Pantheon Report
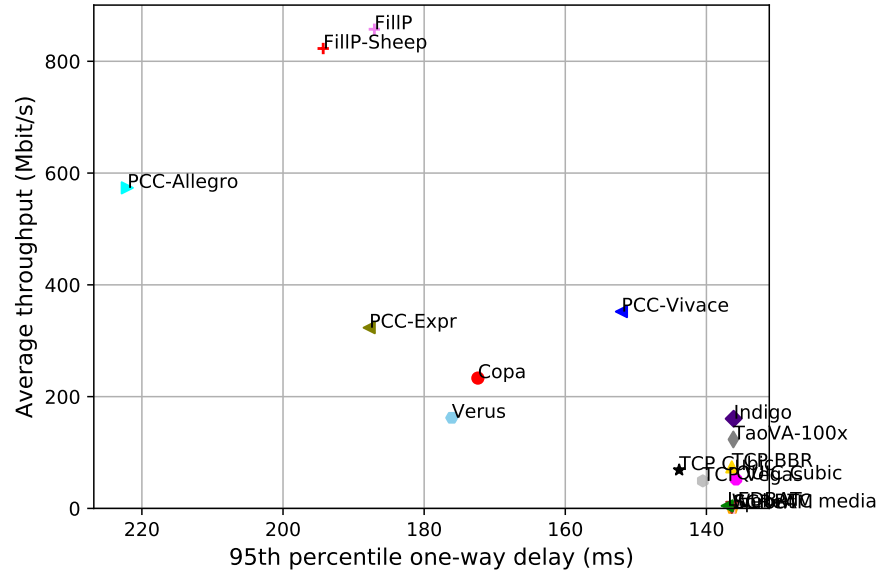
Generated at 2018-08-02 19:59:02 (UTC).

Data path: GCE London Ethernet (*remote*) →GCE Sydney Ethernet (*local*).

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).

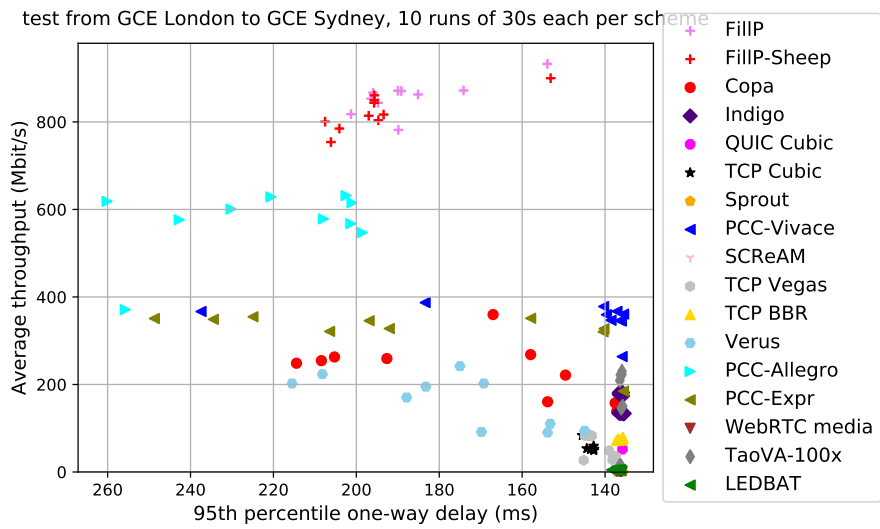NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

```
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 London to GCE Sydney, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from GCE London to GCE Sydney, 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	74.30	136.40	0.98
Copa	10	233.16	172.39	1.06
TCP Cubic	10	68.67	143.86	1.22
FillP	10	857.31	187.06	1.74
FillP-Sheep	10	822.86	194.31	3.80
Indigo	10	160.48	136.15	0.95
LEDBAT	10	4.66	137.06	1.86
PCC-Allegro	10	573.54	222.07	3.19
PCC-Expr	10	323.33	187.79	1.38
QUIC Cubic	1	52.09	135.80	1.35
SCReAM	10	0.22	136.10	0.84
Sprout	10	0.17	136.32	0.71
TaoVA-100x	10	123.35	136.19	1.01
TCP Vegas	10	49.26	140.51	0.97
Verus	10	162.14	176.09	1.24
PCC-Vivace	10	352.11	152.04	1.13
WebRTC media	10	1.77	136.40	1.07

```
Run 1: Statistics of TCP BBR

Start at: 2018-08-02 14:42:50
End at: 2018-08-02 14:43:20
Local clock offset: -0.258 ms
Remote clock offset: 0.202 ms


# Below is generated by plot.py at 2018-08-02 18:24:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 136.625 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 136.625 ms
Loss rate: 0.96%
```
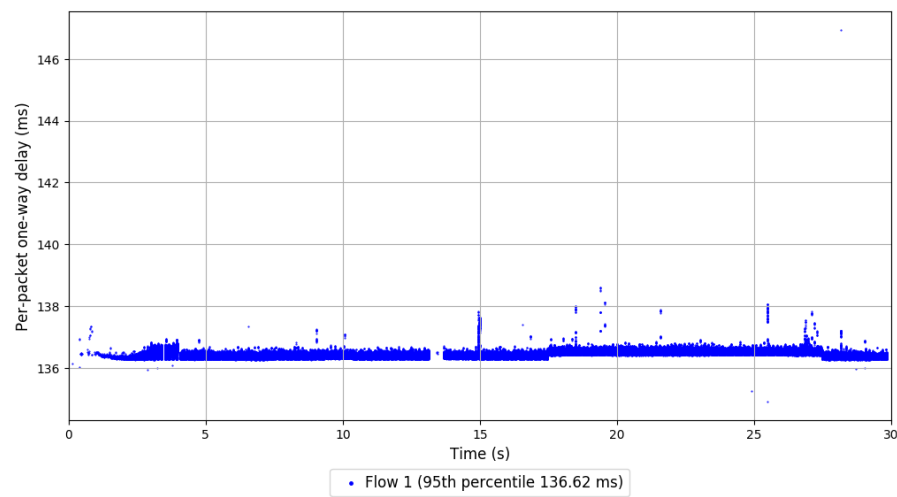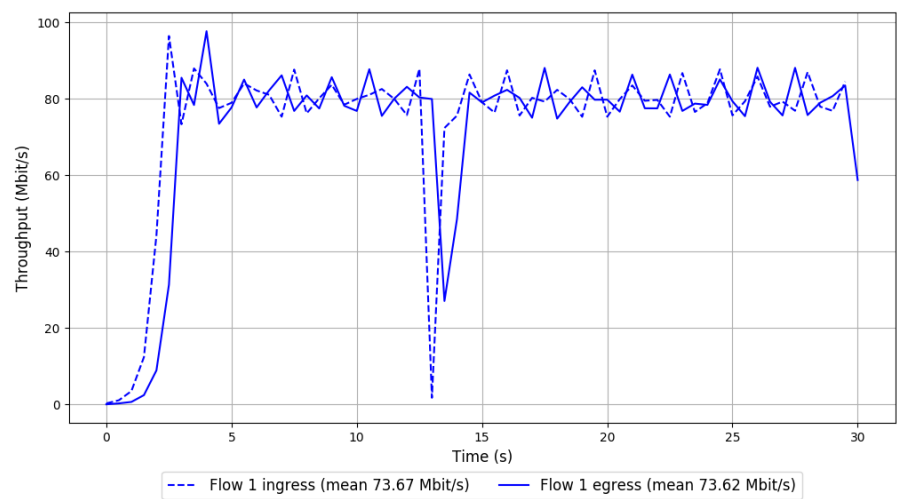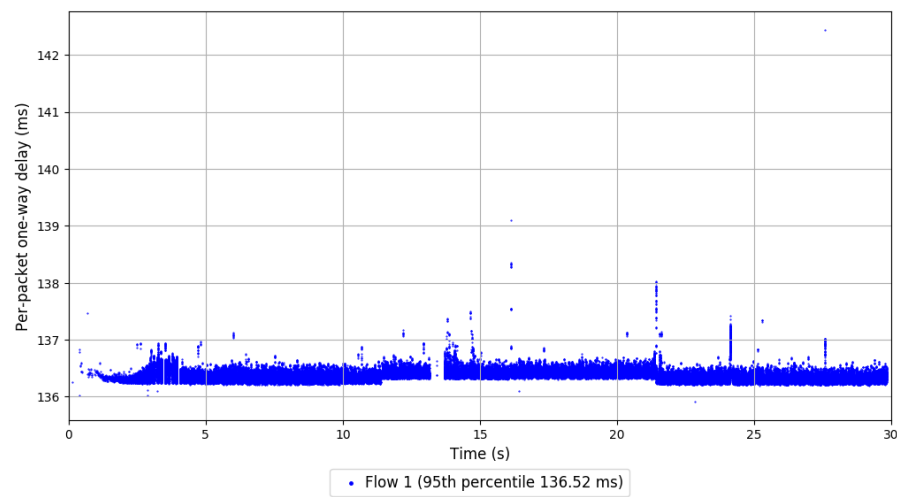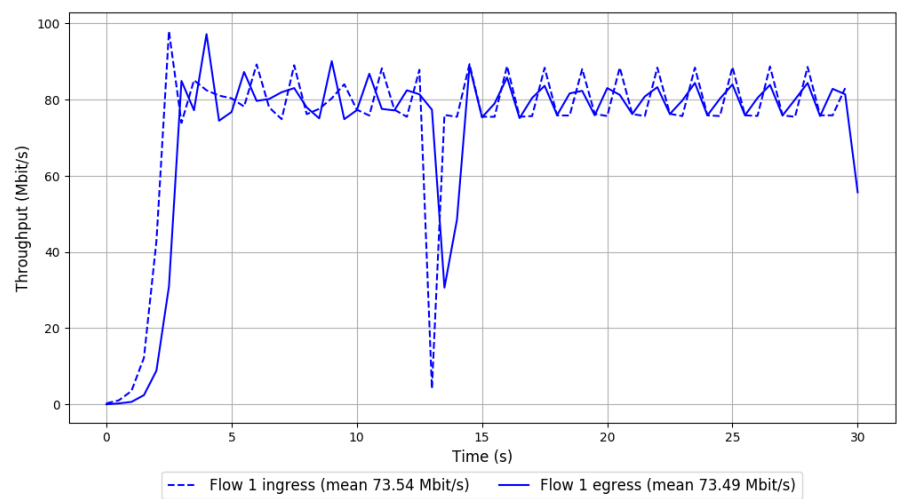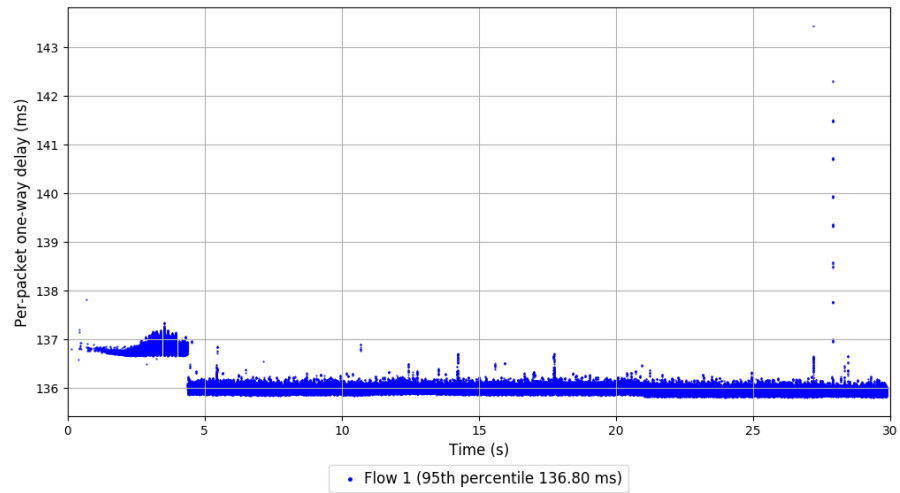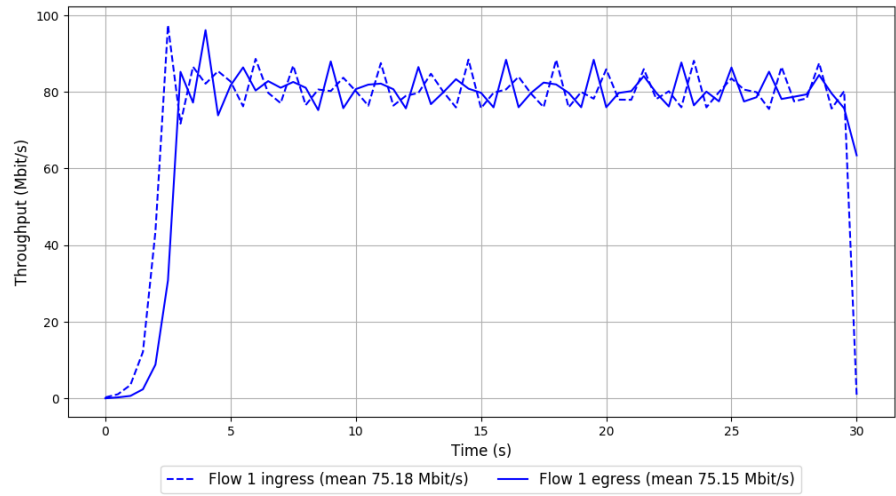
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 73.67 Mbit/s) — — — Flow 1 egress (mean 73.62 Mbit/s)

• Flow 1 (95th percentile 136.62 ms)

```
Run 2: Statistics of TCP BBR

Start at: 2018-08-02 15:05:46
End at: 2018-08-02 15:06:16
Local clock offset: -0.603 ms
Remote clock offset: 0.298 ms


# Below is generated by plot.py at 2018-08-02 18:24:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.49 Mbit/s
95th percentile per-packet one-way delay: 136.517 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 73.49 Mbit/s
95th percentile per-packet one-way delay: 136.517 ms
Loss rate: 0.96%
```

Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 73.54 Mbit/s) --- Flow 1 egress (mean 73.49 Mbit/s)

Flow 1 (95th percentile 136.52 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-08-02 15:29:07
End at: 2018-08-02 15:29:37
Local clock offset: -0.386 ms
Remote clock offset: -0.068 ms


# Below is generated by plot.py at 2018-08-02 18:24:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 136.797 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 136.797 ms
Loss rate: 0.94%
```
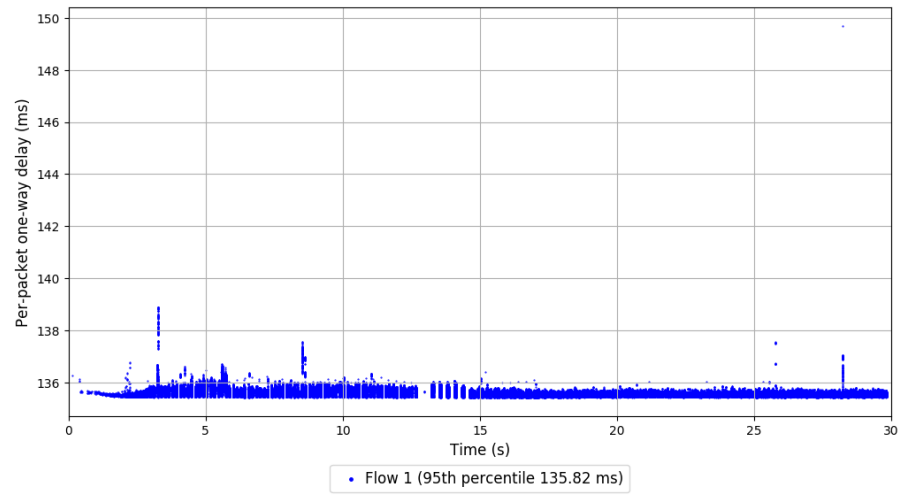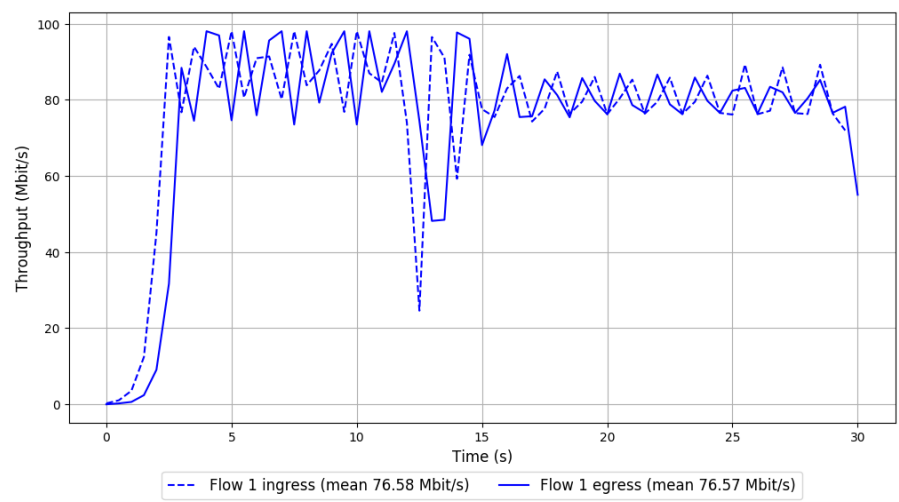
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 75.18 Mbit/s)   Flow 1 egress (mean 75.15 Mbit/s)

Flow 1 (95th percentile 136.80 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-08-02 15:52:44
End at: 2018-08-02 15:53:14
Local clock offset: -0.104 ms
Remote clock offset: 0.094 ms


# Below is generated by plot.py at 2018-08-02 18:24:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 135.823 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 135.823 ms
Loss rate: 0.93%
```
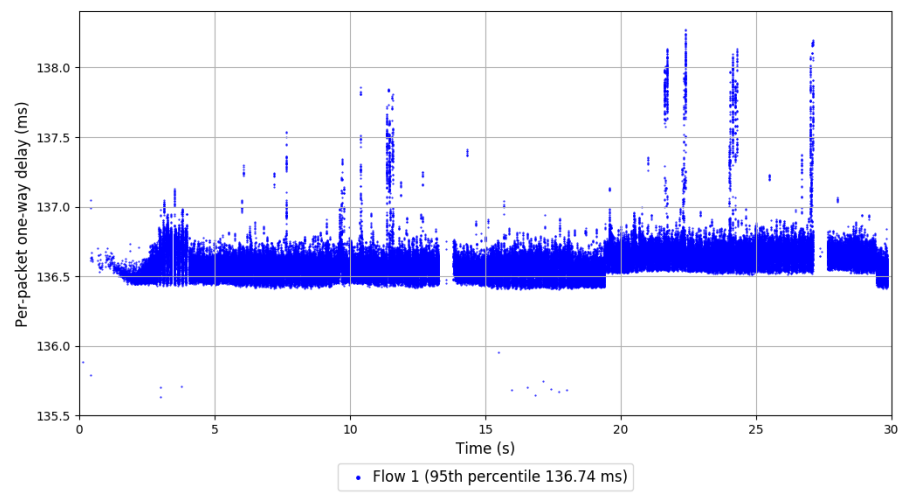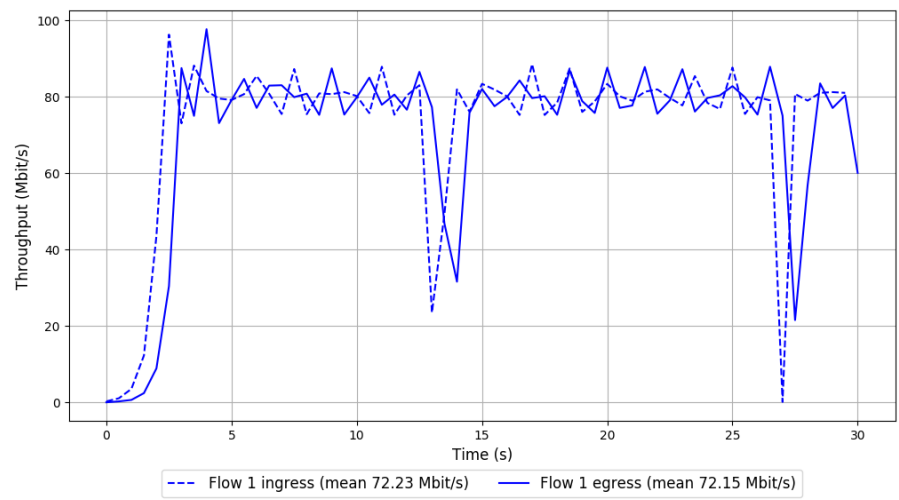
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 76.58 Mbit/s) — — — Flow 1 egress (mean 76.57 Mbit/s)

Flow 1 (95th percentile 135.82 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-08-02 16:15:58
End at: 2018-08-02 16:16:28
Local clock offset: 0.053 ms
Remote clock offset: 0.07 ms


# Below is generated by plot.py at 2018-08-02 18:24:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 136.742 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 136.742 ms
Loss rate: 1.04%
```
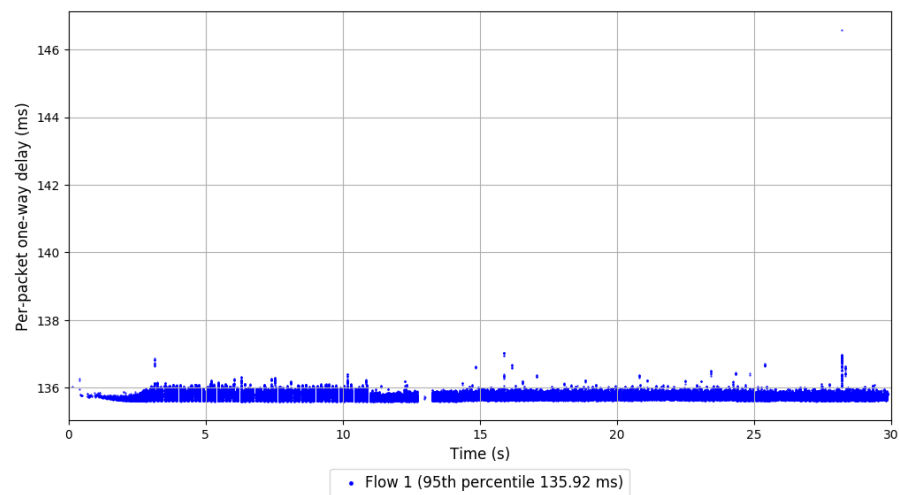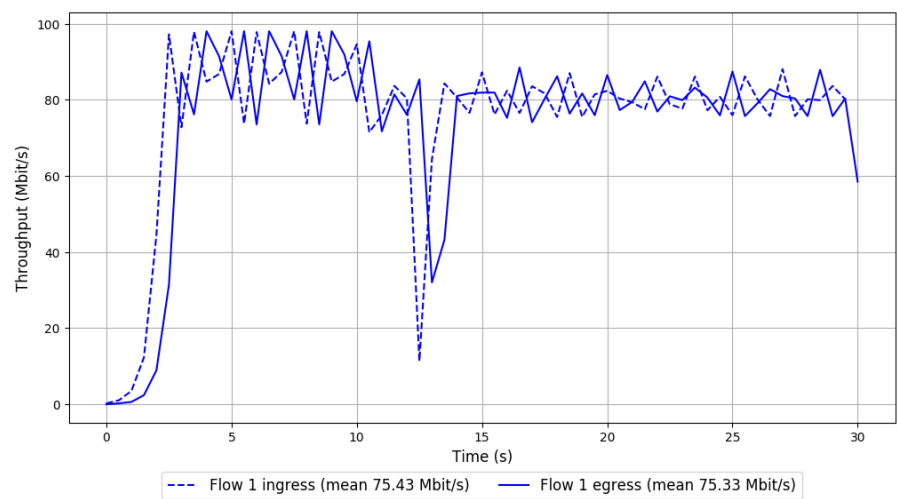
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 72.23 Mbit/s)   Flow 1 egress (mean 72.15 Mbit/s)

Flow 1 (95th percentile 136.74 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: 2018-08-02 16:39:03
End at: 2018-08-02 16:39:33
Local clock offset: 0.042 ms
Remote clock offset: 0.057 ms


# Below is generated by plot.py at 2018-08-02 18:24:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 135.919 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 135.919 ms
Loss rate: 1.03%
```
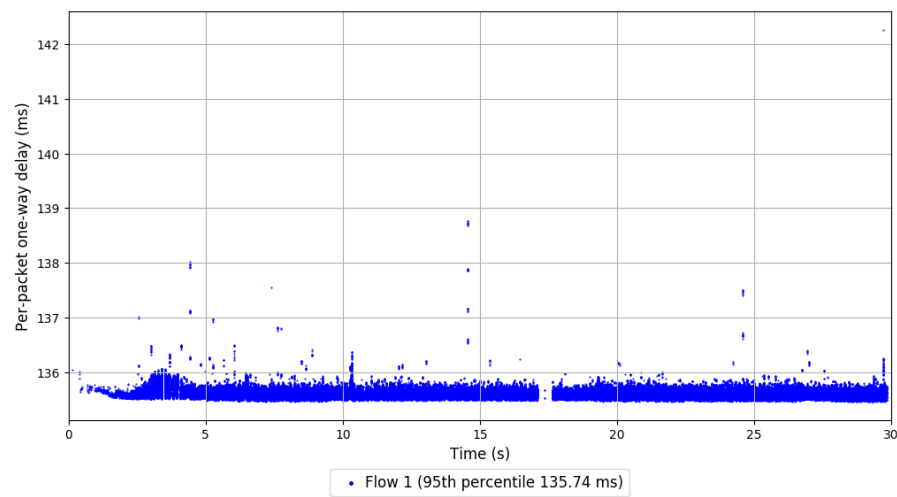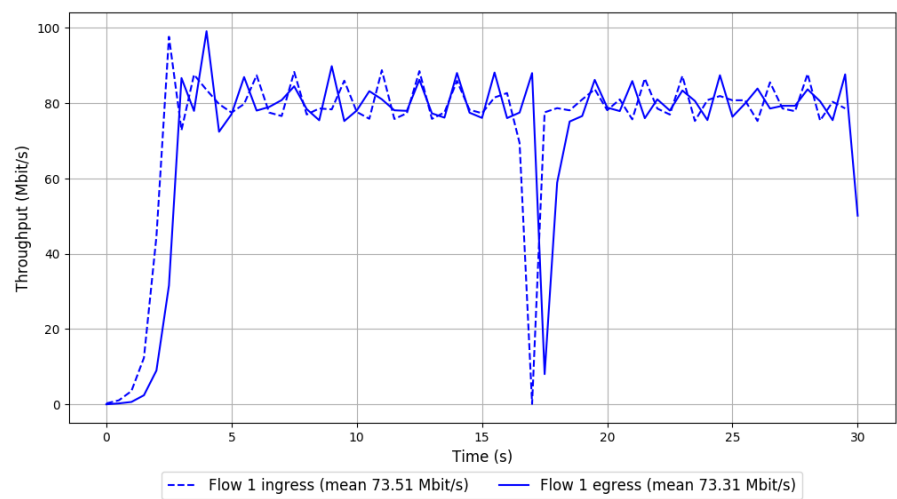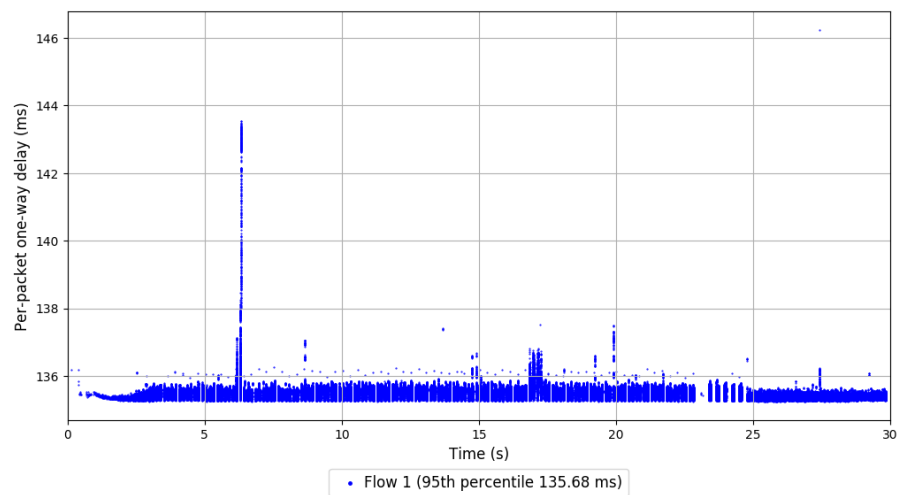
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 75.43 Mbit/s) —— Flow 1 egress (mean 75.33 Mbit/s)

• Flow 1 (95th percentile 135.92 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-08-02 17:02:13
End at: 2018-08-02 17:02:43
Local clock offset: -0.093 ms
Remote clock offset: 0.039 ms


# Below is generated by plot.py at 2018-08-02 18:24:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 135.739 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 135.739 ms
Loss rate: 1.04%
```
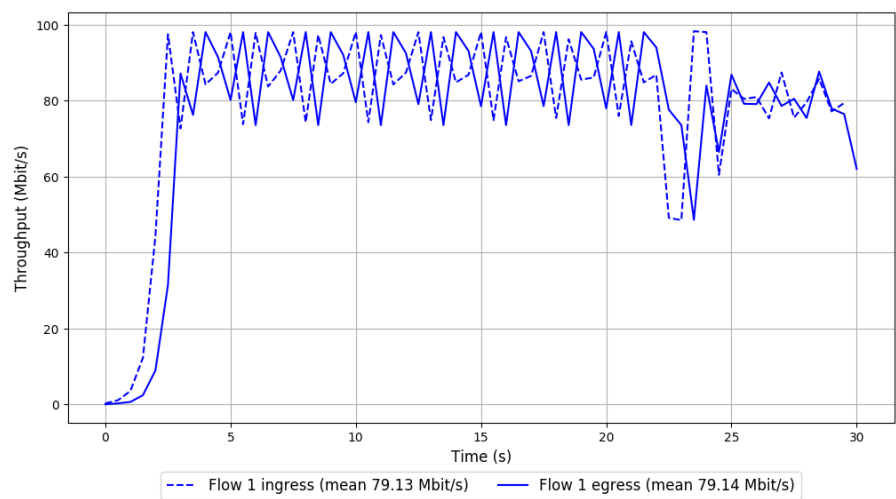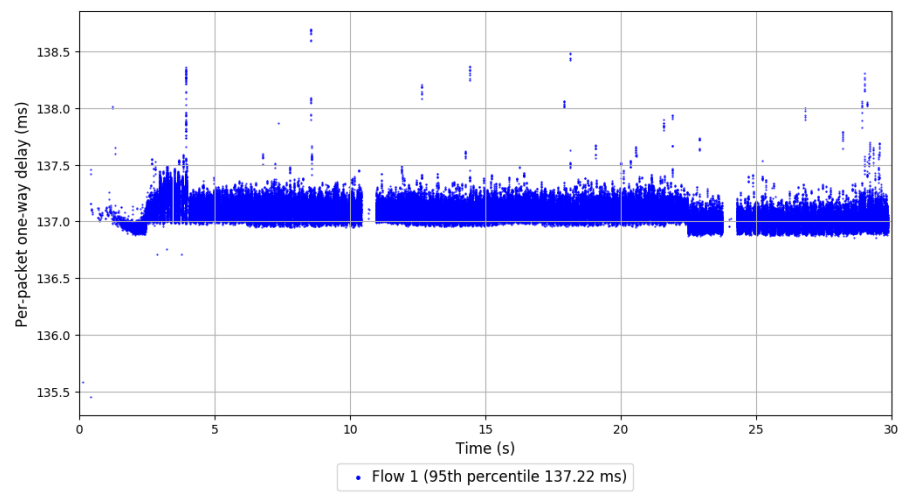
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 73.51 Mbit/s) ----- Flow 1 egress (mean 73.31 Mbit/s)

• Flow 1 (95th percentile 135.74 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2018-08-02 17:25:49
End at: 2018-08-02 17:26:19
Local clock offset: 0.031 ms
Remote clock offset: 0.423 ms


# Below is generated by plot.py at 2018-08-02 18:25:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.14 Mbit/s
95th percentile per-packet one-way delay: 135.682 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 79.14 Mbit/s
95th percentile per-packet one-way delay: 135.682 ms
Loss rate: 0.90%
```
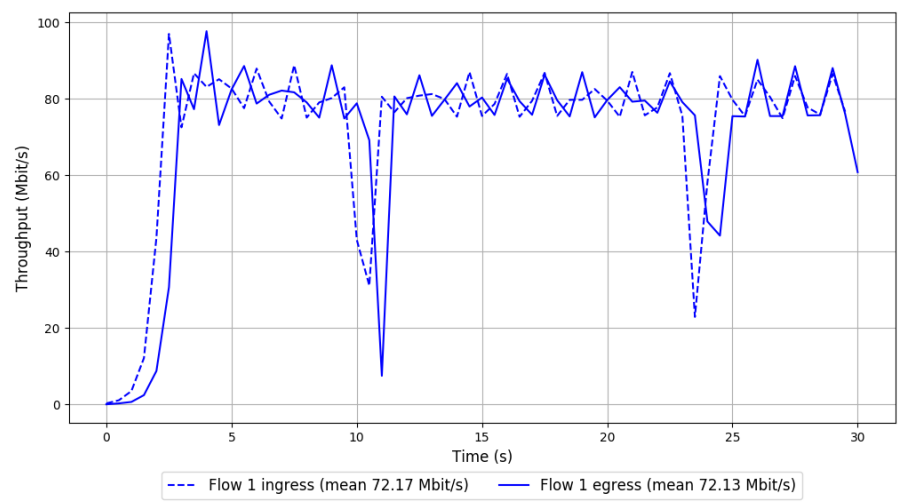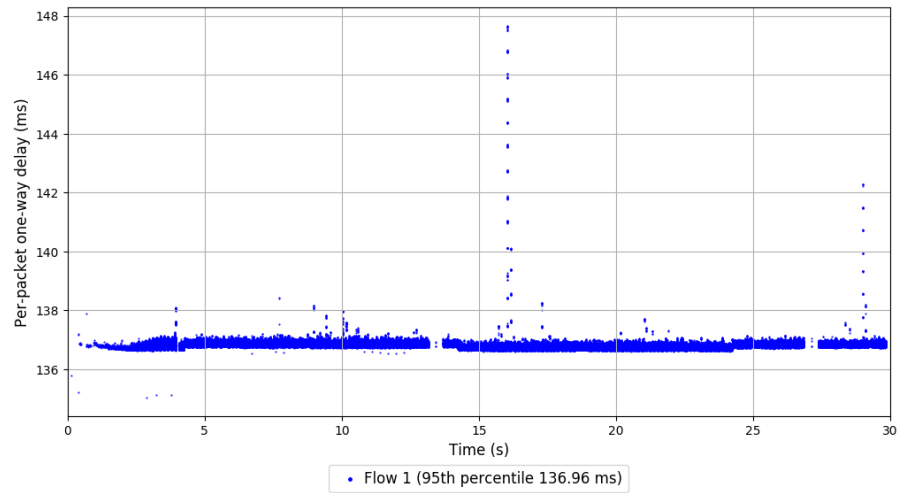
Run 8: Report of TCP BBR — Data Link

```
Run 9: Statistics of TCP BBR

Start at: 2018-08-02 17:48:55
End at: 2018-08-02 17:49:25
Local clock offset: 0.138 ms
Remote clock offset: -0.265 ms


# Below is generated by plot.py at 2018-08-02 18:25:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 137.223 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 137.223 ms
Loss rate: 0.96%
```
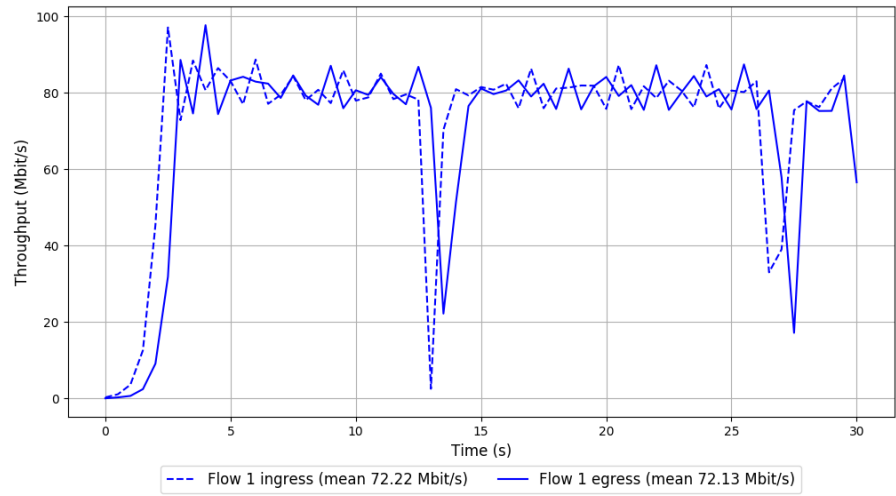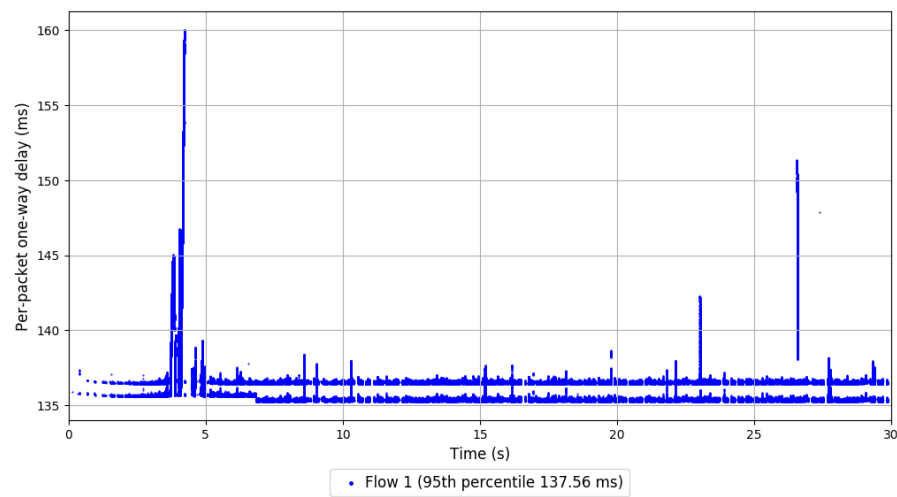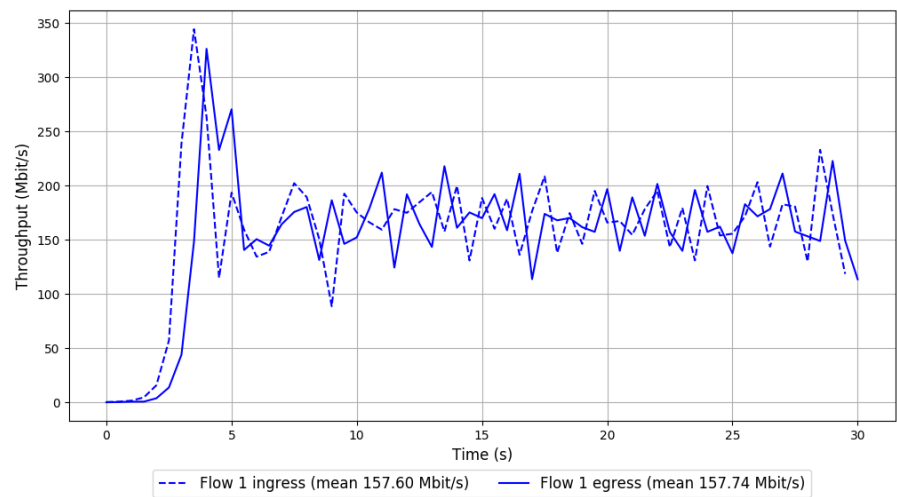
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 72.17 Mbit/s)　　Flow 1 egress (mean 72.13 Mbit/s)

Flow 1 (95th percentile 137.22 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-08-02 18:12:03
End at: 2018-08-02 18:12:33
Local clock offset: 0.269 ms
Remote clock offset: 0.081 ms


# Below is generated by plot.py at 2018-08-02 18:25:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 136.959 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 136.959 ms
Loss rate: 1.08%
```
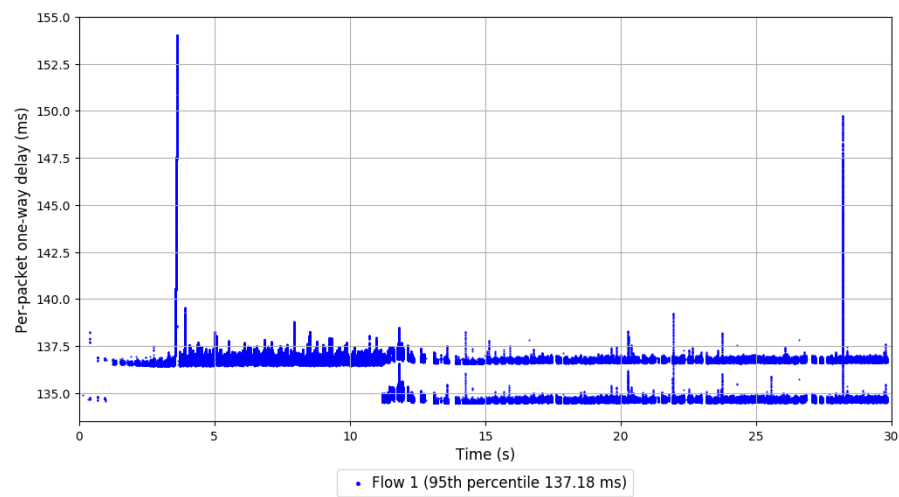
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-08-02 14:36:31
End at: 2018-08-02 14:37:01
Local clock offset: -0.482 ms
Remote clock offset: -0.252 ms


# Below is generated by plot.py at 2018-08-02 18:29:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.74 Mbit/s
95th percentile per-packet one-way delay: 137.555 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 157.74 Mbit/s
95th percentile per-packet one-way delay: 137.555 ms
Loss rate: 0.82%
```
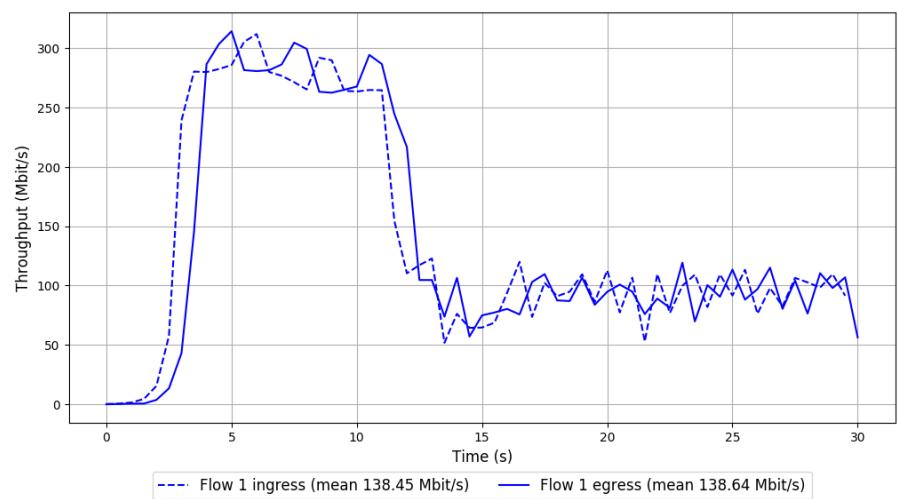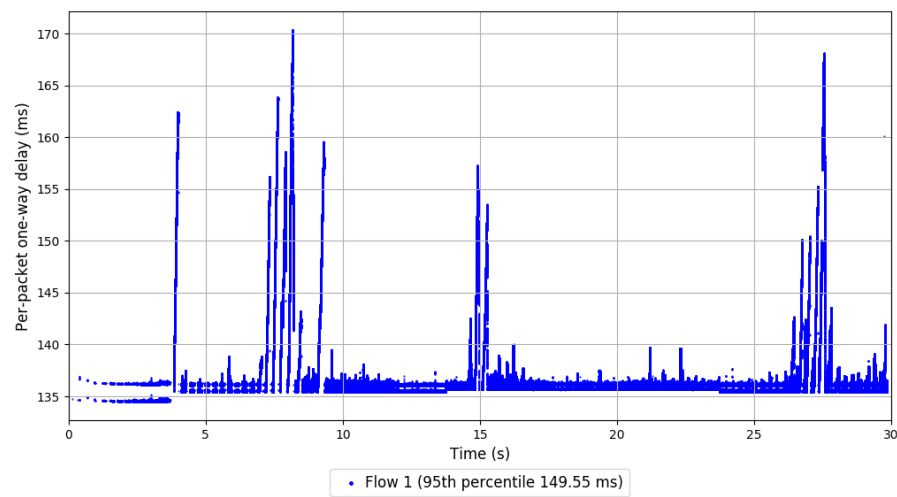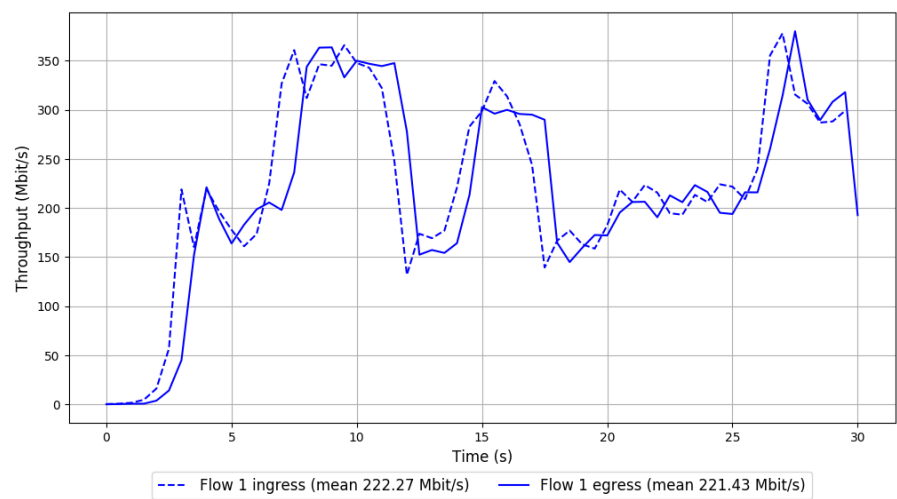
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 157.60 Mbit/s) — — — Flow 1 egress (mean 157.74 Mbit/s)

· Flow 1 (95th percentile 137.56 ms)

Run 2: Statistics of Copa

Start at: 2018-08-02 14:59:36
End at: 2018-08-02 15:00:06
Local clock offset: -0.301 ms
Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-08-02 18:29:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.64 Mbit/s
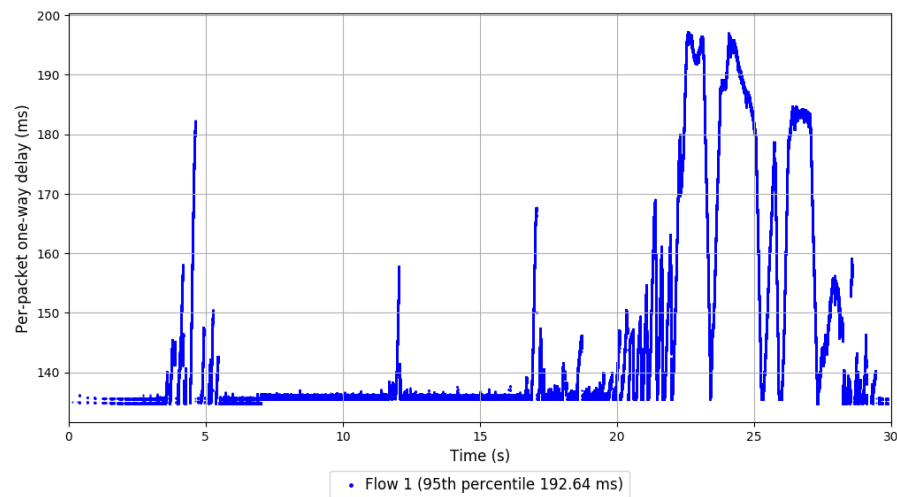95th percentile per-packet one-way delay: 137.175 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 138.64 Mbit/s
95th percentile per-packet one-way delay: 137.175 ms
Loss rate: 0.76%

Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-08-02 15:22:44
End at: 2018-08-02 15:23:14
Local clock offset: -0.445 ms
Remote clock offset: 0.773 ms


# Below is generated by plot.py at 2018-08-02 18:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.43 Mbit/s
95th percentile per-packet one-way delay: 149.552 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 221.43 Mbit/s
95th percentile per-packet one-way delay: 149.552 ms
Loss rate: 1.27%
```
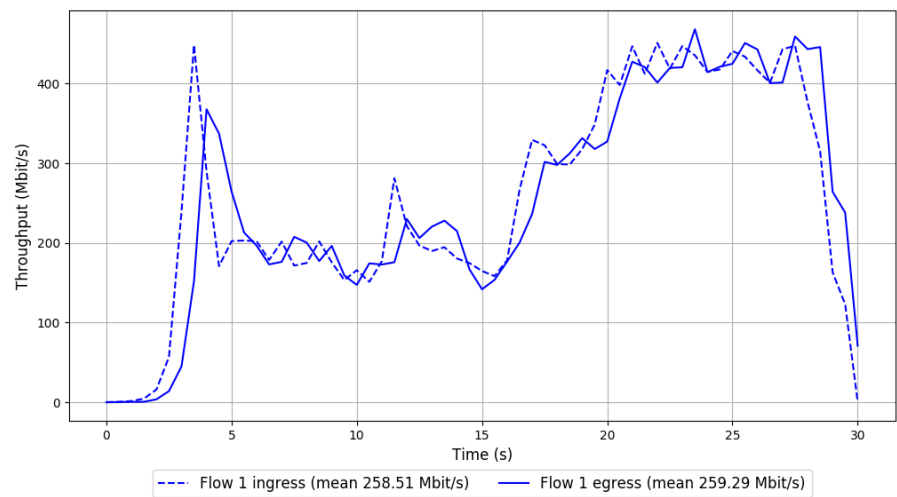
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 222.27 Mbit/s)   Flow 1 egress (mean 221.43 Mbit/s)

Flow 1 (95th percentile 149.55 ms)

```
Run 4: Statistics of Copa

Start at: 2018-08-02 15:46:11
End at: 2018-08-02 15:46:41
Local clock offset: -0.031 ms
Remote clock offset: 0.145 ms


# Below is generated by plot.py at 2018-08-02 18:31:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.29 Mbit/s
95th percentile per-packet one-way delay: 192.638 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 259.29 Mbit/s
95th percentile per-packet one-way delay: 192.638 ms
Loss rate: 0.61%
```
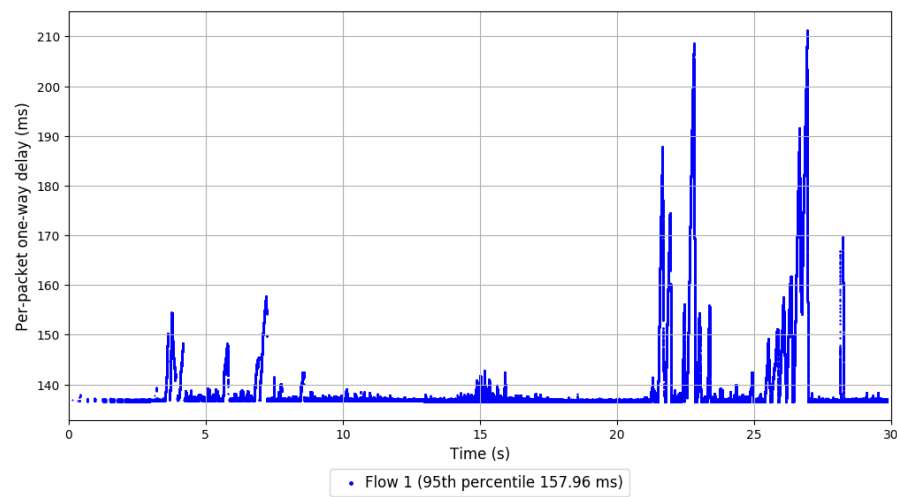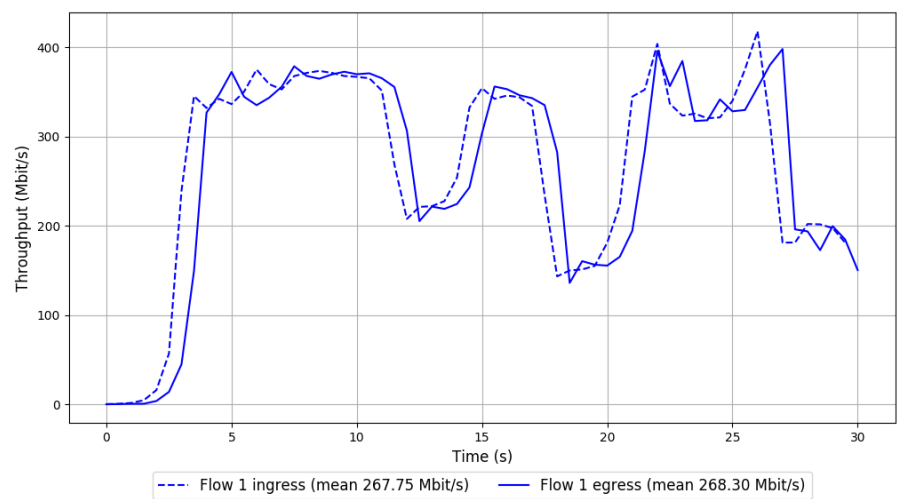
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2018-08-02 16:09:25
End at: 2018-08-02 16:09:55
Local clock offset: 0.066 ms
Remote clock offset: -0.32 ms


# Below is generated by plot.py at 2018-08-02 18:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 268.30 Mbit/s
95th percentile per-packet one-way delay: 157.959 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 268.30 Mbit/s
95th percentile per-packet one-way delay: 157.959 ms
Loss rate: 0.71%
```
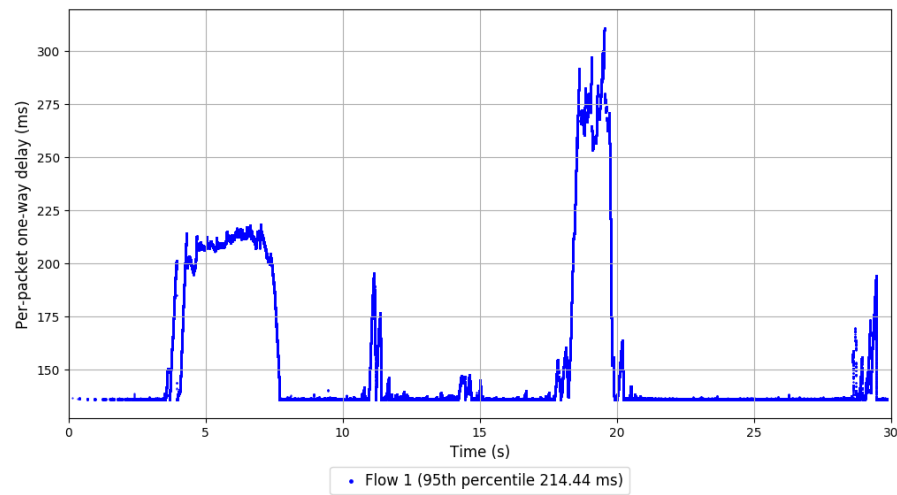
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-08-02 16:32:38
End at: 2018-08-02 16:33:08
Local clock offset: 0.151 ms
Remote clock offset: 0.029 ms


# Below is generated by plot.py at 2018-08-02 18:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.56 Mbit/s
95th percentile per-packet one-way delay: 214.436 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 248.56 Mbit/s
95th percentile per-packet one-way delay: 214.436 ms
Loss rate: 1.95%
```
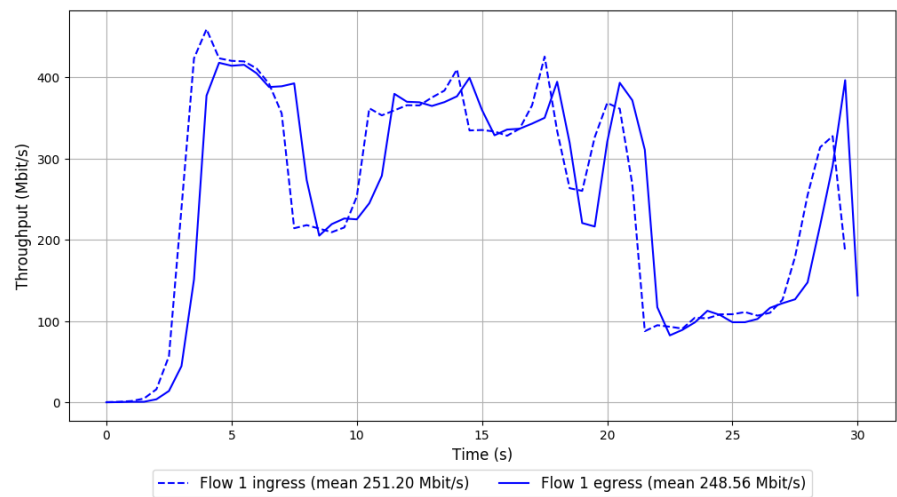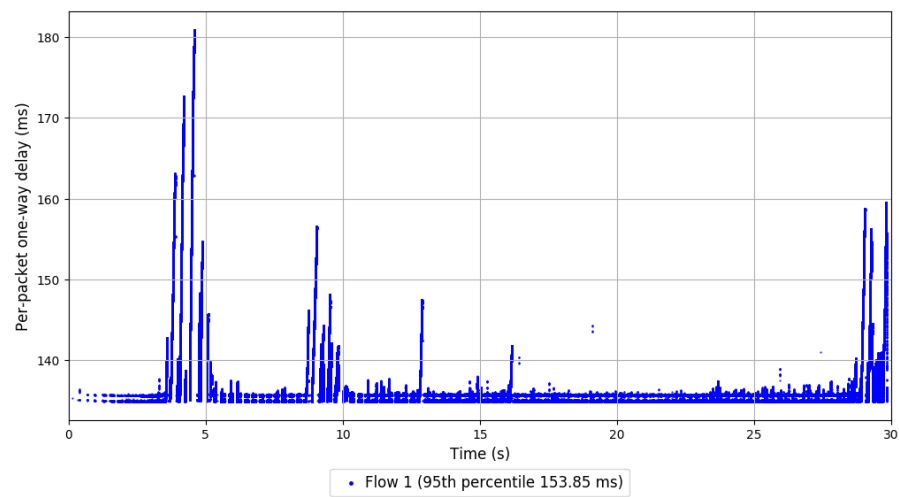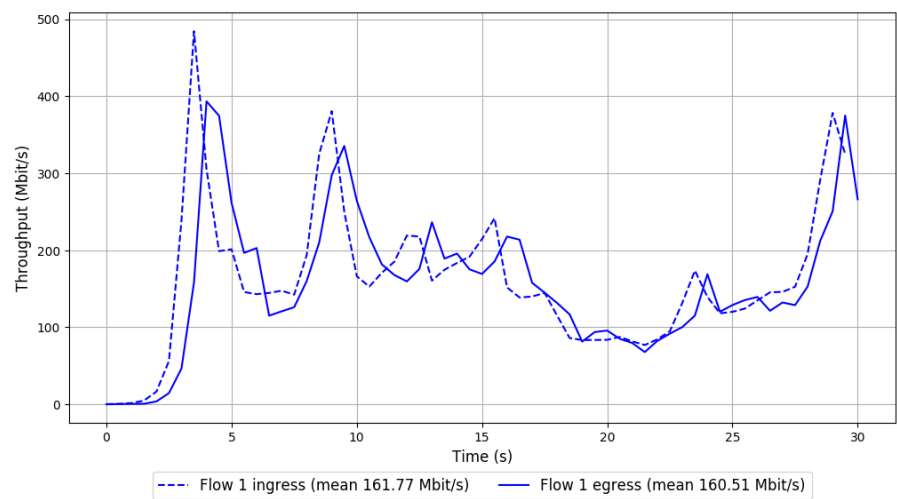
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 251.20 Mbit/s)   Flow 1 egress (mean 248.56 Mbit/s)

Flow 1 (95th percentile 214.44 ms)

```
Run 7: Statistics of Copa

Start at: 2018-08-02 16:55:57
End at: 2018-08-02 16:56:27
Local clock offset: -0.025 ms
Remote clock offset: 0.001 ms


# Below is generated by plot.py at 2018-08-02 18:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.51 Mbit/s
95th percentile per-packet one-way delay: 153.853 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 160.51 Mbit/s
95th percentile per-packet one-way delay: 153.853 ms
Loss rate: 1.50%
```
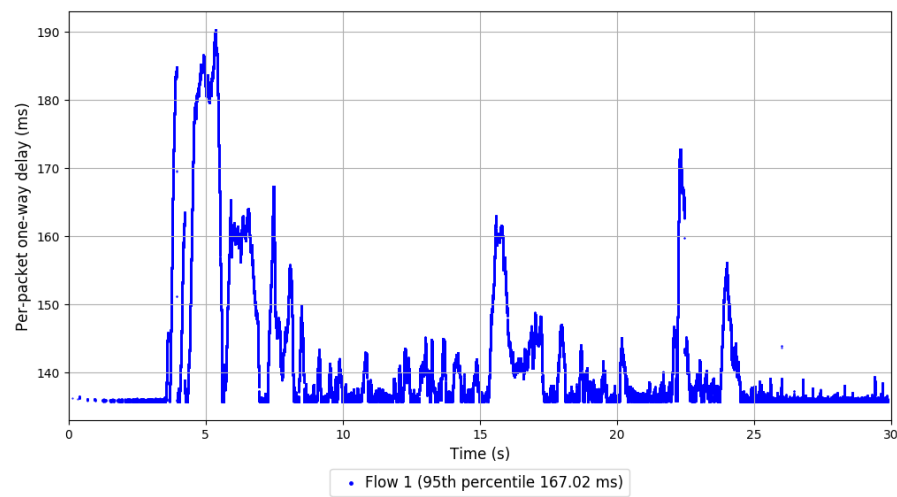
Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2018-08-02 17:19:09
End at: 2018-08-02 17:19:40
Local clock offset: 0.101 ms
Remote clock offset: 0.026 ms


# Below is generated by plot.py at 2018-08-02 18:36:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 359.76 Mbit/s
95th percentile per-packet one-way delay: 167.017 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 359.76 Mbit/s
95th percentile per-packet one-way delay: 167.017 ms
Loss rate: 0.71%
```
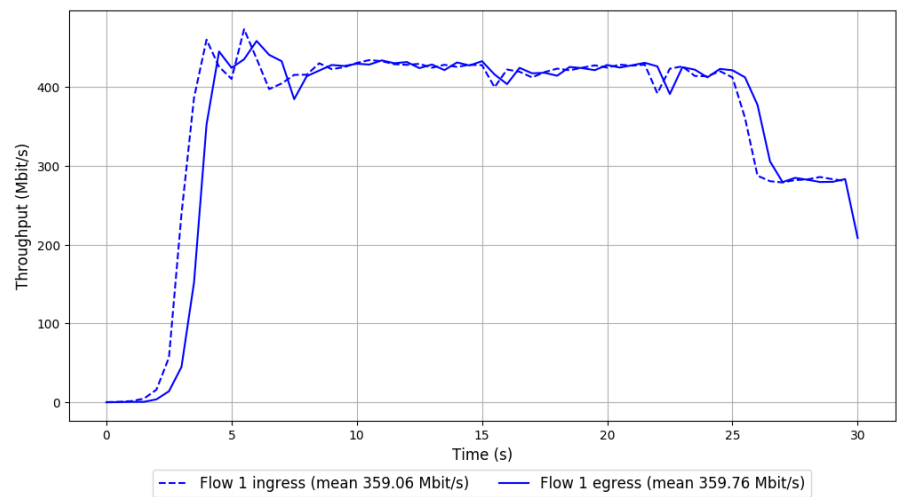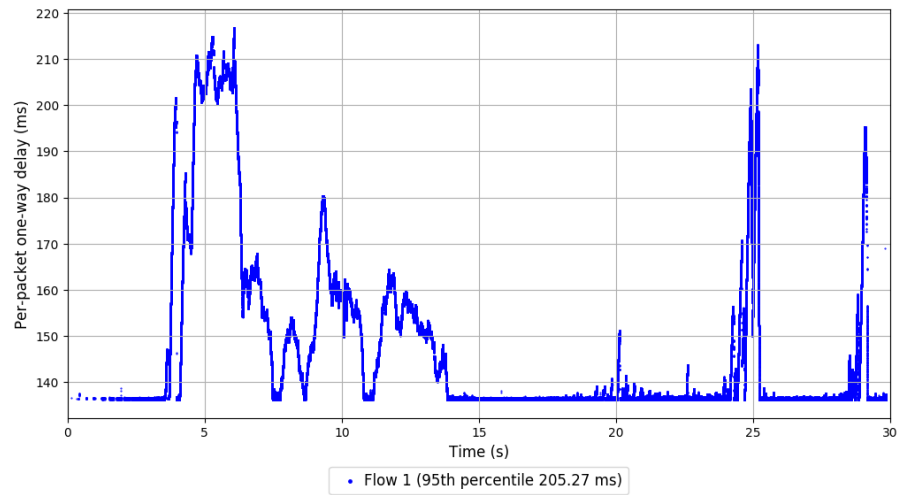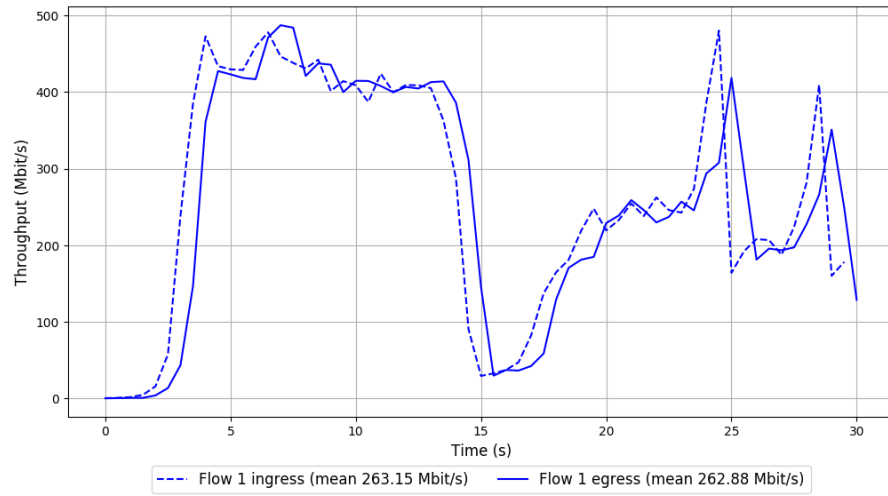
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 359.06 Mbit/s) — Flow 1 egress (mean 359.76 Mbit/s)

· Flow 1 (95th percentile 167.02 ms)

```
Run 9: Statistics of Copa

Start at: 2018-08-02 17:42:30
End at: 2018-08-02 17:43:00
Local clock offset: 0.029 ms
Remote clock offset: 0.076 ms


