Pantheon Report
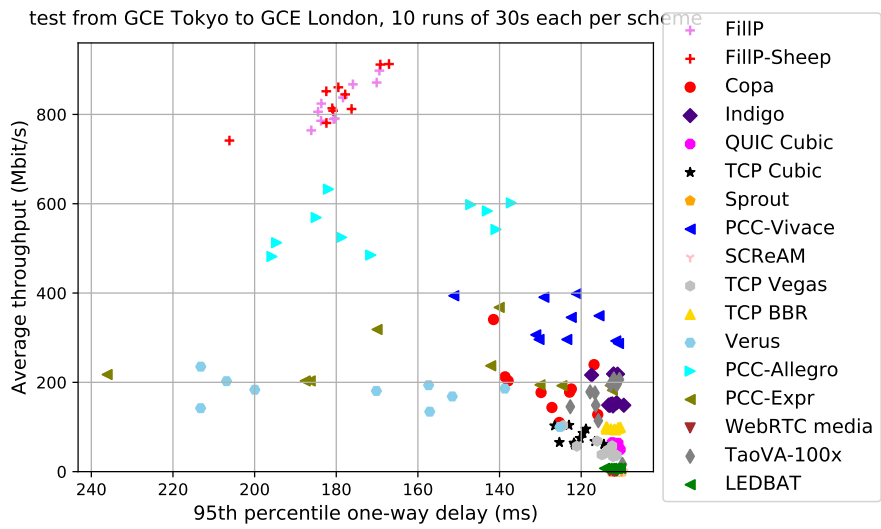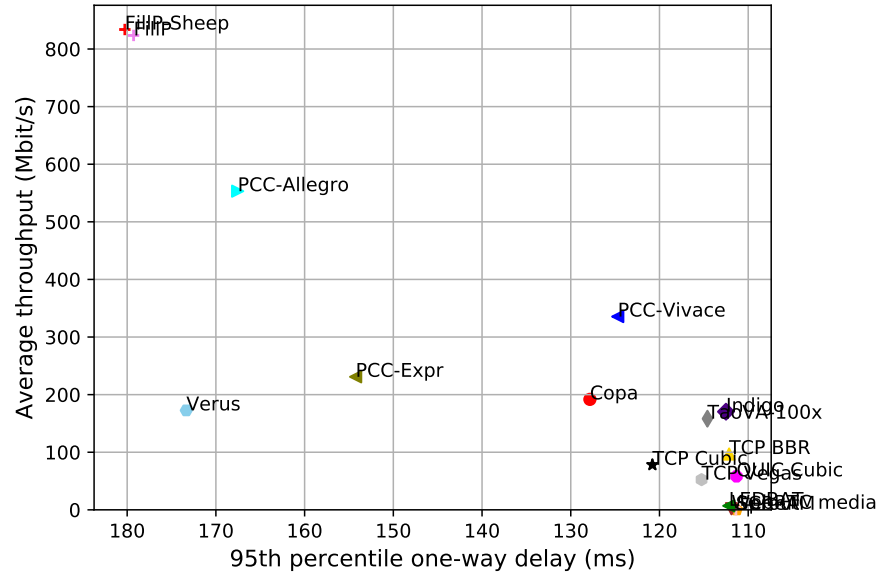
Generated at 2018-08-01 04:29:14 (UTC).

Data path: GCE Tokyo Ethernet (*local*) →GCE London 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 `time.google.com` 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 GCE Tokyo to GCE London, 10 runs of 30s each per scheme
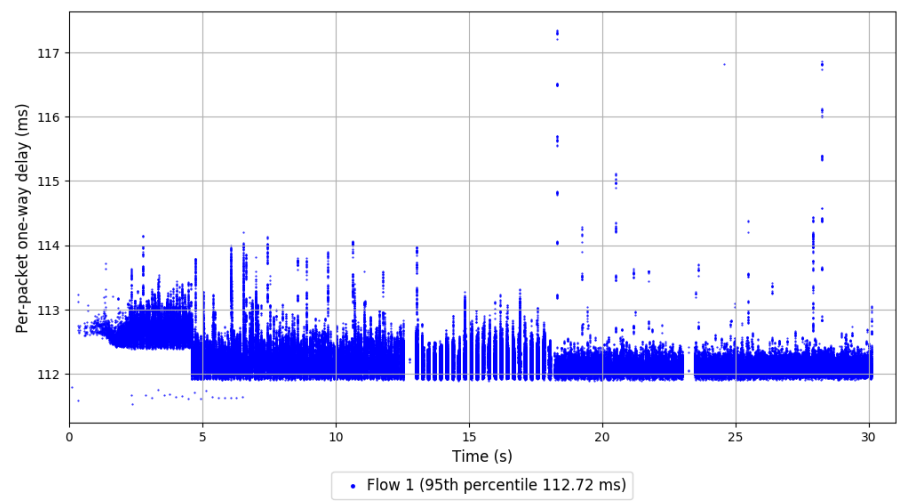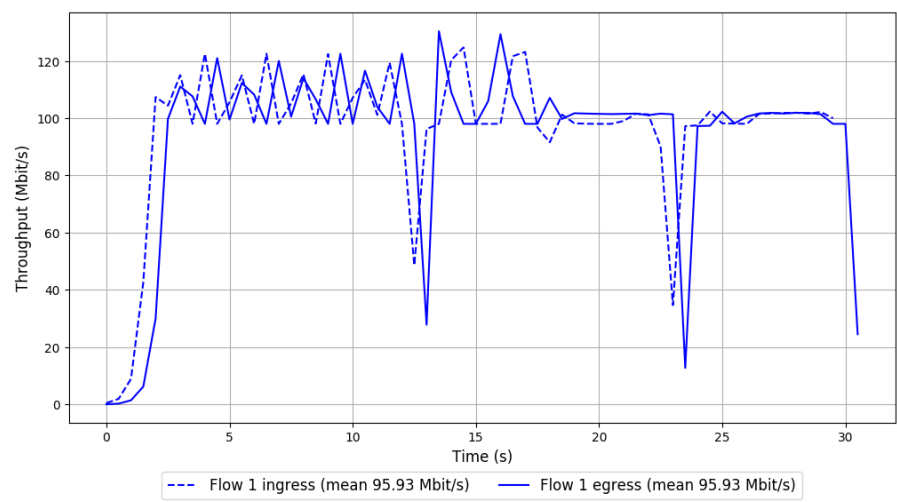### (mean of all runs by scheme)

test from GCE Tokyo to GCE London, 10 runs of 30s each per scheme

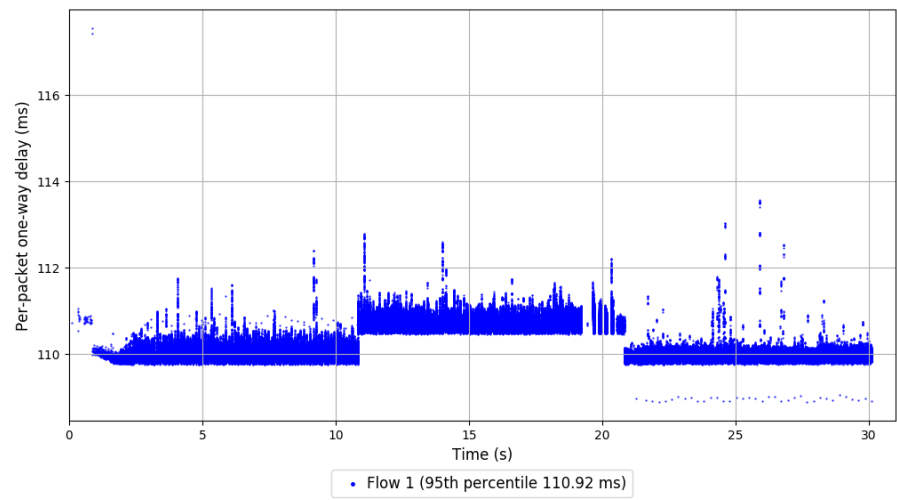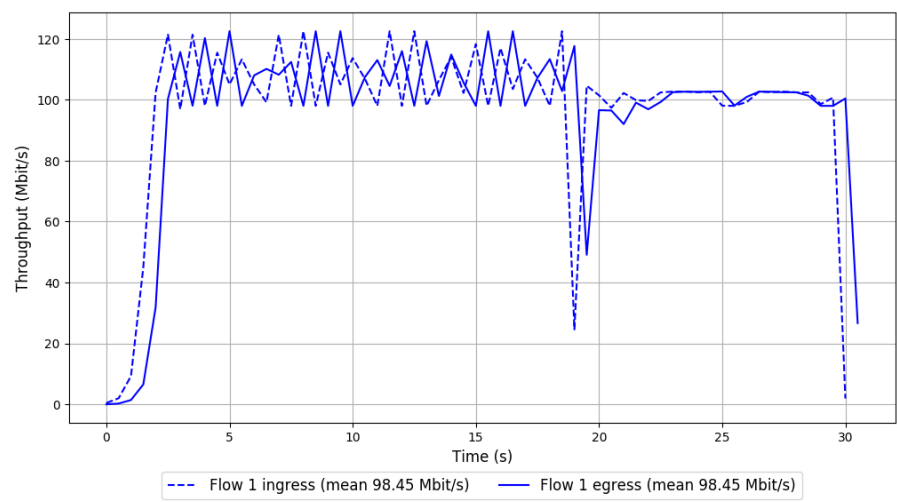| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.91	112.15	0.00
Copa	10	191.78	127.84	0.10
TCP Cubic	10	78.14	120.80	0.01
FillP	10	823.54	179.28	3.49
FillP-Sheep	10	833.85	180.26	3.66
Indigo	10	170.39	112.51	0.00
LEDBAT	10	6.98	112.19	0.00
PCC-Allegro	10	553.21	167.54	1.63
PCC-Expr	10	230.92	154.25	0.48
QUIC Cubic	9	58.15	111.32	0.00
SCReAM	10	0.22	111.39	0.00
Sprout	10	0.21	111.32	0.00
TaoVA-100x	10	158.24	114.60	0.00
TCP Vegas	10	52.45	115.26	0.00
Verus	10	172.64	173.34	0.94
PCC-Vivace	10	335.54	124.71	0.14
WebRTC media	10	1.86	111.89	0.00

3

```
Run 1: Statistics of TCP BBR

Start at: 2018-07-31 23:13:23
End at: 2018-07-31 23:13:53
Local clock offset: 12.619 ms
Remote clock offset: 12.219 ms

# Below is generated by plot.py at 2018-08-01 02:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 112.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 112.724 ms
Loss rate: 0.00%
```
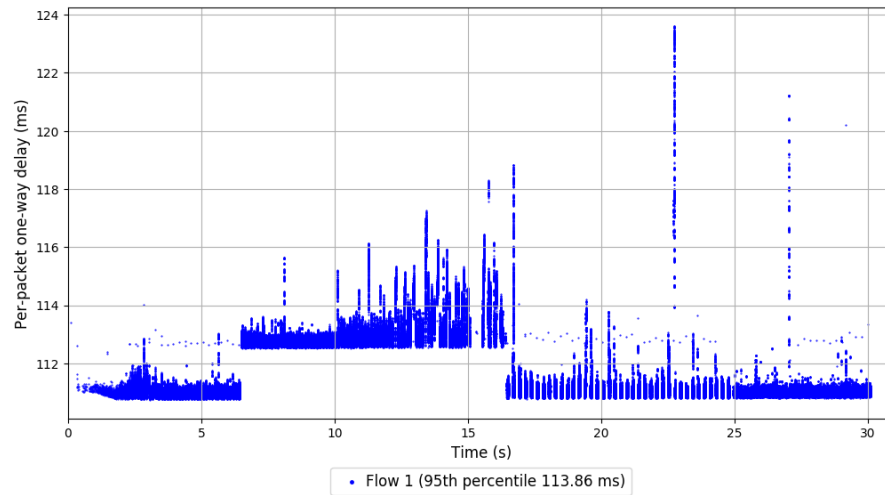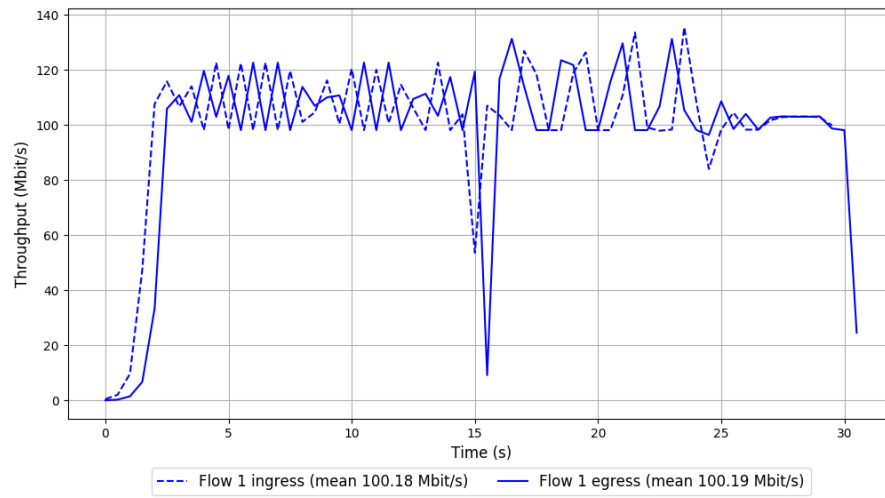
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-07-31 23:36:17
End at: 2018-07-31 23:36:47
Local clock offset: 20.642 ms
Remote clock offset: 18.015 ms


# Below is generated by plot.py at 2018-08-01 02:54:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.45 Mbit/s
95th percentile per-packet one-way delay: 110.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.45 Mbit/s
95th percentile per-packet one-way delay: 110.925 ms
Loss rate: 0.00%
```
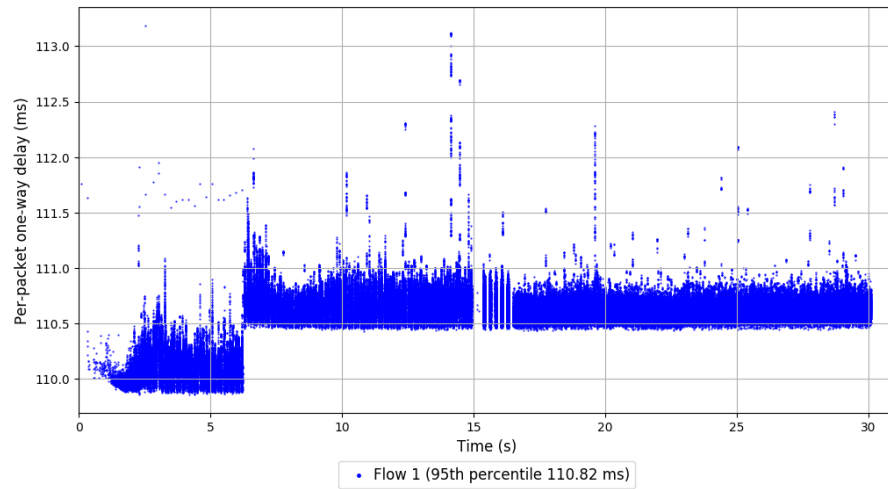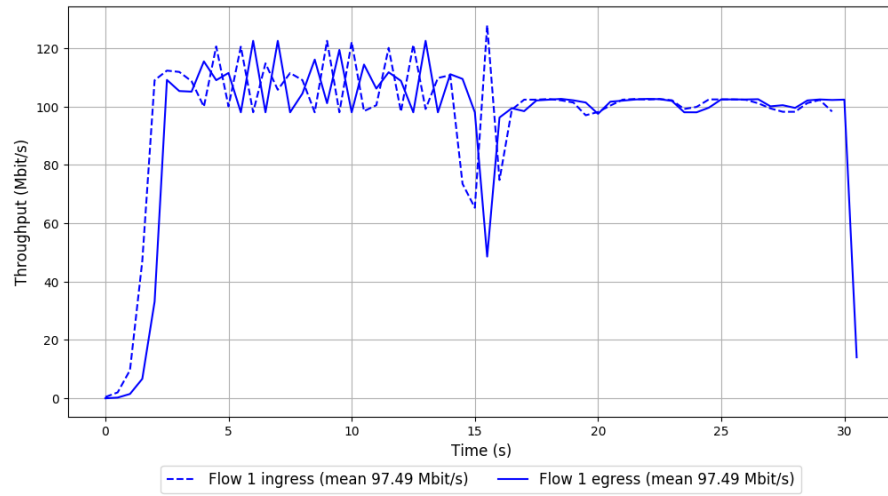
Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2018-07-31 23:59:02
End at: 2018-07-31 23:59:32
Local clock offset: 38.734 ms
Remote clock offset: 35.731 ms


# Below is generated by plot.py at 2018-08-01 02:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.19 Mbit/s
95th percentile per-packet one-way delay: 113.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.19 Mbit/s
95th percentile per-packet one-way delay: 113.855 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link

```
Run 4: Statistics of TCP BBR

Start at: 2018-08-01 00:21:32
End at: 2018-08-01 00:22:02
Local clock offset: 15.751 ms
Remote clock offset: 14.741 ms


# Below is generated by plot.py at 2018-08-01 02:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 110.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 110.824 ms
Loss rate: 0.00%
```
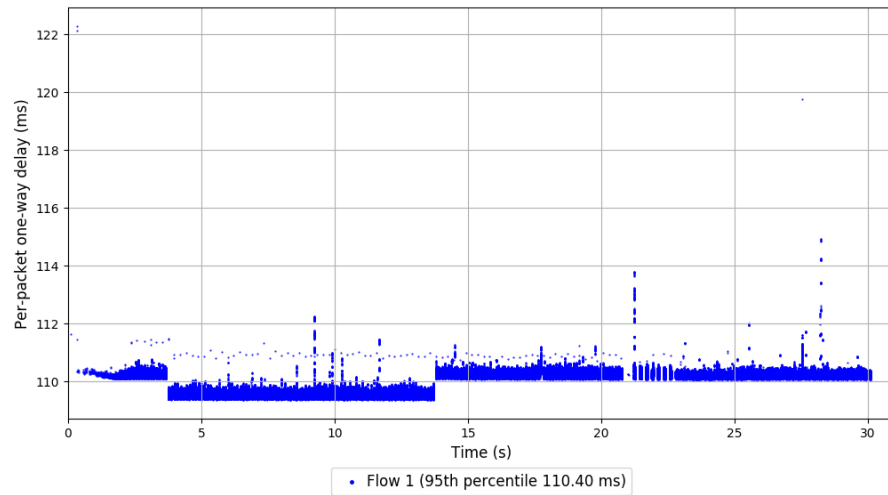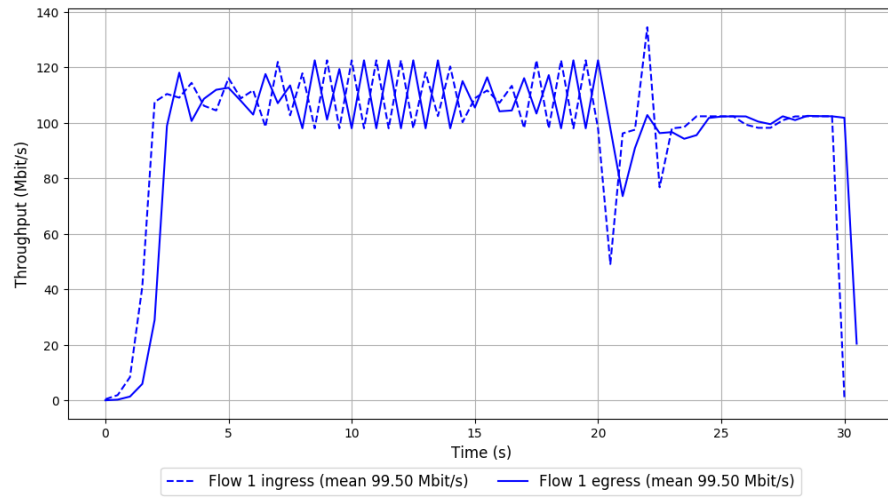
Run 4: Report of TCP BBR — Data Link

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

Flow 1 (95th percentile 110.82 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-08-01 00:44:04
End at: 2018-08-01 00:44:34
Local clock offset: 9.628 ms
Remote clock offset: 8.94 ms


# Below is generated by plot.py at 2018-08-01 02:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.50 Mbit/s
95th percentile per-packet one-way delay: 110.404 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.50 Mbit/s
95th percentile per-packet one-way delay: 110.404 ms
Loss rate: 0.00%
```
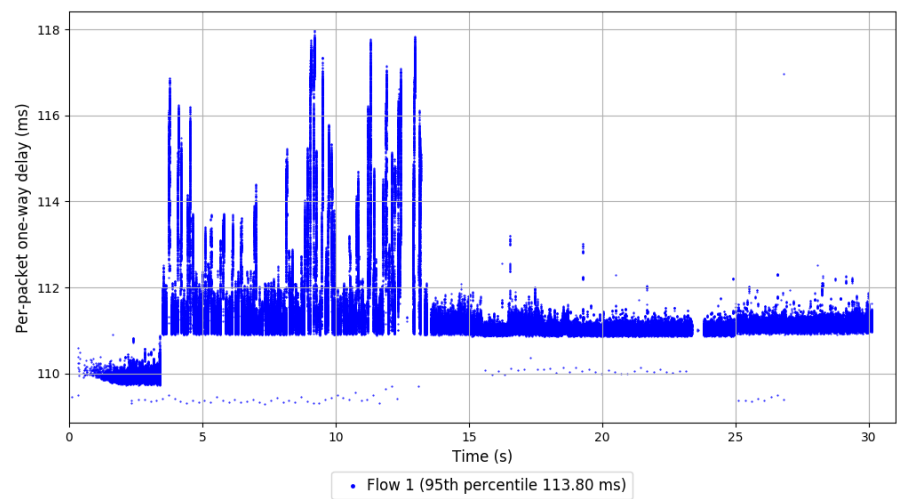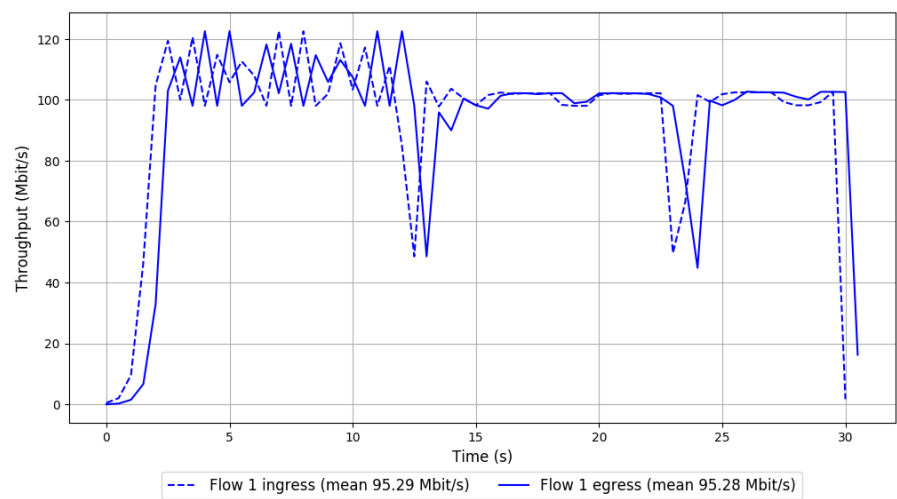
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 99.50 Mbit/s)   Flow 1 egress (mean 99.50 Mbit/s)

Flow 1 (95th percentile 110.40 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-08-01 01:07:03
End at: 2018-08-01 01:07:33
Local clock offset: 9.851 ms
Remote clock offset: 8.642 ms


# Below is generated by plot.py at 2018-08-01 02:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 113.804 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 113.804 ms
Loss rate: 0.01%
```
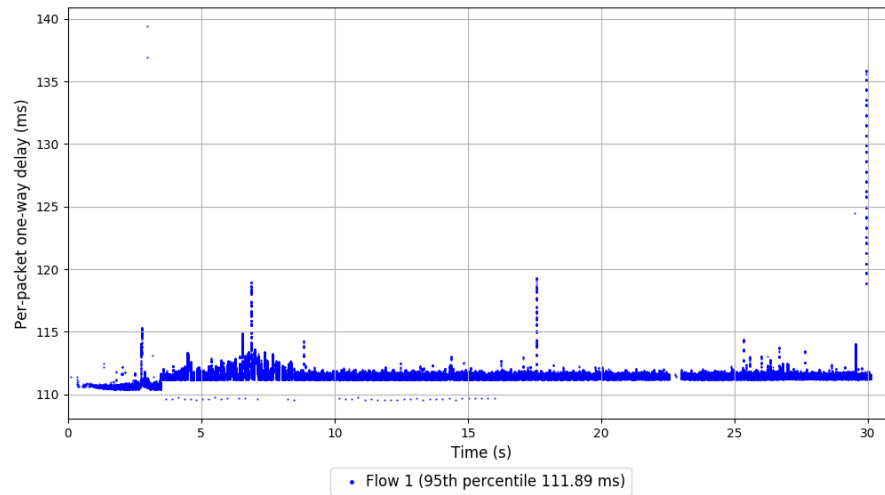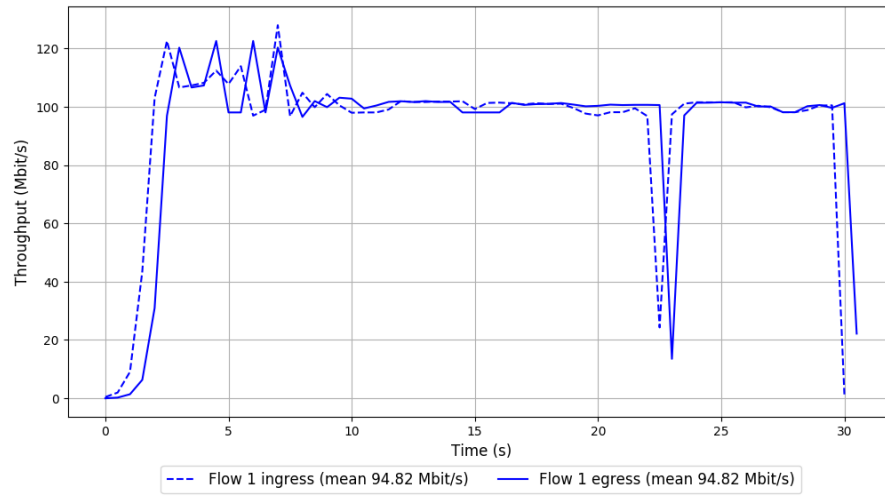
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.29 Mbit/s)   Flow 1 egress (mean 95.28 Mbit/s)

Flow 1 (95th percentile 113.80 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-08-01 01:29:55
End at: 2018-08-01 01:30:25
Local clock offset: 3.903 ms
Remote clock offset: 2.165 ms


# Below is generated by plot.py at 2018-08-01 02:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 111.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 111.886 ms
Loss rate: 0.00%
```
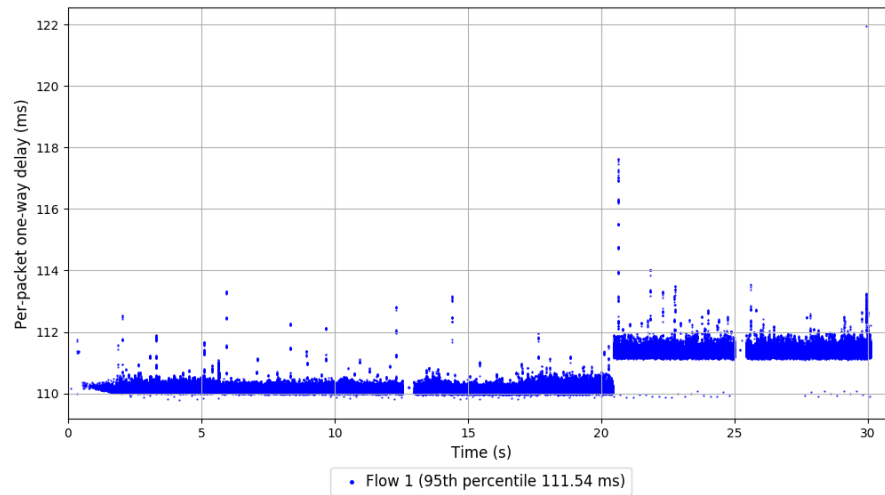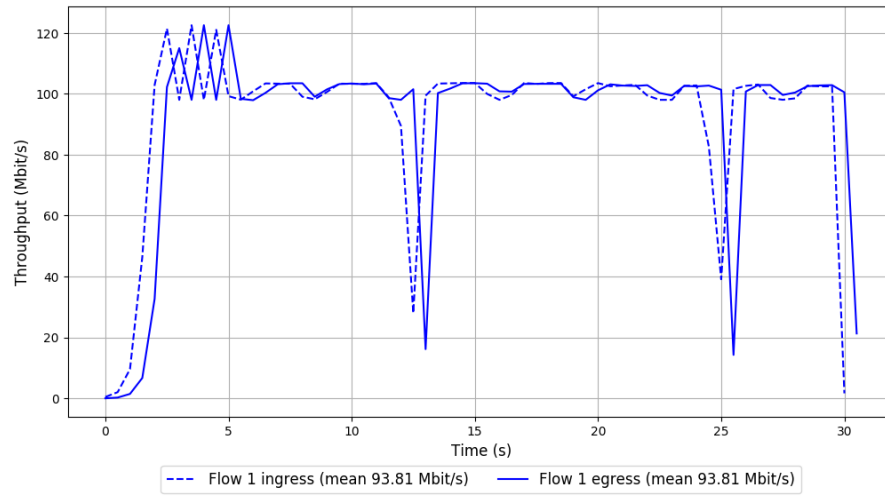
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.82 Mbit/s) ——— Flow 1 egress (mean 94.82 Mbit/s)

• Flow 1 (95th percentile 111.89 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2018-08-01 01:52:38
End at: 2018-08-01 01:53:08
Local clock offset: 1.628 ms
Remote clock offset: 0.506 ms


# Below is generated by plot.py at 2018-08-01 02:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 111.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 111.537 ms
Loss rate: 0.00%
```
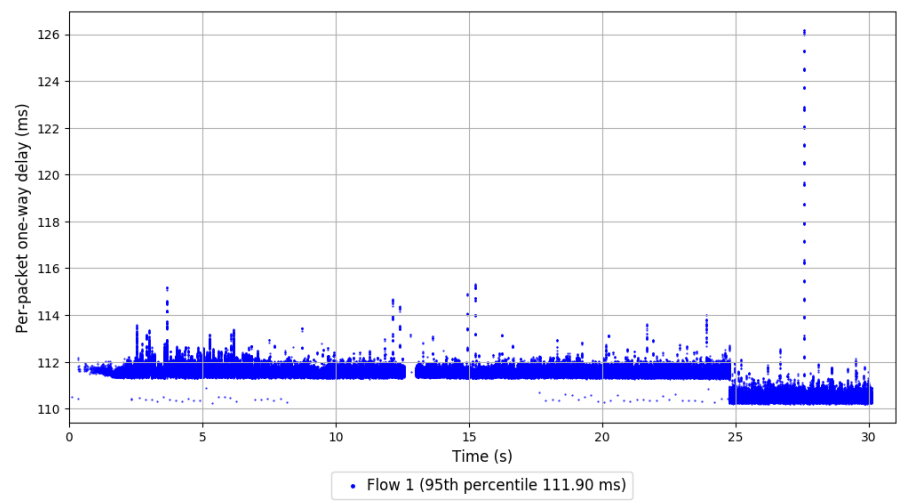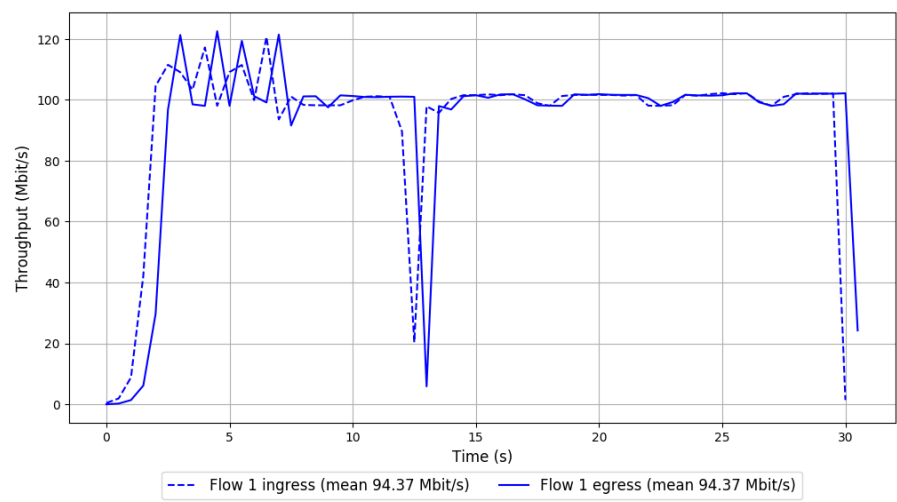
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 93.81 Mbit/s)   —— Flow 1 egress (mean 93.81 Mbit/s)

Flow 1 (95th percentile 111.54 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-08-01 02:15:23
End at: 2018-08-01 02:15:53
Local clock offset: 1.042 ms
Remote clock offset: 0.891 ms


# Below is generated by plot.py at 2018-08-01 02:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 111.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 111.901 ms
Loss rate: 0.00%
```
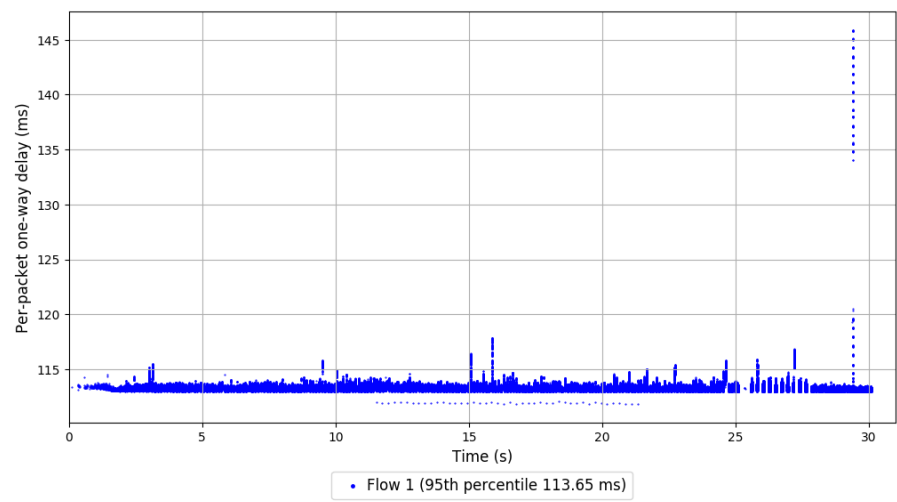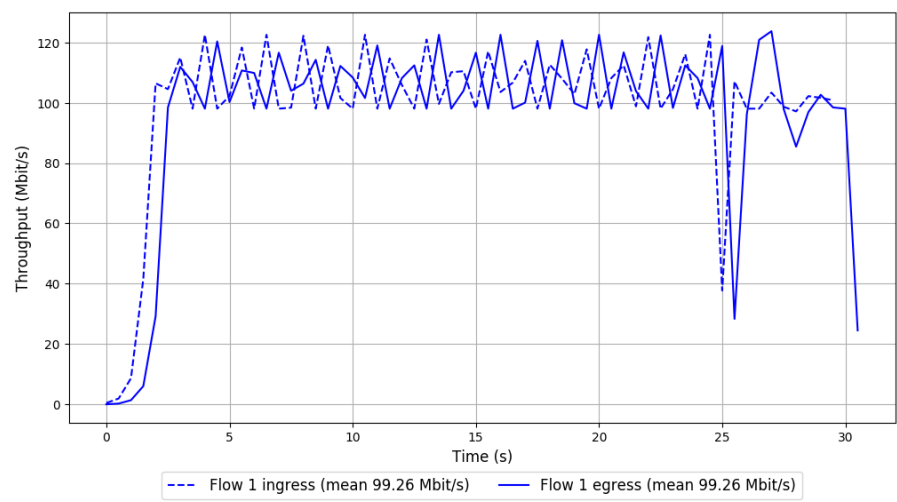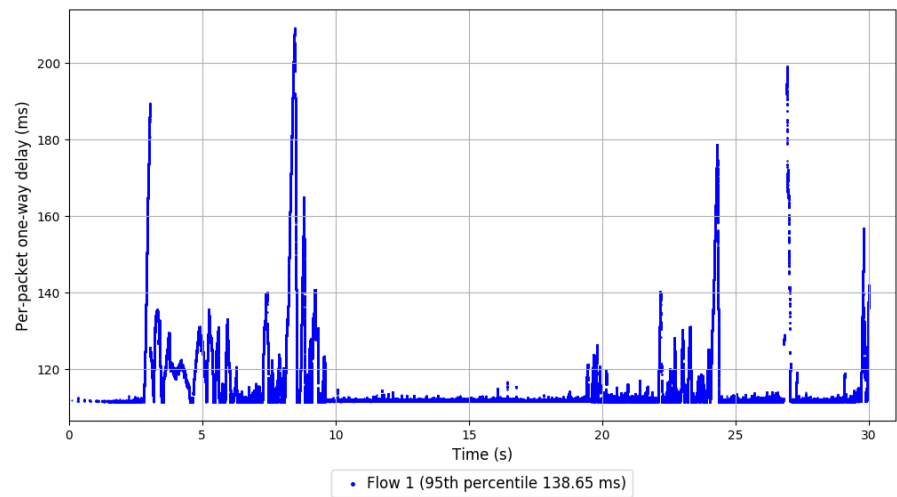
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.37 Mbit/s)   ——— Flow 1 egress (mean 94.37 Mbit/s)

Flow 1 (95th percentile 111.90 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-08-01 02:38:19
End at: 2018-08-01 02:38:49
Local clock offset: -0.98 ms
Remote clock offset: 1.781 ms


# Below is generated by plot.py at 2018-08-01 02:55:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.26 Mbit/s
95th percentile per-packet one-way delay: 113.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.26 Mbit/s
95th percentile per-packet one-way delay: 113.654 ms
Loss rate: 0.00%
```
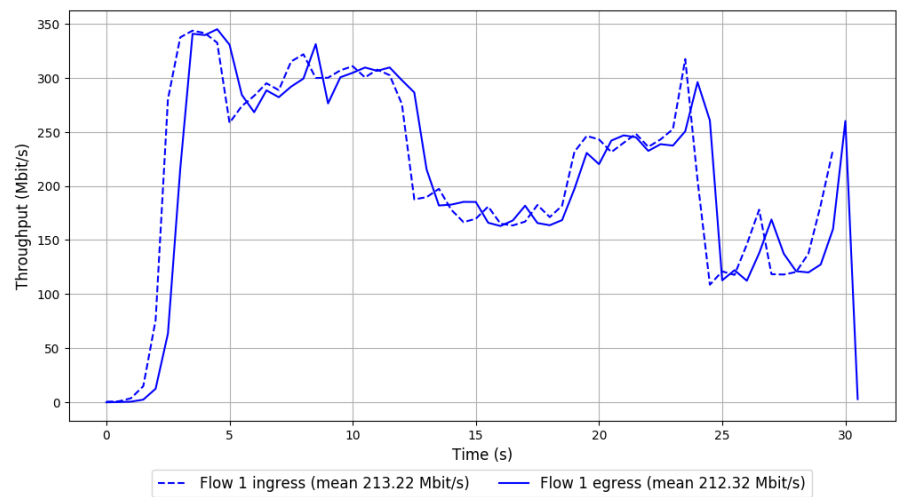
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 99.26 Mbit/s) — — — Flow 1 egress (mean 99.26 Mbit/s)
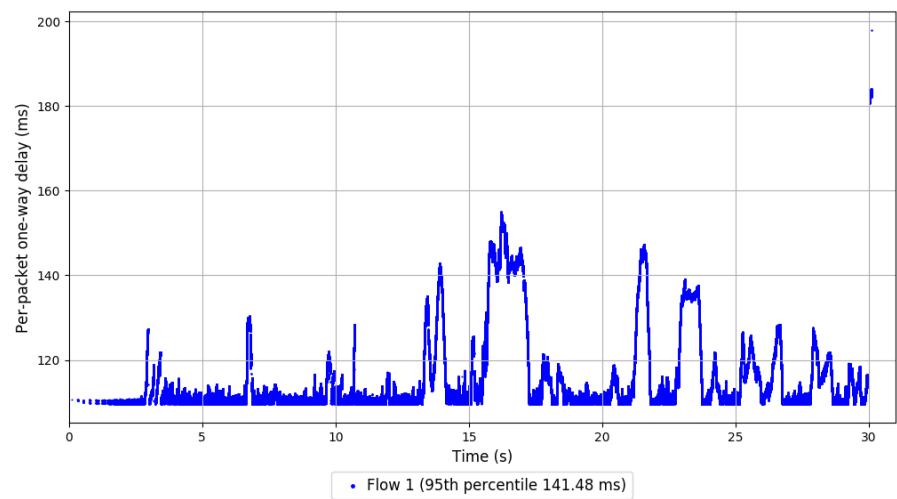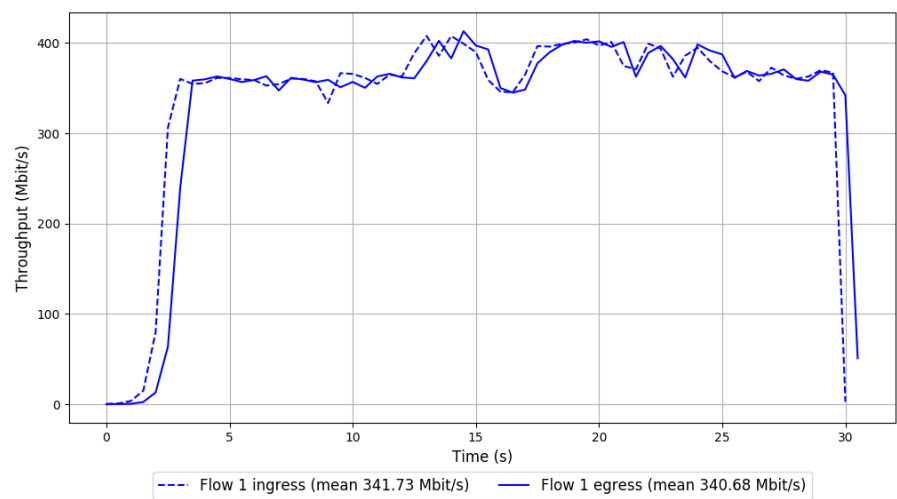

• Flow 1 (95th percentile 113.65 ms)

```
Run 1: Statistics of Copa

Start at: 2018-07-31 23:04:38
End at: 2018-07-31 23:05:08
Local clock offset: 10.586 ms
Remote clock offset: 9.284 ms

# Below is generated by plot.py at 2018-08-01 03:00:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.32 Mbit/s
95th percentile per-packet one-way delay: 138.646 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 212.32 Mbit/s
95th percentile per-packet one-way delay: 138.646 ms
Loss rate: 0.42%
```

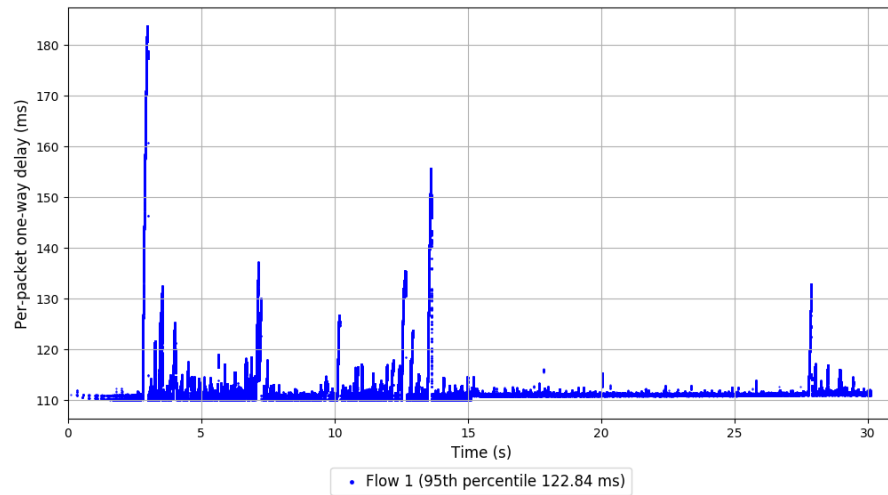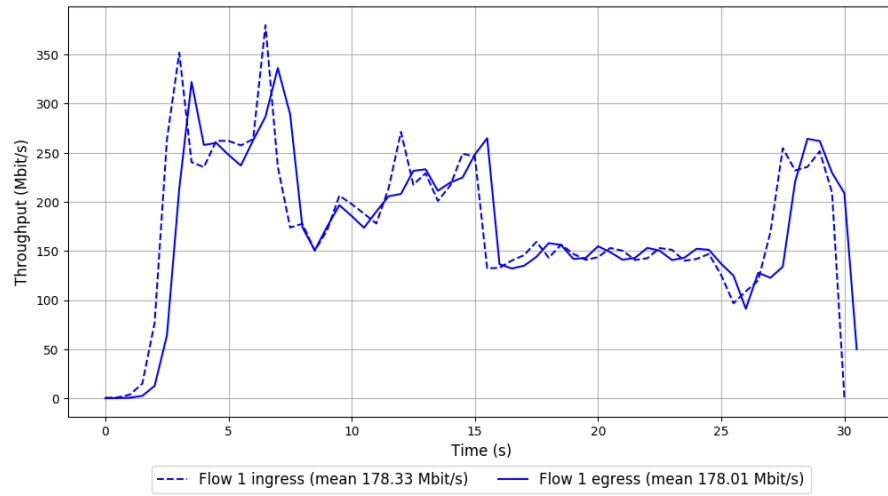Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2018-07-31 23:27:26
End at: 2018-07-31 23:27:56
Local clock offset: 26.088 ms
Remote clock offset: 23.019 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 340.68 Mbit/s
95th percentile per-packet one-way delay: 141.476 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 340.68 Mbit/s
95th percentile per-packet one-way delay: 141.476 ms
Loss rate: 0.31%
```
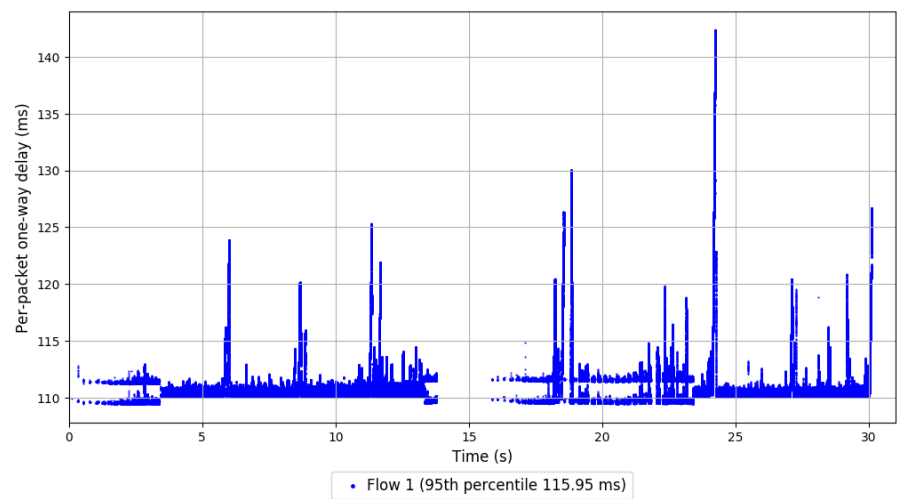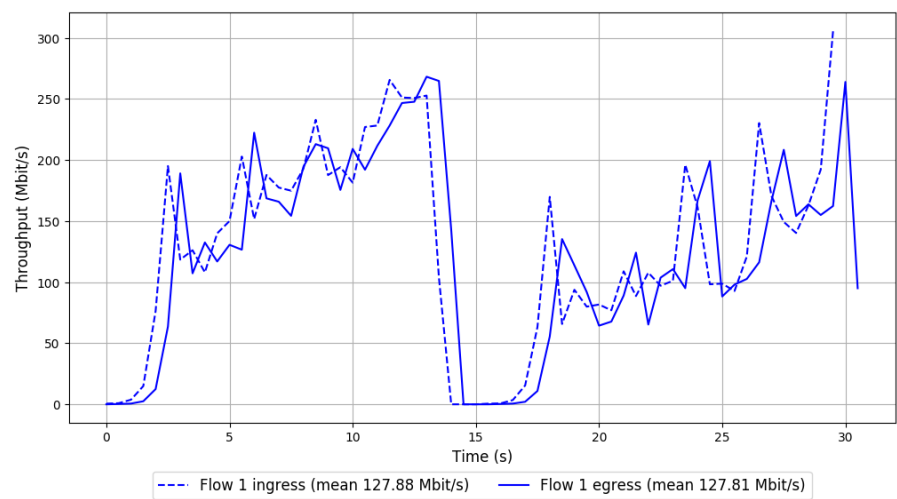
Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 341.73 Mbit/s)   Flow 1 egress (mean 340.68 Mbit/s)

Flow 1 (95th percentile 141.48 ms)

```
Run 3: Statistics of Copa

Start at: 2018-07-31 23:50:13
End at: 2018-07-31 23:50:43
Local clock offset: 30.34 ms
Remote clock offset: 26.792 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.01 Mbit/s
95th percentile per-packet one-way delay: 122.842 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 178.01 Mbit/s
95th percentile per-packet one-way delay: 122.842 ms
Loss rate: 0.18%
```
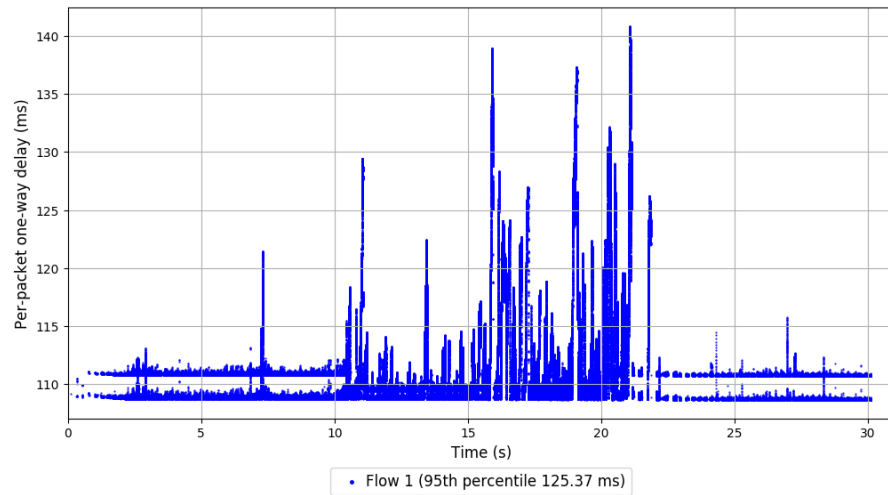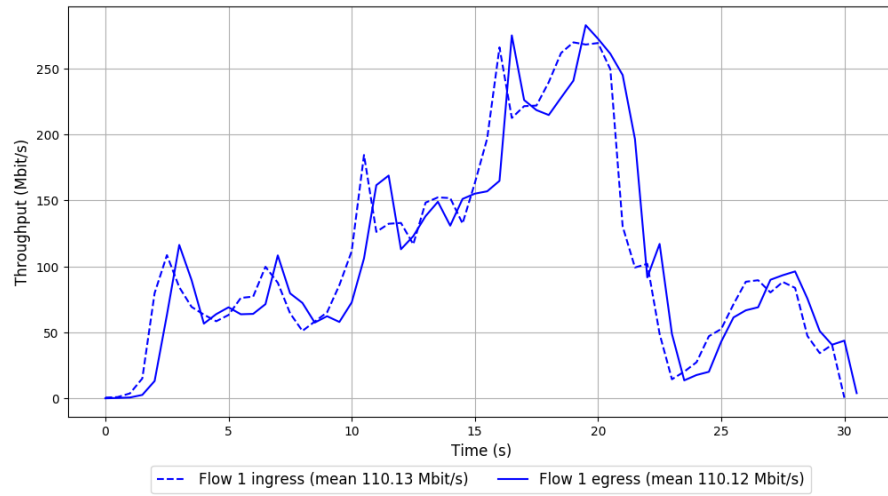
Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2018-08-01 00:12:55
End at: 2018-08-01 00:13:25
Local clock offset: 17.009 ms
Remote clock offset: 15.548 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.81 Mbit/s
95th percentile per-packet one-way delay: 115.949 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 127.81 Mbit/s
95th percentile per-packet one-way delay: 115.949 ms
Loss rate: 0.05%
```
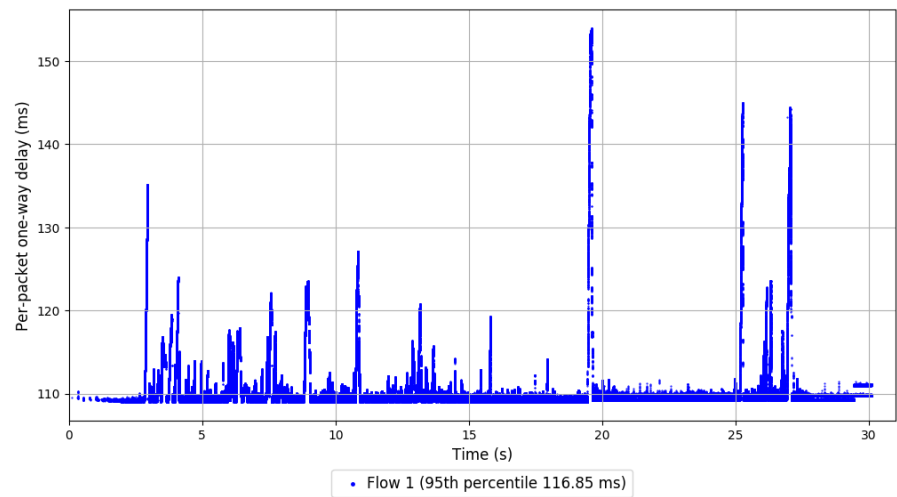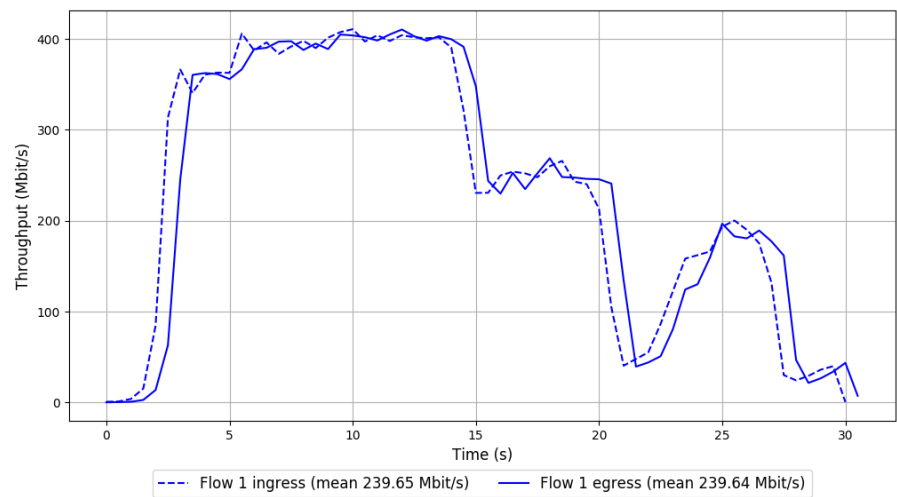
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2018-08-01 00:35:17
End at: 2018-08-01 00:35:47
Local clock offset: 19.807 ms
Remote clock offset: 17.615 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.12 Mbit/s
95th percentile per-packet one-way delay: 125.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.12 Mbit/s
95th percentile per-packet one-way delay: 125.366 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-08-01 00:58:09
End at: 2018-08-01 00:58:39
Local clock offset: 8.2 ms
Remote clock offset: 7.203 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.64 Mbit/s
95th percentile per-packet one-way delay: 116.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.64 Mbit/s
95th percentile per-packet one-way delay: 116.849 ms
Loss rate: 0.00%
```
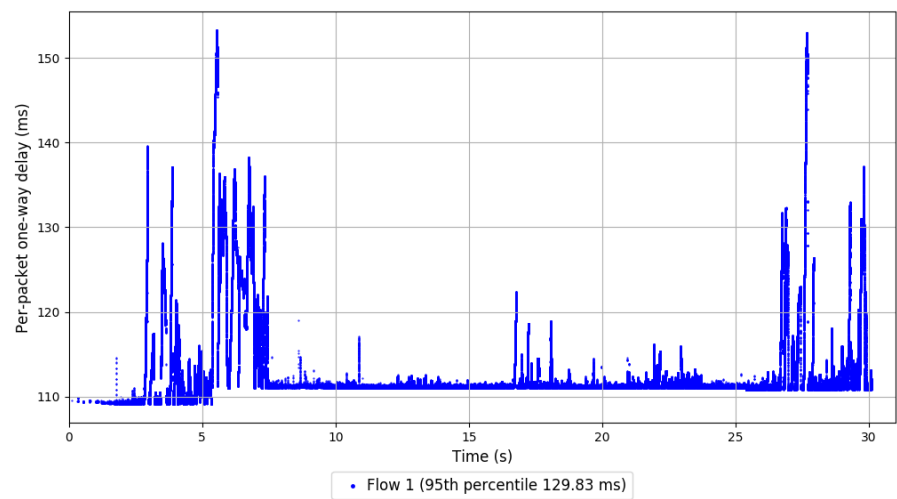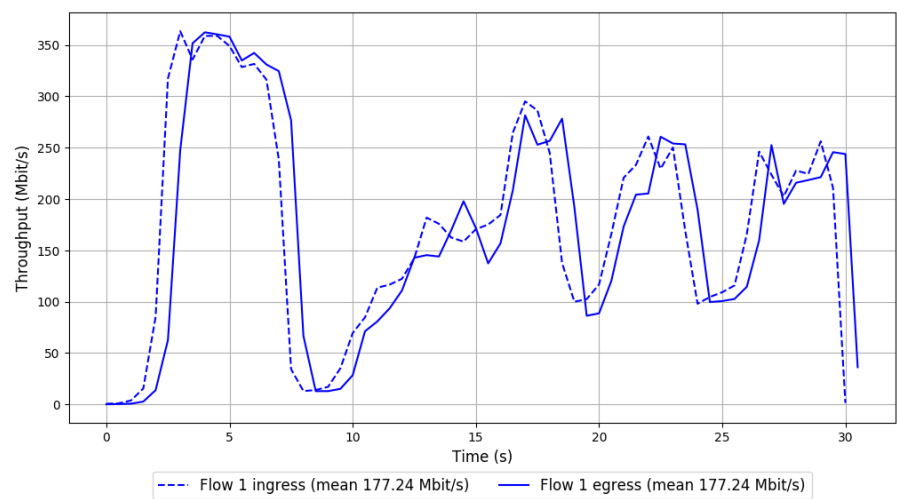
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2018-08-01 01:21:03
End at: 2018-08-01 01:21:33
Local clock offset: 4.034 ms
Remote clock offset: 2.74 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.24 Mbit/s
95th percentile per-packet one-way delay: 129.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.24 Mbit/s
95th percentile per-packet one-way delay: 129.833 ms
Loss rate: 0.00%
```
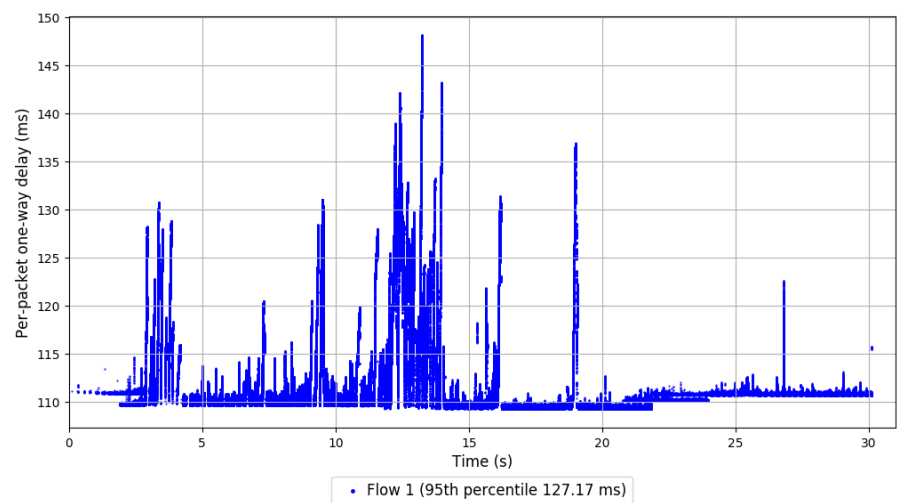
Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2018-08-01 01:43:56
End at: 2018-08-01 01:44:26
Local clock offset: 4.382 ms
Remote clock offset: 1.35 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 143.66 Mbit/s
95th percentile per-packet one-way delay: 127.165 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 143.66 Mbit/s
95th percentile per-packet one-way delay: 127.165 ms
Loss rate: 0.01%
```
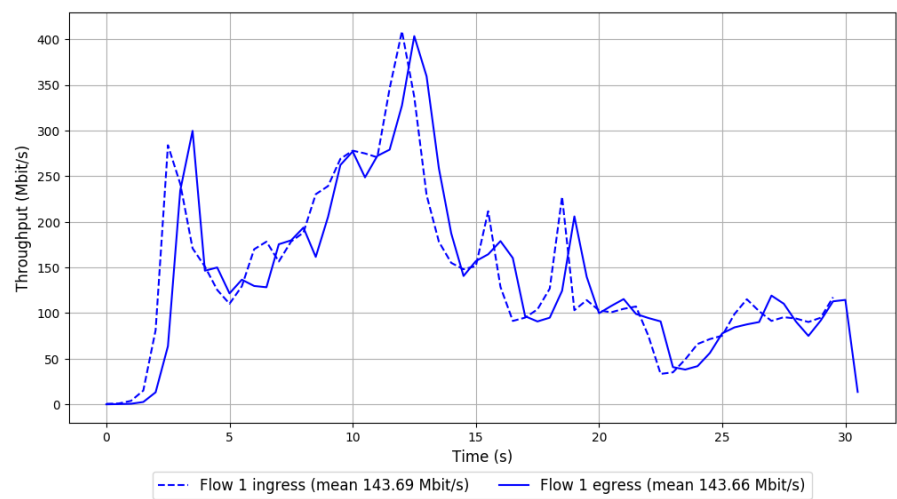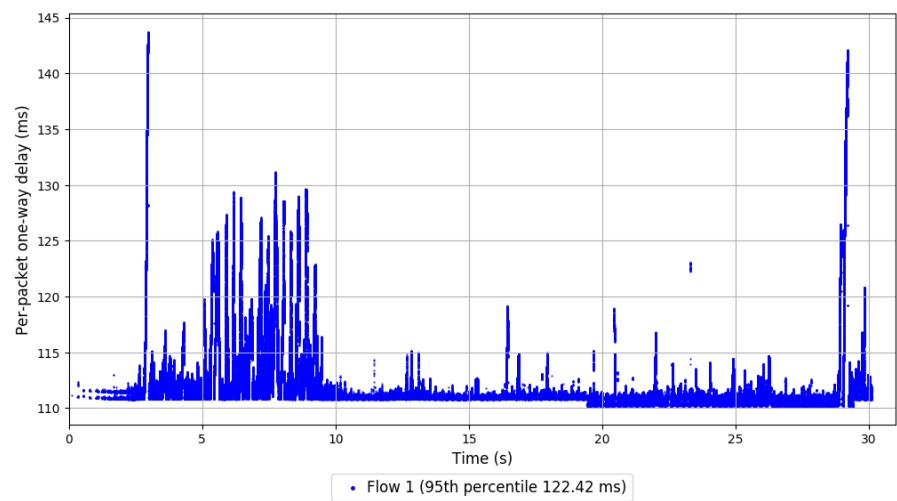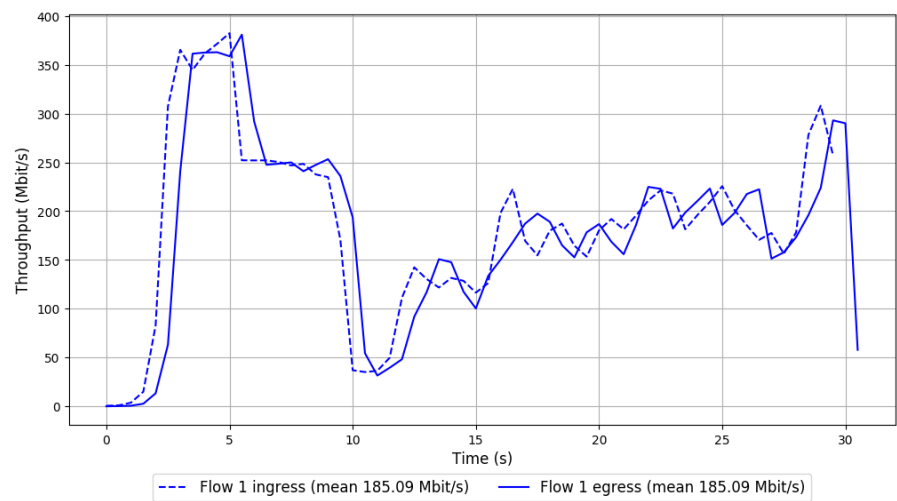
Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-08-01 02:06:29
End at: 2018-08-01 02:06:59
Local clock offset: 0.937 ms
Remote clock offset: 0.713 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.09 Mbit/s
95th percentile per-packet one-way delay: 122.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.09 Mbit/s
95th percentile per-packet one-way delay: 122.416 ms
Loss rate: 0.00%
```
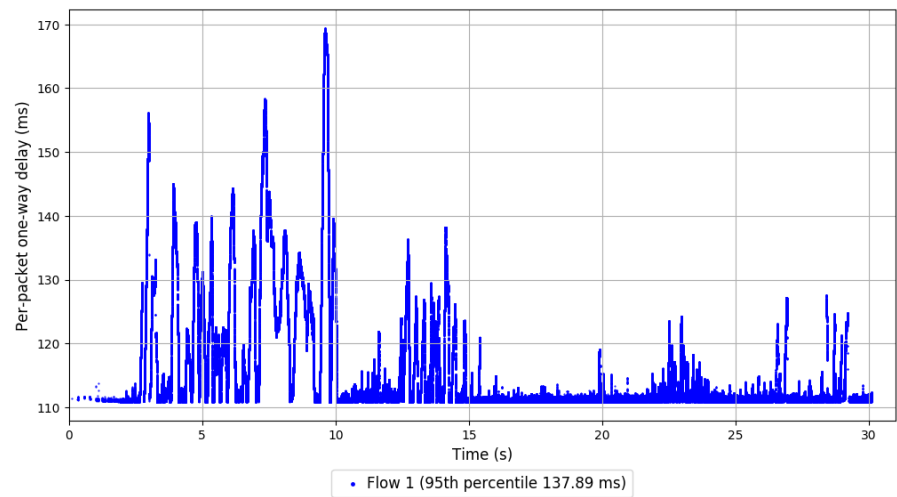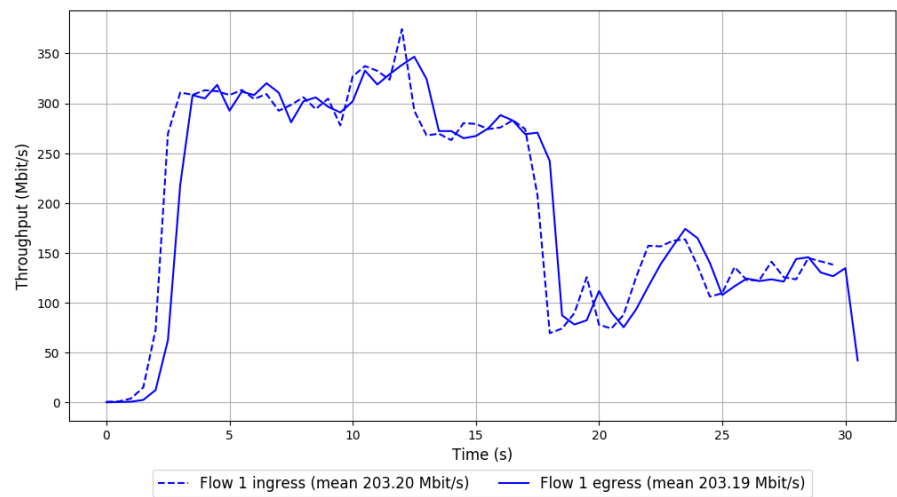
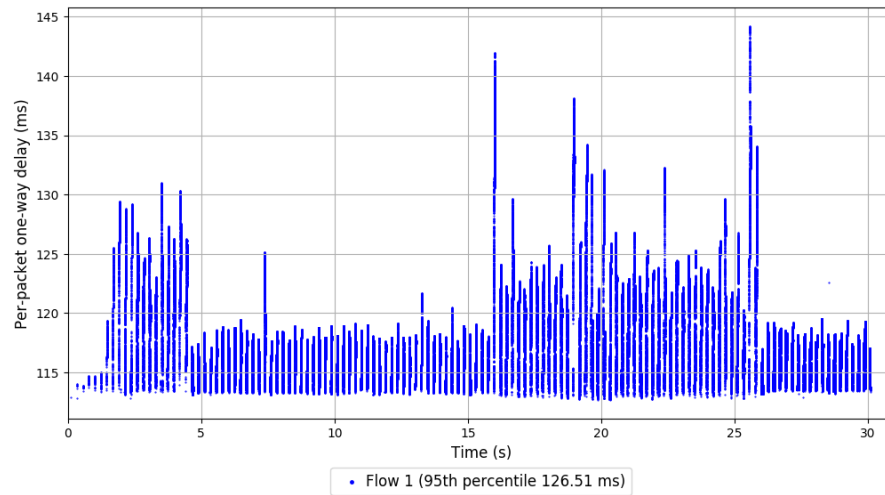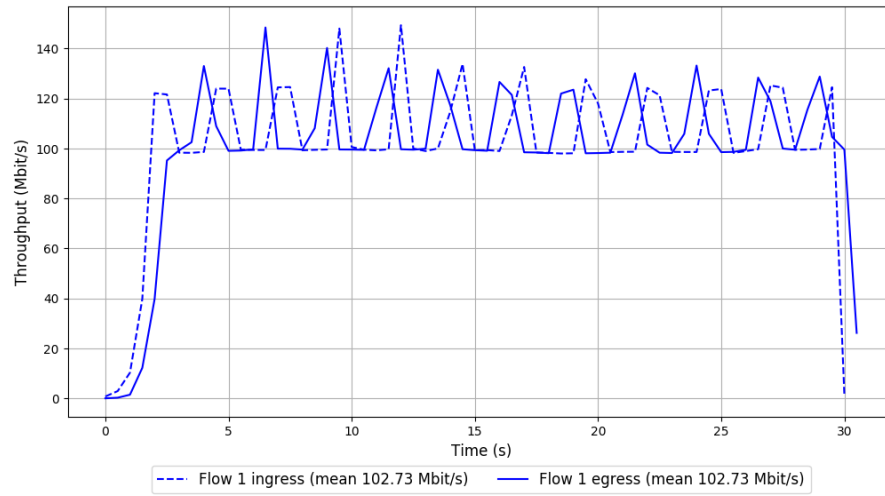Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 185.09 Mbit/s) —— Flow 1 egress (mean 185.09 Mbit/s)

• Flow 1 (95th percentile 122.42 ms)

