Pantheon Report

Generated at 2018-04-03 12:41:09 (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.

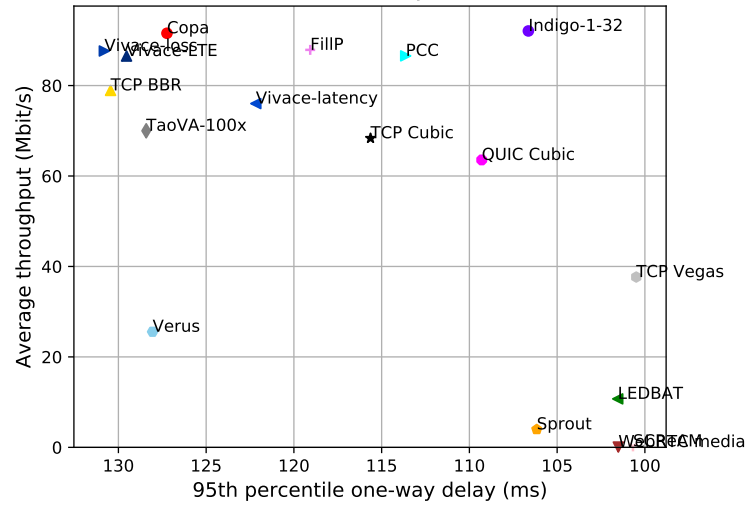Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

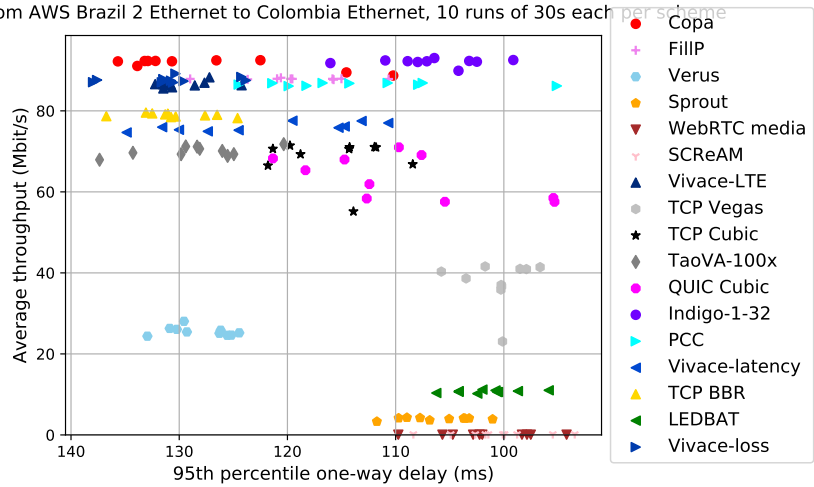NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
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 @ f271183af822eee5d0031620f4bebf38aedc5581
```

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

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	78.93	130.45	2.53
TCP Cubic	10	68.35	115.63	0.40
LEDBAT	10	10.72	101.55	0.00
PCC	10	86.56	113.63	1.56
QUIC Cubic	10	63.56	109.30	0.19
SCReAM	10	0.22	100.68	0.00
WebRTC media	10	0.06	101.51	0.00
Sprout	10	3.97	106.16	0.00
TaoVA-100x	10	70.00	128.42	1.06
TCP Vegas	10	37.66	100.49	0.36
Verus	10	25.56	128.05	11.70
Copa	10	91.56	127.23	70.87
FillP	10	87.89	119.07	2.05
Indigo-1-32	10	92.07	106.64	0.70
Vivace-latency	10	76.02	122.17	0.14
Vivace-loss	10	87.64	130.80	2.52
Vivace-LTE	10	86.53	129.54	2.04

```
Run 1: Statistics of TCP BBR

Start at: 2018-04-03 08:10:17
End at: 2018-04-03 08:10:47
Local clock offset: -6.141 ms
Remote clock offset: 11.74 ms


# Below is generated by plot.py at 2018-04-03 12:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 132.495 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 132.495 ms
Loss rate: 2.18%
```
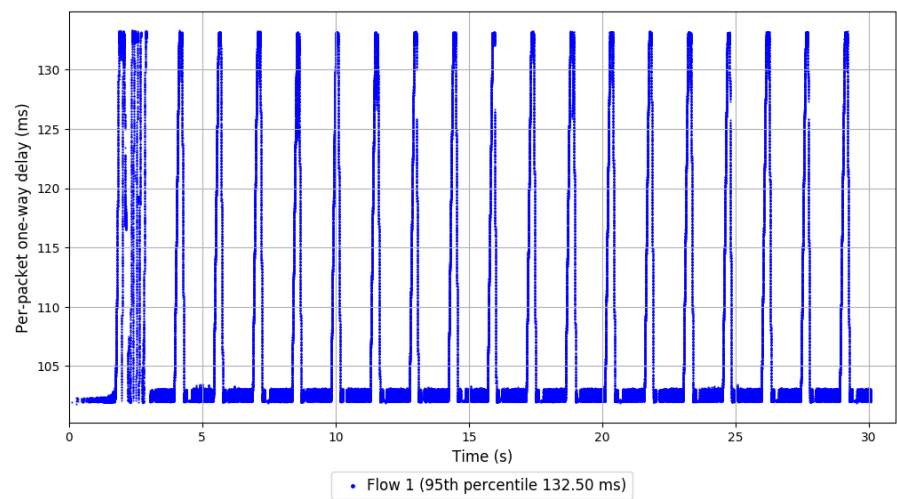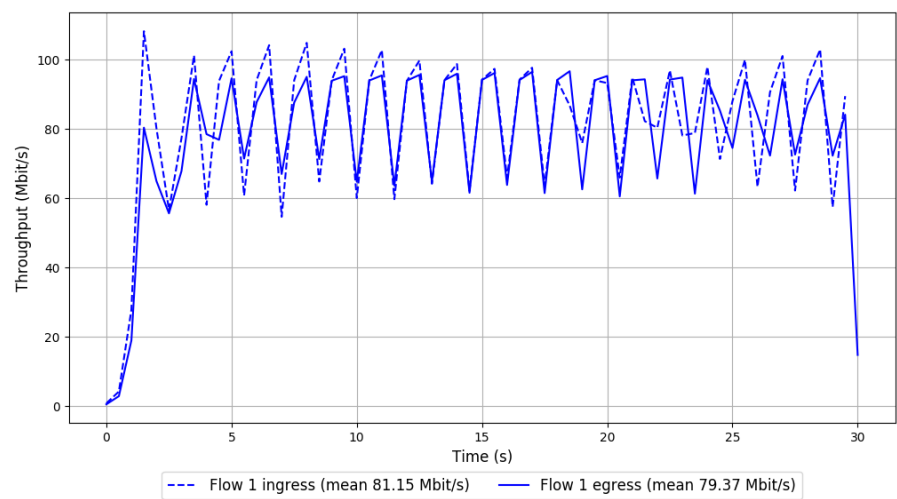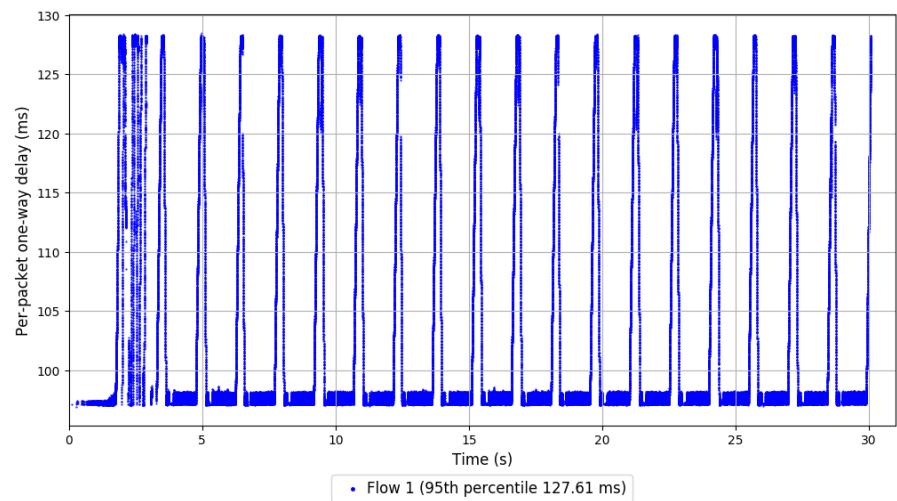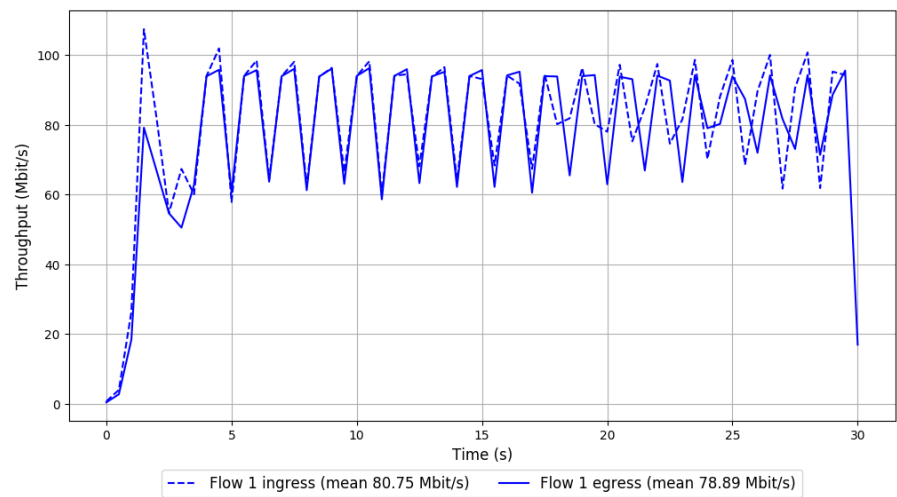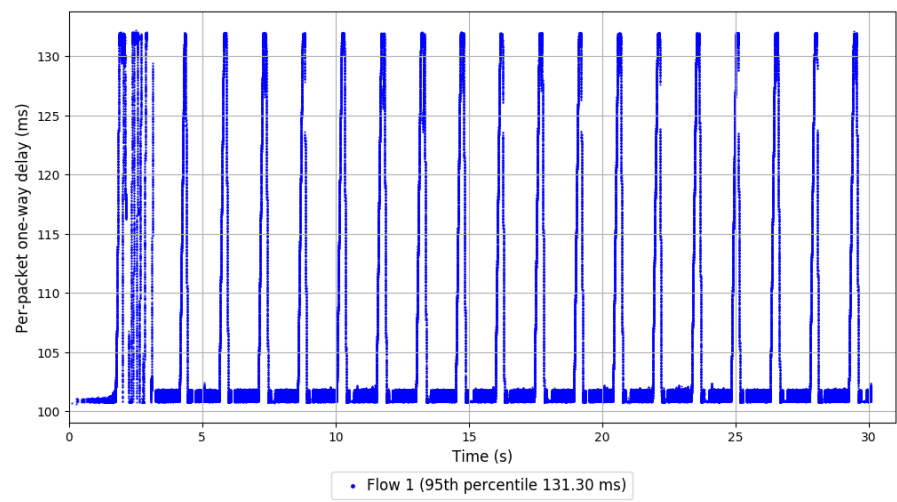
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 81.15 Mbit/s)   Flow 1 egress (mean 79.37 Mbit/s)

Flow 1 (95th percentile 132.50 ms)

5

```
Run 2: Statistics of TCP BBR

Start at: 2018-04-03 08:32:28
End at: 2018-04-03 08:32:58
Local clock offset: -5.748 ms
Remote clock offset: 4.307 ms


# Below is generated by plot.py at 2018-04-03 12:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 127.614 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 127.614 ms
Loss rate: 2.21%
```
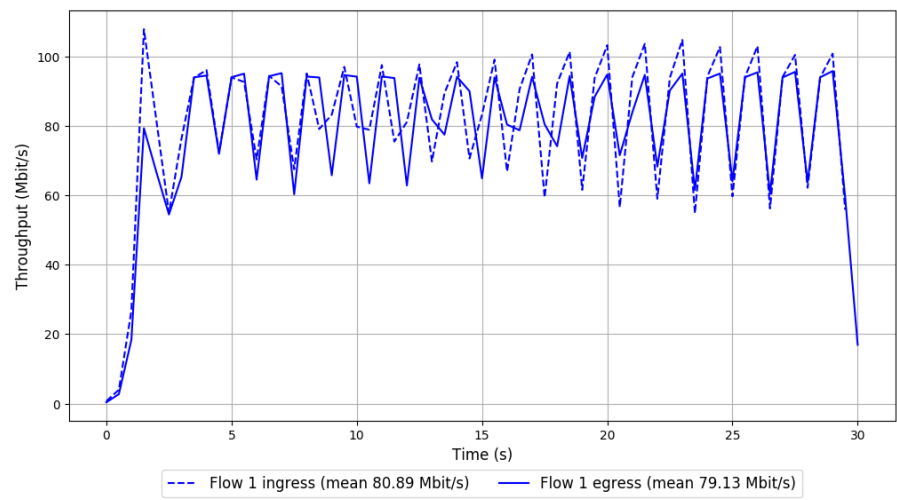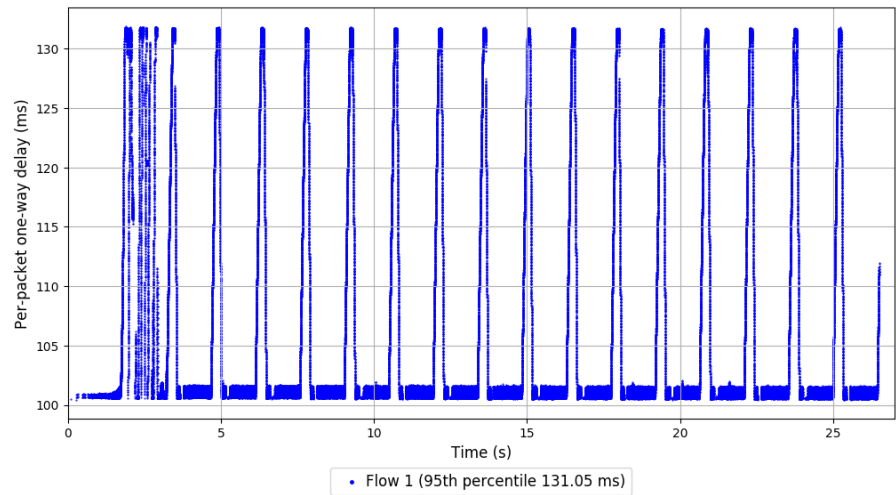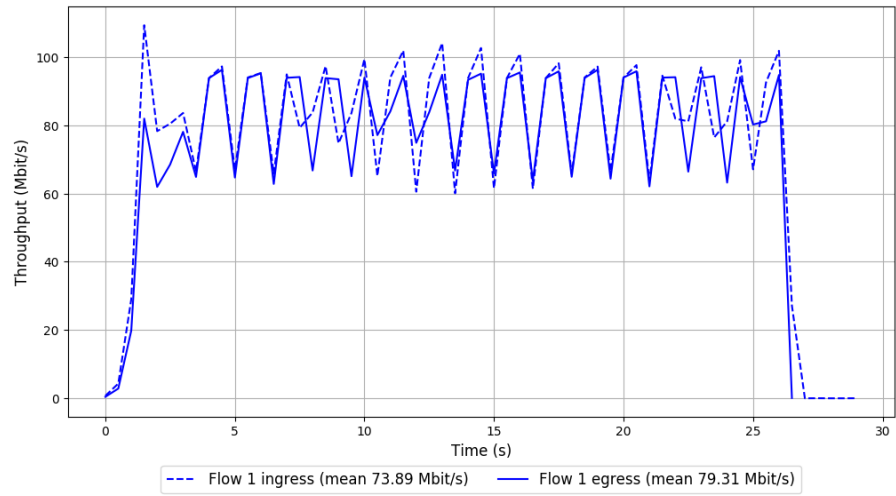
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 80.75 Mbit/s)   Flow 1 egress (mean 78.89 Mbit/s)

• Flow 1 (95th percentile 127.61 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-04-03 08:54:55
End at: 2018-04-03 08:55:25
Local clock offset: -5.426 ms
Remote clock offset: 9.17 ms


# Below is generated by plot.py at 2018-04-03 12:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.13 Mbit/s
95th percentile per-packet one-way delay: 131.297 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 79.13 Mbit/s
95th percentile per-packet one-way delay: 131.297 ms
Loss rate: 2.18%
```

Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 80.89 Mbit/s)   Flow 1 egress (mean 79.13 Mbit/s)

Flow 1 (95th percentile 131.30 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-04-03 09:17:28
End at: 2018-04-03 09:17:58
Local clock offset: -5.485 ms
Remote clock offset: 11.059 ms


# Below is generated by plot.py at 2018-04-03 12:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 131.054 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 131.054 ms
Loss rate: 3.59%
```
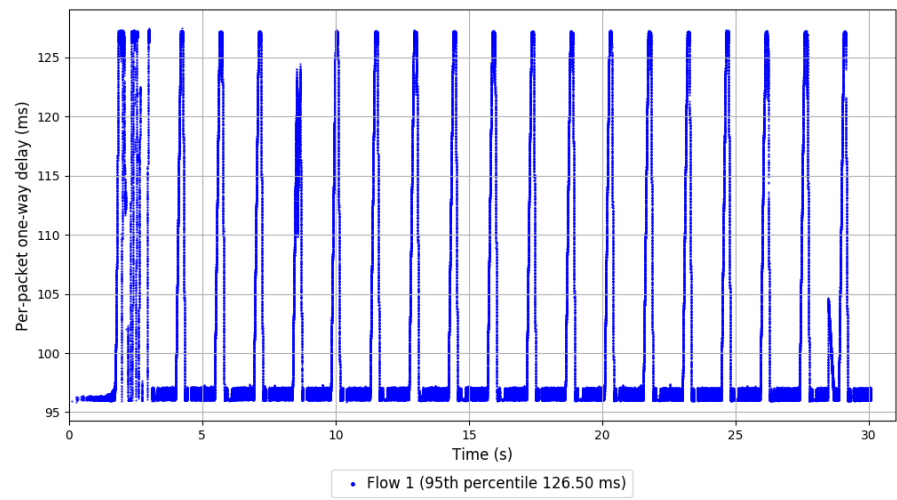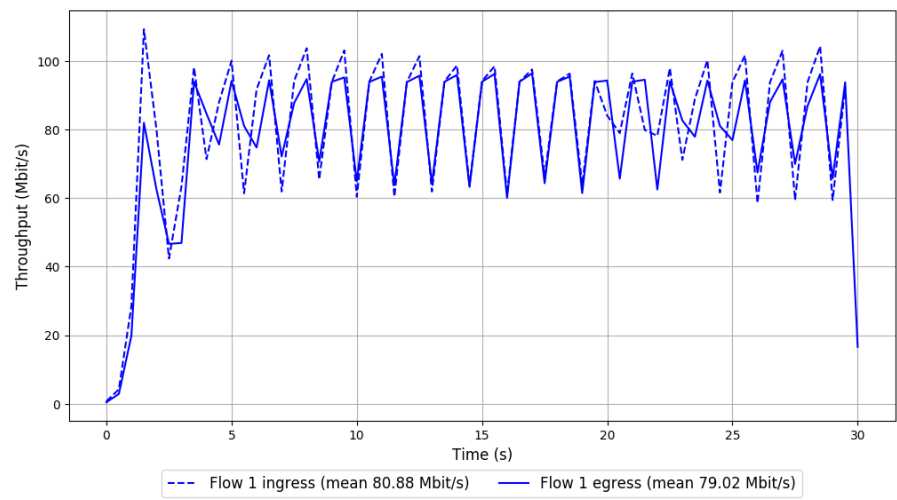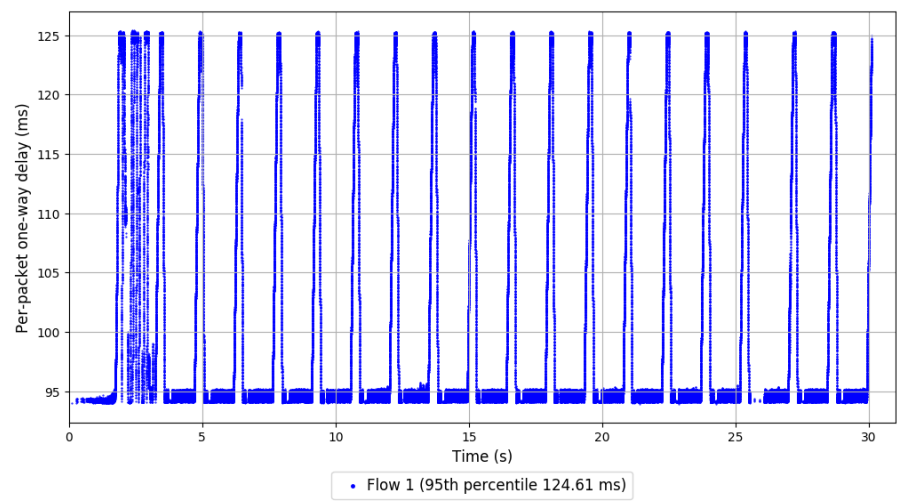
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 73.89 Mbit/s)   Flow 1 egress (mean 79.31 Mbit/s)

Flow 1 (95th percentile 131.05 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-04-03 09:40:02
End at: 2018-04-03 09:40:32
Local clock offset: -6.685 ms
Remote clock offset: 7.245 ms


# Below is generated by plot.py at 2018-04-03 12:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 126.498 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 126.498 ms
Loss rate: 2.29%
```
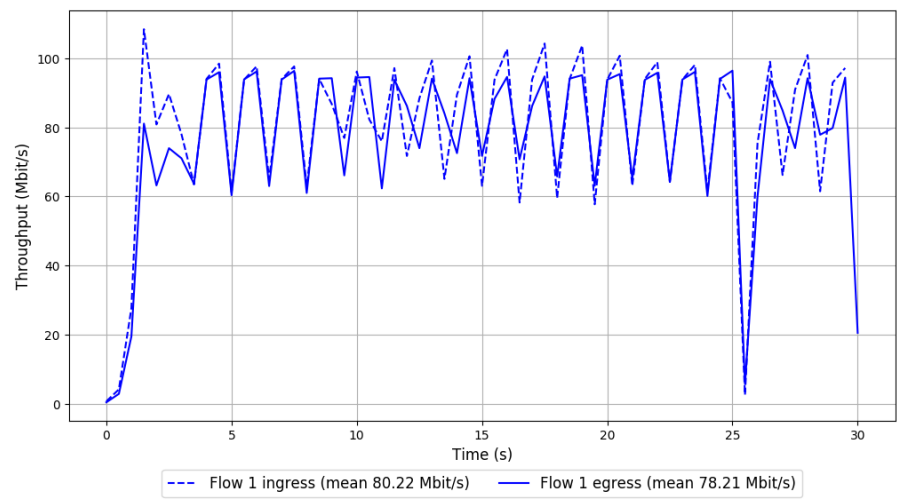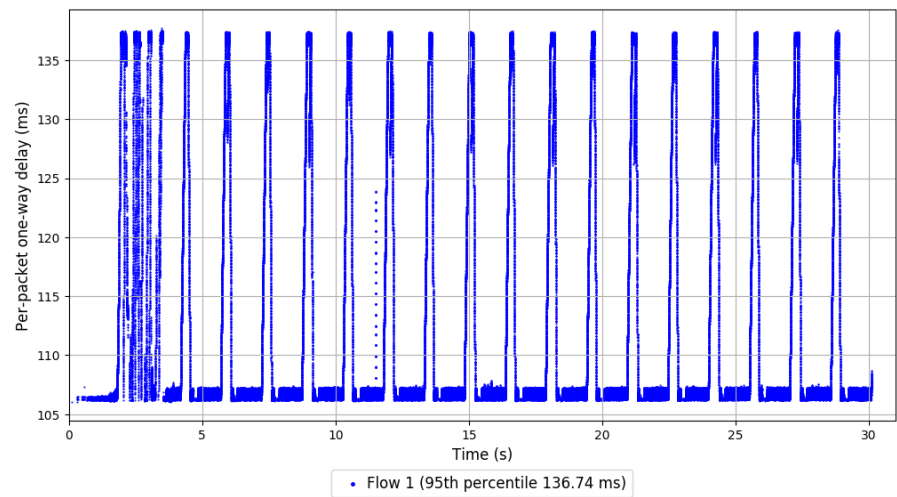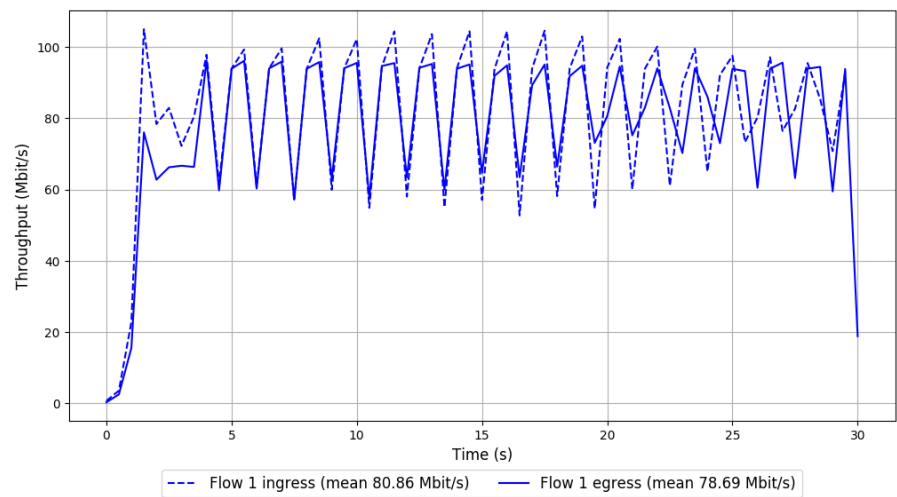
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 80.88 Mbit/s)   Flow 1 egress (mean 79.02 Mbit/s)

Flow 1 (95th percentile 126.50 ms)

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```
Run 6: Statistics of TCP BBR

Start at: 2018-04-03 10:02:21
End at: 2018-04-03 10:02:51
Local clock offset: -6.686 ms
Remote clock offset: 4.903 ms


# Below is generated by plot.py at 2018-04-03 12:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 124.608 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 124.608 ms
Loss rate: 2.40%
```
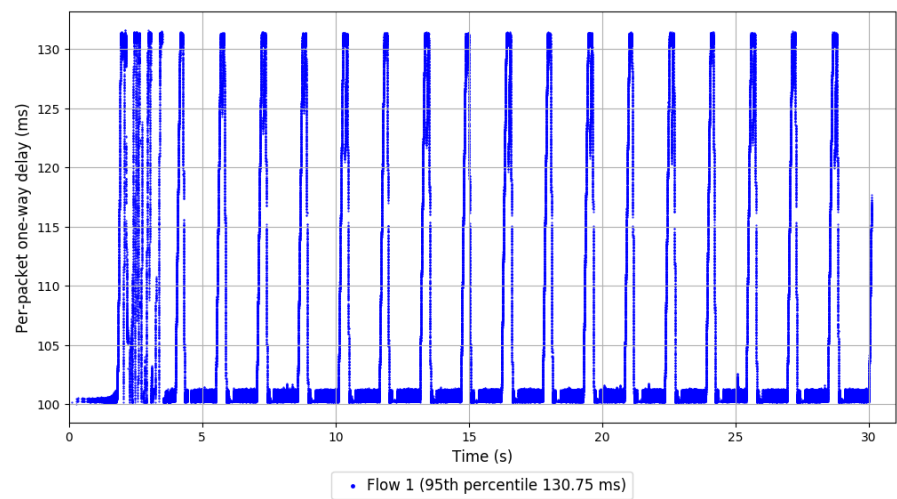
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 80.22 Mbit/s)   Flow 1 egress (mean 78.21 Mbit/s)

Flow 1 (95th percentile 124.61 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-04-03 10:24:50
End at: 2018-04-03 10:25:20
Local clock offset: -6.67 ms
Remote clock offset: 11.523 ms


# Below is generated by plot.py at 2018-04-03 12:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.69 Mbit/s
95th percentile per-packet one-way delay: 136.736 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 78.69 Mbit/s
95th percentile per-packet one-way delay: 136.736 ms
Loss rate: 2.67%
```
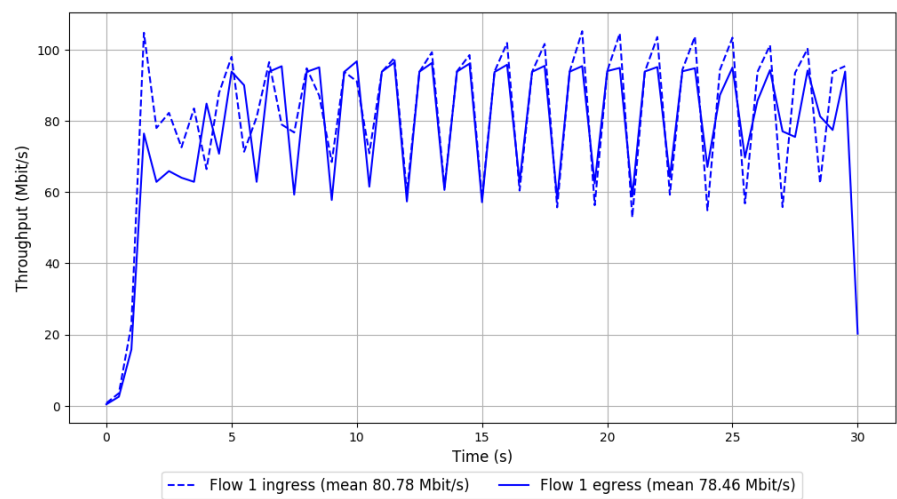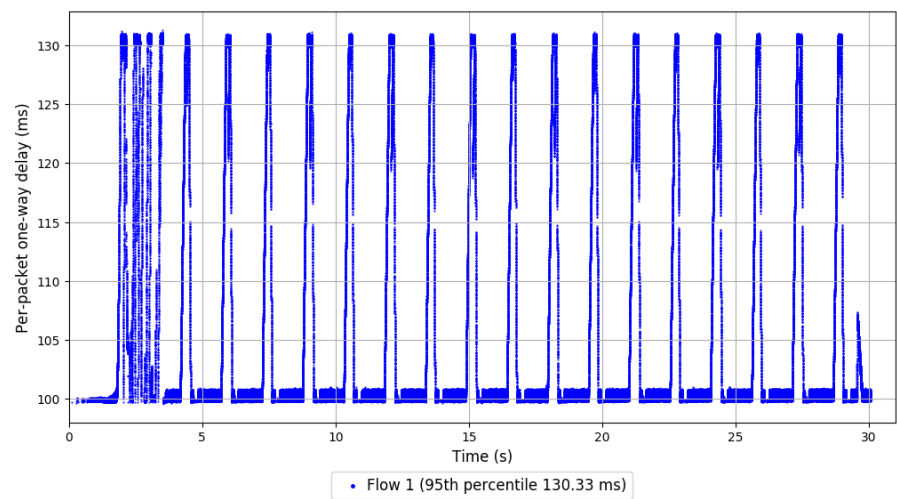
Run 7: Report of TCP BBR — Data Link

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```
Run 8: Statistics of TCP BBR

Start at: 2018-04-03 10:47:19
End at: 2018-04-03 10:47:49
Local clock offset: -5.864 ms
Remote clock offset: 5.829 ms


# Below is generated by plot.py at 2018-04-03 12:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 130.755 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 130.755 ms
Loss rate: 2.82%
```
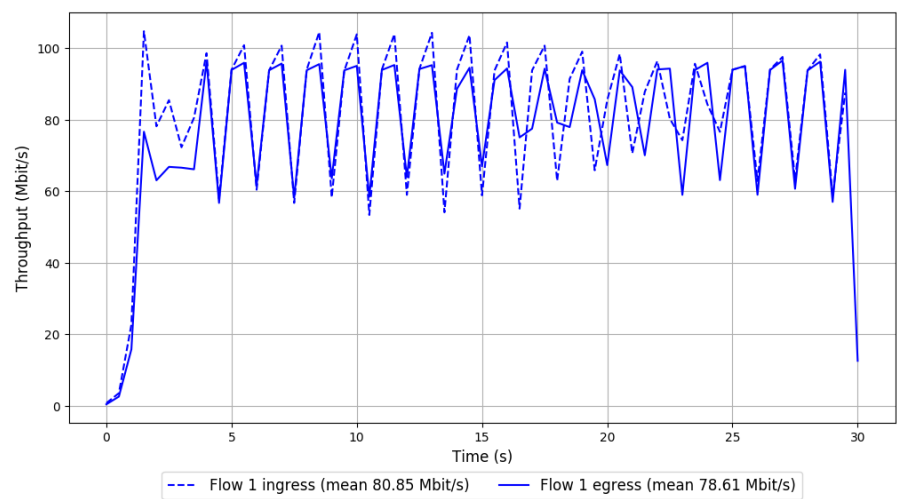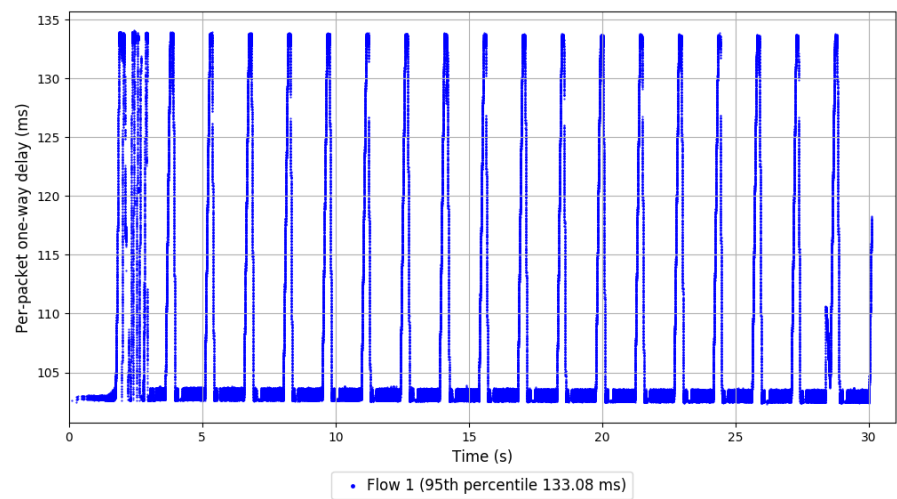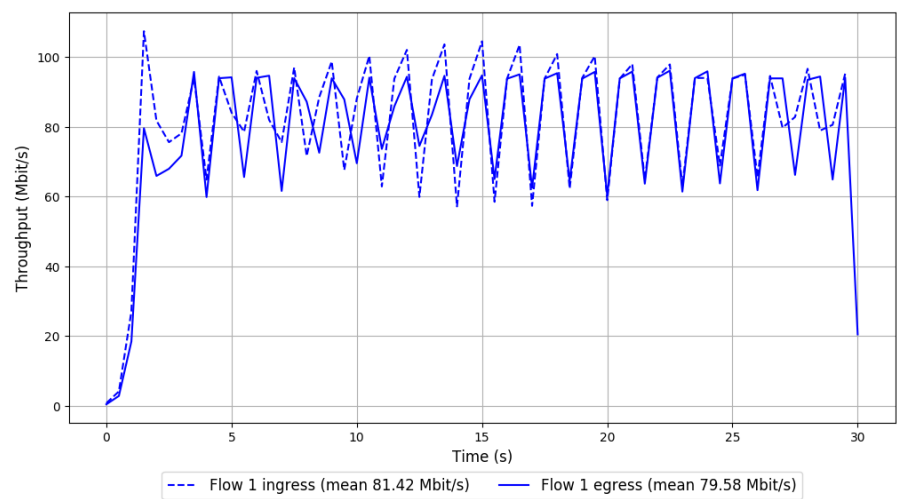
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 80.78 Mbit/s)   Flow 1 egress (mean 78.46 Mbit/s)

Flow 1 (95th percentile 130.75 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-04-03 11:09:48
End at: 2018-04-03 11:10:18
Local clock offset: -5.991 ms
Remote clock offset: 4.551 ms

# Below is generated by plot.py at 2018-04-03 12:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 130.331 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 130.331 ms
Loss rate: 2.76%
```
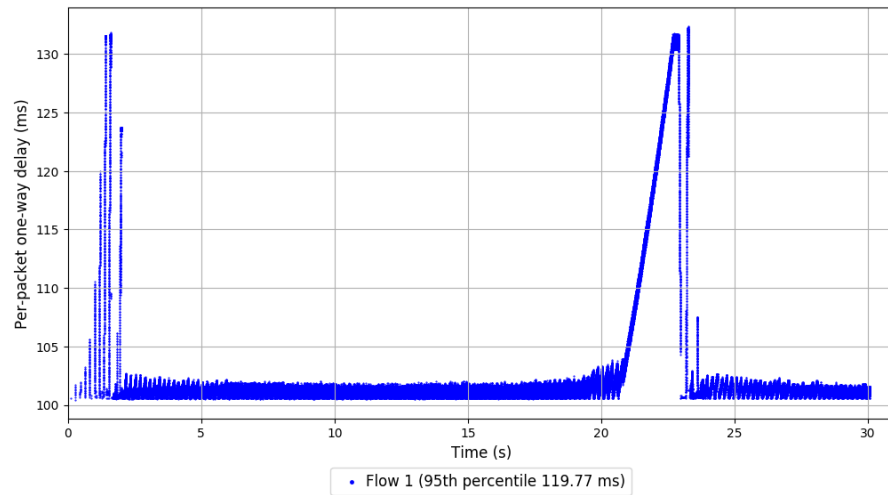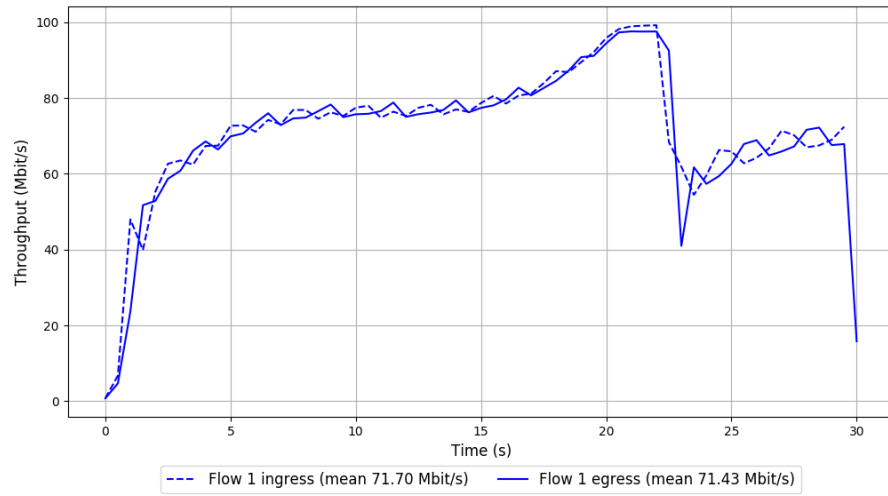
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 80.85 Mbit/s)   Flow 1 egress (mean 78.61 Mbit/s)

Flow 1 (95th percentile 130.33 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-04-03 11:32:21
End at: 2018-04-03 11:32:51
Local clock offset: -6.008 ms
Remote clock offset: 13.737 ms


# Below is generated by plot.py at 2018-04-03 12:18:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.58 Mbit/s
95th percentile per-packet one-way delay: 133.079 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 79.58 Mbit/s
95th percentile per-packet one-way delay: 133.079 ms
Loss rate: 2.21%
```
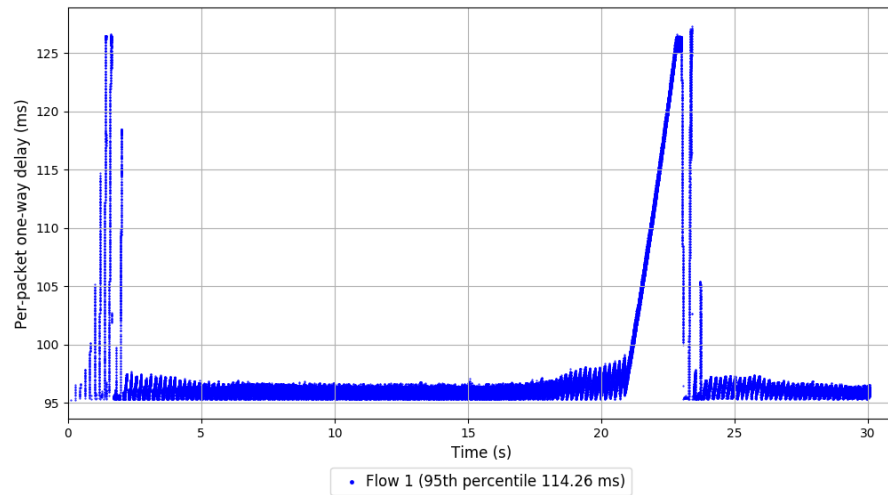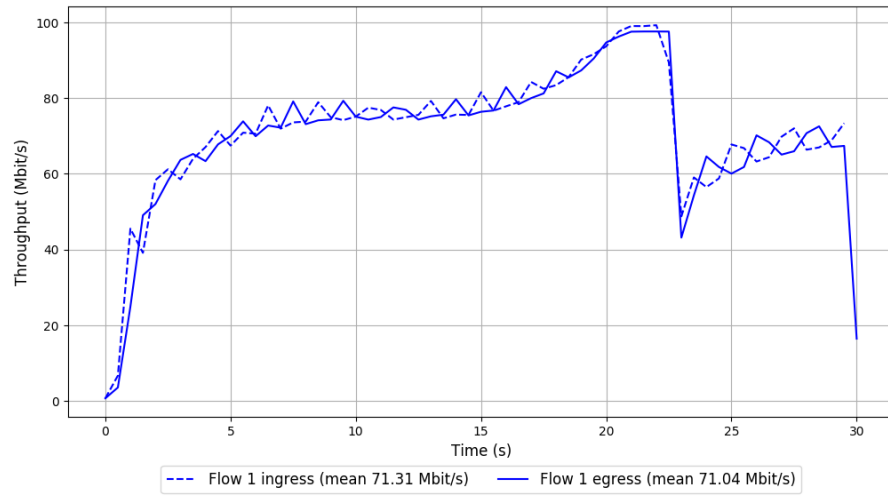
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 81.42 Mbit/s)   Flow 1 egress (mean 79.58 Mbit/s)

Flow 1 (95th percentile 133.08 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 08:12:49
End at: 2018-04-03 08:13:19
Local clock offset: -6.06 ms
Remote clock offset: 10.706 ms


# Below is generated by plot.py at 2018-04-03 12:18:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.43 Mbit/s
95th percentile per-packet one-way delay: 119.765 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 71.43 Mbit/s
95th percentile per-packet one-way delay: 119.765 ms
Loss rate: 0.37%
```
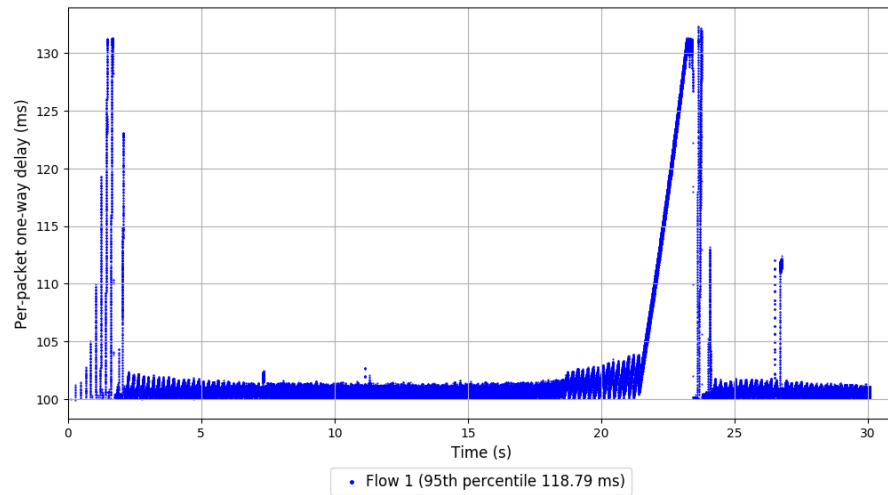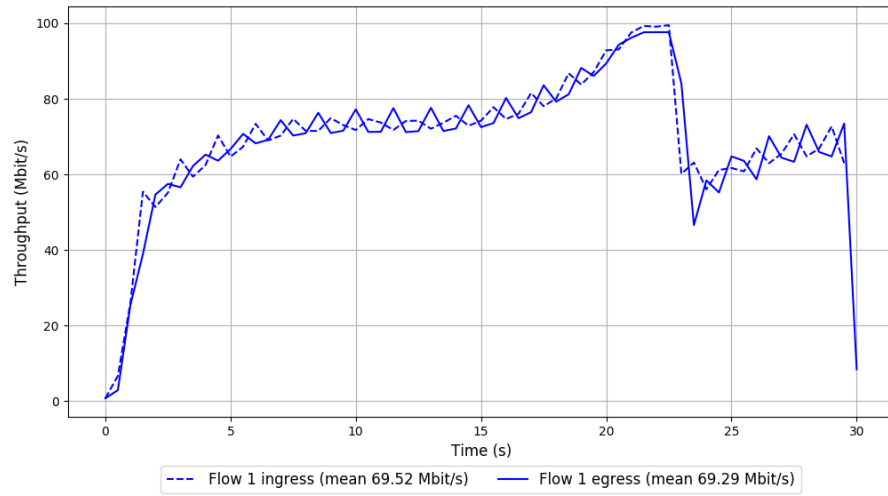
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 08:35:16
End at: 2018-04-03 08:35:46
Local clock offset: -5.757 ms
Remote clock offset: 5.085 ms


# Below is generated by plot.py at 2018-04-03 12:18:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.04 Mbit/s
95th percentile per-packet one-way delay: 114.257 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 71.04 Mbit/s
95th percentile per-packet one-way delay: 114.257 ms
Loss rate: 0.38%
```
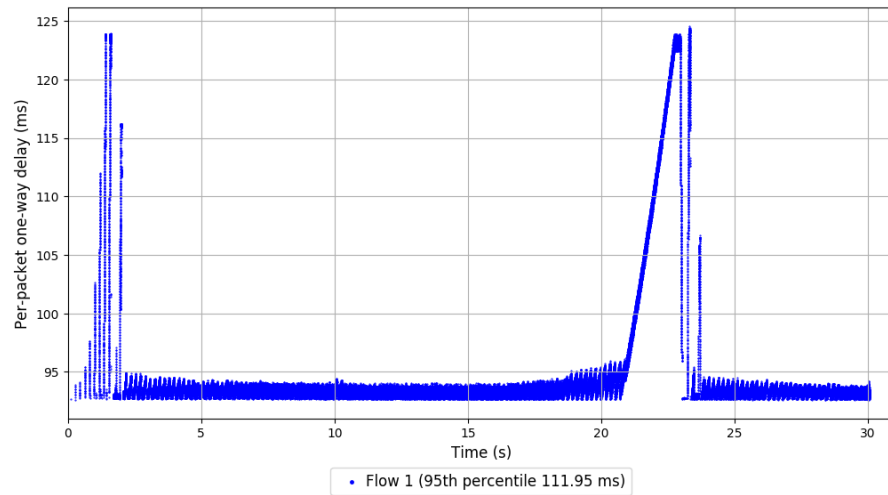
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 08:57:42
End at: 2018-04-03 08:58:12
Local clock offset: -5.329 ms
Remote clock offset: 3.783 ms


# Below is generated by plot.py at 2018-04-03 12:18:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.29 Mbit/s
95th percentile per-packet one-way delay: 118.791 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 69.29 Mbit/s
95th percentile per-packet one-way delay: 118.791 ms
Loss rate: 0.33%
```
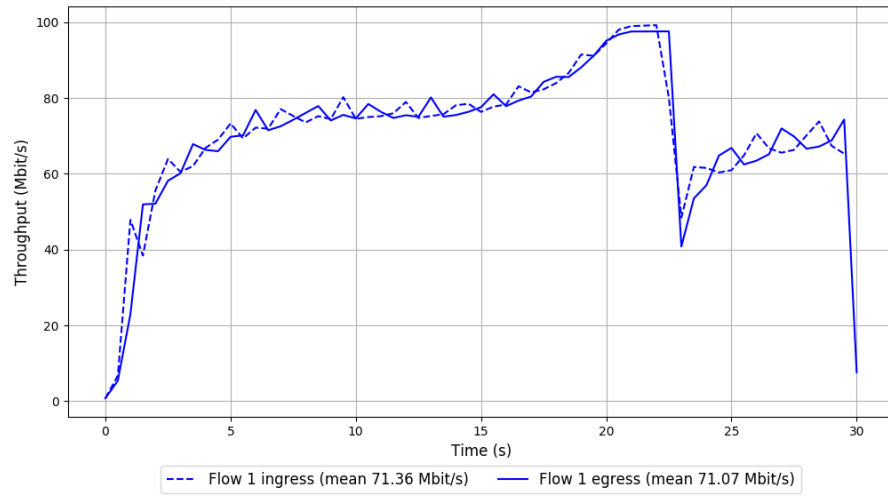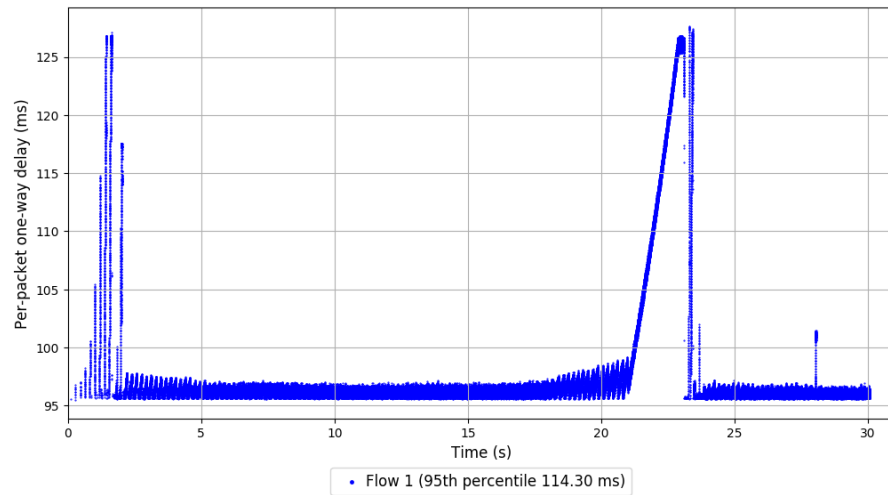
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 69.52 Mbit/s)   Flow 1 egress (mean 69.29 Mbit/s)

Flow 1 (95th percentile 118.79 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-04-03 09:20:17
End at: 2018-04-03 09:20:47
Local clock offset: -5.844 ms
Remote clock offset: 5.094 ms


# Below is generated by plot.py at 2018-04-03 12:18:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.07 Mbit/s
95th percentile per-packet one-way delay: 111.949 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 71.07 Mbit/s
95th percentile per-packet one-way delay: 111.949 ms
Loss rate: 0.40%
```
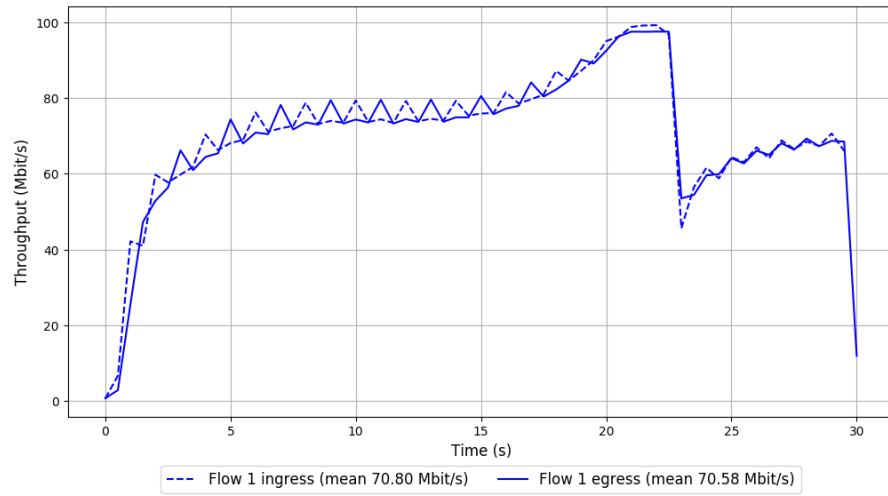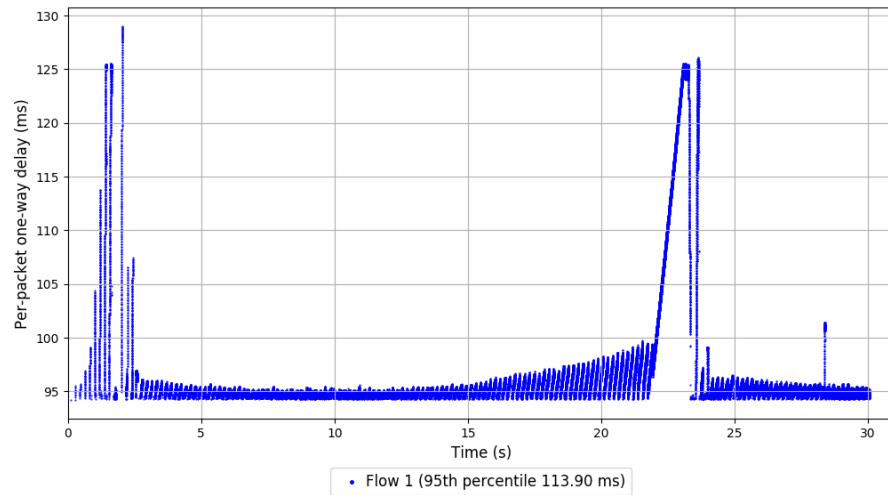
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2018-04-03 09:42:36
End at: 2018-04-03 09:43:06
Local clock offset: -6.716 ms
Remote clock offset: 7.293 ms


# Below is generated by plot.py at 2018-04-03 12:18:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: 114.303 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: 114.303 ms
Loss rate: 0.32%
```
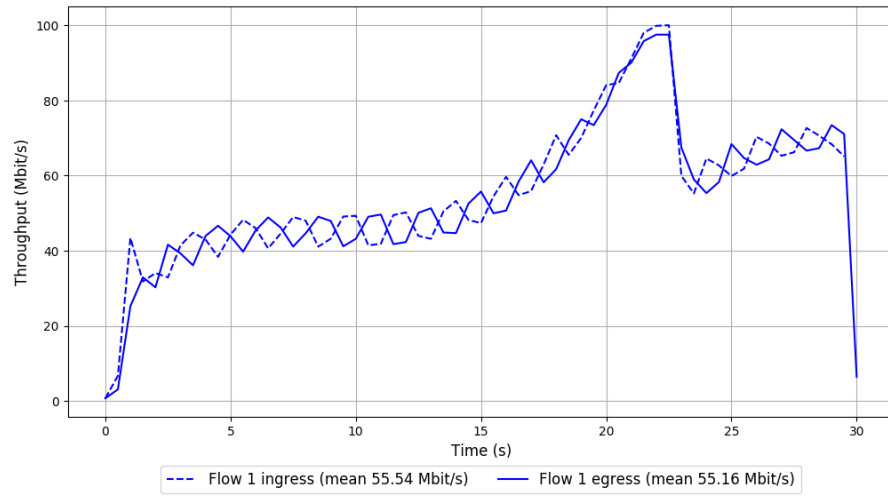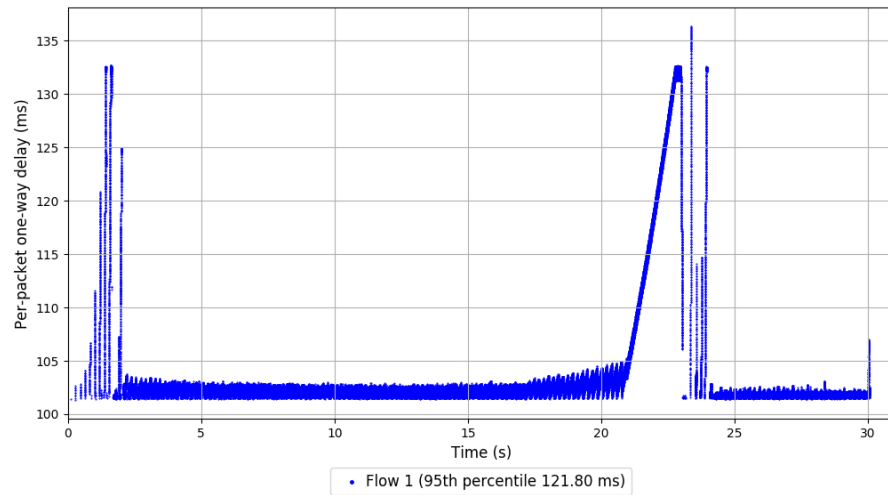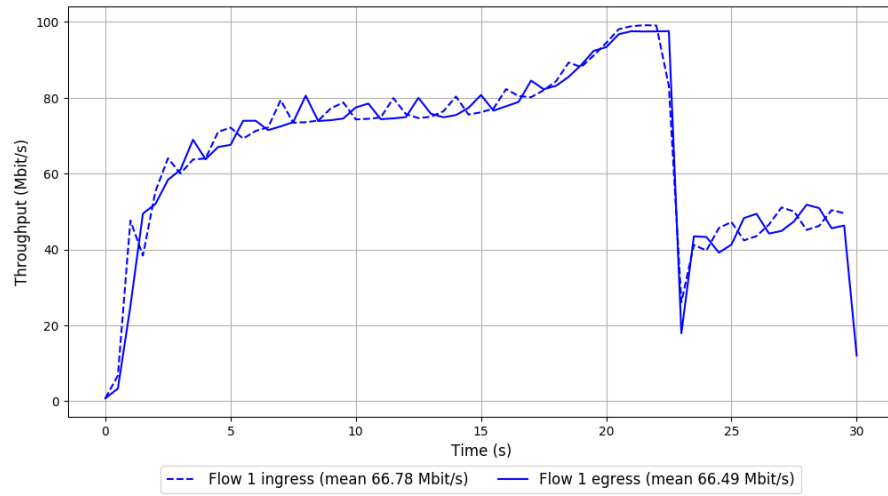
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 70.80 Mbit/s)　　Flow 1 egress (mean 70.58 Mbit/s)
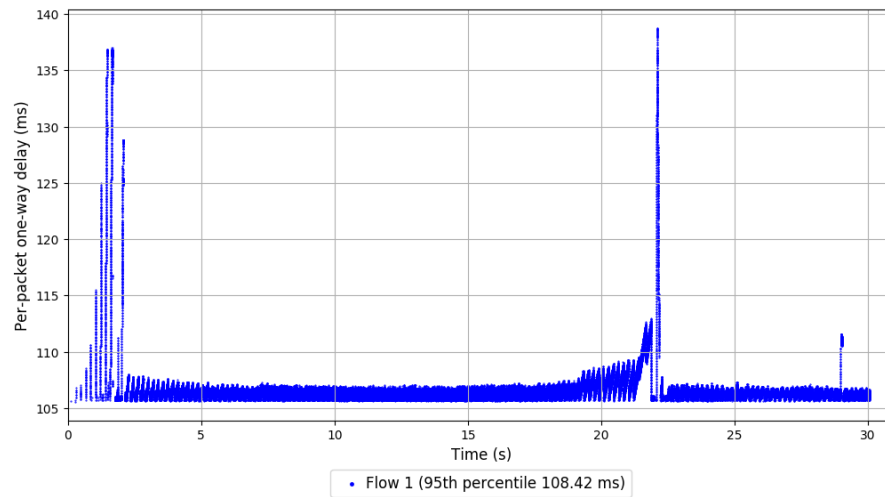

