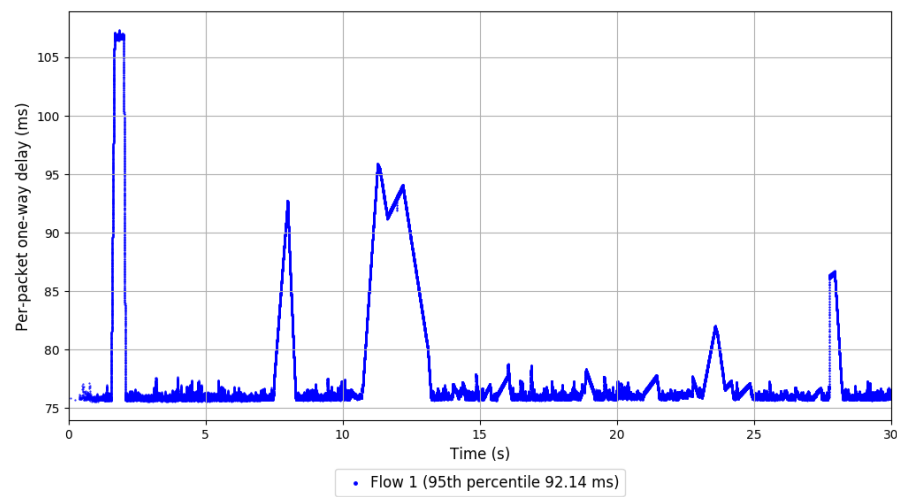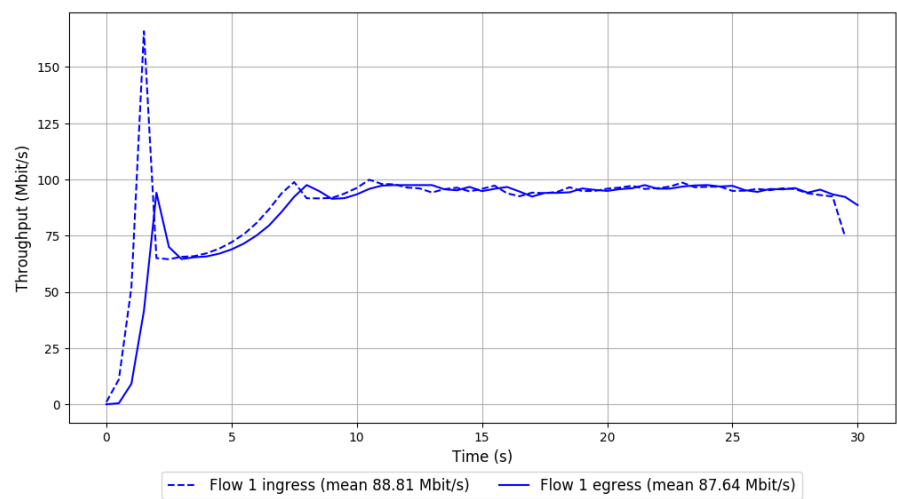
## Run 10: Report of PCC-Allegro — Data Link

```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 00:11:13
End at: 2018-08-01 00:11:43
Local clock offset: -1.453 ms
Remote clock offset: 9.342 ms


# Below is generated by plot.py at 2018-08-01 03:35:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 99.836 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 99.836 ms
Loss rate: 2.13%
```

Run 1: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 90.45 Mbit/s) --- Flow 1 egress (mean 88.53 Mbit/s)
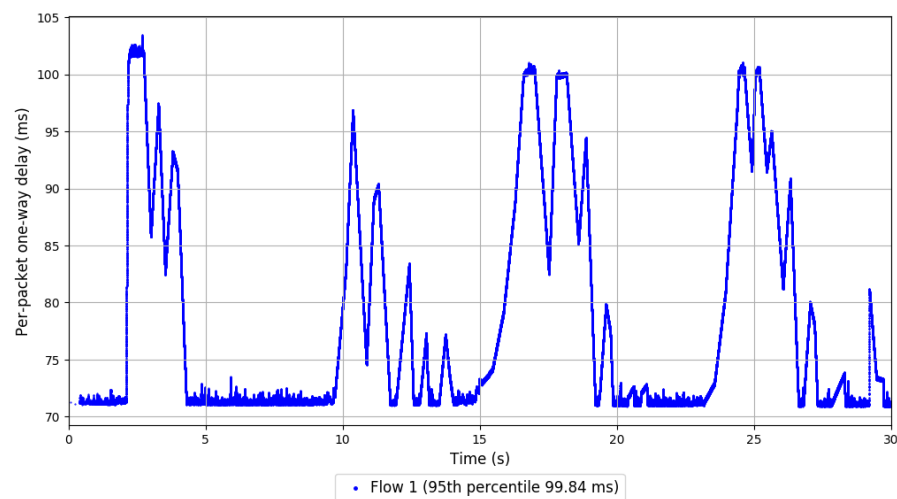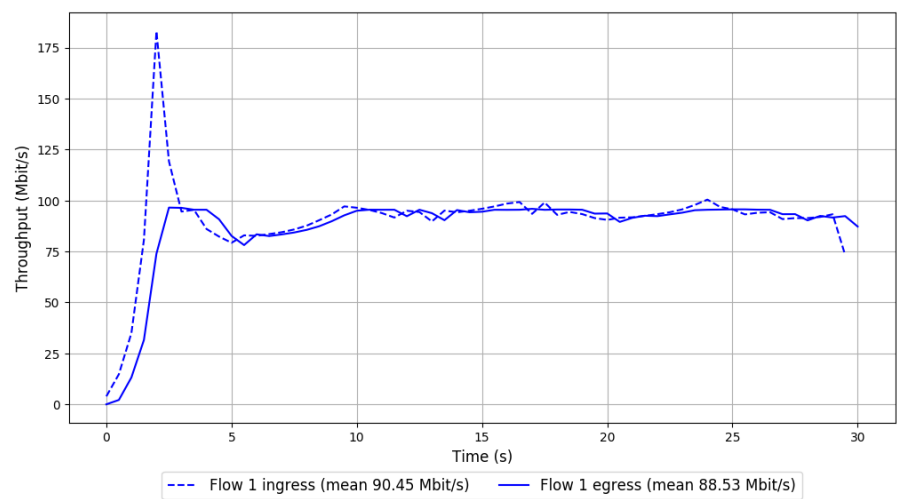

Flow 1 (95th percentile 99.84 ms)

```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 00:31:06
End at: 2018-08-01 00:31:36
Local clock offset: -2.936 ms
Remote clock offset: 19.9 ms


# Below is generated by plot.py at 2018-08-01 03:35:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 102.510 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 102.510 ms
Loss rate: 2.12%
```
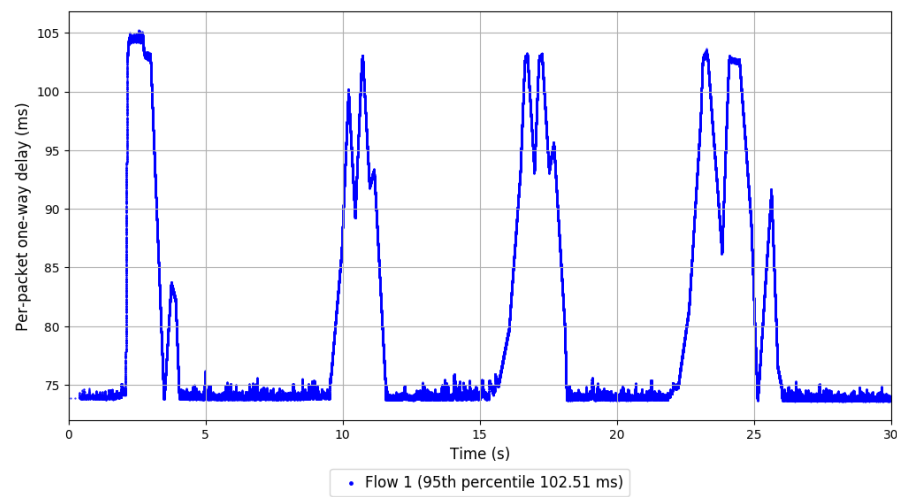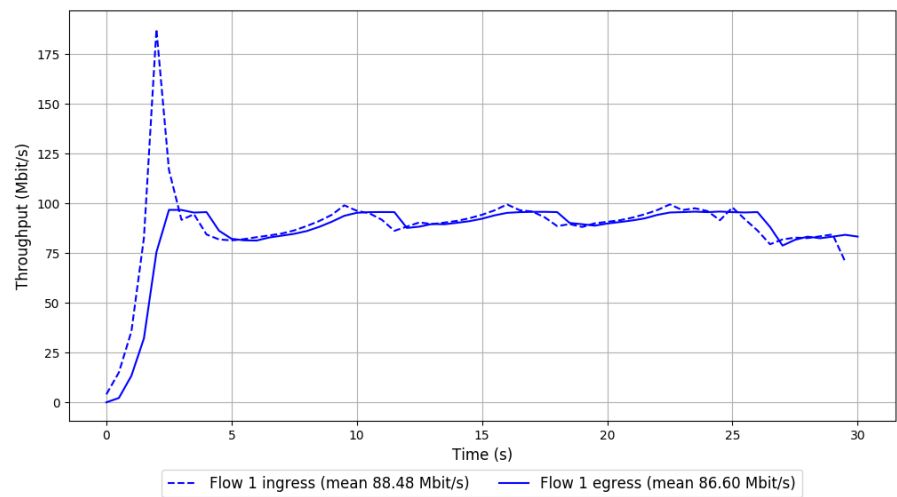
Run 2: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 88.48 Mbit/s)   Flow 1 egress (mean 86.60 Mbit/s)

Flow 1 (95th percentile 102.51 ms)

```
Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 00:50:59
End at: 2018-08-01 00:51:29
Local clock offset: -3.384 ms
Remote clock offset: 22.462 ms


# Below is generated by plot.py at 2018-08-01 03:35:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 103.328 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 103.328 ms
Loss rate: 2.20%
```

Run 3: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 90.04 Mbit/s)   Flow 1 egress (mean 88.06 Mbit/s)
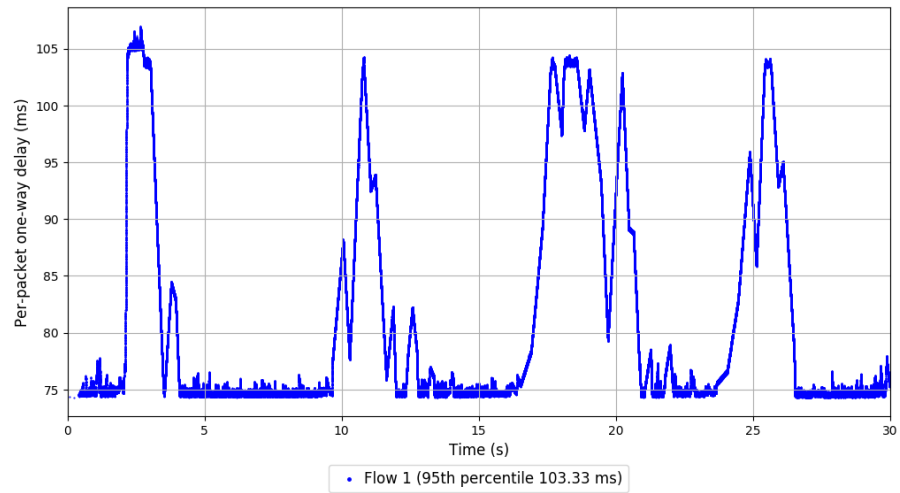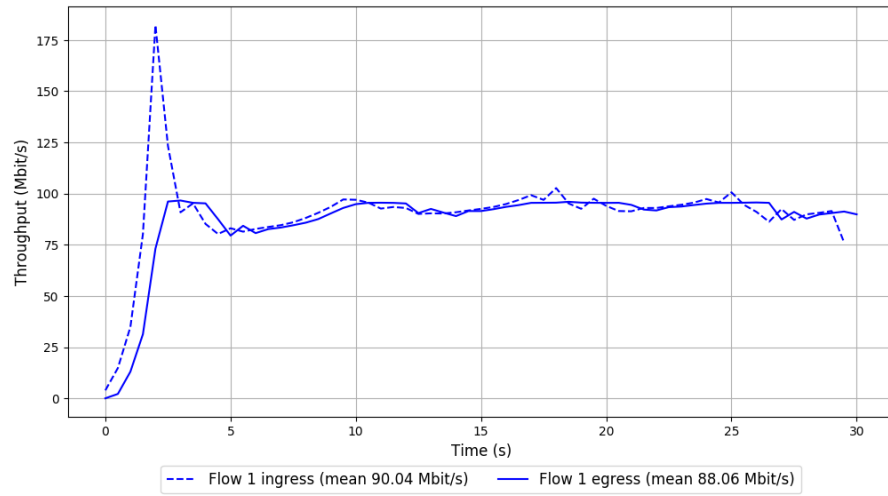

Flow 1 (95th percentile 103.33 ms)

```
Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 01:10:54
End at: 2018-08-01 01:11:24
Local clock offset: -4.081 ms
Remote clock offset: 17.674 ms


# Below is generated by plot.py at 2018-08-01 03:35:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 100.230 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 100.230 ms
Loss rate: 2.43%
```

Run 4: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 88.66 Mbit/s)　　Flow 1 egress (mean 86.51 Mbit/s)
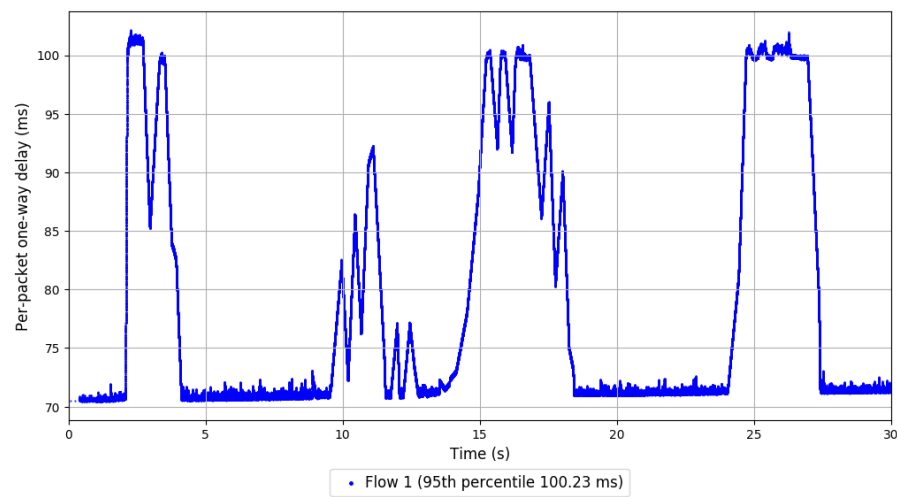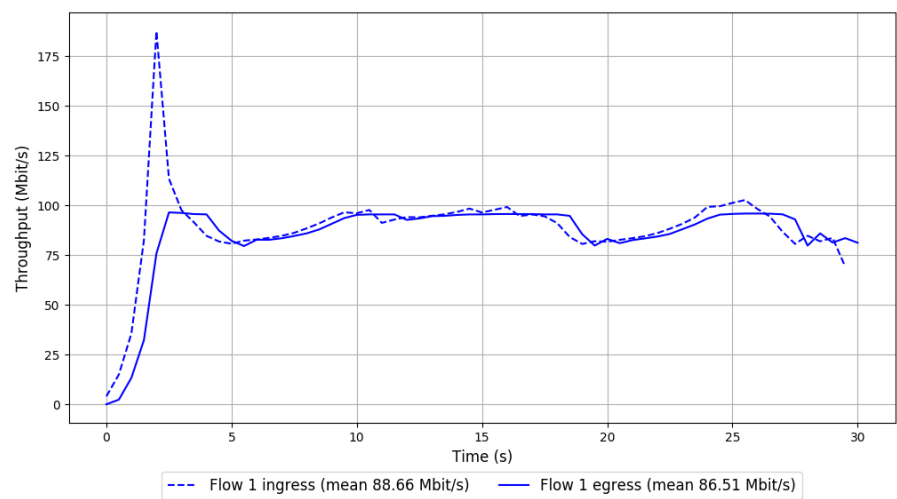

Flow 1 (95th percentile 100.23 ms)

```
Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 01:30:51
End at: 2018-08-01 01:31:21
Local clock offset: -4.225 ms
Remote clock offset: -3.39 ms


# Below is generated by plot.py at 2018-08-01 03:35:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 99.969 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 99.969 ms
Loss rate: 2.34%
```
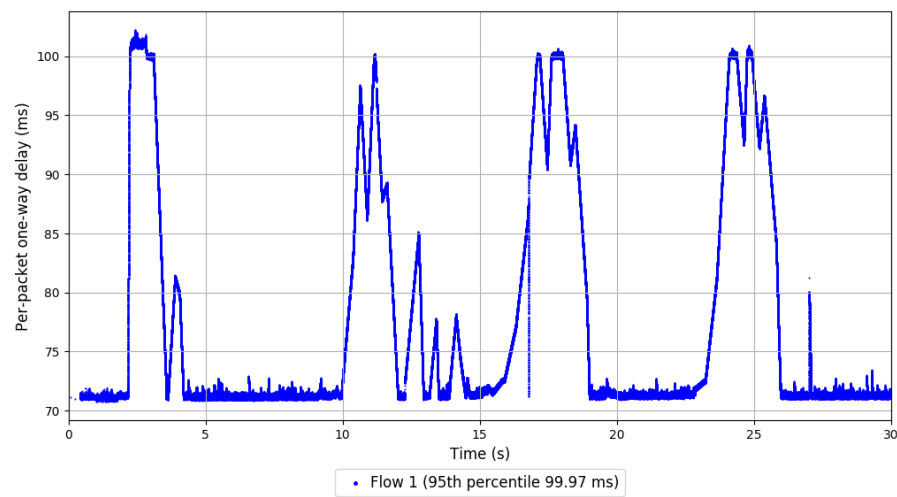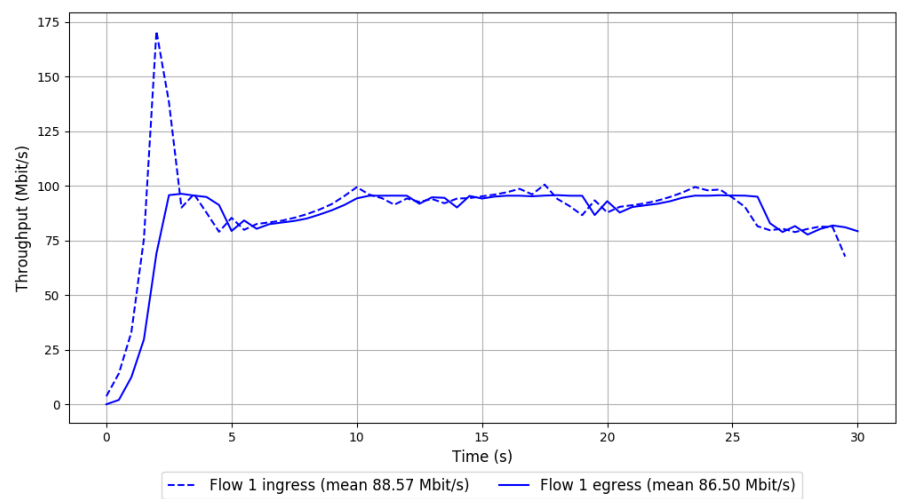
Run 5: Report of PCC-Expr — Data Link

```
Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 01:50:41
End at: 2018-08-01 01:51:11
Local clock offset: -4.028 ms
Remote clock offset: 1.058 ms


# Below is generated by plot.py at 2018-08-01 03:35:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 99.147 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 99.147 ms
Loss rate: 2.12%
```
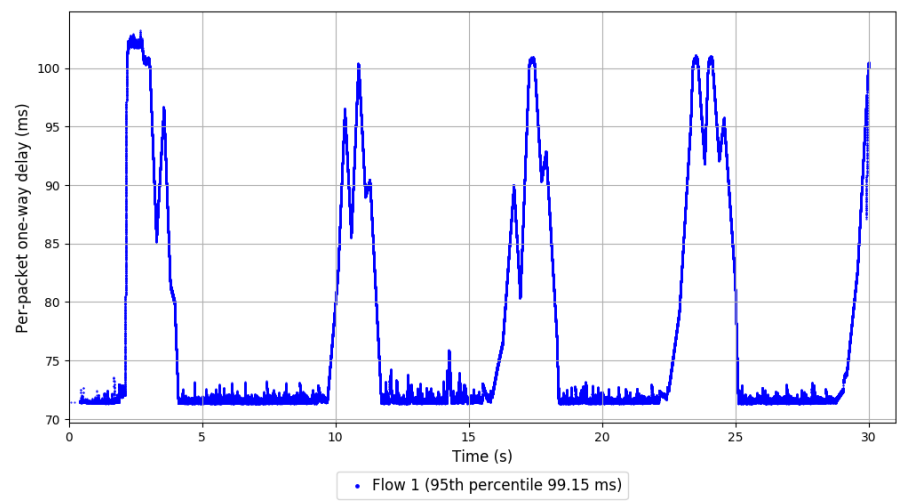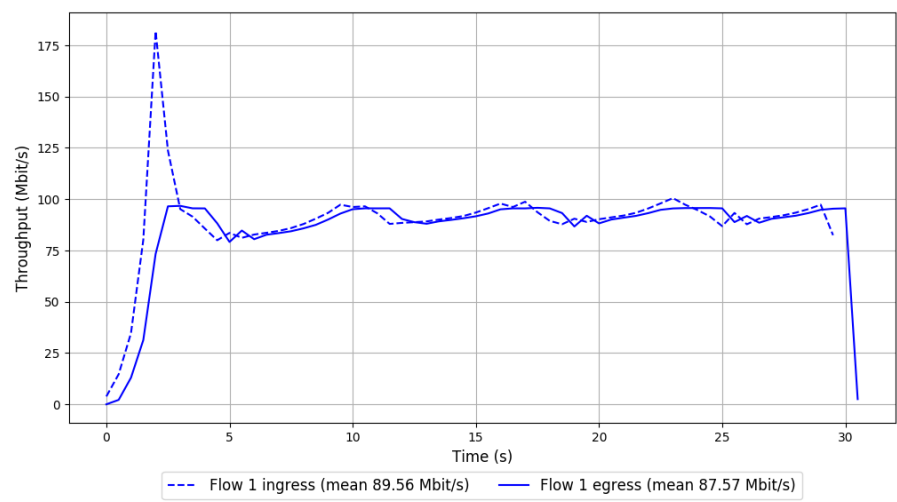
Run 6: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 89.56 Mbit/s)   Flow 1 egress (mean 87.57 Mbit/s)

Flow 1 (95th percentile 99.15 ms)

```
Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 02:10:41
End at: 2018-08-01 02:11:11
Local clock offset: -6.077 ms
Remote clock offset: 1.443 ms


# Below is generated by plot.py at 2018-08-01 03:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 103.321 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 103.321 ms
Loss rate: 2.30%
```
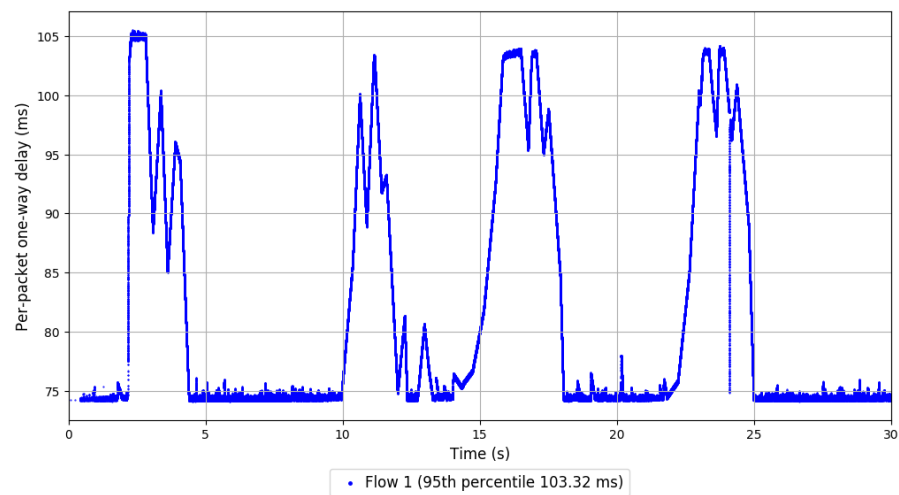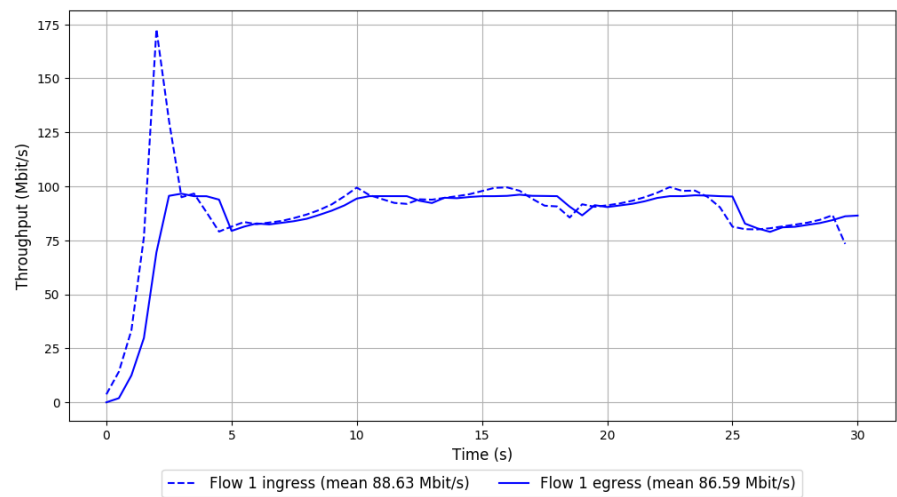
Run 7: Report of PCC-Expr — Data Link

```
Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 02:30:33
End at: 2018-08-01 02:31:03
Local clock offset: -2.773 ms
Remote clock offset: 2.772 ms


# Below is generated by plot.py at 2018-08-01 03:36:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 99.382 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 99.382 ms
Loss rate: 2.19%
```
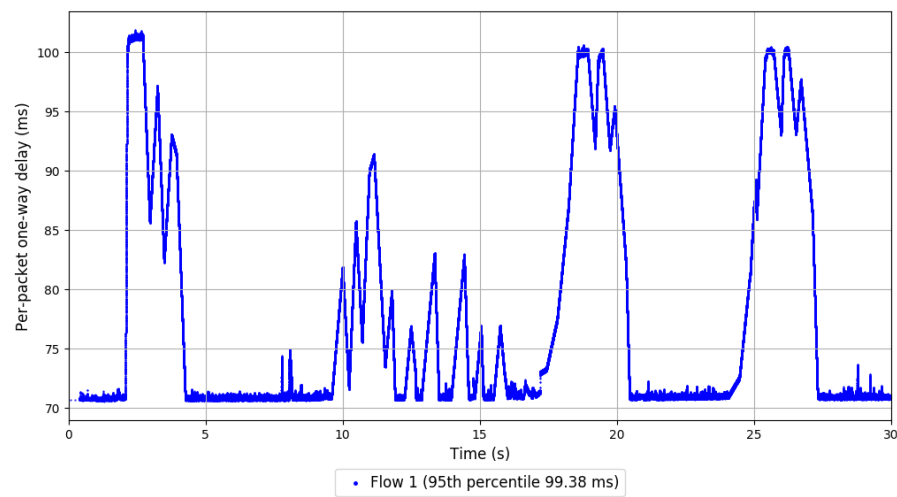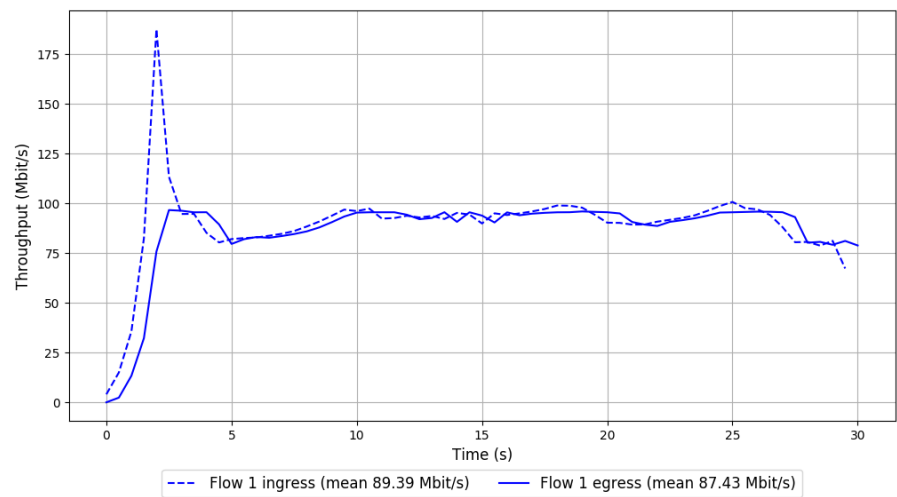
Run 8: Report of PCC-Expr — Data Link

```
Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 02:50:29
End at: 2018-08-01 02:50:59
Local clock offset: 0.377 ms
Remote clock offset: 1.666 ms

# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 99.584 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 99.584 ms
Loss rate: 2.15%
```
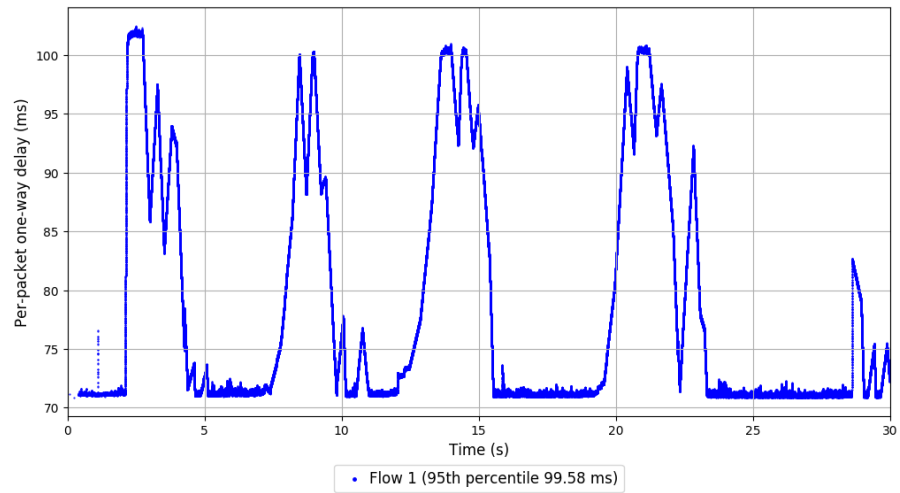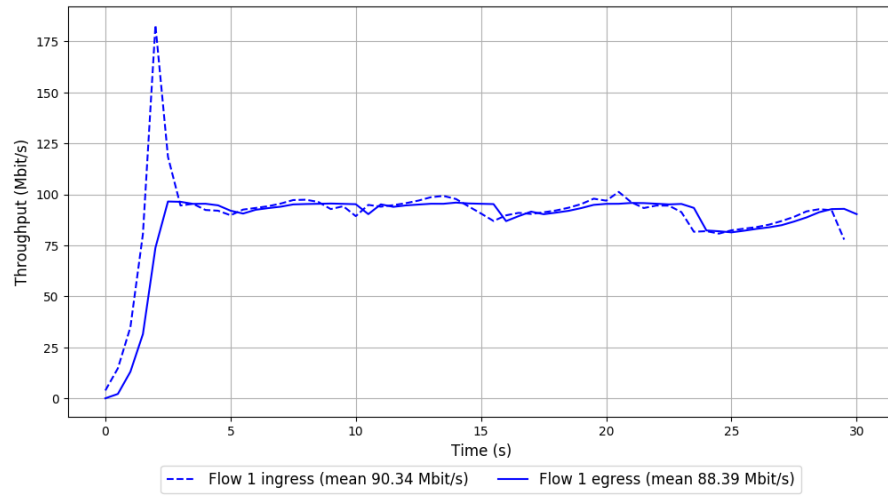
Run 9: Report of PCC-Expr — Data Link

```
Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 03:10:25
End at: 2018-08-01 03:10:55
Local clock offset: 1.906 ms
Remote clock offset: 6.155 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 101.603 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 101.603 ms
Loss rate: 2.44%
```
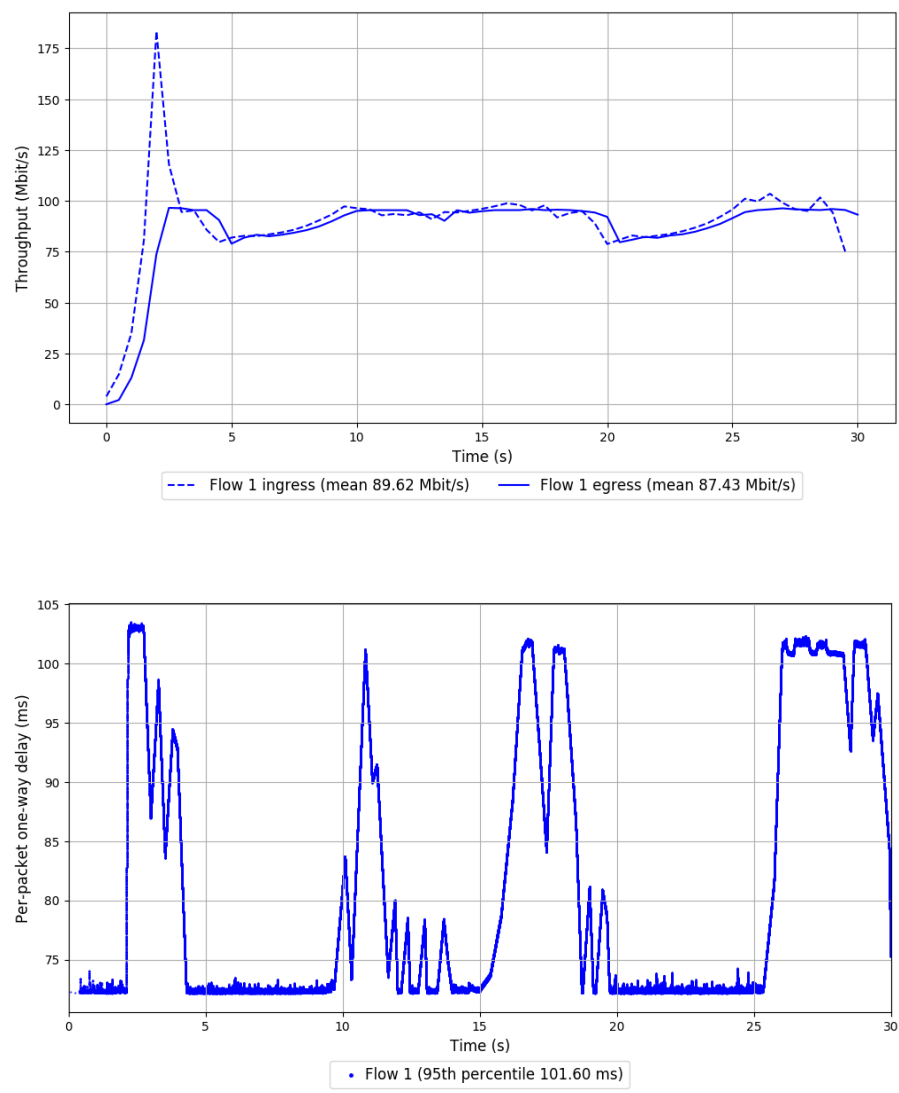
Run 10: Report of PCC-Expr — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 00:07:42
End at: 2018-08-01 00:08:12
Local clock offset: -1.561 ms
Remote clock offset: 8.431 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.44 Mbit/s
95th percentile per-packet one-way delay: 73.012 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 69.44 Mbit/s
95th percentile per-packet one-way delay: 73.012 ms
Loss rate: 0.50%
```
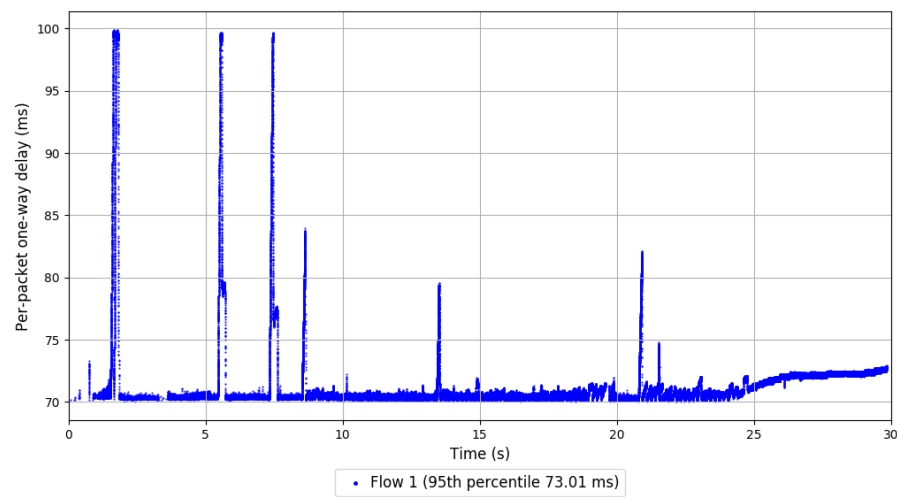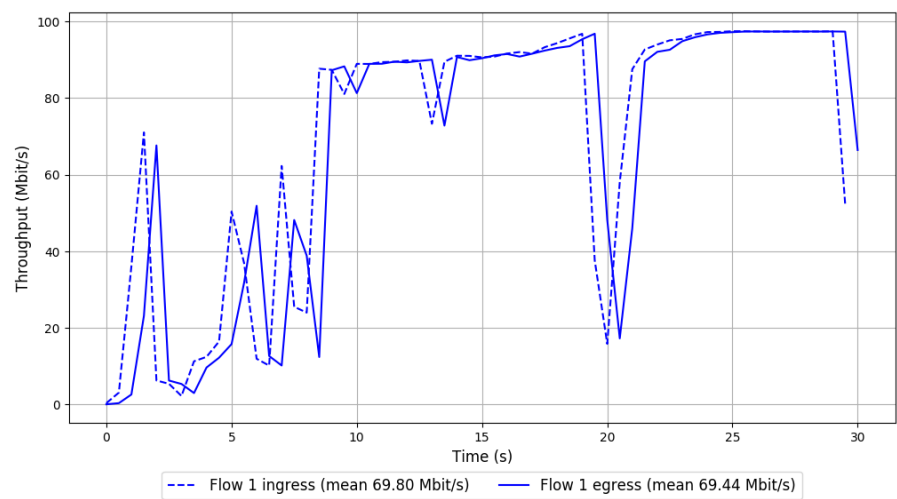
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 00:27:34
End at: 2018-08-01 00:28:04
Local clock offset: -2.19 ms
Remote clock offset: 14.157 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 93.962 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 93.962 ms
Loss rate: 0.44%
```
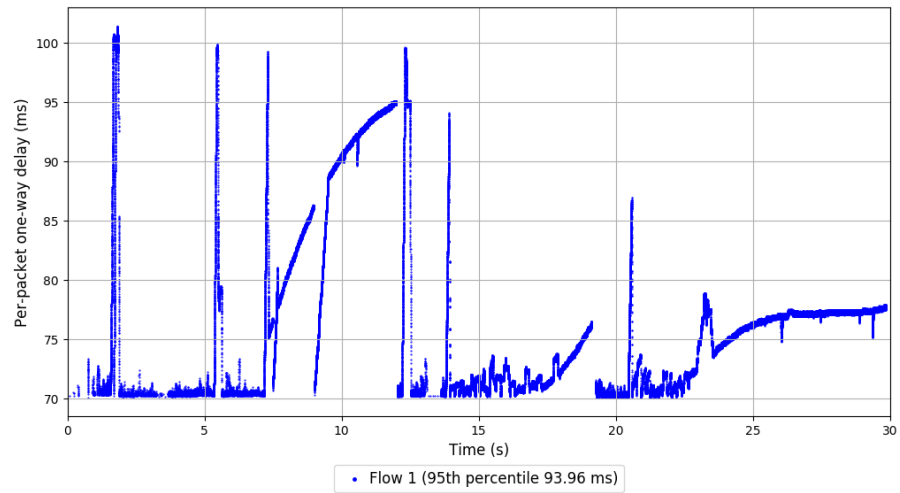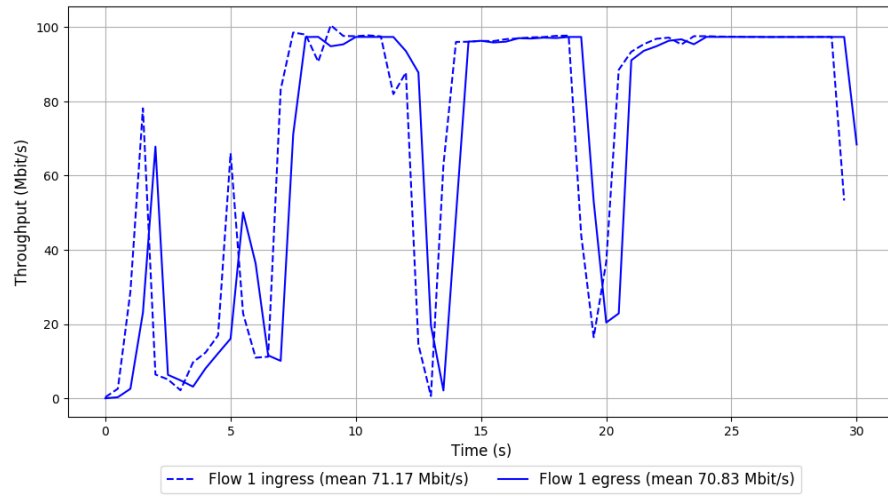
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 71.17 Mbit/s) ----- Flow 1 egress (mean 70.83 Mbit/s)