# Below is generated by plot.py at 2018-08-02 18:36:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 262.88 Mbit/s
95th percentile per-packet one-way delay: 205.268 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 262.88 Mbit/s
95th percentile per-packet one-way delay: 205.268 ms
Loss rate: 1.01%
```
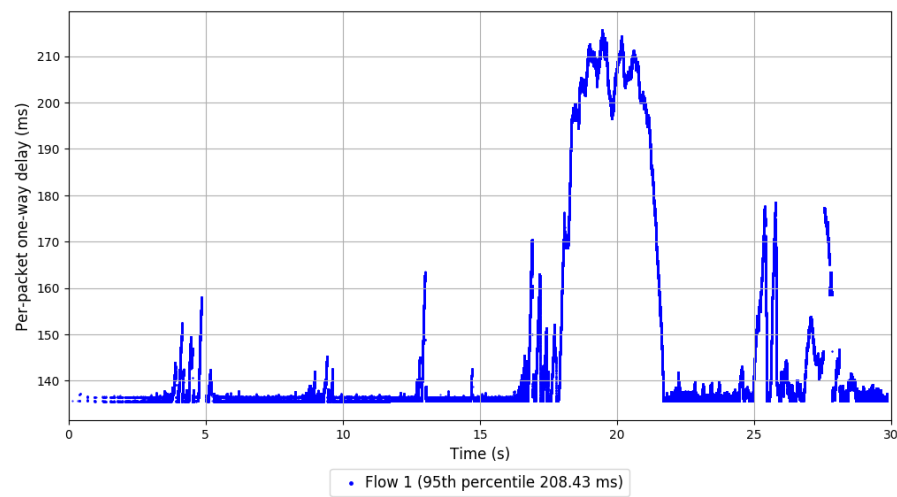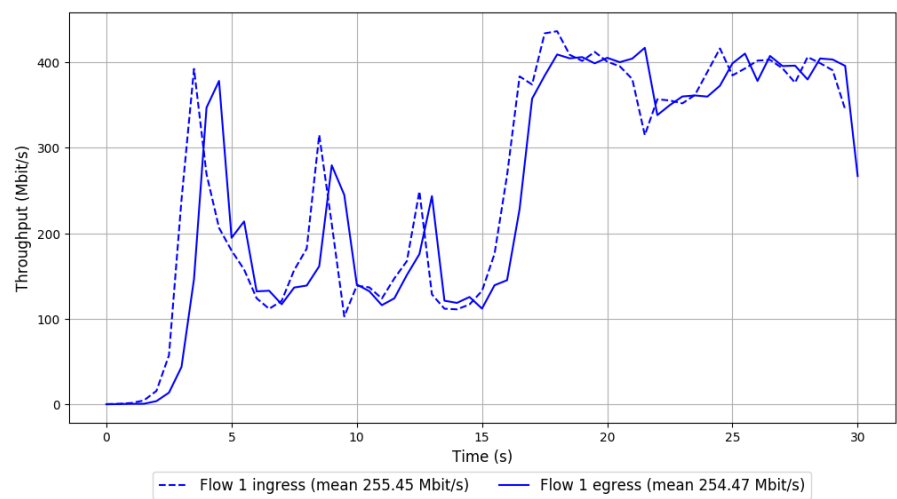
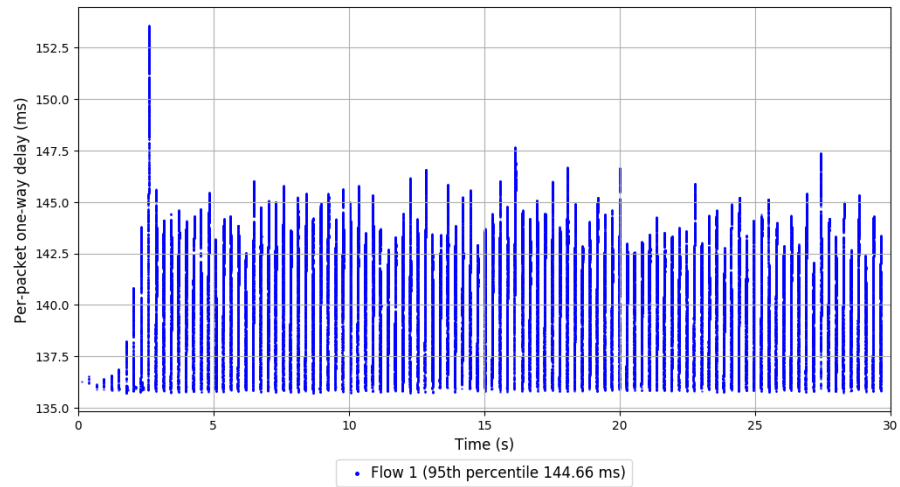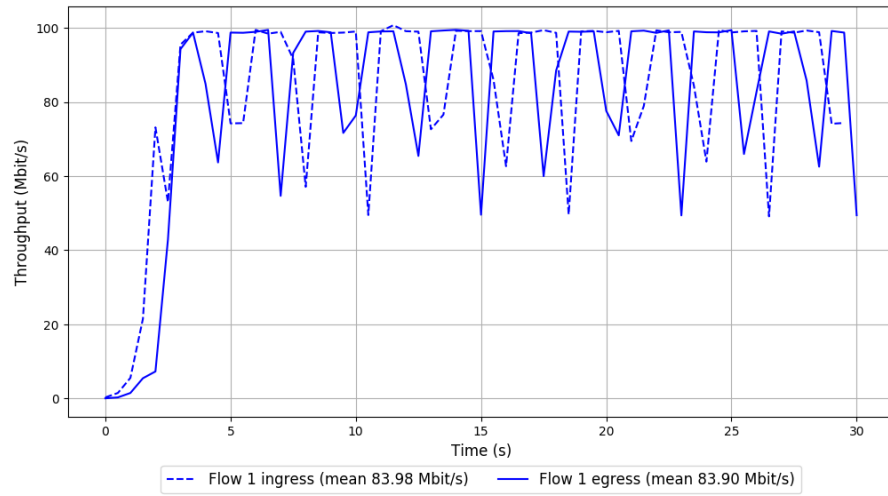## Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 263.15 Mbit/s) --- Flow 1 egress (mean 262.88 Mbit/s)

• Flow 1 (95th percentile 205.27 ms)

```
Run 10: Statistics of Copa

Start at: 2018-08-02 18:05:36
End at: 2018-08-02 18:06:06
Local clock offset: -0.131 ms
Remote clock offset: 0.062 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.47 Mbit/s
95th percentile per-packet one-way delay: 208.429 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 254.47 Mbit/s
95th percentile per-packet one-way delay: 208.429 ms
Loss rate: 1.28%
```

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 255.45 Mbit/s) ---- Flow 1 egress (mean 254.47 Mbit/s) ——

Flow 1 (95th percentile 208.43 ms)

43

```
Run 1: Statistics of TCP Cubic

Start at: 2018-08-02 14:24:55
End at: 2018-08-02 14:25:25
Local clock offset: -0.195 ms
Remote clock offset: -0.152 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 144.655 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 144.655 ms
Loss rate: 0.99%
```
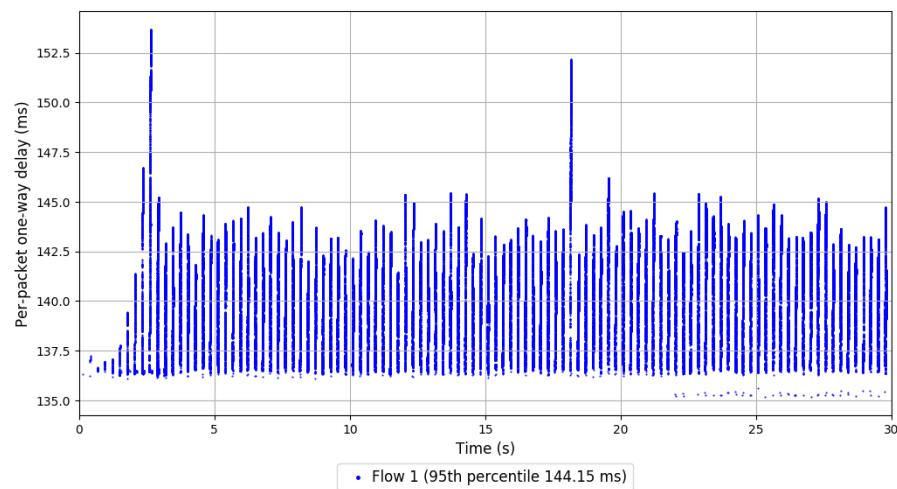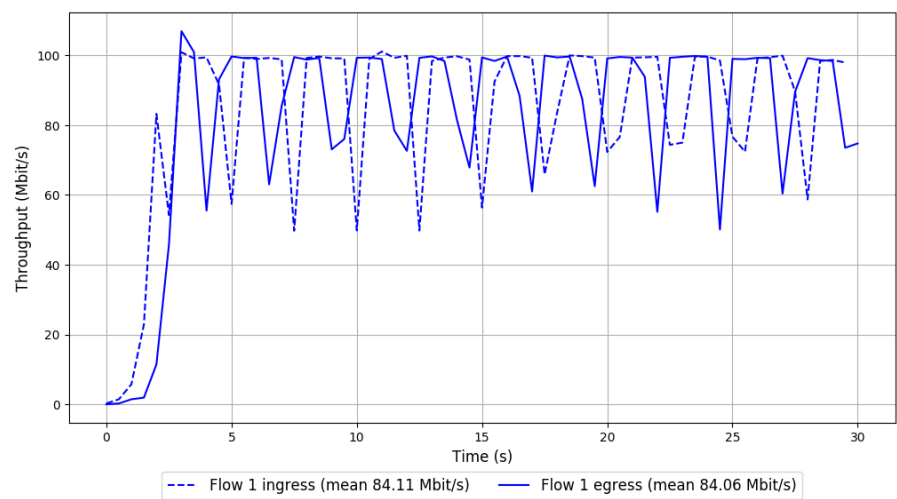
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-08-02 14:48:16
End at: 2018-08-02 14:48:46
Local clock offset: -0.428 ms
Remote clock offset: 0.176 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.06 Mbit/s
95th percentile per-packet one-way delay: 144.153 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 84.06 Mbit/s
95th percentile per-packet one-way delay: 144.153 ms
Loss rate: 0.96%
```
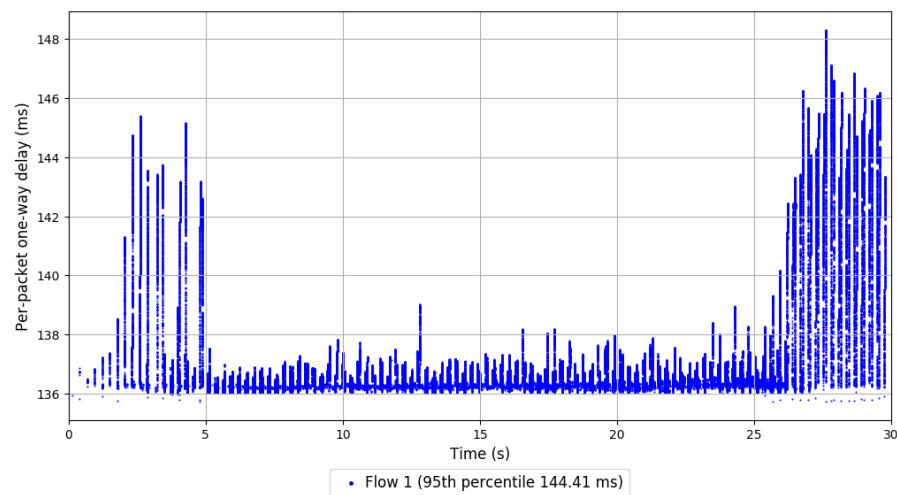
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2018-08-02 15:11:09
End at: 2018-08-02 15:11:39
Local clock offset: -0.438 ms
Remote clock offset: 0.675 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 144.409 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 144.409 ms
Loss rate: 1.48%
```
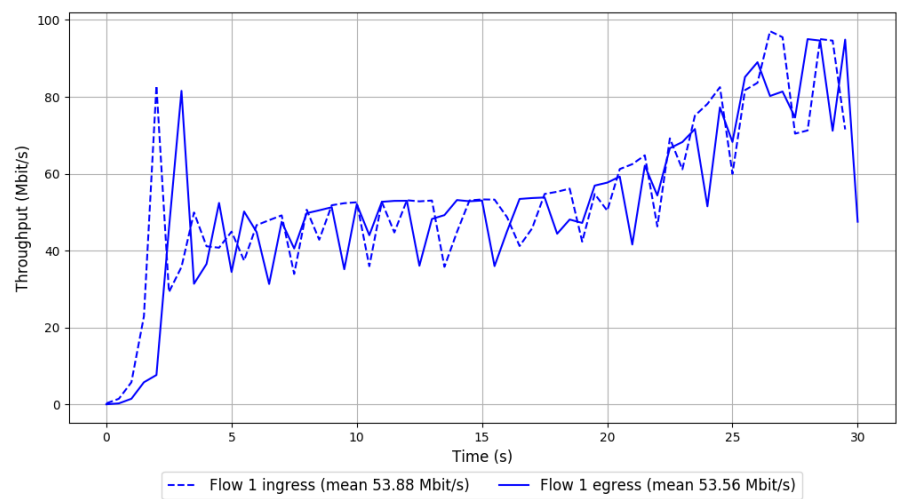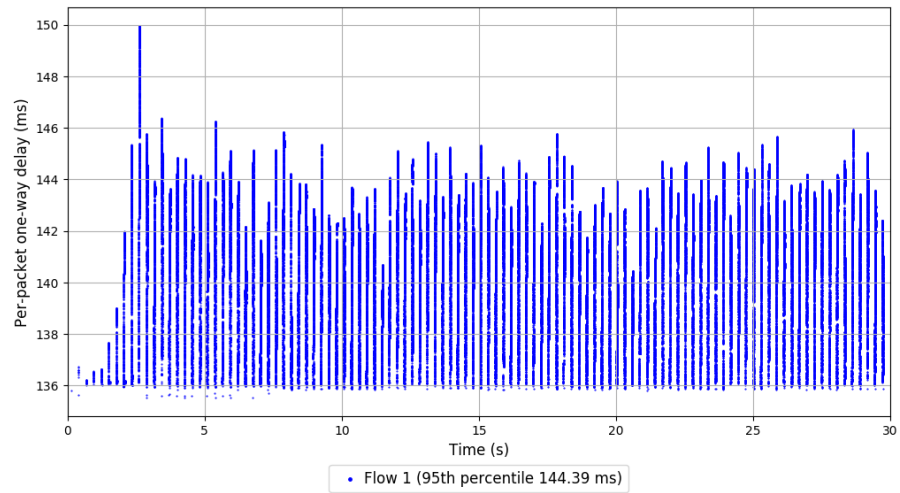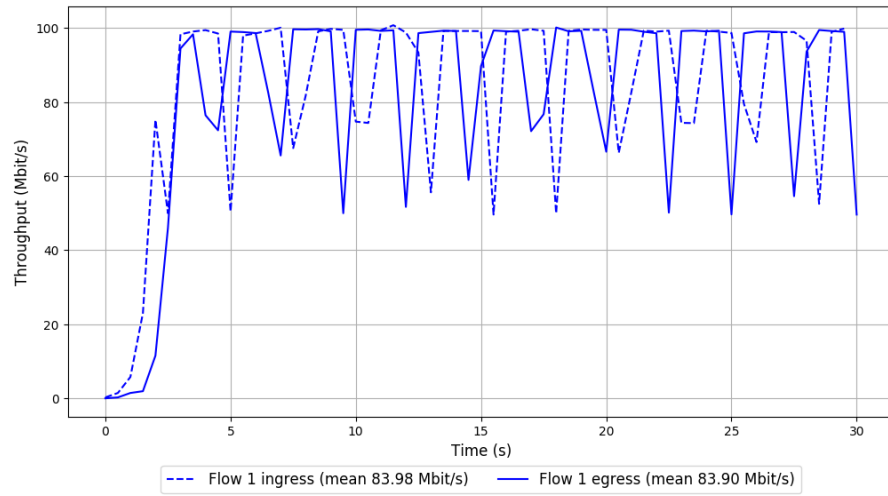
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 53.88 Mbit/s)   Flow 1 egress (mean 53.56 Mbit/s)

Flow 1 (95th percentile 144.41 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-08-02 15:34:30
End at: 2018-08-02 15:35:00
Local clock offset: 0.12 ms
Remote clock offset: 0.204 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 144.386 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 144.386 ms
Loss rate: 1.00%
```
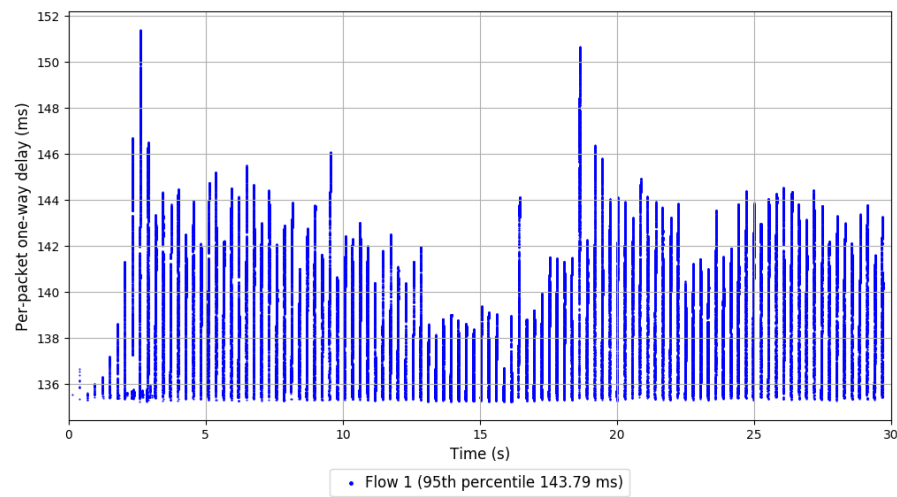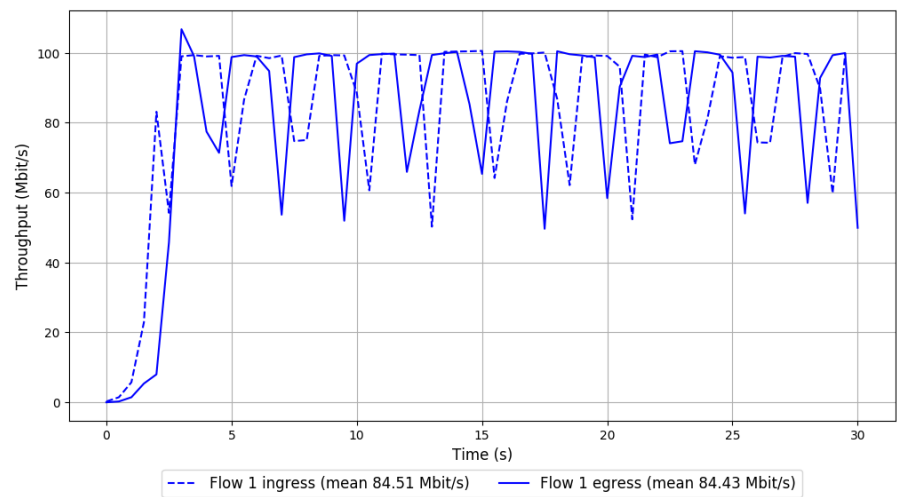
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 83.98 Mbit/s) Flow 1 egress (mean 83.90 Mbit/s)

Flow 1 (95th percentile 144.39 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-08-02 15:58:07
End at: 2018-08-02 15:58:37
Local clock offset: 0.089 ms
Remote clock offset: 0.431 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 143.794 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 143.794 ms
Loss rate: 0.99%
```
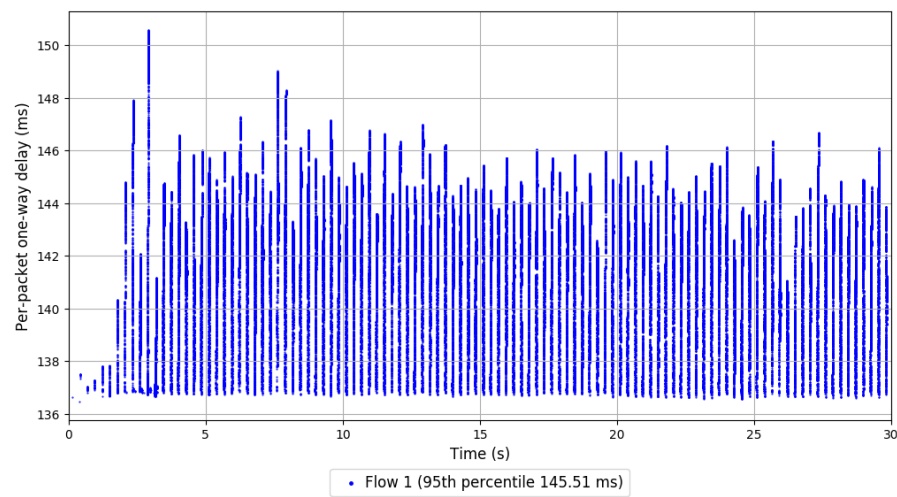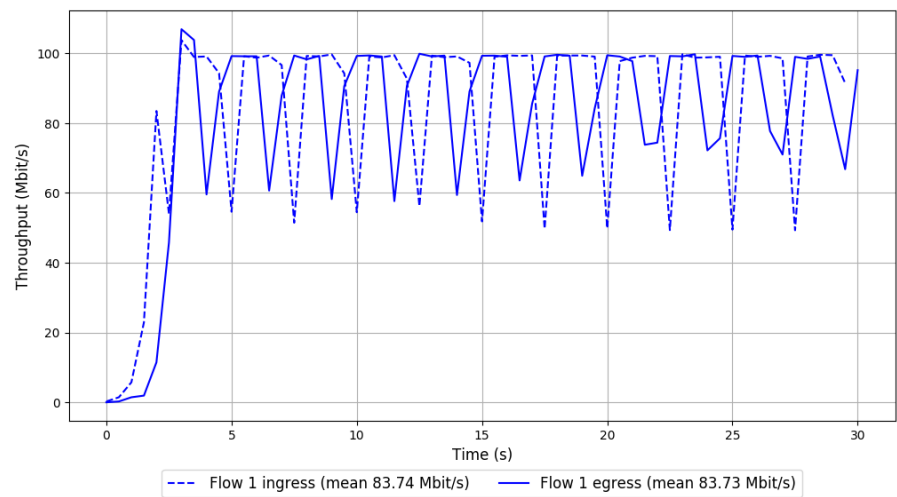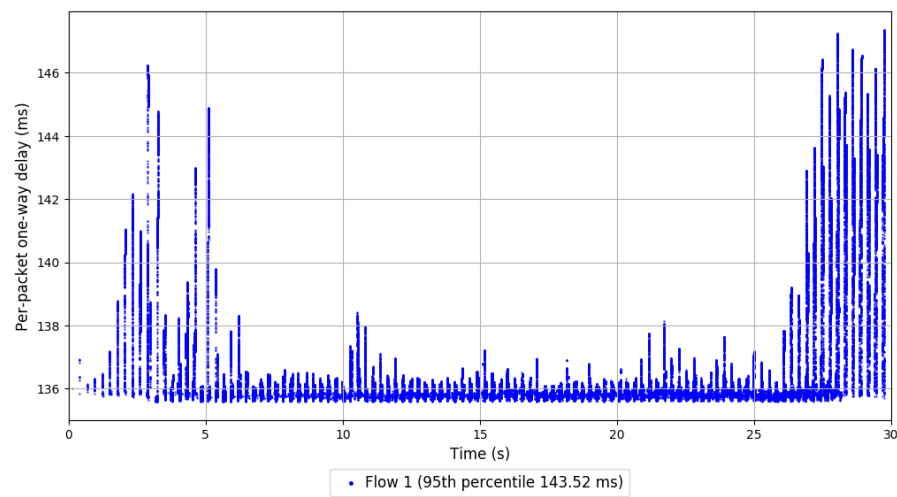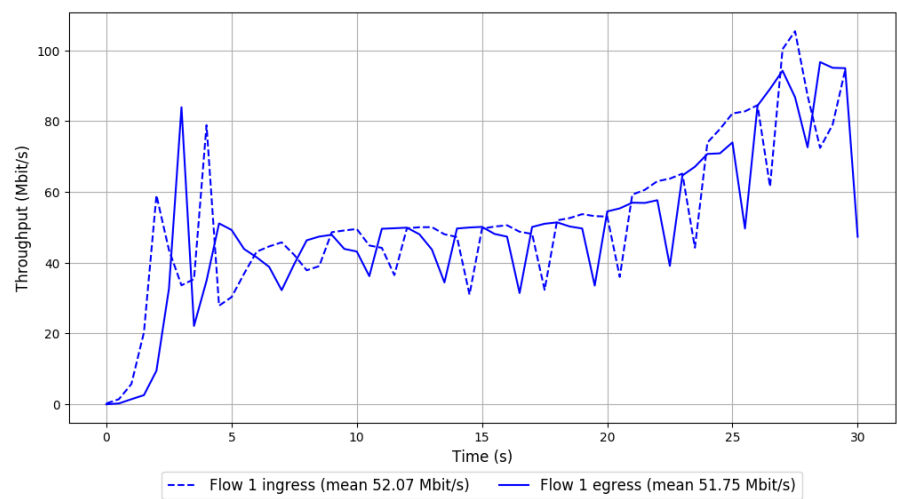
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2018-08-02 16:21:18
End at: 2018-08-02 16:21:48
Local clock offset: 0.114 ms
Remote clock offset: 0.013 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 145.508 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 145.508 ms
Loss rate: 0.92%
```

Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 83.74 Mbit/s)   Flow 1 egress (mean 83.73 Mbit/s)
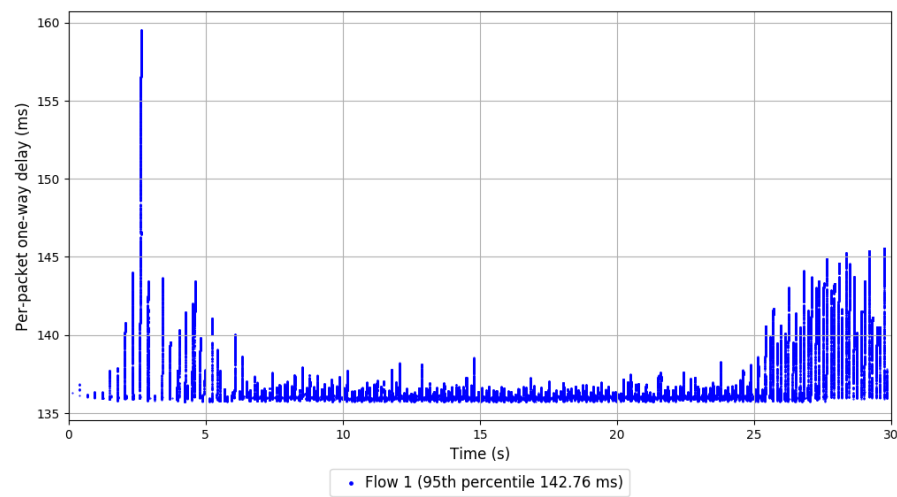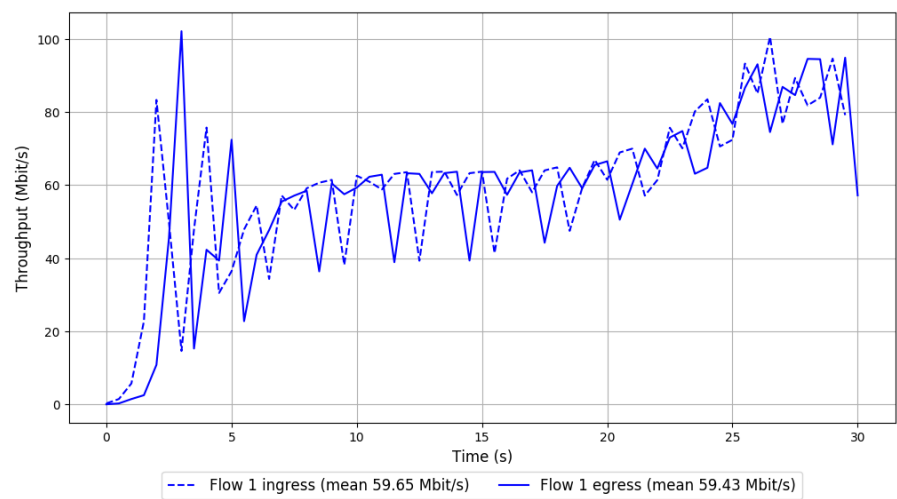

Flow 1 (95th percentile 145.51 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-08-02 16:44:27
End at: 2018-08-02 16:44:57
Local clock offset: -0.04 ms
Remote clock offset: -0.031 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 143.516 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 143.516 ms
Loss rate: 1.51%
```

Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: 2018-08-02 17:07:38
End at: 2018-08-02 17:08:08
Local clock offset: 0.12 ms
Remote clock offset: -0.018 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 142.765 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 142.765 ms
Loss rate: 1.27%
```
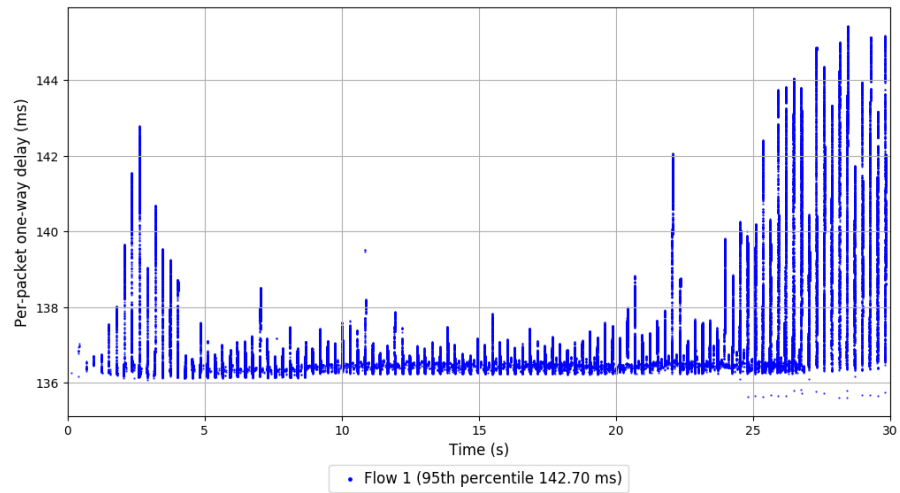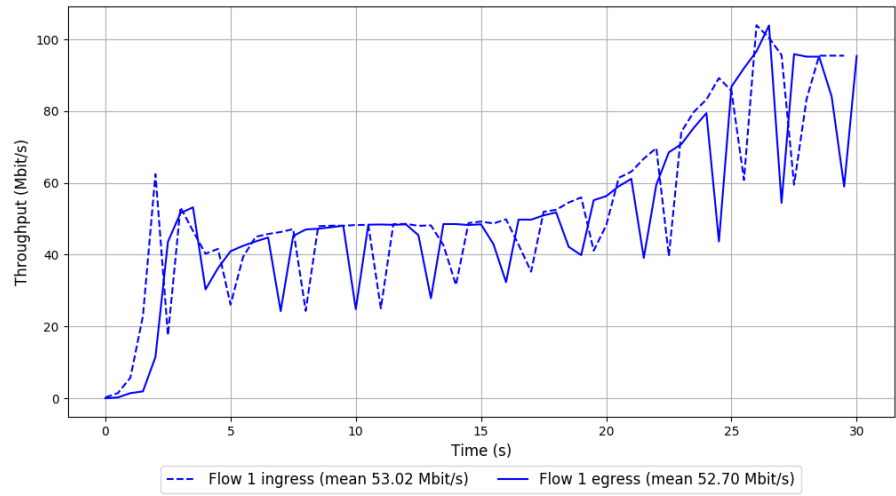
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 59.65 Mbit/s)   Flow 1 egress (mean 59.43 Mbit/s)

• Flow 1 (95th percentile 142.76 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-08-02 17:30:59
End at: 2018-08-02 17:31:29
Local clock offset: 0.074 ms
Remote clock offset: 0.41 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.70 Mbit/s
95th percentile per-packet one-way delay: 142.697 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 52.70 Mbit/s
95th percentile per-packet one-way delay: 142.697 ms
Loss rate: 1.51%
```
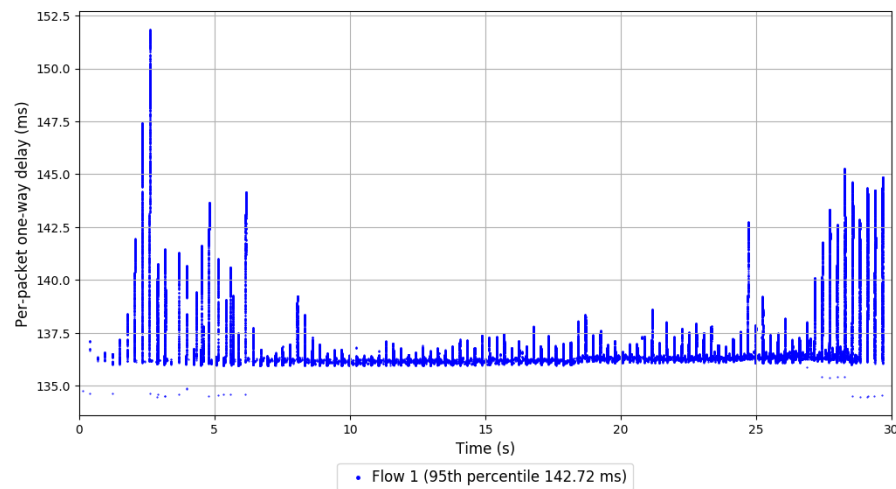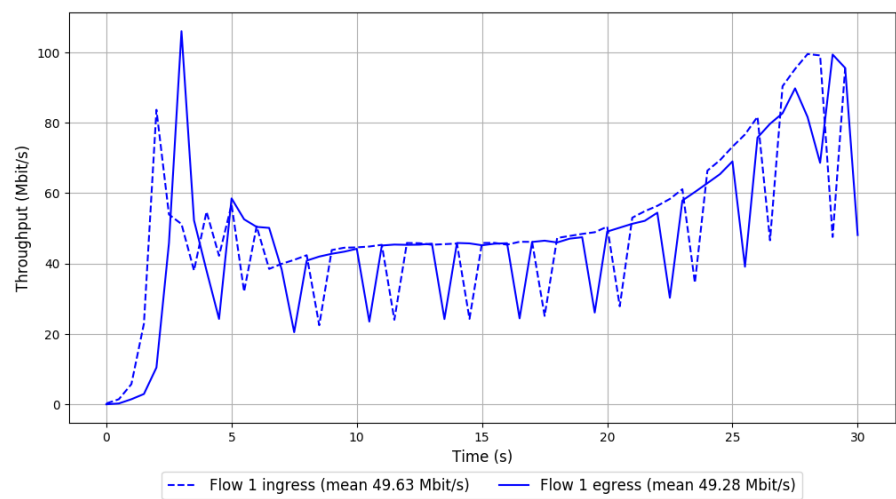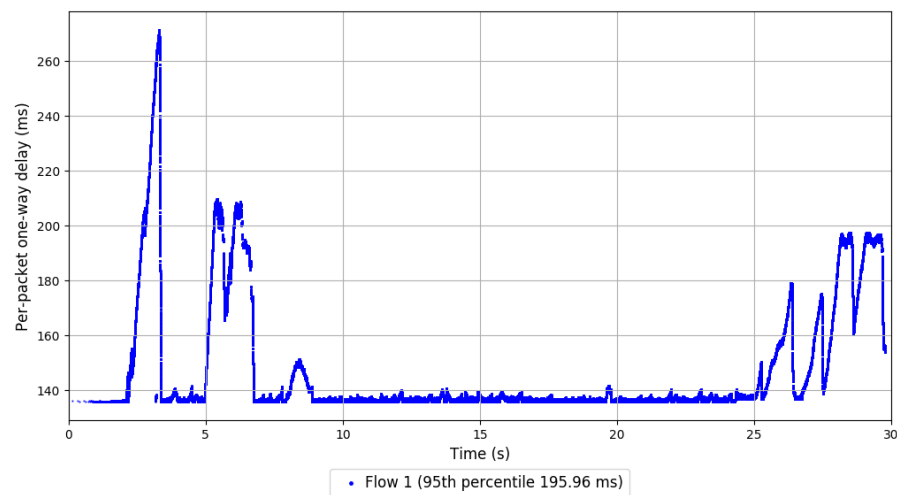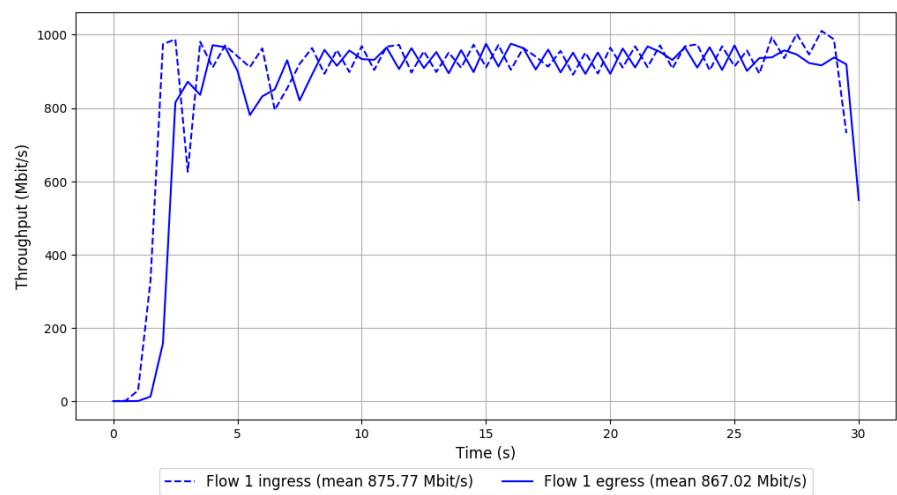
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 53.02 Mbit/s)   Flow 1 egress (mean 52.70 Mbit/s)

Flow 1 (95th percentile 142.70 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-08-02 17:54:19
End at: 2018-08-02 17:54:49
Local clock offset: -0.063 ms
Remote clock offset: 0.422 ms


# Below is generated by plot.py at 2018-08-02 18:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 142.725 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 142.725 ms
Loss rate: 1.60%
```

Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of FillP

Start at: 2018-08-02 14:41:03
End at: 2018-08-02 14:41:33
Local clock offset: -0.133 ms
Remote clock offset: -0.235 ms


# Below is generated by plot.py at 2018-08-02 18:50:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 867.02 Mbit/s
95th percentile per-packet one-way delay: 195.955 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 867.02 Mbit/s
95th percentile per-packet one-way delay: 195.955 ms
Loss rate: 1.90%
```

Run 1: Report of FillP — Data Link

```
Run 2: Statistics of FillP

Start at: 2018-08-02 15:03:58
End at: 2018-08-02 15:04:28
Local clock offset: -0.369 ms
Remote clock offset: 0.597 ms


# Below is generated by plot.py at 2018-08-02 18:50:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 870.67 Mbit/s
95th percentile per-packet one-way delay: 189.145 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 870.67 Mbit/s
95th percentile per-packet one-way delay: 189.145 ms
Loss rate: 1.62%
```
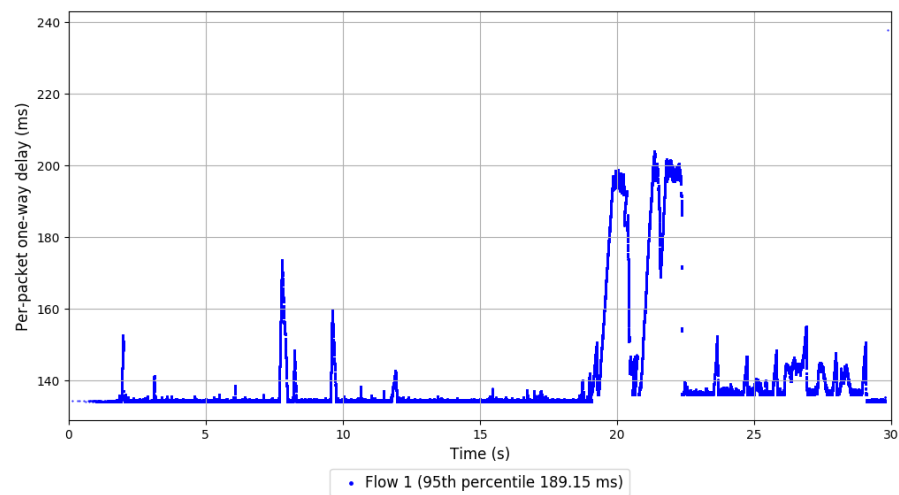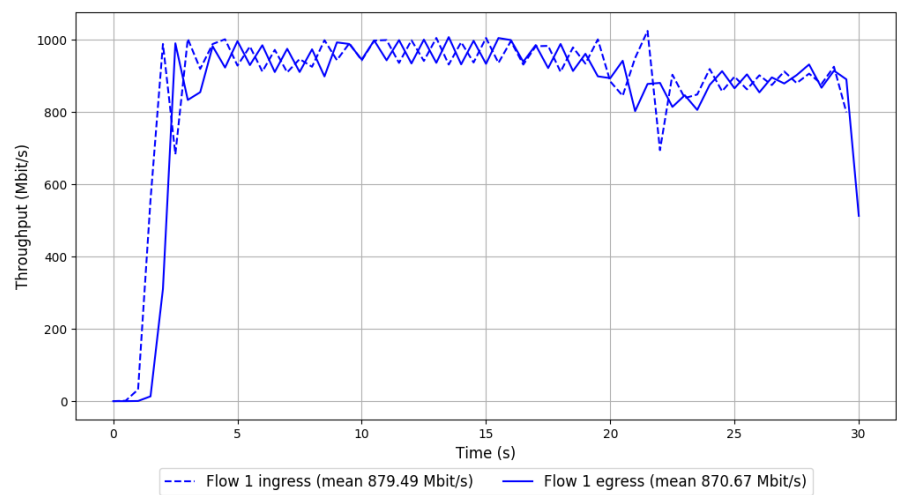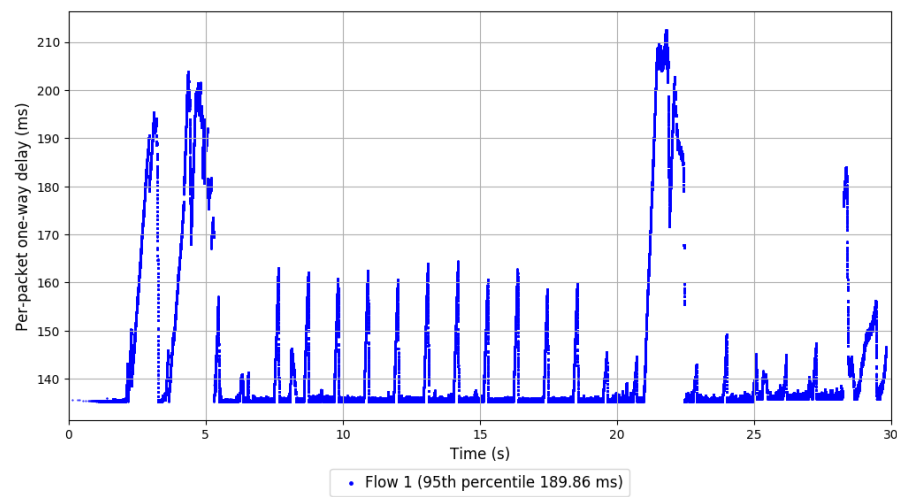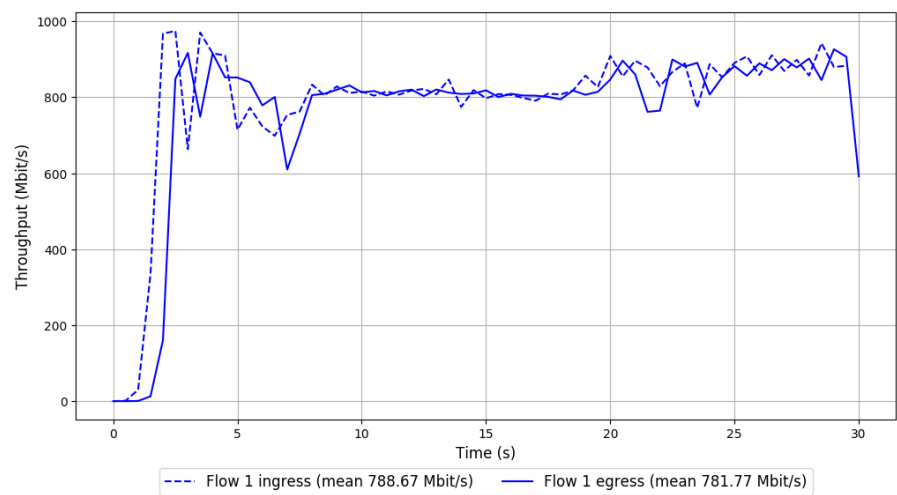
Run 2: Report of FillP — Data Link

Flow 1 ingress (mean 879.49 Mbit/s) ——— Flow 1 egress (mean 870.67 Mbit/s)

• Flow 1 (95th percentile 189.15 ms)

```
Run 3: Statistics of FillP

Start at: 2018-08-02 15:27:23
End at: 2018-08-02 15:27:53
Local clock offset: -0.35 ms
Remote clock offset: 0.341 ms


# Below is generated by plot.py at 2018-08-02 18:50:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 781.77 Mbit/s
95th percentile per-packet one-way delay: 189.864 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 781.77 Mbit/s
95th percentile per-packet one-way delay: 189.864 ms
Loss rate: 1.78%
```
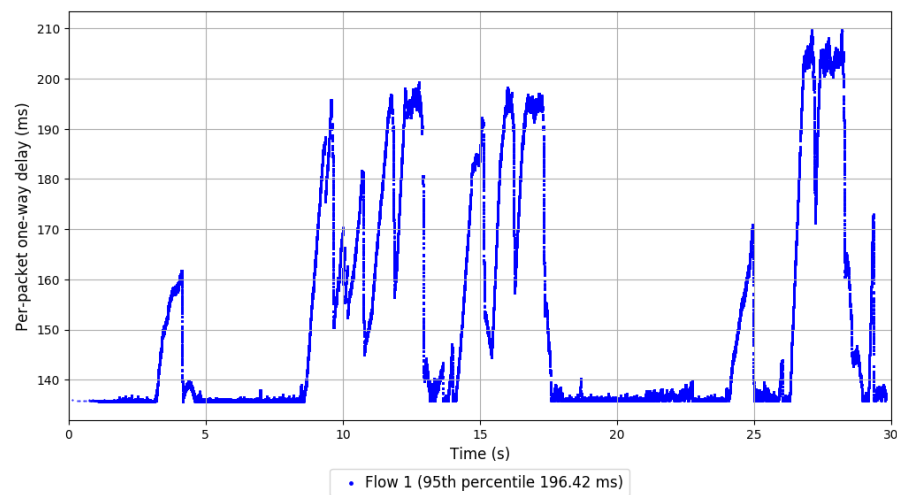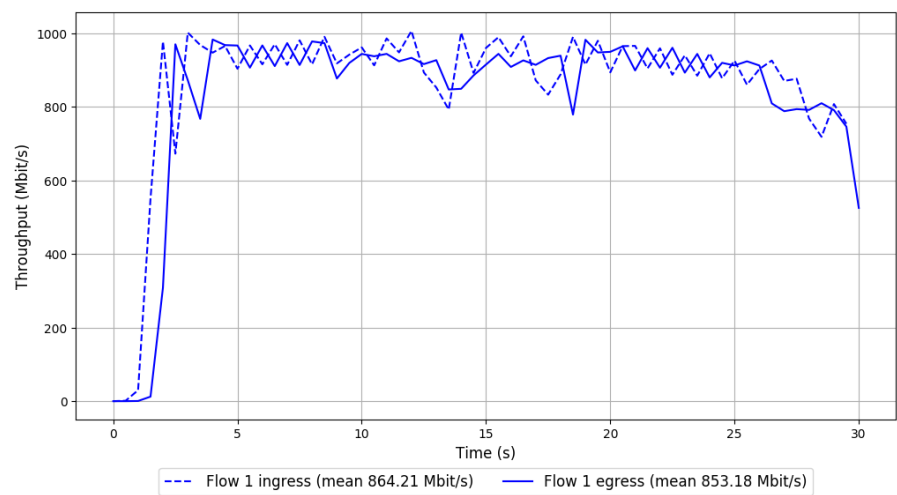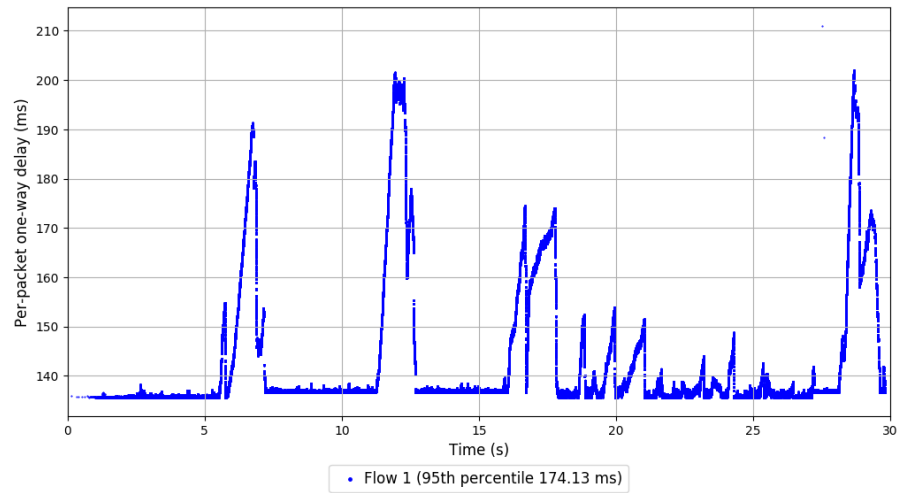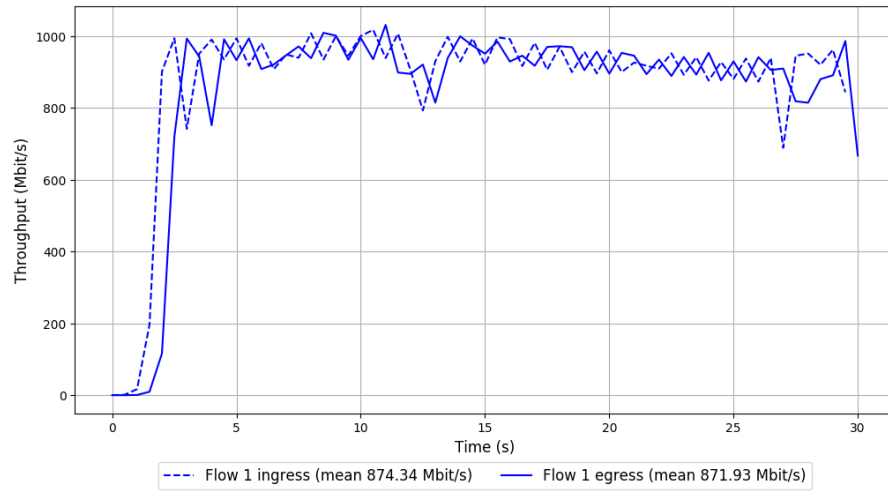
Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 788.67 Mbit/s) ----   Flow 1 egress (mean 781.77 Mbit/s) ——

• Flow 1 (95th percentile 189.86 ms)

```
Run 4: Statistics of FillP

Start at: 2018-08-02 15:50:57
End at: 2018-08-02 15:51:27
Local clock offset: 0.158 ms
Remote clock offset: 0.12 ms


# Below is generated by plot.py at 2018-08-02 18:50:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 853.18 Mbit/s
95th percentile per-packet one-way delay: 196.420 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 853.18 Mbit/s
95th percentile per-packet one-way delay: 196.420 ms
Loss rate: 2.17%
```

Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 864.21 Mbit/s)   Flow 1 egress (mean 853.18 Mbit/s)

• Flow 1 (95th percentile 196.42 ms)

```
Run 5: Statistics of FillP

Start at: 2018-08-02 16:14:10
End at: 2018-08-02 16:14:40
Local clock offset: -0.053 ms
Remote clock offset: -0.325 ms


# Below is generated by plot.py at 2018-08-02 18:50:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 871.93 Mbit/s
95th percentile per-packet one-way delay: 174.134 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 871.93 Mbit/s
95th percentile per-packet one-way delay: 174.134 ms
Loss rate: 1.18%
```
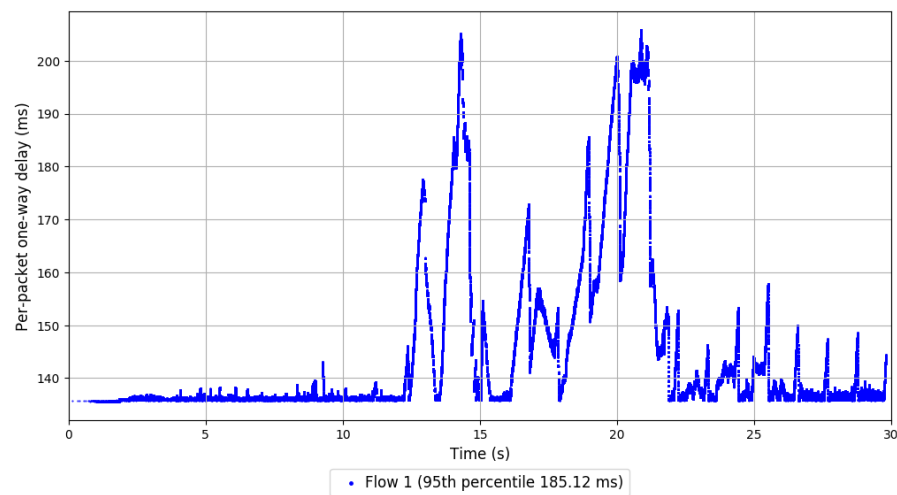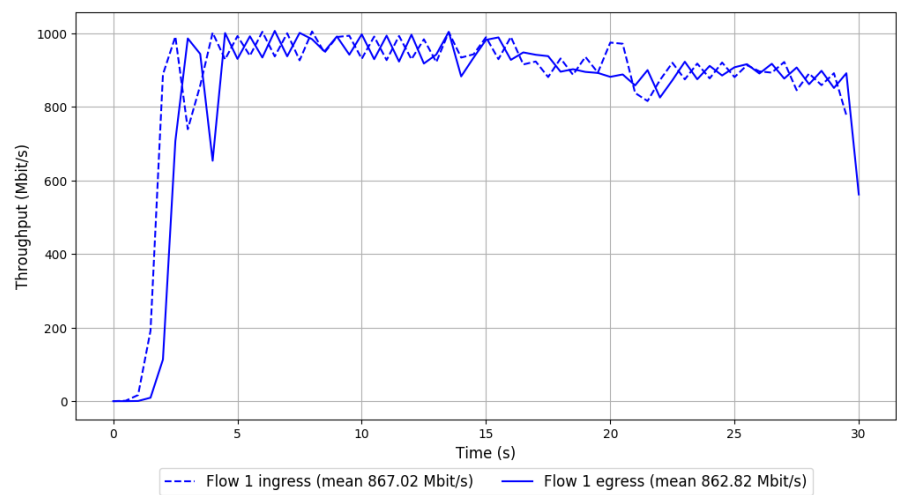
Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 874.34 Mbit/s)   Flow 1 egress (mean 871.93 Mbit/s)

• Flow 1 (95th percentile 174.13 ms)

```
Run 6: Statistics of FillP

Start at: 2018-08-02 16:37:16
End at: 2018-08-02 16:37:46
Local clock offset: -0.052 ms
Remote clock offset: 0.021 ms


# Below is generated by plot.py at 2018-08-02 18:52:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 862.82 Mbit/s
95th percentile per-packet one-way delay: 185.121 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 862.82 Mbit/s
95th percentile per-packet one-way delay: 185.121 ms
Loss rate: 1.39%
```
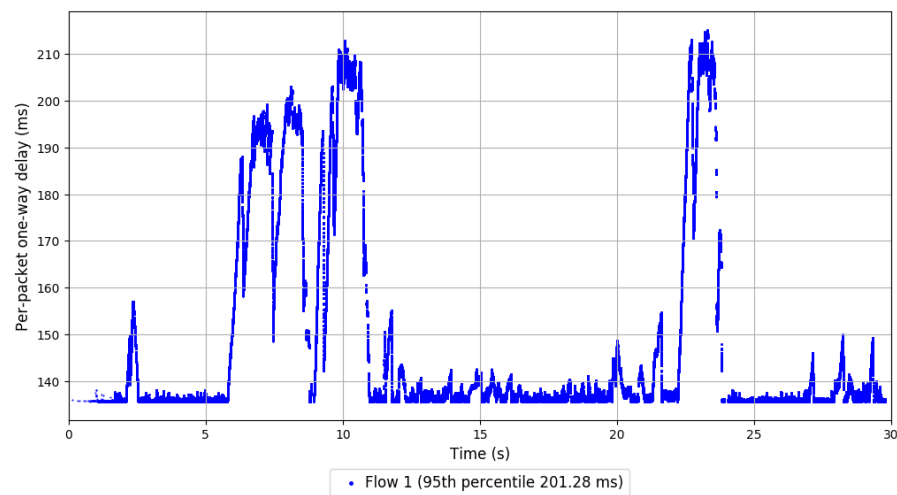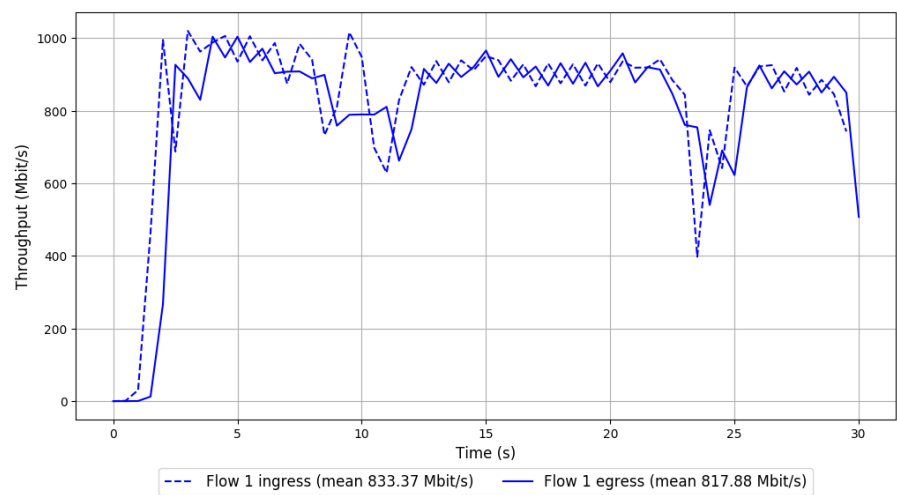
Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 867.02 Mbit/s)   Flow 1 egress (mean 862.82 Mbit/s)

Flow 1 (95th percentile 185.12 ms)

```
Run 7: Statistics of FillP

Start at: 2018-08-02 17:00:27
End at: 2018-08-02 17:00:57
Local clock offset: 0.14 ms
Remote clock offset: 0.374 ms


# Below is generated by plot.py at 2018-08-02 18:52:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 817.88 Mbit/s
95th percentile per-packet one-way delay: 201.279 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 817.88 Mbit/s
95th percentile per-packet one-way delay: 201.279 ms
Loss rate: 2.75%
```
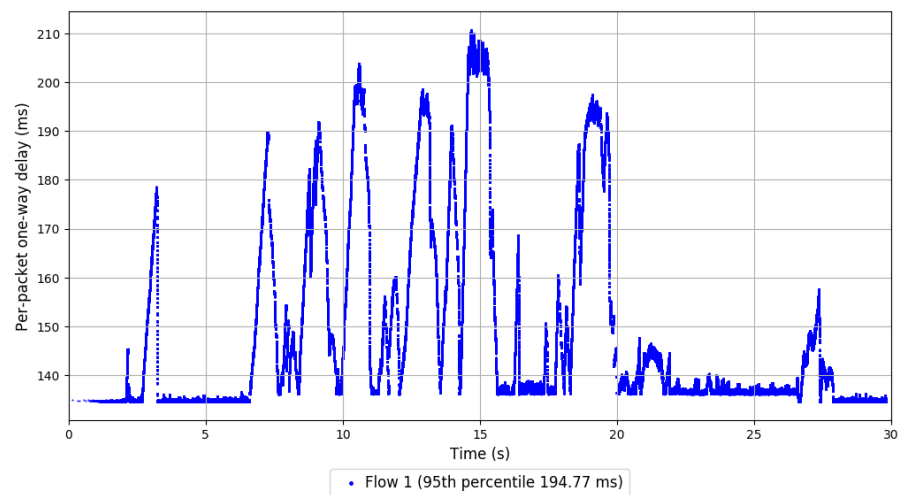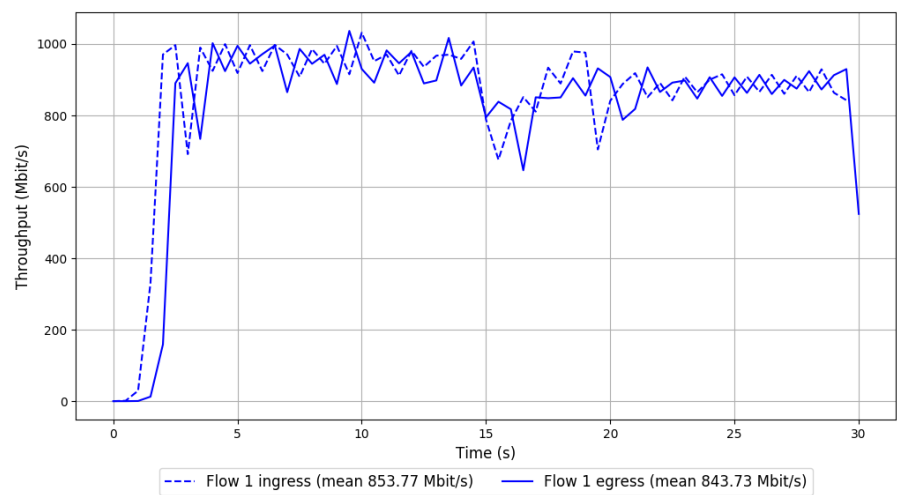
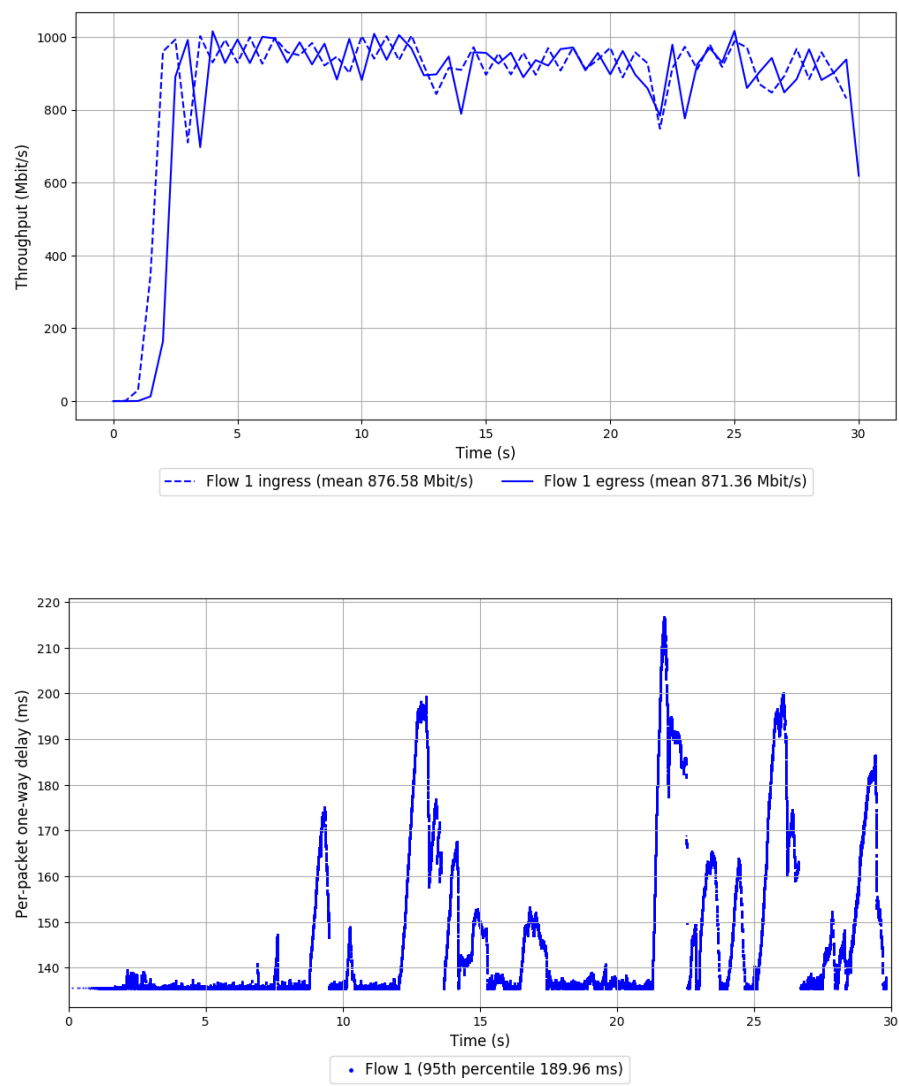Run 7: Report of FillP — Data Link

```
Run 8: Statistics of FillP

Start at: 2018-08-02 17:24:01
End at: 2018-08-02 17:24:31
Local clock offset: 0.108 ms
Remote clock offset: 0.411 ms


# Below is generated by plot.py at 2018-08-02 18:52:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 843.73 Mbit/s
95th percentile per-packet one-way delay: 194.769 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 843.73 Mbit/s
95th percentile per-packet one-way delay: 194.769 ms
Loss rate: 2.07%
```
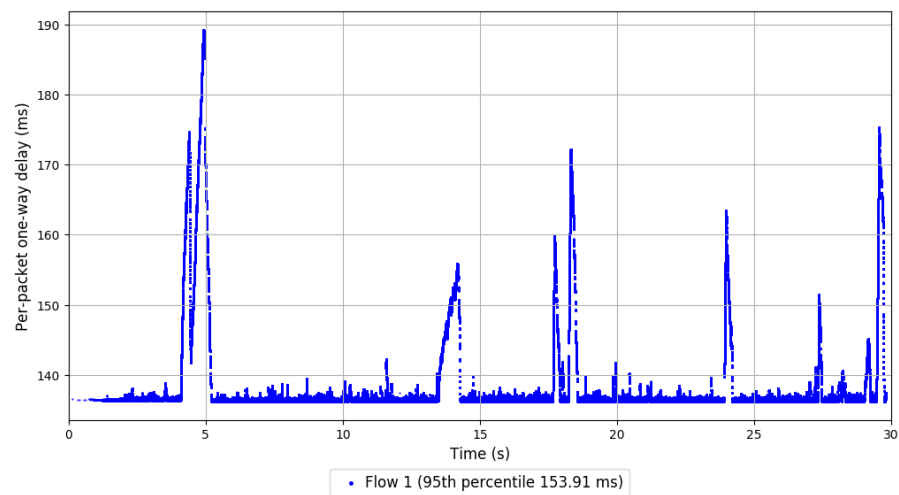
Run 8: Report of FillP — Data Link

Flow 1 ingress (mean 853.77 Mbit/s) --- Flow 1 egress (mean 843.73 Mbit/s)

• Flow 1 (95th percentile 194.77 ms)

```
Run 9: Statistics of FillP

Start at: 2018-08-02 17:47:08
End at: 2018-08-02 17:47:38
Local clock offset: 0.185 ms
Remote clock offset: -0.289 ms


# Below is generated by plot.py at 2018-08-02 19:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 871.36 Mbit/s
95th percentile per-packet one-way delay: 189.961 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 871.36 Mbit/s
95th percentile per-packet one-way delay: 189.961 ms
Loss rate: 1.50%
```
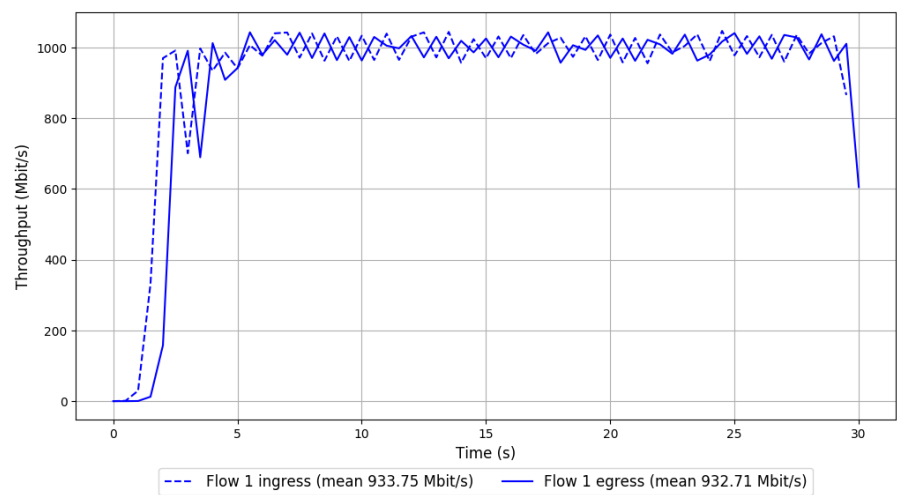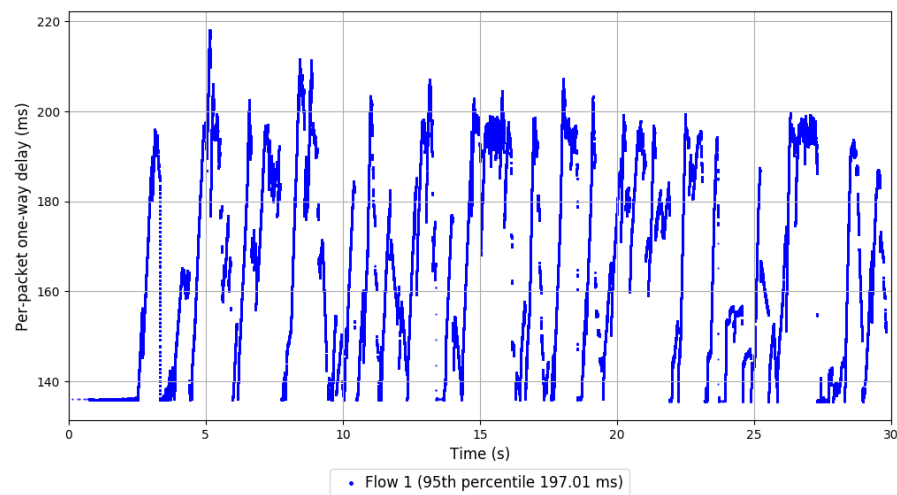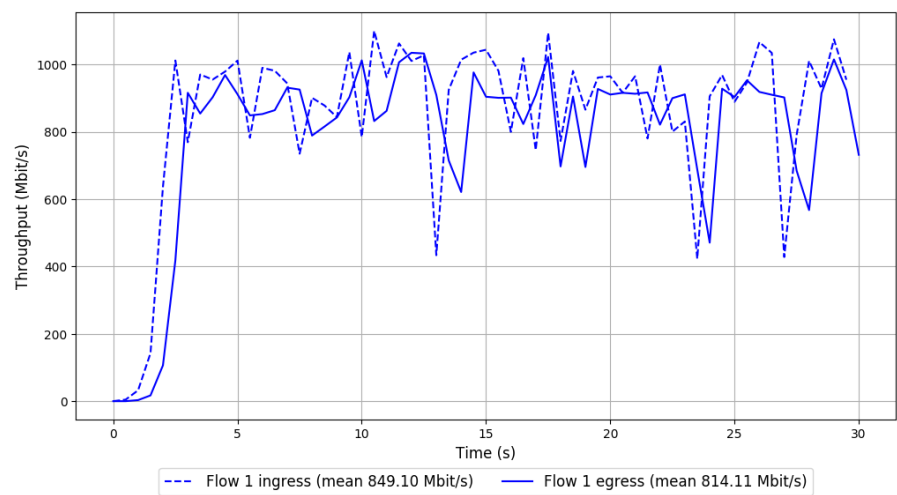
Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 876.58 Mbit/s)   Flow 1 egress (mean 871.36 Mbit/s)

• Flow 1 (95th percentile 189.96 ms)

