Pantheon Report

Generated at 2018-07-10 15:55:20 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

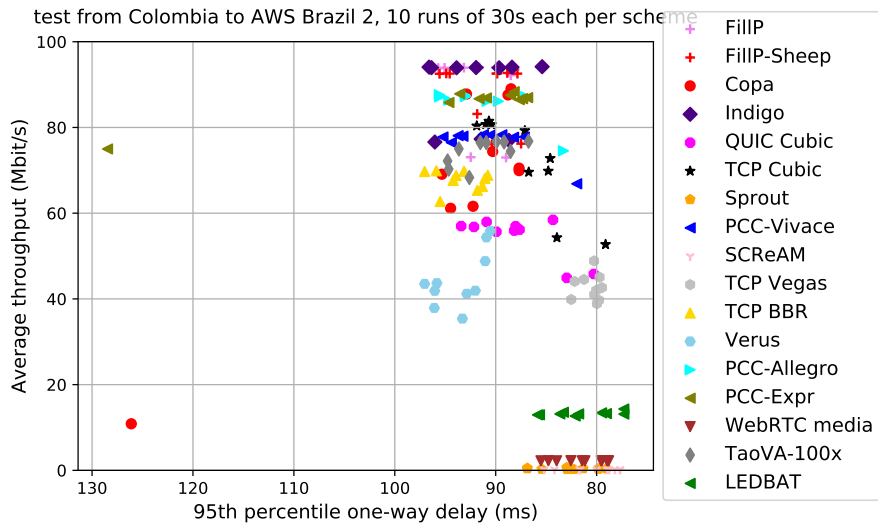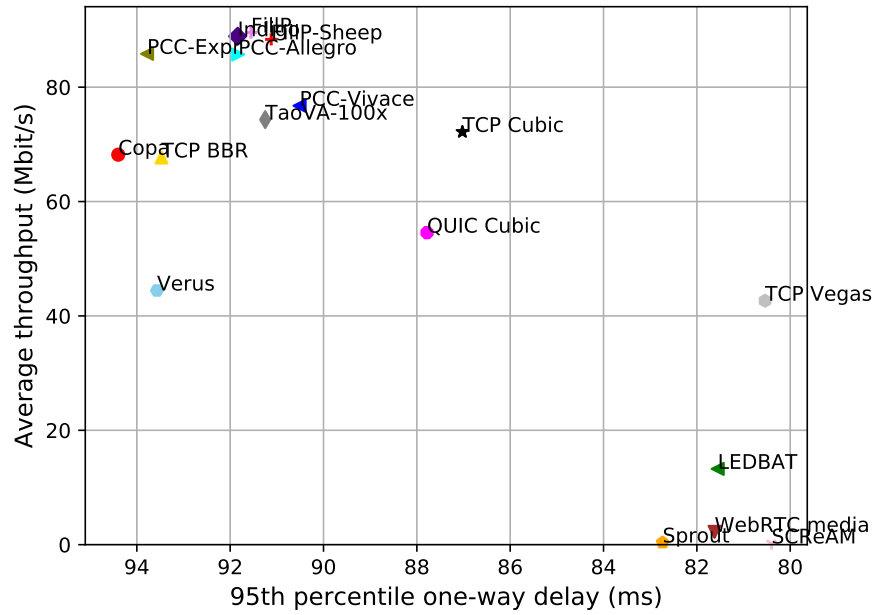Each test lasted for 30 seconds running 1 flow.

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

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

```
Git summary:
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
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 Colombia to AWS Brazil 2, 10 runs of 30s each per scheme (mean of all runs by scheme)
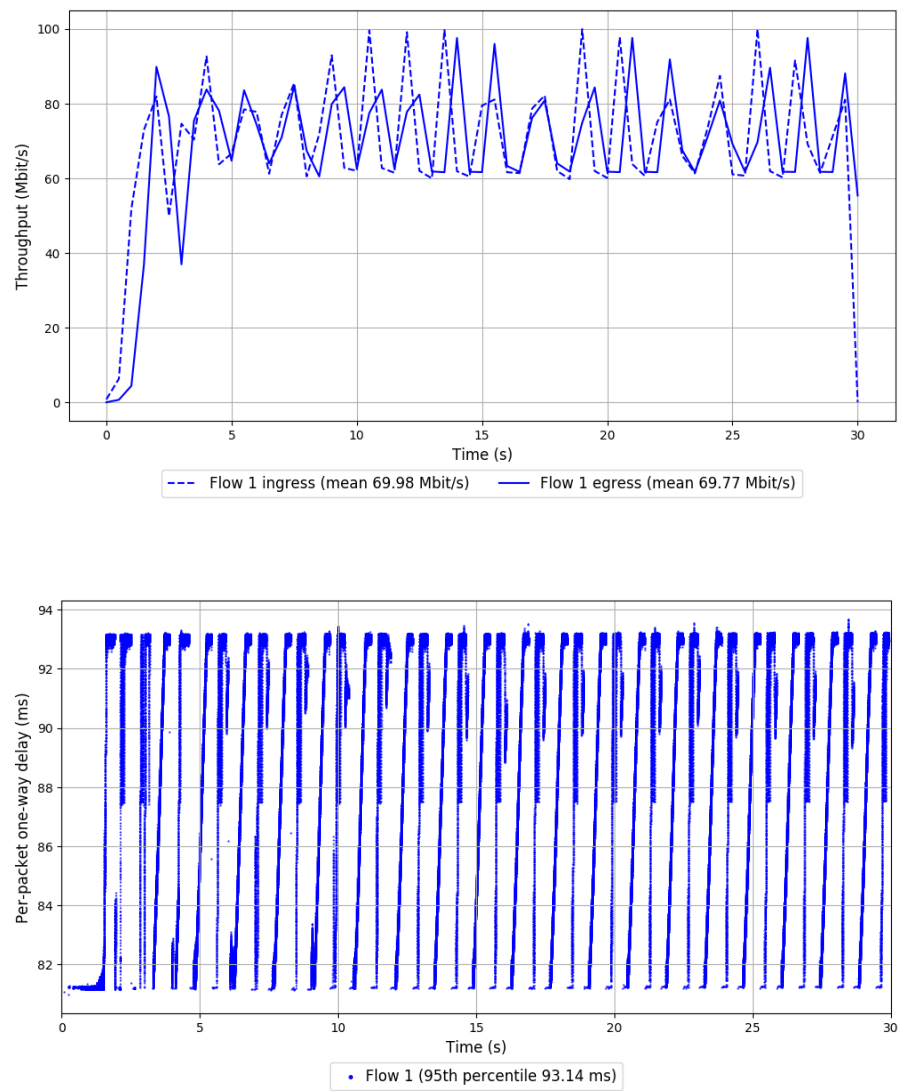

test from Colombia to AWS Brazil 2, 10 runs of 30s each per scheme

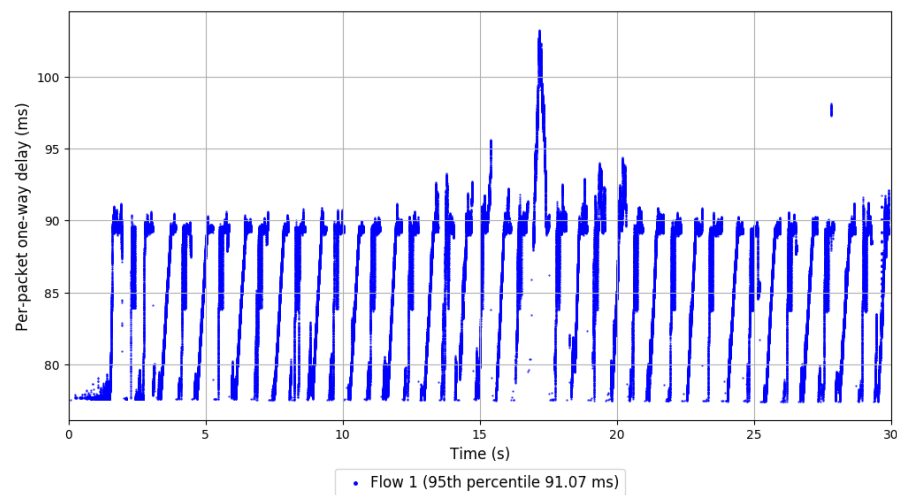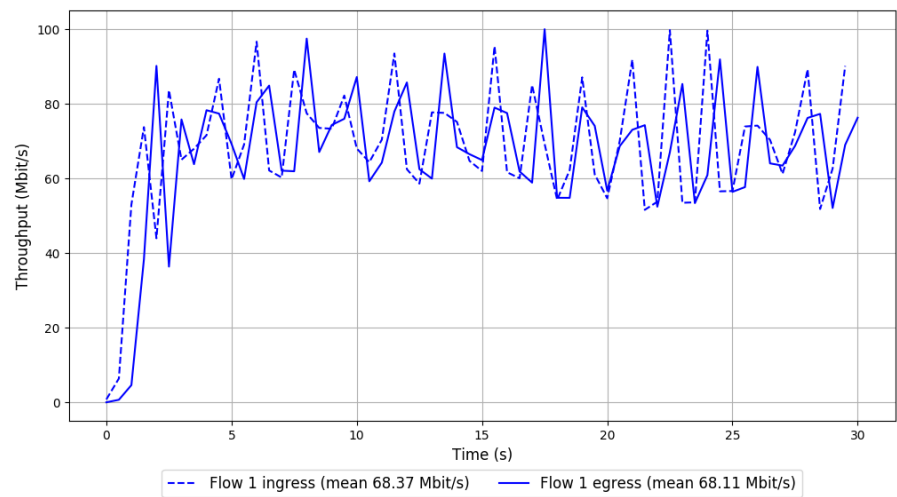| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	67.71	93.47	1.57
Copa	10	68.20	94.40	0.54
TCP Cubic	10	72.18	87.02	0.61
FillP	10	89.56	91.55	3.30
FillP-Sheep	10	88.36	91.12	5.12
Indigo	10	88.90	91.84	4.96
LEDBAT	10	13.25	81.55	1.09
PCC-Allegro	10	85.71	91.83	0.72
PCC-Expr	10	85.83	93.78	0.75
QUIC Cubic	10	54.56	87.78	1.02
SCReAM	10	0.22	80.40	0.54
Sprout	10	0.38	82.73	0.58
TaoVA-100x	10	74.33	91.25	2.20
TCP Vegas	10	42.66	80.54	0.59
Verus	10	44.45	93.57	2.37
PCC-Vivace	10	76.75	90.51	0.82
WebRTC media	10	2.24	81.62	0.31

```
Run 1: Statistics of TCP BBR

Start at: 2018-07-10 12:16:21
End at: 2018-07-10 12:16:51
Local clock offset: -0.179 ms
Remote clock offset: 13.504 ms

# Below is generated by plot.py at 2018-07-10 15:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 93.139 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 93.139 ms
Loss rate: 0.83%
```

Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 69.98 Mbit/s)   Flow 1 egress (mean 69.77 Mbit/s)

Flow 1 (95th percentile 93.14 ms)

```
Run 2: Statistics of TCP BBR

Start at: 2018-07-10 12:36:10
End at: 2018-07-10 12:36:40
Local clock offset: -0.192 ms
Remote clock offset: 10.346 ms


# Below is generated by plot.py at 2018-07-10 15:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.11 Mbit/s
95th percentile per-packet one-way delay: 91.071 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 68.11 Mbit/s
95th percentile per-packet one-way delay: 91.071 ms
Loss rate: 0.76%
```
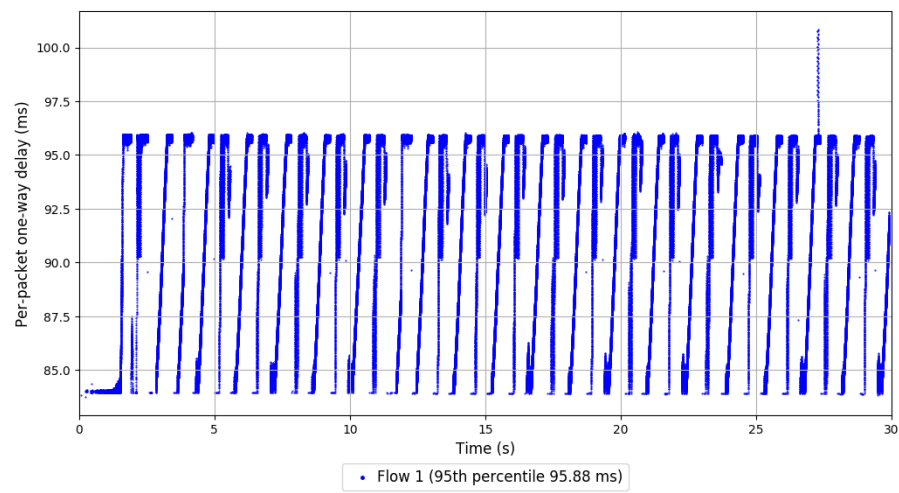
Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2018-07-10 12:56:01
End at: 2018-07-10 12:56:31
Local clock offset: -0.207 ms
Remote clock offset: 1.813 ms


# Below is generated by plot.py at 2018-07-10 15:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 95.883 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 95.883 ms
Loss rate: 0.98%
```
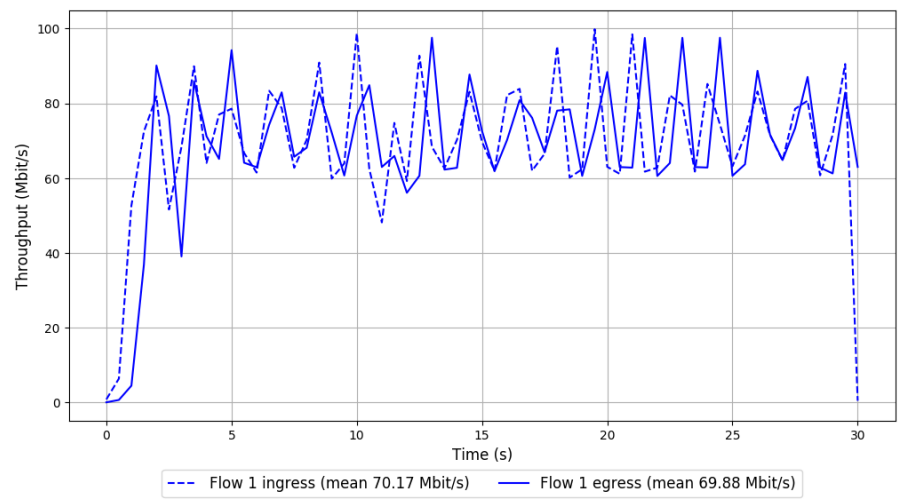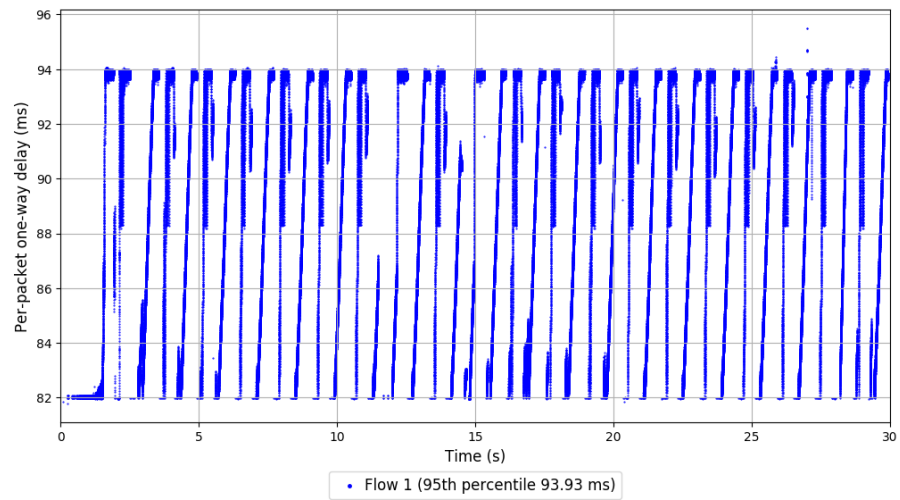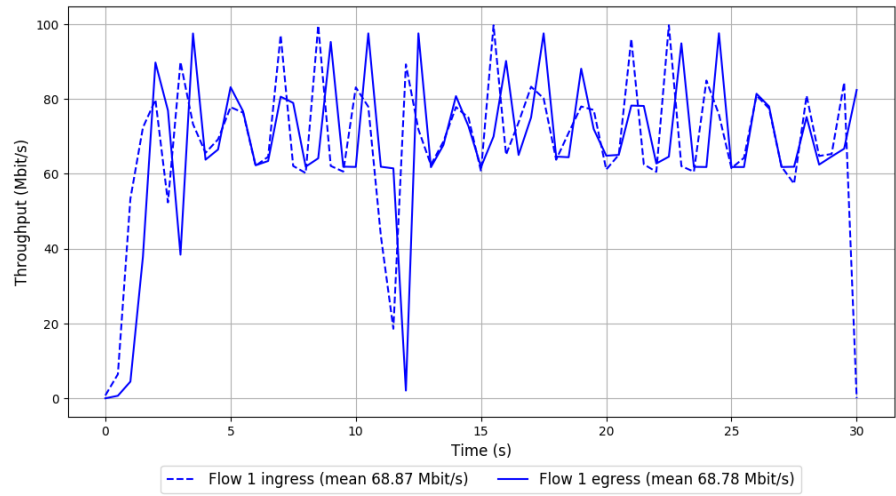
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 70.17 Mbit/s)   Flow 1 egress (mean 69.88 Mbit/s)

• Flow 1 (95th percentile 95.88 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-07-10 13:15:50
End at: 2018-07-10 13:16:20
Local clock offset: -0.278 ms
Remote clock offset: 2.188 ms


# Below is generated by plot.py at 2018-07-10 15:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.78 Mbit/s
95th percentile per-packet one-way delay: 93.926 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 68.78 Mbit/s
95th percentile per-packet one-way delay: 93.926 ms
Loss rate: 0.66%
```
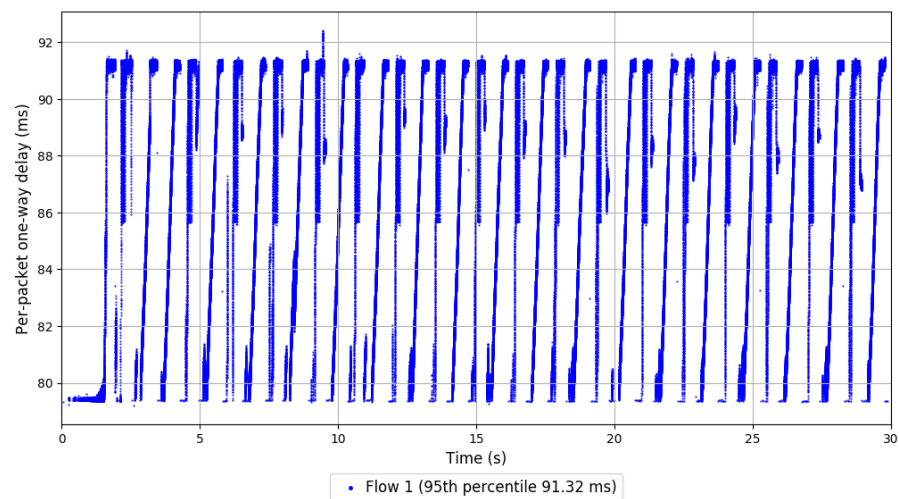
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2018-07-10 13:35:38
End at: 2018-07-10 13:36:08
Local clock offset: -0.142 ms
Remote clock offset: 6.384 ms


# Below is generated by plot.py at 2018-07-10 15:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 91.316 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 91.316 ms
Loss rate: 0.48%
```
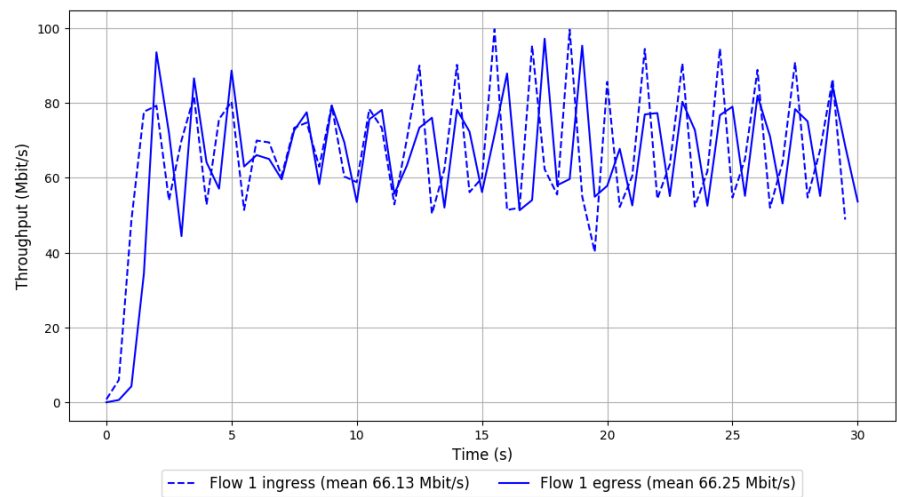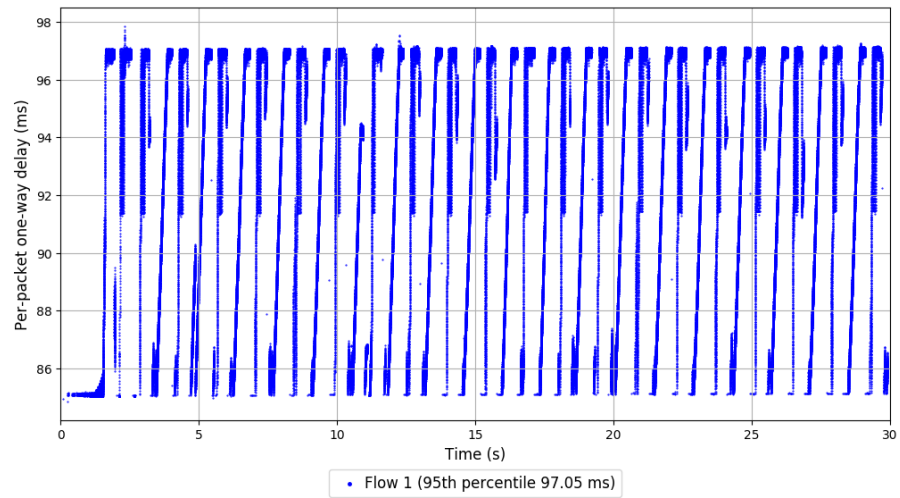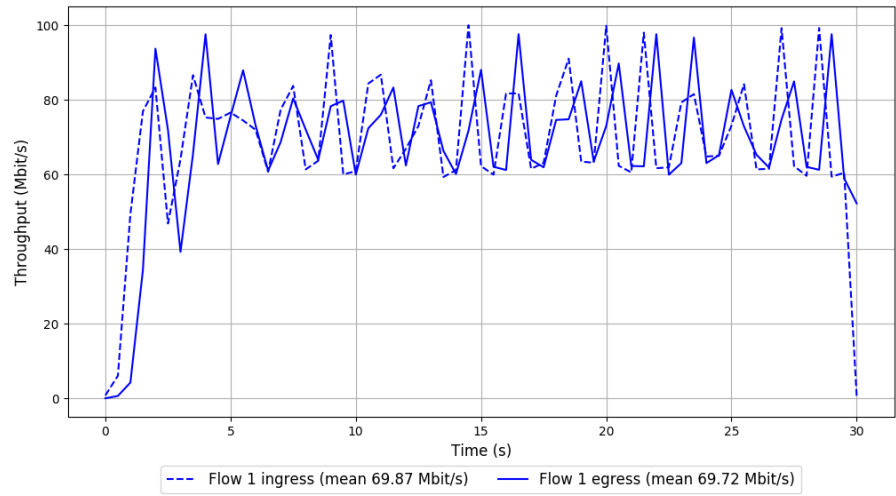
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 66.13 Mbit/s)   Flow 1 egress (mean 66.25 Mbit/s)

• Flow 1 (95th percentile 91.32 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-07-10 13:55:23
End at: 2018-07-10 13:55:53
Local clock offset: -0.157 ms
Remote clock offset: 9.172 ms


# Below is generated by plot.py at 2018-07-10 15:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.72 Mbit/s
95th percentile per-packet one-way delay: 97.046 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 69.72 Mbit/s
95th percentile per-packet one-way delay: 97.046 ms
Loss rate: 0.84%
```
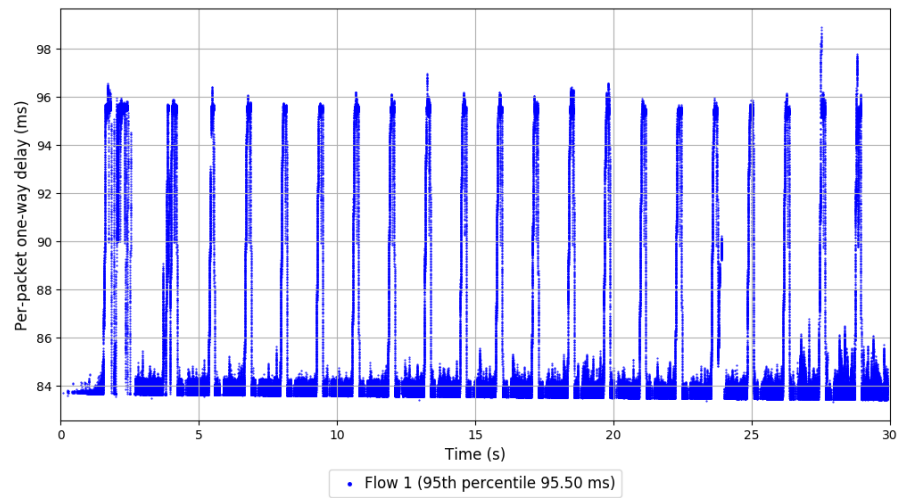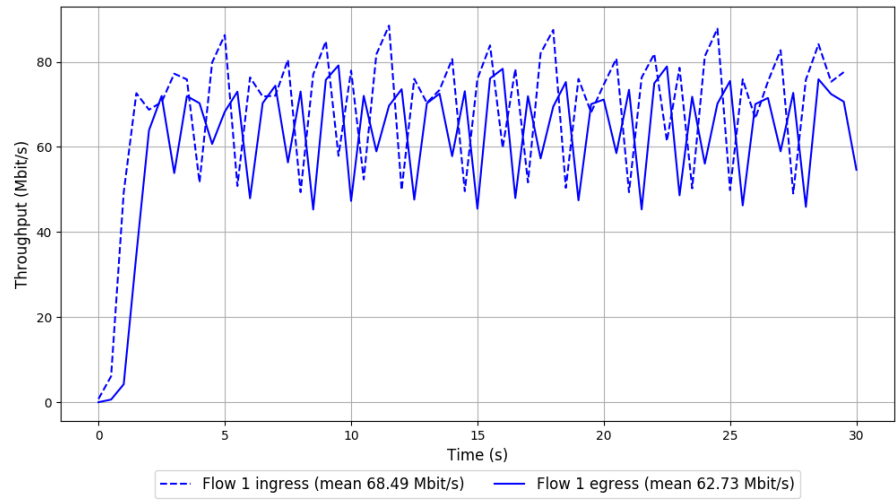
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 69.87 Mbit/s)   ——— Flow 1 egress (mean 69.72 Mbit/s)

· Flow 1 (95th percentile 97.05 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-07-10 14:15:13
End at: 2018-07-10 14:15:44
Local clock offset: -0.166 ms
Remote clock offset: 8.965 ms


# Below is generated by plot.py at 2018-07-10 15:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.73 Mbit/s
95th percentile per-packet one-way delay: 95.505 ms
Loss rate: 8.93%
-- Flow 1:
Average throughput: 62.73 Mbit/s
95th percentile per-packet one-way delay: 95.505 ms
Loss rate: 8.93%
```
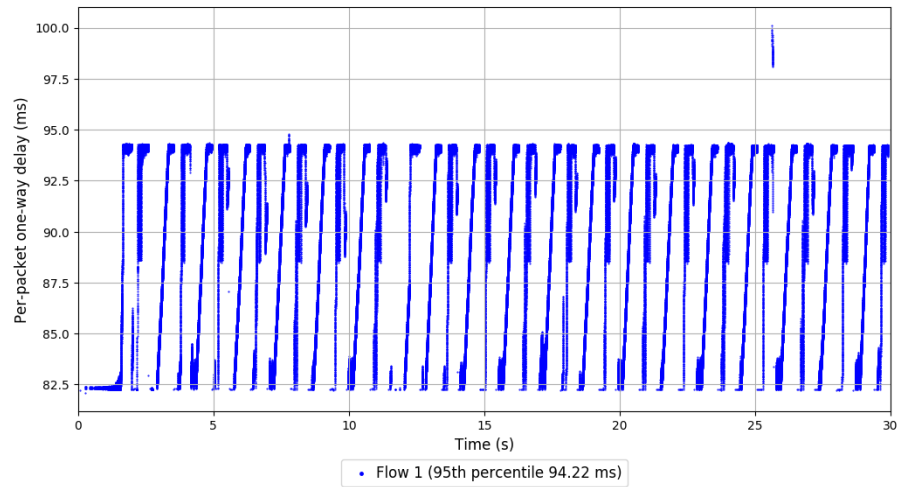
Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2018-07-10 14:35:19
End at: 2018-07-10 14:35:49
Local clock offset: -0.129 ms
Remote clock offset: 3.433 ms


# Below is generated by plot.py at 2018-07-10 15:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.66 Mbit/s
95th percentile per-packet one-way delay: 94.219 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 67.66 Mbit/s
95th percentile per-packet one-way delay: 94.219 ms
Loss rate: 0.66%
```
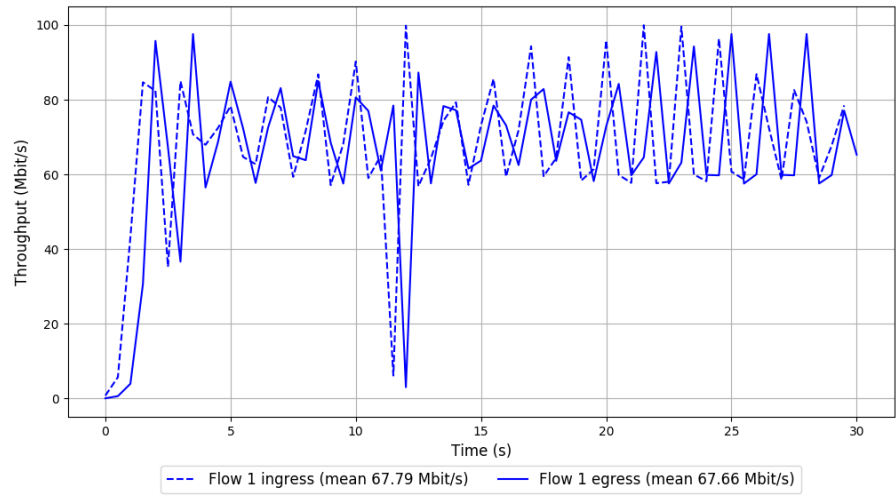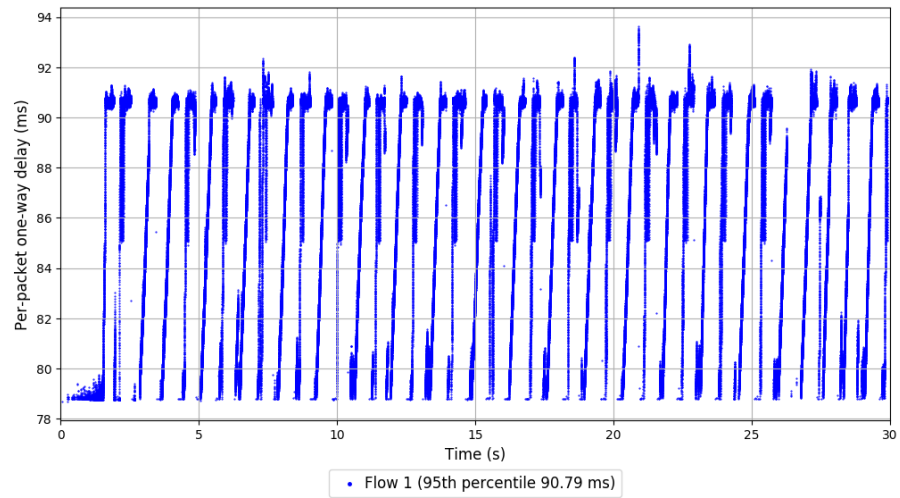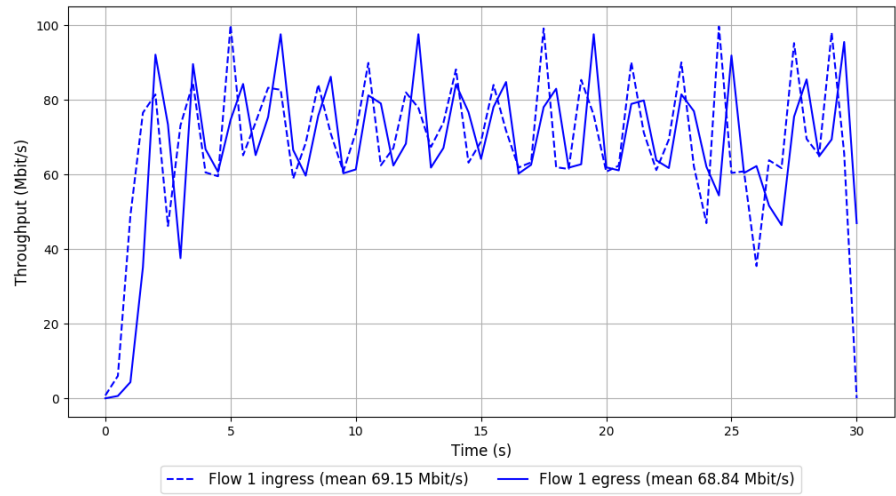
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 67.79 Mbit/s) --- Flow 1 egress (mean 67.66 Mbit/s)

Flow 1 (95th percentile 94.22 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-07-10 14:55:10
End at: 2018-07-10 14:55:40
Local clock offset: -0.229 ms
Remote clock offset: 9.838 ms


# Below is generated by plot.py at 2018-07-10 15:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 90.788 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 90.788 ms
Loss rate: 1.00%
```
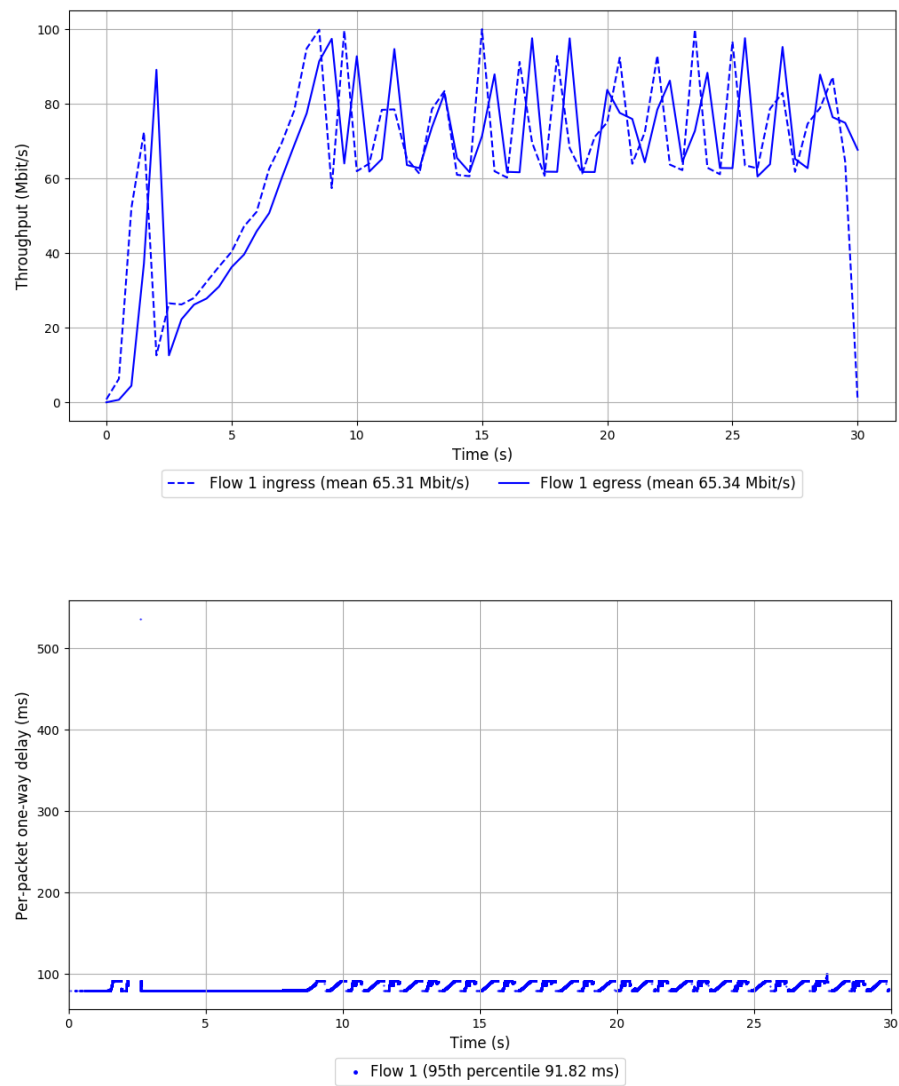
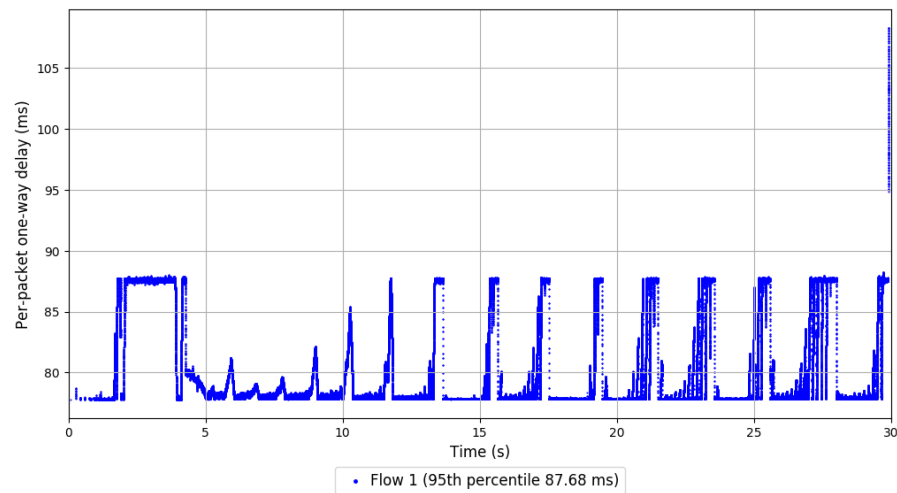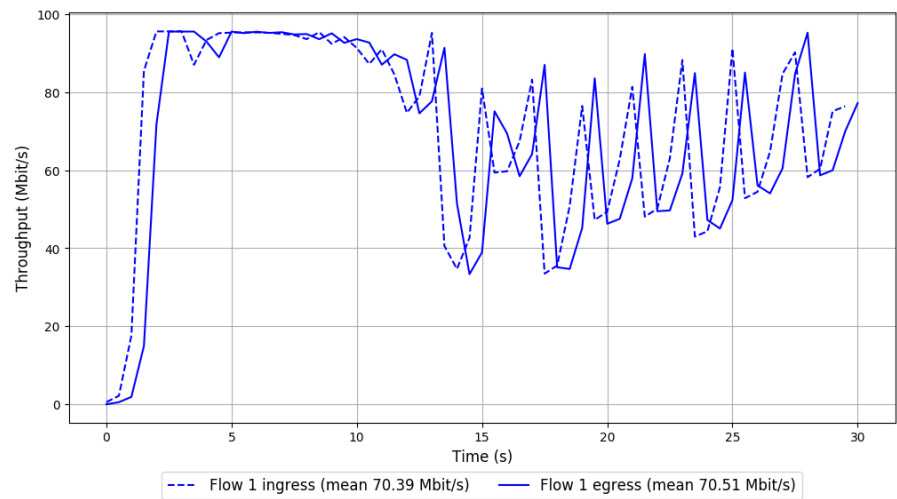Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 69.15 Mbit/s)   Flow 1 egress (mean 68.84 Mbit/s)

Flow 1 (95th percentile 90.79 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-07-10 15:15:01
End at: 2018-07-10 15:15:31
Local clock offset: -0.215 ms
Remote clock offset: 8.916 ms


# Below is generated by plot.py at 2018-07-10 15:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.34 Mbit/s
95th percentile per-packet one-way delay: 91.817 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 65.34 Mbit/s
95th percentile per-packet one-way delay: 91.817 ms
Loss rate: 0.53%
```

Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-07-10 12:18:45
End at: 2018-07-10 12:19:15
Local clock offset: -0.192 ms
Remote clock offset: 14.836 ms


# Below is generated by plot.py at 2018-07-10 15:39:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 87.684 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 87.684 ms
Loss rate: 0.38%
```
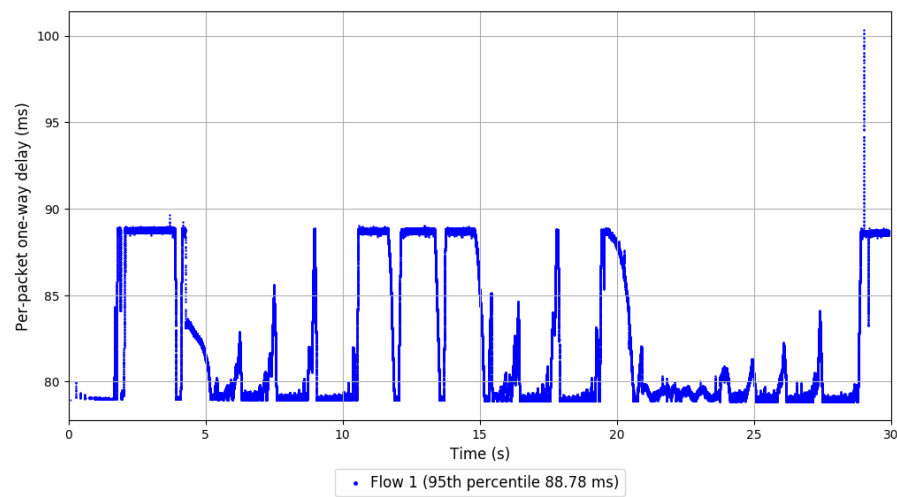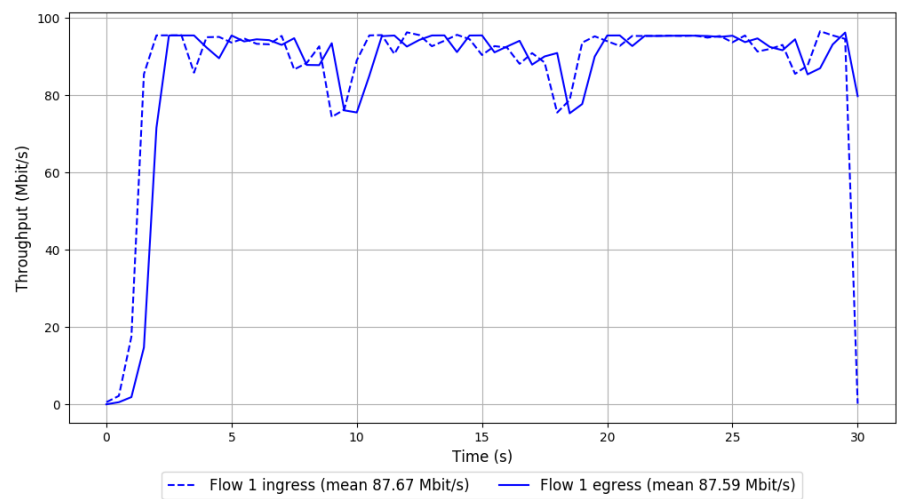
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 70.39 Mbit/s)   Flow 1 egress (mean 70.51 Mbit/s)

Flow 1 (95th percentile 87.68 ms)

```
Run 2: Statistics of Copa

Start at: 2018-07-10 12:38:34
End at: 2018-07-10 12:39:04
Local clock offset: -0.258 ms
Remote clock offset: 8.335 ms

# Below is generated by plot.py at 2018-07-10 15:39:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 88.781 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 88.781 ms
Loss rate: 0.63%
```
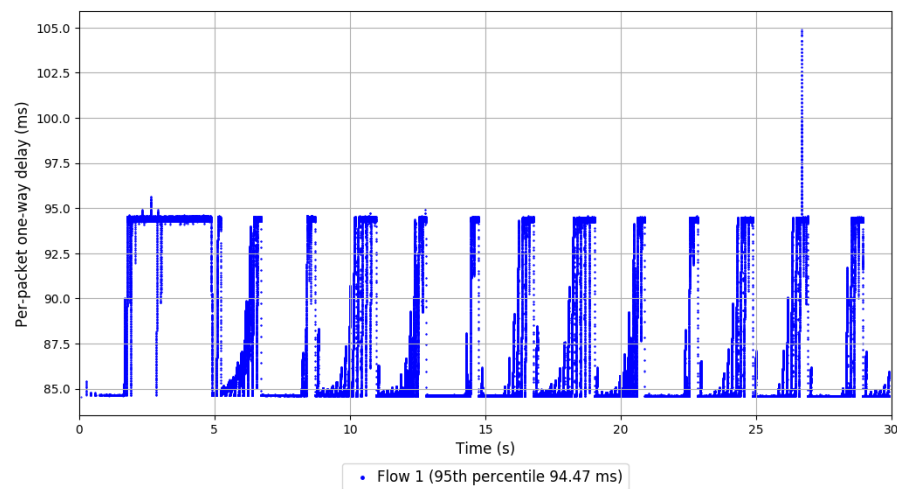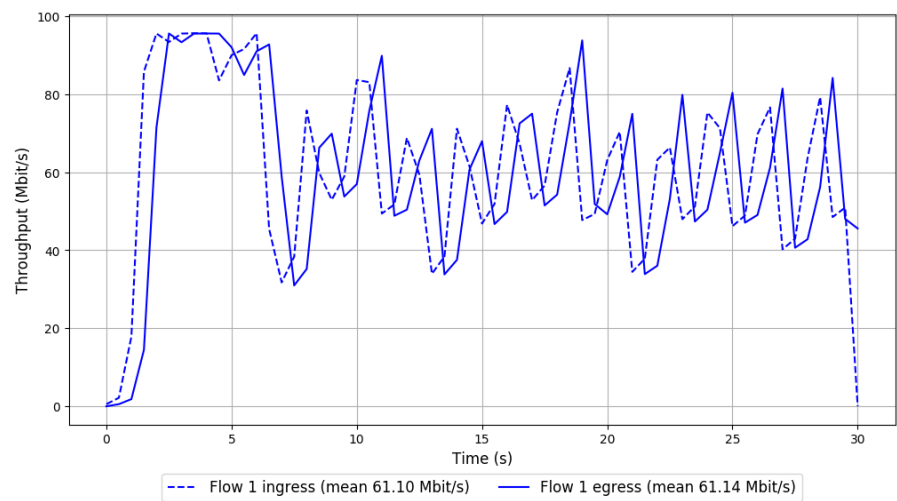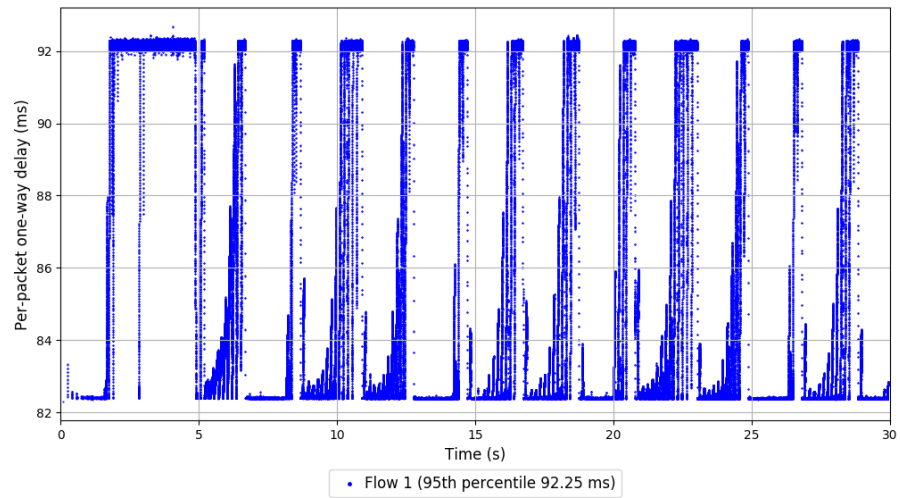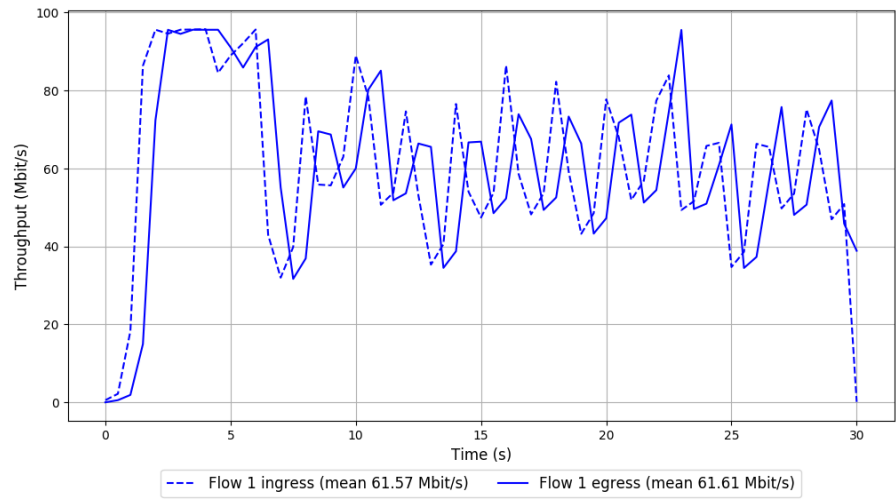
Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-07-10 12:58:25
End at: 2018-07-10 12:58:55
Local clock offset: -0.208 ms
Remote clock offset: 0.388 ms


# Below is generated by plot.py at 2018-07-10 15:39:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 94.469 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 94.469 ms
Loss rate: 0.49%
```

Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2018-07-10 13:18:14
End at: 2018-07-10 13:18:44
Local clock offset: -0.209 ms
Remote clock offset: 1.017 ms


# Below is generated by plot.py at 2018-07-10 15:39:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 92.246 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 92.246 ms
Loss rate: 0.47%
```
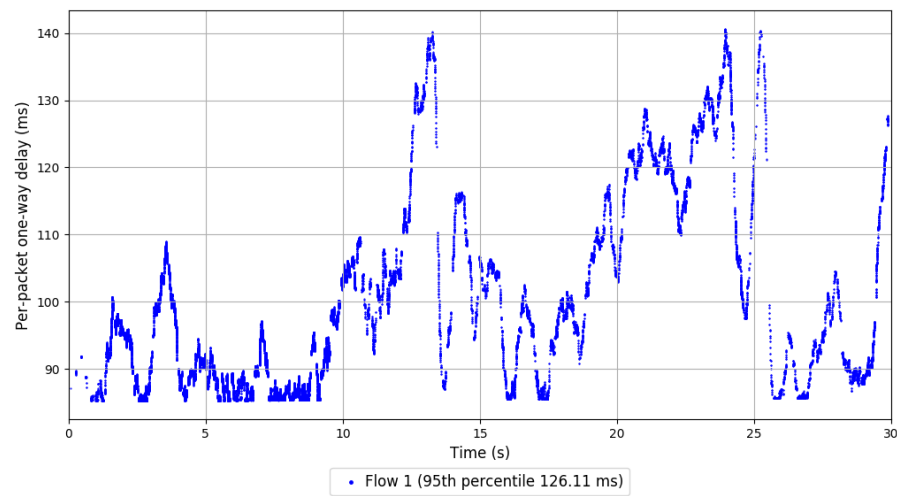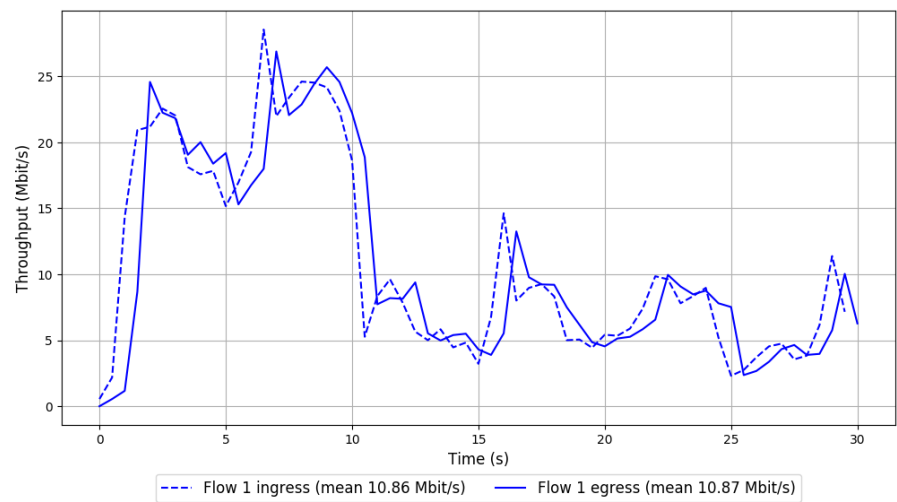
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 61.57 Mbit/s) — Flow 1 egress (mean 61.61 Mbit/s)

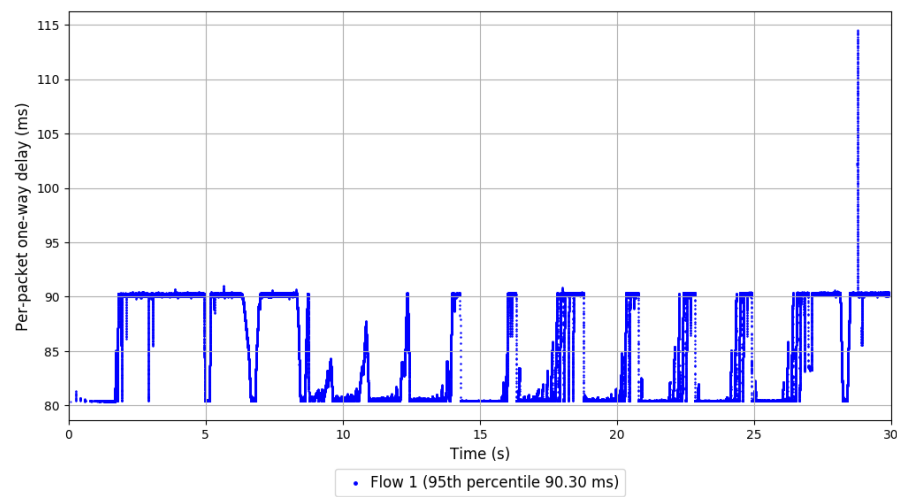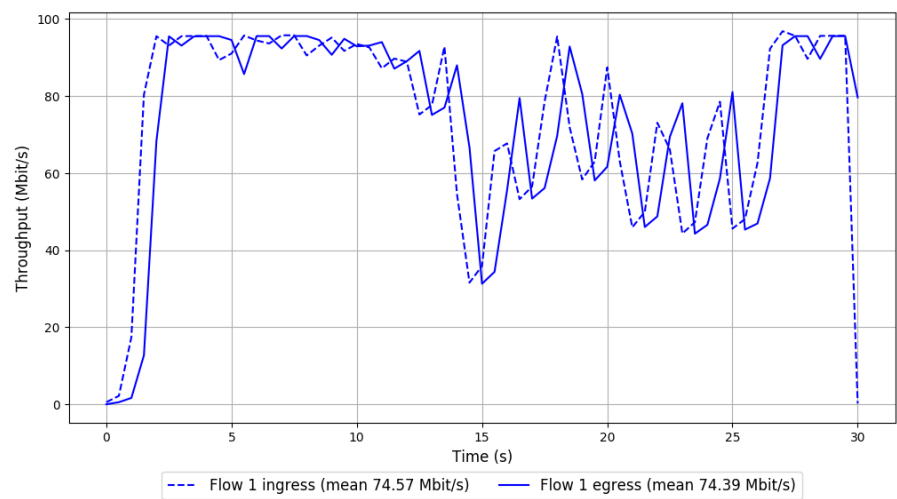· Flow 1 (95th percentile 92.25 ms)

```
Run 5: Statistics of Copa

Start at: 2018-07-10 13:38:02
End at: 2018-07-10 13:38:32
Local clock offset: -0.148 ms
Remote clock offset: 1.917 ms


# Below is generated by plot.py at 2018-07-10 15:39:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 126.113 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 126.113 ms
Loss rate: 0.51%
```

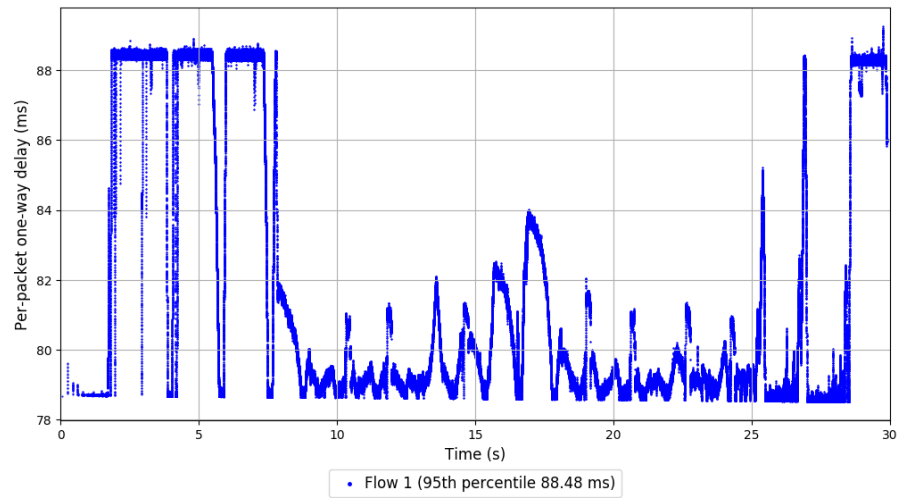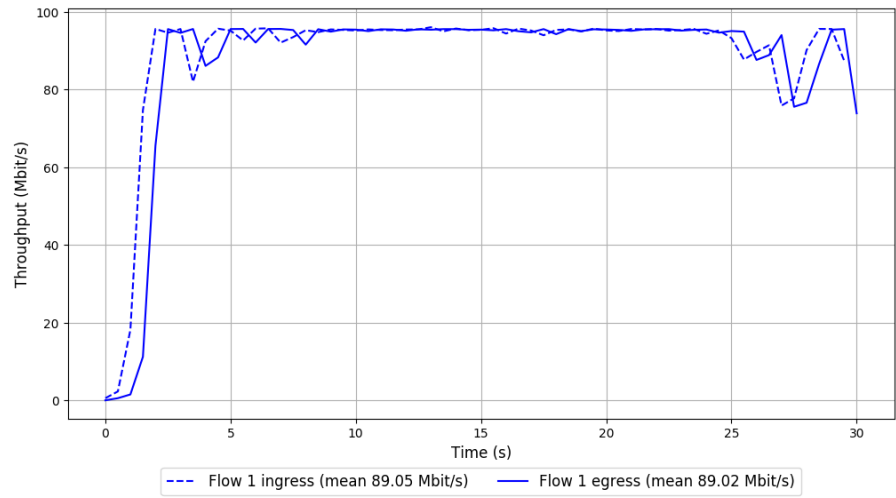## Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-07-10 13:57:48
End at: 2018-07-10 13:58:18
Local clock offset: -0.147 ms
Remote clock offset: 14.696 ms


# Below is generated by plot.py at 2018-07-10 15:39:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.39 Mbit/s
95th percentile per-packet one-way delay: 90.300 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 74.39 Mbit/s
95th percentile per-packet one-way delay: 90.300 ms
Loss rate: 0.78%
```

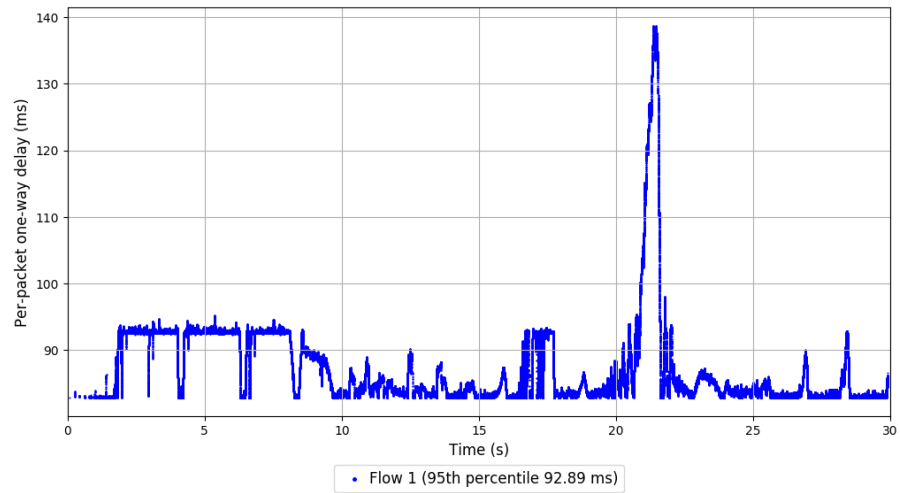Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2018-07-10 14:17:39
End at: 2018-07-10 14:18:09
Local clock offset: -0.151 ms
Remote clock offset: 12.906 ms


# Below is generated by plot.py at 2018-07-10 15:40:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 88.482 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 88.482 ms
Loss rate: 0.59%
```

Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 89.05 Mbit/s)   Flow 1 egress (mean 89.02 Mbit/s)

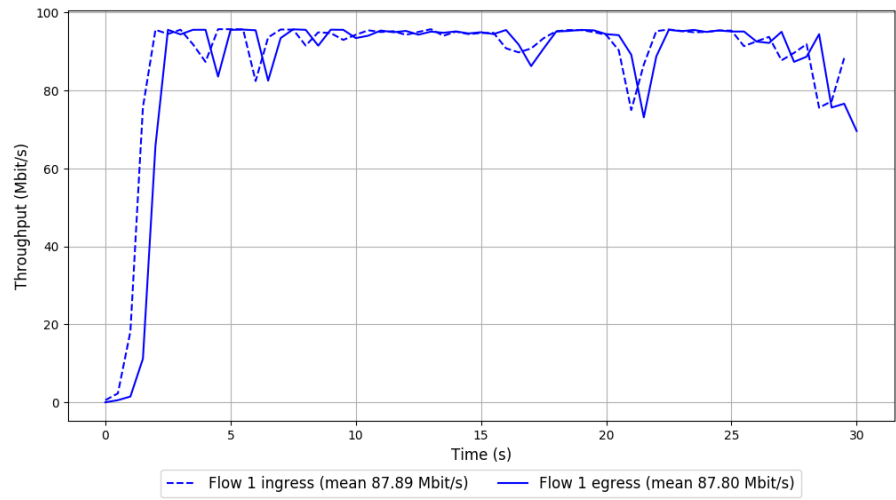Flow 1 (95th percentile 88.48 ms)

```
Run 8: Statistics of Copa

Start at: 2018-07-10 14:37:43
End at: 2018-07-10 14:38:13
Local clock offset: -0.128 ms
Remote clock offset: 3.229 ms


# Below is generated by plot.py at 2018-07-10 15:40:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 92.894 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 92.894 ms
Loss rate: 0.65%
```

Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-07-10 14:57:35
End at: 2018-07-10 14:58:05
Local clock offset: -0.222 ms
Remote clock offset: 3.765 ms


# Below is generated by plot.py at 2018-07-10 15:40:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.09 Mbit/s
95th percentile per-packet one-way delay: 95.333 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 69.09 Mbit/s
95th percentile per-packet one-way delay: 95.333 ms
Loss rate: 0.33%
```
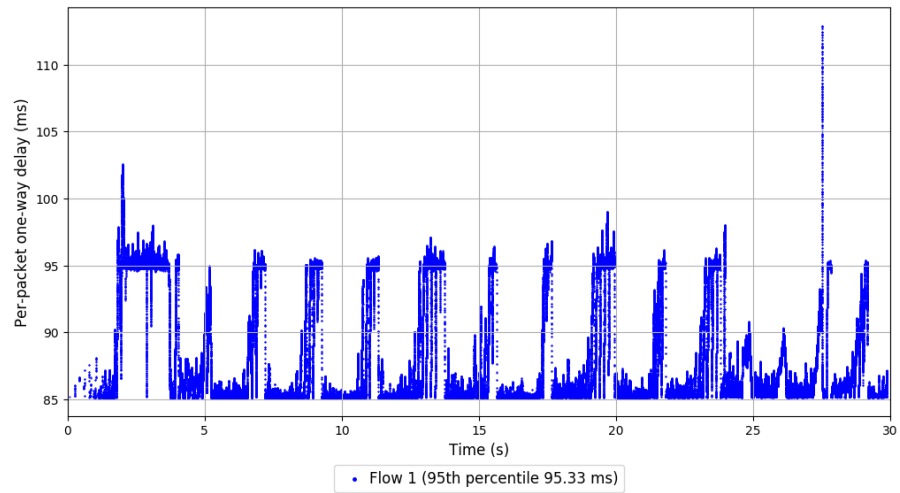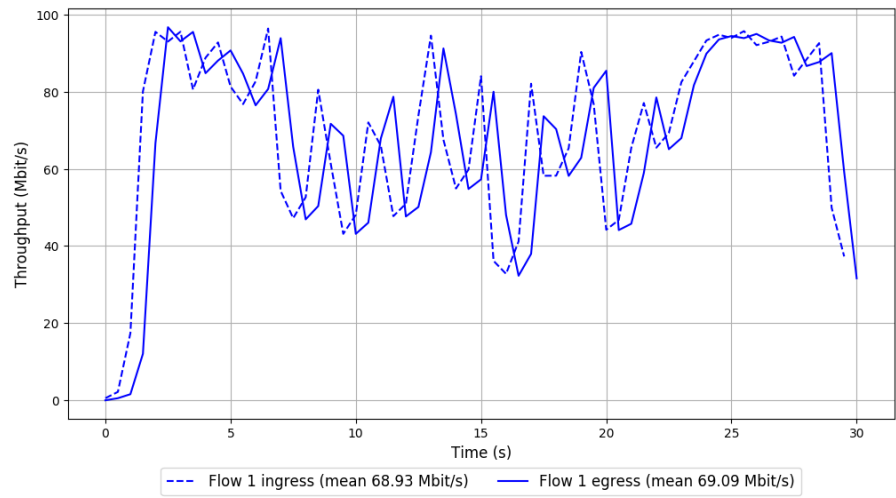
Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2018-07-10 15:17:26
End at: 2018-07-10 15:17:56
Local clock offset: -0.3 ms
Remote clock offset: 8.915 ms


# Below is generated by plot.py at 2018-07-10 15:40:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 87.682 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 87.682 ms
Loss rate: 0.53%
```
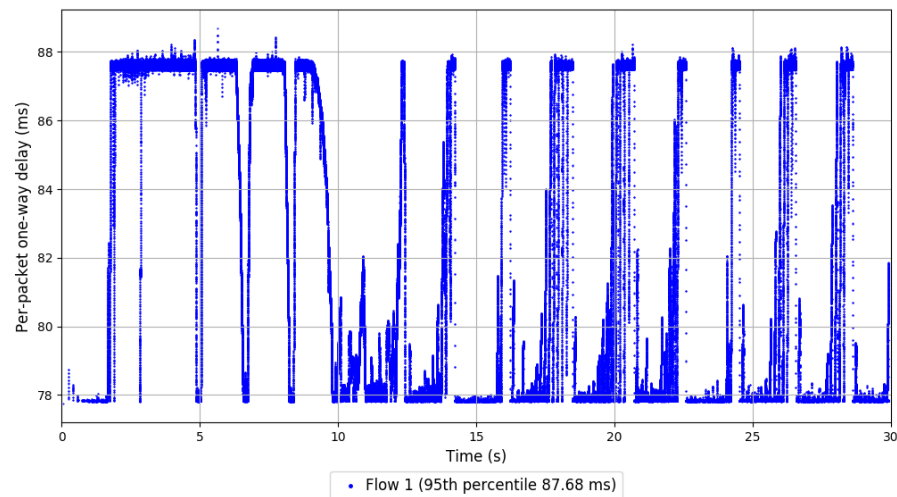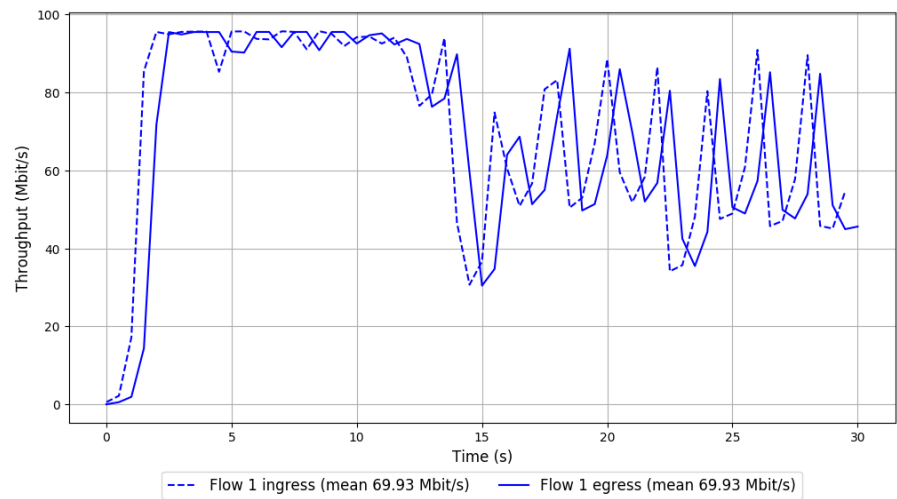
Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 69.93 Mbit/s)   Flow 1 egress (mean 69.93 Mbit/s)
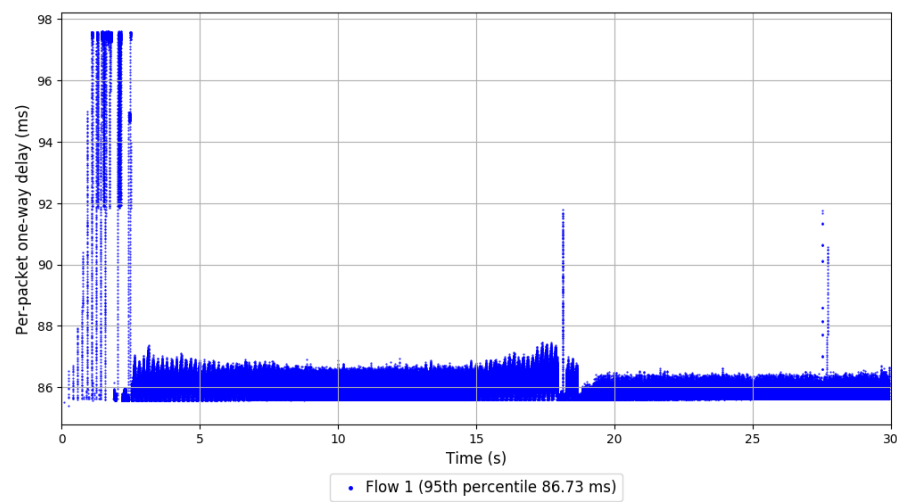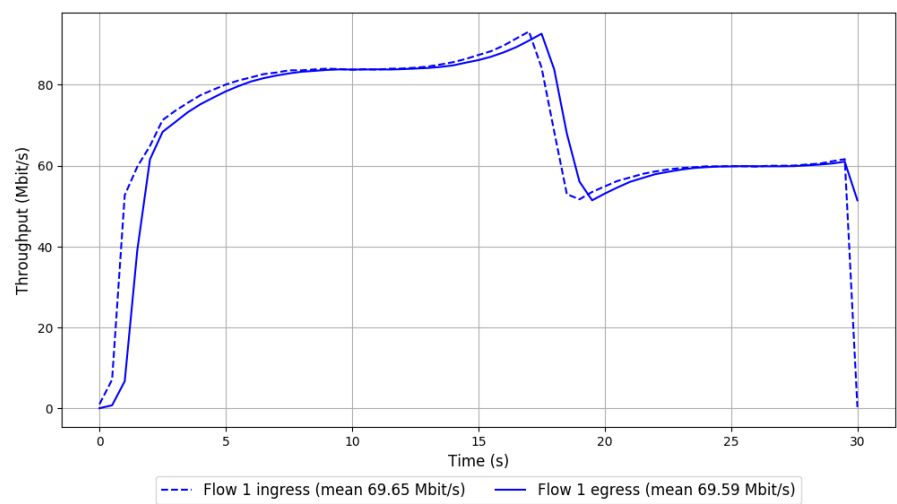