Flow 1 (95th percentile 93.96 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 00:47:27
End at: 2018-08-01 00:47:57
Local clock offset: -3.535 ms
Remote clock offset: 23.035 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 81.113 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 81.113 ms
Loss rate: 0.51%
```

Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 69.40 Mbit/s) --- Flow 1 egress (mean 69.04 Mbit/s)
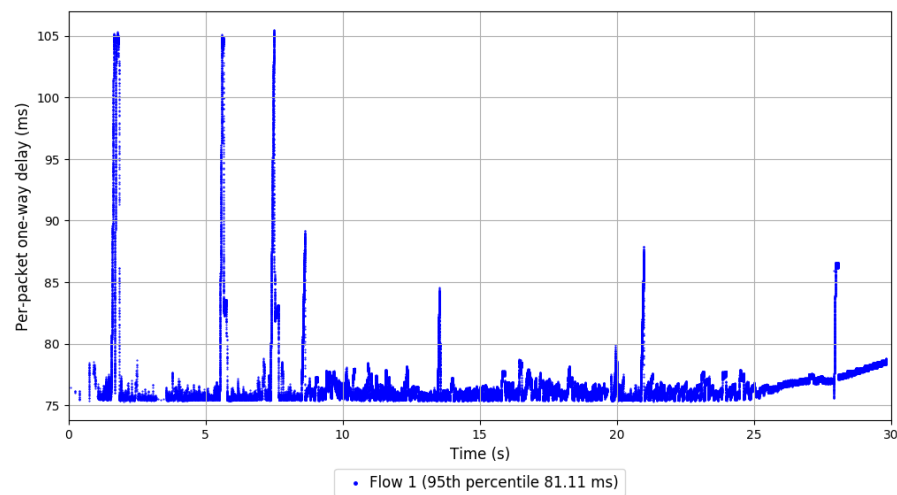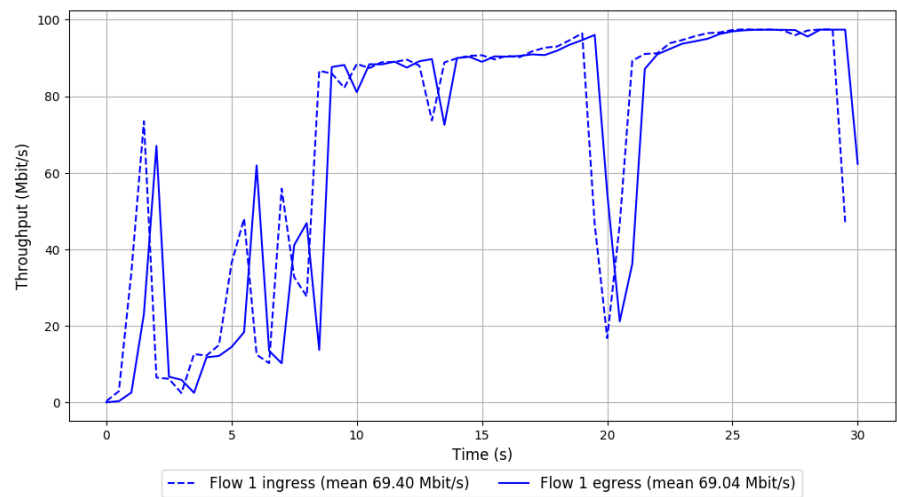

Flow 1 (95th percentile 81.11 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 01:07:23
End at: 2018-08-01 01:07:53
Local clock offset: -4.076 ms
Remote clock offset: 26.561 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.19 Mbit/s
95th percentile per-packet one-way delay: 101.652 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 65.19 Mbit/s
95th percentile per-packet one-way delay: 101.652 ms
Loss rate: 0.49%
```

Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 01:27:19
End at: 2018-08-01 01:27:49
Local clock offset: -4.018 ms
Remote clock offset: 7.334 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.14 Mbit/s
95th percentile per-packet one-way delay: 81.180 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 69.14 Mbit/s
95th percentile per-packet one-way delay: 81.180 ms
Loss rate: 0.49%
```
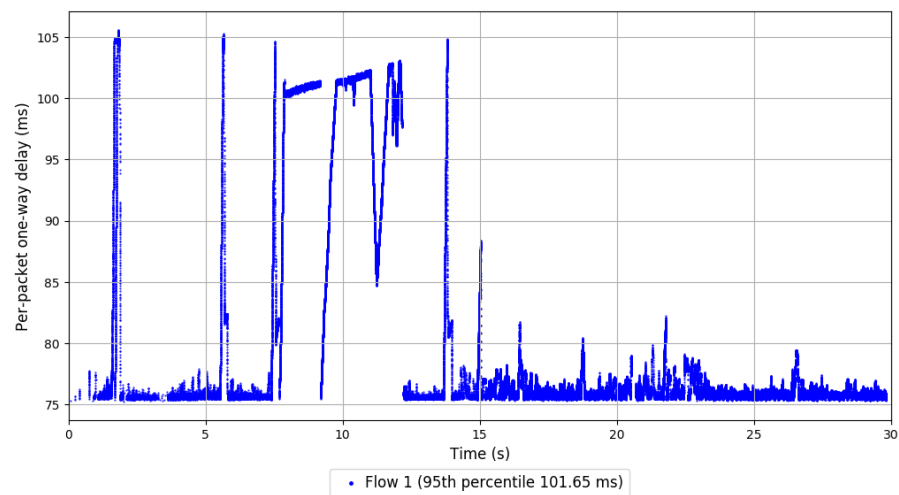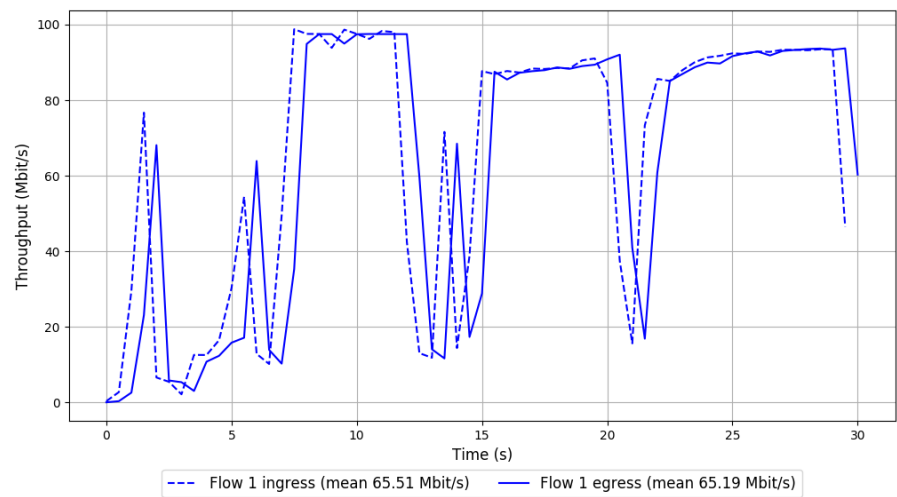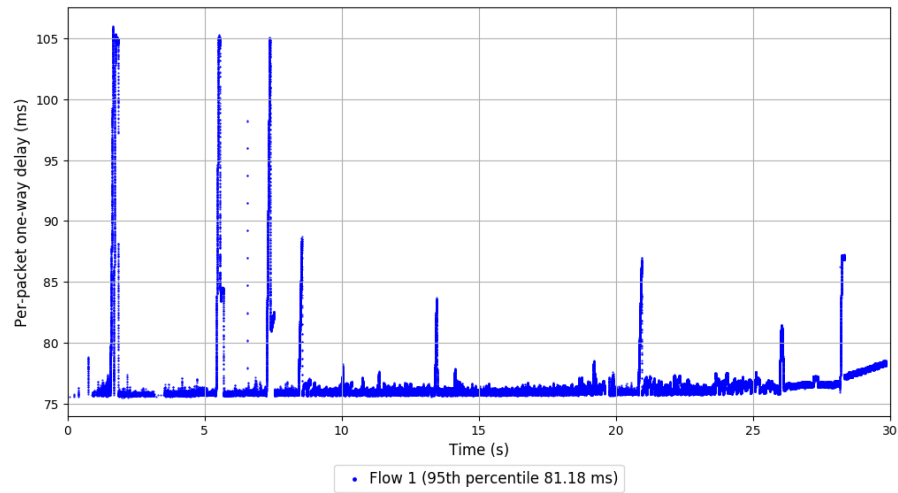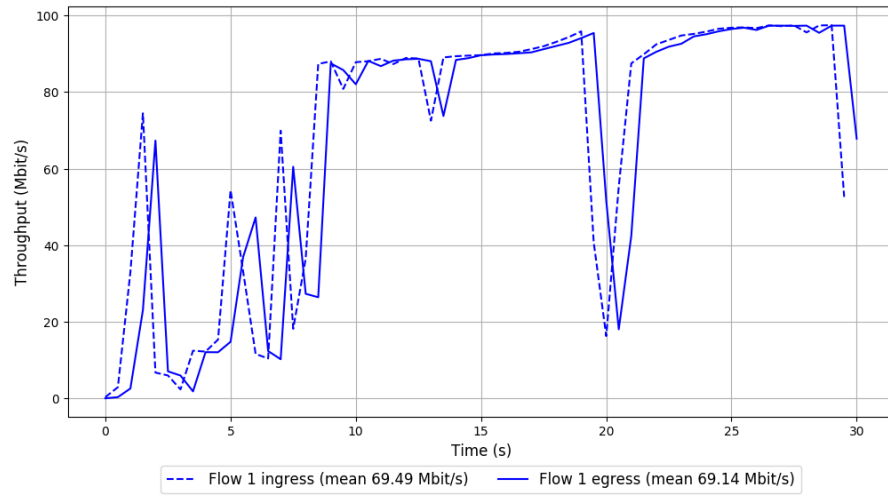
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 69.49 Mbit/s) --- Flow 1 egress (mean 69.14 Mbit/s)

Flow 1 (95th percentile 81.18 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 01:47:10
End at: 2018-08-01 01:47:40
Local clock offset: -4.122 ms
Remote clock offset: 6.401 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 109.297 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 109.297 ms
Loss rate: 0.48%
```
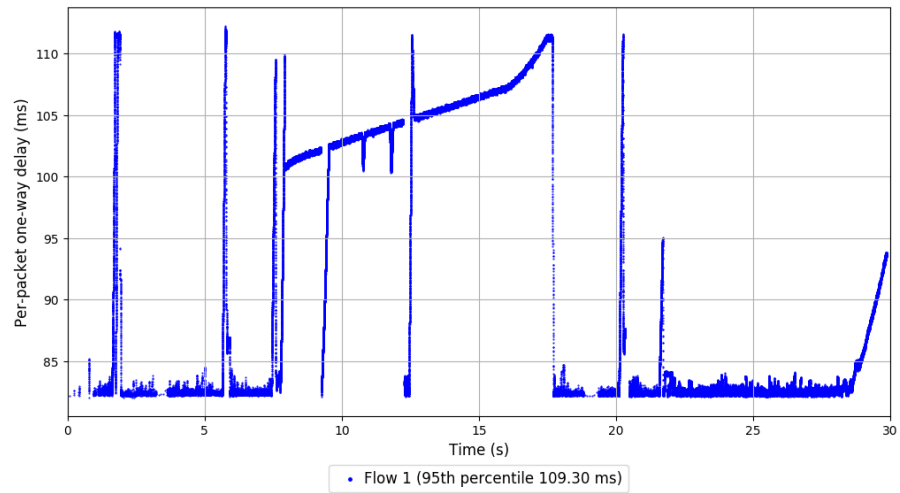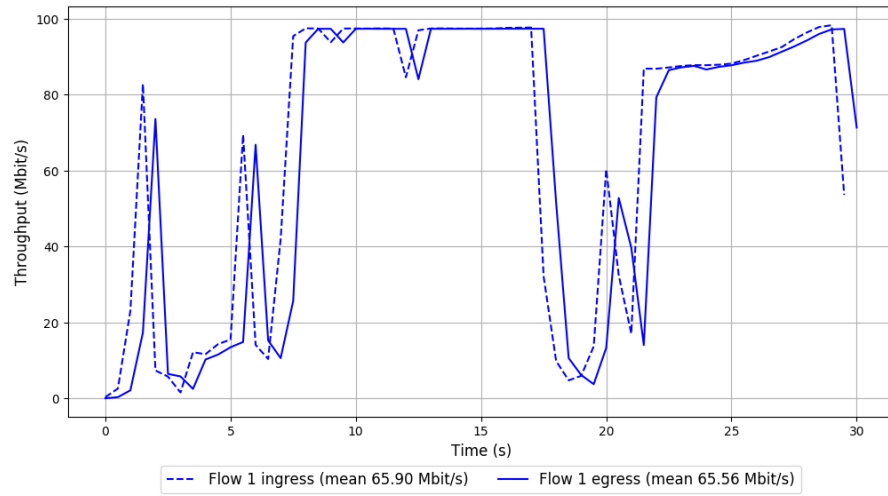
Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 02:07:10
End at: 2018-08-01 02:07:40
Local clock offset: -5.964 ms
Remote clock offset: 0.754 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 97.632 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 97.632 ms
Loss rate: 0.44%
```
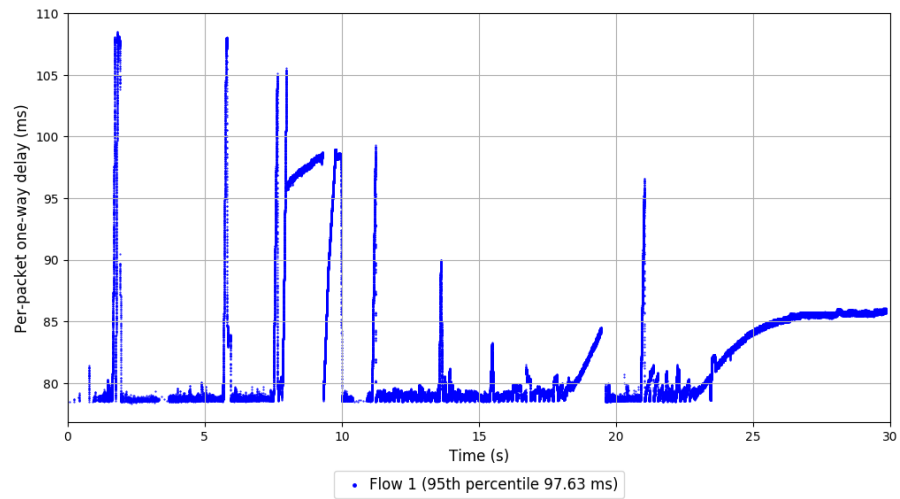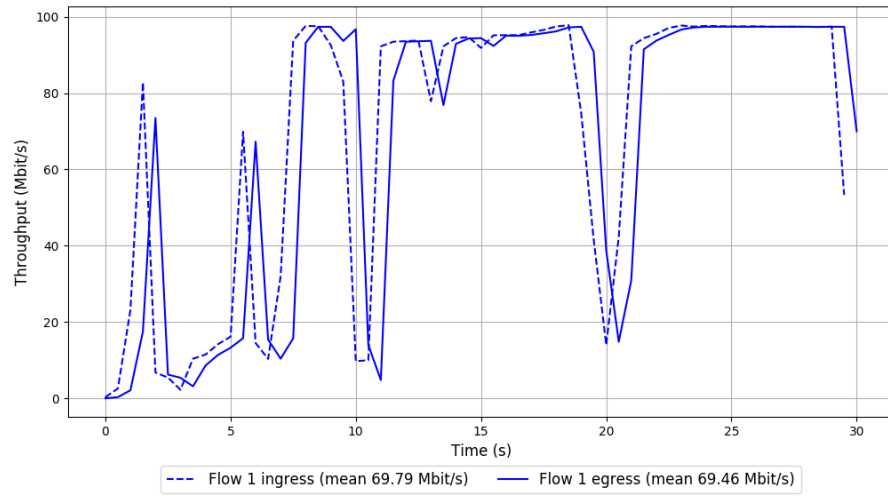
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 69.79 Mbit/s)　　Flow 1 egress (mean 69.46 Mbit/s)

Flow 1 (95th percentile 97.63 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 02:27:02
End at: 2018-08-01 02:27:32
Local clock offset: -4.016 ms
Remote clock offset: 6.473 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.52 Mbit/s
95th percentile per-packet one-way delay: 96.401 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 70.52 Mbit/s
95th percentile per-packet one-way delay: 96.401 ms
Loss rate: 0.33%
```
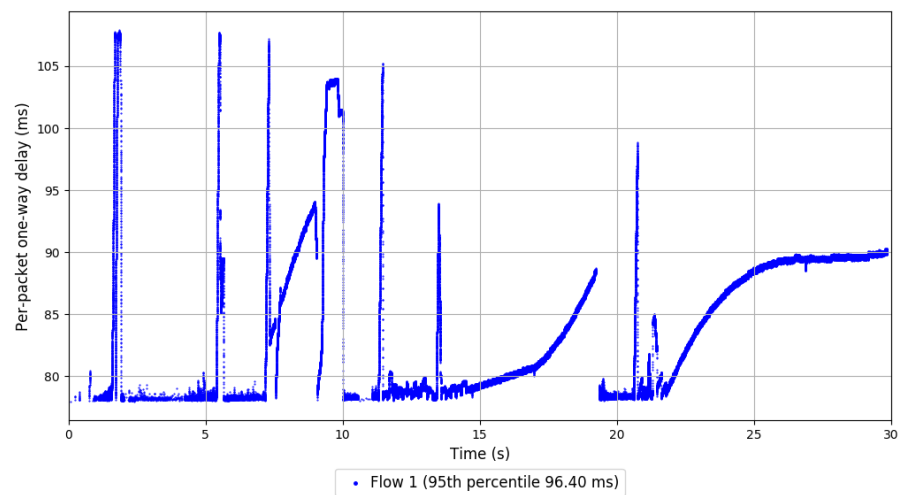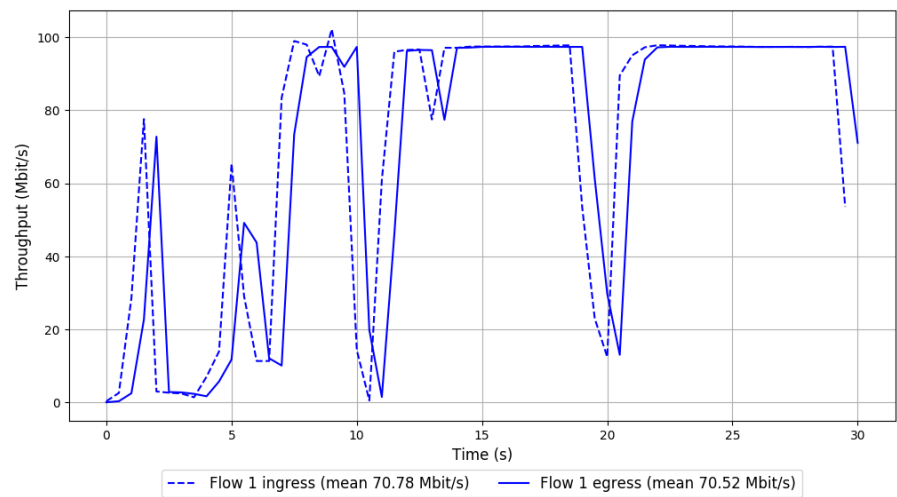
Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 02:46:56
End at: 2018-08-01 02:47:26
Local clock offset: -0.048 ms
Remote clock offset: 7.65 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 82.623 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 82.623 ms
Loss rate: 0.48%
```
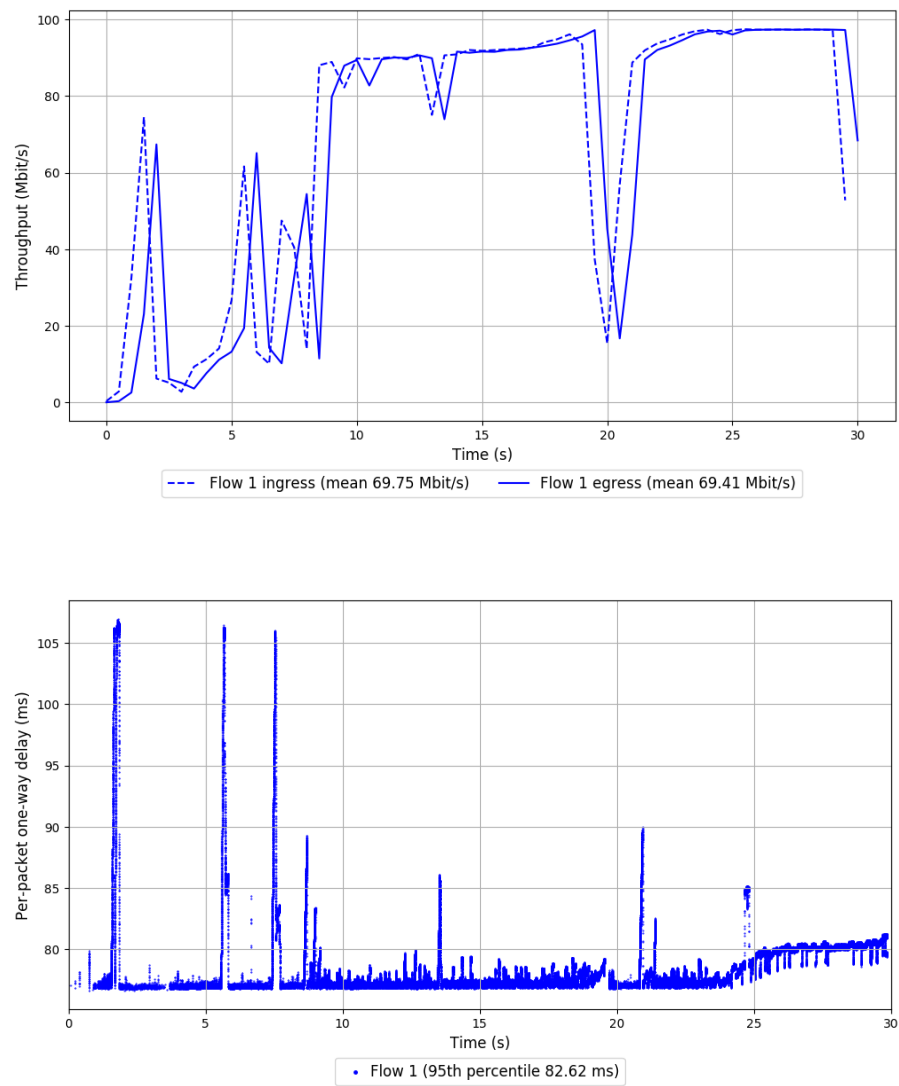
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 69.75 Mbit/s)   Flow 1 egress (mean 69.41 Mbit/s)

Flow 1 (95th percentile 82.62 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 03:06:52
End at: 2018-08-01 03:07:22
Local clock offset: 1.638 ms
Remote clock offset: 9.532 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.81 Mbit/s
95th percentile per-packet one-way delay: 80.071 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 68.81 Mbit/s
95th percentile per-packet one-way delay: 80.071 ms
Loss rate: 0.49%
```
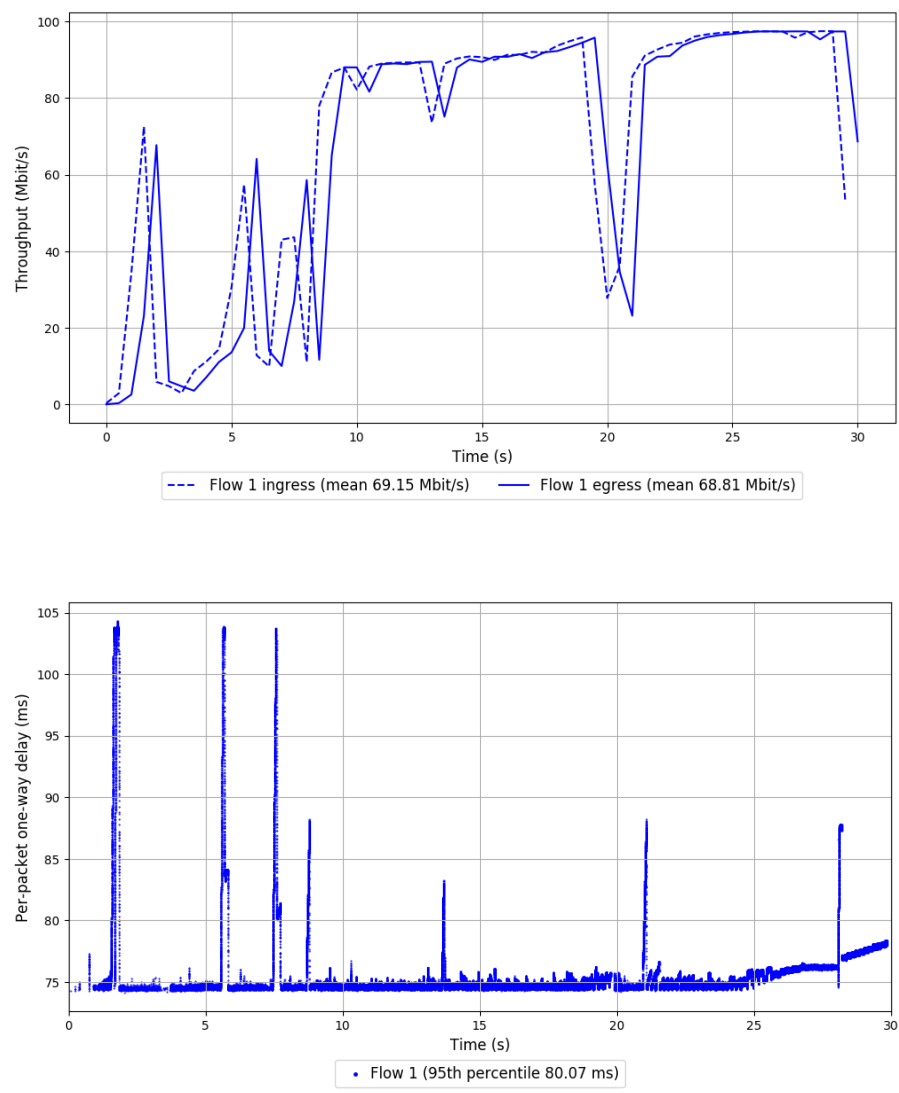
Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 69.15 Mbit/s) ---- Flow 1 egress (mean 68.81 Mbit/s)
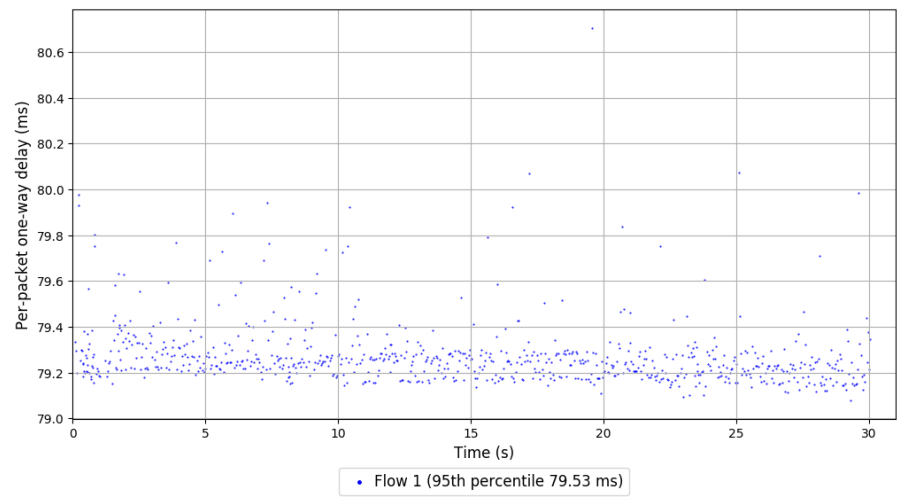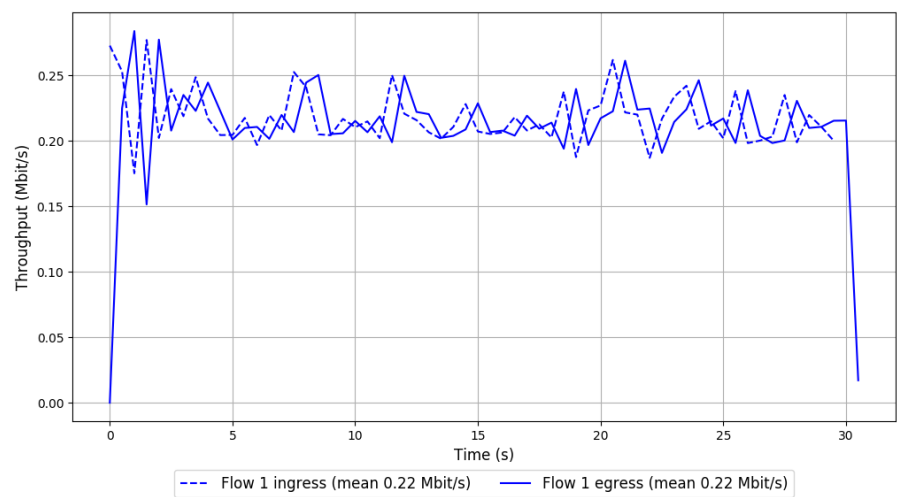