```
Run 10: Statistics of FillP

Start at: 2018-08-02 18:10:13
End at: 2018-08-02 18:10:43
Local clock offset: -0.035 ms
Remote clock offset: 0.058 ms


# Below is generated by plot.py at 2018-08-02 19:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 932.71 Mbit/s
95th percentile per-packet one-way delay: 153.911 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 932.71 Mbit/s
95th percentile per-packet one-way delay: 153.911 ms
Loss rate: 1.02%
```
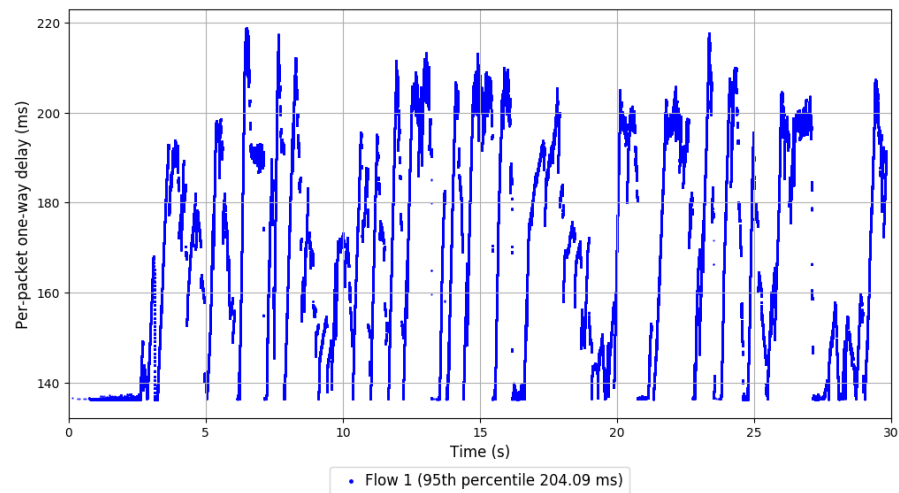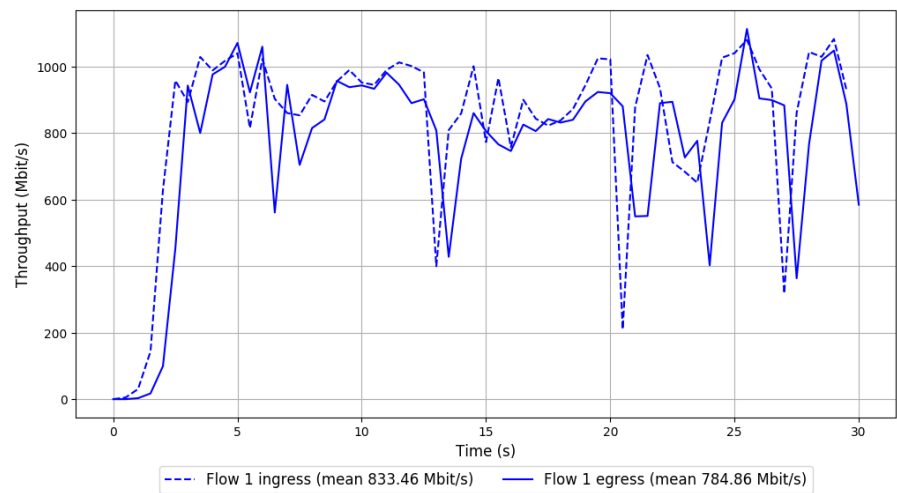
Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 933.75 Mbit/s)   Flow 1 egress (mean 932.71 Mbit/s)

• Flow 1 (95th percentile 153.91 ms)

```
Run 1: Statistics of FillP-Sheep

Start at: 2018-08-02 14:39:18
End at: 2018-08-02 14:39:48
Local clock offset: -0.274 ms
Remote clock offset: 0.135 ms


# Below is generated by plot.py at 2018-08-02 19:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 814.11 Mbit/s
95th percentile per-packet one-way delay: 197.015 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 814.11 Mbit/s
95th percentile per-packet one-way delay: 197.015 ms
Loss rate: 4.99%
```
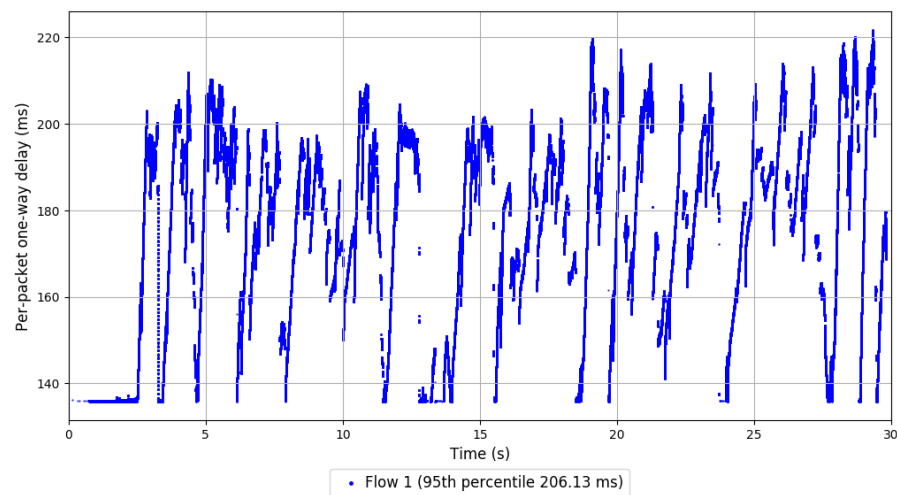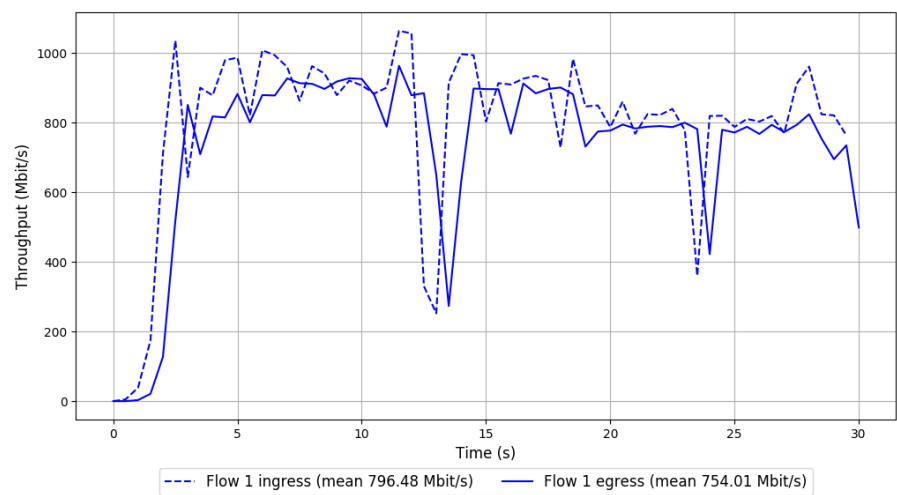
Run 1: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 849.10 Mbit/s)   Flow 1 egress (mean 814.11 Mbit/s)

• Flow 1 (95th percentile 197.01 ms)

```
Run 2: Statistics of FillP-Sheep

Start at: 2018-08-02 15:02:13
End at: 2018-08-02 15:02:43
Local clock offset: -0.339 ms
Remote clock offset: 0.266 ms


# Below is generated by plot.py at 2018-08-02 19:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 784.86 Mbit/s
95th percentile per-packet one-way delay: 204.093 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 784.86 Mbit/s
95th percentile per-packet one-way delay: 204.093 ms
Loss rate: 6.69%
```
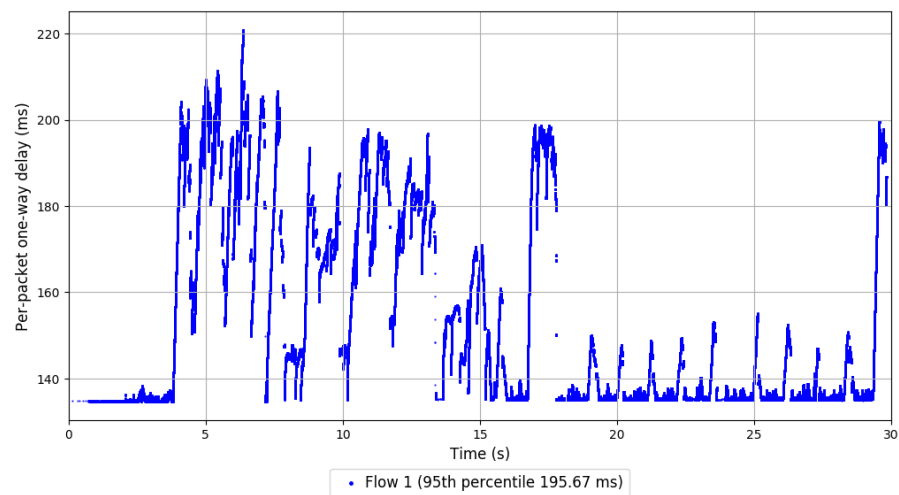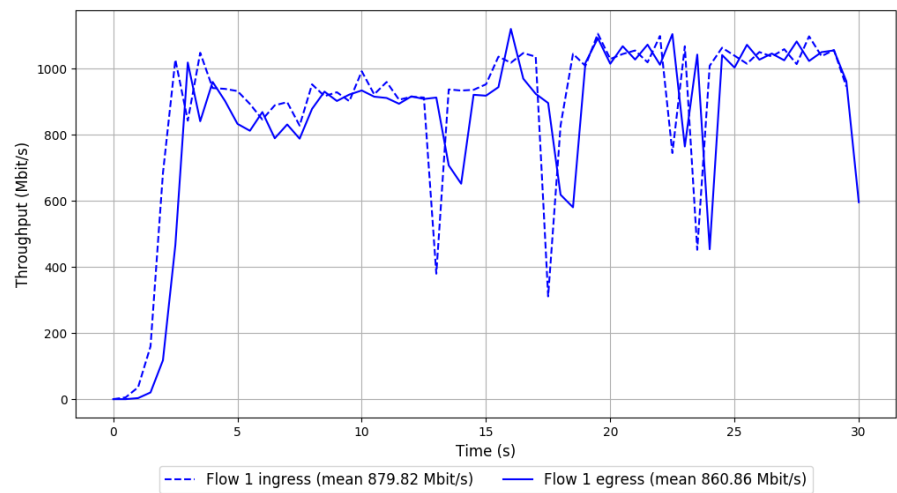
Run 2: Report of FillP-Sheep — Data Link

```
Run 3: Statistics of FillP-Sheep

Start at: 2018-08-02 15:25:38
End at: 2018-08-02 15:26:08
Local clock offset: -0.215 ms
Remote clock offset: 0.347 ms


# Below is generated by plot.py at 2018-08-02 19:08:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 754.01 Mbit/s
95th percentile per-packet one-way delay: 206.131 ms
Loss rate: 6.19%
-- Flow 1:
Average throughput: 754.01 Mbit/s
95th percentile per-packet one-way delay: 206.131 ms
Loss rate: 6.19%
```
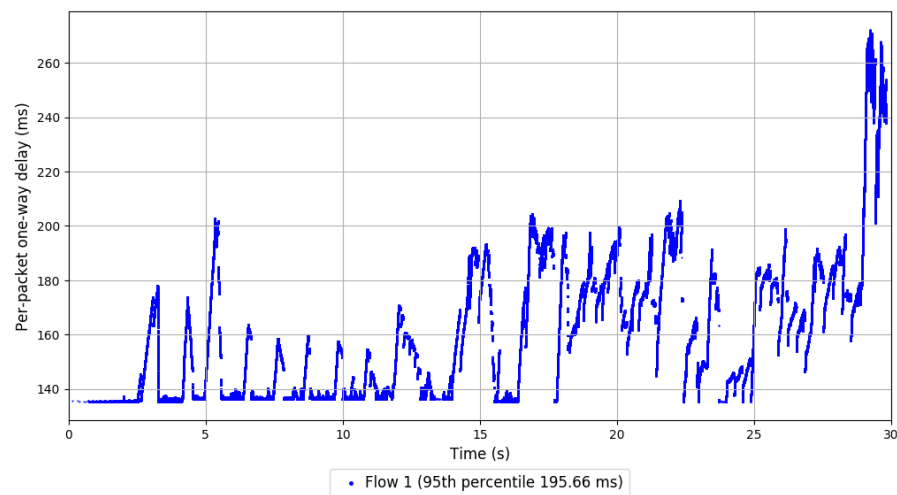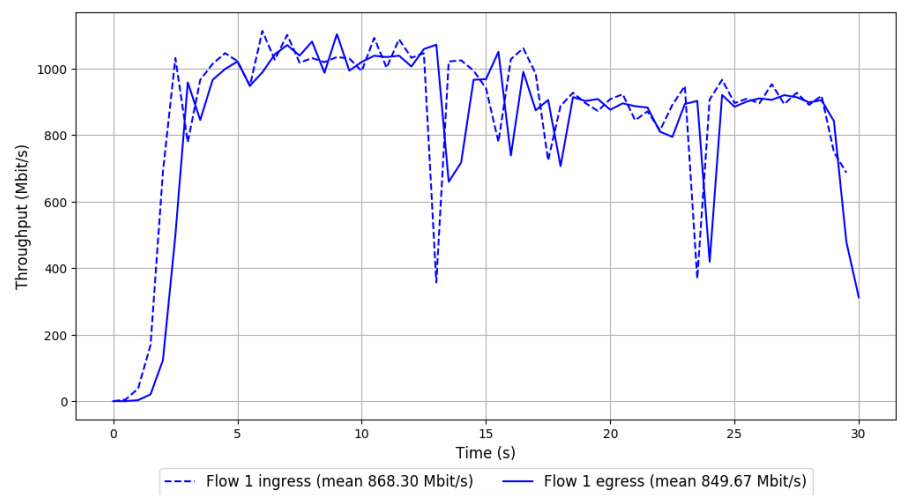
Run 3: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 796.48 Mbit/s)   Flow 1 egress (mean 754.01 Mbit/s)

• Flow 1 (95th percentile 206.13 ms)

```
Run 4: Statistics of FillP-Sheep

Start at: 2018-08-02 15:49:10
End at: 2018-08-02 15:49:40
Local clock offset: 0.168 ms
Remote clock offset: 0.484 ms


# Below is generated by plot.py at 2018-08-02 19:08:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 860.86 Mbit/s
95th percentile per-packet one-way delay: 195.668 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 860.86 Mbit/s
95th percentile per-packet one-way delay: 195.668 ms
Loss rate: 3.04%
```
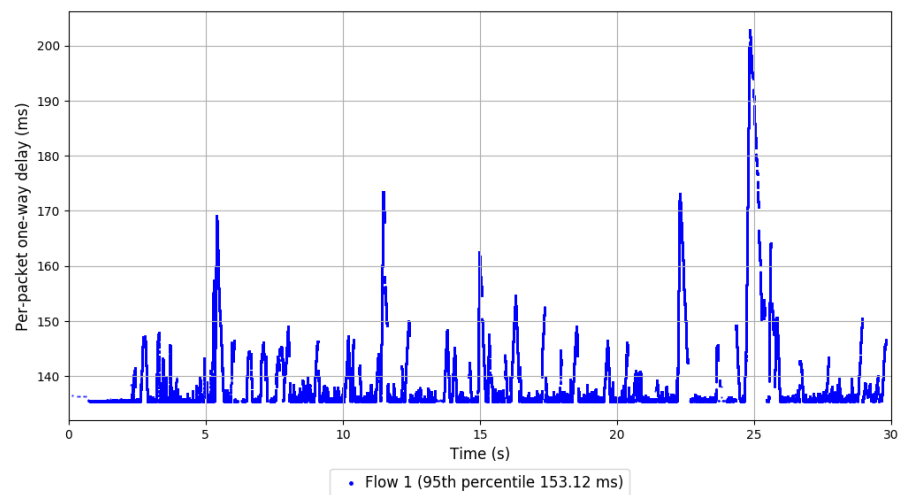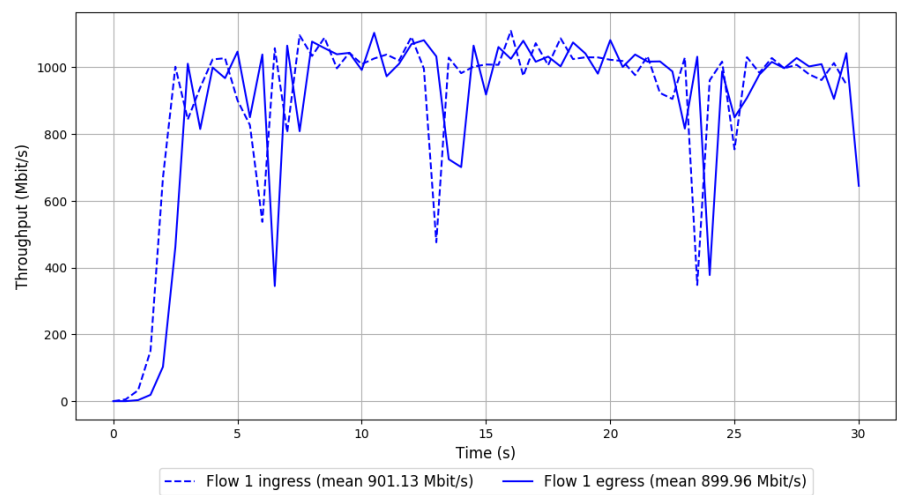
Run 4: Report of FillP-Sheep — Data Link

```
Run 5: Statistics of FillP-Sheep

Start at: 2018-08-02 16:12:23
End at: 2018-08-02 16:12:53
Local clock offset: 0.089 ms
Remote clock offset: 0.448 ms


# Below is generated by plot.py at 2018-08-02 19:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 849.67 Mbit/s
95th percentile per-packet one-way delay: 195.665 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 849.67 Mbit/s
95th percentile per-packet one-way delay: 195.665 ms
Loss rate: 3.04%
```
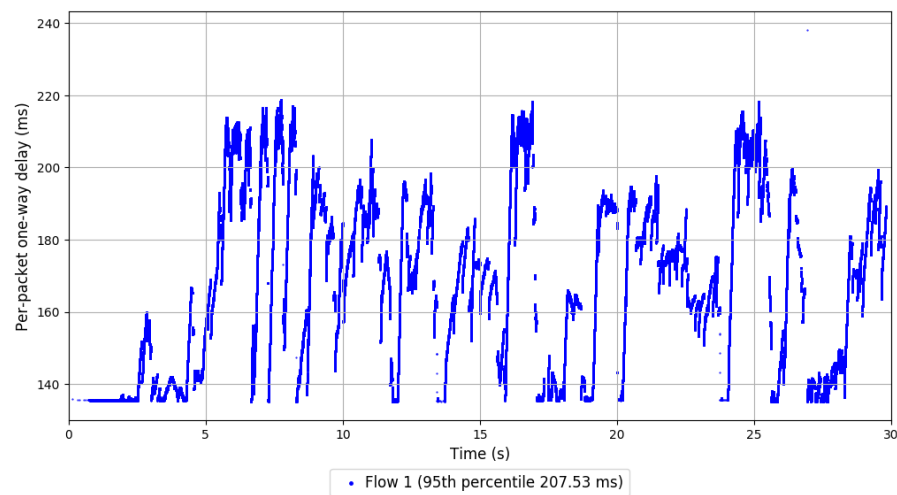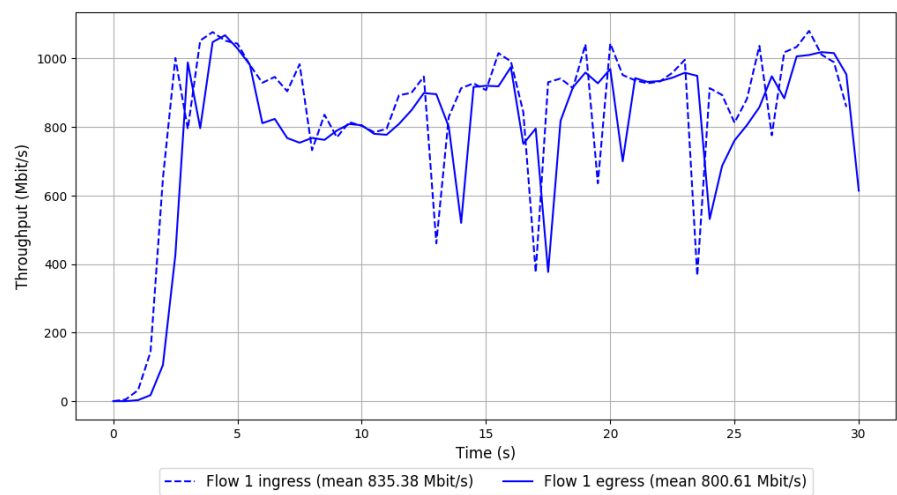
Run 5: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 868.30 Mbit/s) Flow 1 egress (mean 849.67 Mbit/s)

· Flow 1 (95th percentile 195.66 ms)

```
Run 6: Statistics of FillP-Sheep

Start at: 2018-08-02 16:35:27
End at: 2018-08-02 16:35:57
Local clock offset: 0.132 ms
Remote clock offset: 0.019 ms


# Below is generated by plot.py at 2018-08-02 19:10:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 899.96 Mbit/s
95th percentile per-packet one-way delay: 153.125 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 899.96 Mbit/s
95th percentile per-packet one-way delay: 153.125 ms
Loss rate: 1.04%
```
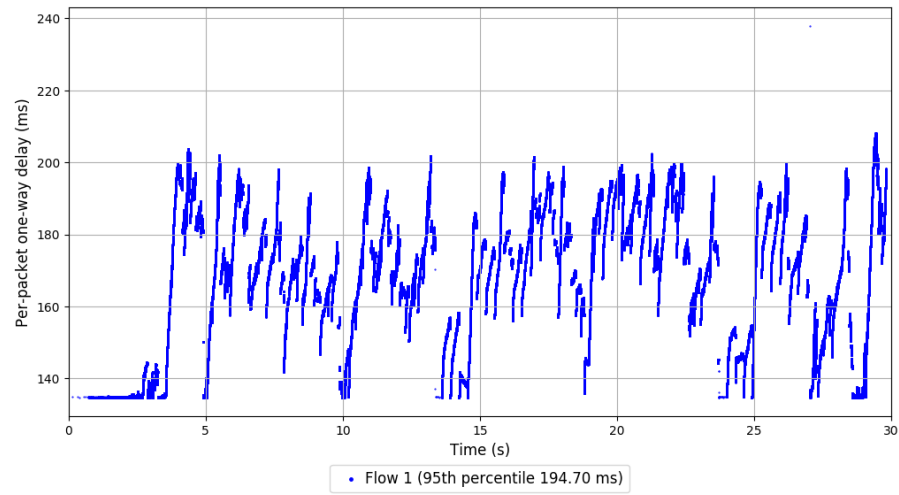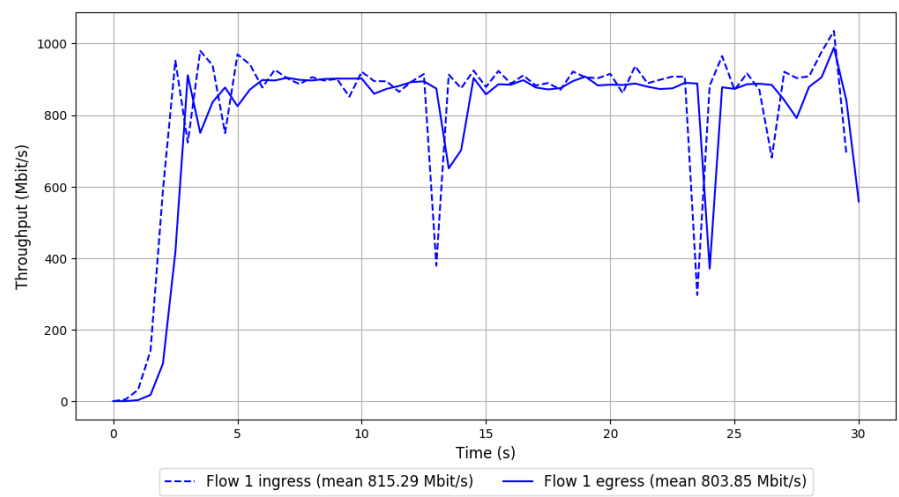
Run 6: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 901.13 Mbit/s) ----- Flow 1 egress (mean 899.96 Mbit/s)

• Flow 1 (95th percentile 153.12 ms)

```
Run 7: Statistics of FillP-Sheep

Start at: 2018-08-02 16:58:42
End at: 2018-08-02 16:59:12
Local clock offset: -0.135 ms
Remote clock offset: 0.002 ms


# Below is generated by plot.py at 2018-08-02 19:20:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 800.61 Mbit/s
95th percentile per-packet one-way delay: 207.527 ms
Loss rate: 4.86%
-- Flow 1:
Average throughput: 800.61 Mbit/s
95th percentile per-packet one-way delay: 207.527 ms
Loss rate: 4.86%
```
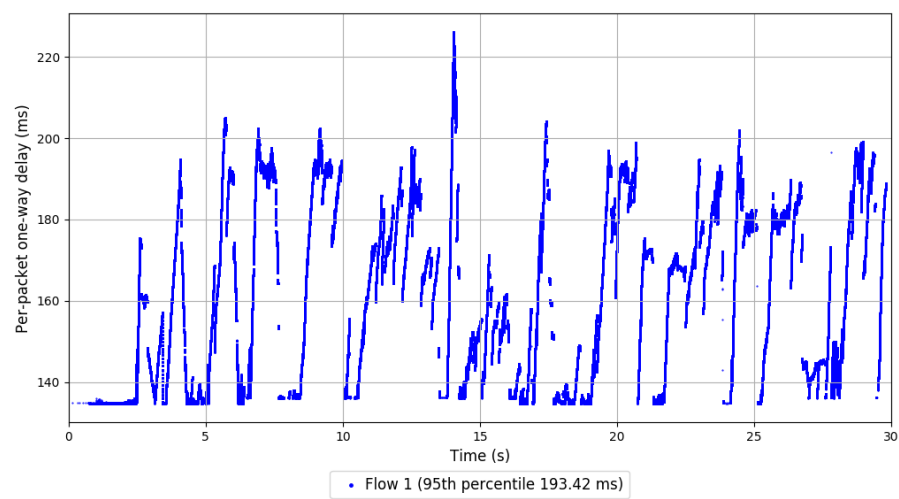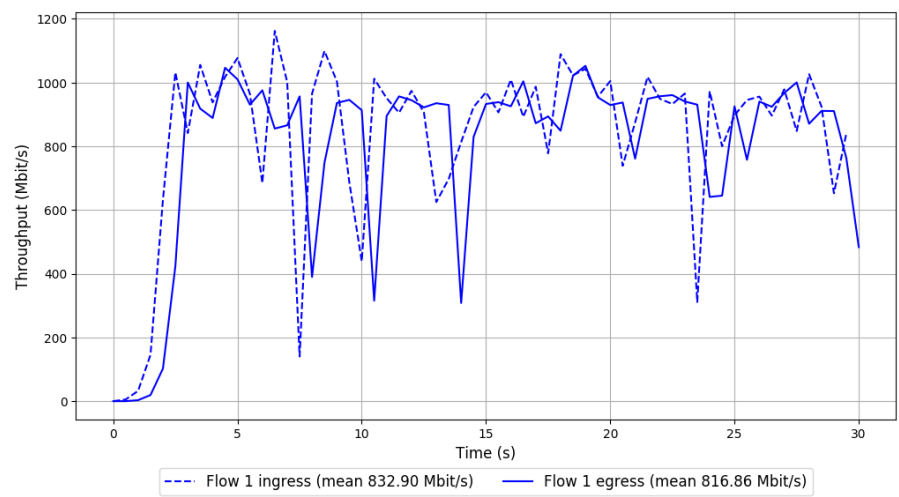
Run 7: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 835.38 Mbit/s) --- Flow 1 egress (mean 800.61 Mbit/s)

• Flow 1 (95th percentile 207.53 ms)

```
Run 8: Statistics of FillP-Sheep

Start at: 2018-08-02 17:22:16
End at: 2018-08-02 17:22:46
Local clock offset: 0.129 ms
Remote clock offset: 0.39 ms


# Below is generated by plot.py at 2018-08-02 19:20:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 803.85 Mbit/s
95th percentile per-packet one-way delay: 194.702 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 803.85 Mbit/s
95th percentile per-packet one-way delay: 194.702 ms
Loss rate: 2.30%
```
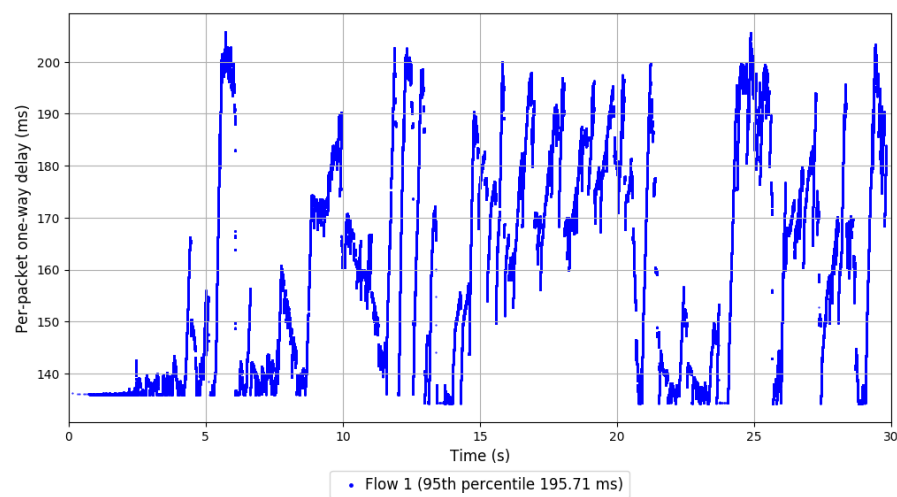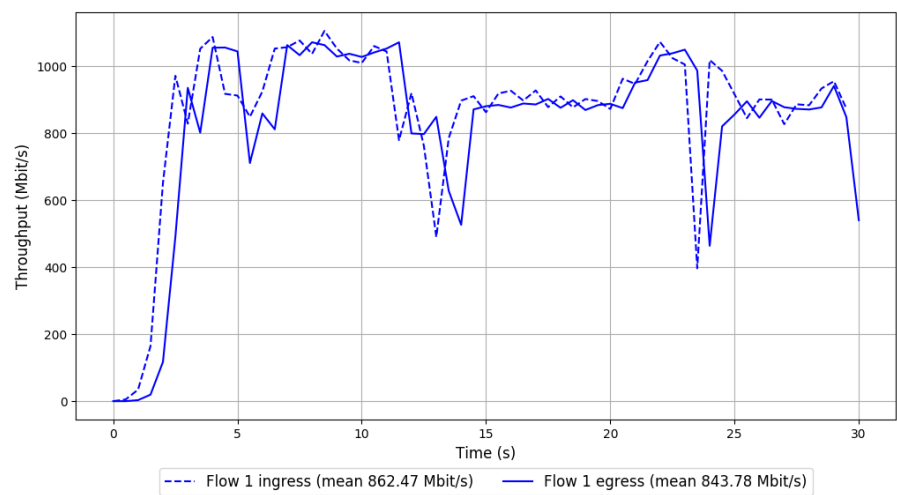
Run 8: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 815.29 Mbit/s) Flow 1 egress (mean 803.85 Mbit/s)

• Flow 1 (95th percentile 194.70 ms)

```
Run 9: Statistics of FillP-Sheep

Start at: 2018-08-02 17:45:21
End at: 2018-08-02 17:45:51
Local clock offset: -0.157 ms
Remote clock offset: 0.076 ms


# Below is generated by plot.py at 2018-08-02 19:21:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 816.86 Mbit/s
95th percentile per-packet one-way delay: 193.420 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 816.86 Mbit/s
95th percentile per-packet one-way delay: 193.420 ms
Loss rate: 2.81%
```
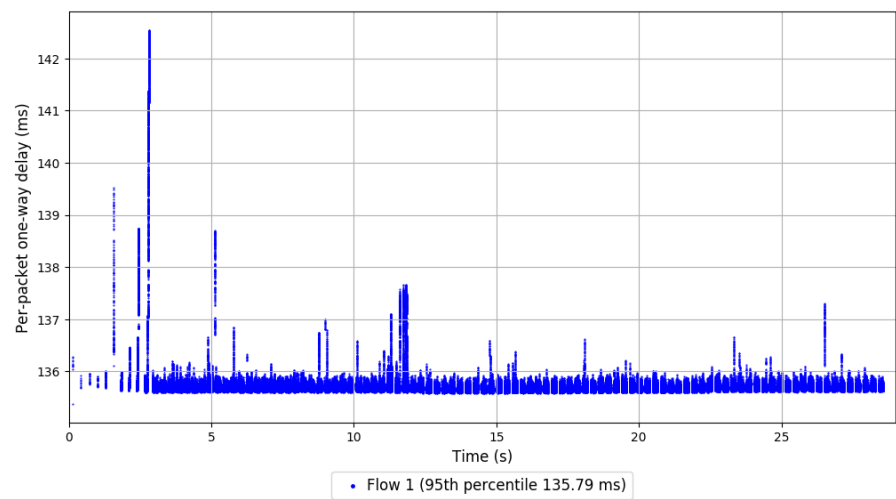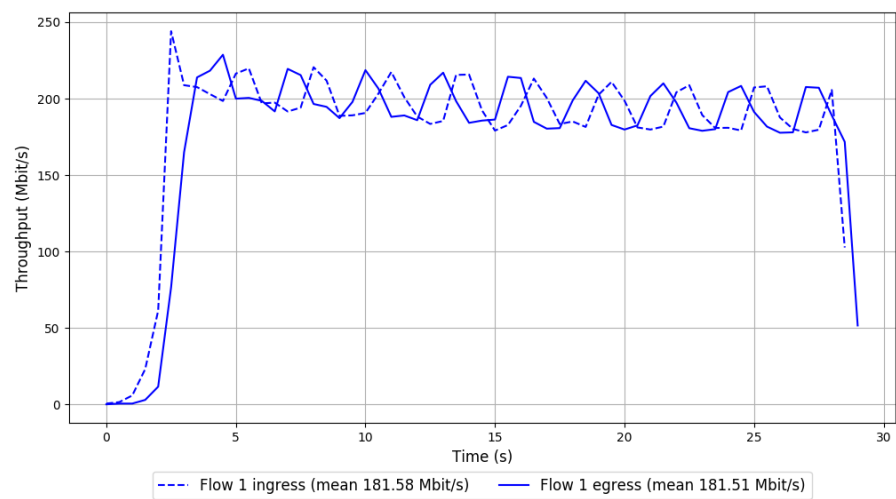
Run 9: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 832.90 Mbit/s) ---- Flow 1 egress (mean 816.86 Mbit/s) ——

• Flow 1 (95th percentile 193.42 ms)

```
Run 10: Statistics of FillP-Sheep

Start at: 2018-08-02 18:08:25
End at: 2018-08-02 18:08:55
Local clock offset: 0.039 ms
Remote clock offset: 0.447 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 843.78 Mbit/s
95th percentile per-packet one-way delay: 195.706 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 843.78 Mbit/s
95th percentile per-packet one-way delay: 195.706 ms
Loss rate: 3.05%
```
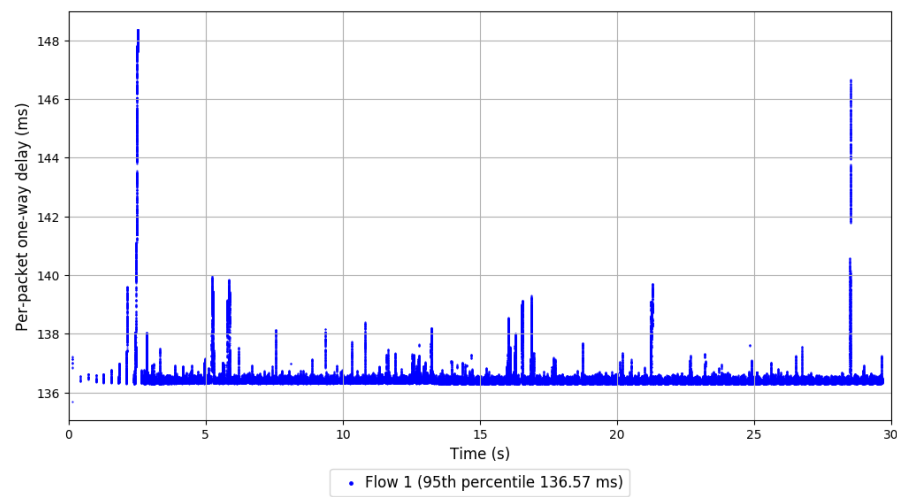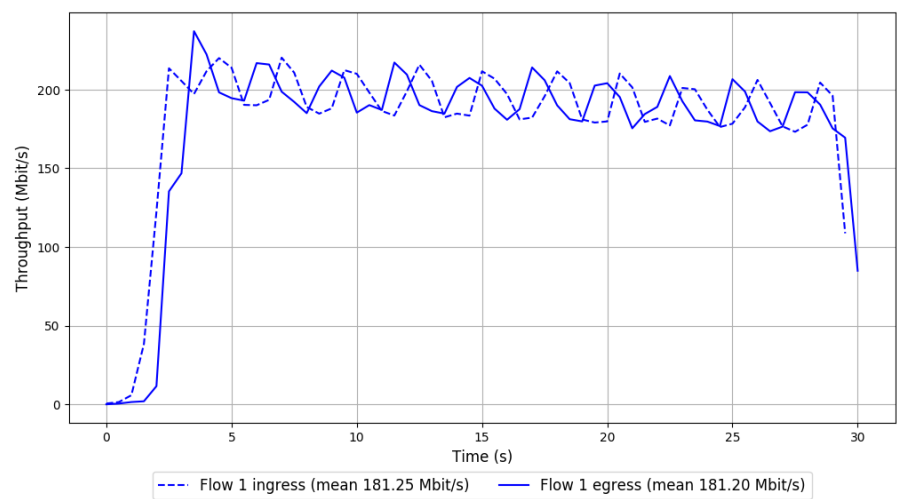
Run 10: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 862.47 Mbit/s)   Flow 1 egress (mean 843.78 Mbit/s)

Flow 1 (95th percentile 195.71 ms)

```
Run 1: Statistics of Indigo

Start at: 2018-08-02 14:23:34
End at: 2018-08-02 14:24:04
Local clock offset: -0.264 ms
Remote clock offset: -0.203 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.51 Mbit/s
95th percentile per-packet one-way delay: 135.786 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 181.51 Mbit/s
95th percentile per-packet one-way delay: 135.786 ms
Loss rate: 0.98%
```
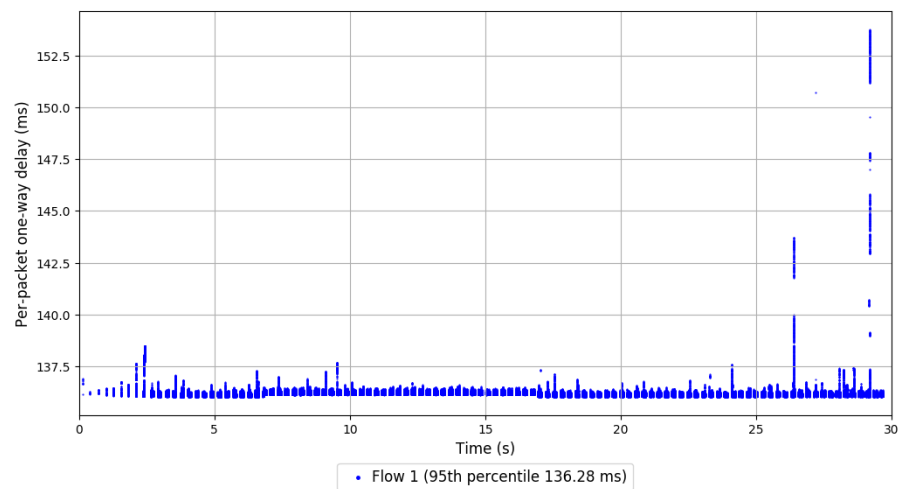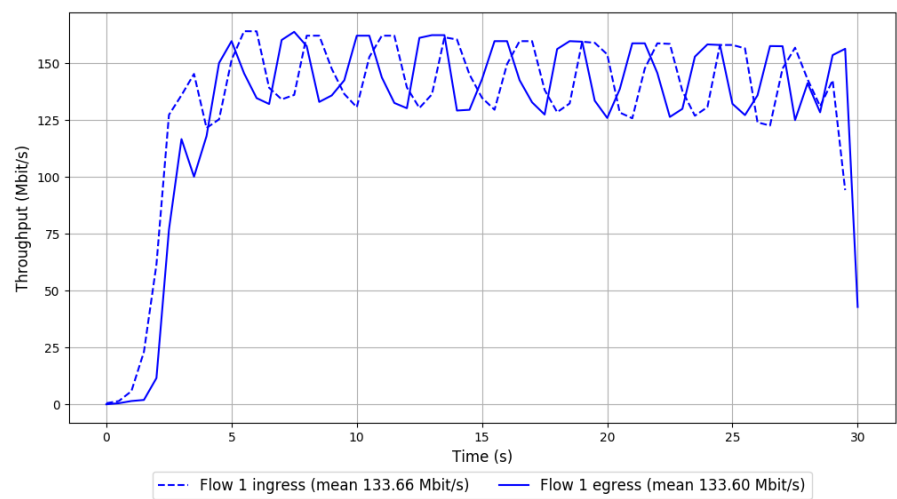
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2018-08-02 14:46:54
End at: 2018-08-02 14:47:24
Local clock offset: -0.289 ms
Remote clock offset: 0.185 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.20 Mbit/s
95th percentile per-packet one-way delay: 136.572 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 181.20 Mbit/s
95th percentile per-packet one-way delay: 136.572 ms
Loss rate: 0.94%
```
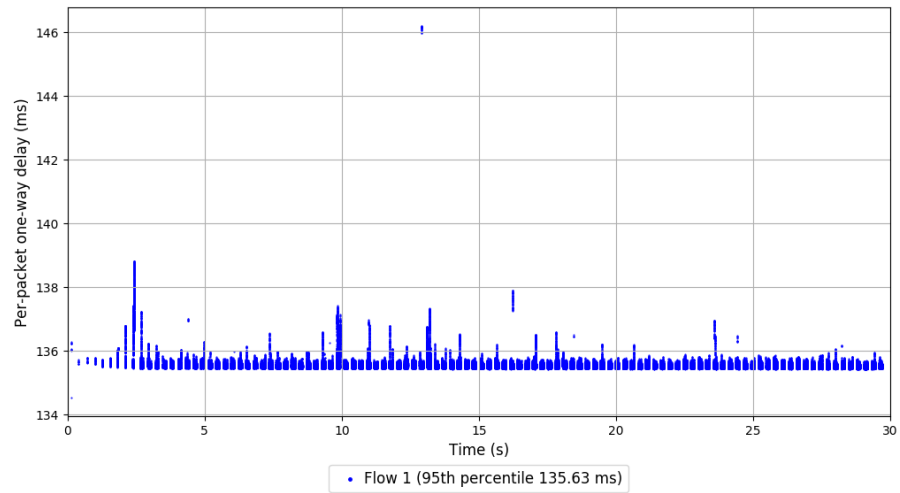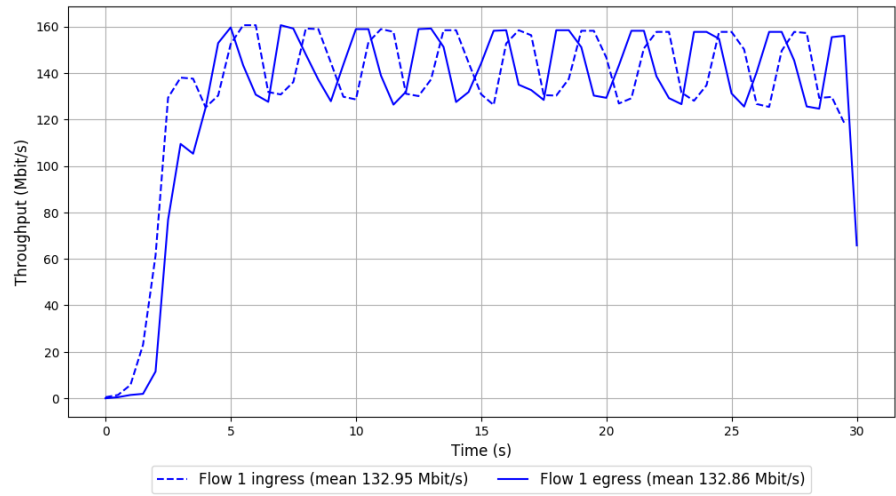
Run 2: Report of Indigo — Data Link

Flow 1 ingress (mean 181.25 Mbit/s) ----   Flow 1 egress (mean 181.20 Mbit/s) ——

• Flow 1 (95th percentile 136.57 ms)

```
Run 3: Statistics of Indigo

Start at: 2018-08-02 15:09:51
End at: 2018-08-02 15:10:21
Local clock offset: -0.4 ms
Remote clock offset: 0.678 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.60 Mbit/s
95th percentile per-packet one-way delay: 136.284 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 133.60 Mbit/s
95th percentile per-packet one-way delay: 136.284 ms
Loss rate: 0.96%
```
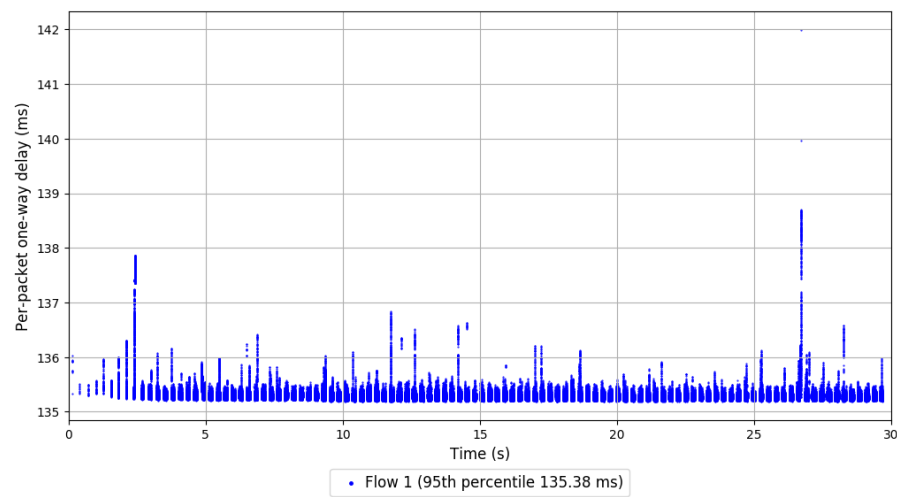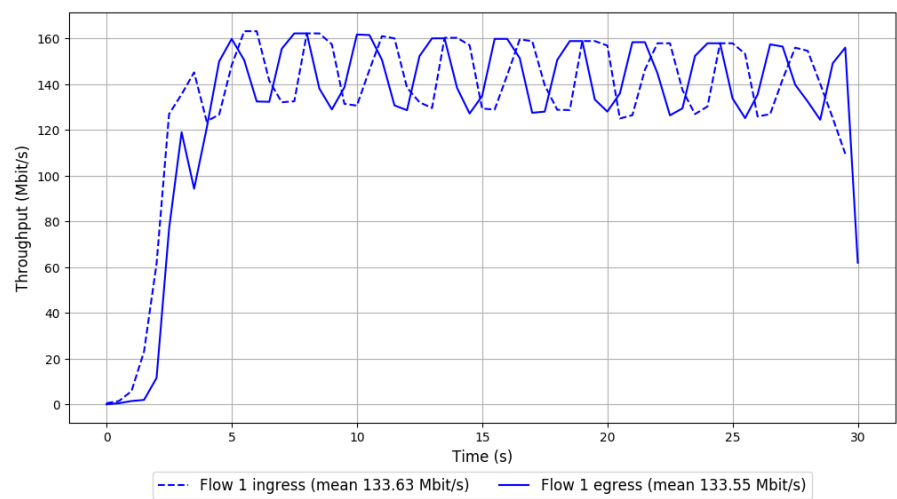
Run 3: Report of Indigo — Data Link

Flow 1 ingress (mean 133.66 Mbit/s)   Flow 1 egress (mean 133.60 Mbit/s)

Flow 1 (95th percentile 136.28 ms)

```
Run 4: Statistics of Indigo

Start at: 2018-08-02 15:33:12
End at: 2018-08-02 15:33:42
Local clock offset: -0.262 ms
Remote clock offset: 0.247 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.86 Mbit/s
95th percentile per-packet one-way delay: 135.634 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 132.86 Mbit/s
95th percentile per-packet one-way delay: 135.634 ms
Loss rate: 0.97%
```
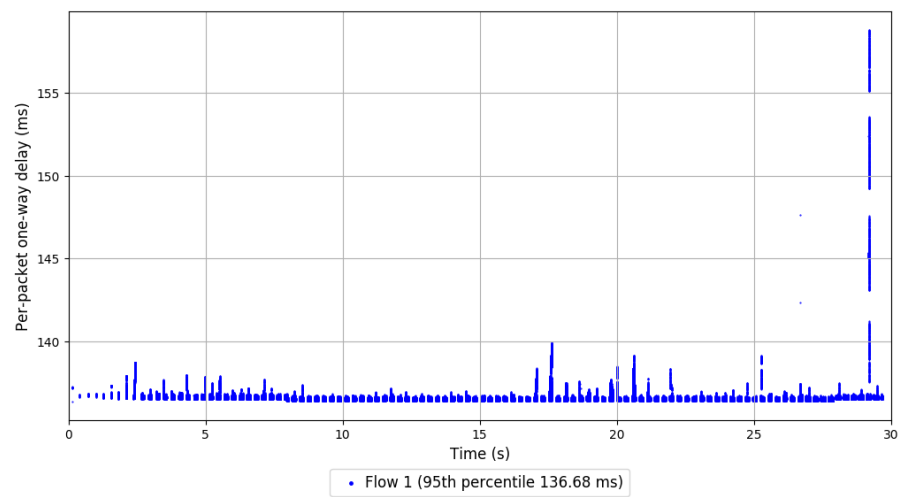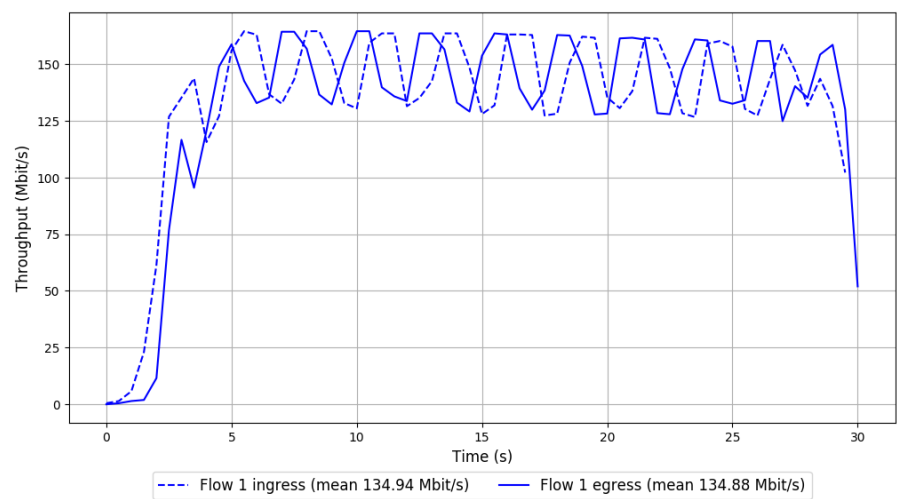
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2018-08-02 15:56:48
End at: 2018-08-02 15:57:18
Local clock offset: 0.104 ms
Remote clock offset: 0.466 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.55 Mbit/s
95th percentile per-packet one-way delay: 135.377 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 133.55 Mbit/s
95th percentile per-packet one-way delay: 135.377 ms
Loss rate: 0.97%
```
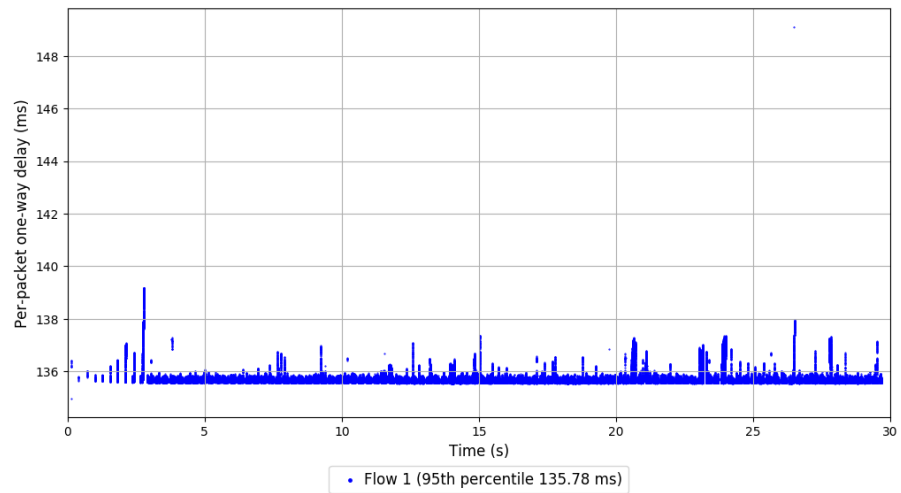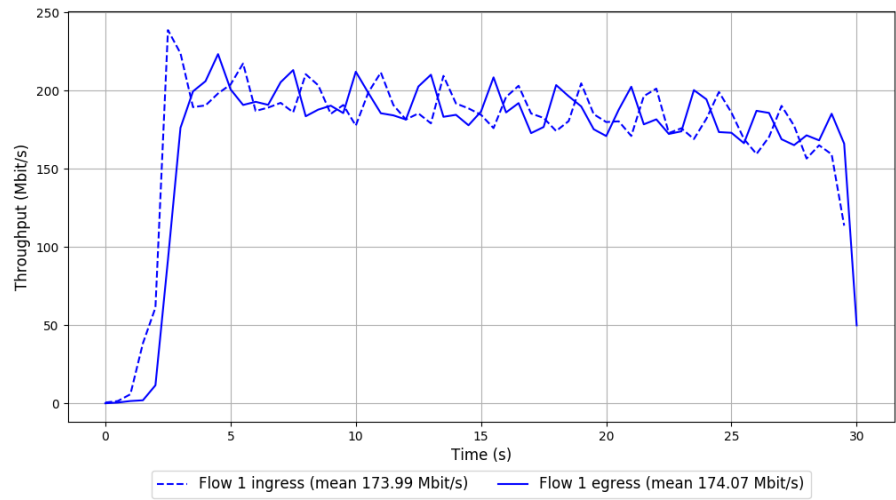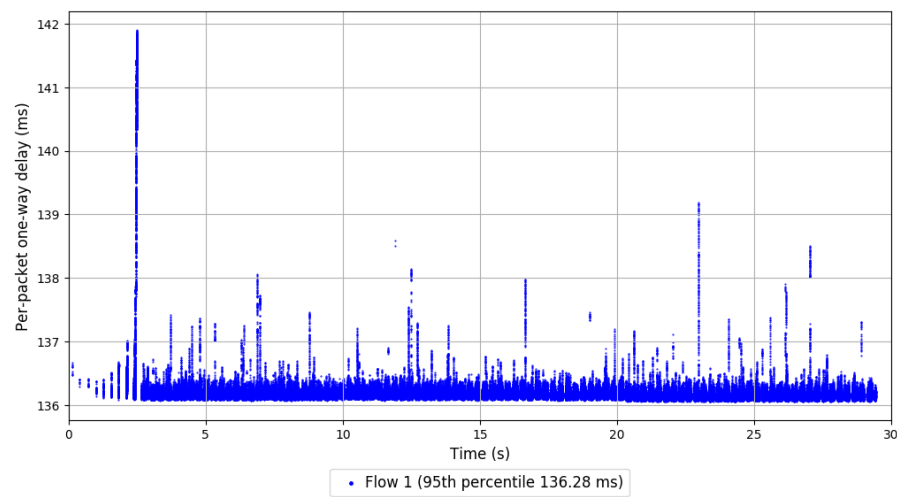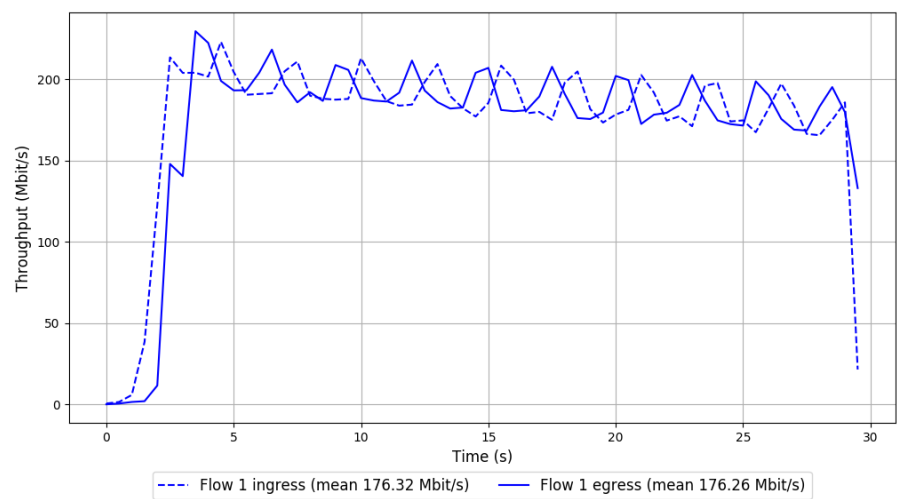
Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2018-08-02 16:20:00
End at: 2018-08-02 16:20:30
Local clock offset: 0.049 ms
Remote clock offset: 0.053 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.88 Mbit/s
95th percentile per-packet one-way delay: 136.679 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 134.88 Mbit/s
95th percentile per-packet one-way delay: 136.679 ms
Loss rate: 0.96%
```

Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2018-08-02 16:43:06
End at: 2018-08-02 16:43:36
Local clock offset: -0.036 ms
Remote clock offset: 0.029 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.07 Mbit/s
95th percentile per-packet one-way delay: 135.781 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 174.07 Mbit/s
95th percentile per-packet one-way delay: 135.781 ms
Loss rate: 0.87%
```
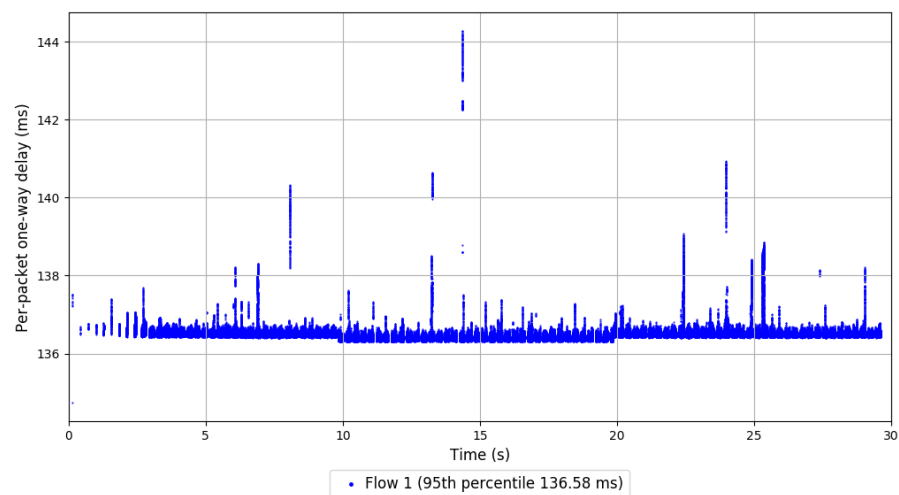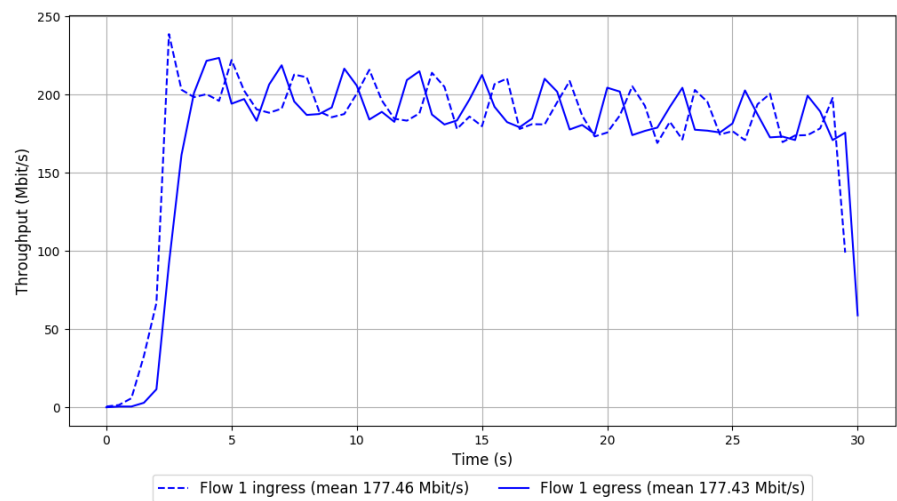
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-08-02 17:06:17
End at: 2018-08-02 17:06:47
Local clock offset: 0.114 ms
Remote clock offset: -0.368 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.26 Mbit/s
95th percentile per-packet one-way delay: 136.276 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 176.26 Mbit/s
95th percentile per-packet one-way delay: 136.276 ms
Loss rate: 0.93%
```
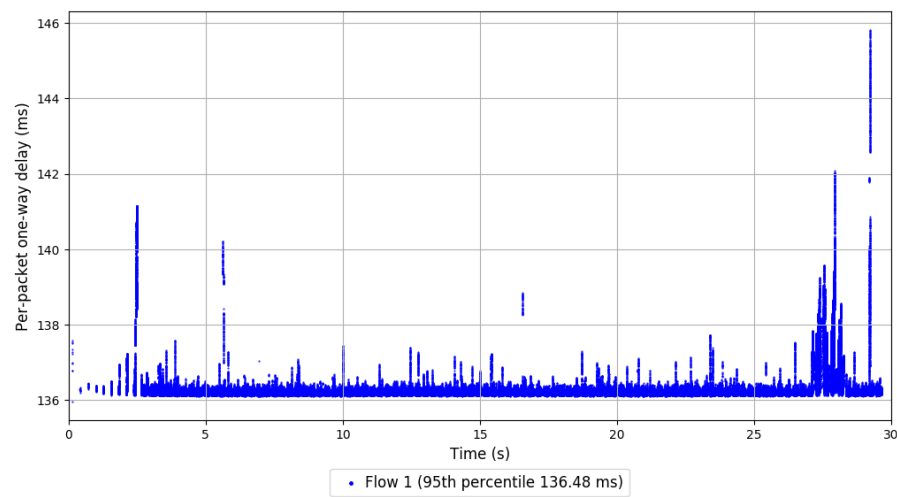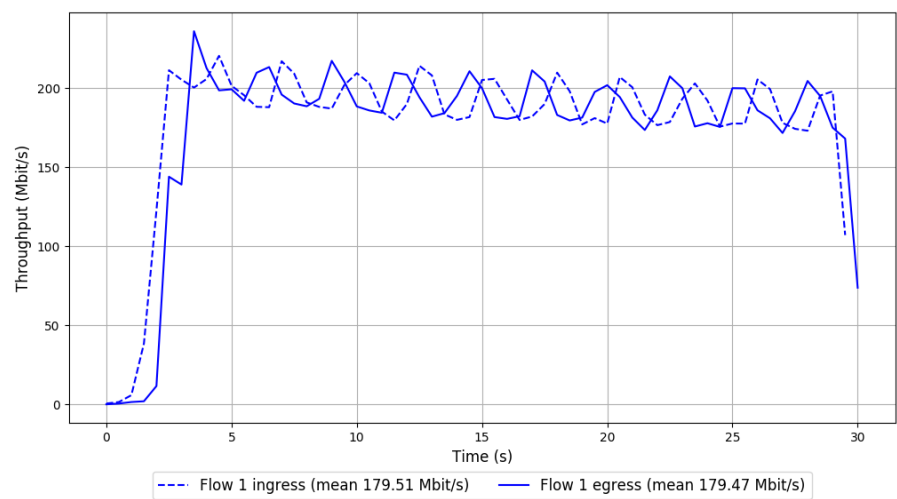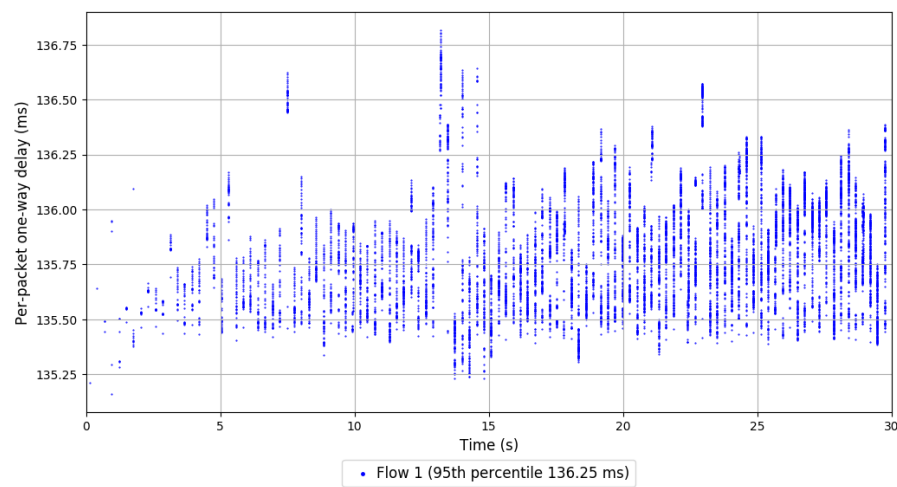
Run 8: Report of Indigo — Data Link

Flow 1 ingress (mean 176.32 Mbit/s)   Flow 1 egress (mean 176.26 Mbit/s)

