Pantheon Report

Generated at 2018-02-16 06:06:25 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

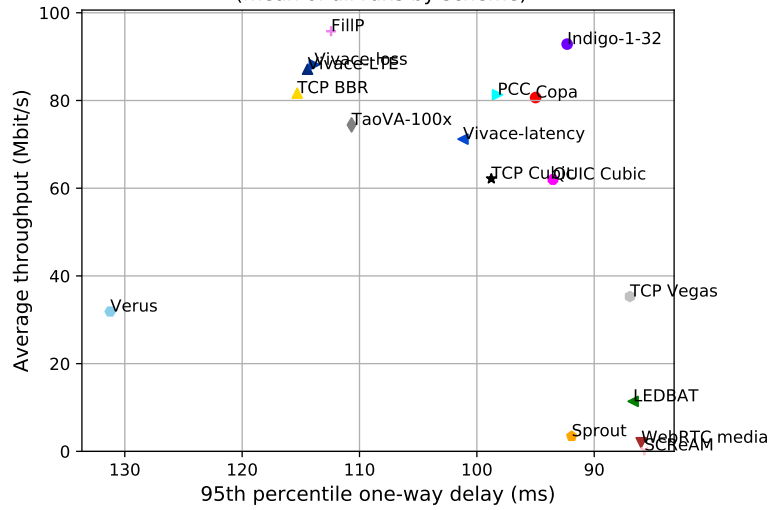Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (`fq`), and other schemes with the default Linux qdisc (`pfifo_fast`).

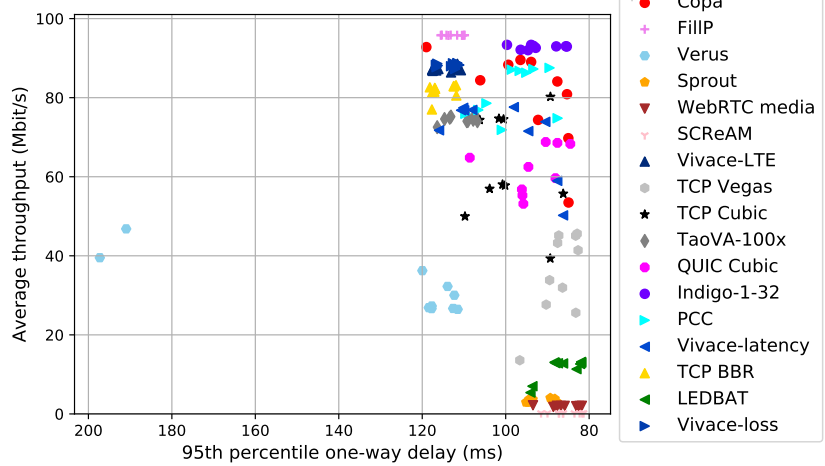NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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

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

2

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	81.67	115.31	2.04
TCP Cubic	10	62.16	98.77	0.43
LEDBAT	10	11.40	86.69	0.01
PCC	10	81.30	98.24	1.99
QUIC Cubic	9	61.99	93.52	0.26
SCReAM	10	0.22	85.73	0.01
WebRTC media	10	1.97	86.00	0.00
Sprout	10	3.45	91.92	0.00
TaoVA-100x	10	74.43	110.68	0.64
TCP Vegas	10	35.31	86.96	0.39
Verus	10	31.88	131.24	29.59
Copa	10	80.67	94.99	9.09
FillP	10	95.79	112.42	15.29
Indigo-1-32	10	92.85	92.31	0.75
Vivace-latency	10	71.19	101.19	0.10
Vivace-loss	10	88.15	113.85	2.38
Vivace-LTE	10	87.13	114.43	1.95

```
Run 1: Statistics of TCP BBR

Start at: 2018-02-16 01:59:35
End at: 2018-02-16 02:00:05
Local clock offset: -1.001 ms
Remote clock offset: 7.817 ms

# Below is generated by plot.py at 2018-02-16 05:45:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.34 Mbit/s
95th percentile per-packet one-way delay: 117.598 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 81.34 Mbit/s
95th percentile per-packet one-way delay: 117.598 ms
Loss rate: 1.96%
```
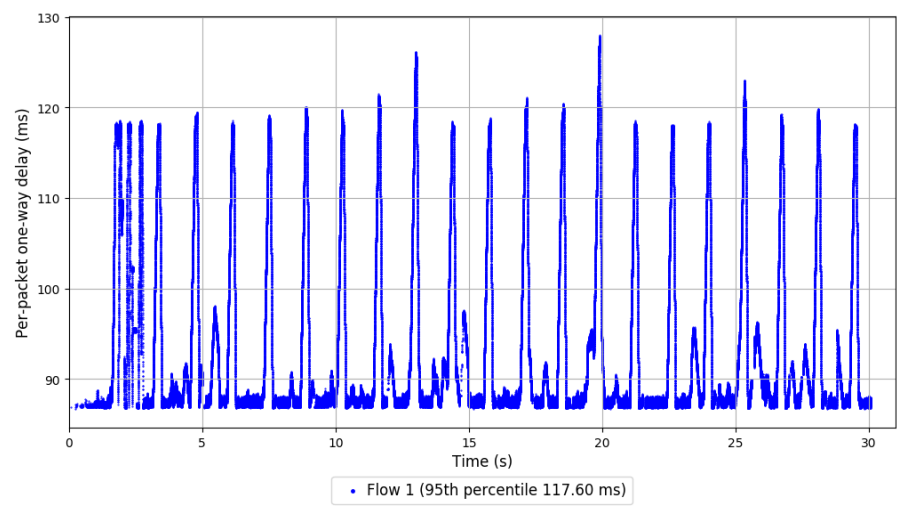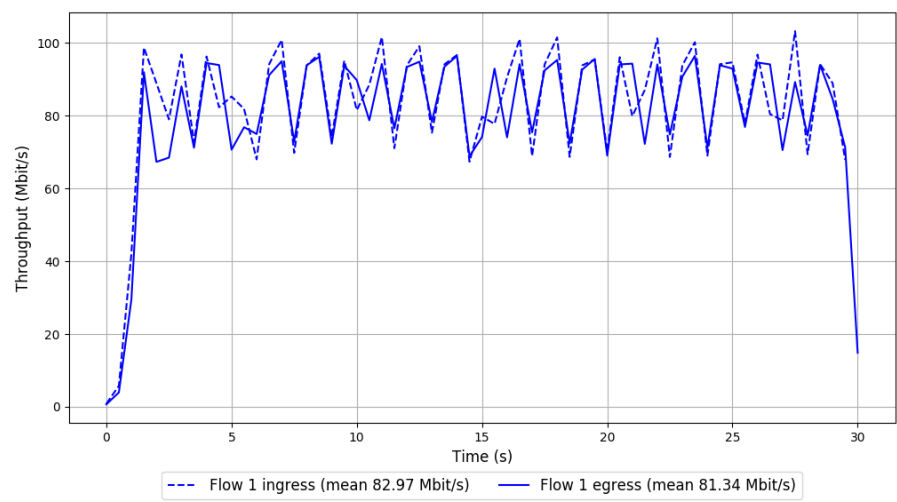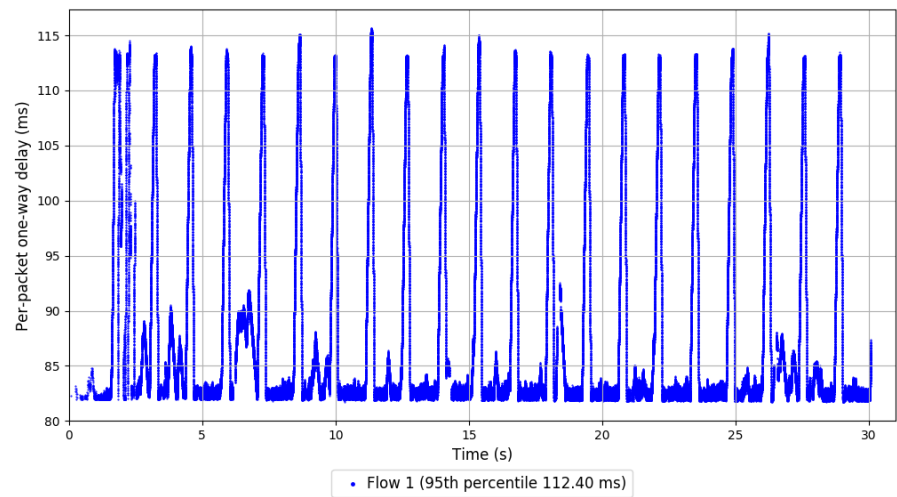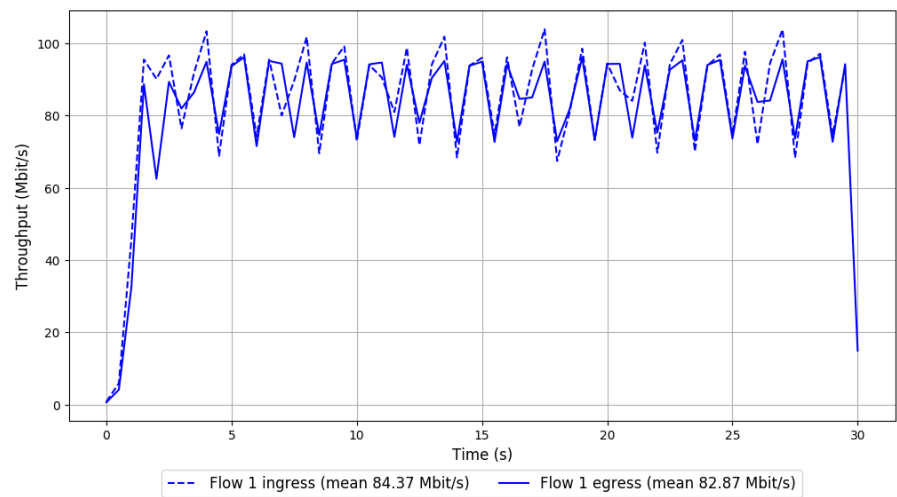
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 82.97 Mbit/s) --- Flow 1 egress (mean 81.34 Mbit/s)

Flow 1 (95th percentile 117.60 ms)

5

```
Run 2: Statistics of TCP BBR

Start at: 2018-02-16 02:21:34
End at: 2018-02-16 02:22:04
Local clock offset: -1.706 ms
Remote clock offset: 4.599 ms

# Below is generated by plot.py at 2018-02-16 05:45:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.87 Mbit/s
95th percentile per-packet one-way delay: 112.399 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 82.87 Mbit/s
95th percentile per-packet one-way delay: 112.399 ms
Loss rate: 1.76%
```
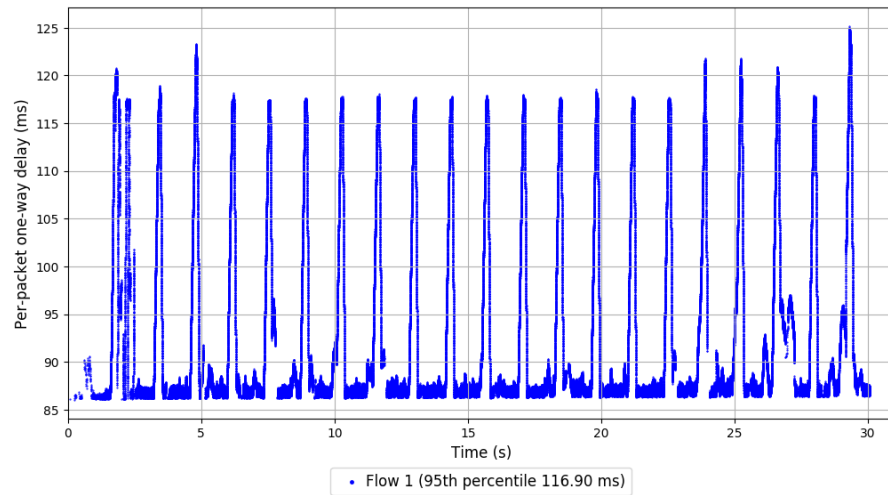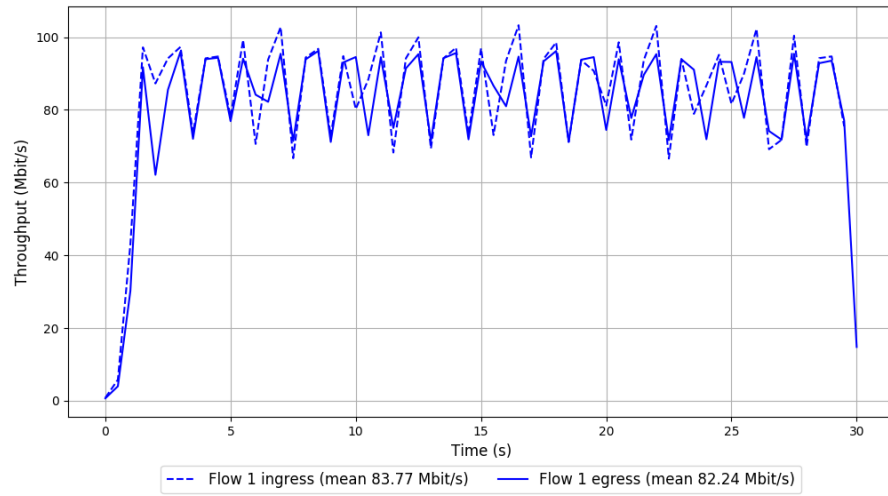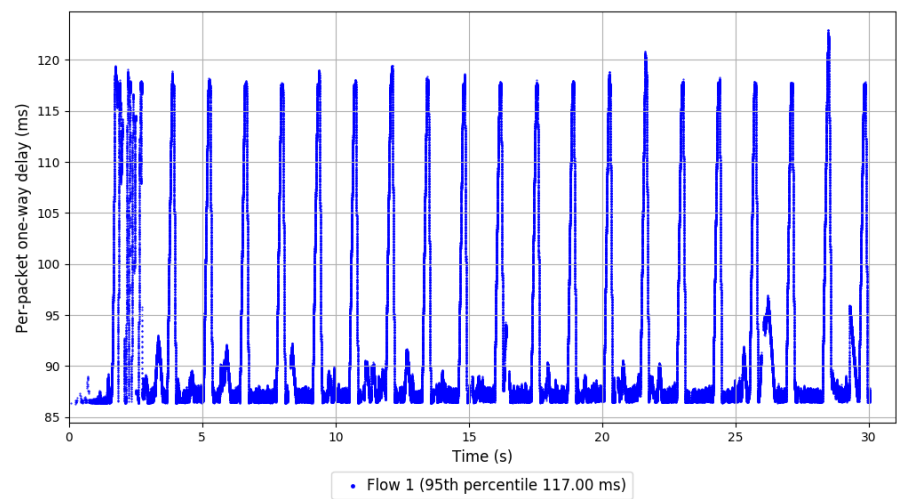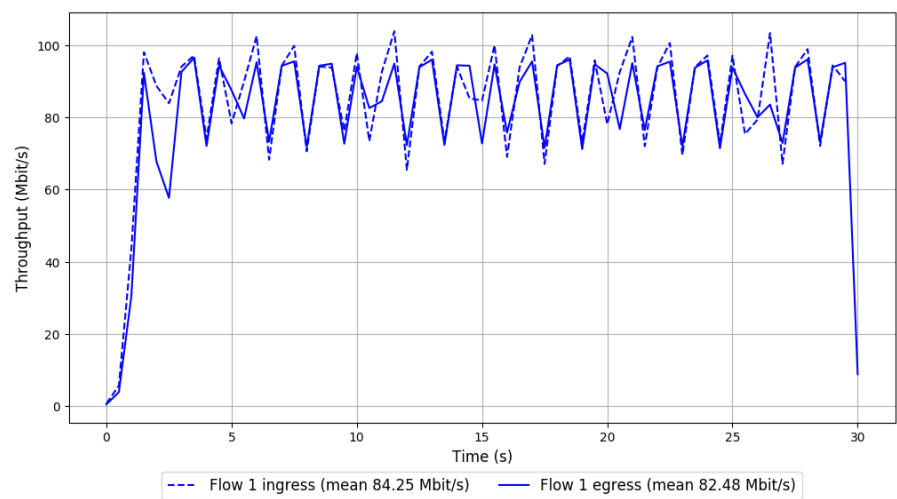
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 84.37 Mbit/s)   Flow 1 egress (mean 82.87 Mbit/s)

Flow 1 (95th percentile 112.40 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-02-16 02:43:32
End at: 2018-02-16 02:44:02
Local clock offset: -4.303 ms
Remote clock offset: 3.097 ms


# Below is generated by plot.py at 2018-02-16 05:45:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.24 Mbit/s
95th percentile per-packet one-way delay: 116.897 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 82.24 Mbit/s
95th percentile per-packet one-way delay: 116.897 ms
Loss rate: 1.83%
```
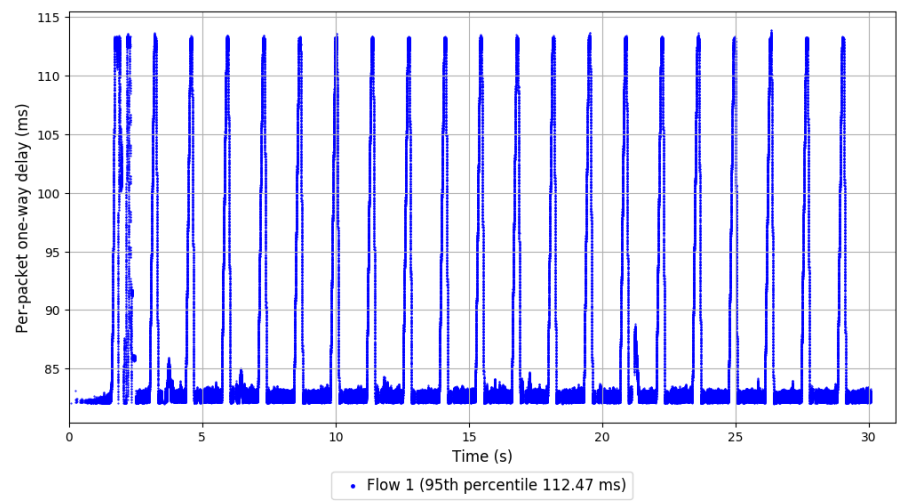
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 83.77 Mbit/s) ---- Flow 1 egress (mean 82.24 Mbit/s)

• Flow 1 (95th percentile 116.90 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-02-16 03:05:41
End at: 2018-02-16 03:06:11
Local clock offset: -4.973 ms
Remote clock offset: -2.183 ms


# Below is generated by plot.py at 2018-02-16 05:45:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 116.997 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 116.997 ms
Loss rate: 2.10%
```
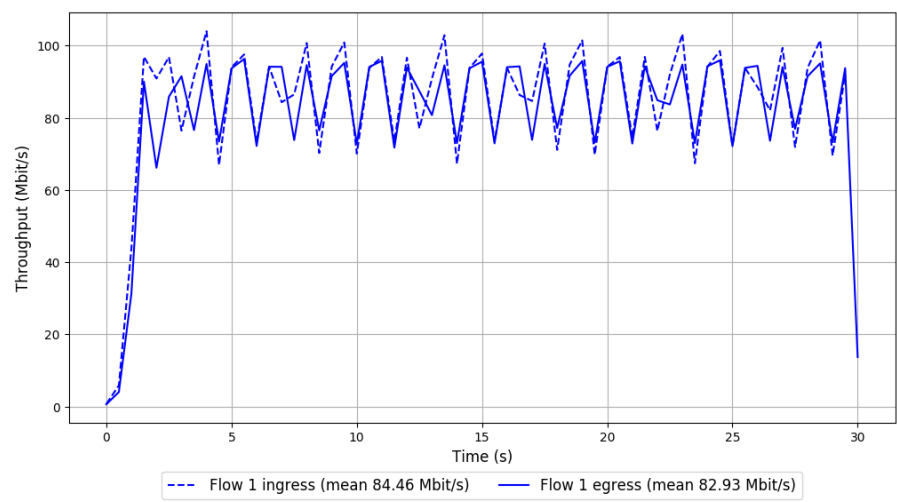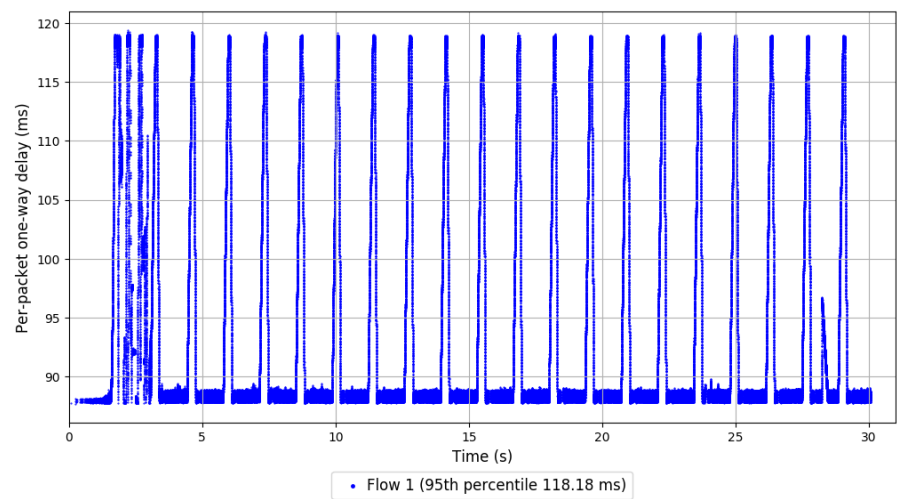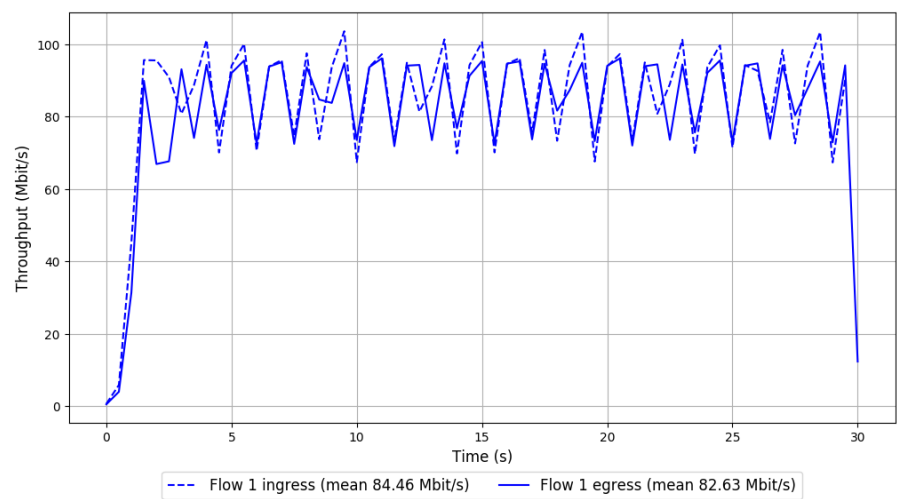
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 84.25 Mbit/s)   Flow 1 egress (mean 82.48 Mbit/s)

Flow 1 (95th percentile 117.00 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-02-16 03:27:44
End at: 2018-02-16 03:28:14
Local clock offset: -4.652 ms
Remote clock offset: -4.316 ms


# Below is generated by plot.py at 2018-02-16 05:45:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 112.474 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 112.474 ms
Loss rate: 1.81%
```
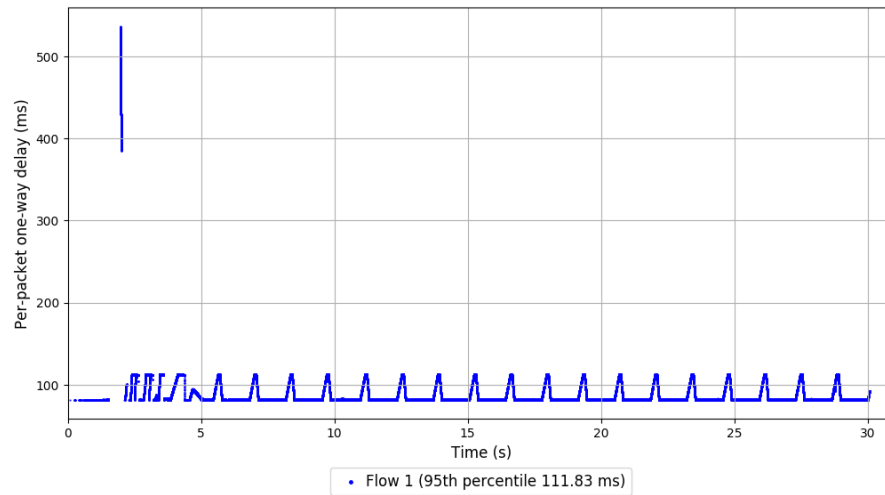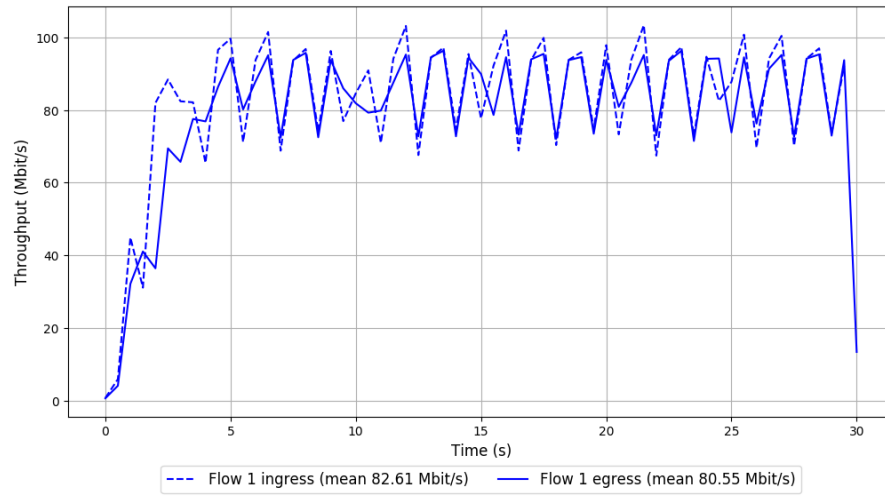
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 84.46 Mbit/s)   —— Flow 1 egress (mean 82.93 Mbit/s)

• Flow 1 (95th percentile 112.47 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-02-16 03:49:45
End at: 2018-02-16 03:50:15
Local clock offset: -4.398 ms
Remote clock offset: 1.547 ms


# Below is generated by plot.py at 2018-02-16 05:45:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 118.178 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 118.178 ms
Loss rate: 2.17%
```
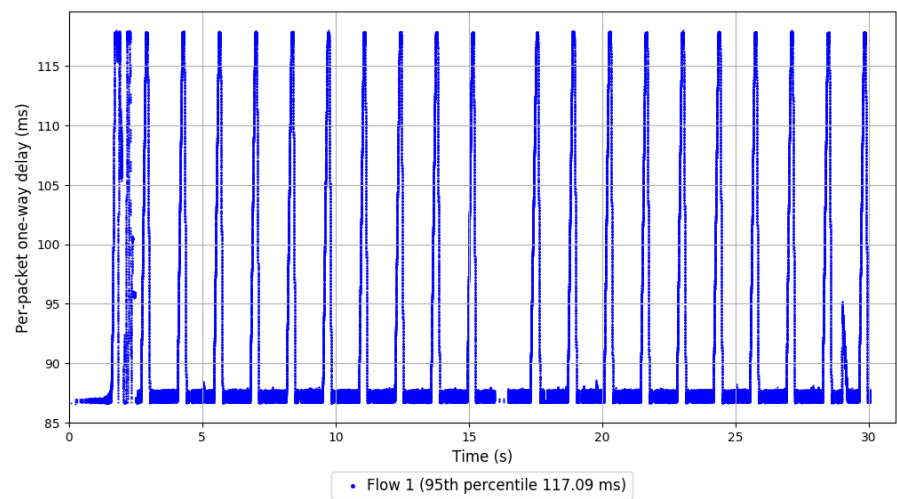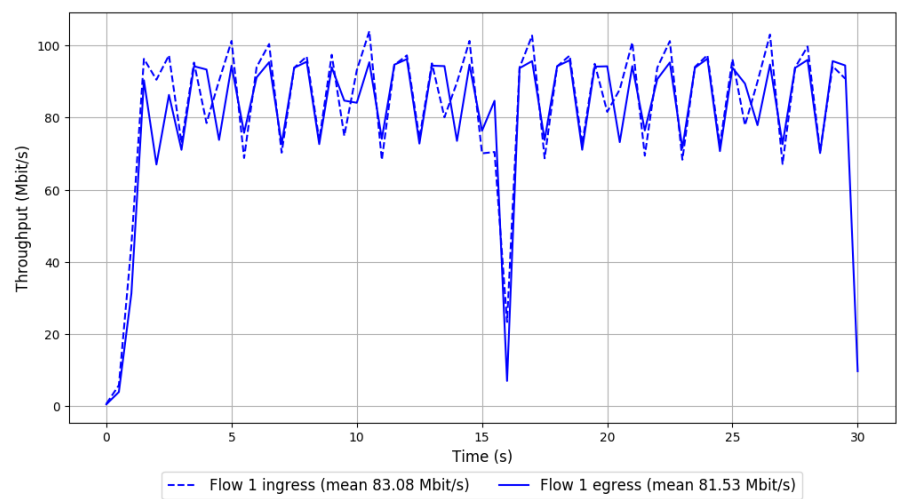
Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: 2018-02-16 04:11:48
End at: 2018-02-16 04:12:18
Local clock offset: -5.149 ms
Remote clock offset: -4.967 ms


# Below is generated by plot.py at 2018-02-16 05:45:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 111.833 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 111.833 ms
Loss rate: 2.46%
```
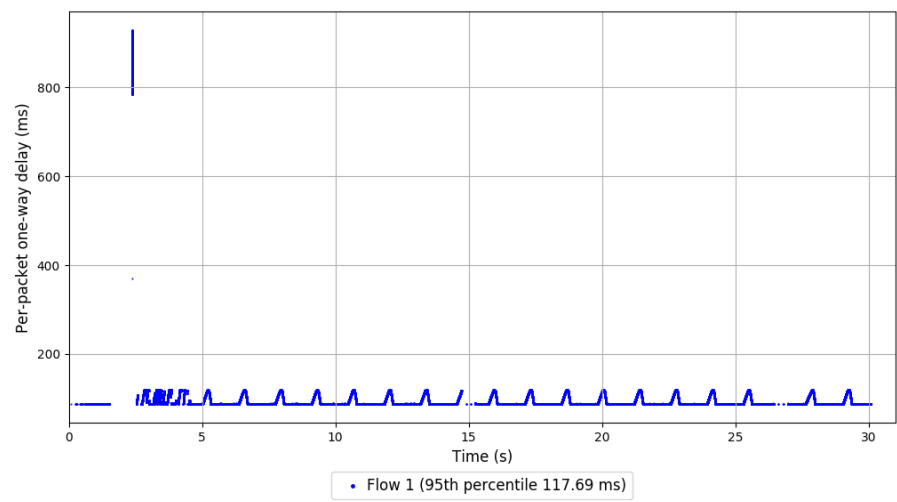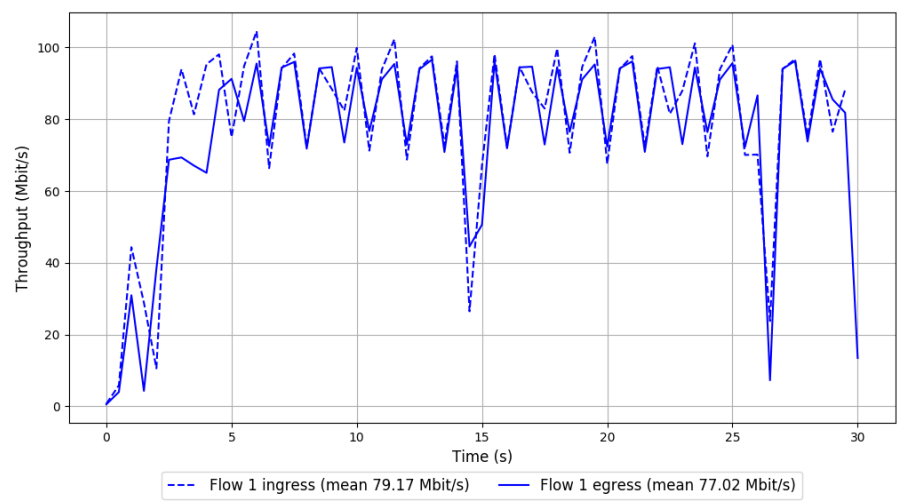
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 82.61 Mbit/s)   Flow 1 egress (mean 80.55 Mbit/s)

Flow 1 (95th percentile 111.83 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2018-02-16 04:33:51
End at: 2018-02-16 04:34:21
Local clock offset: -5.499 ms
Remote clock offset: 1.023 ms


# Below is generated by plot.py at 2018-02-16 05:45:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.53 Mbit/s
95th percentile per-packet one-way delay: 117.093 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 81.53 Mbit/s
95th percentile per-packet one-way delay: 117.093 ms
Loss rate: 1.86%
```
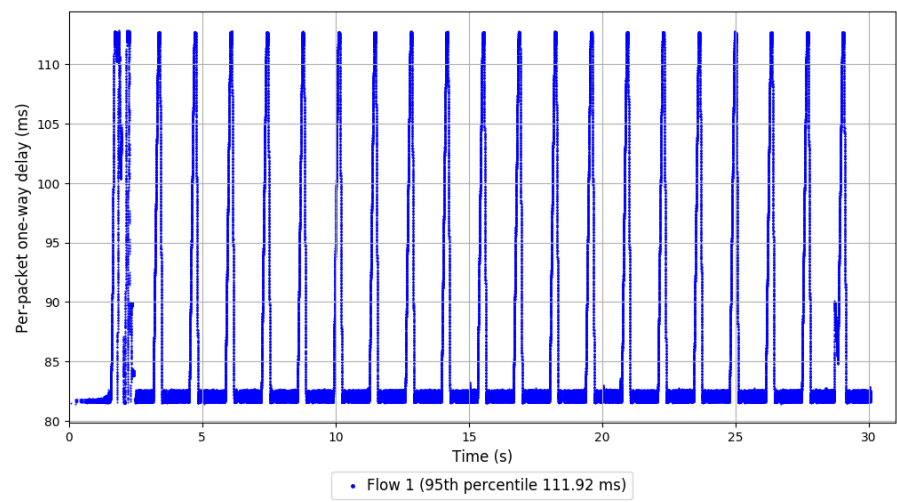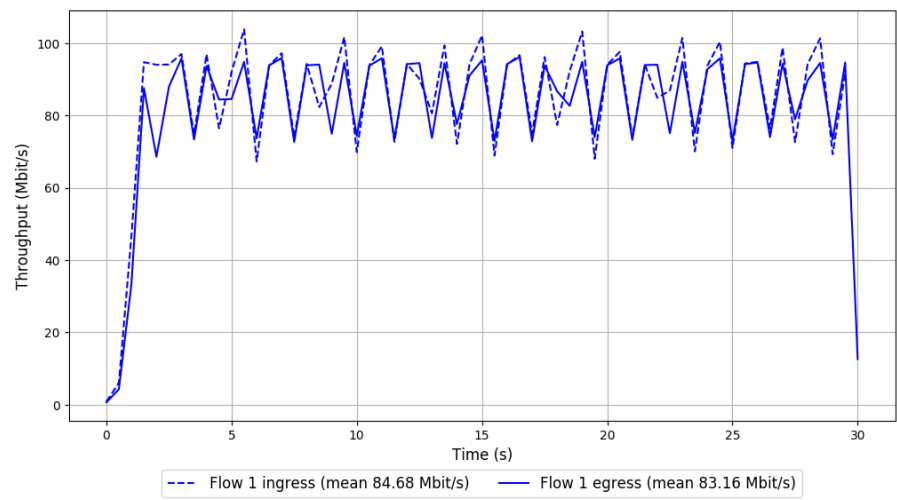
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 83.08 Mbit/s) ---- Flow 1 egress (mean 81.53 Mbit/s)

Flow 1 (95th percentile 117.09 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-02-16 04:55:56
End at: 2018-02-16 04:56:26
Local clock offset: -4.177 ms
Remote clock offset: 1.034 ms

# Below is generated by plot.py at 2018-02-16 05:46:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 117.686 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 117.686 ms
Loss rate: 2.71%
```
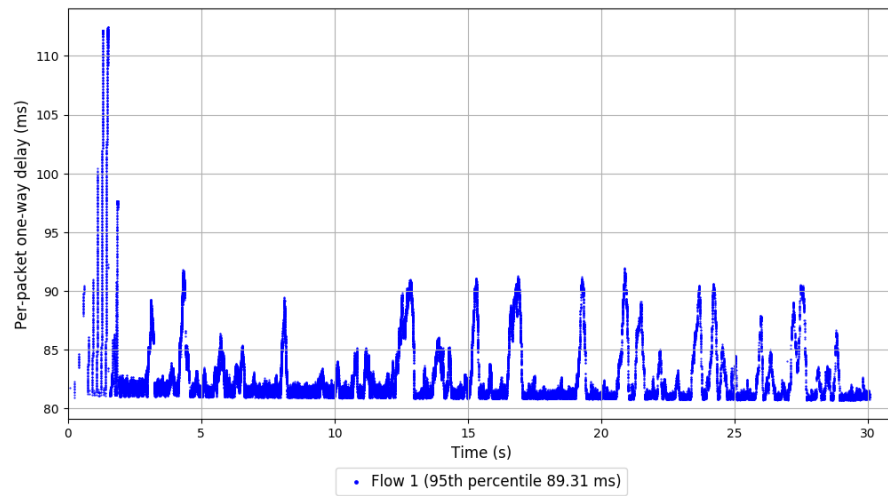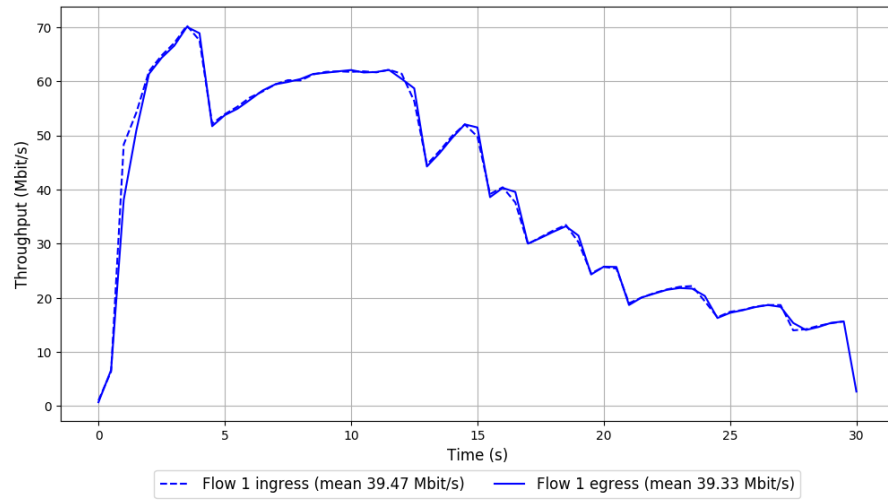
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 79.17 Mbit/s)   Flow 1 egress (mean 77.02 Mbit/s)

Flow 1 (95th percentile 117.69 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-02-16 05:18:17
End at: 2018-02-16 05:18:47
Local clock offset: -4.056 ms
Remote clock offset: -4.334 ms


# Below is generated by plot.py at 2018-02-16 05:46:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 111.915 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 111.915 ms
Loss rate: 1.79%
```
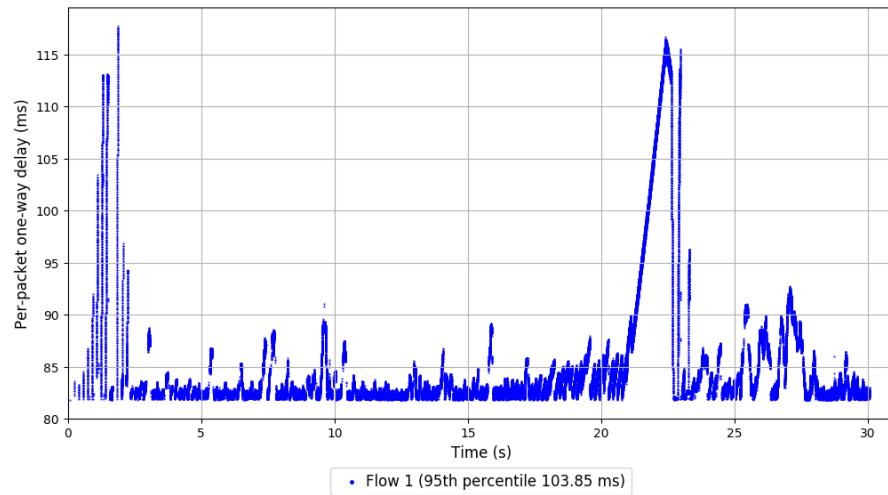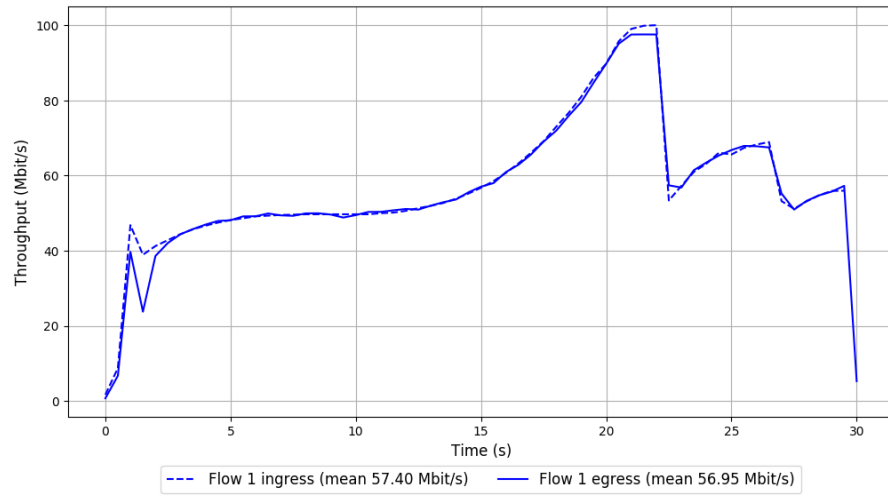
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 84.68 Mbit/s) —— Flow 1 egress (mean 83.16 Mbit/s)

· Flow 1 (95th percentile 111.92 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 01:49:51
End at: 2018-02-16 01:50:21
Local clock offset: 2.527 ms
Remote clock offset: 1.455 ms


# Below is generated by plot.py at 2018-02-16 05:46:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 89.314 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 89.314 ms
Loss rate: 0.35%
```
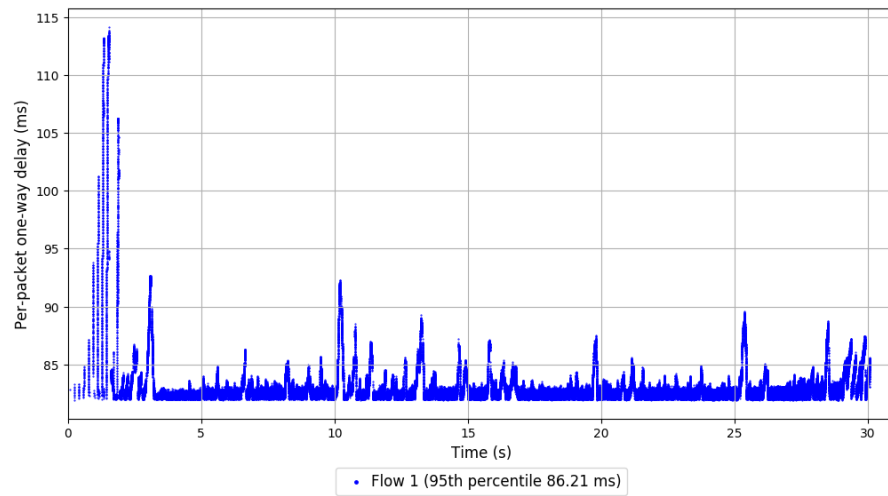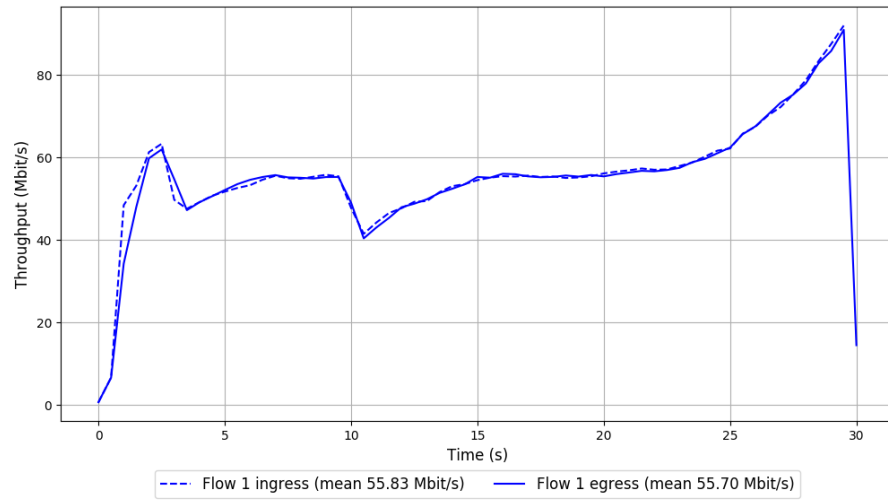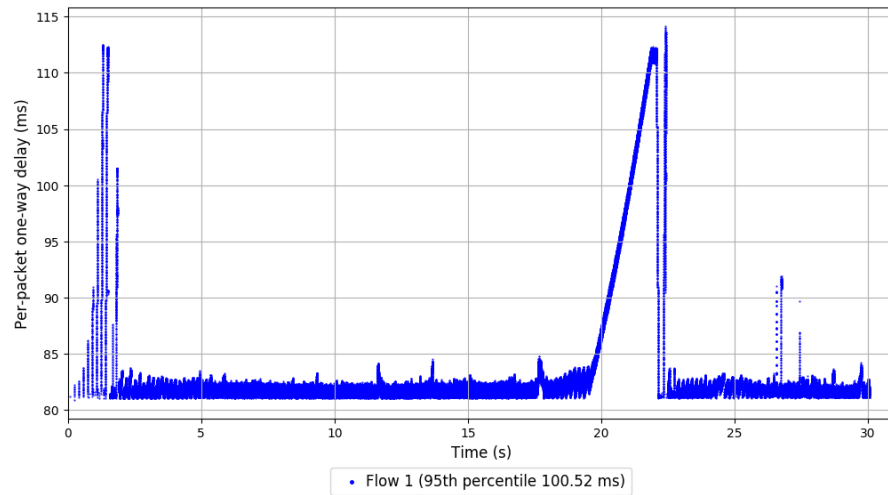
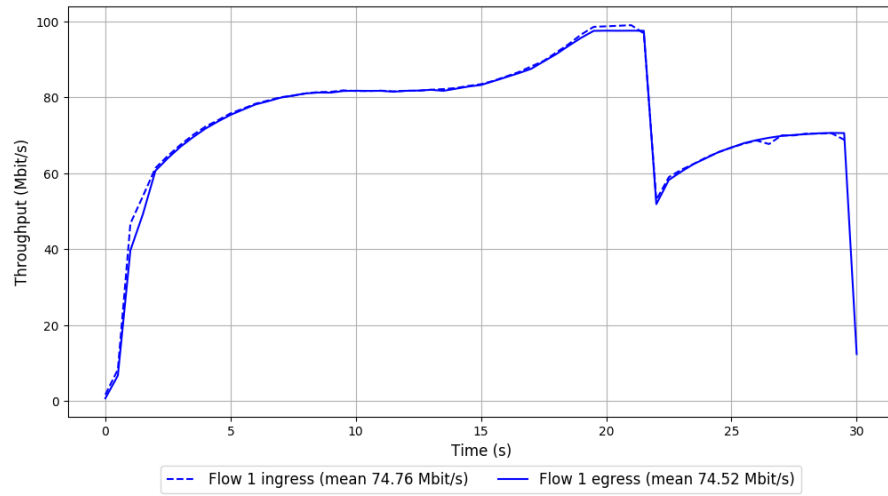Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 02:11:47
End at: 2018-02-16 02:12:17
Local clock offset: -0.889 ms
Remote clock offset: 3.861 ms


# Below is generated by plot.py at 2018-02-16 05:46:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 103.851 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 103.851 ms
Loss rate: 0.77%
```

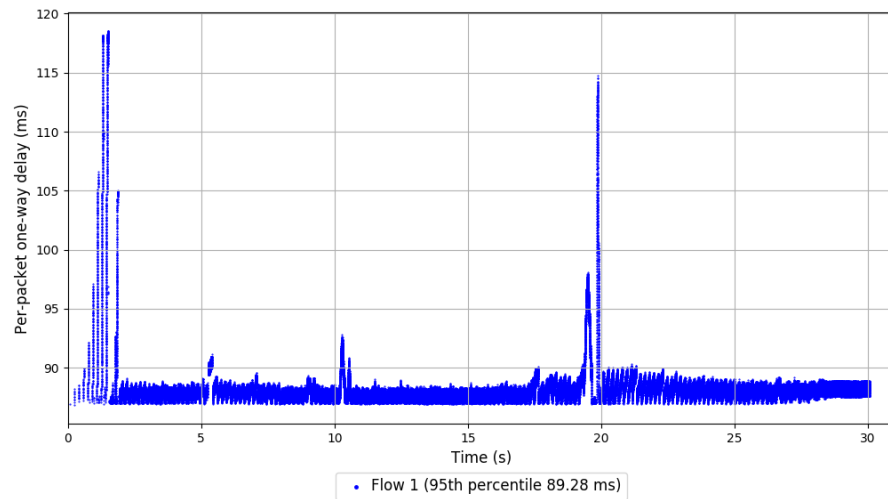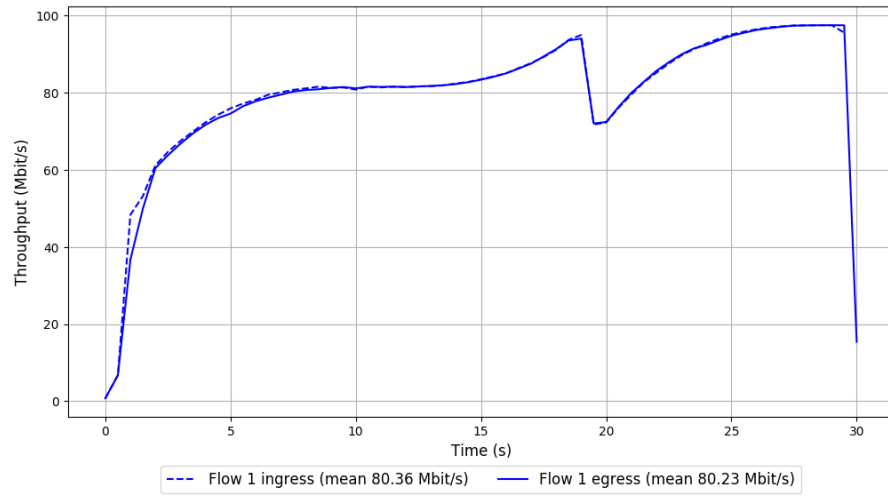Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 02:33:47
End at: 2018-02-16 02:34:17
Local clock offset: -4.299 ms
Remote clock offset: 5.242 ms

# Below is generated by plot.py at 2018-02-16 05:46:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 86.209 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 86.209 ms
Loss rate: 0.23%
```
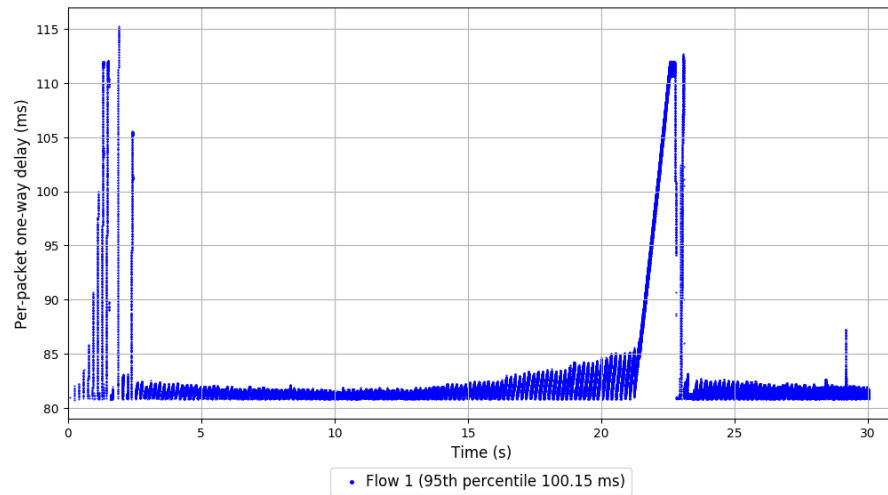
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 55.83 Mbit/s) —— Flow 1 egress (mean 55.70 Mbit/s)

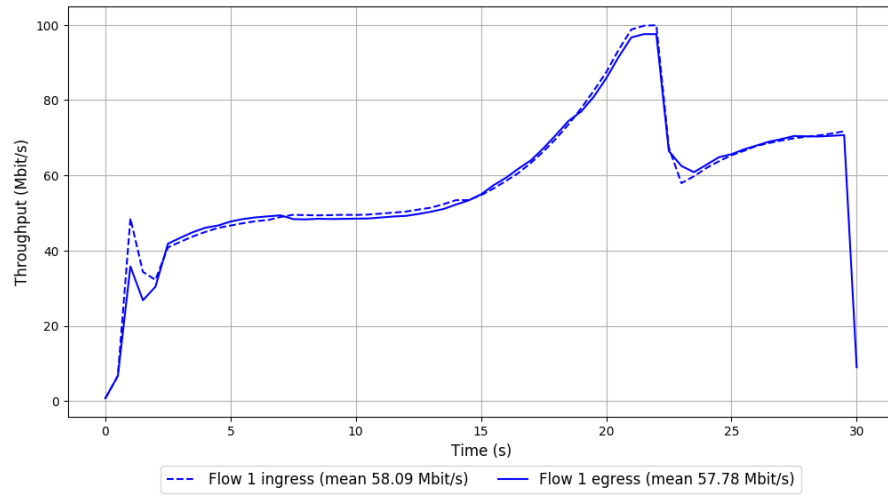

• Flow 1 (95th percentile 86.21 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 02:55:51
End at: 2018-02-16 02:56:21
Local clock offset: -4.429 ms
Remote clock offset: -5.433 ms


# Below is generated by plot.py at 2018-02-16 05:46:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.52 Mbit/s
95th percentile per-packet one-way delay: 100.519 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 74.52 Mbit/s
95th percentile per-packet one-way delay: 100.519 ms
Loss rate: 0.32%
```

Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 03:17:57
End at: 2018-02-16 03:18:27
Local clock offset: -4.89 ms
Remote clock offset: -0.021 ms


# Below is generated by plot.py at 2018-02-16 05:46:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 89.277 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 89.277 ms
Loss rate: 0.16%
```
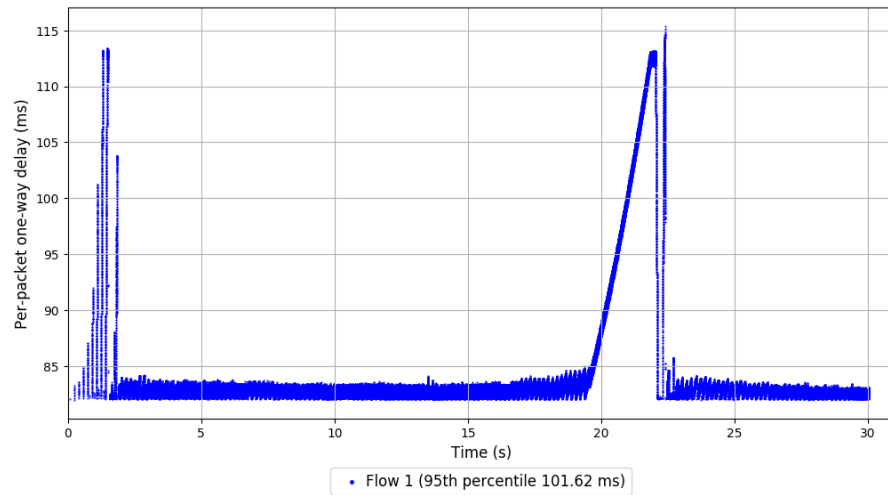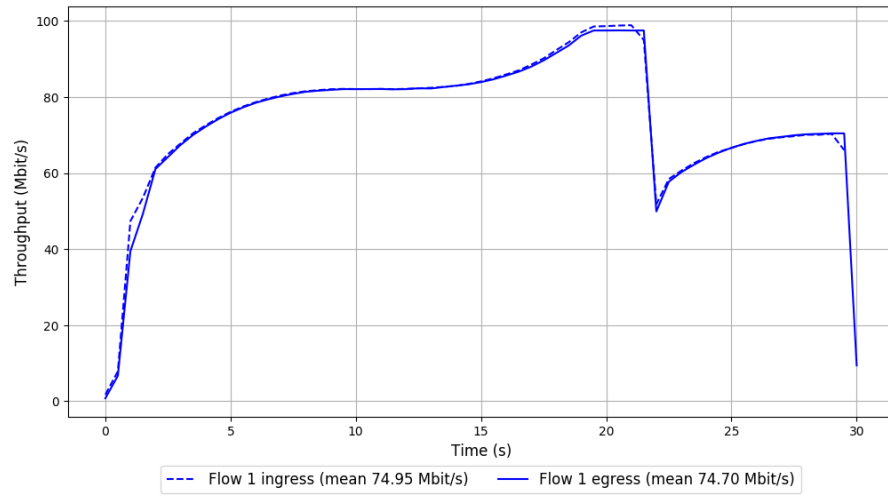
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 80.36 Mbit/s)   Flow 1 egress (mean 80.23 Mbit/s)

Flow 1 (95th percentile 89.28 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 03:39:58
End at: 2018-02-16 03:40:28
Local clock offset: -4.619 ms
Remote clock offset: -5.178 ms


# Below is generated by plot.py at 2018-02-16 05:46:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 100.153 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 100.153 ms
Loss rate: 0.52%
```
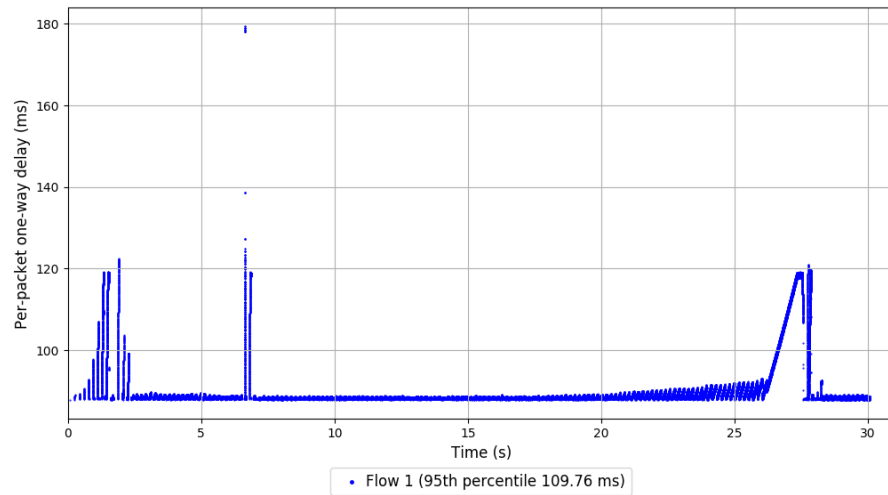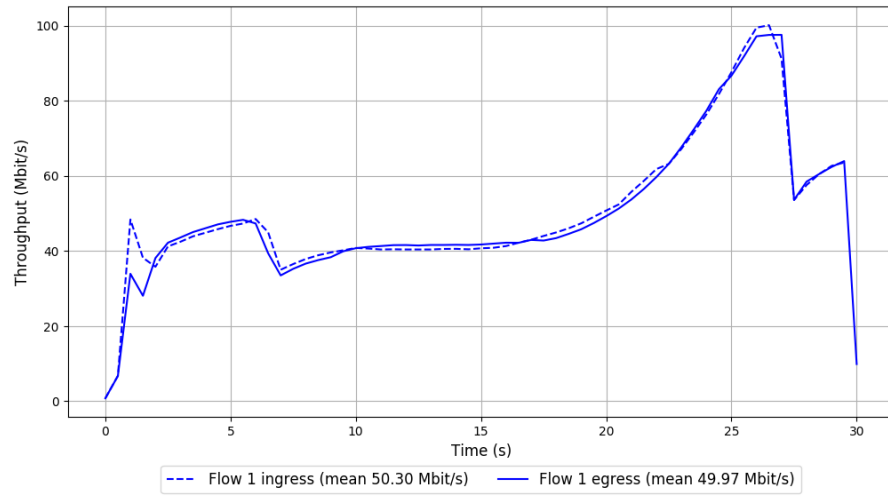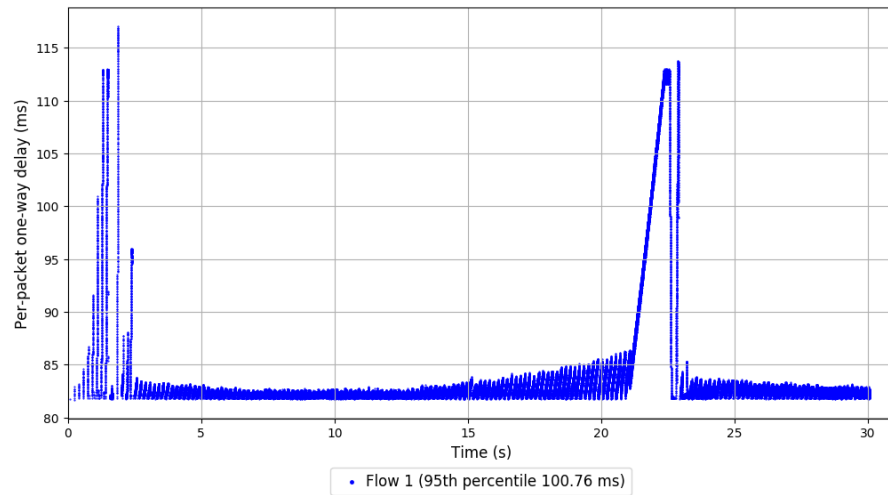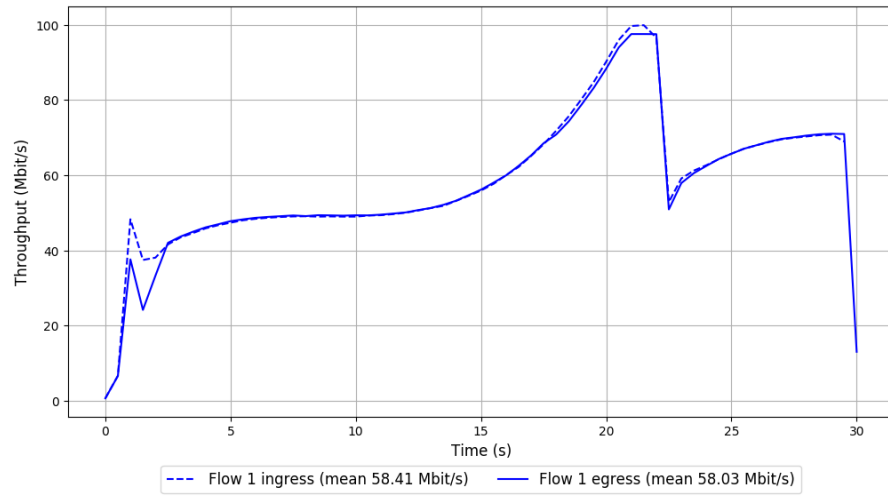
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 04:02:01
End at: 2018-02-16 04:02:31
Local clock offset: -4.188 ms
Remote clock offset: -3.91 ms


# Below is generated by plot.py at 2018-02-16 05:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.70 Mbit/s
95th percentile per-packet one-way delay: 101.622 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 74.70 Mbit/s
95th percentile per-packet one-way delay: 101.622 ms
Loss rate: 0.34%
```

Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 04:24:02
End at: 2018-02-16 04:24:32
Local clock offset: -5.408 ms
Remote clock offset: 1.793 ms


# Below is generated by plot.py at 2018-02-16 05:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 109.757 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 109.757 ms
Loss rate: 0.65%
```
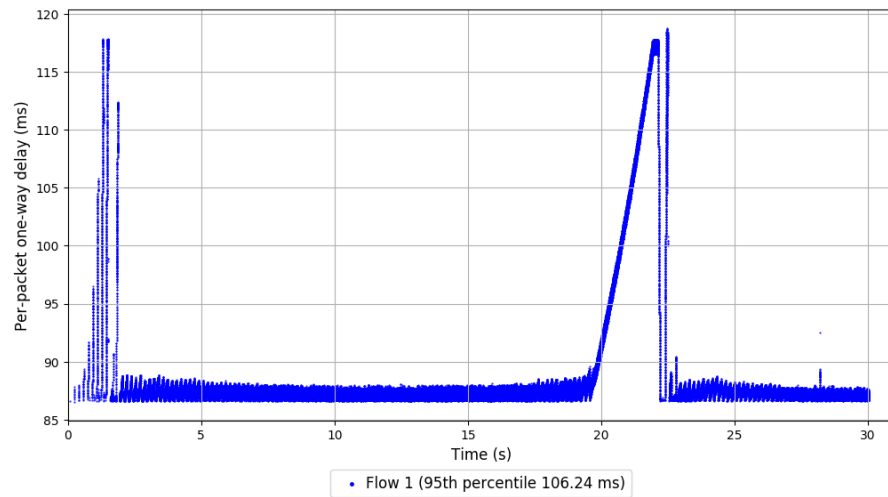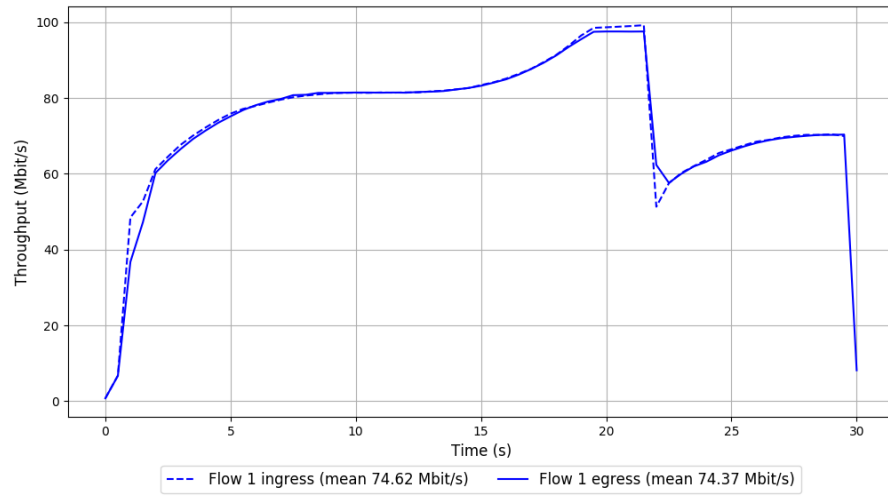
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 50.30 Mbit/s) --- Flow 1 egress (mean 49.97 Mbit/s)

Flow 1 (95th percentile 109.76 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 04:46:07
End at: 2018-02-16 04:46:37
Local clock offset: -4.542 ms
Remote clock offset: -3.919 ms