Flow 1 (95th percentile 87.68 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 12:24:36
End at: 2018-07-10 12:25:06
Local clock offset: -0.172 ms
Remote clock offset: 10.319 ms


# Below is generated by plot.py at 2018-07-10 15:40:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 86.731 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 86.731 ms
Loss rate: 0.63%
```

Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 12:44:26
End at: 2018-07-10 12:44:56
Local clock offset: -0.193 ms
Remote clock offset: 2.741 ms


# Below is generated by plot.py at 2018-07-10 15:40:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 91.881 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 91.881 ms
Loss rate: 0.58%
```
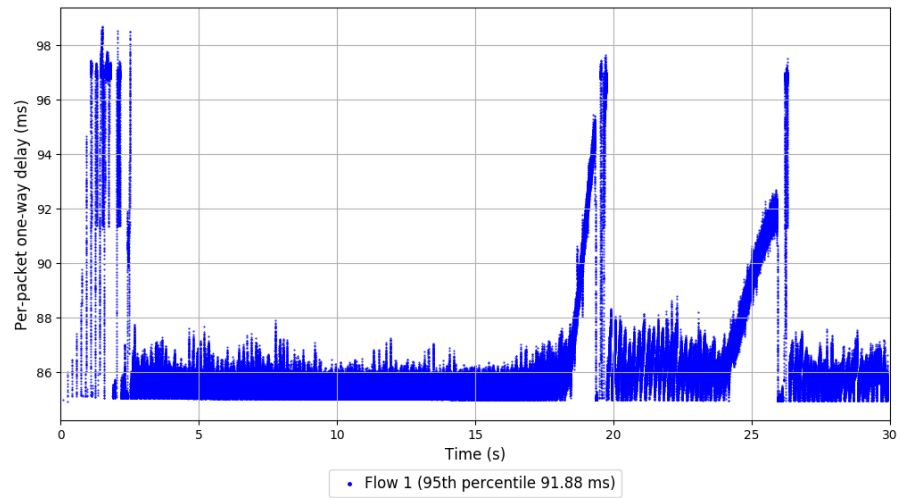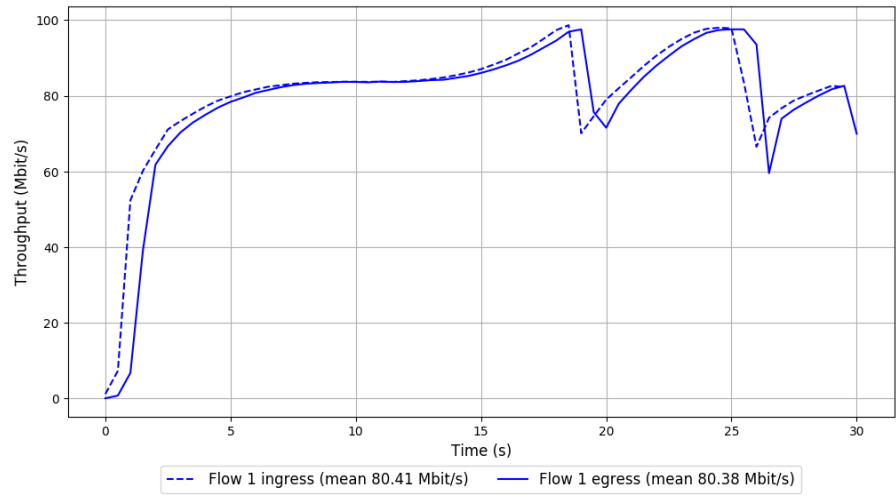
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 13:04:15
End at: 2018-07-10 13:04:45
Local clock offset: -0.198 ms
Remote clock offset: 4.344 ms


# Below is generated by plot.py at 2018-07-10 15:40:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.79 Mbit/s
95th percentile per-packet one-way delay: 84.597 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 72.79 Mbit/s
95th percentile per-packet one-way delay: 84.597 ms
Loss rate: 0.48%
```
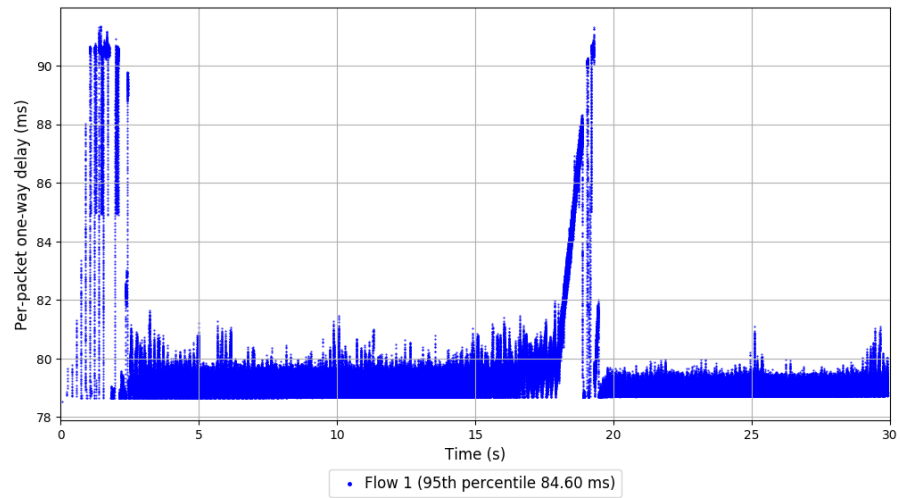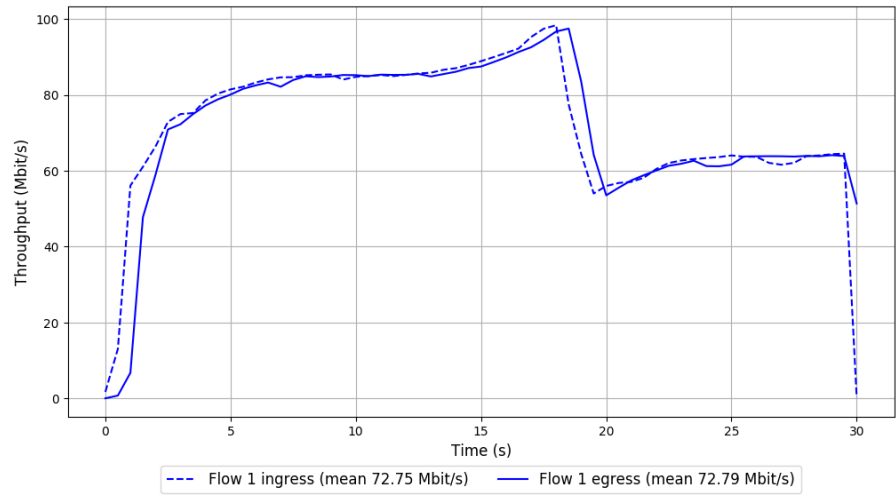
Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 13:24:04
End at: 2018-07-10 13:24:34
Local clock offset: -0.258 ms
Remote clock offset: 1.958 ms


# Below is generated by plot.py at 2018-07-10 15:40:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.69 Mbit/s
95th percentile per-packet one-way delay: 90.420 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 80.69 Mbit/s
95th percentile per-packet one-way delay: 90.420 ms
Loss rate: 0.58%
```
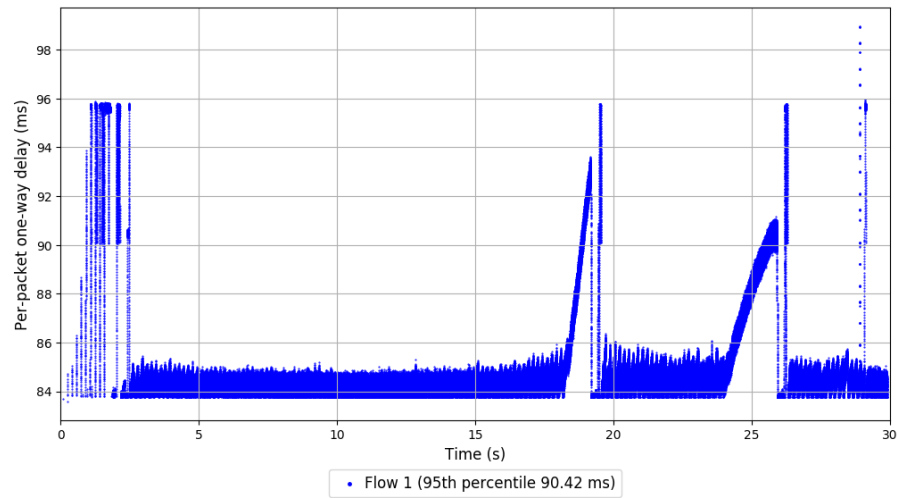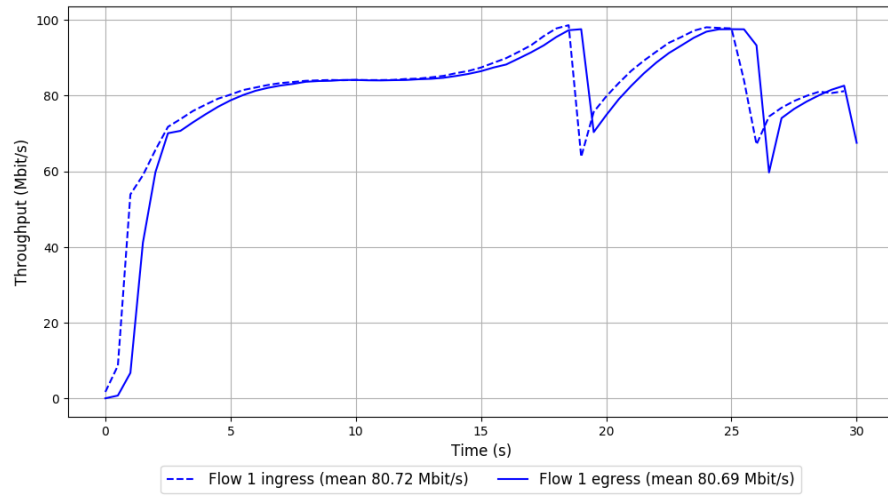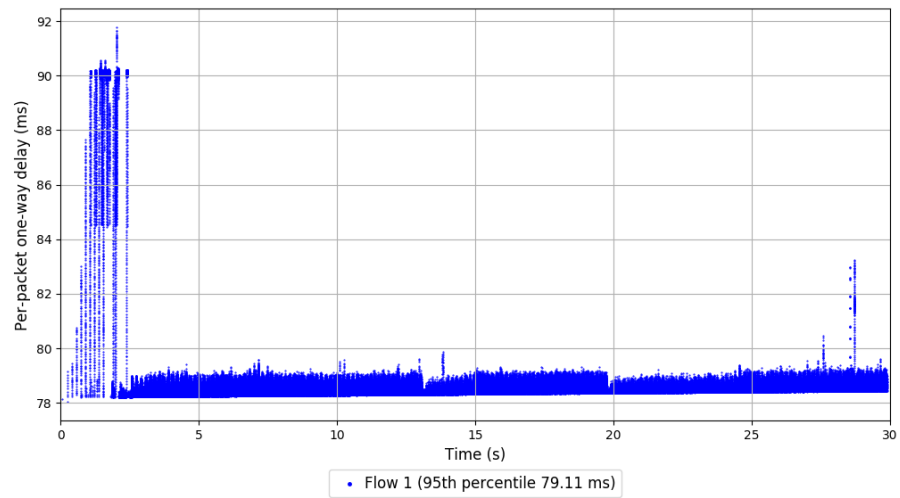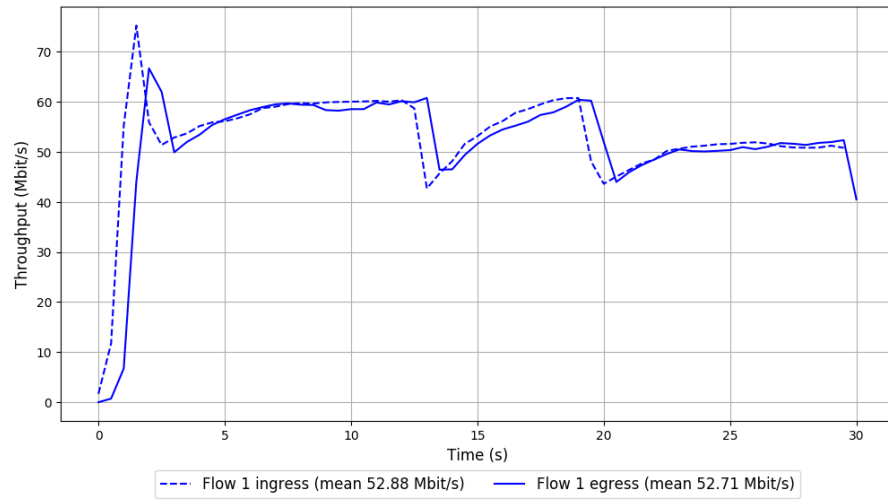
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 13:43:48
End at: 2018-07-10 13:44:18
Local clock offset: -0.123 ms
Remote clock offset: 10.662 ms


# Below is generated by plot.py at 2018-07-10 15:40:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.71 Mbit/s
95th percentile per-packet one-way delay: 79.115 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 52.71 Mbit/s
95th percentile per-packet one-way delay: 79.115 ms
Loss rate: 0.87%
```
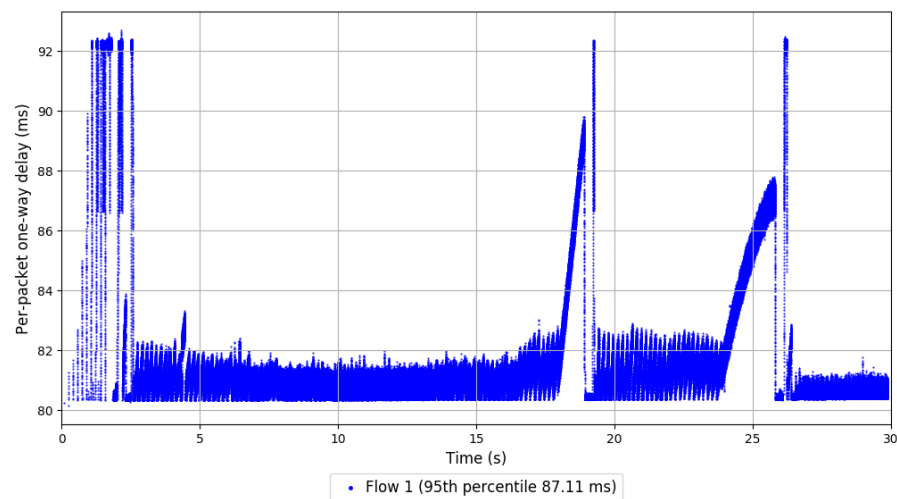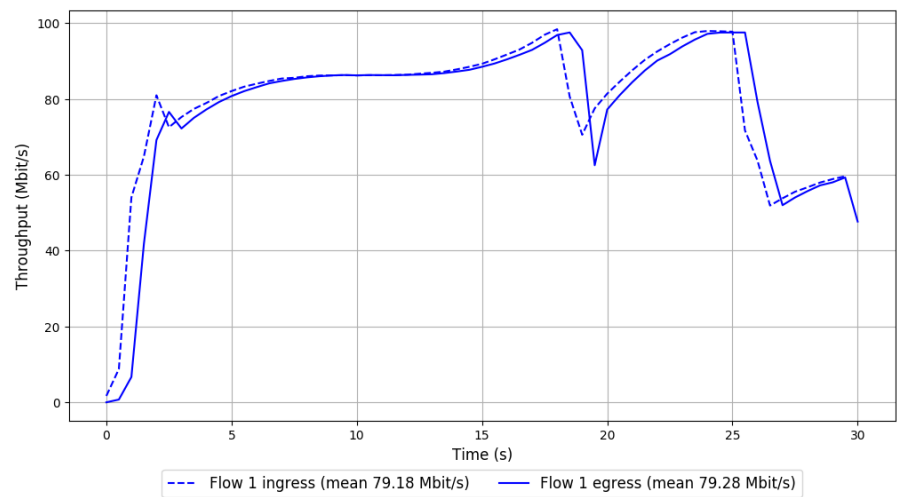
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 14:03:38
End at: 2018-07-10 14:04:08
Local clock offset: -0.131 ms
Remote clock offset: 15.446 ms


# Below is generated by plot.py at 2018-07-10 15:41:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 87.112 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 87.112 ms
Loss rate: 0.43%
```

Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 79.18 Mbit/s)   Flow 1 egress (mean 79.28 Mbit/s)

Flow 1 (95th percentile 87.11 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 14:23:33
End at: 2018-07-10 14:24:03
Local clock offset: -0.14 ms
Remote clock offset: 5.972 ms


# Below is generated by plot.py at 2018-07-10 15:41:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 90.678 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 90.678 ms
Loss rate: 0.57%
```
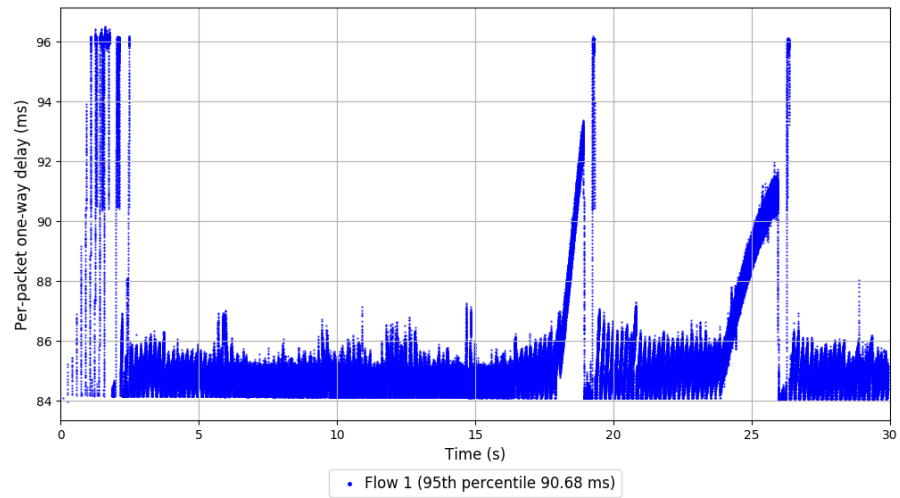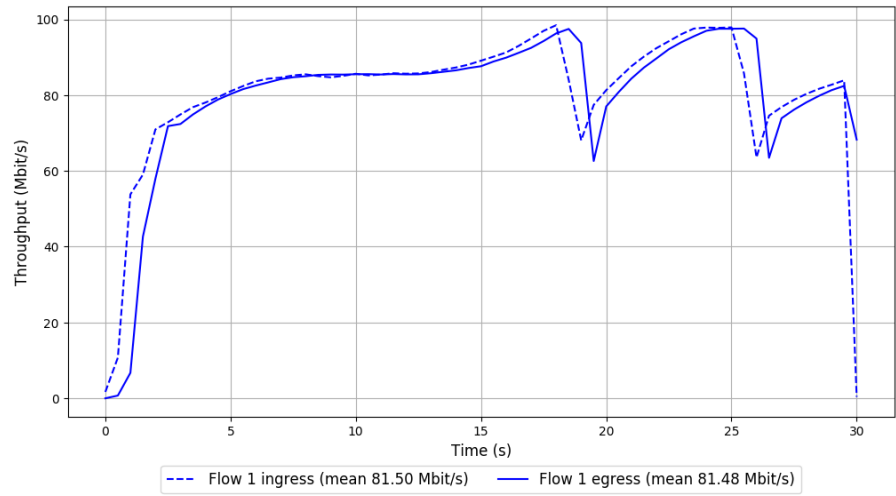
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 81.50 Mbit/s) — — — Flow 1 egress (mean 81.48 Mbit/s)

Flow 1 (95th percentile 90.68 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 14:43:35
End at: 2018-07-10 14:44:05
Local clock offset: -0.172 ms
Remote clock offset: 3.861 ms


# Below is generated by plot.py at 2018-07-10 15:41:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 90.987 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 90.987 ms
Loss rate: 0.58%
```
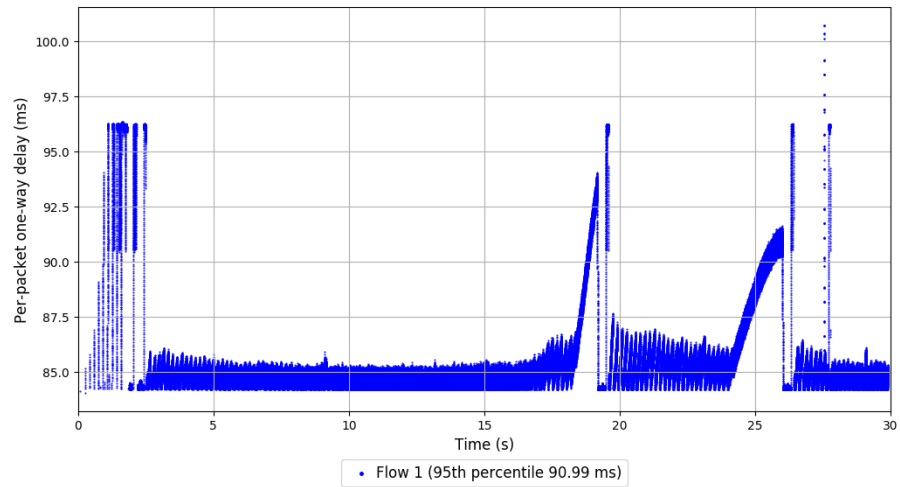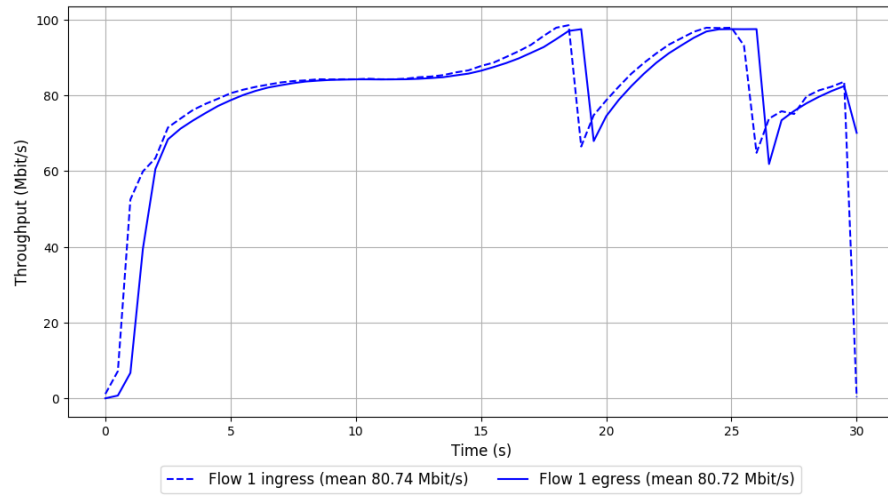
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 15:03:26
End at: 2018-07-10 15:03:56
Local clock offset: -0.247 ms
Remote clock offset: 3.913 ms


# Below is generated by plot.py at 2018-07-10 15:41:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.29 Mbit/s
95th percentile per-packet one-way delay: 83.935 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 54.29 Mbit/s
95th percentile per-packet one-way delay: 83.935 ms
Loss rate: 0.98%
```
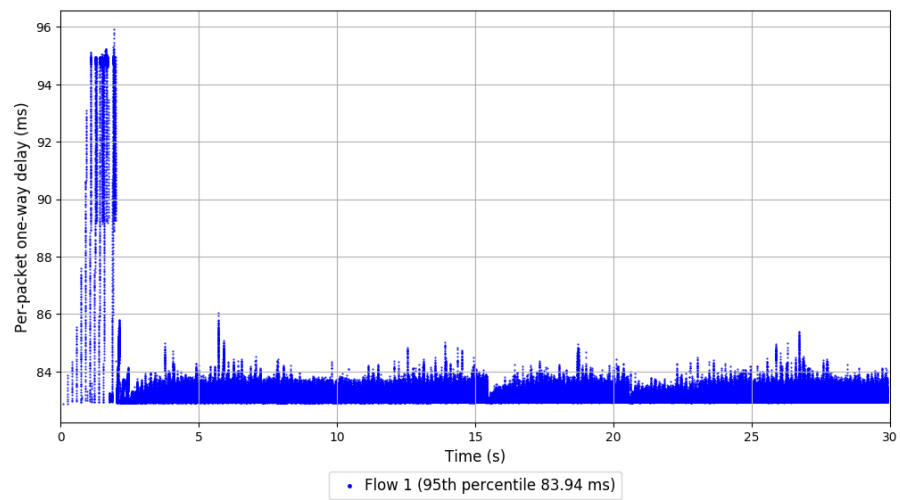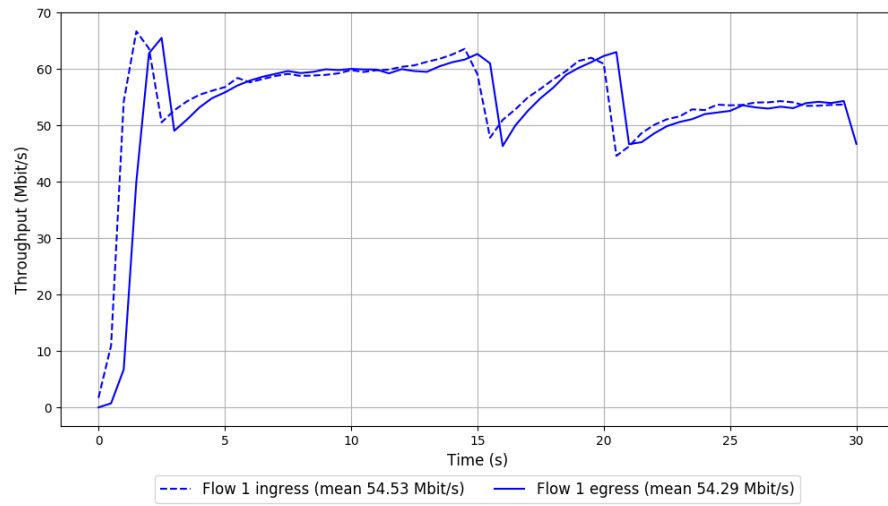
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 54.53 Mbit/s)   Flow 1 egress (mean 54.29 Mbit/s)

Flow 1 (95th percentile 83.94 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 15:23:17
End at: 2018-07-10 15:23:47
Local clock offset: -0.228 ms
Remote clock offset: 9.761 ms


# Below is generated by plot.py at 2018-07-10 15:41:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 84.787 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 84.787 ms
Loss rate: 0.43%
```
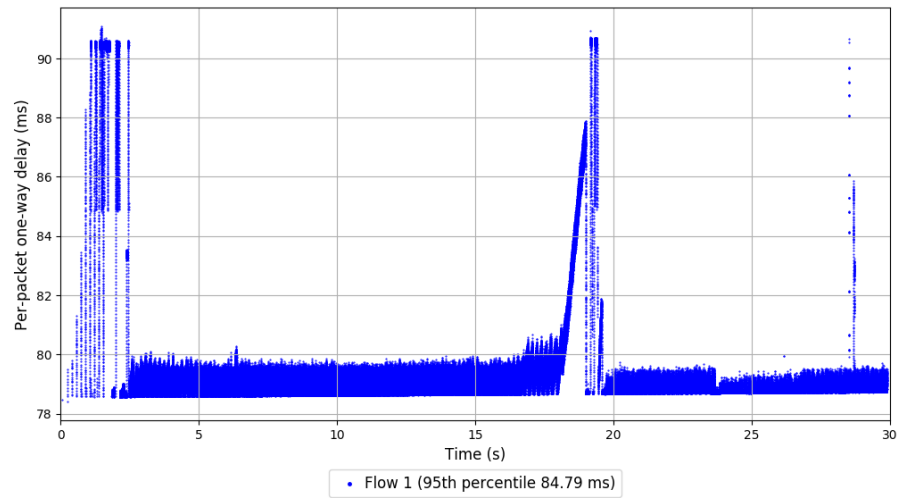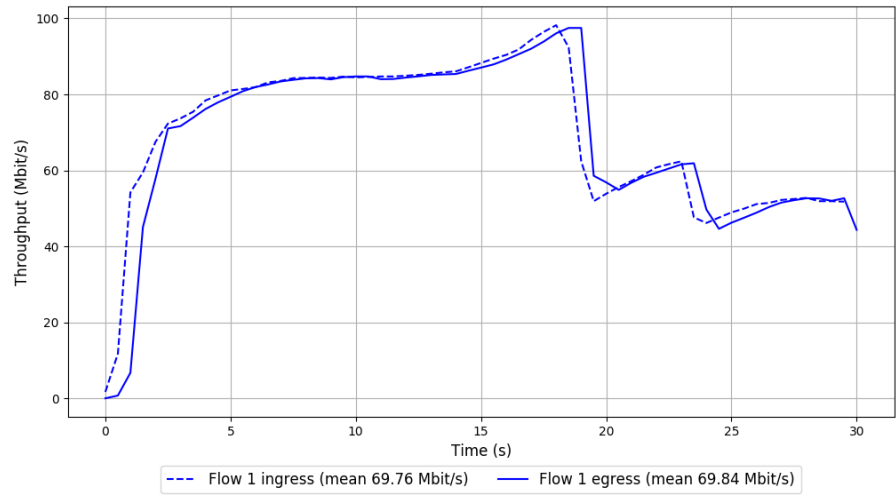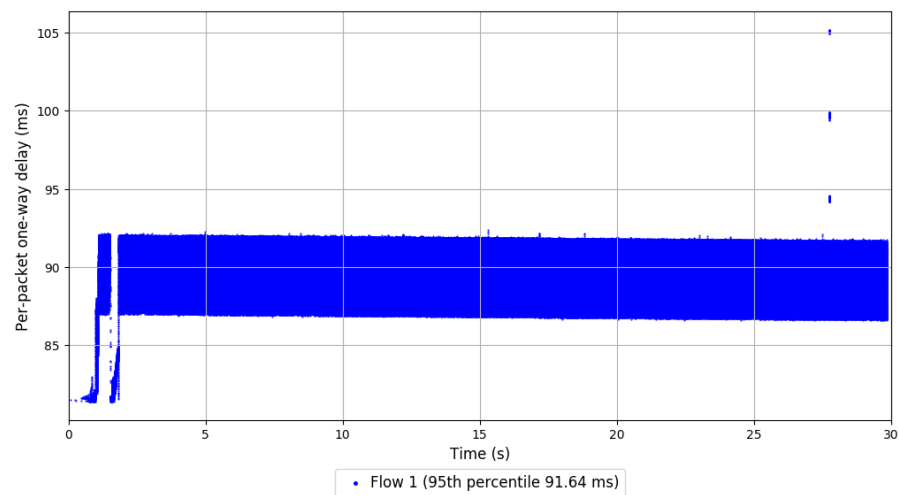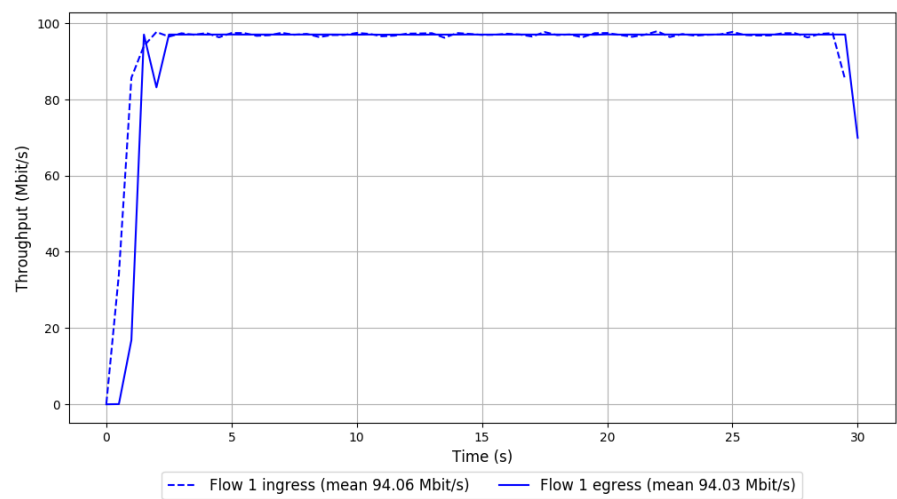
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of FillP

Start at: 2018-07-10 12:29:17
End at: 2018-07-10 12:29:47
Local clock offset: -0.19 ms
Remote clock offset: 10.885 ms

# Below is generated by plot.py at 2018-07-10 15:42:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 91.641 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 91.641 ms
Loss rate: 0.58%
```

Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 94.06 Mbit/s)   Flow 1 egress (mean 94.03 Mbit/s)

Flow 1 (95th percentile 91.64 ms)

```
Run 2: Statistics of FillP

Start at: 2018-07-10 12:49:08
End at: 2018-07-10 12:49:38
Local clock offset: -0.203 ms
Remote clock offset: 6.773 ms


# Below is generated by plot.py at 2018-07-10 15:42:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 89.986 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 89.986 ms
Loss rate: 0.59%
```
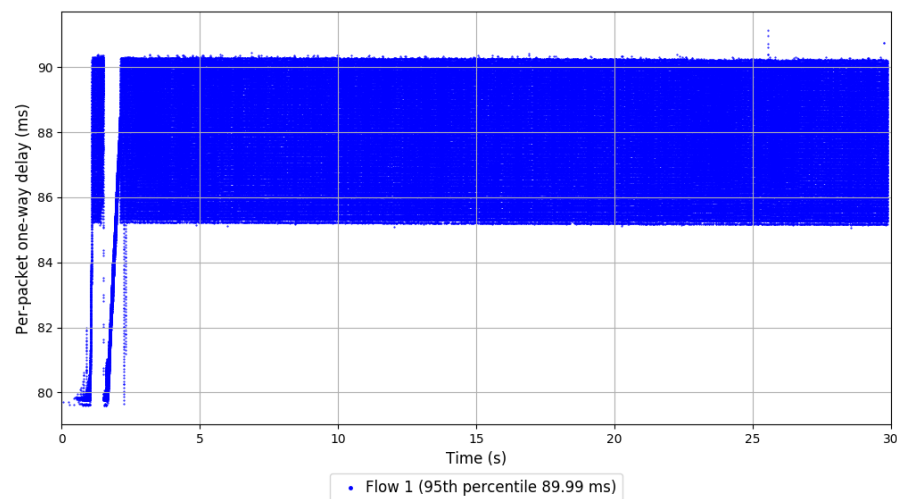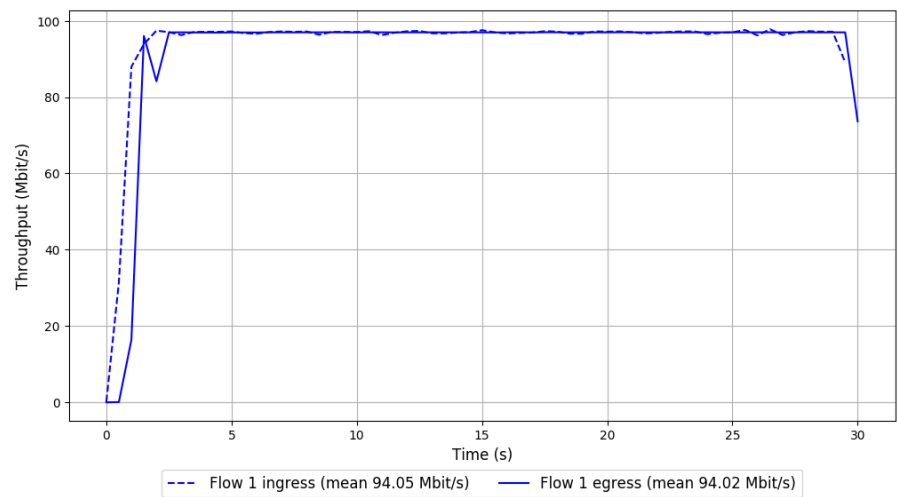
Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-07-10 13:08:57
End at: 2018-07-10 13:09:27
Local clock offset: -0.217 ms
Remote clock offset: 0.925 ms


# Below is generated by plot.py at 2018-07-10 15:42:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 95.068 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 95.068 ms
Loss rate: 0.61%
```
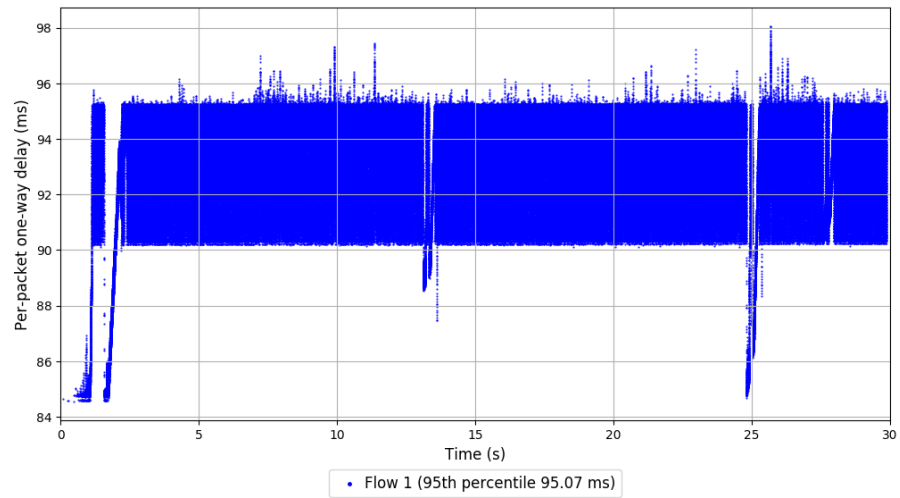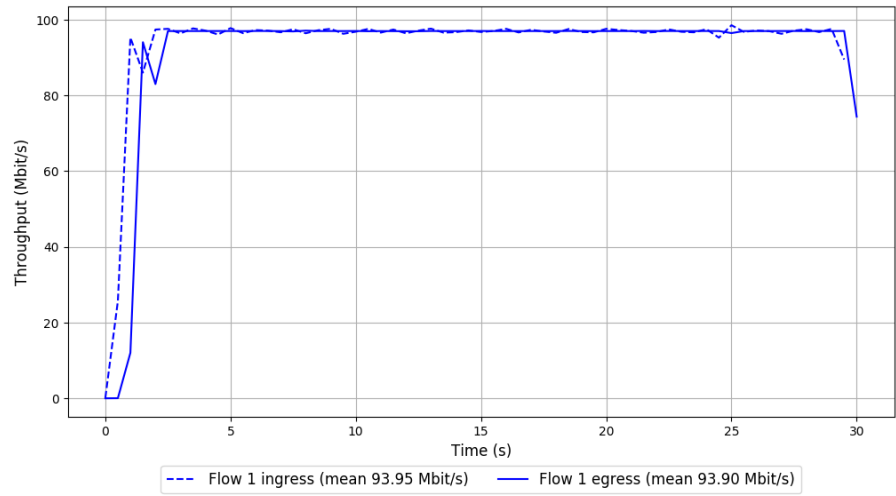
Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 93.95 Mbit/s) ---- Flow 1 egress (mean 93.90 Mbit/s)

• Flow 1 (95th percentile 95.07 ms)

69

```
Run 4: Statistics of FillP

Start at: 2018-07-10 13:28:46
End at: 2018-07-10 13:29:16
Local clock offset: -0.185 ms
Remote clock offset: 5.869 ms


# Below is generated by plot.py at 2018-07-10 15:42:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 88.112 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 88.112 ms
Loss rate: 0.59%
```
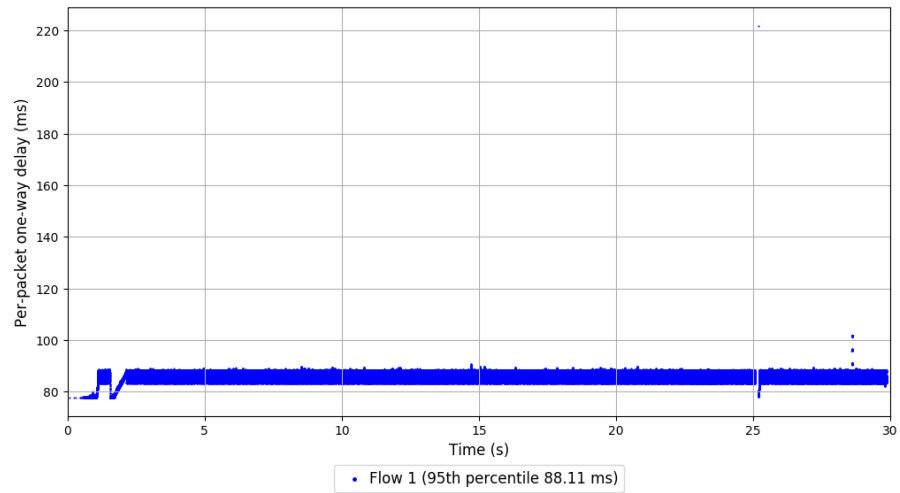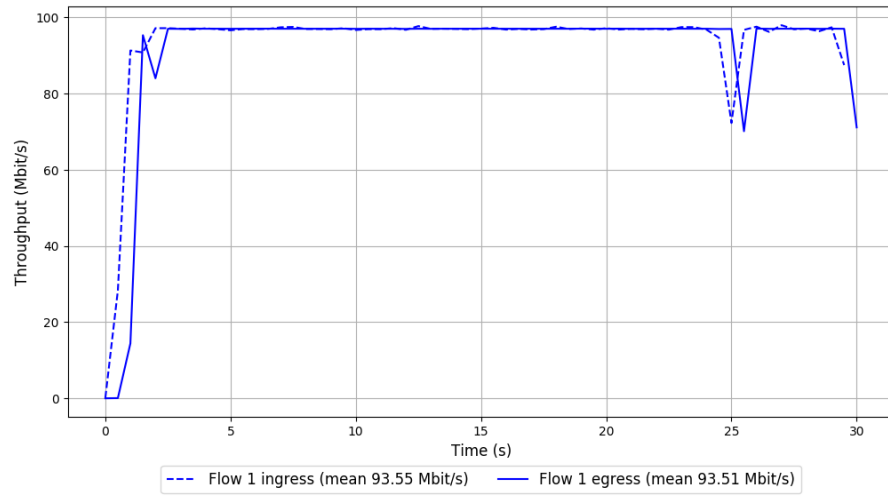
Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 93.55 Mbit/s)   Flow 1 egress (mean 93.51 Mbit/s)

Flow 1 (95th percentile 88.11 ms)

```
Run 5: Statistics of FillP

Start at: 2018-07-10 13:48:30
End at: 2018-07-10 13:49:00
Local clock offset: -0.152 ms
Remote clock offset: 7.638 ms


# Below is generated by plot.py at 2018-07-10 15:42:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 93.152 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 93.152 ms
Loss rate: 0.59%
```
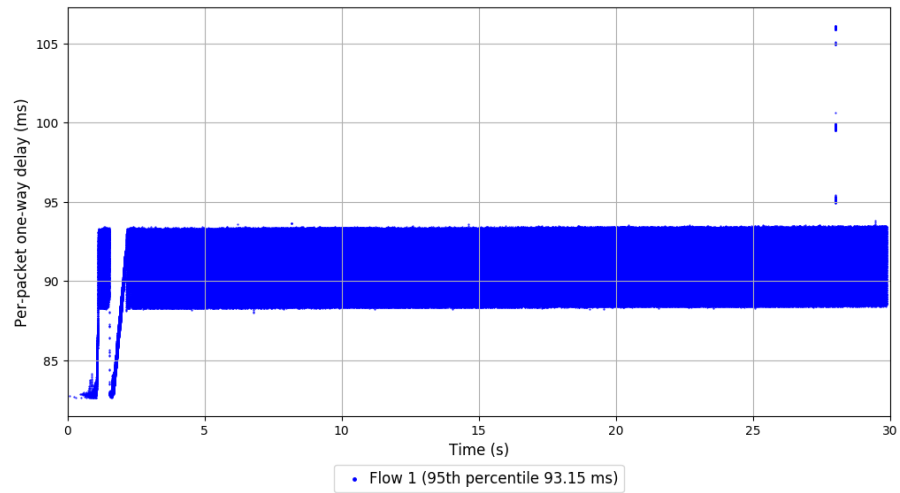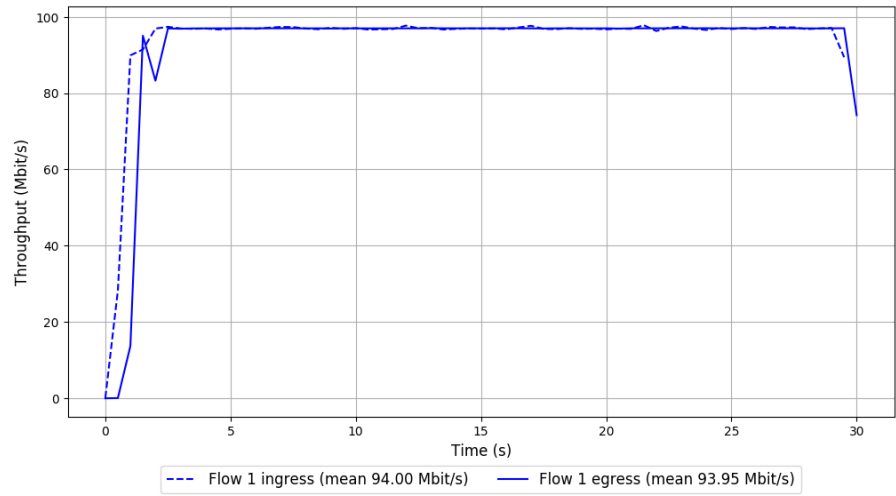
Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 94.00 Mbit/s) --- Flow 1 egress (mean 93.95 Mbit/s)

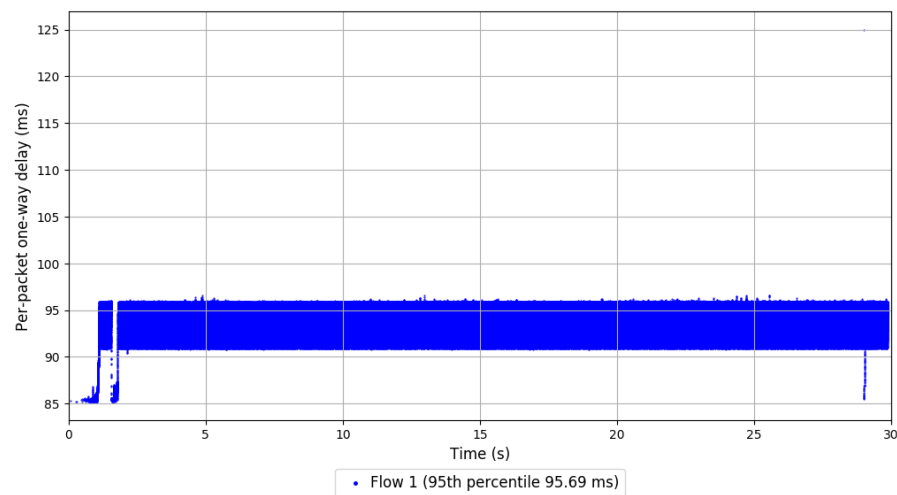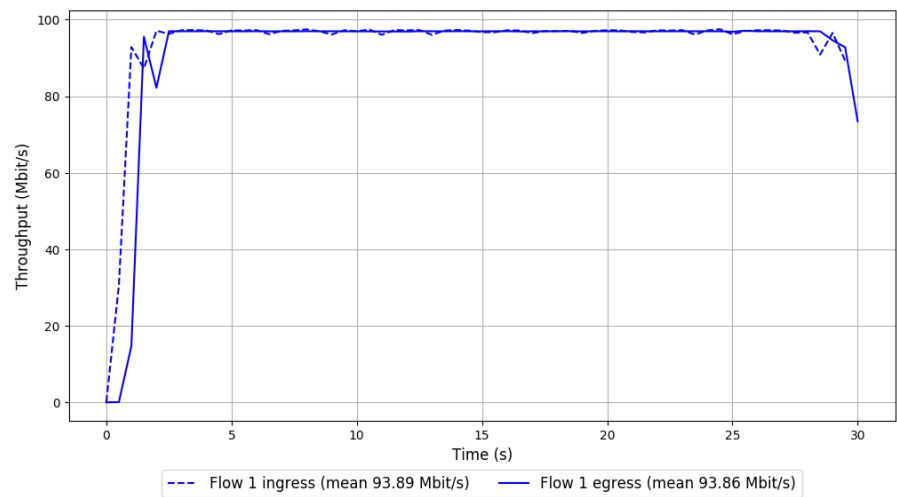Flow 1 (95th percentile 93.15 ms)

```
Run 6: Statistics of FillP

Start at: 2018-07-10 14:08:21
End at: 2018-07-10 14:08:51
Local clock offset: -0.21 ms
Remote clock offset: 10.766 ms


# Below is generated by plot.py at 2018-07-10 15:42:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 95.693 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 95.693 ms
Loss rate: 0.60%
```

Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 93.89 Mbit/s) Flow 1 egress (mean 93.86 Mbit/s)

Flow 1 (95th percentile 95.69 ms)

```
Run 7: Statistics of FillP

Start at: 2018-07-10 14:28:16
End at: 2018-07-10 14:28:46
Local clock offset: -0.201 ms
Remote clock offset: 5.231 ms


# Below is generated by plot.py at 2018-07-10 15:42:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 91.931 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 91.931 ms
Loss rate: 0.58%
```
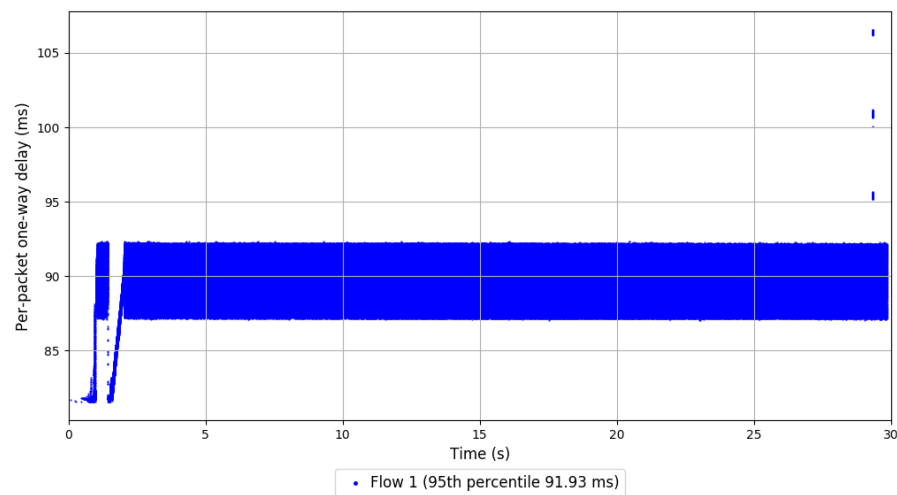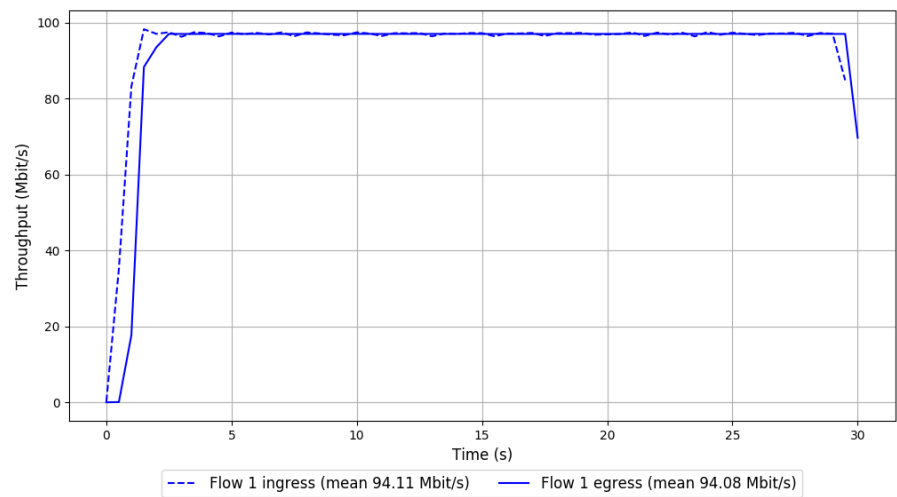
Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 94.11 Mbit/s) ----- Flow 1 egress (mean 94.08 Mbit/s) ———

• Flow 1 (95th percentile 91.93 ms)

```
Run 8: Statistics of FillP

Start at: 2018-07-10 14:48:16
End at: 2018-07-10 14:48:46
Local clock offset: -0.266 ms
Remote clock offset: 3.278 ms


# Below is generated by plot.py at 2018-07-10 15:42:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.07 Mbit/s
95th percentile per-packet one-way delay: 92.477 ms
Loss rate: 13.41%
-- Flow 1:
Average throughput: 73.07 Mbit/s
95th percentile per-packet one-way delay: 92.477 ms
Loss rate: 13.41%
```
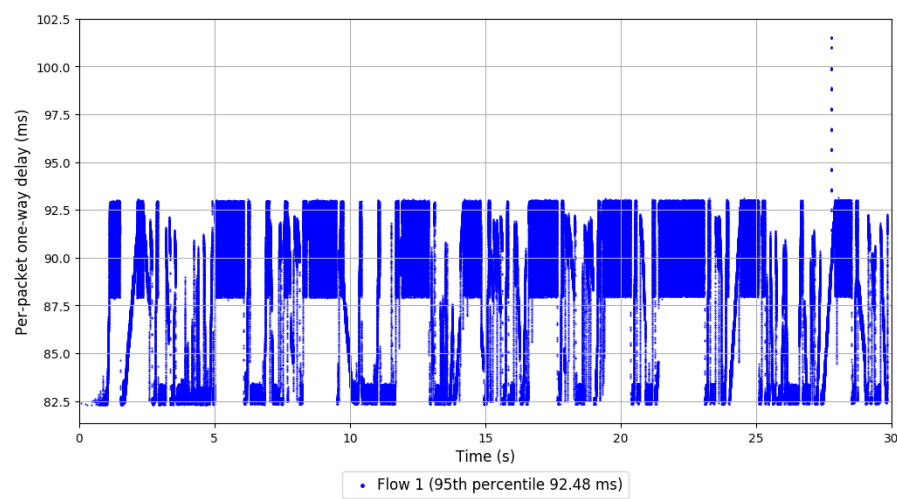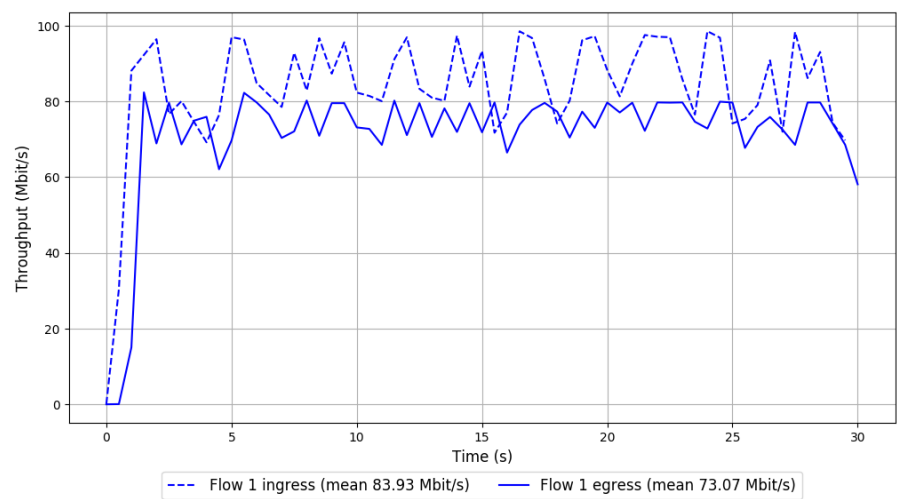
Run 8: Report of FillP — Data Link

Flow 1 ingress (mean 83.93 Mbit/s)   Flow 1 egress (mean 73.07 Mbit/s)

Flow 1 (95th percentile 92.48 ms)

```
Run 9: Statistics of FillP

Start at: 2018-07-10 15:08:07
End at: 2018-07-10 15:08:37
Local clock offset: -0.241 ms
Remote clock offset: 9.97 ms


# Below is generated by plot.py at 2018-07-10 15:43:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 88.973 ms
Loss rate: 13.93%
-- Flow 1:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 88.973 ms
Loss rate: 13.93%
```
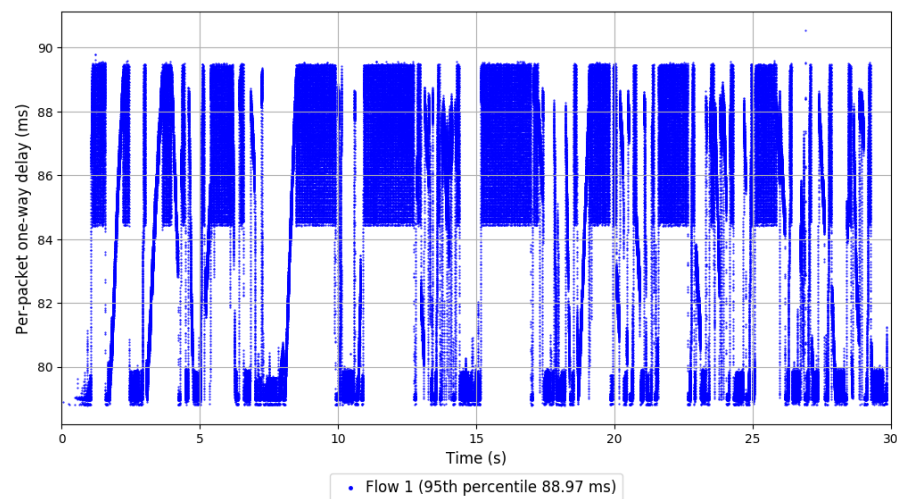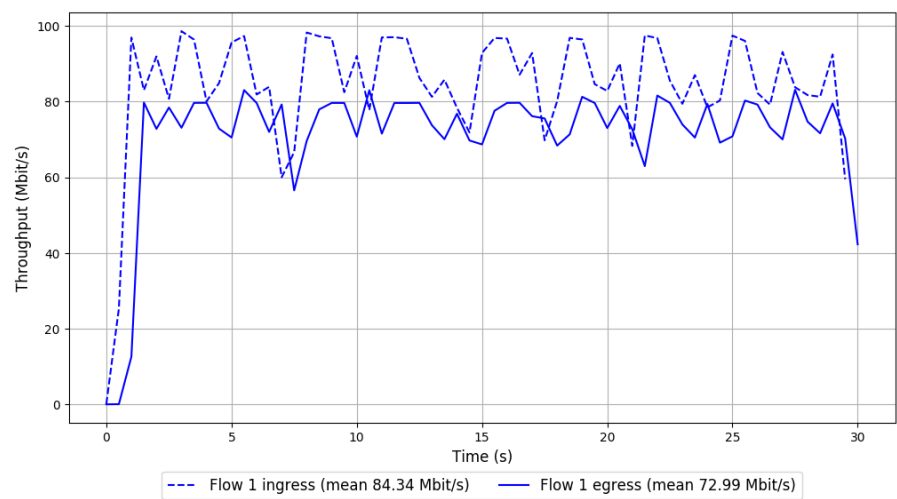
Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 84.34 Mbit/s) --- Flow 1 egress (mean 72.99 Mbit/s)

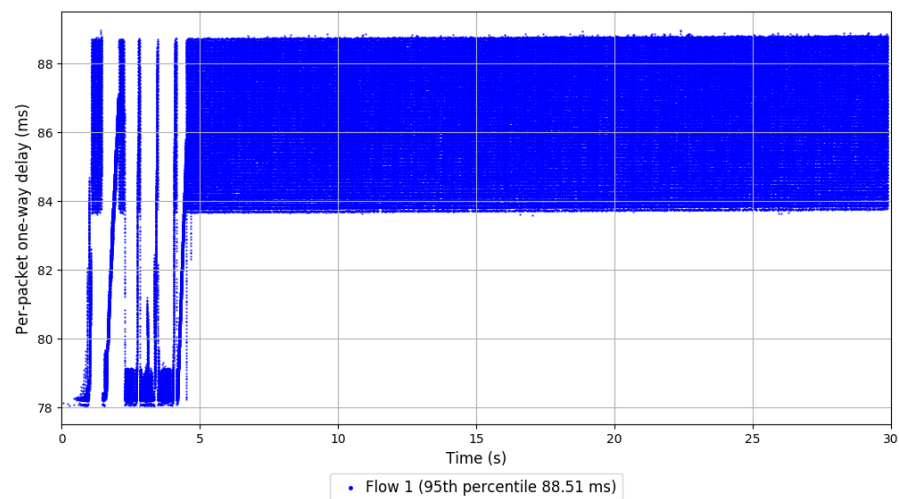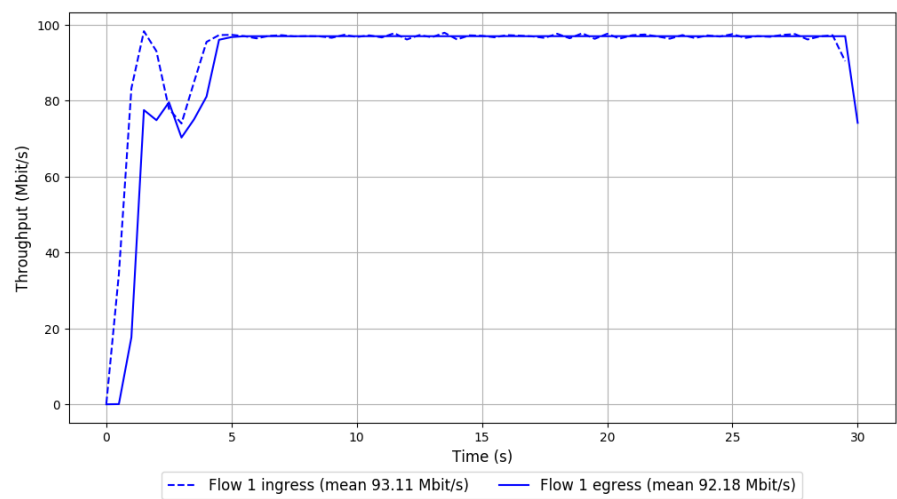• Flow 1 (95th percentile 88.97 ms)

```
Run 10: Statistics of FillP

Start at: 2018-07-10 15:28:18
End at: 2018-07-10 15:28:48
Local clock offset: -0.208 ms
Remote clock offset: 12.247 ms


# Below is generated by plot.py at 2018-07-10 15:43:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 88.506 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 88.506 ms
Loss rate: 1.54%
```

Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 93.11 Mbit/s)   Flow 1 egress (mean 92.18 Mbit/s)

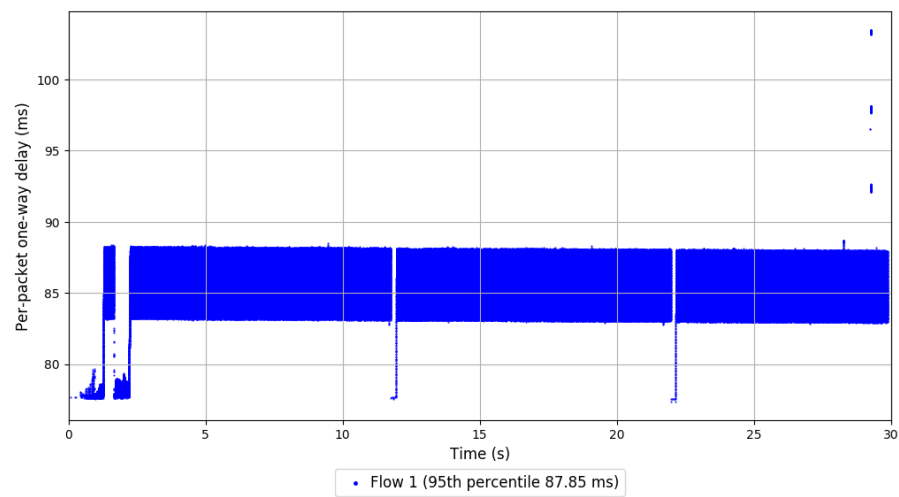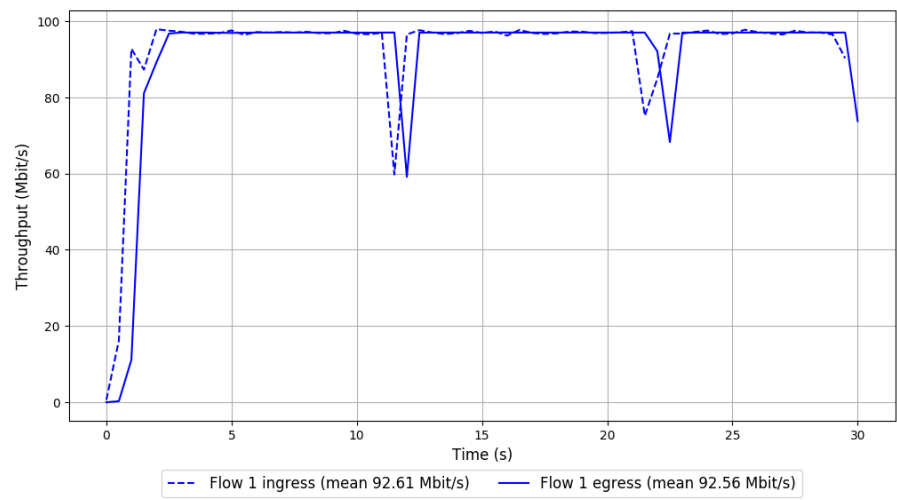• Flow 1 (95th percentile 88.51 ms)

```
Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 12:32:41
End at: 2018-07-10 12:33:11
Local clock offset: -0.197 ms
Remote clock offset: 12.128 ms


# Below is generated by plot.py at 2018-07-10 15:43:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 87.850 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 87.850 ms
Loss rate: 0.59%
```