Flow 1 (95th percentile 136.28 ms)

```
Run 9: Statistics of Indigo

Start at: 2018-08-02 17:29:38
End at: 2018-08-02 17:30:08
Local clock offset: -0.052 ms
Remote clock offset: 0.09 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.43 Mbit/s
95th percentile per-packet one-way delay: 136.584 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 177.43 Mbit/s
95th percentile per-packet one-way delay: 136.584 ms
Loss rate: 0.94%
```
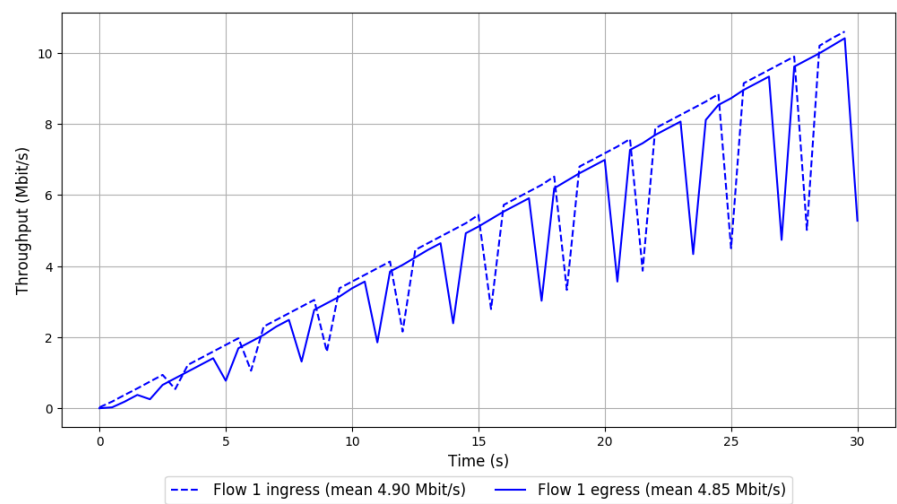
Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2018-08-02 17:52:58
End at: 2018-08-02 17:53:28
Local clock offset: 0.085 ms
Remote clock offset: 0.419 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.47 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 179.47 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 0.94%
```
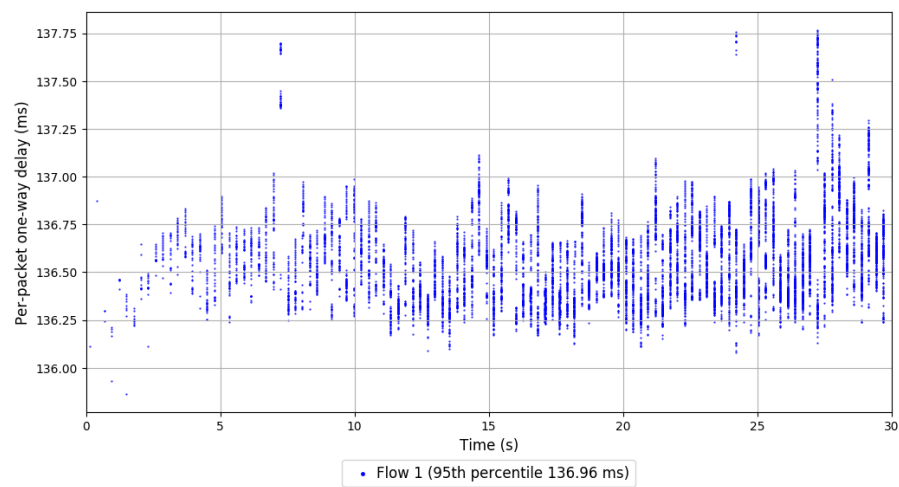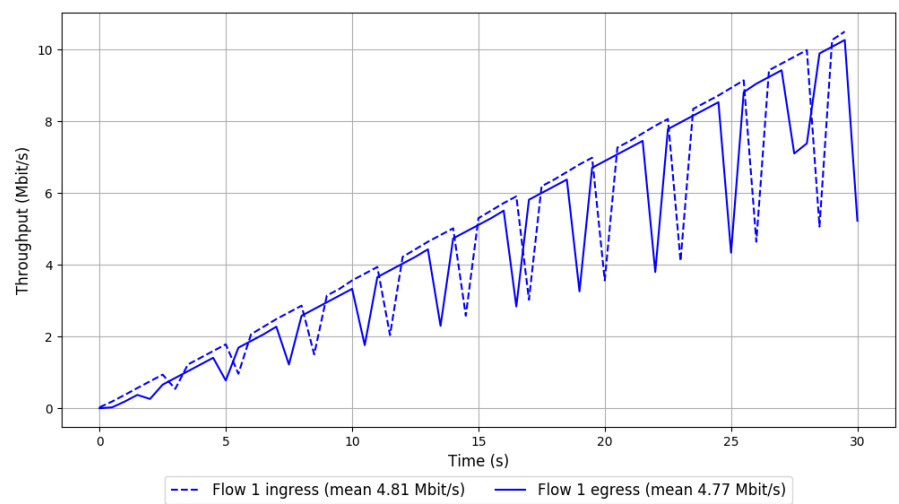
Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 179.51 Mbit/s) — — — Flow 1 egress (mean 179.47 Mbit/s)

• Flow 1 (95th percentile 136.48 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2018-08-02 14:27:23
End at: 2018-08-02 14:27:53
Local clock offset: -0.308 ms
Remote clock offset: 0.297 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 136.252 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 136.252 ms
Loss rate: 1.82%
```
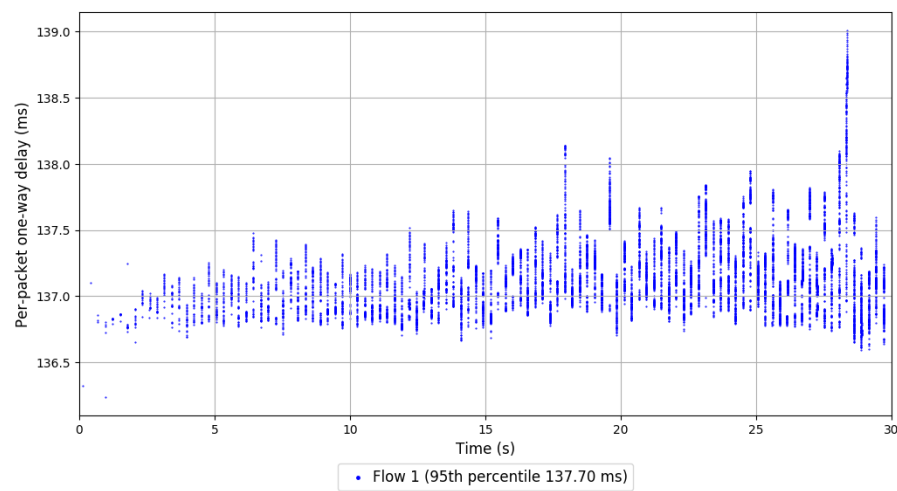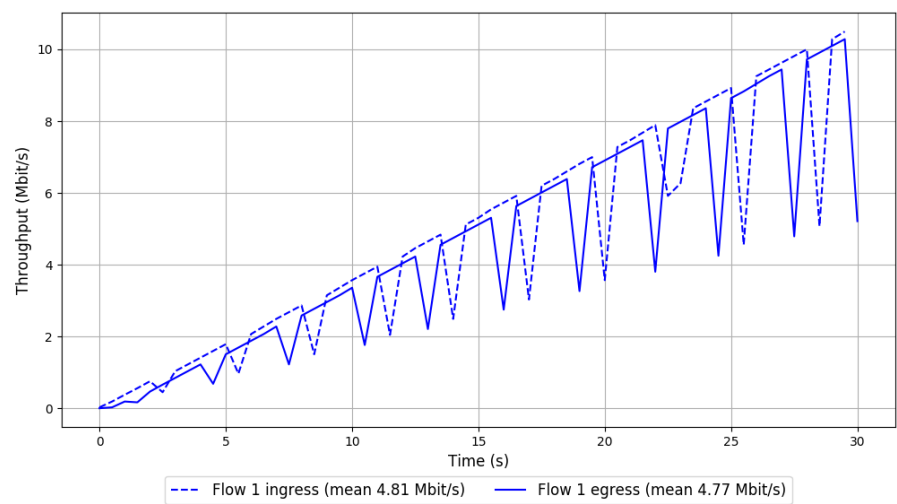
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 4.90 Mbit/s) — — — Flow 1 egress (mean 4.85 Mbit/s)

• Flow 1 (95th percentile 136.25 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2018-08-02 14:50:41
End at: 2018-08-02 14:51:11
Local clock offset: -0.258 ms
Remote clock offset: 0.534 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 136.960 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 136.960 ms
Loss rate: 1.84%
```
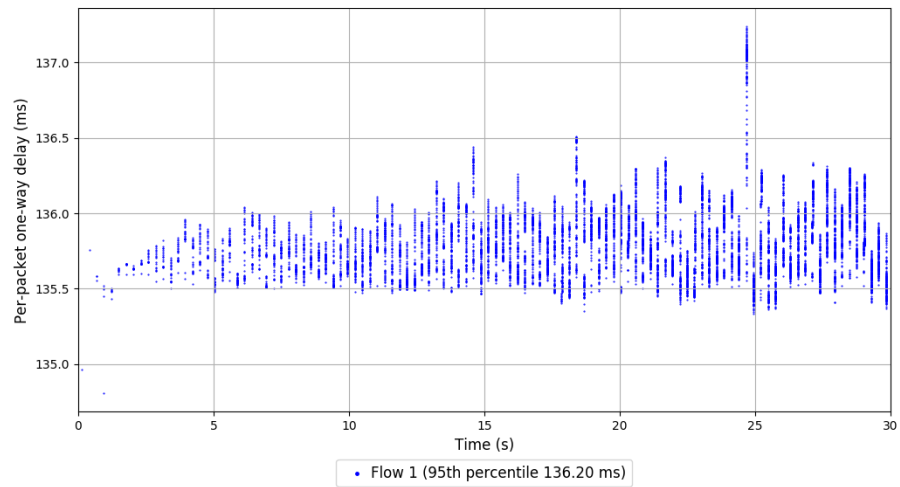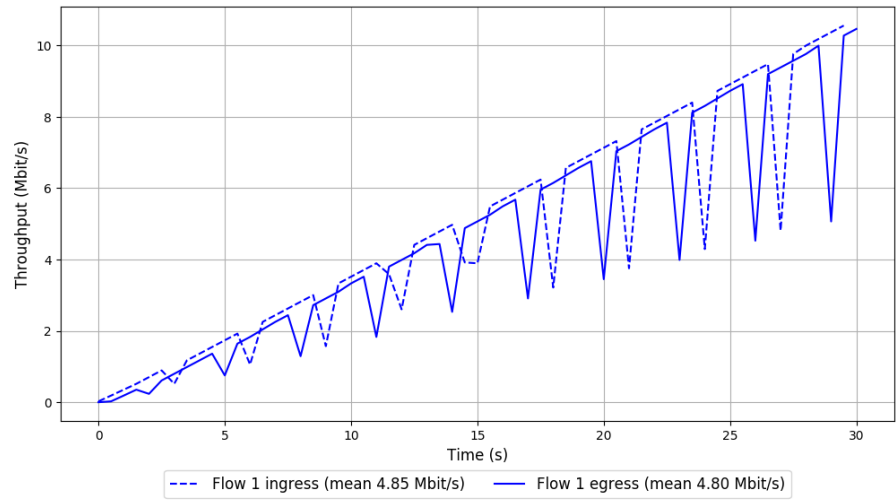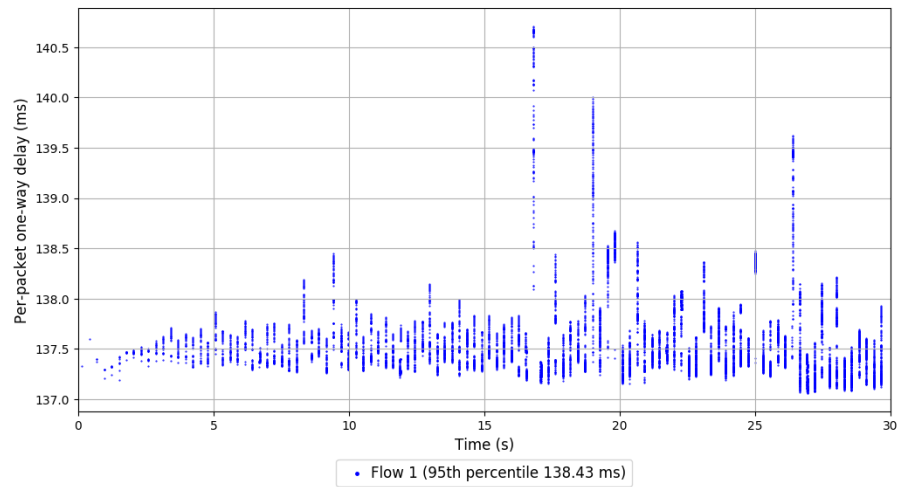
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 4.81 Mbit/s)   Flow 1 egress (mean 4.77 Mbit/s)

Flow 1 (95th percentile 136.96 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2018-08-02 15:13:32
End at: 2018-08-02 15:14:02
Local clock offset: -0.247 ms
Remote clock offset: 0.315 ms

# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.701 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.701 ms
Loss rate: 1.84%
```

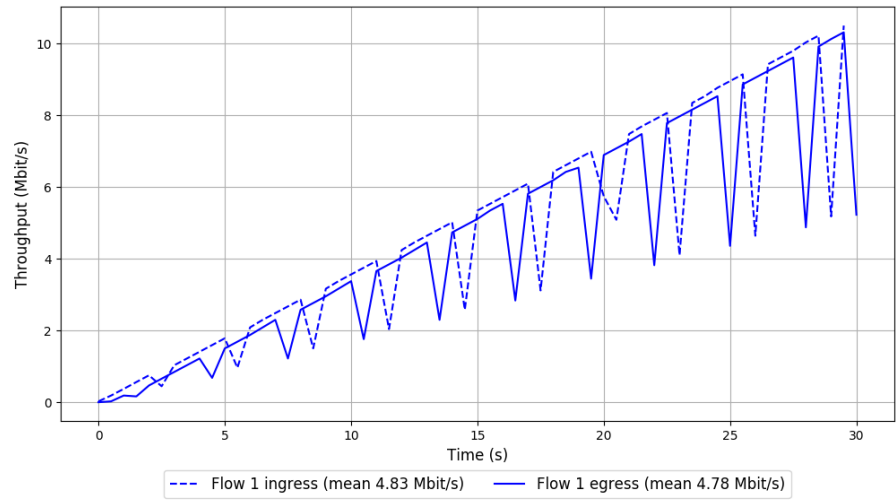# Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 4.81 Mbit/s) --- Flow 1 egress (mean 4.77 Mbit/s)

Flow 1 (95th percentile 137.70 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-08-02 15:36:57
End at: 2018-08-02 15:37:27
Local clock offset: 0.051 ms
Remote clock offset: 0.566 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 136.199 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 136.199 ms
Loss rate: 1.82%
```
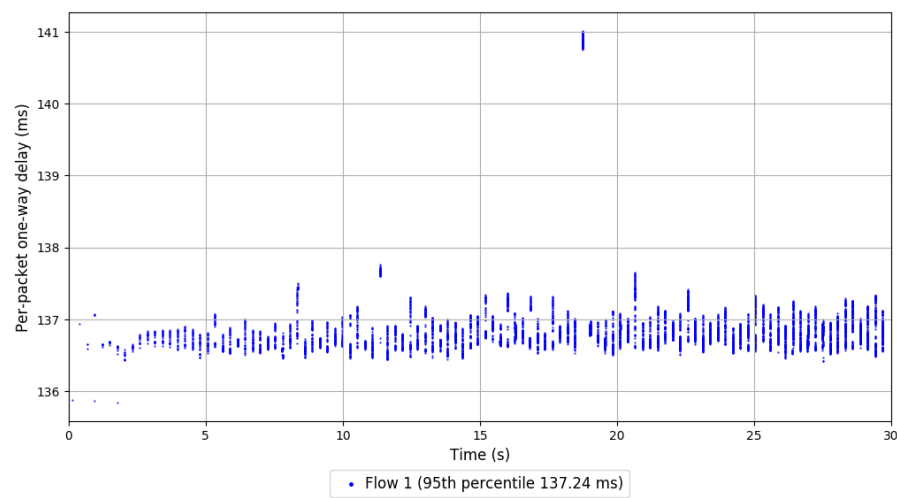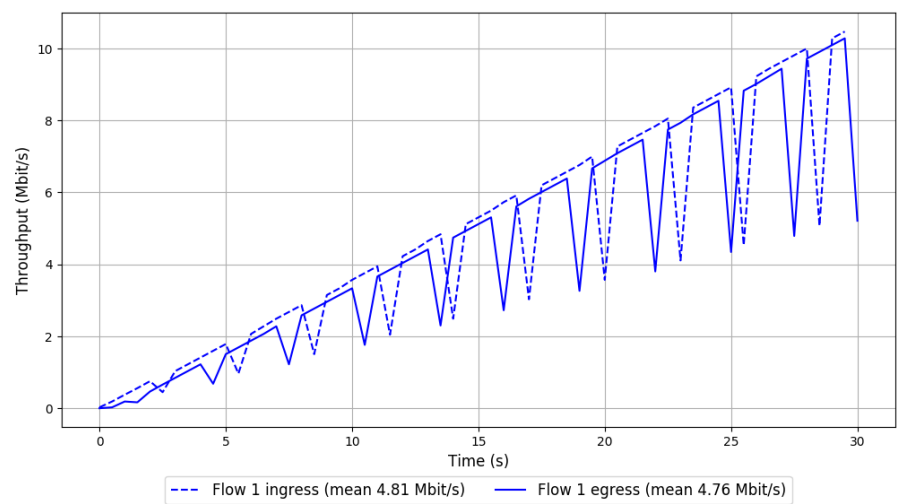
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 4.85 Mbit/s)   Flow 1 egress (mean 4.80 Mbit/s)

Flow 1 (95th percentile 136.20 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2018-08-02 16:00:31
End at: 2018-08-02 16:01:01
Local clock offset: 0.404 ms
Remote clock offset: -0.273 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 138.432 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 138.432 ms
Loss rate: 1.83%
```
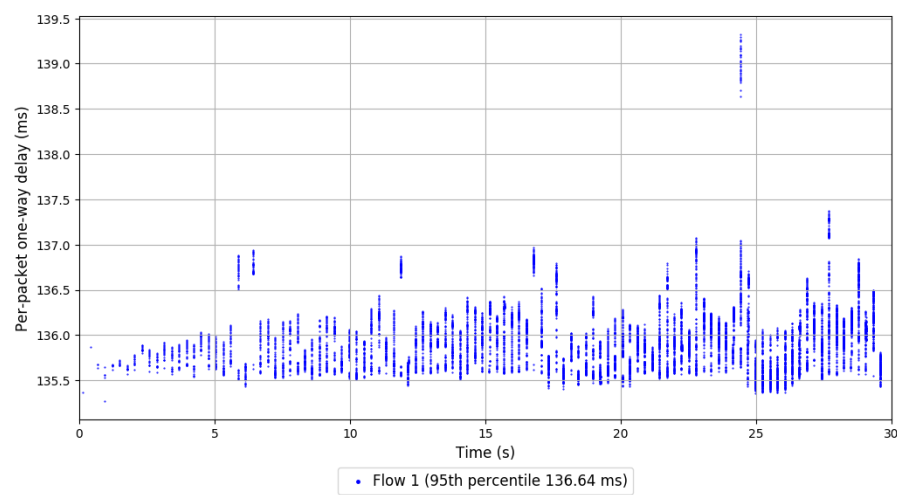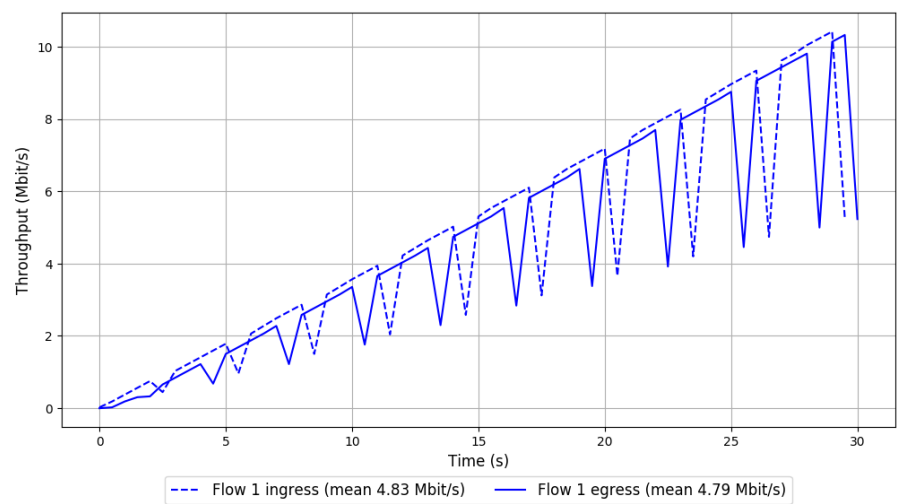
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 4.83 Mbit/s) --- Flow 1 egress (mean 4.78 Mbit/s)

Flow 1 (95th percentile 138.43 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-08-02 16:23:43
End at: 2018-08-02 16:24:13
Local clock offset: -0.027 ms
Remote clock offset: 0.013 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 137.239 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 137.239 ms
Loss rate: 1.83%
```
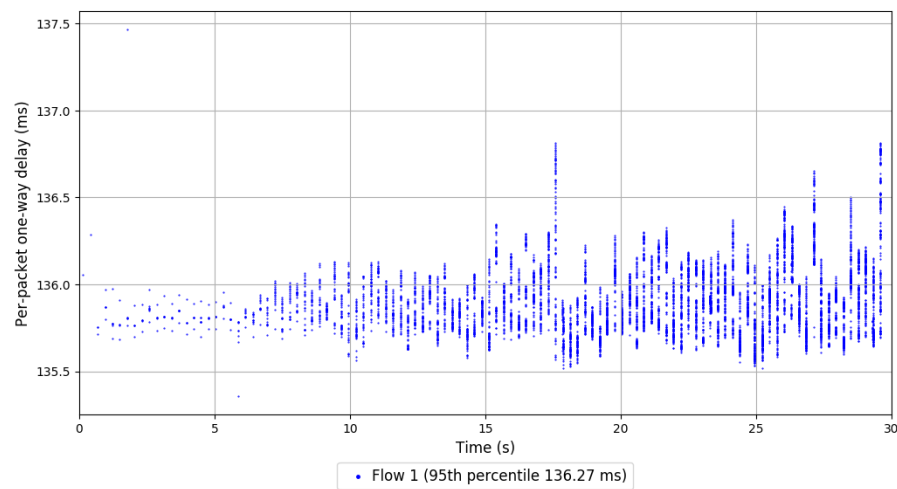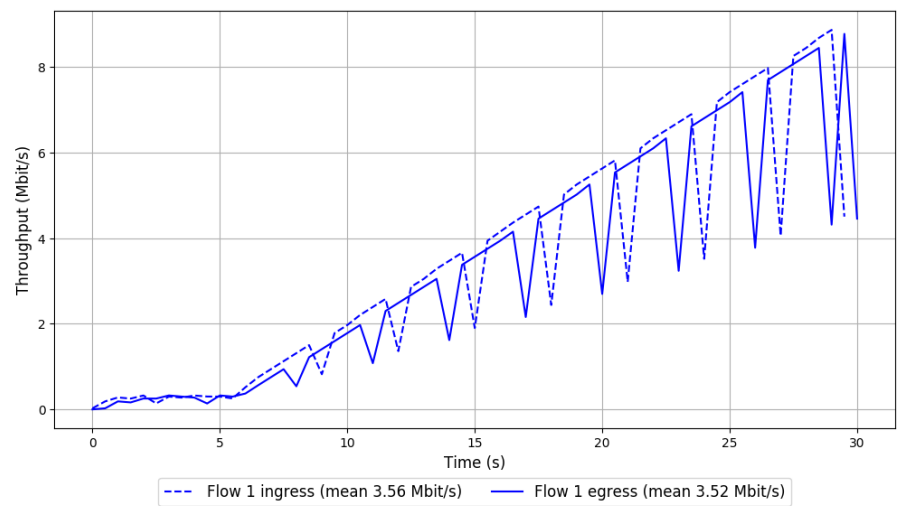
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 4.81 Mbit/s)   Flow 1 egress (mean 4.76 Mbit/s)

Flow 1 (95th percentile 137.24 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-08-02 16:46:53
End at: 2018-08-02 16:47:23
Local clock offset: 0.096 ms
Remote clock offset: 0.356 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 136.643 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 136.643 ms
Loss rate: 1.84%
```
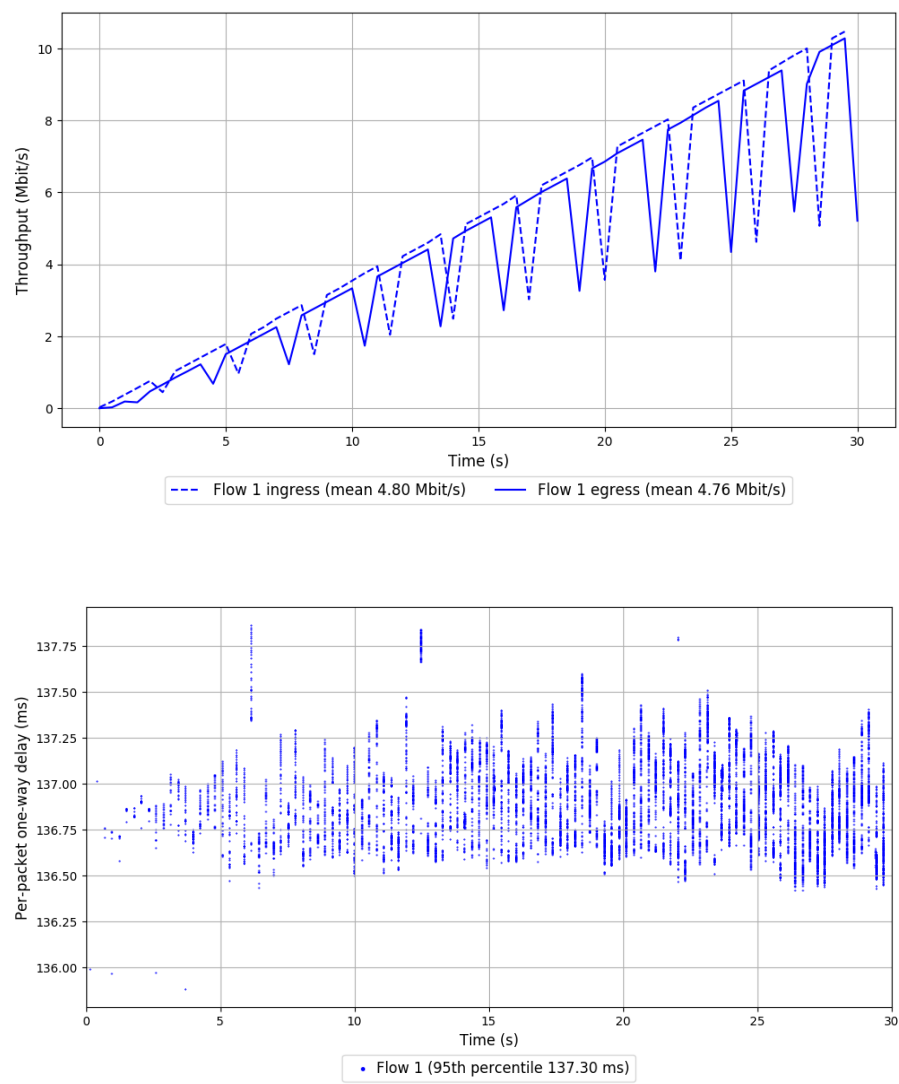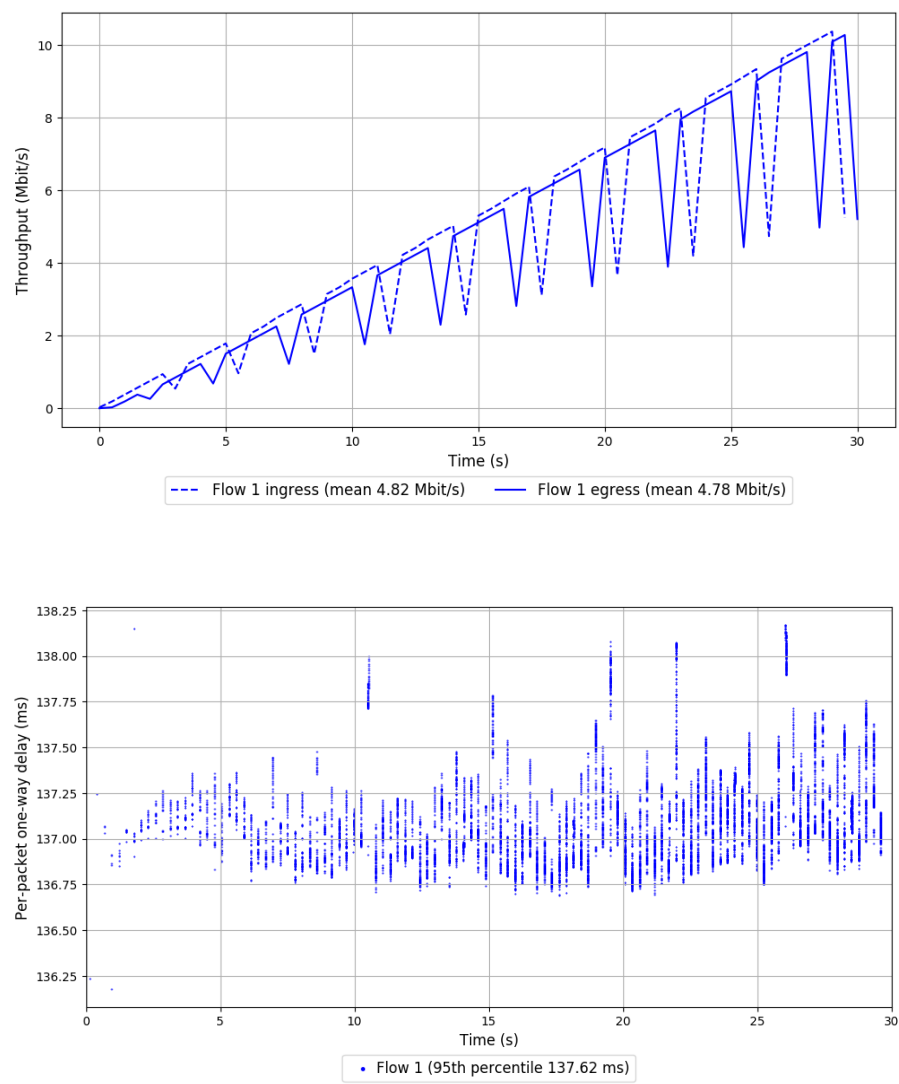
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 4.83 Mbit/s) --- Flow 1 egress (mean 4.79 Mbit/s)

Flow 1 (95th percentile 136.64 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-08-02 17:10:02
End at: 2018-08-02 17:10:32
Local clock offset: -0.025 ms
Remote clock offset: 0.061 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 136.271 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 136.271 ms
Loss rate: 2.13%
```
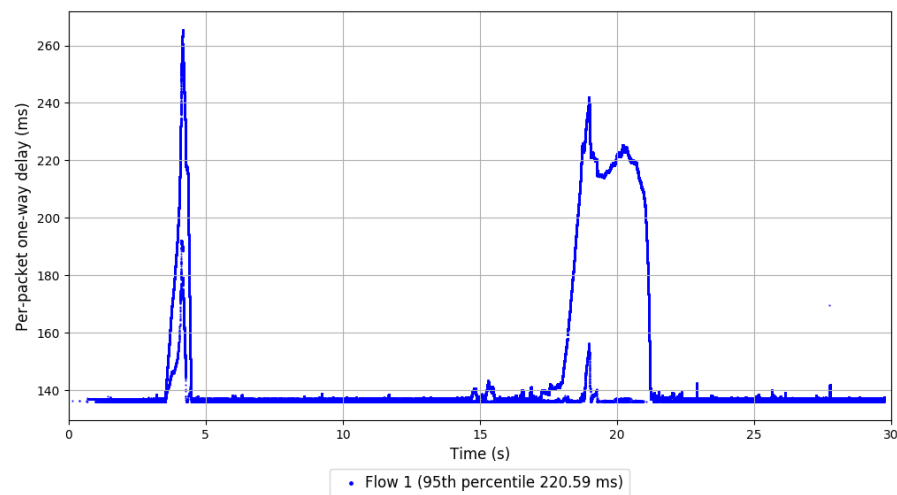
Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2018-08-02 17:33:23
End at: 2018-08-02 17:33:53
Local clock offset: 0.04 ms
Remote clock offset: 0.085 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 137.304 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 137.304 ms
Loss rate: 1.83%
```
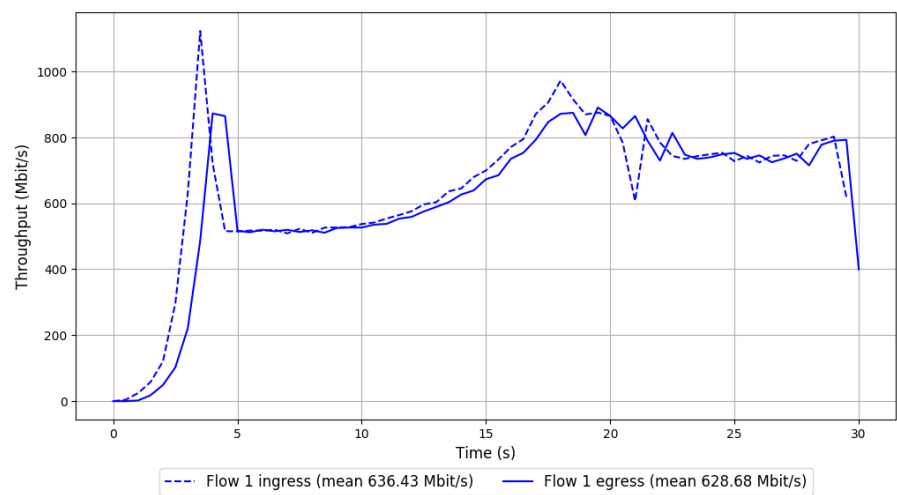
Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2018-08-02 17:56:42
End at: 2018-08-02 17:57:12
Local clock offset: -0.033 ms
Remote clock offset: -0.283 ms


# Below is generated by plot.py at 2018-08-02 19:21:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.624 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.624 ms
Loss rate: 1.83%
```
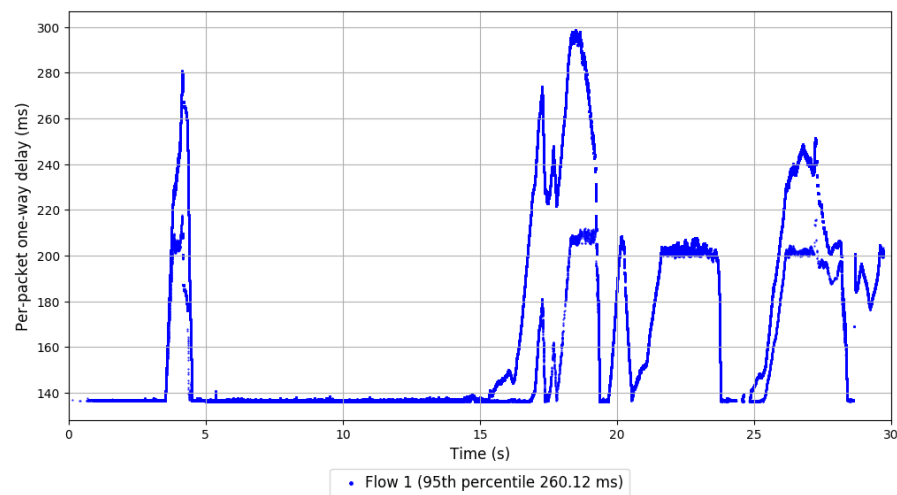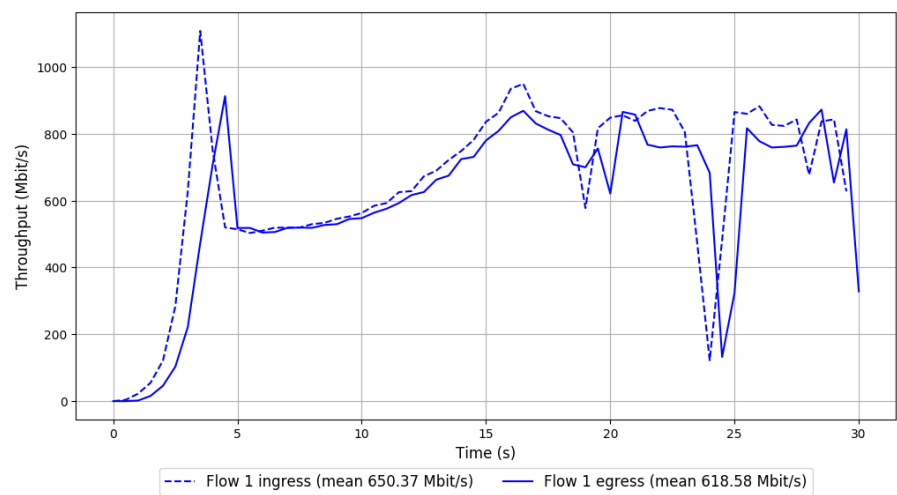
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-02 14:34:57
End at: 2018-08-02 14:35:28
Local clock offset: -0.059 ms
Remote clock offset: -0.284 ms


# Below is generated by plot.py at 2018-08-02 19:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 628.68 Mbit/s
95th percentile per-packet one-way delay: 220.590 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 628.68 Mbit/s
95th percentile per-packet one-way delay: 220.590 ms
Loss rate: 2.12%
```
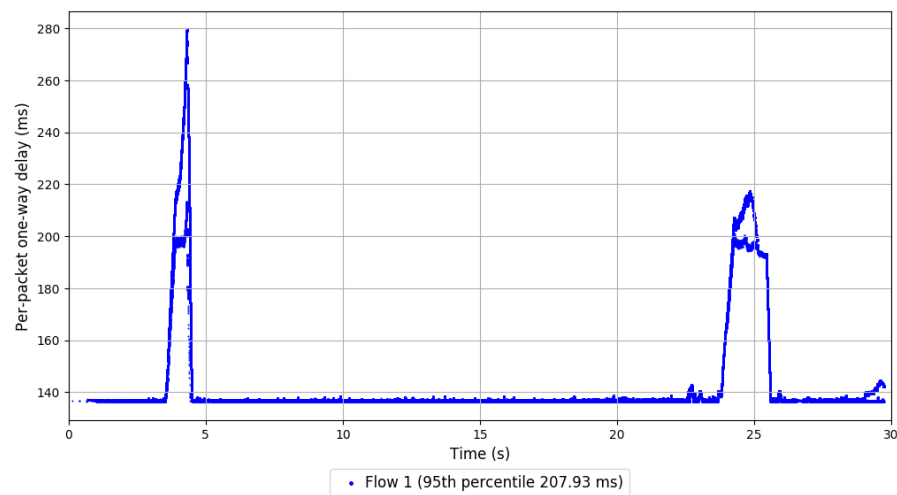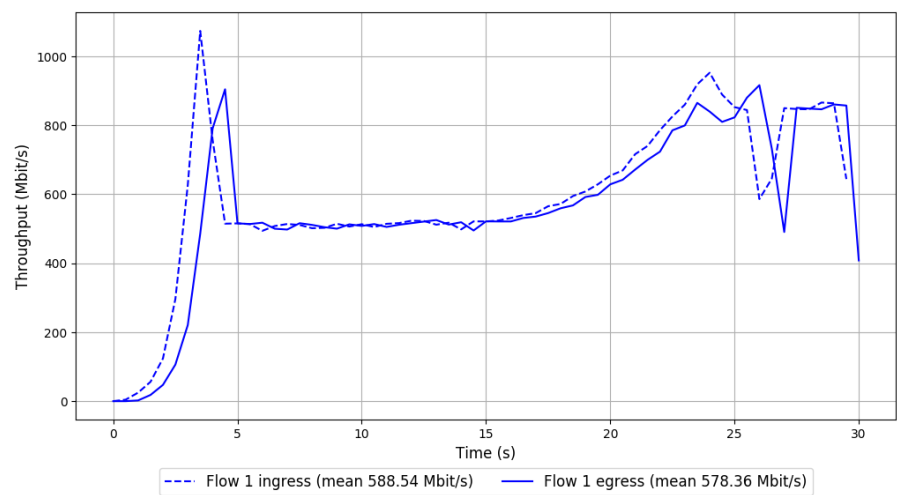
Run 1: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 636.43 Mbit/s)   Flow 1 egress (mean 628.68 Mbit/s)

• Flow 1 (95th percentile 220.59 ms)

```
Run 2: Statistics of PCC-Allegro

Start at: 2018-08-02 14:58:02
End at: 2018-08-02 14:58:32
Local clock offset: -0.153 ms
Remote clock offset: 0.224 ms


# Below is generated by plot.py at 2018-08-02 19:25:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 618.58 Mbit/s
95th percentile per-packet one-way delay: 260.123 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 618.58 Mbit/s
95th percentile per-packet one-way delay: 260.123 ms
Loss rate: 5.75%
```
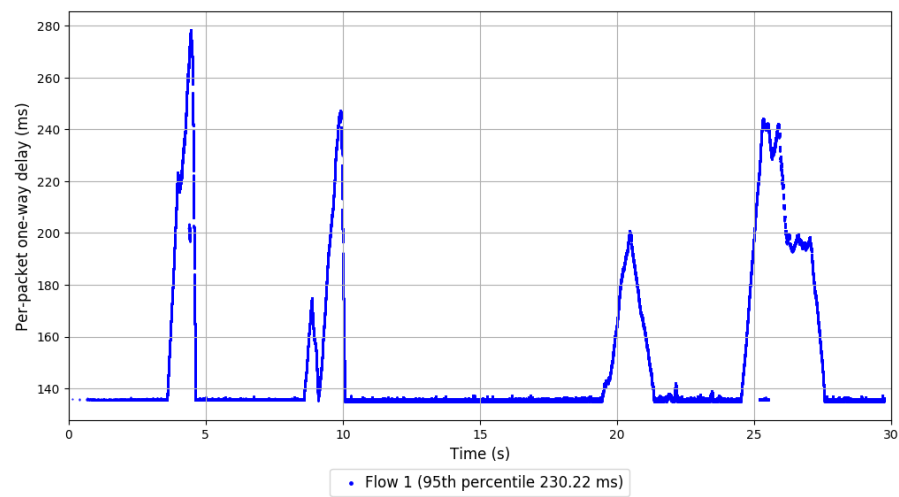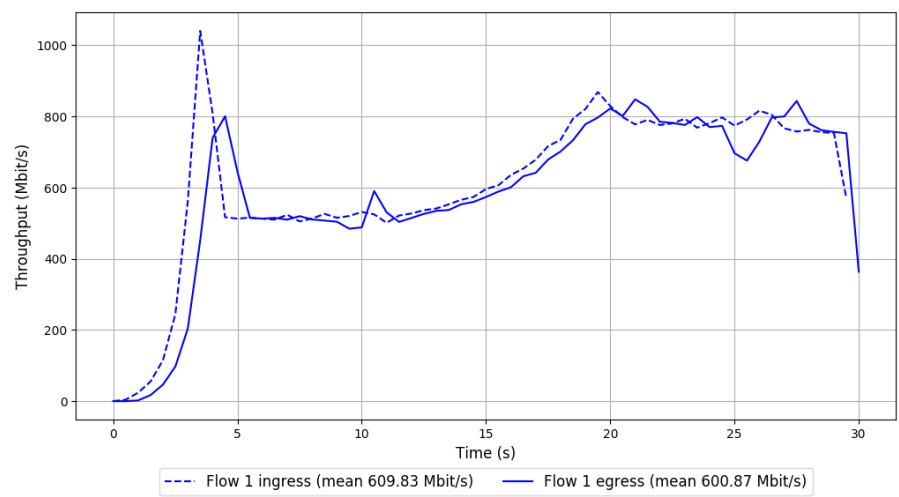
Run 2: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 650.37 Mbit/s) — Flow 1 egress (mean 618.58 Mbit/s)

• Flow 1 (95th percentile 260.12 ms)

```
Run 3: Statistics of PCC-Allegro

Start at: 2018-08-02 15:21:12
End at: 2018-08-02 15:21:42
Local clock offset: -0.557 ms
Remote clock offset: -0.011 ms


# Below is generated by plot.py at 2018-08-02 19:25:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 578.36 Mbit/s
95th percentile per-packet one-way delay: 207.934 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 578.36 Mbit/s
95th percentile per-packet one-way delay: 207.934 ms
Loss rate: 2.63%
```
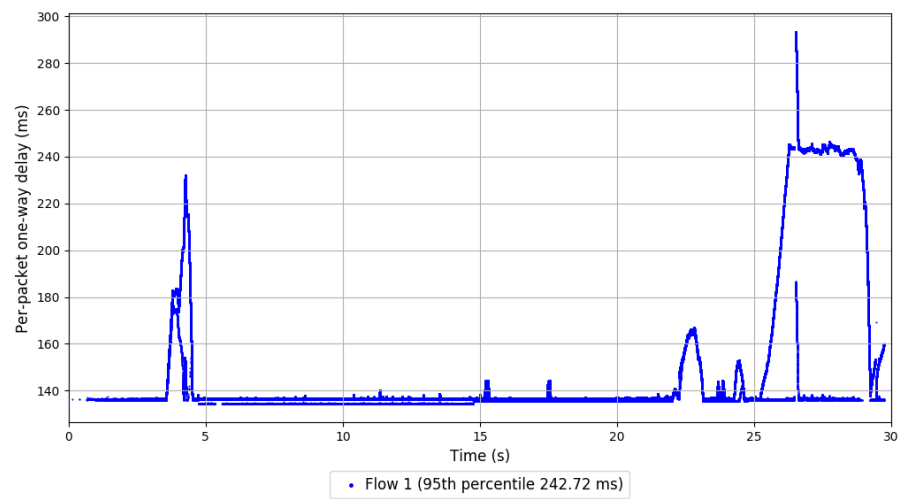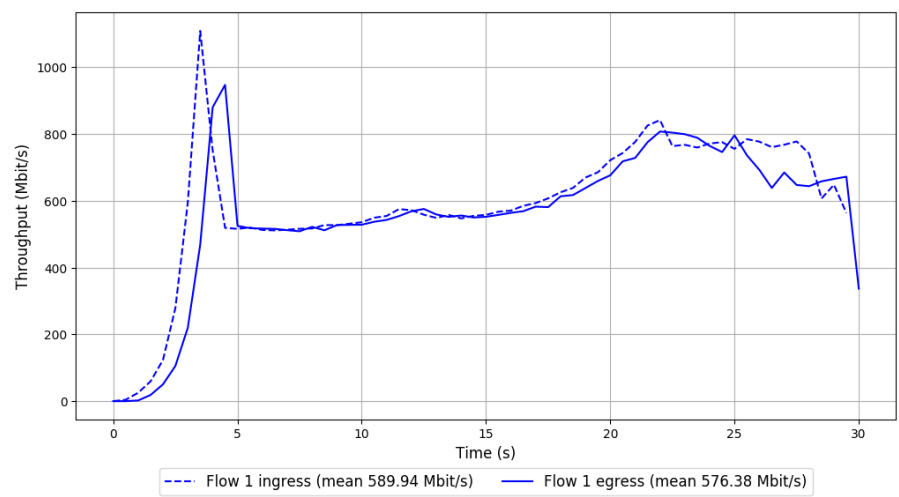
Run 3: Report of PCC-Allegro — Data Link

```
Run 4: Statistics of PCC-Allegro

Start at: 2018-08-02 15:44:38
End at: 2018-08-02 15:45:08
Local clock offset: 0.021 ms
Remote clock offset: 0.12 ms


# Below is generated by plot.py at 2018-08-02 19:25:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 600.87 Mbit/s
95th percentile per-packet one-way delay: 230.224 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 600.87 Mbit/s
95th percentile per-packet one-way delay: 230.224 ms
Loss rate: 2.37%
```
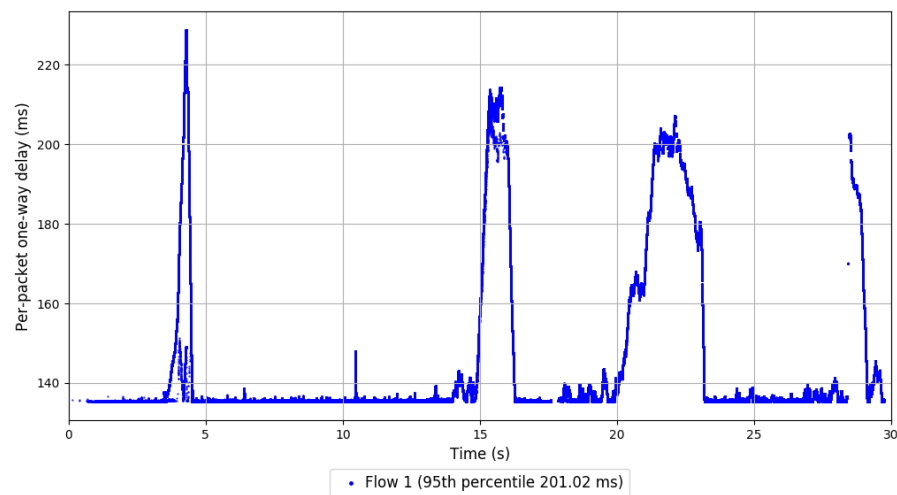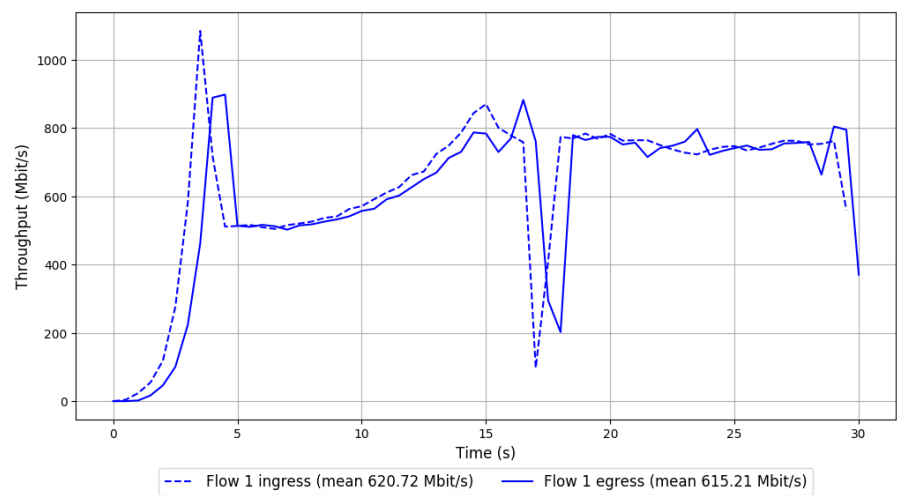
Run 4: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 609.83 Mbit/s)   Flow 1 egress (mean 600.87 Mbit/s)

Flow 1 (95th percentile 230.22 ms)

```
Run 5: Statistics of PCC-Allegro

Start at: 2018-08-02 16:07:53
End at: 2018-08-02 16:08:23
Local clock offset: -0.005 ms
Remote clock offset: 0.056 ms


# Below is generated by plot.py at 2018-08-02 19:30:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 576.38 Mbit/s
95th percentile per-packet one-way delay: 242.719 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 576.38 Mbit/s
95th percentile per-packet one-way delay: 242.719 ms
Loss rate: 3.19%
```
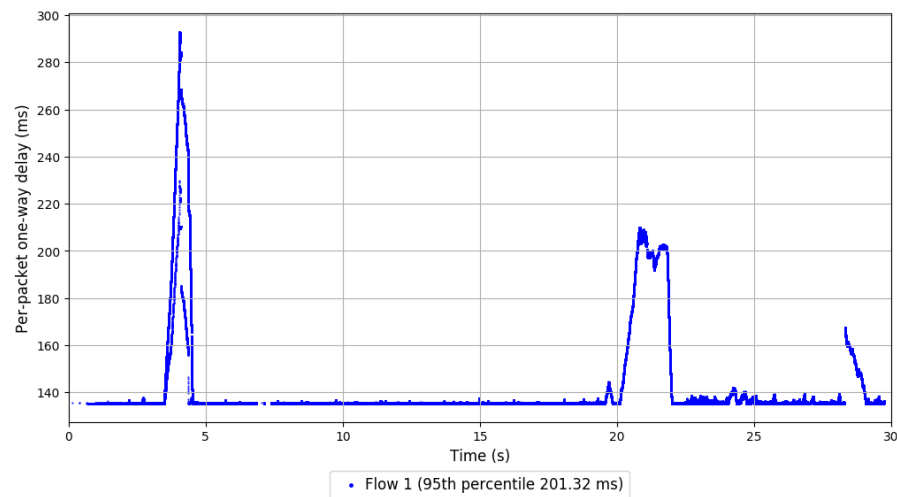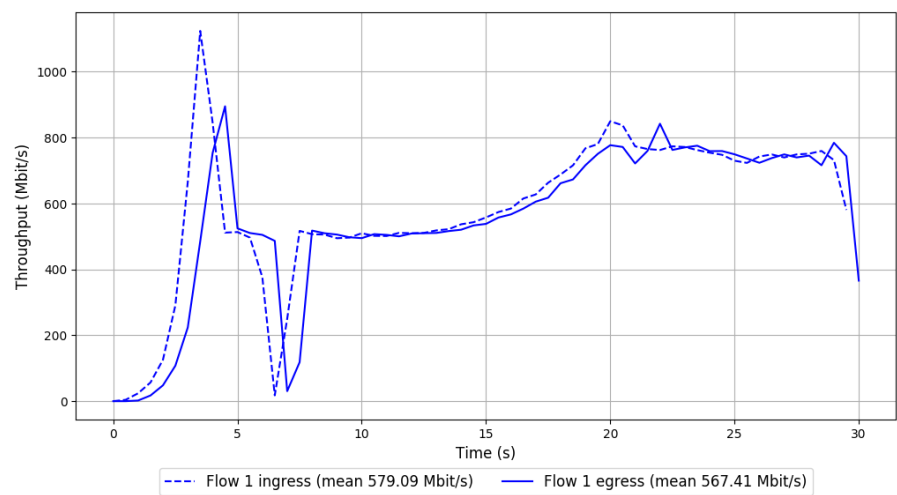
Run 5: Report of PCC-Allegro — Data Link

```
Run 6: Statistics of PCC-Allegro

Start at: 2018-08-02 16:31:05
End at: 2018-08-02 16:31:35
Local clock offset: 0.01 ms
Remote clock offset: 0.38 ms


# Below is generated by plot.py at 2018-08-02 19:30:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 615.21 Mbit/s
95th percentile per-packet one-way delay: 201.022 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 615.21 Mbit/s
95th percentile per-packet one-way delay: 201.022 ms
Loss rate: 1.80%
```
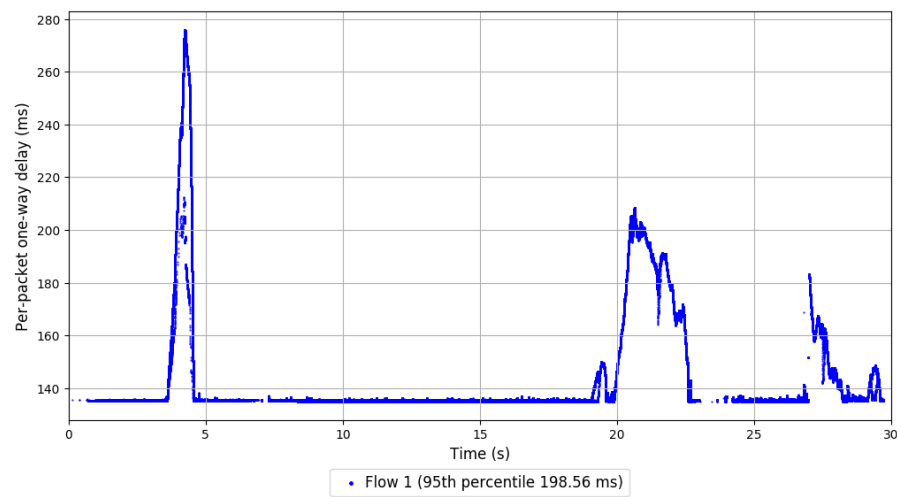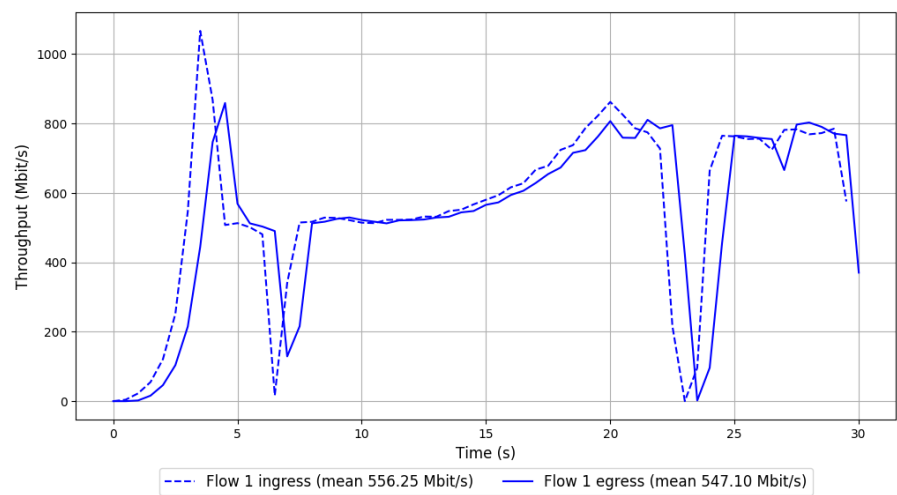
Run 6: Report of PCC-Allegro — Data Link

```
Run 7: Statistics of PCC-Allegro

Start at: 2018-08-02 16:54:25
End at: 2018-08-02 16:54:55
Local clock offset: 0.021 ms
Remote clock offset: 0.376 ms


# Below is generated by plot.py at 2018-08-02 19:30:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 567.41 Mbit/s
95th percentile per-packet one-way delay: 201.321 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 567.41 Mbit/s
95th percentile per-packet one-way delay: 201.321 ms
Loss rate: 2.91%
```
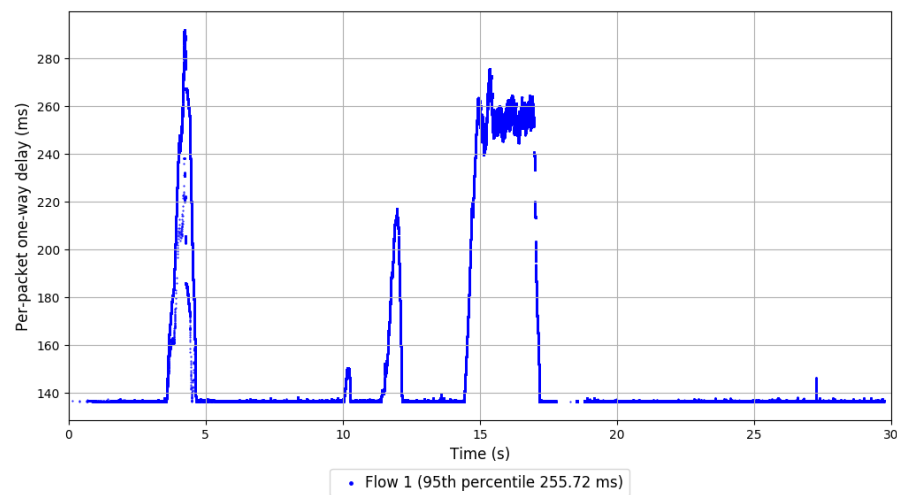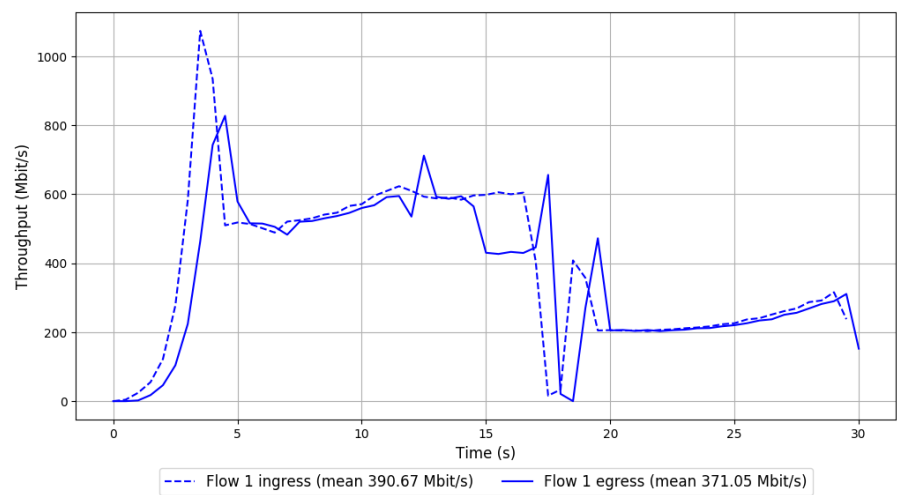
Run 7: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 579.09 Mbit/s)   Flow 1 egress (mean 567.41 Mbit/s)

Flow 1 (95th percentile 201.32 ms)

```
Run 8: Statistics of PCC-Allegro

Start at: 2018-08-02 17:17:39
End at: 2018-08-02 17:18:09
Local clock offset: 0.02 ms
Remote clock offset: 0.381 ms


# Below is generated by plot.py at 2018-08-02 19:30:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 547.10 Mbit/s
95th percentile per-packet one-way delay: 198.559 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 547.10 Mbit/s
95th percentile per-packet one-way delay: 198.559 ms
Loss rate: 2.54%
```
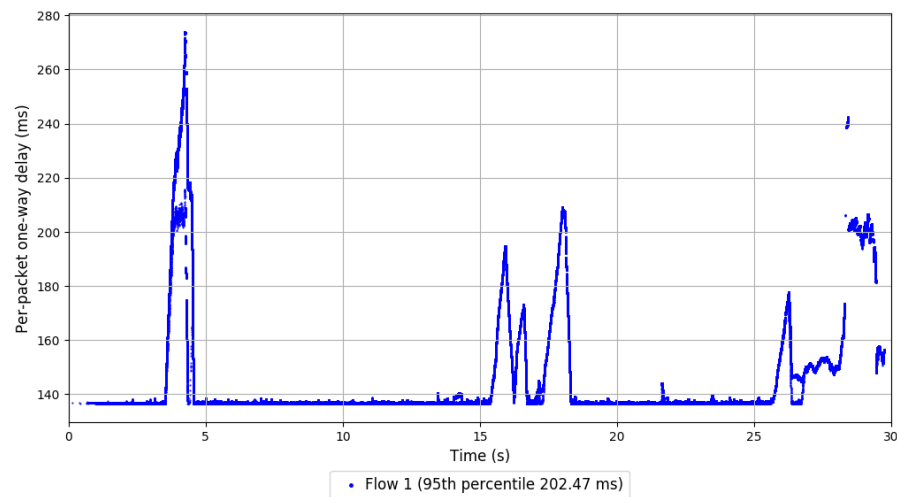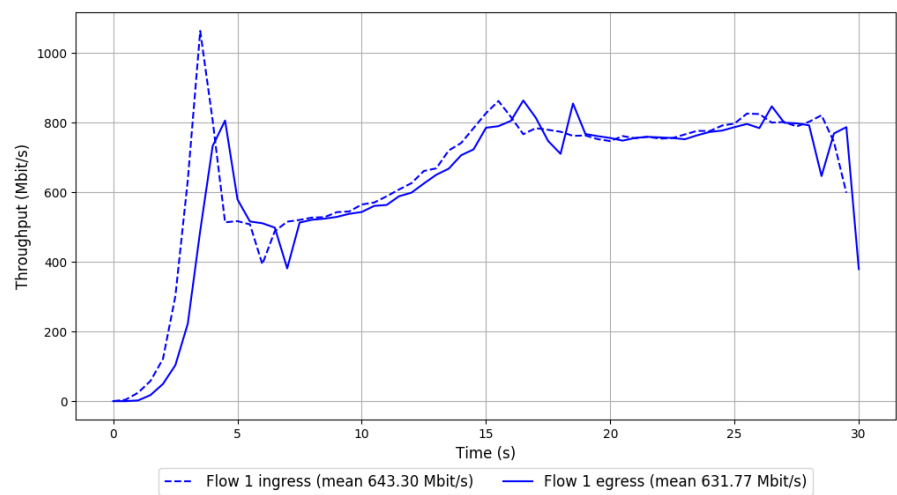
Run 8: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 556.25 Mbit/s) ----   Flow 1 egress (mean 547.10 Mbit/s) ———
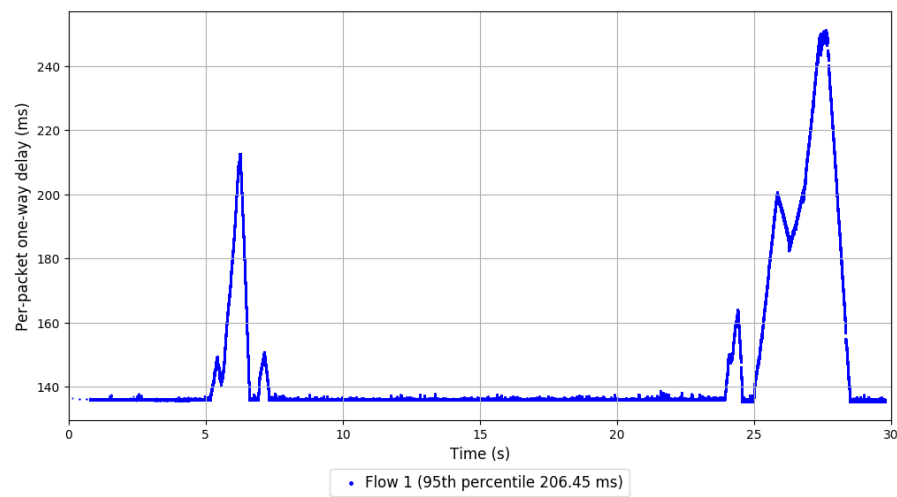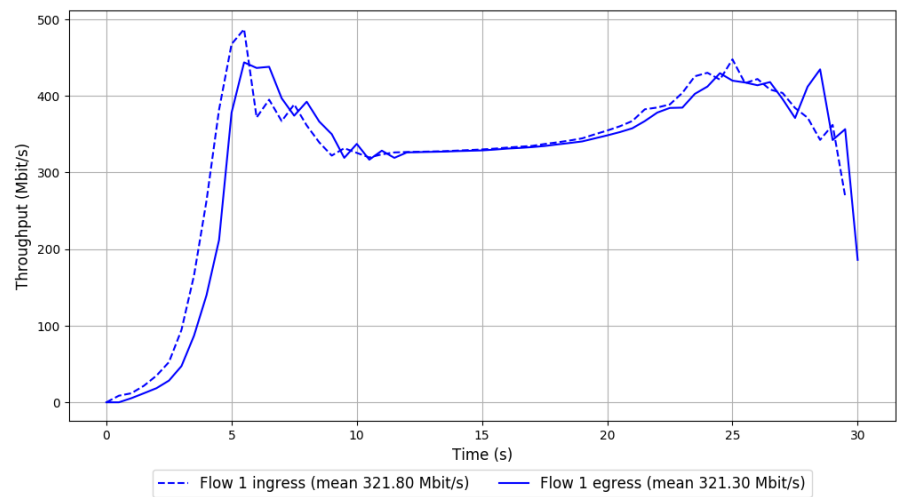

Flow 1 (95th percentile 198.56 ms)

```
Run 9: Statistics of PCC-Allegro

Start at: 2018-08-02 17:41:06
End at: 2018-08-02 17:41:36
Local clock offset: 0.013 ms
Remote clock offset: 0.076 ms


# Below is generated by plot.py at 2018-08-02 19:31:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 371.05 Mbit/s
95th percentile per-packet one-way delay: 255.722 ms
Loss rate: 5.89%
-- Flow 1:
Average throughput: 371.05 Mbit/s
95th percentile per-packet one-way delay: 255.722 ms
Loss rate: 5.89%
```
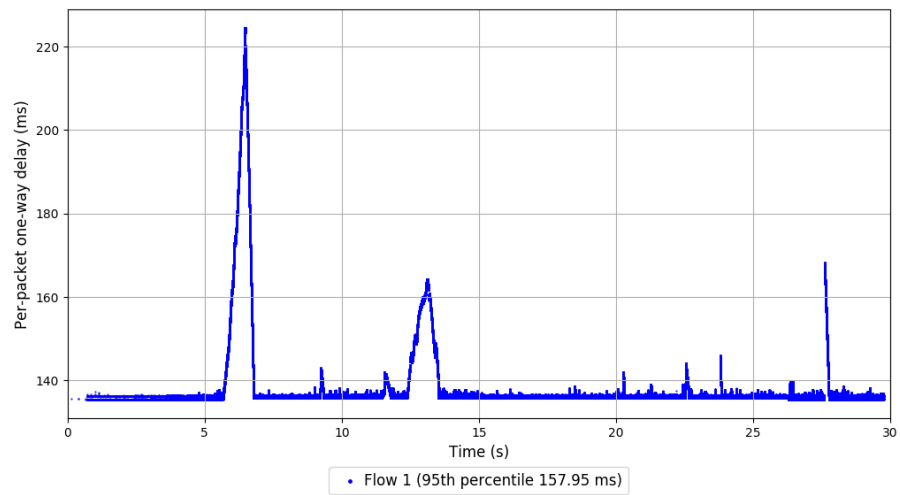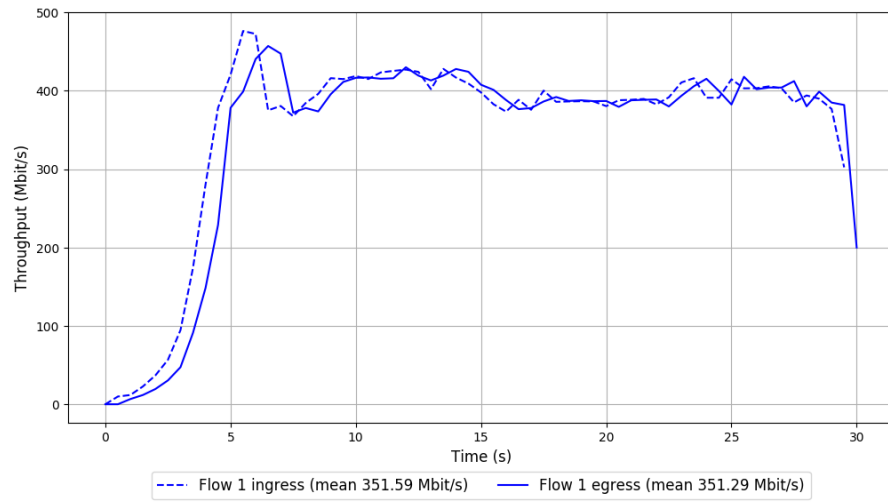
Run 9: Report of PCC-Allegro — Data Link

```
Run 10: Statistics of PCC-Allegro

Start at: 2018-08-02 18:04:02
End at: 2018-08-02 18:04:32
Local clock offset: 0.057 ms
Remote clock offset: 0.066 ms


# Below is generated by plot.py at 2018-08-02 19:35:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 631.77 Mbit/s
95th percentile per-packet one-way delay: 202.473 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 631.77 Mbit/s
95th percentile per-packet one-way delay: 202.473 ms
Loss rate: 2.69%
```

