Pantheon Report

Generated at 2018-08-09 04:37:02 (UTC).

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

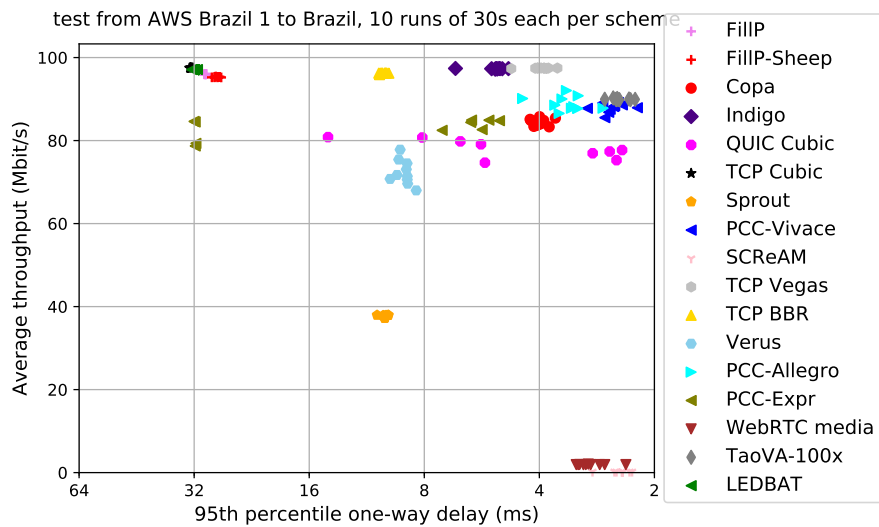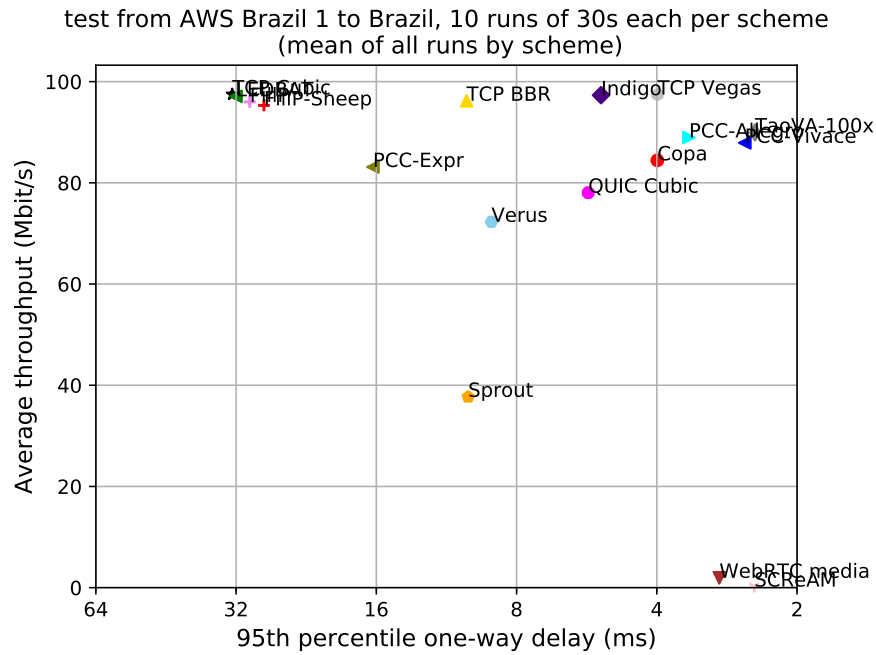Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

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

```
Git summary:
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
 M src/ScreamClient
 M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```
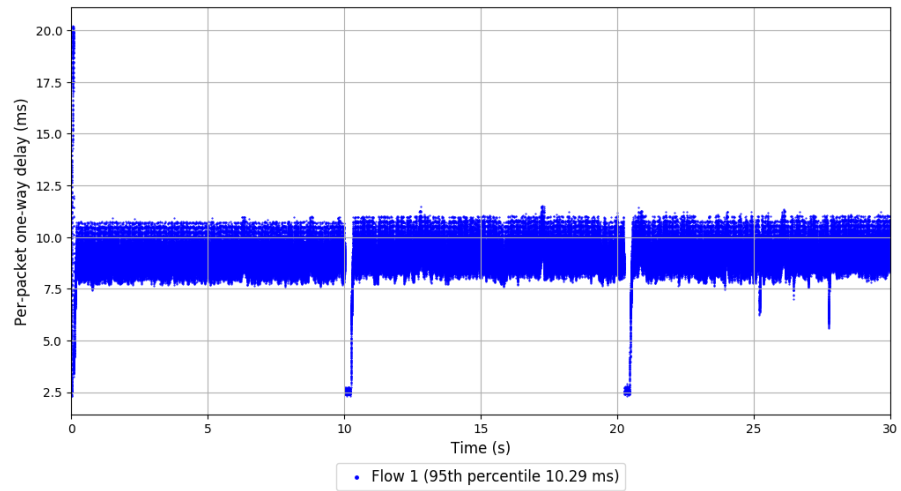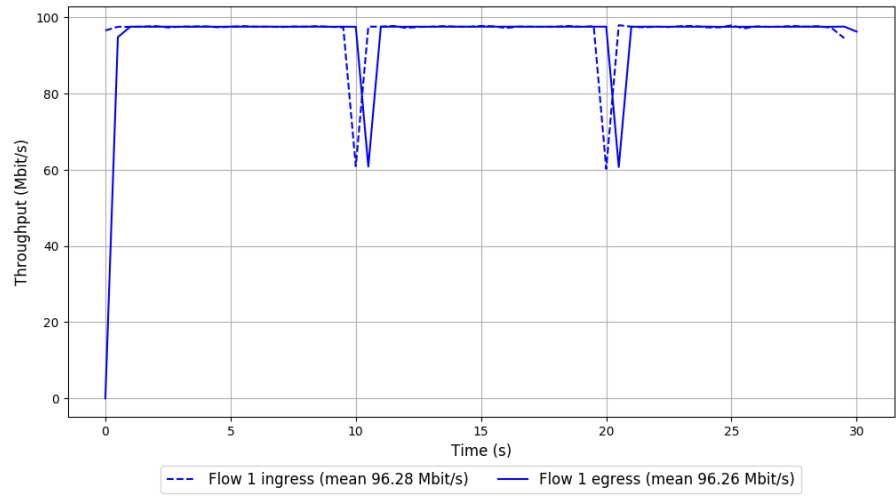
test from AWS Brazil 1 to Brazil, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from AWS Brazil 1 to Brazil, 10 runs of 30s each per scheme

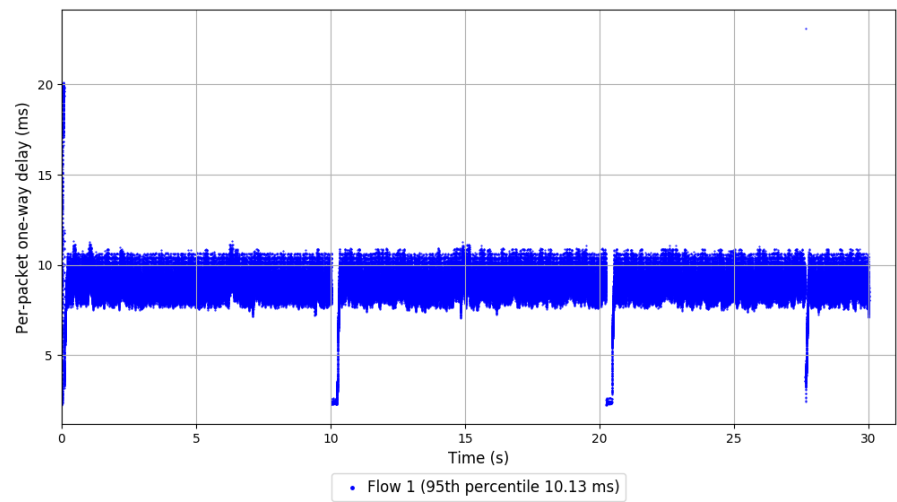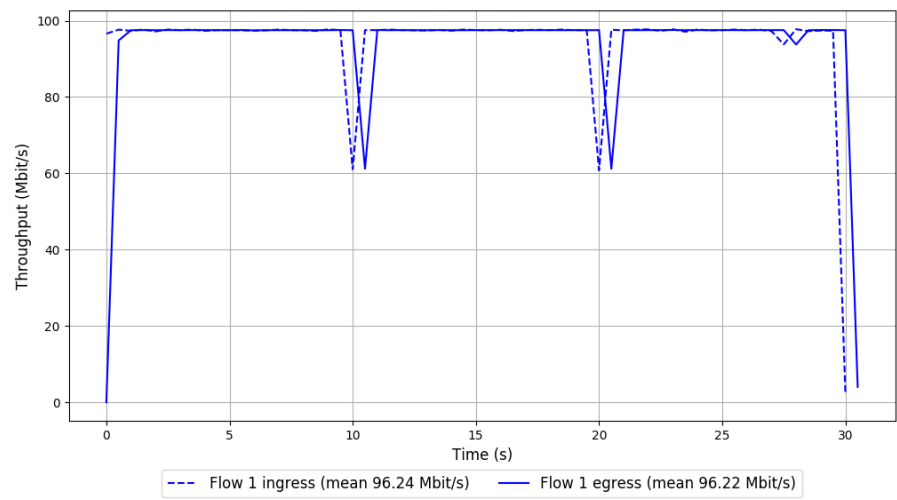| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.21	10.24	0.00
Copa	10	84.44	3.99	0.00
TCP Cubic	10	97.48	32.62	0.01
FillP	10	95.99	29.91	4.16
FillP-Sheep	10	95.30	27.88	1.20
Indigo	10	97.32	5.27	0.00
LEDBAT	10	97.10	32.02	0.01
PCC-Allegro	10	88.95	3.41	0.01
PCC-Expr	10	83.13	16.27	0.35
QUIC Cubic	9	78.05	5.61	0.28
SCReAM	10	0.22	2.47	0.00
Sprout	10	37.70	10.16	0.00
TaoVA-100x	10	89.97	2.46	0.00
TCP Vegas	10	97.44	3.99	0.00
Verus	10	72.29	9.06	0.93
PCC-Vivace	10	87.90	2.59	0.00
WebRTC media	10	1.95	2.94	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2018-08-09 01:16:00
End at: 2018-08-09 01:16:30
Local clock offset: -8.349 ms
Remote clock offset: -3.049 ms

# Below is generated by plot.py at 2018-08-09 04:14:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.290 ms
Loss rate: 0.00%
```

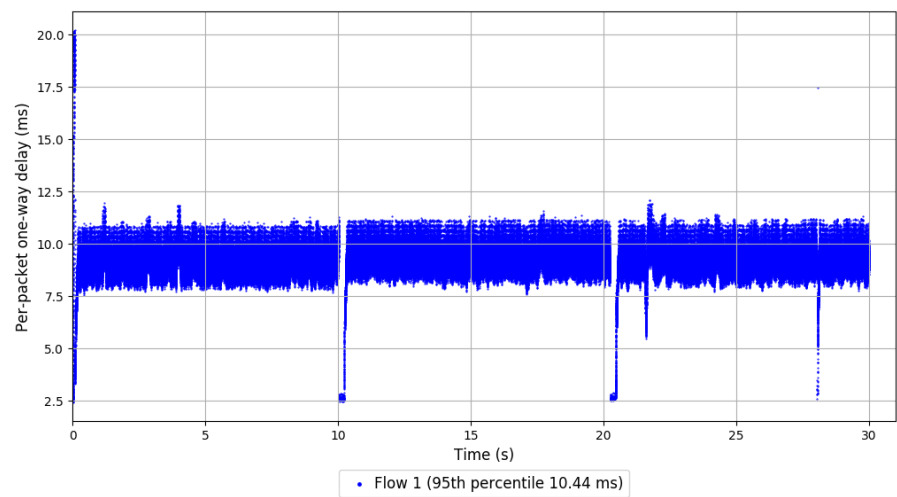# Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-08-09 01:35:02
End at: 2018-08-09 01:35:32
Local clock offset: -7.164 ms
Remote clock offset: -1.914 ms


# Below is generated by plot.py at 2018-08-09 04:14:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 10.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 10.126 ms
Loss rate: 0.00%
```
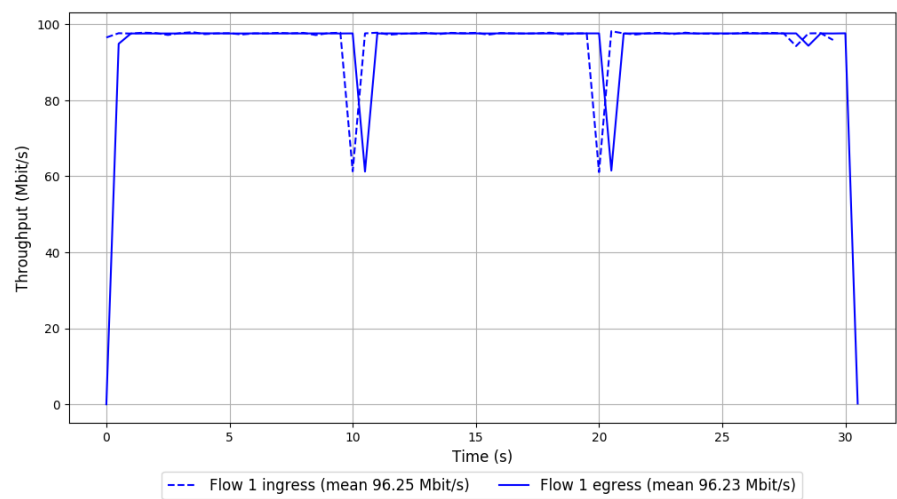
Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2018-08-09 01:54:04
End at: 2018-08-09 01:54:34
Local clock offset: -4.105 ms
Remote clock offset: -1.493 ms


# Below is generated by plot.py at 2018-08-09 04:14:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.436 ms
Loss rate: 0.00%
```
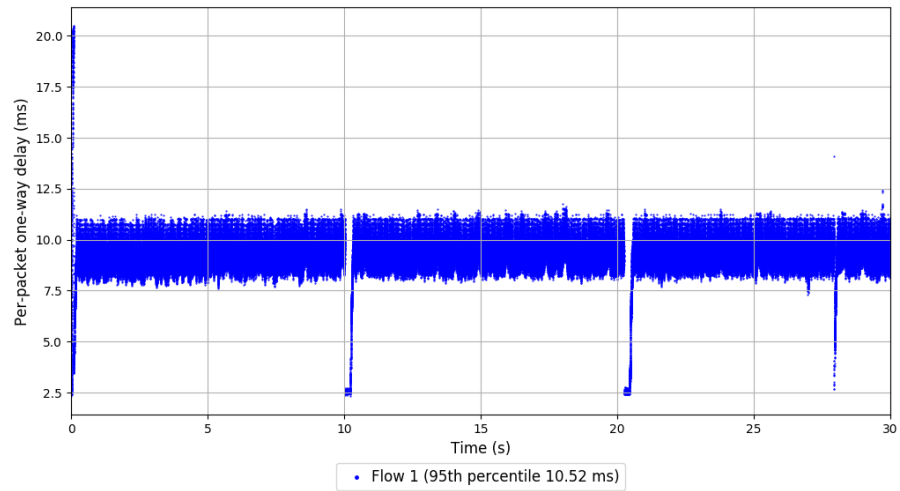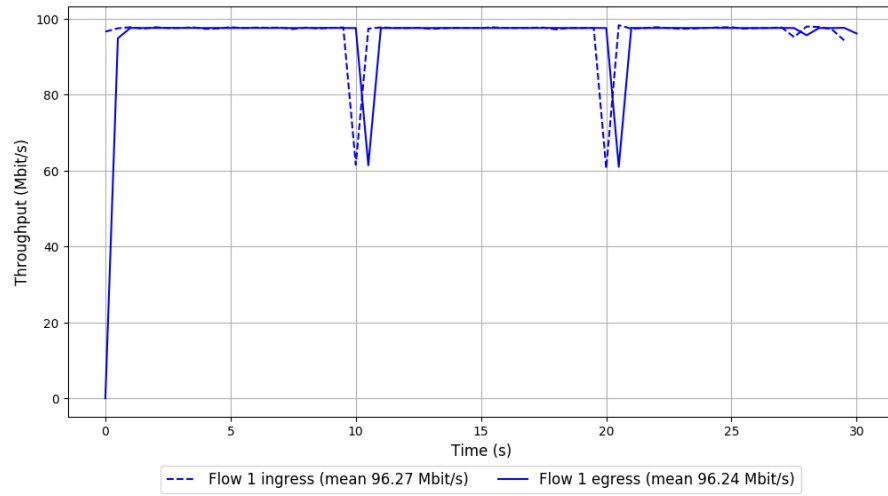
Run 3: Report of TCP BBR — Data Link

```
Run 4: Statistics of TCP BBR

Start at: 2018-08-09 02:13:06
End at: 2018-08-09 02:13:36
Local clock offset: -1.53 ms
Remote clock offset: -1.05 ms


# Below is generated by plot.py at 2018-08-09 04:14:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.523 ms
Loss rate: 0.00%
```
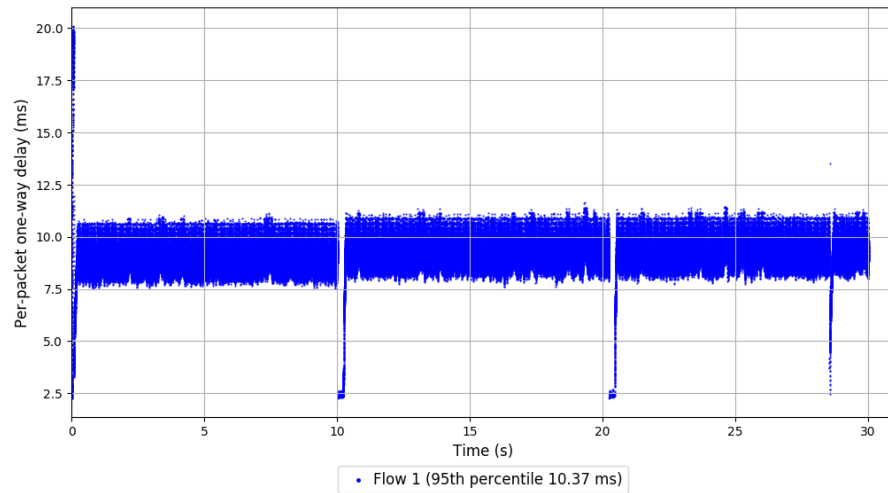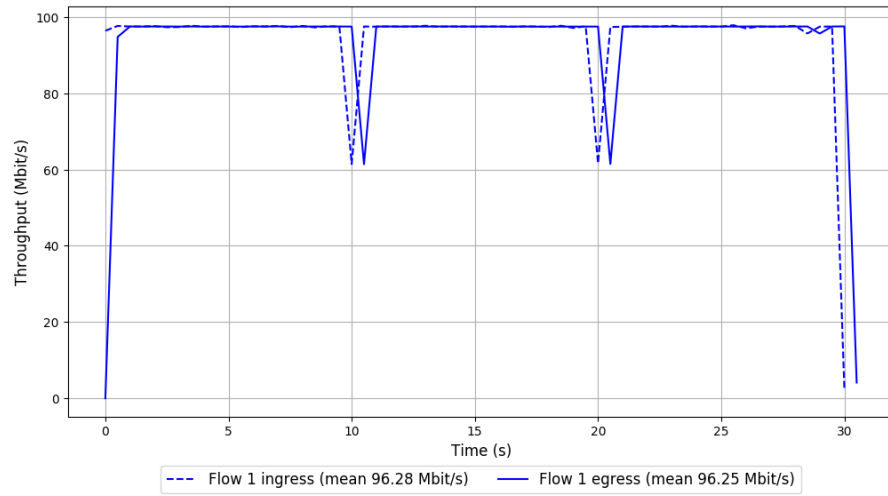
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2018-08-09 02:32:08
End at: 2018-08-09 02:32:38
Local clock offset: -1.957 ms
Remote clock offset: -1.567 ms


# Below is generated by plot.py at 2018-08-09 04:14:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.366 ms
Loss rate: 0.00%
```

Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.28 Mbit/s)   Flow 1 egress (mean 96.25 Mbit/s)

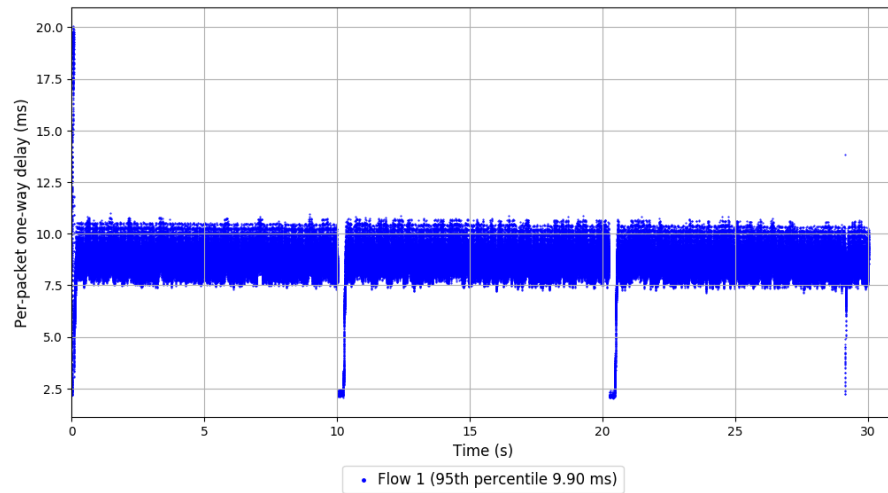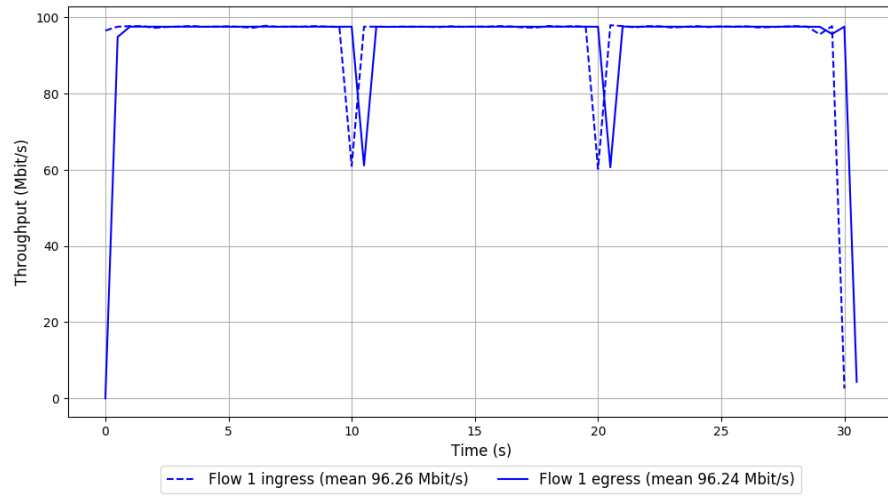Flow 1 (95th percentile 10.37 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-08-09 02:51:10
End at: 2018-08-09 02:51:40
Local clock offset: -4.79 ms
Remote clock offset: -2.048 ms


# Below is generated by plot.py at 2018-08-09 04:14:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 9.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 9.903 ms
Loss rate: 0.00%
```
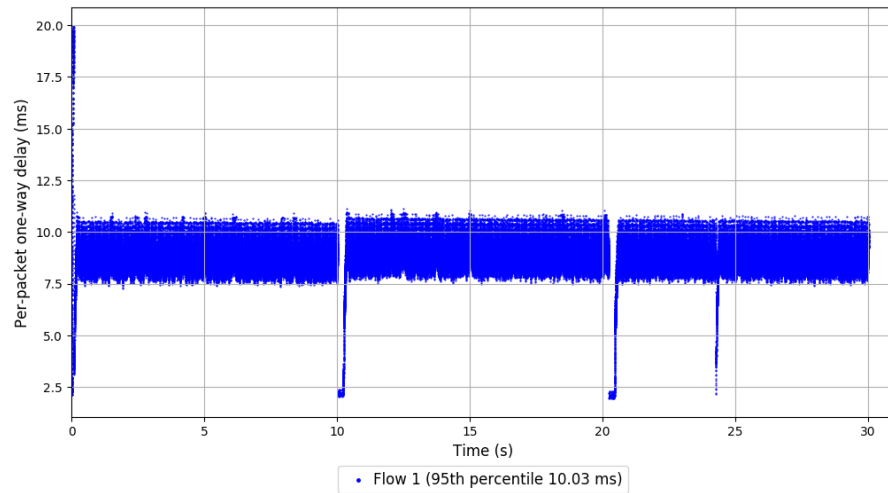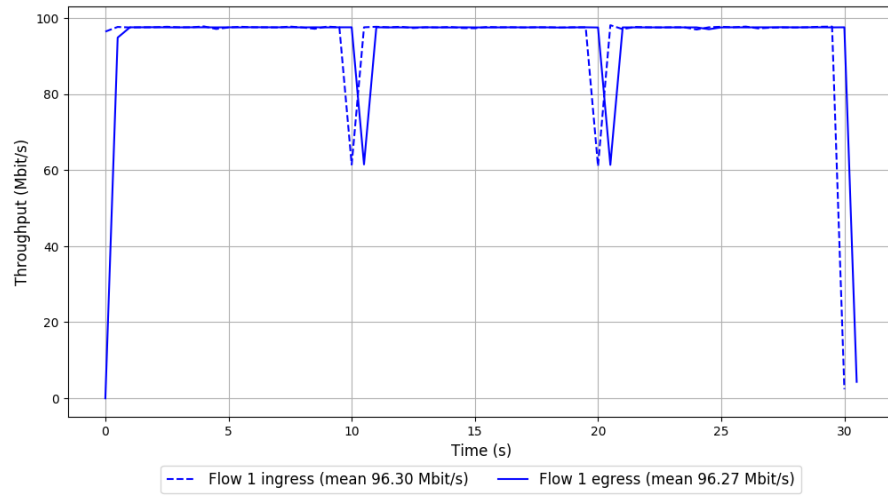
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.26 Mbit/s) --- Flow 1 egress (mean 96.24 Mbit/s)

Flow 1 (95th percentile 9.90 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-08-09 03:10:11
End at: 2018-08-09 03:10:41
Local clock offset: -8.694 ms
Remote clock offset: 5.487 ms


# Below is generated by plot.py at 2018-08-09 04:14:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.034 ms
Loss rate: 0.00%
```
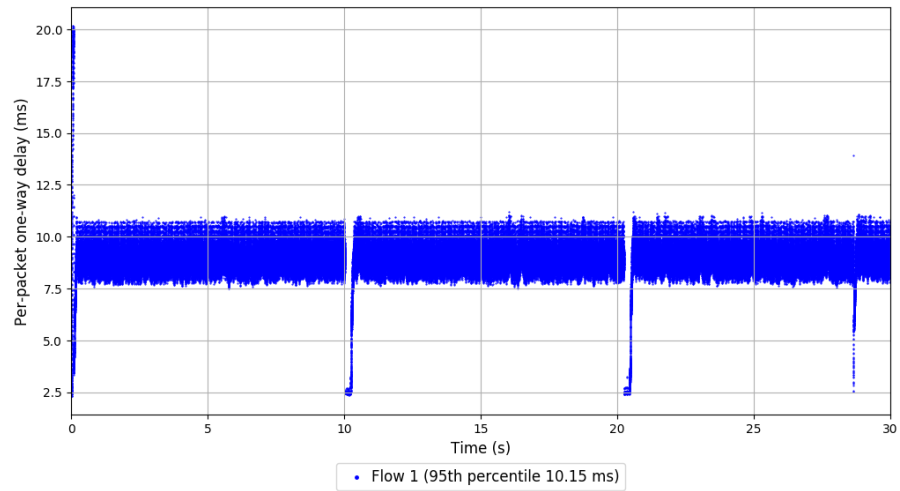
Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2018-08-09 03:29:14
End at: 2018-08-09 03:29:44
Local clock offset: -2.864 ms
Remote clock offset: 10.074 ms


# Below is generated by plot.py at 2018-08-09 04:14:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.151 ms
Loss rate: 0.00%
```
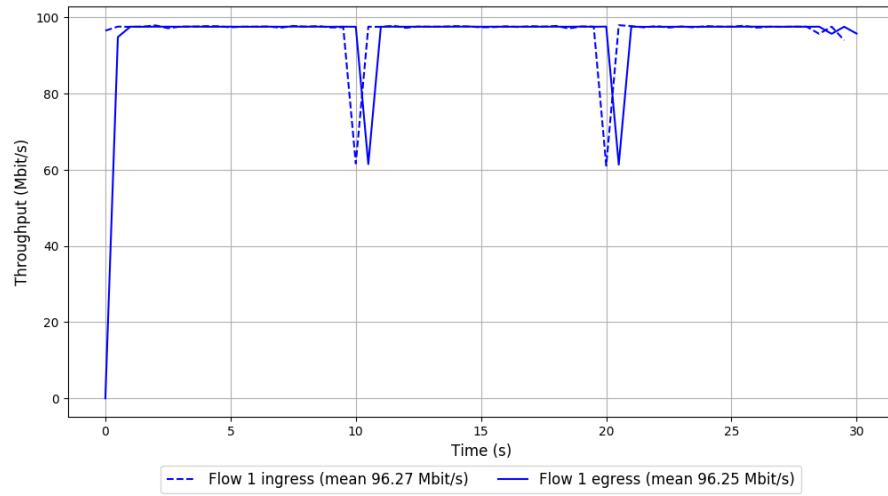
Run 8: Report of TCP BBR — Data Link

```
Run 9: Statistics of TCP BBR

Start at: 2018-08-09 03:48:16
End at: 2018-08-09 03:48:46
Local clock offset: -1.197 ms
Remote clock offset: 12.67 ms


# Below is generated by plot.py at 2018-08-09 04:15:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.120 ms
Loss rate: 0.00%
```
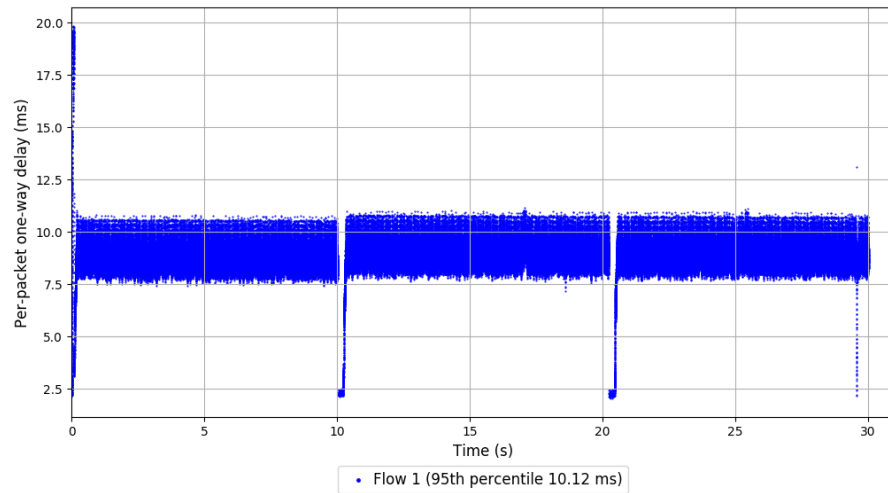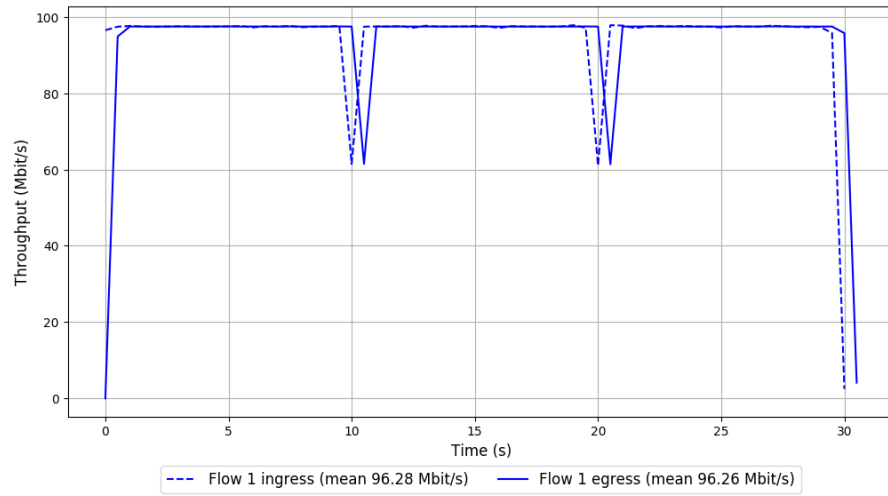
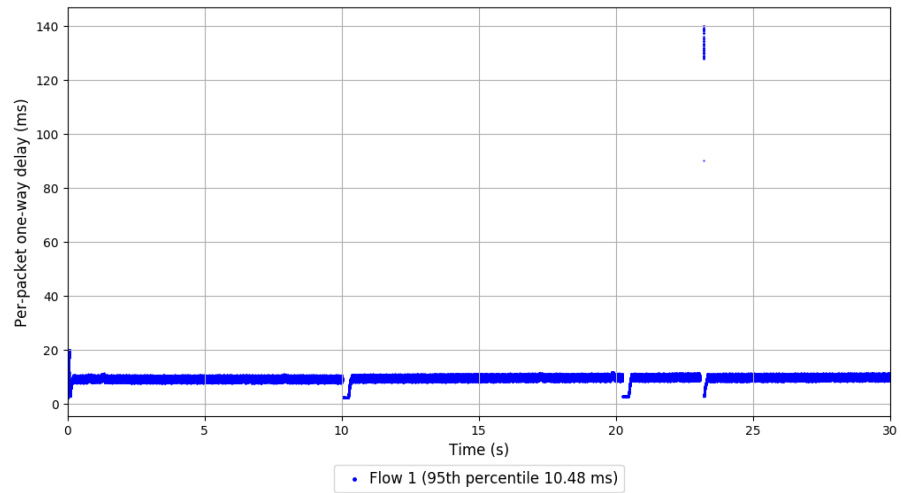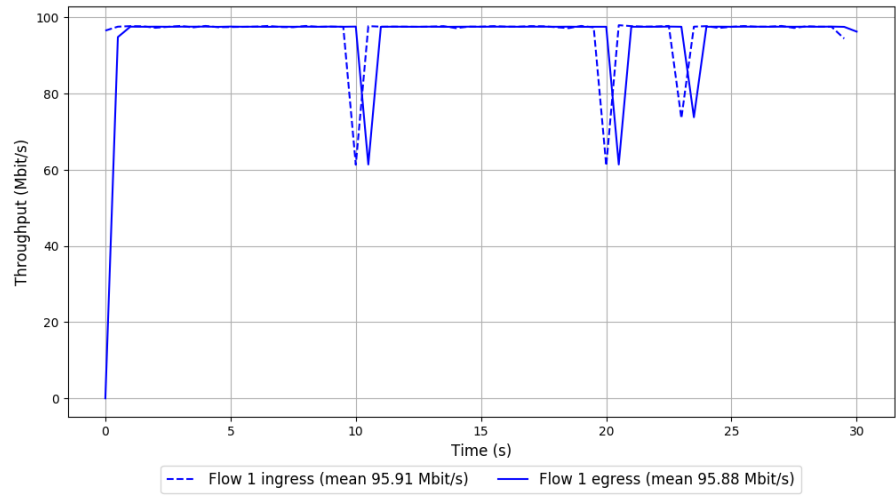Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2018-08-09 04:07:17
End at: 2018-08-09 04:07:47
Local clock offset: -2.094 ms
Remote clock offset: 15.107 ms


# Below is generated by plot.py at 2018-08-09 04:15:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 10.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 10.476 ms
Loss rate: 0.00%
```
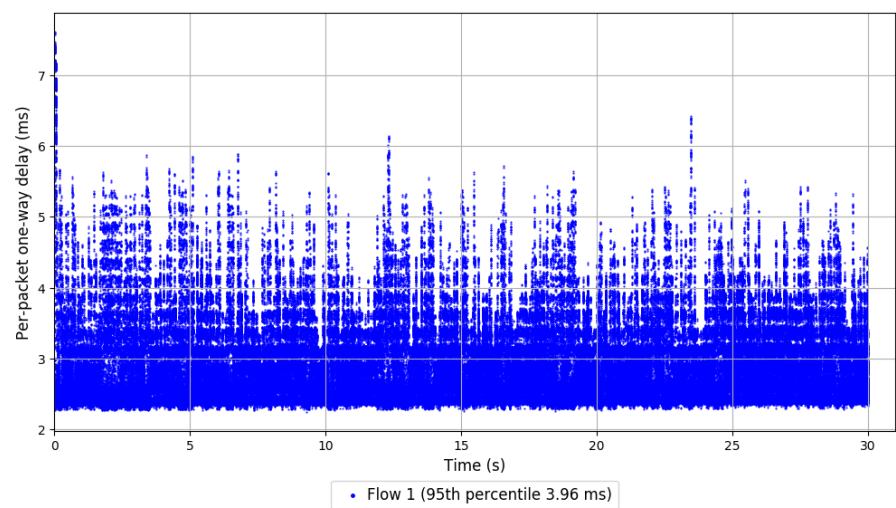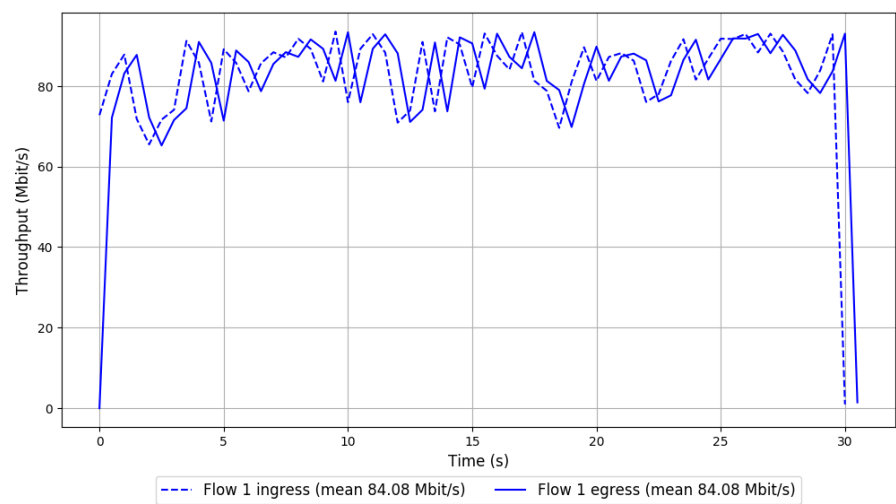
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-08-09 01:10:24
End at: 2018-08-09 01:10:54
Local clock offset: -8.505 ms
Remote clock offset: -3.027 ms

# Below is generated by plot.py at 2018-08-09 04:16:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 3.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 3.962 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 84.08 Mbit/s) — — — Flow 1 egress (mean 84.08 Mbit/s)

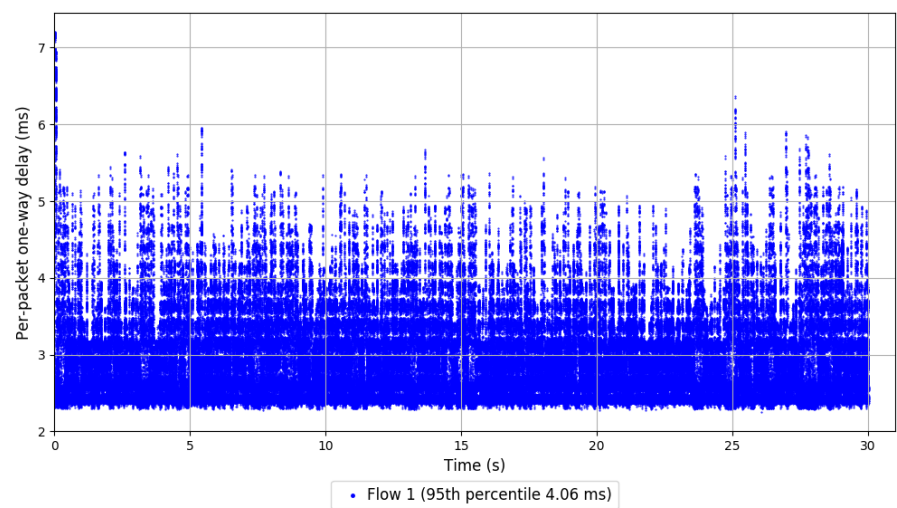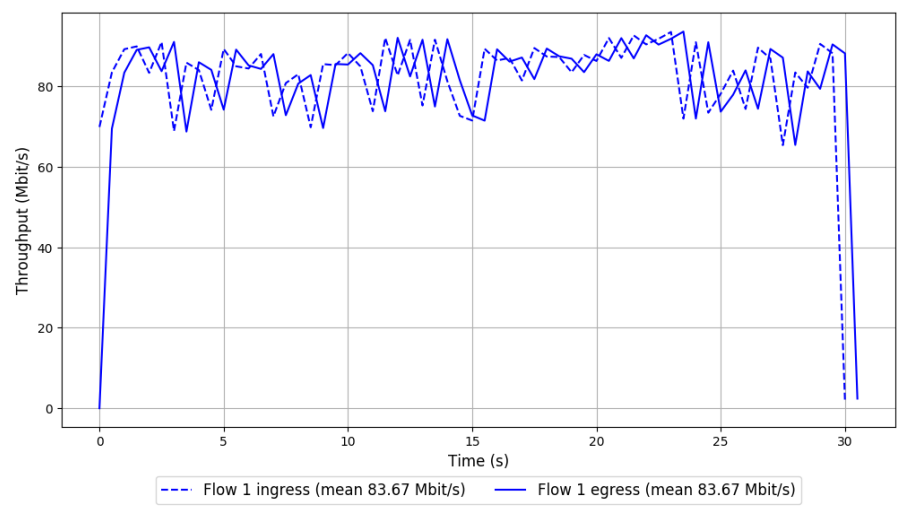• Flow 1 (95th percentile 3.96 ms)

```
Run 2: Statistics of Copa

Start at: 2018-08-09 01:29:26
End at: 2018-08-09 01:29:56
Local clock offset: -7.292 ms
Remote clock offset: -2.051 ms


# Below is generated by plot.py at 2018-08-09 04:16:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 4.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 4.058 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 83.67 Mbit/s)   Flow 1 egress (mean 83.67 Mbit/s)
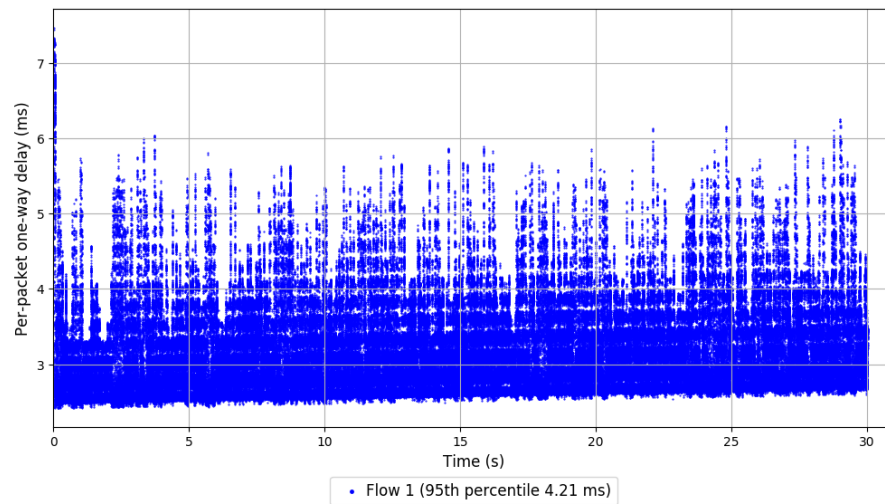

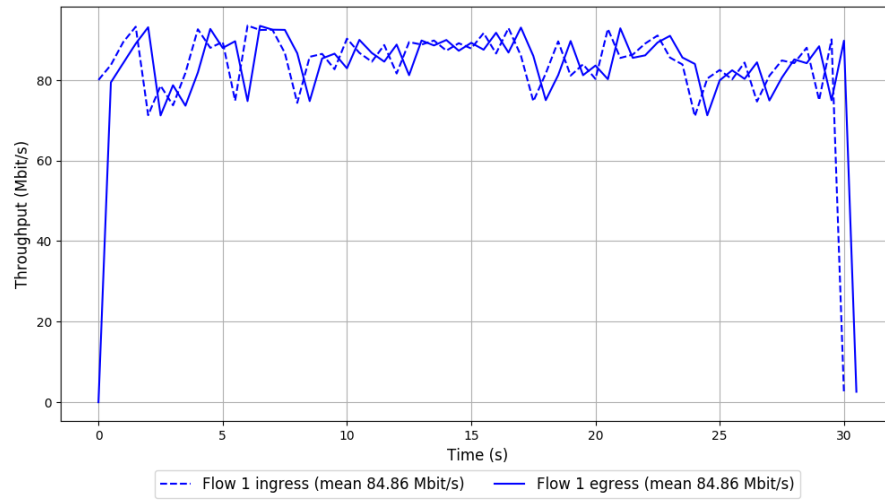
Flow 1 (95th percentile 4.06 ms)

```
Run 3: Statistics of Copa

Start at: 2018-08-09 01:48:28
End at: 2018-08-09 01:48:58
Local clock offset: -5.831 ms
Remote clock offset: -1.537 ms


# Below is generated by plot.py at 2018-08-09 04:16:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.86 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.86 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 84.86 Mbit/s)   Flow 1 egress (mean 84.86 Mbit/s)
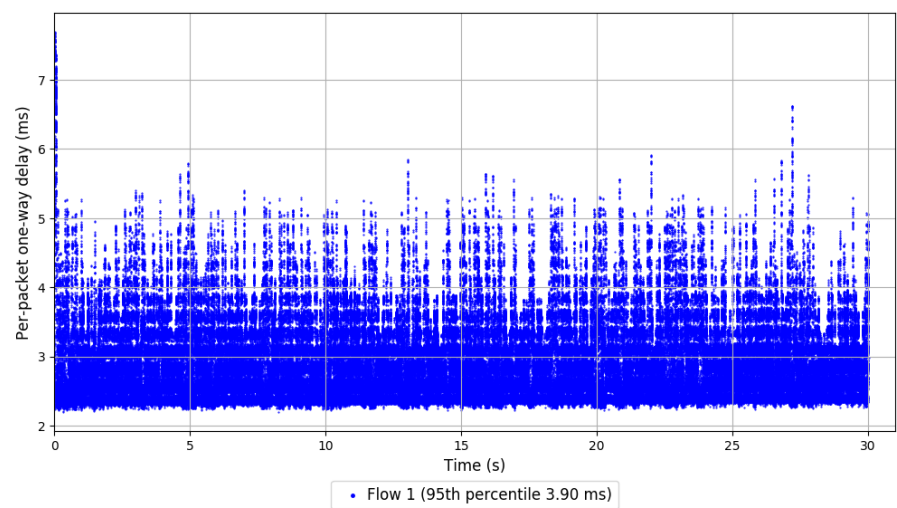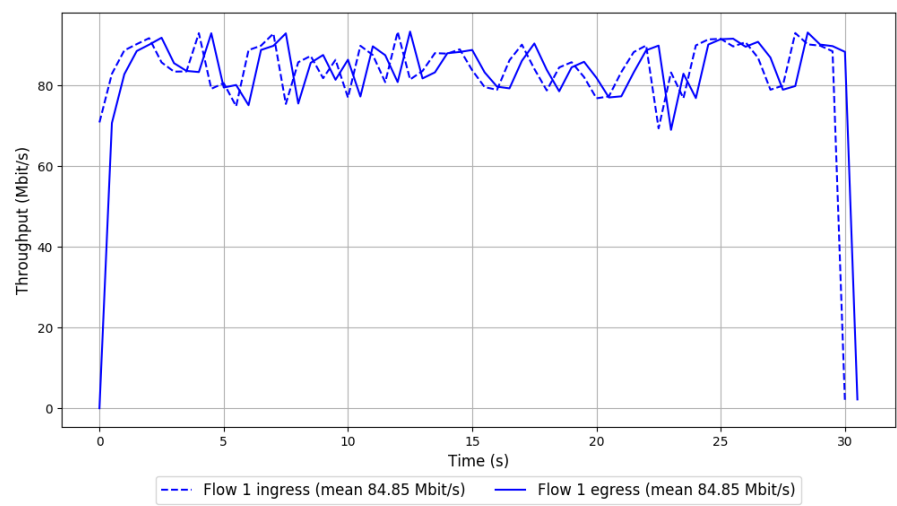

Flow 1 (95th percentile 4.21 ms)

```
Run 4: Statistics of Copa

Start at: 2018-08-09 02:07:30
End at: 2018-08-09 02:08:00
Local clock offset: -1.989 ms
Remote clock offset: -1.261 ms


# Below is generated by plot.py at 2018-08-09 04:16:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 3.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 3.897 ms
Loss rate: 0.00%
```

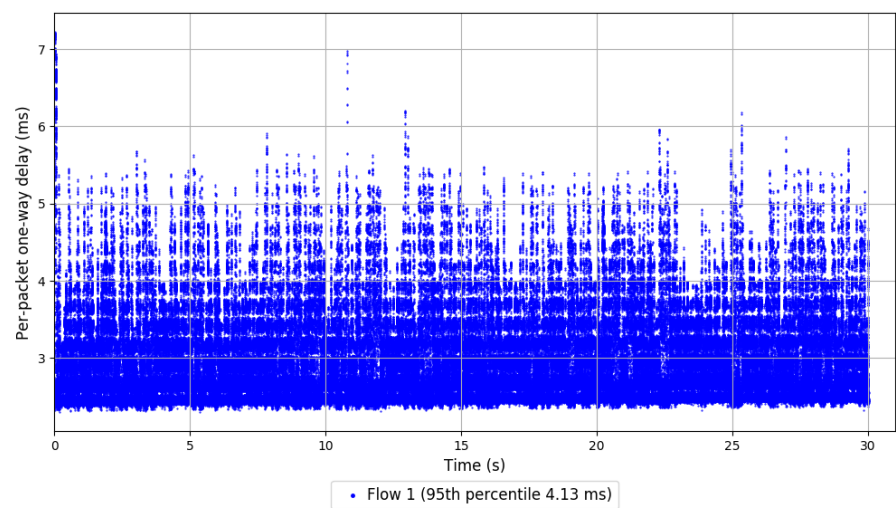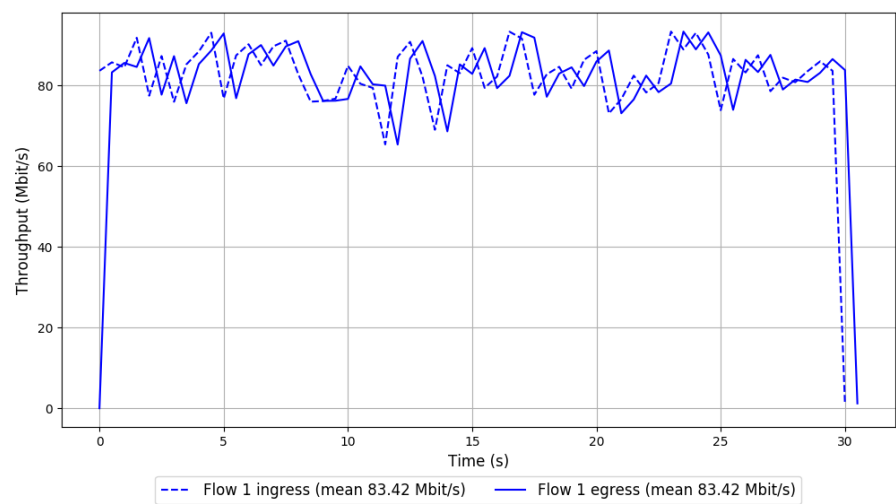Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2018-08-09 02:26:32
End at: 2018-08-09 02:27:02
Local clock offset: -1.956 ms
Remote clock offset: -0.997 ms


# Below is generated by plot.py at 2018-08-09 04:16:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 4.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 4.135 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 83.42 Mbit/s)   Flow 1 egress (mean 83.42 Mbit/s)
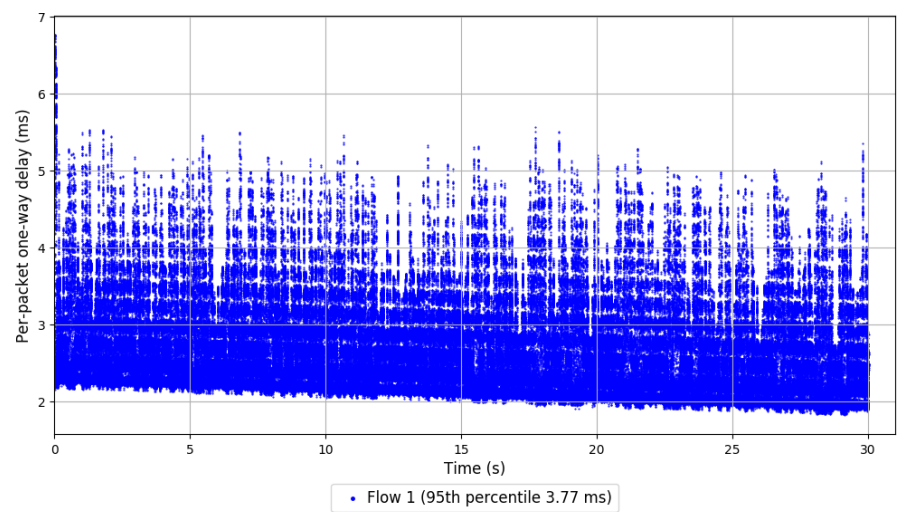

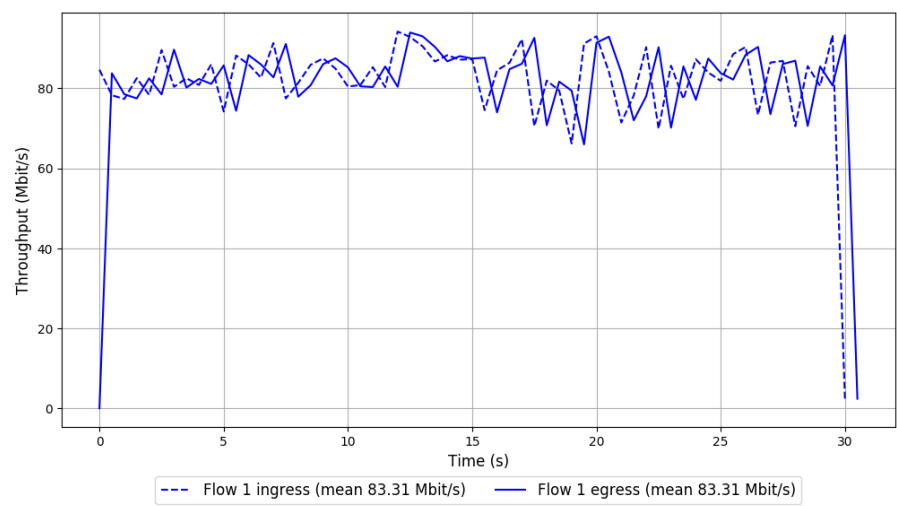
Flow 1 (95th percentile 4.13 ms)

```
Run 6: Statistics of Copa

Start at: 2018-08-09 02:45:34
End at: 2018-08-09 02:46:04
Local clock offset: -1.675 ms
Remote clock offset: -1.974 ms


# Below is generated by plot.py at 2018-08-09 04:16:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 3.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 3.770 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 83.31 Mbit/s) --- Flow 1 egress (mean 83.31 Mbit/s)

• Flow 1 (95th percentile 3.77 ms)

```
Run 7: Statistics of Copa

Start at: 2018-08-09 03:04:35
End at: 2018-08-09 03:05:05
Local clock offset: -8.048 ms
Remote clock offset: 2.551 ms


# Below is generated by plot.py at 2018-08-09 04:17:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 3.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 3.631 ms
Loss rate: 0.00%
```
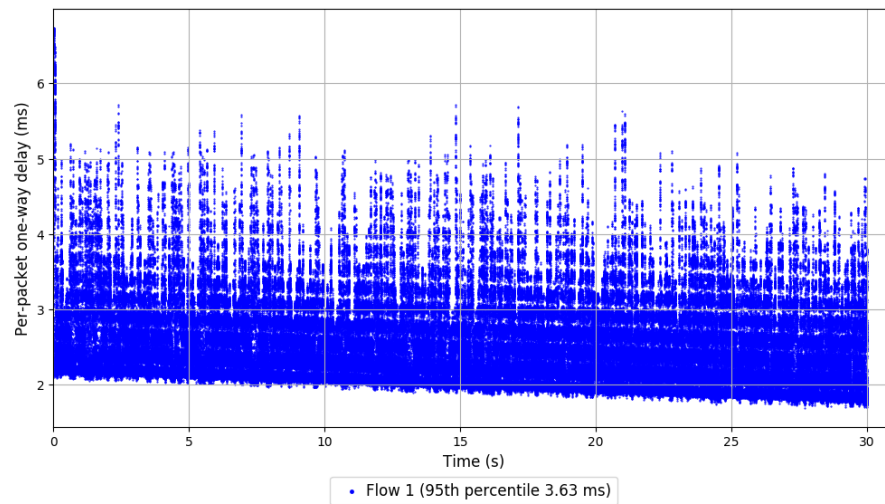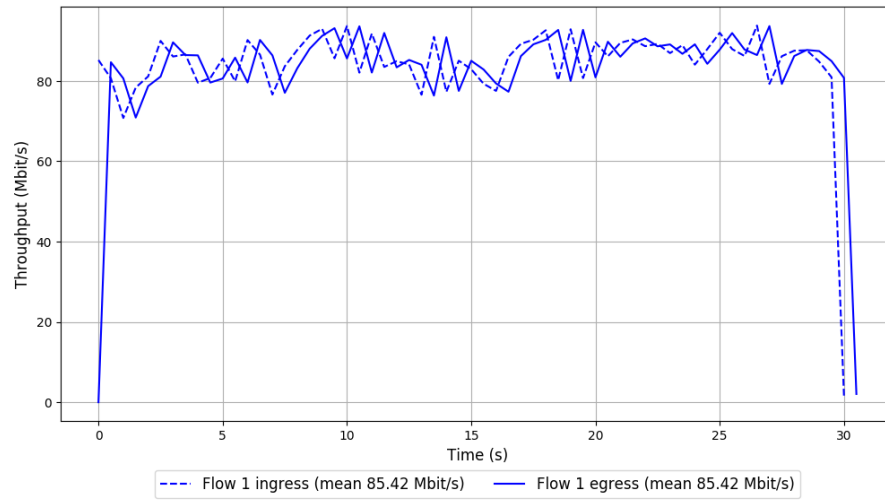
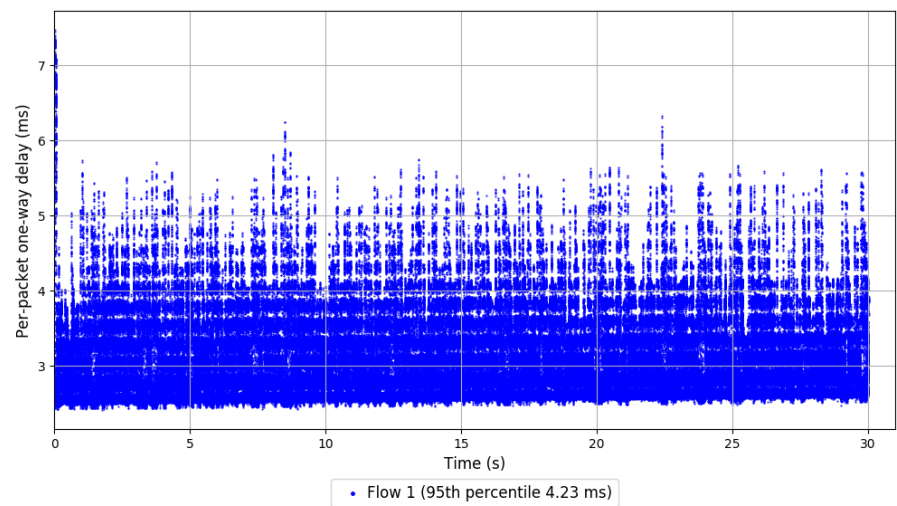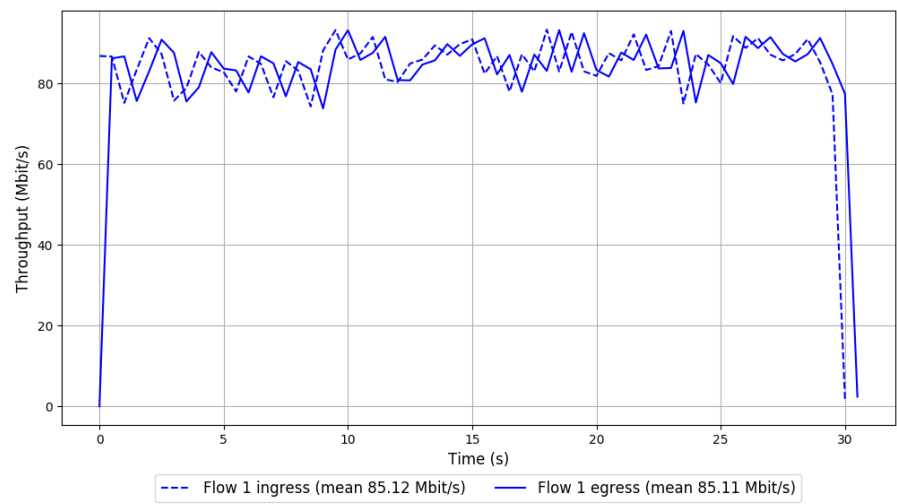Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2018-08-09 03:23:38
End at: 2018-08-09 03:24:08
Local clock offset: -4.529 ms
Remote clock offset: 9.189 ms


# Below is generated by plot.py at 2018-08-09 04:17:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 4.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 4.230 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 85.12 Mbit/s)   Flow 1 egress (mean 85.11 Mbit/s)
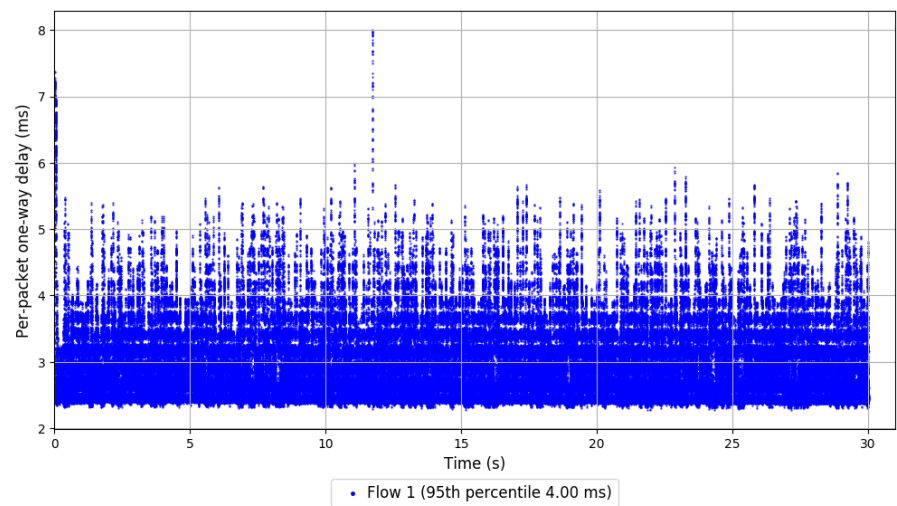

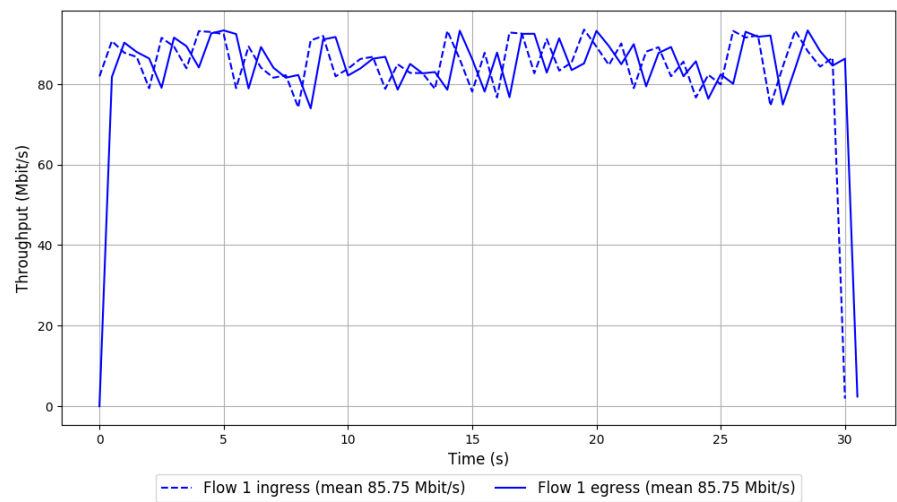
Flow 1 (95th percentile 4.23 ms)

```
Run 9: Statistics of Copa

Start at: 2018-08-09 03:42:39
End at: 2018-08-09 03:43:09
Local clock offset: -1.003 ms
Remote clock offset: 12.013 ms


# Below is generated by plot.py at 2018-08-09 04:18:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 3.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 3.995 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 85.75 Mbit/s)   Flow 1 egress (mean 85.75 Mbit/s)

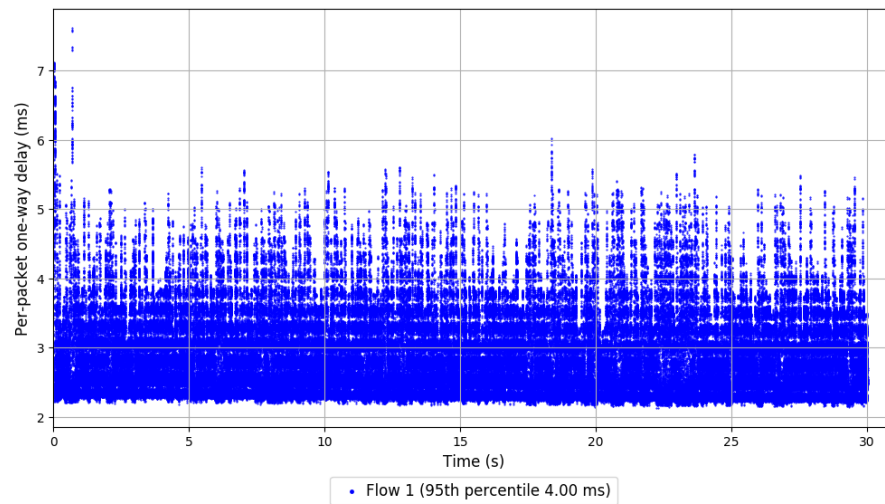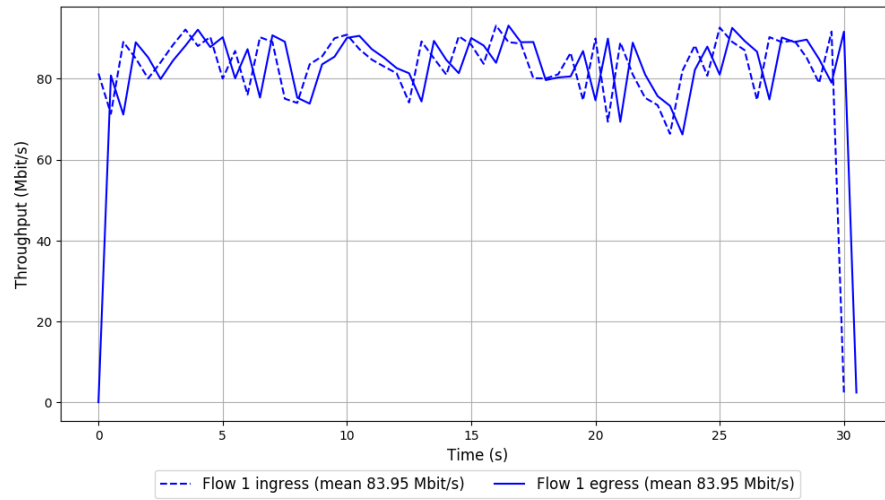Flow 1 (95th percentile 4.00 ms)

41

```
Run 10: Statistics of Copa

Start at: 2018-08-09 04:01:41
End at: 2018-08-09 04:02:11
Local clock offset: -2.084 ms
Remote clock offset: 14.392 ms