Flow 1 (95th percentile 114.30 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2018-04-03 10:05:07
End at: 2018-04-03 10:05:37
Local clock offset: -6.692 ms
Remote clock offset: 4.854 ms


# Below is generated by plot.py at 2018-04-03 12:18:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 113.900 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 113.900 ms
Loss rate: 0.67%
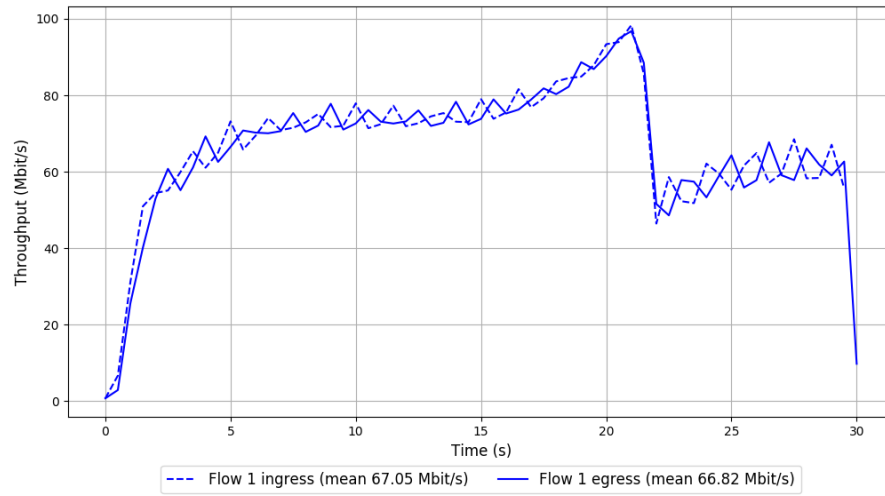```

Run 6: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 55.54 Mbit/s) --- Flow 1 egress (mean 55.16 Mbit/s)



• Flow 1 (95th percentile 113.90 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-04-03 10:27:36
End at: 2018-04-03 10:28:06
Local clock offset: -6.452 ms
Remote clock offset: 11.577 ms

Below is generated by plot.py at 2018-04-03 12:19:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.49 Mbit/s
95th percentile per-packet one-way delay: 121.799 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 66.49 Mbit/s
95th percentile per-packet one-way delay: 121.799 ms
Loss rate: 0.43%
```
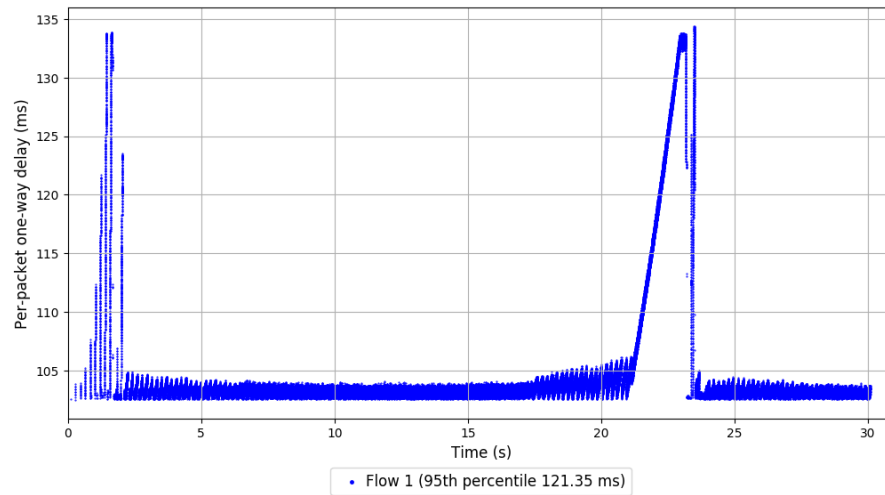
Run 7: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 66.78 Mbit/s)    Flow 1 egress (mean 66.49 Mbit/s)



Flow 1 (95th percentile 121.80 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-04-03 10:50:05
End at: 2018-04-03 10:50:35
Local clock offset: -5.78 ms
Remote clock offset: 11.191 ms

Below is generated by plot.py at 2018-04-03 12:19:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.82 Mbit/s
95th percentile per-packet one-way delay: 108.419 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 66.82 Mbit/s
95th percentile per-packet one-way delay: 108.419 ms
Loss rate: 0.34%
```
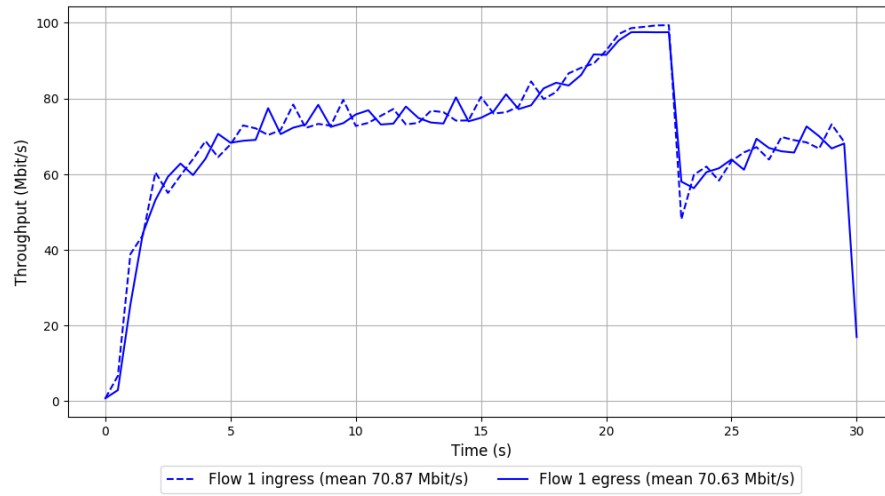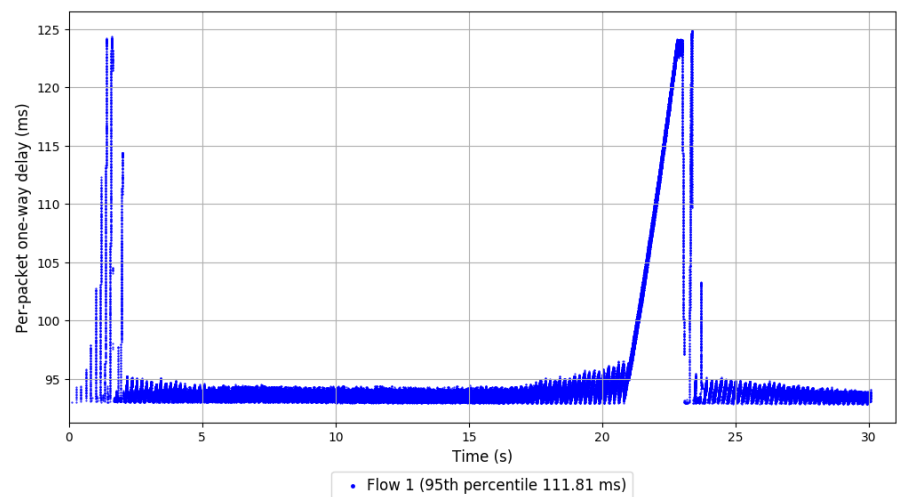
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2018-04-03 11:12:36
End at: 2018-04-03 11:13:07
Local clock offset: -5.988 ms
Remote clock offset: 10.78 ms

Below is generated by plot.py at 2018-04-03 12:19:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 121.347 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 121.347 ms
Loss rate: 0.34%
```
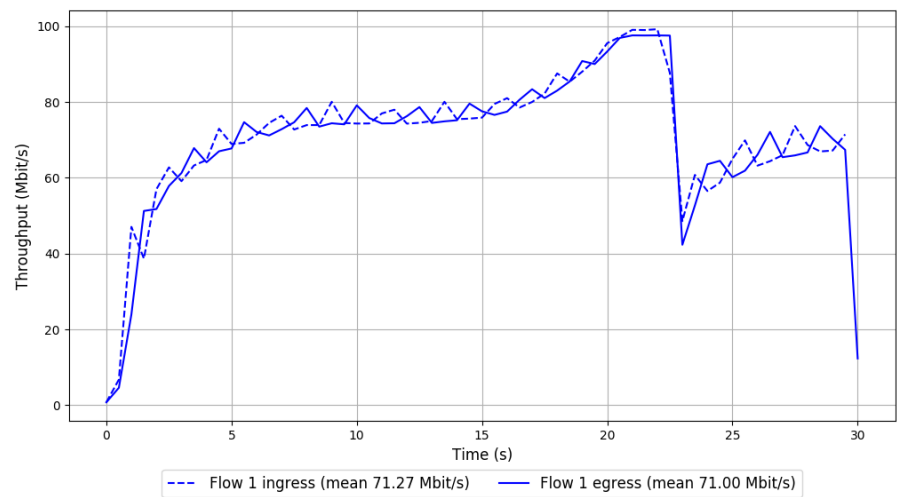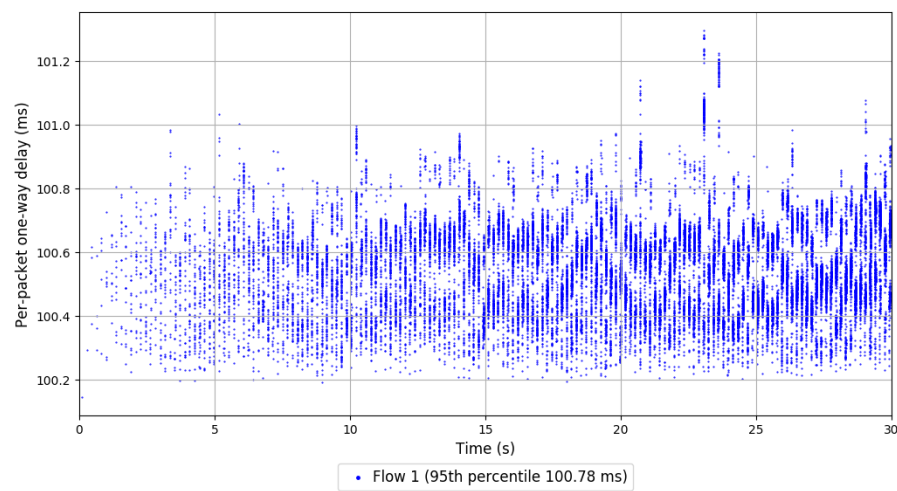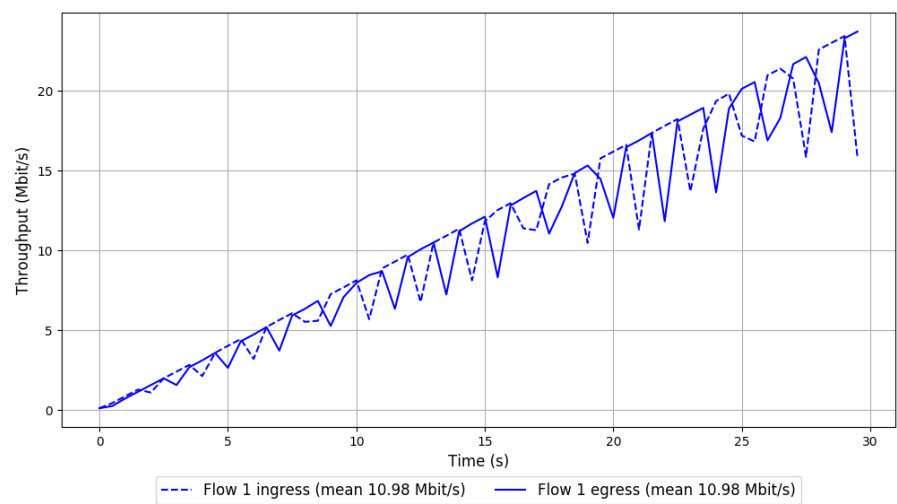
Run 9: Report of TCP Cubic — Data Link

```
Run 10: Statistics of TCP Cubic

Start at: 2018-04-03 11:35:09
End at: 2018-04-03 11:35:39
Local clock offset: -5.917 ms
Remote clock offset: 8.625 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 111.812 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 111.812 ms
Loss rate: 0.39%
```

Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 71.27 Mbit/s) — Flow 1 egress (mean 71.00 Mbit/s)

Flow 1 (95th percentile 111.81 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2018-04-03 08:18:58
End at: 2018-04-03 08:19:28
Local clock offset: -5.906 ms
Remote clock offset: 9.748 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 100.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 100.776 ms
Loss rate: 0.00%
```
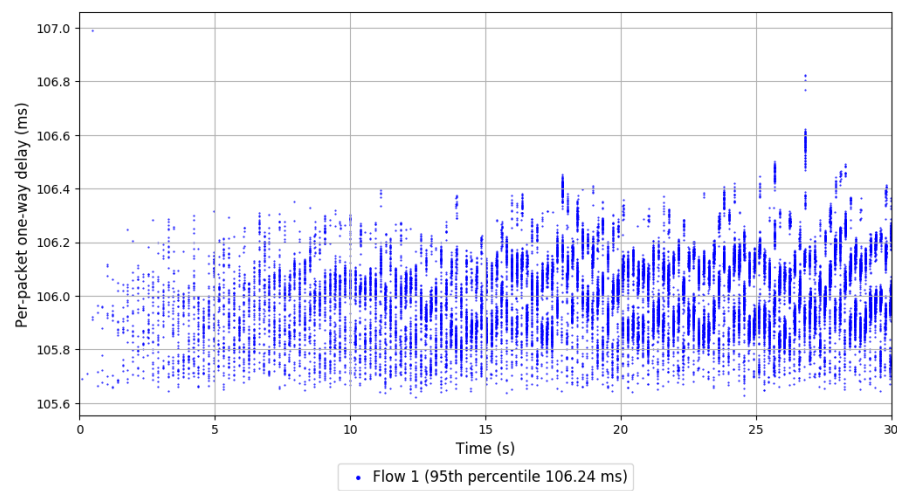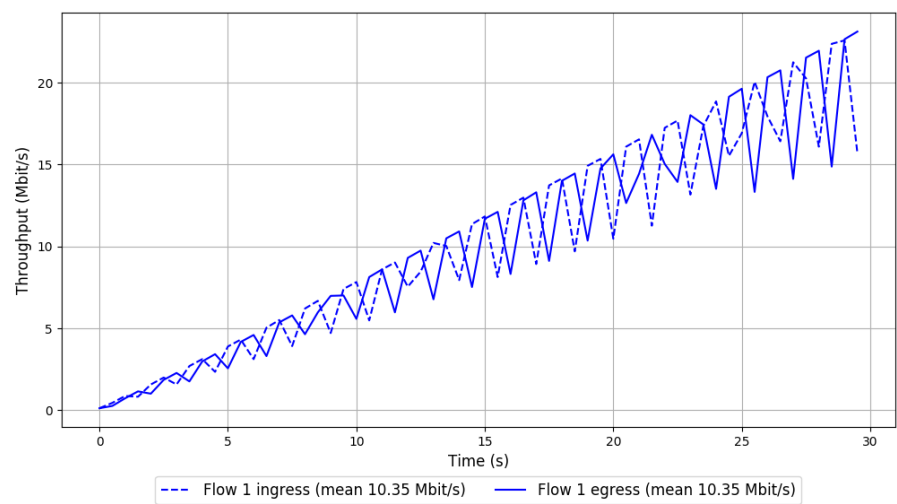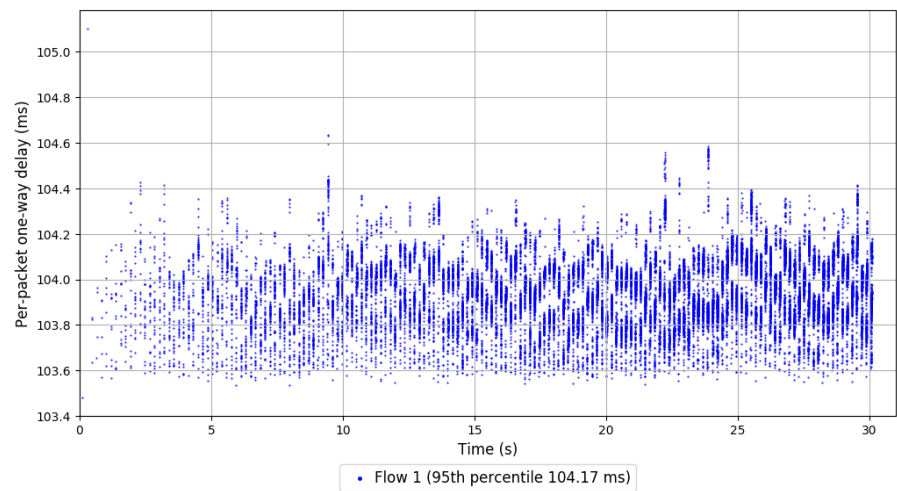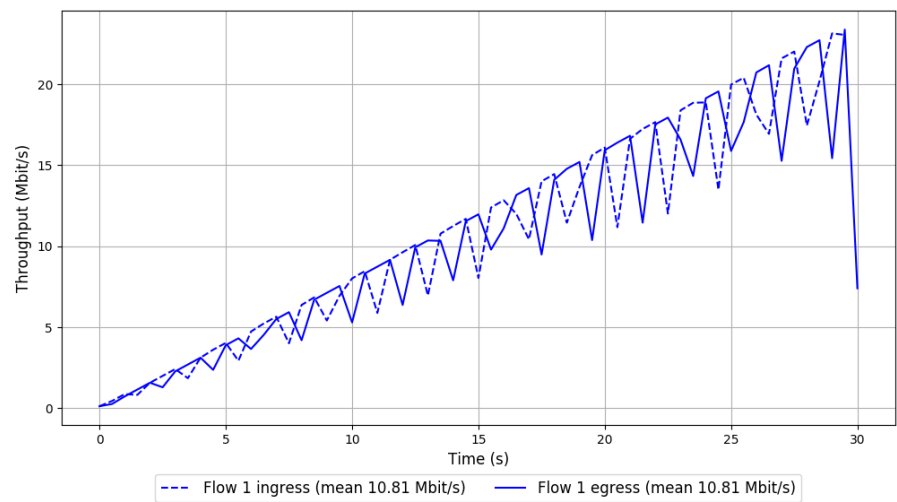
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2018-04-03 08:41:23
End at: 2018-04-03 08:41:53
Local clock offset: -5.718 ms
Remote clock offset: 9.528 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 106.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 106.244 ms
Loss rate: 0.00%
```
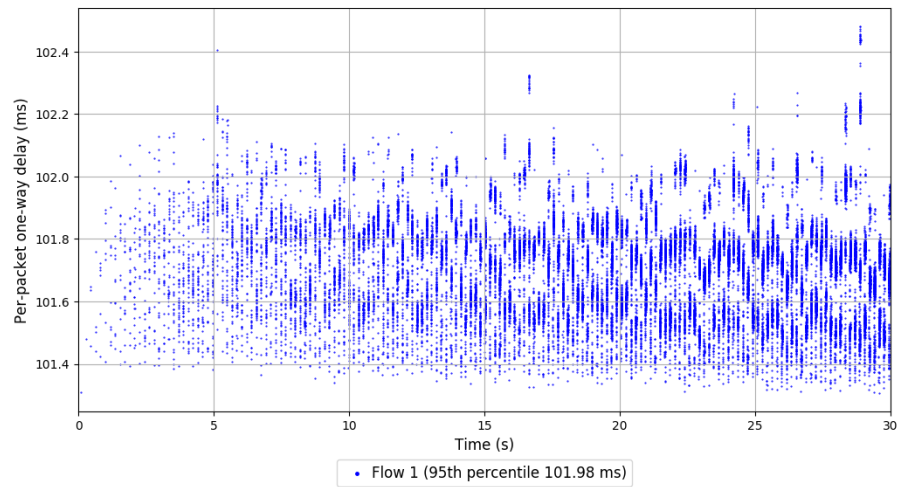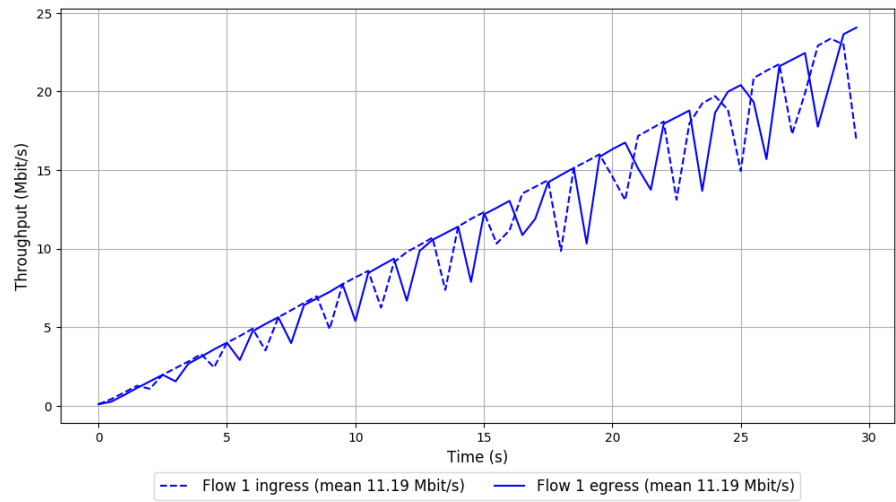
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2018-04-03 09:03:51
End at: 2018-04-03 09:04:21
Local clock offset: -5.272 ms
Remote clock offset: 10.954 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 104.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 104.169 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.81 Mbit/s) --- Flow 1 egress (mean 10.81 Mbit/s)

Flow 1 (95th percentile 104.17 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-04-03 09:26:26
End at: 2018-04-03 09:26:56
Local clock offset: -6.181 ms
Remote clock offset: 11.981 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 101.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 101.983 ms
Loss rate: 0.00%
```
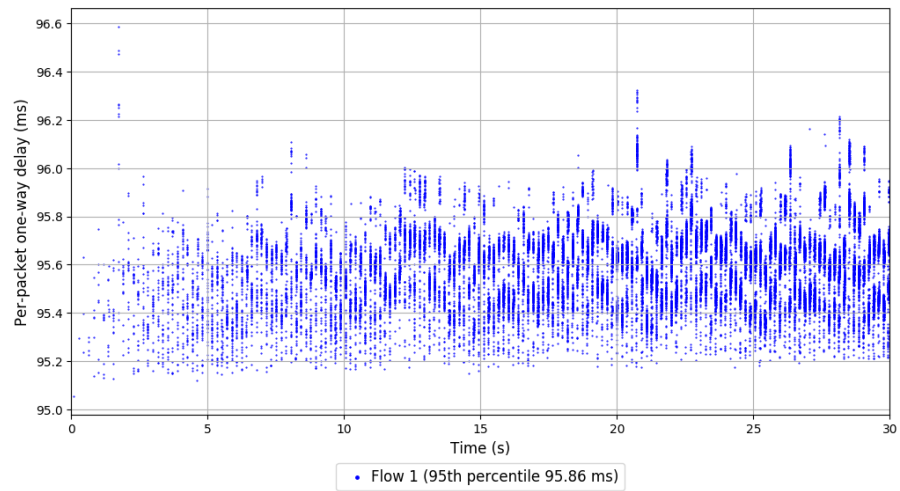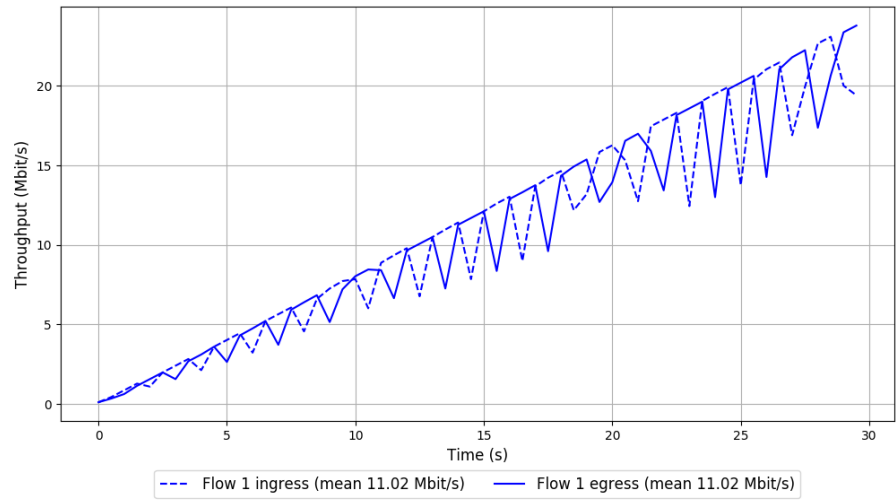
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 11.19 Mbit/s) --- Flow 1 egress (mean 11.19 Mbit/s)

Flow 1 (95th percentile 101.98 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2018-04-03 09:48:46
End at: 2018-04-03 09:49:16
Local clock offset: -6.855 ms
Remote clock offset: 6.815 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 95.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 95.858 ms
Loss rate: 0.00%
```
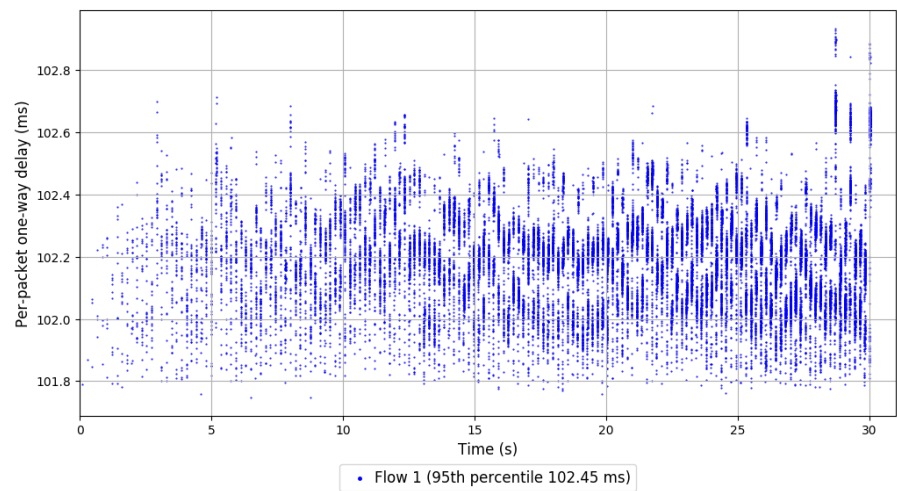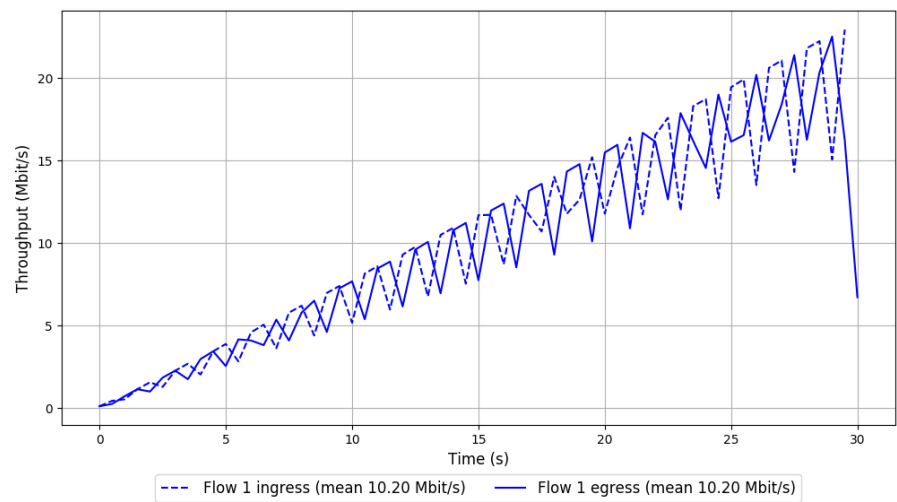
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 11.02 Mbit/s) --- Flow 1 egress (mean 11.02 Mbit/s)

• Flow 1 (95th percentile 95.86 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-04-03 10:11:19
End at: 2018-04-03 10:11:49
Local clock offset: -6.817 ms
Remote clock offset: 4.766 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 102.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 102.453 ms
Loss rate: 0.00%
```
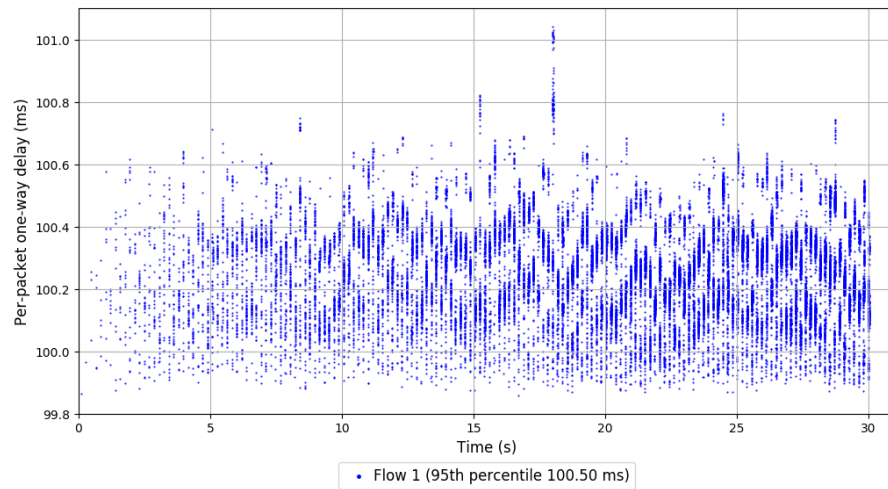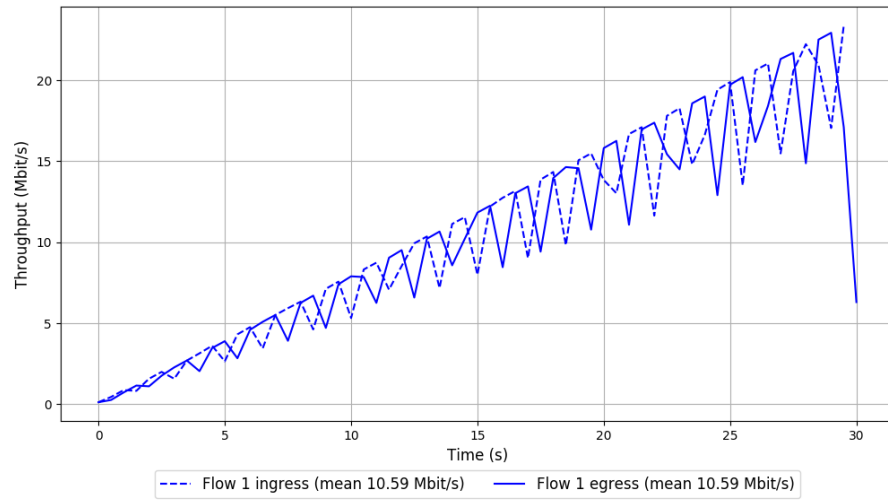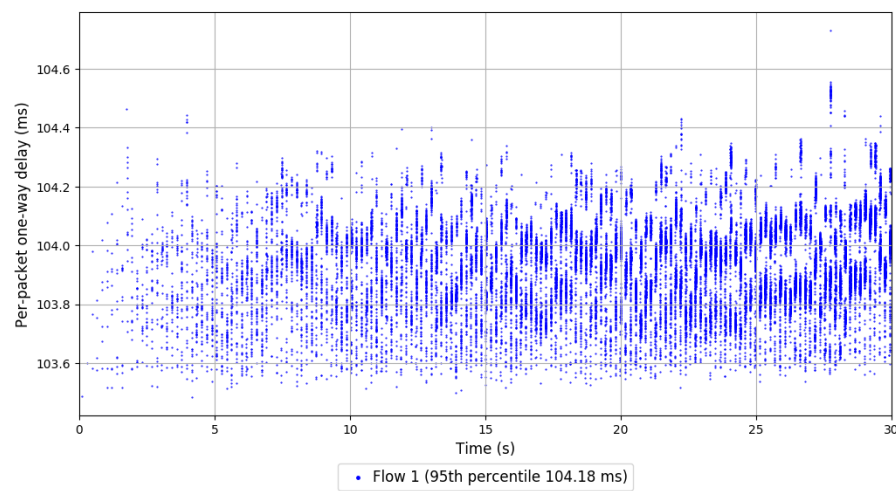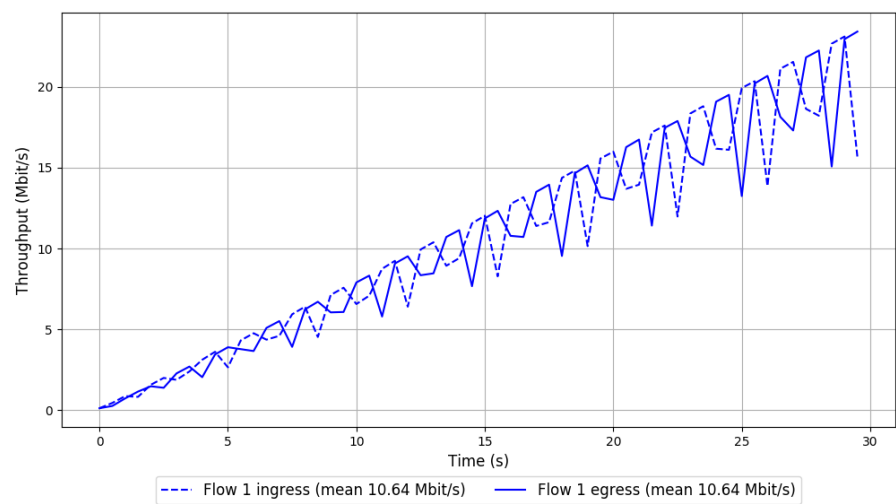
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.20 Mbit/s)   Flow 1 egress (mean 10.20 Mbit/s)

Flow 1 (95th percentile 102.45 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-04-03 10:33:47
End at: 2018-04-03 10:34:17
Local clock offset: -6.109 ms
Remote clock offset: 5.54 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 100.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 100.501 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2018-04-03 10:56:15
End at: 2018-04-03 10:56:46
Local clock offset: -5.746 ms
Remote clock offset: 10.865 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 104.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 104.183 ms
Loss rate: 0.00%
```
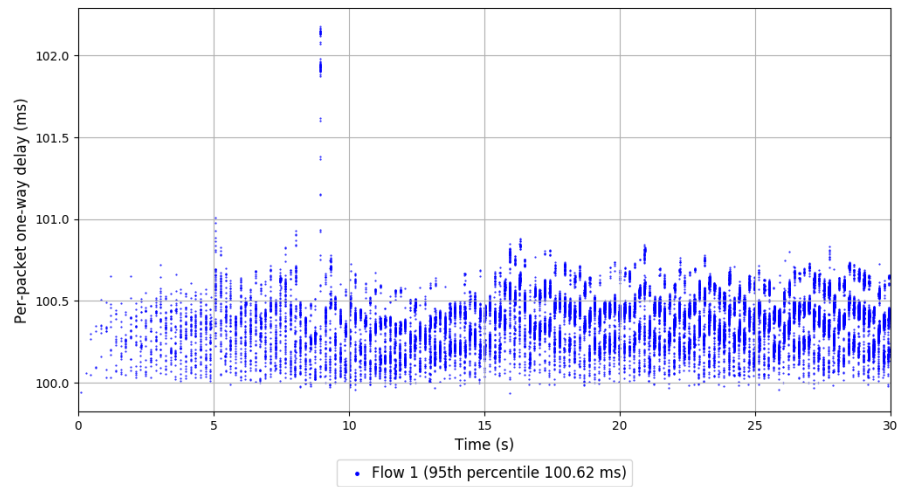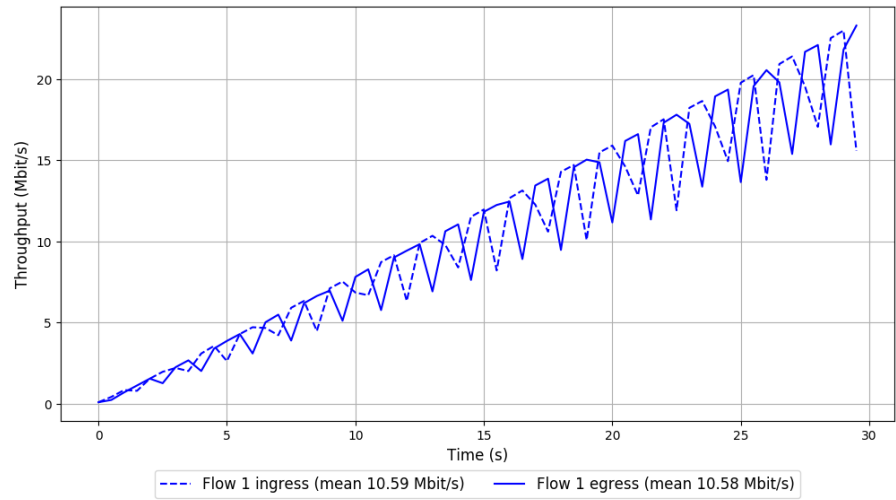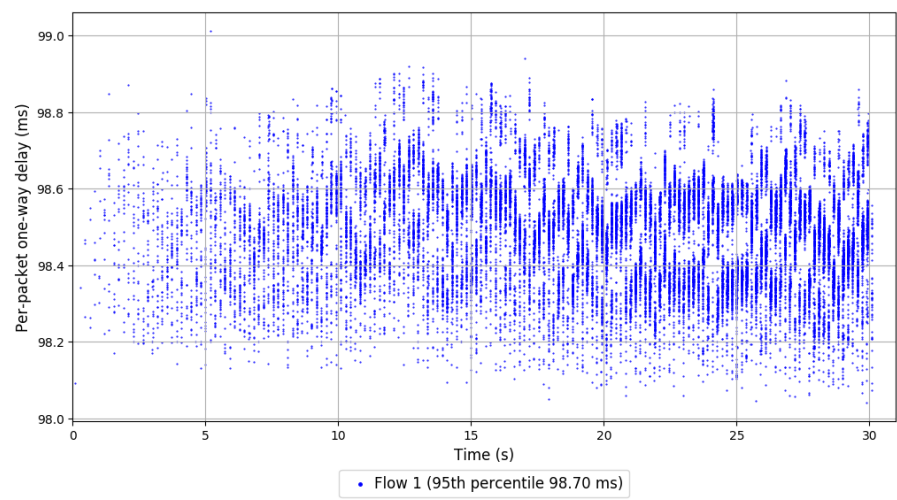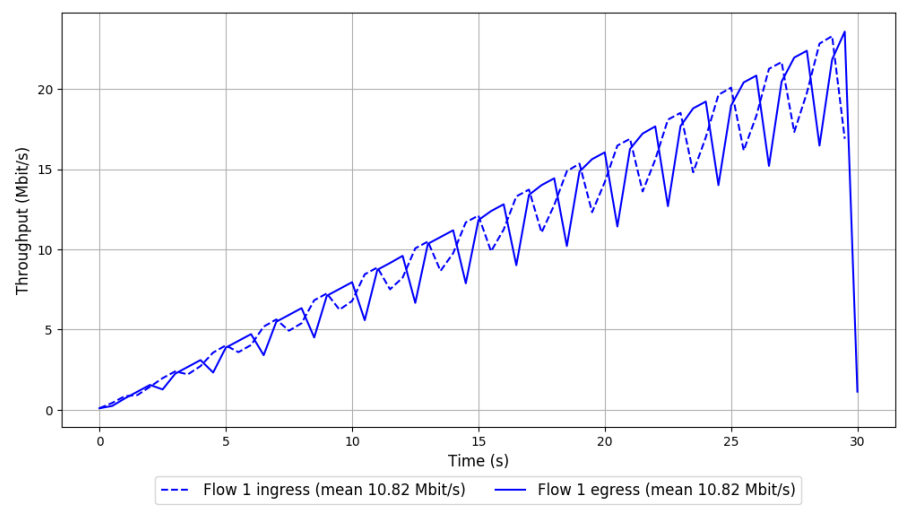
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.64 Mbit/s)   Flow 1 egress (mean 10.64 Mbit/s)

• Flow 1 (95th percentile 104.18 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-04-03 11:18:47
End at: 2018-04-03 11:19:17
Local clock offset: -6.095 ms
Remote clock offset: 4.376 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 100.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 100.620 ms
Loss rate: 0.00%
```
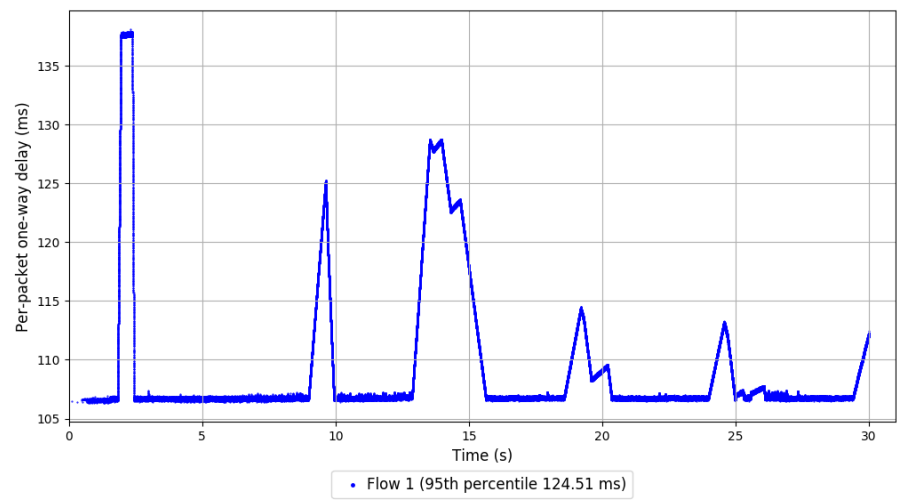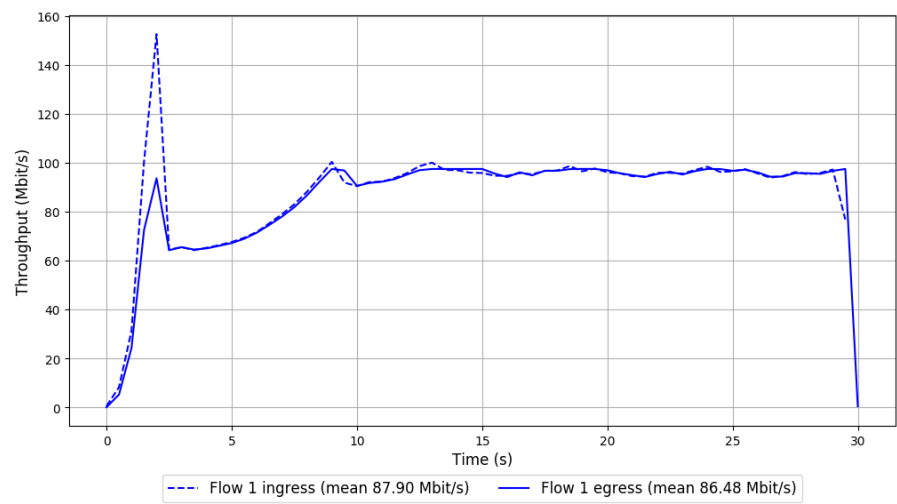
Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2018-04-03 11:41:18
End at: 2018-04-03 11:41:48
Local clock offset: -5.838 ms
Remote clock offset: 11.616 ms


# Below is generated by plot.py at 2018-04-03 12:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 98.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 98.703 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.82 Mbit/s)   —— Flow 1 egress (mean 10.82 Mbit/s)

• Flow 1 (95th percentile 98.70 ms)

```
Run 1: Statistics of PCC

Start at: 2018-04-03 08:26:22
End at: 2018-04-03 08:26:52
Local clock offset: -5.8 ms
Remote clock offset: 10.594 ms


# Below is generated by plot.py at 2018-04-03 12:19:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 124.506 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 124.506 ms
Loss rate: 1.59%
```
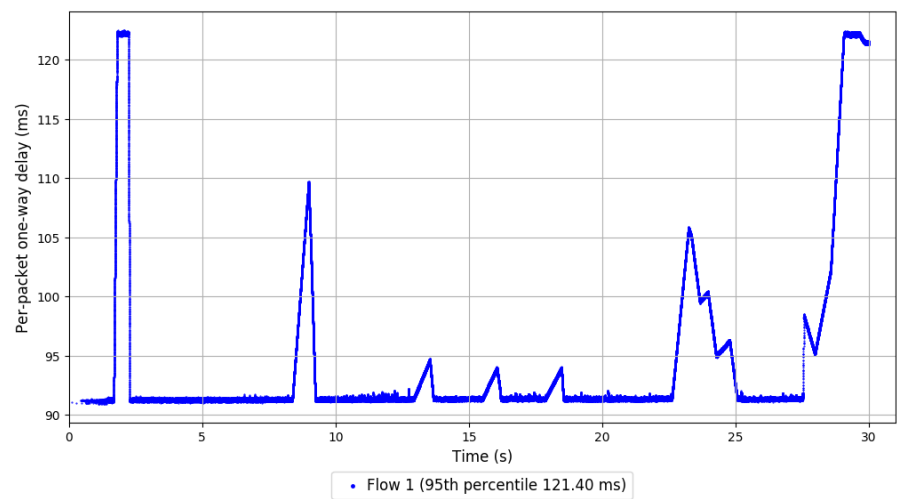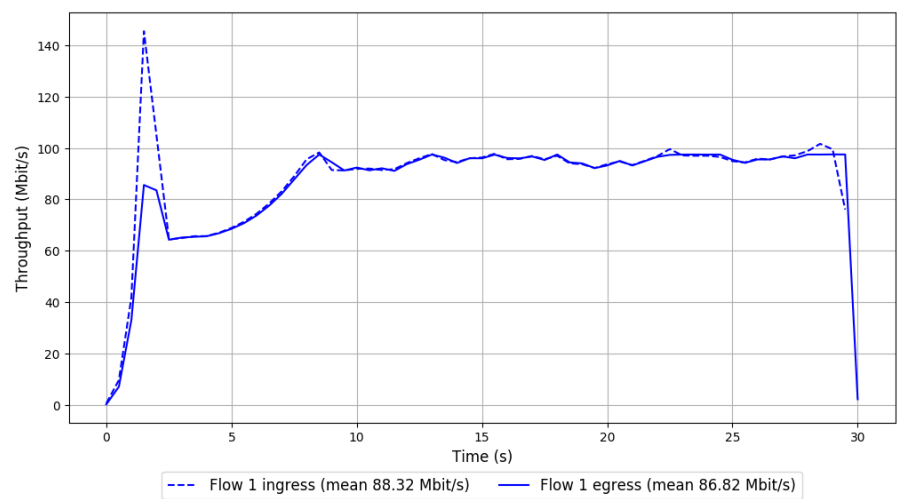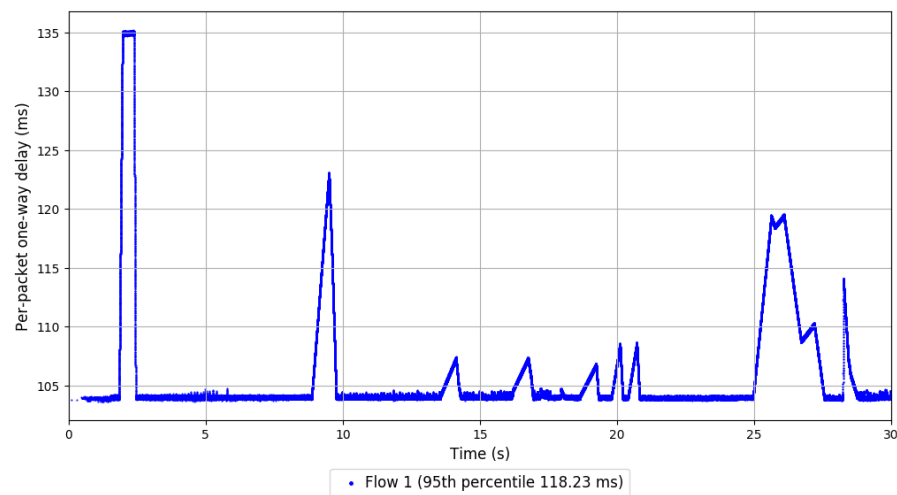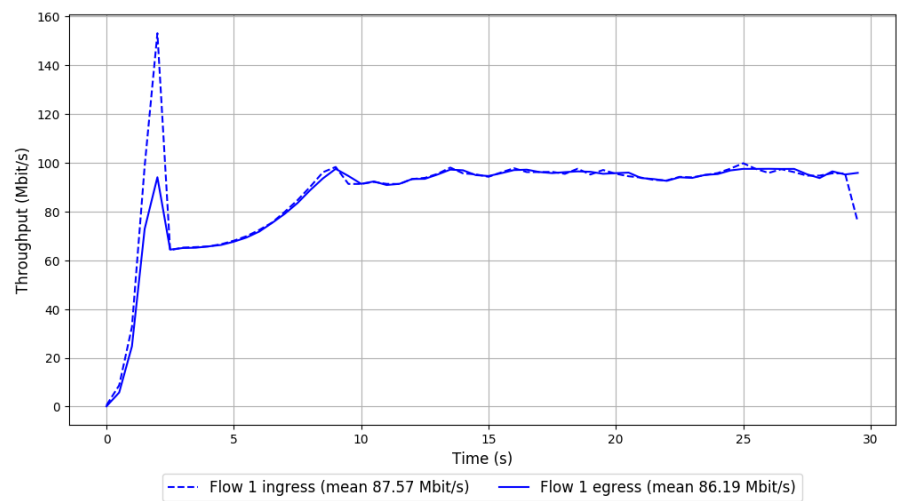
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 87.90 Mbit/s)   Flow 1 egress (mean 86.48 Mbit/s)