Run 10: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 643.30 Mbit/s) — — — Flow 1 egress (mean 631.77 Mbit/s)

• Flow 1 (95th percentile 202.47 ms)

```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-02 14:21:53
End at: 2018-08-02 14:22:23
Local clock offset: -0.053 ms
Remote clock offset: -0.281 ms

# Below is generated by plot.py at 2018-08-02 19:35:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.30 Mbit/s
95th percentile per-packet one-way delay: 206.452 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 321.30 Mbit/s
95th percentile per-packet one-way delay: 206.452 ms
Loss rate: 1.07%
```
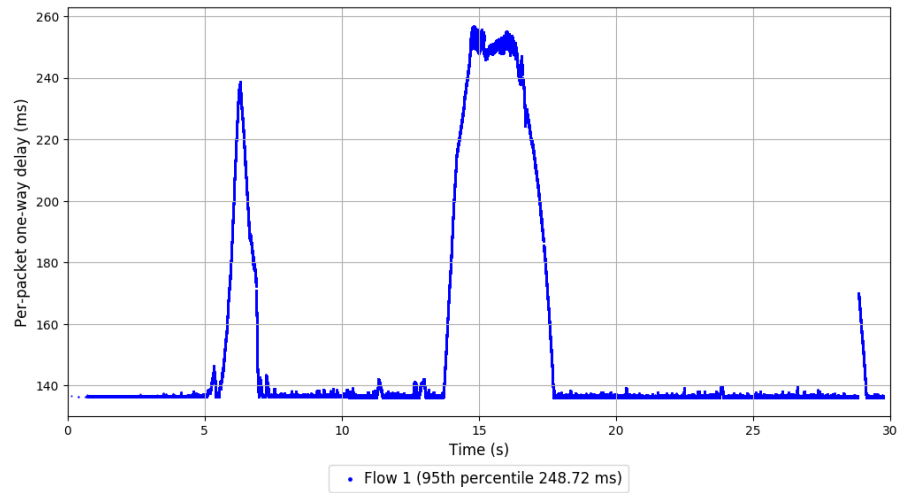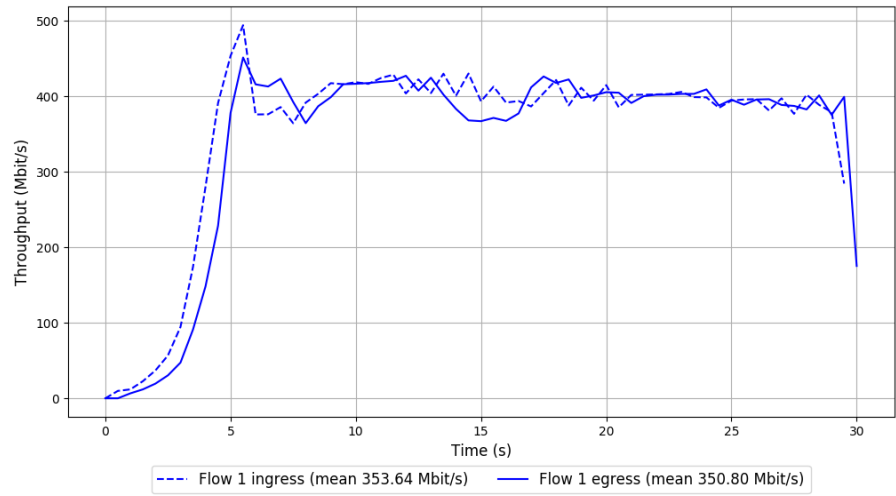
Run 1: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 321.80 Mbit/s) --- Flow 1 egress (mean 321.30 Mbit/s)

Flow 1 (95th percentile 206.45 ms)

```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-02 14:45:11
End at: 2018-08-02 14:45:41
Local clock offset: -0.347 ms
Remote clock offset: 0.16 ms


# Below is generated by plot.py at 2018-08-02 19:36:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 351.29 Mbit/s
95th percentile per-packet one-way delay: 157.953 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 351.29 Mbit/s
95th percentile per-packet one-way delay: 157.953 ms
Loss rate: 0.99%
```
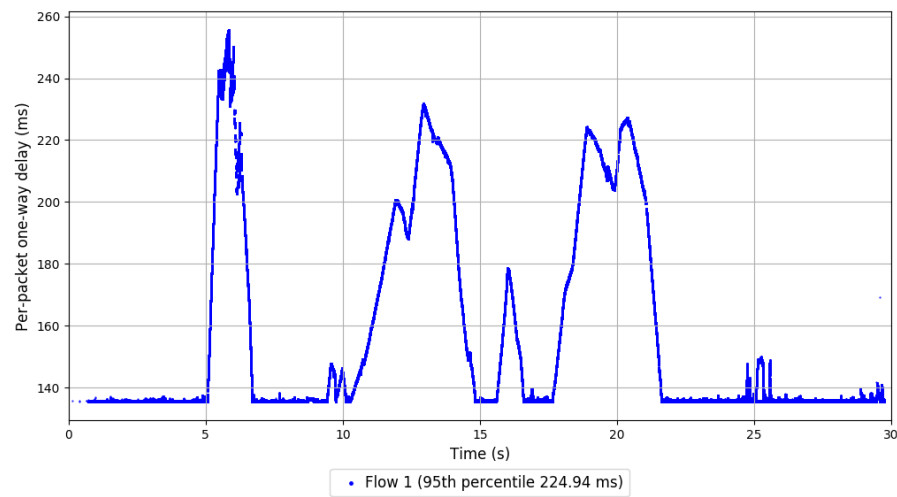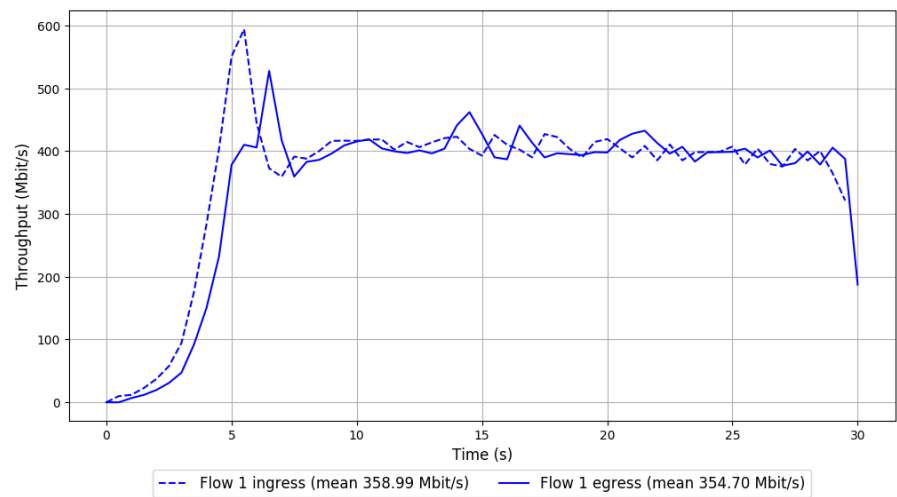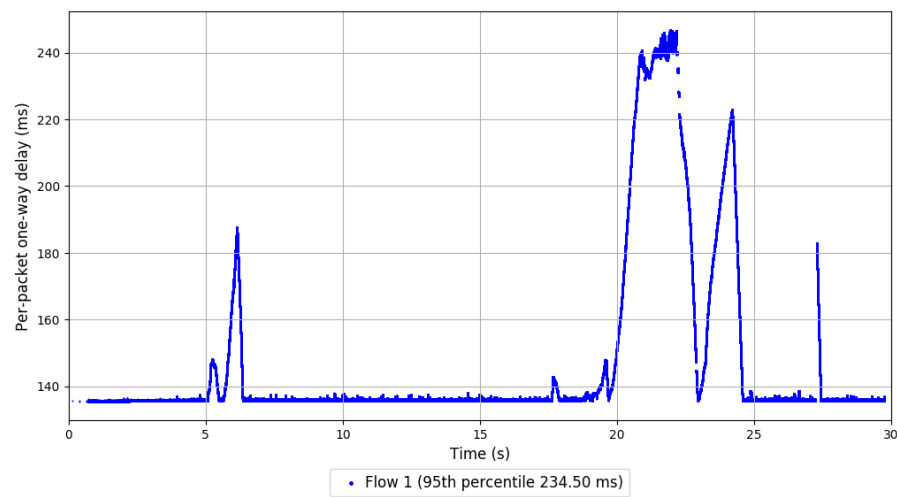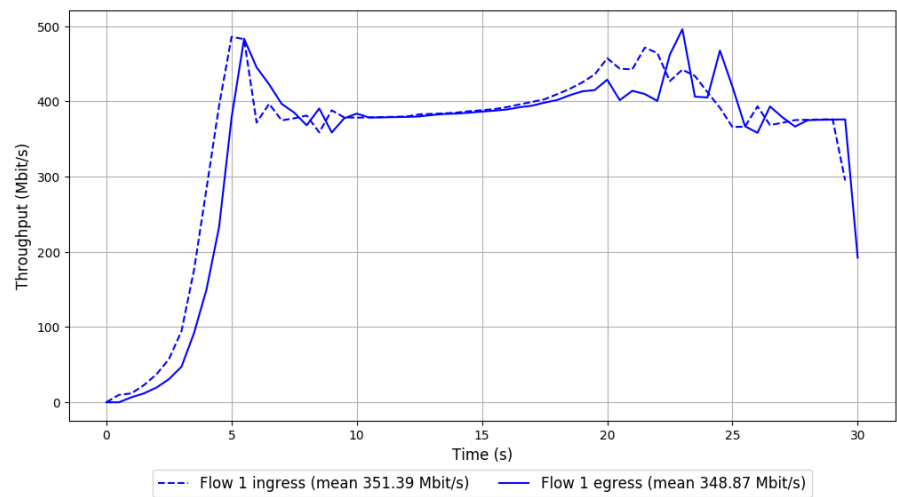
Run 2: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 351.59 Mbit/s)   Flow 1 egress (mean 351.29 Mbit/s)
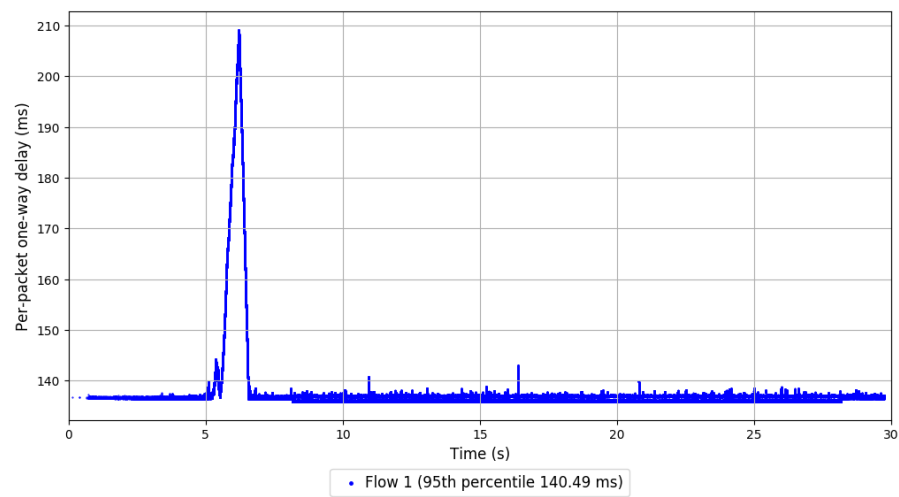

Flow 1 (95th percentile 157.95 ms)

```
Run 3: Statistics of PCC-Expr

Start at: 2018-08-02 15:08:07
End at: 2018-08-02 15:08:37
Local clock offset: -0.363 ms
Remote clock offset: 0.303 ms


# Below is generated by plot.py at 2018-08-02 19:40:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.80 Mbit/s
95th percentile per-packet one-way delay: 248.725 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 350.80 Mbit/s
95th percentile per-packet one-way delay: 248.725 ms
Loss rate: 1.71%
```

Run 3: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 353.64 Mbit/s) Flow 1 egress (mean 350.80 Mbit/s)
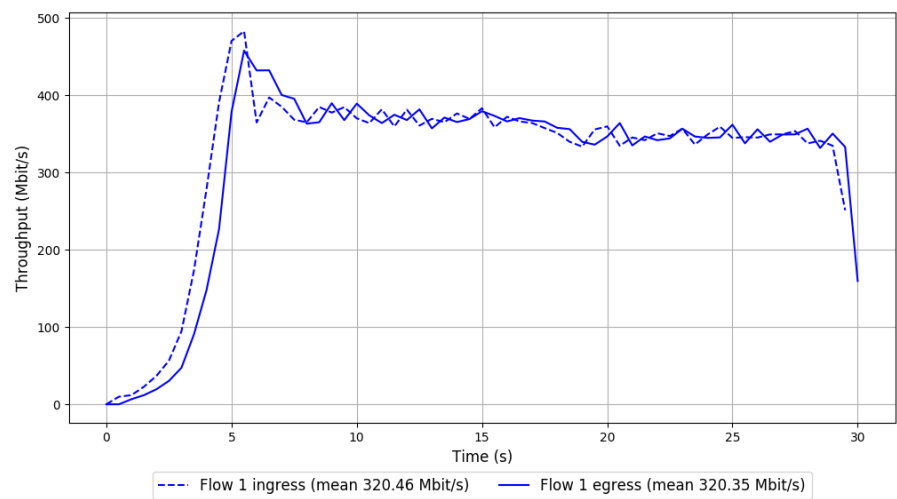

• Flow 1 (95th percentile 248.72 ms)

```
Run 4: Statistics of PCC-Expr

Start at: 2018-08-02 15:31:28
End at: 2018-08-02 15:31:58
Local clock offset: -0.249 ms
Remote clock offset: 0.314 ms


# Below is generated by plot.py at 2018-08-02 19:41:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.70 Mbit/s
95th percentile per-packet one-way delay: 224.936 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 354.70 Mbit/s
95th percentile per-packet one-way delay: 224.936 ms
Loss rate: 2.09%
```
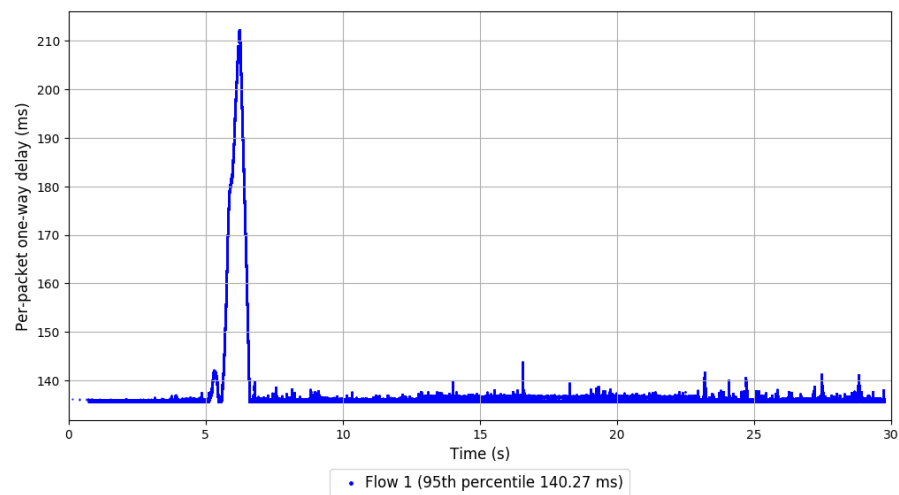
Run 4: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 358.99 Mbit/s)   Flow 1 egress (mean 354.70 Mbit/s)

• Flow 1 (95th percentile 224.94 ms)

```
Run 5: Statistics of PCC-Expr

Start at: 2018-08-02 15:55:05
End at: 2018-08-02 15:55:35
Local clock offset: -0.047 ms
Remote clock offset: -0.166 ms


# Below is generated by plot.py at 2018-08-02 19:41:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 348.87 Mbit/s
95th percentile per-packet one-way delay: 234.502 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 348.87 Mbit/s
95th percentile per-packet one-way delay: 234.502 ms
Loss rate: 1.62%
```
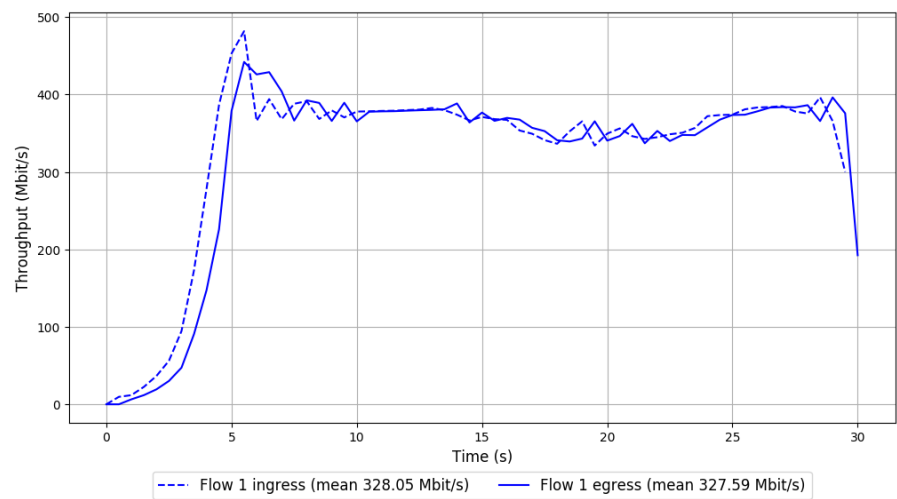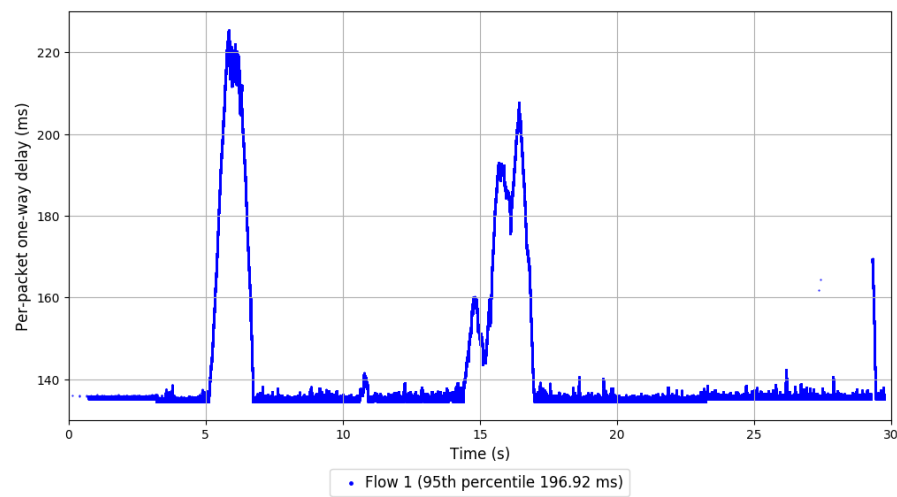
Run 5: Report of PCC-Expr — Data Link

```
Run 6: Statistics of PCC-Expr

Start at: 2018-08-02 16:18:19
End at: 2018-08-02 16:18:49
Local clock offset: -0.026 ms
Remote clock offset: -0.311 ms


# Below is generated by plot.py at 2018-08-02 19:41:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.35 Mbit/s
95th percentile per-packet one-way delay: 140.488 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 320.35 Mbit/s
95th percentile per-packet one-way delay: 140.488 ms
Loss rate: 0.95%
```
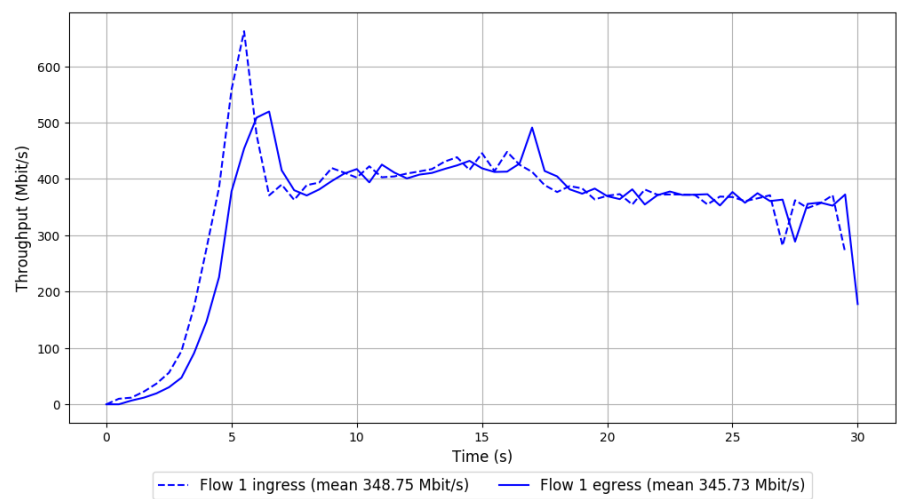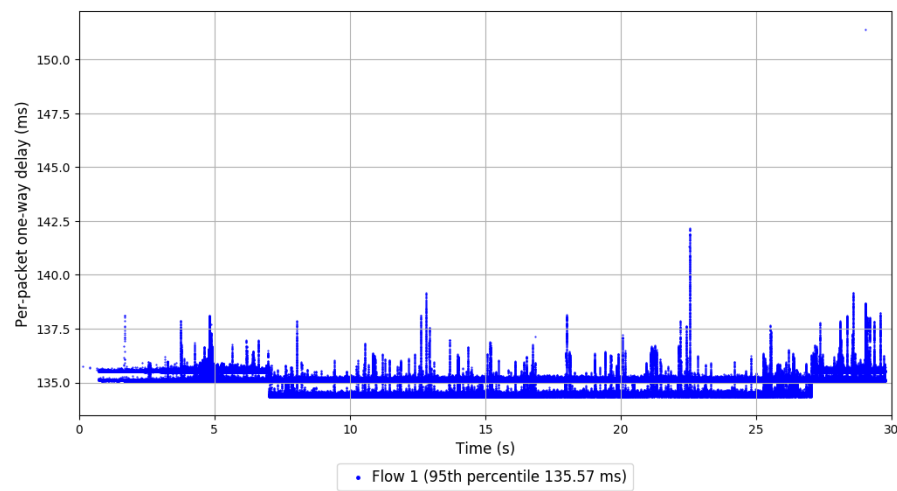
Run 6: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 320.46 Mbit/s) --- Flow 1 egress (mean 320.35 Mbit/s)

Flow 1 (95th percentile 140.49 ms)

```
Run 7: Statistics of PCC-Expr

Start at: 2018-08-02 16:41:25
End at: 2018-08-02 16:41:55
Local clock offset: 0.129 ms
Remote clock offset: 0.075 ms


# Below is generated by plot.py at 2018-08-02 19:41:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.59 Mbit/s
95th percentile per-packet one-way delay: 140.270 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 327.59 Mbit/s
95th percentile per-packet one-way delay: 140.270 ms
Loss rate: 1.05%
```
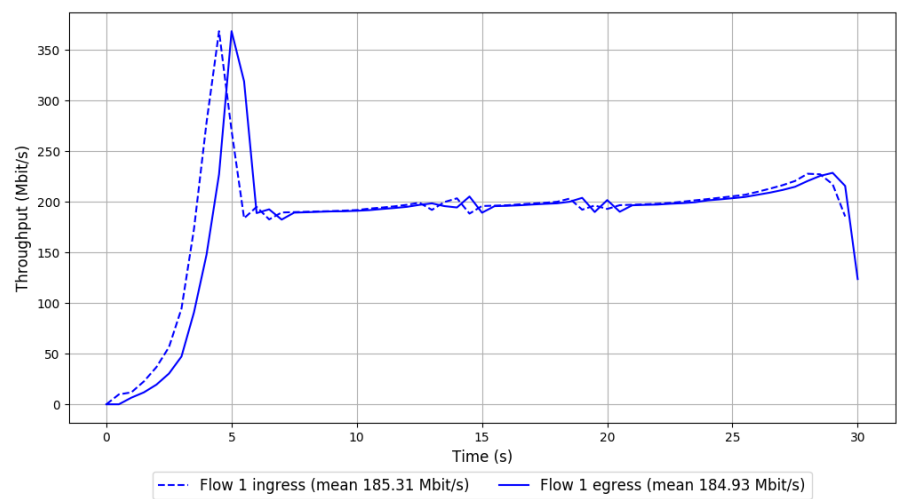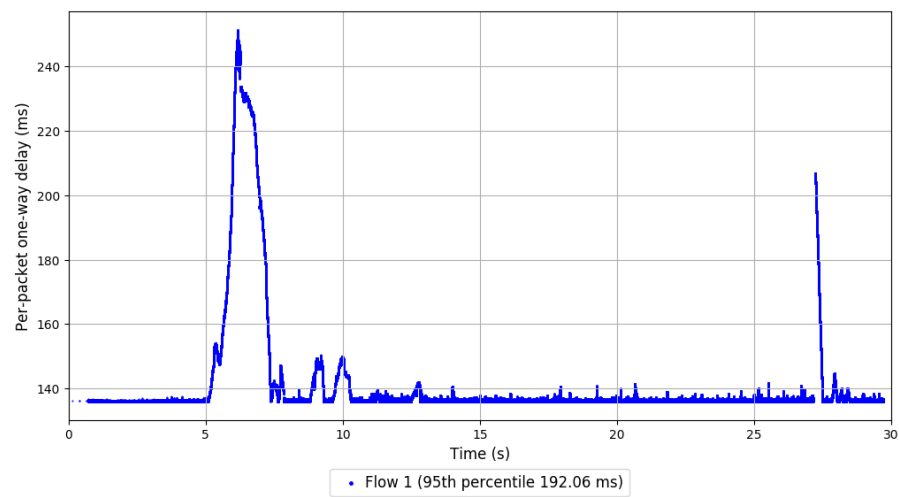
Run 7: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 328.05 Mbit/s)   Flow 1 egress (mean 327.59 Mbit/s)

• Flow 1 (95th percentile 140.27 ms)

```
Run 8: Statistics of PCC-Expr

Start at: 2018-08-02 17:04:34
End at: 2018-08-02 17:05:04
Local clock offset: -0.013 ms
Remote clock offset: 0.374 ms


# Below is generated by plot.py at 2018-08-02 19:46:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.73 Mbit/s
95th percentile per-packet one-way delay: 196.919 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 345.73 Mbit/s
95th percentile per-packet one-way delay: 196.919 ms
Loss rate: 1.77%
```
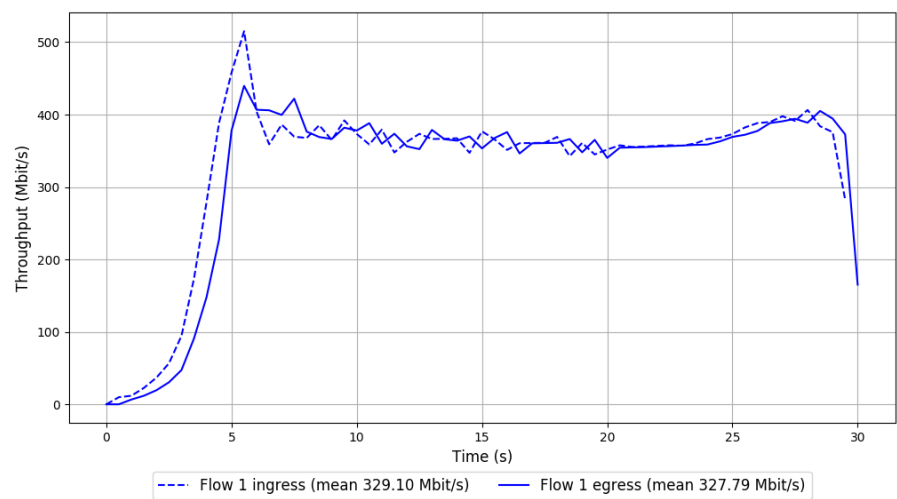
Run 8: Report of PCC-Expr — Data Link
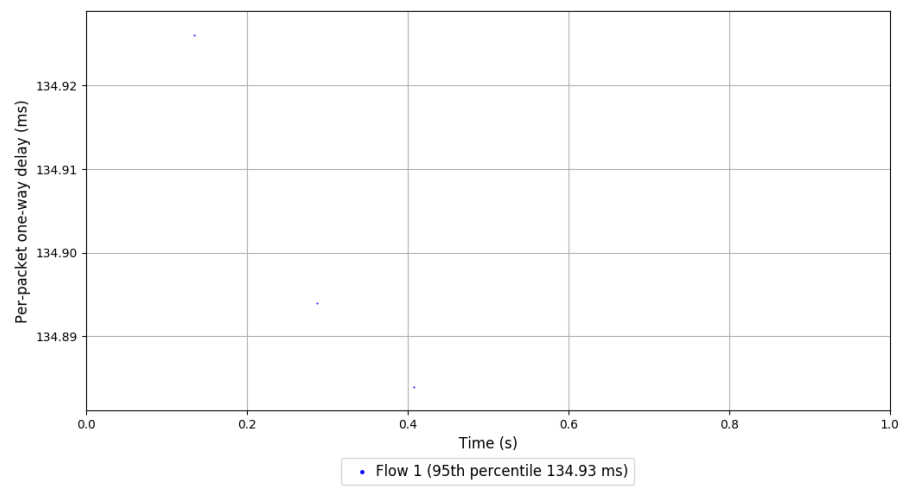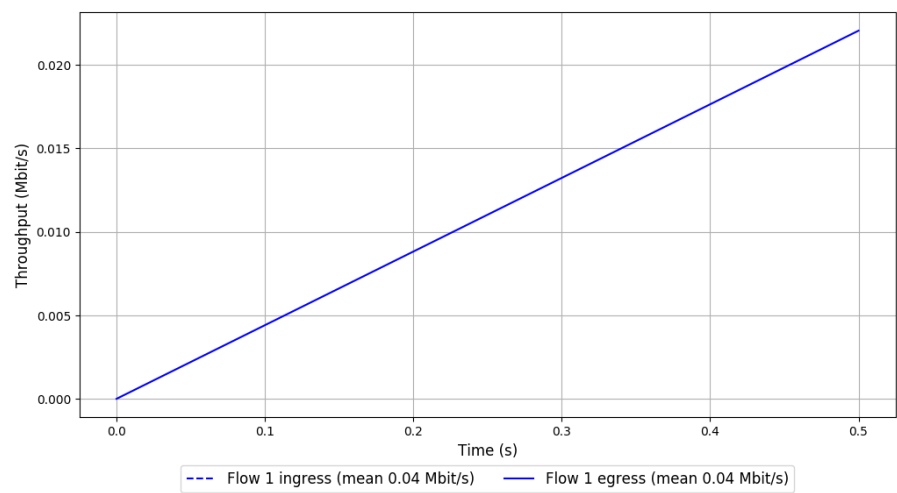
```
Run 9: Statistics of PCC-Expr

Start at: 2018-08-02 17:28:10
End at: 2018-08-02 17:28:41
Local clock offset: -0.162 ms
Remote clock offset: 0.424 ms


# Below is generated by plot.py at 2018-08-02 19:46:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.93 Mbit/s
95th percentile per-packet one-way delay: 135.573 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 184.93 Mbit/s
95th percentile per-packet one-way delay: 135.573 ms
Loss rate: 1.12%
```

Run 9: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 185.31 Mbit/s) --- Flow 1 egress (mean 184.93 Mbit/s)

• Flow 1 (95th percentile 135.57 ms)

```
Run 10: Statistics of PCC-Expr

Start at: 2018-08-02 17:51:16
End at: 2018-08-02 17:51:46
Local clock offset: -0.181 ms
Remote clock offset: 0.052 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.79 Mbit/s
95th percentile per-packet one-way delay: 192.063 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 327.79 Mbit/s
95th percentile per-packet one-way delay: 192.063 ms
Loss rate: 1.41%
```

Run 10: Report of PCC-Expr — Data Link
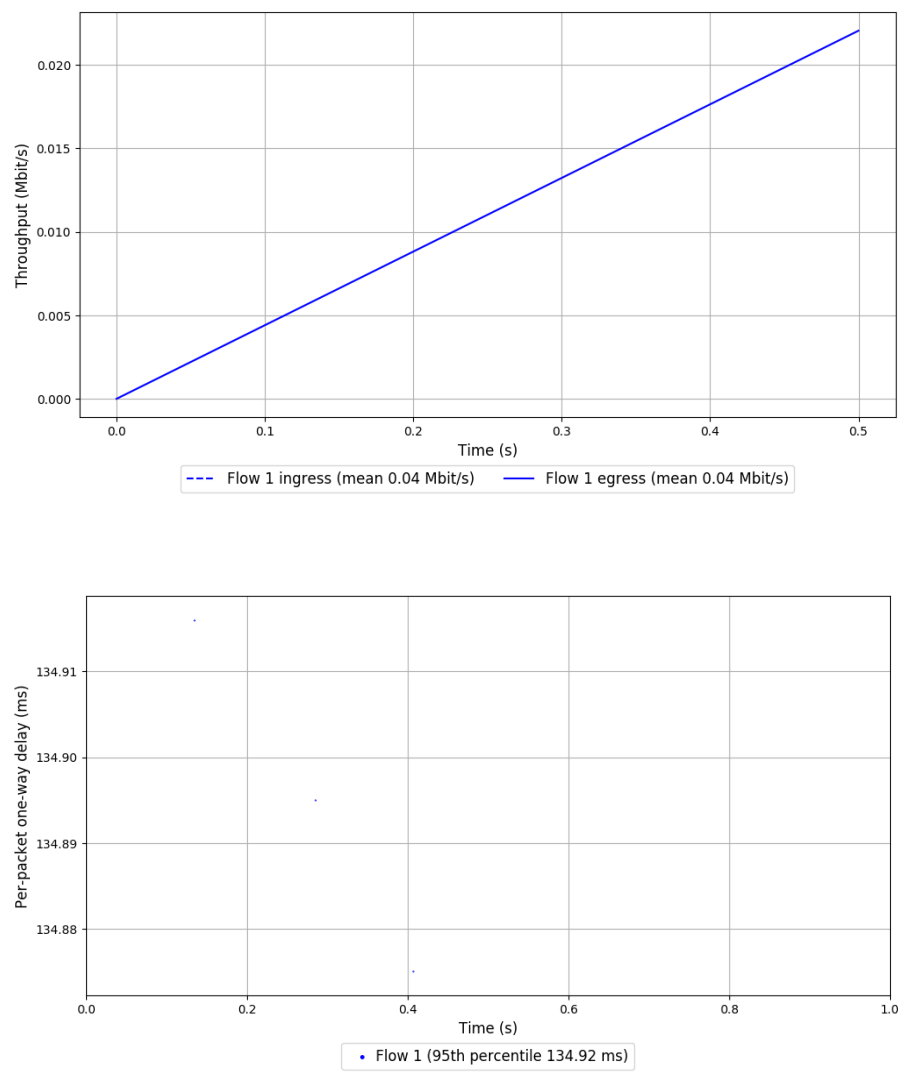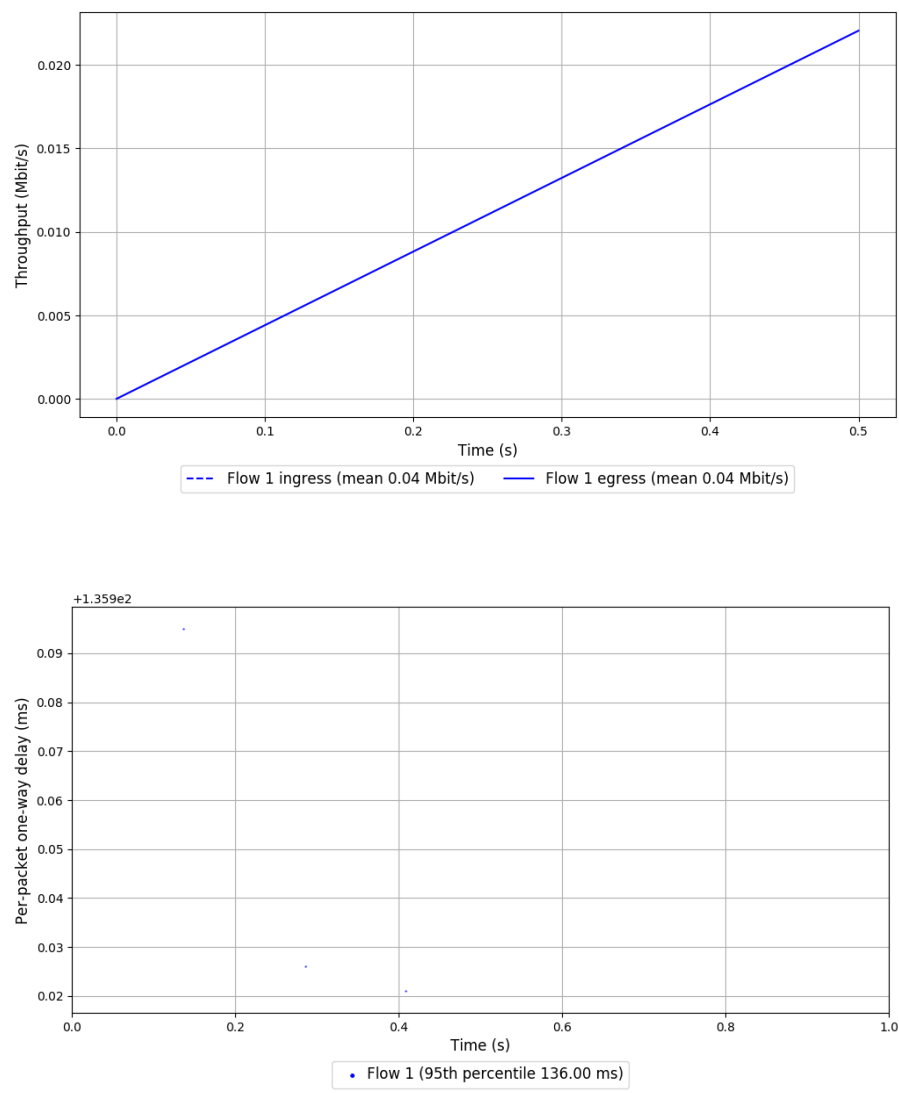
Run 1: Statistics of QUIC Cubic

Start at: 2018-08-02 14:33:49
End at: 2018-08-02 14:34:19
Local clock offset: -0.336 ms
Remote clock offset: 0.394 ms

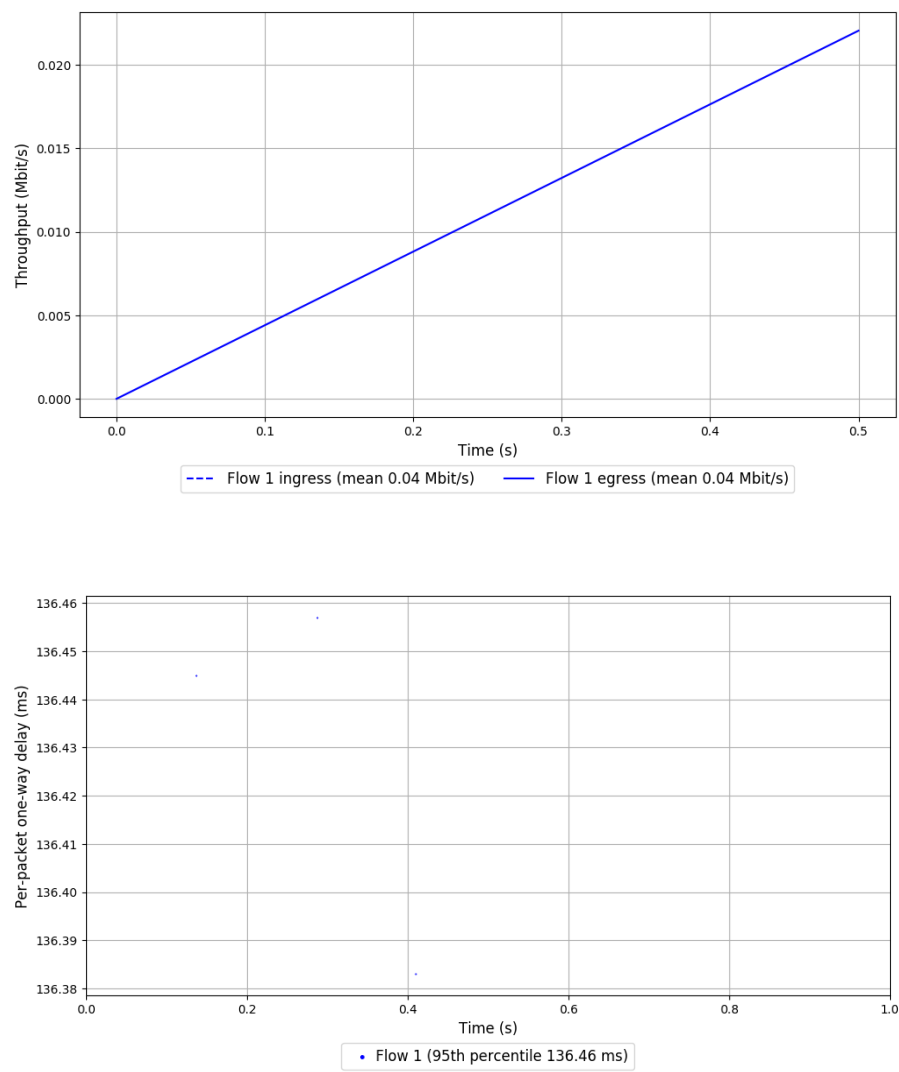## Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-08-02 14:56:54
End at: 2018-08-02 14:57:24
Local clock offset: -0.409 ms
Remote clock offset: 0.638 ms
```

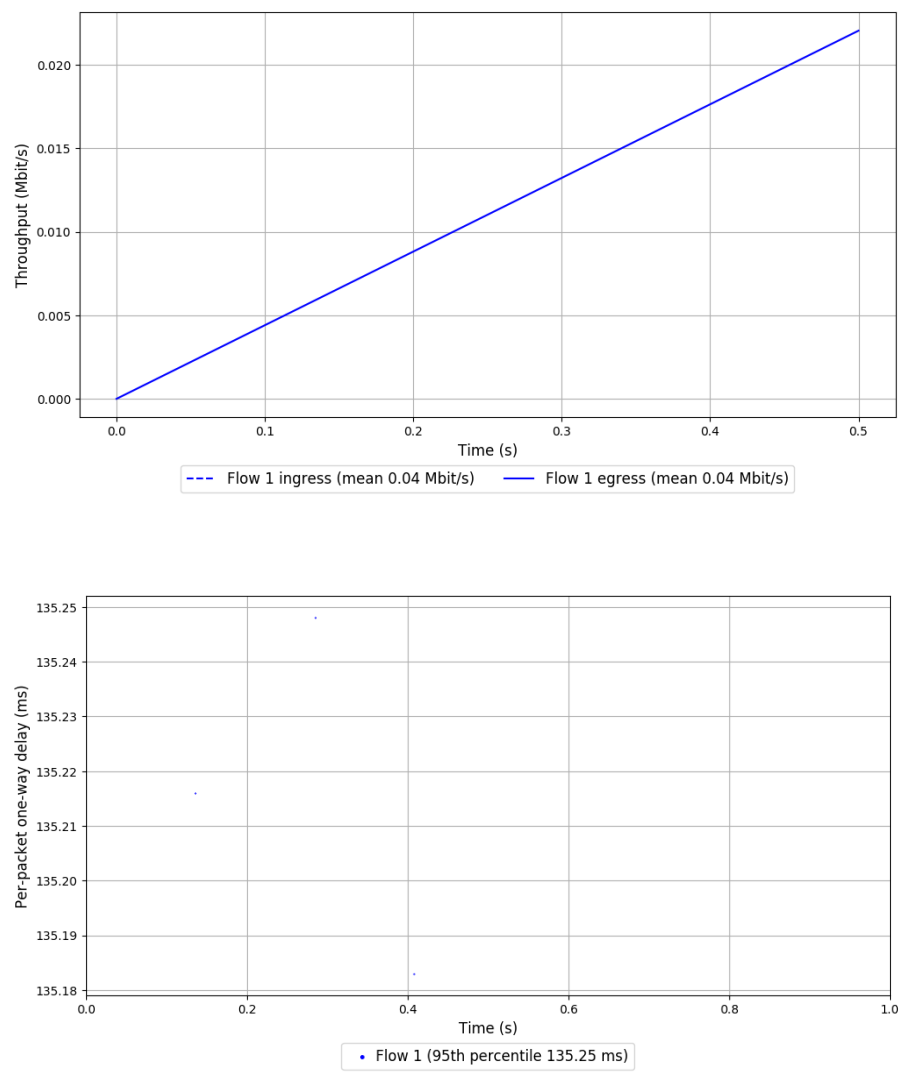# Run 2: Report of QUIC Cubic — Data Link

Run 3: Statistics of QUIC Cubic

Start at: 2018-08-02 15:20:04
End at: 2018-08-02 15:20:34
Local clock offset: -0.241 ms
Remote clock offset: -0.005 ms

Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-08-02 15:43:30
End at: 2018-08-02 15:44:00
Local clock offset: -0.141 ms
Remote clock offset: 0.124 ms
```

Run 4: Report of QUIC Cubic — Data Link

Run 5: Statistics of QUIC Cubic

Start at: 2018-08-02 16:06:45
End at: 2018-08-02 16:07:15
Local clock offset: 0.273 ms
Remote clock offset: 0.079 ms

Run 5: Report of QUIC Cubic — Data Link
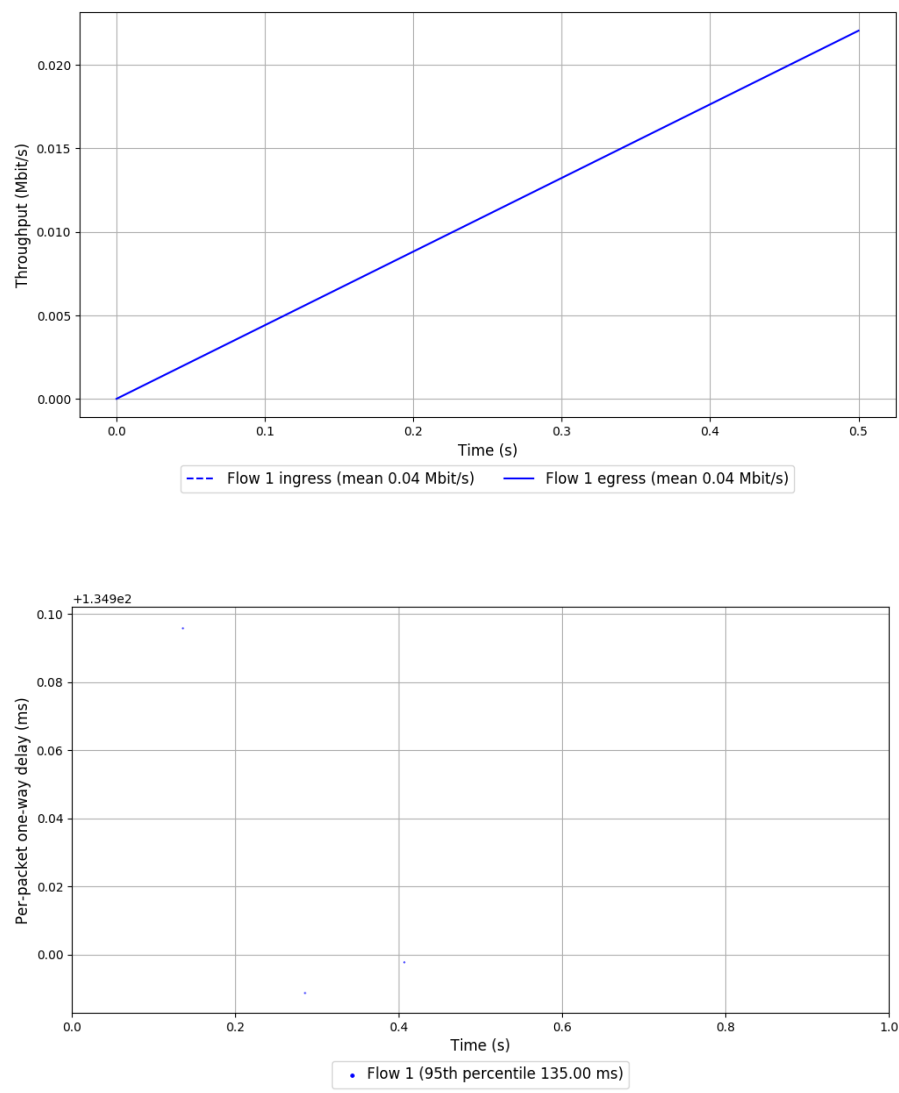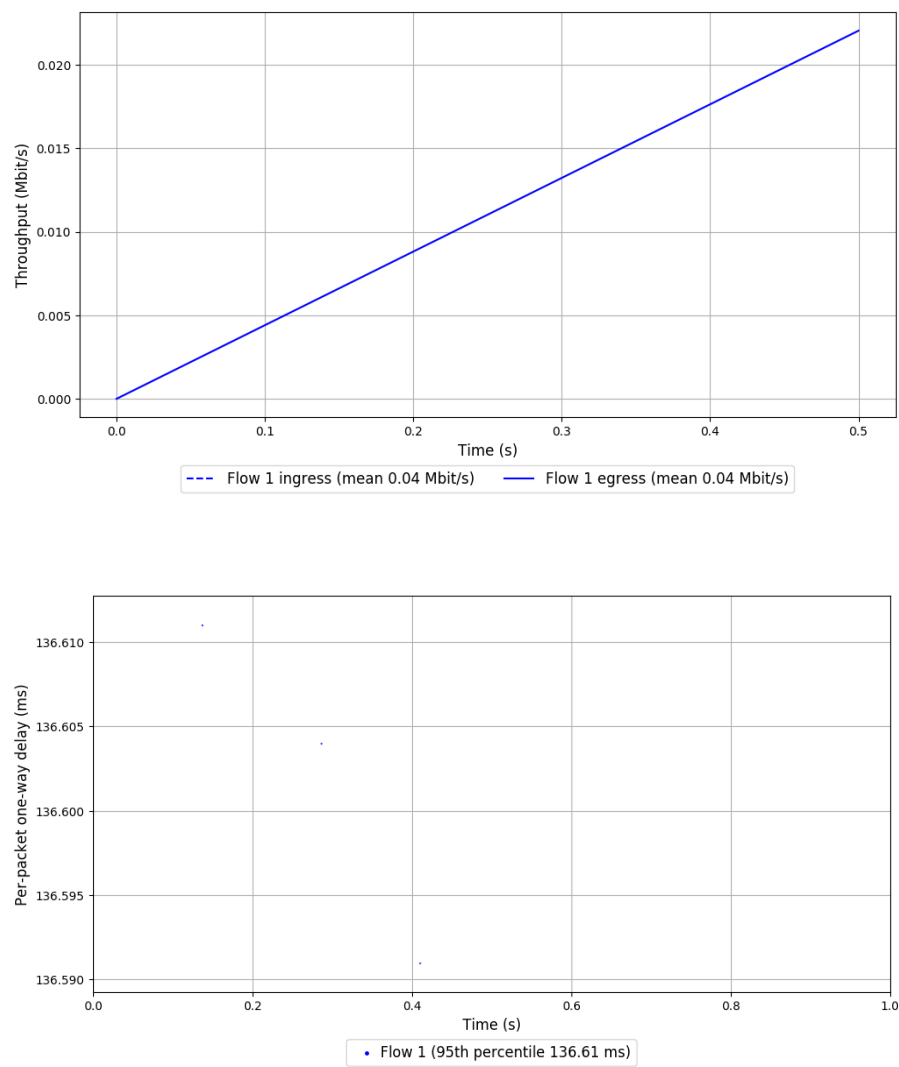
Run 6: Statistics of QUIC Cubic

Start at: 2018-08-02 16:29:56
End at: 2018-08-02 16:30:26
Local clock offset: -0.022 ms
Remote clock offset: 0.025 ms

Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-08-02 16:53:17
End at: 2018-08-02 16:53:47
Local clock offset: 0.152 ms
Remote clock offset: 0.412 ms
```

Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-08-02 17:16:27
End at: 2018-08-02 17:16:57
Local clock offset: 0.172 ms
Remote clock offset: 0.353 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.09 Mbit/s
95th percentile per-packet one-way delay: 135.802 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 52.09 Mbit/s
95th percentile per-packet one-way delay: 135.802 ms
Loss rate: 1.35%
```

Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-08-02 17:39:58
End at: 2018-08-02 17:40:28
Local clock offset: -0.14 ms
Remote clock offset: -0.272 ms
```

Run 9: Report of QUIC Cubic — Data Link

201

Run 10: Statistics of QUIC Cubic

Start at: 2018-08-02 18:02:53
End at: 2018-08-02 18:03:23
Local clock offset: 0.168 ms
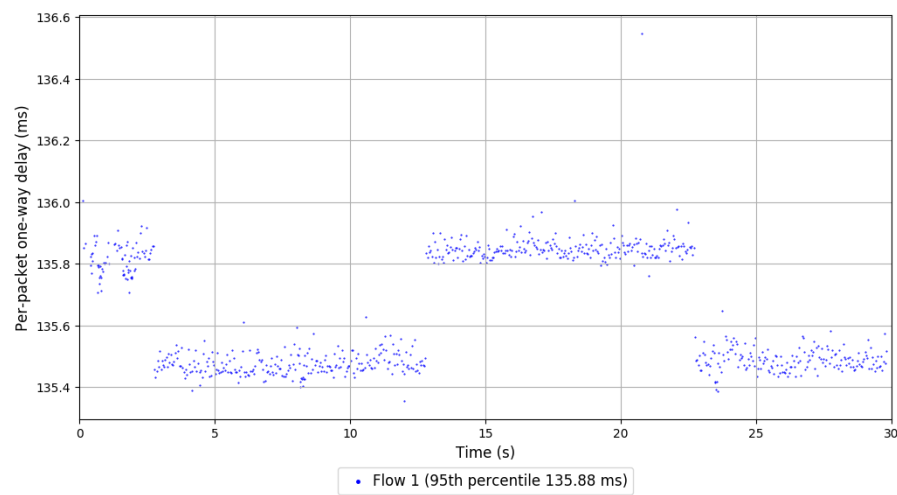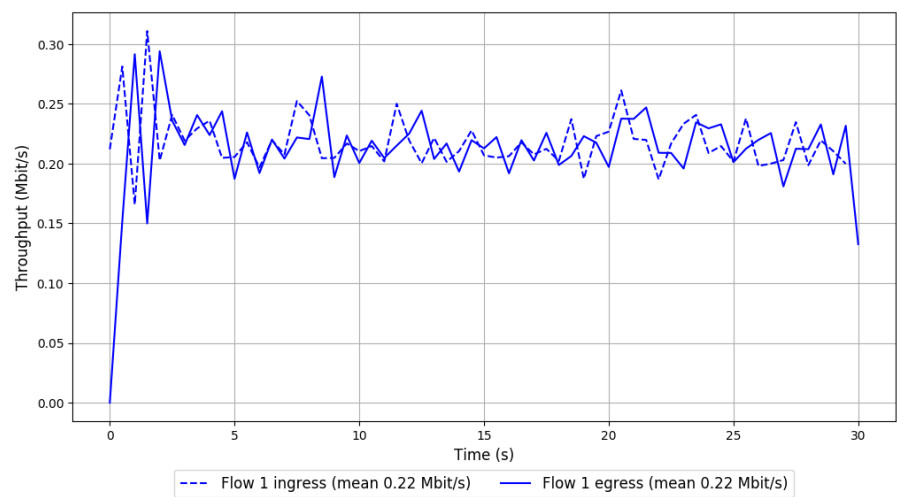Remote clock offset: 0.034 ms

Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2018-08-02 14:20:45
End at: 2018-08-02 14:21:15
Local clock offset: -0.097 ms
Remote clock offset: 0.03 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.881 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.881 ms
Loss rate: 0.89%
```
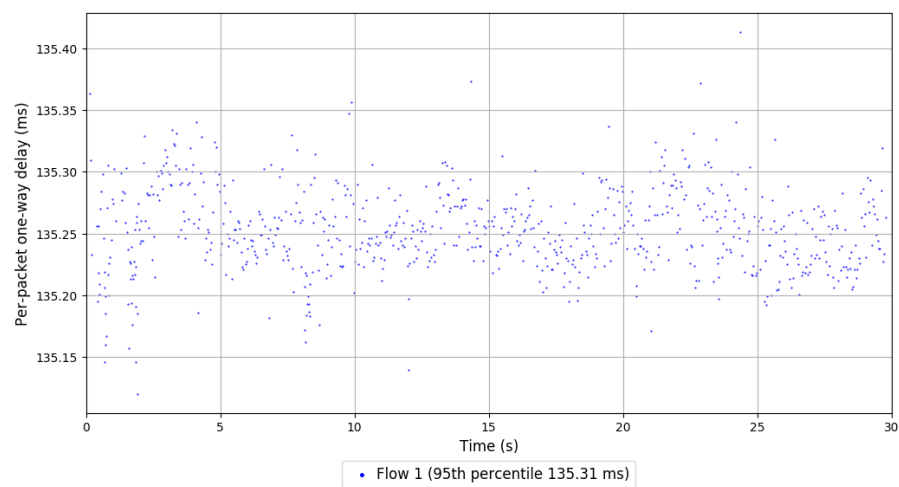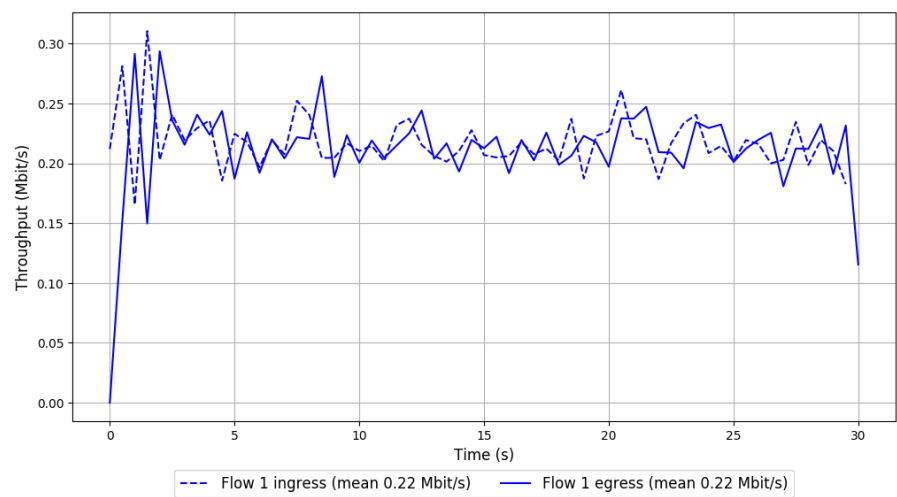
Run 1: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 135.88 ms)

```
Run 2: Statistics of SCReAM

Start at: 2018-08-02 14:44:03
End at: 2018-08-02 14:44:33
Local clock offset: -0.363 ms
Remote clock offset: 0.533 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.307 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.307 ms
Loss rate: 0.89%
```
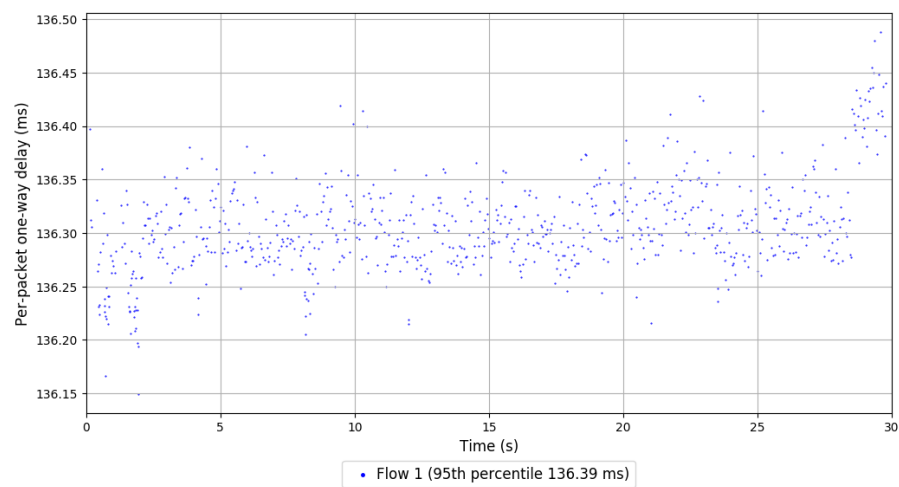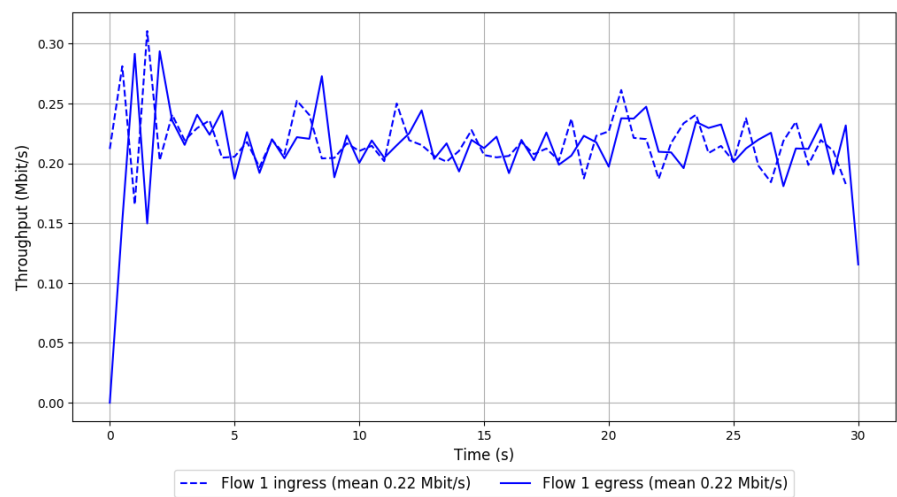
Run 2: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 135.31 ms)

```
Run 3: Statistics of SCReAM

Start at: 2018-08-02 15:06:59
End at: 2018-08-02 15:07:29
Local clock offset: -0.375 ms
Remote clock offset: 0.281 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.389 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.389 ms
Loss rate: 0.89%
```
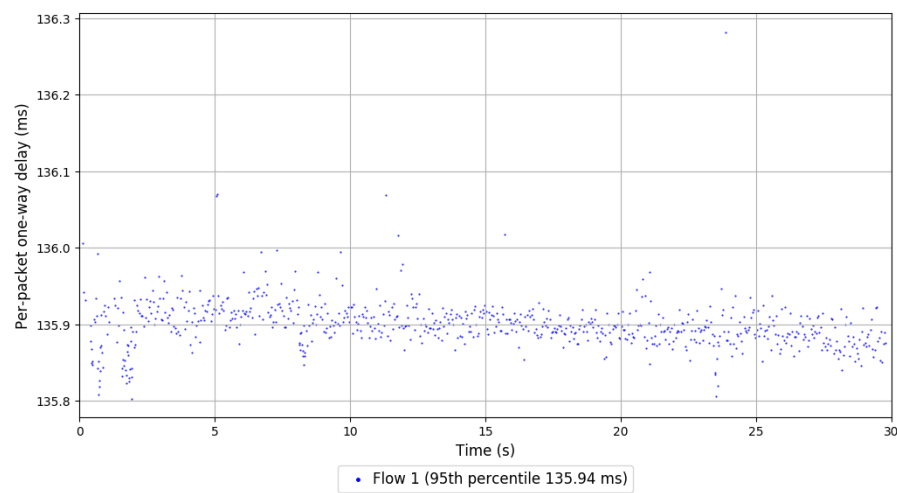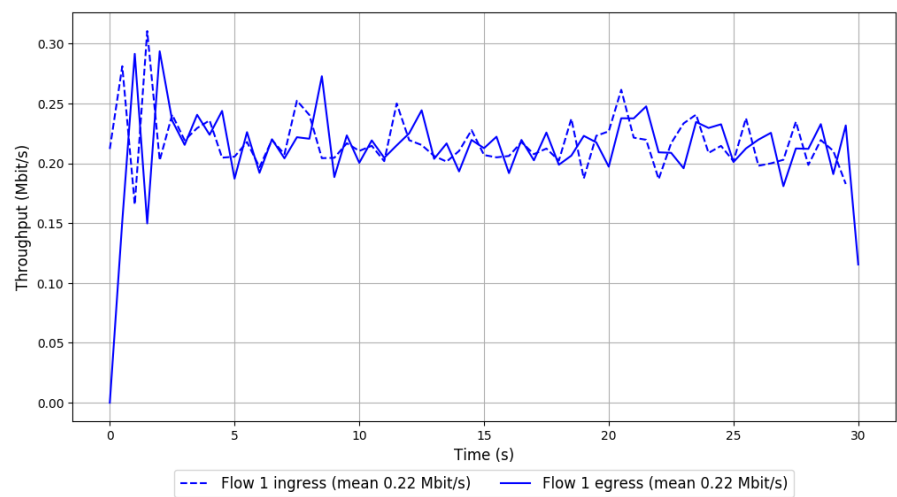
Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 136.39 ms)

209

```
Run 4: Statistics of SCReAM

Start at: 2018-08-02 15:30:20
End at: 2018-08-02 15:30:50
Local clock offset: -0.202 ms
Remote clock offset: 0.27 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.943 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.943 ms
Loss rate: 0.89%
```
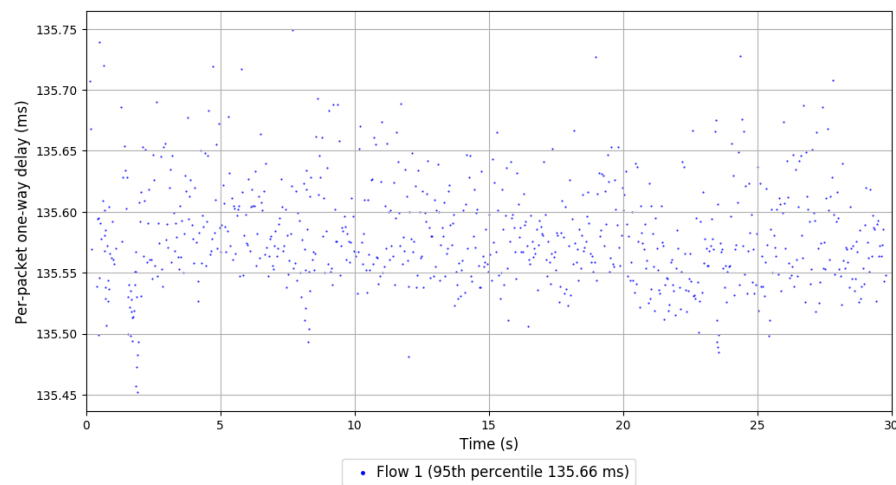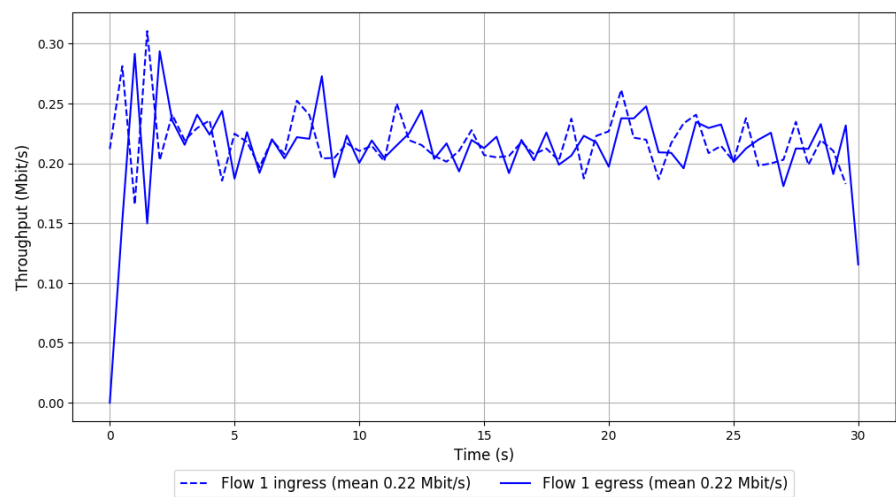
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2018-08-02 15:53:57
End at: 2018-08-02 15:54:27
Local clock offset: 0.273 ms
Remote clock offset: 0.464 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.661 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.661 ms
Loss rate: 0.89%
```
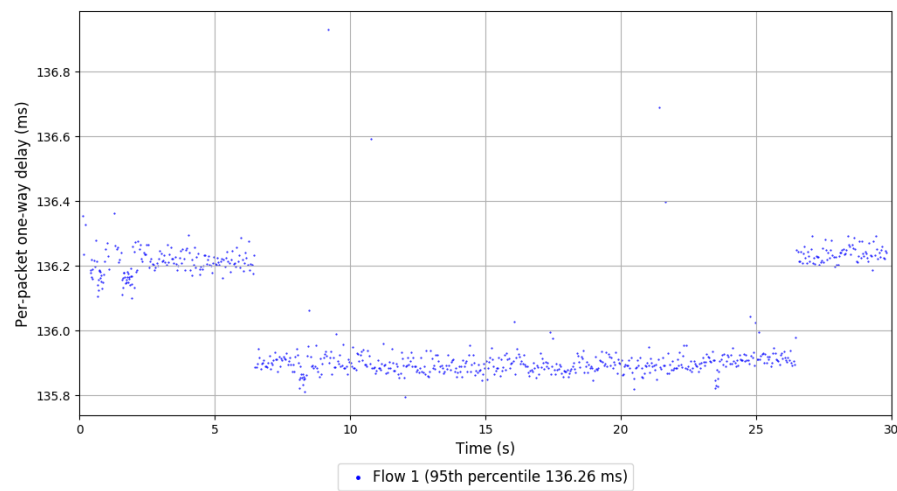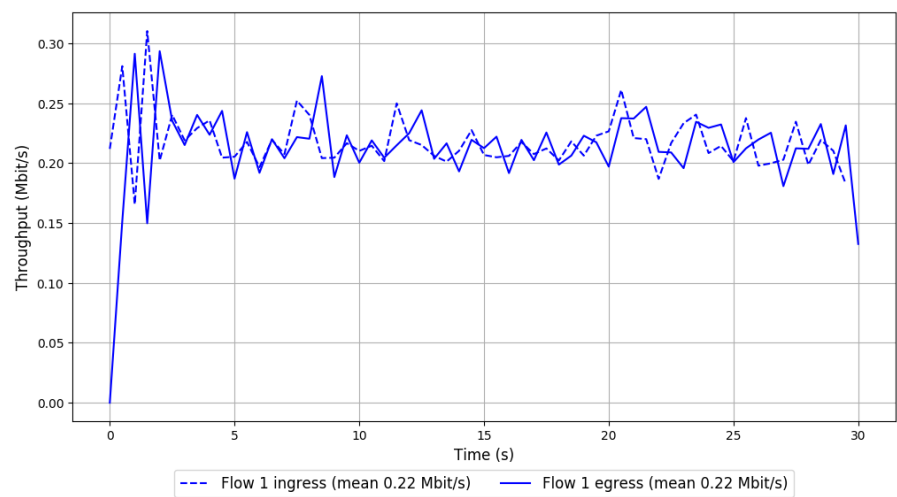
Run 5: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 135.66 ms)