# Below is generated by plot.py at 2018-08-09 04:18:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 4.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 4.002 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 83.95 Mbit/s)   Flow 1 egress (mean 83.95 Mbit/s)
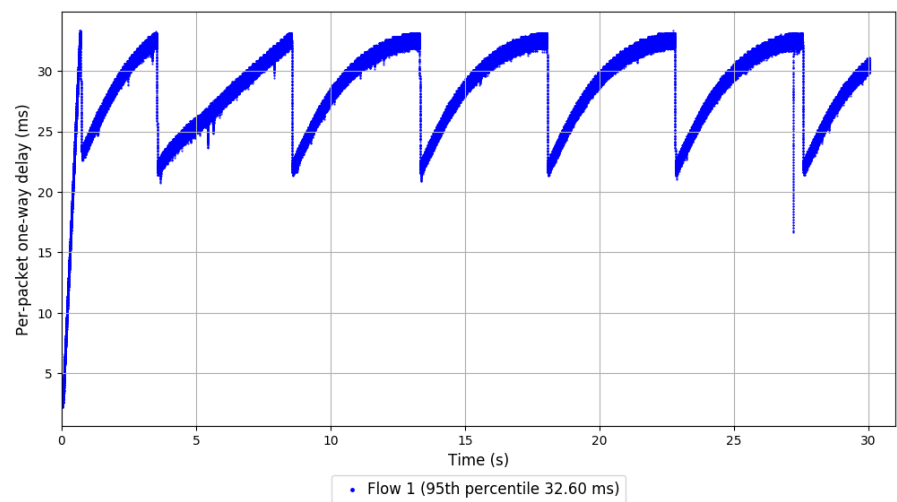
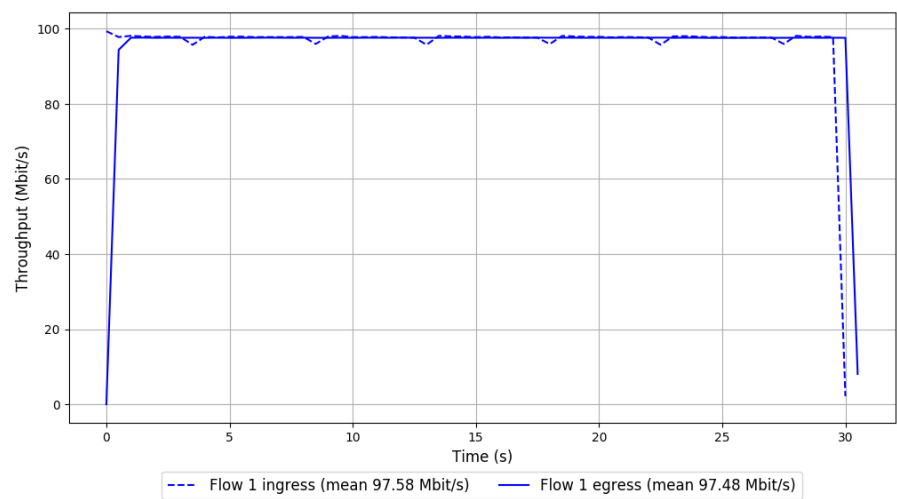

Flow 1 (95th percentile 4.00 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 01:12:39
End at: 2018-08-09 01:13:09
Local clock offset: -8.416 ms
Remote clock offset: -3.106 ms


# Below is generated by plot.py at 2018-08-09 04:18:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.603 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.603 ms
Loss rate: 0.01%
```

Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.58 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

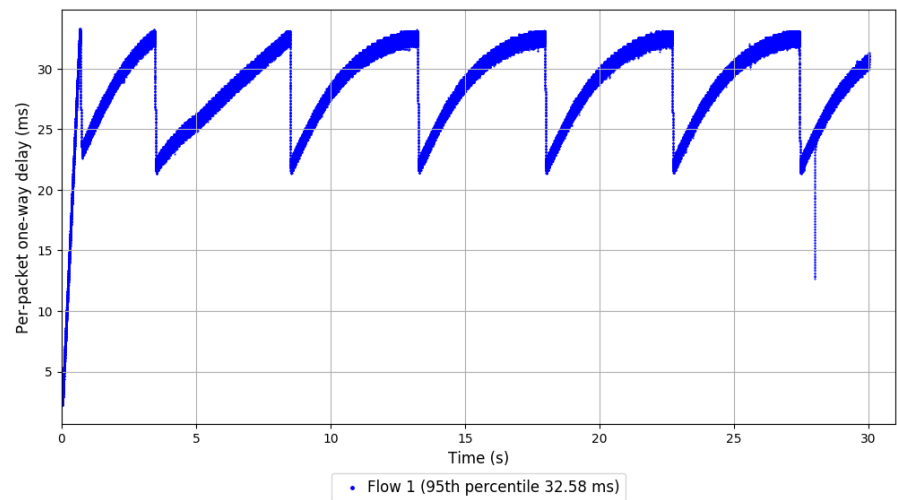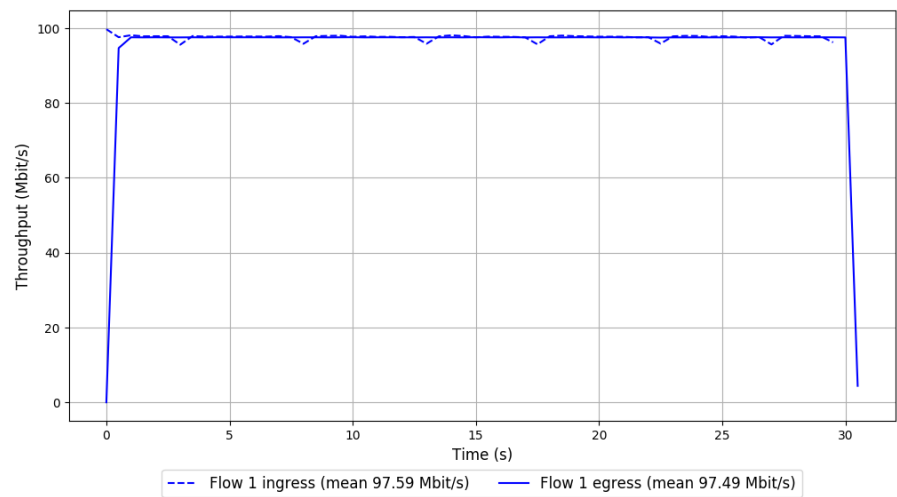• Flow 1 (95th percentile 32.60 ms)

```
Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 01:31:41
End at: 2018-08-09 01:32:11
Local clock offset: -7.227 ms
Remote clock offset: -2.088 ms


# Below is generated by plot.py at 2018-08-09 04:18:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.01%
```

Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.59 Mbit/s) ----   Flow 1 egress (mean 97.49 Mbit/s) ——
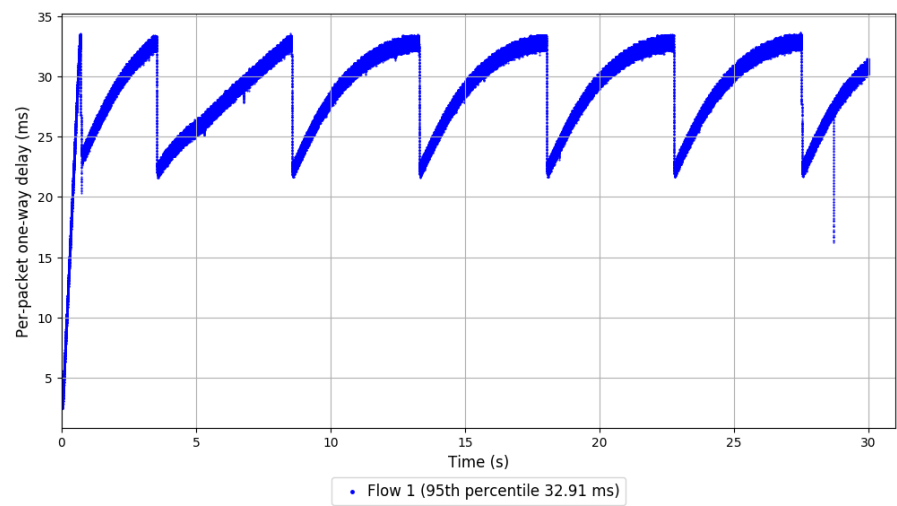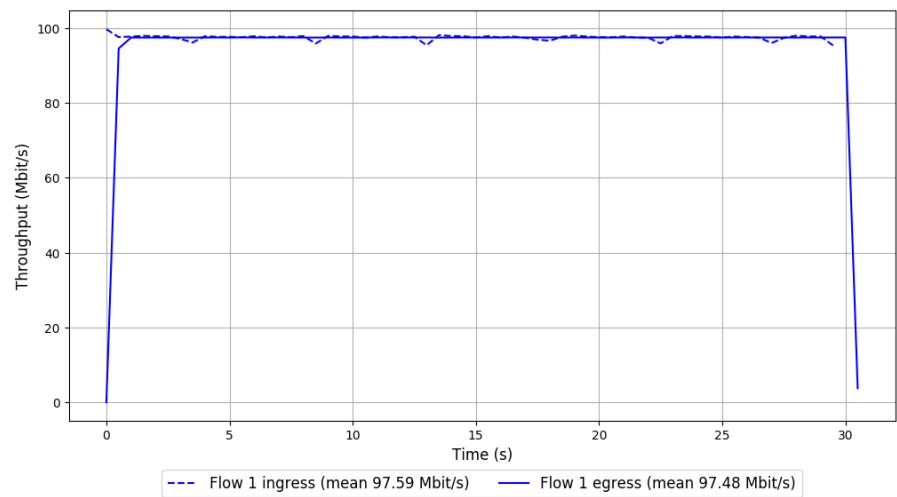

Flow 1 (95th percentile 32.58 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 01:50:43
End at: 2018-08-09 01:51:13
Local clock offset: -5.065 ms
Remote clock offset: -1.582 ms


# Below is generated by plot.py at 2018-08-09 04:18:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.909 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.909 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.59 Mbit/s) --- Flow 1 egress (mean 97.48 Mbit/s)
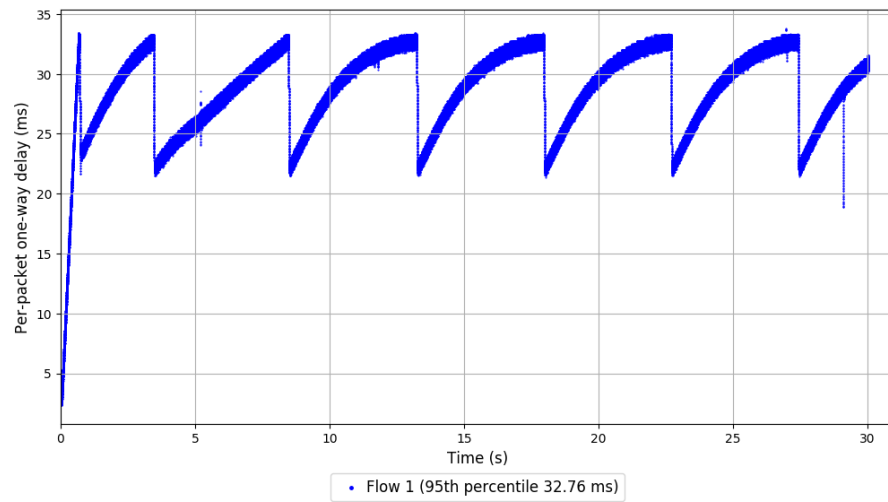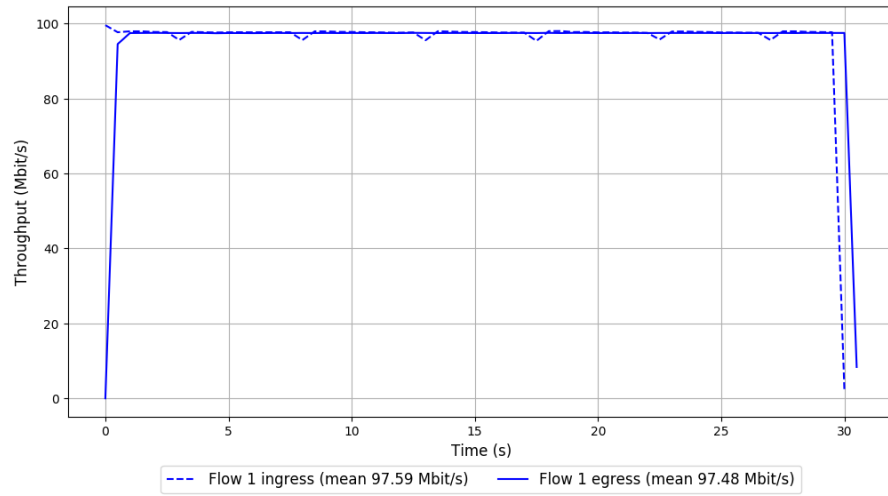

Flow 1 (95th percentile 32.91 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 02:09:45
End at: 2018-08-09 02:10:15
Local clock offset: -1.793 ms
Remote clock offset: -1.117 ms


# Below is generated by plot.py at 2018-08-09 04:18:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.763 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.763 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.59 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

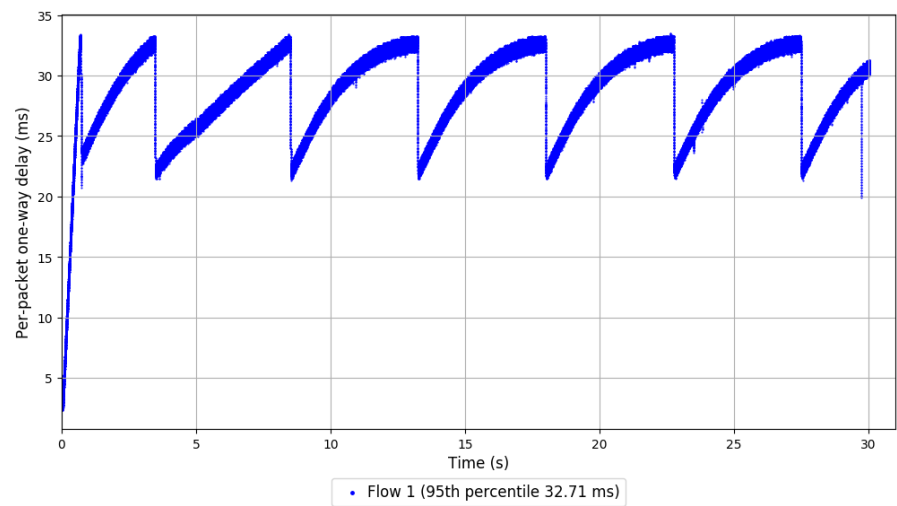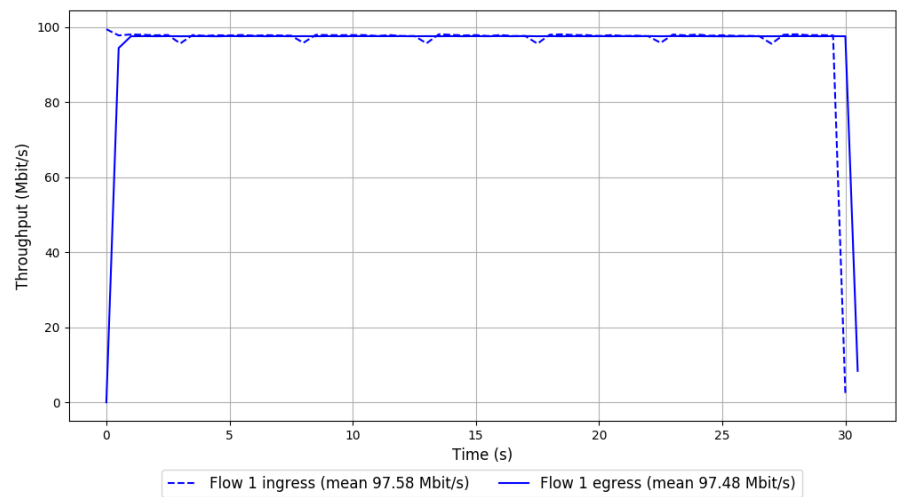Flow 1 (95th percentile 32.76 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 02:28:47
End at: 2018-08-09 02:29:17
Local clock offset: -1.973 ms
Remote clock offset: -1.276 ms


# Below is generated by plot.py at 2018-08-09 04:18:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.711 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.711 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.58 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

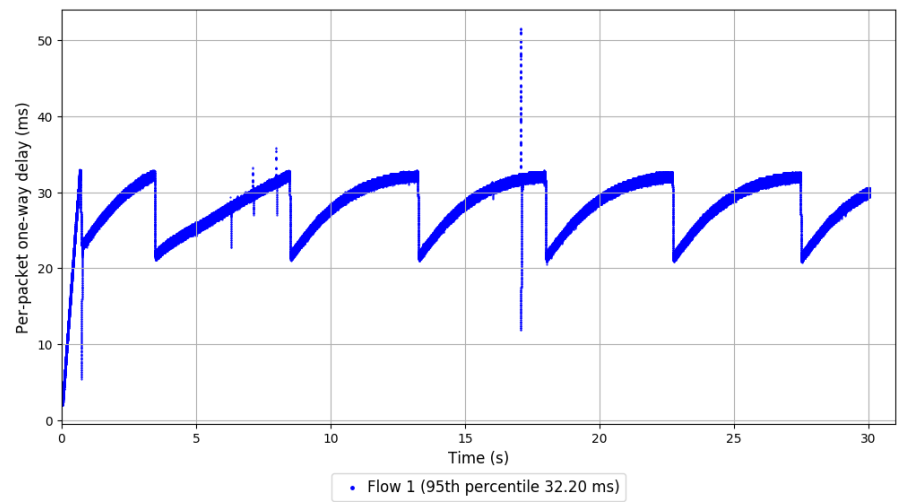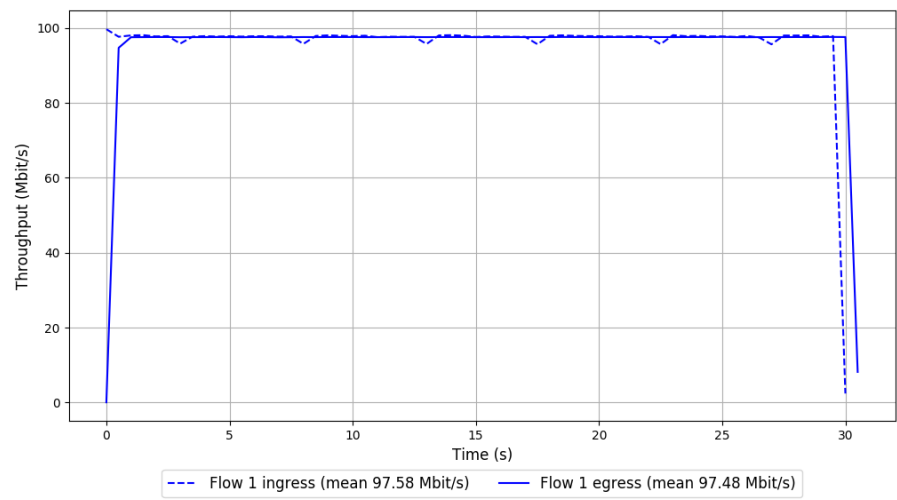Flow 1 (95th percentile 32.71 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 02:47:49
End at: 2018-08-09 02:48:19
Local clock offset: -3.021 ms
Remote clock offset: -2.072 ms


# Below is generated by plot.py at 2018-08-09 04:18:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.197 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.197 ms
Loss rate: 0.01%
```
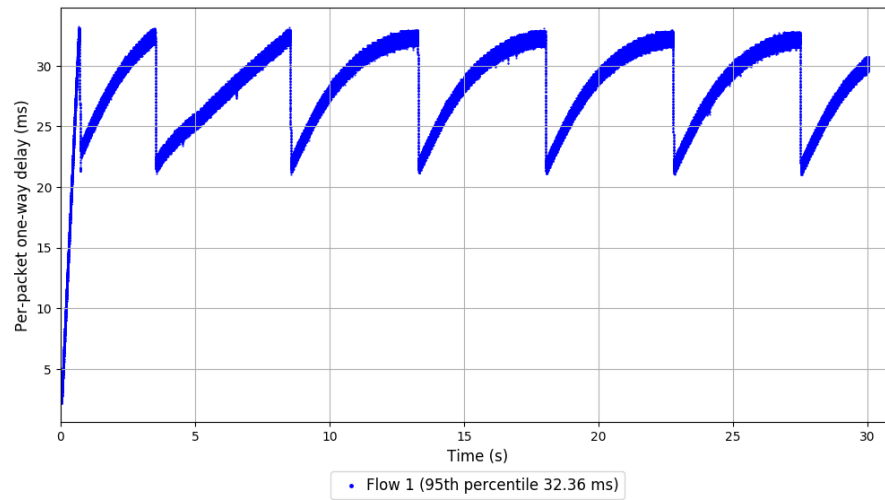
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.58 Mbit/s) ---- Flow 1 egress (mean 97.48 Mbit/s)

• Flow 1 (95th percentile 32.20 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 03:06:50
End at: 2018-08-09 03:07:21
Local clock offset: -8.318 ms
Remote clock offset: 3.955 ms


# Below is generated by plot.py at 2018-08-09 04:18:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.359 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.359 ms
Loss rate: 0.01%
```
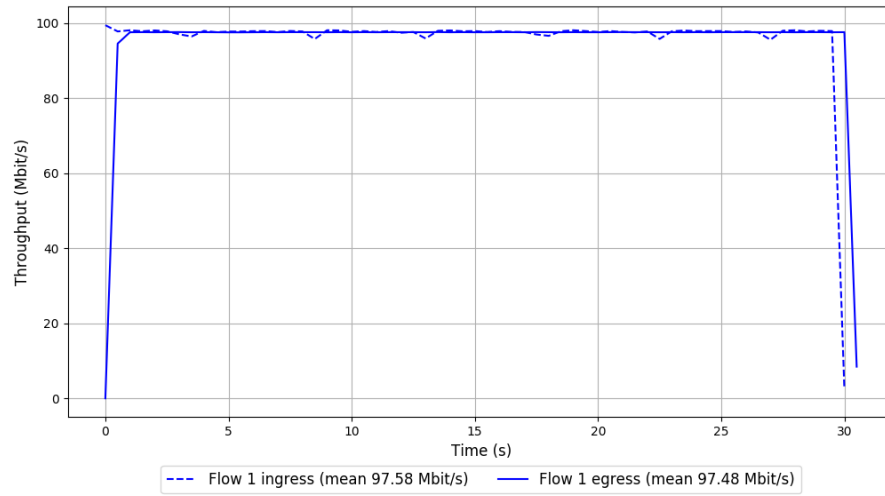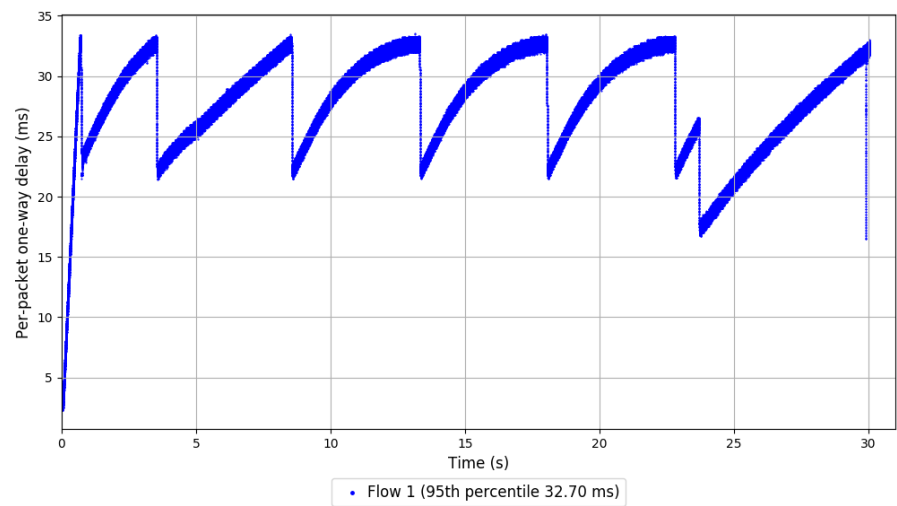
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.58 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

Flow 1 (95th percentile 32.36 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 03:25:53
End at: 2018-08-09 03:26:23
Local clock offset: -3.686 ms
Remote clock offset: 9.535 ms


# Below is generated by plot.py at 2018-08-09 04:18:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.703 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.703 ms
Loss rate: 0.01%
```
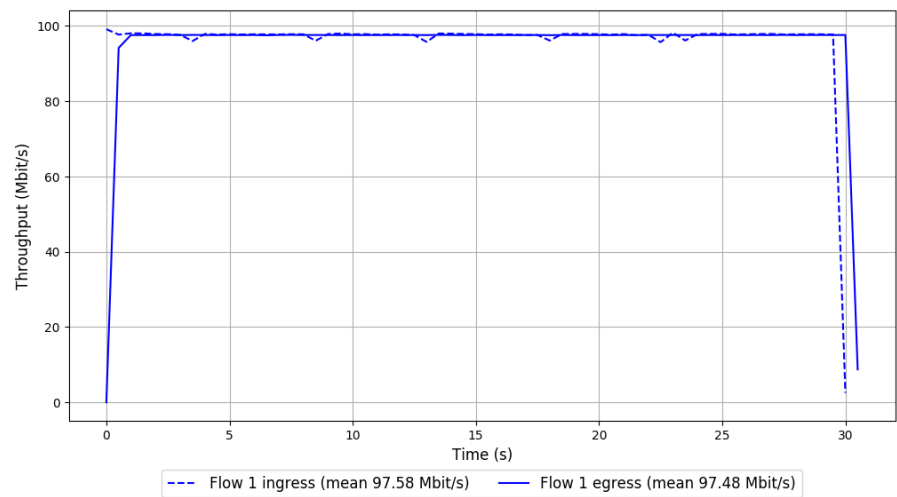
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.58 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

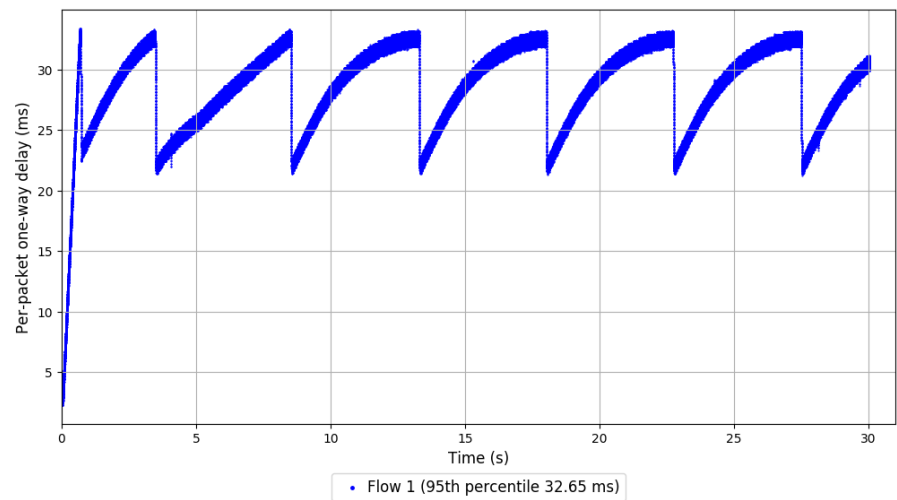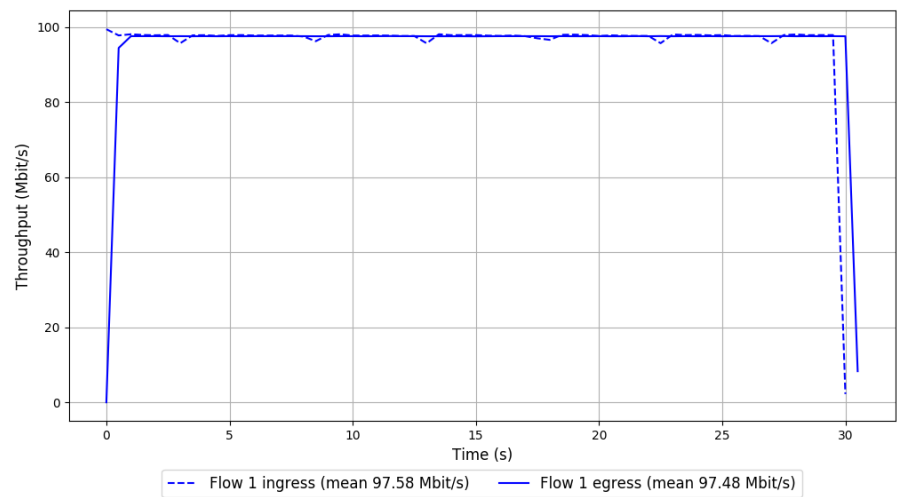Flow 1 (95th percentile 32.70 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 03:44:55
End at: 2018-08-09 03:45:25
Local clock offset: -0.789 ms
Remote clock offset: 12.258 ms


# Below is generated by plot.py at 2018-08-09 04:18:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.645 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.645 ms
Loss rate: 0.01%
```
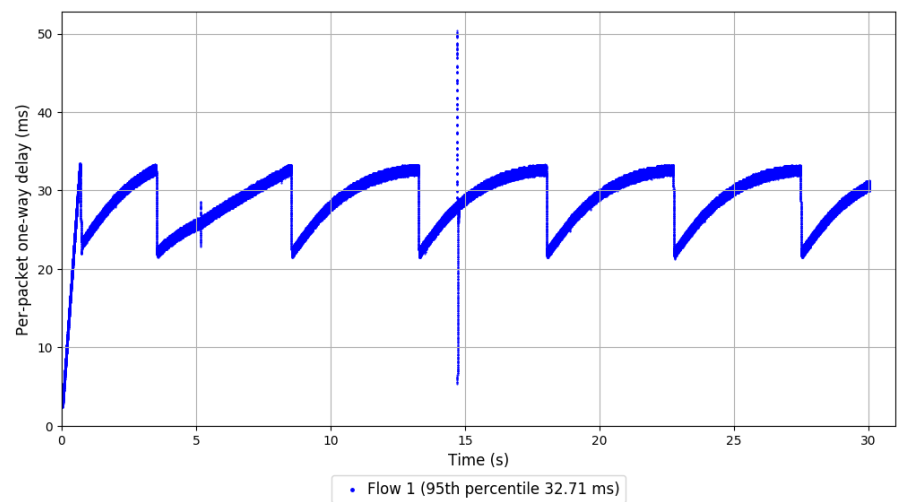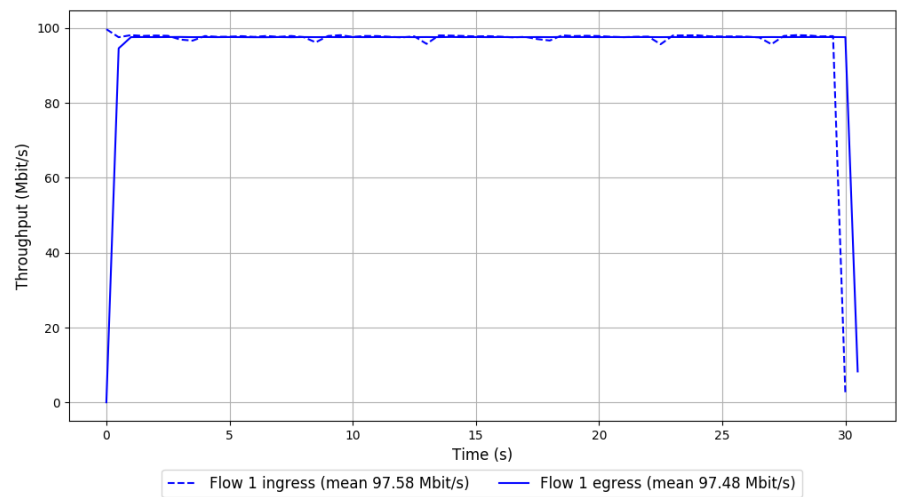
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.58 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

Flow 1 (95th percentile 32.65 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 04:03:56
End at: 2018-08-09 04:04:27
Local clock offset: -2.143 ms
Remote clock offset: 14.738 ms


# Below is generated by plot.py at 2018-08-09 04:18:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.710 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.710 ms
Loss rate: 0.01%
```
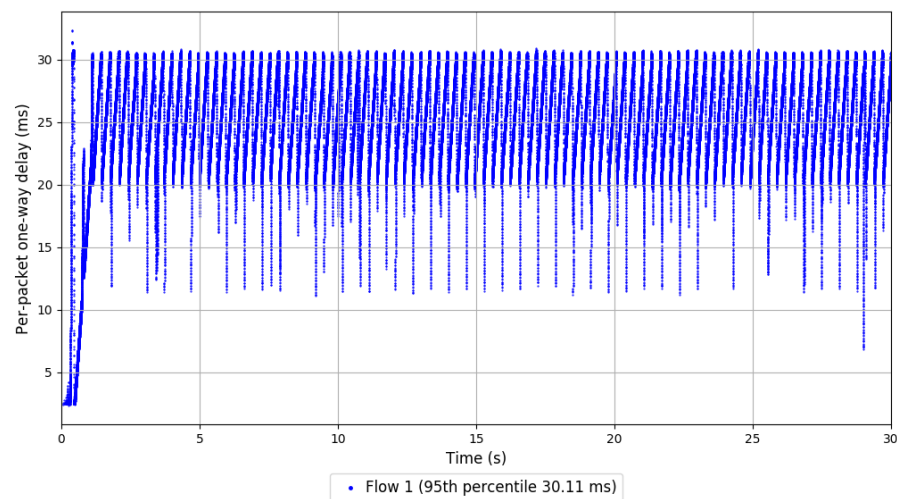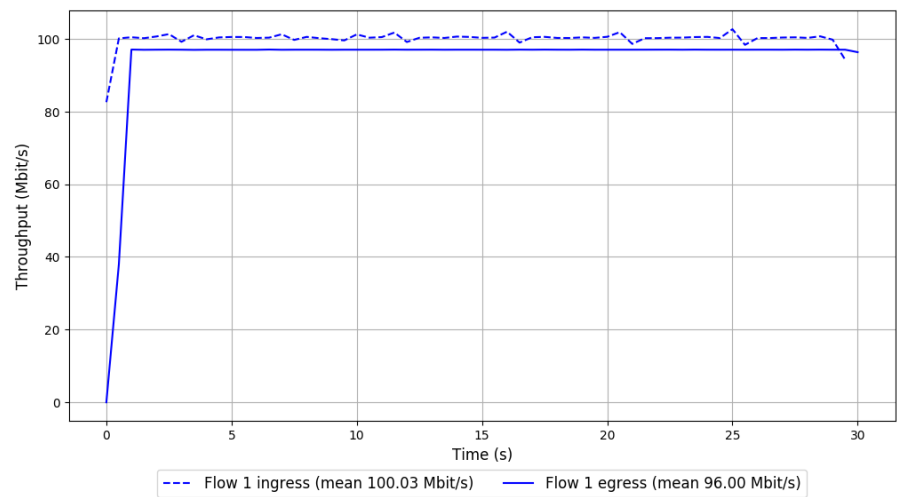
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.58 Mbit/s)   Flow 1 egress (mean 97.48 Mbit/s)

Flow 1 (95th percentile 32.71 ms)

```
Run 1: Statistics of FillP

Start at: 2018-08-09 01:00:24
End at: 2018-08-09 01:00:54
Local clock offset: -9.573 ms
Remote clock offset: -2.94 ms

# Below is generated by plot.py at 2018-08-09 04:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 30.109 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 30.109 ms
Loss rate: 3.94%
```

Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 100.03 Mbit/s)   Flow 1 egress (mean 96.00 Mbit/s)

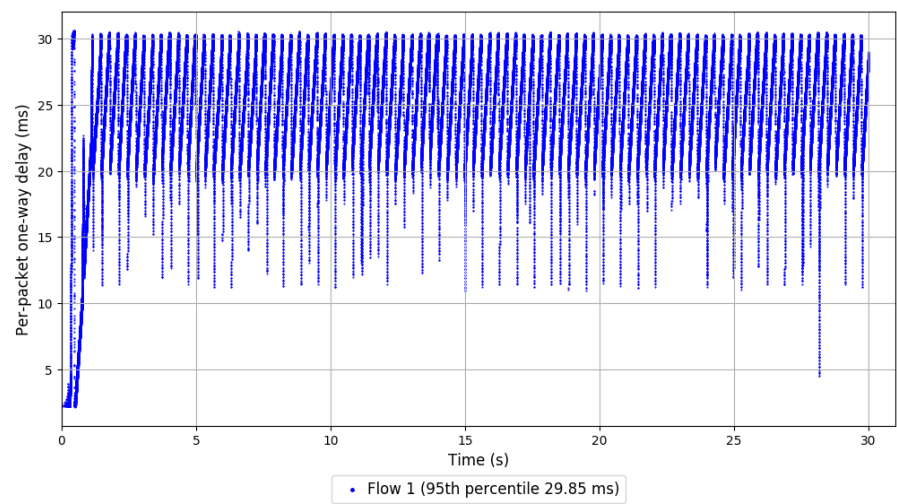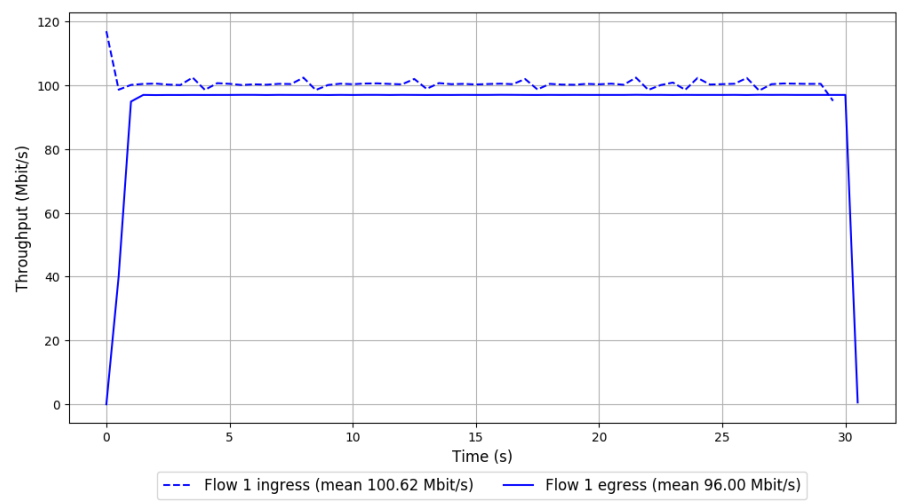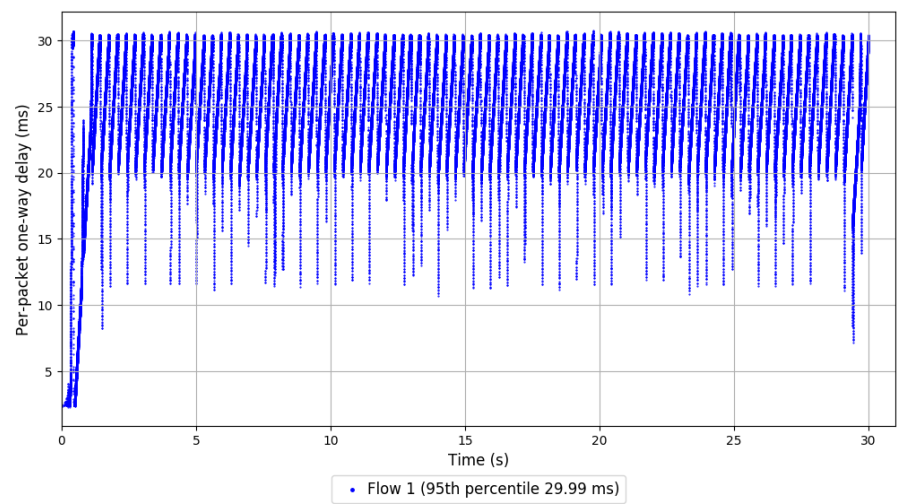· Flow 1 (95th percentile 30.11 ms)

```
Run 2: Statistics of FillP

Start at: 2018-08-09 01:19:23
End at: 2018-08-09 01:19:53
Local clock offset: -7.9 ms
Remote clock offset: -2.858 ms


# Below is generated by plot.py at 2018-08-09 04:19:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.854 ms
Loss rate: 4.51%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.854 ms
Loss rate: 4.51%
```

Run 2: Report of FillP — Data Link

Flow 1 ingress (mean 100.62 Mbit/s) — — — Flow 1 egress (mean 96.00 Mbit/s)

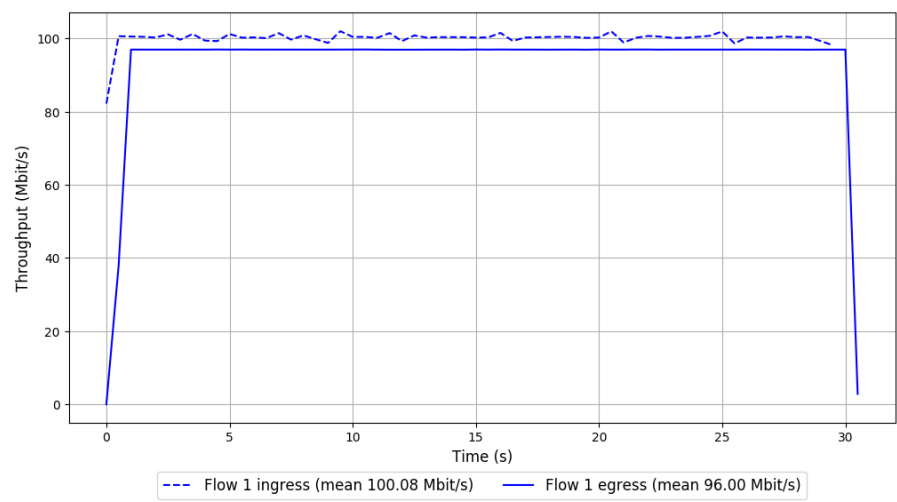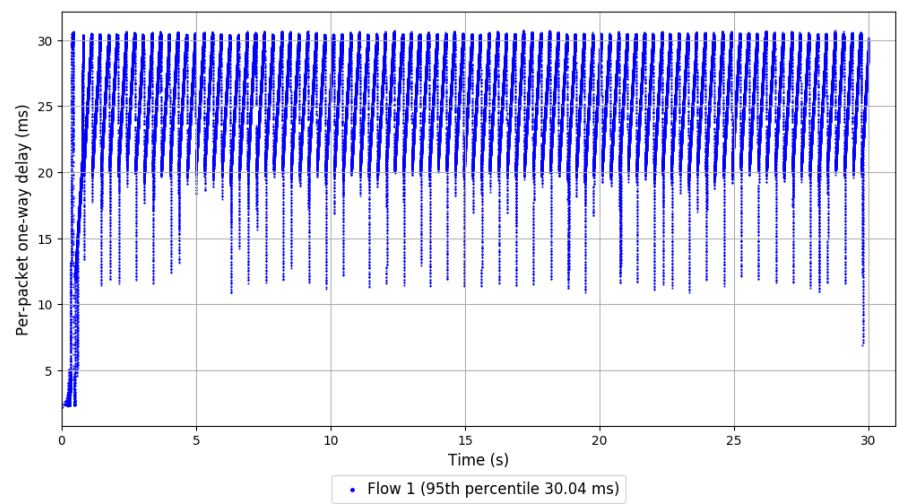Flow 1 (95th percentile 29.85 ms)

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```
Run 3: Statistics of FillP

Start at: 2018-08-09 01:38:25
End at: 2018-08-09 01:38:55
Local clock offset: -7.199 ms
Remote clock offset: -1.782 ms


# Below is generated by plot.py at 2018-08-09 04:20:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 3.98%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 3.98%
```

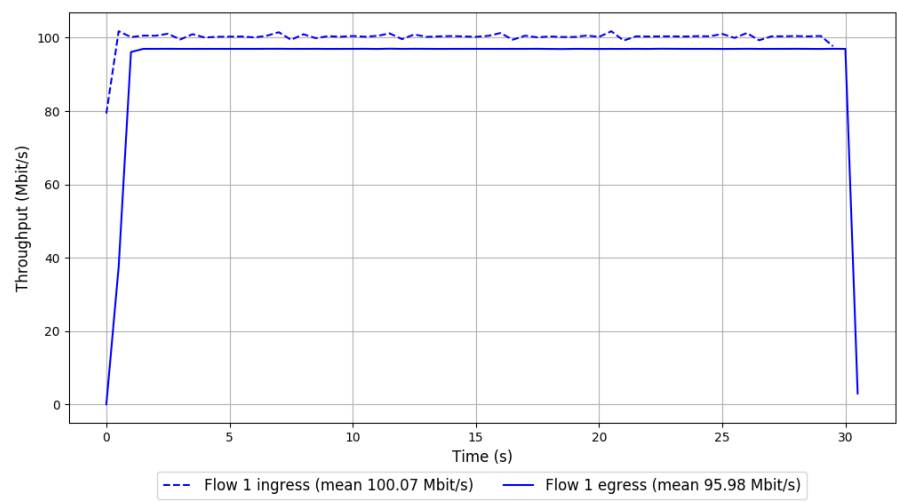Run 3: Report of FillP — Data Link

```
Run 4: Statistics of FillP

Start at: 2018-08-09 01:57:27
End at: 2018-08-09 01:57:57
Local clock offset: -3.292 ms
Remote clock offset: -1.399 ms


# Below is generated by plot.py at 2018-08-09 04:20:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 30.035 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 30.035 ms
Loss rate: 4.00%
```

Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 100.07 Mbit/s) --- Flow 1 egress (mean 95.98 Mbit/s)

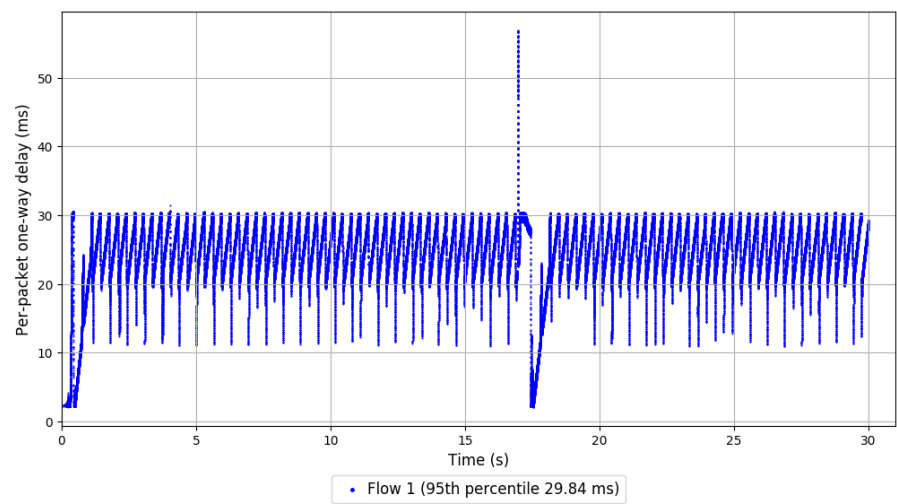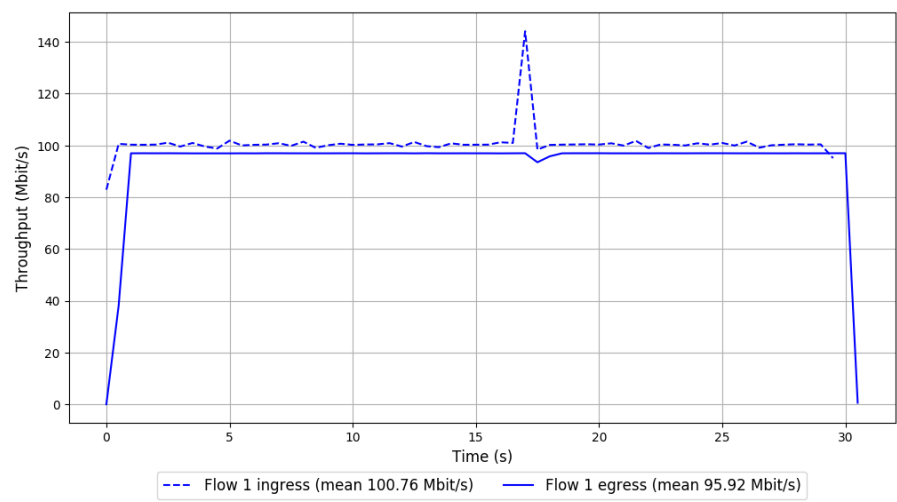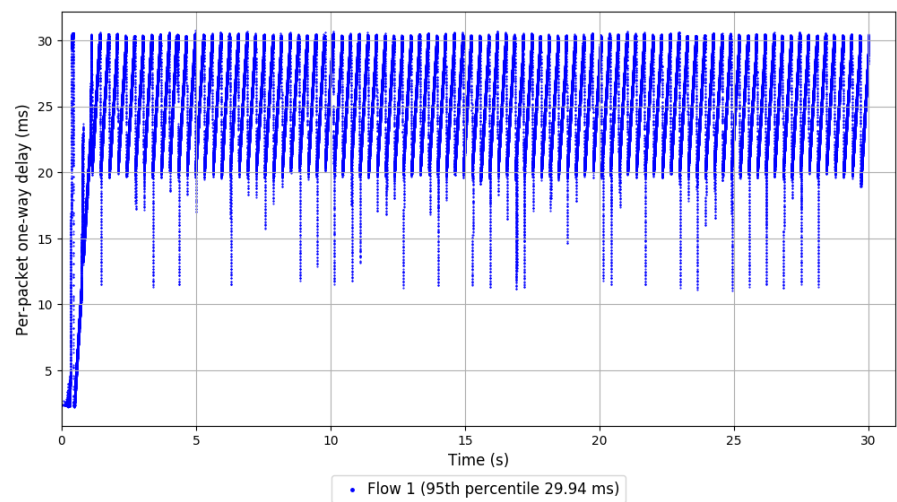Flow 1 (95th percentile 30.04 ms)

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```
Run 5: Statistics of FillP

Start at: 2018-08-09 02:16:29
End at: 2018-08-09 02:16:59
Local clock offset: -1.405 ms
Remote clock offset: -1.071 ms


# Below is generated by plot.py at 2018-08-09 04:20:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 29.835 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 29.835 ms
Loss rate: 4.72%
```

Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 100.76 Mbit/s) --- Flow 1 egress (mean 95.92 Mbit/s)

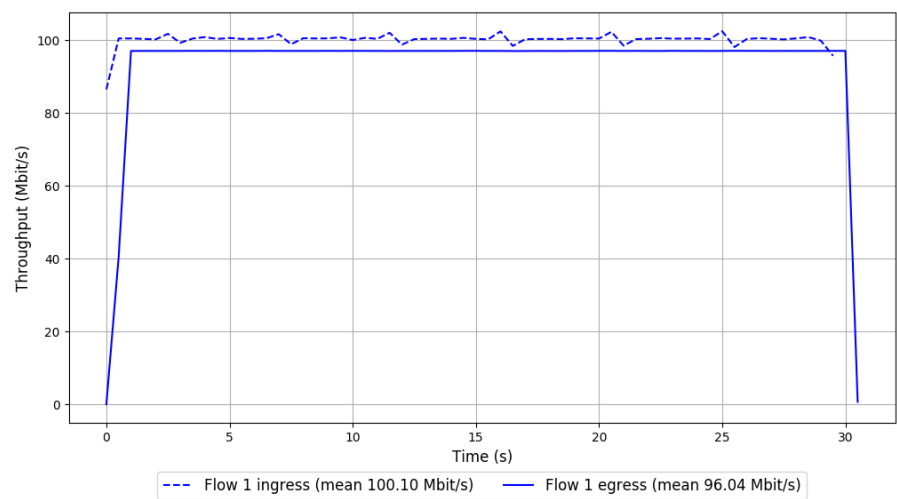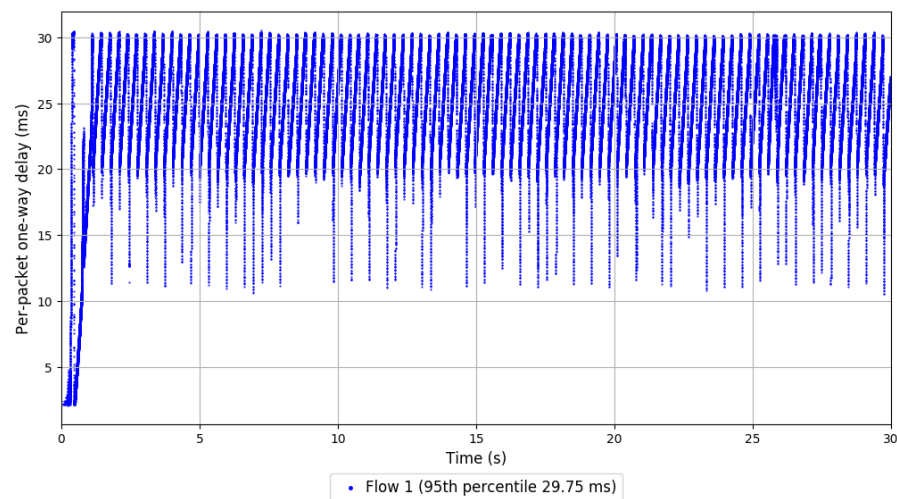Flow 1 (95th percentile 29.84 ms)

```
Run 6: Statistics of FillP

Start at: 2018-08-09 02:35:31
End at: 2018-08-09 02:36:01
Local clock offset: -1.998 ms
Remote clock offset: -1.793 ms


# Below is generated by plot.py at 2018-08-09 04:20:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 29.939 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 29.939 ms
Loss rate: 3.97%
```

Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 100.10 Mbit/s) — — — Flow 1 egress (mean 96.04 Mbit/s)

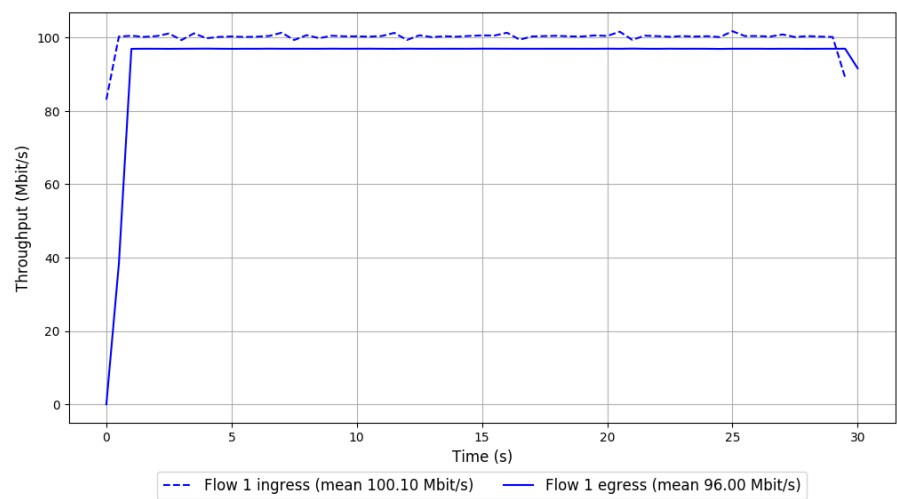Flow 1 (95th percentile 29.94 ms)

```
Run 7: Statistics of FillP

Start at: 2018-08-09 02:54:33
End at: 2018-08-09 02:55:03
Local clock offset: -5.988 ms
Remote clock offset: -2.055 ms


# Below is generated by plot.py at 2018-08-09 04:20:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.752 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.752 ms
Loss rate: 4.02%
```
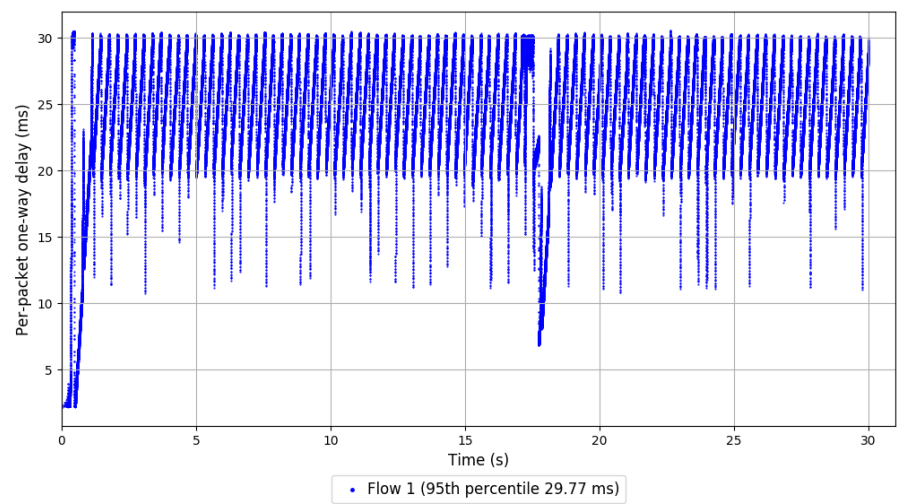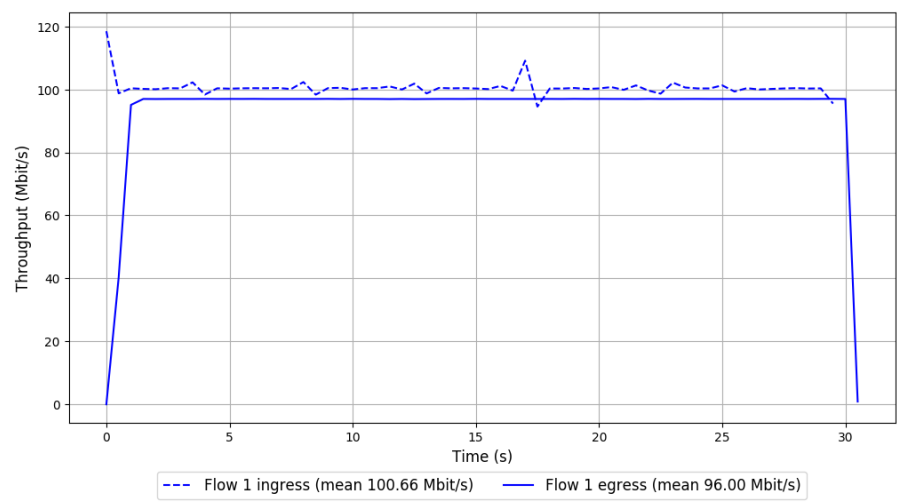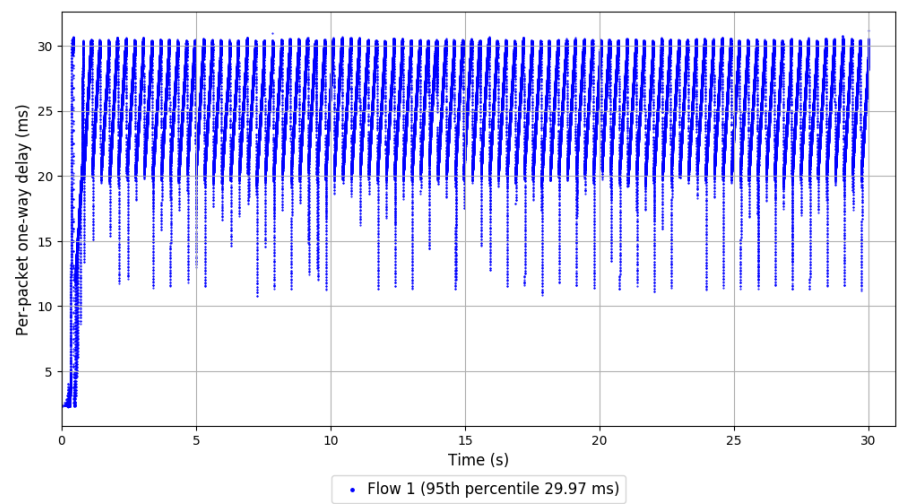
Run 7: Report of FillP — Data Link

```
Run 8: Statistics of FillP

Start at: 2018-08-09 03:13:34
End at: 2018-08-09 03:14:04
Local clock offset: -8.981 ms
Remote clock offset: 6.792 ms


# Below is generated by plot.py at 2018-08-09 04:20:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.775 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.775 ms
Loss rate: 4.53%
```

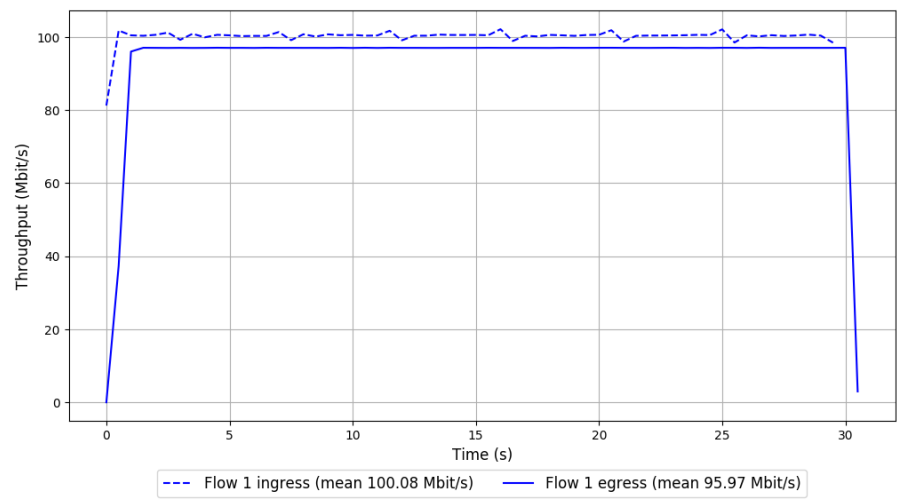Run 8: Report of FillP — Data Link

```
Run 9: Statistics of FillP

Start at: 2018-08-09 03:32:37
End at: 2018-08-09 03:33:07
Local clock offset: -2.176 ms
Remote clock offset: 10.622 ms


# Below is generated by plot.py at 2018-08-09 04:21:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 29.972 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 29.972 ms
Loss rate: 4.02%
```

Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 100.08 Mbit/s)   Flow 1 egress (mean 95.97 Mbit/s)

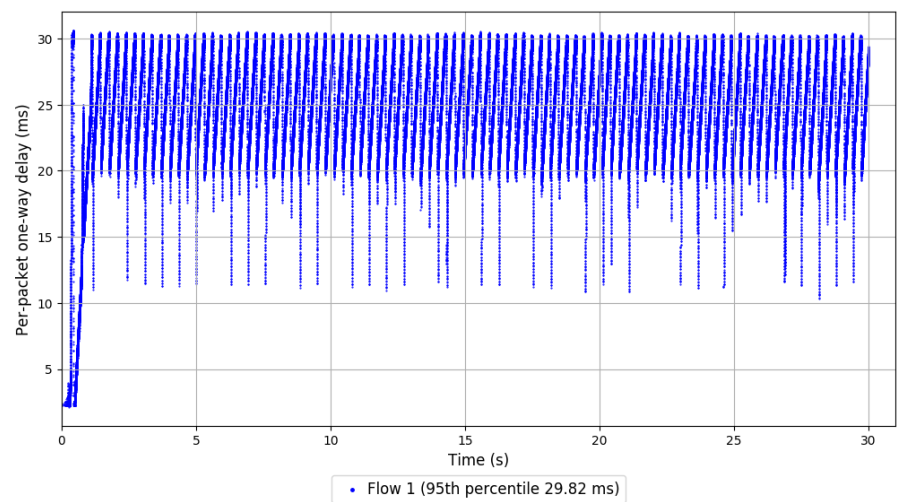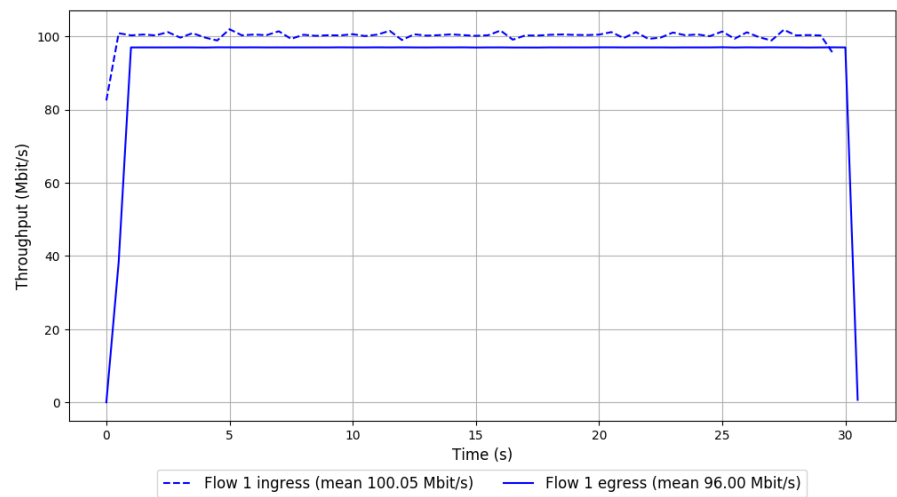Flow 1 (95th percentile 29.97 ms)

```
Run 10: Statistics of FillP

Start at: 2018-08-09 03:51:39
End at: 2018-08-09 03:52:09
Local clock offset: -1.601 ms
Remote clock offset: 13.158 ms


# Below is generated by plot.py at 2018-08-09 04:21:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.816 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.816 ms
Loss rate: 3.95%
```
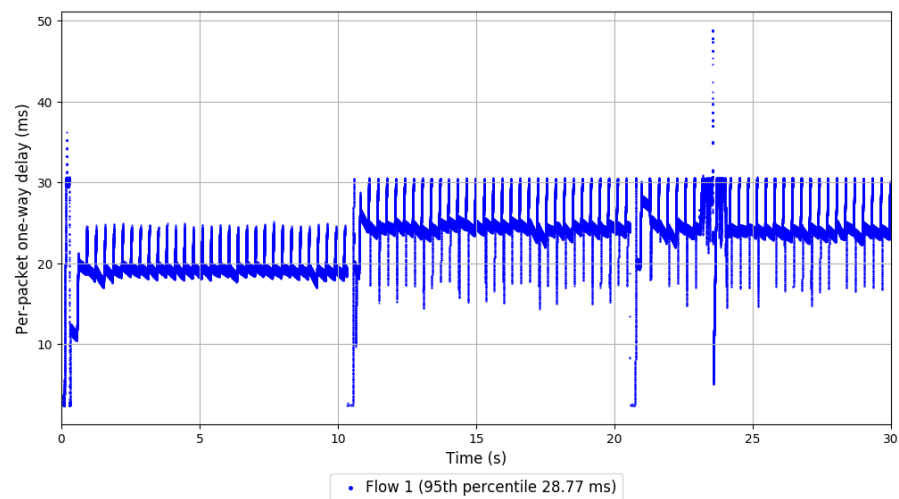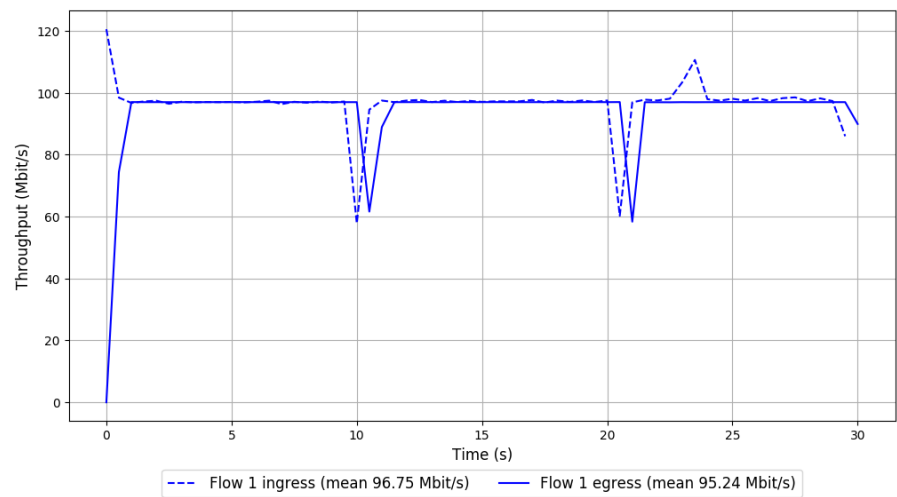
Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 100.05 Mbit/s) --- Flow 1 egress (mean 96.00 Mbit/s)

Flow 1 (95th percentile 29.82 ms)

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```
Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 01:08:09
End at: 2018-08-09 01:08:39
Local clock offset: -8.682 ms
Remote clock offset: -2.982 ms