Flow 1 (95th percentile 80.07 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-08-01 00:19:31
End at: 2018-08-01 00:20:01
Local clock offset: -0.579 ms
Remote clock offset: 18.186 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.529 ms
Loss rate: 0.00%
```

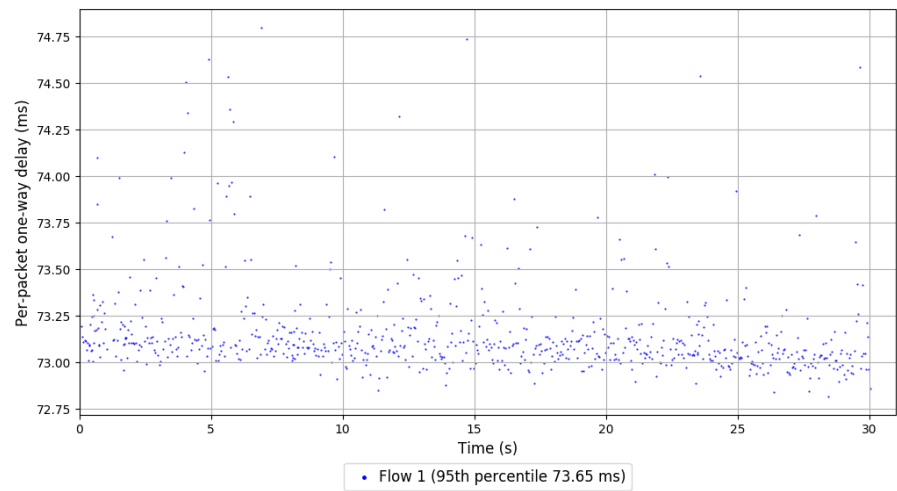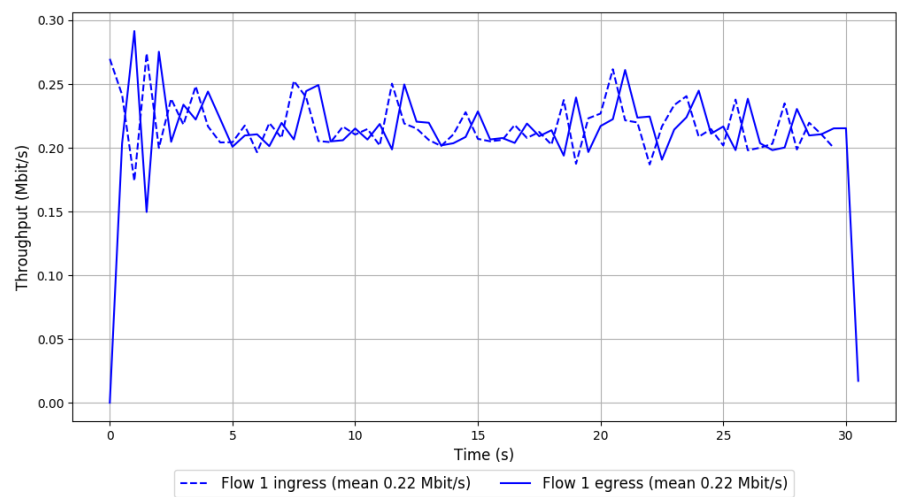## Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2018-08-01 00:39:24
End at: 2018-08-01 00:39:54
Local clock offset: -3.653 ms
Remote clock offset: 20.385 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.647 ms
Loss rate: 0.00%
```
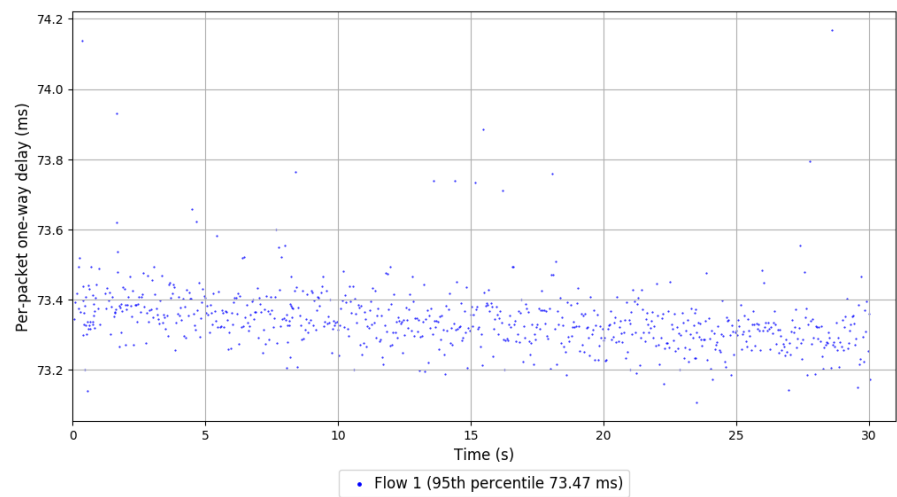
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2018-08-01 00:59:19
End at: 2018-08-01 00:59:49
Local clock offset: -3.986 ms
Remote clock offset: 20.322 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.473 ms
Loss rate: 0.00%
```
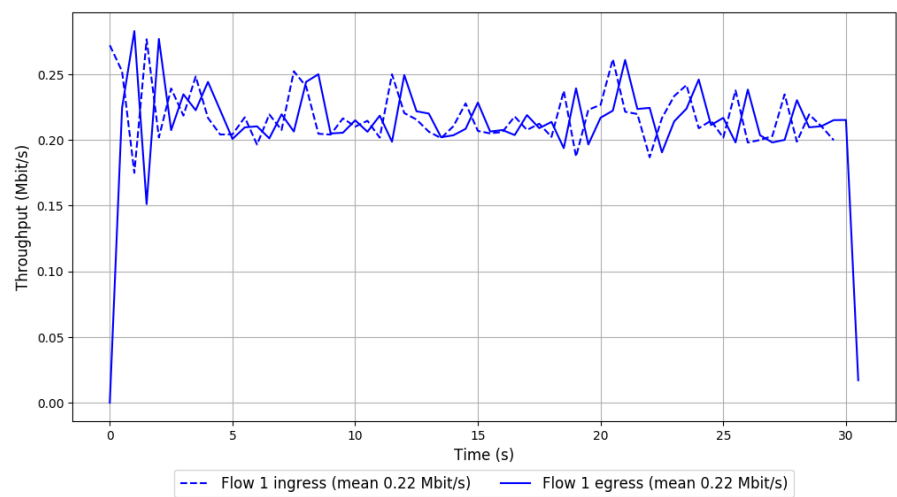
Run 3: Report of SCReAM — Data Link

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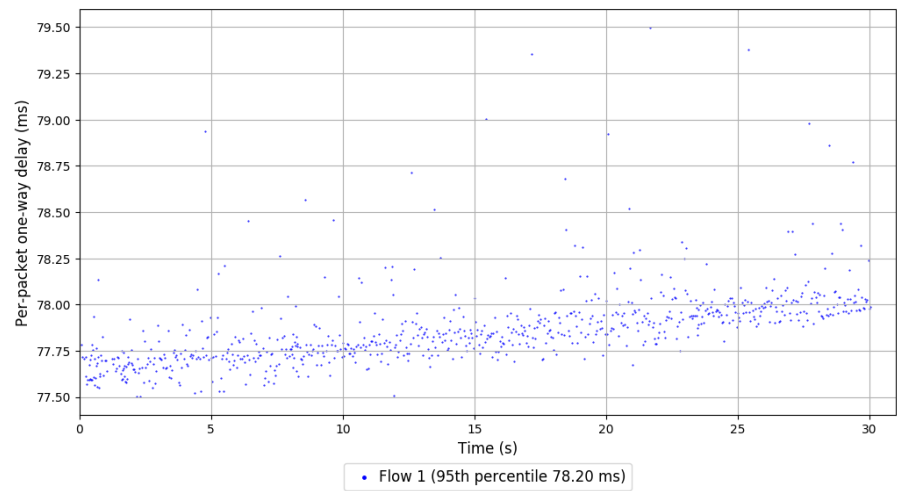

Flow 1 (95th percentile 73.47 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-08-01 01:19:14
End at: 2018-08-01 01:19:44
Local clock offset: -3.825 ms
Remote clock offset: 11.331 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.197 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

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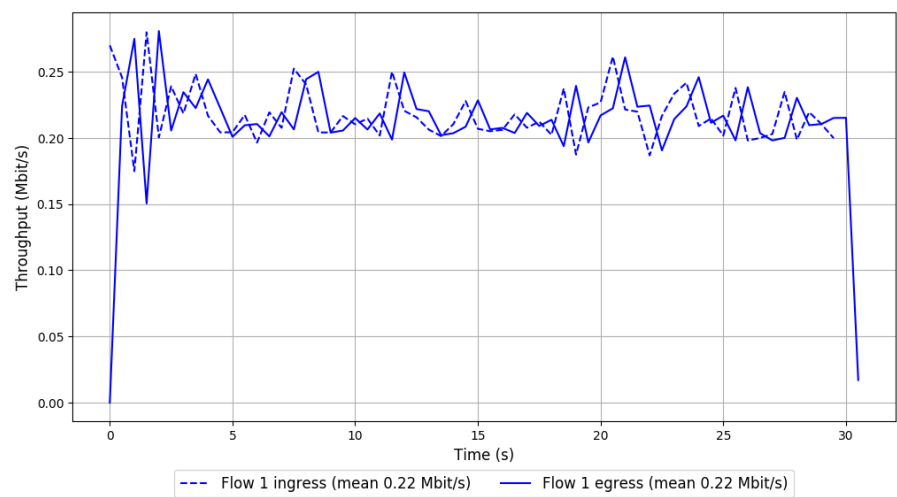

Flow 1 (95th percentile 78.20 ms)

```
Run 5: Statistics of SCReAM

Start at: 2018-08-01 01:39:10
End at: 2018-08-01 01:39:40
Local clock offset: -4.236 ms
Remote clock offset: 1.129 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 75.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 75.074 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2018-08-01 01:59:02
End at: 2018-08-01 01:59:32
Local clock offset: -5.236 ms
Remote clock offset: 7.105 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.109 ms
Loss rate: 0.00%
```
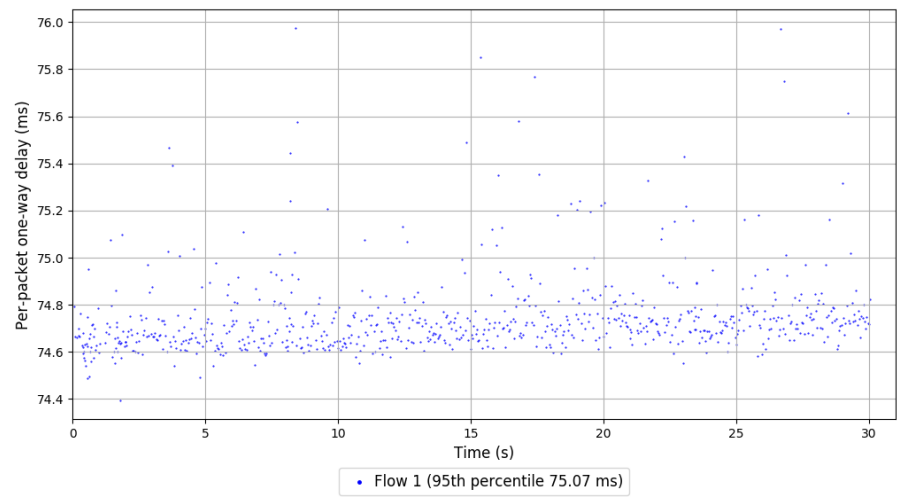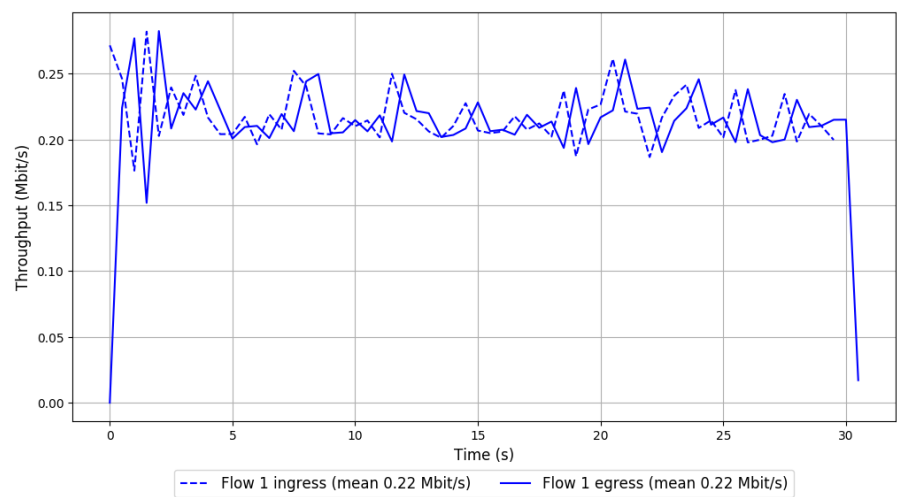
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-08-01 02:18:59
End at: 2018-08-01 02:19:29
Local clock offset: -6.288 ms
Remote clock offset: 5.574 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 74.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 74.491 ms
Loss rate: 0.00%
```
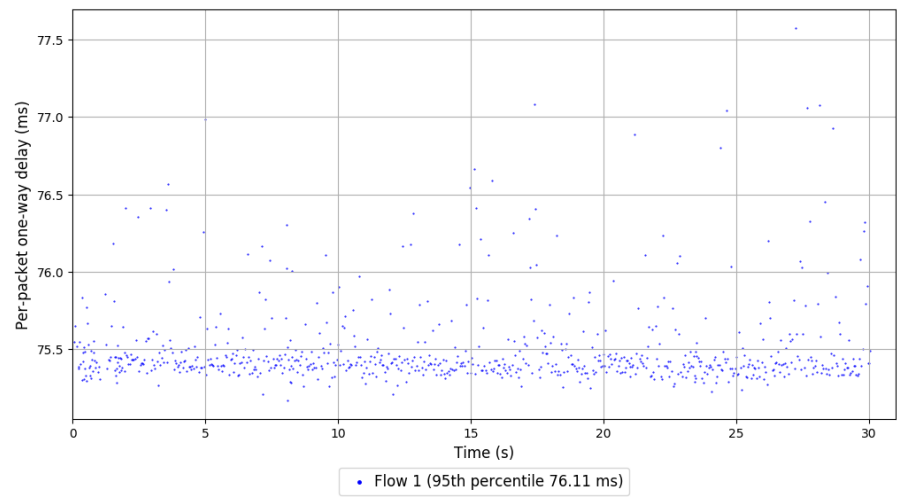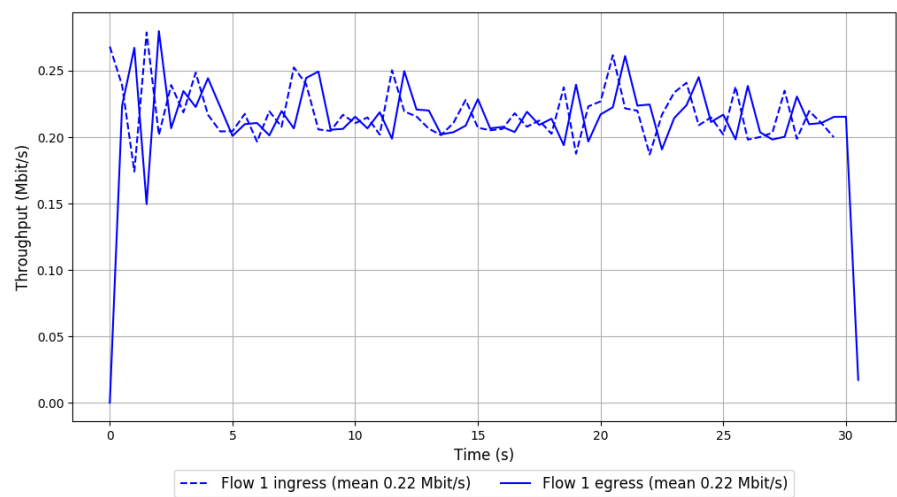
Run 7: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 74.49 ms)

```
Run 8: Statistics of SCReAM

Start at: 2018-08-01 02:38:55
End at: 2018-08-01 02:39:25
Local clock offset: -0.979 ms
Remote clock offset: 1.859 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 71.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 71.568 ms
Loss rate: 0.00%
```
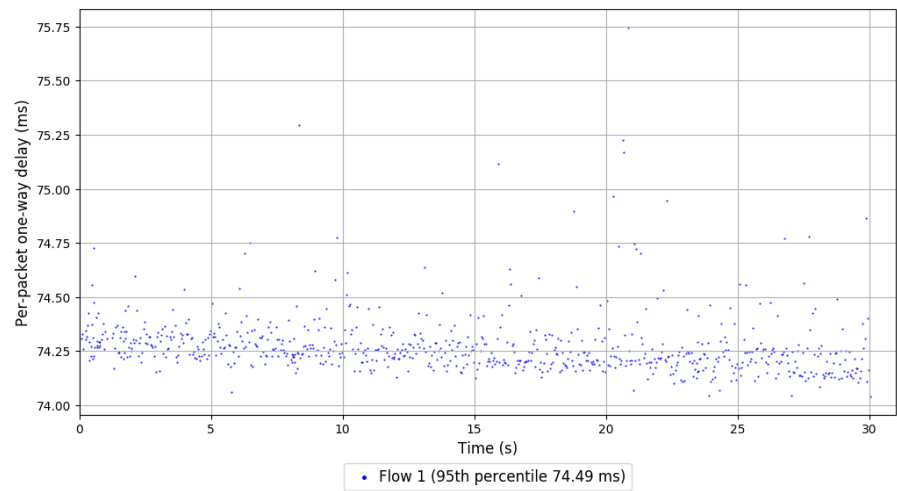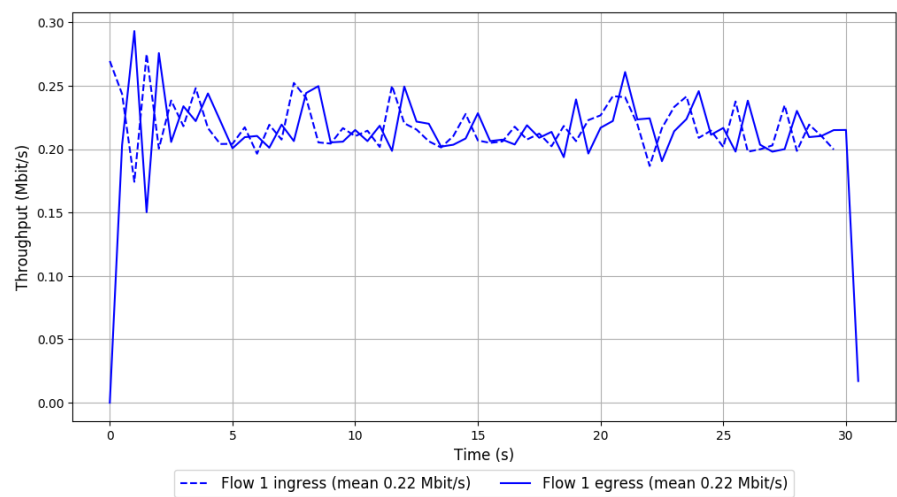
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2018-08-01 02:58:50
End at: 2018-08-01 02:59:20
Local clock offset: 0.992 ms
Remote clock offset: 7.688 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 75.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 75.435 ms
Loss rate: 0.00%
```
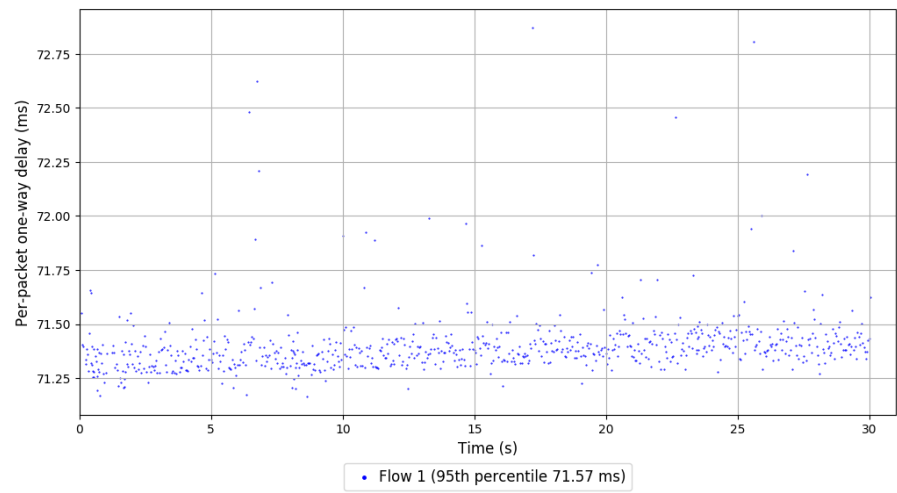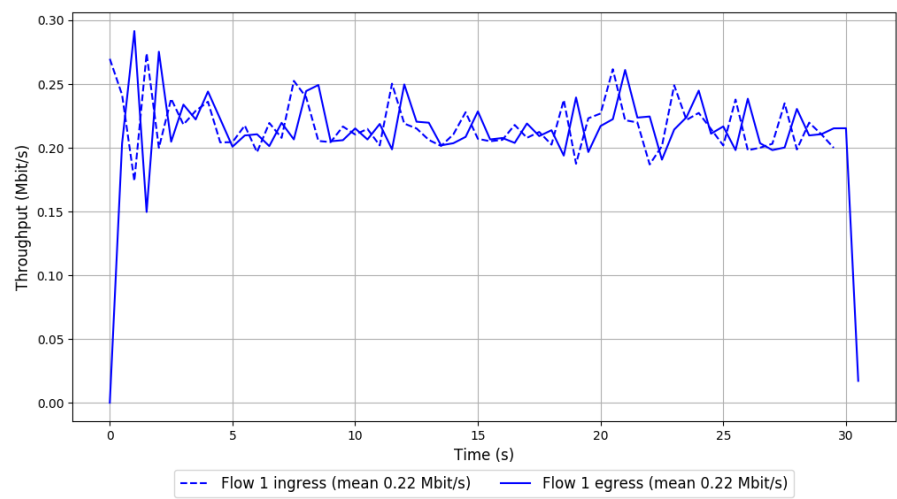
Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 75.44 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-08-01 03:18:46
End at: 2018-08-01 03:19:16
Local clock offset: 2.463 ms
Remote clock offset: 6.523 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 71.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 71.078 ms
Loss rate: 0.00%
```
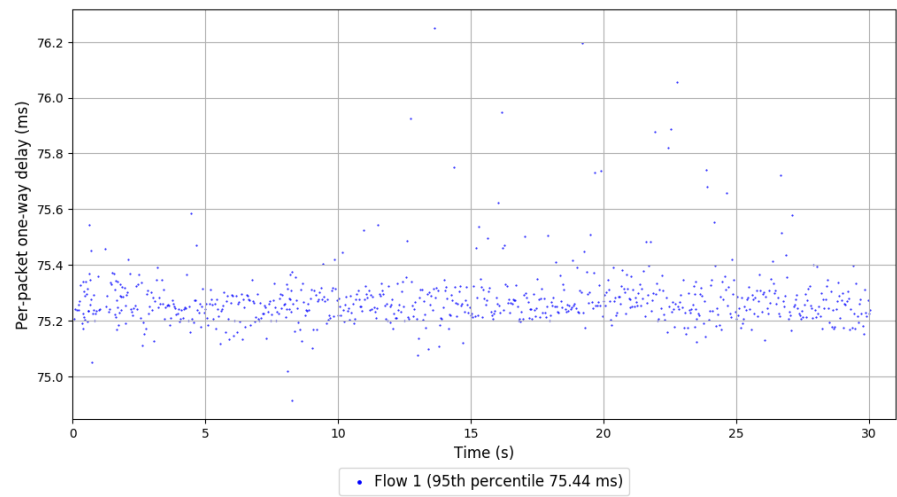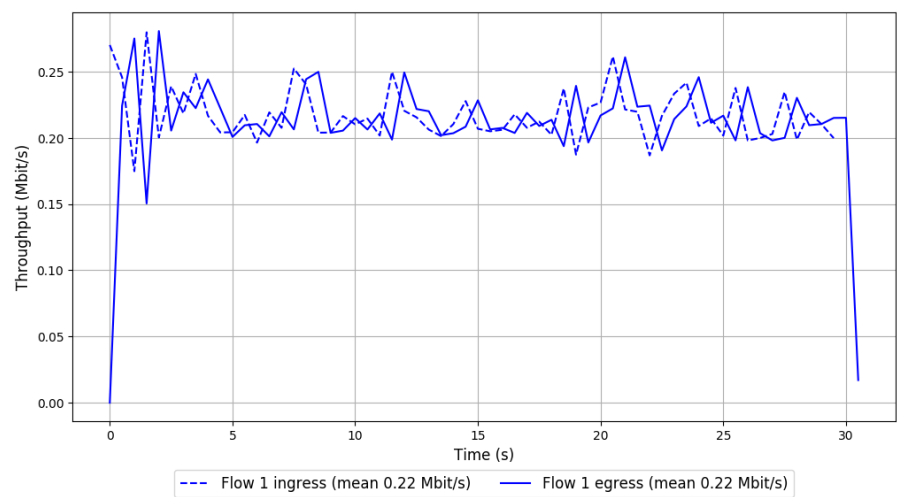
Run 10: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 71.08 ms)

```
Run 1: Statistics of Sprout

Start at: 2018-08-01 00:06:36
End at: 2018-08-01 00:07:06
Local clock offset: -1.583 ms
Remote clock offset: 12.499 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 76.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 76.263 ms
Loss rate: 0.00%
```
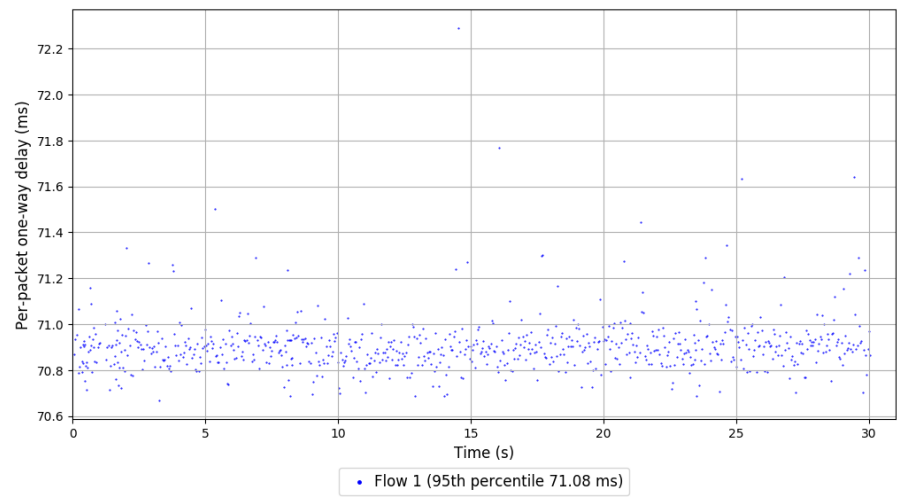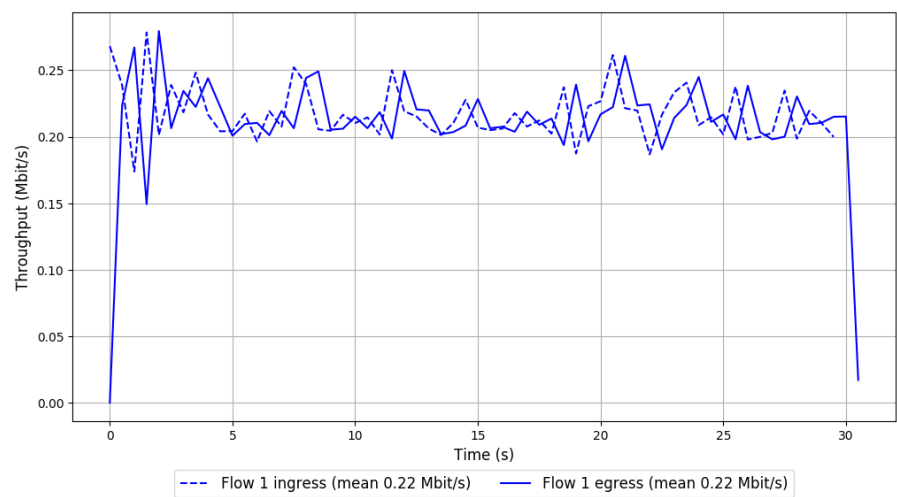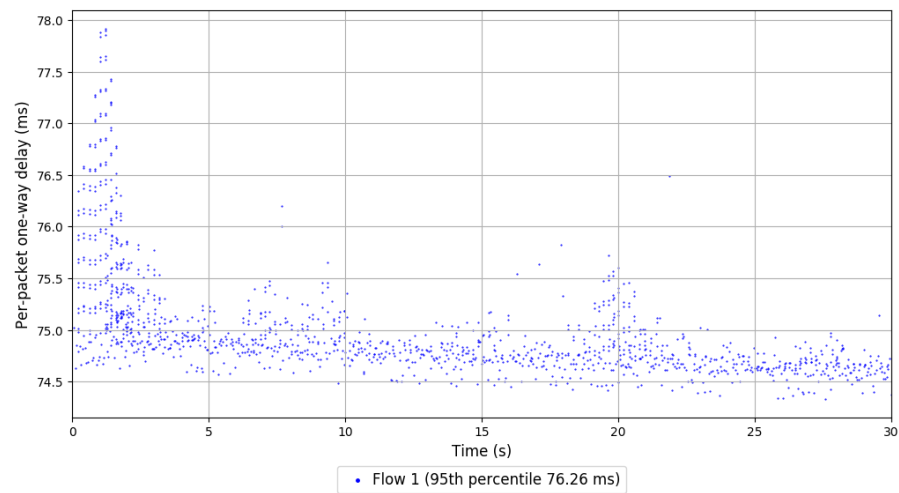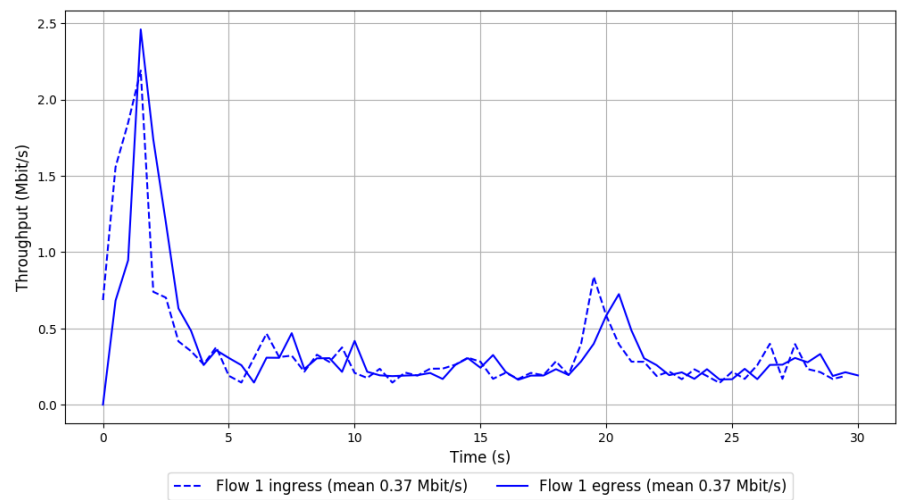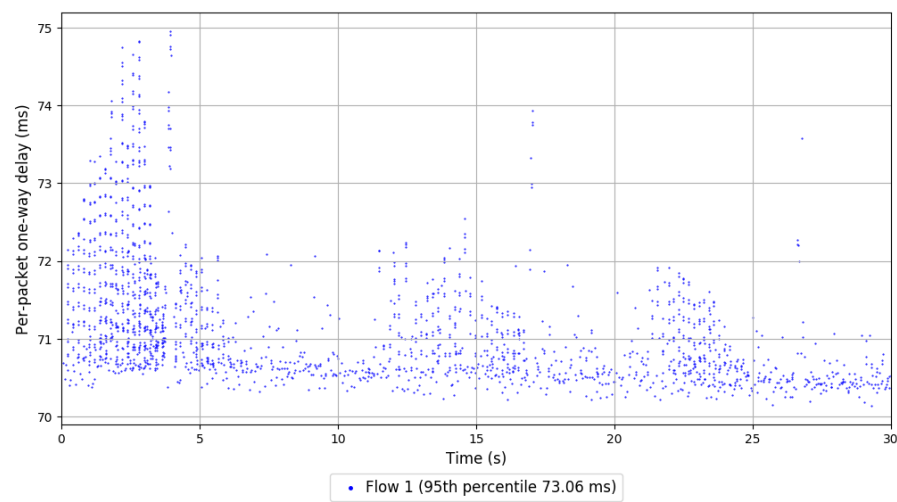
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-08-01 00:26:28
End at: 2018-08-01 00:26:58
Local clock offset: -1.79 ms
Remote clock offset: 14.123 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 73.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 73.059 ms
Loss rate: 0.00%
```
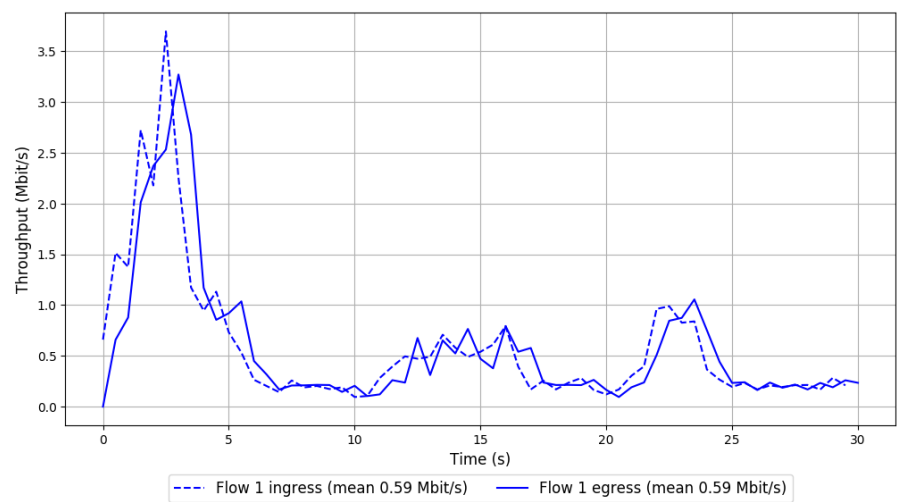
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2018-08-01 00:46:20
End at: 2018-08-01 00:46:51
Local clock offset: -3.564 ms
Remote clock offset: 22.723 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 77.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 77.917 ms
Loss rate: 0.00%
```
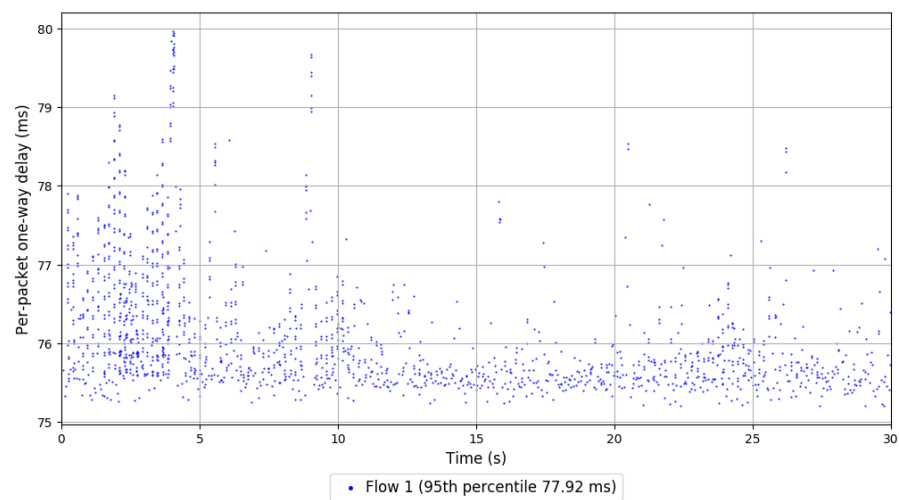
Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: 2018-08-01 01:06:16
End at: 2018-08-01 01:06:46
Local clock offset: -4.126 ms
Remote clock offset: 26.307 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 77.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 77.618 ms
Loss rate: 0.00%
```

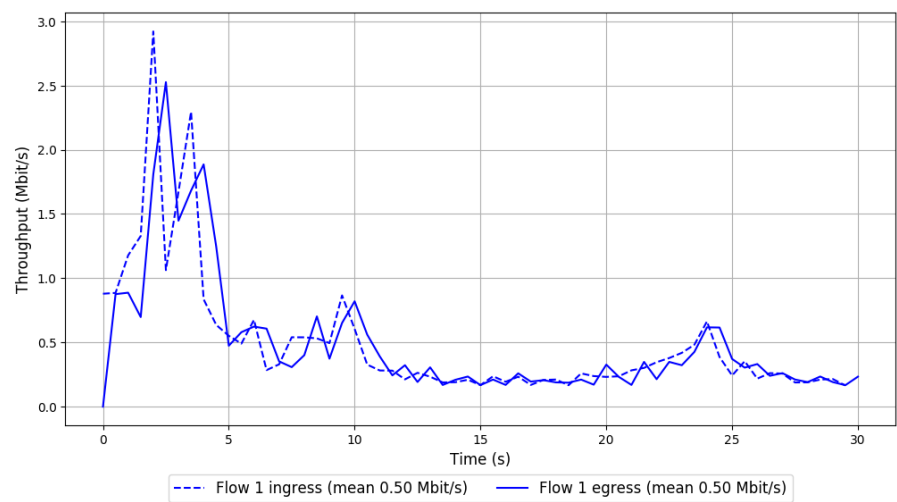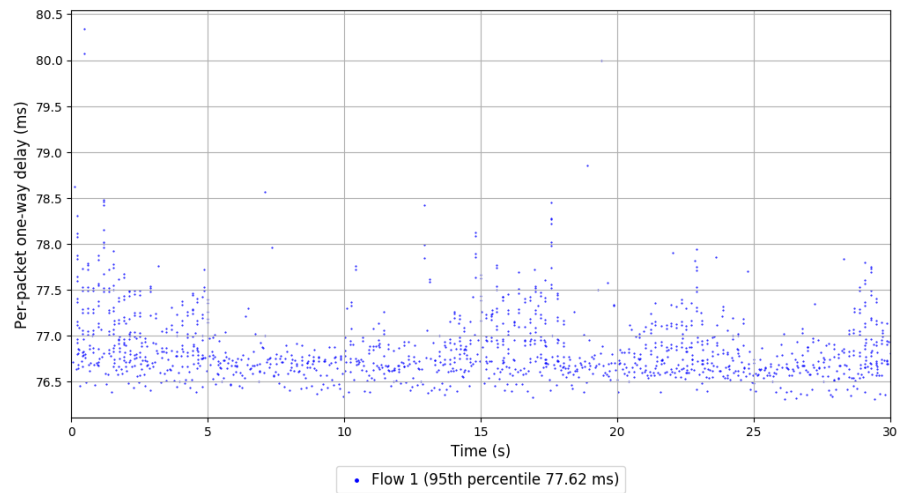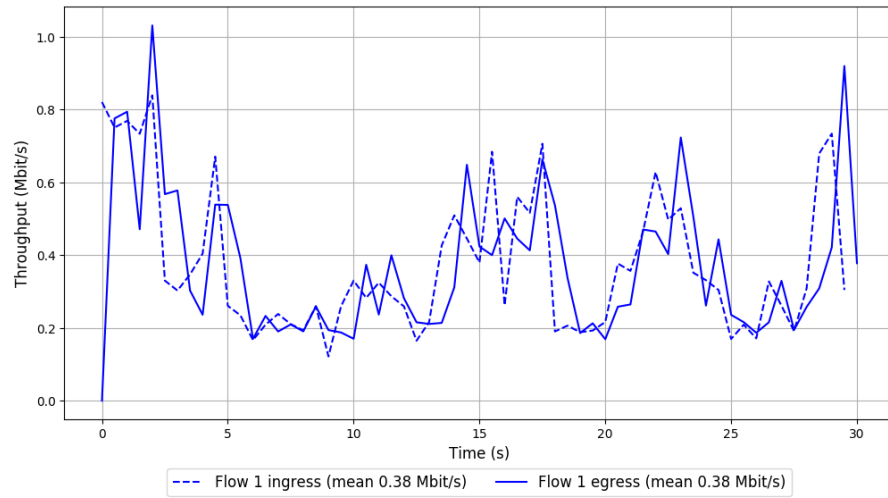Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2018-08-01 01:26:13
End at: 2018-08-01 01:26:43
Local clock offset: -4.018 ms
Remote clock offset: 8.161 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 82.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 82.195 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2018-08-01 01:46:04
End at: 2018-08-01 01:46:34
Local clock offset: -4.152 ms
Remote clock offset: 5.094 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 78.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 78.916 ms
Loss rate: 0.00%
```
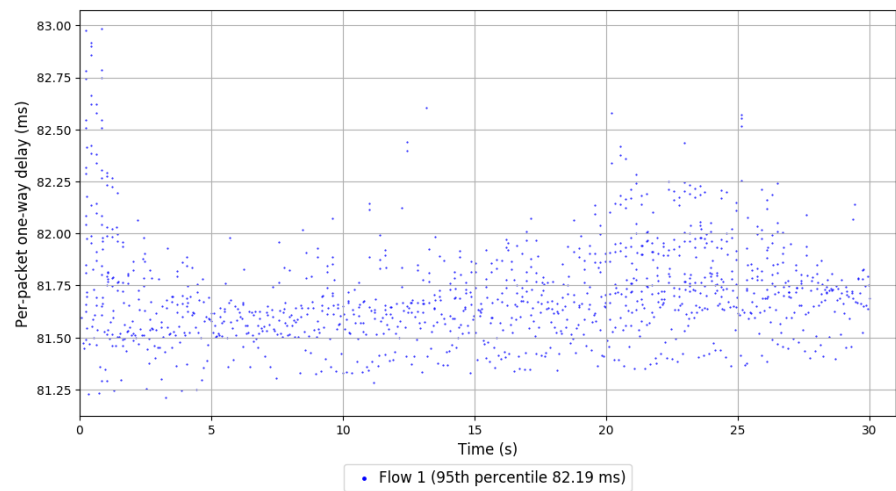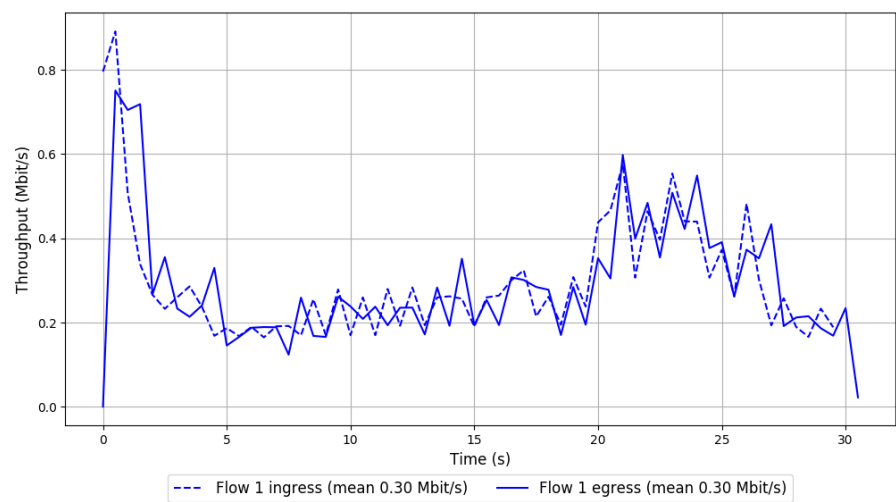
Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2018-08-01 02:06:04
End at: 2018-08-01 02:06:34
Local clock offset: -5.863 ms
Remote clock offset: 5.48 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 77.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 77.108 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2018-08-01 02:25:55
End at: 2018-08-01 02:26:25
Local clock offset: -4.59 ms
Remote clock offset: 2.629 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 77.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 77.510 ms
Loss rate: 0.00%
```
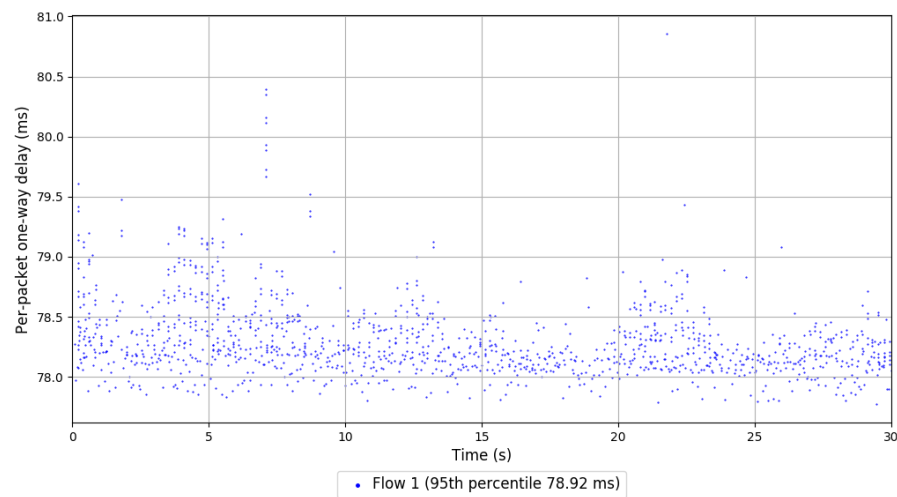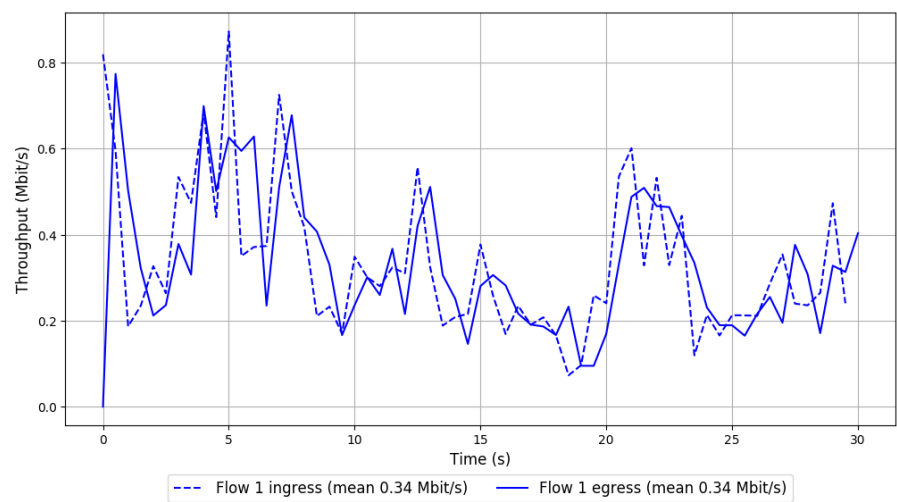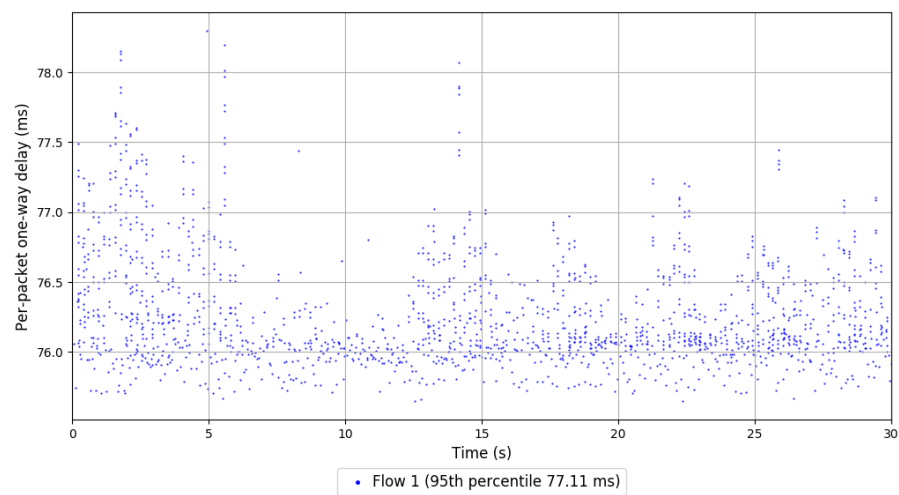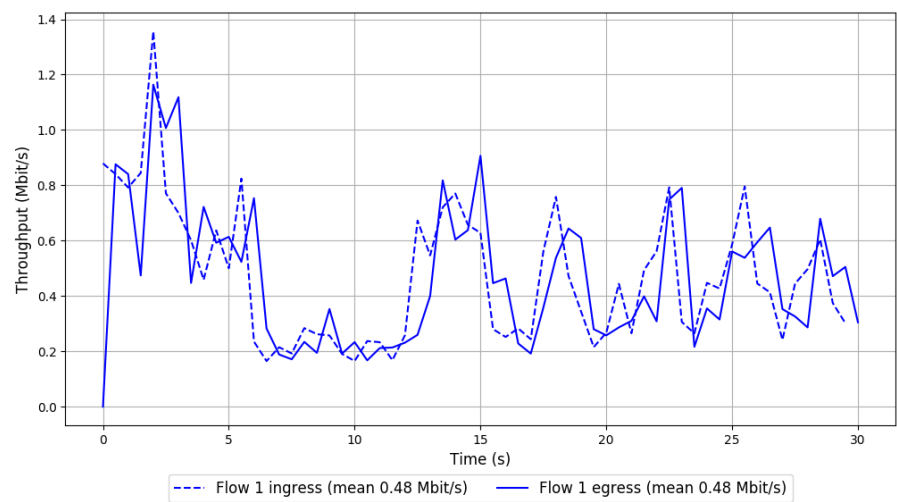
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-08-01 02:45:50
End at: 2018-08-01 02:46:20
Local clock offset: -0.09 ms
Remote clock offset: 1.654 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 74.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 74.167 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-08-01 03:05:46
End at: 2018-08-01 03:06:16
Local clock offset: 1.573 ms
Remote clock offset: 5.782 ms


# Below is generated by plot.py at 2018-08-01 03:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 73.798 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 73.798 ms
Loss rate: 0.00%
```
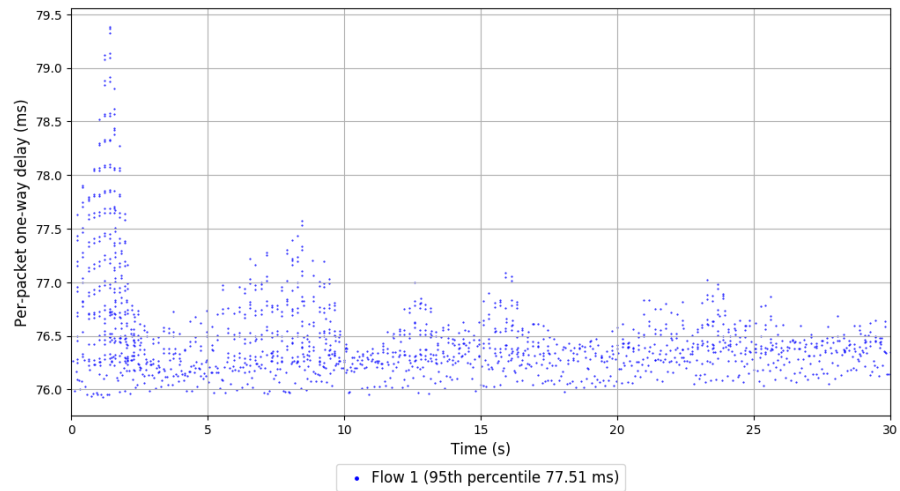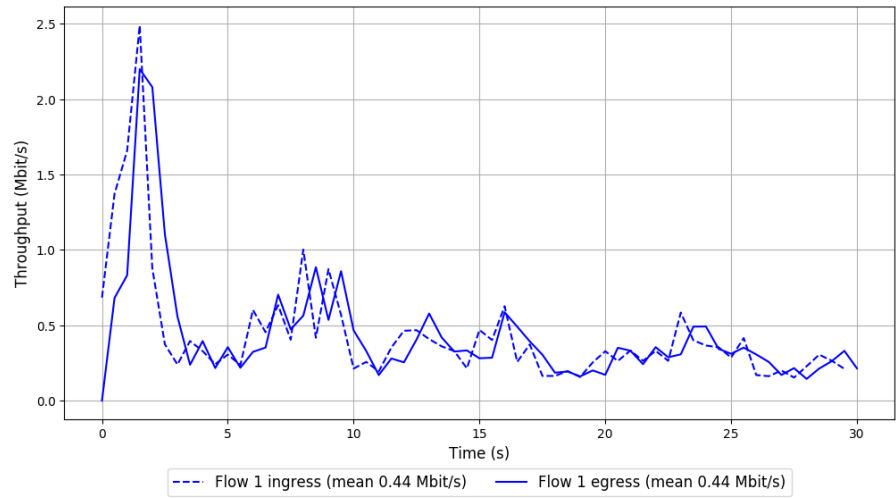
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 0.45 Mbit/s) ——— Flow 1 egress (mean 0.45 Mbit/s)