```
Run 6: Statistics of SCReAM

Start at: 2018-08-02 16:17:11
End at: 2018-08-02 16:17:41
Local clock offset: 0.03 ms
Remote clock offset: 0.043 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.256 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.256 ms
Loss rate: 0.76%
```
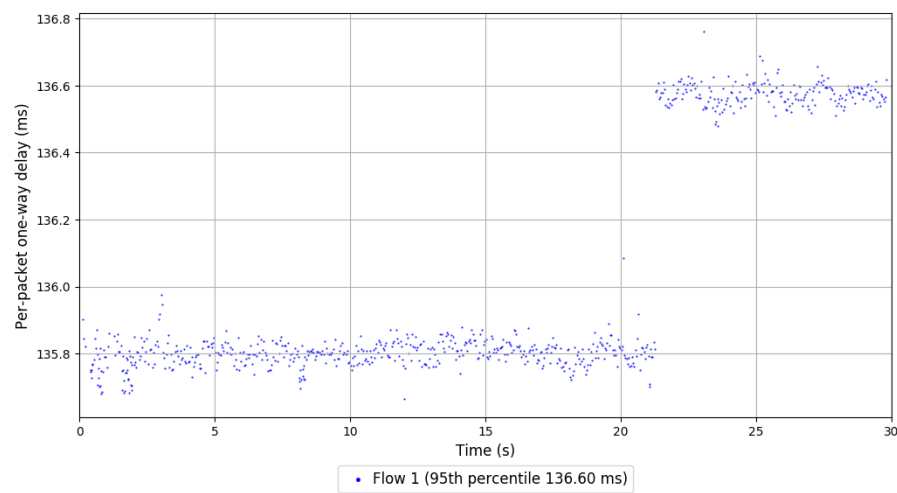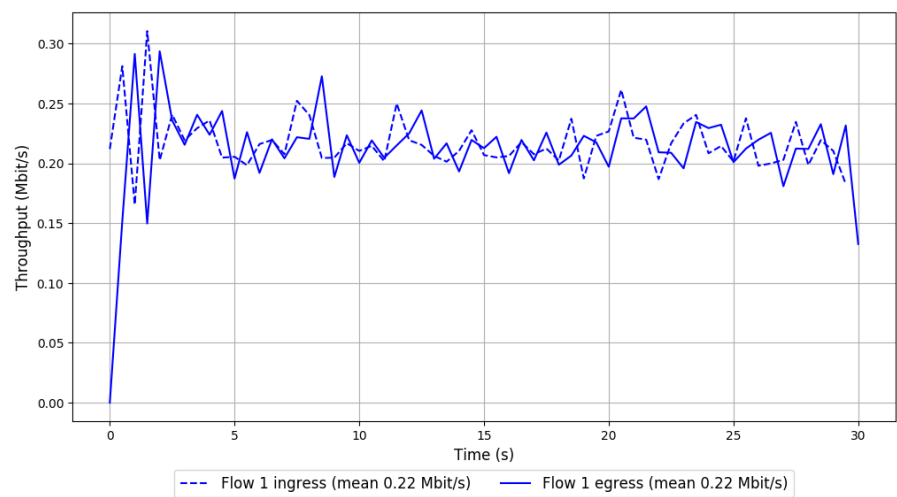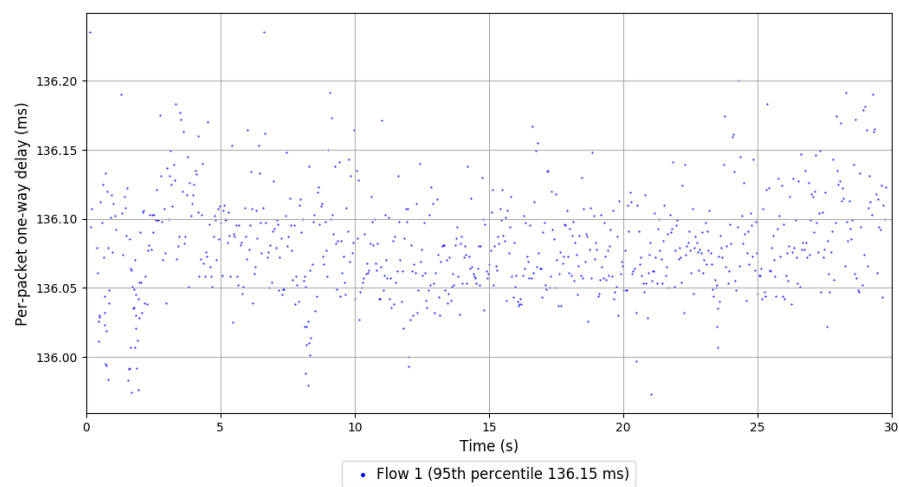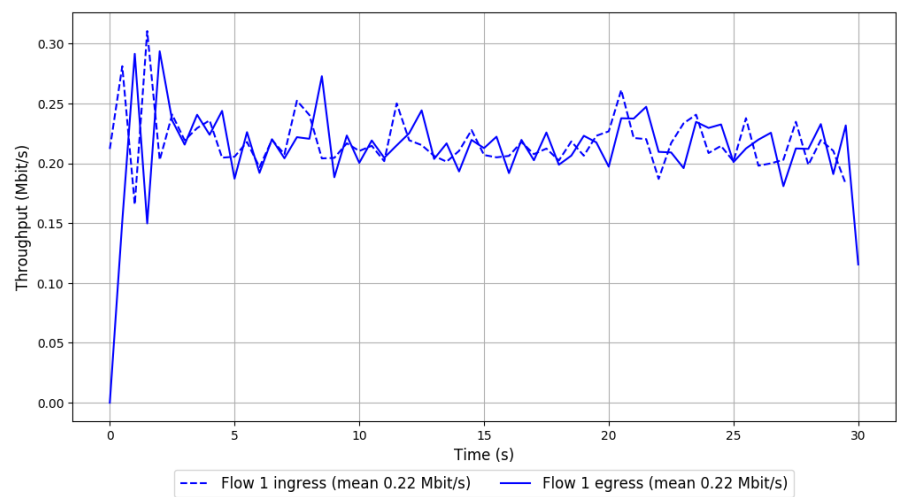
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 136.26 ms)

215

```
Run 7: Statistics of SCReAM

Start at: 2018-08-02 16:40:16
End at: 2018-08-02 16:40:46
Local clock offset: -0.129 ms
Remote clock offset: 0.016 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.603 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.603 ms
Loss rate: 0.76%
```

Run 7: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 136.60 ms)

```
Run 8: Statistics of SCReAM

Start at: 2018-08-02 17:03:26
End at: 2018-08-02 17:03:56
Local clock offset: 0.017 ms
Remote clock offset: -0.016 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.149 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.149 ms
Loss rate: 0.89%
```
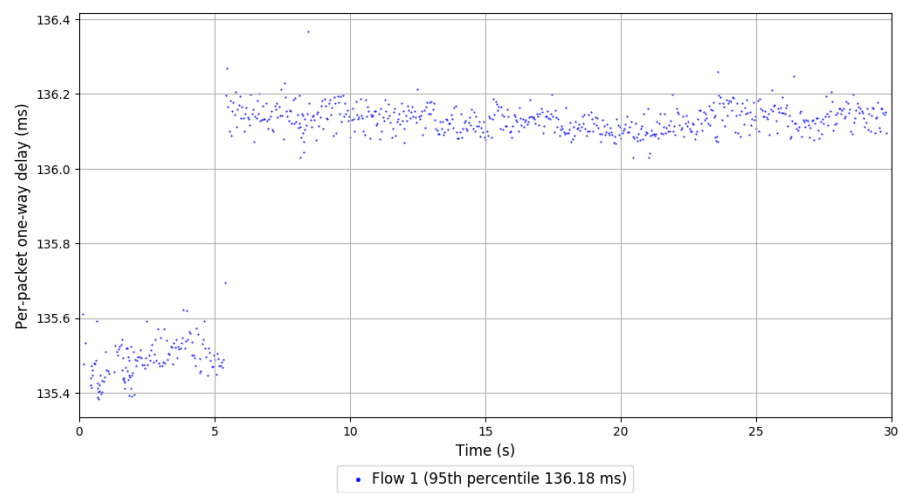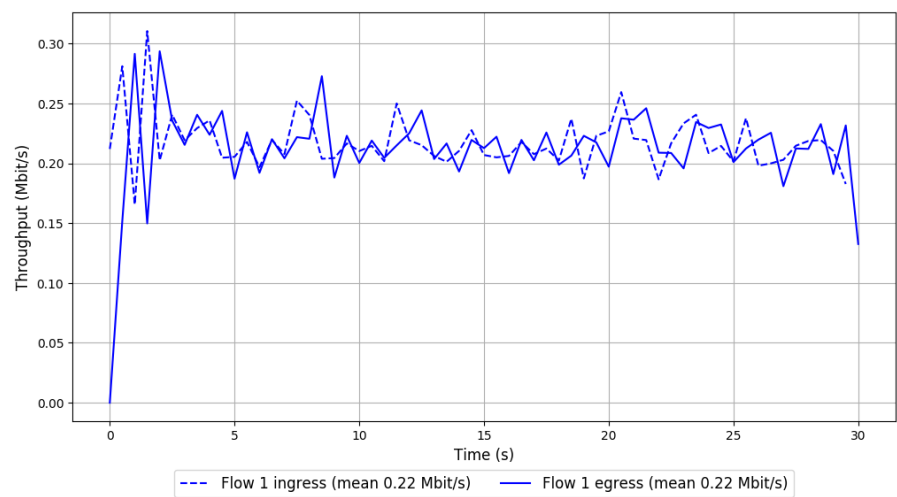
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 136.15 ms)

```
Run 9: Statistics of SCReAM

Start at: 2018-08-02 17:27:02
End at: 2018-08-02 17:27:32
Local clock offset: 0.053 ms
Remote clock offset: 0.428 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.184 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.184 ms
Loss rate: 0.76%
```
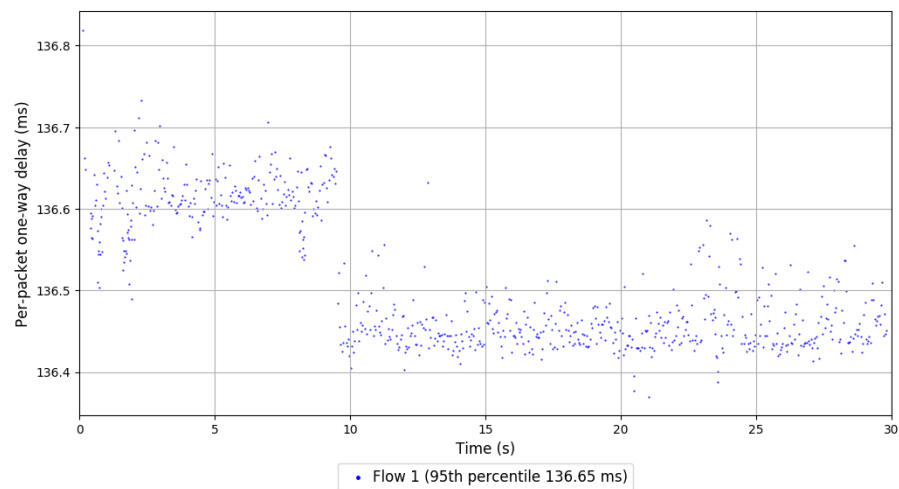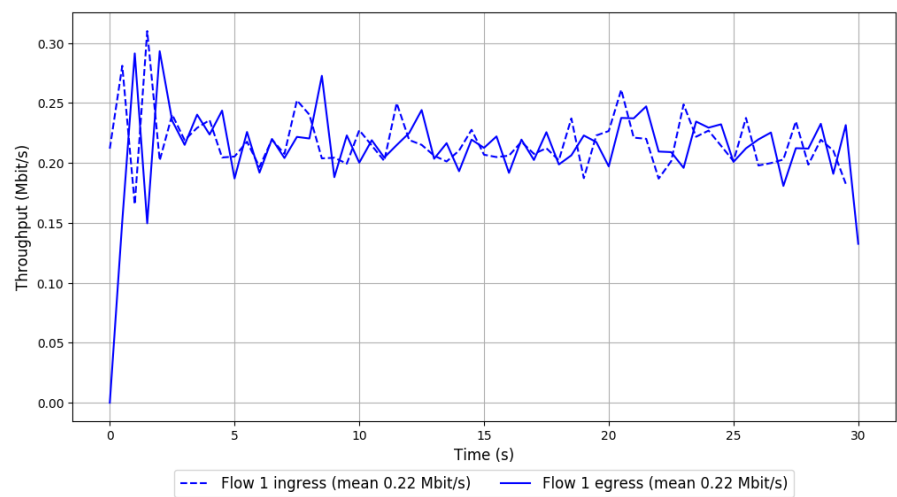
Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 136.18 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-08-02 17:50:08
End at: 2018-08-02 17:50:38
Local clock offset: 0.038 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.649 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.649 ms
Loss rate: 0.76%
```
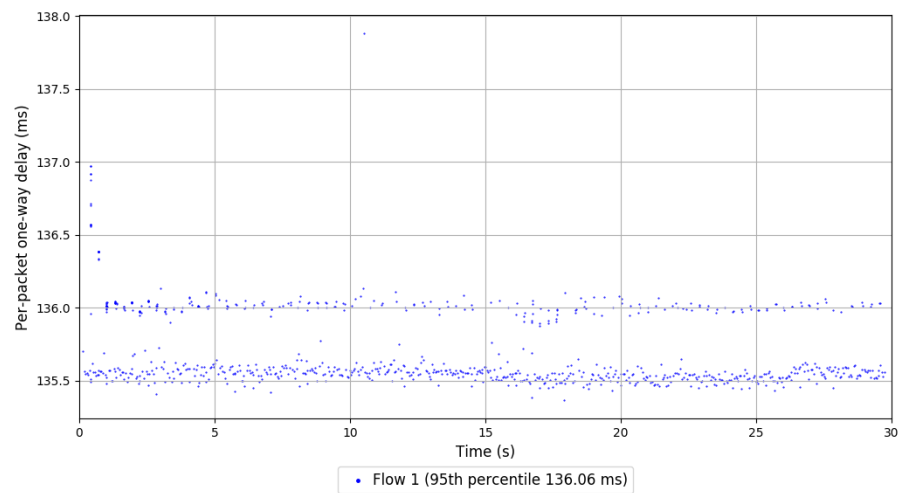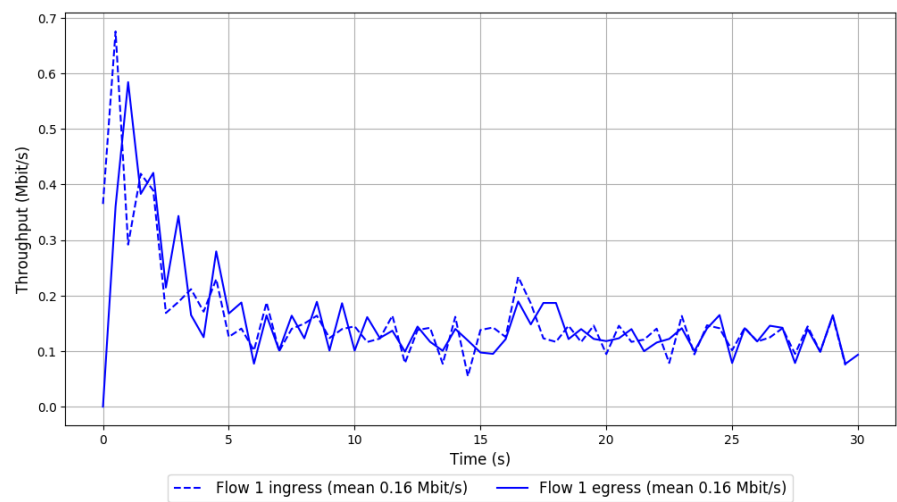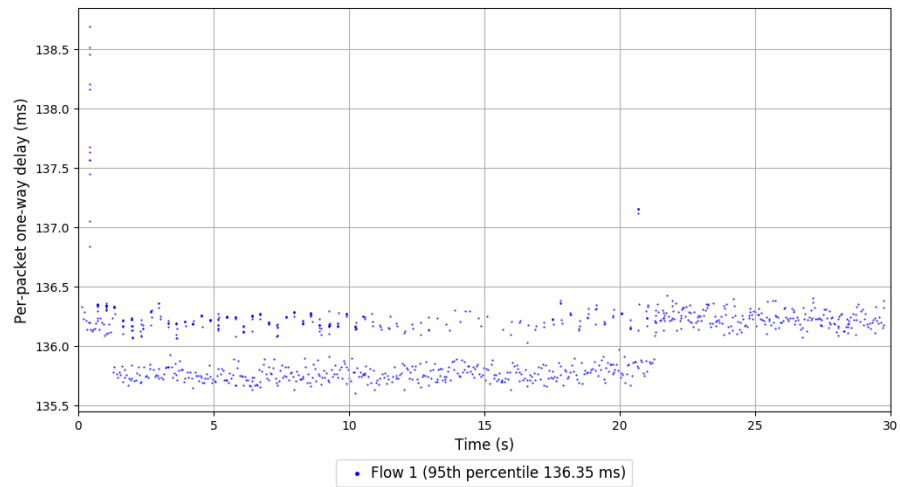
Run 10: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 136.65 ms)

223

```
Run 1: Statistics of Sprout

Start at: 2018-08-02 14:32:41
End at: 2018-08-02 14:33:11
Local clock offset: -0.343 ms
Remote clock offset: 0.421 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.059 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.059 ms
Loss rate: 0.73%
```
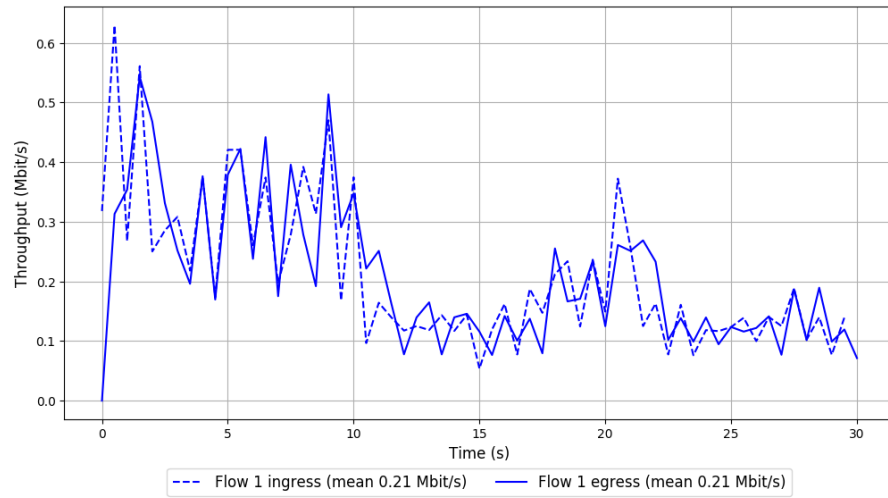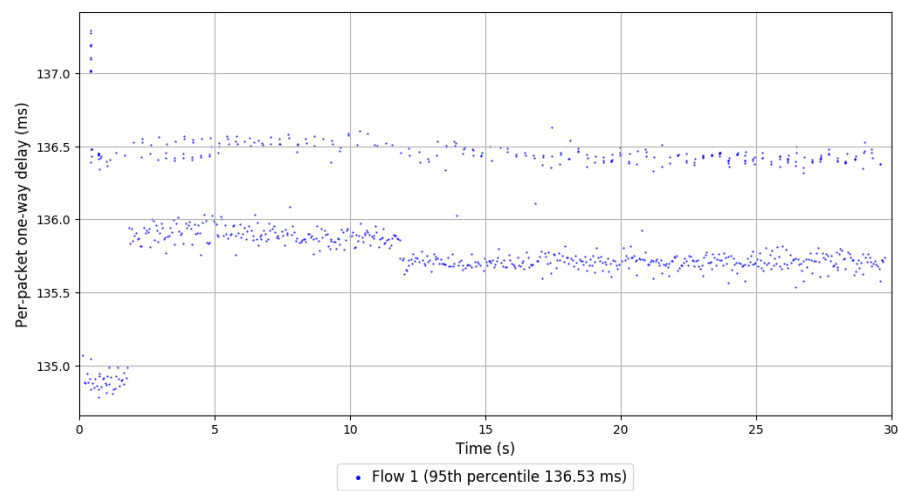
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-08-02 14:55:46
End at: 2018-08-02 14:56:16
Local clock offset: -0.268 ms
Remote clock offset: 0.631 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.347 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.347 ms
Loss rate: 0.56%
```
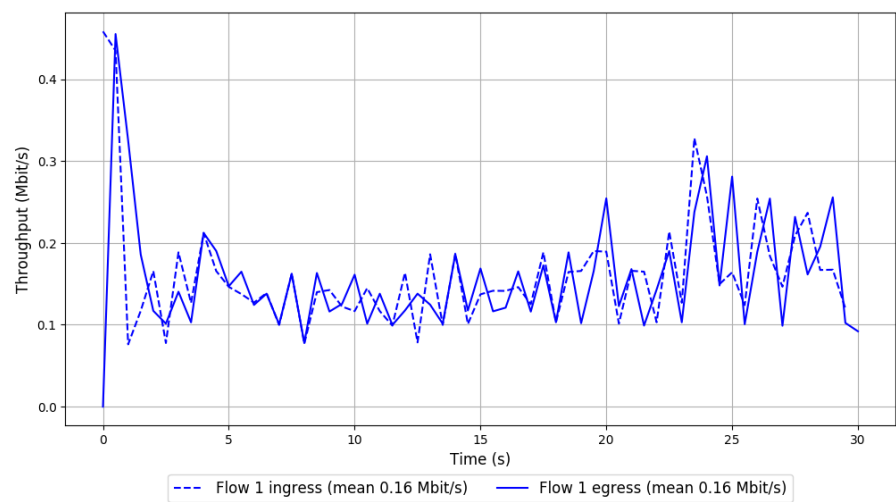
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2018-08-02 15:18:56
End at: 2018-08-02 15:19:26
Local clock offset: -0.59 ms
Remote clock offset: 0.374 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.530 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.530 ms
Loss rate: 0.99%
```
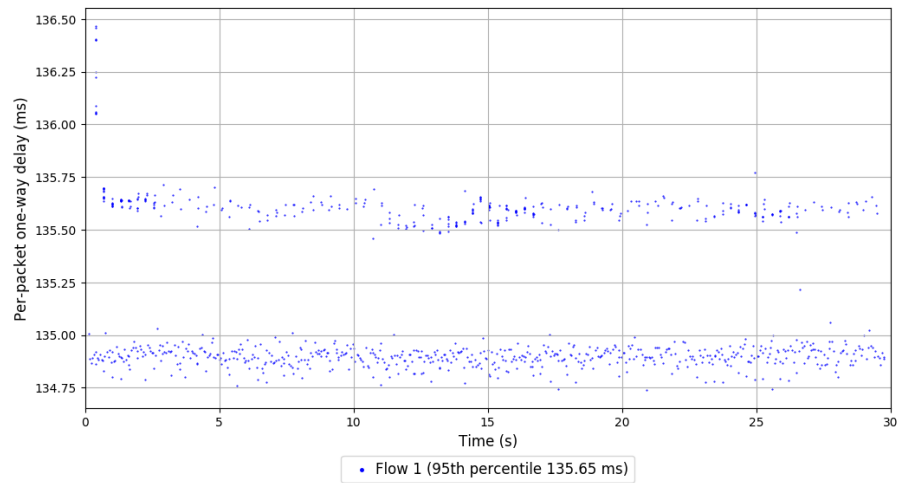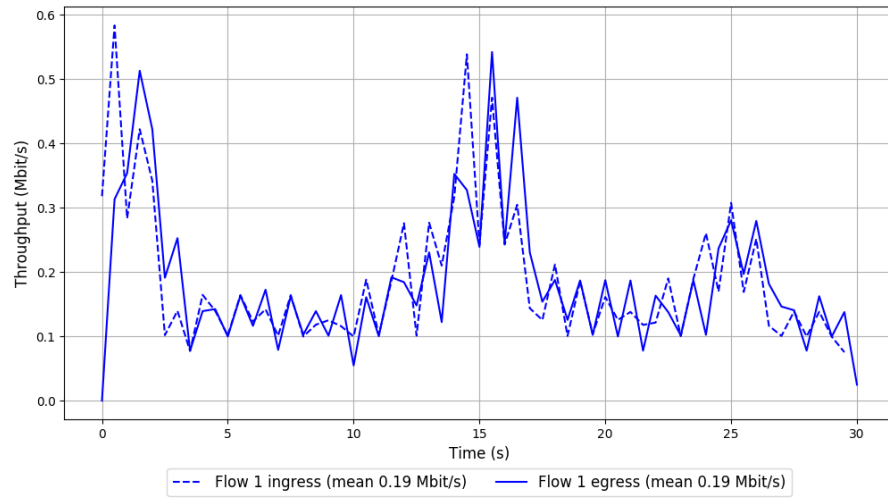
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 0.16 Mbit/s)   Flow 1 egress (mean 0.16 Mbit/s)

Flow 1 (95th percentile 136.53 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-08-02 15:42:22
End at: 2018-08-02 15:42:52
Local clock offset: -0.146 ms
Remote clock offset: 0.151 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 135.648 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 135.648 ms
Loss rate: 0.47%
```
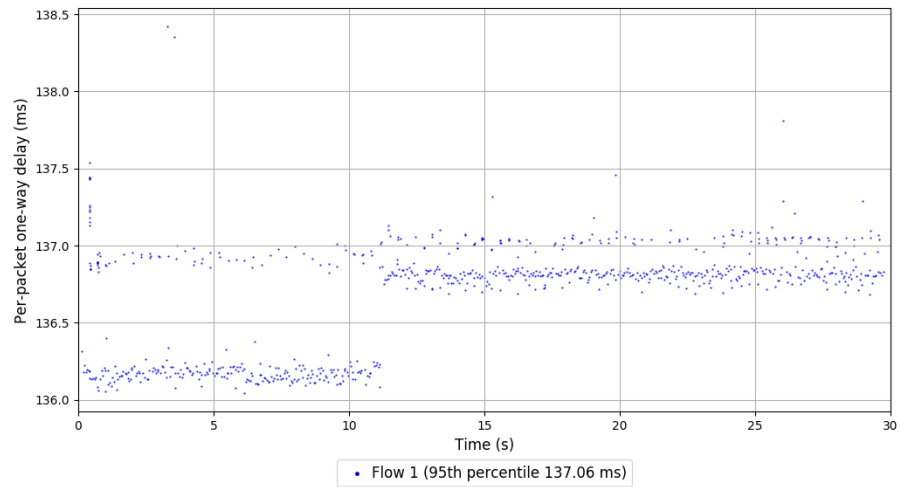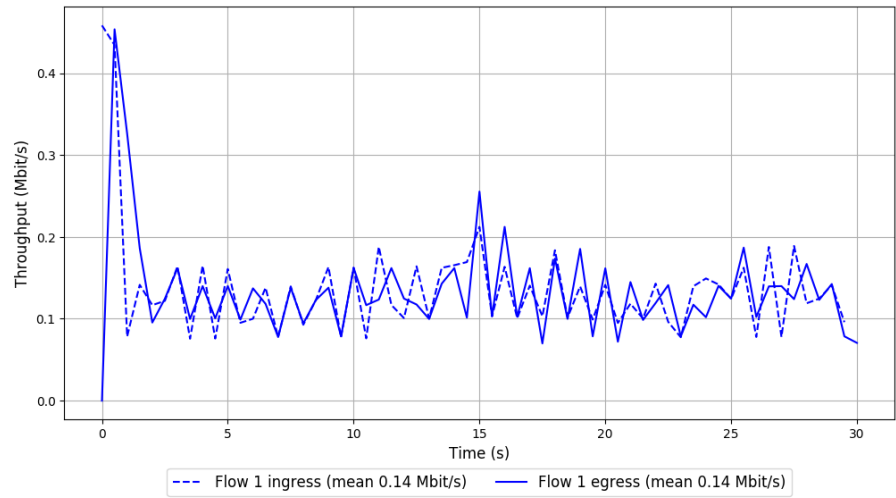
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2018-08-02 16:05:36
End at: 2018-08-02 16:06:06
Local clock offset: 0.051 ms
Remote clock offset: -0.28 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 137.062 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 137.062 ms
Loss rate: 1.12%
```
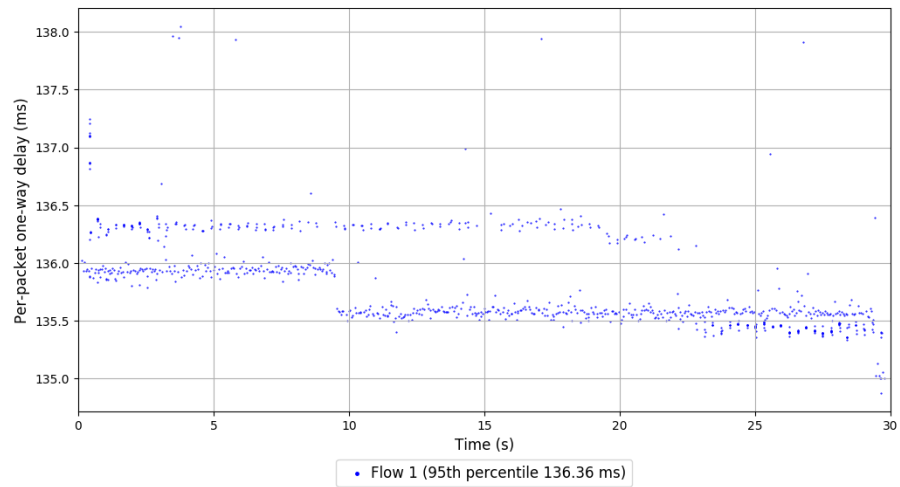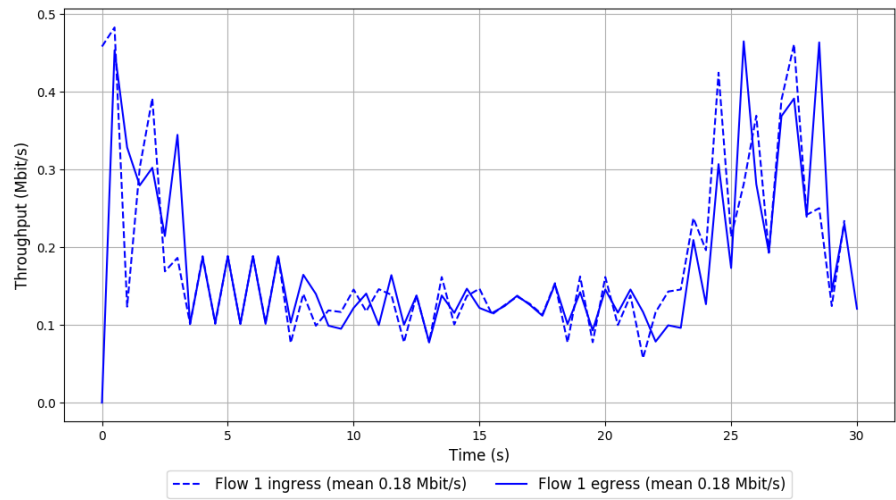
Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2018-08-02 16:28:48
End at: 2018-08-02 16:29:18
Local clock offset: 0.03 ms
Remote clock offset: 0.43 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.358 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.358 ms
Loss rate: 1.10%
```
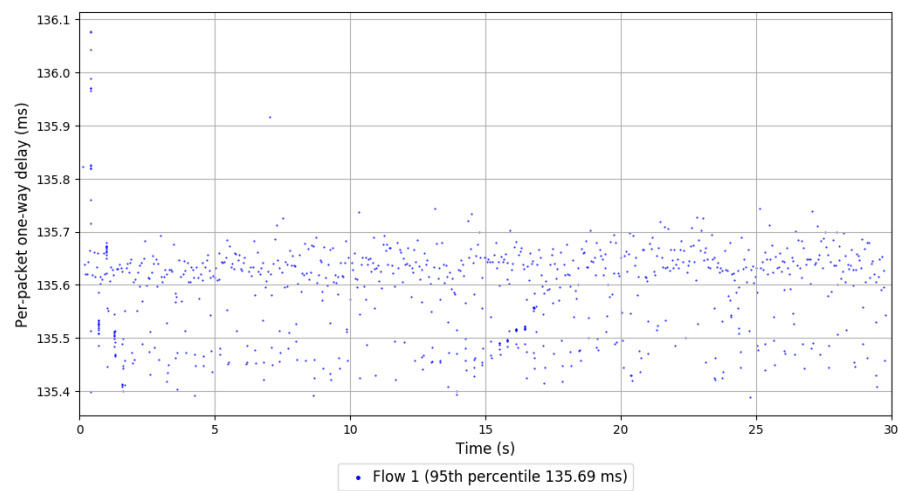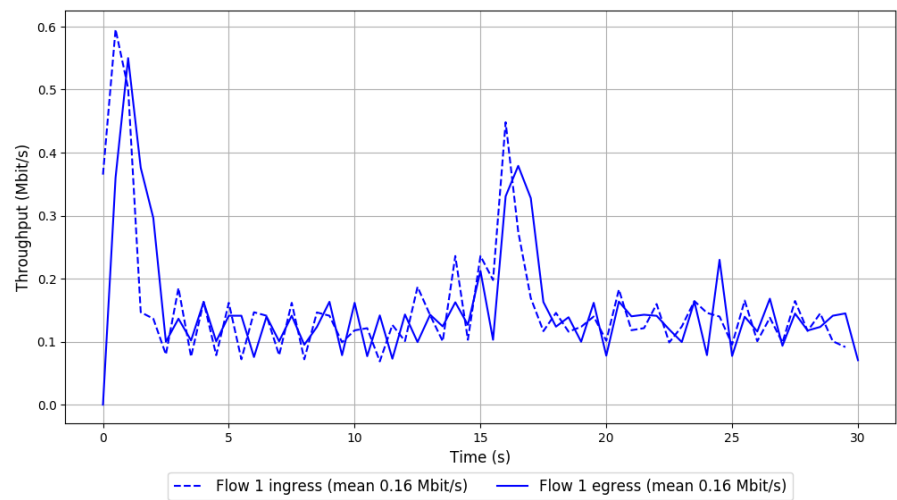
Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2018-08-02 16:52:09
End at: 2018-08-02 16:52:39
Local clock offset: 0.021 ms
Remote clock offset: 0.37 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.693 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.693 ms
Loss rate: 0.26%
```
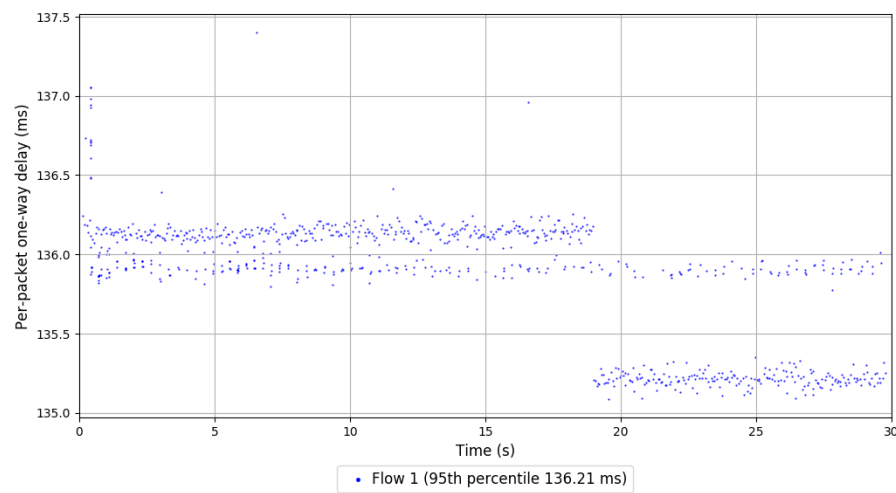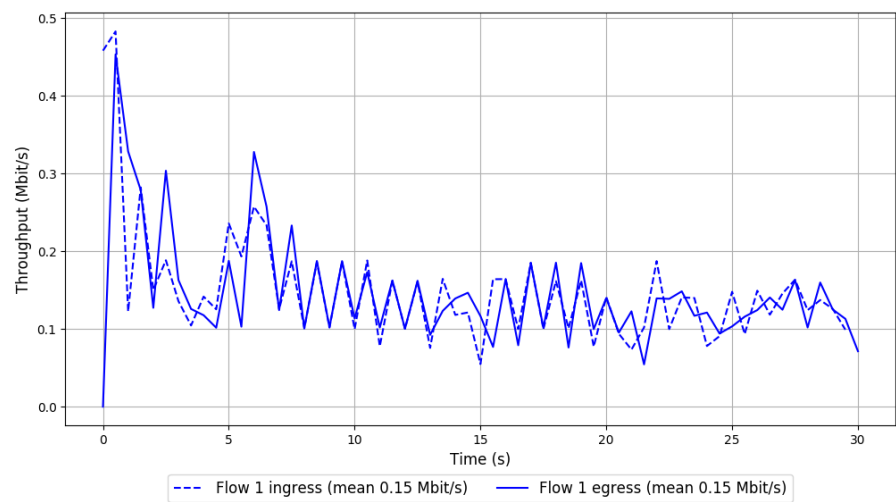
Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2018-08-02 17:15:19
End at: 2018-08-02 17:15:49
Local clock offset: 0.153 ms
Remote clock offset: 0.051 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.206 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.206 ms
Loss rate: 0.91%
```
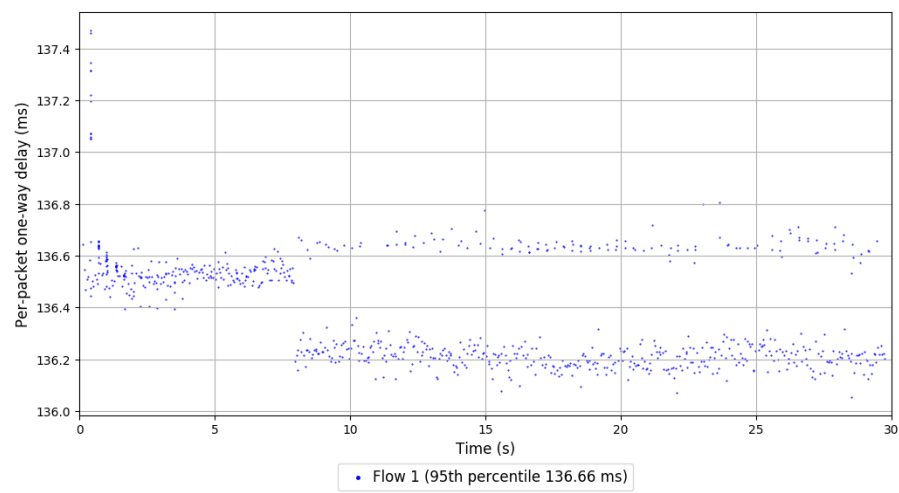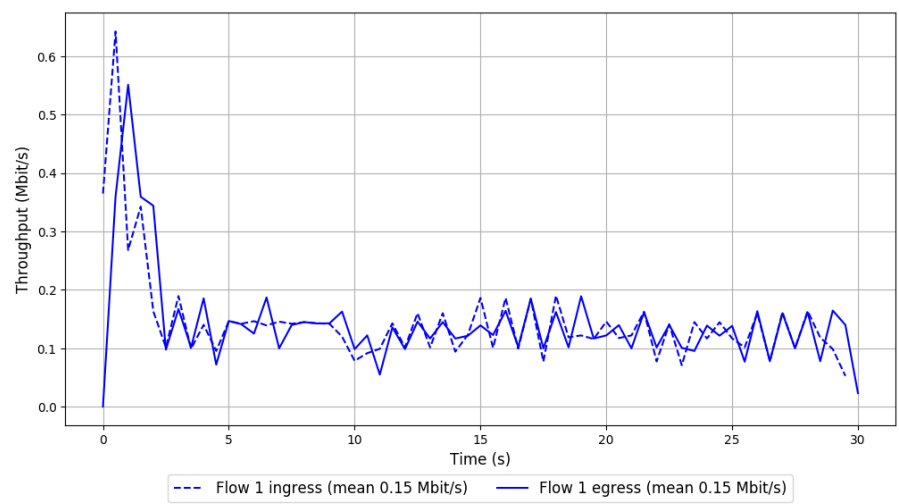
Run 8: Report of Sprout — Data Link

239

```
Run 9: Statistics of Sprout

Start at: 2018-08-02 17:38:50
End at: 2018-08-02 17:39:20
Local clock offset: -0.048 ms
Remote clock offset: 0.053 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.658 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.658 ms
Loss rate: 0.37%
```
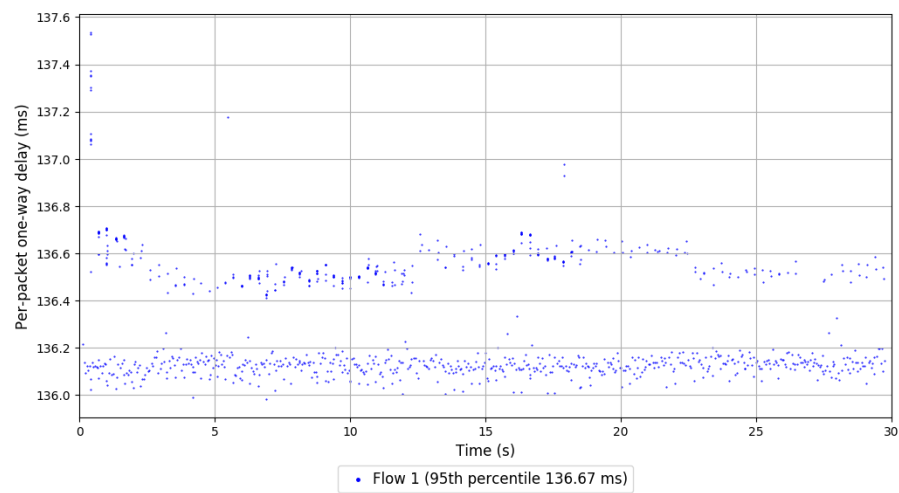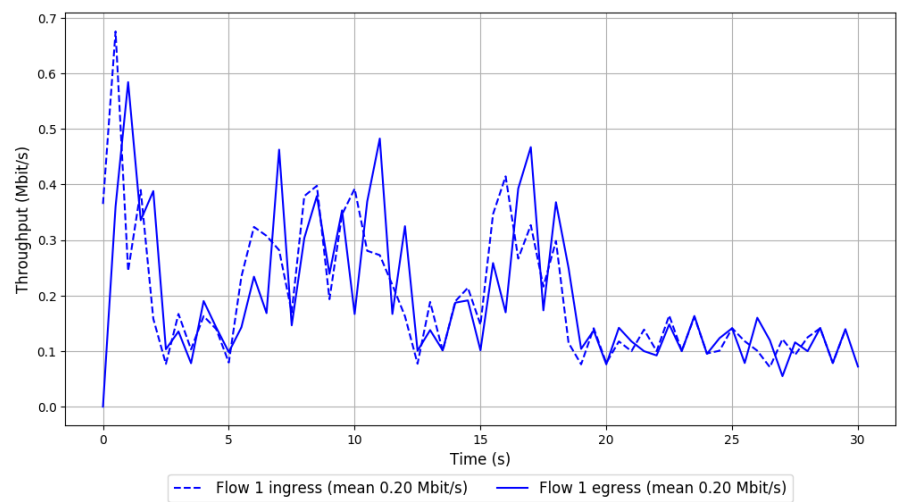
Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-08-02 18:01:45
End at: 2018-08-02 18:02:15
Local clock offset: 0.265 ms
Remote clock offset: 0.391 ms


# Below is generated by plot.py at 2018-08-02 19:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.667 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.667 ms
Loss rate: 0.59%
```

Run 10: Report of Sprout — Data Link

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

Start at: 2018-08-02 14:28:32
End at: 2018-08-02 14:29:02
Local clock offset: -0.265 ms
Remote clock offset: -0.044 ms


# Below is generated by plot.py at 2018-08-02 19:48:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.90 Mbit/s
95th percentile per-packet one-way delay: 135.917 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 229.90 Mbit/s
95th percentile per-packet one-way delay: 135.917 ms
Loss rate: 0.92%
```
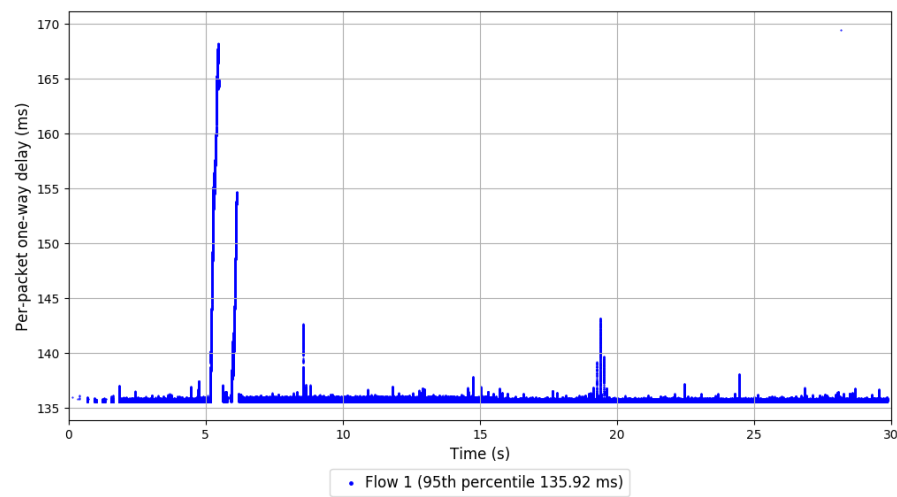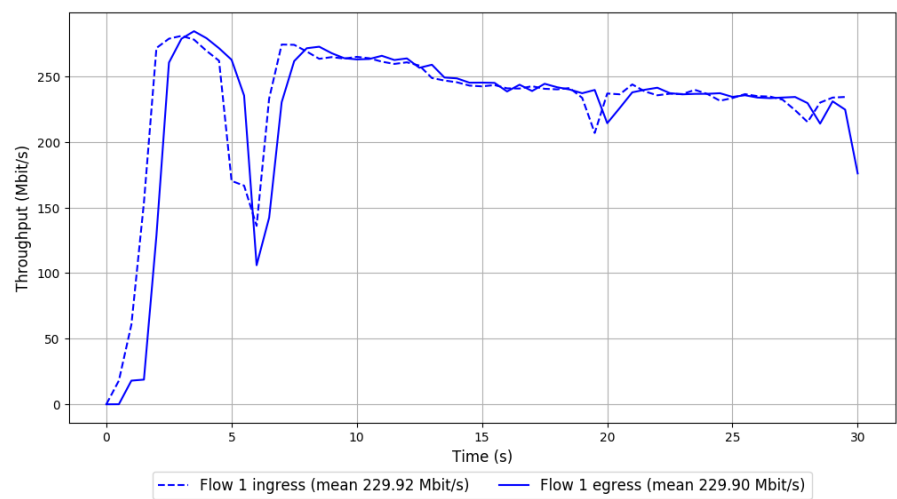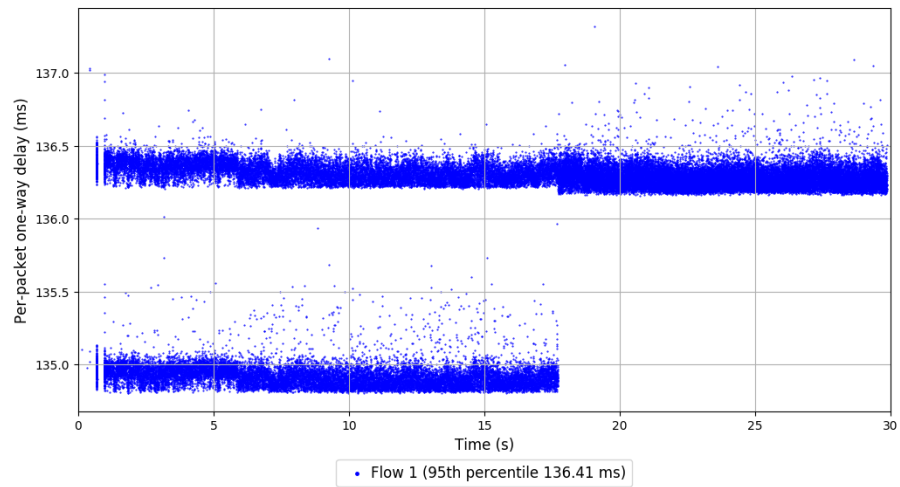
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 229.92 Mbit/s)   Flow 1 egress (mean 229.90 Mbit/s)

Flow 1 (95th percentile 135.92 ms)

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

Start at: 2018-08-02 14:51:50
End at: 2018-08-02 14:52:20
Local clock offset: -0.396 ms
Remote clock offset: 0.248 ms


# Below is generated by plot.py at 2018-08-02 19:48:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 136.410 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 136.410 ms
Loss rate: 0.92%
```
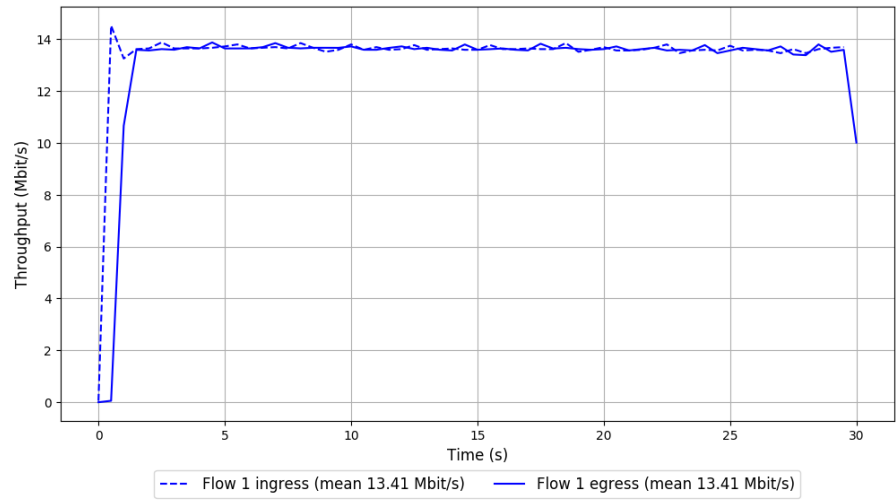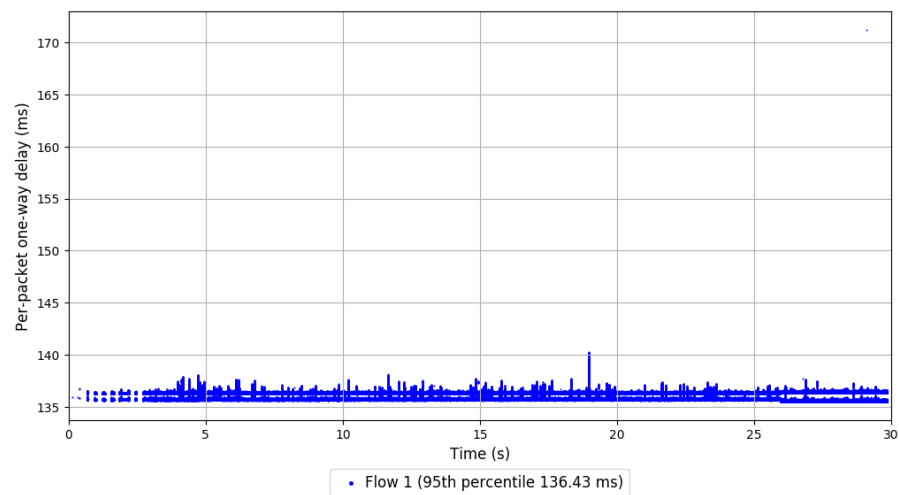
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 13.41 Mbit/s) --- Flow 1 egress (mean 13.41 Mbit/s)

• Flow 1 (95th percentile 136.41 ms)

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

Start at: 2018-08-02 15:14:42
End at: 2018-08-02 15:15:12
Local clock offset: -0.582 ms
Remote clock offset: 0.308 ms


# Below is generated by plot.py at 2018-08-02 19:48:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.17 Mbit/s
95th percentile per-packet one-way delay: 136.430 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 209.17 Mbit/s
95th percentile per-packet one-way delay: 136.430 ms
Loss rate: 0.99%
```
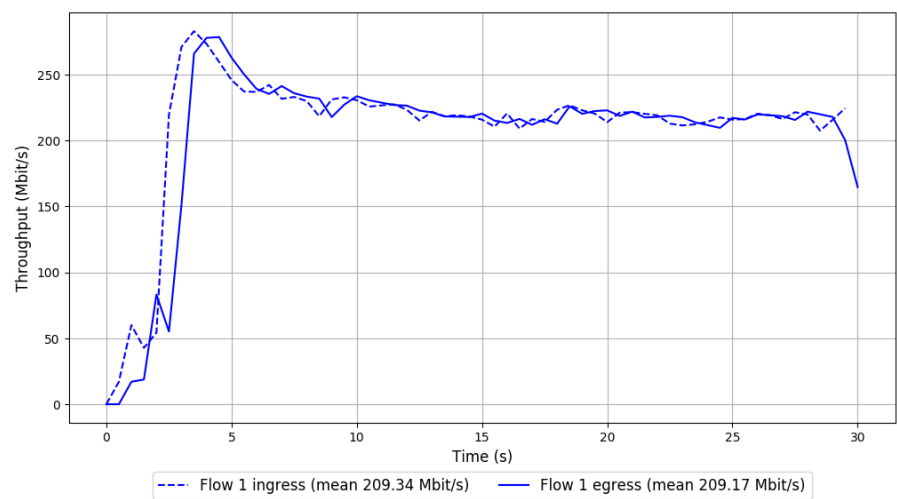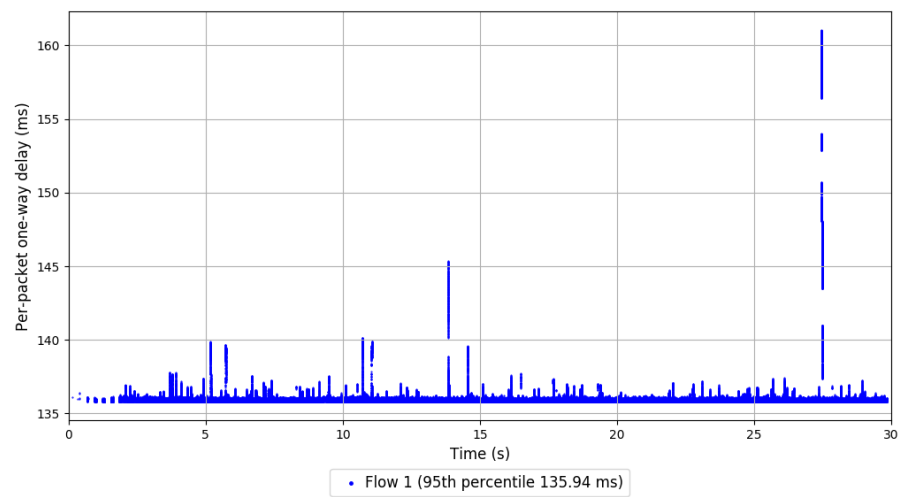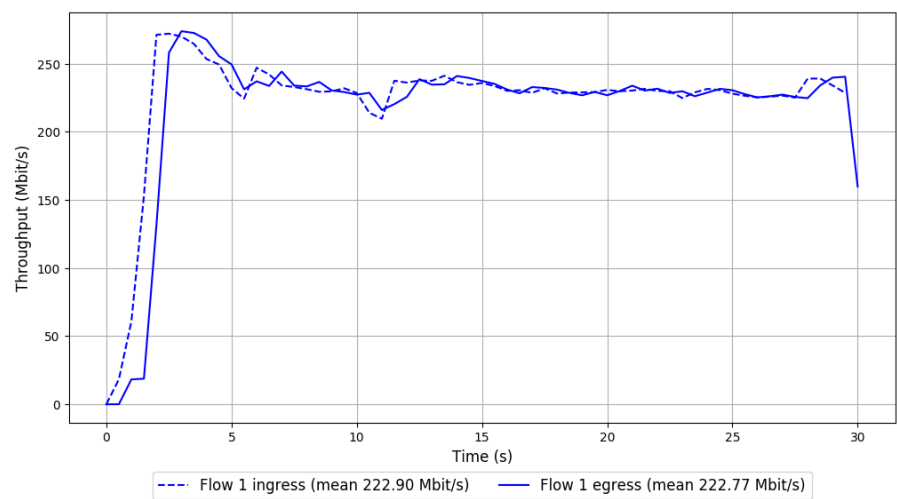
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 209.34 Mbit/s) --- Flow 1 egress (mean 209.17 Mbit/s)

Flow 1 (95th percentile 136.43 ms)

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

Start at: 2018-08-02 15:38:07
End at: 2018-08-02 15:38:37
Local clock offset: 0.168 ms
Remote clock offset: 0.18 ms


# Below is generated by plot.py at 2018-08-02 19:48:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.77 Mbit/s
95th percentile per-packet one-way delay: 135.939 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 222.77 Mbit/s
95th percentile per-packet one-way delay: 135.939 ms
Loss rate: 0.97%
```

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

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

Start at: 2018-08-02 16:01:40
End at: 2018-08-02 16:02:10
Local clock offset: -0.03 ms
Remote clock offset: 0.423 ms


# Below is generated by plot.py at 2018-08-02 19:48:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 136.137 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 136.137 ms
Loss rate: 0.93%
```
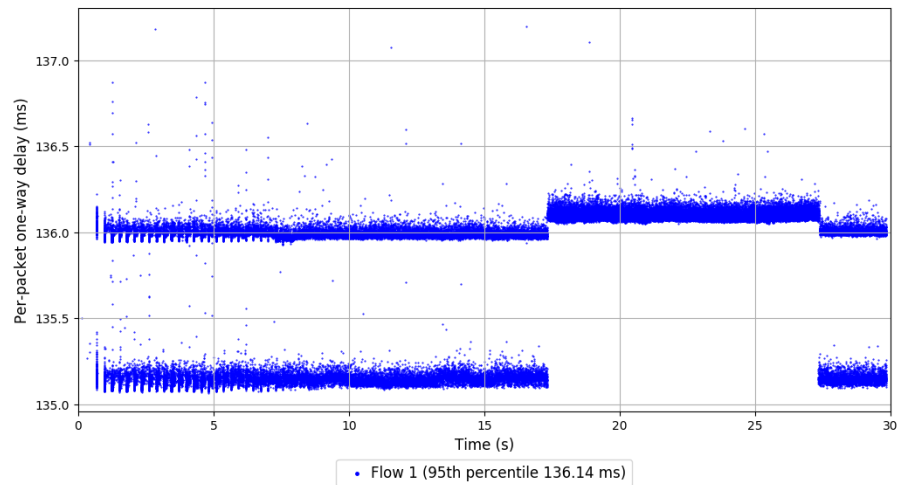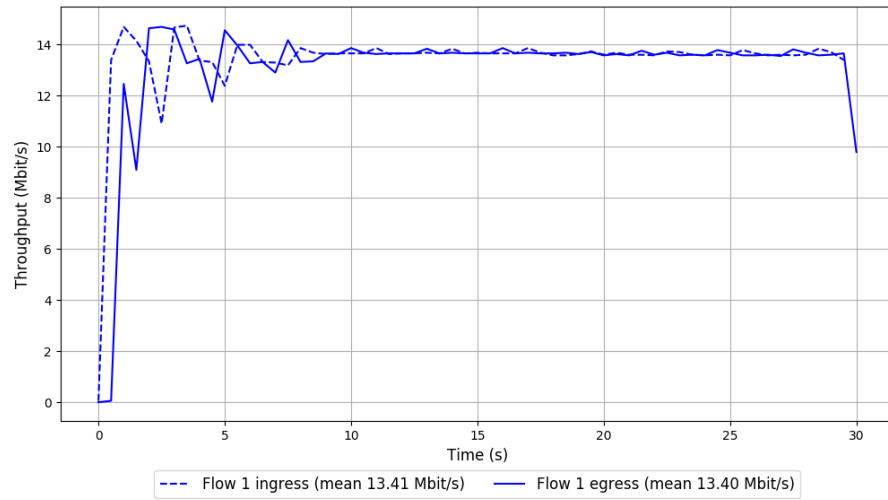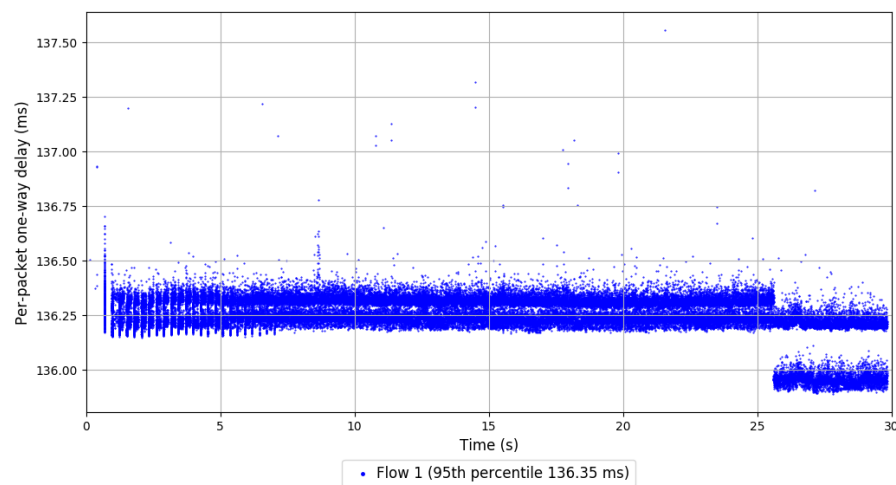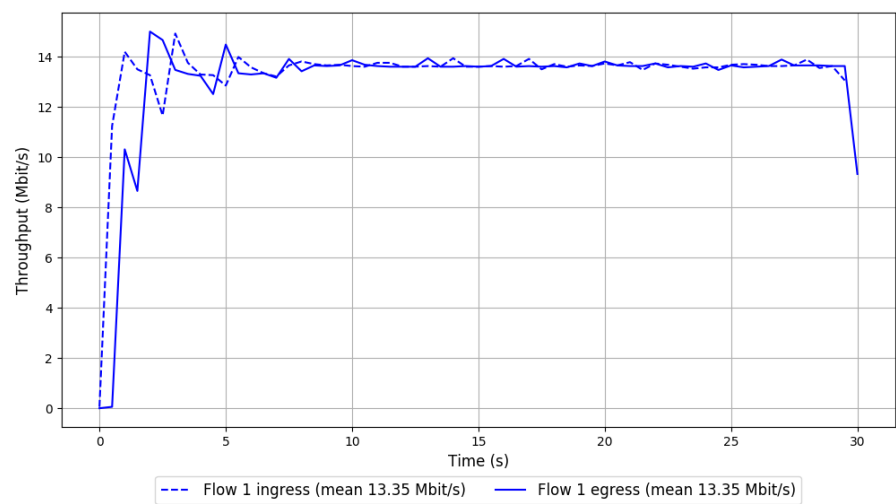
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 13.41 Mbit/s) --- Flow 1 egress (mean 13.40 Mbit/s)

Flow 1 (95th percentile 136.14 ms)

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

Start at: 2018-08-02 16:24:52
End at: 2018-08-02 16:25:22
Local clock offset: 0.162 ms
Remote clock offset: 0.406 ms


# Below is generated by plot.py at 2018-08-02 19:48:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 136.355 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 136.355 ms
Loss rate: 0.94%
```
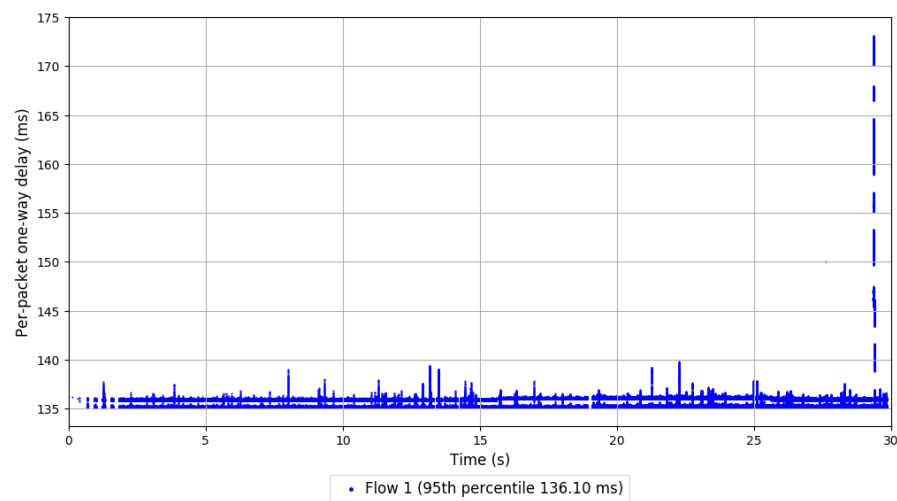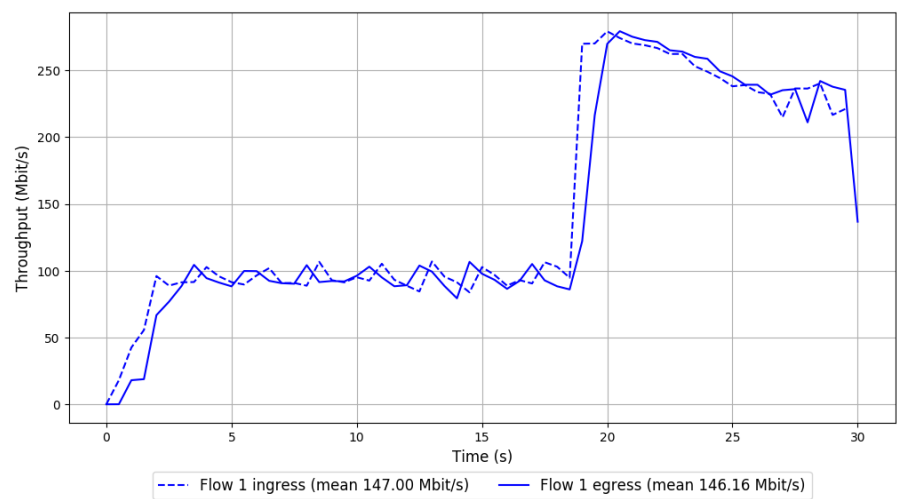
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 13.35 Mbit/s) --- Flow 1 egress (mean 13.35 Mbit/s)

• Flow 1 (95th percentile 136.35 ms)