# Below is generated by plot.py at 2018-02-16 05:47:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.03 Mbit/s
95th percentile per-packet one-way delay: 100.757 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 58.03 Mbit/s
95th percentile per-packet one-way delay: 100.757 ms
Loss rate: 0.65%
```
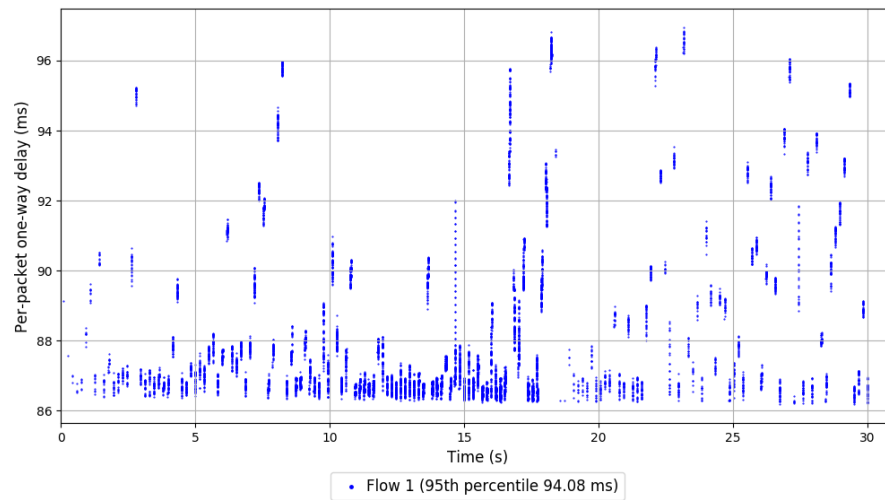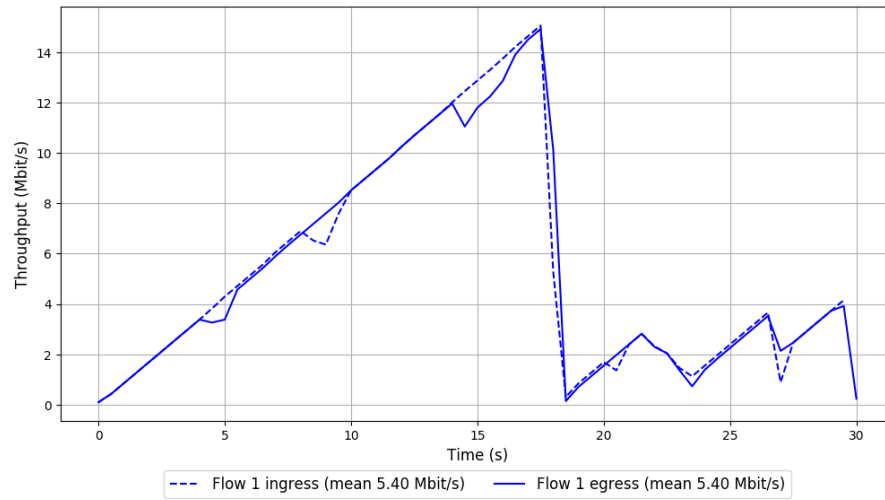
Run 9: Report of TCP Cubic — Data Link

```
Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 05:08:11
End at: 2018-02-16 05:08:41
Local clock offset: -3.934 ms
Remote clock offset: 1.266 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 106.238 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 106.238 ms
Loss rate: 0.33%
```
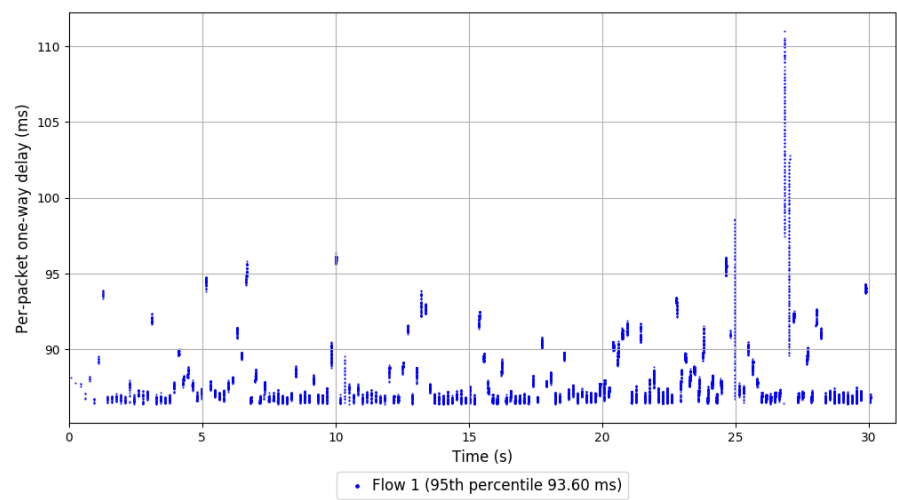
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 01:53:34
End at: 2018-02-16 01:54:04
Local clock offset: 0.515 ms
Remote clock offset: 7.336 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 94.076 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 94.076 ms
Loss rate: 0.10%
```
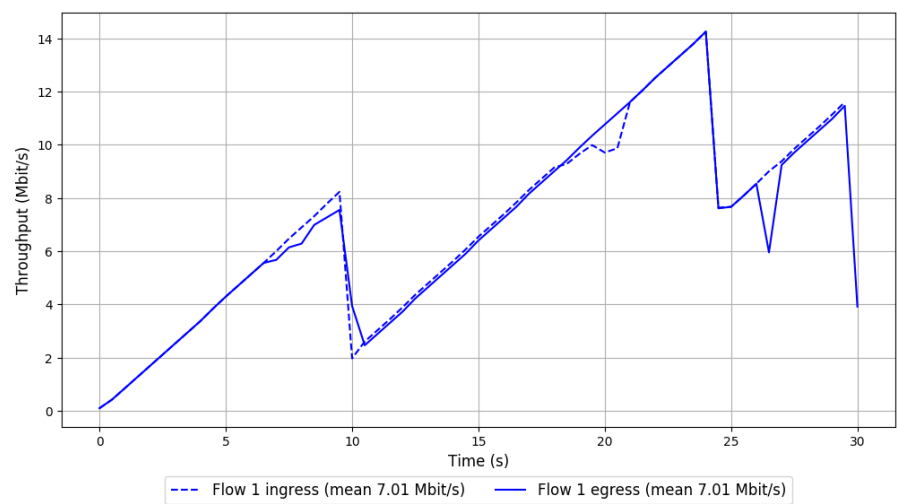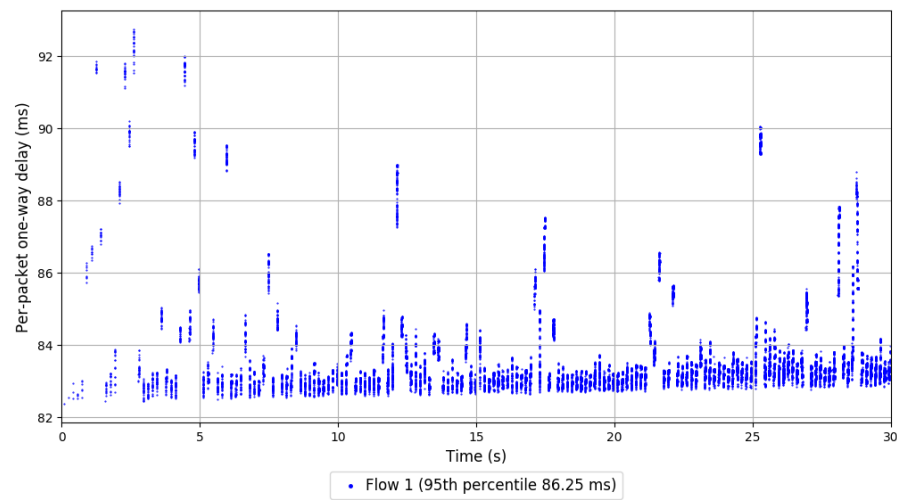
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 5.40 Mbit/s)   Flow 1 egress (mean 5.40 Mbit/s)

Flow 1 (95th percentile 94.08 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2018-02-16 02:15:32
End at: 2018-02-16 02:16:02
Local clock offset: -0.537 ms
Remote clock offset: 8.126 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 93.600 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 93.600 ms
Loss rate: 0.02%
```
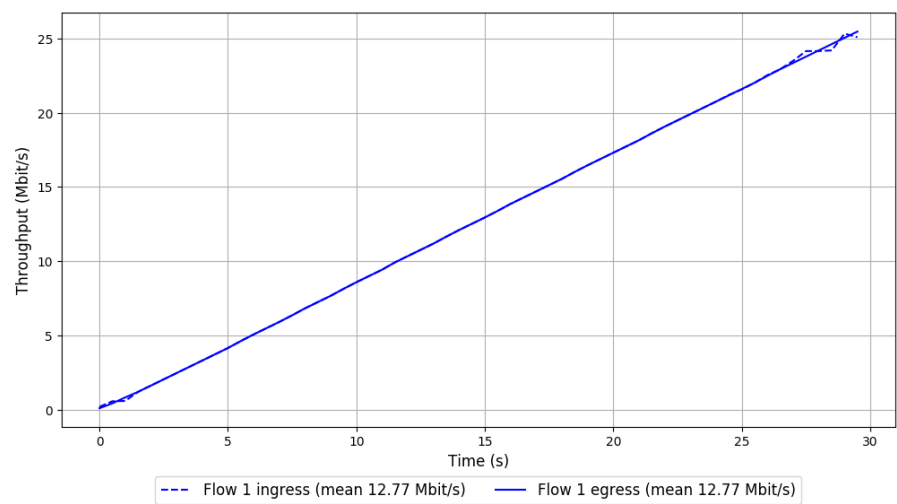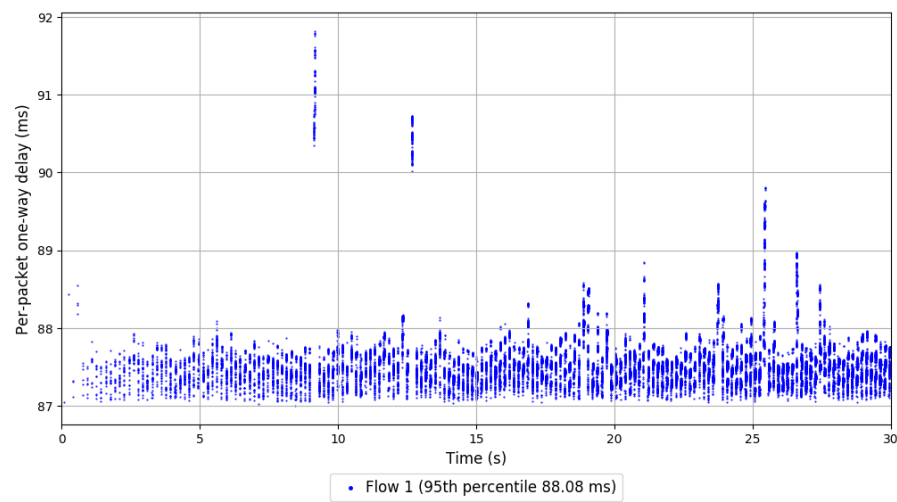
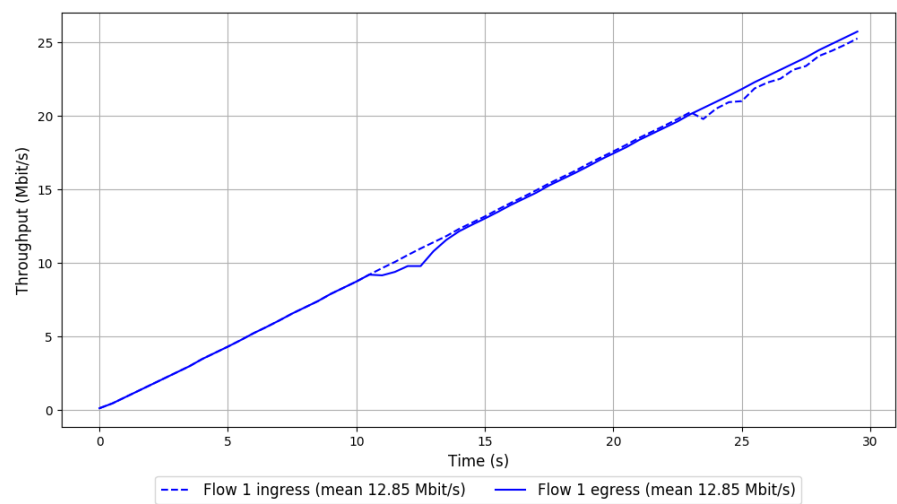Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 7.01 Mbit/s)   Flow 1 egress (mean 7.01 Mbit/s)

Flow 1 (95th percentile 93.60 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2018-02-16 02:37:30
End at: 2018-02-16 02:38:00
Local clock offset: -4.422 ms
Remote clock offset: 3.42 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 86.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 86.253 ms
Loss rate: 0.00%
```
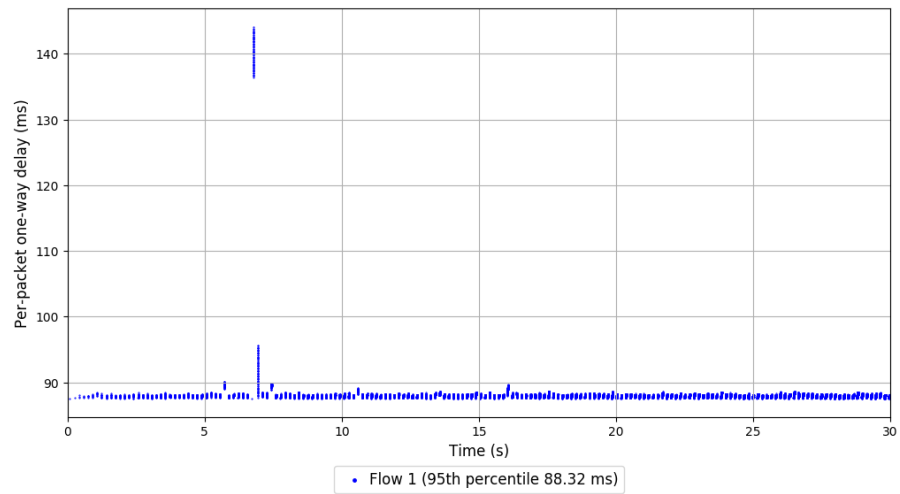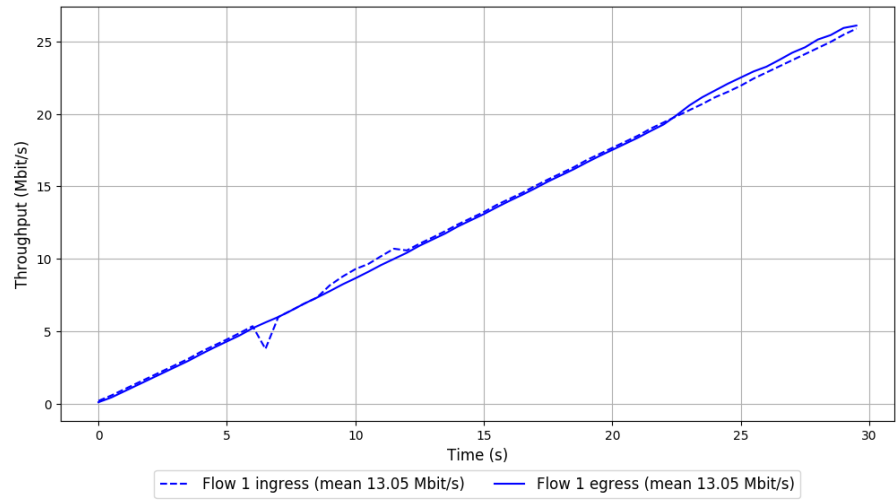
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.77 Mbit/s)   Flow 1 egress (mean 12.77 Mbit/s)

Flow 1 (95th percentile 86.25 ms)

49

```
Run 4: Statistics of LEDBAT

Start at: 2018-02-16 02:59:38
End at: 2018-02-16 03:00:08
Local clock offset: -4.842 ms
Remote clock offset: -0.461 ms

# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 88.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 88.080 ms
Loss rate: 0.00%
```

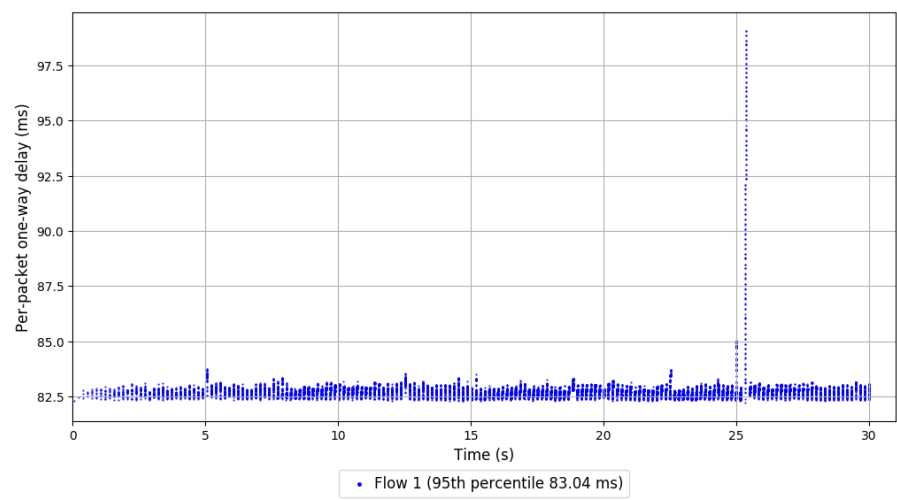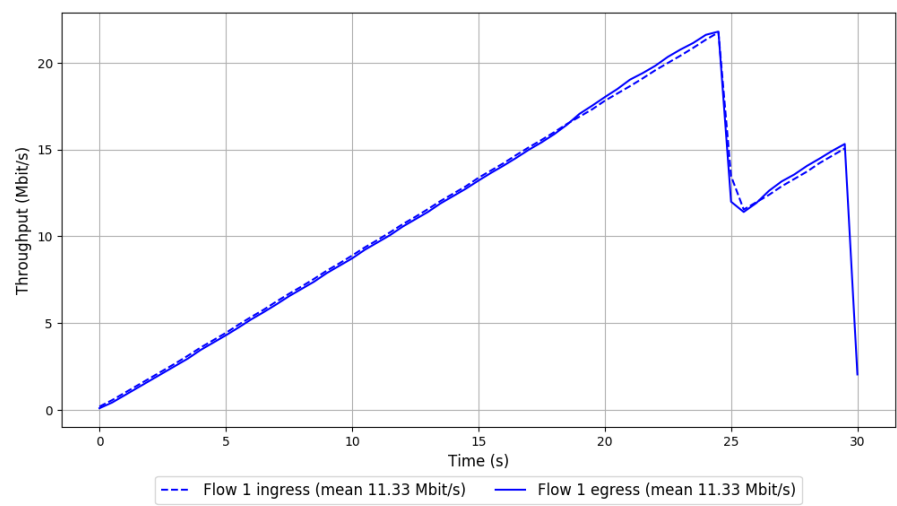Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2018-02-16 03:21:42
End at: 2018-02-16 03:22:12
Local clock offset: -4.777 ms
Remote clock offset: 1.244 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 88.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 88.322 ms
Loss rate: 0.00%
```
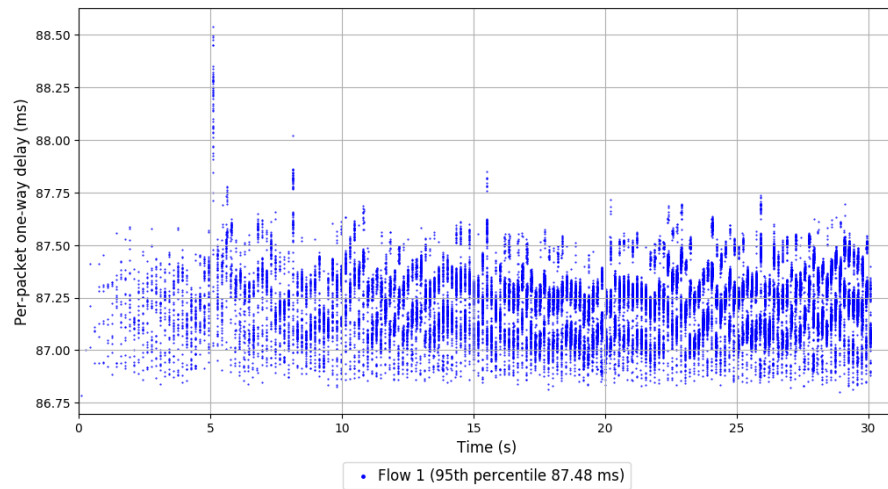
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2018-02-16 03:43:43
End at: 2018-02-16 03:44:13
Local clock offset: -4.471 ms
Remote clock offset: -4.365 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 83.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 83.042 ms
Loss rate: 0.00%
```
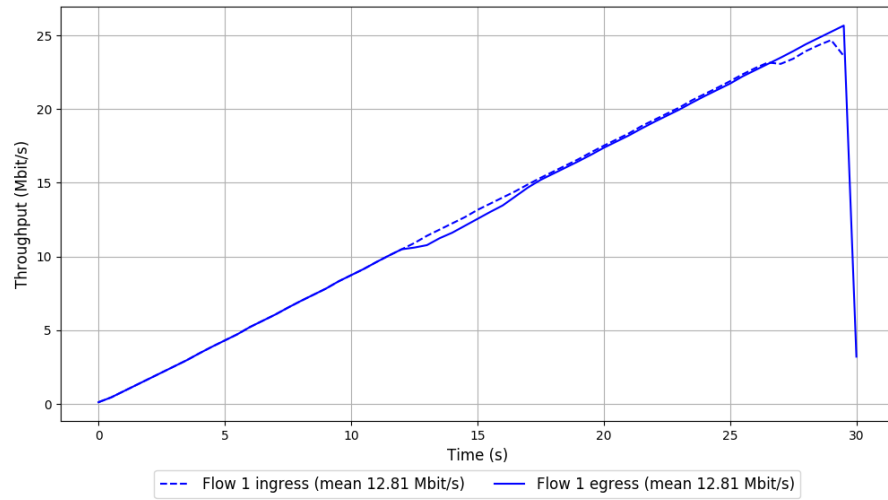
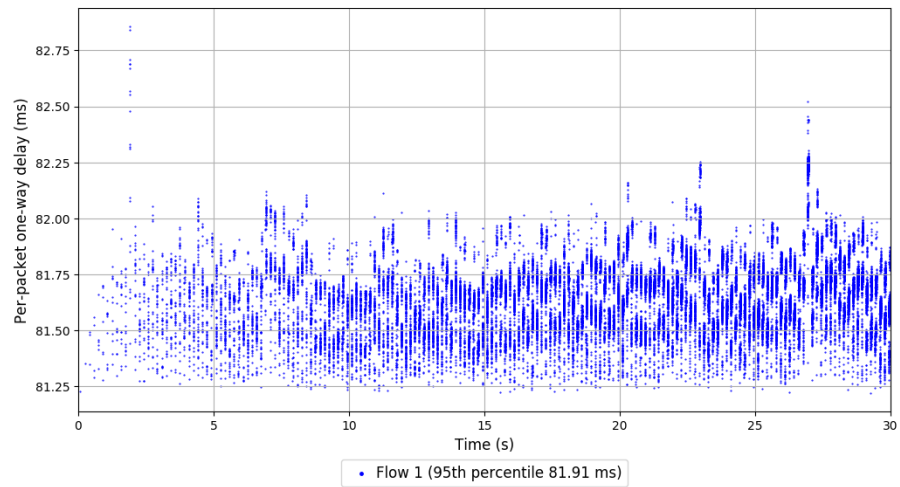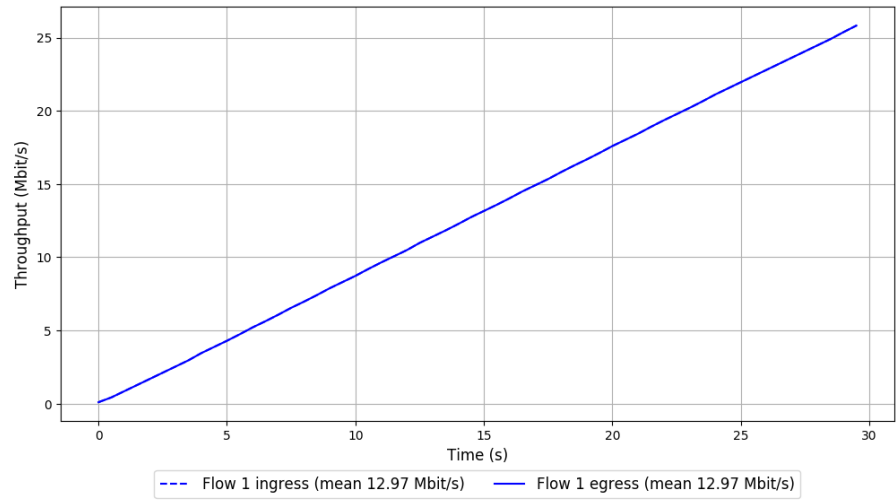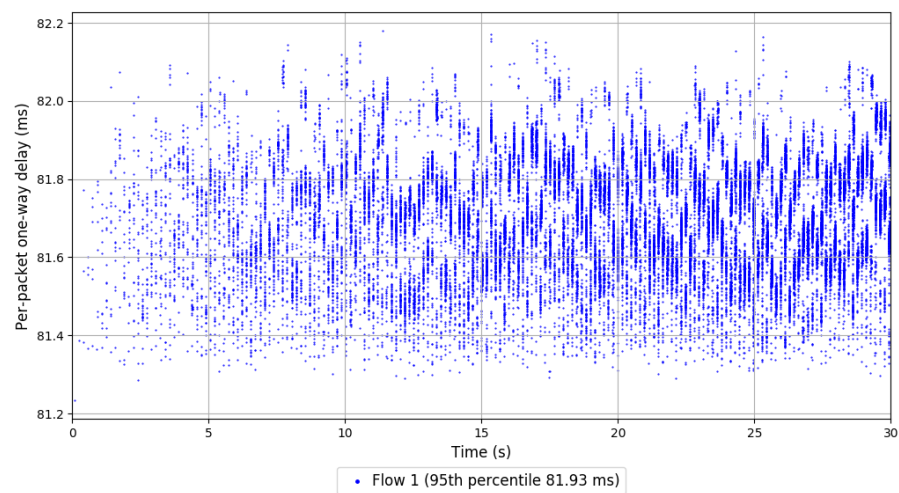Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2018-02-16 04:05:47
End at: 2018-02-16 04:06:17
Local clock offset: -4.641 ms
Remote clock offset: 0.878 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 87.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 87.481 ms
Loss rate: 0.00%
```

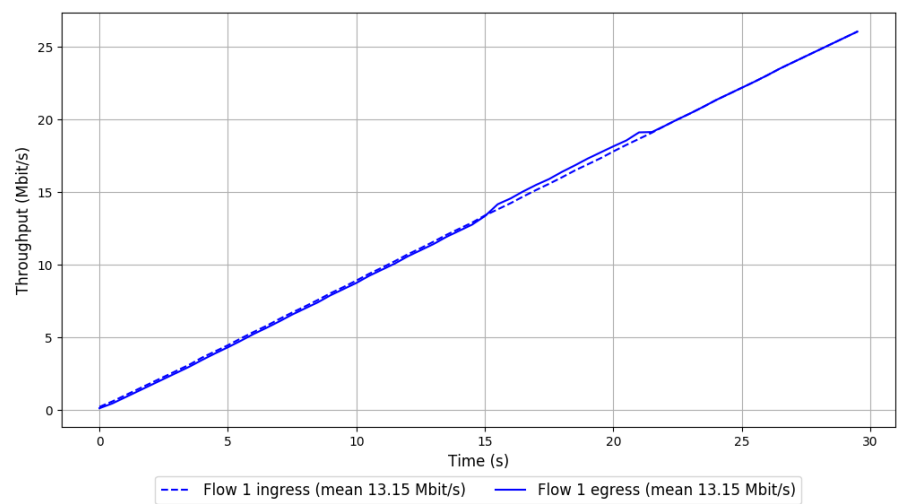# Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.81 Mbit/s) --- Flow 1 egress (mean 12.81 Mbit/s)

Flow 1 (95th percentile 87.48 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-02-16 04:27:49
End at: 2018-02-16 04:28:19
Local clock offset: -5.464 ms
Remote clock offset: -4.725 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 81.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 81.907 ms
Loss rate: 0.00%
```

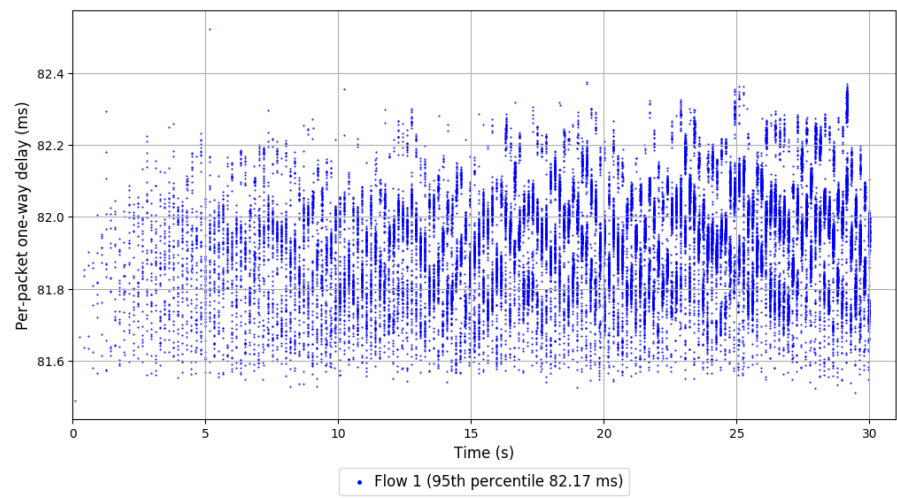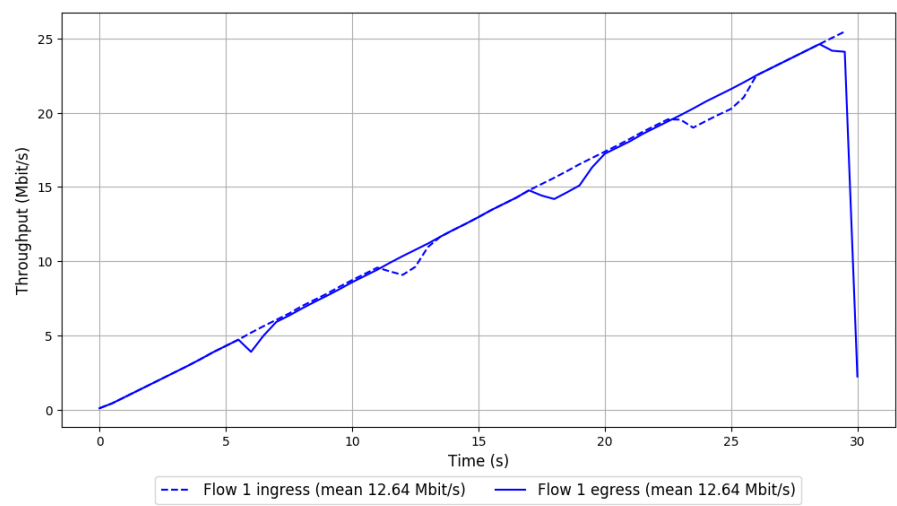## Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.97 Mbit/s)   Flow 1 egress (mean 12.97 Mbit/s)

Flow 1 (95th percentile 81.91 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-02-16 04:49:54
End at: 2018-02-16 04:50:24
Local clock offset: -4.421 ms
Remote clock offset: -4.744 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 81.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 81.932 ms
Loss rate: 0.00%
```

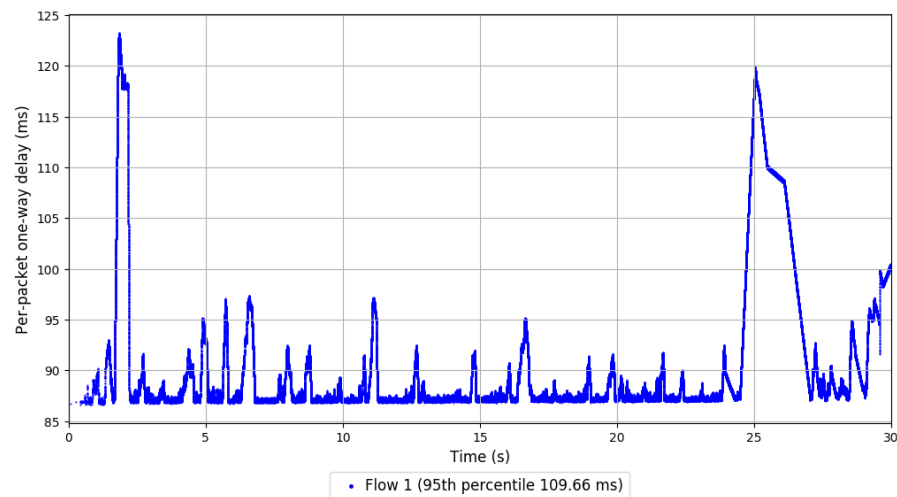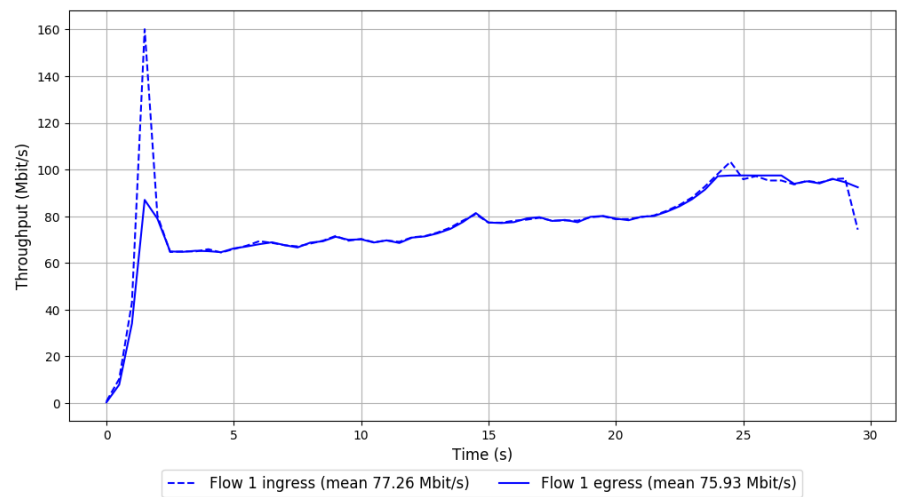## Run 9: Report of LEDBAT — Data Link

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

• Flow 1 (95th percentile 81.93 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2018-02-16 05:12:16
End at: 2018-02-16 05:12:46
Local clock offset: -4.009 ms
Remote clock offset: -4.344 ms


# Below is generated by plot.py at 2018-02-16 05:47:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 82.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 82.170 ms
Loss rate: 0.00%
```
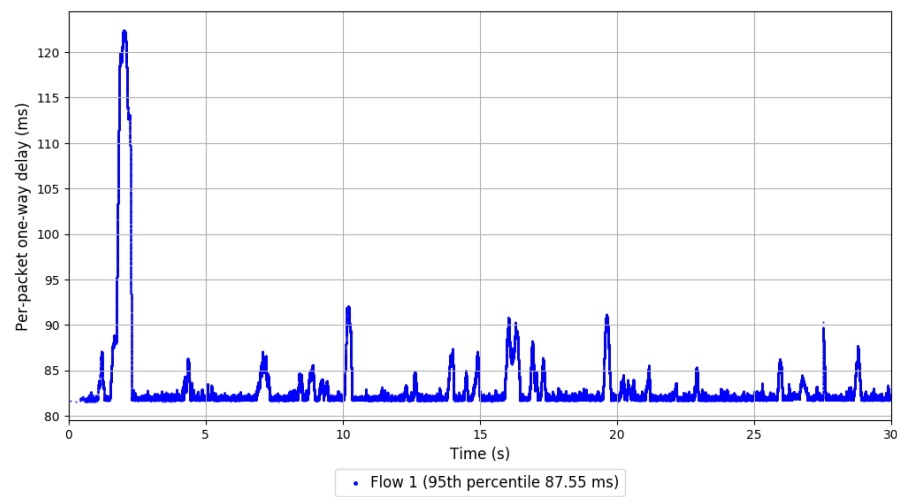
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2018-02-16 01:40:10
End at: 2018-02-16 01:40:40
Local clock offset: 5.566 ms
Remote clock offset: 4.936 ms

# Below is generated by plot.py at 2018-02-16 05:48:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.93 Mbit/s
95th percentile per-packet one-way delay: 109.657 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 75.93 Mbit/s
95th percentile per-packet one-way delay: 109.657 ms
Loss rate: 1.69%
```
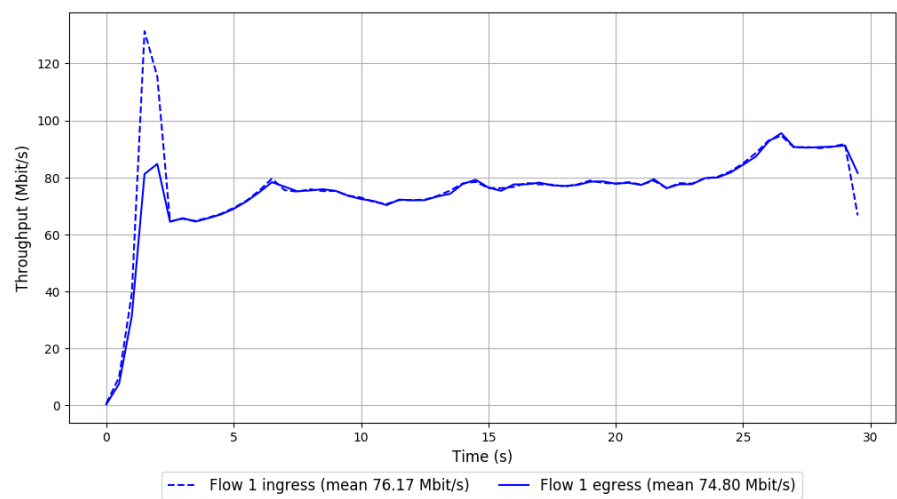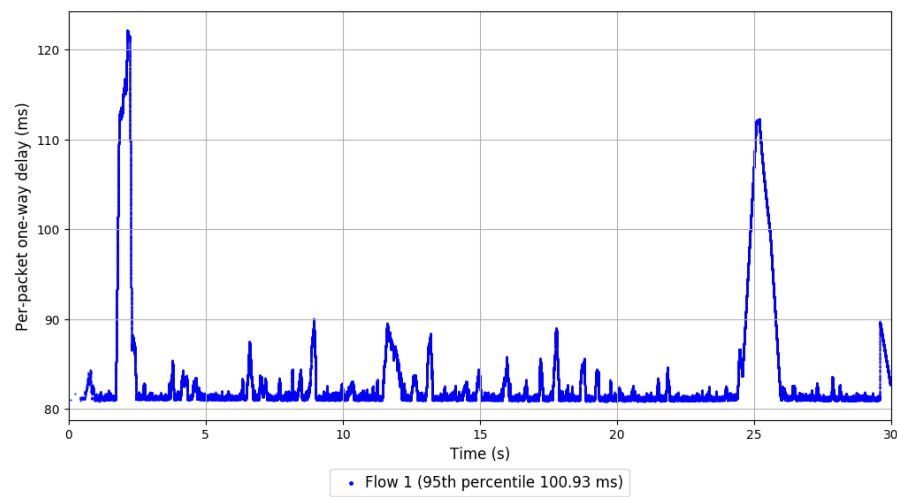
Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2018-02-16 02:02:05
End at: 2018-02-16 02:02:35
Local clock offset: -1.175 ms
Remote clock offset: 2.343 ms


# Below is generated by plot.py at 2018-02-16 05:48:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.80 Mbit/s
95th percentile per-packet one-way delay: 87.551 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 74.80 Mbit/s
95th percentile per-packet one-way delay: 87.551 ms
Loss rate: 1.80%
```
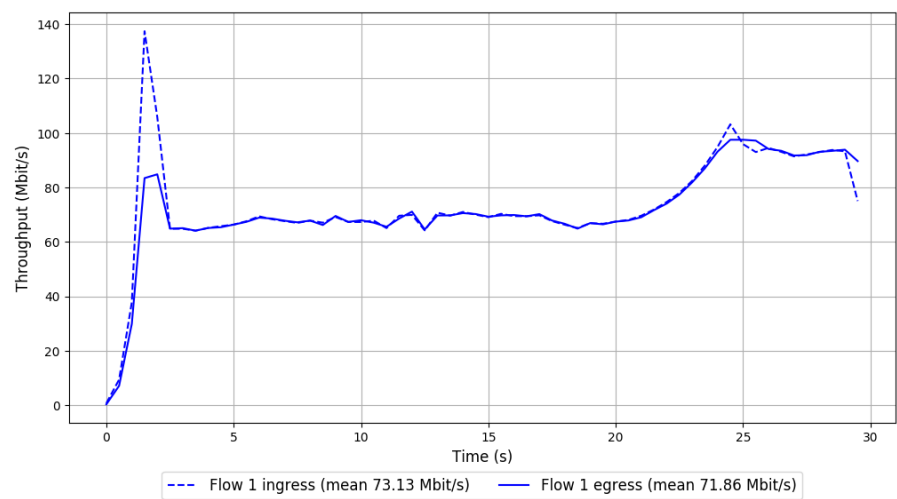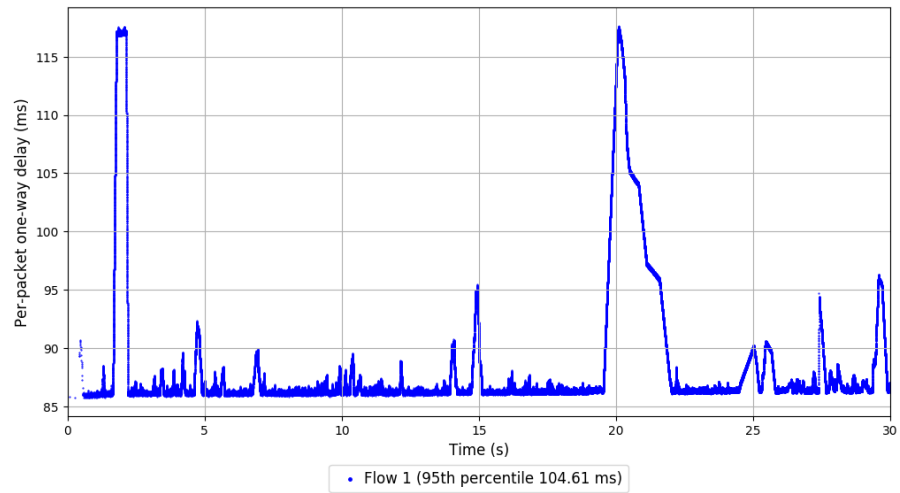
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 76.17 Mbit/s)   ——— Flow 1 egress (mean 74.80 Mbit/s)

• Flow 1 (95th percentile 87.55 ms)

```
Run 3: Statistics of PCC

Start at: 2018-02-16 02:24:04
End at: 2018-02-16 02:24:34
Local clock offset: -2.768 ms
Remote clock offset: 3.917 ms

# Below is generated by plot.py at 2018-02-16 05:48:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.86 Mbit/s
95th percentile per-packet one-way delay: 100.929 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 71.86 Mbit/s
95th percentile per-packet one-way delay: 100.929 ms
Loss rate: 1.74%
```
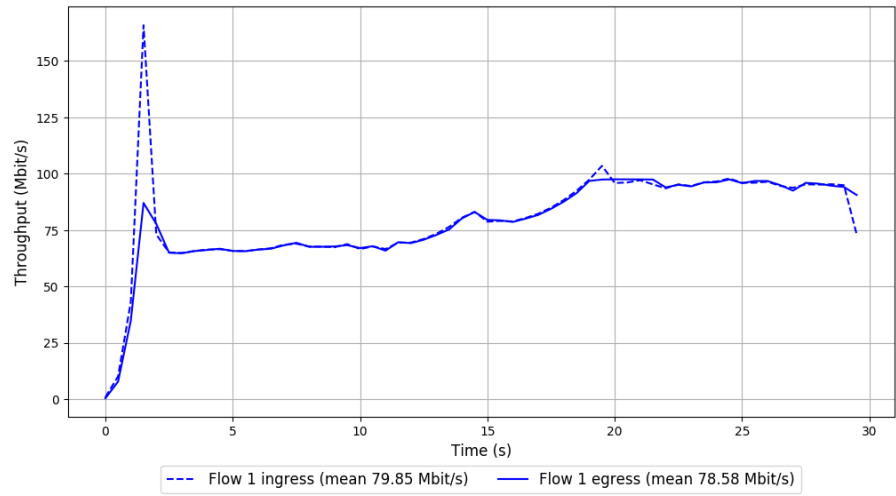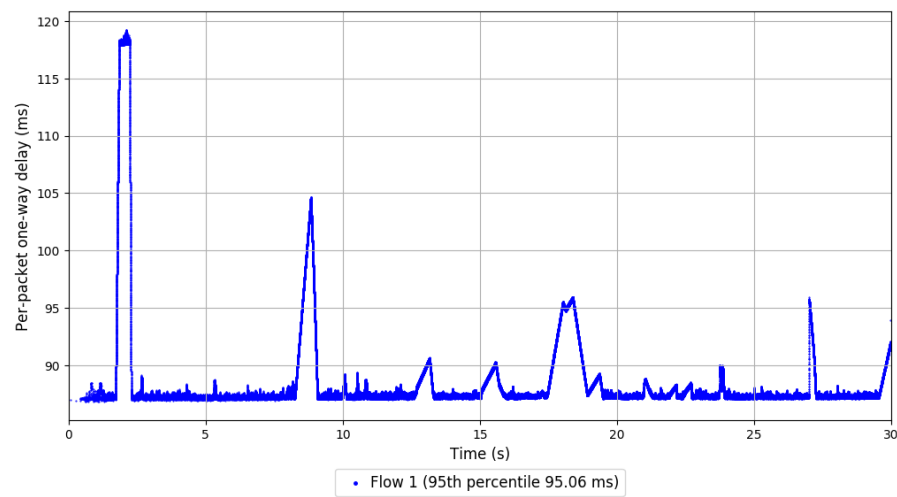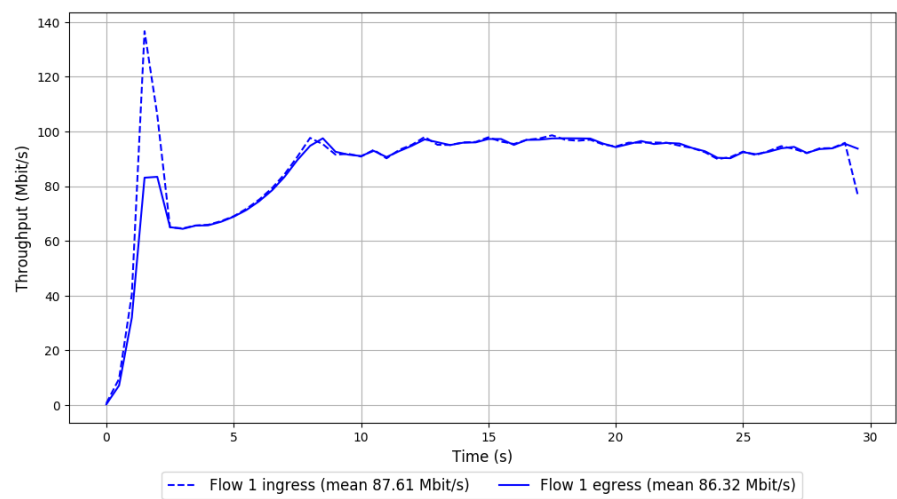
Run 3: Report of PCC — Data Link

```
Run 4: Statistics of PCC

Start at: 2018-02-16 02:46:02
End at: 2018-02-16 02:46:32
Local clock offset: -4.265 ms
Remote clock offset: 2.024 ms


# Below is generated by plot.py at 2018-02-16 05:48:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 104.607 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 104.607 ms
Loss rate: 1.59%
```
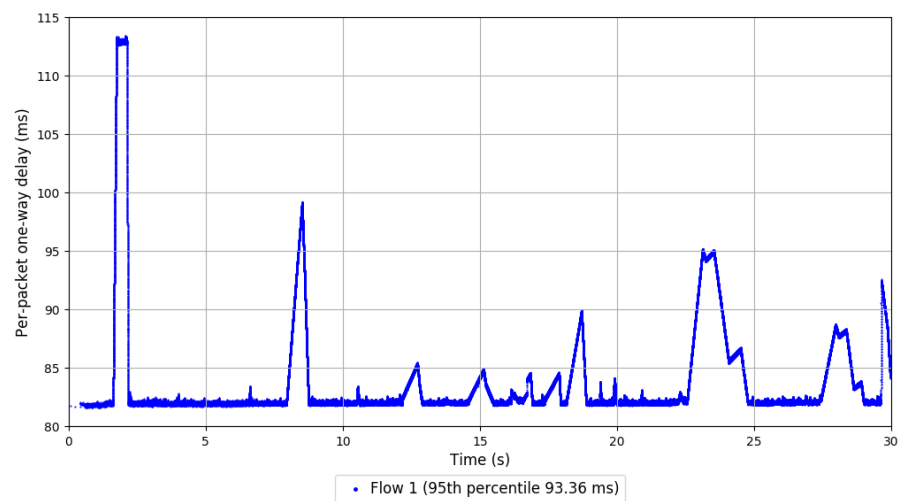
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 79.85 Mbit/s)   Flow 1 egress (mean 78.58 Mbit/s)

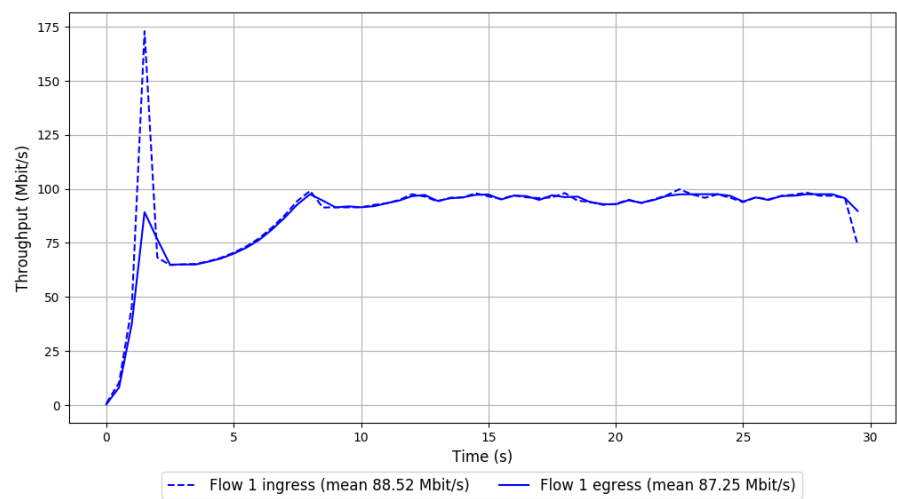Flow 1 (95th percentile 104.61 ms)

```
Run 5: Statistics of PCC

Start at: 2018-02-16 03:08:12
End at: 2018-02-16 03:08:42
Local clock offset: -4.989 ms
Remote clock offset: -1.635 ms

# Below is generated by plot.py at 2018-02-16 05:48:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 95.058 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 95.058 ms
Loss rate: 1.45%
```

Run 5: Report of PCC — Data Link

```
Run 6: Statistics of PCC

Start at: 2018-02-16 03:30:14
End at: 2018-02-16 03:30:44
Local clock offset: -4.664 ms
Remote clock offset: -4.254 ms


# Below is generated by plot.py at 2018-02-16 05:48:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 93.361 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 93.361 ms
Loss rate: 1.42%
```
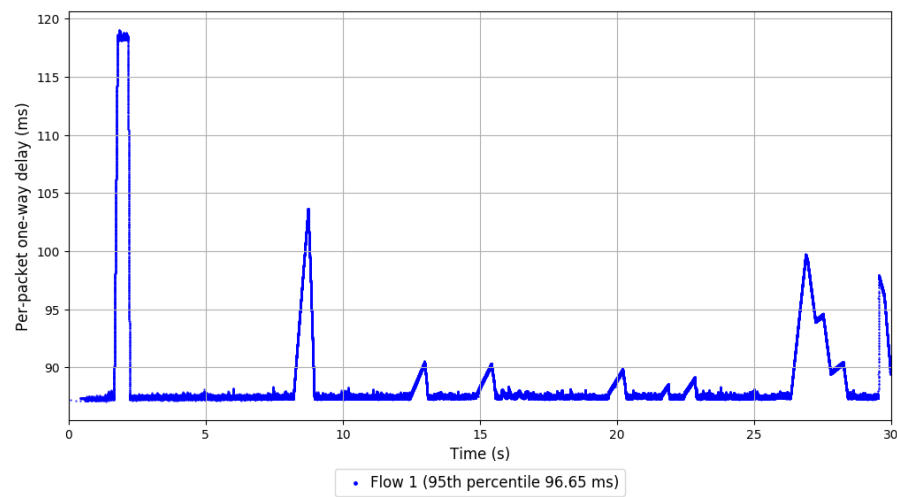
Run 6: Report of PCC — Data Link

```
Run 7: Statistics of PCC

Start at: 2018-02-16 03:52:17
End at: 2018-02-16 03:52:47
Local clock offset: -4.267 ms
Remote clock offset: 0.89 ms


# Below is generated by plot.py at 2018-02-16 05:48:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 96.647 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 96.647 ms
Loss rate: 1.45%
```
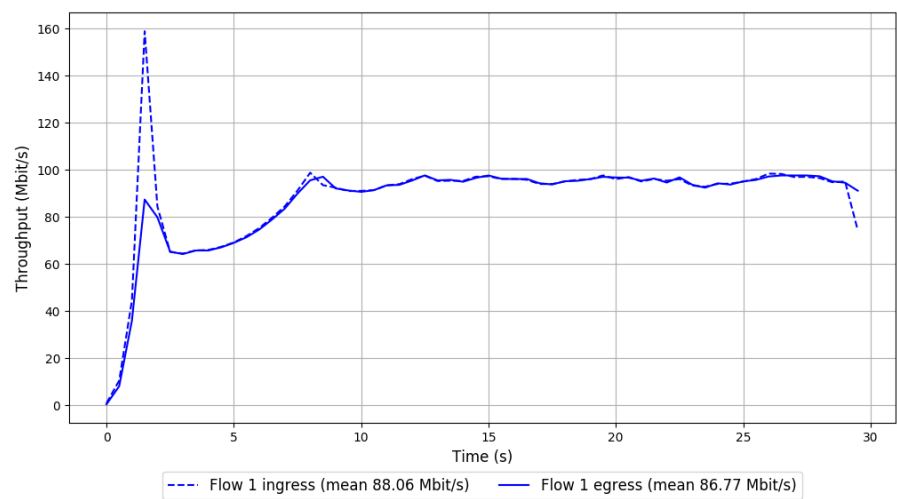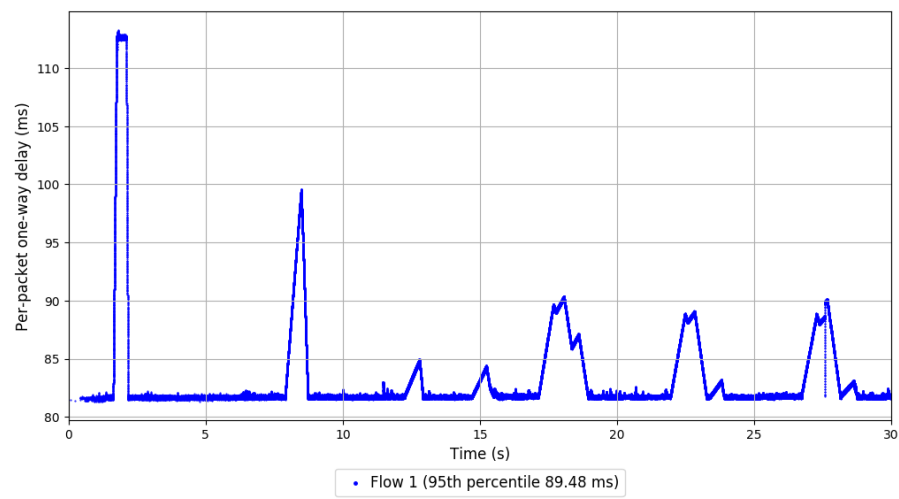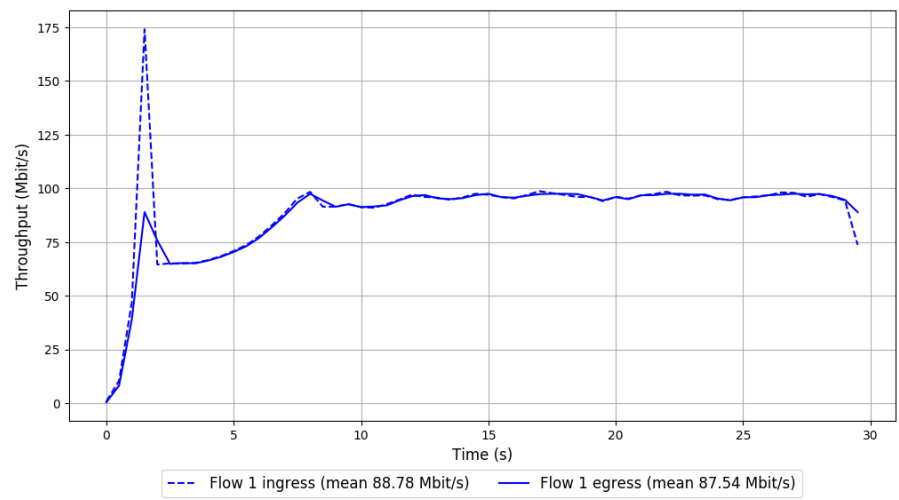
Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2018-02-16 04:14:17
End at: 2018-02-16 04:14:48
Local clock offset: -5.191 ms
Remote clock offset: -4.914 ms


# Below is generated by plot.py at 2018-02-16 05:48:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 89.478 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 89.478 ms
Loss rate: 1.40%
```

Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: 2018-02-16 04:36:22
End at: 2018-02-16 04:36:52
Local clock offset: -5.32 ms
Remote clock offset: 1.026 ms


# Below is generated by plot.py at 2018-02-16 05:49:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 98.550 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 98.550 ms
Loss rate: 1.43%
```
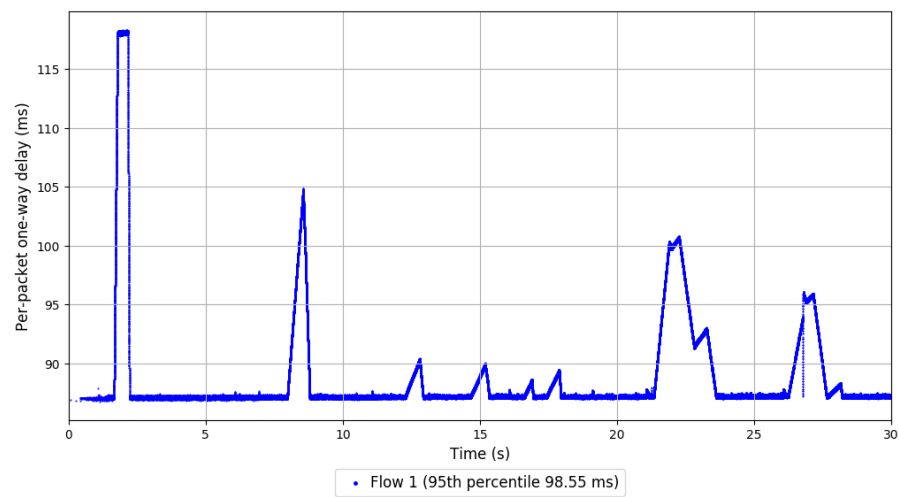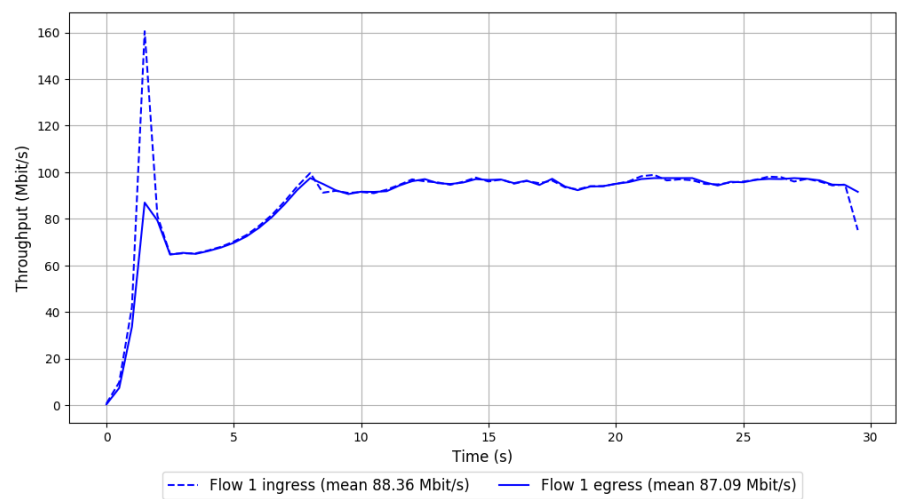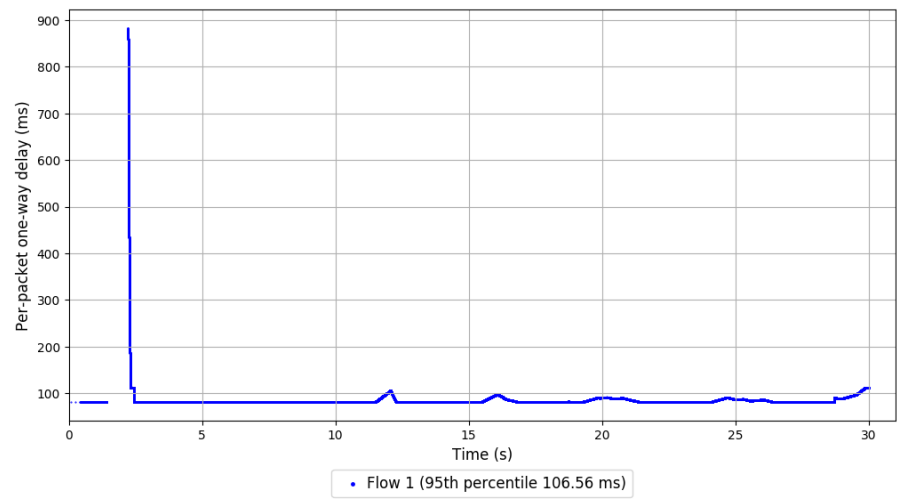
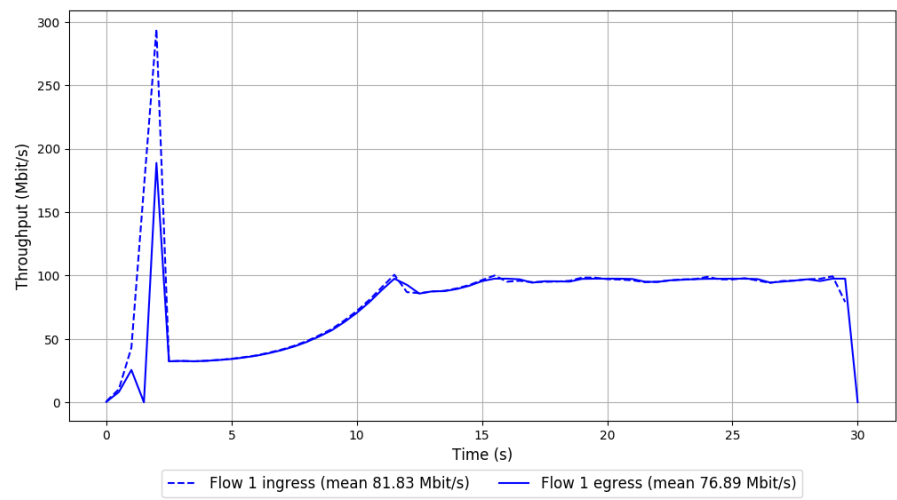Run 9: Report of PCC — Data Link
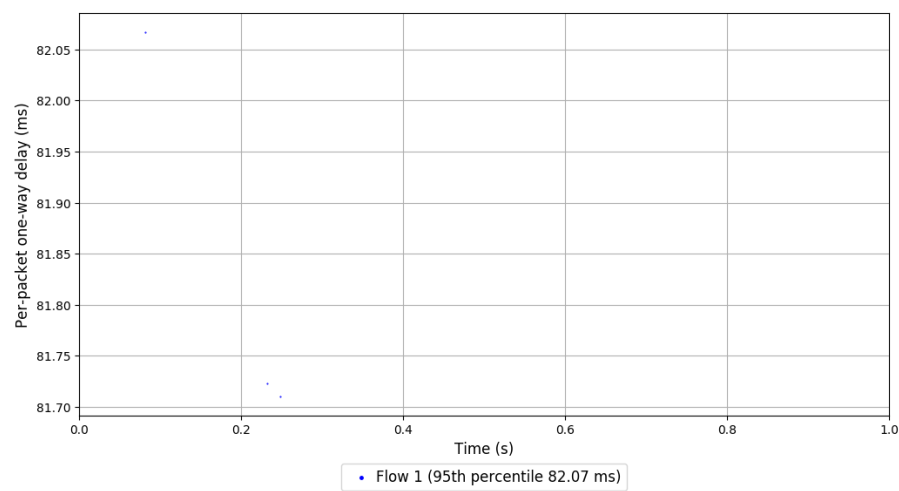
```
Run 10: Statistics of PCC

Start at: 2018-02-16 04:58:26
End at: 2018-02-16 04:58:57
Local clock offset: -4.119 ms
Remote clock offset: -4.525 ms


# Below is generated by plot.py at 2018-02-16 05:49:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 106.556 ms
Loss rate: 5.94%
-- Flow 1:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 106.556 ms
Loss rate: 5.94%
```

Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 81.83 Mbit/s) ---- Flow 1 egress (mean 76.89 Mbit/s)

Flow 1 (95th percentile 106.56 ms)
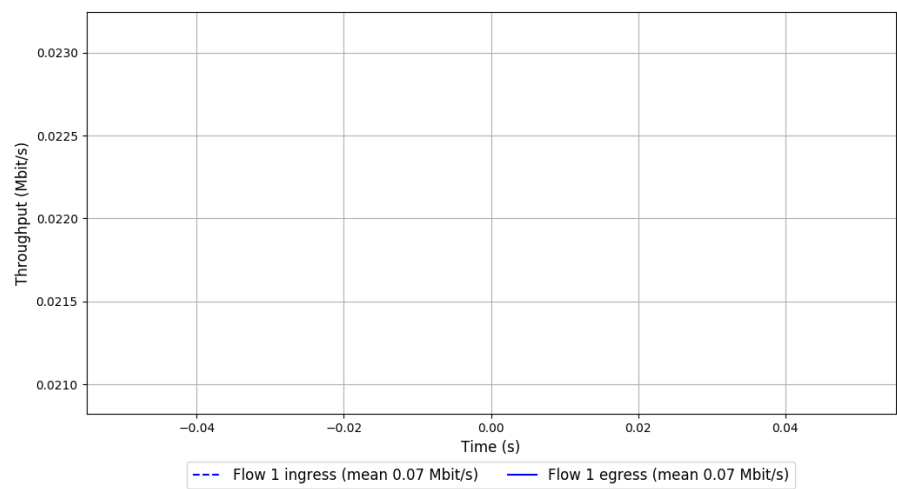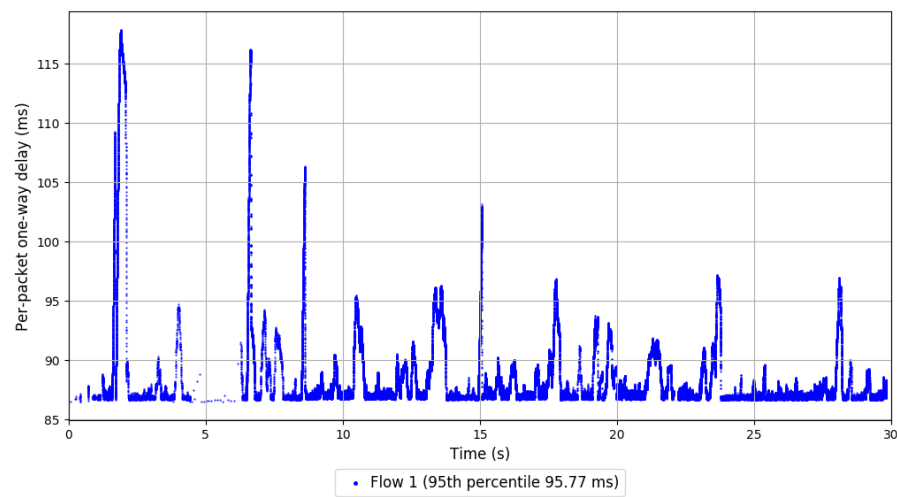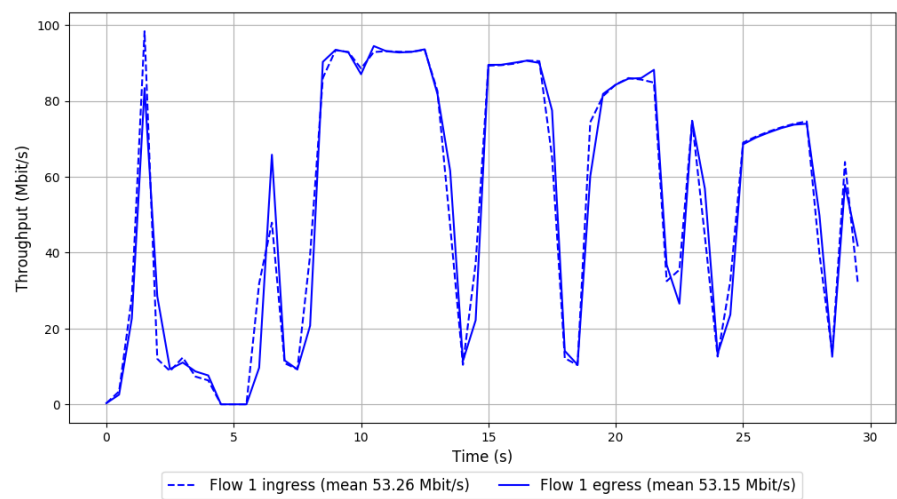
```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 01:45:02
End at: 2018-02-16 01:45:32
Local clock offset: 7.109 ms
Remote clock offset: 1.746 ms
```