```
Run 10: Statistics of Copa

Start at: 2018-08-01 02:29:31
End at: 2018-08-01 02:30:01
Local clock offset: 0.312 ms
Remote clock offset: 1.217 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.19 Mbit/s
95th percentile per-packet one-way delay: 137.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.19 Mbit/s
95th percentile per-packet one-way delay: 137.889 ms
Loss rate: 0.00%
```
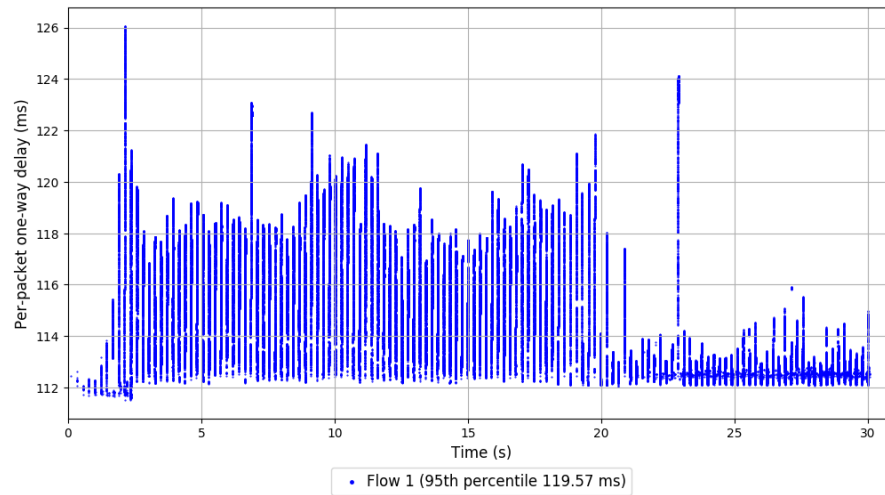
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2018-07-31 23:08:22
End at: 2018-07-31 23:08:52
Local clock offset: 15.732 ms
Remote clock offset: 15.293 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.73 Mbit/s
95th percentile per-packet one-way delay: 126.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.73 Mbit/s
95th percentile per-packet one-way delay: 126.508 ms
Loss rate: 0.00%
```
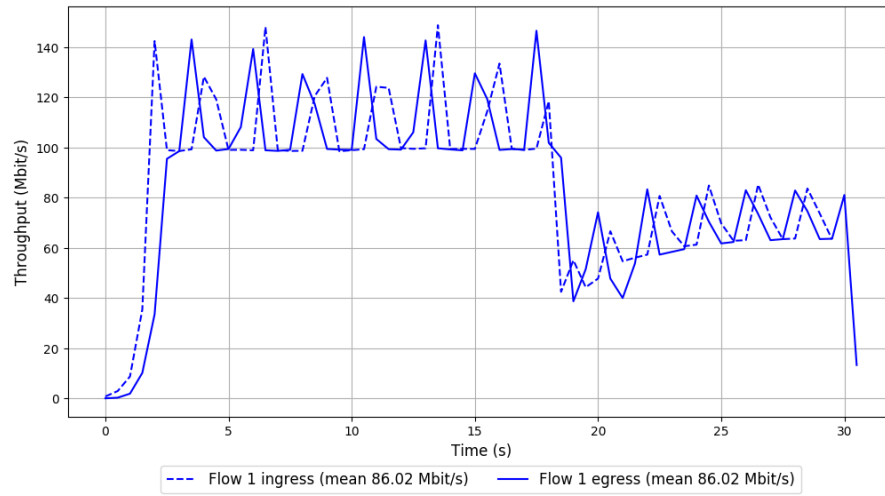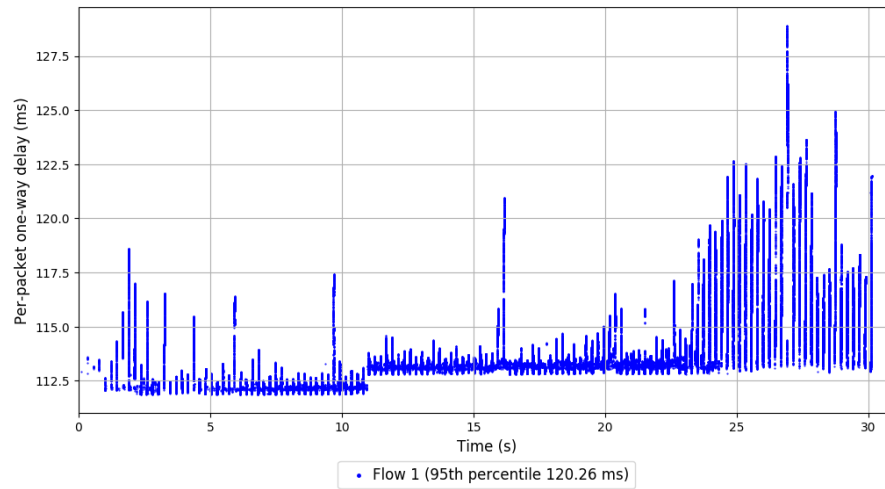
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-07-31 23:31:26
End at: 2018-07-31 23:31:56
Local clock offset: 19.909 ms
Remote clock offset: 18.948 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 119.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 119.569 ms
Loss rate: 0.00%
```
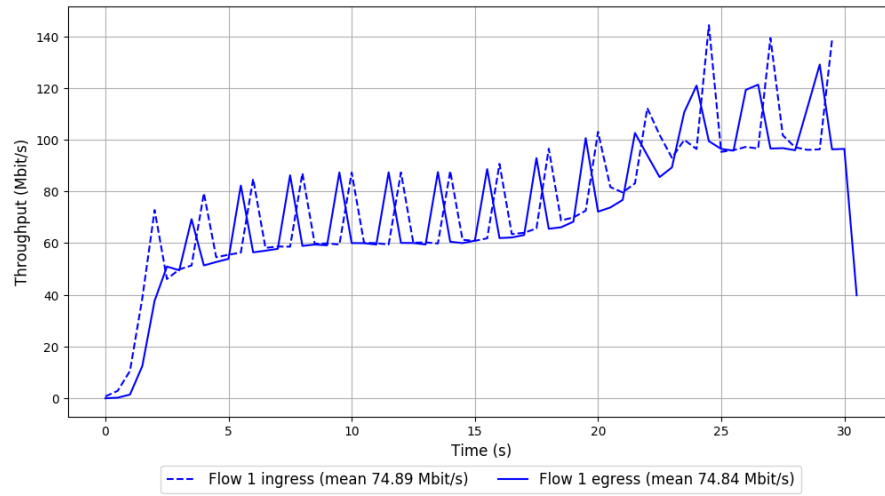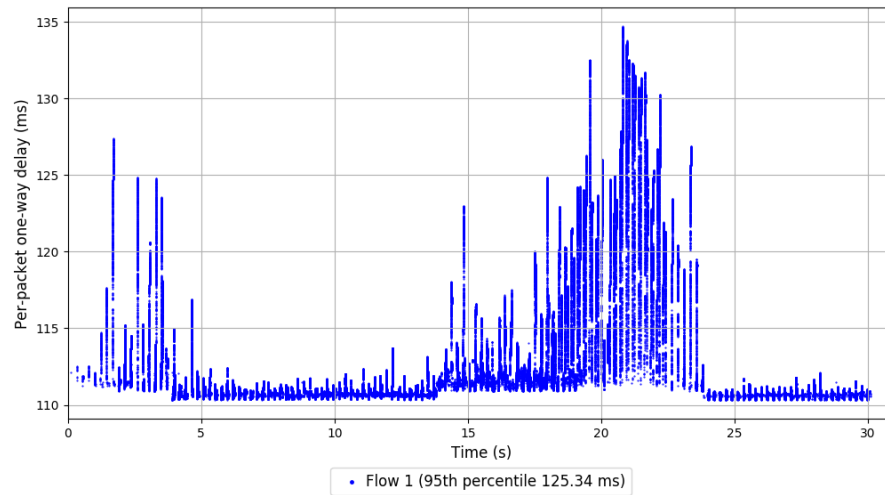
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2018-07-31 23:53:57
End at: 2018-07-31 23:54:27
Local clock offset: 32.904 ms
Remote clock offset: 30.789 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 120.258 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 120.258 ms
Loss rate: 0.05%
```
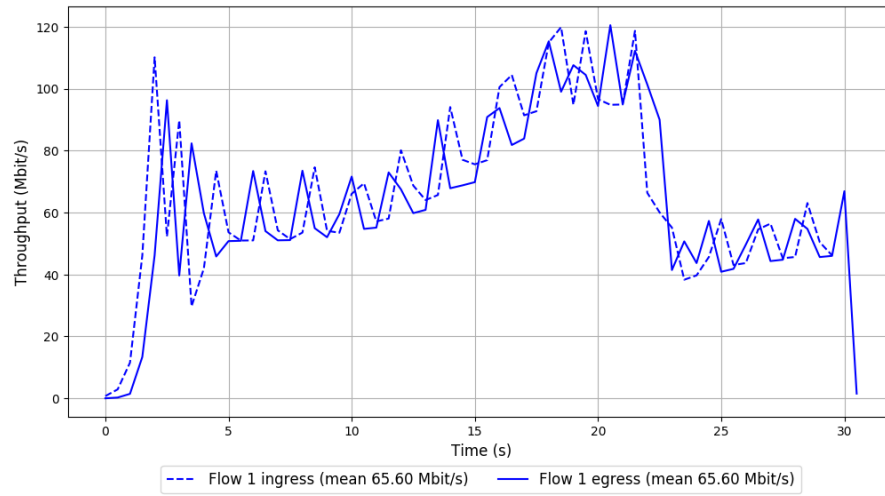
Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 00:16:34
End at: 2018-08-01 00:17:04
Local clock offset: 14.433 ms
Remote clock offset: 13.895 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.60 Mbit/s
95th percentile per-packet one-way delay: 125.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.60 Mbit/s
95th percentile per-packet one-way delay: 125.338 ms
Loss rate: 0.00%
```
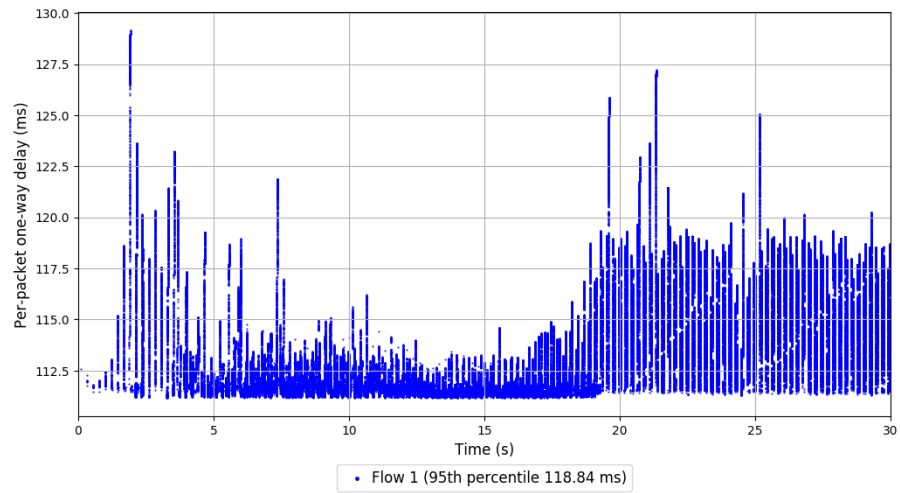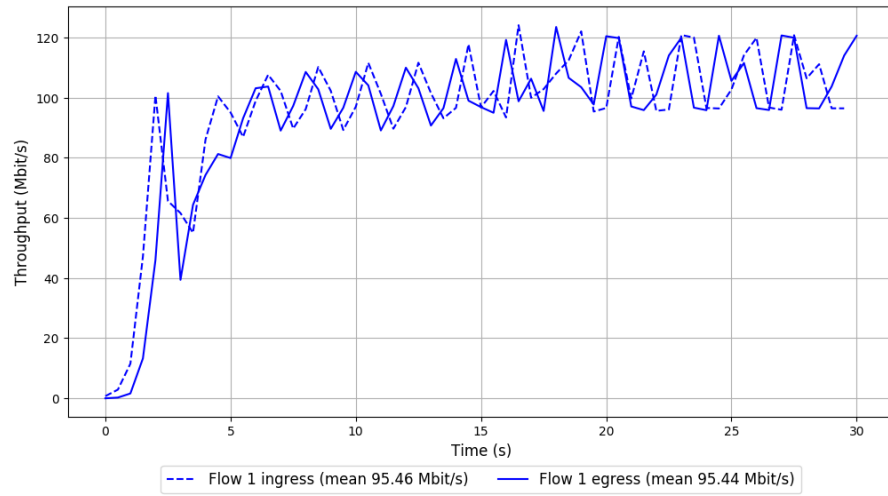
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 65.60 Mbit/s) — — — Flow 1 egress (mean 65.60 Mbit/s)

Flow 1 (95th percentile 125.34 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 00:38:56
End at: 2018-08-01 00:39:26
Local clock offset: 12.506 ms
Remote clock offset: 12.55 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 118.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 118.844 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 01:01:59
End at: 2018-08-01 01:02:29
Local clock offset: 8.614 ms
Remote clock offset: 7.311 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.53 Mbit/s
95th percentile per-packet one-way delay: 116.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.53 Mbit/s
95th percentile per-packet one-way delay: 116.665 ms
Loss rate: 0.00%
```
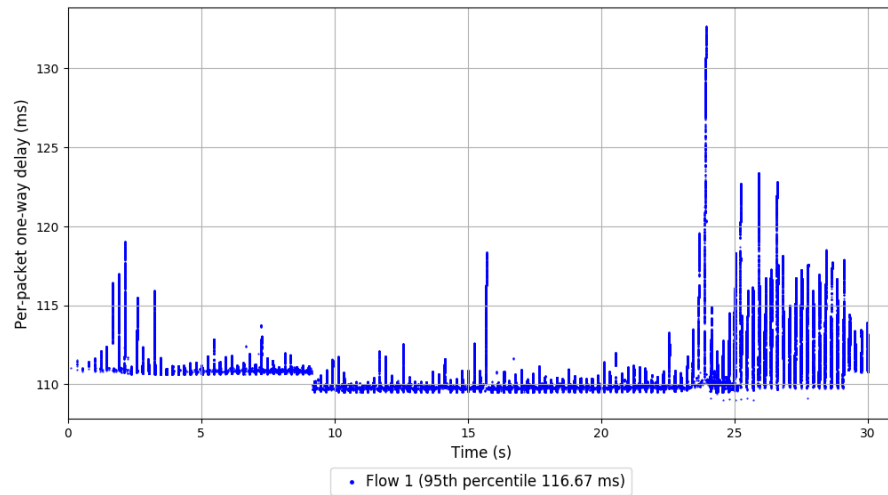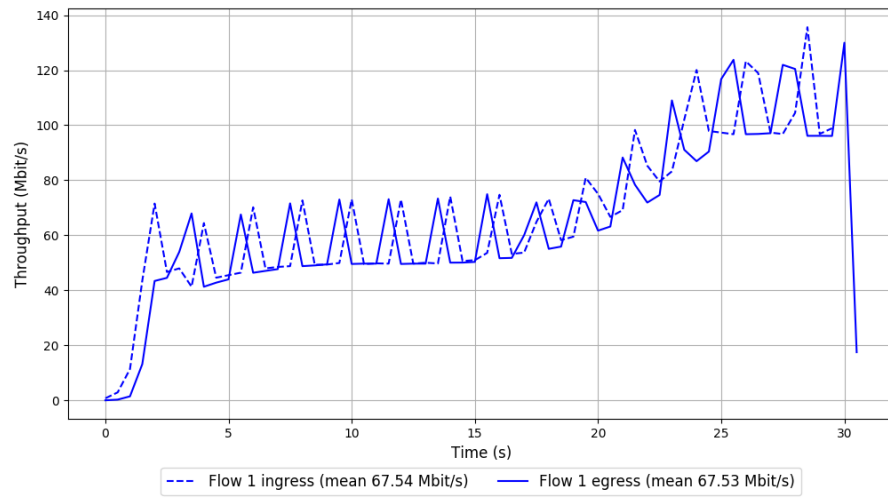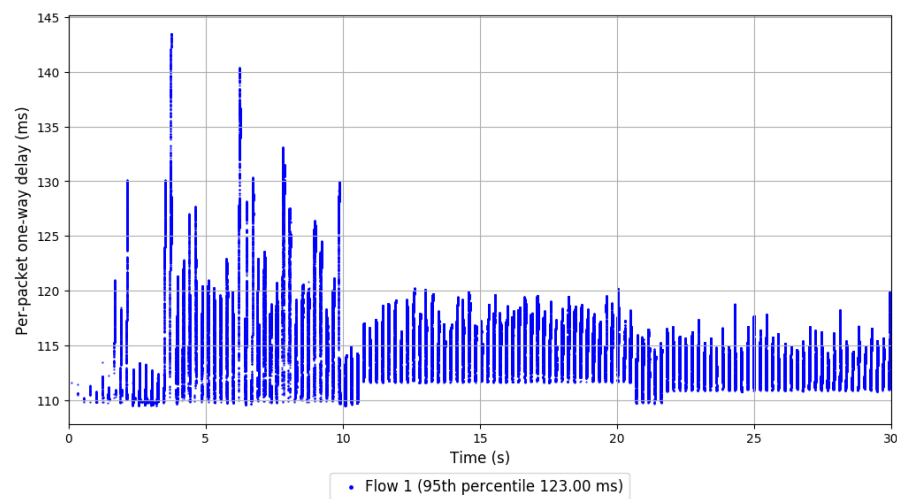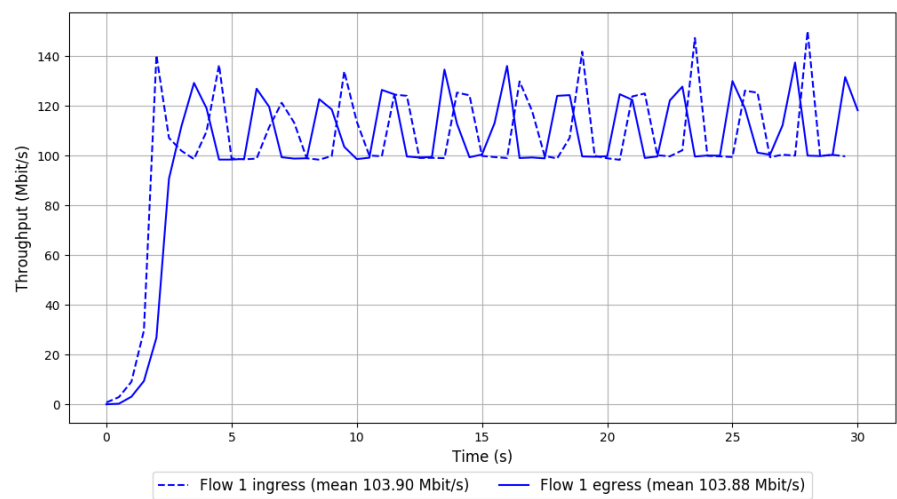
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 67.54 Mbit/s) ---- Flow 1 egress (mean 67.53 Mbit/s)

Flow 1 (95th percentile 116.67 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 01:24:47
End at: 2018-08-01 01:25:17
Local clock offset: 3.698 ms
Remote clock offset: 2.552 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.88 Mbit/s
95th percentile per-packet one-way delay: 123.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.88 Mbit/s
95th percentile per-packet one-way delay: 123.004 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 01:47:37
End at: 2018-08-01 01:48:07
Local clock offset: 1.482 ms
Remote clock offset: 1.18 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 121.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 121.573 ms
Loss rate: 0.00%
```
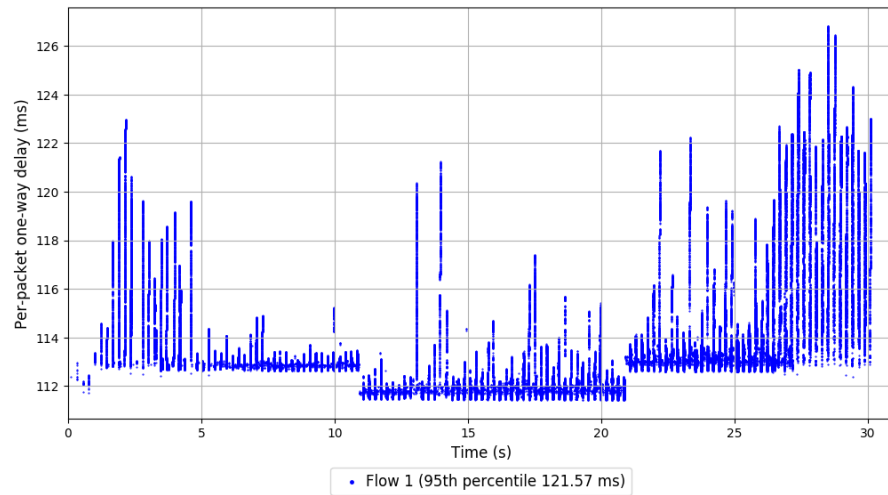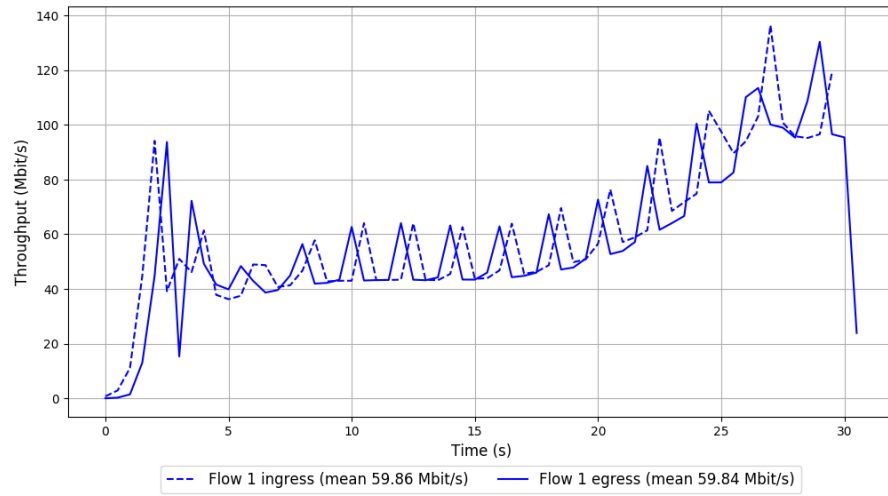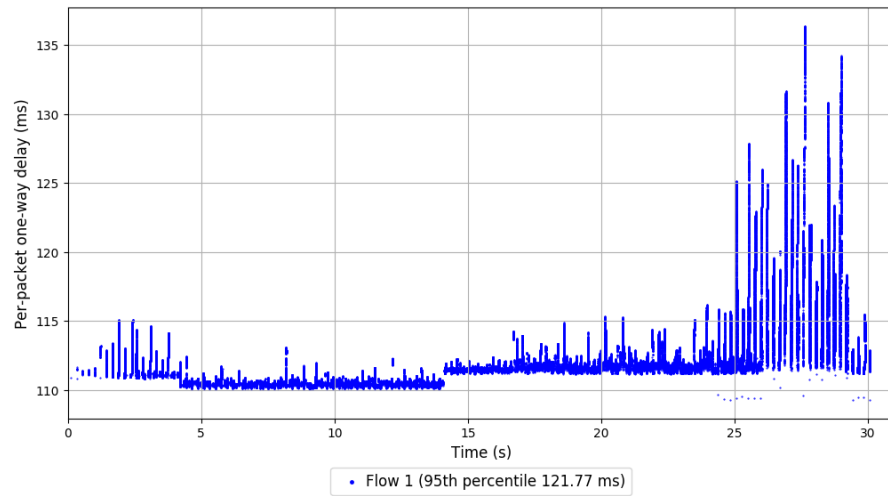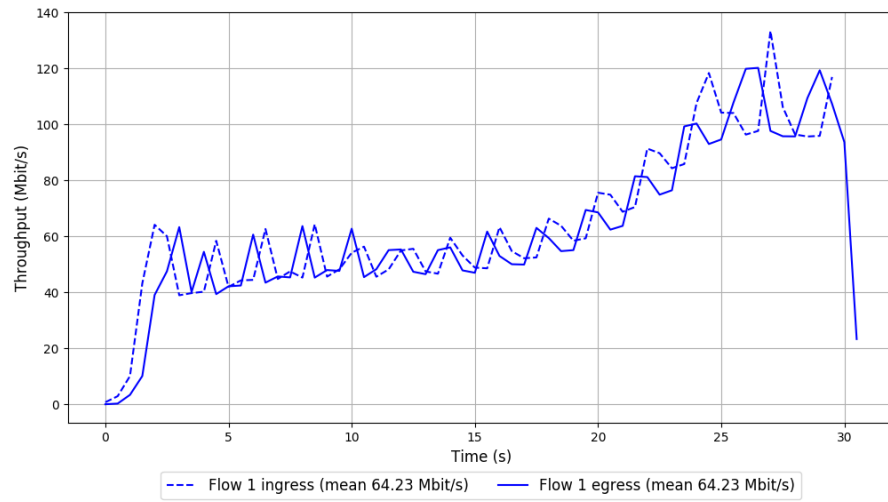
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 59.86 Mbit/s)   Flow 1 egress (mean 59.84 Mbit/s)

Flow 1 (95th percentile 121.57 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 02:10:14
End at: 2018-08-01 02:10:44
Local clock offset: 1.06 ms
Remote clock offset: 0.771 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 121.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 121.774 ms
Loss rate: 0.00%
```
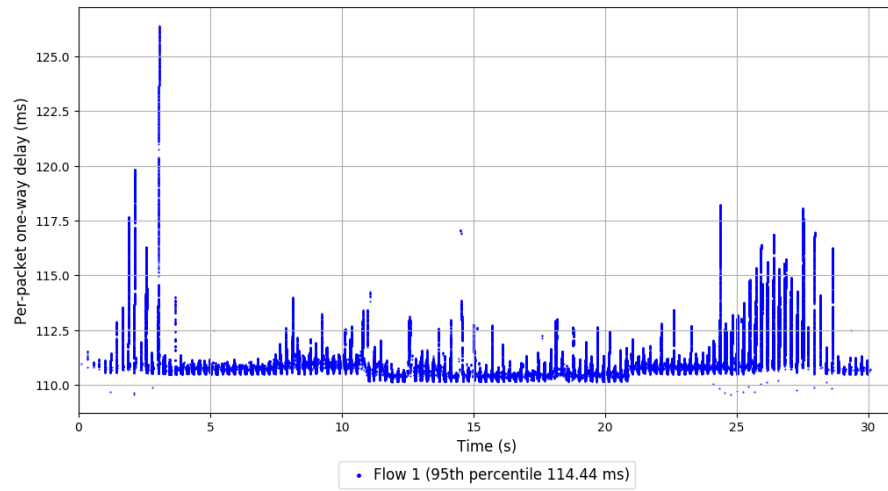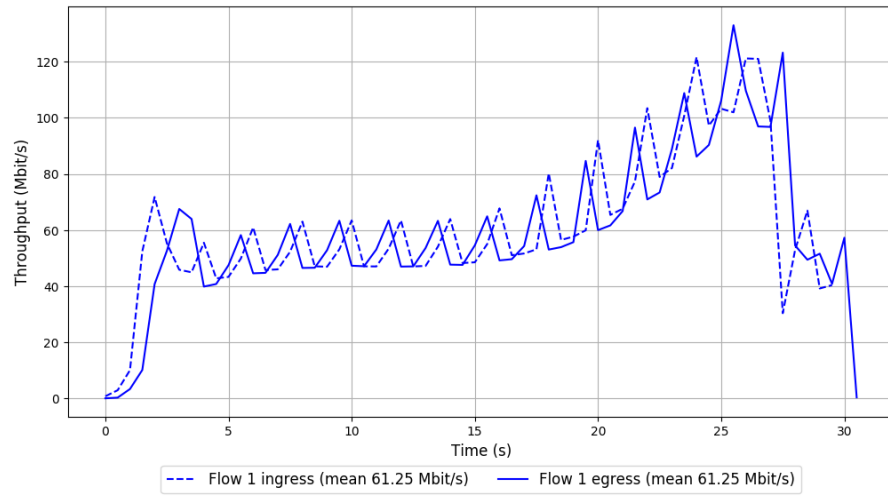
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 64.23 Mbit/s) —— Flow 1 egress (mean 64.23 Mbit/s)

• Flow 1 (95th percentile 121.77 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 02:33:17
End at: 2018-08-01 02:33:47
Local clock offset: 1.496 ms
Remote clock offset: 1.672 ms


# Below is generated by plot.py at 2018-08-01 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 114.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 114.443 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of FillP

Start at: 2018-07-31 22:56:11
End at: 2018-07-31 22:56:41
Local clock offset: 7.641 ms
Remote clock offset: 6.827 ms


# Below is generated by plot.py at 2018-08-01 03:19:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 837.78 Mbit/s
95th percentile per-packet one-way delay: 178.348 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 837.78 Mbit/s
95th percentile per-packet one-way delay: 178.348 ms
Loss rate: 2.75%
```
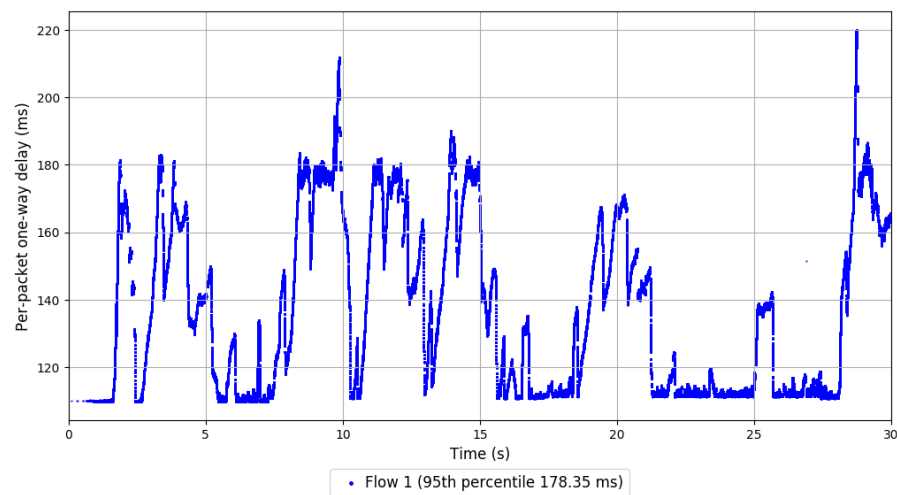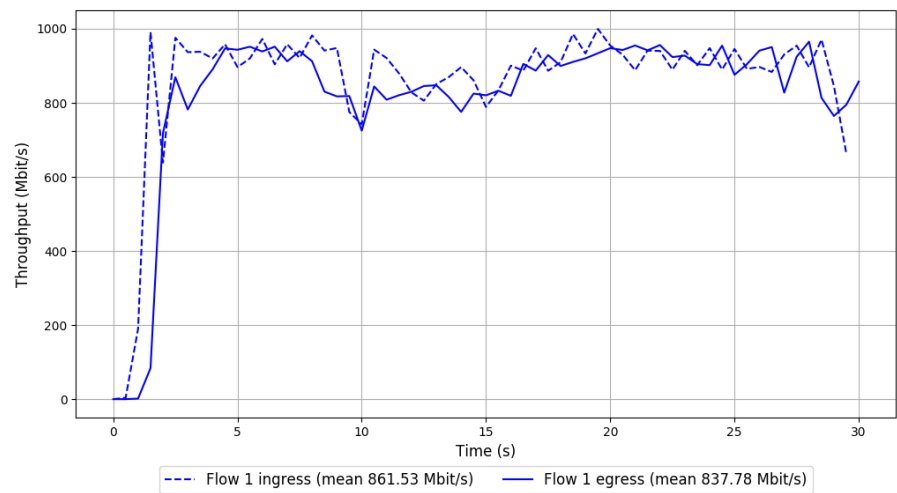
Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 861.53 Mbit/s)   Flow 1 egress (mean 837.78 Mbit/s)

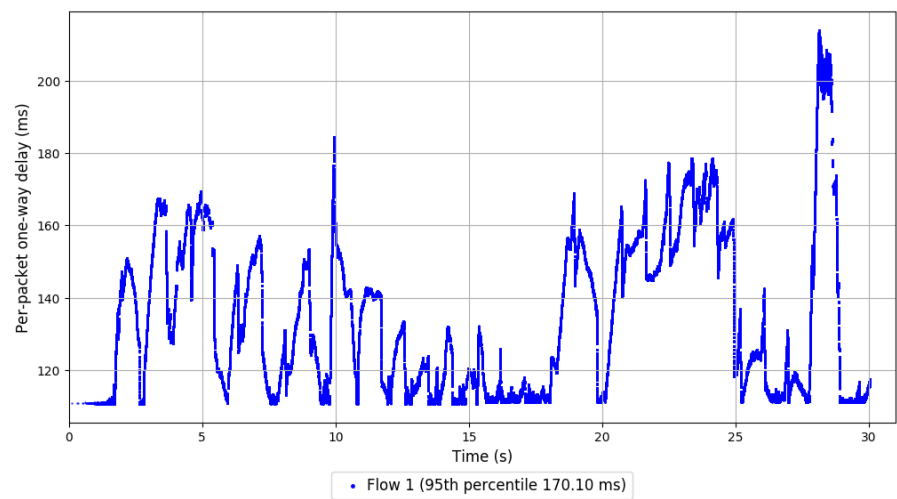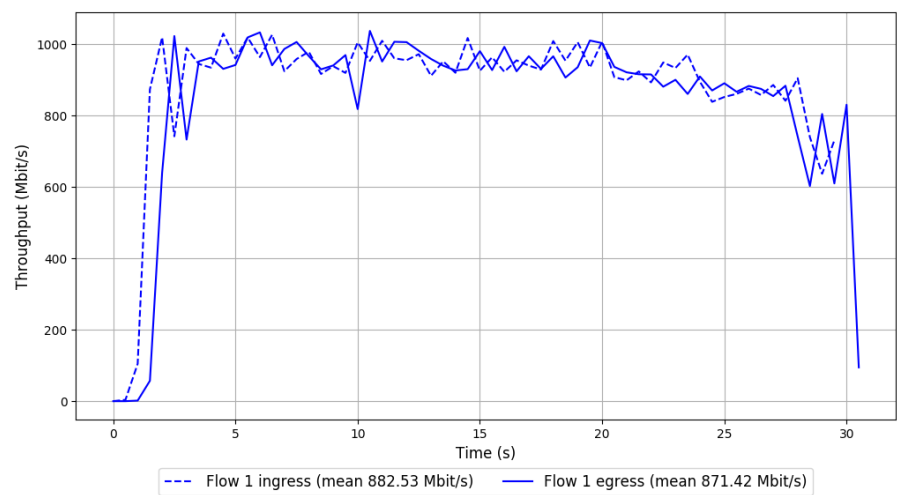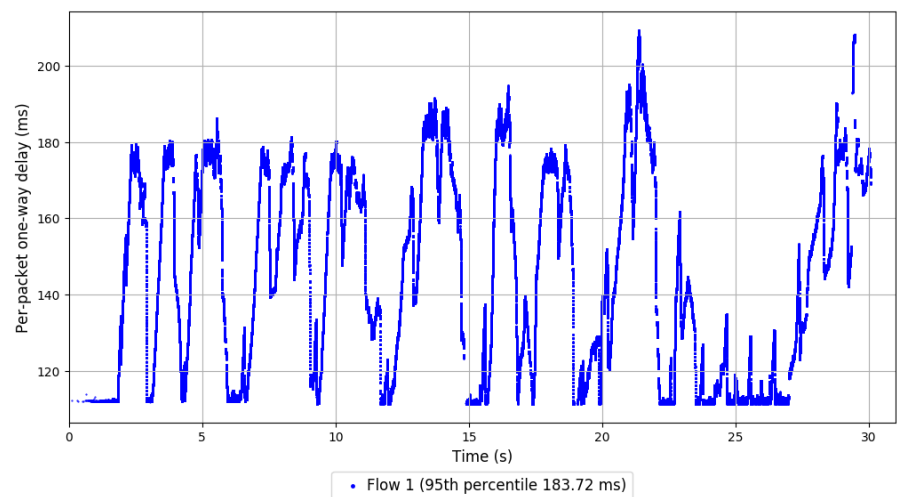· Flow 1 (95th percentile 178.35 ms)

```
Run 2: Statistics of FillP

Start at: 2018-07-31 23:18:55
End at: 2018-07-31 23:19:25
Local clock offset: 17.531 ms
Remote clock offset: 15.841 ms


# Below is generated by plot.py at 2018-08-01 03:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 871.42 Mbit/s
95th percentile per-packet one-way delay: 170.100 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 871.42 Mbit/s
95th percentile per-packet one-way delay: 170.100 ms
Loss rate: 1.26%
```
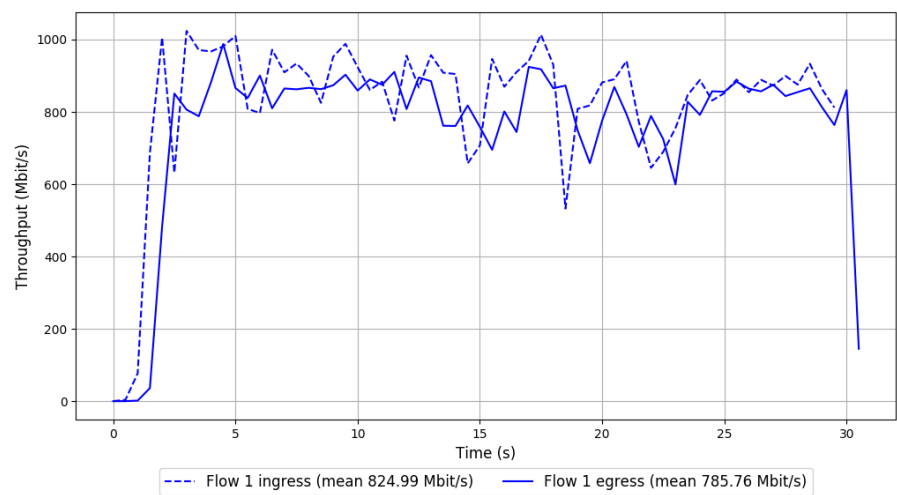
Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-07-31 23:41:42
End at: 2018-07-31 23:42:12
Local clock offset: 21.874 ms
Remote clock offset: 20.255 ms


# Below is generated by plot.py at 2018-08-01 03:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 785.76 Mbit/s
95th percentile per-packet one-way delay: 183.722 ms
Loss rate: 4.75%
-- Flow 1:
Average throughput: 785.76 Mbit/s
95th percentile per-packet one-way delay: 183.722 ms
Loss rate: 4.75%
```
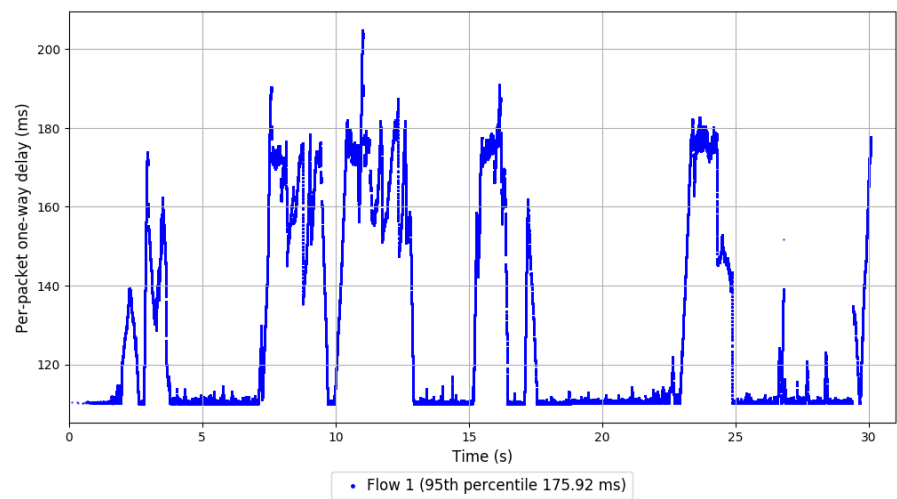
Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 824.99 Mbit/s) ---- Flow 1 egress (mean 785.76 Mbit/s) ——
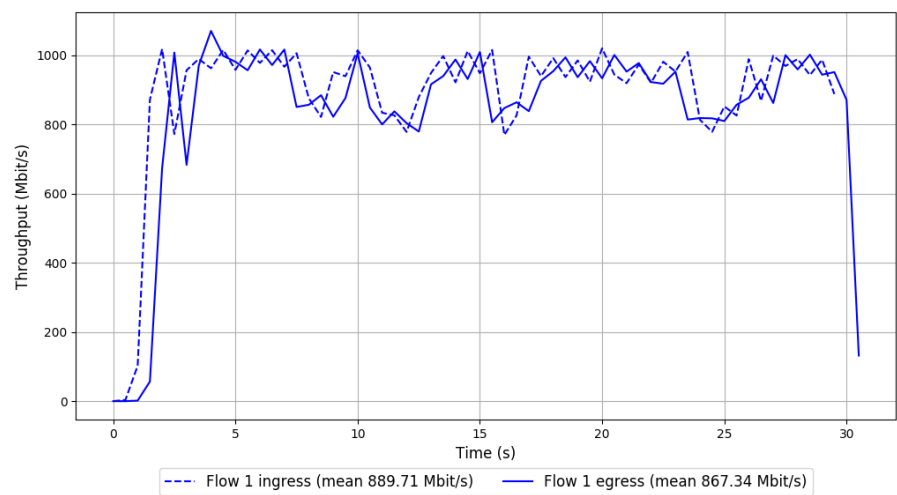

• Flow 1 (95th percentile 183.72 ms)

```
Run 4: Statistics of FillP

Start at: 2018-08-01 00:04:29
End at: 2018-08-01 00:04:59
Local clock offset: 28.214 ms
Remote clock offset: 24.523 ms


# Below is generated by plot.py at 2018-08-01 03:20:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 867.34 Mbit/s
95th percentile per-packet one-way delay: 175.922 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 867.34 Mbit/s
95th percentile per-packet one-way delay: 175.922 ms
Loss rate: 2.51%
```

Run 4: Report of FillP — Data Link

```
Run 5: Statistics of FillP

Start at: 2018-08-01 00:26:57
End at: 2018-08-01 00:27:27
Local clock offset: 17.399 ms
Remote clock offset: 15.5 ms


# Below is generated by plot.py at 2018-08-01 03:20:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 790.78 Mbit/s
95th percentile per-packet one-way delay: 180.339 ms
Loss rate: 5.51%
-- Flow 1:
Average throughput: 790.78 Mbit/s
95th percentile per-packet one-way delay: 180.339 ms
Loss rate: 5.51%
```
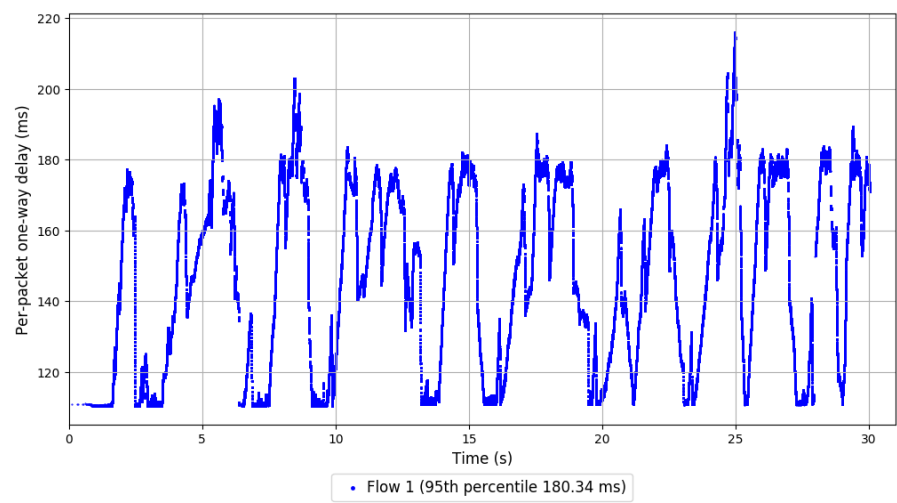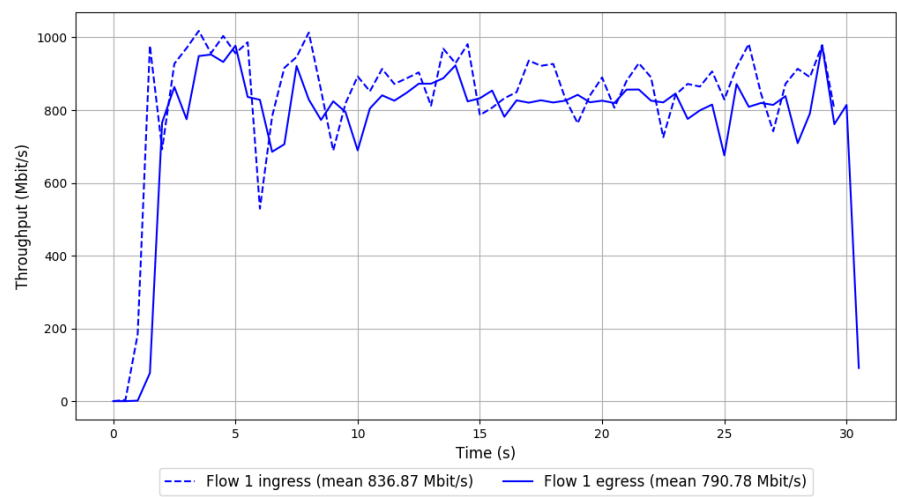
Run 5: Report of FillP — Data Link

```
Run 6: Statistics of FillP

Start at: 2018-08-01 00:49:41
End at: 2018-08-01 00:50:11
Local clock offset: 7.883 ms
Remote clock offset: 7.355 ms

# Below is generated by plot.py at 2018-08-01 03:20:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 805.98 Mbit/s
95th percentile per-packet one-way delay: 184.455 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 805.98 Mbit/s
95th percentile per-packet one-way delay: 184.455 ms
Loss rate: 4.43%
```
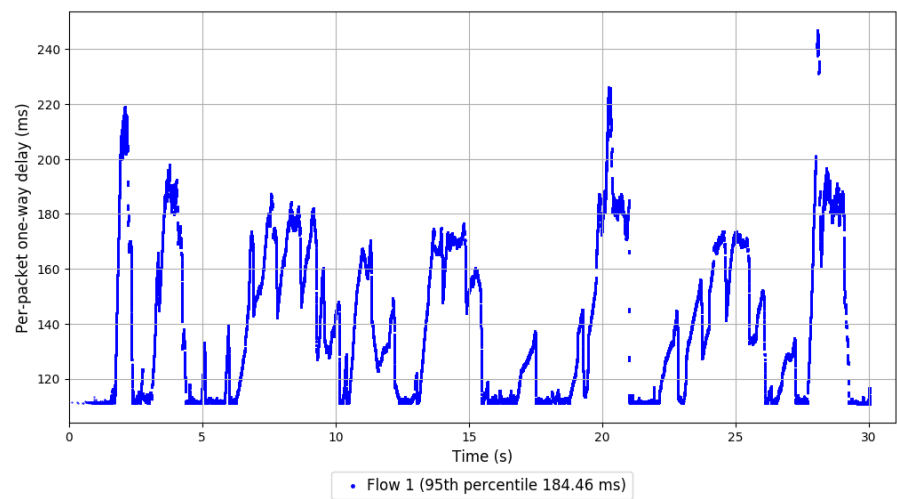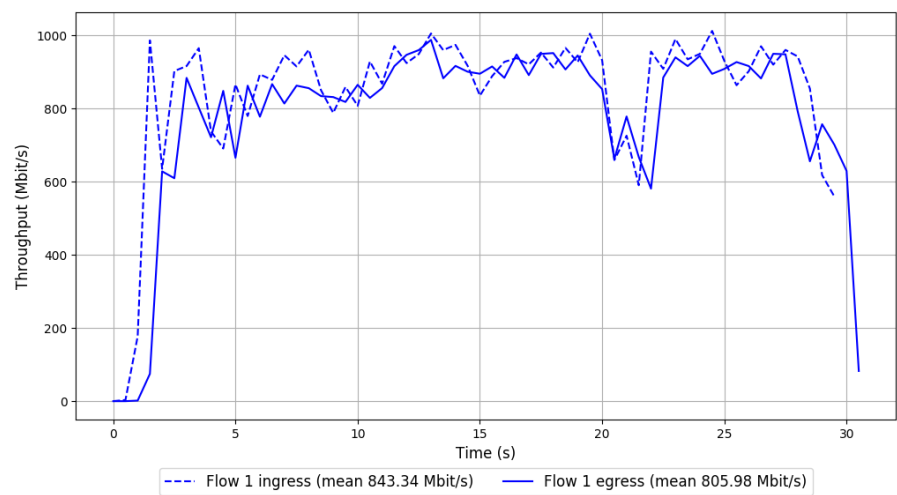
Run 6: Report of FillP — Data Link

```
Run 7: Statistics of FillP

Start at: 2018-08-01 01:12:28
End at: 2018-08-01 01:12:58
Local clock offset: 6.955 ms
Remote clock offset: 5.885 ms


# Below is generated by plot.py at 2018-08-01 03:22:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 898.08 Mbit/s
95th percentile per-packet one-way delay: 169.432 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 898.08 Mbit/s
95th percentile per-packet one-way delay: 169.432 ms
Loss rate: 1.36%
```
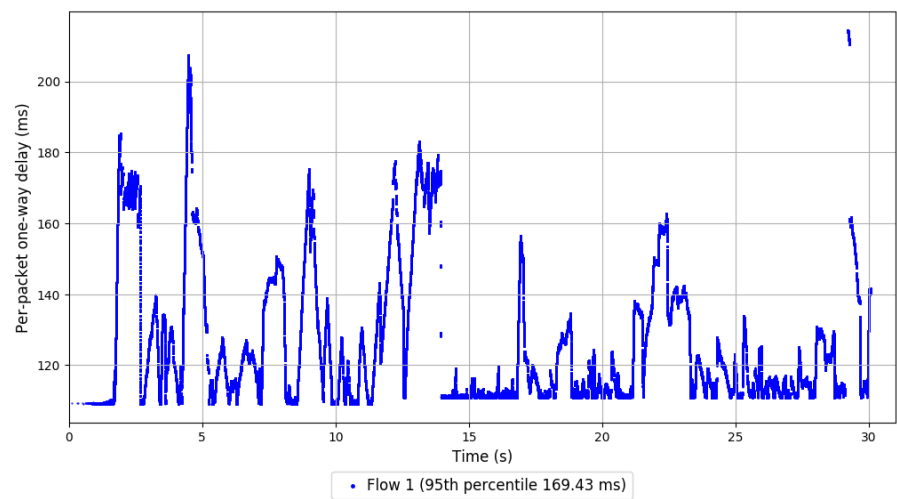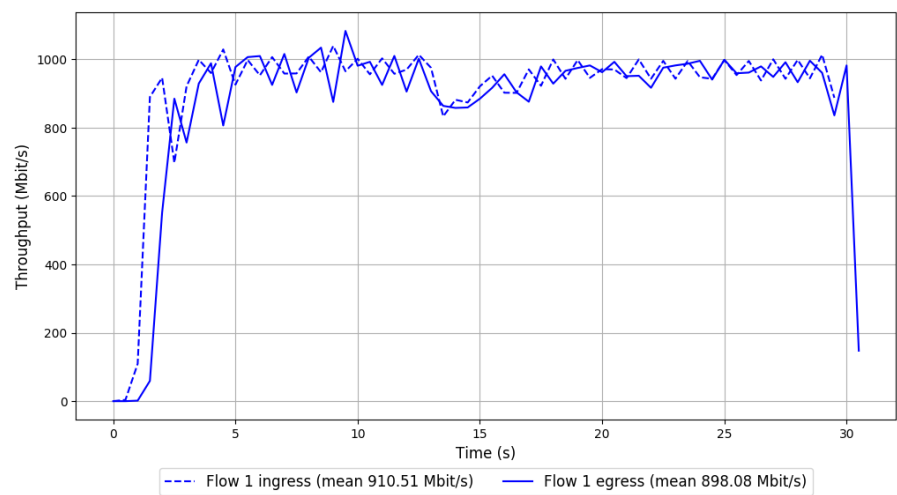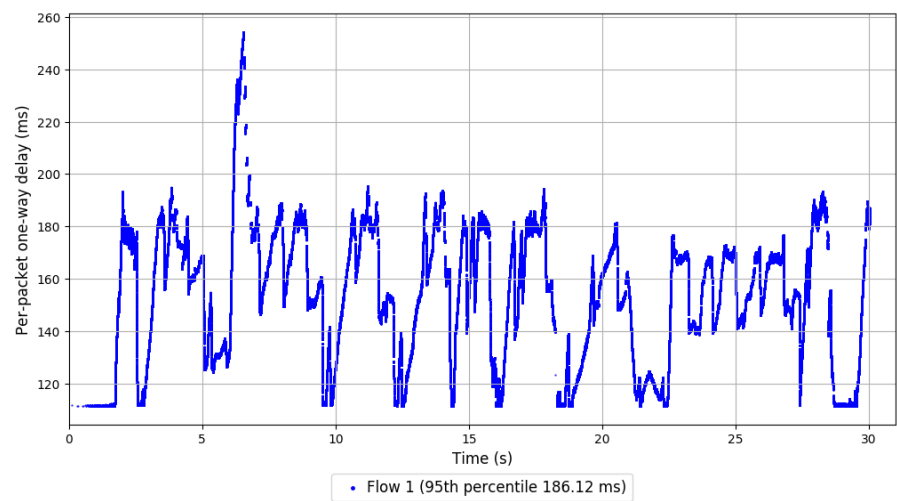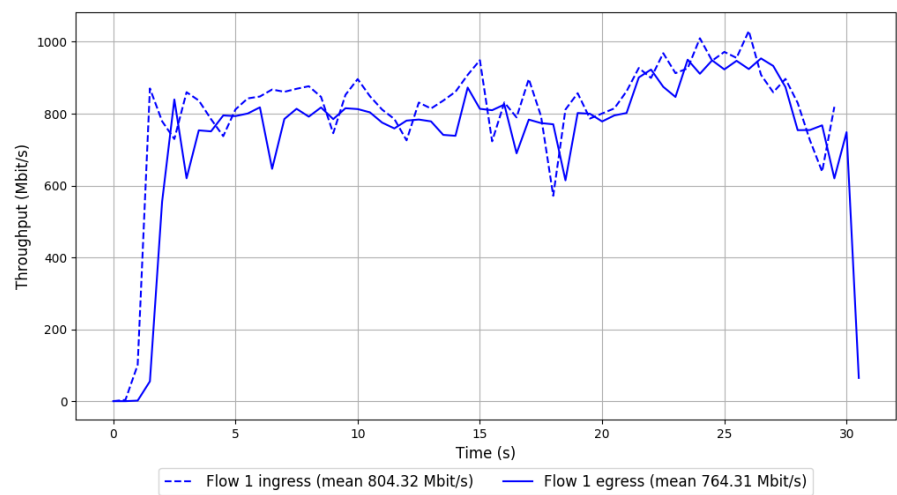
Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 910.51 Mbit/s)   Flow 1 egress (mean 898.08 Mbit/s)

• Flow 1 (95th percentile 169.43 ms)

```
Run 8: Statistics of FillP

Start at: 2018-08-01 01:35:26
End at: 2018-08-01 01:35:56
Local clock offset: 4.039 ms
Remote clock offset: 2.119 ms


# Below is generated by plot.py at 2018-08-01 03:22:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 764.31 Mbit/s
95th percentile per-packet one-way delay: 186.117 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 764.31 Mbit/s
95th percentile per-packet one-way delay: 186.117 ms
Loss rate: 4.97%
```
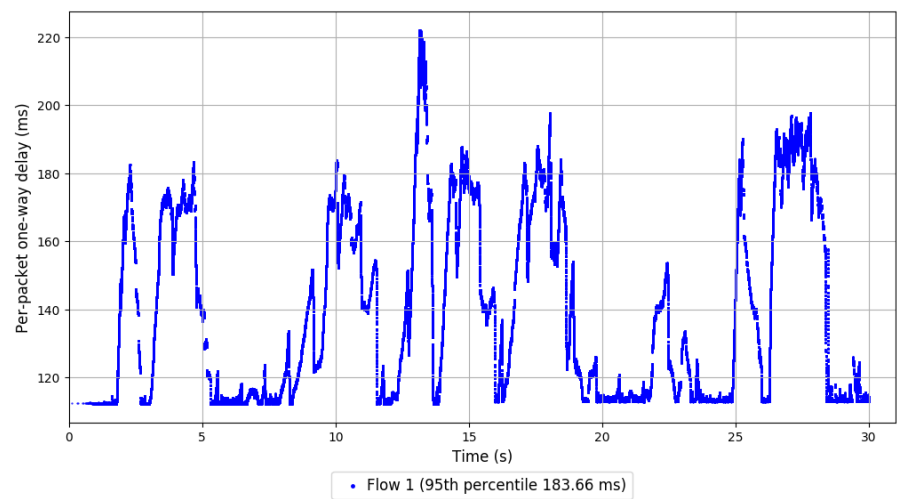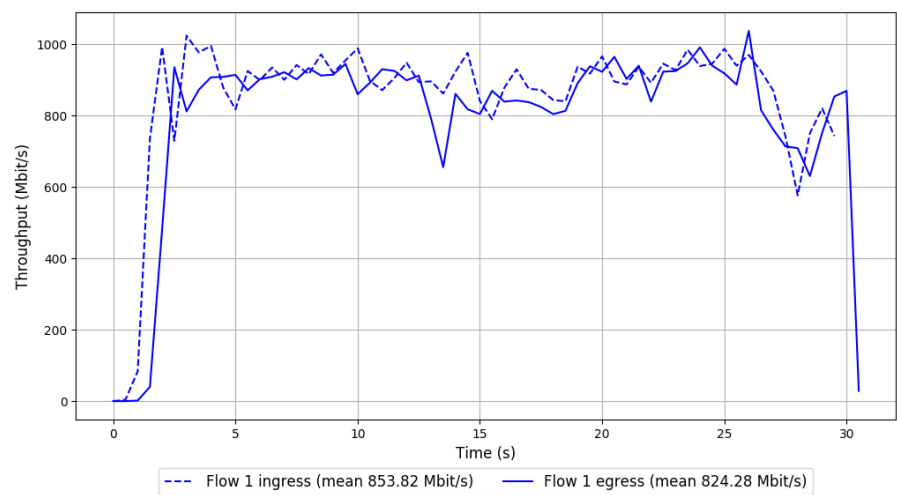
Run 8: Report of FillP — Data Link

Flow 1 ingress (mean 804.32 Mbit/s)   Flow 1 egress (mean 764.31 Mbit/s)