Run 1: Report of FillP-Sheep — Data Link

```
Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 12:52:31
End at: 2018-07-10 12:53:01
Local clock offset: -0.215 ms
Remote clock offset: 2.398 ms


# Below is generated by plot.py at 2018-07-10 15:43:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 91.837 ms
Loss rate: 10.82%
-- Flow 1:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 91.837 ms
Loss rate: 10.82%
```
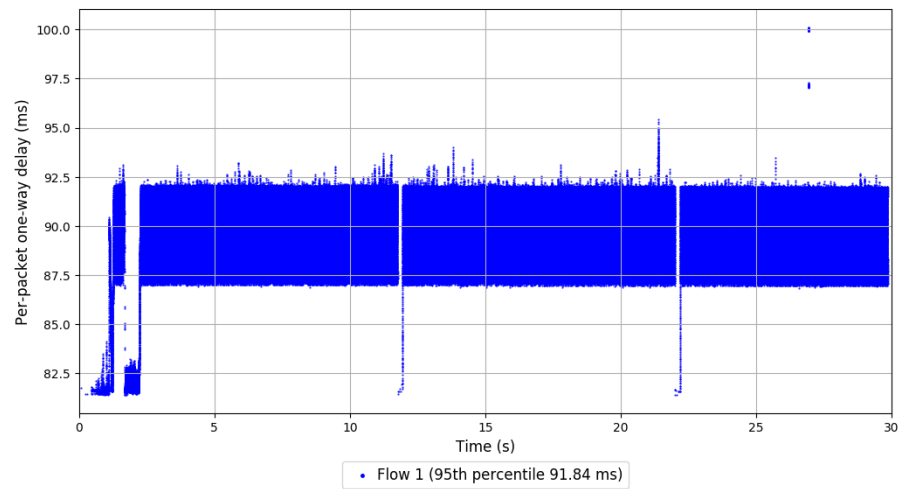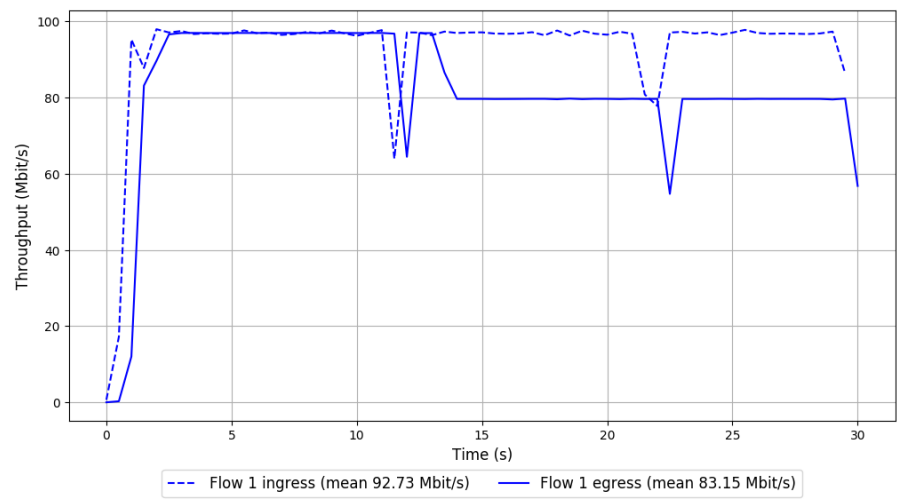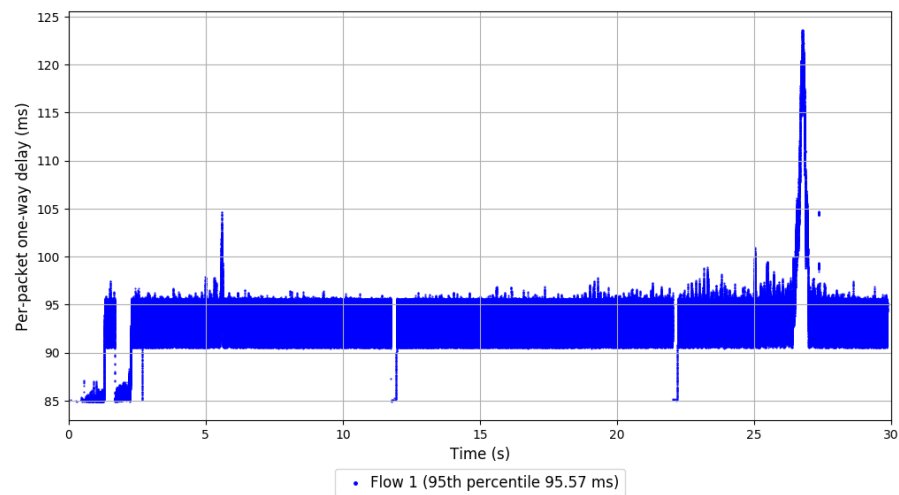
Run 2: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 92.73 Mbit/s) --- Flow 1 egress (mean 83.15 Mbit/s)

Flow 1 (95th percentile 91.84 ms)

```
Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 13:12:20
End at: 2018-07-10 13:12:50
Local clock offset: -0.277 ms
Remote clock offset: 1.097 ms


# Below is generated by plot.py at 2018-07-10 15:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 95.566 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 95.566 ms
Loss rate: 0.61%
```
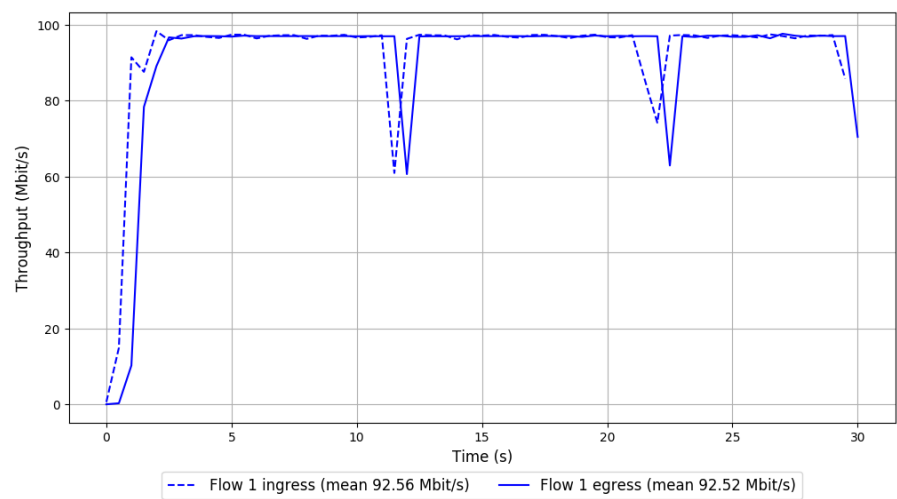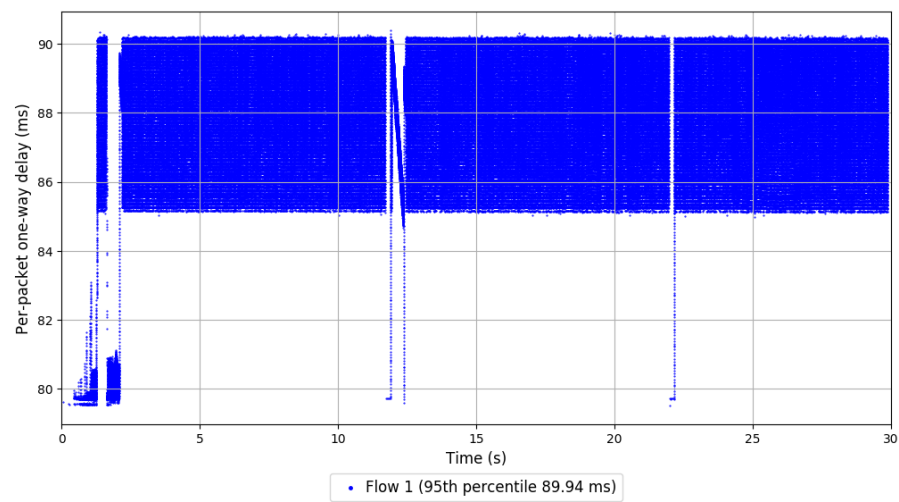
Run 3: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 92.56 Mbit/s) ----   Flow 1 egress (mean 92.52 Mbit/s) ——

• Flow 1 (95th percentile 95.57 ms)

```
Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 13:32:09
End at: 2018-07-10 13:32:39
Local clock offset: -0.167 ms
Remote clock offset: 5.58 ms


# Below is generated by plot.py at 2018-07-10 15:43:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 89.940 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 89.940 ms
Loss rate: 0.61%
```
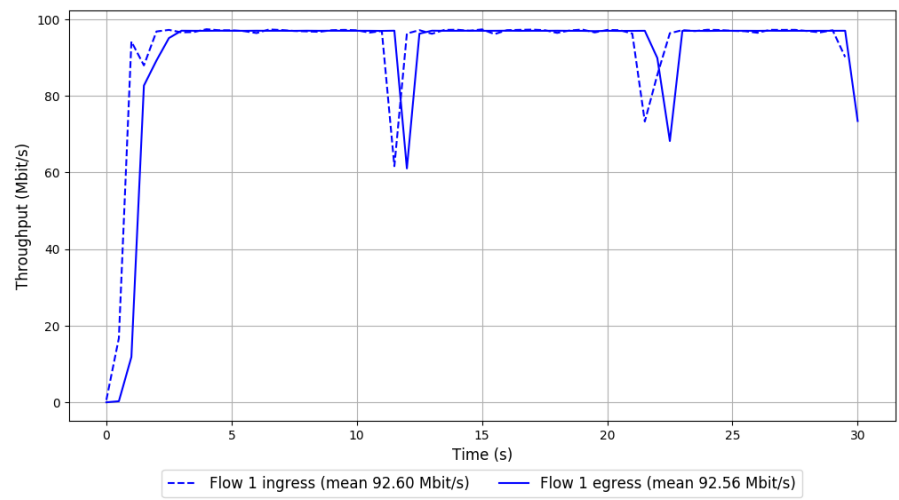
Run 4: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 92.60 Mbit/s) --- Flow 1 egress (mean 92.56 Mbit/s)
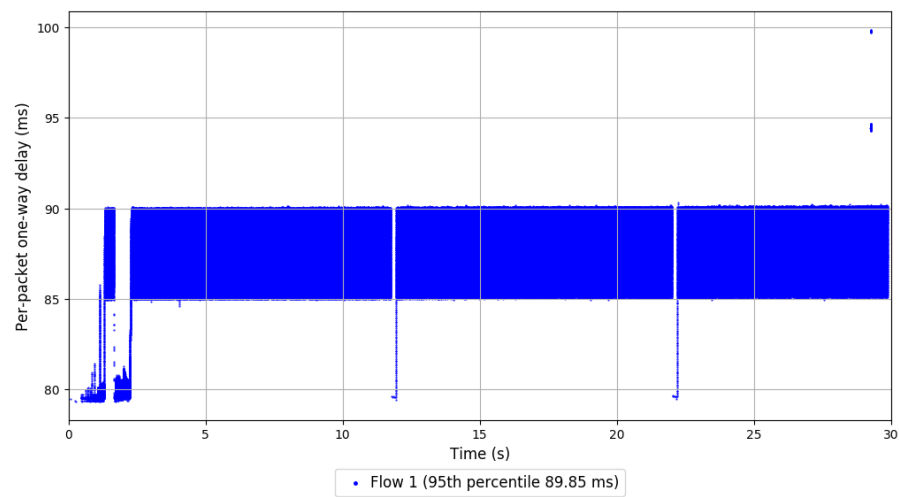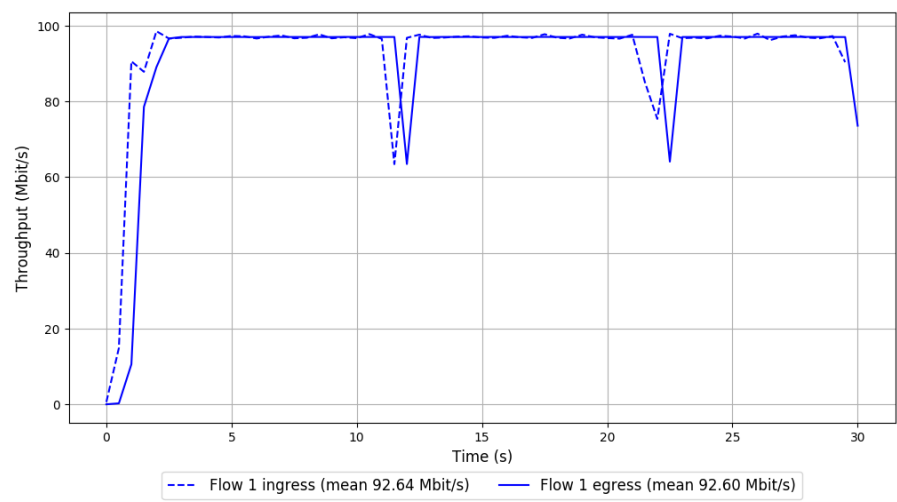

Flow 1 (95th percentile 89.94 ms)

```
Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 13:51:53
End at: 2018-07-10 13:52:23
Local clock offset: -0.152 ms
Remote clock offset: 13.561 ms


# Below is generated by plot.py at 2018-07-10 15:43:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 89.849 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 89.849 ms
Loss rate: 0.61%
```
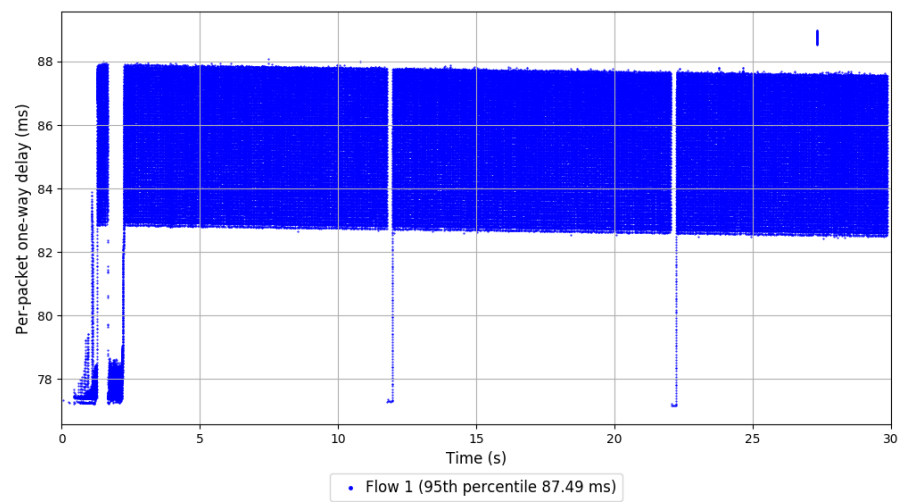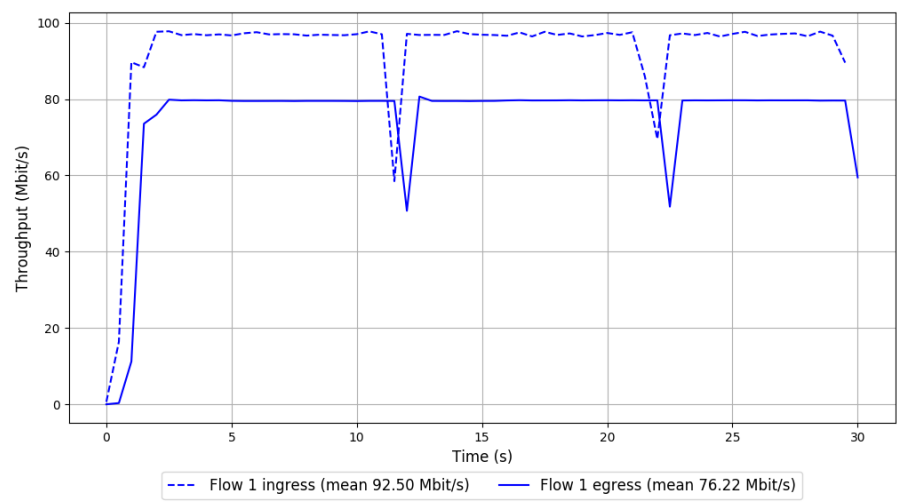
Run 5: Report of FillP-Sheep — Data Link

```
Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 14:11:44
End at: 2018-07-10 14:12:14
Local clock offset: -0.143 ms
Remote clock offset: 15.055 ms


# Below is generated by plot.py at 2018-07-10 15:43:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.22 Mbit/s
95th percentile per-packet one-way delay: 87.487 ms
Loss rate: 18.04%
-- Flow 1:
Average throughput: 76.22 Mbit/s
95th percentile per-packet one-way delay: 87.487 ms
Loss rate: 18.04%
```
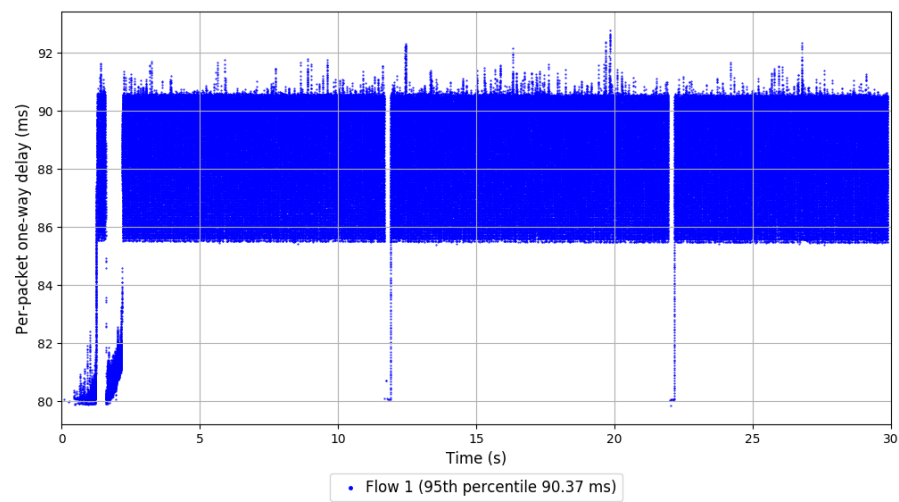
Run 6: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 92.50 Mbit/s)   Flow 1 egress (mean 76.22 Mbit/s)

Flow 1 (95th percentile 87.49 ms)

```
Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 14:31:40
End at: 2018-07-10 14:32:10
Local clock offset: -0.204 ms
Remote clock offset: 8.76 ms


# Below is generated by plot.py at 2018-07-10 15:44:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.11 Mbit/s
95th percentile per-packet one-way delay: 90.373 ms
Loss rate: 18.15%
-- Flow 1:
Average throughput: 76.11 Mbit/s
95th percentile per-packet one-way delay: 90.373 ms
Loss rate: 18.15%
```
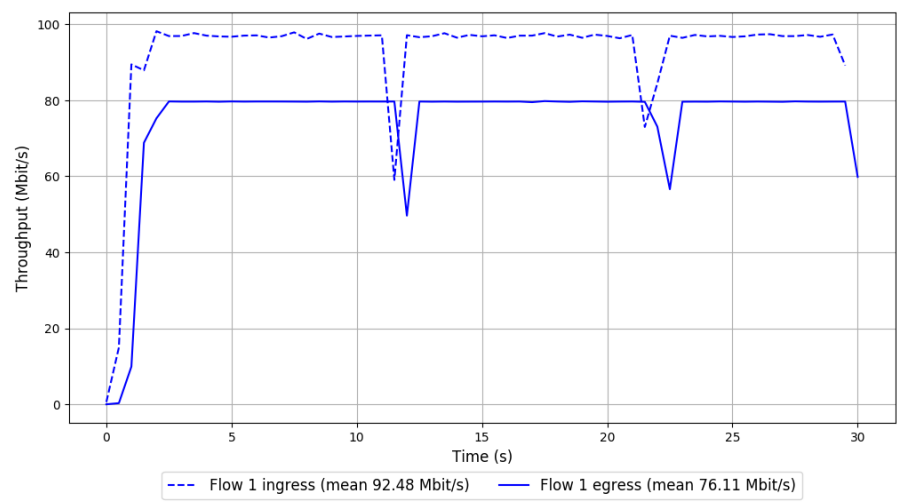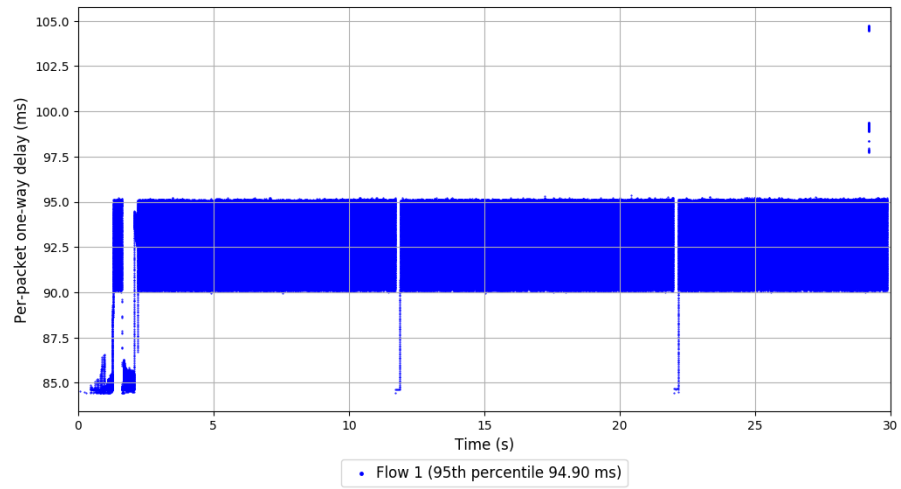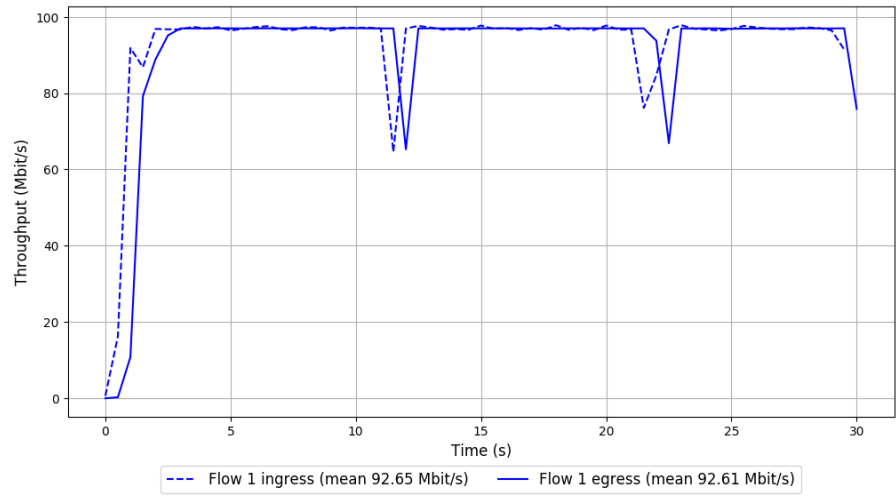
Run 7: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 92.48 Mbit/s)   Flow 1 egress (mean 76.11 Mbit/s)

Flow 1 (95th percentile 90.37 ms)

```
Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 14:51:40
End at: 2018-07-10 14:52:10
Local clock offset: -0.266 ms
Remote clock offset: 3.446 ms


# Below is generated by plot.py at 2018-07-10 15:44:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 94.899 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 94.899 ms
Loss rate: 0.60%
```
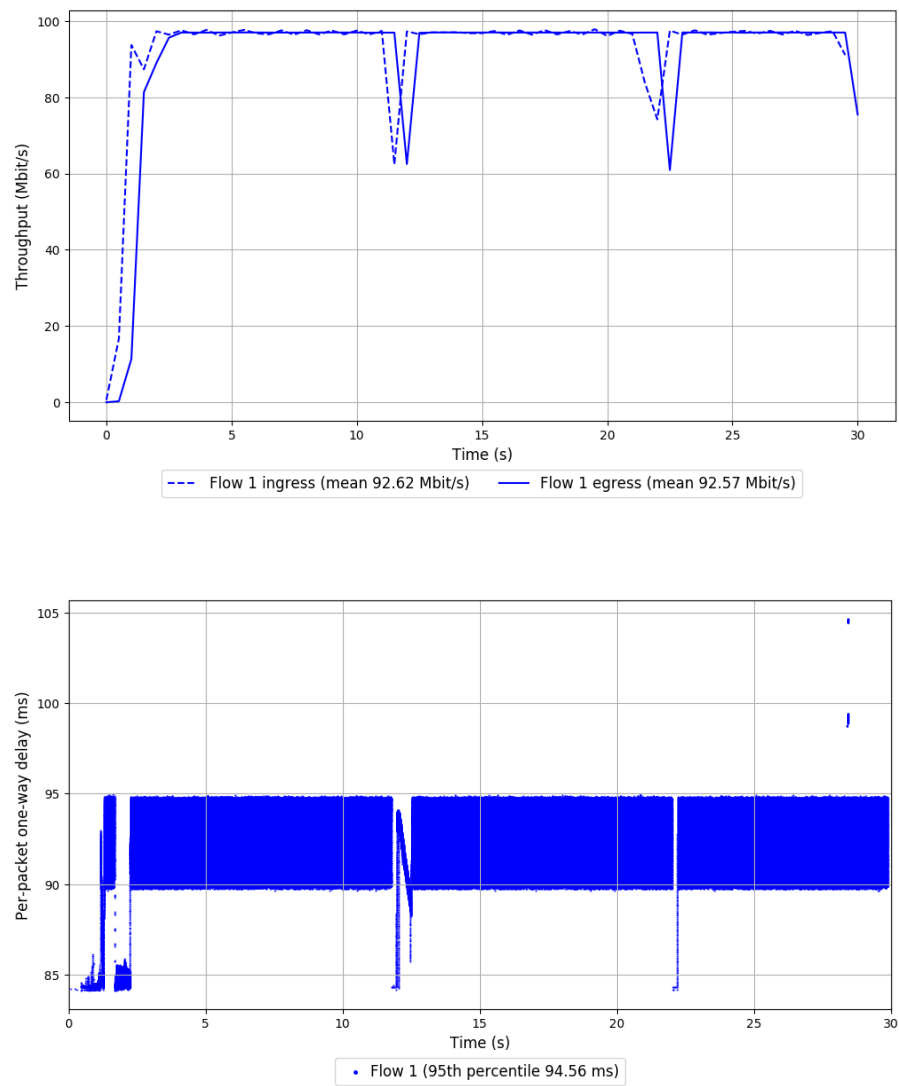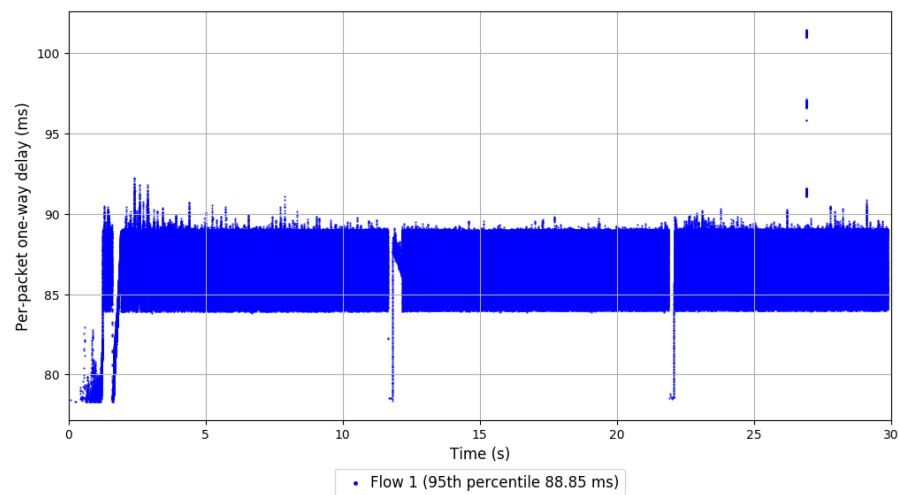
Run 8: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 92.65 Mbit/s)   Flow 1 egress (mean 92.61 Mbit/s)

Flow 1 (95th percentile 94.90 ms)

```
Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 15:11:30
End at: 2018-07-10 15:12:00
Local clock offset: -0.229 ms
Remote clock offset: 5.097 ms


# Below is generated by plot.py at 2018-07-10 15:44:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 94.559 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 94.559 ms
Loss rate: 0.60%
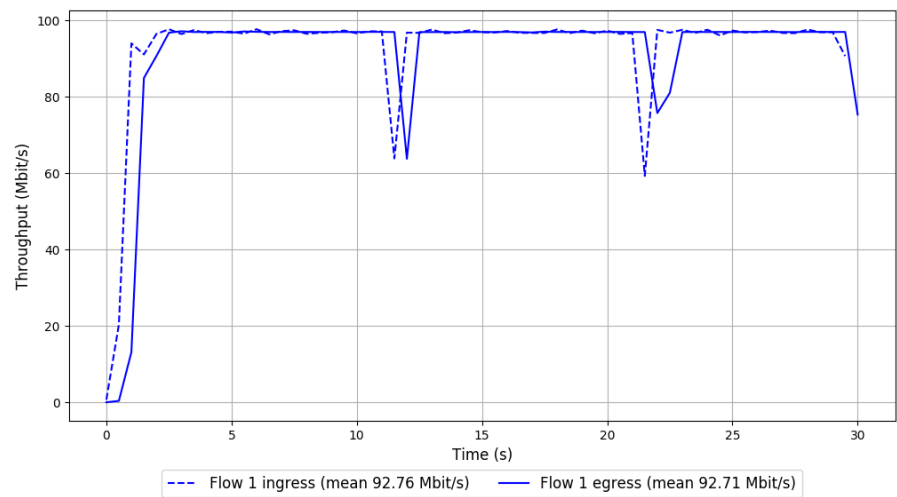```
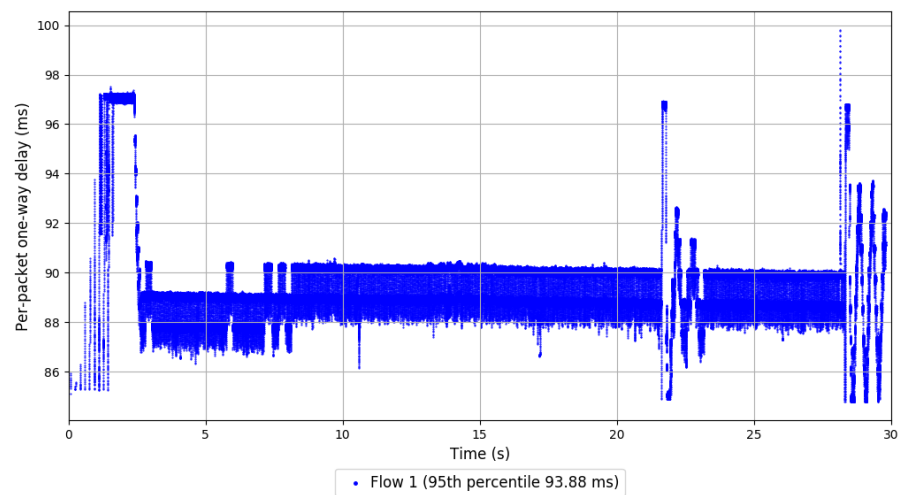
Run 9: Report of FillP-Sheep — Data Link

```
Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 15:31:42
End at: 2018-07-10 15:32:12
Local clock offset: -0.228 ms
Remote clock offset: 14.167 ms


# Below is generated by plot.py at 2018-07-10 15:44:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 88.849 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 88.849 ms
Loss rate: 0.58%
```

Run 10: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 92.76 Mbit/s)   Flow 1 egress (mean 92.71 Mbit/s)
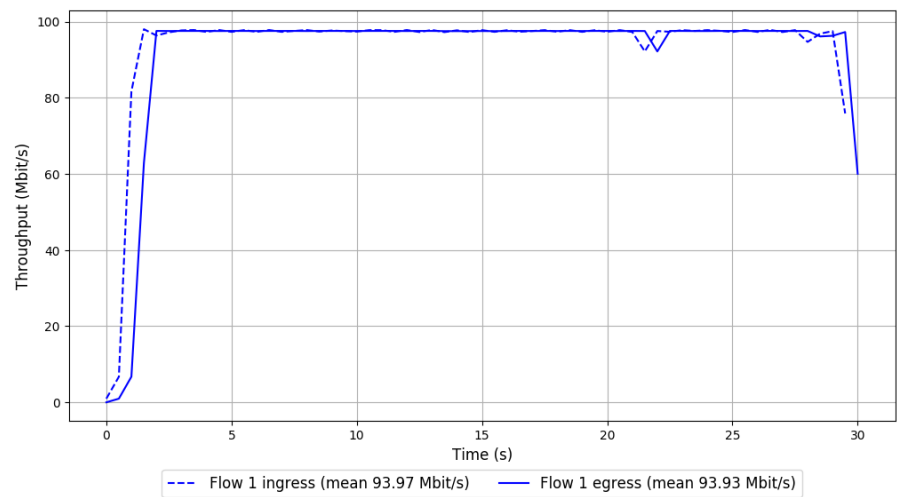

Flow 1 (95th percentile 88.85 ms)

```
Run 1: Statistics of Indigo

Start at: 2018-07-10 12:28:05
End at: 2018-07-10 12:28:35
Local clock offset: -0.19 ms
Remote clock offset: 10.852 ms


# Below is generated by plot.py at 2018-07-10 15:44:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 93.881 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 93.881 ms
Loss rate: 0.60%
```

Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2018-07-10 12:47:56
End at: 2018-07-10 12:48:26
Local clock offset: -0.204 ms
Remote clock offset: 2.121 ms


# Below is generated by plot.py at 2018-07-10 15:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 96.606 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 96.606 ms
Loss rate: 3.29%
```
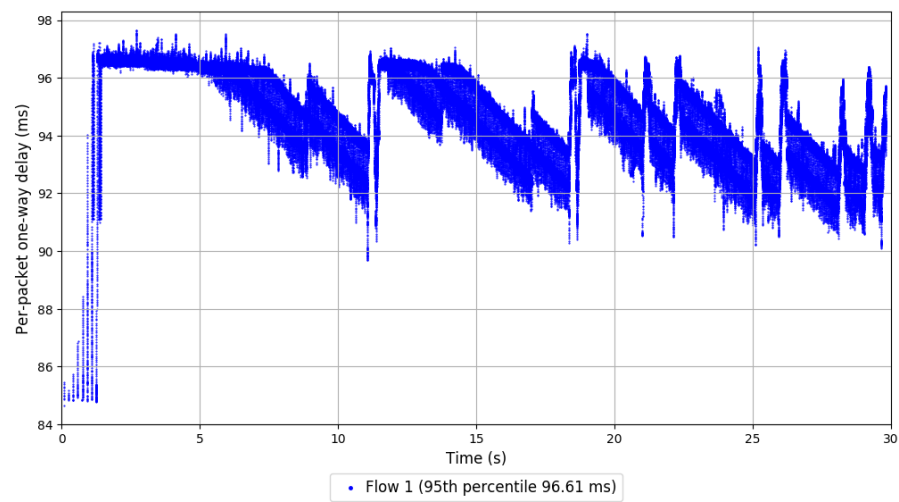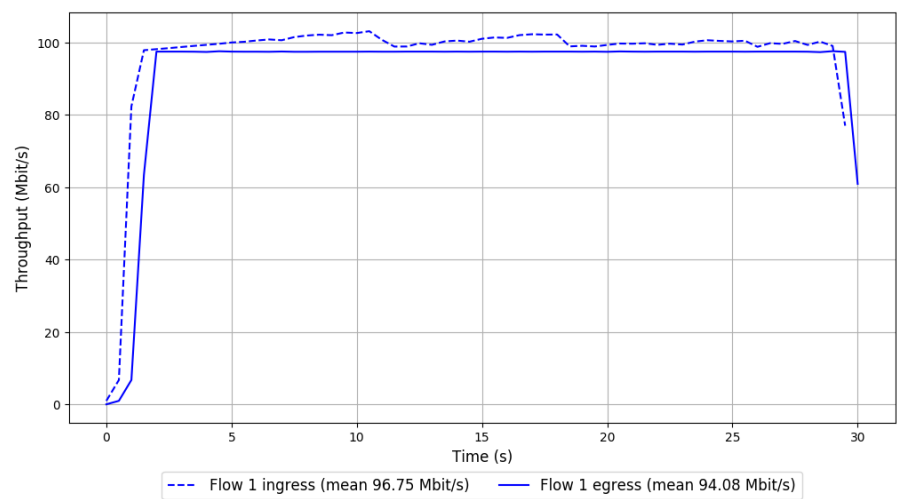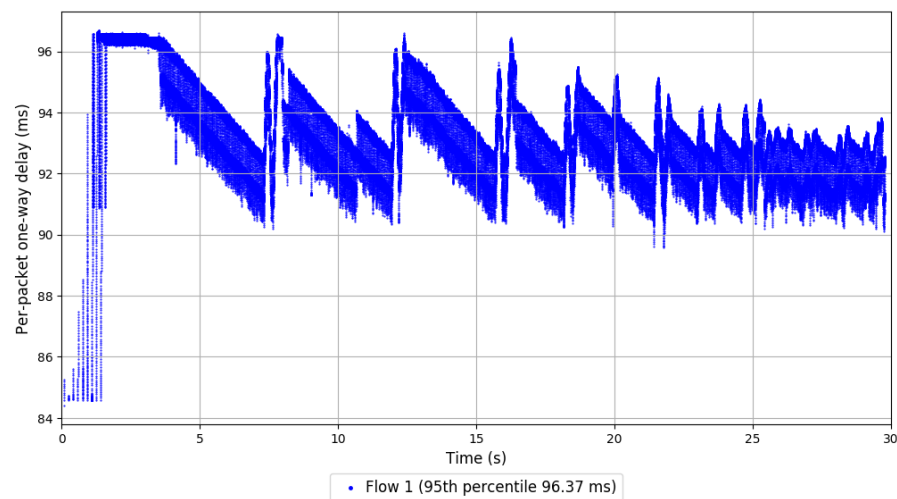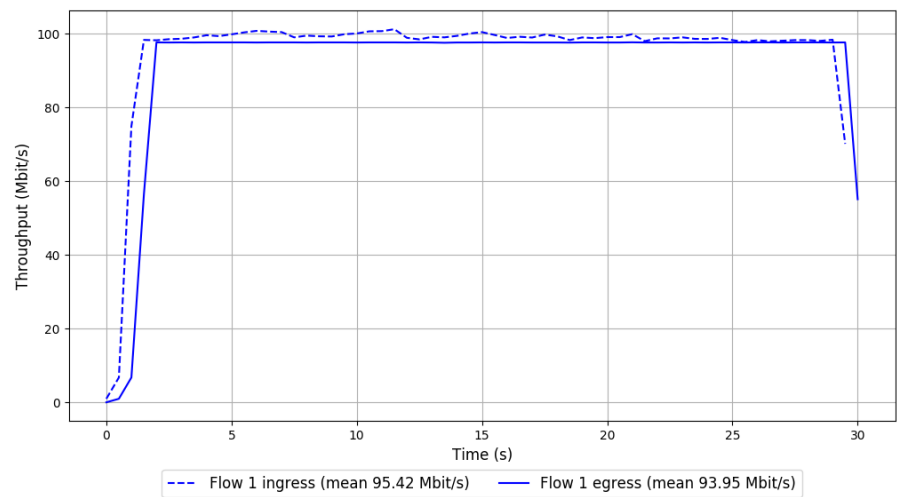
Run 2: Report of Indigo — Data Link

Flow 1 ingress (mean 96.75 Mbit/s)   Flow 1 egress (mean 94.08 Mbit/s)

• Flow 1 (95th percentile 96.61 ms)

```
Run 3: Statistics of Indigo

Start at: 2018-07-10 13:07:45
End at: 2018-07-10 13:08:15
Local clock offset: -0.283 ms
Remote clock offset: 0.759 ms


# Below is generated by plot.py at 2018-07-10 15:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 96.367 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 96.367 ms
Loss rate: 2.07%
```
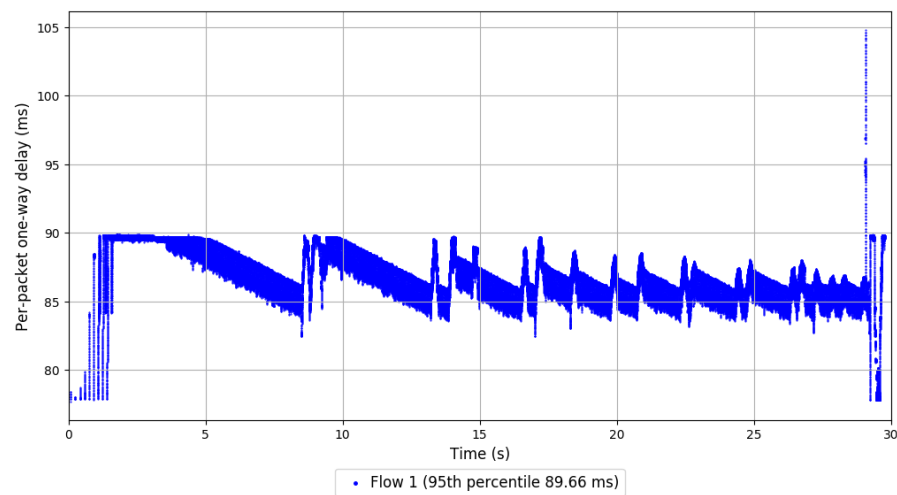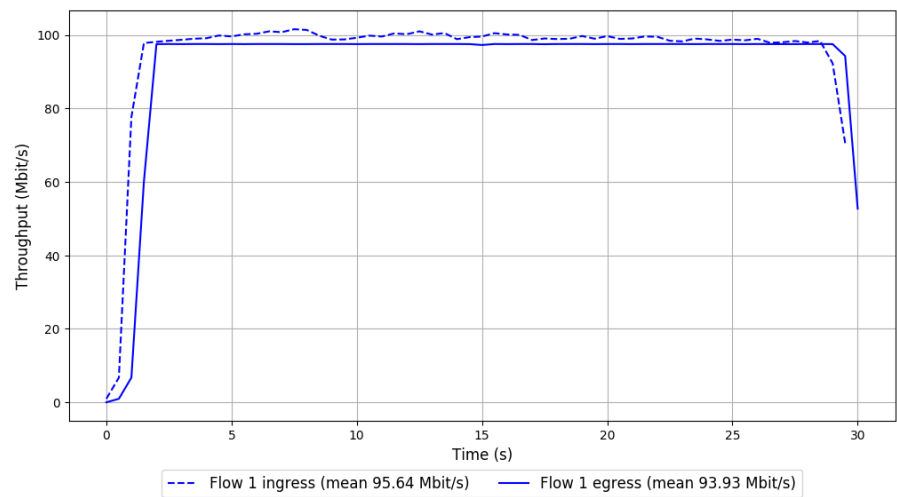
Run 3: Report of Indigo — Data Link

Flow 1 ingress (mean 95.42 Mbit/s)   Flow 1 egress (mean 93.95 Mbit/s)

• Flow 1 (95th percentile 96.37 ms)

```
Run 4: Statistics of Indigo

Start at: 2018-07-10 13:27:33
End at: 2018-07-10 13:28:03
Local clock offset: -0.269 ms
Remote clock offset: 5.736 ms


# Below is generated by plot.py at 2018-07-10 15:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 89.664 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 89.664 ms
Loss rate: 2.32%
```
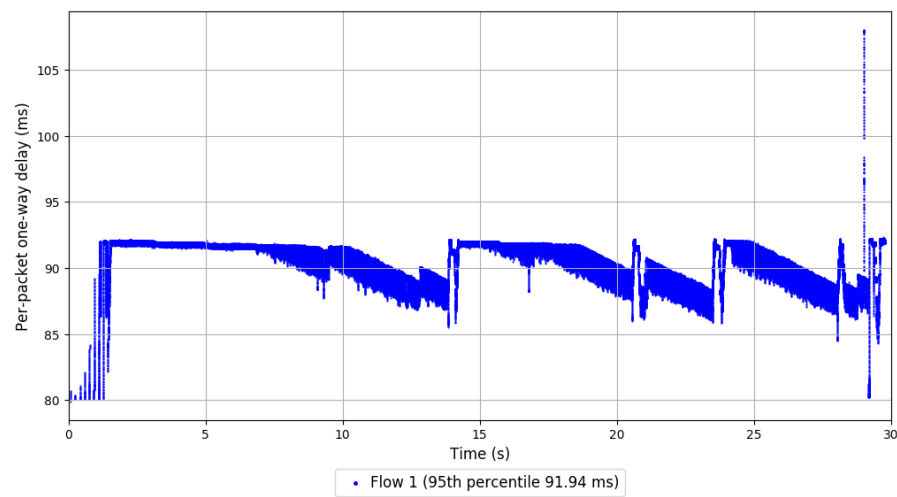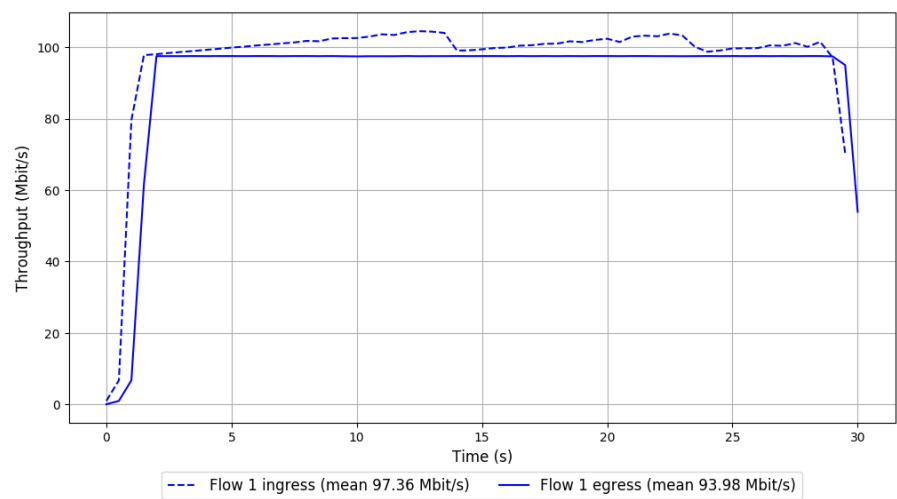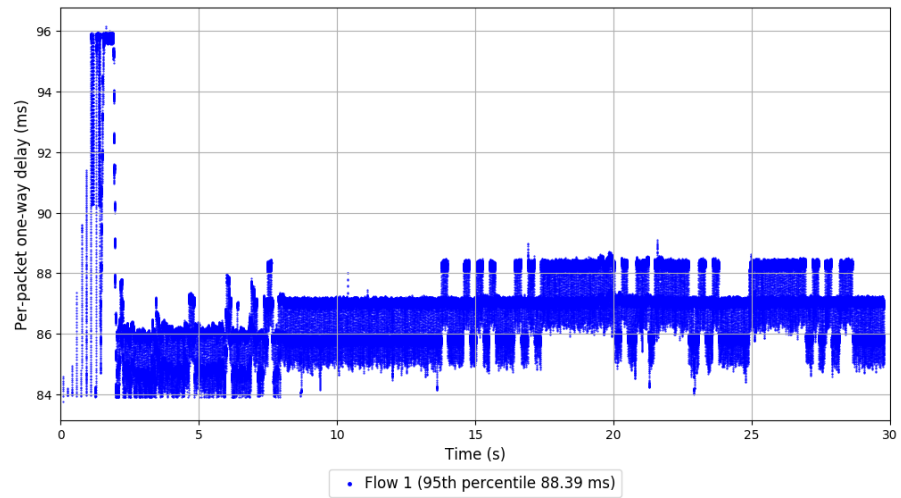
Run 4: Report of Indigo — Data Link

Flow 1 ingress (mean 95.64 Mbit/s)   Flow 1 egress (mean 93.93 Mbit/s)

Flow 1 (95th percentile 89.66 ms)

```
Run 5: Statistics of Indigo

Start at: 2018-07-10 13:47:17
End at: 2018-07-10 13:47:47
Local clock offset: -0.145 ms
Remote clock offset: 12.27 ms


# Below is generated by plot.py at 2018-07-10 15:45:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 91.945 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 91.945 ms
Loss rate: 4.00%
```

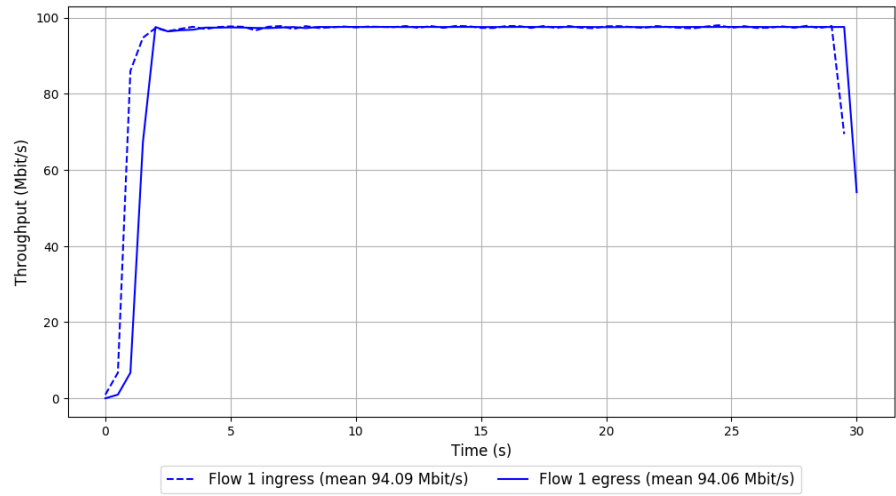## Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2018-07-10 14:07:09
End at: 2018-07-10 14:07:39
Local clock offset: -0.217 ms
Remote clock offset: 11.681 ms


# Below is generated by plot.py at 2018-07-10 15:45:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 88.385 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 88.385 ms
Loss rate: 0.58%
```

Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2018-07-10 14:27:04
End at: 2018-07-10 14:27:34
Local clock offset: -0.143 ms
Remote clock offset: 8.199 ms


# Below is generated by plot.py at 2018-07-10 15:45:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 85.399 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 85.399 ms
Loss rate: 0.60%
```
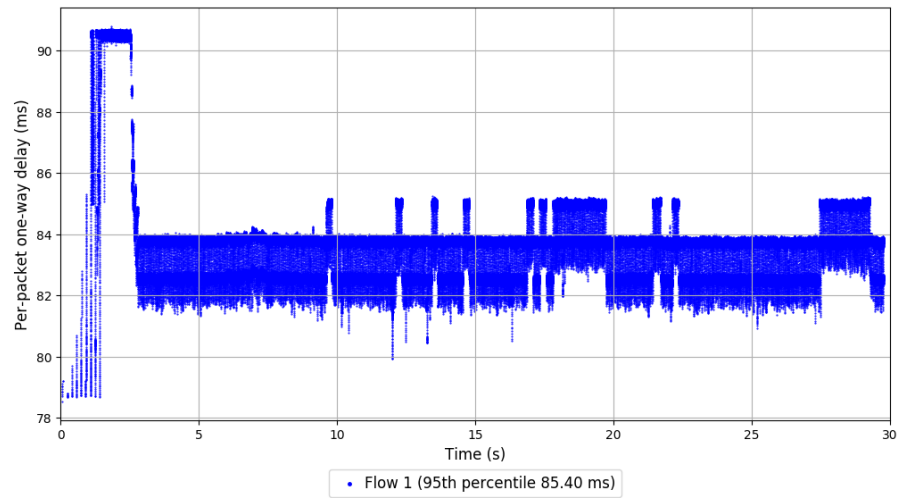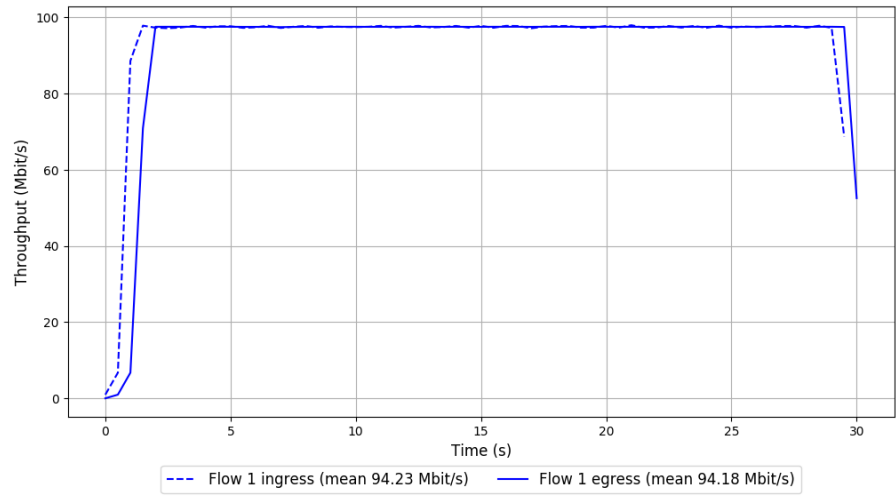
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-07-10 14:47:05
End at: 2018-07-10 14:47:35
Local clock offset: -0.253 ms
Remote clock offset: 9.114 ms


# Below is generated by plot.py at 2018-07-10 15:45:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 88.687 ms
Loss rate: 8.57%
-- Flow 1:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 88.687 ms
Loss rate: 8.57%
```
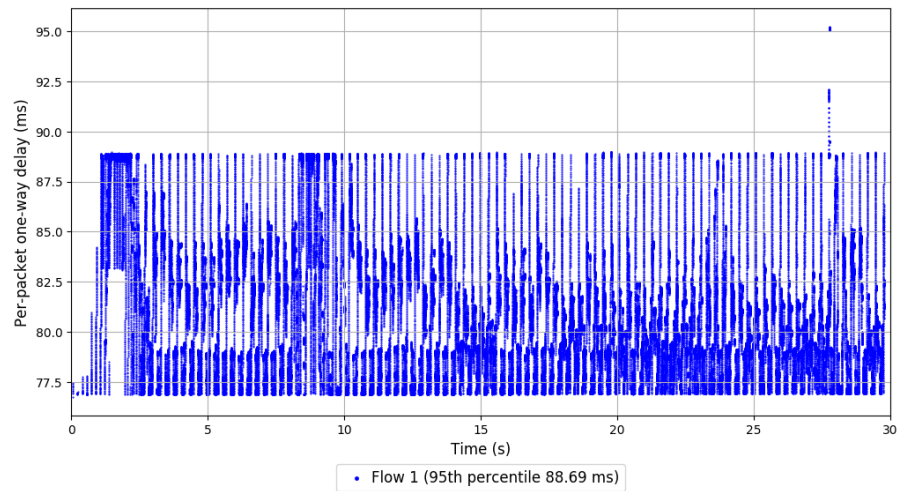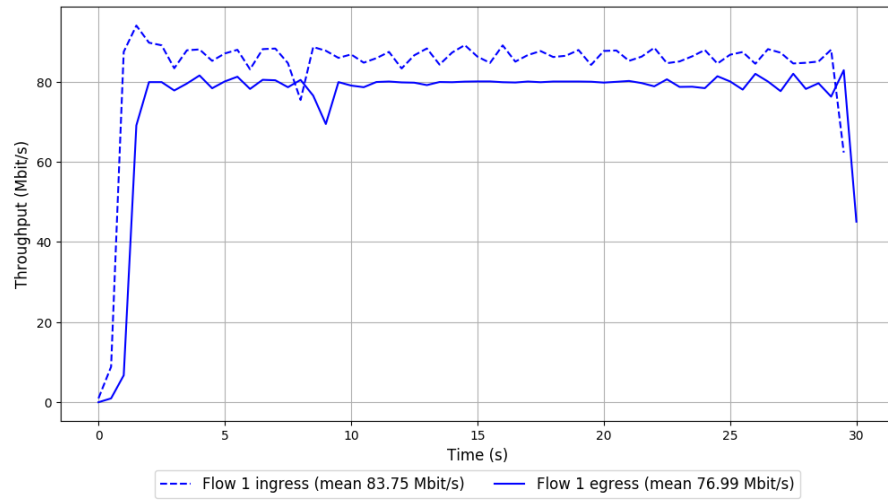
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2018-07-10 15:06:55
End at: 2018-07-10 15:07:25
Local clock offset: -0.301 ms
Remote clock offset: 4.966 ms


# Below is generated by plot.py at 2018-07-10 15:45:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 96.030 ms
Loss rate: 9.89%
-- Flow 1:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 96.030 ms
Loss rate: 9.89%
```
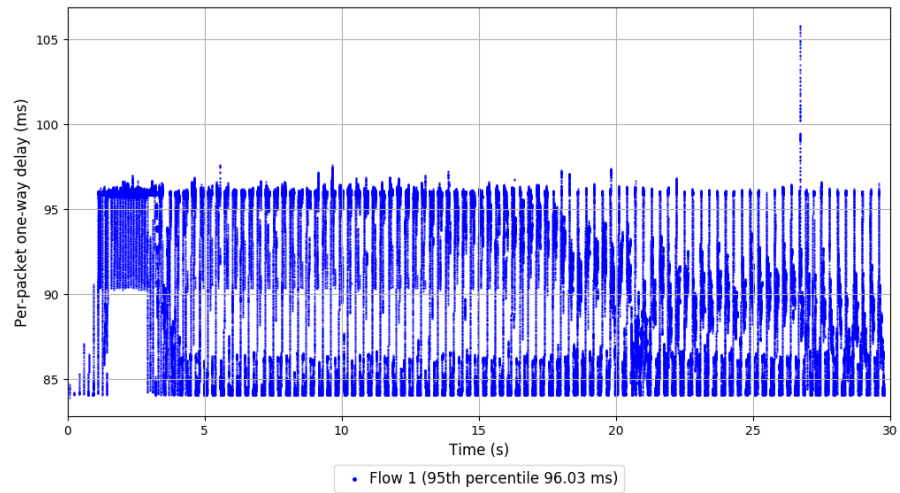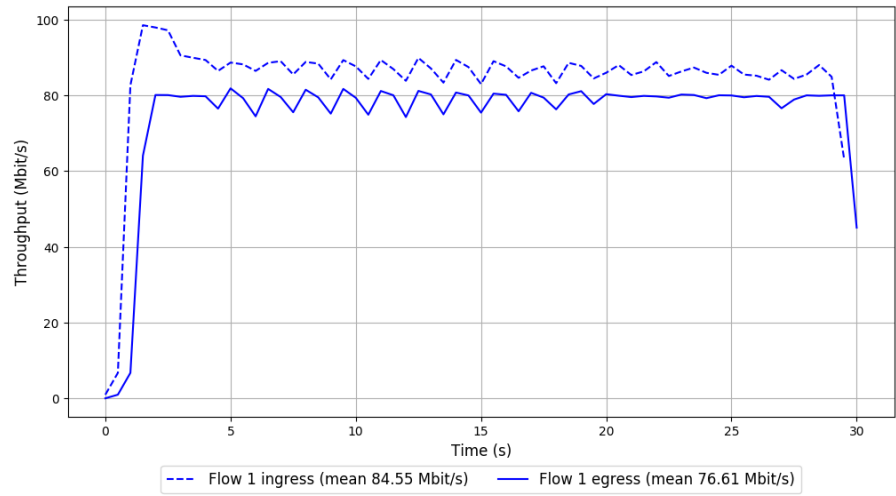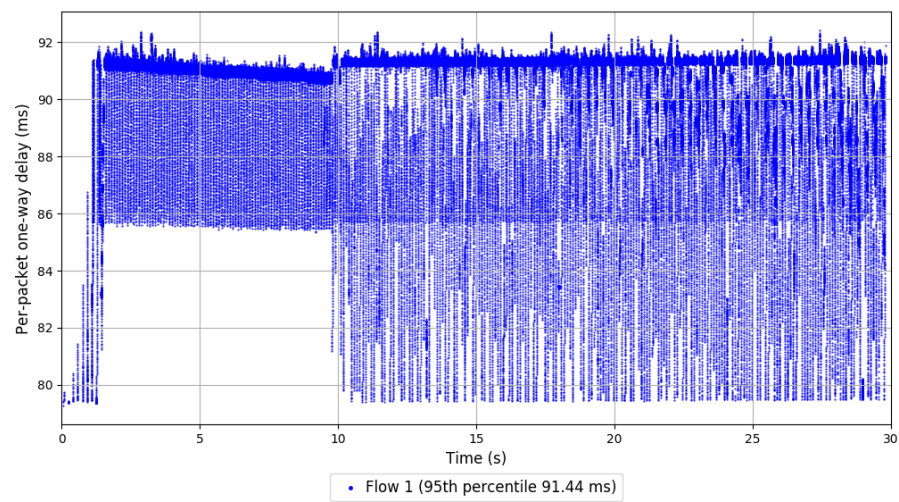
Run 9: Report of Indigo — Data Link

Flow 1 ingress (mean 84.55 Mbit/s) ----   Flow 1 egress (mean 76.61 Mbit/s) ——

Flow 1 (95th percentile 96.03 ms)

```
Run 10: Statistics of Indigo

Start at: 2018-07-10 15:26:56
End at: 2018-07-10 15:27:26
Local clock offset: -0.294 ms
Remote clock offset: 12.032 ms

# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 91.442 ms
Loss rate: 17.63%
-- Flow 1:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 91.442 ms
Loss rate: 17.63%
```
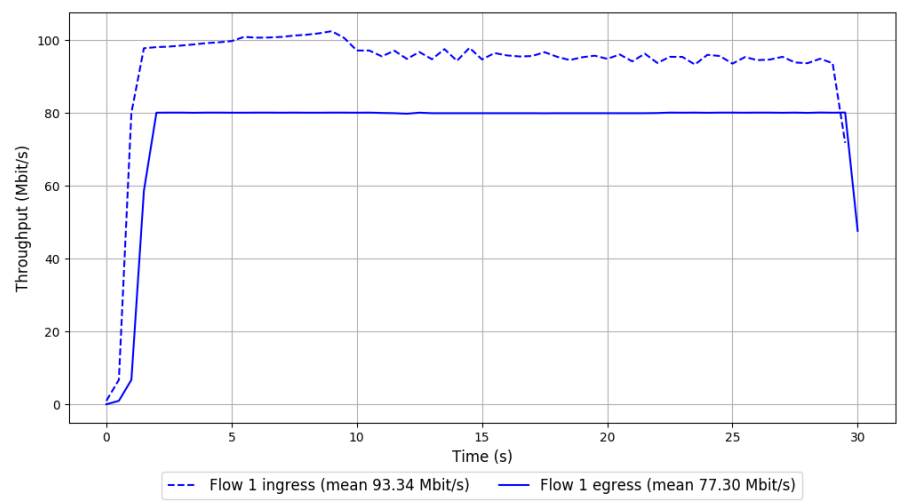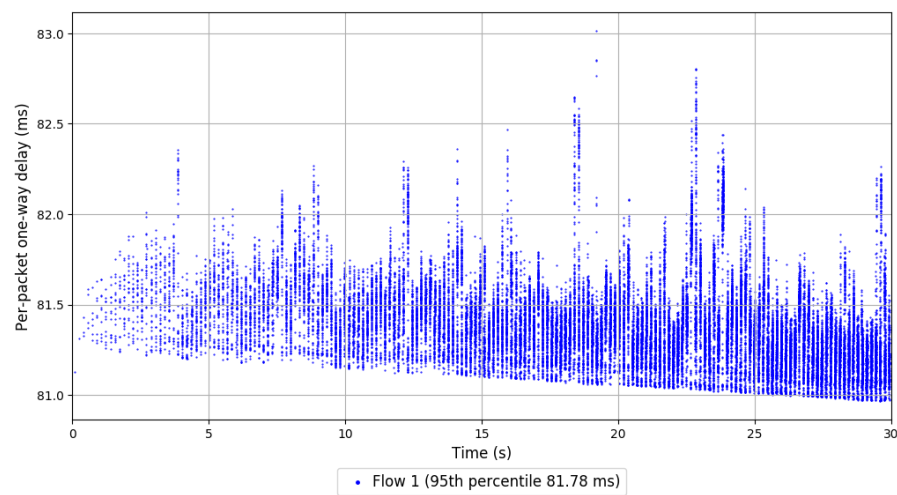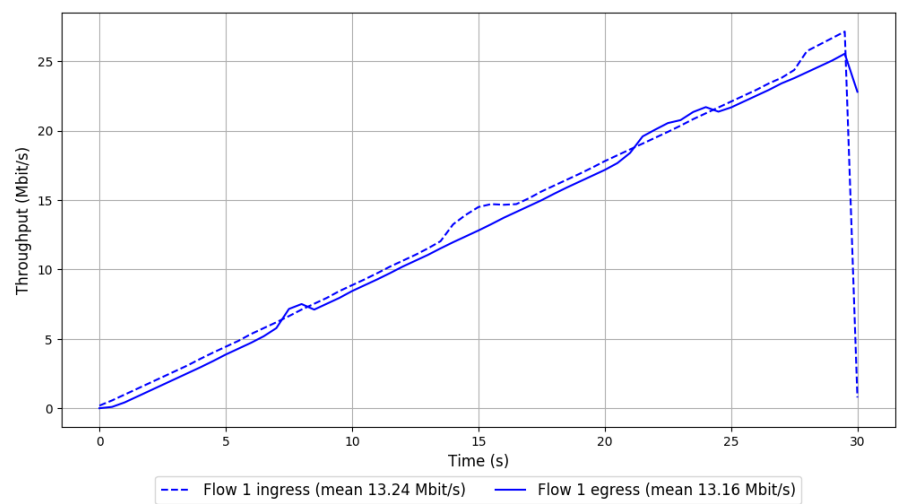
Run 10: Report of Indigo — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2018-07-10 12:33:51
End at: 2018-07-10 12:34:21
Local clock offset: -0.197 ms
Remote clock offset: 10.284 ms


# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 81.783 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 81.783 ms
Loss rate: 1.09%
```

Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2018-07-10 12:53:42
End at: 2018-07-10 12:54:12
Local clock offset: -0.223 ms
Remote clock offset: 1.132 ms


# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 83.647 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 83.647 ms
Loss rate: 1.04%
```
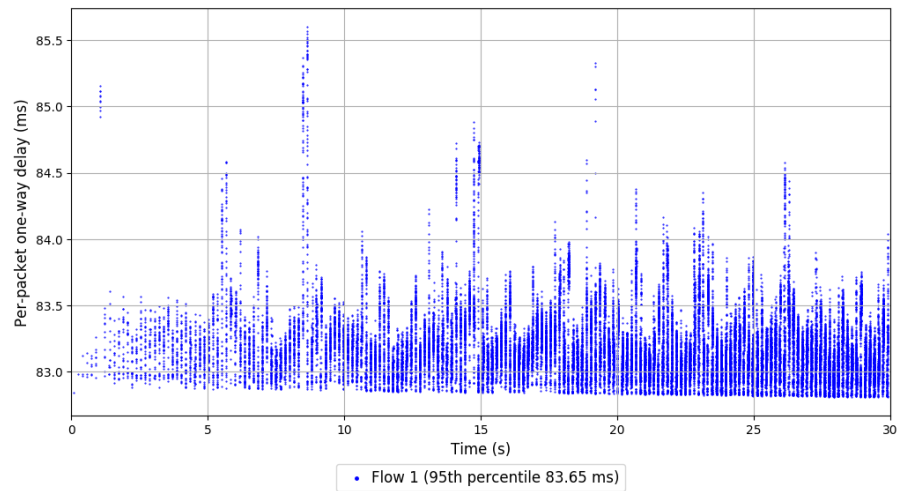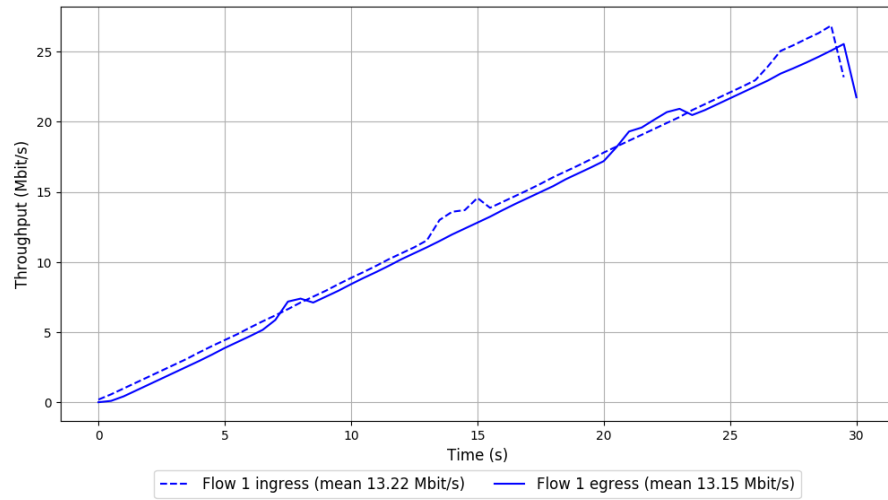
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 13.22 Mbit/s) --- Flow 1 egress (mean 13.15 Mbit/s)