Run 1: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.07 Mbit/s)   Flow 1 egress (mean 0.07 Mbit/s)

Flow 1 (95th percentile 82.07 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 02:06:54
End at: 2018-02-16 02:07:24
Local clock offset: -1.202 ms
Remote clock offset: 8.41 ms


# Below is generated by plot.py at 2018-02-16 05:49:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 95.767 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 95.767 ms
Loss rate: 0.21%
```

Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 02:28:53
End at: 2018-02-16 02:29:23
Local clock offset: -3.825 ms
Remote clock offset: 9.816 ms


# Below is generated by plot.py at 2018-02-16 05:49:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 96.121 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 96.121 ms
Loss rate: 0.38%
```
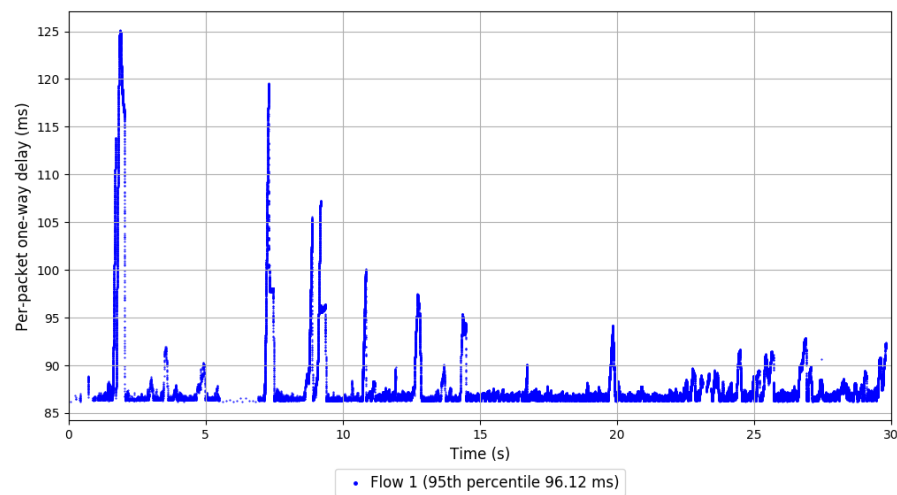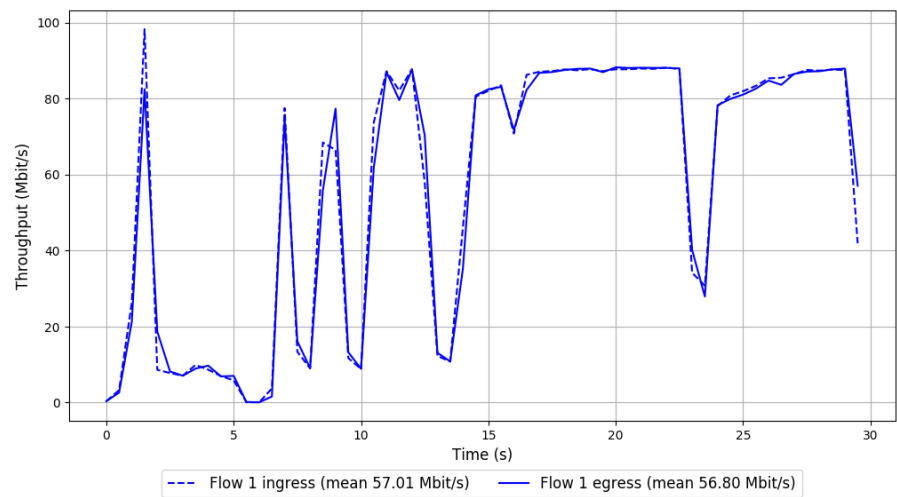
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 02:50:57
End at: 2018-02-16 02:51:27
Local clock offset: -4.052 ms
Remote clock offset: -4.4 ms


# Below is generated by plot.py at 2018-02-16 05:49:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 88.076 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 88.076 ms
Loss rate: 0.29%
```
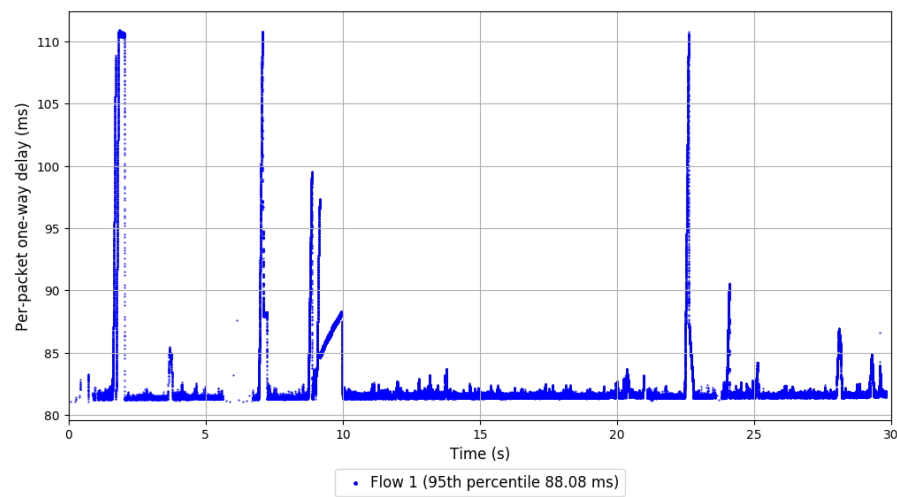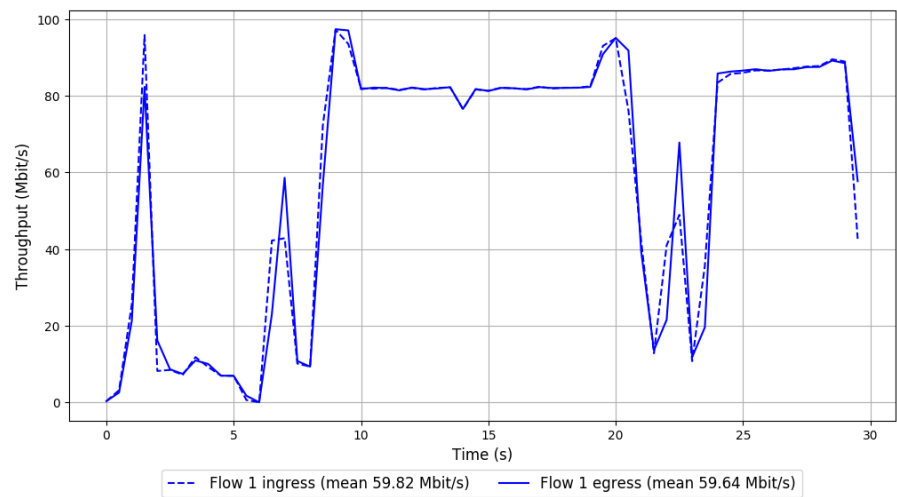
Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 03:13:02
End at: 2018-02-16 03:13:32
Local clock offset: -4.954 ms
Remote clock offset: -1.704 ms


# Below is generated by plot.py at 2018-02-16 05:49:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 95.985 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 95.985 ms
Loss rate: 0.54%
```
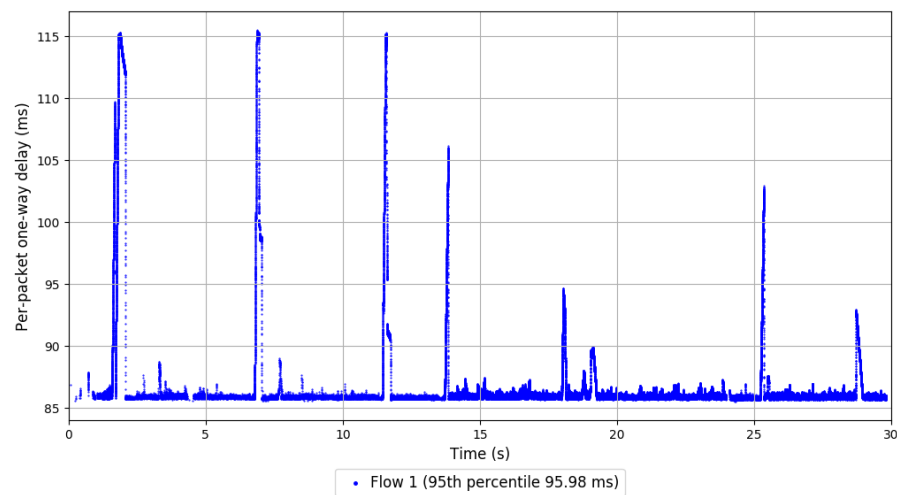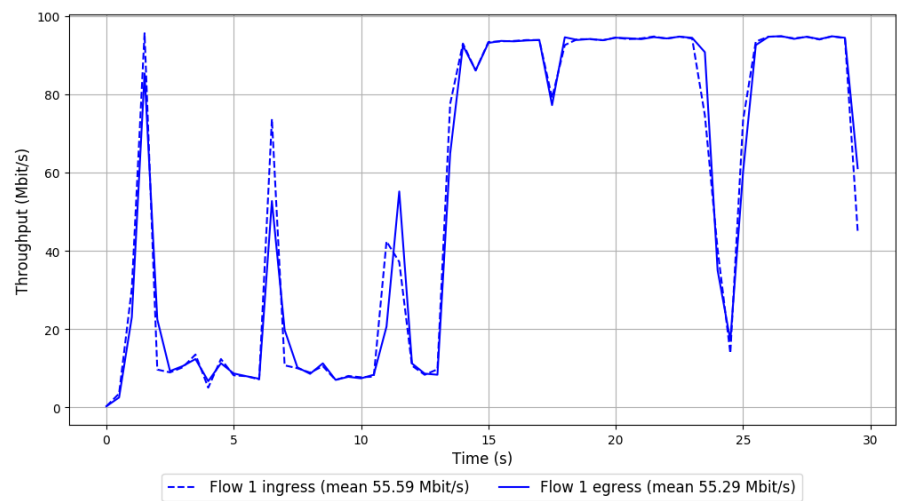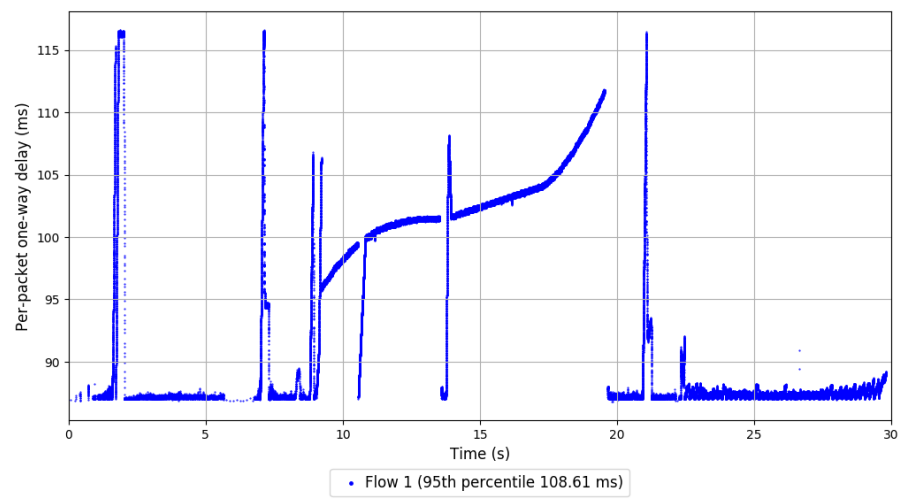
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 55.59 Mbit/s)   Flow 1 egress (mean 55.29 Mbit/s)

Flow 1 (95th percentile 95.98 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 03:35:03
End at: 2018-02-16 03:35:33
Local clock offset: -4.615 ms
Remote clock offset: 0.682 ms


# Below is generated by plot.py at 2018-02-16 05:49:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.82 Mbit/s
95th percentile per-packet one-way delay: 108.606 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 64.82 Mbit/s
95th percentile per-packet one-way delay: 108.606 ms
Loss rate: 0.28%
```
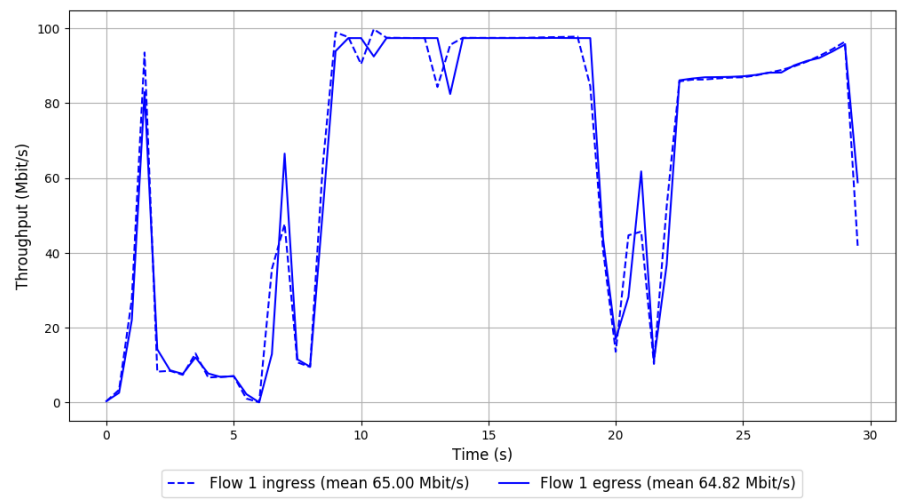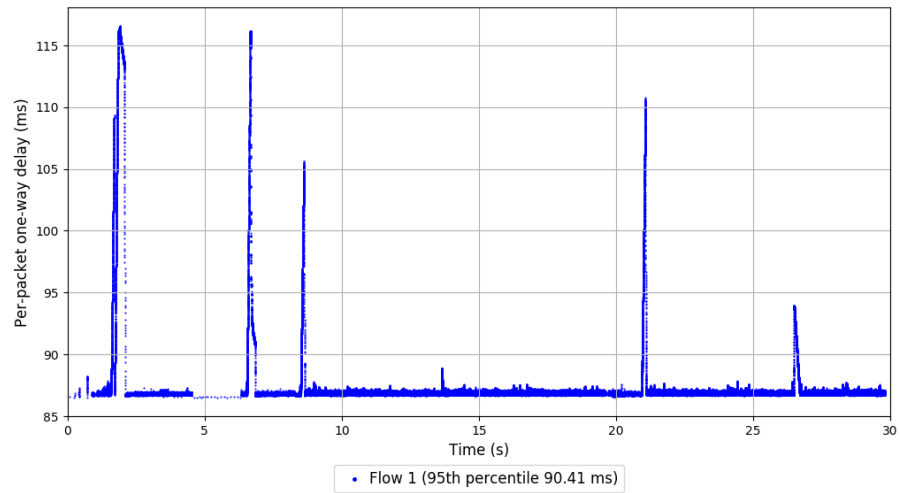
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 65.00 Mbit/s)   Flow 1 egress (mean 64.82 Mbit/s)

Flow 1 (95th percentile 108.61 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 03:57:07
End at: 2018-02-16 03:57:37
Local clock offset: -4.117 ms
Remote clock offset: 0.974 ms


# Below is generated by plot.py at 2018-02-16 05:50:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 90.406 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 90.406 ms
Loss rate: 0.13%
```
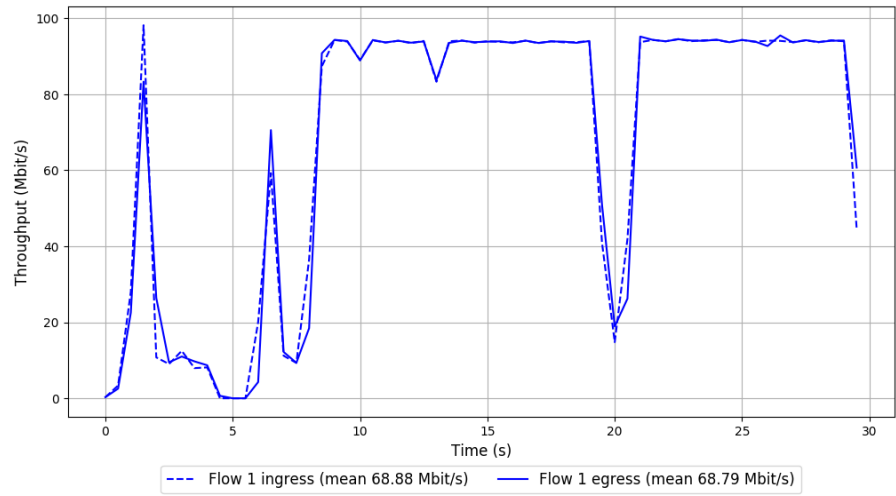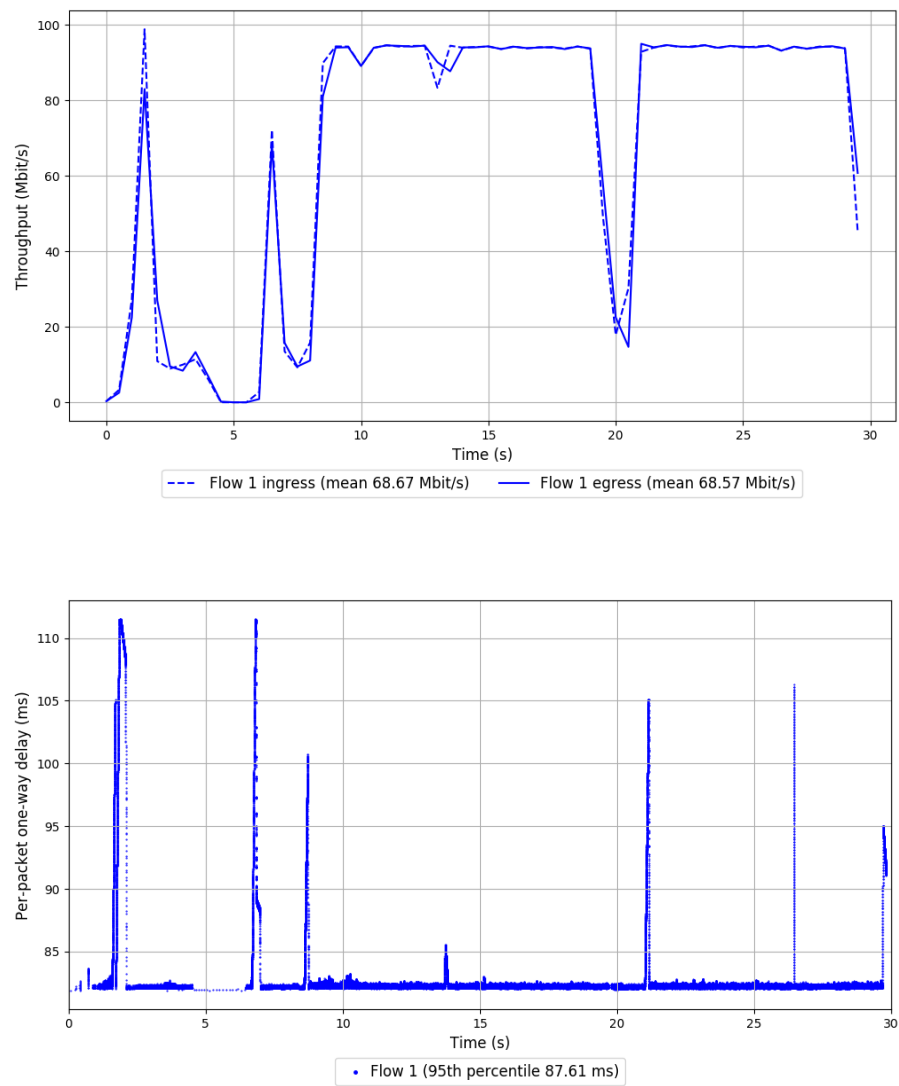
Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 04:19:07
End at: 2018-02-16 04:19:37
Local clock offset: -5.319 ms
Remote clock offset: -4.068 ms


# Below is generated by plot.py at 2018-02-16 05:50:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.57 Mbit/s
95th percentile per-packet one-way delay: 87.606 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 68.57 Mbit/s
95th percentile per-packet one-way delay: 87.606 ms
Loss rate: 0.12%
```

Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 68.67 Mbit/s) —— Flow 1 egress (mean 68.57 Mbit/s)
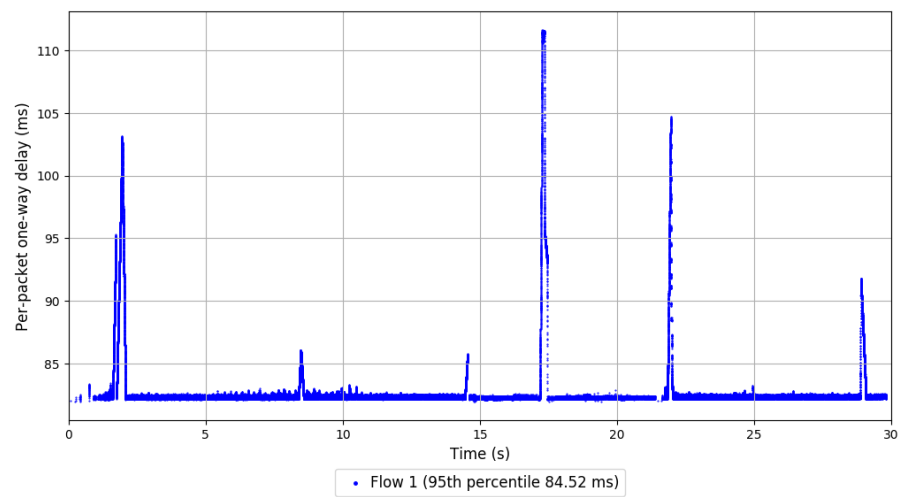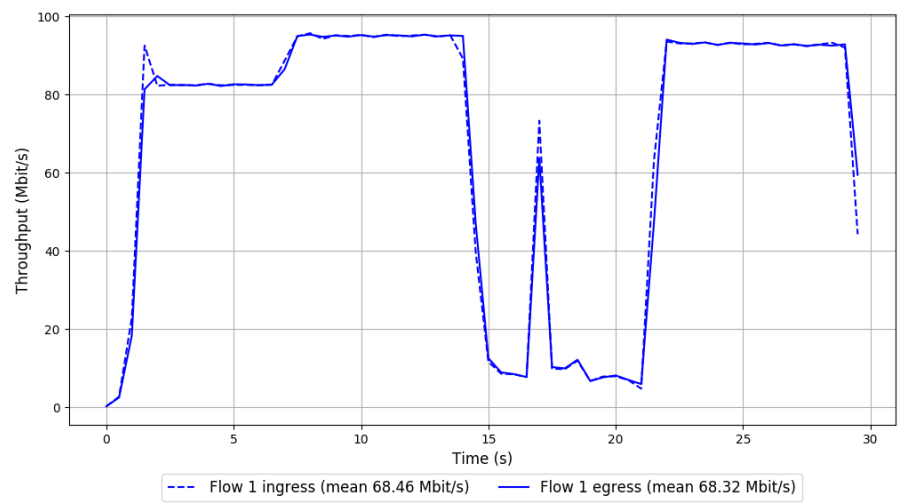

• Flow 1 (95th percentile 87.61 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 04:41:11
End at: 2018-02-16 04:41:41
Local clock offset: -4.866 ms
Remote clock offset: -3.814 ms

# Below is generated by plot.py at 2018-02-16 05:50:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 84.515 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 84.515 ms
Loss rate: 0.22%
```

Run 9: Report of QUIC Cubic — Data Link

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 05:03:16
End at: 2018-02-16 05:03:46
Local clock offset: -4.096 ms
Remote clock offset: 1.276 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.49 Mbit/s
95th percentile per-packet one-way delay: 94.557 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 62.49 Mbit/s
95th percentile per-packet one-way delay: 94.557 ms
Loss rate: 0.18%
```
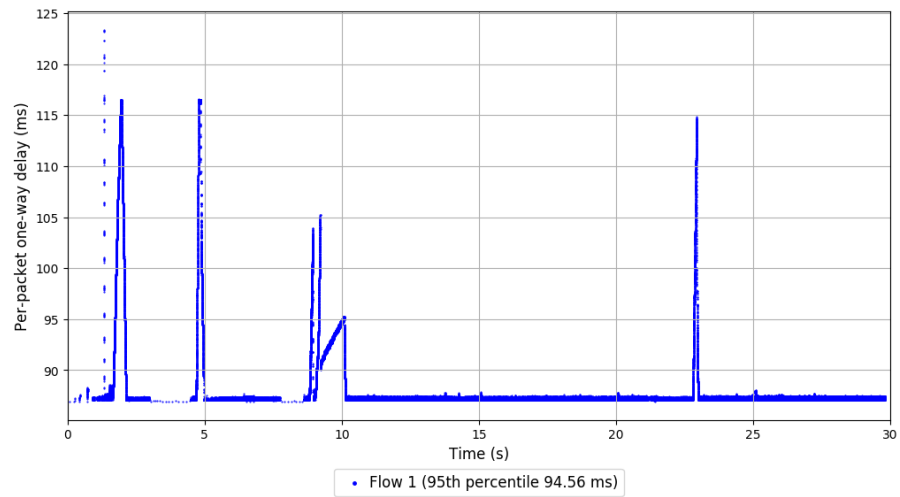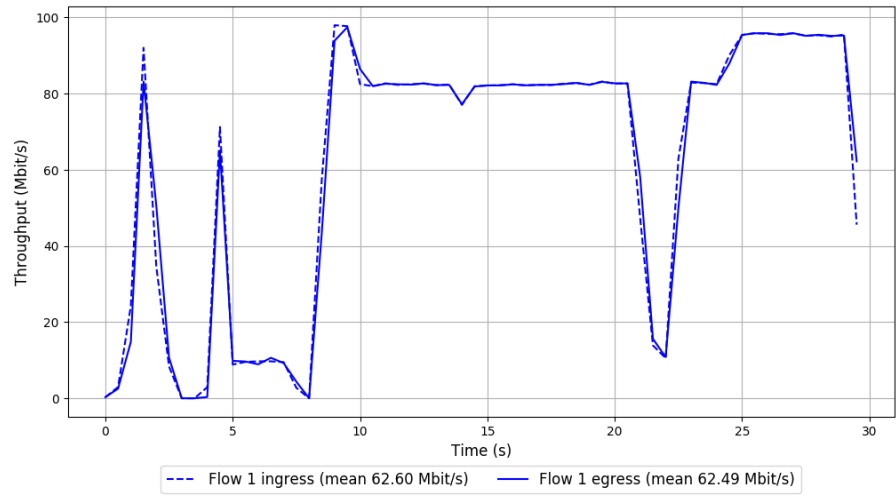
Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 62.60 Mbit/s) — — — Flow 1 egress (mean 62.49 Mbit/s)
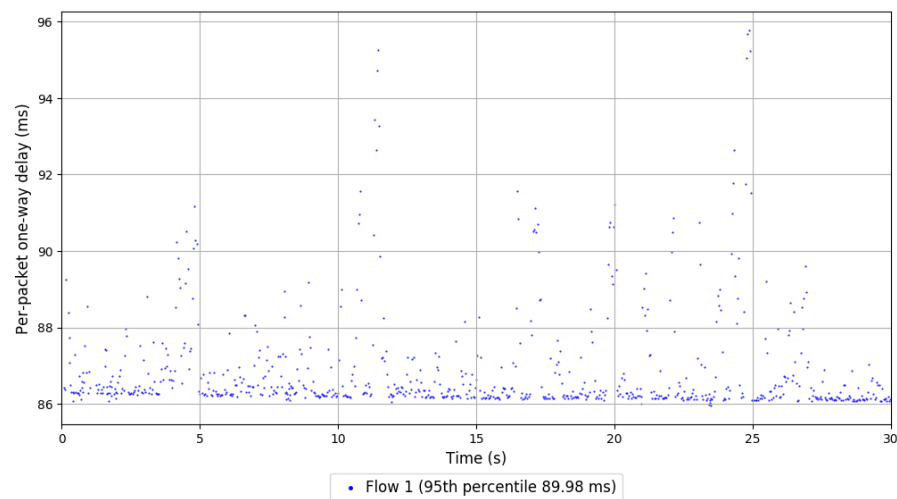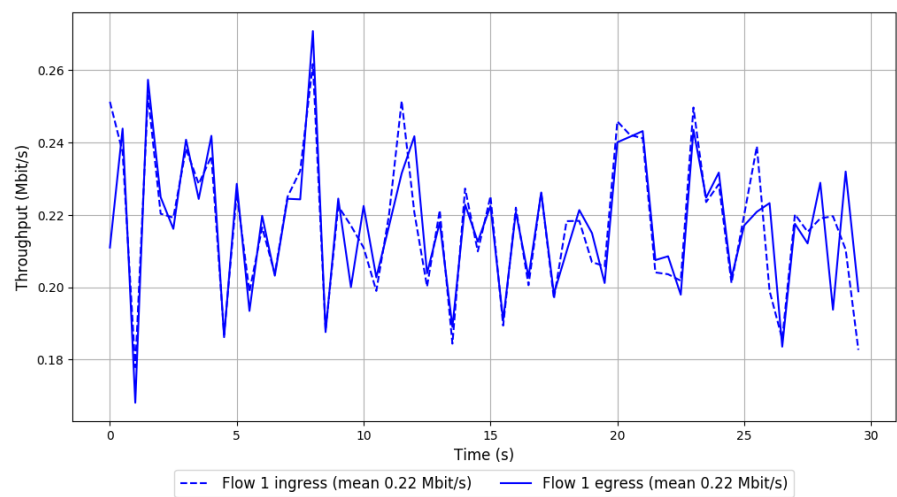

• Flow 1 (95th percentile 94.56 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-02-16 01:54:44
End at: 2018-02-16 01:55:14
Local clock offset: 0.041 ms
Remote clock offset: 6.68 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.981 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.981 ms
Loss rate: 0.13%
```
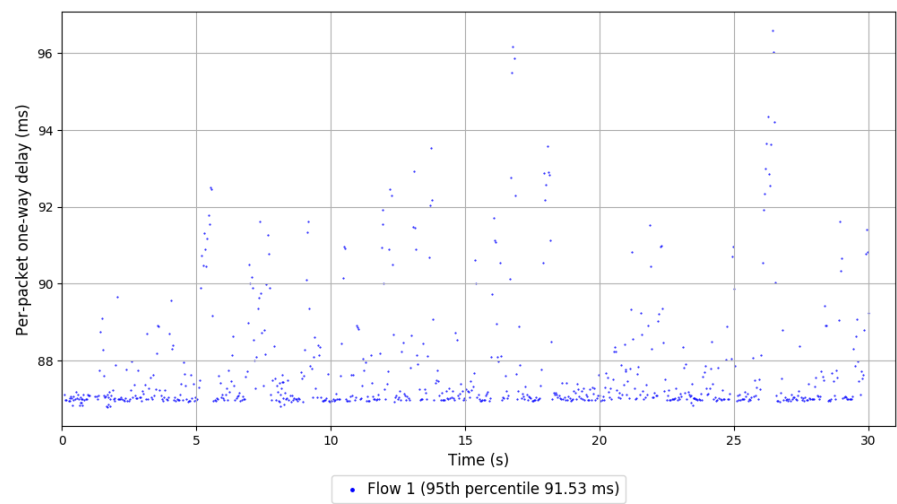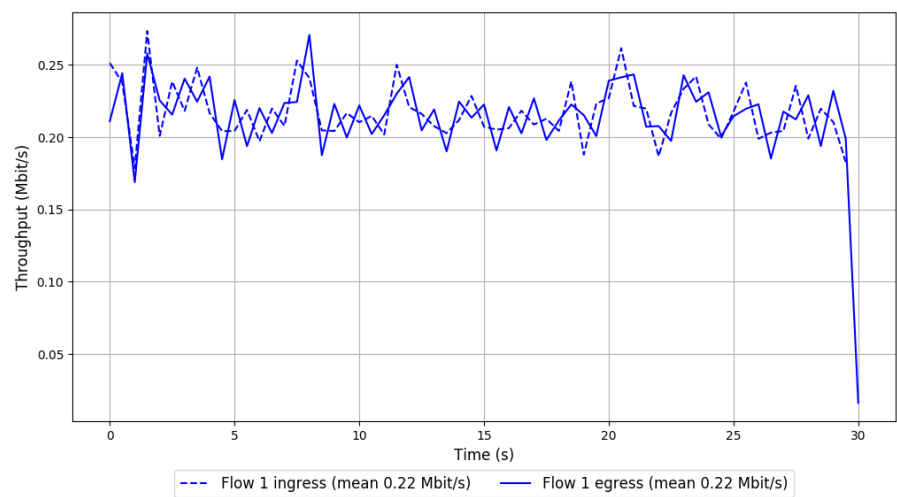
Run 1: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 89.98 ms)

```
Run 2: Statistics of SCReAM

Start at: 2018-02-16 02:16:42
End at: 2018-02-16 02:17:12
Local clock offset: -0.4 ms
Remote clock offset: 9.0 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.528 ms
Loss rate: 0.00%
```
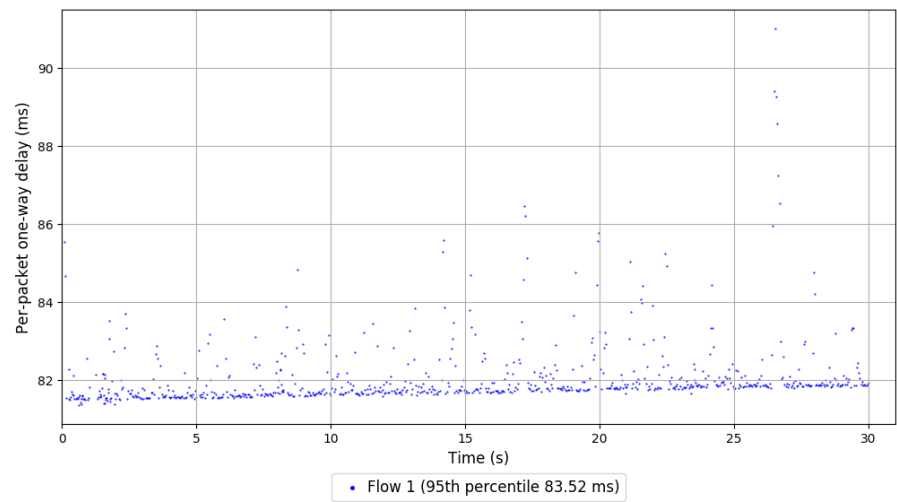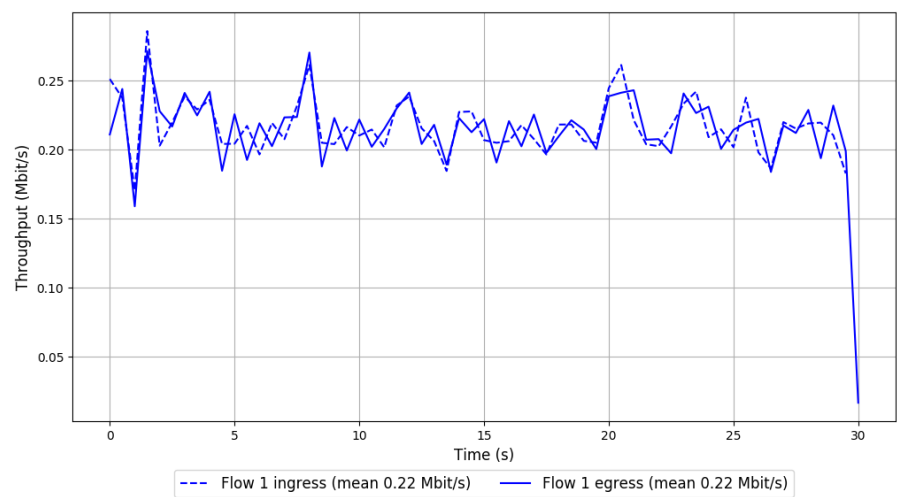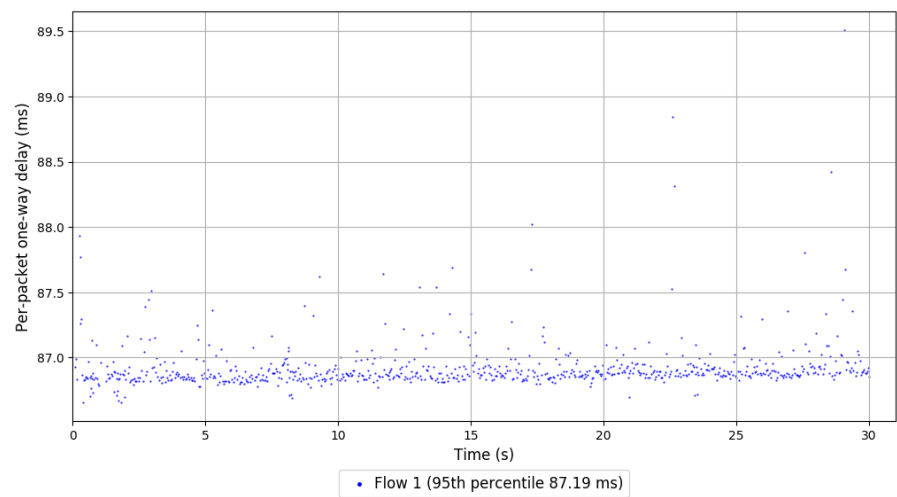
Run 2: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 91.53 ms)

107

```
Run 3: Statistics of SCReAM

Start at: 2018-02-16 02:38:41
End at: 2018-02-16 02:39:11
Local clock offset: -4.427 ms
Remote clock offset: 1.559 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.523 ms
Loss rate: 0.00%
```

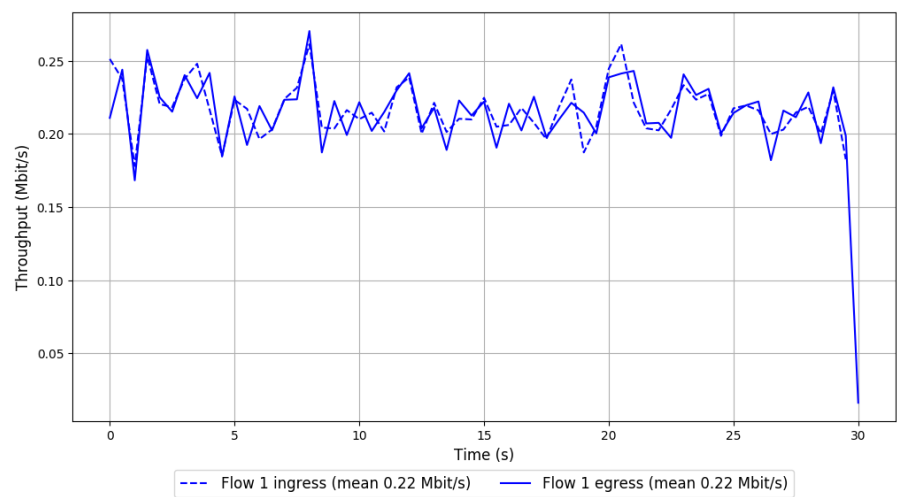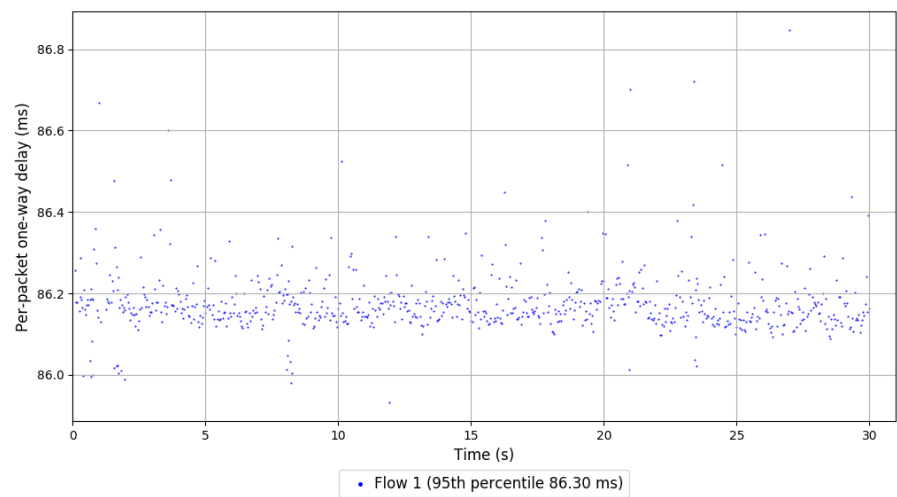Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2018-02-16 03:00:49
End at: 2018-02-16 03:01:19
Local clock offset: -4.9 ms
Remote clock offset: -0.615 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.194 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 87.19 ms)

```
Run 5: Statistics of SCReAM

Start at: 2018-02-16 03:22:53
End at: 2018-02-16 03:23:23
Local clock offset: -4.743 ms
Remote clock offset: -0.412 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.297 ms
Loss rate: 0.00%
```
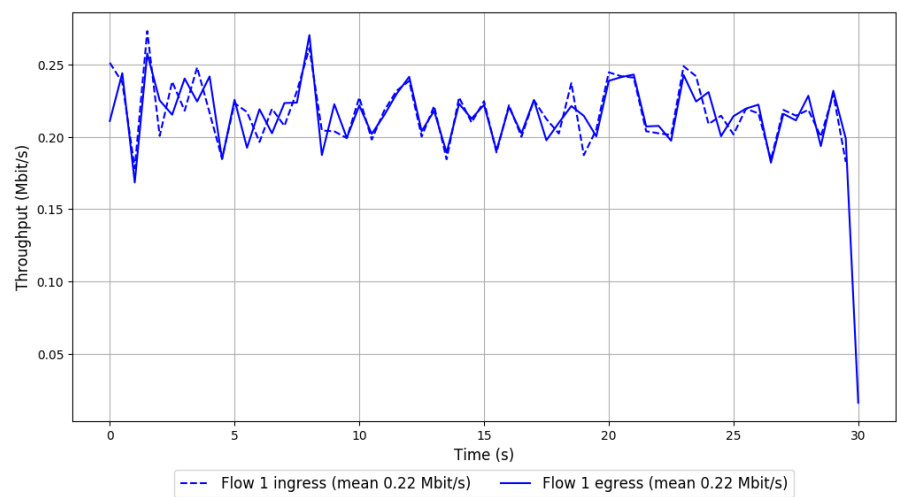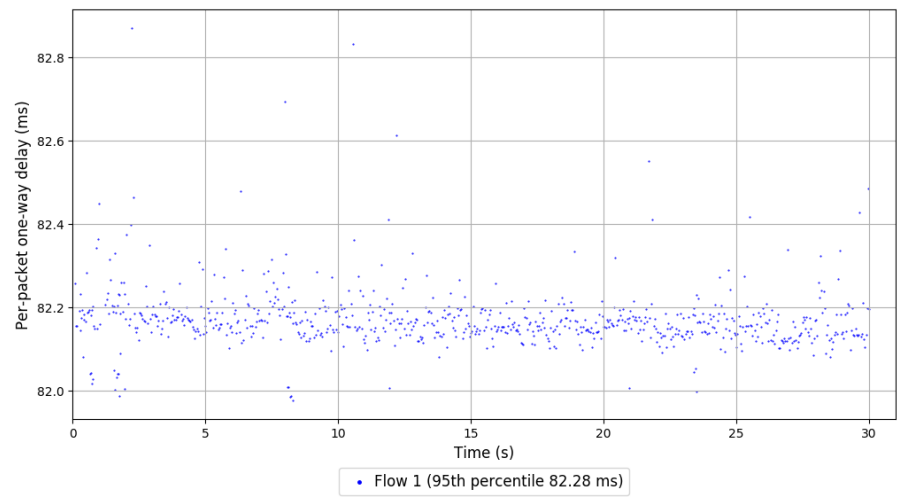
Run 5: Report of SCReAM — Data Link

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

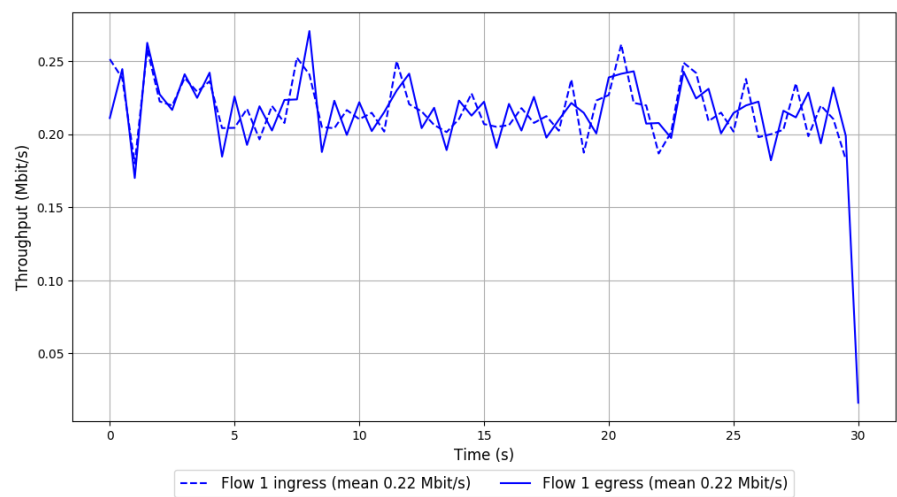Flow 1 (95th percentile 86.30 ms)

```
Run 6: Statistics of SCReAM

Start at: 2018-02-16 03:44:53
End at: 2018-02-16 03:45:23
Local clock offset: -4.495 ms
Remote clock offset: -4.269 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.283 ms
Loss rate: 0.00%
```
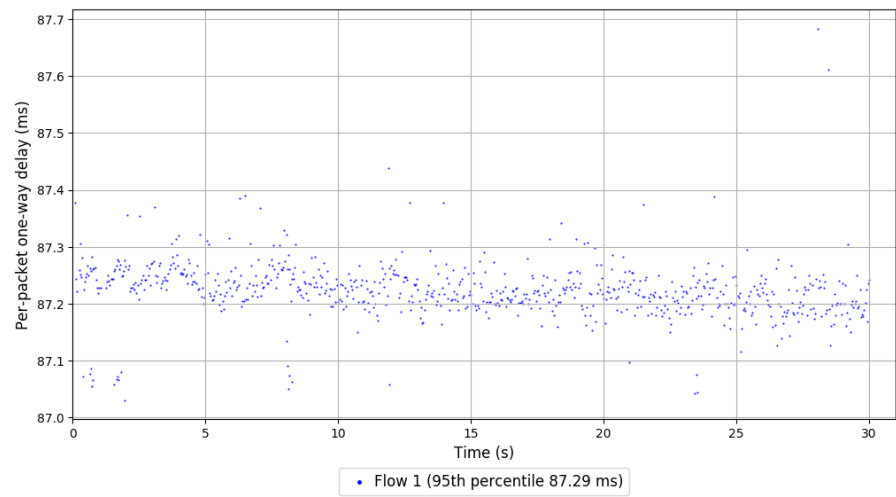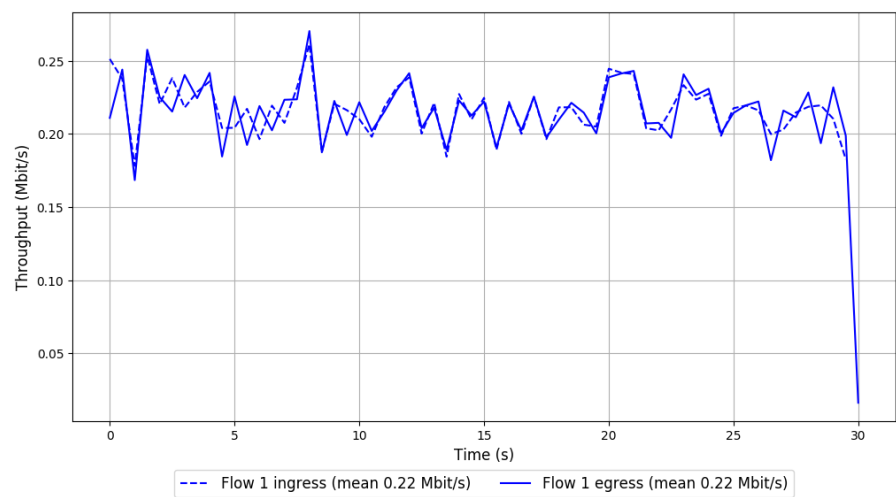
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 82.28 ms)

115

```
Run 7: Statistics of SCReAM

Start at: 2018-02-16 04:06:57
End at: 2018-02-16 04:07:27
Local clock offset: -4.767 ms
Remote clock offset: 0.9 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.290 ms
Loss rate: 0.00%
```
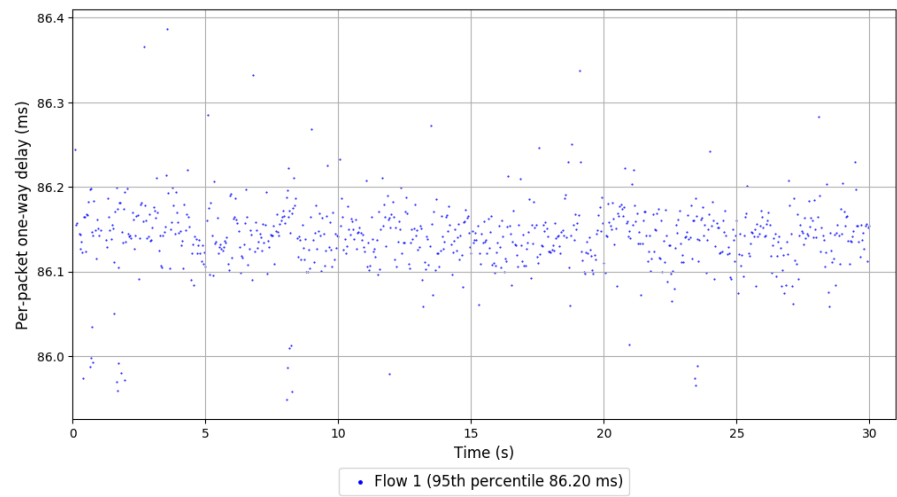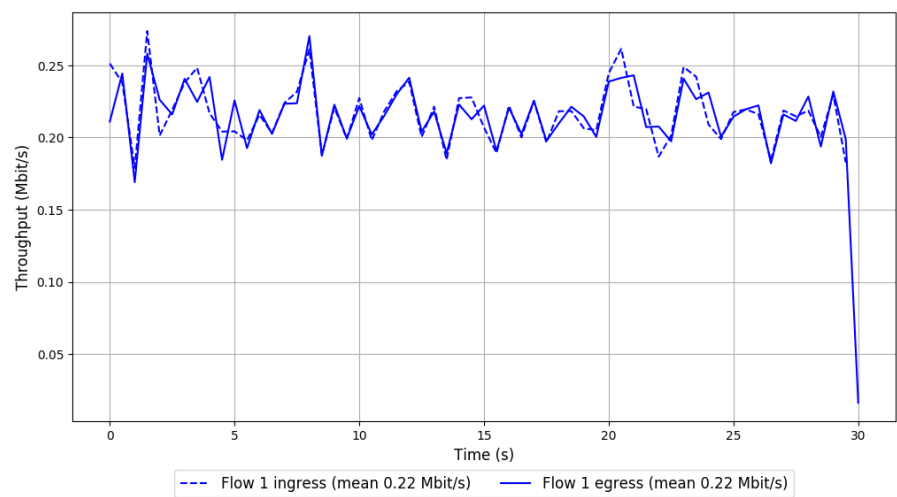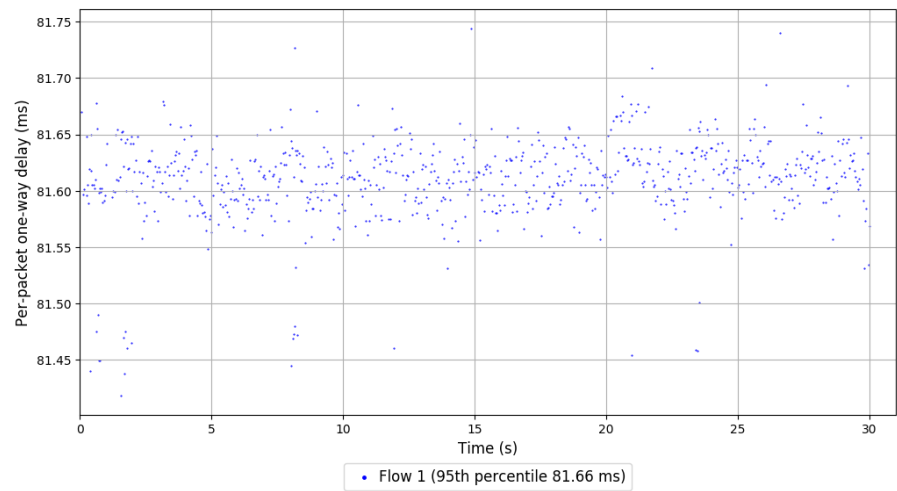
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2018-02-16 04:28:59
End at: 2018-02-16 04:29:29
Local clock offset: -5.481 ms
Remote clock offset: 0.124 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.198 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

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

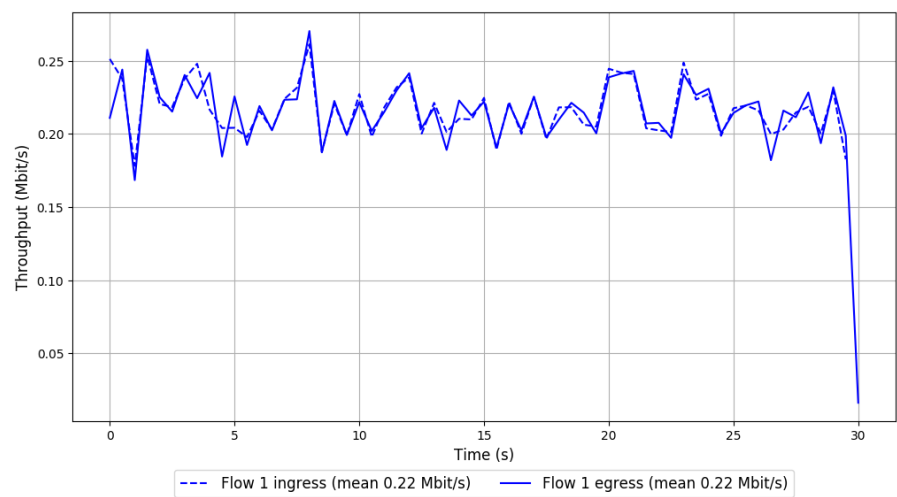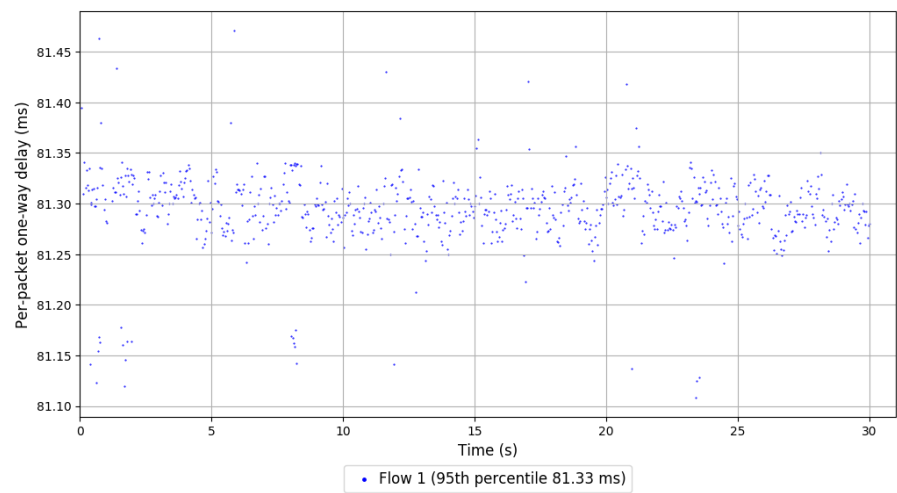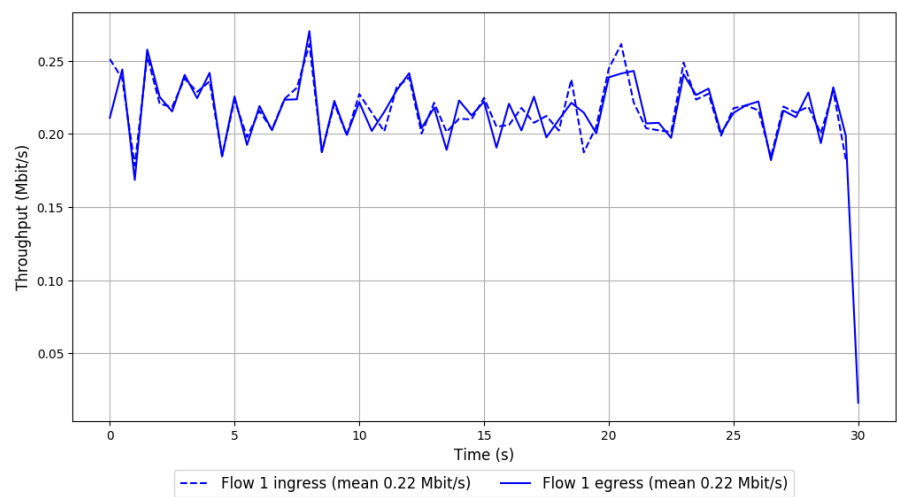Flow 1 (95th percentile 86.20 ms)

```
Run 9: Statistics of SCReAM

Start at: 2018-02-16 04:51:05
End at: 2018-02-16 04:51:35
Local clock offset: -4.412 ms
Remote clock offset: -4.813 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.657 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 81.66 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-02-16 05:13:26
End at: 2018-02-16 05:13:56
Local clock offset: -4.005 ms
Remote clock offset: -4.364 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.335 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2018-02-16 01:55:54
End at: 2018-02-16 01:56:24
Local clock offset: -0.356 ms
Remote clock offset: 2.714 ms

# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 85.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 85.856 ms
Loss rate: 0.00%
```
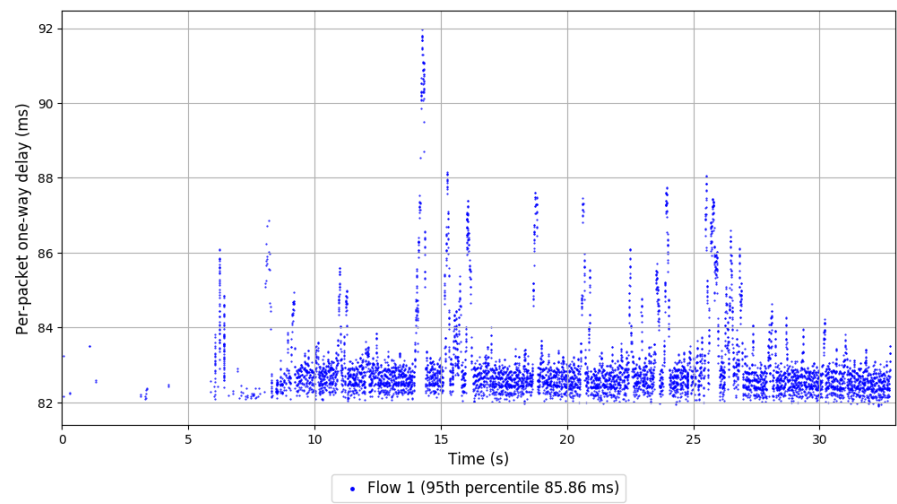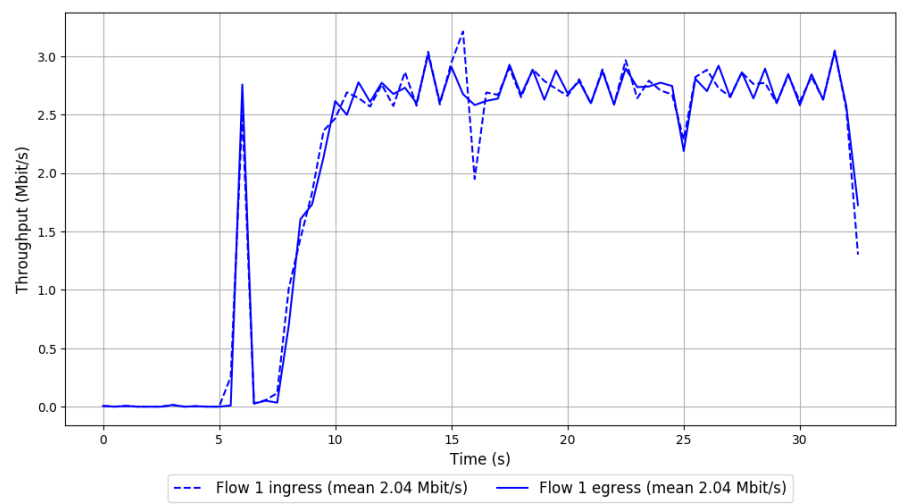
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-02-16 02:17:52
End at: 2018-02-16 02:18:22
Local clock offset: -0.325 ms
Remote clock offset: 9.068 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 93.460 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 93.460 ms
Loss rate: 0.03%
```
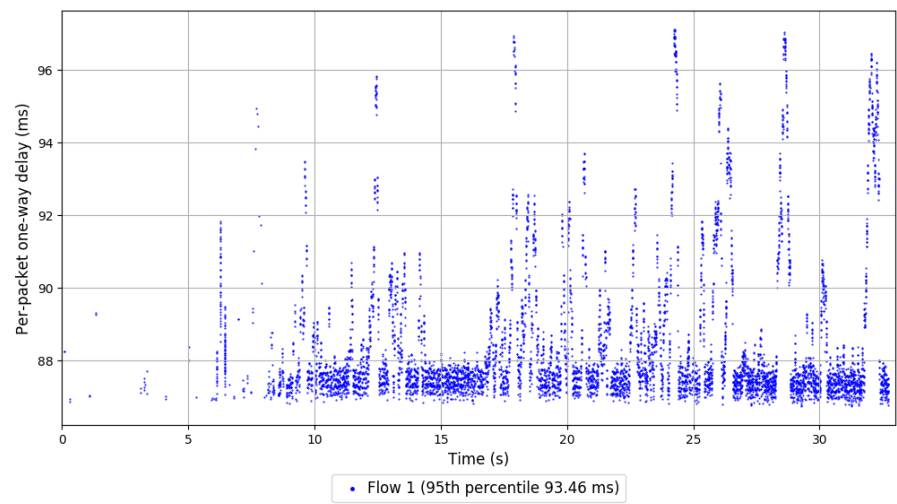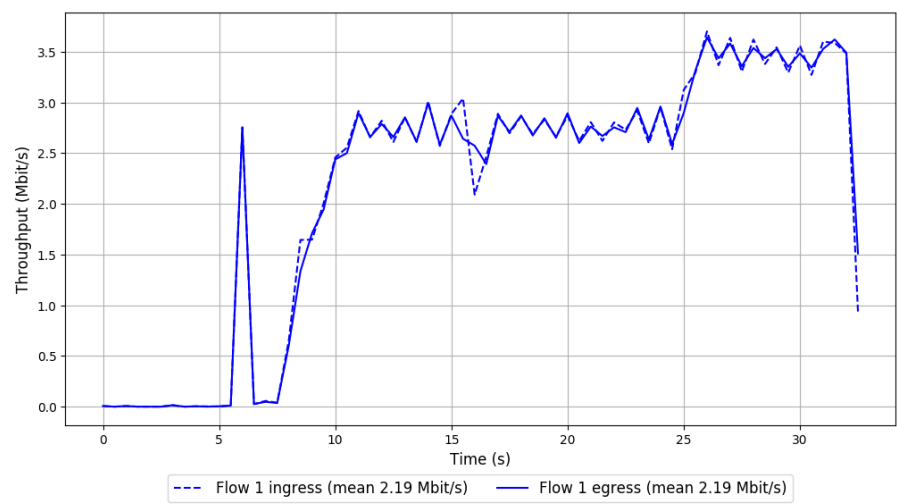
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-02-16 02:39:50
End at: 2018-02-16 02:40:20
Local clock offset: -4.353 ms
Remote clock offset: 6.379 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 88.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 88.579 ms
Loss rate: 0.00%
```
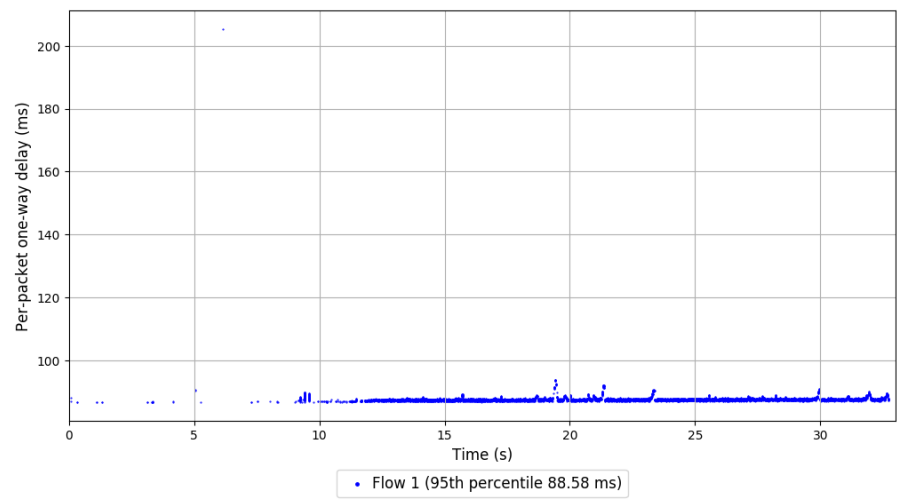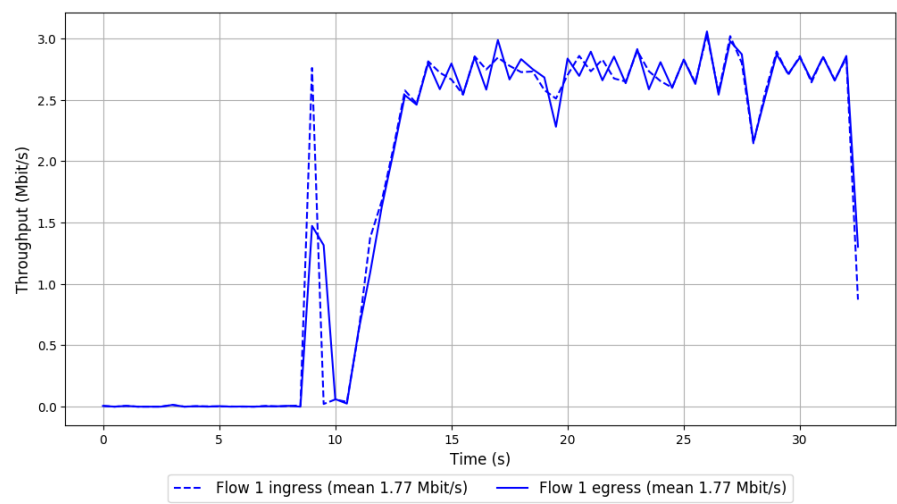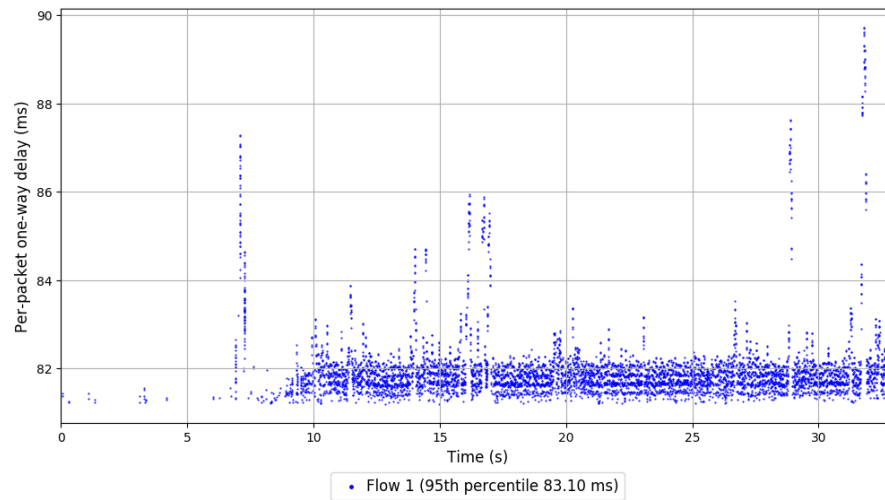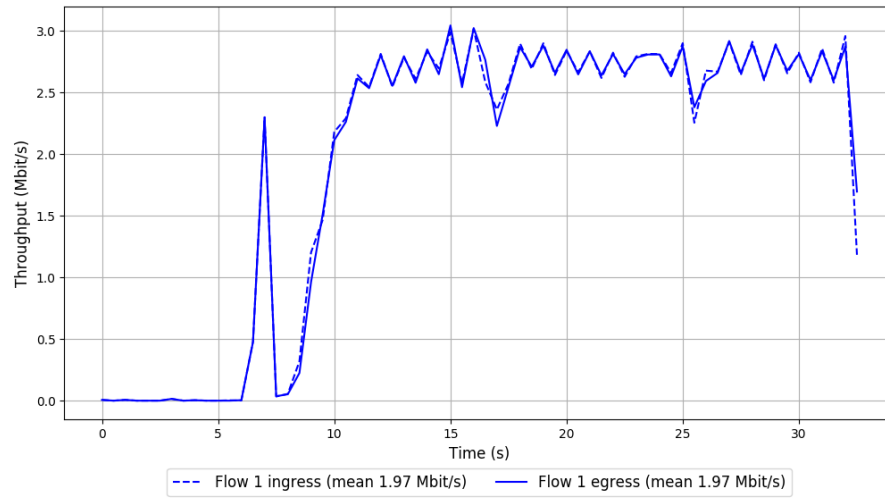
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-02-16 03:01:58
End at: 2018-02-16 03:02:28
Local clock offset: -4.918 ms
Remote clock offset: -6.46 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 83.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 83.102 ms
Loss rate: 0.00%
```
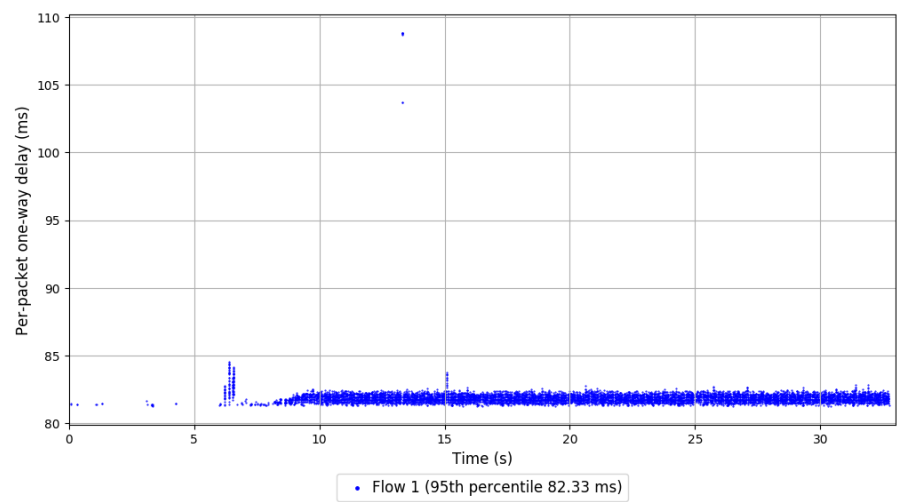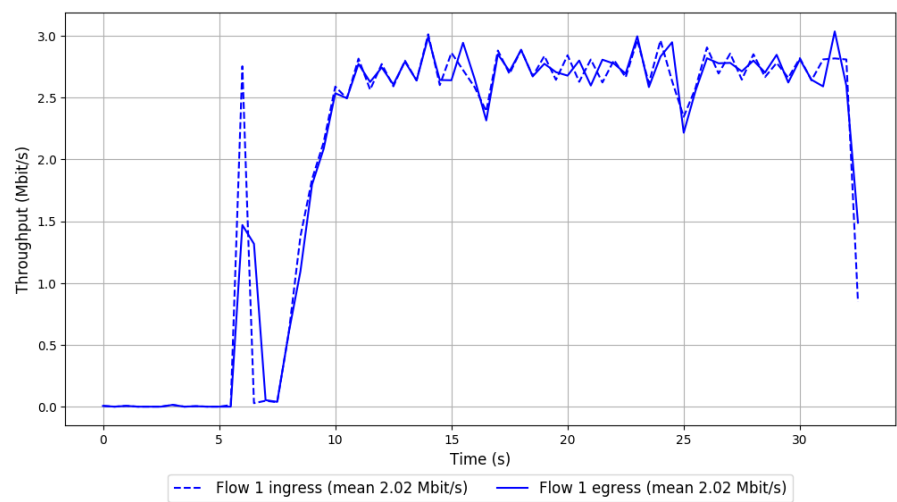
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2018-02-16 03:24:02
End at: 2018-02-16 03:24:32
Local clock offset: -4.724 ms
Remote clock offset: -5.224 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 82.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 82.332 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.02 Mbit/s)   Flow 1 egress (mean 2.02 Mbit/s)
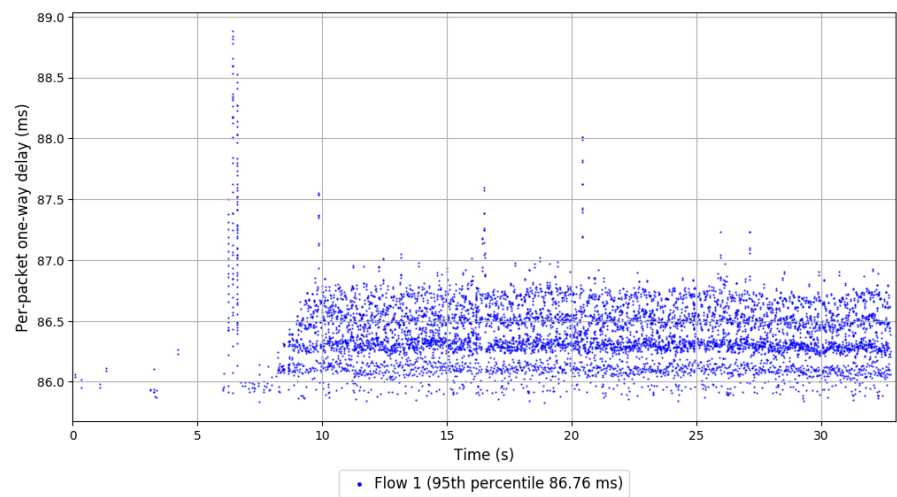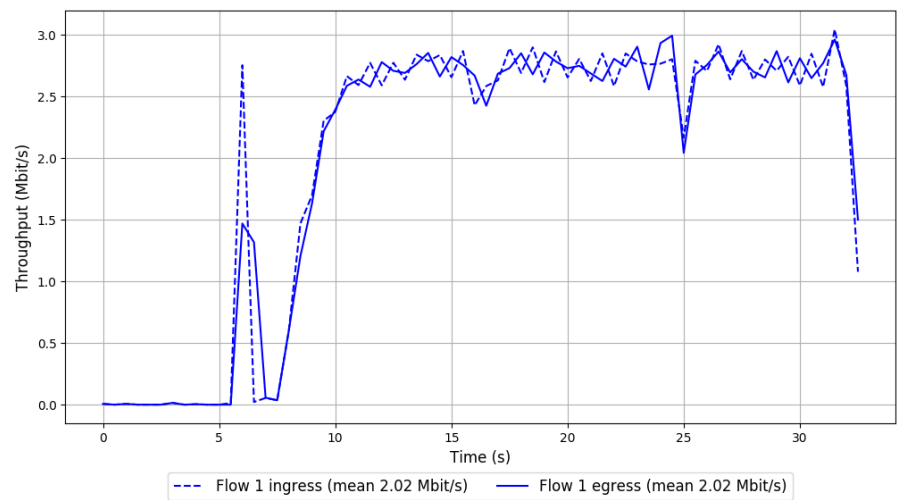

Flow 1 (95th percentile 82.33 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-02-16 03:46:03
End at: 2018-02-16 03:46:33
Local clock offset: -4.415 ms
Remote clock offset: -0.192 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 86.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 86.764 ms
Loss rate: 0.00%
```
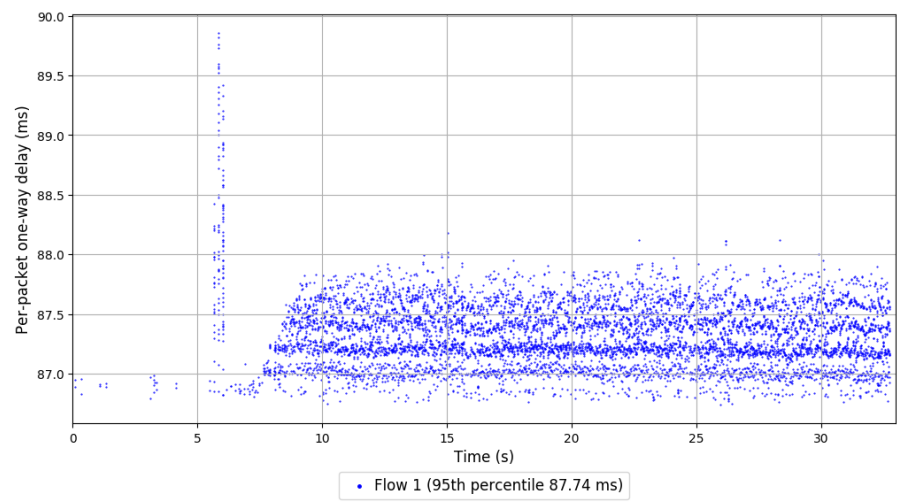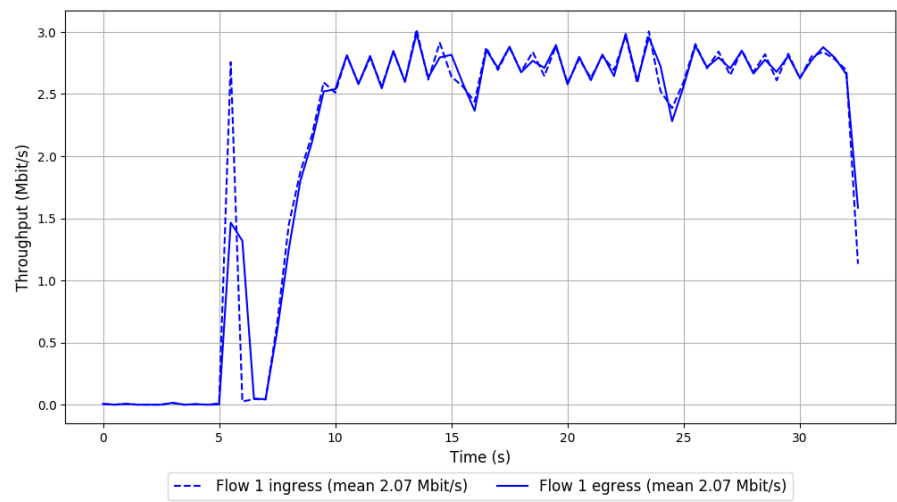
Run 6: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.02 Mbit/s)   Flow 1 egress (mean 2.02 Mbit/s)