Flow 1 (95th percentile 186.12 ms)

```
Run 9: Statistics of FillP

Start at: 2018-08-01 01:58:03
End at: 2018-08-01 01:58:33
Local clock offset: -0.177 ms
Remote clock offset: 0.704 ms


# Below is generated by plot.py at 2018-08-01 03:36:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 824.28 Mbit/s
95th percentile per-packet one-way delay: 183.656 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 824.28 Mbit/s
95th percentile per-packet one-way delay: 183.656 ms
Loss rate: 3.46%
```
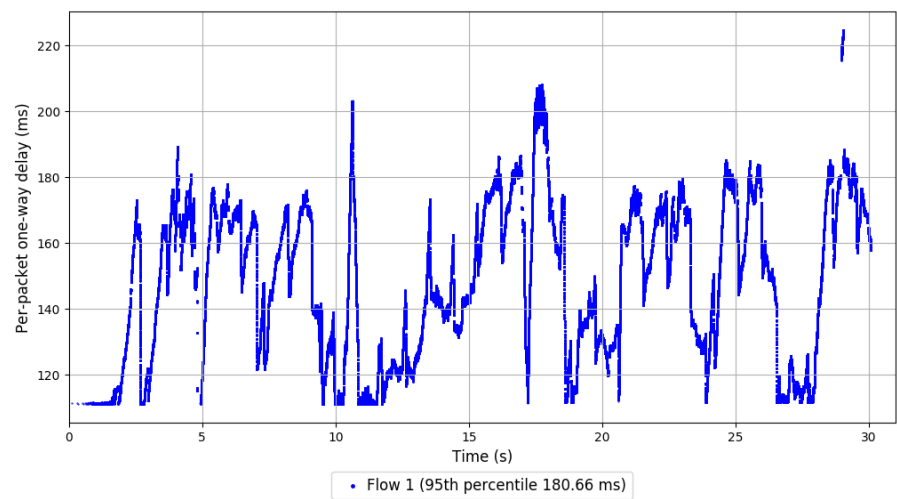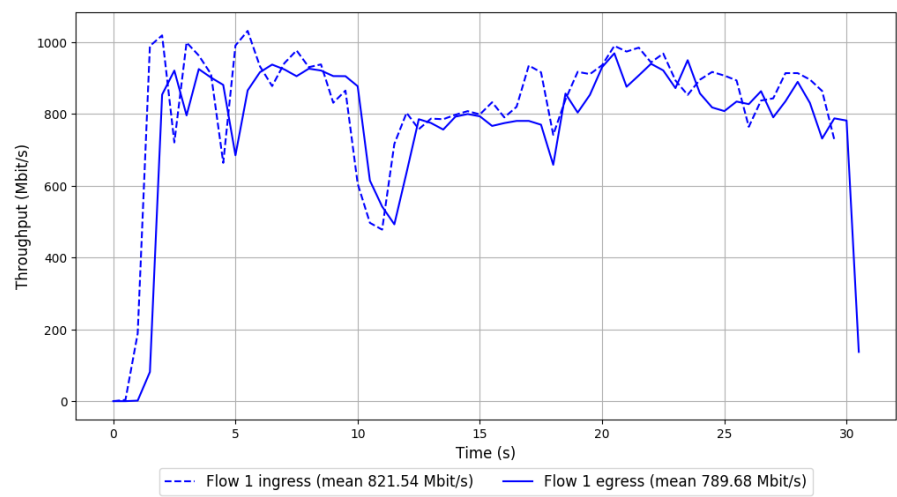
Run 9: Report of FillP — Data Link

```
Run 10: Statistics of FillP

Start at: 2018-08-01 02:20:50
End at: 2018-08-01 02:21:20
Local clock offset: 0.724 ms
Remote clock offset: 1.29 ms


# Below is generated by plot.py at 2018-08-01 03:36:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 789.68 Mbit/s
95th percentile per-packet one-way delay: 180.662 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 789.68 Mbit/s
95th percentile per-packet one-way delay: 180.662 ms
Loss rate: 3.87%
```
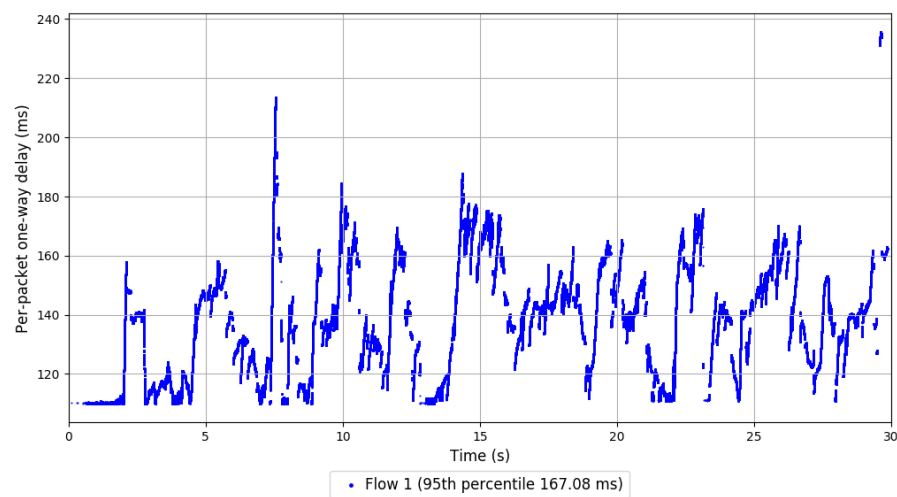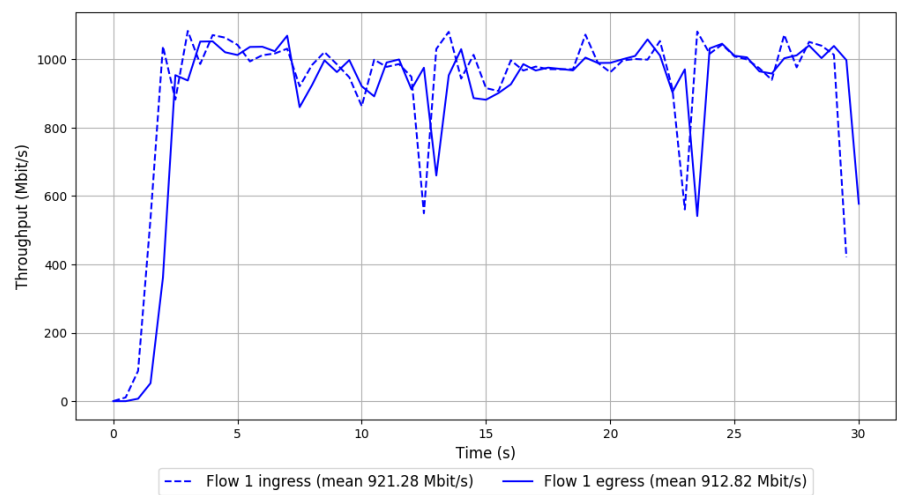
Run 10: Report of FillP — Data Link

```
Run 1: Statistics of FillP-Sheep

Start at: 2018-07-31 23:14:37
End at: 2018-07-31 23:15:07
Local clock offset: 13.967 ms
Remote clock offset: 12.361 ms


# Below is generated by plot.py at 2018-08-01 03:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 912.82 Mbit/s
95th percentile per-packet one-way delay: 167.079 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 912.82 Mbit/s
95th percentile per-packet one-way delay: 167.079 ms
Loss rate: 1.17%
```
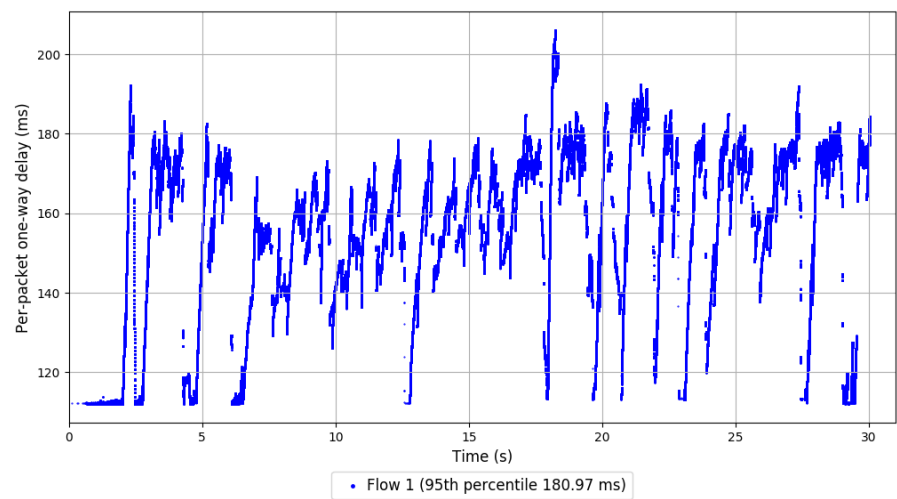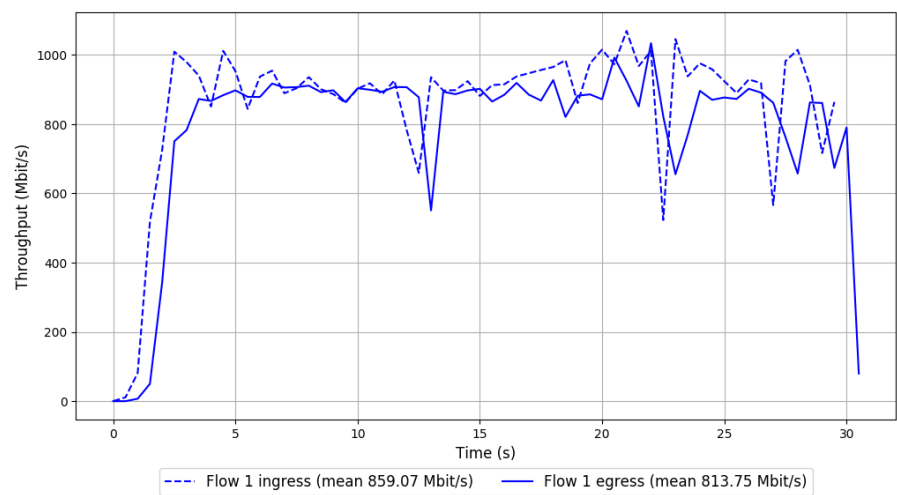
Run 1: Report of FillP-Sheep — Data Link

```
Run 2: Statistics of FillP-Sheep

Start at: 2018-07-31 23:37:30
End at: 2018-07-31 23:38:00
Local clock offset: 19.572 ms
Remote clock offset: 19.054 ms


# Below is generated by plot.py at 2018-08-01 03:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 813.75 Mbit/s
95th percentile per-packet one-way delay: 180.972 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 813.75 Mbit/s
95th percentile per-packet one-way delay: 180.972 ms
Loss rate: 5.27%
```
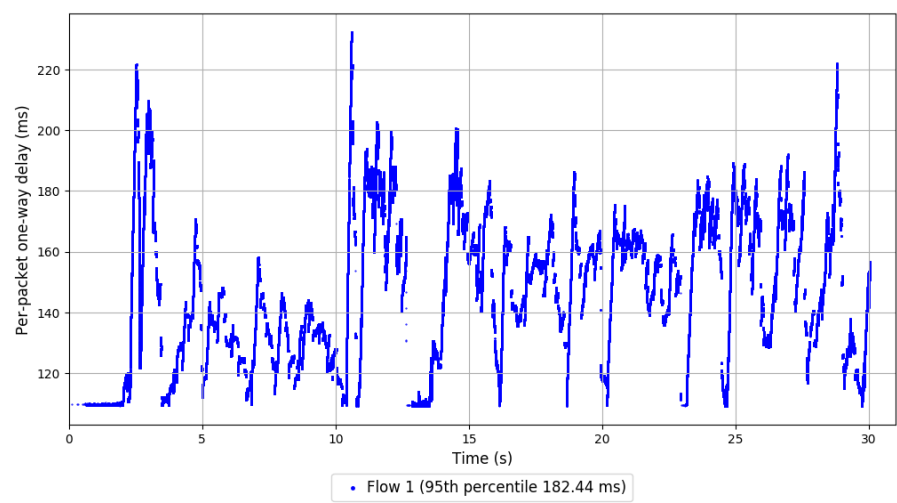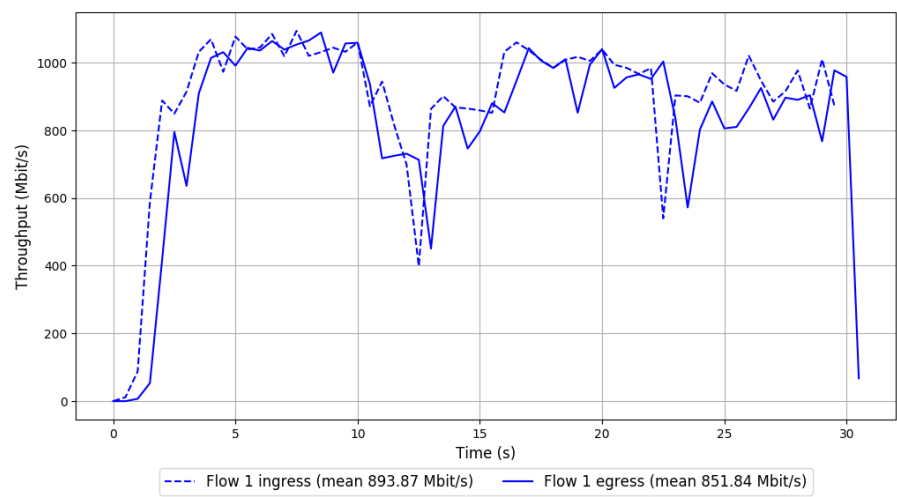
Run 2: Report of FillP-Sheep — Data Link

```
Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 00:00:15
End at: 2018-08-01 00:00:45
Local clock offset: 42.841 ms
Remote clock offset: 36.941 ms


# Below is generated by plot.py at 2018-08-01 03:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 851.84 Mbit/s
95th percentile per-packet one-way delay: 182.441 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 851.84 Mbit/s
95th percentile per-packet one-way delay: 182.441 ms
Loss rate: 4.70%
```

Run 3: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 893.87 Mbit/s)   Flow 1 egress (mean 851.84 Mbit/s)
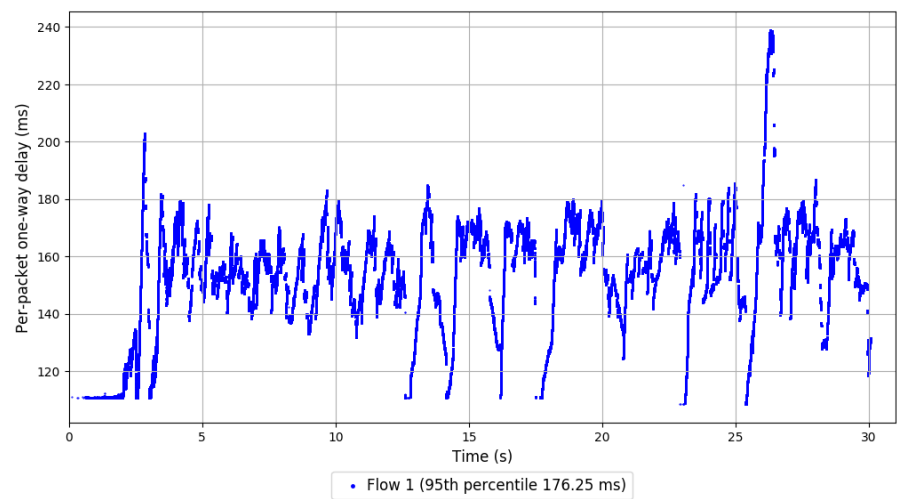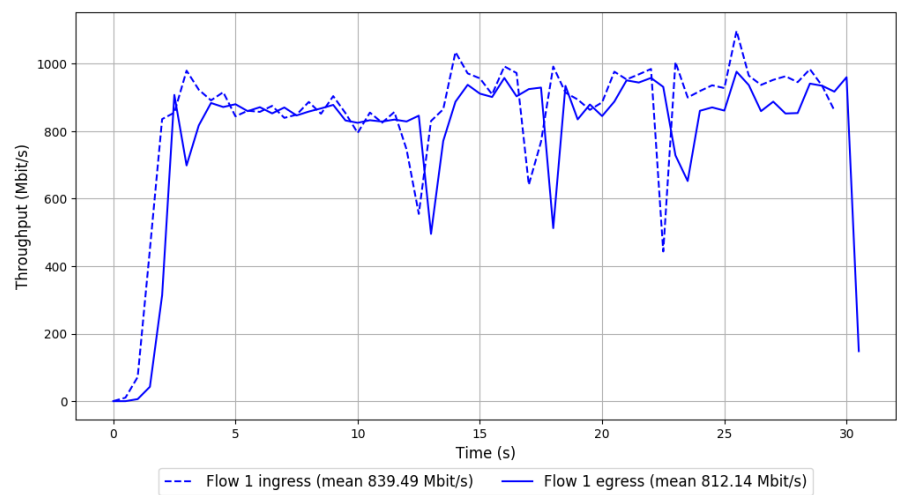

Flow 1 (95th percentile 182.44 ms)

```
Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 00:22:45
End at: 2018-08-01 00:23:15
Local clock offset: 17.39 ms
Remote clock offset: 15.077 ms


# Below is generated by plot.py at 2018-08-01 03:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 812.14 Mbit/s
95th percentile per-packet one-way delay: 176.253 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 812.14 Mbit/s
95th percentile per-packet one-way delay: 176.253 ms
Loss rate: 3.26%
```

Run 4: Report of FillP-Sheep — Data Link

```
Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 00:45:18
End at: 2018-08-01 00:45:48
Local clock offset: 9.035 ms
Remote clock offset: 8.388 ms


# Below is generated by plot.py at 2018-08-01 03:38:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 911.68 Mbit/s
95th percentile per-packet one-way delay: 169.202 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 911.68 Mbit/s
95th percentile per-packet one-way delay: 169.202 ms
Loss rate: 1.80%
```
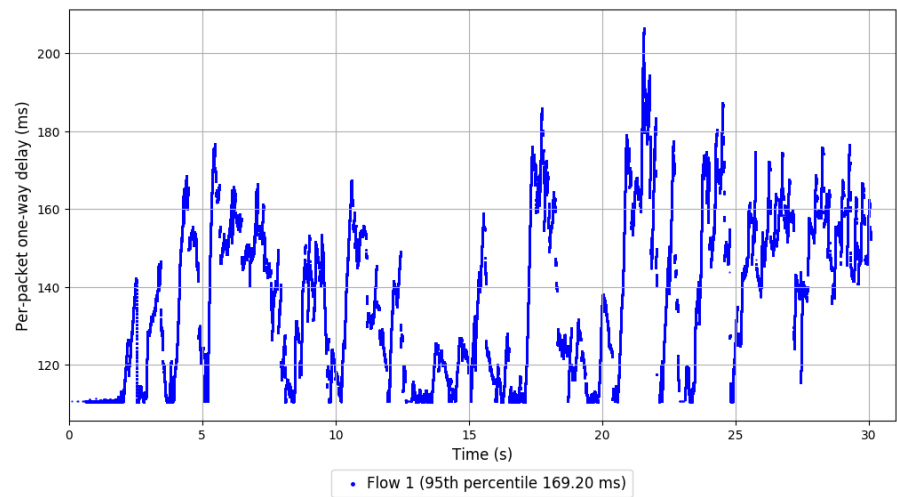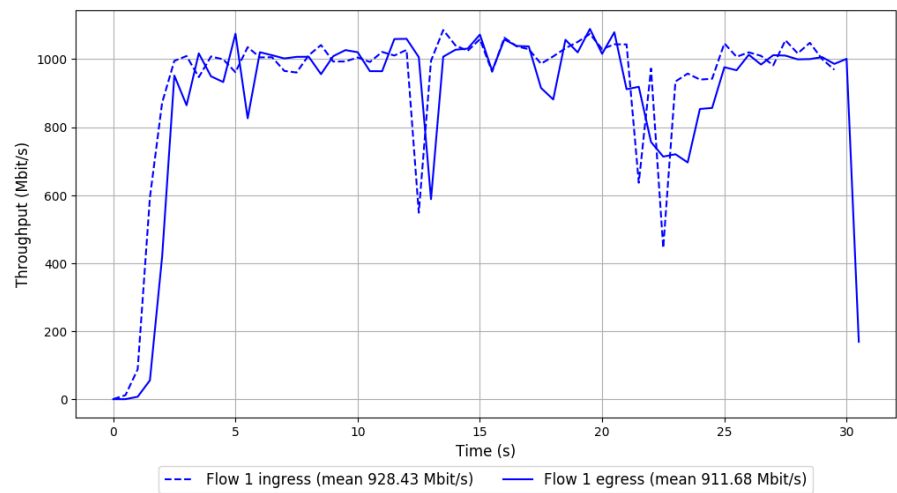
Run 5: Report of FillP-Sheep — Data Link

```
Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 01:08:16
End at: 2018-08-01 01:08:46
Local clock offset: 10.048 ms
Remote clock offset: 8.91 ms


# Below is generated by plot.py at 2018-08-01 03:39:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 844.78 Mbit/s
95th percentile per-packet one-way delay: 177.818 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 844.78 Mbit/s
95th percentile per-packet one-way delay: 177.818 ms
Loss rate: 3.94%
```
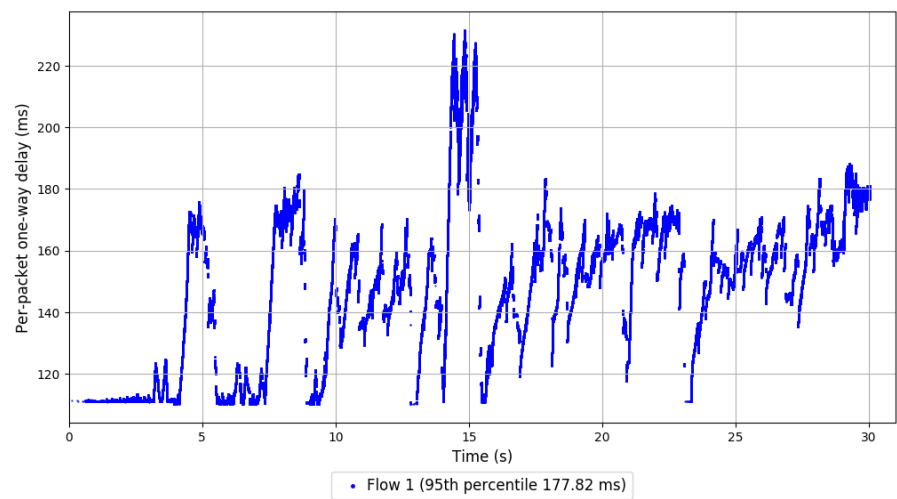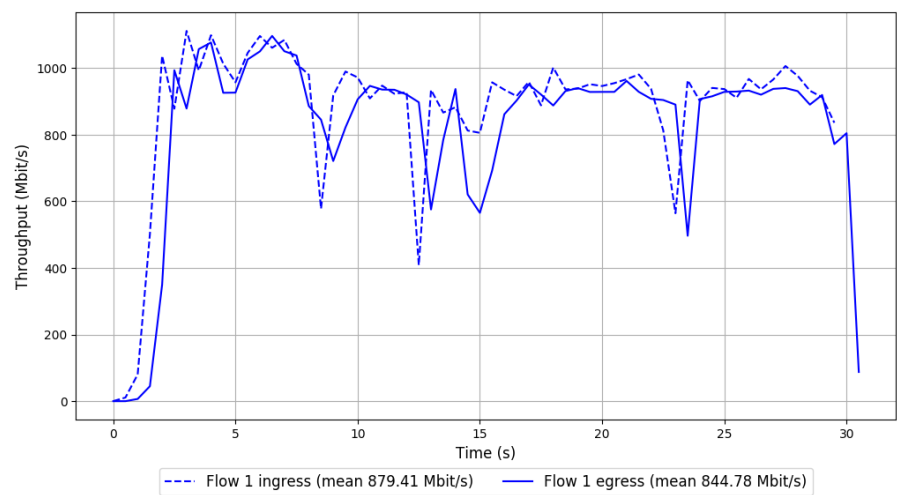
Run 6: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 879.41 Mbit/s)   Flow 1 egress (mean 844.78 Mbit/s)
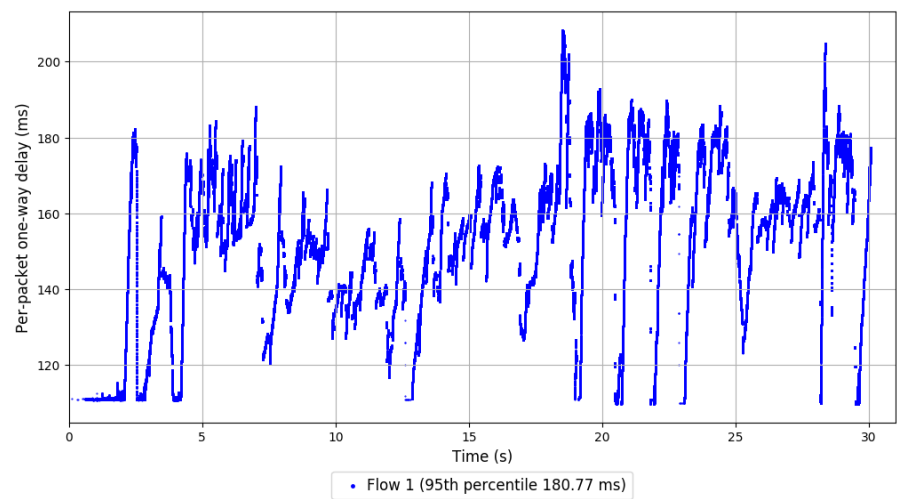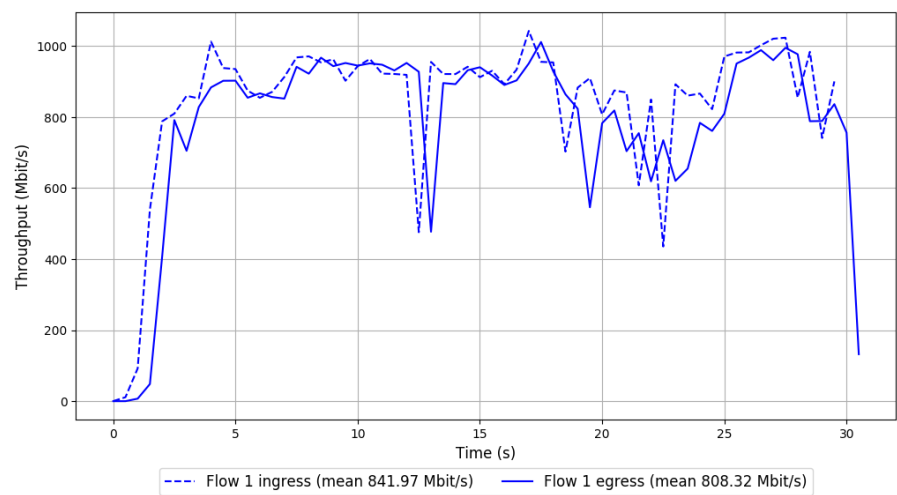

• Flow 1 (95th percentile 177.82 ms)

```
Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 01:31:08
End at: 2018-08-01 01:31:38
Local clock offset: 3.628 ms
Remote clock offset: 2.168 ms


# Below is generated by plot.py at 2018-08-01 03:51:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 808.32 Mbit/s
95th percentile per-packet one-way delay: 180.768 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 808.32 Mbit/s
95th percentile per-packet one-way delay: 180.768 ms
Loss rate: 3.99%
```

Run 7: Report of FillP-Sheep — Data Link

```
Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 01:53:50
End at: 2018-08-01 01:54:20
Local clock offset: 1.59 ms
Remote clock offset: 0.399 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 860.74 Mbit/s
95th percentile per-packet one-way delay: 179.494 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 860.74 Mbit/s
95th percentile per-packet one-way delay: 179.494 ms
Loss rate: 3.02%
```
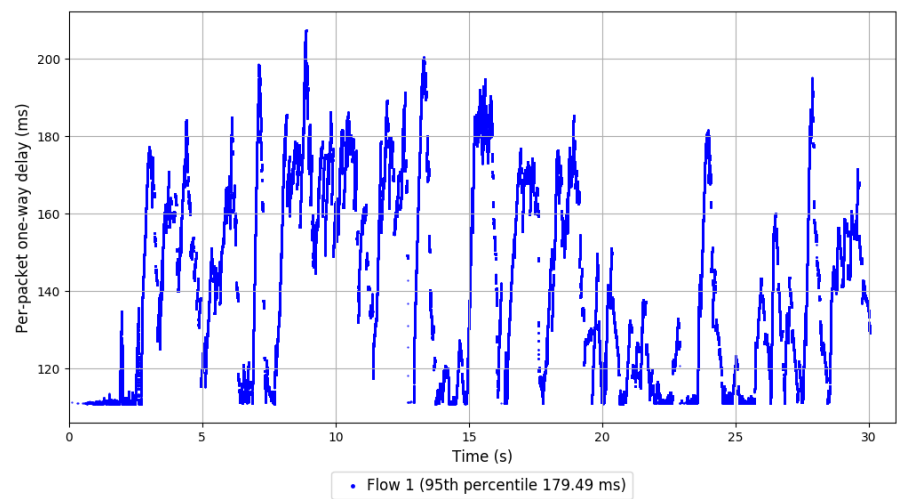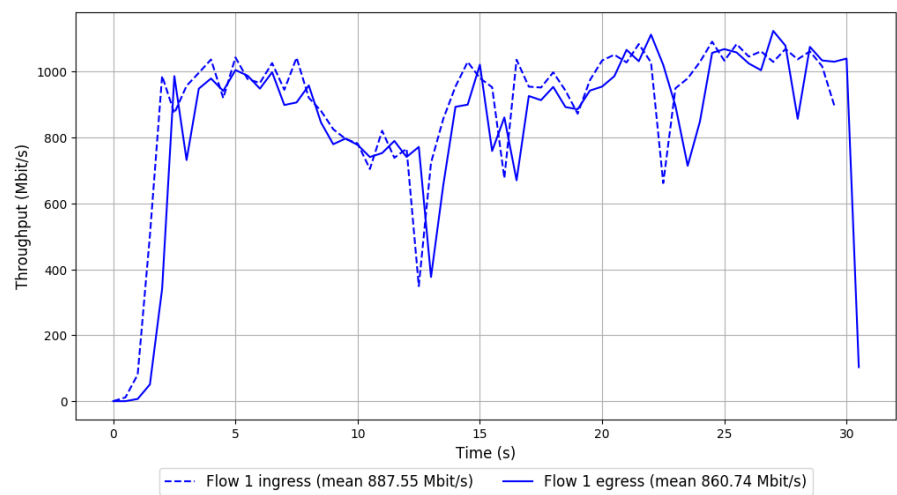
Run 8: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 887.55 Mbit/s)   Flow 1 egress (mean 860.74 Mbit/s)

Flow 1 (95th percentile 179.49 ms)

```
Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 02:16:36
End at: 2018-08-01 02:17:06
Local clock offset: 1.214 ms
Remote clock offset: 0.53 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 780.94 Mbit/s
95th percentile per-packet one-way delay: 182.406 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 780.94 Mbit/s
95th percentile per-packet one-way delay: 182.406 ms
Loss rate: 3.27%
```
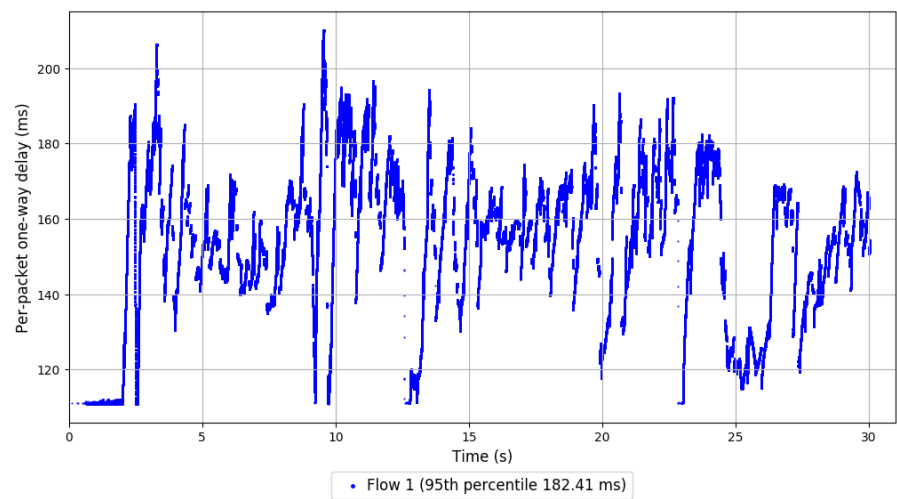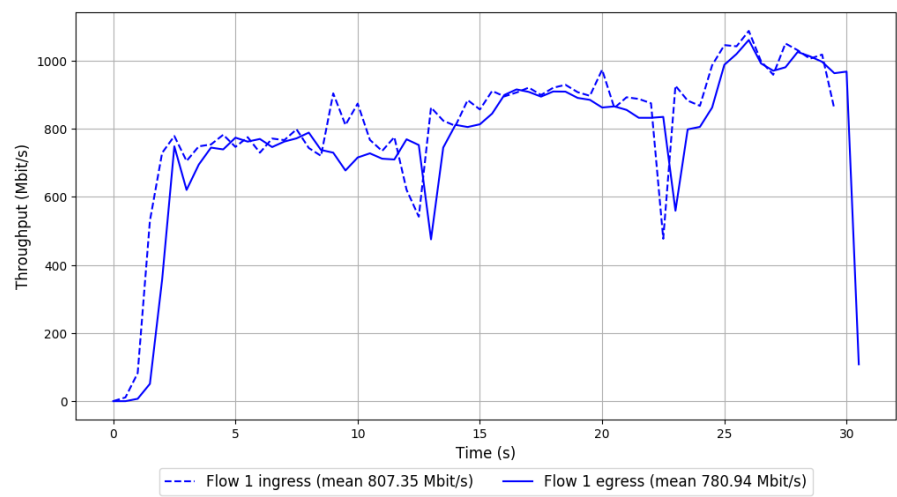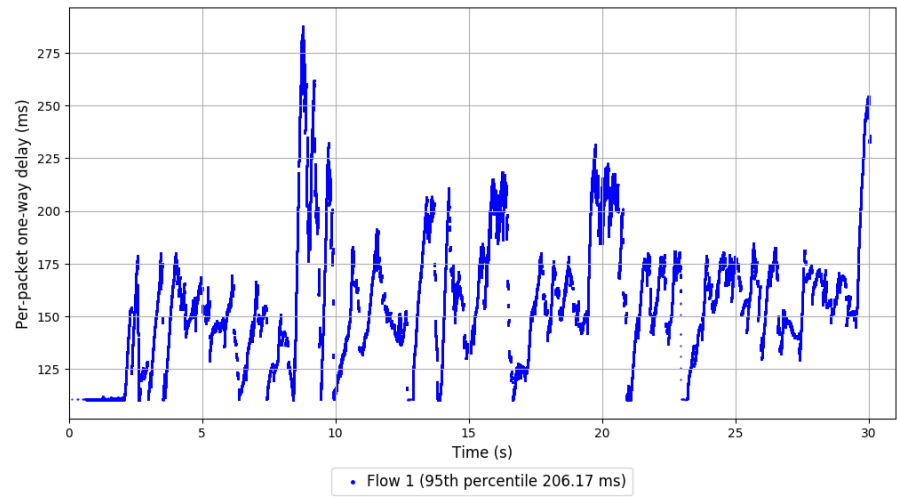
Run 9: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 807.35 Mbit/s) --- Flow 1 egress (mean 780.94 Mbit/s)

Flow 1 (95th percentile 182.41 ms)

```
Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 02:39:32
End at: 2018-08-01 02:40:02
Local clock offset: 1.553 ms
Remote clock offset: 1.464 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 741.48 Mbit/s
95th percentile per-packet one-way delay: 206.168 ms
Loss rate: 6.15%
-- Flow 1:
Average throughput: 741.48 Mbit/s
95th percentile per-packet one-way delay: 206.168 ms
Loss rate: 6.15%
```
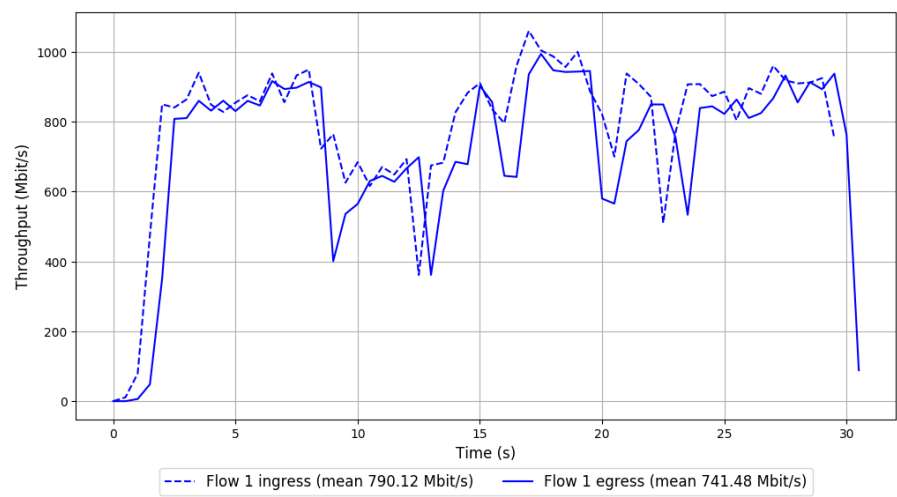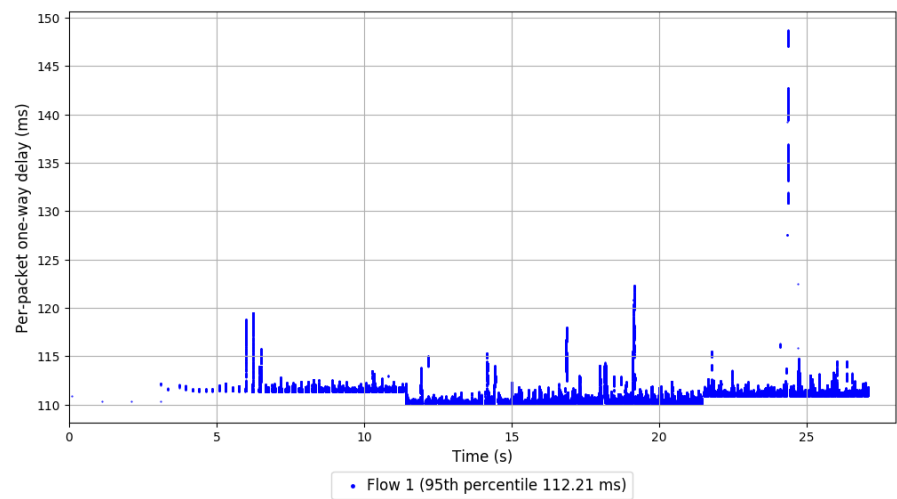
Run 10: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 790.12 Mbit/s) ----- Flow 1 egress (mean 741.48 Mbit/s)

Flow 1 (95th percentile 206.17 ms)

```
Run 1: Statistics of Indigo

Start at: 2018-07-31 23:16:24
End at: 2018-07-31 23:16:54
Local clock offset: 15.037 ms
Remote clock offset: 13.415 ms

# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.14 Mbit/s
95th percentile per-packet one-way delay: 112.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.14 Mbit/s
95th percentile per-packet one-way delay: 112.212 ms
Loss rate: 0.00%
```
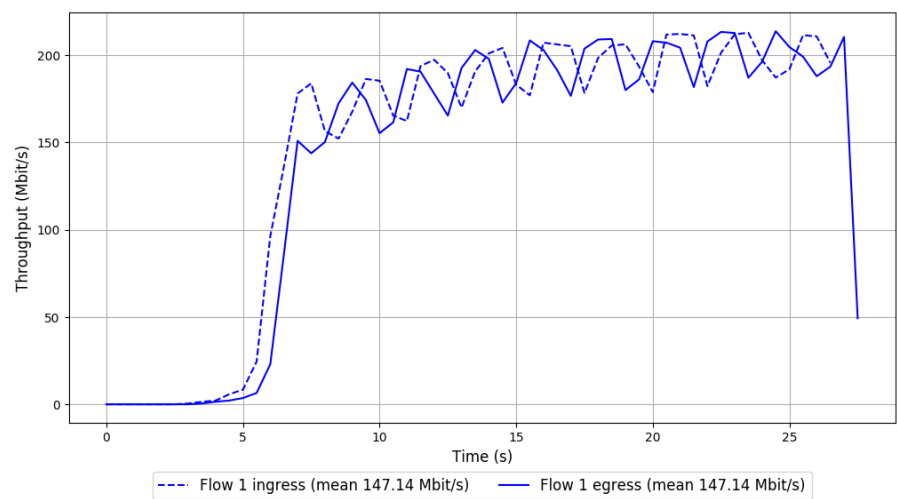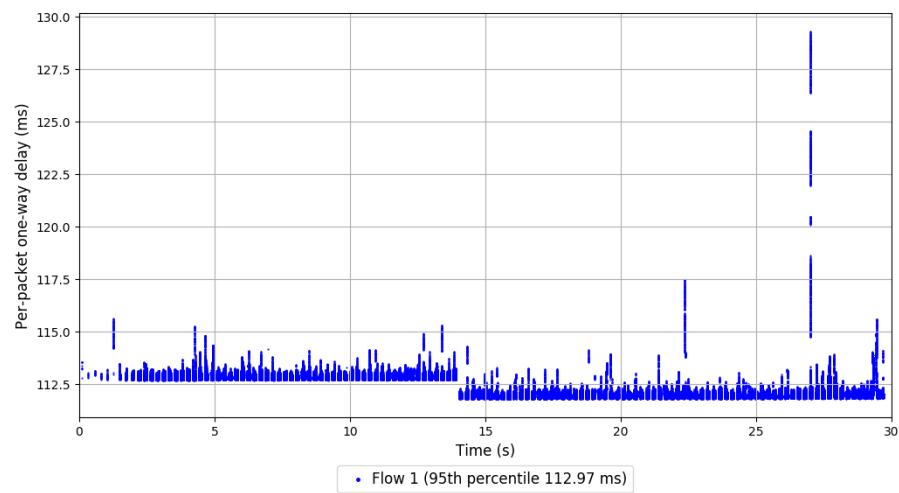
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2018-07-31 23:39:14
End at: 2018-07-31 23:39:44
Local clock offset: 20.43 ms
Remote clock offset: 19.69 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.48 Mbit/s
95th percentile per-packet one-way delay: 112.969 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.48 Mbit/s
95th percentile per-packet one-way delay: 112.969 ms
Loss rate: 0.00%
```
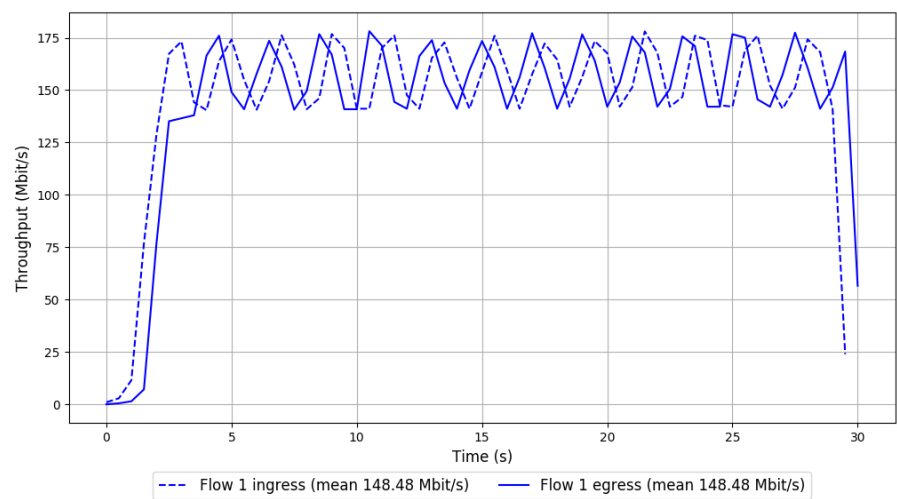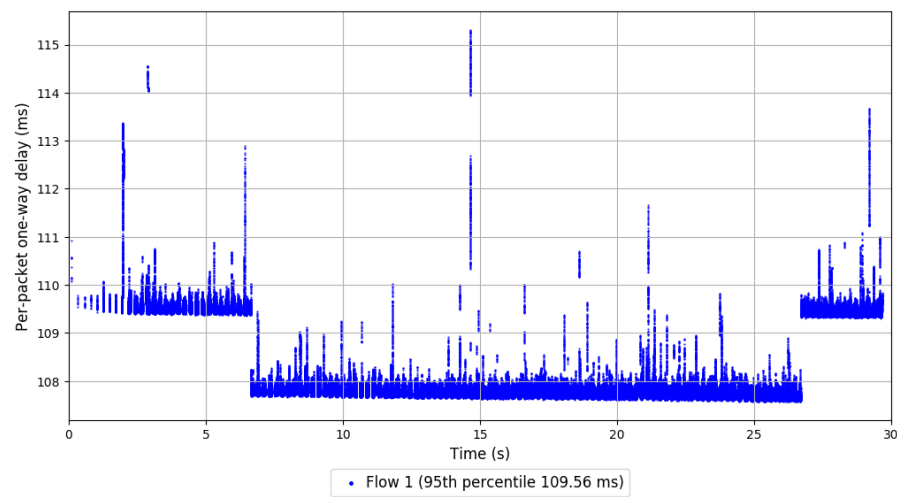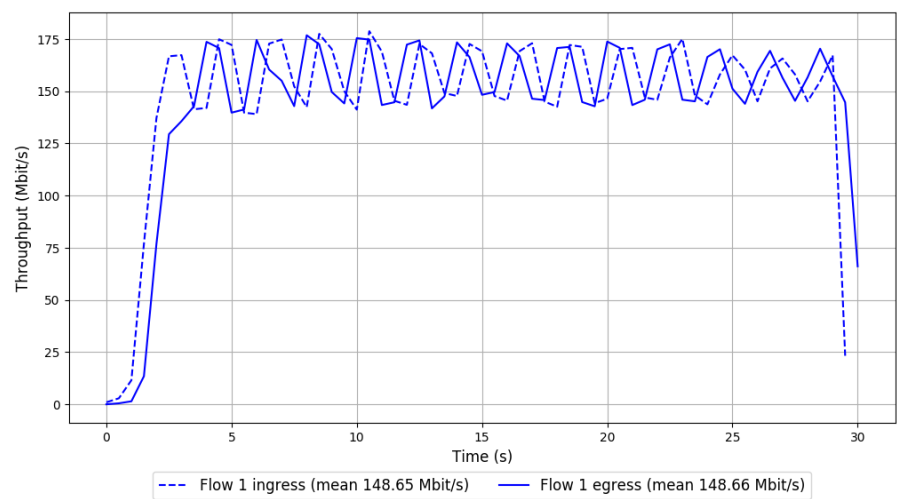
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2018-08-01 00:02:01
End at: 2018-08-01 00:02:31
Local clock offset: 35.909 ms
Remote clock offset: 30.783 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.66 Mbit/s
95th percentile per-packet one-way delay: 109.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.66 Mbit/s
95th percentile per-packet one-way delay: 109.565 ms
Loss rate: 0.00%
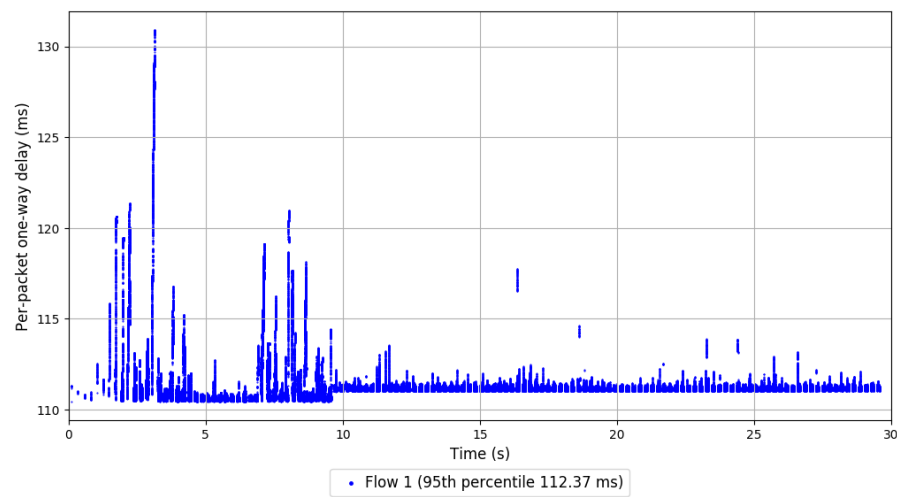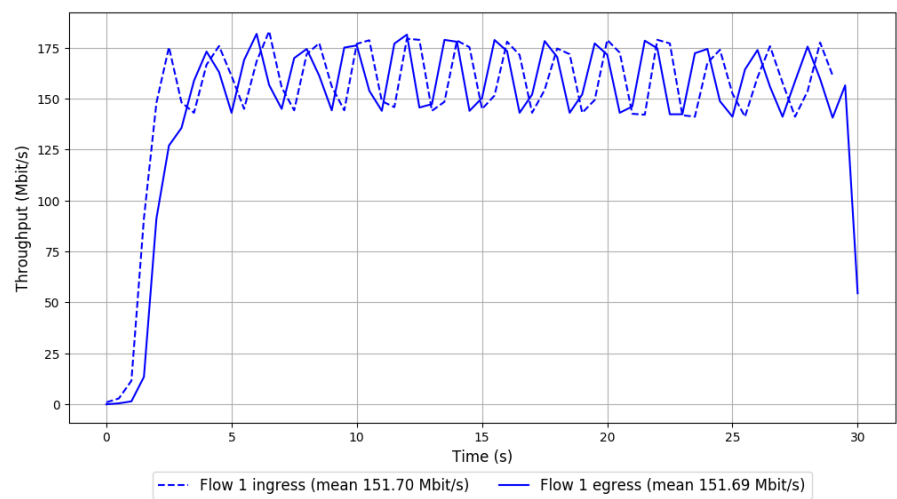```

## Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2018-08-01 00:24:28
End at: 2018-08-01 00:24:58
Local clock offset: 15.567 ms
Remote clock offset: 15.057 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.69 Mbit/s
95th percentile per-packet one-way delay: 112.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.69 Mbit/s
95th percentile per-packet one-way delay: 112.373 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2018-08-01 00:47:07
End at: 2018-08-01 00:47:37
Local clock offset: 8.432 ms
Remote clock offset: 7.499 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.45 Mbit/s
95th percentile per-packet one-way delay: 111.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.45 Mbit/s
95th percentile per-packet one-way delay: 111.085 ms
Loss rate: 0.00%
```
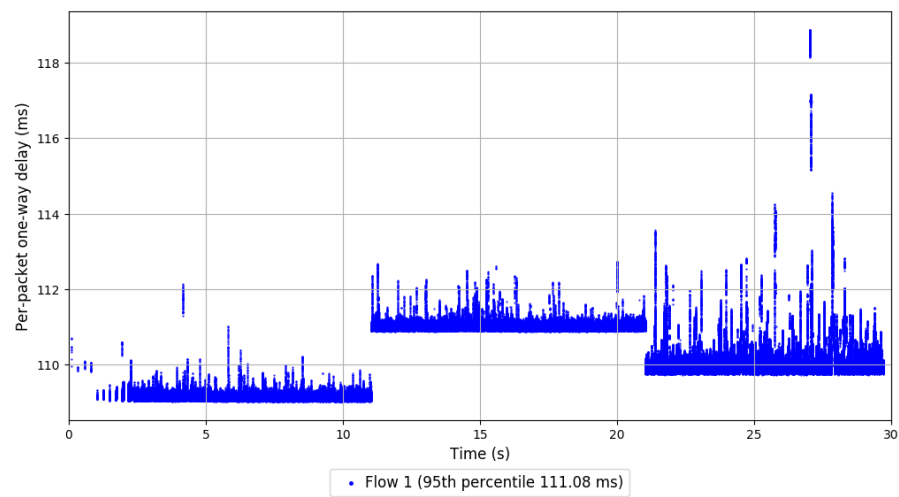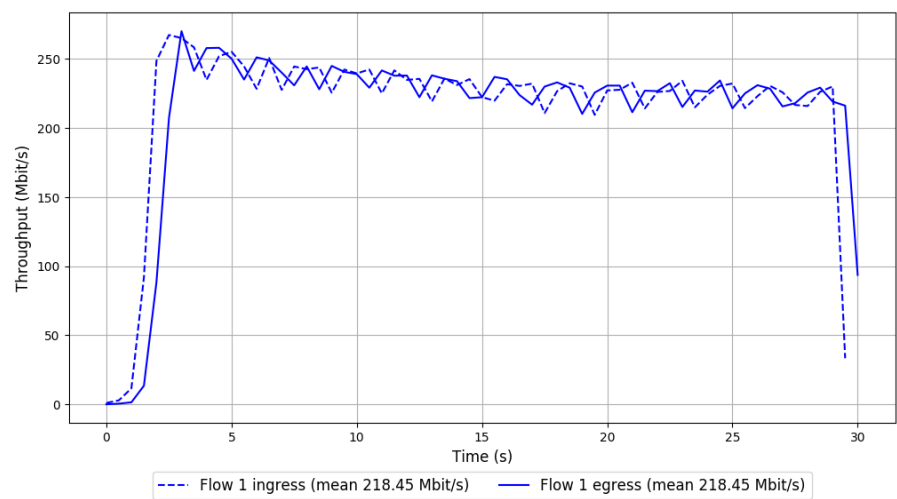
Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2018-08-01 01:10:00
End at: 2018-08-01 01:10:30
Local clock offset: 8.953 ms
Remote clock offset: 8.002 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 154.33 Mbit/s
95th percentile per-packet one-way delay: 111.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.33 Mbit/s
95th percentile per-packet one-way delay: 111.315 ms
Loss rate: 0.00%
```
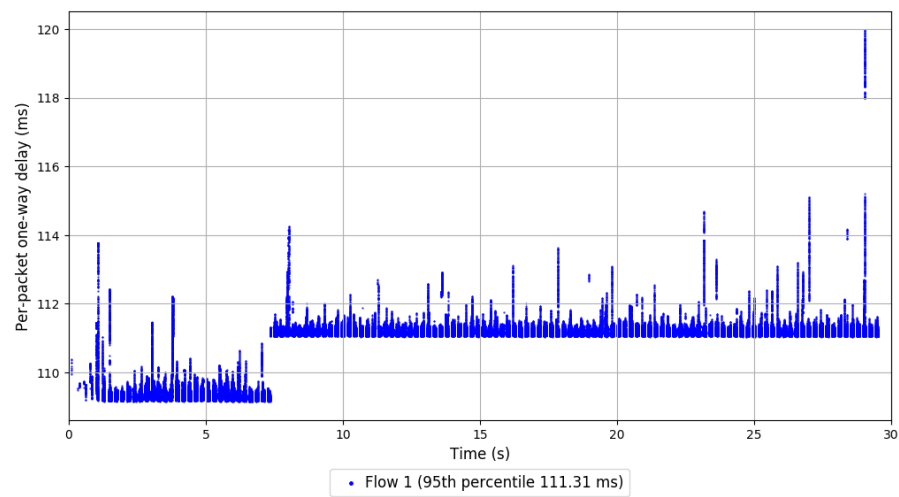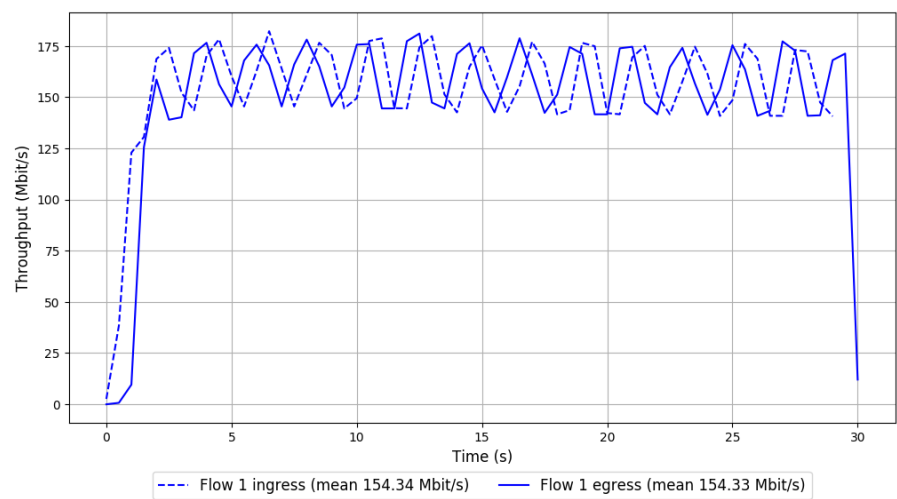
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2018-08-01 01:32:51
End at: 2018-08-01 01:33:21
Local clock offset: 2.59 ms
Remote clock offset: 2.168 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.35 Mbit/s
95th percentile per-packet one-way delay: 117.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.35 Mbit/s
95th percentile per-packet one-way delay: 117.445 ms
Loss rate: 0.00%
```
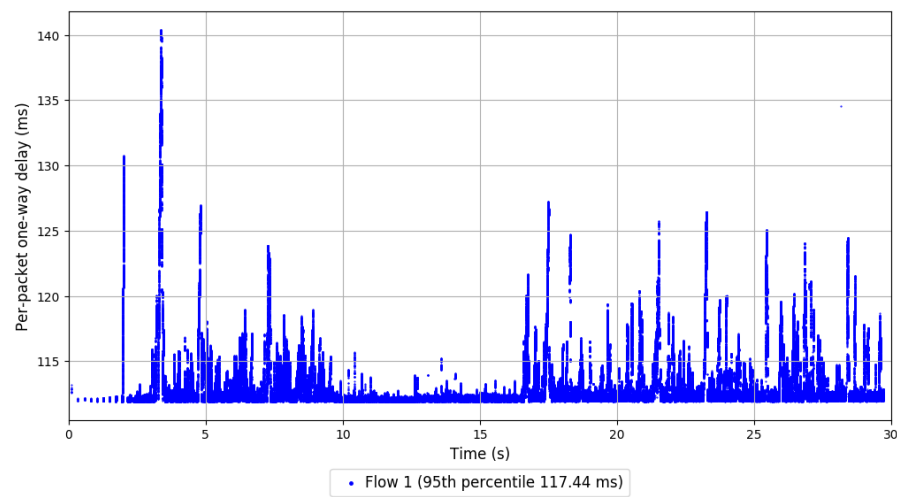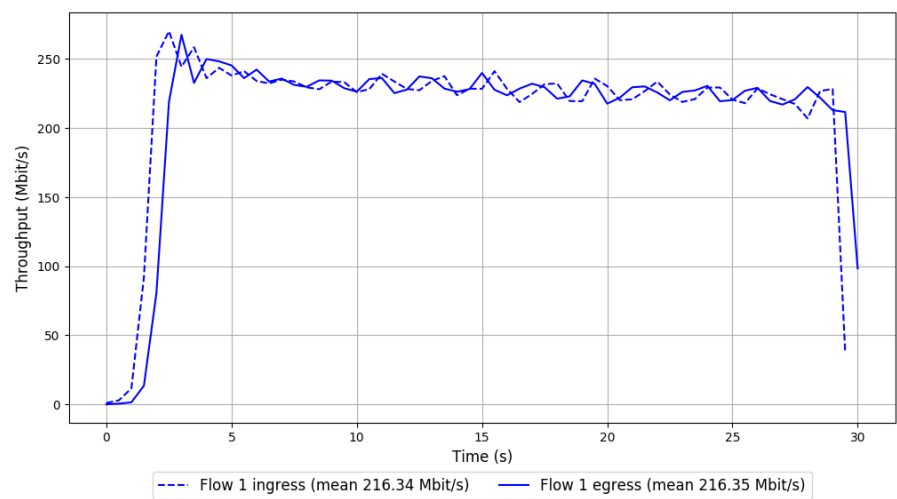
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-08-01 01:55:35
End at: 2018-08-01 01:56:05
Local clock offset: 1.228 ms
Remote clock offset: 0.757 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.04 Mbit/s
95th percentile per-packet one-way delay: 113.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.04 Mbit/s
95th percentile per-packet one-way delay: 113.270 ms
Loss rate: 0.00%
```
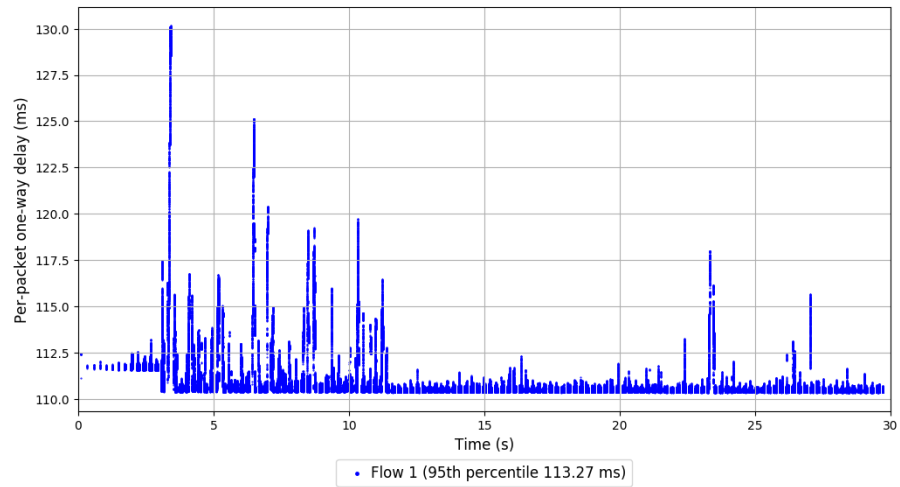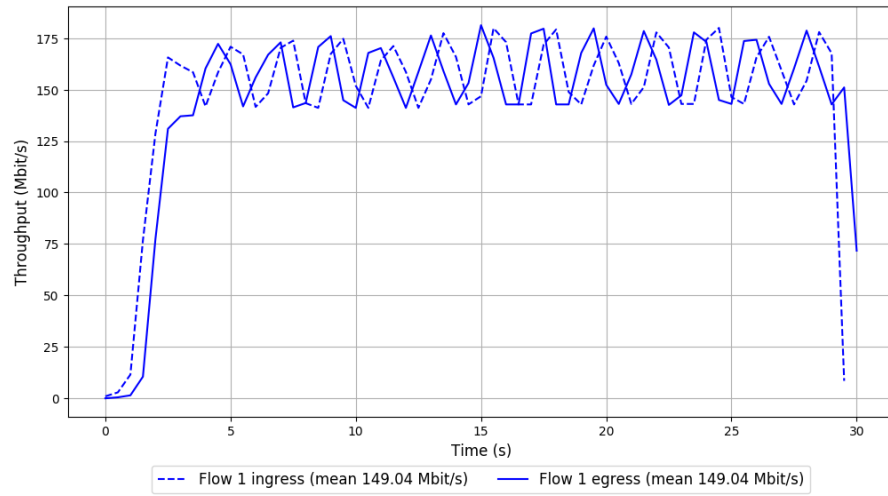
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2018-08-01 02:18:18
End at: 2018-08-01 02:18:48
Local clock offset: 0.915 ms
Remote clock offset: 1.238 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.82 Mbit/s
95th percentile per-packet one-way delay: 112.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.82 Mbit/s
95th percentile per-packet one-way delay: 112.082 ms
Loss rate: 0.00%
```
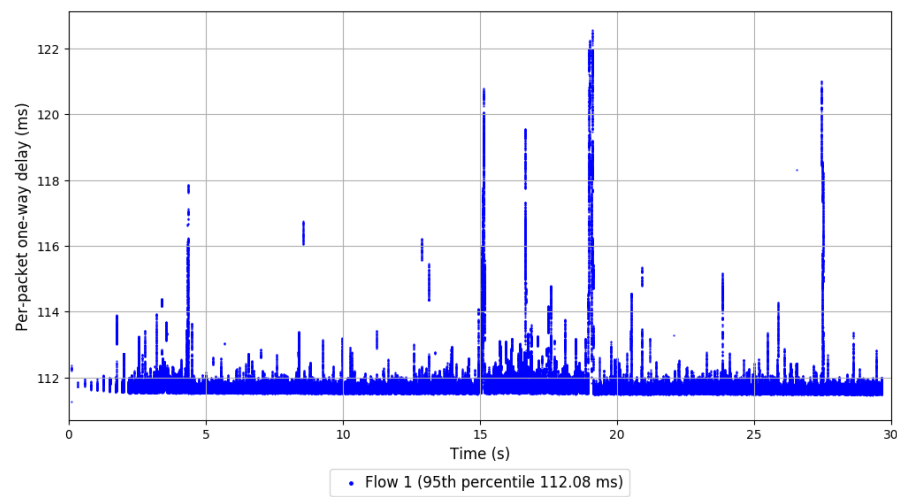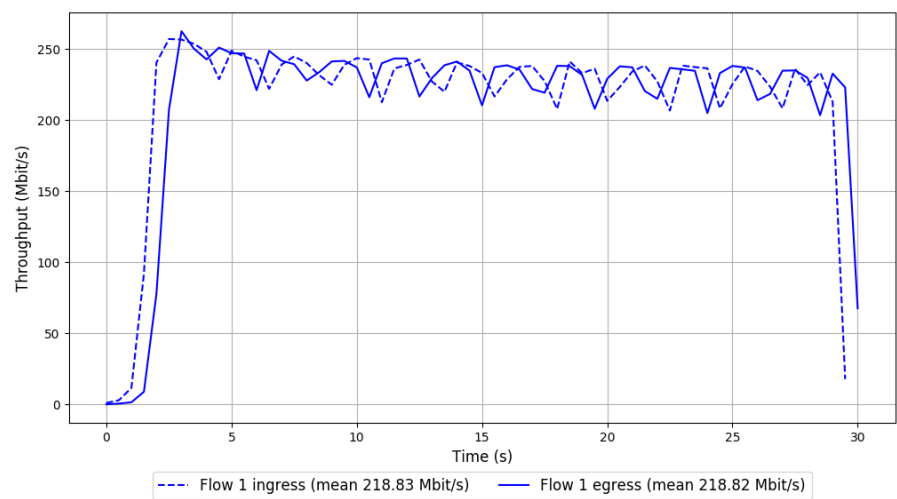
Run 9: Report of Indigo — Data Link

Flow 1 ingress (mean 218.83 Mbit/s)   Flow 1 egress (mean 218.82 Mbit/s)

• Flow 1 (95th percentile 112.08 ms)

```
Run 10: Statistics of Indigo

Start at: 2018-08-01 02:41:13
End at: 2018-08-01 02:41:43
Local clock offset: 0.389 ms
Remote clock offset: 1.481 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 150.95 Mbit/s
95th percentile per-packet one-way delay: 112.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.95 Mbit/s
95th percentile per-packet one-way delay: 112.739 ms
Loss rate: 0.00%
```
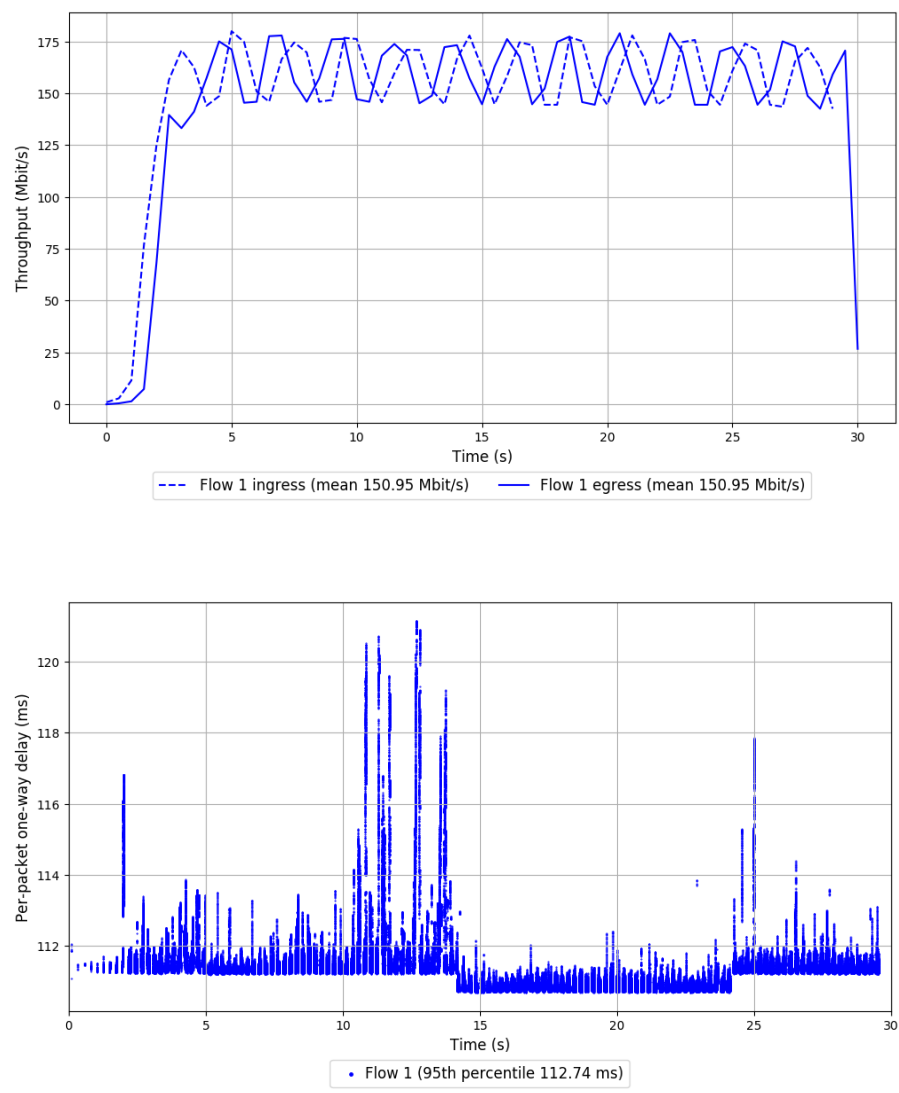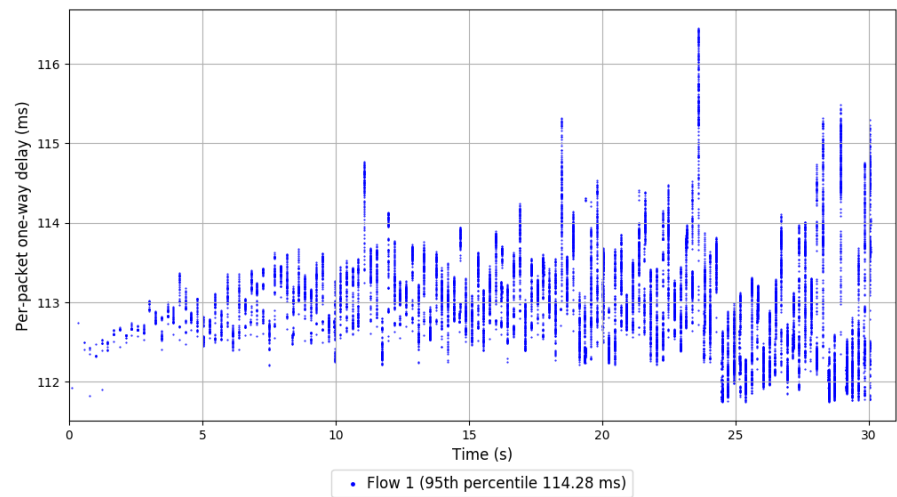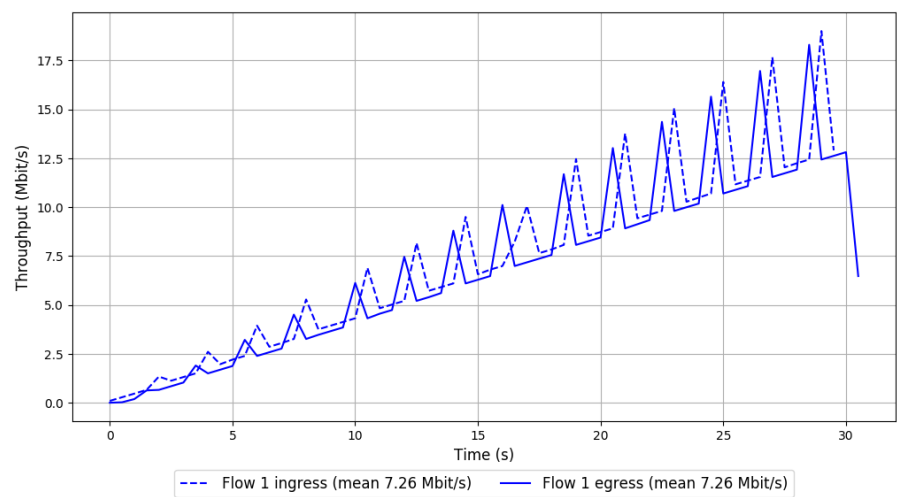
Run 10: Report of Indigo — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2018-07-31 23:07:14
End at: 2018-07-31 23:07:44
Local clock offset: 14.378 ms
Remote clock offset: 13.296 ms

# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 114.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 114.285 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2018-07-31 23:30:17
End at: 2018-07-31 23:30:47
Local clock offset: 23.591 ms
Remote clock offset: 19.31 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 110.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 110.394 ms
Loss rate: 0.00%
```
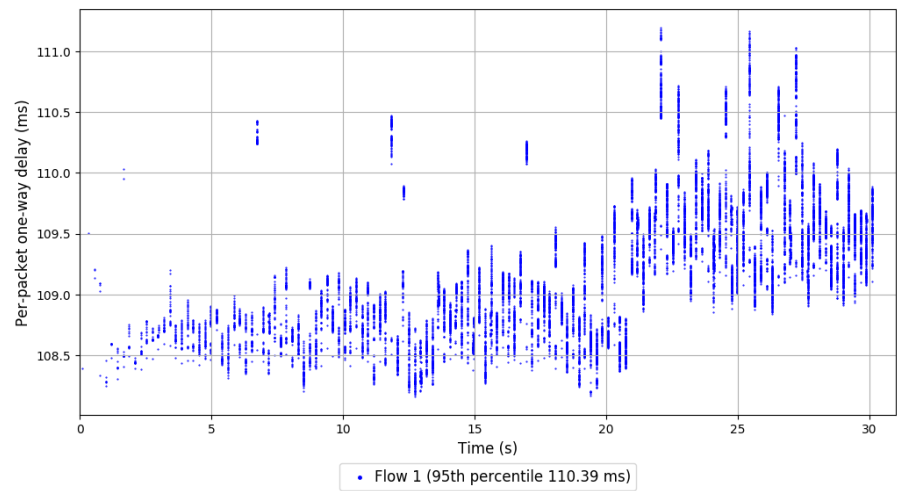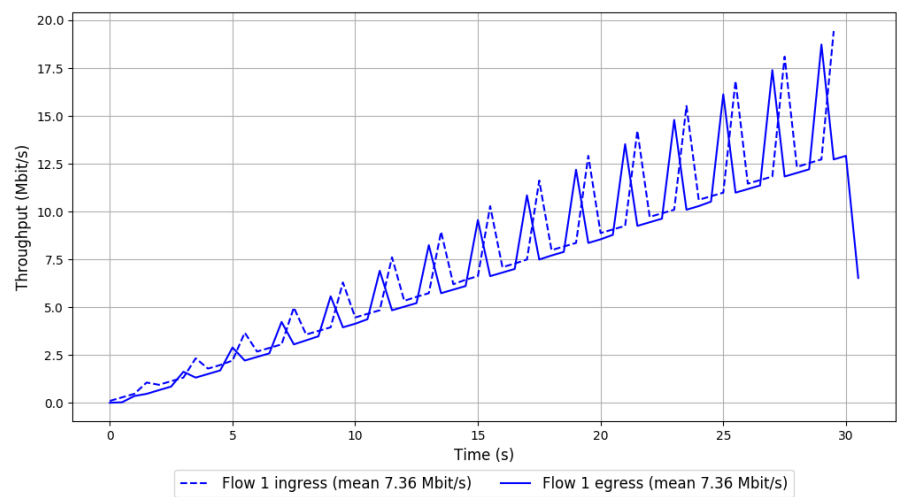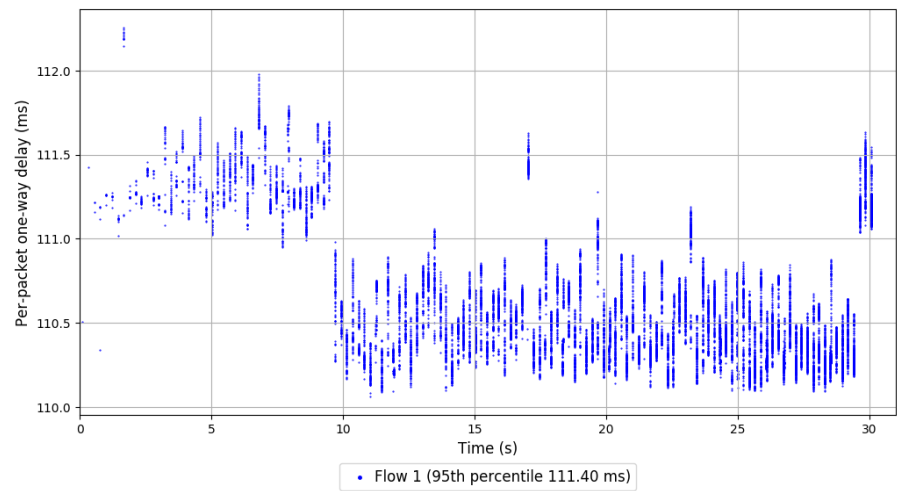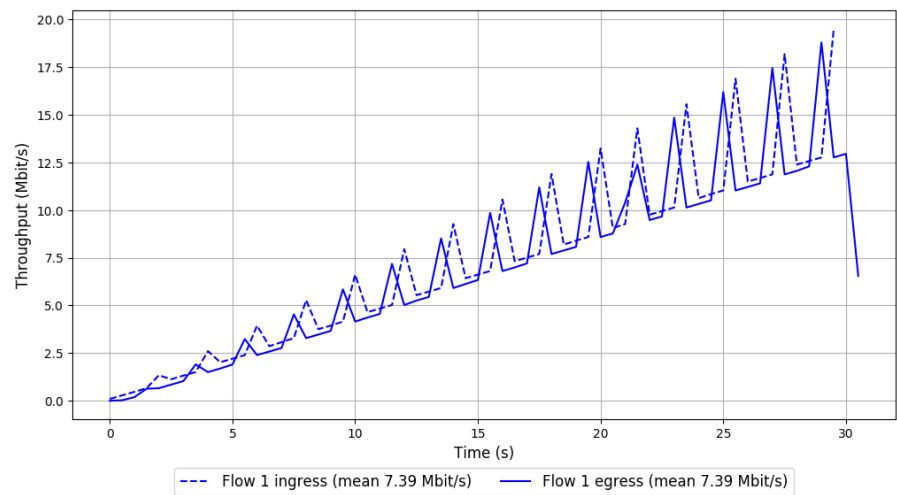
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2018-07-31 23:52:49
End at: 2018-07-31 23:53:19
Local clock offset: 33.188 ms
Remote clock offset: 29.377 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 111.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 111.398 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 7.39 Mbit/s) --- Flow 1 egress (mean 7.39 Mbit/s)
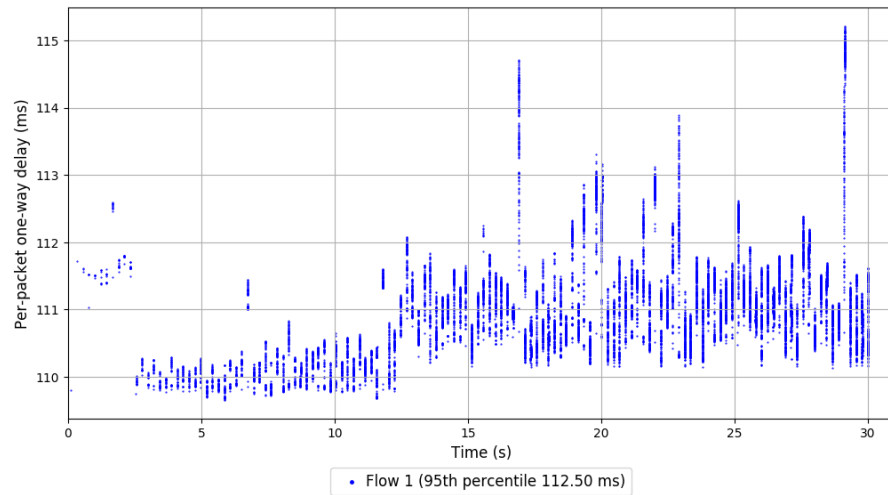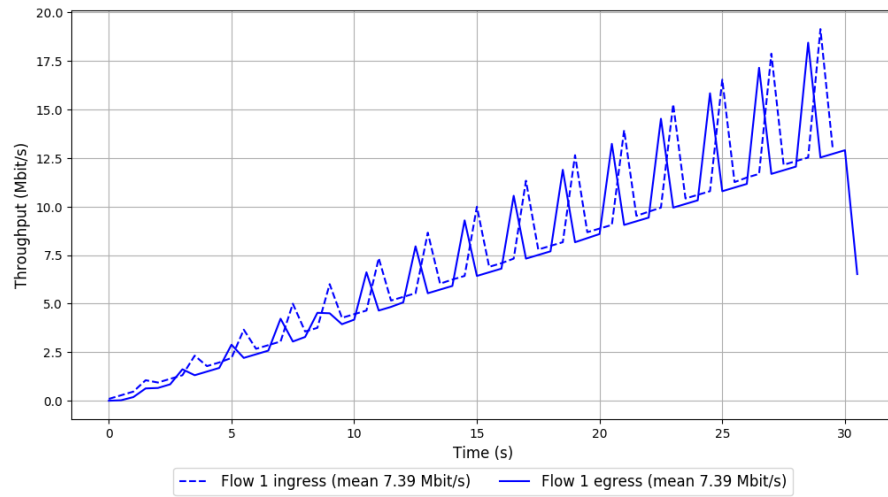

Flow 1 (95th percentile 111.40 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-08-01 00:15:26
End at: 2018-08-01 00:15:56
Local clock offset: 16.028 ms
Remote clock offset: 14.723 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 112.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 112.499 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 7.39 Mbit/s)   Flow 1 egress (mean 7.39 Mbit/s)

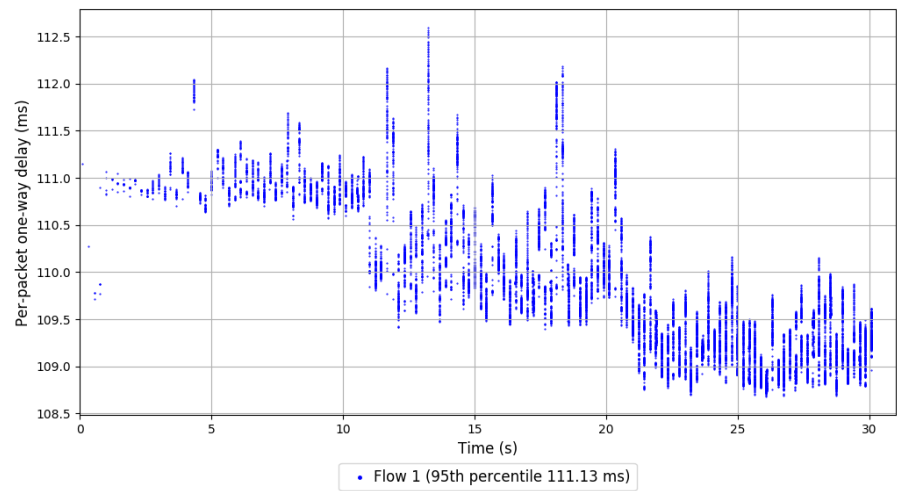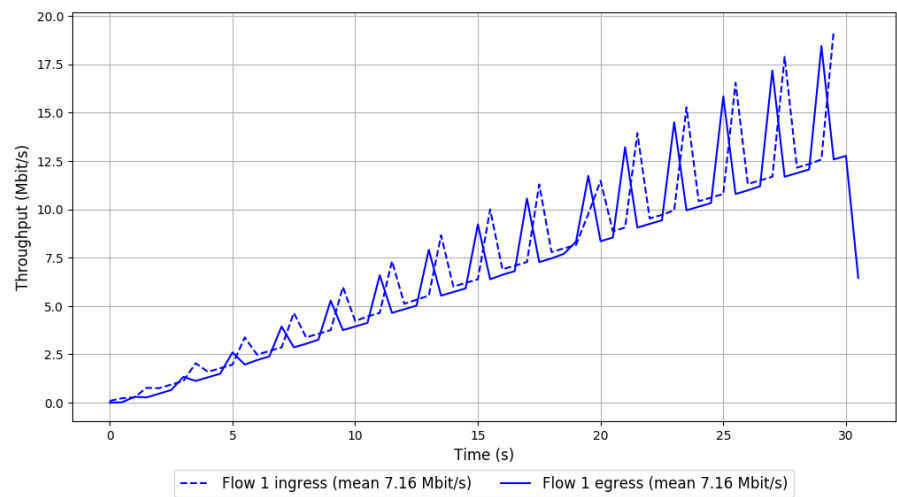
Flow 1 (95th percentile 112.50 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2018-08-01 00:37:47
End at: 2018-08-01 00:38:17
Local clock offset: 15.466 ms
Remote clock offset: 13.618 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 111.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 111.126 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2018-08-01 01:00:50
End at: 2018-08-01 01:01:20
Local clock offset: 8.49 ms
Remote clock offset: 7.55 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 111.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 111.699 ms
Loss rate: 0.00%
```
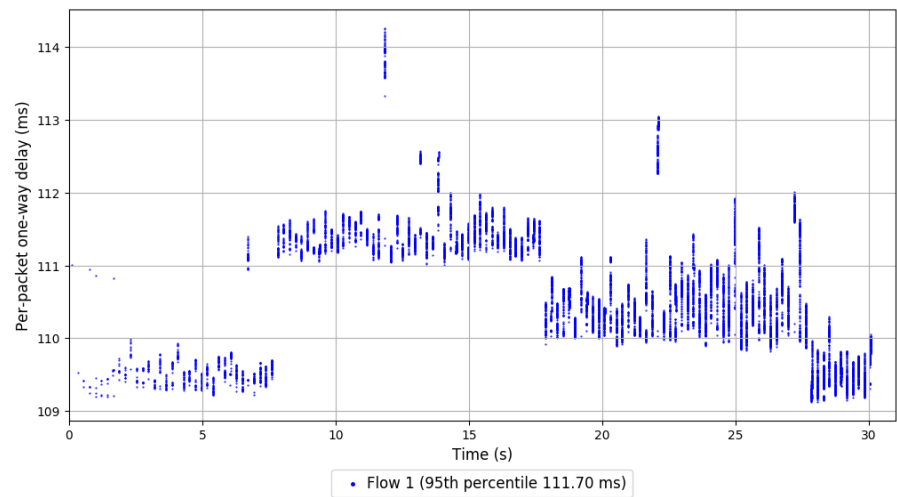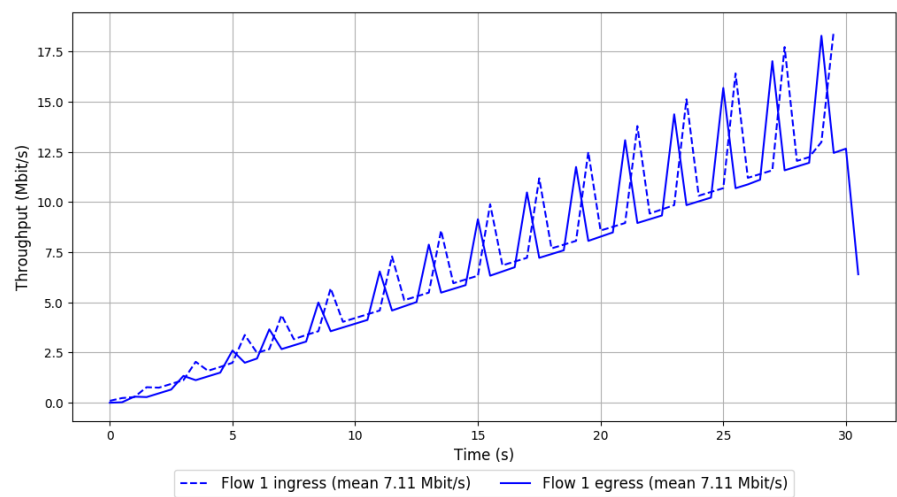
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 7.11 Mbit/s) --- Flow 1 egress (mean 7.11 Mbit/s)

Flow 1 (95th percentile 111.70 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-08-01 01:23:39
End at: 2018-08-01 01:24:09
Local clock offset: 3.703 ms
Remote clock offset: 1.898 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 112.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 112.192 ms
Loss rate: 0.00%
```
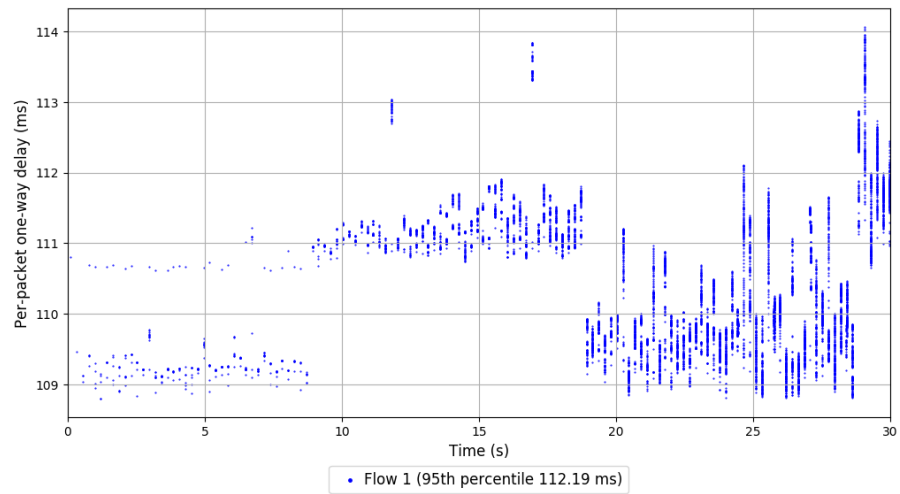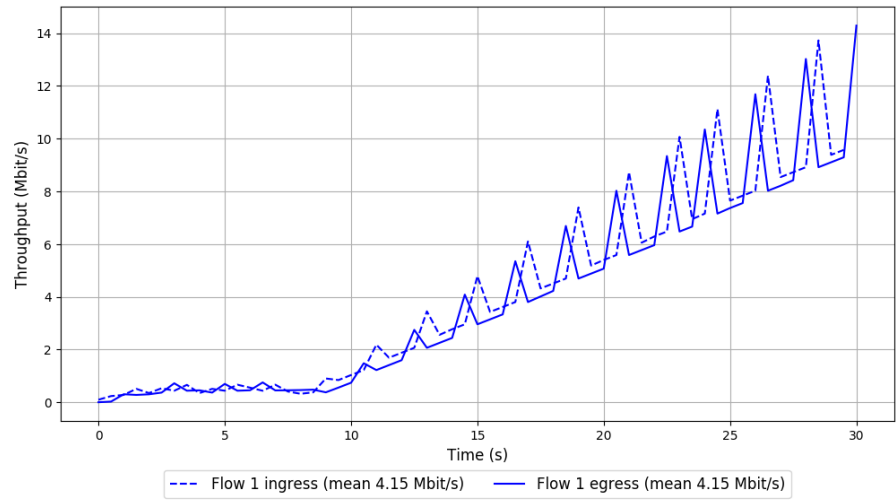
Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2018-08-01 01:46:29
End at: 2018-08-01 01:46:59
Local clock offset: 3.138 ms
Remote clock offset: 0.99 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 111.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 111.669 ms
Loss rate: 0.00%
```
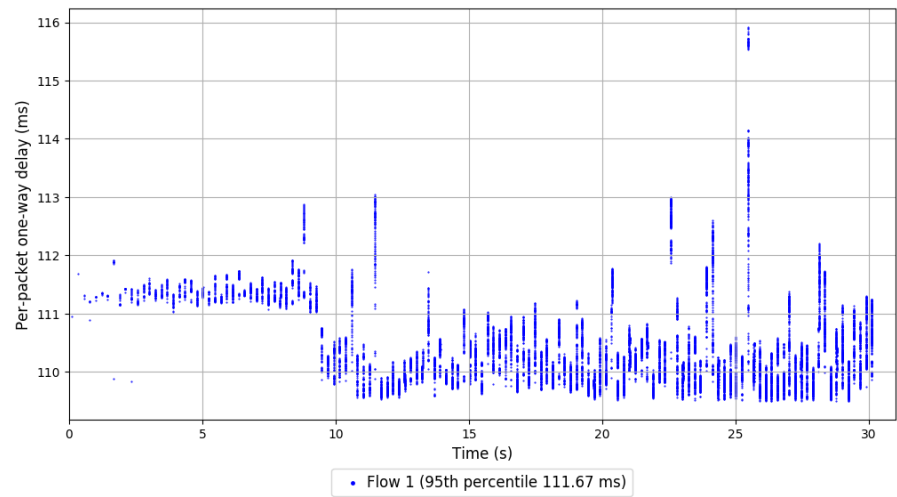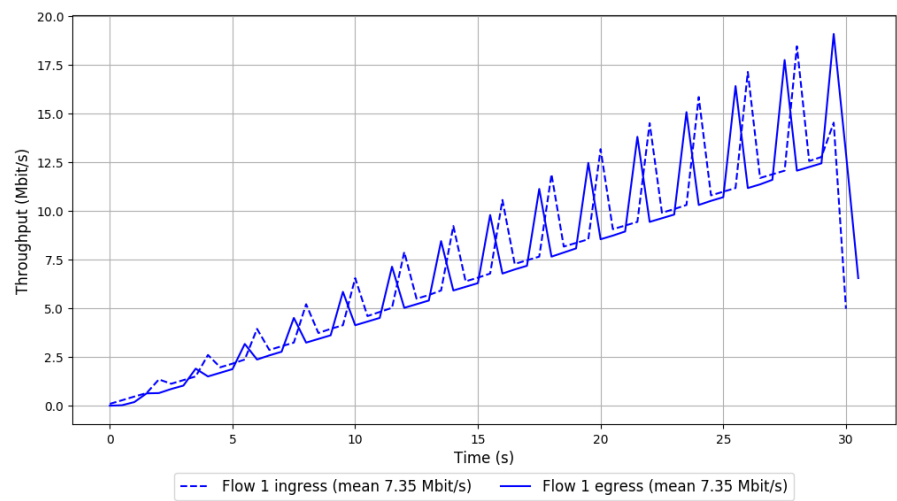
Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2018-08-01 02:09:05
End at: 2018-08-01 02:09:35
Local clock offset: -0.353 ms
Remote clock offset: 0.749 ms

# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 113.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 113.620 ms
Loss rate: 0.00%
```
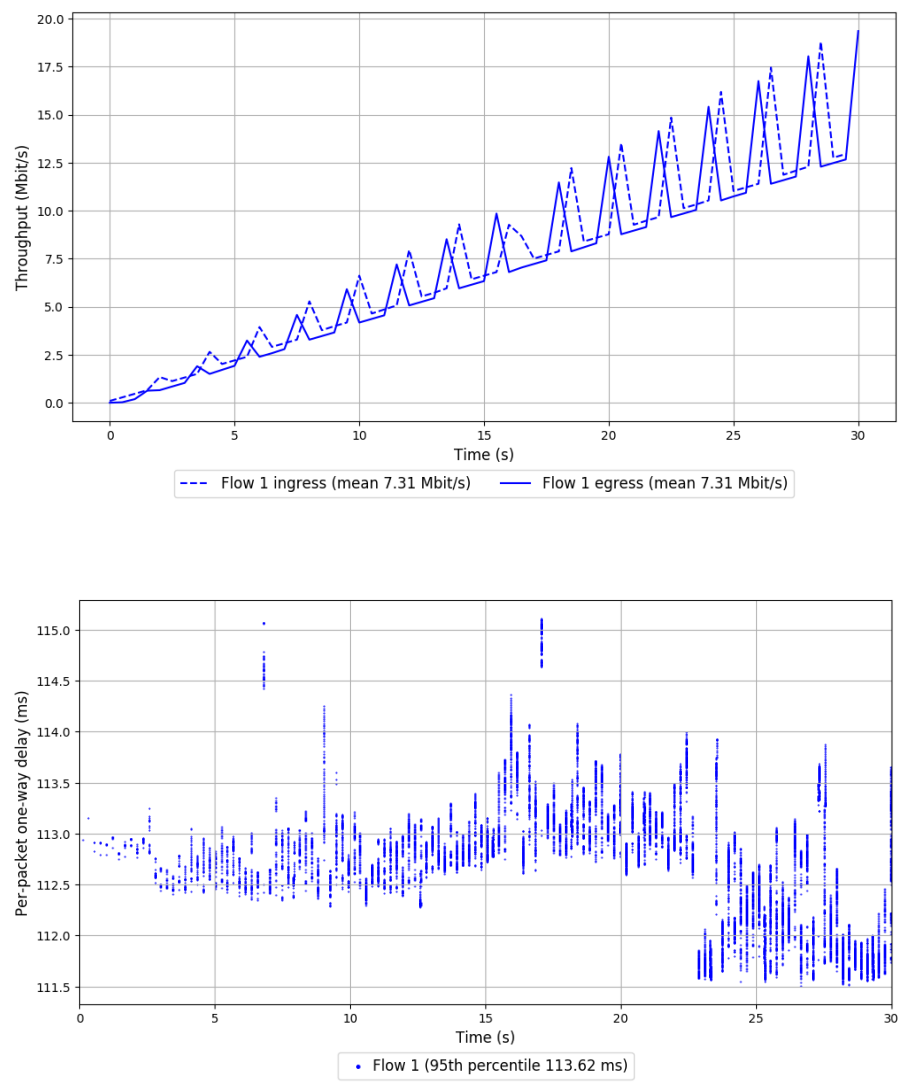
Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2018-08-01 02:32:09
End at: 2018-08-01 02:32:39
Local clock offset: 0.31 ms
Remote clock offset: 1.282 ms


# Below is generated by plot.py at 2018-08-01 03:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 112.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 112.990 ms
Loss rate: 0.00%
```
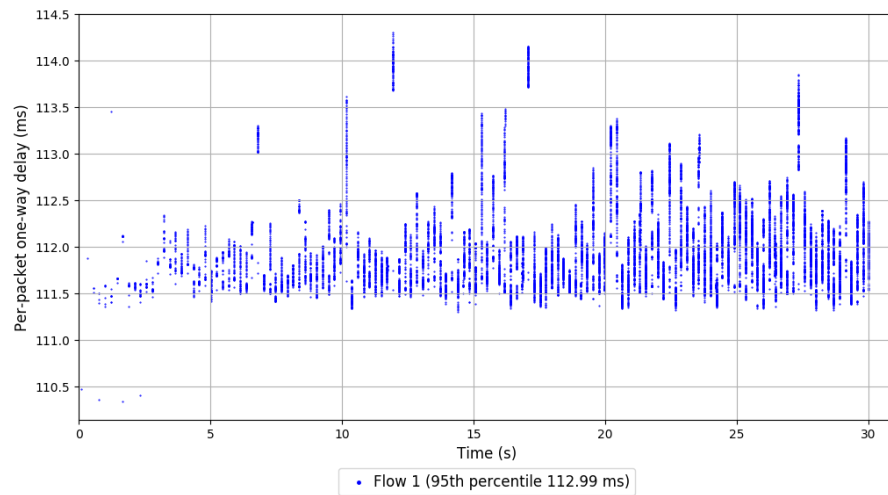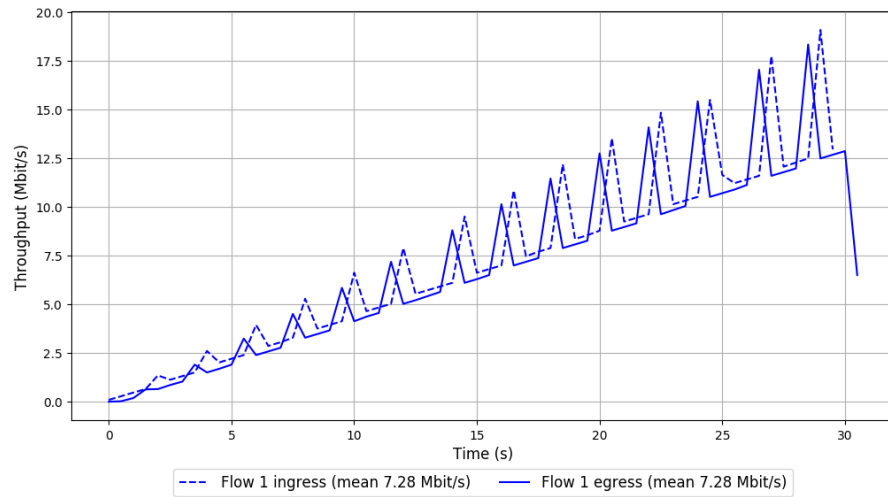
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 7.28 Mbit/s) --- Flow 1 egress (mean 7.28 Mbit/s)
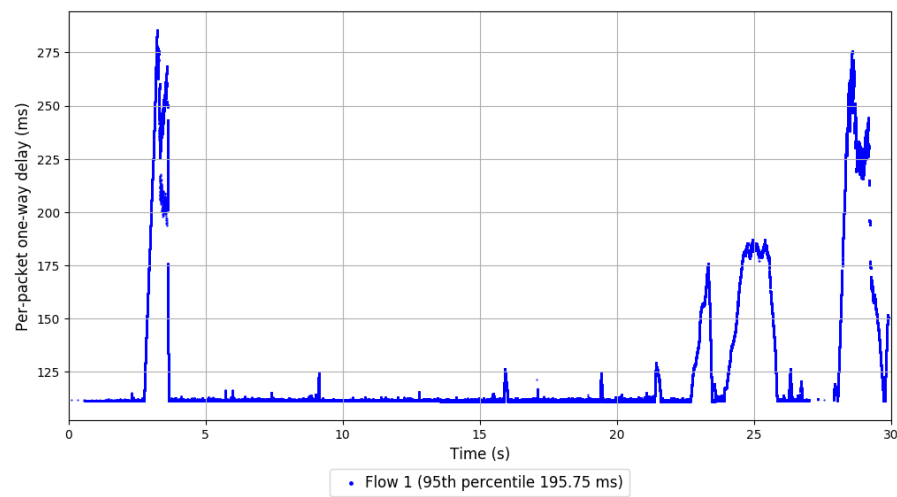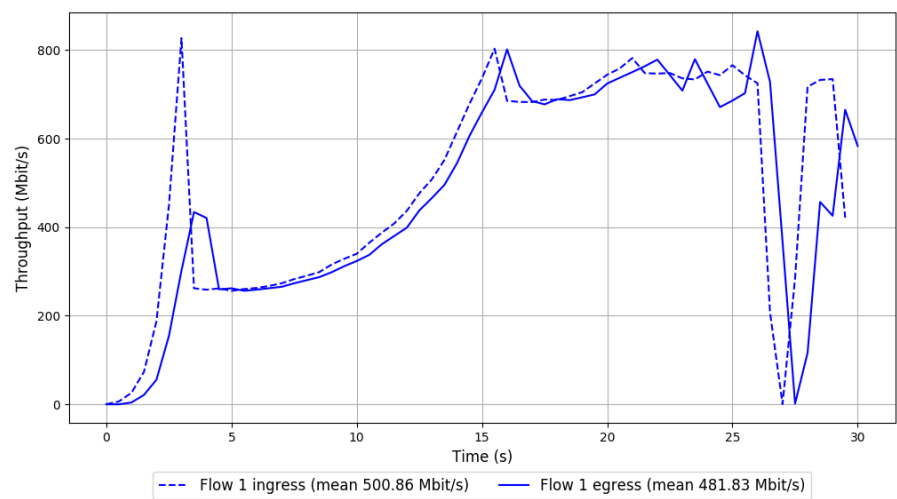

Flow 1 (95th percentile 112.99 ms)

```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-31 22:57:54
End at: 2018-07-31 22:58:24
Local clock offset: 6.449 ms
Remote clock offset: 5.651 ms


# Below is generated by plot.py at 2018-08-01 03:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 481.83 Mbit/s
95th percentile per-packet one-way delay: 195.746 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 481.83 Mbit/s
95th percentile per-packet one-way delay: 195.746 ms
Loss rate: 3.80%
```

Run 1: Report of PCC-Allegro — Data Link

```
Run 2: Statistics of PCC-Allegro

Start at: 2018-07-31 23:20:40
End at: 2018-07-31 23:21:10
Local clock offset: 19.538 ms
Remote clock offset: 17.887 ms


# Below is generated by plot.py at 2018-08-01 03:54:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 601.84 Mbit/s
95th percentile per-packet one-way delay: 137.114 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 601.84 Mbit/s
95th percentile per-packet one-way delay: 137.114 ms
Loss rate: 0.92%
```
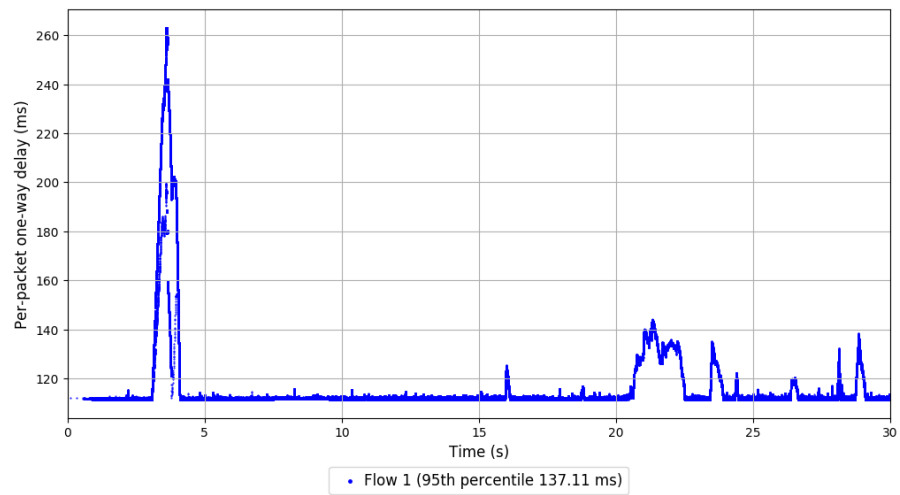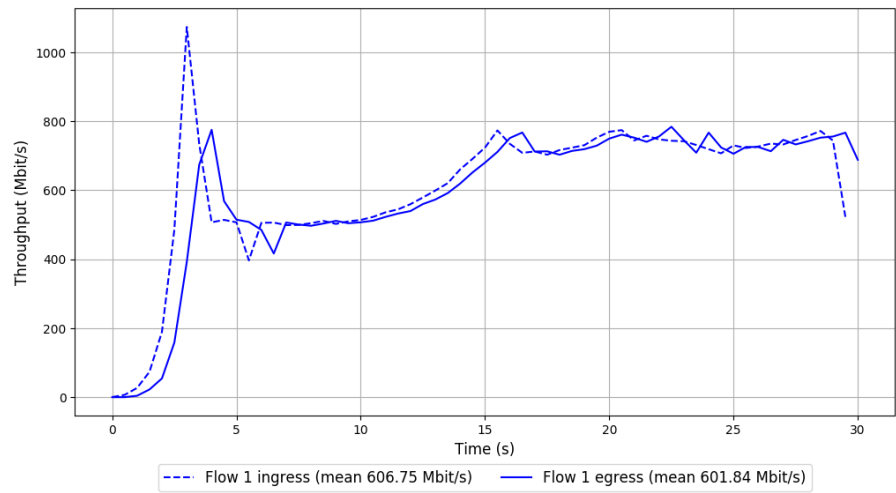
Run 2: Report of PCC-Allegro — Data Link

```
Run 3: Statistics of PCC-Allegro

Start at: 2018-07-31 23:43:25
End at: 2018-07-31 23:43:55
Local clock offset: 24.32 ms
Remote clock offset: 21.319 ms


# Below is generated by plot.py at 2018-08-01 03:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 632.61 Mbit/s
95th percentile per-packet one-way delay: 181.900 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 632.61 Mbit/s
95th percentile per-packet one-way delay: 181.900 ms
Loss rate: 1.43%
```
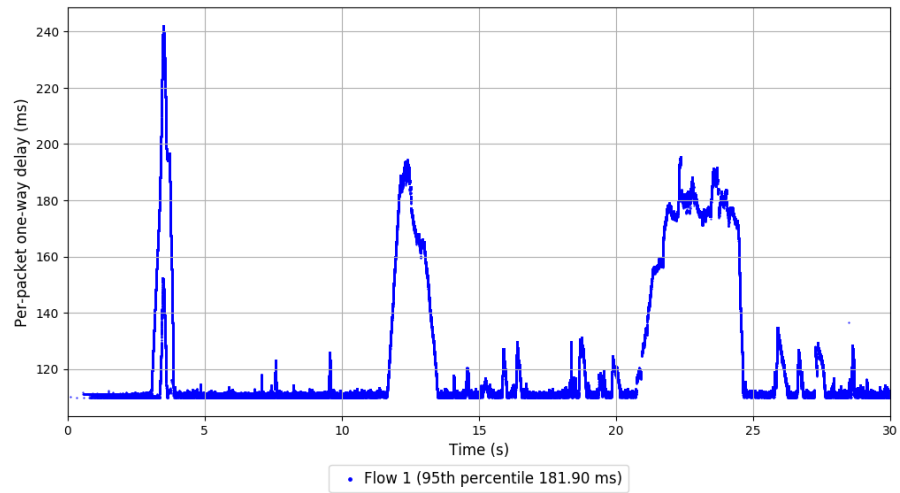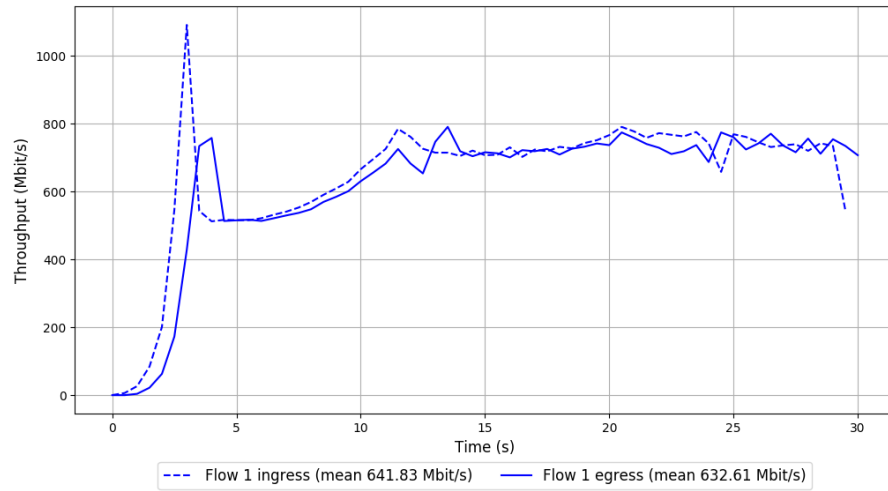
Run 3: Report of PCC-Allegro — Data Link

```
Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 00:06:15
End at: 2018-08-01 00:06:45
Local clock offset: 24.624 ms
Remote clock offset: 21.73 ms


# Below is generated by plot.py at 2018-08-01 03:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 524.67 Mbit/s
95th percentile per-packet one-way delay: 178.690 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 524.67 Mbit/s
95th percentile per-packet one-way delay: 178.690 ms
Loss rate: 1.37%
```
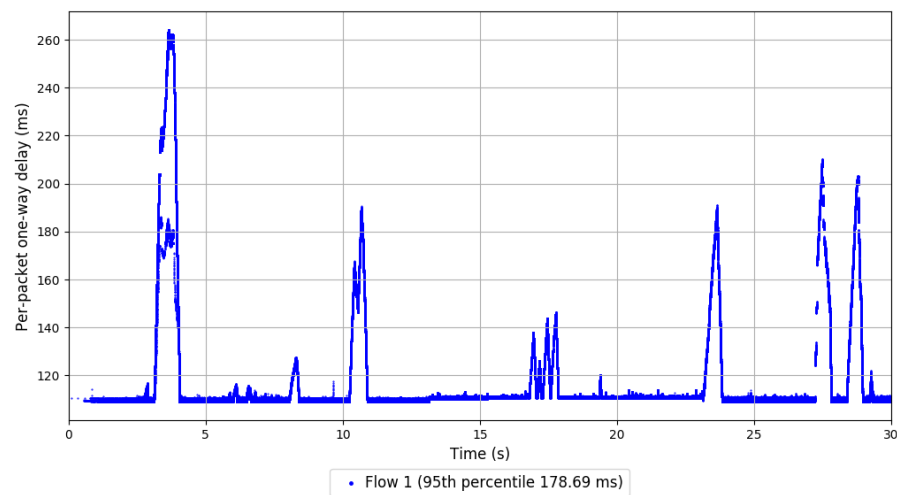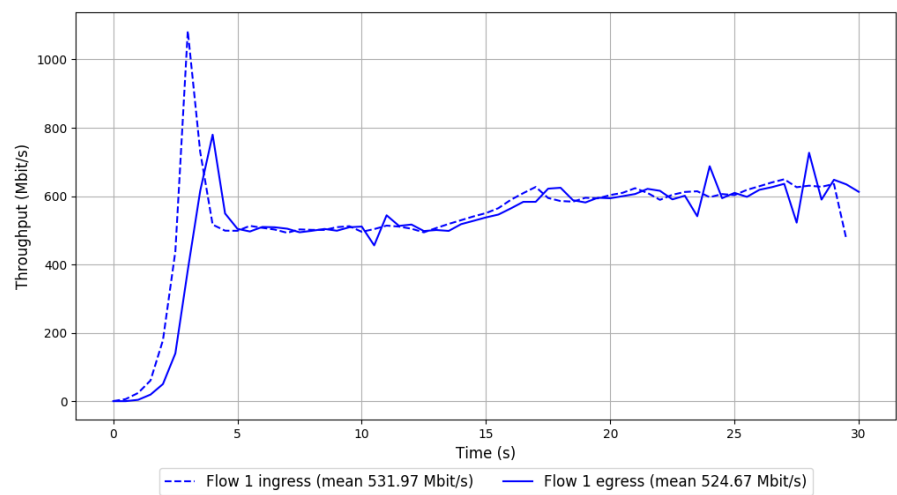
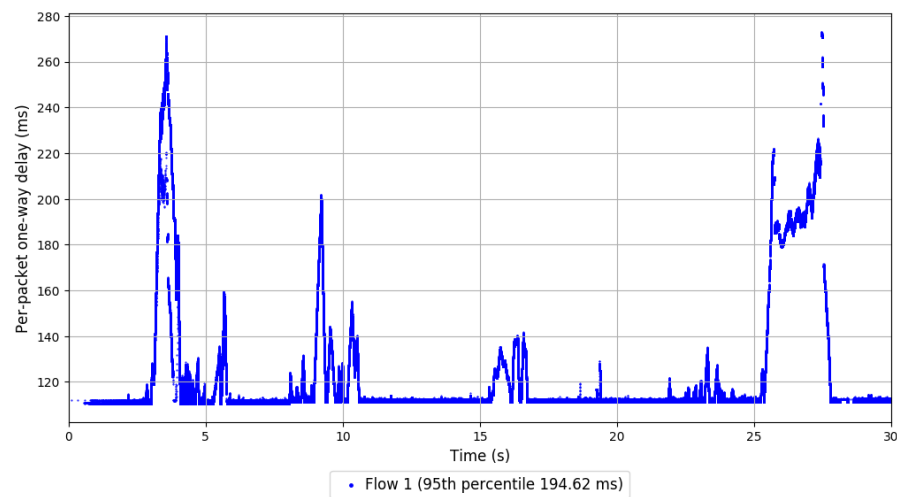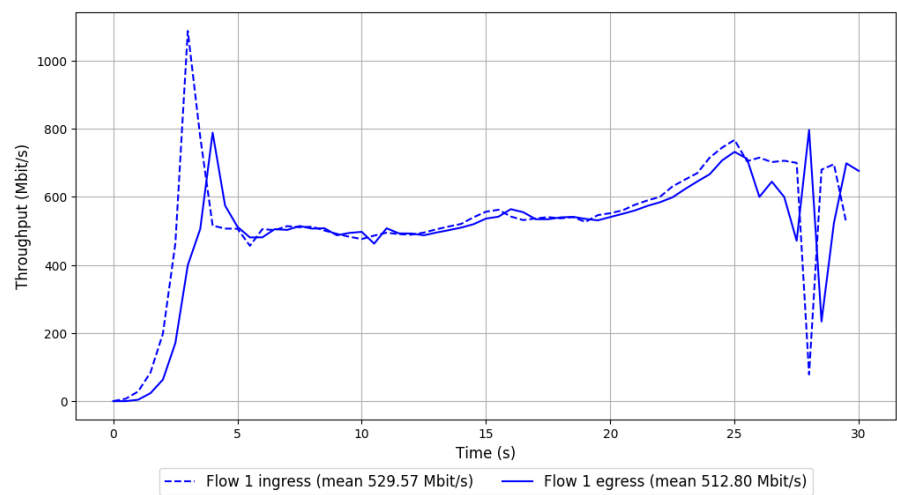Run 4: Report of PCC-Allegro — Data Link

```
Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 00:28:40
End at: 2018-08-01 00:29:10
Local clock offset: 16.987 ms
Remote clock offset: 16.465 ms


# Below is generated by plot.py at 2018-08-01 03:59:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 512.80 Mbit/s
95th percentile per-packet one-way delay: 194.618 ms
Loss rate: 3.17%
-- Flow 1:
Average throughput: 512.80 Mbit/s
95th percentile per-packet one-way delay: 194.618 ms
Loss rate: 3.17%
```

Run 5: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 529.57 Mbit/s)   Flow 1 egress (mean 512.80 Mbit/s)

Flow 1 (95th percentile 194.62 ms)

```
Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 00:51:24
End at: 2018-08-01 00:51:54
Local clock offset: 8.81 ms
Remote clock offset: 6.882 ms


# Below is generated by plot.py at 2018-08-01 03:59:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 484.95 Mbit/s
95th percentile per-packet one-way delay: 171.558 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 484.95 Mbit/s
95th percentile per-packet one-way delay: 171.558 ms
Loss rate: 1.70%
```
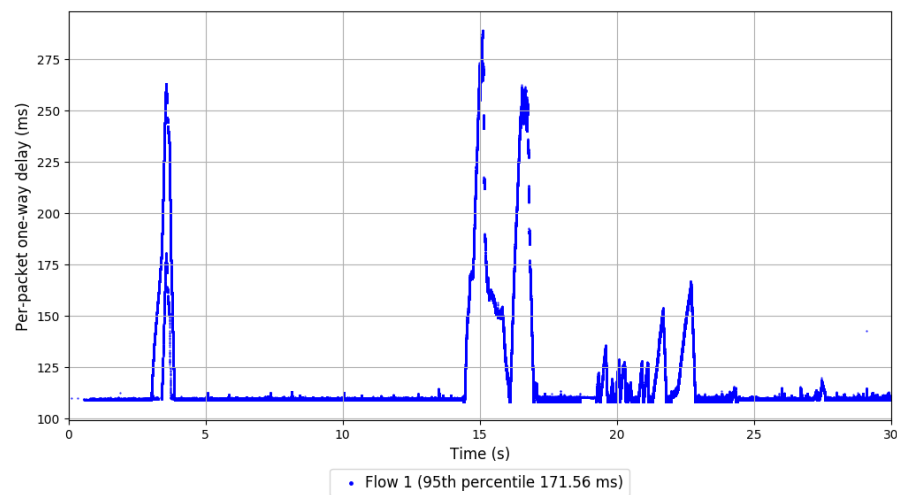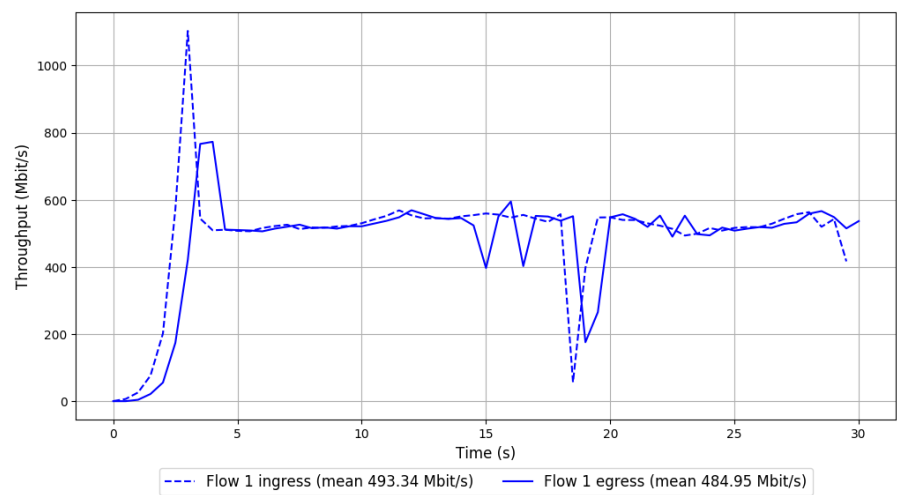
Run 6: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 493.34 Mbit/s)   Flow 1 egress (mean 484.95 Mbit/s)

• Flow 1 (95th percentile 171.56 ms)

```
Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 01:14:14
End at: 2018-08-01 01:14:45
Local clock offset: 4.941 ms
Remote clock offset: 4.862 ms


# Below is generated by plot.py at 2018-08-01 04:01:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 569.14 Mbit/s
95th percentile per-packet one-way delay: 184.915 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 569.14 Mbit/s
95th percentile per-packet one-way delay: 184.915 ms
Loss rate: 2.04%
```
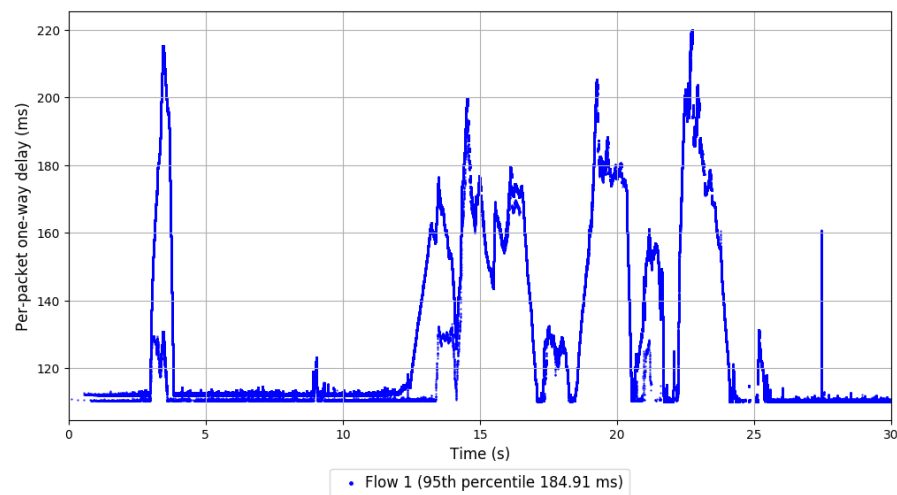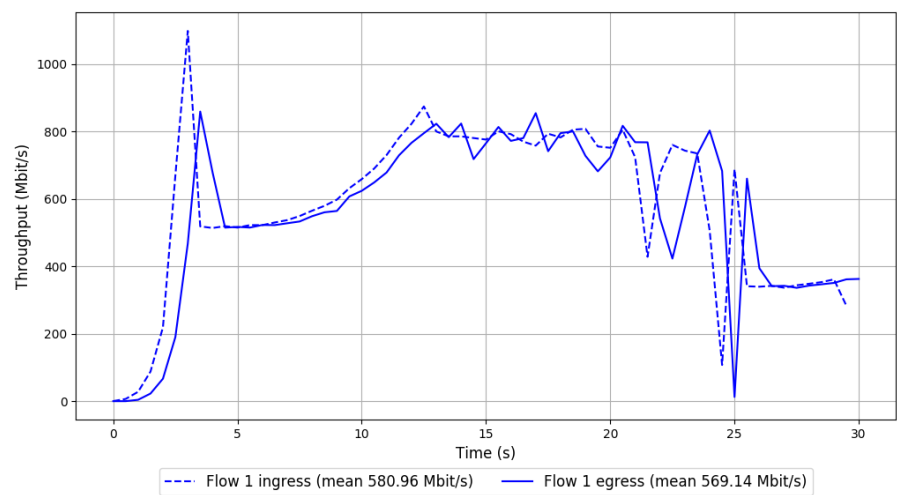
Run 7: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 580.96 Mbit/s)   Flow 1 egress (mean 569.14 Mbit/s)

· Flow 1 (95th percentile 184.91 ms)

```
Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 01:37:07
End at: 2018-08-01 01:37:37
Local clock offset: 4.186 ms
Remote clock offset: 1.82 ms


# Below is generated by plot.py at 2018-08-01 04:02:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 598.05 Mbit/s
95th percentile per-packet one-way delay: 147.056 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 598.05 Mbit/s
95th percentile per-packet one-way delay: 147.056 ms
Loss rate: 0.59%
```
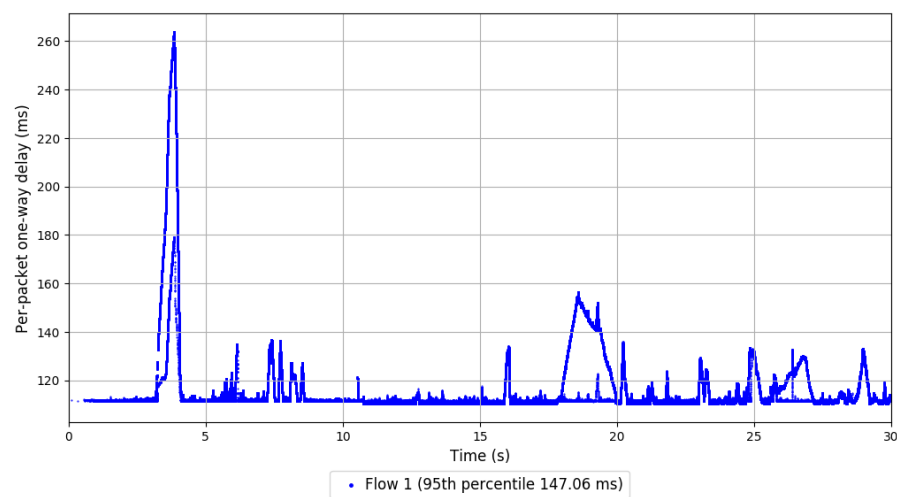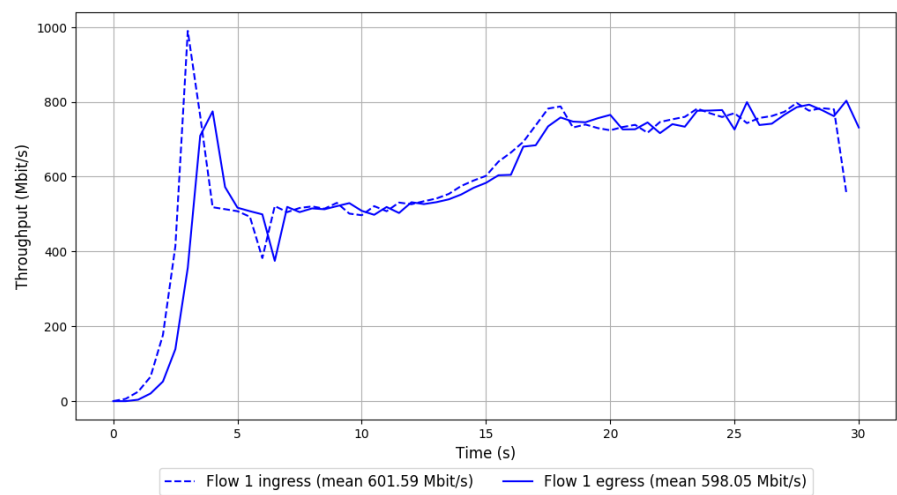
Run 8: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 601.59 Mbit/s)   Flow 1 egress (mean 598.05 Mbit/s)

• Flow 1 (95th percentile 147.06 ms)

```
Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 01:59:47
End at: 2018-08-01 02:00:17
Local clock offset: 0.963 ms
Remote clock offset: 0.672 ms


# Below is generated by plot.py at 2018-08-01 04:02:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 583.81 Mbit/s
95th percentile per-packet one-way delay: 142.983 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 583.81 Mbit/s
95th percentile per-packet one-way delay: 142.983 ms
Loss rate: 0.53%
```
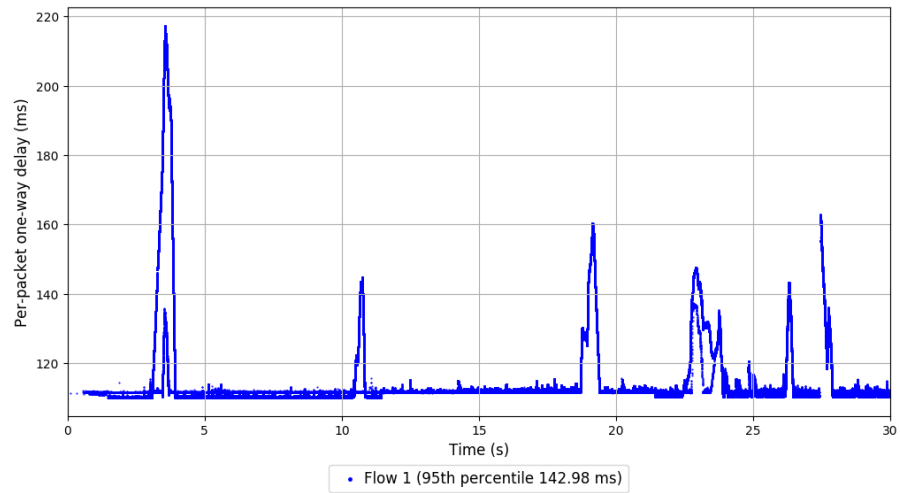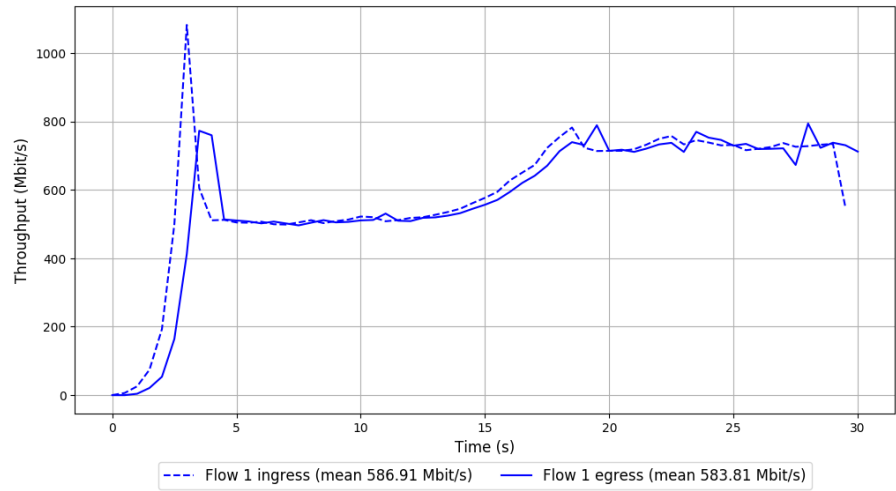
Run 9: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 586.91 Mbit/s)   Flow 1 egress (mean 583.81 Mbit/s)

· Flow 1 (95th percentile 142.98 ms)

```
Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 02:22:33
End at: 2018-08-01 02:23:03
Local clock offset: 0.503 ms
Remote clock offset: 1.108 ms


# Below is generated by plot.py at 2018-08-01 04:04:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 542.43 Mbit/s
95th percentile per-packet one-way delay: 140.864 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 542.43 Mbit/s
95th percentile per-packet one-way delay: 140.864 ms
Loss rate: 0.71%
```
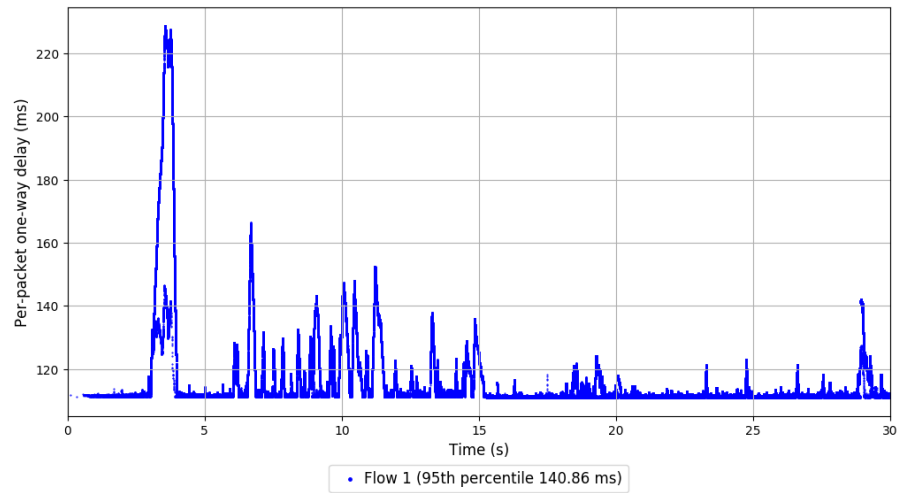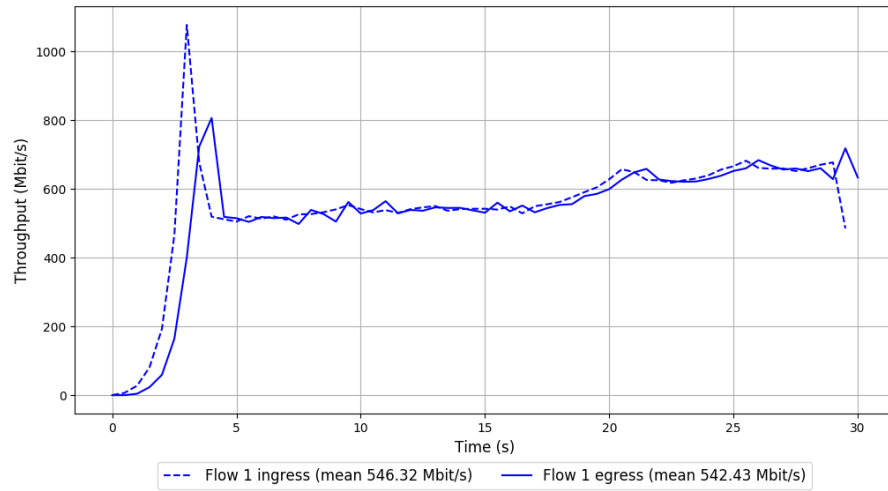
Run 10: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 546.32 Mbit/s) --- Flow 1 egress (mean 542.43 Mbit/s)
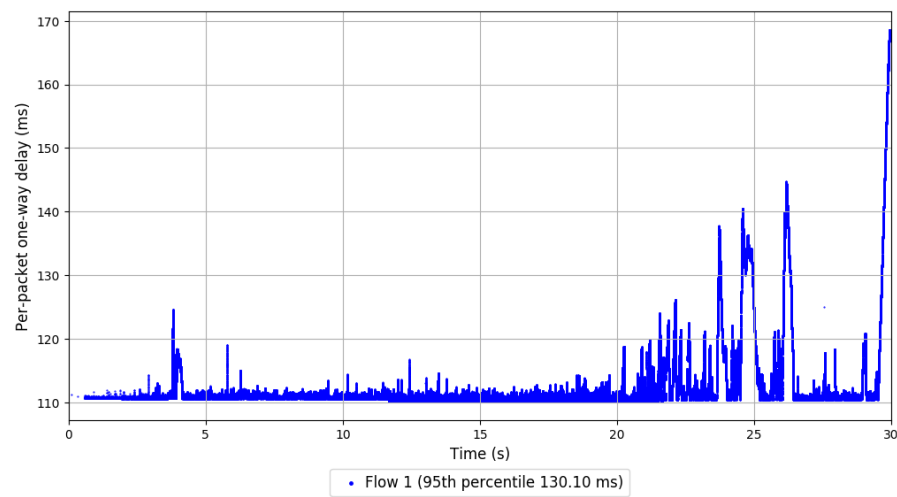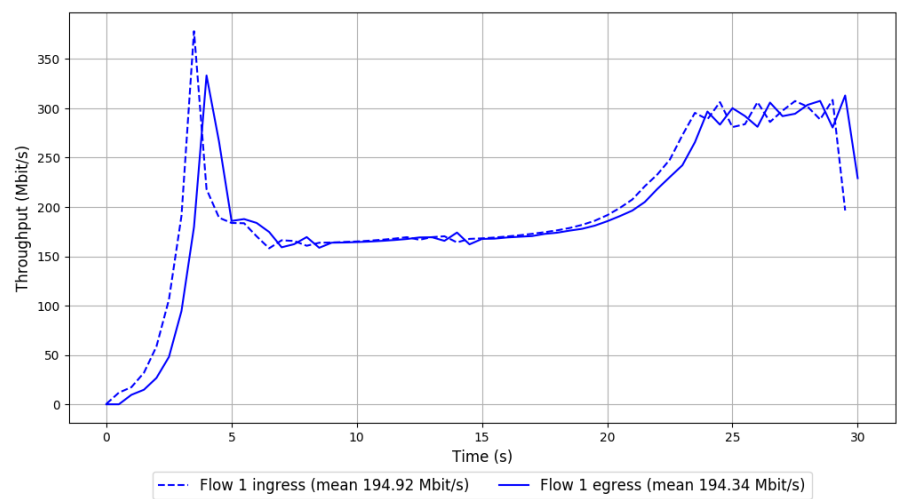

• Flow 1 (95th percentile 140.86 ms)

```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-31 23:00:56
End at: 2018-07-31 23:01:26
Local clock offset: 12.014 ms
Remote clock offset: 10.128 ms


# Below is generated by plot.py at 2018-08-01 04:04:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.34 Mbit/s
95th percentile per-packet one-way delay: 130.103 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 194.34 Mbit/s
95th percentile per-packet one-way delay: 130.103 ms
Loss rate: 0.29%
```

Run 1: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 194.92 Mbit/s)   Flow 1 egress (mean 194.34 Mbit/s)
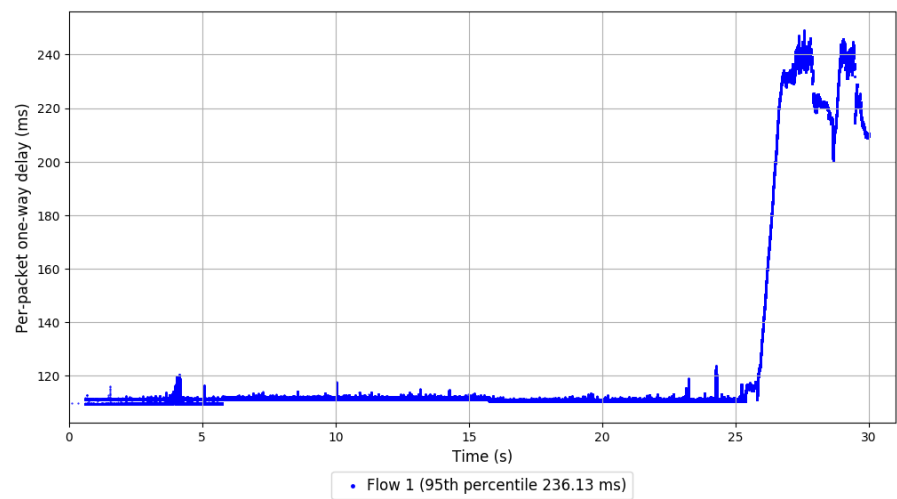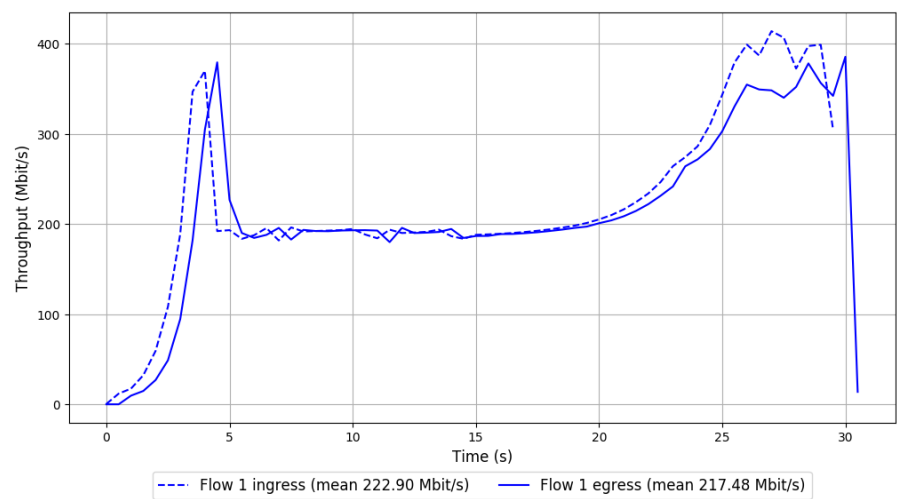

Flow 1 (95th percentile 130.10 ms)

```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-31 23:23:42
End at: 2018-07-31 23:24:12
Local clock offset: 23.971 ms
Remote clock offset: 21.68 ms


# Below is generated by plot.py at 2018-08-01 04:04:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.48 Mbit/s
95th percentile per-packet one-way delay: 236.135 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 217.48 Mbit/s
95th percentile per-packet one-way delay: 236.135 ms
Loss rate: 2.42%
```

Run 2: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 222.90 Mbit/s)   Flow 1 egress (mean 217.48 Mbit/s)

Flow 1 (95th percentile 236.13 ms)

```
Run 3: Statistics of PCC-Expr

Start at: 2018-07-31 23:46:30
End at: 2018-07-31 23:47:00
Local clock offset: 27.011 ms
Remote clock offset: 24.38 ms

# Below is generated by plot.py at 2018-08-01 04:05:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.16 Mbit/s
95th percentile per-packet one-way delay: 186.387 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 203.16 Mbit/s
95th percentile per-packet one-way delay: 186.387 ms
Loss rate: 0.69%
```
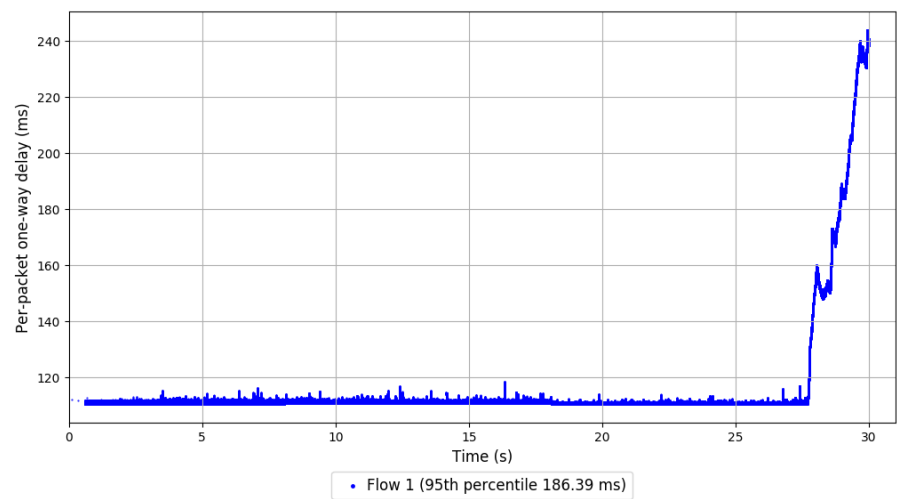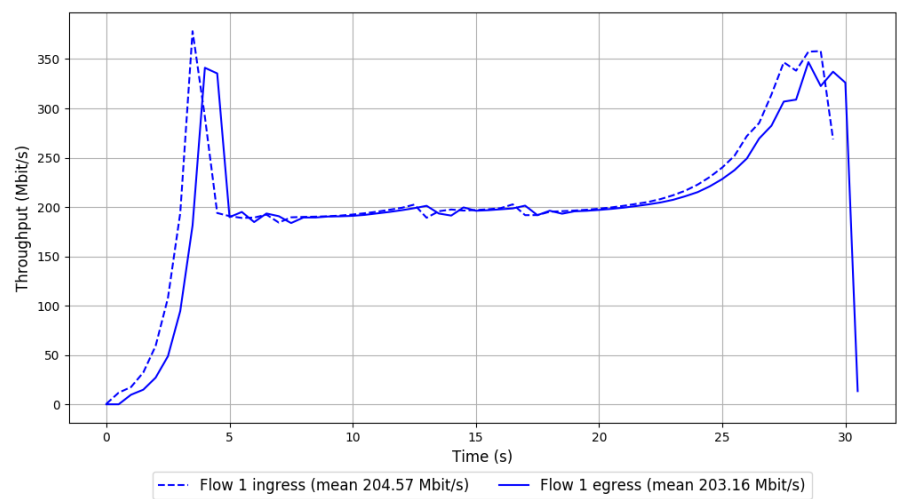
Run 3: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 204.57 Mbit/s)   Flow 1 egress (mean 203.16 Mbit/s)