• Flow 1 (95th percentile 73.80 ms)

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

Start at: 2018-08-01 00:10:00
End at: 2018-08-01 00:10:30
Local clock offset: -1.458 ms
Remote clock offset: 13.572 ms


# Below is generated by plot.py at 2018-08-01 03:39:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 103.988 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 103.988 ms
Loss rate: 0.47%
```
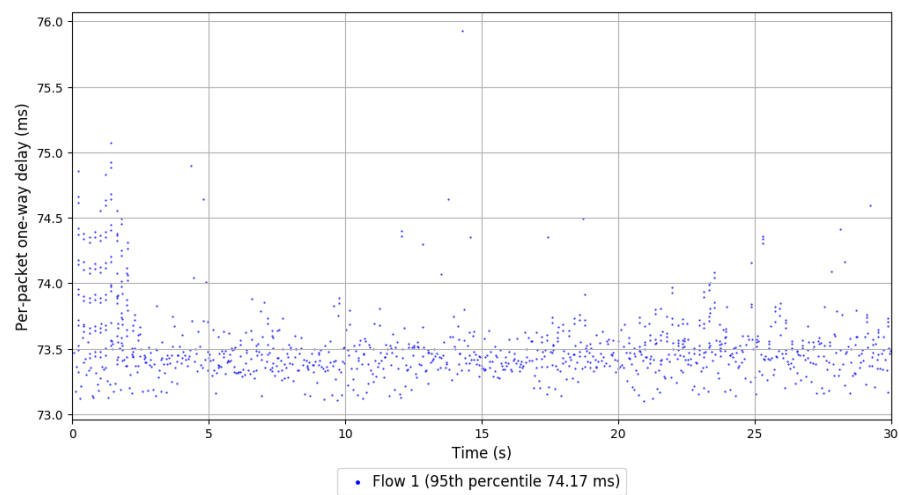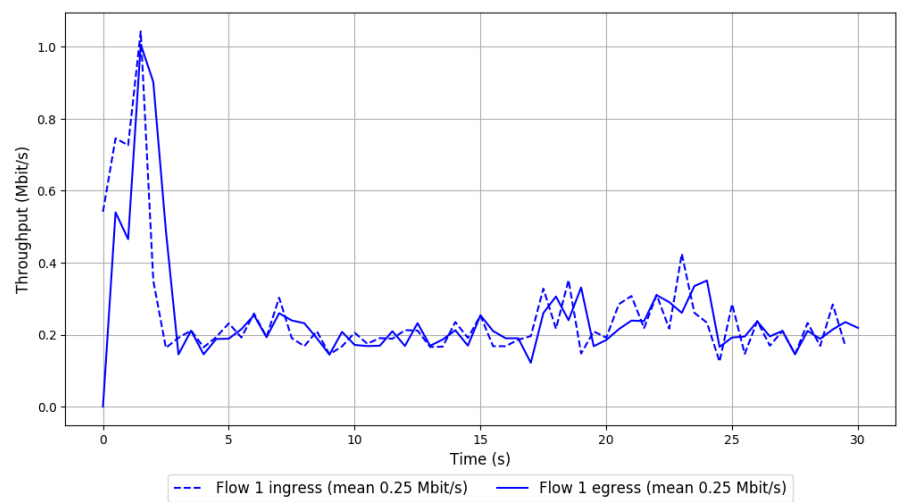
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 78.64 Mbit/s) ----- Flow 1 egress (mean 78.27 Mbit/s) ——

Flow 1 (95th percentile 103.99 ms)

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

Start at: 2018-08-01 00:29:53
End at: 2018-08-01 00:30:23
Local clock offset: -2.7 ms
Remote clock offset: 14.783 ms


# Below is generated by plot.py at 2018-08-01 03:39:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.71 Mbit/s
95th percentile per-packet one-way delay: 96.472 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 78.71 Mbit/s
95th percentile per-packet one-way delay: 96.472 ms
Loss rate: 0.40%
```
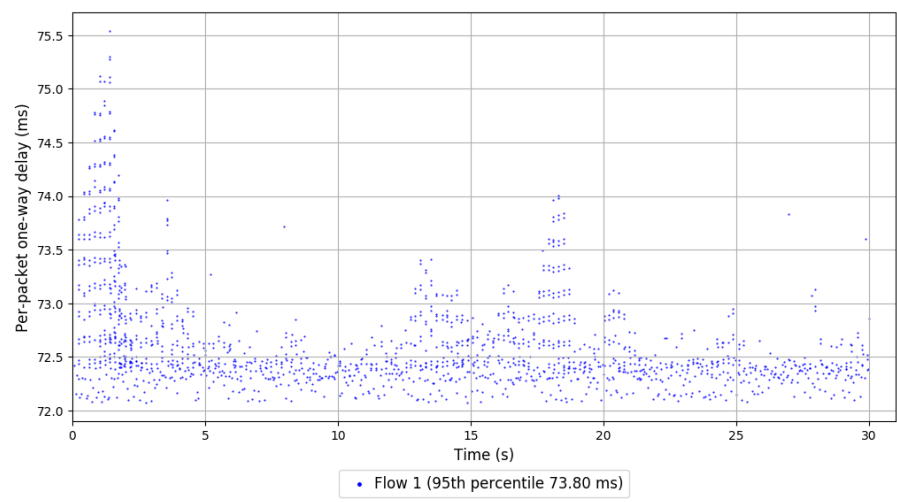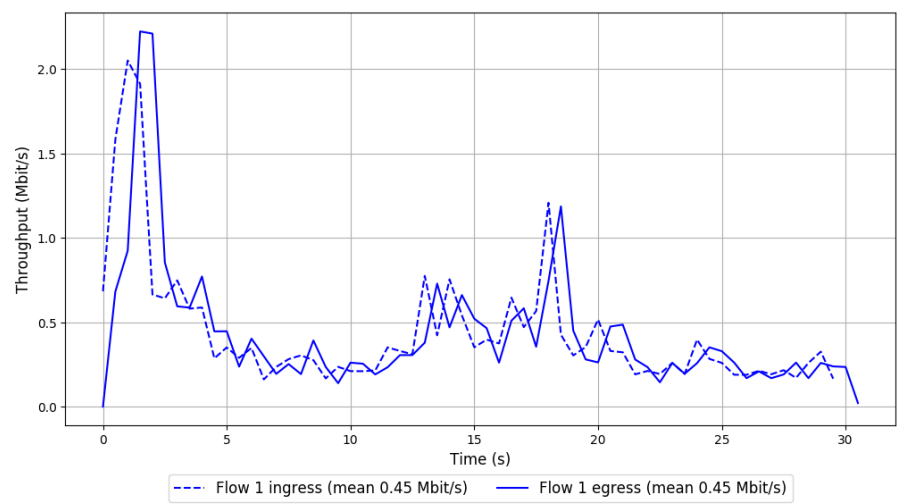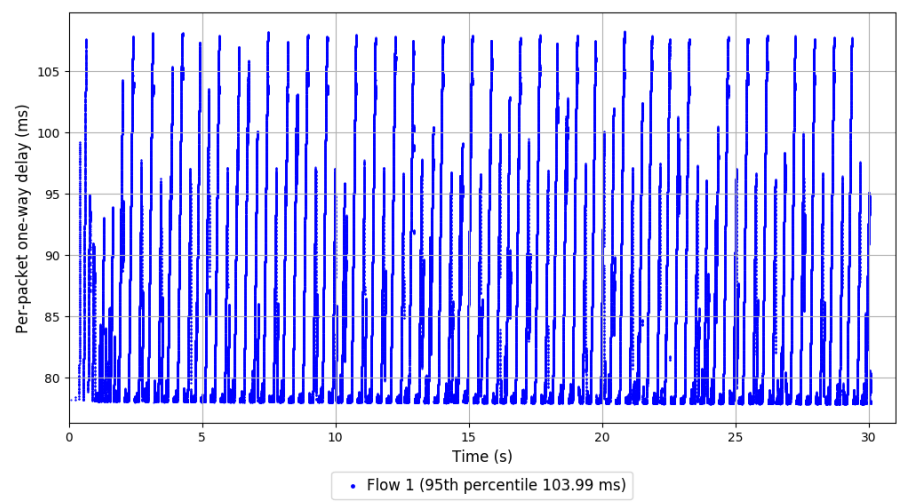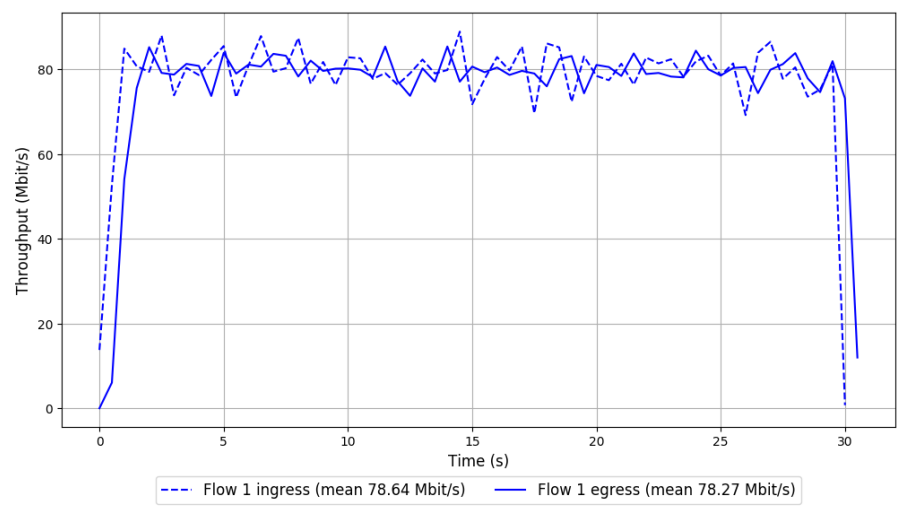
Run 2: Report of TaoVA-100x — Data Link

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

Start at: 2018-08-01 00:49:45
End at: 2018-08-01 00:50:15
Local clock offset: -3.454 ms
Remote clock offset: 18.492 ms


# Below is generated by plot.py at 2018-08-01 03:39:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.54 Mbit/s
95th percentile per-packet one-way delay: 94.568 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 79.54 Mbit/s
95th percentile per-packet one-way delay: 94.568 ms
Loss rate: 0.30%
```

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

Flow 1 ingress (mean 79.81 Mbit/s) ----- Flow 1 egress (mean 79.54 Mbit/s) ———

• Flow 1 (95th percentile 94.57 ms)

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

Start at: 2018-08-01 01:09:41
End at: 2018-08-01 01:10:11
Local clock offset: -4.048 ms
Remote clock offset: 22.887 ms


# Below is generated by plot.py at 2018-08-01 03:39:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 110.685 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 110.685 ms
Loss rate: 0.73%
```
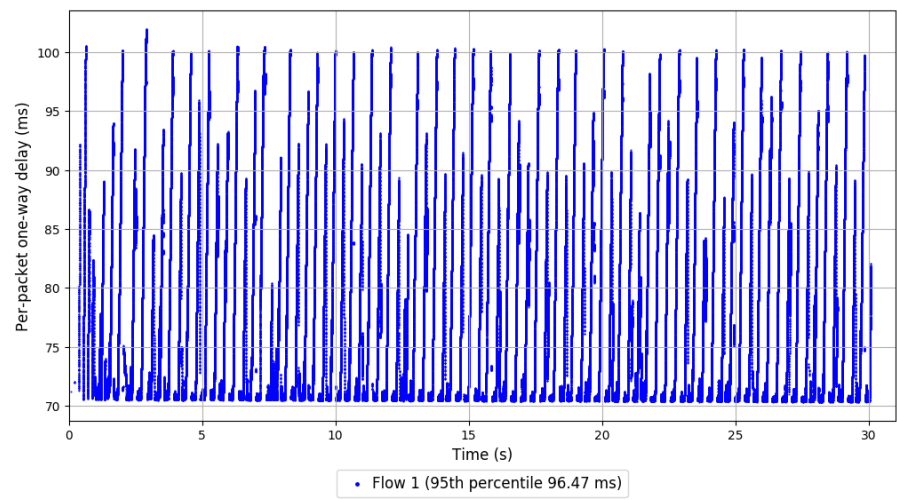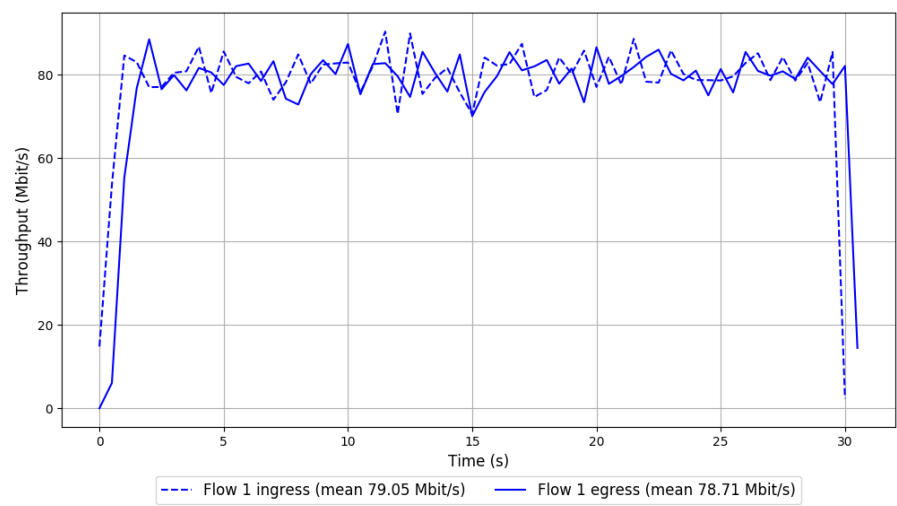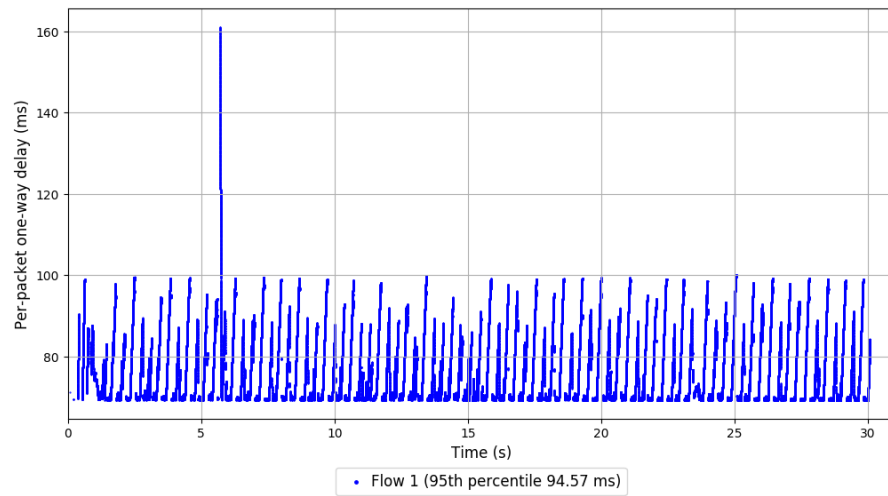
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 76.46 Mbit/s) — — — — Flow 1 egress (mean 75.83 Mbit/s)
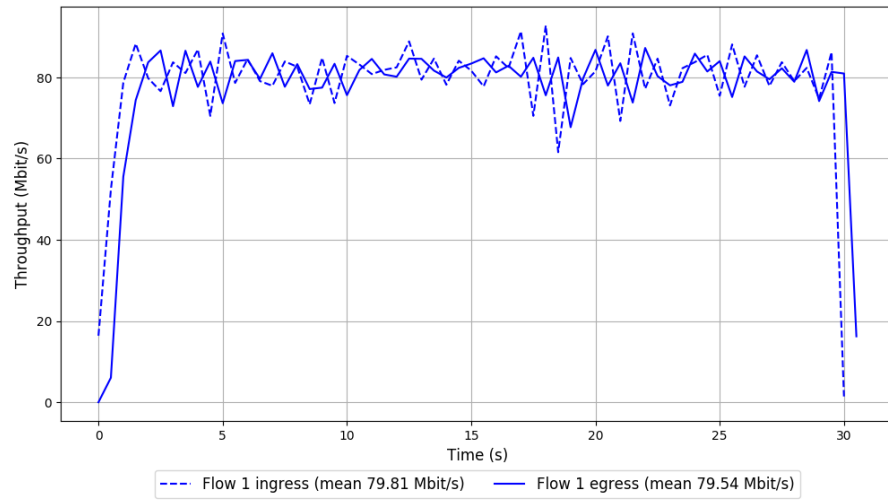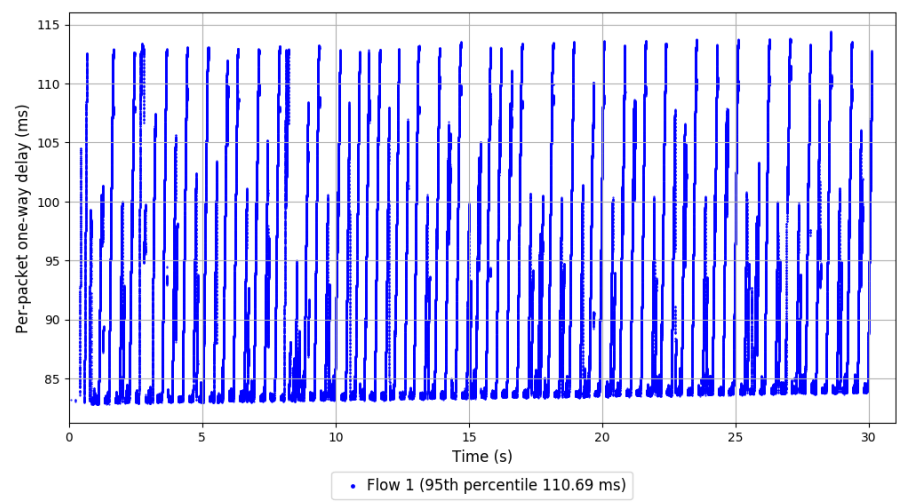

• Flow 1 (95th percentile 110.69 ms)

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

Start at: 2018-08-01 01:29:38
End at: 2018-08-01 01:30:08
Local clock offset: -4.201 ms
Remote clock offset: 3.504 ms


# Below is generated by plot.py at 2018-08-01 03:39:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 101.337 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 101.337 ms
Loss rate: 0.54%
```

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

Flow 1 ingress (mean 78.32 Mbit/s)   Flow 1 egress (mean 77.83 Mbit/s)
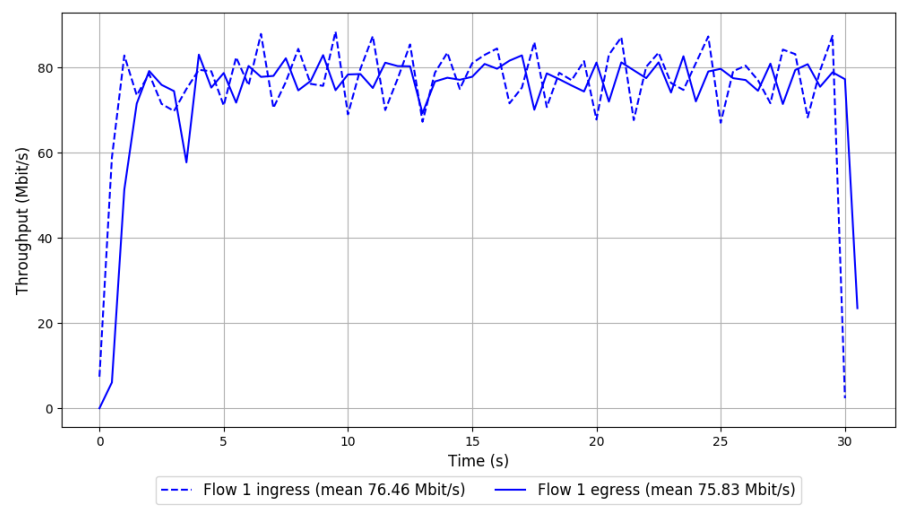

• Flow 1 (95th percentile 101.34 ms)

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

Start at: 2018-08-01 01:49:28
End at: 2018-08-01 01:49:58
Local clock offset: -4.076 ms
Remote clock offset: 0.907 ms


# Below is generated by plot.py at 2018-08-01 03:39:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.21 Mbit/s
95th percentile per-packet one-way delay: 103.130 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 77.21 Mbit/s
95th percentile per-packet one-way delay: 103.130 ms
Loss rate: 0.52%
```
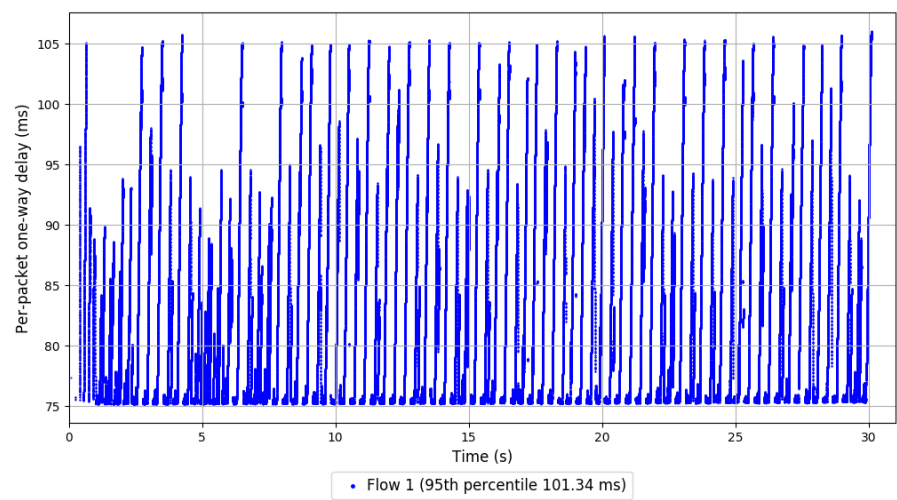
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 77.67 Mbit/s)   —— Flow 1 egress (mean 77.21 Mbit/s)