Flow 1 (95th percentile 124.51 ms)

```
Run 2: Statistics of PCC

Start at: 2018-04-03 08:48:47
End at: 2018-04-03 08:49:17
Local clock offset: -5.499 ms
Remote clock offset: 3.886 ms


# Below is generated by plot.py at 2018-04-03 12:20:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 121.396 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 121.396 ms
Loss rate: 1.59%
```
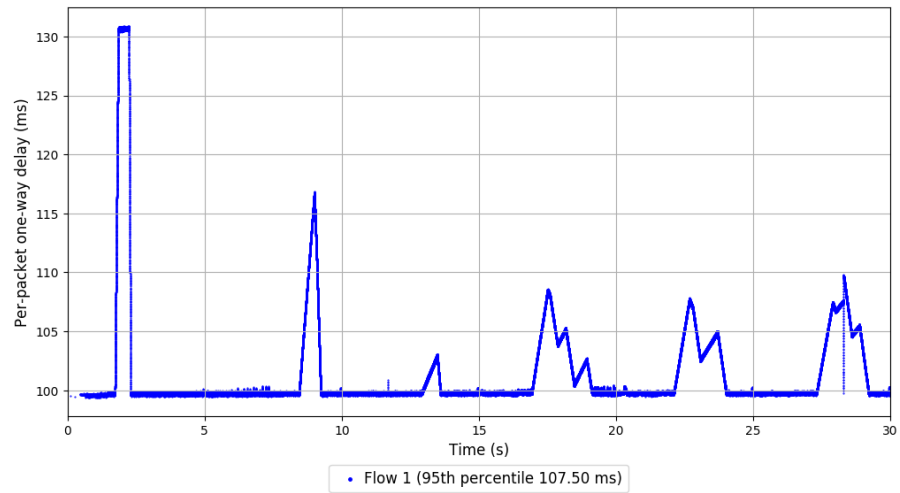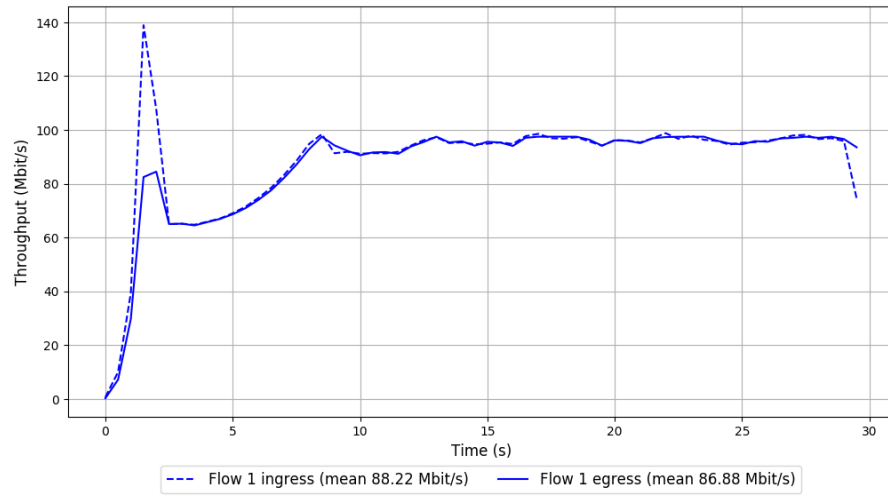
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 88.32 Mbit/s) —— Flow 1 egress (mean 86.82 Mbit/s)

• Flow 1 (95th percentile 121.40 ms)

```
Run 3: Statistics of PCC

Start at: 2018-04-03 09:11:20
End at: 2018-04-03 09:11:50
Local clock offset: -5.201 ms
Remote clock offset: 10.818 ms


# Below is generated by plot.py at 2018-04-03 12:20:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 118.235 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 118.235 ms
Loss rate: 1.58%
```
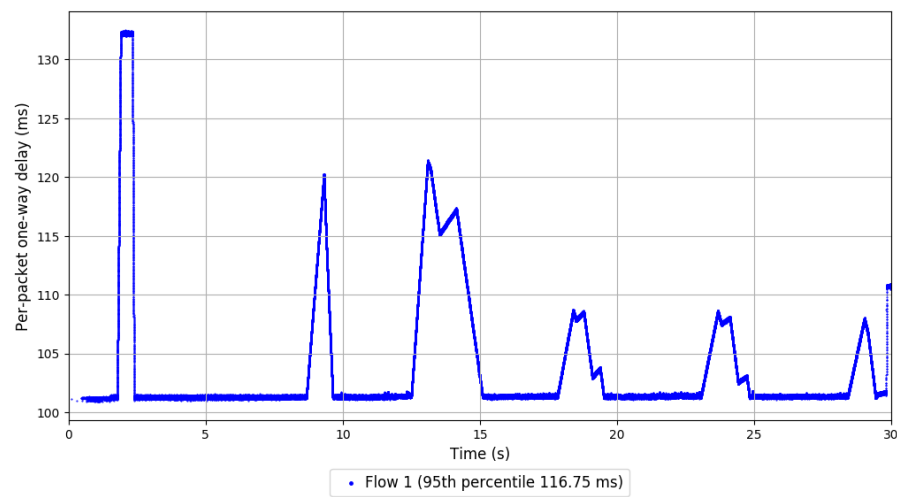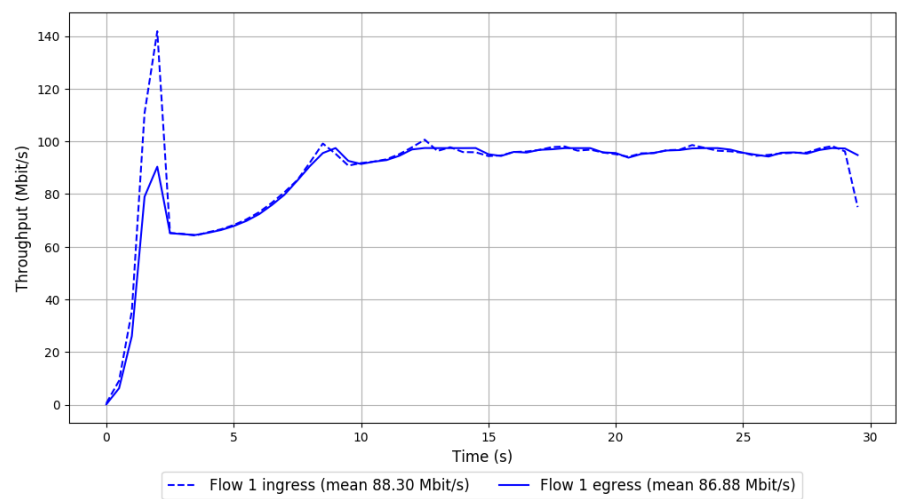
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 87.57 Mbit/s) —— Flow 1 egress (mean 86.19 Mbit/s)

• Flow 1 (95th percentile 118.23 ms)

```
Run 4: Statistics of PCC

Start at: 2018-04-03 09:33:53
End at: 2018-04-03 09:34:23
Local clock offset: -6.506 ms
Remote clock offset: 11.322 ms


# Below is generated by plot.py at 2018-04-03 12:20:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 107.495 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 107.495 ms
Loss rate: 1.51%
```
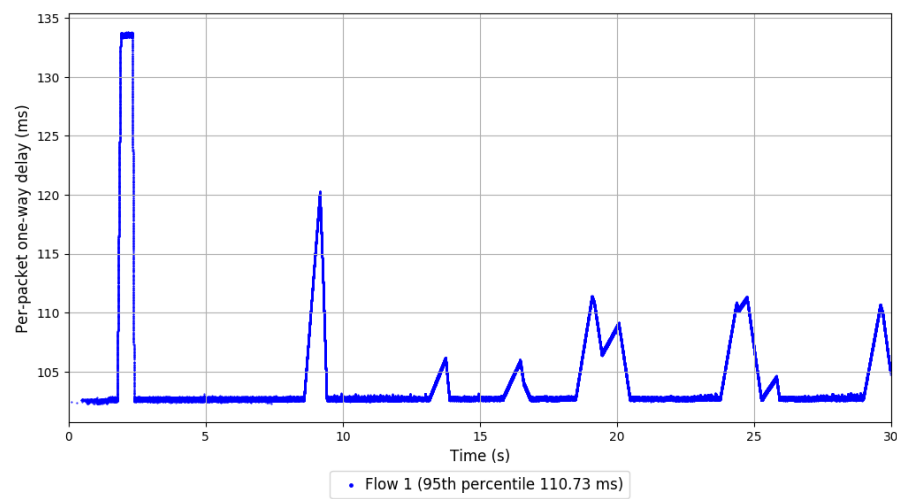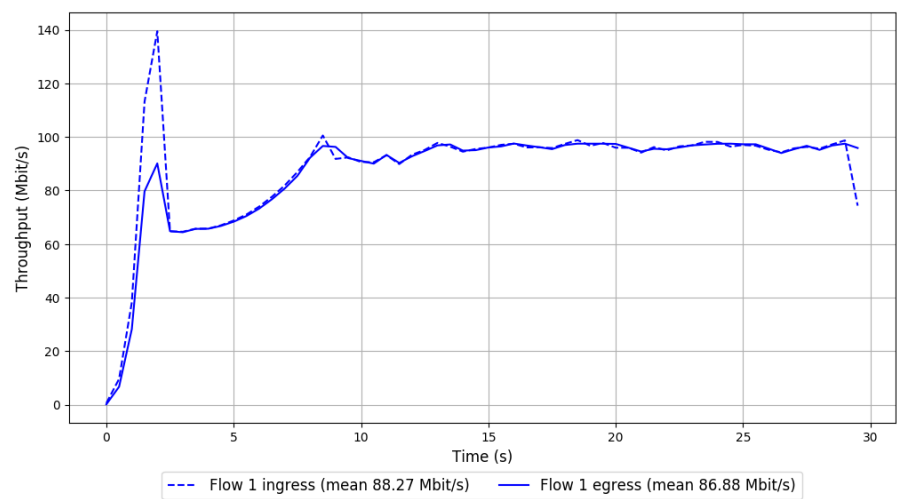
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 88.22 Mbit/s) --- Flow 1 egress (mean 86.88 Mbit/s)

• Flow 1 (95th percentile 107.50 ms)

```
Run 5: Statistics of PCC

Start at: 2018-04-03 09:56:14
End at: 2018-04-03 09:56:44
Local clock offset: -6.719 ms
Remote clock offset: 11.472 ms


# Below is generated by plot.py at 2018-04-03 12:20:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 116.746 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 116.746 ms
Loss rate: 1.57%
```
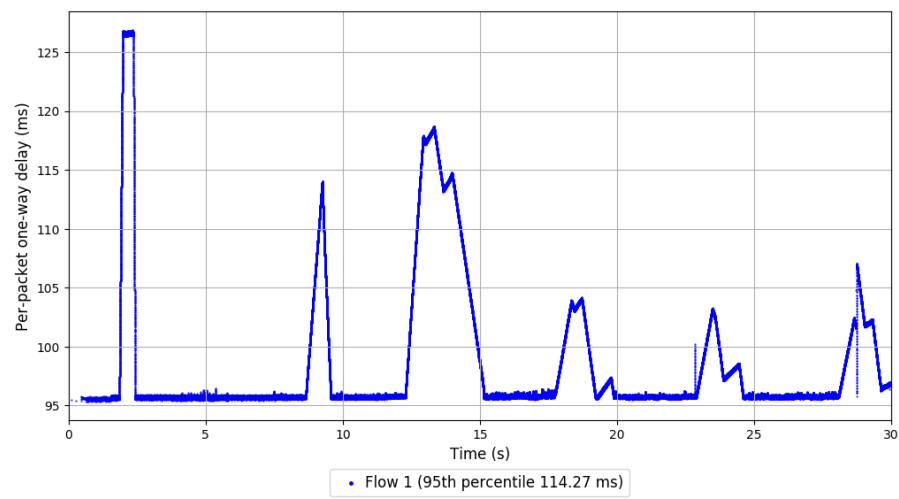
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 88.30 Mbit/s) — Flow 1 egress (mean 86.88 Mbit/s)

Flow 1 (95th percentile 116.75 ms)

```
Run 6: Statistics of PCC

Start at: 2018-04-03 10:18:44
End at: 2018-04-03 10:19:14
Local clock offset: -6.807 ms
Remote clock offset: 10.982 ms


# Below is generated by plot.py at 2018-04-03 12:20:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 110.733 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 110.733 ms
Loss rate: 1.57%
```
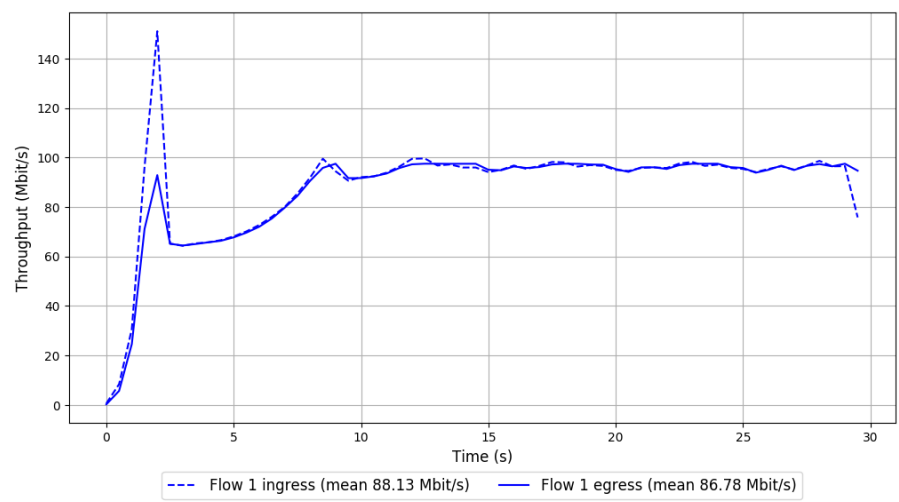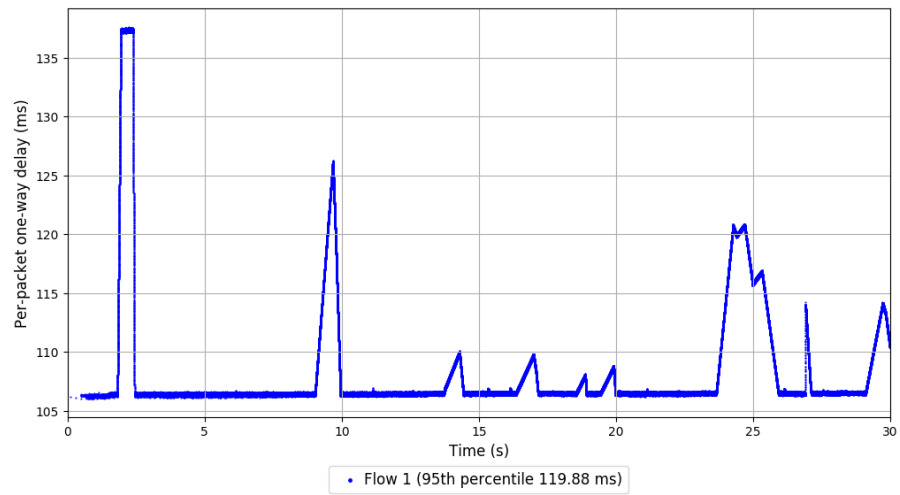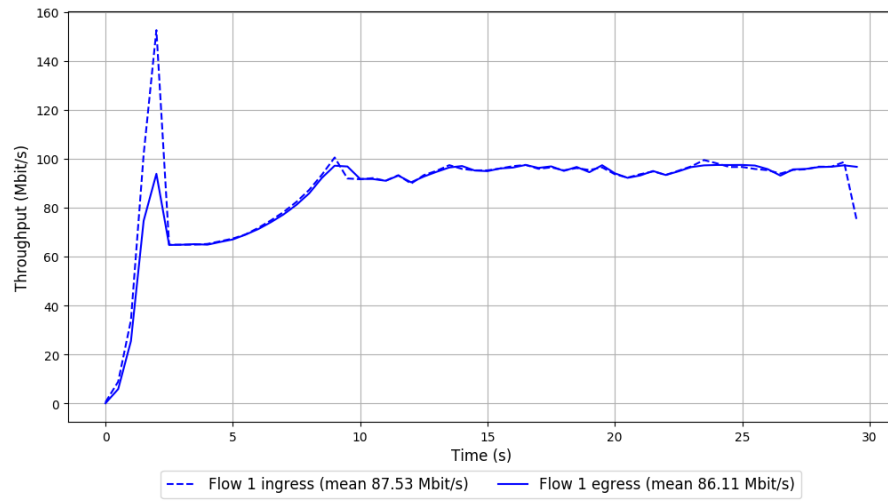
Run 6: Report of PCC — Data Link

```
Run 7: Statistics of PCC

Start at: 2018-04-03 10:41:12
End at: 2018-04-03 10:41:42
Local clock offset: -5.9 ms
Remote clock offset: 6.64 ms


# Below is generated by plot.py at 2018-04-03 12:20:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 114.271 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 114.271 ms
Loss rate: 1.52%
```
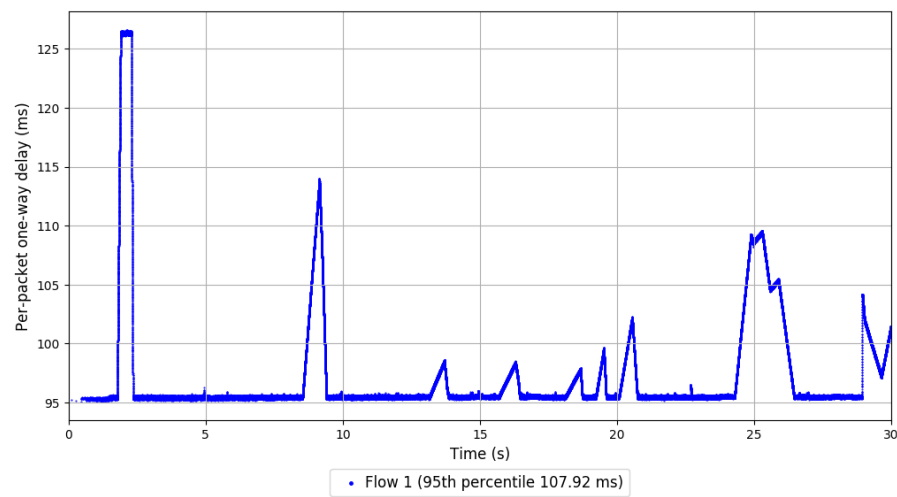
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 88.13 Mbit/s)   Flow 1 egress (mean 86.78 Mbit/s)

Flow 1 (95th percentile 114.27 ms)

```
Run 8: Statistics of PCC

Start at: 2018-04-03 11:03:42
End at: 2018-04-03 11:04:12
Local clock offset: -5.896 ms
Remote clock offset: 11.256 ms


# Below is generated by plot.py at 2018-04-03 12:20:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 119.883 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 119.883 ms
Loss rate: 1.61%
```
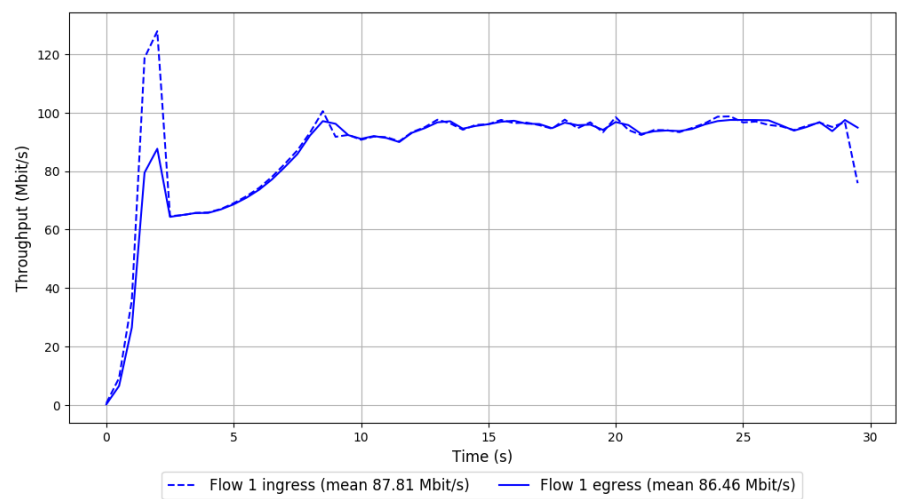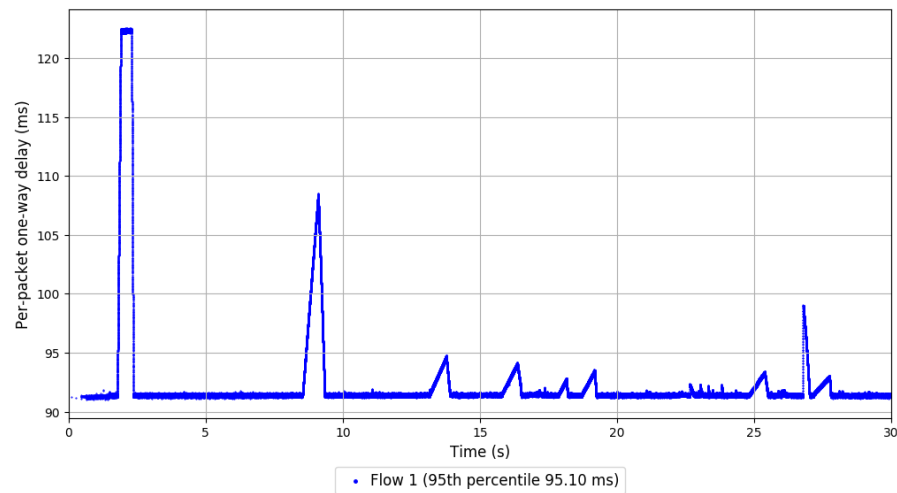
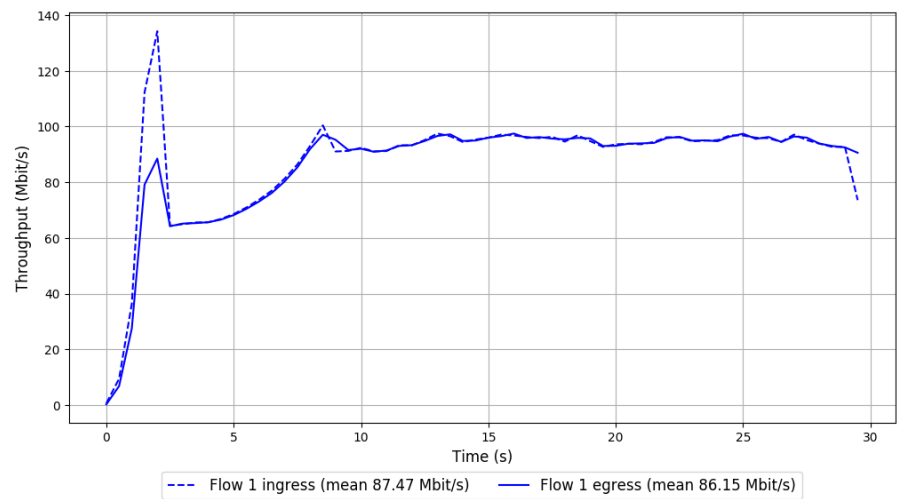## Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: 2018-04-03 11:26:12
End at: 2018-04-03 11:26:42
Local clock offset: -6.025 ms
Remote clock offset: 5.118 ms


# Below is generated by plot.py at 2018-04-03 12:21:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 107.915 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 107.915 ms
Loss rate: 1.52%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 87.81 Mbit/s) — Flow 1 egress (mean 86.46 Mbit/s)

Flow 1 (95th percentile 107.92 ms)

```
Run 10: Statistics of PCC

Start at: 2018-04-03 11:48:45
End at: 2018-04-03 11:49:15
Local clock offset: -5.702 ms
Remote clock offset: 12.042 ms


# Below is generated by plot.py at 2018-04-03 12:21:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 95.099 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 95.099 ms
Loss rate: 1.51%
```
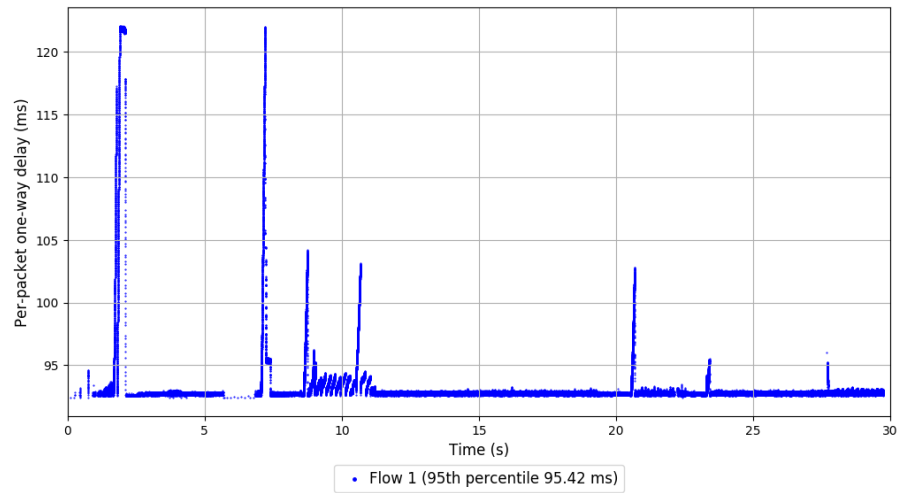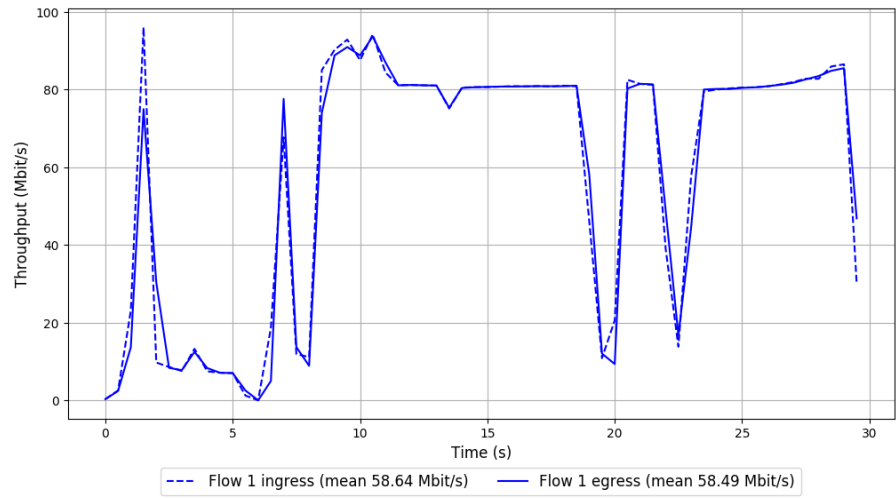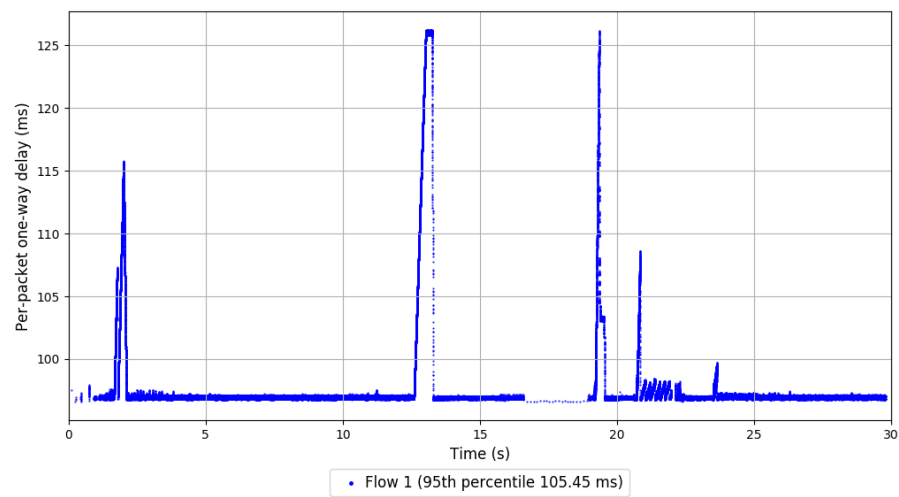
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 87.47 Mbit/s)   Flow 1 egress (mean 86.15 Mbit/s)

Flow 1 (95th percentile 95.10 ms)

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 08:07:50
End at: 2018-04-03 08:08:20
Local clock offset: -6.324 ms
Remote clock offset: 4.308 ms


# Below is generated by plot.py at 2018-04-03 12:21:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 95.422 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 95.422 ms
Loss rate: 0.26%
```
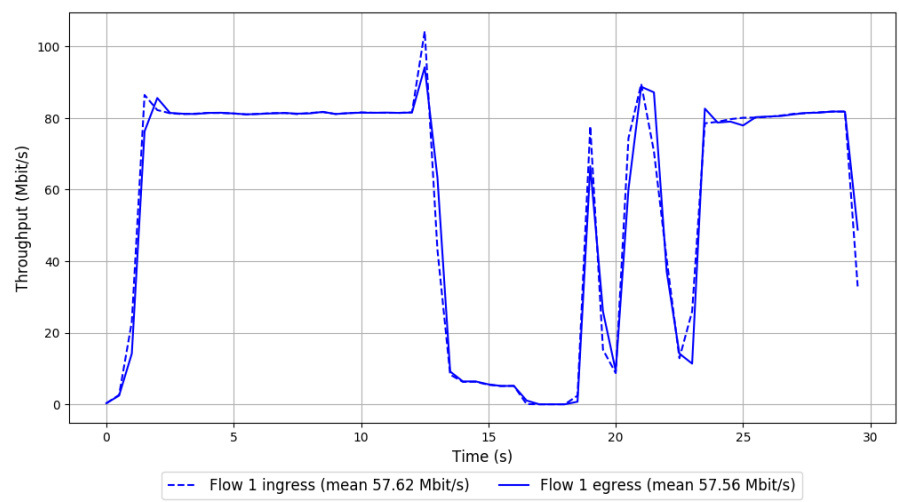
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-04-03 08:30:02
End at: 2018-04-03 08:30:32
Local clock offset: -5.863 ms
Remote clock offset: 9.691 ms


# Below is generated by plot.py at 2018-04-03 12:21:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 105.448 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 105.448 ms
Loss rate: 0.10%
```
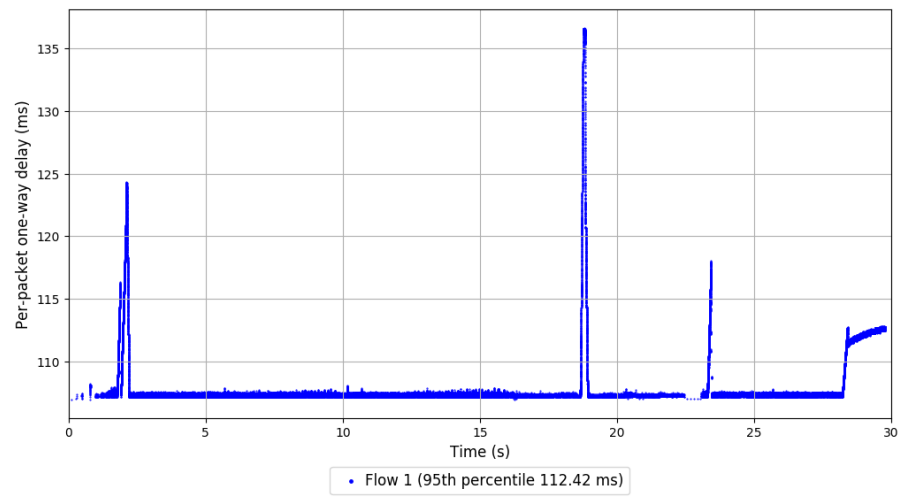
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-04-03 08:52:28
End at: 2018-04-03 08:52:58
Local clock offset: -5.39 ms
Remote clock offset: 11.181 ms


# Below is generated by plot.py at 2018-04-03 12:21:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.91 Mbit/s
95th percentile per-packet one-way delay: 112.424 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 61.91 Mbit/s
95th percentile per-packet one-way delay: 112.424 ms
Loss rate: 0.13%
```
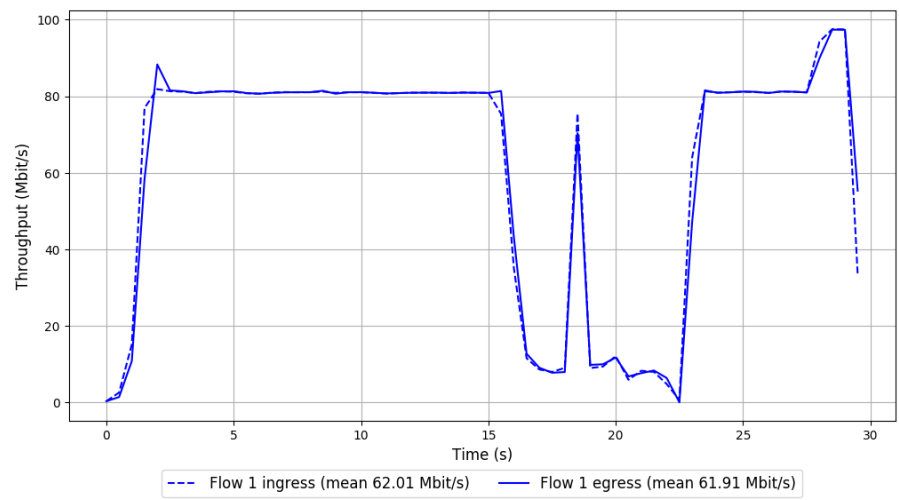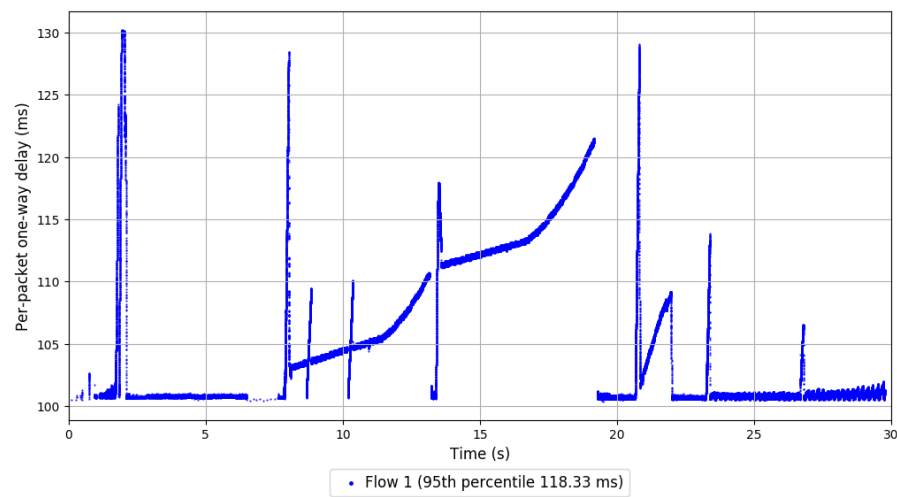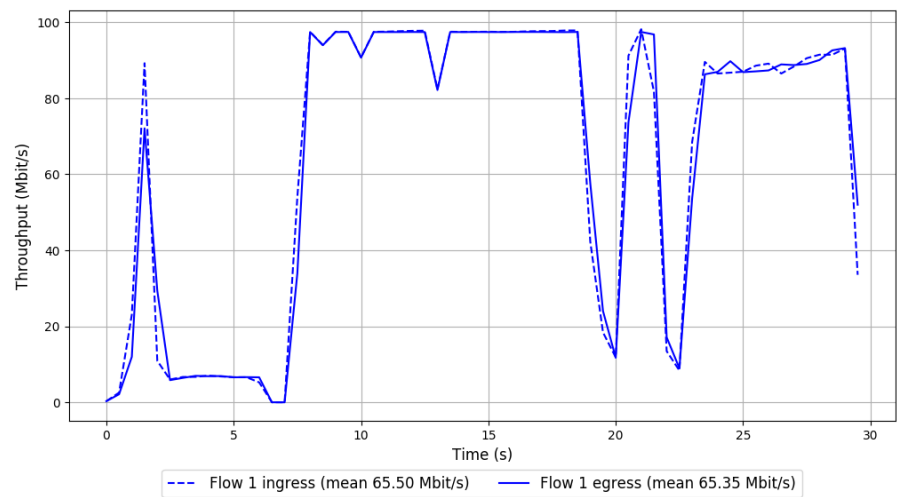
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-04-03 09:15:01
End at: 2018-04-03 09:15:31
Local clock offset: -5.242 ms
Remote clock offset: 10.807 ms


# Below is generated by plot.py at 2018-04-03 12:21:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 118.335 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 118.335 ms
Loss rate: 0.24%
```

Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-04-03 09:37:35
End at: 2018-04-03 09:38:05
Local clock offset: -6.586 ms
Remote clock offset: 11.48 ms


# Below is generated by plot.py at 2018-04-03 12:22:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 109.701 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 109.701 ms
Loss rate: 0.10%
```
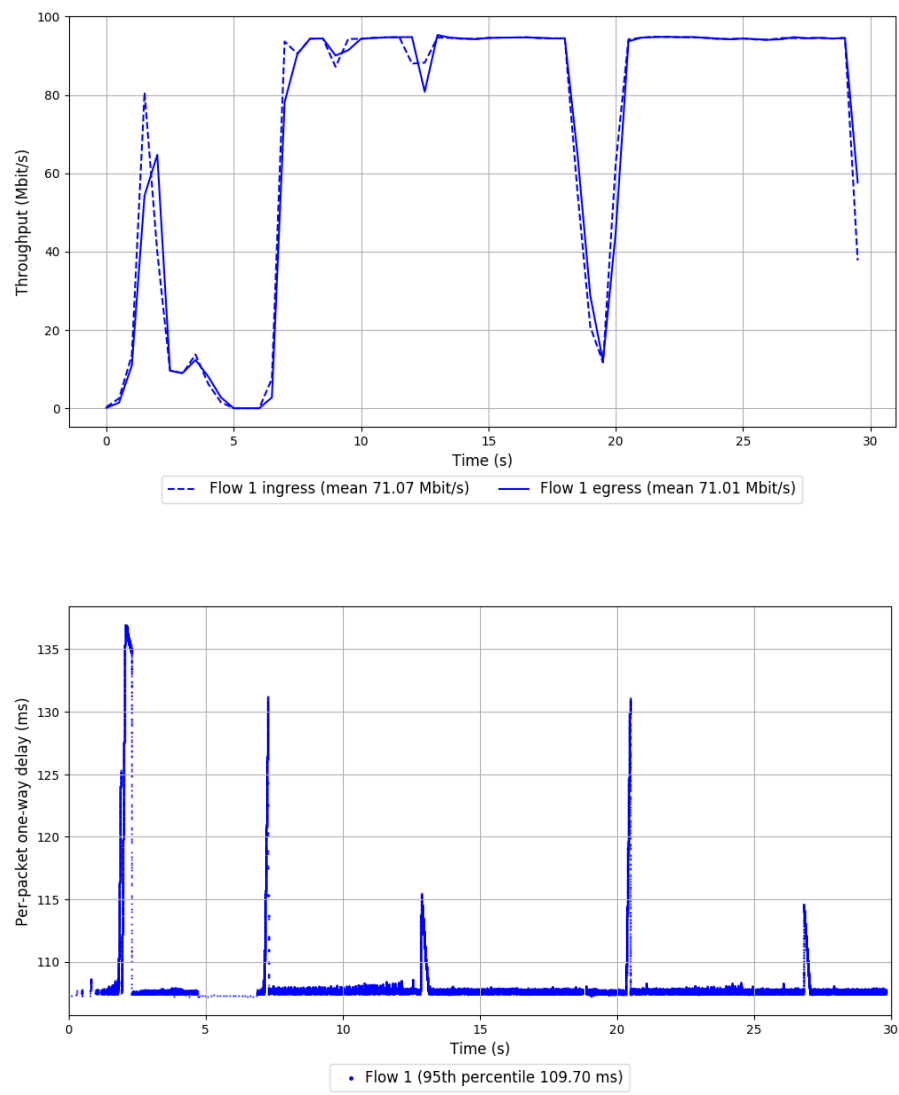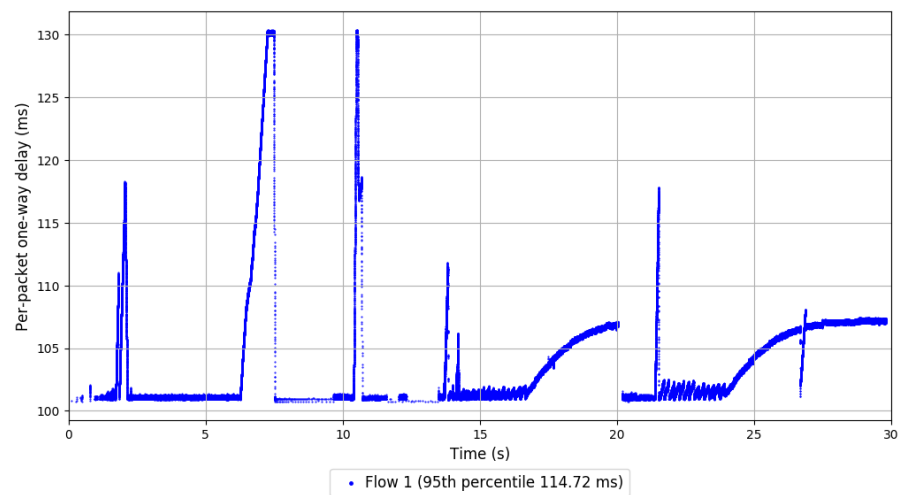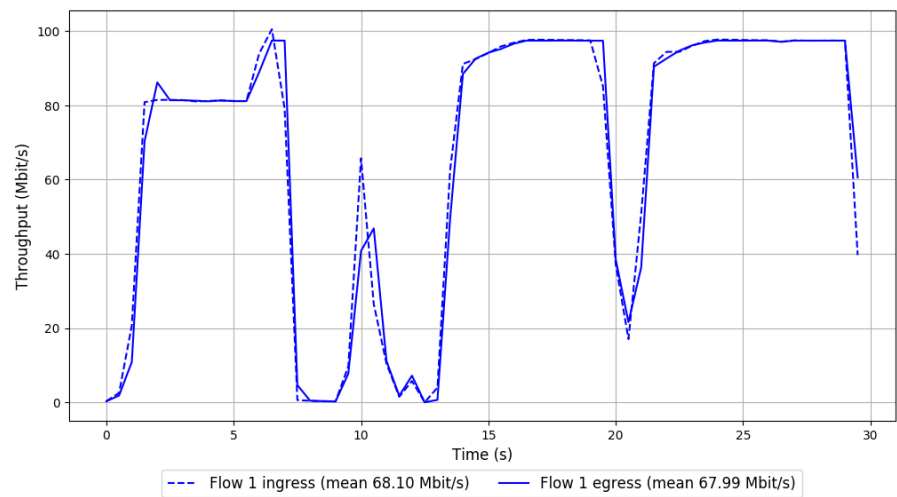
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 71.07 Mbit/s)   Flow 1 egress (mean 71.01 Mbit/s)

Flow 1 (95th percentile 109.70 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-04-03 09:59:54
End at: 2018-04-03 10:00:24
Local clock offset: -6.693 ms
Remote clock offset: 11.471 ms


# Below is generated by plot.py at 2018-04-03 12:22:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.99 Mbit/s
95th percentile per-packet one-way delay: 114.724 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 67.99 Mbit/s
95th percentile per-packet one-way delay: 114.724 ms
Loss rate: 0.15%
```
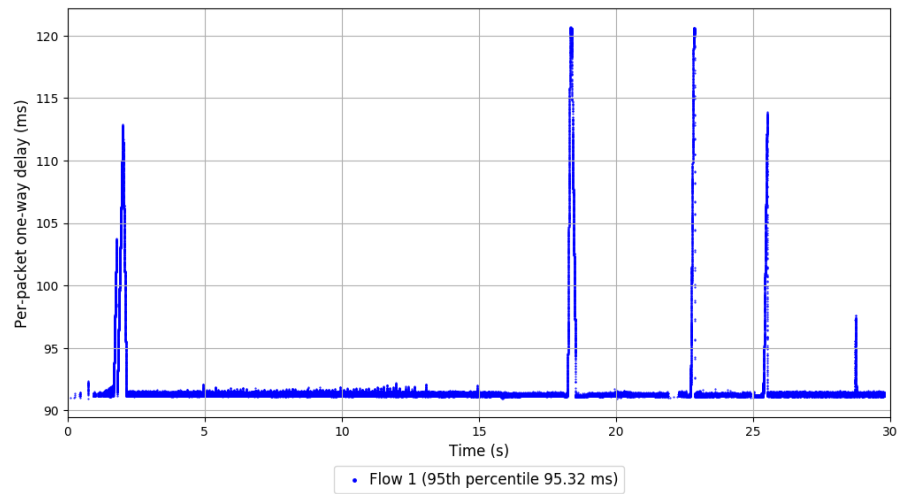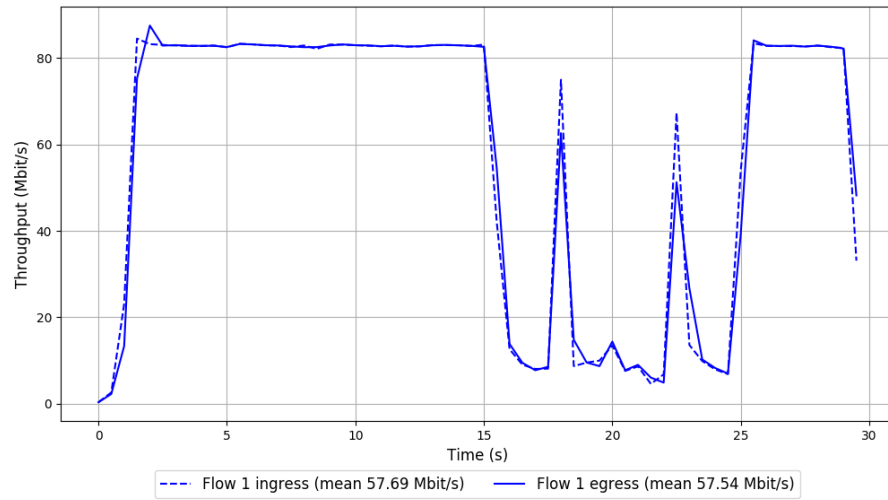
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 68.10 Mbit/s)   Flow 1 egress (mean 67.99 Mbit/s)

Flow 1 (95th percentile 114.72 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-04-03 10:22:24
End at: 2018-04-03 10:22:54
Local clock offset: -6.815 ms
Remote clock offset: 4.923 ms


# Below is generated by plot.py at 2018-04-03 12:22:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 95.318 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 95.318 ms
Loss rate: 0.26%
```
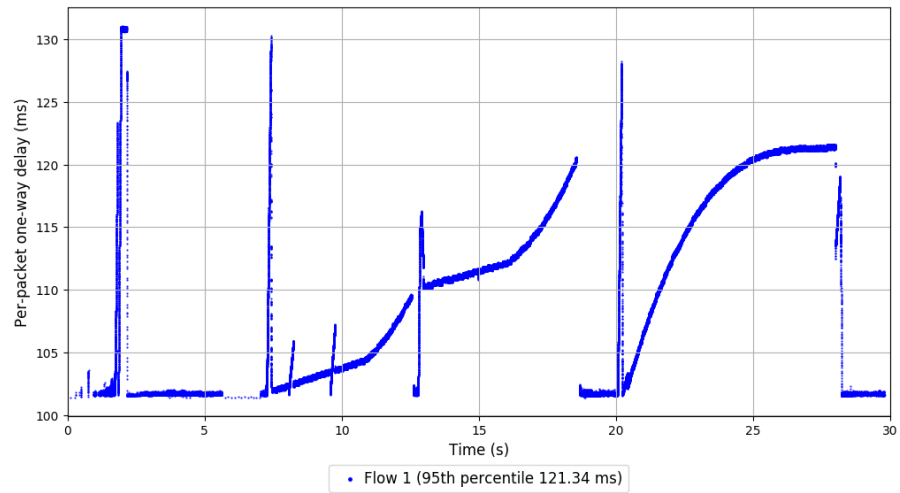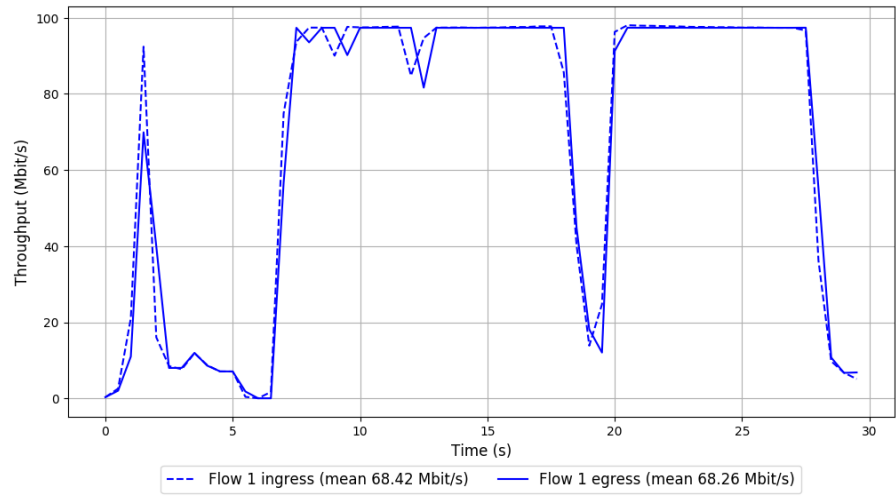
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 57.69 Mbit/s) --- Flow 1 egress (mean 57.54 Mbit/s)

Flow 1 (95th percentile 95.32 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-04-03 10:44:53
End at: 2018-04-03 10:45:23
Local clock offset: -5.866 ms
Remote clock offset: 13.046 ms

# Below is generated by plot.py at 2018-04-03 12:22:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.26 Mbit/s
95th percentile per-packet one-way delay: 121.337 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 68.26 Mbit/s
95th percentile per-packet one-way delay: 121.337 ms
Loss rate: 0.23%
```
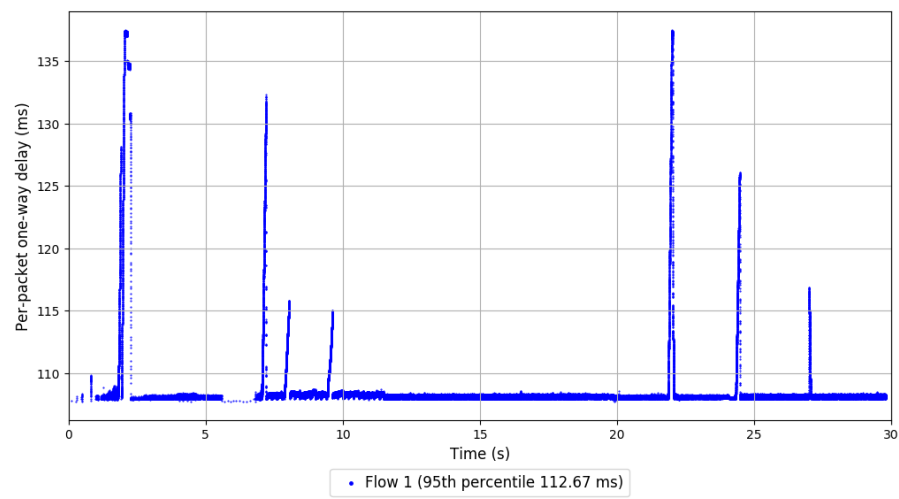
Run 8: Report of QUIC Cubic — Data Link

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```
Run 9: Statistics of QUIC Cubic

Start at: 2018-04-03 11:07:22
End at: 2018-04-03 11:07:52
Local clock offset: -5.96 ms
Remote clock offset: 11.01 ms