Flow 1 (95th percentile 186.39 ms)

```
Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 00:09:12
End at: 2018-08-01 00:09:42
Local clock offset: 20.28 ms
Remote clock offset: 17.34 ms


# Below is generated by plot.py at 2018-08-01 04:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.15 Mbit/s
95th percentile per-packet one-way delay: 187.607 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 203.15 Mbit/s
95th percentile per-packet one-way delay: 187.607 ms
Loss rate: 0.70%
```
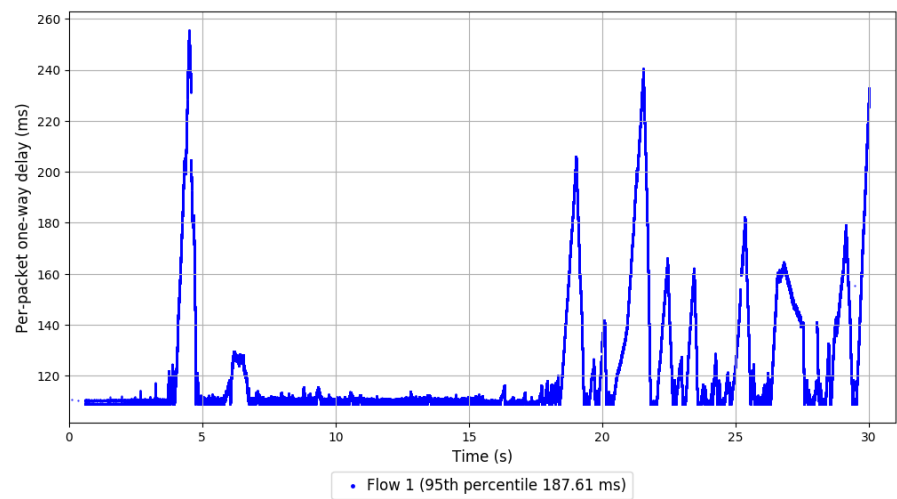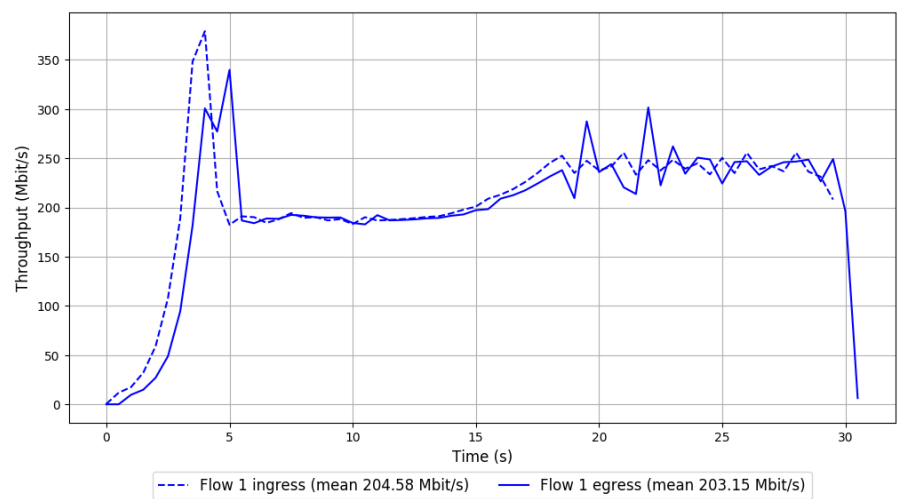
Run 4: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 204.58 Mbit/s)   Flow 1 egress (mean 203.15 Mbit/s)
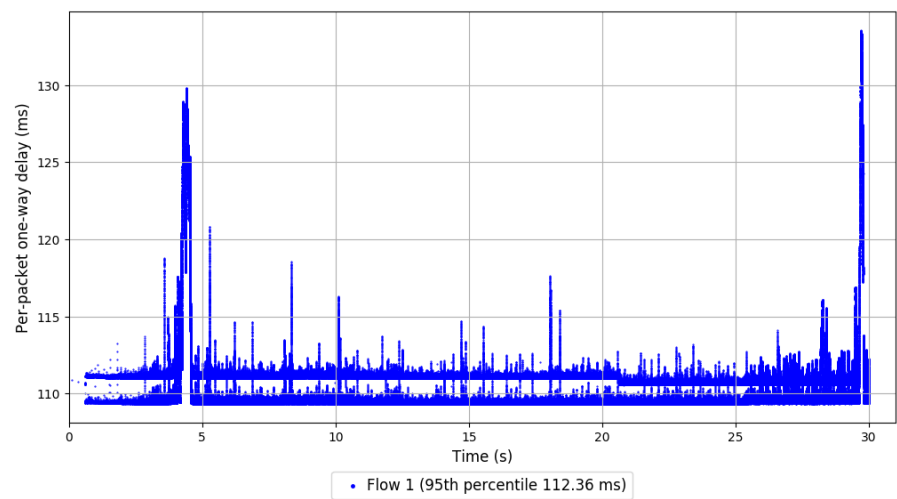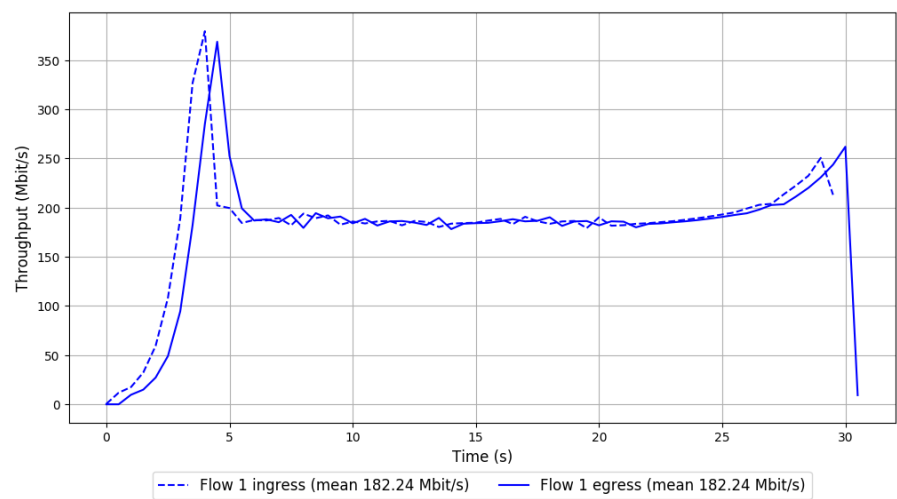

Flow 1 (95th percentile 187.61 ms)

```
Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 00:31:37
End at: 2018-08-01 00:32:07
Local clock offset: 19.483 ms
Remote clock offset: 17.698 ms


# Below is generated by plot.py at 2018-08-01 04:06:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.24 Mbit/s
95th percentile per-packet one-way delay: 112.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.24 Mbit/s
95th percentile per-packet one-way delay: 112.360 ms
Loss rate: 0.00%
```
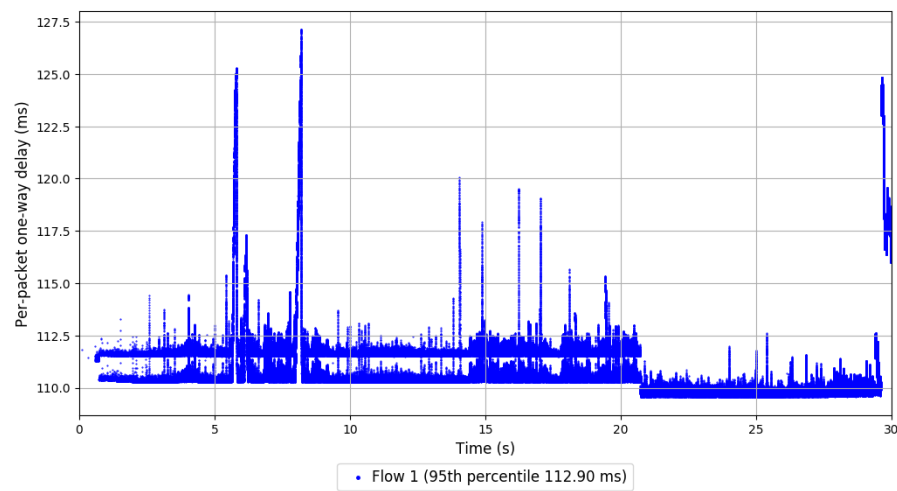
Run 5: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 182.24 Mbit/s) — — — Flow 1 egress (mean 182.24 Mbit/s)

• Flow 1 (95th percentile 112.36 ms)

```
Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 00:54:27
End at: 2018-08-01 00:54:57
Local clock offset: 7.604 ms
Remote clock offset: 7.231 ms


# Below is generated by plot.py at 2018-08-01 04:07:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.92 Mbit/s
95th percentile per-packet one-way delay: 112.896 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 192.92 Mbit/s
95th percentile per-packet one-way delay: 112.896 ms
Loss rate: 0.03%
```
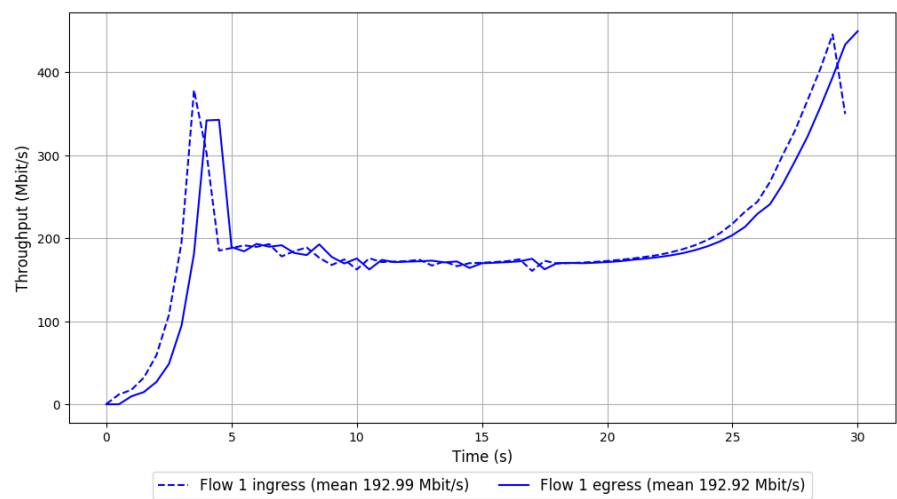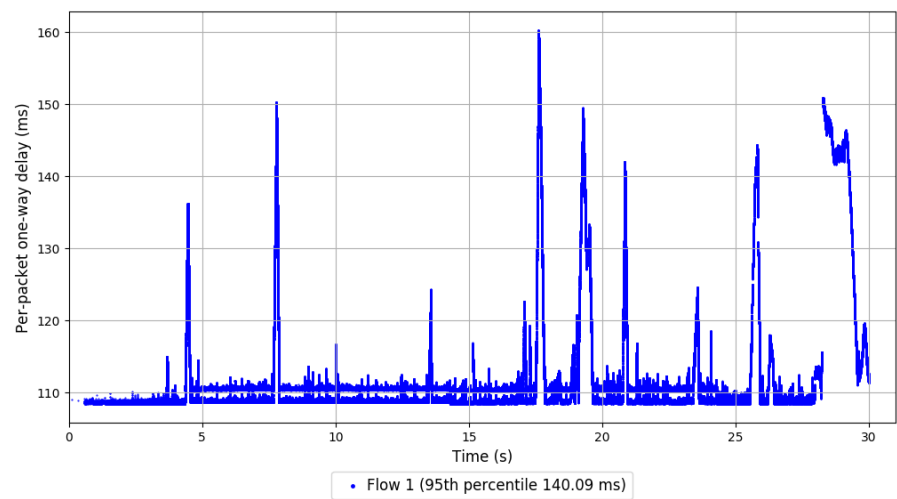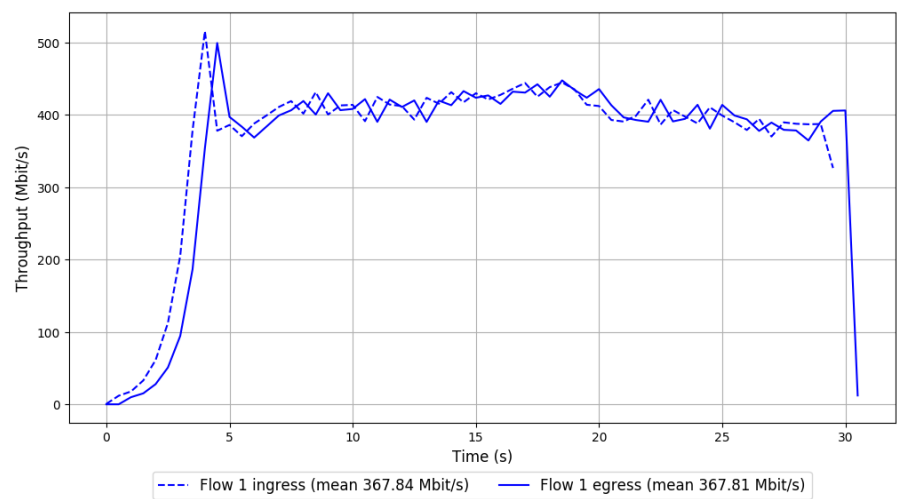
Run 6: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 192.99 Mbit/s)   Flow 1 egress (mean 192.92 Mbit/s)

Flow 1 (95th percentile 112.90 ms)

```
Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 01:17:14
End at: 2018-08-01 01:17:44
Local clock offset: 5.253 ms
Remote clock offset: 3.393 ms


# Below is generated by plot.py at 2018-08-01 04:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.81 Mbit/s
95th percentile per-packet one-way delay: 140.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 367.81 Mbit/s
95th percentile per-packet one-way delay: 140.092 ms
Loss rate: 0.00%
```
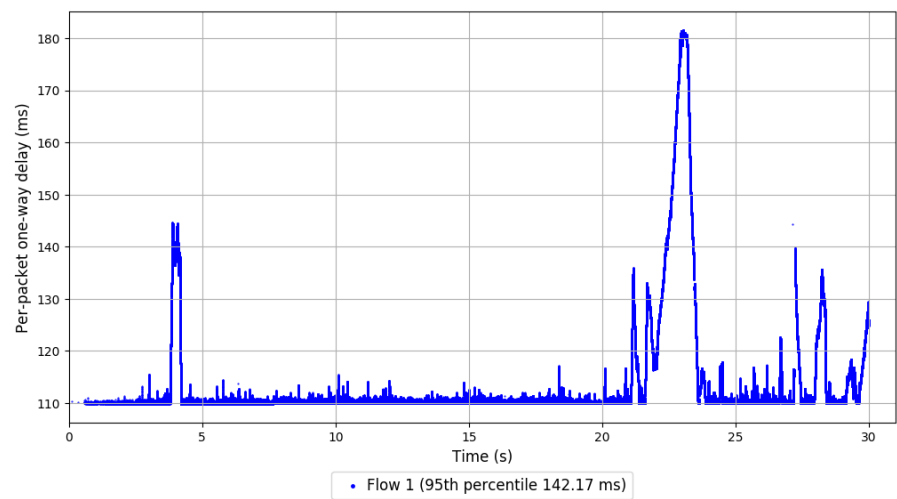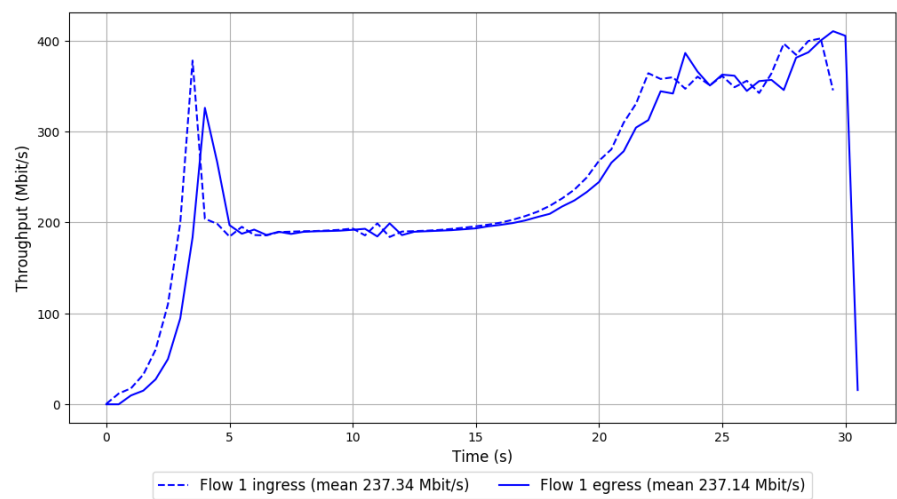
Run 7: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 367.84 Mbit/s)   Flow 1 egress (mean 367.81 Mbit/s)

Flow 1 (95th percentile 140.09 ms)

```
Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 01:40:10
End at: 2018-08-01 01:40:40
Local clock offset: 4.309 ms
Remote clock offset: 1.5 ms


# Below is generated by plot.py at 2018-08-01 04:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.14 Mbit/s
95th percentile per-packet one-way delay: 142.168 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 237.14 Mbit/s
95th percentile per-packet one-way delay: 142.168 ms
Loss rate: 0.08%
```
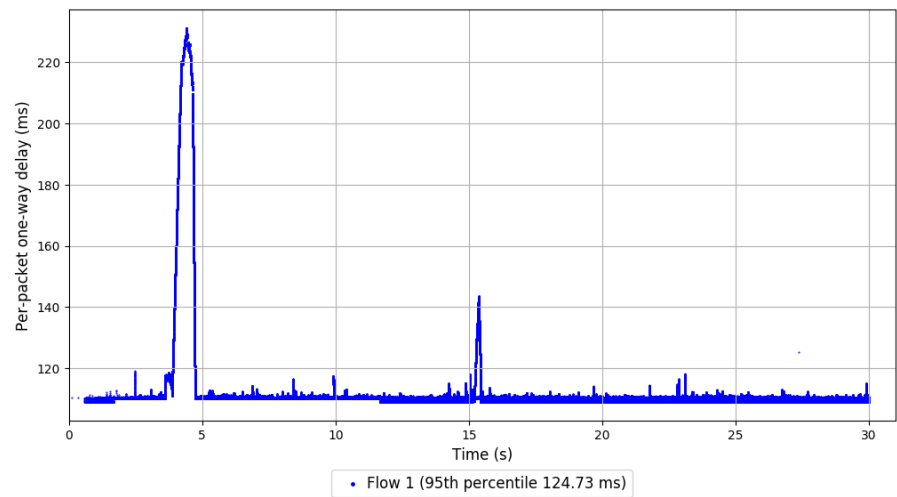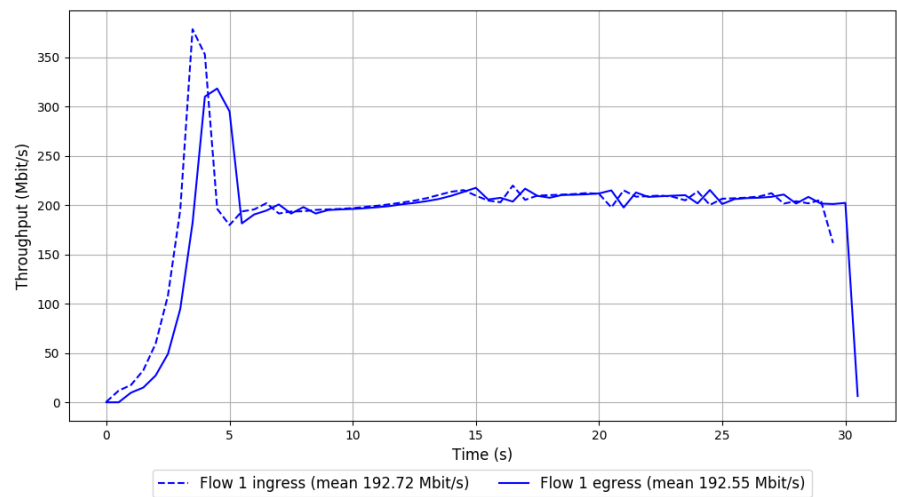
Run 8: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 237.34 Mbit/s)   Flow 1 egress (mean 237.14 Mbit/s)

Flow 1 (95th percentile 142.17 ms)

```
Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 02:02:46
End at: 2018-08-01 02:03:16
Local clock offset: 2.249 ms
Remote clock offset: 0.692 ms


# Below is generated by plot.py at 2018-08-01 04:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.55 Mbit/s
95th percentile per-packet one-way delay: 124.729 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 192.55 Mbit/s
95th percentile per-packet one-way delay: 124.729 ms
Loss rate: 0.09%
```
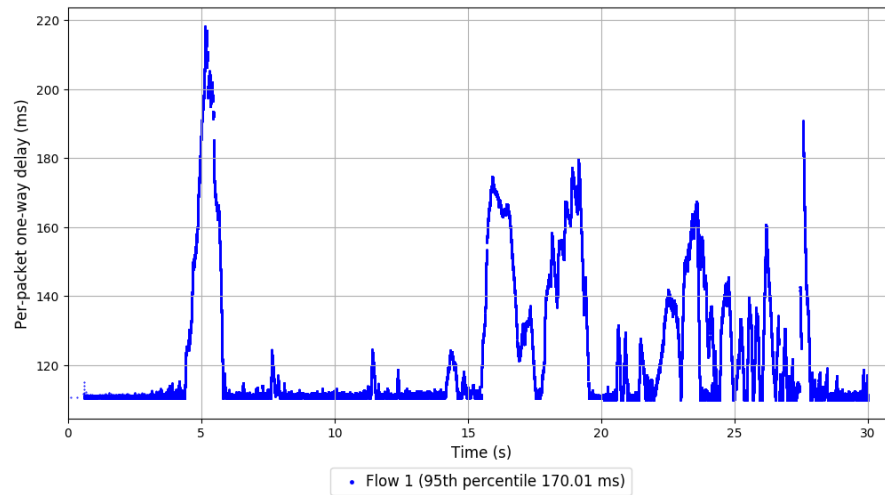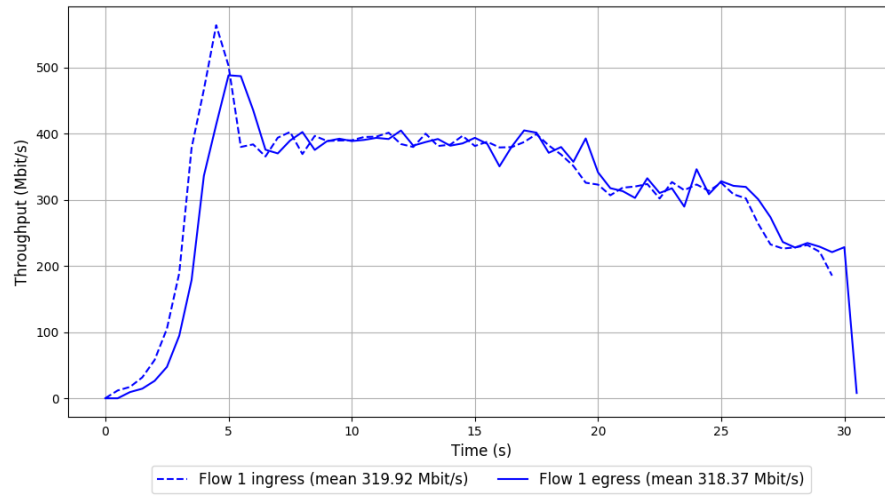
Run 9: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 192.72 Mbit/s)   Flow 1 egress (mean 192.55 Mbit/s)

Flow 1 (95th percentile 124.73 ms)

```
Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 02:25:38
End at: 2018-08-01 02:26:08
Local clock offset: 0.425 ms
Remote clock offset: 0.717 ms


# Below is generated by plot.py at 2018-08-01 04:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.37 Mbit/s
95th percentile per-packet one-way delay: 170.009 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 318.37 Mbit/s
95th percentile per-packet one-way delay: 170.009 ms
Loss rate: 0.48%
```
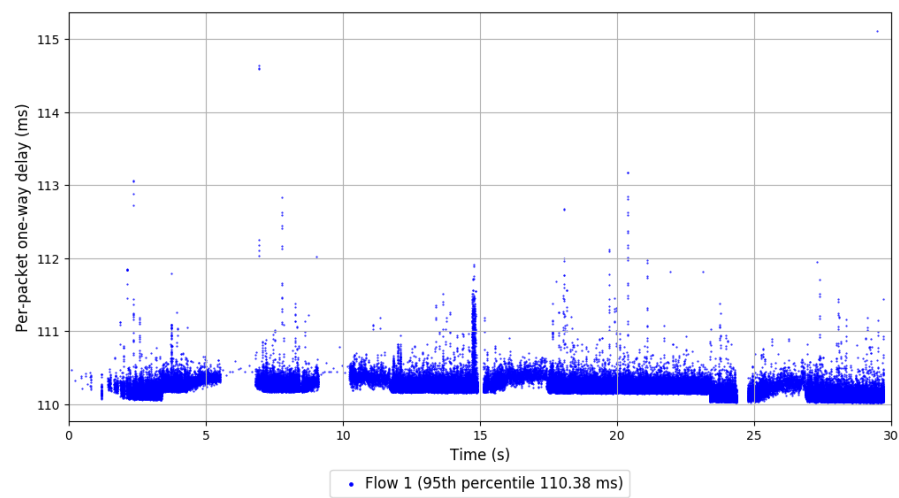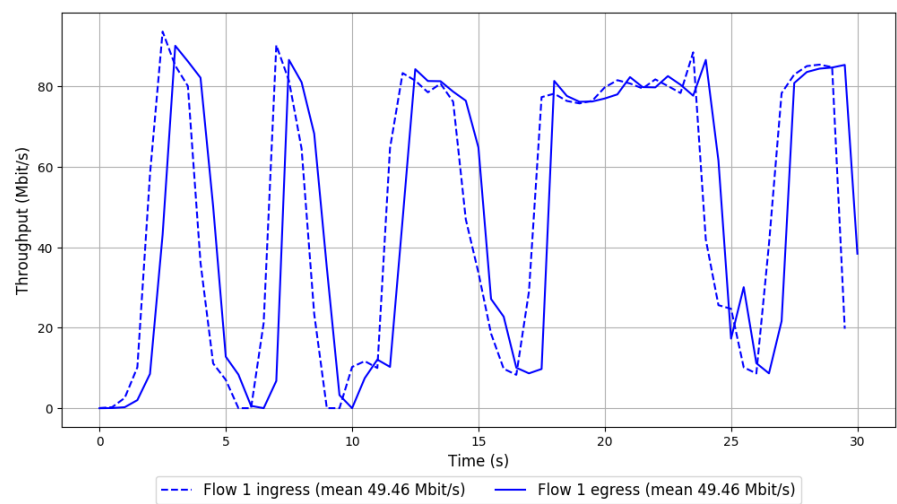
Run 10: Report of PCC-Expr — Data Link

Run 1: Statistics of QUIC Cubic

Start at: 2018-07-31 23:06:07
End at: 2018-07-31 23:06:37
Local clock offset: 12.921 ms
Remote clock offset: 11.61 ms

Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-07-31 23:29:06
End at: 2018-07-31 23:29:36
Local clock offset: 23.498 ms
Remote clock offset: 20.284 ms


# Below is generated by plot.py at 2018-08-01 04:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 110.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 110.384 ms
Loss rate: 0.00%
```
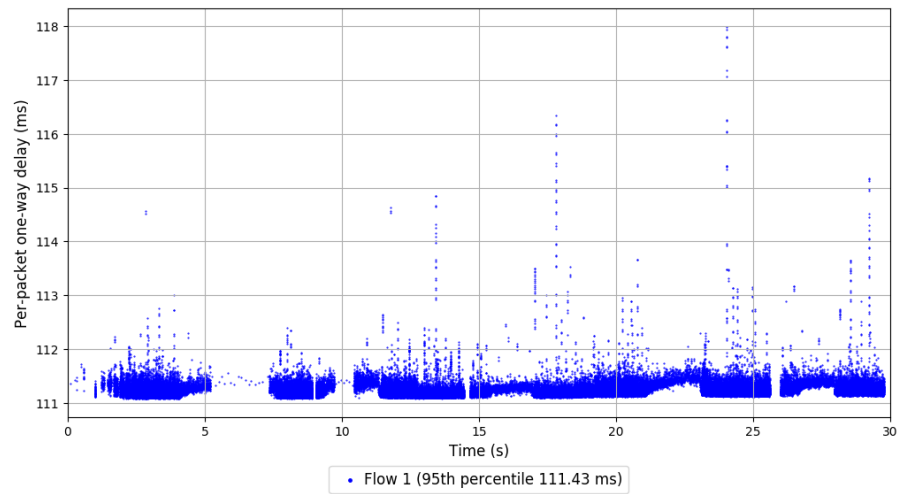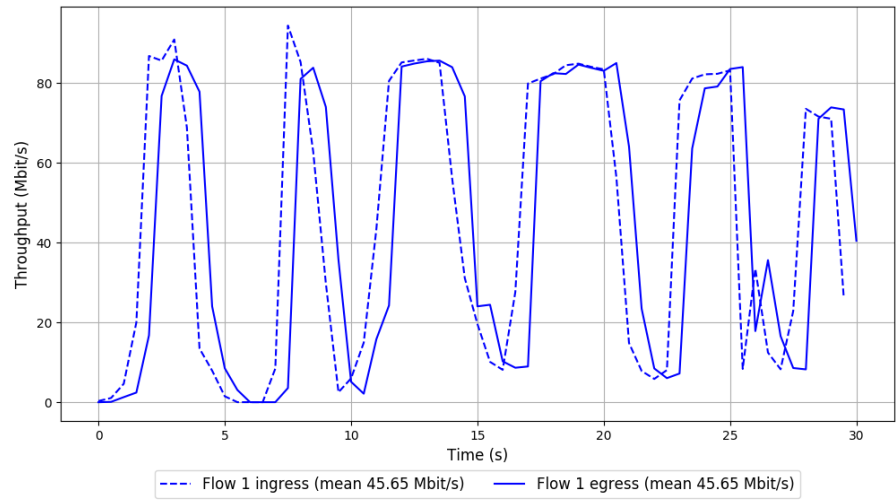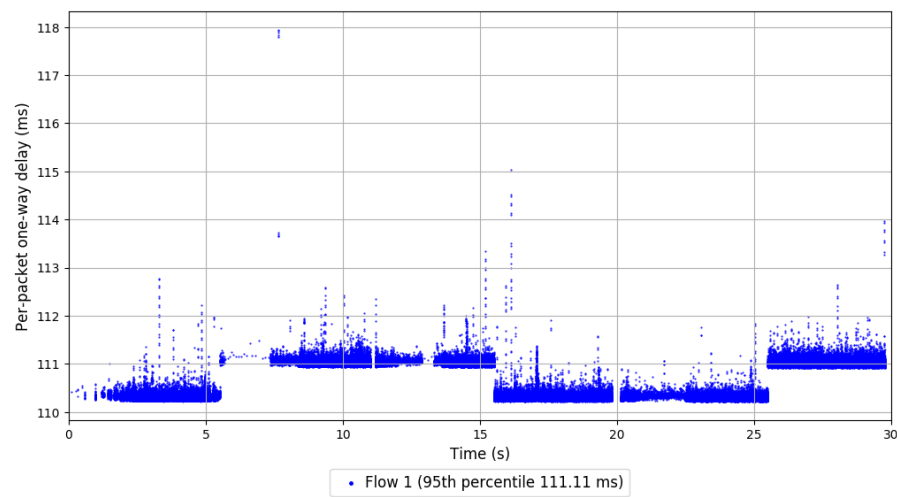
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 49.46 Mbit/s)   Flow 1 egress (mean 49.46 Mbit/s)

Flow 1 (95th percentile 110.38 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-07-31 23:51:38
End at: 2018-07-31 23:52:08
Local clock offset: 31.826 ms
Remote clock offset: 29.015 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 111.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 111.428 ms
Loss rate: 0.00%
```
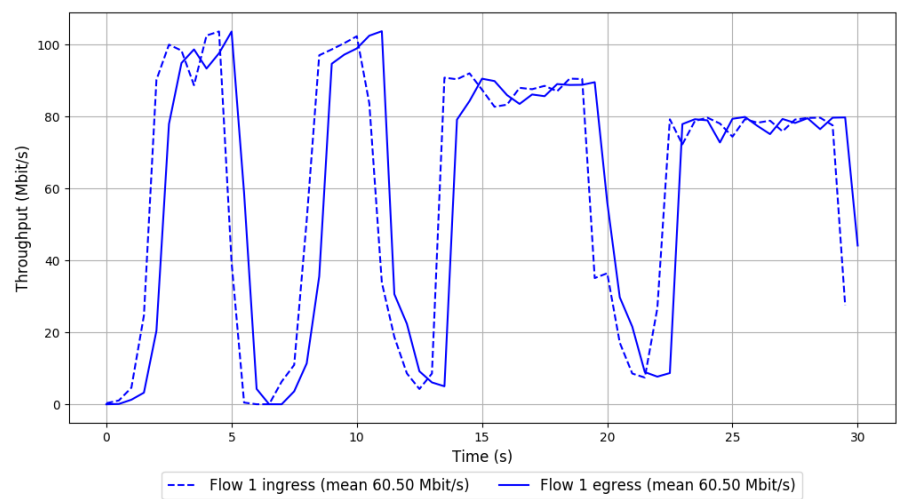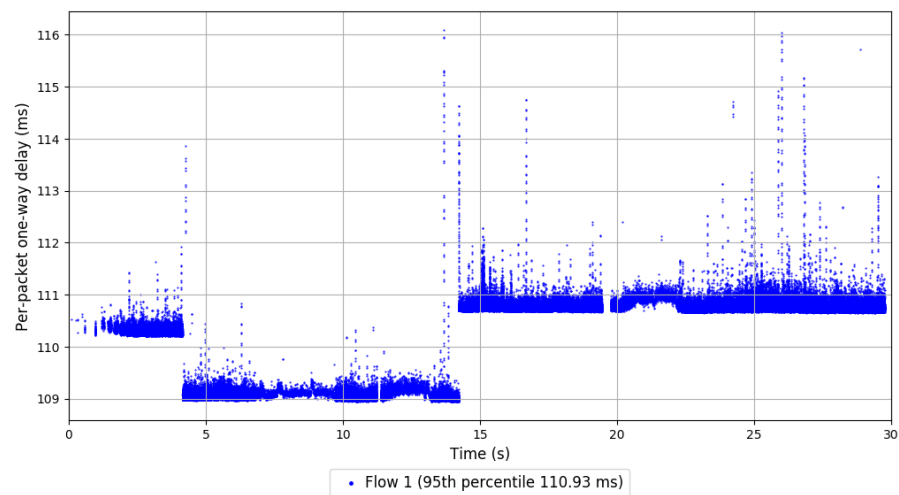
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 00:14:14
End at: 2018-08-01 00:14:44
Local clock offset: 16.518 ms
Remote clock offset: 14.715 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 111.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 111.107 ms
Loss rate: 0.00%
```
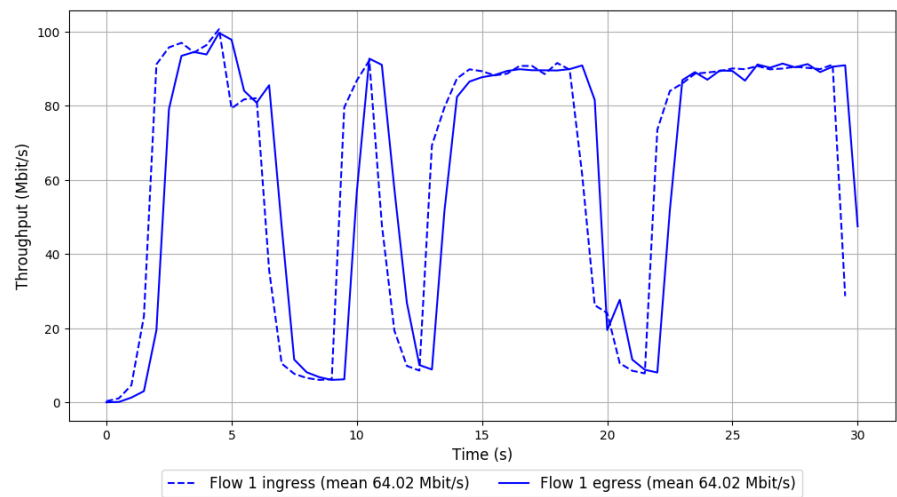
Run 4: Report of QUIC Cubic — Data Link

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```
Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 00:36:36
End at: 2018-08-01 00:37:06
Local clock offset: 16.864 ms
Remote clock offset: 15.129 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 110.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 110.929 ms
Loss rate: 0.00%
```
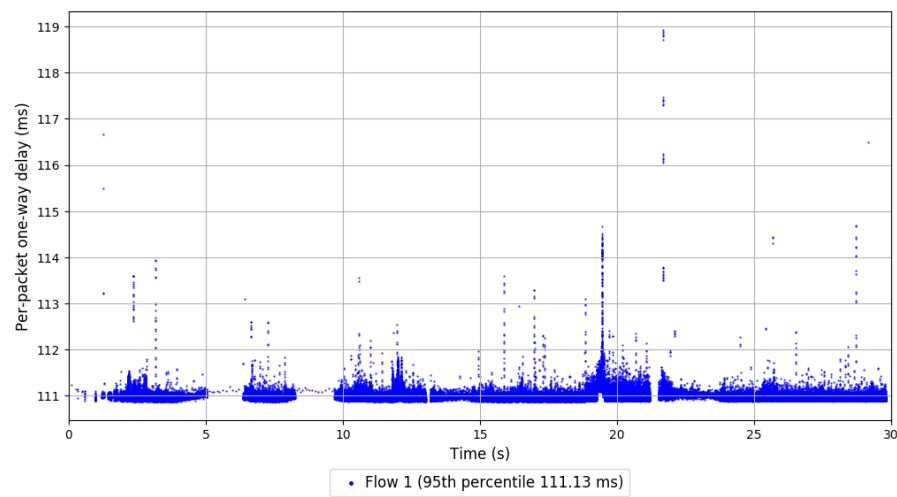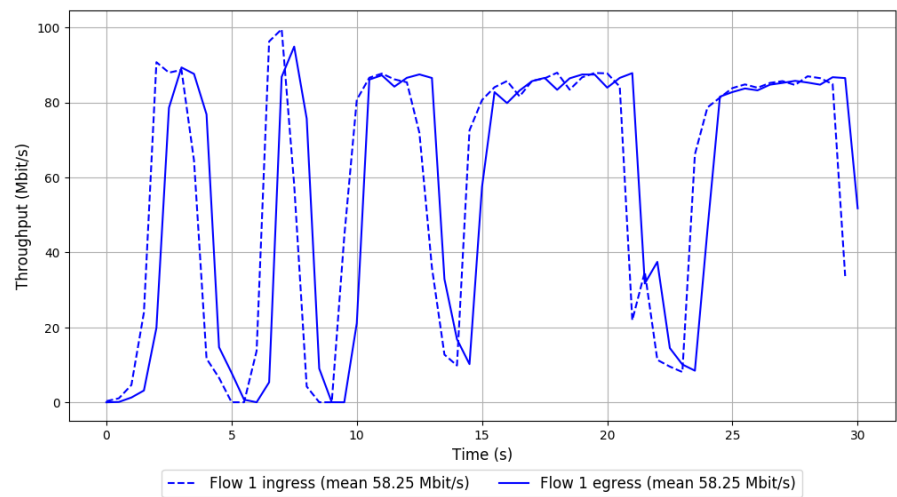
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 64.02 Mbit/s) —— Flow 1 egress (mean 64.02 Mbit/s)

• Flow 1 (95th percentile 110.93 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 00:59:39
End at: 2018-08-01 01:00:09
Local clock offset: 8.121 ms
Remote clock offset: 7.763 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 111.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 111.130 ms
Loss rate: 0.00%
```
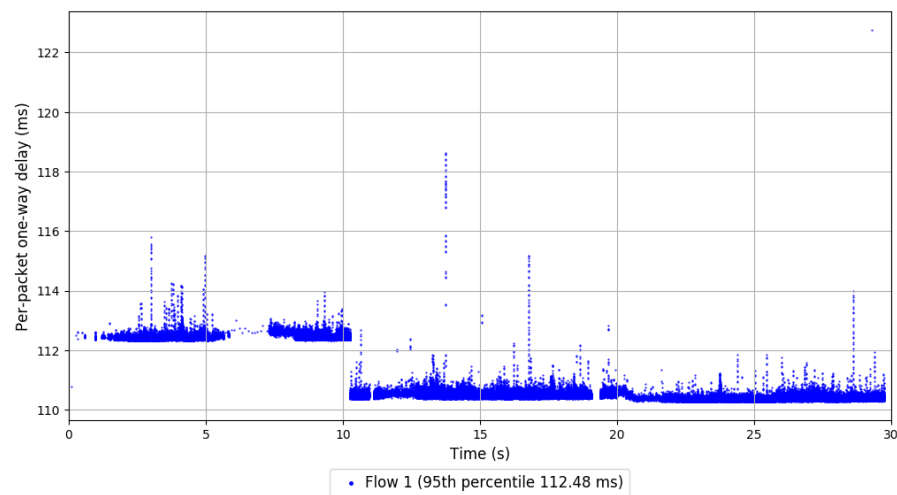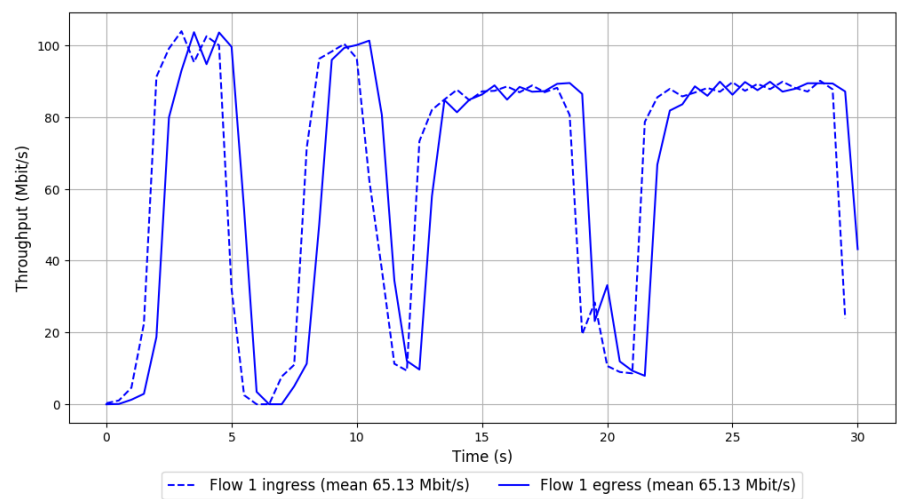
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 58.25 Mbit/s) —— Flow 1 egress (mean 58.25 Mbit/s)

• Flow 1 (95th percentile 111.13 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 01:22:27
End at: 2018-08-01 01:22:57
Local clock offset: 2.649 ms
Remote clock offset: 2.439 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 112.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 112.483 ms
Loss rate: 0.00%
```
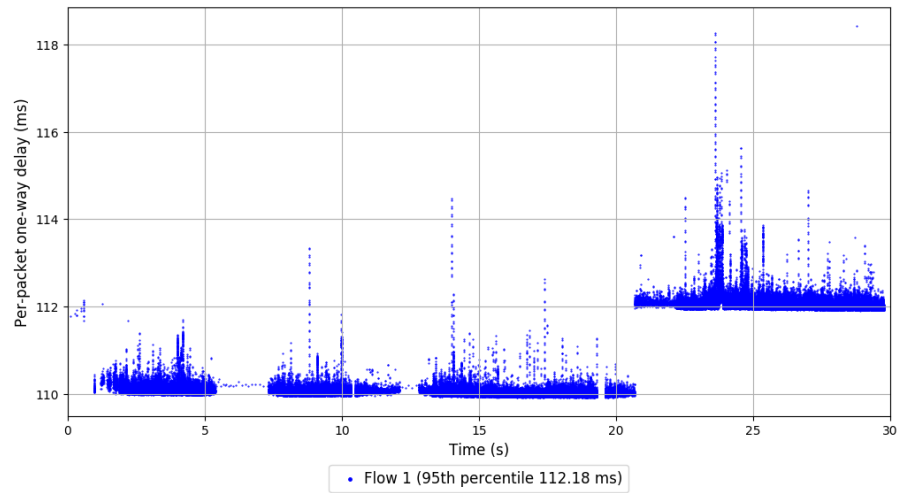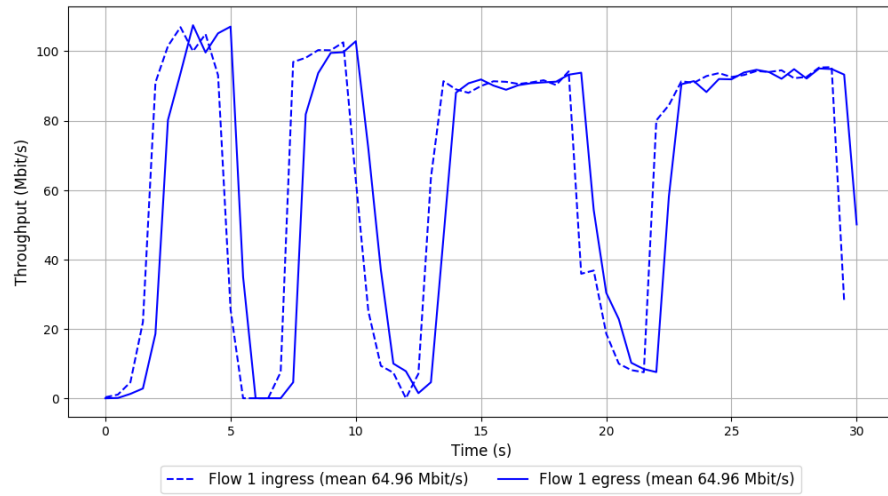
Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 01:45:17
End at: 2018-08-01 01:45:47
Local clock offset: 2.43 ms
Remote clock offset: 1.103 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.96 Mbit/s
95th percentile per-packet one-way delay: 112.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.96 Mbit/s
95th percentile per-packet one-way delay: 112.177 ms
Loss rate: 0.00%
```
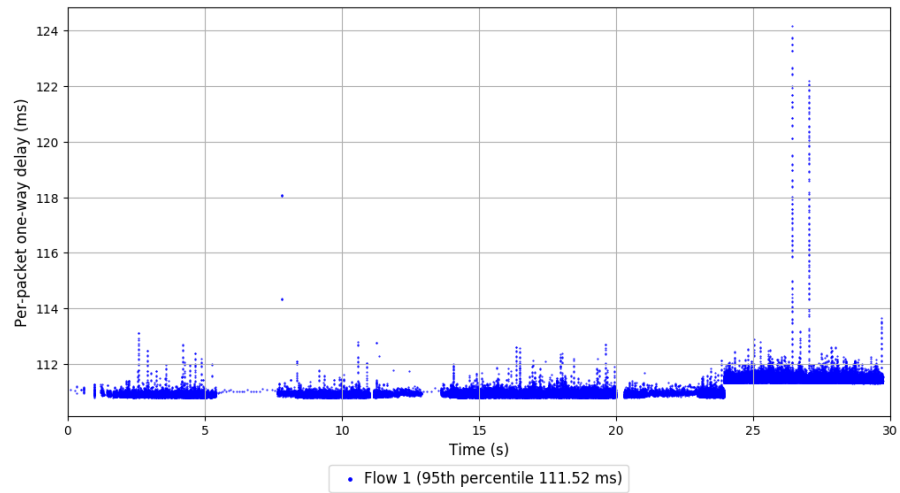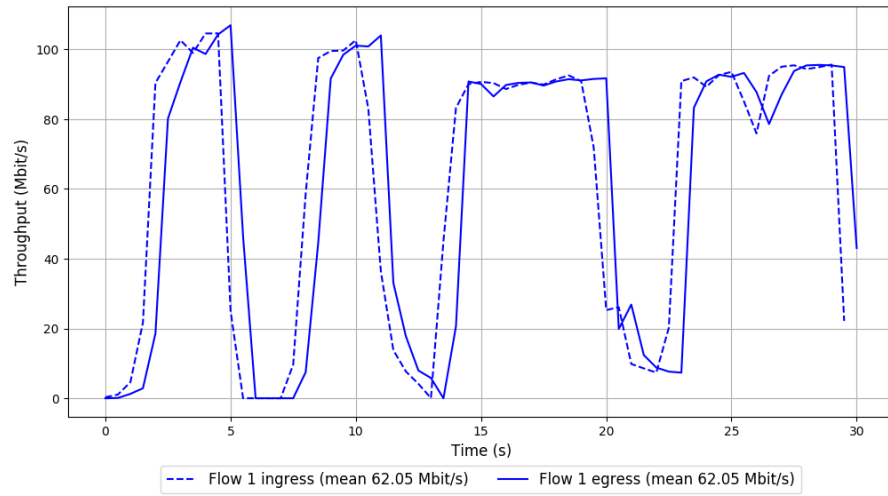
Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 02:07:54
End at: 2018-08-01 02:08:24
Local clock offset: 1.002 ms
Remote clock offset: 0.747 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 111.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 111.516 ms
Loss rate: 0.00%
```
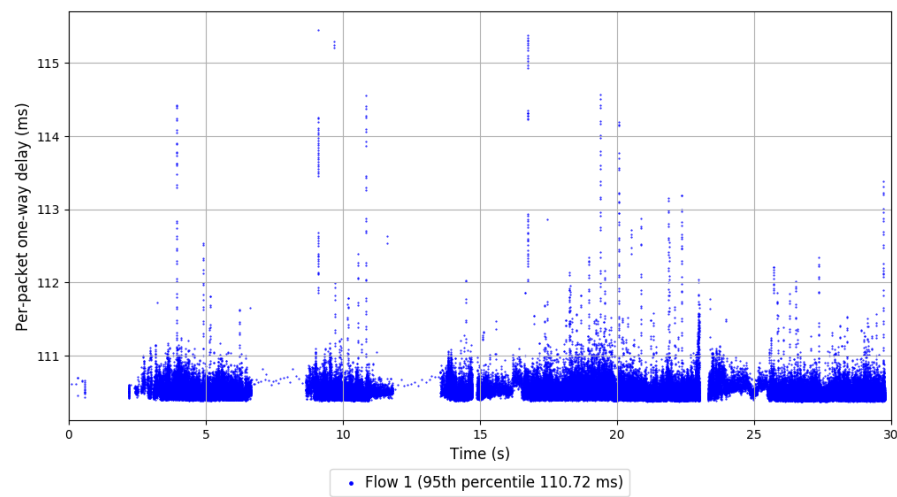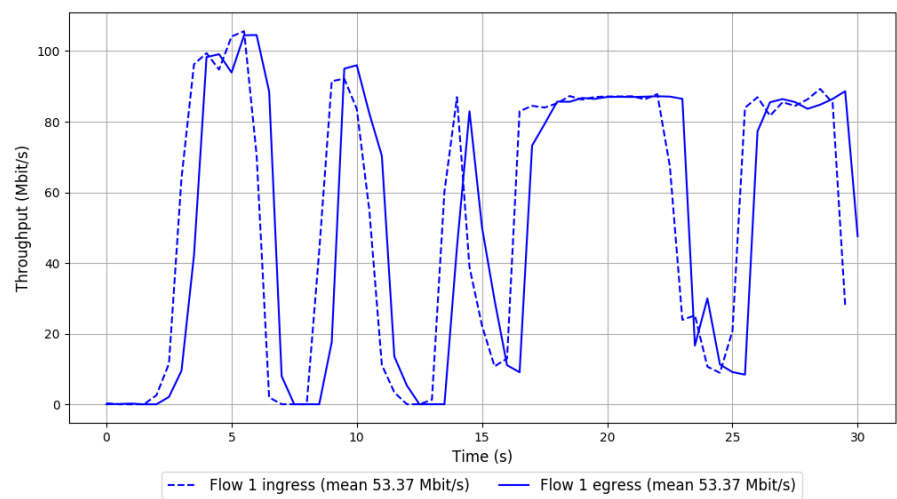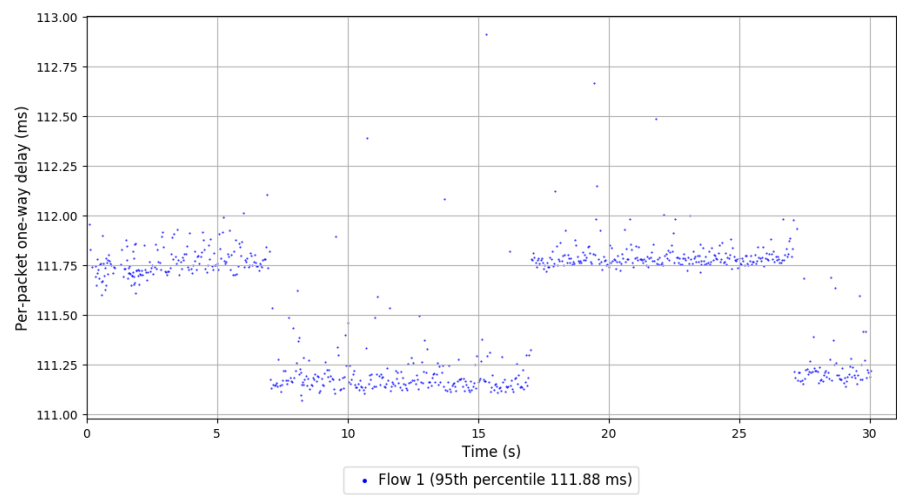
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 62.05 Mbit/s)   Flow 1 egress (mean 62.05 Mbit/s)

Flow 1 (95th percentile 111.52 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 02:30:58
End at: 2018-08-01 02:31:28
Local clock offset: 0.507 ms
Remote clock offset: 1.602 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.37 Mbit/s
95th percentile per-packet one-way delay: 110.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.37 Mbit/s
95th percentile per-packet one-way delay: 110.715 ms
Loss rate: 0.00%
```
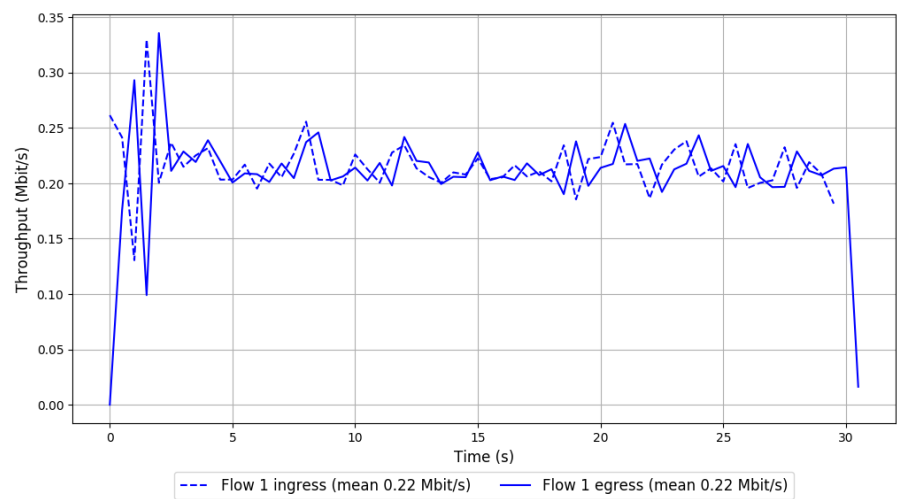
Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2018-07-31 23:03:31
End at: 2018-07-31 23:04:01
Local clock offset: 9.143 ms
Remote clock offset: 7.924 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.879 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

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

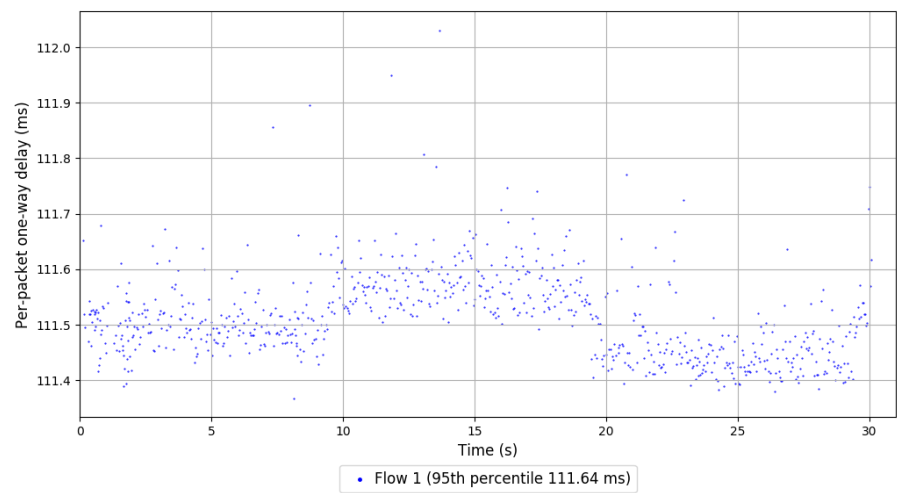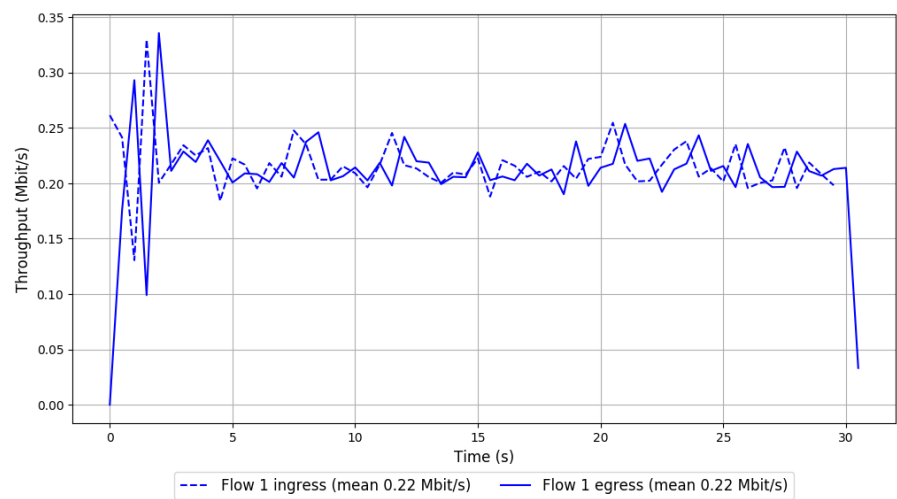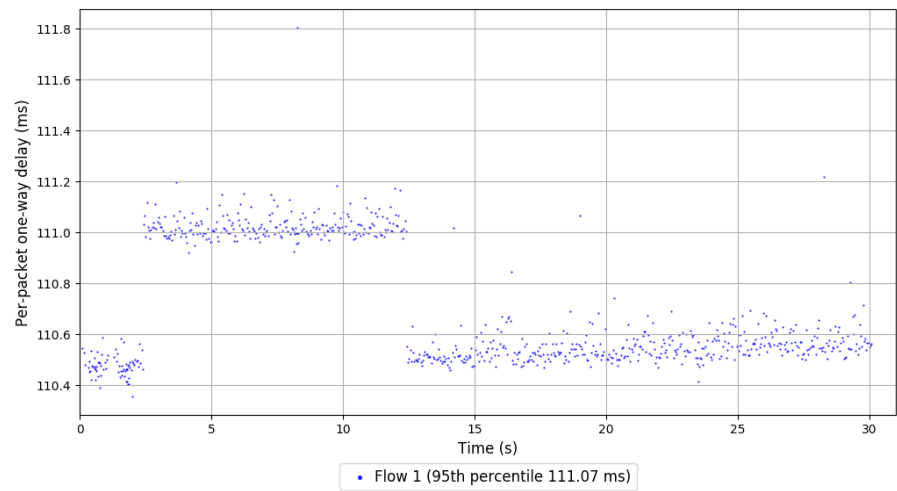Flow 1 (95th percentile 111.88 ms)

```
Run 2: Statistics of SCReAM

Start at: 2018-07-31 23:26:19
End at: 2018-07-31 23:26:49
Local clock offset: 27.386 ms
Remote clock offset: 25.043 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.639 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

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

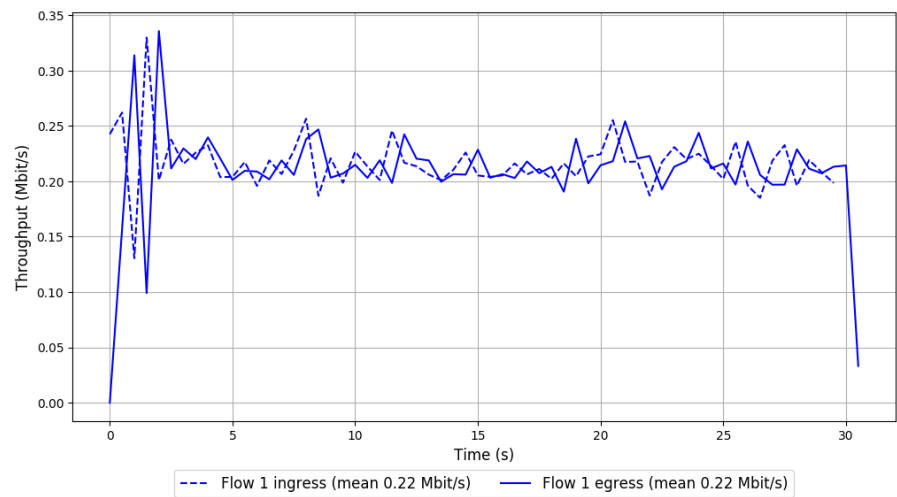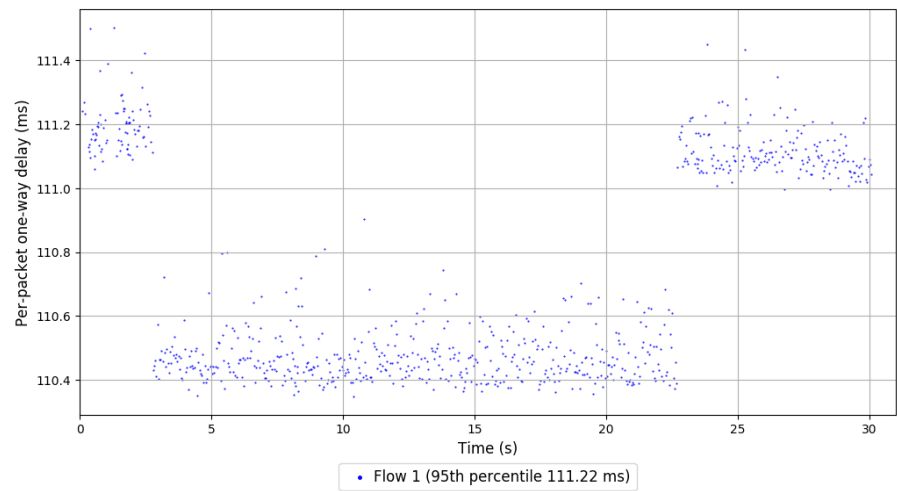Flow 1 (95th percentile 111.64 ms)

```
Run 3: Statistics of SCReAM

Start at: 2018-07-31 23:49:06
End at: 2018-07-31 23:49:36
Local clock offset: 29.622 ms
Remote clock offset: 26.215 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.067 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)

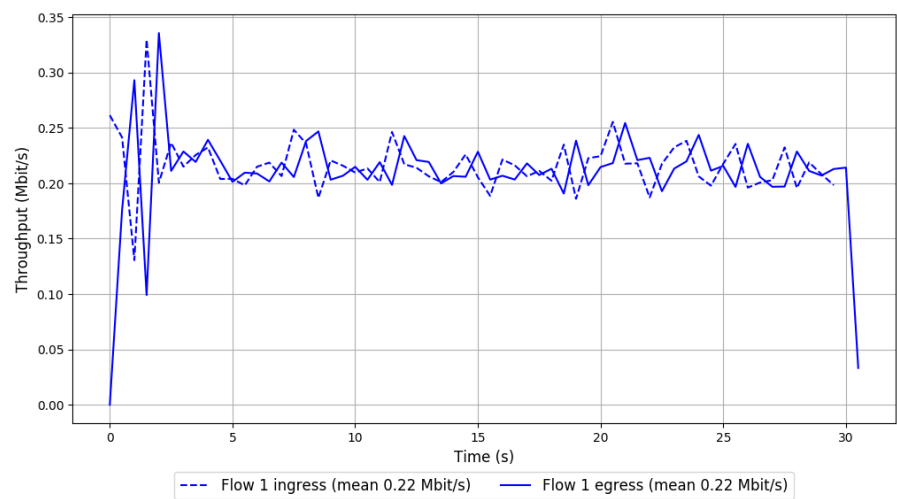Flow 1 (95th percentile 111.07 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-08-01 00:11:47
End at: 2018-08-01 00:12:17
Local clock offset: 17.699 ms
Remote clock offset: 16.249 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.220 ms
Loss rate: 0.00%
```
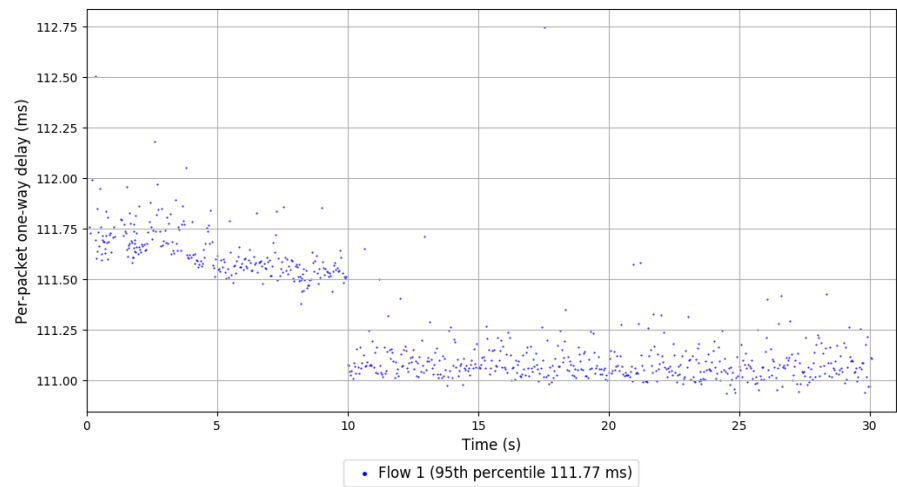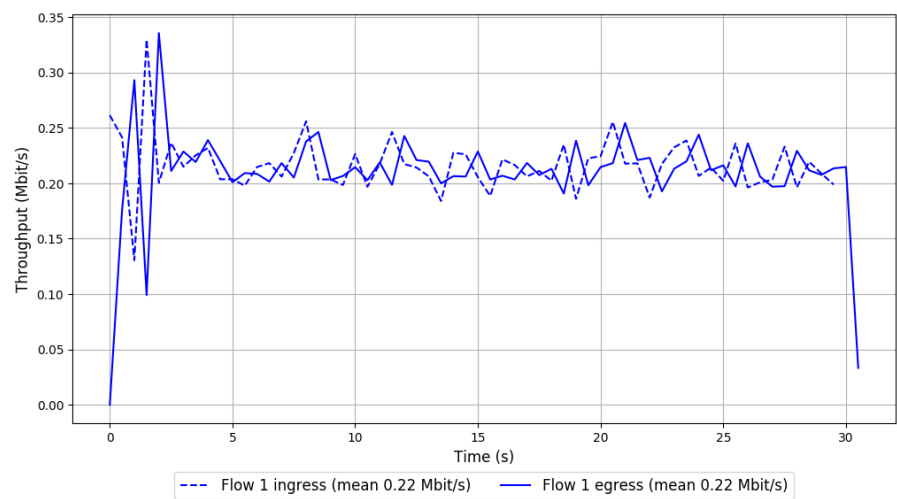
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2018-08-01 00:34:10
End at: 2018-08-01 00:34:40
Local clock offset: 20.755 ms
Remote clock offset: 19.13 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.767 ms
Loss rate: 0.00%
```
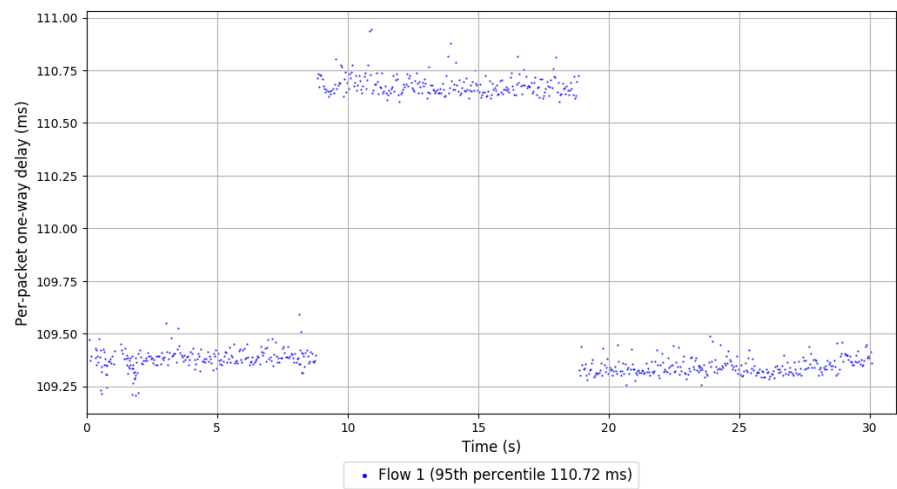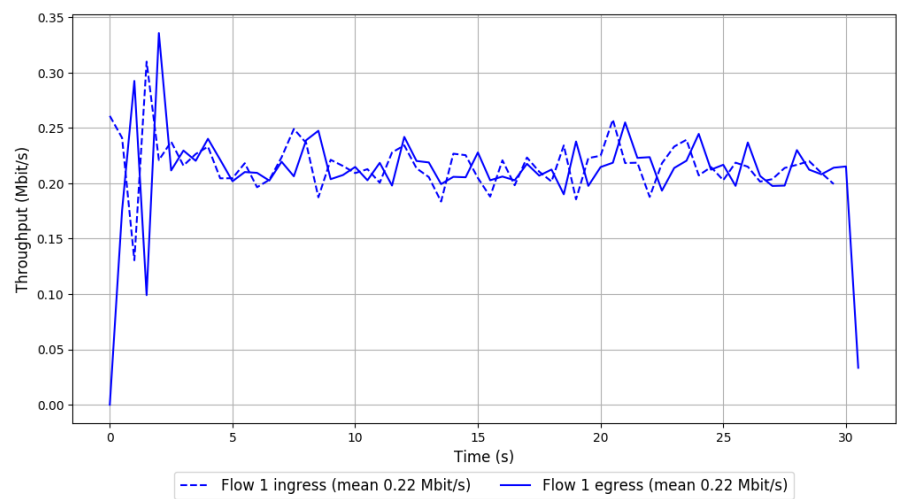
Run 5: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 111.77 ms)