• Flow 1 (95th percentile 103.13 ms)

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

Start at: 2018-08-01 02:09:28
End at: 2018-08-01 02:09:58
Local clock offset: -6.022 ms
Remote clock offset: 1.568 ms


# Below is generated by plot.py at 2018-08-01 03:39:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 104.429 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 104.429 ms
Loss rate: 0.60%
```
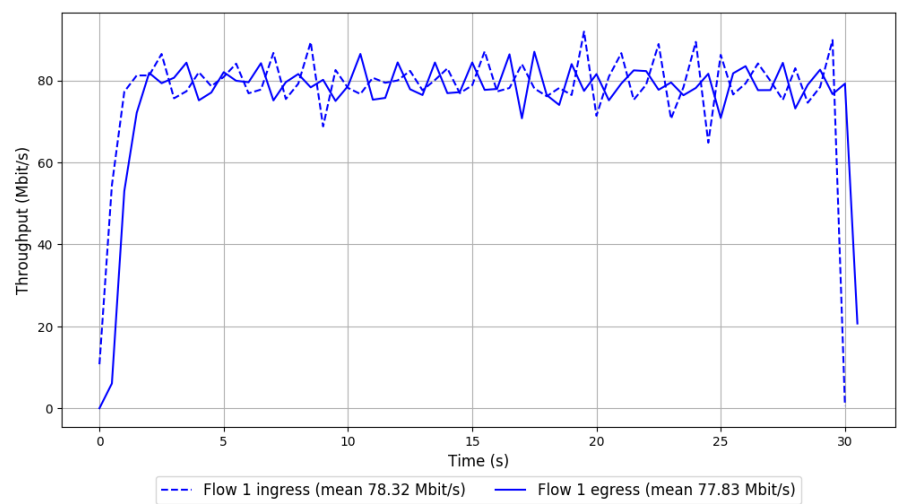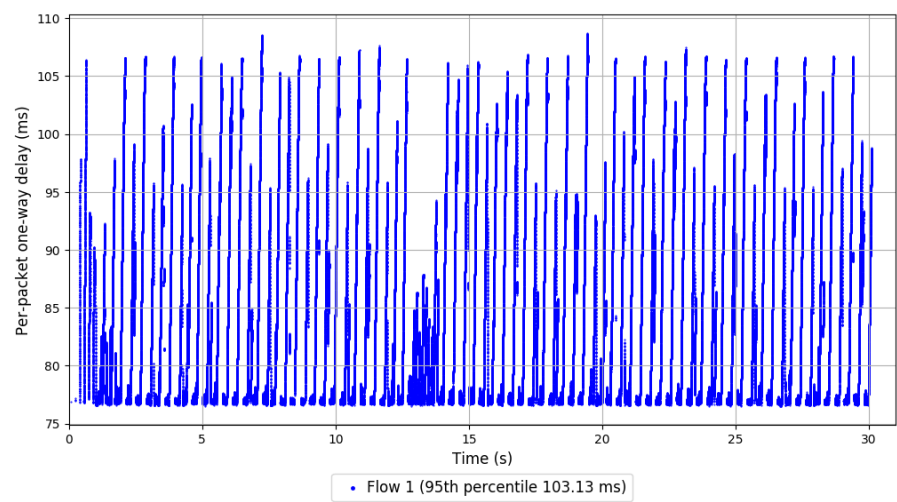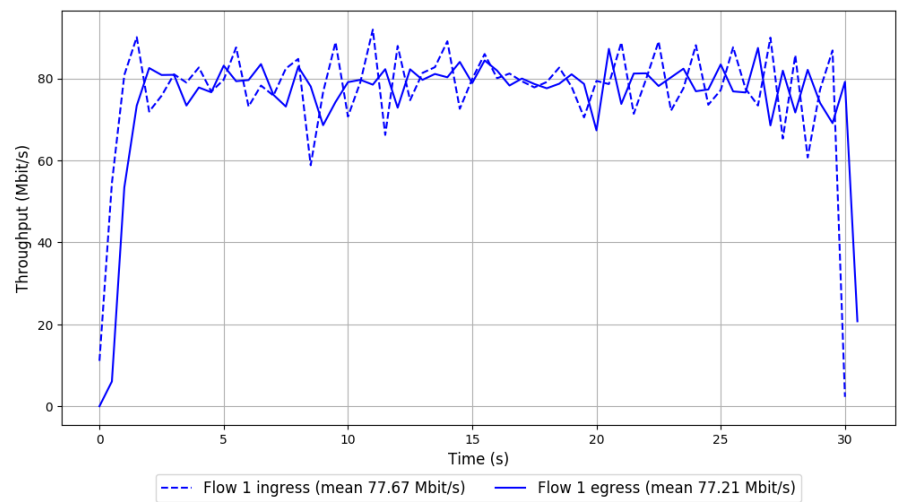
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 77.21 Mbit/s) ----- Flow 1 egress (mean 76.75 Mbit/s) ———

• Flow 1 (95th percentile 104.43 ms)

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

Start at: 2018-08-01 02:29:20
End at: 2018-08-01 02:29:50
Local clock offset: -3.257 ms
Remote clock offset: 5.482 ms


# Below is generated by plot.py at 2018-08-01 03:39:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 101.723 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 101.723 ms
Loss rate: 0.49%
```
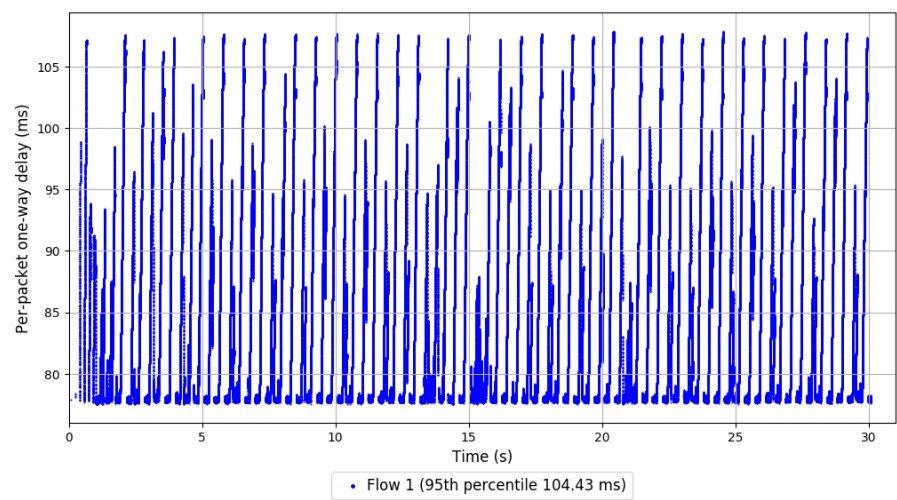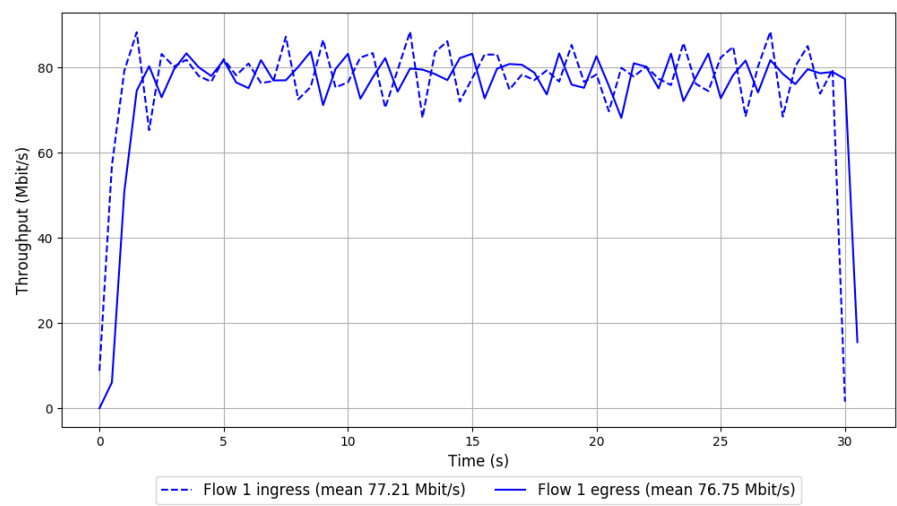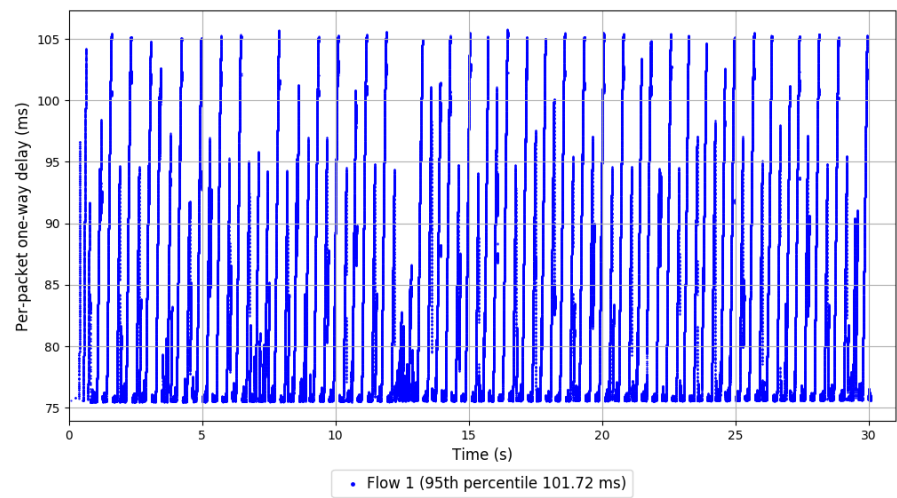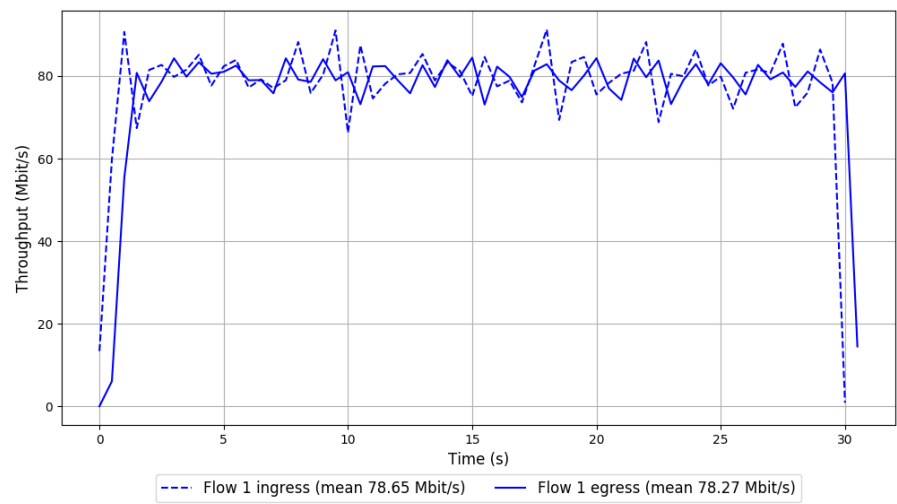
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 78.65 Mbit/s)   Flow 1 egress (mean 78.27 Mbit/s)

• Flow 1 (95th percentile 101.72 ms)

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

Start at: 2018-08-01 02:49:15
End at: 2018-08-01 02:49:45
Local clock offset: 0.195 ms
Remote clock offset: 7.666 ms


# Below is generated by plot.py at 2018-08-01 03:41:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.89 Mbit/s
95th percentile per-packet one-way delay: 105.525 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 77.89 Mbit/s
95th percentile per-packet one-way delay: 105.525 ms
Loss rate: 0.48%
```
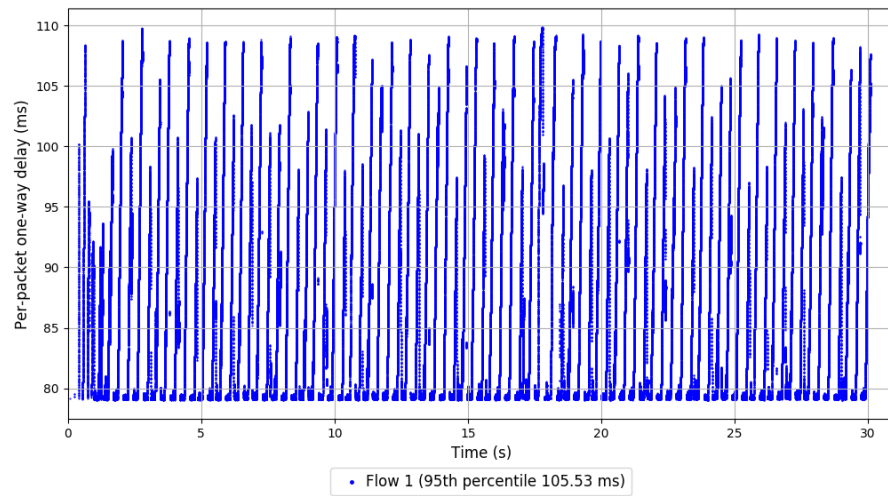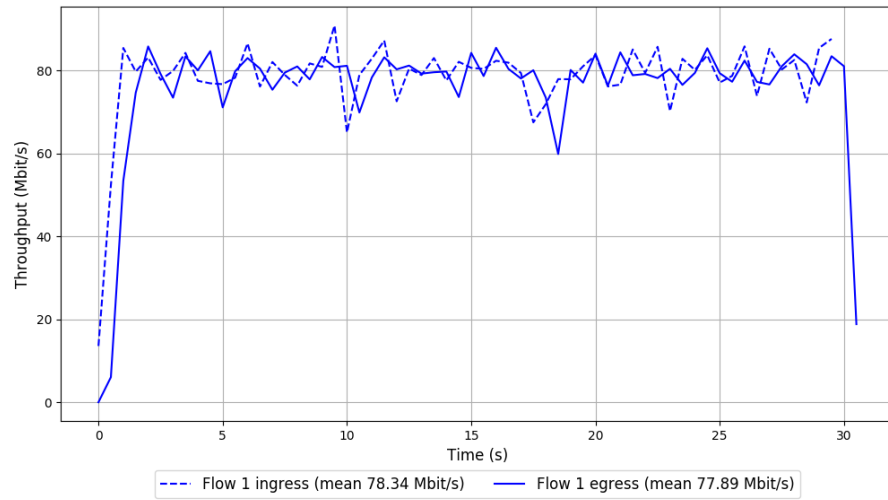
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 78.34 Mbit/s) ----- Flow 1 egress (mean 77.89 Mbit/s)

Flow 1 (95th percentile 105.53 ms)

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

Start at: 2018-08-01 03:09:10
End at: 2018-08-01 03:09:40
Local clock offset: 1.798 ms
Remote clock offset: 6.065 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 96.316 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 96.316 ms
Loss rate: 0.35%
```
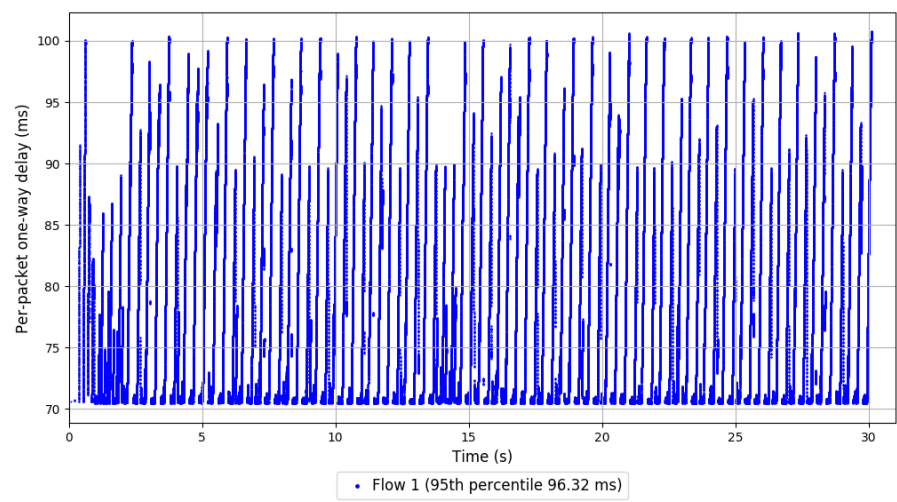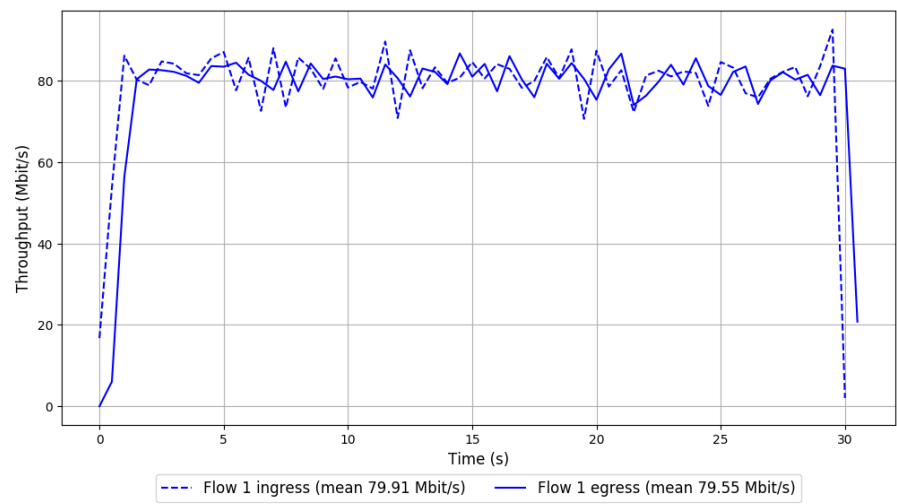
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 79.91 Mbit/s)   Flow 1 egress (mean 79.55 Mbit/s)

Flow 1 (95th percentile 96.32 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 00:03:09
End at: 2018-08-01 00:03:39
Local clock offset: -1.519 ms
Remote clock offset: 8.824 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 78.922 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 78.922 ms
Loss rate: 0.26%
```
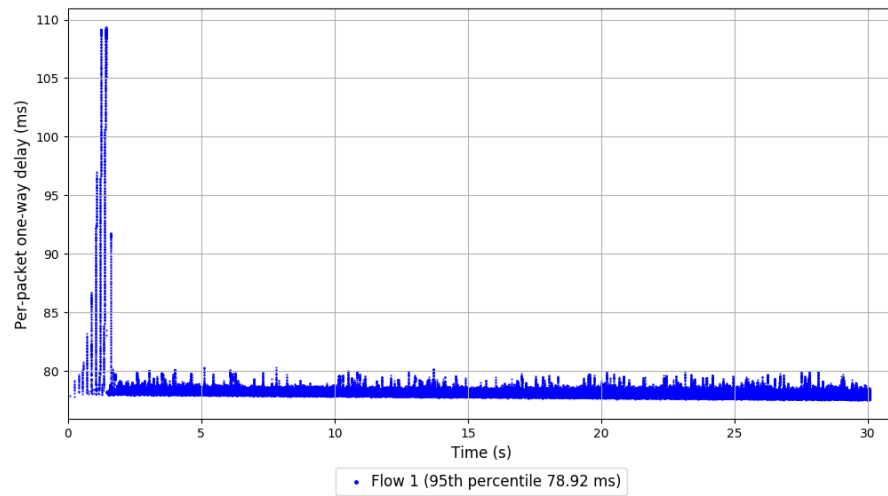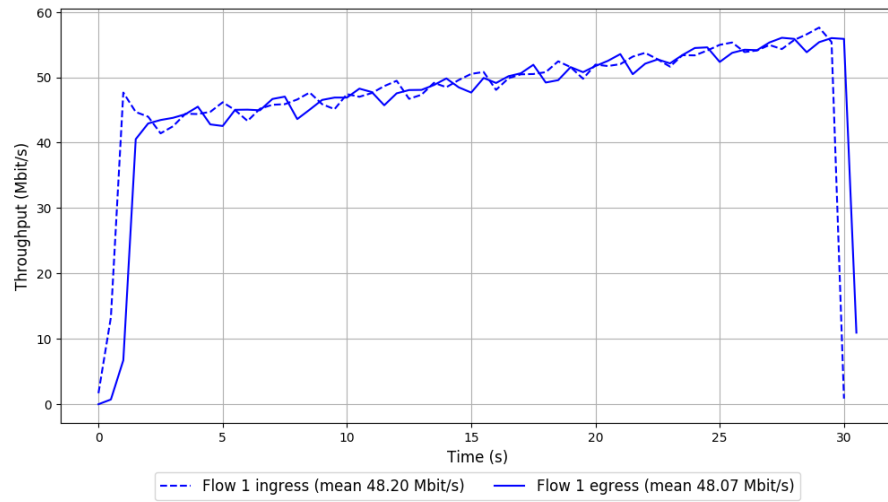
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 00:23:01
End at: 2018-08-01 00:23:31
Local clock offset: -0.227 ms
Remote clock offset: 14.387 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 75.094 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 75.094 ms
Loss rate: 0.26%
```
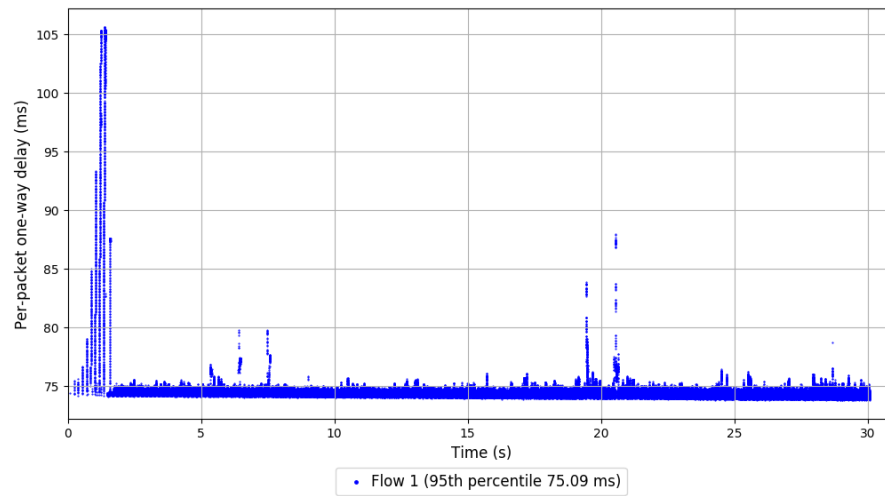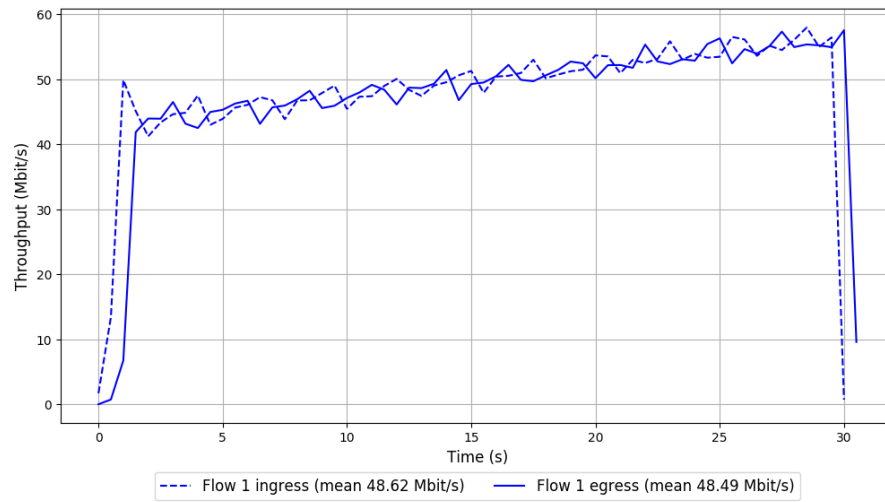
Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 48.62 Mbit/s) Flow 1 egress (mean 48.49 Mbit/s)
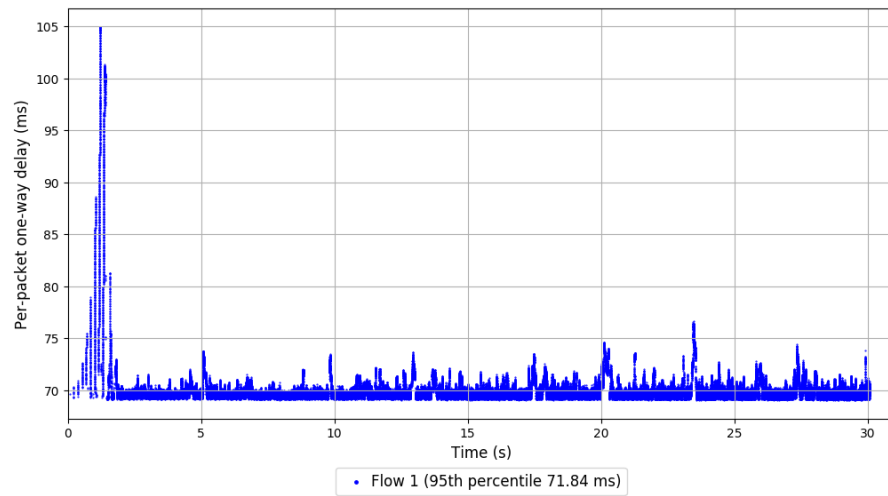

Flow 1 (95th percentile 75.09 ms)

```
Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 00:42:54
End at: 2018-08-01 00:43:24
Local clock offset: -3.676 ms
Remote clock offset: 17.372 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 71.841 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 71.841 ms
Loss rate: 0.26%
```
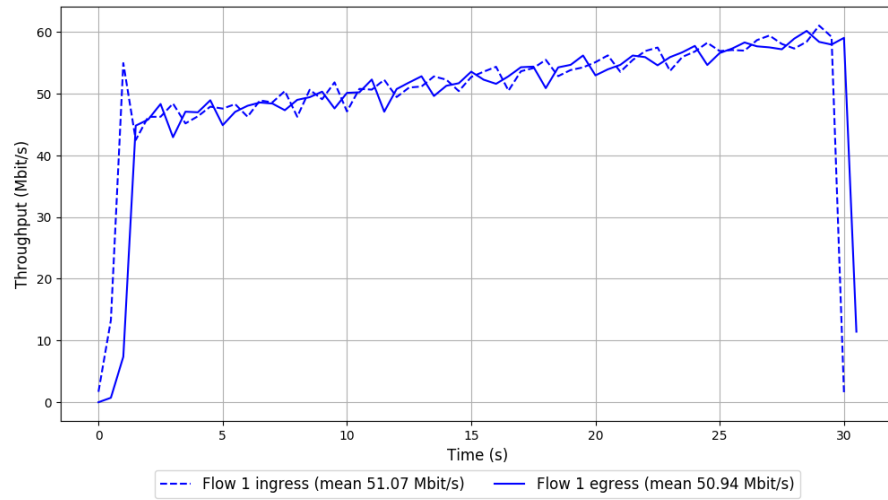
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 51.07 Mbit/s) -----   Flow 1 egress (mean 50.94 Mbit/s)
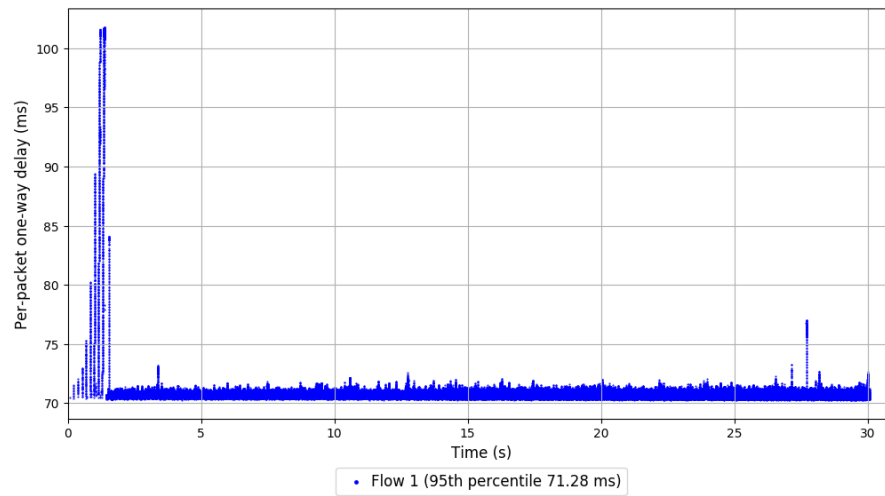

Flow 1 (95th percentile 71.84 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 01:02:50
End at: 2018-08-01 01:03:20
Local clock offset: -4.044 ms
Remote clock offset: 22.005 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 71.281 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 71.281 ms
Loss rate: 0.24%
```
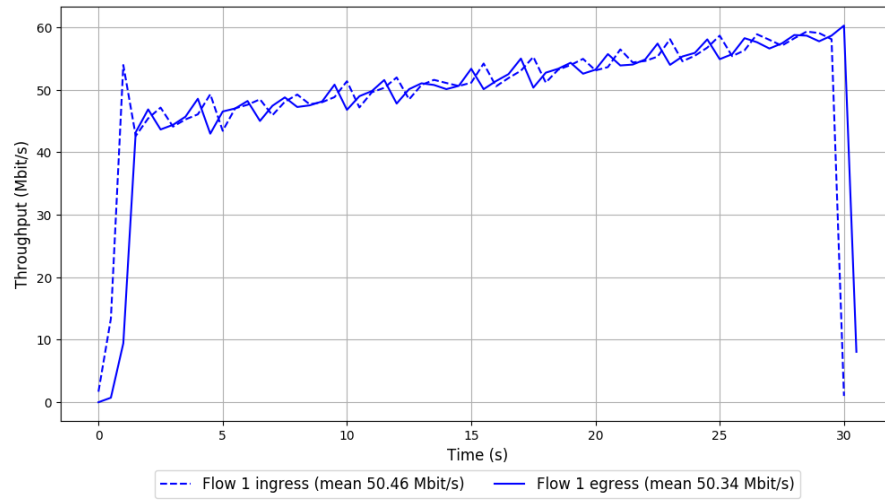
Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 50.46 Mbit/s)   Flow 1 egress (mean 50.34 Mbit/s)
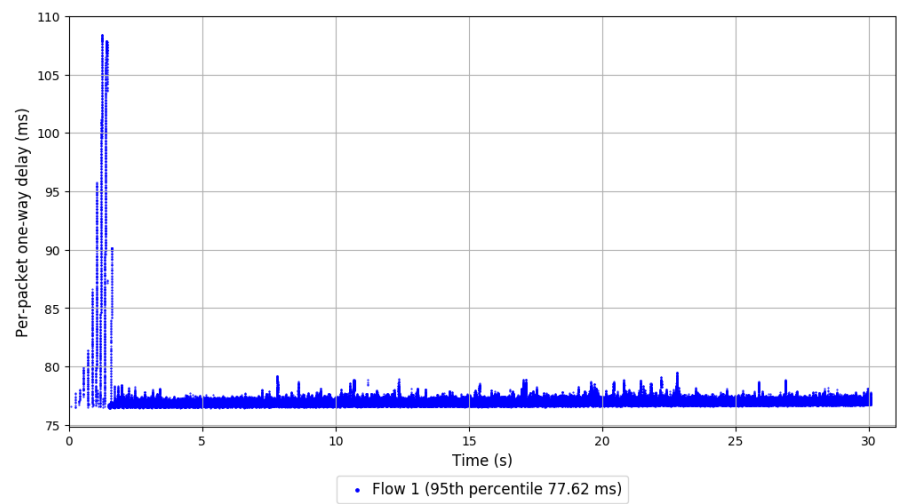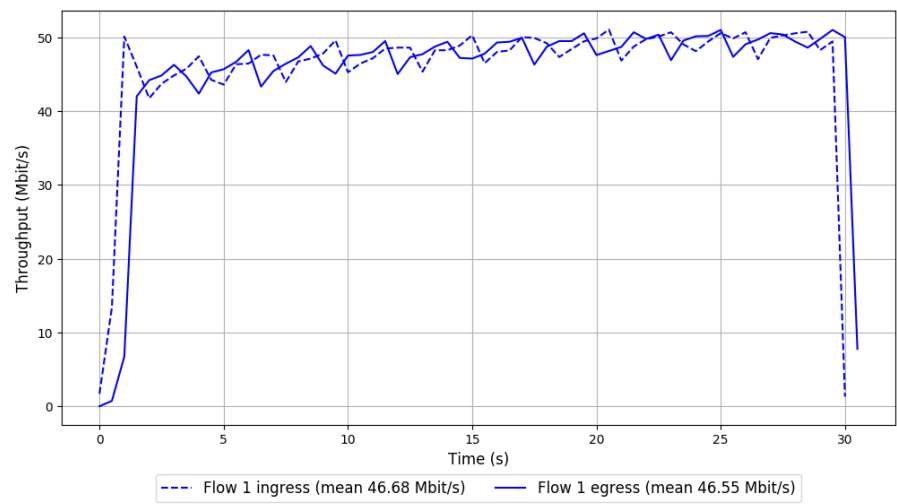

Flow 1 (95th percentile 71.28 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 01:22:46
End at: 2018-08-01 01:23:16
Local clock offset: -3.632 ms
Remote clock offset: 10.085 ms

# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 77.616 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 77.616 ms
Loss rate: 0.27%
```

Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 01:42:38
End at: 2018-08-01 01:43:08
Local clock offset: -4.21 ms
Remote clock offset: 3.551 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 76.424 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 76.424 ms
Loss rate: 0.30%
```
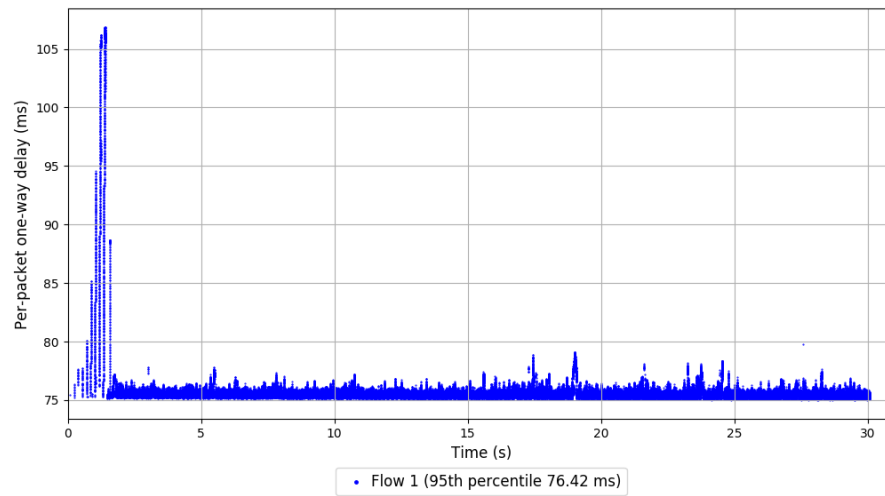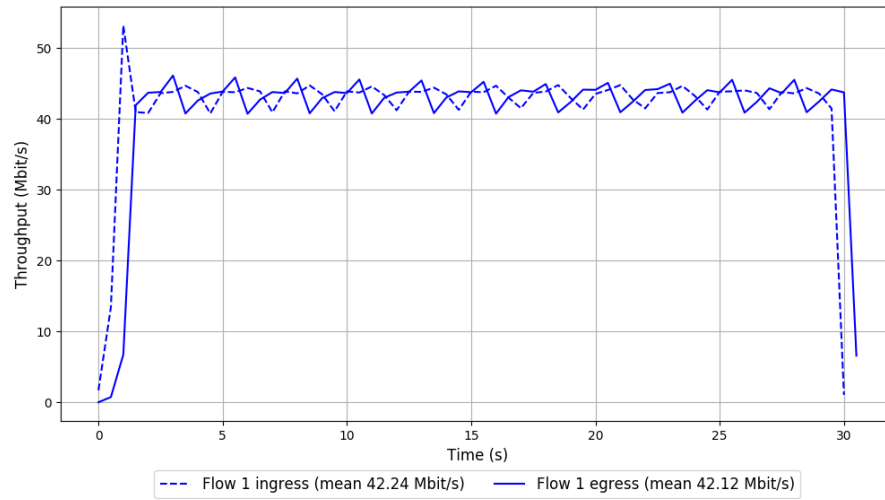
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 02:02:37
End at: 2018-08-01 02:03:07
Local clock offset: -5.594 ms
Remote clock offset: 5.837 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 75.168 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 75.168 ms
Loss rate: 0.27%
```

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 45.87 Mbit/s) ——— Flow 1 egress (mean 45.75 Mbit/s)

Flow 1 (95th percentile 75.17 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 02:22:29
End at: 2018-08-01 02:22:59
Local clock offset: -6.32 ms
Remote clock offset: 5.567 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.65 Mbit/s
95th percentile per-packet one-way delay: 76.688 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 48.65 Mbit/s
95th percentile per-packet one-way delay: 76.688 ms
Loss rate: 0.25%
```
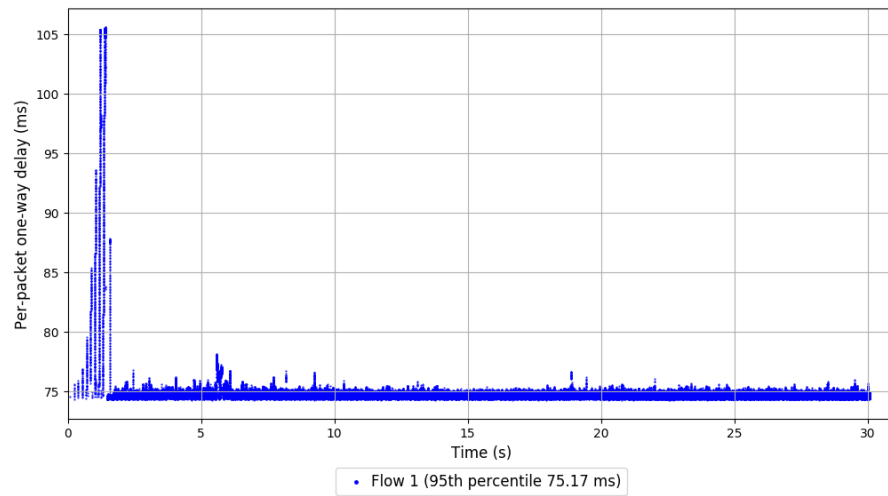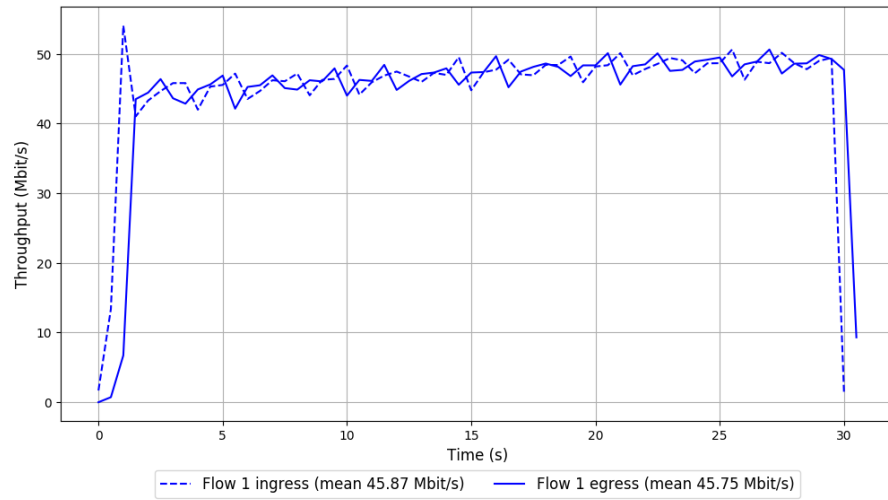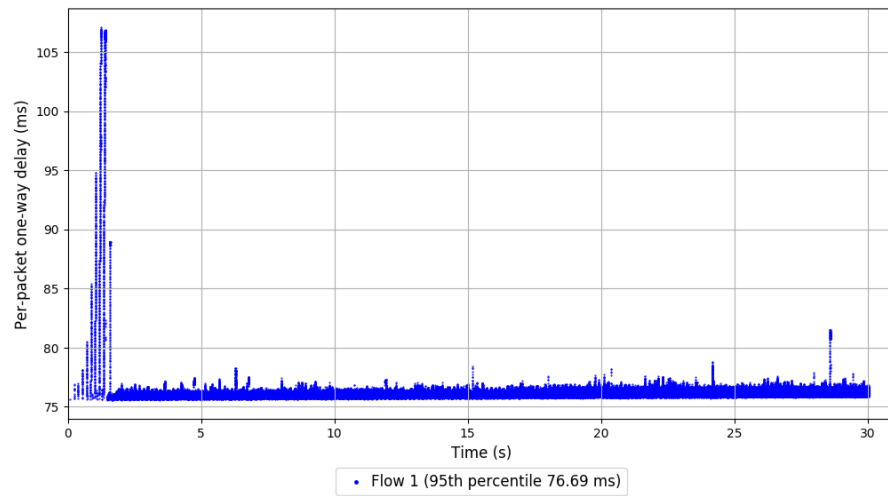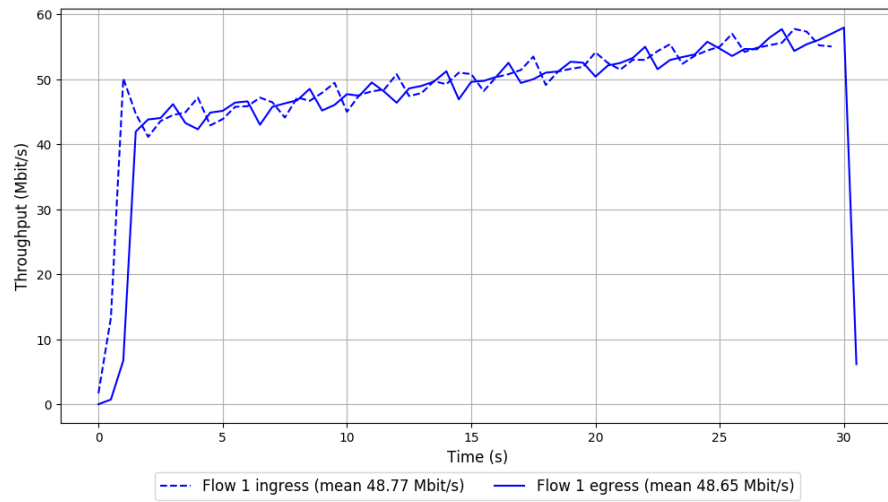
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 48.77 Mbit/s) — — — Flow 1 egress (mean 48.65 Mbit/s)

Flow 1 (95th percentile 76.69 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 02:42:24
End at: 2018-08-01 02:42:54
Local clock offset: -0.586 ms
Remote clock offset: 5.224 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 79.085 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 79.085 ms
Loss rate: 0.66%
```
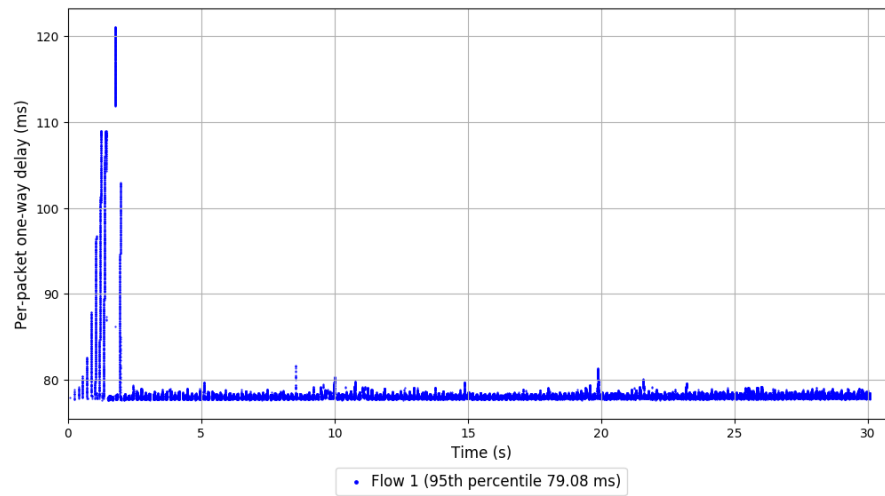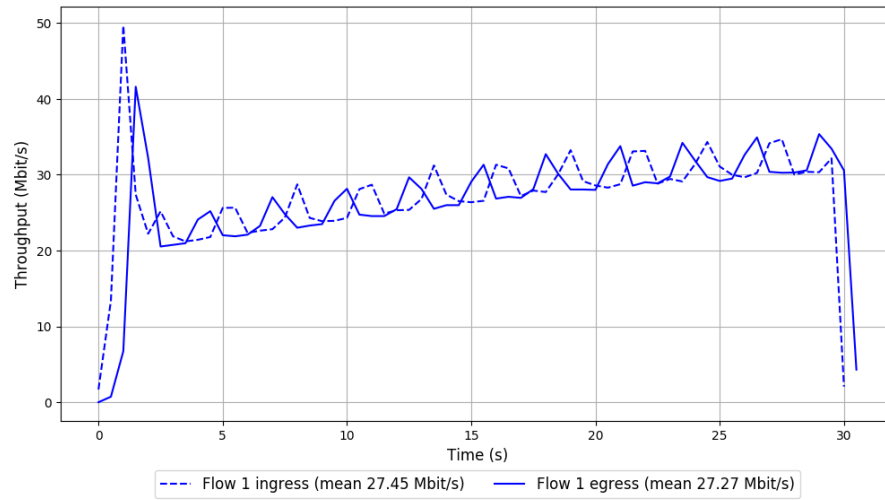
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 27.45 Mbit/s) ----- Flow 1 egress (mean 27.27 Mbit/s)

Flow 1 (95th percentile 79.08 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 03:02:19
End at: 2018-08-01 03:02:49
Local clock offset: 1.307 ms
Remote clock offset: 4.337 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 72.160 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 72.160 ms
Loss rate: 0.25%
```
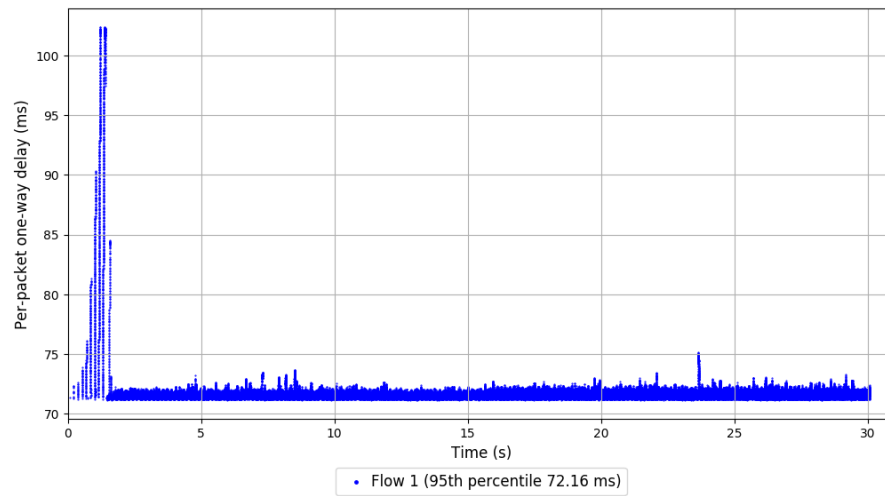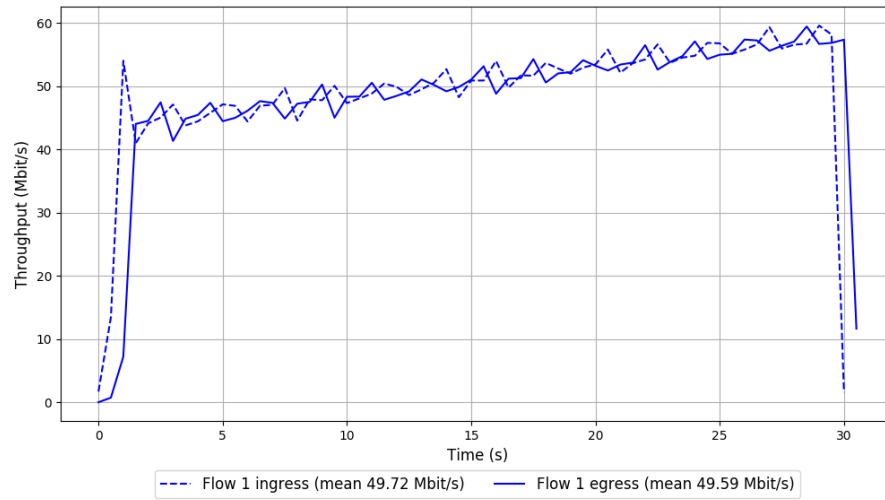
Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 49.72 Mbit/s) — Flow 1 egress (mean 49.59 Mbit/s)
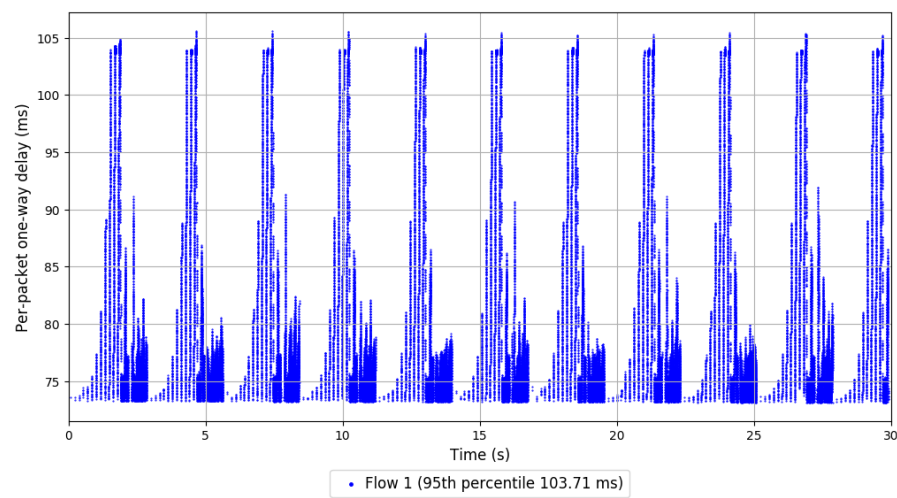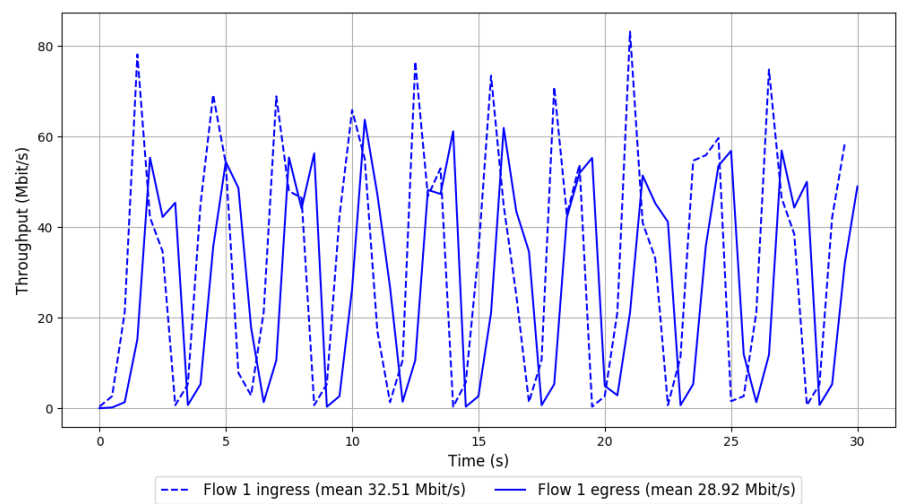

Flow 1 (95th percentile 72.16 ms)

```
Run 1: Statistics of Verus

Start at: 2018-08-01 00:13:37
End at: 2018-08-01 00:14:07
Local clock offset: -1.177 ms
Remote clock offset: 10.431 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 103.706 ms
Loss rate: 11.04%
-- Flow 1:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 103.706 ms
Loss rate: 11.04%
```
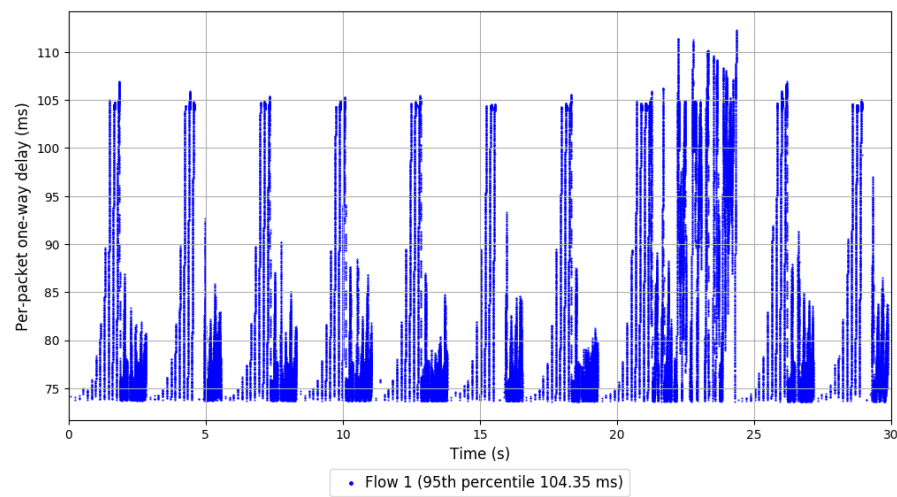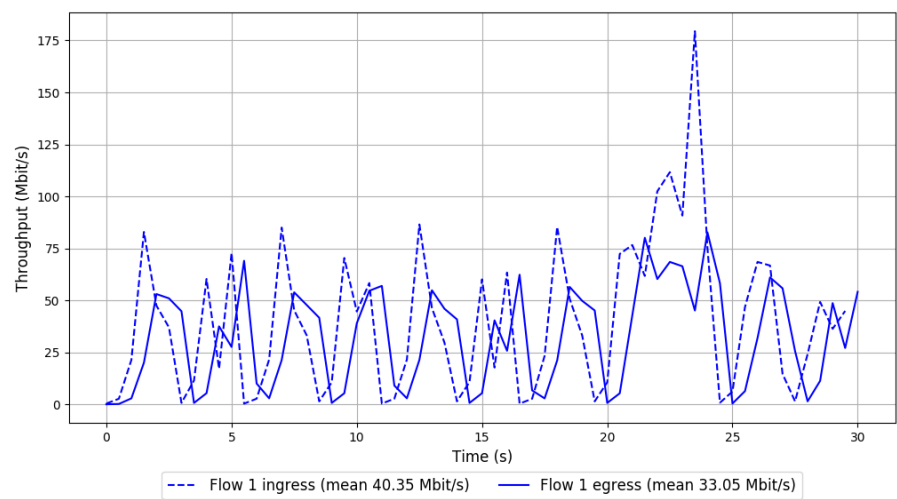
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-08-01 00:33:30
End at: 2018-08-01 00:34:00
Local clock offset: -3.352 ms
Remote clock offset: 20.441 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 104.350 ms
Loss rate: 18.07%
-- Flow 1:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 104.350 ms
Loss rate: 18.07%
```
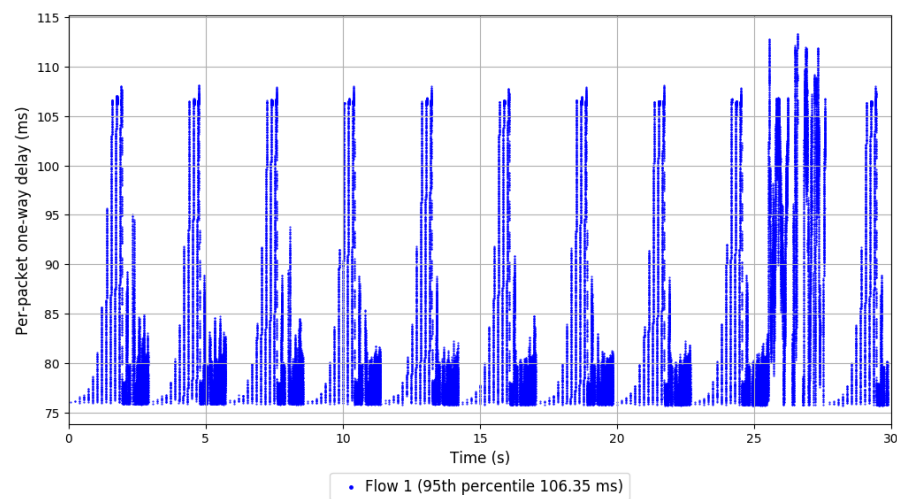
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-08-01 00:53:23
End at: 2018-08-01 00:53:53
Local clock offset: -3.405 ms
Remote clock offset: 20.404 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 106.353 ms
Loss rate: 15.27%
-- Flow 1:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 106.353 ms
Loss rate: 15.27%
```
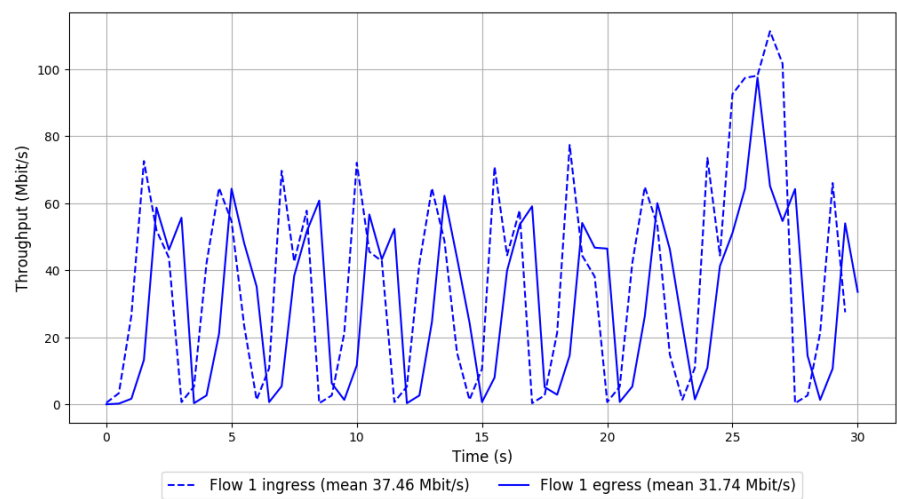
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 37.46 Mbit/s) — — — Flow 1 egress (mean 31.74 Mbit/s)

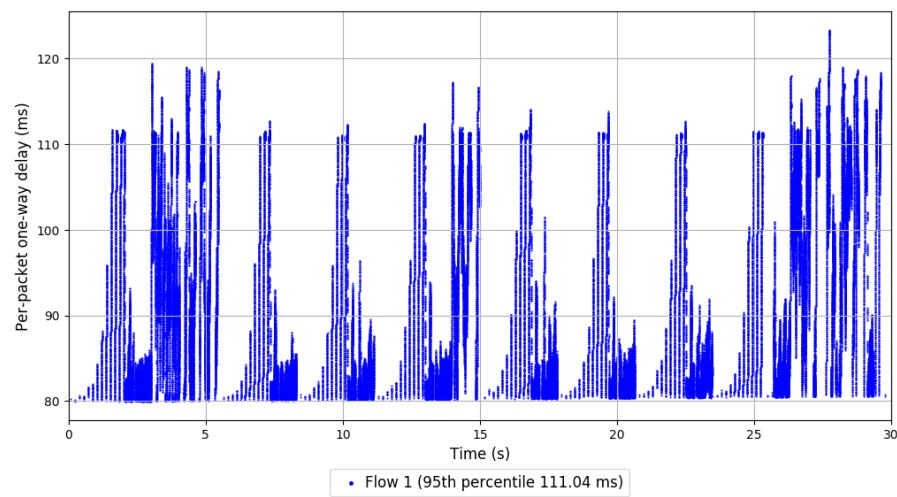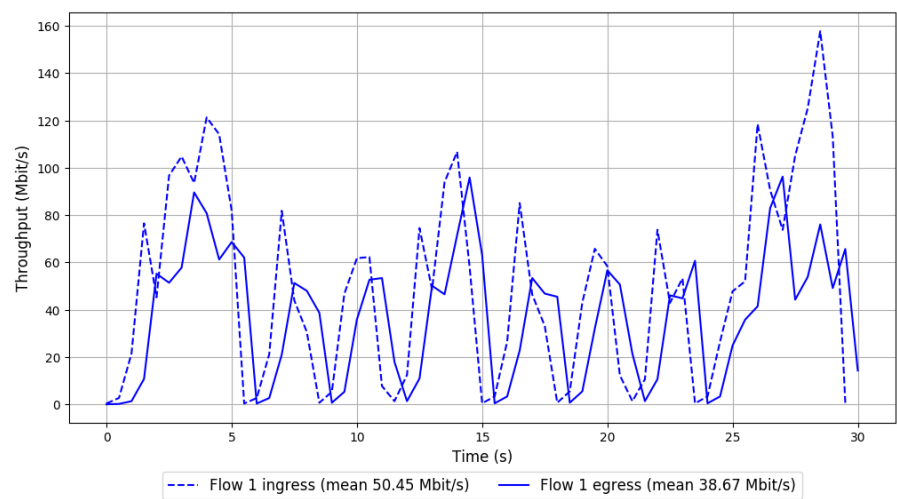
• Flow 1 (95th percentile 106.35 ms)

```
Run 4: Statistics of Verus

Start at: 2018-08-01 01:13:17
End at: 2018-08-01 01:13:47
Local clock offset: -3.931 ms
Remote clock offset: 18.098 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 111.043 ms
Loss rate: 23.34%
-- Flow 1:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 111.043 ms
Loss rate: 23.34%
```

Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-08-01 01:33:14
End at: 2018-08-01 01:33:45
Local clock offset: -4.261 ms
Remote clock offset: 6.244 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 104.916 ms
Loss rate: 10.85%
-- Flow 1:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 104.916 ms
Loss rate: 10.85%
```
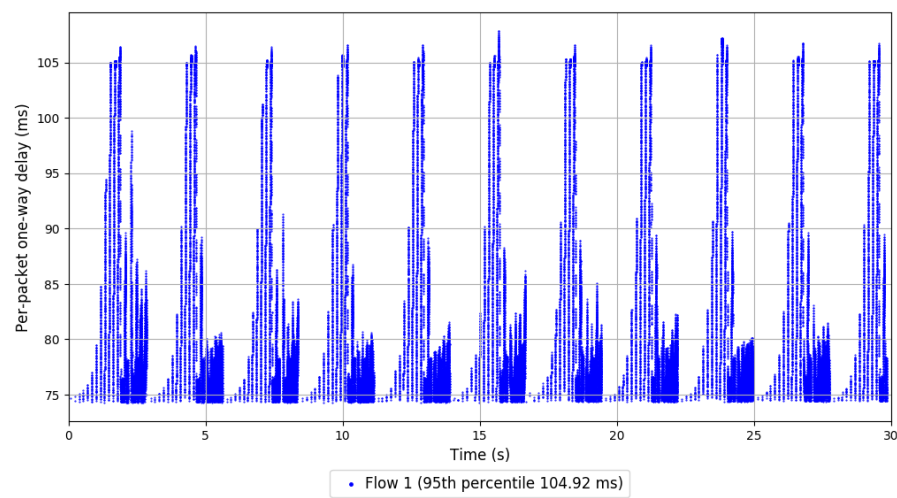
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2018-08-01 01:53:06
End at: 2018-08-01 01:53:36
Local clock offset: -4.097 ms
Remote clock offset: 4.573 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 107.001 ms
Loss rate: 11.84%
-- Flow 1:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 107.001 ms
Loss rate: 11.84%
```

Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-08-01 02:13:05
End at: 2018-08-01 02:13:35
Local clock offset: -6.223 ms
Remote clock offset: 5.102 ms


# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 108.616 ms
Loss rate: 10.38%
-- Flow 1:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 108.616 ms
Loss rate: 10.38%
```
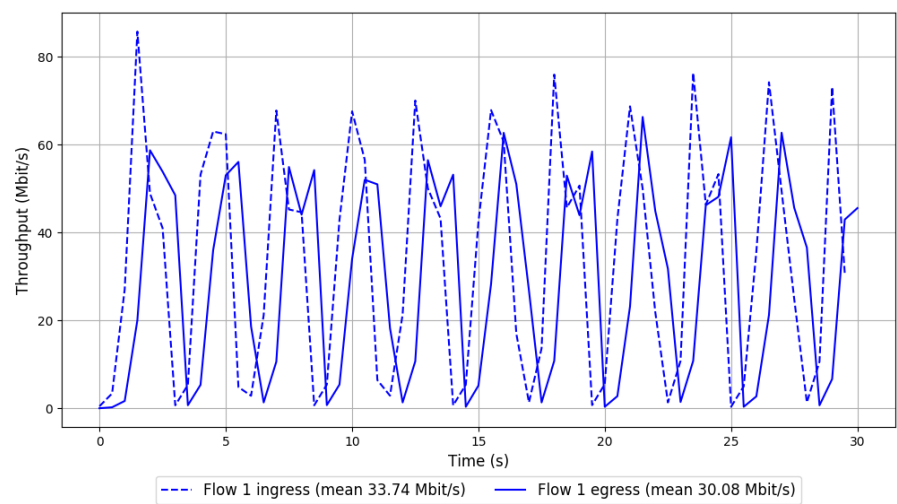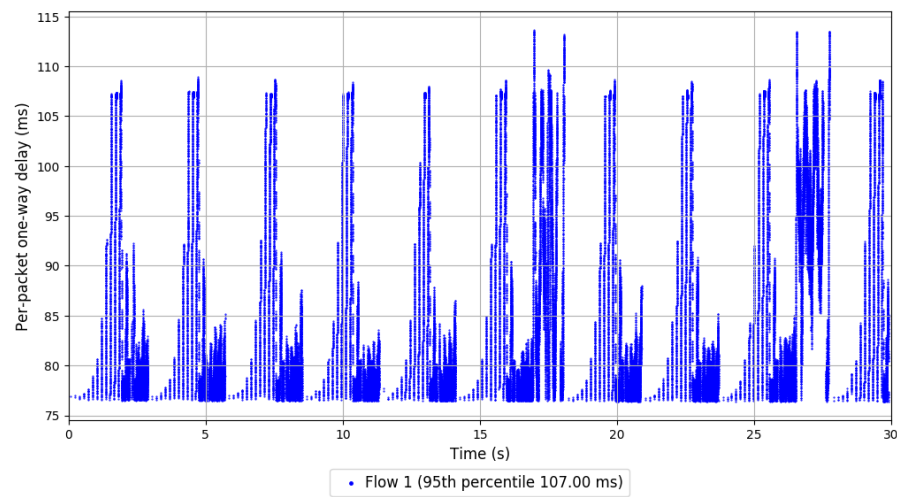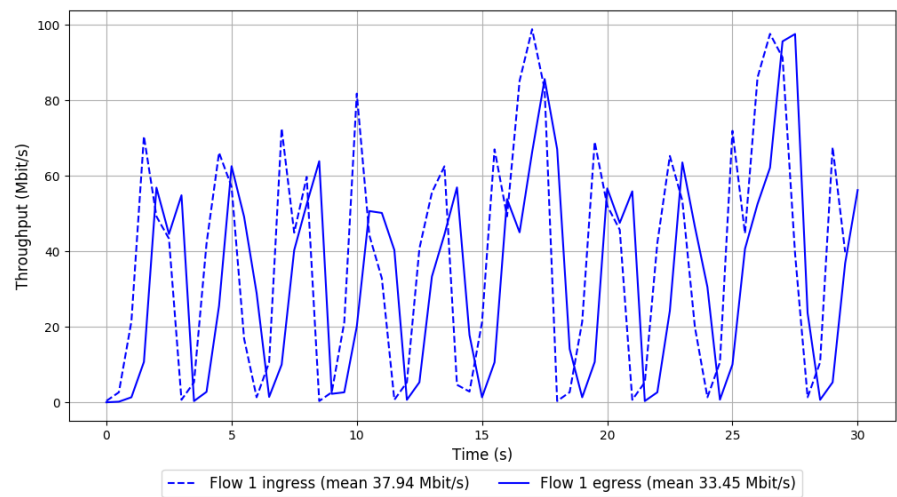
Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 32.44 Mbit/s) ----- Flow 1 egress (mean 29.07 Mbit/s)
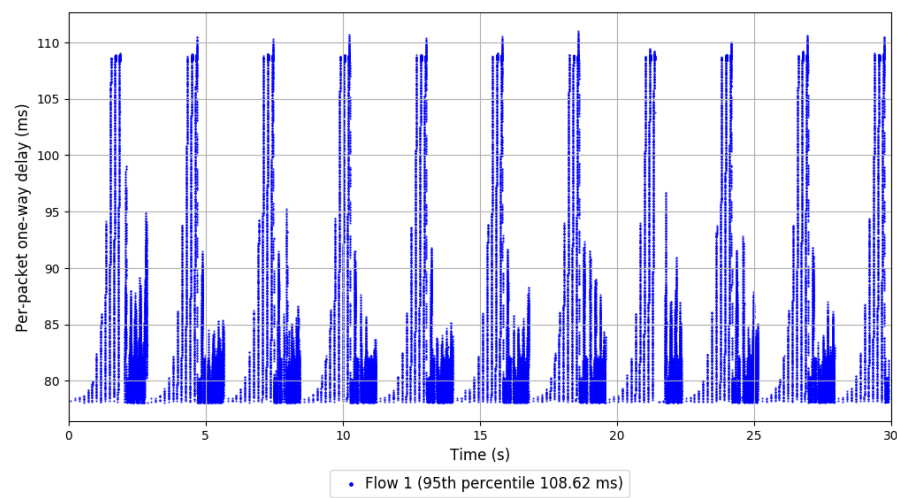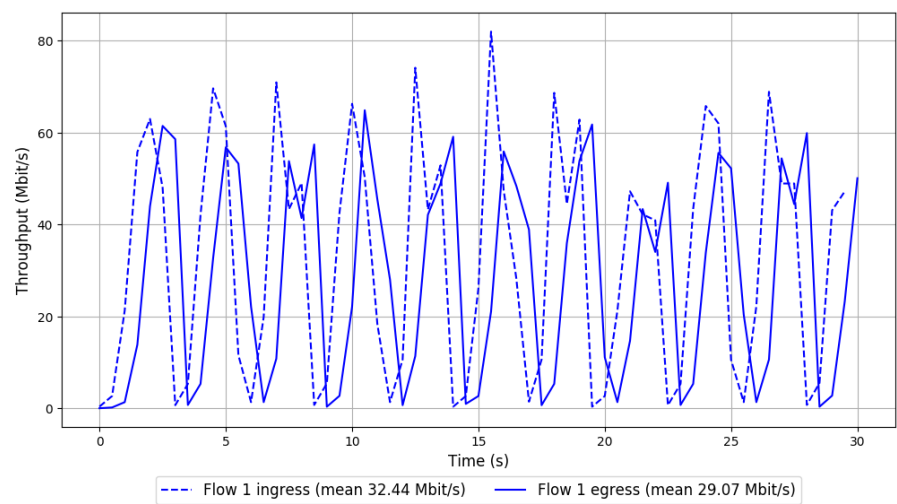