Flow 1 (95th percentile 86.76 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2018-02-16 04:08:06
End at: 2018-02-16 04:08:36
Local clock offset: -4.918 ms
Remote clock offset: 0.838 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 87.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 87.741 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.07 Mbit/s)   Flow 1 egress (mean 2.07 Mbit/s)

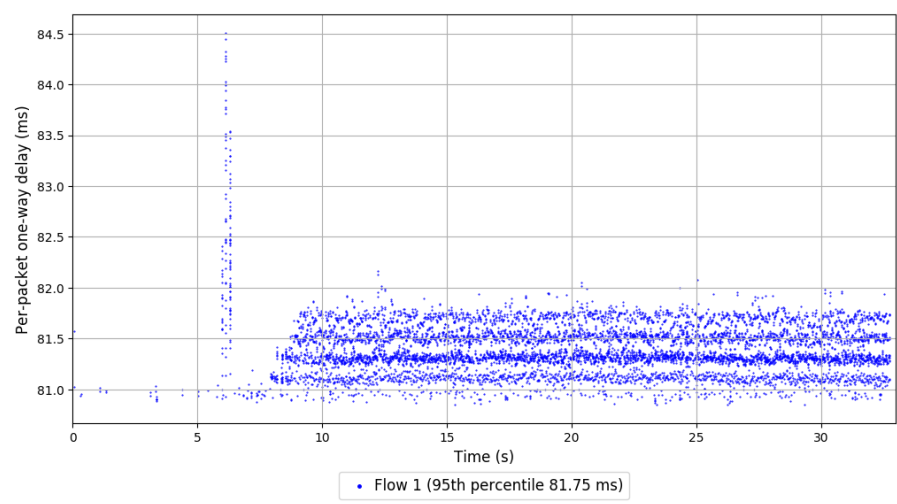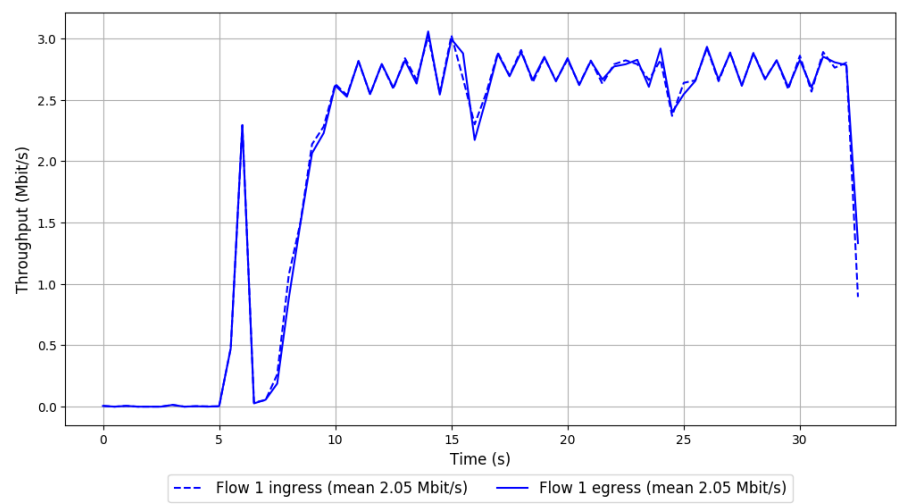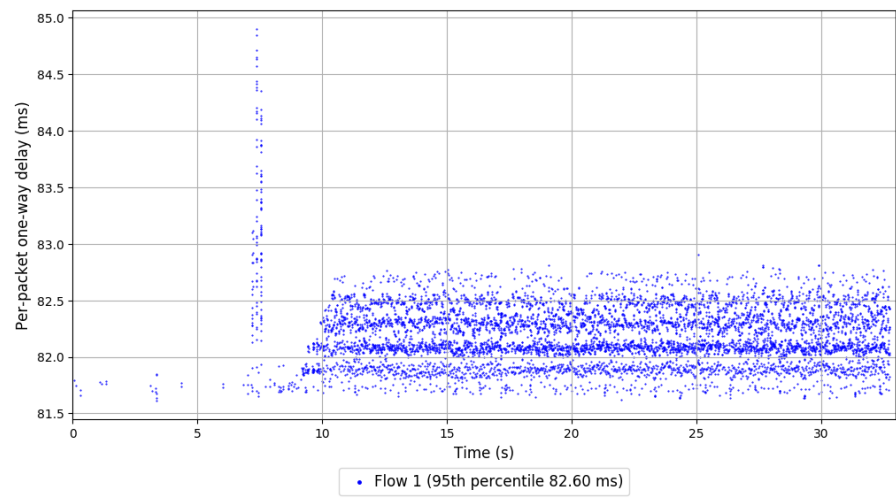
Flow 1 (95th percentile 87.74 ms)

```
Run 8: Statistics of WebRTC media

Start at: 2018-02-16 04:30:08
End at: 2018-02-16 04:30:38
Local clock offset: -5.529 ms
Remote clock offset: -4.662 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 81.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 81.753 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.05 Mbit/s)   Flow 1 egress (mean 2.05 Mbit/s)

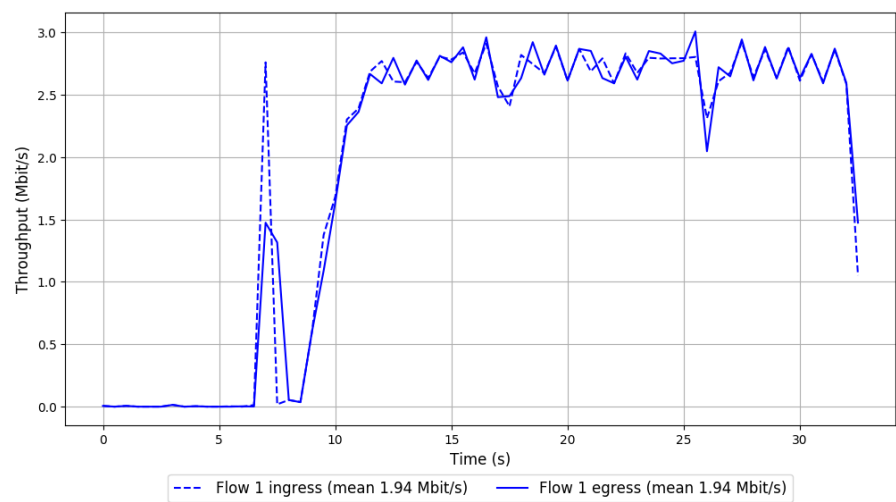

Flow 1 (95th percentile 81.75 ms)

```
Run 9: Statistics of WebRTC media

Start at: 2018-02-16 04:52:14
End at: 2018-02-16 04:52:44
Local clock offset: -4.279 ms
Remote clock offset: -4.712 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 82.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 82.597 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-02-16 05:14:36
End at: 2018-02-16 05:15:06
Local clock offset: -4.032 ms
Remote clock offset: 2.101 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 87.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 87.830 ms
Loss rate: 0.00%
```
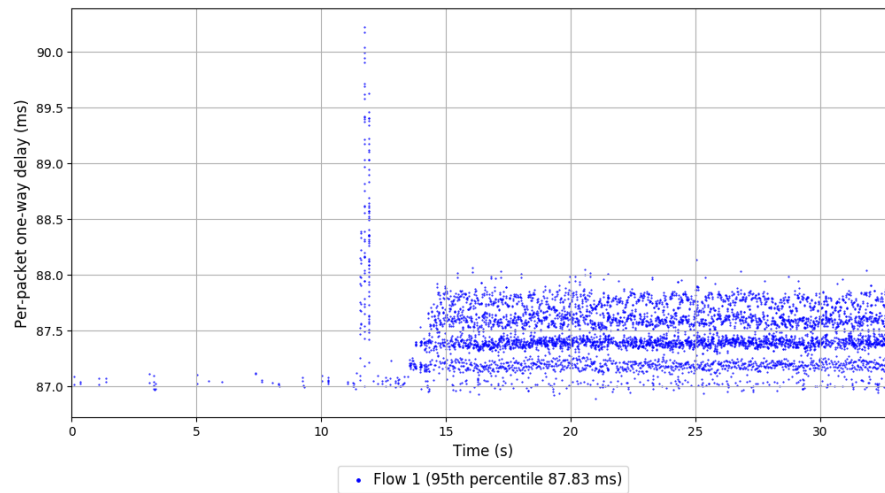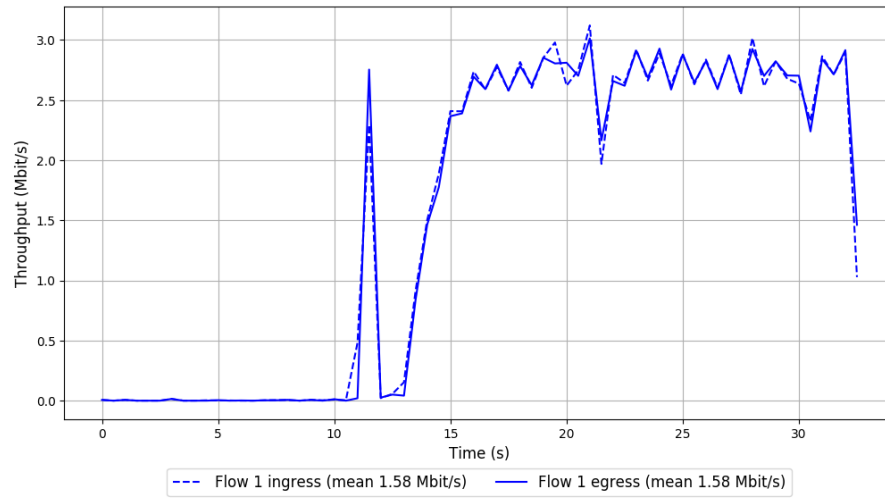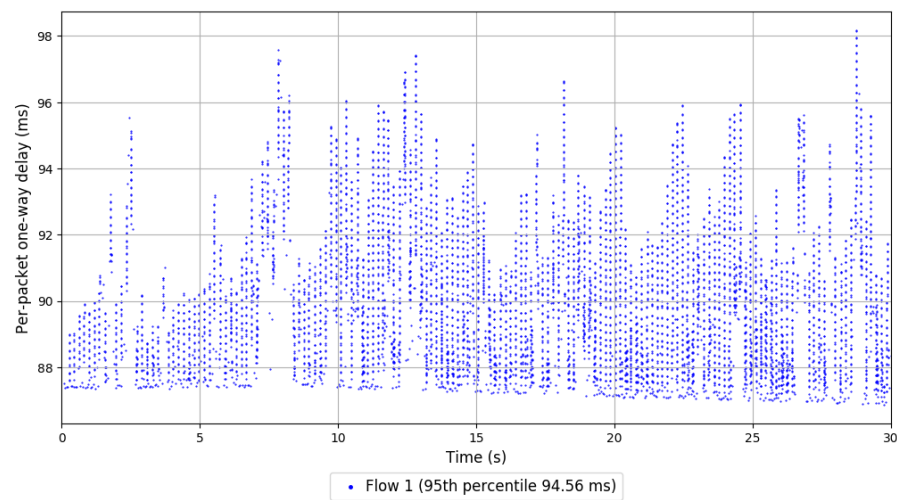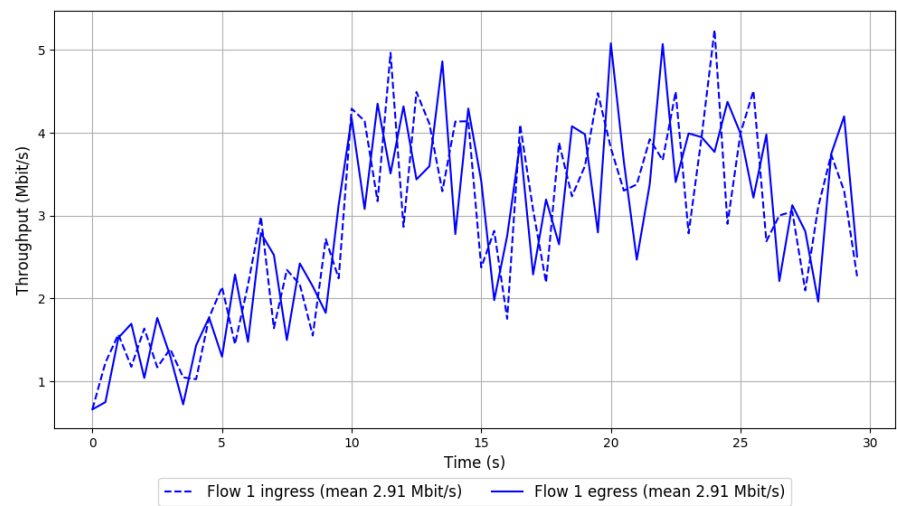
Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.58 Mbit/s) --- Flow 1 egress (mean 1.58 Mbit/s)
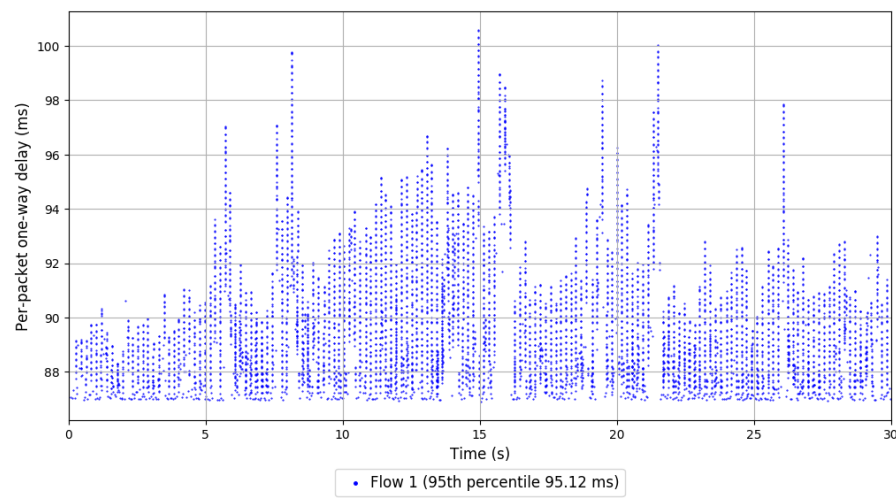

Flow 1 (95th percentile 87.83 ms)

```
Run 1: Statistics of Sprout

Start at: 2018-02-16 01:43:52
End at: 2018-02-16 01:44:22
Local clock offset: 7.675 ms
Remote clock offset: 6.431 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 94.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 94.563 ms
Loss rate: 0.00%
```

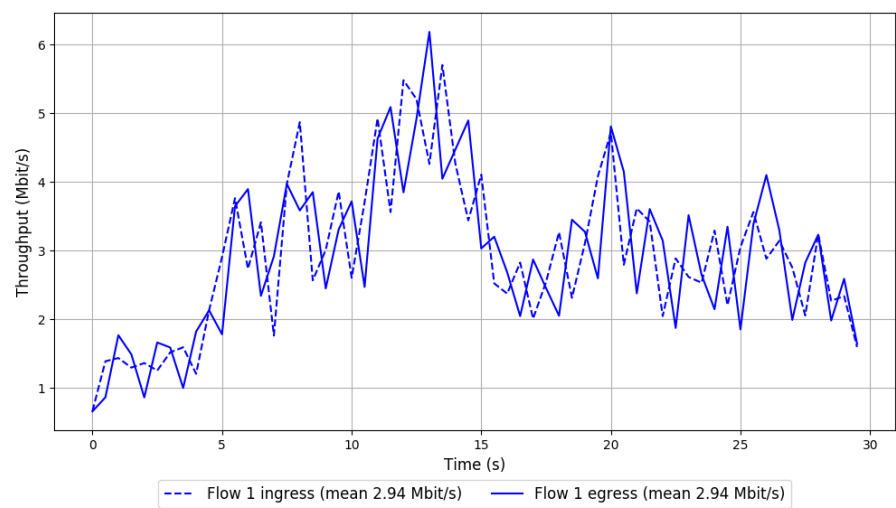Run 1: Report of Sprout — Data Link

Run 2: Statistics of Sprout

Start at: 2018-02-16 02:05:44
End at: 2018-02-16 02:06:14
Local clock offset: -1.256 ms
Remote clock offset: 8.249 ms

Below is generated by plot.py at 2018-02-16 05:50:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 95.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 95.119 ms
Loss rate: 0.00%

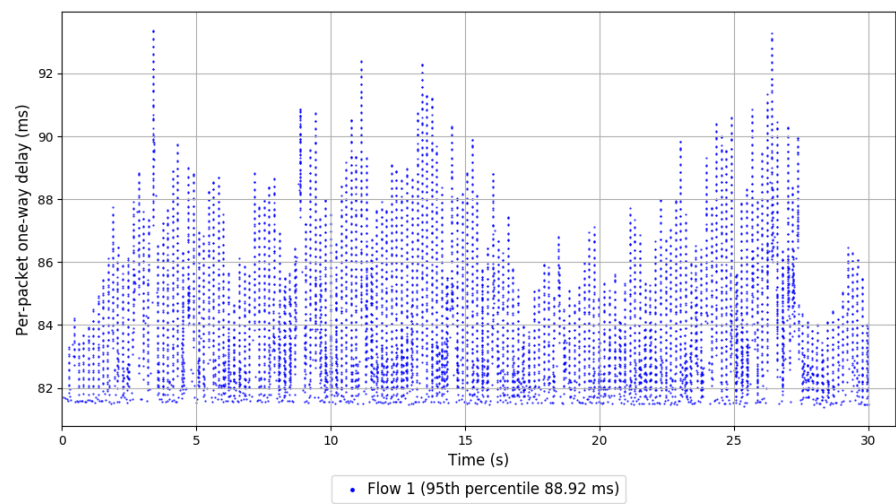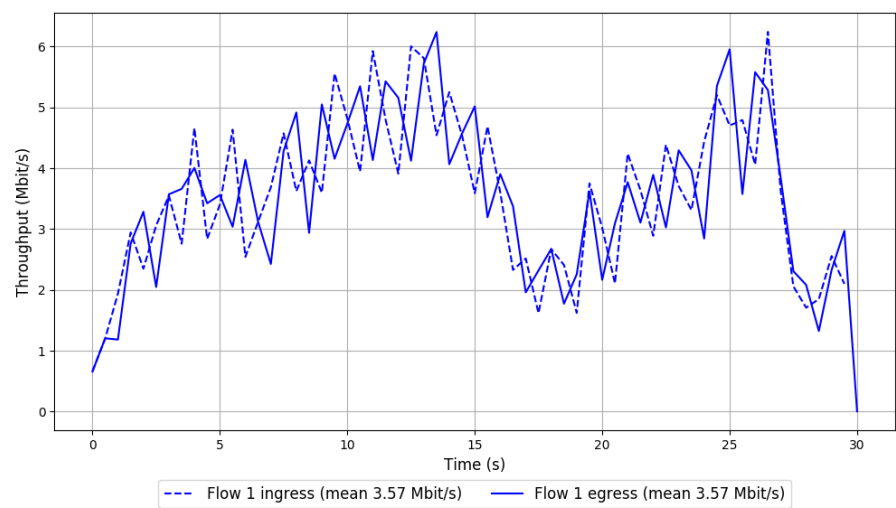## Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2018-02-16 02:27:43
End at: 2018-02-16 02:28:13
Local clock offset: -3.552 ms
Remote clock offset: 4.859 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 88.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 88.920 ms
Loss rate: 0.00%
```

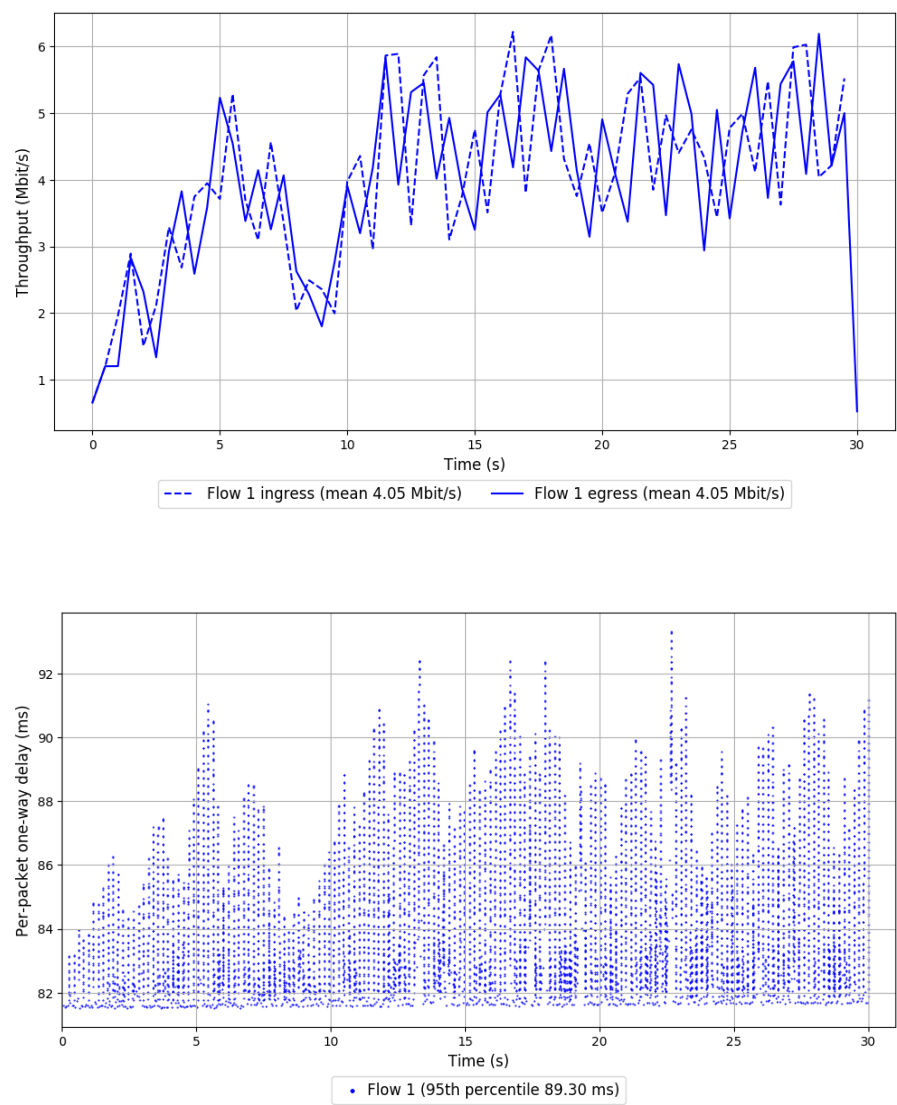Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: 2018-02-16 02:49:47
End at: 2018-02-16 02:50:17
Local clock offset: -4.16 ms
Remote clock offset: -3.209 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 89.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 89.300 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 4.05 Mbit/s) — — —   Flow 1 egress (mean 4.05 Mbit/s) ———

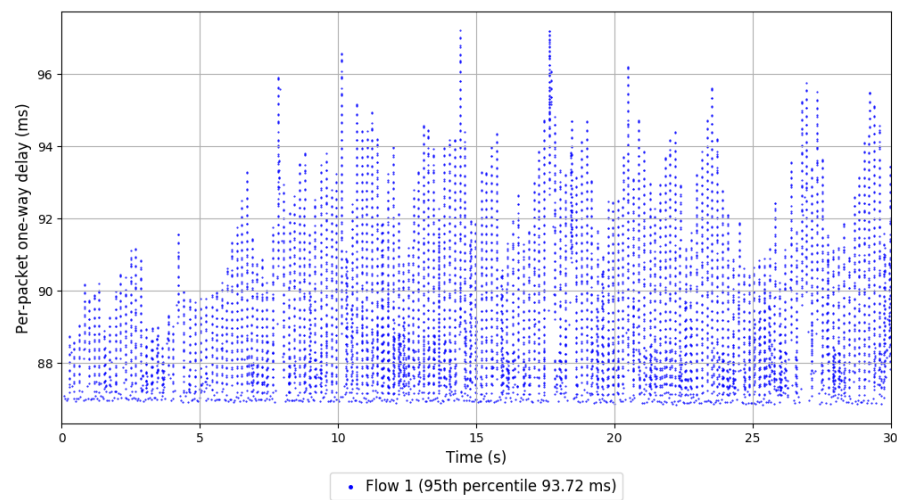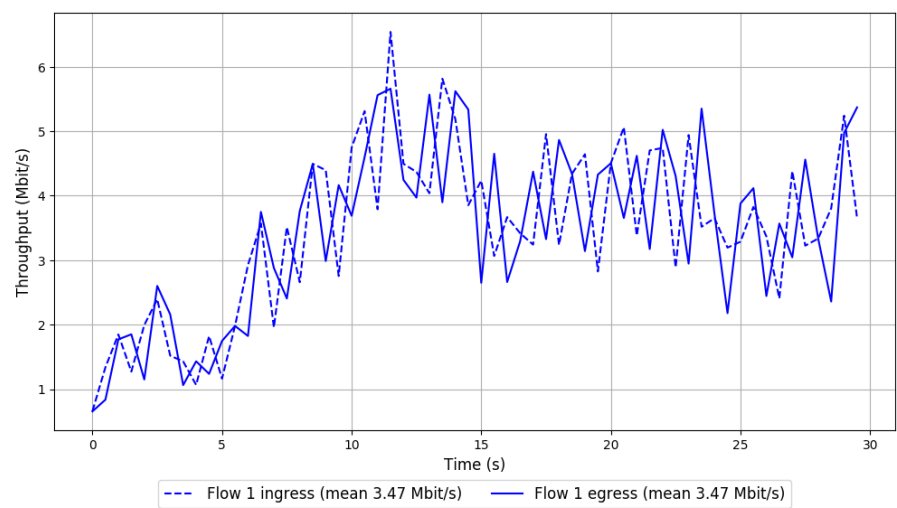• Flow 1 (95th percentile 89.30 ms)

```
Run 5: Statistics of Sprout

Start at: 2018-02-16 03:11:51
End at: 2018-02-16 03:12:21
Local clock offset: -4.975 ms
Remote clock offset: -1.122 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 93.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 93.722 ms
Loss rate: 0.00%
```
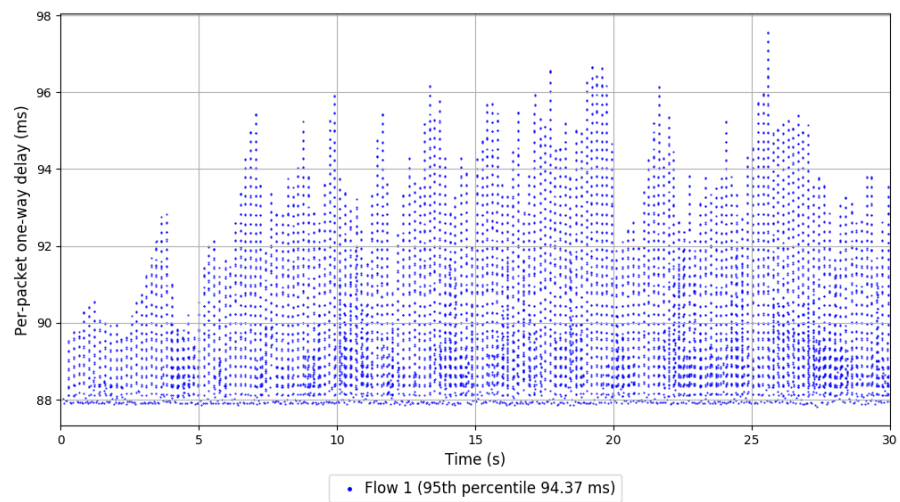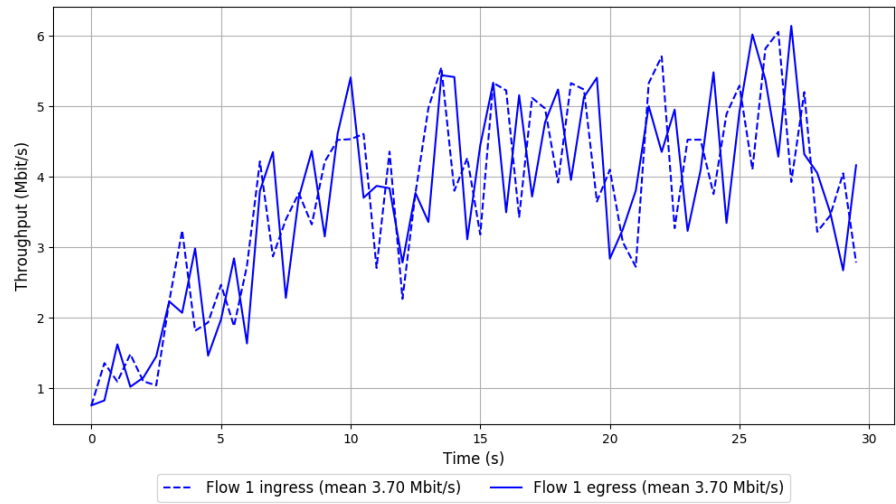
Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 3.47 Mbit/s) ----- Flow 1 egress (mean 3.47 Mbit/s) ——

• Flow 1 (95th percentile 93.72 ms)

```
Run 6: Statistics of Sprout

Start at: 2018-02-16 03:33:53
End at: 2018-02-16 03:34:23
Local clock offset: -4.717 ms
Remote clock offset: 1.429 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 94.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 94.369 ms
Loss rate: 0.00%
```
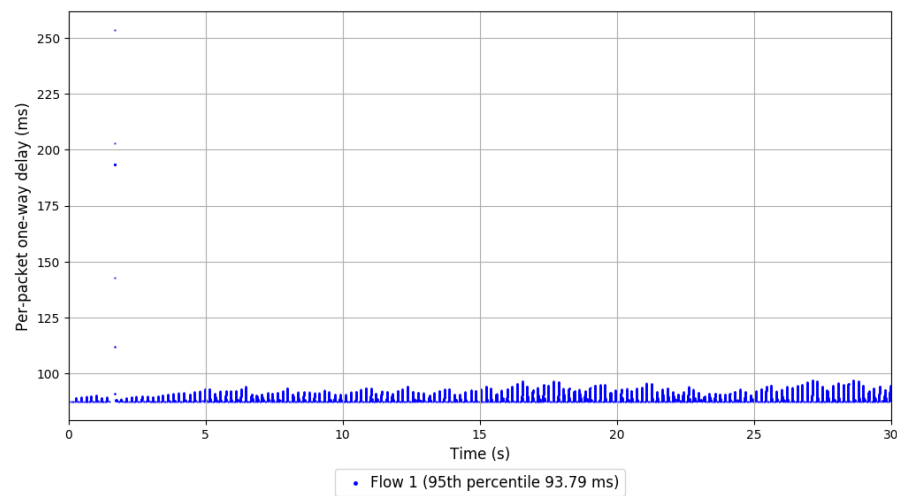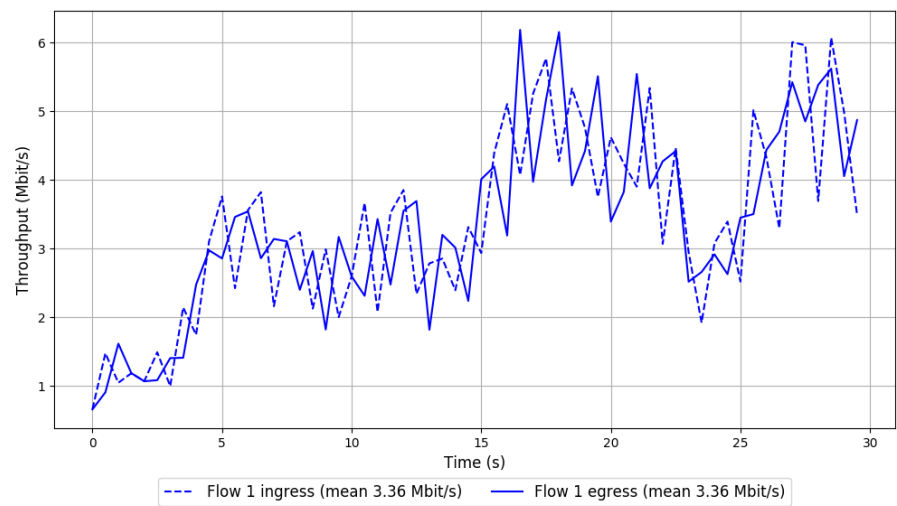
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 3.70 Mbit/s)   Flow 1 egress (mean 3.70 Mbit/s)

• Flow 1 (95th percentile 94.37 ms)

155

```
Run 7: Statistics of Sprout

Start at: 2018-02-16 03:55:57
End at: 2018-02-16 03:56:27
Local clock offset: -4.167 ms
Remote clock offset: 1.774 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 93.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 93.788 ms
Loss rate: 0.00%
```
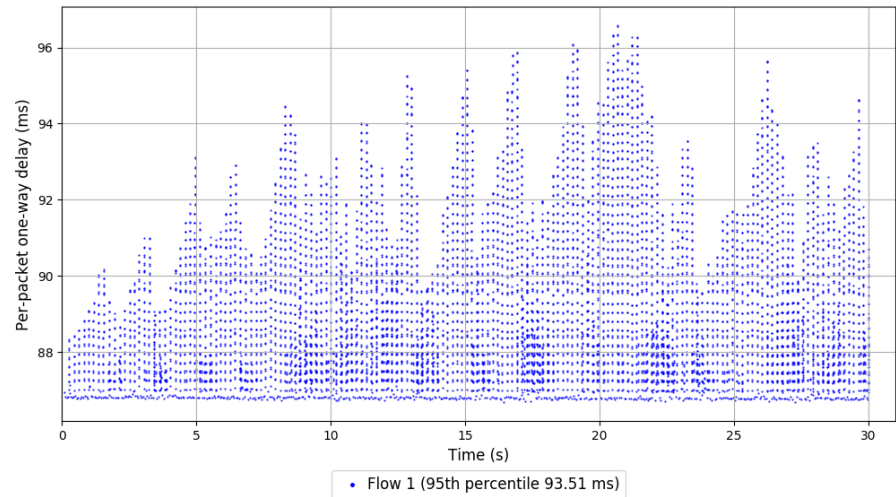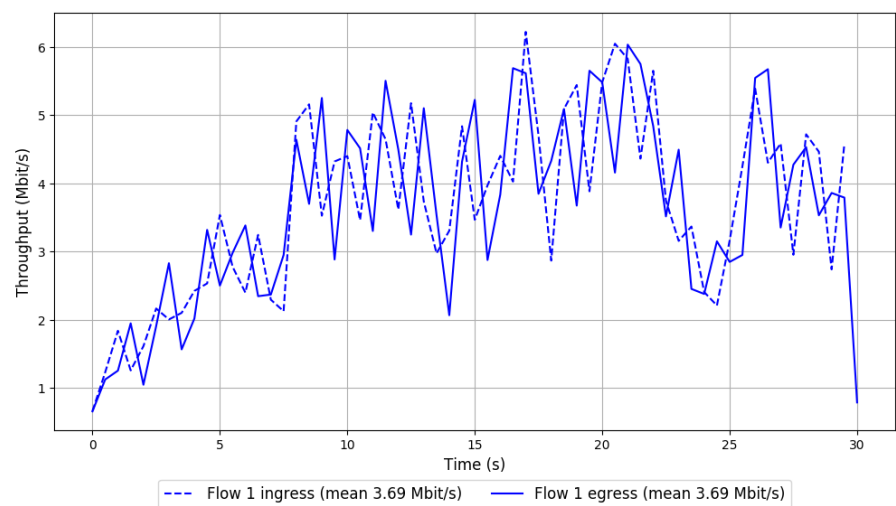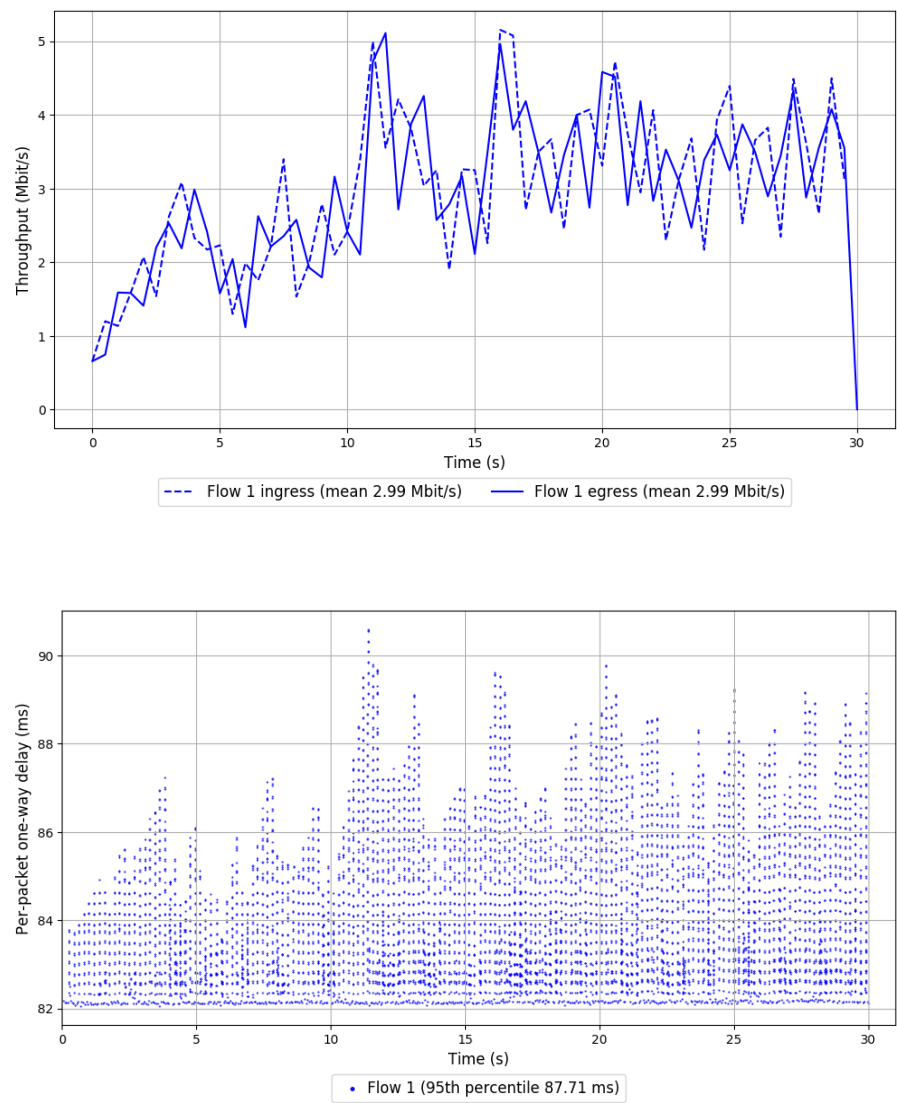
Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 3.36 Mbit/s) ----   Flow 1 egress (mean 3.36 Mbit/s) ——

• Flow 1 (95th percentile 93.79 ms)

```
Run 8: Statistics of Sprout

Start at: 2018-02-16 04:17:57
End at: 2018-02-16 04:18:27
Local clock offset: -5.312 ms
Remote clock offset: 0.676 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 93.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 93.508 ms
Loss rate: 0.00%
```
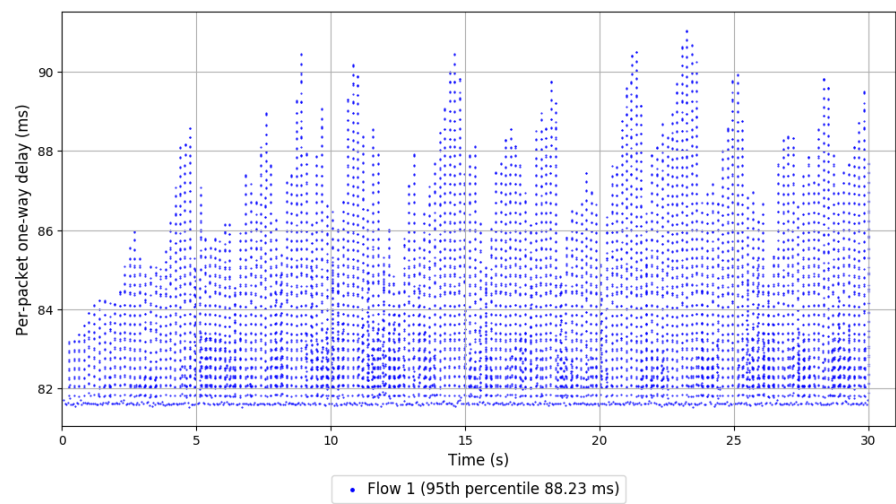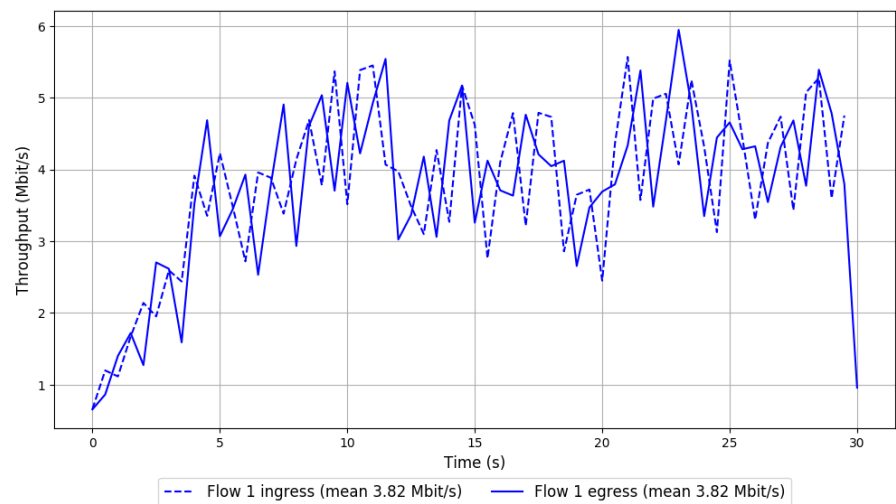
Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 3.69 Mbit/s) --- Flow 1 egress (mean 3.69 Mbit/s)

Flow 1 (95th percentile 93.51 ms)

```
Run 9: Statistics of Sprout

Start at: 2018-02-16 04:40:01
End at: 2018-02-16 04:40:31
Local clock offset: -5.039 ms
Remote clock offset: -3.853 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 87.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 87.709 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-02-16 05:02:06
End at: 2018-02-16 05:02:36
Local clock offset: -4.064 ms
Remote clock offset: -3.665 ms


# Below is generated by plot.py at 2018-02-16 05:50:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 88.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 88.235 ms
Loss rate: 0.00%
```
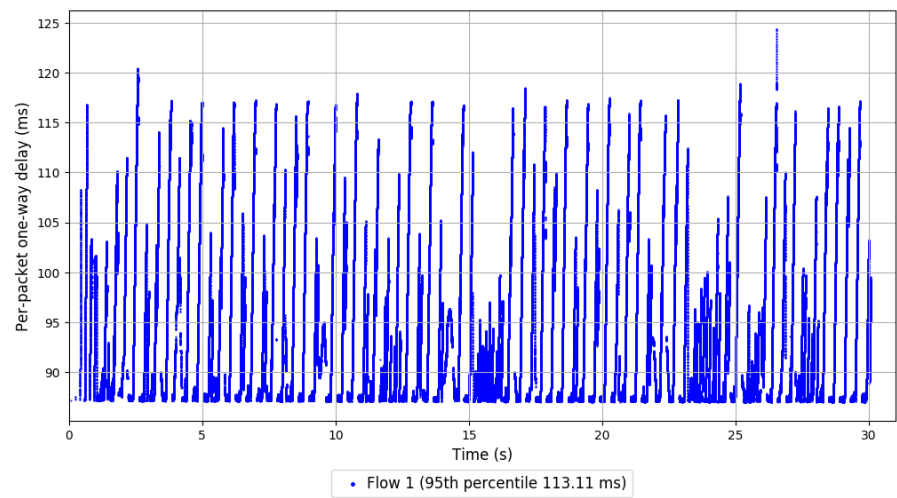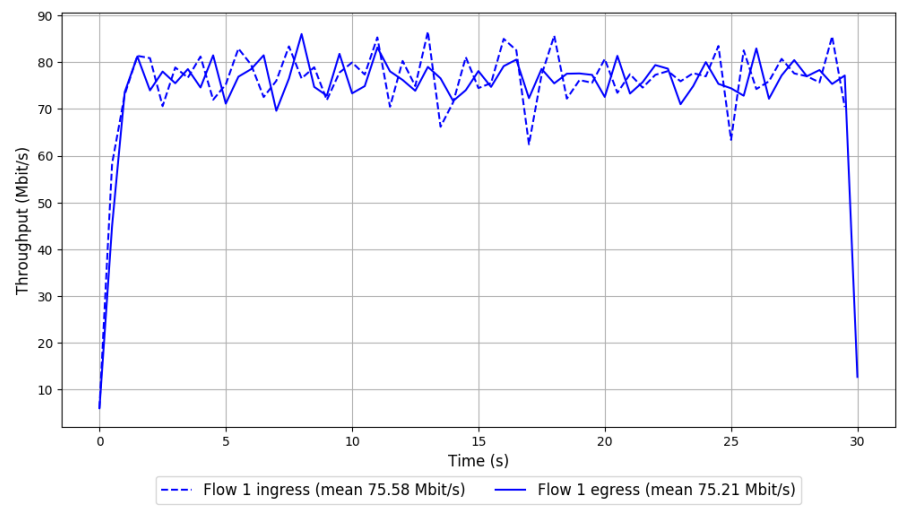
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 3.82 Mbit/s)　　Flow 1 egress (mean 3.82 Mbit/s)

Flow 1 (95th percentile 88.23 ms)

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

Start at: 2018-02-16 01:57:03
End at: 2018-02-16 01:57:33
Local clock offset: -0.53 ms
Remote clock offset: 7.672 ms


# Below is generated by plot.py at 2018-02-16 05:52:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 113.112 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 113.112 ms
Loss rate: 0.45%
```
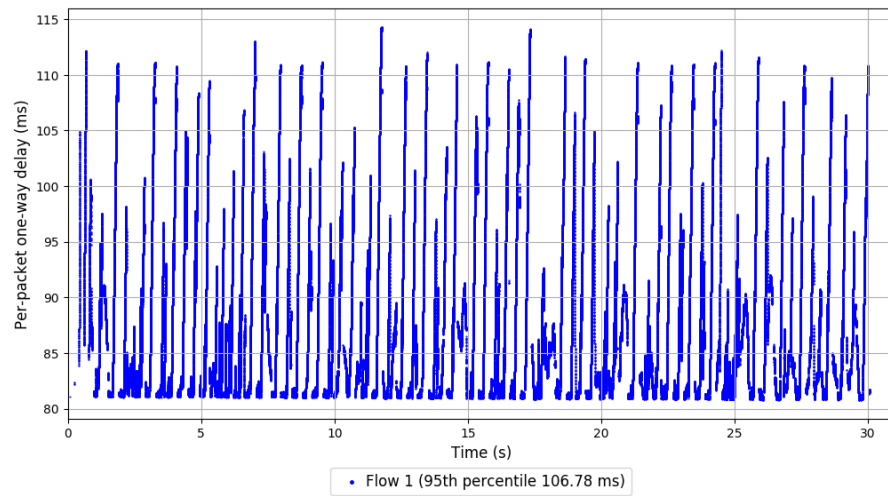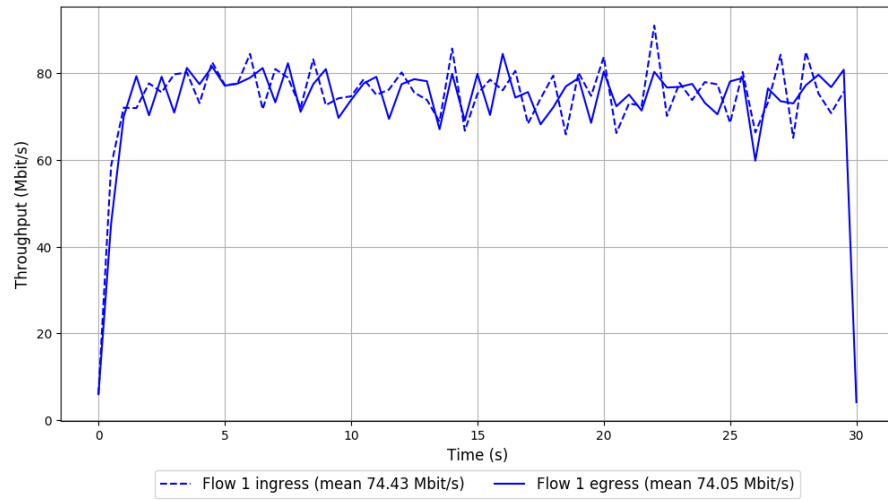
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 75.58 Mbit/s) ----- Flow 1 egress (mean 75.21 Mbit/s)

• Flow 1 (95th percentile 113.11 ms)

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

Start at: 2018-02-16 02:19:01
End at: 2018-02-16 02:19:31
Local clock offset: -0.524 ms
Remote clock offset: 3.547 ms


# Below is generated by plot.py at 2018-02-16 05:52:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 106.777 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 106.777 ms
Loss rate: 0.53%
```
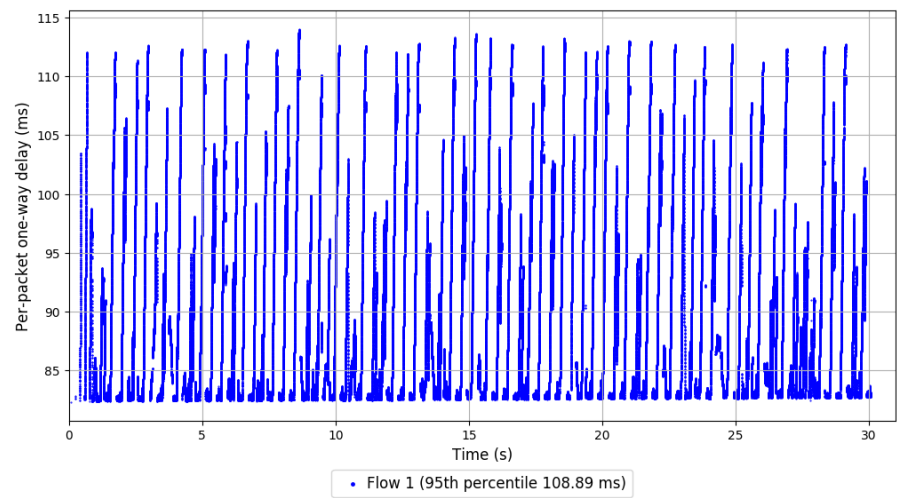
Run 2: Report of TaoVA-100x — Data Link

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

Start at: 2018-02-16 02:41:00
End at: 2018-02-16 02:41:30
Local clock offset: -4.365 ms
Remote clock offset: 0.516 ms


# Below is generated by plot.py at 2018-02-16 05:52:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.78 Mbit/s
95th percentile per-packet one-way delay: 108.895 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 74.78 Mbit/s
95th percentile per-packet one-way delay: 108.895 ms
Loss rate: 0.52%
```
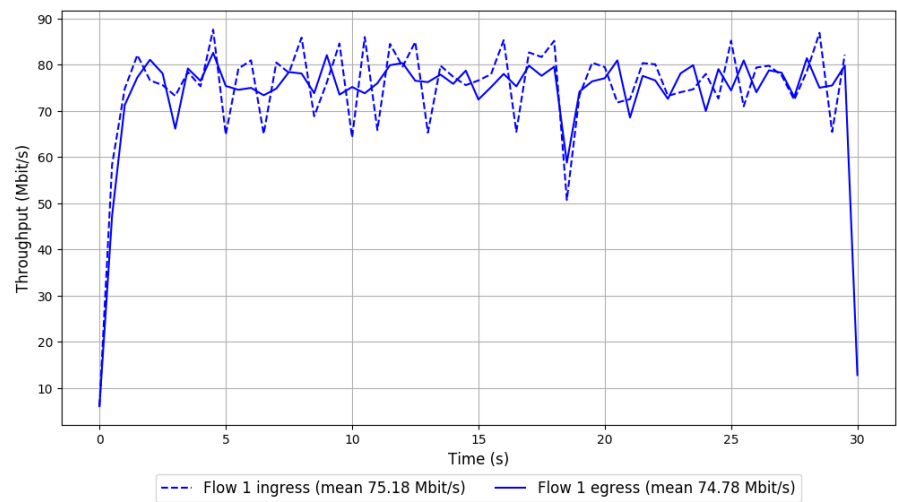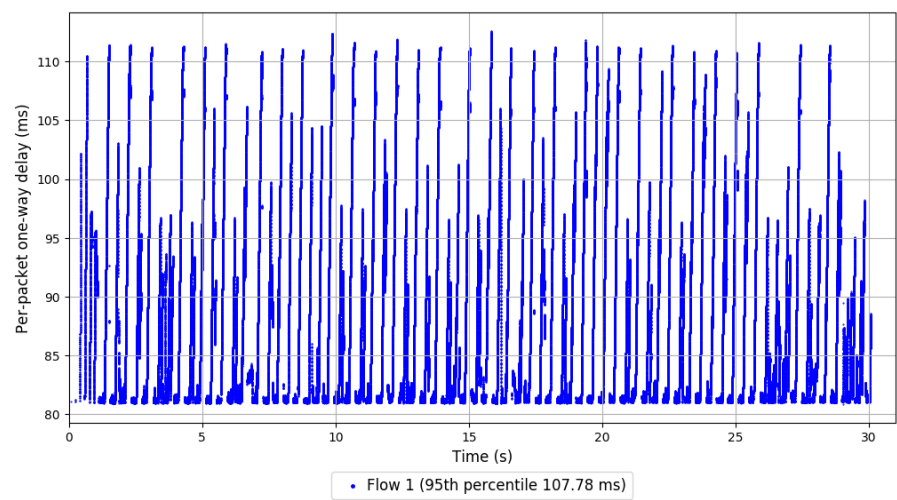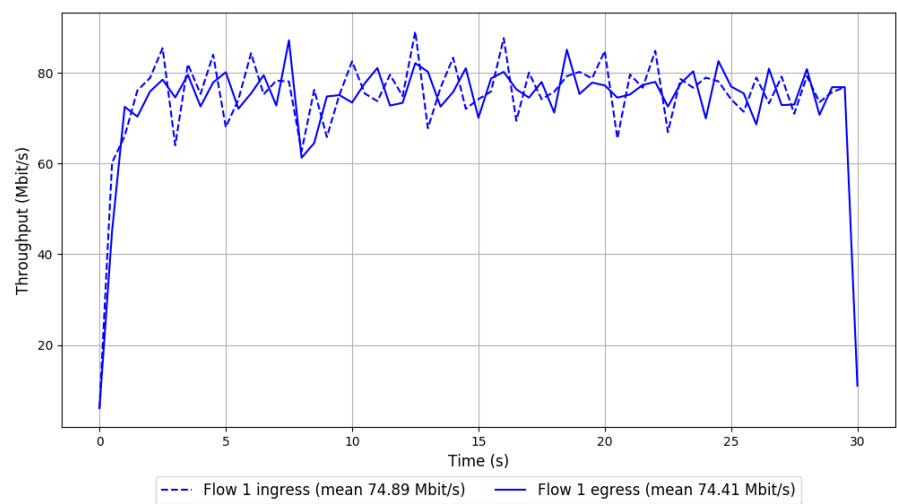
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 75.18 Mbit/s)   Flow 1 egress (mean 74.78 Mbit/s)

Flow 1 (95th percentile 108.89 ms)

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

Start at: 2018-02-16 03:03:08
End at: 2018-02-16 03:03:38
Local clock offset: -4.944 ms
Remote clock offset: -6.731 ms


# Below is generated by plot.py at 2018-02-16 05:52:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 107.777 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 107.777 ms
Loss rate: 0.62%
```
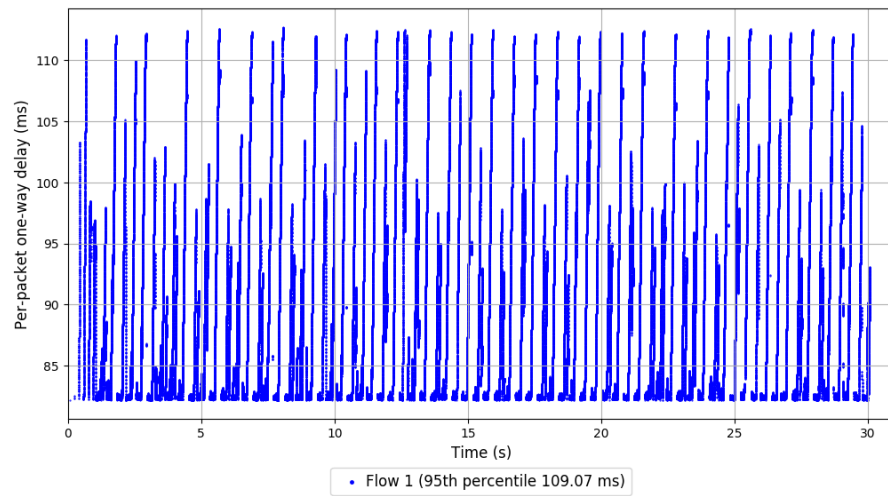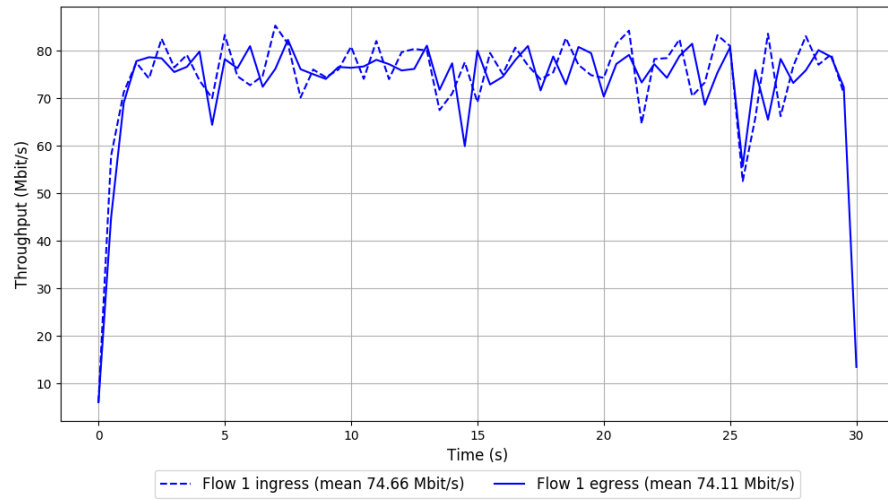
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 74.89 Mbit/s) ----- Flow 1 egress (mean 74.41 Mbit/s)