```
Run 6: Statistics of SCReAM

Start at: 2018-08-01 00:57:01
End at: 2018-08-01 00:57:31
Local clock offset: 7.924 ms
Remote clock offset: 7.066 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.721 ms
Loss rate: 0.00%
```
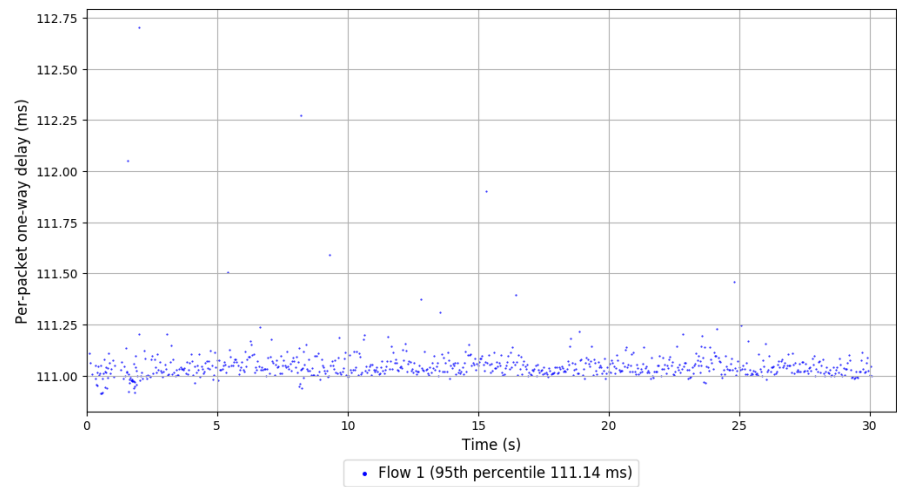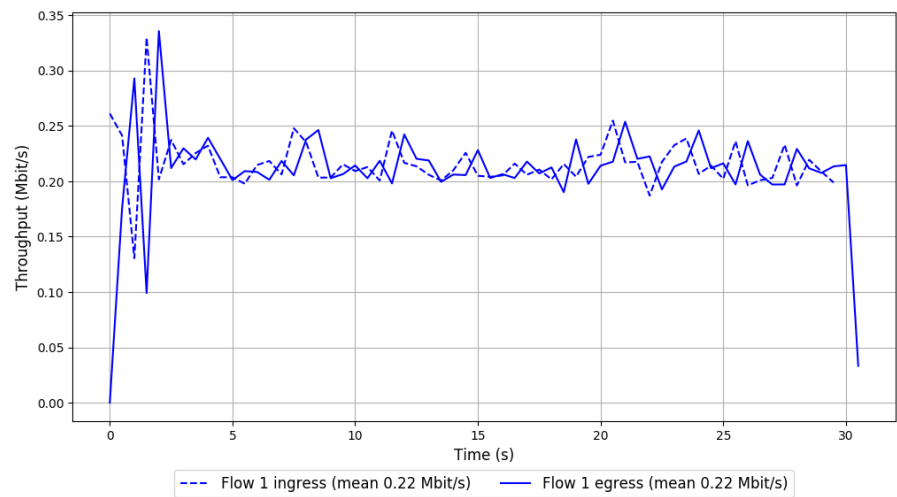
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-08-01 01:19:55
End at: 2018-08-01 01:20:25
Local clock offset: 4.214 ms
Remote clock offset: 2.907 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.139 ms
Loss rate: 0.00%
```
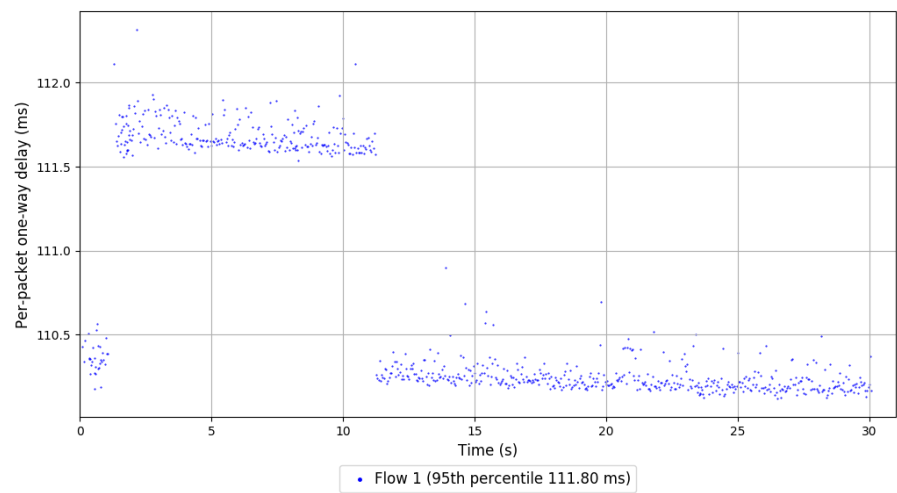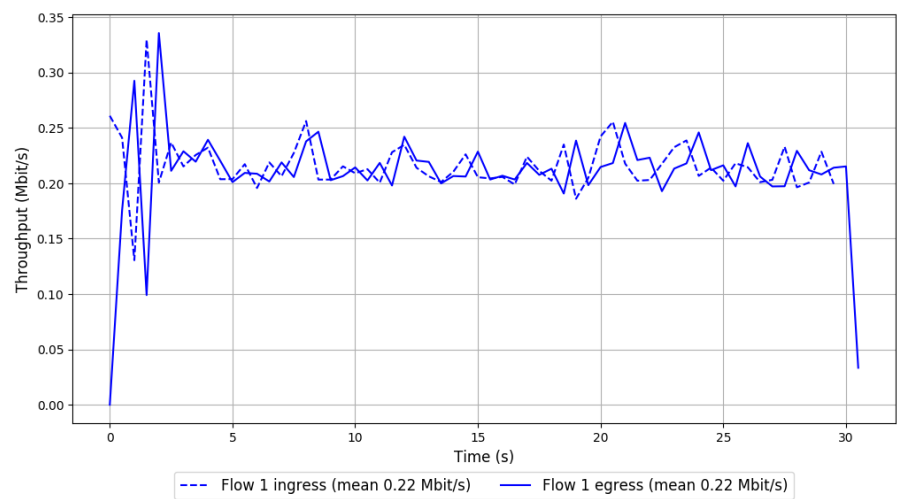
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2018-08-01 01:42:49
End at: 2018-08-01 01:43:19
Local clock offset: 4.722 ms
Remote clock offset: 1.986 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.796 ms
Loss rate: 0.00%
```
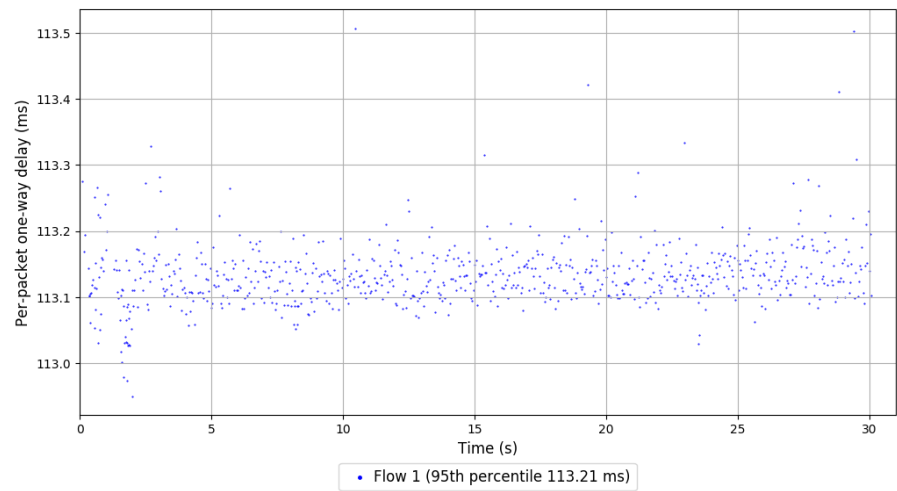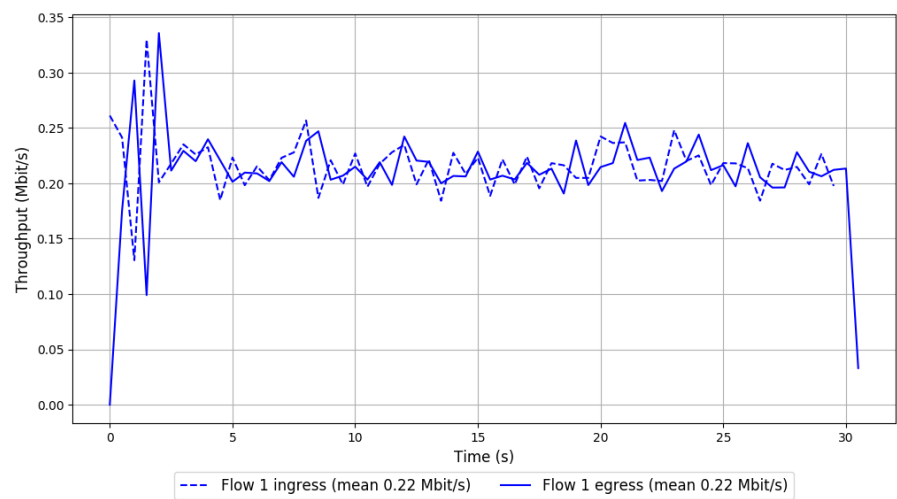
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 111.80 ms)

```
Run 9: Statistics of SCReAM

Start at: 2018-08-01 02:05:21
End at: 2018-08-01 02:05:51
Local clock offset: -0.605 ms
Remote clock offset: 0.675 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.206 ms
Loss rate: 0.00%
```
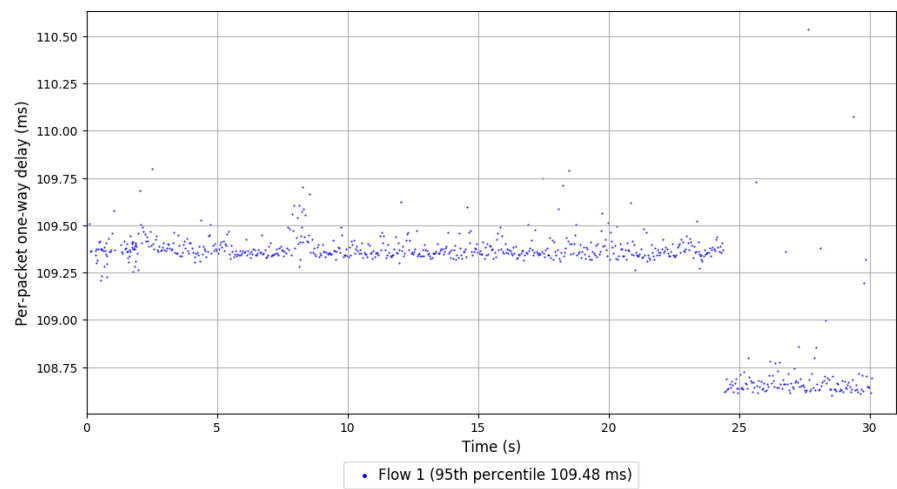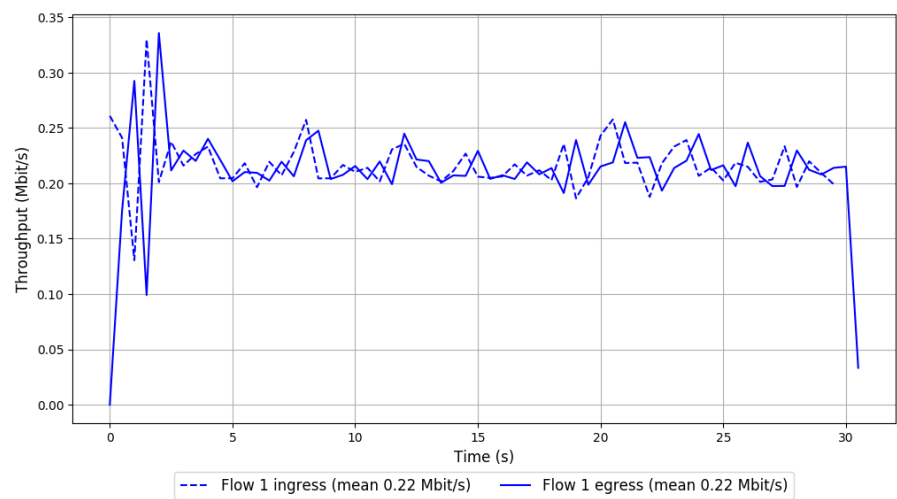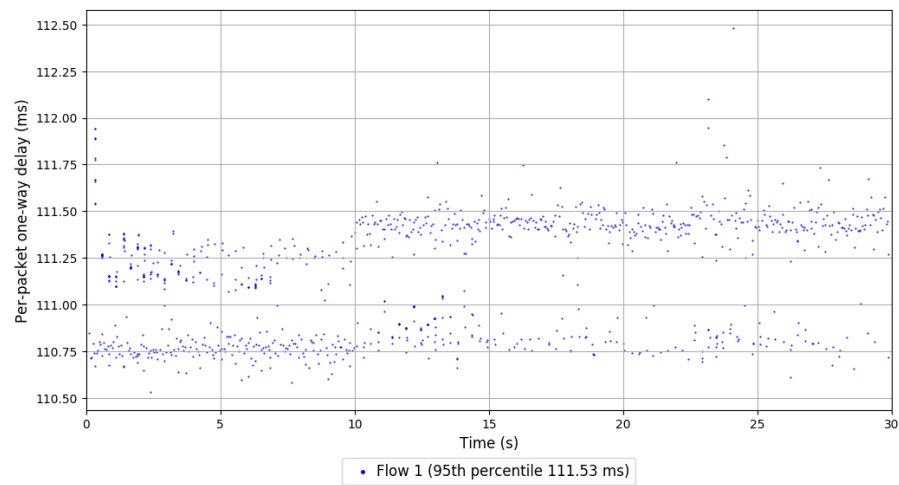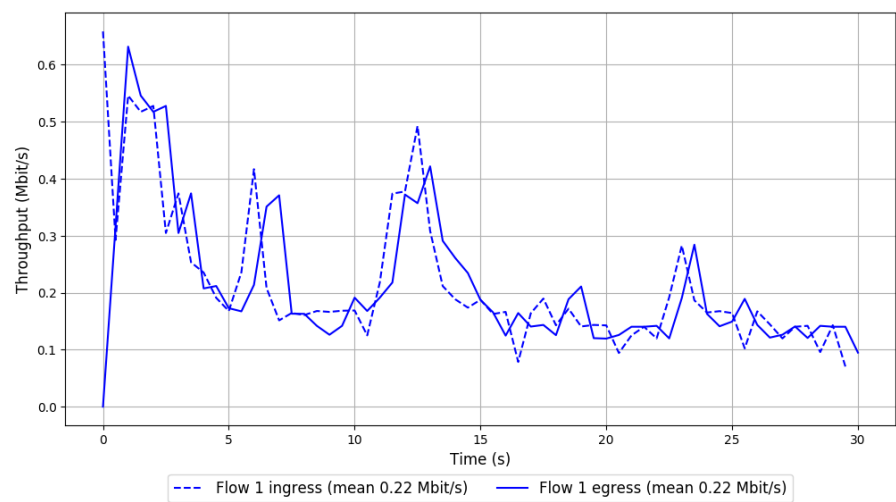
Run 9: Report of SCReAM — Data Link

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

• Flow 1 (95th percentile 113.21 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-08-01 02:28:24
End at: 2018-08-01 02:28:54
Local clock offset: 1.654 ms
Remote clock offset: 0.819 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.478 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)

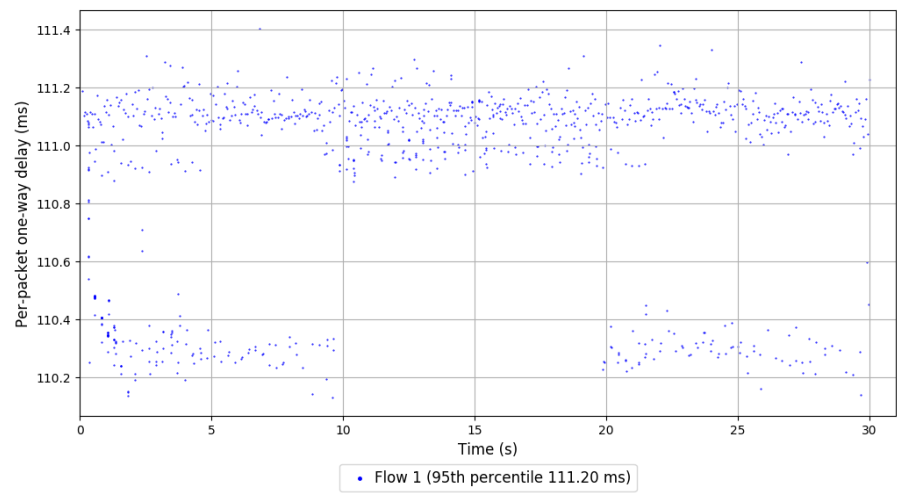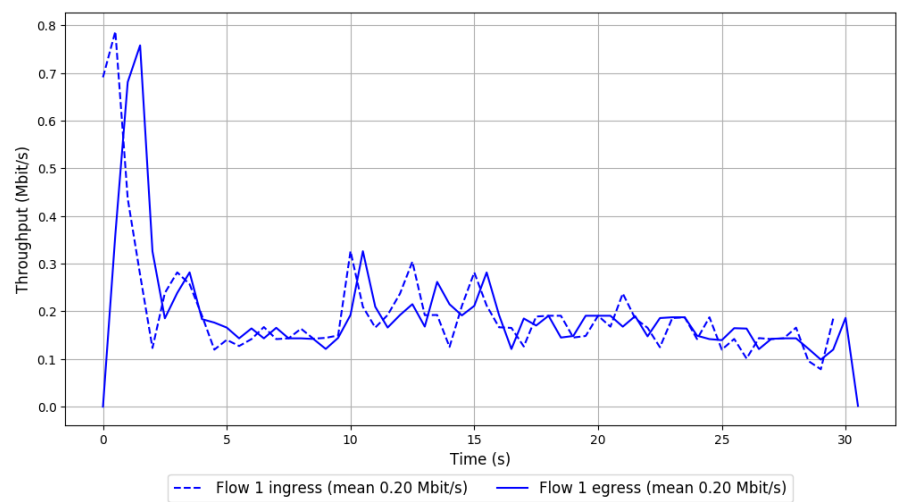Flow 1 (95th percentile 109.48 ms)

223

```
Run 1: Statistics of Sprout

Start at: 2018-07-31 23:10:58
End at: 2018-07-31 23:11:28
Local clock offset: 15.092 ms
Remote clock offset: 13.189 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.526 ms
Loss rate: 0.00%
```

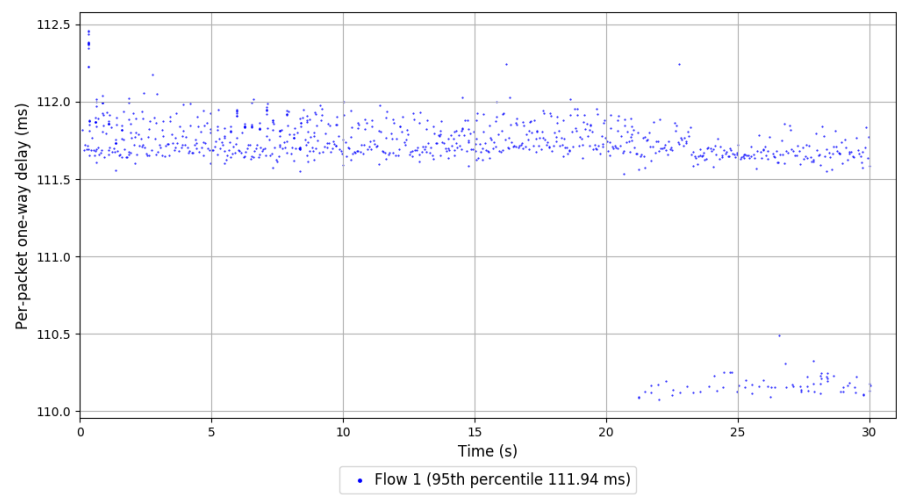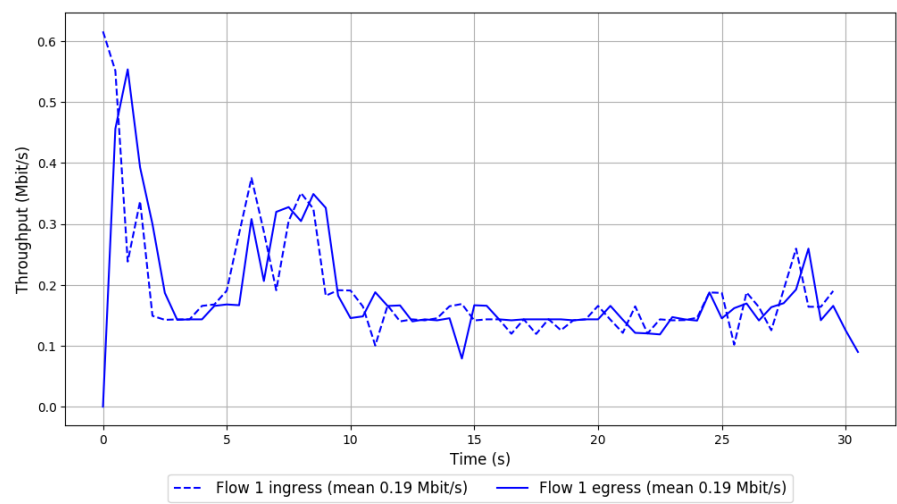Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-07-31 23:33:48
End at: 2018-07-31 23:34:18
Local clock offset: 20.649 ms
Remote clock offset: 18.311 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.200 ms
Loss rate: 0.00%
```

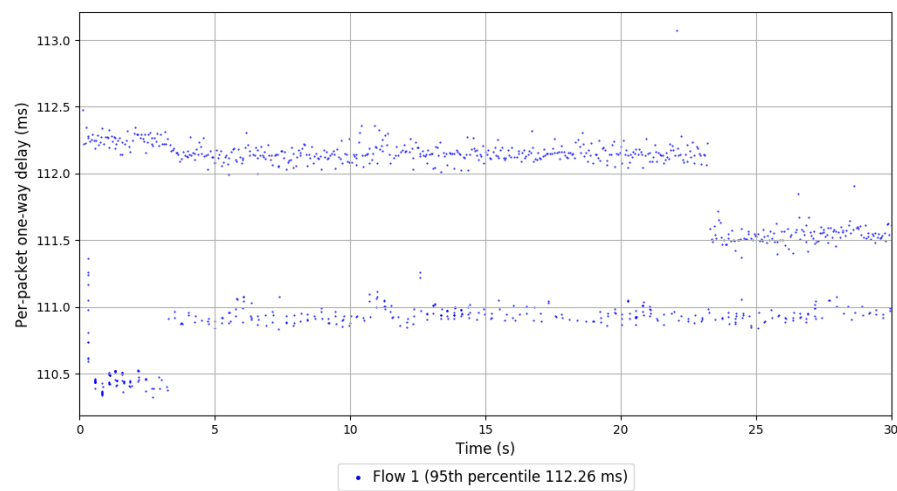Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2018-07-31 23:56:37
End at: 2018-07-31 23:57:07
Local clock offset: 37.323 ms
Remote clock offset: 33.639 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 0.00%
```
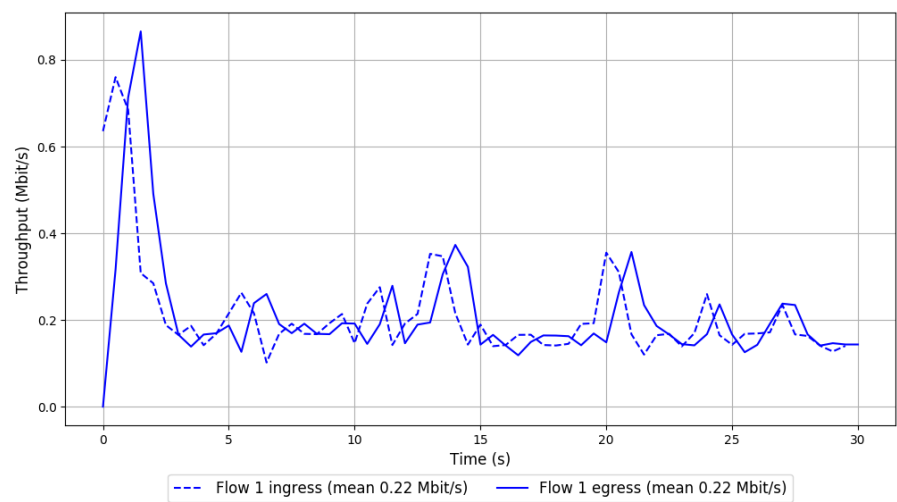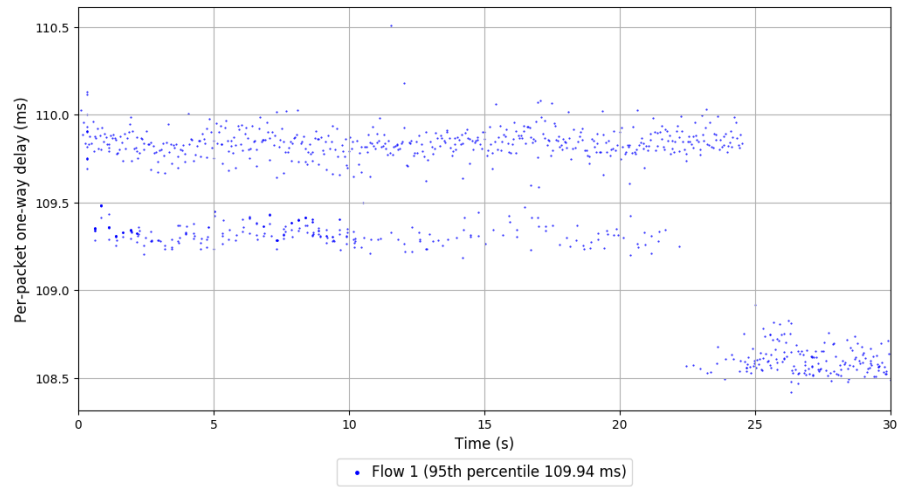
Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: 2018-08-01 00:19:05
End at: 2018-08-01 00:19:35
Local clock offset: 15.257 ms
Remote clock offset: 14.509 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.259 ms
Loss rate: 0.00%
```

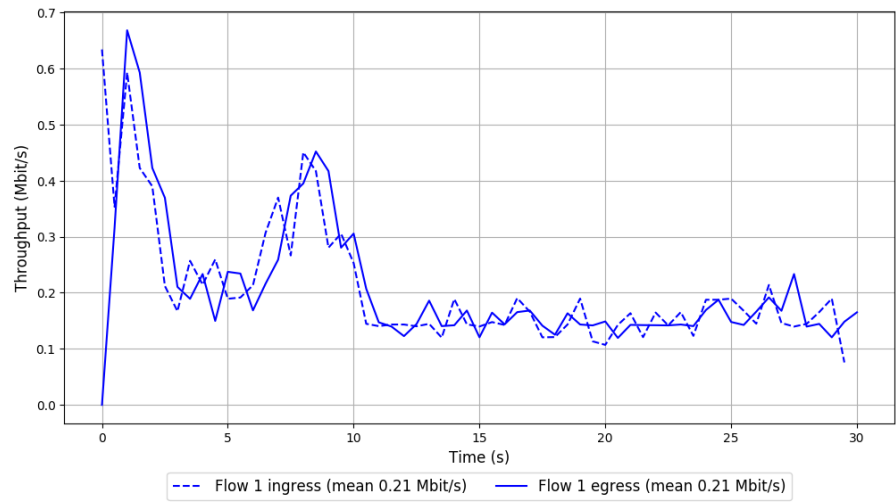Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2018-08-01 00:41:36
End at: 2018-08-01 00:42:06
Local clock offset: 11.477 ms
Remote clock offset: 9.604 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 109.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 109.935 ms
Loss rate: 0.00%
```
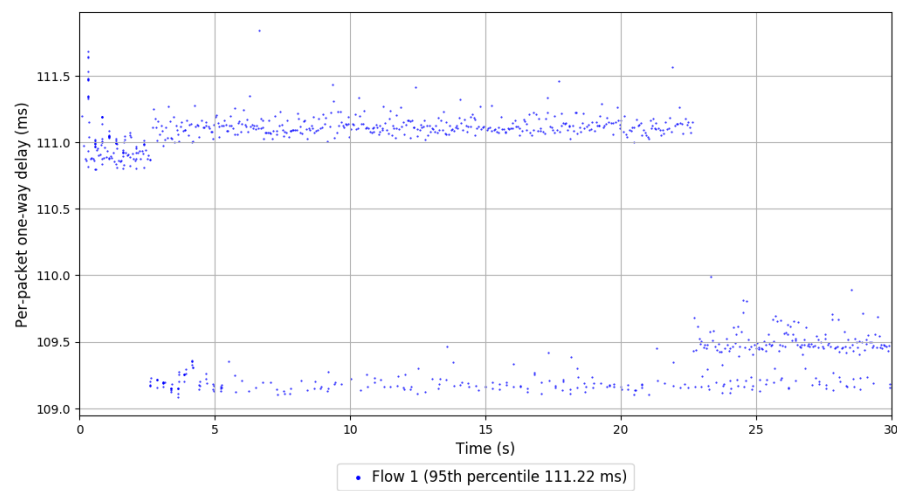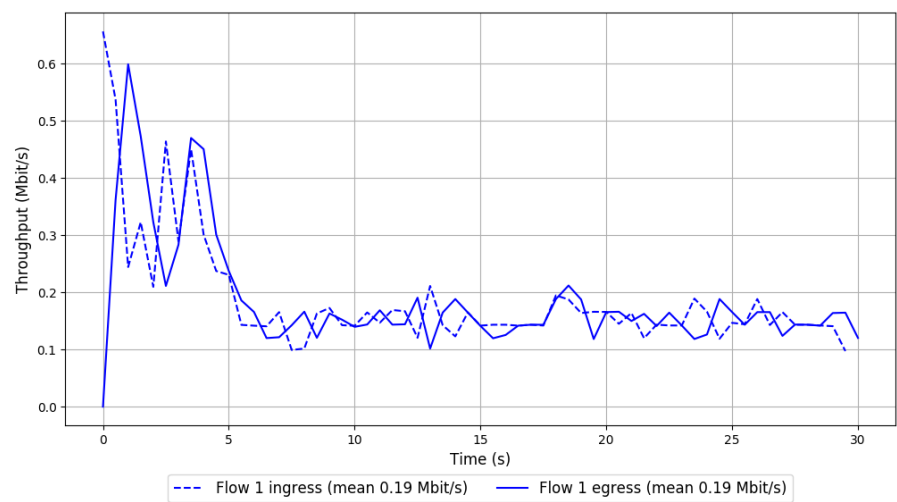
Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2018-08-01 01:04:35
End at: 2018-08-01 01:05:05
Local clock offset: 9.369 ms
Remote clock offset: 8.173 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.216 ms
Loss rate: 0.00%
```
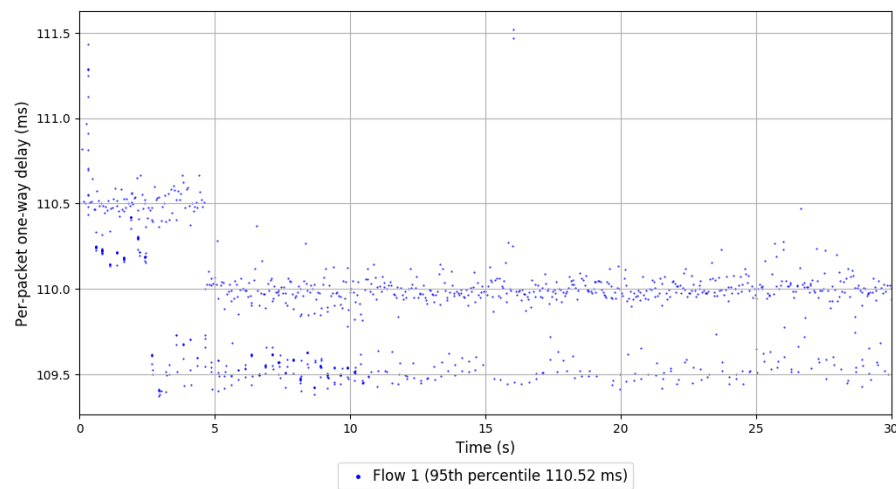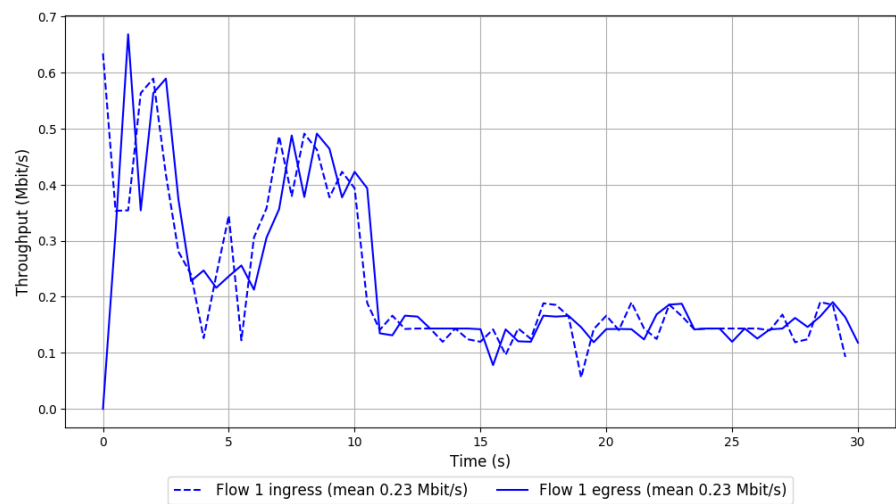
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 0.19 Mbit/s) --- Flow 1 egress (mean 0.19 Mbit/s)

Flow 1 (95th percentile 111.22 ms)

235

```
Run 7: Statistics of Sprout

Start at: 2018-08-01 01:27:25
End at: 2018-08-01 01:27:56
Local clock offset: 5.019 ms
Remote clock offset: 2.267 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.519 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 0.23 Mbit/s) --- Flow 1 egress (mean 0.23 Mbit/s)
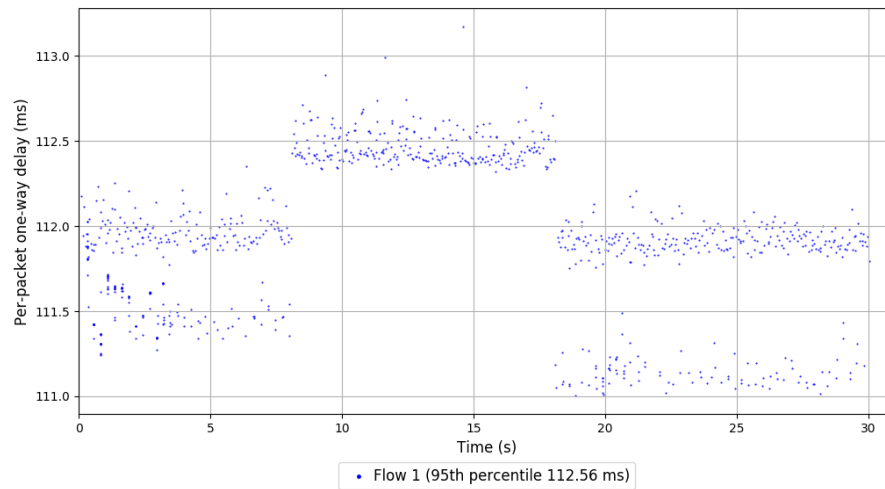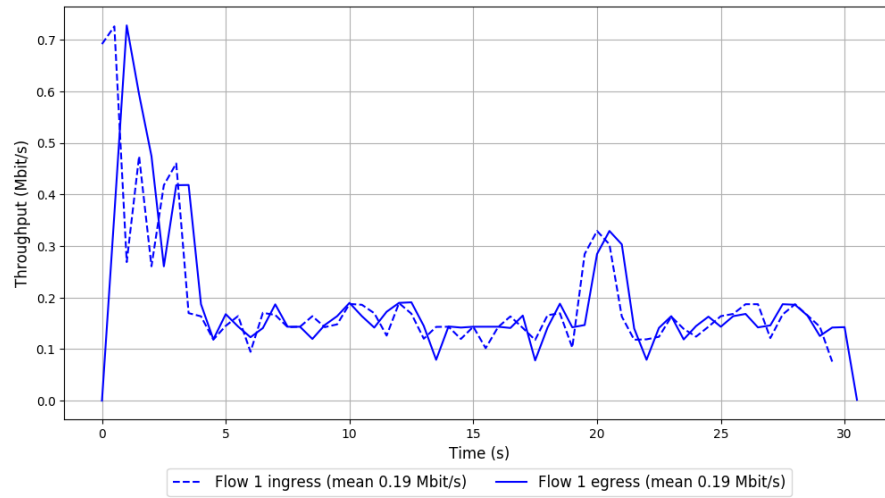
Flow 1 (95th percentile 110.52 ms)

```
Run 8: Statistics of Sprout

Start at: 2018-08-01 01:50:10
End at: 2018-08-01 01:50:40
Local clock offset: 0.842 ms
Remote clock offset: 0.588 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.557 ms
Loss rate: 0.00%
```
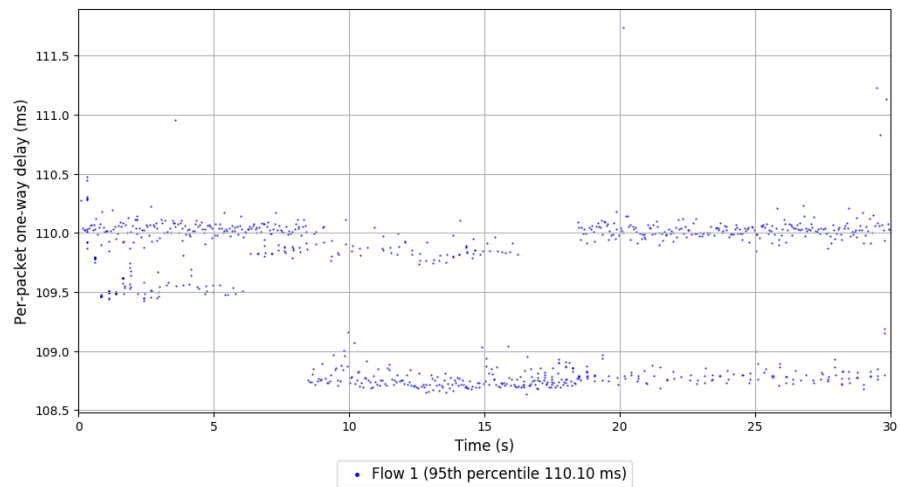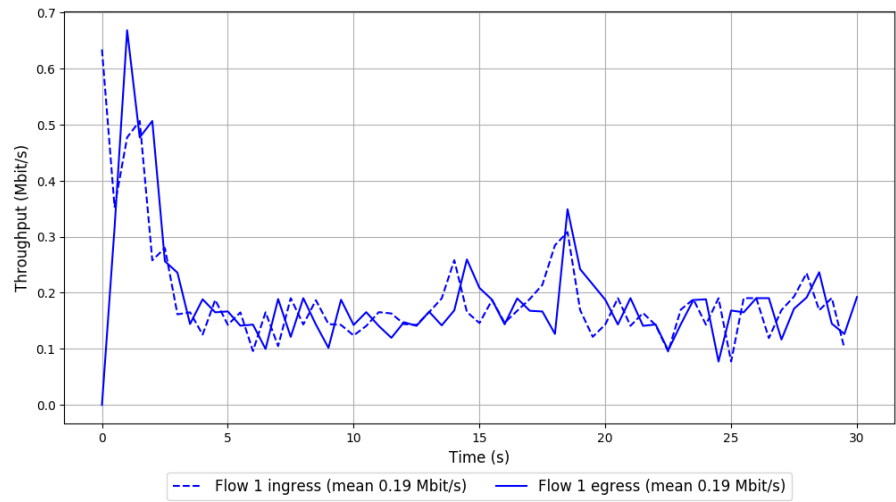
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-08-01 02:12:52
End at: 2018-08-01 02:13:22
Local clock offset: 2.328 ms
Remote clock offset: 0.503 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.104 ms
Loss rate: 0.00%
```
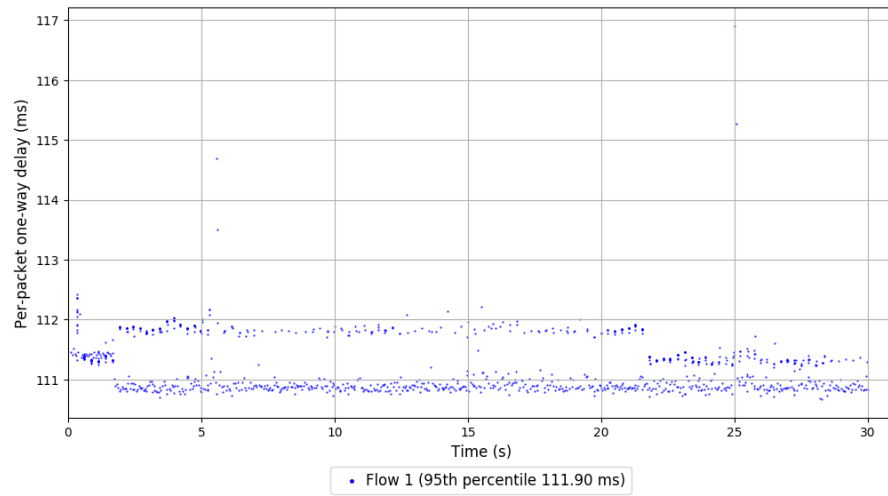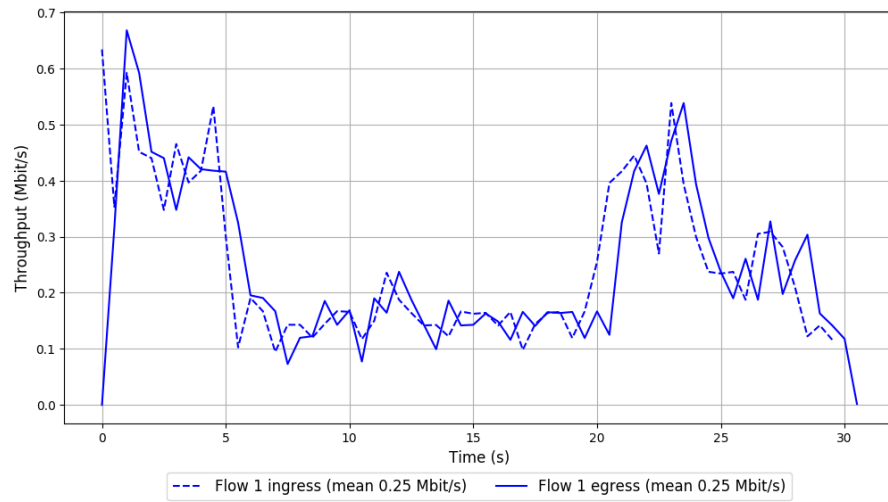
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 0.19 Mbit/s)   Flow 1 egress (mean 0.19 Mbit/s)

Flow 1 (95th percentile 110.10 ms)

```
Run 10: Statistics of Sprout

Start at: 2018-08-01 02:35:56
End at: 2018-08-01 02:36:26
Local clock offset: 0.336 ms
Remote clock offset: 1.702 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.903 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

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

Start at: 2018-07-31 23:09:36
End at: 2018-07-31 23:10:06
Local clock offset: 16.371 ms
Remote clock offset: 15.171 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 145.40 Mbit/s
95th percentile per-packet one-way delay: 122.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.40 Mbit/s
95th percentile per-packet one-way delay: 122.667 ms
Loss rate: 0.00%
```
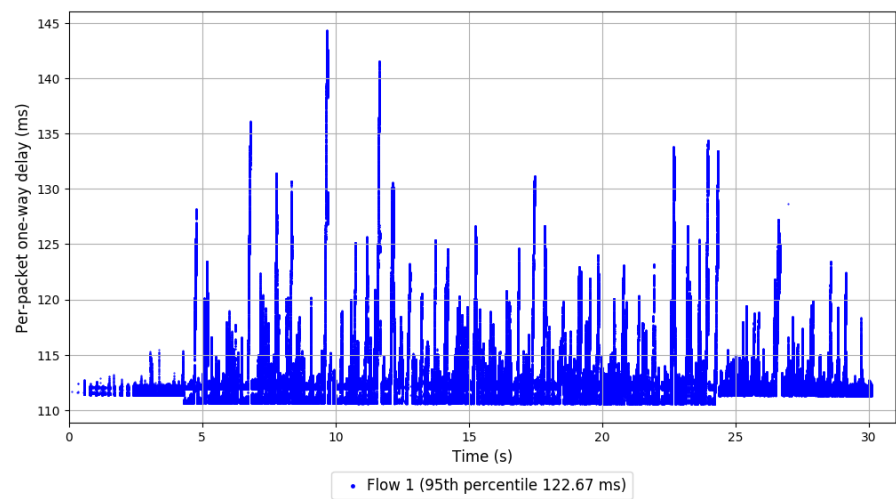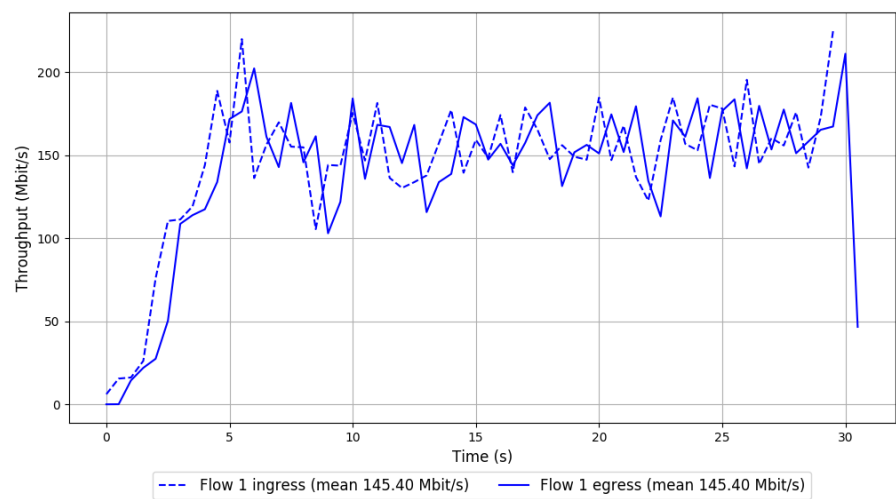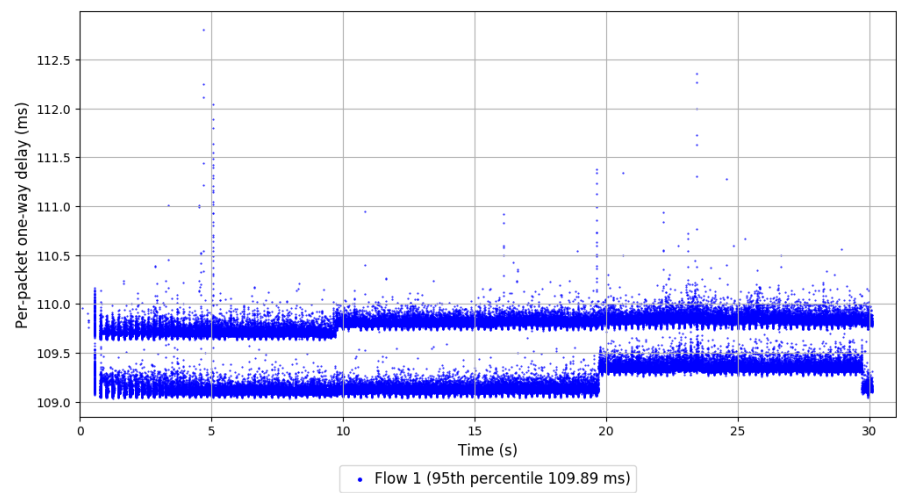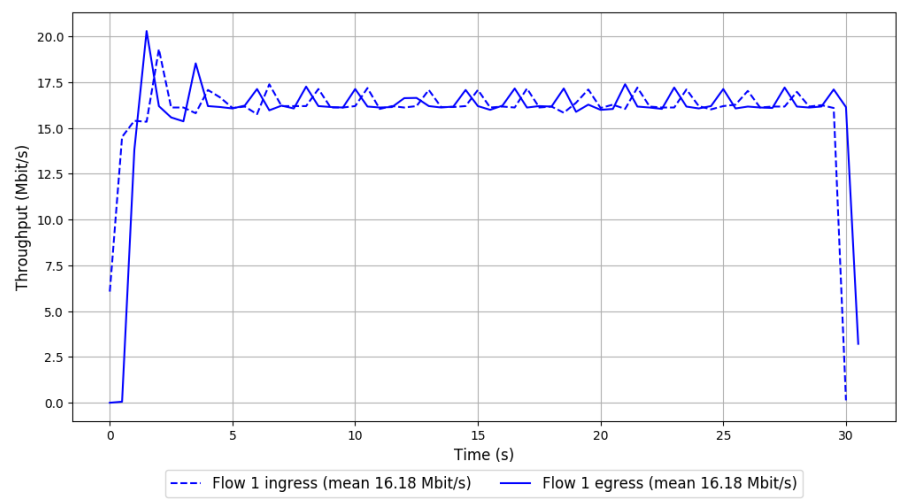
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 145.40 Mbit/s) --- Flow 1 egress (mean 145.40 Mbit/s)

Flow 1 (95th percentile 122.67 ms)

245

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

Start at: 2018-07-31 23:32:38
End at: 2018-07-31 23:33:08
Local clock offset: 22.171 ms
Remote clock offset: 18.89 ms


# Below is generated by plot.py at 2018-08-01 04:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 109.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 109.894 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 16.18 Mbit/s)   Flow 1 egress (mean 16.18 Mbit/s)
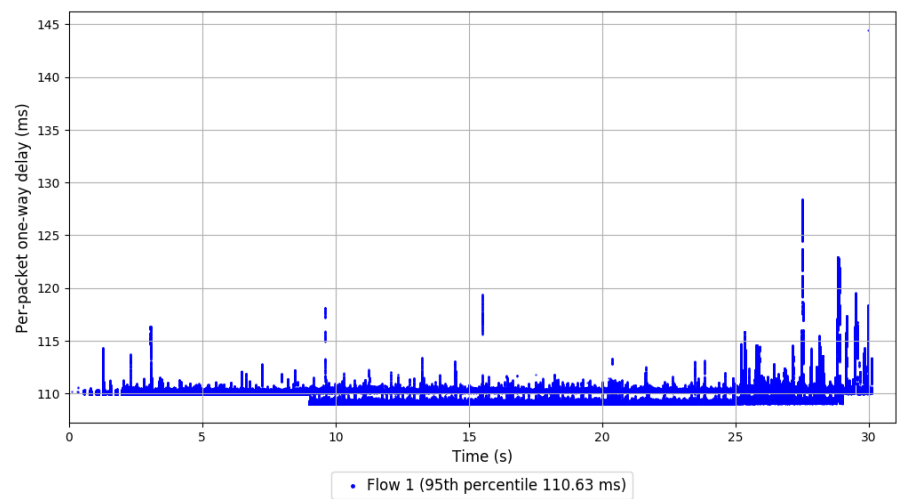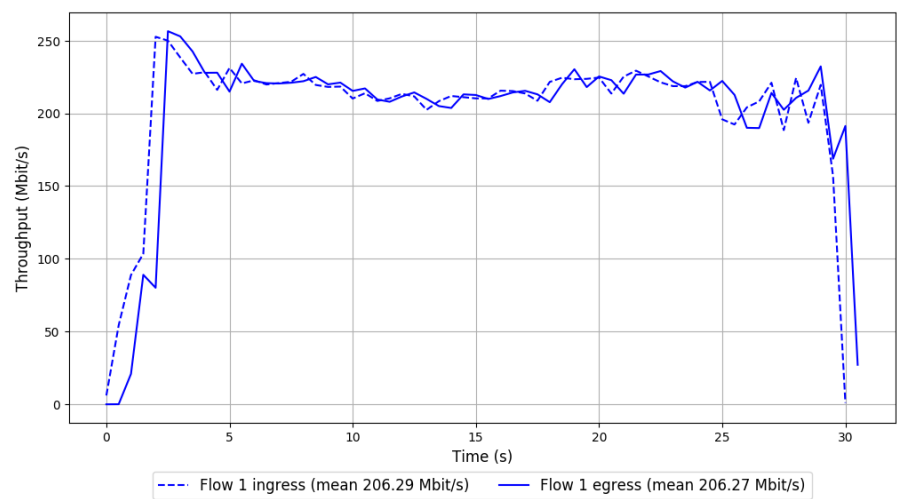

Flow 1 (95th percentile 109.89 ms)

247

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

Start at: 2018-07-31 23:55:09
End at: 2018-07-31 23:55:39
Local clock offset: 37.001 ms
Remote clock offset: 31.989 ms


# Below is generated by plot.py at 2018-08-01 04:15:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.27 Mbit/s
95th percentile per-packet one-way delay: 110.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.27 Mbit/s
95th percentile per-packet one-way delay: 110.629 ms
Loss rate: 0.00%
```
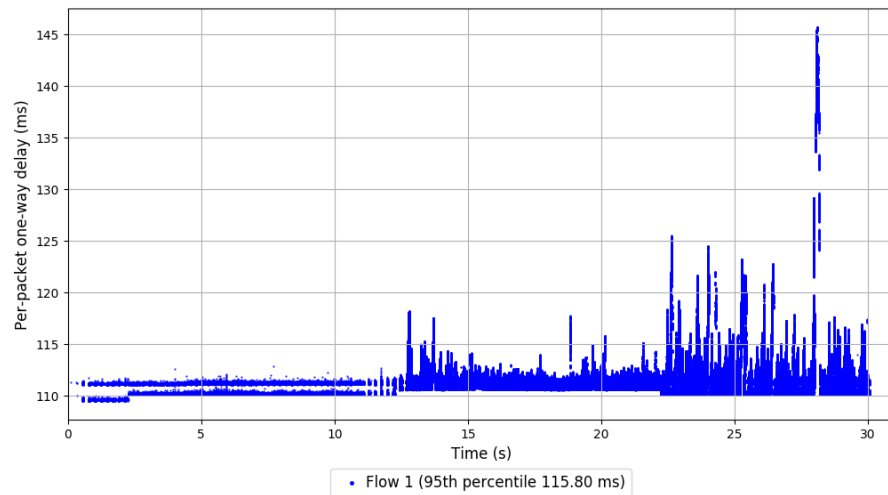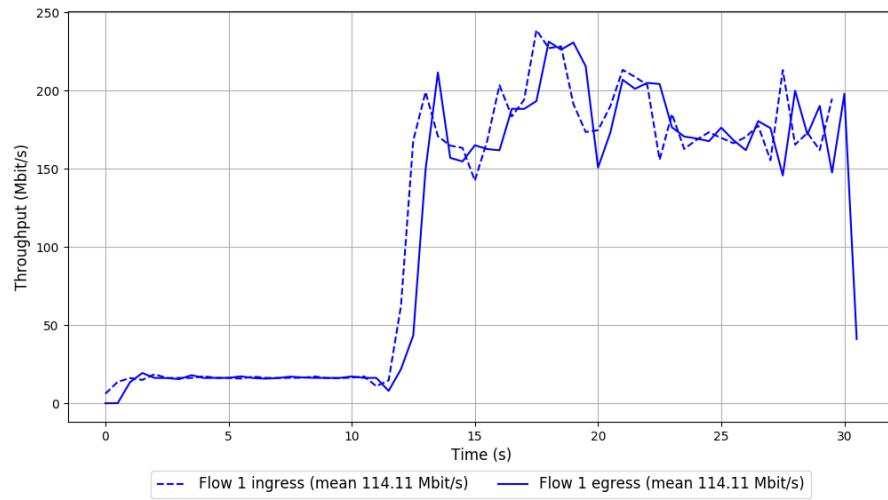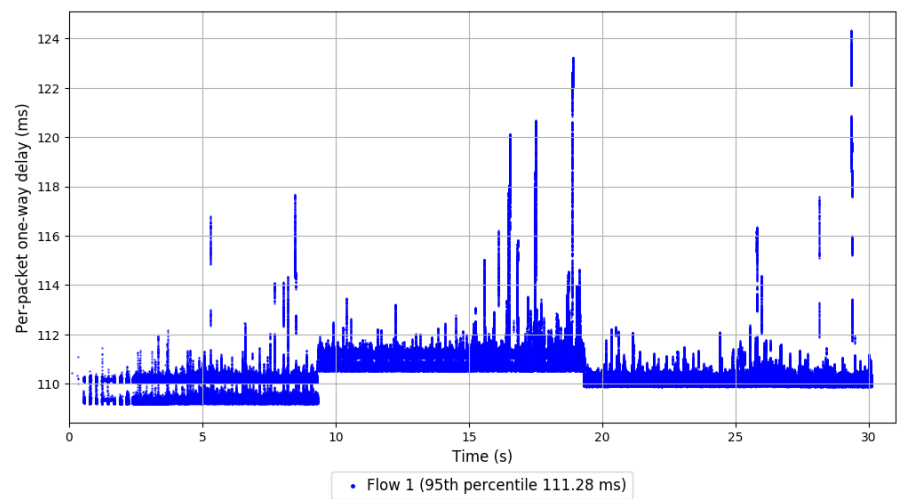
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 206.29 Mbit/s)   Flow 1 egress (mean 206.27 Mbit/s)

Flow 1 (95th percentile 110.63 ms)

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

Start at: 2018-08-01 00:17:46
End at: 2018-08-01 00:18:16
Local clock offset: 15.883 ms
Remote clock offset: 14.5 ms


# Below is generated by plot.py at 2018-08-01 04:15:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.11 Mbit/s
95th percentile per-packet one-way delay: 115.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.11 Mbit/s
95th percentile per-packet one-way delay: 115.800 ms
Loss rate: 0.00%
```
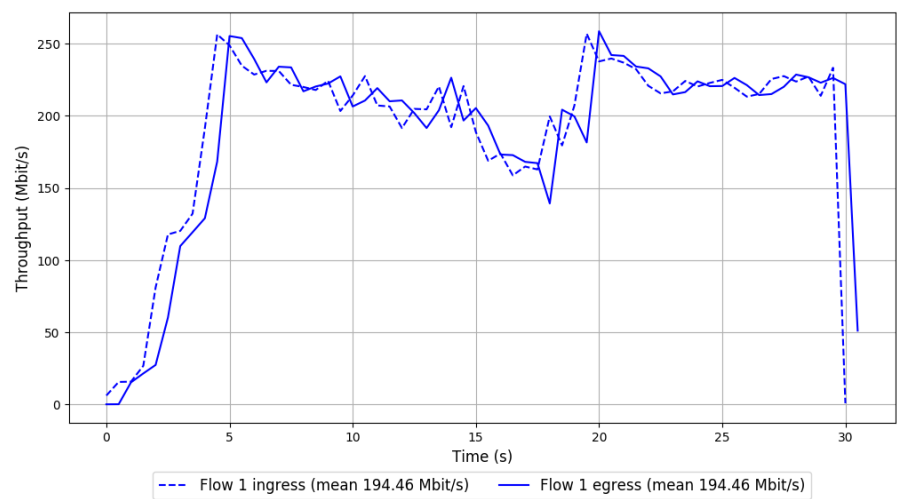
Run 4: Report of TaoVA-100x — Data Link

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

Start at: 2018-08-01 00:40:09
End at: 2018-08-01 00:40:39
Local clock offset: 12.584 ms
Remote clock offset: 11.464 ms


# Below is generated by plot.py at 2018-08-01 04:15:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.46 Mbit/s
95th percentile per-packet one-way delay: 111.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.46 Mbit/s
95th percentile per-packet one-way delay: 111.281 ms
Loss rate: 0.00%
```
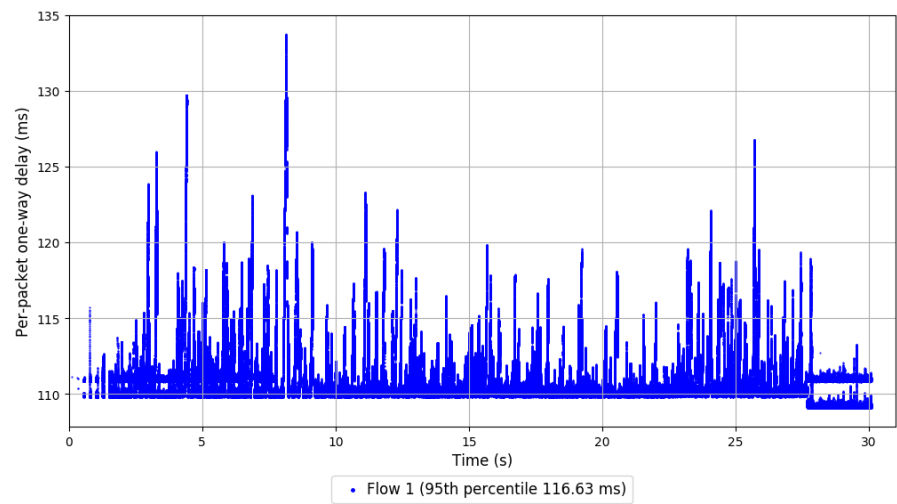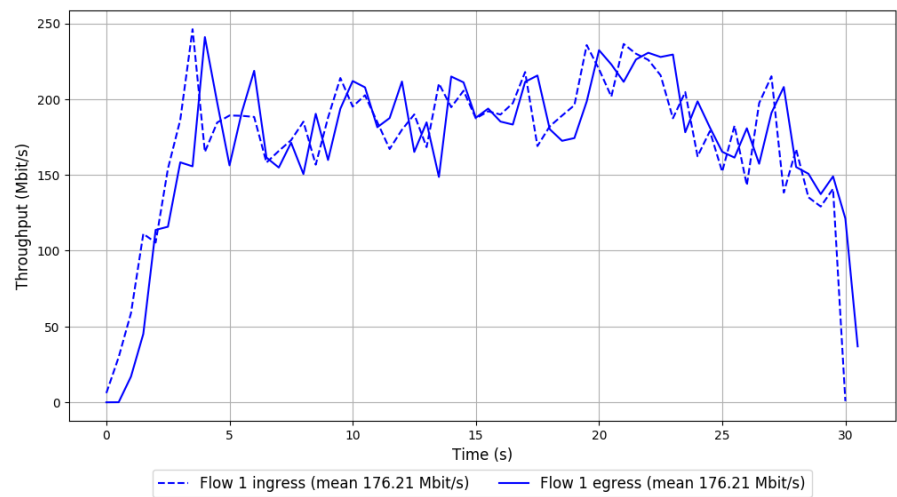
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 194.46 Mbit/s)   Flow 1 egress (mean 194.46 Mbit/s)

Flow 1 (95th percentile 111.28 ms)

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

Start at: 2018-08-01 01:03:10
End at: 2018-08-01 01:03:40
Local clock offset: 8.91 ms
Remote clock offset: 7.891 ms


# Below is generated by plot.py at 2018-08-01 04:15:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.21 Mbit/s
95th percentile per-packet one-way delay: 116.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.21 Mbit/s
95th percentile per-packet one-way delay: 116.628 ms
Loss rate: 0.00%
```
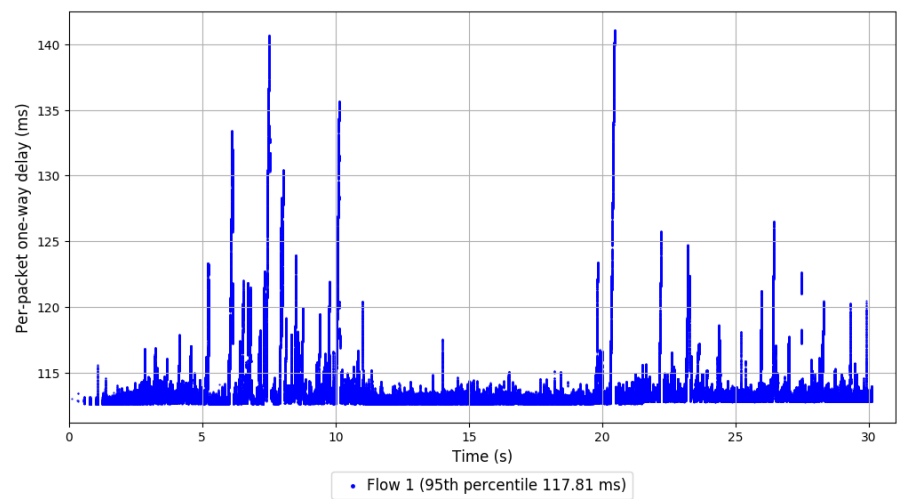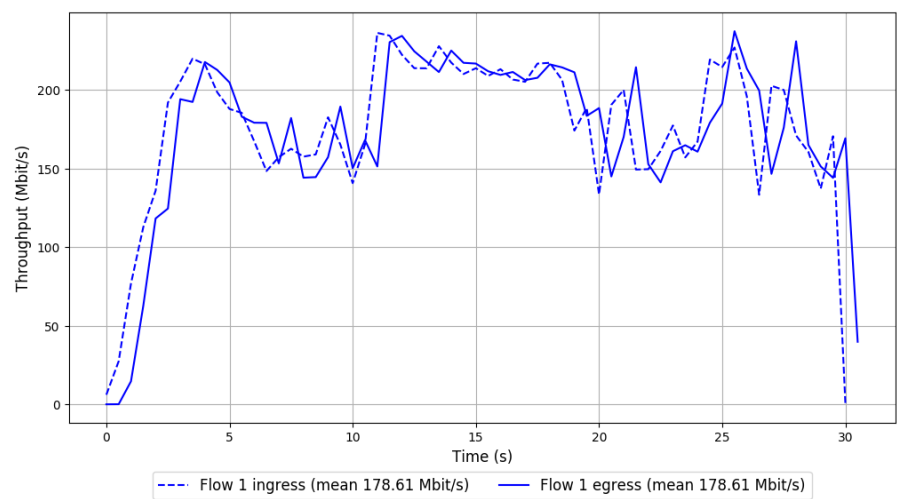
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 176.21 Mbit/s)   Flow 1 egress (mean 176.21 Mbit/s)