Flow 1 (95th percentile 83.65 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2018-07-10 13:13:30
End at: 2018-07-10 13:14:00
Local clock offset: -0.216 ms
Remote clock offset: 1.078 ms


# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 85.865 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 85.865 ms
Loss rate: 1.11%
```
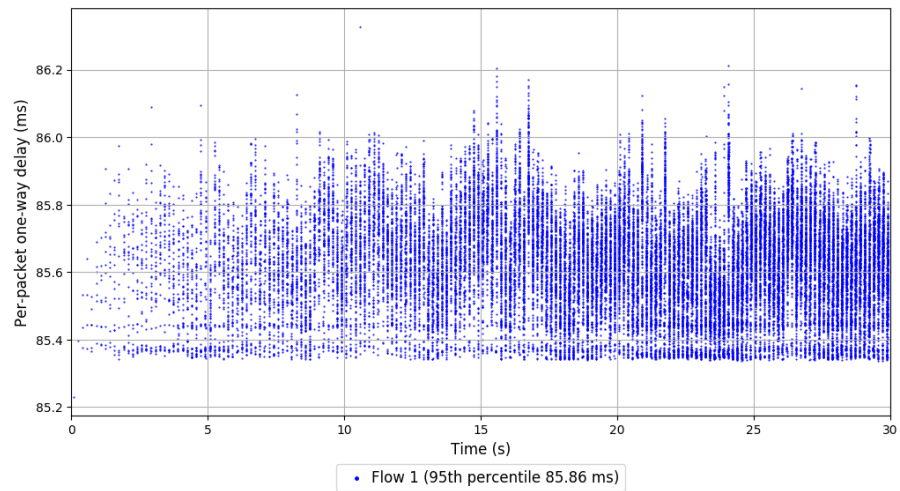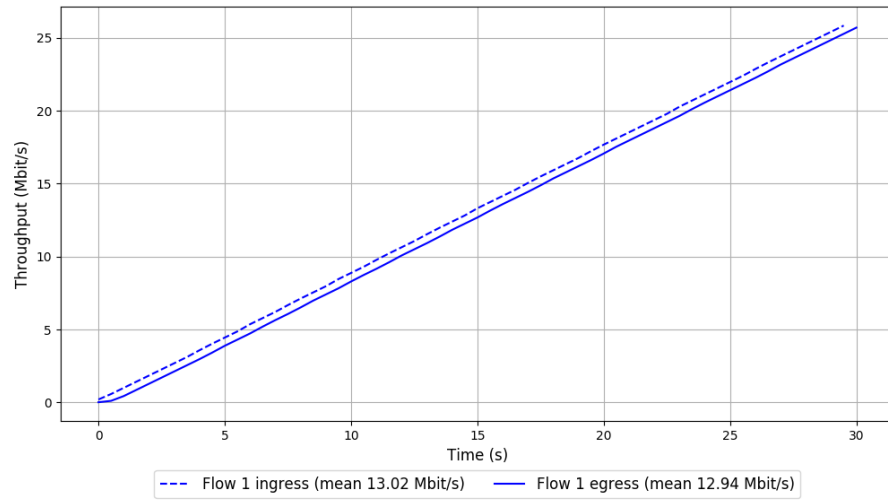
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 13.02 Mbit/s) --- Flow 1 egress (mean 12.94 Mbit/s)

Flow 1 (95th percentile 85.86 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-07-10 13:33:19
End at: 2018-07-10 13:33:49
Local clock offset: -0.173 ms
Remote clock offset: 1.703 ms


# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 82.130 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 82.130 ms
Loss rate: 1.12%
```
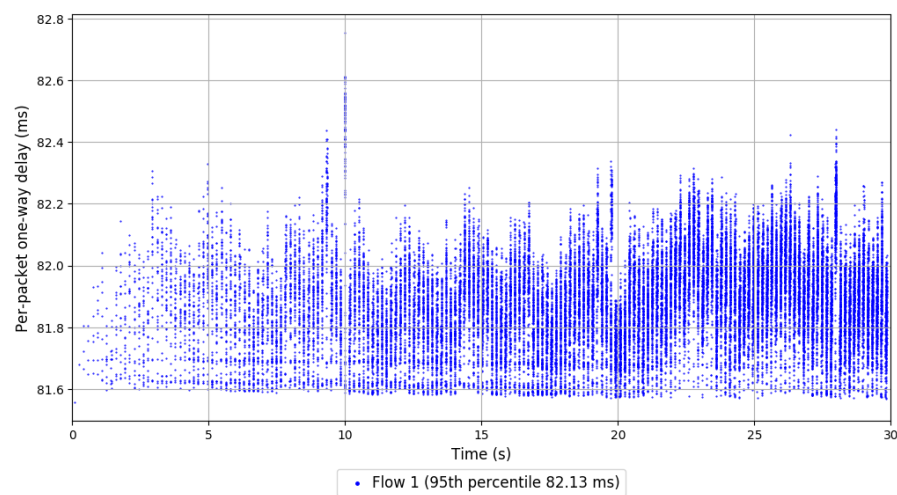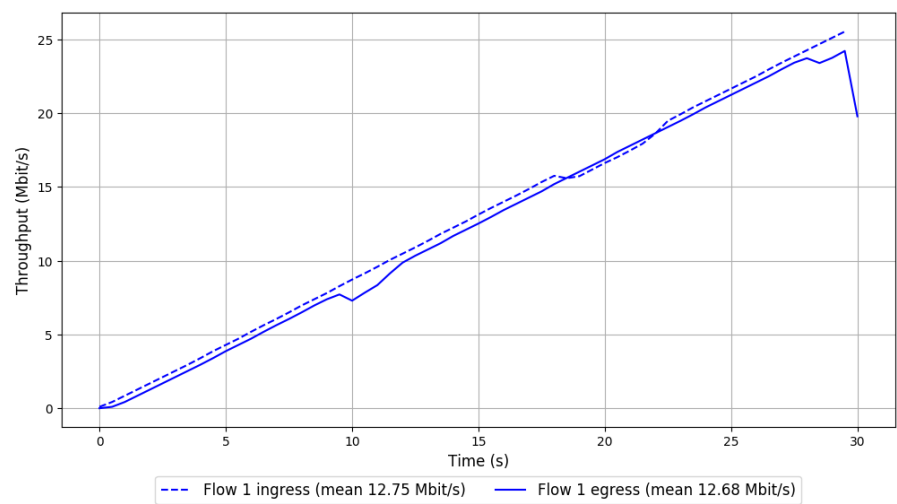
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.75 Mbit/s)   Flow 1 egress (mean 12.68 Mbit/s)

Flow 1 (95th percentile 82.13 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2018-07-10 13:53:04
End at: 2018-07-10 13:53:34
Local clock offset: -0.137 ms
Remote clock offset: 8.812 ms

# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: 85.665 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: 85.665 ms
Loss rate: 1.11%
```
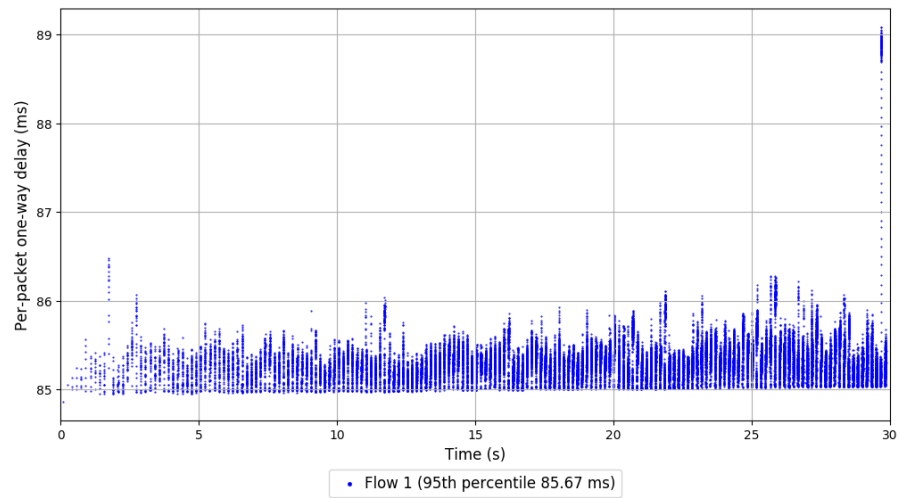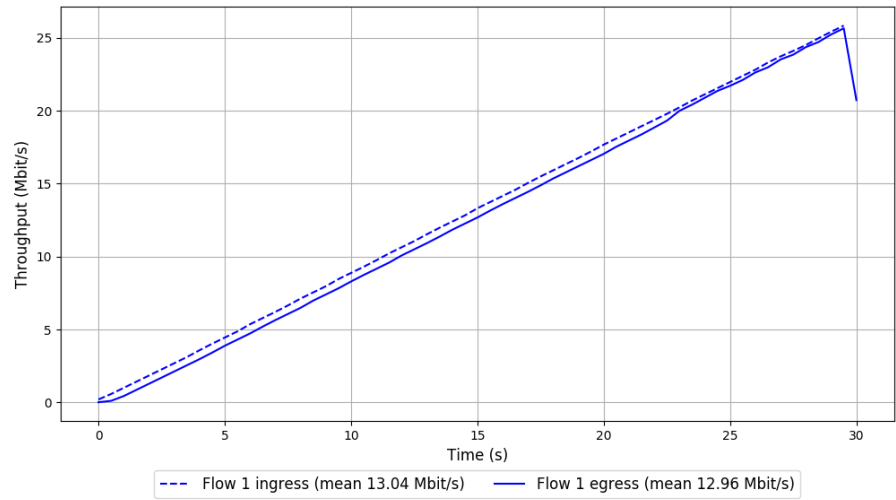
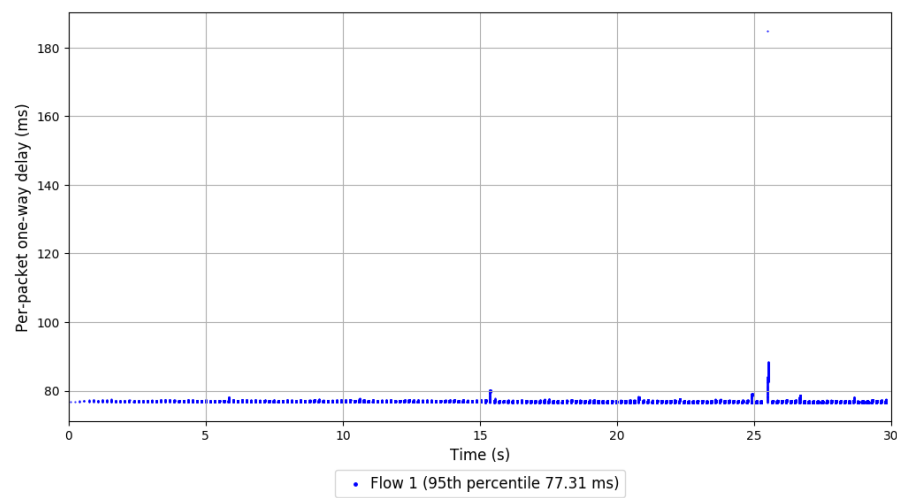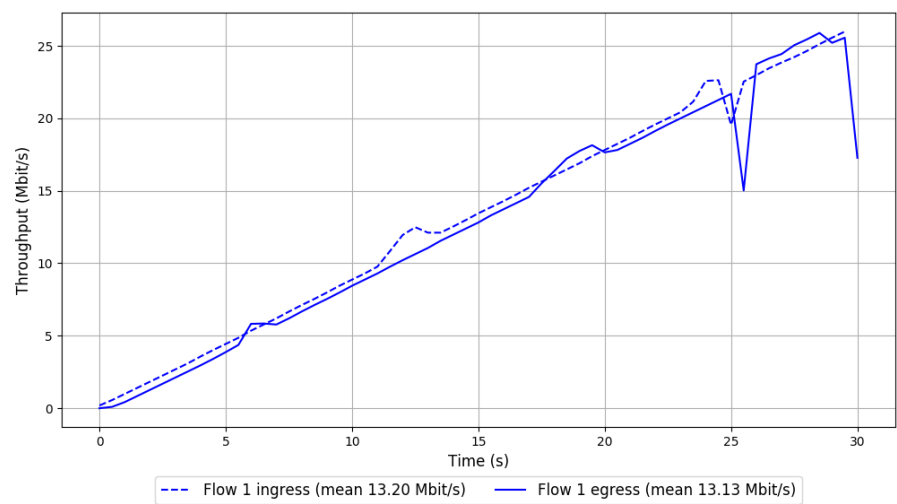## Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2018-07-10 14:12:55
End at: 2018-07-10 14:13:25
Local clock offset: -0.157 ms
Remote clock offset: 15.384 ms


# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 77.305 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 77.305 ms
Loss rate: 1.10%
```

Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2018-07-10 14:32:59
End at: 2018-07-10 14:33:29
Local clock offset: -0.222 ms
Remote clock offset: 3.595 ms


# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 83.296 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 83.296 ms
Loss rate: 1.08%
```
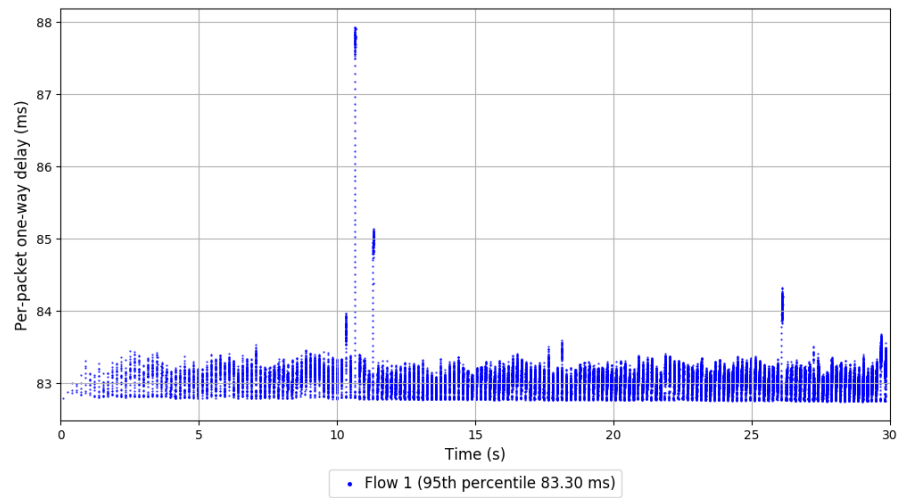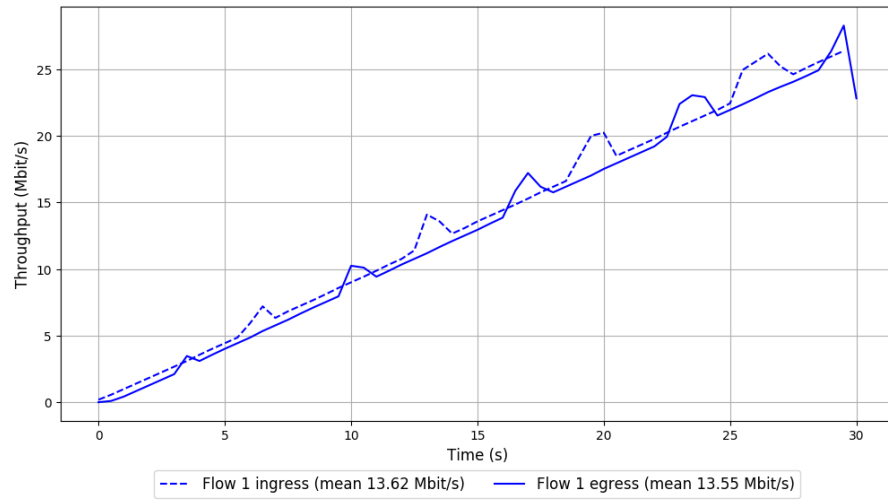
Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2018-07-10 14:52:50
End at: 2018-07-10 14:53:20
Local clock offset: -0.222 ms
Remote clock offset: 8.61 ms


# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 79.031 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 79.031 ms
Loss rate: 1.10%
```
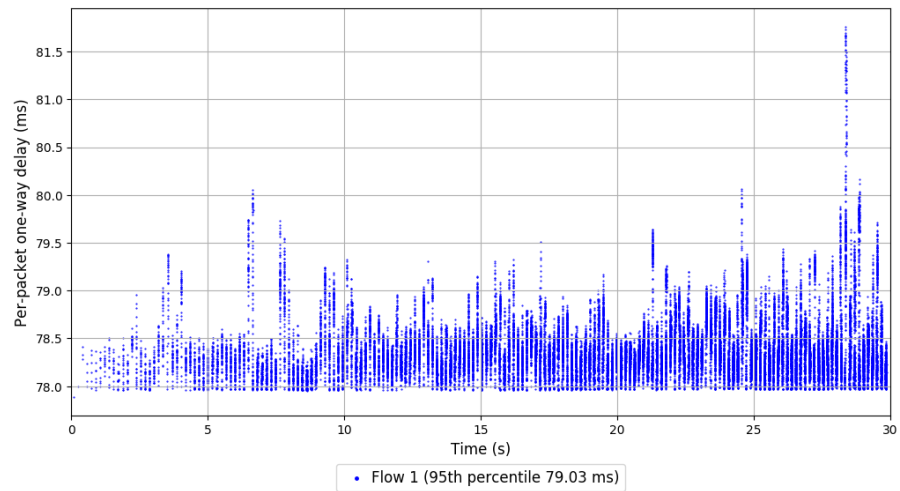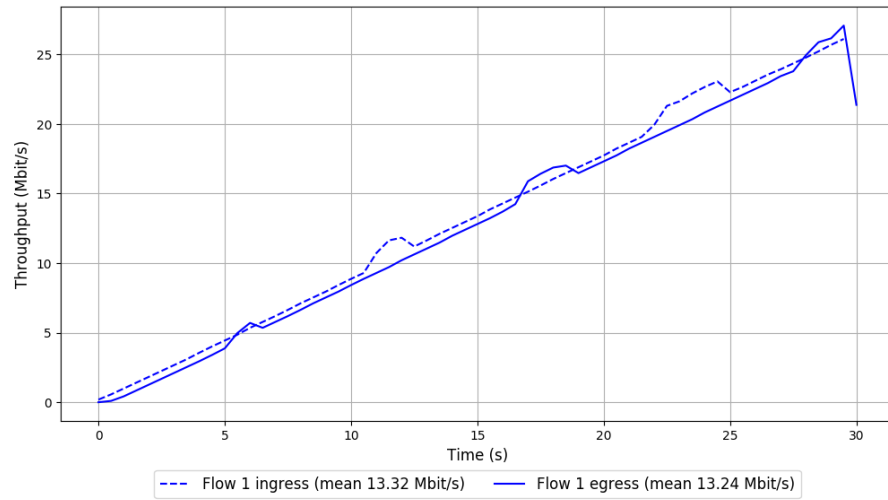
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 13.32 Mbit/s)   Flow 1 egress (mean 13.24 Mbit/s)

Flow 1 (95th percentile 79.03 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-07-10 15:12:41
End at: 2018-07-10 15:13:11
Local clock offset: -0.217 ms
Remote clock offset: 7.822 ms


# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 79.509 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 79.509 ms
Loss rate: 1.07%
```
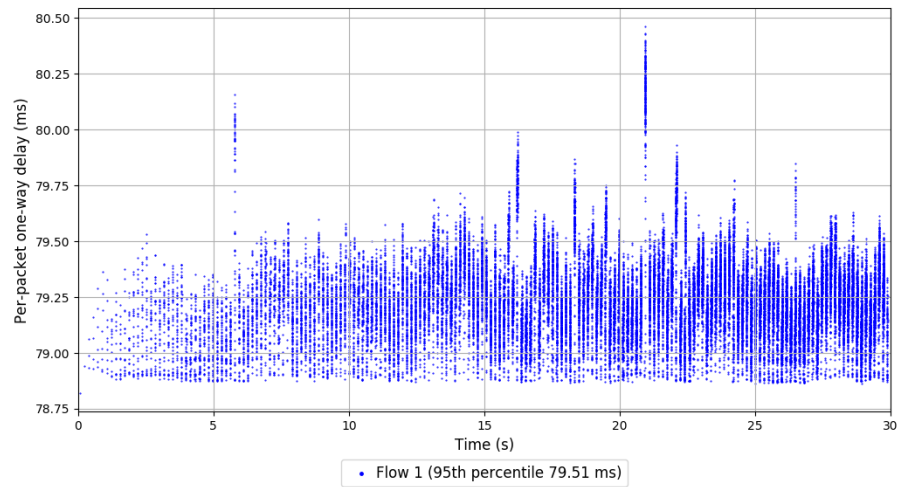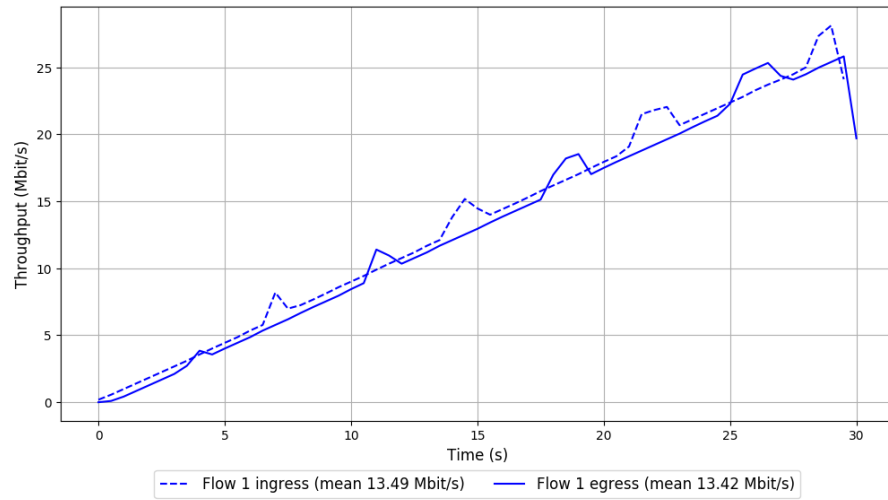
Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2018-07-10 15:32:52
End at: 2018-07-10 15:33:22
Local clock offset: -0.311 ms
Remote clock offset: 14.22 ms


# Below is generated by plot.py at 2018-07-10 15:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 77.308 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 77.308 ms
Loss rate: 1.05%
```
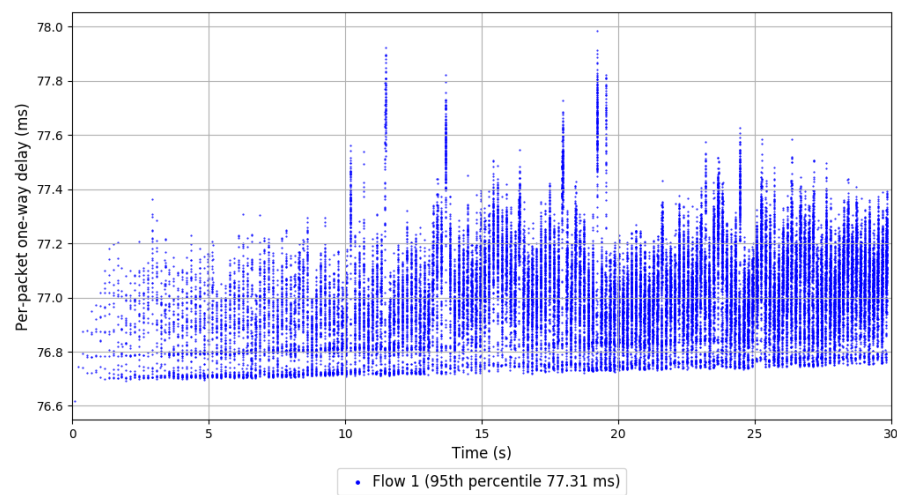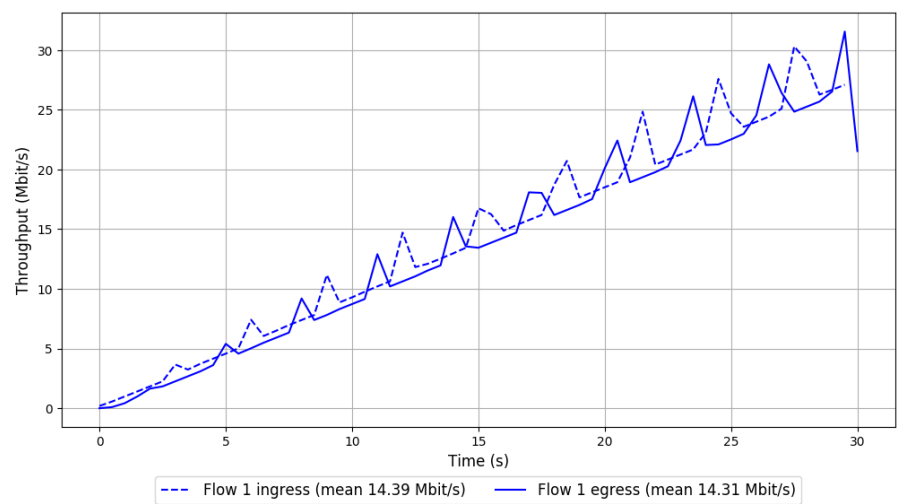
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 14.39 Mbit/s) --- Flow 1 egress (mean 14.31 Mbit/s)

Flow 1 (95th percentile 77.31 ms)

```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 12:21:06
End at: 2018-07-10 12:21:36
Local clock offset: -0.173 ms
Remote clock offset: 11.158 ms


# Below is generated by plot.py at 2018-07-10 15:46:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 90.857 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 90.857 ms
Loss rate: 0.63%
```
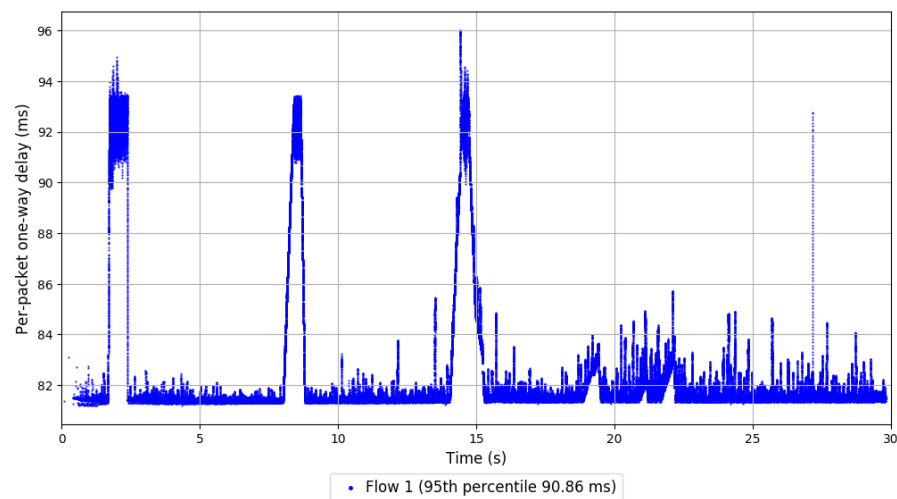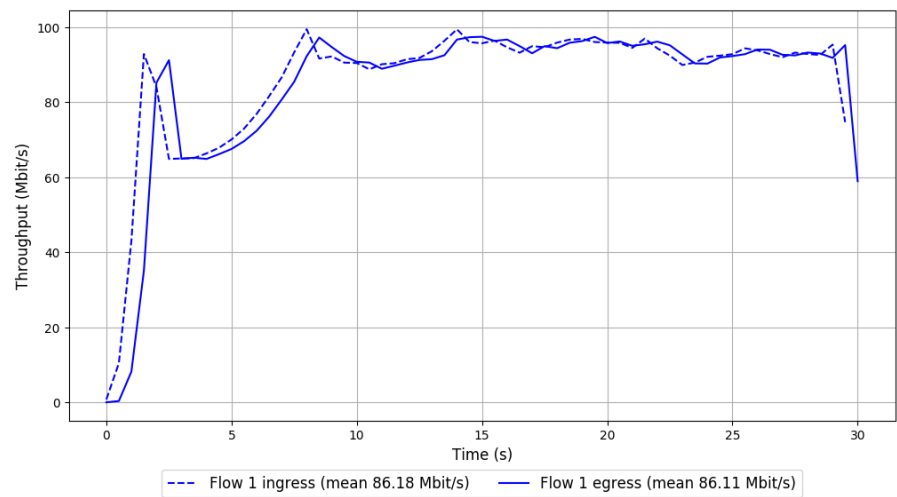
Run 1: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 86.18 Mbit/s)   Flow 1 egress (mean 86.11 Mbit/s)

Flow 1 (95th percentile 90.86 ms)

```
Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 12:40:57
End at: 2018-07-10 12:41:27
Local clock offset: -0.195 ms
Remote clock offset: 3.51 ms


# Below is generated by plot.py at 2018-07-10 15:46:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 95.553 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 95.553 ms
Loss rate: 0.64%
```
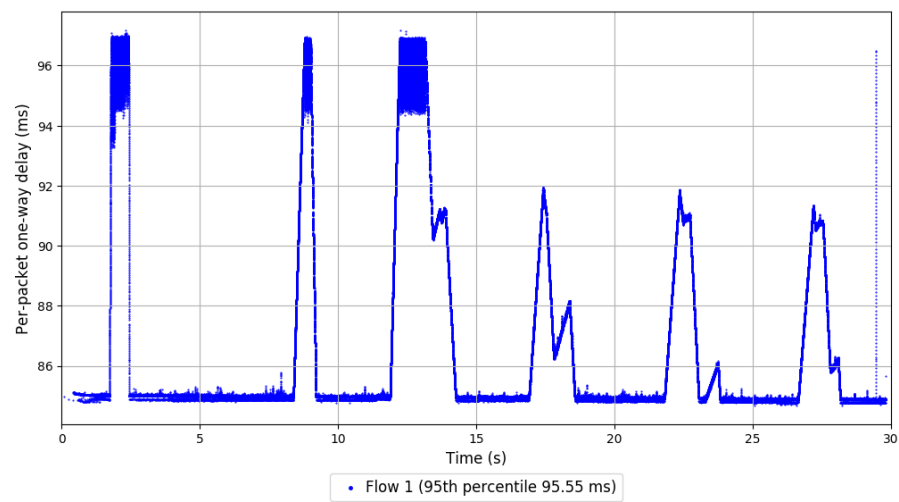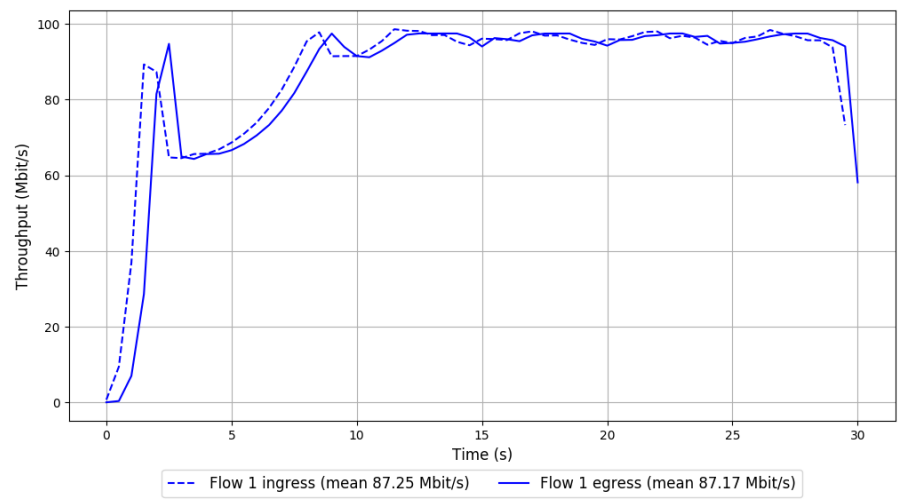
Run 2: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 87.25 Mbit/s) —— Flow 1 egress (mean 87.17 Mbit/s)

· Flow 1 (95th percentile 95.55 ms)

```
Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 13:00:46
End at: 2018-07-10 13:01:16
Local clock offset: -0.274 ms
Remote clock offset: 5.154 ms


# Below is generated by plot.py at 2018-07-10 15:46:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 87.031 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 87.031 ms
Loss rate: 0.62%
```
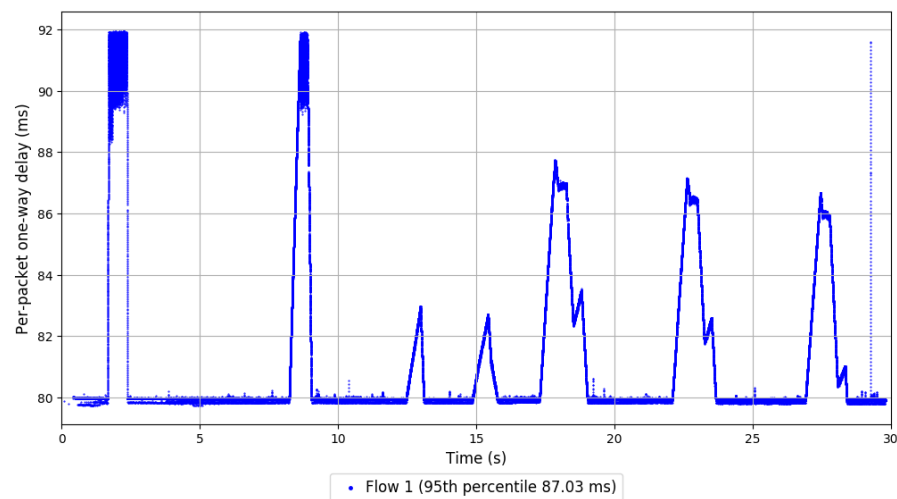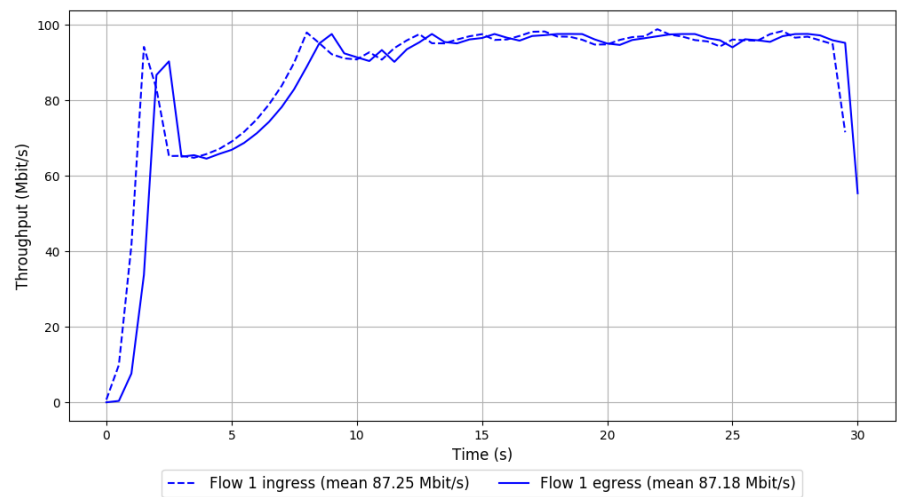
Run 3: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 87.25 Mbit/s)   Flow 1 egress (mean 87.18 Mbit/s)

• Flow 1 (95th percentile 87.03 ms)

```
Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 13:20:34
End at: 2018-07-10 13:21:04
Local clock offset: -0.206 ms
Remote clock offset: 1.043 ms


# Below is generated by plot.py at 2018-07-10 15:46:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 92.996 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 92.996 ms
Loss rate: 0.62%
```
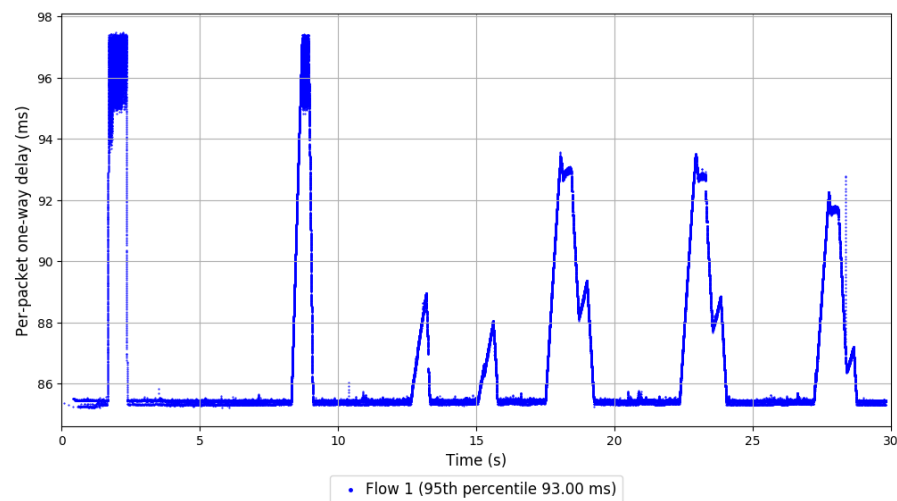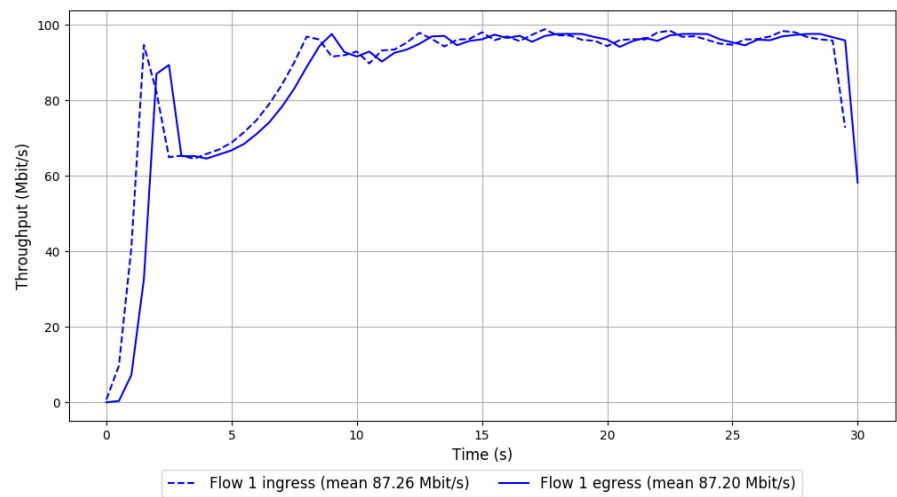
Run 4: Report of PCC-Allegro — Data Link

```
Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 13:40:18
End at: 2018-07-10 13:40:48
Local clock offset: -0.165 ms
Remote clock offset: 3.815 ms


# Below is generated by plot.py at 2018-07-10 15:46:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.56 Mbit/s
95th percentile per-packet one-way delay: 83.286 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 74.56 Mbit/s
95th percentile per-packet one-way delay: 83.286 ms
Loss rate: 1.54%
```
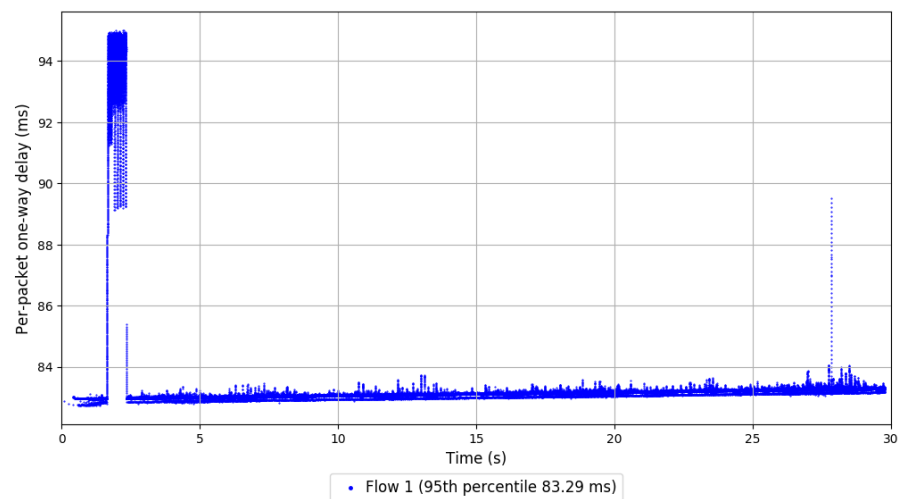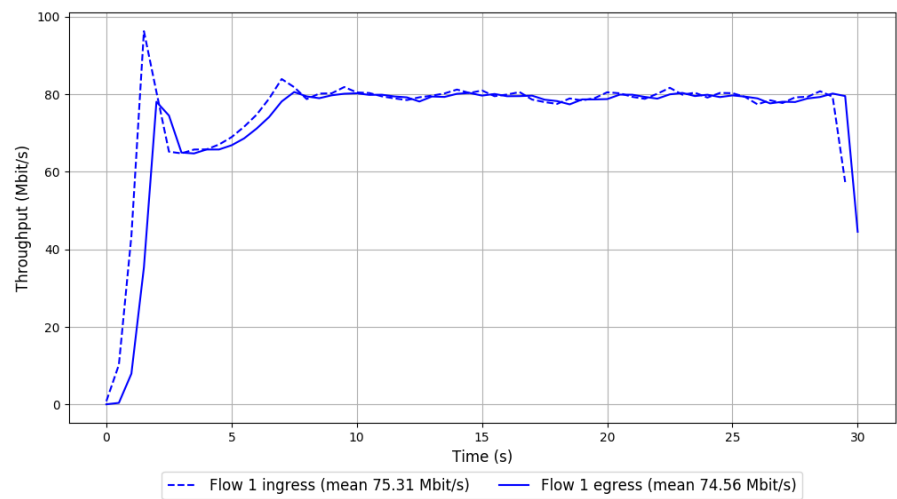
Run 5: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 75.31 Mbit/s) --- Flow 1 egress (mean 74.56 Mbit/s)

• Flow 1 (95th percentile 83.29 ms)

```
Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 14:00:09
End at: 2018-07-10 14:00:39
Local clock offset: -0.159 ms
Remote clock offset: 9.866 ms


# Below is generated by plot.py at 2018-07-10 15:47:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 95.594 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 95.594 ms
Loss rate: 0.64%
```
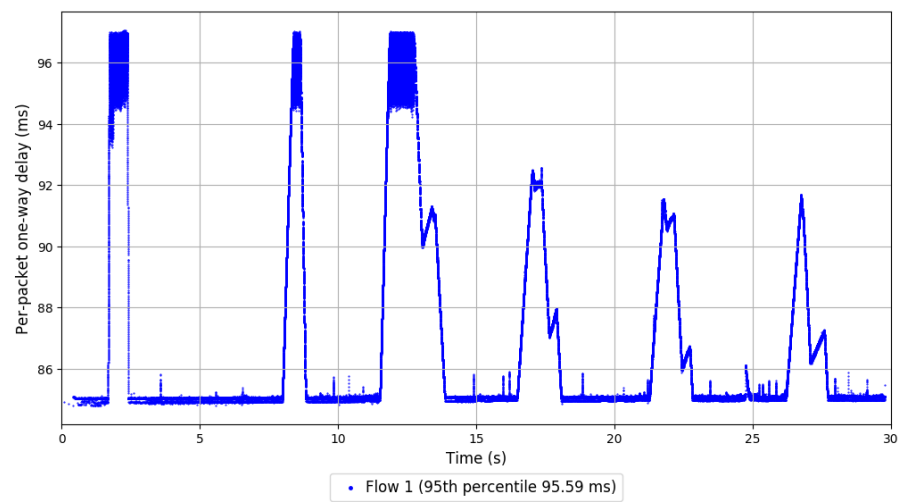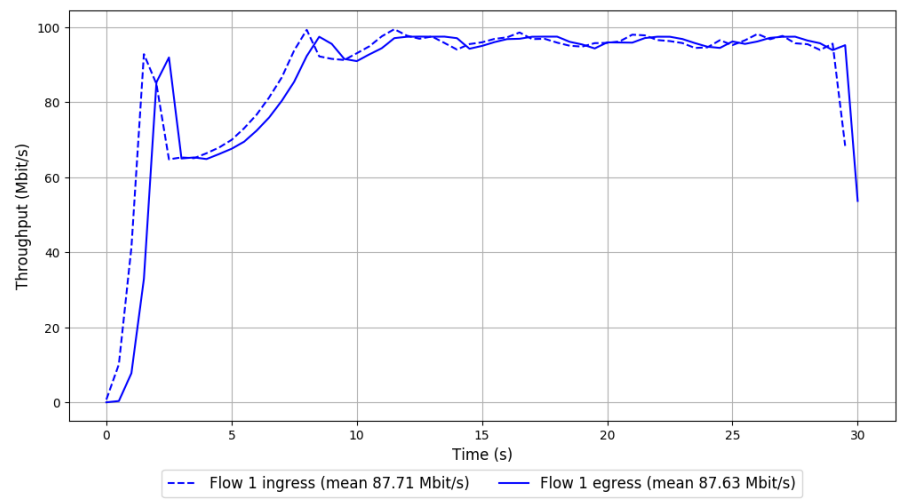
Run 6: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 87.71 Mbit/s) --- Flow 1 egress (mean 87.63 Mbit/s)

Flow 1 (95th percentile 95.59 ms)

```
Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 14:20:03
End at: 2018-07-10 14:20:33
Local clock offset: -0.16 ms
Remote clock offset: 6.997 ms


# Below is generated by plot.py at 2018-07-10 15:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 89.740 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 89.740 ms
Loss rate: 0.63%
```
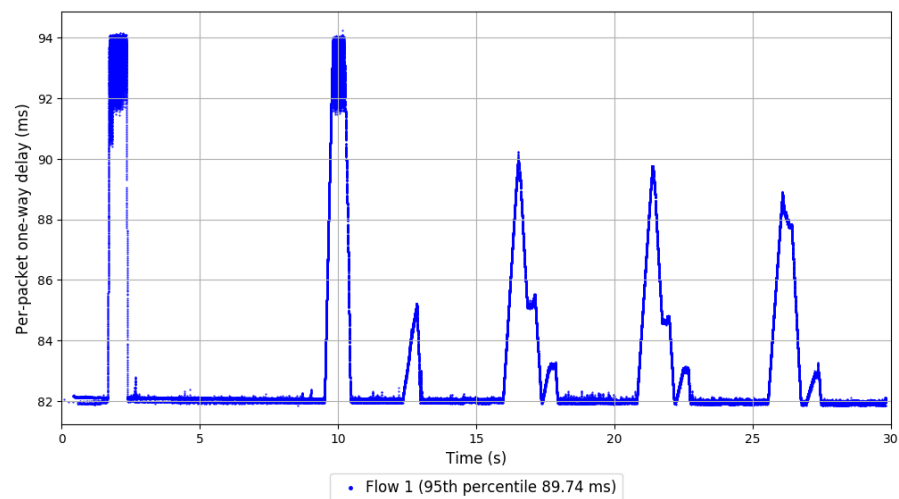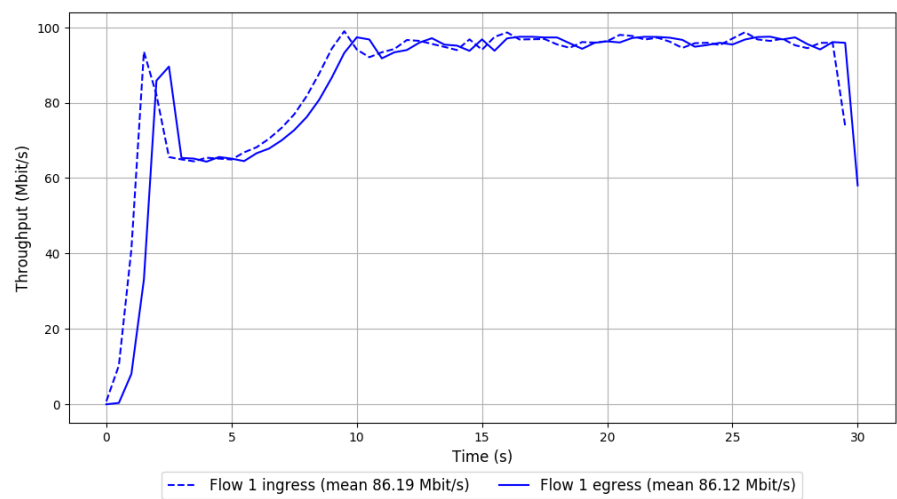
Run 7: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 86.19 Mbit/s) — — — Flow 1 egress (mean 86.12 Mbit/s)

Flow 1 (95th percentile 89.74 ms)

```
Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 14:40:06
End at: 2018-07-10 14:40:36
Local clock offset: -0.15 ms
Remote clock offset: 3.047 ms


# Below is generated by plot.py at 2018-07-10 15:47:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 95.549 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 95.549 ms
Loss rate: 0.65%
```
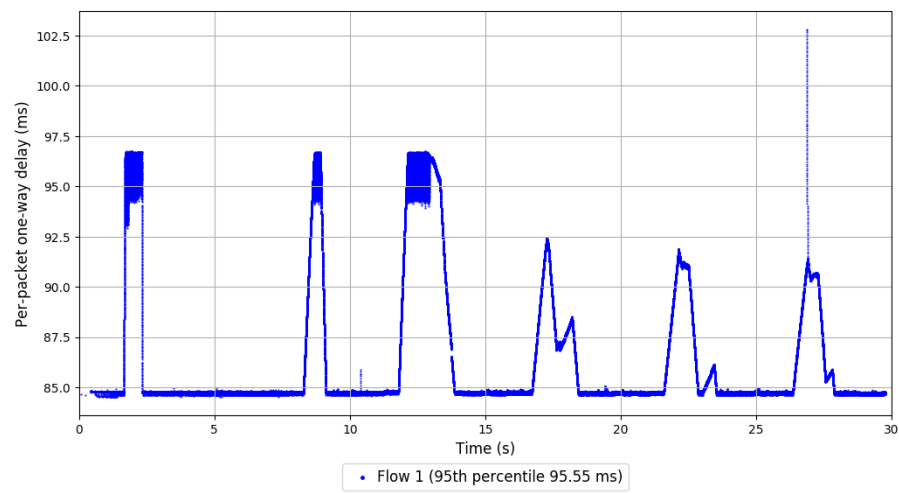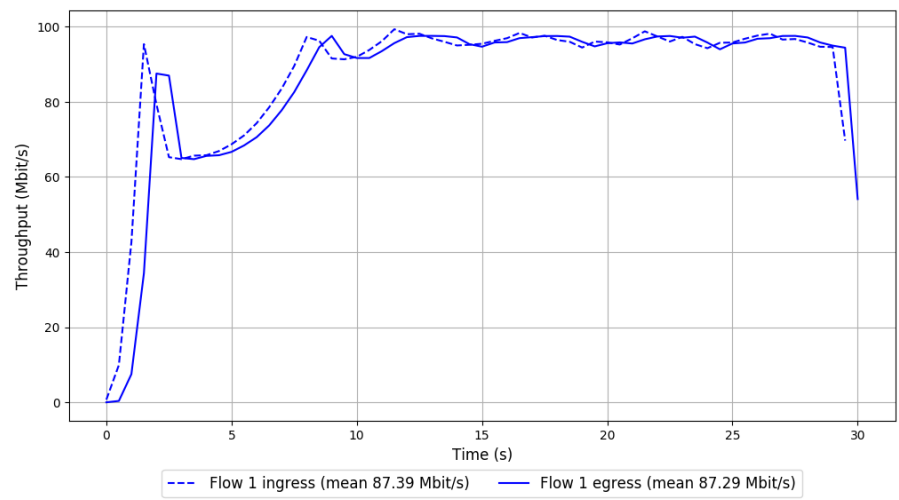
Run 8: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 87.39 Mbit/s) --- Flow 1 egress (mean 87.29 Mbit/s)

Flow 1 (95th percentile 95.55 ms)

```
Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 14:59:56
End at: 2018-07-10 15:00:26
Local clock offset: -0.239 ms
Remote clock offset: 3.862 ms


# Below is generated by plot.py at 2018-07-10 15:47:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 94.647 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 94.647 ms
Loss rate: 0.65%
```
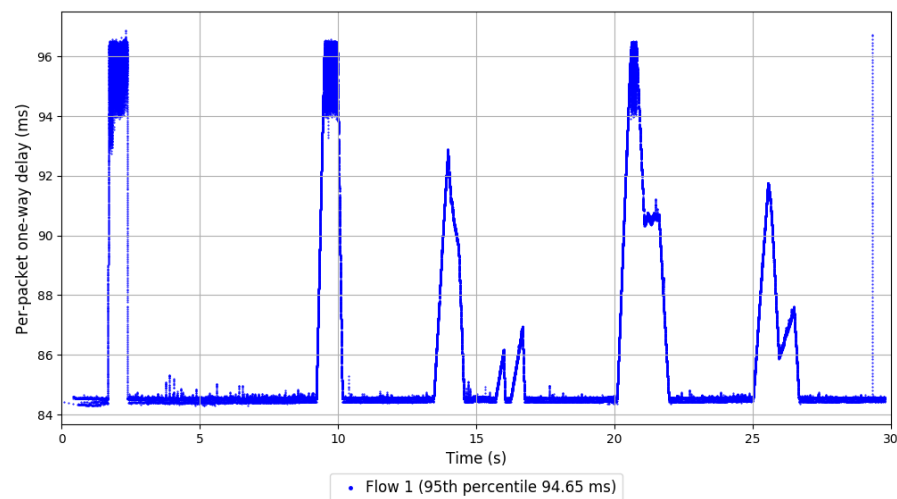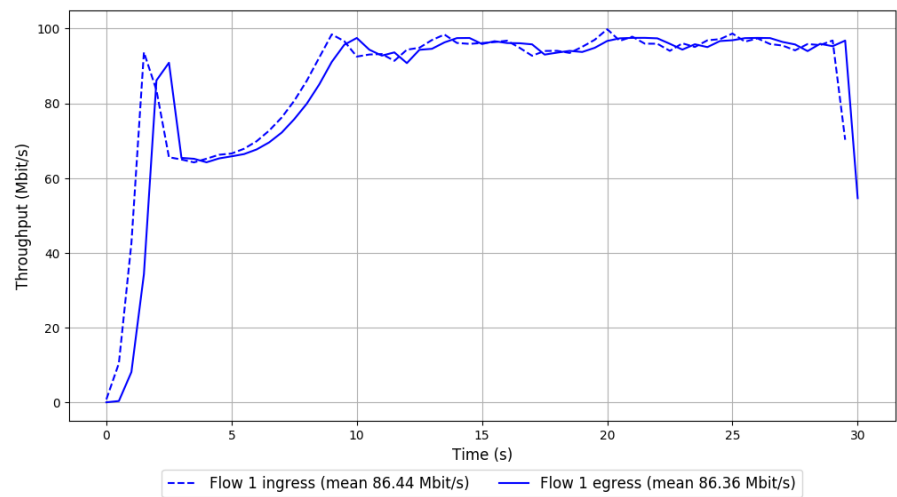
Run 9: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 86.44 Mbit/s)   Flow 1 egress (mean 86.36 Mbit/s)

Flow 1 (95th percentile 94.65 ms)

```
Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 15:19:47
End at: 2018-07-10 15:20:17
Local clock offset: -0.236 ms
Remote clock offset: 4.486 ms


# Below is generated by plot.py at 2018-07-10 15:47:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 93.026 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 93.026 ms
Loss rate: 0.63%
```
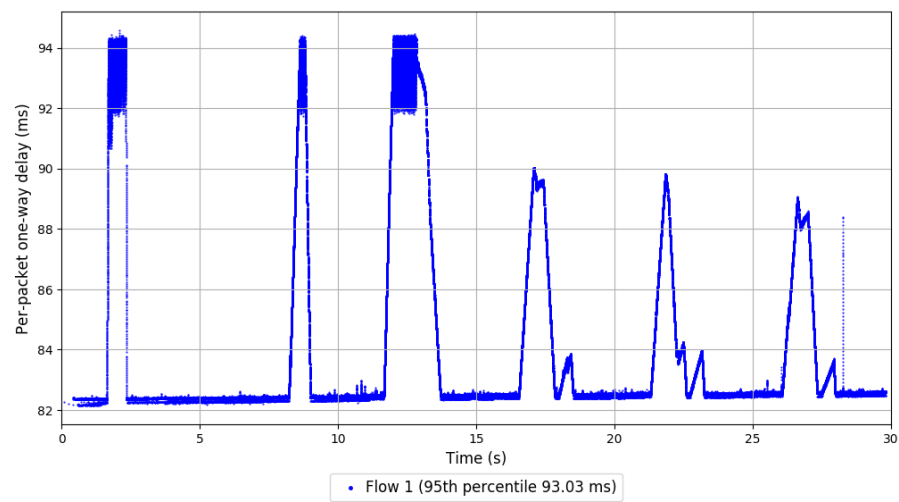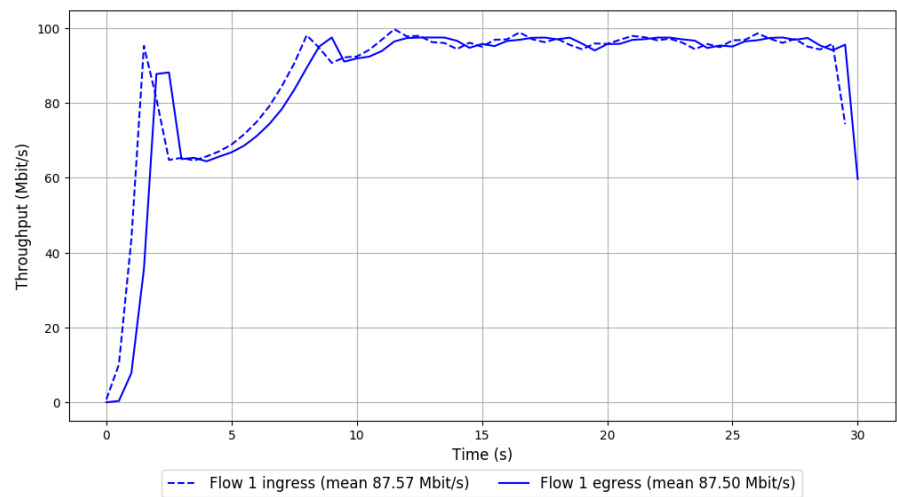
Run 10: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 87.57 Mbit/s) --- Flow 1 egress (mean 87.50 Mbit/s)
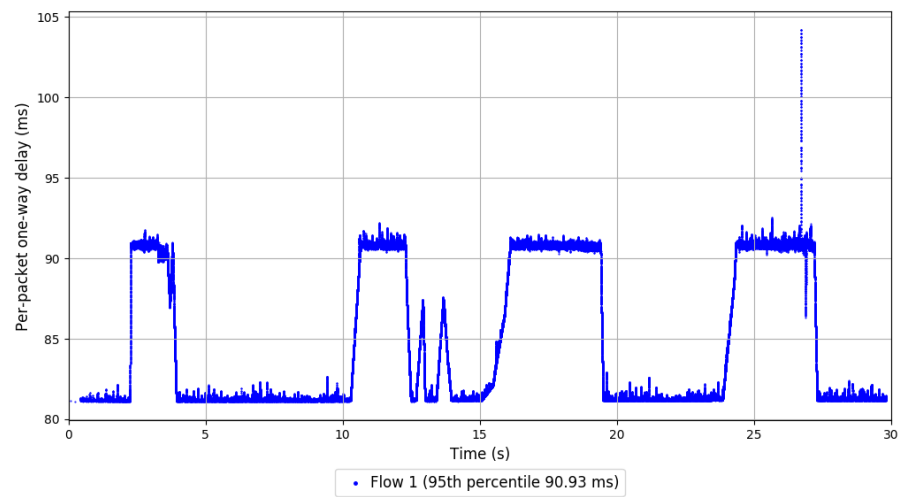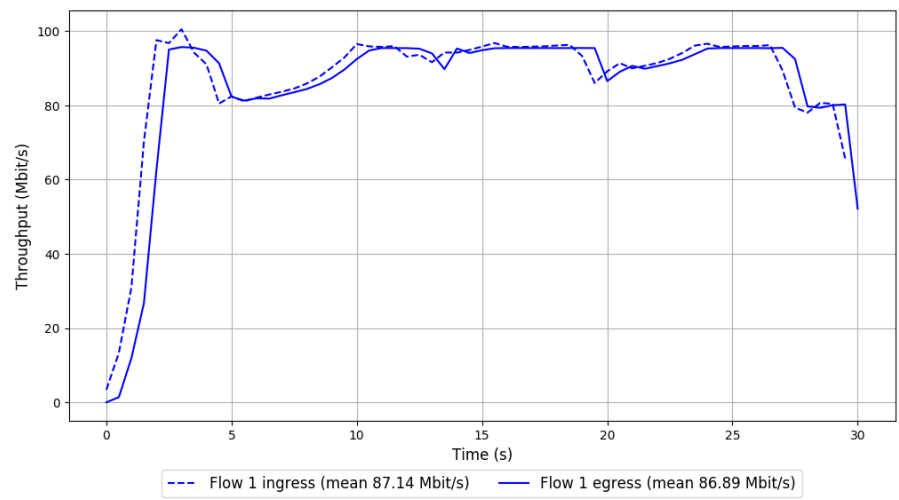

Flow 1 (95th percentile 93.03 ms)

```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 12:17:31
End at: 2018-07-10 12:18:02
Local clock offset: -0.16 ms
Remote clock offset: 13.65 ms

# Below is generated by plot.py at 2018-07-10 15:48:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 90.927 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 90.927 ms
Loss rate: 0.83%
```
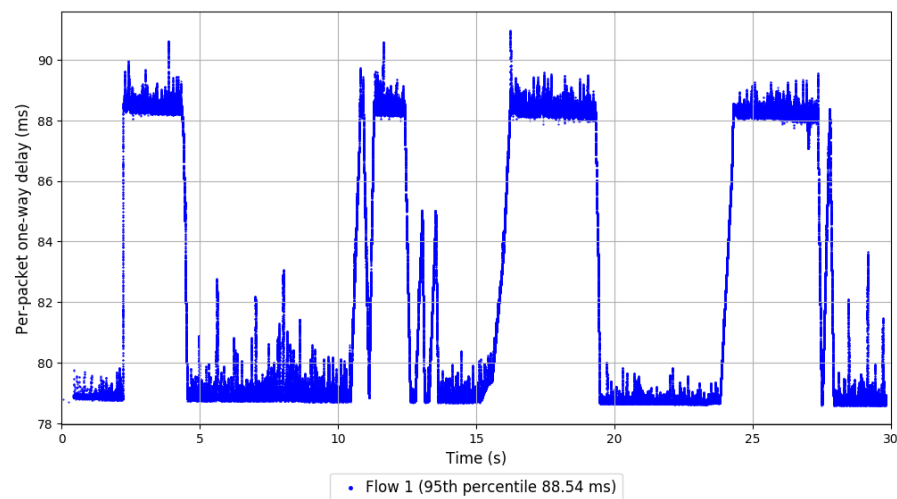
Run 1: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 87.14 Mbit/s)   Flow 1 egress (mean 86.89 Mbit/s)

• Flow 1 (95th percentile 90.93 ms)

```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 12:37:21
End at: 2018-07-10 12:37:51
Local clock offset: -0.256 ms
Remote clock offset: 8.79 ms


# Below is generated by plot.py at 2018-07-10 15:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: 88.541 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: 88.541 ms
Loss rate: 0.73%
```
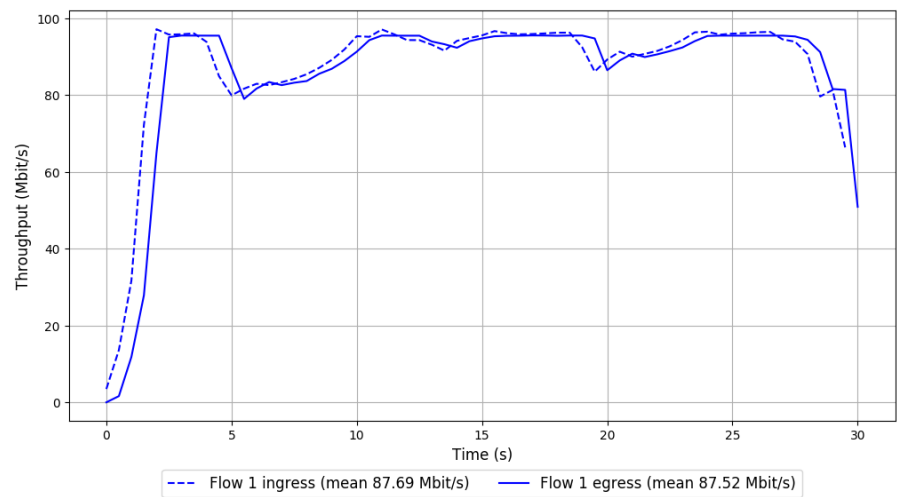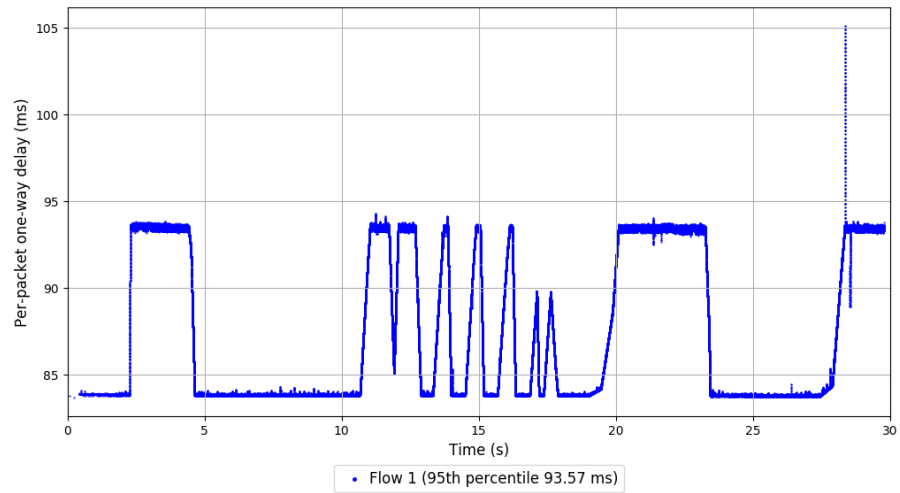
Run 2: Report of PCC-Expr — Data Link

```
Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 12:57:11
End at: 2018-07-10 12:57:41
Local clock offset: -0.213 ms
Remote clock offset: 1.773 ms


# Below is generated by plot.py at 2018-07-10 15:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 93.574 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 93.574 ms
Loss rate: 0.79%
```
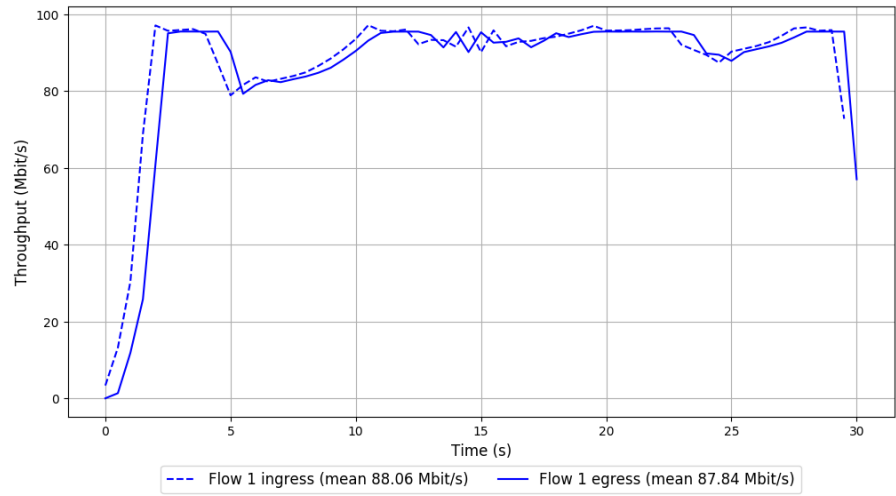
Run 3: Report of PCC-Expr — Data Link

```
Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 13:17:00
End at: 2018-07-10 13:17:30
Local clock offset: -0.265 ms
Remote clock offset: 4.973 ms


# Below is generated by plot.py at 2018-07-10 15:48:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 88.172 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 88.172 ms
Loss rate: 0.76%
```
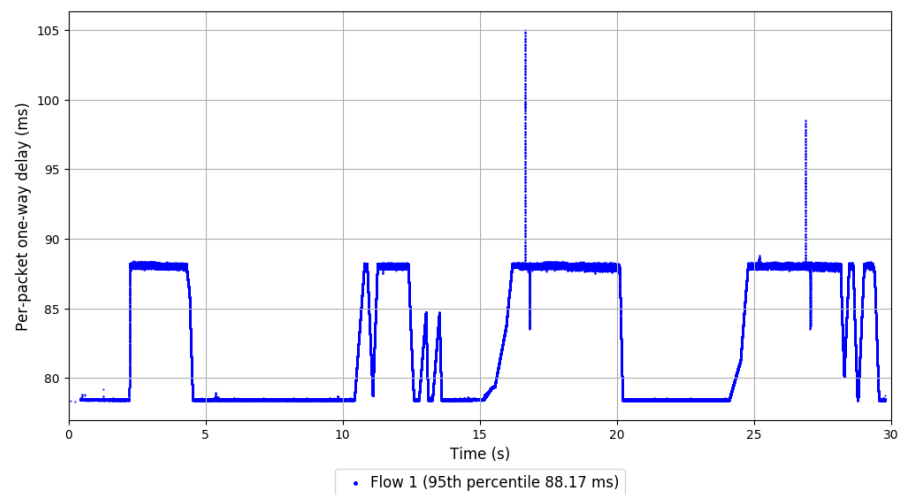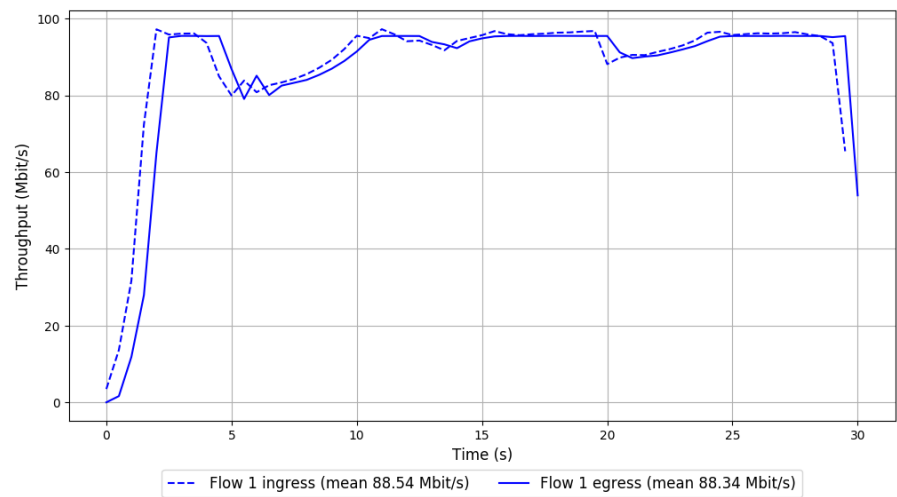
Run 4: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 88.54 Mbit/s)   Flow 1 egress (mean 88.34 Mbit/s)