# Below is generated by plot.py at 2018-04-03 12:22:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 112.669 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 112.669 ms
Loss rate: 0.26%
```
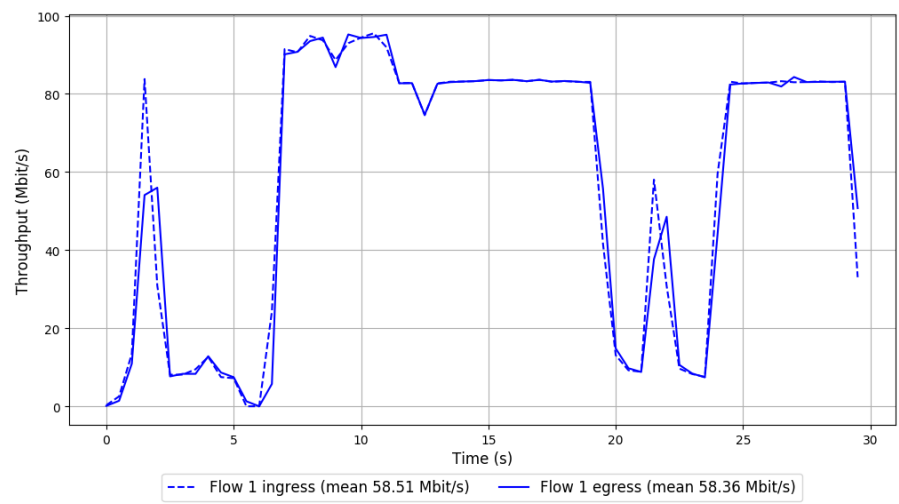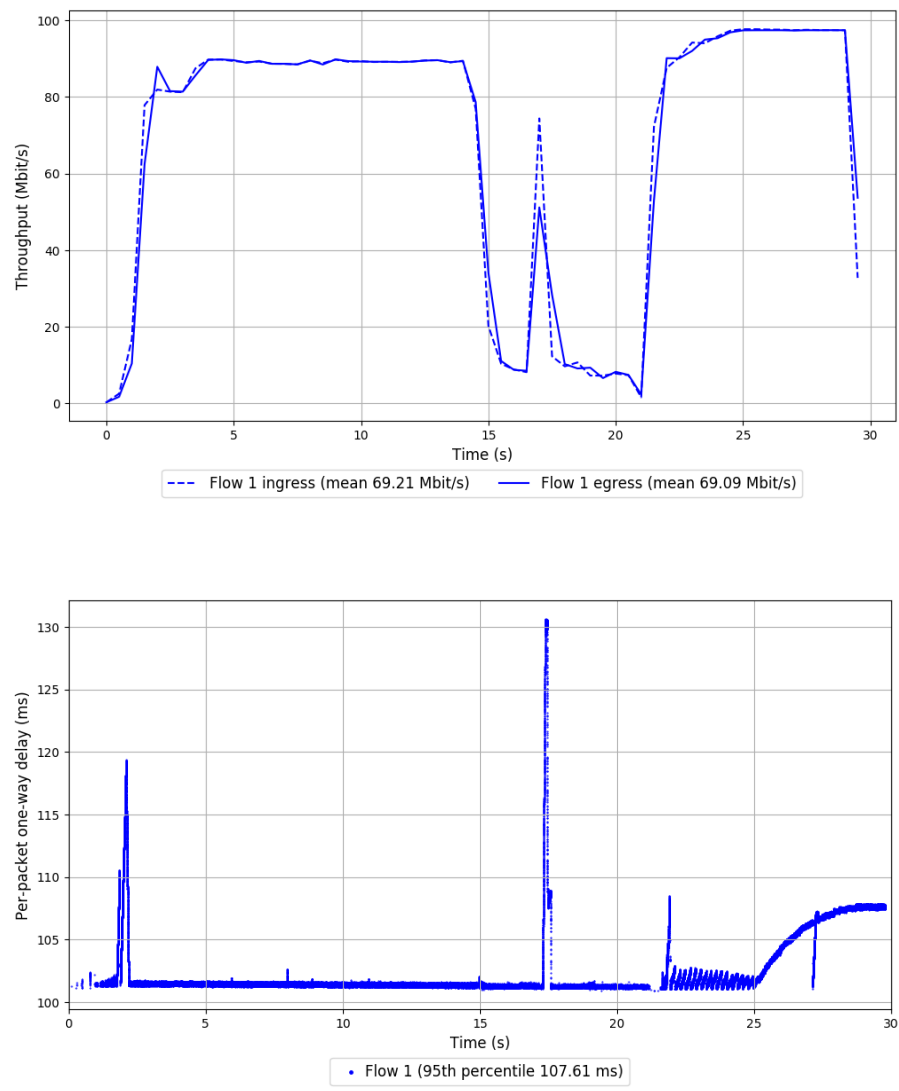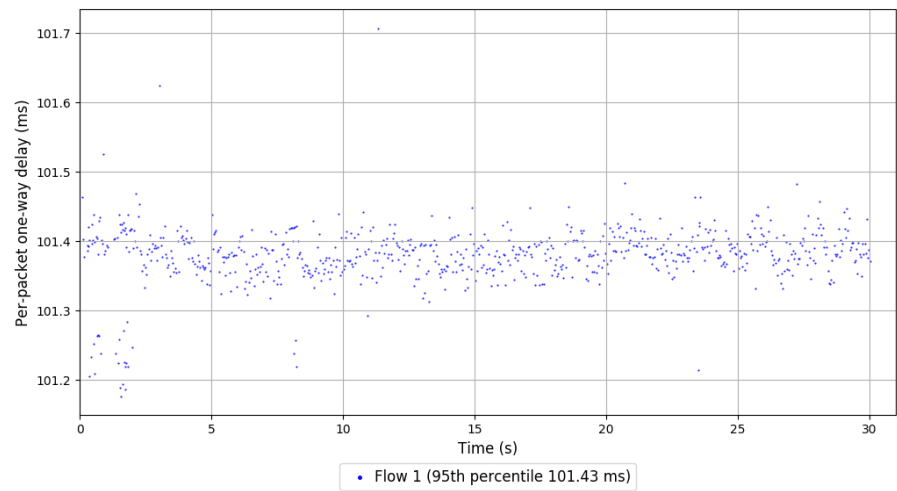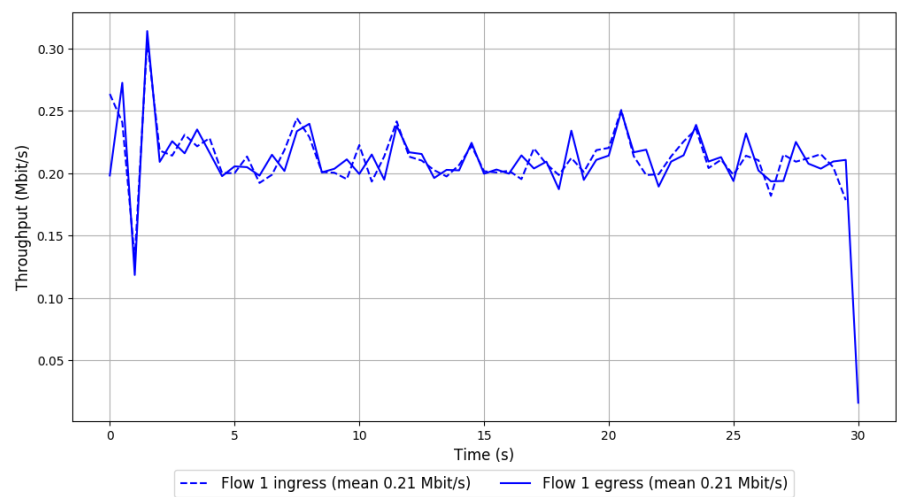
Run 9: Report of QUIC Cubic — Data Link

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-04-03 11:29:54
End at: 2018-04-03 11:30:24
Local clock offset: -6.049 ms
Remote clock offset: 6.793 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.09 Mbit/s
95th percentile per-packet one-way delay: 107.605 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 69.09 Mbit/s
95th percentile per-packet one-way delay: 107.605 ms
Loss rate: 0.16%
```
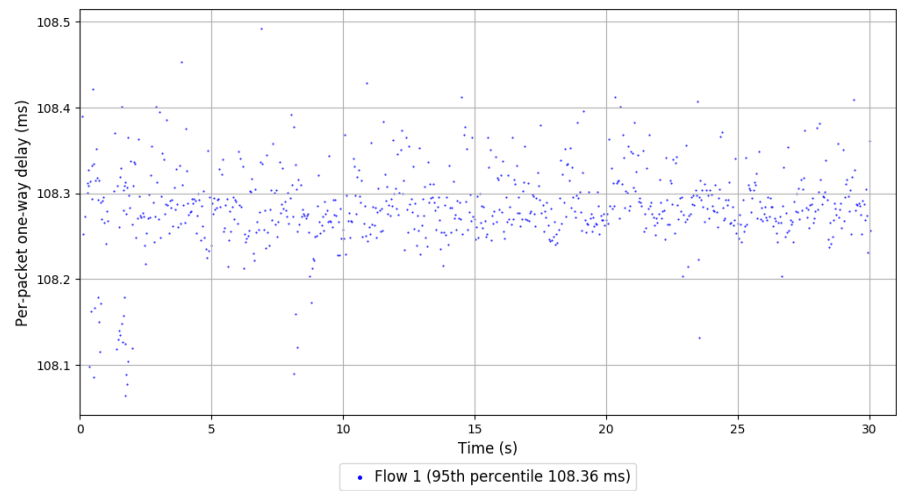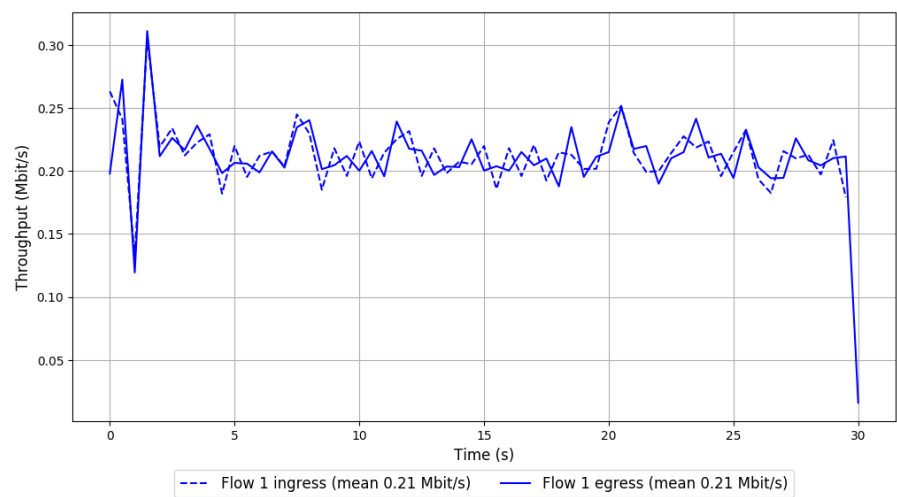
Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2018-04-03 08:16:35
End at: 2018-04-03 08:17:05
Local clock offset: -6.022 ms
Remote clock offset: 5.321 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 101.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 101.430 ms
Loss rate: 0.00%
```
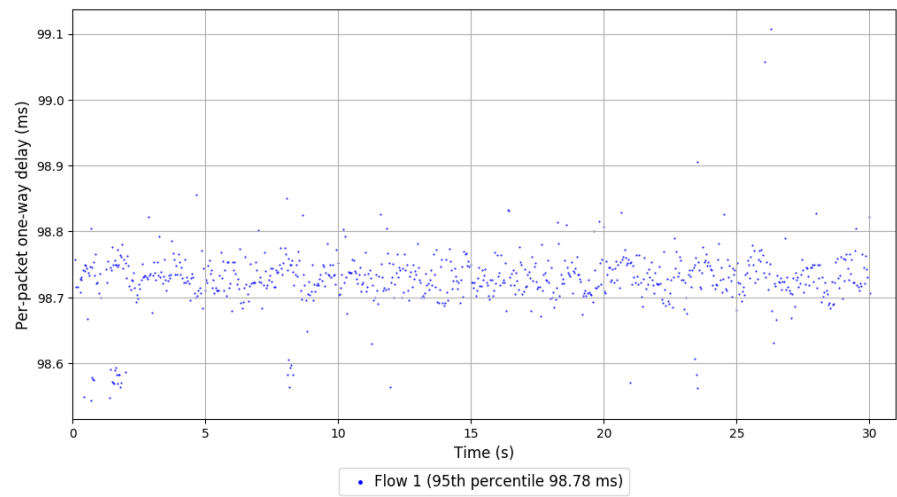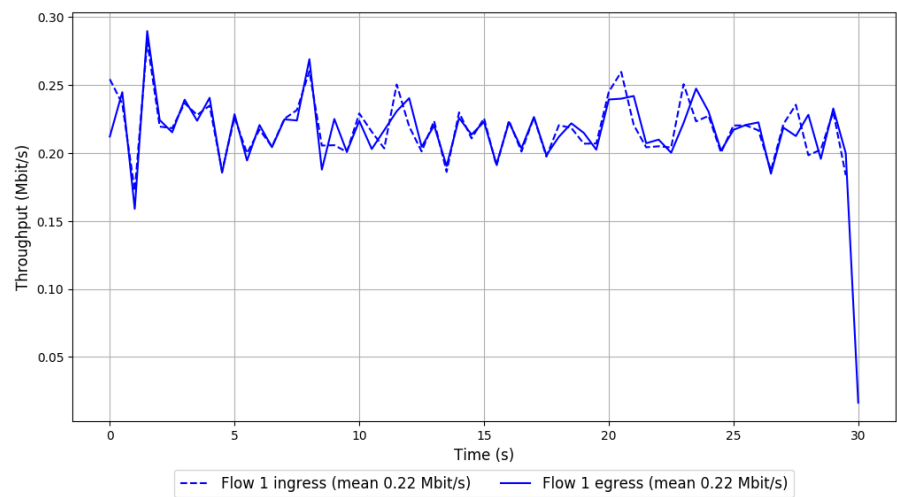
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2018-04-03 08:39:02
End at: 2018-04-03 08:39:32
Local clock offset: -5.77 ms
Remote clock offset: 10.503 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 108.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 108.365 ms
Loss rate: 0.00%
```
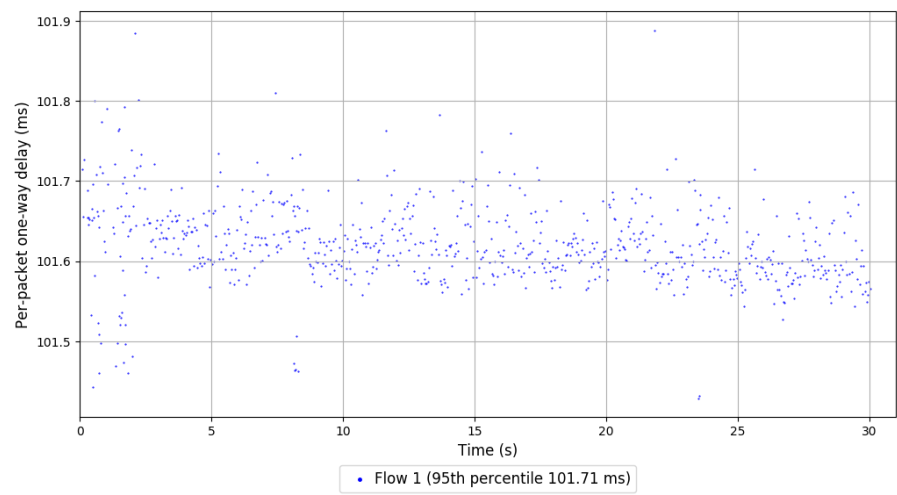
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2018-04-03 09:01:29
End at: 2018-04-03 09:01:59
Local clock offset: -5.304 ms
Remote clock offset: 10.141 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.775 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 98.78 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-04-03 09:24:04
End at: 2018-04-03 09:24:34
Local clock offset: -6.043 ms
Remote clock offset: 10.821 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.707 ms
Loss rate: 0.00%
```
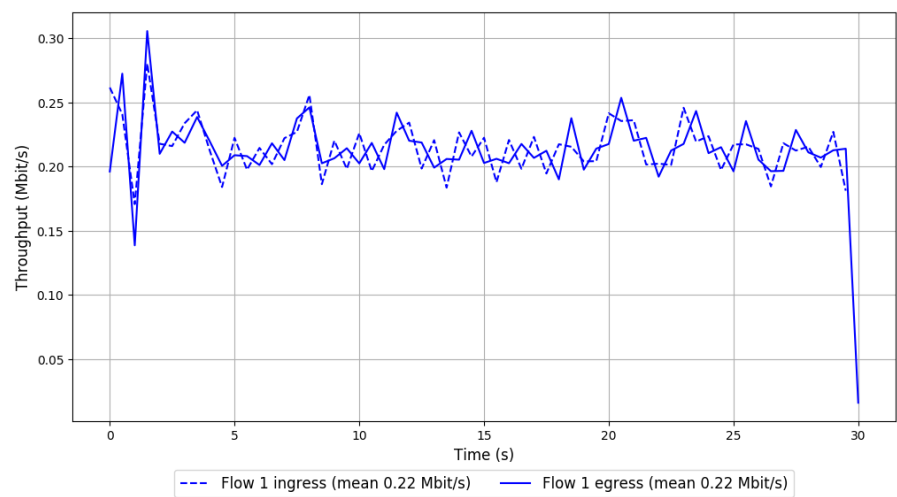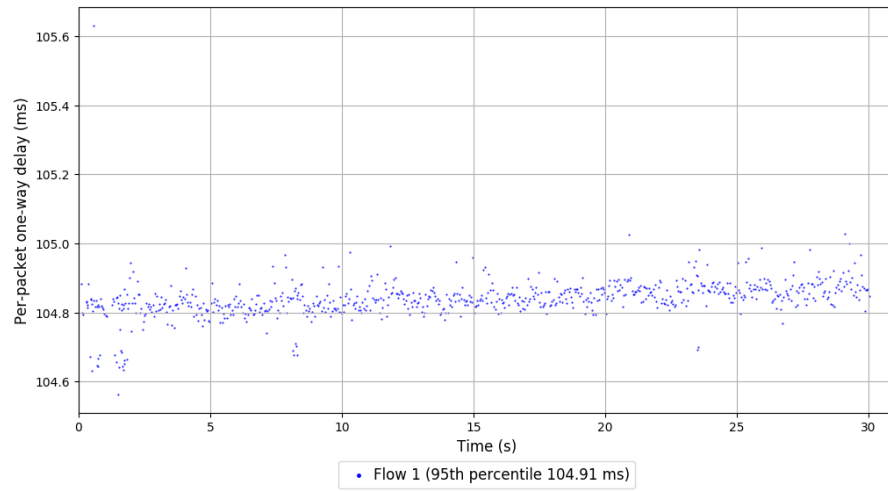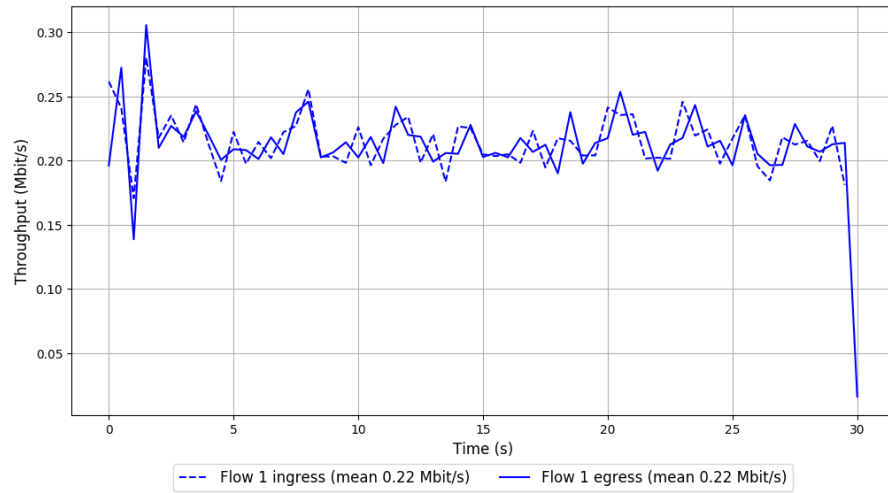
Run 4: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 101.71 ms)

```
Run 5: Statistics of SCReAM

Start at: 2018-04-03 09:46:23
End at: 2018-04-03 09:46:53
Local clock offset: -6.821 ms
Remote clock offset: 12.617 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 104.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 104.909 ms
Loss rate: 0.00%
```
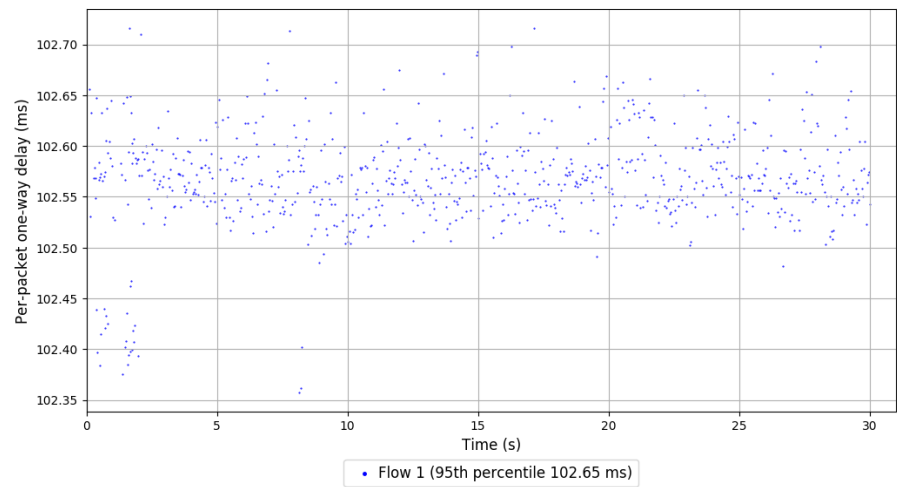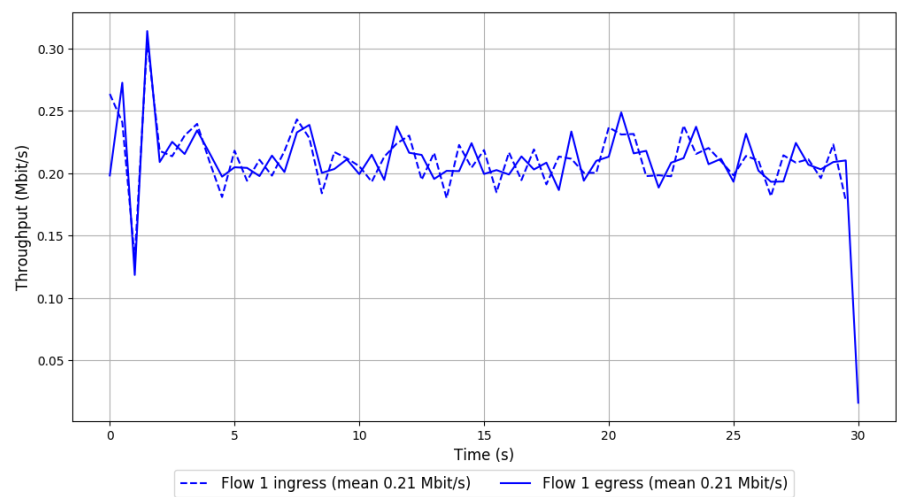
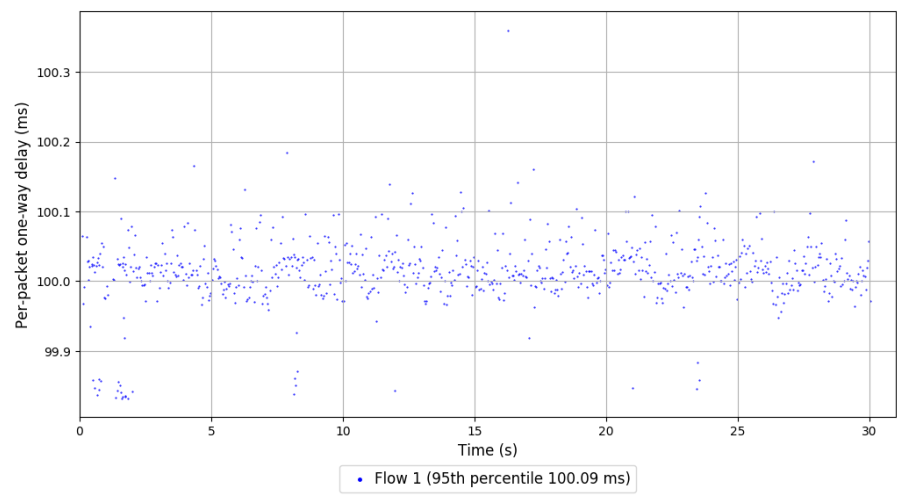Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2018-04-03 10:08:56
End at: 2018-04-03 10:09:26
Local clock offset: -6.781 ms
Remote clock offset: 5.738 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.646 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s) --- Flow 1 egress (mean 0.21 Mbit/s)

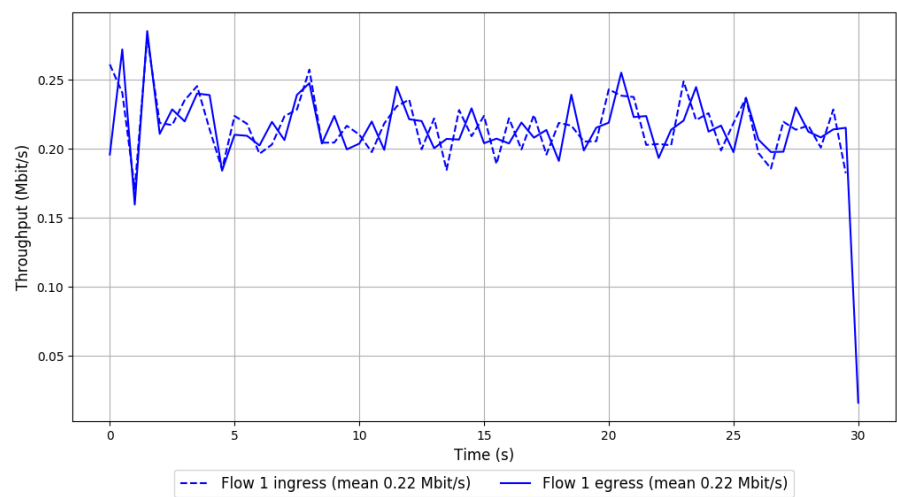Flow 1 (95th percentile 102.65 ms)

```
Run 7: Statistics of SCReAM

Start at: 2018-04-03 10:31:24
End at: 2018-04-03 10:31:54
Local clock offset: -6.213 ms
Remote clock offset: 10.891 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.090 ms
Loss rate: 0.00%
```
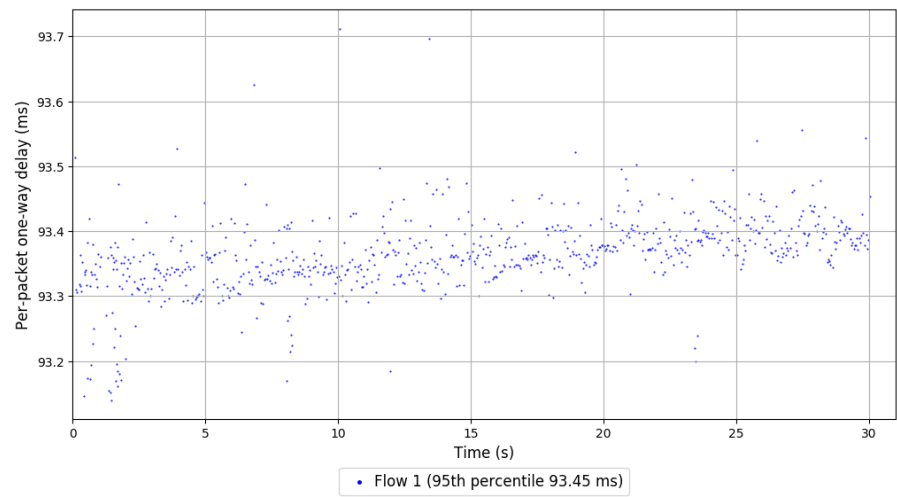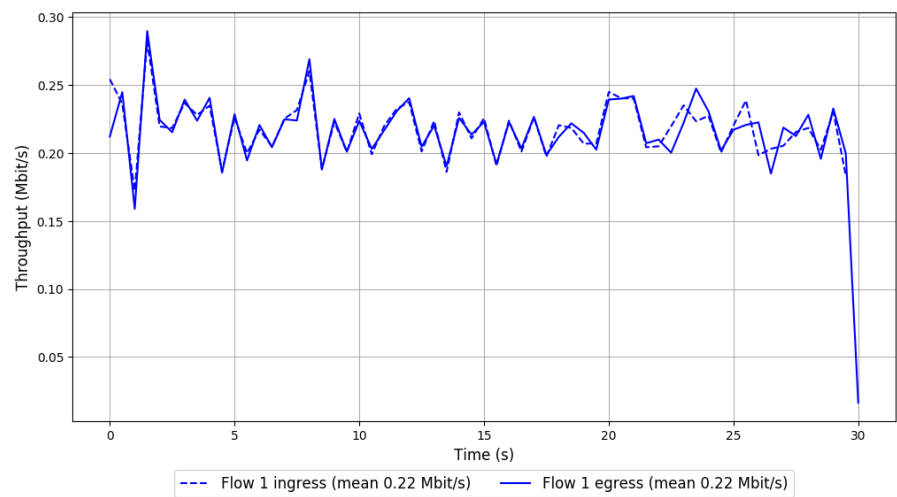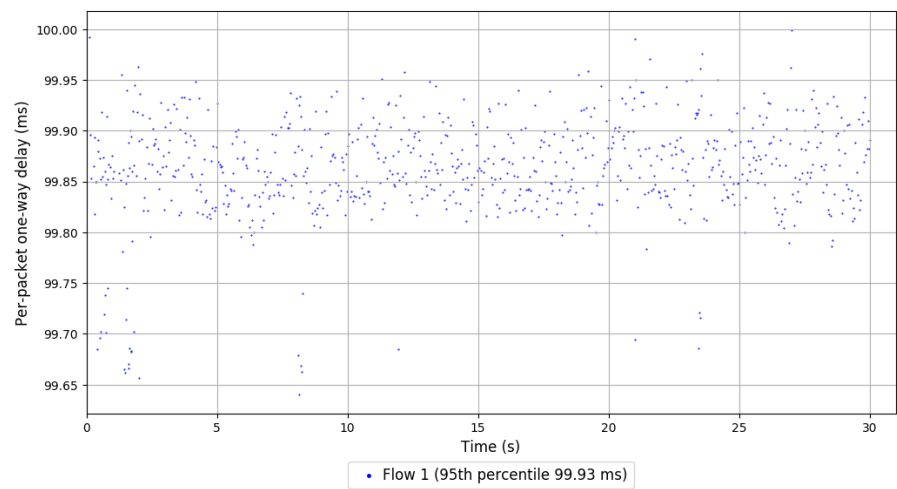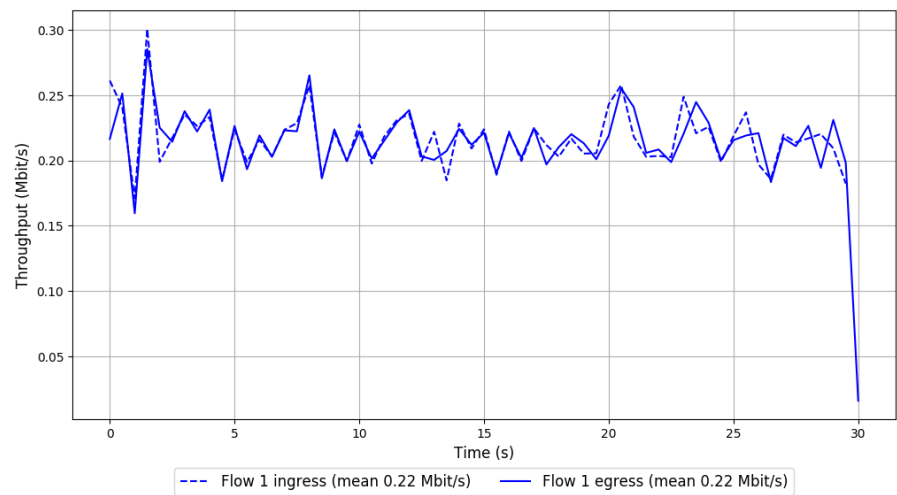
Run 7: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 100.09 ms)

```
Run 8: Statistics of SCReAM

Start at: 2018-04-03 10:53:53
End at: 2018-04-03 10:54:23
Local clock offset: -5.776 ms
Remote clock offset: 6.846 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.447 ms
Loss rate: 0.00%
```
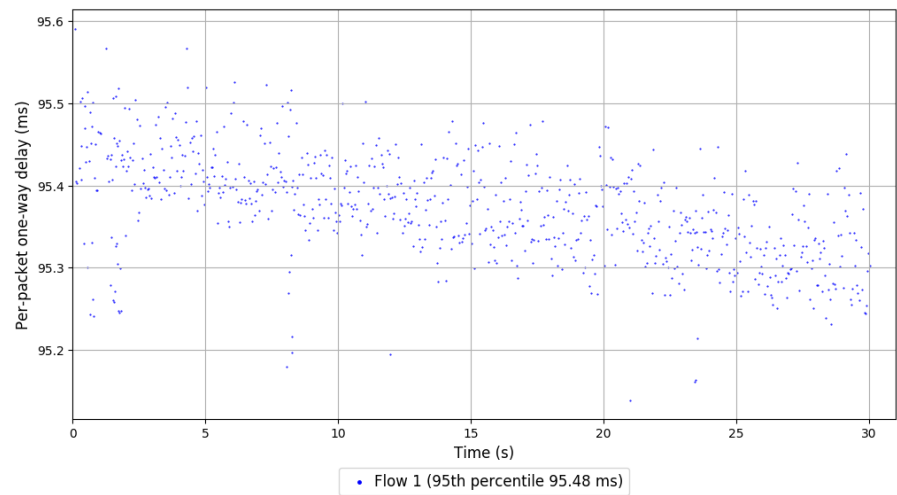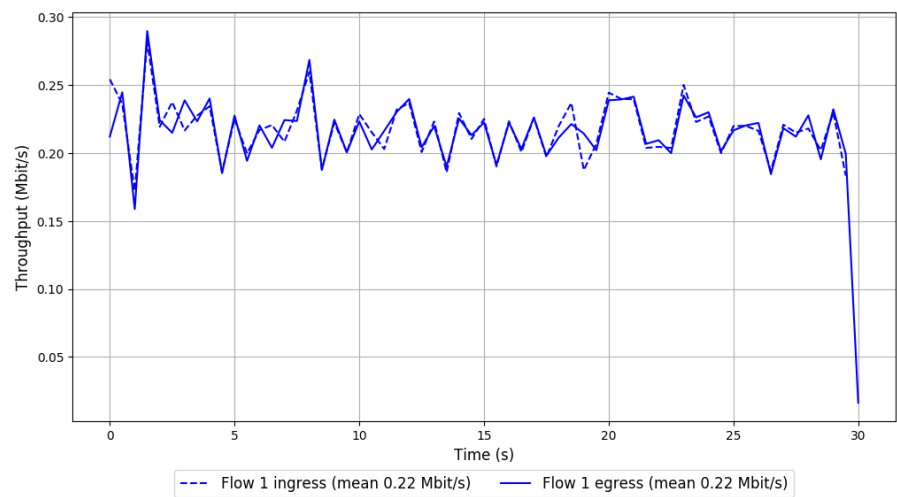
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 93.45 ms)

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```
Run 9: Statistics of SCReAM

Start at: 2018-04-03 11:16:24
End at: 2018-04-03 11:16:54
Local clock offset: -6.087 ms
Remote clock offset: 10.721 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.933 ms
Loss rate: 0.00%
```

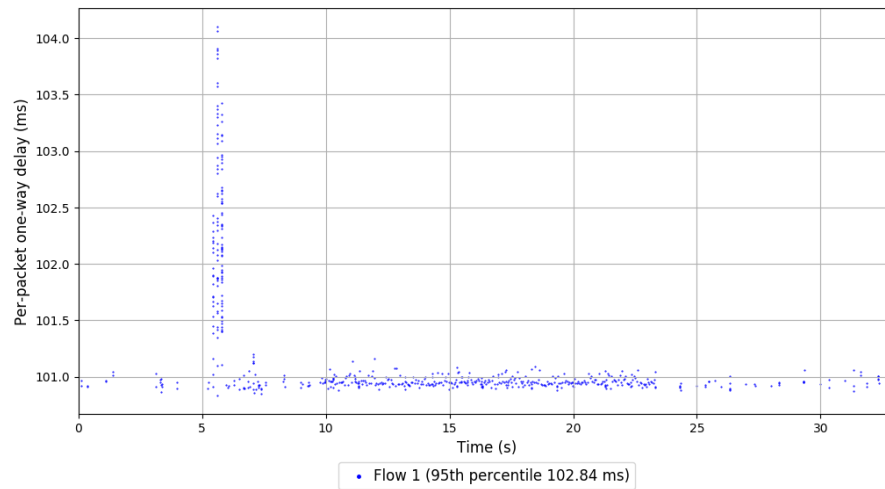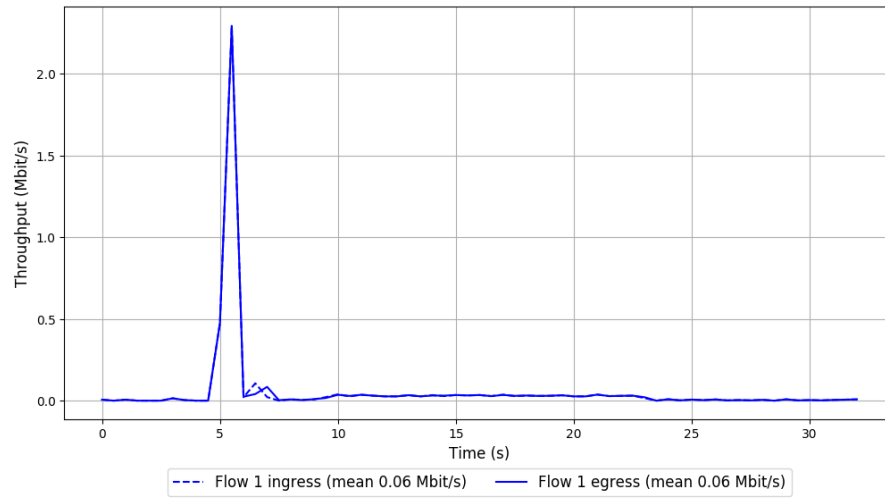Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 99.93 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-04-03 11:38:55
End at: 2018-04-03 11:39:25
Local clock offset: -5.834 ms
Remote clock offset: 10.909 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.476 ms
Loss rate: 0.00%
```
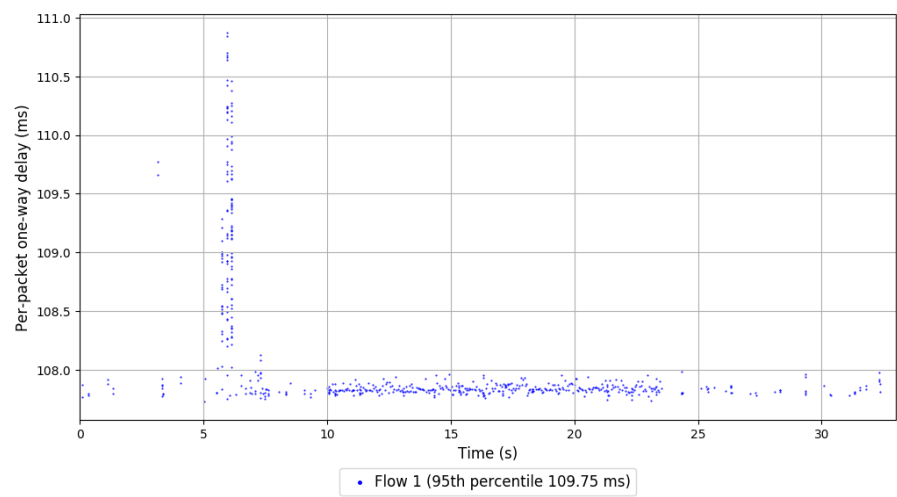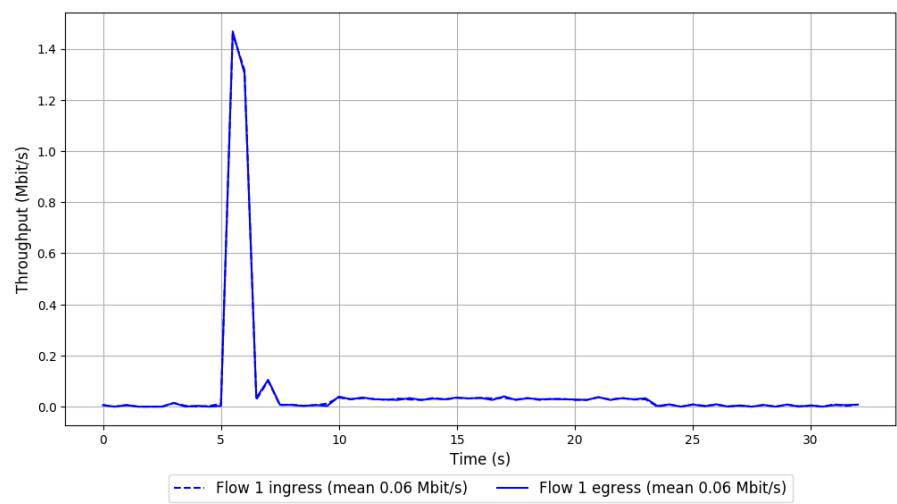
Run 10: Report of SCReAM — Data Link

123

```
Run 1: Statistics of WebRTC media

Start at: 2018-04-03 08:28:51
End at: 2018-04-03 08:29:22
Local clock offset: -5.784 ms
Remote clock offset: 10.698 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.842 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 0.06 Mbit/s)   Flow 1 egress (mean 0.06 Mbit/s)

Flow 1 (95th percentile 102.84 ms)

```
Run 2: Statistics of WebRTC media

Start at: 2018-04-03 08:51:18
End at: 2018-04-03 08:51:48
Local clock offset: -5.433 ms
Remote clock offset: 10.217 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 109.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 109.753 ms
Loss rate: 0.00%
```
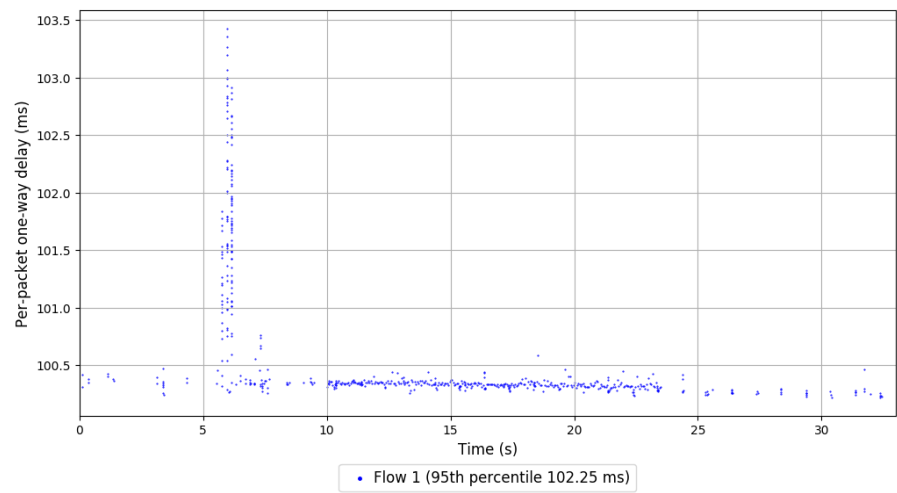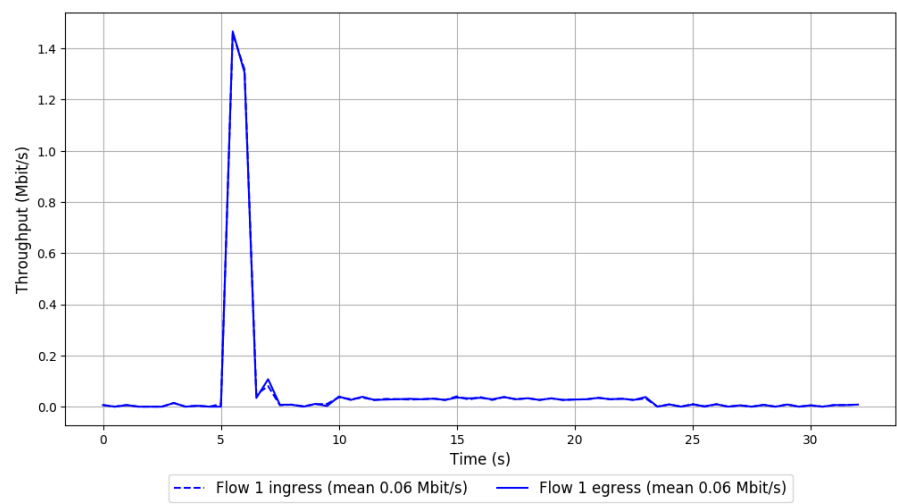
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-04-03 09:13:51
End at: 2018-04-03 09:14:21
Local clock offset: -5.181 ms
Remote clock offset: 9.509 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.245 ms
Loss rate: 0.00%
```
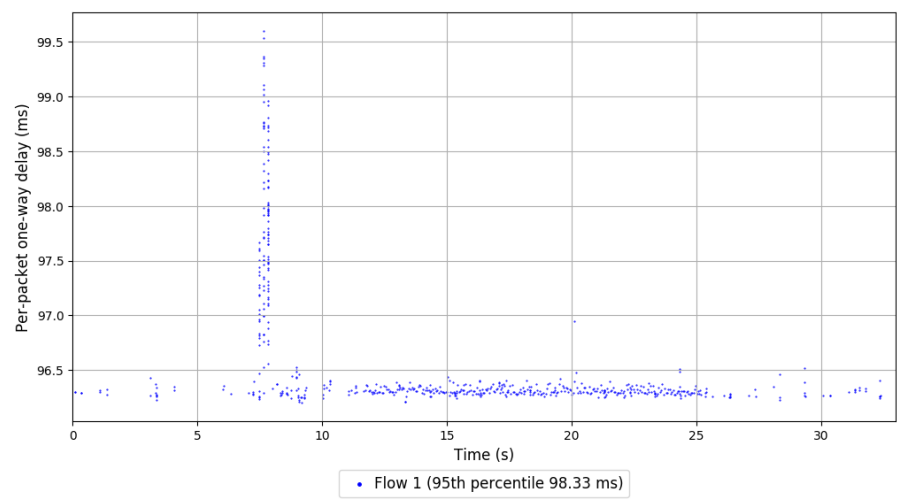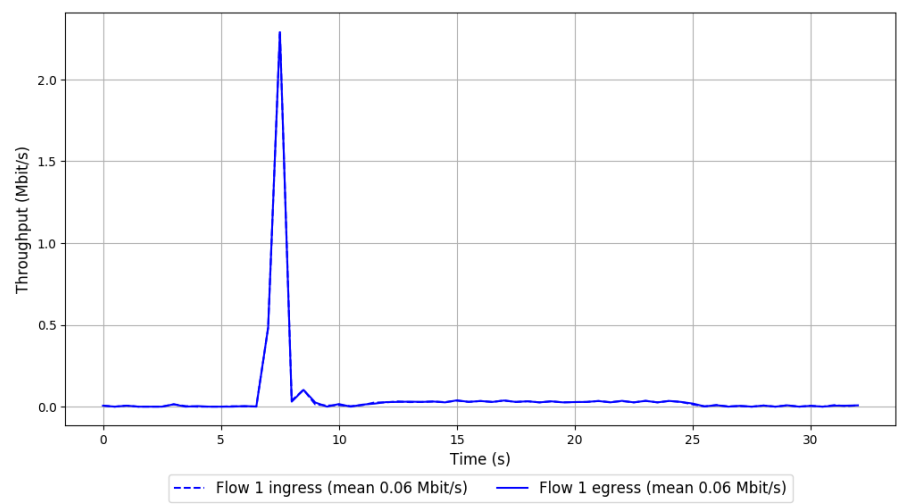
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 0.06 Mbit/s)   Flow 1 egress (mean 0.06 Mbit/s)

Flow 1 (95th percentile 102.25 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2018-04-03 09:36:25
End at: 2018-04-03 09:36:55
Local clock offset: -6.584 ms
Remote clock offset: 6.152 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 98.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 98.326 ms
Loss rate: 0.00%
```
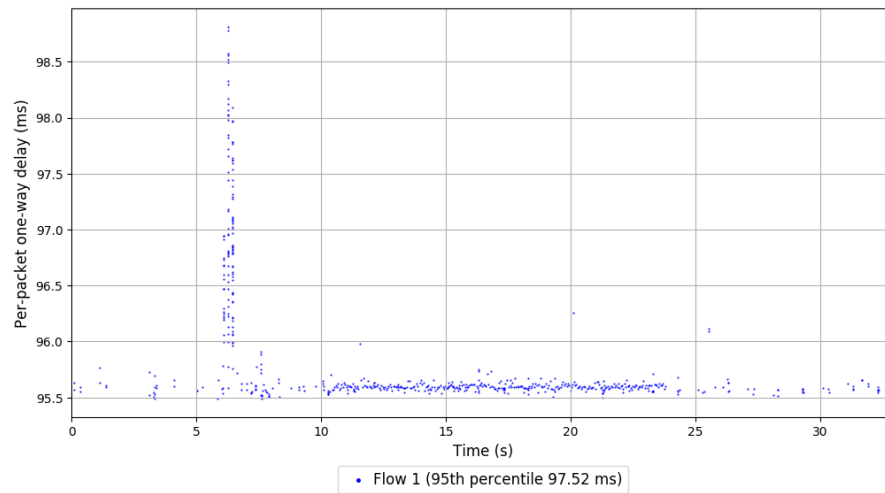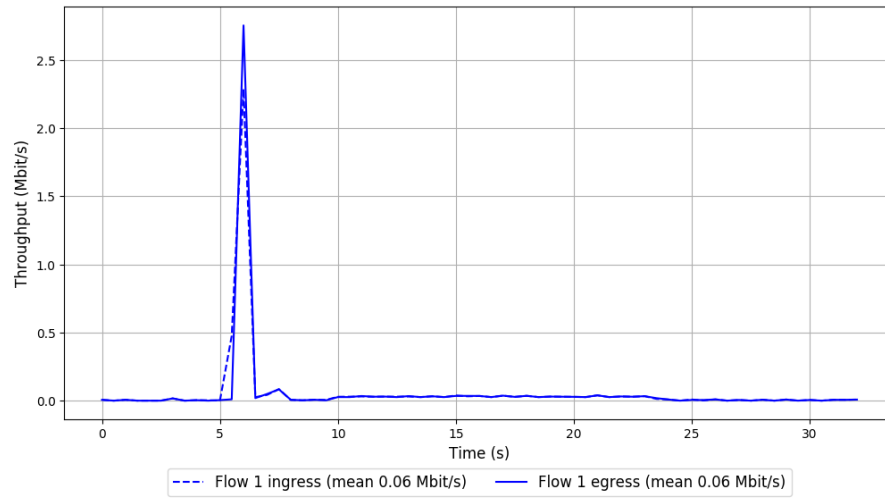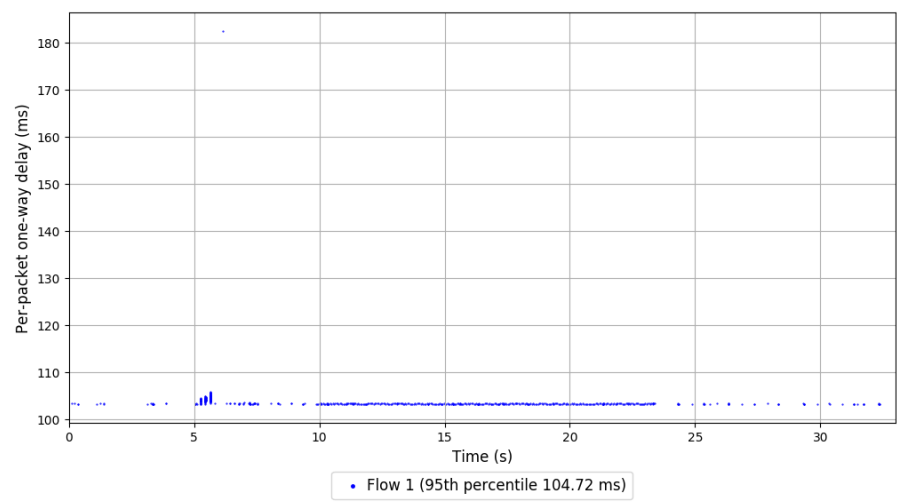
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2018-04-03 09:58:44
End at: 2018-04-03 09:59:14
Local clock offset: -6.698 ms
Remote clock offset: 6.078 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 97.515 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 97.515 ms
Loss rate: 0.00%
```
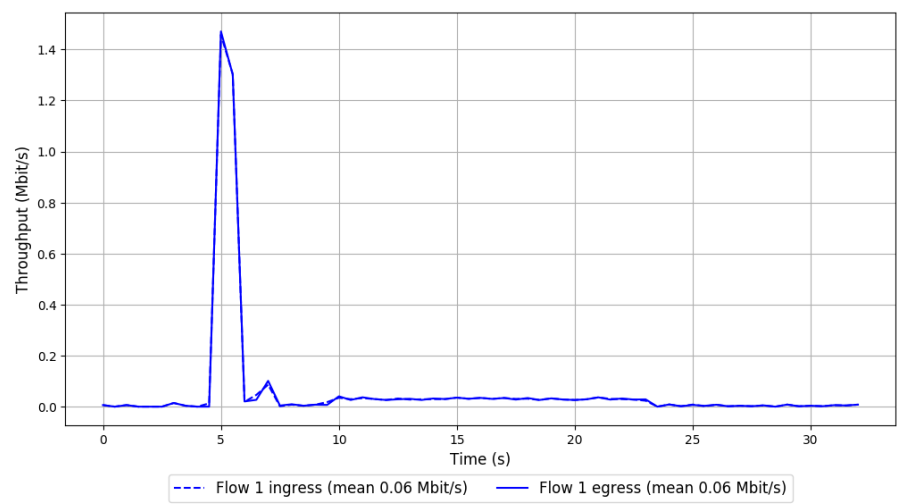
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2018-04-03 10:21:14
End at: 2018-04-03 10:21:44
Local clock offset: -6.819 ms
Remote clock offset: 12.162 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 104.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 104.721 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

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```
Run 7: Statistics of WebRTC media

Start at: 2018-04-03 10:43:43
End at: 2018-04-03 10:44:13
Local clock offset: -5.883 ms
Remote clock offset: 6.721 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 97.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 97.864 ms
Loss rate: 0.00%
```
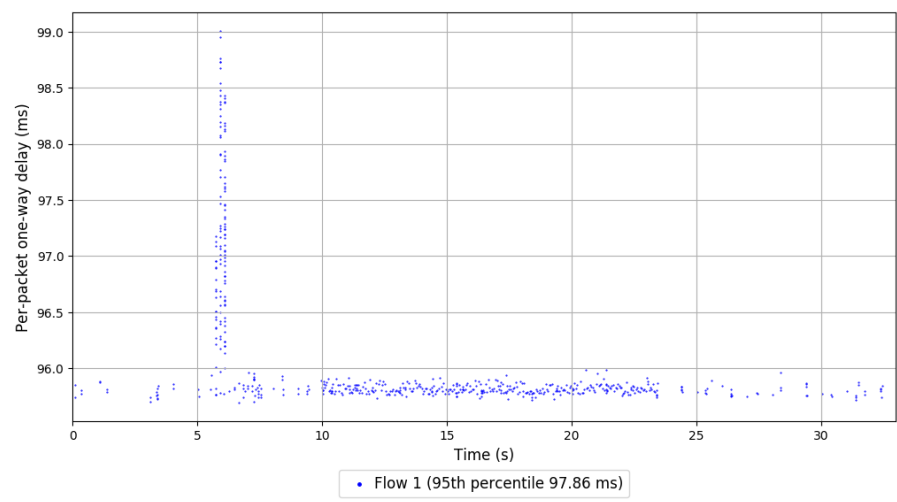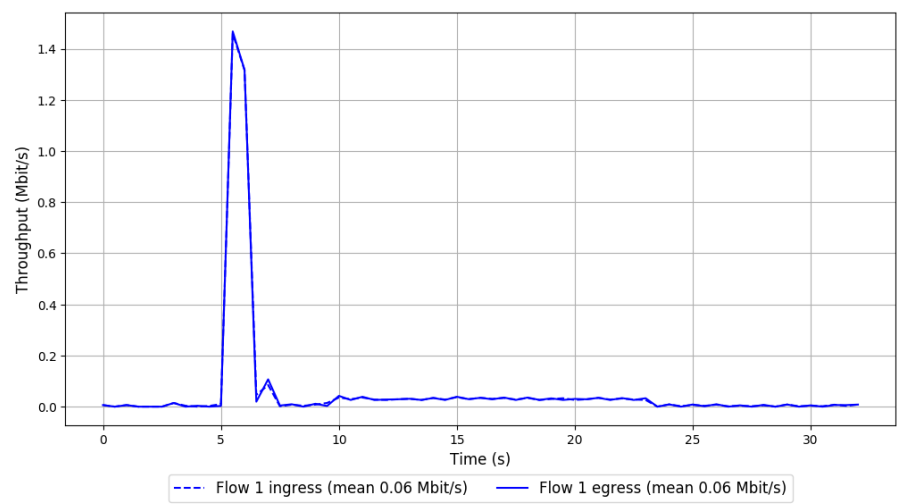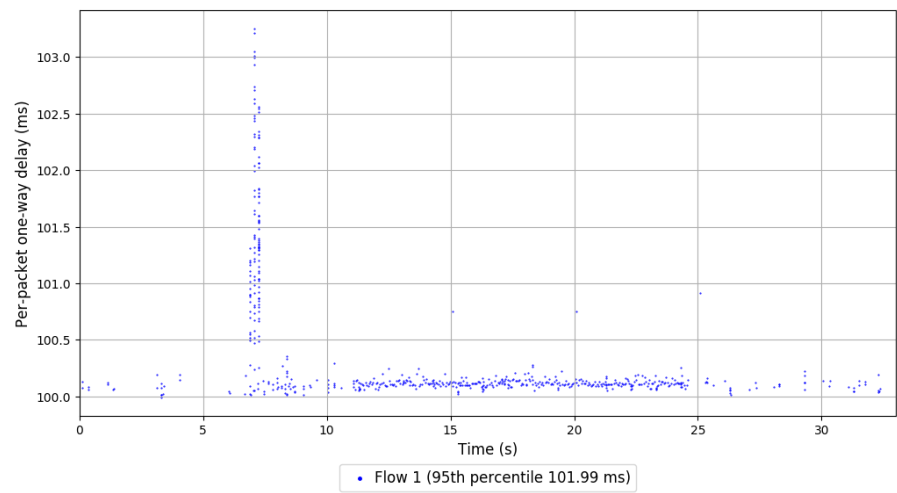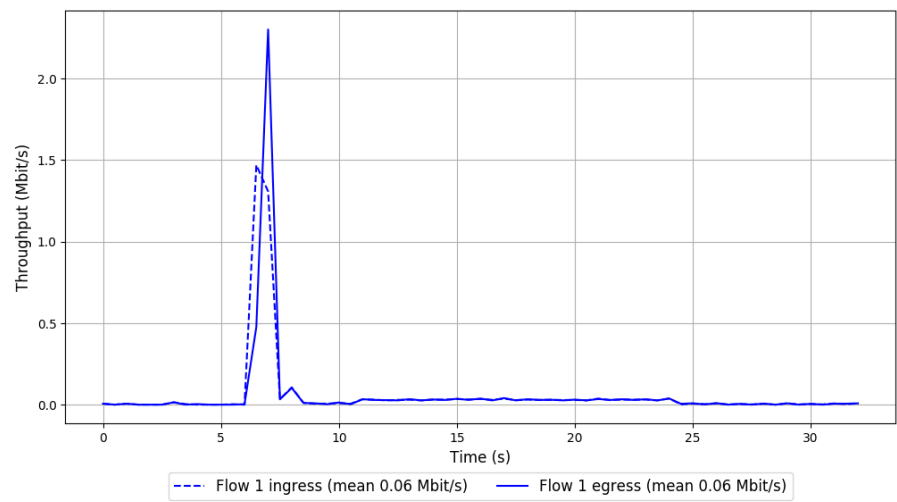
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-04-03 11:06:12
End at: 2018-04-03 11:06:42
Local clock offset: -5.978 ms
Remote clock offset: 12.042 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 101.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 101.991 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-04-03 11:28:44
End at: 2018-04-03 11:29:14
Local clock offset: -6.085 ms
Remote clock offset: 4.792 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 94.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 94.203 ms
Loss rate: 0.00%
```
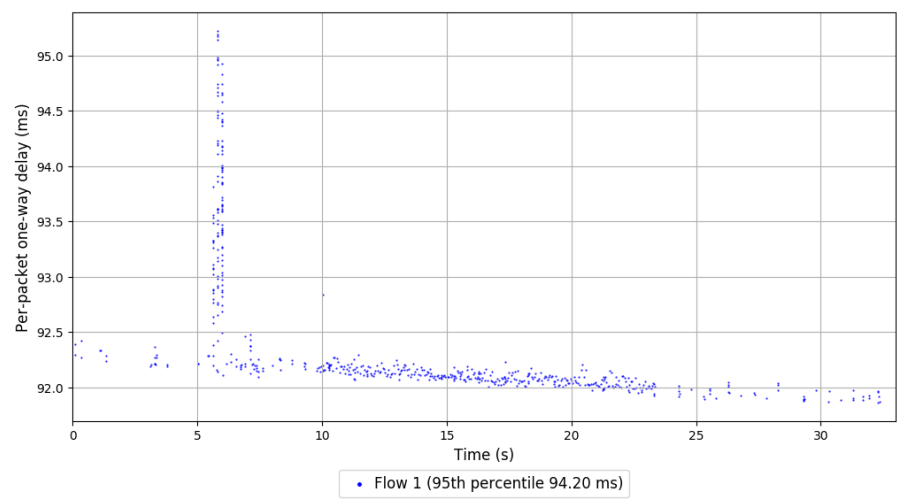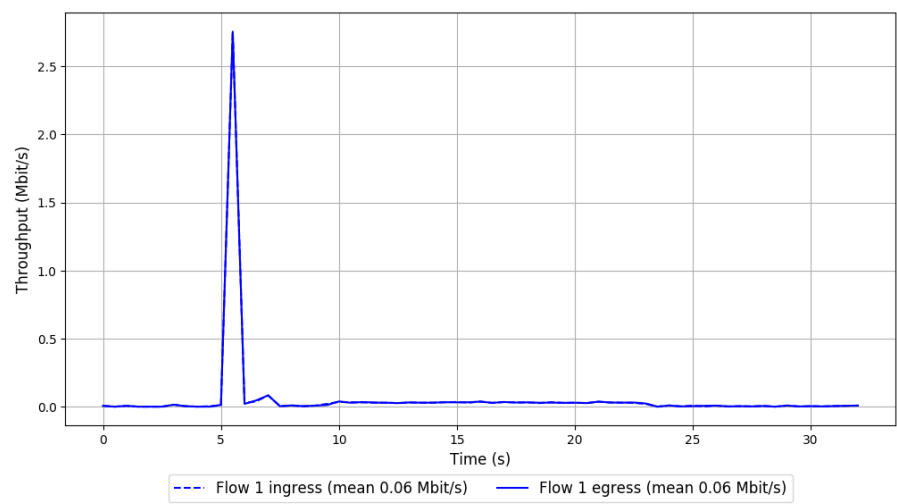
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-04-03 11:51:16
End at: 2018-04-03 11:51:46
Local clock offset: -5.735 ms
Remote clock offset: 19.75 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 105.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 105.677 ms
Loss rate: 0.00%
```
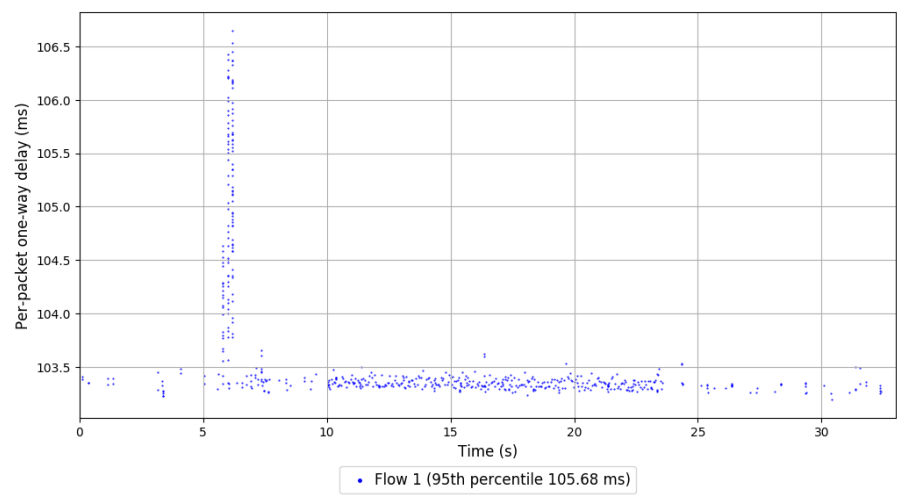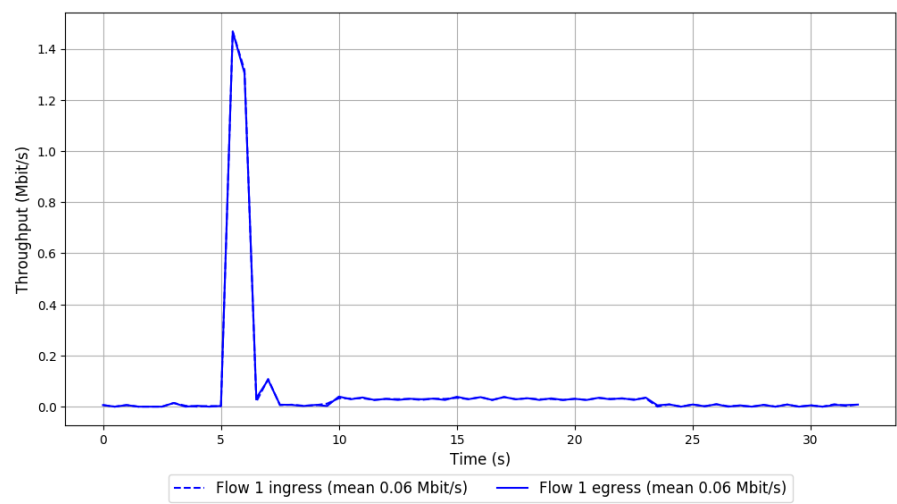
Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 0.06 Mbit/s)   Flow 1 egress (mean 0.06 Mbit/s)