• Flow 1 (95th percentile 107.78 ms)

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

Start at: 2018-02-16 03:25:12
End at: 2018-02-16 03:25:42
Local clock offset: -4.689 ms
Remote clock offset: -4.264 ms


# Below is generated by plot.py at 2018-02-16 05:52:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 109.066 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 109.066 ms
Loss rate: 0.70%
```
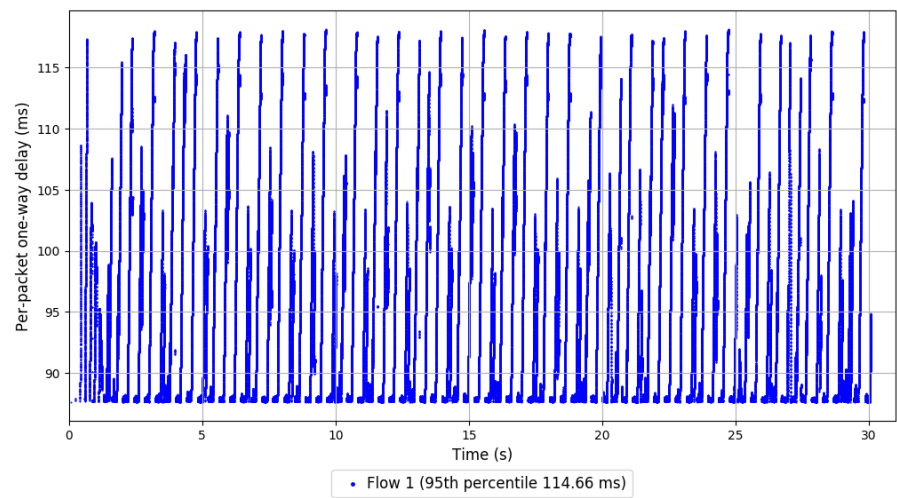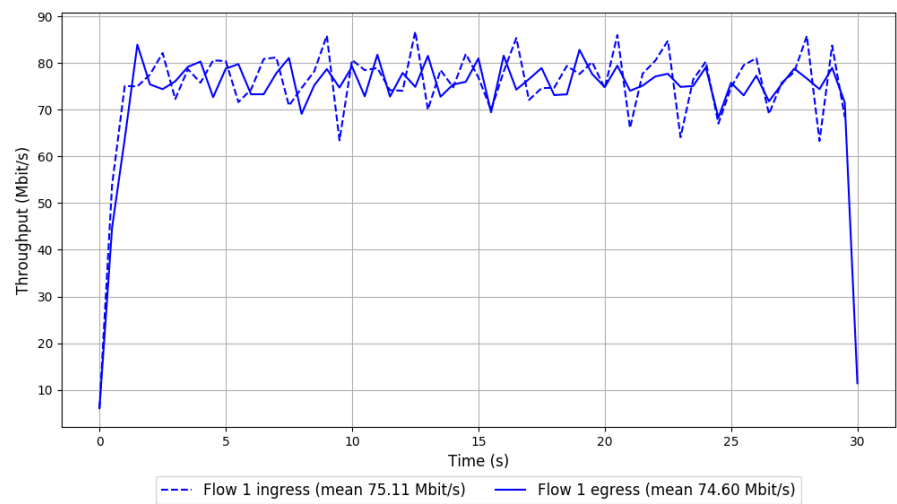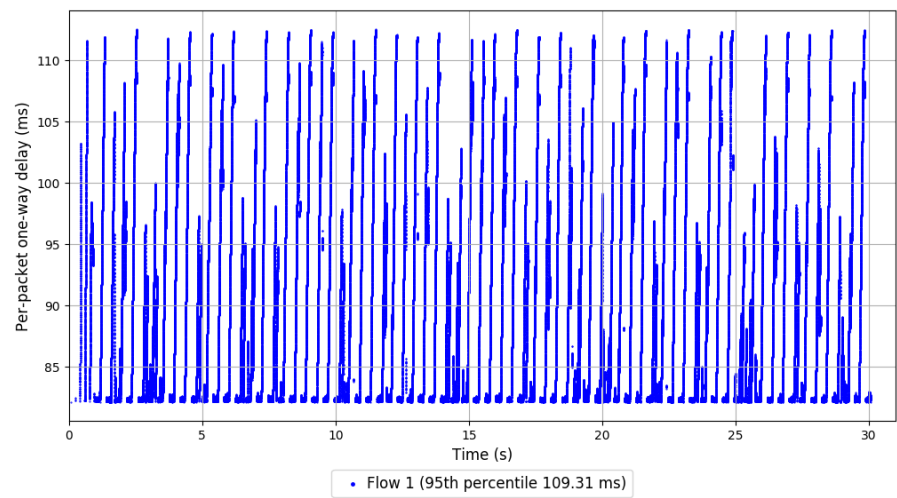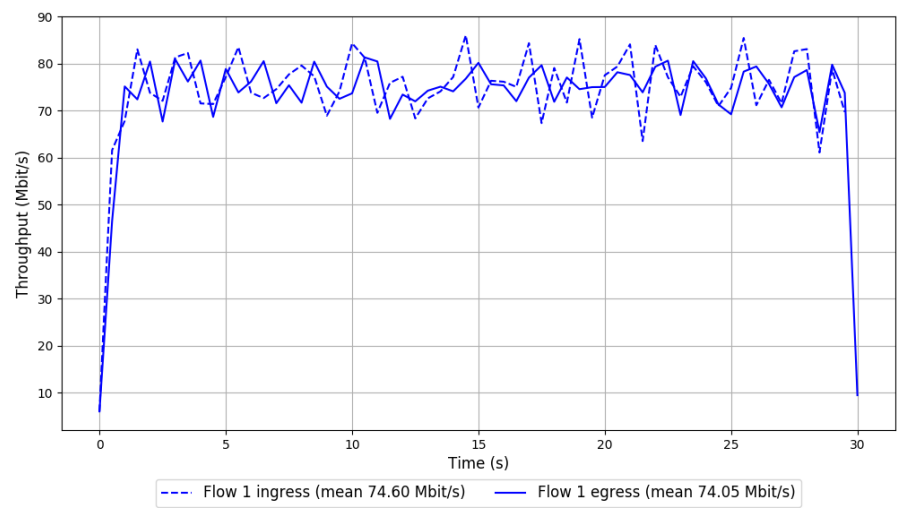
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 74.66 Mbit/s) ----- Flow 1 egress (mean 74.11 Mbit/s)

Flow 1 (95th percentile 109.07 ms)

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

Start at: 2018-02-16 03:47:12
End at: 2018-02-16 03:47:42
Local clock offset: -4.384 ms
Remote clock offset: 1.442 ms


# Below is generated by plot.py at 2018-02-16 05:52:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 114.662 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 114.662 ms
Loss rate: 0.66%
```
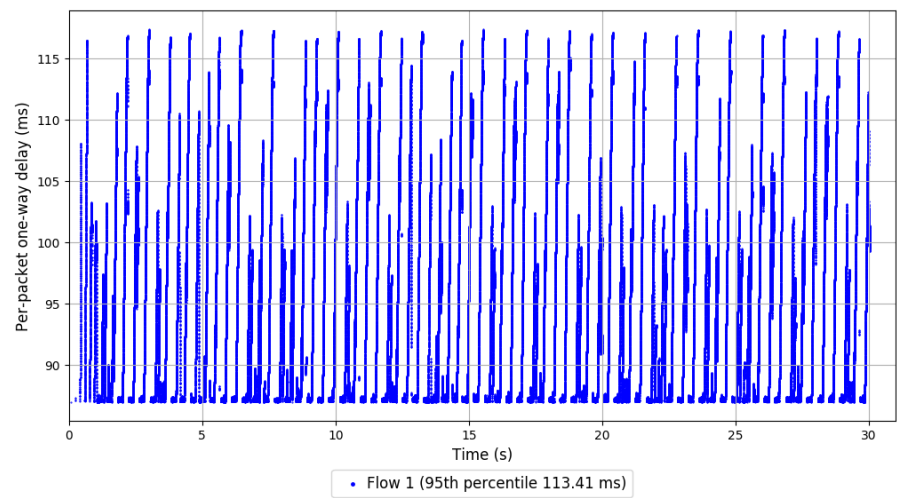
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 75.11 Mbit/s) ----- Flow 1 egress (mean 74.60 Mbit/s)

• Flow 1 (95th percentile 114.66 ms)

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

Start at: 2018-02-16 04:09:16
End at: 2018-02-16 04:09:46
Local clock offset: -4.959 ms
Remote clock offset: -4.019 ms


# Below is generated by plot.py at 2018-02-16 05:52:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 109.311 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 109.311 ms
Loss rate: 0.73%
```
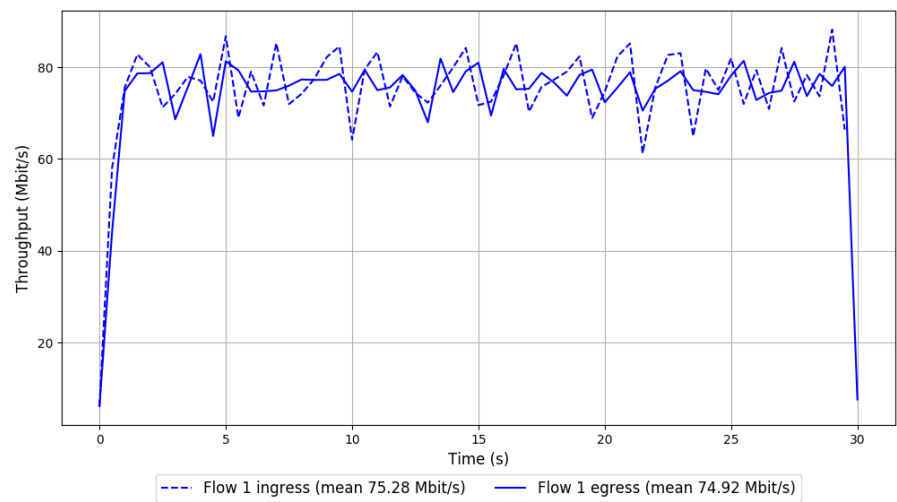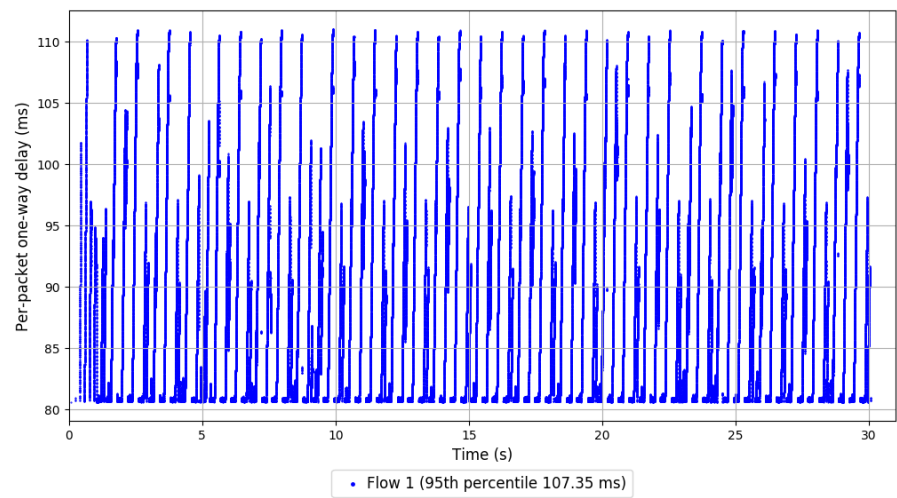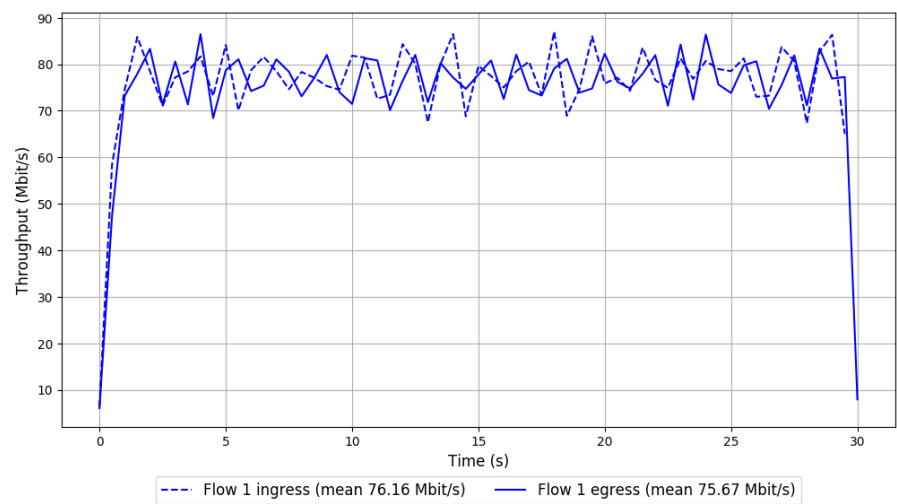
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 74.60 Mbit/s)   Flow 1 egress (mean 74.05 Mbit/s)

• Flow 1 (95th percentile 109.31 ms)

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

Start at: 2018-02-16 04:31:18
End at: 2018-02-16 04:31:48
Local clock offset: -5.501 ms
Remote clock offset: 0.985 ms


# Below is generated by plot.py at 2018-02-16 05:52:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 113.409 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 113.409 ms
Loss rate: 0.60%
```
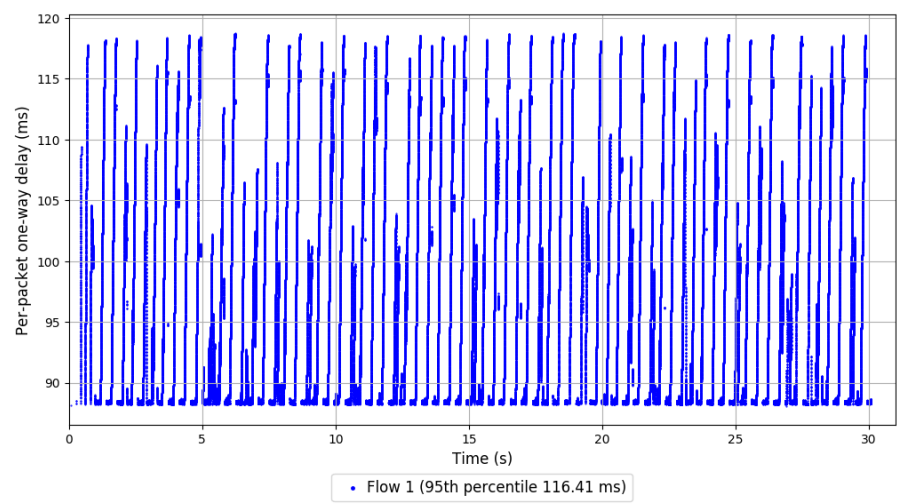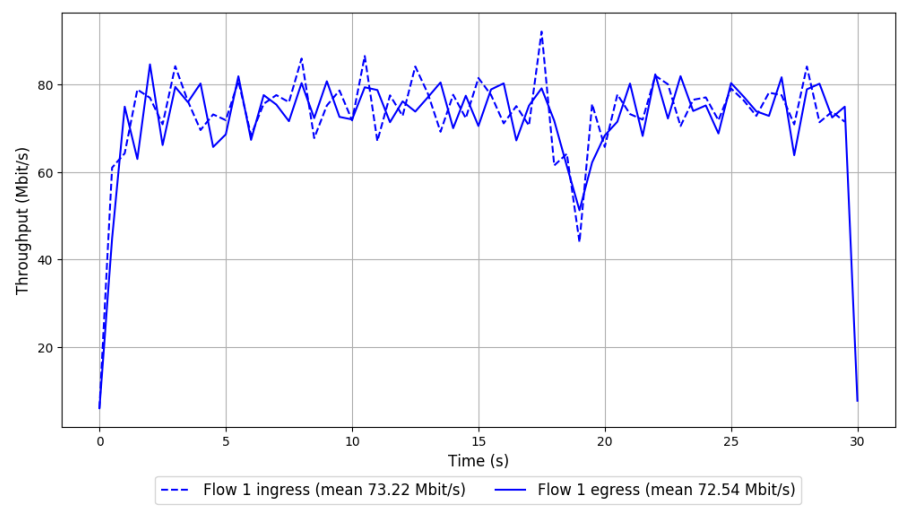
Run 8: Report of TaoVA-100x — Data Link

179

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

Start at: 2018-02-16 04:53:24
End at: 2018-02-16 04:53:54
Local clock offset: -4.254 ms
Remote clock offset: -4.721 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 107.354 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 107.354 ms
Loss rate: 0.64%
```
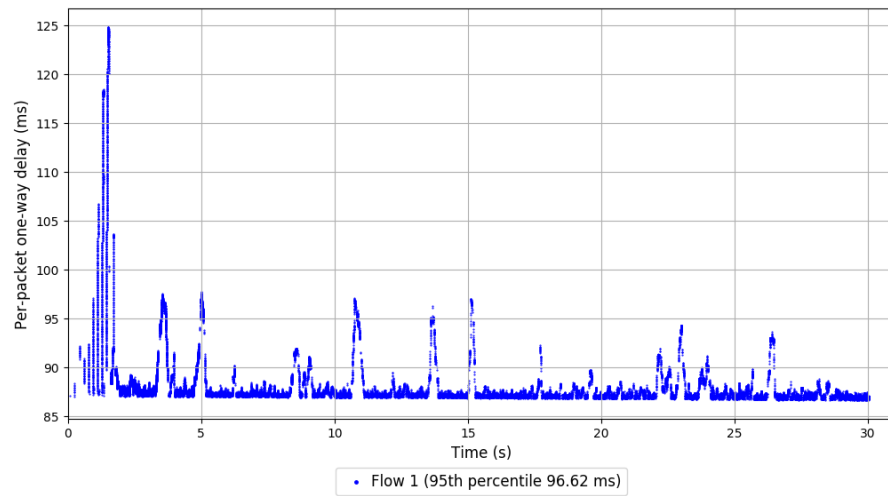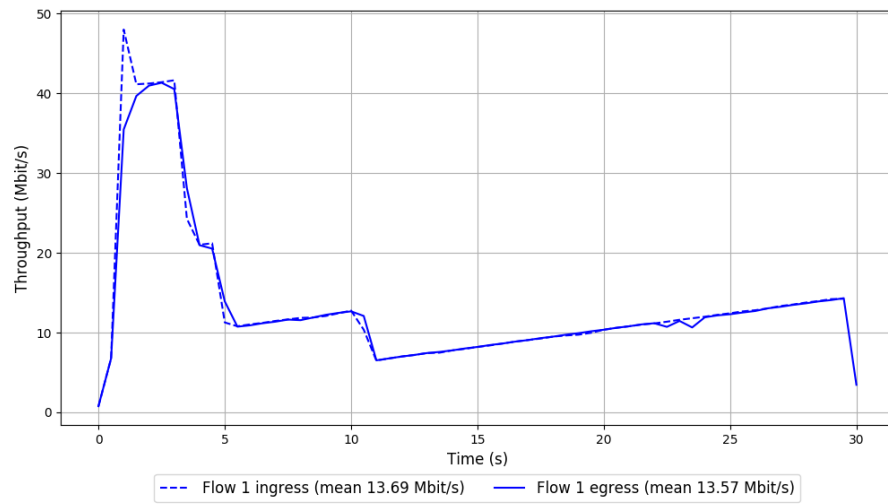
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 76.16 Mbit/s)   Flow 1 egress (mean 75.67 Mbit/s)

Flow 1 (95th percentile 107.35 ms)

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

Start at: 2018-02-16 05:15:45
End at: 2018-02-16 05:16:15
Local clock offset: -4.036 ms
Remote clock offset: 2.119 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.54 Mbit/s
95th percentile per-packet one-way delay: 116.413 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 72.54 Mbit/s
95th percentile per-packet one-way delay: 116.413 ms
Loss rate: 0.93%
```
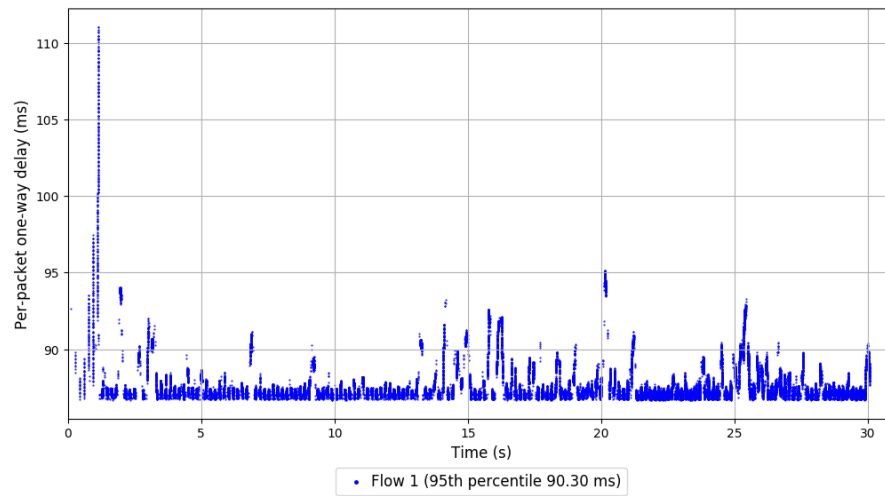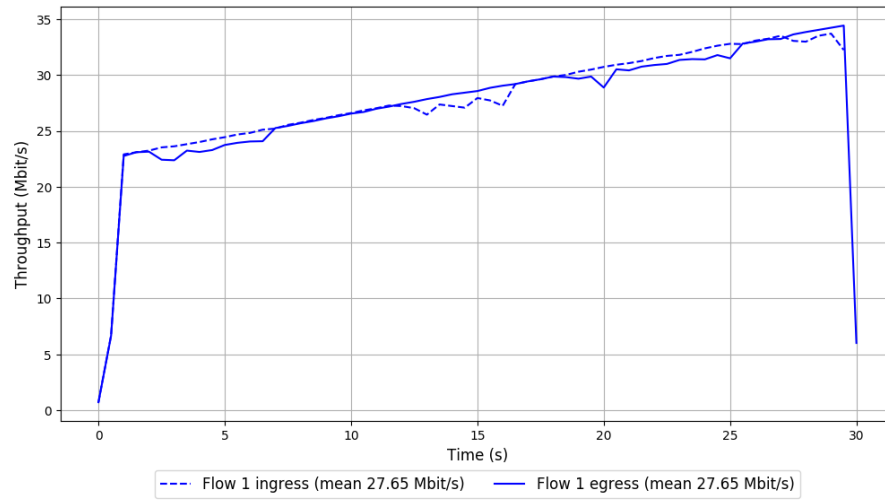
Run 10: Report of TaoVA-100x — Data Link

```
Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 01:47:25
End at: 2018-02-16 01:47:55
Local clock offset: 4.399 ms
Remote clock offset: 7.614 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 96.623 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 96.623 ms
Loss rate: 0.86%
```
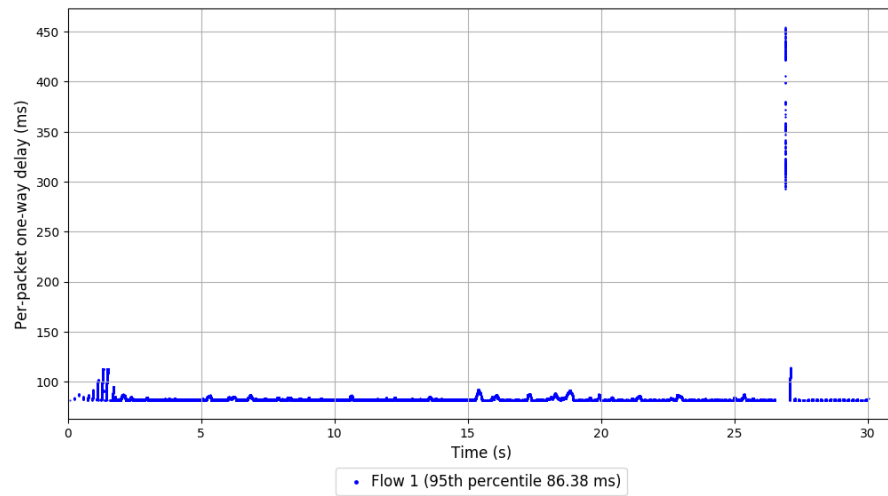
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 02:09:21
End at: 2018-02-16 02:09:51
Local clock offset: -1.102 ms
Remote clock offset: 7.75 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 90.298 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 90.298 ms
Loss rate: 0.02%
```
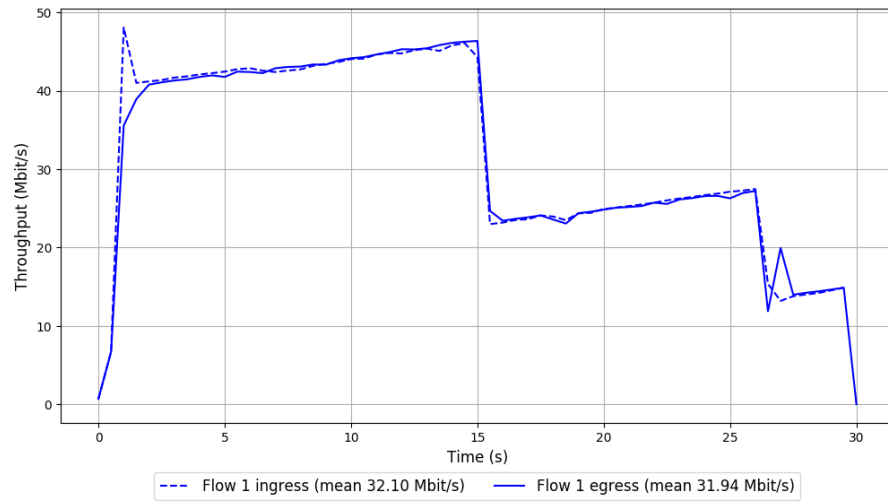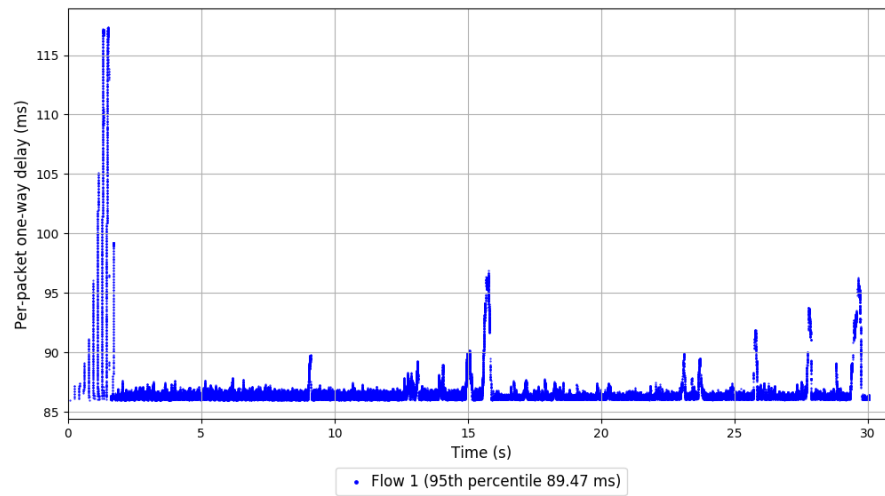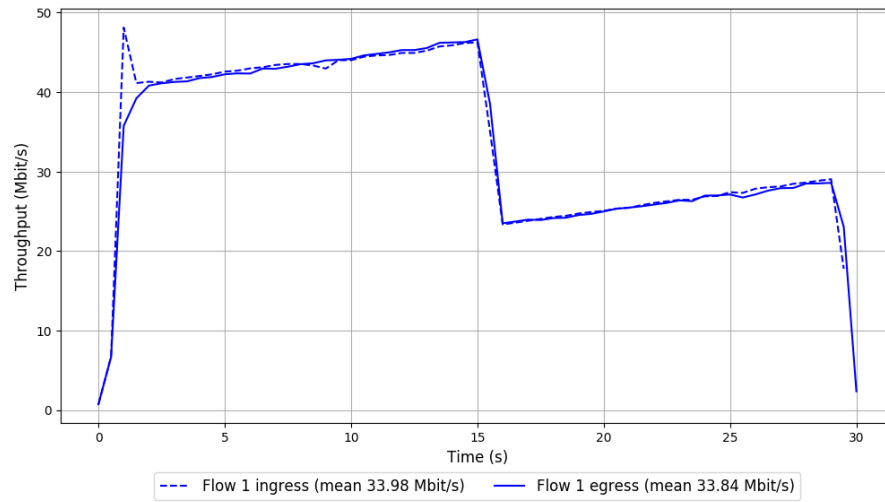
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 02:31:20
End at: 2018-02-16 02:31:50
Local clock offset: -4.045 ms
Remote clock offset: 4.308 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 86.383 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 86.383 ms
Loss rate: 0.50%
```
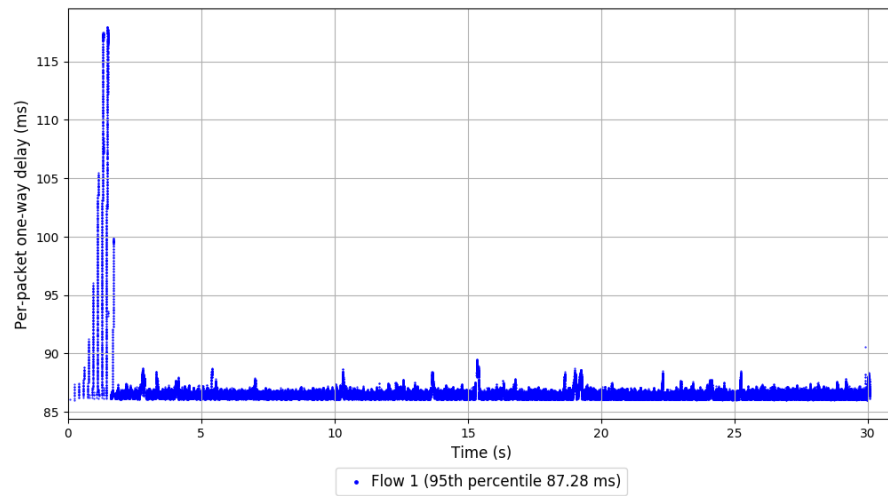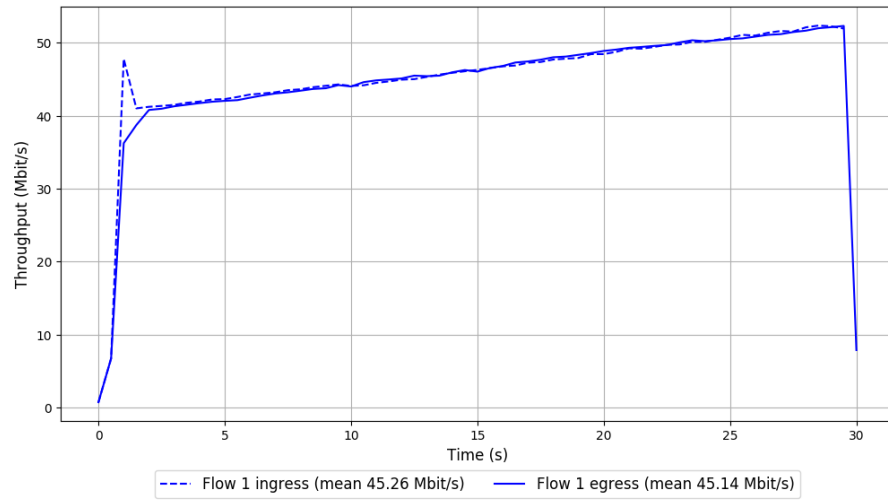
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 02:53:24
End at: 2018-02-16 02:53:54
Local clock offset: -4.066 ms
Remote clock offset: -0.192 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 89.474 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 89.474 ms
Loss rate: 0.39%
```

Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 33.98 Mbit/s) --- Flow 1 egress (mean 33.84 Mbit/s)
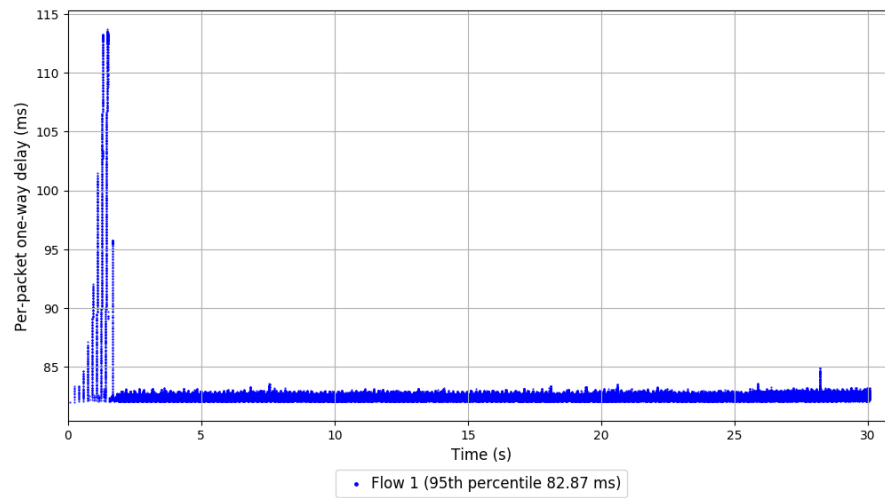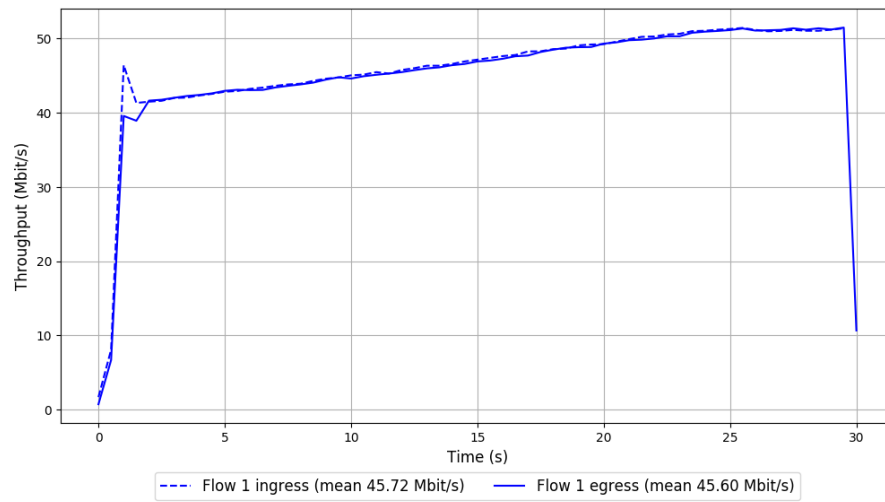

Flow 1 (95th percentile 89.47 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 03:15:29
End at: 2018-02-16 03:15:59
Local clock offset: -4.935 ms
Remote clock offset: -1.185 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 87.279 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 87.279 ms
Loss rate: 0.27%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 45.26 Mbit/s)   Flow 1 egress (mean 45.14 Mbit/s)

Flow 1 (95th percentile 87.28 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 03:37:30
End at: 2018-02-16 03:38:00
Local clock offset: -4.656 ms
Remote clock offset: -4.267 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 82.872 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 82.872 ms
Loss rate: 0.27%
```
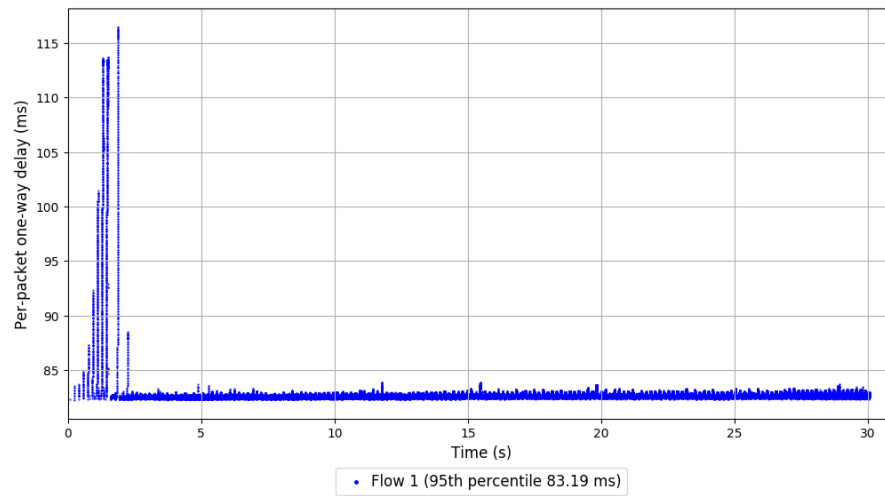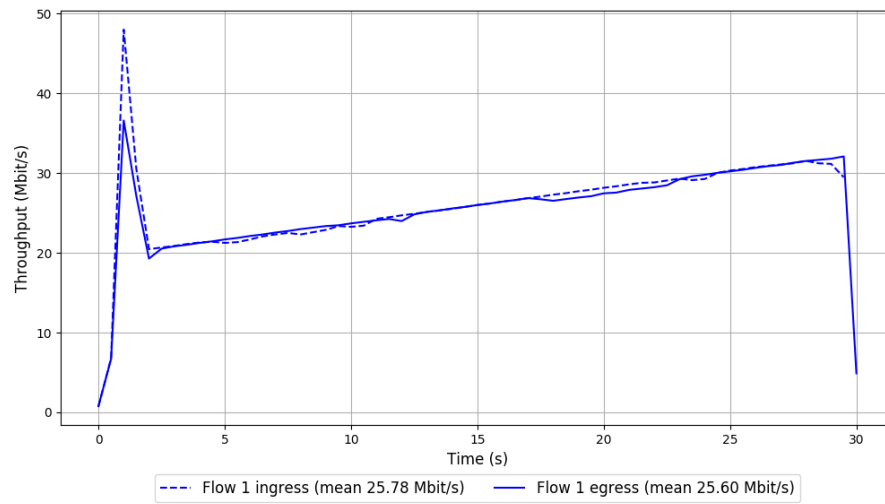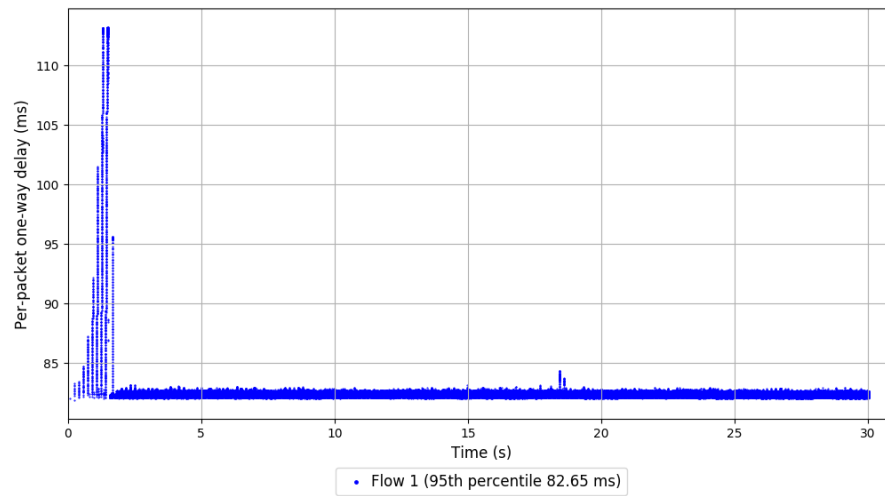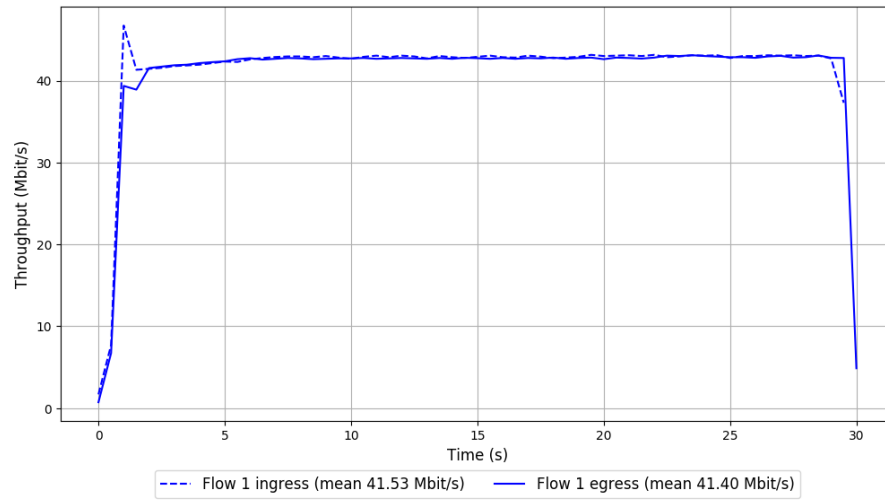
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 03:59:34
End at: 2018-02-16 04:00:04
Local clock offset: -4.085 ms
Remote clock offset: -3.94 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 83.195 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 83.195 ms
Loss rate: 0.71%
```

Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 04:21:35
End at: 2018-02-16 04:22:05
Local clock offset: -5.402 ms
Remote clock offset: -4.055 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 82.652 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 82.652 ms
Loss rate: 0.30%
```
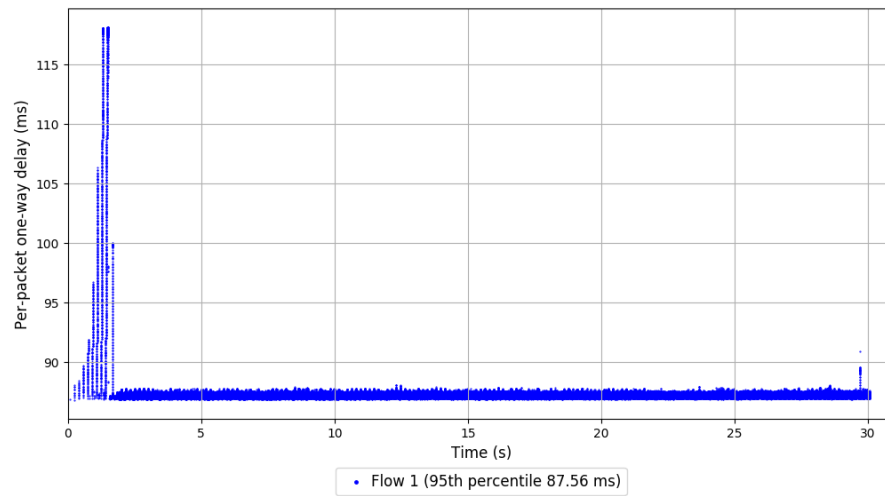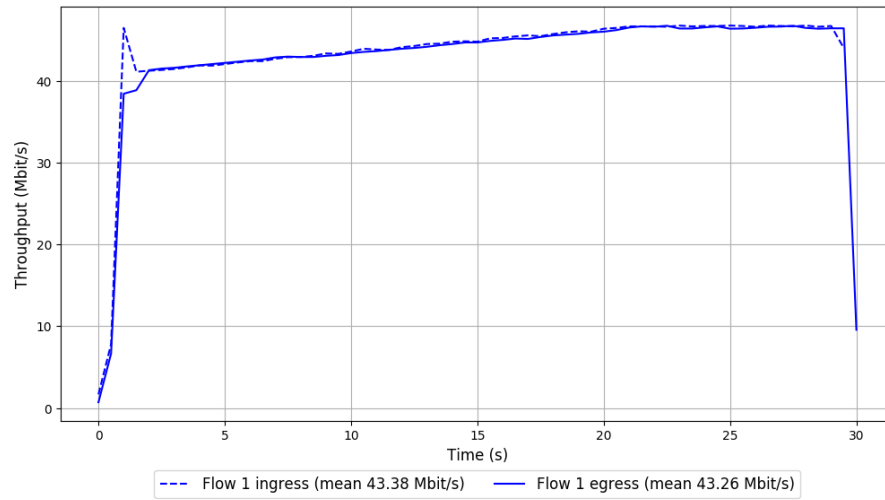
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.53 Mbit/s) — Flow 1 egress (mean 41.40 Mbit/s)

Flow 1 (95th percentile 82.65 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 04:43:39
End at: 2018-02-16 04:44:09
Local clock offset: -4.689 ms
Remote clock offset: 0.916 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 87.557 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 87.557 ms
Loss rate: 0.28%
```
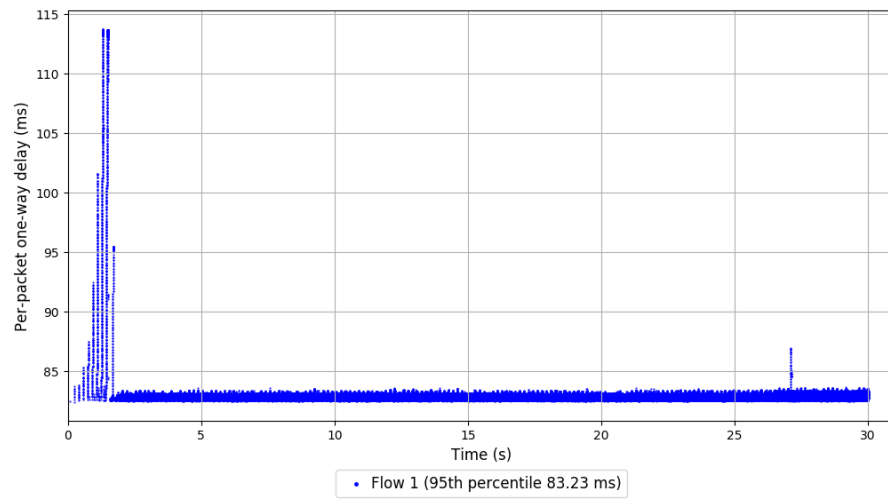
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 05:05:43
End at: 2018-02-16 05:06:13
Local clock offset: -4.077 ms
Remote clock offset: -3.5 ms


# Below is generated by plot.py at 2018-02-16 05:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.08 Mbit/s
95th percentile per-packet one-way delay: 83.231 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 45.08 Mbit/s
95th percentile per-packet one-way delay: 83.231 ms
Loss rate: 0.26%
```
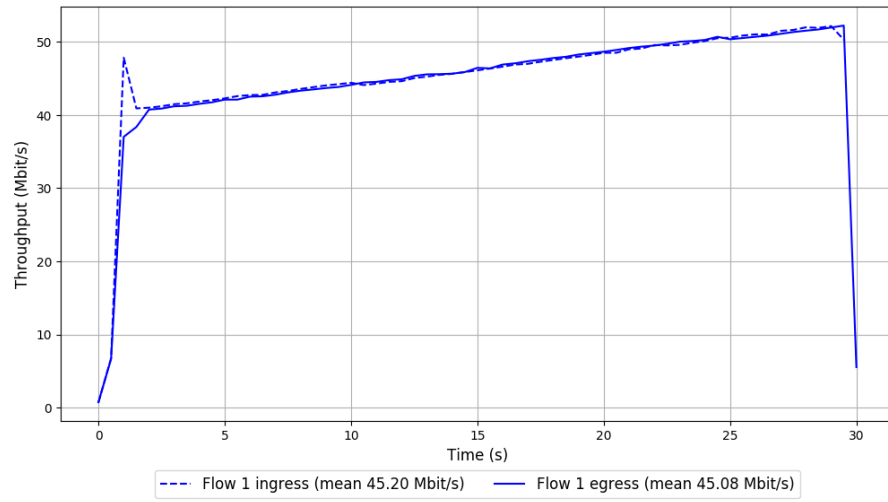
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2018-02-16 01:41:23
End at: 2018-02-16 01:41:53
Local clock offset: 6.15 ms
Remote clock offset: 1.187 ms


# Below is generated by plot.py at 2018-02-16 05:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 197.265 ms
Loss rate: 84.72%
-- Flow 1:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 197.265 ms
Loss rate: 84.72%
```
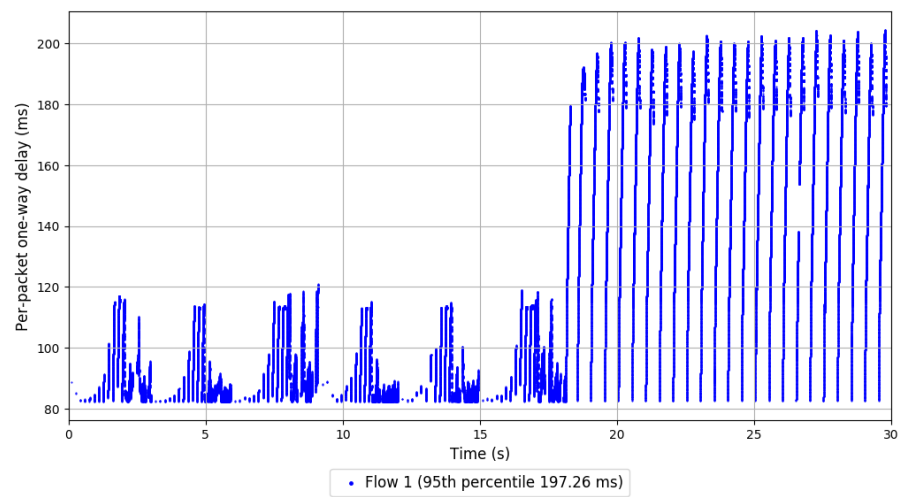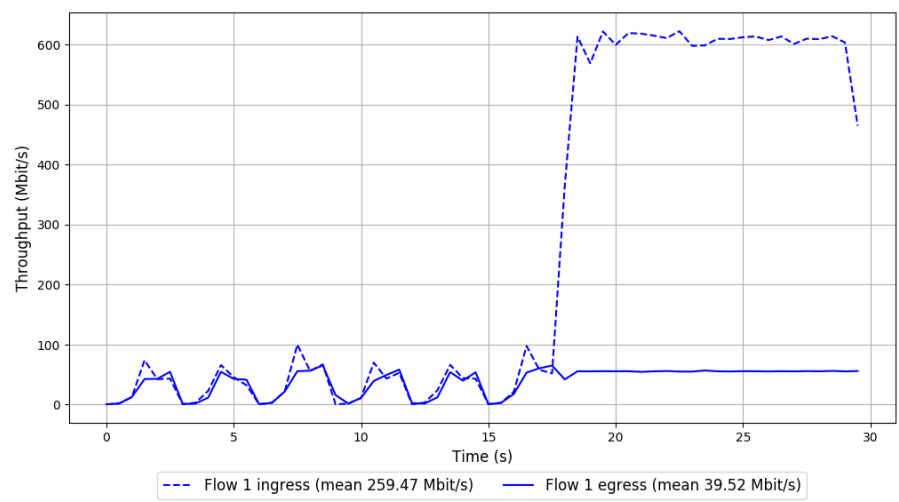
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-02-16 02:03:17
End at: 2018-02-16 02:03:47
Local clock offset: -1.241 ms
Remote clock offset: 7.307 ms


# Below is generated by plot.py at 2018-02-16 05:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 119.977 ms
Loss rate: 31.00%
-- Flow 1:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 119.977 ms
Loss rate: 31.00%
```
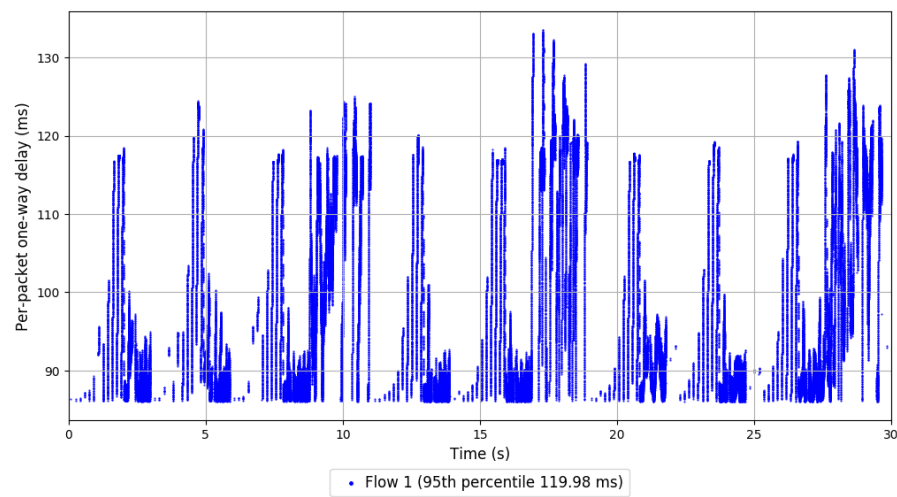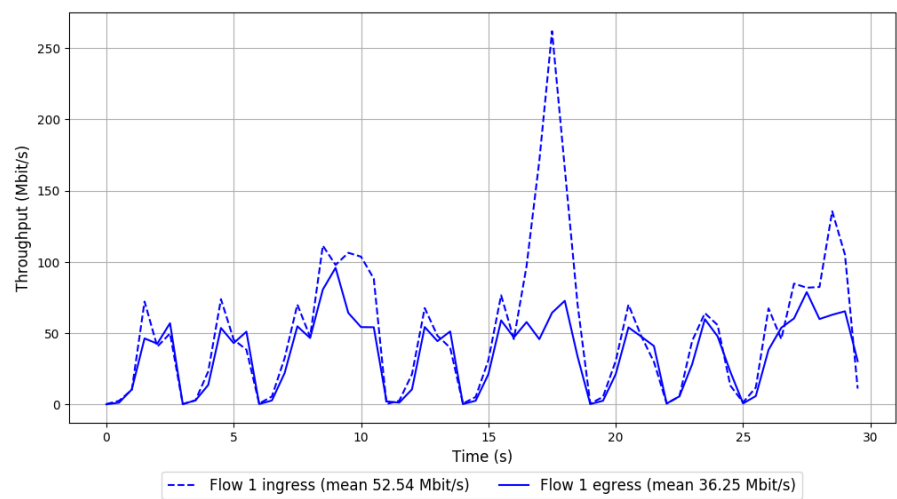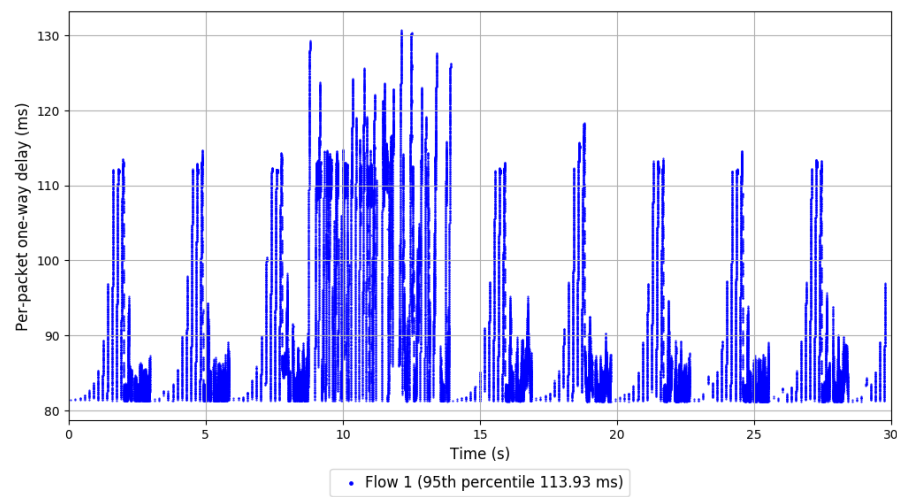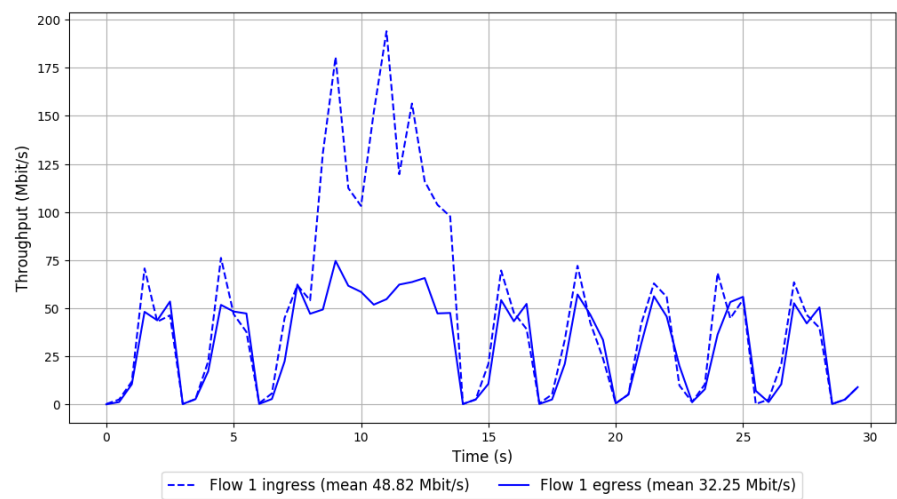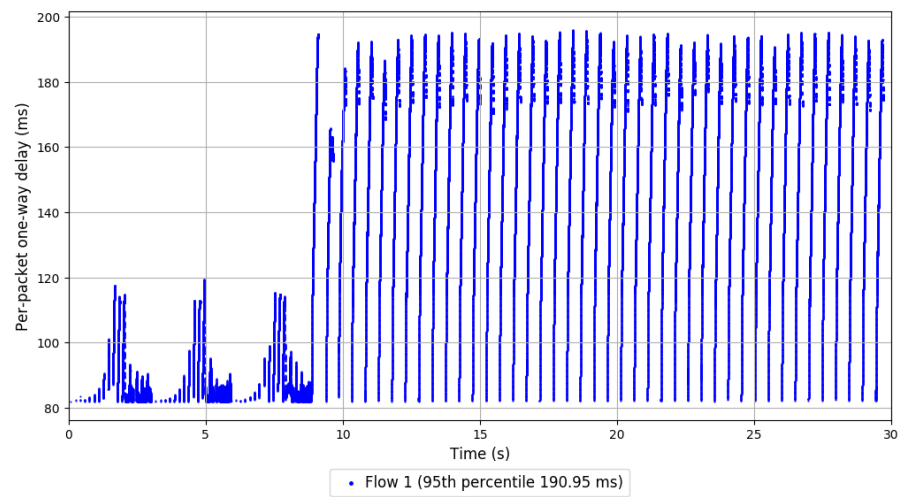
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-02-16 02:25:17
End at: 2018-02-16 02:25:47
Local clock offset: -3.032 ms
Remote clock offset: 4.741 ms


# Below is generated by plot.py at 2018-02-16 05:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 113.928 ms
Loss rate: 33.89%
-- Flow 1:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 113.928 ms
Loss rate: 33.89%
```
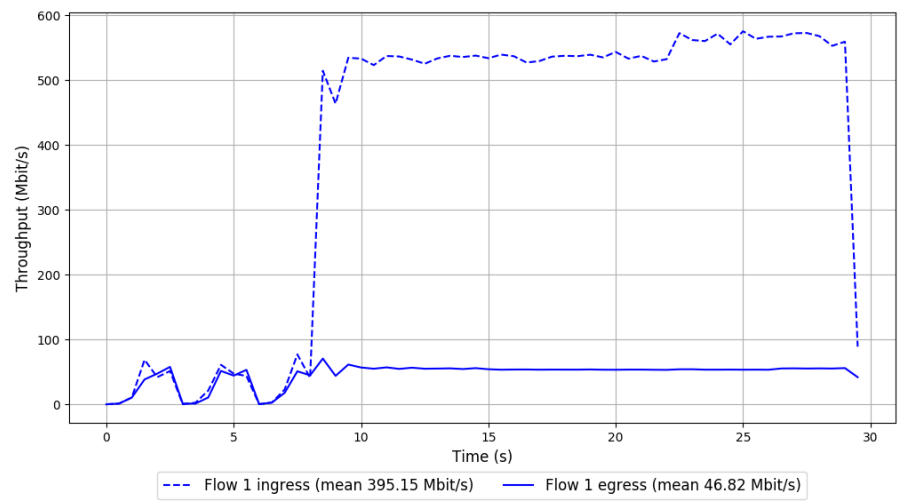
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-02-16 02:47:15
End at: 2018-02-16 02:47:45
Local clock offset: -4.25 ms
Remote clock offset: -3.276 ms


# Below is generated by plot.py at 2018-02-16 05:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 190.950 ms
Loss rate: 88.12%
-- Flow 1:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 190.950 ms
Loss rate: 88.12%
```
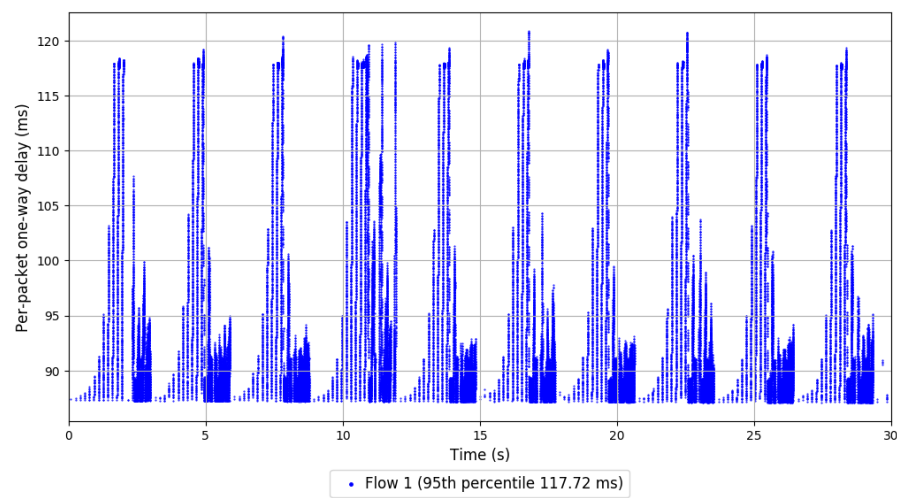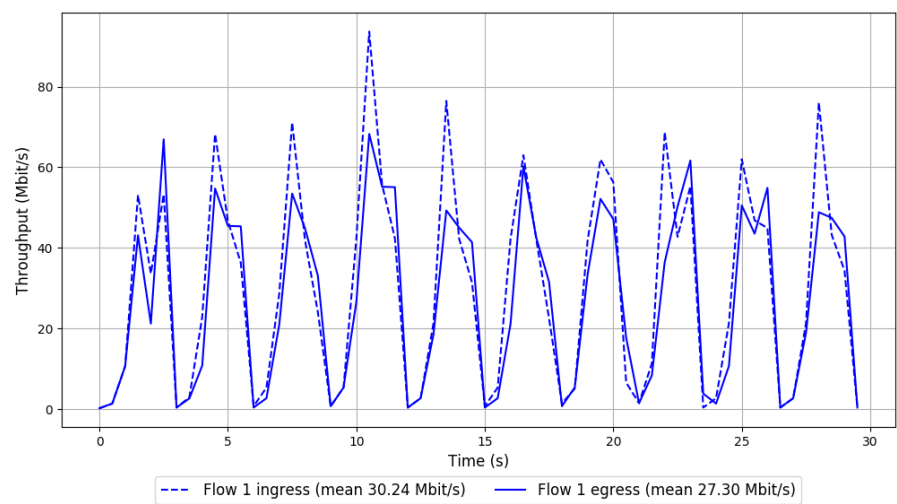
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-02-16 03:09:25
End at: 2018-02-16 03:09:55
Local clock offset: -5.021 ms
Remote clock offset: -1.782 ms