Flow 1 (95th percentile 88.17 ms)

```
Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 13:36:49
End at: 2018-07-10 13:37:19
Local clock offset: -0.245 ms
Remote clock offset: 6.955 ms


# Below is generated by plot.py at 2018-07-10 15:48:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 128.468 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 128.468 ms
Loss rate: 0.66%
```
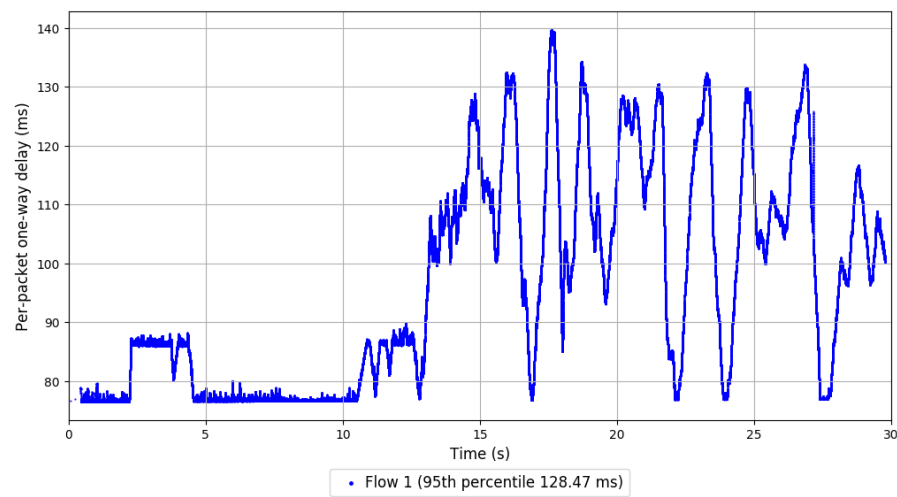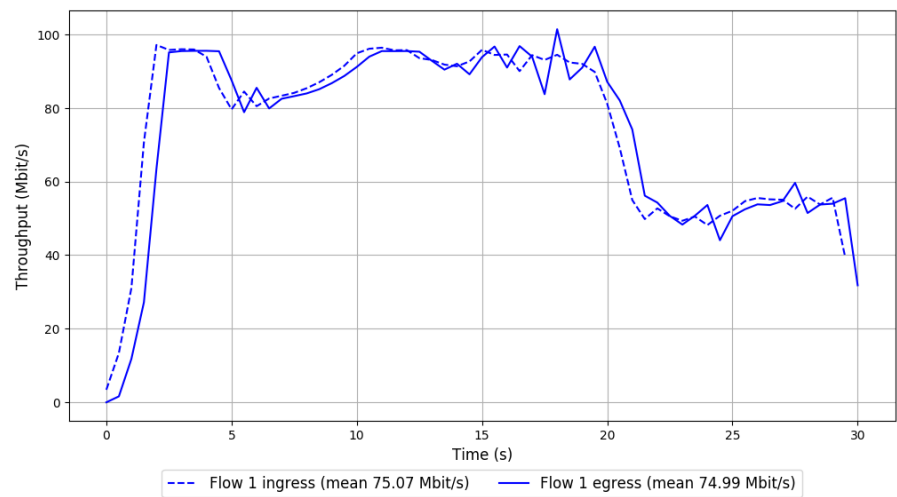
Run 5: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 75.07 Mbit/s)   Flow 1 egress (mean 74.99 Mbit/s)

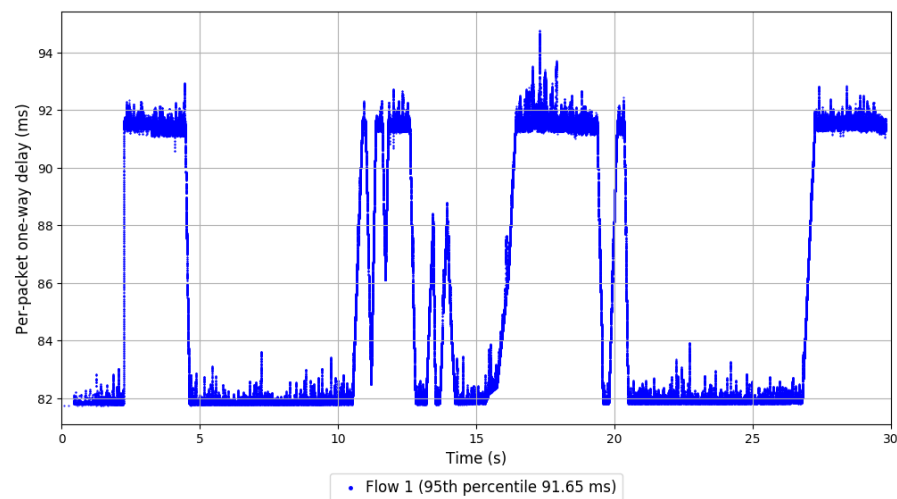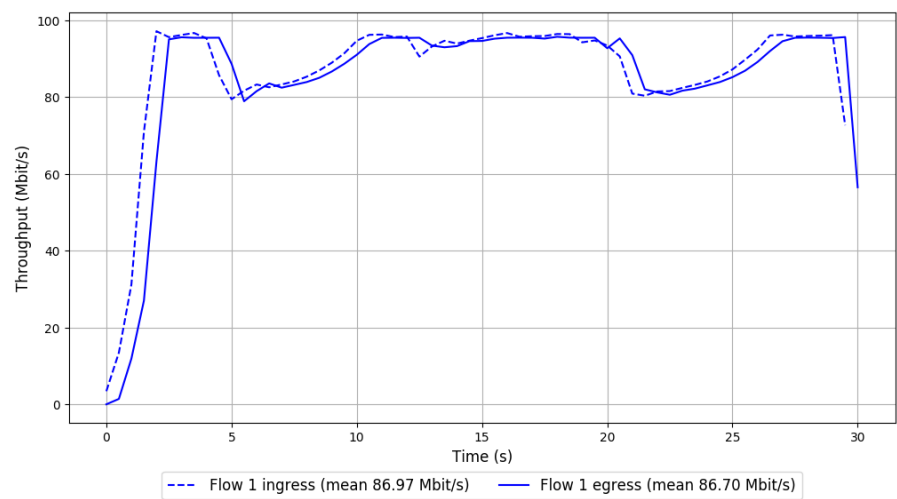
Flow 1 (95th percentile 128.47 ms)

```
Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 13:56:34
End at: 2018-07-10 13:57:04
Local clock offset: -0.143 ms
Remote clock offset: 10.574 ms


# Below is generated by plot.py at 2018-07-10 15:48:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 91.648 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 91.648 ms
Loss rate: 0.85%
```

Run 6: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 86.97 Mbit/s)   Flow 1 egress (mean 86.70 Mbit/s)

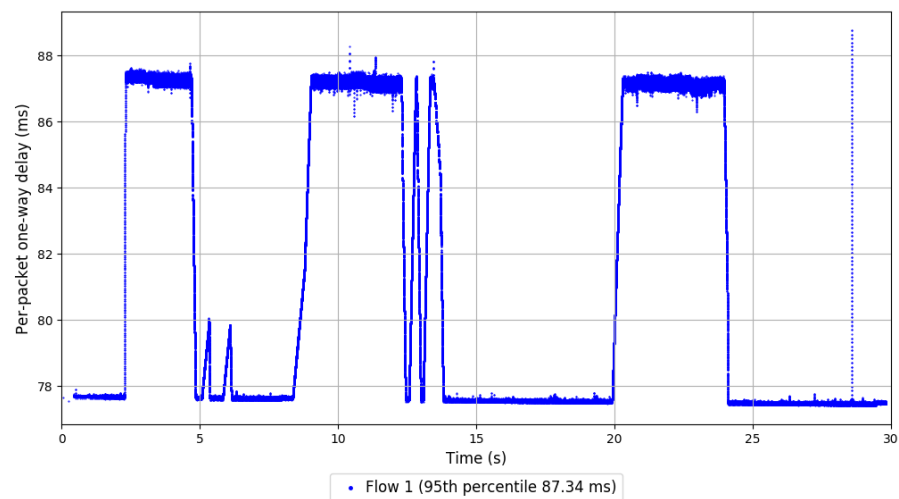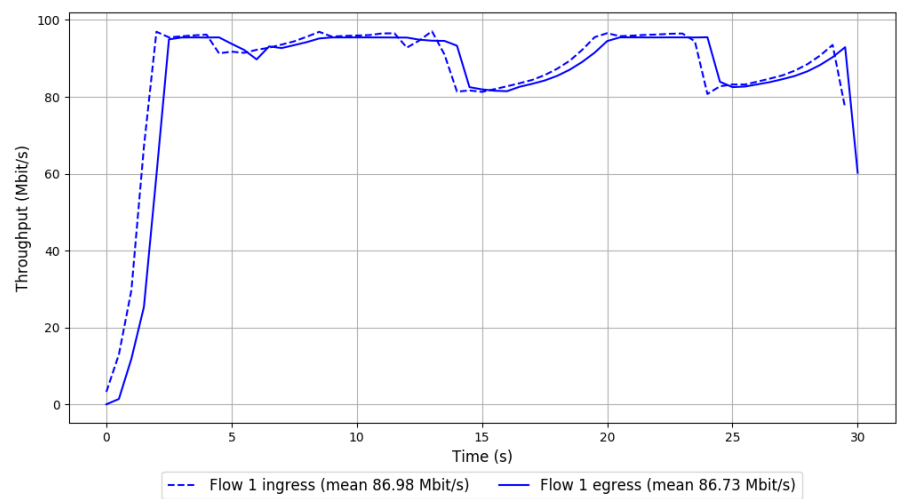Flow 1 (95th percentile 91.65 ms)

```
Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 14:16:24
End at: 2018-07-10 14:16:54
Local clock offset: -0.164 ms
Remote clock offset: 12.217 ms


# Below is generated by plot.py at 2018-07-10 15:49:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 87.337 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 87.337 ms
Loss rate: 0.82%
```
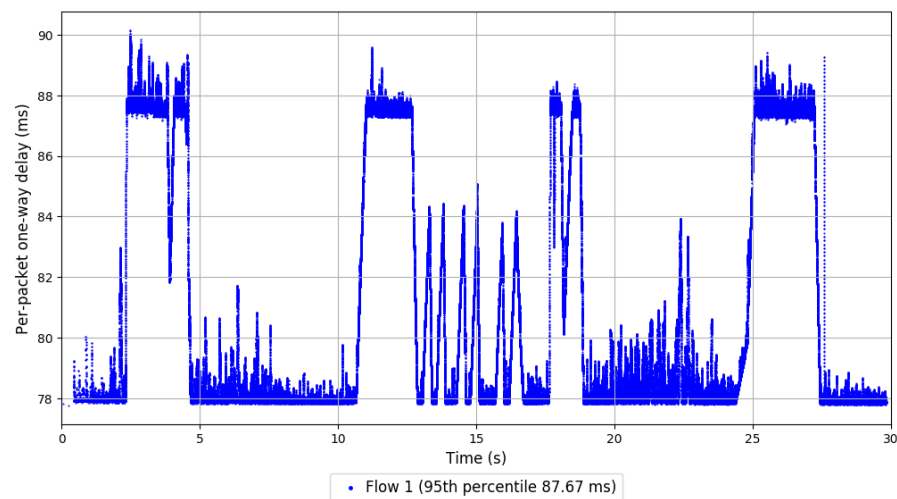
Run 7: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 86.98 Mbit/s)   Flow 1 egress (mean 86.73 Mbit/s)

Flow 1 (95th percentile 87.34 ms)

```
Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 14:36:30
End at: 2018-07-10 14:37:00
Local clock offset: -0.186 ms
Remote clock offset: 8.28 ms


# Below is generated by plot.py at 2018-07-10 15:49:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 87.667 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 87.667 ms
Loss rate: 0.66%
```
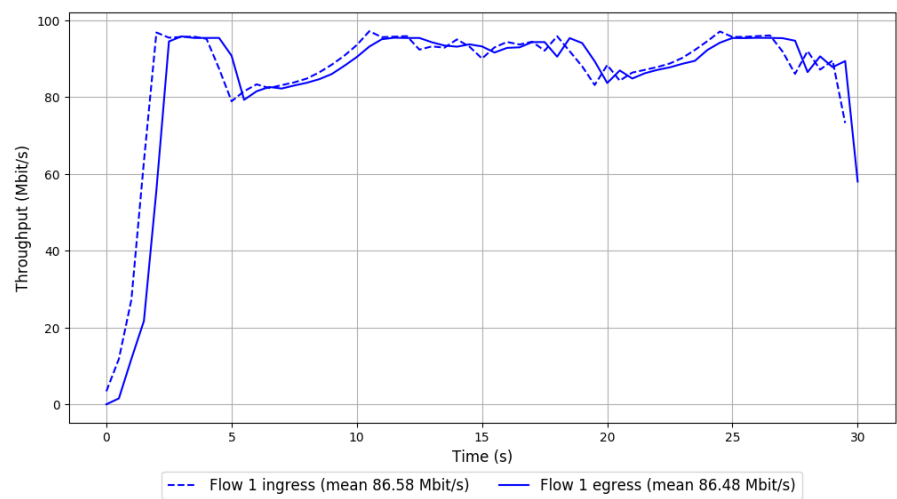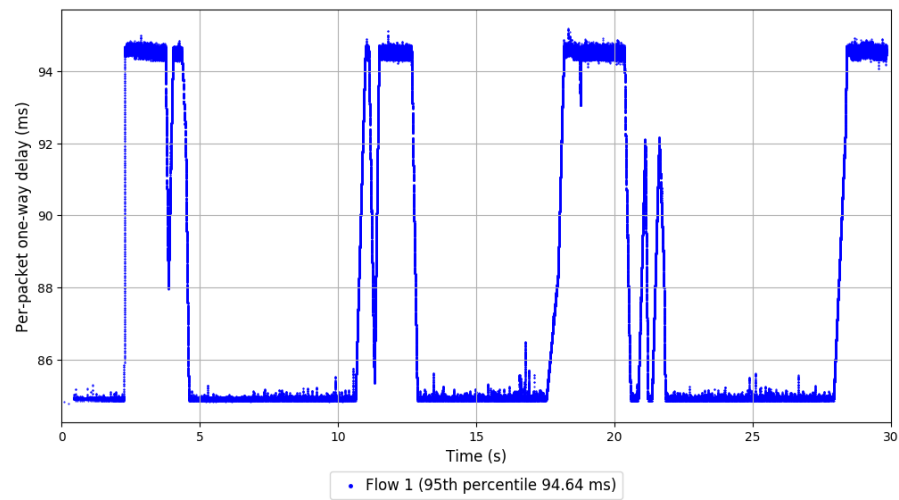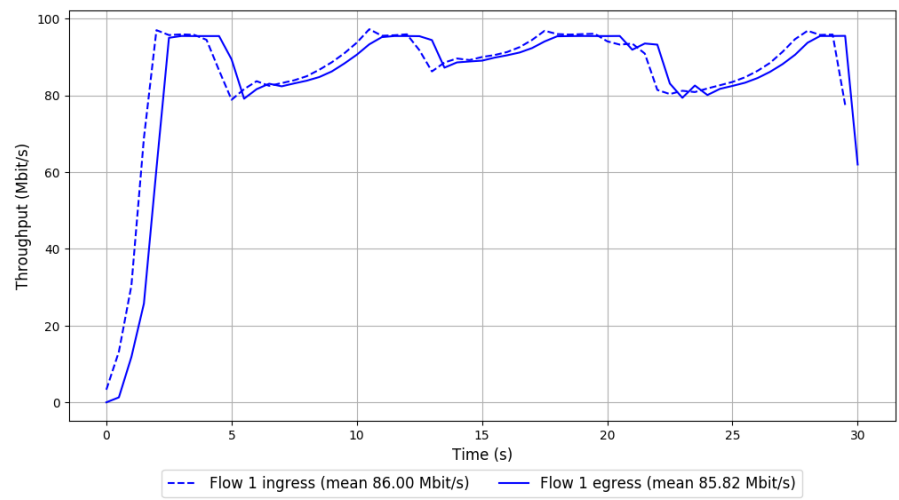
Run 8: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 86.58 Mbit/s)   Flow 1 egress (mean 86.48 Mbit/s)

Flow 1 (95th percentile 87.67 ms)

```
Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 14:56:21
End at: 2018-07-10 14:56:51
Local clock offset: -0.25 ms
Remote clock offset: 3.667 ms


# Below is generated by plot.py at 2018-07-10 15:50:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 94.637 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 94.637 ms
Loss rate: 0.76%
```
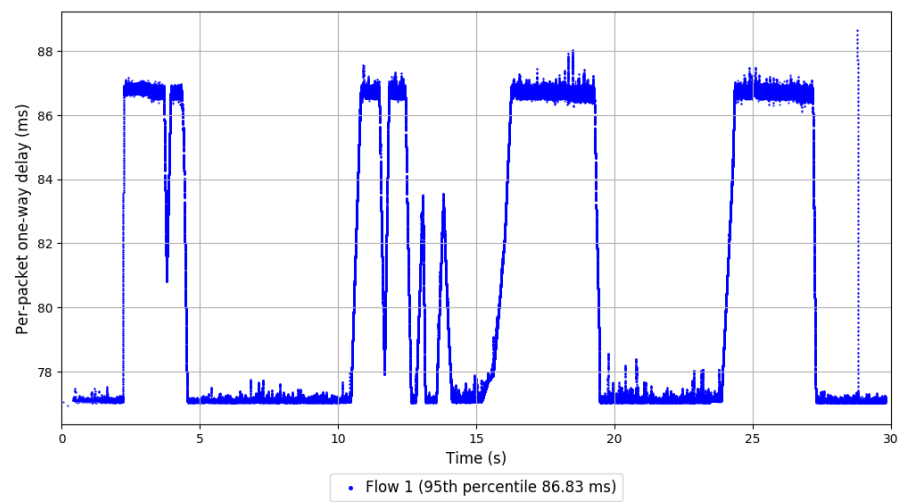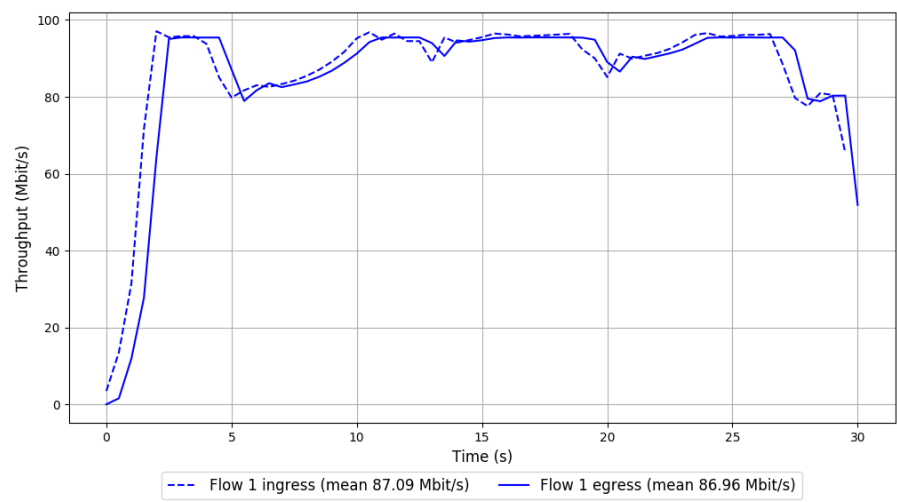
Run 9: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 86.00 Mbit/s) --- Flow 1 egress (mean 85.82 Mbit/s)

Flow 1 (95th percentile 94.64 ms)

```
Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 15:16:11
End at: 2018-07-10 15:16:41
Local clock offset: -0.307 ms
Remote clock offset: 8.952 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 86.835 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 86.835 ms
Loss rate: 0.68%
```
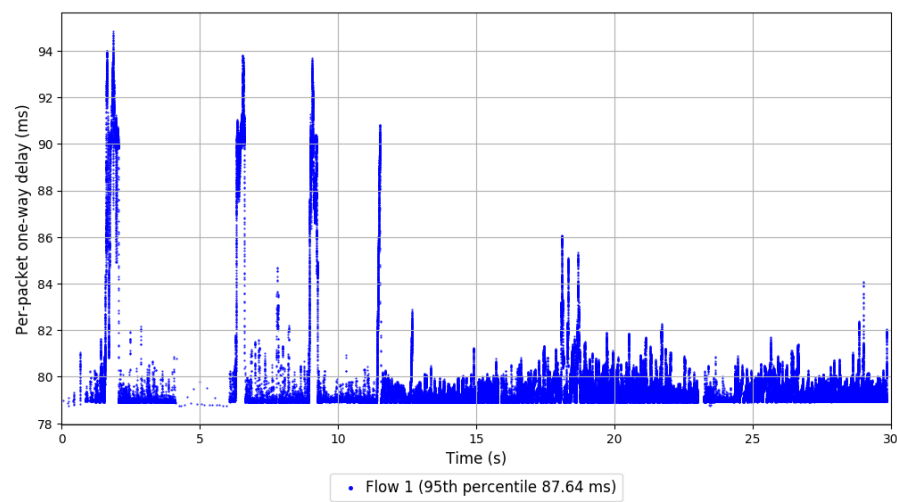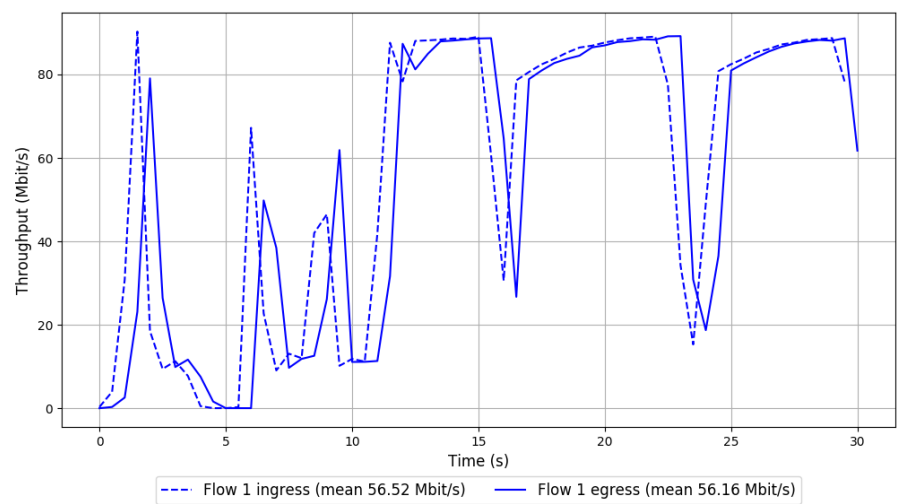
Run 10: Report of PCC-Expr — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 12:25:46
End at: 2018-07-10 12:26:16
Local clock offset: -0.253 ms
Remote clock offset: 16.676 ms

# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 87.637 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 87.637 ms
Loss rate: 1.19%
```
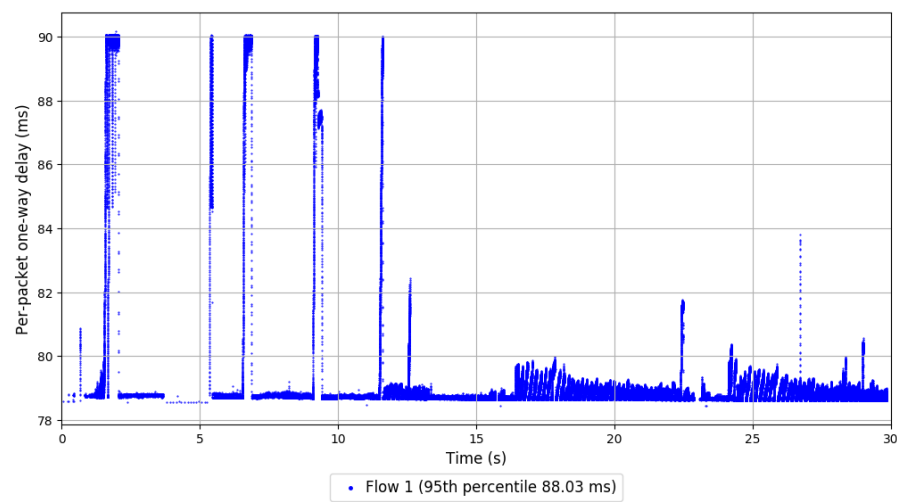
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 12:45:37
End at: 2018-07-10 12:46:07
Local clock offset: -0.259 ms
Remote clock offset: 8.6 ms

# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 88.030 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 88.030 ms
Loss rate: 0.87%
```
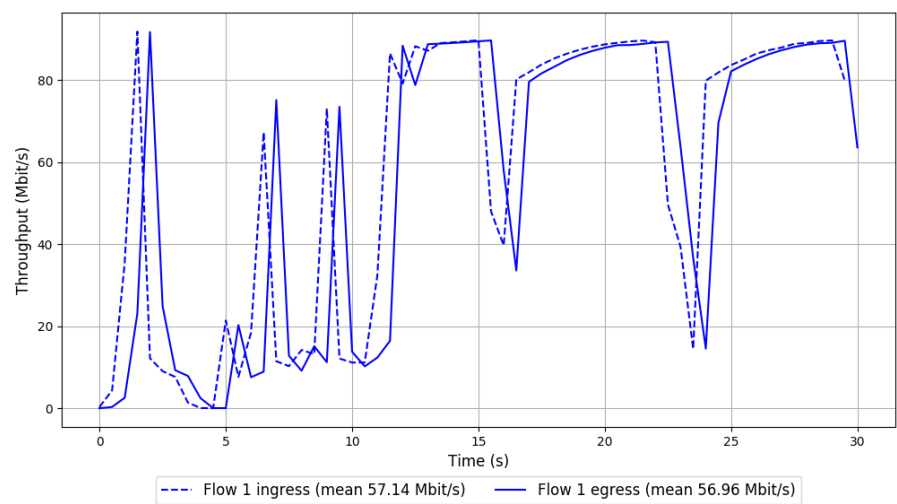
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 13:05:25
End at: 2018-07-10 13:05:56
Local clock offset: -0.242 ms
Remote clock offset: 6.694 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.44 Mbit/s
95th percentile per-packet one-way delay: 84.324 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 58.44 Mbit/s
95th percentile per-packet one-way delay: 84.324 ms
Loss rate: 0.82%
```
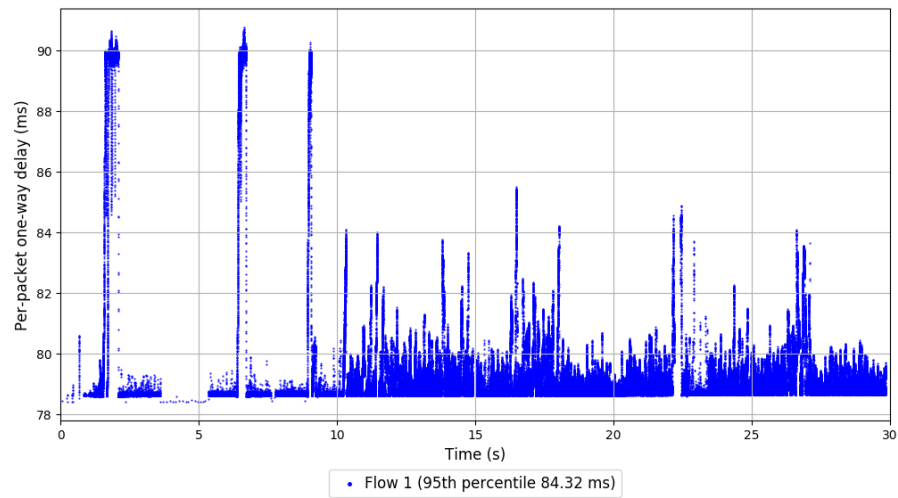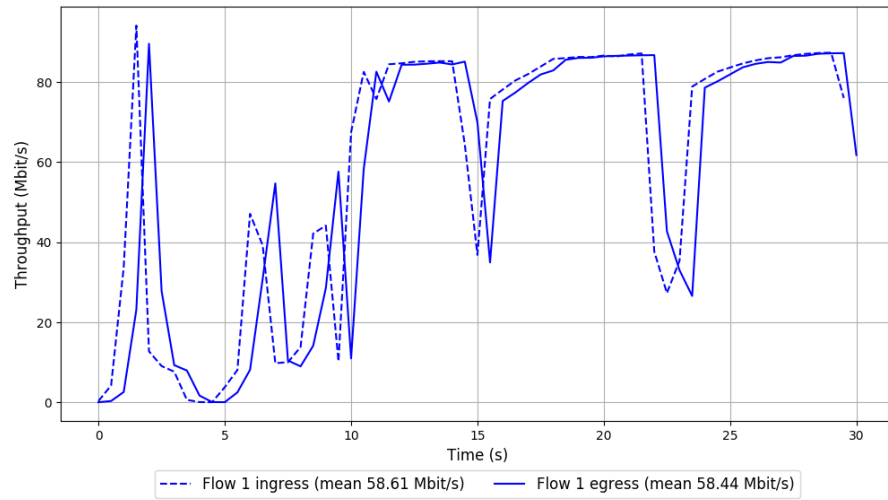
Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 58.61 Mbit/s) --- Flow 1 egress (mean 58.44 Mbit/s)

Flow 1 (95th percentile 84.32 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 13:25:14
End at: 2018-07-10 13:25:44
Local clock offset: -0.201 ms
Remote clock offset: 0.885 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 93.419 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 93.419 ms
Loss rate: 0.87%
```
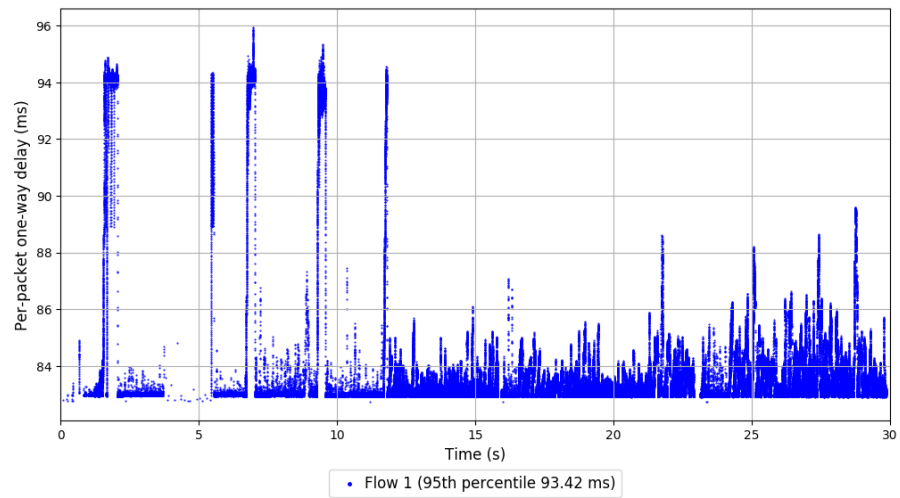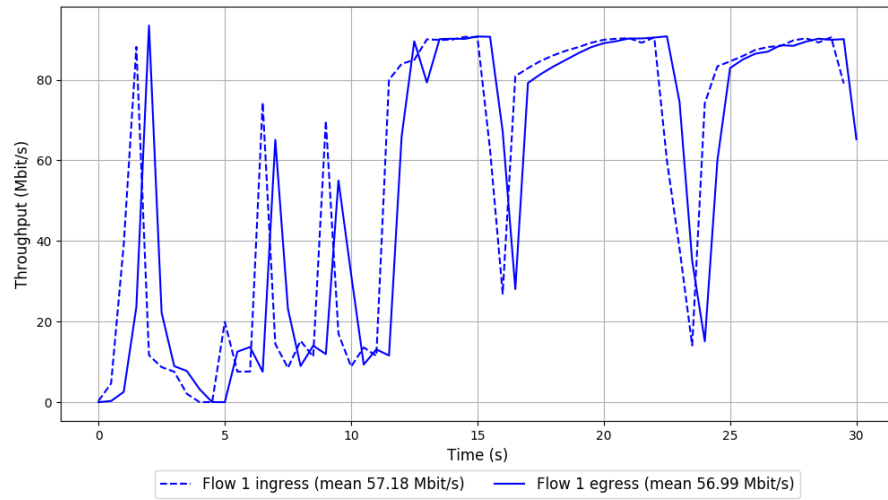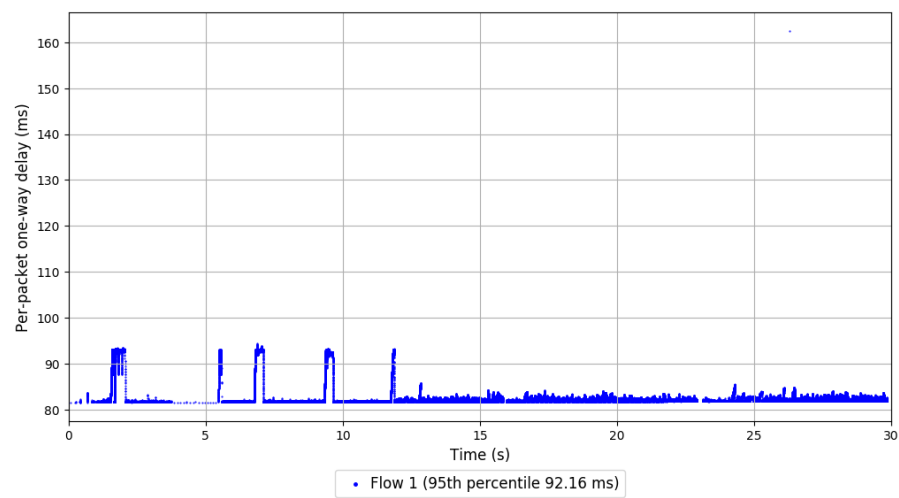
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 57.18 Mbit/s)   Flow 1 egress (mean 56.99 Mbit/s)

Flow 1 (95th percentile 93.42 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 13:44:57
End at: 2018-07-10 13:45:27
Local clock offset: -0.186 ms
Remote clock offset: 7.431 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 92.158 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 92.158 ms
Loss rate: 0.87%
```
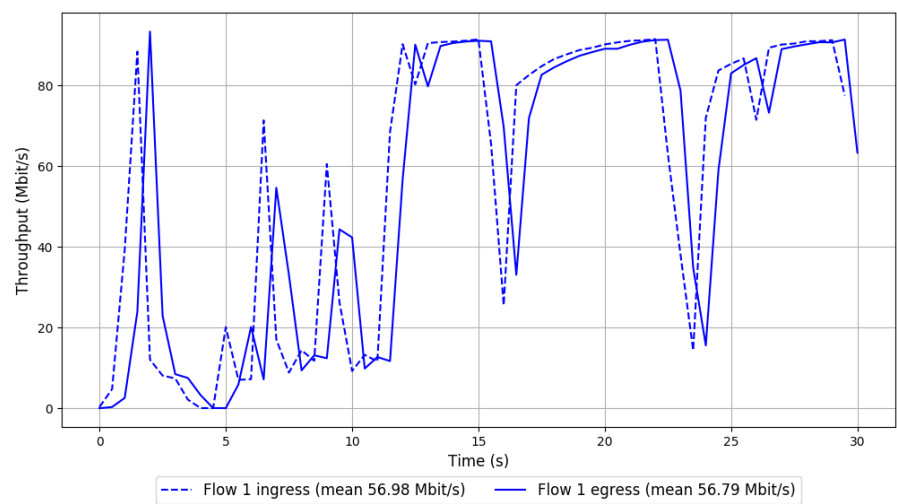
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 56.98 Mbit/s)   Flow 1 egress (mean 56.79 Mbit/s)
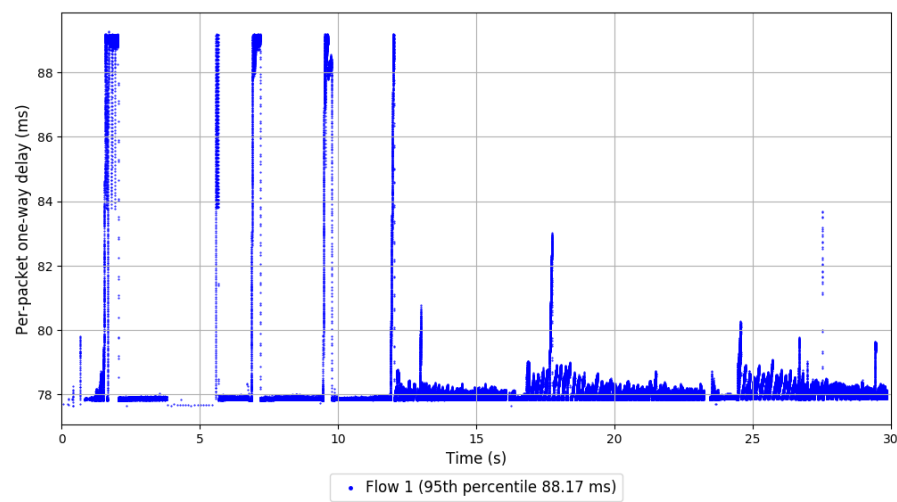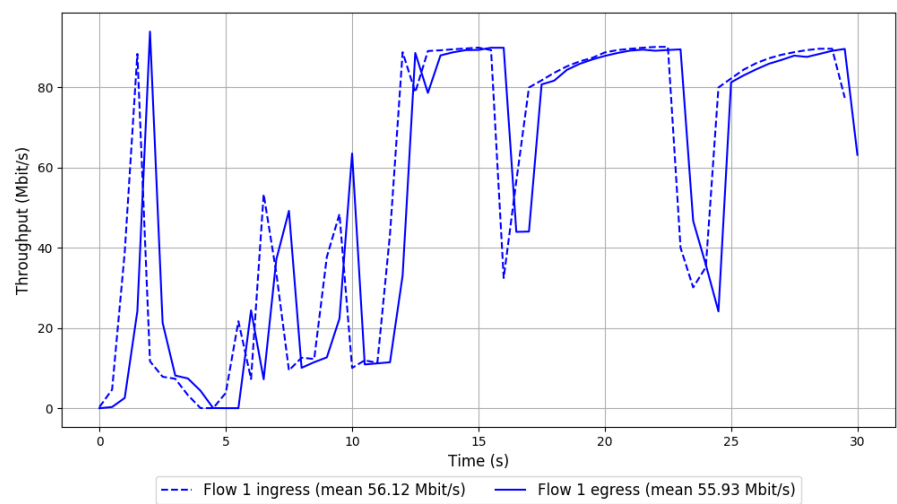

Flow 1 (95th percentile 92.16 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 14:04:49
End at: 2018-07-10 14:05:19
Local clock offset: -0.22 ms
Remote clock offset: 15.448 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 88.172 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 88.172 ms
Loss rate: 0.87%
```
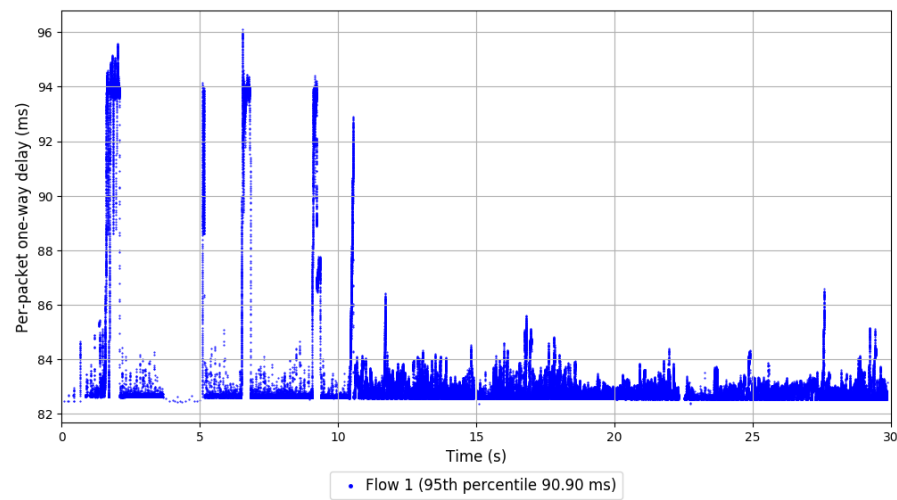
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 56.12 Mbit/s)   Flow 1 egress (mean 55.93 Mbit/s)

Flow 1 (95th percentile 88.17 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 14:24:44
End at: 2018-07-10 14:25:14
Local clock offset: -0.144 ms
Remote clock offset: 4.821 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.96 Mbit/s
95th percentile per-packet one-way delay: 90.904 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 57.96 Mbit/s
95th percentile per-packet one-way delay: 90.904 ms
Loss rate: 0.81%
```
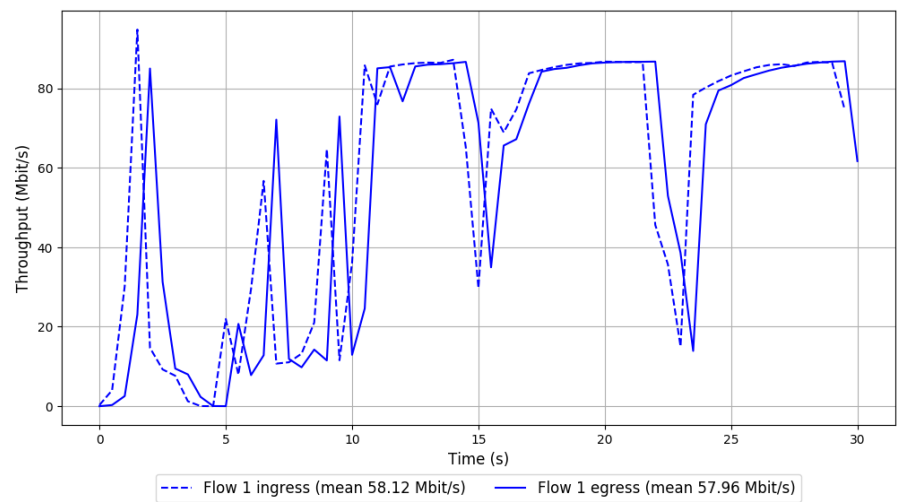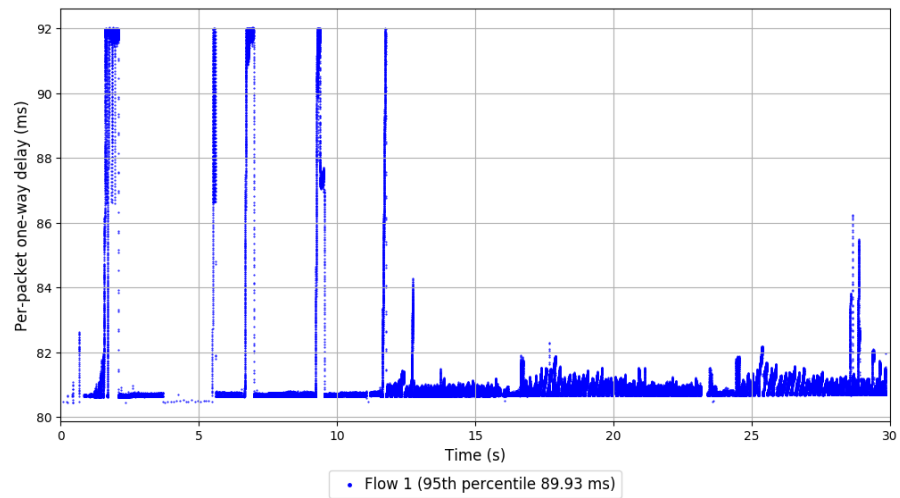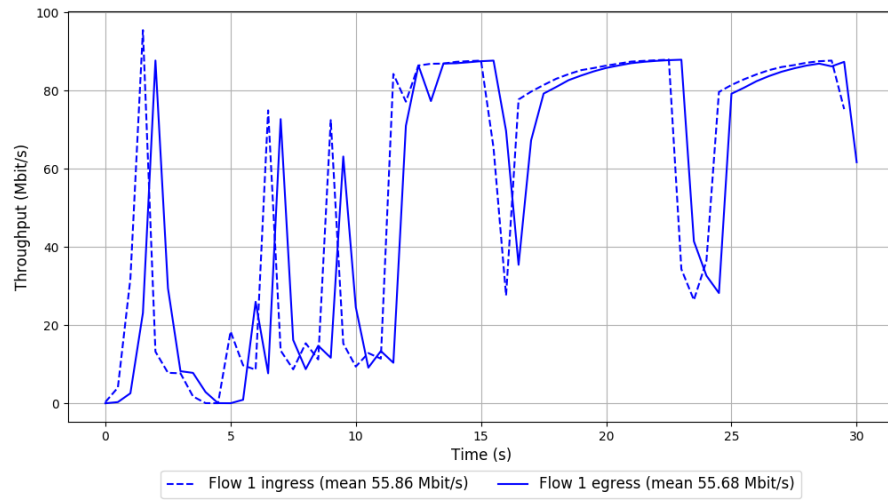
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 58.12 Mbit/s) ----- Flow 1 egress (mean 57.96 Mbit/s) ——

Flow 1 (95th percentile 90.90 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 14:44:46
End at: 2018-07-10 14:45:16
Local clock offset: -0.179 ms
Remote clock offset: 7.684 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.68 Mbit/s
95th percentile per-packet one-way delay: 89.930 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 55.68 Mbit/s
95th percentile per-packet one-way delay: 89.930 ms
Loss rate: 0.87%
```
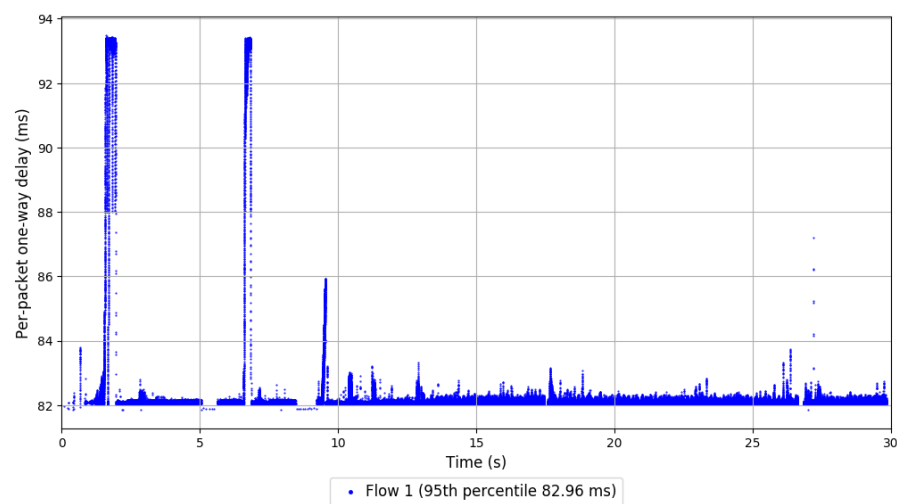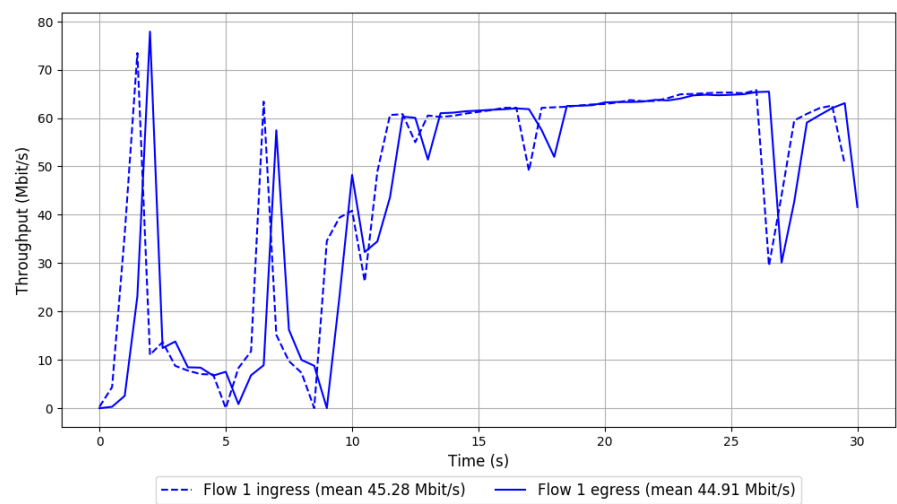
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 55.86 Mbit/s) — Flow 1 egress (mean 55.68 Mbit/s)

• Flow 1 (95th percentile 89.93 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 15:04:36
End at: 2018-07-10 15:05:06
Local clock offset: -0.248 ms
Remote clock offset: 5.038 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 82.962 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 82.962 ms
Loss rate: 1.35%
```
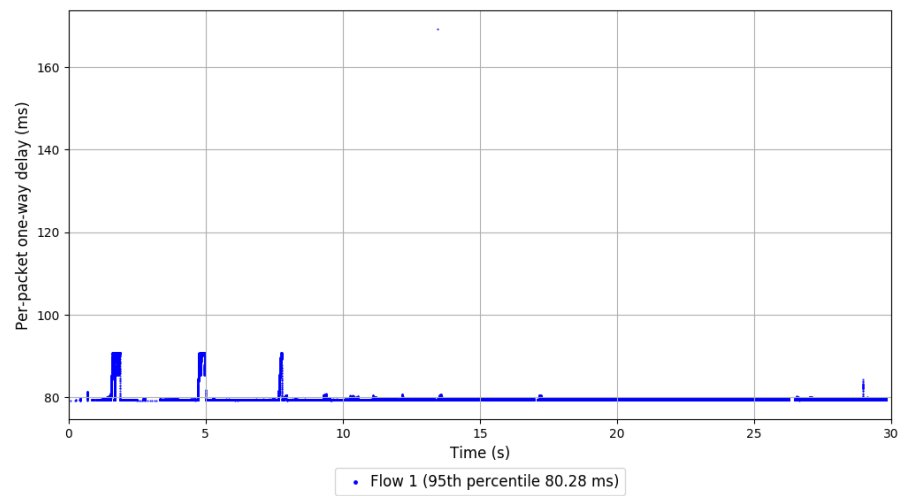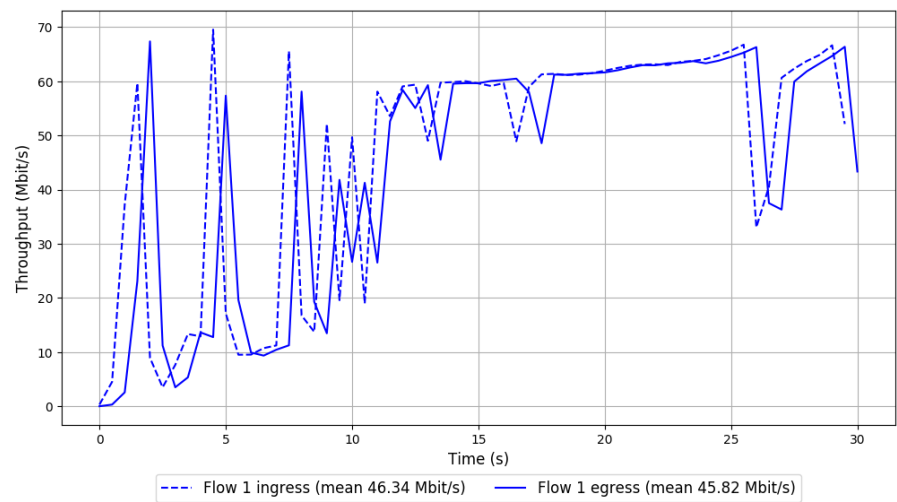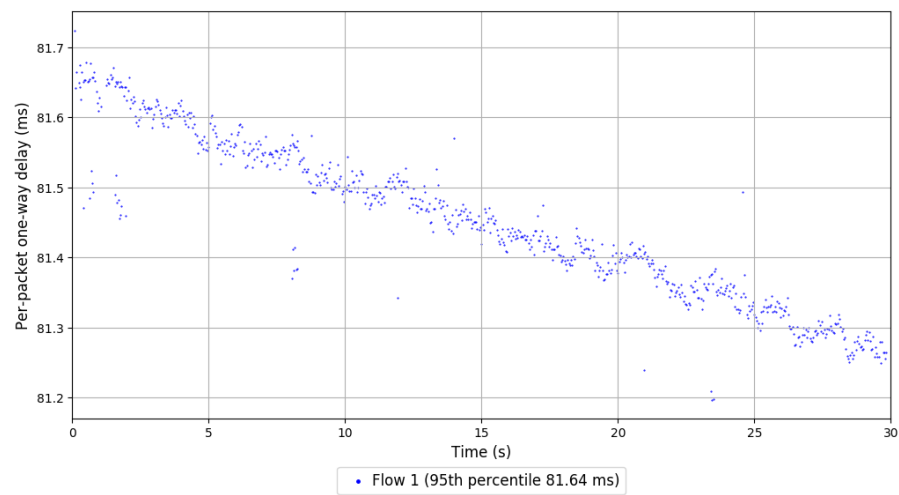
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 45.28 Mbit/s) — — — Flow 1 egress (mean 44.91 Mbit/s)

Flow 1 (95th percentile 82.96 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 15:24:28
End at: 2018-07-10 15:24:58
Local clock offset: -0.223 ms
Remote clock offset: 10.094 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 80.280 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 80.280 ms
Loss rate: 1.68%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 46.34 Mbit/s)   Flow 1 egress (mean 45.82 Mbit/s)
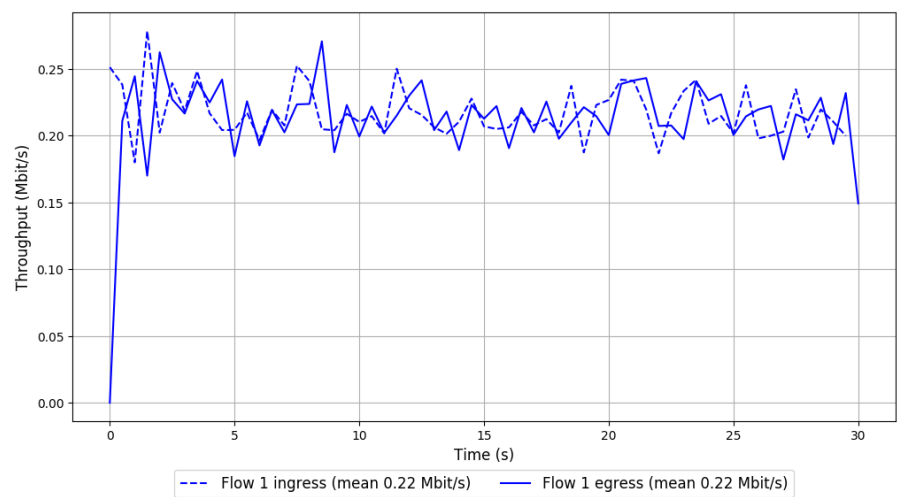

Flow 1 (95th percentile 80.28 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-07-10 12:30:28
End at: 2018-07-10 12:30:58
Local clock offset: -0.252 ms
Remote clock offset: 9.746 ms

# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.638 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.638 ms
Loss rate: 0.64%
```
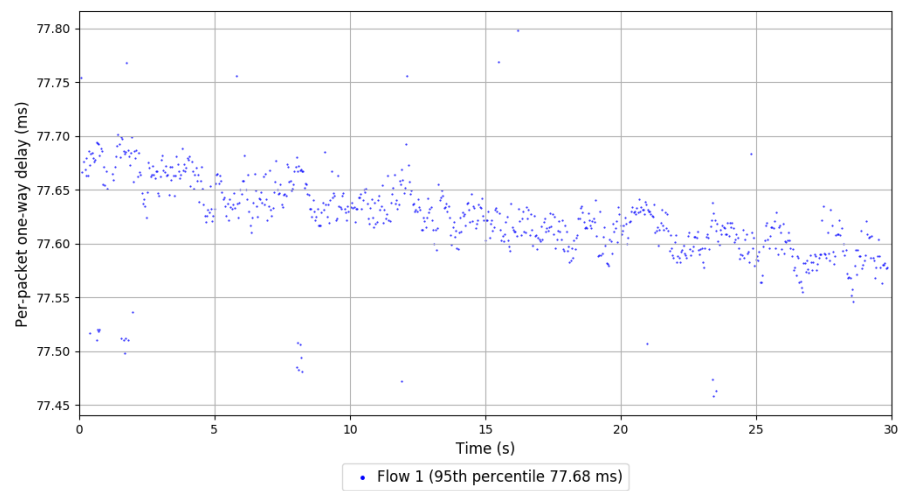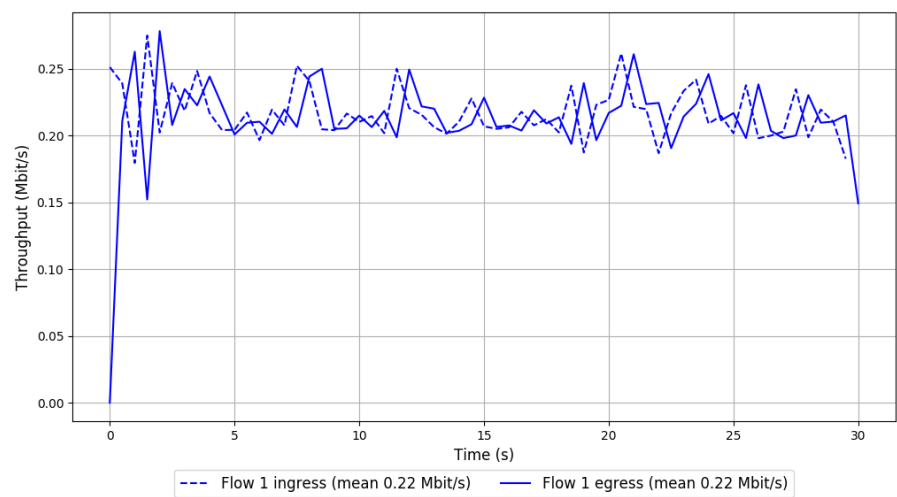
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2018-07-10 12:50:18
End at: 2018-07-10 12:50:48
Local clock offset: -0.201 ms
Remote clock offset: 6.704 ms

# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.681 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.681 ms
Loss rate: 0.51%
```
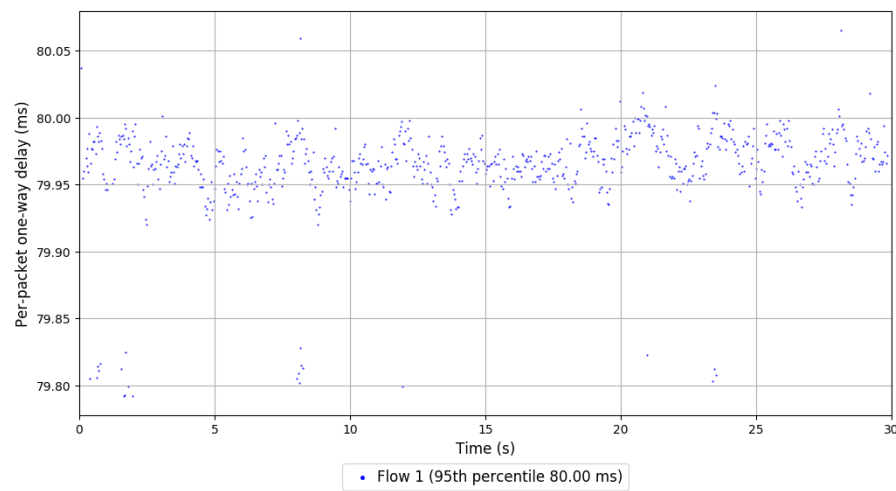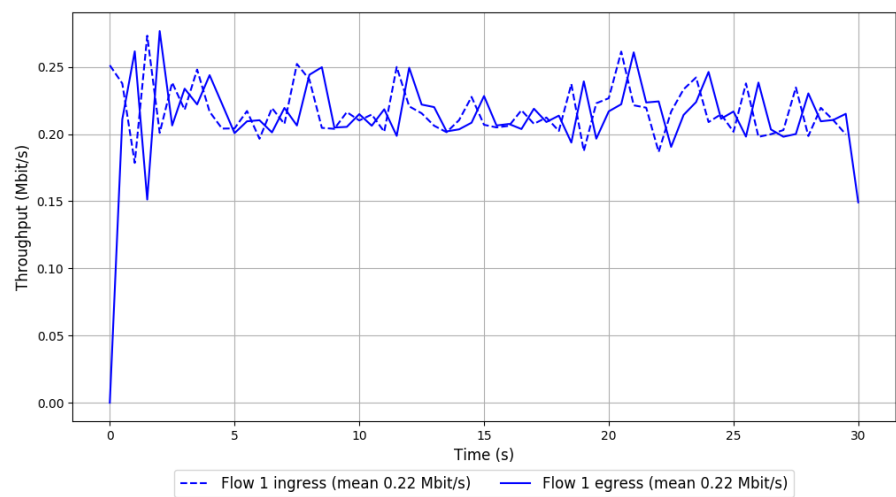
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2018-07-10 13:10:07
End at: 2018-07-10 13:10:37
Local clock offset: -0.221 ms
Remote clock offset: 5.978 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.995 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.995 ms
Loss rate: 0.64%
```
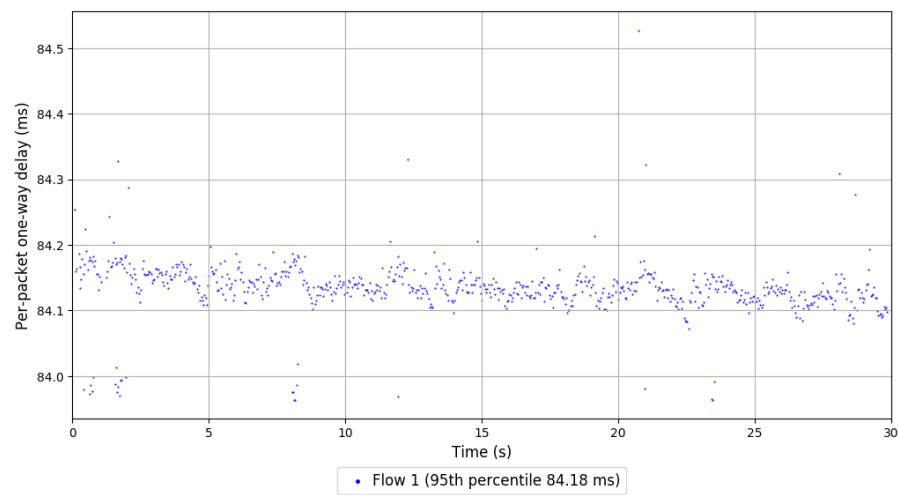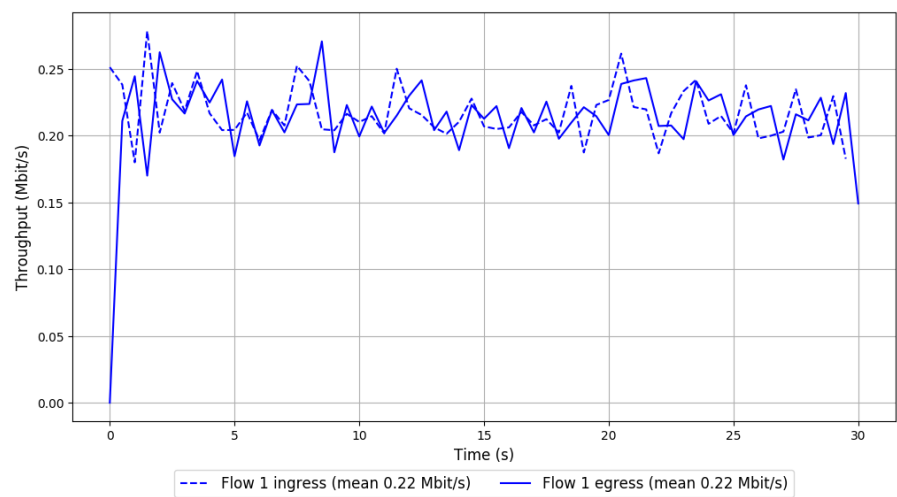
Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 80.00 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-07-10 13:29:56
End at: 2018-07-10 13:30:26
Local clock offset: -0.227 ms
Remote clock offset: 1.769 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.176 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.176 ms
Loss rate: 0.51%
```

Run 4: Report of SCReAM — Data Link

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

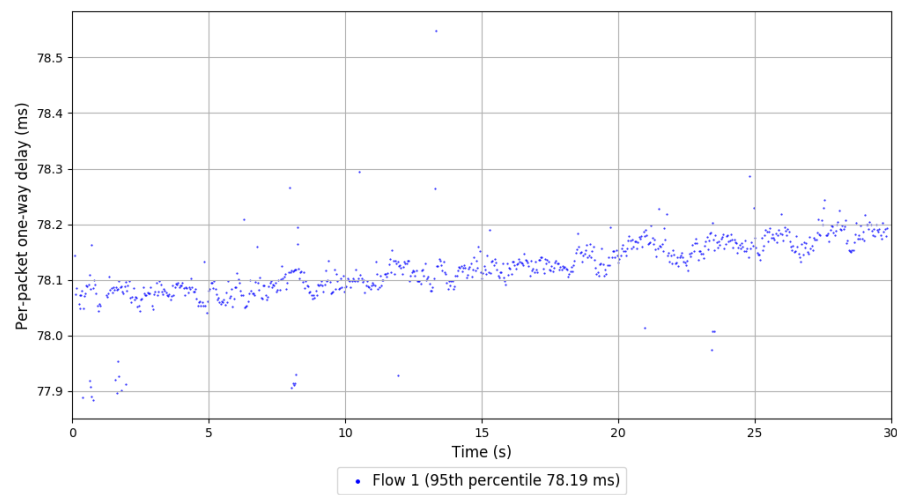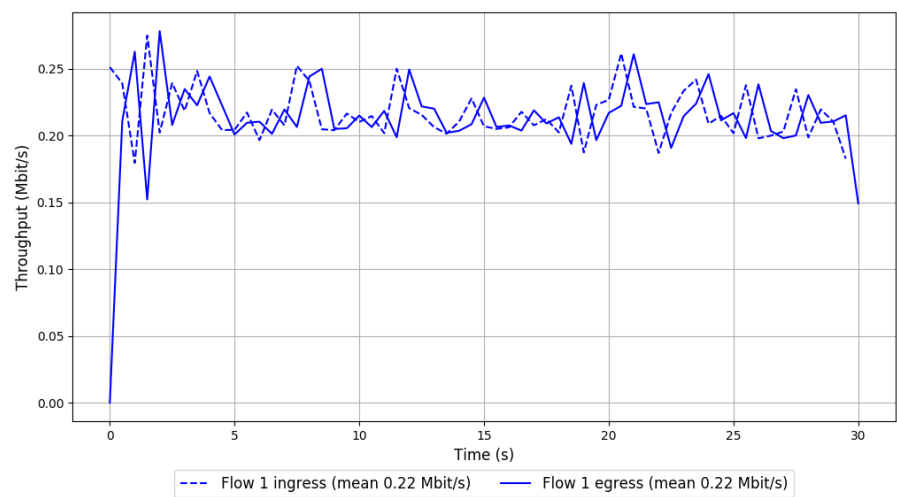Flow 1 (95th percentile 84.18 ms)