Flow 1 (95th percentile 105.68 ms)

```
Run 1: Statistics of Sprout

Start at: 2018-04-03 08:21:22
End at: 2018-04-03 08:21:53
Local clock offset: -5.865 ms
Remote clock offset: 5.38 ms

# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 103.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 103.719 ms
Loss rate: 0.00%
```
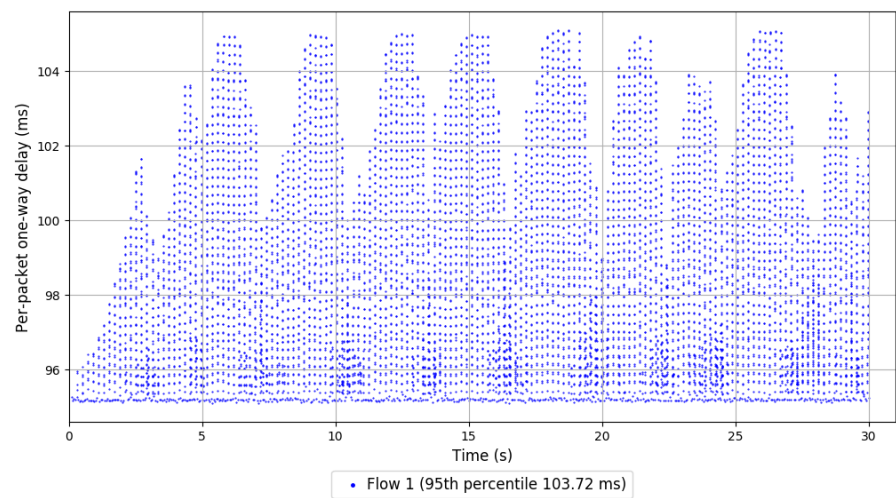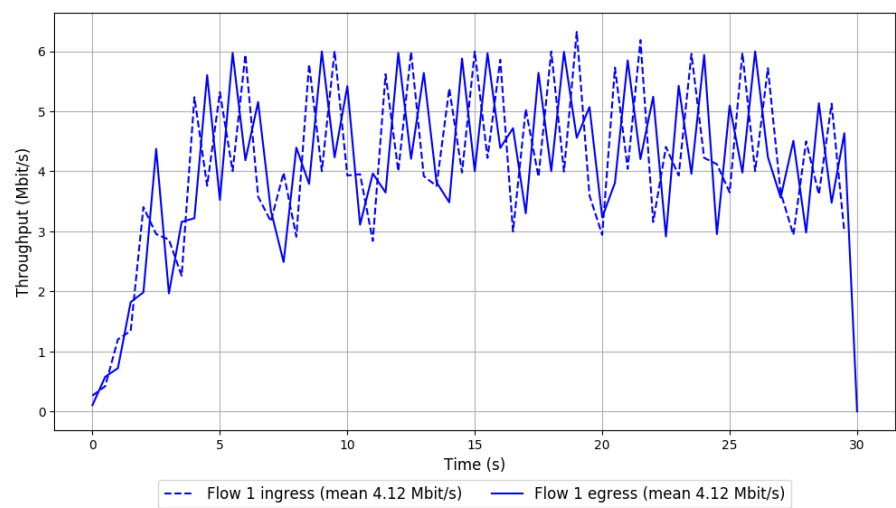
Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 4.12 Mbit/s) — — —   Flow 1 egress (mean 4.12 Mbit/s) ————

• Flow 1 (95th percentile 103.72 ms)

```
Run 2: Statistics of Sprout

Start at: 2018-04-03 08:43:48
End at: 2018-04-03 08:44:18
Local clock offset: -5.616 ms
Remote clock offset: 9.429 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 107.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 107.745 ms
Loss rate: 0.00%
```
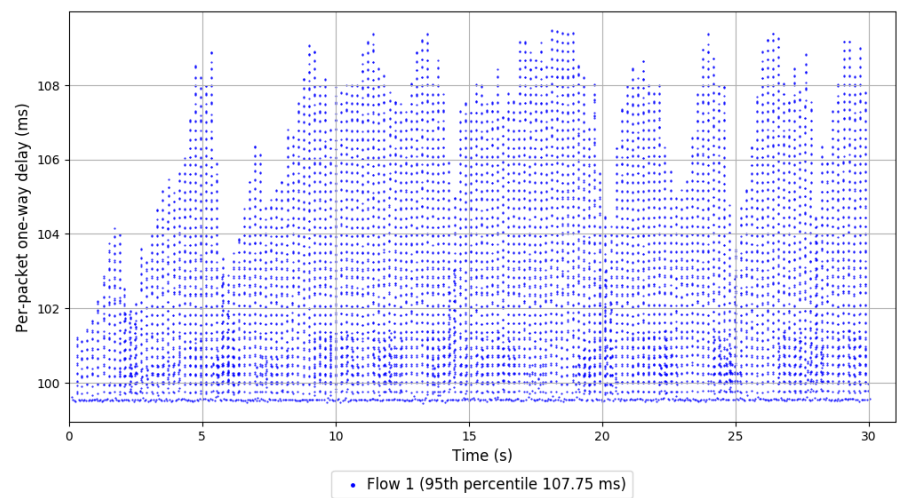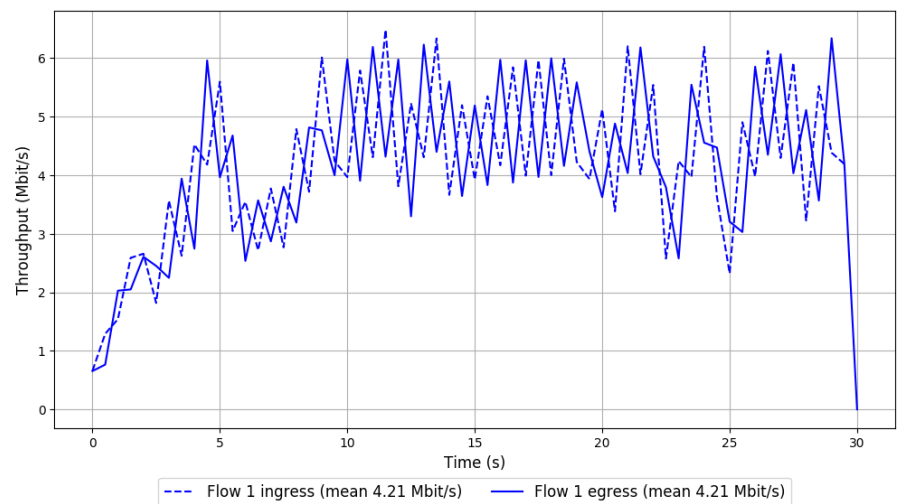
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 4.21 Mbit/s)   Flow 1 egress (mean 4.21 Mbit/s)

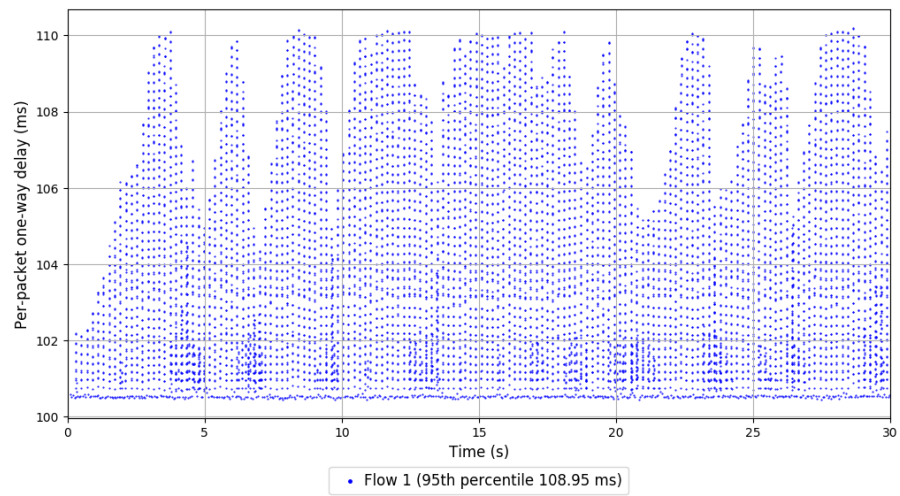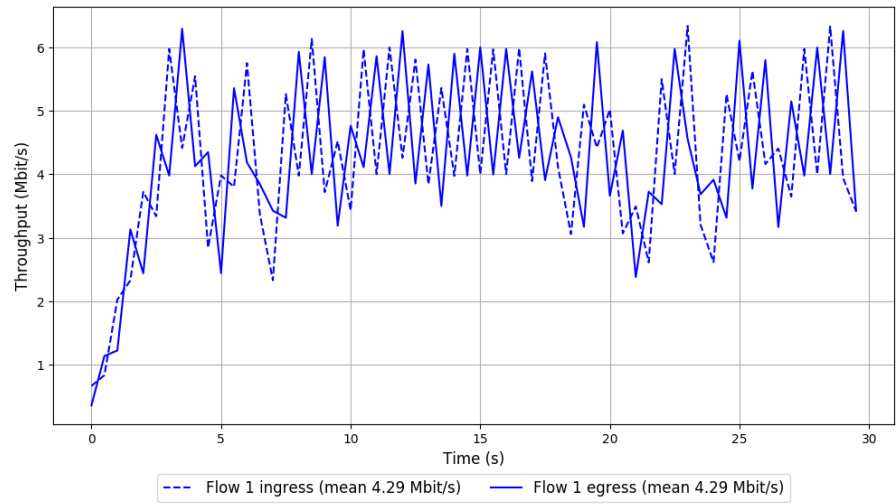• Flow 1 (95th percentile 107.75 ms)

```
Run 3: Statistics of Sprout

Start at: 2018-04-03 09:06:16
End at: 2018-04-03 09:06:46
Local clock offset: -5.239 ms
Remote clock offset: 10.013 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 108.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 108.955 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: 2018-04-03 09:28:51
End at: 2018-04-03 09:29:21
Local clock offset: -6.335 ms
Remote clock offset: 6.711 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 105.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 105.055 ms
Loss rate: 0.00%
```
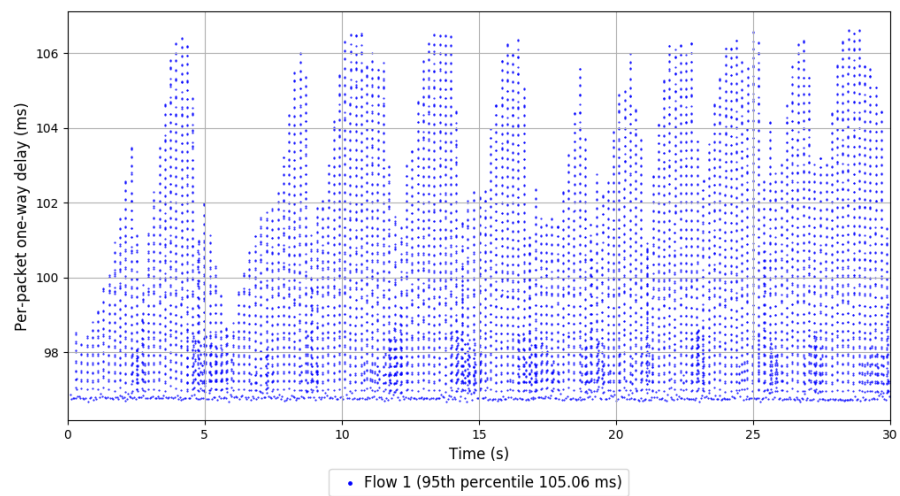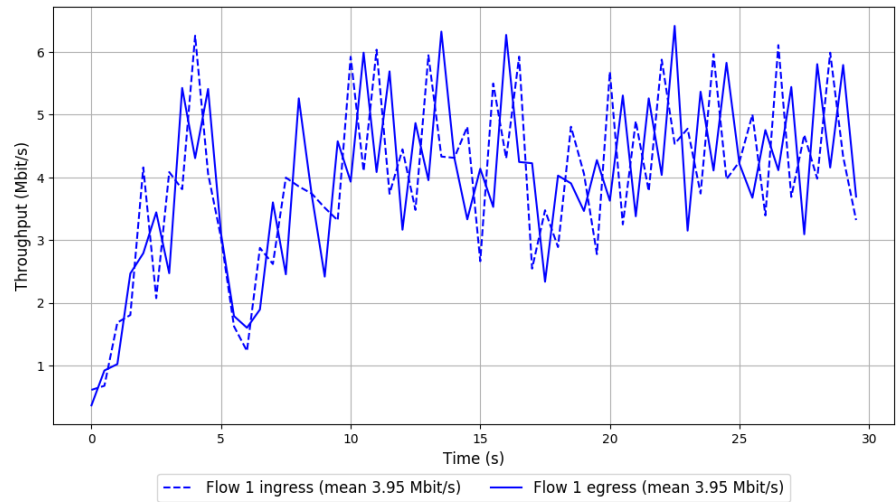
Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 3.95 Mbit/s)   Flow 1 egress (mean 3.95 Mbit/s)

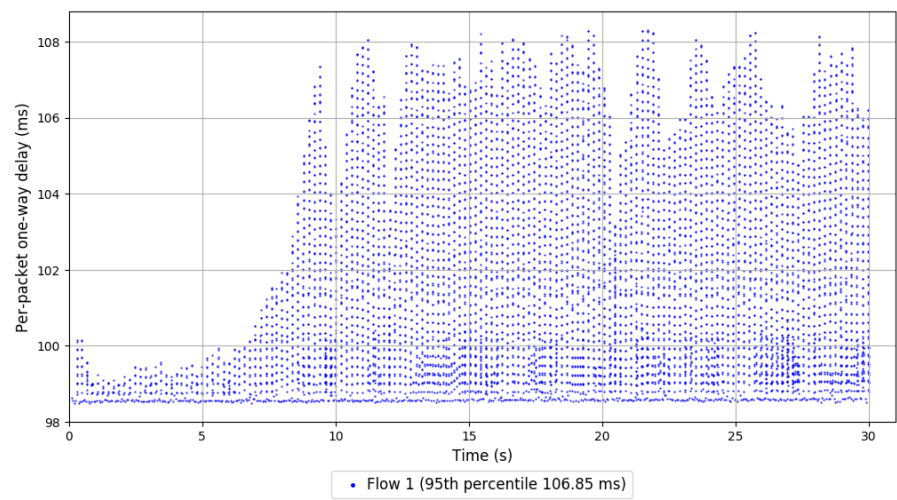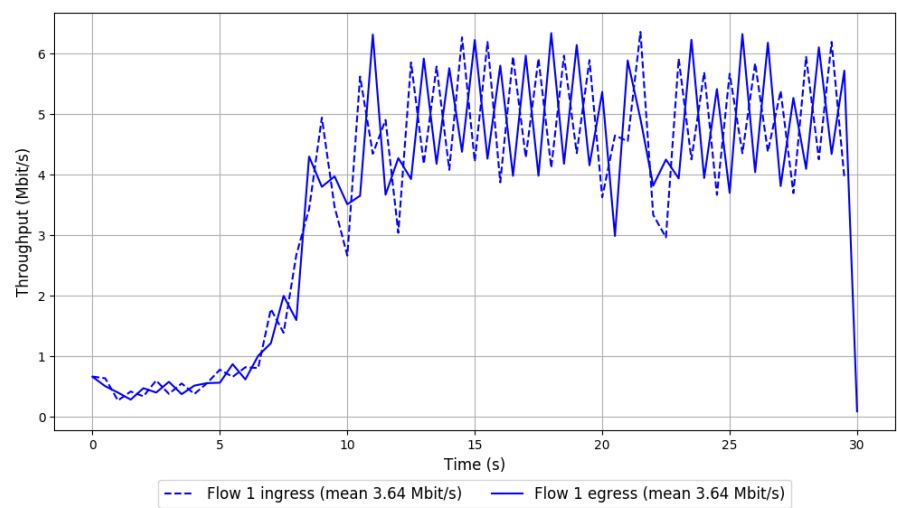Flow 1 (95th percentile 105.06 ms)

```
Run 5: Statistics of Sprout

Start at: 2018-04-03 09:51:11
End at: 2018-04-03 09:51:41
Local clock offset: -6.817 ms
Remote clock offset: 11.003 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 106.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 106.853 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2018-04-03 10:13:44
End at: 2018-04-03 10:14:14
Local clock offset: -6.755 ms
Remote clock offset: 5.772 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 103.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 103.206 ms
Loss rate: 0.00%
```
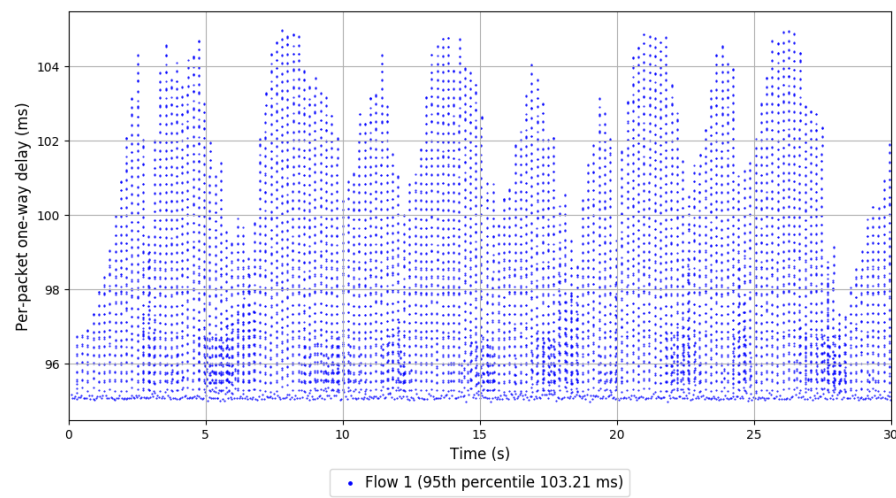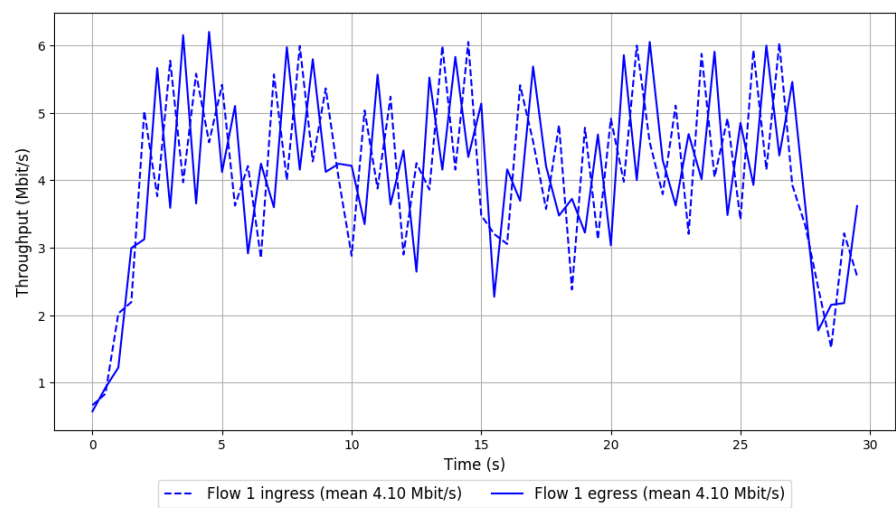
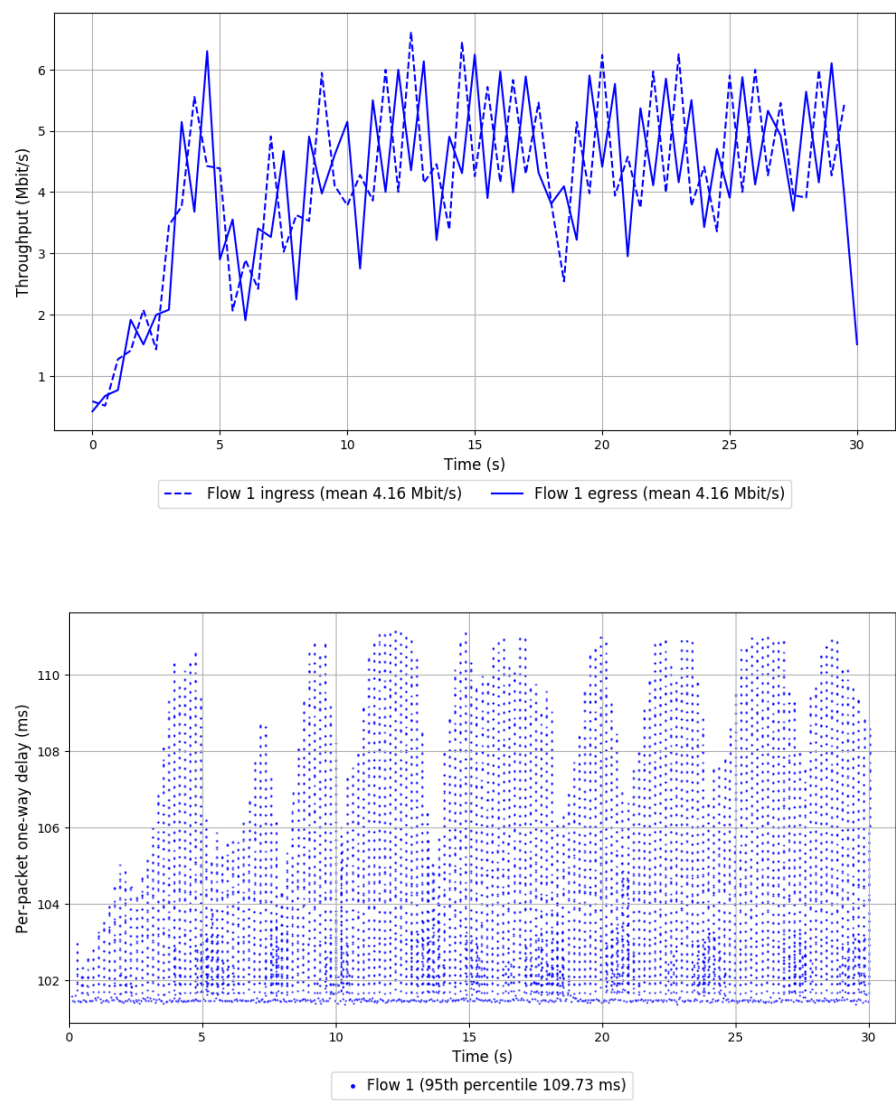Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2018-04-03 10:36:12
End at: 2018-04-03 10:36:42
Local clock offset: -6.033 ms
Remote clock offset: 12.029 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 109.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 109.727 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 4.16 Mbit/s)   Flow 1 egress (mean 4.16 Mbit/s)

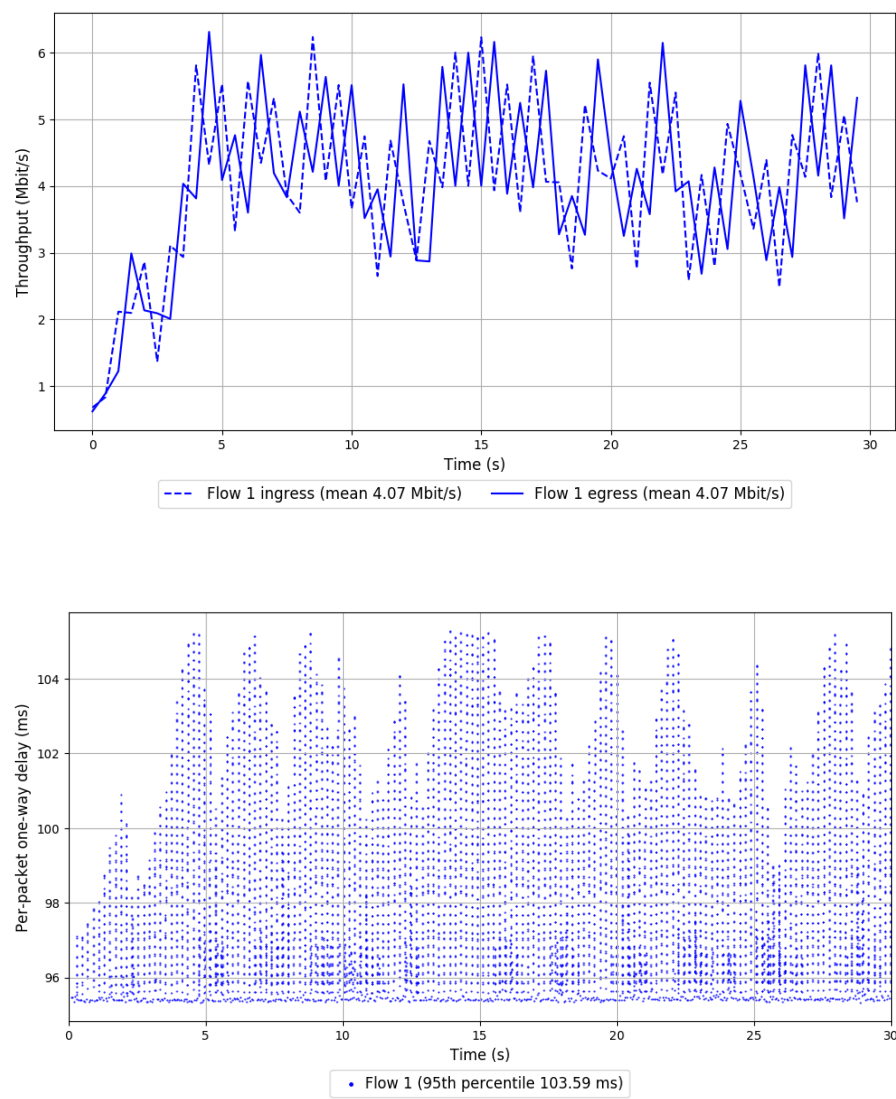• Flow 1 (95th percentile 109.73 ms)

```
Run 8: Statistics of Sprout

Start at: 2018-04-03 10:58:41
End at: 2018-04-03 10:59:11
Local clock offset: -5.794 ms
Remote clock offset: 6.268 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 103.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 103.592 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-04-03 11:21:12
End at: 2018-04-03 11:21:42
Local clock offset: -6.052 ms
Remote clock offset: 4.227 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 101.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 101.040 ms
Loss rate: 0.00%
```
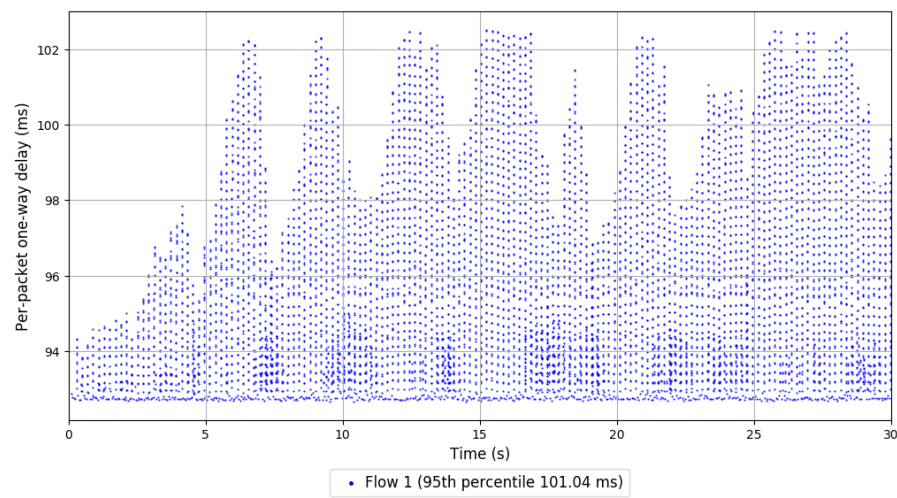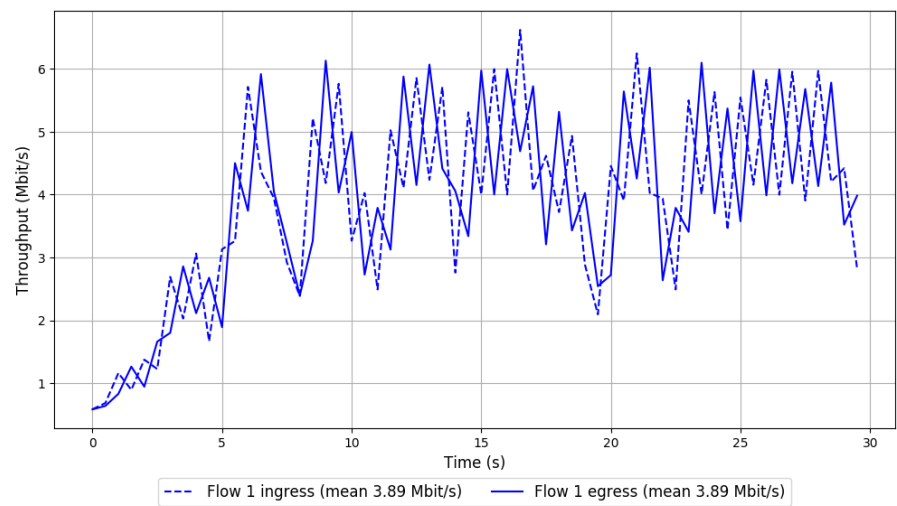
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 3.89 Mbit/s)   Flow 1 egress (mean 3.89 Mbit/s)
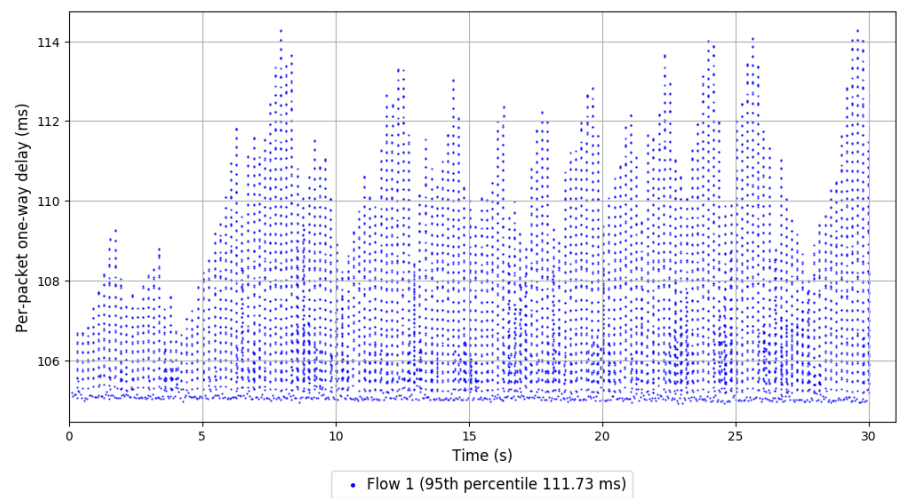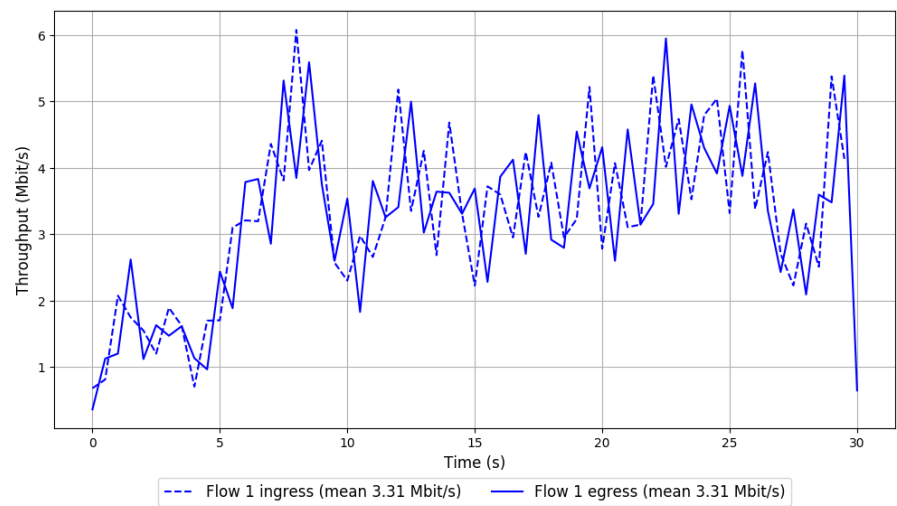

Flow 1 (95th percentile 101.04 ms)

```
Run 10: Statistics of Sprout

Start at: 2018-04-03 11:43:43
End at: 2018-04-03 11:44:13
Local clock offset: -5.719 ms
Remote clock offset: 16.597 ms


# Below is generated by plot.py at 2018-04-03 12:22:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.31 Mbit/s
95th percentile per-packet one-way delay: 111.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.31 Mbit/s
95th percentile per-packet one-way delay: 111.733 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

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

Start at: 2018-04-03 08:23:49
End at: 2018-04-03 08:24:19
Local clock offset: -5.831 ms
Remote clock offset: 10.716 ms


# Below is generated by plot.py at 2018-04-03 12:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.21 Mbit/s
95th percentile per-packet one-way delay: 129.398 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 71.21 Mbit/s
95th percentile per-packet one-way delay: 129.398 ms
Loss rate: 1.03%
```
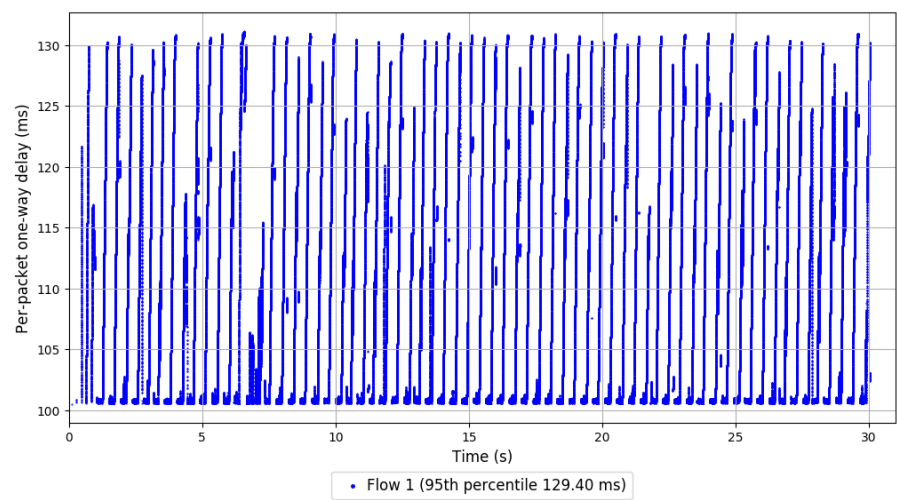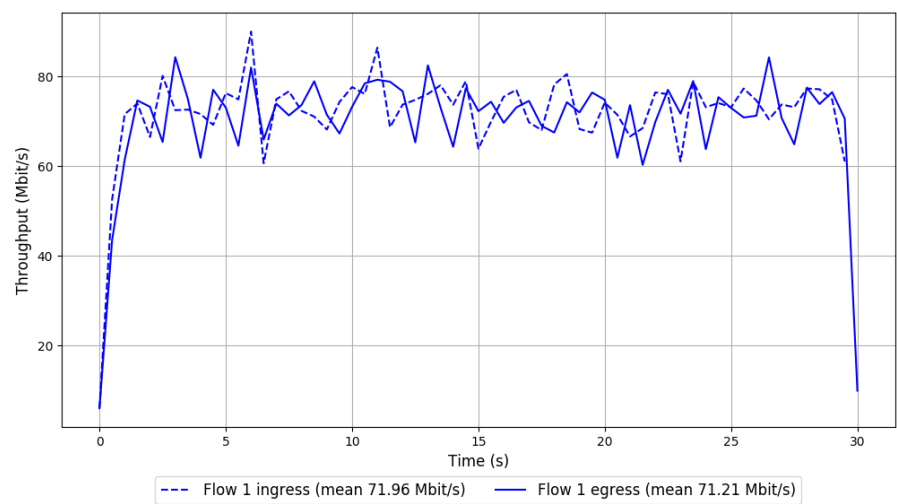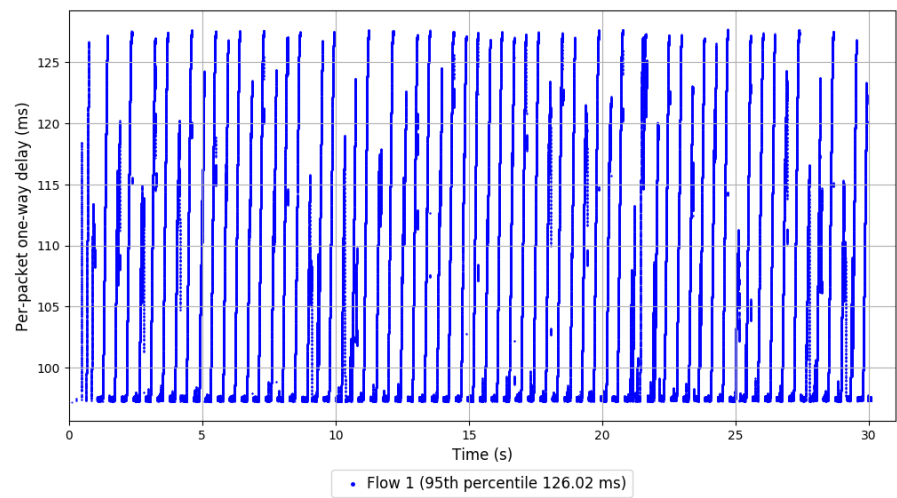
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.96 Mbit/s)   Flow 1 egress (mean 71.21 Mbit/s)

Flow 1 (95th percentile 129.40 ms)

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

Start at: 2018-04-03 08:46:15
End at: 2018-04-03 08:46:45
Local clock offset: -5.54 ms
Remote clock offset: 4.885 ms


# Below is generated by plot.py at 2018-04-03 12:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 126.021 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 126.021 ms
Loss rate: 1.02%
```
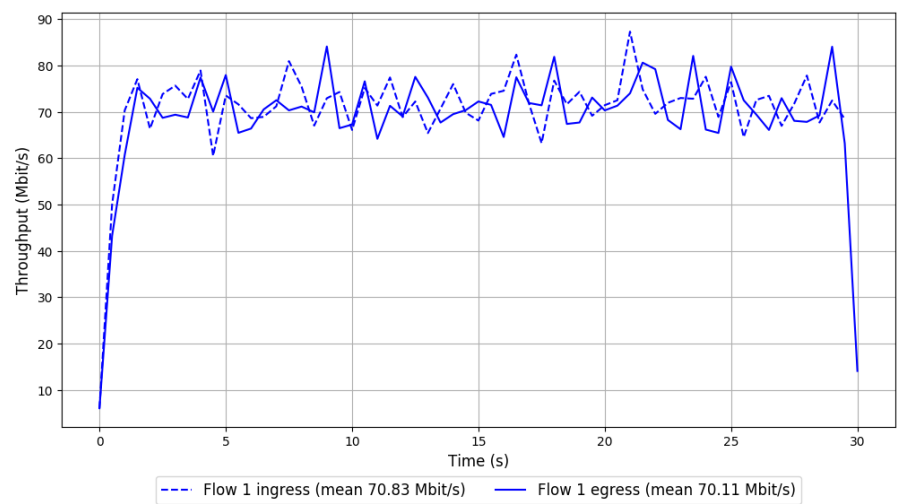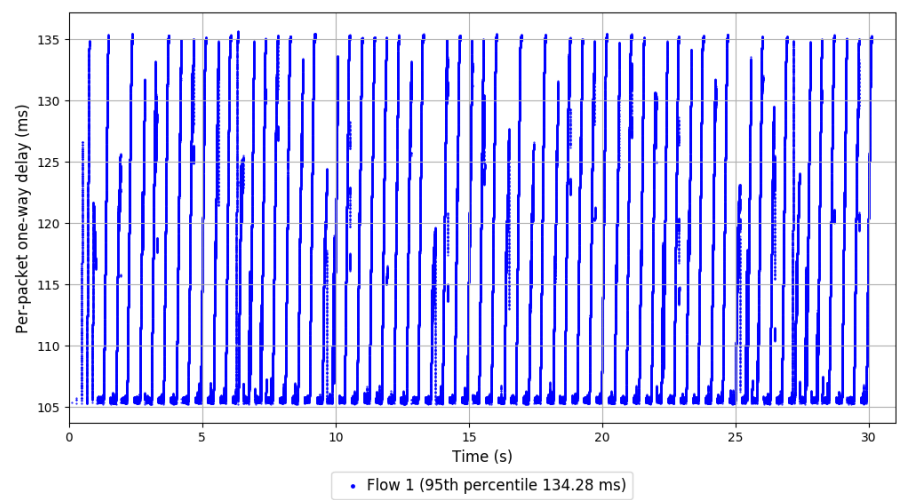
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 70.83 Mbit/s) --- Flow 1 egress (mean 70.11 Mbit/s)

• Flow 1 (95th percentile 126.02 ms)

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

Start at: 2018-04-03 09:08:44
End at: 2018-04-03 09:09:14
Local clock offset: -5.213 ms
Remote clock offset: 8.981 ms


# Below is generated by plot.py at 2018-04-03 12:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 134.278 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 134.278 ms
Loss rate: 1.08%
```
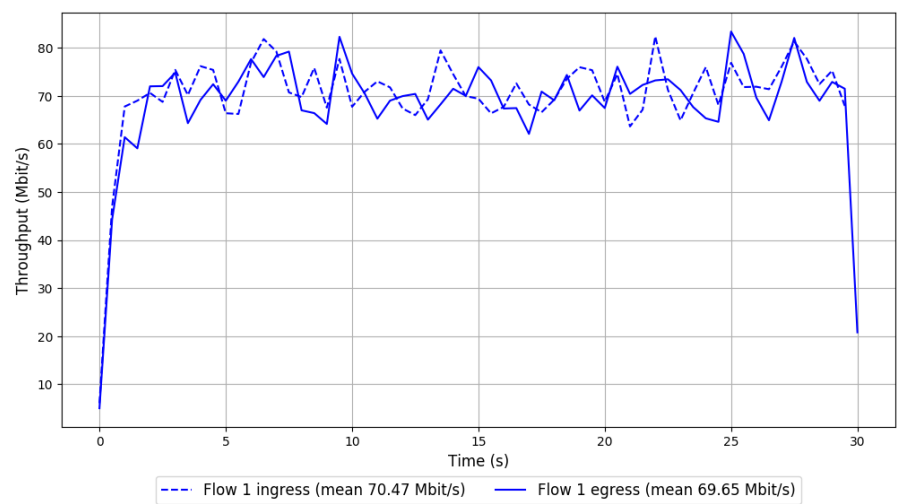
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 70.47 Mbit/s) --- Flow 1 egress (mean 69.65 Mbit/s)
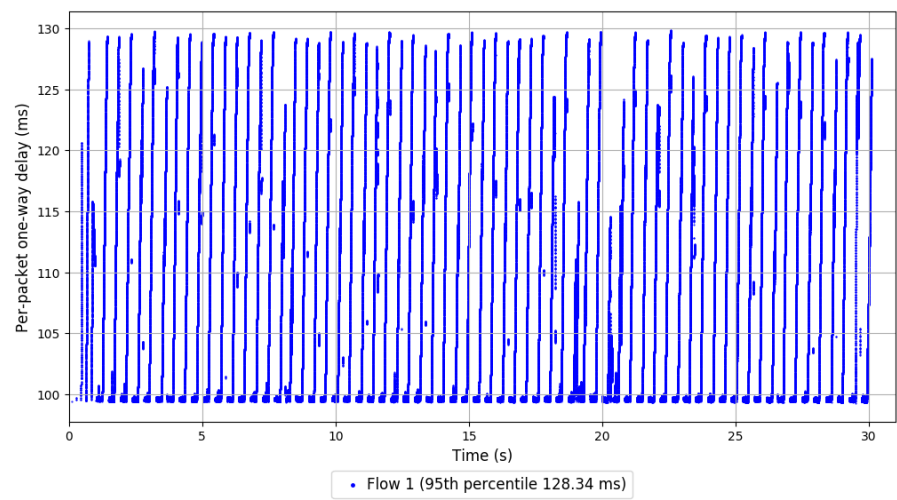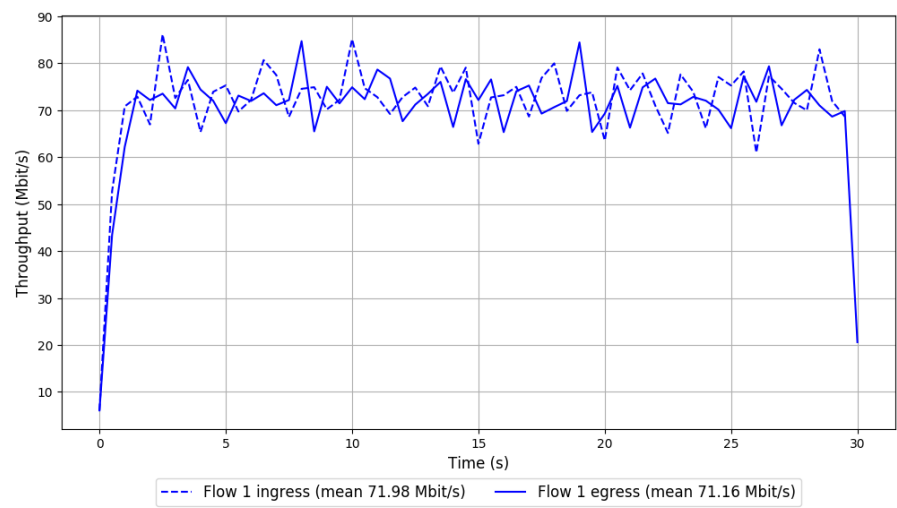

Flow 1 (95th percentile 134.28 ms)

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

Start at: 2018-04-03 09:31:19
End at: 2018-04-03 09:31:49
Local clock offset: -6.411 ms
Remote clock offset: 12.359 ms


# Below is generated by plot.py at 2018-04-03 12:24:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 128.345 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 128.345 ms
Loss rate: 1.04%
```
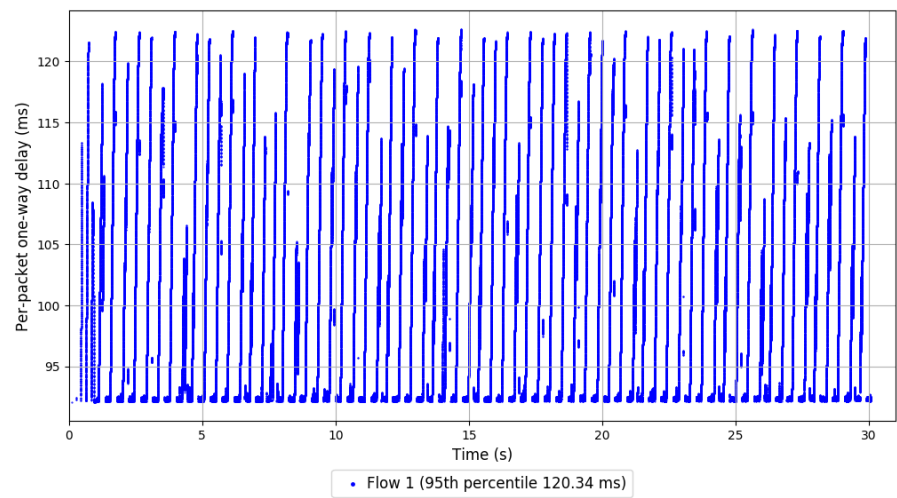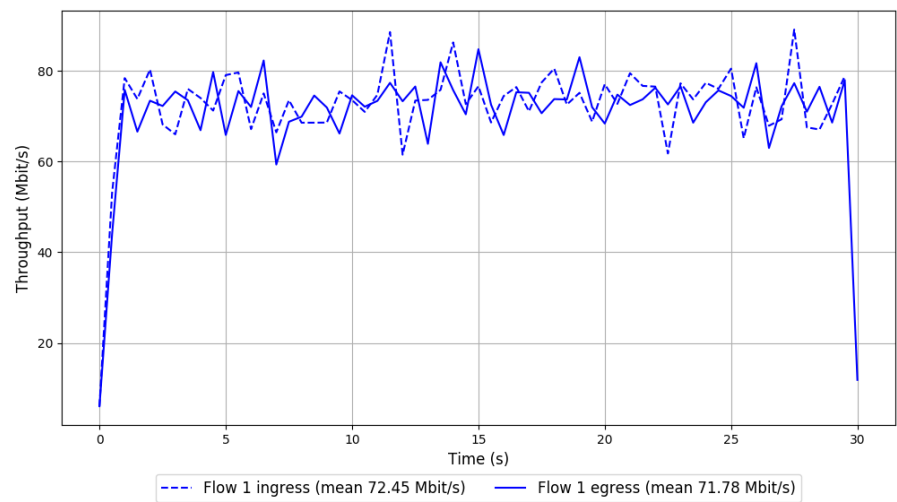
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.98 Mbit/s) ----- Flow 1 egress (mean 71.16 Mbit/s)

• Flow 1 (95th percentile 128.34 ms)

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

Start at: 2018-04-03 09:53:39
End at: 2018-04-03 09:54:09
Local clock offset: -6.816 ms
Remote clock offset: 6.228 ms


# Below is generated by plot.py at 2018-04-03 12:24:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.78 Mbit/s
95th percentile per-packet one-way delay: 120.343 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 71.78 Mbit/s
95th percentile per-packet one-way delay: 120.343 ms
Loss rate: 0.93%
```