Flow 1 (95th percentile 108.62 ms)

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```
Run 8: Statistics of Verus

Start at: 2018-08-01 02:32:58
End at: 2018-08-01 02:33:28
Local clock offset: -2.198 ms
Remote clock offset: 6.575 ms

# Below is generated by plot.py at 2018-08-01 03:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 111.463 ms
Loss rate: 13.18%
-- Flow 1:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 111.463 ms
Loss rate: 13.18%
```
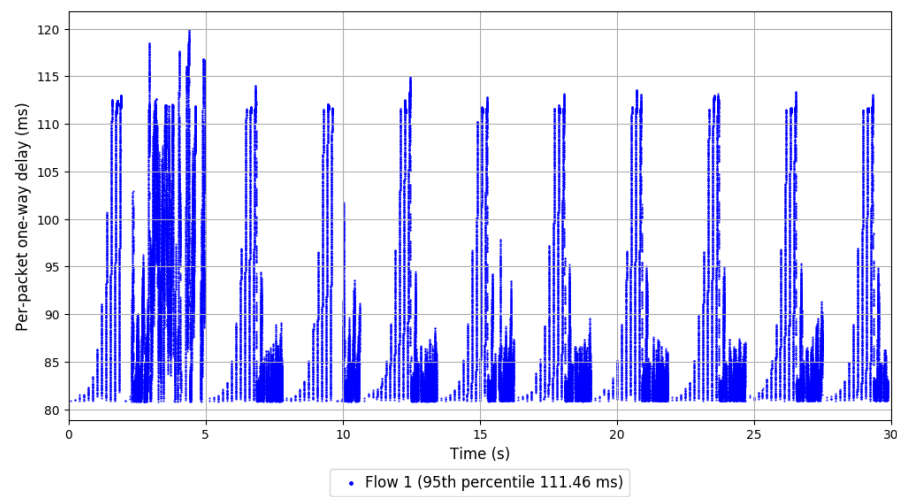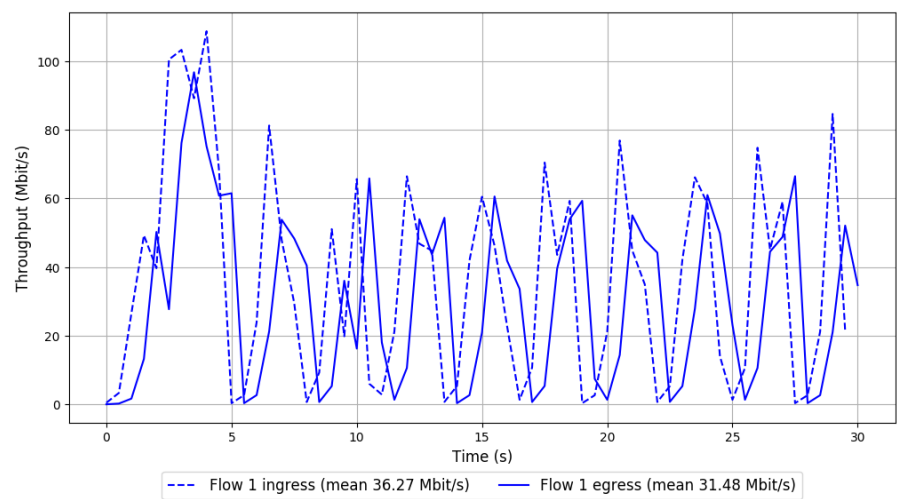
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2018-08-01 02:52:55
End at: 2018-08-01 02:53:25
Local clock offset: 0.572 ms
Remote clock offset: 2.557 ms


# Below is generated by plot.py at 2018-08-01 03:41:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 104.478 ms
Loss rate: 27.33%
-- Flow 1:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 104.478 ms
Loss rate: 27.33%
```
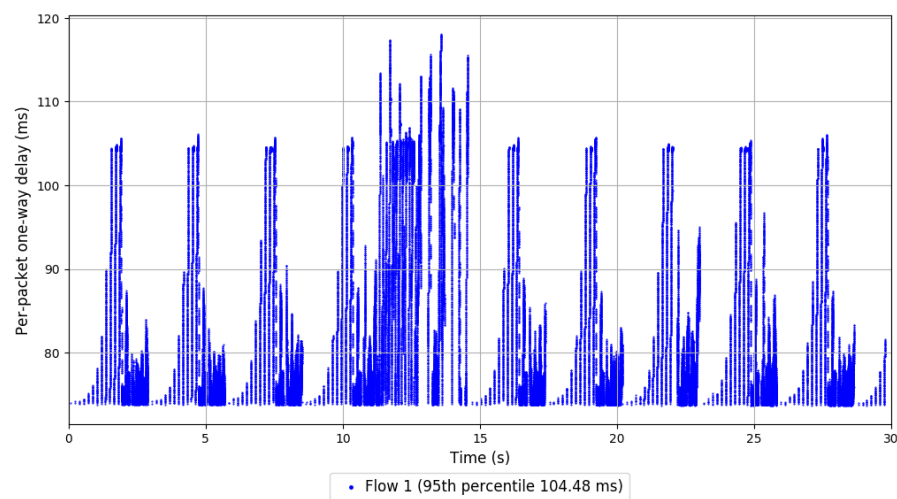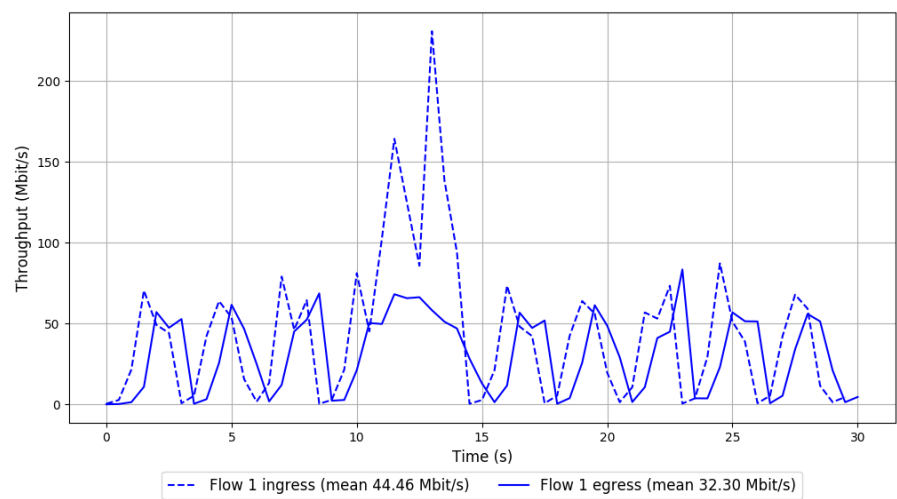
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 44.46 Mbit/s)   Flow 1 egress (mean 32.30 Mbit/s)

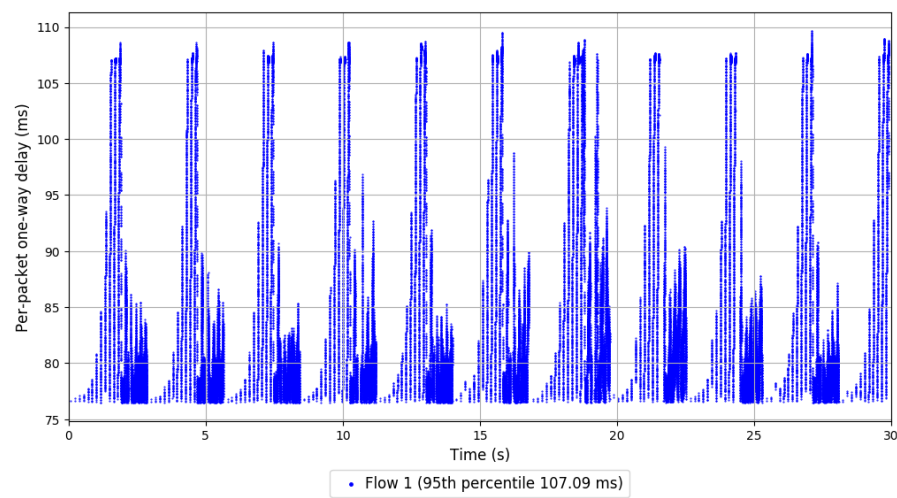Flow 1 (95th percentile 104.48 ms)

301

```
Run 10: Statistics of Verus

Start at: 2018-08-01 03:12:50
End at: 2018-08-01 03:13:20
Local clock offset: 2.05 ms
Remote clock offset: 11.005 ms


# Below is generated by plot.py at 2018-08-01 03:41:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 107.093 ms
Loss rate: 10.53%
-- Flow 1:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 107.093 ms
Loss rate: 10.53%
```
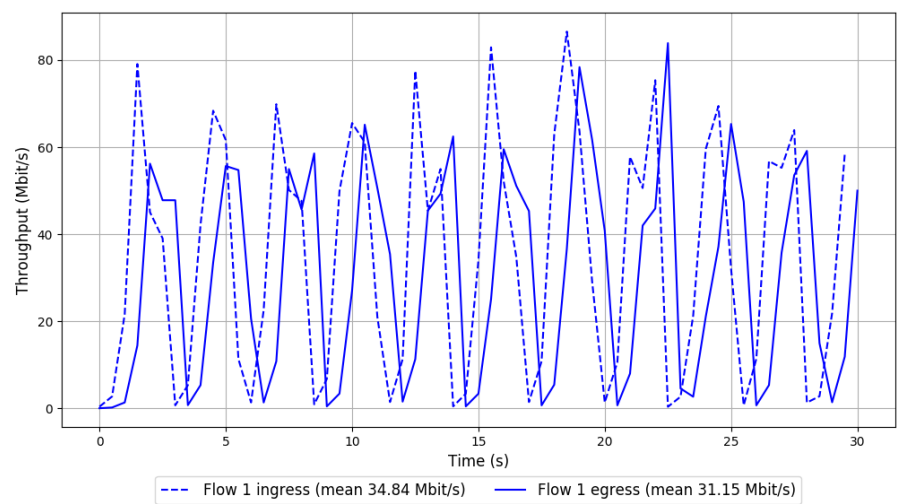
Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 34.84 Mbit/s) --- Flow 1 egress (mean 31.15 Mbit/s)

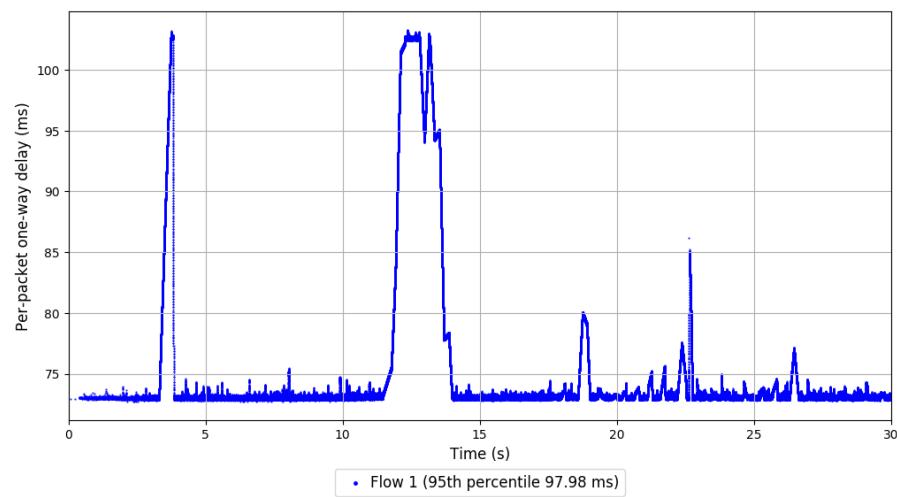Flow 1 (95th percentile 107.09 ms)

303

```
Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 00:17:09
End at: 2018-08-01 00:17:39
Local clock offset: -0.872 ms
Remote clock offset: 12.712 ms


# Below is generated by plot.py at 2018-08-01 03:41:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 97.982 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 97.982 ms
Loss rate: 0.12%
```

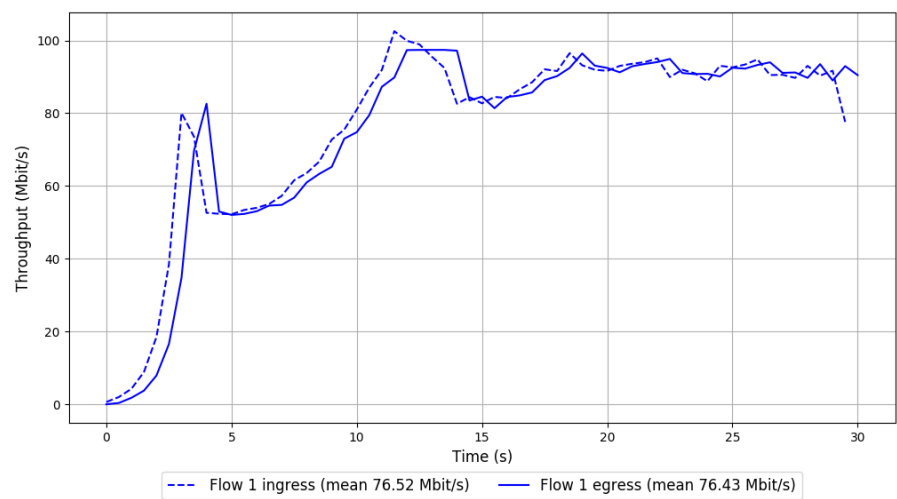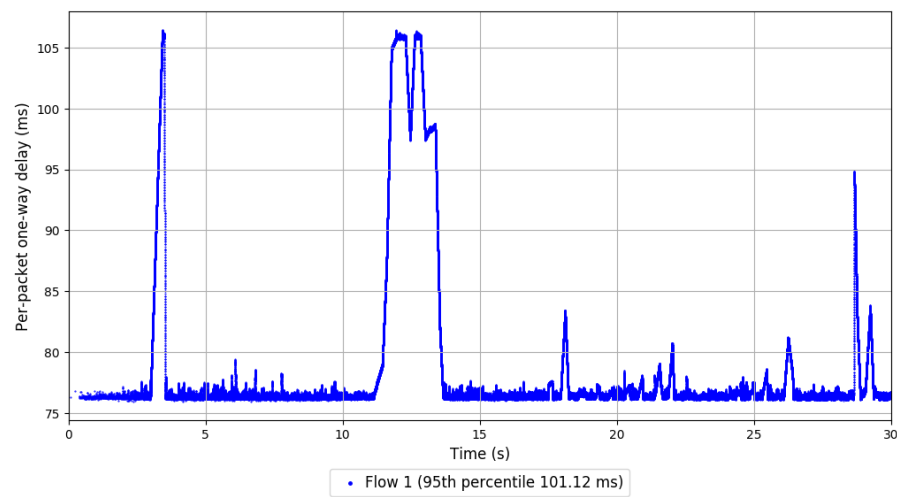# Run 1: Report of PCC-Vivace — Data Link

```
Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 00:37:02
End at: 2018-08-01 00:37:32
Local clock offset: -3.612 ms
Remote clock offset: 21.013 ms


# Below is generated by plot.py at 2018-08-01 03:41:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 101.118 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 101.118 ms
Loss rate: 0.12%
```

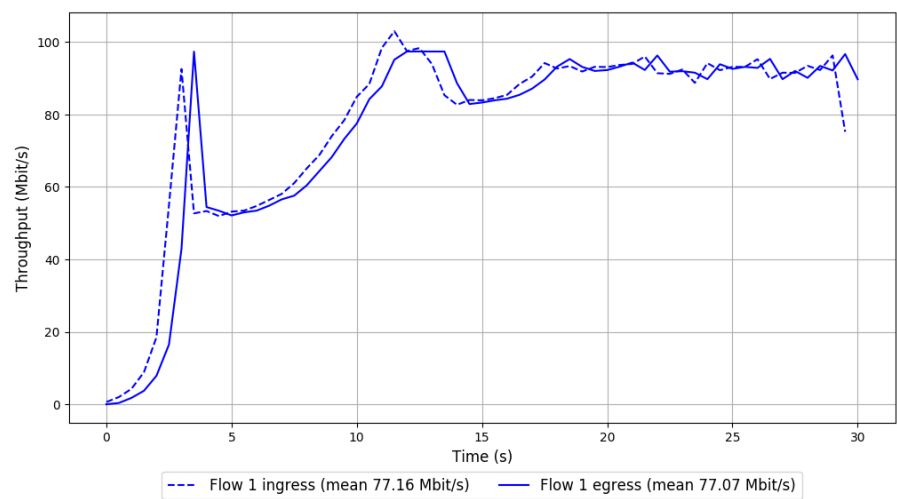# Run 2: Report of PCC-Vivace — Data Link

```
Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 00:56:56
End at: 2018-08-01 00:57:26
Local clock offset: -3.789 ms
Remote clock offset: 23.563 ms


# Below is generated by plot.py at 2018-08-01 03:41:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: 101.324 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: 101.324 ms
Loss rate: 0.11%
```

Run 3: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 77.71 Mbit/s) ---- Flow 1 egress (mean 77.63 Mbit/s) ——
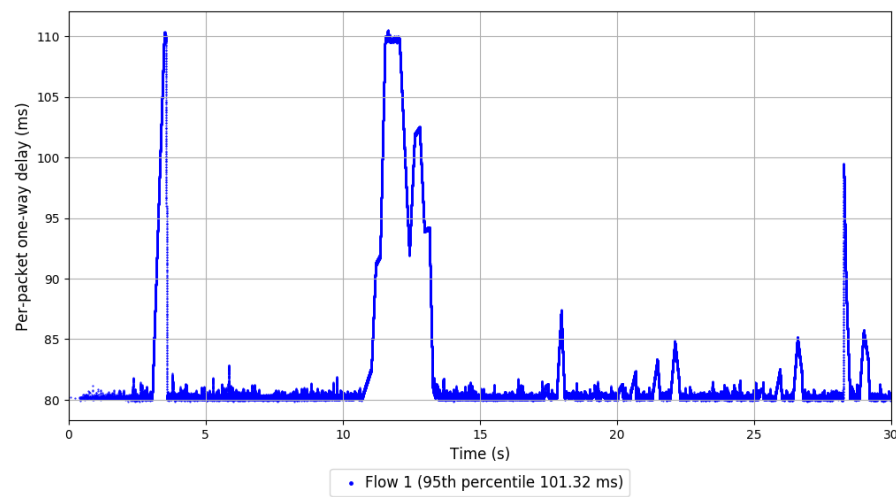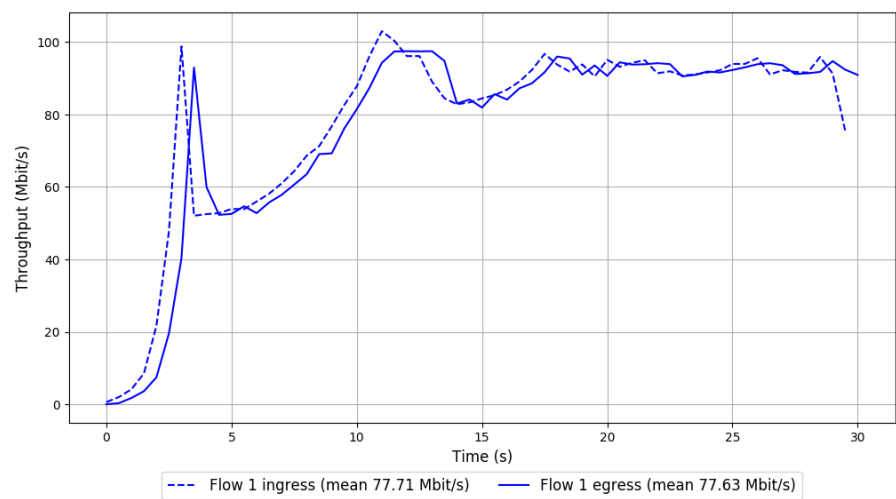

Flow 1 (95th percentile 101.32 ms)

```
Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 01:16:50
End at: 2018-08-01 01:17:20
Local clock offset: -3.841 ms
Remote clock offset: 9.314 ms


# Below is generated by plot.py at 2018-08-01 03:42:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 93.832 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 93.832 ms
Loss rate: 0.11%
```
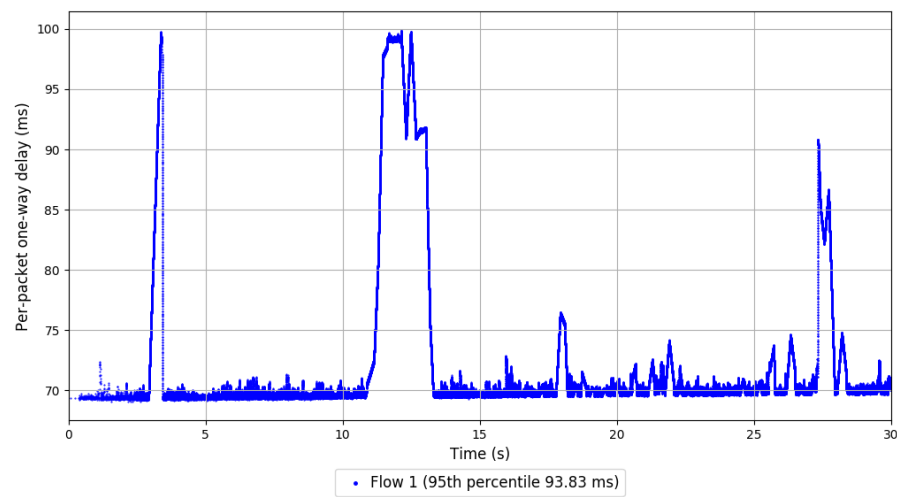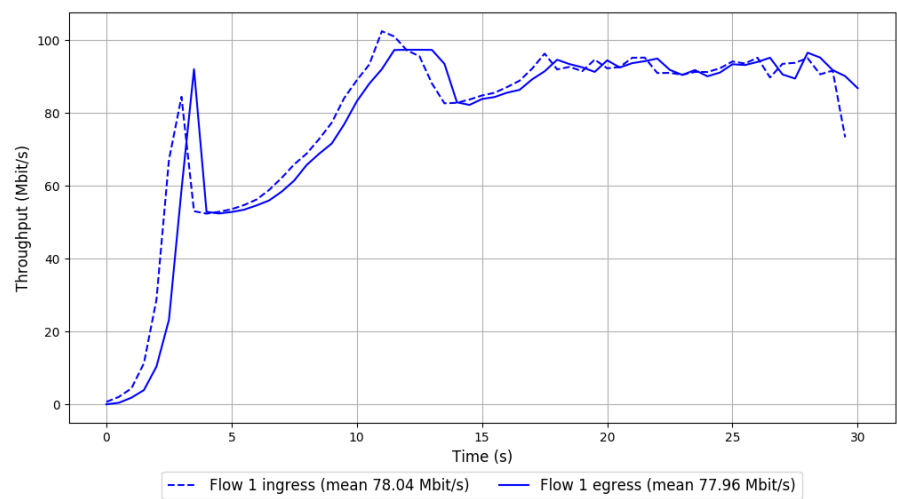
Run 4: Report of PCC-Vivace — Data Link

```
Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 01:36:47
End at: 2018-08-01 01:37:17
Local clock offset: -4.22 ms
Remote clock offset: 5.331 ms


# Below is generated by plot.py at 2018-08-01 03:42:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.16 Mbit/s
95th percentile per-packet one-way delay: 103.464 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.16 Mbit/s
95th percentile per-packet one-way delay: 103.464 ms
Loss rate: 0.09%
```
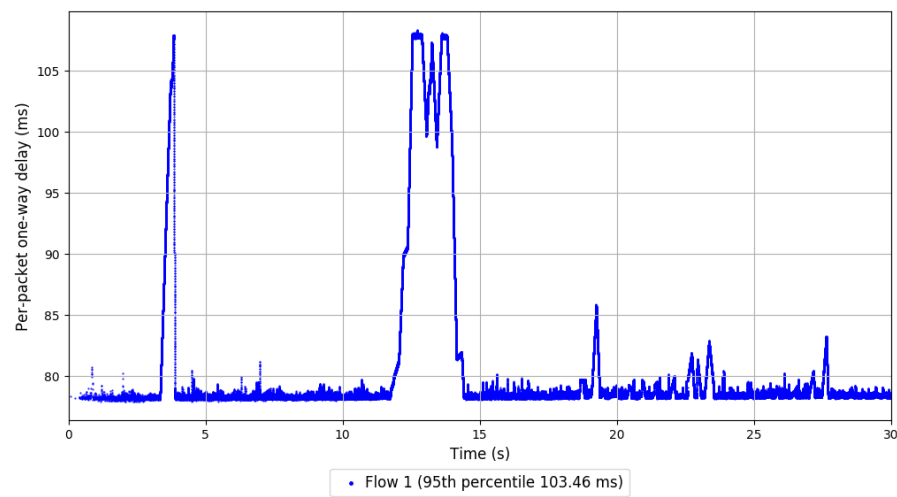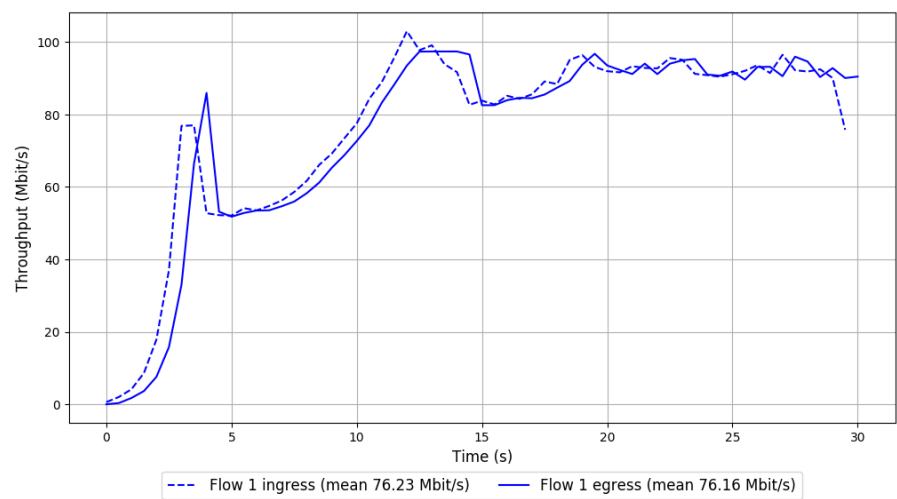
Run 5: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 76.23 Mbit/s) --- Flow 1 egress (mean 76.16 Mbit/s)

Flow 1 (95th percentile 103.46 ms)

```
Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 01:56:39
End at: 2018-08-01 01:57:09
Local clock offset: -4.932 ms
Remote clock offset: 6.107 ms


# Below is generated by plot.py at 2018-08-01 03:42:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 103.893 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 103.893 ms
Loss rate: 0.11%
```
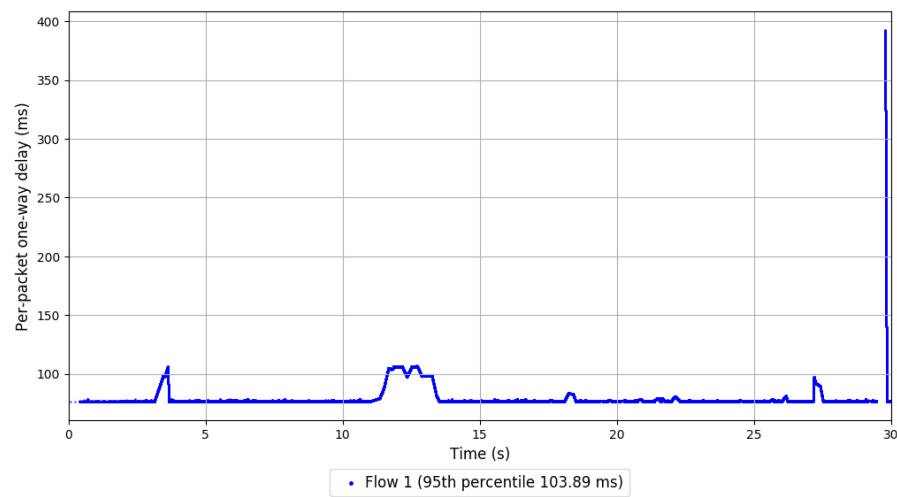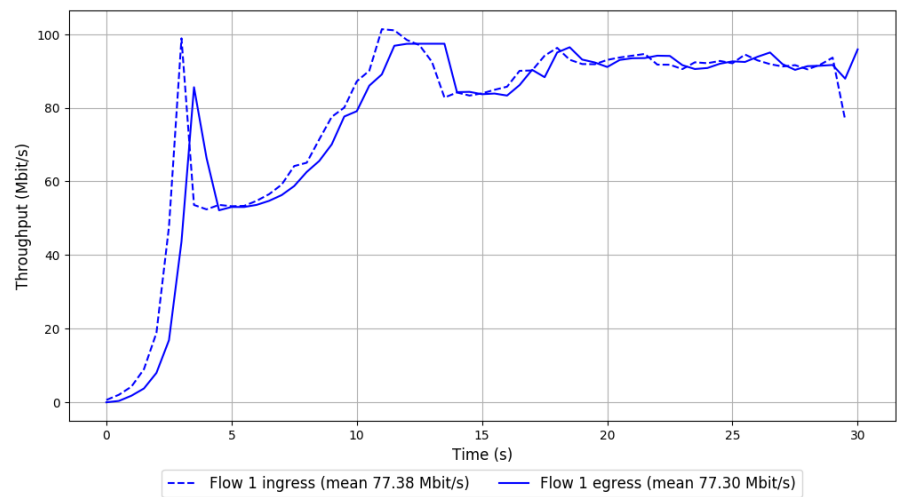
Run 6: Report of PCC-Vivace — Data Link

```
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 02:16:37
End at: 2018-08-01 02:17:07
Local clock offset: -6.226 ms
Remote clock offset: 1.077 ms


# Below is generated by plot.py at 2018-08-01 03:42:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 95.256 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 95.256 ms
Loss rate: 0.11%
```
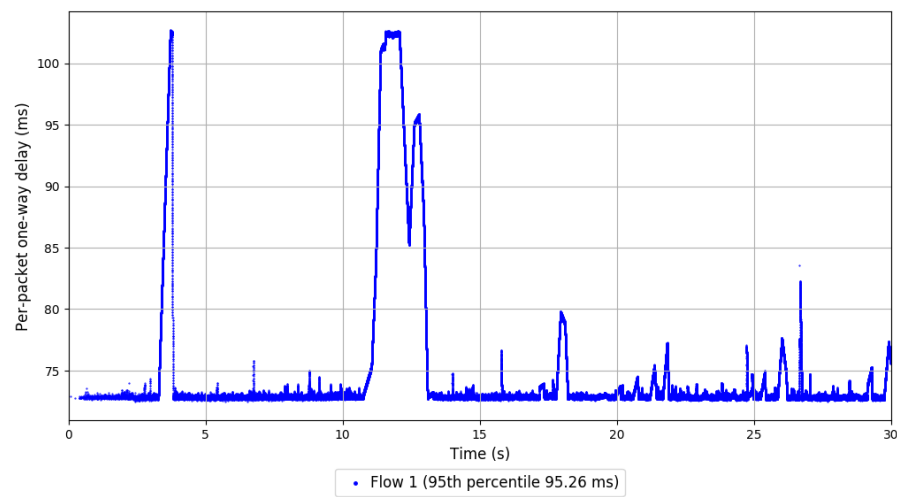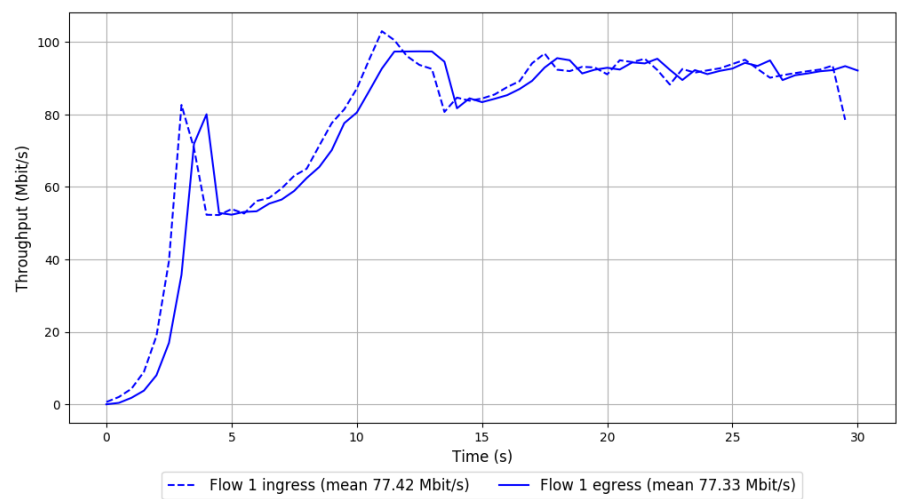
Run 7: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 77.42 Mbit/s)   Flow 1 egress (mean 77.33 Mbit/s)

Flow 1 (95th percentile 95.26 ms)

```
Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 02:36:32
End at: 2018-08-01 02:37:02
Local clock offset: -1.358 ms
Remote clock offset: 6.767 ms


# Below is generated by plot.py at 2018-08-01 03:42:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.00 Mbit/s
95th percentile per-packet one-way delay: 88.751 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 79.00 Mbit/s
95th percentile per-packet one-way delay: 88.751 ms
Loss rate: 0.02%
```
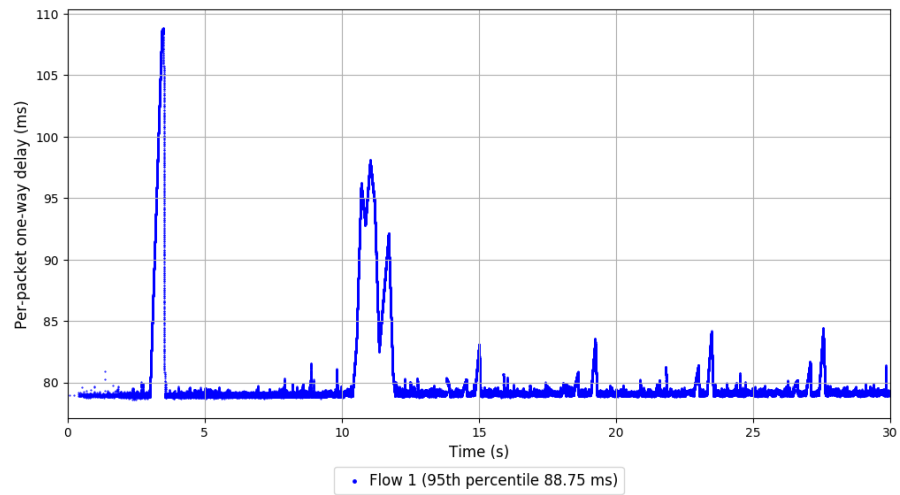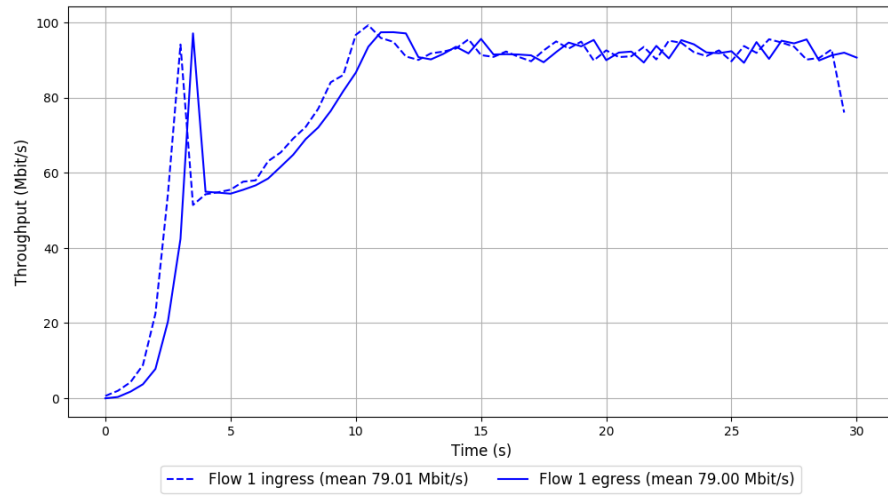
Run 8: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 79.01 Mbit/s) —— Flow 1 egress (mean 79.00 Mbit/s)