```
Run 5: Statistics of SCReAM

Start at: 2018-07-10 13:49:40
End at: 2018-07-10 13:50:10
Local clock offset: -0.213 ms
Remote clock offset: 13.045 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.193 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.193 ms
Loss rate: 0.51%
```

Run 5: Report of SCReAM — Data Link

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

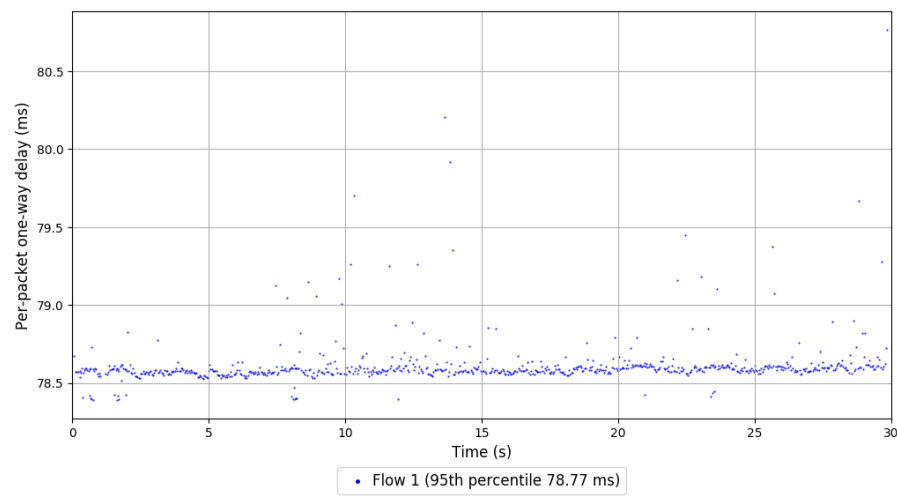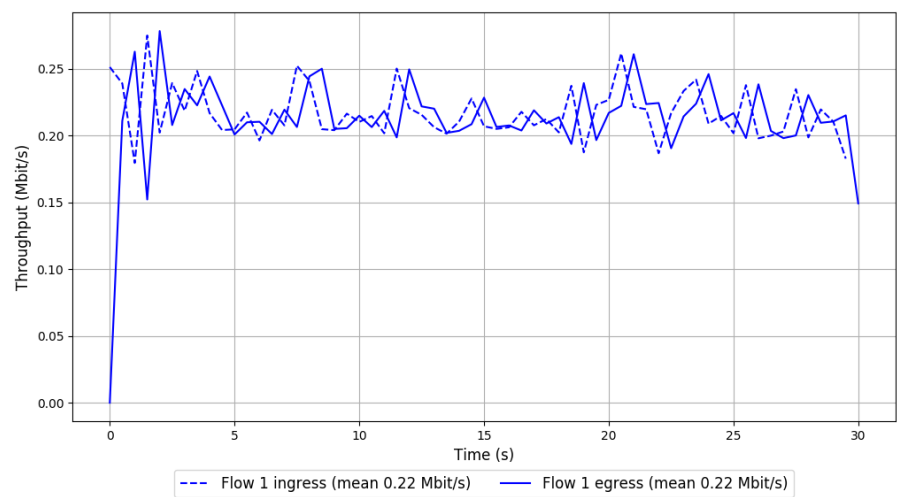Flow 1 (95th percentile 78.19 ms)

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```
Run 6: Statistics of SCReAM

Start at: 2018-07-10 14:09:31
End at: 2018-07-10 14:10:01
Local clock offset: -0.142 ms
Remote clock offset: 14.911 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.772 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.772 ms
Loss rate: 0.51%
```
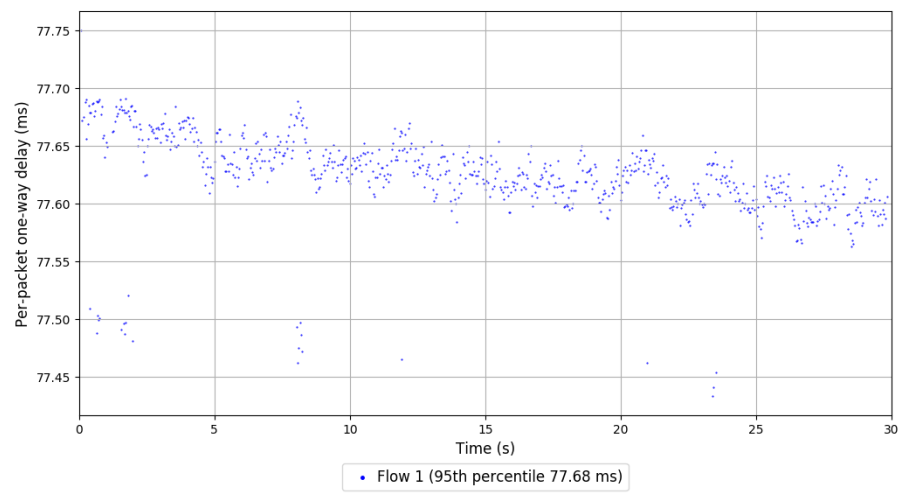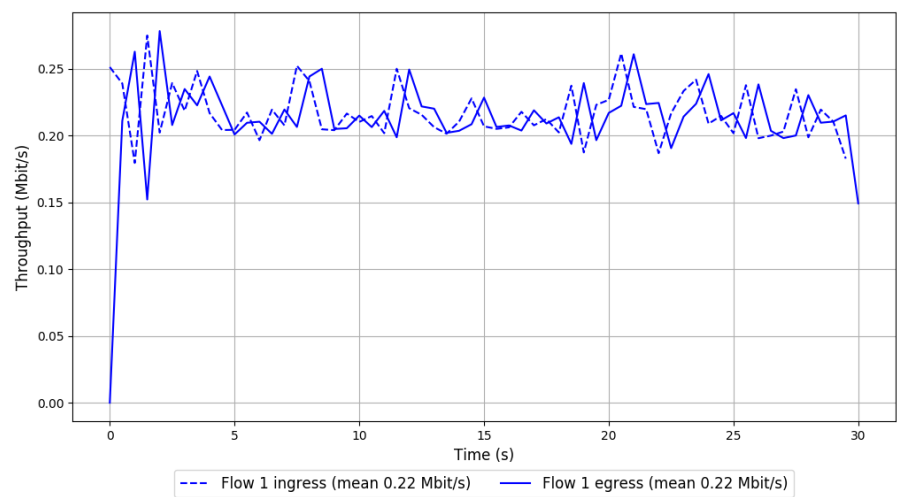
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 78.77 ms)

```
Run 7: Statistics of SCReAM

Start at: 2018-07-10 14:29:27
End at: 2018-07-10 14:29:57
Local clock offset: -0.138 ms
Remote clock offset: 9.186 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.676 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.676 ms
Loss rate: 0.51%
```
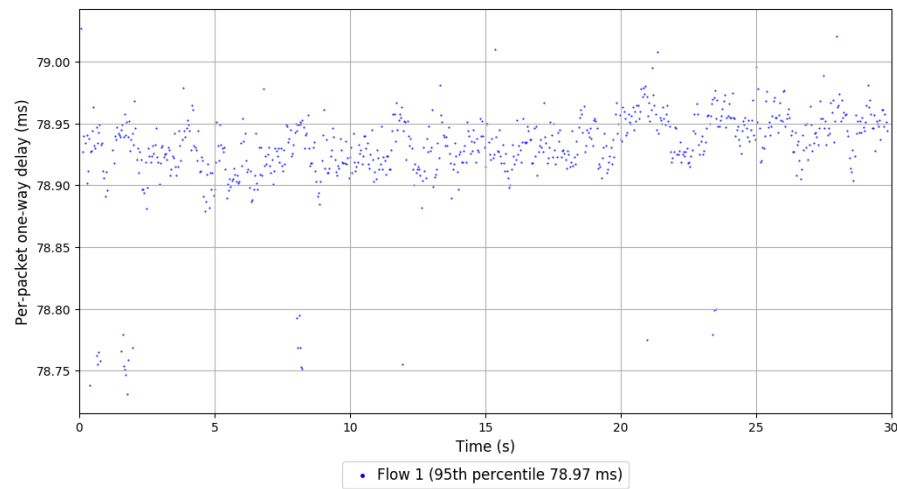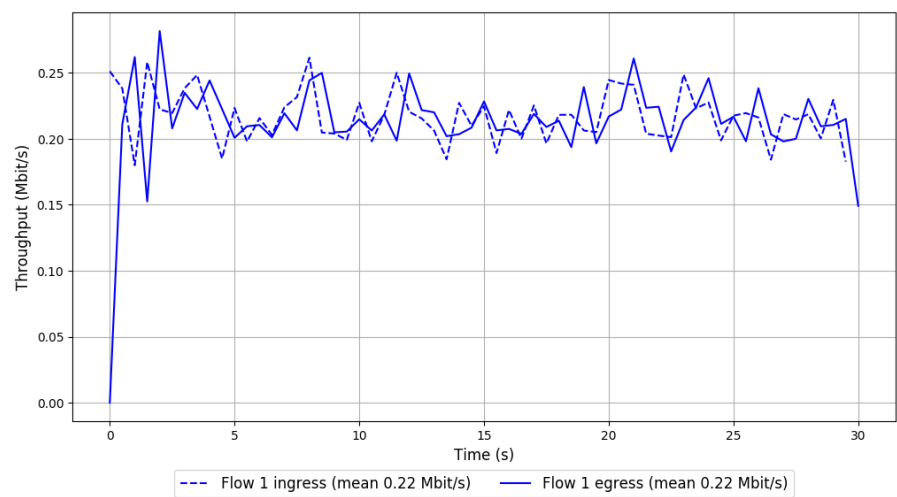
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2018-07-10 14:49:27
End at: 2018-07-10 14:49:57
Local clock offset: -0.21 ms
Remote clock offset: 9.474 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.968 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.968 ms
Loss rate: 0.51%
```
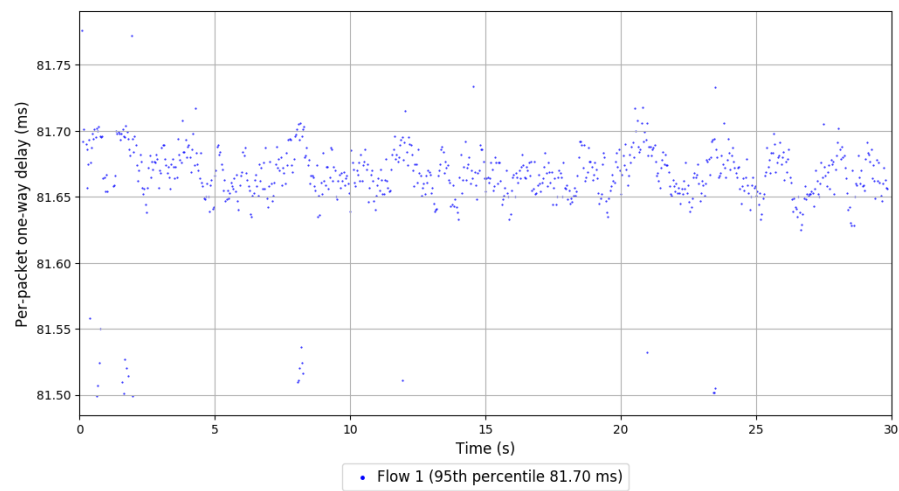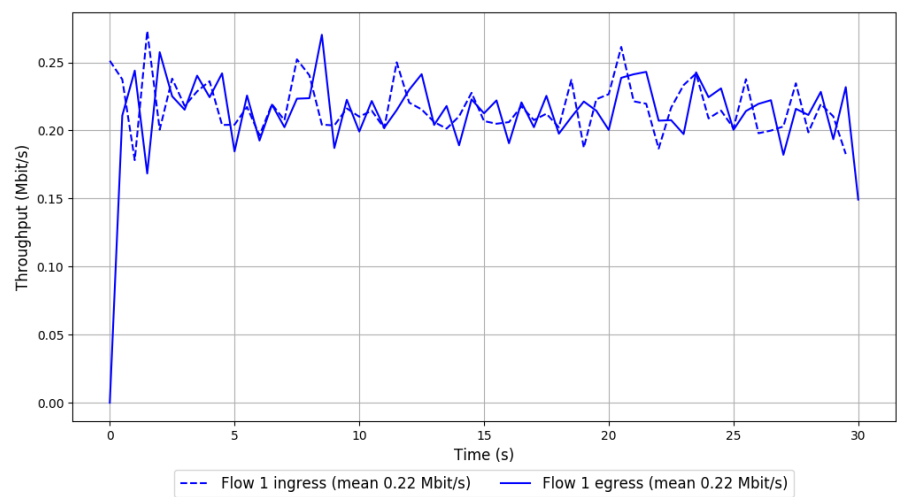
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 78.97 ms)

```
Run 9: Statistics of SCReAM

Start at: 2018-07-10 15:09:17
End at: 2018-07-10 15:09:47
Local clock offset: -0.242 ms
Remote clock offset: 5.082 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.697 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.697 ms
Loss rate: 0.51%
```
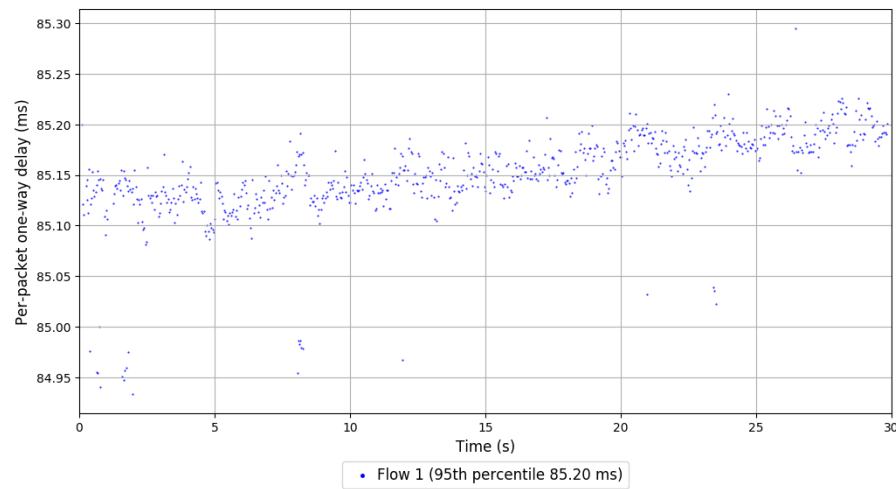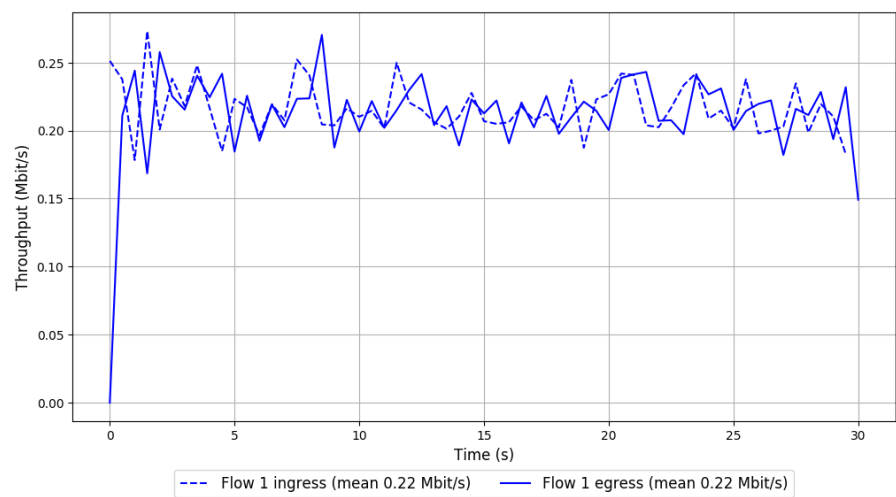
Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 81.70 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-07-10 15:29:29
End at: 2018-07-10 15:29:59
Local clock offset: -0.29 ms
Remote clock offset: 7.419 ms

# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.205 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.205 ms
Loss rate: 0.51%
```
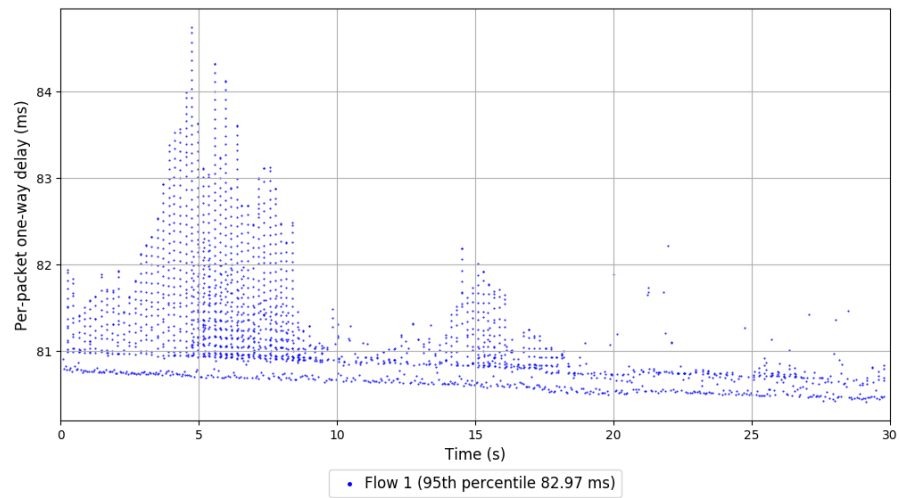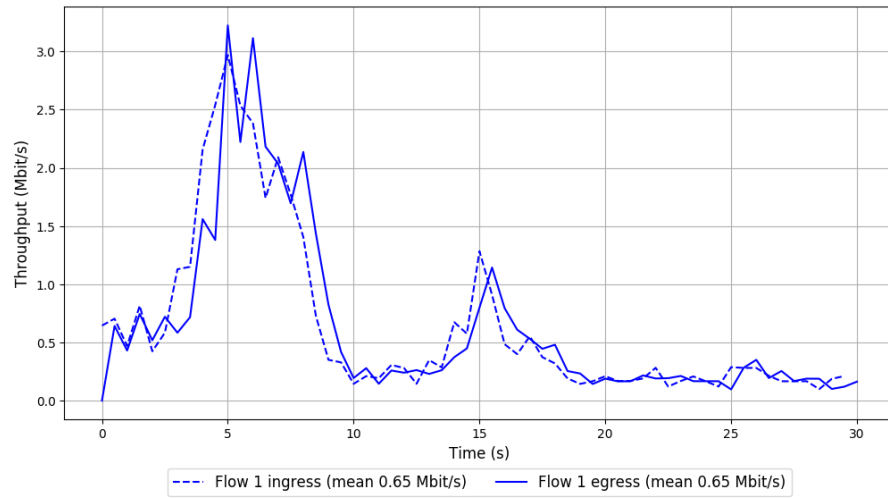
Run 10: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 85.20 ms)

```
Run 1: Statistics of Sprout

Start at: 2018-07-10 12:31:34
End at: 2018-07-10 12:32:04
Local clock offset: -0.187 ms
Remote clock offset: 11.77 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 82.970 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 82.970 ms
Loss rate: 0.30%
```
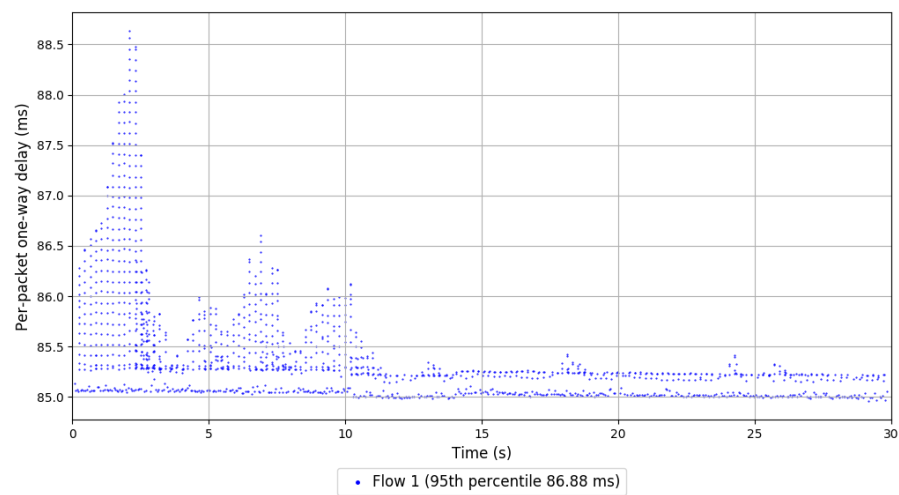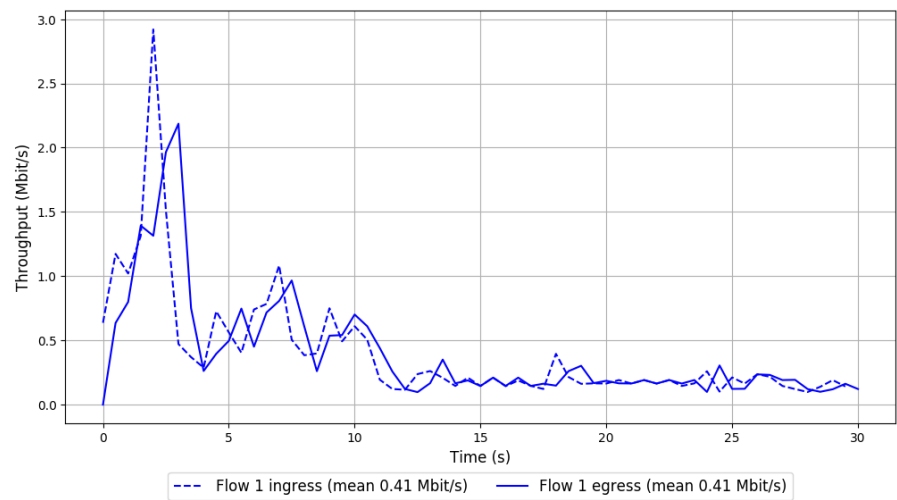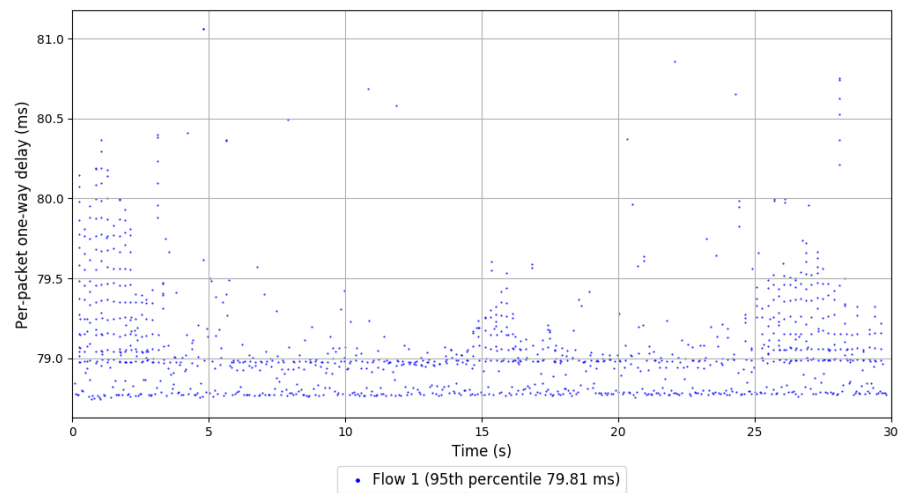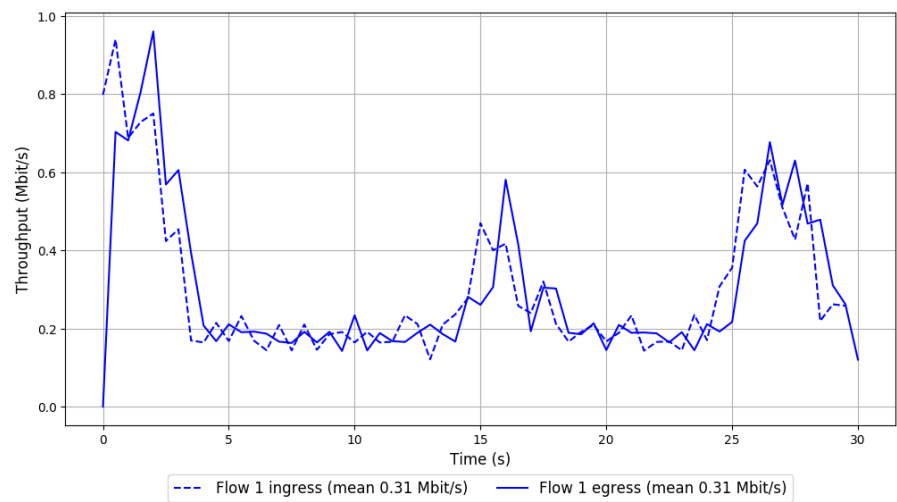
Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 0.65 Mbit/s)   Flow 1 egress (mean 0.65 Mbit/s)

Flow 1 (95th percentile 82.97 ms)

```
Run 2: Statistics of Sprout

Start at: 2018-07-10 12:51:25
End at: 2018-07-10 12:51:55
Local clock offset: -0.208 ms
Remote clock offset: 1.513 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.876 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.876 ms
Loss rate: 0.28%
```

Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 0.41 Mbit/s)   Flow 1 egress (mean 0.41 Mbit/s)

Flow 1 (95th percentile 86.88 ms)

```
Run 3: Statistics of Sprout

Start at: 2018-07-10 13:11:14
End at: 2018-07-10 13:11:44
Local clock offset: -0.281 ms
Remote clock offset: 5.013 ms

# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 79.809 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 79.809 ms
Loss rate: 0.77%
```
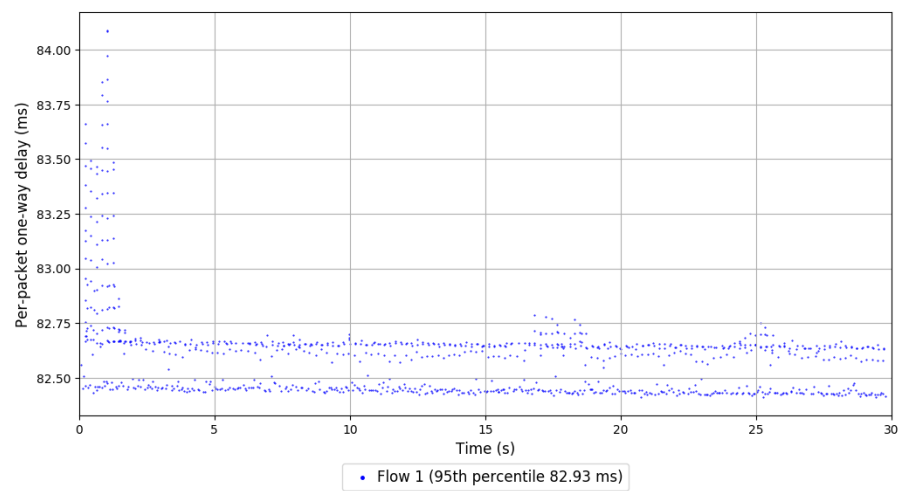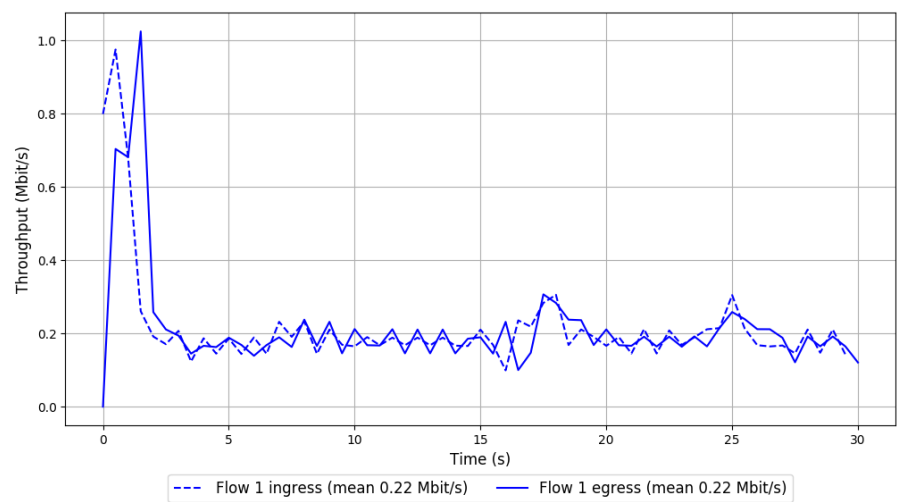
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 0.31 Mbit/s) --- Flow 1 egress (mean 0.31 Mbit/s)

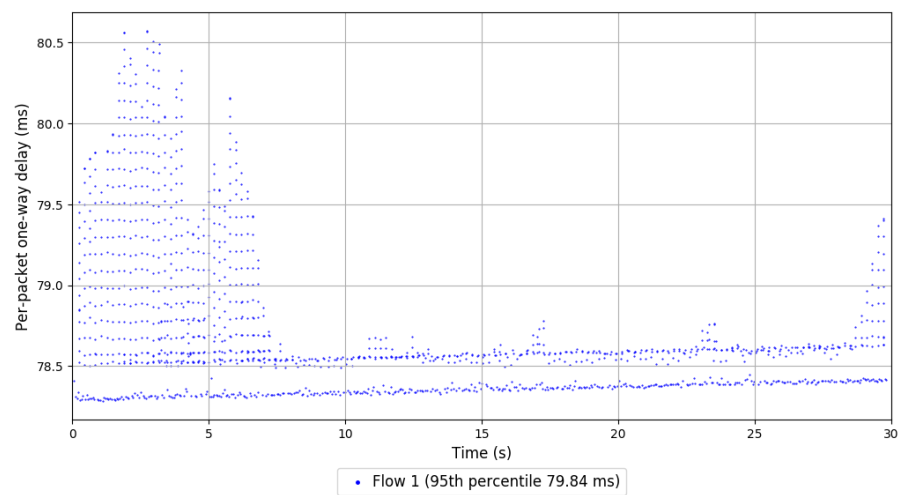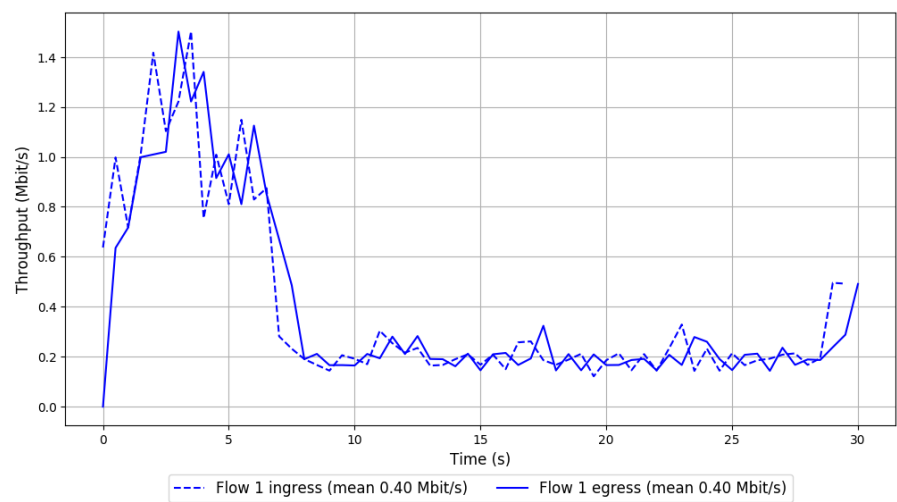Flow 1 (95th percentile 79.81 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-07-10 13:31:02
End at: 2018-07-10 13:31:32
Local clock offset: -0.188 ms
Remote clock offset: 0.765 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.928 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.928 ms
Loss rate: 0.54%
```
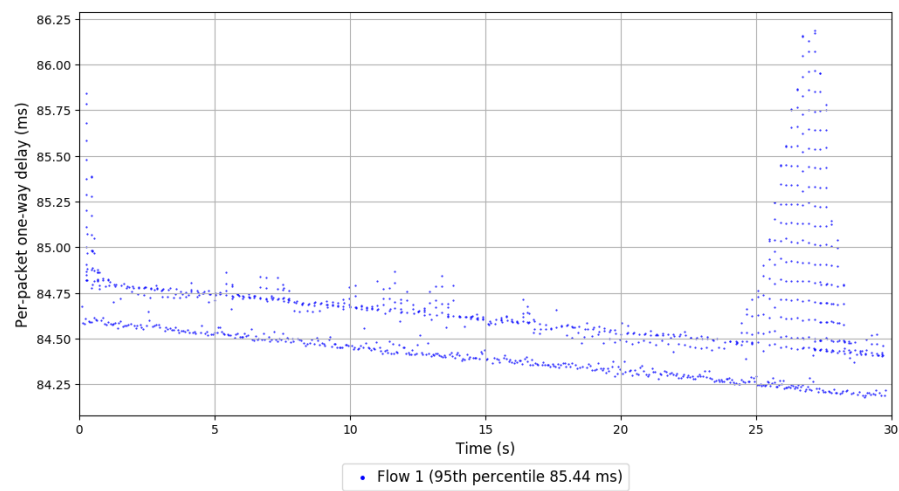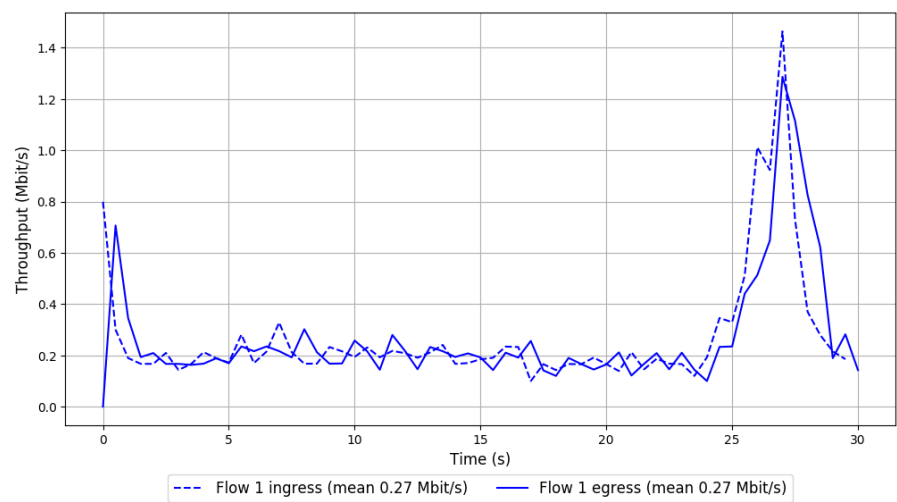
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2018-07-10 13:50:47
End at: 2018-07-10 13:51:17
Local clock offset: -0.137 ms
Remote clock offset: 12.221 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 79.842 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 79.842 ms
Loss rate: 0.89%
```

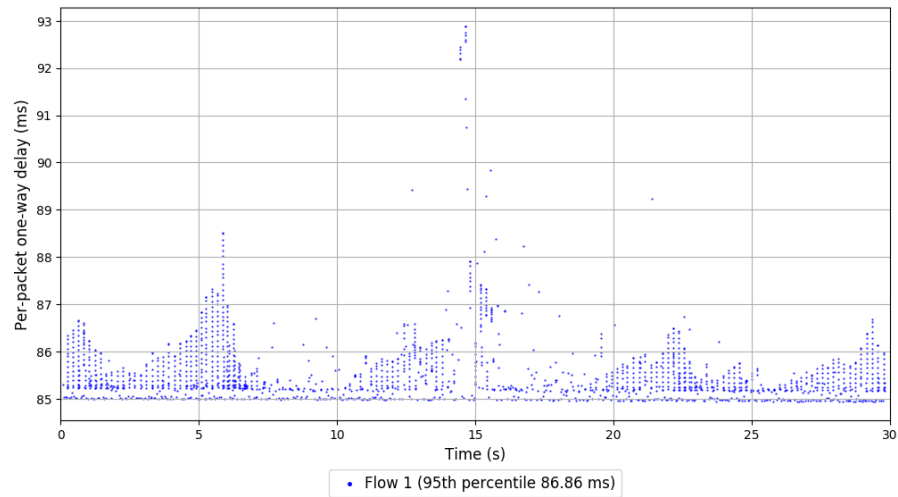# Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2018-07-10 14:10:38
End at: 2018-07-10 14:11:08
Local clock offset: -0.16 ms
Remote clock offset: 10.994 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 85.435 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 85.435 ms
Loss rate: 0.41%
```

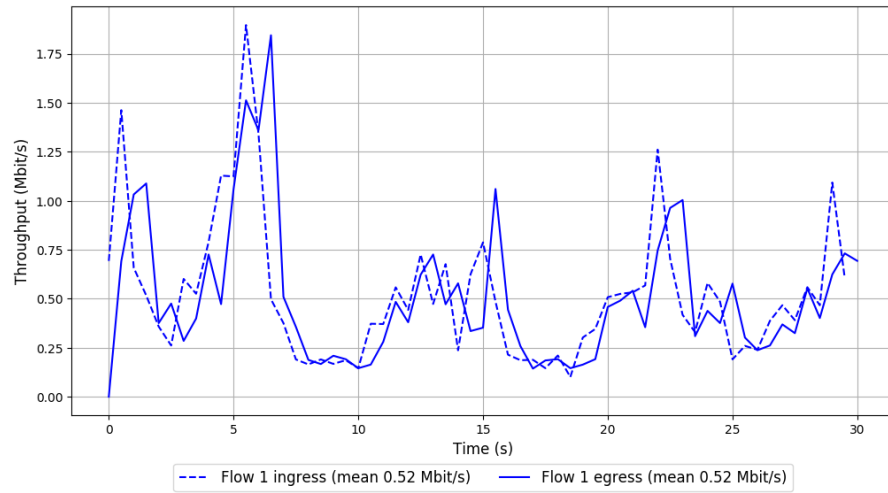Run 6: Report of Sprout — Data Link

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```
Run 7: Statistics of Sprout

Start at: 2018-07-10 14:30:33
End at: 2018-07-10 14:31:03
Local clock offset: -0.132 ms
Remote clock offset: 3.848 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.864 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.864 ms
Loss rate: 0.88%
```

Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2018-07-10 14:50:33
End at: 2018-07-10 14:51:03
Local clock offset: -0.215 ms
Remote clock offset: 7.359 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.335 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.335 ms
Loss rate: 0.02%
```
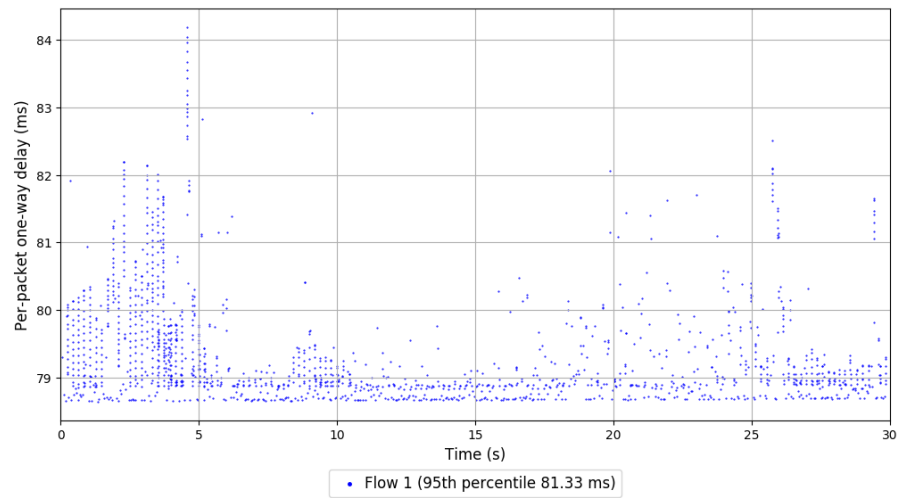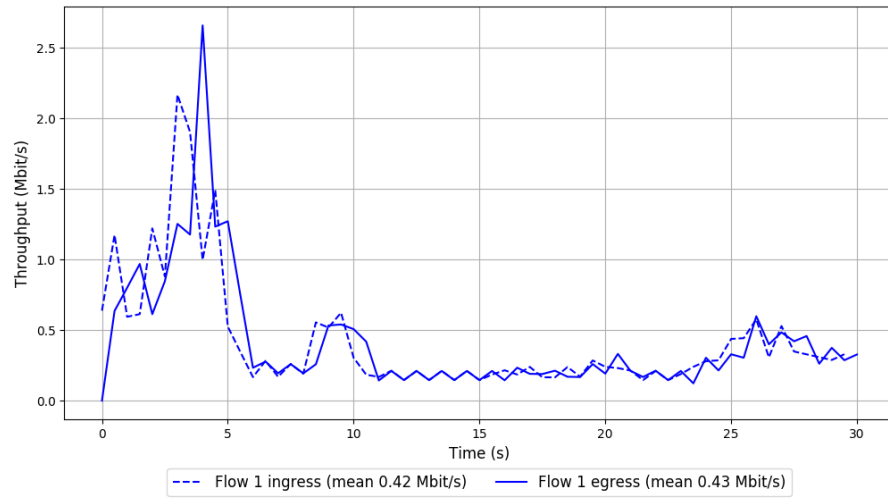
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-07-10 15:10:24
End at: 2018-07-10 15:10:54
Local clock offset: -0.249 ms
Remote clock offset: 5.017 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 82.249 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 82.249 ms
Loss rate: 0.66%
```
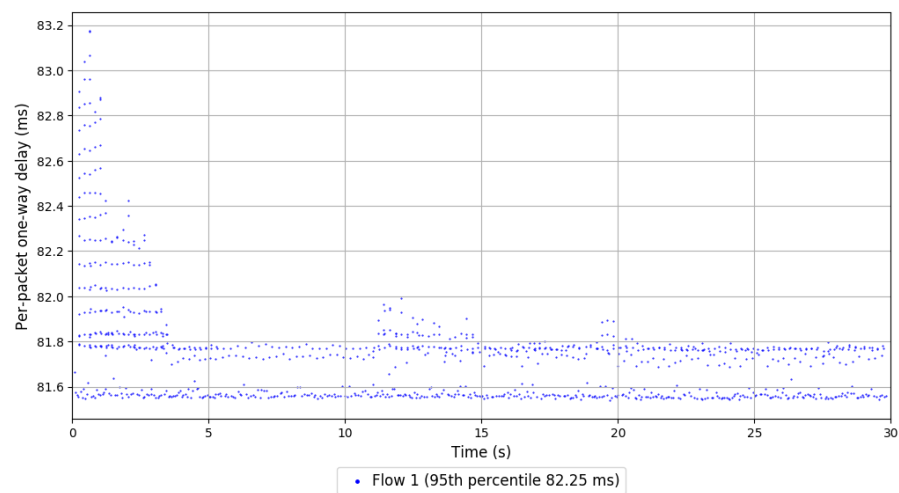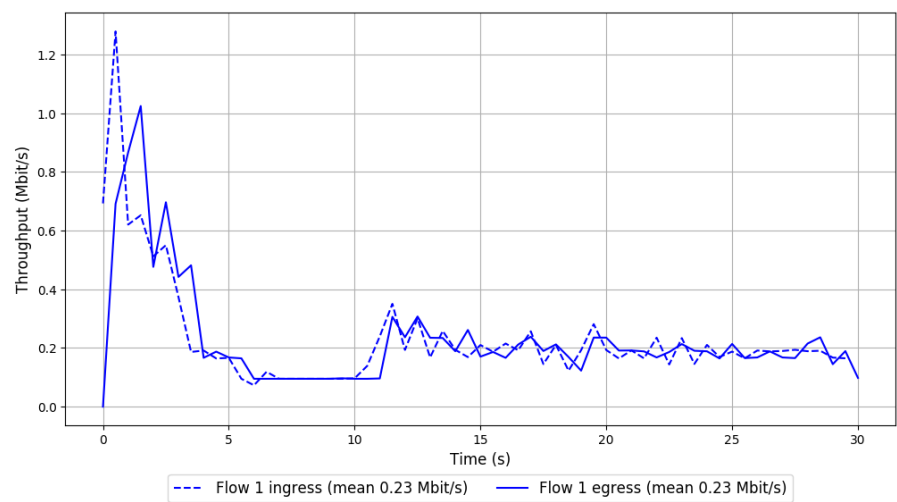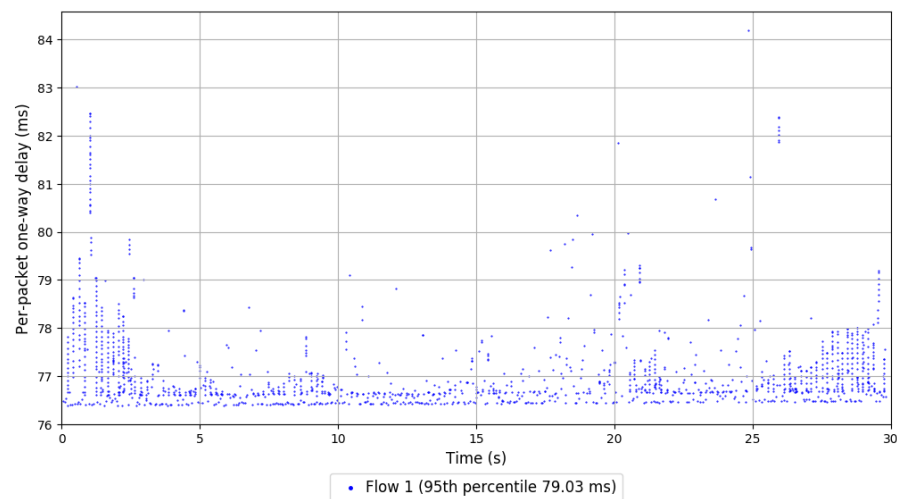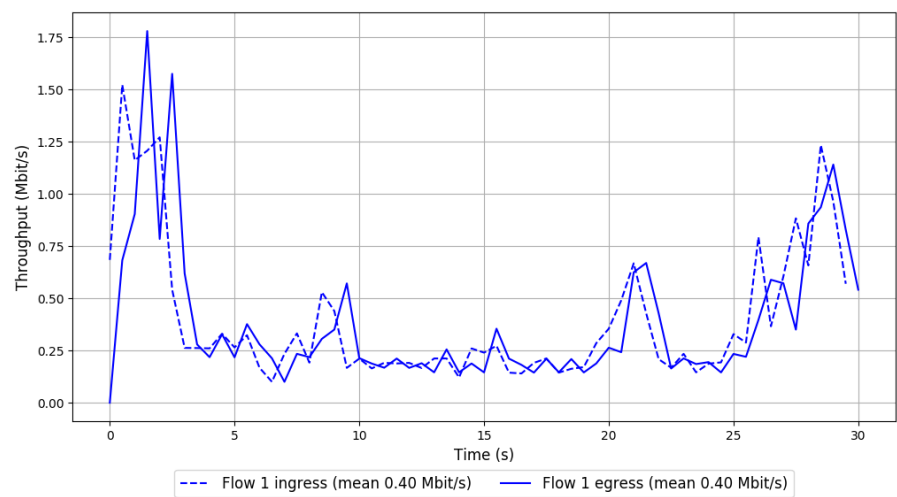
Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-07-10 15:30:35
End at: 2018-07-10 15:31:05
Local clock offset: -0.229 ms
Remote clock offset: 13.711 ms


# Below is generated by plot.py at 2018-07-10 15:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 79.032 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 79.032 ms
Loss rate: 1.09%
```

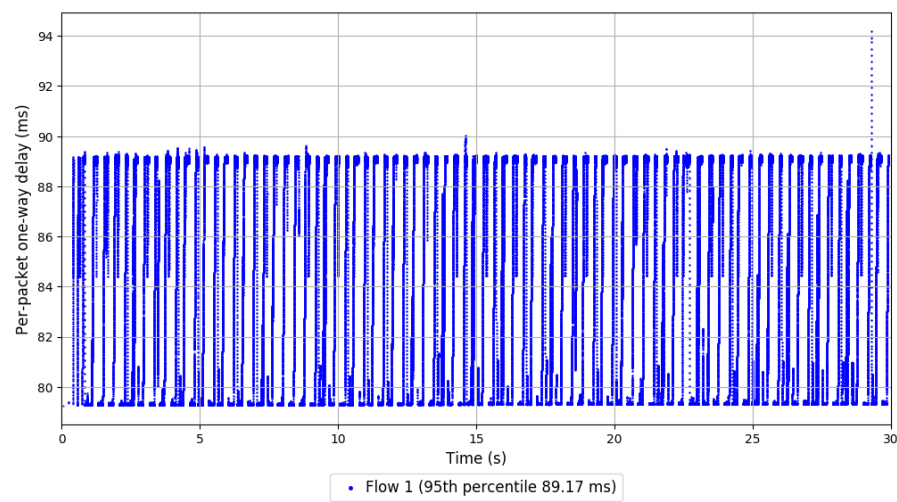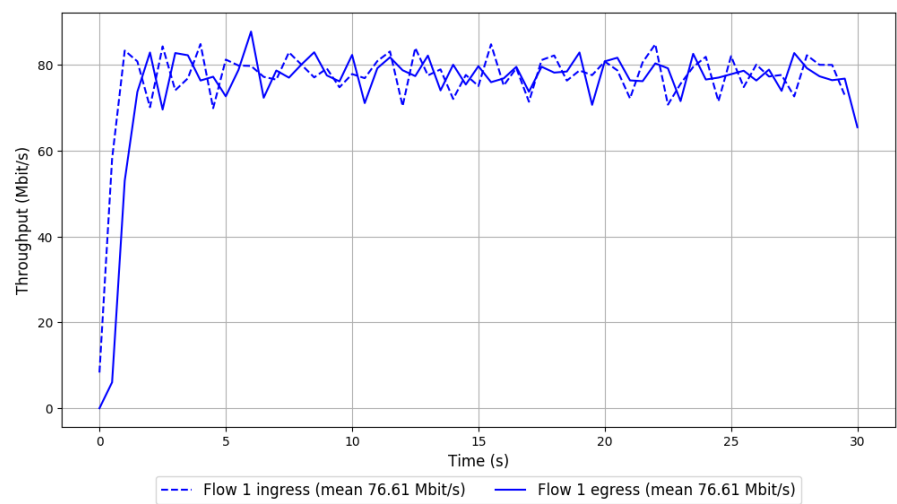Run 10: Report of Sprout — Data Link

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

Start at: 2018-07-10 12:22:16
End at: 2018-07-10 12:22:46
Local clock offset: -0.185 ms
Remote clock offset: 14.057 ms


# Below is generated by plot.py at 2018-07-10 15:52:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 89.167 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 89.167 ms
Loss rate: 0.53%
```

Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 76.61 Mbit/s)   Flow 1 egress (mean 76.61 Mbit/s)

• Flow 1 (95th percentile 89.17 ms)

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

Start at: 2018-07-10 12:42:07
End at: 2018-07-10 12:42:37
Local clock offset: -0.205 ms
Remote clock offset: 7.212 ms


# Below is generated by plot.py at 2018-07-10 15:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 90.930 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 90.930 ms
Loss rate: 0.54%
```
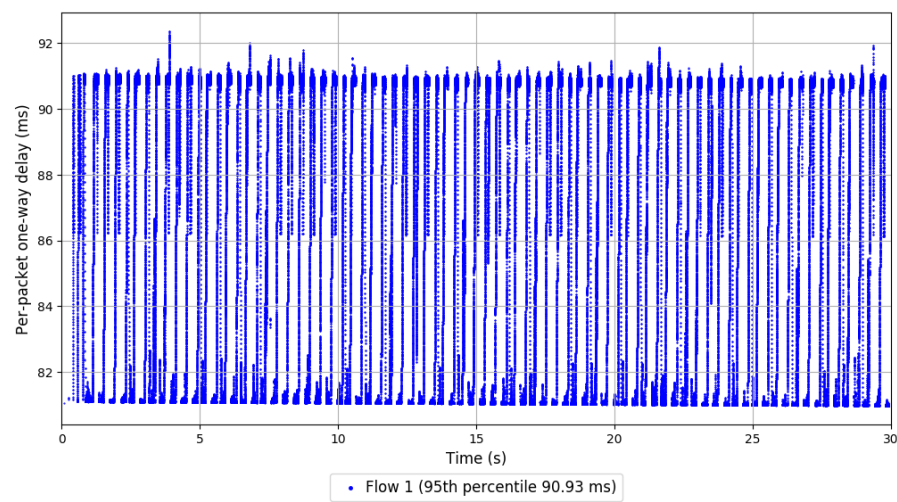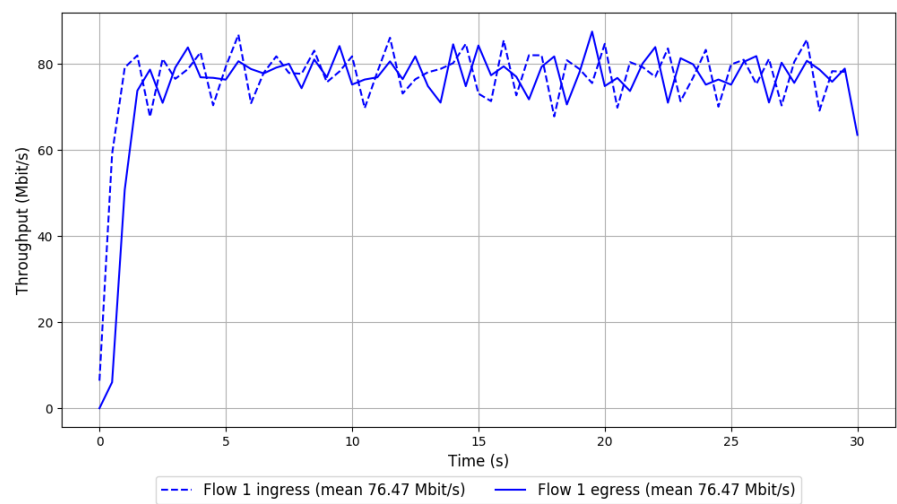
Run 2: Report of TaoVA-100x — Data Link

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

Start at: 2018-07-10 13:01:56
End at: 2018-07-10 13:02:26
Local clock offset: -0.21 ms
Remote clock offset: 1.266 ms


# Below is generated by plot.py at 2018-07-10 15:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 91.522 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 91.522 ms
Loss rate: 0.57%
```
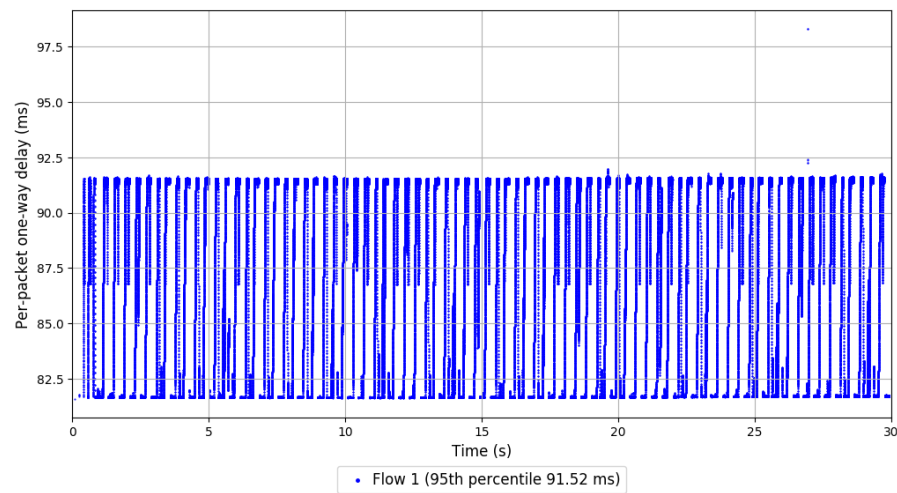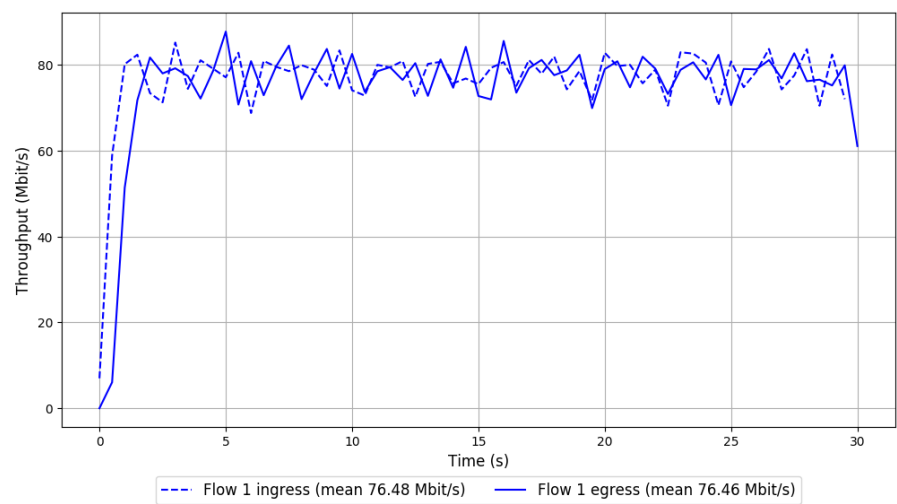
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 76.48 Mbit/s)   Flow 1 egress (mean 76.46 Mbit/s)

Flow 1 (95th percentile 91.52 ms)

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

Start at: 2018-07-10 13:21:44
End at: 2018-07-10 13:22:14
Local clock offset: -0.201 ms
Remote clock offset: 6.964 ms


# Below is generated by plot.py at 2018-07-10 15:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 86.746 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 86.746 ms
Loss rate: 0.53%
```
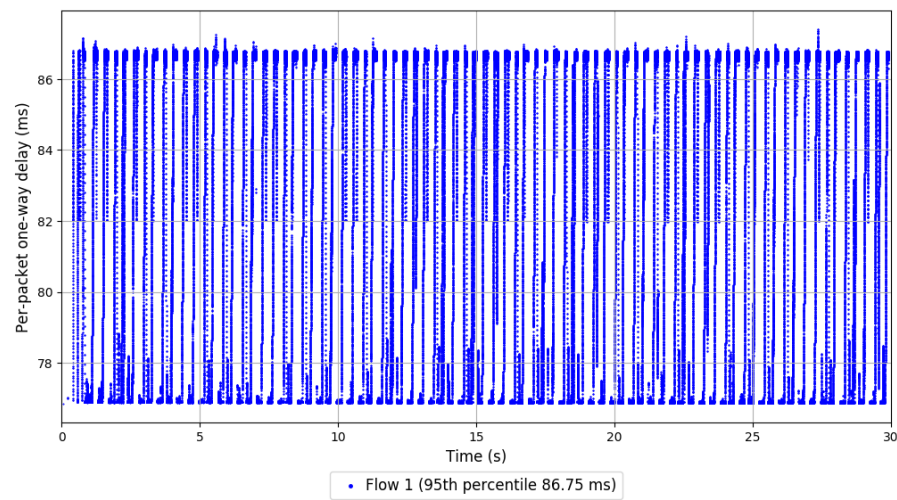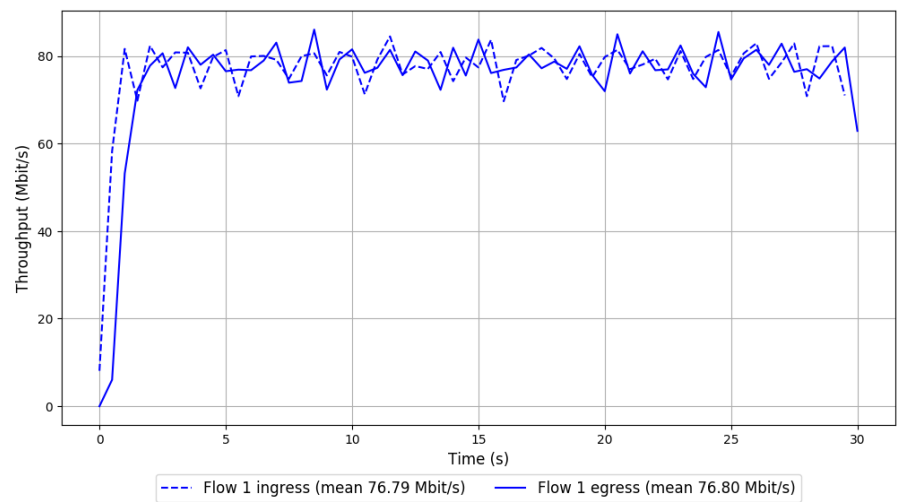
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 76.79 Mbit/s)   Flow 1 egress (mean 76.80 Mbit/s)

Flow 1 (95th percentile 86.75 ms)

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

Start at: 2018-07-10 13:41:28
End at: 2018-07-10 13:41:58
Local clock offset: -0.125 ms
Remote clock offset: 4.418 ms


# Below is generated by plot.py at 2018-07-10 15:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 92.608 ms
Loss rate: 7.85%
-- Flow 1:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 92.608 ms
Loss rate: 7.85%
```
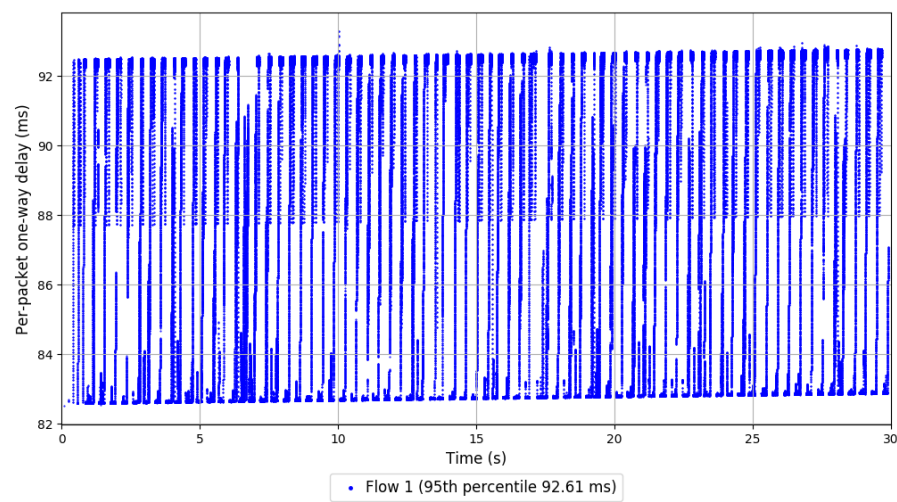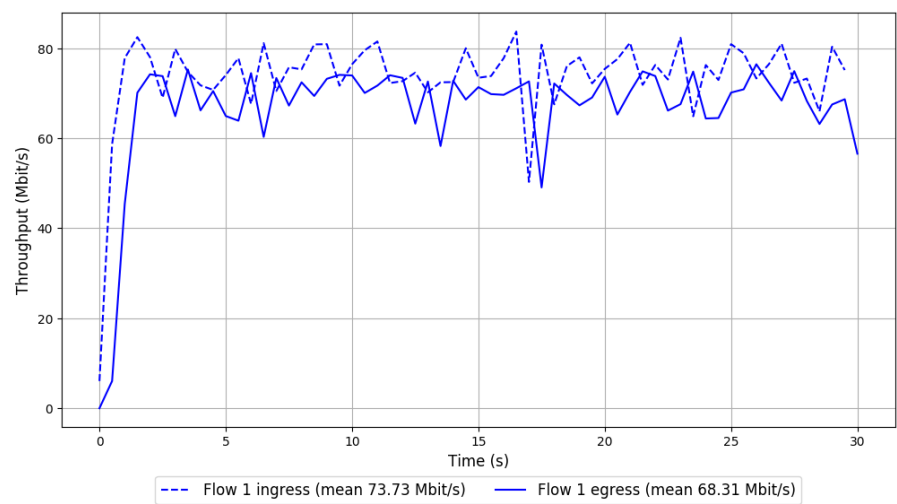
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 73.73 Mbit/s)   Flow 1 egress (mean 68.31 Mbit/s)
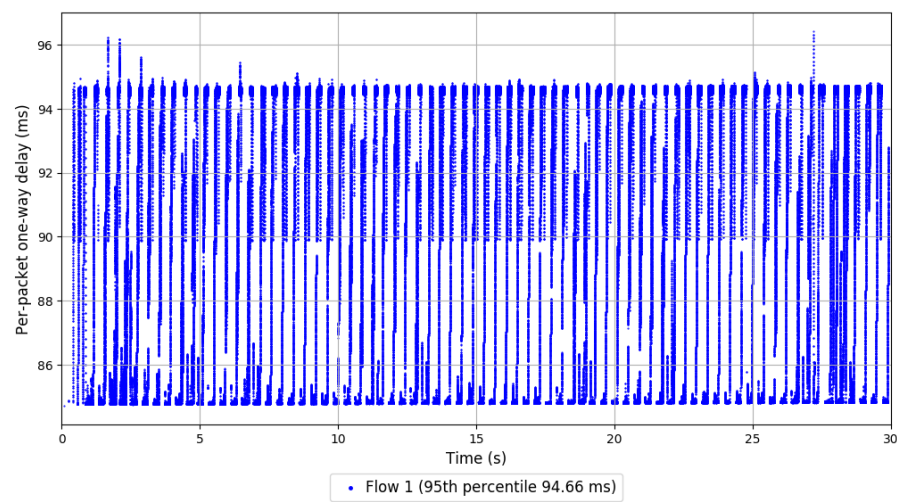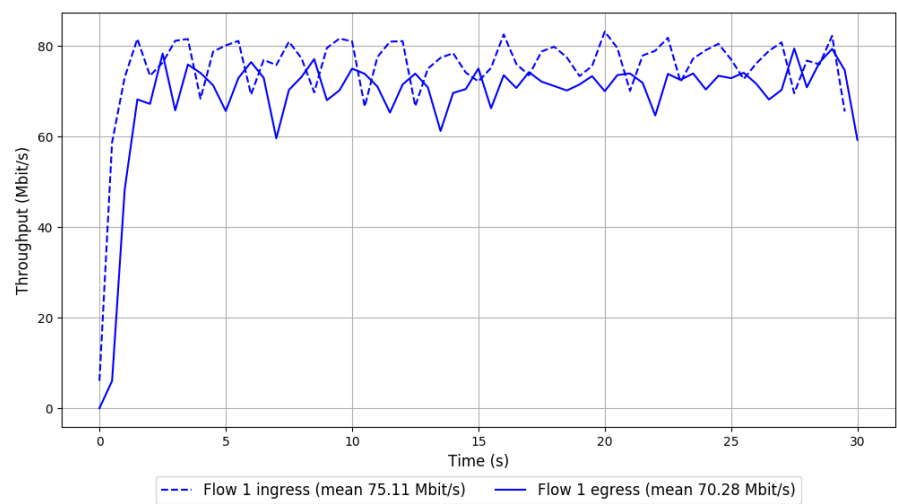

• Flow 1 (95th percentile 92.61 ms)

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

Start at: 2018-07-10 14:01:19
End at: 2018-07-10 14:01:49
Local clock offset: -0.155 ms
Remote clock offset: 10.184 ms