# Below is generated by plot.py at 2018-08-09 04:21:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 28.768 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 28.768 ms
Loss rate: 1.47%
```

Run 1: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 96.75 Mbit/s)   Flow 1 egress (mean 95.24 Mbit/s)
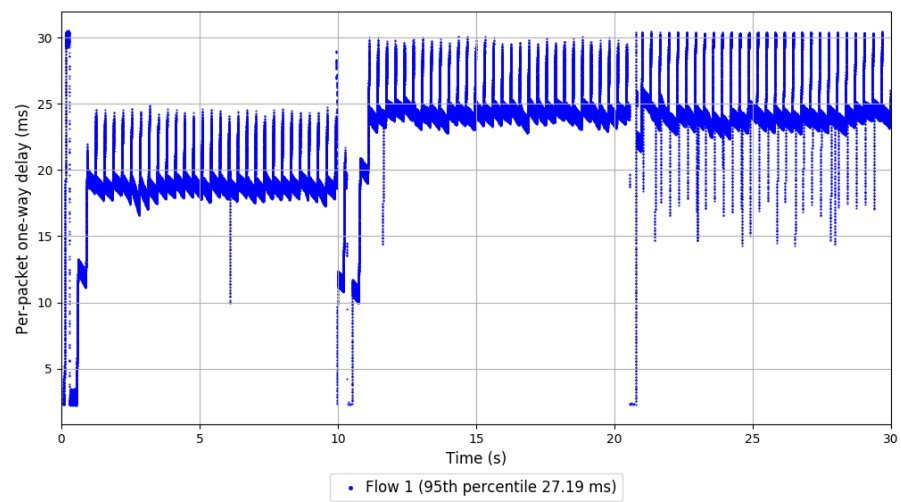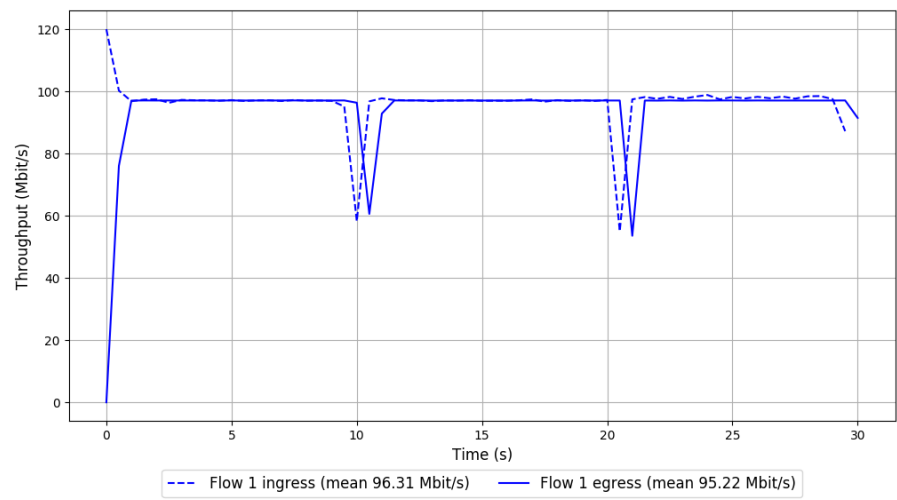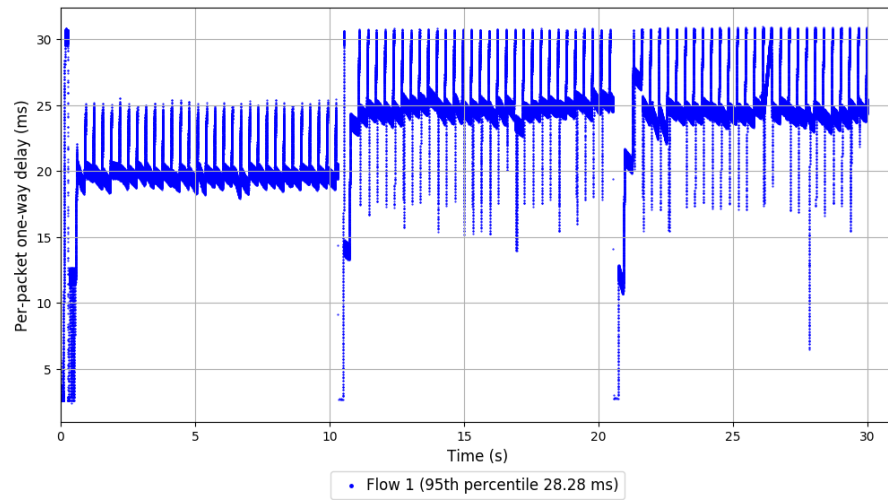

Flow 1 (95th percentile 28.77 ms)

```
Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 01:27:11
End at: 2018-08-09 01:27:41
Local clock offset: -7.352 ms
Remote clock offset: -2.196 ms


# Below is generated by plot.py at 2018-08-09 04:21:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 27.189 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 27.189 ms
Loss rate: 1.06%
```

Run 2: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 96.31 Mbit/s)   Flow 1 egress (mean 95.22 Mbit/s)
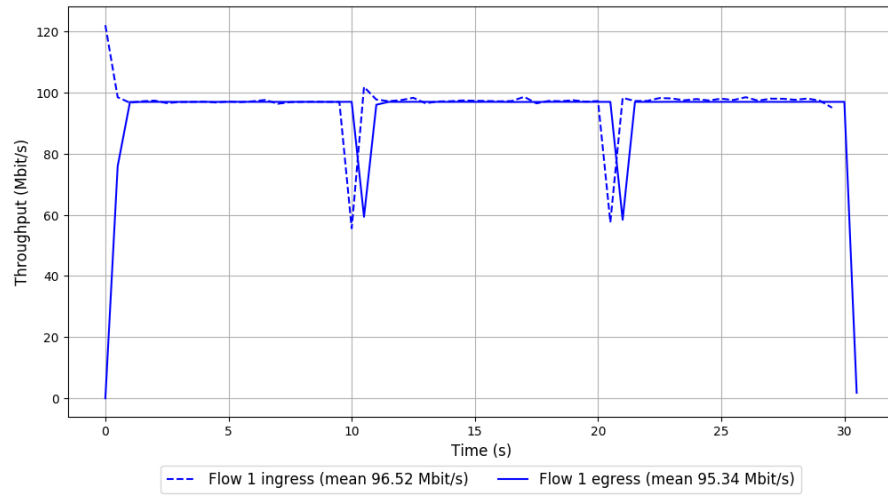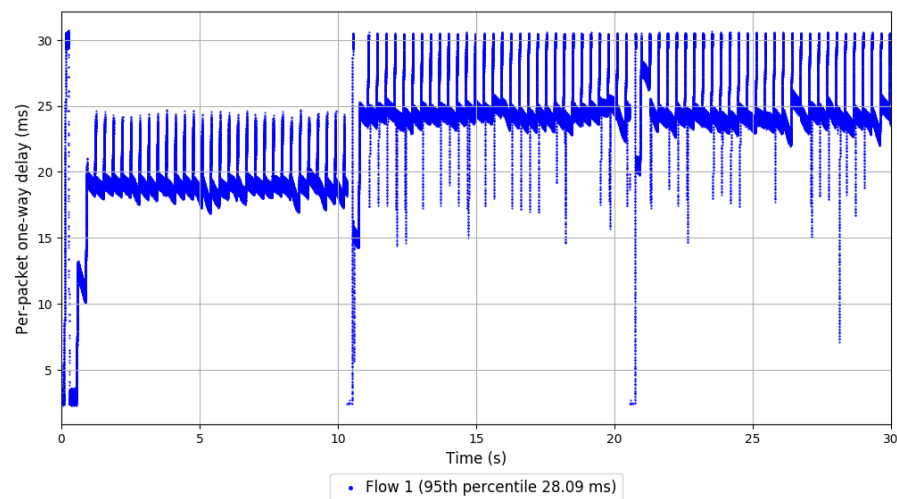

Flow 1 (95th percentile 27.19 ms)

```
Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 01:46:13
End at: 2018-08-09 01:46:43
Local clock offset: -6.972 ms
Remote clock offset: -1.584 ms


# Below is generated by plot.py at 2018-08-09 04:21:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 28.283 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 28.283 ms
Loss rate: 1.14%
```

Run 3: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 96.52 Mbit/s)   Flow 1 egress (mean 95.34 Mbit/s)
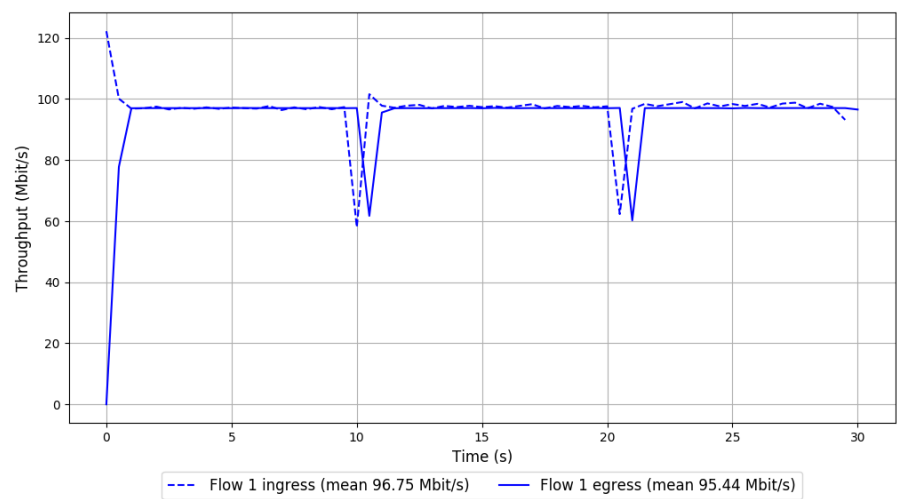

Flow 1 (95th percentile 28.28 ms)

```
Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 02:05:15
End at: 2018-08-09 02:05:45
Local clock offset: -2.291 ms
Remote clock offset: -1.265 ms


# Below is generated by plot.py at 2018-08-09 04:21:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 28.095 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 28.095 ms
Loss rate: 1.28%
```

Run 4: Report of FillP-Sheep — Data Link

```
Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 02:24:17
End at: 2018-08-09 02:24:47
Local clock offset: -1.896 ms
Remote clock offset: -0.963 ms


# Below is generated by plot.py at 2018-08-09 04:21:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 27.653 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 27.653 ms
Loss rate: 1.14%
```
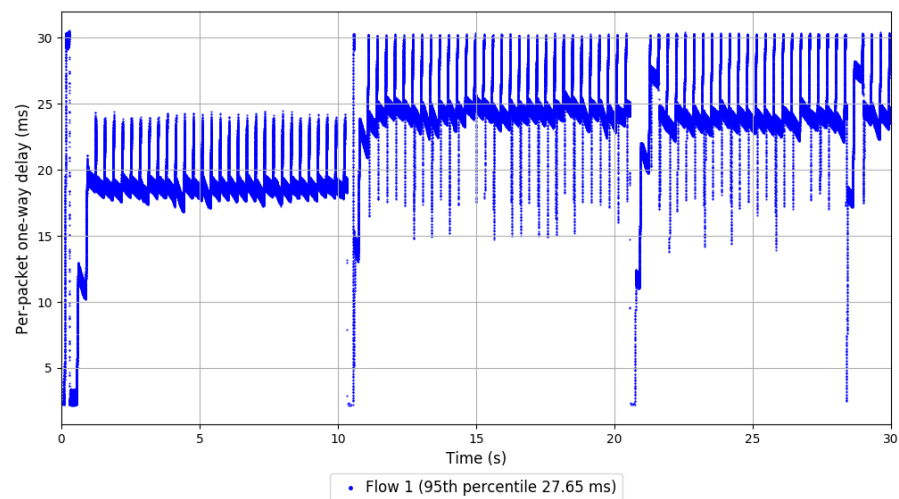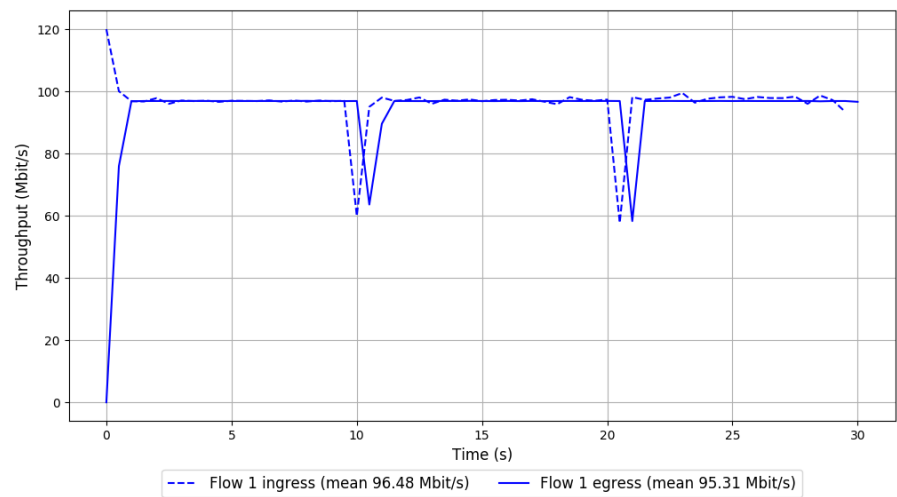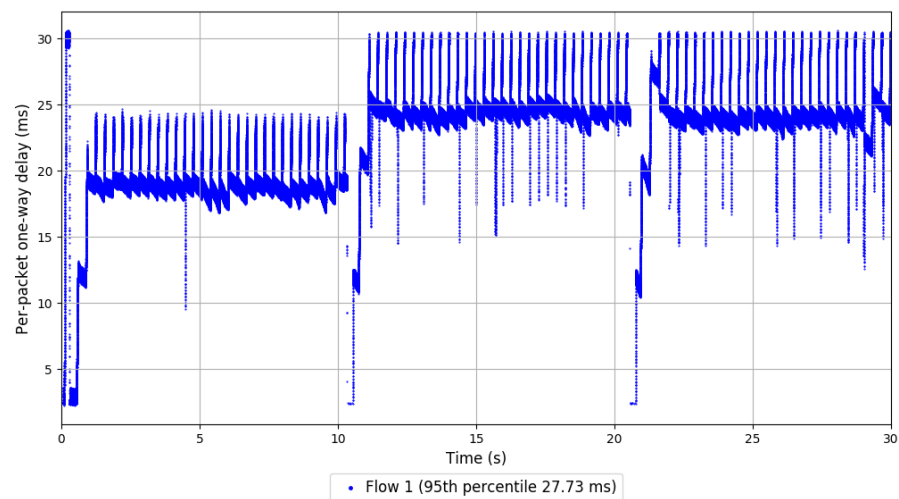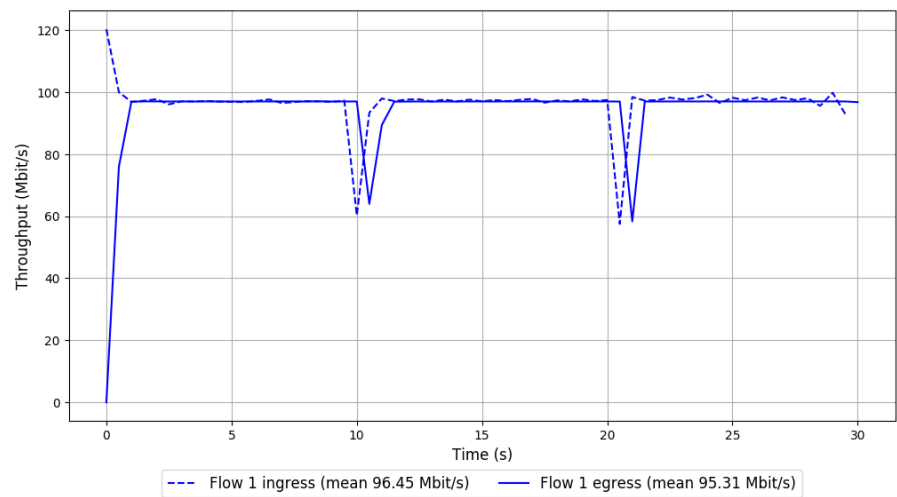
Run 5: Report of FillP-Sheep — Data Link

```
Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 02:43:19
End at: 2018-08-09 02:43:49
Local clock offset: -1.725 ms
Remote clock offset: -1.868 ms


# Below is generated by plot.py at 2018-08-09 04:21:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 27.725 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 27.725 ms
Loss rate: 1.11%
```
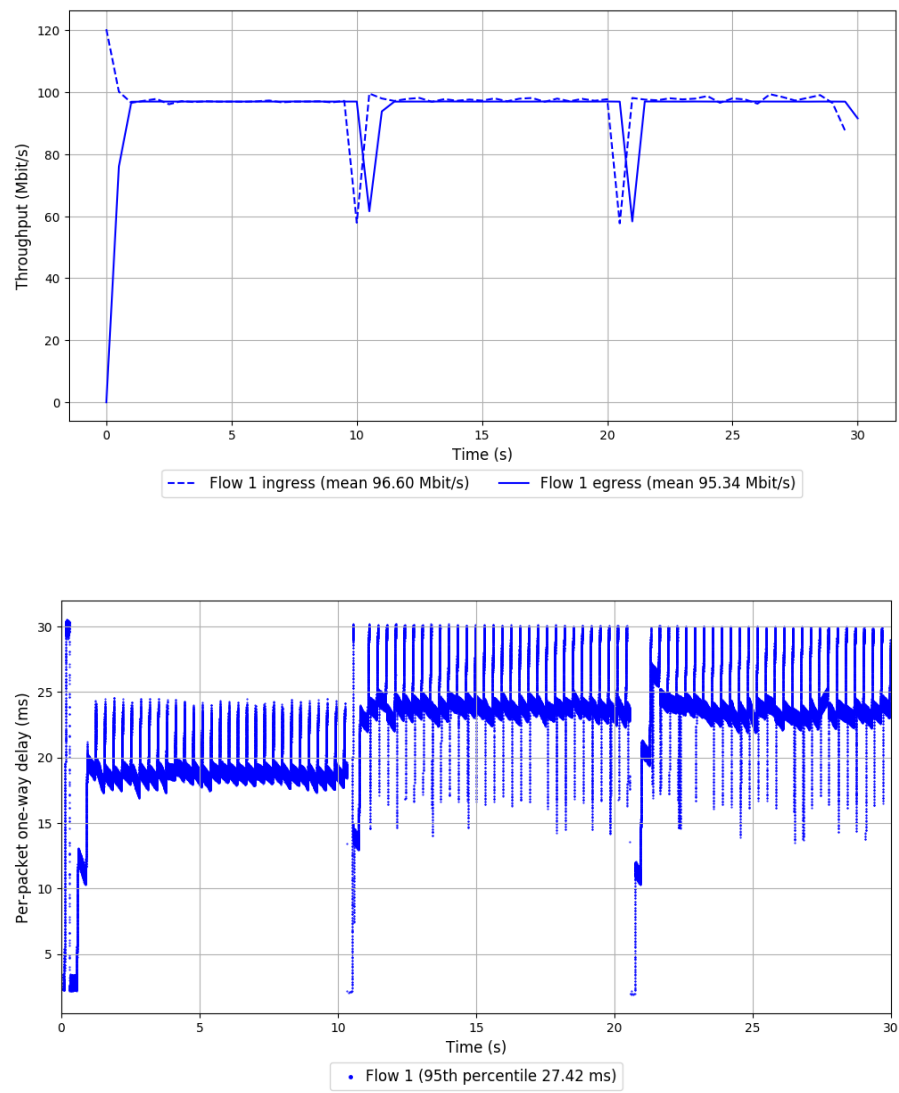
Run 6: Report of FillP-Sheep — Data Link

```
Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 03:02:20
End at: 2018-08-09 03:02:50
Local clock offset: -7.782 ms
Remote clock offset: 0.945 ms


# Below is generated by plot.py at 2018-08-09 04:22:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 27.420 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 27.420 ms
Loss rate: 1.21%
```
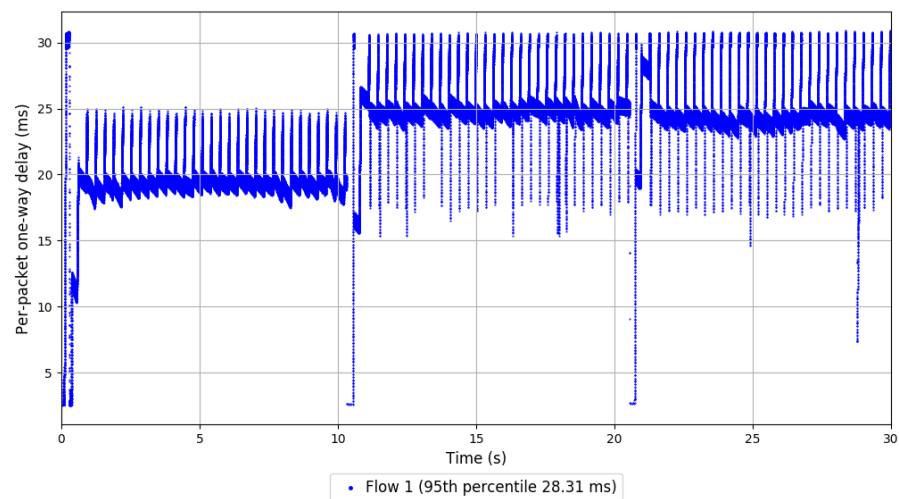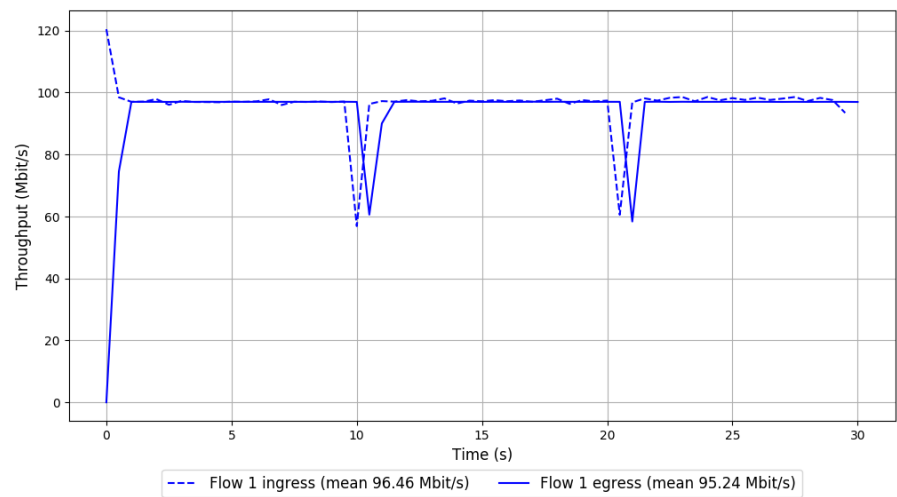
Run 7: Report of FillP-Sheep — Data Link

```
Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 03:21:23
End at: 2018-08-09 03:21:53
Local clock offset: -5.554 ms
Remote clock offset: 8.772 ms


# Below is generated by plot.py at 2018-08-09 04:22:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 28.306 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 28.306 ms
Loss rate: 1.19%
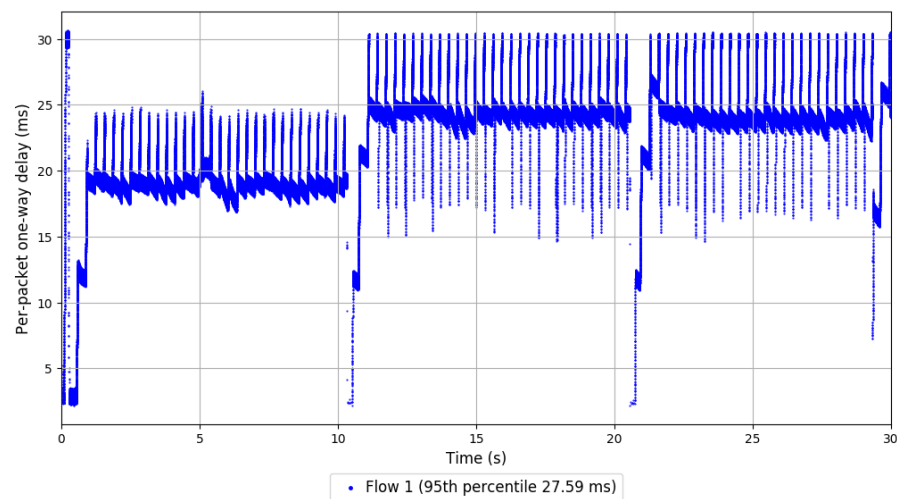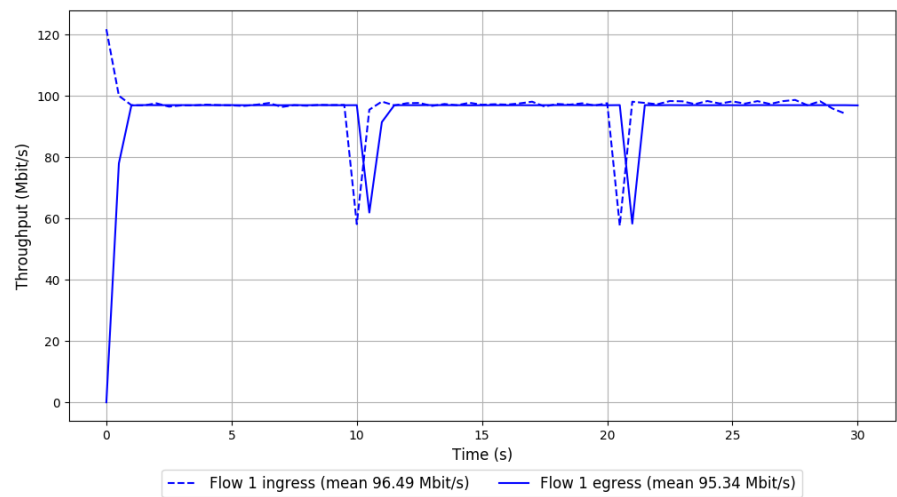```

Run 8: Report of FillP-Sheep — Data Link

```
Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 03:40:25
End at: 2018-08-09 03:40:55
Local clock offset: -1.18 ms
Remote clock offset: 11.731 ms


# Below is generated by plot.py at 2018-08-09 04:22:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 27.592 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 27.592 ms
Loss rate: 1.11%
```

Run 9: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 96.49 Mbit/s)   Flow 1 egress (mean 95.34 Mbit/s)
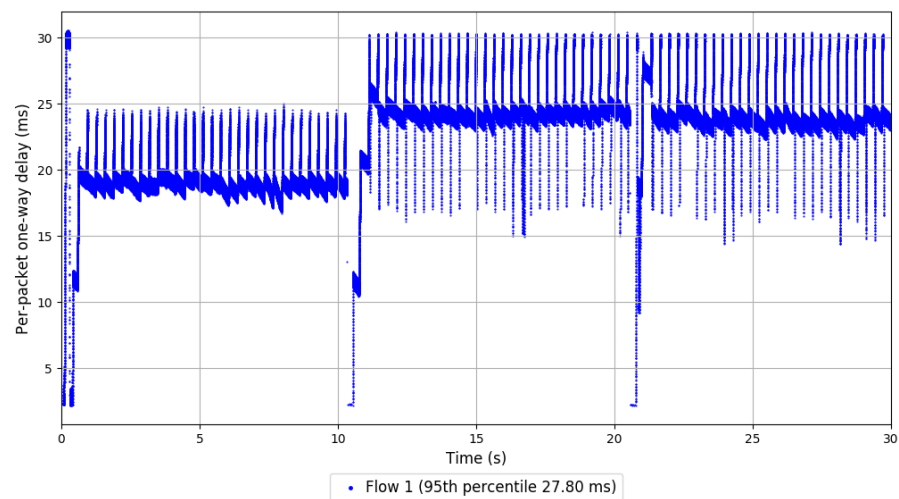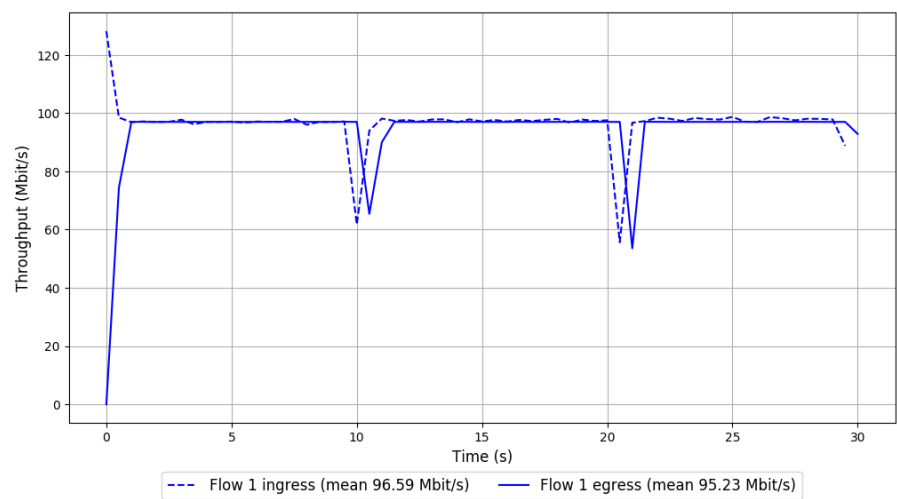

• Flow 1 (95th percentile 27.59 ms)

```
Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 03:59:26
End at: 2018-08-09 03:59:56
Local clock offset: -2.094 ms
Remote clock offset: 14.065 ms


# Below is generated by plot.py at 2018-08-09 04:22:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 27.804 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 27.804 ms
Loss rate: 1.33%
```

Run 10: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 96.59 Mbit/s)   Flow 1 egress (mean 95.23 Mbit/s)
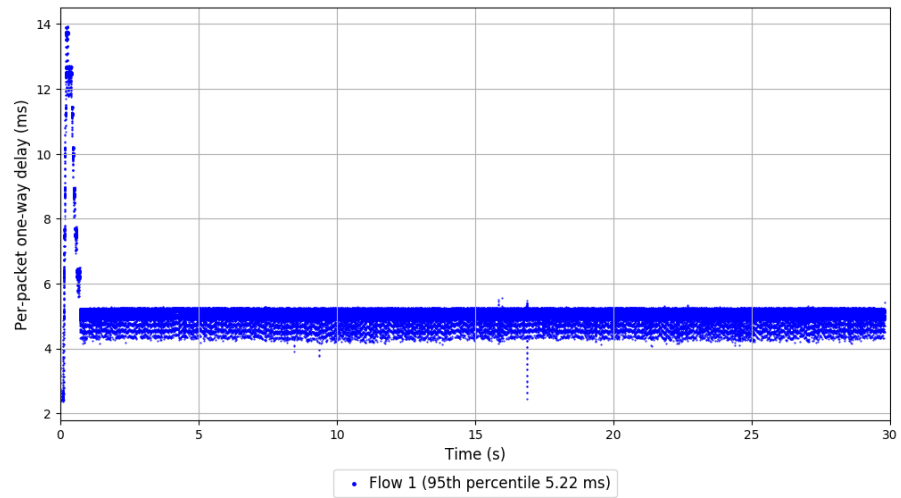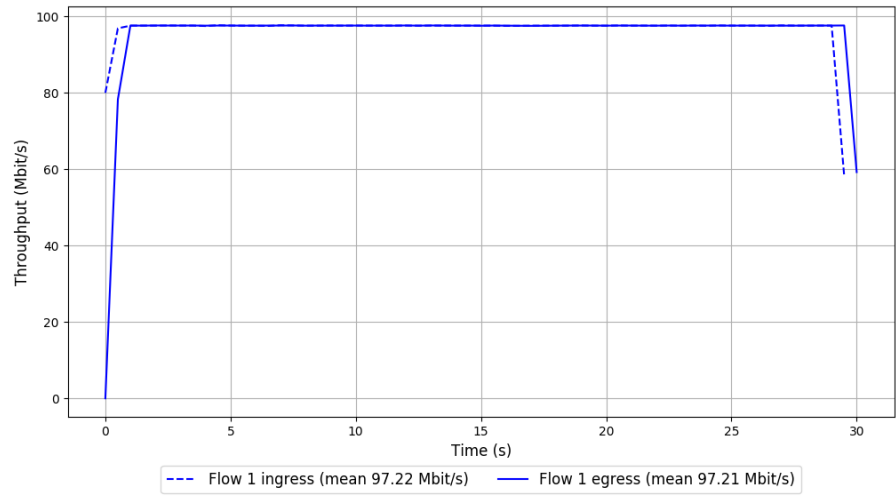

Flow 1 (95th percentile 27.80 ms)

```
Run 1: Statistics of Indigo

Start at: 2018-08-09 01:17:07
End at: 2018-08-09 01:17:37
Local clock offset: -8.182 ms
Remote clock offset: -2.951 ms


# Below is generated by plot.py at 2018-08-09 04:22:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 5.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 5.220 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

Flow 1 ingress (mean 97.22 Mbit/s) --- Flow 1 egress (mean 97.21 Mbit/s)

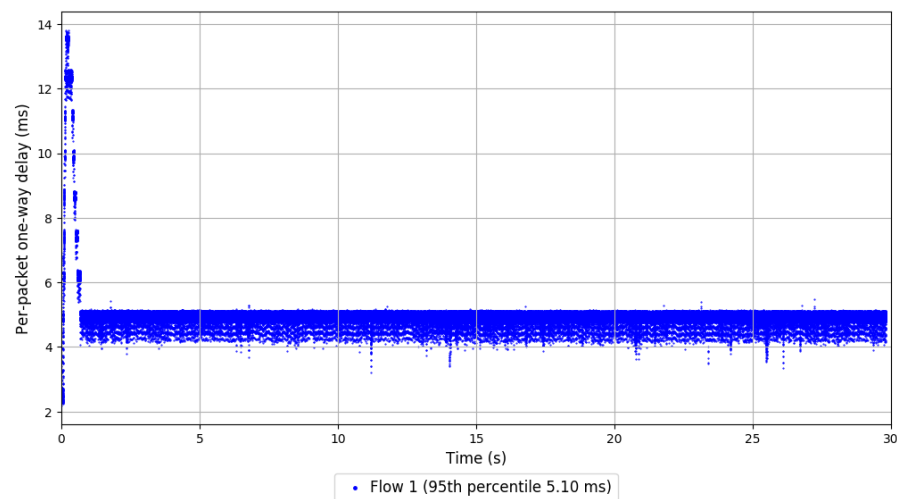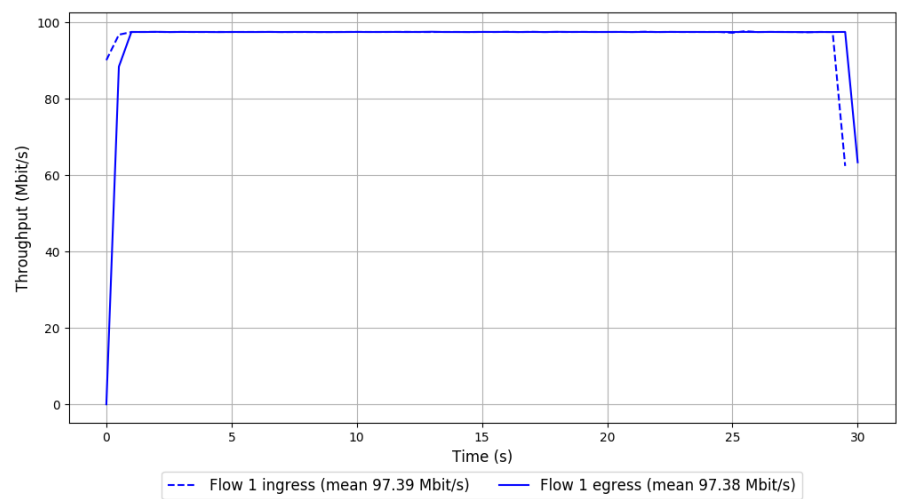• Flow 1 (95th percentile 5.22 ms)

```
Run 2: Statistics of Indigo

Start at: 2018-08-09 01:36:09
End at: 2018-08-09 01:36:39
Local clock offset: -7.168 ms
Remote clock offset: -1.881 ms


# Below is generated by plot.py at 2018-08-09 04:22:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.096 ms
Loss rate: 0.00%
```
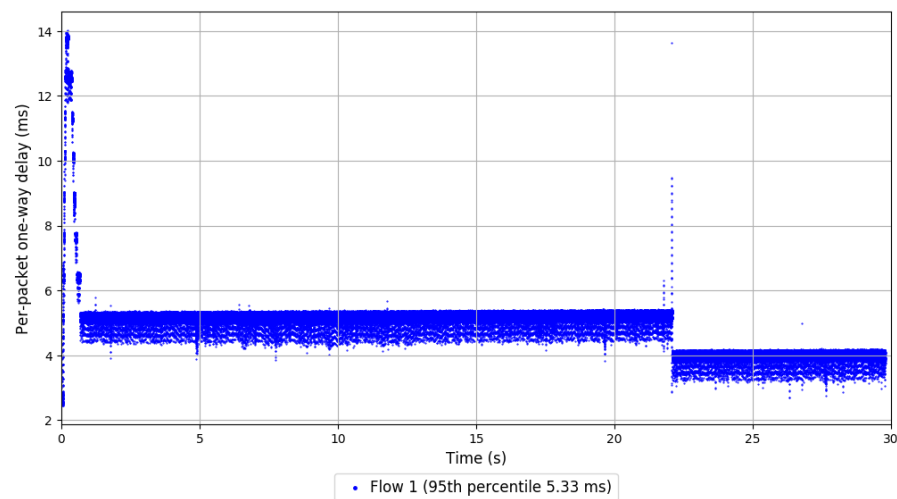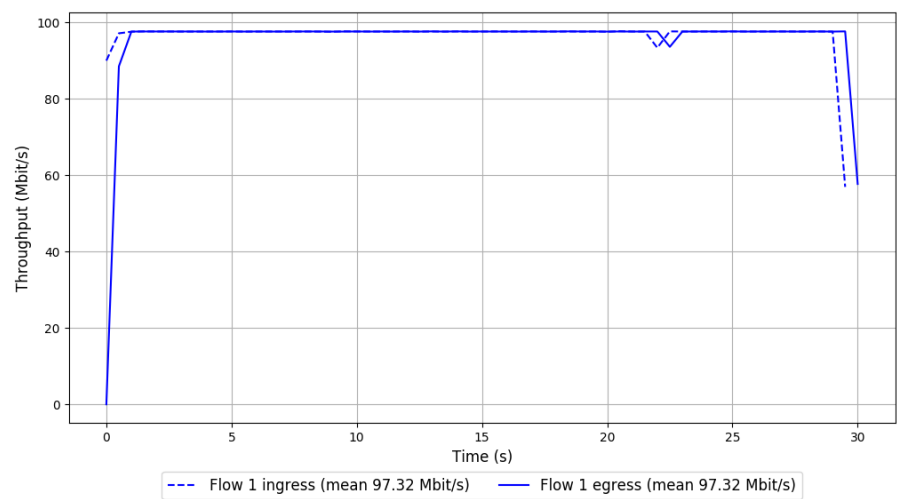
Run 2: Report of Indigo — Data Link

Flow 1 ingress (mean 97.39 Mbit/s)   Flow 1 egress (mean 97.38 Mbit/s)

Flow 1 (95th percentile 5.10 ms)

```
Run 3: Statistics of Indigo

Start at: 2018-08-09 01:55:11
End at: 2018-08-09 01:55:41
Local clock offset: -3.789 ms
Remote clock offset: -1.37 ms


# Below is generated by plot.py at 2018-08-09 04:22:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.333 ms
Loss rate: 0.00%
```

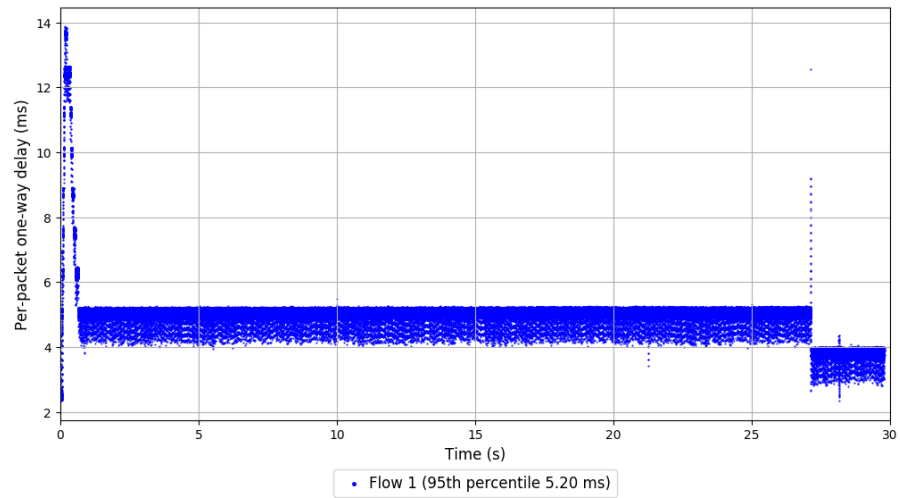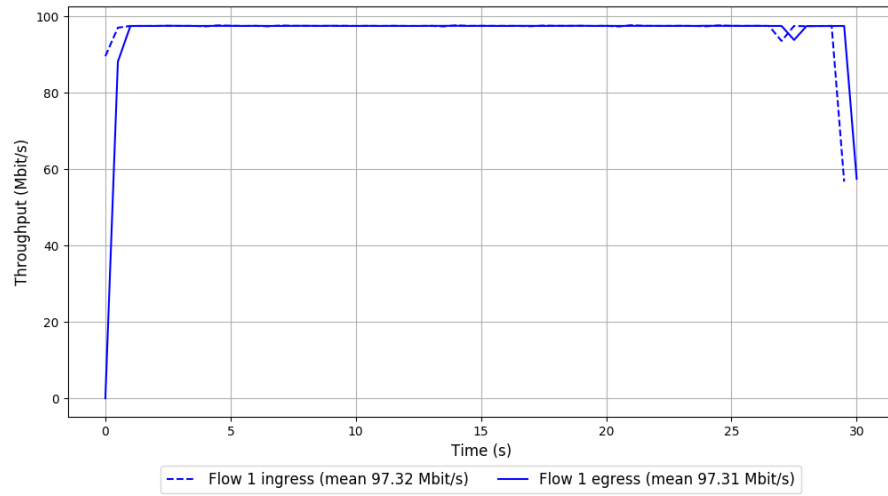Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2018-08-09 02:14:13
End at: 2018-08-09 02:14:43
Local clock offset: -1.444 ms
Remote clock offset: -1.046 ms


# Below is generated by plot.py at 2018-08-09 04:22:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.201 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

Flow 1 ingress (mean 97.32 Mbit/s)   Flow 1 egress (mean 97.31 Mbit/s)

Flow 1 (95th percentile 5.20 ms)

```
Run 5: Statistics of Indigo

Start at: 2018-08-09 02:33:15
End at: 2018-08-09 02:33:45
Local clock offset: -1.959 ms
Remote clock offset: -1.561 ms


# Below is generated by plot.py at 2018-08-09 04:23:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 5.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 5.175 ms
Loss rate: 0.00%
```
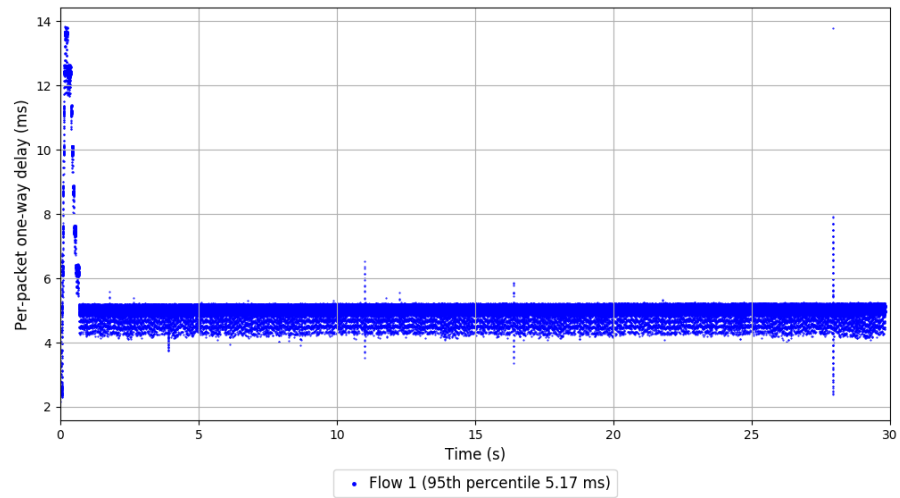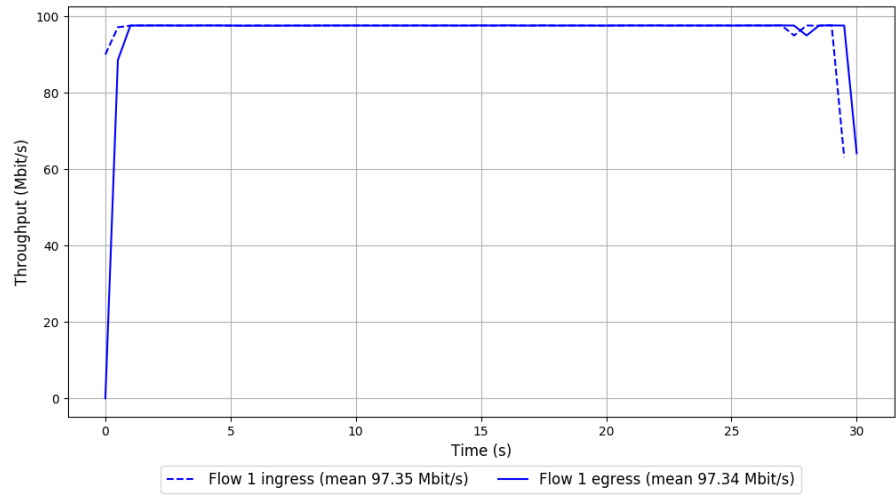
Run 5: Report of Indigo — Data Link

Flow 1 ingress (mean 97.35 Mbit/s)   Flow 1 egress (mean 97.34 Mbit/s)

Flow 1 (95th percentile 5.17 ms)

```
Run 6: Statistics of Indigo

Start at: 2018-08-09 02:52:17
End at: 2018-08-09 02:52:47
Local clock offset: -5.206 ms
Remote clock offset: -2.141 ms


# Below is generated by plot.py at 2018-08-09 04:23:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 4.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 4.819 ms
Loss rate: 0.00%
```
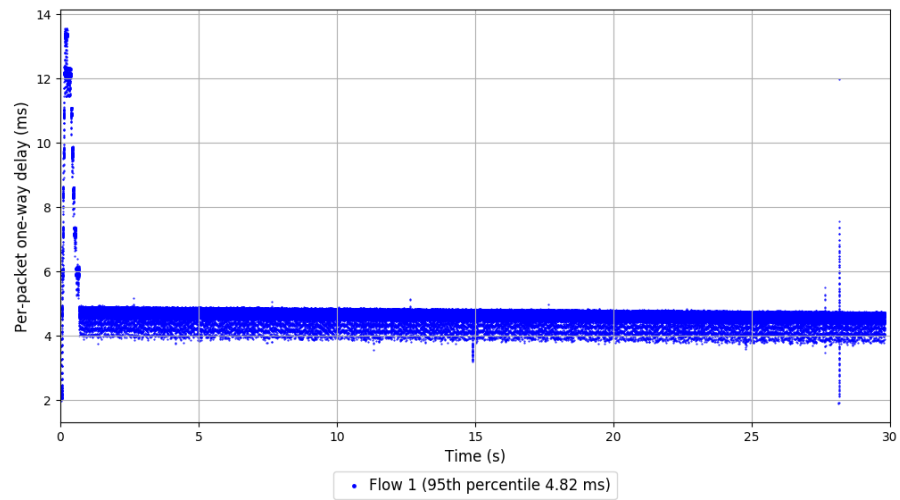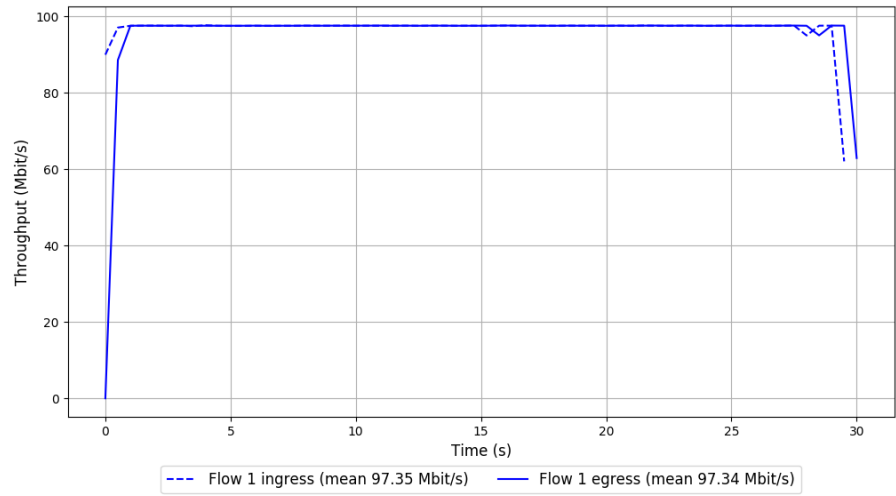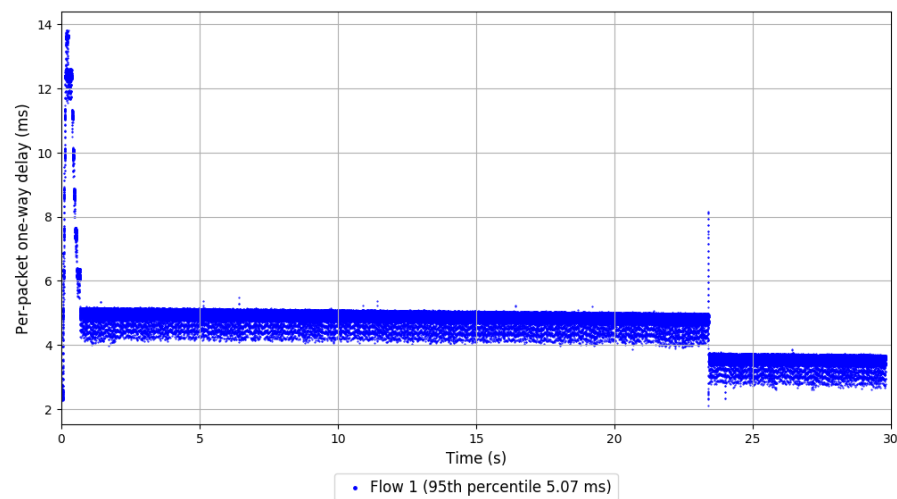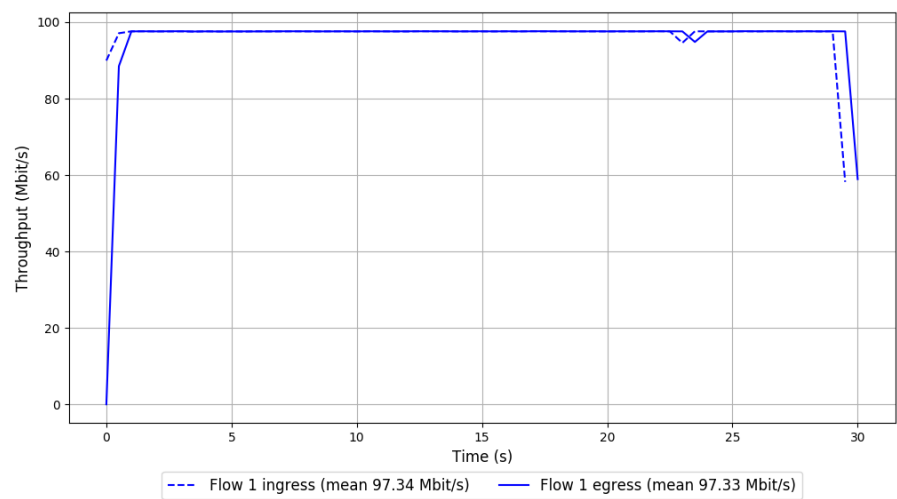
Run 6: Report of Indigo — Data Link

Flow 1 ingress (mean 97.35 Mbit/s)   Flow 1 egress (mean 97.34 Mbit/s)

Flow 1 (95th percentile 4.82 ms)

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```
Run 7: Statistics of Indigo

Start at: 2018-08-09 03:11:19
End at: 2018-08-09 03:11:49
Local clock offset: -8.799 ms
Remote clock offset: 6.096 ms


# Below is generated by plot.py at 2018-08-09 04:23:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.071 ms
Loss rate: 0.00%
```

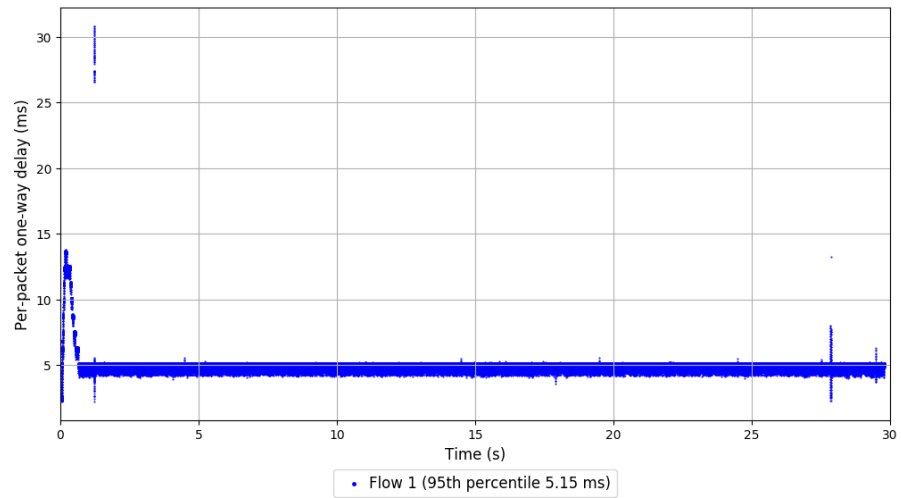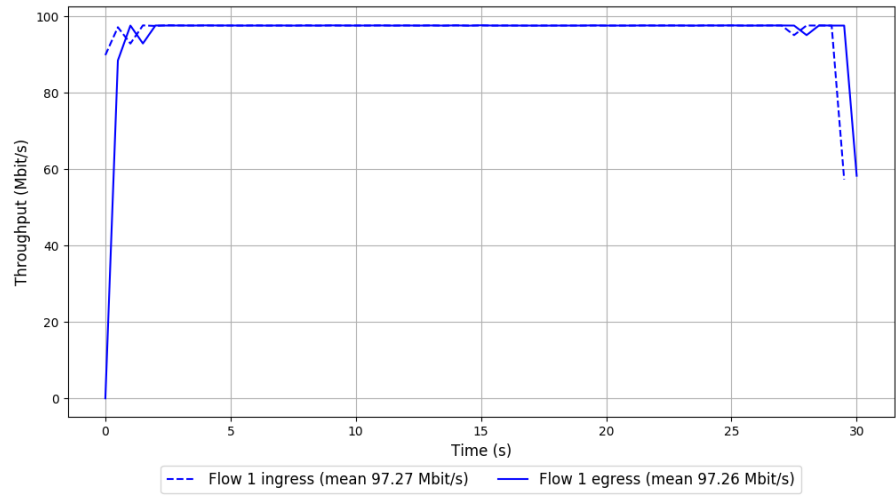## Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-08-09 03:30:21
End at: 2018-08-09 03:30:51
Local clock offset: -2.627 ms
Remote clock offset: 10.211 ms


# Below is generated by plot.py at 2018-08-09 04:23:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 5.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 5.150 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

Flow 1 ingress (mean 97.27 Mbit/s)   Flow 1 egress (mean 97.26 Mbit/s)

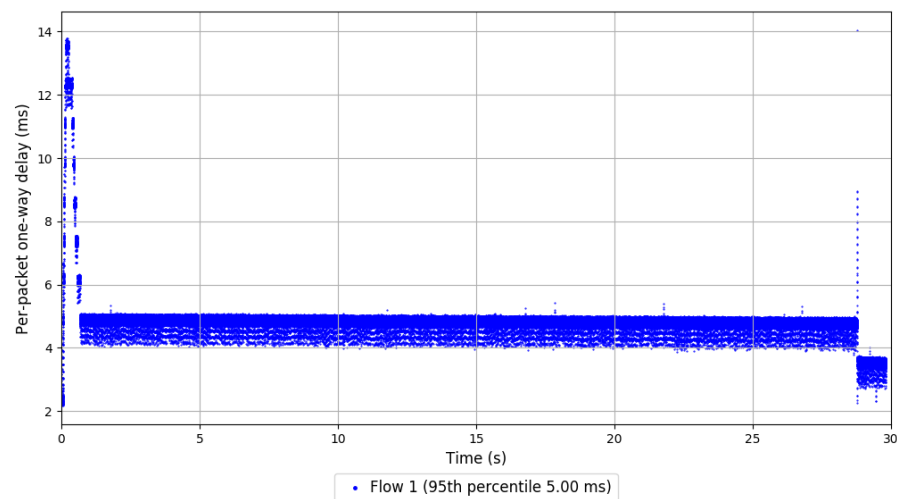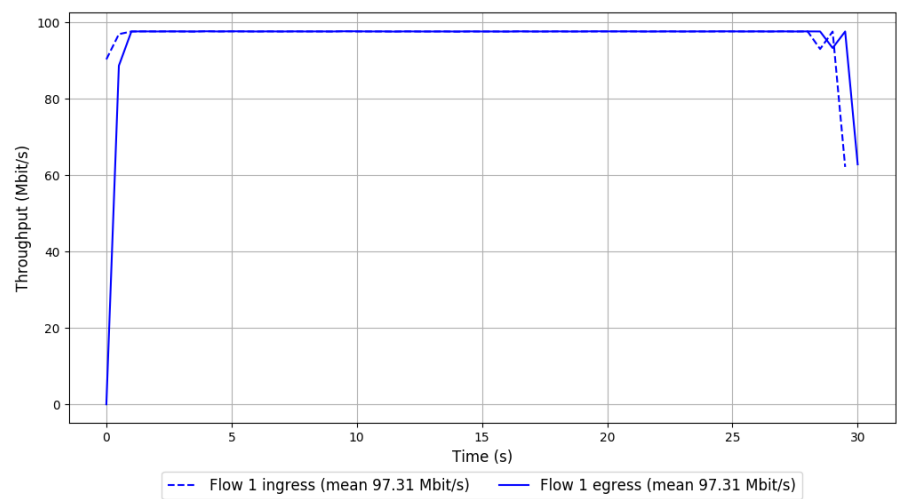Flow 1 (95th percentile 5.15 ms)

```
Run 9: Statistics of Indigo

Start at: 2018-08-09 03:49:23
End at: 2018-08-09 03:49:53
Local clock offset: -1.356 ms
Remote clock offset: 12.837 ms


# Below is generated by plot.py at 2018-08-09 04:23:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.000 ms
Loss rate: 0.00%
```
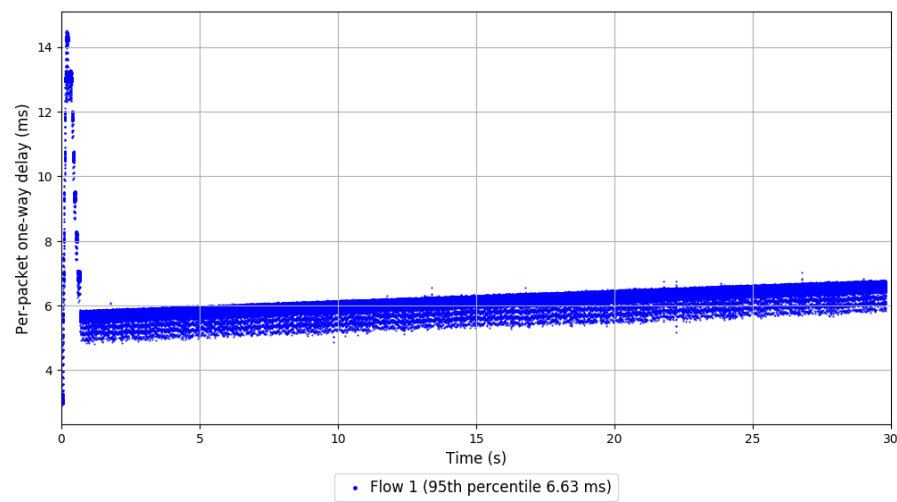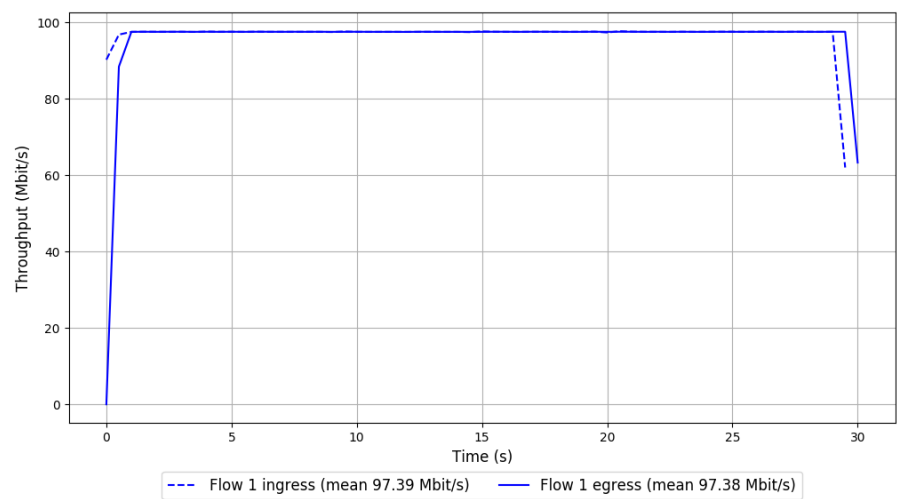
Run 9: Report of Indigo — Data Link

Flow 1 ingress (mean 97.31 Mbit/s)   Flow 1 egress (mean 97.31 Mbit/s)

Flow 1 (95th percentile 5.00 ms)

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```
Run 10: Statistics of Indigo

Start at: 2018-08-09 04:08:24
End at: 2018-08-09 04:08:54
Local clock offset: -2.08 ms
Remote clock offset: 13.832 ms


# Below is generated by plot.py at 2018-08-09 04:23:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 6.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 6.630 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 97.39 Mbit/s)   Flow 1 egress (mean 97.38 Mbit/s)

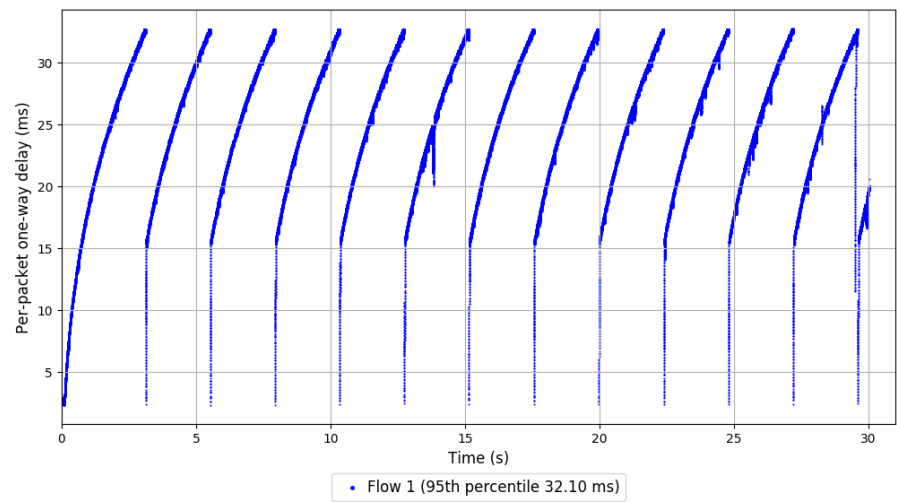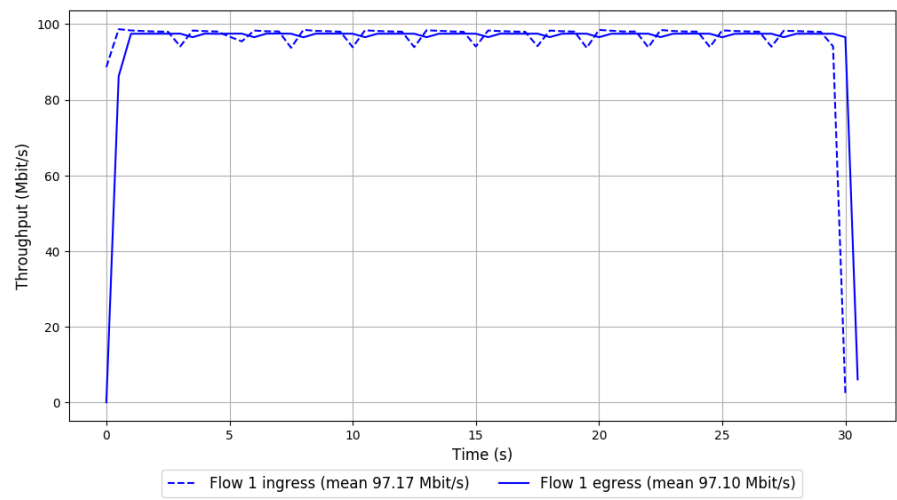Flow 1 (95th percentile 6.63 ms)

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```
Run 1: Statistics of LEDBAT

Start at: 2018-08-09 01:05:57
End at: 2018-08-09 01:06:27
Local clock offset: -8.768 ms
Remote clock offset: -2.971 ms


# Below is generated by plot.py at 2018-08-09 04:23:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.102 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.102 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.17 Mbit/s)   Flow 1 egress (mean 97.10 Mbit/s)

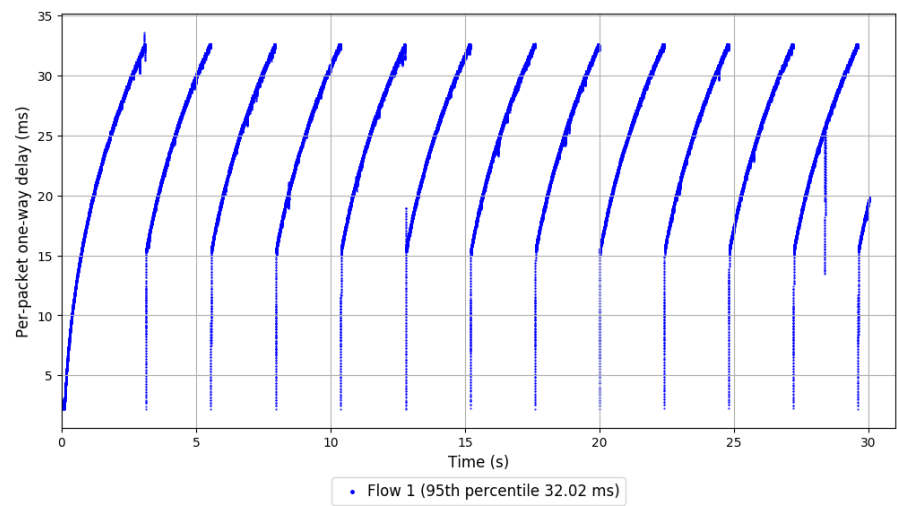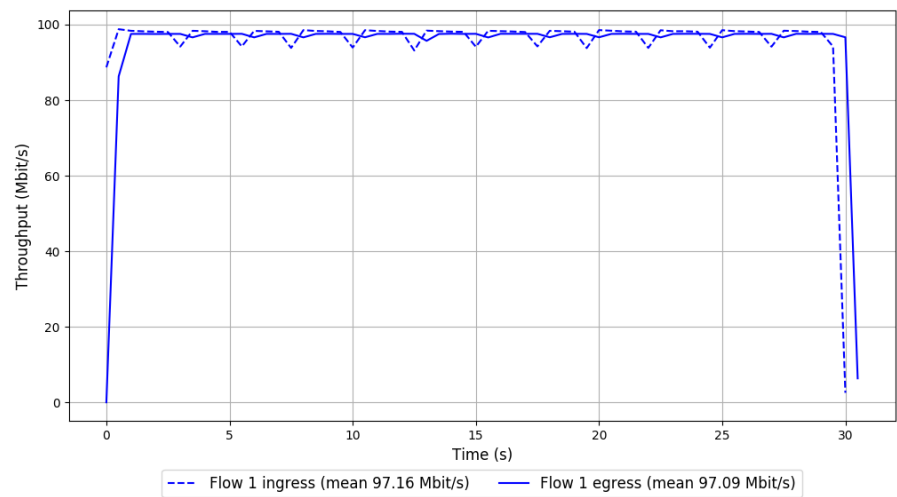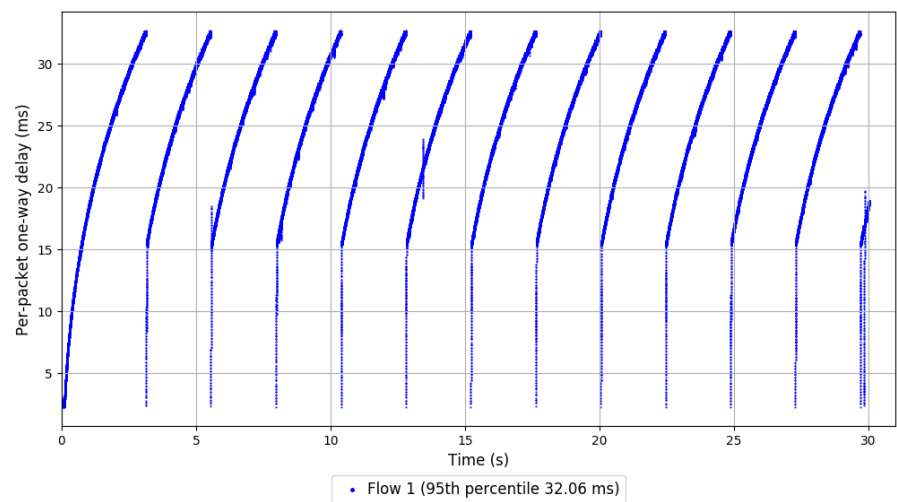Flow 1 (95th percentile 32.10 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2018-08-09 01:24:56
End at: 2018-08-09 01:25:26
Local clock offset: -7.449 ms
Remote clock offset: -2.365 ms