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

Start at: 2018-08-02 16:48:02
End at: 2018-08-02 16:48:32
Local clock offset: -0.116 ms
Remote clock offset: 0.374 ms


# Below is generated by plot.py at 2018-08-02 19:48:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.16 Mbit/s
95th percentile per-packet one-way delay: 136.103 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 146.16 Mbit/s
95th percentile per-packet one-way delay: 136.103 ms
Loss rate: 1.47%
```
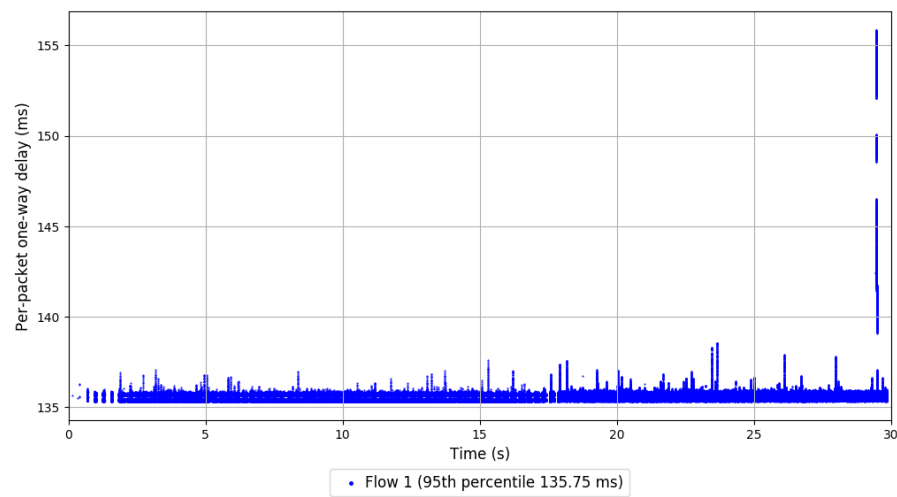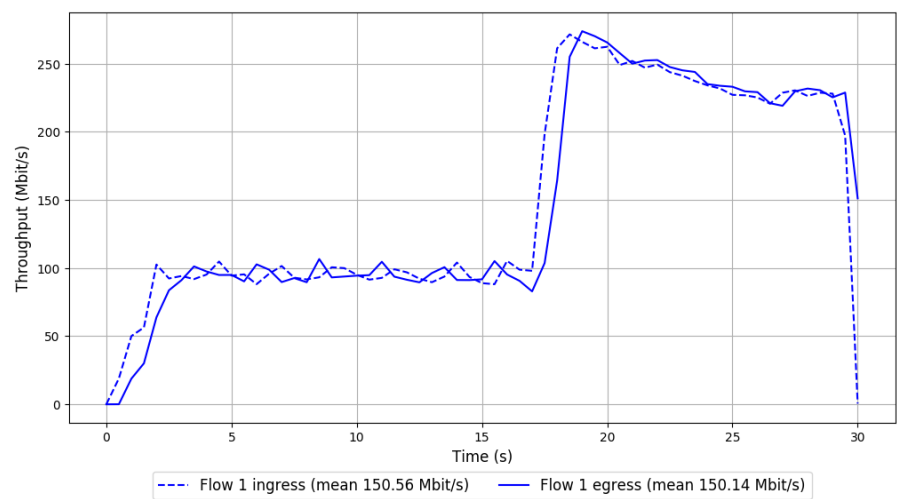
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 147.00 Mbit/s) —— Flow 1 egress (mean 146.16 Mbit/s)

• Flow 1 (95th percentile 136.10 ms)

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

Start at: 2018-08-02 17:11:11
End at: 2018-08-02 17:11:41
Local clock offset: 0.071 ms
Remote clock offset: 0.046 ms


# Below is generated by plot.py at 2018-08-02 19:48:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 150.14 Mbit/s
95th percentile per-packet one-way delay: 135.752 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 150.14 Mbit/s
95th percentile per-packet one-way delay: 135.752 ms
Loss rate: 1.19%
```
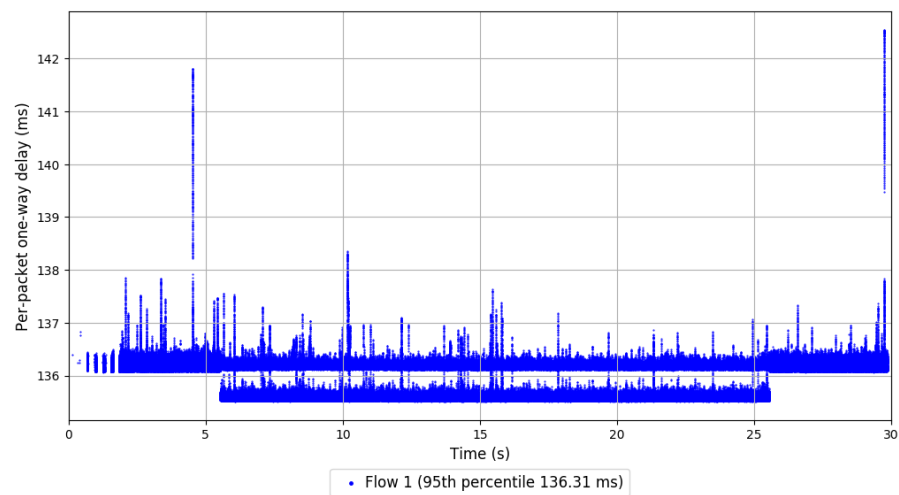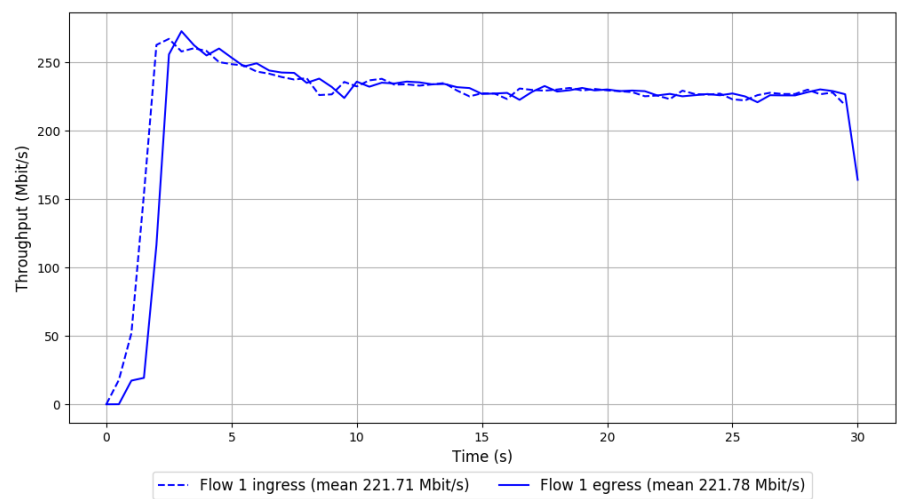
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 150.56 Mbit/s) — — — Flow 1 egress (mean 150.14 Mbit/s)

Flow 1 (95th percentile 135.75 ms)

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

Start at: 2018-08-02 17:34:32
End at: 2018-08-02 17:35:02
Local clock offset: 0.094 ms
Remote clock offset: 0.433 ms


# Below is generated by plot.py at 2018-08-02 19:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.78 Mbit/s
95th percentile per-packet one-way delay: 136.307 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 221.78 Mbit/s
95th percentile per-packet one-way delay: 136.307 ms
Loss rate: 0.87%
```
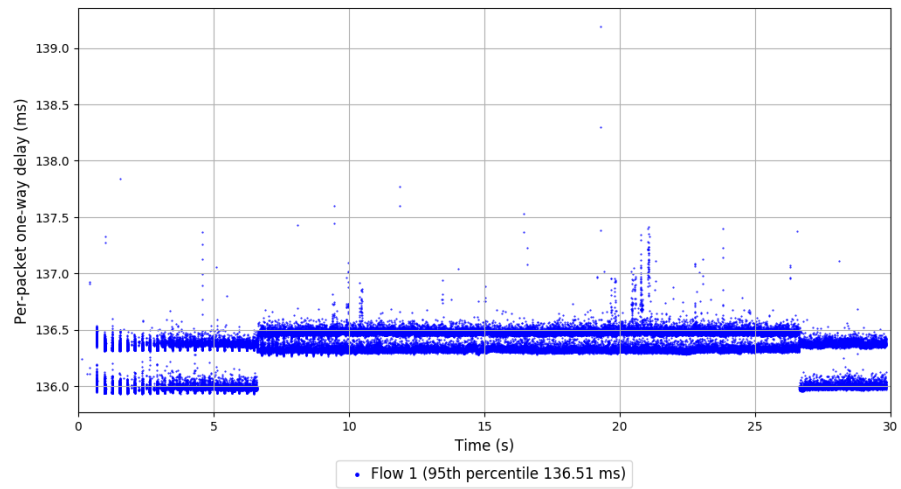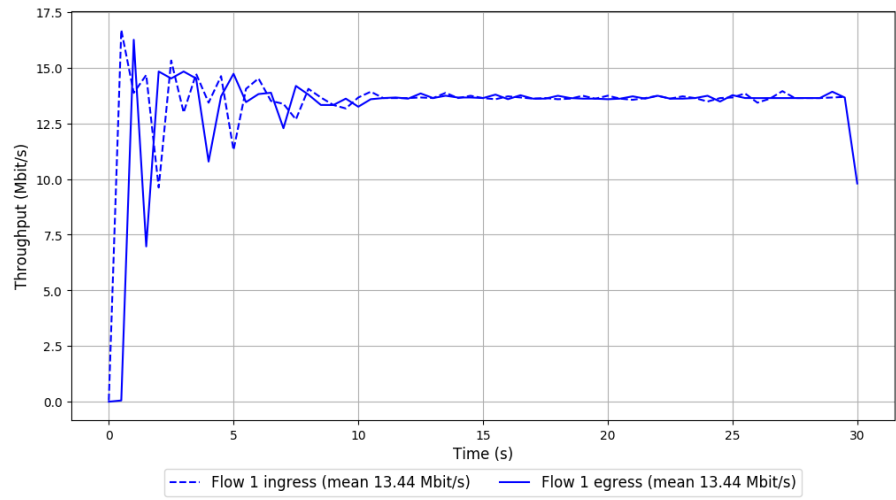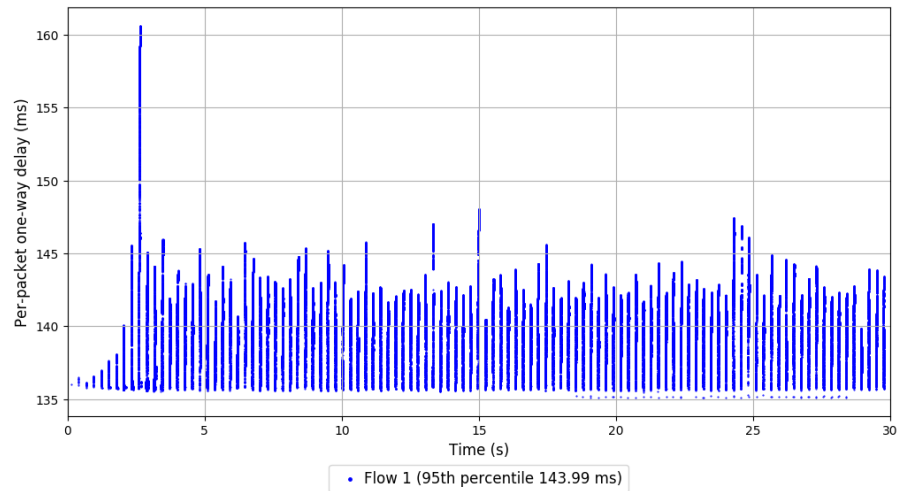
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 221.71 Mbit/s)   Flow 1 egress (mean 221.78 Mbit/s)

• Flow 1 (95th percentile 136.31 ms)

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

Start at: 2018-08-02 17:57:51
End at: 2018-08-02 17:58:21
Local clock offset: -0.077 ms
Remote clock offset: 0.048 ms


# Below is generated by plot.py at 2018-08-02 19:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.44 Mbit/s
95th percentile per-packet one-way delay: 136.508 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 13.44 Mbit/s
95th percentile per-packet one-way delay: 136.508 ms
Loss rate: 0.93%
```
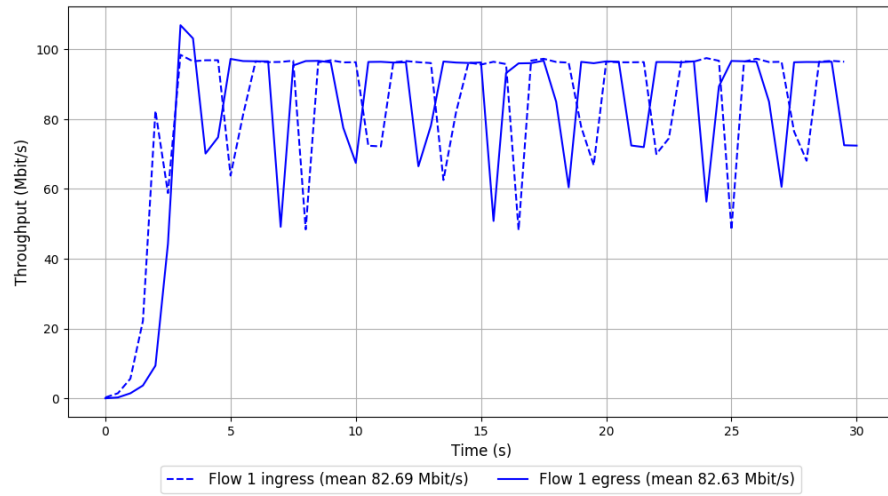
Run 10: Report of TaoVA-100x — Data Link

```
Run 1: Statistics of TCP Vegas

Start at: 2018-08-02 14:26:09
End at: 2018-08-02 14:26:39
Local clock offset: -0.291 ms
Remote clock offset: -0.063 ms


# Below is generated by plot.py at 2018-08-02 19:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 143.989 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 143.989 ms
Loss rate: 0.97%
```

Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-08-02 14:49:29
End at: 2018-08-02 14:49:59
Local clock offset: -0.236 ms
Remote clock offset: 0.19 ms


# Below is generated by plot.py at 2018-08-02 19:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 137.433 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 137.433 ms
Loss rate: 1.01%
```
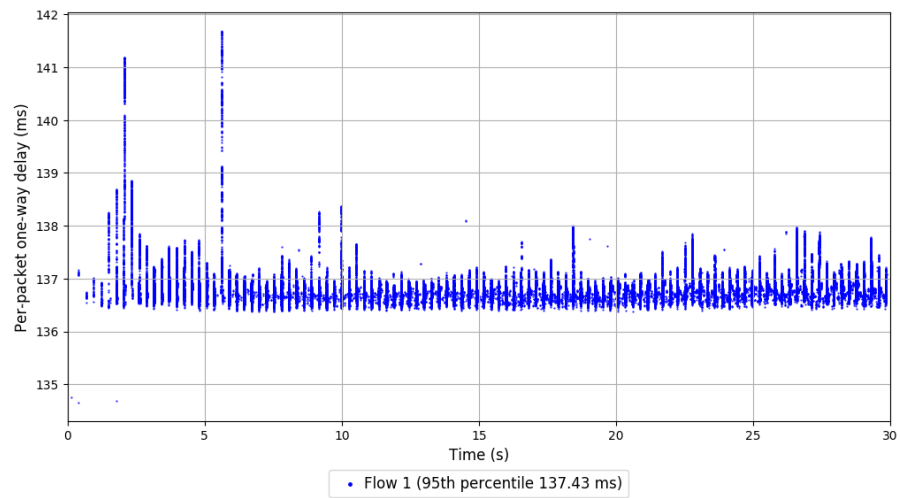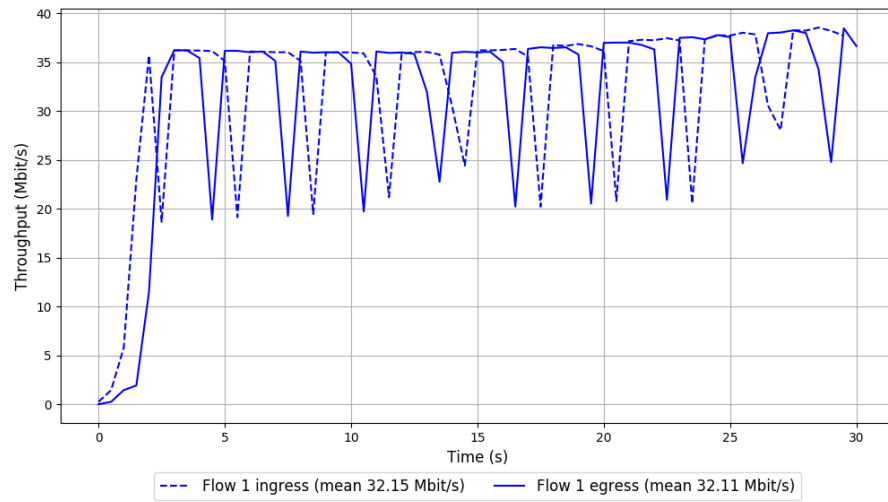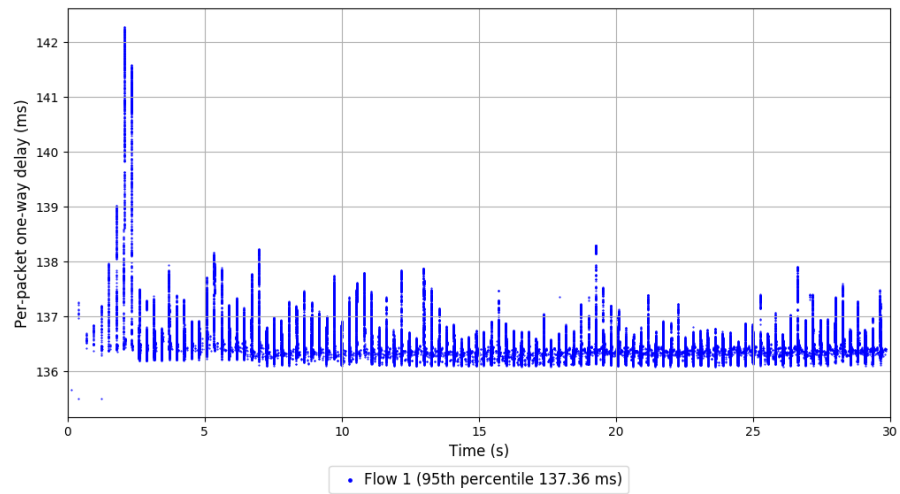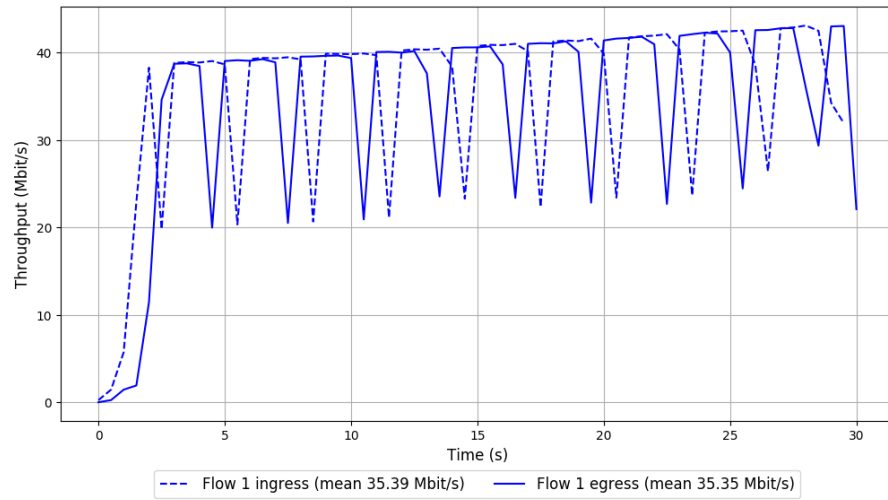
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-08-02 15:12:21
End at: 2018-08-02 15:12:51
Local clock offset: -0.379 ms
Remote clock offset: 0.673 ms


# Below is generated by plot.py at 2018-08-02 19:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.35 Mbit/s
95th percentile per-packet one-way delay: 137.356 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 35.35 Mbit/s
95th percentile per-packet one-way delay: 137.356 ms
Loss rate: 1.02%
```

Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2018-08-02 15:35:44
End at: 2018-08-02 15:36:14
Local clock offset: -0.094 ms
Remote clock offset: 0.177 ms


# Below is generated by plot.py at 2018-08-02 19:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 143.188 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 143.188 ms
Loss rate: 1.06%
```
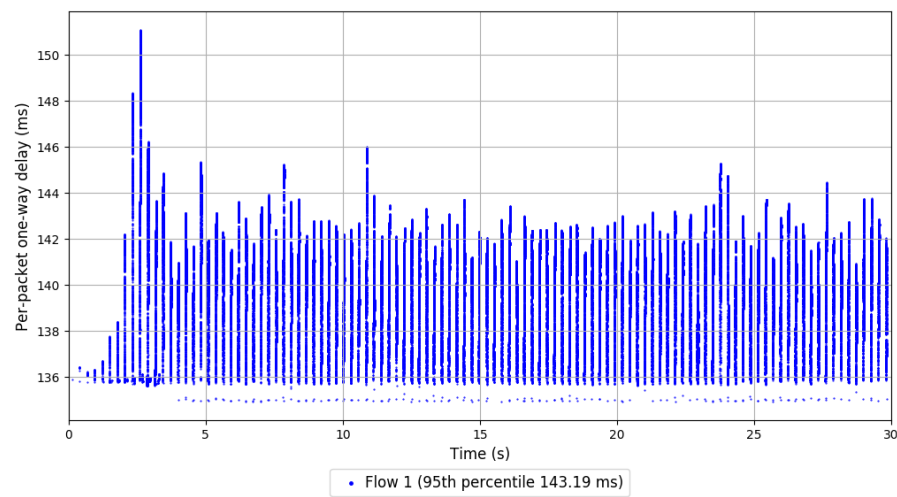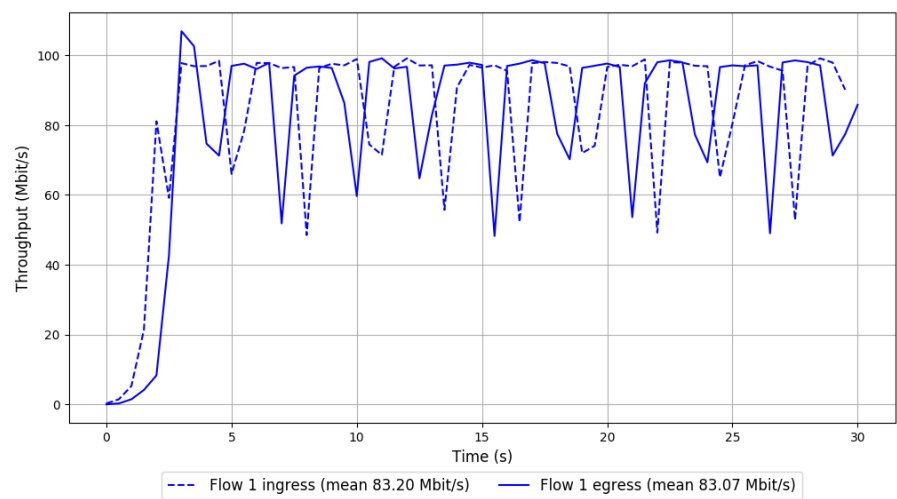
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2018-08-02 15:59:20
End at: 2018-08-02 15:59:50
Local clock offset: 0.267 ms
Remote clock offset: 0.089 ms


# Below is generated by plot.py at 2018-08-02 19:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 145.154 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 145.154 ms
Loss rate: 0.77%
```
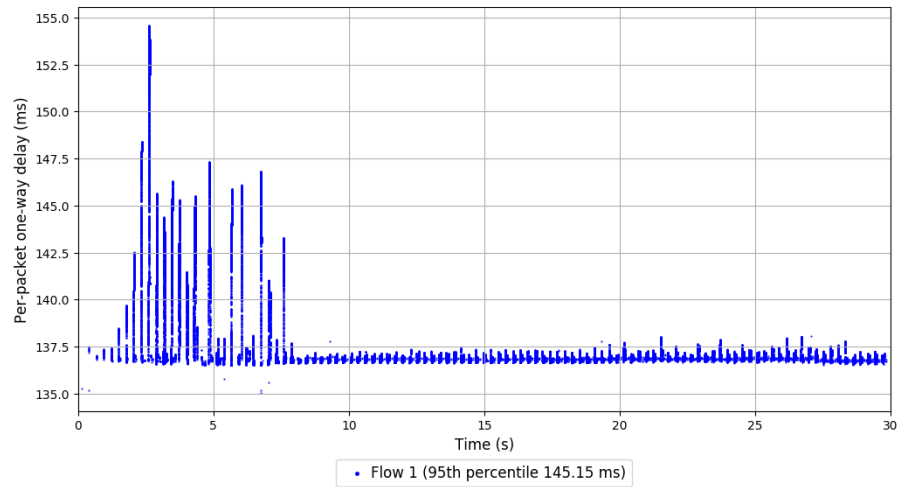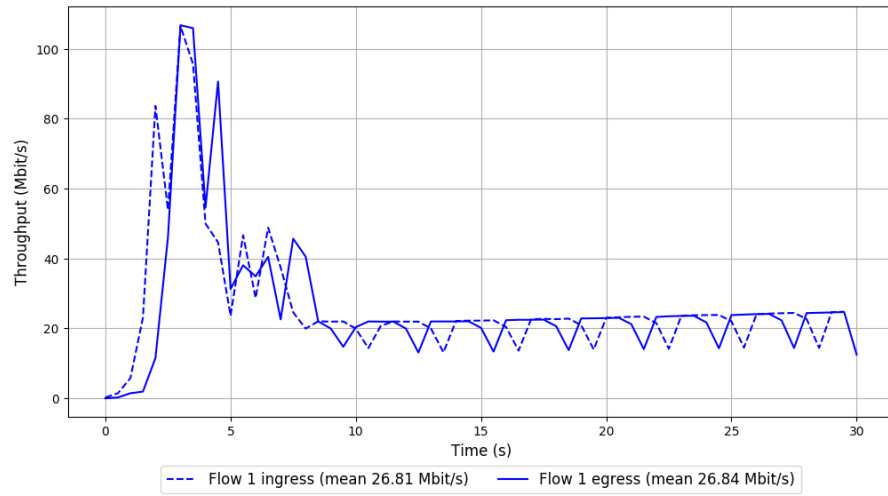
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 26.81 Mbit/s)   Flow 1 egress (mean 26.84 Mbit/s)

Flow 1 (95th percentile 145.15 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-08-02 16:22:31
End at: 2018-08-02 16:23:01
Local clock offset: 0.197 ms
Remote clock offset: 0.407 ms


# Below is generated by plot.py at 2018-08-02 19:49:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 137.797 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 137.797 ms
Loss rate: 0.95%
```
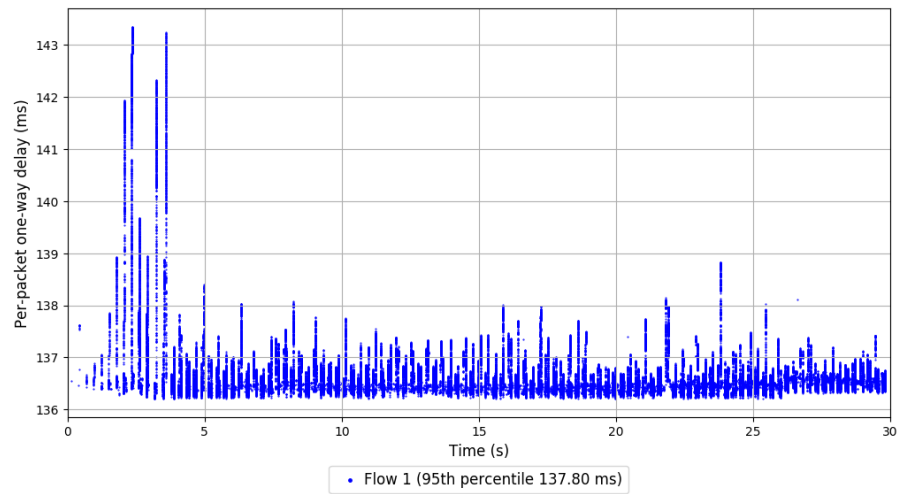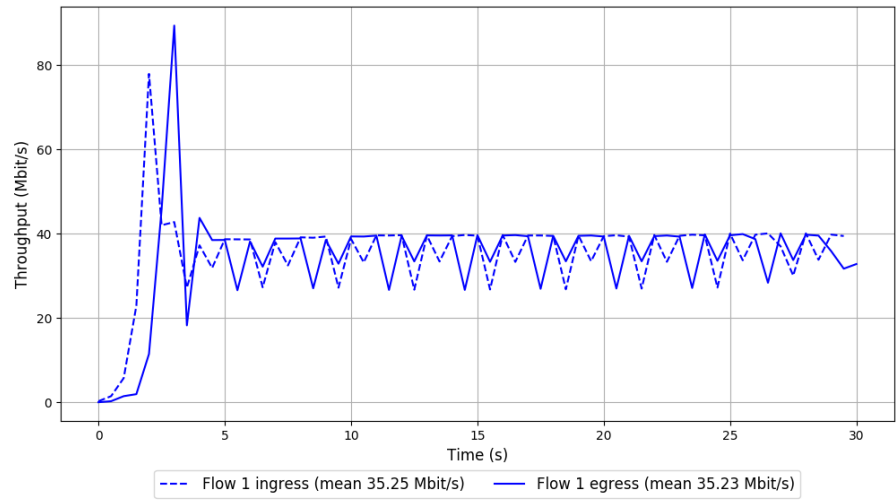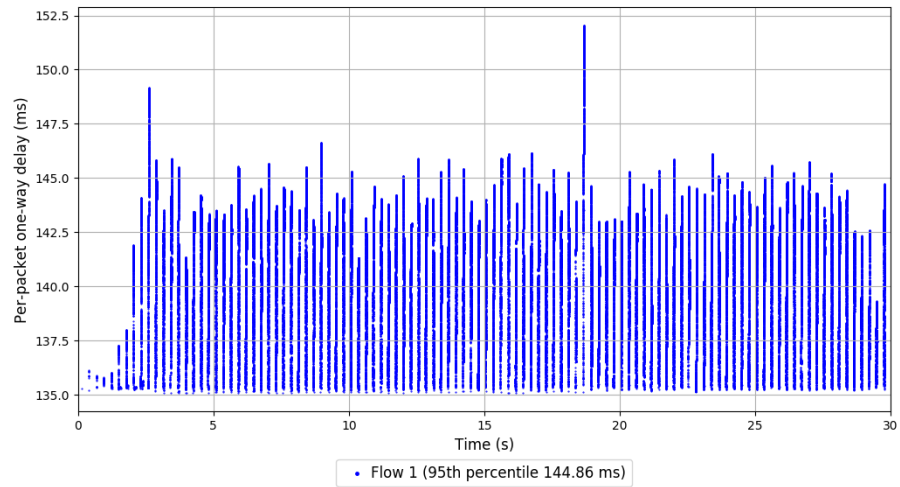
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 35.25 Mbit/s) ----   Flow 1 egress (mean 35.23 Mbit/s) ——

Flow 1 (95th percentile 137.80 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2018-08-02 16:45:39
End at: 2018-08-02 16:46:09
Local clock offset: -0.123 ms
Remote clock offset: 0.407 ms


# Below is generated by plot.py at 2018-08-02 19:49:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 144.864 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 144.864 ms
Loss rate: 1.00%
```
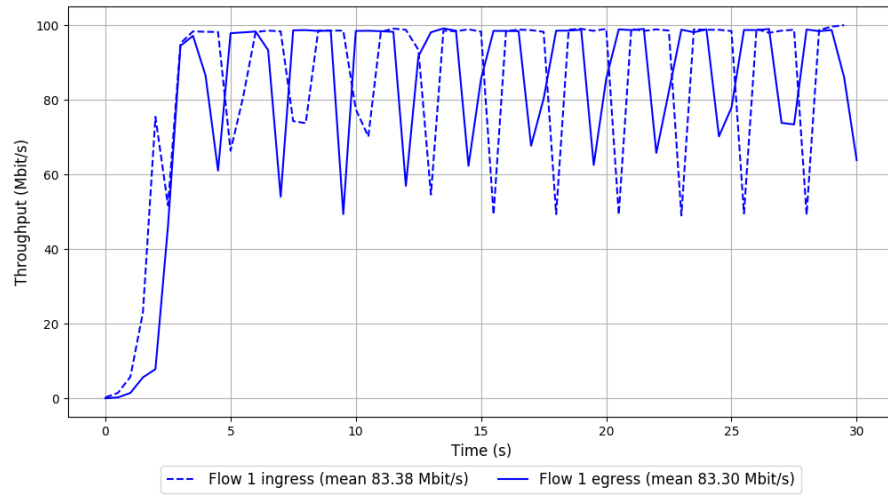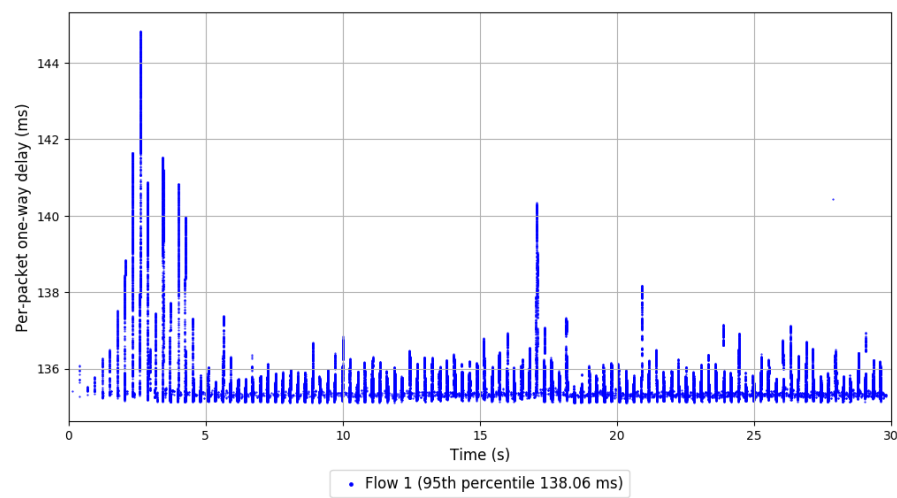
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 83.38 Mbit/s) --- Flow 1 egress (mean 83.30 Mbit/s)

Flow 1 (95th percentile 144.86 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-08-02 17:08:50
End at: 2018-08-02 17:09:20
Local clock offset: -0.078 ms
Remote clock offset: 0.395 ms


# Below is generated by plot.py at 2018-08-02 19:49:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 138.064 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 138.064 ms
Loss rate: 0.95%
```
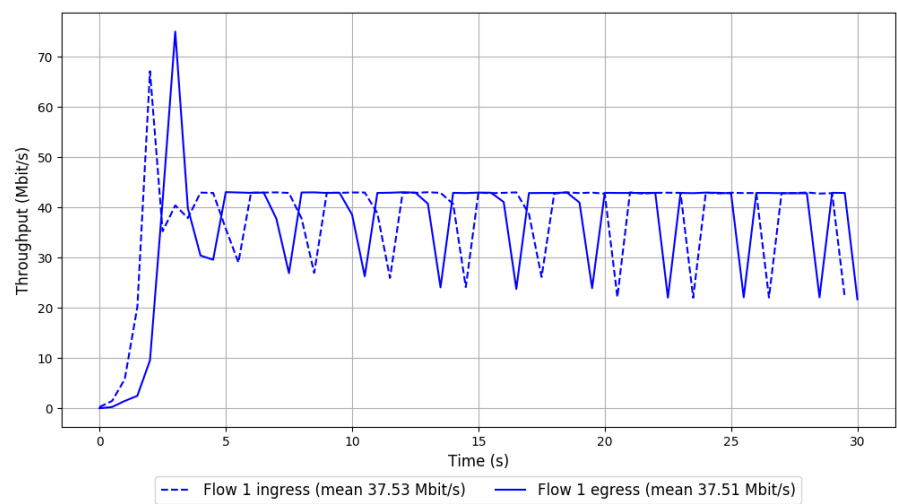
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 37.53 Mbit/s) --- Flow 1 egress (mean 37.51 Mbit/s)

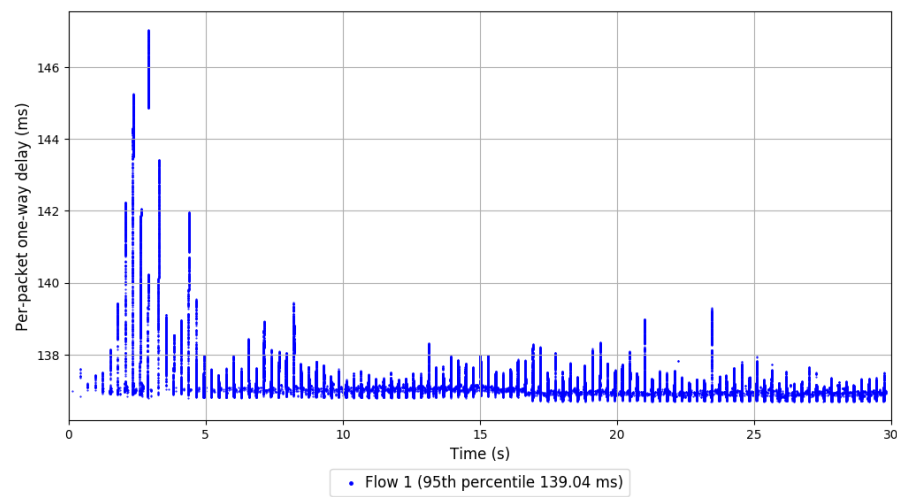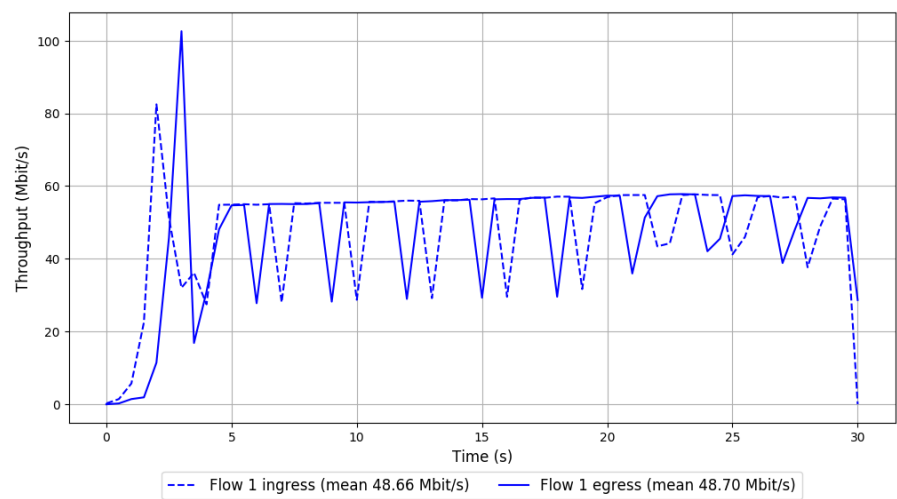

• Flow 1 (95th percentile 138.06 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-08-02 17:32:11
End at: 2018-08-02 17:32:41
Local clock offset: -0.06 ms
Remote clock offset: -0.297 ms


# Below is generated by plot.py at 2018-08-02 19:49:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 139.039 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 139.039 ms
Loss rate: 0.97%
```

Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2018-08-02 17:55:31
End at: 2018-08-02 17:56:01
Local clock offset: 0.051 ms
Remote clock offset: 0.425 ms


# Below is generated by plot.py at 2018-08-02 19:49:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 138.216 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 138.216 ms
Loss rate: 0.99%
```
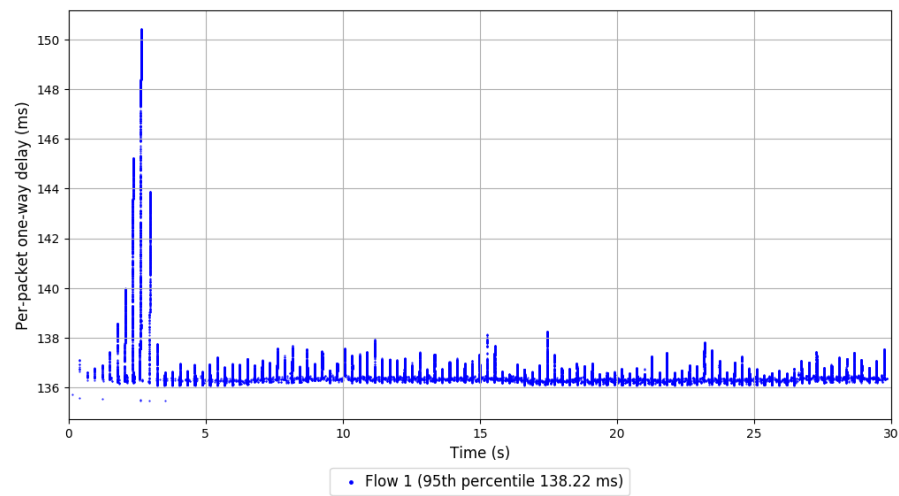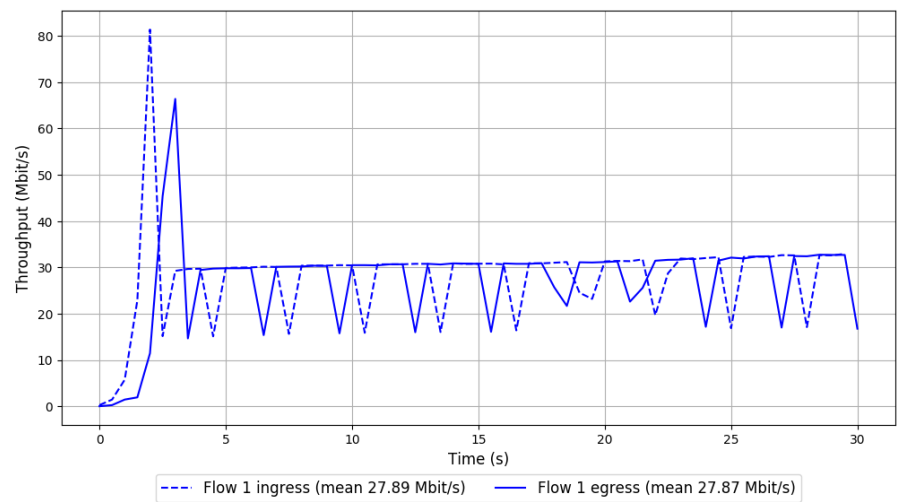
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2018-08-02 14:37:52
End at: 2018-08-02 14:38:22
Local clock offset: -0.264 ms
Remote clock offset: 0.484 ms


# Below is generated by plot.py at 2018-08-02 19:52:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.49 Mbit/s
95th percentile per-packet one-way delay: 208.181 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 223.49 Mbit/s
95th percentile per-packet one-way delay: 208.181 ms
Loss rate: 2.62%
```
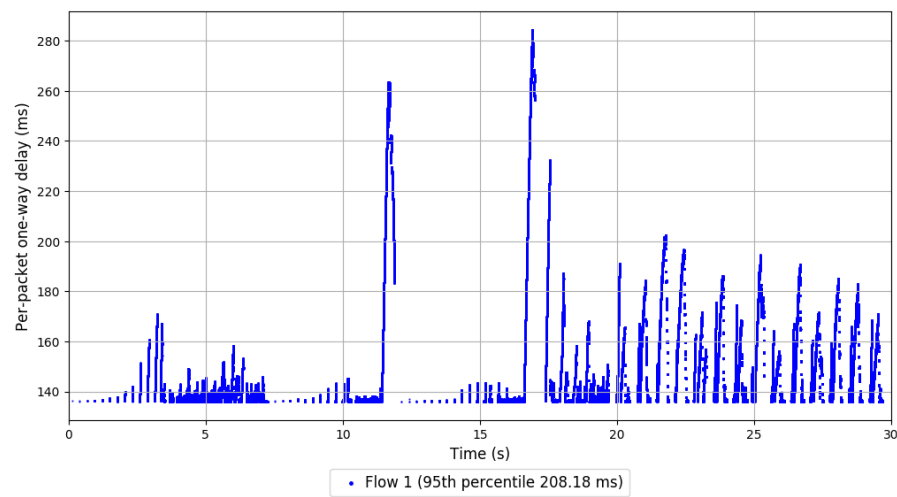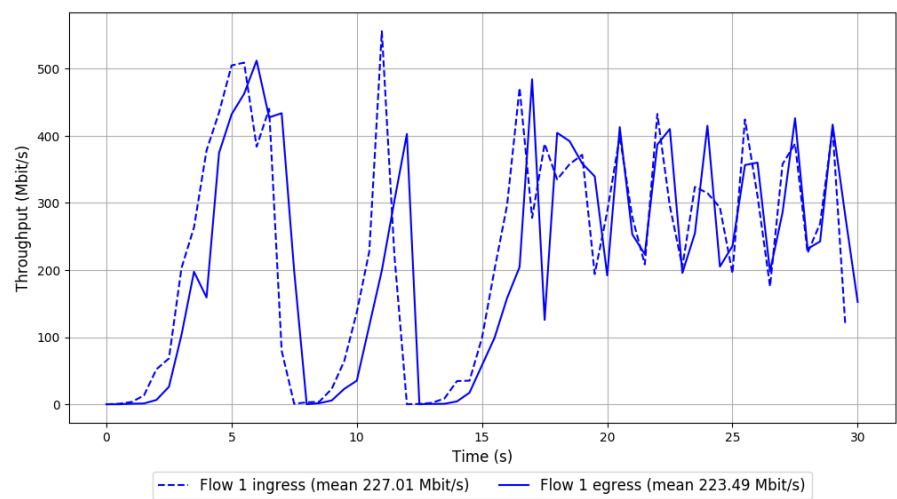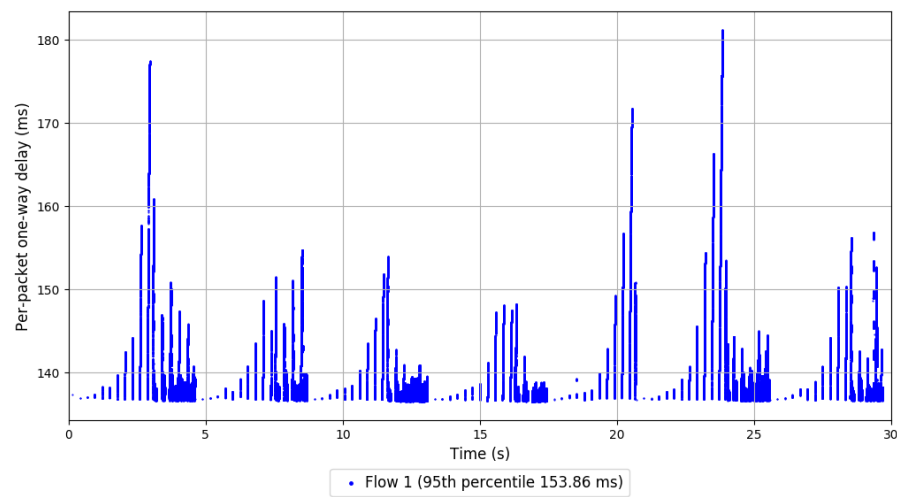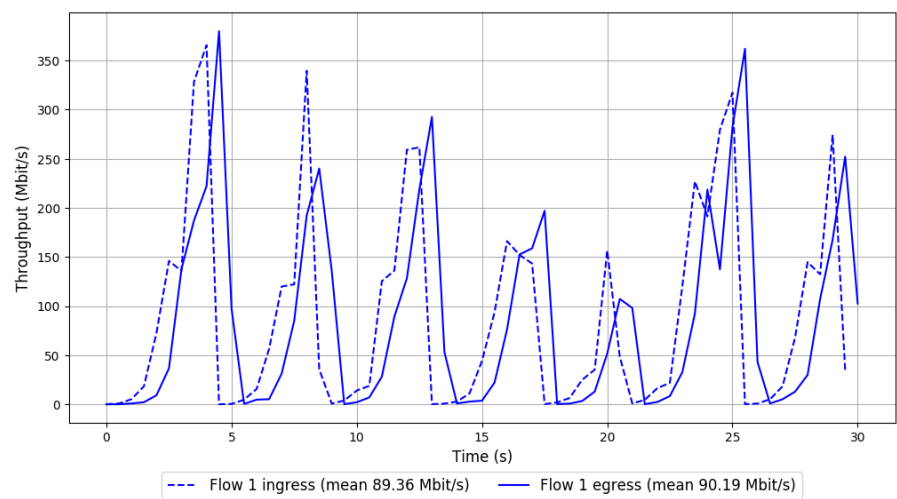
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-08-02 15:00:58
End at: 2018-08-02 15:01:28
Local clock offset: -0.346 ms
Remote clock offset: 0.261 ms


# Below is generated by plot.py at 2018-08-02 19:52:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.19 Mbit/s
95th percentile per-packet one-way delay: 153.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.19 Mbit/s
95th percentile per-packet one-way delay: 153.862 ms
Loss rate: 0.00%
```

Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-08-02 15:24:14
End at: 2018-08-02 15:24:44
Local clock offset: -0.282 ms
Remote clock offset: 0.384 ms


# Below is generated by plot.py at 2018-08-02 19:52:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.21 Mbit/s
95th percentile per-packet one-way delay: 169.250 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 202.21 Mbit/s
95th percentile per-packet one-way delay: 169.250 ms
Loss rate: 1.67%
```
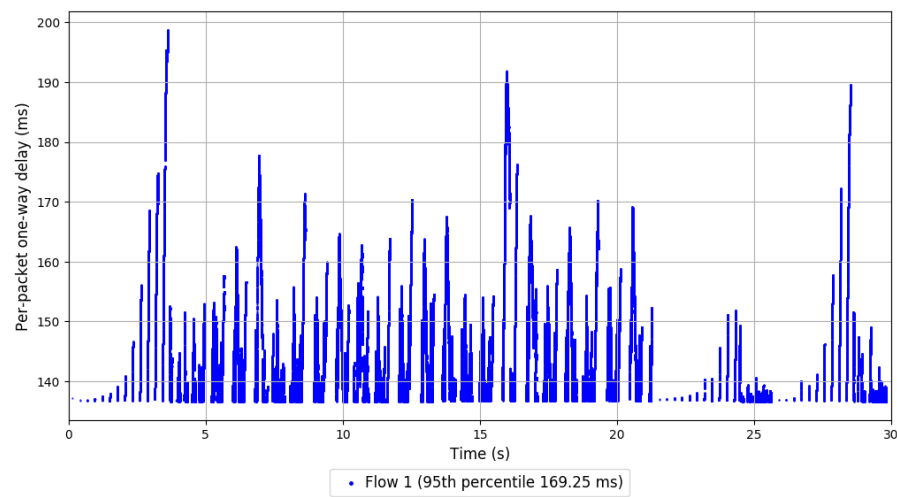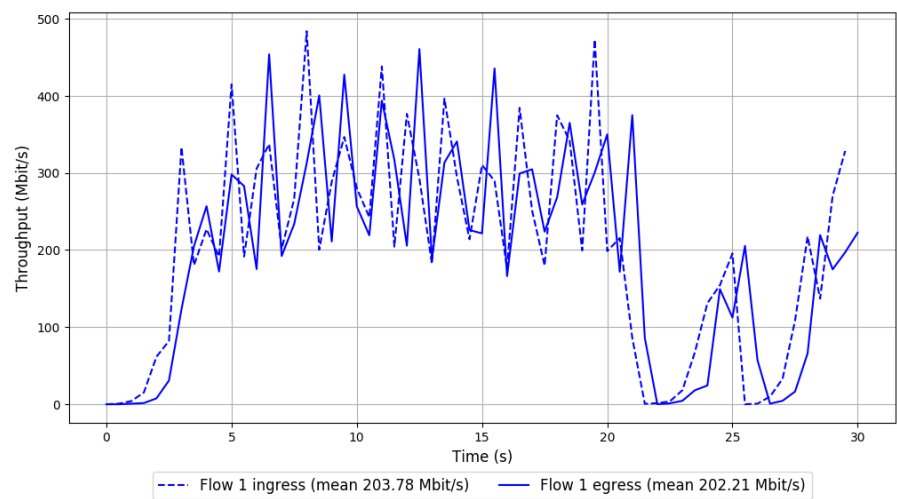
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 203.78 Mbit/s) —— Flow 1 egress (mean 202.21 Mbit/s)

• Flow 1 (95th percentile 169.25 ms)

```
Run 4: Statistics of Verus

Start at: 2018-08-02 15:47:44
End at: 2018-08-02 15:48:14
Local clock offset: 0.184 ms
Remote clock offset: 0.095 ms


# Below is generated by plot.py at 2018-08-02 19:52:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.96 Mbit/s
95th percentile per-packet one-way delay: 175.012 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 241.96 Mbit/s
95th percentile per-packet one-way delay: 175.012 ms
Loss rate: 1.23%
```
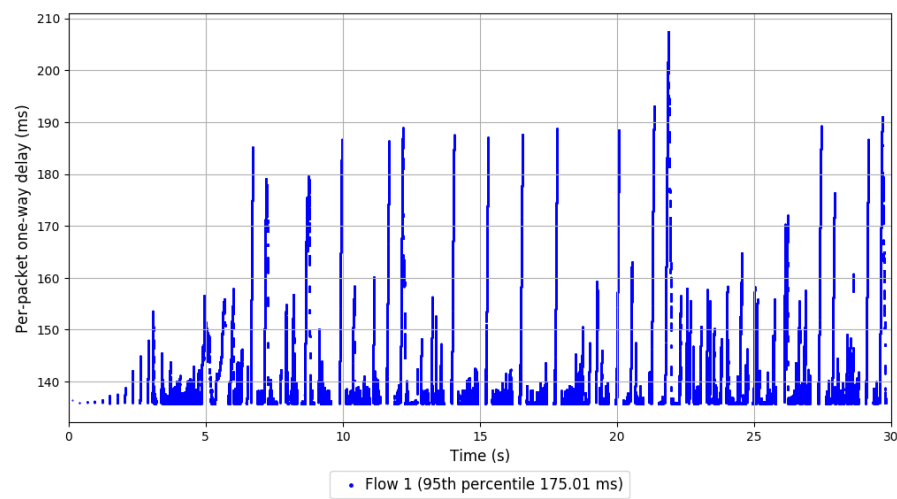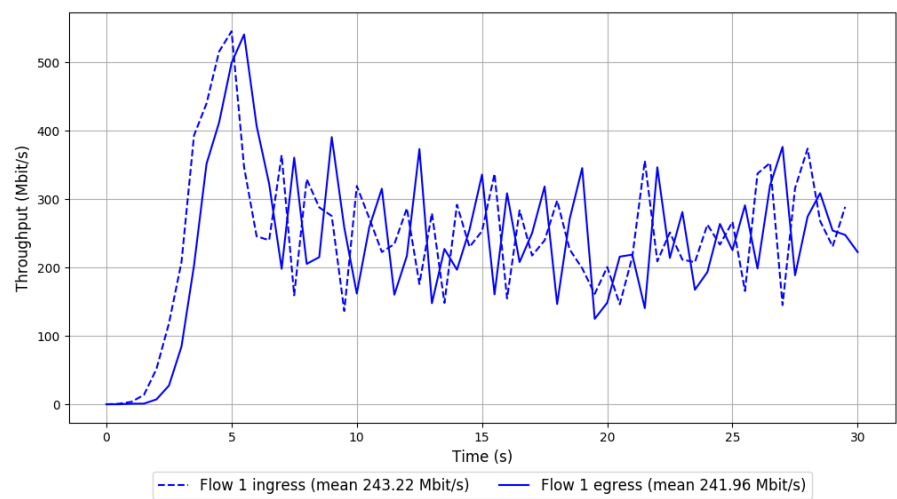
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-08-02 16:11:00
End at: 2018-08-02 16:11:30
Local clock offset: 0.044 ms
Remote clock offset: 0.052 ms


# Below is generated by plot.py at 2018-08-02 19:52:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.30 Mbit/s
95th percentile per-packet one-way delay: 215.493 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 202.30 Mbit/s
95th percentile per-packet one-way delay: 215.493 ms
Loss rate: 1.94%
```
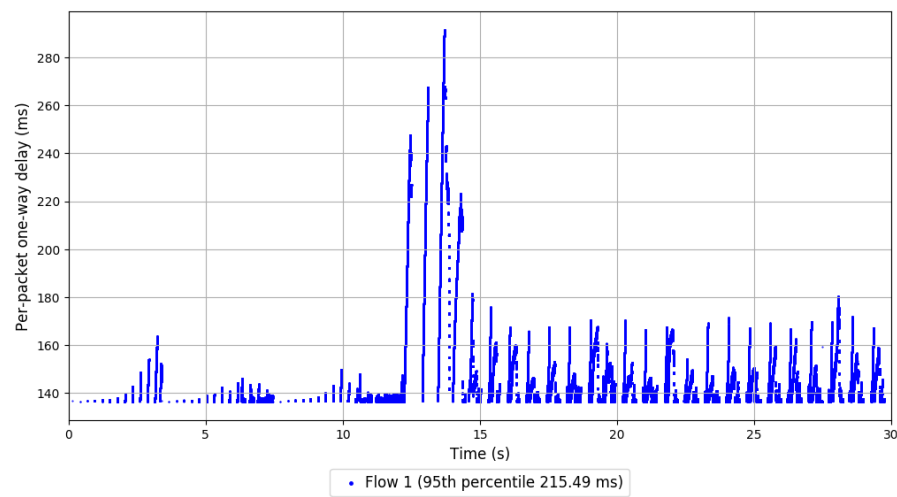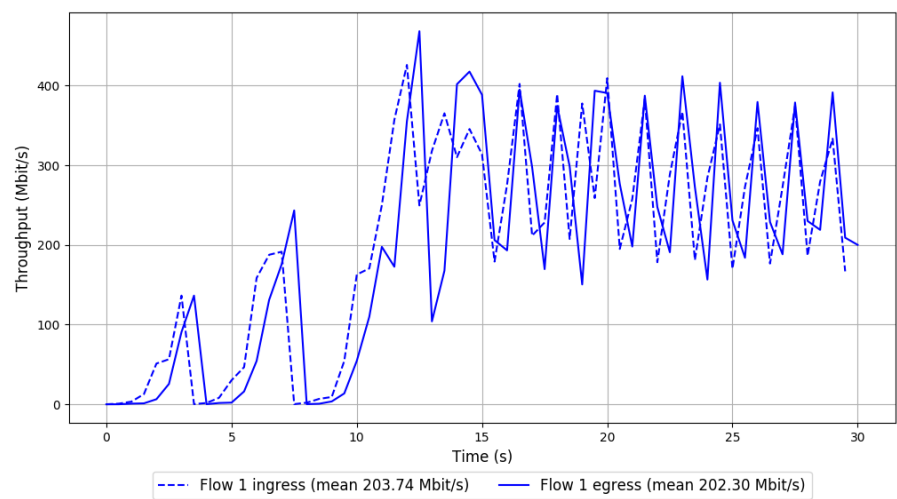
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2018-08-02 16:34:11
End at: 2018-08-02 16:34:41
Local clock offset: 0.178 ms
Remote clock offset: -0.32 ms


# Below is generated by plot.py at 2018-08-02 19:52:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 169.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 169.815 ms
Loss rate: 0.00%
```
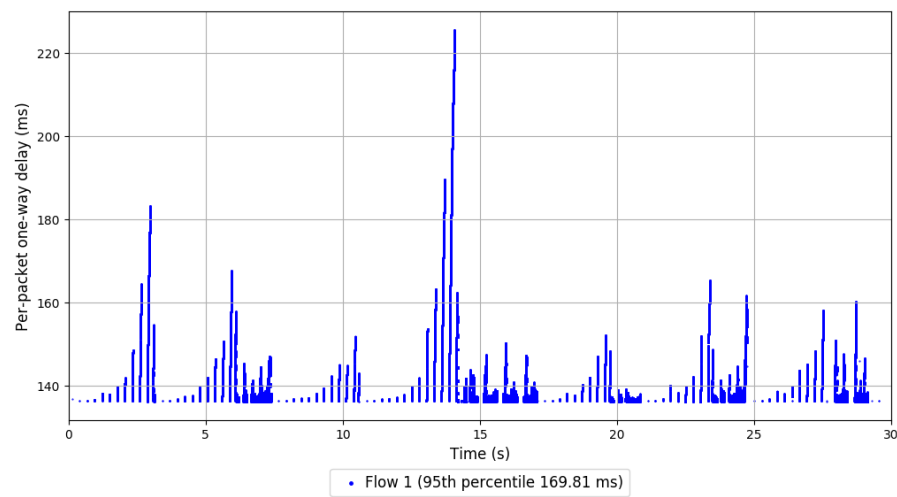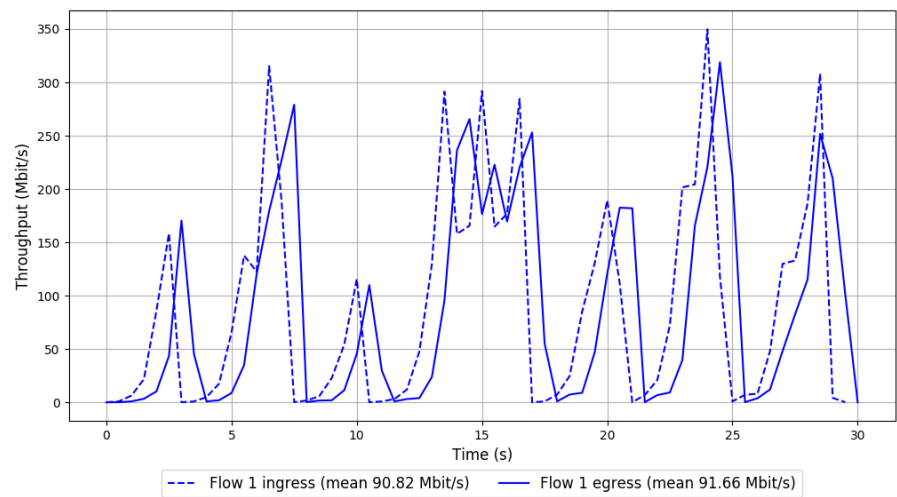
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-08-02 16:57:21
End at: 2018-08-02 16:57:51
Local clock offset: 0.033 ms
Remote clock offset: 0.063 ms


# Below is generated by plot.py at 2018-08-02 19:52:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.30 Mbit/s
95th percentile per-packet one-way delay: 187.868 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 170.30 Mbit/s
95th percentile per-packet one-way delay: 187.868 ms
Loss rate: 2.03%
```
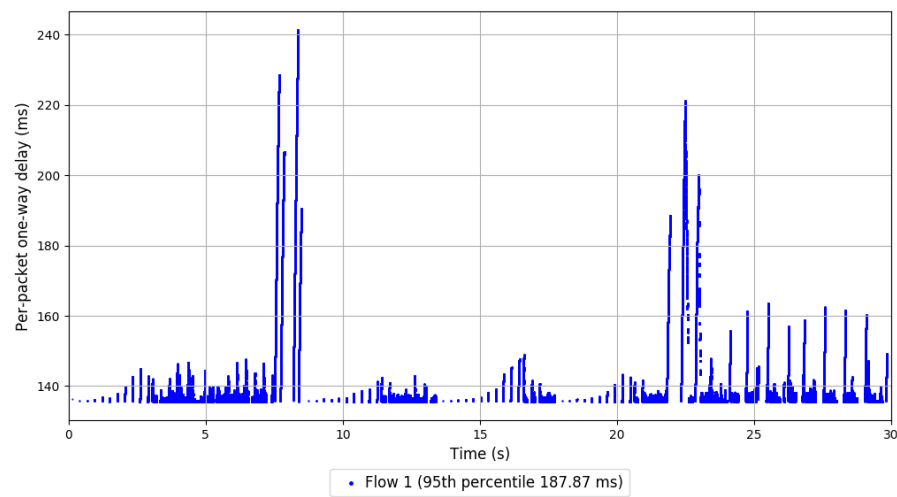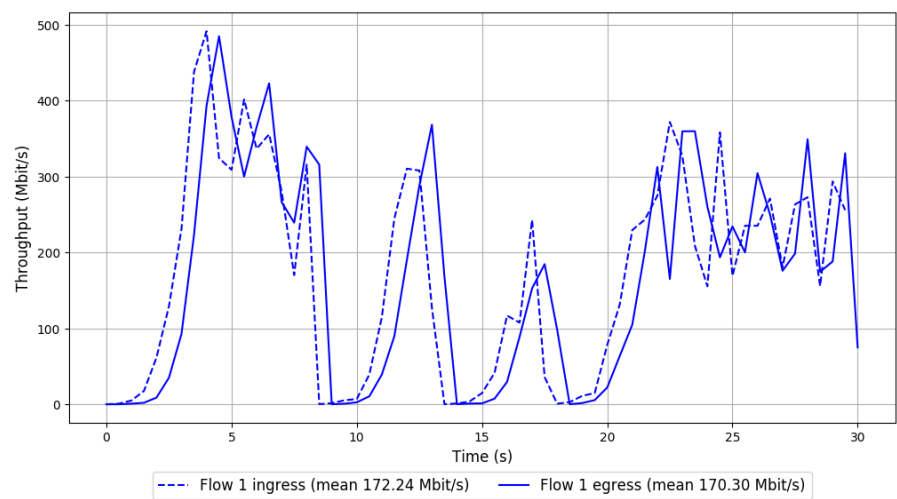
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-08-02 17:20:53
End at: 2018-08-02 17:21:23
Local clock offset: 0.001 ms
Remote clock offset: 0.08 ms


# Below is generated by plot.py at 2018-08-02 19:52:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.86 Mbit/s
95th percentile per-packet one-way delay: 183.229 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 194.86 Mbit/s
95th percentile per-packet one-way delay: 183.229 ms
Loss rate: 0.88%
```
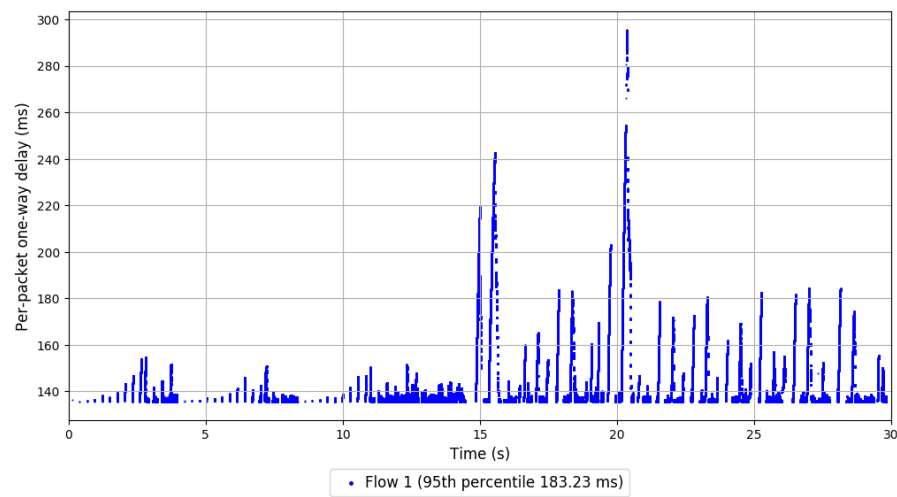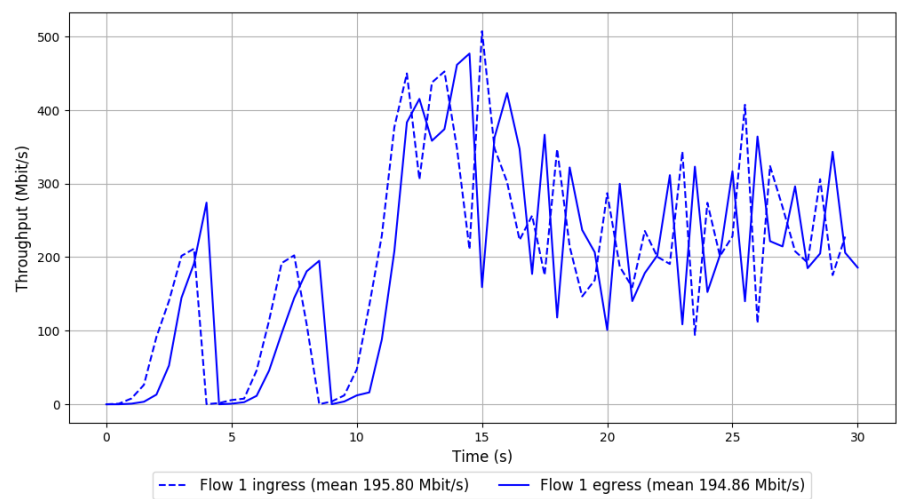
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2018-08-02 17:44:04
End at: 2018-08-02 17:44:34
Local clock offset: 0.206 ms
Remote clock offset: 0.062 ms