# Below is generated by plot.py at 2018-07-10 15:52:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.28 Mbit/s
95th percentile per-packet one-way delay: 94.657 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 70.28 Mbit/s
95th percentile per-packet one-way delay: 94.657 ms
Loss rate: 6.94%
```

Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 75.11 Mbit/s) ----- Flow 1 egress (mean 70.28 Mbit/s)
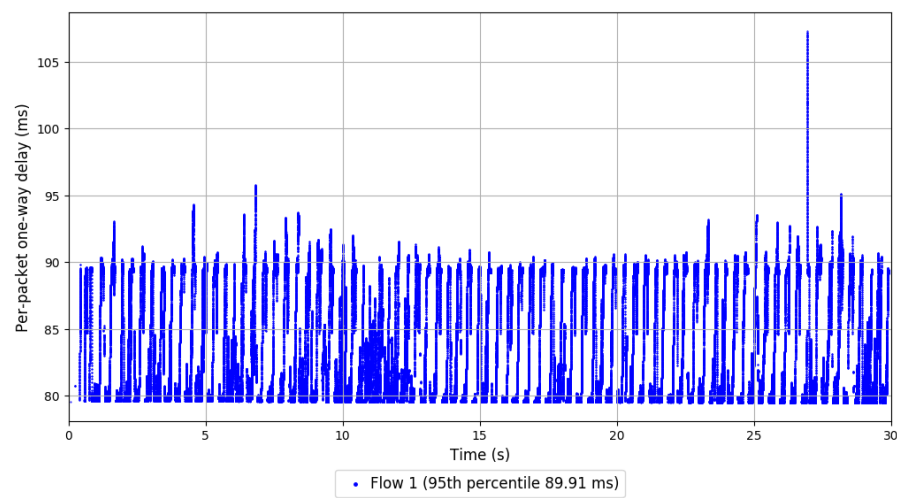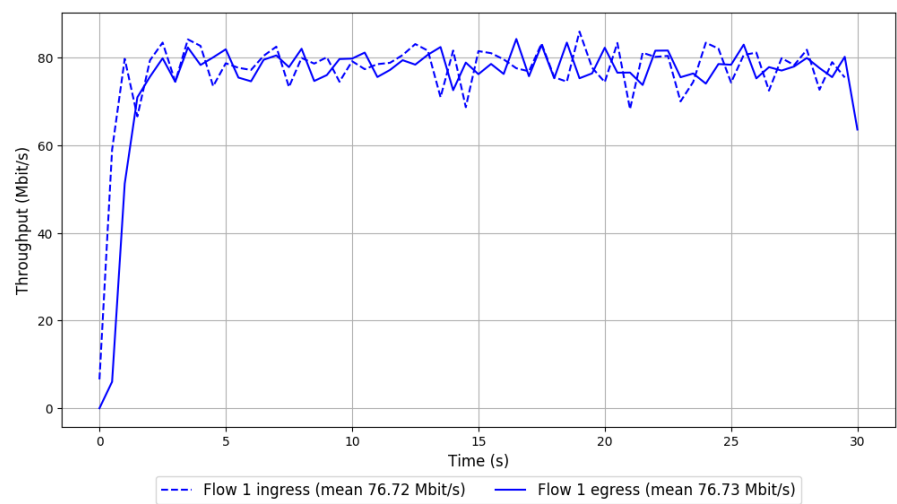

· Flow 1 (95th percentile 94.66 ms)

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

Start at: 2018-07-10 14:21:13
End at: 2018-07-10 14:21:43
Local clock offset: -0.145 ms
Remote clock offset: 10.598 ms


# Below is generated by plot.py at 2018-07-10 15:52:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.73 Mbit/s
95th percentile per-packet one-way delay: 89.914 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 76.73 Mbit/s
95th percentile per-packet one-way delay: 89.914 ms
Loss rate: 0.54%
```

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

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

Start at: 2018-07-10 14:41:16
End at: 2018-07-10 14:41:46
Local clock offset: -0.151 ms
Remote clock offset: 4.028 ms


# Below is generated by plot.py at 2018-07-10 15:52:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 93.653 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 93.653 ms
Loss rate: 0.48%
```
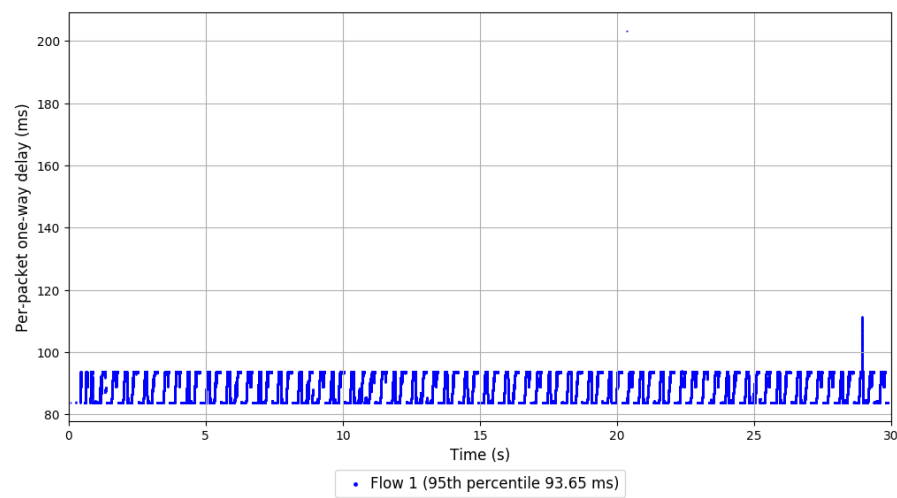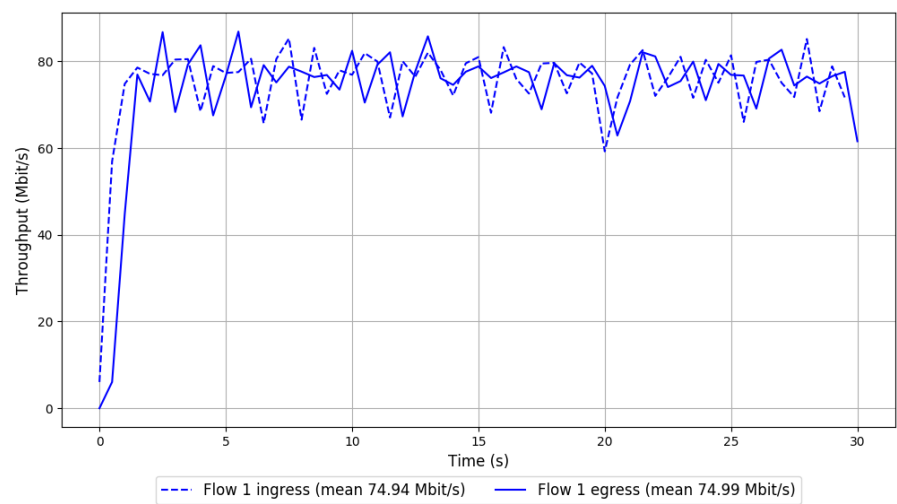
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 74.94 Mbit/s) ---- Flow 1 egress (mean 74.99 Mbit/s)

Flow 1 (95th percentile 93.65 ms)

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

Start at: 2018-07-10 15:01:06
End at: 2018-07-10 15:01:36
Local clock offset: -0.3 ms
Remote clock offset: 3.875 ms


# Below is generated by plot.py at 2018-07-10 15:53:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.19 Mbit/s
95th percentile per-packet one-way delay: 94.769 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 72.19 Mbit/s
95th percentile per-packet one-way delay: 94.769 ms
Loss rate: 3.33%
```
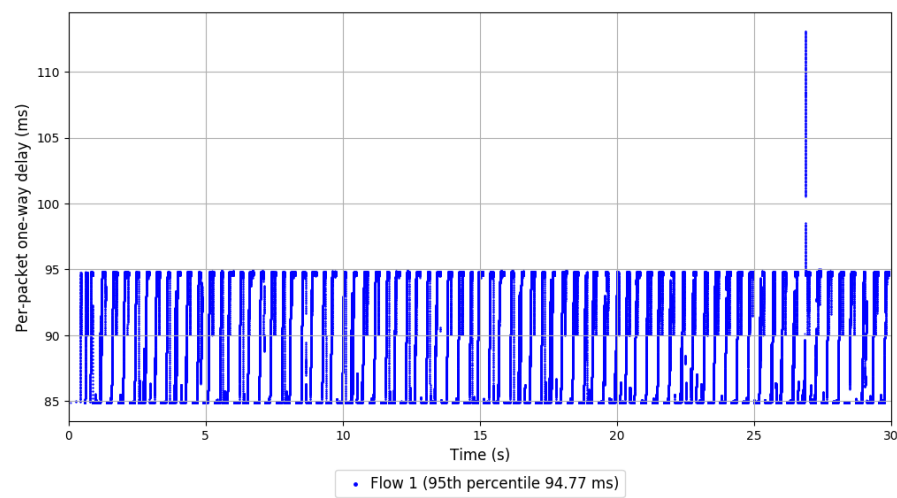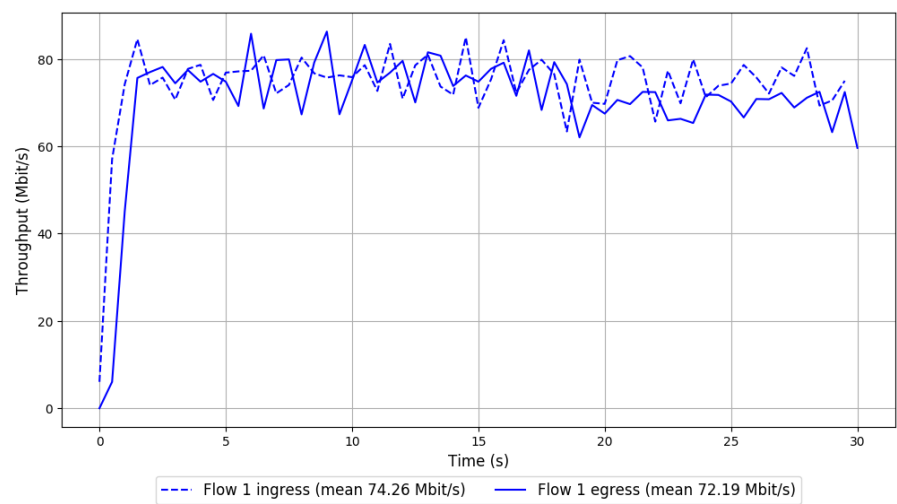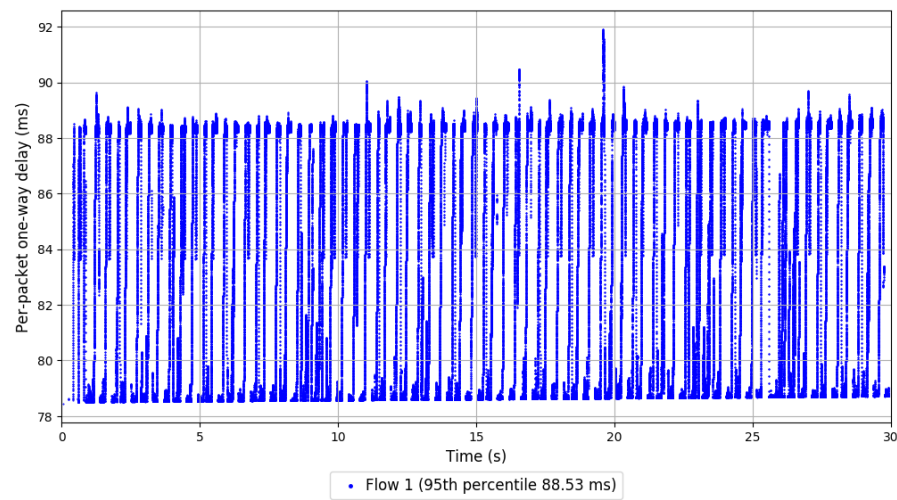
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 74.26 Mbit/s)   —— Flow 1 egress (mean 72.19 Mbit/s)

Flow 1 (95th percentile 94.77 ms)

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

Start at: 2018-07-10 15:20:57
End at: 2018-07-10 15:21:27
Local clock offset: -0.29 ms
Remote clock offset: 11.116 ms

# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.43 Mbit/s
95th percentile per-packet one-way delay: 88.525 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 74.43 Mbit/s
95th percentile per-packet one-way delay: 88.525 ms
Loss rate: 0.68%
```
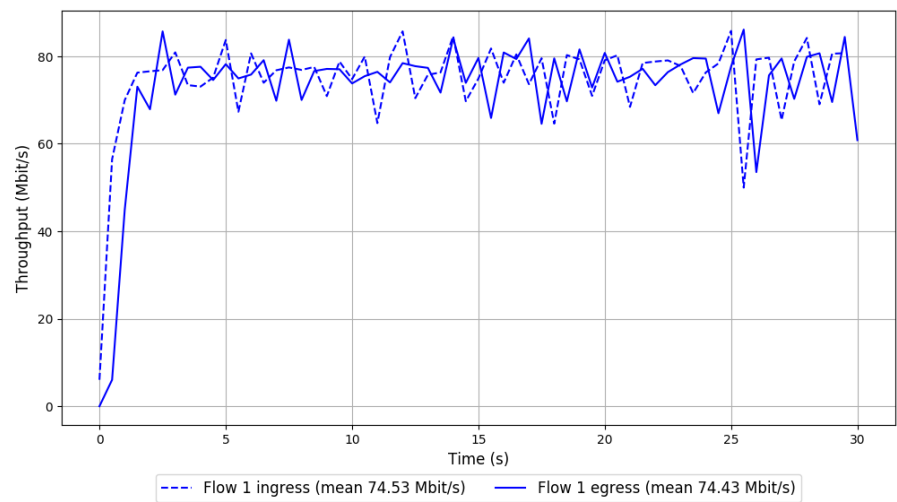
Run 10: Report of TaoVA-100x — Data Link

```
Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 12:19:58
End at: 2018-07-10 12:20:28
Local clock offset: -0.185 ms
Remote clock offset: 16.01 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 79.971 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 79.971 ms
Loss rate: 0.56%
```
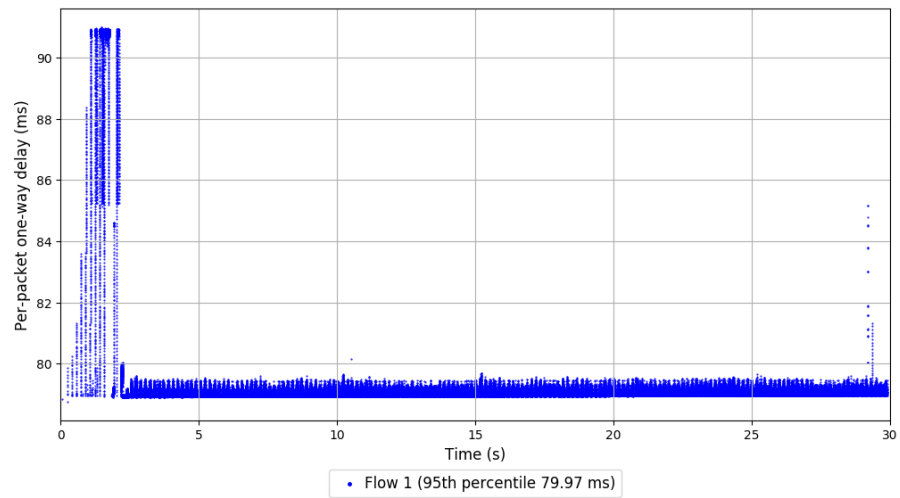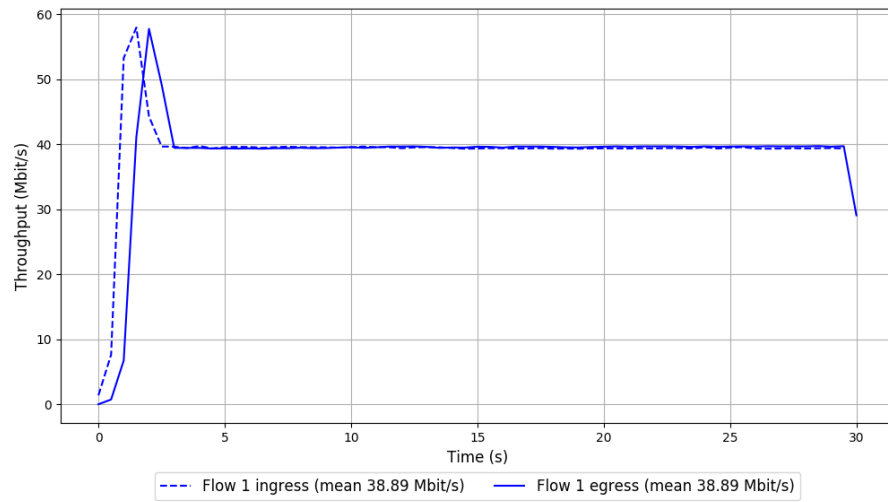
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 12:39:48
End at: 2018-07-10 12:40:18
Local clock offset: -0.208 ms
Remote clock offset: 7.875 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 79.702 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 79.702 ms
Loss rate: 0.64%
```
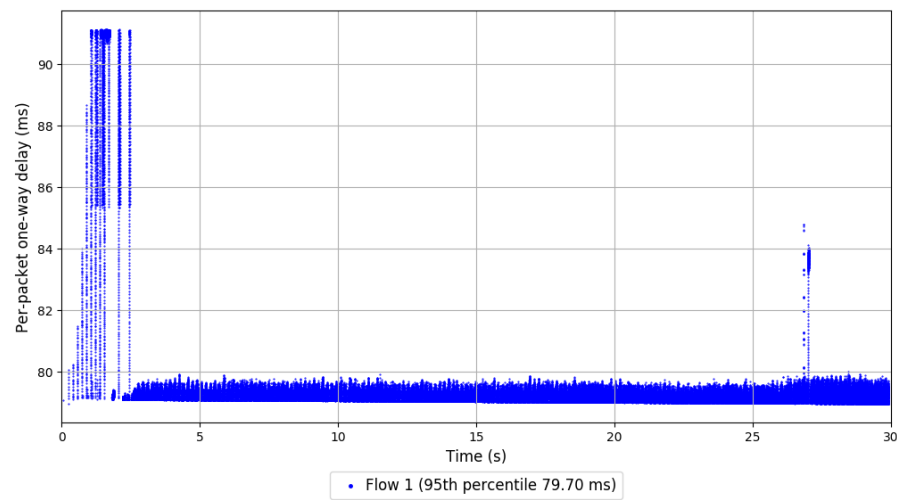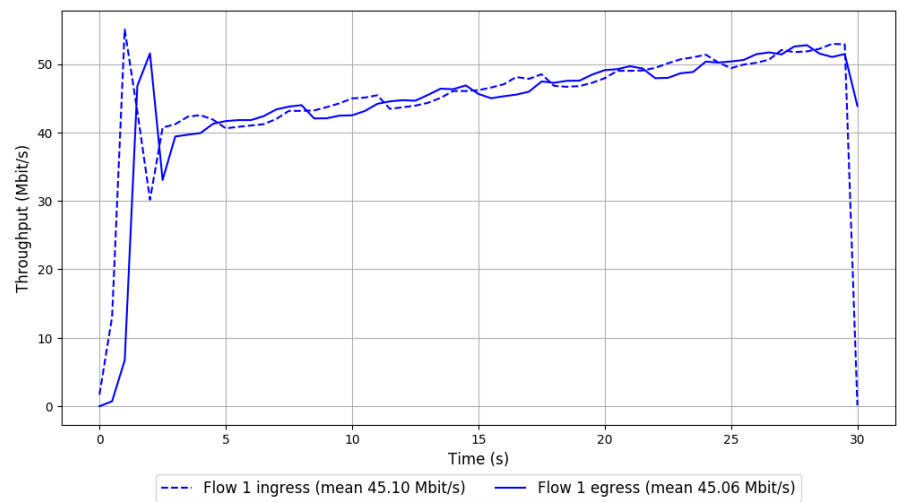
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 12:59:37
End at: 2018-07-10 13:00:07
Local clock offset: -0.276 ms
Remote clock offset: 1.546 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.08 Mbit/s
95th percentile per-packet one-way delay: 82.179 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 44.08 Mbit/s
95th percentile per-packet one-way delay: 82.179 ms
Loss rate: 0.59%
```
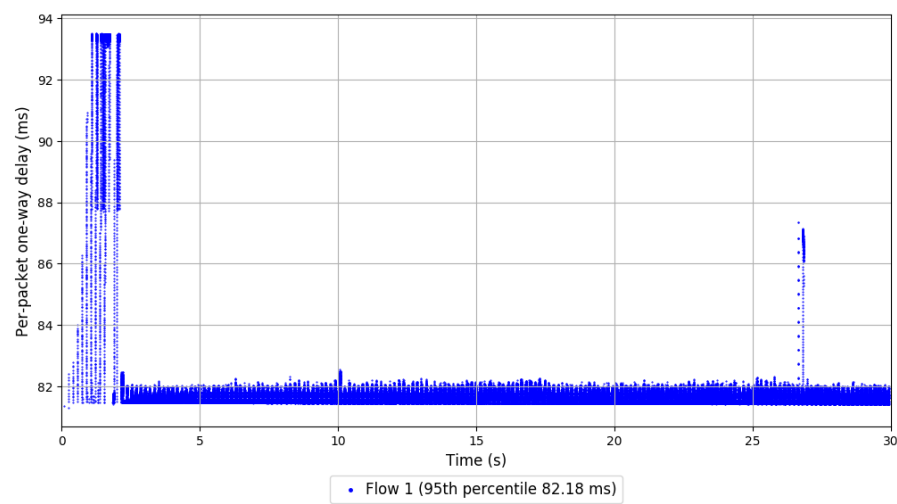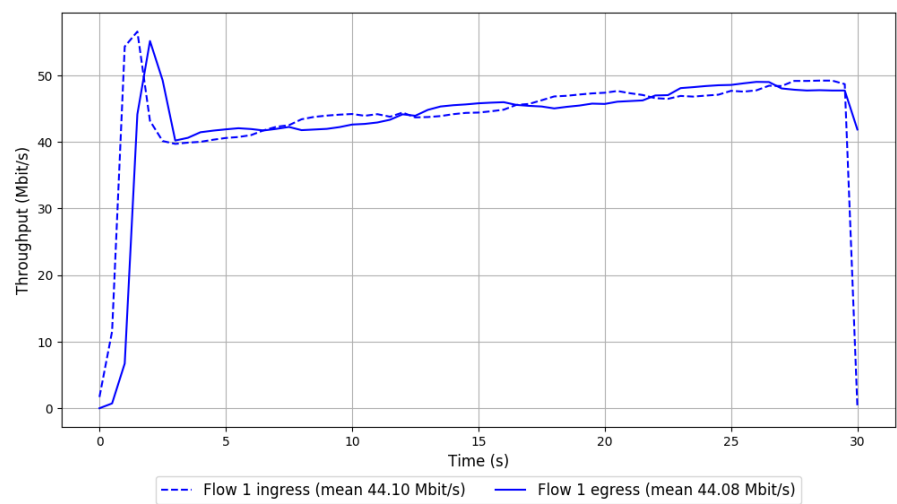
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 44.10 Mbit/s) —— Flow 1 egress (mean 44.08 Mbit/s)

• Flow 1 (95th percentile 82.18 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 13:19:25
End at: 2018-07-10 13:19:55
Local clock offset: -0.209 ms
Remote clock offset: 7.131 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 79.467 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 79.467 ms
Loss rate: 0.66%
```
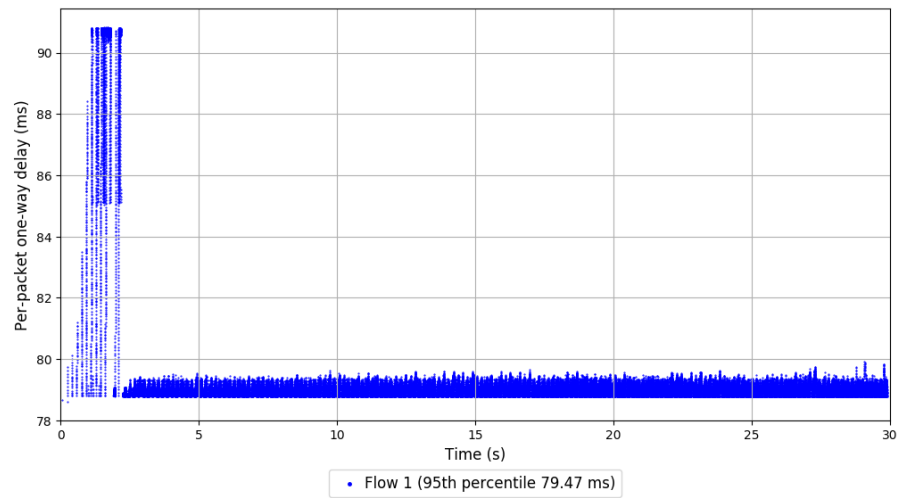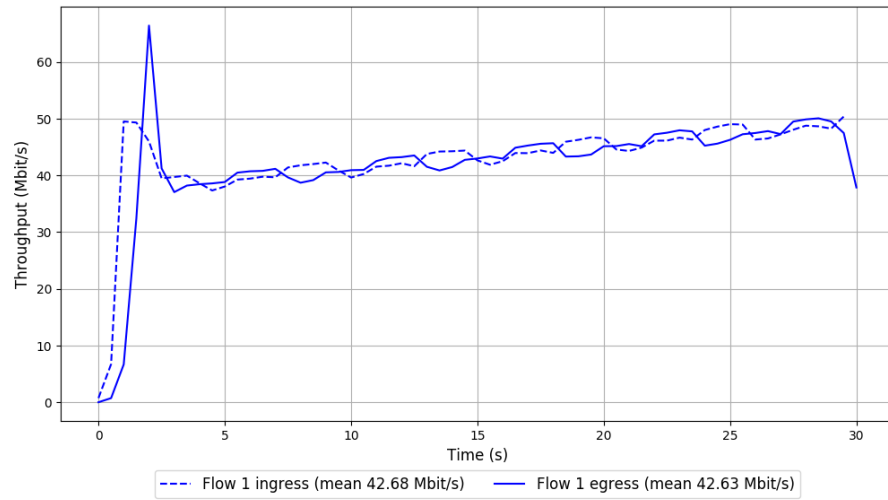
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 13:39:09
End at: 2018-07-10 13:39:39
Local clock offset: -0.218 ms
Remote clock offset: 4.079 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 82.518 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 82.518 ms
Loss rate: 0.55%
```
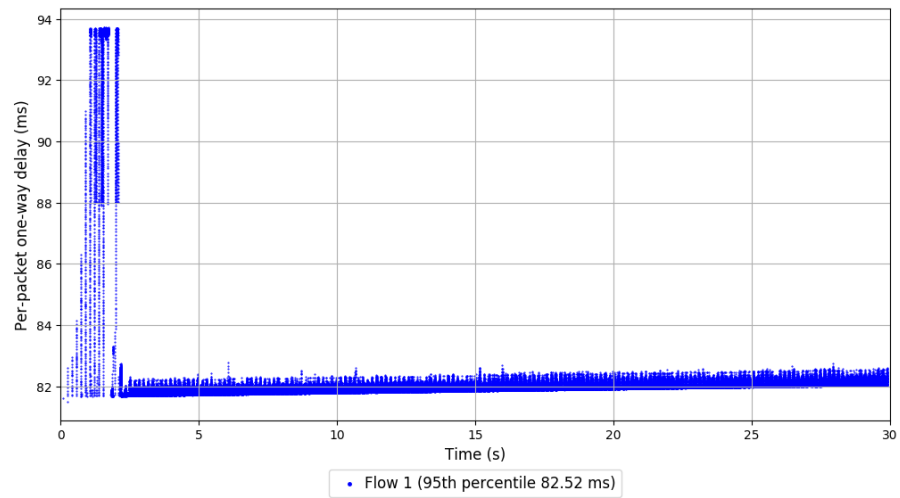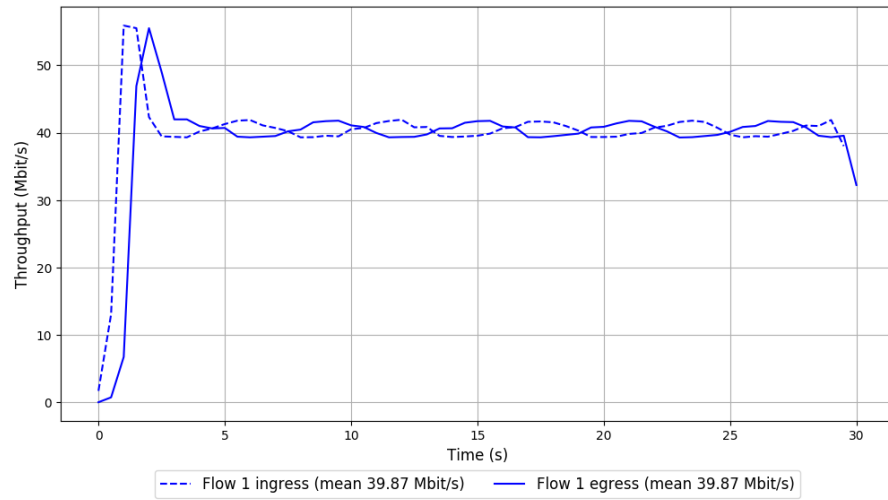
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 39.87 Mbit/s) ----- Flow 1 egress (mean 39.87 Mbit/s) ——
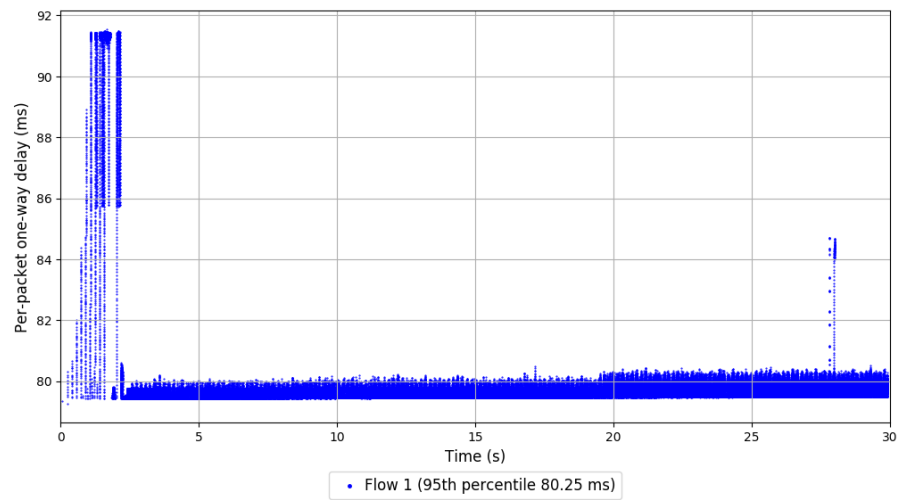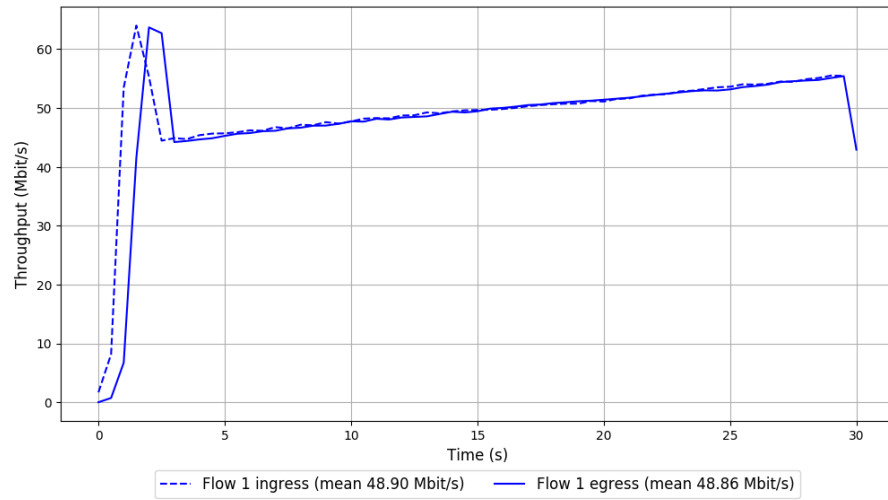

• Flow 1 (95th percentile 82.52 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 13:59:00
End at: 2018-07-10 13:59:30
Local clock offset: -0.163 ms
Remote clock offset: 14.933 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 80.252 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 80.252 ms
Loss rate: 0.62%
```

Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 48.90 Mbit/s)   Flow 1 egress (mean 48.86 Mbit/s)

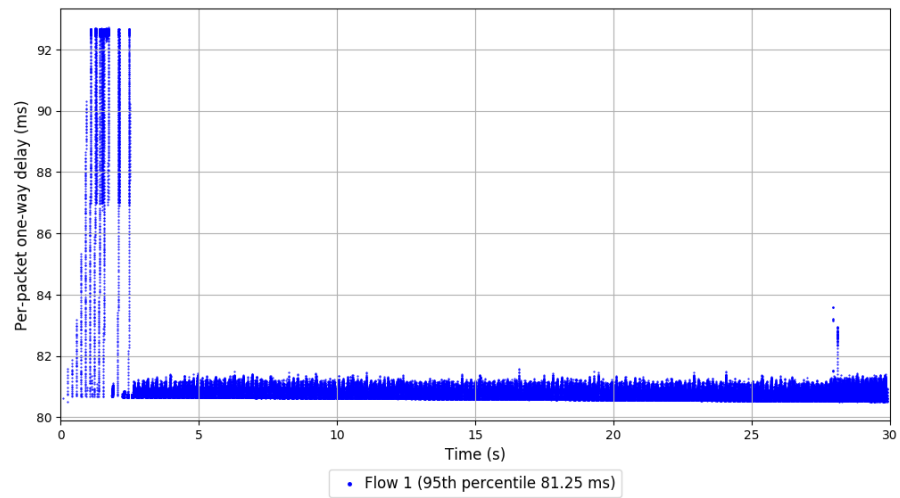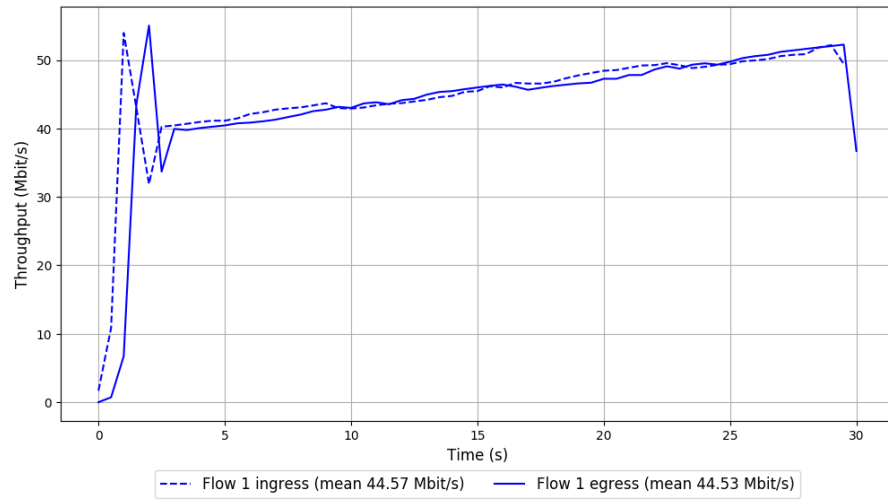

Flow 1 (95th percentile 80.25 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 14:18:54
End at: 2018-07-10 14:19:24
Local clock offset: -0.163 ms
Remote clock offset: 10.223 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 81.251 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 81.251 ms
Loss rate: 0.64%
```

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 44.57 Mbit/s) — Flow 1 egress (mean 44.53 Mbit/s)

Flow 1 (95th percentile 81.25 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 14:38:57
End at: 2018-07-10 14:39:27
Local clock offset: -0.142 ms
Remote clock offset: 8.176 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 80.240 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 80.240 ms
Loss rate: 0.55%
```
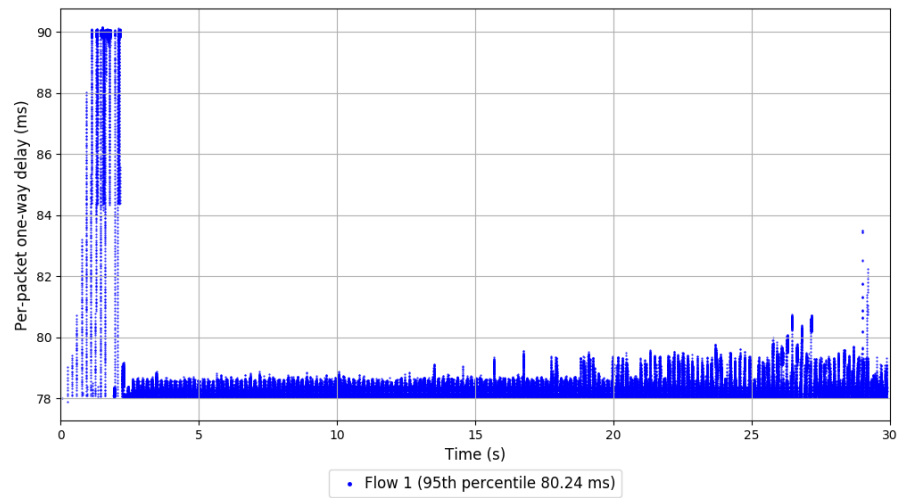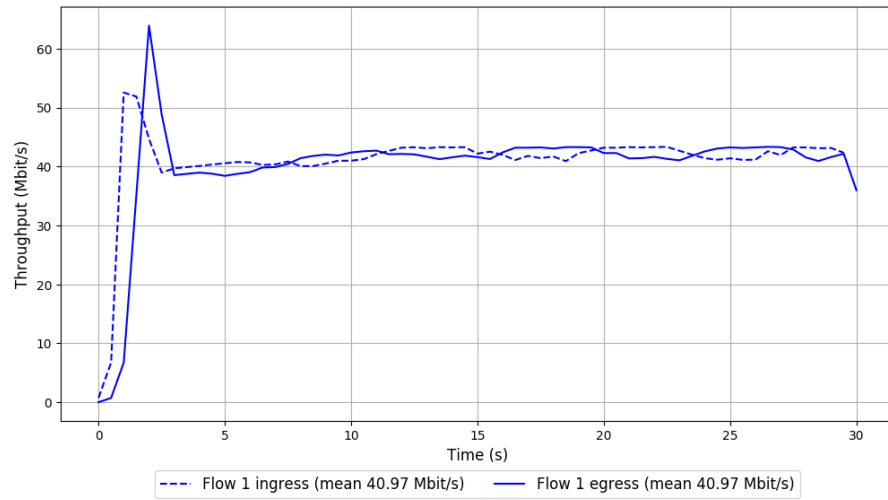
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 40.97 Mbit/s) --- Flow 1 egress (mean 40.97 Mbit/s)

• Flow 1 (95th percentile 80.24 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 14:58:47
End at: 2018-07-10 14:59:17
Local clock offset: -0.253 ms
Remote clock offset: 7.722 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 79.767 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 79.767 ms
Loss rate: 0.55%
```
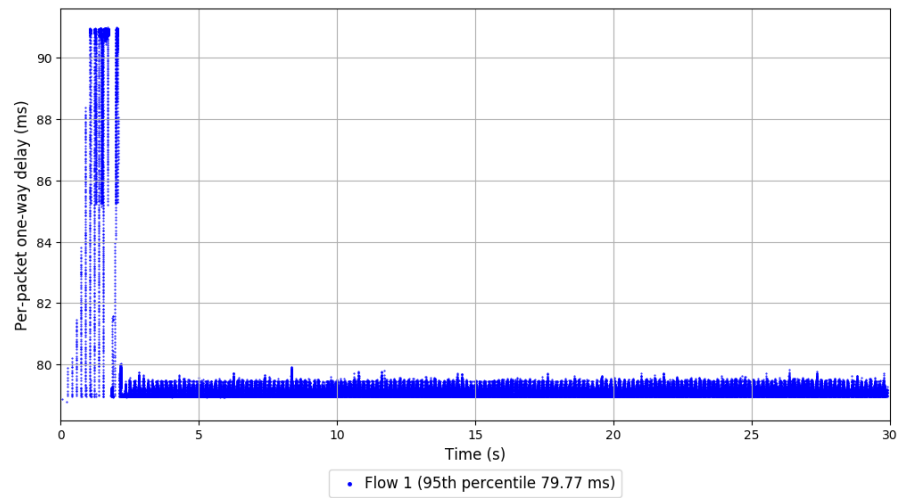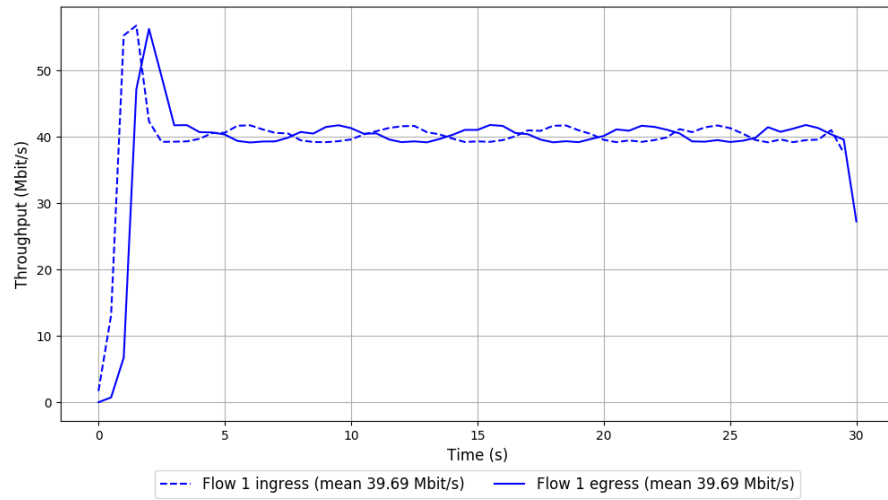
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 39.69 Mbit/s) —— Flow 1 egress (mean 39.69 Mbit/s)

• Flow 1 (95th percentile 79.77 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 15:18:38
End at: 2018-07-10 15:19:08
Local clock offset: -0.239 ms
Remote clock offset: 7.731 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 80.046 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 80.046 ms
Loss rate: 0.55%
```
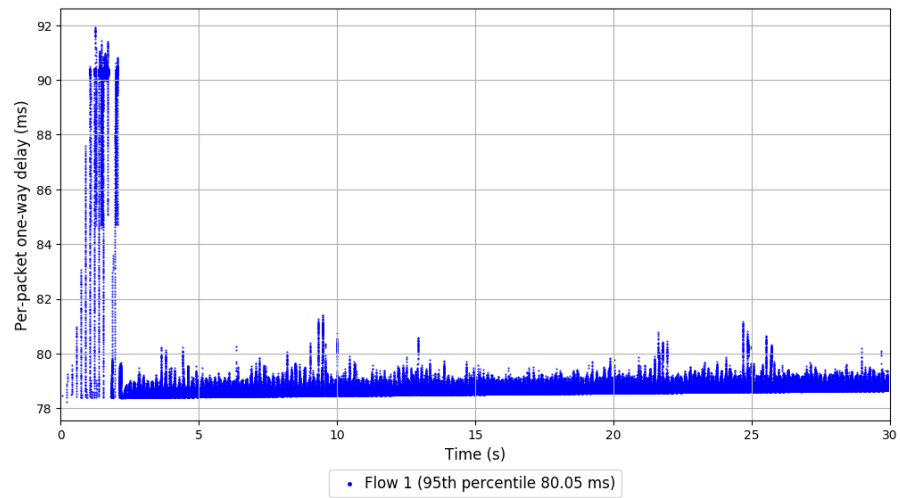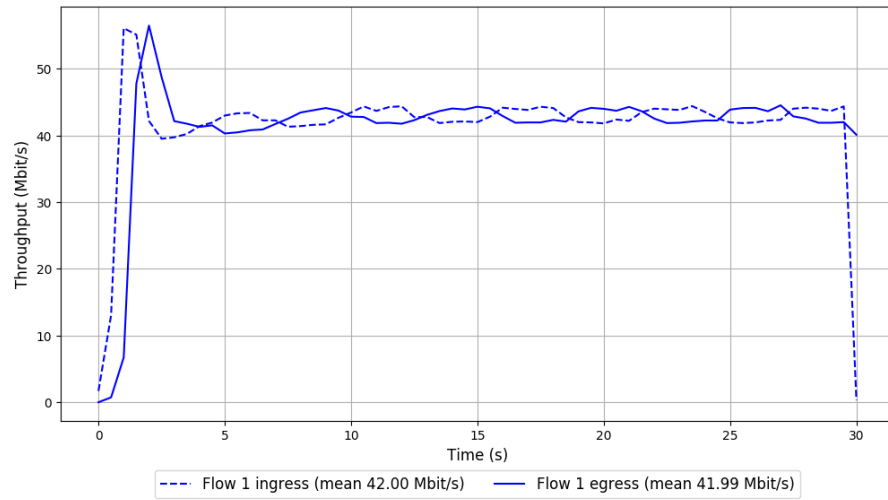
Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 42.00 Mbit/s)   Flow 1 egress (mean 41.99 Mbit/s)

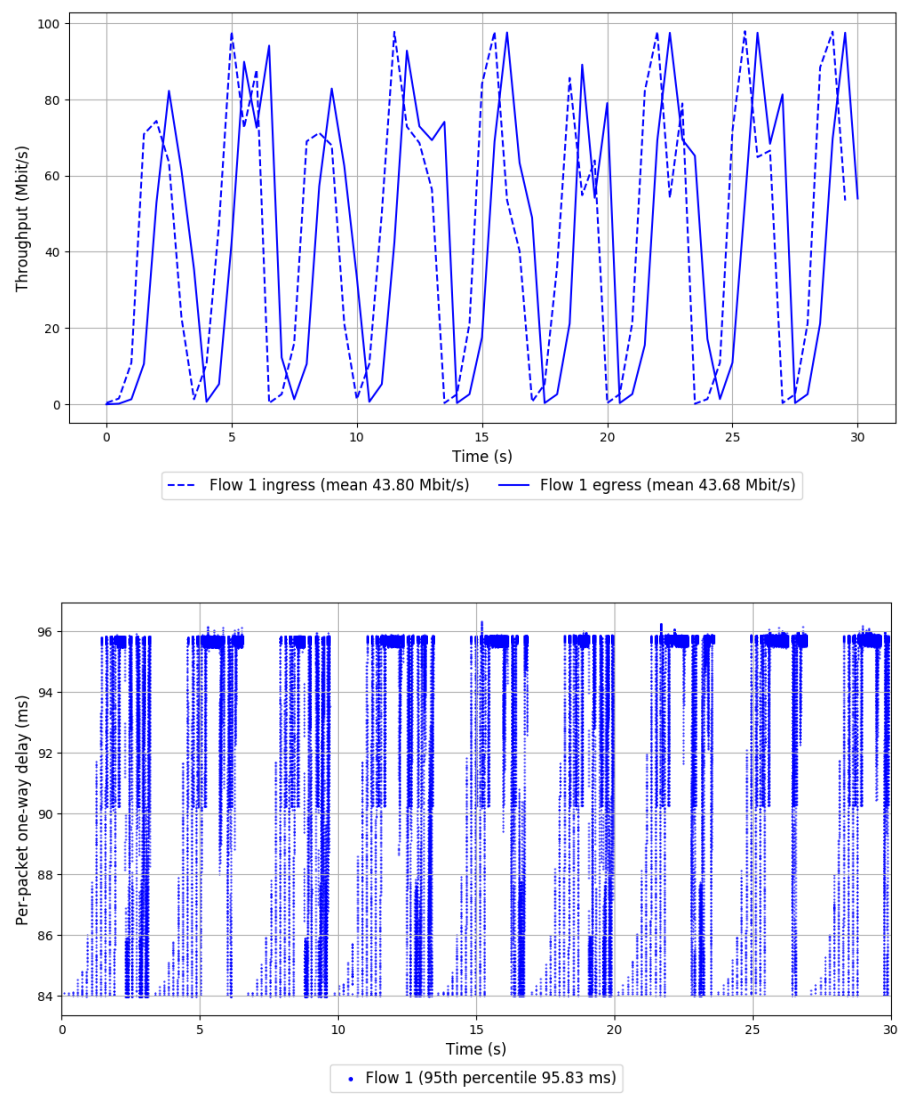
Flow 1 (95th percentile 80.05 ms)

```
Run 1: Statistics of Verus

Start at: 2018-07-10 12:26:56
End at: 2018-07-10 12:27:26
Local clock offset: -0.169 ms
Remote clock offset: 11.717 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 95.829 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 95.829 ms
Loss rate: 0.80%
```

Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-07-10 12:46:46
End at: 2018-07-10 12:47:16
Local clock offset: -0.21 ms
Remote clock offset: 2.303 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 97.045 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 97.045 ms
Loss rate: 0.12%
```
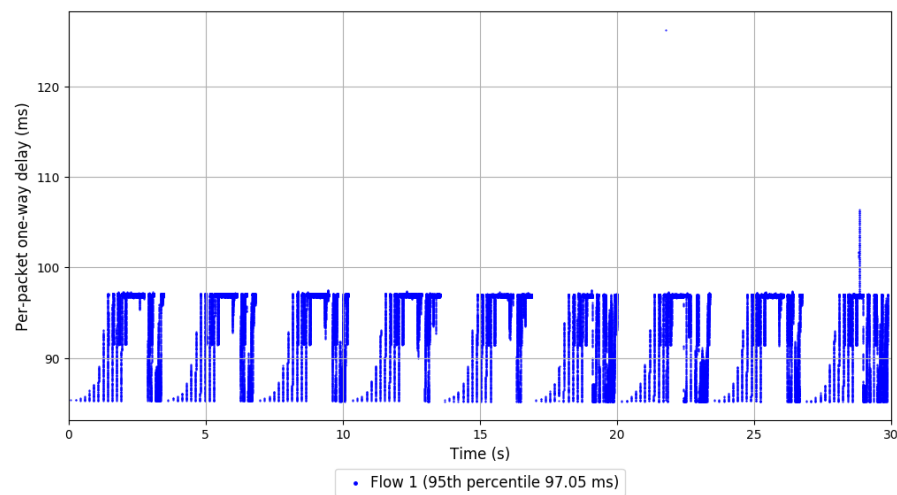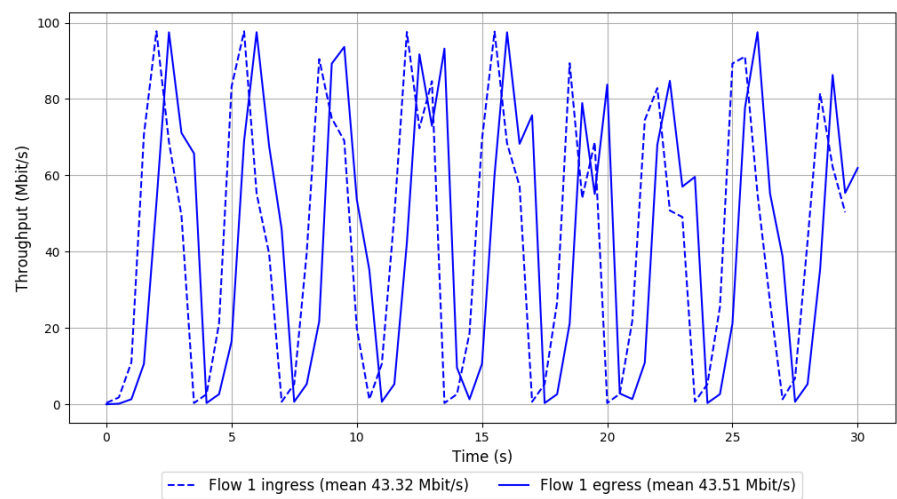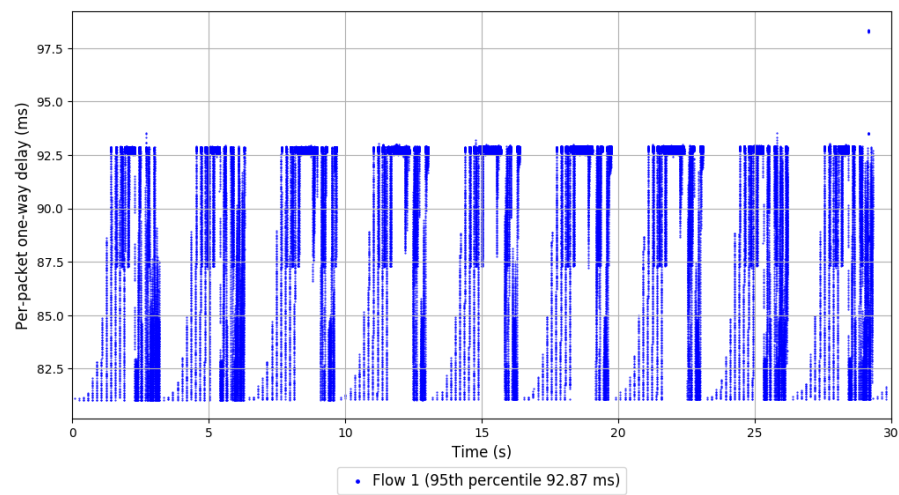
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-07-10 13:06:35
End at: 2018-07-10 13:07:05
Local clock offset: -0.218 ms
Remote clock offset: 4.648 ms

# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 92.874 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 92.874 ms
Loss rate: 0.11%
```
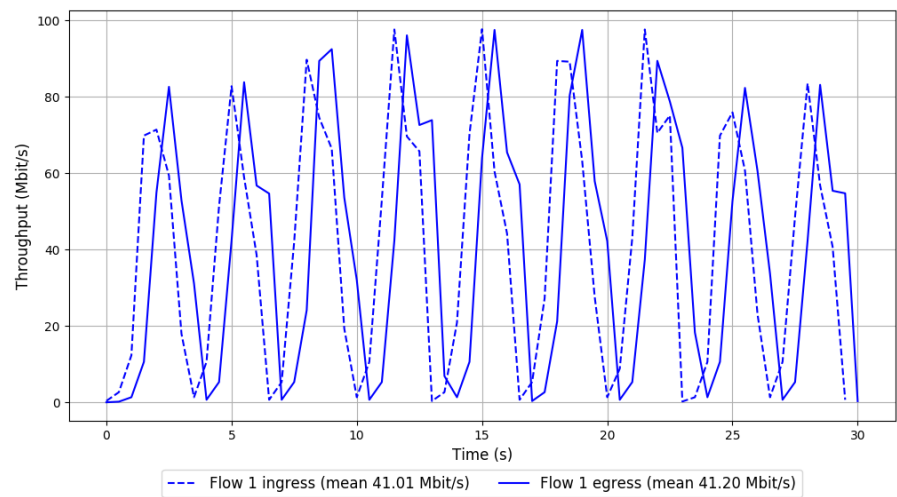
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-07-10 13:26:24
End at: 2018-07-10 13:26:54
Local clock offset: -0.199 ms
Remote clock offset: 5.912 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 92.016 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 92.016 ms
Loss rate: 0.14%
```
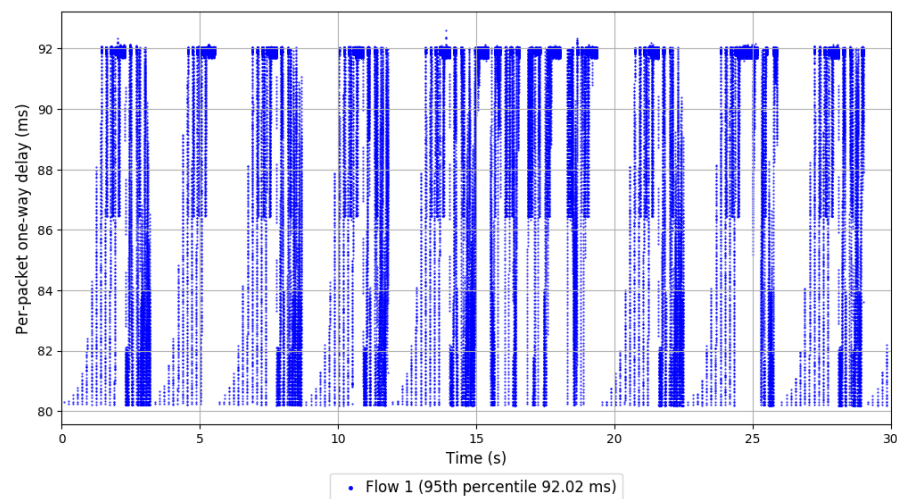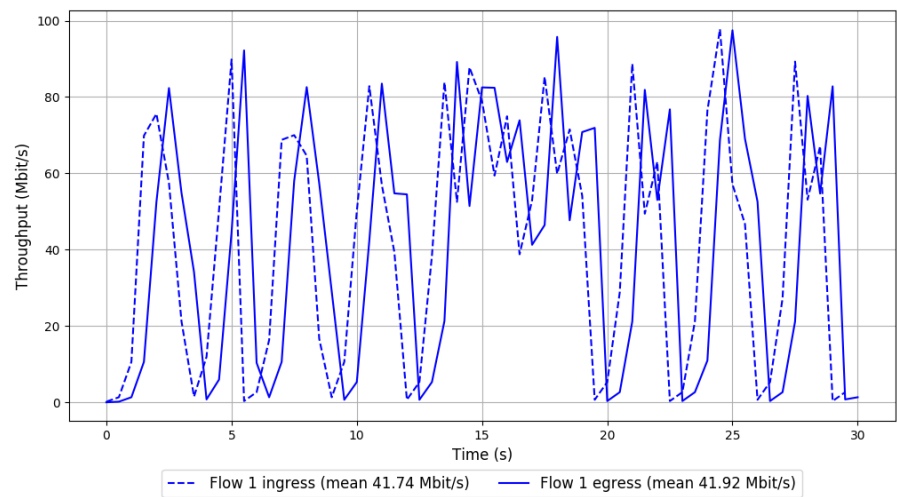
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-07-10 13:46:07
End at: 2018-07-10 13:46:37
Local clock offset: -0.116 ms
Remote clock offset: 10.76 ms


# Below is generated by plot.py at 2018-07-10 15:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 91.045 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 91.045 ms
Loss rate: 0.10%
```
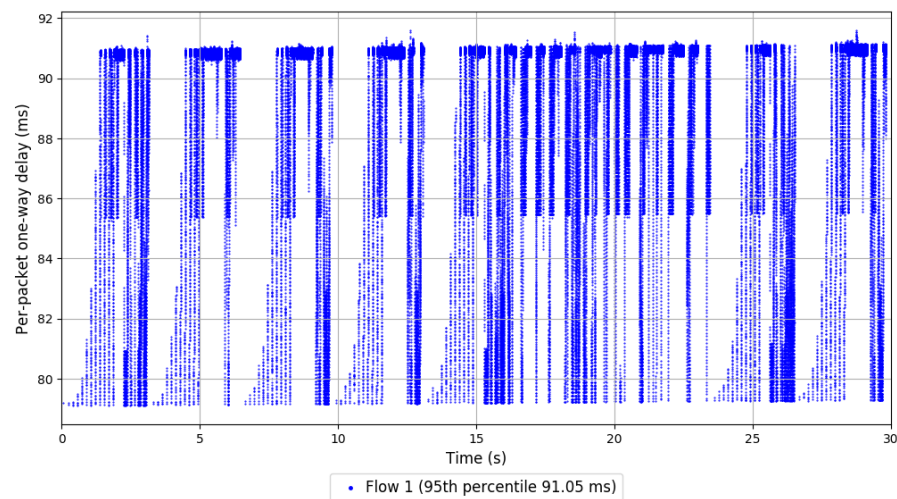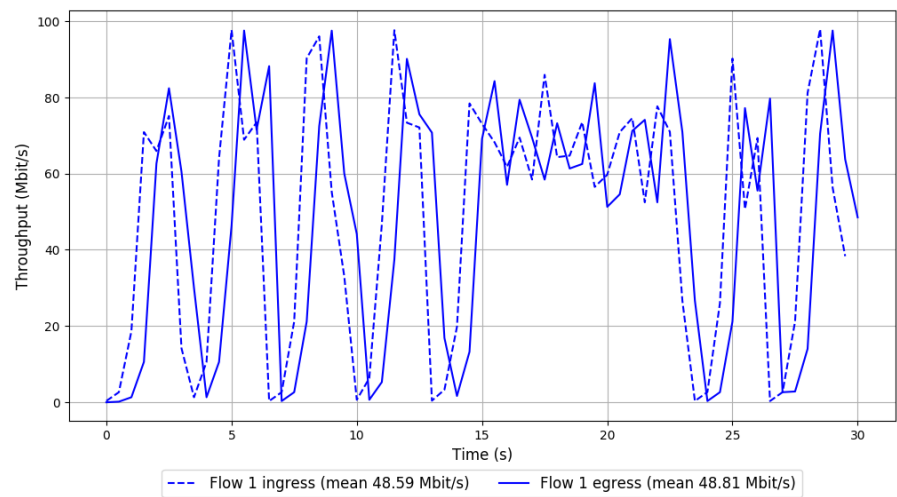
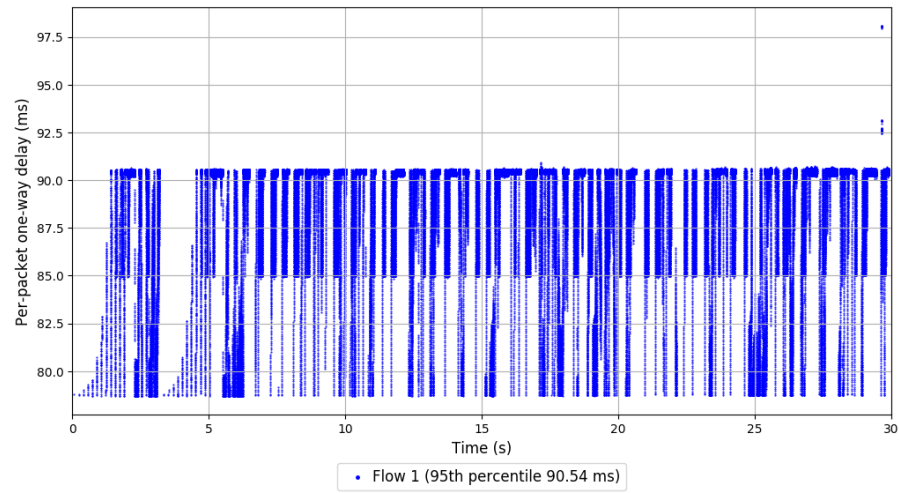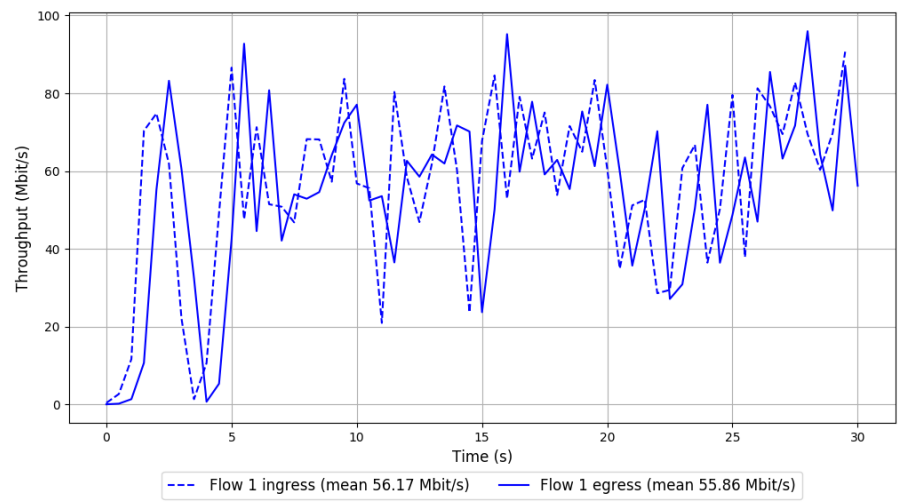Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2018-07-10 14:05:58
End at: 2018-07-10 14:06:28
Local clock offset: -0.208 ms
Remote clock offset: 16.868 ms


# Below is generated by plot.py at 2018-07-10 15:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 90.542 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 90.542 ms
Loss rate: 1.08%
```

Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 56.17 Mbit/s) --- Flow 1 egress (mean 55.86 Mbit/s)

Flow 1 (95th percentile 90.54 ms)

```
Run 7: Statistics of Verus

Start at: 2018-07-10 14:25:54
End at: 2018-07-10 14:26:24
Local clock offset: -0.153 ms
Remote clock offset: 8.509 ms


# Below is generated by plot.py at 2018-07-10 15:54:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 90.918 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 90.918 ms
Loss rate: 0.09%
```
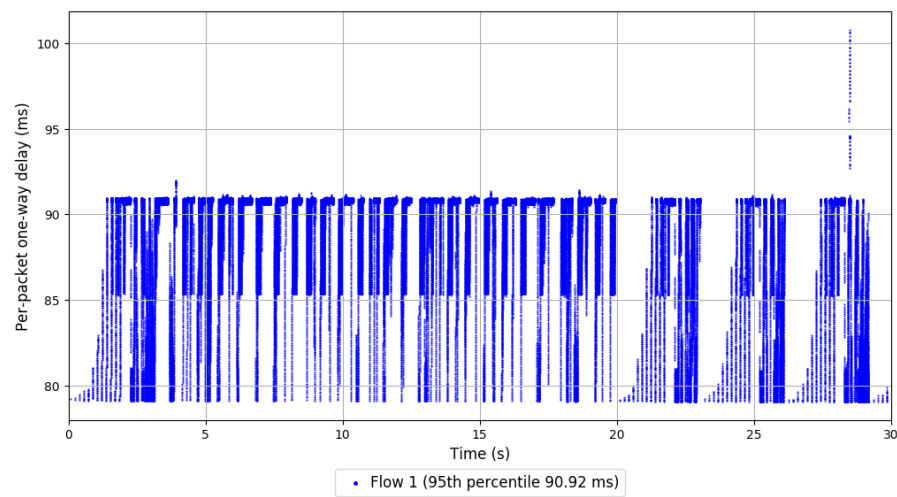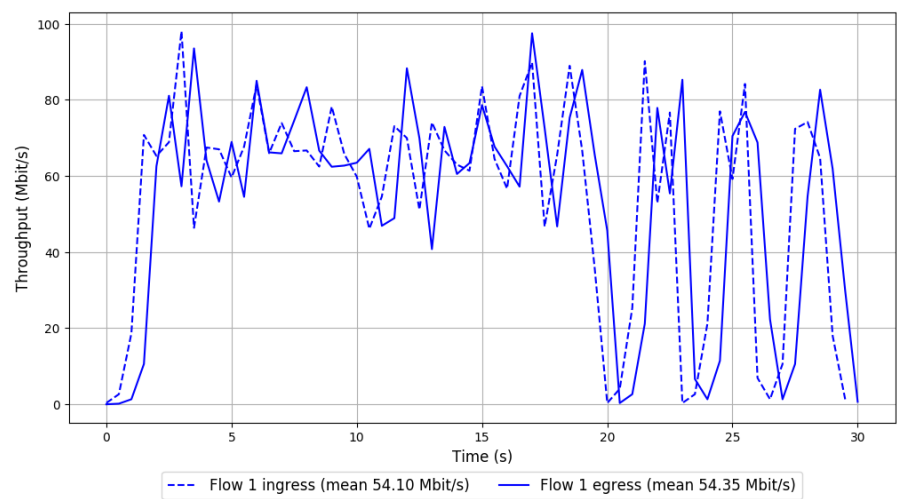
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-07-10 14:45:55
End at: 2018-07-10 14:46:25
Local clock offset: -0.17 ms
Remote clock offset: 4.135 ms


# Below is generated by plot.py at 2018-07-10 15:54:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 96.040 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 96.040 ms
Loss rate: 3.82%
```
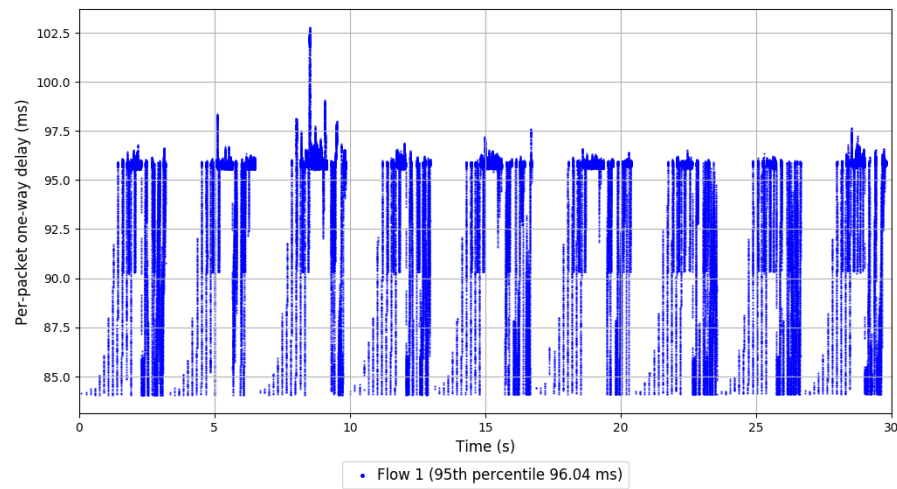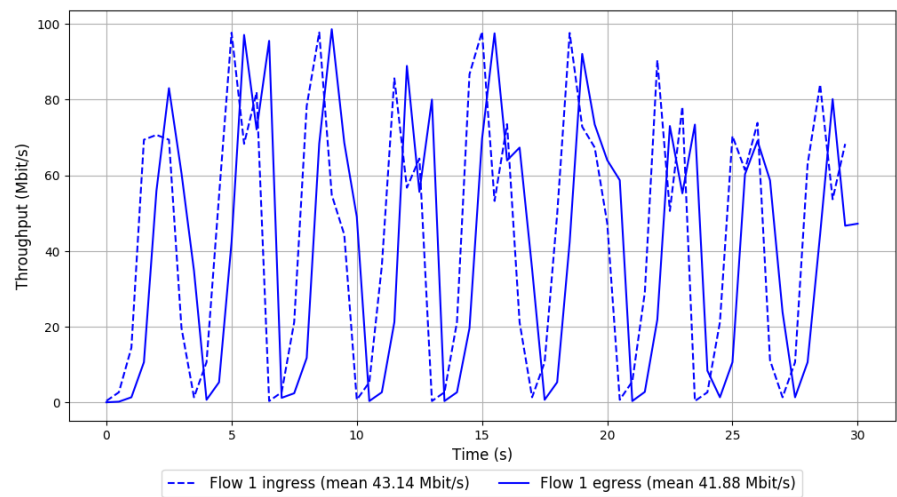
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 43.14 Mbit/s) — — —   Flow 1 egress (mean 41.88 Mbit/s) ———