# Below is generated by plot.py at 2018-08-09 04:23:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.025 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.025 ms
Loss rate: 0.01%
```

Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.16 Mbit/s) --- Flow 1 egress (mean 97.09 Mbit/s)

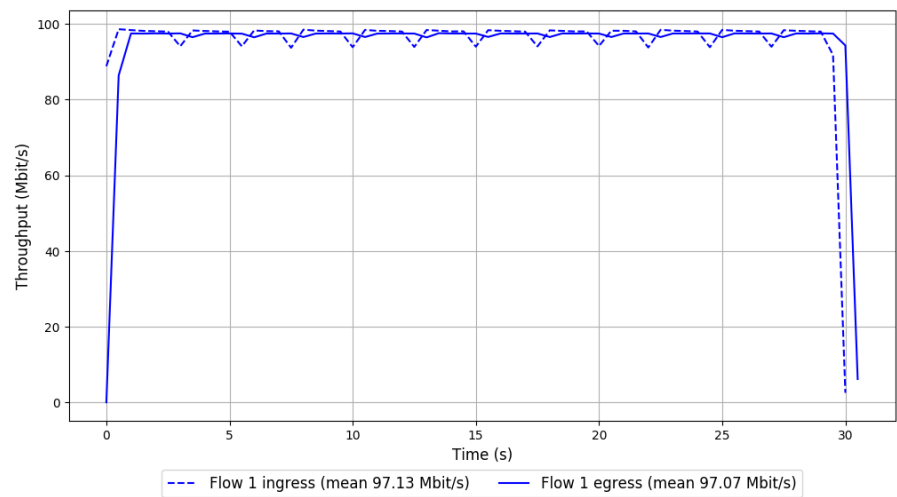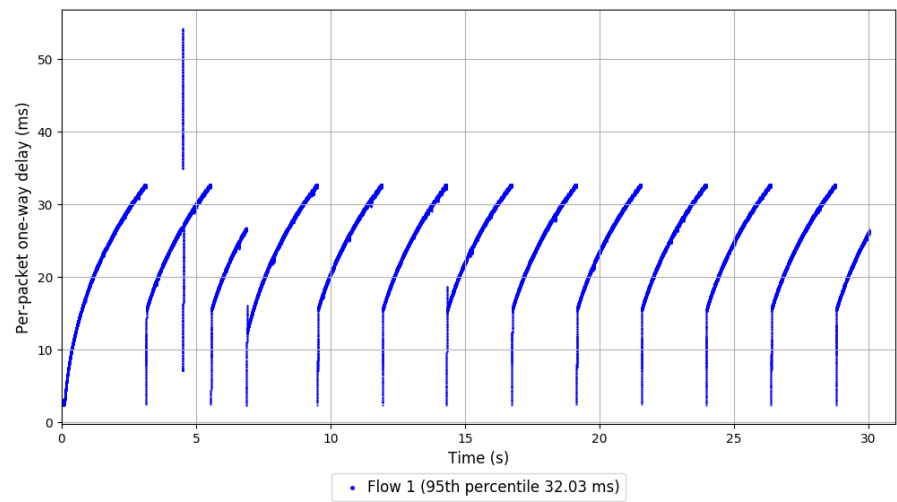• Flow 1 (95th percentile 32.02 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2018-08-09 01:43:57
End at: 2018-08-09 01:44:27
Local clock offset: -7.124 ms
Remote clock offset: -1.699 ms


# Below is generated by plot.py at 2018-08-09 04:24:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 32.060 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 32.060 ms
Loss rate: 0.01%
```

Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.13 Mbit/s)   Flow 1 egress (mean 97.07 Mbit/s)

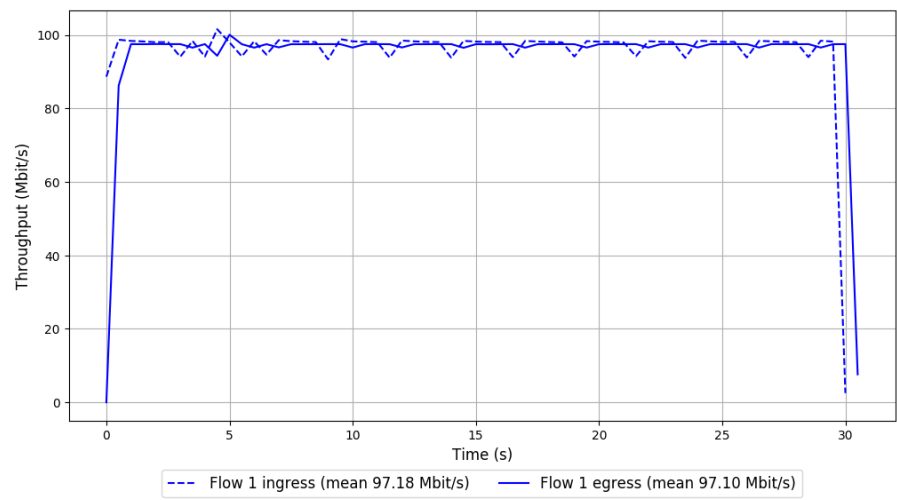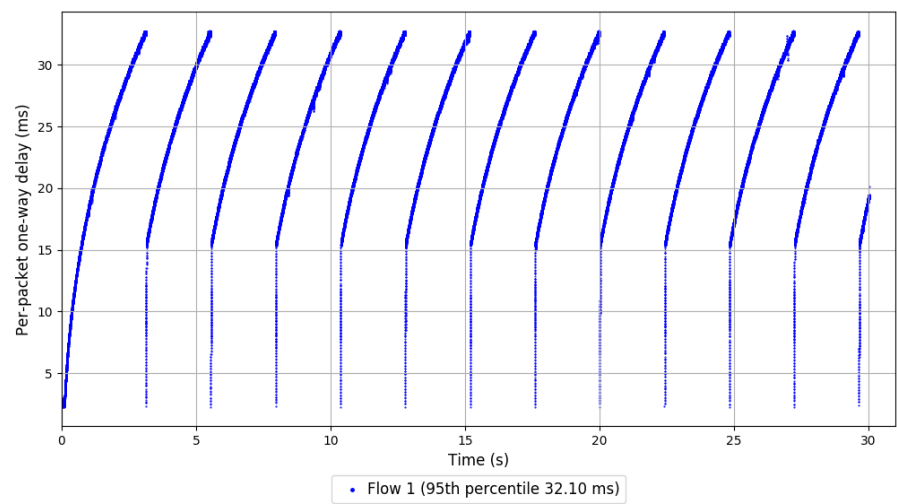Flow 1 (95th percentile 32.06 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-08-09 02:03:00
End at: 2018-08-09 02:03:30
Local clock offset: -2.521 ms
Remote clock offset: -1.322 ms


# Below is generated by plot.py at 2018-08-09 04:24:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.032 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.032 ms
Loss rate: 0.01%
```

Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.18 Mbit/s)   Flow 1 egress (mean 97.10 Mbit/s)

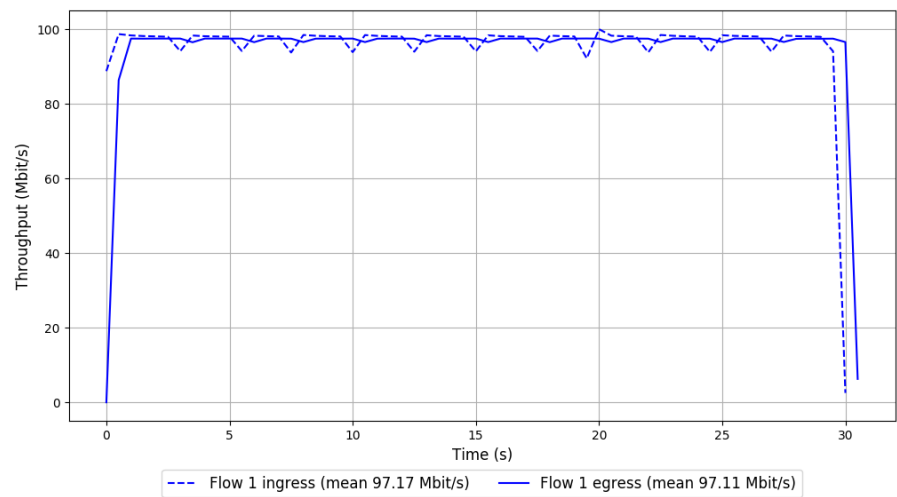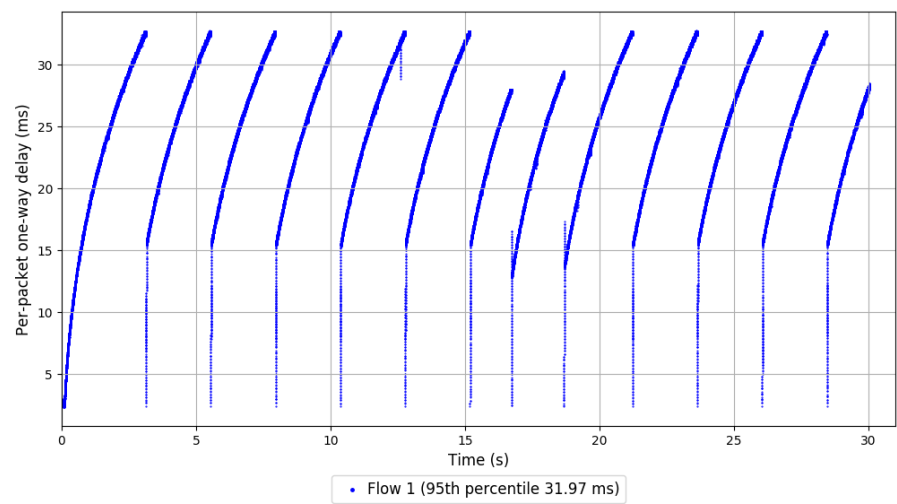Flow 1 (95th percentile 32.03 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2018-08-09 02:22:02
End at: 2018-08-09 02:22:32
Local clock offset: -1.817 ms
Remote clock offset: -0.896 ms


# Below is generated by plot.py at 2018-08-09 04:24:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.103 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.103 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.17 Mbit/s) ---- Flow 1 egress (mean 97.11 Mbit/s)

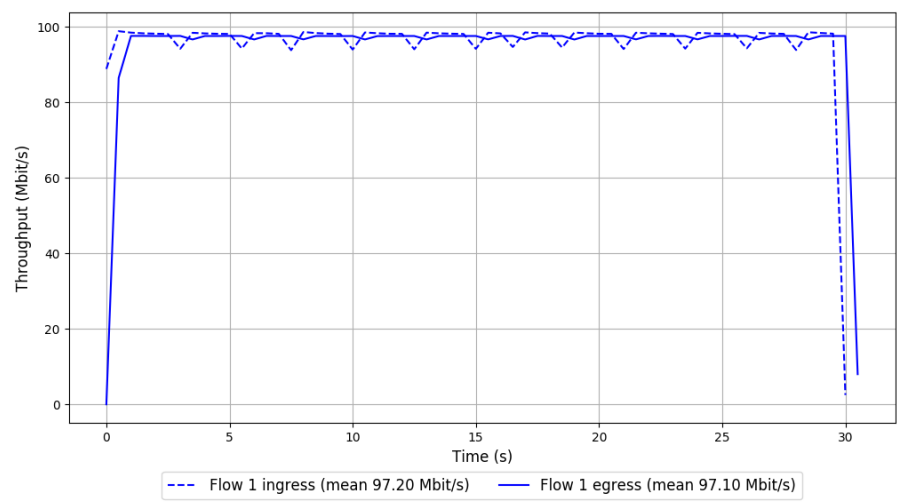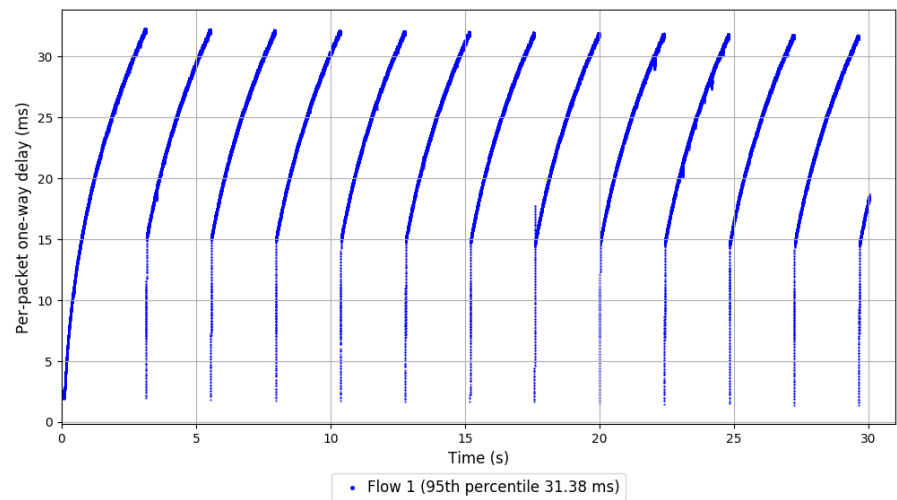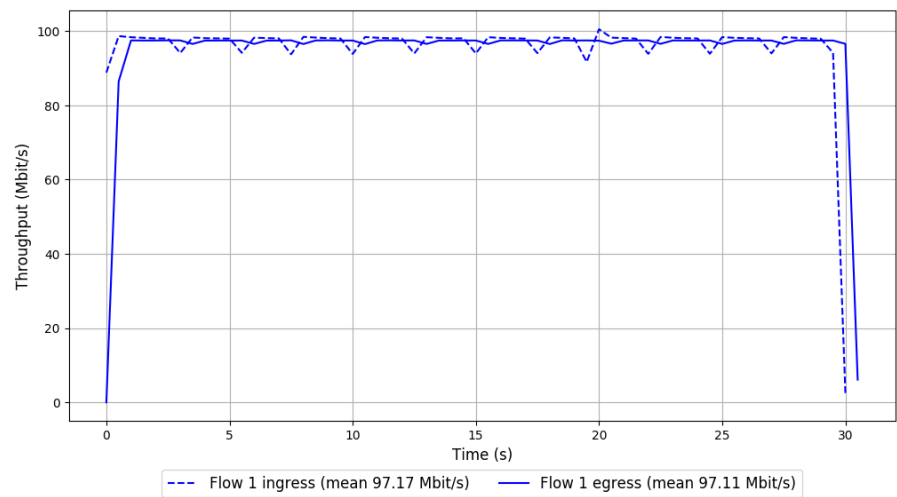• Flow 1 (95th percentile 32.10 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-08-09 02:41:03
End at: 2018-08-09 02:41:33
Local clock offset: -1.855 ms
Remote clock offset: -1.901 ms


# Below is generated by plot.py at 2018-08-09 04:24:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 31.973 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 31.973 ms
Loss rate: 0.01%
```

Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.20 Mbit/s)   Flow 1 egress (mean 97.10 Mbit/s)

• Flow 1 (95th percentile 31.97 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-08-09 03:00:05
End at: 2018-08-09 03:00:35
Local clock offset: -7.314 ms
Remote clock offset: -1.381 ms


# Below is generated by plot.py at 2018-08-09 04:24:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 31.377 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 31.377 ms
Loss rate: 0.01%
```
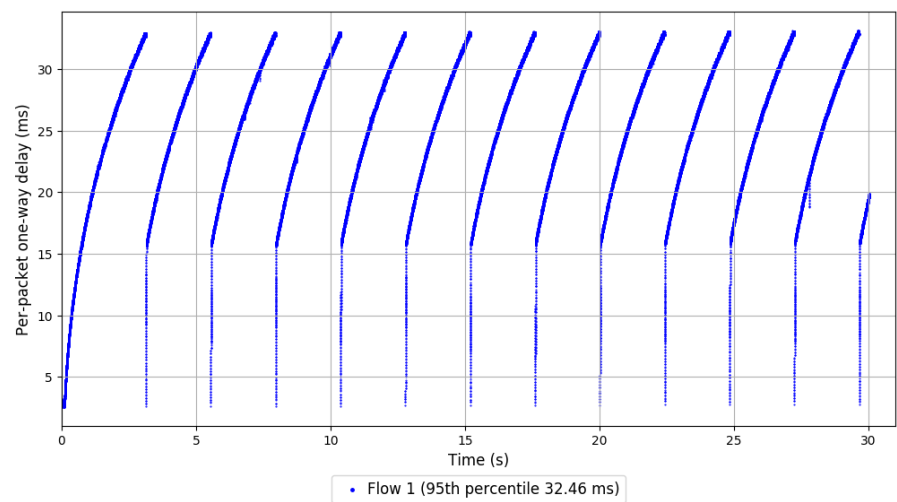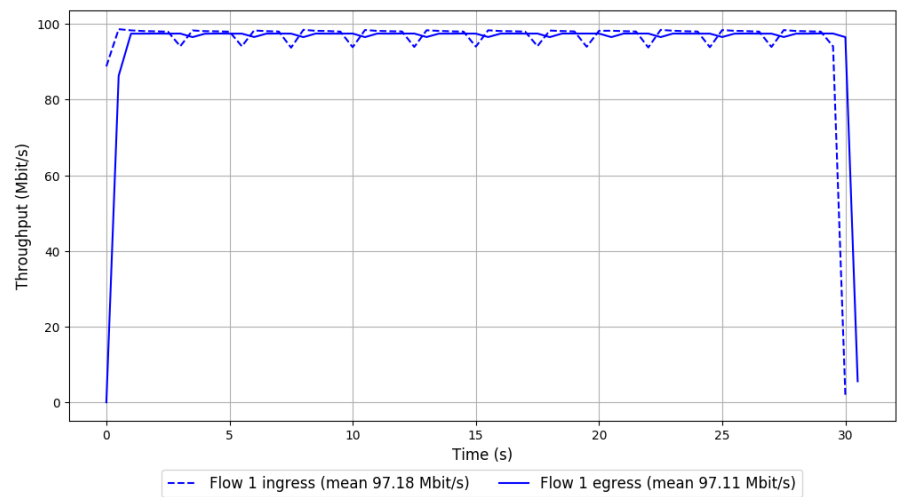
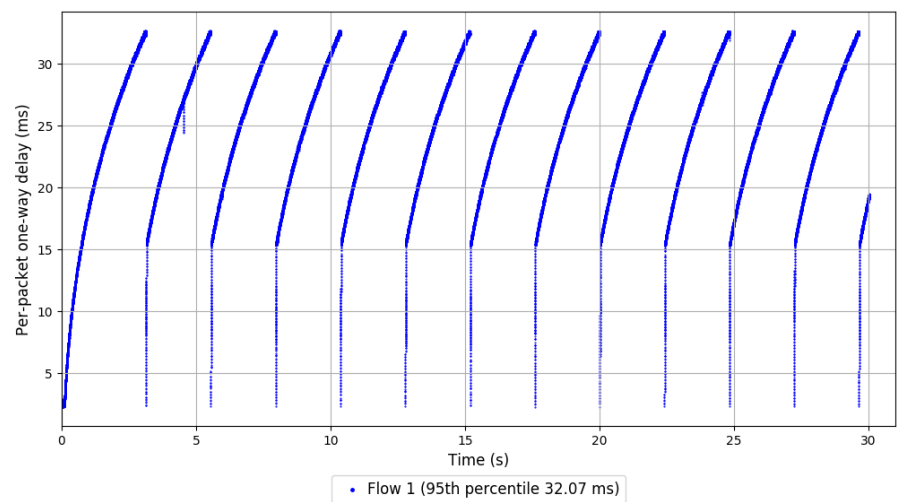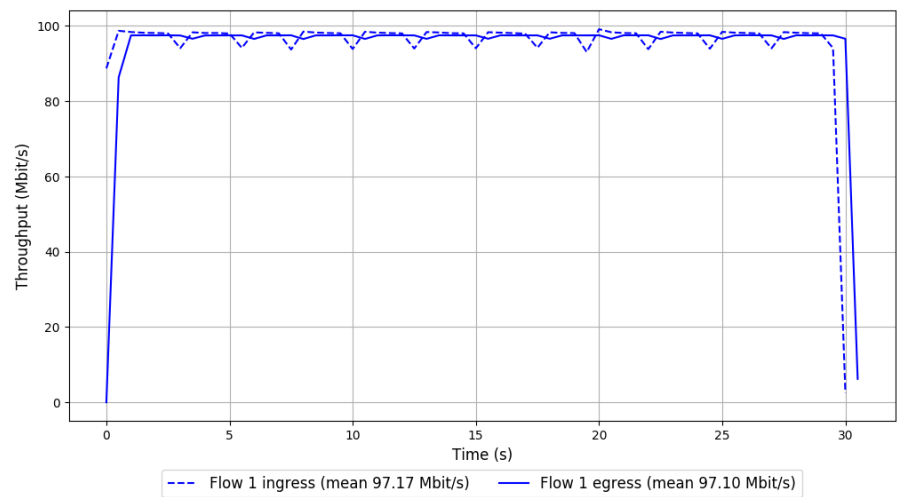Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.17 Mbit/s)   Flow 1 egress (mean 97.11 Mbit/s)

Flow 1 (95th percentile 31.38 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-08-09 03:19:07
End at: 2018-08-09 03:19:37
Local clock offset: -6.769 ms
Remote clock offset: 8.289 ms


# Below is generated by plot.py at 2018-08-09 04:25:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.458 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.458 ms
Loss rate: 0.01%
```

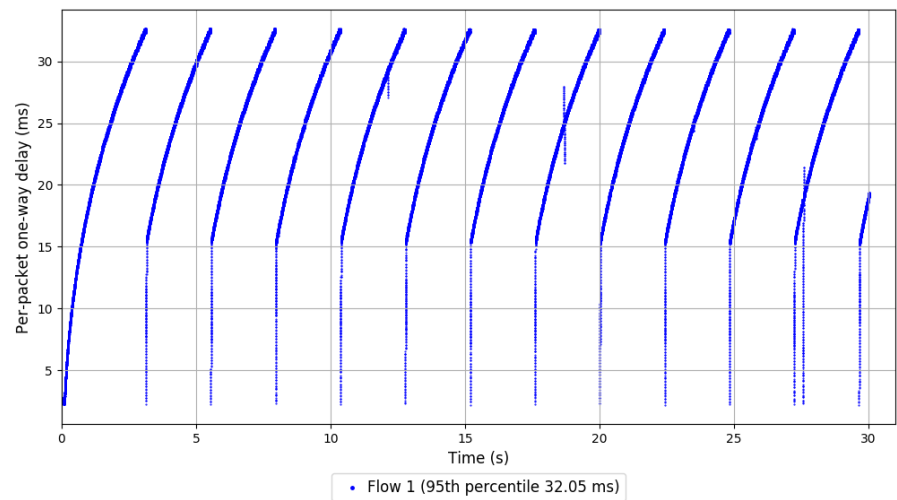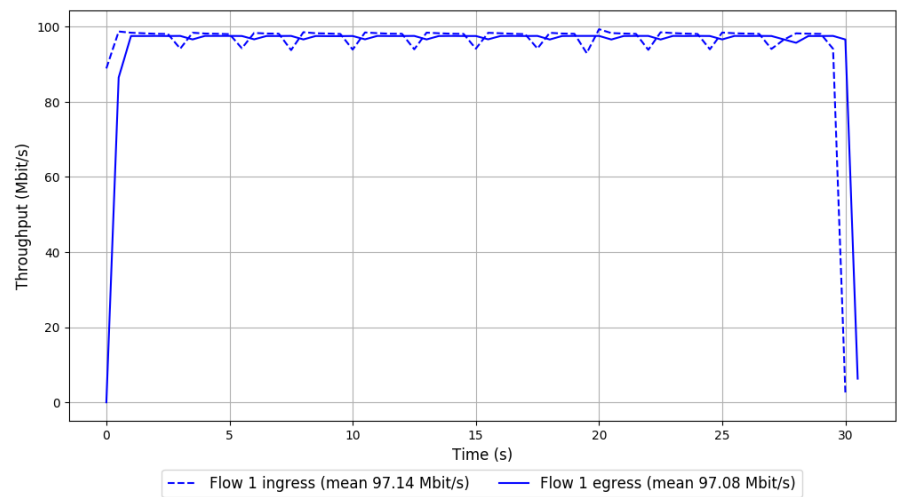## Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.18 Mbit/s) — Flow 1 egress (mean 97.11 Mbit/s)

• Flow 1 (95th percentile 32.46 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-08-09 03:38:10
End at: 2018-08-09 03:38:40
Local clock offset: -1.432 ms
Remote clock offset: 11.323 ms


# Below is generated by plot.py at 2018-08-09 04:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.071 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.071 ms
Loss rate: 0.01%
```

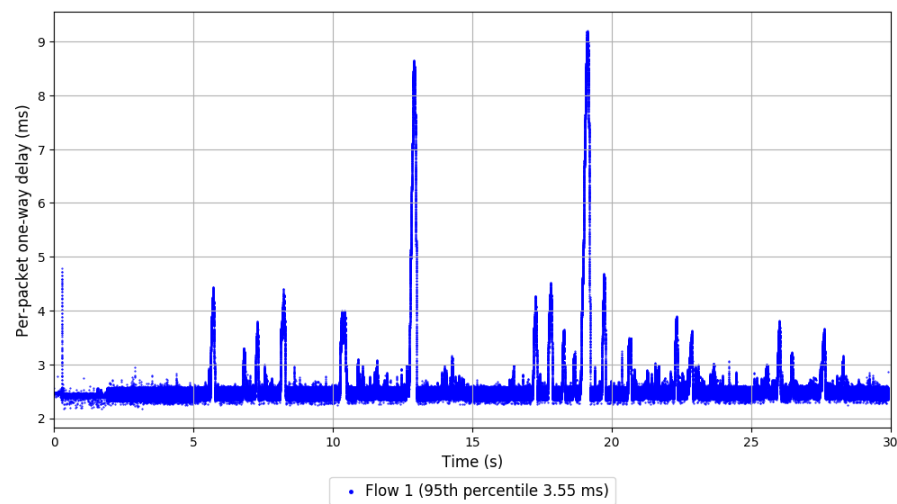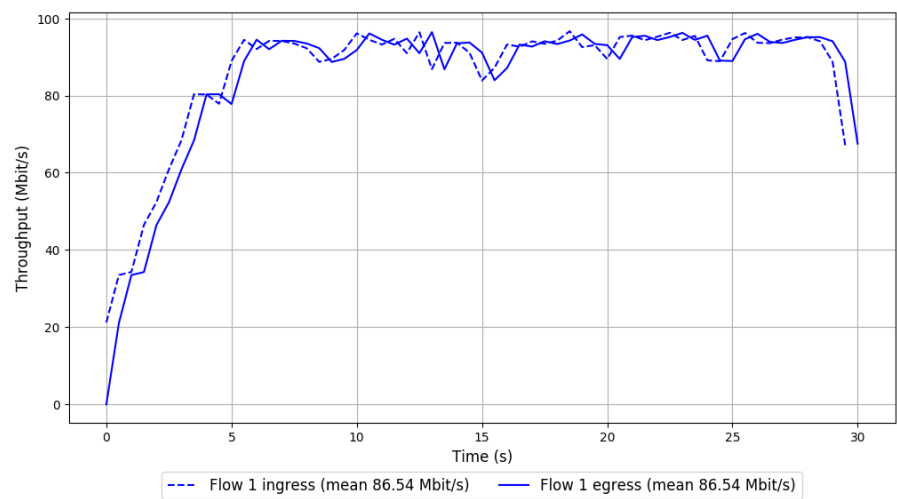Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.17 Mbit/s)   Flow 1 egress (mean 97.10 Mbit/s)

Flow 1 (95th percentile 32.07 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2018-08-09 03:57:11
End at: 2018-08-09 03:57:41
Local clock offset: -1.981 ms
Remote clock offset: 13.854 ms


# Below is generated by plot.py at 2018-08-09 04:25:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.047 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.047 ms
Loss rate: 0.01%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.14 Mbit/s)   Flow 1 egress (mean 97.08 Mbit/s)

Flow 1 (95th percentile 32.05 ms)

```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 01:11:33
End at: 2018-08-09 01:12:03
Local clock offset: -8.518 ms
Remote clock offset: -3.029 ms


# Below is generated by plot.py at 2018-08-09 04:25:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 3.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 3.550 ms
Loss rate: 0.00%
```
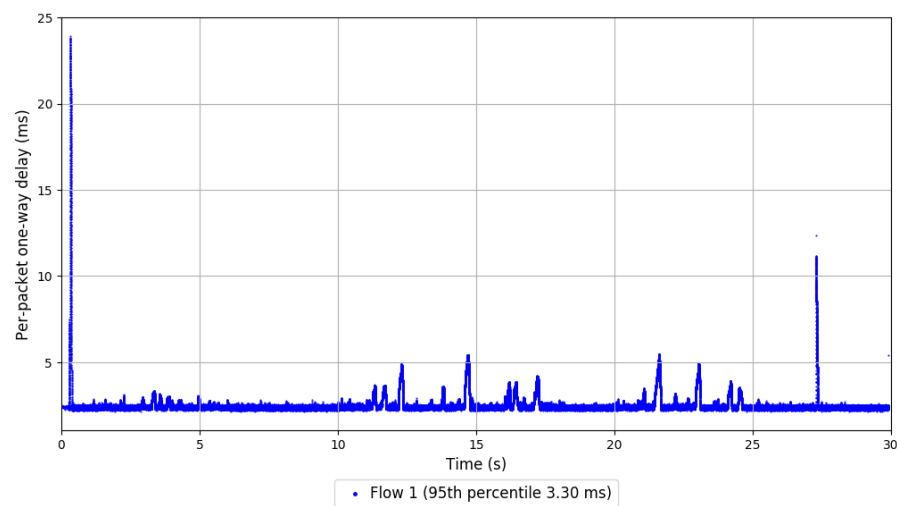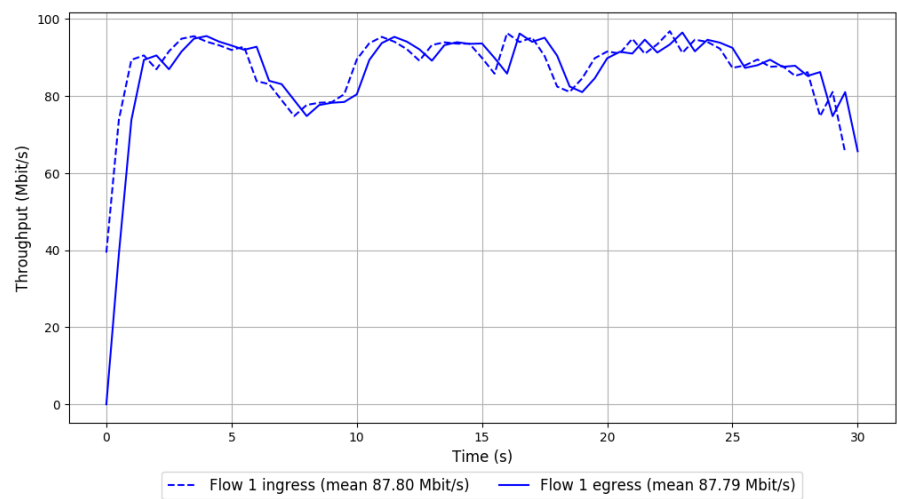
Run 1: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 86.54 Mbit/s) ---- Flow 1 egress (mean 86.54 Mbit/s) ——

Flow 1 (95th percentile 3.55 ms)

```
Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 01:30:35
End at: 2018-08-09 01:31:05
Local clock offset: -7.254 ms
Remote clock offset: -2.04 ms


# Below is generated by plot.py at 2018-08-09 04:25:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 3.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 3.297 ms
Loss rate: 0.00%
```
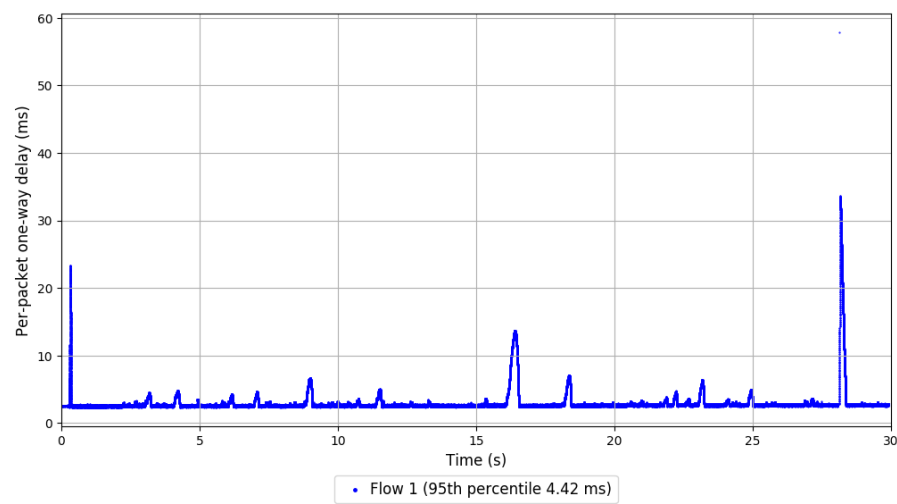
Run 2: Report of PCC-Allegro — Data Link

```
Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 01:49:37
End at: 2018-08-09 01:50:07
Local clock offset: -5.432 ms
Remote clock offset: -1.618 ms


# Below is generated by plot.py at 2018-08-09 04:25:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 4.424 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 4.424 ms
Loss rate: 0.06%
```
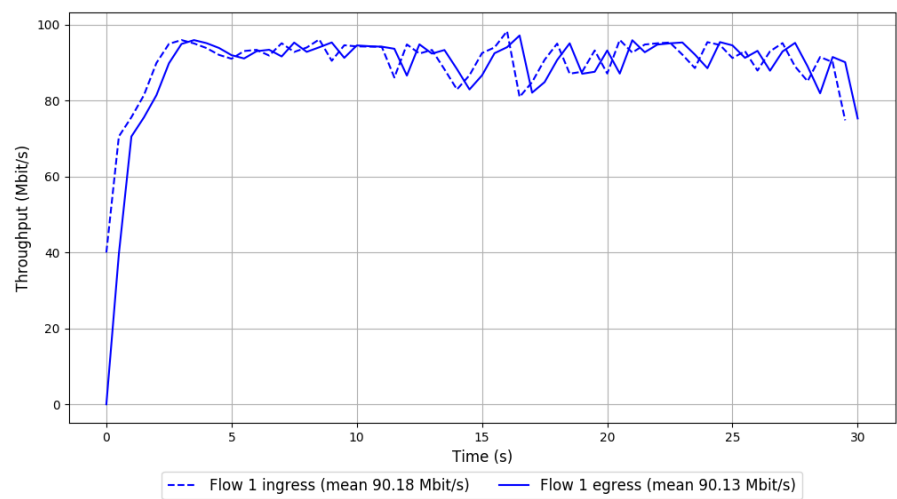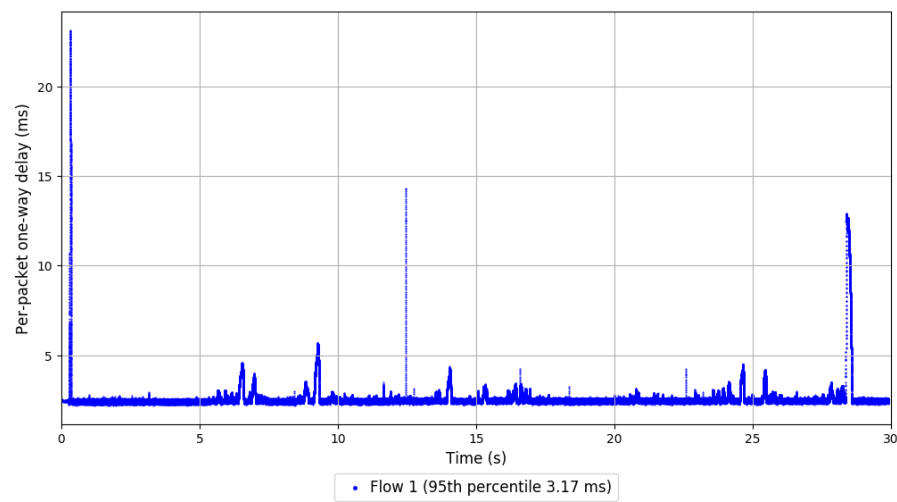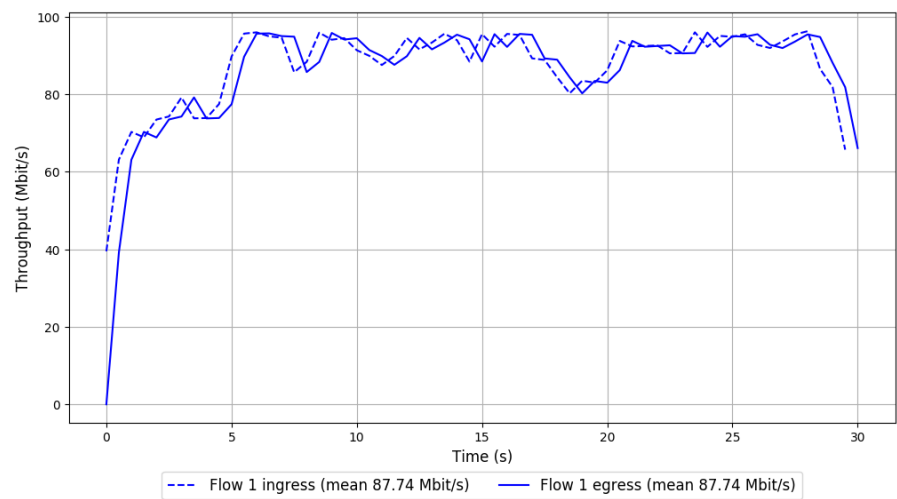
Run 3: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 90.18 Mbit/s)   Flow 1 egress (mean 90.13 Mbit/s)

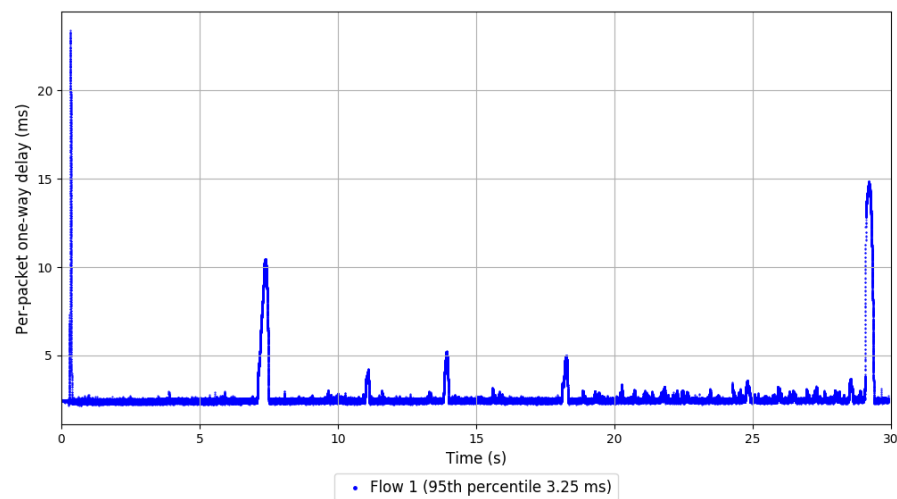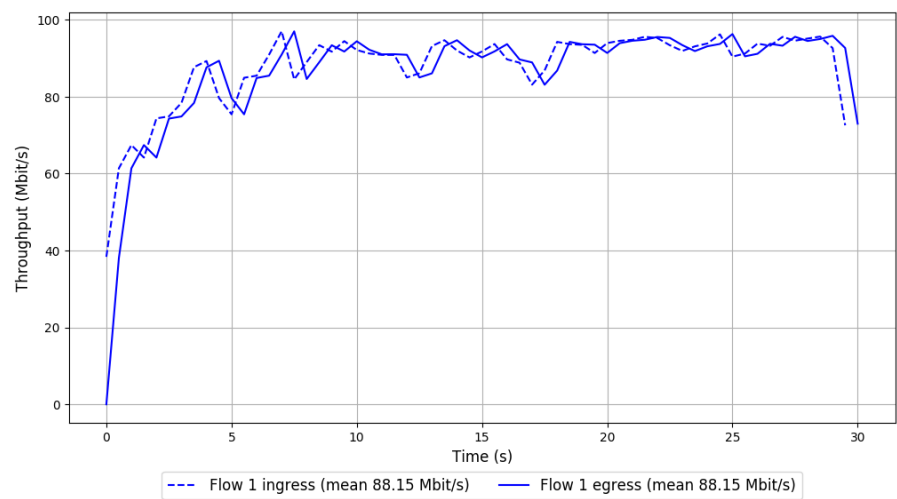

• Flow 1 (95th percentile 4.42 ms)

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```
Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 02:08:39
End at: 2018-08-09 02:09:09
Local clock offset: -1.868 ms
Remote clock offset: -1.143 ms


# Below is generated by plot.py at 2018-08-09 04:25:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 3.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 3.175 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 87.74 Mbit/s)   Flow 1 egress (mean 87.74 Mbit/s)

Flow 1 (95th percentile 3.17 ms)

```
Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 02:27:41
End at: 2018-08-09 02:28:11
Local clock offset: -1.974 ms
Remote clock offset: -1.175 ms


# Below is generated by plot.py at 2018-08-09 04:26:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: 3.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: 3.250 ms
Loss rate: 0.00%
```
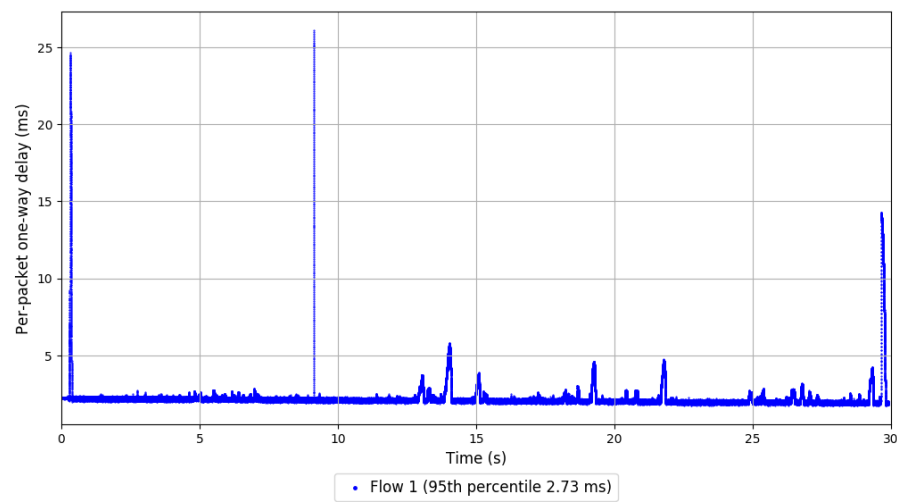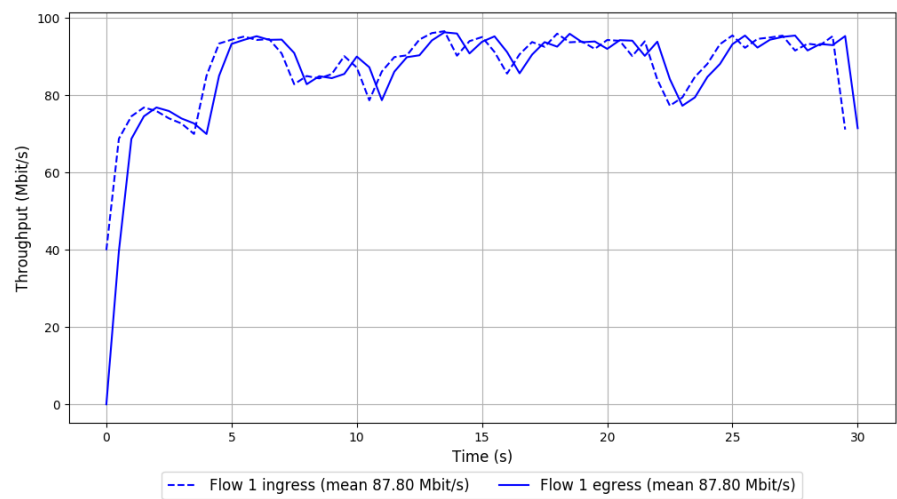
Run 5: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 88.15 Mbit/s)   Flow 1 egress (mean 88.15 Mbit/s)

Flow 1 (95th percentile 3.25 ms)

```
Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 02:46:43
End at: 2018-08-09 02:47:13
Local clock offset: -2.373 ms
Remote clock offset: -1.956 ms


# Below is generated by plot.py at 2018-08-09 04:26:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 2.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 2.725 ms
Loss rate: 0.00%
```
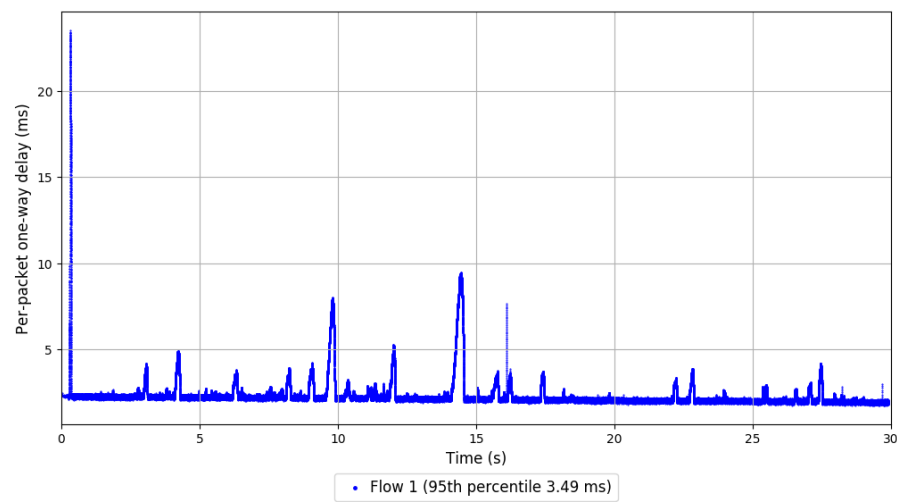
Run 6: Report of PCC-Allegro — Data Link

```
Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 03:05:44
End at: 2018-08-09 03:06:14
Local clock offset: -8.184 ms
Remote clock offset: 3.375 ms


# Below is generated by plot.py at 2018-08-09 04:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 3.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 3.490 ms
Loss rate: 0.00%
```
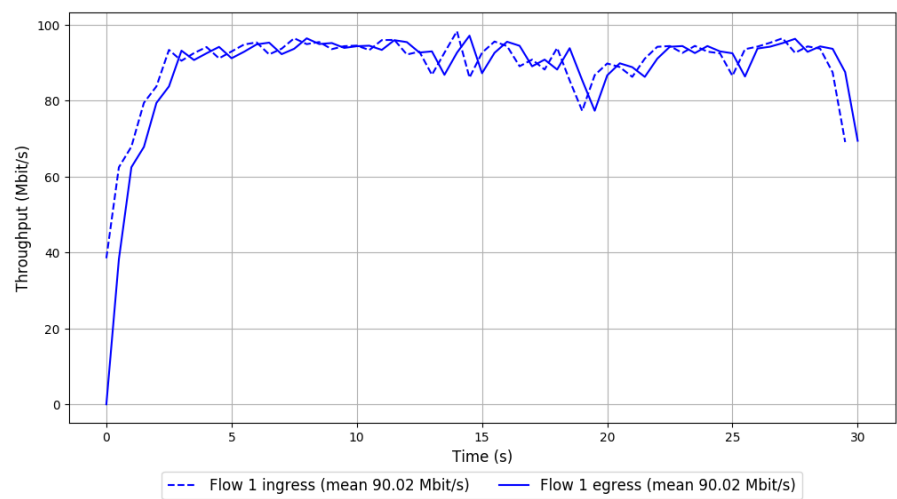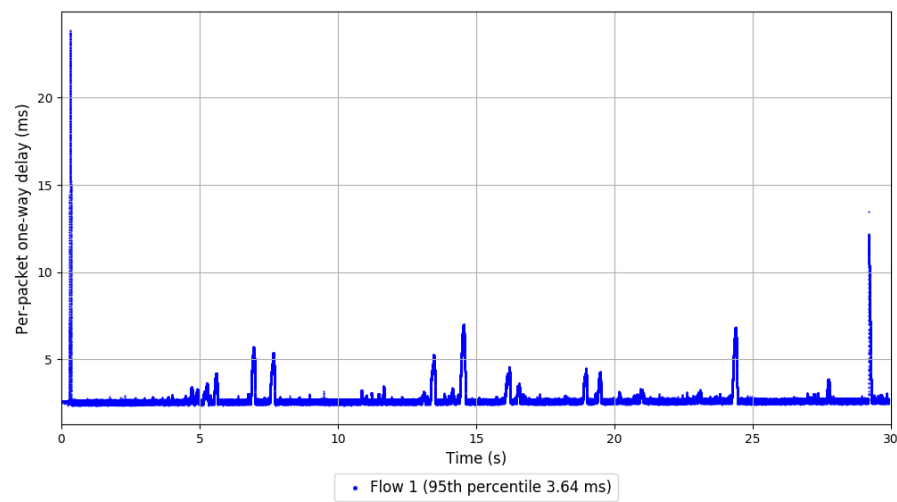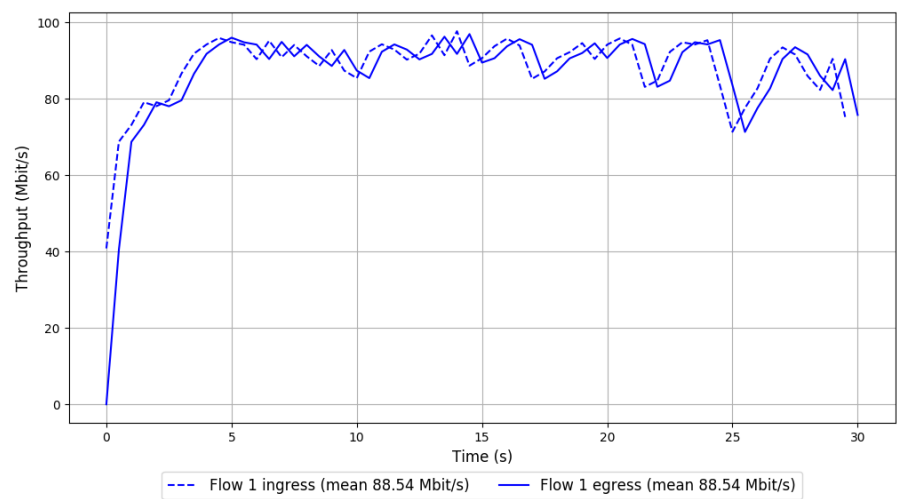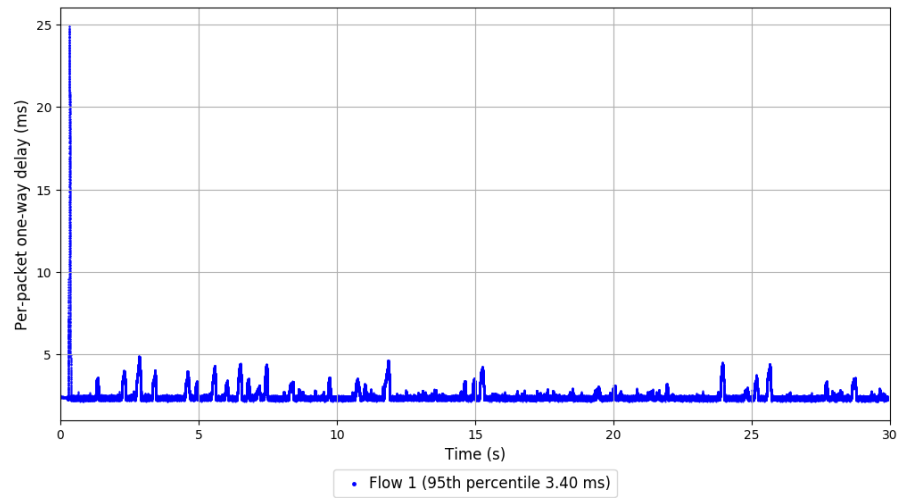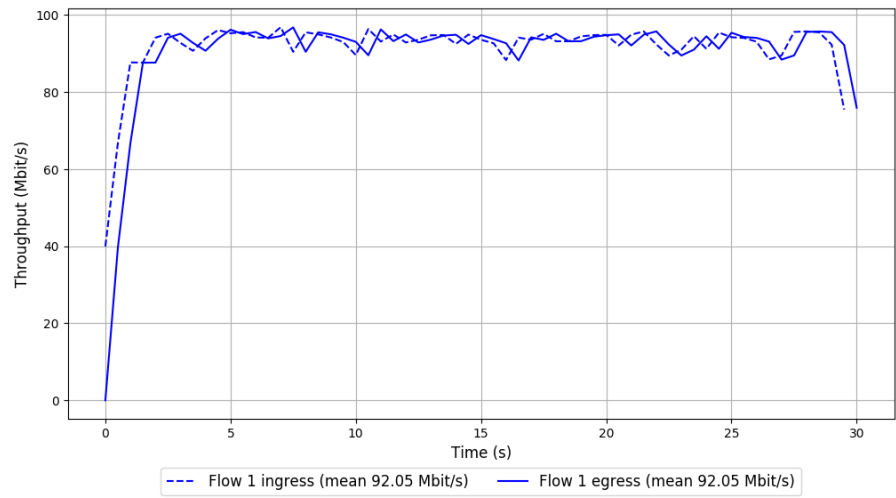
Run 7: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 90.02 Mbit/s)   Flow 1 egress (mean 90.02 Mbit/s)

Flow 1 (95th percentile 3.49 ms)

```
Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 03:24:47
End at: 2018-08-09 03:25:17
Local clock offset: -4.104 ms
Remote clock offset: 9.413 ms


# Below is generated by plot.py at 2018-08-09 04:26:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 3.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 3.644 ms
Loss rate: 0.00%
```
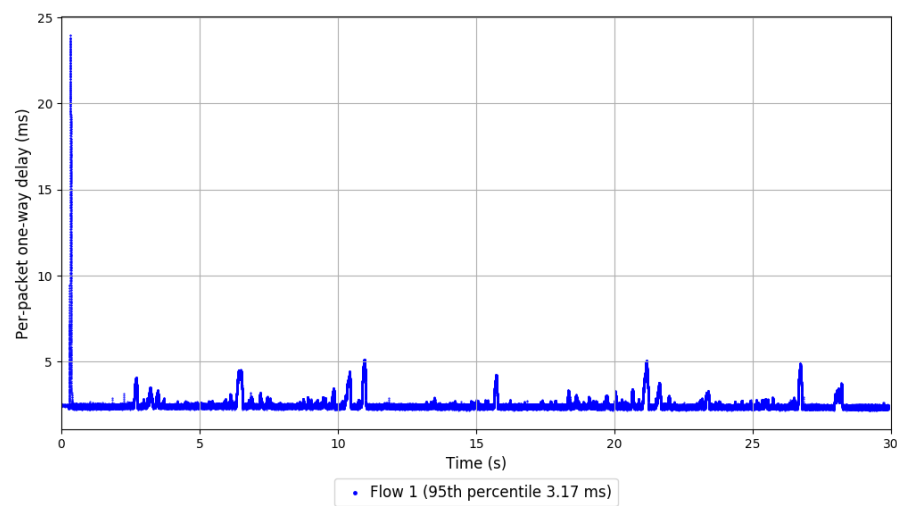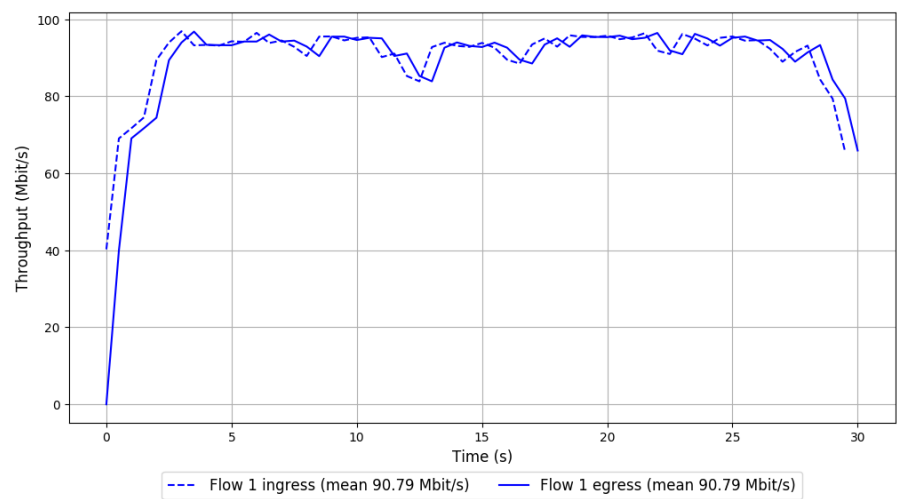
Run 8: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 88.54 Mbit/s) — — — Flow 1 egress (mean 88.54 Mbit/s)

Flow 1 (95th percentile 3.64 ms)

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```
Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 03:43:49
End at: 2018-08-09 03:44:19
Local clock offset: -0.879 ms
Remote clock offset: 12.124 ms


# Below is generated by plot.py at 2018-08-09 04:26:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 3.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 3.398 ms
Loss rate: 0.00%
```
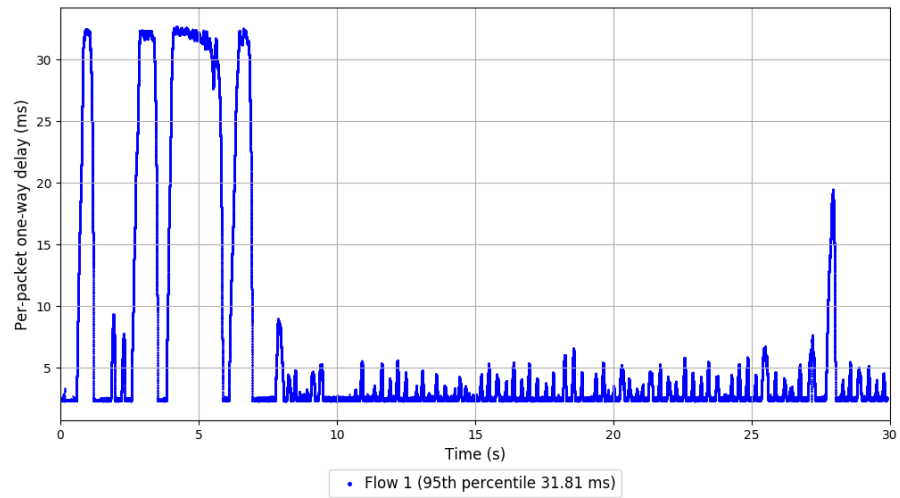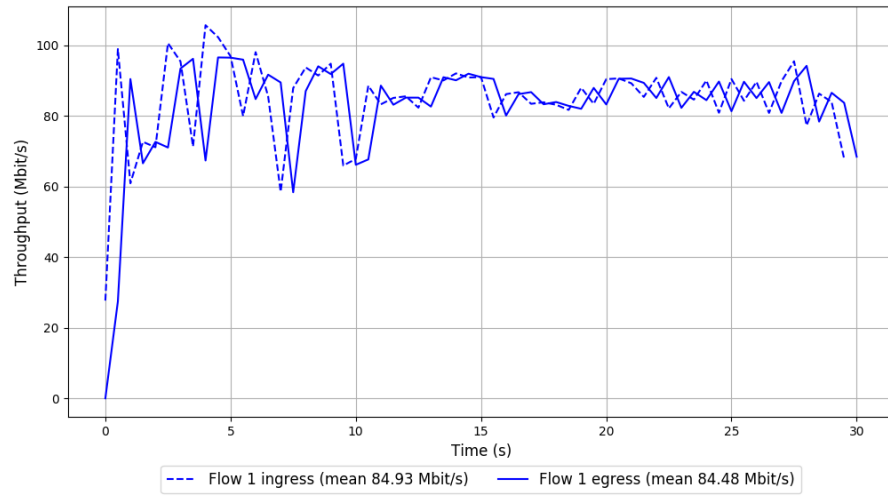
Run 9: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 92.05 Mbit/s) Flow 1 egress (mean 92.05 Mbit/s)

Flow 1 (95th percentile 3.40 ms)

```
Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 04:02:50
End at: 2018-08-09 04:03:20
Local clock offset: -2.136 ms
Remote clock offset: 14.584 ms

# Below is generated by plot.py at 2018-08-09 04:26:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 3.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 3.165 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 90.79 Mbit/s)   Flow 1 egress (mean 90.79 Mbit/s)
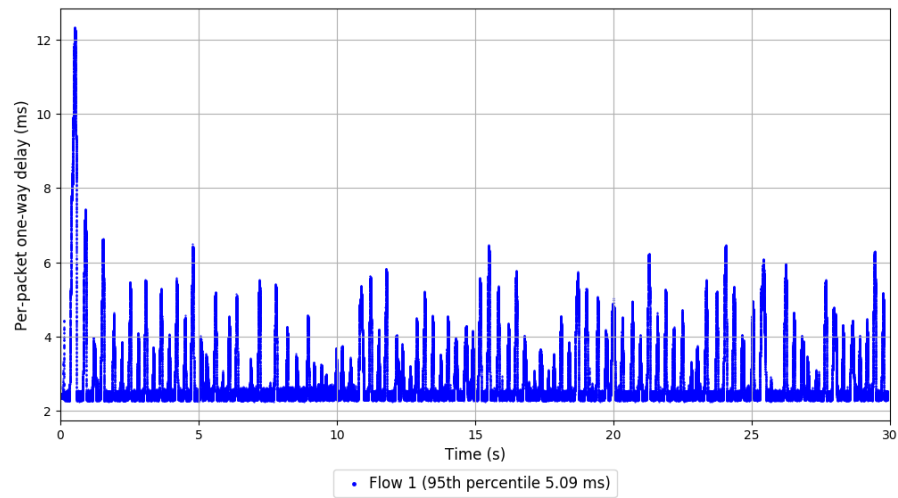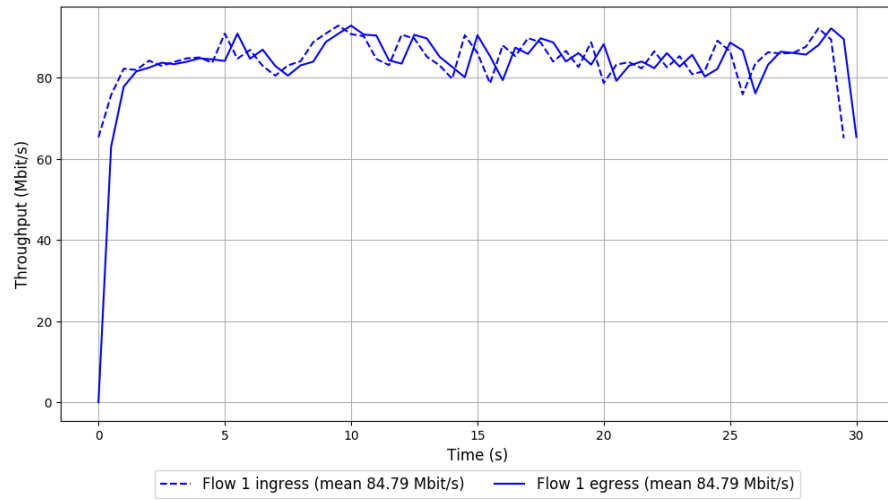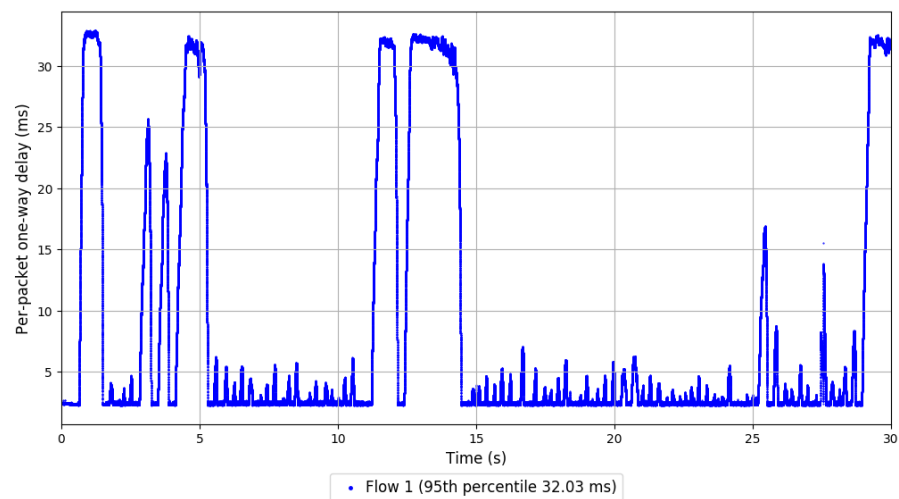

Flow 1 (95th percentile 3.17 ms)

```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 01:04:48
End at: 2018-08-09 01:05:18
Local clock offset: -8.903 ms
Remote clock offset: -2.979 ms


# Below is generated by plot.py at 2018-08-09 04:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 31.809 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 31.809 ms
Loss rate: 0.53%
```

Run 1: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 84.93 Mbit/s)   Flow 1 egress (mean 84.48 Mbit/s)

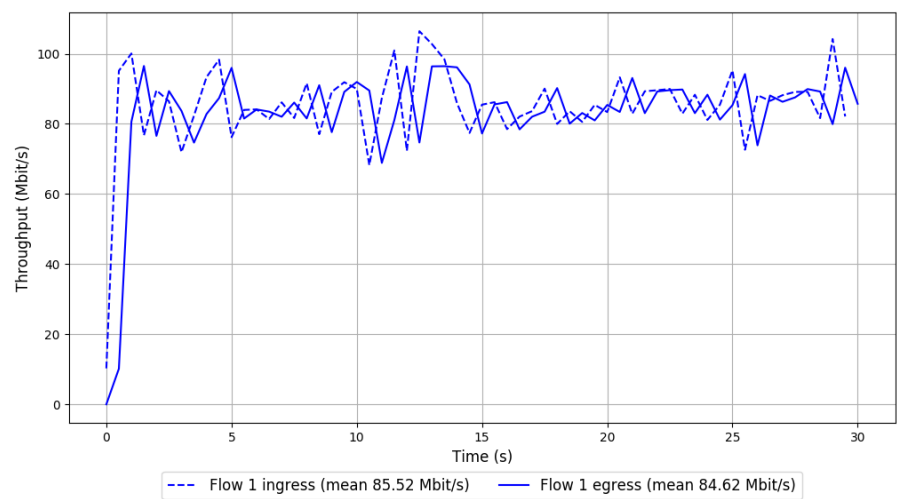Flow 1 (95th percentile 31.81 ms)

```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 01:23:46
End at: 2018-08-09 01:24:16
Local clock offset: -7.542 ms
Remote clock offset: -2.384 ms