• Flow 1 (95th percentile 88.75 ms)

```
Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 02:56:28
End at: 2018-08-01 02:56:58
Local clock offset: 0.858 ms
Remote clock offset: 9.159 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 101.327 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 101.327 ms
Loss rate: 0.10%
```

Run 9: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 77.21 Mbit/s) --- Flow 1 egress (mean 77.12 Mbit/s)

Flow 1 (95th percentile 101.33 ms)

```
Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 03:16:23
End at: 2018-08-01 03:16:53
Local clock offset: 2.234 ms
Remote clock offset: 6.381 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 76.629 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 76.629 ms
Loss rate: 0.02%
```
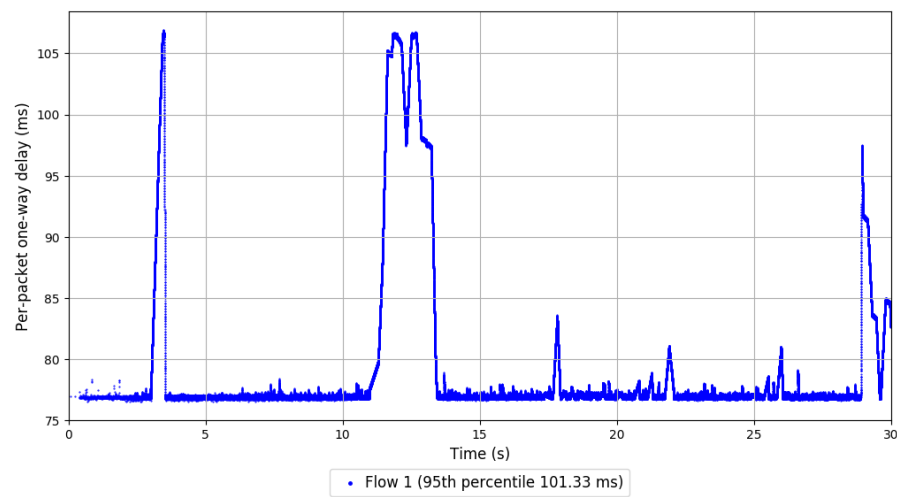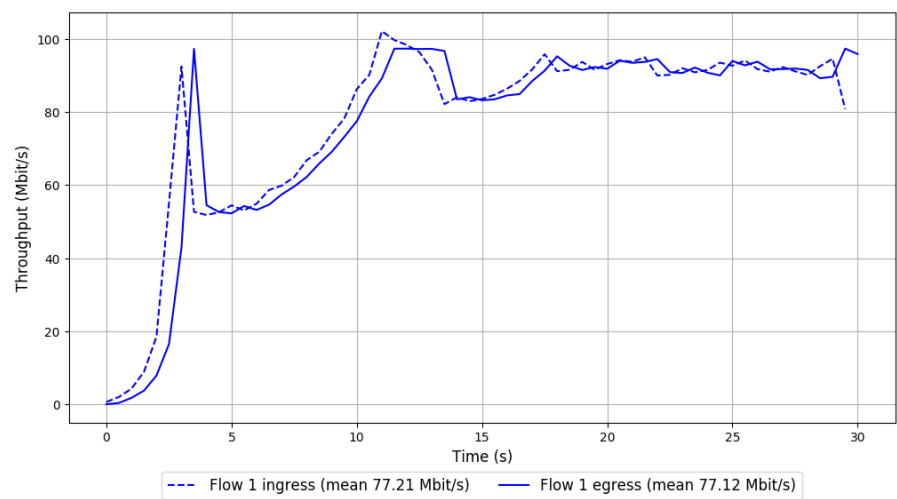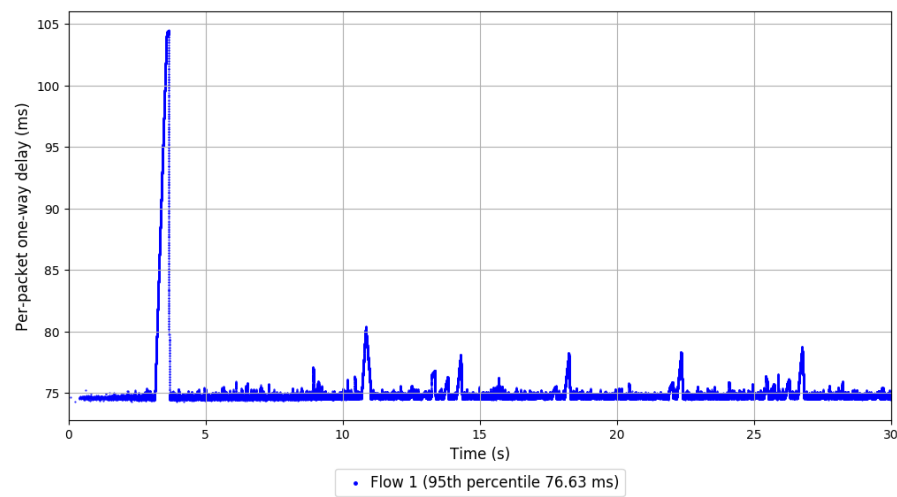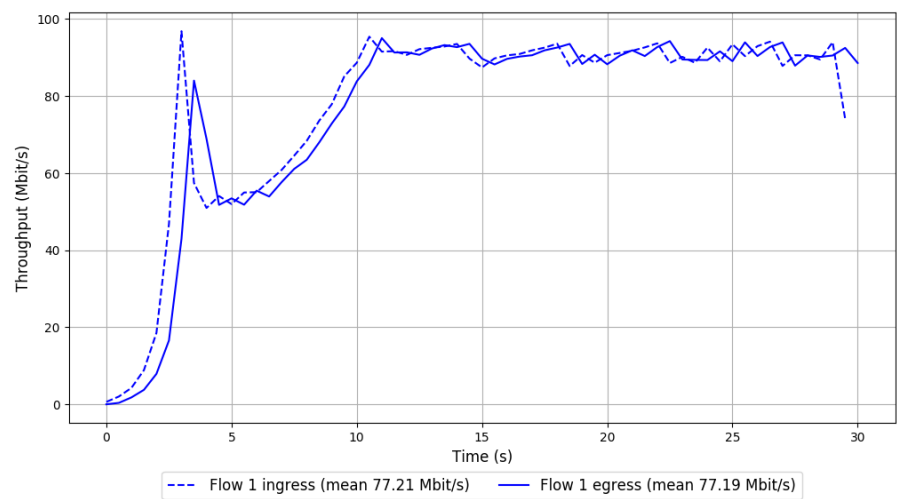
Run 10: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 77.21 Mbit/s)   Flow 1 egress (mean 77.19 Mbit/s)

Flow 1 (95th percentile 76.63 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2018-08-01 00:04:18
End at: 2018-08-01 00:04:48
Local clock offset: -1.628 ms
Remote clock offset: 8.643 ms

# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 78.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 78.866 ms
Loss rate: 0.00%
```
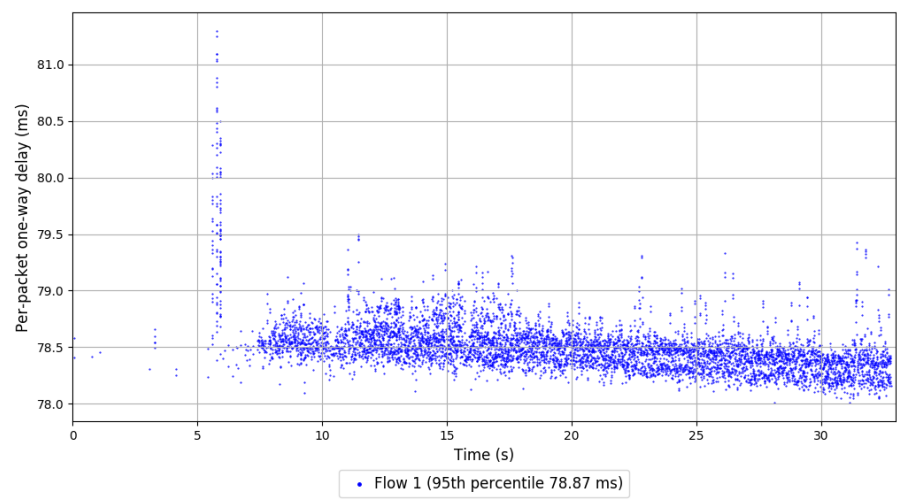
Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.80 Mbit/s)   Flow 1 egress (mean 1.80 Mbit/s)

Flow 1 (95th percentile 78.87 ms)

```
Run 2: Statistics of WebRTC media

Start at: 2018-08-01 00:24:10
End at: 2018-08-01 00:24:40
Local clock offset: -0.856 ms
Remote clock offset: 13.438 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 71.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 71.965 ms
Loss rate: 0.00%
```
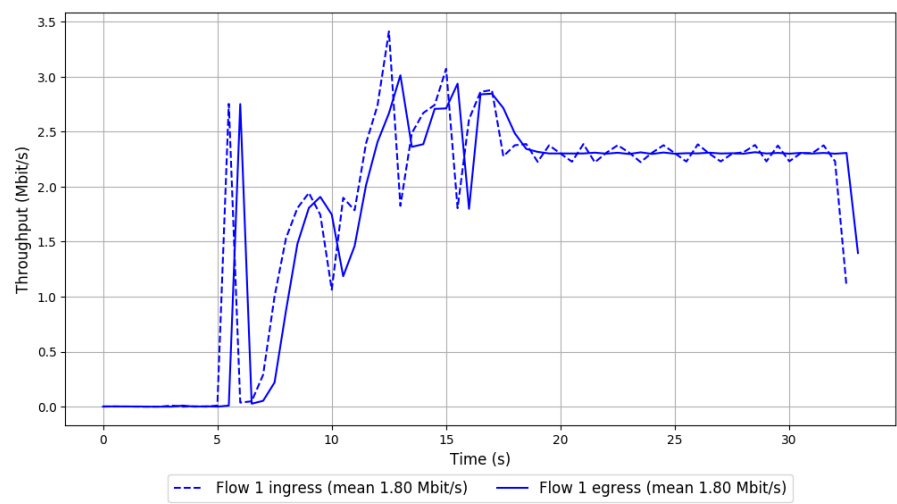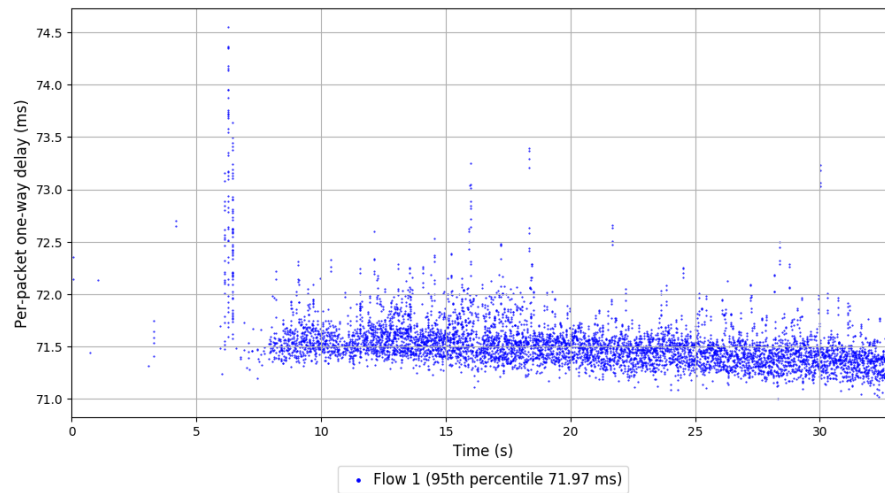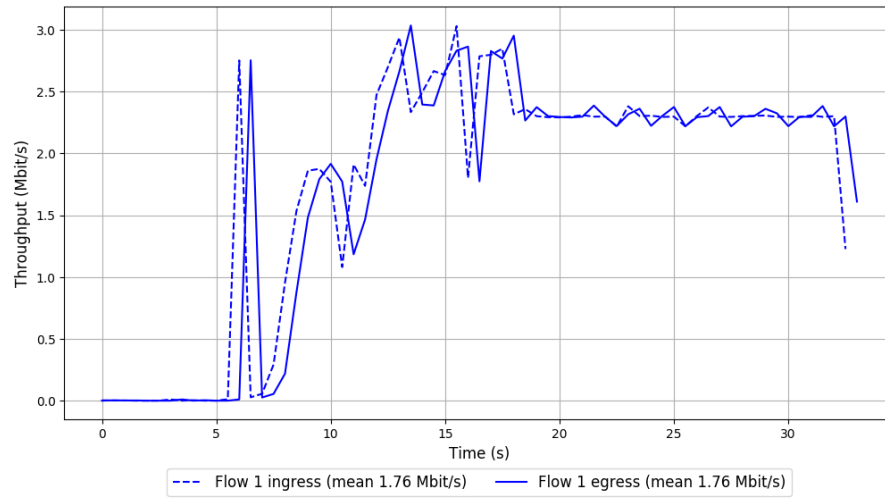
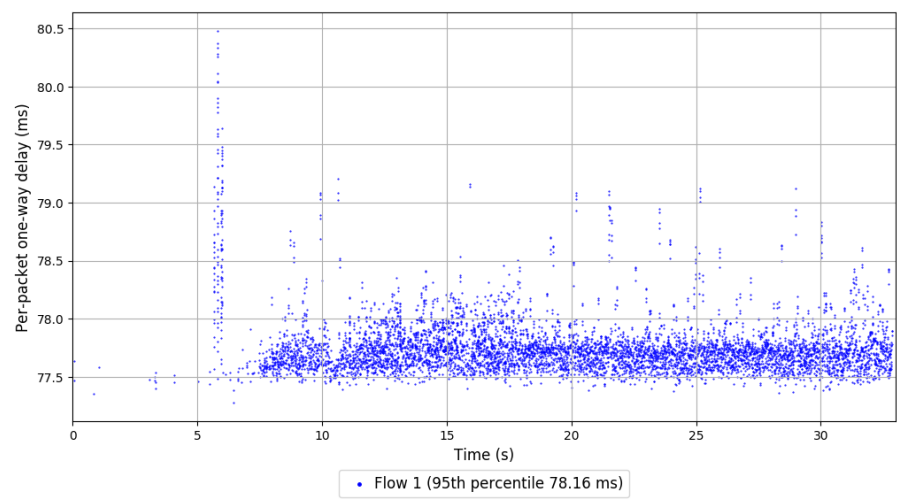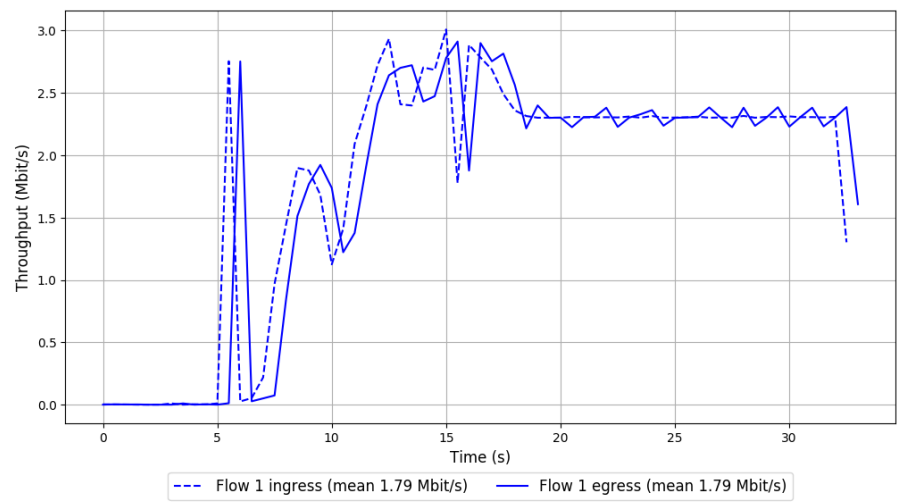Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-08-01 00:44:03
End at: 2018-08-01 00:44:33
Local clock offset: -3.692 ms
Remote clock offset: 23.438 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 78.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 78.156 ms
Loss rate: 0.00%
```

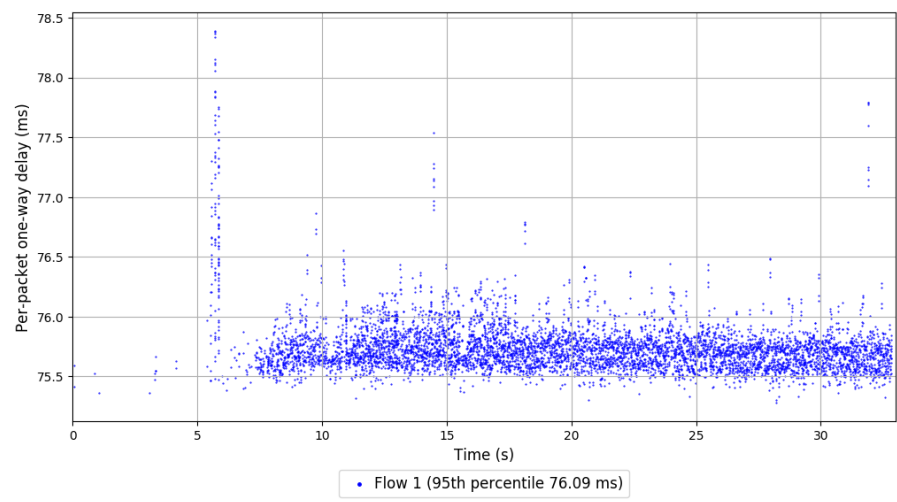Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-08-01 01:03:59
End at: 2018-08-01 01:04:29
Local clock offset: -4.079 ms
Remote clock offset: 27.042 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 76.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 76.088 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.81 Mbit/s)   Flow 1 egress (mean 1.81 Mbit/s)
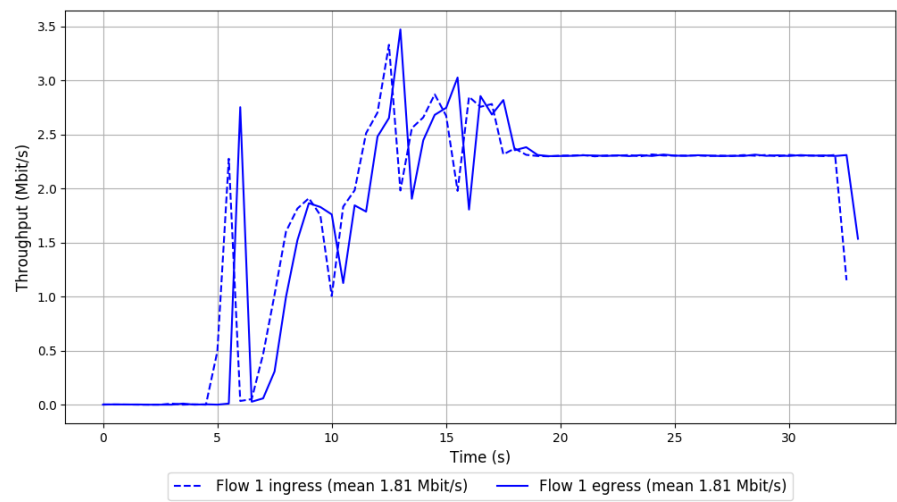

• Flow 1 (95th percentile 76.09 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2018-08-01 01:23:56
End at: 2018-08-01 01:24:26
Local clock offset: -3.825 ms
Remote clock offset: 9.421 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 75.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 75.070 ms
Loss rate: 0.00%
```
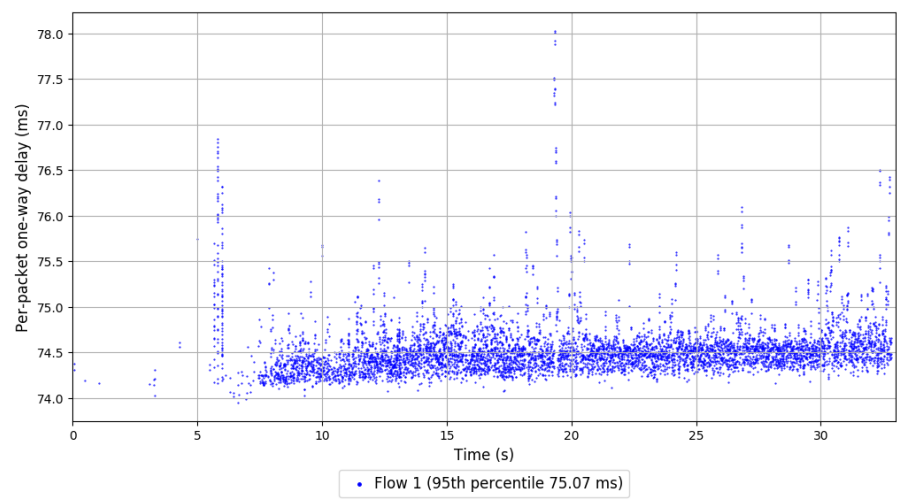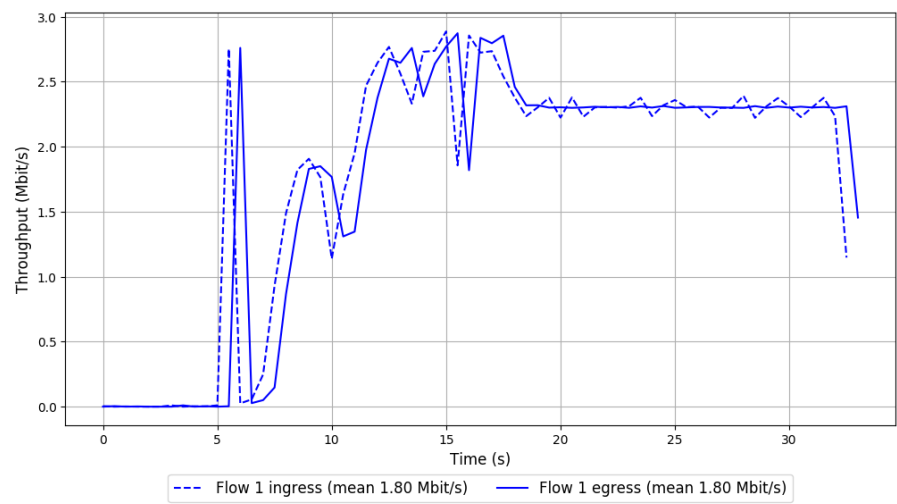
Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.80 Mbit/s)   Flow 1 egress (mean 1.80 Mbit/s)

Flow 1 (95th percentile 75.07 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-08-01 01:43:47
End at: 2018-08-01 01:44:17
Local clock offset: -4.204 ms
Remote clock offset: 0.851 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 73.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 73.189 ms
Loss rate: 0.00%
```
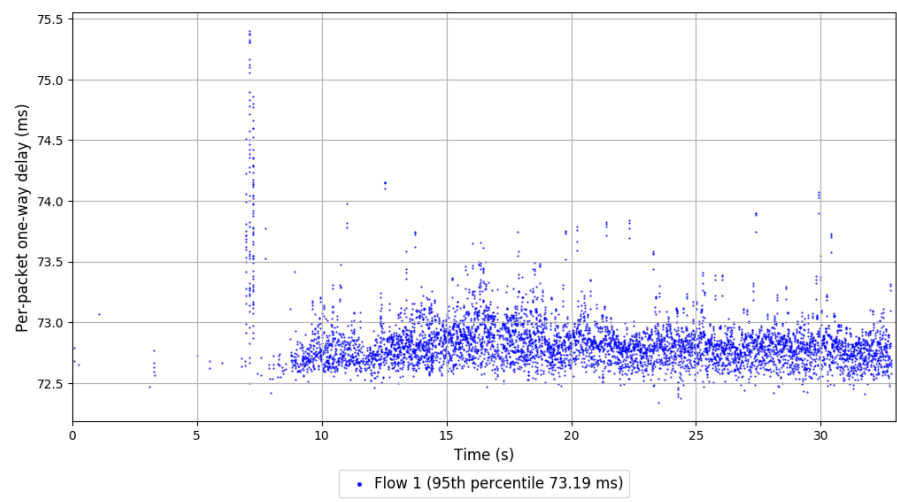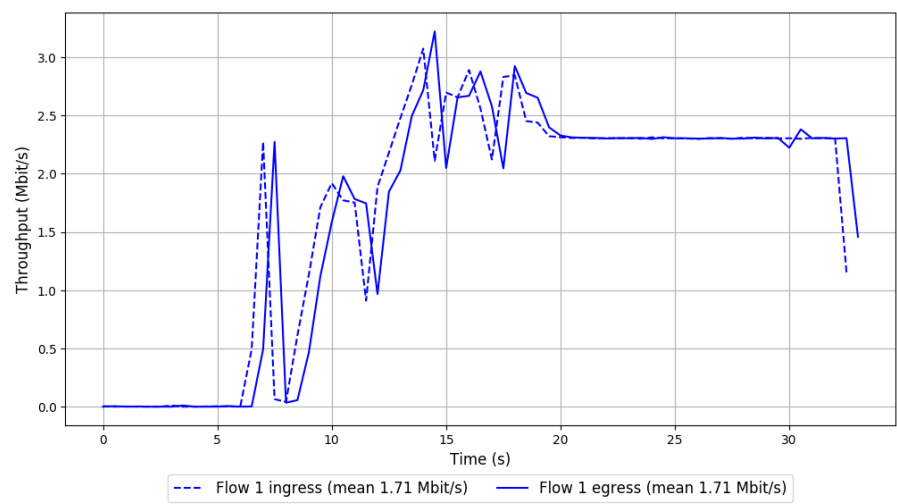
Run 6: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.71 Mbit/s)   Flow 1 egress (mean 1.71 Mbit/s)

Flow 1 (95th percentile 73.19 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2018-08-01 02:03:46
End at: 2018-08-01 02:04:16
Local clock offset: -5.691 ms
Remote clock offset: 5.661 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 82.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 82.358 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-08-01 02:23:38
End at: 2018-08-01 02:24:08
Local clock offset: -5.823 ms
Remote clock offset: 1.403 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 70.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 70.159 ms
Loss rate: 0.00%
```
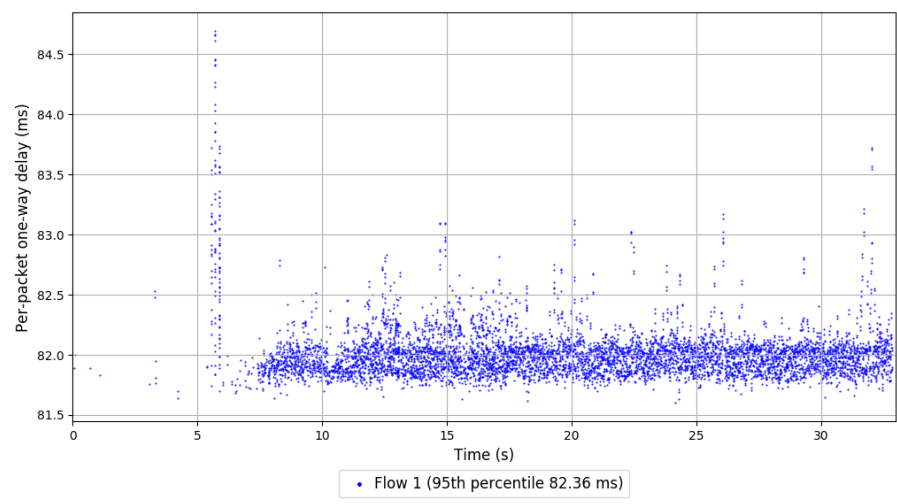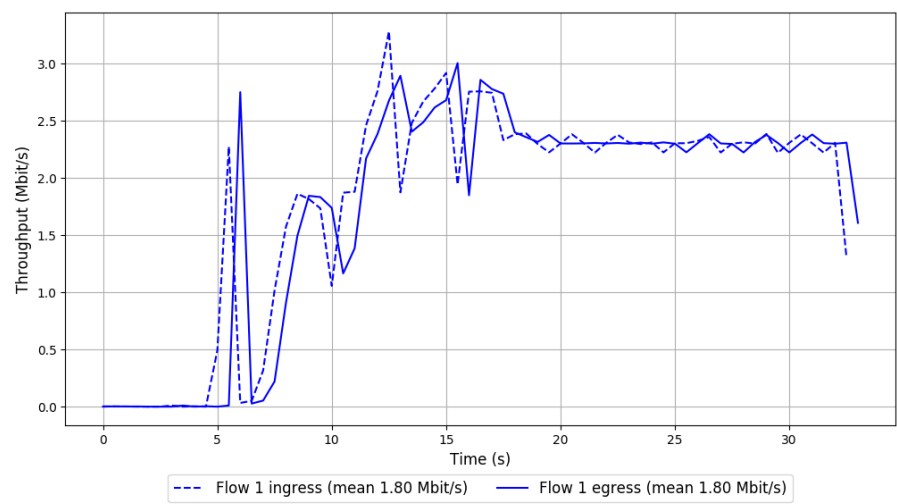
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-08-01 02:43:33
End at: 2018-08-01 02:44:03
Local clock offset: -0.365 ms
Remote clock offset: 2.921 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 72.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 72.937 ms
Loss rate: 0.00%
```
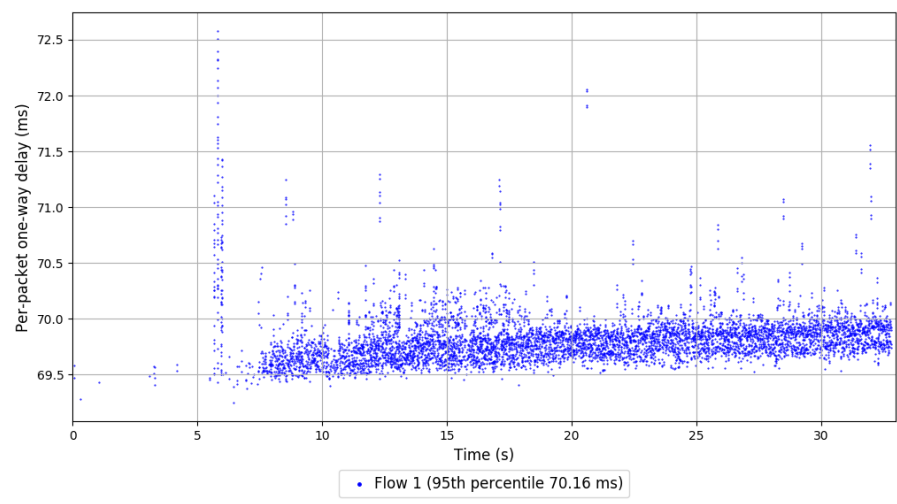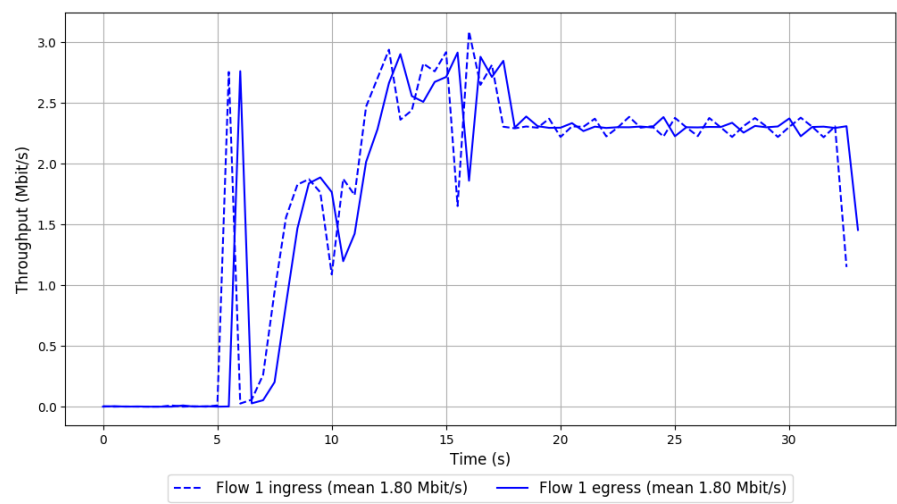
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.77 Mbit/s) ----   Flow 1 egress (mean 1.77 Mbit/s) ——

• Flow 1 (95th percentile 72.94 ms)

```
Run 10: Statistics of WebRTC media

Start at: 2018-08-01 03:03:29
End at: 2018-08-01 03:03:59
Local clock offset: 1.321 ms
Remote clock offset: 10.284 ms


# Below is generated by plot.py at 2018-08-01 03:42:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 75.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 75.792 ms
Loss rate: 0.00%
```
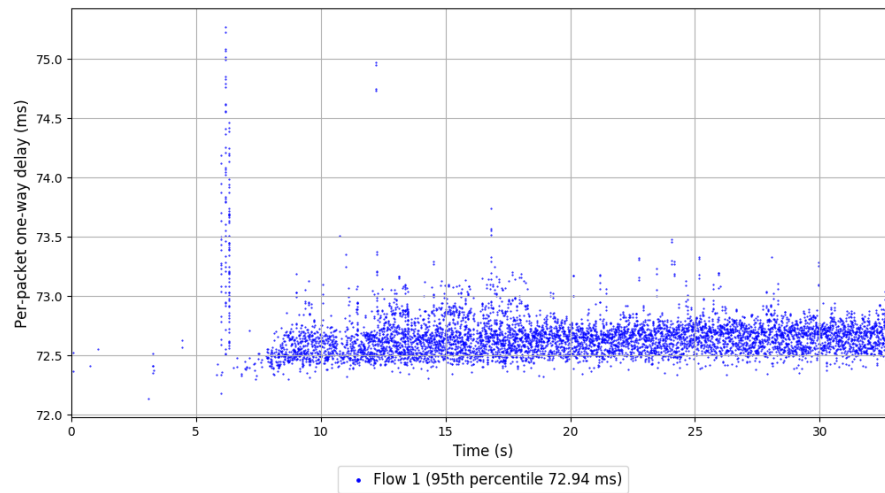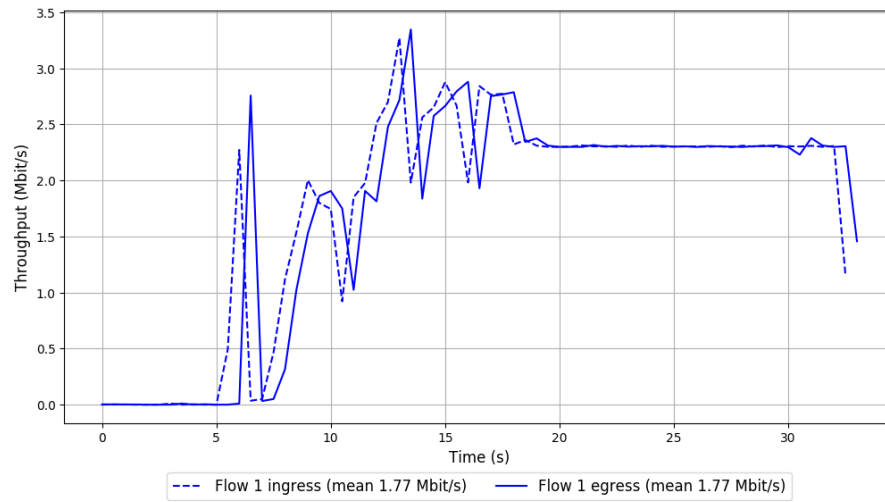
Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.77 Mbit/s)   Flow 1 egress (mean 1.77 Mbit/s)

Flow 1 (95th percentile 75.79 ms)