# Below is generated by plot.py at 2018-02-16 05:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.30 Mbit/s
95th percentile per-packet one-way delay: 117.717 ms
Loss rate: 9.72%
-- Flow 1:
Average throughput: 27.30 Mbit/s
95th percentile per-packet one-way delay: 117.717 ms
Loss rate: 9.72%
```

Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 30.24 Mbit/s) ——— Flow 1 egress (mean 27.30 Mbit/s)

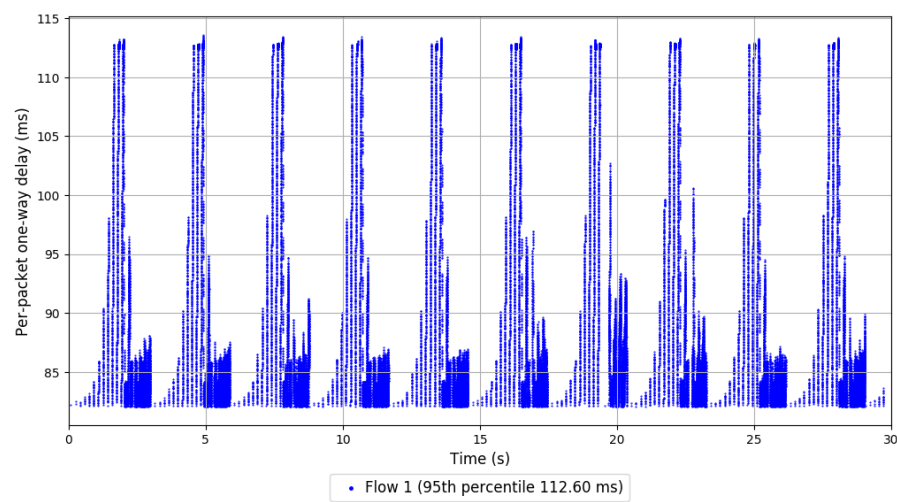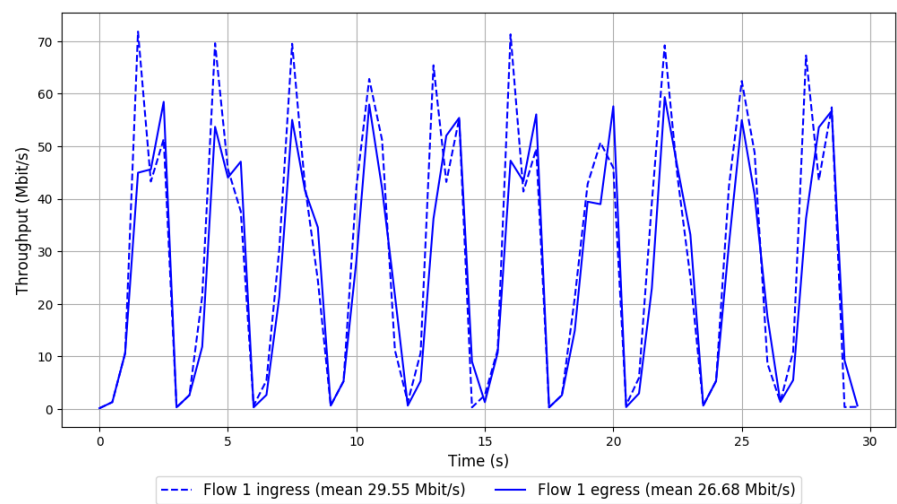• Flow 1 (95th percentile 117.72 ms)

```
Run 6: Statistics of Verus

Start at: 2018-02-16 03:31:27
End at: 2018-02-16 03:31:57
Local clock offset: -4.664 ms
Remote clock offset: -4.198 ms


# Below is generated by plot.py at 2018-02-16 05:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 112.601 ms
Loss rate: 9.69%
-- Flow 1:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 112.601 ms
Loss rate: 9.69%
```
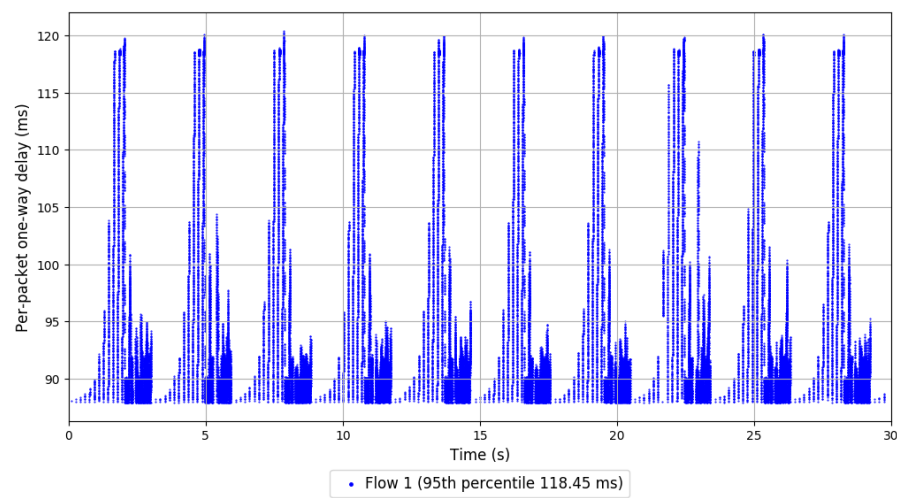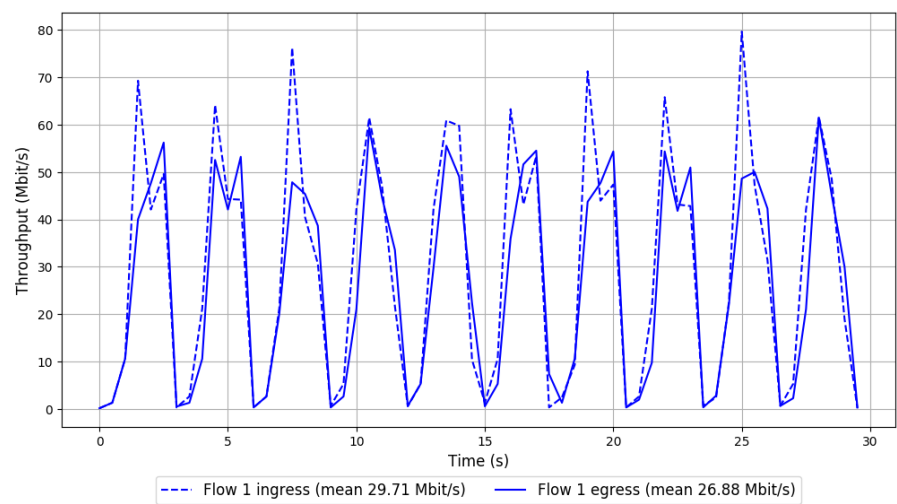
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-02-16 03:53:30
End at: 2018-02-16 03:54:00
Local clock offset: -4.224 ms
Remote clock offset: 1.655 ms


# Below is generated by plot.py at 2018-02-16 05:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 118.447 ms
Loss rate: 9.53%
-- Flow 1:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 118.447 ms
Loss rate: 9.53%
```

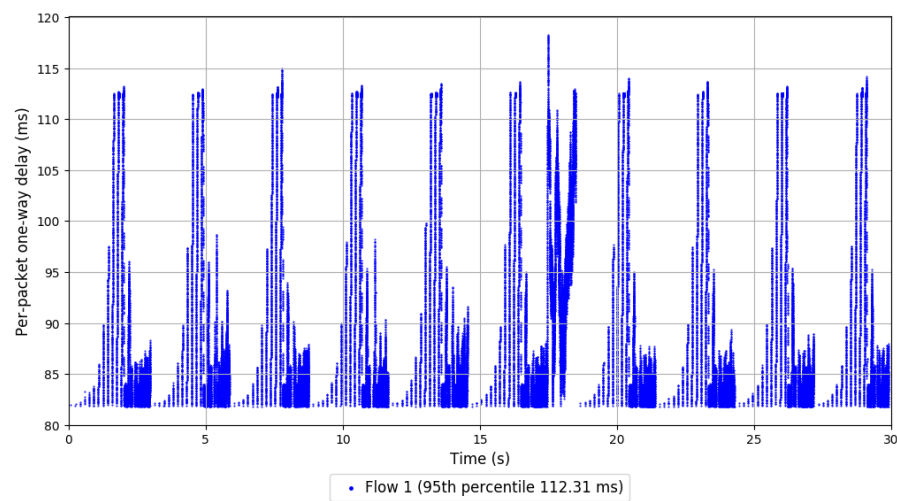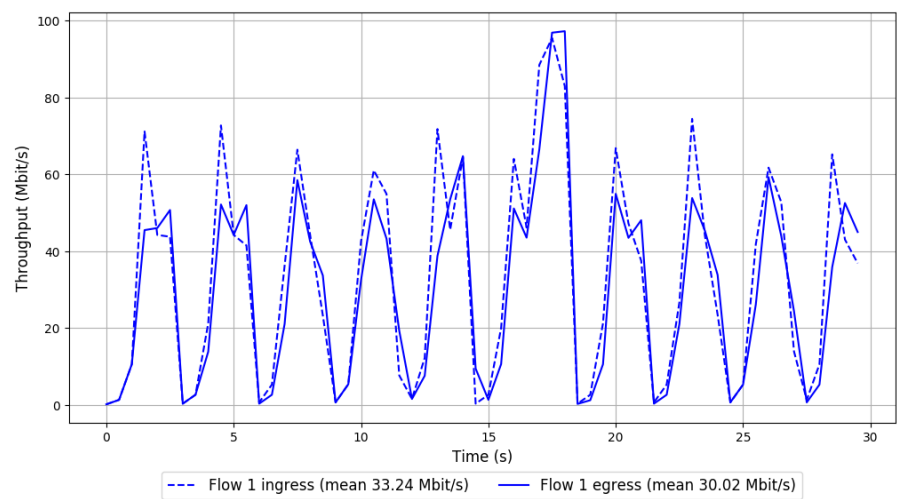Run 7: Report of Verus — Data Link

217

```
Run 8: Statistics of Verus

Start at: 2018-02-16 04:15:31
End at: 2018-02-16 04:16:01
Local clock offset: -5.227 ms
Remote clock offset: -4.081 ms


# Below is generated by plot.py at 2018-02-16 05:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 112.307 ms
Loss rate: 9.66%
-- Flow 1:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 112.307 ms
Loss rate: 9.66%
```
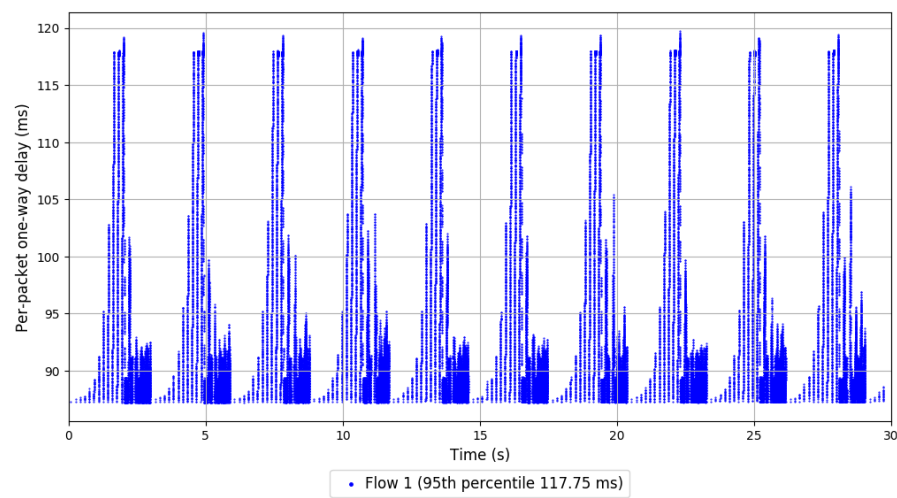
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 33.24 Mbit/s) --- Flow 1 egress (mean 30.02 Mbit/s) ———

Flow 1 (95th percentile 112.31 ms)

```
Run 9: Statistics of Verus

Start at: 2018-02-16 04:37:35
End at: 2018-02-16 04:38:05
Local clock offset: -5.192 ms
Remote clock offset: 0.956 ms


# Below is generated by plot.py at 2018-02-16 05:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 117.754 ms
Loss rate: 9.82%
-- Flow 1:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 117.754 ms
Loss rate: 9.82%
```
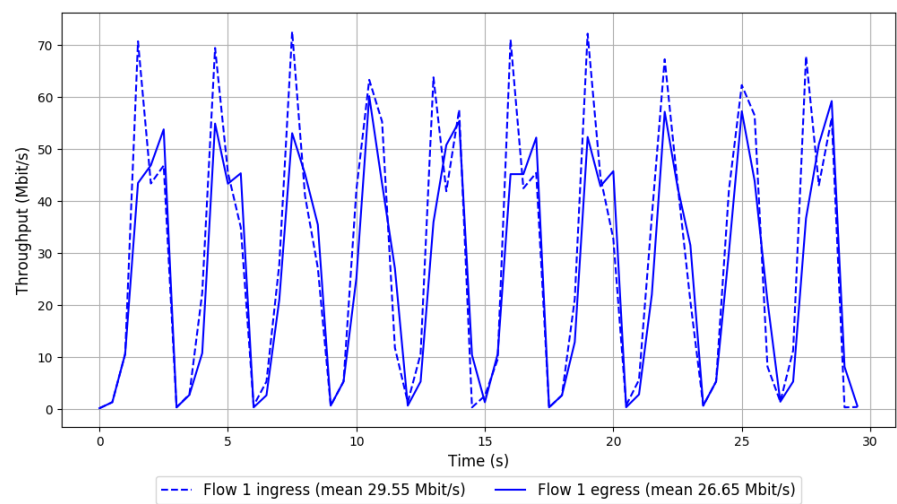
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 29.55 Mbit/s) — — — — Flow 1 egress (mean 26.65 Mbit/s)

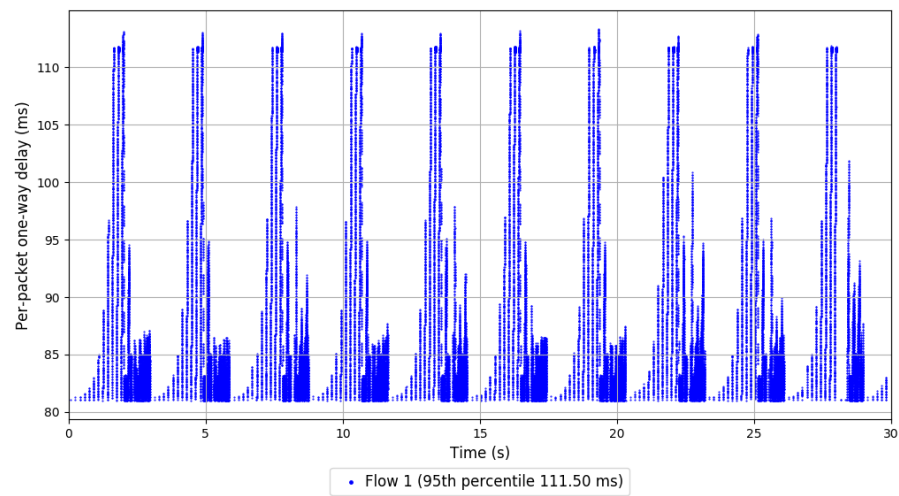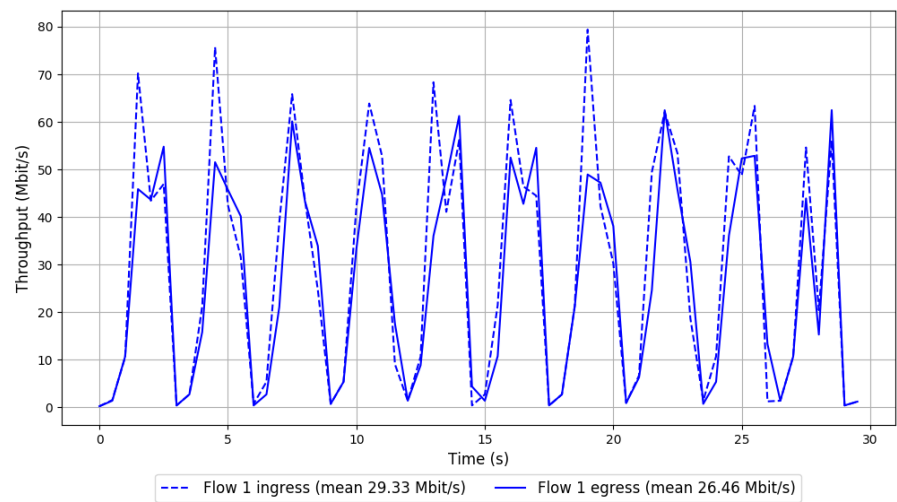• Flow 1 (95th percentile 117.75 ms)

```
Run 10: Statistics of Verus

Start at: 2018-02-16 04:59:40
End at: 2018-02-16 05:00:10
Local clock offset: -4.076 ms
Remote clock offset: -4.522 ms

# Below is generated by plot.py at 2018-02-16 05:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 111.501 ms
Loss rate: 9.78%
-- Flow 1:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 111.501 ms
Loss rate: 9.78%
```

Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-02-16 01:51:03
End at: 2018-02-16 01:51:33
Local clock offset: 1.642 ms
Remote clock offset: 7.982 ms


# Below is generated by plot.py at 2018-02-16 05:56:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.38 Mbit/s
95th percentile per-packet one-way delay: 92.232 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 74.38 Mbit/s
95th percentile per-packet one-way delay: 92.232 ms
Loss rate: 0.02%
```
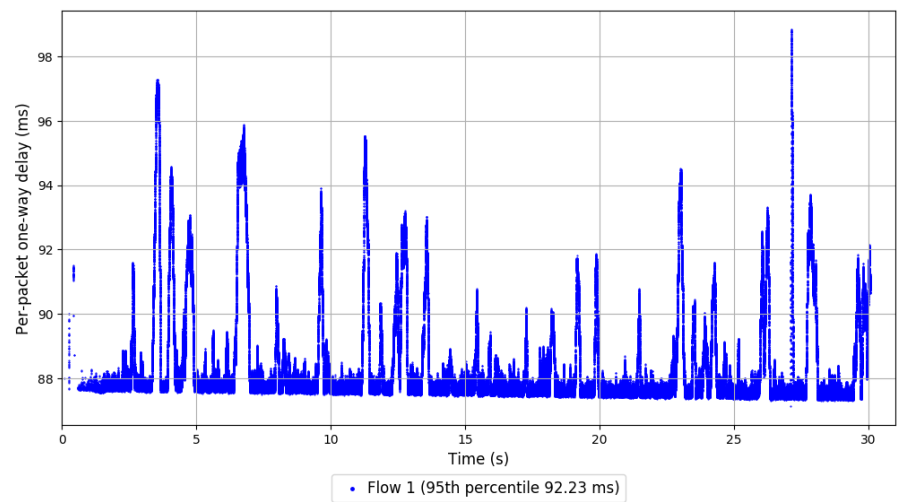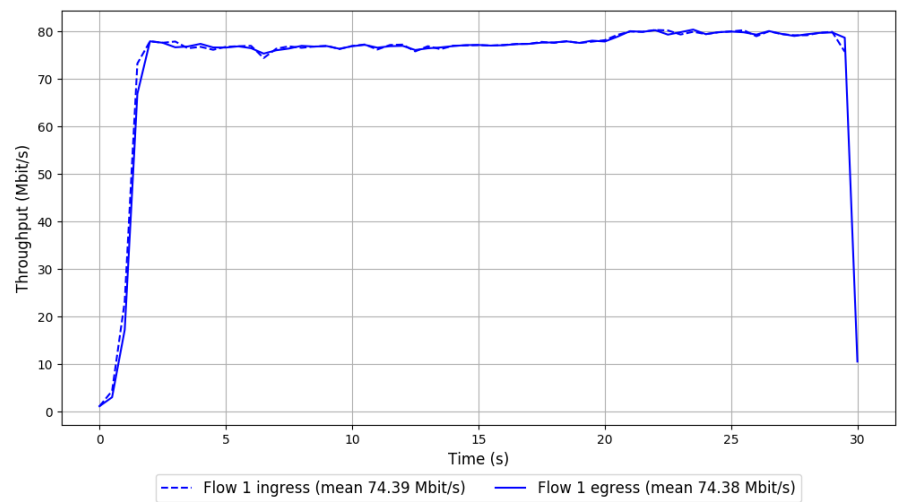
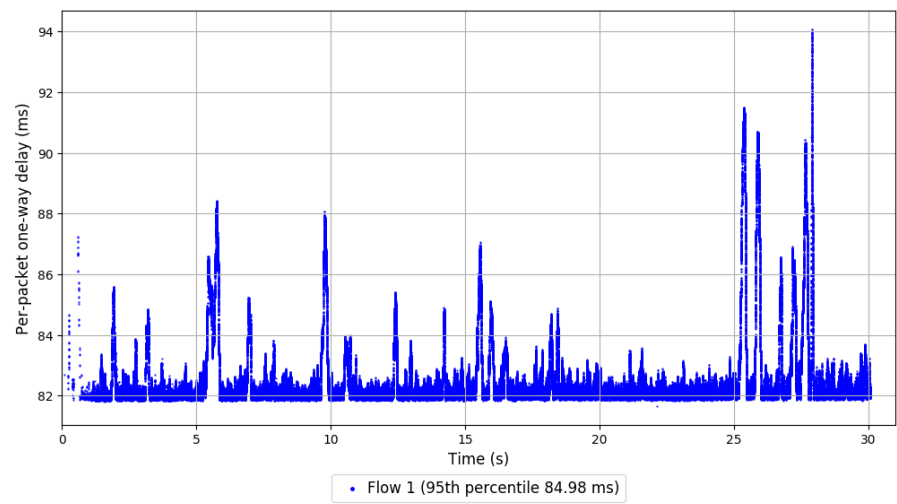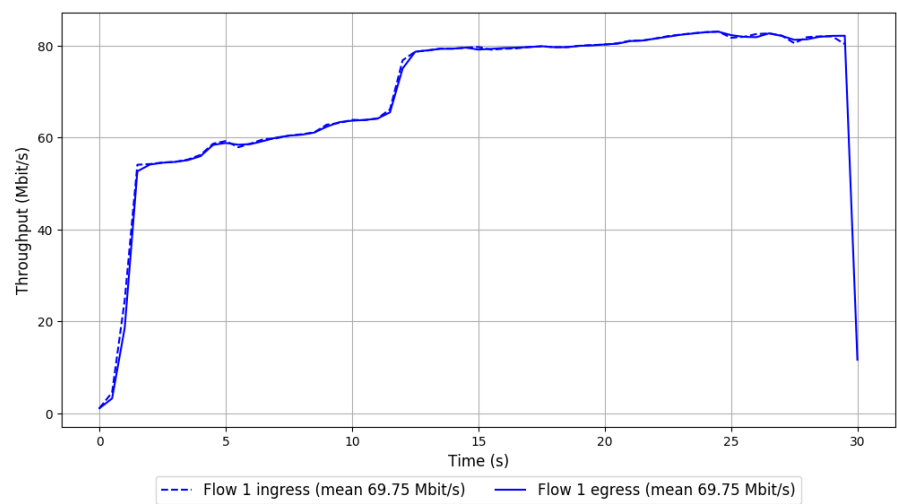## Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2018-02-16 02:13:00
End at: 2018-02-16 02:13:30
Local clock offset: -0.785 ms
Remote clock offset: 3.906 ms


# Below is generated by plot.py at 2018-02-16 05:56:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.75 Mbit/s
95th percentile per-packet one-way delay: 84.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.75 Mbit/s
95th percentile per-packet one-way delay: 84.985 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-02-16 02:35:00
End at: 2018-02-16 02:35:30
Local clock offset: -4.292 ms
Remote clock offset: 4.562 ms


# Below is generated by plot.py at 2018-02-16 05:56:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 84.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 84.941 ms
Loss rate: 0.00%
```
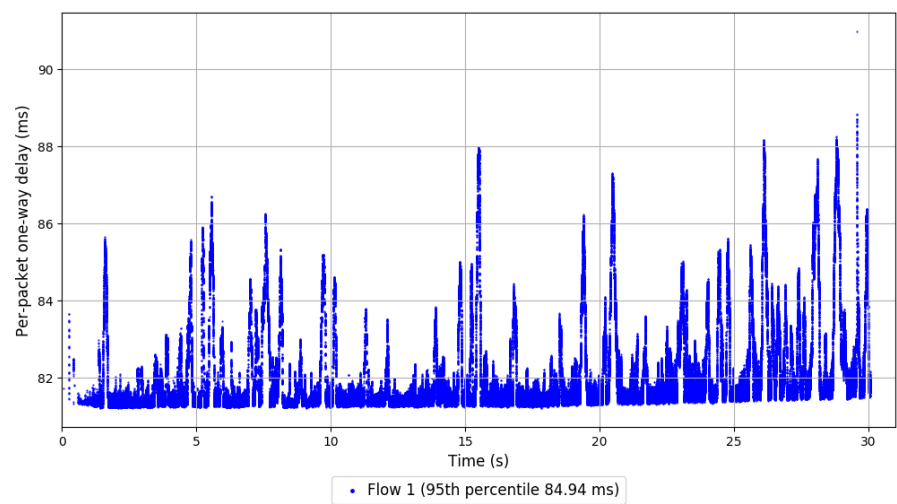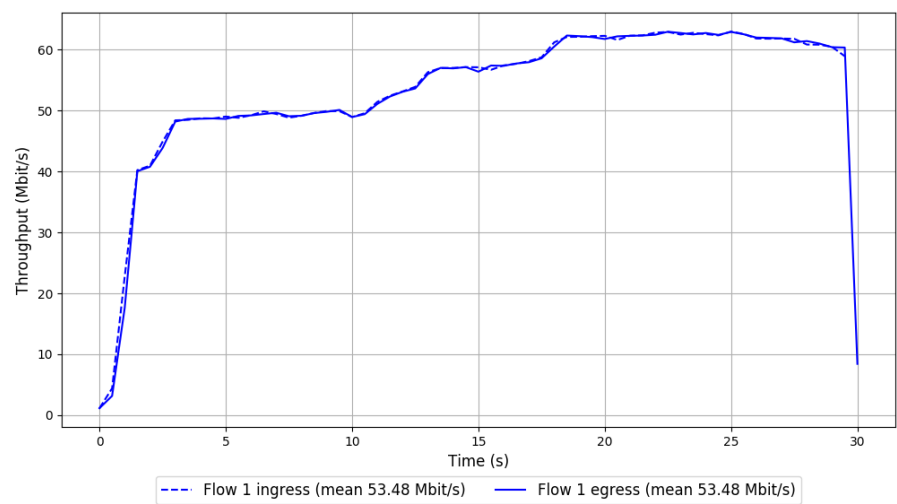
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 53.48 Mbit/s)   Flow 1 egress (mean 53.48 Mbit/s)

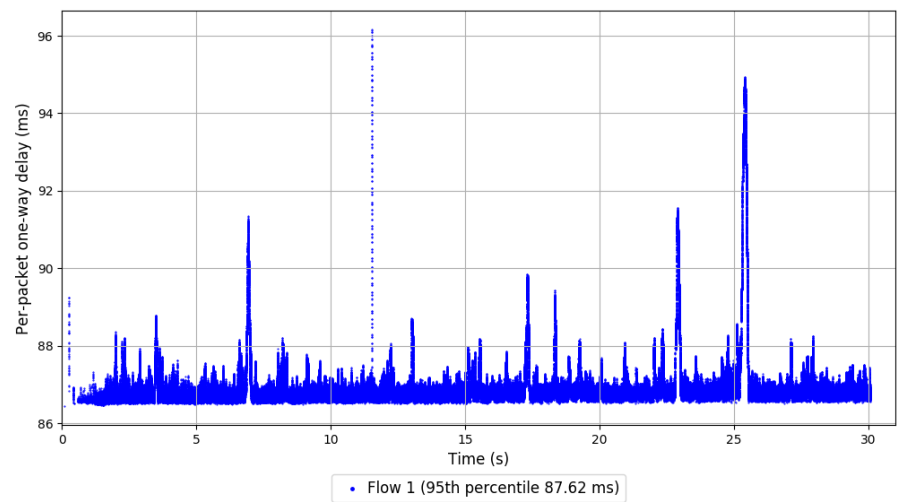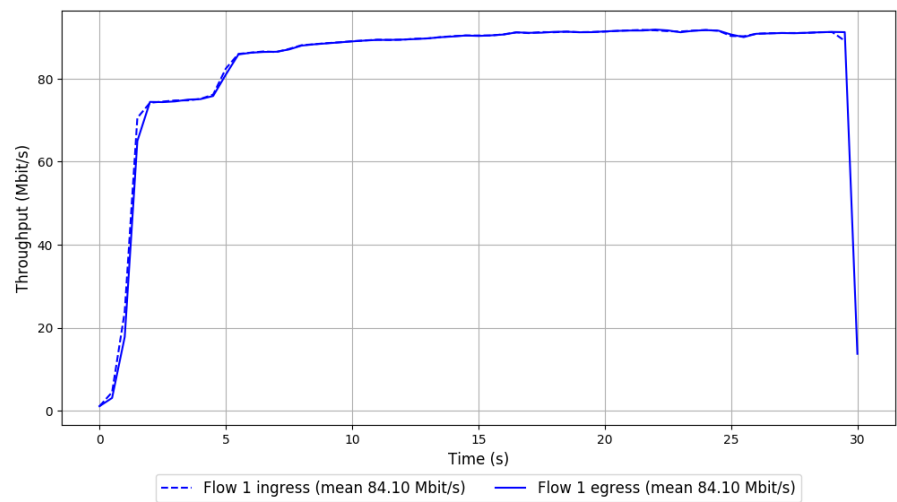Flow 1 (95th percentile 84.94 ms)

```
Run 4: Statistics of Copa

Start at: 2018-02-16 02:57:04
End at: 2018-02-16 02:57:35
Local clock offset: -4.629 ms
Remote clock offset: -0.041 ms


# Below is generated by plot.py at 2018-02-16 05:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 87.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 87.621 ms
Loss rate: 0.00%
```

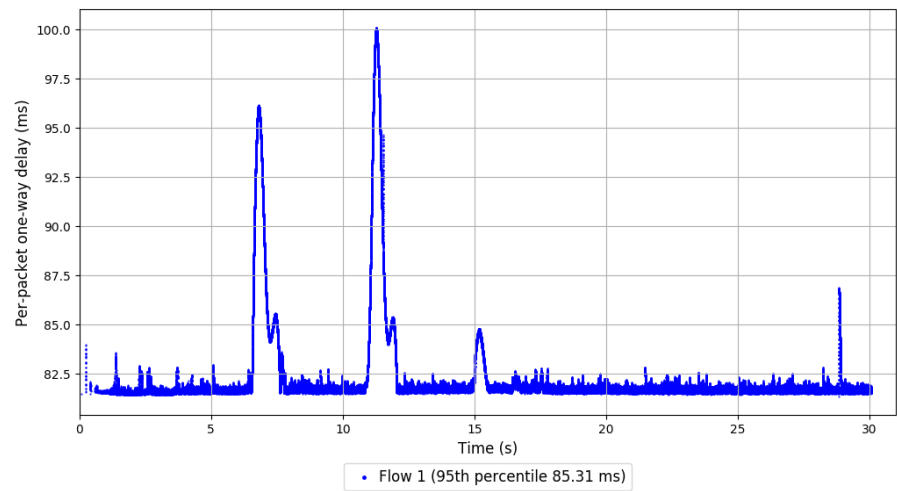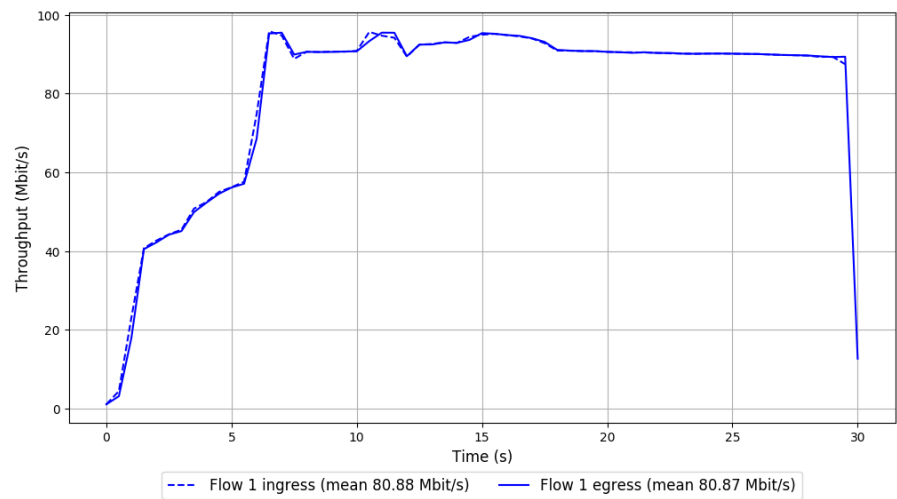Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2018-02-16 03:19:10
End at: 2018-02-16 03:19:40
Local clock offset: -4.84 ms
Remote clock offset: -4.752 ms


# Below is generated by plot.py at 2018-02-16 05:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 85.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 85.306 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 80.88 Mbit/s) —— Flow 1 egress (mean 80.87 Mbit/s)

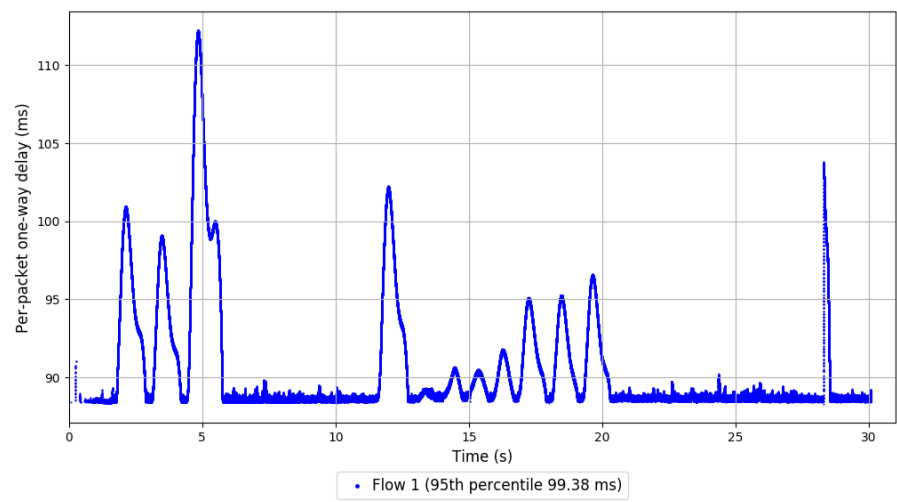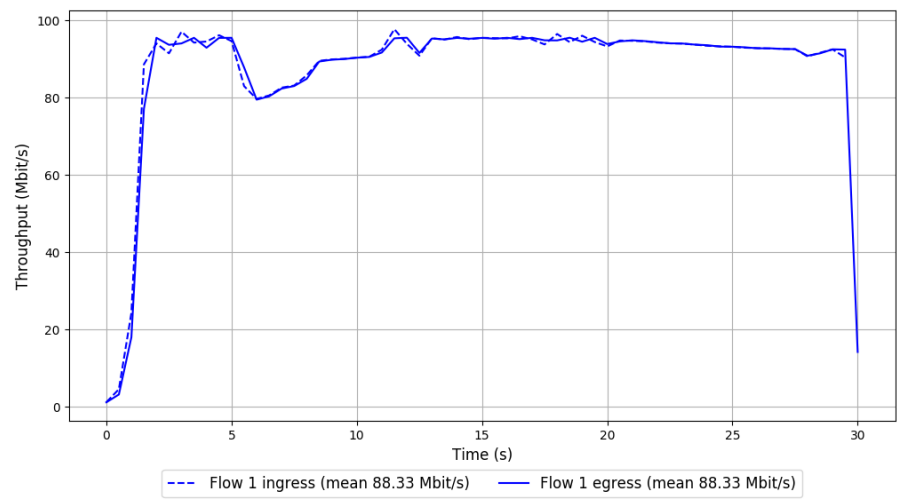• Flow 1 (95th percentile 85.31 ms)

```
Run 6: Statistics of Copa

Start at: 2018-02-16 03:41:10
End at: 2018-02-16 03:41:40
Local clock offset: -4.528 ms
Remote clock offset: 1.39 ms


# Below is generated by plot.py at 2018-02-16 05:56:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 99.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 99.378 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2018-02-16 04:03:14
End at: 2018-02-16 04:03:44
Local clock offset: -4.388 ms
Remote clock offset: 0.094 ms


# Below is generated by plot.py at 2018-02-16 05:56:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 106.099 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 106.099 ms
Loss rate: 0.03%
```
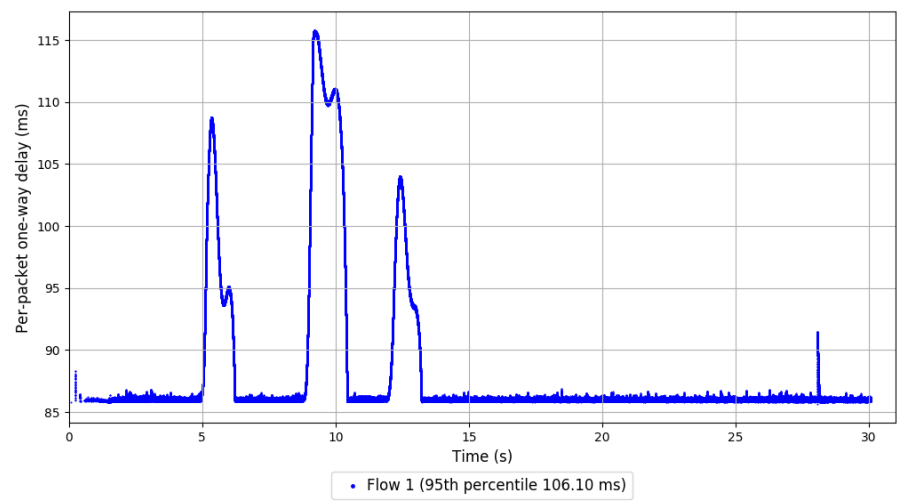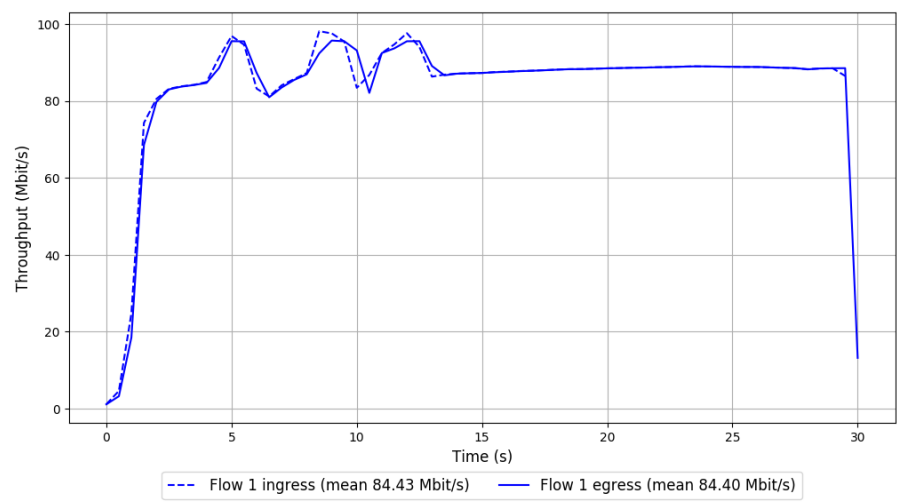
Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2018-02-16 04:25:15
End at: 2018-02-16 04:25:45
Local clock offset: -5.433 ms
Remote clock offset: 0.128 ms


# Below is generated by plot.py at 2018-02-16 05:57:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 96.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 96.465 ms
Loss rate: 0.00%
```
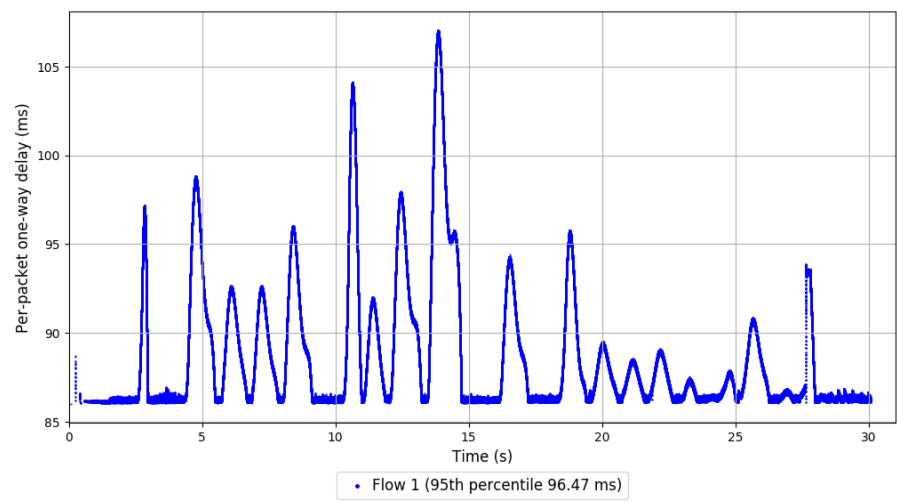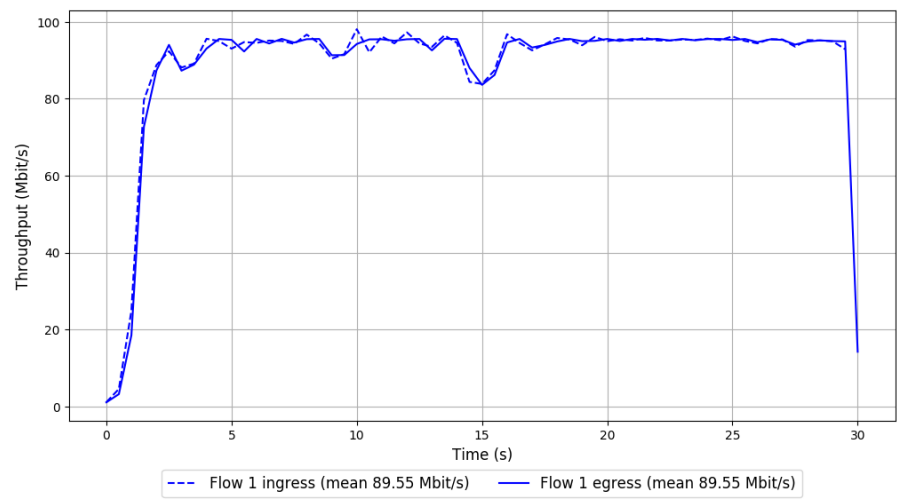
Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-02-16 04:47:20
End at: 2018-02-16 04:47:50
Local clock offset: -4.466 ms
Remote clock offset: 0.924 ms


# Below is generated by plot.py at 2018-02-16 05:58:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 93.901 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 93.901 ms
Loss rate: 0.02%
```
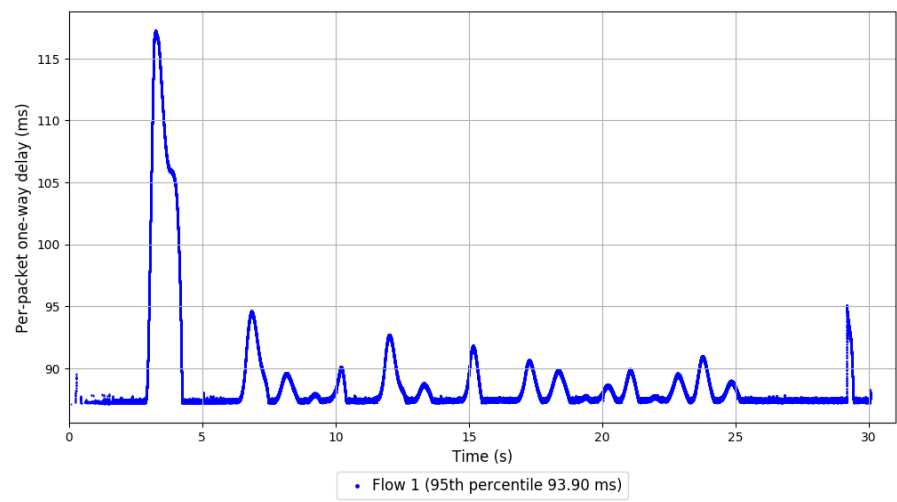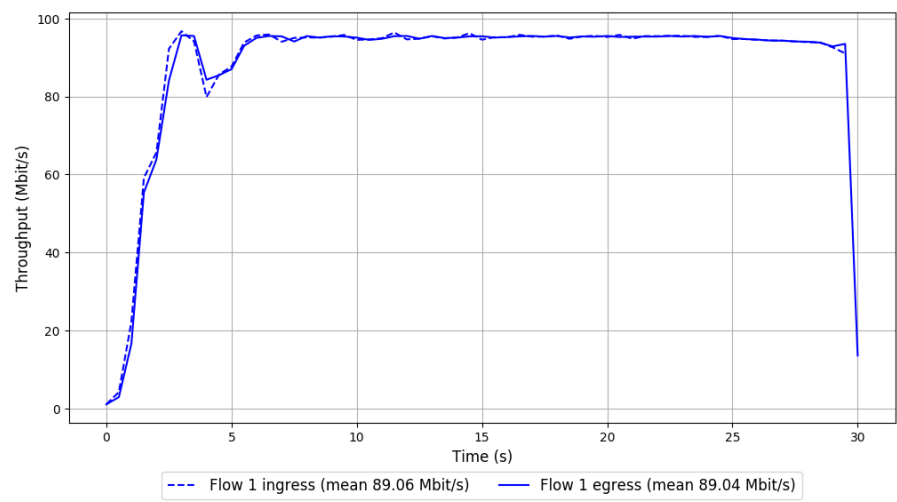
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 89.06 Mbit/s) Flow 1 egress (mean 89.04 Mbit/s)

Flow 1 (95th percentile 93.90 ms)

```
Run 10: Statistics of Copa

Start at: 2018-02-16 05:09:24
End at: 2018-02-16 05:09:54
Local clock offset: -3.922 ms
Remote clock offset: 2.117 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 119.014 ms
Loss rate: 90.85%
-- Flow 1:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 119.014 ms
Loss rate: 90.85%
```
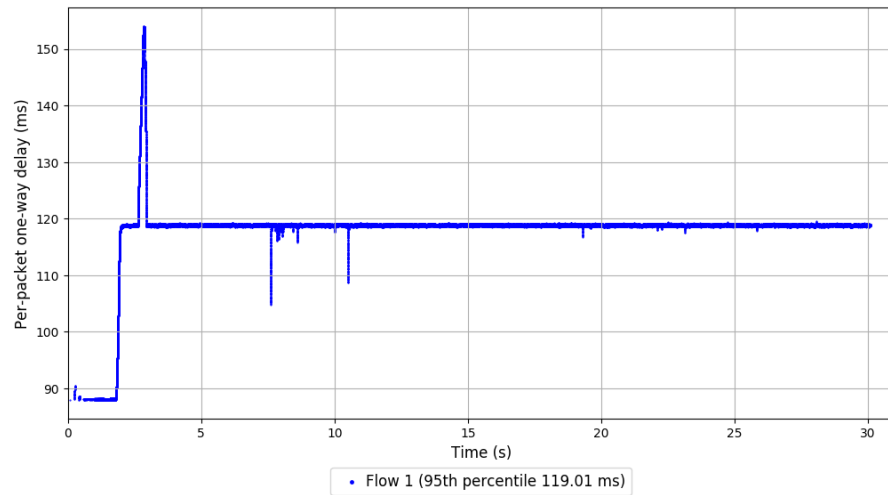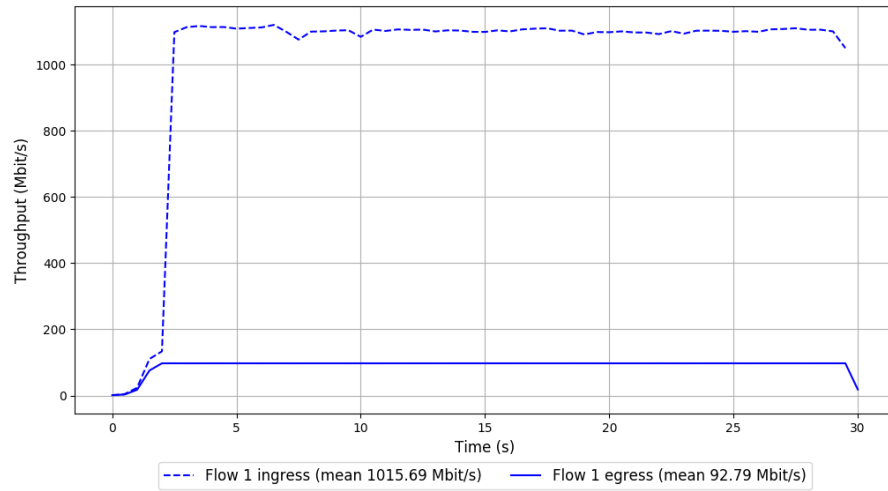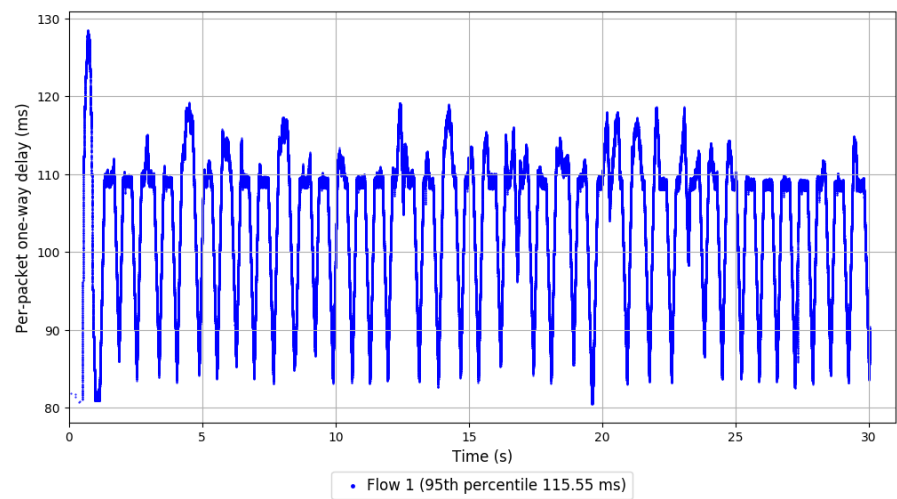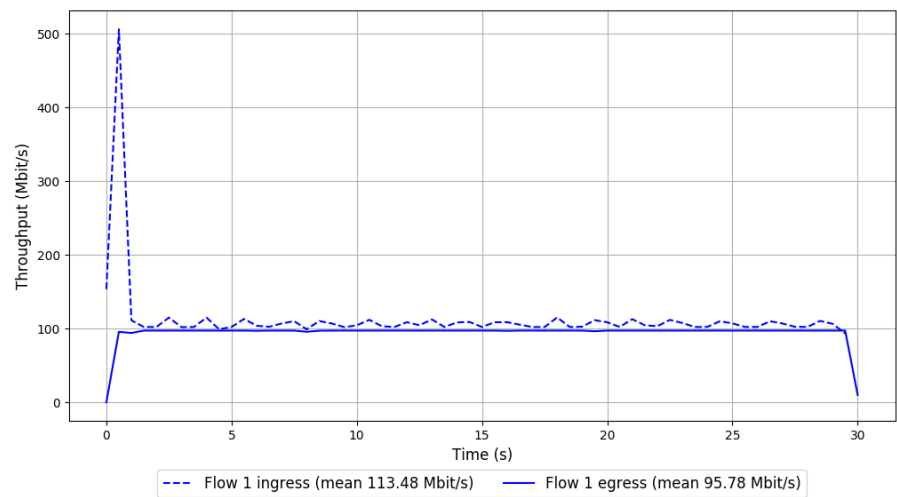
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of FillP

Start at: 2018-02-16 01:46:11
End at: 2018-02-16 01:46:41
Local clock offset: 5.746 ms
Remote clock offset: 1.106 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 115.546 ms
Loss rate: 15.58%
-- Flow 1:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 115.546 ms
Loss rate: 15.58%
```

Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 113.48 Mbit/s)   Flow 1 egress (mean 95.78 Mbit/s)

Flow 1 (95th percentile 115.55 ms)

```
Run 2: Statistics of FillP

Start at: 2018-02-16 02:08:07
End at: 2018-02-16 02:08:37
Local clock offset: -1.157 ms
Remote clock offset: 3.659 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 113.716 ms
Loss rate: 15.43%
-- Flow 1:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 113.716 ms
Loss rate: 15.43%
```
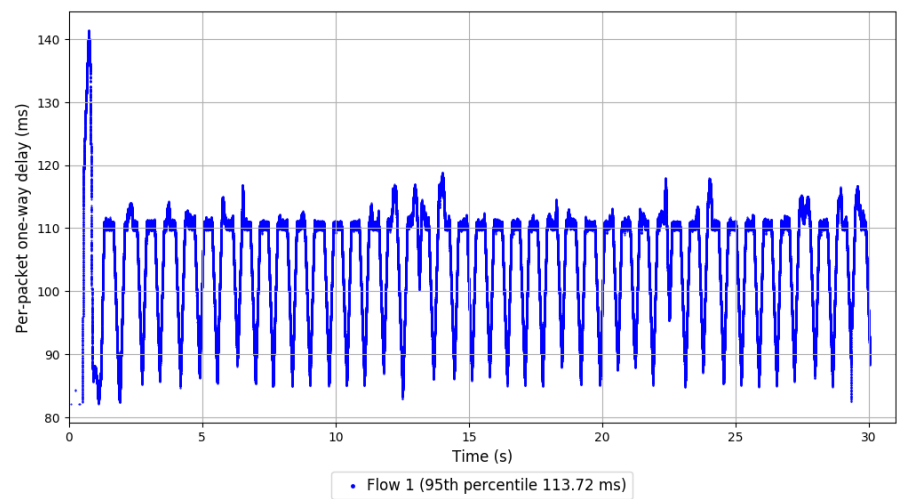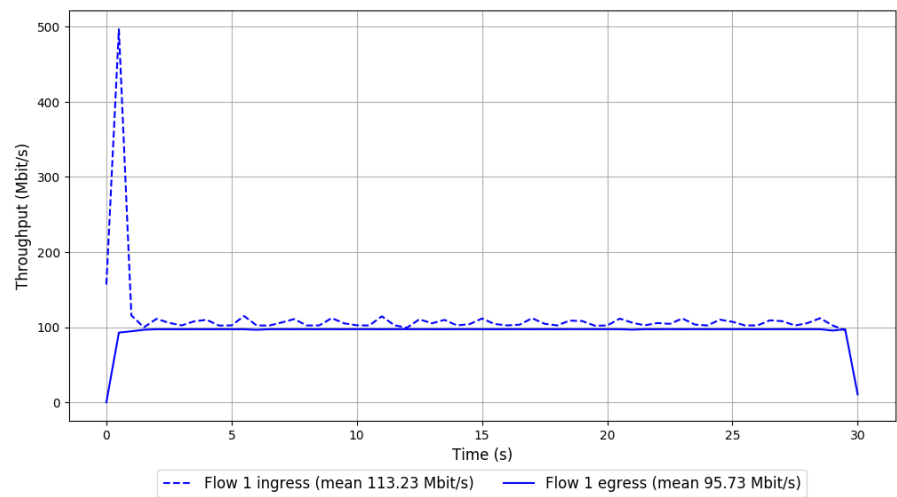
Run 2: Report of FillP — Data Link

Flow 1 ingress (mean 113.23 Mbit/s) ----- Flow 1 egress (mean 95.73 Mbit/s) ———

Flow 1 (95th percentile 113.72 ms)

```
Run 3: Statistics of FillP

Start at: 2018-02-16 02:30:06
End at: 2018-02-16 02:30:36
Local clock offset: -3.903 ms
Remote clock offset: 4.203 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 113.180 ms
Loss rate: 15.57%
-- Flow 1:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 113.180 ms
Loss rate: 15.57%
```
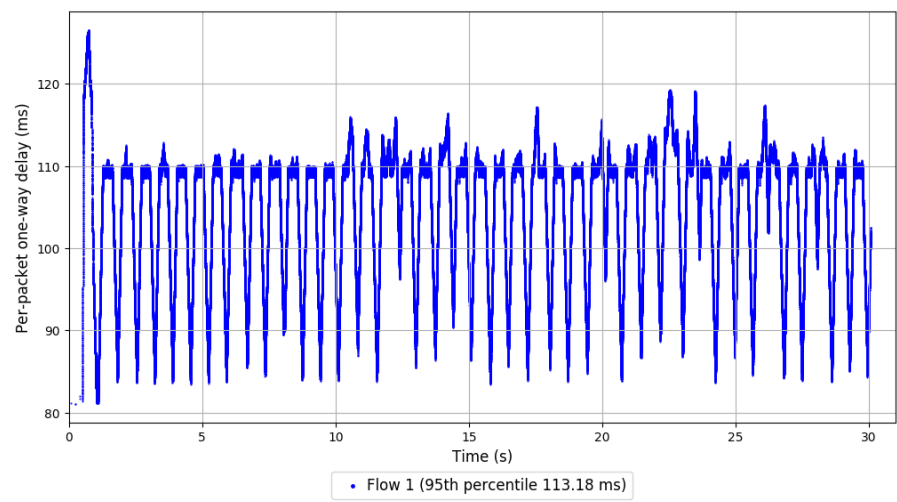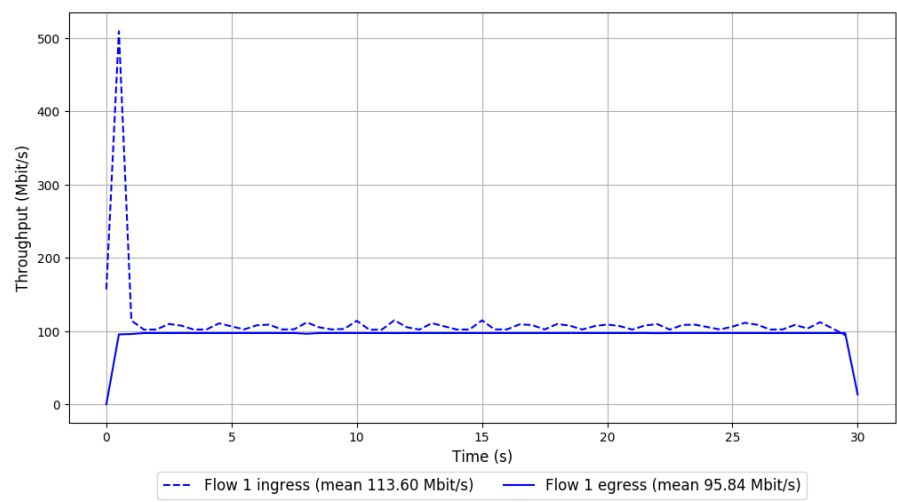
Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 113.60 Mbit/s) --- Flow 1 egress (mean 95.84 Mbit/s)

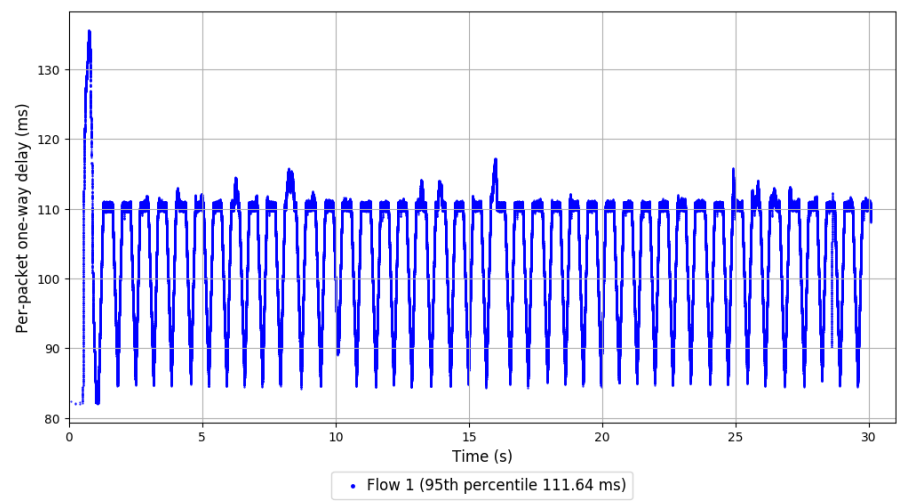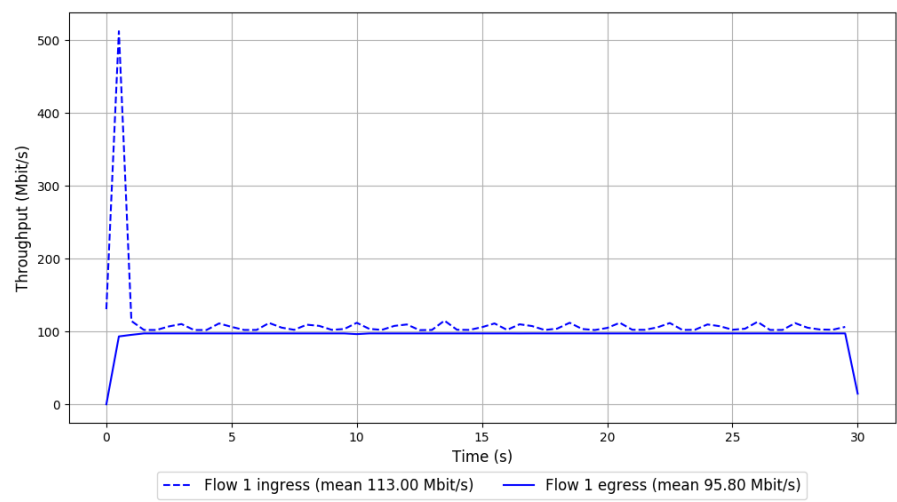Flow 1 (95th percentile 113.18 ms)

```
Run 4: Statistics of FillP

Start at: 2018-02-16 02:52:10
End at: 2018-02-16 02:52:40
Local clock offset: -3.985 ms
Remote clock offset: -3.873 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 111.636 ms
Loss rate: 15.14%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 111.636 ms
Loss rate: 15.14%
```

Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 113.00 Mbit/s)   Flow 1 egress (mean 95.80 Mbit/s)
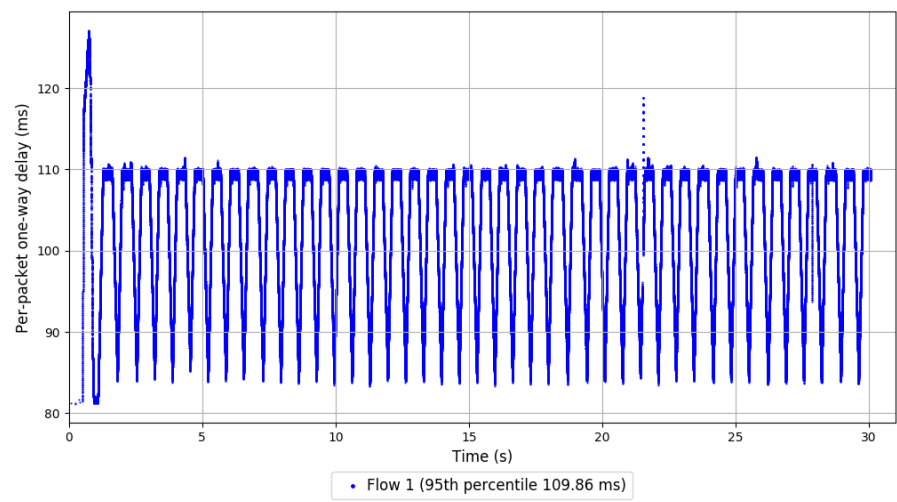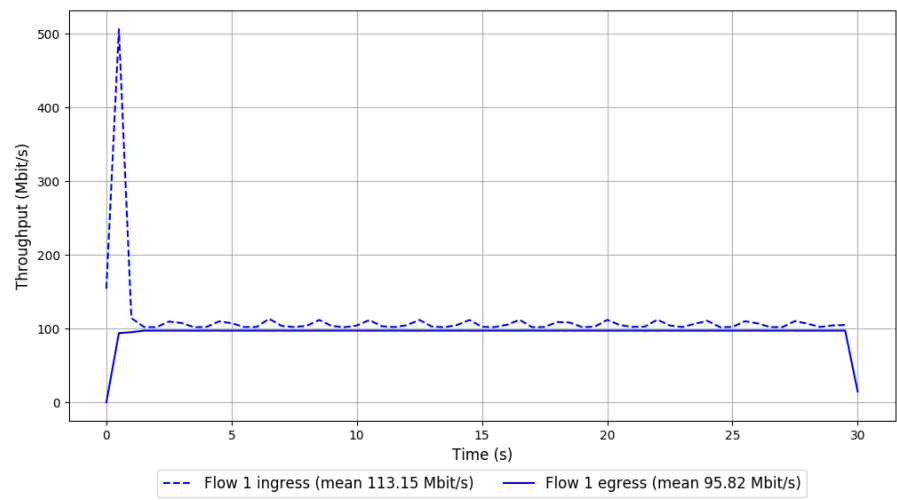

Flow 1 (95th percentile 111.64 ms)

```
Run 5: Statistics of FillP

Start at: 2018-02-16 03:14:14
End at: 2018-02-16 03:14:44
Local clock offset: -4.938 ms
Remote clock offset: -6.252 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 109.862 ms
Loss rate: 15.24%
-- Flow 1:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 109.862 ms
Loss rate: 15.24%
```

Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 113.15 Mbit/s) --- Flow 1 egress (mean 95.82 Mbit/s)

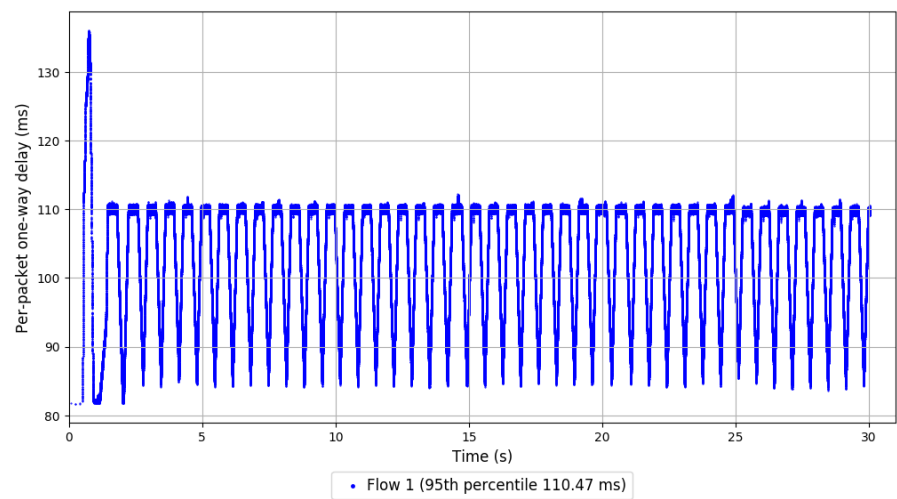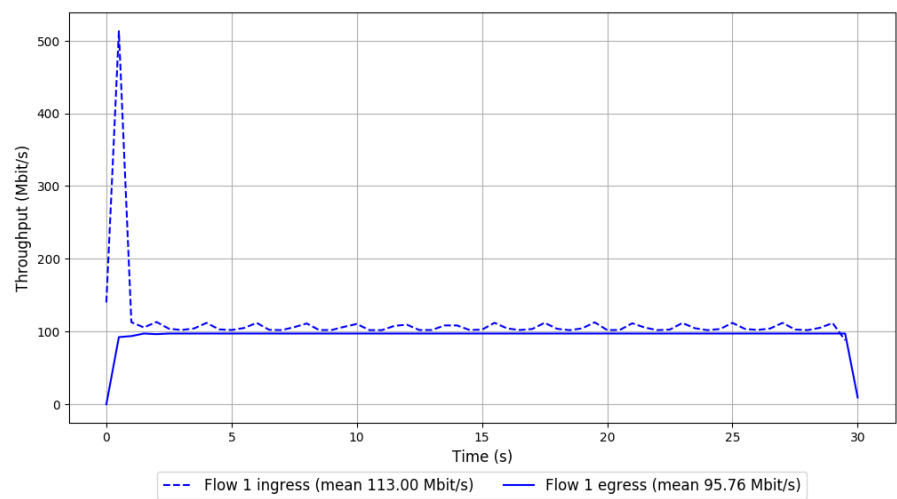
Flow 1 (95th percentile 109.86 ms)

```
Run 6: Statistics of FillP

Start at: 2018-02-16 03:36:16
End at: 2018-02-16 03:36:46
Local clock offset: -4.624 ms
Remote clock offset: -5.094 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 110.475 ms
Loss rate: 15.18%
-- Flow 1:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 110.475 ms
Loss rate: 15.18%
```
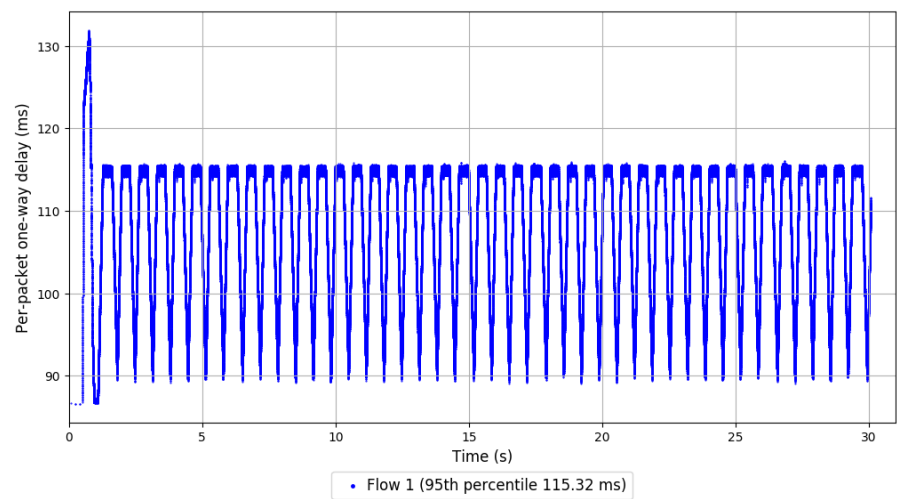
Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 113.00 Mbit/s) --- Flow 1 egress (mean 95.76 Mbit/s)

Flow 1 (95th percentile 110.47 ms)