# Below is generated by plot.py at 2018-08-09 04:27:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 5.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 5.087 ms
Loss rate: 0.00%
```

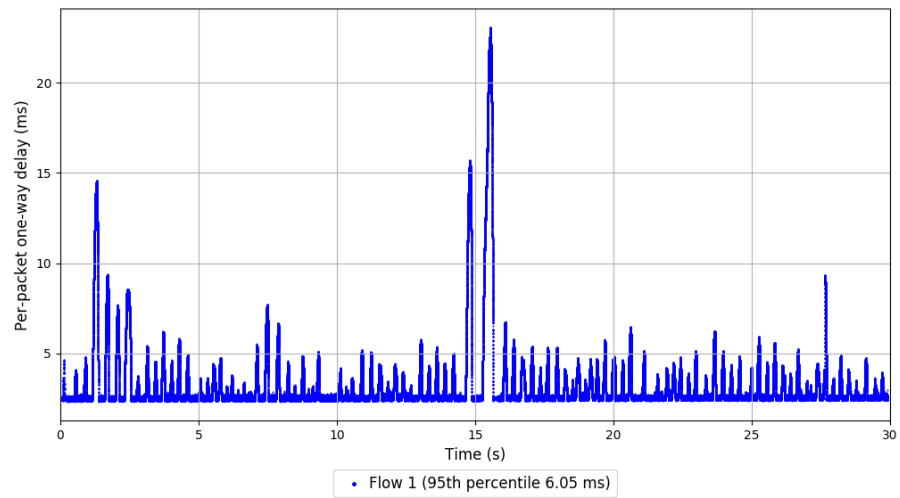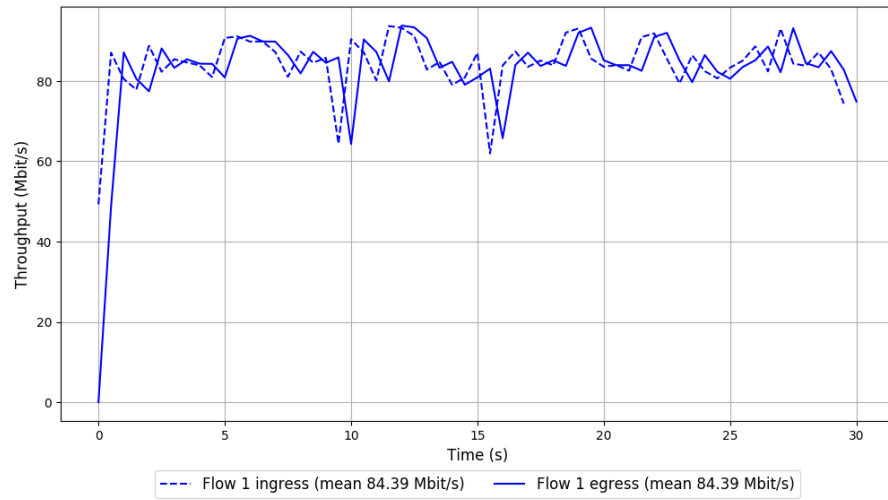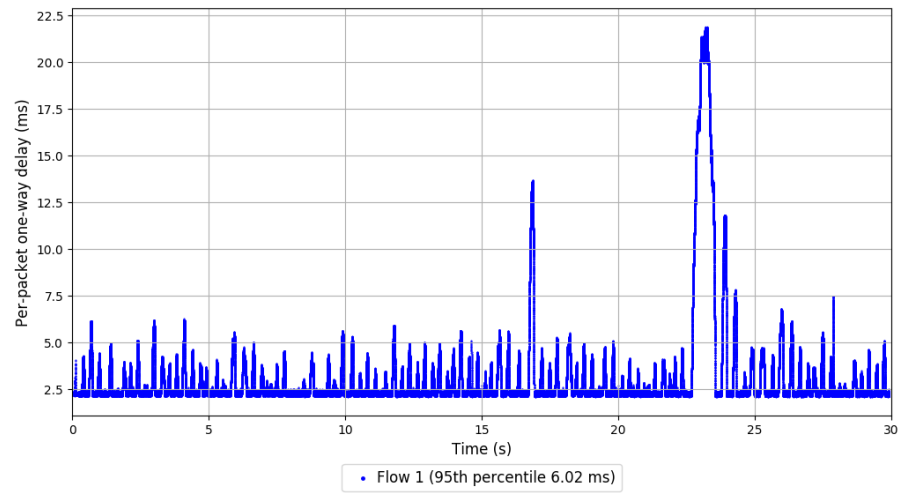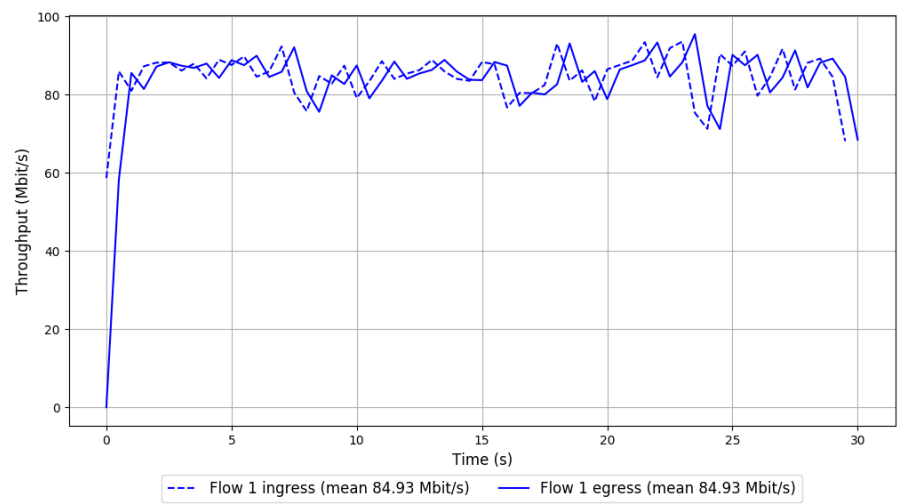Run 2: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 84.79 Mbit/s) ----- Flow 1 egress (mean 84.79 Mbit/s) ——

Flow 1 (95th percentile 5.09 ms)

```
Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 01:42:48
End at: 2018-08-09 01:43:18
Local clock offset: -7.19 ms
Remote clock offset: -1.728 ms


# Below is generated by plot.py at 2018-08-09 04:27:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 32.030 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 32.030 ms
Loss rate: 0.96%
```

Run 3: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 85.52 Mbit/s)   Flow 1 egress (mean 84.62 Mbit/s)

Flow 1 (95th percentile 32.03 ms)

```
Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 02:01:50
End at: 2018-08-09 02:02:20
Local clock offset: -2.595 ms
Remote clock offset: -1.259 ms


# Below is generated by plot.py at 2018-08-09 04:27:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 6.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 6.050 ms
Loss rate: 0.00%
```
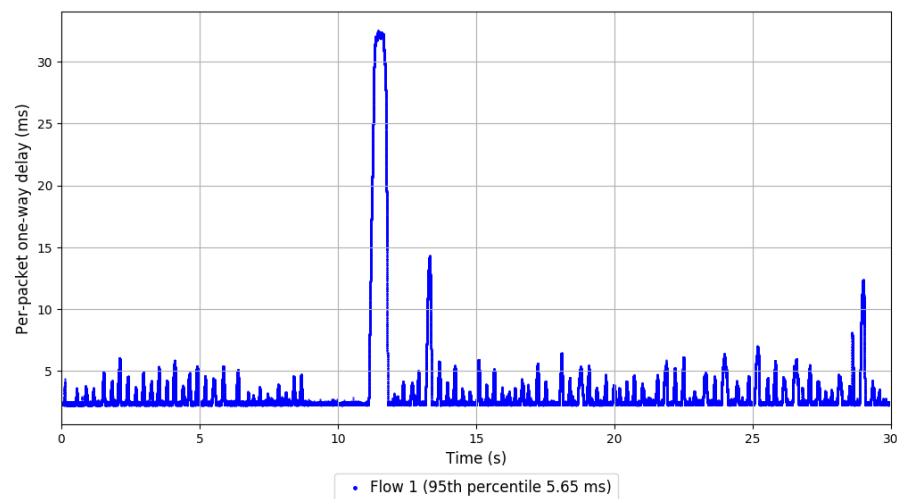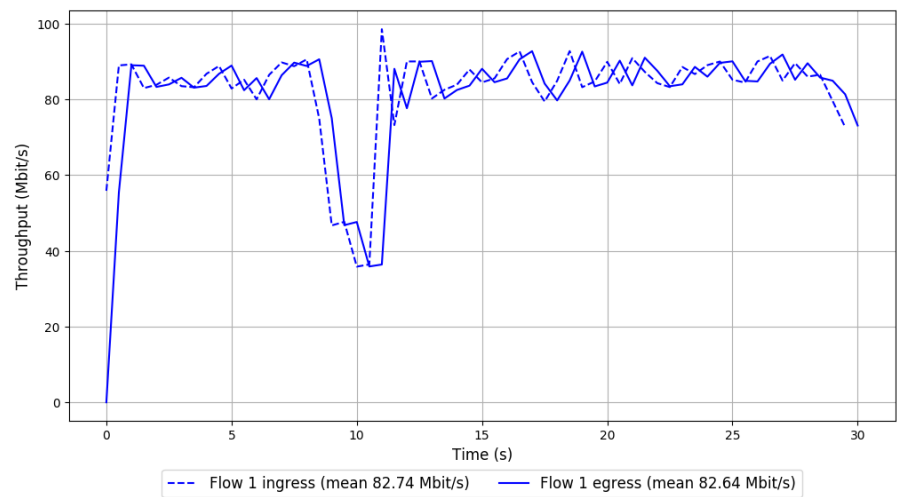
Run 4: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 84.39 Mbit/s)   Flow 1 egress (mean 84.39 Mbit/s)
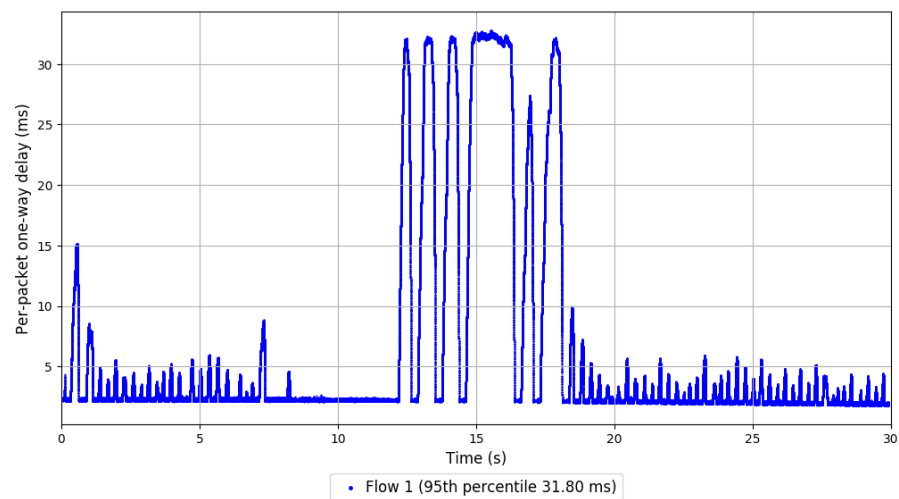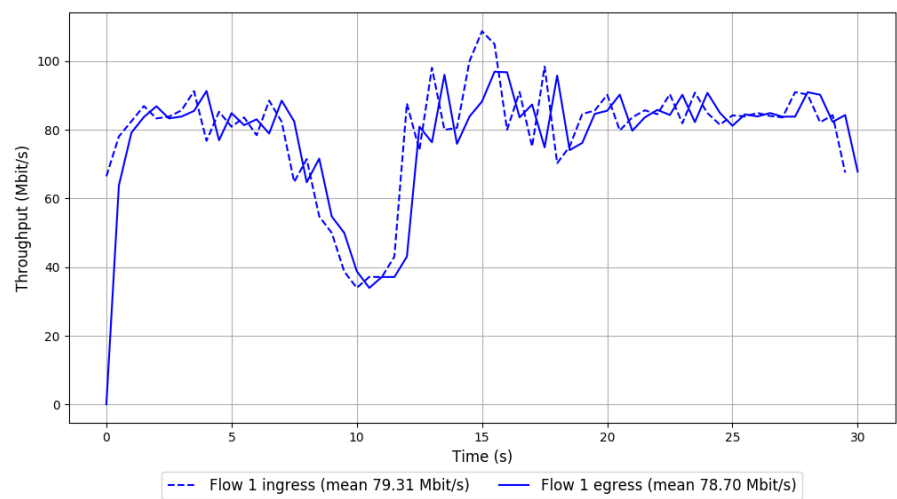

Flow 1 (95th percentile 6.05 ms)

```
Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 02:20:52
End at: 2018-08-09 02:21:22
Local clock offset: -1.758 ms
Remote clock offset: -1.049 ms


# Below is generated by plot.py at 2018-08-09 04:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 6.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 6.019 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Expr — Data Link

```
Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 02:39:54
End at: 2018-08-09 02:40:24
Local clock offset: -1.813 ms
Remote clock offset: -1.897 ms


# Below is generated by plot.py at 2018-08-09 04:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 5.647 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 5.647 ms
Loss rate: 0.12%
```
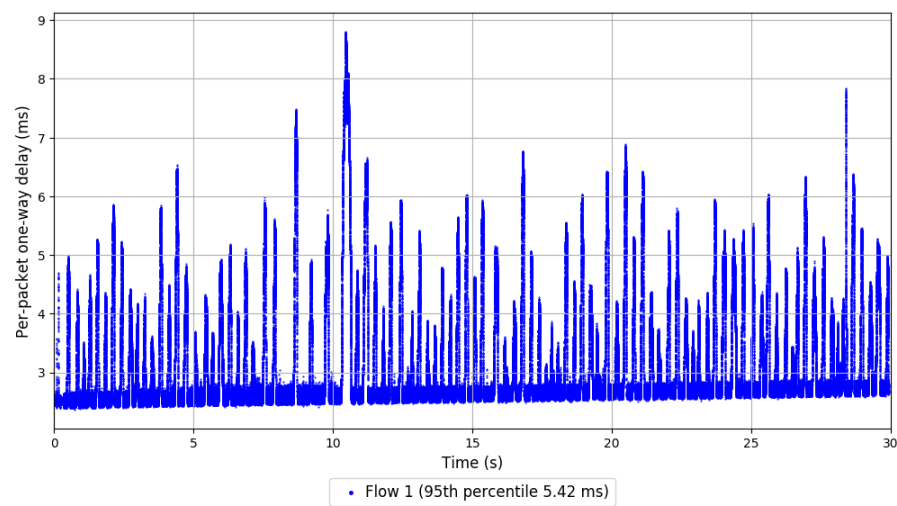
Run 6: Report of PCC-Expr — Data Link

```
Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 02:58:56
End at: 2018-08-09 02:59:26
Local clock offset: -7.07 ms
Remote clock offset: -2.094 ms


# Below is generated by plot.py at 2018-08-09 04:28:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 31.801 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 31.801 ms
Loss rate: 0.78%
```
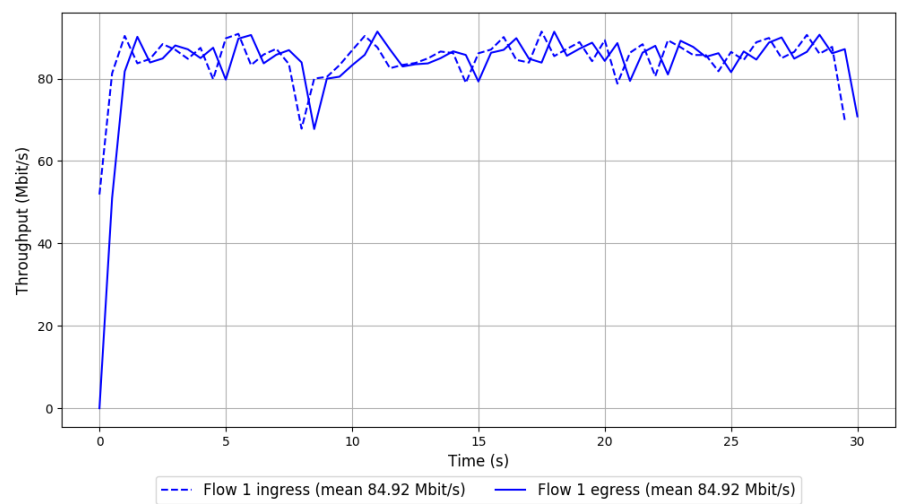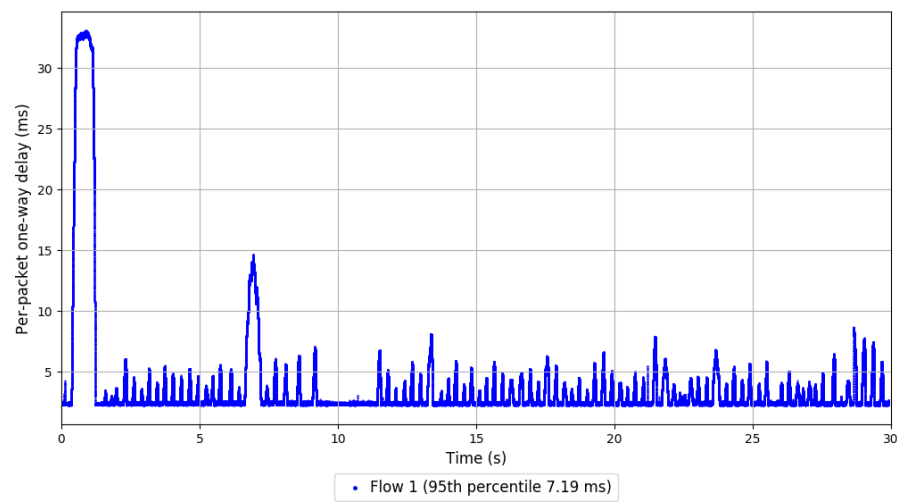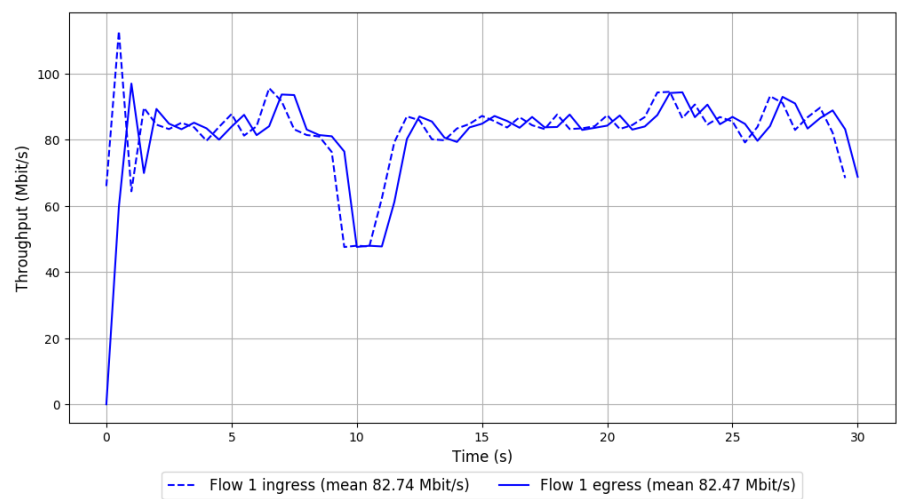
Run 7: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 79.31 Mbit/s)   Flow 1 egress (mean 78.70 Mbit/s)

• Flow 1 (95th percentile 31.80 ms)

```
Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 03:17:58
End at: 2018-08-09 03:18:28
Local clock offset: -7.439 ms
Remote clock offset: 7.953 ms


# Below is generated by plot.py at 2018-08-09 04:28:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 5.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 5.421 ms
Loss rate: 0.00%
```

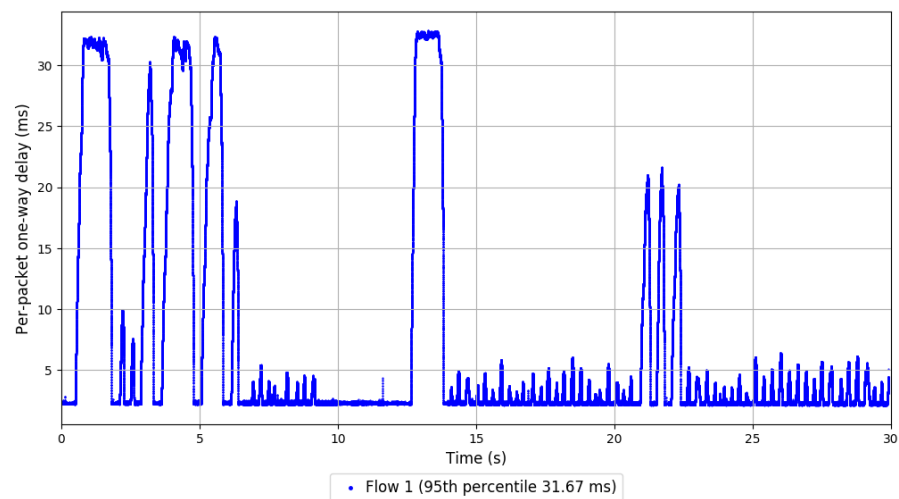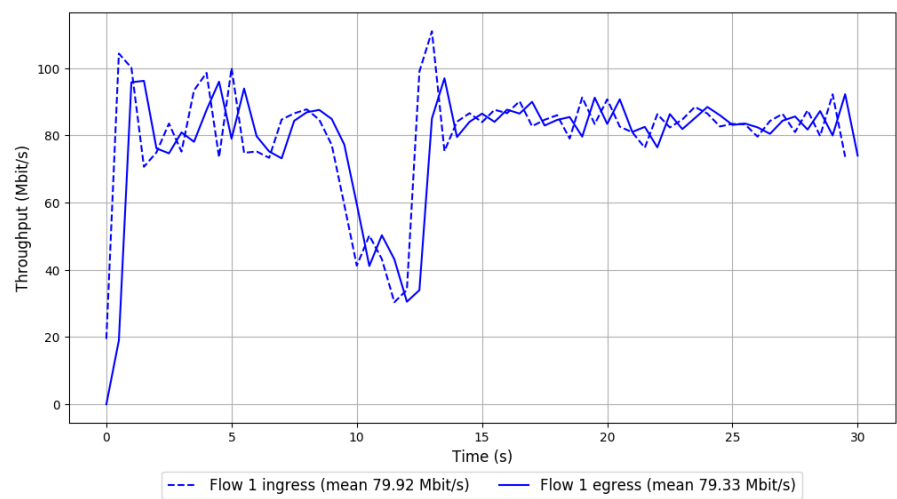Run 8: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 84.92 Mbit/s)   Flow 1 egress (mean 84.92 Mbit/s)

• Flow 1 (95th percentile 5.42 ms)

```
Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 03:37:00
End at: 2018-08-09 03:37:30
Local clock offset: -1.57 ms
Remote clock offset: 11.214 ms


# Below is generated by plot.py at 2018-08-09 04:29:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.47 Mbit/s
95th percentile per-packet one-way delay: 7.186 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 82.47 Mbit/s
95th percentile per-packet one-way delay: 7.186 ms
Loss rate: 0.33%
```

Run 9: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 82.74 Mbit/s)   Flow 1 egress (mean 82.47 Mbit/s)

Flow 1 (95th percentile 7.19 ms)

```
Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 03:56:02
End at: 2018-08-09 03:56:32
Local clock offset: -1.985 ms
Remote clock offset: 13.609 ms


# Below is generated by plot.py at 2018-08-09 04:29:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 31.672 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 31.672 ms
Loss rate: 0.73%
```
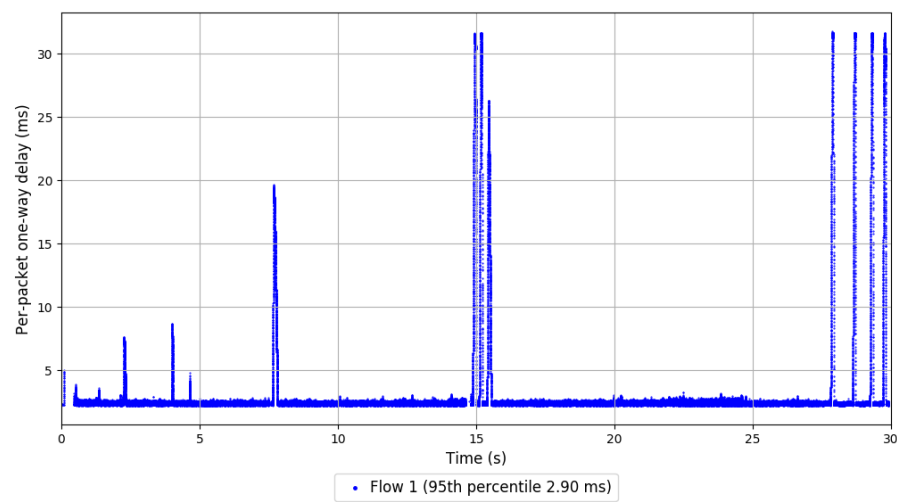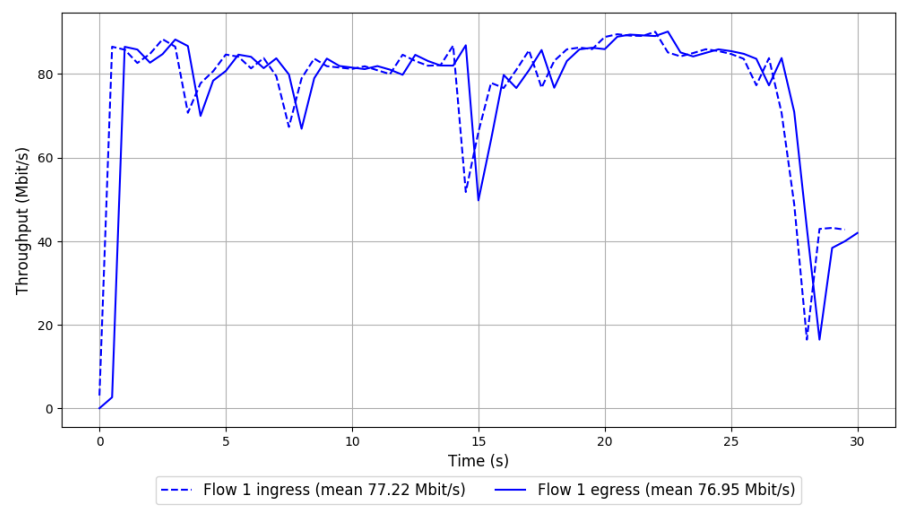
Run 10: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 79.92 Mbit/s)   Flow 1 egress (mean 79.33 Mbit/s)

• Flow 1 (95th percentile 31.67 ms)

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-08-09 01:07:05
End at: 2018-08-09 01:07:35
Local clock offset: -8.69 ms
Remote clock offset: -3.016 ms
```

Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 01:26:04
End at: 2018-08-09 01:26:34
Local clock offset: -7.422 ms
Remote clock offset: -2.293 ms


# Below is generated by plot.py at 2018-08-09 04:29:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 2.901 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 2.901 ms
Loss rate: 0.35%
```
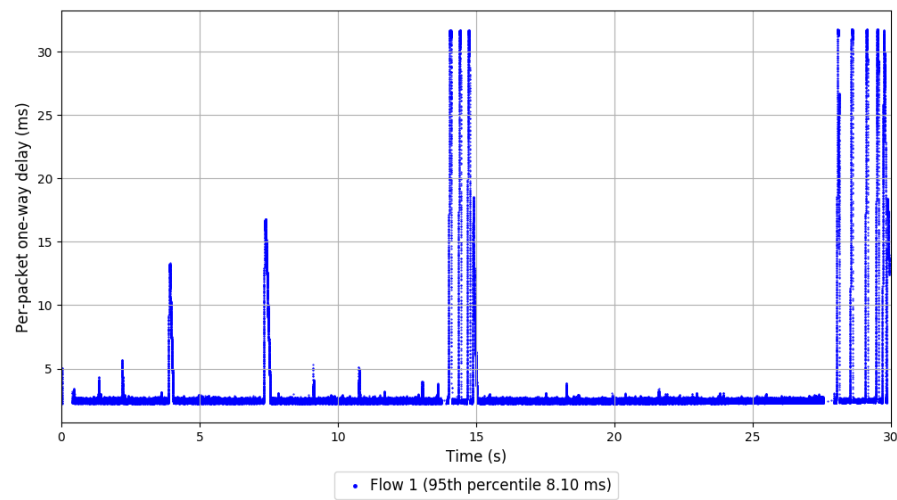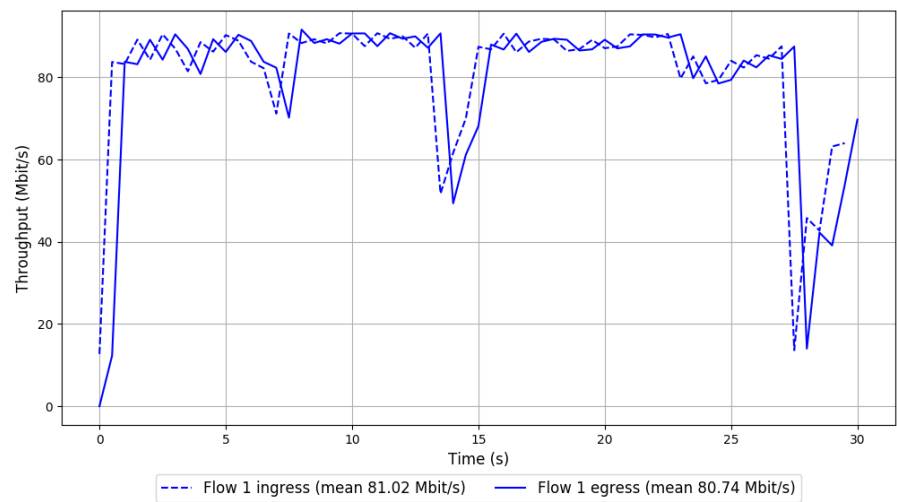
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.22 Mbit/s)   Flow 1 egress (mean 76.95 Mbit/s)

Flow 1 (95th percentile 2.90 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 01:45:06
End at: 2018-08-09 01:45:36
Local clock offset: -7.114 ms
Remote clock offset: -1.608 ms


# Below is generated by plot.py at 2018-08-09 04:29:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 8.096 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 8.096 ms
Loss rate: 0.31%
```
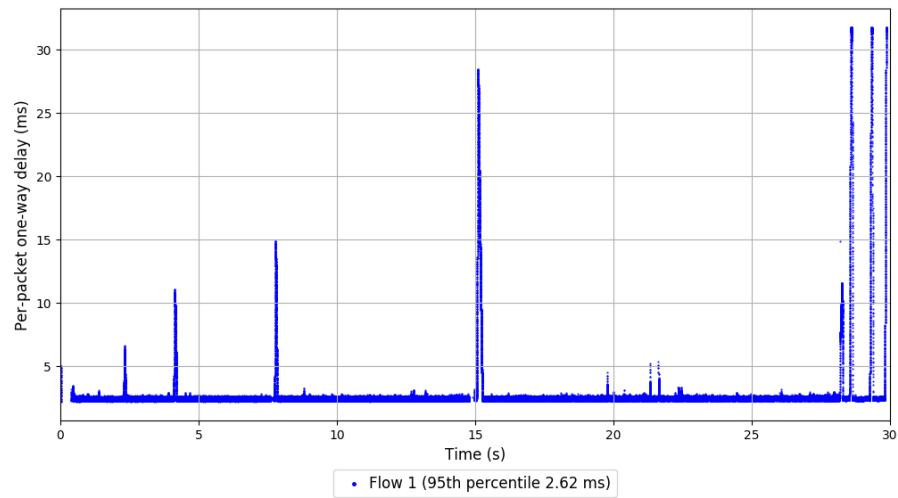
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 02:04:08
End at: 2018-08-09 02:04:38
Local clock offset: -2.409 ms
Remote clock offset: -1.381 ms

# Below is generated by plot.py at 2018-08-09 04:29:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 2.619 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 2.619 ms
Loss rate: 0.23%
```
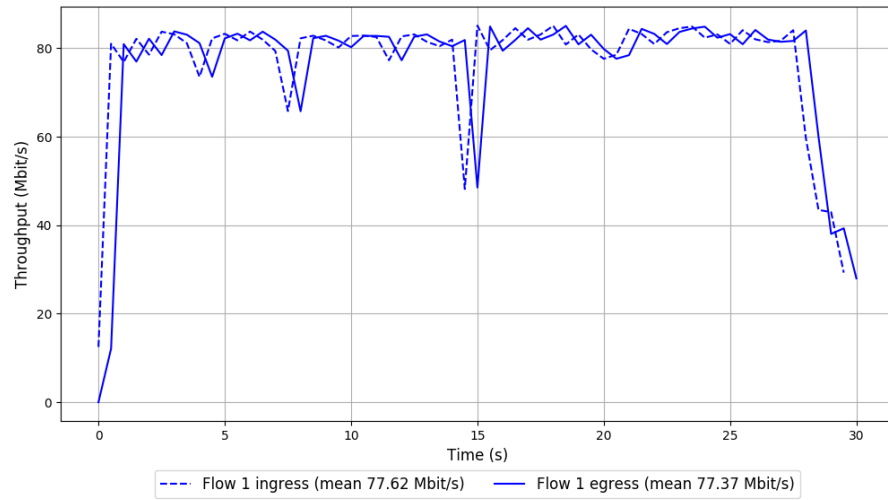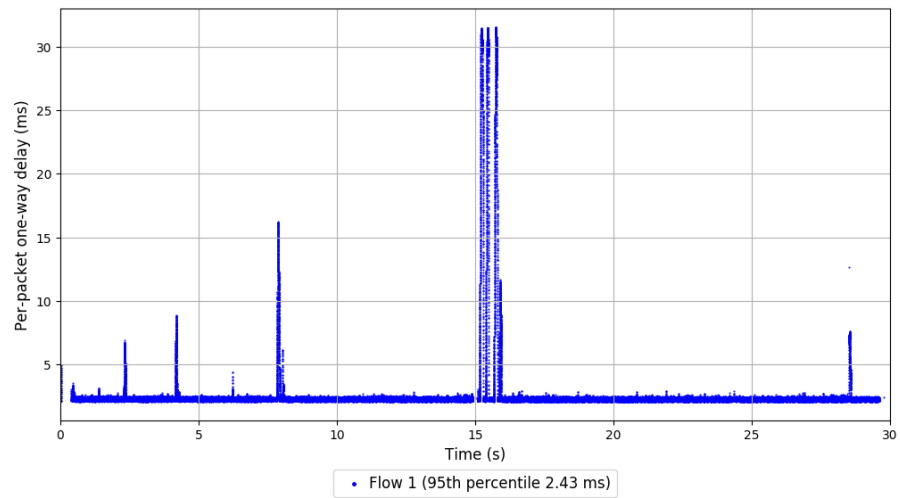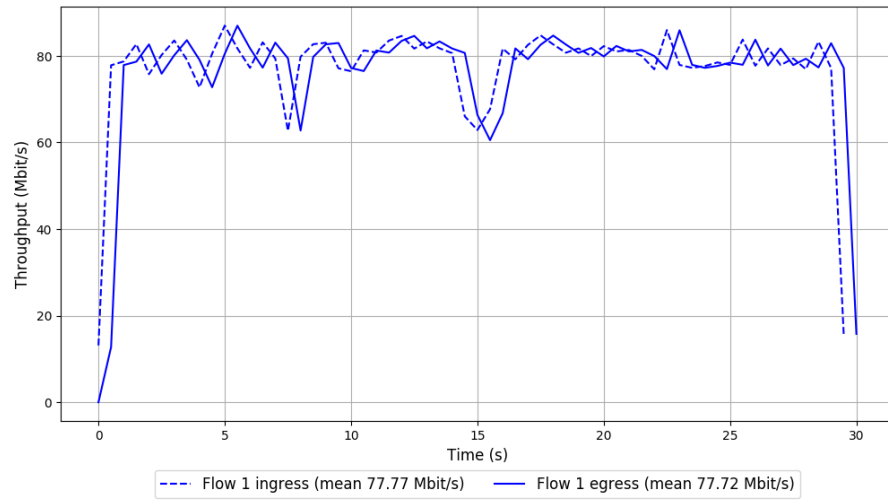
Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 02:23:10
End at: 2018-08-09 02:23:40
Local clock offset: -1.86 ms
Remote clock offset: -1.031 ms


# Below is generated by plot.py at 2018-08-09 04:29:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.72 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.72 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.06%
```
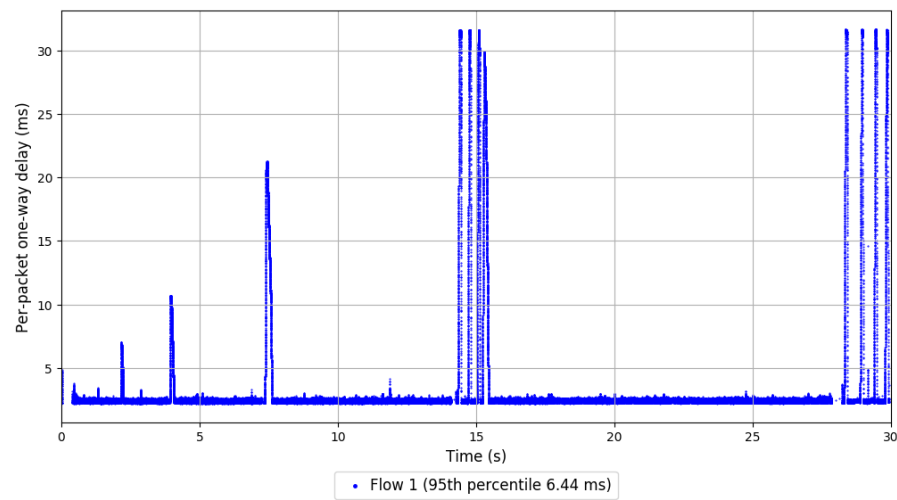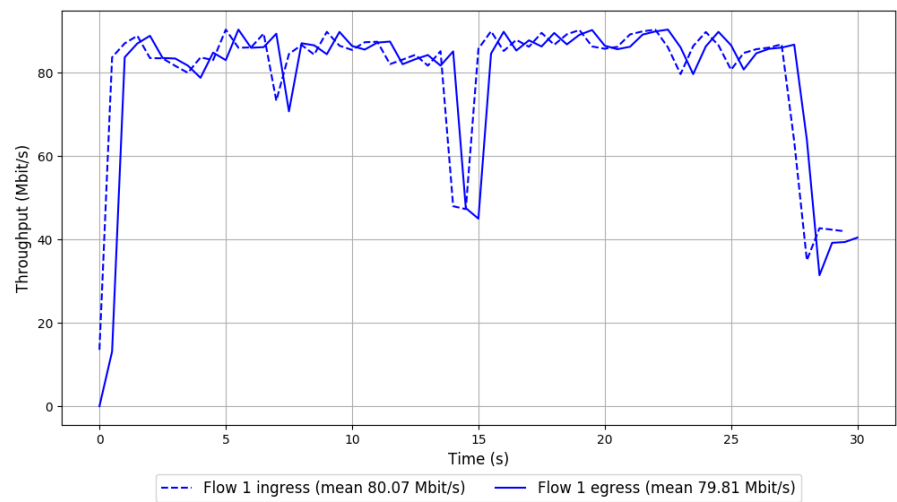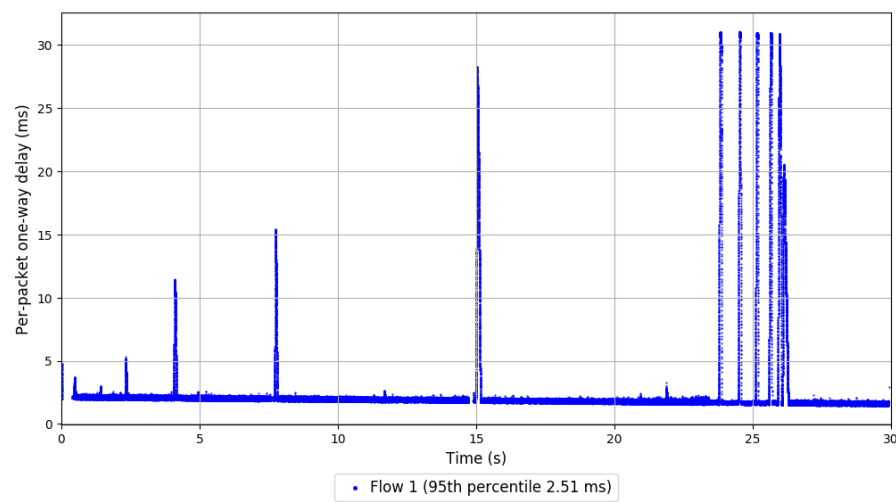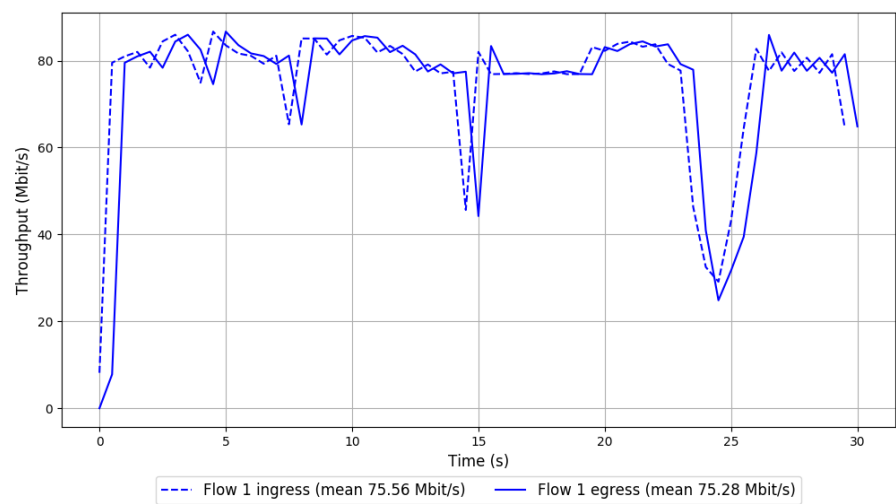
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.77 Mbit/s) --- Flow 1 egress (mean 77.72 Mbit/s)

• Flow 1 (95th percentile 2.43 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 02:42:12
End at: 2018-08-09 02:42:42
Local clock offset: -1.757 ms
Remote clock offset: -1.937 ms


# Below is generated by plot.py at 2018-08-09 04:29:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 6.438 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 6.438 ms
Loss rate: 0.32%
```

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 80.07 Mbit/s)   Flow 1 egress (mean 79.81 Mbit/s)

Flow 1 (95th percentile 6.44 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 03:01:13
End at: 2018-08-09 03:01:43
Local clock offset: -7.511 ms
Remote clock offset: -0.146 ms


# Below is generated by plot.py at 2018-08-09 04:29:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.37%
```
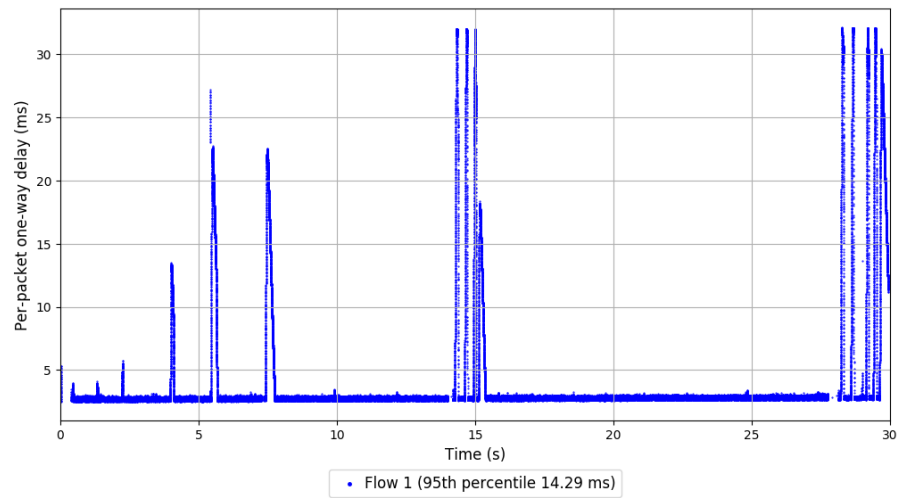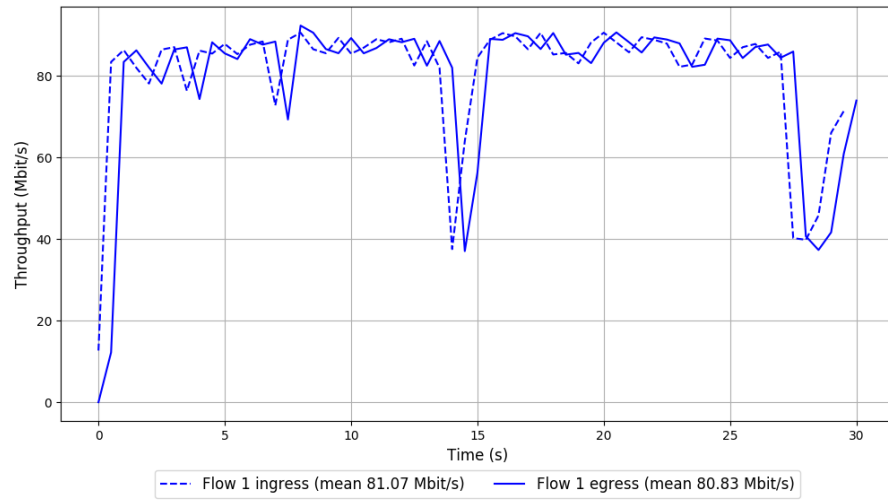
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 75.56 Mbit/s) ----- Flow 1 egress (mean 75.28 Mbit/s) ———

• Flow 1 (95th percentile 2.51 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 03:20:16
End at: 2018-08-09 03:20:46
Local clock offset: -6.093 ms
Remote clock offset: 8.57 ms


# Below is generated by plot.py at 2018-08-09 04:30:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 14.287 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 14.287 ms
Loss rate: 0.26%
```
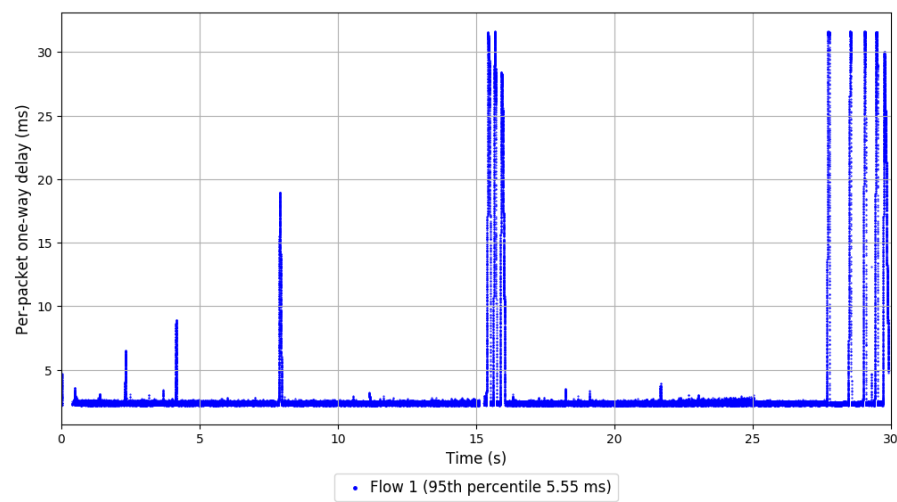
Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 03:39:18
End at: 2018-08-09 03:39:48
Local clock offset: -1.281 ms
Remote clock offset: 11.505 ms


# Below is generated by plot.py at 2018-08-09 04:30:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.67 Mbit/s
95th percentile per-packet one-way delay: 5.552 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 74.67 Mbit/s
95th percentile per-packet one-way delay: 5.552 ms
Loss rate: 0.34%
```
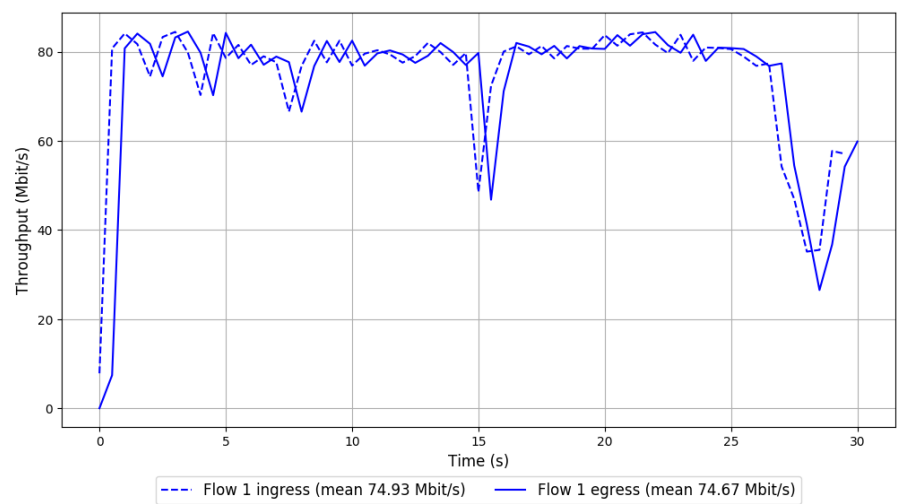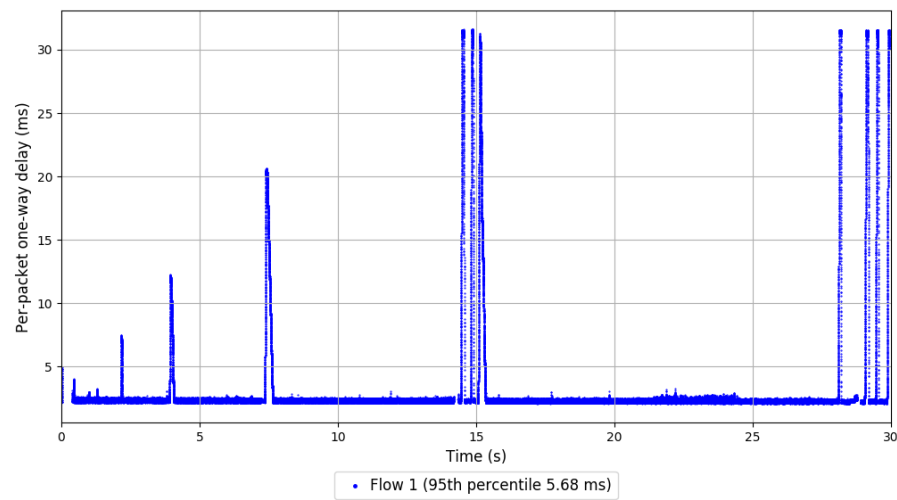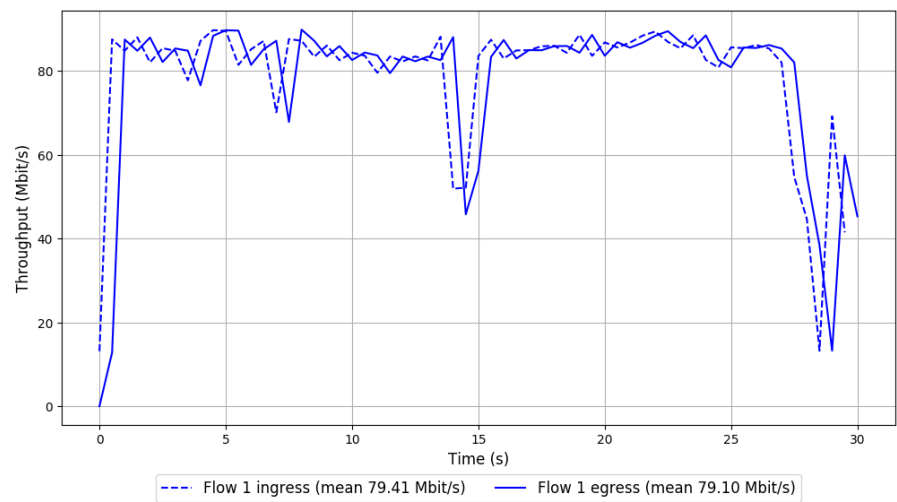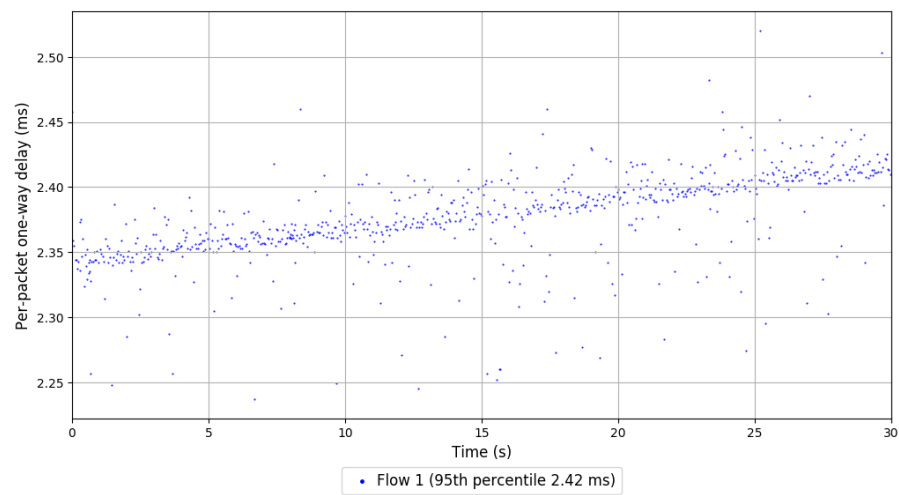
Run 9: Report of QUIC Cubic — Data Link

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 03:58:19
End at: 2018-08-09 03:58:49
Local clock offset: -2.011 ms
Remote clock offset: 13.954 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.10 Mbit/s
95th percentile per-packet one-way delay: 5.685 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 79.10 Mbit/s
95th percentile per-packet one-way delay: 5.685 ms
Loss rate: 0.30%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 79.41 Mbit/s)   Flow 1 egress (mean 79.10 Mbit/s)
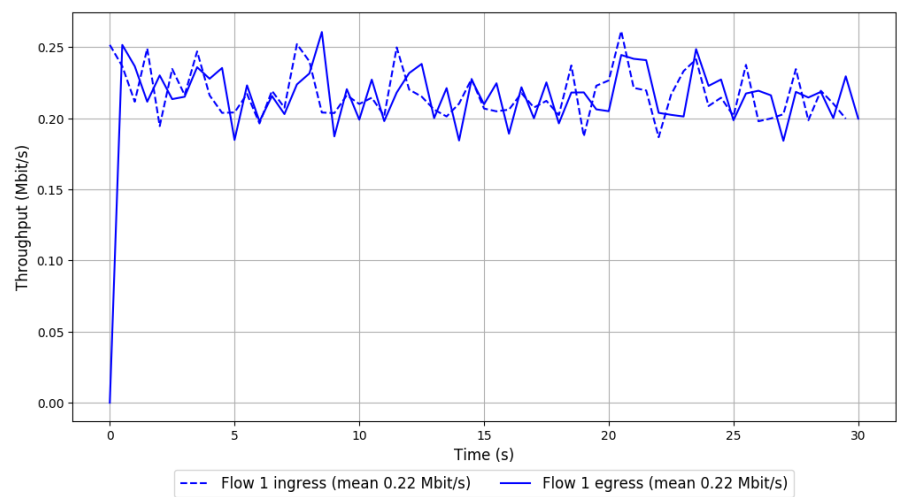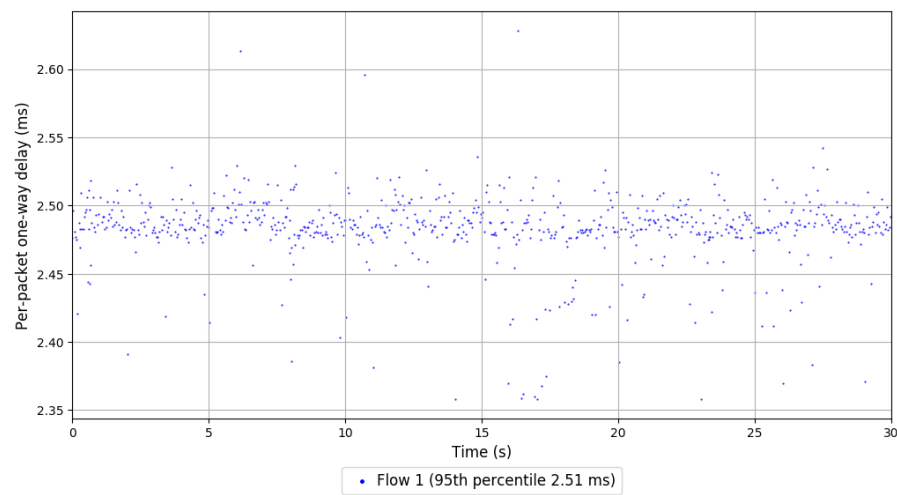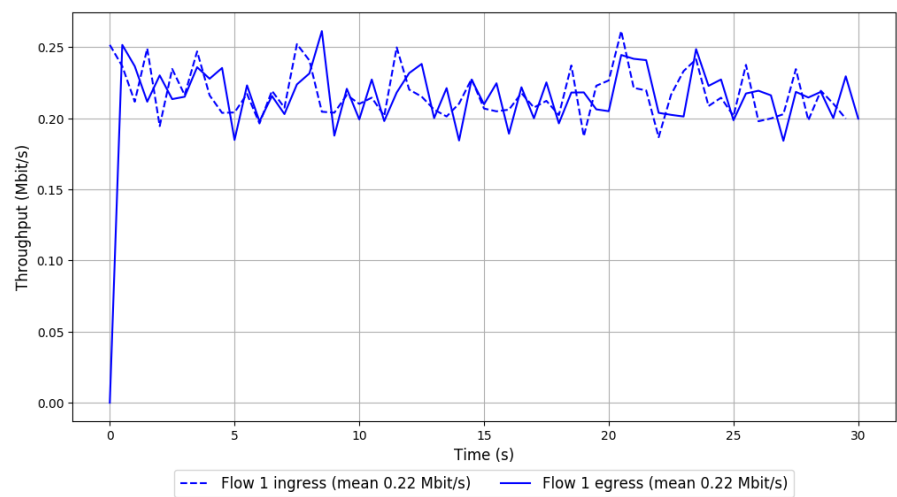

Flow 1 (95th percentile 5.68 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 01:02:38
End at: 2018-08-09 01:03:08
Local clock offset: -9.128 ms
Remote clock offset: -3.041 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.00%
```
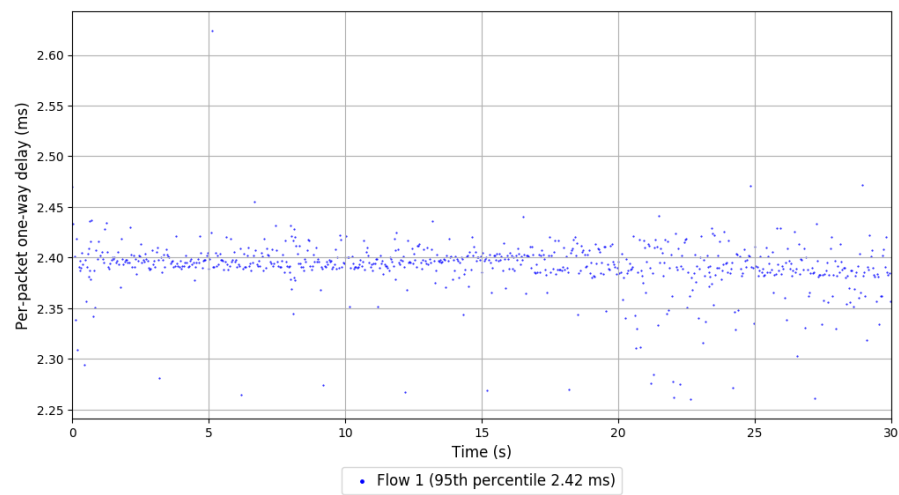
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2018-08-09 01:21:37
End at: 2018-08-09 01:22:07
Local clock offset: -7.769 ms
Remote clock offset: -2.551 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.00%
```

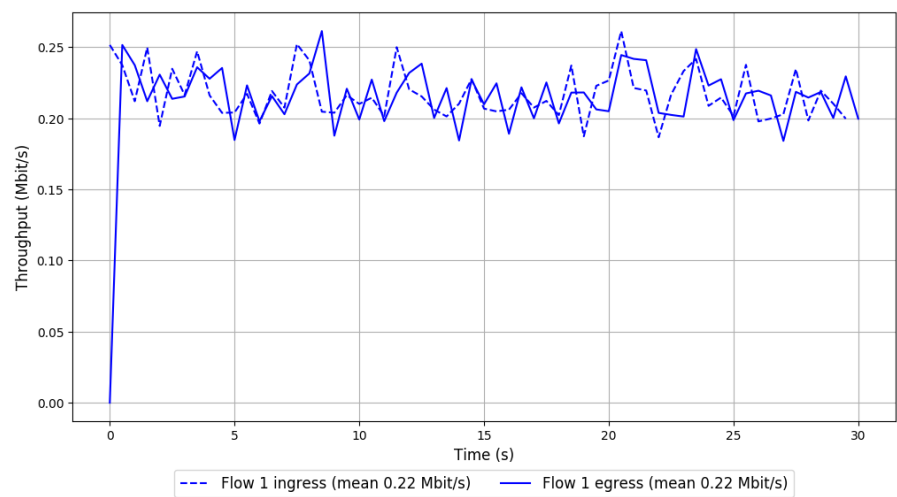## Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2018-08-09 01:40:39
End at: 2018-08-09 01:41:09
Local clock offset: -7.19 ms
Remote clock offset: -1.784 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.420 ms
Loss rate: 0.00%
```
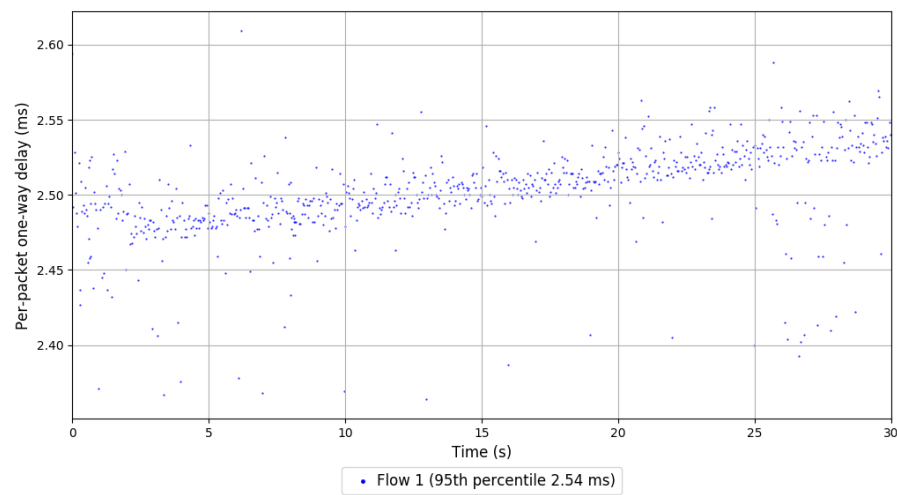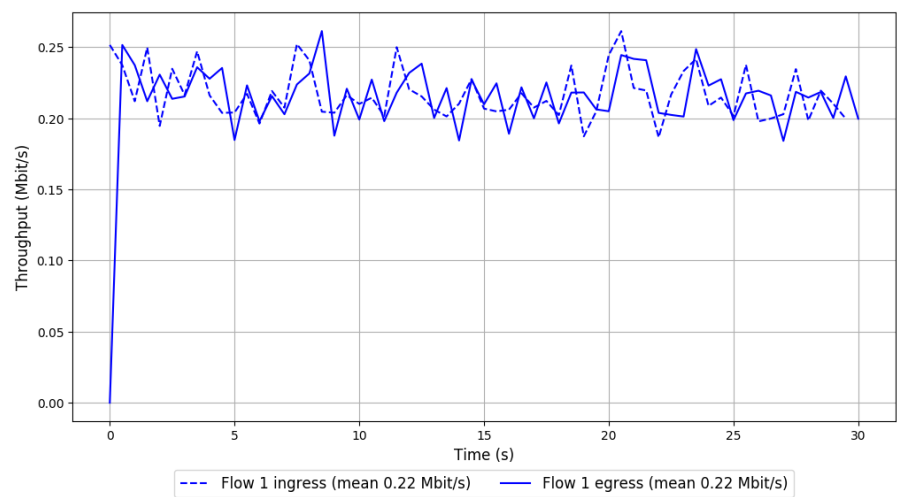
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2018-08-09 01:59:41
End at: 2018-08-09 02:00:11
Local clock offset: -2.932 ms
Remote clock offset: -1.34 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.545 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

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

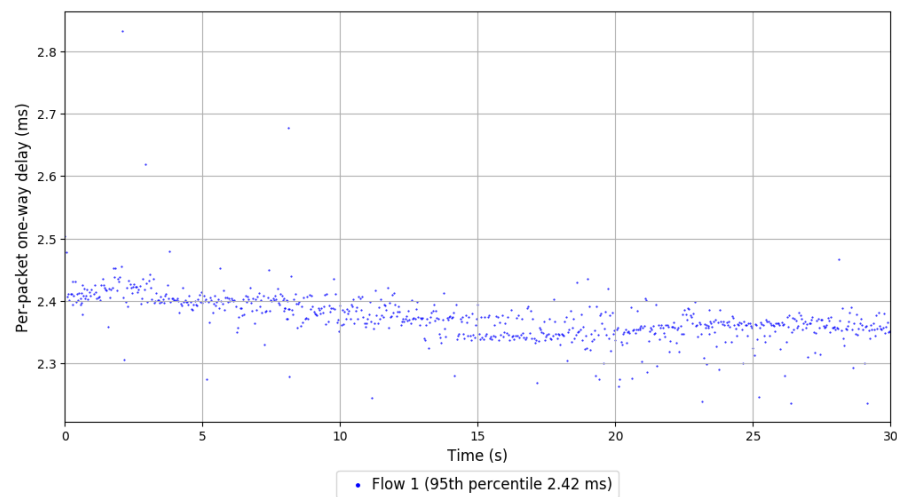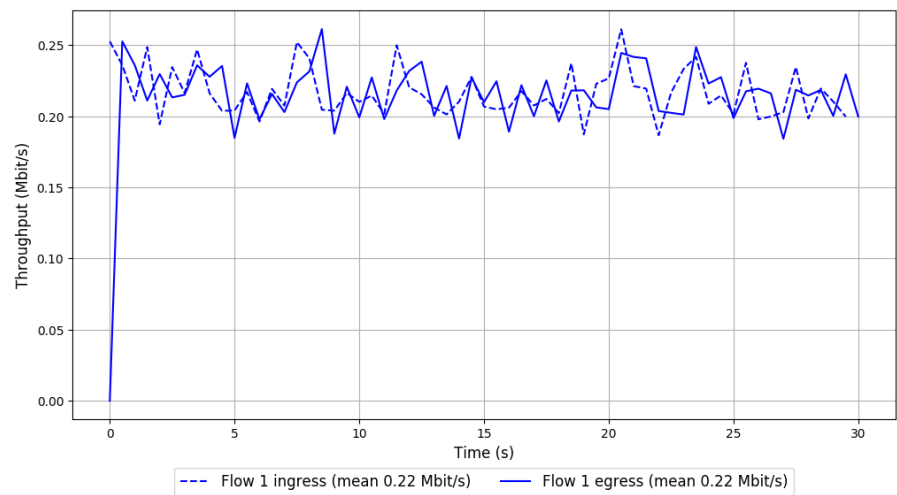Flow 1 (95th percentile 2.54 ms)

```
Run 5: Statistics of SCReAM

Start at: 2018-08-09 02:18:43
End at: 2018-08-09 02:19:13
Local clock offset: -1.67 ms
Remote clock offset: -0.998 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.423 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.423 ms
Loss rate: 0.00%
```
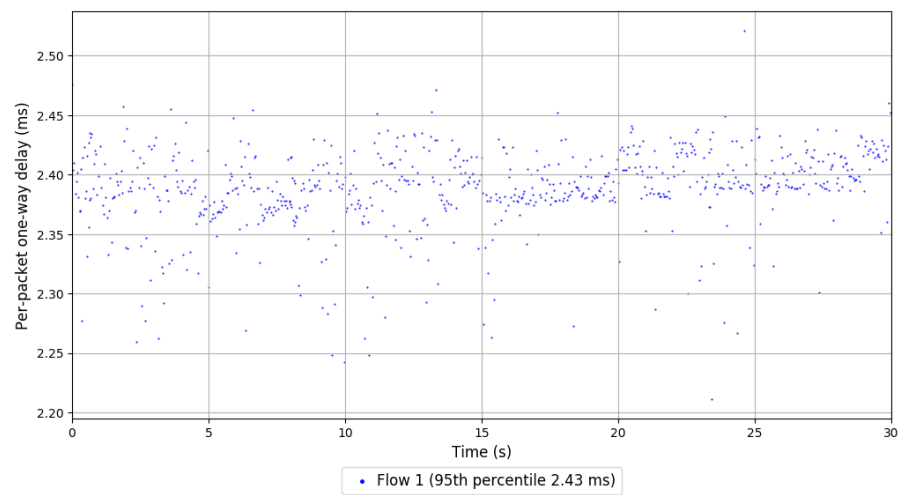
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2018-08-09 02:37:45
End at: 2018-08-09 02:38:15
Local clock offset: -1.855 ms
Remote clock offset: -1.8 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%
```
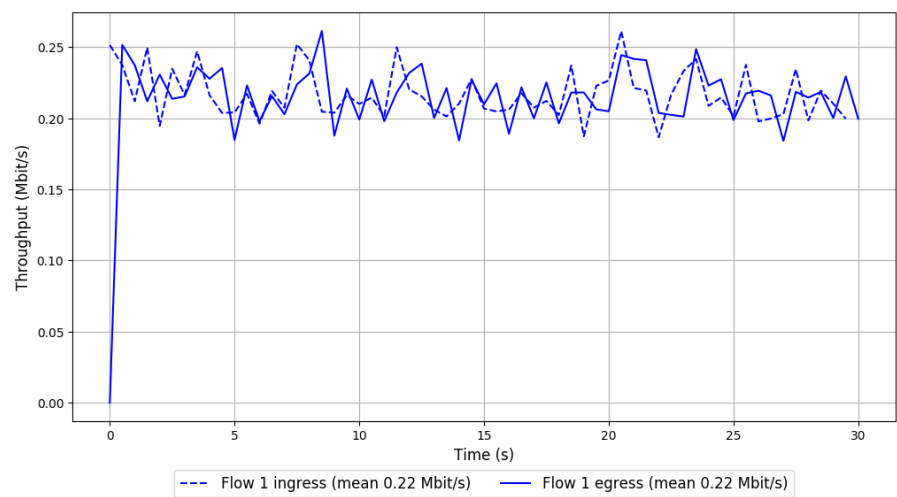
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.43 ms)