• Flow 1 (95th percentile 96.04 ms)

```
Run 9: Statistics of Verus

Start at: 2018-07-10 15:05:45
End at: 2018-07-10 15:06:15
Local clock offset: -0.224 ms
Remote clock offset: 4.899 ms


# Below is generated by plot.py at 2018-07-10 15:54:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 96.082 ms
Loss rate: 8.45%
-- Flow 1:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 96.082 ms
Loss rate: 8.45%
```
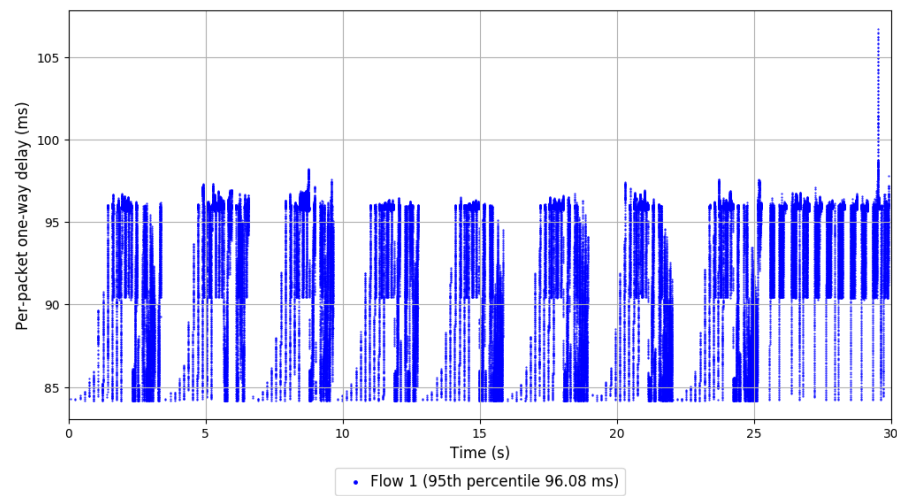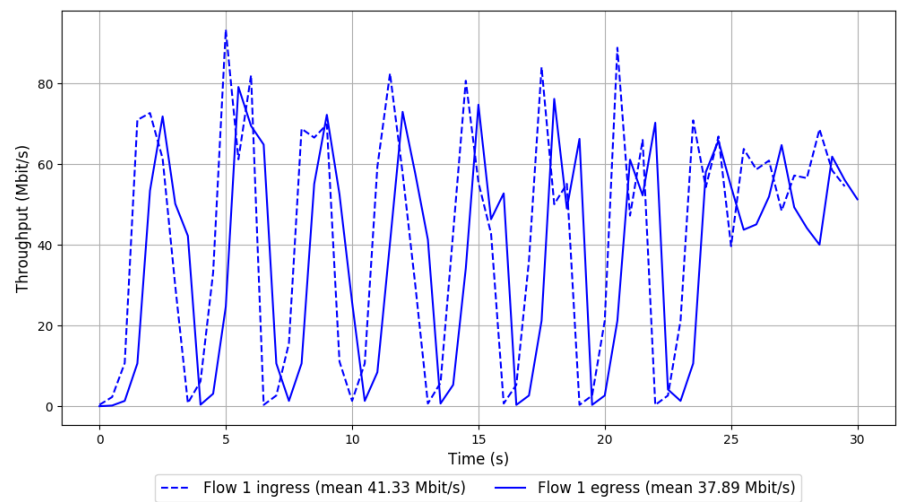
Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2018-07-10 15:25:37
End at: 2018-07-10 15:26:08
Local clock offset: -0.281 ms
Remote clock offset: 7.706 ms


# Below is generated by plot.py at 2018-07-10 15:54:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.40 Mbit/s
95th percentile per-packet one-way delay: 93.302 ms
Loss rate: 8.98%
-- Flow 1:
Average throughput: 35.40 Mbit/s
95th percentile per-packet one-way delay: 93.302 ms
Loss rate: 8.98%
```
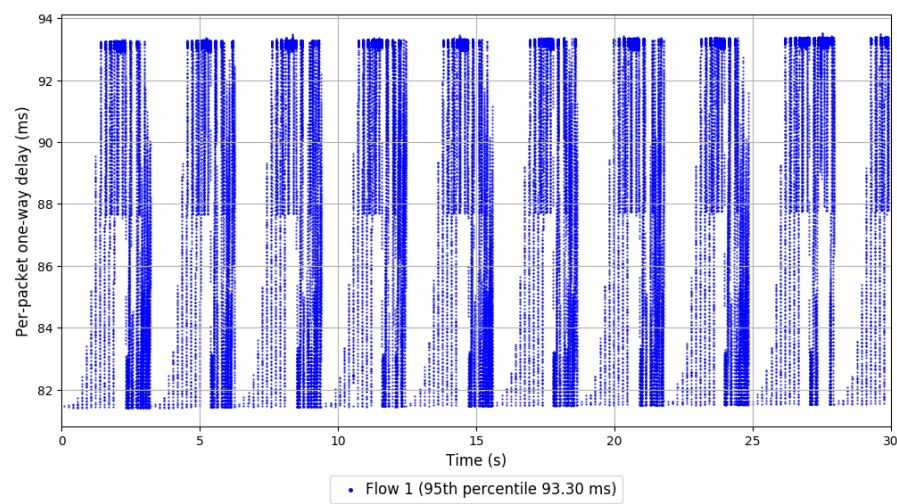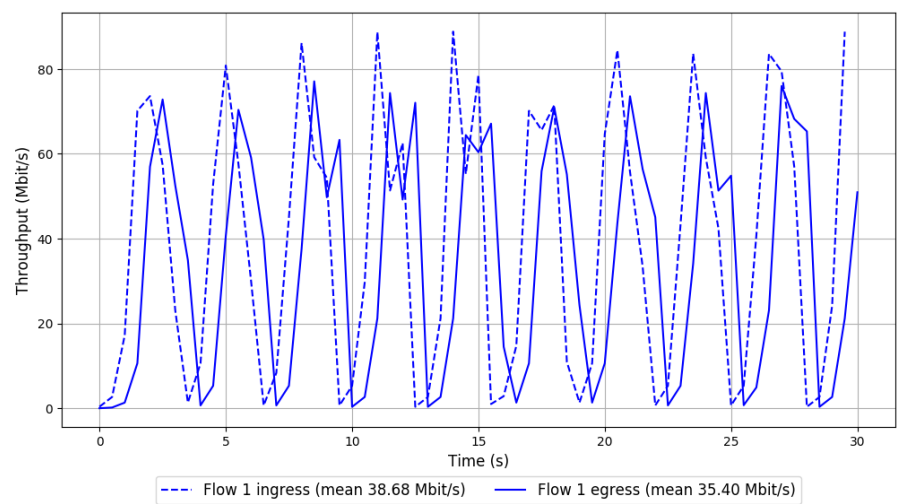
Run 10: Report of Verus — Data Link

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```
Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 12:34:59
End at: 2018-07-10 12:35:29
Local clock offset: -0.203 ms
Remote clock offset: 5.905 ms

# Below is generated by plot.py at 2018-07-10 15:54:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 93.248 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 93.248 ms
Loss rate: 0.67%
```
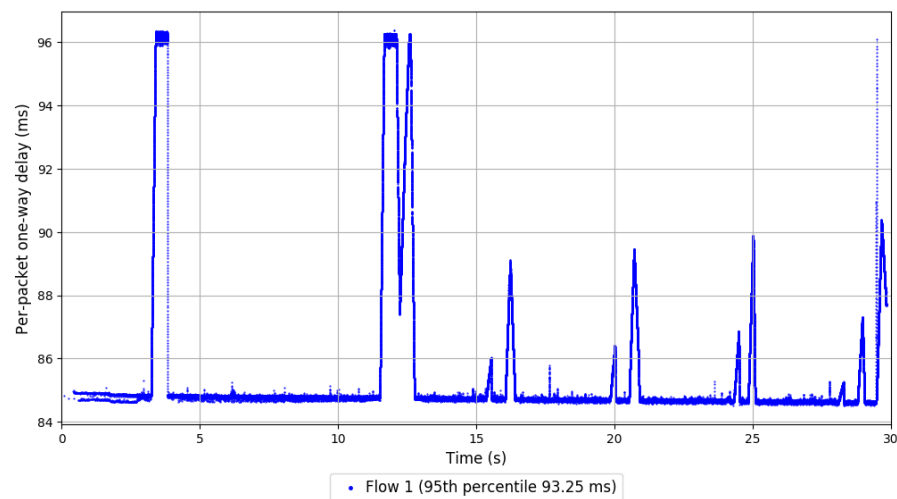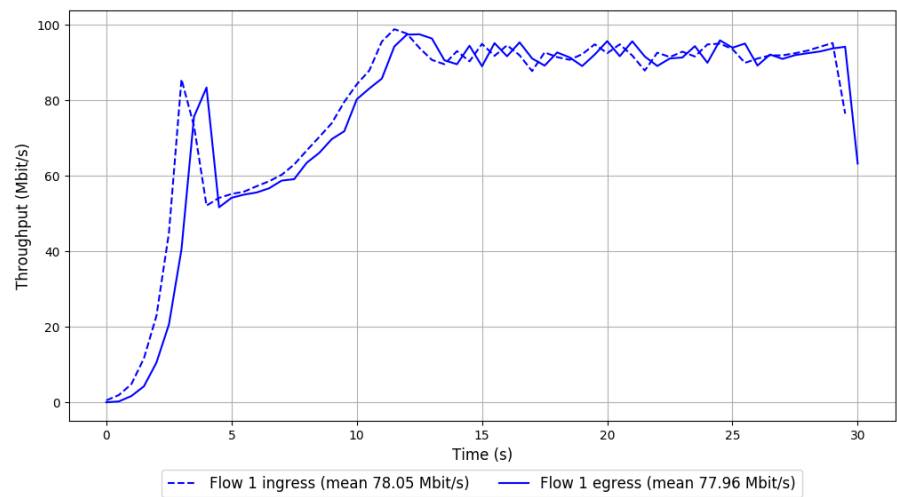
Run 1: Report of PCC-Vivace — Data Link

```
Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 12:54:49
End at: 2018-07-10 12:55:19
Local clock offset: -0.215 ms
Remote clock offset: 7.064 ms


# Below is generated by plot.py at 2018-07-10 15:54:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 87.178 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 87.178 ms
Loss rate: 0.68%
```
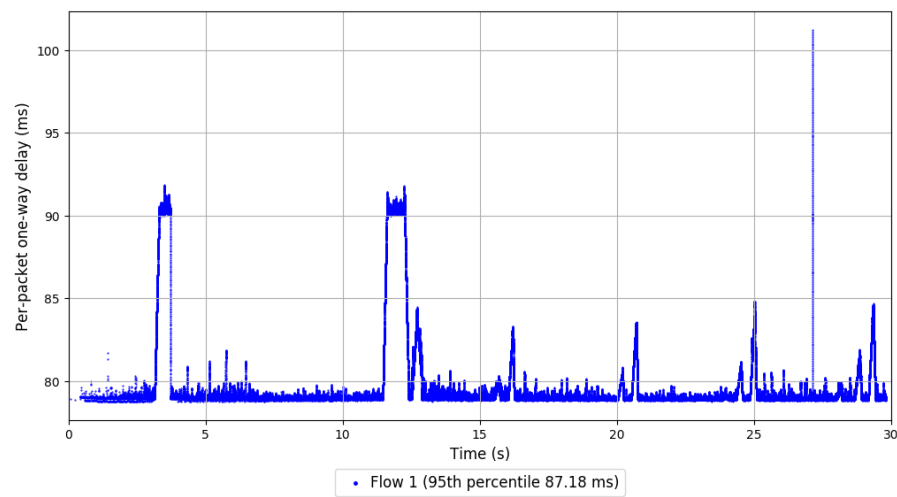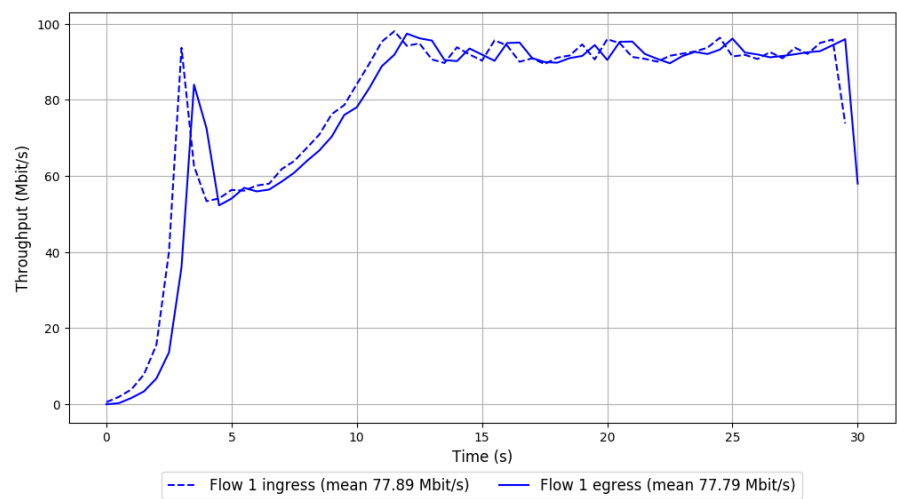
Run 2: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 77.89 Mbit/s) ----   Flow 1 egress (mean 77.79 Mbit/s) ——

• Flow 1 (95th percentile 87.18 ms)

```
Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 13:14:38
End at: 2018-07-10 13:15:08
Local clock offset: -0.21 ms
Remote clock offset: 1.096 ms


# Below is generated by plot.py at 2018-07-10 15:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.77 Mbit/s
95th percentile per-packet one-way delay: 95.226 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 77.77 Mbit/s
95th percentile per-packet one-way delay: 95.226 ms
Loss rate: 0.64%
```
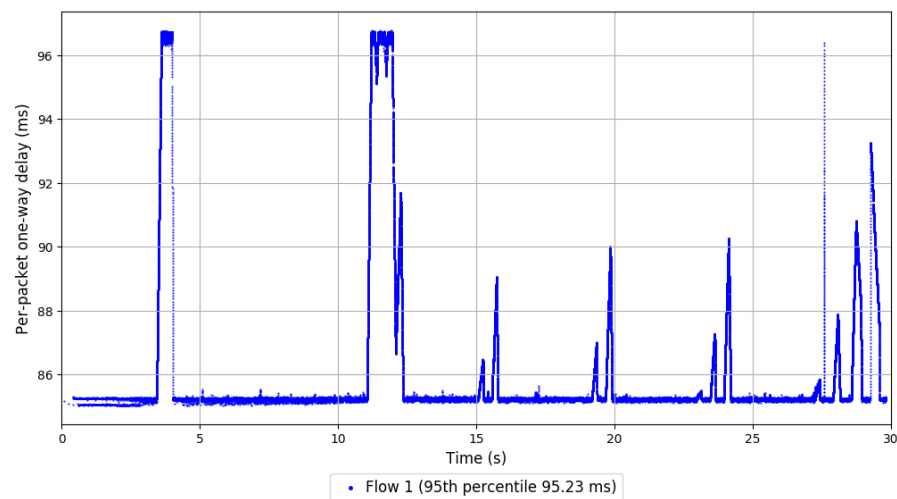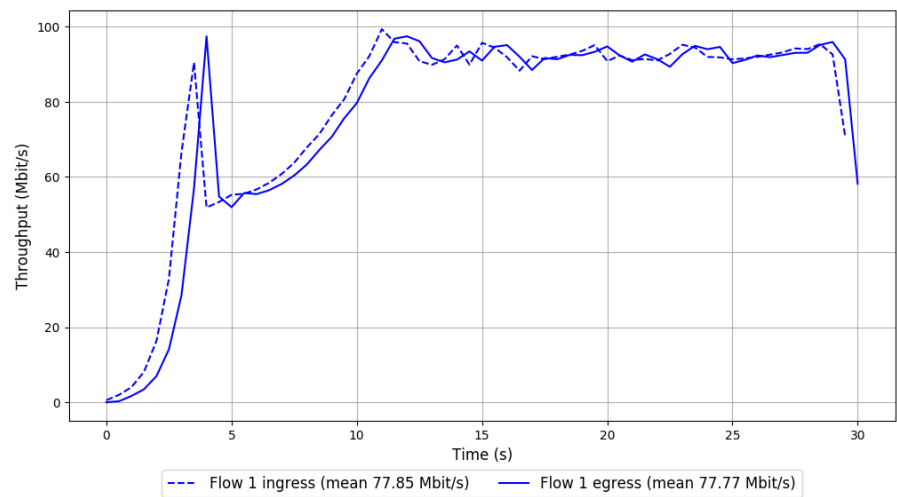
Run 3: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 77.85 Mbit/s)   Flow 1 egress (mean 77.77 Mbit/s)

Flow 1 (95th percentile 95.23 ms)

```
Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 13:34:27
End at: 2018-07-10 13:34:57
Local clock offset: -0.163 ms
Remote clock offset: 0.371 ms

# Below is generated by plot.py at 2018-07-10 15:54:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 93.728 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 93.728 ms
Loss rate: 0.67%
```
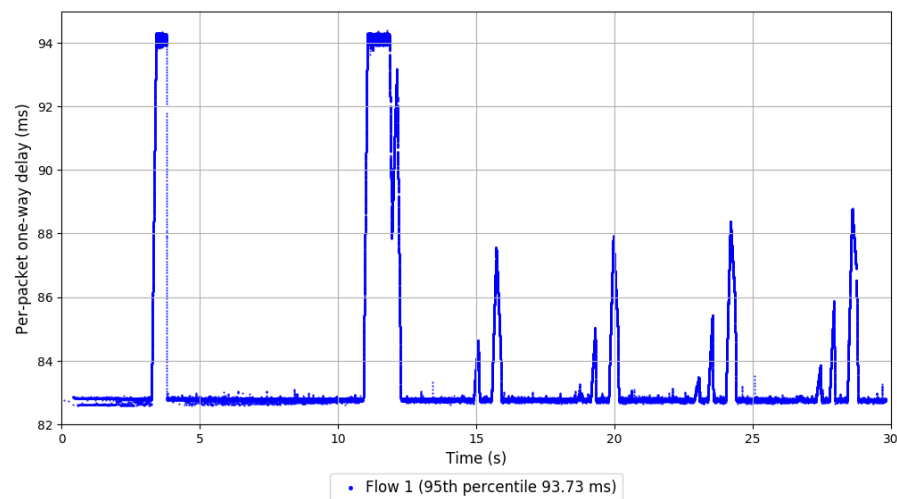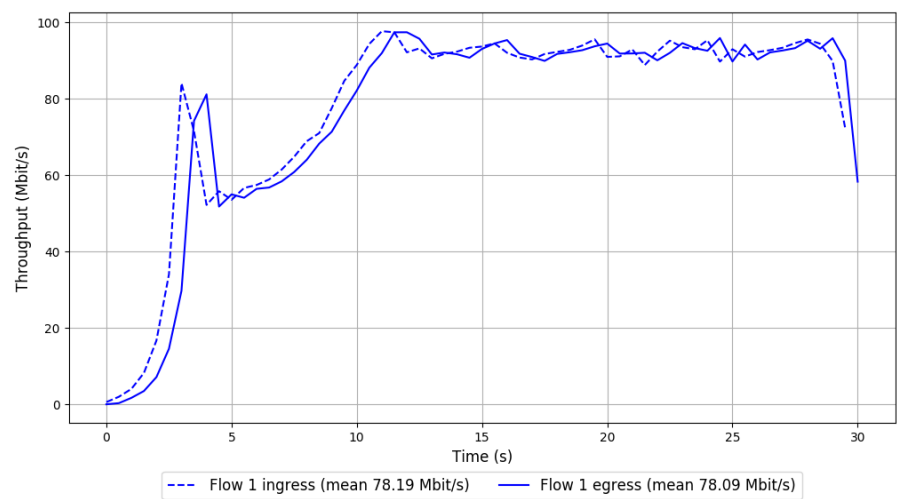
Run 4: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 78.19 Mbit/s)   Flow 1 egress (mean 78.09 Mbit/s)
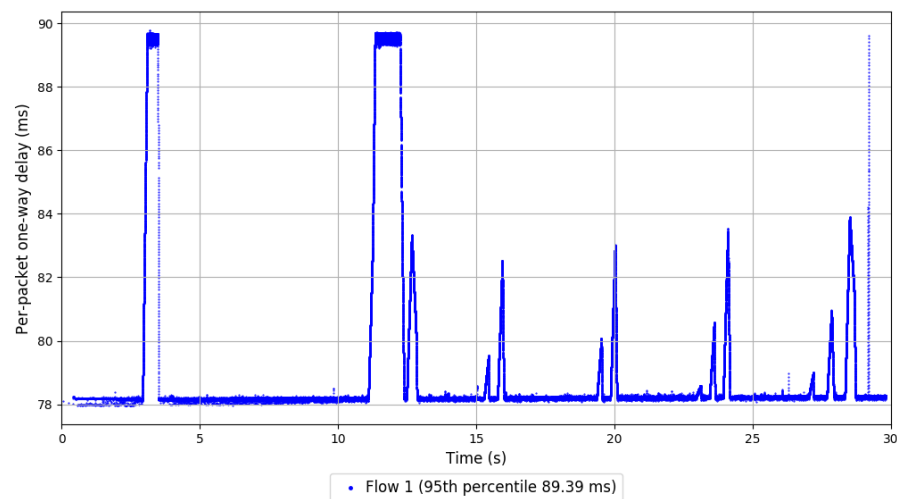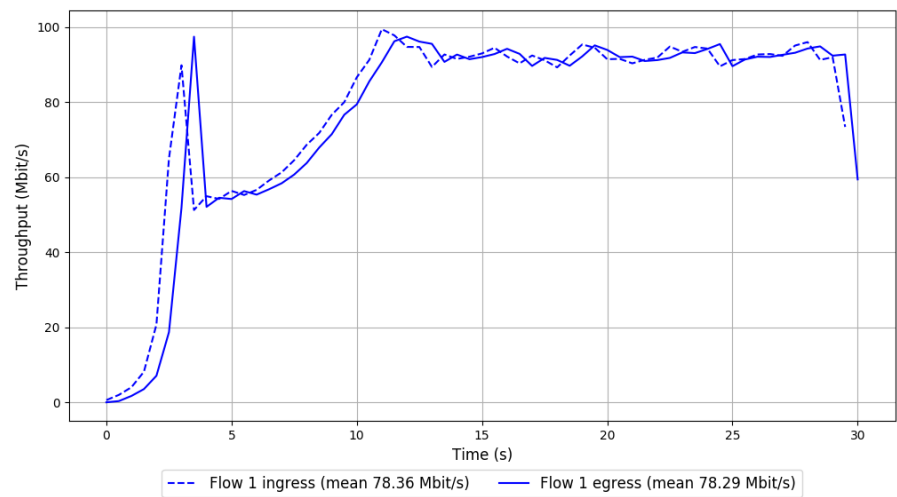

Flow 1 (95th percentile 93.73 ms)

```
Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 13:54:11
End at: 2018-07-10 13:54:42
Local clock offset: -0.149 ms
Remote clock offset: 13.918 ms


# Below is generated by plot.py at 2018-07-10 15:55:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.29 Mbit/s
95th percentile per-packet one-way delay: 89.393 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 78.29 Mbit/s
95th percentile per-packet one-way delay: 89.393 ms
Loss rate: 0.62%
```

Run 5: Report of PCC-Vivace — Data Link

```
Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 14:14:02
End at: 2018-07-10 14:14:32
Local clock offset: -0.133 ms
Remote clock offset: 9.6 ms


# Below is generated by plot.py at 2018-07-10 15:55:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.86 Mbit/s
95th percentile per-packet one-way delay: 81.976 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 66.86 Mbit/s
95th percentile per-packet one-way delay: 81.976 ms
Loss rate: 2.07%
```
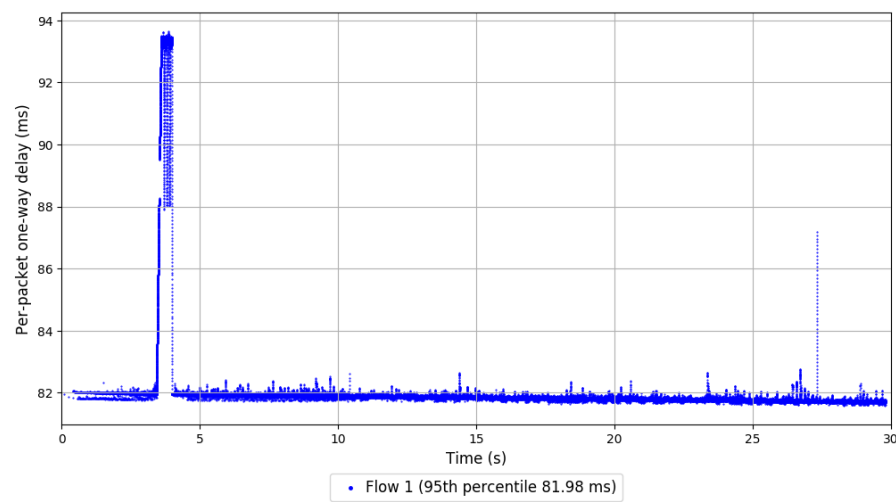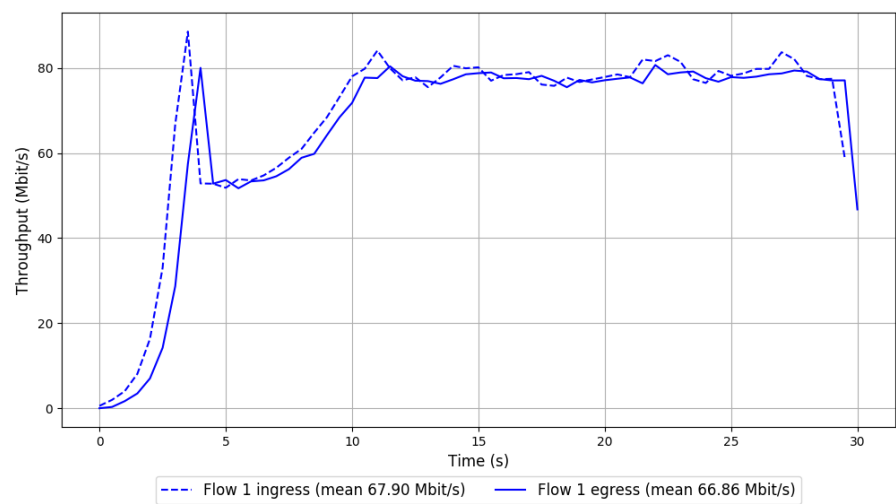
Run 6: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 67.90 Mbit/s) ----   Flow 1 egress (mean 66.86 Mbit/s) ——

• Flow 1 (95th percentile 81.98 ms)

```
Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 14:34:07
End at: 2018-07-10 14:34:37
Local clock offset: -0.112 ms
Remote clock offset: 3.365 ms


# Below is generated by plot.py at 2018-07-10 15:55:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 91.224 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 91.224 ms
Loss rate: 0.66%
```
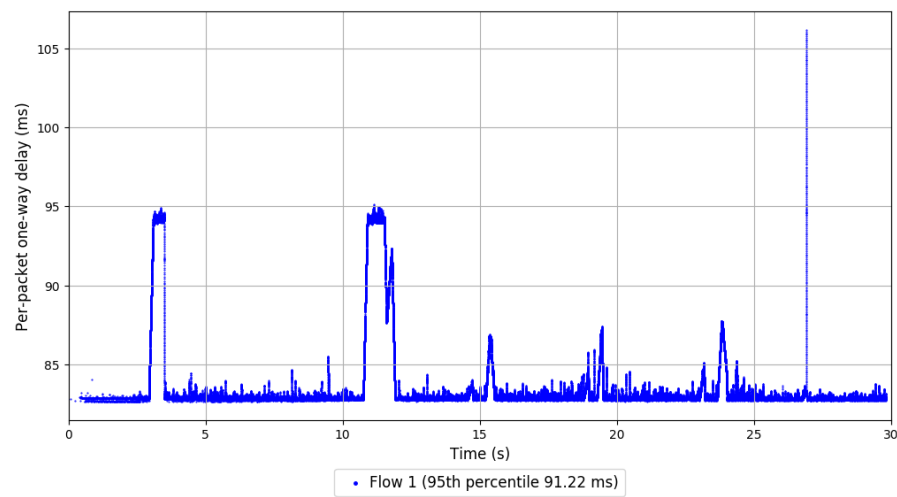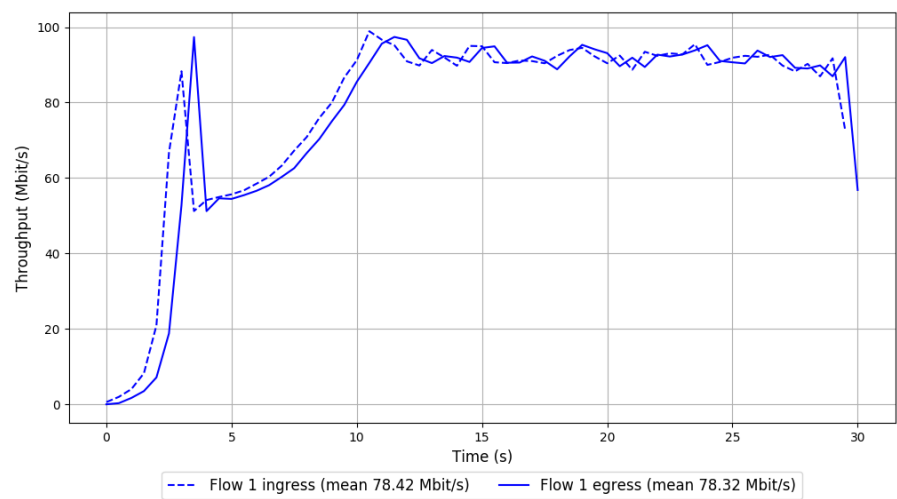
Run 7: Report of PCC-Vivace — Data Link

```
Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 14:53:58
End at: 2018-07-10 14:54:28
Local clock offset: -0.219 ms
Remote clock offset: 3.699 ms


# Below is generated by plot.py at 2018-07-10 15:55:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 94.399 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 94.399 ms
Loss rate: 0.76%
```
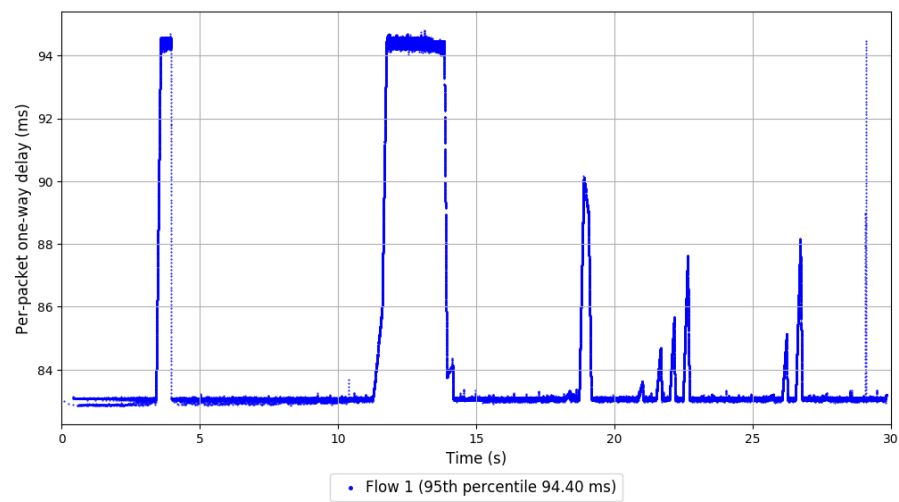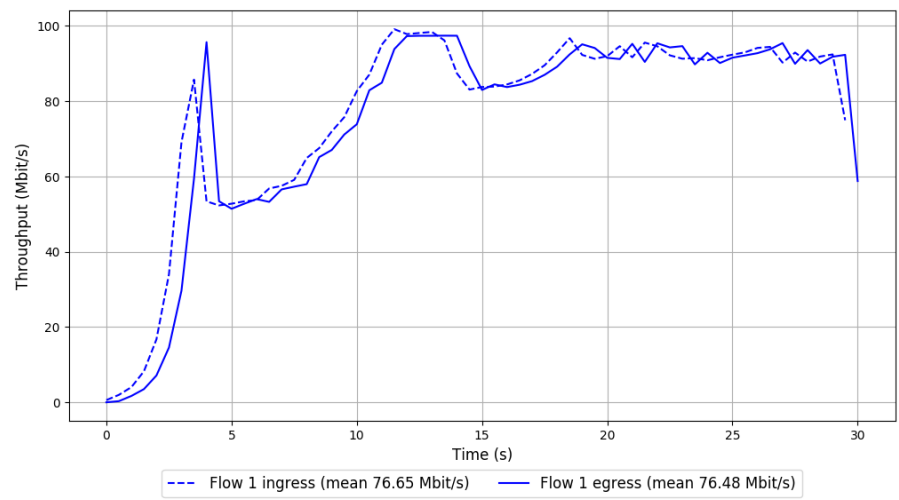
Run 8: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 76.65 Mbit/s) — — — Flow 1 egress (mean 76.48 Mbit/s)

Flow 1 (95th percentile 94.40 ms)

```
Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 15:13:49
End at: 2018-07-10 15:14:19
Local clock offset: -0.244 ms
Remote clock offset: 8.876 ms

# Below is generated by plot.py at 2018-07-10 15:55:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 88.231 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 88.231 ms
Loss rate: 0.65%
```
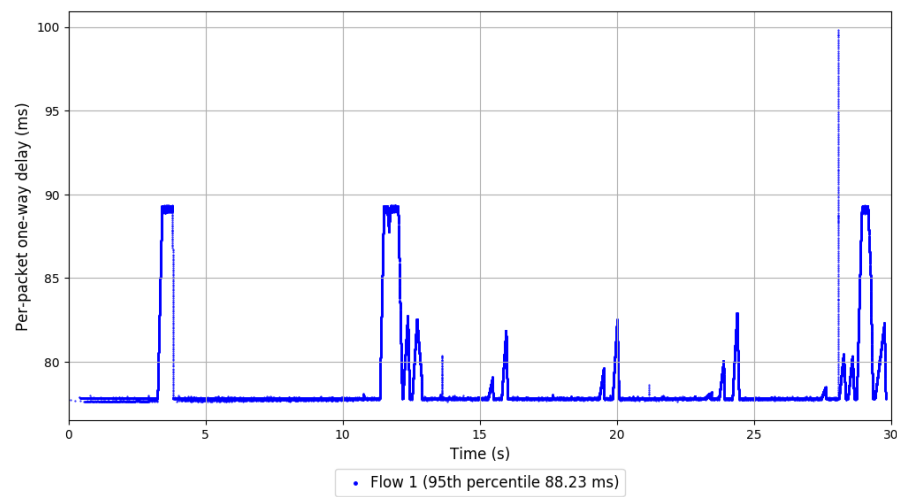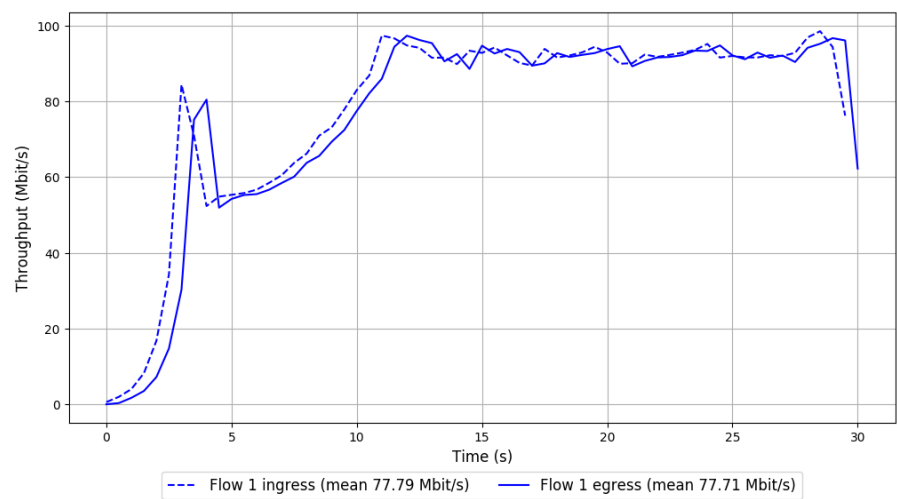
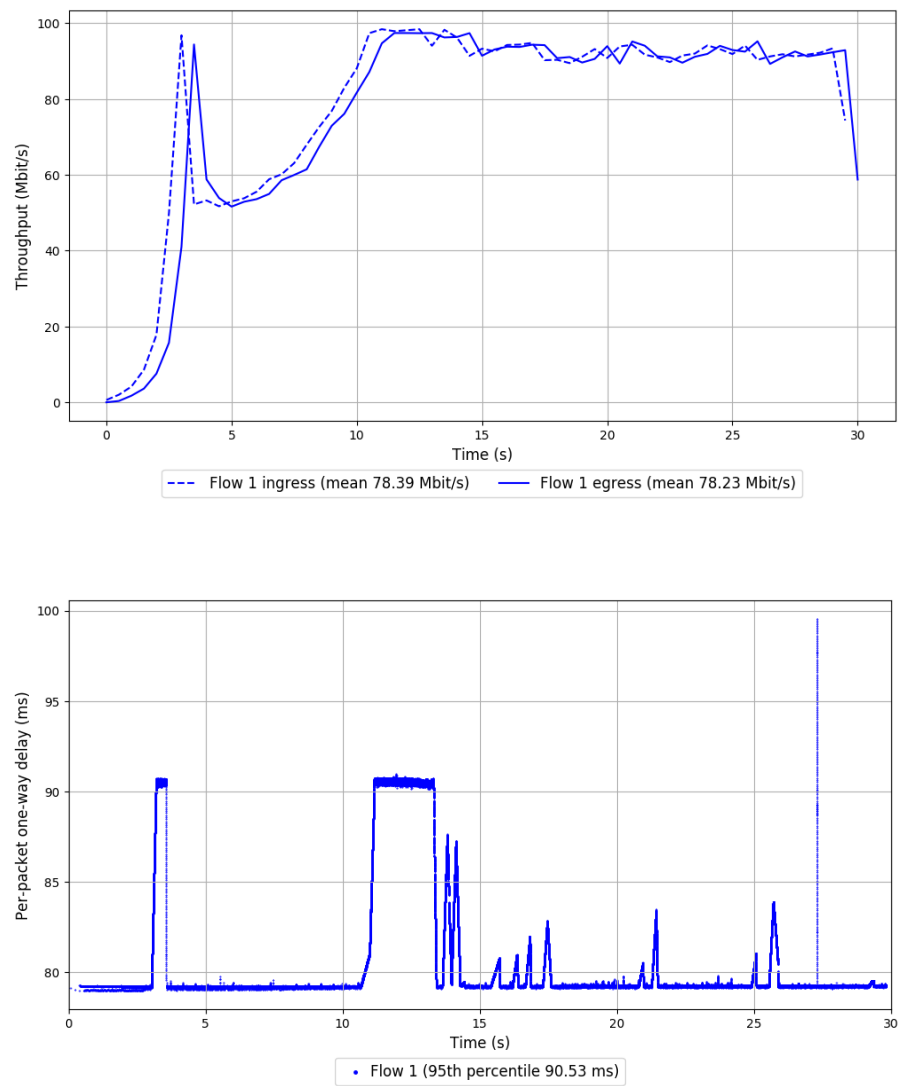# Run 9: Report of PCC-Vivace — Data Link

```
Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 15:34:00
End at: 2018-07-10 15:34:30
Local clock offset: -0.256 ms
Remote clock offset: 14.347 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 90.531 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 90.531 ms
Loss rate: 0.73%
```

Run 10: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 78.39 Mbit/s) — Flow 1 egress (mean 78.23 Mbit/s)
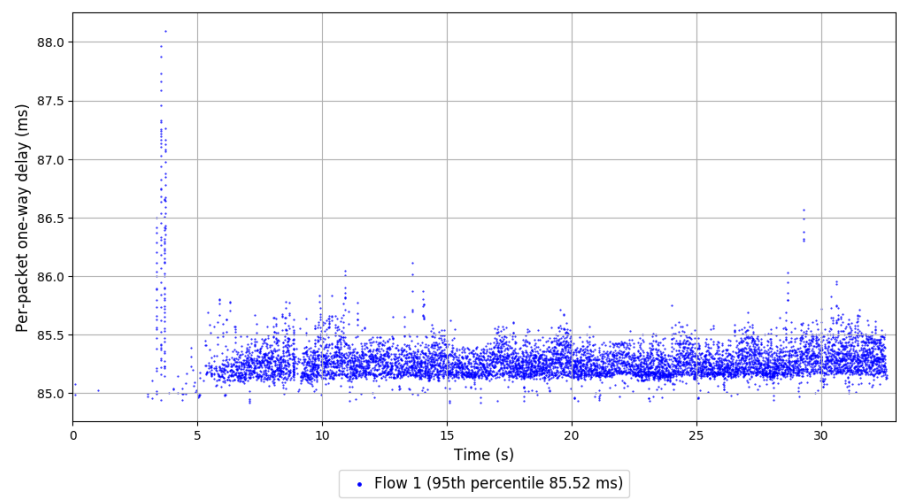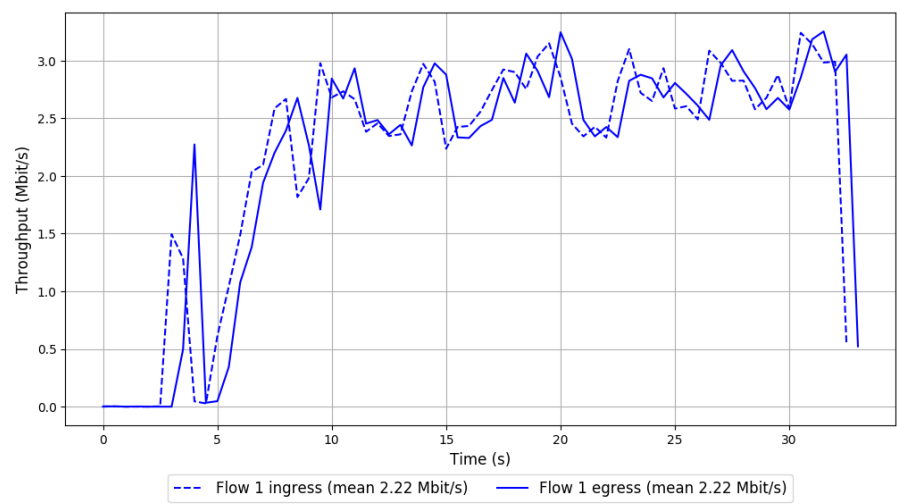

Flow 1 (95th percentile 90.53 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2018-07-10 12:23:29
End at: 2018-07-10 12:23:59
Local clock offset: -0.198 ms
Remote clock offset: 10.294 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 85.517 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 85.517 ms
Loss rate: 0.32%
```

Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.22 Mbit/s)   Flow 1 egress (mean 2.22 Mbit/s)

Flow 1 (95th percentile 85.52 ms)

```
Run 2: Statistics of WebRTC media

Start at: 2018-07-10 12:43:19
End at: 2018-07-10 12:43:50
Local clock offset: -0.259 ms
Remote clock offset: 6.828 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 78.966 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 78.966 ms
Loss rate: 0.32%
```
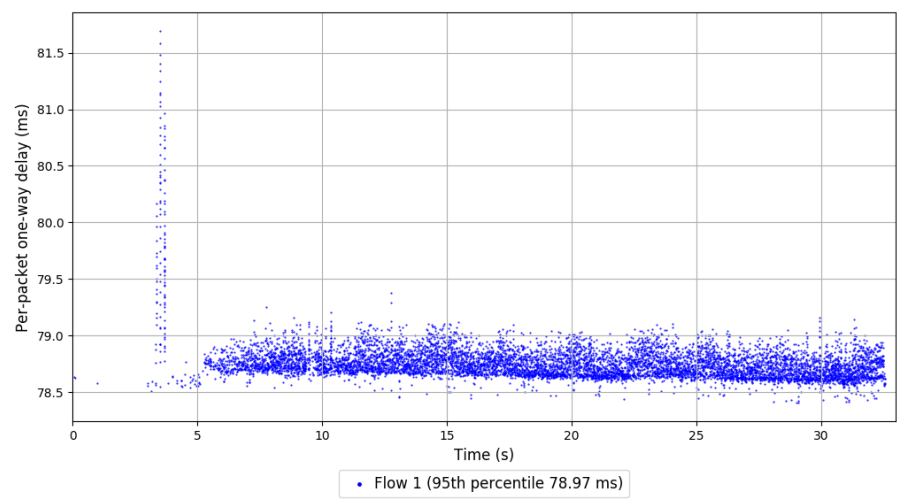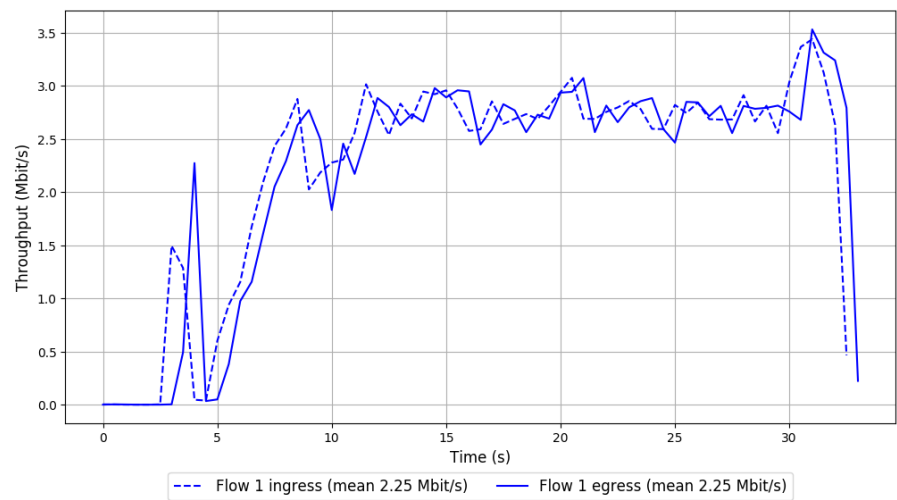
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-07-10 13:03:09
End at: 2018-07-10 13:03:39
Local clock offset: -0.21 ms
Remote clock offset: 5.163 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 78.815 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 78.815 ms
Loss rate: 0.26%
```
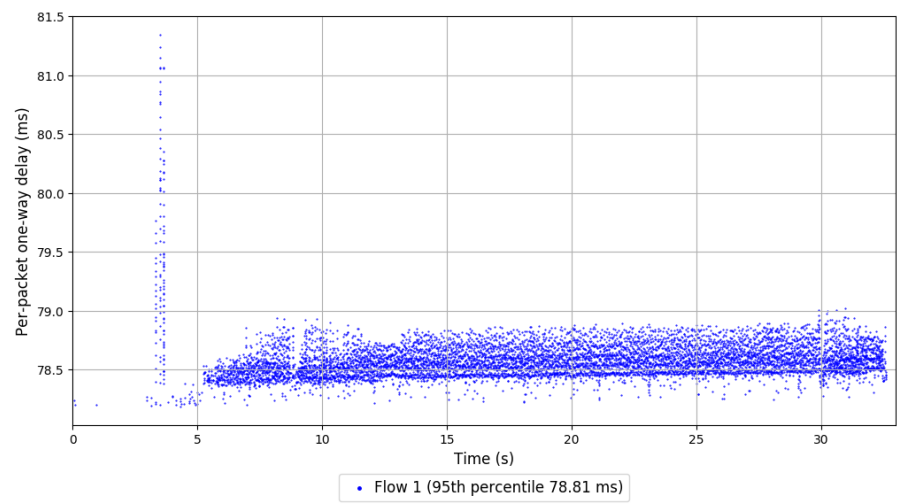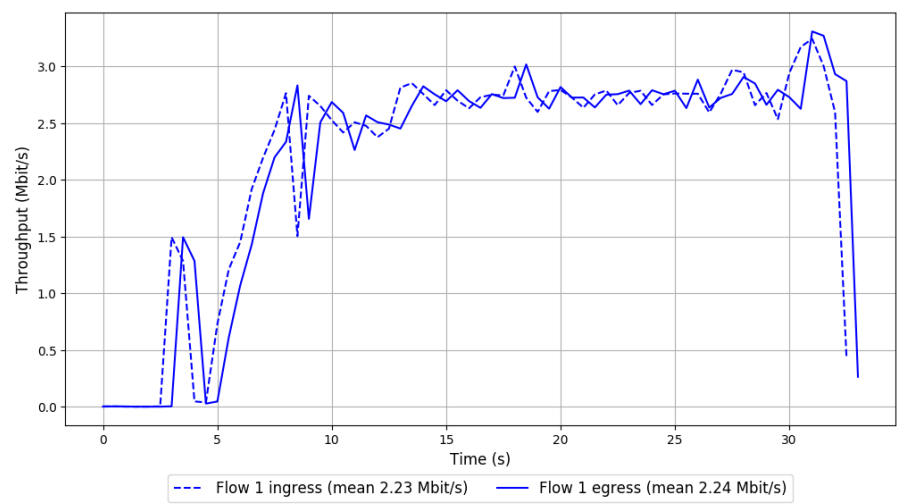
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-07-10 13:22:57
End at: 2018-07-10 13:23:27
Local clock offset: -0.194 ms
Remote clock offset: 4.775 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 81.429 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 81.429 ms
Loss rate: 0.46%
```
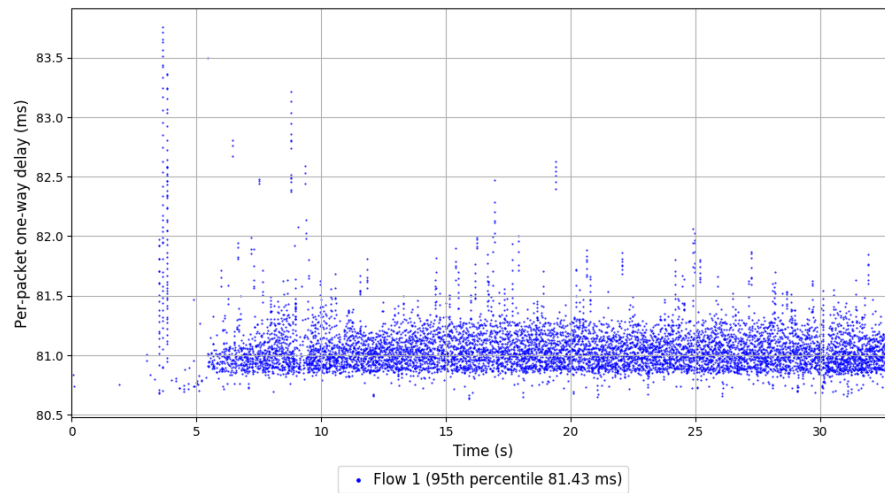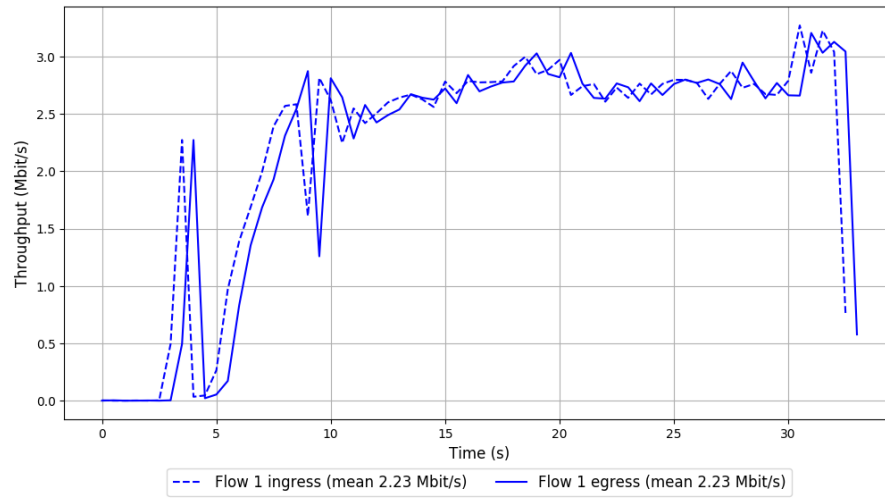
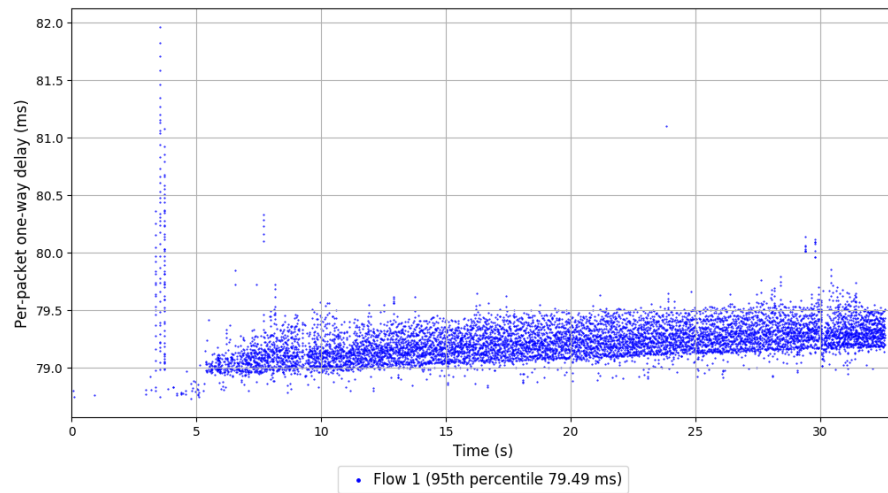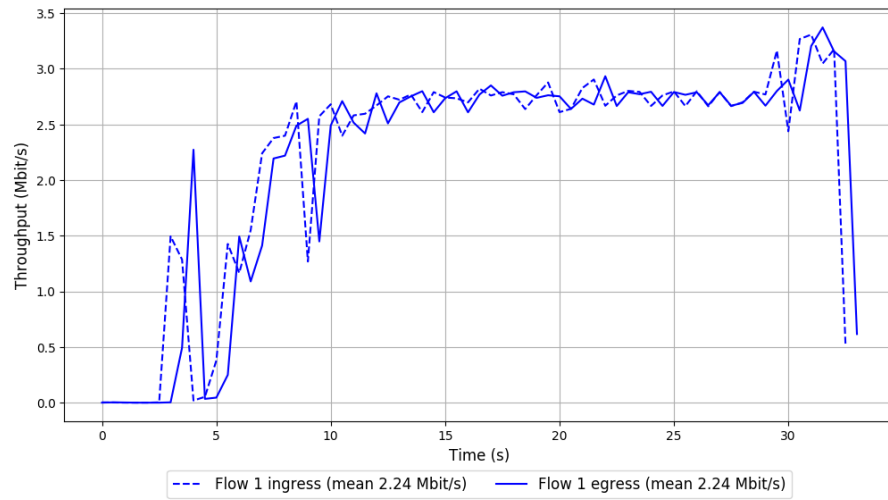Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2018-07-10 13:42:41
End at: 2018-07-10 13:43:11
Local clock offset: -0.132 ms
Remote clock offset: 11.274 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 79.486 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 79.486 ms
Loss rate: 0.28%
```

Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.24 Mbit/s)   Flow 1 egress (mean 2.24 Mbit/s)
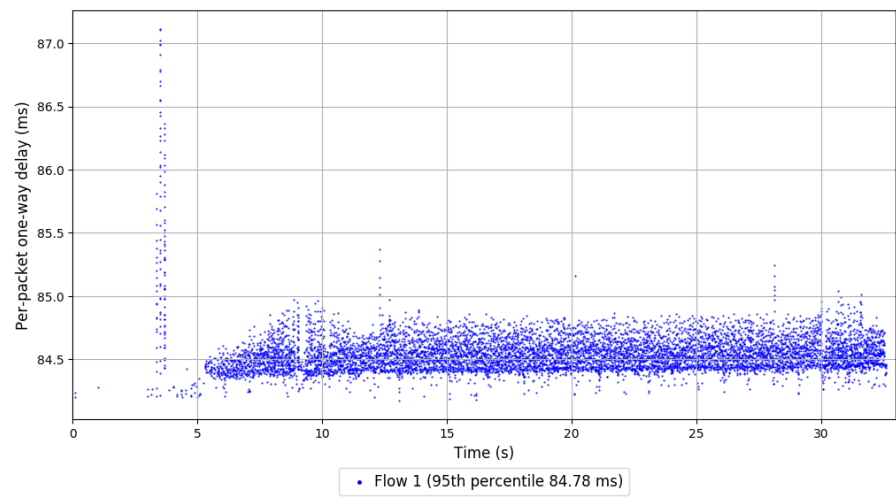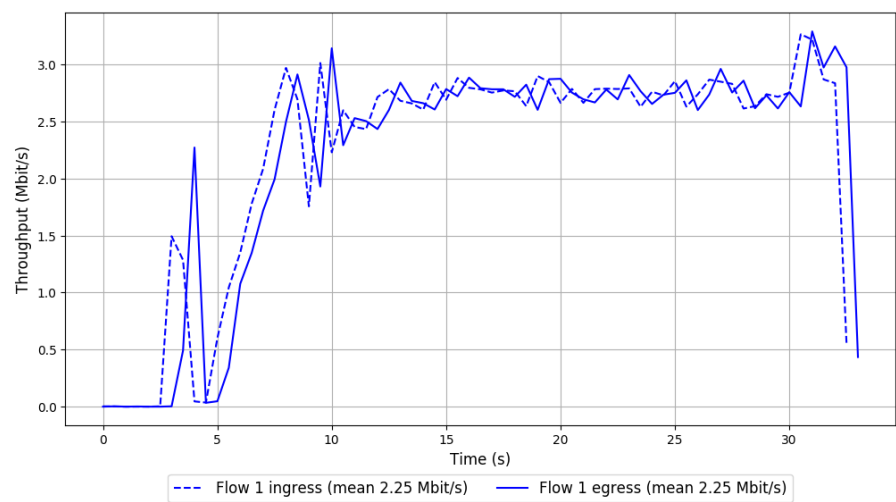

Flow 1 (95th percentile 79.49 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-07-10 14:02:32
End at: 2018-07-10 14:03:02
Local clock offset: -0.15 ms
Remote clock offset: 11.241 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 84.777 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 84.777 ms
Loss rate: 0.32%
```

Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-07-10 14:22:27
End at: 2018-07-10 14:22:57
Local clock offset: -0.161 ms
Remote clock offset: 6.339 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 83.964 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 83.964 ms
Loss rate: 0.26%
```
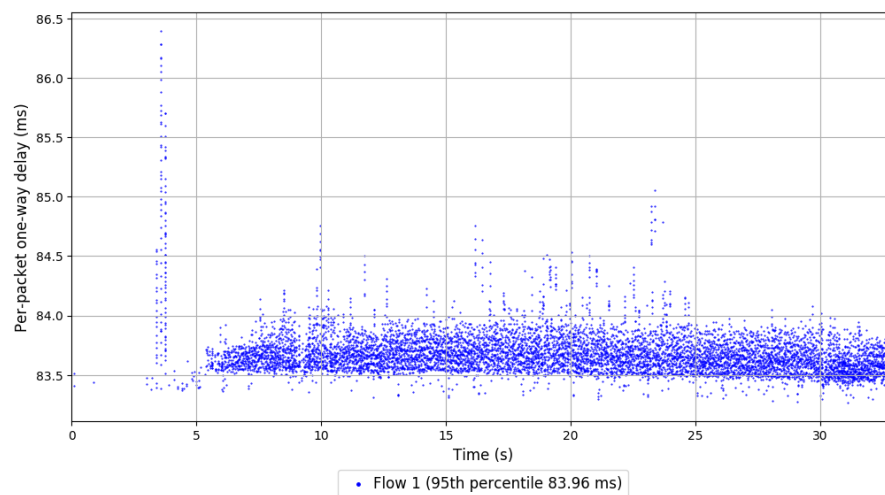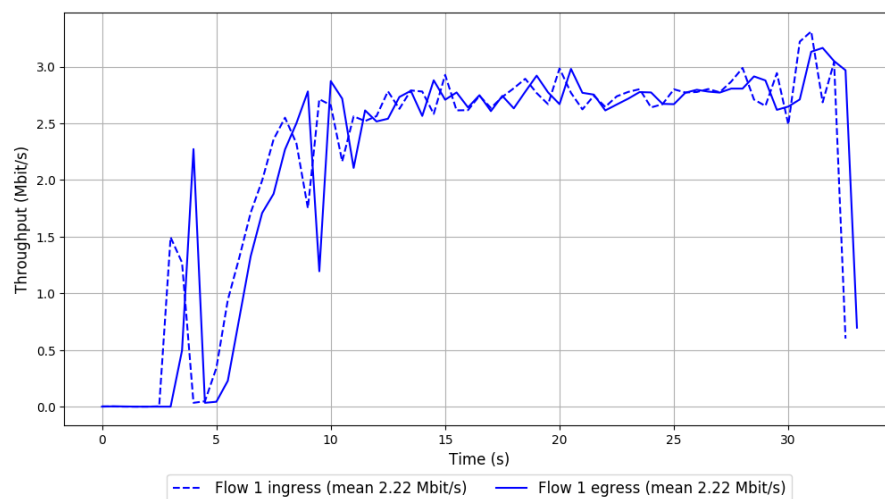
Run 7: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.22 Mbit/s)   Flow 1 egress (mean 2.22 Mbit/s)

Flow 1 (95th percentile 83.96 ms)

```
Run 8: Statistics of WebRTC media

Start at: 2018-07-10 14:42:28
End at: 2018-07-10 14:42:58
Local clock offset: -0.179 ms
Remote clock offset: 8.98 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 79.551 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 79.551 ms
Loss rate: 0.29%
```
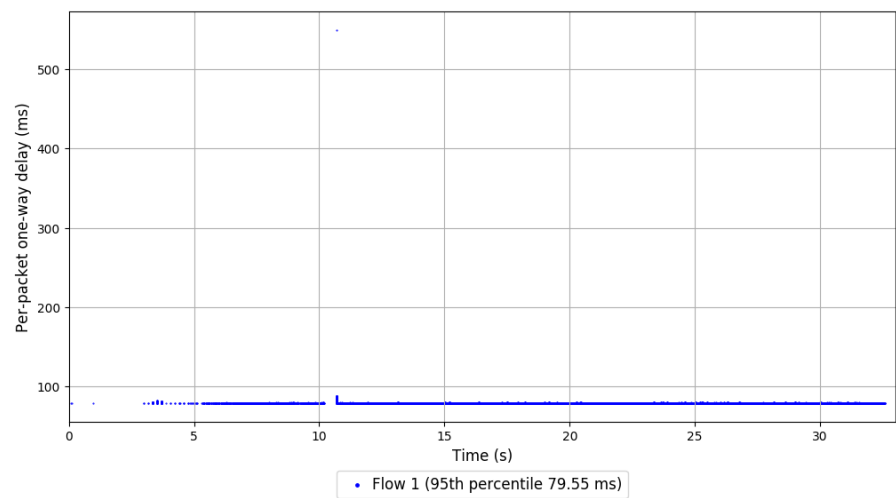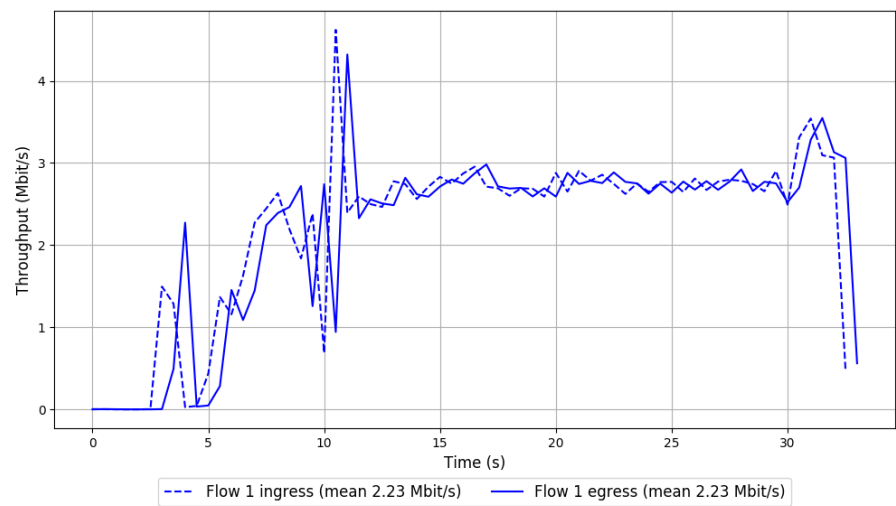
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-07-10 15:02:19
End at: 2018-07-10 15:02:49
Local clock offset: -0.223 ms
Remote clock offset: 4.94 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 82.549 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 82.549 ms
Loss rate: 0.28%
```
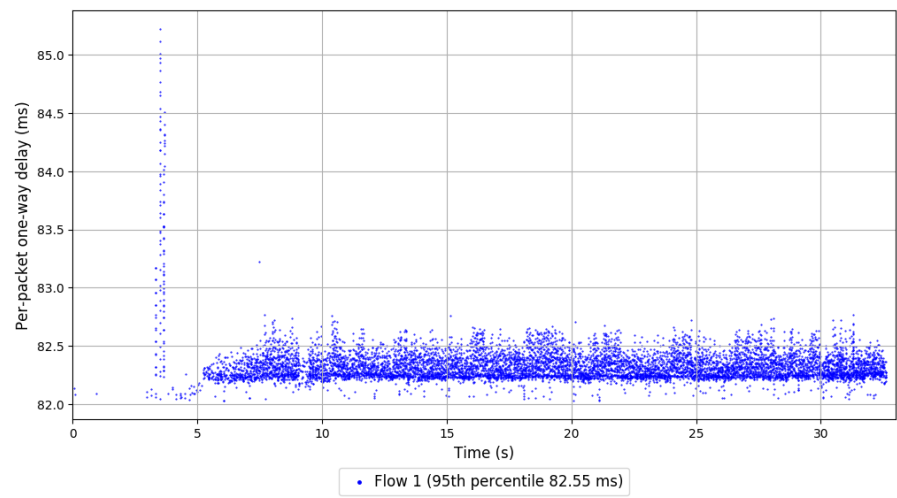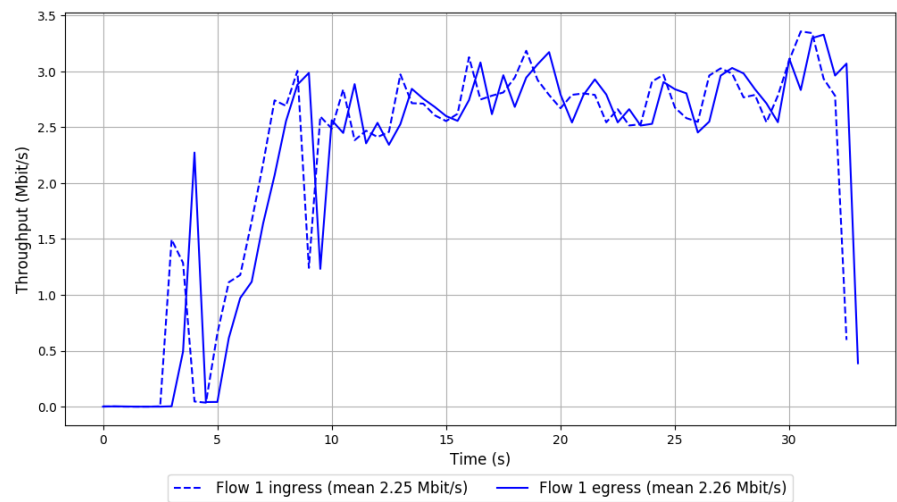
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.25 Mbit/s)   Flow 1 egress (mean 2.26 Mbit/s)

Flow 1 (95th percentile 82.55 ms)

```
Run 10: Statistics of WebRTC media

Start at: 2018-07-10 15:22:10
End at: 2018-07-10 15:22:40
Local clock offset: -0.232 ms
Remote clock offset: 9.326 ms


# Below is generated by plot.py at 2018-07-10 15:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 81.161 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 81.161 ms
Loss rate: 0.29%
```

Run 10: Report of WebRTC media — Data Link