Flow 1 (95th percentile 116.63 ms)

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

Start at: 2018-08-01 01:26:01
End at: 2018-08-01 01:26:31
Local clock offset: 2.249 ms
Remote clock offset: 2.407 ms


# Below is generated by plot.py at 2018-08-01 04:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.61 Mbit/s
95th percentile per-packet one-way delay: 117.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.61 Mbit/s
95th percentile per-packet one-way delay: 117.809 ms
Loss rate: 0.00%
```
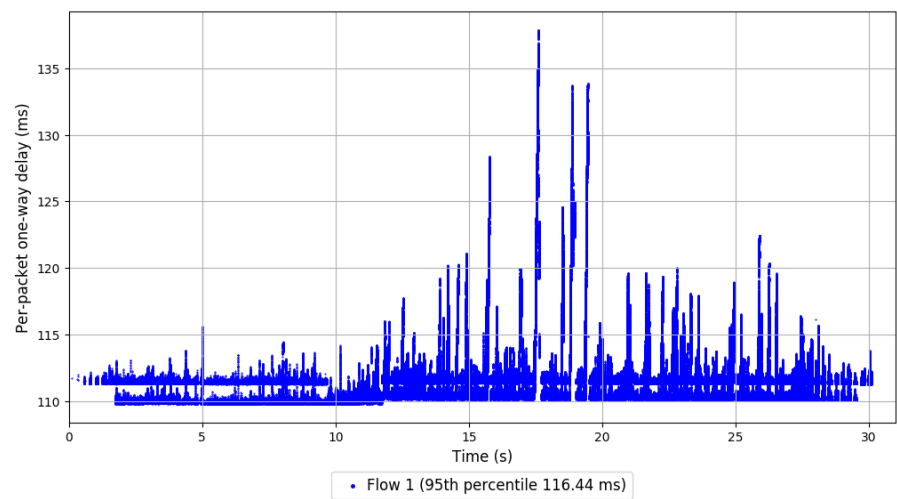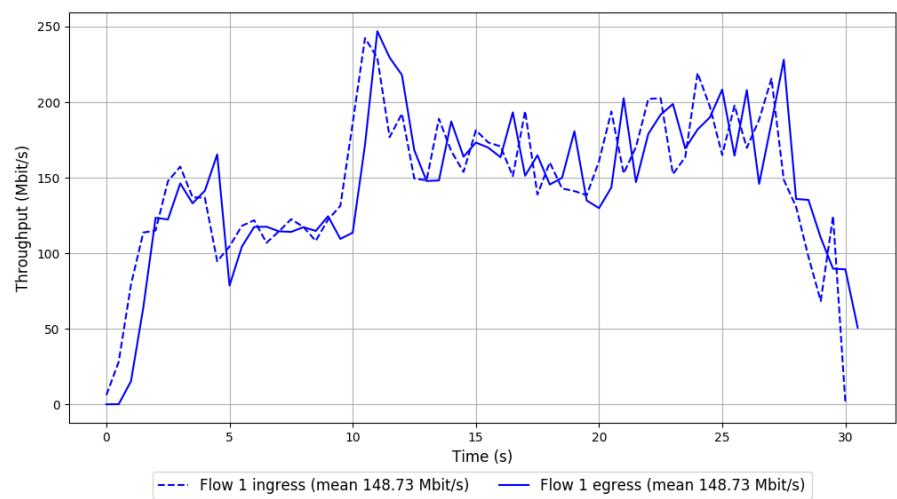
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 178.61 Mbit/s) ---- Flow 1 egress (mean 178.61 Mbit/s)

Flow 1 (95th percentile 117.81 ms)

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

Start at: 2018-08-01 01:48:48
End at: 2018-08-01 01:49:18
Local clock offset: 2.53 ms
Remote clock offset: 1.105 ms


# Below is generated by plot.py at 2018-08-01 04:17:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.73 Mbit/s
95th percentile per-packet one-way delay: 116.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.73 Mbit/s
95th percentile per-packet one-way delay: 116.440 ms
Loss rate: 0.00%
```

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

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

Start at: 2018-08-01 02:11:25
End at: 2018-08-01 02:11:55
Local clock offset: 0.894 ms
Remote clock offset: 0.426 ms


# Below is generated by plot.py at 2018-08-01 04:20:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.97 Mbit/s
95th percentile per-packet one-way delay: 112.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.97 Mbit/s
95th percentile per-packet one-way delay: 112.826 ms
Loss rate: 0.00%
```
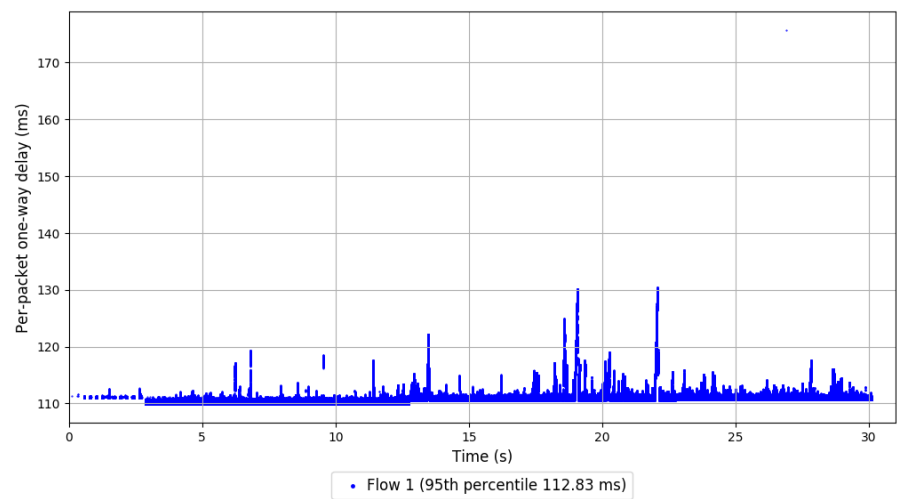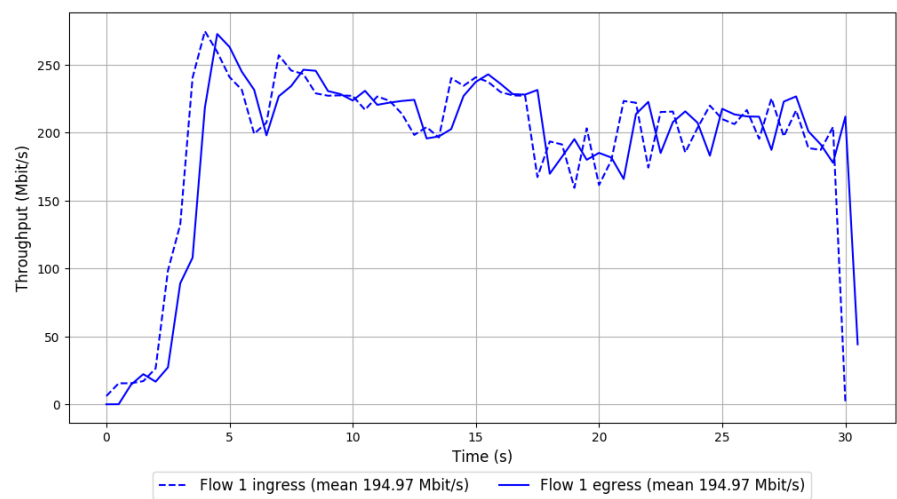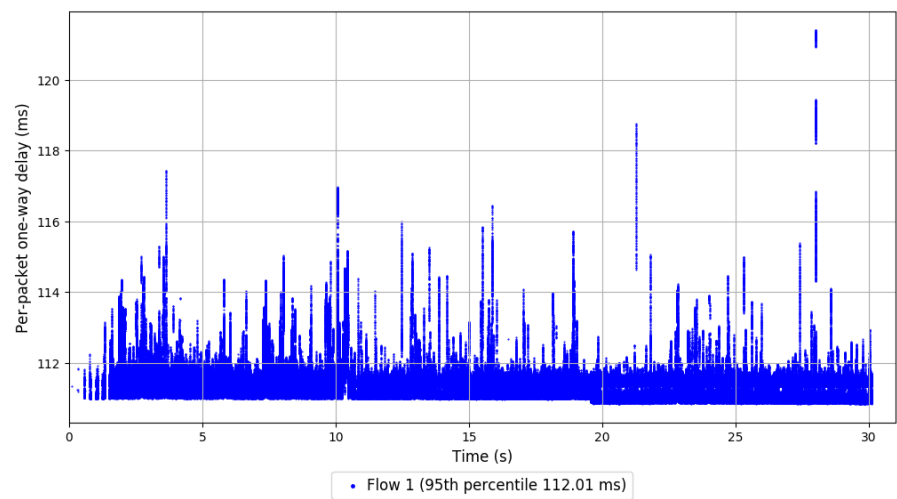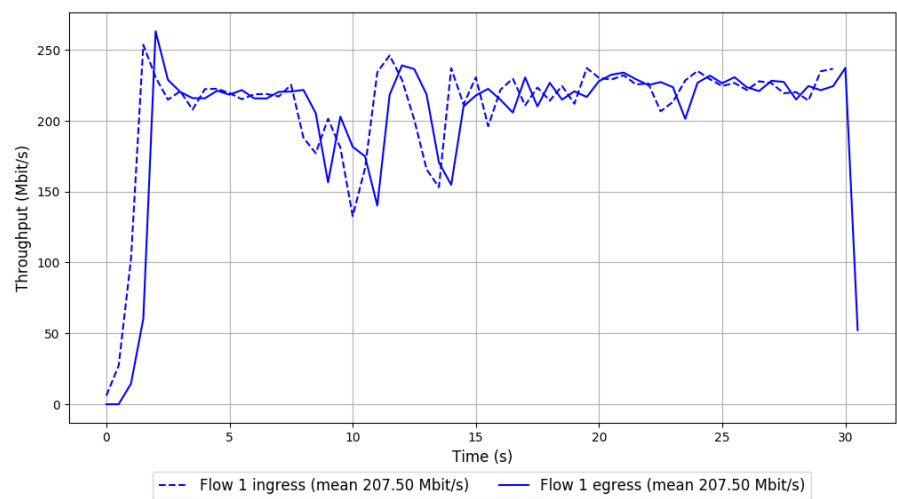
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 194.97 Mbit/s)   Flow 1 egress (mean 194.97 Mbit/s)

• Flow 1 (95th percentile 112.83 ms)

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

Start at: 2018-08-01 02:34:29
End at: 2018-08-01 02:34:59
Local clock offset: 0.313 ms
Remote clock offset: 1.381 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.50 Mbit/s
95th percentile per-packet one-way delay: 112.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.50 Mbit/s
95th percentile per-packet one-way delay: 112.009 ms
Loss rate: 0.00%
```

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

```
Run 1: Statistics of TCP Vegas

Start at: 2018-07-31 22:55:00
End at: 2018-07-31 22:55:30
Local clock offset: 4.421 ms
Remote clock offset: 4.1 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 113.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 113.451 ms
Loss rate: 0.00%
```
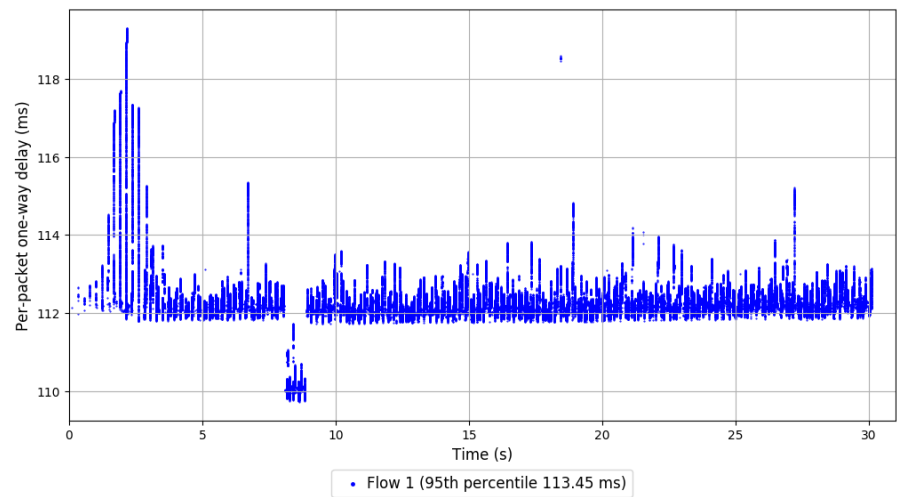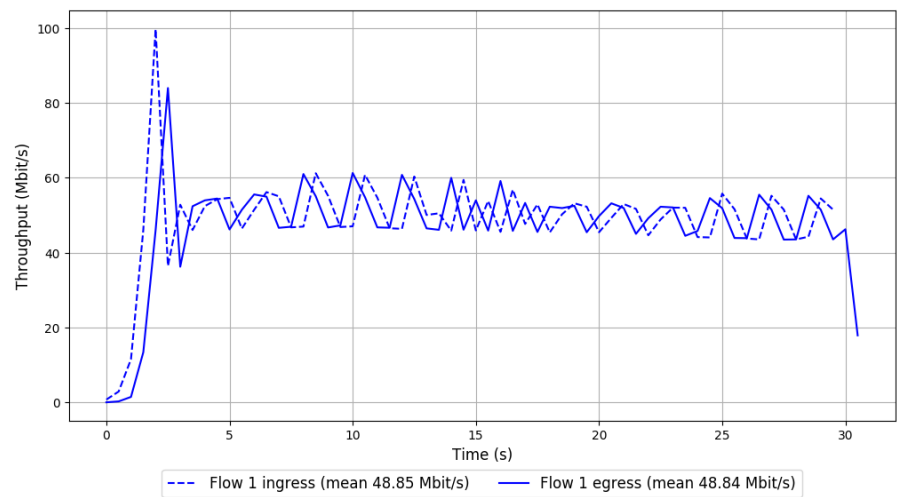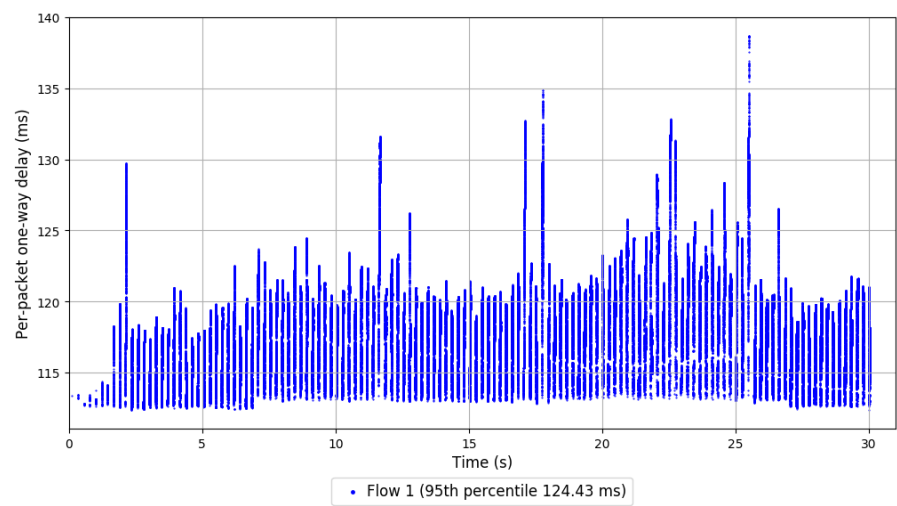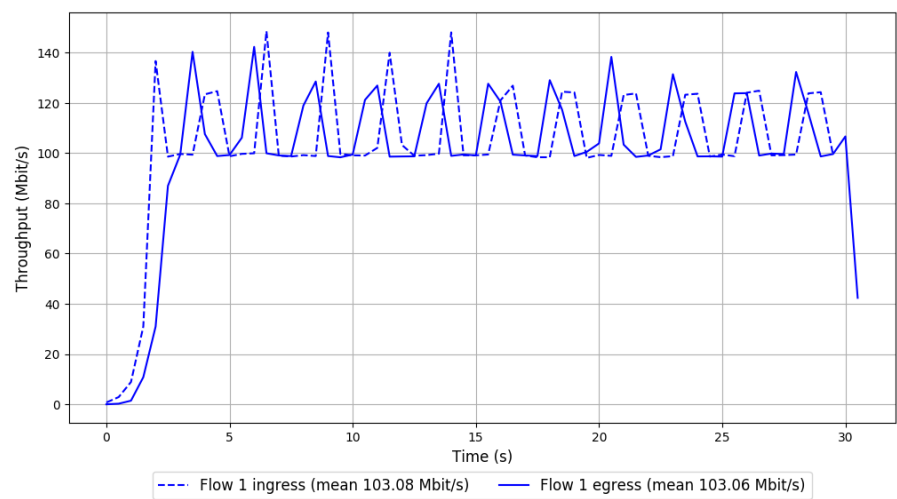
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-07-31 23:17:41
End at: 2018-07-31 23:18:11
Local clock offset: 14.879 ms
Remote clock offset: 14.594 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.06 Mbit/s
95th percentile per-packet one-way delay: 124.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.06 Mbit/s
95th percentile per-packet one-way delay: 124.434 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-07-31 23:40:32
End at: 2018-07-31 23:41:02
Local clock offset: 20.916 ms
Remote clock offset: 20.0 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 114.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 114.996 ms
Loss rate: 0.00%
```
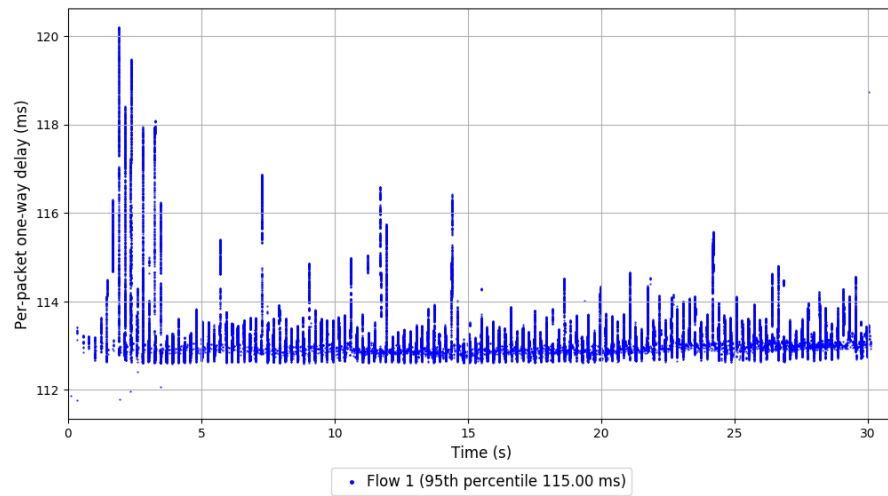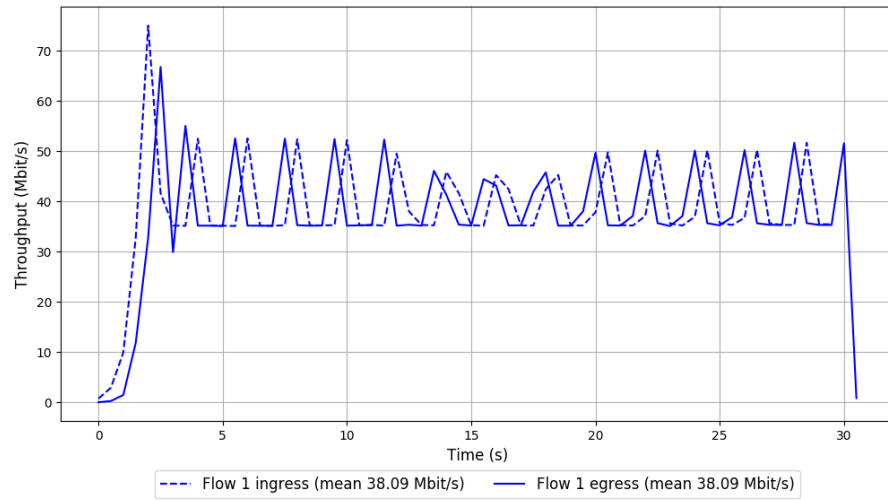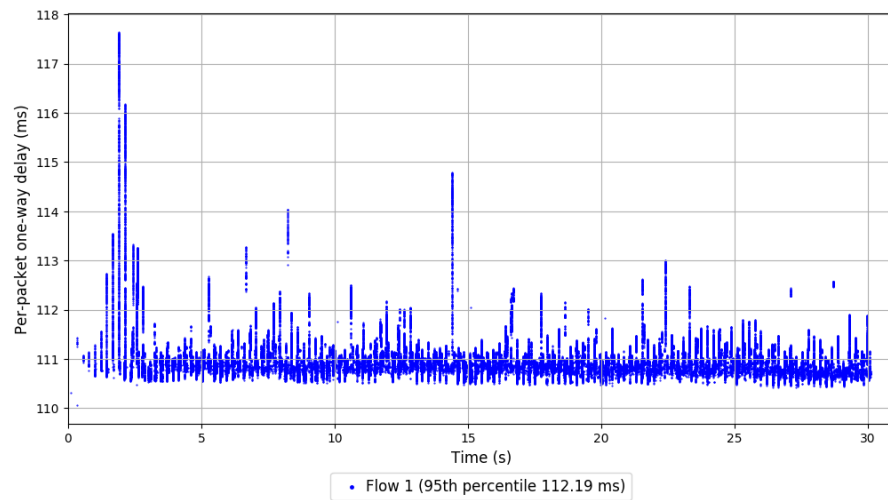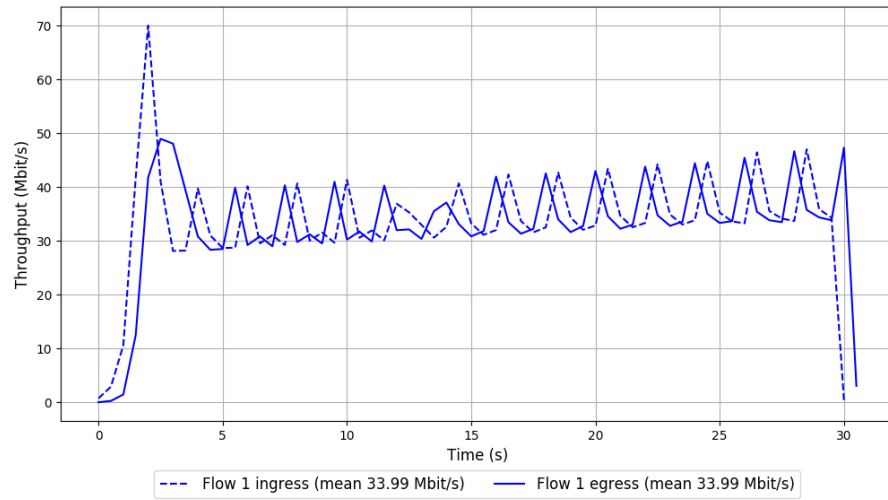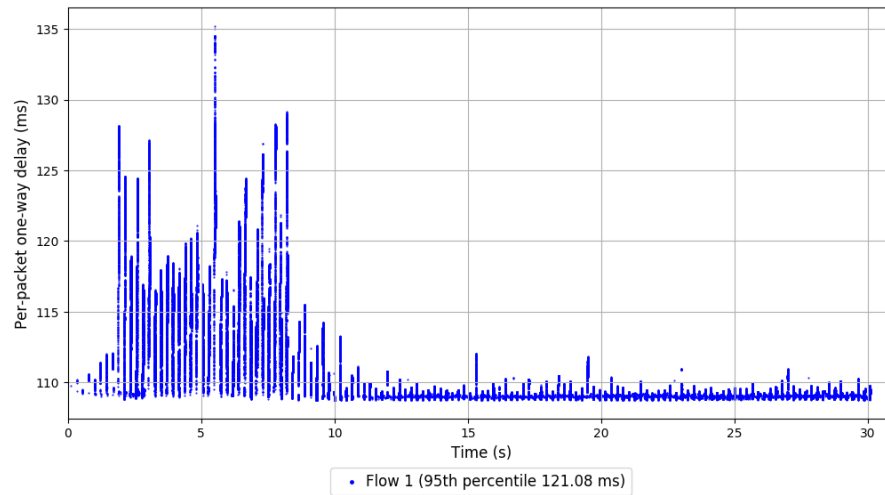
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 00:03:19
End at: 2018-08-01 00:03:49
Local clock offset: 31.803 ms
Remote clock offset: 28.172 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 112.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 112.189 ms
Loss rate: 0.00%
```
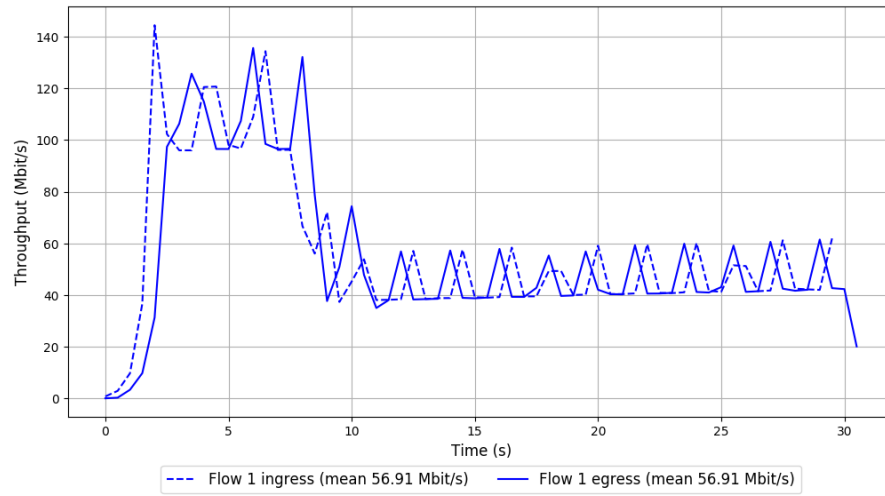
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 00:25:46
End at: 2018-08-01 00:26:16
Local clock offset: 17.26 ms
Remote clock offset: 15.146 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 121.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 121.079 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

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```
Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 00:48:29
End at: 2018-08-01 00:48:59
Local clock offset: 8.022 ms
Remote clock offset: 7.592 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 112.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 112.428 ms
Loss rate: 0.00%
```
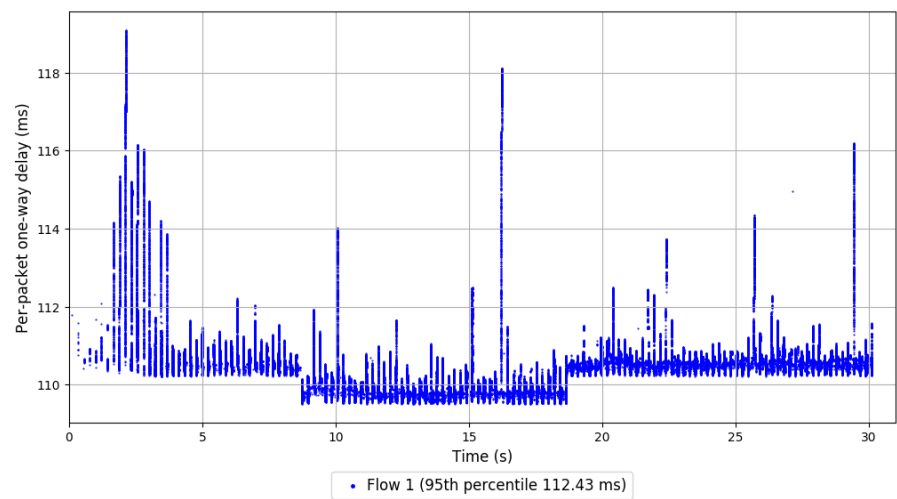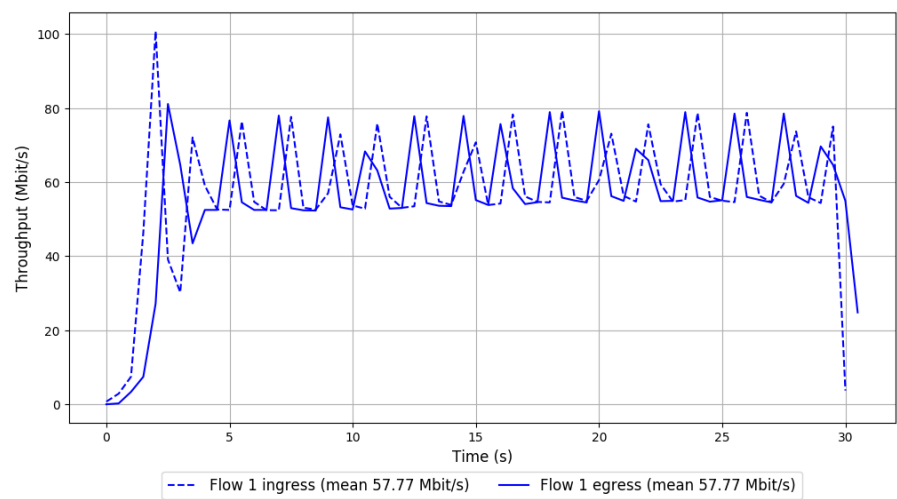
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 01:11:18
End at: 2018-08-01 01:11:48
Local clock offset: 7.957 ms
Remote clock offset: 6.61 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 111.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 111.301 ms
Loss rate: 0.00%
```
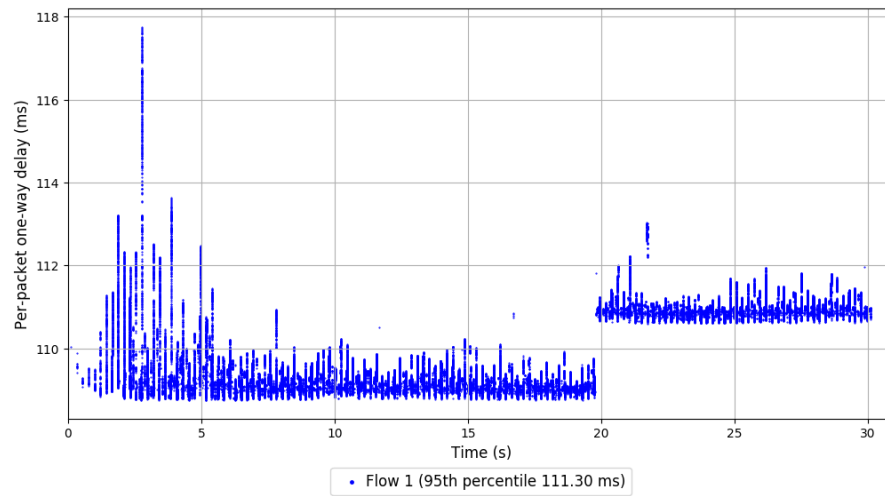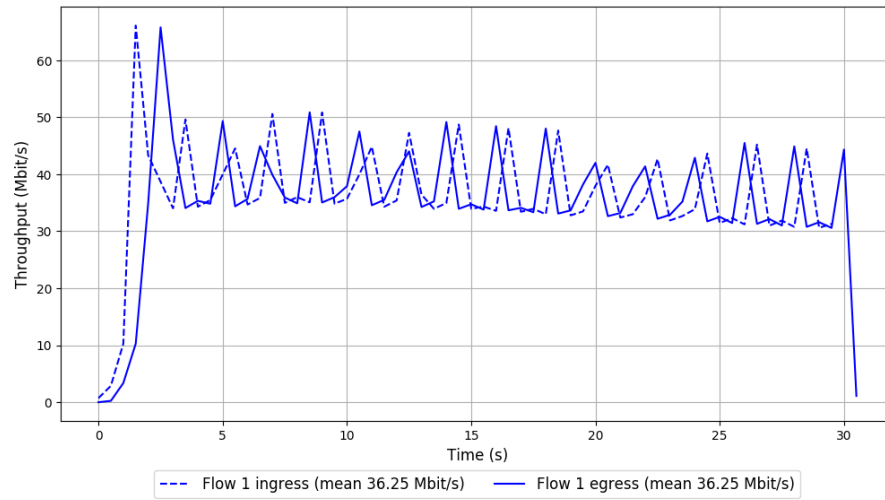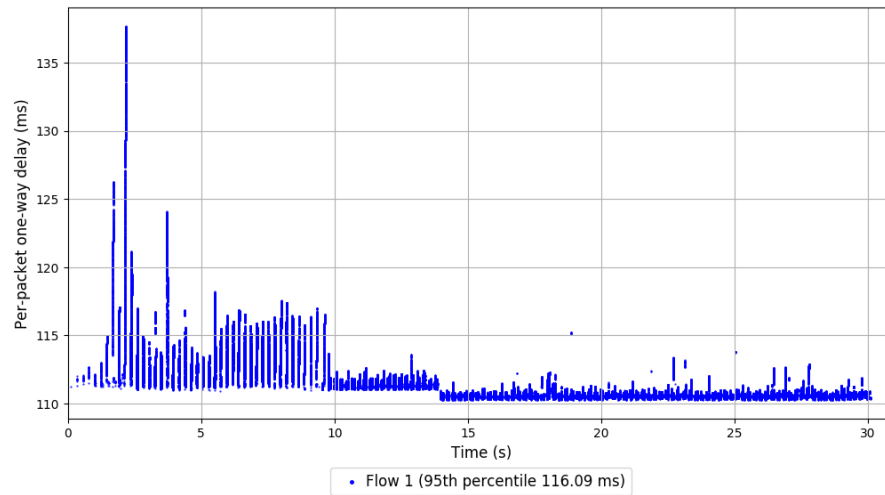
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 36.25 Mbit/s) --- Flow 1 egress (mean 36.25 Mbit/s)

Flow 1 (95th percentile 111.30 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 01:34:14
End at: 2018-08-01 01:34:44
Local clock offset: 3.993 ms
Remote clock offset: 1.783 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.52 Mbit/s
95th percentile per-packet one-way delay: 116.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.52 Mbit/s
95th percentile per-packet one-way delay: 116.087 ms
Loss rate: 0.00%
```
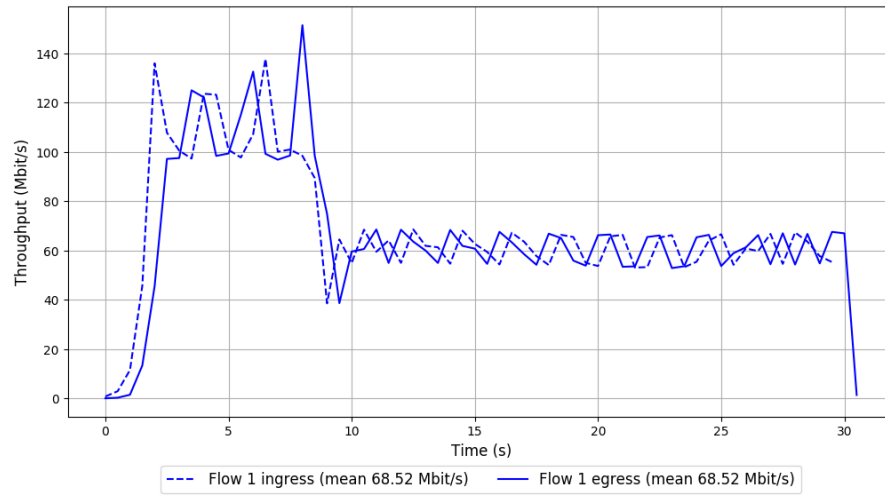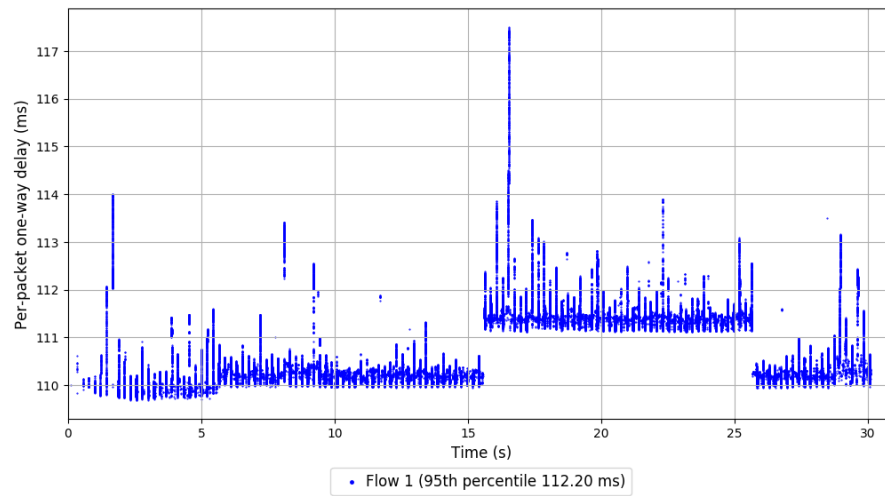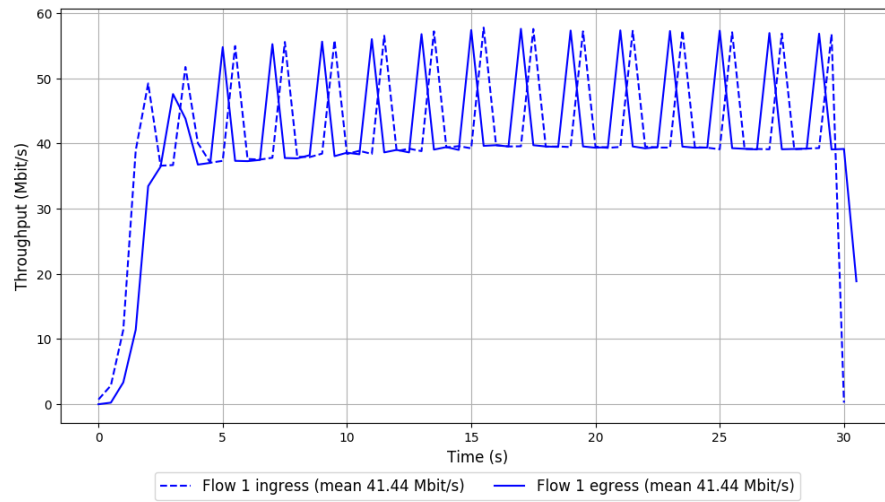
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 68.52 Mbit/s) --- Flow 1 egress (mean 68.52 Mbit/s)

Flow 1 (95th percentile 116.09 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 01:56:52
End at: 2018-08-01 01:57:23
Local clock offset: 1.518 ms
Remote clock offset: 0.731 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 112.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 112.199 ms
Loss rate: 0.00%
```
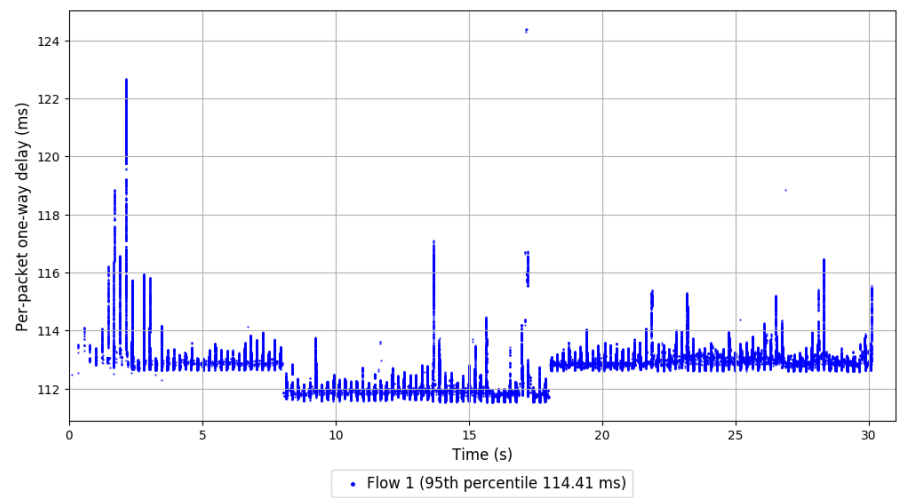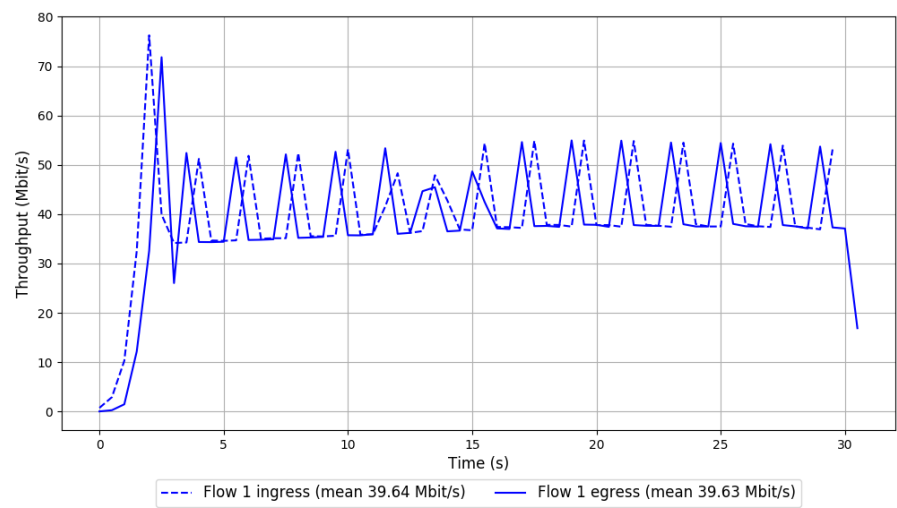
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.44 Mbit/s)   Flow 1 egress (mean 41.44 Mbit/s)

Flow 1 (95th percentile 112.20 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 02:19:40
End at: 2018-08-01 02:20:10
Local clock offset: -0.569 ms
Remote clock offset: 0.995 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 114.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 114.407 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2018-07-31 23:12:05
End at: 2018-07-31 23:12:35
Local clock offset: 14.273 ms
Remote clock offset: 12.45 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 142.13 Mbit/s
95th percentile per-packet one-way delay: 213.225 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 142.13 Mbit/s
95th percentile per-packet one-way delay: 213.225 ms
Loss rate: 3.89%
```
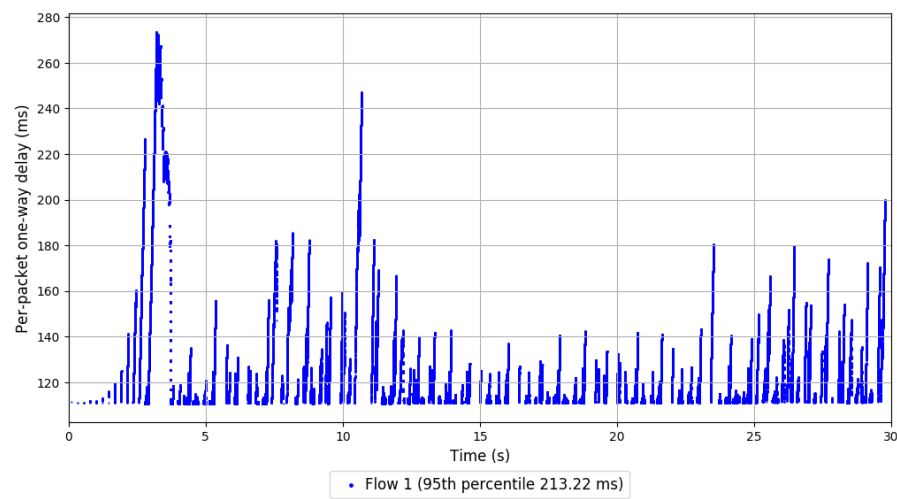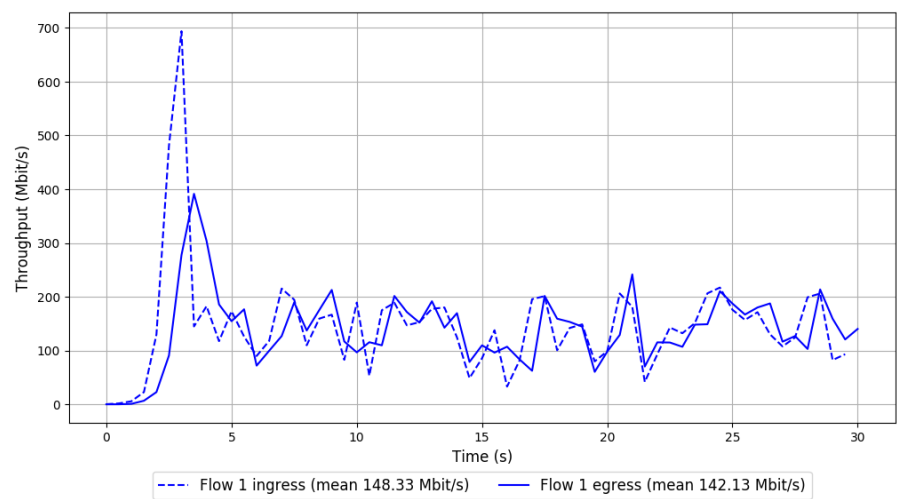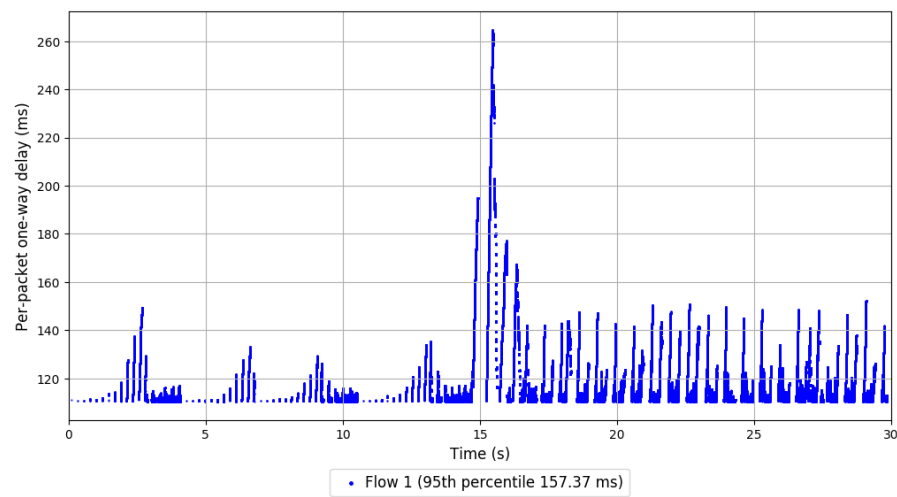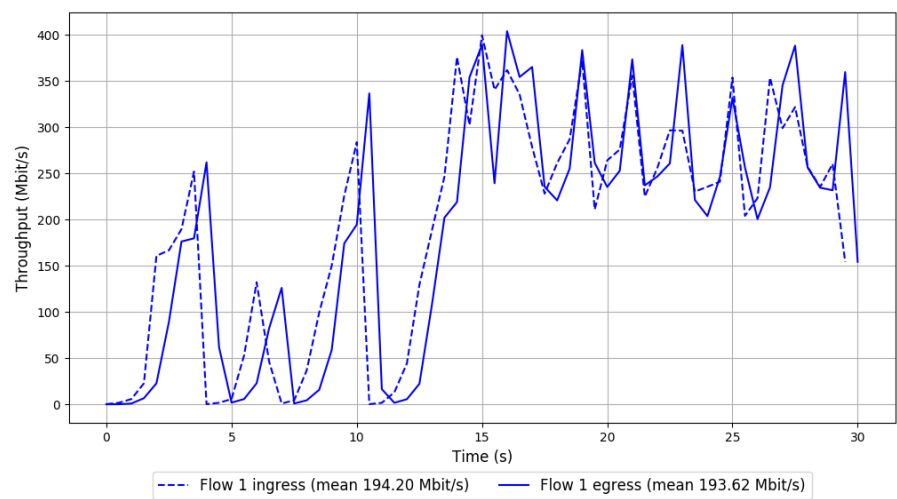
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-07-31 23:34:56
End at: 2018-07-31 23:35:26
Local clock offset: 20.705 ms
Remote clock offset: 17.921 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.62 Mbit/s
95th percentile per-packet one-way delay: 157.367 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 193.62 Mbit/s
95th percentile per-packet one-way delay: 157.367 ms
Loss rate: 0.30%
```
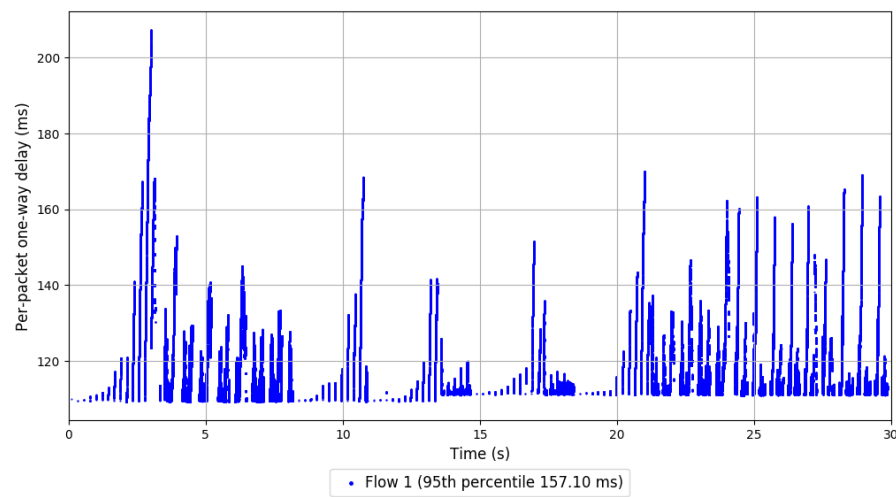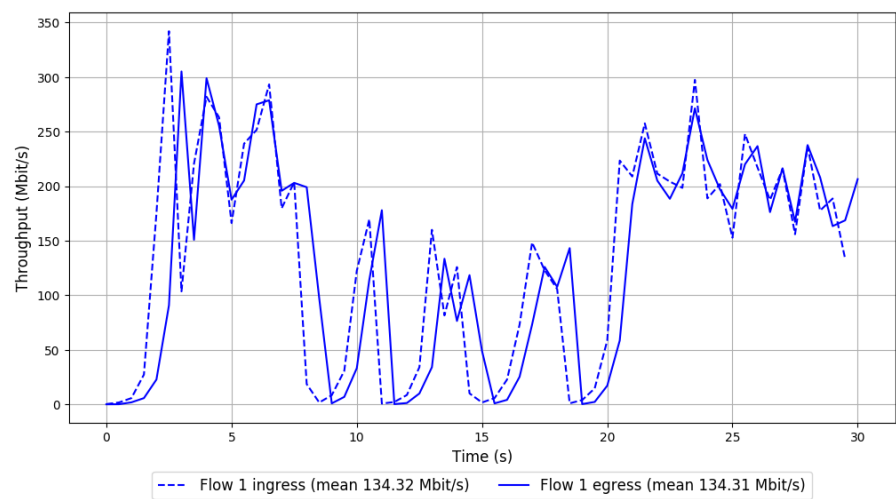
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-07-31 23:57:44
End at: 2018-07-31 23:58:14
Local clock offset: 38.532 ms
Remote clock offset: 34.044 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.31 Mbit/s
95th percentile per-packet one-way delay: 157.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.31 Mbit/s
95th percentile per-packet one-way delay: 157.099 ms
Loss rate: 0.00%
```
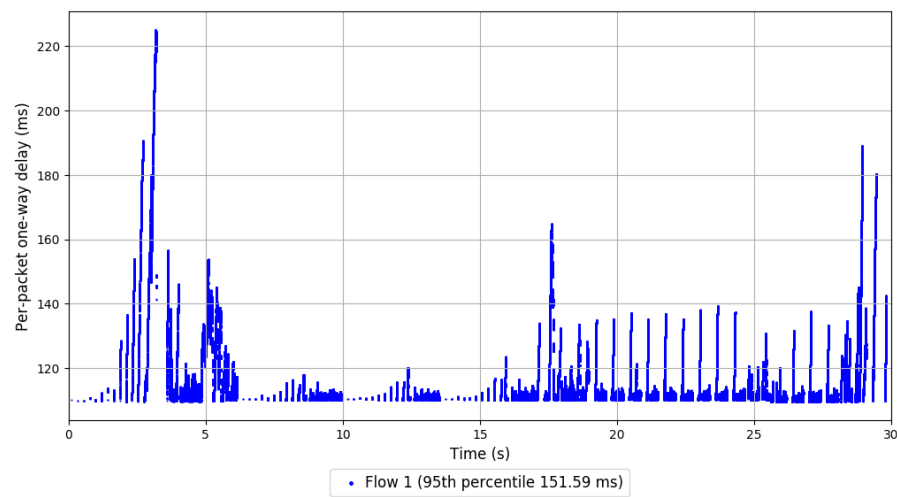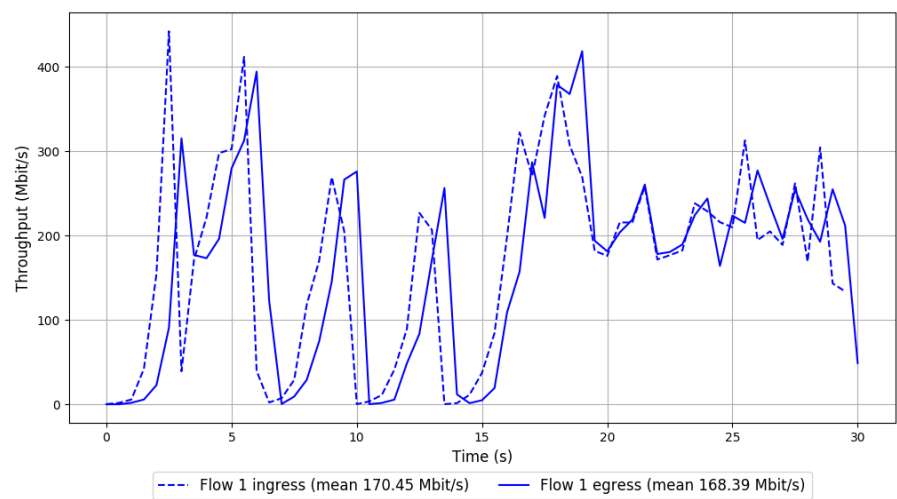
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-08-01 00:20:12
End at: 2018-08-01 00:20:42
Local clock offset: 15.535 ms
Remote clock offset: 14.237 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.39 Mbit/s
95th percentile per-packet one-way delay: 151.585 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 168.39 Mbit/s
95th percentile per-packet one-way delay: 151.585 ms
Loss rate: 1.21%
```

Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-08-01 00:42:43
End at: 2018-08-01 00:43:13
Local clock offset: 10.032 ms
Remote clock offset: 9.663 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.95 Mbit/s
95th percentile per-packet one-way delay: 138.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.95 Mbit/s
95th percentile per-packet one-way delay: 138.704 ms
Loss rate: 0.00%
```
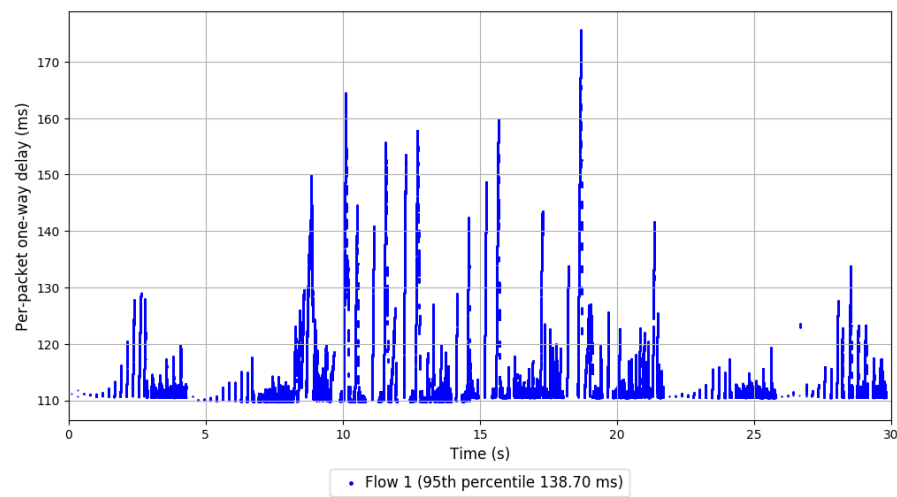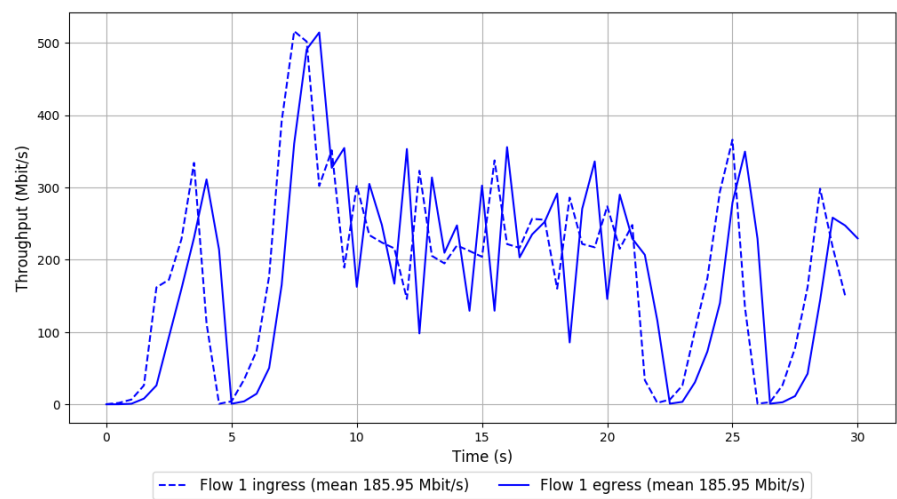
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2018-08-01 01:05:43
End at: 2018-08-01 01:06:13
Local clock offset: 9.488 ms
Remote clock offset: 8.768 ms


# Below is generated by plot.py at 2018-08-01 04:21:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.39 Mbit/s
95th percentile per-packet one-way delay: 199.951 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 183.39 Mbit/s
95th percentile per-packet one-way delay: 199.951 ms
Loss rate: 0.64%
```
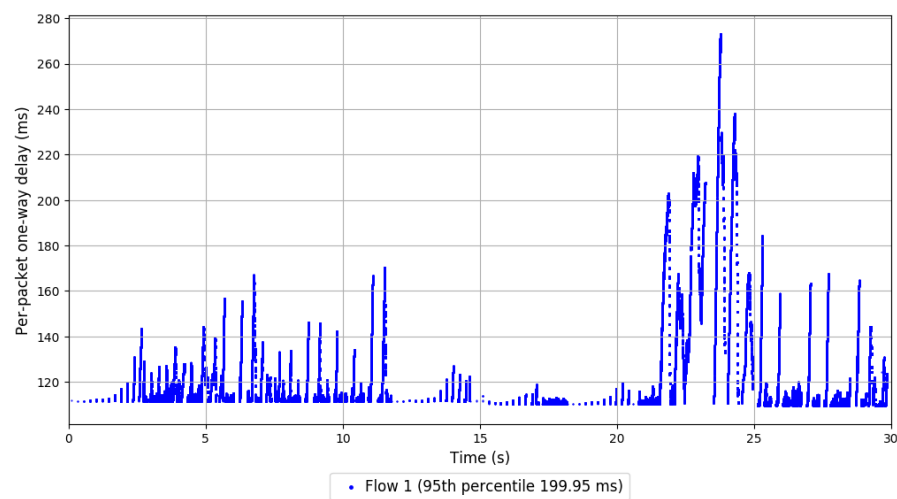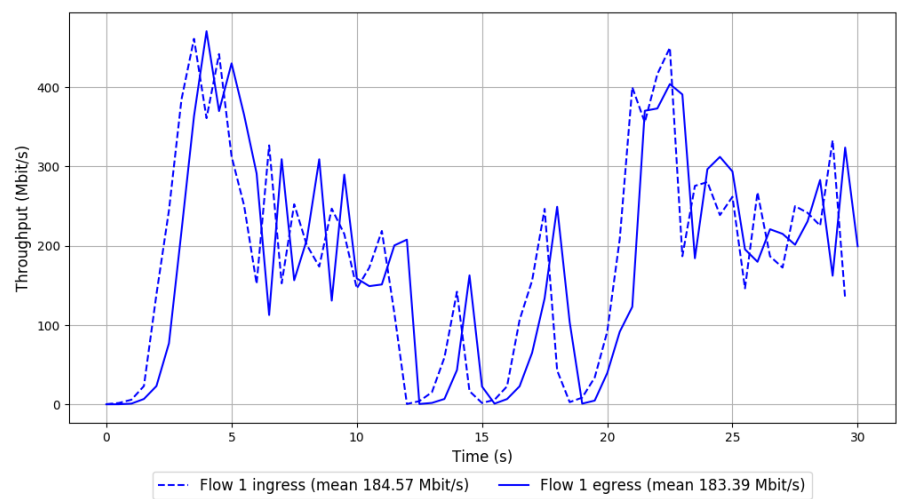
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-08-01 01:28:33
End at: 2018-08-01 01:29:03
Local clock offset: 2.329 ms
Remote clock offset: 2.195 ms


# Below is generated by plot.py at 2018-08-01 04:22:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.62 Mbit/s
95th percentile per-packet one-way delay: 206.874 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 202.62 Mbit/s
95th percentile per-packet one-way delay: 206.874 ms
Loss rate: 0.06%
```
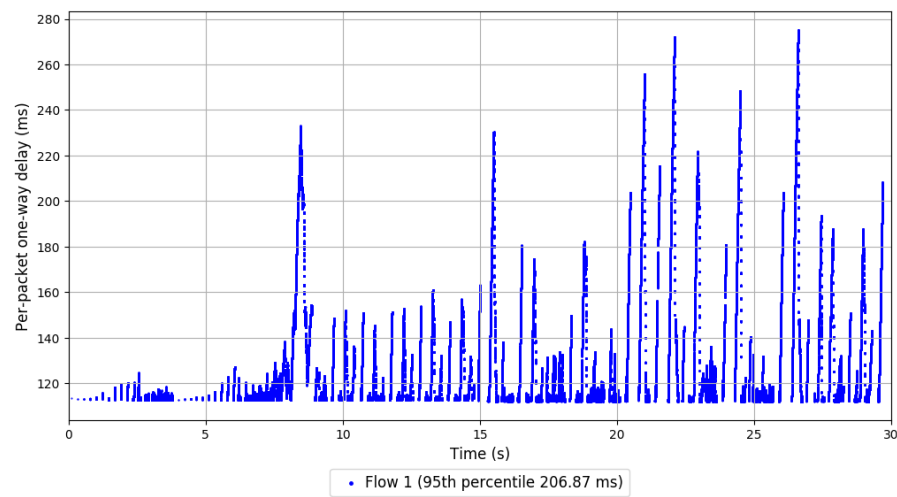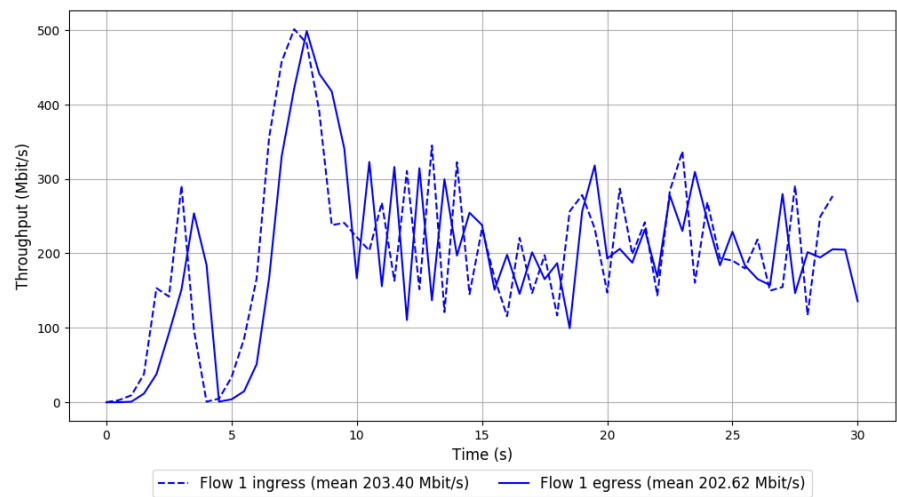
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-08-01 01:51:17
End at: 2018-08-01 01:51:47
Local clock offset: 3.368 ms
Remote clock offset: 0.901 ms


# Below is generated by plot.py at 2018-08-01 04:22:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 170.162 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 170.162 ms
Loss rate: 1.40%
```
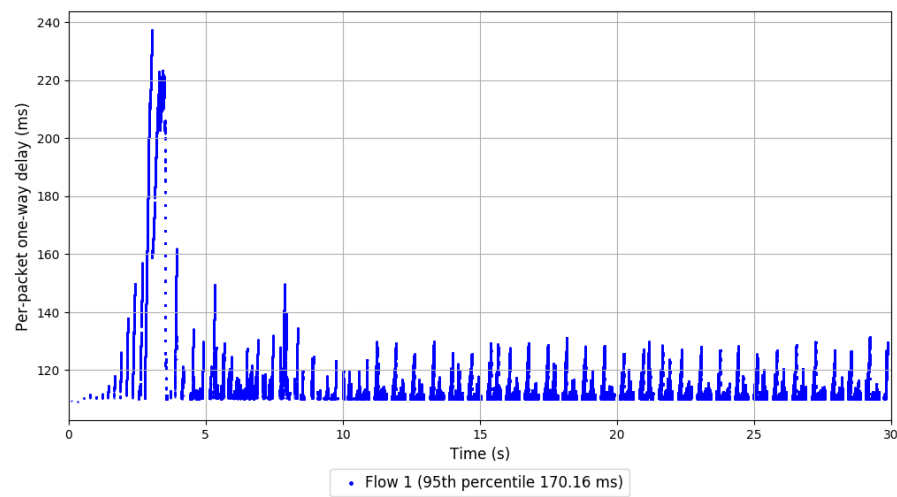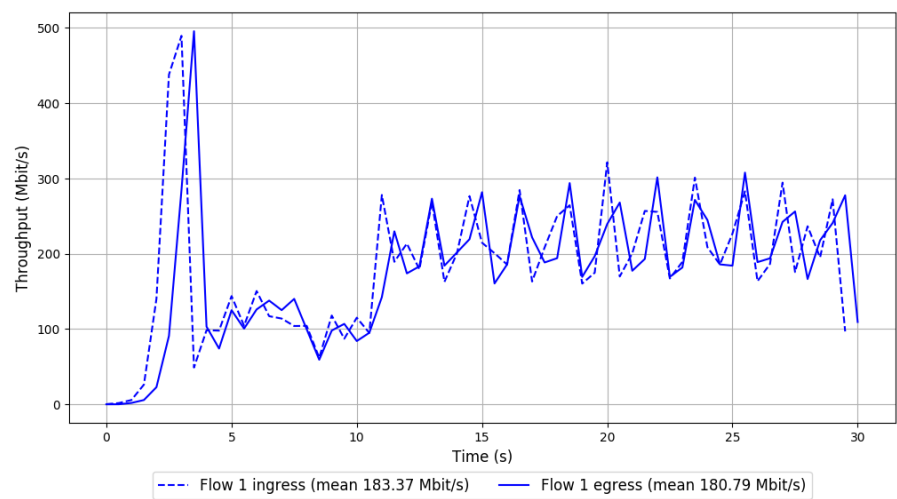
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2018-08-01 02:13:59
End at: 2018-08-01 02:14:29
Local clock offset: 2.197 ms
Remote clock offset: 0.855 ms