```
Run 7: Statistics of SCReAM

Start at: 2018-08-09 02:56:47
End at: 2018-08-09 02:57:17
Local clock offset: -6.589 ms
Remote clock offset: -2.038 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.00%
```
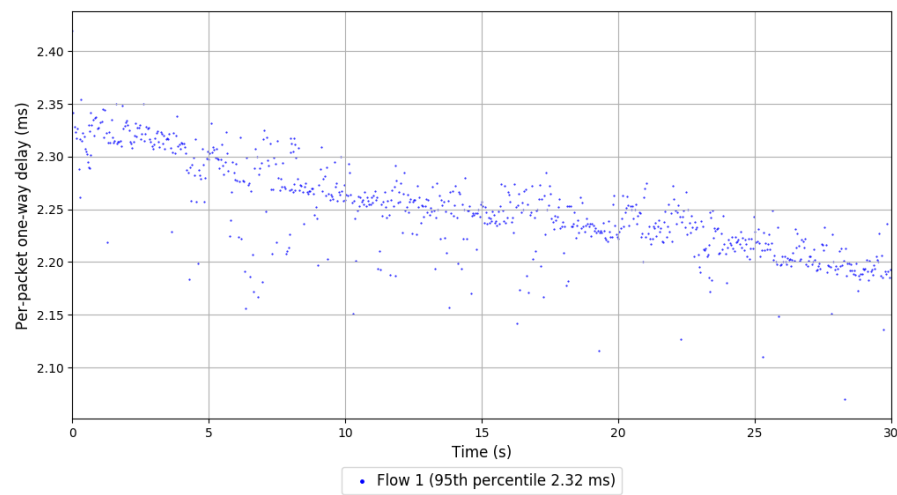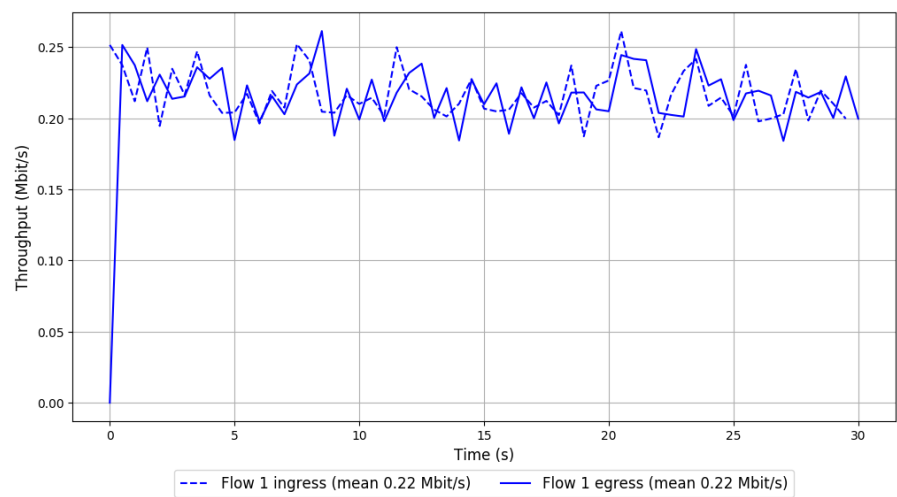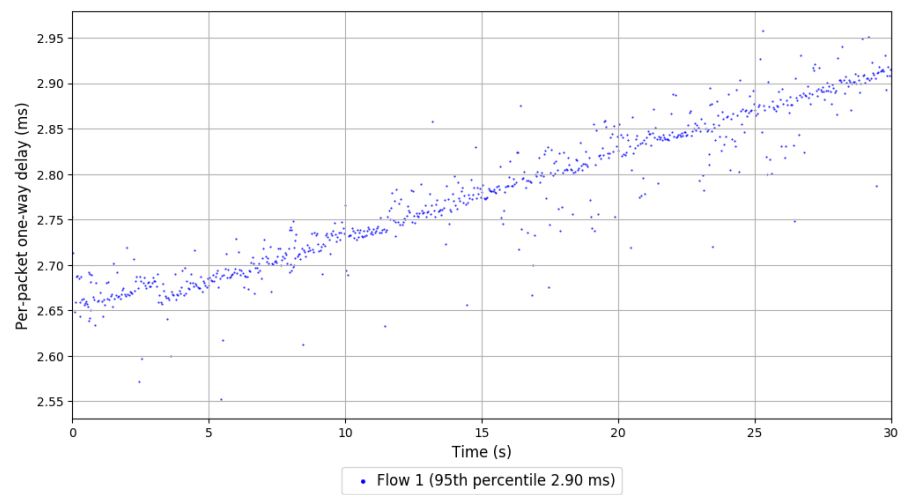
Run 7: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.32 ms)

```
Run 8: Statistics of SCReAM

Start at: 2018-08-09 03:15:49
End at: 2018-08-09 03:16:19
Local clock offset: -9.182 ms
Remote clock offset: 7.427 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.904 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.904 ms
Loss rate: 0.00%
```
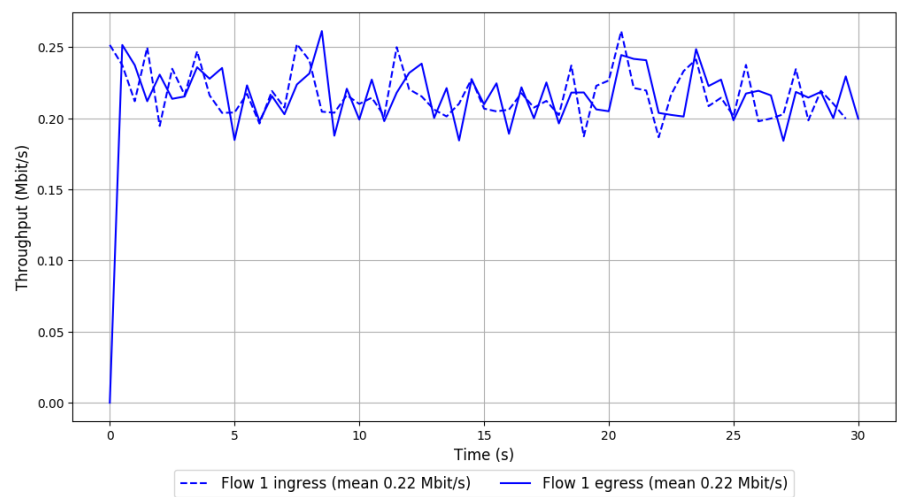
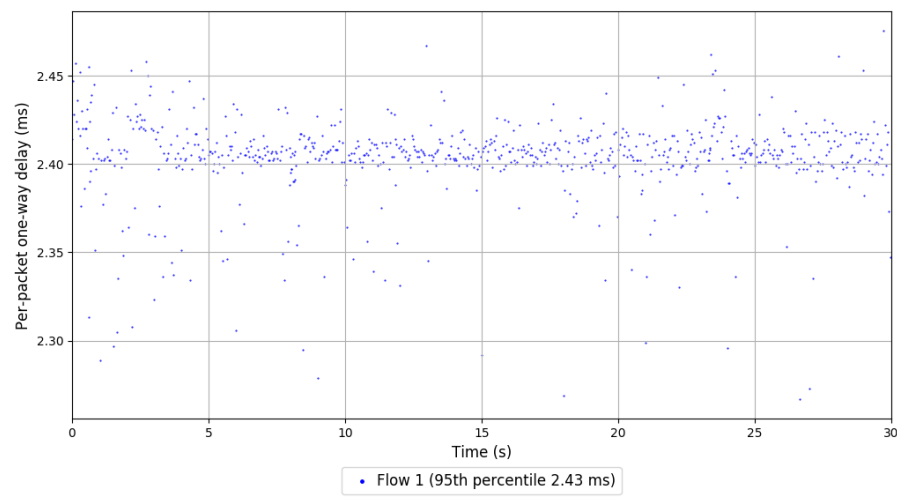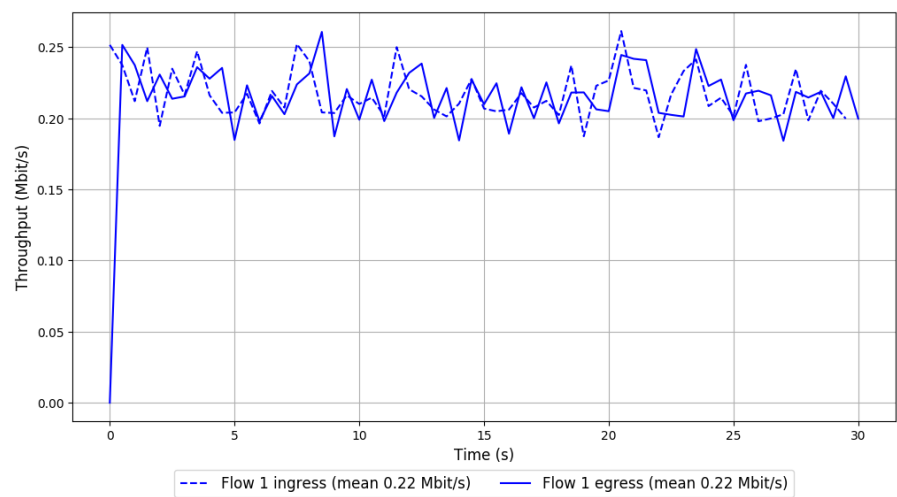Run 8: Report of SCReAM — Data Link

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```
Run 9: Statistics of SCReAM

Start at: 2018-08-09 03:34:51
End at: 2018-08-09 03:35:21
Local clock offset: -1.846 ms
Remote clock offset: 10.913 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2018-08-09 03:53:53
End at: 2018-08-09 03:54:23
Local clock offset: -1.79 ms
Remote clock offset: 13.384 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.288 ms
Loss rate: 0.00%
```
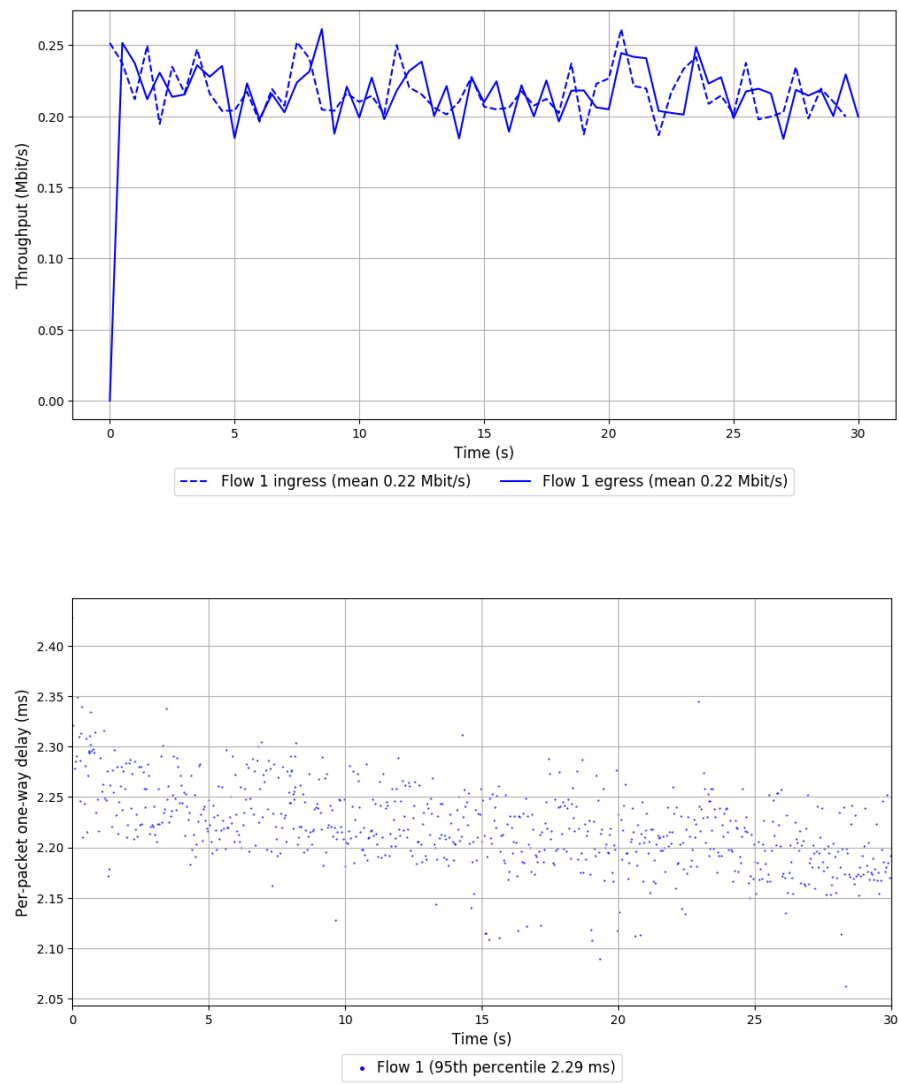
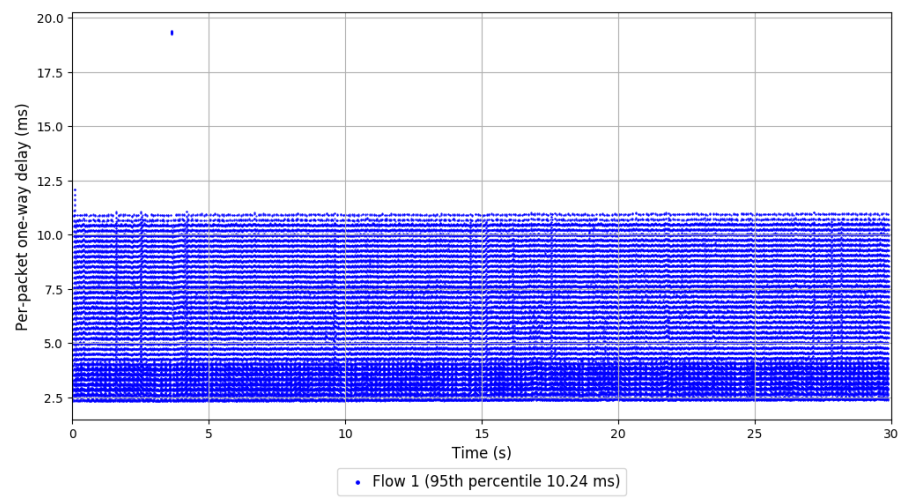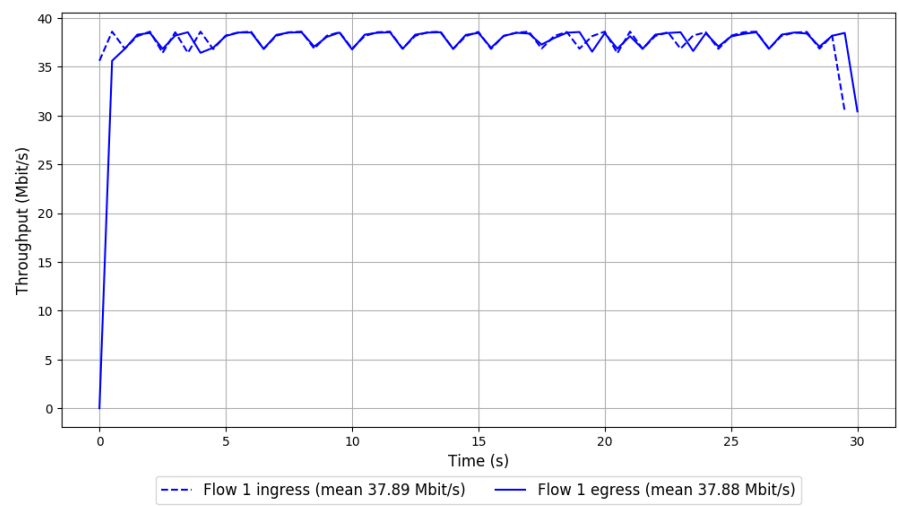# Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of Sprout

Start at: 2018-08-09 01:03:42
End at: 2018-08-09 01:04:12
Local clock offset: -9.025 ms
Remote clock offset: -2.929 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 10.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 10.244 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 37.89 Mbit/s)   Flow 1 egress (mean 37.88 Mbit/s)

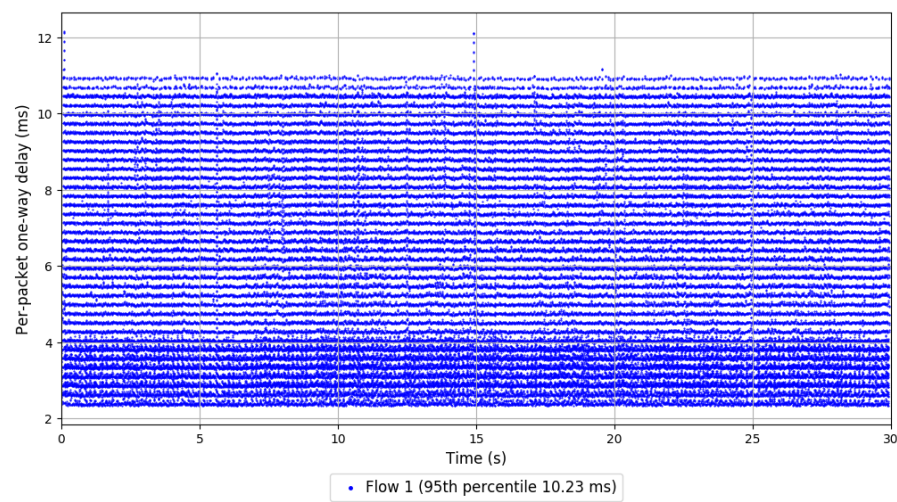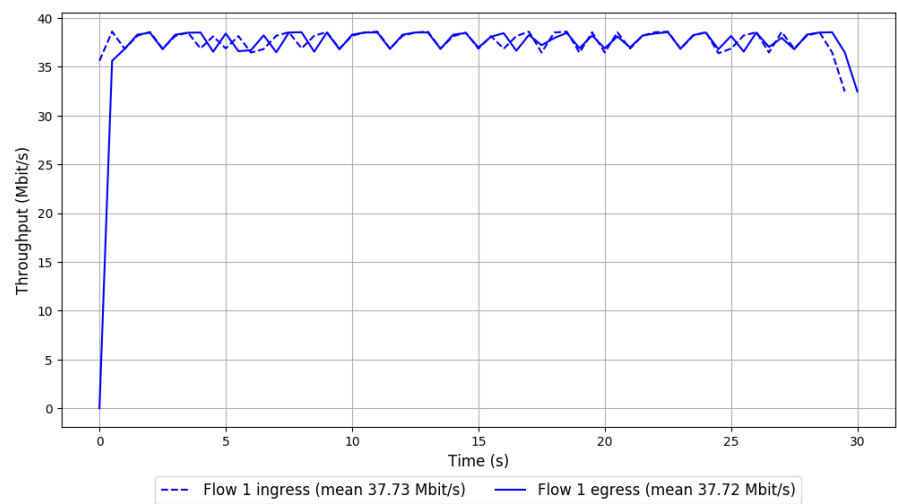Flow 1 (95th percentile 10.24 ms)

225

```
Run 2: Statistics of Sprout

Start at: 2018-08-09 01:22:41
End at: 2018-08-09 01:23:11
Local clock offset: -7.681 ms
Remote clock offset: -2.434 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 10.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 10.227 ms
Loss rate: 0.00%
```
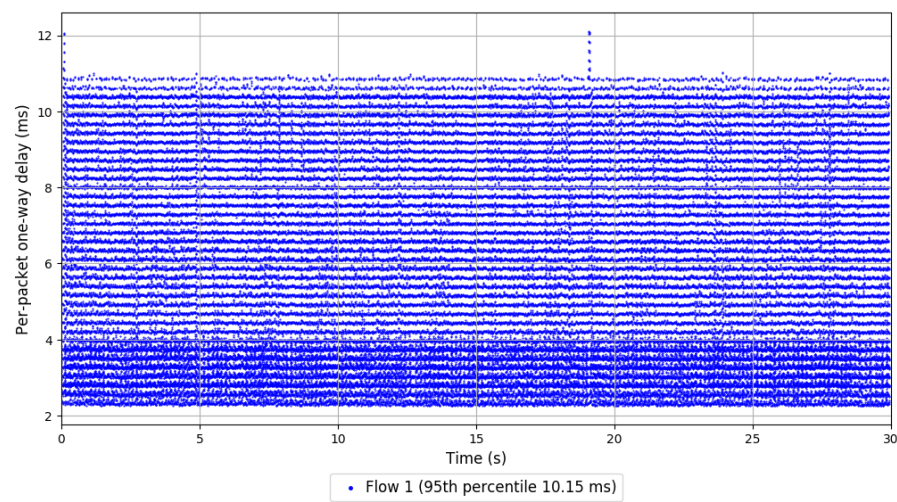
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 37.73 Mbit/s)   Flow 1 egress (mean 37.72 Mbit/s)

Flow 1 (95th percentile 10.23 ms)

```
Run 3: Statistics of Sprout

Start at: 2018-08-09 01:41:42
End at: 2018-08-09 01:42:13
Local clock offset: -7.12 ms
Remote clock offset: -1.66 ms


# Below is generated by plot.py at 2018-08-09 04:30:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 10.155 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 10.155 ms
Loss rate: 0.01%
```
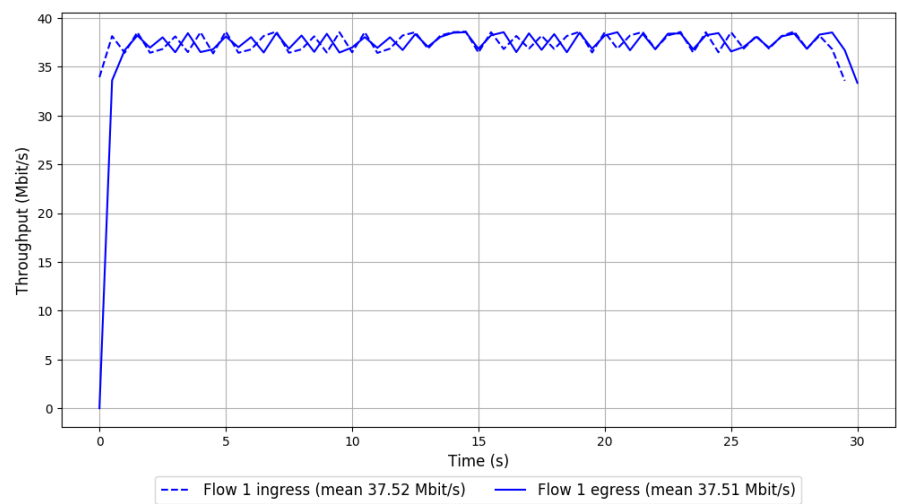
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 37.52 Mbit/s) --- Flow 1 egress (mean 37.51 Mbit/s)

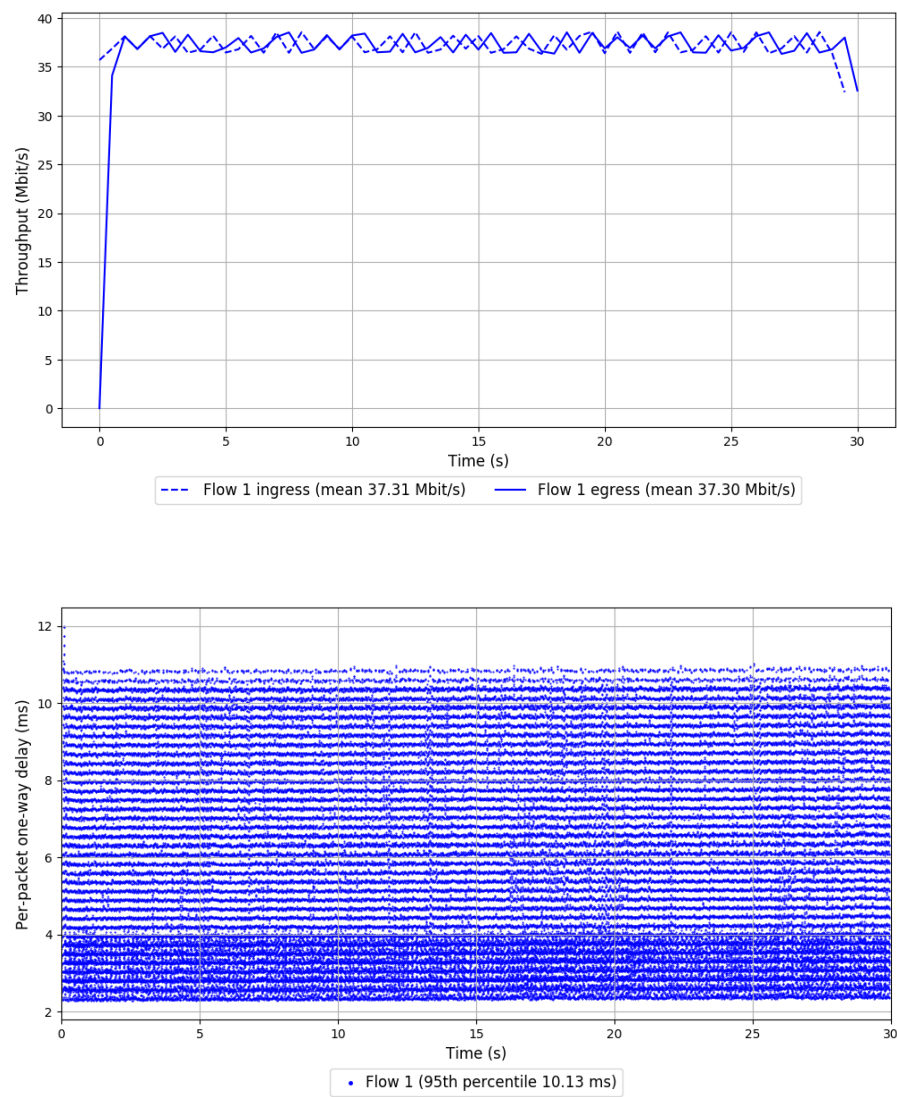• Flow 1 (95th percentile 10.15 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-08-09 02:00:45
End at: 2018-08-09 02:01:15
Local clock offset: -2.757 ms
Remote clock offset: -1.327 ms


# Below is generated by plot.py at 2018-08-09 04:30:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 10.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 10.133 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 37.31 Mbit/s) --- Flow 1 egress (mean 37.30 Mbit/s)

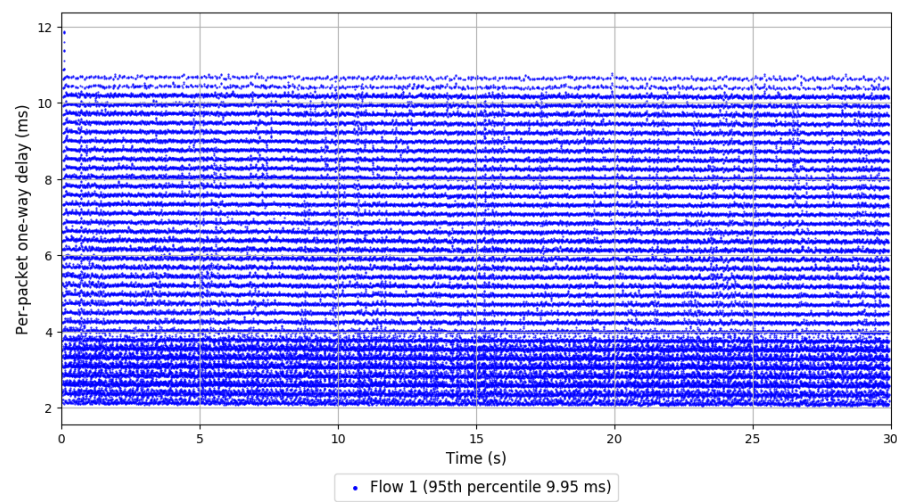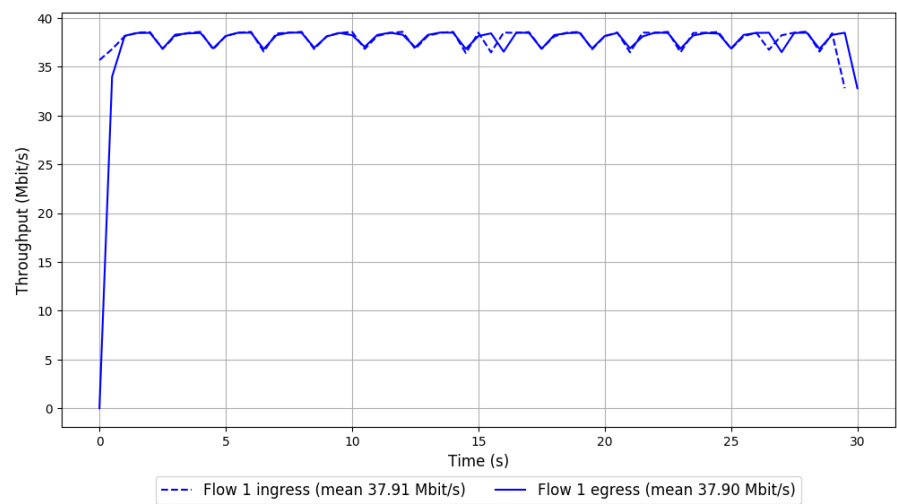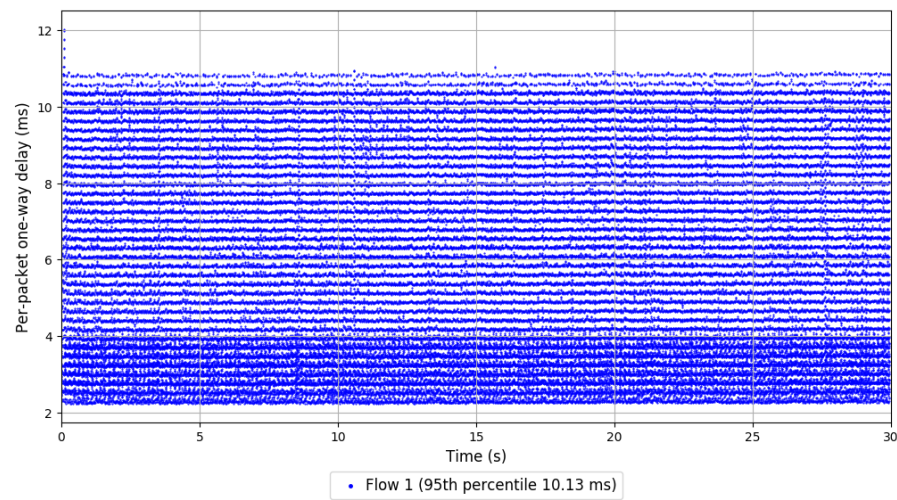• Flow 1 (95th percentile 10.13 ms)

```
Run 5: Statistics of Sprout

Start at: 2018-08-09 02:19:47
End at: 2018-08-09 02:20:17
Local clock offset: -1.703 ms
Remote clock offset: -1.084 ms


# Below is generated by plot.py at 2018-08-09 04:30:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 9.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 9.952 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 37.91 Mbit/s) ----- Flow 1 egress (mean 37.90 Mbit/s)

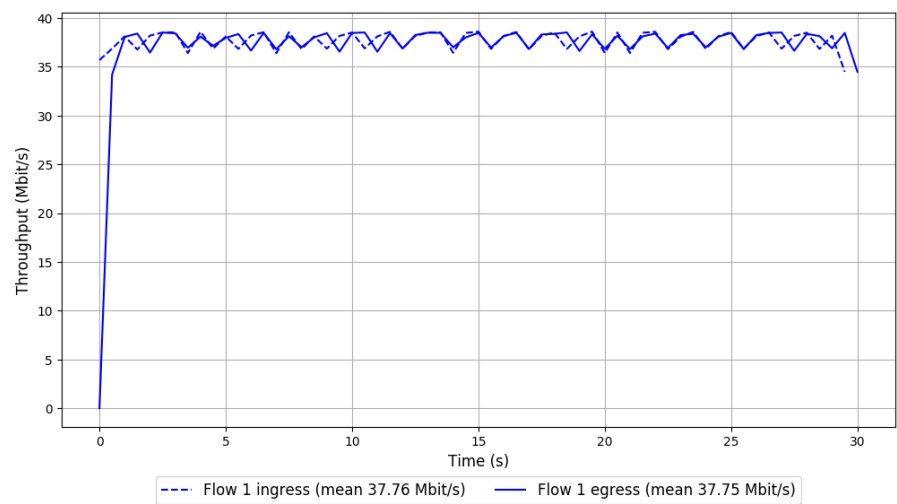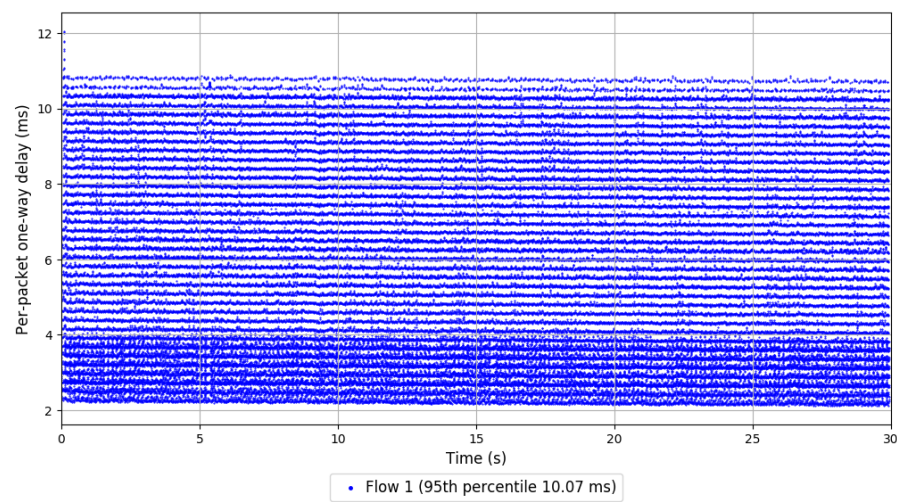Flow 1 (95th percentile 9.95 ms)

```
Run 6: Statistics of Sprout

Start at: 2018-08-09 02:38:48
End at: 2018-08-09 02:39:18
Local clock offset: -1.834 ms
Remote clock offset: -1.813 ms


# Below is generated by plot.py at 2018-08-09 04:30:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 10.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 10.131 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 37.76 Mbit/s) ----- Flow 1 egress (mean 37.75 Mbit/s)

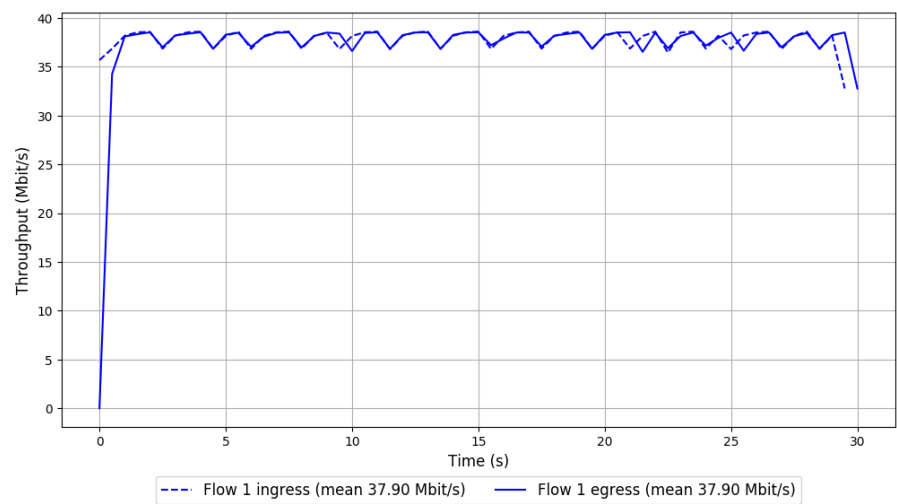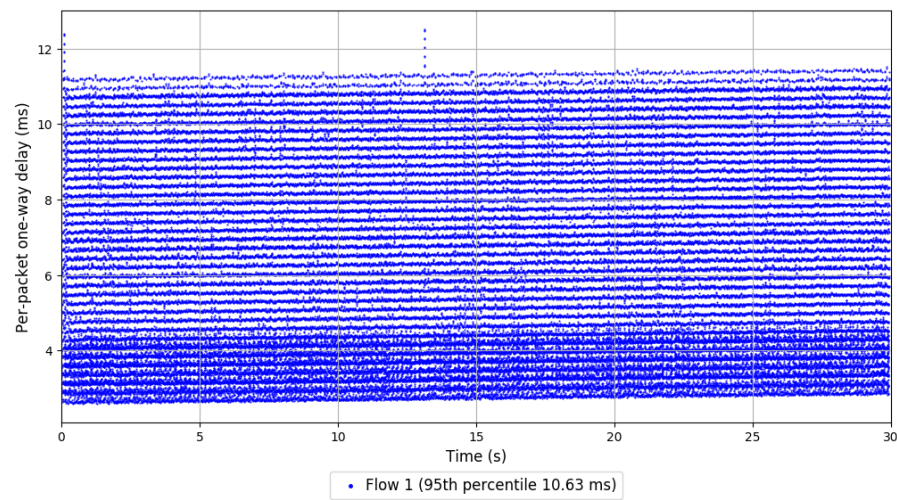• Flow 1 (95th percentile 10.13 ms)

```
Run 7: Statistics of Sprout

Start at: 2018-08-09 02:57:50
End at: 2018-08-09 02:58:20
Local clock offset: -6.914 ms
Remote clock offset: -2.042 ms


# Below is generated by plot.py at 2018-08-09 04:30:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 10.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 10.071 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 37.90 Mbit/s)   Flow 1 egress (mean 37.90 Mbit/s)

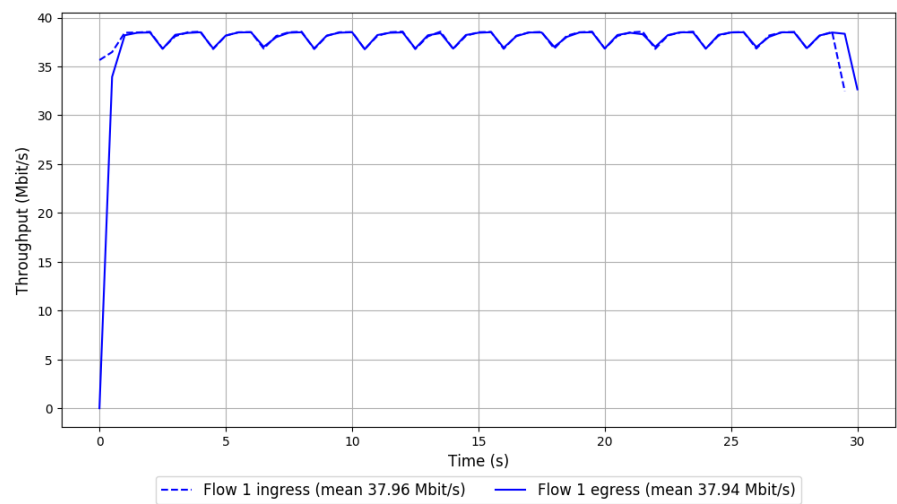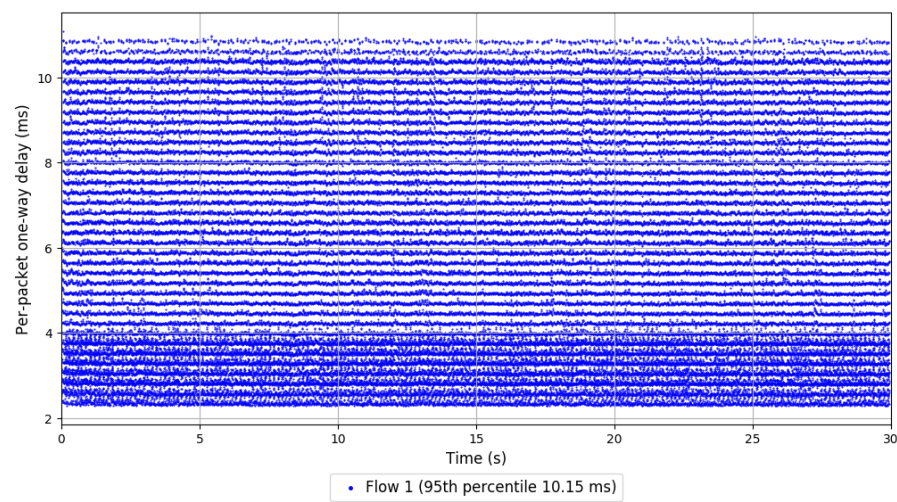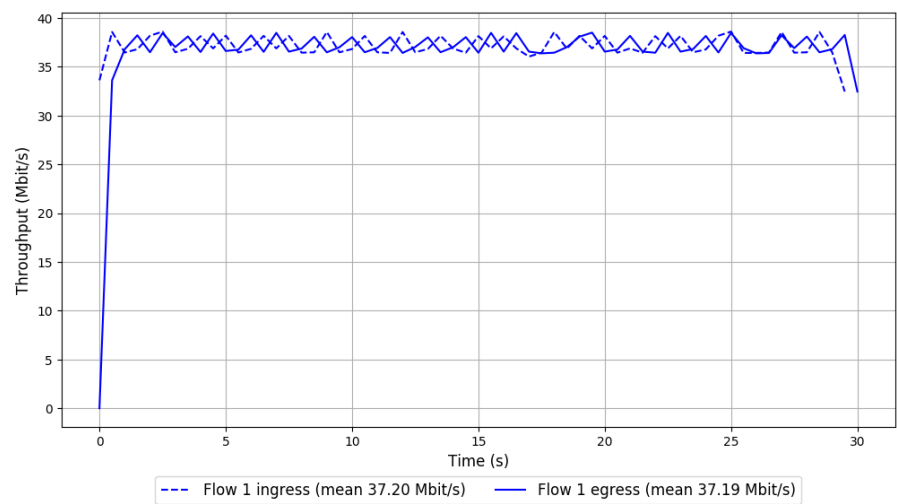• Flow 1 (95th percentile 10.07 ms)

```
Run 8: Statistics of Sprout

Start at: 2018-08-09 03:16:52
End at: 2018-08-09 03:17:22
Local clock offset: -8.466 ms
Remote clock offset: 7.68 ms


# Below is generated by plot.py at 2018-08-09 04:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 10.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 10.630 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 37.96 Mbit/s)   Flow 1 egress (mean 37.94 Mbit/s)

Flow 1 (95th percentile 10.63 ms)

```
Run 9: Statistics of Sprout

Start at: 2018-08-09 03:35:55
End at: 2018-08-09 03:36:25
Local clock offset: -1.755 ms
Remote clock offset: 11.068 ms


# Below is generated by plot.py at 2018-08-09 04:30:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 10.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 10.155 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-08-09 03:54:56
End at: 2018-08-09 03:55:26
Local clock offset: -1.852 ms
Remote clock offset: 13.49 ms


# Below is generated by plot.py at 2018-08-09 04:30:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 9.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 9.932 ms
Loss rate: 0.00%
```
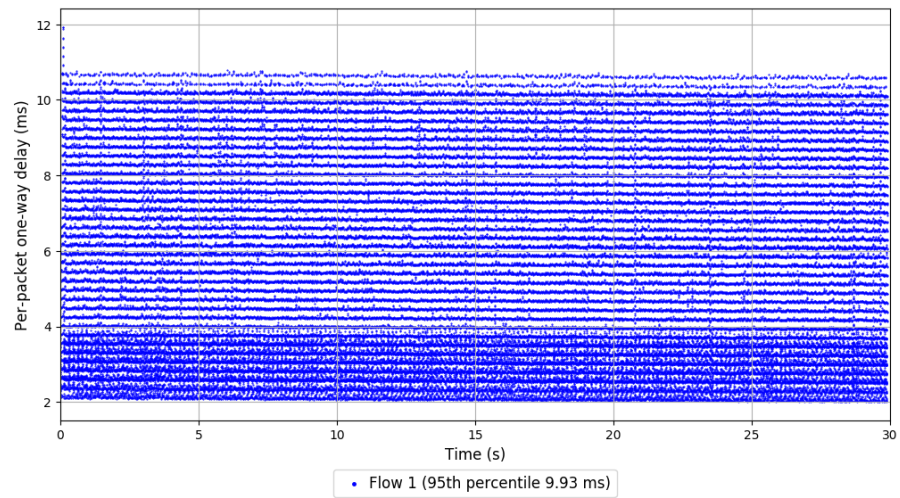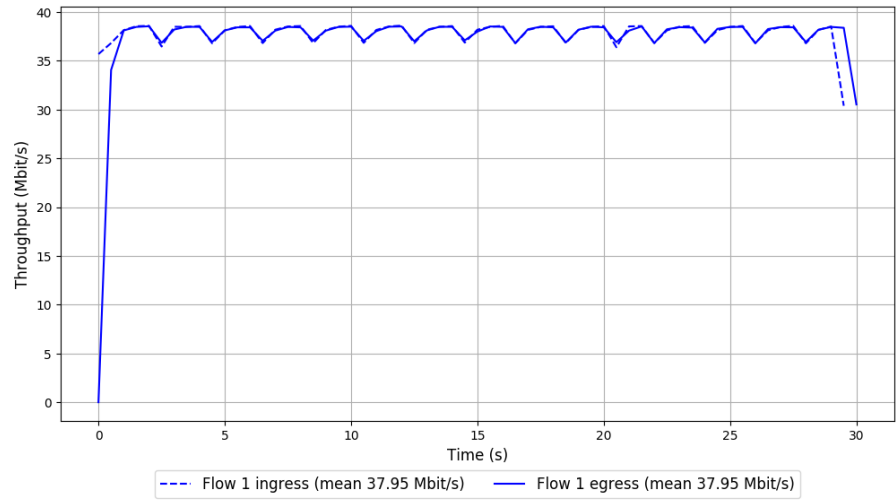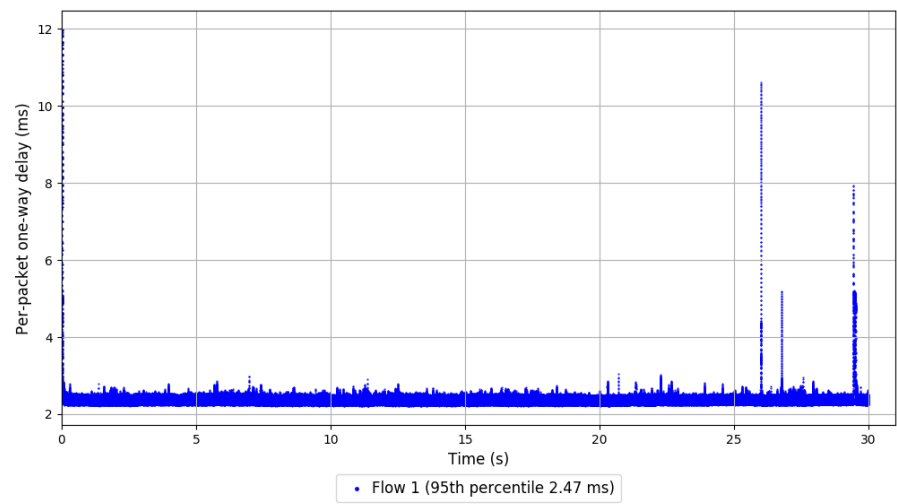
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 37.95 Mbit/s) ----- Flow 1 egress (mean 37.95 Mbit/s)

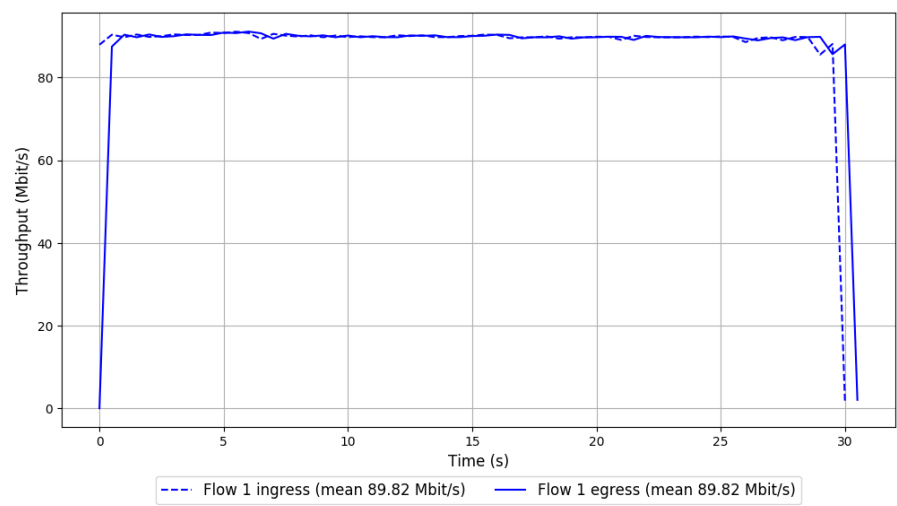Flow 1 (95th percentile 9.93 ms)

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

Start at: 2018-08-09 01:14:50
End at: 2018-08-09 01:15:20
Local clock offset: -8.374 ms
Remote clock offset: -3.074 ms


# Below is generated by plot.py at 2018-08-09 04:32:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 2.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 2.469 ms
Loss rate: 0.00%
```
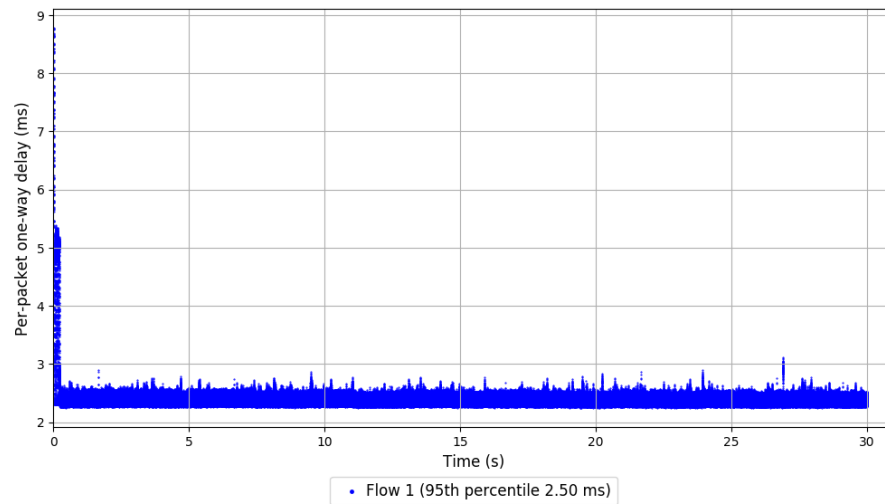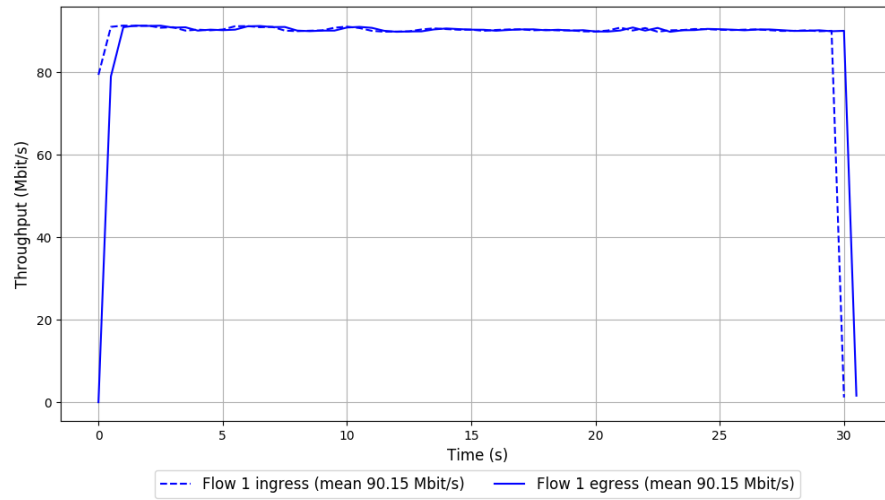
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.82 Mbit/s)   Flow 1 egress (mean 89.82 Mbit/s)

Flow 1 (95th percentile 2.47 ms)

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

Start at: 2018-08-09 01:33:52
End at: 2018-08-09 01:34:22
Local clock offset: -7.173 ms
Remote clock offset: -1.9 ms


# Below is generated by plot.py at 2018-08-09 04:32:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 2.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 2.503 ms
Loss rate: 0.00%
```

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

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

Start at: 2018-08-09 01:52:54
End at: 2018-08-09 01:53:24
Local clock offset: -4.359 ms
Remote clock offset: -1.499 ms


# Below is generated by plot.py at 2018-08-09 04:32:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 2.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 2.698 ms
Loss rate: 0.00%
```
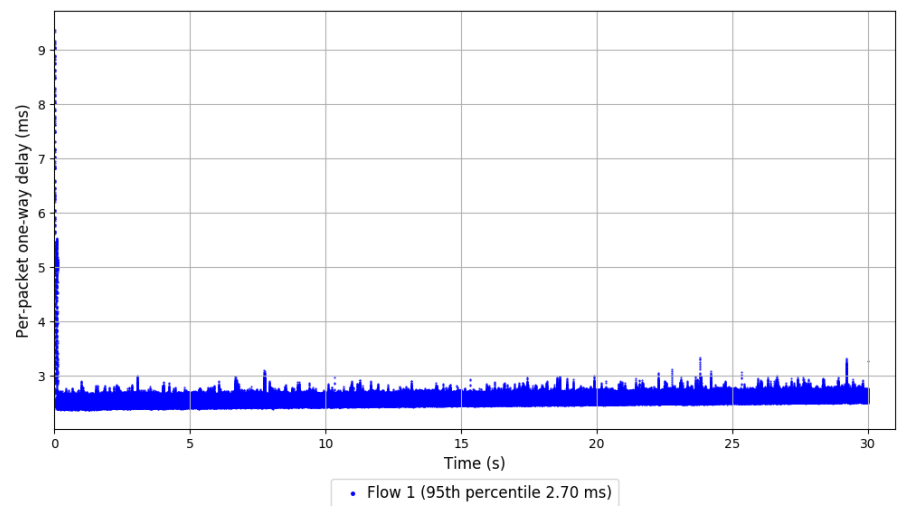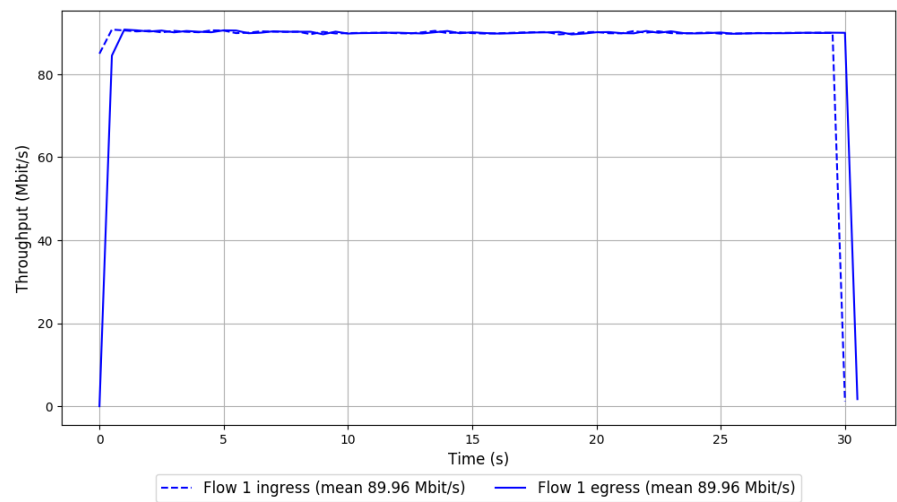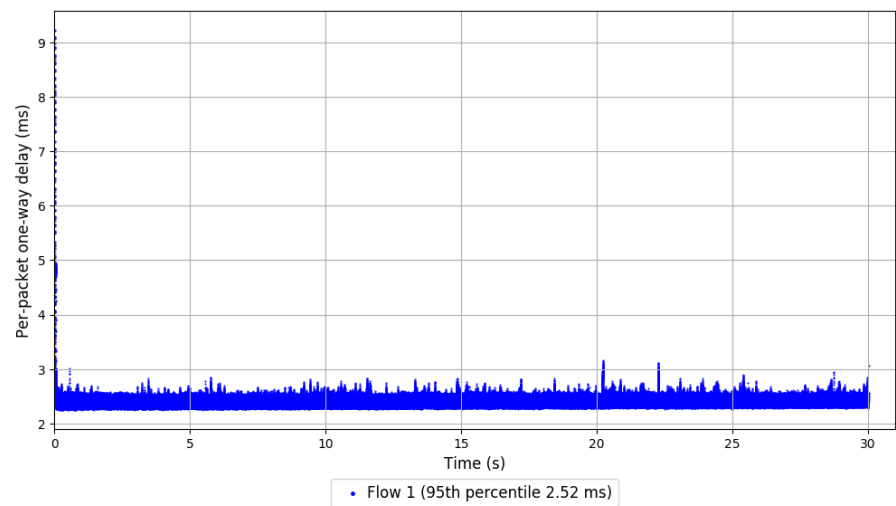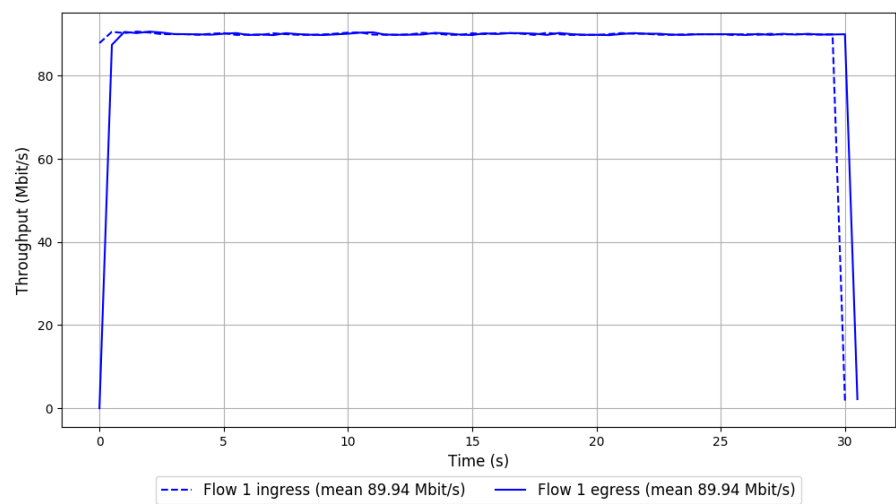
Run 3: Report of TaoVA-100x — Data Link

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

Flow 1 (95th percentile 2.70 ms)

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

Start at: 2018-08-09 02:11:56
End at: 2018-08-09 02:12:26
Local clock offset: -1.616 ms
Remote clock offset: -1.151 ms


# Below is generated by plot.py at 2018-08-09 04:32:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 2.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 2.523 ms
Loss rate: 0.00%
```
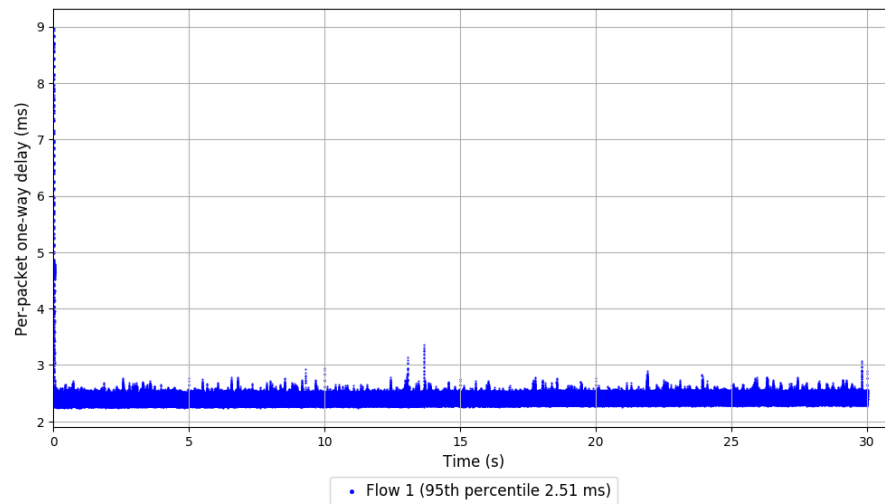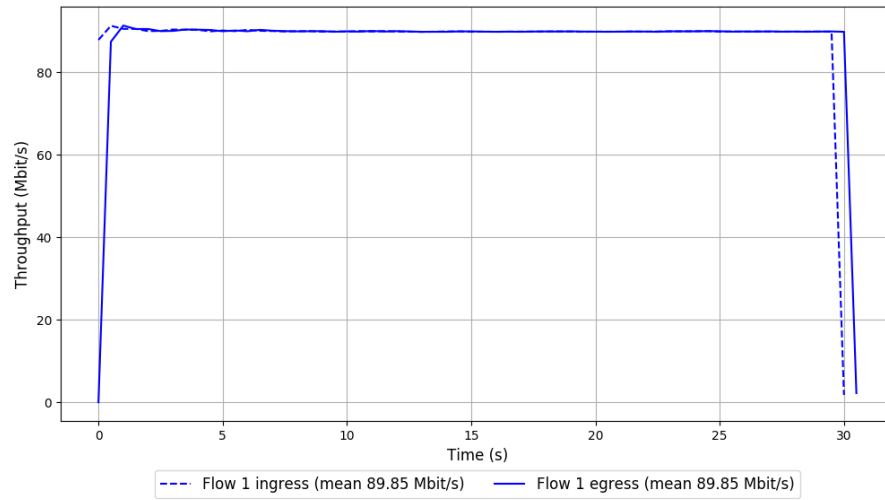
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.94 Mbit/s)   Flow 1 egress (mean 89.94 Mbit/s)

Flow 1 (95th percentile 2.52 ms)

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

Start at: 2018-08-09 02:30:58
End at: 2018-08-09 02:31:28
Local clock offset: -1.988 ms
Remote clock offset: -1.481 ms


# Below is generated by plot.py at 2018-08-09 04:32:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 2.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 2.508 ms
Loss rate: 0.00%
```

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

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

Start at: 2018-08-09 02:50:00
End at: 2018-08-09 02:50:30
Local clock offset: -4.259 ms
Remote clock offset: -2.071 ms


# Below is generated by plot.py at 2018-08-09 04:32:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 2.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 2.246 ms
Loss rate: 0.00%
```
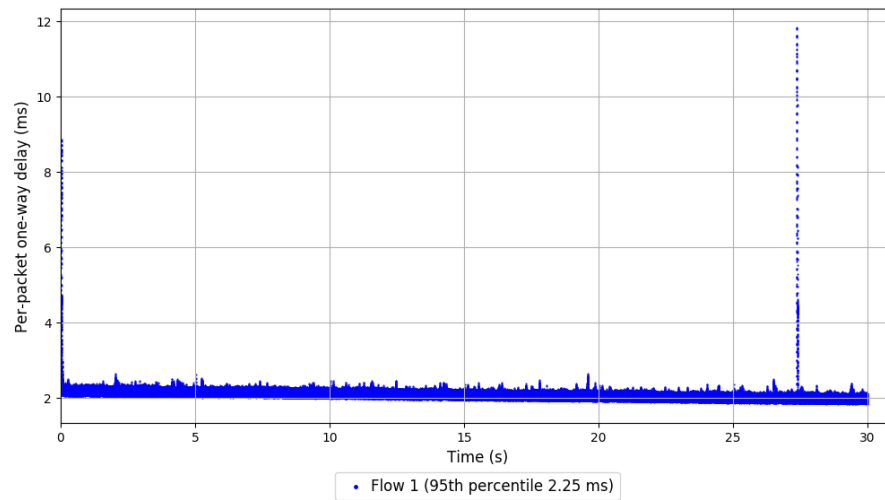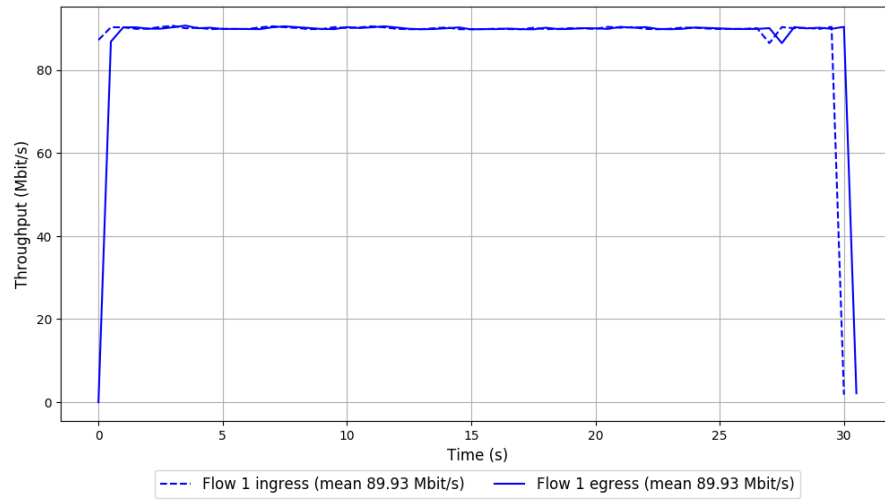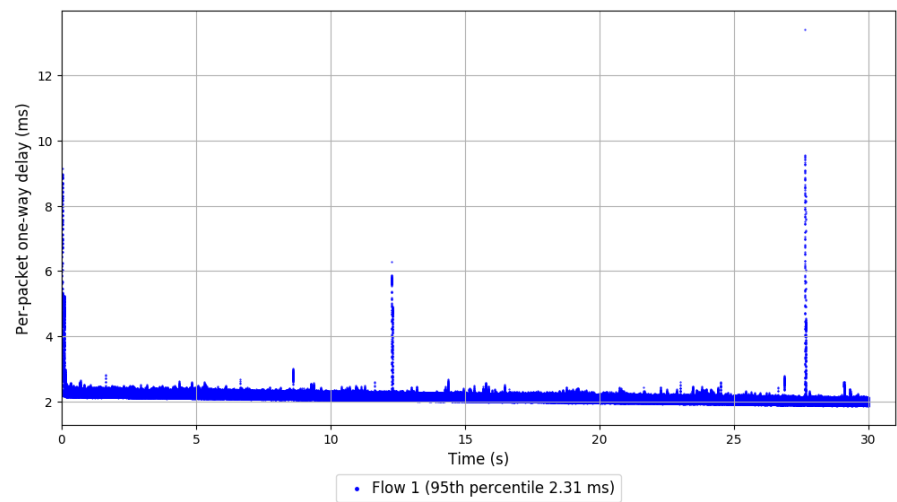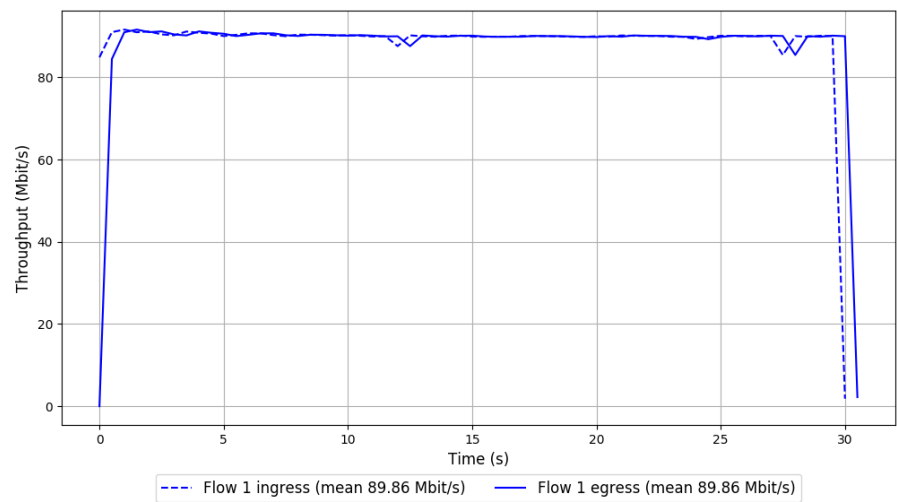
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.93 Mbit/s)   Flow 1 egress (mean 89.93 Mbit/s)