```
Run 7: Statistics of FillP

Start at: 2018-02-16 03:58:20
End at: 2018-02-16 03:58:50
Local clock offset: -4.128 ms
Remote clock offset: 0.878 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 115.316 ms
Loss rate: 15.09%
-- Flow 1:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 115.316 ms
Loss rate: 15.09%
```
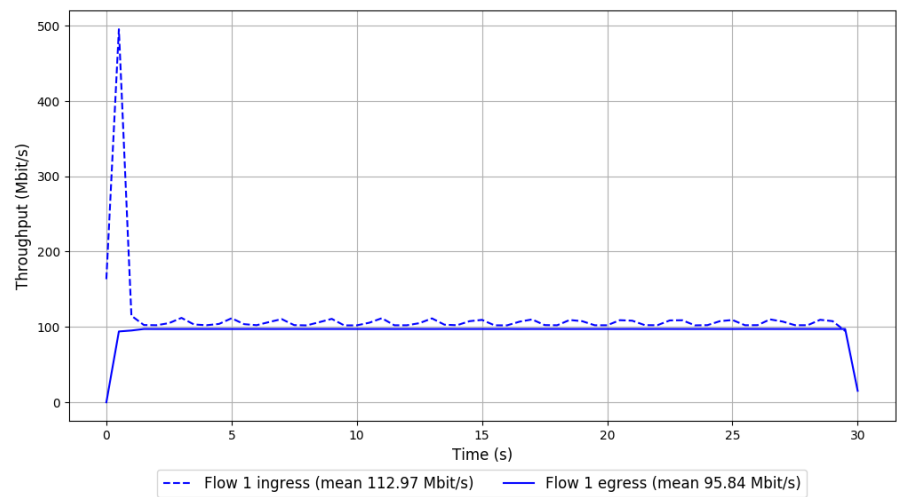
Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 112.97 Mbit/s) --- Flow 1 egress (mean 95.84 Mbit/s)

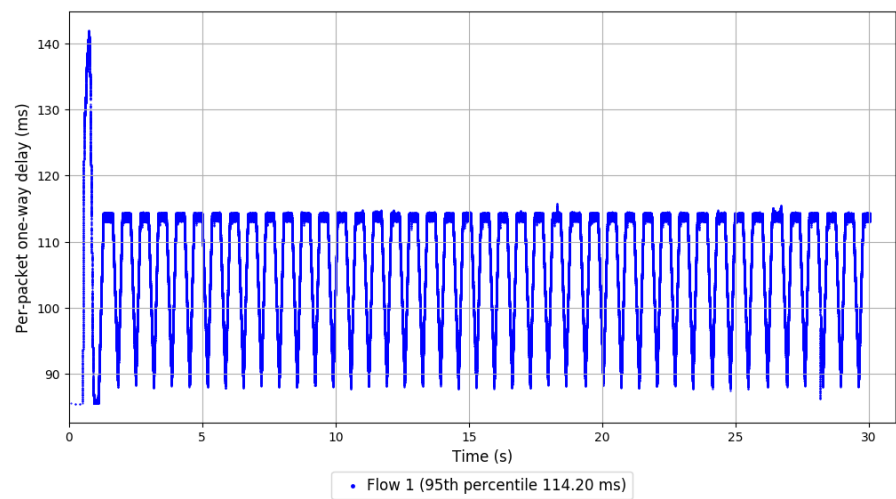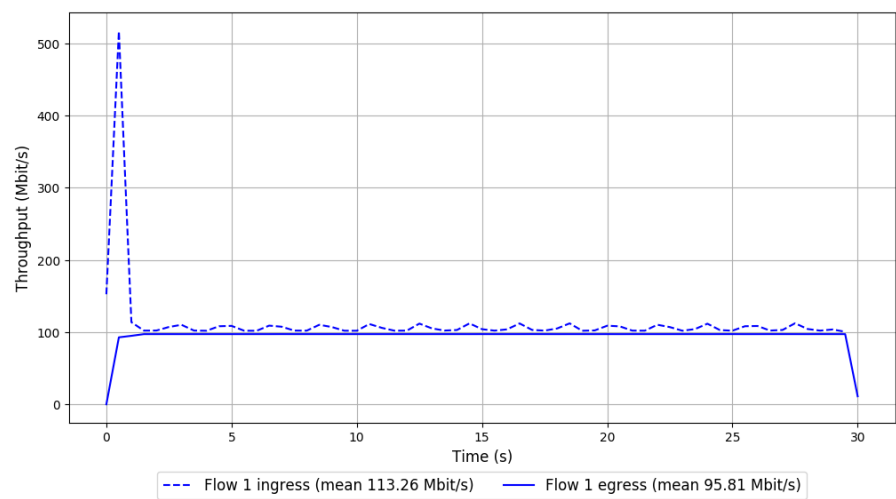Flow 1 (95th percentile 115.32 ms)

```
Run 8: Statistics of FillP

Start at: 2018-02-16 04:20:21
End at: 2018-02-16 04:20:51
Local clock offset: -5.362 ms
Remote clock offset: -0.009 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 114.198 ms
Loss rate: 15.32%
-- Flow 1:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 114.198 ms
Loss rate: 15.32%
```
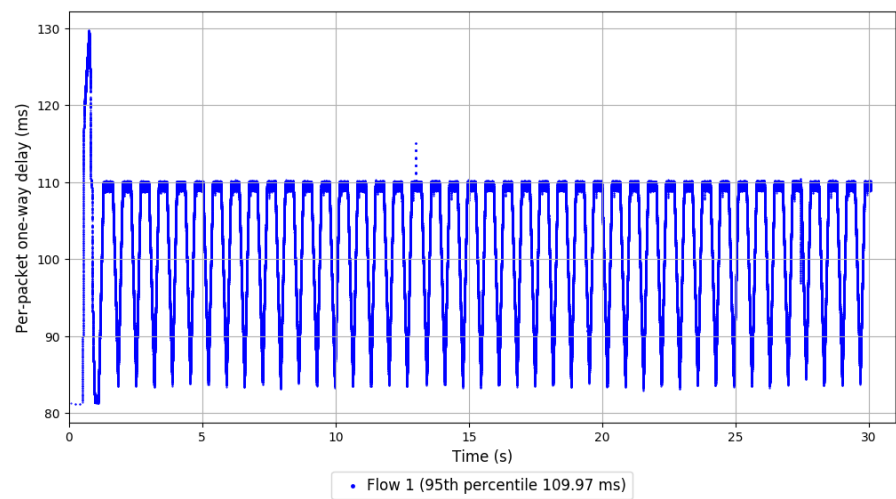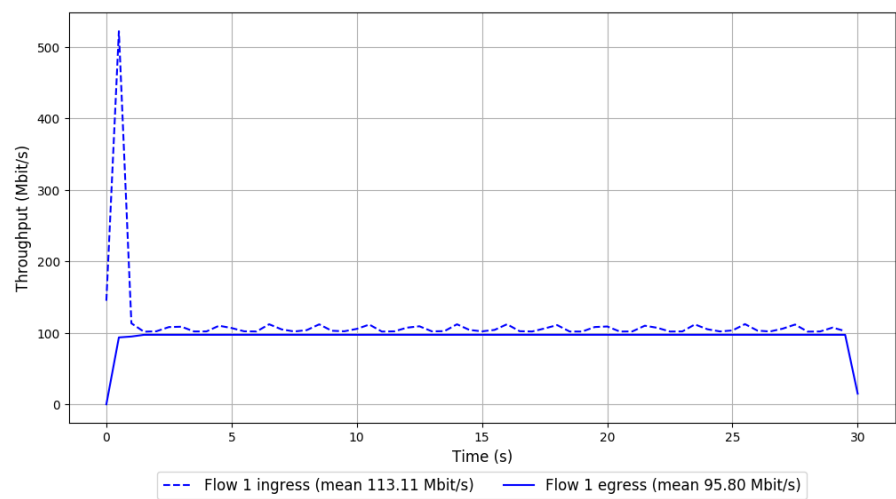
Run 8: Report of FillP — Data Link

```
Run 9: Statistics of FillP

Start at: 2018-02-16 04:42:25
End at: 2018-02-16 04:42:55
Local clock offset: -4.746 ms
Remote clock offset: -4.661 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 109.966 ms
Loss rate: 15.23%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 109.966 ms
Loss rate: 15.23%
```

Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 113.11 Mbit/s) --- Flow 1 egress (mean 95.80 Mbit/s)

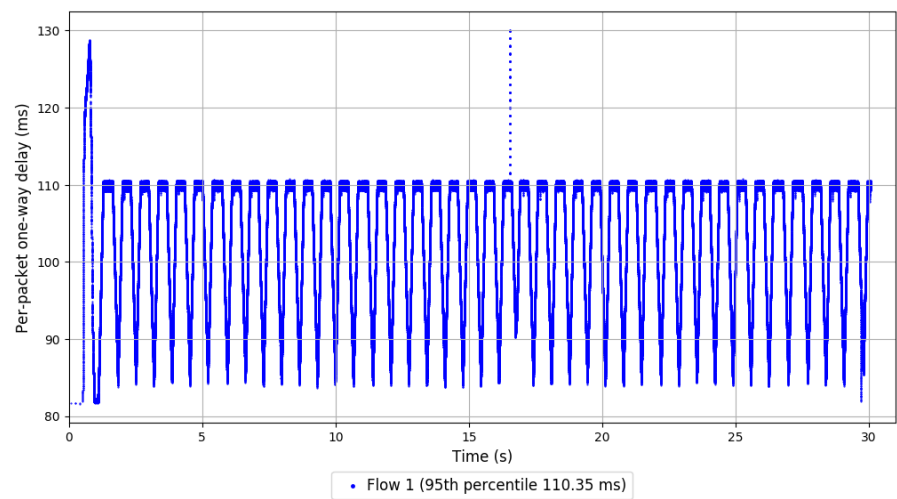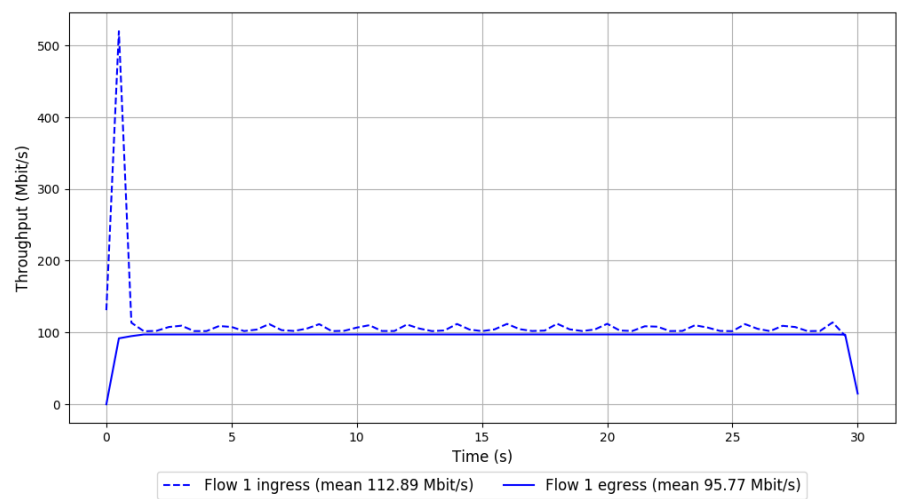
Flow 1 (95th percentile 109.97 ms)

```
Run 10: Statistics of FillP

Start at: 2018-02-16 05:04:29
End at: 2018-02-16 05:04:59
Local clock offset: -4.012 ms
Remote clock offset: -3.653 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 110.352 ms
Loss rate: 15.09%
-- Flow 1:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 110.352 ms
Loss rate: 15.09%
```
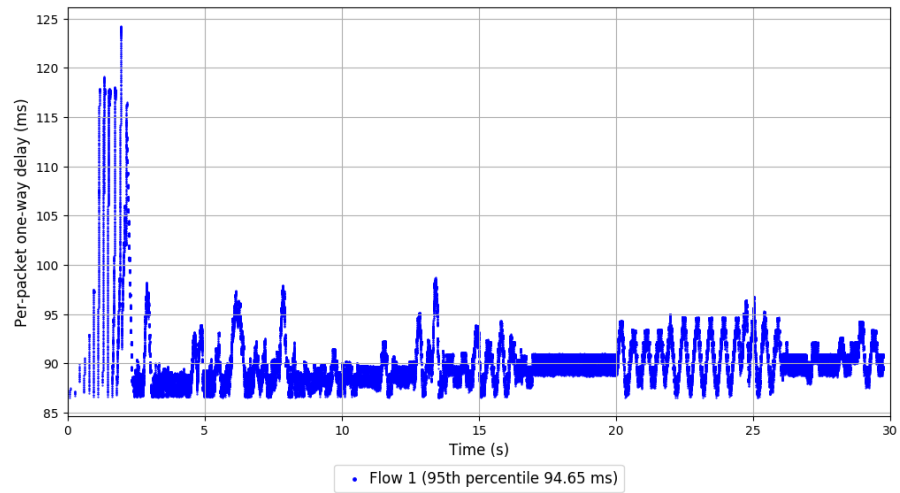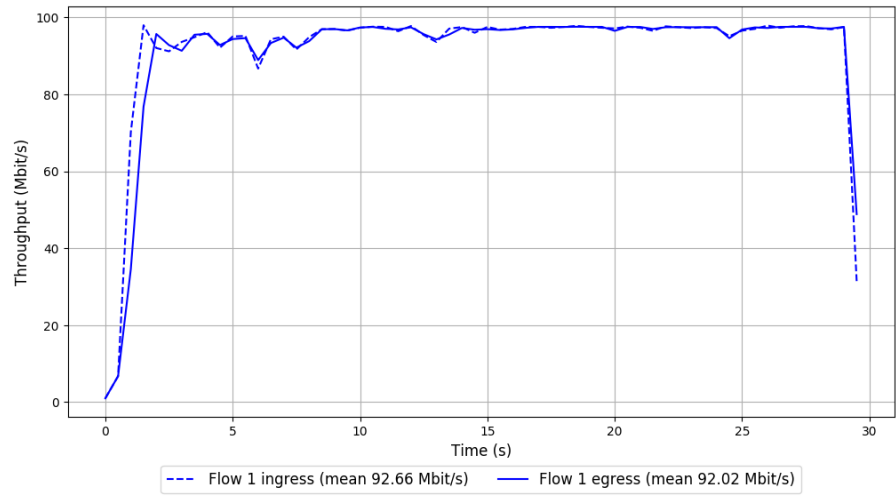
Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 112.89 Mbit/s) --- Flow 1 egress (mean 95.77 Mbit/s)

Flow 1 (95th percentile 110.35 ms)

```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 02:00:49
End at: 2018-02-16 02:01:19
Local clock offset: -1.197 ms
Remote clock offset: 7.866 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 94.649 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 94.649 ms
Loss rate: 0.69%
```
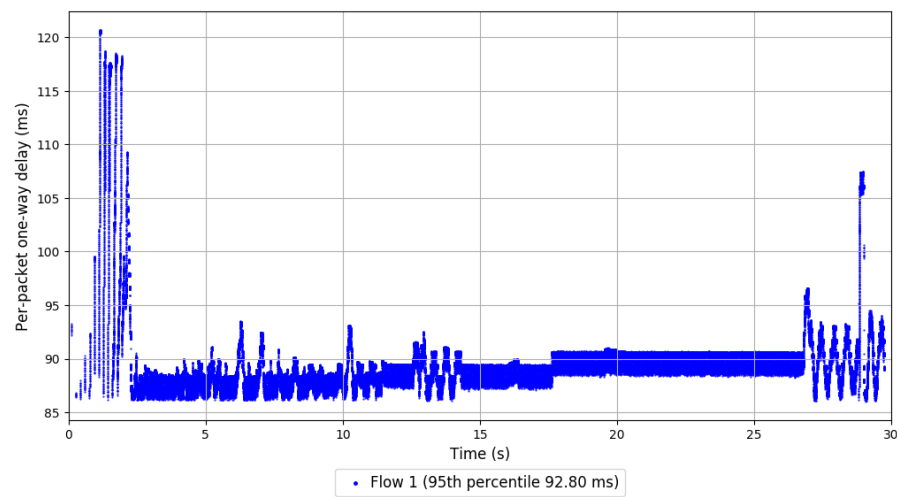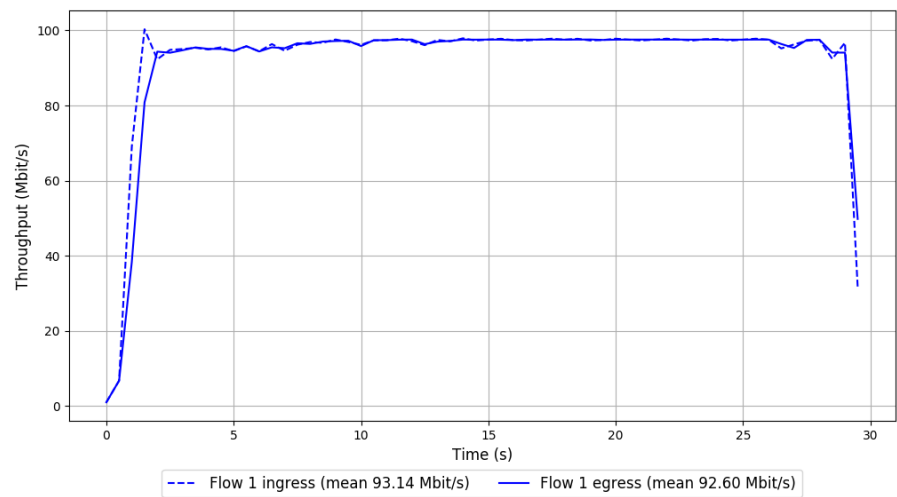
Run 1: Report of Indigo-1-32 — Data Link

```
Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 02:22:48
End at: 2018-02-16 02:23:18
Local clock offset: -2.225 ms
Remote clock offset: 8.621 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 92.799 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 92.799 ms
Loss rate: 0.59%
```
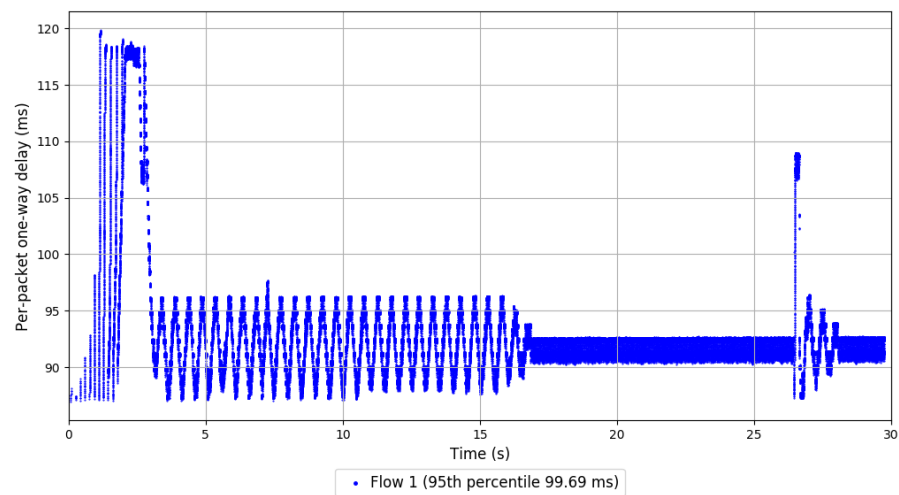
Run 2: Report of Indigo-1-32 — Data Link

```
Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 02:44:46
End at: 2018-02-16 02:45:16
Local clock offset: -4.277 ms
Remote clock offset: 3.419 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 99.691 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 99.691 ms
Loss rate: 0.96%
```
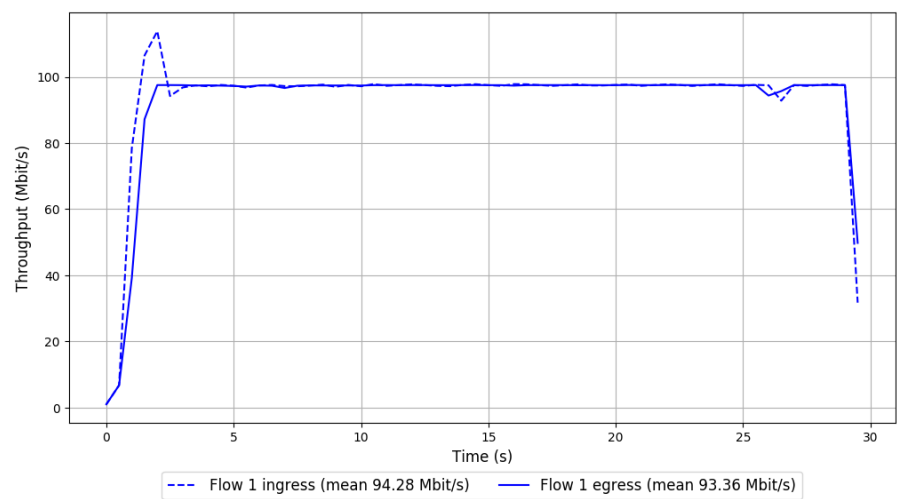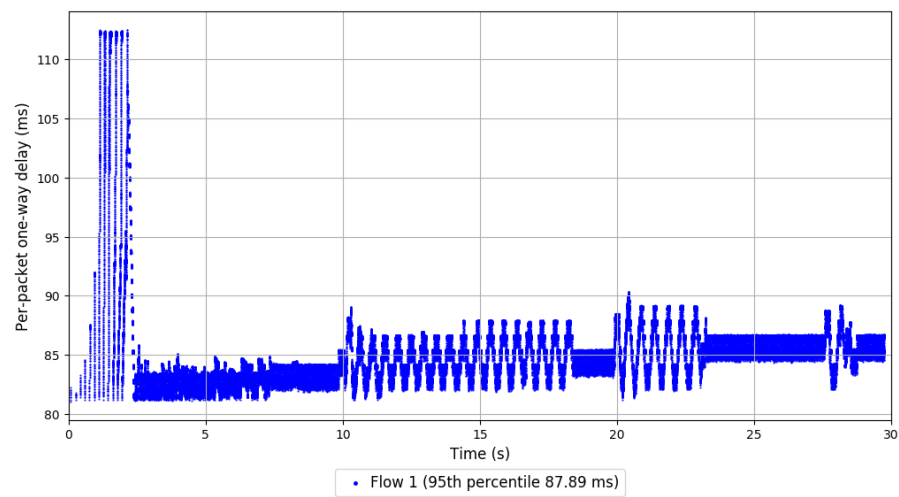
Run 3: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 94.28 Mbit/s) ---- Flow 1 egress (mean 93.36 Mbit/s) ——

Flow 1 (95th percentile 99.69 ms)

```
Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 03:06:55
End at: 2018-02-16 03:07:25
Local clock offset: -4.971 ms
Remote clock offset: -7.242 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 87.887 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 87.887 ms
Loss rate: 0.66%
```
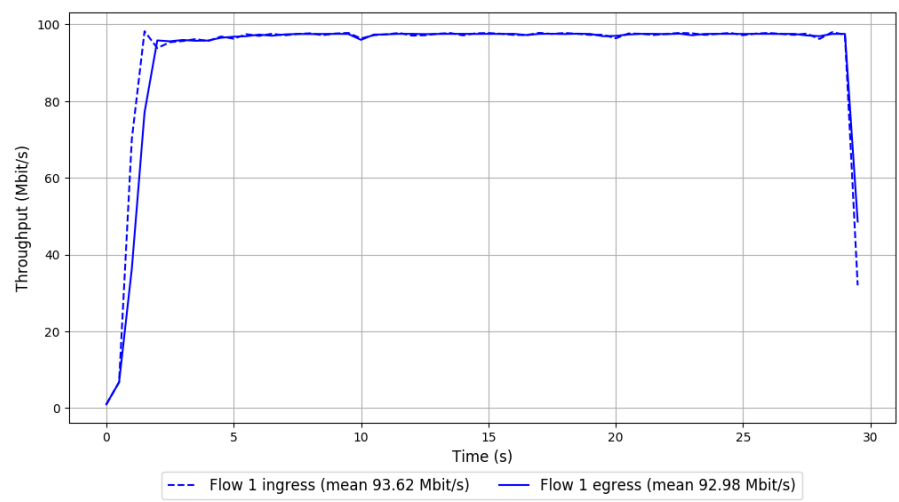
Run 4: Report of Indigo-1-32 — Data Link

```
Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 03:28:58
End at: 2018-02-16 03:29:28
Local clock offset: -4.67 ms
Remote clock offset: 1.453 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 93.278 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 93.278 ms
Loss rate: 0.68%
```
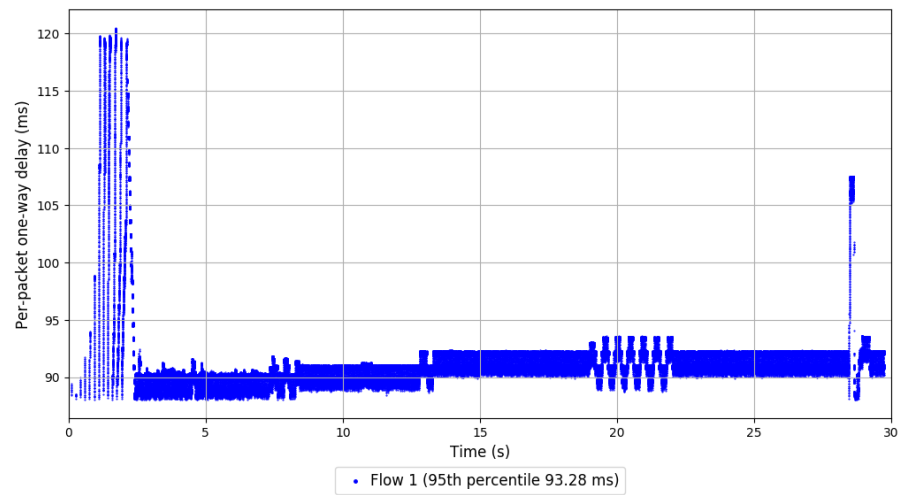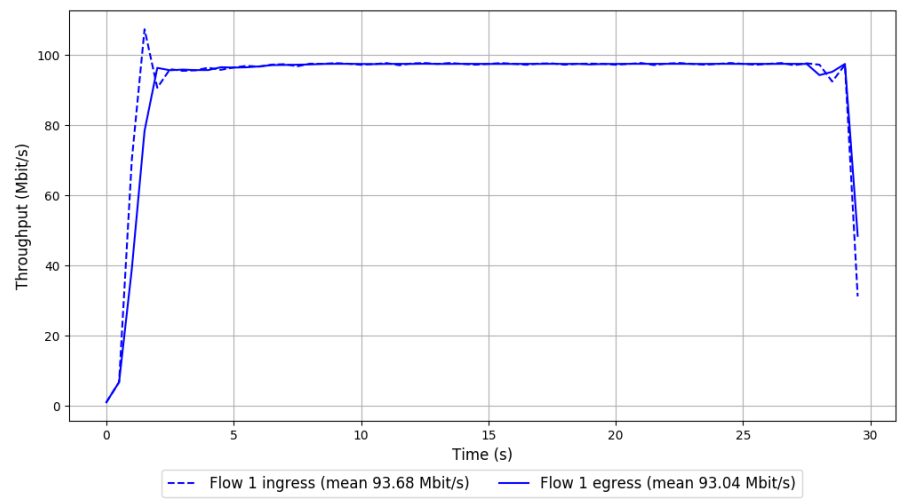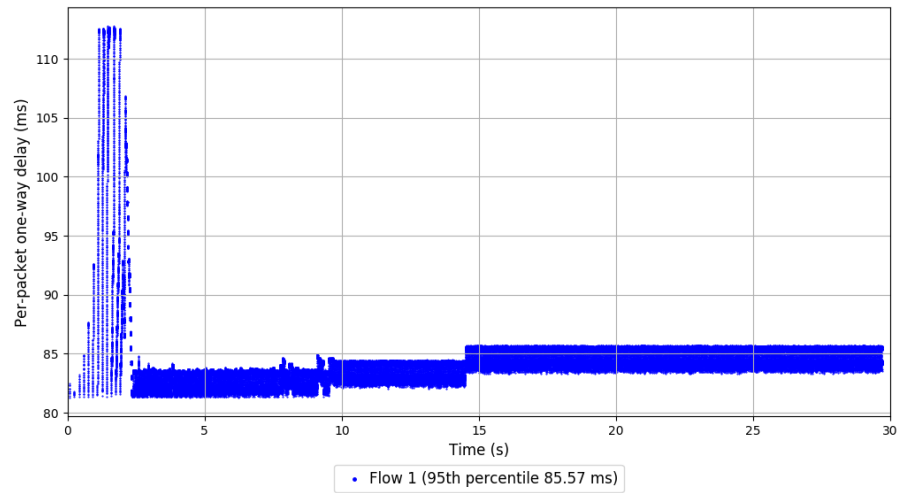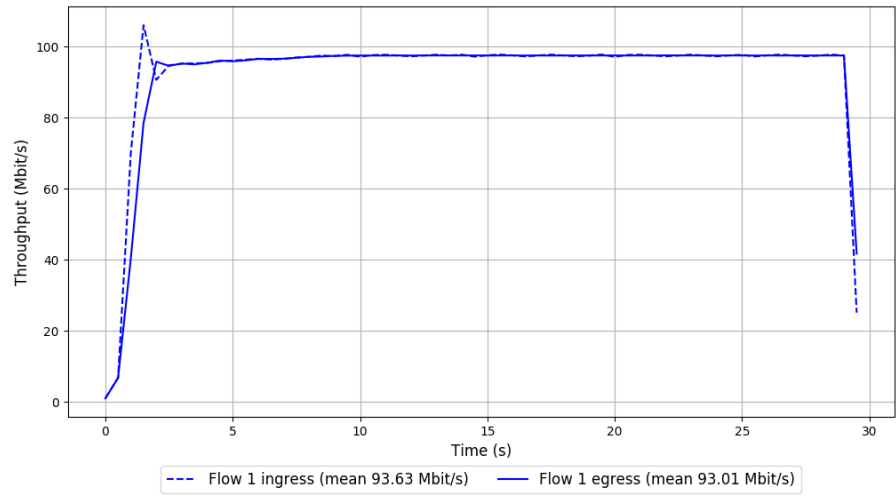
Run 5: Report of Indigo-1-32 — Data Link

```
Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 03:50:59
End at: 2018-02-16 03:51:29
Local clock offset: -4.302 ms
Remote clock offset: -4.783 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 85.571 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 85.571 ms
Loss rate: 0.66%
```
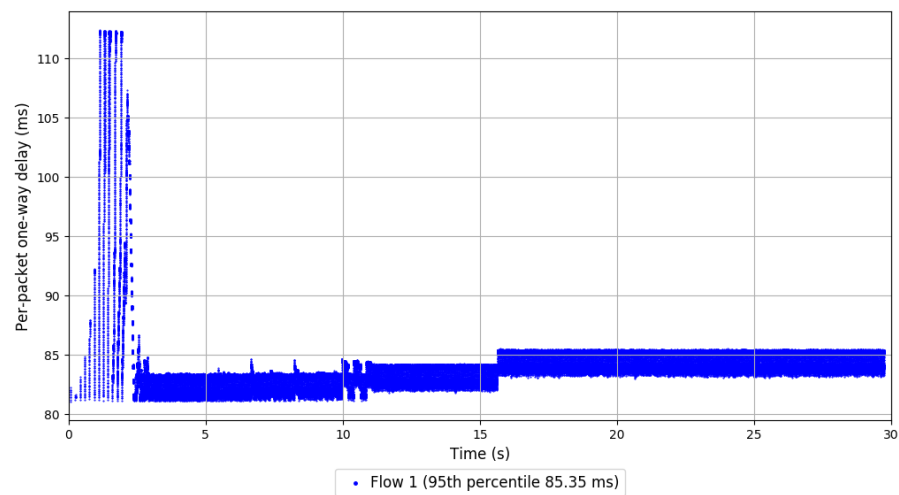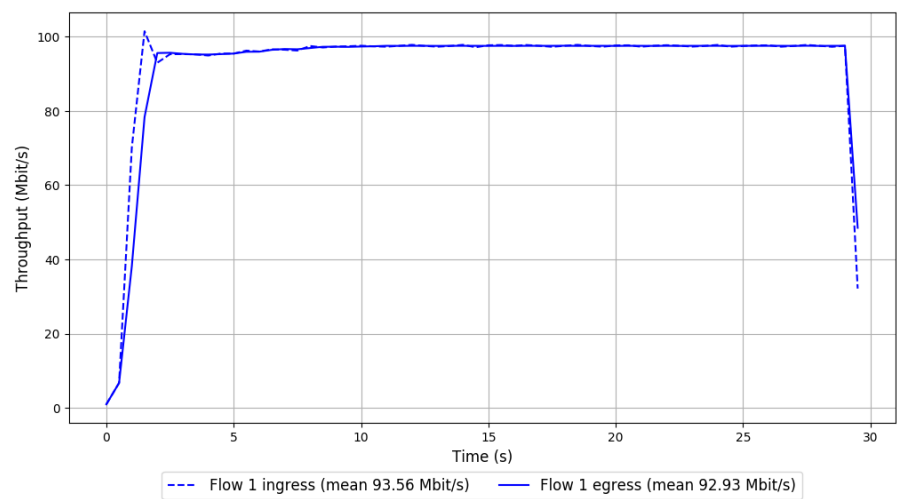
Run 6: Report of Indigo-1-32 — Data Link

```
Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 04:13:02
End at: 2018-02-16 04:13:32
Local clock offset: -5.209 ms
Remote clock offset: -4.843 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 85.348 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 85.348 ms
Loss rate: 0.65%
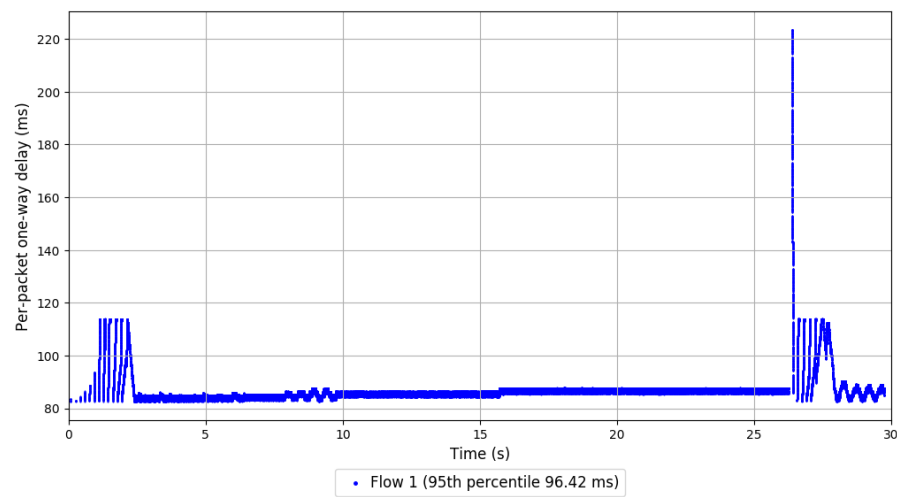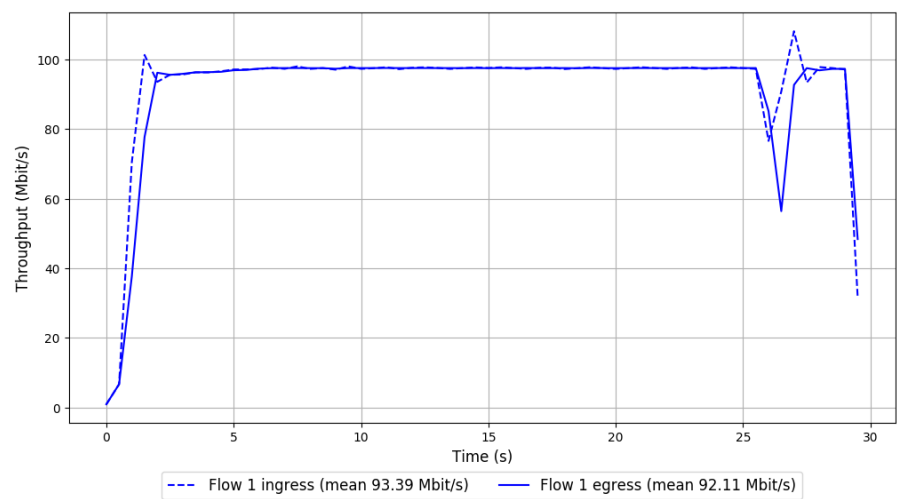```

Run 7: Report of Indigo-1-32 — Data Link

```
Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 04:35:05
End at: 2018-02-16 04:35:35
Local clock offset: -5.503 ms
Remote clock offset: -3.849 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 96.422 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 96.422 ms
Loss rate: 1.37%
```

Run 8: Report of Indigo-1-32 — Data Link

```
Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 04:57:10
End at: 2018-02-16 04:57:40
Local clock offset: -4.163 ms
Remote clock offset: 0.275 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 93.906 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 93.906 ms
Loss rate: 0.54%
```
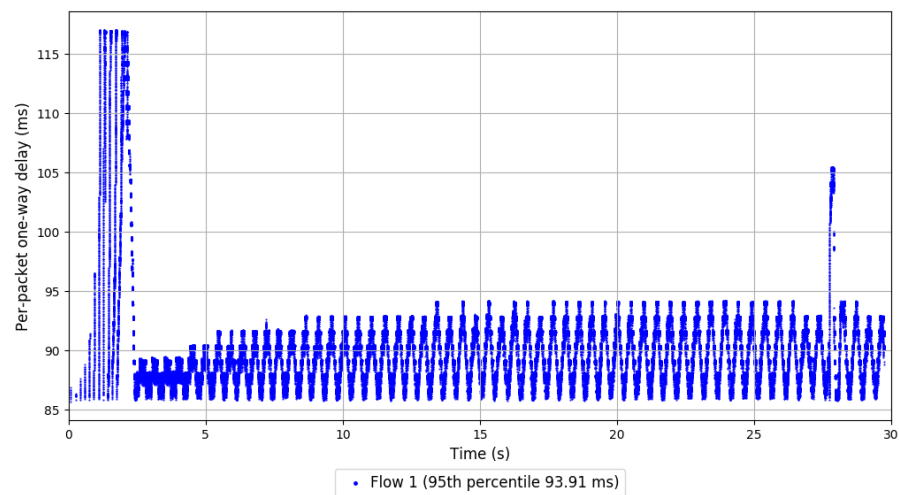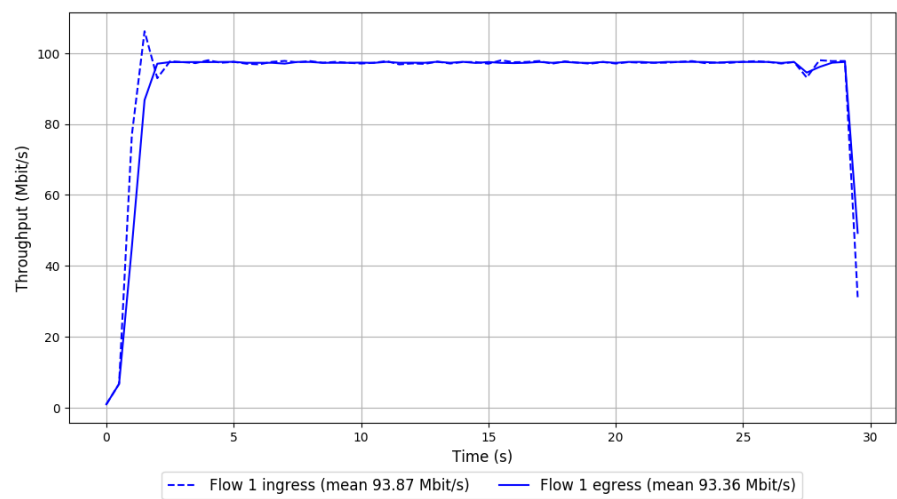
Run 9: Report of Indigo-1-32 — Data Link

```
Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 05:19:31
End at: 2018-02-16 05:20:01
Local clock offset: -4.026 ms
Remote clock offset: 1.309 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 93.535 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 93.535 ms
Loss rate: 0.66%
```
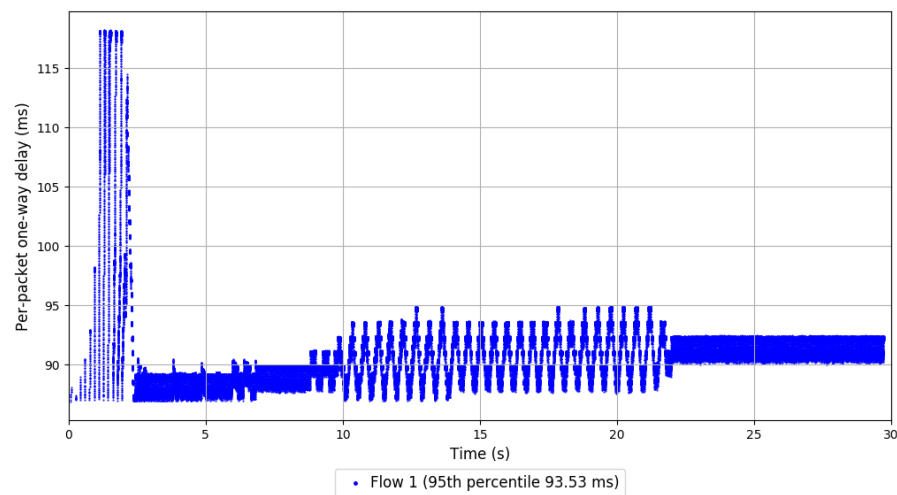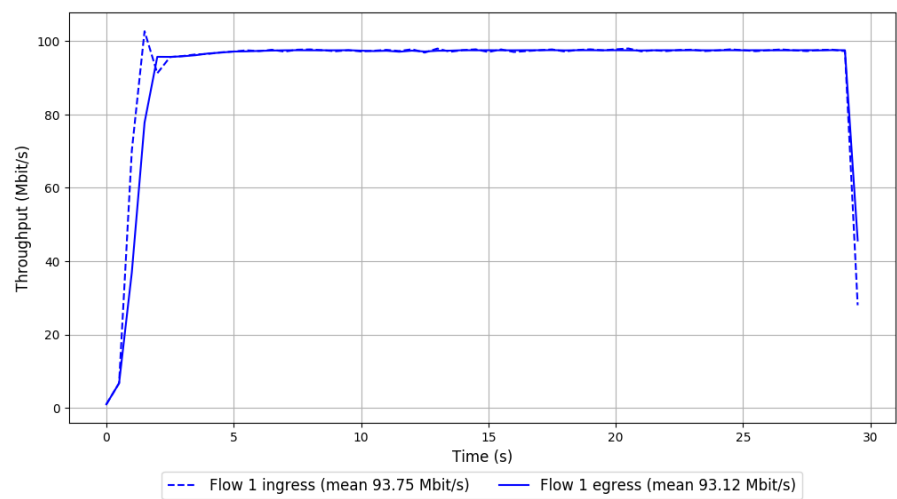
Run 10: Report of Indigo-1-32 — Data Link

```
Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 01:42:38
End at: 2018-02-16 01:43:08
Local clock offset: 7.063 ms
Remote clock offset: 0.532 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 87.650 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 87.650 ms
Loss rate: 0.03%
```
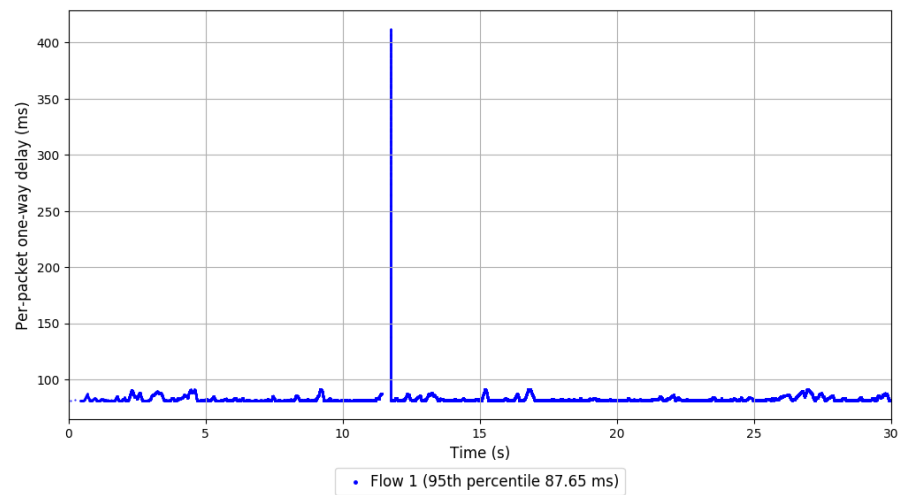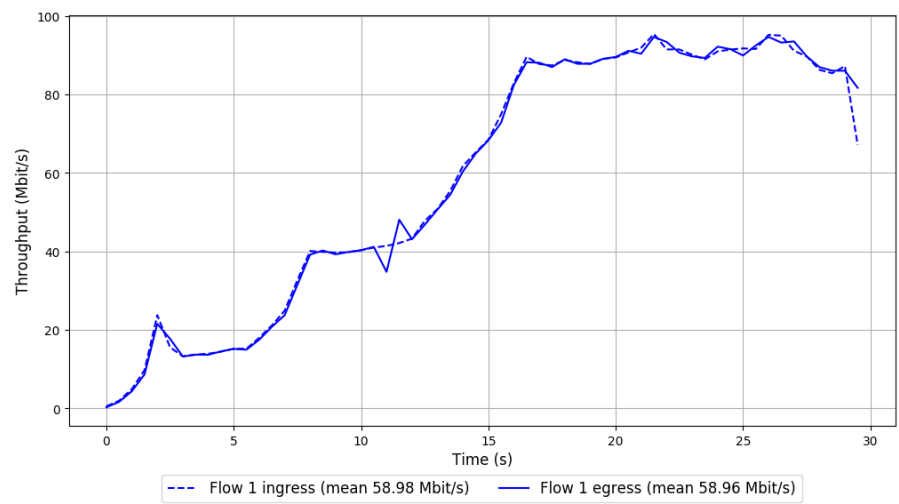
Run 1: Report of Vivace-latency — Data Link

```
Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 02:04:30
End at: 2018-02-16 02:05:00
Local clock offset: -1.31 ms
Remote clock offset: 7.354 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.54 Mbit/s
95th percentile per-packet one-way delay: 94.594 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 71.54 Mbit/s
95th percentile per-packet one-way delay: 94.594 ms
Loss rate: 0.07%
```
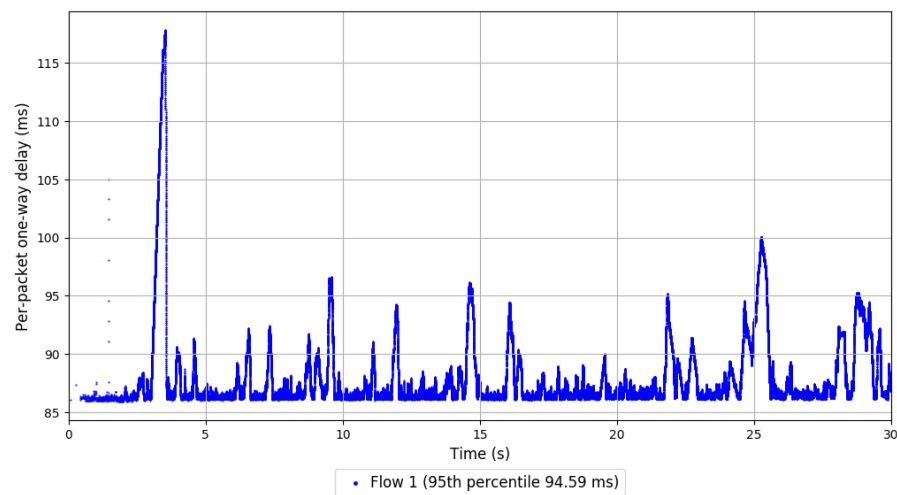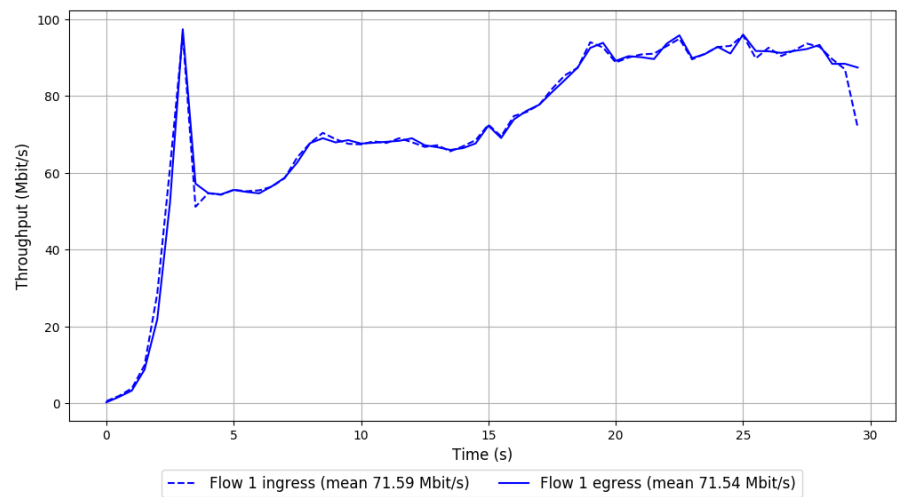
Run 2: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 71.59 Mbit/s) --- Flow 1 egress (mean 71.54 Mbit/s)
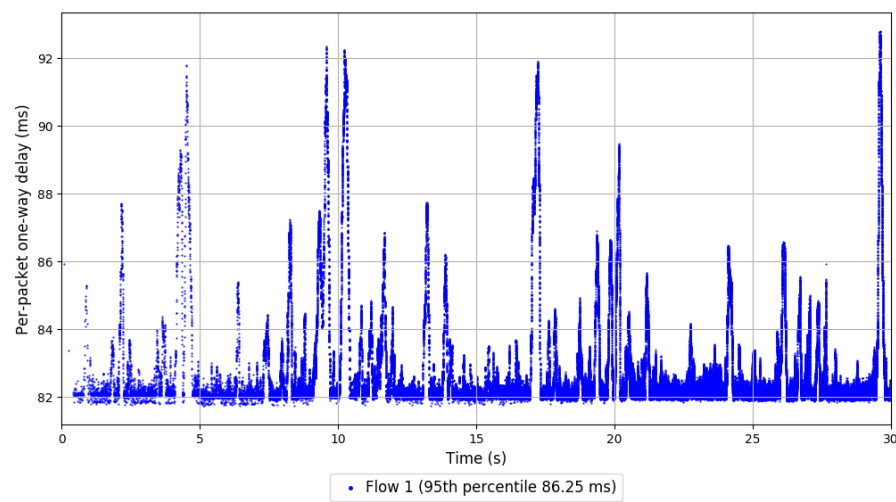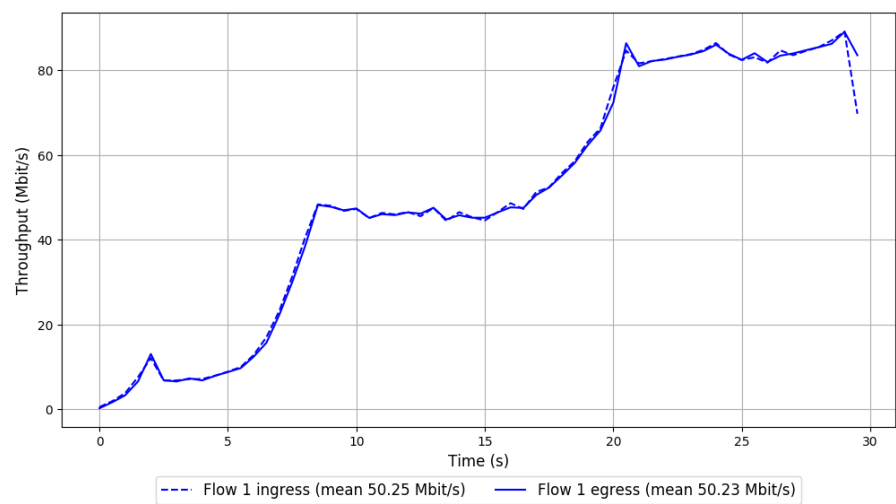

Flow 1 (95th percentile 94.59 ms)

```
Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 02:26:30
End at: 2018-02-16 02:27:00
Local clock offset: -3.401 ms
Remote clock offset: 4.835 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 86.254 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 86.254 ms
Loss rate: 0.05%
```

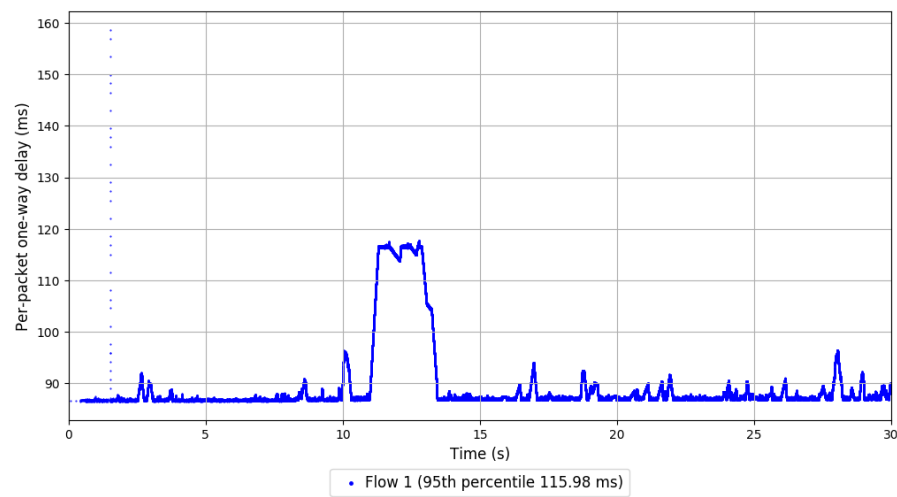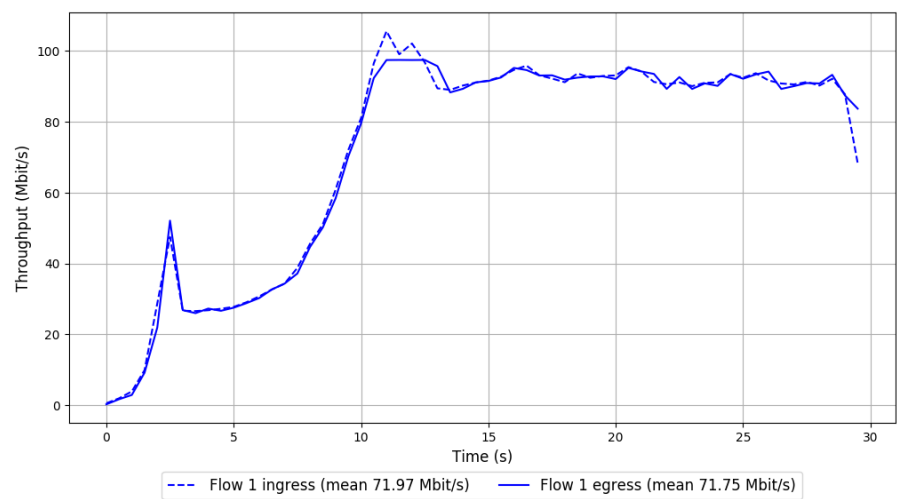Run 3: Report of Vivace-latency — Data Link

Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 02:48:32
End at: 2018-02-16 02:49:02
Local clock offset: -4.217 ms
Remote clock offset: 1.896 ms

Below is generated by plot.py at 2018-02-16 06:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 115.976 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 115.976 ms
Loss rate: 0.30%

Run 4: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 71.97 Mbit/s) ----- Flow 1 egress (mean 71.75 Mbit/s)
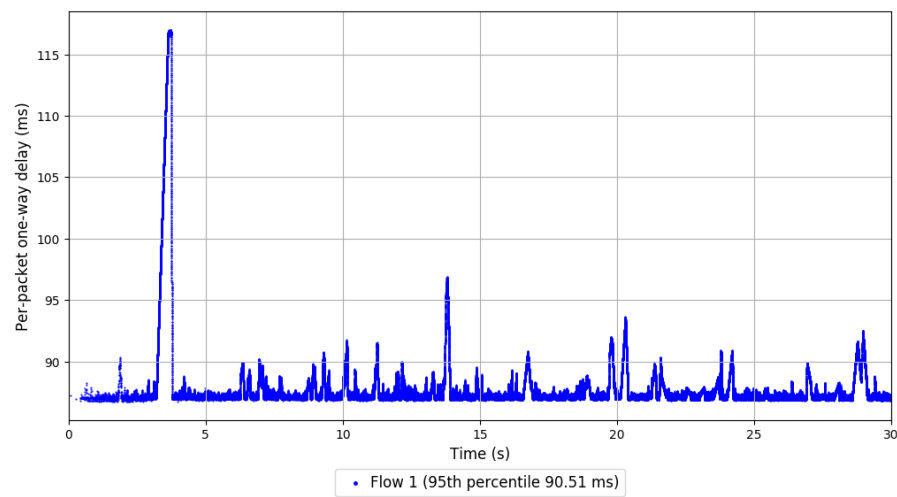

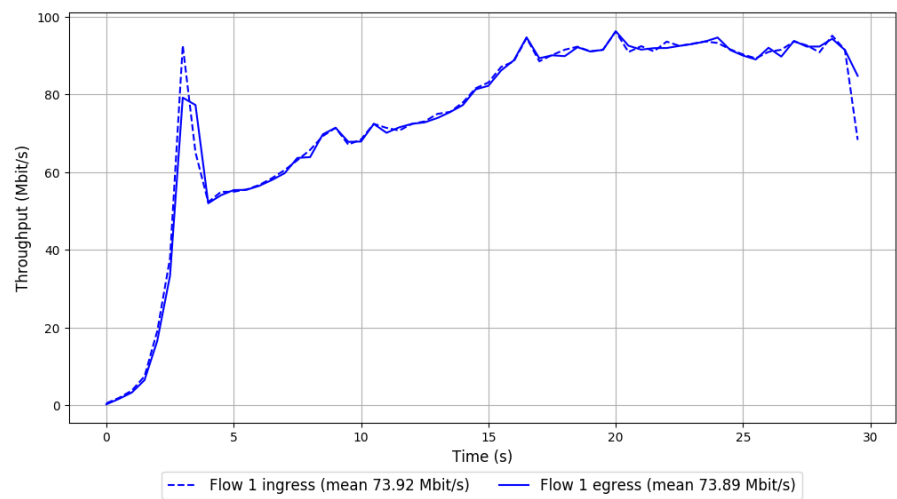
• Flow 1 (95th percentile 115.98 ms)

```
Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 03:10:36
End at: 2018-02-16 03:11:06
Local clock offset: -5.006 ms
Remote clock offset: -1.503 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.89 Mbit/s
95th percentile per-packet one-way delay: 90.509 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 73.89 Mbit/s
95th percentile per-packet one-way delay: 90.509 ms
Loss rate: 0.04%
```

Run 5: Report of Vivace-latency — Data Link

```
Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 03:32:38
End at: 2018-02-16 03:33:08
Local clock offset: -4.651 ms
Remote clock offset: 1.47 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 110.171 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 110.171 ms
Loss rate: 0.12%
```
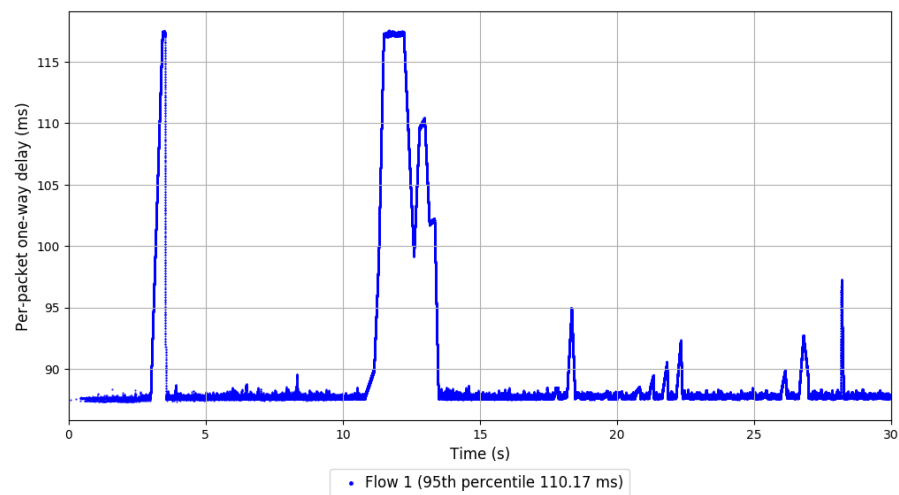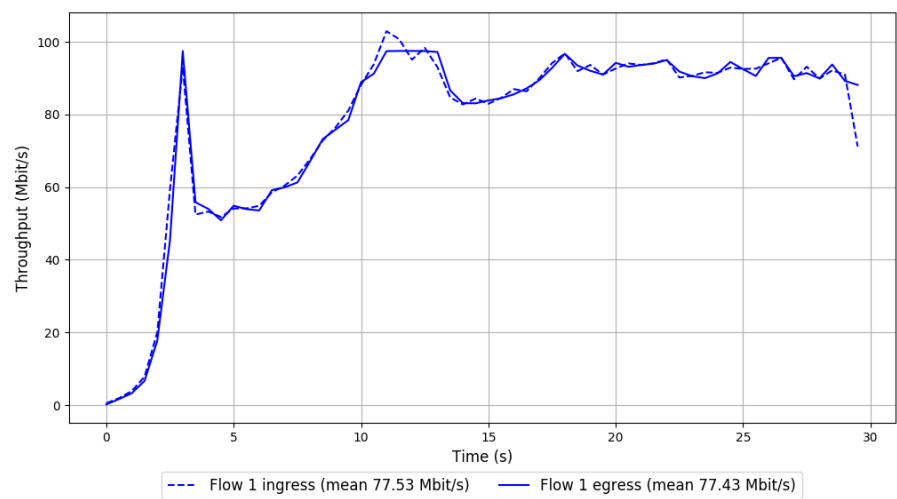
Run 6: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 77.53 Mbit/s)   Flow 1 egress (mean 77.43 Mbit/s)
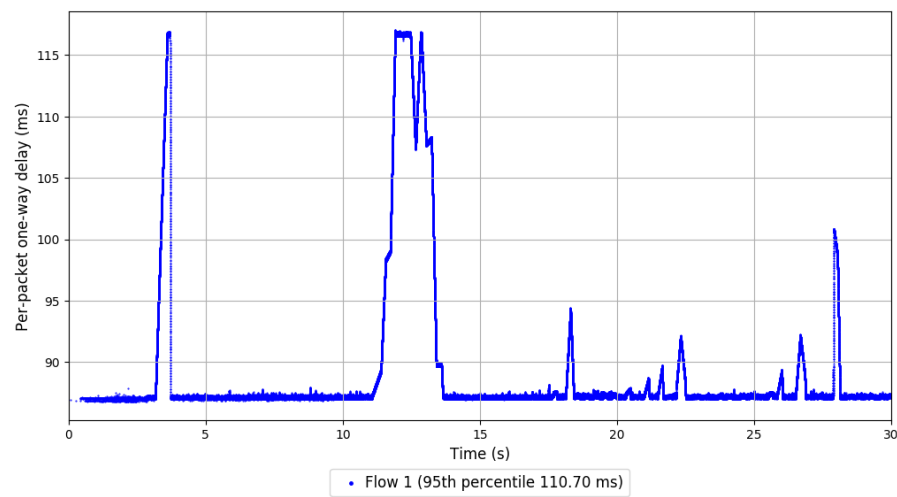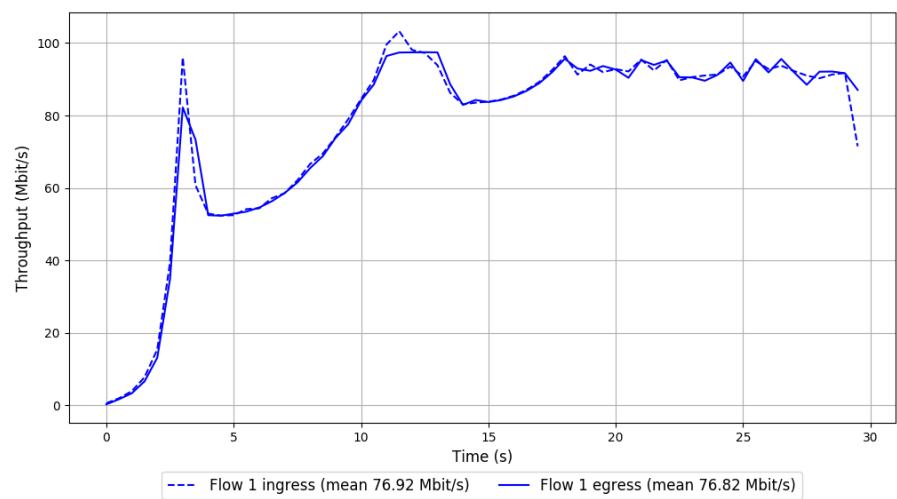

Flow 1 (95th percentile 110.17 ms)

```
Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 03:54:42
End at: 2018-02-16 03:55:12
Local clock offset: -4.279 ms
Remote clock offset: 0.869 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 110.696 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 110.696 ms
Loss rate: 0.13%
```

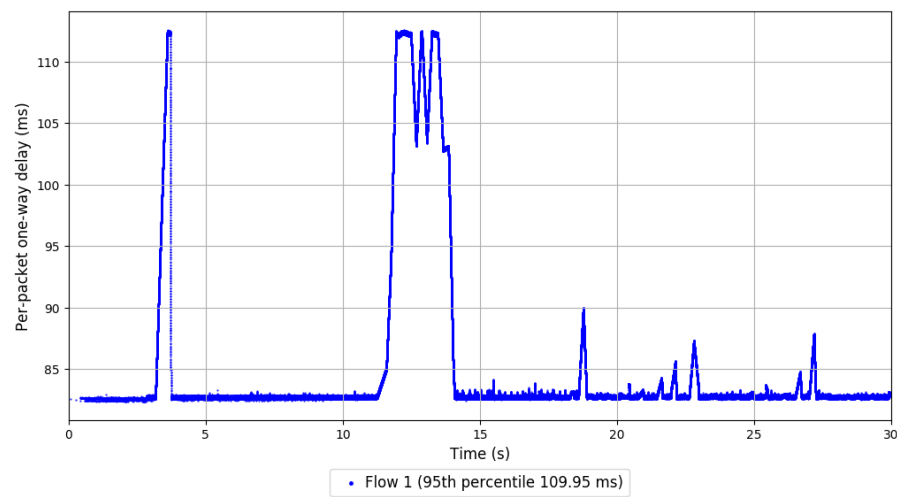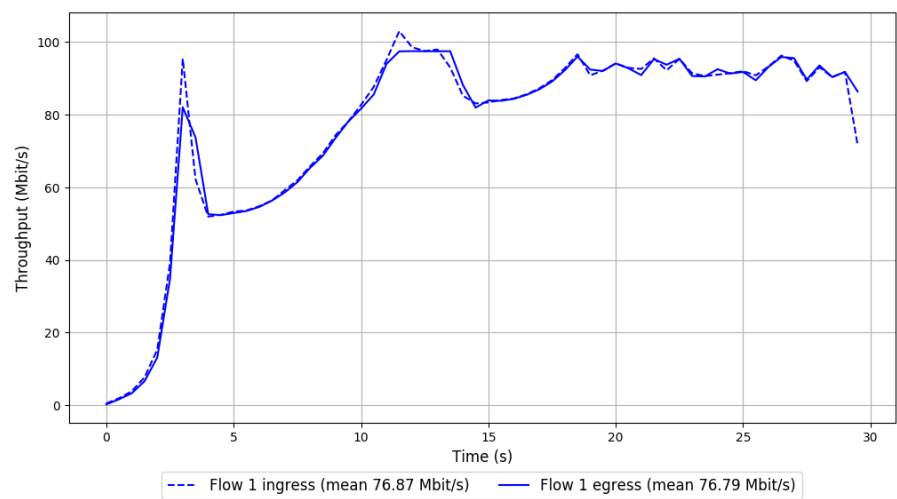Run 7: Report of Vivace-latency — Data Link

```
Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 04:16:42
End at: 2018-02-16 04:17:12
Local clock offset: -5.263 ms
Remote clock offset: -4.145 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 109.948 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 109.948 ms
Loss rate: 0.10%
```