# Below is generated by plot.py at 2018-08-01 04:23:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.13 Mbit/s
95th percentile per-packet one-way delay: 213.187 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 235.13 Mbit/s
95th percentile per-packet one-way delay: 213.187 ms
Loss rate: 1.94%
```
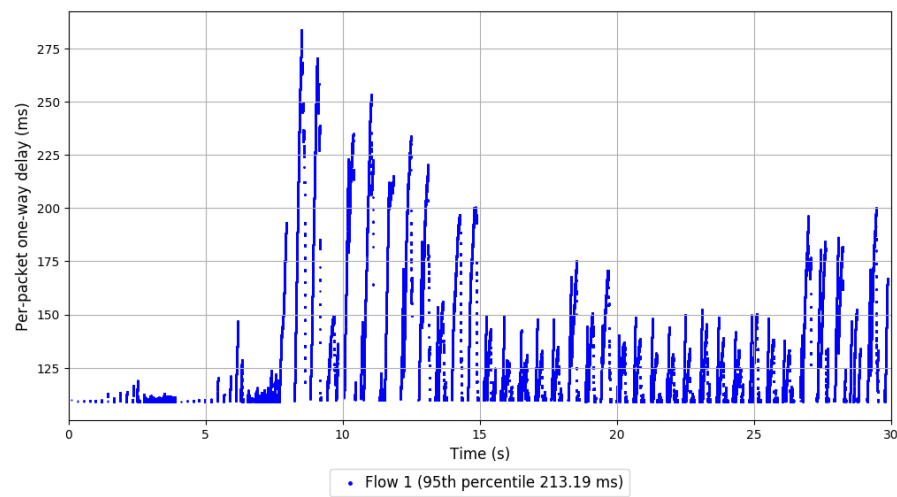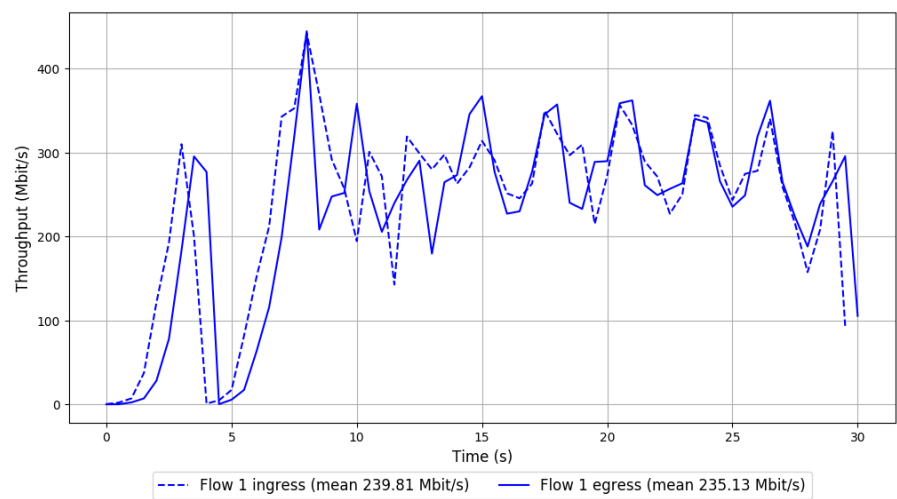
Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2018-08-01 02:37:04
End at: 2018-08-01 02:37:34
Local clock offset: 0.221 ms
Remote clock offset: 1.41 ms


# Below is generated by plot.py at 2018-08-01 04:23:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.11 Mbit/s
95th percentile per-packet one-way delay: 125.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.11 Mbit/s
95th percentile per-packet one-way delay: 125.217 ms
Loss rate: 0.00%
```
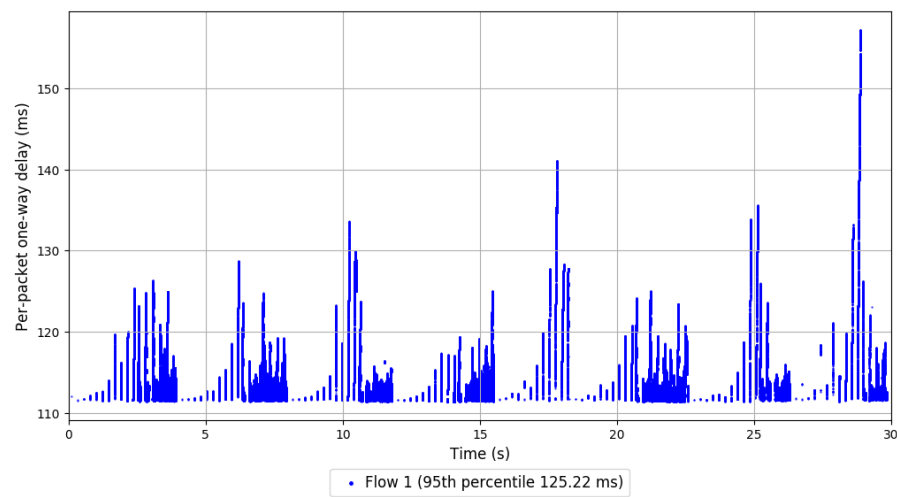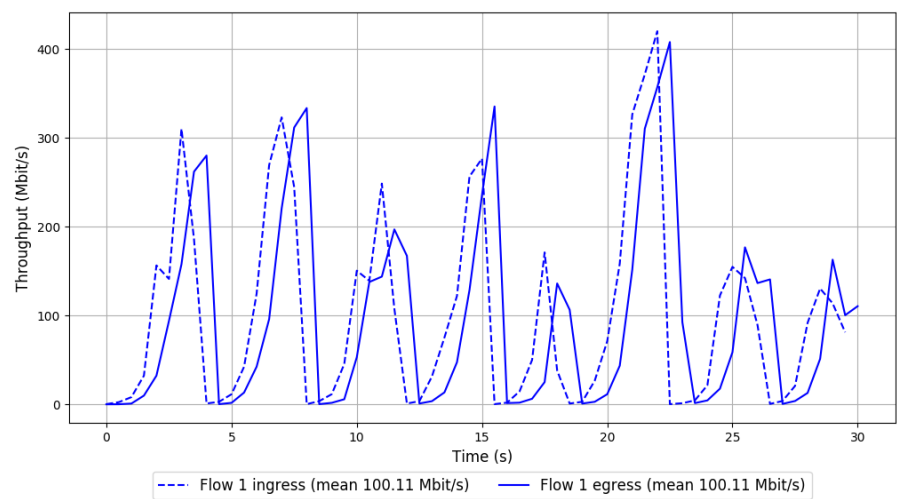
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of PCC-Vivace

Start at: 2018-07-31 22:59:20
End at: 2018-07-31 22:59:50
Local clock offset: 8.577 ms
Remote clock offset: 8.064 ms


# Below is generated by plot.py at 2018-08-01 04:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 390.51 Mbit/s
95th percentile per-packet one-way delay: 129.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 390.51 Mbit/s
95th percentile per-packet one-way delay: 129.140 ms
Loss rate: 0.00%
```
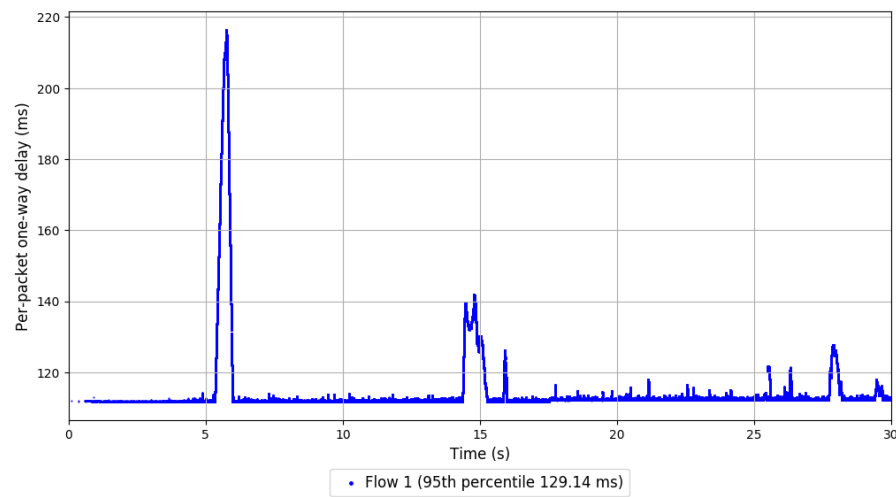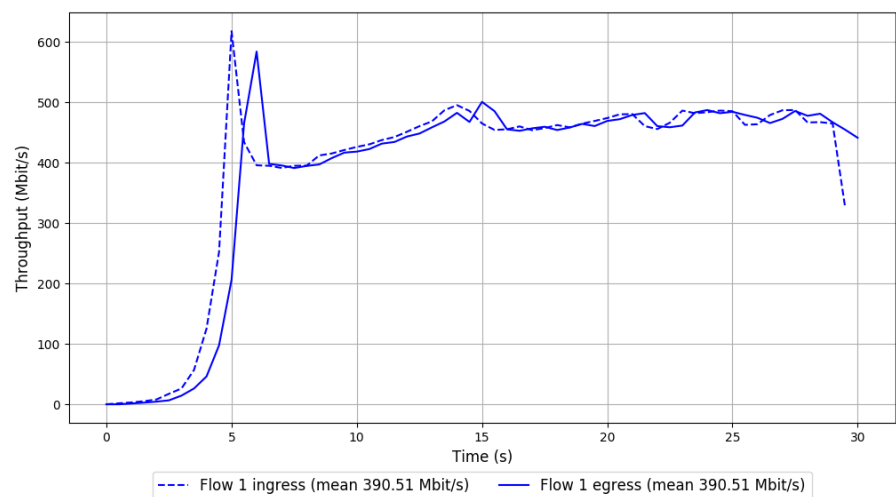
Run 1: Report of PCC-Vivace — Data Link

- - - Flow 1 ingress (mean 390.51 Mbit/s) ——— Flow 1 egress (mean 390.51 Mbit/s)

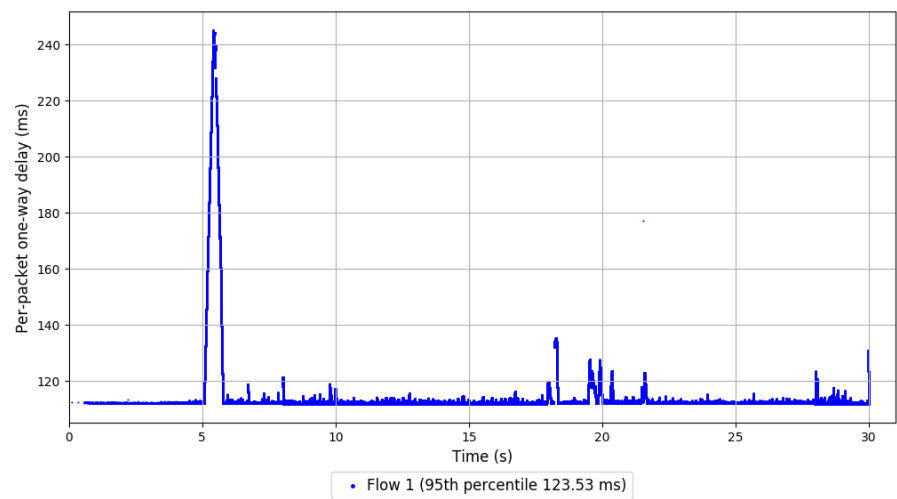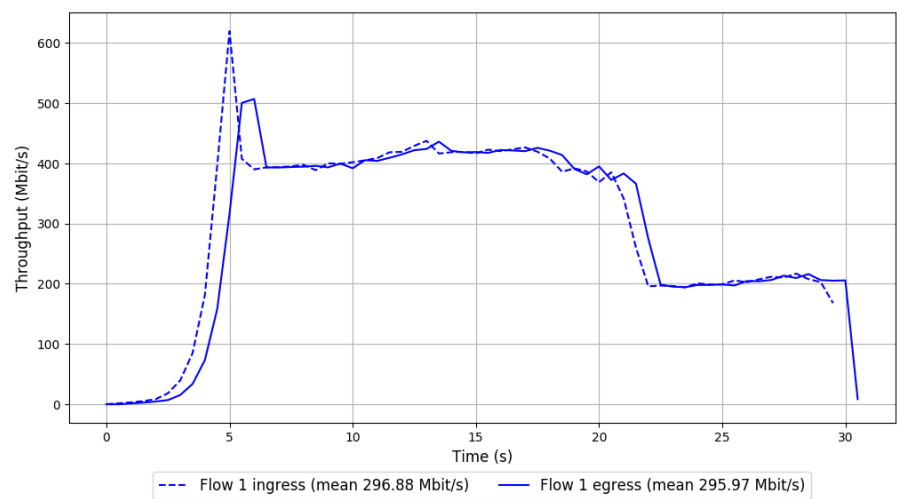
• Flow 1 (95th percentile 129.14 ms)

```
Run 2: Statistics of PCC-Vivace

Start at: 2018-07-31 23:22:12
End at: 2018-07-31 23:22:42
Local clock offset: 20.286 ms
Remote clock offset: 19.684 ms


# Below is generated by plot.py at 2018-08-01 04:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 295.97 Mbit/s
95th percentile per-packet one-way delay: 123.533 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 295.97 Mbit/s
95th percentile per-packet one-way delay: 123.533 ms
Loss rate: 0.31%
```

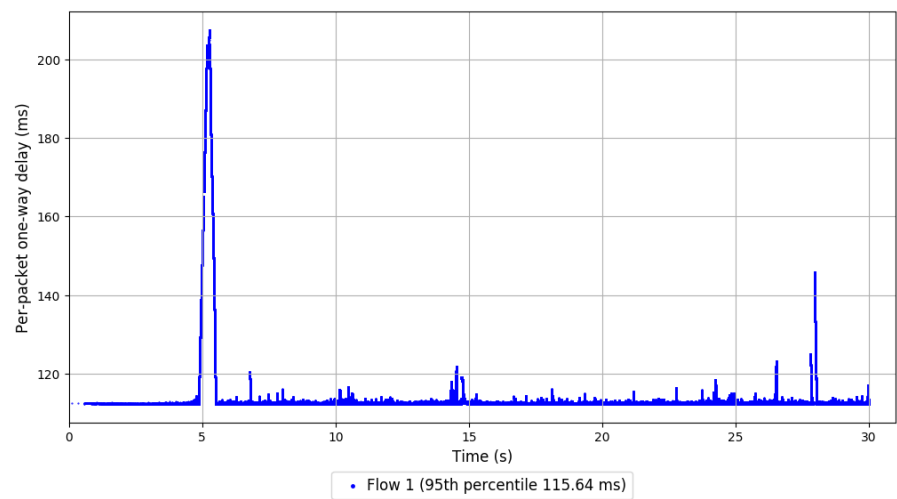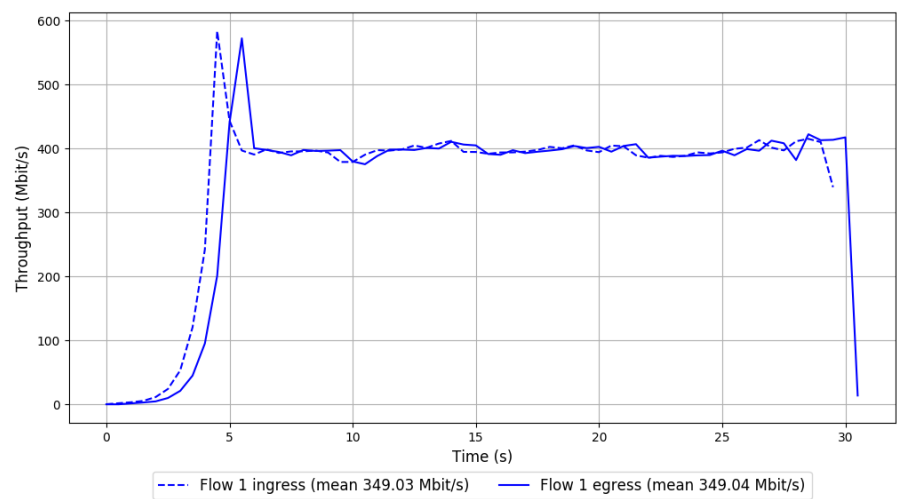Run 2: Report of PCC-Vivace — Data Link

```
Run 3: Statistics of PCC-Vivace

Start at: 2018-07-31 23:44:56
End at: 2018-07-31 23:45:26
Local clock offset: 24.184 ms
Remote clock offset: 22.545 ms


# Below is generated by plot.py at 2018-08-01 04:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 349.04 Mbit/s
95th percentile per-packet one-way delay: 115.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 349.04 Mbit/s
95th percentile per-packet one-way delay: 115.638 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 349.03 Mbit/s) ----   Flow 1 egress (mean 349.04 Mbit/s) ——

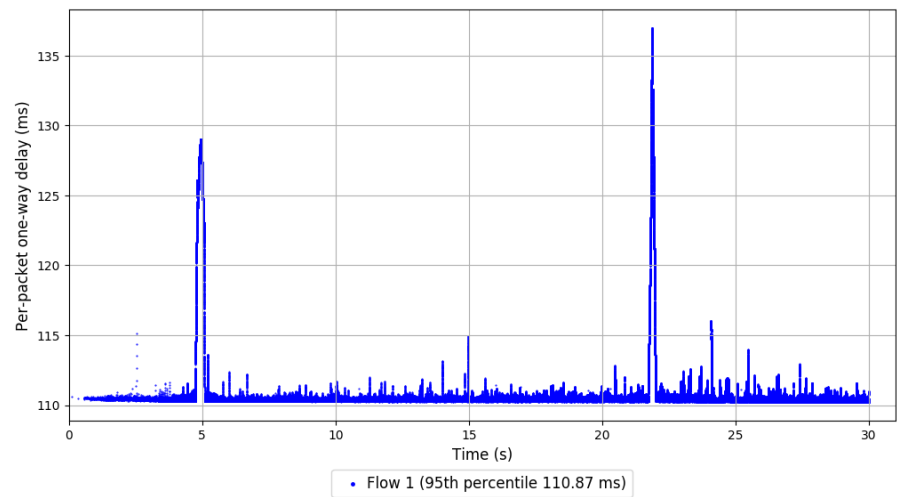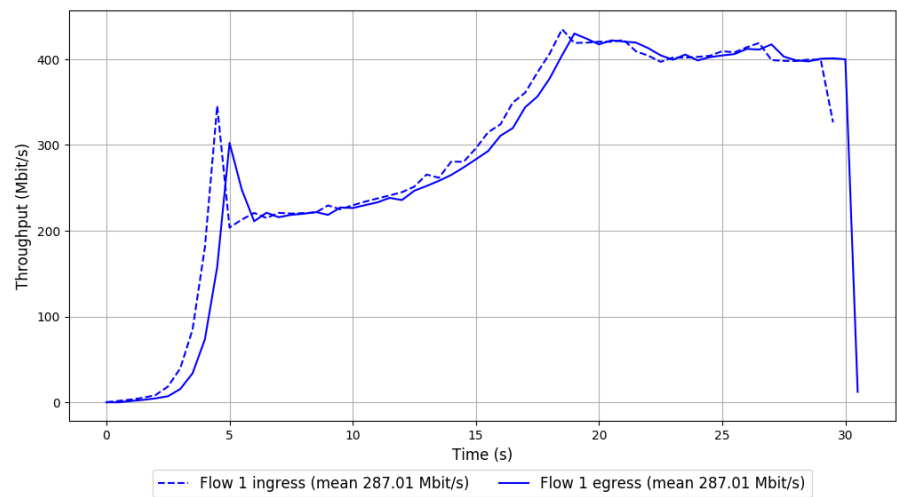Flow 1 (95th percentile 115.64 ms)

```
Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 00:07:43
End at: 2018-08-01 00:08:13
Local clock offset: 22.287 ms
Remote clock offset: 19.143 ms


# Below is generated by plot.py at 2018-08-01 04:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 287.01 Mbit/s
95th percentile per-packet one-way delay: 110.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 287.01 Mbit/s
95th percentile per-packet one-way delay: 110.869 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 287.01 Mbit/s)   Flow 1 egress (mean 287.01 Mbit/s)
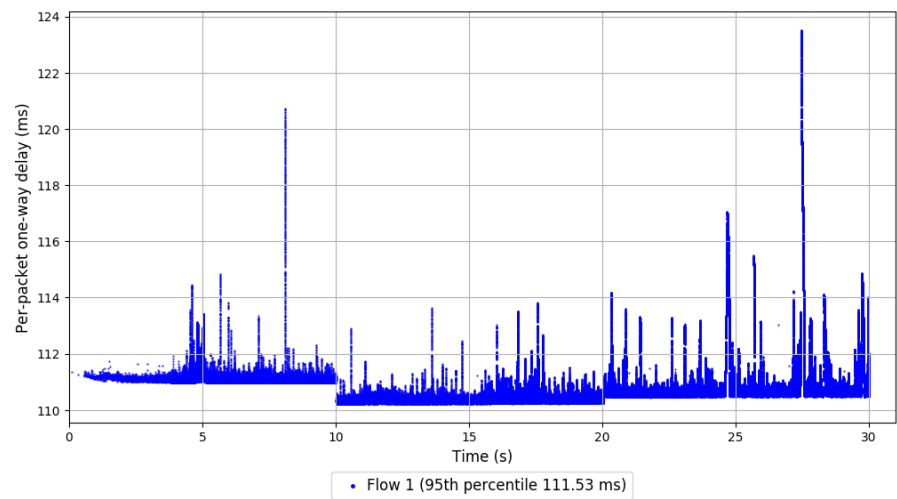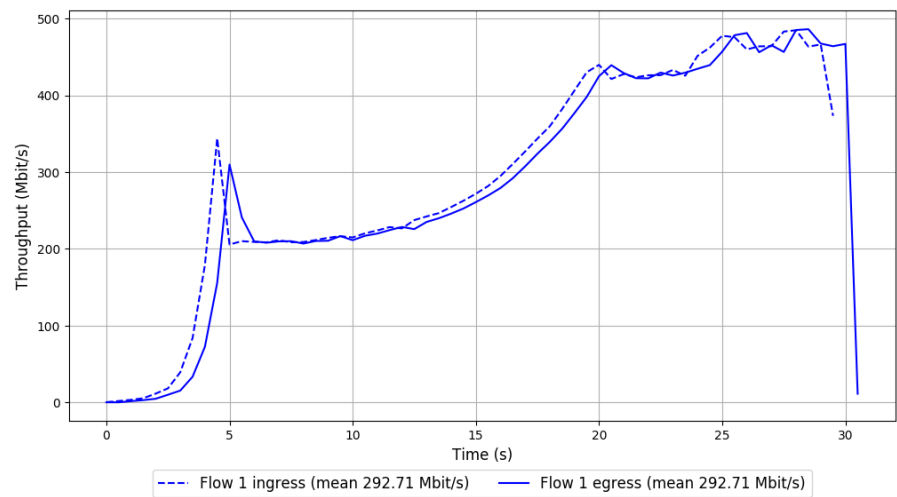

Flow 1 (95th percentile 110.87 ms)

```
Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 00:30:08
End at: 2018-08-01 00:30:38
Local clock offset: 19.292 ms
Remote clock offset: 17.468 ms


# Below is generated by plot.py at 2018-08-01 04:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 292.71 Mbit/s
95th percentile per-packet one-way delay: 111.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 292.71 Mbit/s
95th percentile per-packet one-way delay: 111.534 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 292.71 Mbit/s)   Flow 1 egress (mean 292.71 Mbit/s)

Flow 1 (95th percentile 111.53 ms)

```
Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 00:52:50
End at: 2018-08-01 00:53:20
Local clock offset: 7.886 ms
Remote clock offset: 6.784 ms


# Below is generated by plot.py at 2018-08-01 04:28:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 398.43 Mbit/s
95th percentile per-packet one-way delay: 121.210 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 398.43 Mbit/s
95th percentile per-packet one-way delay: 121.210 ms
Loss rate: 0.20%
```
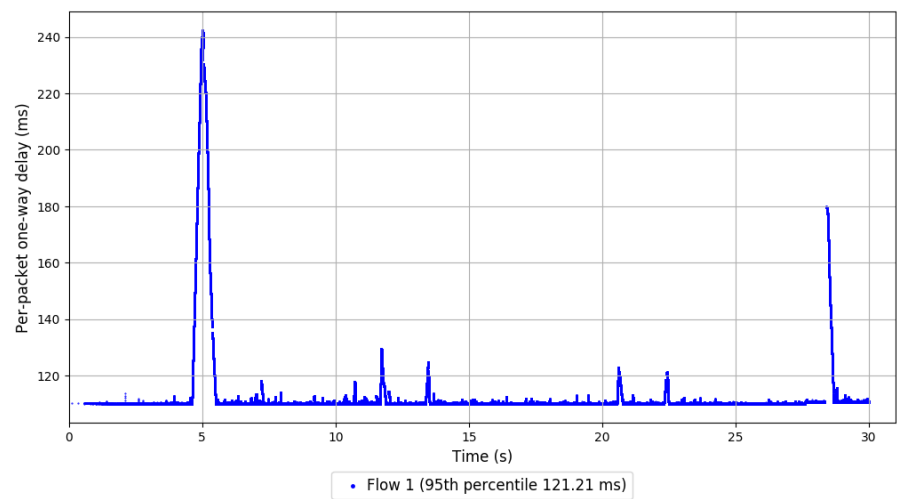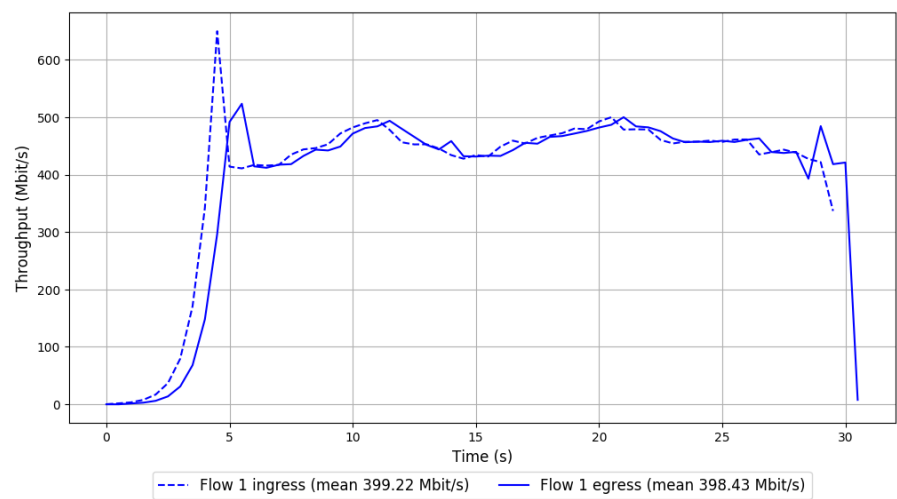
Run 6: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 399.22 Mbit/s)   Flow 1 egress (mean 398.43 Mbit/s)

Flow 1 (95th percentile 121.21 ms)

315

```
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 01:15:44
End at: 2018-08-01 01:16:14
Local clock offset: 5.335 ms
Remote clock offset: 4.575 ms


# Below is generated by plot.py at 2018-08-01 04:28:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 306.36 Mbit/s
95th percentile per-packet one-way delay: 131.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 306.36 Mbit/s
95th percentile per-packet one-way delay: 131.133 ms
Loss rate: 0.00%
```
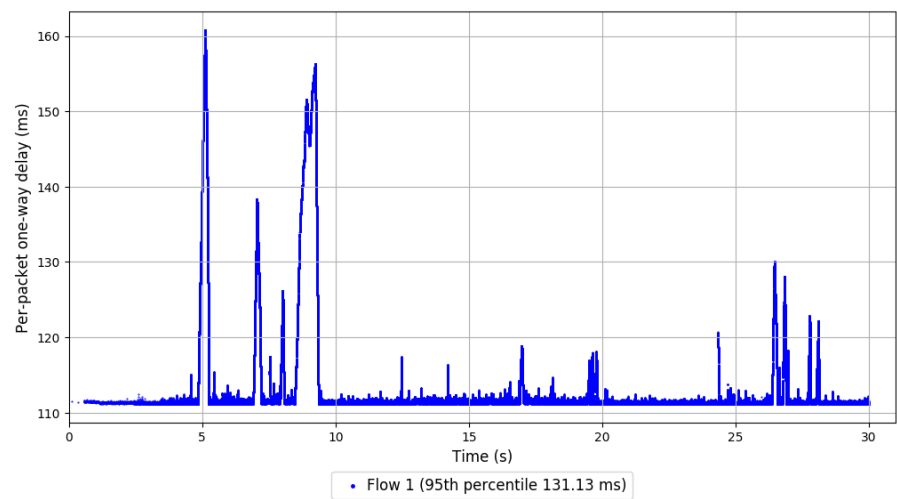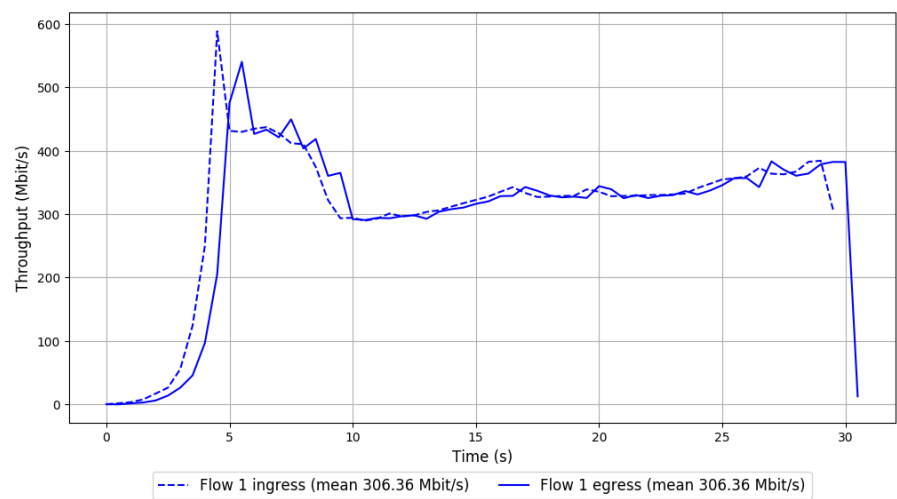
Run 7: Report of PCC-Vivace — Data Link

```
Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 01:38:38
End at: 2018-08-01 01:39:08
Local clock offset: 4.468 ms
Remote clock offset: 1.824 ms


# Below is generated by plot.py at 2018-08-01 04:28:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.41 Mbit/s
95th percentile per-packet one-way delay: 122.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 345.41 Mbit/s
95th percentile per-packet one-way delay: 122.444 ms
Loss rate: 0.00%
```
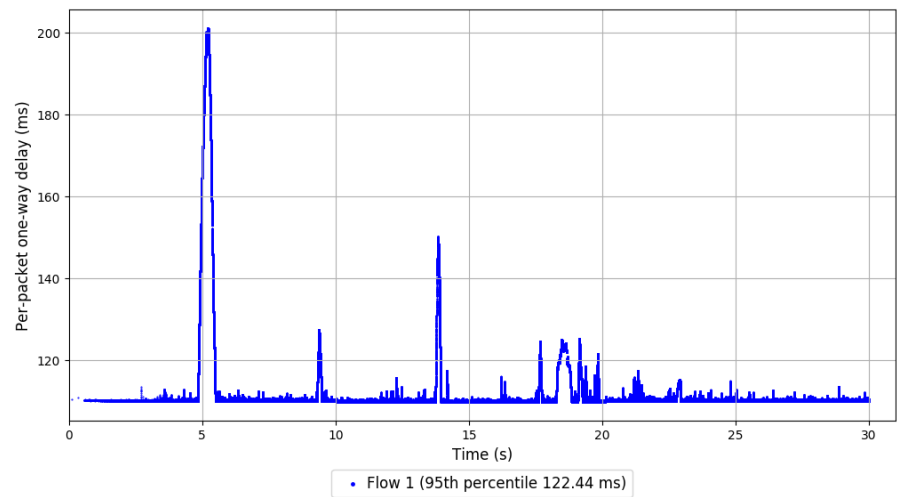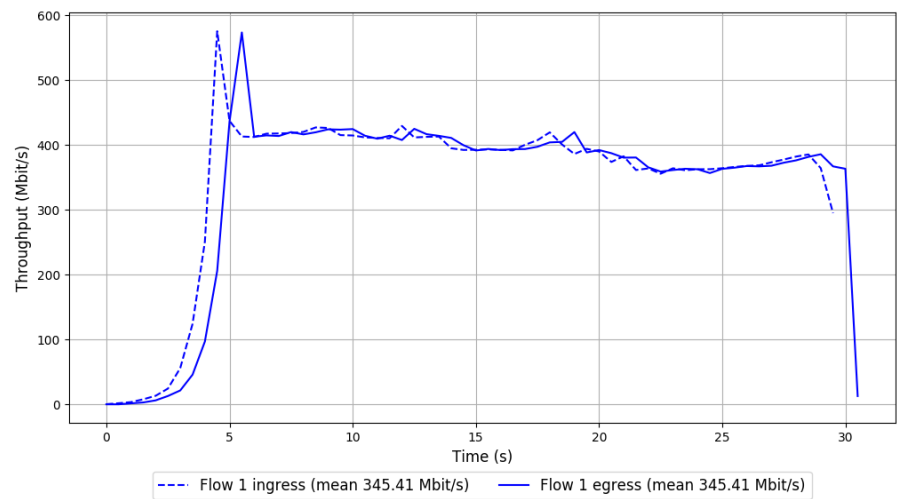
Run 8: Report of PCC-Vivace — Data Link

```
Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 02:01:17
End at: 2018-08-01 02:01:47
Local clock offset: 0.888 ms
Remote clock offset: 0.326 ms


# Below is generated by plot.py at 2018-08-01 04:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 296.06 Mbit/s
95th percentile per-packet one-way delay: 130.339 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 296.06 Mbit/s
95th percentile per-packet one-way delay: 130.339 ms
Loss rate: 0.78%
```
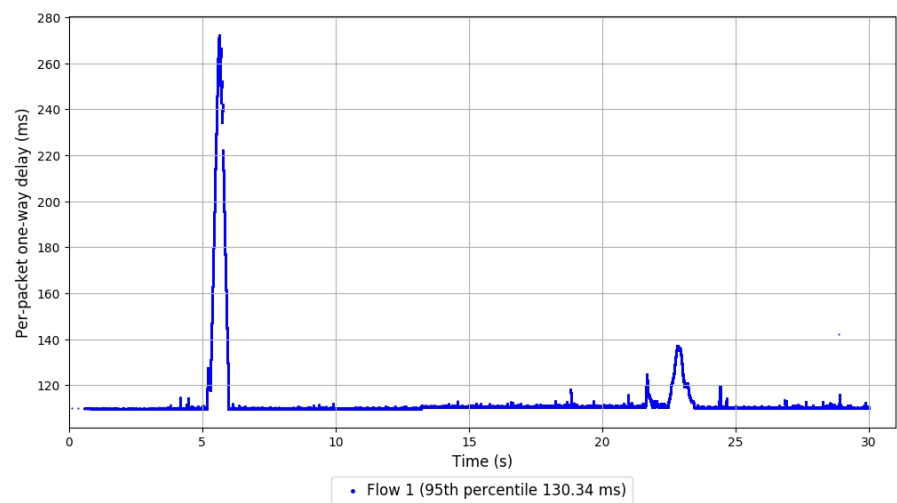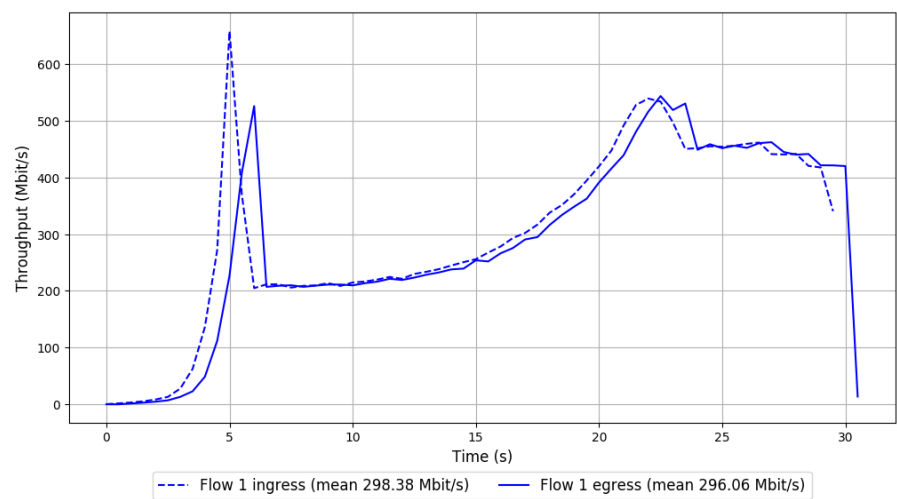
Run 9: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 298.38 Mbit/s) ——— Flow 1 egress (mean 296.06 Mbit/s)

• Flow 1 (95th percentile 130.34 ms)

```
Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 02:24:01
End at: 2018-08-01 02:24:31
Local clock offset: 0.511 ms
Remote clock offset: 1.052 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 393.90 Mbit/s
95th percentile per-packet one-way delay: 151.212 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 393.90 Mbit/s
95th percentile per-packet one-way delay: 151.212 ms
Loss rate: 0.16%
```
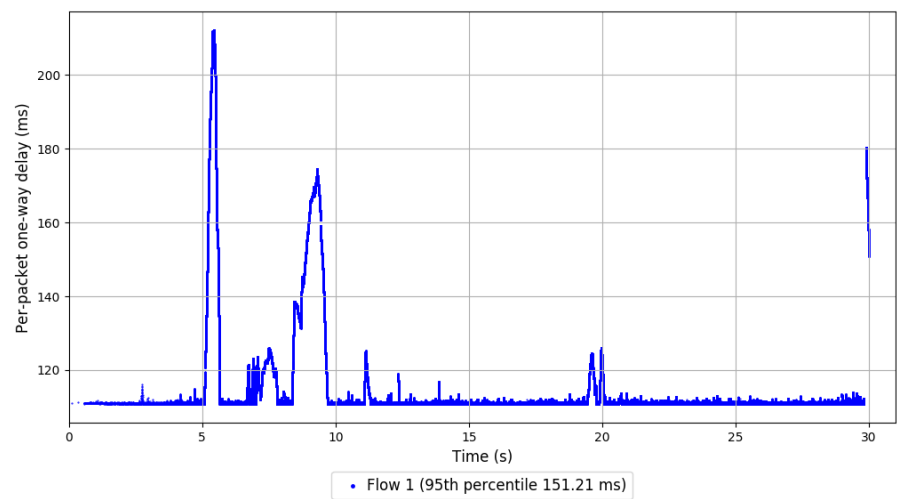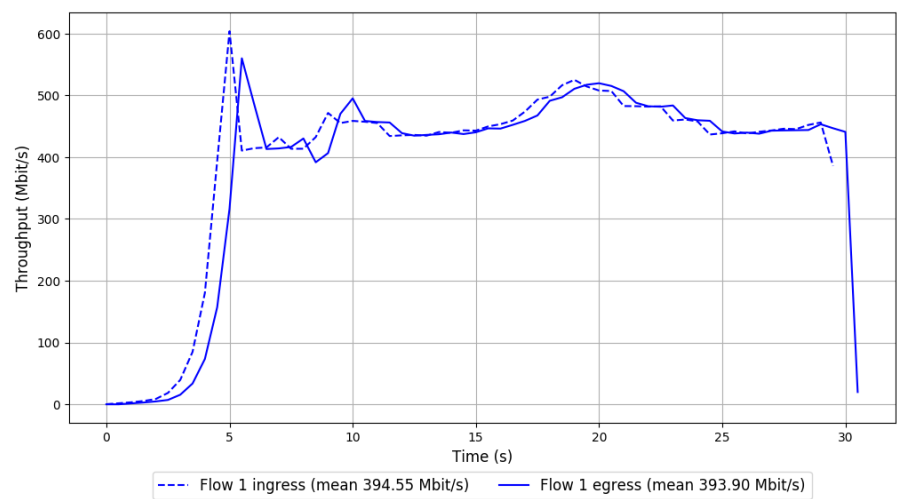
Run 10: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 394.55 Mbit/s) --- Flow 1 egress (mean 393.90 Mbit/s)

Flow 1 (95th percentile 151.21 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2018-07-31 23:02:23
End at: 2018-07-31 23:02:53
Local clock offset: 7.972 ms
Remote clock offset: 8.451 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 113.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 113.034 ms
Loss rate: 0.00%
```
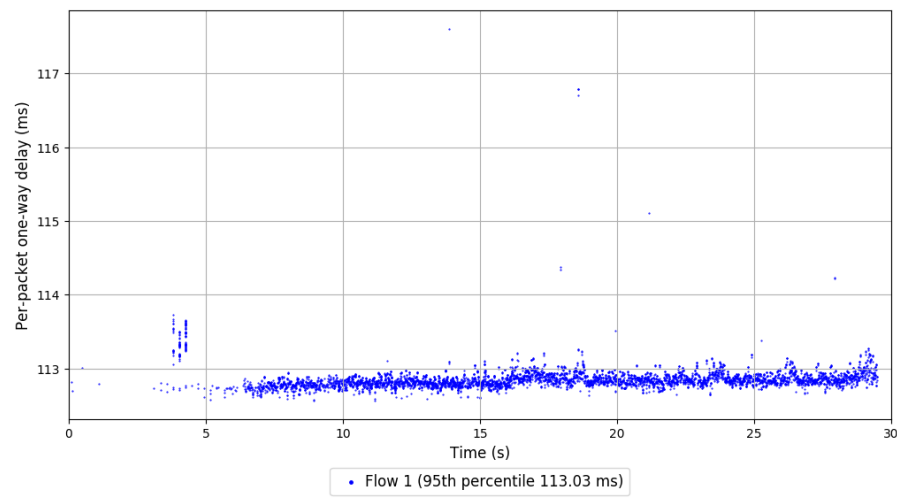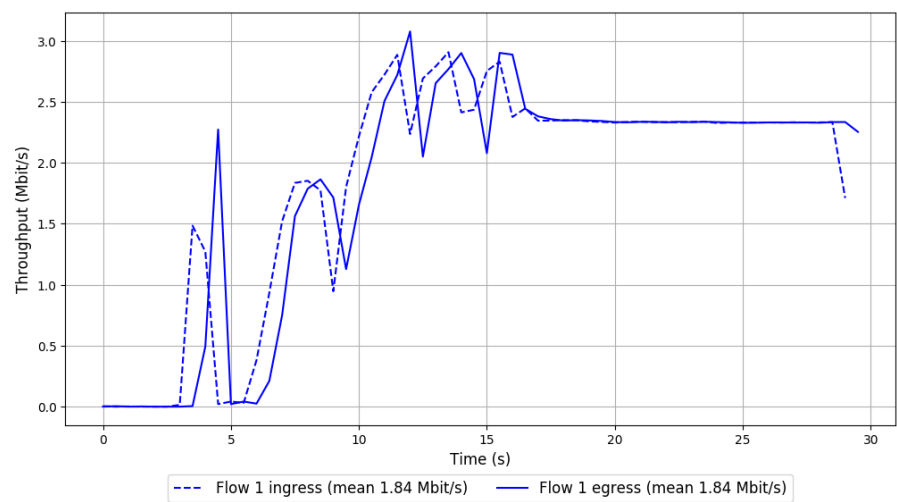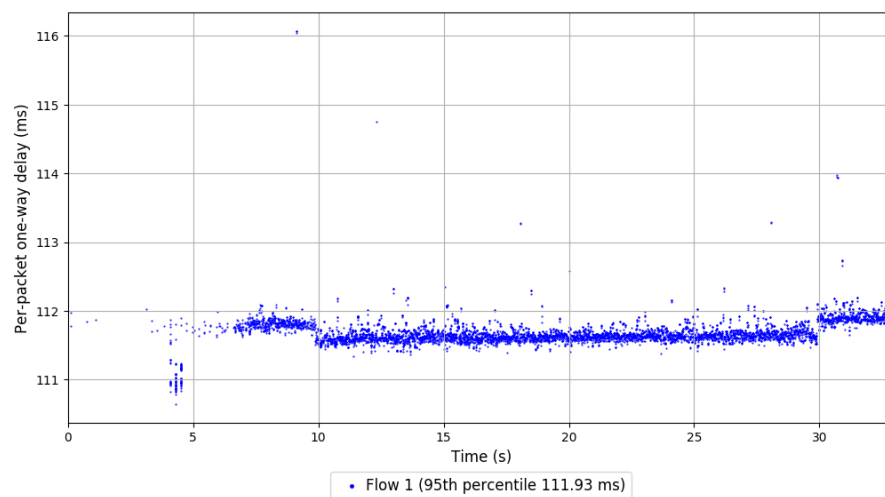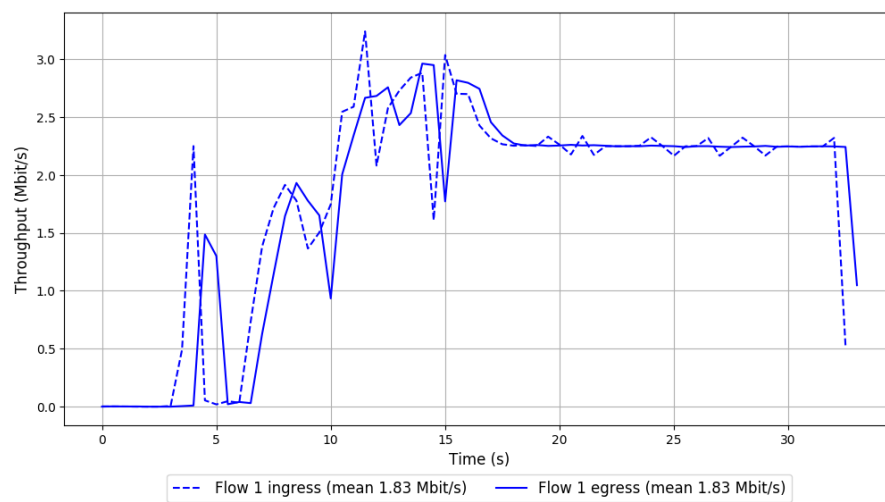
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-07-31 23:25:11
End at: 2018-07-31 23:25:41
Local clock offset: 26.091 ms
Remote clock offset: 23.687 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 111.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 111.932 ms
Loss rate: 0.00%
```
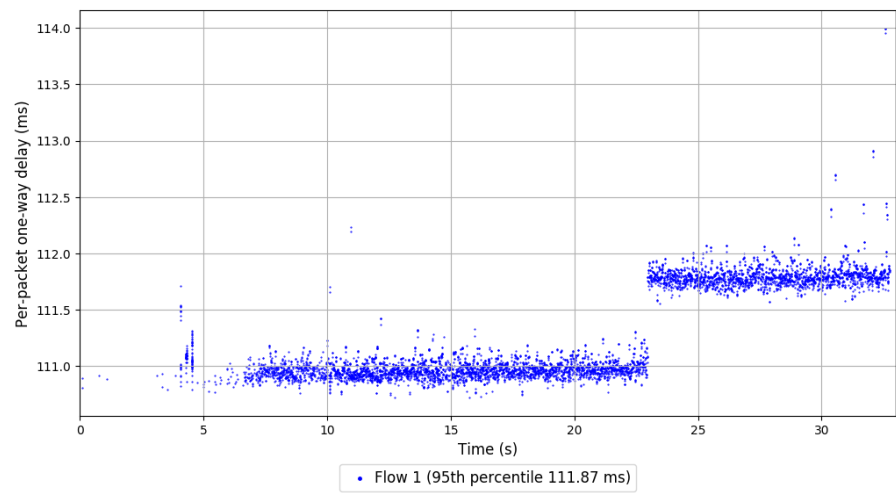
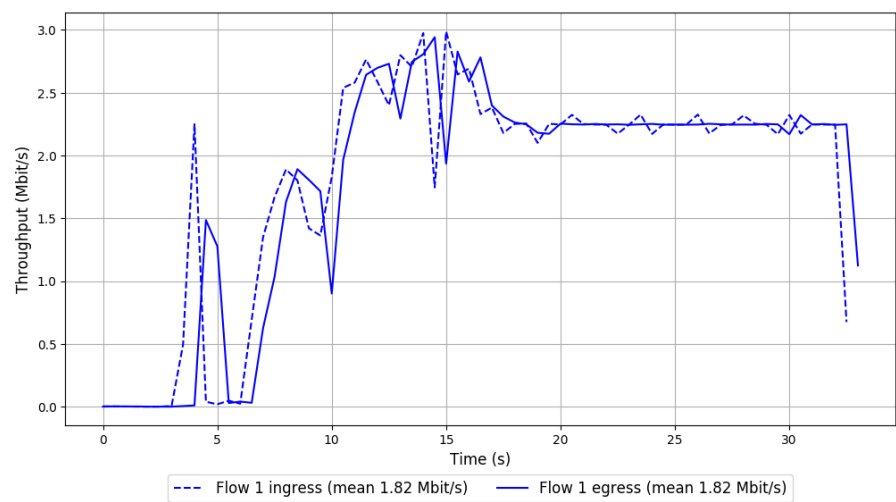Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-07-31 23:47:58
End at: 2018-07-31 23:48:28
Local clock offset: 27.974 ms
Remote clock offset: 25.347 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 111.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 111.866 ms
Loss rate: 0.00%
```
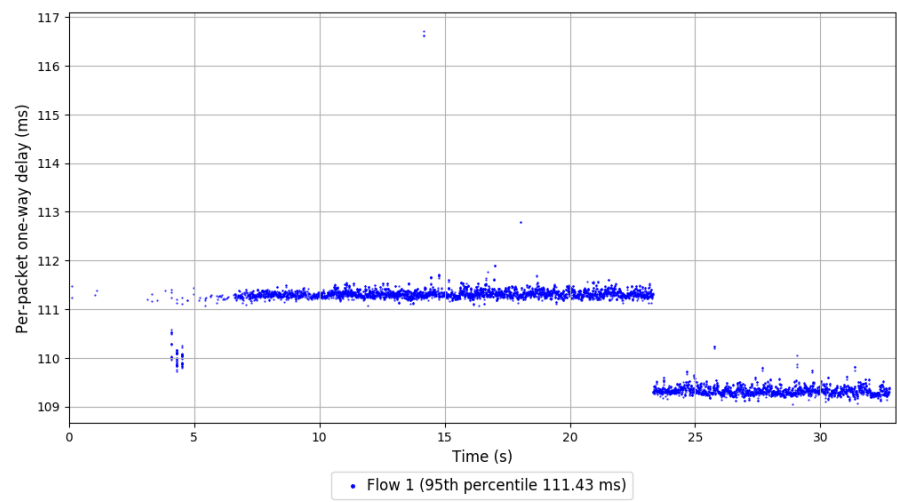
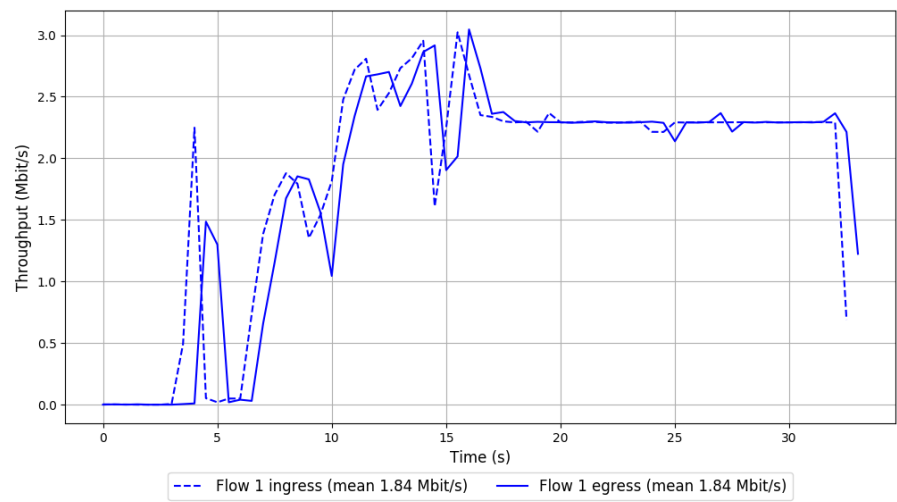Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-08-01 00:10:39
End at: 2018-08-01 00:11:09
Local clock offset: 18.626 ms
Remote clock offset: 16.543 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 111.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 111.431 ms
Loss rate: 0.00%
```
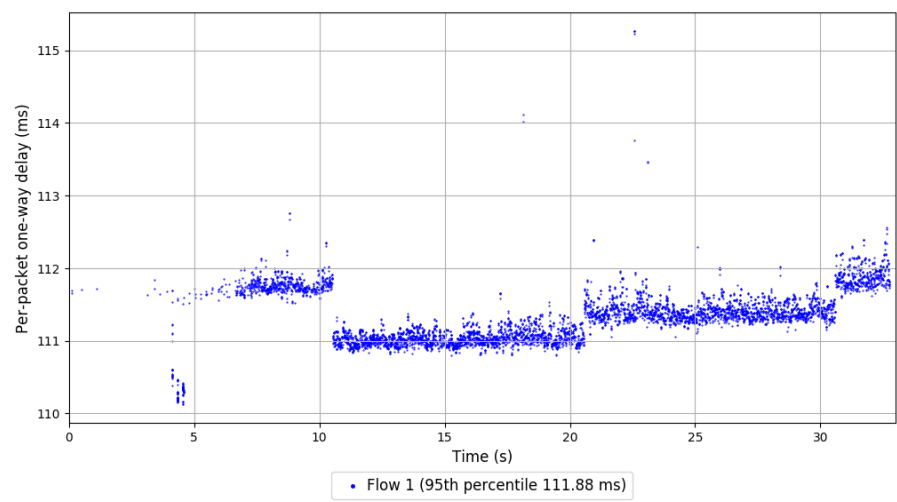
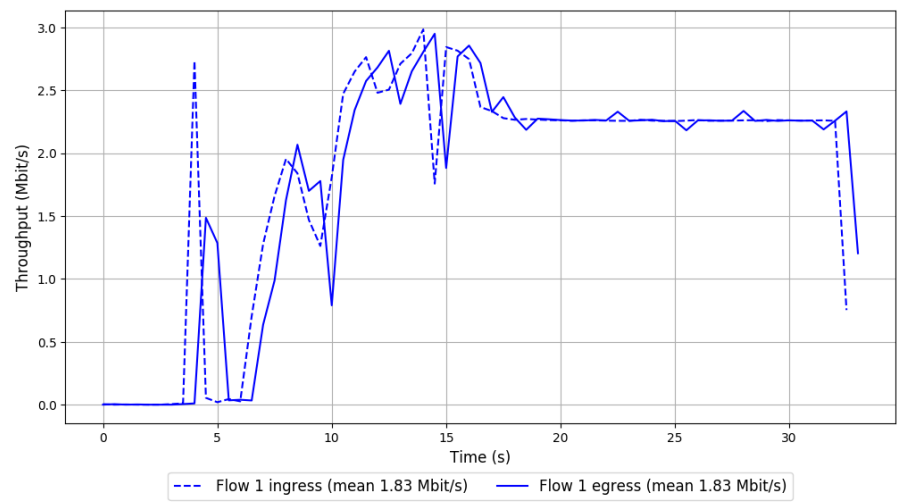Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2018-08-01 00:33:02
End at: 2018-08-01 00:33:32
Local clock offset: 20.159 ms
Remote clock offset: 18.262 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 111.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 111.883 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2018-08-01 00:55:53
End at: 2018-08-01 00:56:23
Local clock offset: 6.671 ms
Remote clock offset: 6.938 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 112.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 112.302 ms
Loss rate: 0.00%
```
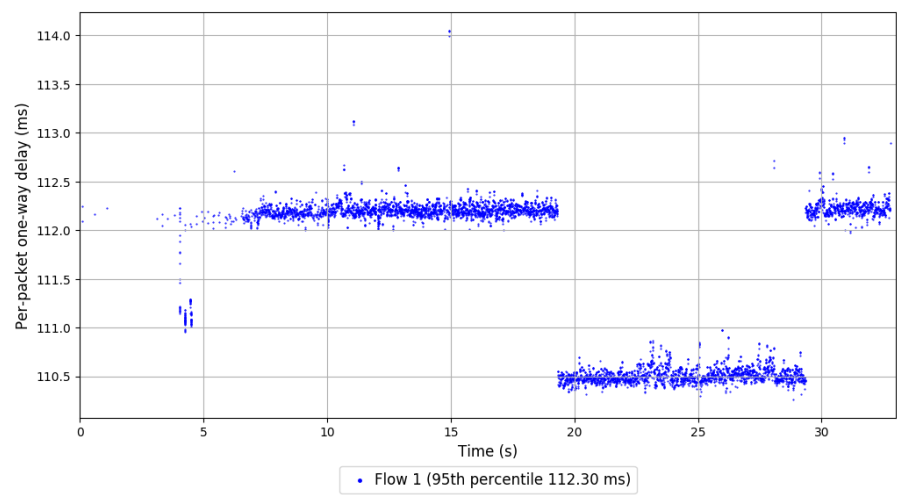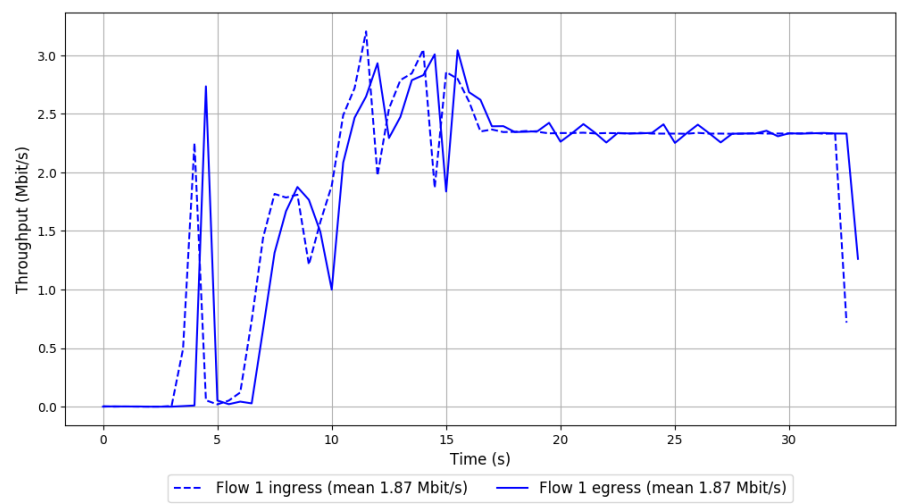
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-08-01 01:18:48
End at: 2018-08-01 01:19:18
Local clock offset: 4.18 ms
Remote clock offset: 3.601 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 111.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 111.895 ms
Loss rate: 0.00%
```
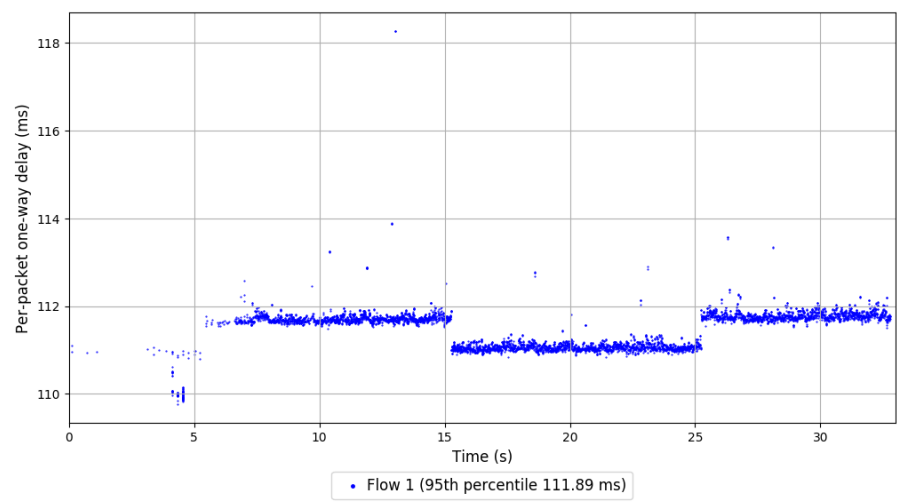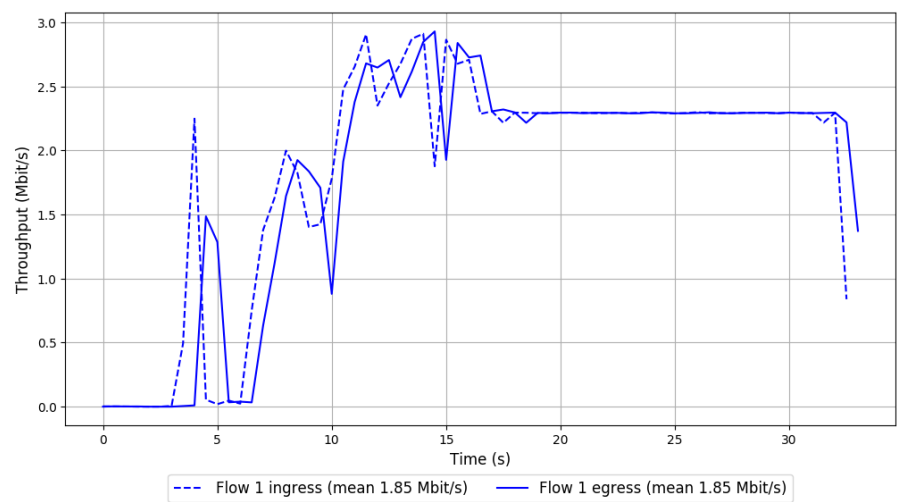
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-08-01 01:41:41
End at: 2018-08-01 01:42:11
Local clock offset: 4.691 ms
Remote clock offset: 1.891 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 111.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 111.762 ms
Loss rate: 0.00%
```
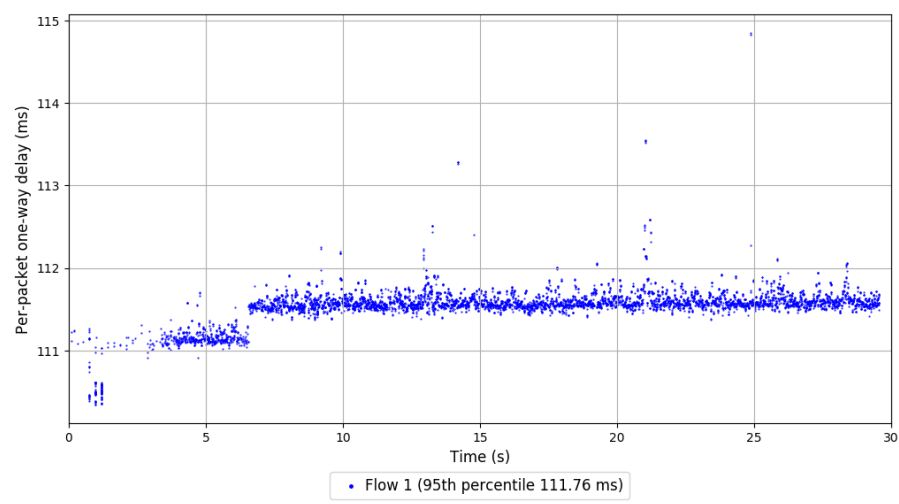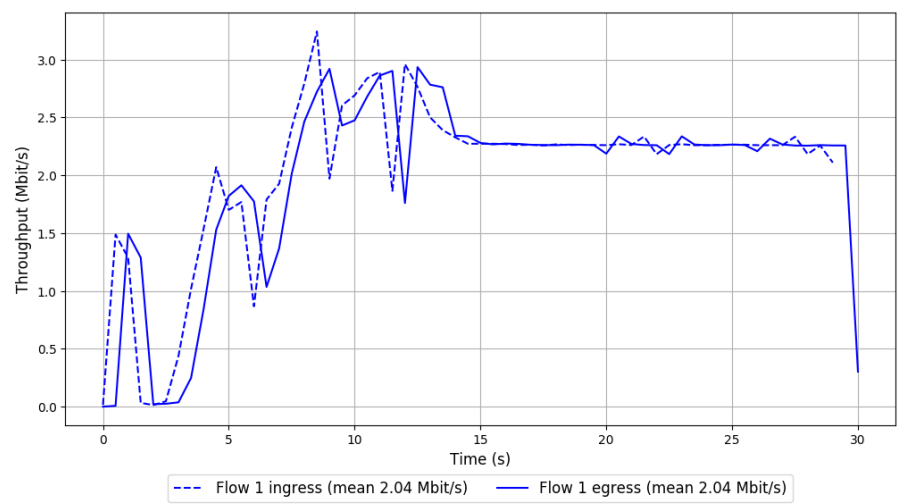
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-08-01 02:04:14
End at: 2018-08-01 02:04:44
Local clock offset: 1.063 ms
Remote clock offset: 1.069 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 111.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 111.545 ms
Loss rate: 0.00%
```
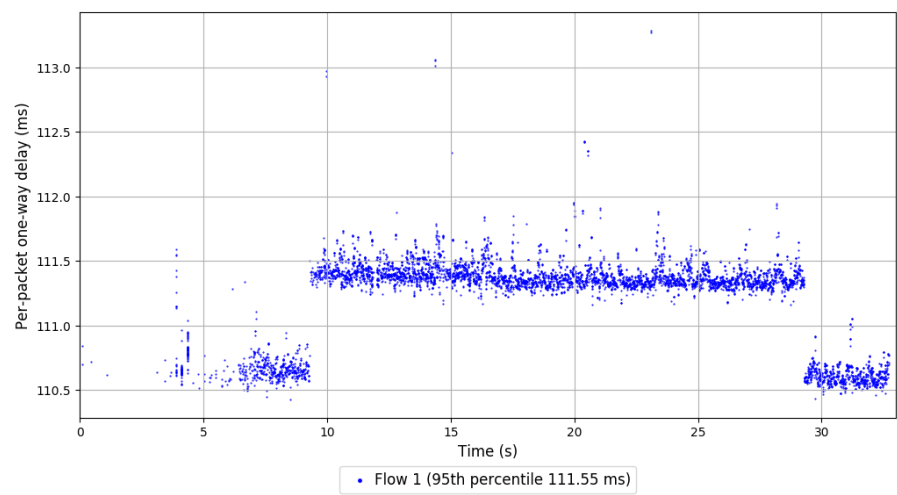
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.85 Mbit/s) --- Flow 1 egress (mean 1.85 Mbit/s)

Flow 1 (95th percentile 111.55 ms)

```
Run 10: Statistics of WebRTC media

Start at: 2018-08-01 02:27:16
End at: 2018-08-01 02:27:46
Local clock offset: 0.553 ms
Remote clock offset: 1.169 ms


# Below is generated by plot.py at 2018-08-01 04:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 111.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 111.254 ms
Loss rate: 0.00%
```
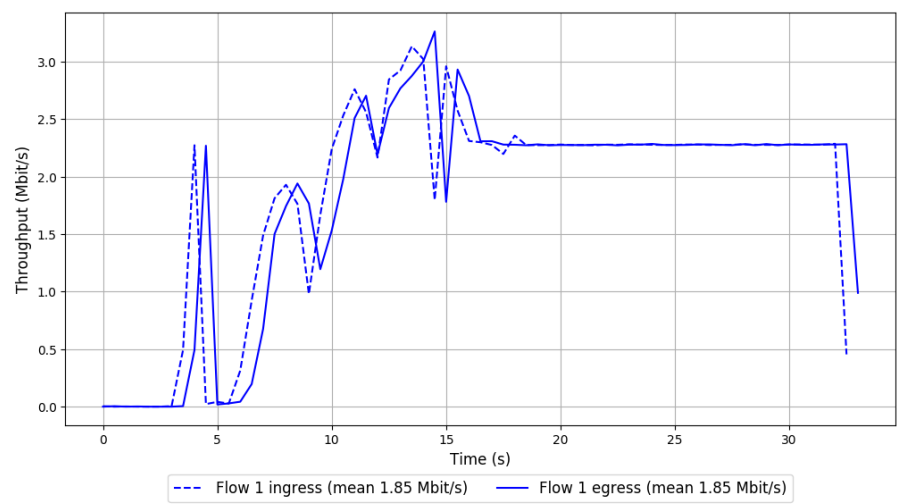
Run 10: Report of WebRTC media — Data Link