Flow 1 (95th percentile 2.25 ms)

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

Start at: 2018-08-09 03:09:01
End at: 2018-08-09 03:09:31
Local clock offset: -8.556 ms
Remote clock offset: 5.055 ms


# Below is generated by plot.py at 2018-08-09 04:32:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 2.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 2.310 ms
Loss rate: 0.00%
```
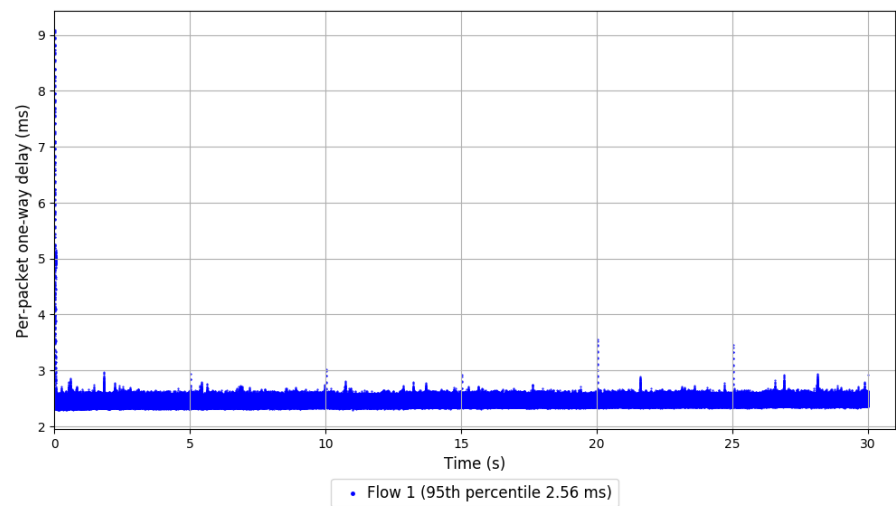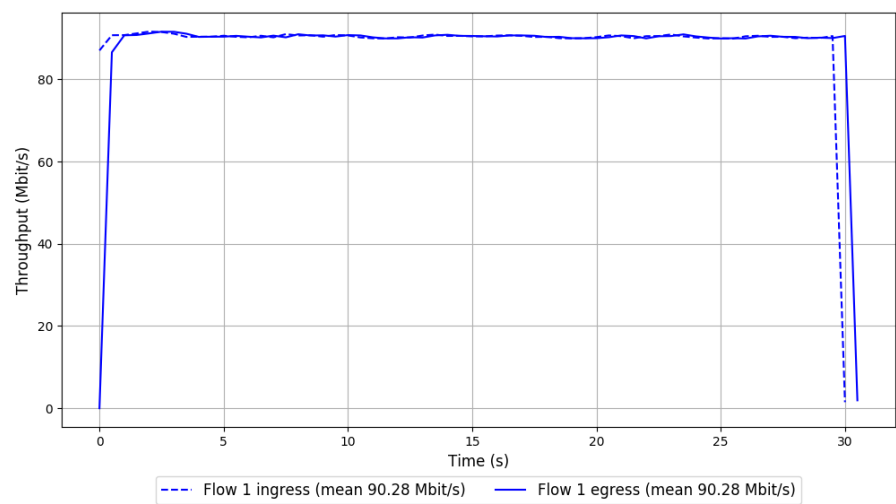
Run 7: Report of TaoVA-100x — Data Link

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

Start at: 2018-08-09 03:28:04
End at: 2018-08-09 03:28:34
Local clock offset: -3.122 ms
Remote clock offset: 9.89 ms


# Below is generated by plot.py at 2018-08-09 04:32:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: 2.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: 2.563 ms
Loss rate: 0.00%
```
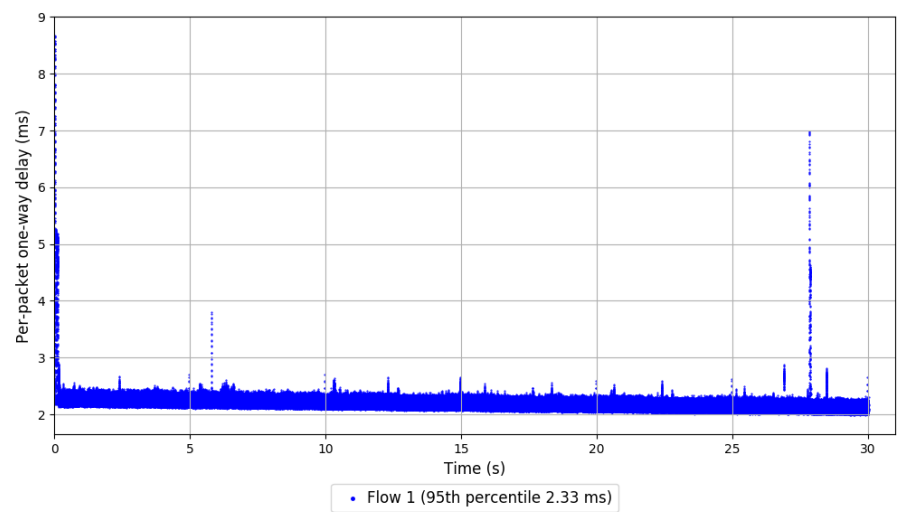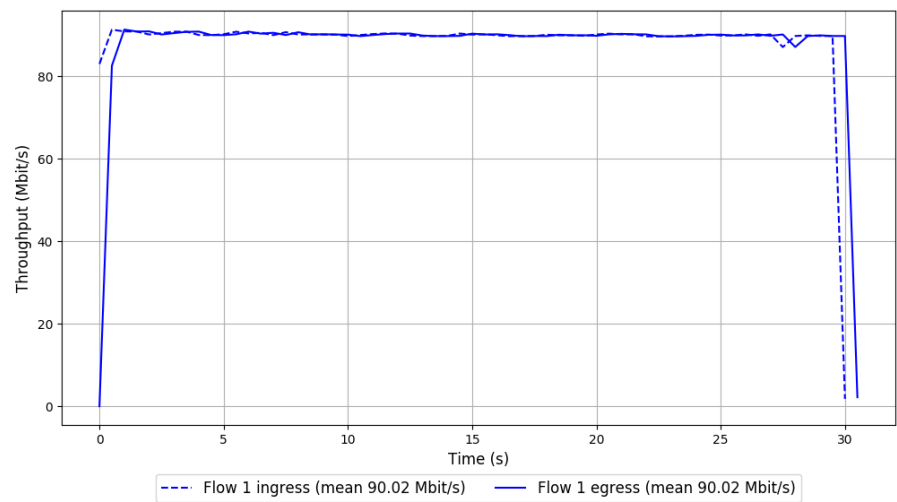
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 90.28 Mbit/s)   Flow 1 egress (mean 90.28 Mbit/s)

Flow 1 (95th percentile 2.56 ms)

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

Start at: 2018-08-09 03:47:06
End at: 2018-08-09 03:47:36
Local clock offset: -0.992 ms
Remote clock offset: 12.528 ms


# Below is generated by plot.py at 2018-08-09 04:34:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%
```

Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 90.02 Mbit/s)   Flow 1 egress (mean 90.02 Mbit/s)
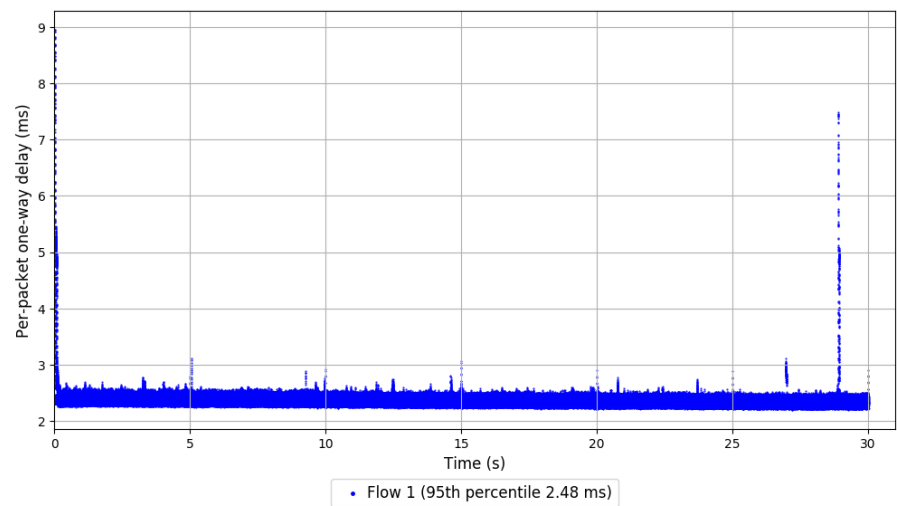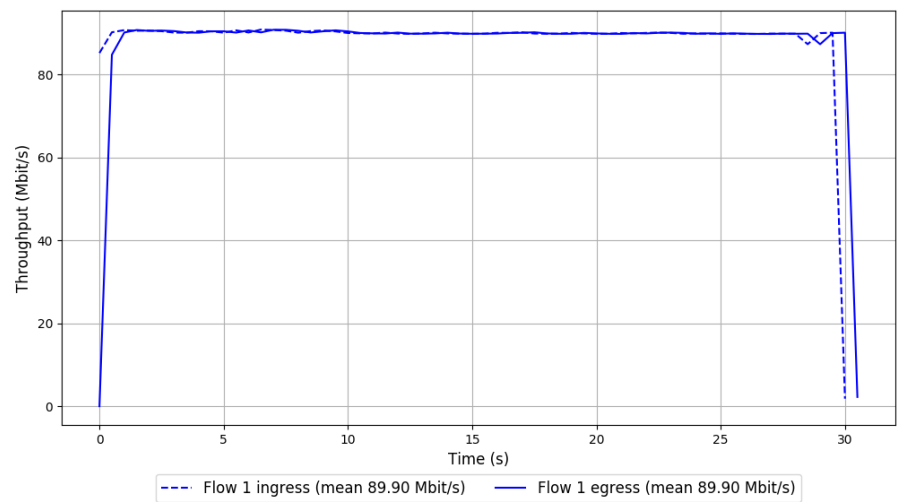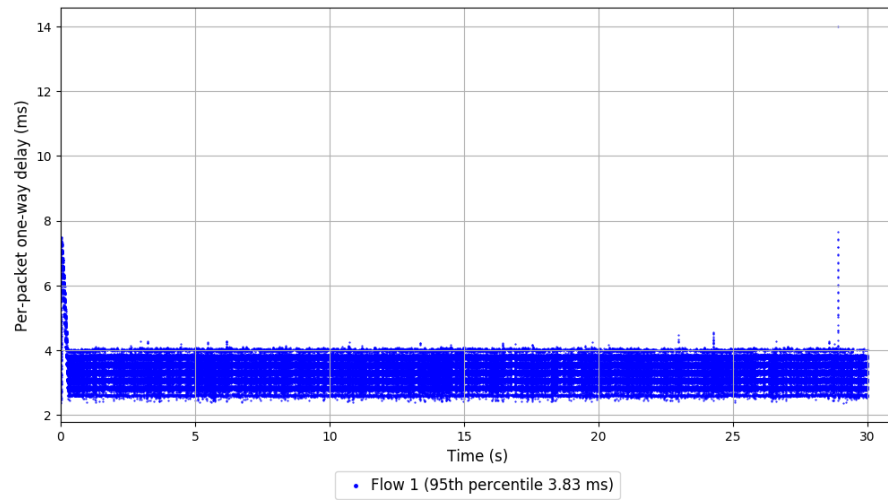

Flow 1 (95th percentile 2.33 ms)

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

Start at: 2018-08-09 04:06:07
End at: 2018-08-09 04:06:37
Local clock offset: -2.087 ms
Remote clock offset: 15.008 ms


# Below is generated by plot.py at 2018-08-09 04:34:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 89.90 Mbit/s)   Flow 1 egress (mean 89.90 Mbit/s)
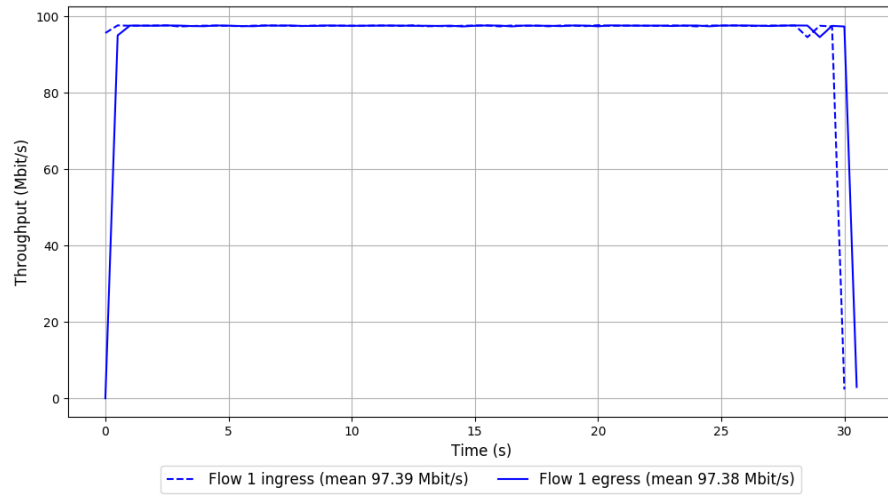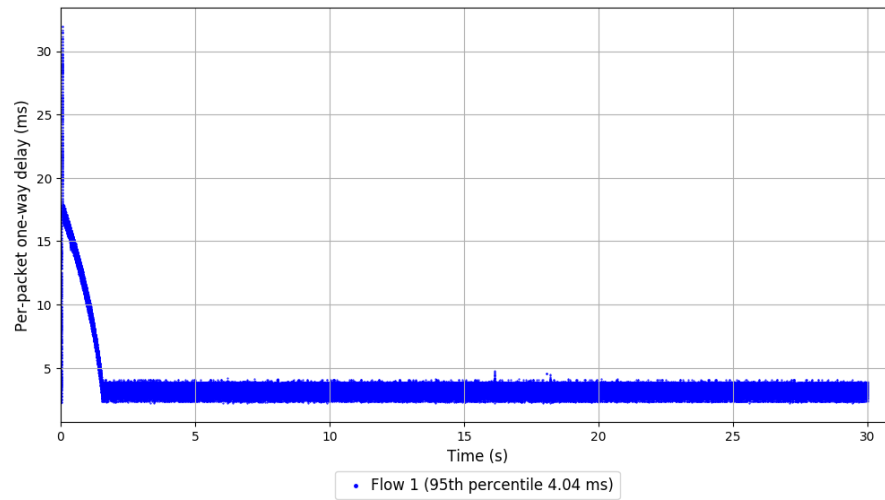

Flow 1 (95th percentile 2.48 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 01:18:16
End at: 2018-08-09 01:18:46
Local clock offset: -8.071 ms
Remote clock offset: -2.832 ms


# Below is generated by plot.py at 2018-08-09 04:34:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 3.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 3.835 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.39 Mbit/s)   Flow 1 egress (mean 97.38 Mbit/s)
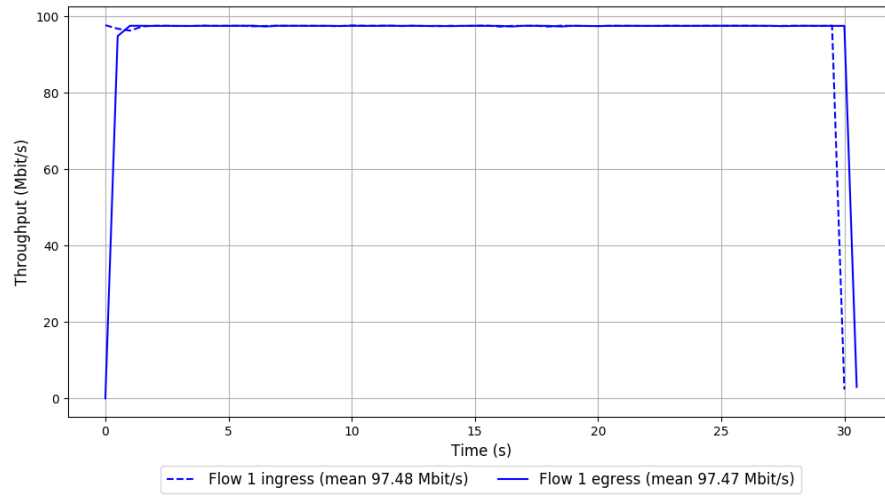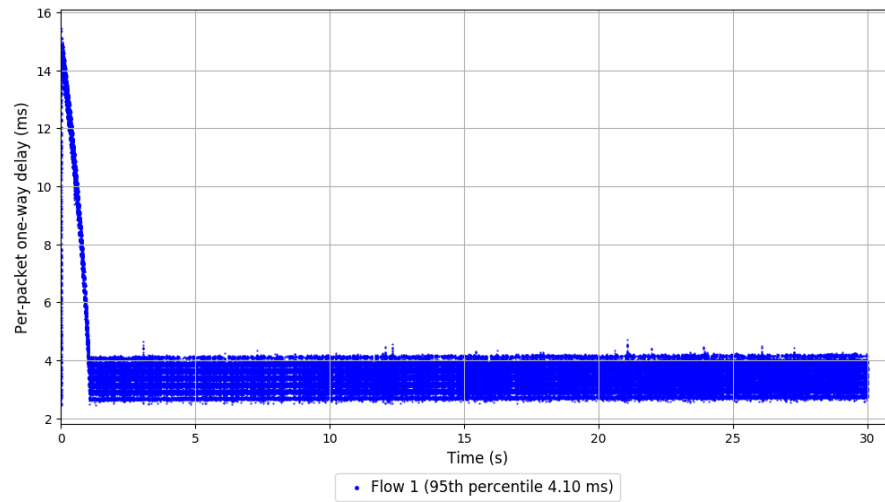

Flow 1 (95th percentile 3.83 ms)

```
Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 01:37:18
End at: 2018-08-09 01:37:48
Local clock offset: -7.142 ms
Remote clock offset: -1.9 ms


# Below is generated by plot.py at 2018-08-09 04:34:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.044 ms
Loss rate: 0.00%
```

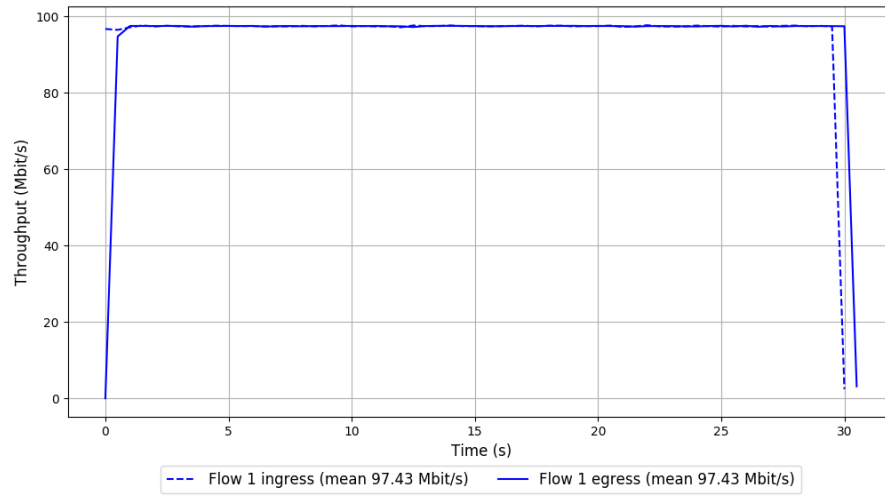Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 01:56:20
End at: 2018-08-09 01:56:50
Local clock offset: -3.565 ms
Remote clock offset: -1.357 ms


# Below is generated by plot.py at 2018-08-09 04:34:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 4.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 4.100 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.43 Mbit/s)   Flow 1 egress (mean 97.43 Mbit/s)

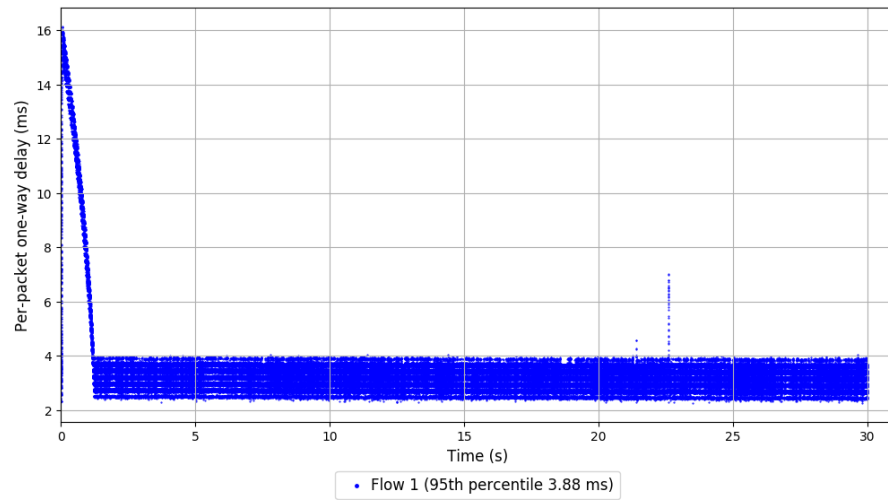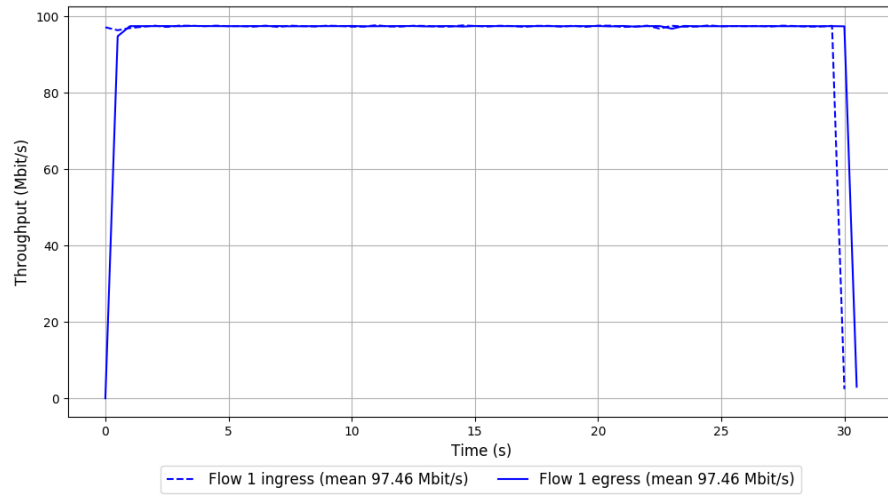Flow 1 (95th percentile 4.10 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 02:15:22
End at: 2018-08-09 02:15:52
Local clock offset: -1.357 ms
Remote clock offset: -1.072 ms


# Below is generated by plot.py at 2018-08-09 04:34:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 3.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 3.884 ms
Loss rate: 0.00%
```
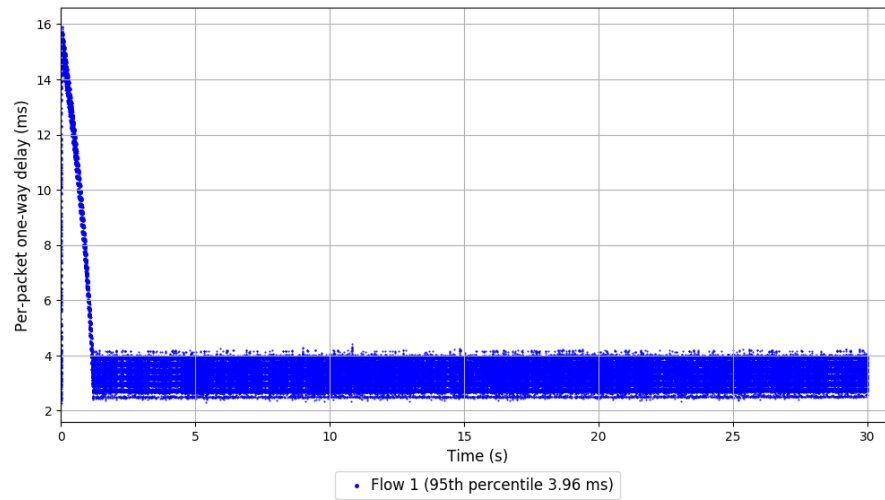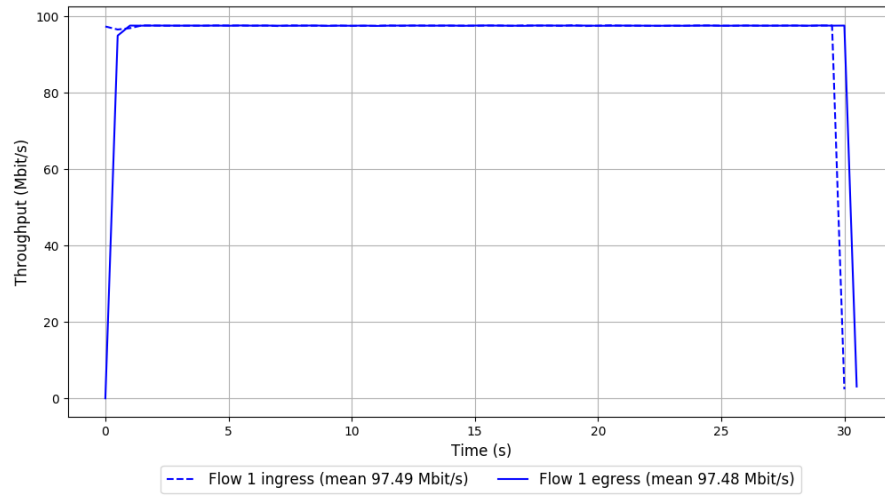
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 02:34:24
End at: 2018-08-09 02:34:54
Local clock offset: -1.942 ms
Remote clock offset: -1.673 ms


# Below is generated by plot.py at 2018-08-09 04:34:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 3.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 3.960 ms
Loss rate: 0.00%
```
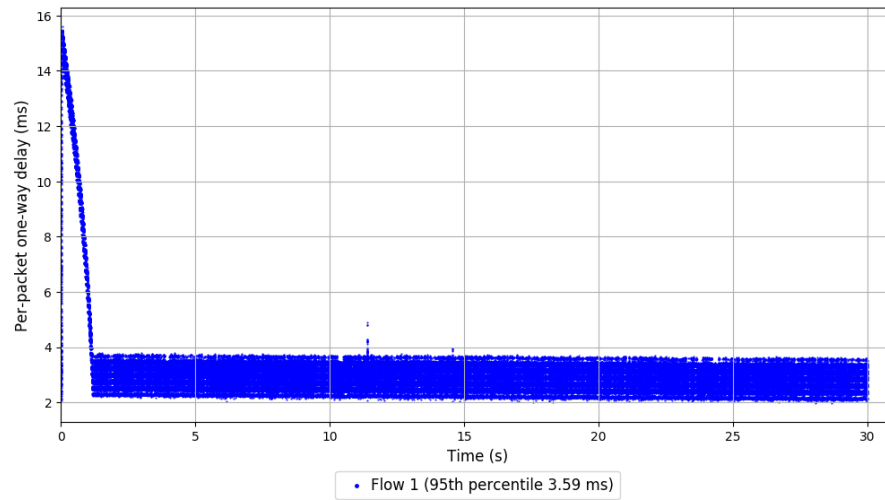
Run 5: Report of TCP Vegas — Data Link

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```
Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 02:53:26
End at: 2018-08-09 02:53:56
Local clock offset: -5.584 ms
Remote clock offset: -2.072 ms


# Below is generated by plot.py at 2018-08-09 04:34:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.588 ms
Loss rate: 0.00%
```
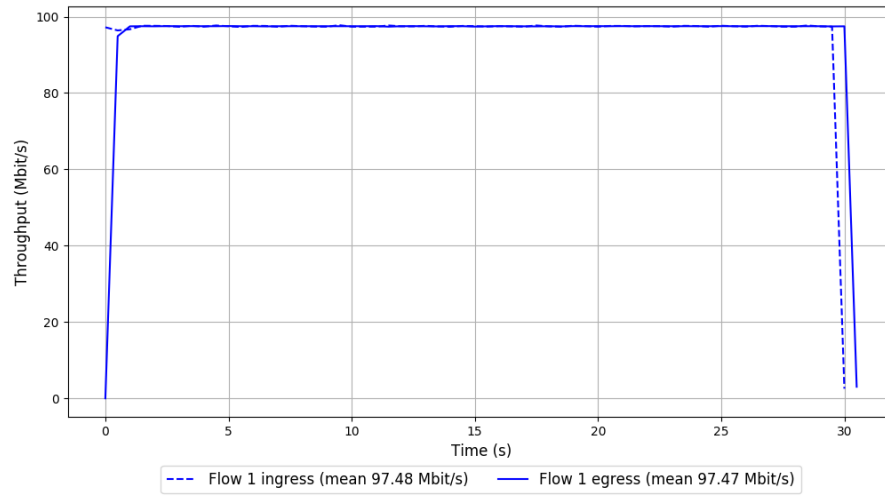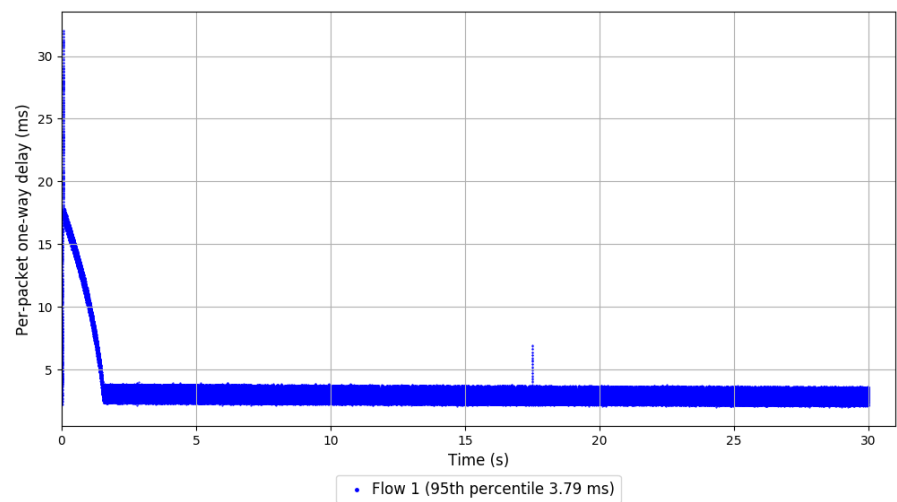
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.48 Mbit/s)   Flow 1 egress (mean 97.47 Mbit/s)

Flow 1 (95th percentile 3.59 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 03:12:27
End at: 2018-08-09 03:12:57
Local clock offset: -8.884 ms
Remote clock offset: 6.379 ms


# Below is generated by plot.py at 2018-08-09 04:34:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.788 ms
Loss rate: 0.00%
```
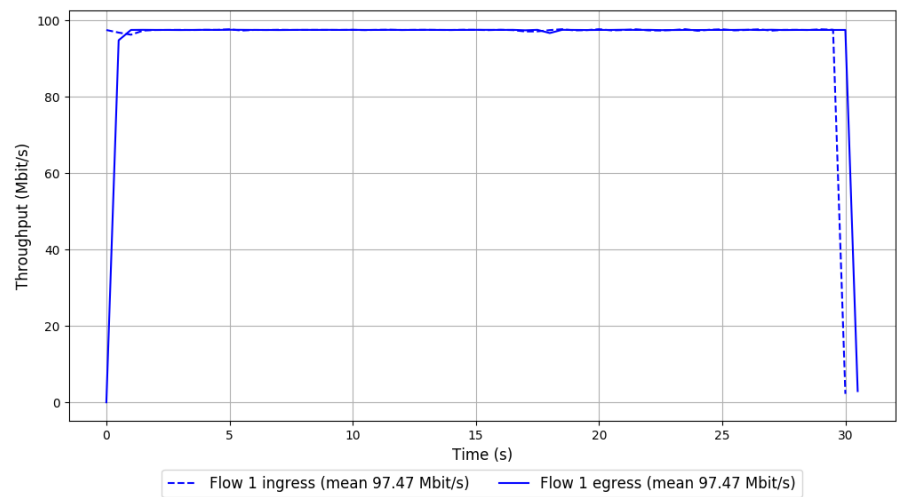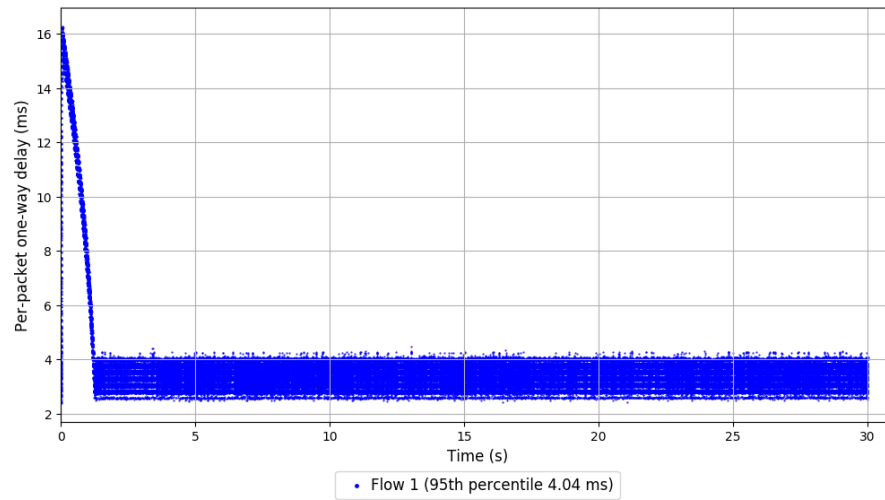
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.47 Mbit/s)   Flow 1 egress (mean 97.47 Mbit/s)

Flow 1 (95th percentile 3.79 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 03:31:30
End at: 2018-08-09 03:32:00
Local clock offset: -2.406 ms
Remote clock offset: 10.46 ms


# Below is generated by plot.py at 2018-08-09 04:34:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 4.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 4.039 ms
Loss rate: 0.00%
```
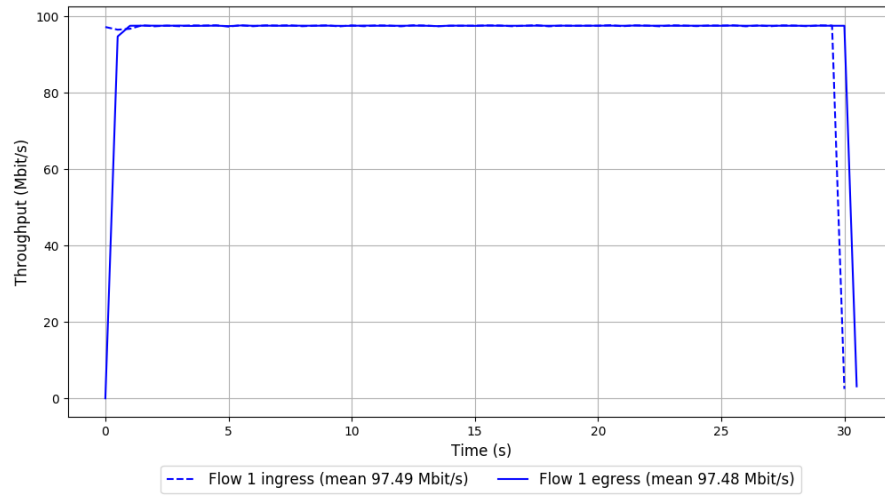
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.49 Mbit/s) --- Flow 1 egress (mean 97.48 Mbit/s)

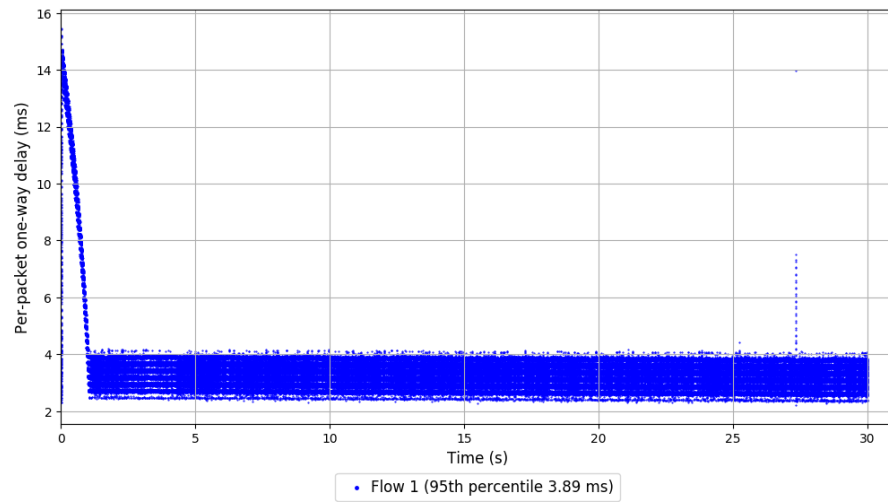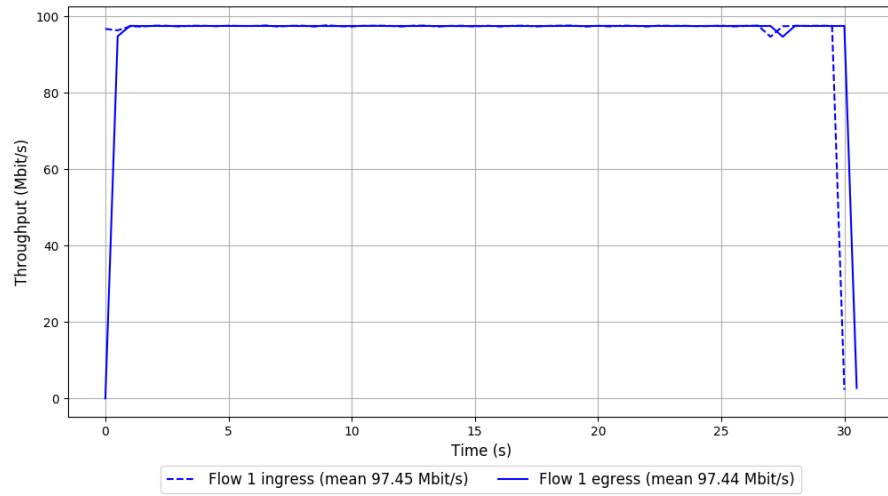Flow 1 (95th percentile 4.04 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 03:50:32
End at: 2018-08-09 03:51:02
Local clock offset: -1.493 ms
Remote clock offset: 13.061 ms


# Below is generated by plot.py at 2018-08-09 04:34:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.894 ms
Loss rate: 0.00%
```
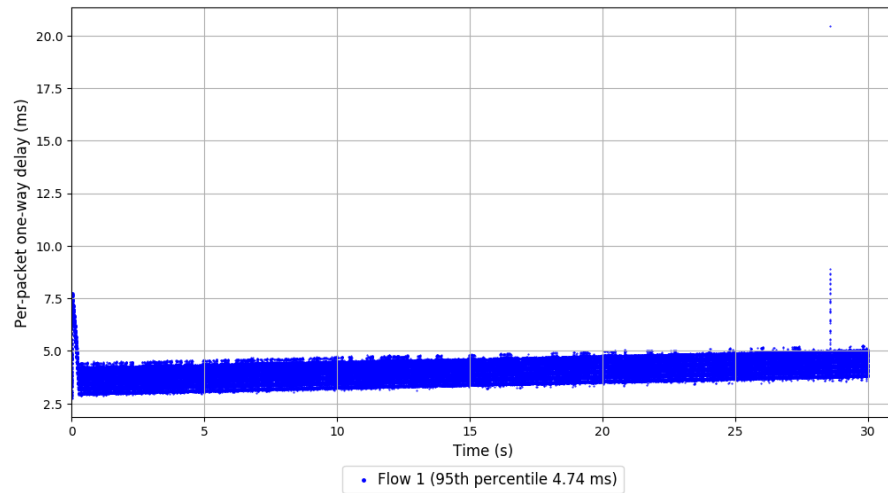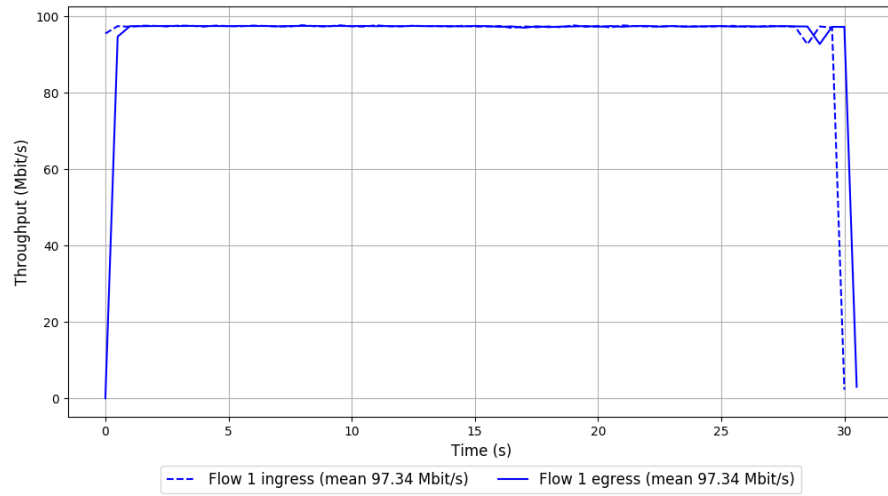
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.45 Mbit/s)   Flow 1 egress (mean 97.44 Mbit/s)

Flow 1 (95th percentile 3.89 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 04:09:33
End at: 2018-08-09 04:10:03
Local clock offset: -2.123 ms
Remote clock offset: 11.48 ms


# Below is generated by plot.py at 2018-08-09 04:34:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 4.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 4.738 ms
Loss rate: 0.00%
```
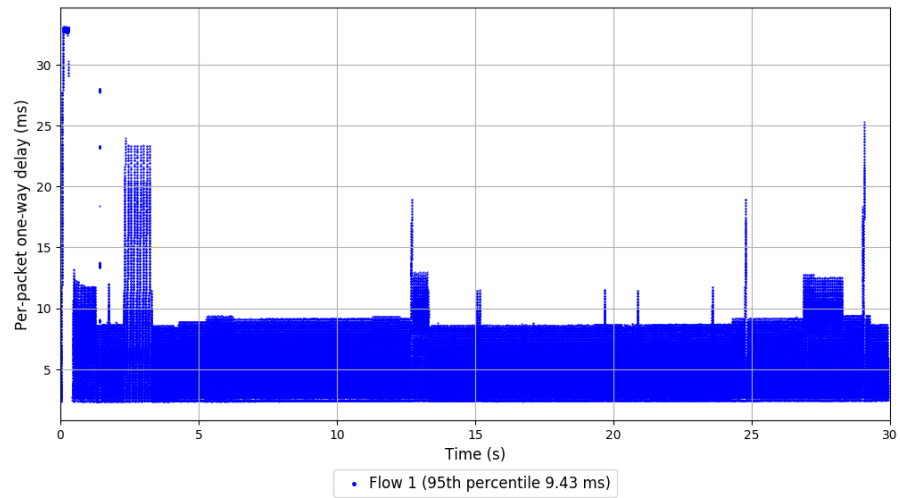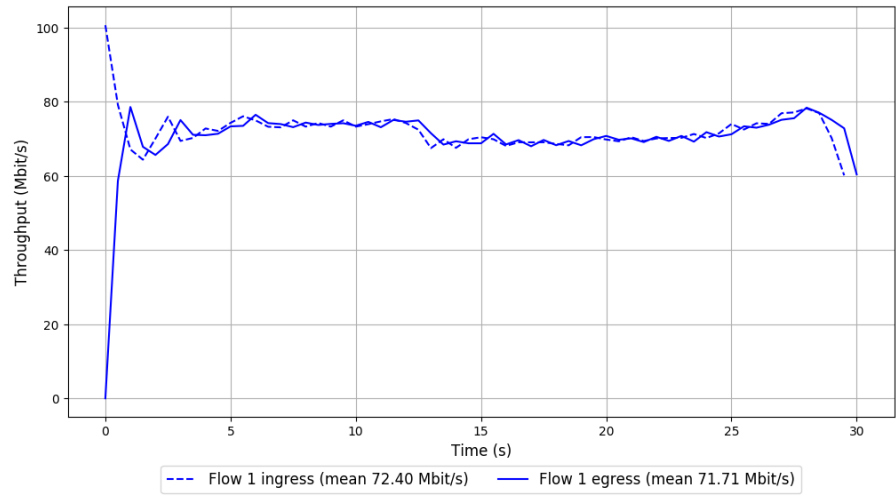
Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.34 Mbit/s) — — —   Flow 1 egress (mean 97.34 Mbit/s) ———

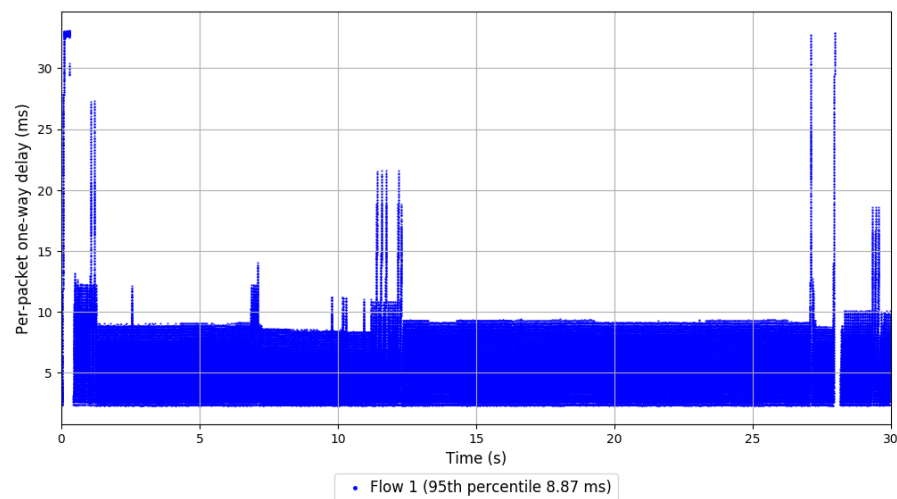Flow 1 (95th percentile 4.74 ms)

```
Run 1: Statistics of Verus

Start at: 2018-08-09 01:01:31
End at: 2018-08-09 01:02:01
Local clock offset: -9.348 ms
Remote clock offset: -2.93 ms


# Below is generated by plot.py at 2018-08-09 04:34:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.71 Mbit/s
95th percentile per-packet one-way delay: 9.426 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 71.71 Mbit/s
95th percentile per-packet one-way delay: 9.426 ms
Loss rate: 0.94%
```

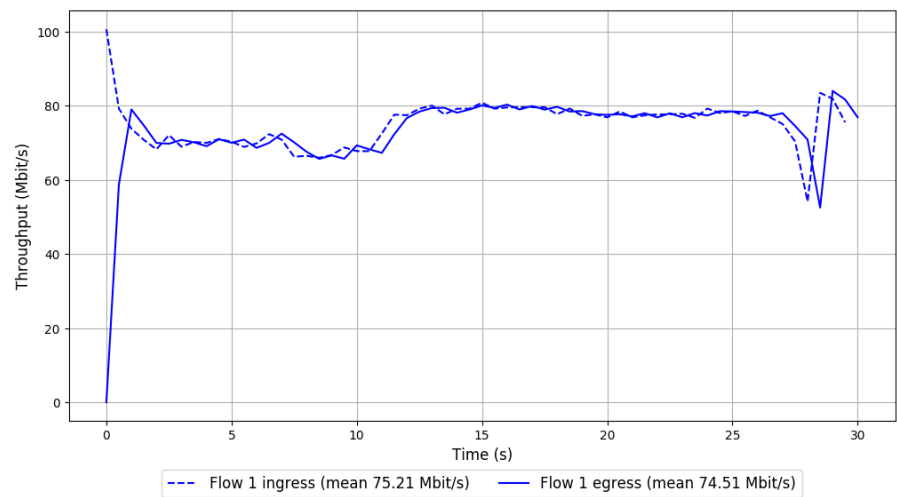Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-08-09 01:20:30
End at: 2018-08-09 01:21:00
Local clock offset: -7.871 ms
Remote clock offset: -2.651 ms


# Below is generated by plot.py at 2018-08-09 04:34:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.51 Mbit/s
95th percentile per-packet one-way delay: 8.873 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 74.51 Mbit/s
95th percentile per-packet one-way delay: 8.873 ms
Loss rate: 0.91%
```

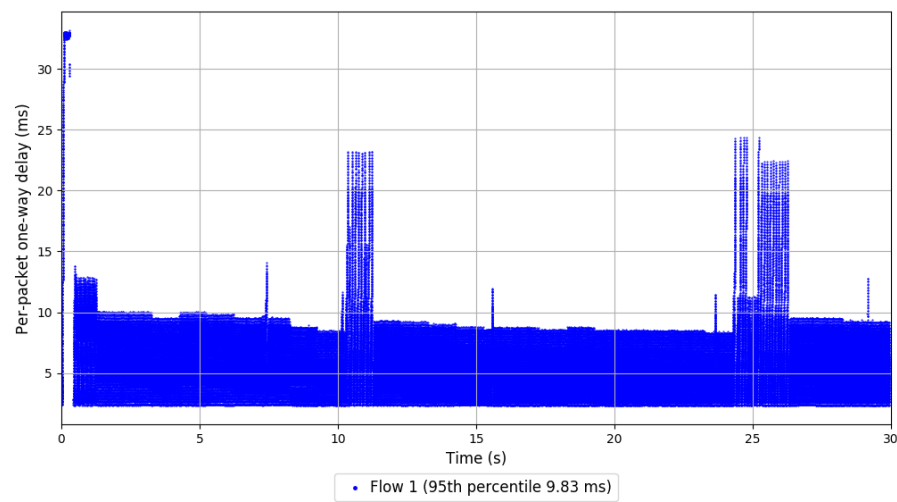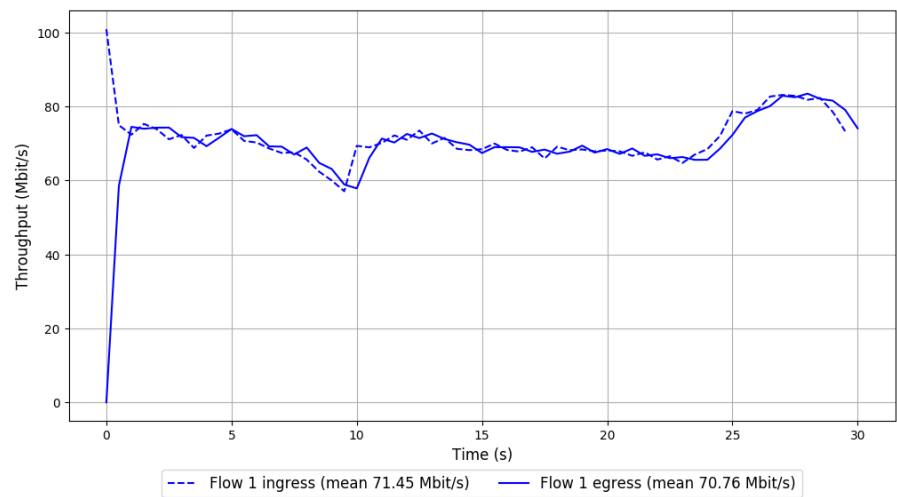## Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-08-09 01:39:32
End at: 2018-08-09 01:40:02
Local clock offset: -7.192 ms
Remote clock offset: -1.729 ms


# Below is generated by plot.py at 2018-08-09 04:35:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.76 Mbit/s
95th percentile per-packet one-way delay: 9.830 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 70.76 Mbit/s
95th percentile per-packet one-way delay: 9.830 ms
Loss rate: 0.96%
```

Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-08-09 01:58:34
End at: 2018-08-09 01:59:04
Local clock offset: -3.093 ms
Remote clock offset: -1.38 ms


# Below is generated by plot.py at 2018-08-09 04:35:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.42 Mbit/s
95th percentile per-packet one-way delay: 8.863 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 71.42 Mbit/s
95th percentile per-packet one-way delay: 8.863 ms
Loss rate: 0.94%
```
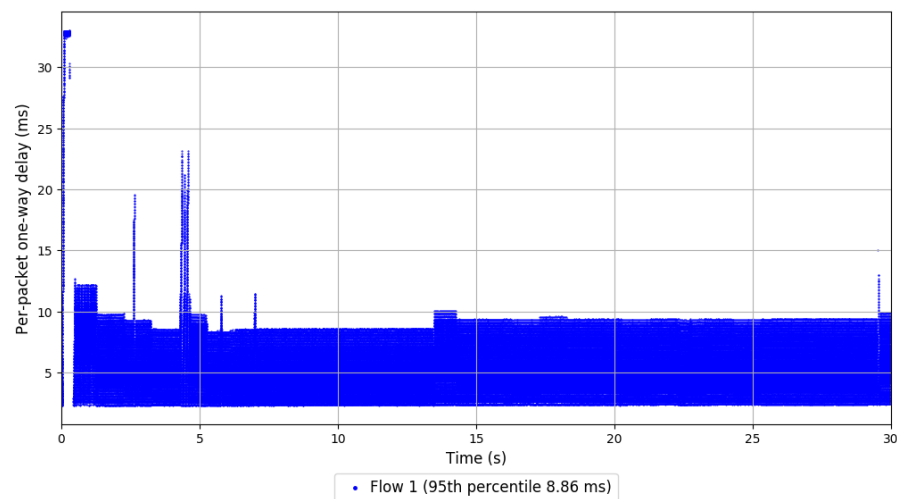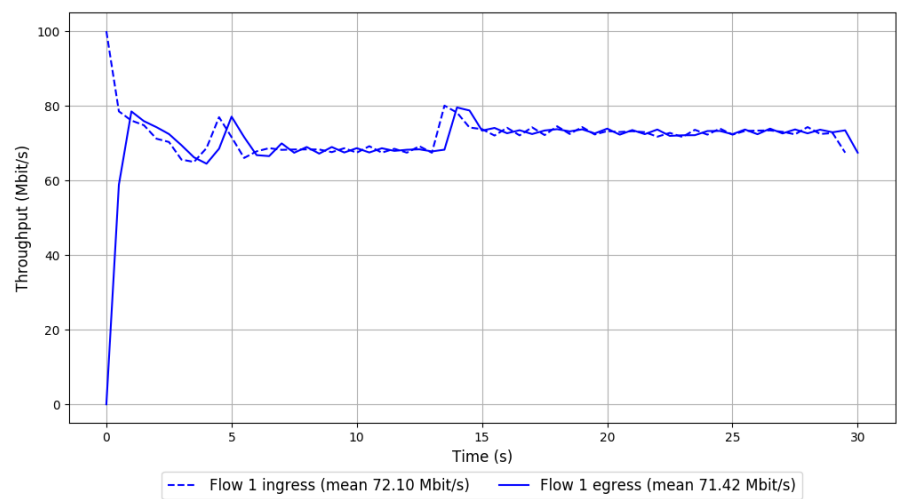
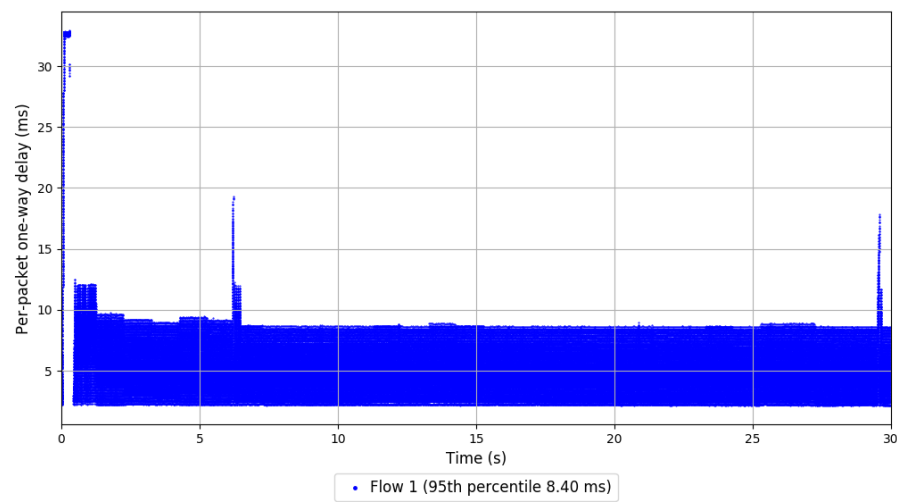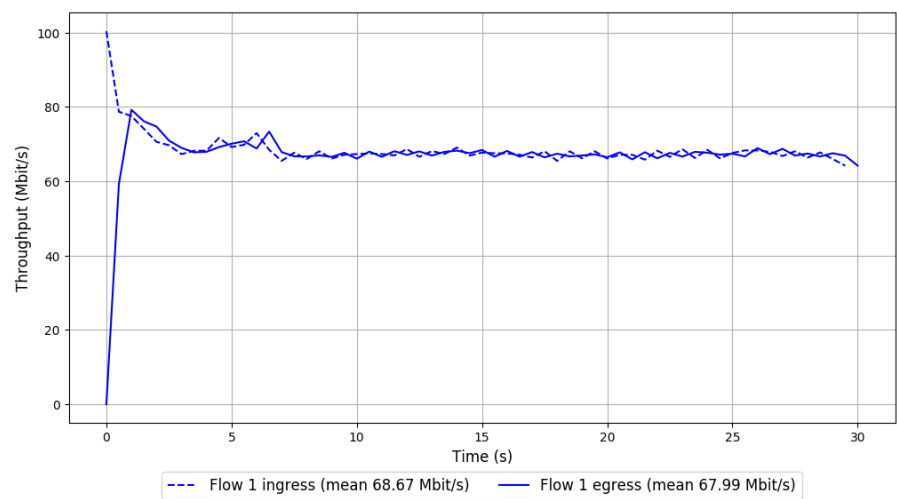## Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-08-09 02:17:36
End at: 2018-08-09 02:18:06
Local clock offset: -1.504 ms
Remote clock offset: -1.039 ms


# Below is generated by plot.py at 2018-08-09 04:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.99 Mbit/s
95th percentile per-packet one-way delay: 8.398 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 67.99 Mbit/s
95th percentile per-packet one-way delay: 8.398 ms
Loss rate: 0.99%
```

Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 68.67 Mbit/s)   Flow 1 egress (mean 67.99 Mbit/s)

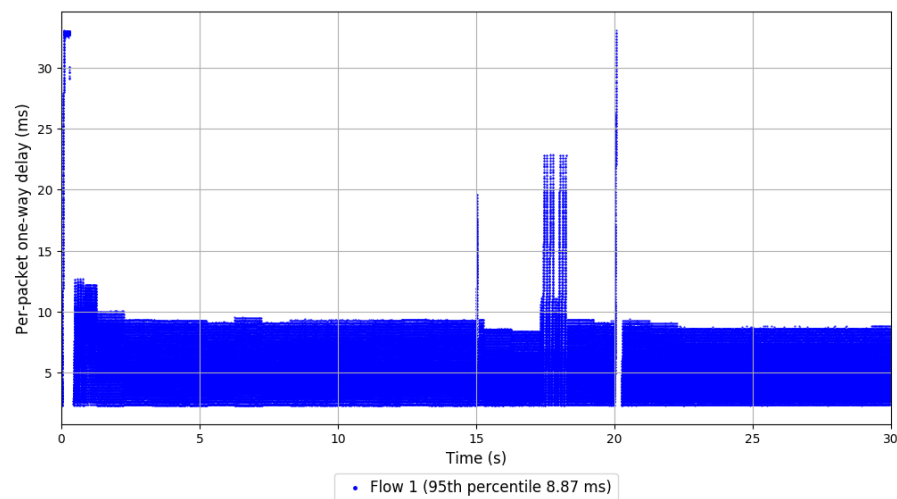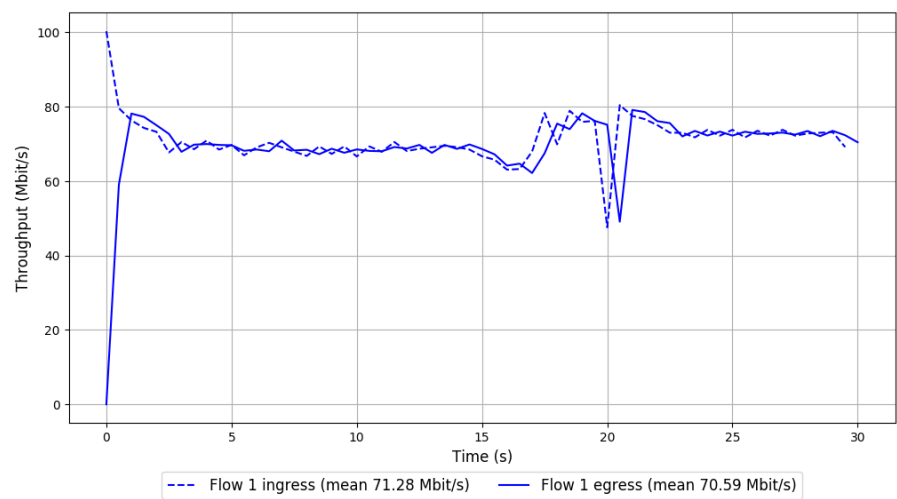Flow 1 (95th percentile 8.40 ms)

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```
Run 6: Statistics of Verus

Start at: 2018-08-09 02:36:38
End at: 2018-08-09 02:37:08
Local clock offset: -1.904 ms
Remote clock offset: -1.687 ms


# Below is generated by plot.py at 2018-08-09 04:35:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 8.865 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 8.865 ms
Loss rate: 0.96%
```

Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 71.28 Mbit/s)   Flow 1 egress (mean 70.59 Mbit/s)

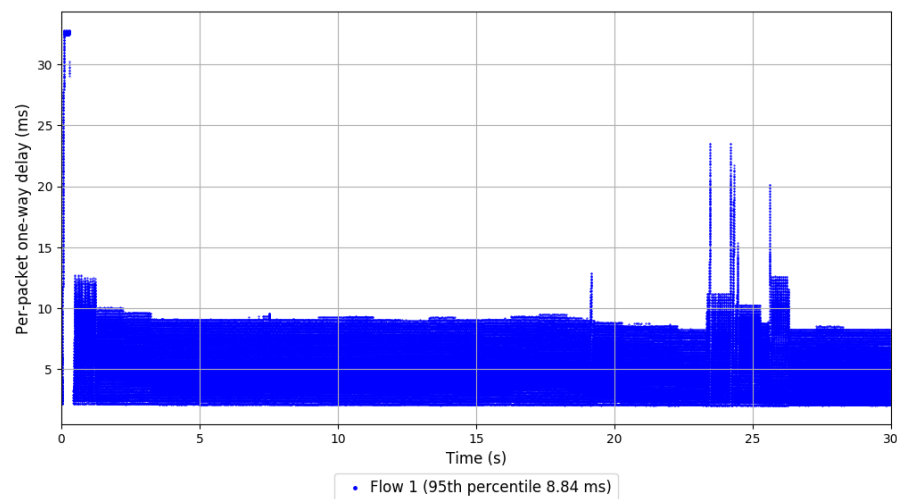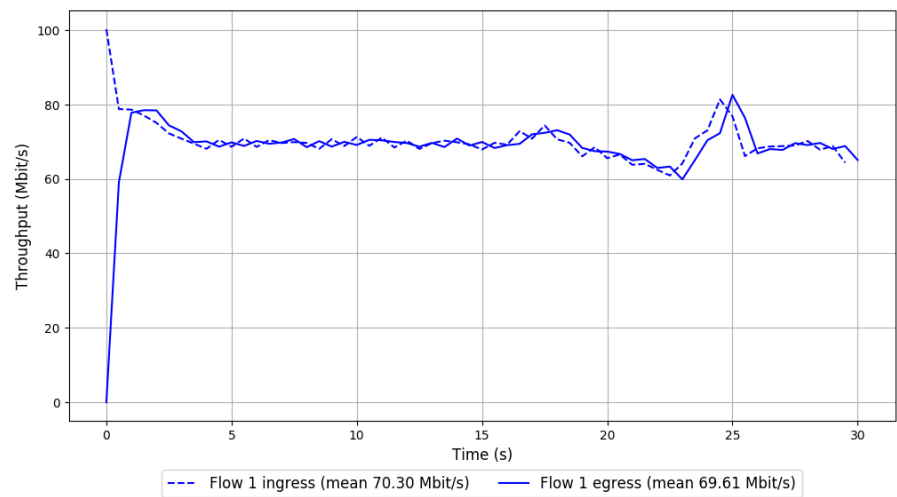Flow 1 (95th percentile 8.87 ms)

```
Run 7: Statistics of Verus

Start at: 2018-08-09 02:55:40
End at: 2018-08-09 02:56:10
Local clock offset: -6.304 ms
Remote clock offset: -2.086 ms


# Below is generated by plot.py at 2018-08-09 04:35:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.61 Mbit/s
95th percentile per-packet one-way delay: 8.842 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 69.61 Mbit/s
95th percentile per-packet one-way delay: 8.842 ms
Loss rate: 0.96%
```

Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 70.30 Mbit/s)   Flow 1 egress (mean 69.61 Mbit/s)

Flow 1 (95th percentile 8.84 ms)

```
Run 8: Statistics of Verus

Start at: 2018-08-09 03:14:41
End at: 2018-08-09 03:15:11
Local clock offset: -9.085 ms
Remote clock offset: 7.122 ms