Run 8: Report of Vivace-latency — Data Link

```
Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 04:38:46
End at: 2018-02-16 04:39:16
Local clock offset: -5.13 ms
Remote clock offset: 1.009 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 98.057 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 98.057 ms
Loss rate: 0.03%
```
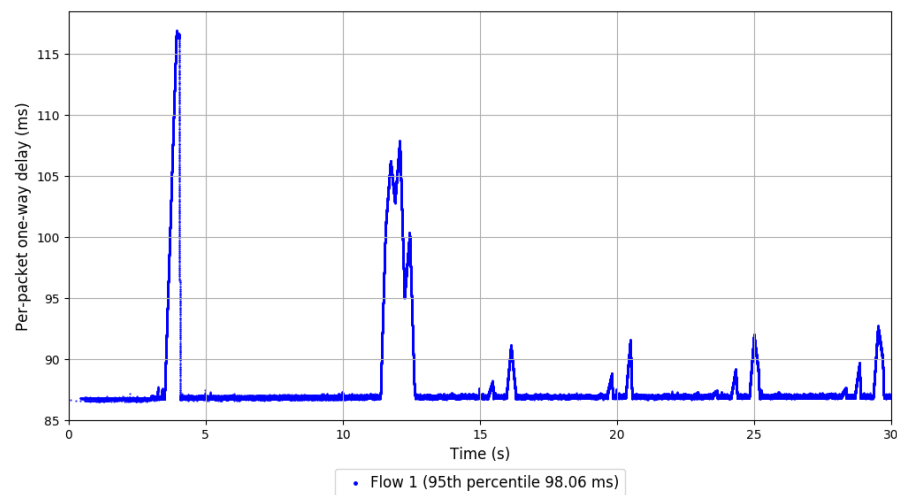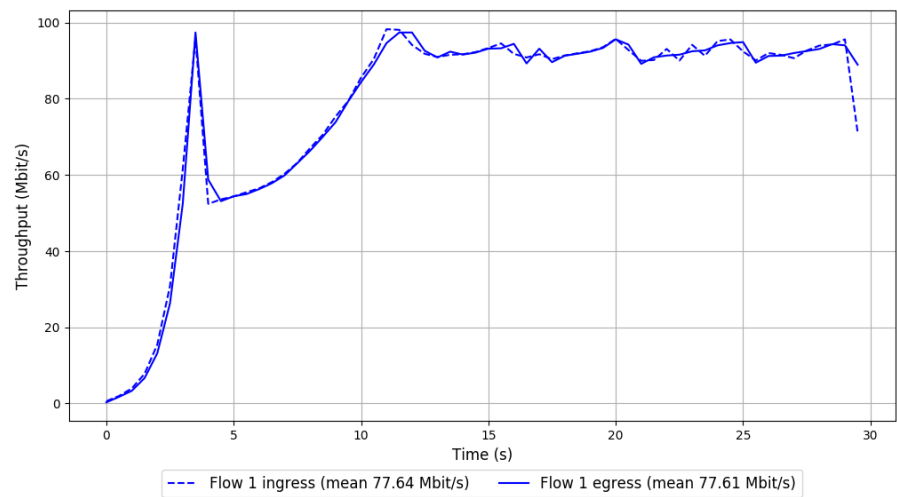
Run 9: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 77.64 Mbit/s) — — — Flow 1 egress (mean 77.61 Mbit/s)
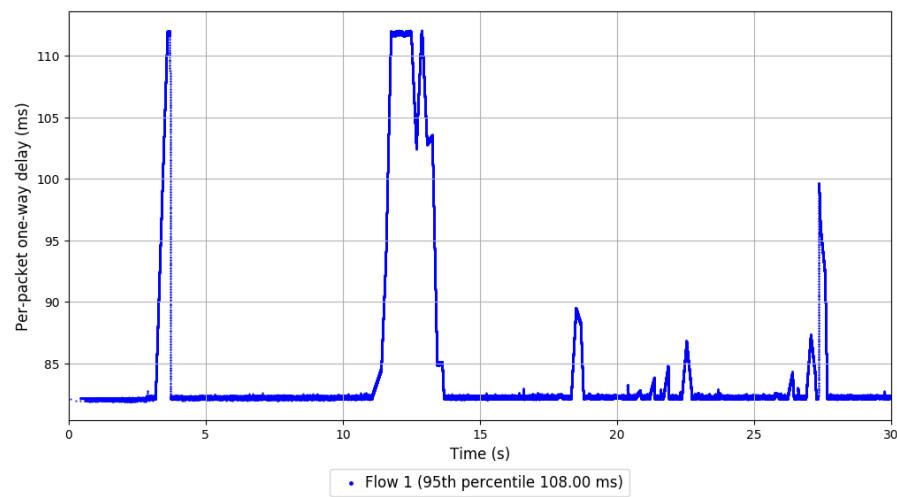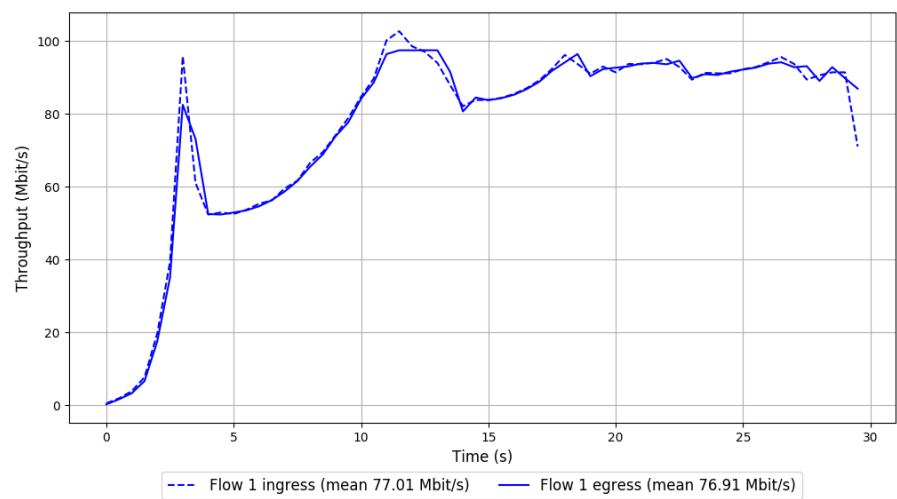

Flow 1 (95th percentile 98.06 ms)

```
Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 05:00:51
End at: 2018-02-16 05:01:21
Local clock offset: -4.07 ms
Remote clock offset: -3.616 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 107.996 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 107.996 ms
Loss rate: 0.13%
```

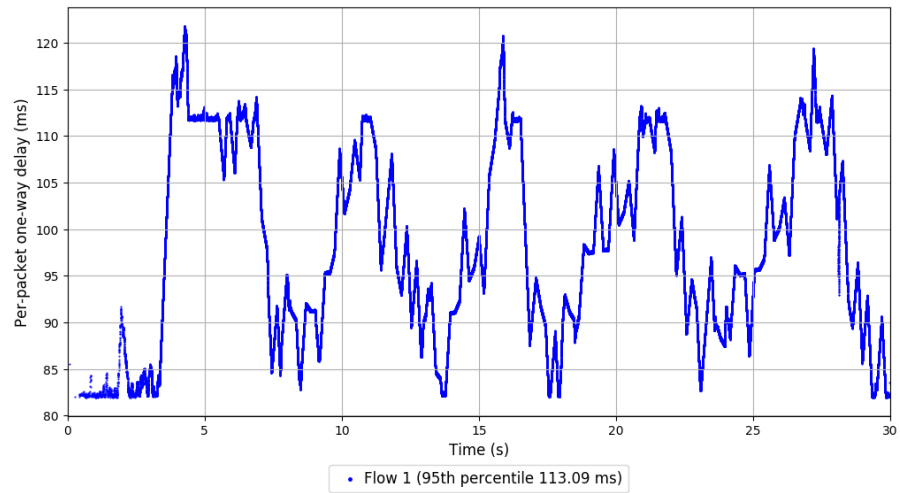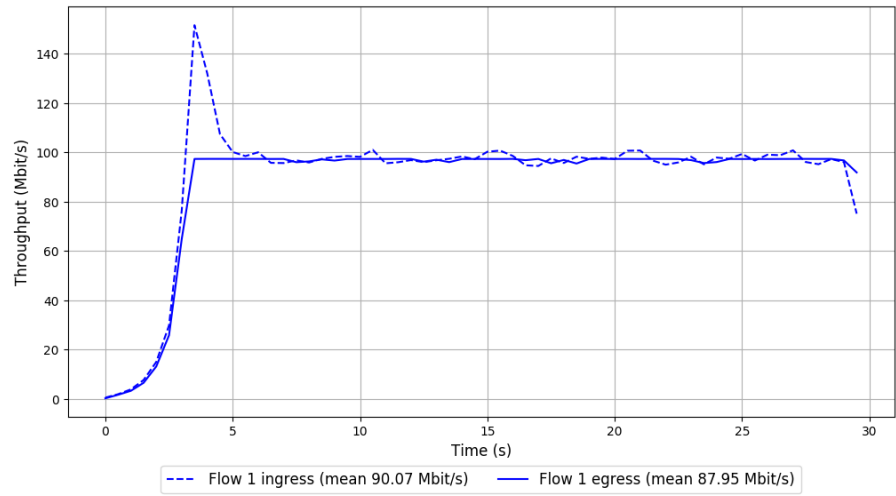Run 10: Report of Vivace-latency — Data Link

```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 01:52:19
End at: 2018-02-16 01:52:49
Local clock offset: 1.09 ms
Remote clock offset: 2.521 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 113.087 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 113.087 ms
Loss rate: 2.36%
```

Run 1: Report of Vivace-loss — Data Link

```
Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 02:14:16
End at: 2018-02-16 02:14:46
Local clock offset: -0.668 ms
Remote clock offset: 3.175 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 112.627 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 112.627 ms
Loss rate: 2.29%
```
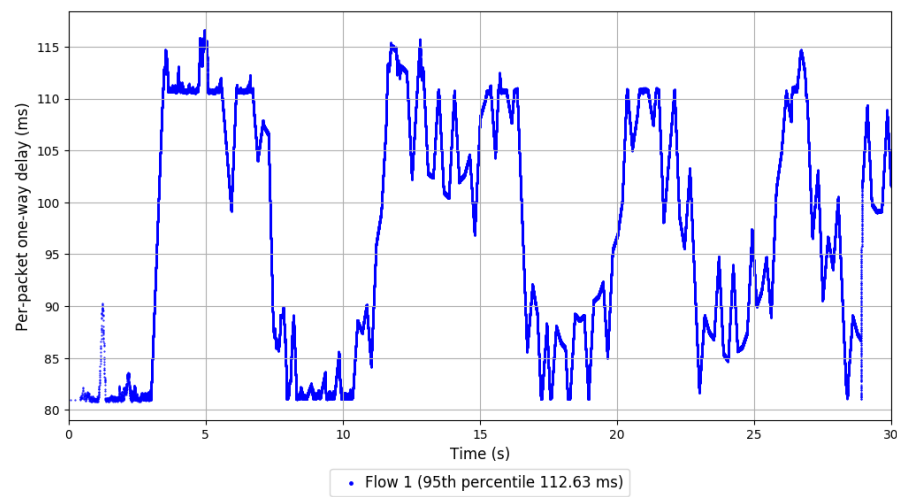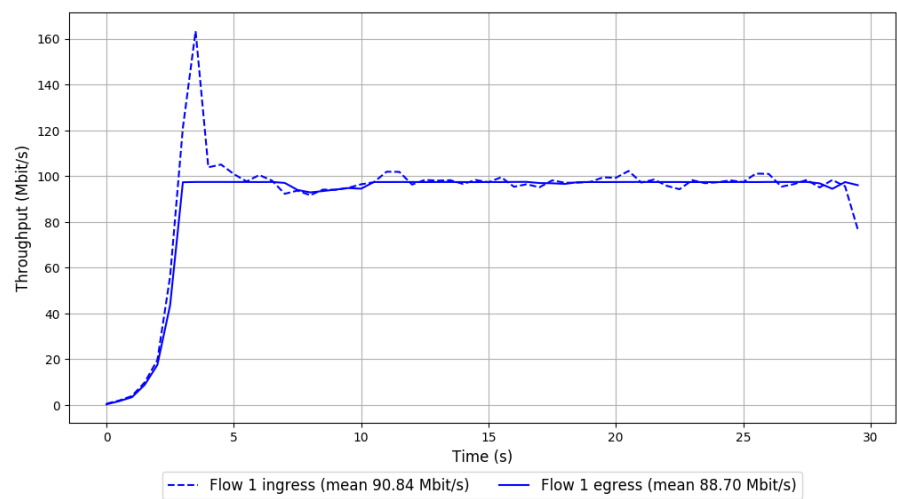
Run 2: Report of Vivace-loss — Data Link

```
Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 02:36:14
End at: 2018-02-16 02:36:44
Local clock offset: -4.326 ms
Remote clock offset: 8.683 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 116.561 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 116.561 ms
Loss rate: 2.53%
```
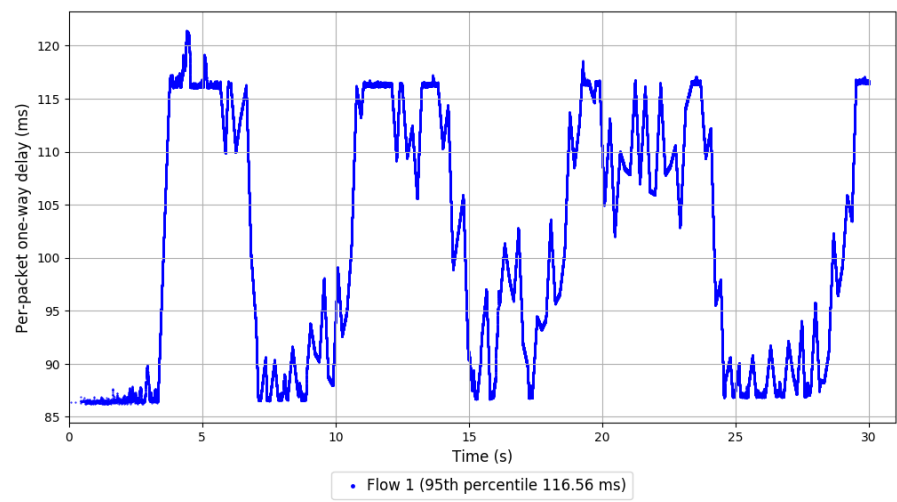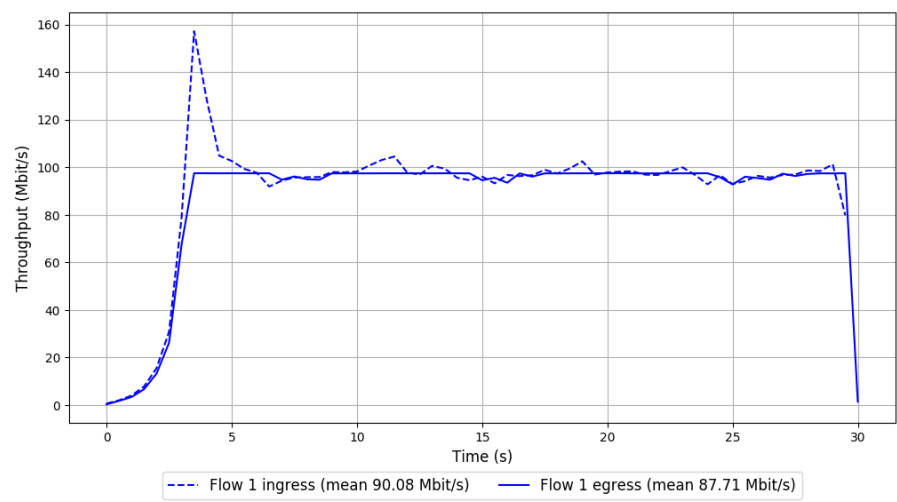
Run 3: Report of Vivace-loss — Data Link

```
Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 02:58:22
End at: 2018-02-16 02:58:52
Local clock offset: -4.662 ms
Remote clock offset: -5.847 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 111.106 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 111.106 ms
Loss rate: 2.18%
```
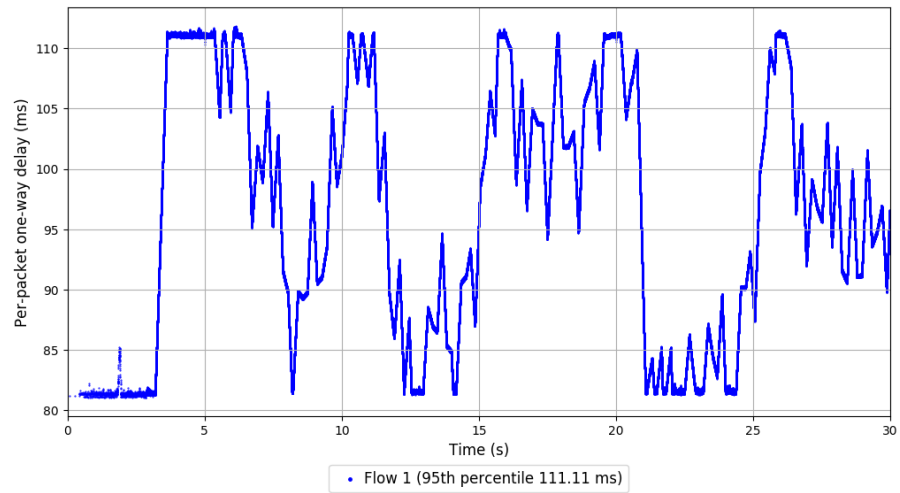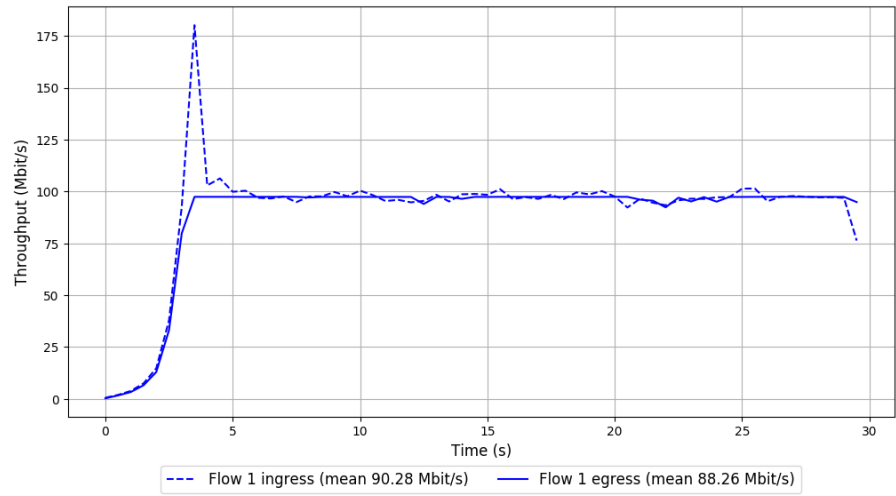
Run 4: Report of Vivace-loss — Data Link

```
Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 03:20:27
End at: 2018-02-16 03:20:57
Local clock offset: -4.869 ms
Remote clock offset: -0.557 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 116.277 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 116.277 ms
Loss rate: 2.36%
```
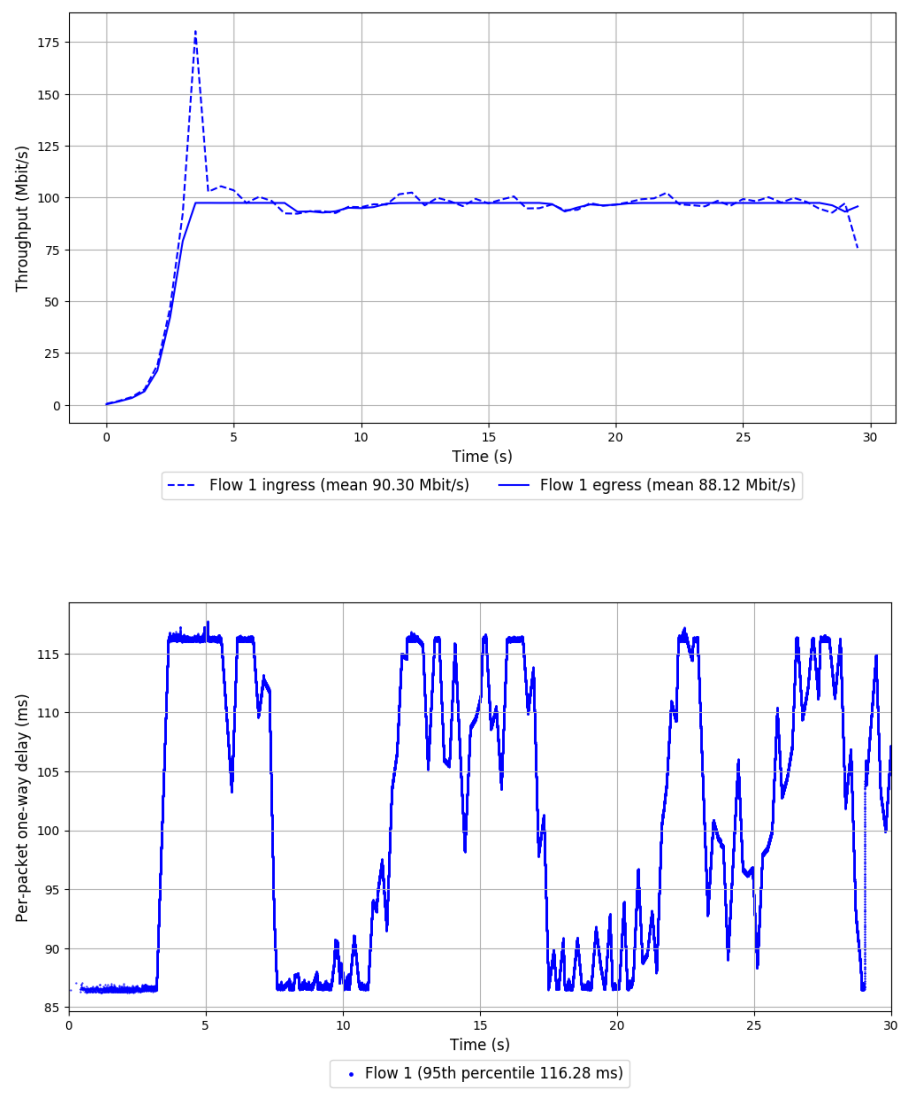
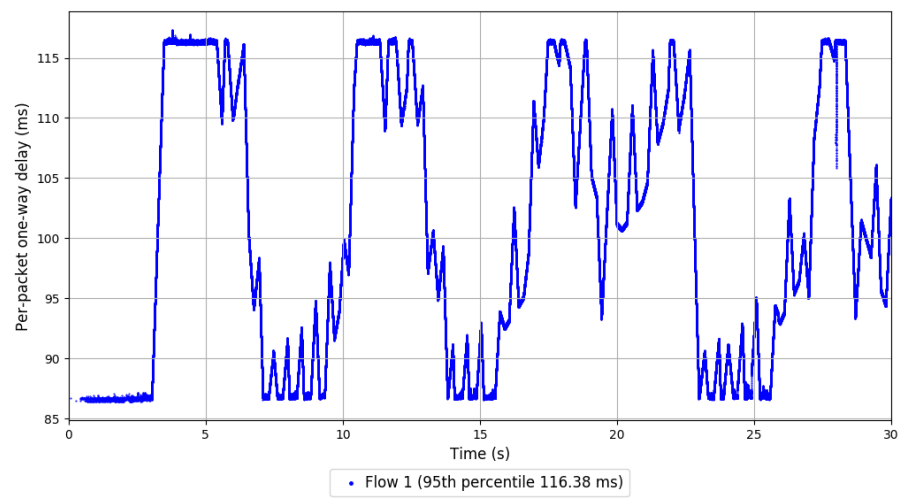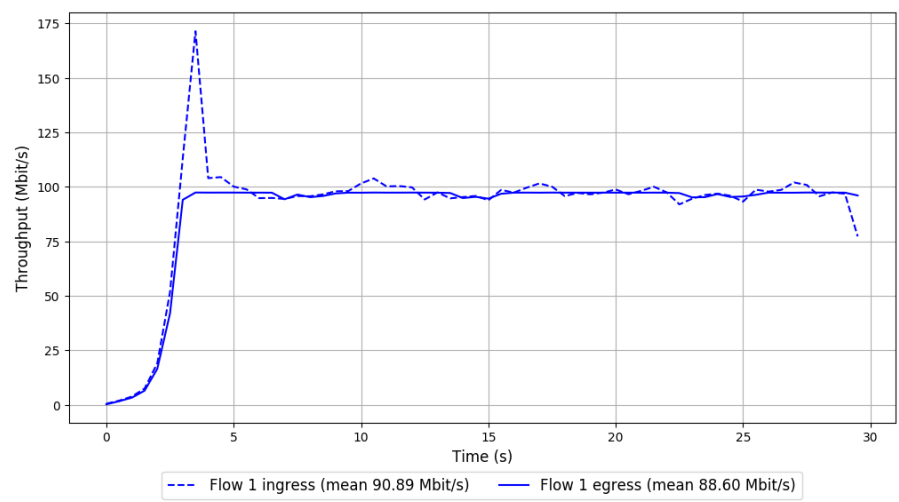Run 5: Report of Vivace-loss — Data Link

```
Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 03:42:27
End at: 2018-02-16 03:42:57
Local clock offset: -4.495 ms
Remote clock offset: -0.391 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 116.376 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 116.376 ms
Loss rate: 2.47%
```

Run 6: Report of Vivace-loss — Data Link

```
Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 04:04:31
End at: 2018-02-16 04:05:01
Local clock offset: -4.522 ms
Remote clock offset: 0.919 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 116.723 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 116.723 ms
Loss rate: 2.51%
```
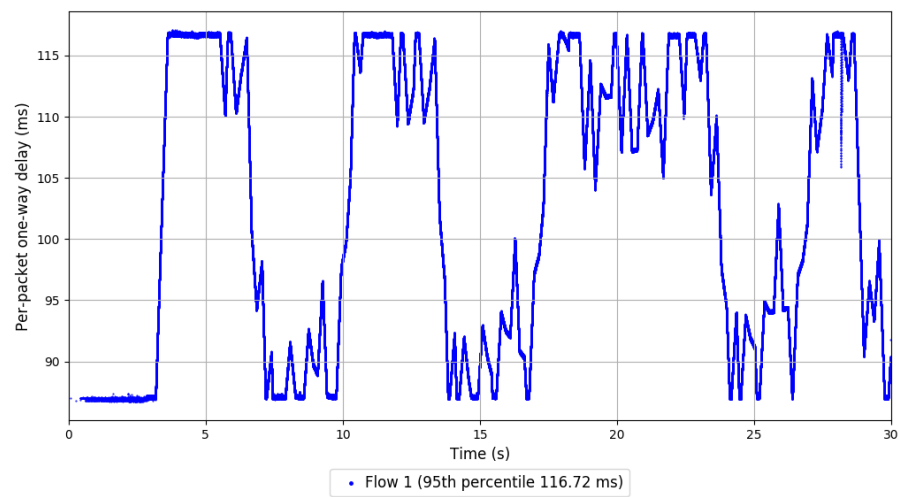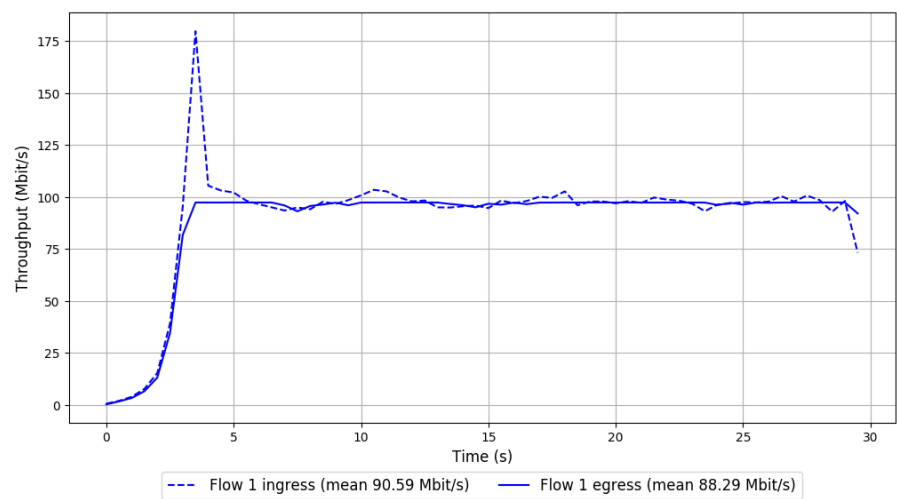
Run 7: Report of Vivace-loss — Data Link

```
Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 04:26:32
End at: 2018-02-16 04:27:02
Local clock offset: -5.462 ms
Remote clock offset: -3.946 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 112.107 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 112.107 ms
Loss rate: 2.44%
```
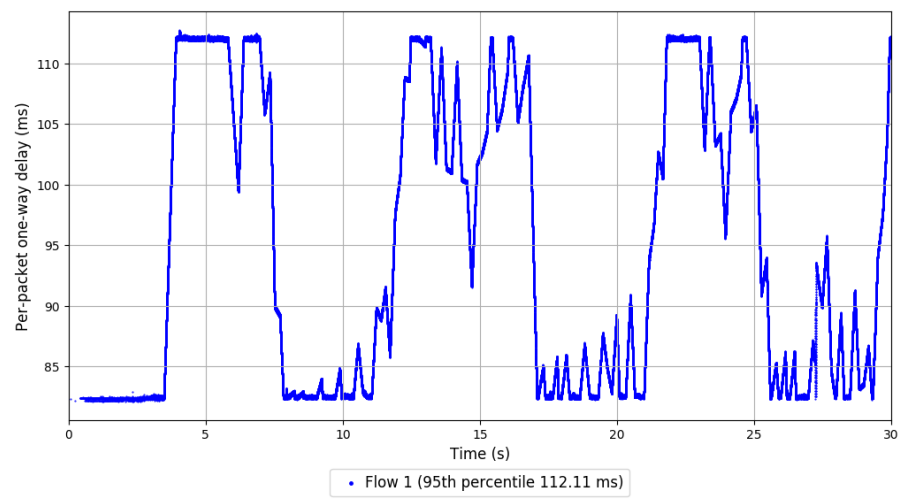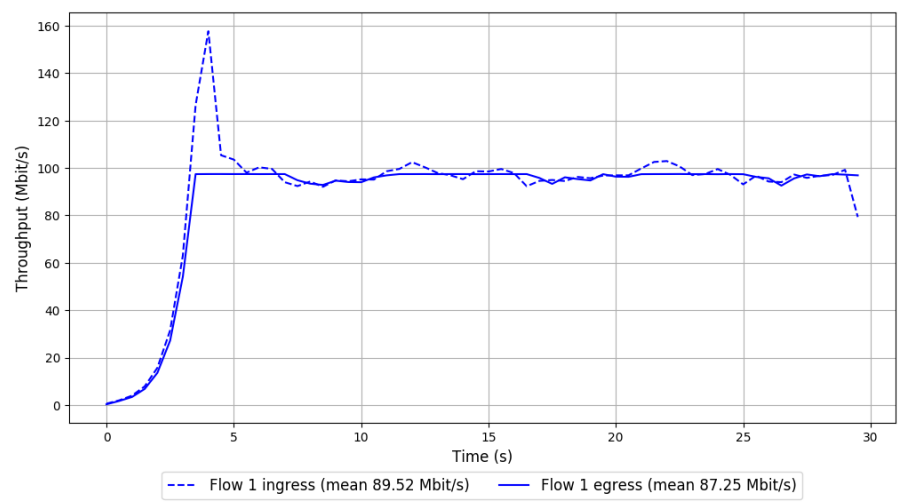
Run 8: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 89.52 Mbit/s) --- Flow 1 egress (mean 87.25 Mbit/s)

• Flow 1 (95th percentile 112.11 ms)

```
Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 04:48:38
End at: 2018-02-16 04:49:08
Local clock offset: -4.486 ms
Remote clock offset: -3.88 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 112.029 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 112.029 ms
Loss rate: 2.29%
```
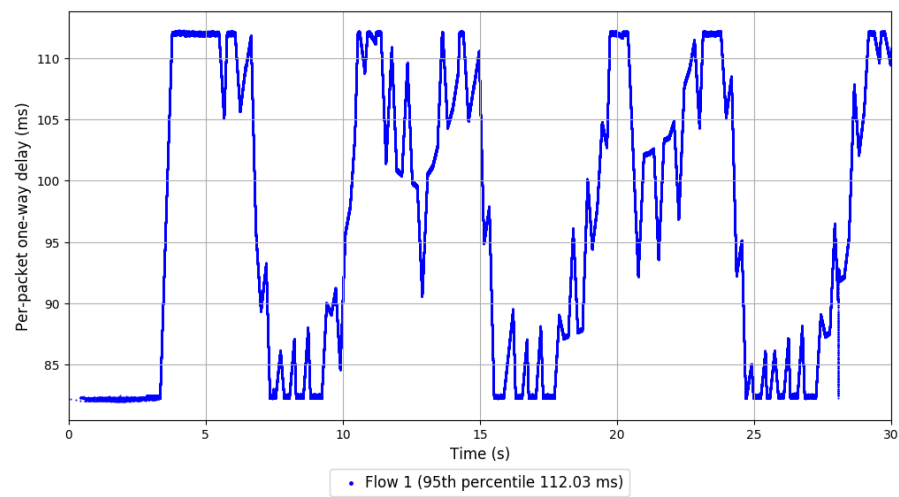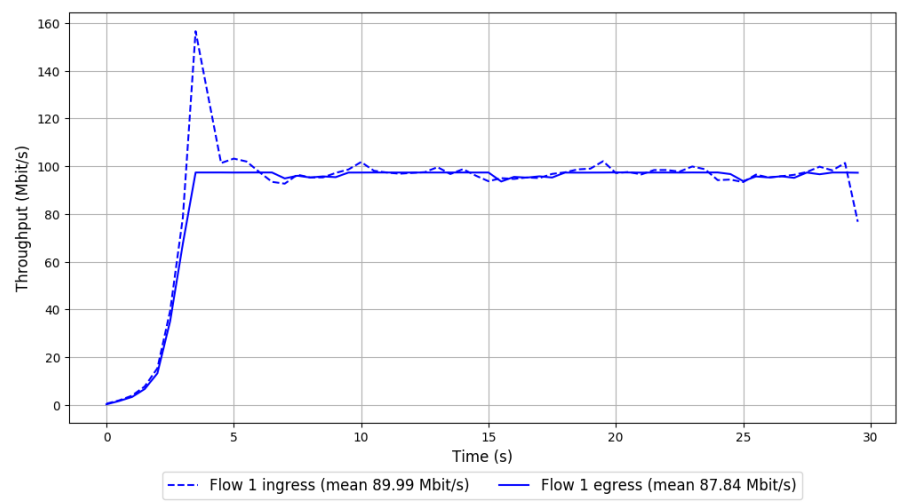
Run 9: Report of Vivace-loss — Data Link

```
Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 05:11:00
End at: 2018-02-16 05:11:30
Local clock offset: -3.955 ms
Remote clock offset: -3.546 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 111.580 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 111.580 ms
Loss rate: 2.32%
```
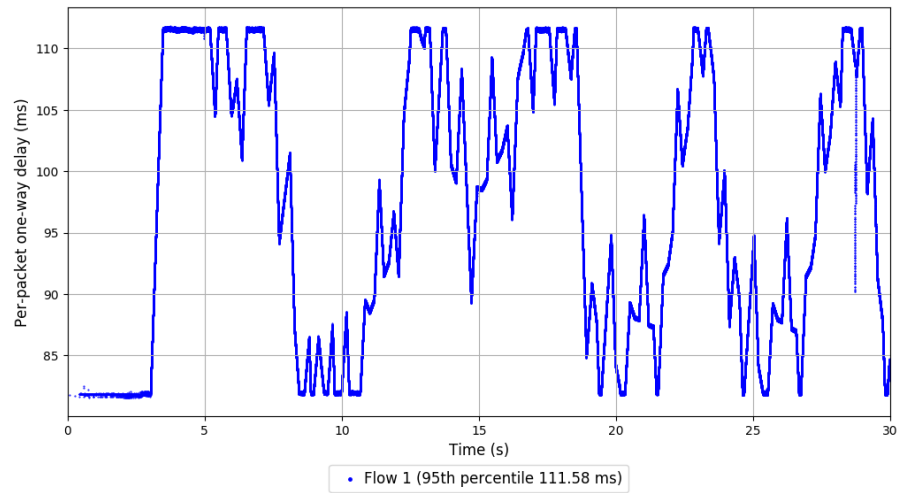
Run 10: Report of Vivace-loss — Data Link

```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 01:58:19
End at: 2018-02-16 01:58:49
Local clock offset: -0.821 ms
Remote clock offset: 2.081 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 111.479 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 111.479 ms
Loss rate: 1.96%
```
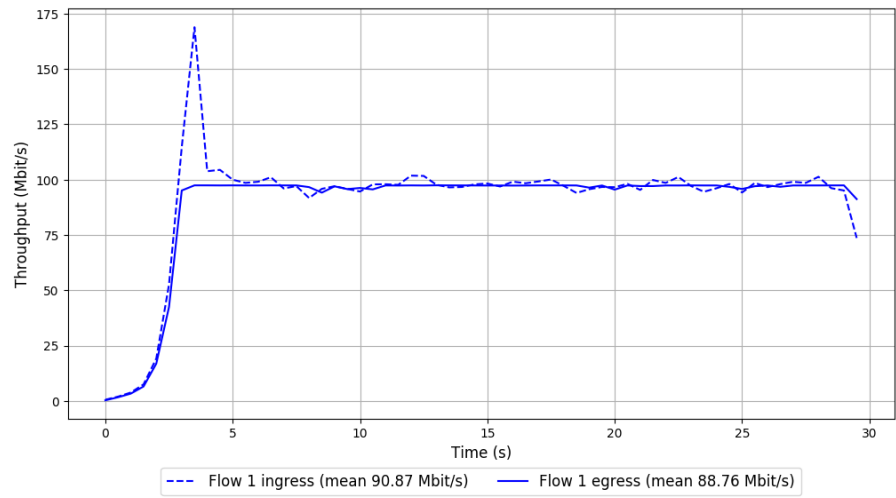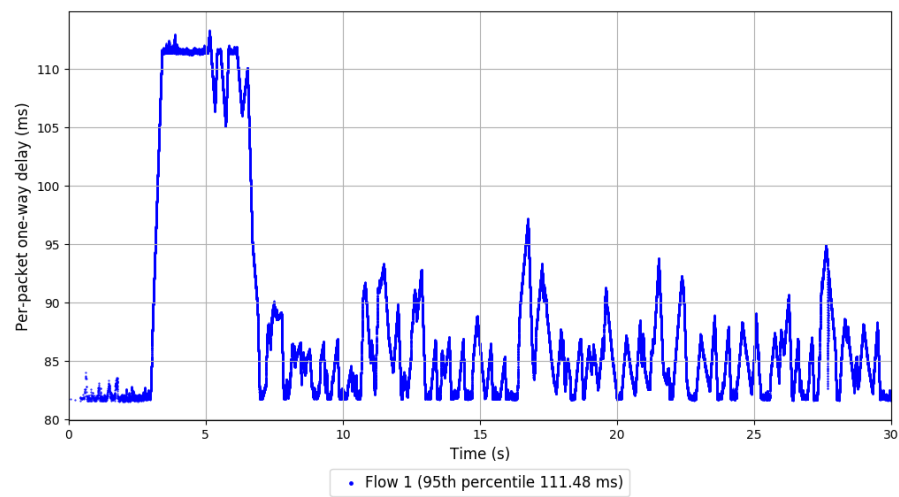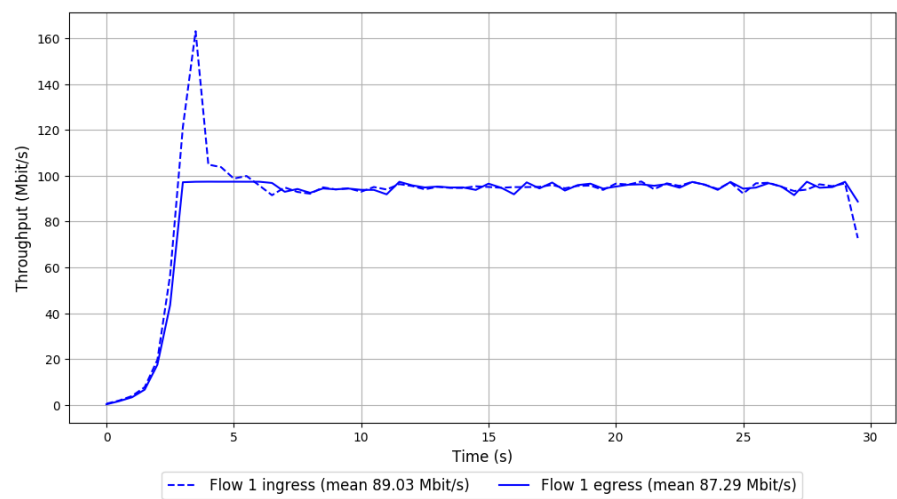
Run 1: Report of Vivace-LTE — Data Link

```
Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 02:20:18
End at: 2018-02-16 02:20:48
Local clock offset: -1.242 ms
Remote clock offset: 9.317 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 116.626 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 116.626 ms
Loss rate: 2.02%
```
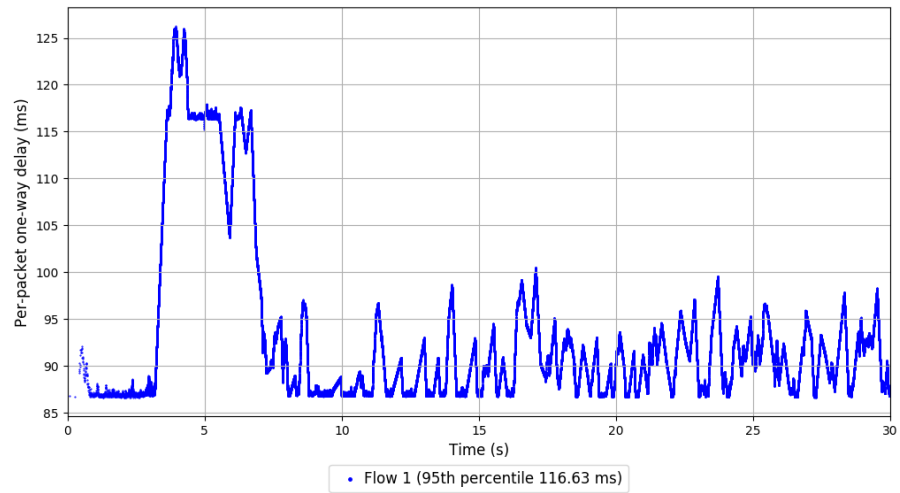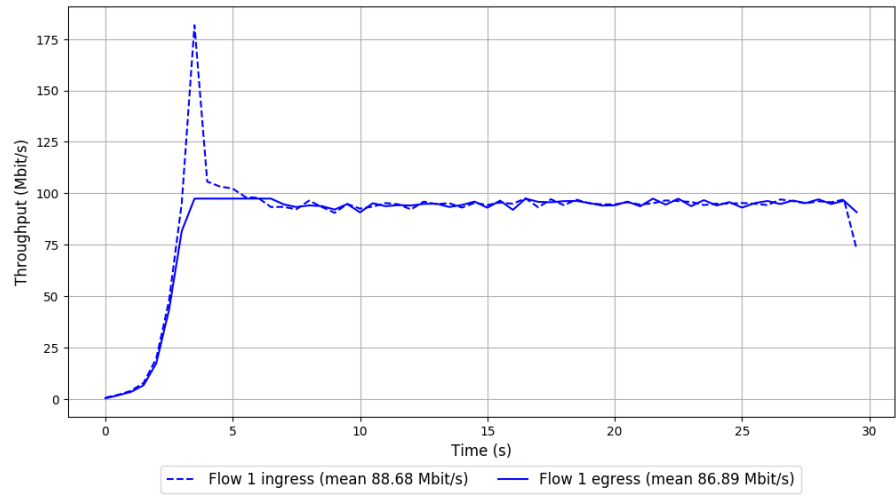
Run 2: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.68 Mbit/s) — — — Flow 1 egress (mean 86.89 Mbit/s)

Flow 1 (95th percentile 116.63 ms)

```
Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 02:42:16
End at: 2018-02-16 02:42:46
Local clock offset: -4.399 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 113.095 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 113.095 ms
Loss rate: 2.01%
```
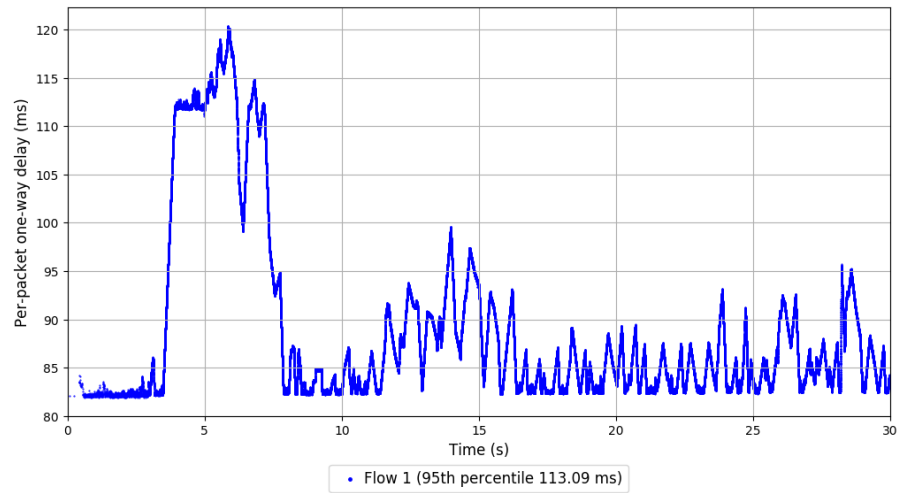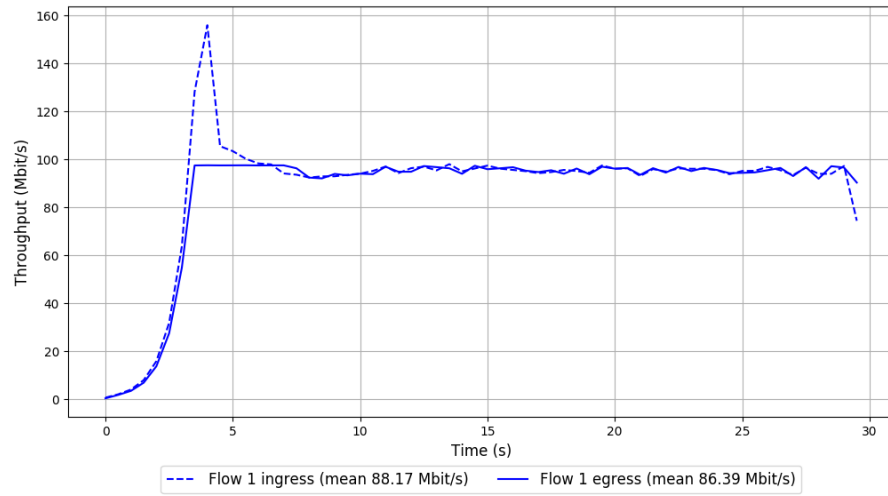
Run 3: Report of Vivace-LTE — Data Link

```
Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 03:04:24
End at: 2018-02-16 03:04:54
Local clock offset: -4.98 ms
Remote clock offset: -0.32 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 117.606 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 117.606 ms
Loss rate: 1.94%
```
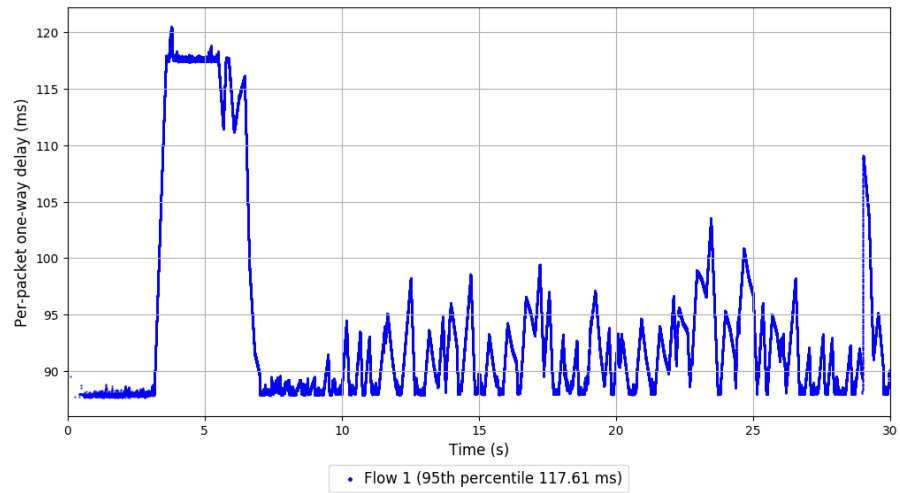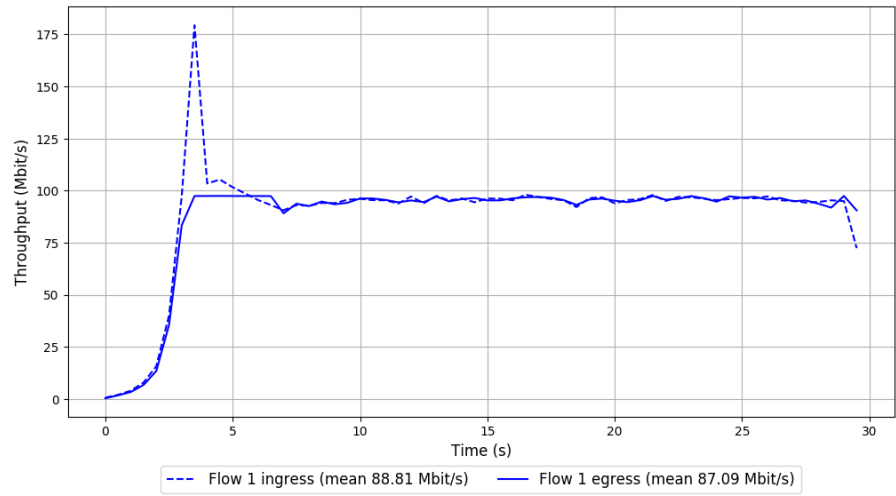
Run 4: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.81 Mbit/s) --- Flow 1 egress (mean 87.09 Mbit/s)

• Flow 1 (95th percentile 117.61 ms)

```
Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 03:26:28
End at: 2018-02-16 03:26:58
Local clock offset: -4.663 ms
Remote clock offset: -5.149 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 110.733 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 110.733 ms
Loss rate: 1.94%
```

Run 5: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.73 Mbit/s) — — — Flow 1 egress (mean 86.95 Mbit/s)
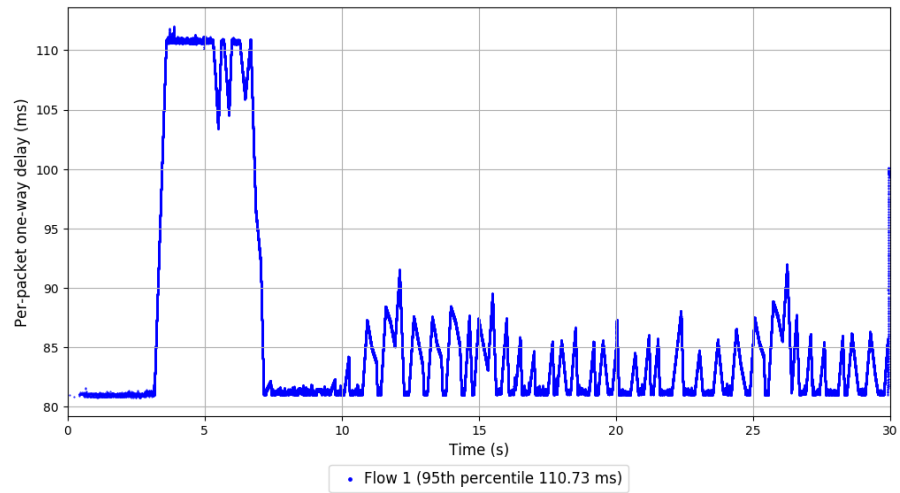

• Flow 1 (95th percentile 110.73 ms)

```
Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 03:48:29
End at: 2018-02-16 03:48:59
Local clock offset: -4.366 ms
Remote clock offset: 1.569 ms


# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 117.509 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 117.509 ms
Loss rate: 1.93%
```
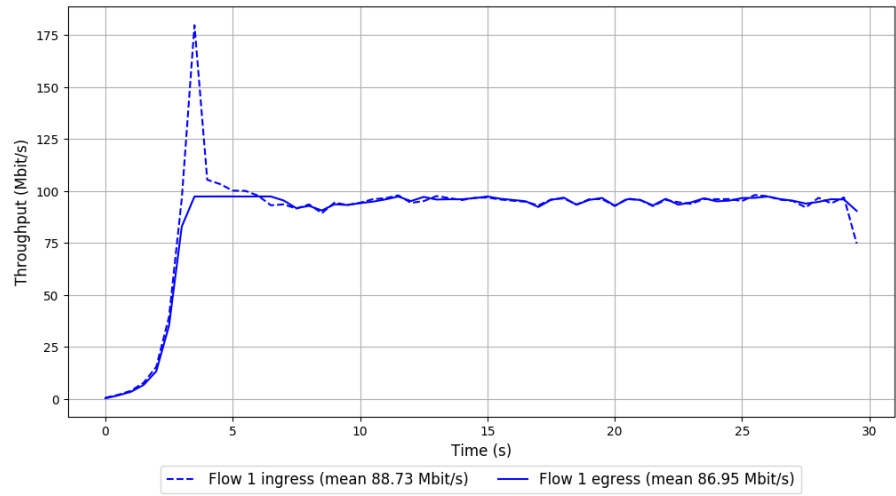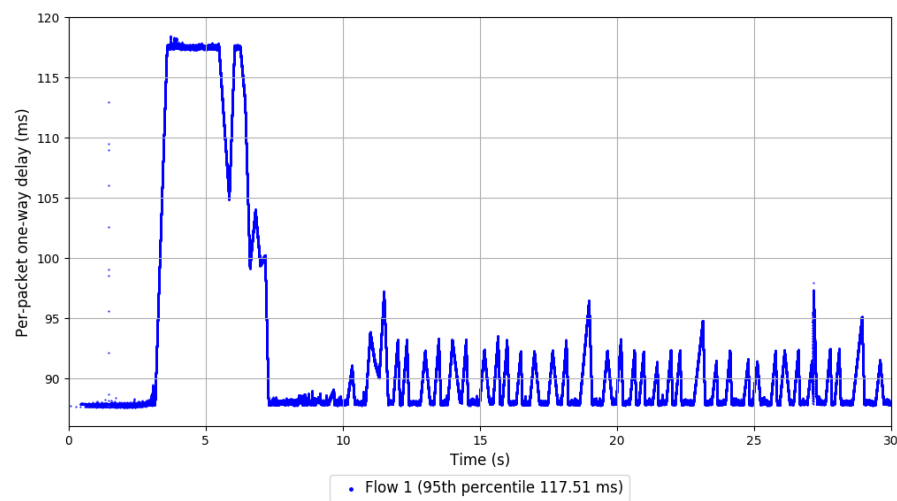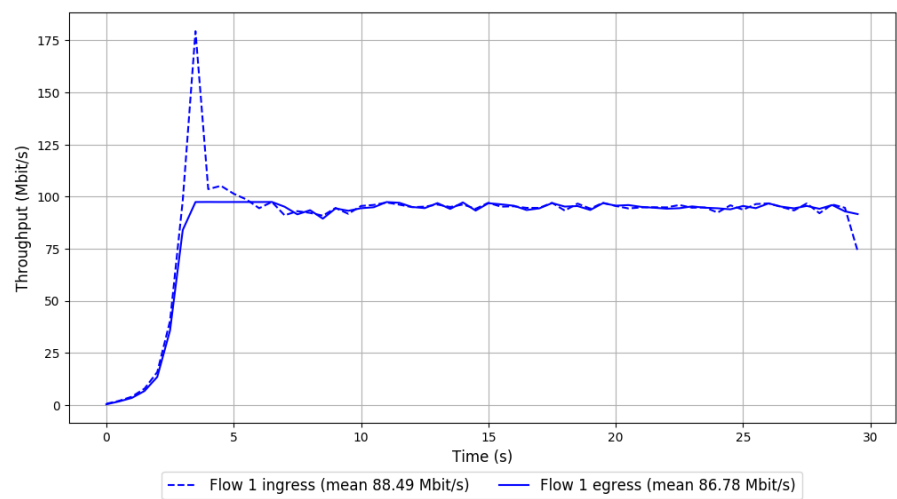
Run 6: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.49 Mbit/s) — — —   Flow 1 egress (mean 86.78 Mbit/s) ———

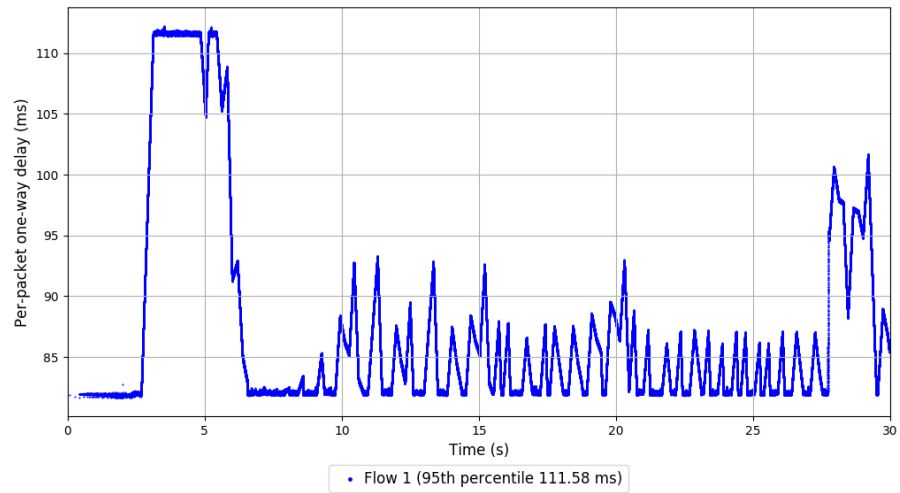
• Flow 1 (95th percentile 117.51 ms)

```
Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 04:10:32
End at: 2018-02-16 04:11:02
Local clock offset: -5.086 ms
Remote clock offset: -4.006 ms

# Below is generated by plot.py at 2018-02-16 06:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 111.576 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 111.576 ms
Loss rate: 1.92%
```
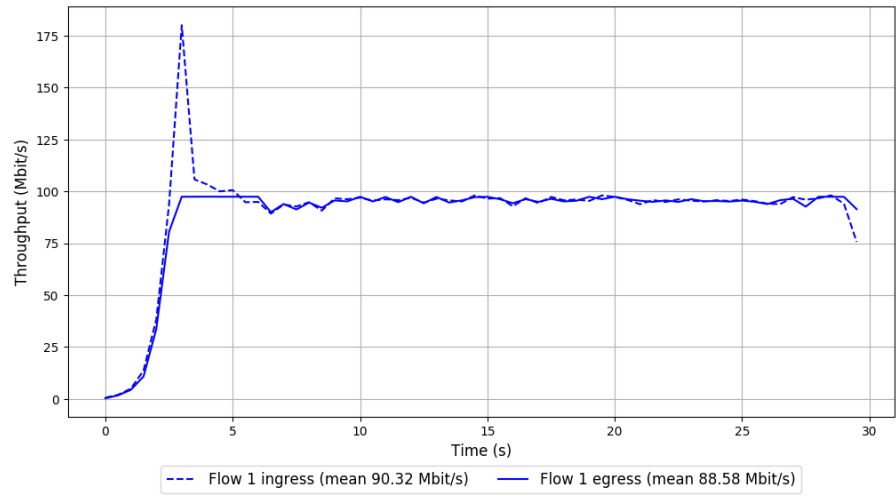
Run 7: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 90.32 Mbit/s) — — — Flow 1 egress (mean 88.58 Mbit/s)

• Flow 1 (95th percentile 111.58 ms)

```
Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 04:32:35
End at: 2018-02-16 04:33:05
Local clock offset: -5.534 ms
Remote clock offset: 0.194 ms


# Below is generated by plot.py at 2018-02-16 06:06:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 116.128 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 116.128 ms
Loss rate: 1.94%
```
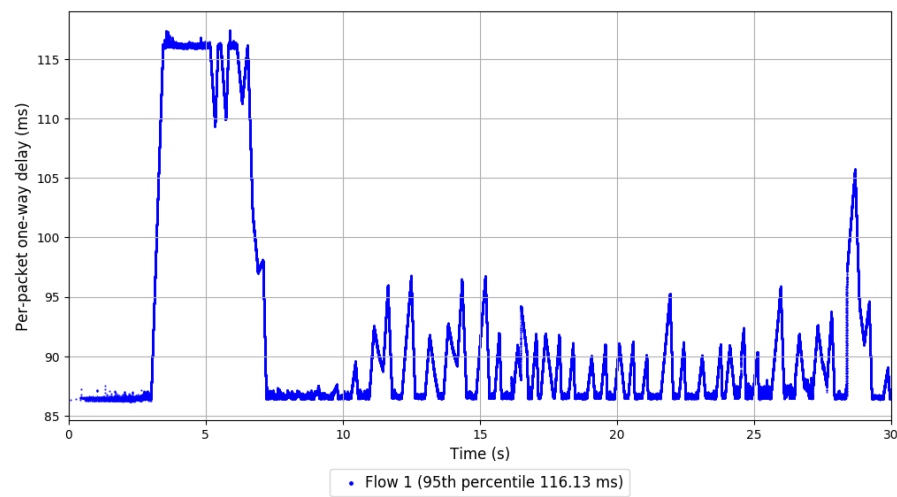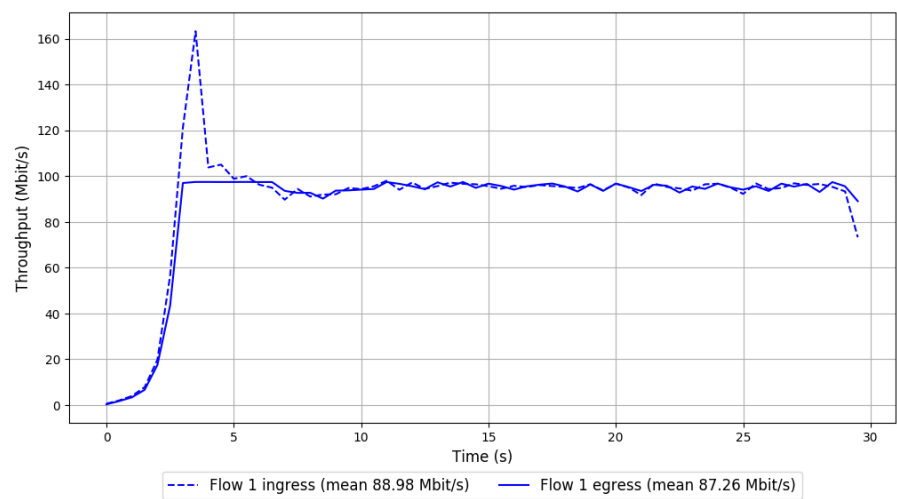
Run 8: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.98 Mbit/s) — — — Flow 1 egress (mean 87.26 Mbit/s)

• Flow 1 (95th percentile 116.13 ms)

```
Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 04:54:40
End at: 2018-02-16 04:55:10
Local clock offset: -4.214 ms
Remote clock offset: 1.946 ms


# Below is generated by plot.py at 2018-02-16 06:06:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 117.614 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 117.614 ms
Loss rate: 1.95%
```
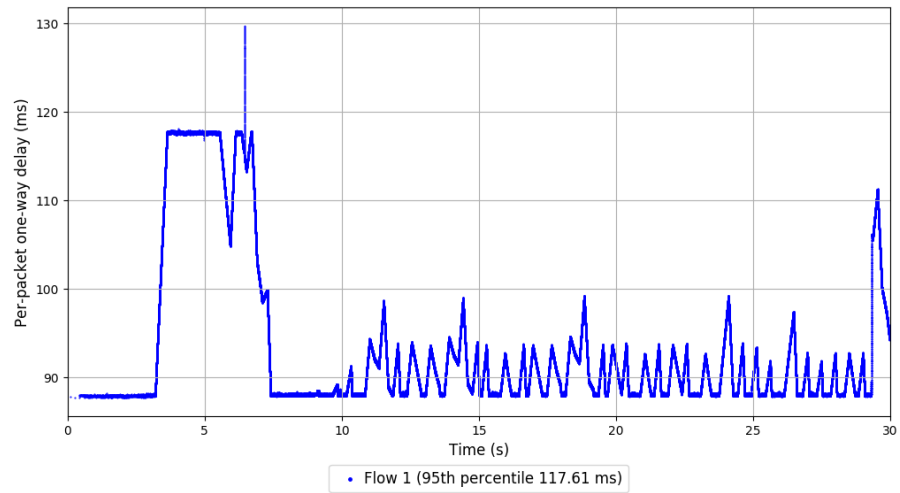
Run 9: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.74 Mbit/s) — Flow 1 egress (mean 86.99 Mbit/s)

Flow 1 (95th percentile 117.61 ms)

```
Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 05:17:01
End at: 2018-02-16 05:17:31
Local clock offset: -4.129 ms
Remote clock offset: -3.483 ms


# Below is generated by plot.py at 2018-02-16 06:06:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 111.911 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 111.911 ms
Loss rate: 1.93%
```
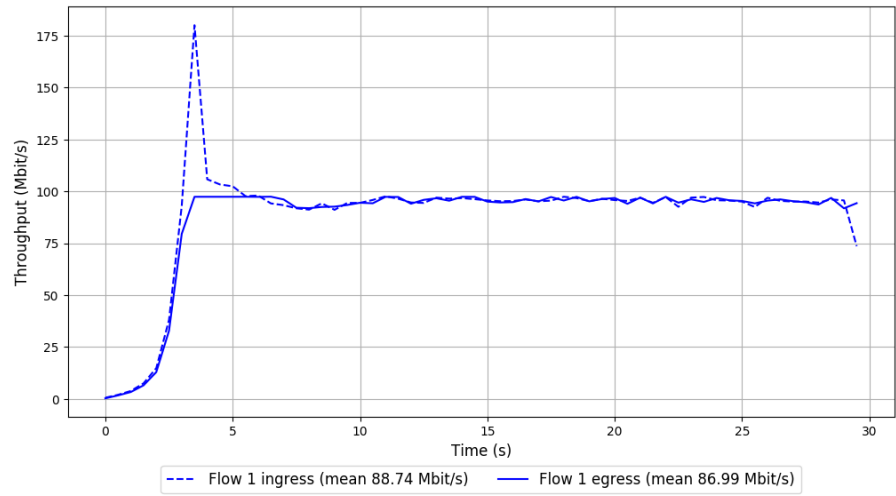
Run 10: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.81 Mbit/s) ----- Flow 1 egress (mean 87.09 Mbit/s) ——

• Flow 1 (95th percentile 111.91 ms)