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

Flow 1 ingress (mean 72.45 Mbit/s) ---- Flow 1 egress (mean 71.78 Mbit/s) ——
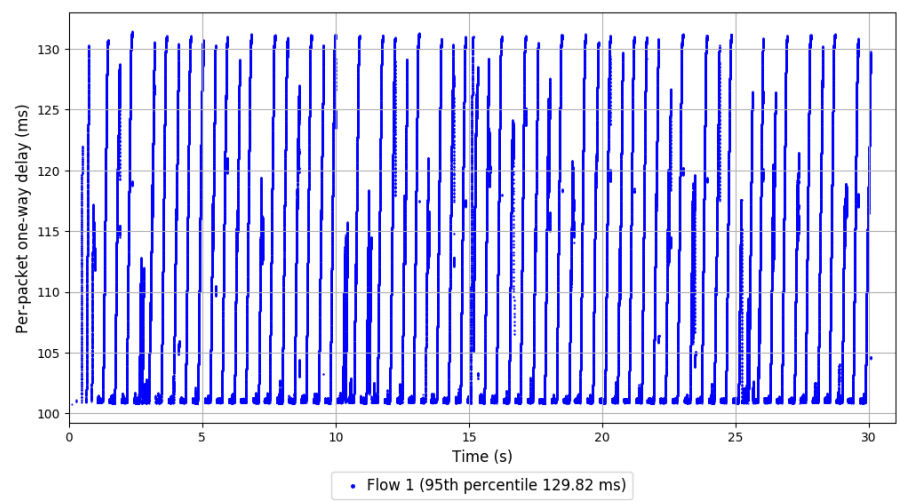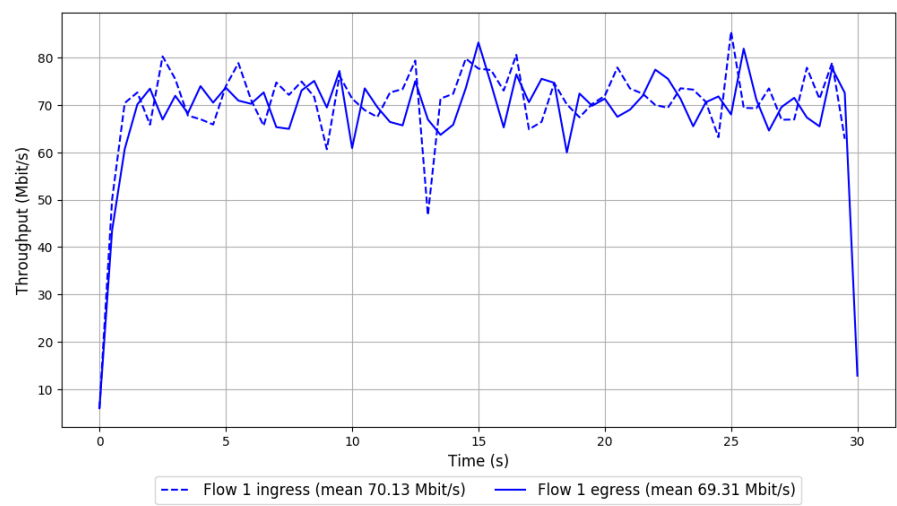

• Flow 1 (95th percentile 120.34 ms)

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

Start at: 2018-04-03 10:16:11
End at: 2018-04-03 10:16:41
Local clock offset: -6.781 ms
Remote clock offset: 11.067 ms


# Below is generated by plot.py at 2018-04-03 12:24:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 129.825 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 129.825 ms
Loss rate: 1.16%
```
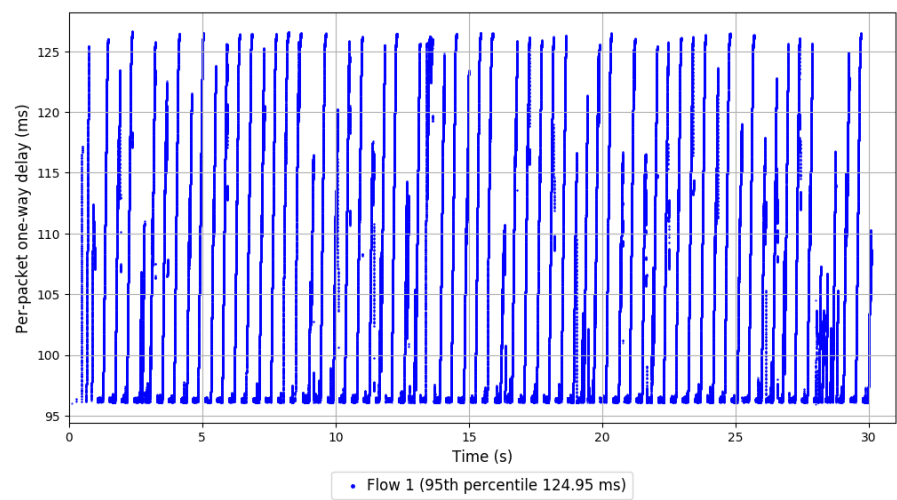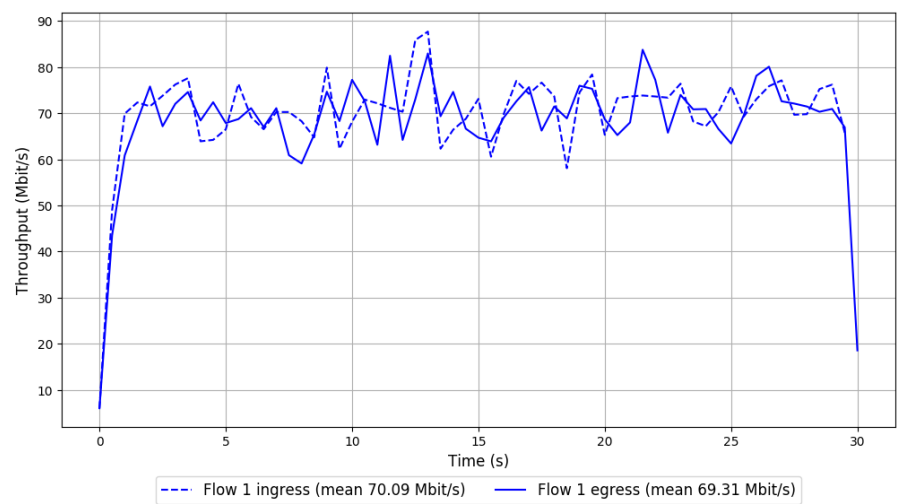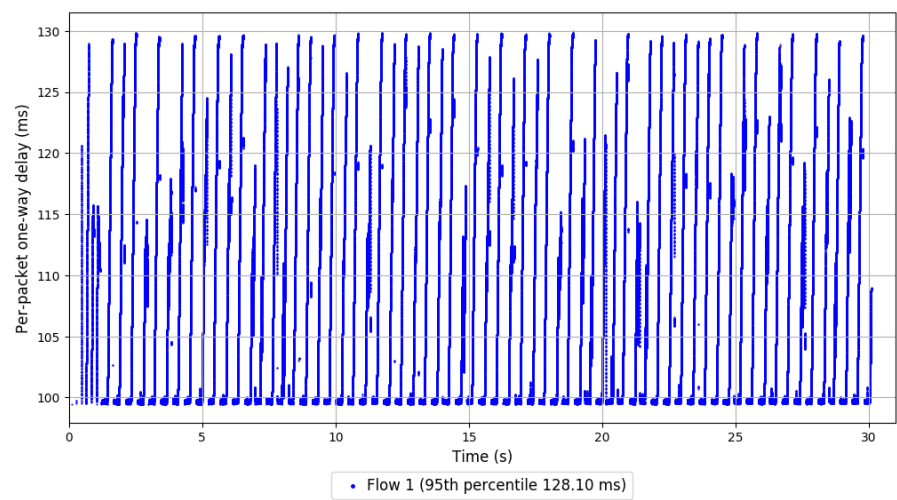
Run 6: Report of TaoVA-100x — Data Link

--- Flow 1 ingress (mean 70.13 Mbit/s) —— Flow 1 egress (mean 69.31 Mbit/s)

· Flow 1 (95th percentile 129.82 ms)

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

Start at: 2018-04-03 10:38:39
End at: 2018-04-03 10:39:09
Local clock offset: -5.953 ms
Remote clock offset: 6.601 ms


# Below is generated by plot.py at 2018-04-03 12:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 124.952 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 124.952 ms
Loss rate: 1.07%
```

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

Flow 1 ingress (mean 70.09 Mbit/s)   Flow 1 egress (mean 69.31 Mbit/s)
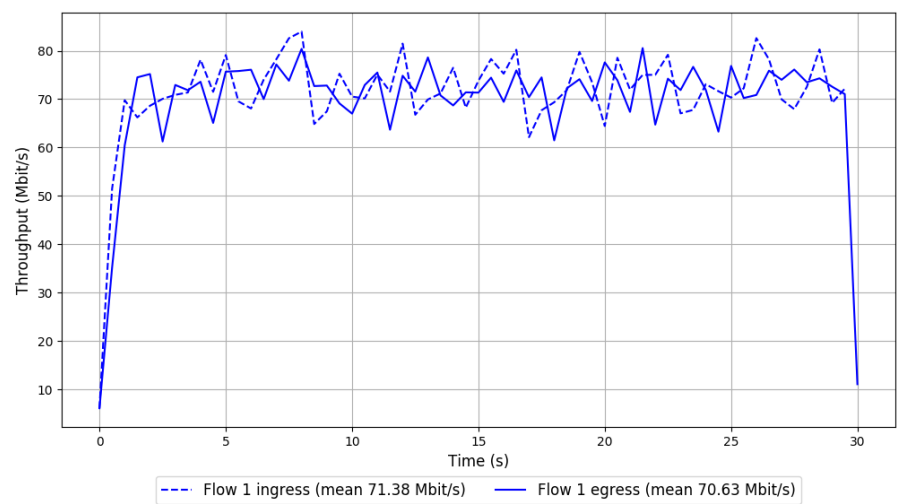

• Flow 1 (95th percentile 124.95 ms)

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

Start at: 2018-04-03 11:01:09
End at: 2018-04-03 11:01:39
Local clock offset: -5.913 ms
Remote clock offset: 11.358 ms


# Below is generated by plot.py at 2018-04-03 12:24:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 128.105 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 128.105 ms
Loss rate: 1.01%
```
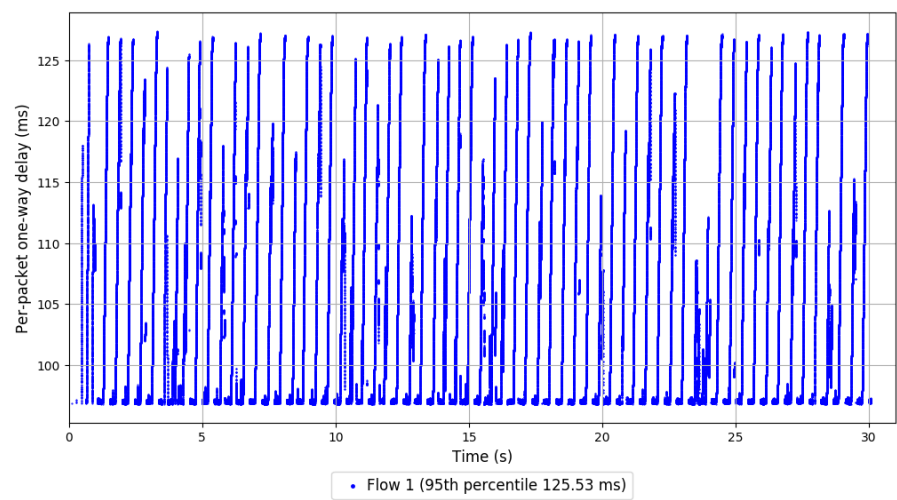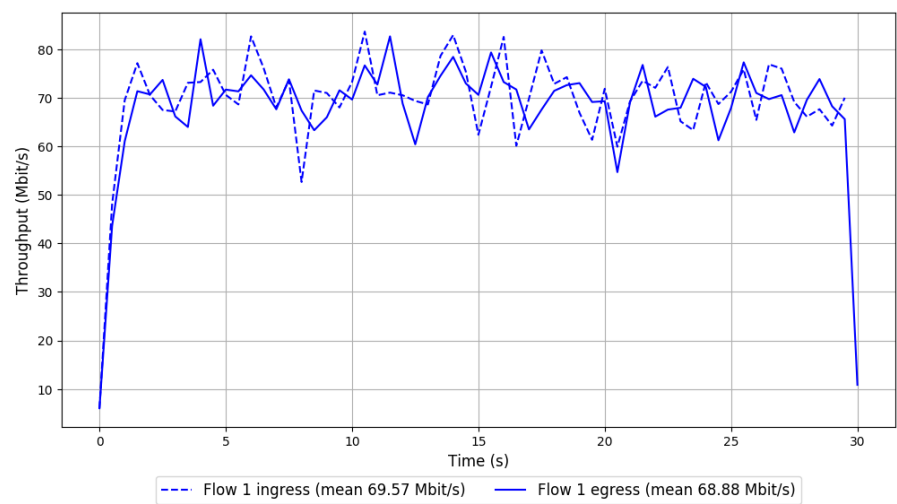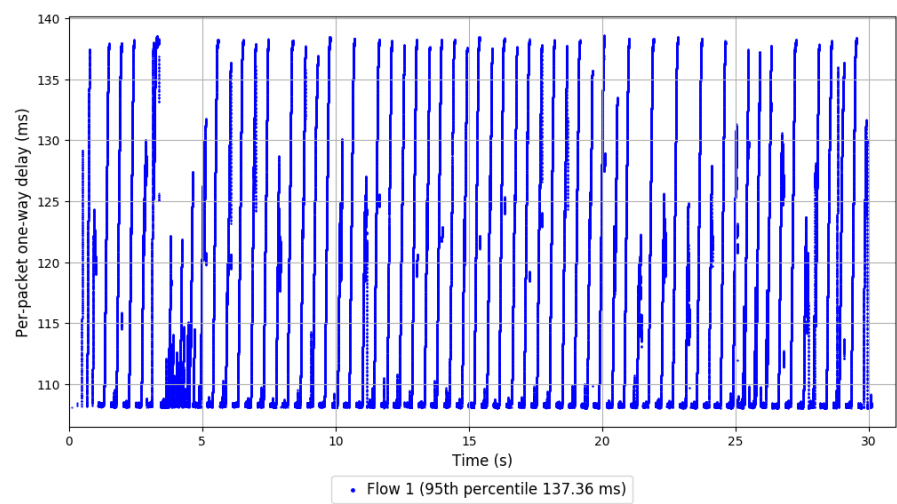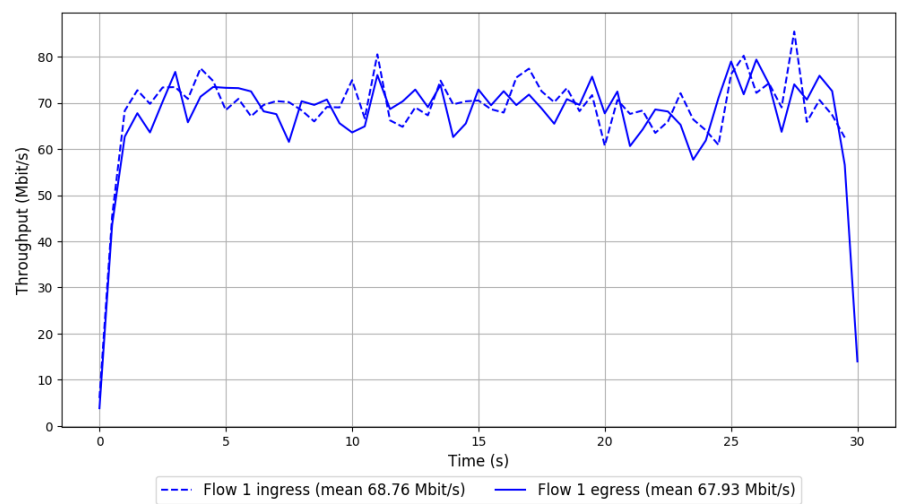
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.38 Mbit/s) ------ Flow 1 egress (mean 70.63 Mbit/s)

Flow 1 (95th percentile 128.10 ms)

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

Start at: 2018-04-03 11:23:39
End at: 2018-04-03 11:24:09
Local clock offset: -6.048 ms
Remote clock offset: 4.154 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.88 Mbit/s
95th percentile per-packet one-way delay: 125.530 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 68.88 Mbit/s
95th percentile per-packet one-way delay: 125.530 ms
Loss rate: 1.00%
```

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

Flow 1 ingress (mean 69.57 Mbit/s)　　　Flow 1 egress (mean 68.88 Mbit/s)

Flow 1 (95th percentile 125.53 ms)

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

Start at: 2018-04-03 11:46:10
End at: 2018-04-03 11:46:40
Local clock offset: -5.715 ms
Remote clock offset: 18.054 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.93 Mbit/s
95th percentile per-packet one-way delay: 137.362 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 67.93 Mbit/s
95th percentile per-packet one-way delay: 137.362 ms
Loss rate: 1.22%
```
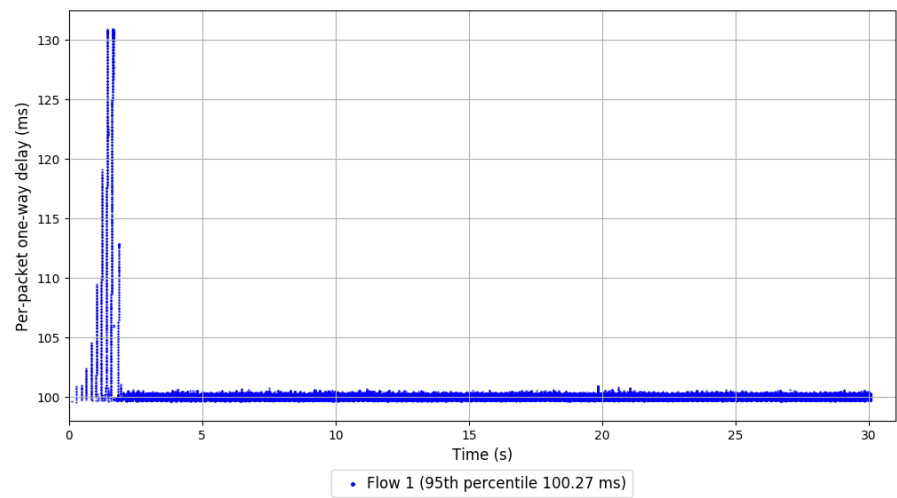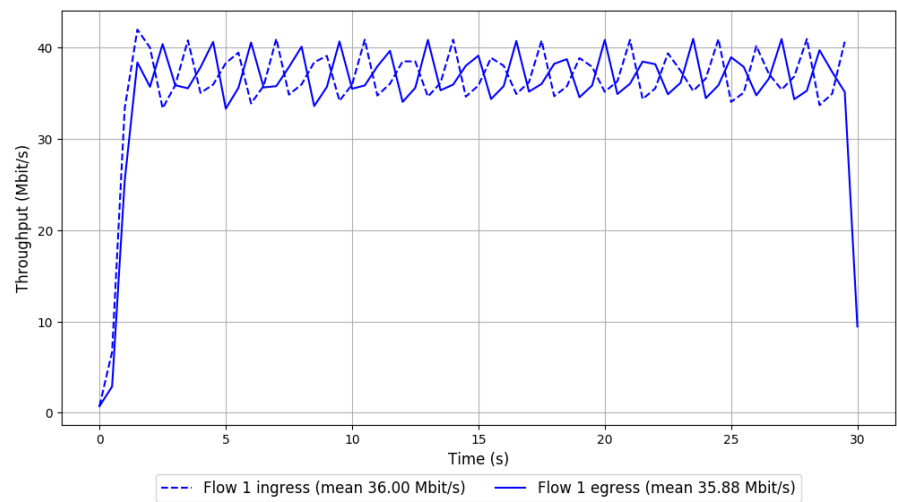
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 68.76 Mbit/s)   Flow 1 egress (mean 67.93 Mbit/s)
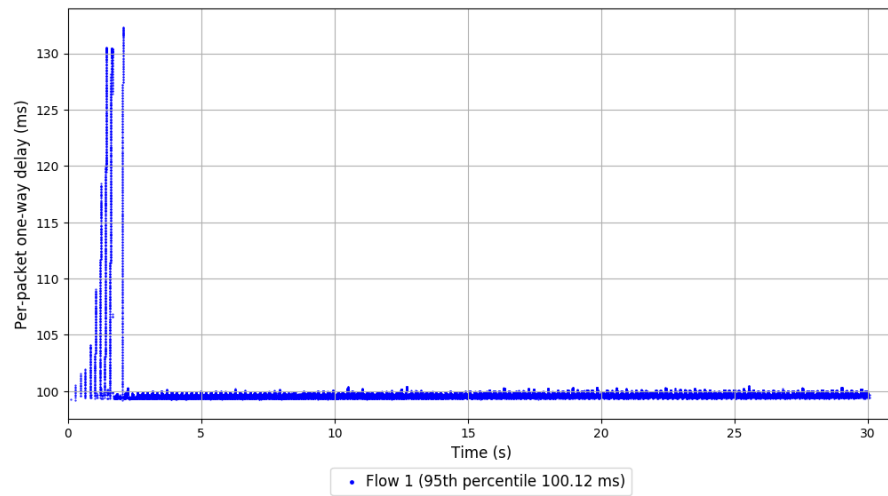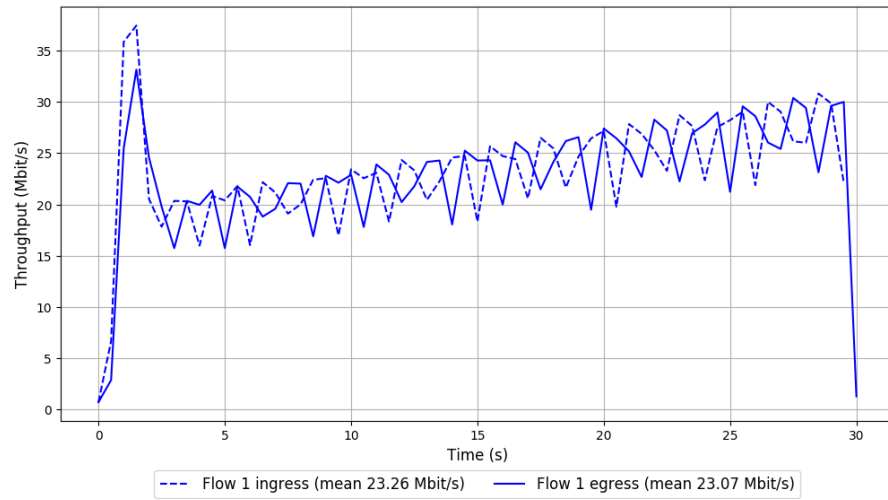

• Flow 1 (95th percentile 137.36 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-04-03 08:17:45
End at: 2018-04-03 08:18:15
Local clock offset: -6.005 ms
Remote clock offset: 4.4 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 100.273 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 100.273 ms
Loss rate: 0.34%
```
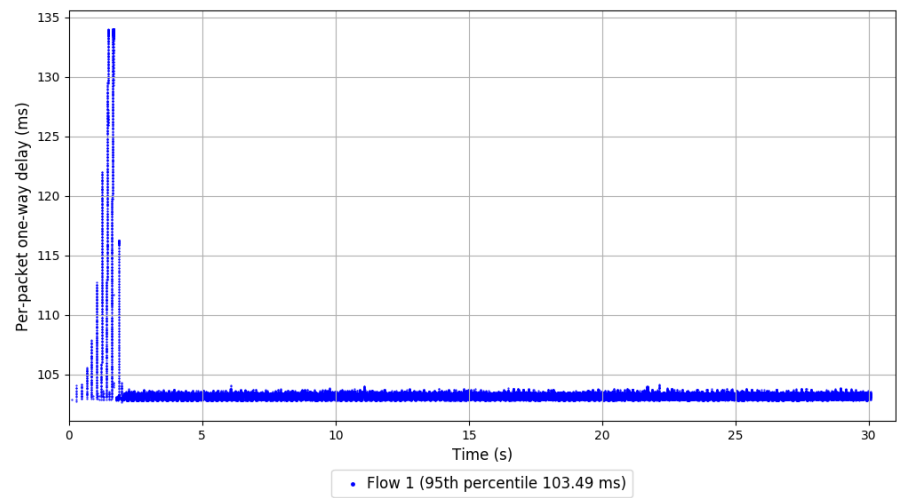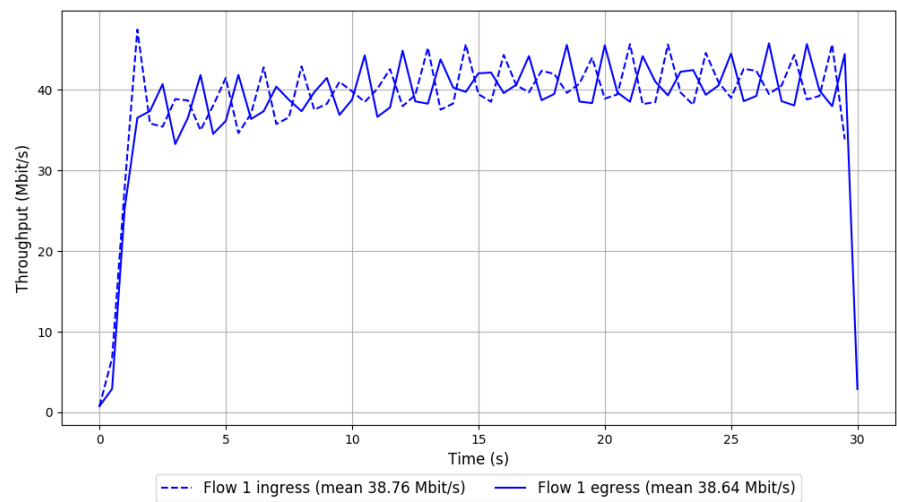
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-04-03 08:40:12
End at: 2018-04-03 08:40:42
Local clock offset: -5.739 ms
Remote clock offset: 5.061 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 100.125 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 100.125 ms
Loss rate: 0.80%
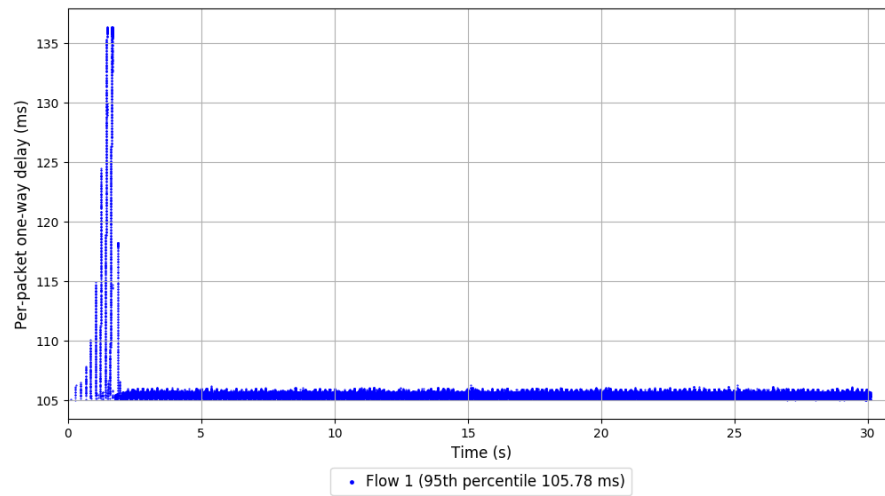```

Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-04-03 09:02:38
End at: 2018-04-03 09:03:08
Local clock offset: -5.289 ms
Remote clock offset: 4.606 ms

Below is generated by plot.py at 2018-04-03 12:26:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 103.491 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 103.491 ms
Loss rate: 0.33%
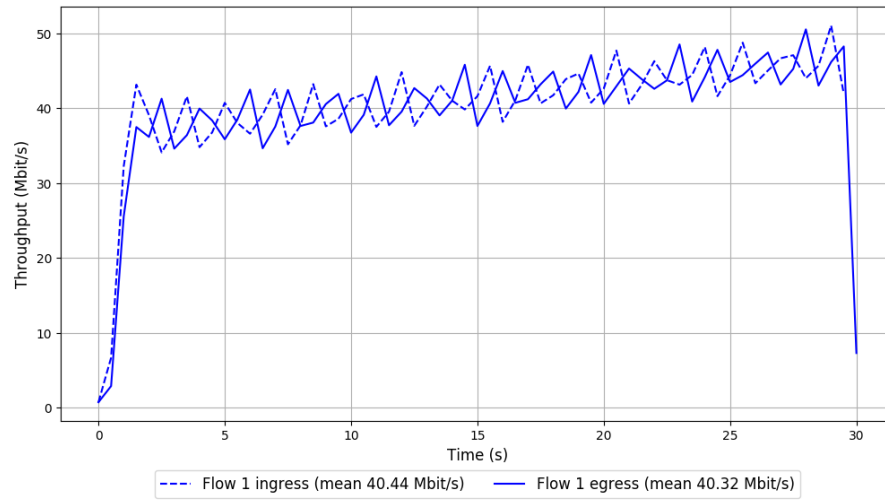```
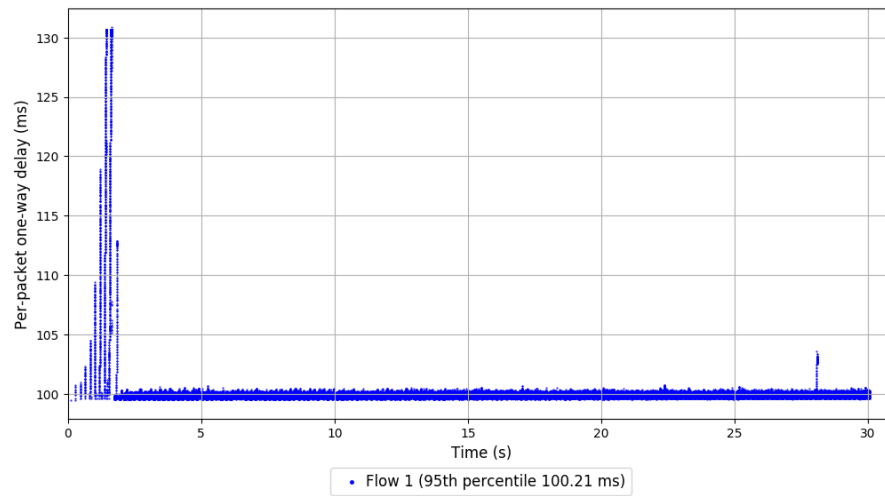
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2018-04-03 09:25:14
End at: 2018-04-03 09:25:44
Local clock offset: -6.147 ms
Remote clock offset: 12.883 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 105.777 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 105.777 ms
Loss rate: 0.30%
```

Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 40.44 Mbit/s)   Flow 1 egress (mean 40.32 Mbit/s)

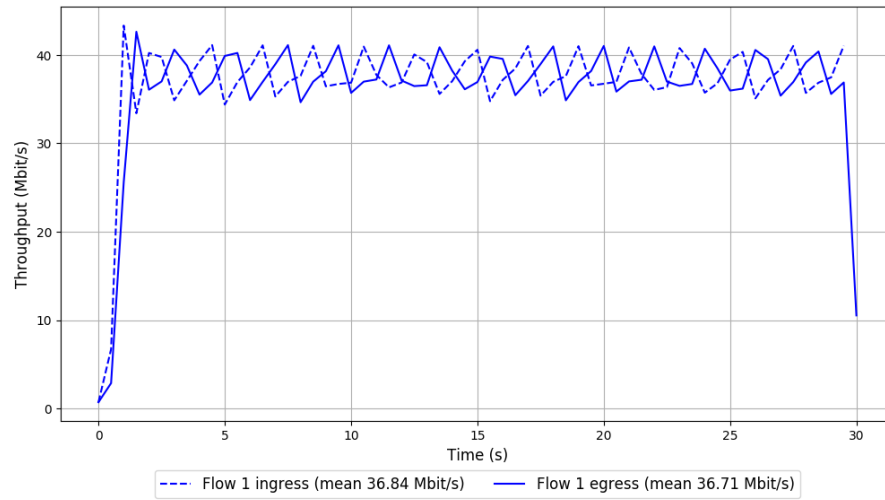

• Flow 1 (95th percentile 105.78 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2018-04-03 09:47:33
End at: 2018-04-03 09:48:03
Local clock offset: -6.833 ms
Remote clock offset: 11.353 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 100.209 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 100.209 ms
Loss rate: 0.34%
```

Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: 2018-04-03 10:10:06
End at: 2018-04-03 10:10:36
Local clock offset: -6.736 ms
Remote clock offset: 4.818 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 98.503 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 98.503 ms
Loss rate: 0.30%
```
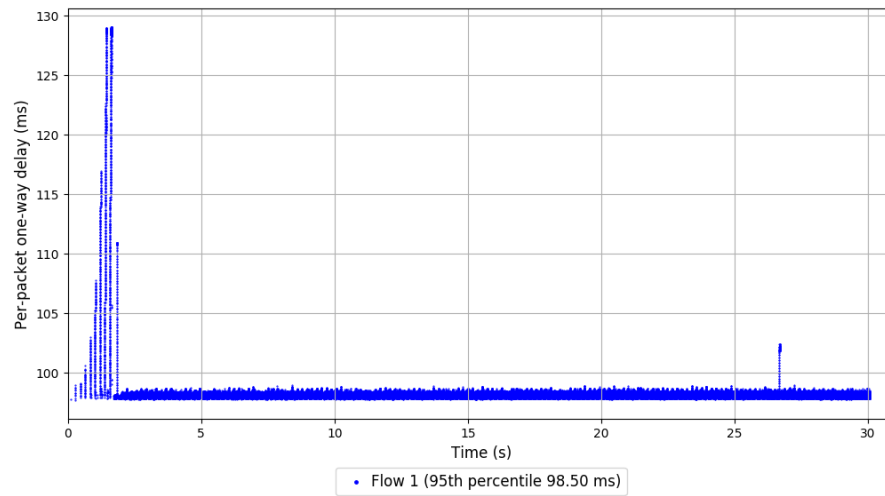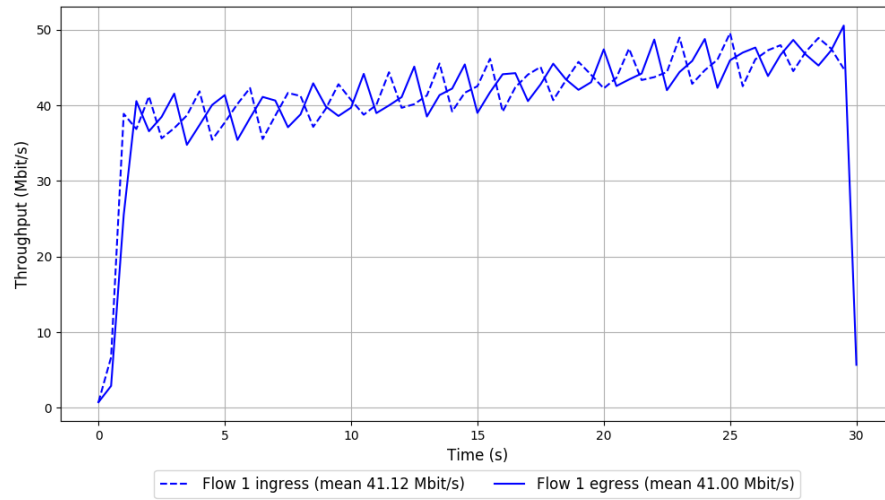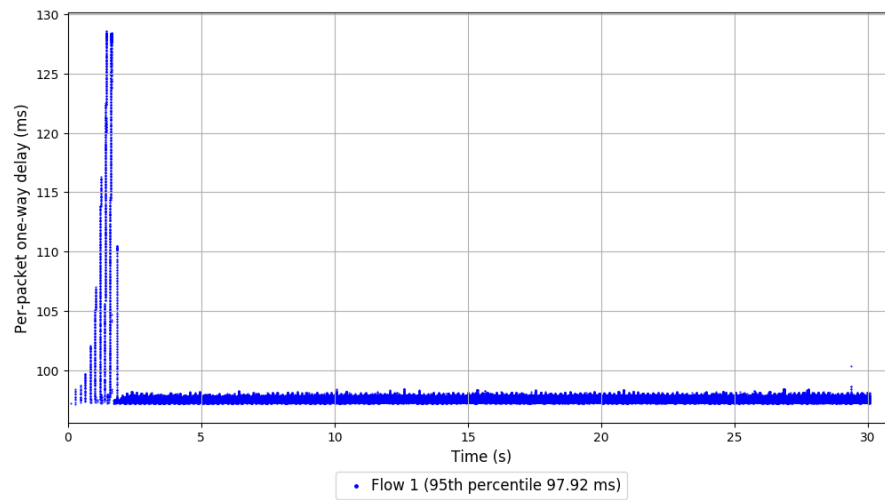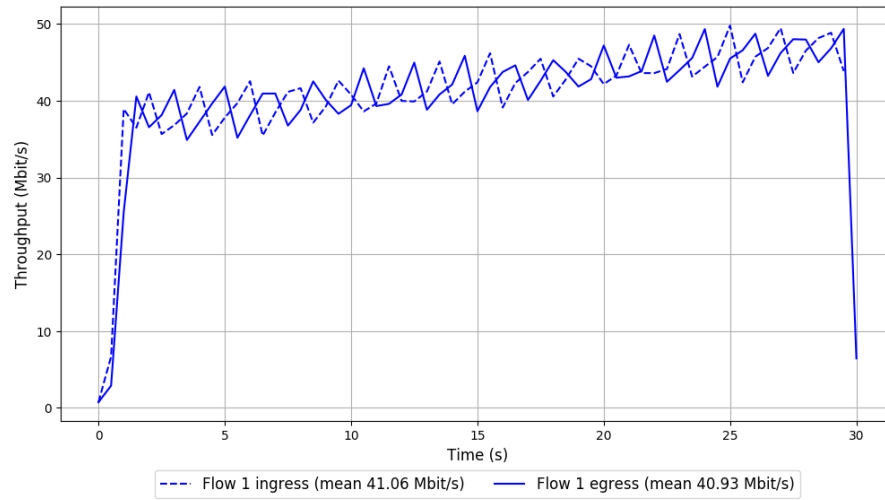
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.12 Mbit/s) — Flow 1 egress (mean 41.00 Mbit/s)
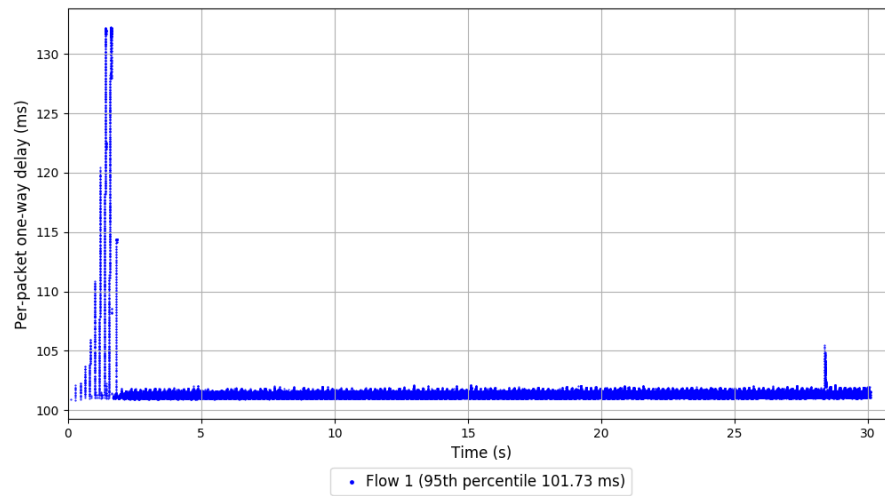

Flow 1 (95th percentile 98.50 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2018-04-03 10:32:34
End at: 2018-04-03 10:33:04
Local clock offset: -6.215 ms
Remote clock offset: 6.397 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 97.918 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 97.918 ms
Loss rate: 0.29%
```

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.06 Mbit/s) Flow 1 egress (mean 40.93 Mbit/s)

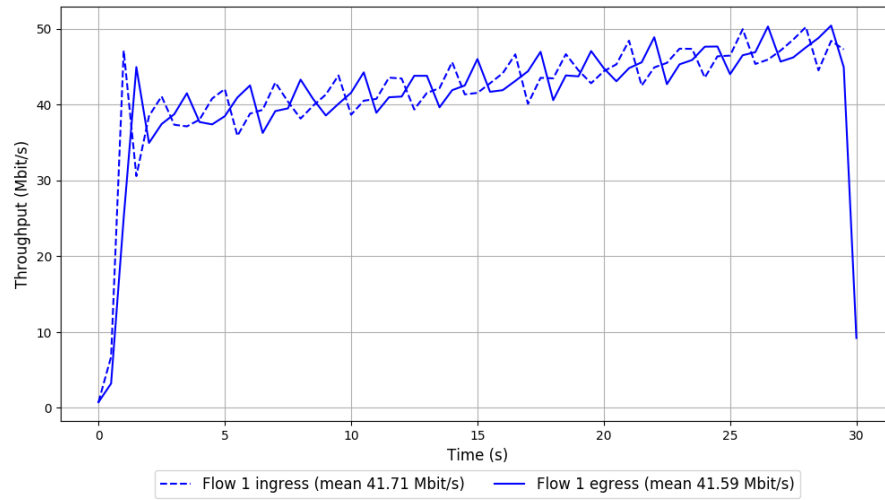Flow 1 (95th percentile 97.92 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-04-03 10:55:03
End at: 2018-04-03 10:55:33
Local clock offset: -5.789 ms
Remote clock offset: 12.088 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.59 Mbit/s
95th percentile per-packet one-way delay: 101.727 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 41.59 Mbit/s
95th percentile per-packet one-way delay: 101.727 ms
Loss rate: 0.29%
```
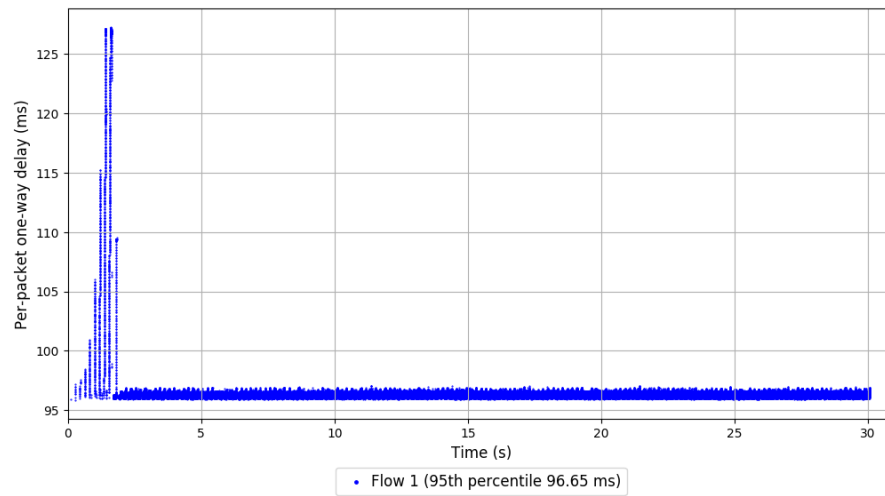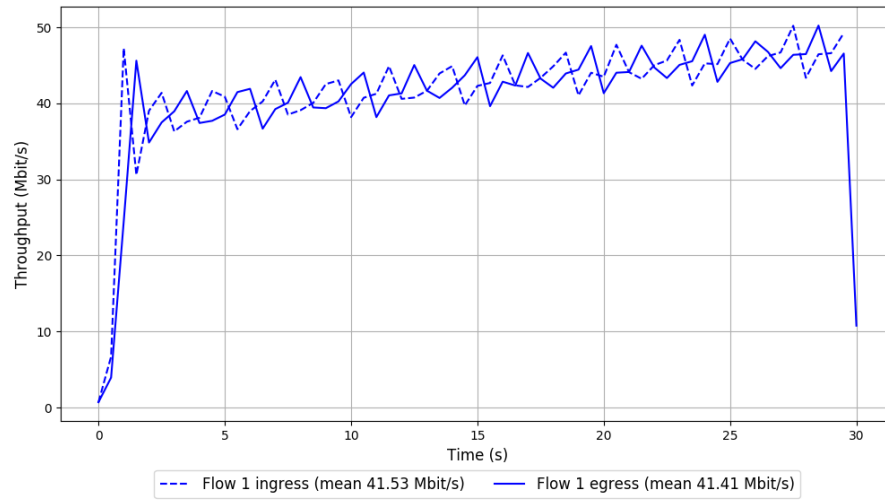
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.71 Mbit/s)   Flow 1 egress (mean 41.59 Mbit/s)
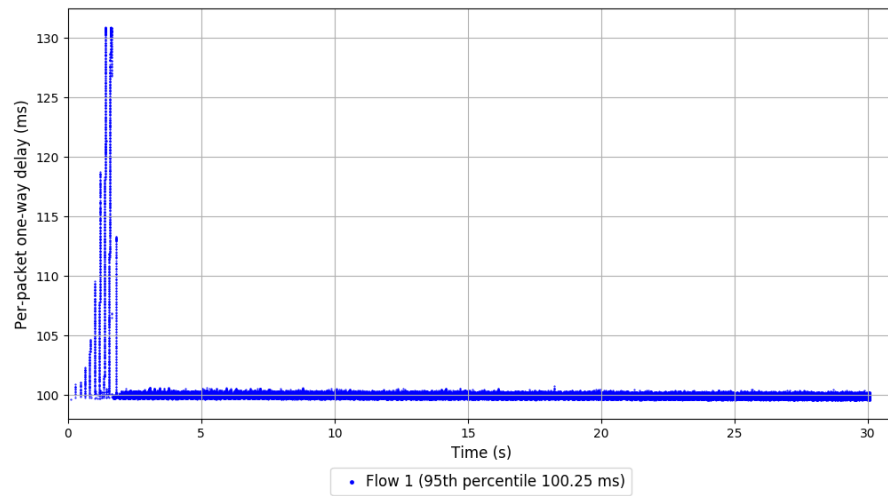
Flow 1 (95th percentile 101.73 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-04-03 11:17:34
End at: 2018-04-03 11:18:04
Local clock offset: -6.098 ms
Remote clock offset: 5.276 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 96.649 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 96.649 ms
Loss rate: 0.30%
```

Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.53 Mbit/s)   Flow 1 egress (mean 41.41 Mbit/s)

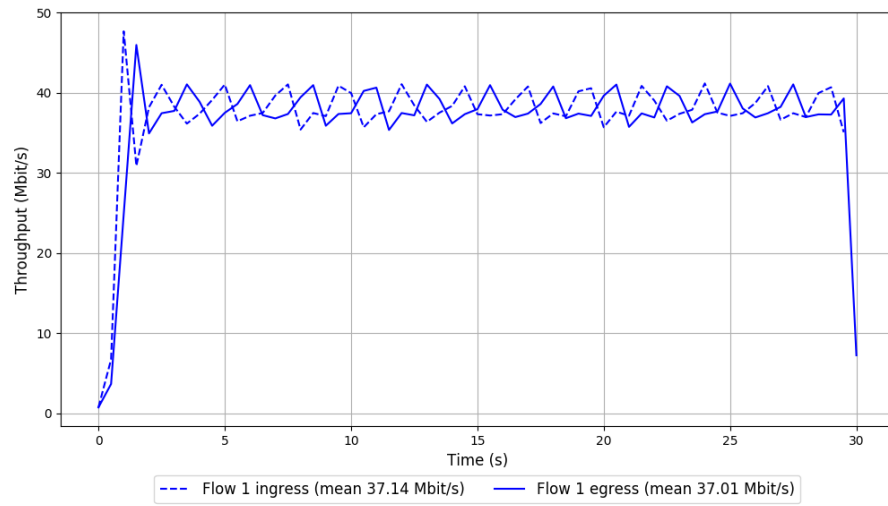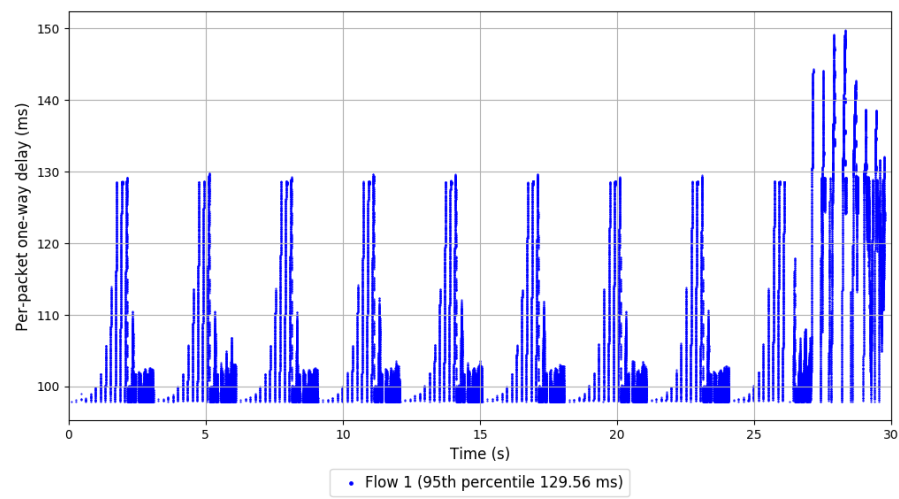

Flow 1 (95th percentile 96.65 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2018-04-03 11:40:05
End at: 2018-04-03 11:40:35
Local clock offset: -5.864 ms
Remote clock offset: 15.746 ms


# Below is generated by plot.py at 2018-04-03 12:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 100.248 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 100.248 ms
Loss rate: 0.33%
```

Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 37.14 Mbit/s) --- Flow 1 egress (mean 37.01 Mbit/s)
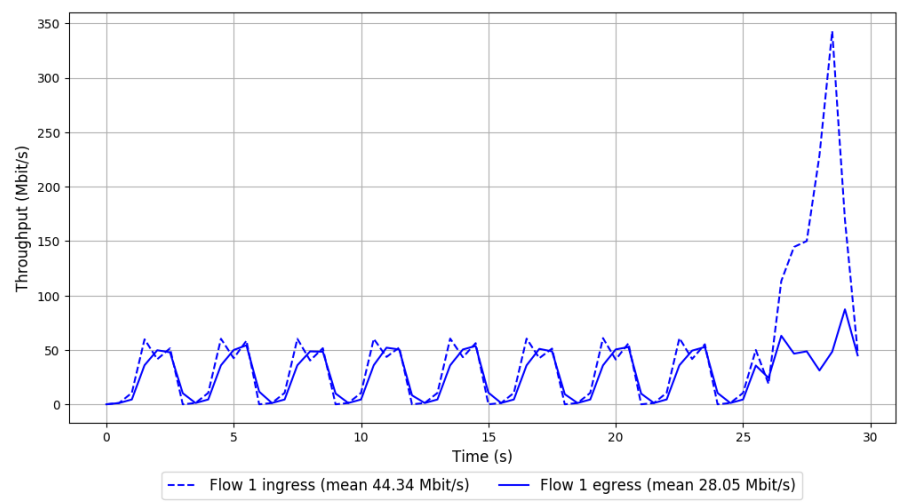

Flow 1 (95th percentile 100.25 ms)

```
Run 1: Statistics of Verus

Start at: 2018-04-03 08:09:04
End at: 2018-04-03 08:09:34
Local clock offset: -6.24 ms
Remote clock offset: 10.681 ms