# Below is generated by plot.py at 2018-08-09 04:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 9.252 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 9.252 ms
Loss rate: 0.87%
```
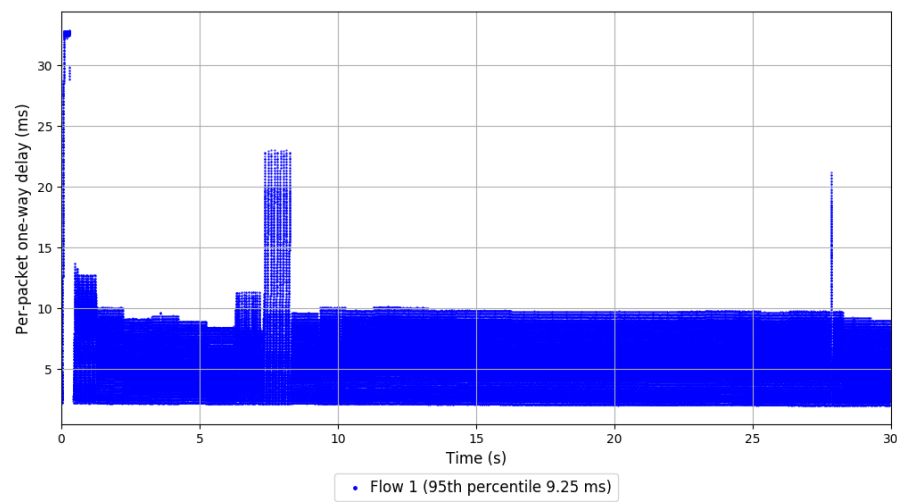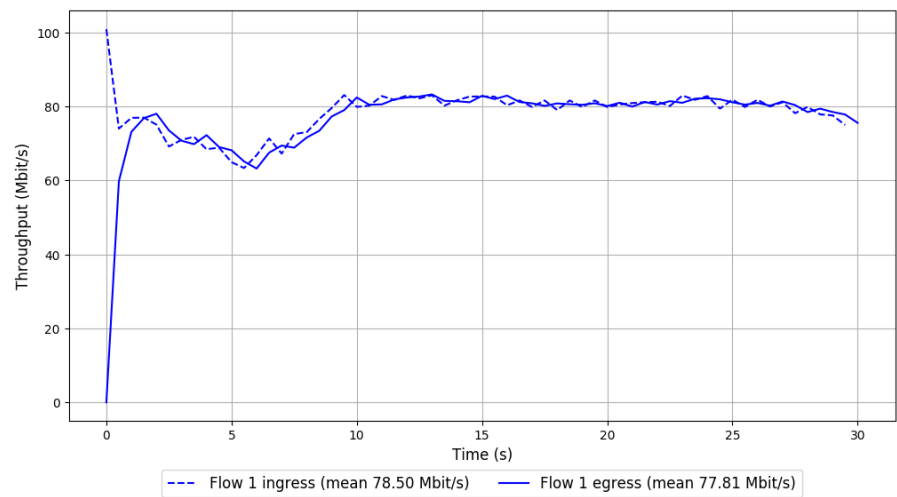
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 78.50 Mbit/s)   Flow 1 egress (mean 77.81 Mbit/s)

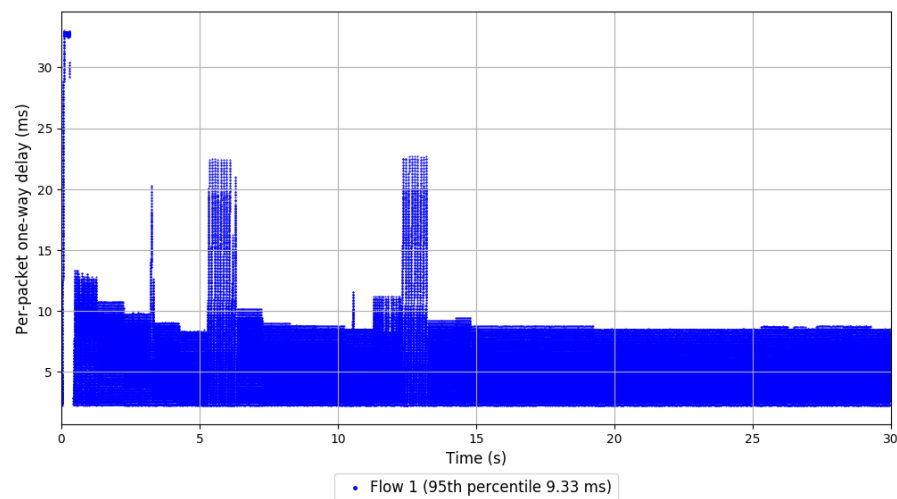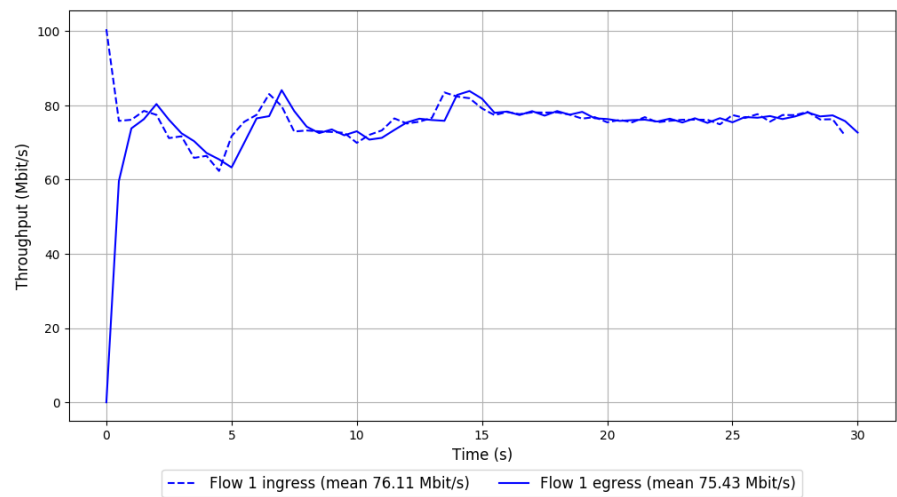• Flow 1 (95th percentile 9.25 ms)

```
Run 9: Statistics of Verus

Start at: 2018-08-09 03:33:44
End at: 2018-08-09 03:34:14
Local clock offset: -2.003 ms
Remote clock offset: 10.732 ms


# Below is generated by plot.py at 2018-08-09 04:35:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 9.332 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 9.332 ms
Loss rate: 0.90%
```

Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 76.11 Mbit/s) --- Flow 1 egress (mean 75.43 Mbit/s)

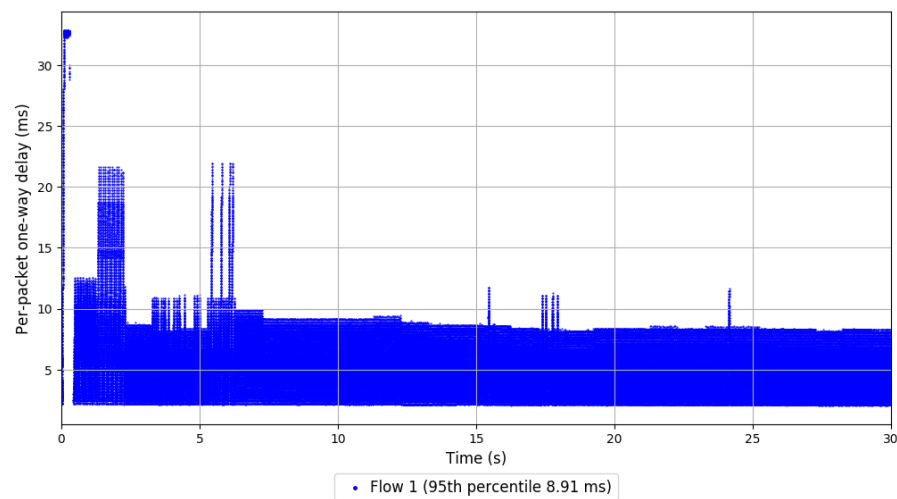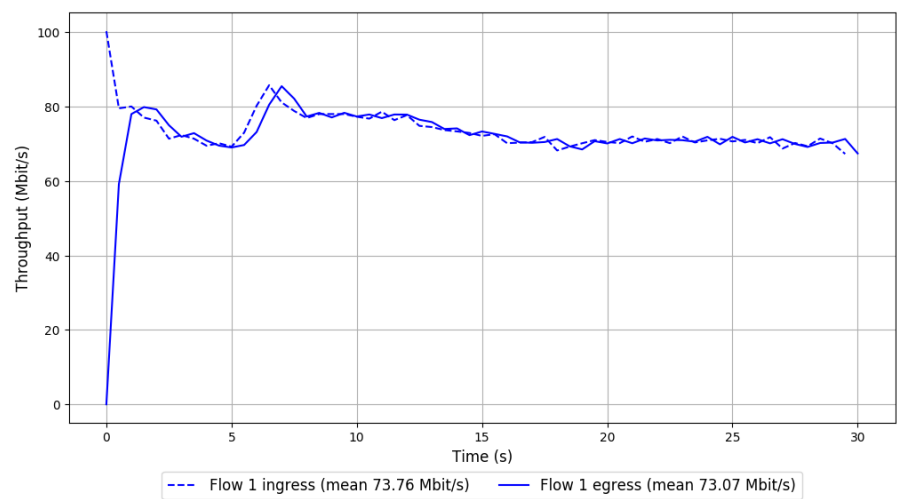Flow 1 (95th percentile 9.33 ms)

```
Run 10: Statistics of Verus

Start at: 2018-08-09 03:52:46
End at: 2018-08-09 03:53:16
Local clock offset: -1.704 ms
Remote clock offset: 13.269 ms


# Below is generated by plot.py at 2018-08-09 04:35:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.07 Mbit/s
95th percentile per-packet one-way delay: 8.914 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 73.07 Mbit/s
95th percentile per-packet one-way delay: 8.914 ms
Loss rate: 0.92%
```

Run 10: Report of Verus — Data Link

```
Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 01:09:15
End at: 2018-08-09 01:09:46
Local clock offset: -8.624 ms
Remote clock offset: -2.968 ms


# Below is generated by plot.py at 2018-08-09 04:36:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 2.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 2.696 ms
Loss rate: 0.00%
```
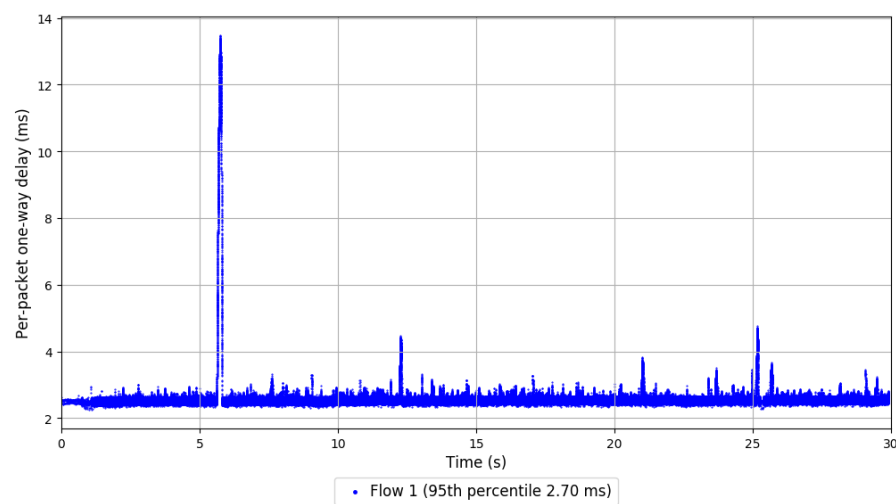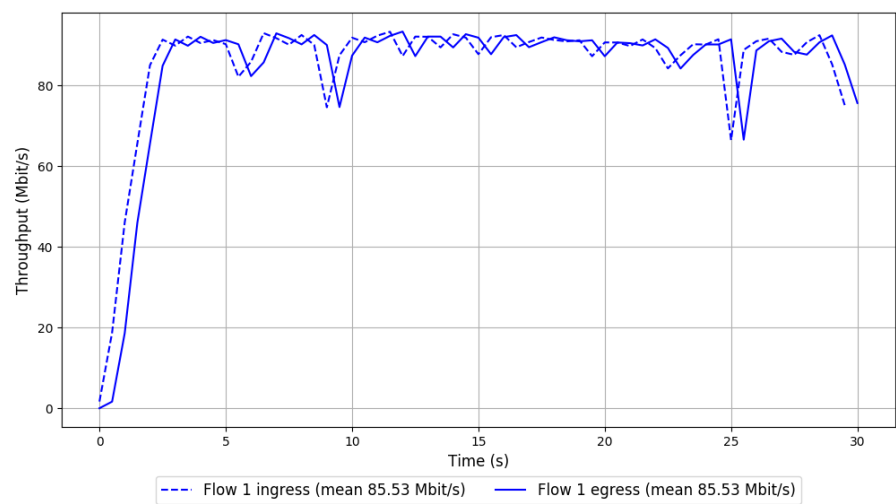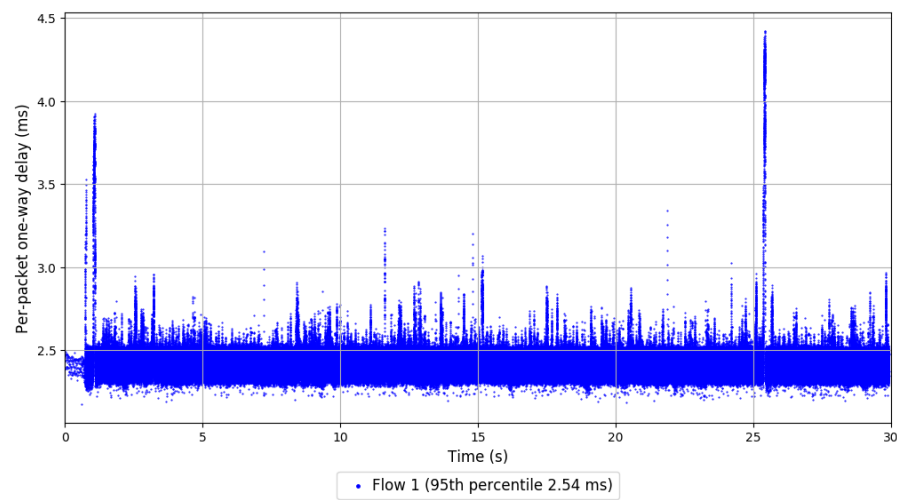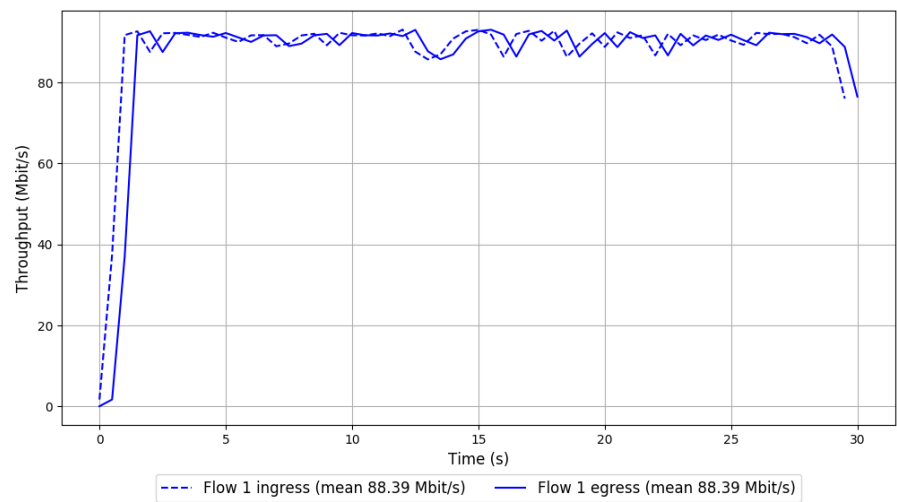
Run 1: Report of PCC-Vivace — Data Link

```
Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 01:28:17
End at: 2018-08-09 01:28:47
Local clock offset: -7.306 ms
Remote clock offset: -2.095 ms


# Below is generated by plot.py at 2018-08-09 04:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 2.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 2.541 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 88.39 Mbit/s)   Flow 1 egress (mean 88.39 Mbit/s)

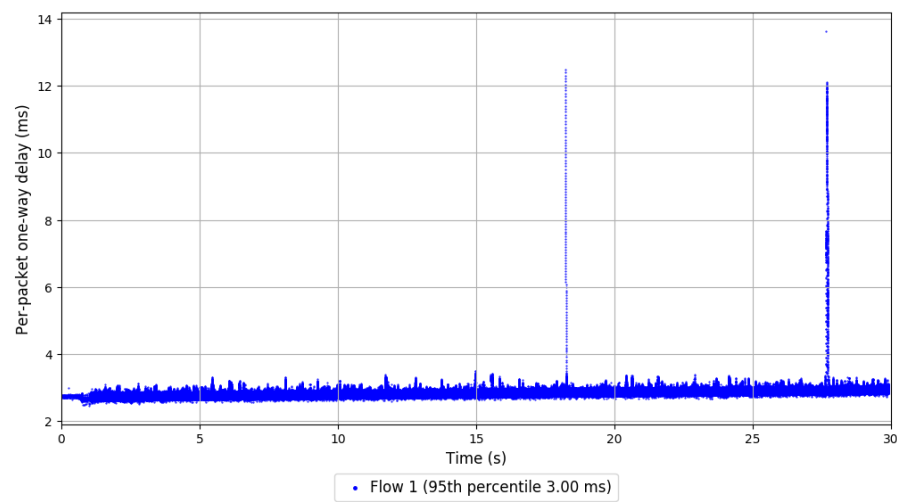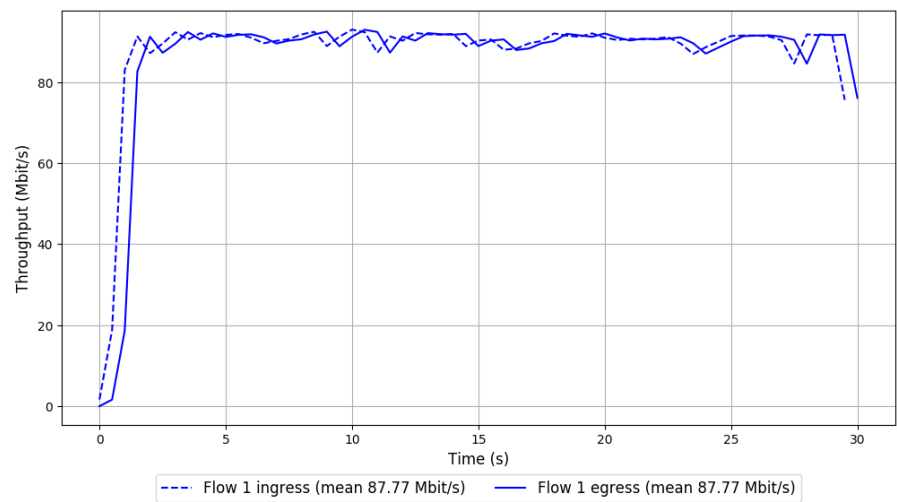

Flow 1 (95th percentile 2.54 ms)

```
Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 01:47:19
End at: 2018-08-09 01:47:49
Local clock offset: -6.48 ms
Remote clock offset: -1.543 ms


# Below is generated by plot.py at 2018-08-09 04:36:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 2.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 2.996 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

```
Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 02:06:22
End at: 2018-08-09 02:06:52
Local clock offset: -2.161 ms
Remote clock offset: -1.237 ms


# Below is generated by plot.py at 2018-08-09 04:36:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.55 Mbit/s
95th percentile per-packet one-way delay: 2.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.55 Mbit/s
95th percentile per-packet one-way delay: 2.612 ms
Loss rate: 0.00%
```
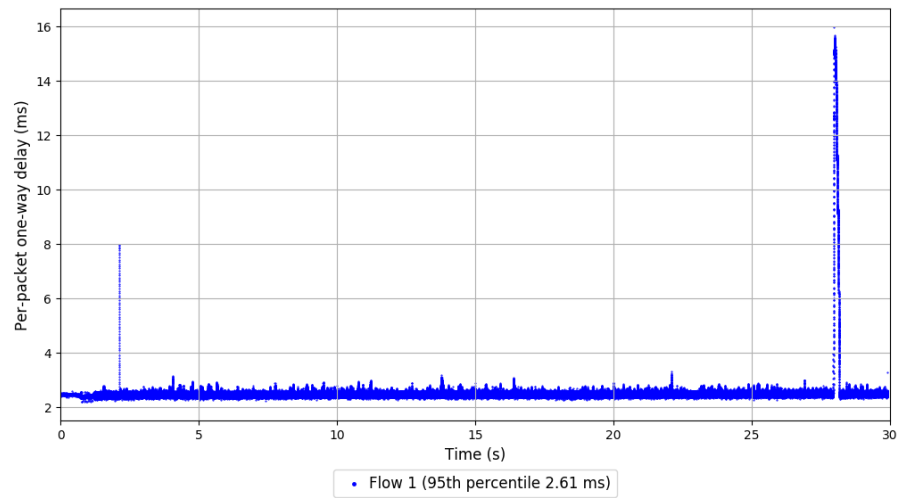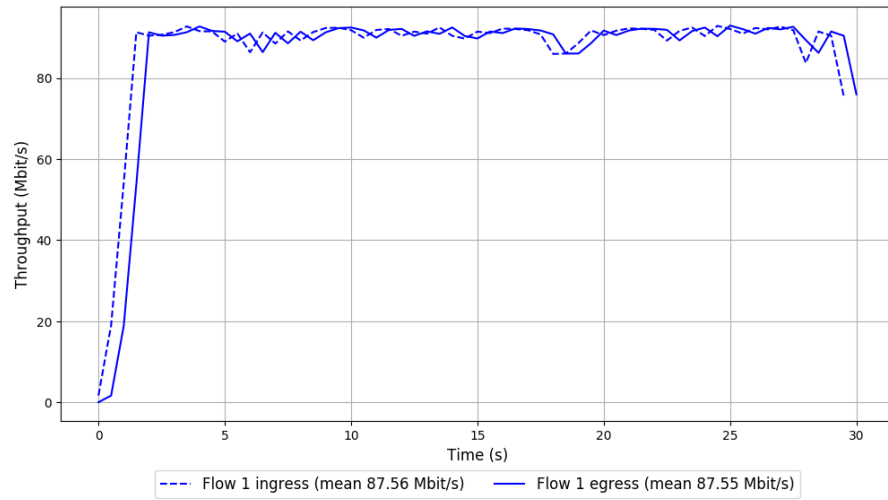
Run 4: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 87.56 Mbit/s) —— Flow 1 egress (mean 87.55 Mbit/s)

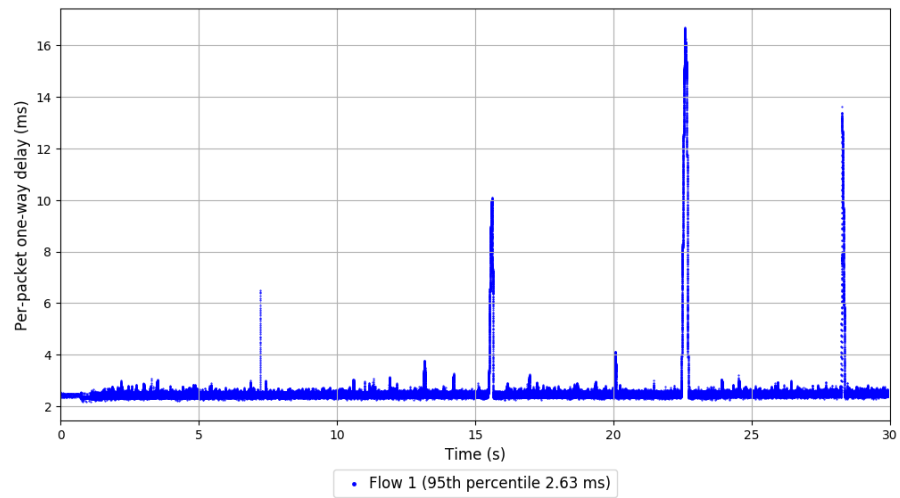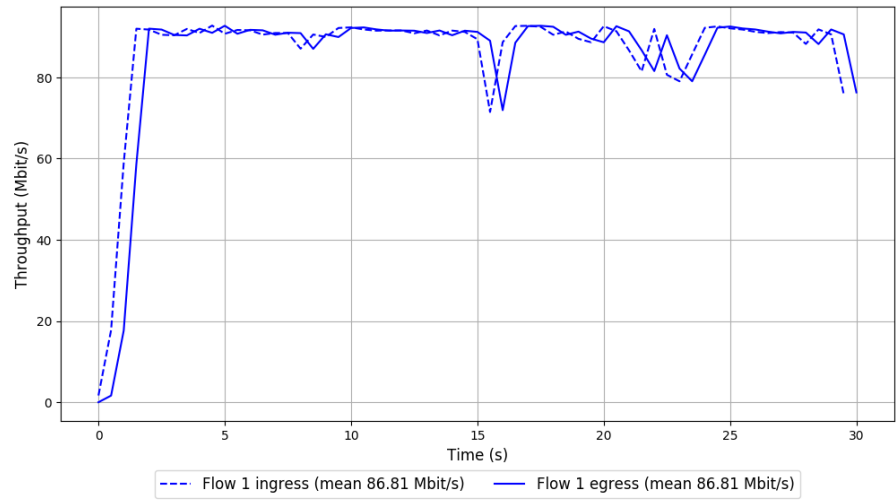

• Flow 1 (95th percentile 2.61 ms)

```
Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 02:25:23
End at: 2018-08-09 02:25:53
Local clock offset: -1.928 ms
Remote clock offset: -0.867 ms


# Below is generated by plot.py at 2018-08-09 04:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 2.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 2.634 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 86.81 Mbit/s)   Flow 1 egress (mean 86.81 Mbit/s)

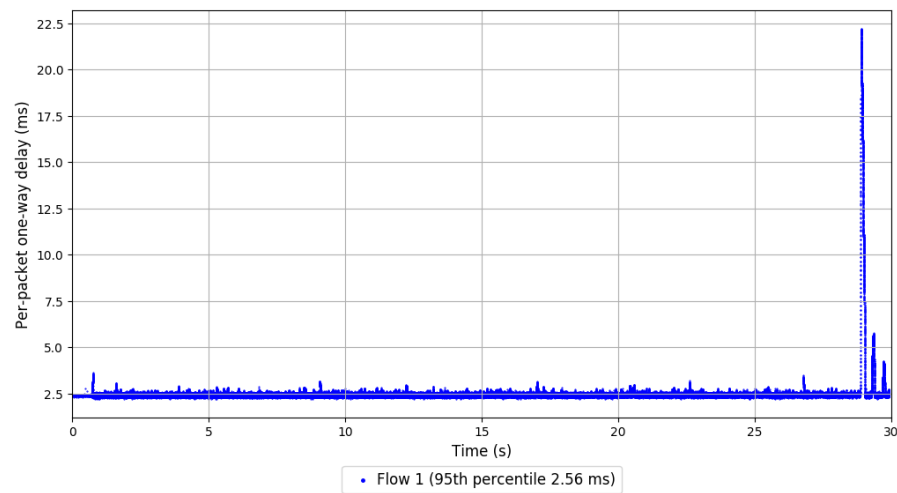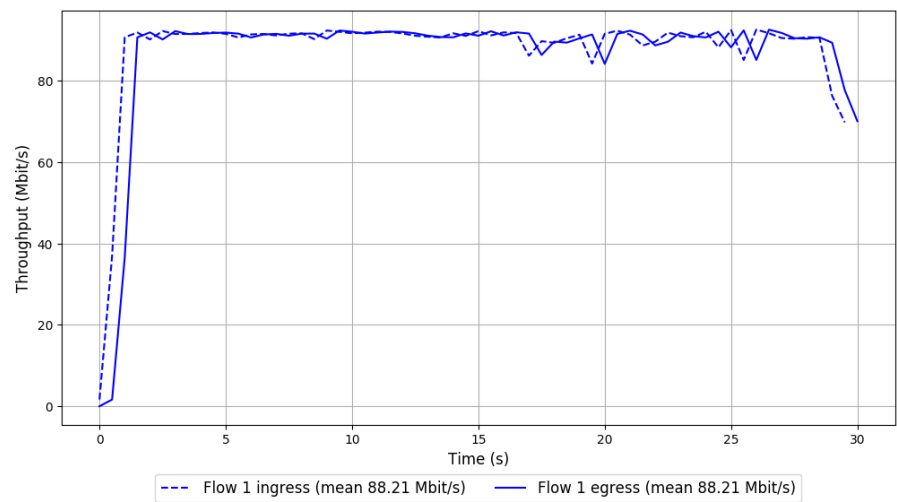

Flow 1 (95th percentile 2.63 ms)

```
Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 02:44:25
End at: 2018-08-09 02:44:55
Local clock offset: -1.712 ms
Remote clock offset: -1.936 ms


# Below is generated by plot.py at 2018-08-09 04:36:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.21 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.21 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

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

Flow 1 (95th percentile 2.56 ms)

```
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 03:03:27
End at: 2018-08-09 03:03:57
Local clock offset: -7.856 ms
Remote clock offset: 1.786 ms


# Below is generated by plot.py at 2018-08-09 04:36:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 2.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 2.217 ms
Loss rate: 0.00%
```
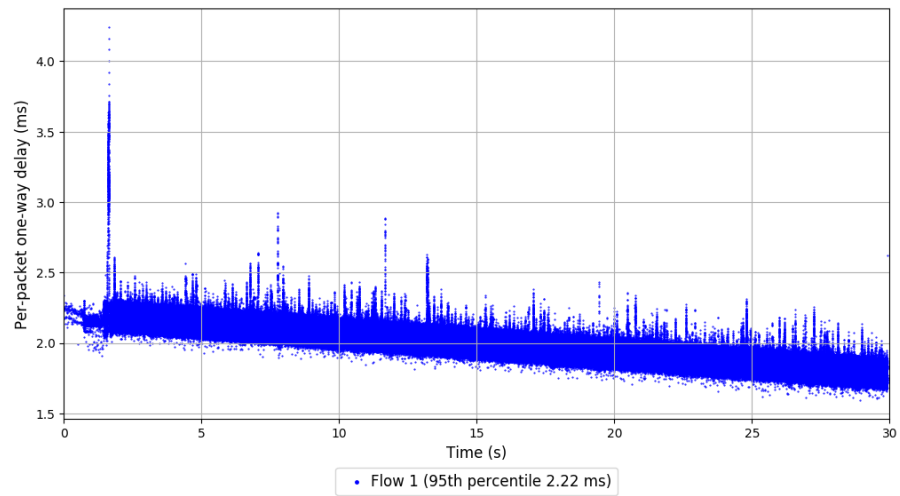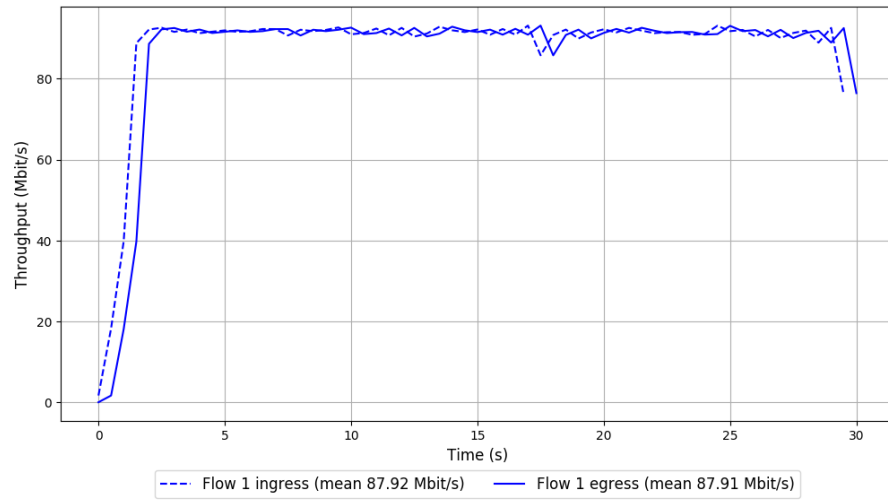
Run 7: Report of PCC-Vivace — Data Link

```
Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 03:22:29
End at: 2018-08-09 03:22:59
Local clock offset: -5.007 ms
Remote clock offset: 8.94 ms


# Below is generated by plot.py at 2018-08-09 04:36:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 2.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 2.730 ms
Loss rate: 0.00%
```
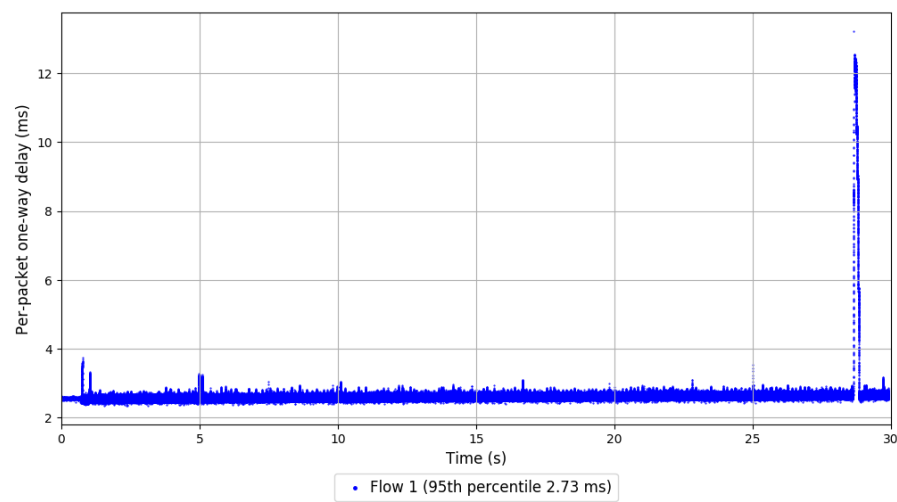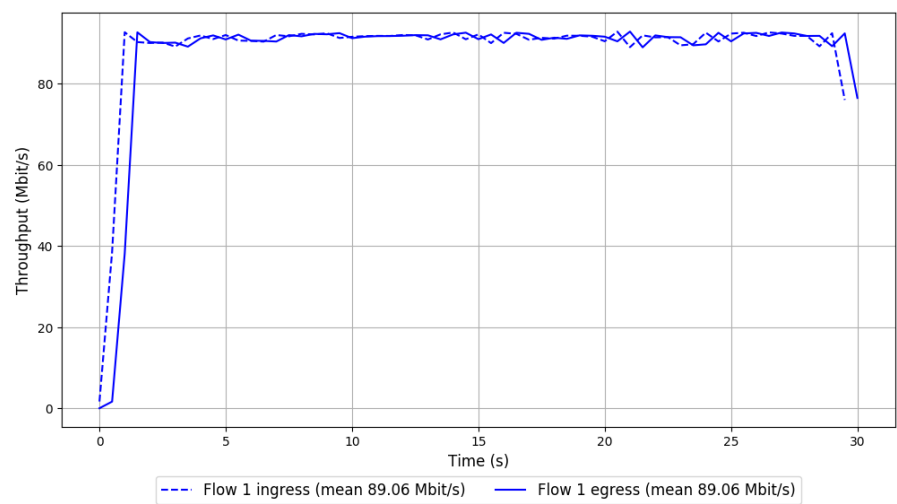
Run 8: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 89.06 Mbit/s)   Flow 1 egress (mean 89.06 Mbit/s)

Flow 1 (95th percentile 2.73 ms)

```
Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 03:41:31
End at: 2018-08-09 03:42:01
Local clock offset: -1.084 ms
Remote clock offset: 11.74 ms


# Below is generated by plot.py at 2018-08-09 04:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.00%
```
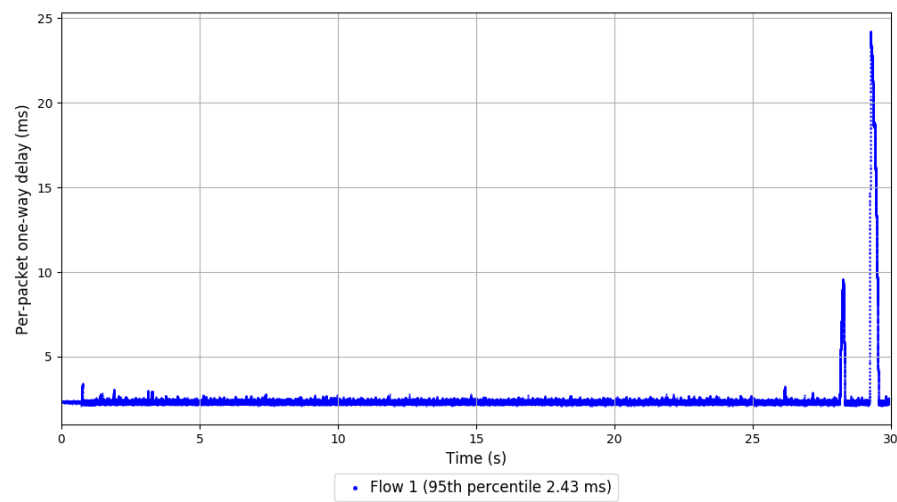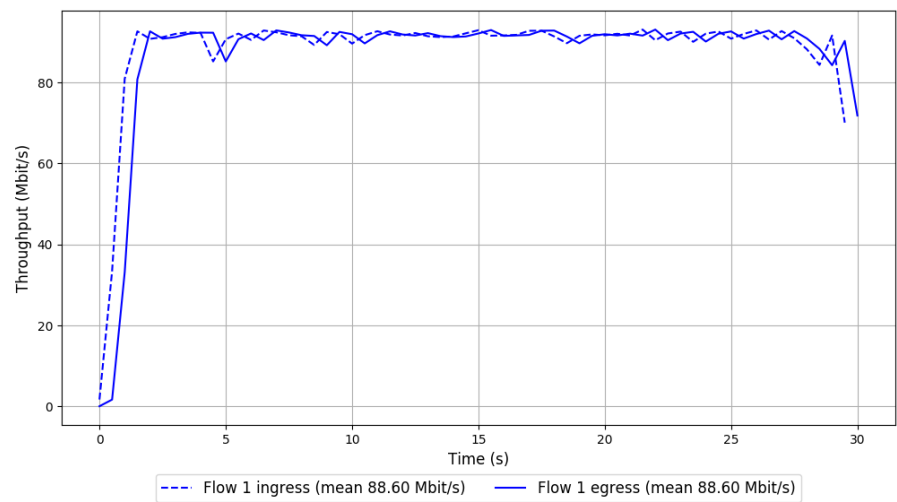
Run 9: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 88.60 Mbit/s)   Flow 1 egress (mean 88.60 Mbit/s)

Flow 1 (95th percentile 2.43 ms)

```
Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 04:00:33
End at: 2018-08-09 04:01:03
Local clock offset: -2.065 ms
Remote clock offset: 14.31 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 2.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 2.484 ms
Loss rate: 0.00%
```
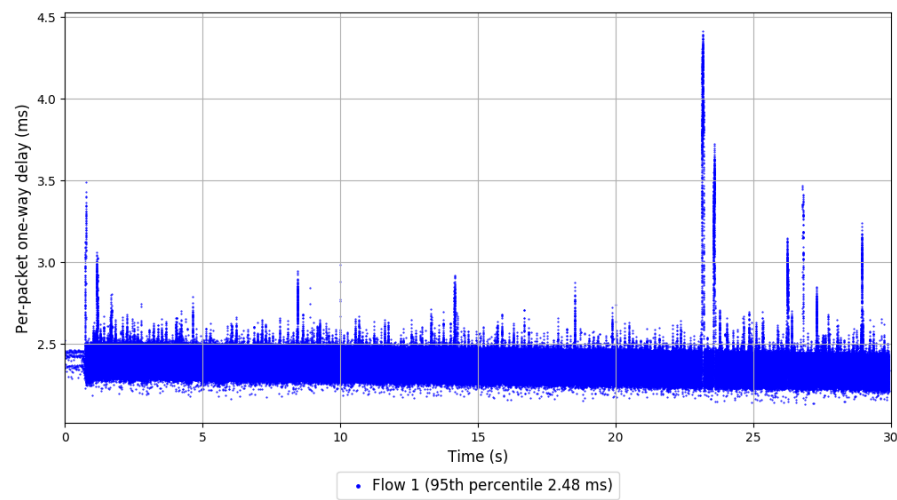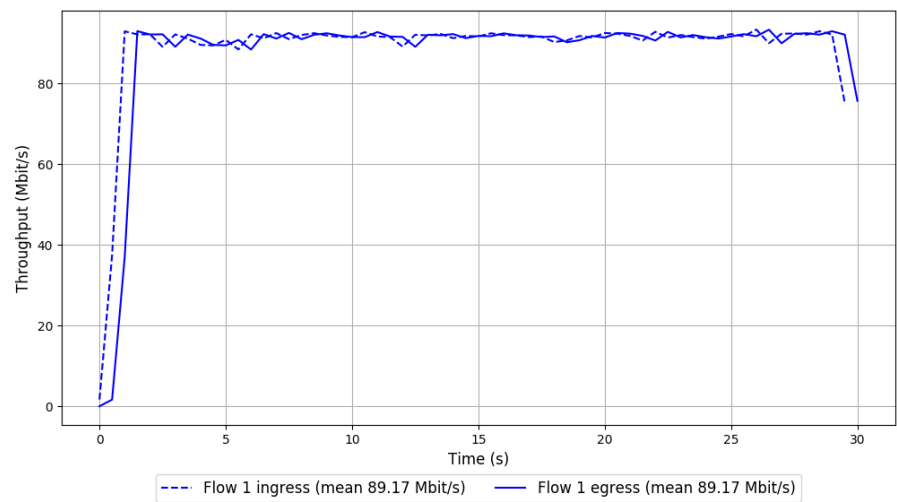
Run 10: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 89.17 Mbit/s) — — — —   Flow 1 egress (mean 89.17 Mbit/s)
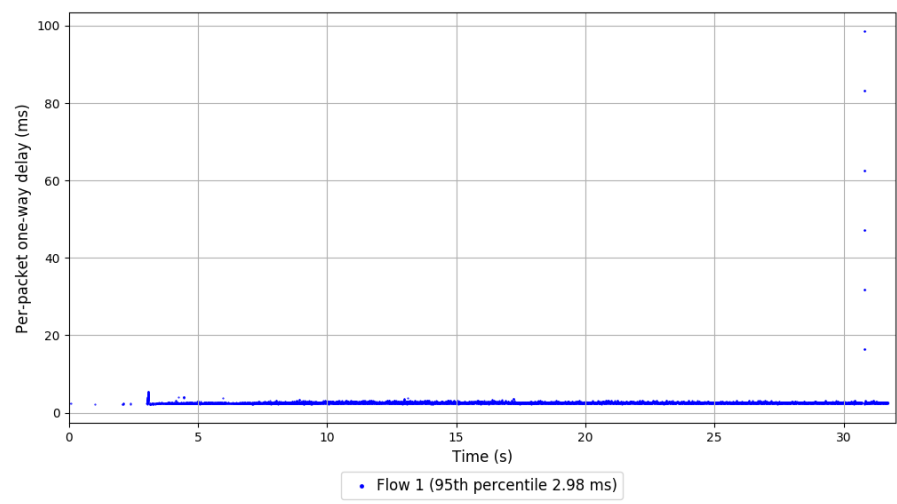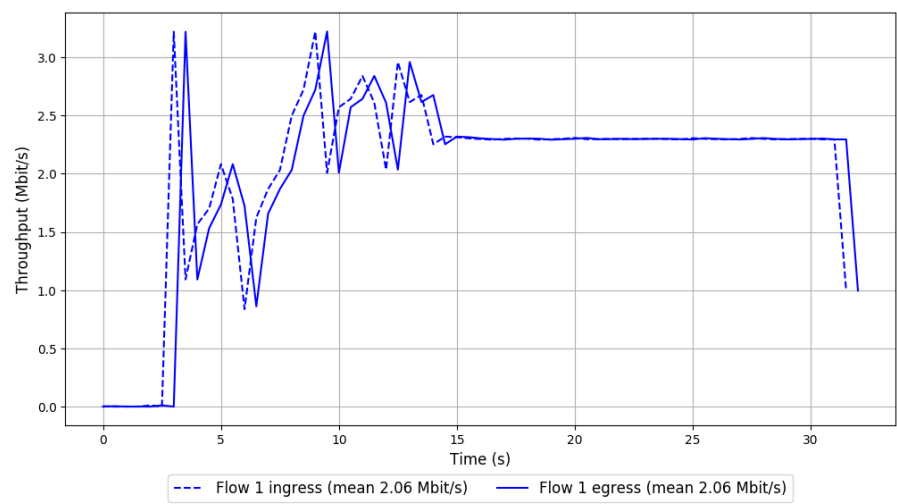

Flow 1 (95th percentile 2.48 ms)

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```
Run 1: Statistics of WebRTC media

Start at: 2018-08-09 01:13:46
End at: 2018-08-09 01:14:16
Local clock offset: -8.389 ms
Remote clock offset: -3.054 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 2.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 2.978 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.06 Mbit/s)   Flow 1 egress (mean 2.06 Mbit/s)

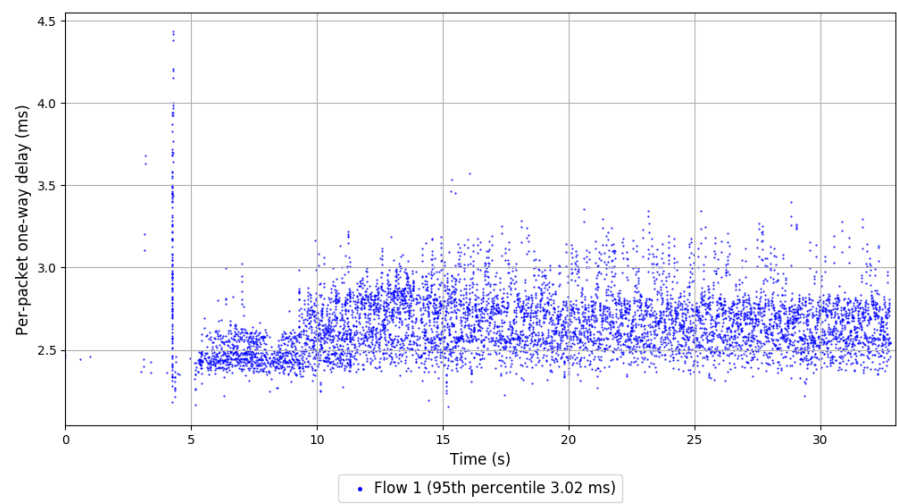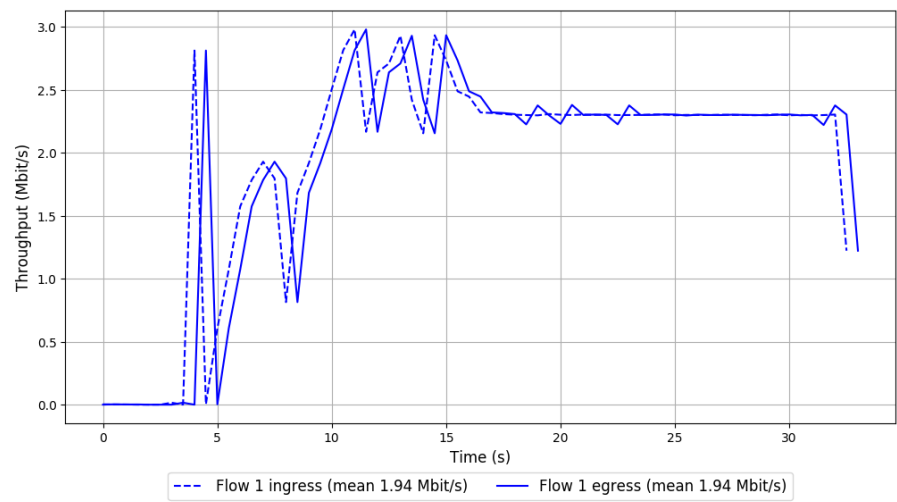Flow 1 (95th percentile 2.98 ms)

```
Run 2: Statistics of WebRTC media

Start at: 2018-08-09 01:32:48
End at: 2018-08-09 01:33:19
Local clock offset: -7.202 ms
Remote clock offset: -1.948 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 3.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 3.023 ms
Loss rate: 0.00%
```
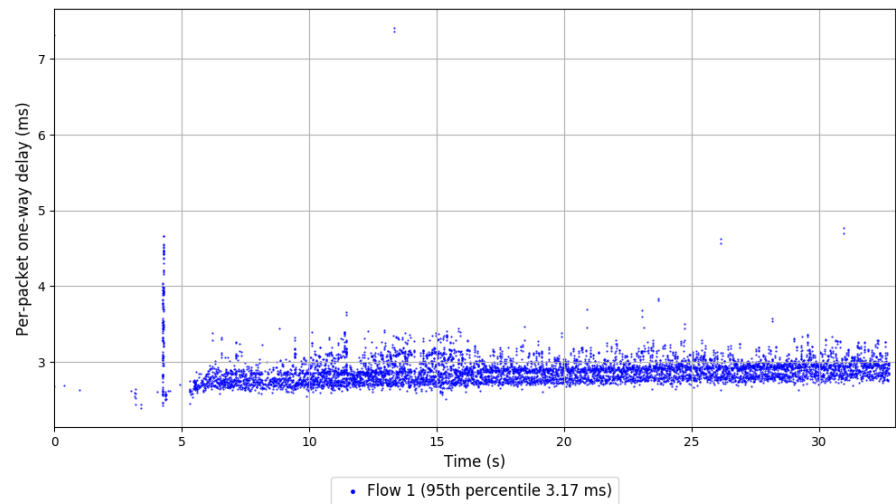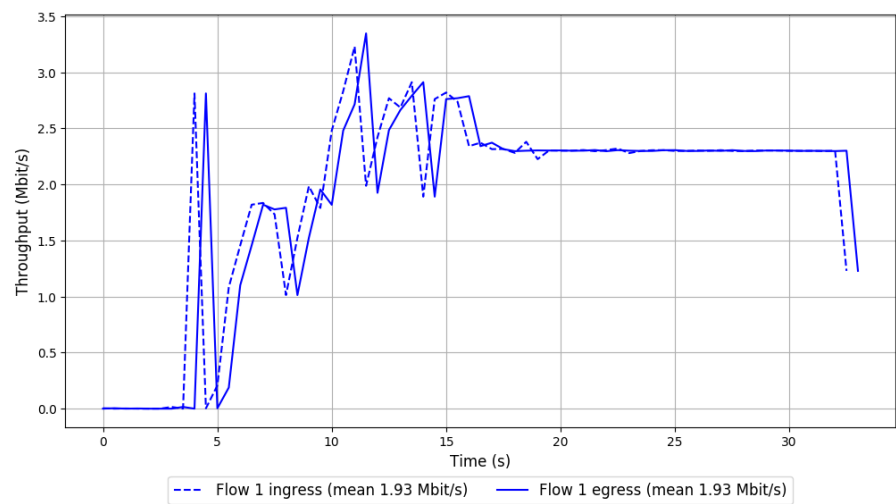
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-08-09 01:51:51
End at: 2018-08-09 01:52:21
Local clock offset: -4.734 ms
Remote clock offset: -1.457 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 3.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 3.166 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.93 Mbit/s) --- Flow 1 egress (mean 1.93 Mbit/s)

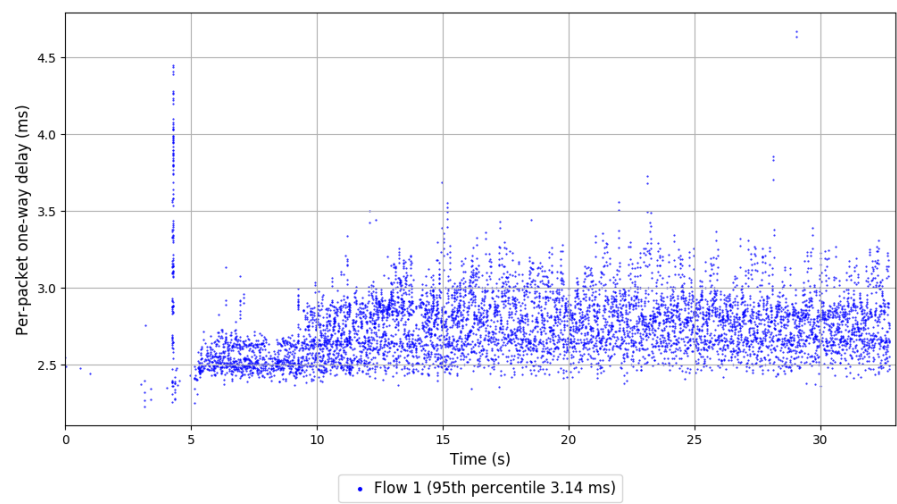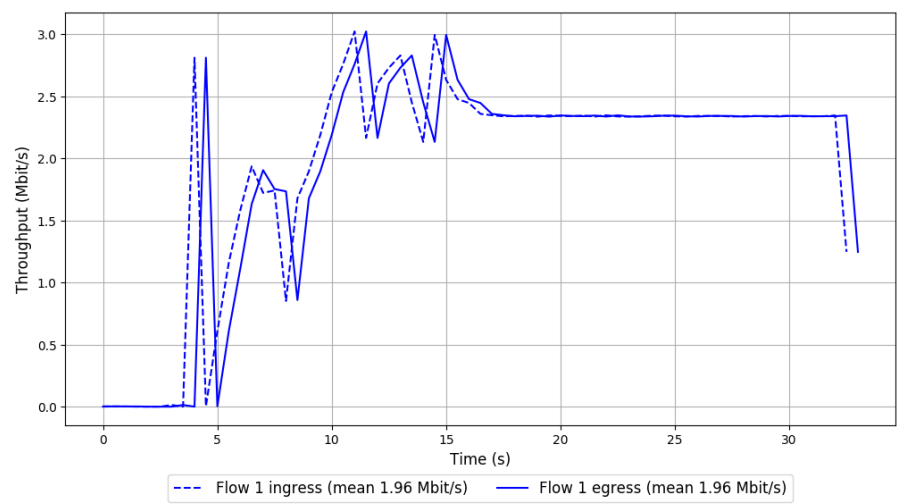
· Flow 1 (95th percentile 3.17 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2018-08-09 02:10:53
End at: 2018-08-09 02:11:23
Local clock offset: -1.756 ms
Remote clock offset: -1.166 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.140 ms
Loss rate: 0.00%
```
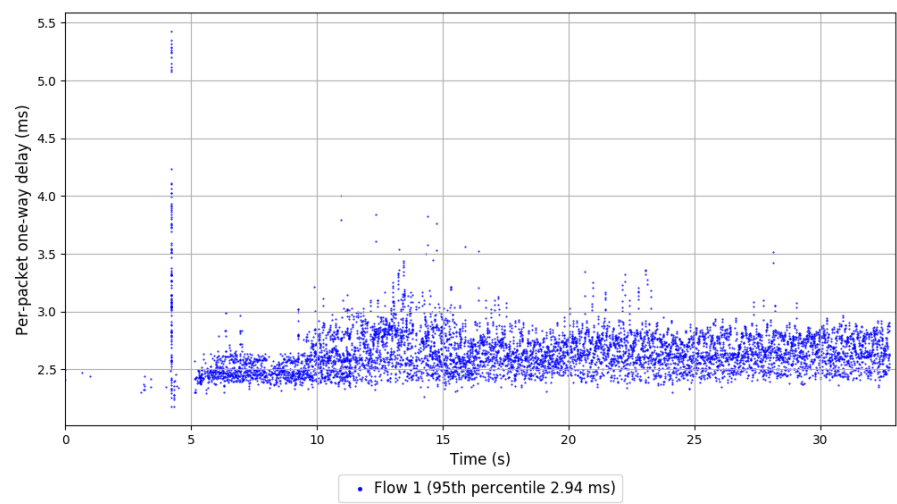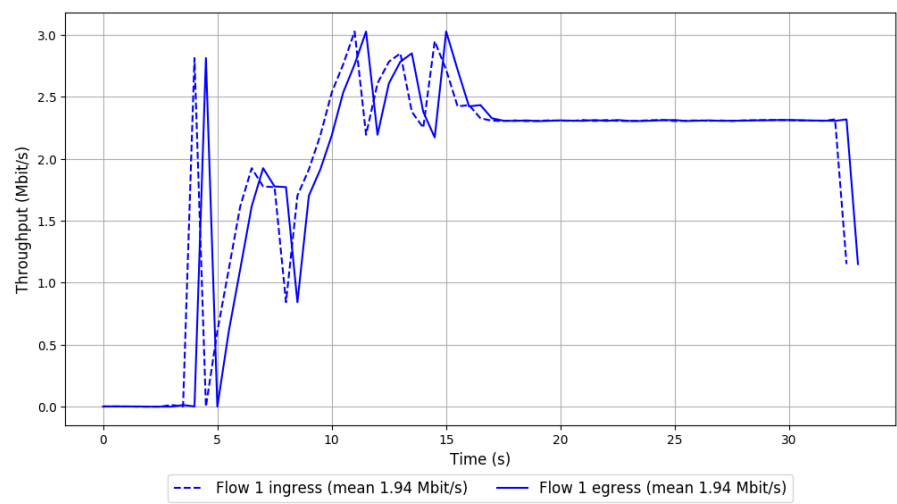
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2018-08-09 02:29:54
End at: 2018-08-09 02:30:24
Local clock offset: -1.971 ms
Remote clock offset: -1.367 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.937 ms
Loss rate: 0.00%
```
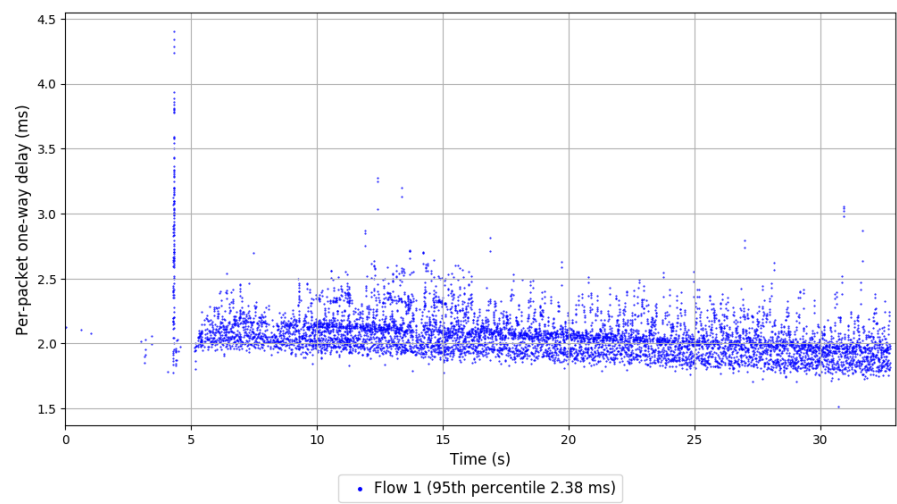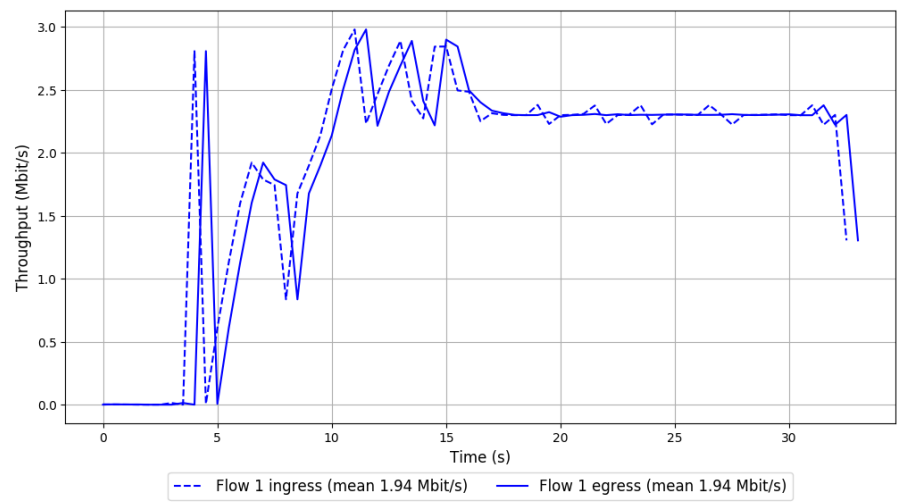
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2018-08-09 02:48:56
End at: 2018-08-09 02:49:26
Local clock offset: -3.613 ms
Remote clock offset: -2.115 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.375 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-08-09 03:07:58
End at: 2018-08-09 03:08:28
Local clock offset: -8.428 ms
Remote clock offset: 4.515 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.698 ms
Loss rate: 0.00%
```
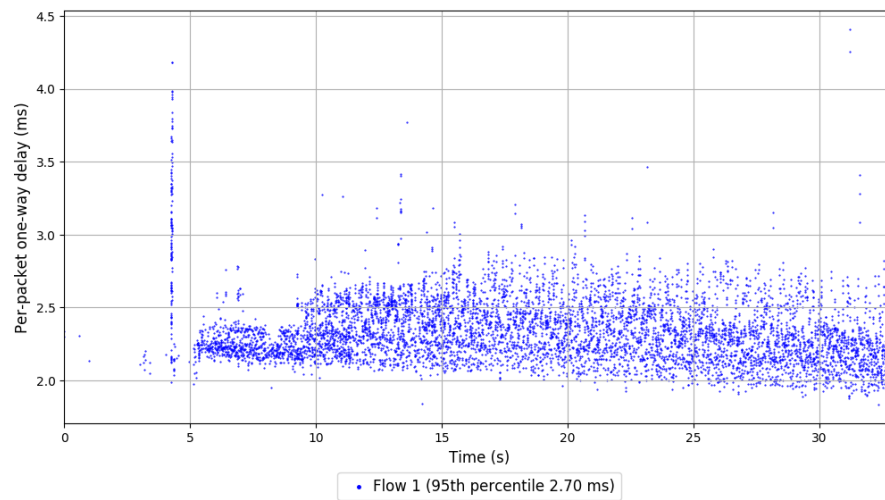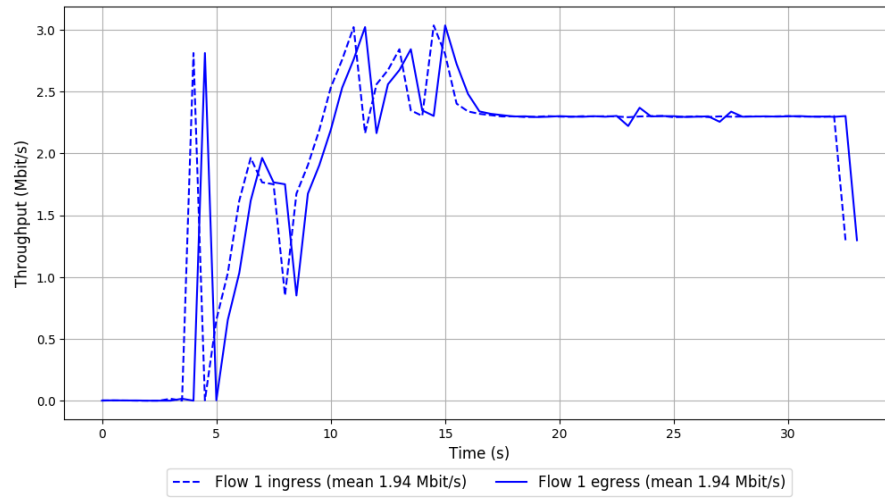
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-08-09 03:27:01
End at: 2018-08-09 03:27:31
Local clock offset: -3.41 ms
Remote clock offset: 9.818 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 3.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 3.202 ms
Loss rate: 0.00%
```
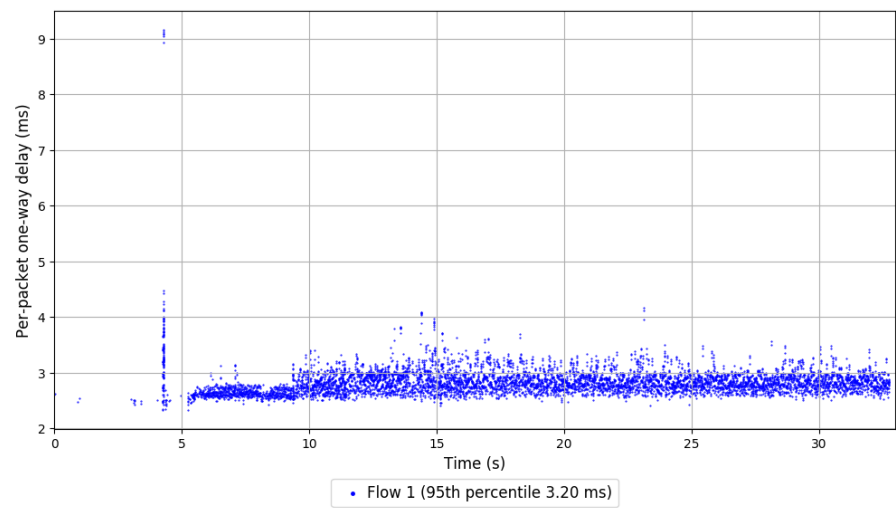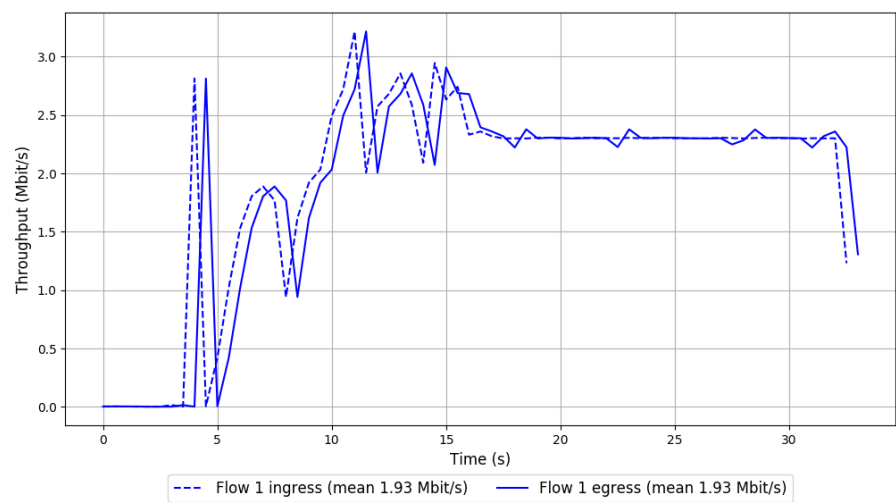
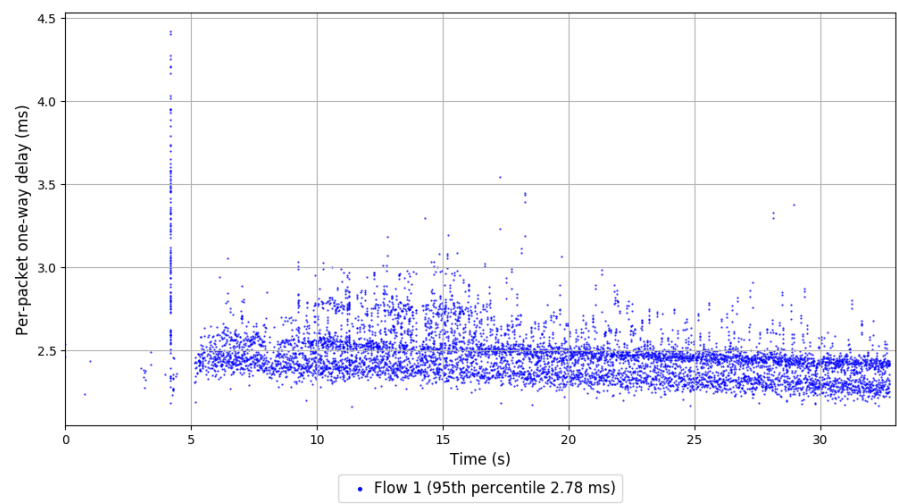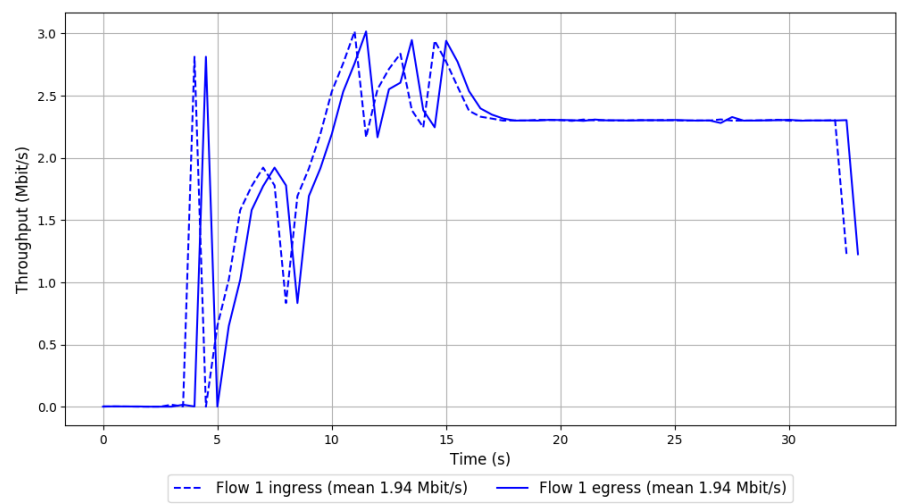## Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-08-09 03:46:02
End at: 2018-08-09 03:46:32
Local clock offset: -0.846 ms
Remote clock offset: 12.472 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 2.781 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-08-09 04:05:04
End at: 2018-08-09 04:05:34
Local clock offset: -2.164 ms
Remote clock offset: 14.871 ms


# Below is generated by plot.py at 2018-08-09 04:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 3.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 3.067 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link