# Below is generated by plot.py at 2018-08-02 19:52:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.29 Mbit/s
95th percentile per-packet one-way delay: 153.228 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 110.29 Mbit/s
95th percentile per-packet one-way delay: 153.228 ms
Loss rate: 0.09%
```
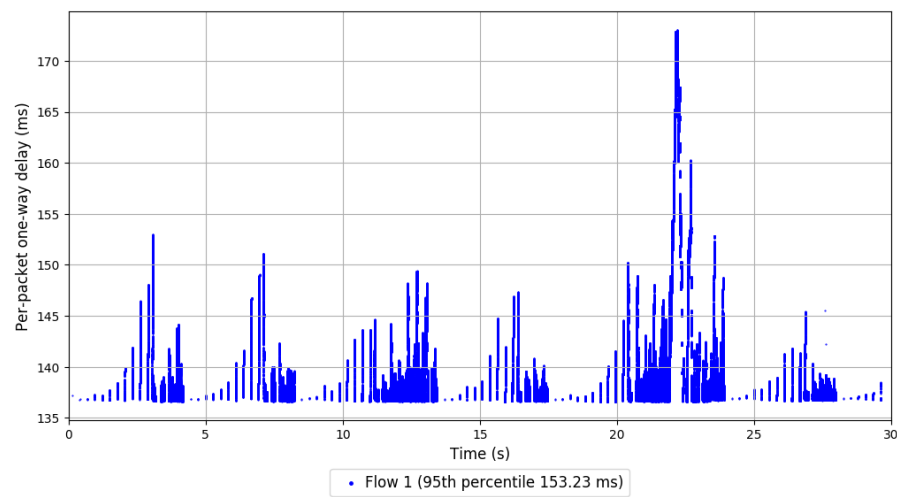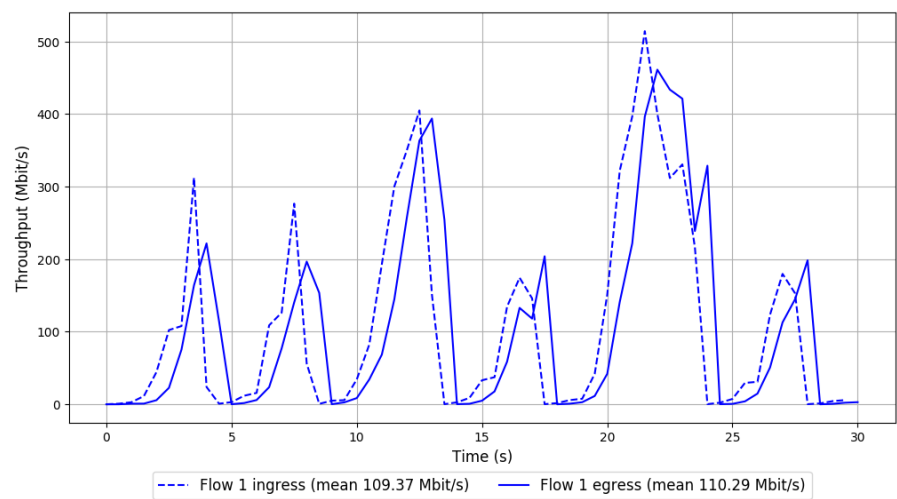
Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2018-08-02 18:07:09
End at: 2018-08-02 18:07:39
Local clock offset: 0.01 ms
Remote clock offset: 0.028 ms


# Below is generated by plot.py at 2018-08-02 19:52:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 144.935 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 144.935 ms
Loss rate: 1.92%
```
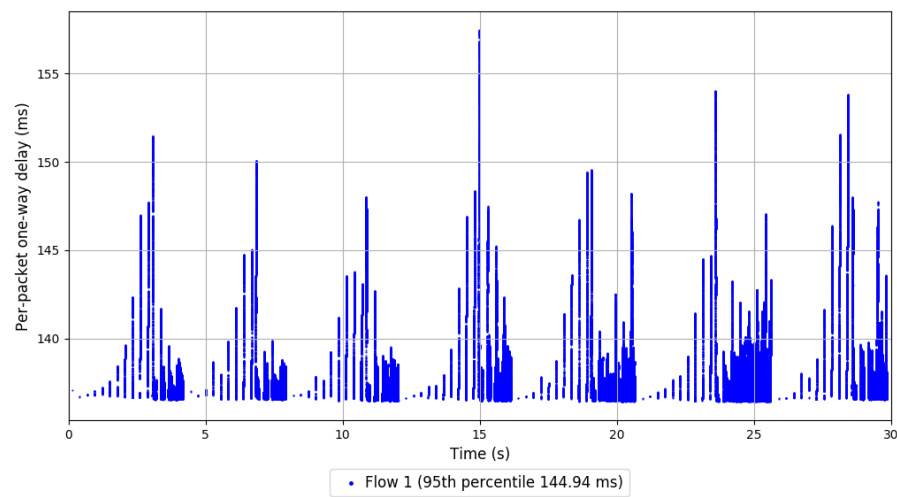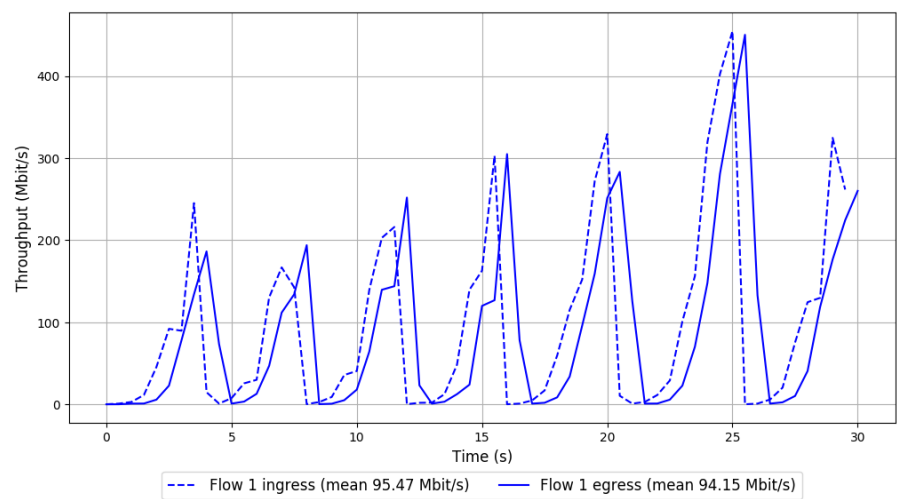
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of PCC-Vivace

Start at: 2018-08-02 14:31:13
End at: 2018-08-02 14:31:43
Local clock offset: -0.332 ms
Remote clock offset: 0.009 ms


# Below is generated by plot.py at 2018-08-02 19:56:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.77 Mbit/s
95th percentile per-packet one-way delay: 135.886 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 263.77 Mbit/s
95th percentile per-packet one-way delay: 135.886 ms
Loss rate: 0.91%
```
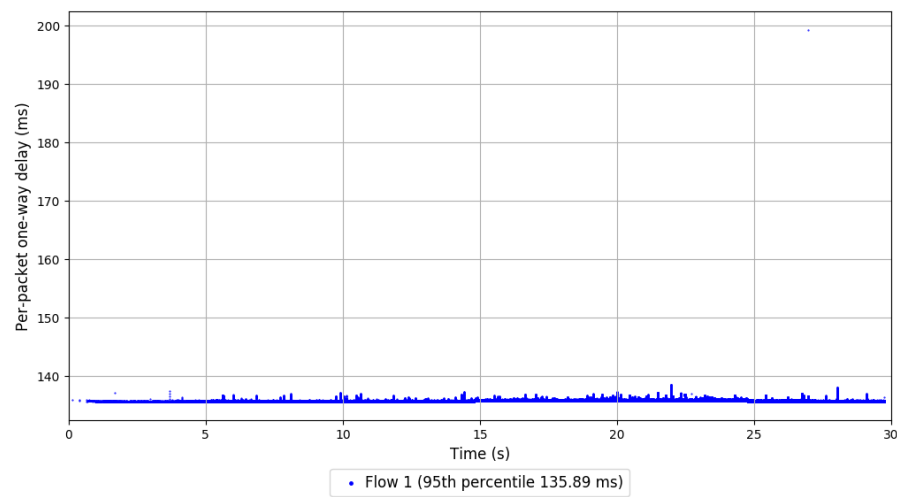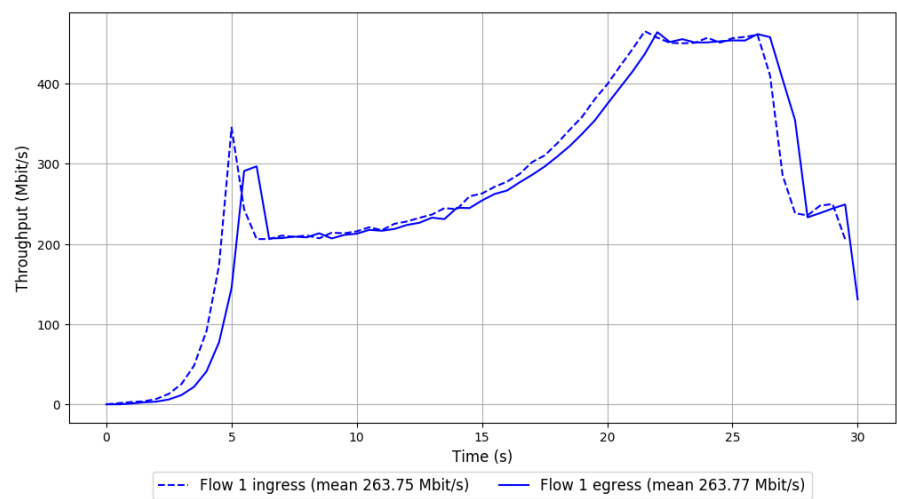
Run 1: Report of PCC-Vivace — Data Link

Throughput (Mbit/s) vs Time (s)

- - - - Flow 1 ingress (mean 263.75 Mbit/s) ——— Flow 1 egress (mean 263.77 Mbit/s)

Per-packet one-way delay (ms) vs Time (s)

• Flow 1 (95th percentile 135.89 ms)

```
Run 2: Statistics of PCC-Vivace

Start at: 2018-08-02 14:54:10
End at: 2018-08-02 14:54:40
Local clock offset: -0.352 ms
Remote clock offset: 0.233 ms


# Below is generated by plot.py at 2018-08-02 19:57:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.79 Mbit/s
95th percentile per-packet one-way delay: 237.470 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 366.79 Mbit/s
95th percentile per-packet one-way delay: 237.470 ms
Loss rate: 1.04%
```
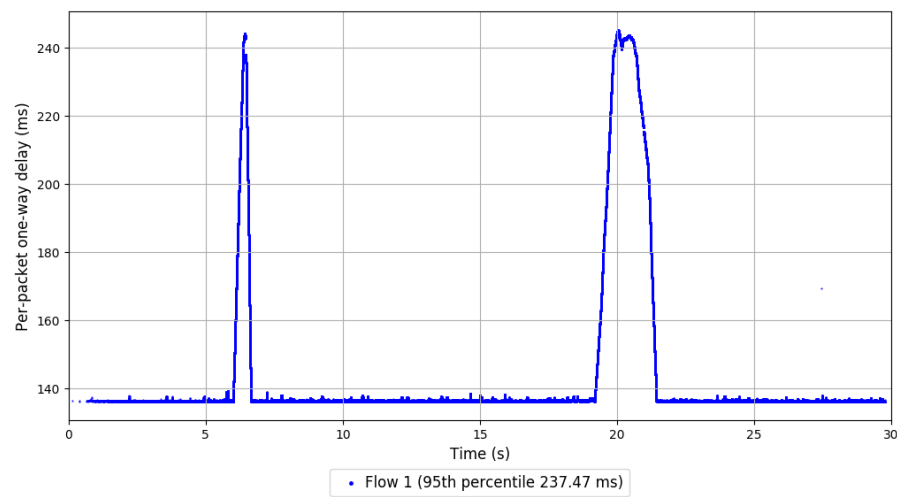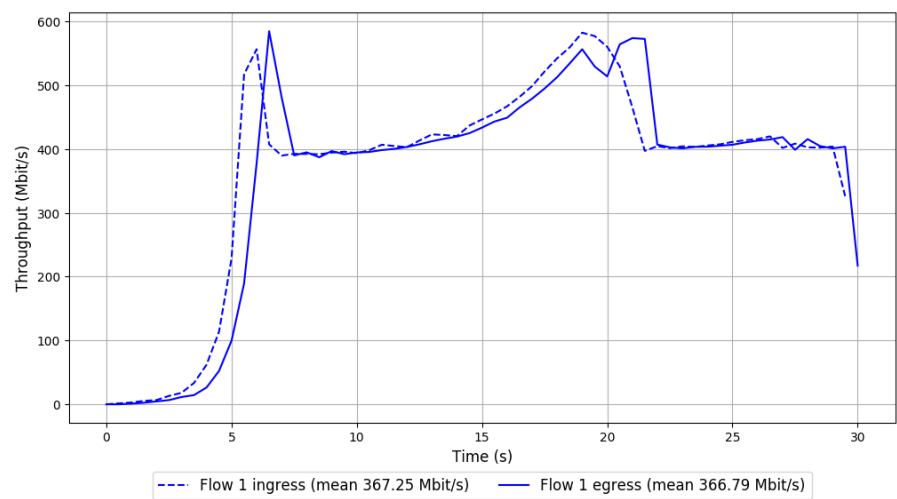
Run 2: Report of PCC-Vivace — Data Link

```
Run 3: Statistics of PCC-Vivace

Start at: 2018-08-02 15:17:20
End at: 2018-08-02 15:17:50
Local clock offset: -0.454 ms
Remote clock offset: 0.76 ms


# Below is generated by plot.py at 2018-08-02 19:57:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 359.47 Mbit/s
95th percentile per-packet one-way delay: 139.681 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 359.47 Mbit/s
95th percentile per-packet one-way delay: 139.681 ms
Loss rate: 1.23%
```
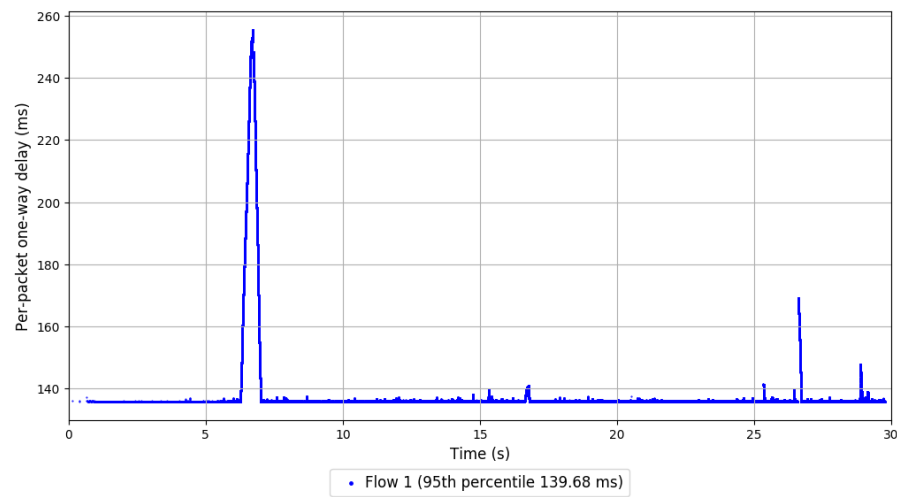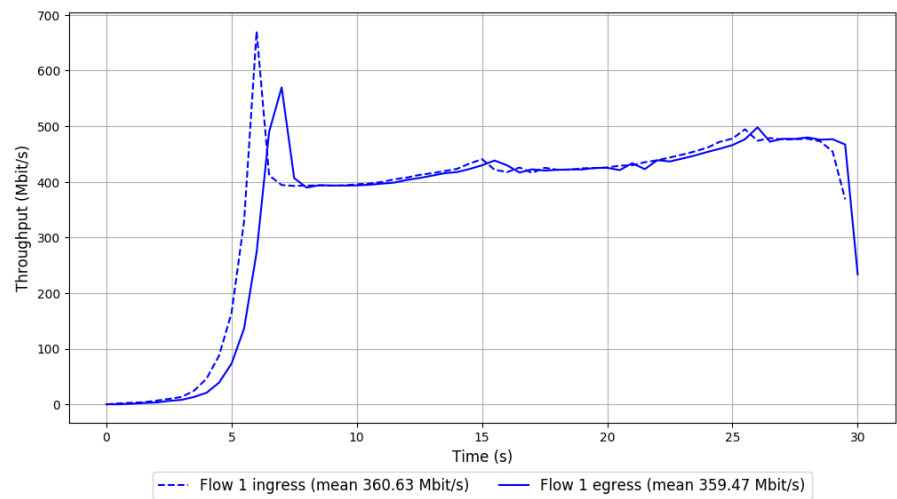
Run 3: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 360.63 Mbit/s) --- Flow 1 egress (mean 359.47 Mbit/s)

Flow 1 (95th percentile 139.68 ms)

```
Run 4: Statistics of PCC-Vivace

Start at: 2018-08-02 15:40:46
End at: 2018-08-02 15:41:16
Local clock offset: -0.007 ms
Remote clock offset: 0.143 ms


# Below is generated by plot.py at 2018-08-02 19:57:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.84 Mbit/s
95th percentile per-packet one-way delay: 135.526 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 360.84 Mbit/s
95th percentile per-packet one-way delay: 135.526 ms
Loss rate: 1.08%
```
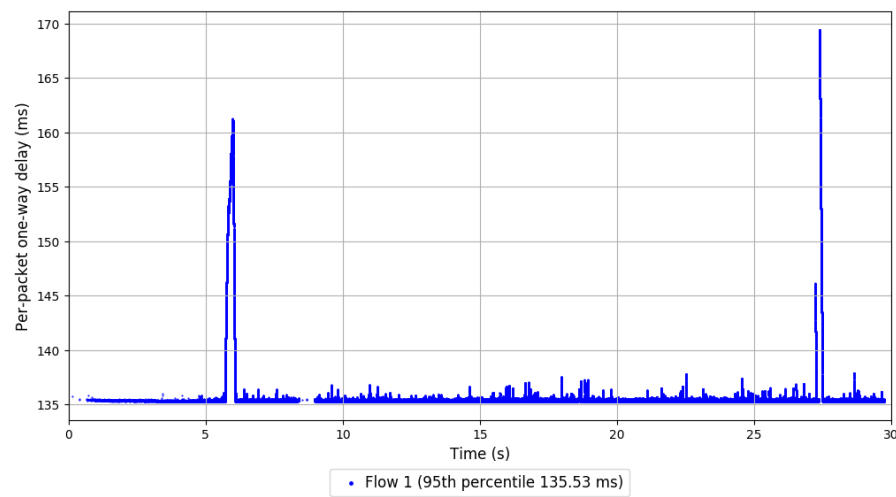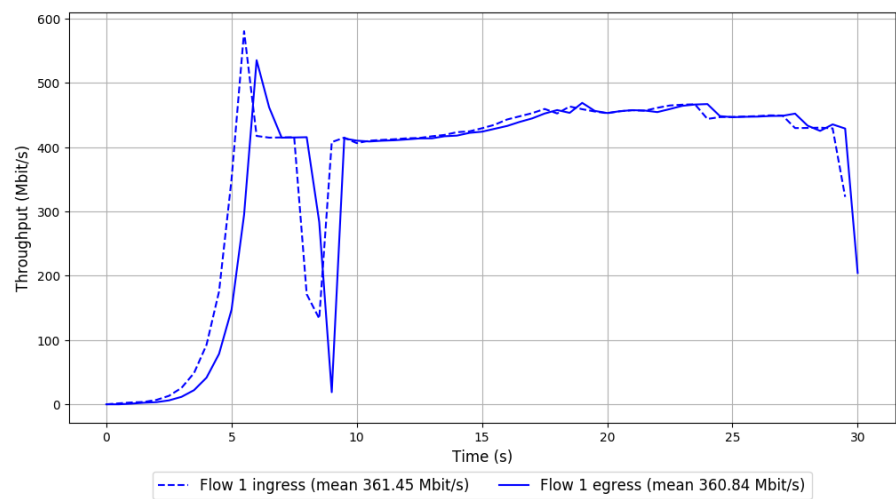
Run 4: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 361.45 Mbit/s)   Flow 1 egress (mean 360.84 Mbit/s)

Flow 1 (95th percentile 135.53 ms)

```
Run 5: Statistics of PCC-Vivace

Start at: 2018-08-02 16:04:00
End at: 2018-08-02 16:04:30
Local clock offset: 0.166 ms
Remote clock offset: 0.046 ms


# Below is generated by plot.py at 2018-08-02 19:58:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 378.17 Mbit/s
95th percentile per-packet one-way delay: 140.349 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 378.17 Mbit/s
95th percentile per-packet one-way delay: 140.349 ms
Loss rate: 1.25%
```
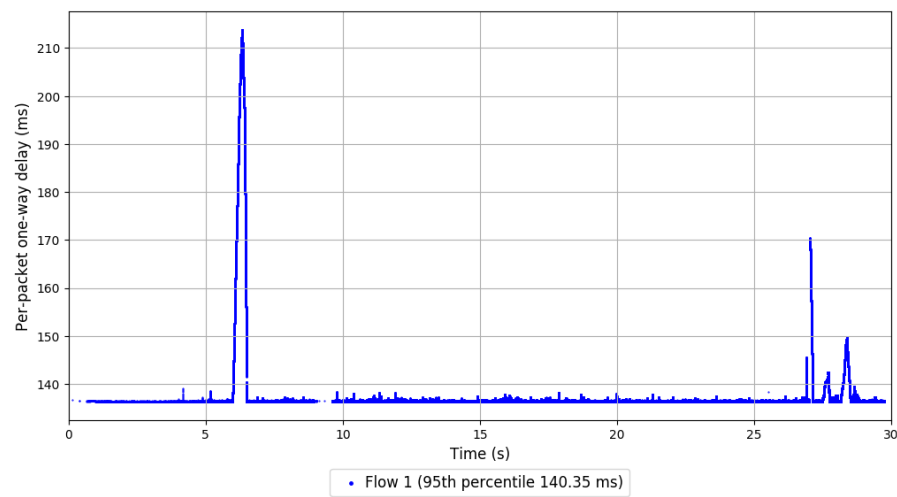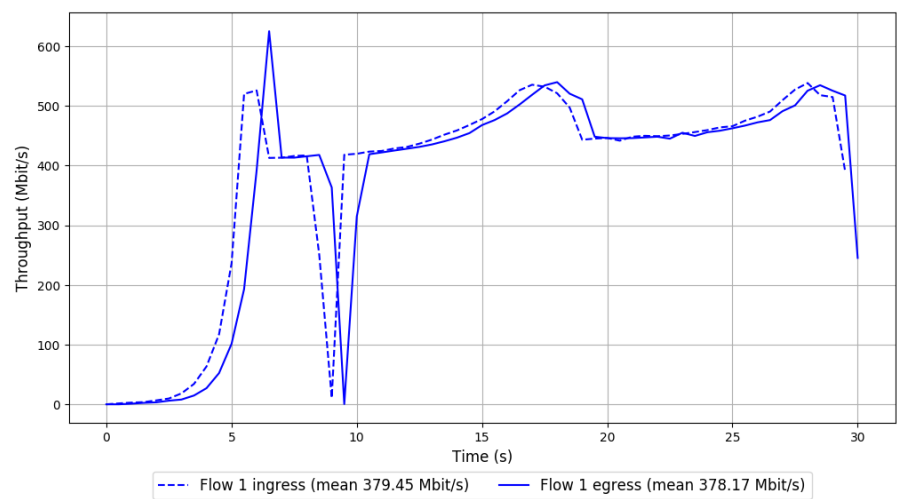
Run 5: Report of PCC-Vivace — Data Link

```
Run 6: Statistics of PCC-Vivace

Start at: 2018-08-02 16:27:12
End at: 2018-08-02 16:27:42
Local clock offset: -0.142 ms
Remote clock offset: 0.021 ms


# Below is generated by plot.py at 2018-08-02 19:58:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.11 Mbit/s
95th percentile per-packet one-way delay: 137.130 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 367.11 Mbit/s
95th percentile per-packet one-way delay: 137.130 ms
Loss rate: 1.18%
```
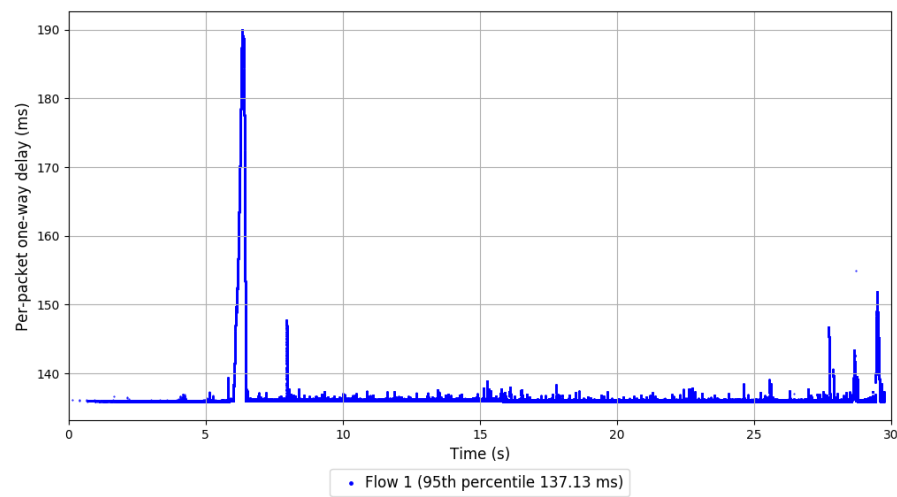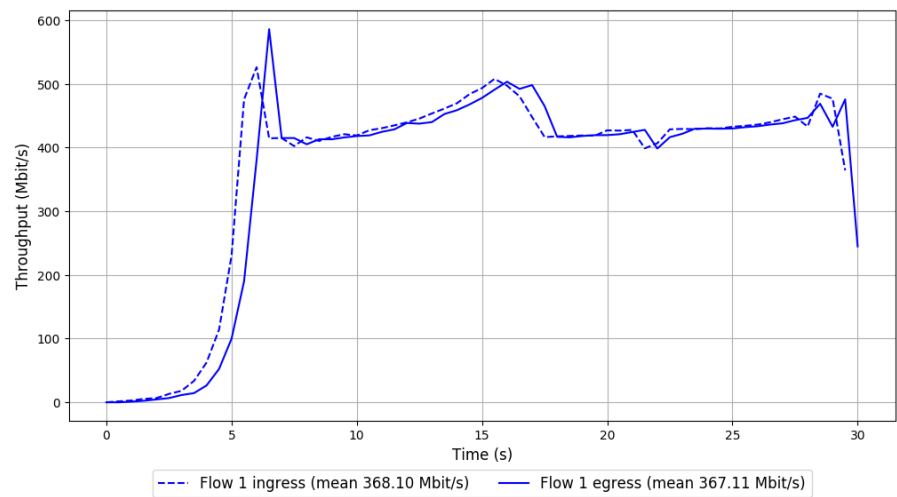
Run 6: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 368.10 Mbit/s)   Flow 1 egress (mean 367.11 Mbit/s)

Flow 1 (95th percentile 137.13 ms)

```
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-02 16:50:34
End at: 2018-08-02 16:51:04
Local clock offset: 0.028 ms
Remote clock offset: 0.405 ms


# Below is generated by plot.py at 2018-08-02 19:58:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 344.85 Mbit/s
95th percentile per-packet one-way delay: 136.073 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 344.85 Mbit/s
95th percentile per-packet one-way delay: 136.073 ms
Loss rate: 1.20%
```
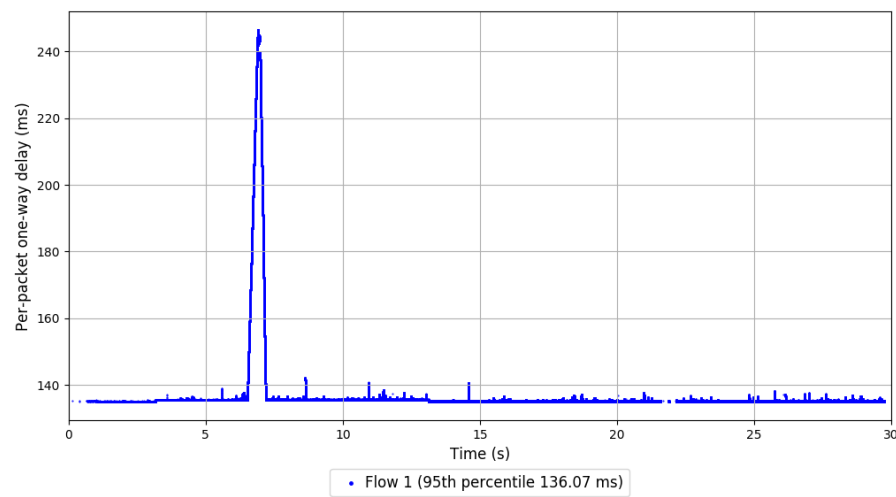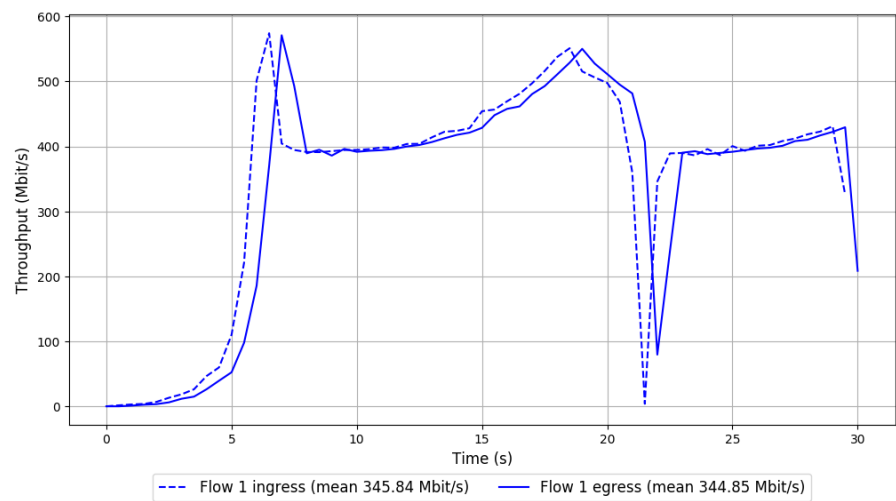
Run 7: Report of PCC-Vivace — Data Link

```
Run 8: Statistics of PCC-Vivace

Start at: 2018-08-02 17:13:44
End at: 2018-08-02 17:14:14
Local clock offset: 0.001 ms
Remote clock offset: -0.302 ms


# Below is generated by plot.py at 2018-08-02 19:58:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.23 Mbit/s
95th percentile per-packet one-way delay: 136.356 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 346.23 Mbit/s
95th percentile per-packet one-way delay: 136.356 ms
Loss rate: 1.20%
```
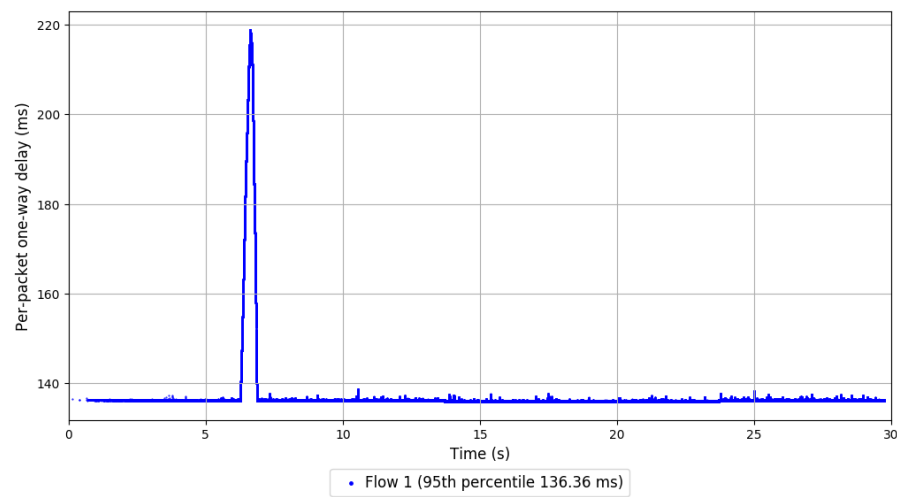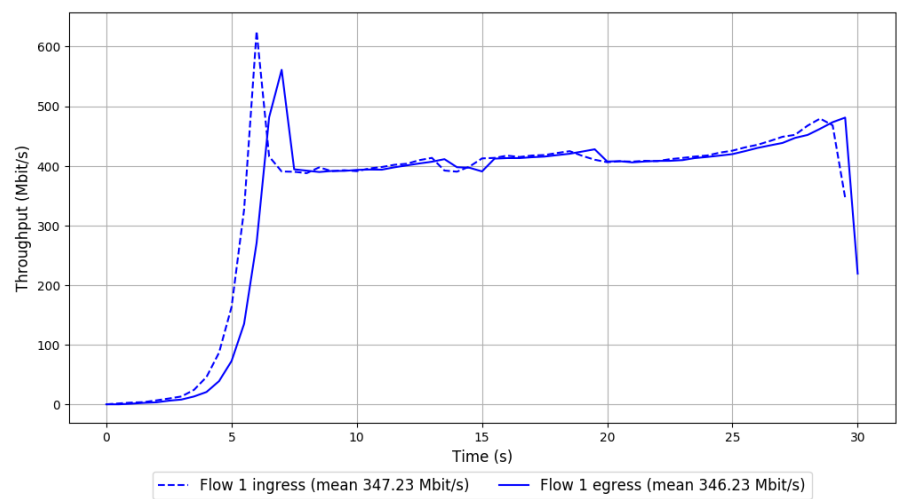
Run 8: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 347.23 Mbit/s) — — — Flow 1 egress (mean 346.23 Mbit/s)

• Flow 1 (95th percentile 136.36 ms)

```
Run 9: Statistics of PCC-Vivace

Start at: 2018-08-02 17:37:12
End at: 2018-08-02 17:37:42
Local clock offset: 0.088 ms
Remote clock offset: 0.051 ms


# Below is generated by plot.py at 2018-08-02 19:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 387.14 Mbit/s
95th percentile per-packet one-way delay: 183.410 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 387.14 Mbit/s
95th percentile per-packet one-way delay: 183.410 ms
Loss rate: 1.16%
```
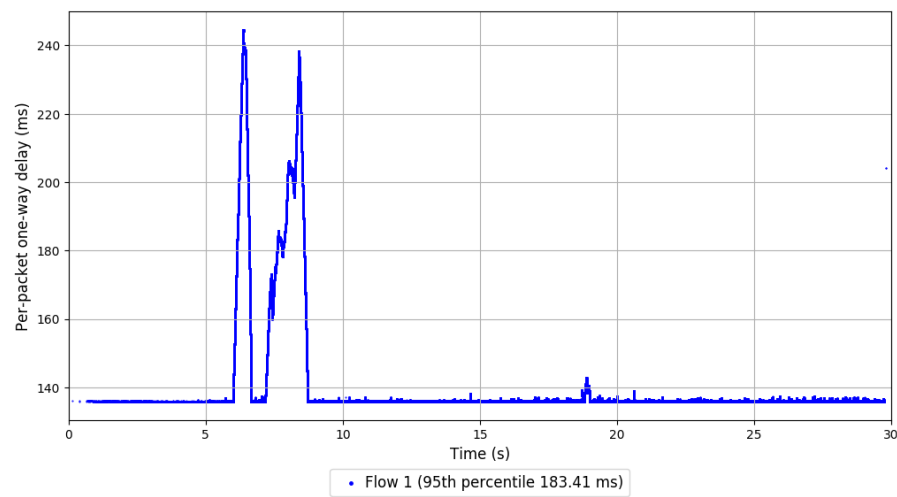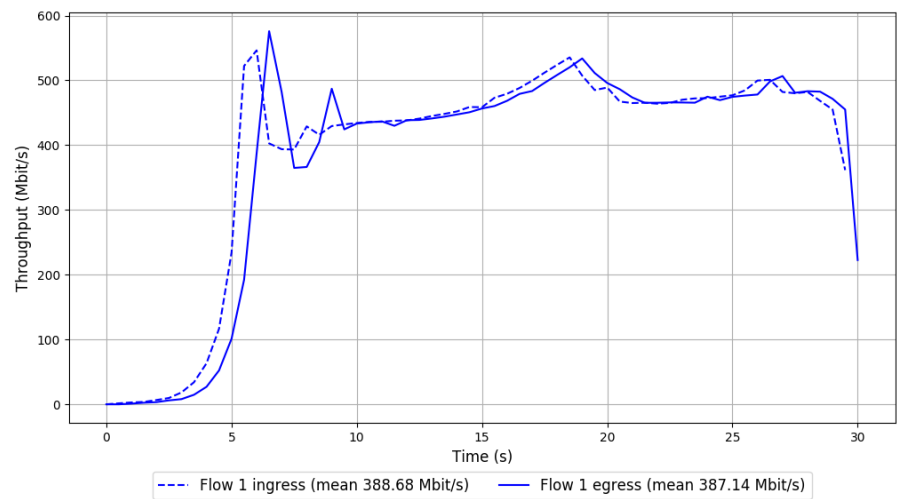
Run 9: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 388.68 Mbit/s) —— Flow 1 egress (mean 387.14 Mbit/s)

• Flow 1 (95th percentile 183.41 ms)

```
Run 10: Statistics of PCC-Vivace

Start at: 2018-08-02 18:00:11
End at: 2018-08-02 18:00:41
Local clock offset: 0.307 ms
Remote clock offset: 0.412 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.74 Mbit/s
95th percentile per-packet one-way delay: 138.563 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 346.74 Mbit/s
95th percentile per-packet one-way delay: 138.563 ms
Loss rate: 1.01%
```
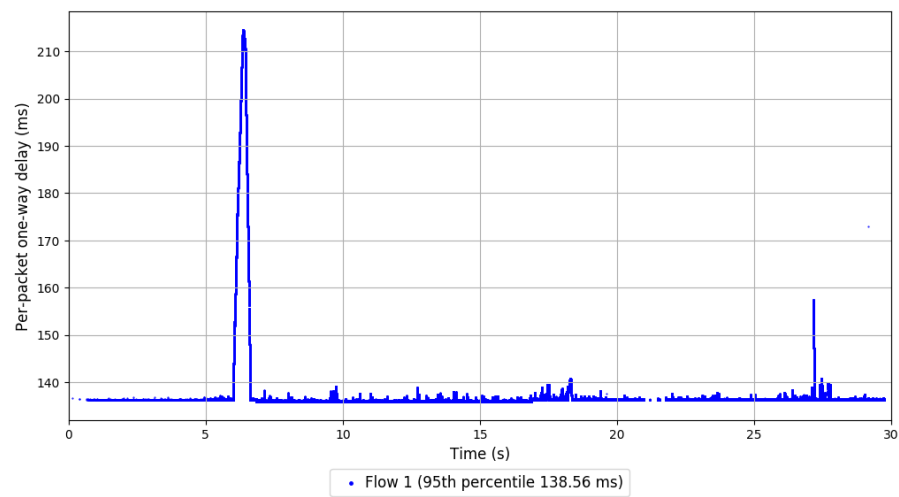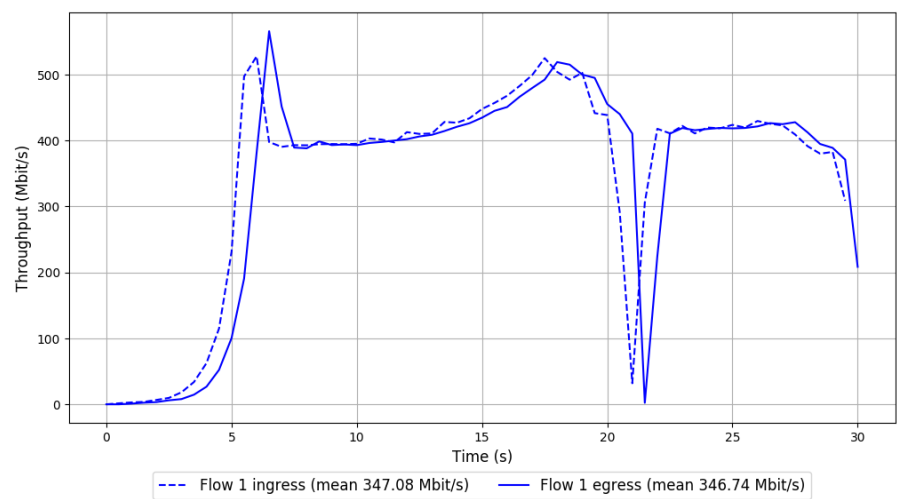
Run 10: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 347.08 Mbit/s) — Flow 1 egress (mean 346.74 Mbit/s)
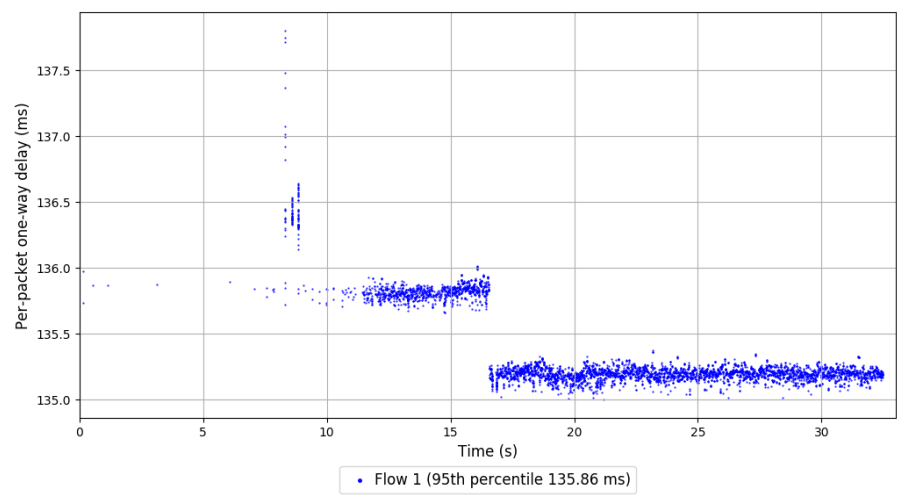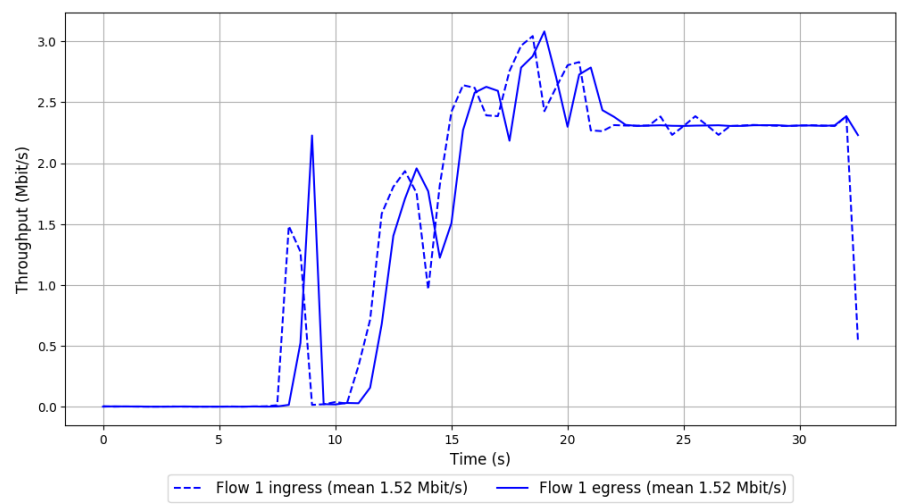

Flow 1 (95th percentile 138.56 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2018-08-02 14:30:04
End at: 2018-08-02 14:30:34
Local clock offset: -0.406 ms
Remote clock offset: 0.006 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 135.863 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 135.863 ms
Loss rate: 1.24%
```

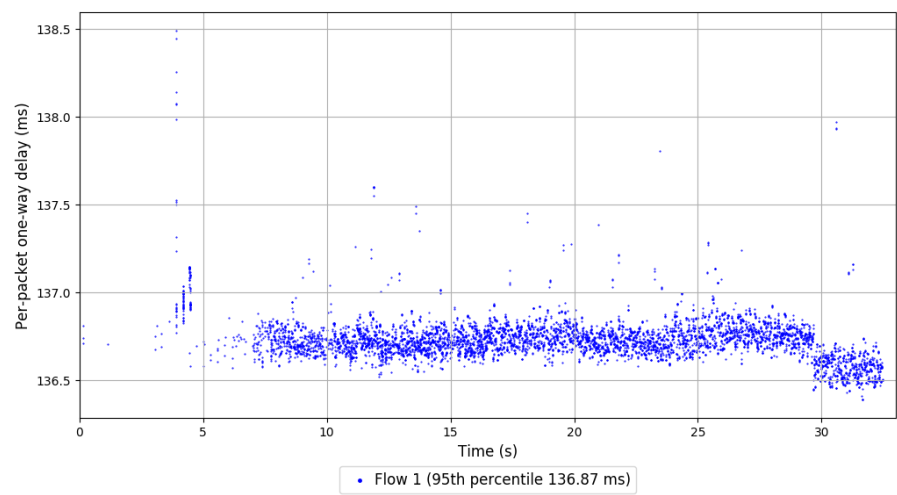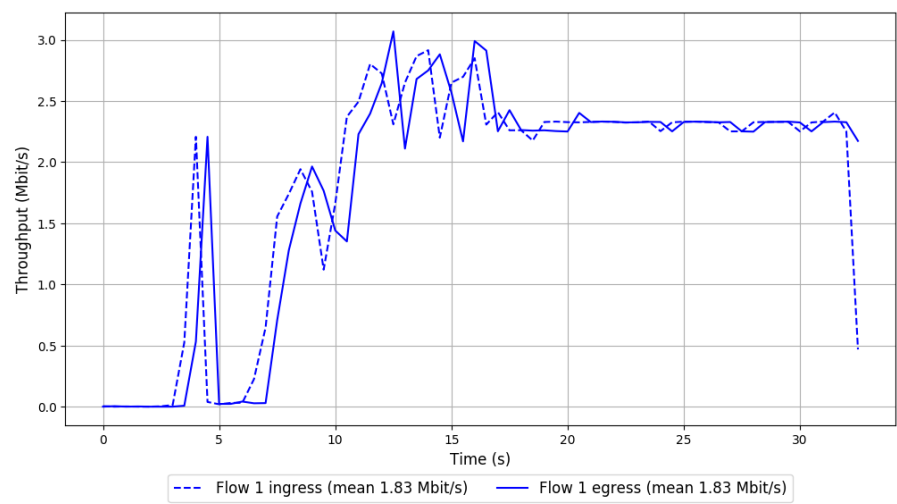Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-08-02 14:53:00
End at: 2018-08-02 14:53:30
Local clock offset: -0.199 ms
Remote clock offset: -0.079 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.870 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.870 ms
Loss rate: 1.04%
```

Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-08-02 15:16:11
End at: 2018-08-02 15:16:41
Local clock offset: -0.542 ms
Remote clock offset: -0.04 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.400 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.400 ms
Loss rate: 1.10%
```
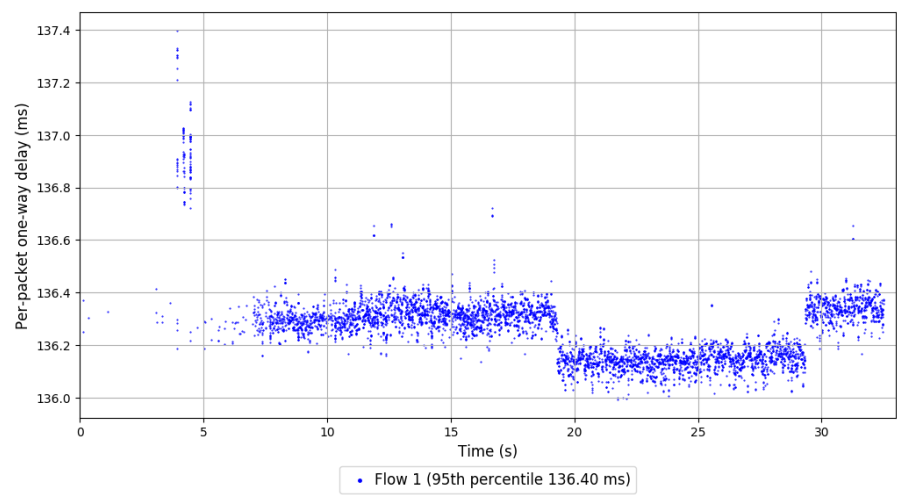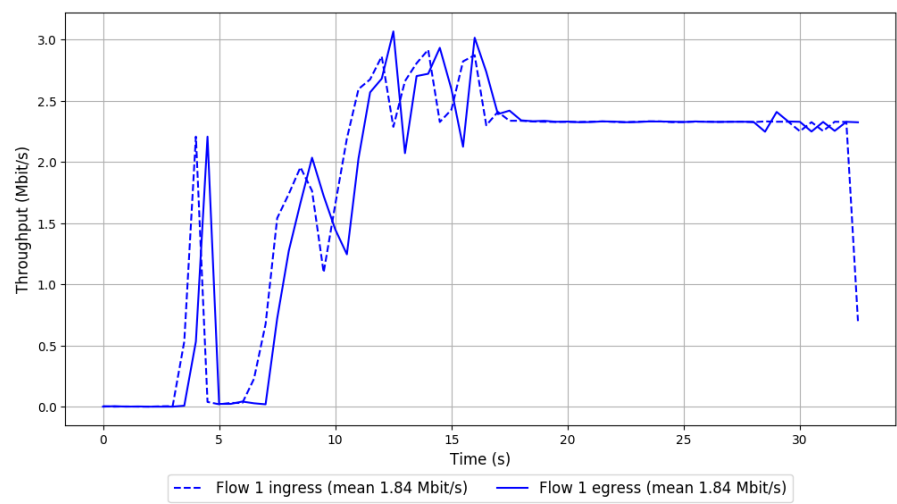
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-08-02 15:39:38
End at: 2018-08-02 15:40:08
Local clock offset: -0.107 ms
Remote clock offset: 0.141 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.386 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.386 ms
Loss rate: 1.03%
```
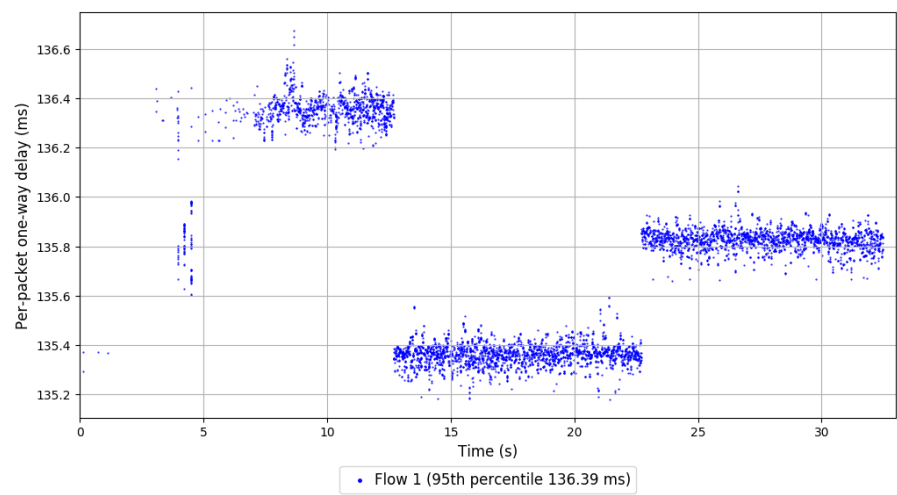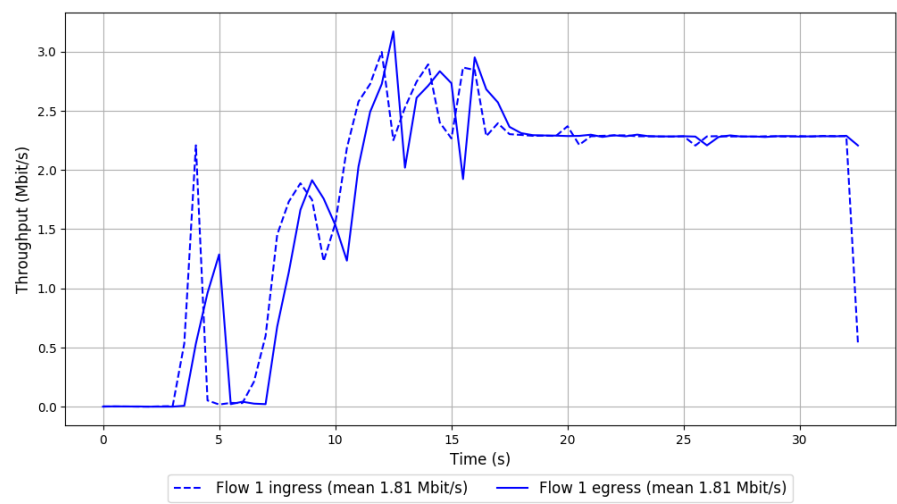
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2018-08-02 16:02:51
End at: 2018-08-02 16:03:21
Local clock offset: 0.194 ms
Remote clock offset: 0.092 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.145 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.145 ms
Loss rate: 1.02%
```

Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.81 Mbit/s) --- Flow 1 egress (mean 1.80 Mbit/s)

Flow 1 (95th percentile 136.15 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-08-02 16:26:03
End at: 2018-08-02 16:26:33
Local clock offset: -0.064 ms
Remote clock offset: -0.01 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.419 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.419 ms
Loss rate: 1.09%
```
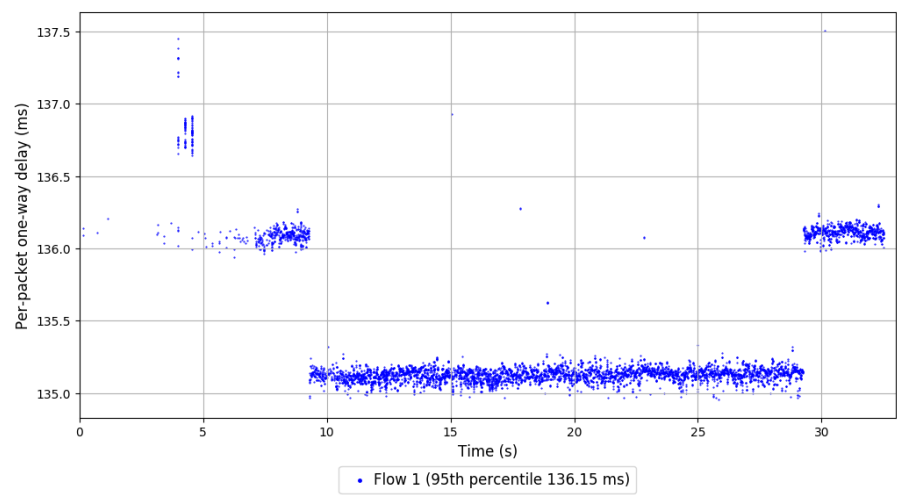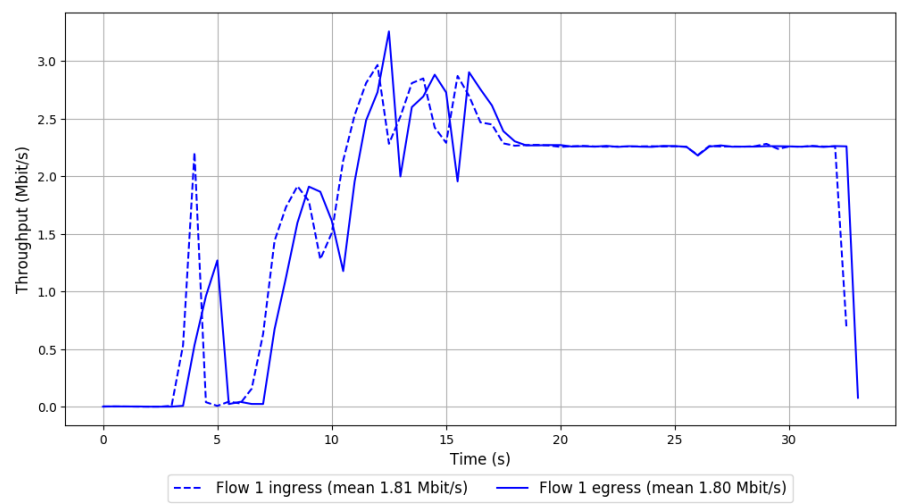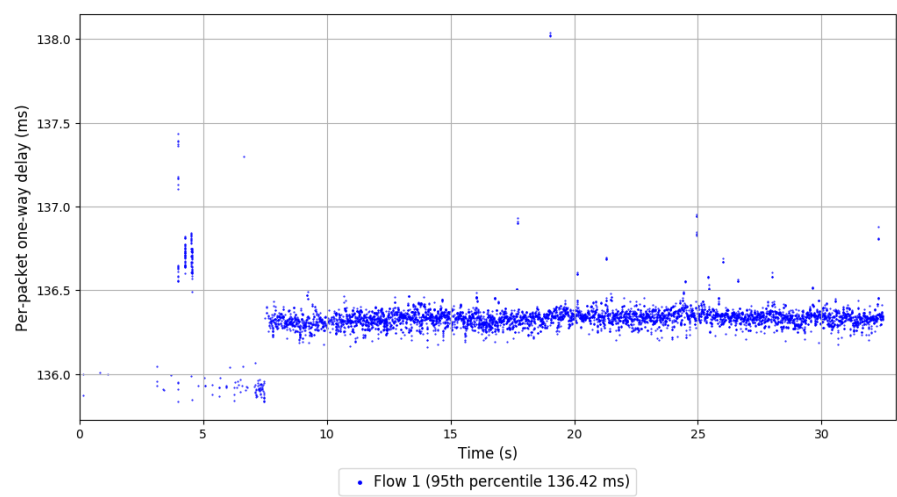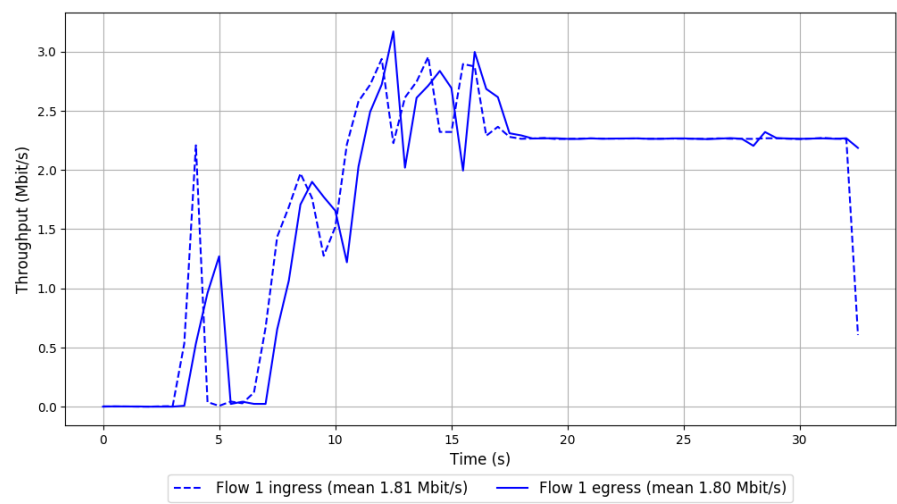
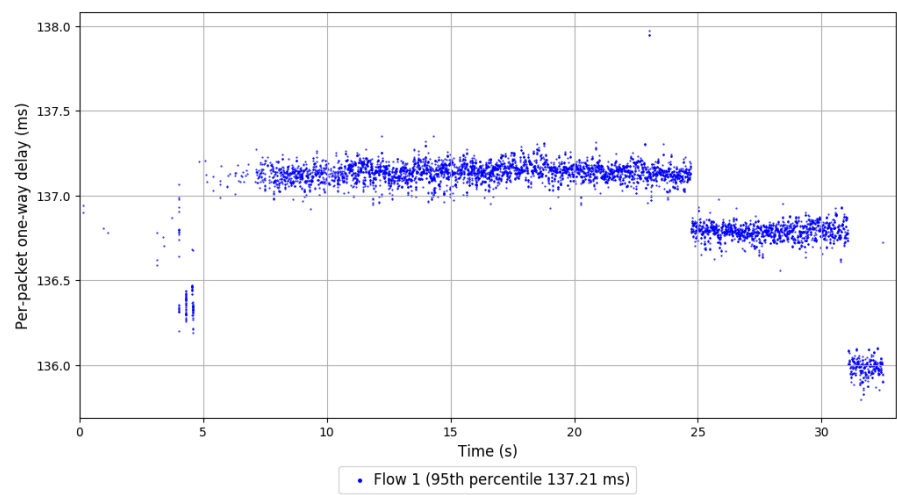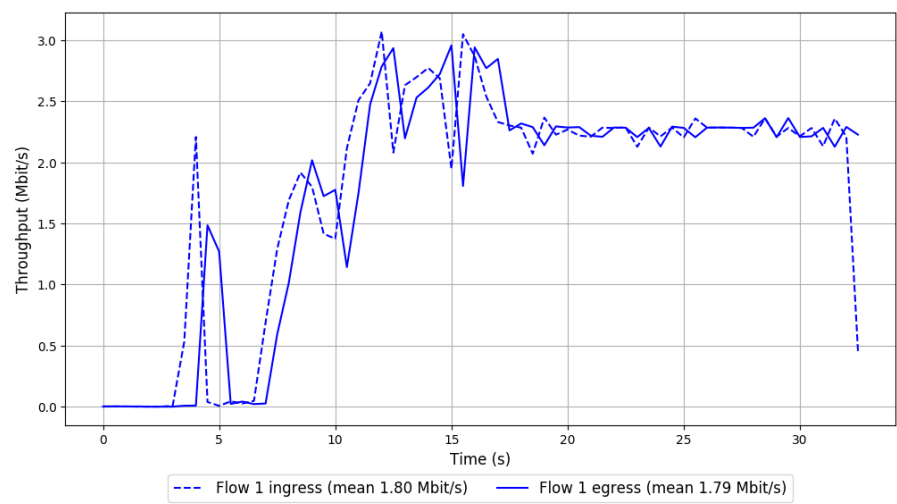Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-08-02 16:49:25
End at: 2018-08-02 16:49:56
Local clock offset: 0.157 ms
Remote clock offset: -0.338 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 137.208 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 137.208 ms
Loss rate: 0.96%
```

Run 7: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.80 Mbit/s) ---- Flow 1 egress (mean 1.79 Mbit/s) ----

Flow 1 (95th percentile 137.21 ms)

```
Run 8: Statistics of WebRTC media

Start at: 2018-08-02 17:12:35
End at: 2018-08-02 17:13:05
Local clock offset: -0.121 ms
Remote clock offset: 0.002 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 135.999 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 135.999 ms
Loss rate: 1.03%
```
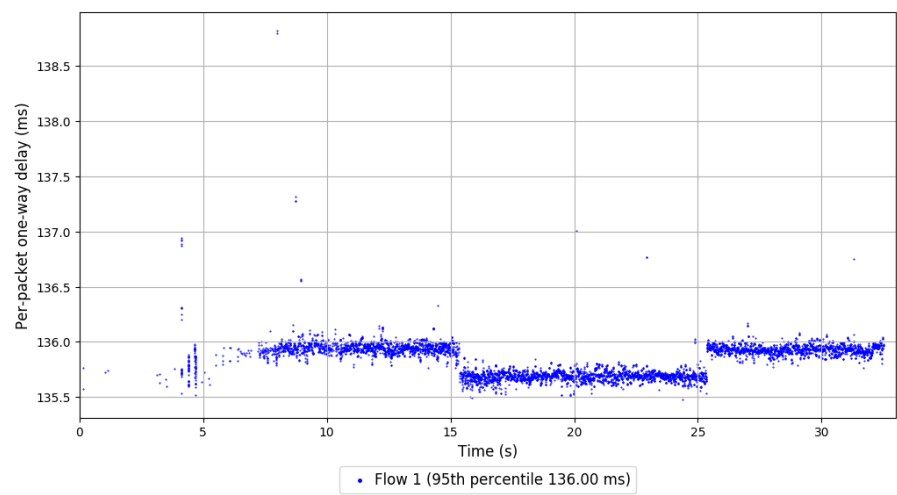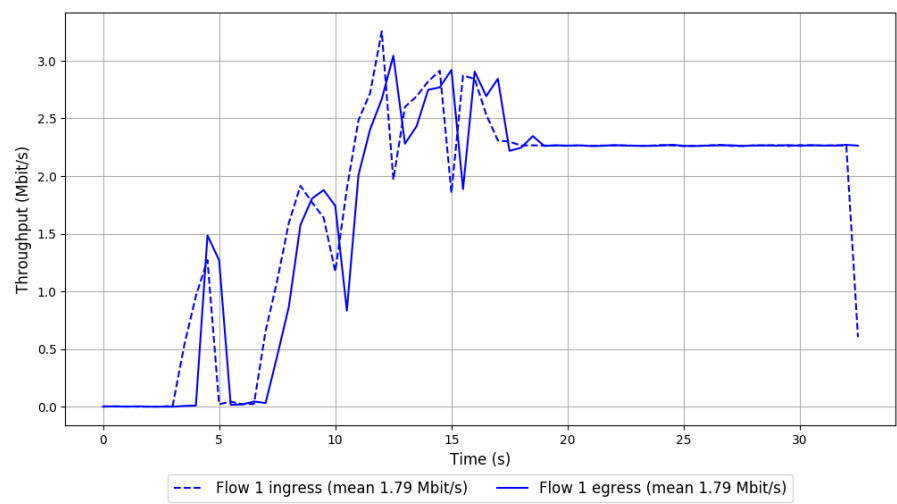
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.79 Mbit/s) ----   Flow 1 egress (mean 1.79 Mbit/s) ——

Flow 1 (95th percentile 136.00 ms)

339

```
Run 9: Statistics of WebRTC media

Start at: 2018-08-02 17:36:03
End at: 2018-08-02 17:36:33
Local clock offset: -0.048 ms
Remote clock offset: 0.073 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 136.387 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 136.387 ms
Loss rate: 1.11%
```
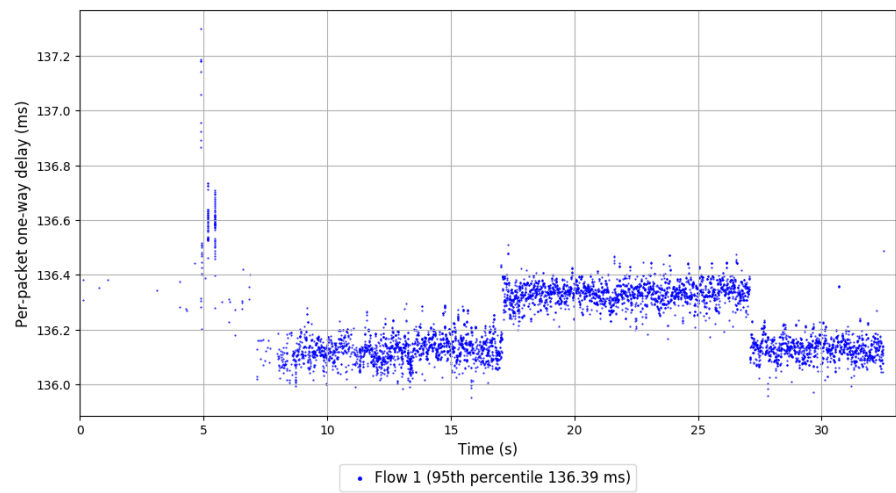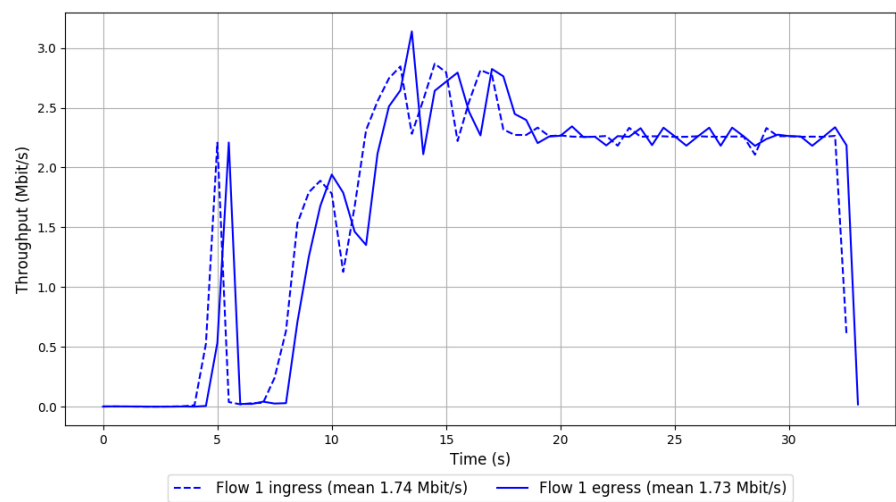
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-08-02 17:59:02
End at: 2018-08-02 17:59:32
Local clock offset: -0.111 ms
Remote clock offset: 0.063 ms


# Below is generated by plot.py at 2018-08-02 19:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 136.339 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 136.339 ms
Loss rate: 1.08%
```

Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.79 Mbit/s)   Flow 1 egress (mean 1.78 Mbit/s)

Flow 1 (95th percentile 136.34 ms)