# Below is generated by plot.py at 2018-04-03 12:26:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 129.562 ms
Loss rate: 36.68%
-- Flow 1:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 129.562 ms
Loss rate: 36.68%
```
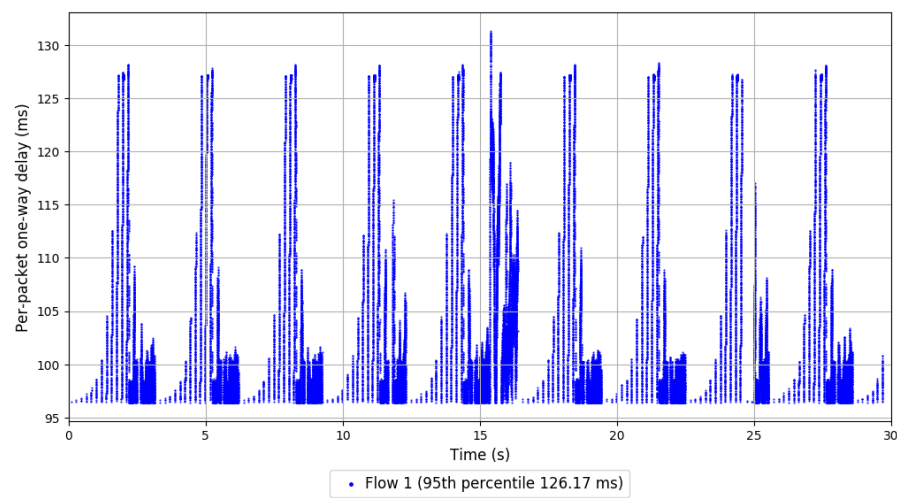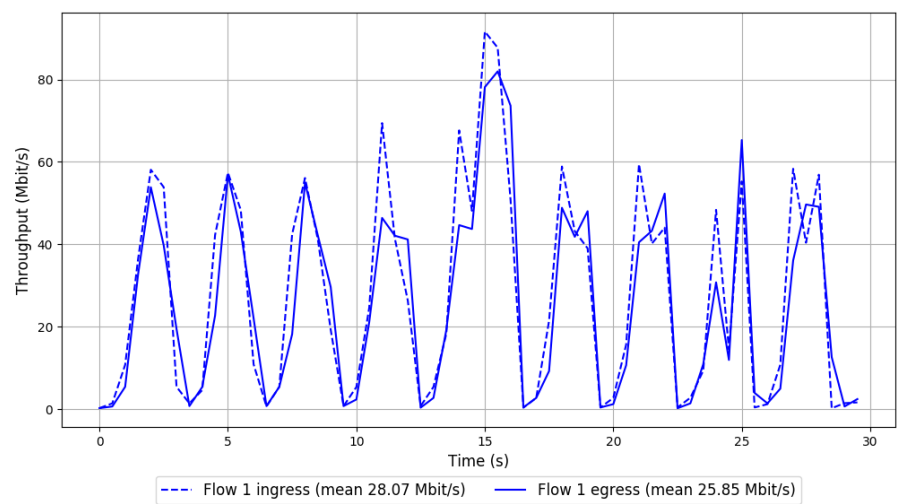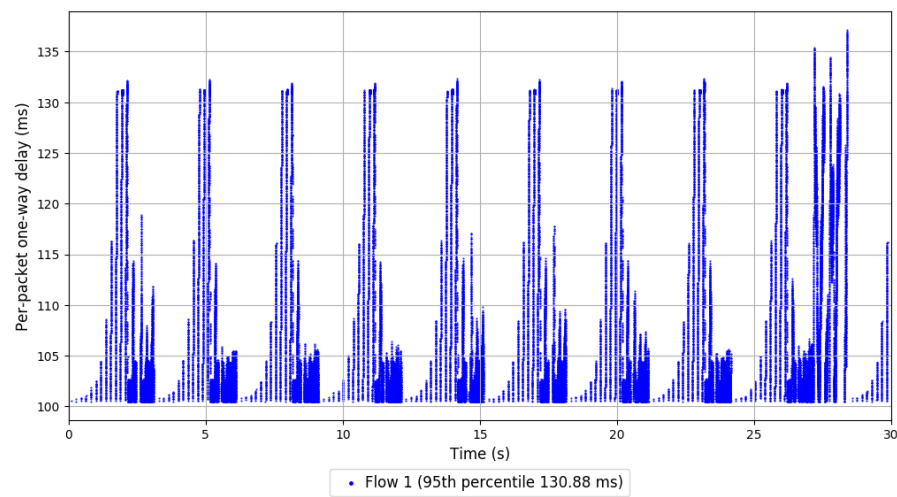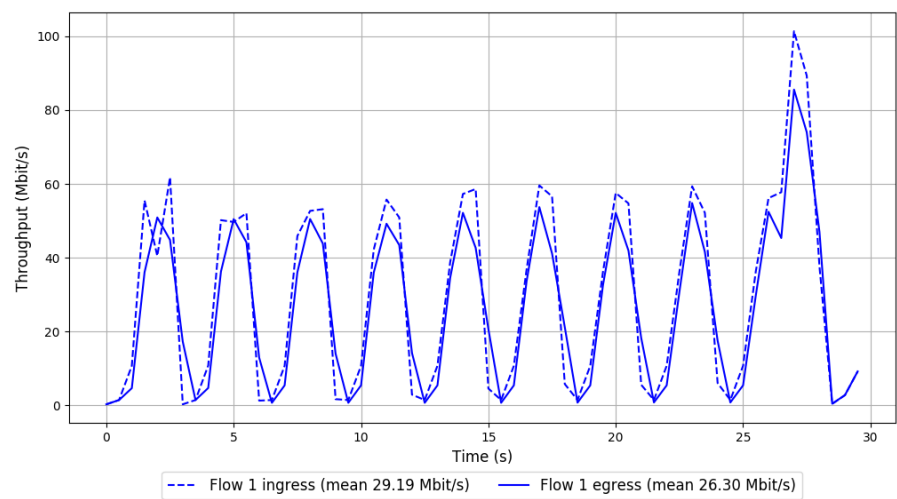
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 44.34 Mbit/s)   Flow 1 egress (mean 28.05 Mbit/s)

Flow 1 (95th percentile 129.56 ms)

```
Run 2: Statistics of Verus

Start at: 2018-04-03 08:31:15
End at: 2018-04-03 08:31:45
Local clock offset: -5.775 ms
Remote clock offset: 4.252 ms


# Below is generated by plot.py at 2018-04-03 12:26:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.85 Mbit/s
95th percentile per-packet one-way delay: 126.169 ms
Loss rate: 7.91%
-- Flow 1:
Average throughput: 25.85 Mbit/s
95th percentile per-packet one-way delay: 126.169 ms
Loss rate: 7.91%
```

Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-04-03 08:53:42
End at: 2018-04-03 08:54:13
Local clock offset: -5.386 ms
Remote clock offset: 10.173 ms


# Below is generated by plot.py at 2018-04-03 12:26:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 130.879 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 130.879 ms
Loss rate: 9.87%
```
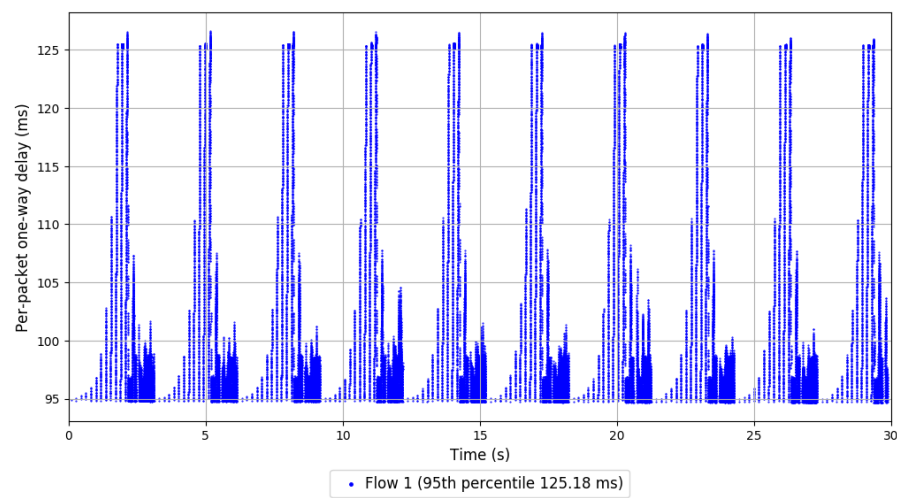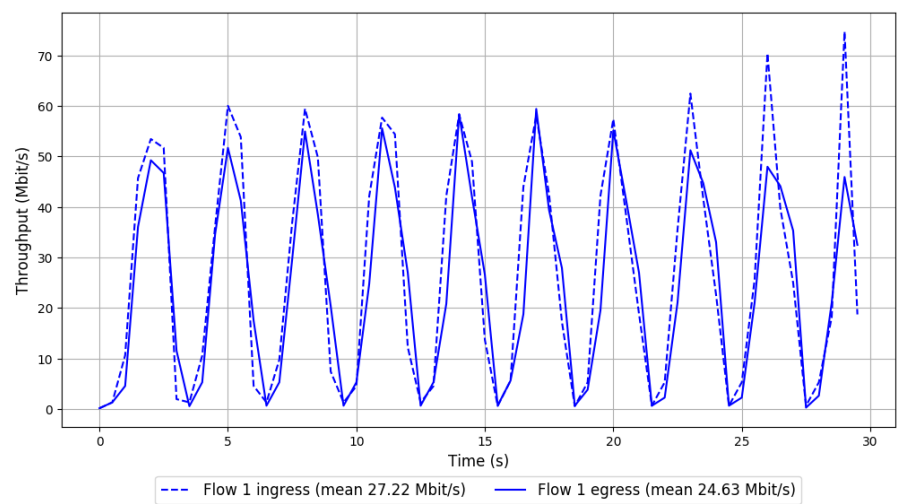
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 29.19 Mbit/s) —— Flow 1 egress (mean 26.30 Mbit/s)

• Flow 1 (95th percentile 130.88 ms)

```
Run 4: Statistics of Verus

Start at: 2018-04-03 09:16:16
End at: 2018-04-03 09:16:46
Local clock offset: -5.407 ms
Remote clock offset: 4.526 ms


# Below is generated by plot.py at 2018-04-03 12:26:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 125.184 ms
Loss rate: 9.48%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 125.184 ms
Loss rate: 9.48%
```
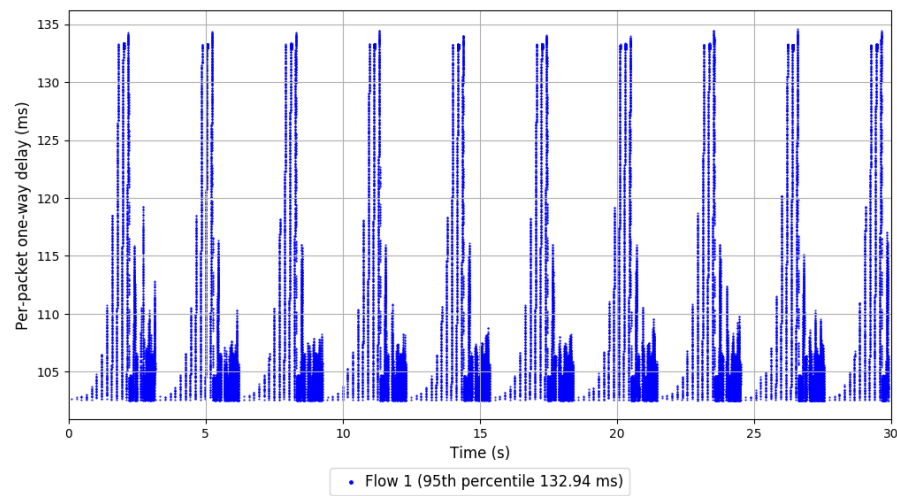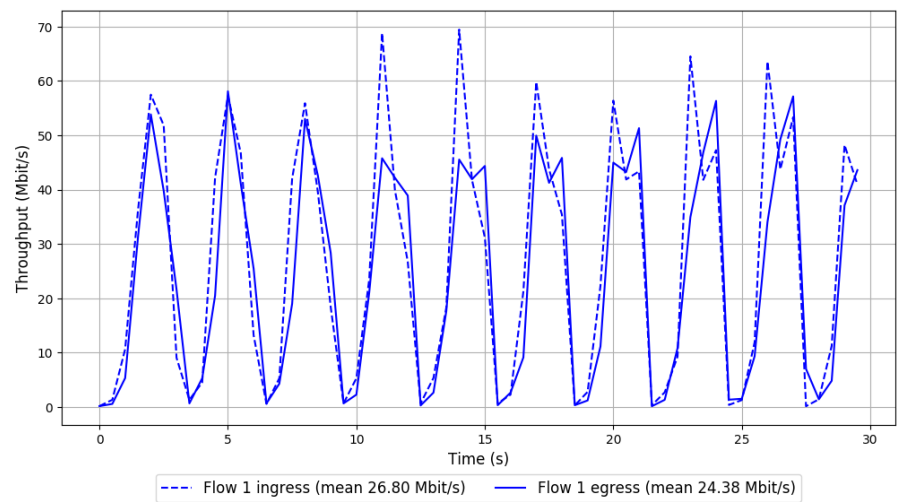
Run 4: Report of Verus — Data Link

Run 5: Statistics of Verus

Start at: 2018-04-03 09:38:49
End at: 2018-04-03 09:39:19
Local clock offset: -6.654 ms
Remote clock offset: 12.49 ms

Below is generated by plot.py at 2018-04-03 12:26:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.38 Mbit/s
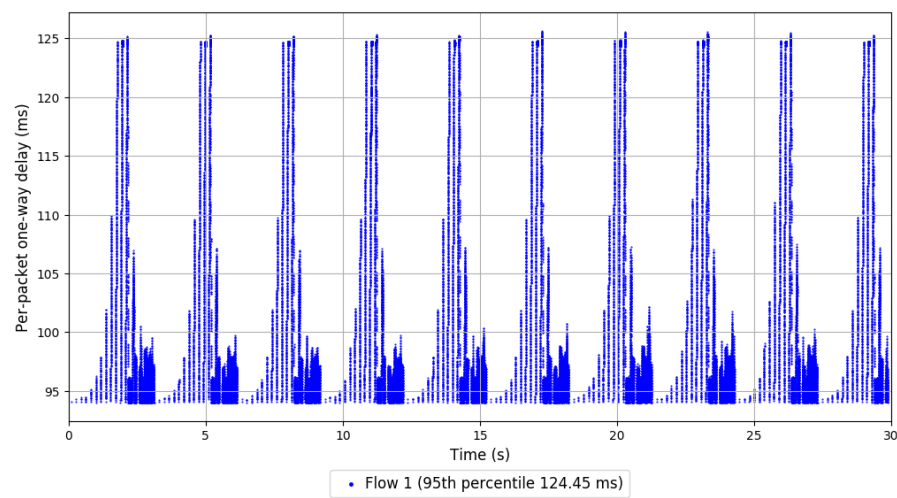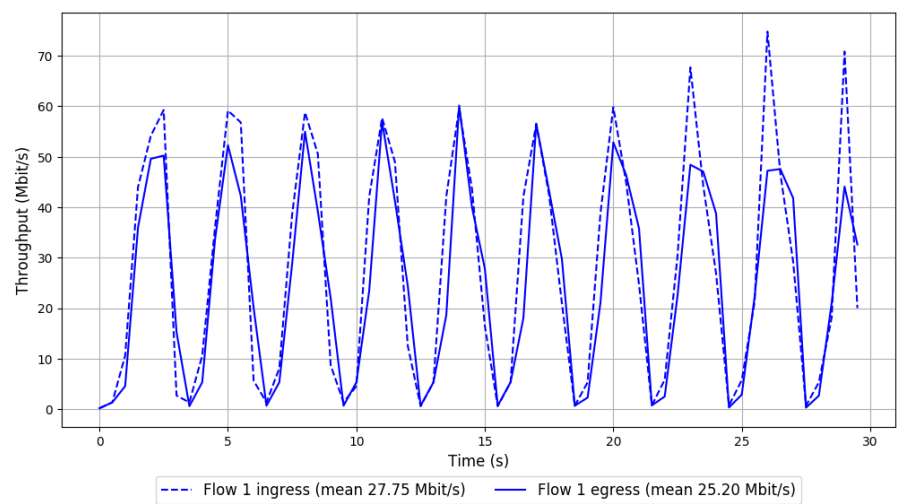95th percentile per-packet one-way delay: 132.941 ms
Loss rate: 9.04%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 132.941 ms
Loss rate: 9.04%

Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 26.80 Mbit/s) — — — —   Flow 1 egress (mean 24.38 Mbit/s) ——

• Flow 1 (95th percentile 132.94 ms)

```
Run 6: Statistics of Verus

Start at: 2018-04-03 10:01:08
End at: 2018-04-03 10:01:38
Local clock offset: -6.708 ms
Remote clock offset: 5.922 ms


# Below is generated by plot.py at 2018-04-03 12:26:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 124.452 ms
Loss rate: 9.18%
-- Flow 1:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 124.452 ms
Loss rate: 9.18%
```
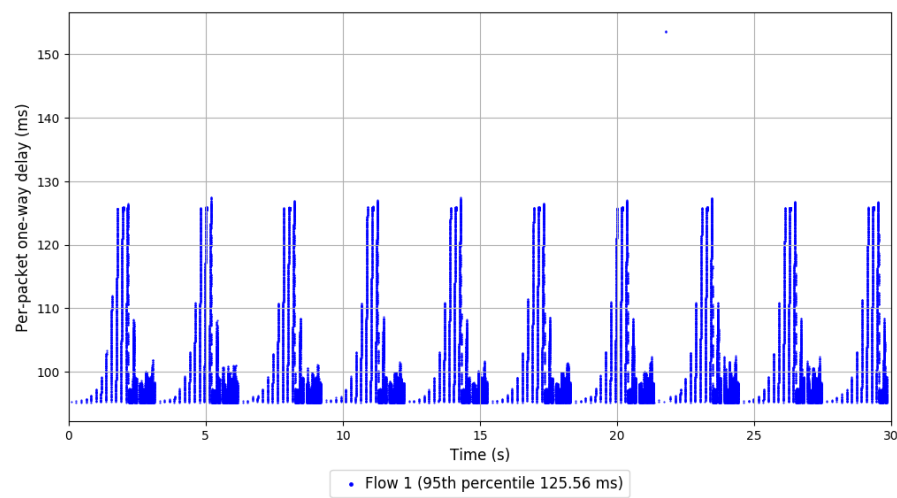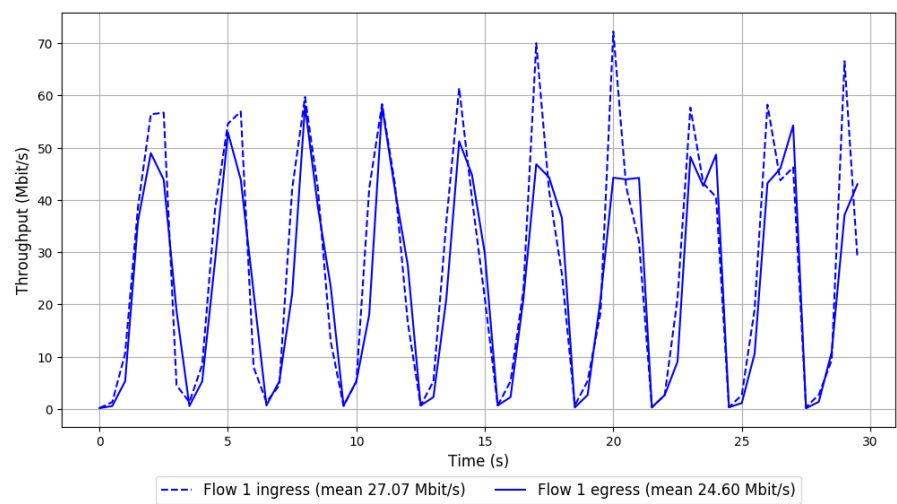
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-04-03 10:23:38
End at: 2018-04-03 10:24:08
Local clock offset: -6.868 ms
Remote clock offset: 5.053 ms


# Below is generated by plot.py at 2018-04-03 12:26:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 125.561 ms
Loss rate: 9.09%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 125.561 ms
Loss rate: 9.09%
```

Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-04-03 10:46:07
End at: 2018-04-03 10:46:37
Local clock offset: -5.833 ms
Remote clock offset: 6.742 ms


# Below is generated by plot.py at 2018-04-03 12:26:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 126.284 ms
Loss rate: 9.13%
-- Flow 1:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 126.284 ms
Loss rate: 9.13%
```
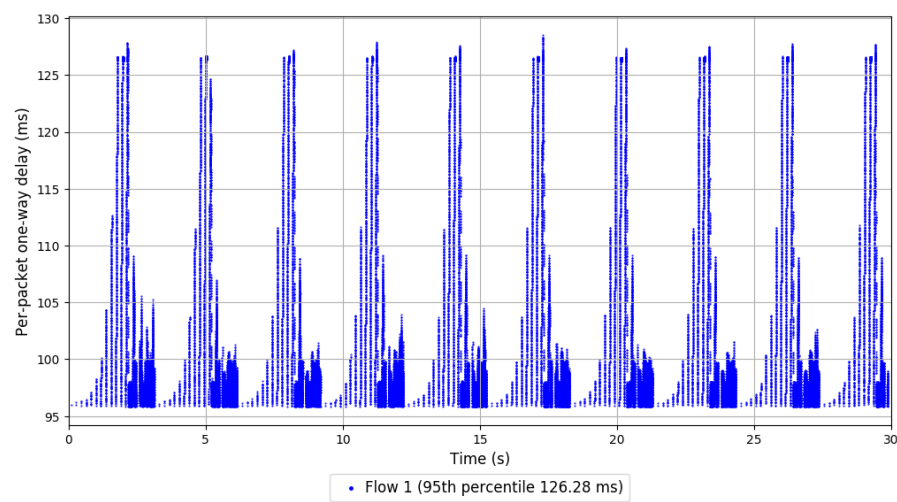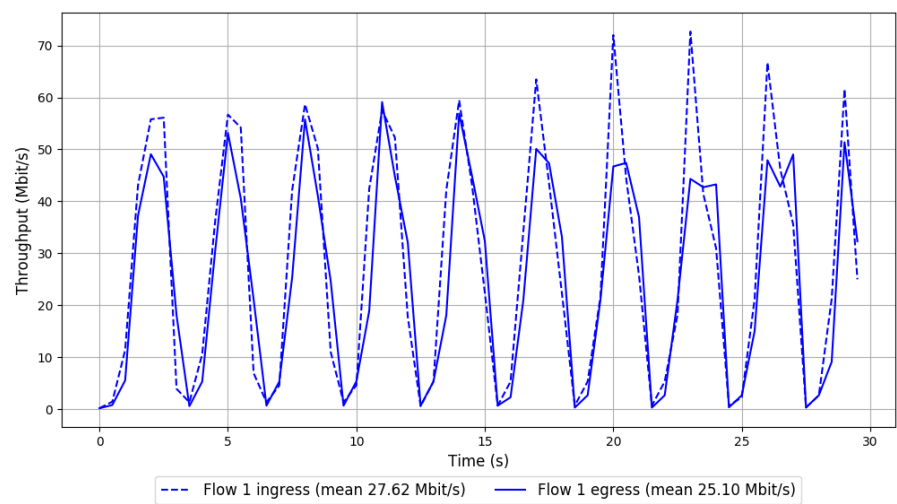
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 27.62 Mbit/s) --- Flow 1 egress (mean 25.10 Mbit/s)

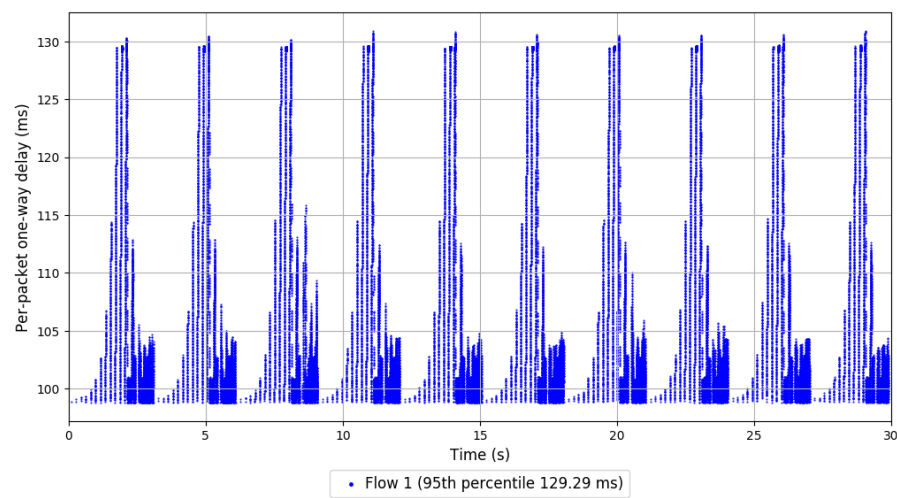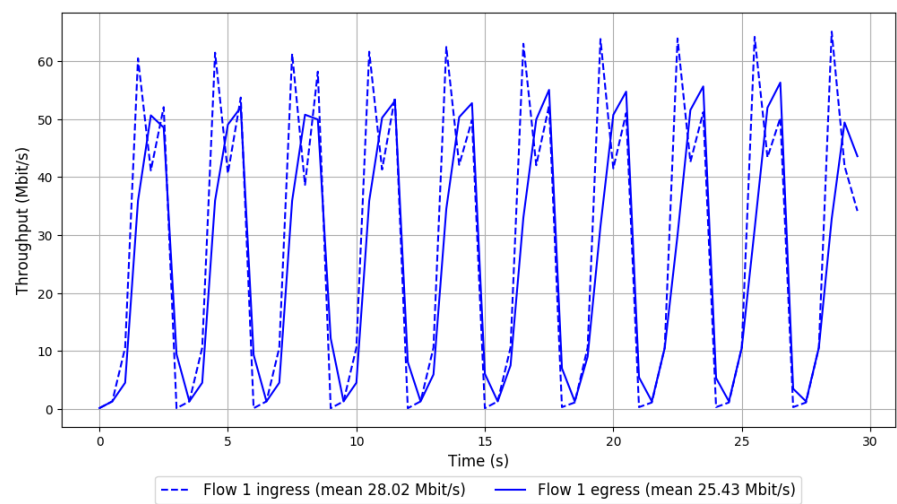Flow 1 (95th percentile 126.28 ms)

```
Run 9: Statistics of Verus

Start at: 2018-04-03 11:08:35
End at: 2018-04-03 11:09:05
Local clock offset: -6.025 ms
Remote clock offset: 10.978 ms


# Below is generated by plot.py at 2018-04-03 12:26:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 129.289 ms
Loss rate: 9.24%
-- Flow 1:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 129.289 ms
Loss rate: 9.24%
```

Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2018-04-03 11:31:08
End at: 2018-04-03 11:31:38
Local clock offset: -6.046 ms
Remote clock offset: 6.475 ms


# Below is generated by plot.py at 2018-04-03 12:26:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 130.219 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 130.219 ms
Loss rate: 7.35%
```
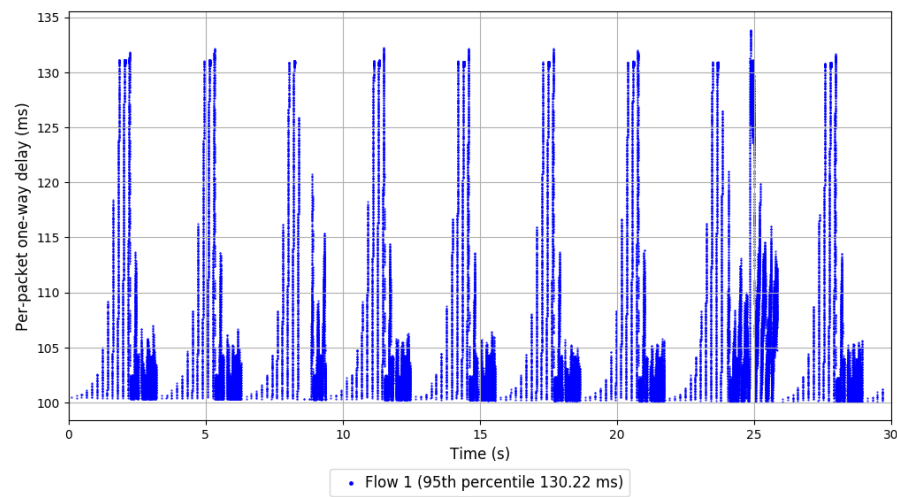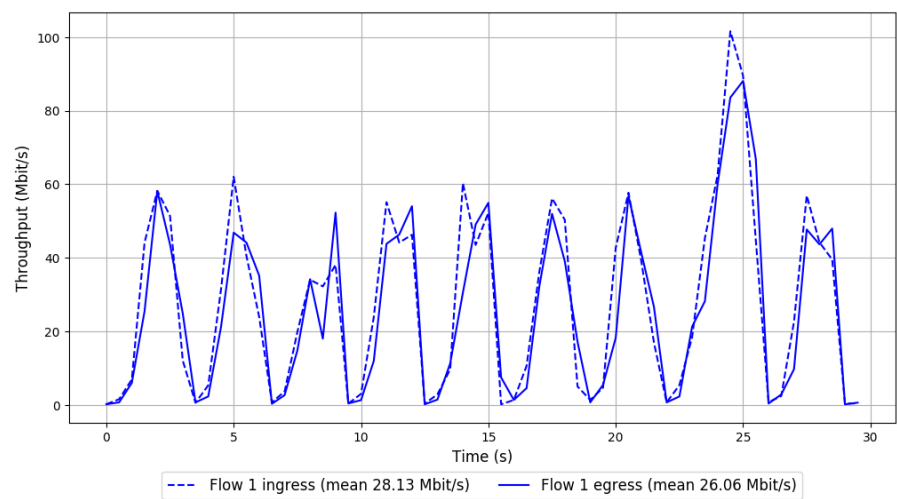
Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 28.13 Mbit/s)   Flow 1 egress (mean 26.06 Mbit/s)

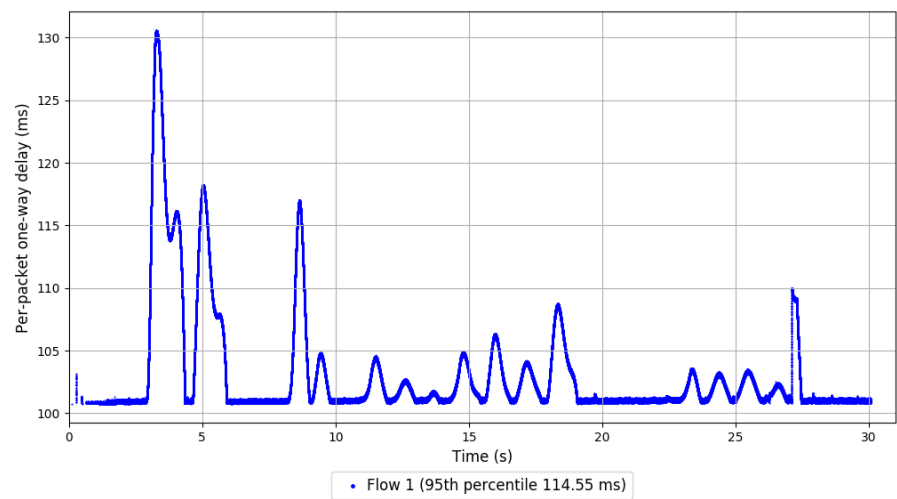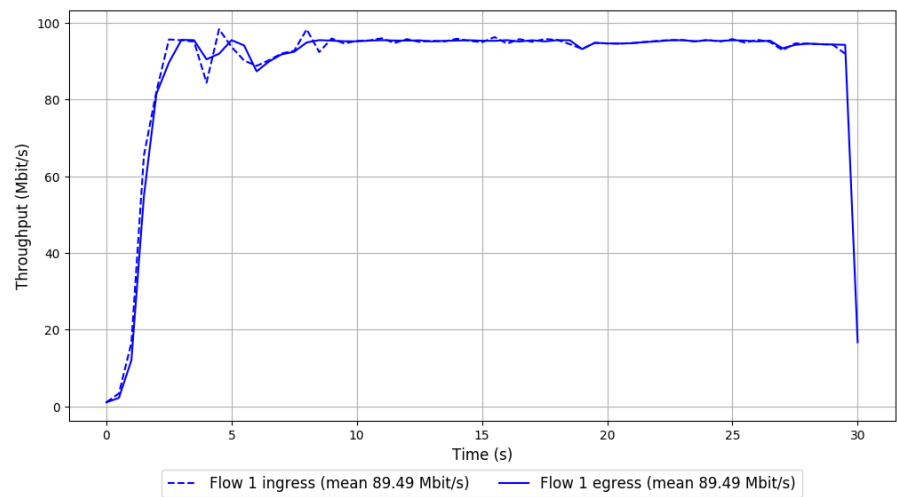Flow 1 (95th percentile 130.22 ms)

```
Run 1: Statistics of Copa

Start at: 2018-04-03 08:11:31
End at: 2018-04-03 08:12:01
Local clock offset: -6.1 ms
Remote clock offset: 10.826 ms


# Below is generated by plot.py at 2018-04-03 12:27:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 114.551 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 114.551 ms
Loss rate: 0.01%
```

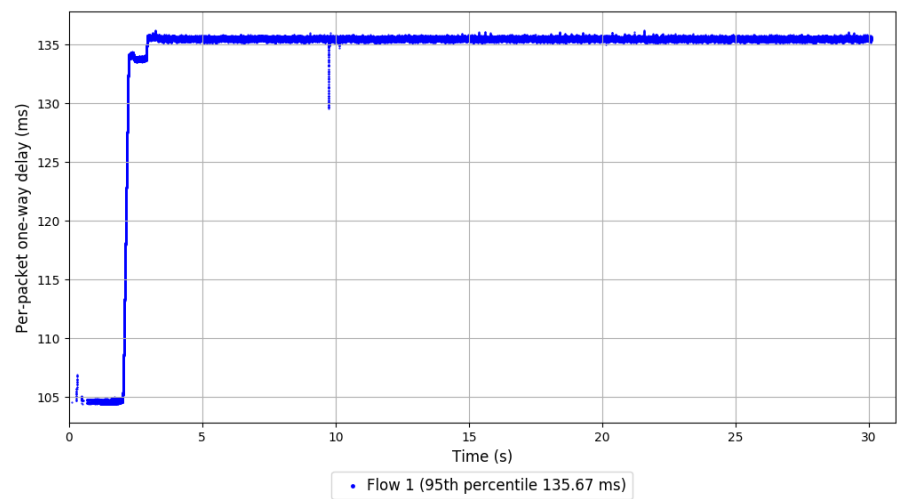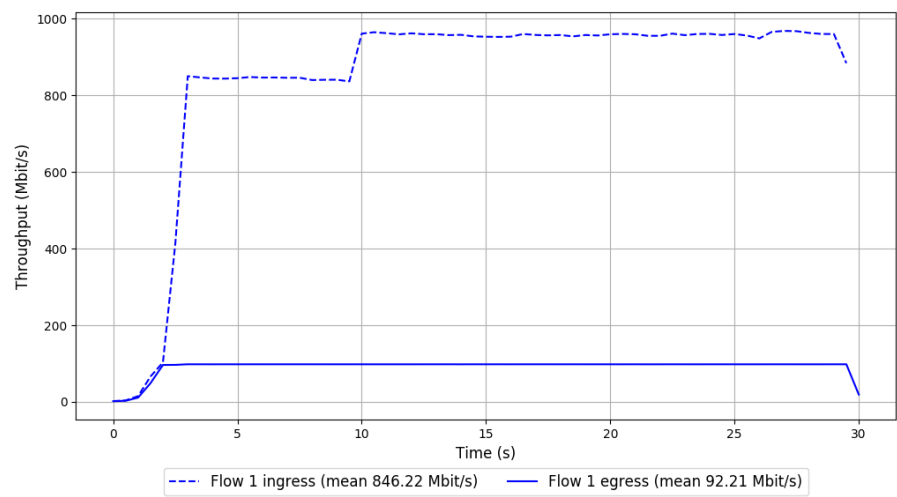Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2018-04-03 08:33:42
End at: 2018-04-03 08:34:12
Local clock offset: -5.756 ms
Remote clock offset: 10.663 ms


# Below is generated by plot.py at 2018-04-03 12:32:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 135.669 ms
Loss rate: 89.09%
-- Flow 1:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 135.669 ms
Loss rate: 89.09%
```
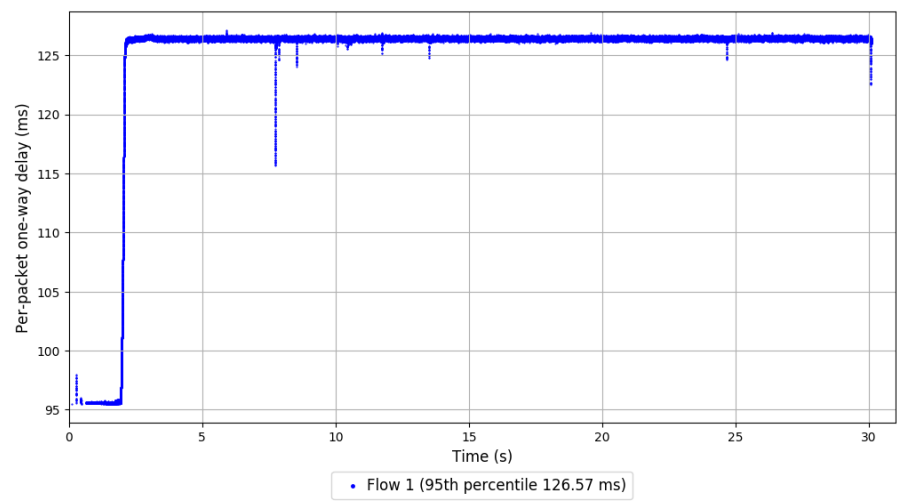
Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 846.22 Mbit/s) --- Flow 1 egress (mean 92.21 Mbit/s)

• Flow 1 (95th percentile 135.67 ms)

```
Run 3: Statistics of Copa

Start at: 2018-04-03 08:56:10
End at: 2018-04-03 08:56:40
Local clock offset: -5.35 ms
Remote clock offset: 4.858 ms


# Below is generated by plot.py at 2018-04-03 12:32:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 126.567 ms
Loss rate: 88.33%
-- Flow 1:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 126.567 ms
Loss rate: 88.33%
```
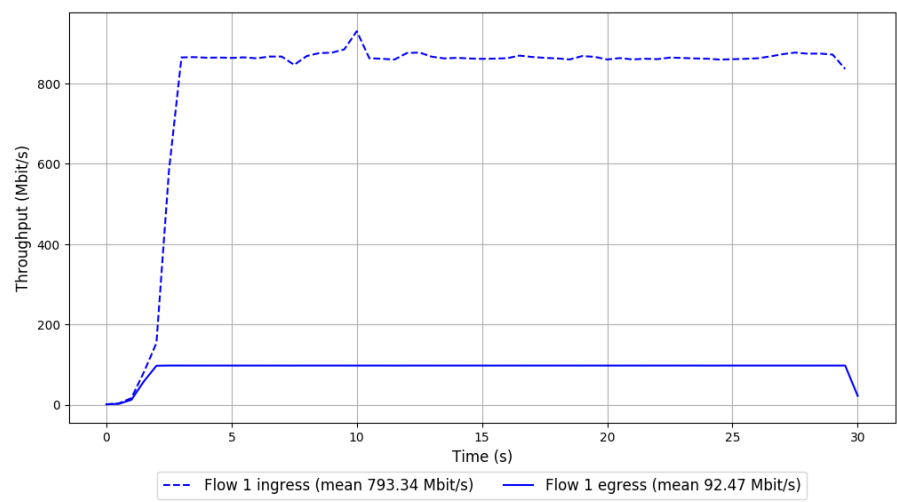
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 793.34 Mbit/s) ----   Flow 1 egress (mean 92.47 Mbit/s) ——

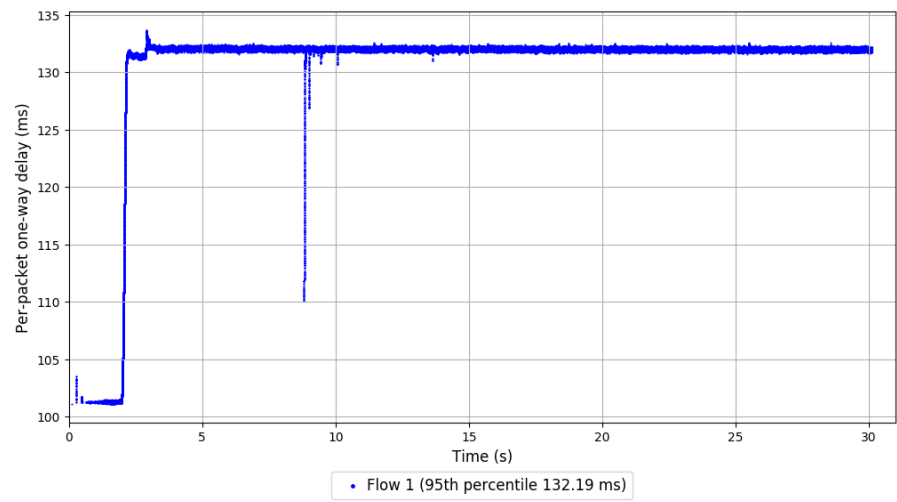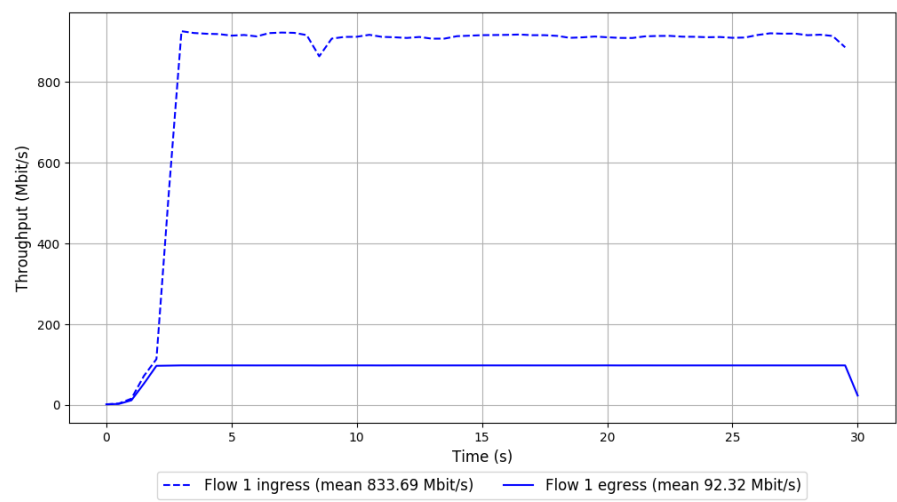
• Flow 1 (95th percentile 126.57 ms)

```
Run 4: Statistics of Copa

Start at: 2018-04-03 09:18:44
End at: 2018-04-03 09:19:14
Local clock offset: -5.685 ms
Remote clock offset: 11.262 ms


# Below is generated by plot.py at 2018-04-03 12:32:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 132.191 ms
Loss rate: 88.91%
-- Flow 1:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 132.191 ms
Loss rate: 88.91%
```

Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2018-04-03 09:41:17
End at: 2018-04-03 09:41:47
Local clock offset: -6.704 ms
Remote clock offset: 12.72 ms


# Below is generated by plot.py at 2018-04-03 12:32:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 110.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 110.224 ms
Loss rate: 0.00%
```
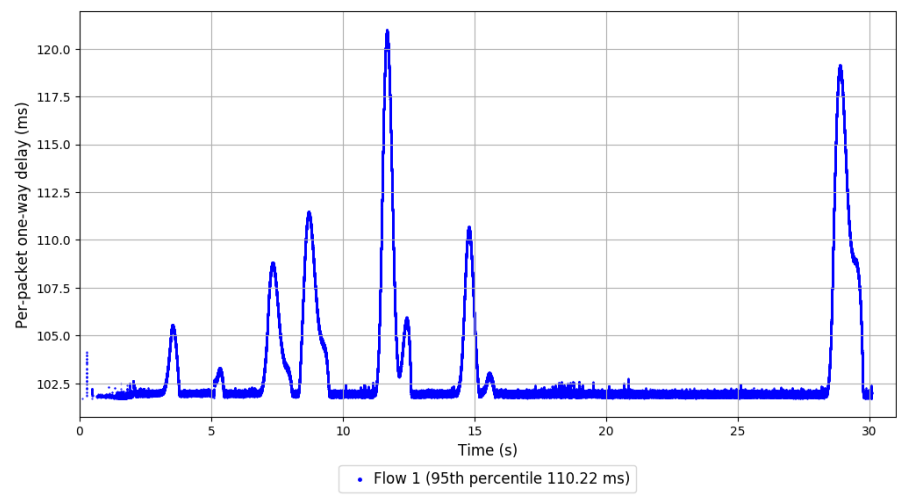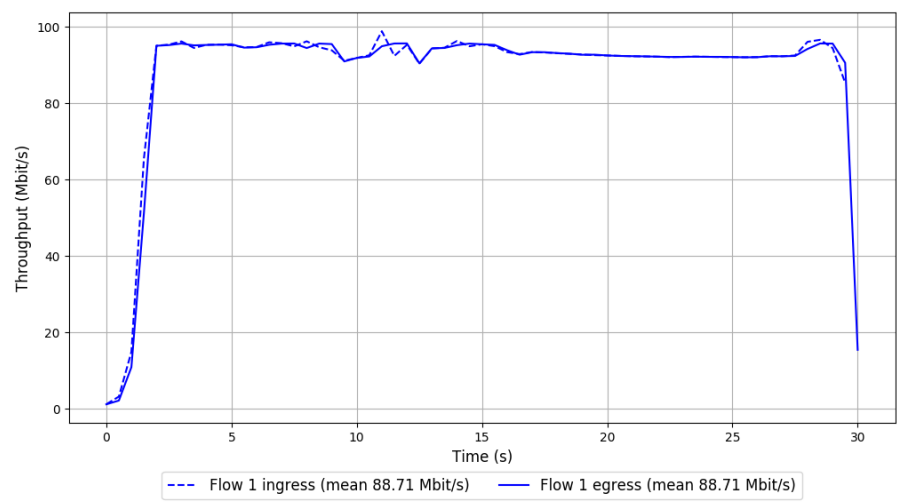
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-04-03 10:03:36
End at: 2018-04-03 10:04:06
Local clock offset: -6.703 ms
Remote clock offset: 4.85 ms


# Below is generated by plot.py at 2018-04-03 12:32:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 122.498 ms
Loss rate: 88.30%
-- Flow 1:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 122.498 ms
Loss rate: 88.30%
```
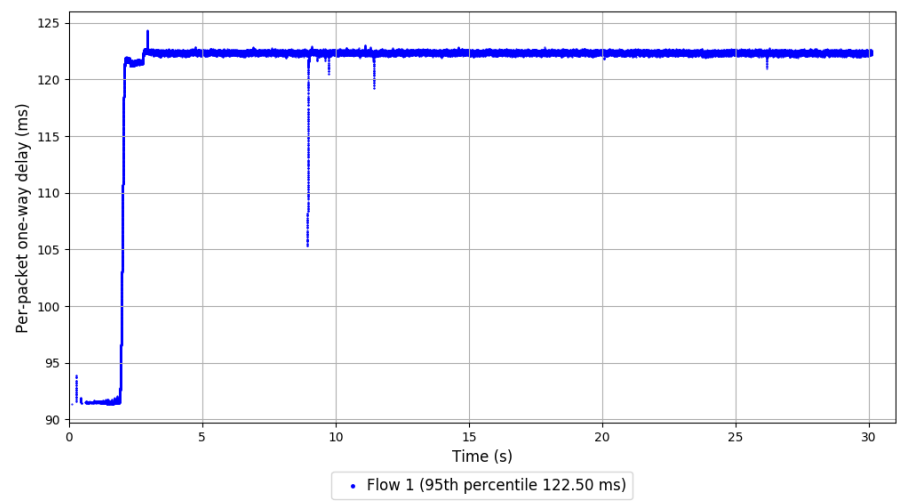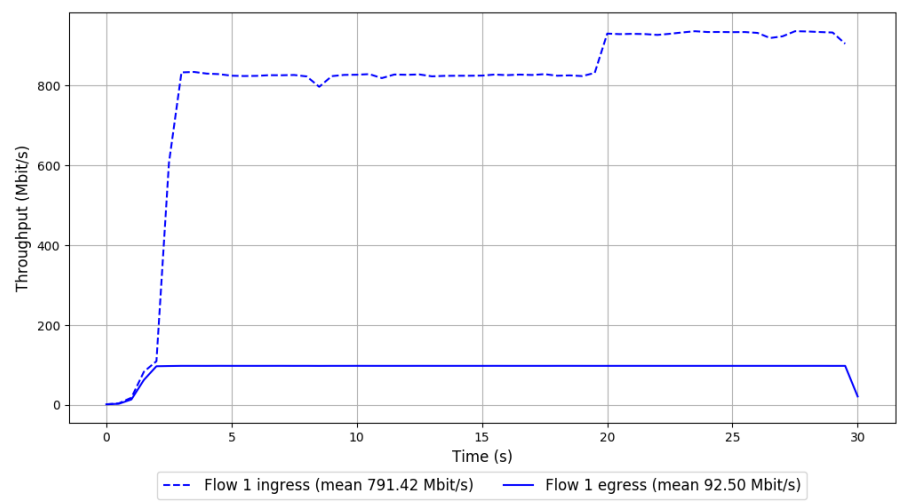
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2018-04-03 10:26:05
End at: 2018-04-03 10:26:35
Local clock offset: -6.551 ms
Remote clock offset: 5.173 ms


# Below is generated by plot.py at 2018-04-03 12:32:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 130.671 ms
Loss rate: 88.11%
-- Flow 1:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 130.671 ms
Loss rate: 88.11%
```
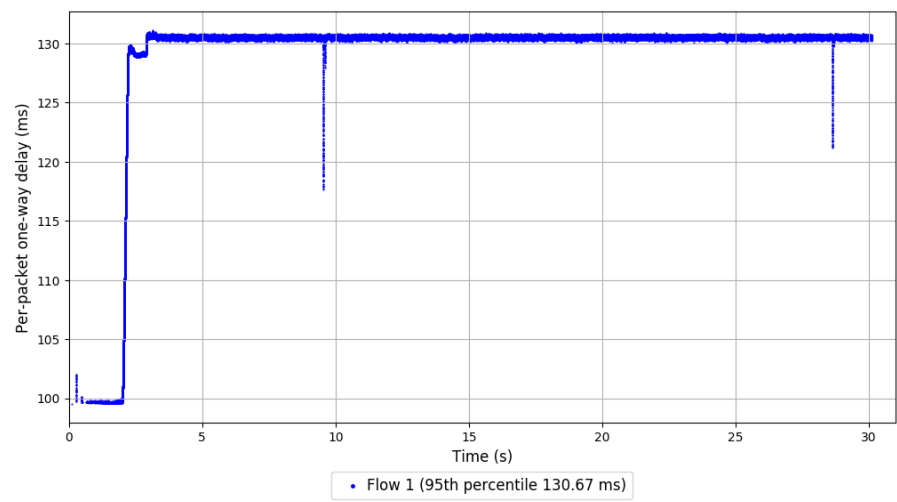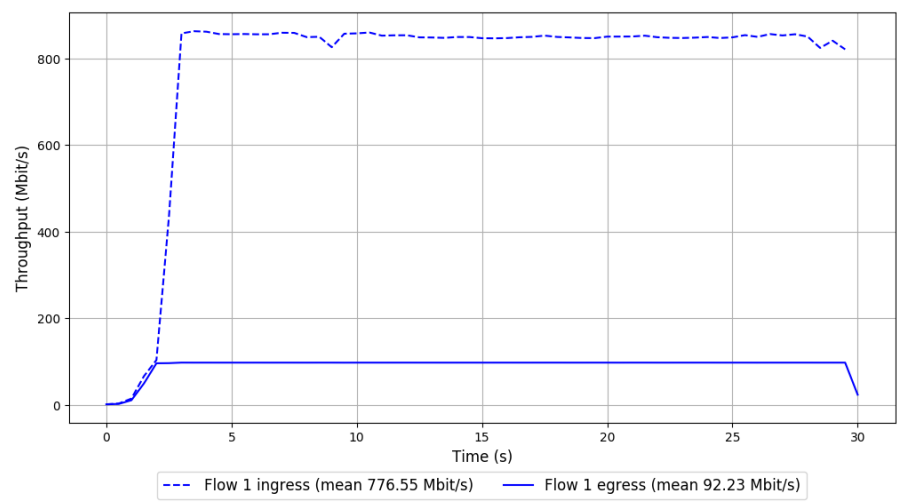
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 776.55 Mbit/s) --- Flow 1 egress (mean 92.23 Mbit/s)

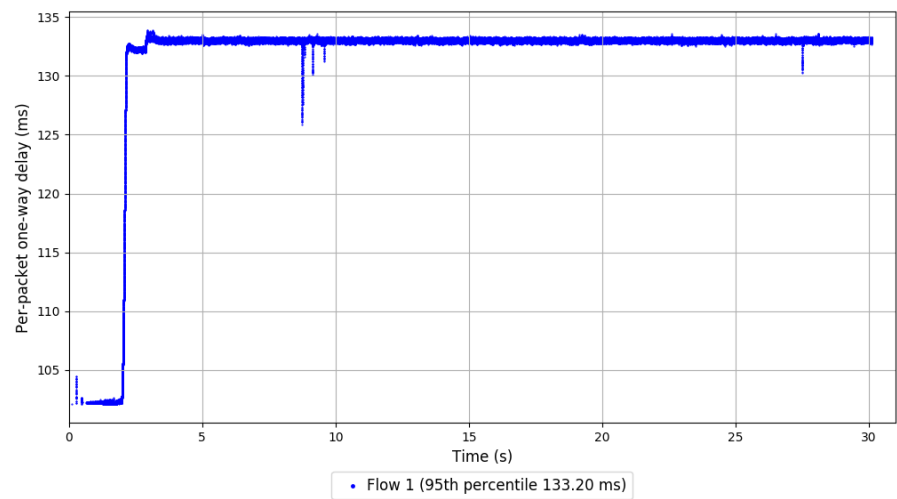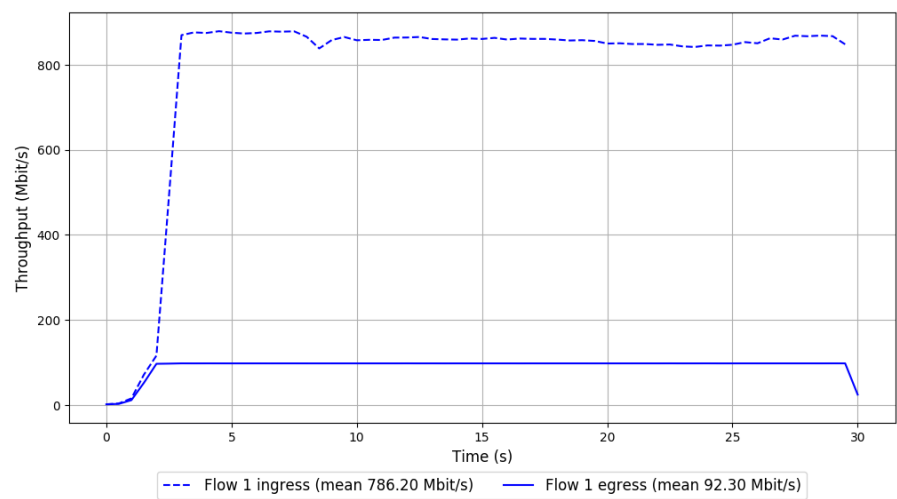Flow 1 (95th percentile 130.67 ms)

```
Run 8: Statistics of Copa

Start at: 2018-04-03 10:48:34
End at: 2018-04-03 10:49:04
Local clock offset: -5.808 ms
Remote clock offset: 13.242 ms


# Below is generated by plot.py at 2018-04-03 12:32:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 133.197 ms
Loss rate: 88.25%
-- Flow 1:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 133.197 ms
Loss rate: 88.25%
```

Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 786.20 Mbit/s) --- Flow 1 egress (mean 92.30 Mbit/s)

Flow 1 (95th percentile 133.20 ms)

```
Run 9: Statistics of Copa

Start at: 2018-04-03 11:11:03
End at: 2018-04-03 11:11:33
Local clock offset: -6.002 ms
Remote clock offset: 9.902 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 132.899 ms
Loss rate: 89.35%
-- Flow 1:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 132.899 ms
Loss rate: 89.35%
```
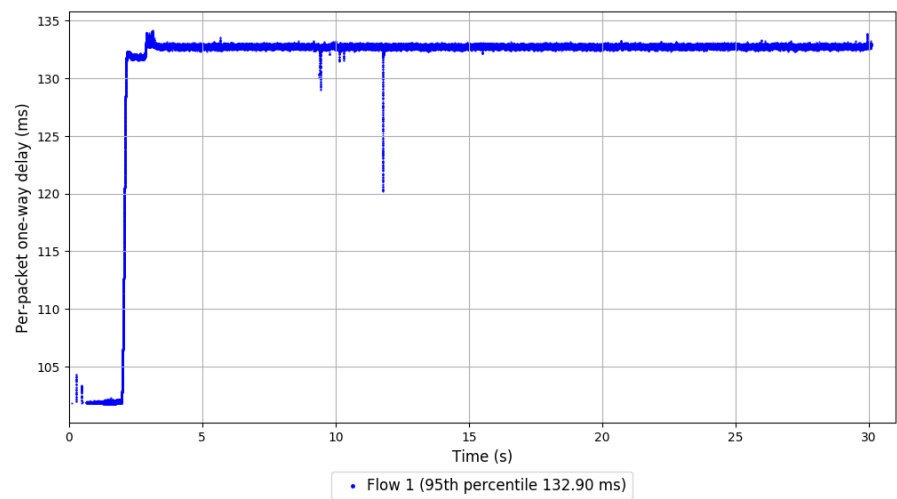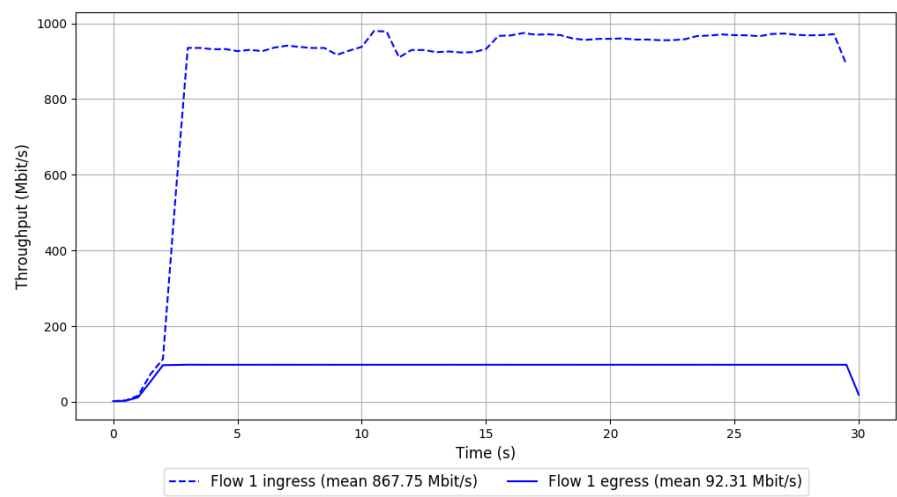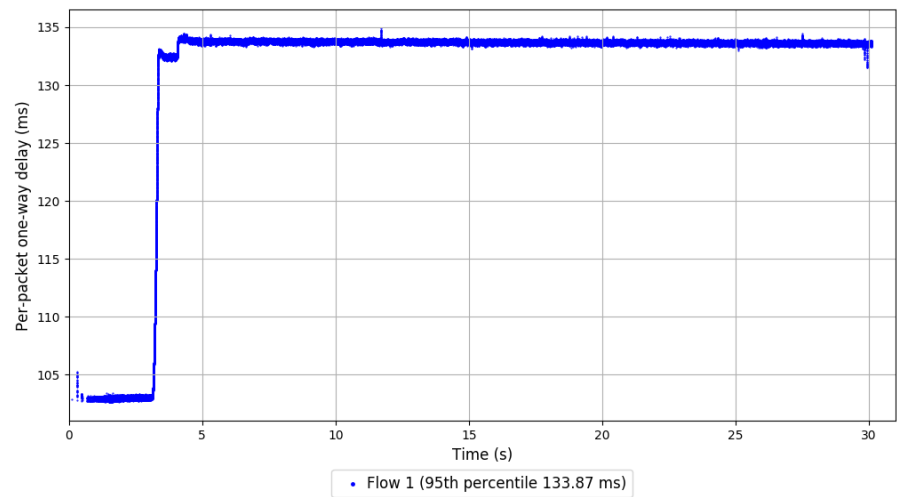
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 867.75 Mbit/s)   Flow 1 egress (mean 92.31 Mbit/s)

Flow 1 (95th percentile 132.90 ms)

```
Run 10: Statistics of Copa

Start at: 2018-04-03 11:33:37
End at: 2018-04-03 11:34:07
Local clock offset: -5.974 ms
Remote clock offset: 8.897 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 133.872 ms
Loss rate: 88.38%
-- Flow 1:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 133.872 ms
Loss rate: 88.38%
```
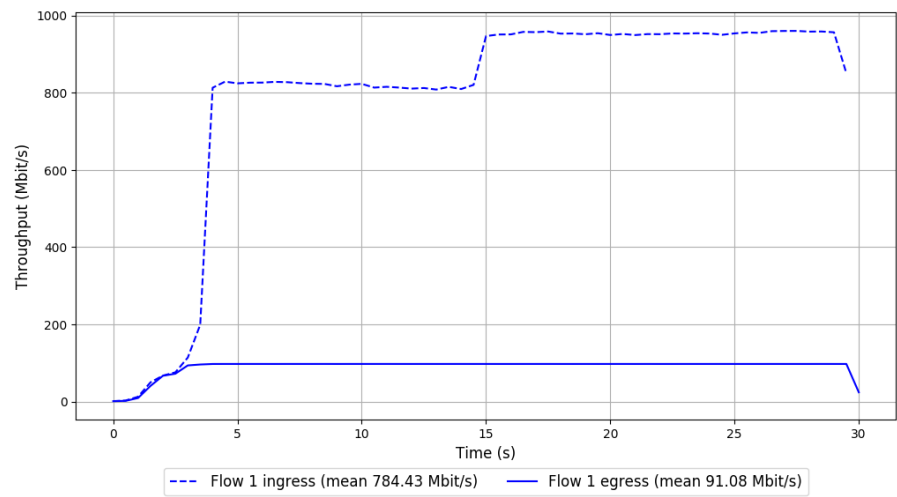
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of FillP

Start at: 2018-04-03 08:20:09
End at: 2018-04-03 08:20:39
Local clock offset: -5.884 ms
Remote clock offset: 9.834 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 128.989 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 128.989 ms
Loss rate: 3.16%
```
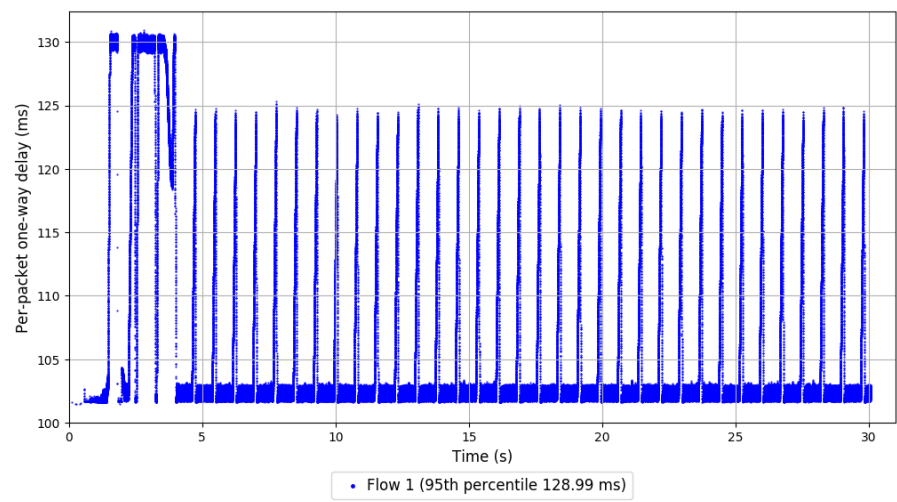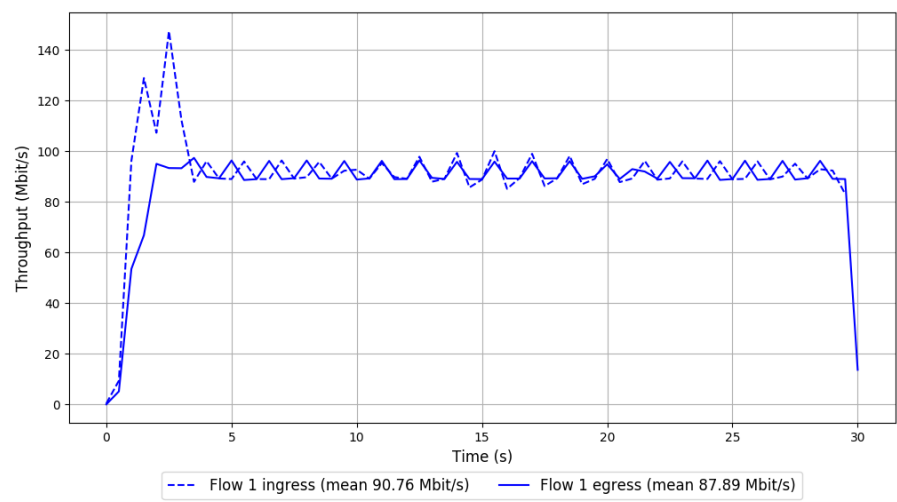
Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 90.76 Mbit/s)   Flow 1 egress (mean 87.89 Mbit/s)

Flow 1 (95th percentile 128.99 ms)

```
Run 2: Statistics of FillP

Start at: 2018-04-03 08:42:34
End at: 2018-04-03 08:43:04
Local clock offset: -5.738 ms
Remote clock offset: 9.402 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 119.702 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 119.702 ms
Loss rate: 1.76%
```
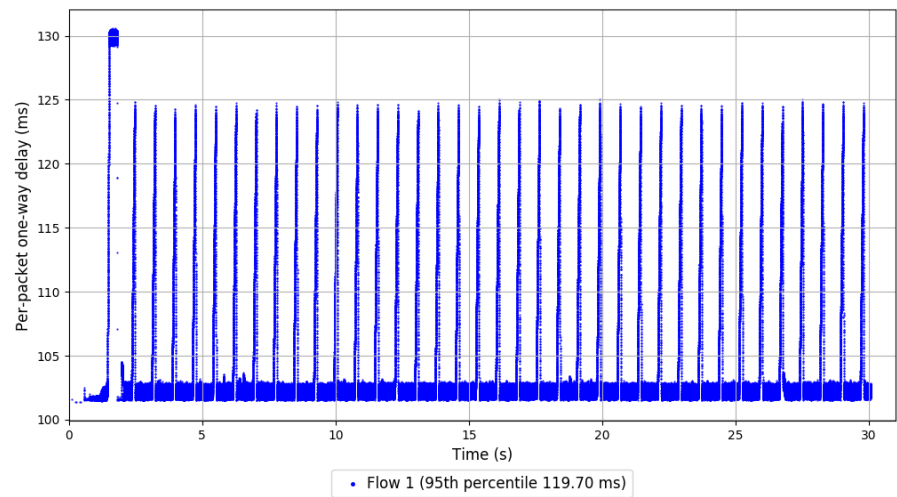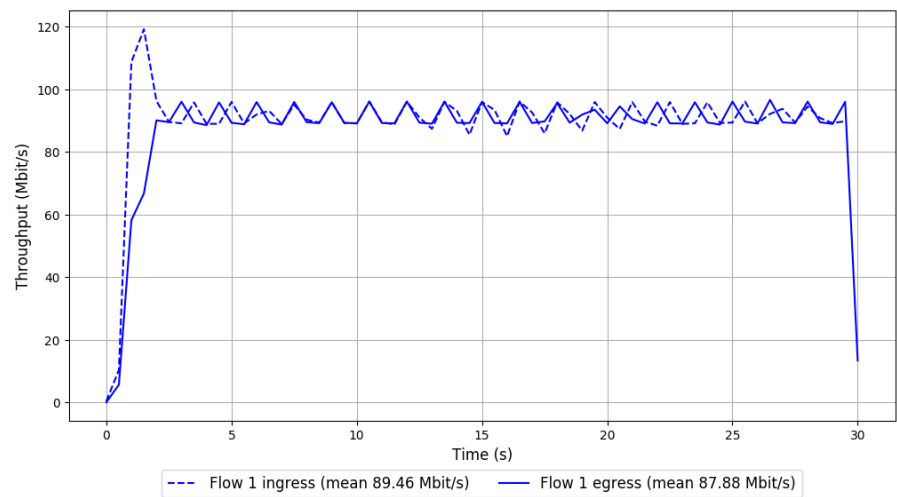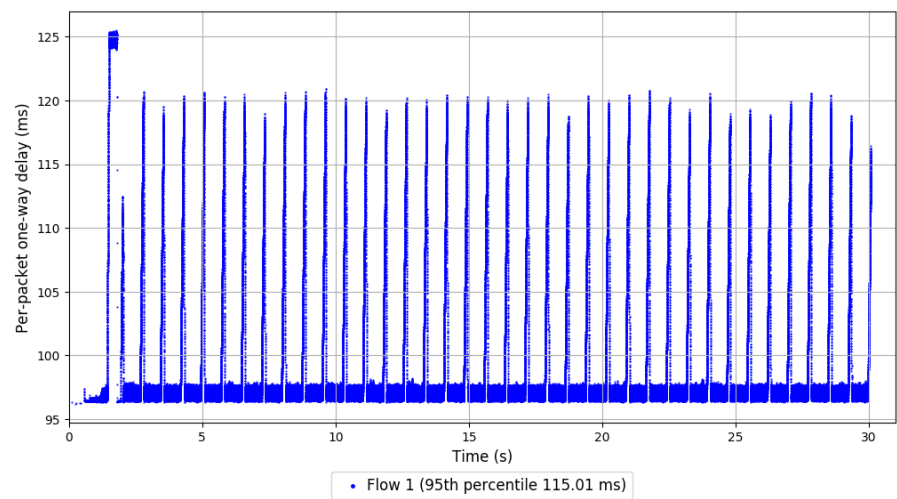
Run 2: Report of FillP — Data Link

Flow 1 ingress (mean 89.46 Mbit/s) --- Flow 1 egress (mean 87.88 Mbit/s)

Flow 1 (95th percentile 119.70 ms)

```
Run 3: Statistics of FillP

Start at: 2018-04-03 09:05:02
End at: 2018-04-03 09:05:32
Local clock offset: -5.269 ms
Remote clock offset: 3.551 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 115.009 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 115.009 ms
Loss rate: 1.75%
```
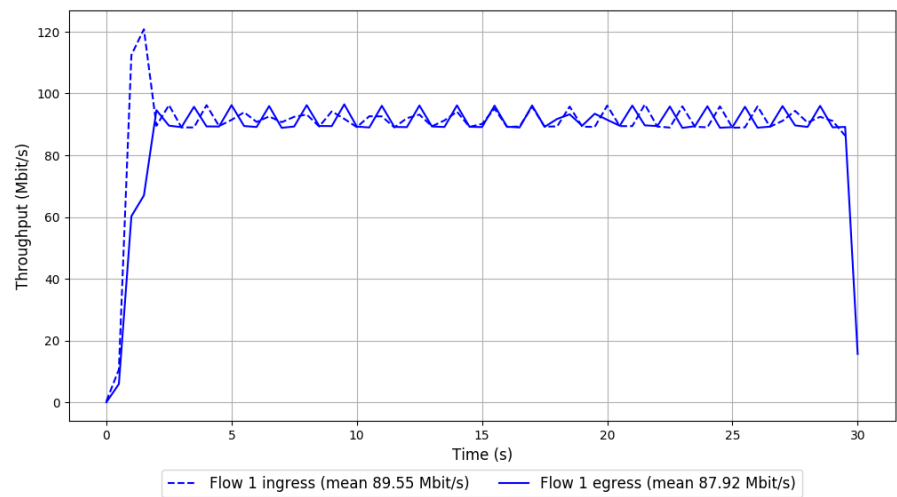
Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 89.55 Mbit/s)   Flow 1 egress (mean 87.92 Mbit/s)

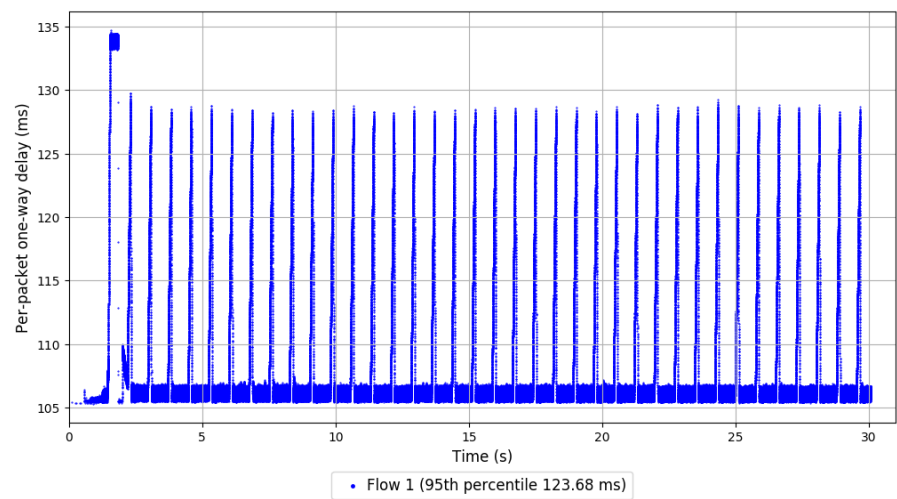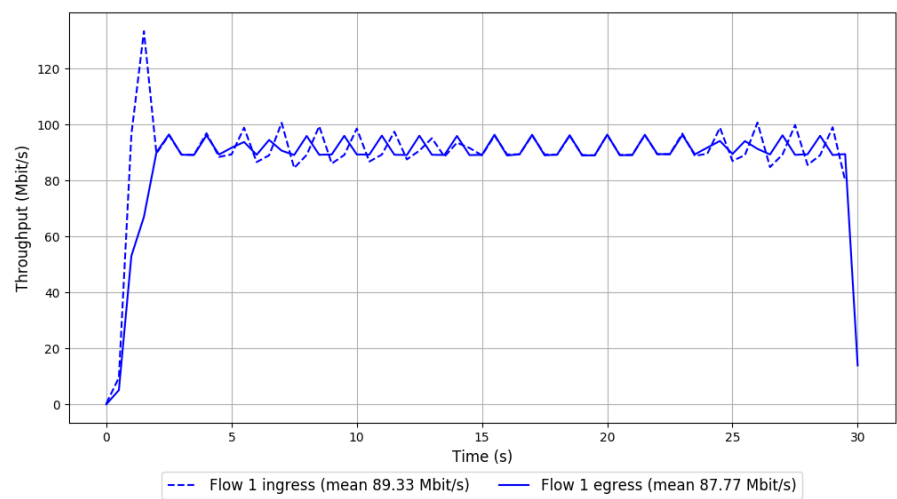Flow 1 (95th percentile 115.01 ms)

```
Run 4: Statistics of FillP

Start at: 2018-04-03 09:27:37
End at: 2018-04-03 09:28:07
Local clock offset: -6.274 ms
Remote clock offset: 11.179 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 123.676 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 123.676 ms
Loss rate: 1.75%
```

Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 89.33 Mbit/s)   Flow 1 egress (mean 87.77 Mbit/s)

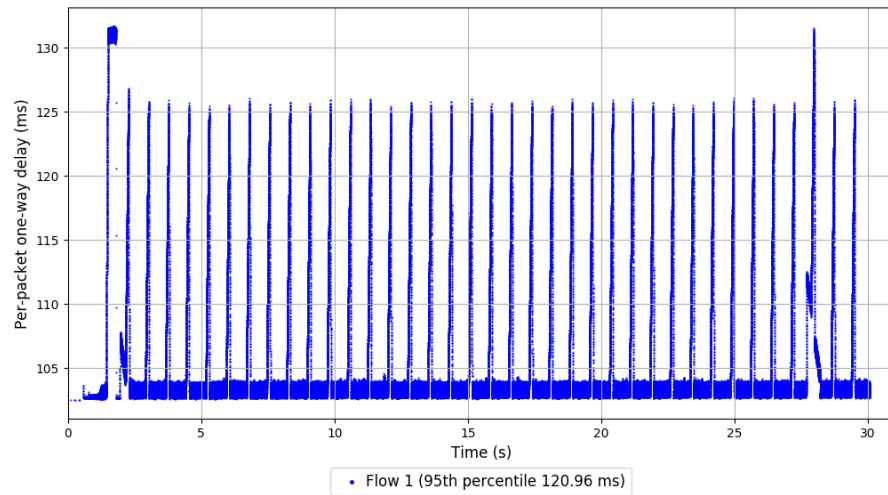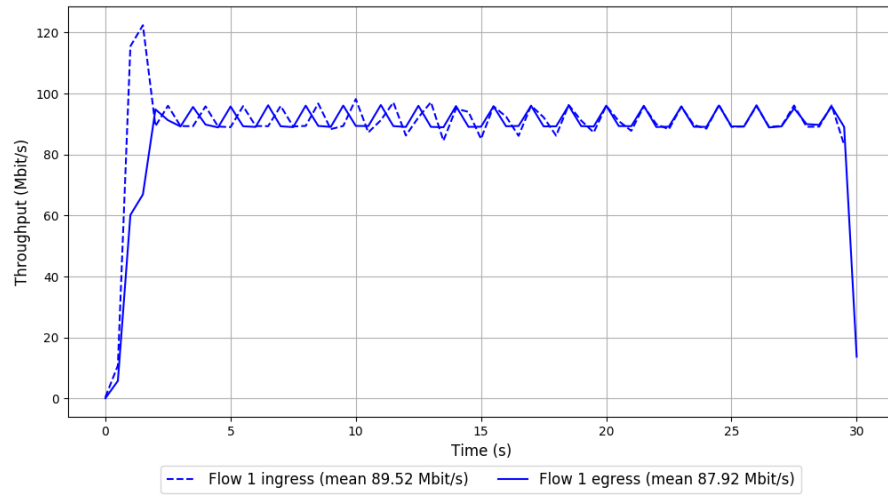• Flow 1 (95th percentile 123.68 ms)

```
Run 5: Statistics of FillP

Start at: 2018-04-03 09:49:57
End at: 2018-04-03 09:50:27
Local clock offset: -6.844 ms
Remote clock offset: 12.033 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 120.958 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 120.958 ms
Loss rate: 1.79%
```
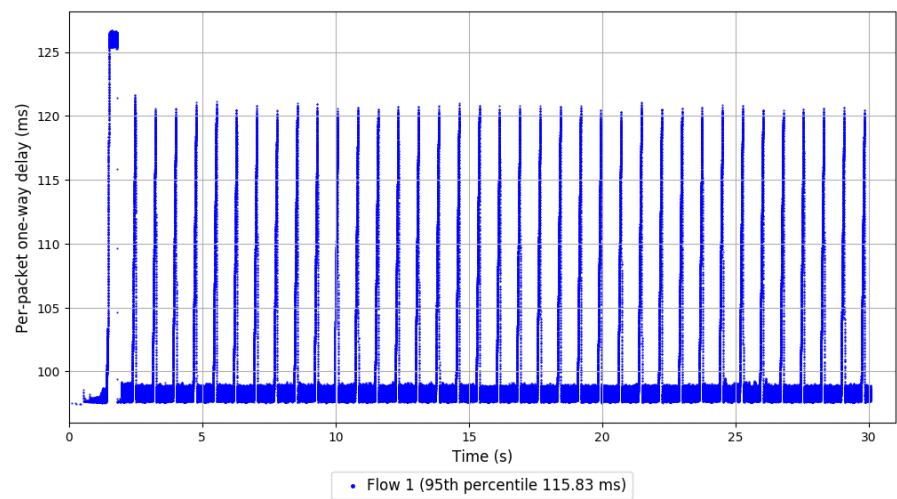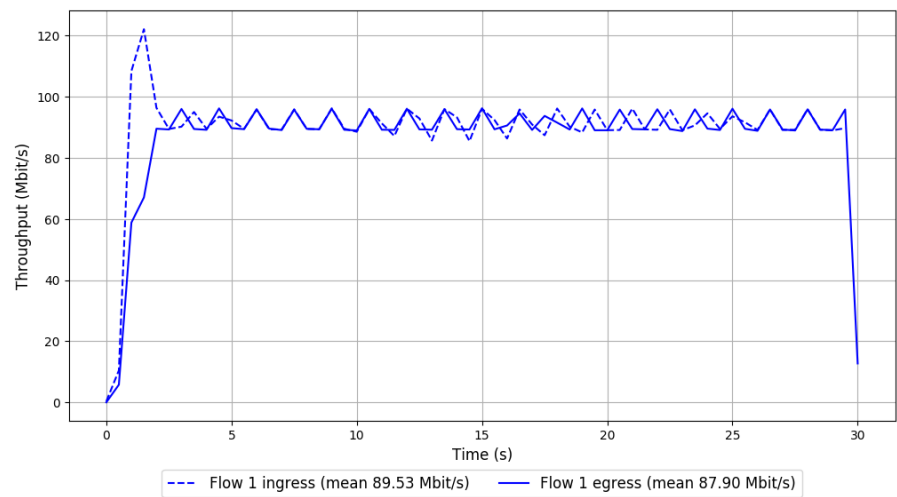
Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 89.52 Mbit/s)   Flow 1 egress (mean 87.92 Mbit/s)

Flow 1 (95th percentile 120.96 ms)

```
Run 6: Statistics of FillP

Start at: 2018-04-03 10:12:30
End at: 2018-04-03 10:13:00
Local clock offset: -6.83 ms
Remote clock offset: 5.756 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.90 Mbit/s
95th percentile per-packet one-way delay: 115.834 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 87.90 Mbit/s
95th percentile per-packet one-way delay: 115.834 ms
Loss rate: 1.82%
```
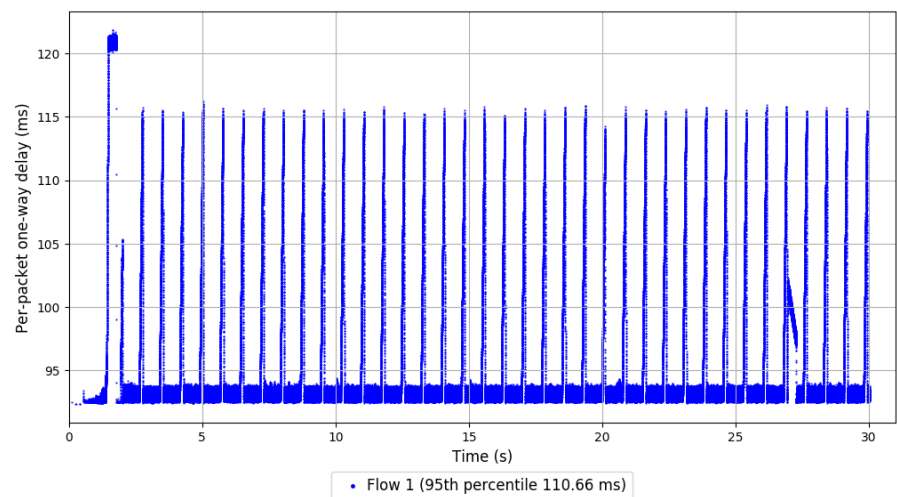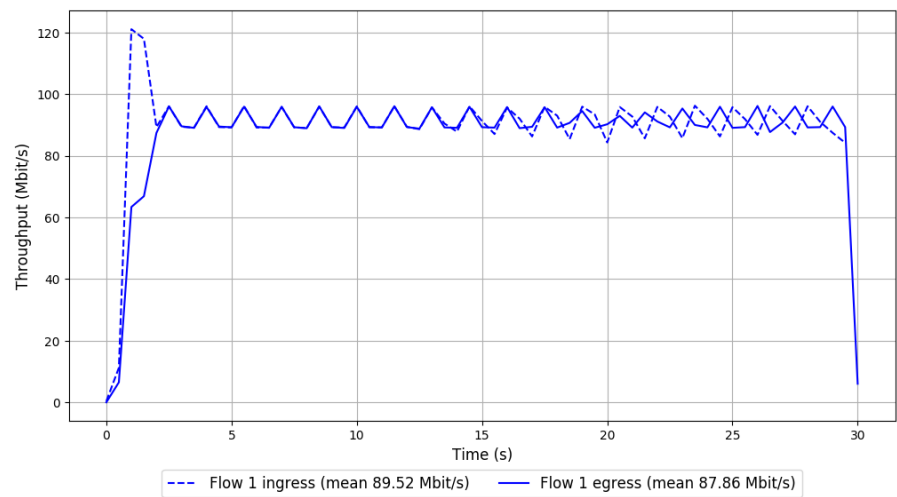
Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 89.53 Mbit/s)   Flow 1 egress (mean 87.90 Mbit/s)

Flow 1 (95th percentile 115.83 ms)

```
Run 7: Statistics of FillP

Start at: 2018-04-03 10:34:58
End at: 2018-04-03 10:35:28
Local clock offset: -6.069 ms
Remote clock offset: 5.495 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 110.655 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 110.655 ms
Loss rate: 1.85%
```

Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 89.52 Mbit/s)   Flow 1 egress (mean 87.86 Mbit/s)

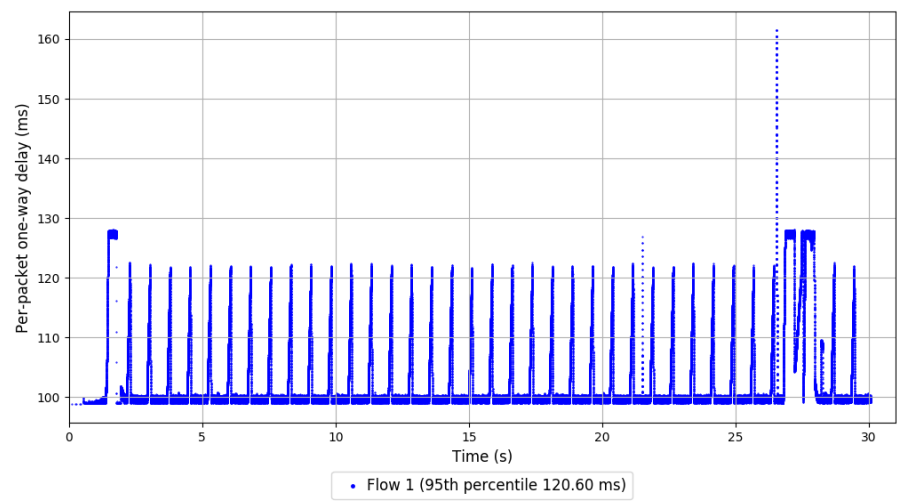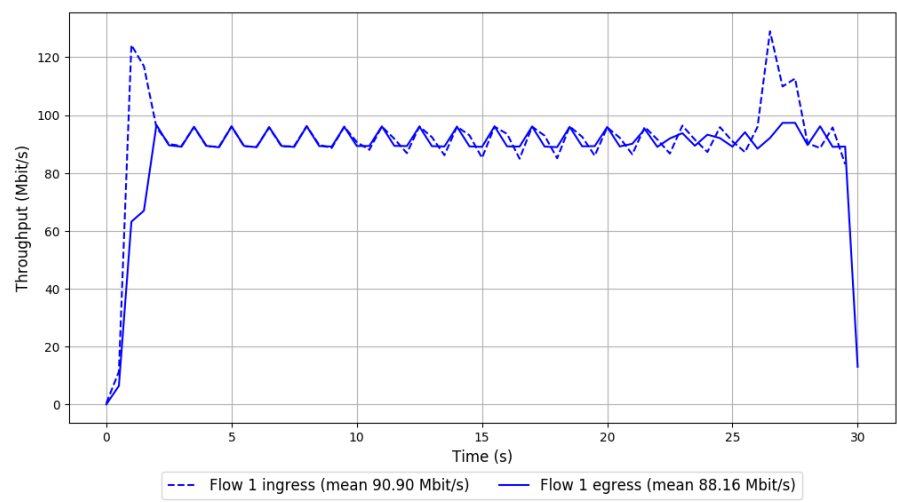Flow 1 (95th percentile 110.66 ms)

```
Run 8: Statistics of FillP

Start at: 2018-04-03 10:57:27
End at: 2018-04-03 10:57:57
Local clock offset: -5.777 ms
Remote clock offset: 12.781 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 120.604 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 120.604 ms
Loss rate: 3.01%
```

Run 8: Report of FillP — Data Link

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```
Run 9: Statistics of FillP

Start at: 2018-04-03 11:19:58
End at: 2018-04-03 11:20:28
Local clock offset: -6.117 ms
Remote clock offset: 4.23 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 119.547 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 119.547 ms
Loss rate: 1.81%
```
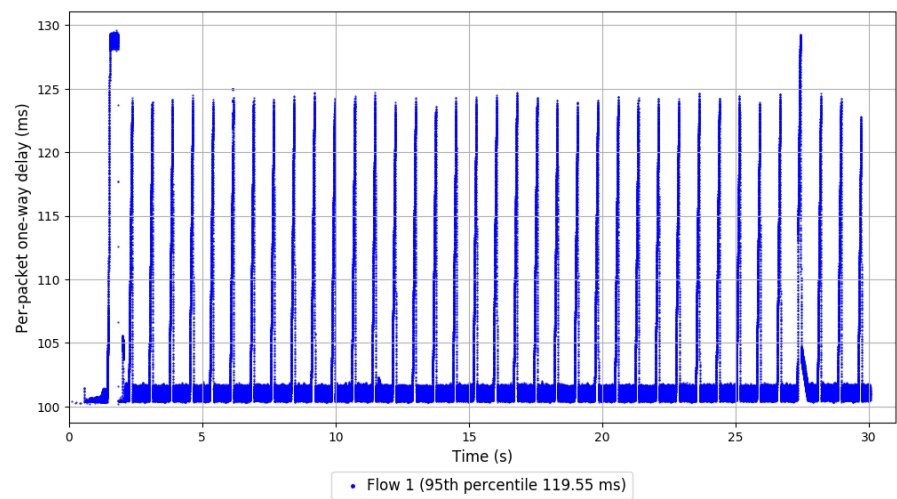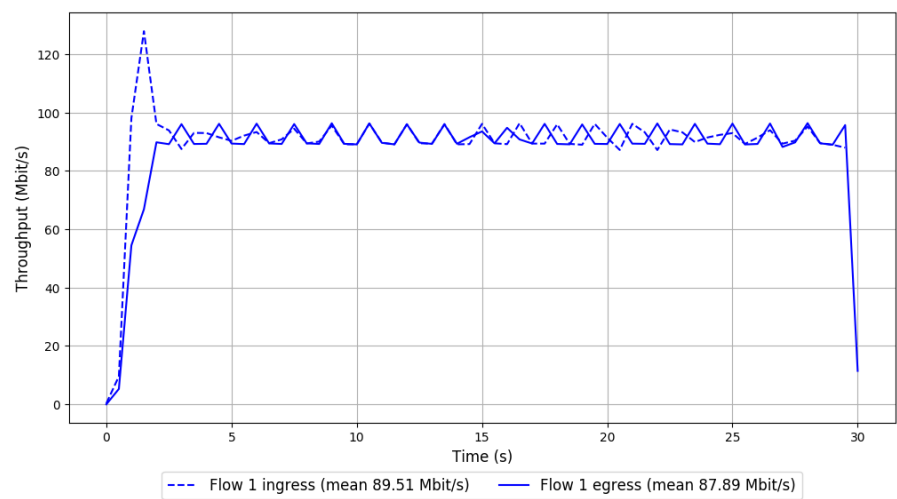
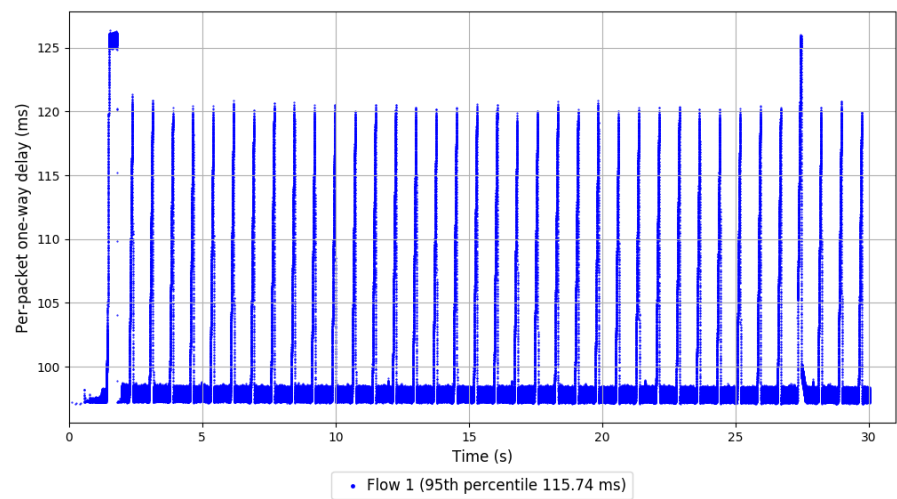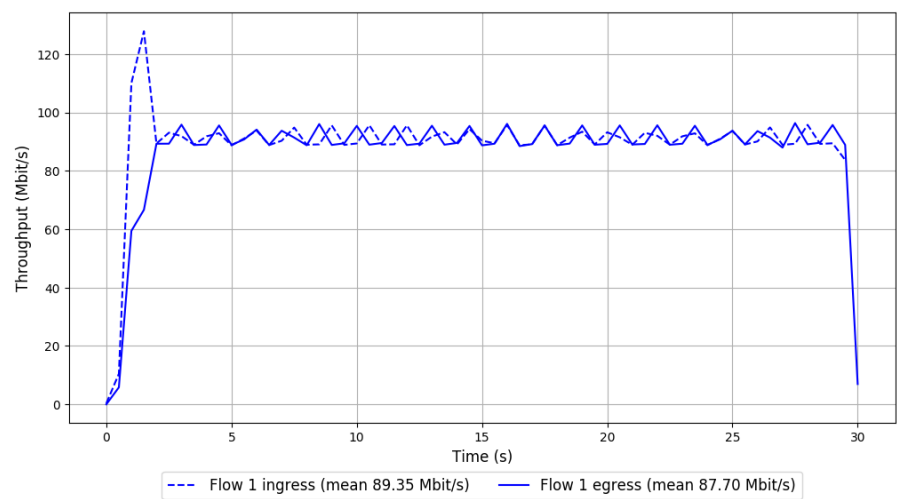Run 9: Report of FillP — Data Link

```
Run 10: Statistics of FillP

Start at: 2018-04-03 11:42:29
End at: 2018-04-03 11:42:59
Local clock offset: -5.755 ms
Remote clock offset: 10.907 ms


# Below is generated by plot.py at 2018-04-03 12:35:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 115.738 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 115.738 ms
Loss rate: 1.84%
```

Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 89.35 Mbit/s)   Flow 1 egress (mean 87.70 Mbit/s)

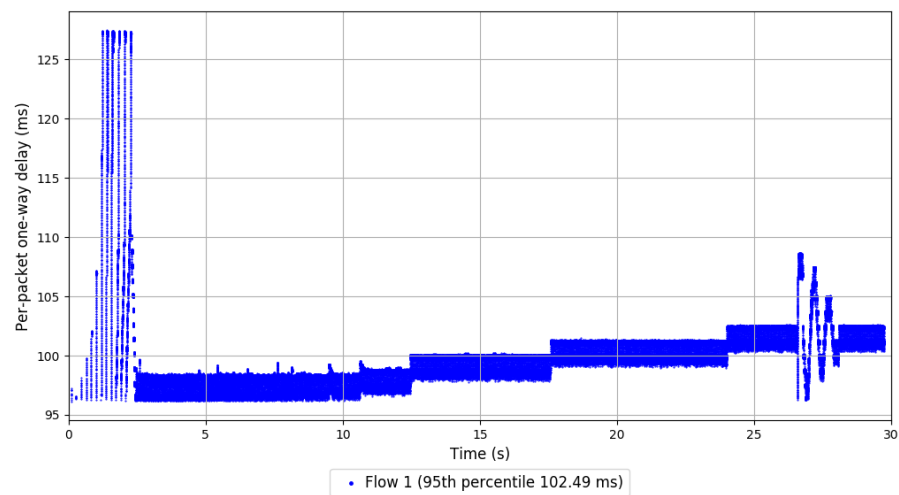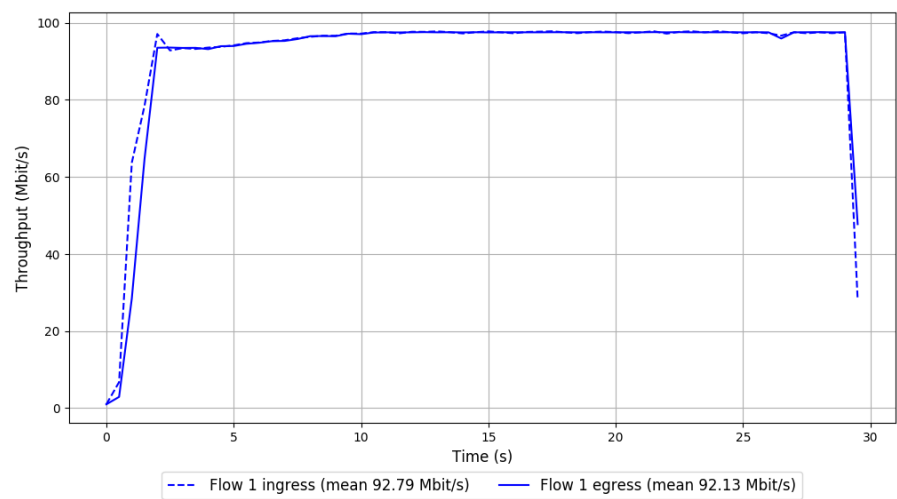Flow 1 (95th percentile 115.74 ms)

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

Start at: 2018-04-03 08:14:03
End at: 2018-04-03 08:14:33
Local clock offset: -6.088 ms
Remote clock offset: 5.418 ms


# Below is generated by plot.py at 2018-04-03 12:35:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 102.492 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 102.492 ms
Loss rate: 0.68%
```
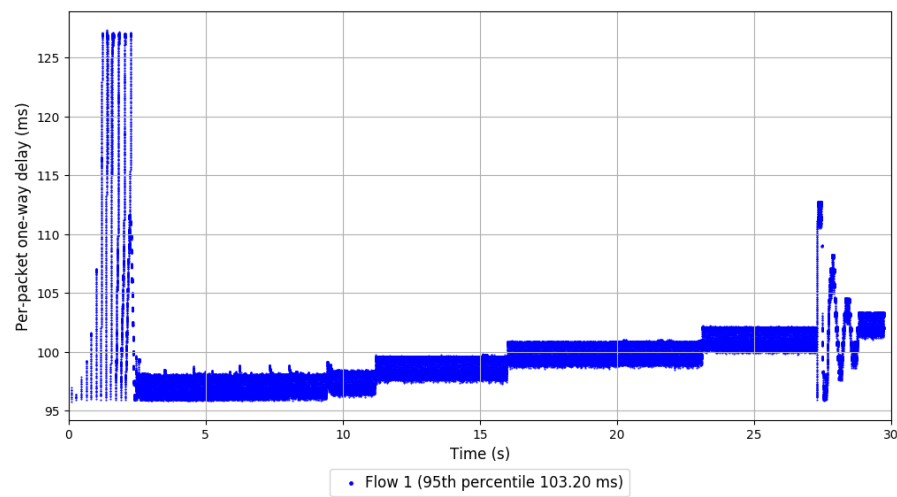
Run 1: Report of Indigo-1-32 — Data Link

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

Start at: 2018-04-03 08:36:30
End at: 2018-04-03 08:37:00
Local clock offset: -5.756 ms
Remote clock offset: 5.147 ms


# Below is generated by plot.py at 2018-04-03 12:35:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 103.201 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 103.201 ms
Loss rate: 0.68%
```
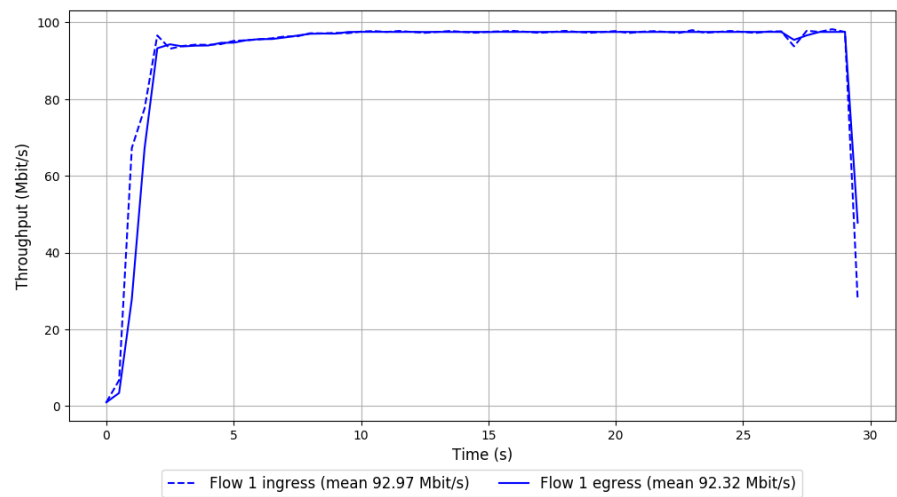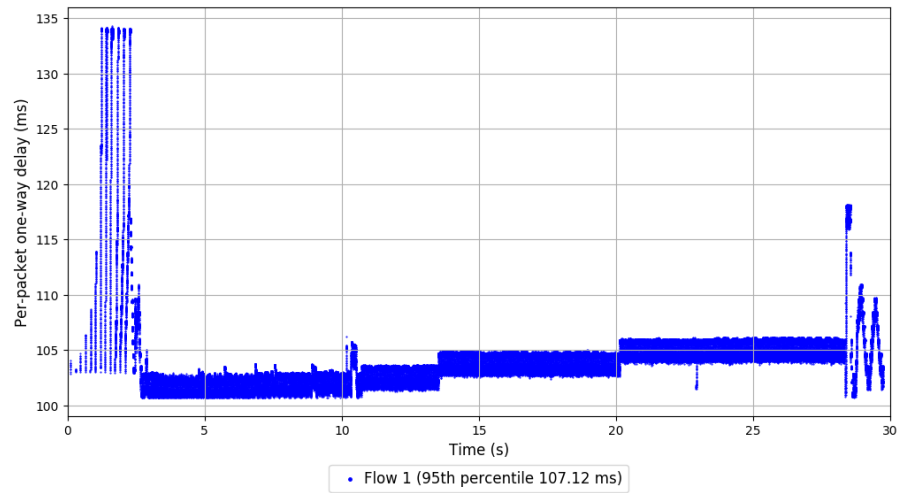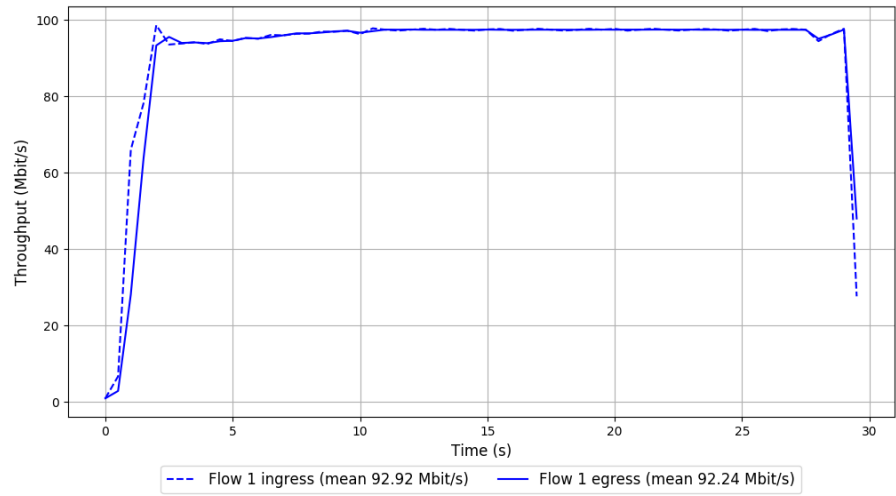
Run 2: Report of Indigo-1-32 — Data Link

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

Start at: 2018-04-03 08:58:56
End at: 2018-04-03 08:59:26
Local clock offset: -5.31 ms
Remote clock offset: 11.084 ms


# Below is generated by plot.py at 2018-04-03 12:35:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 107.116 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 107.116 ms
Loss rate: 0.73%
```

Run 3: Report of Indigo-1-32 — Data Link

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

Start at: 2018-04-03 09:21:32
End at: 2018-04-03 09:22:02
Local clock offset: -5.941 ms
Remote clock offset: 5.308 ms

# Below is generated by plot.py at 2018-04-03 12:36:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 107.960 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 107.960 ms
Loss rate: 0.72%
```
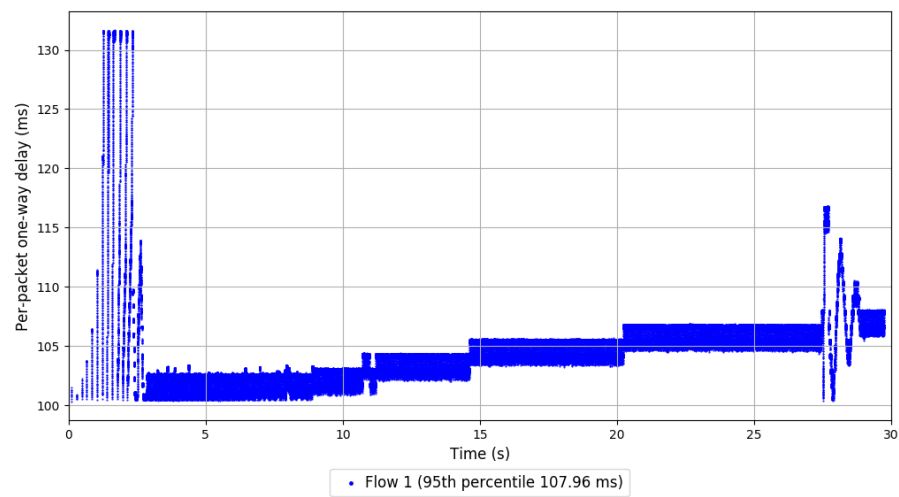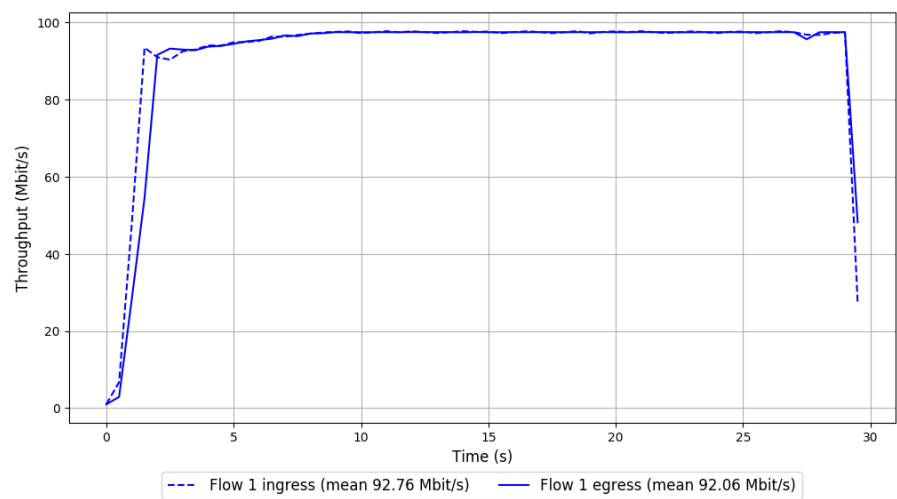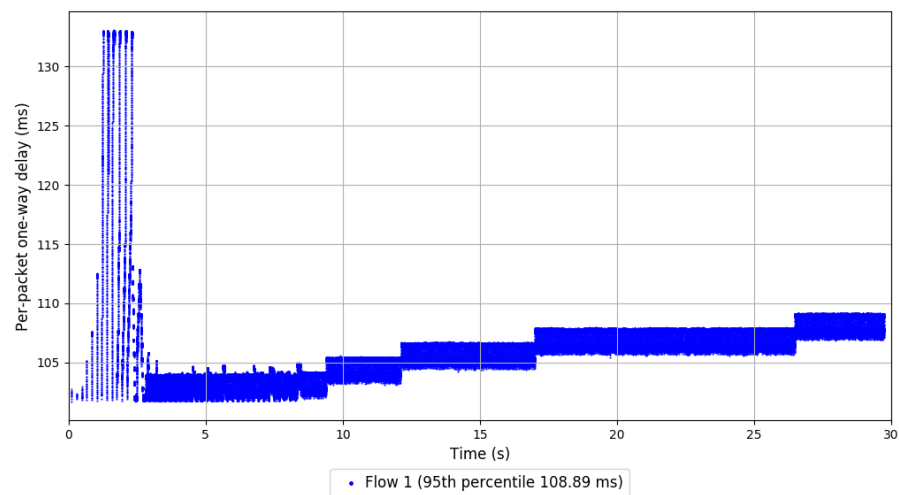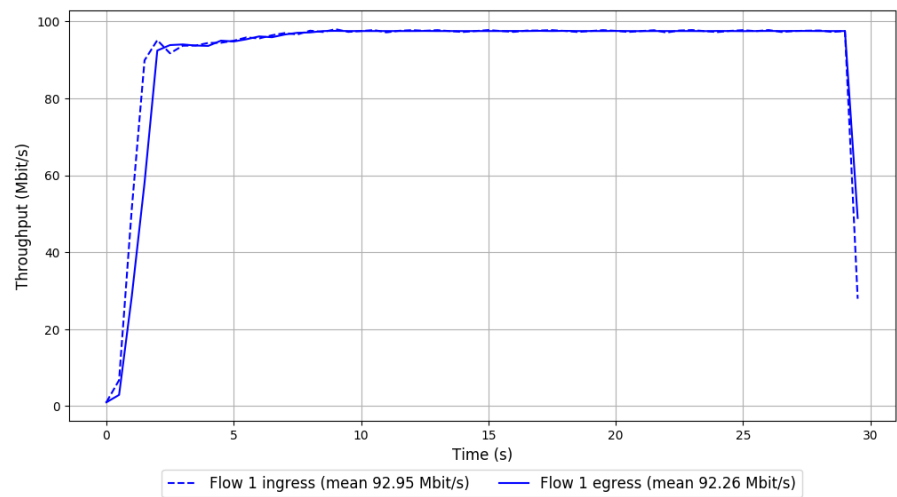
Run 4: Report of Indigo-1-32 — Data Link

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

Start at: 2018-04-03 09:43:50
End at: 2018-04-03 09:44:20
Local clock offset: -6.751 ms
Remote clock offset: 11.769 ms


# Below is generated by plot.py at 2018-04-03 12:36:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 108.891 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 108.891 ms
Loss rate: 0.72%
```

Run 5: Report of Indigo-1-32 — Data Link

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

Start at: 2018-04-03 10:06:21
End at: 2018-04-03 10:06:51
Local clock offset: -6.71 ms
Remote clock offset: 4.837 ms


# Below is generated by plot.py at 2018-04-03 12:36:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 99.127 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 99.127 ms
Loss rate: 0.71%
```
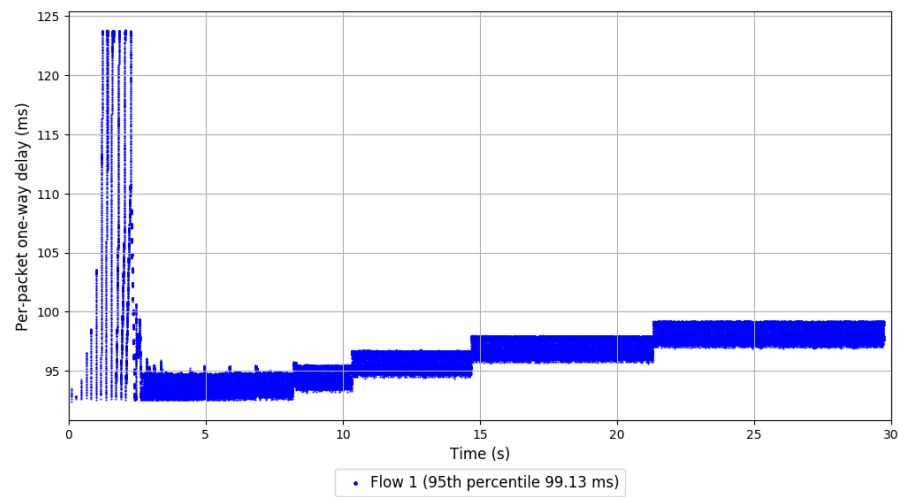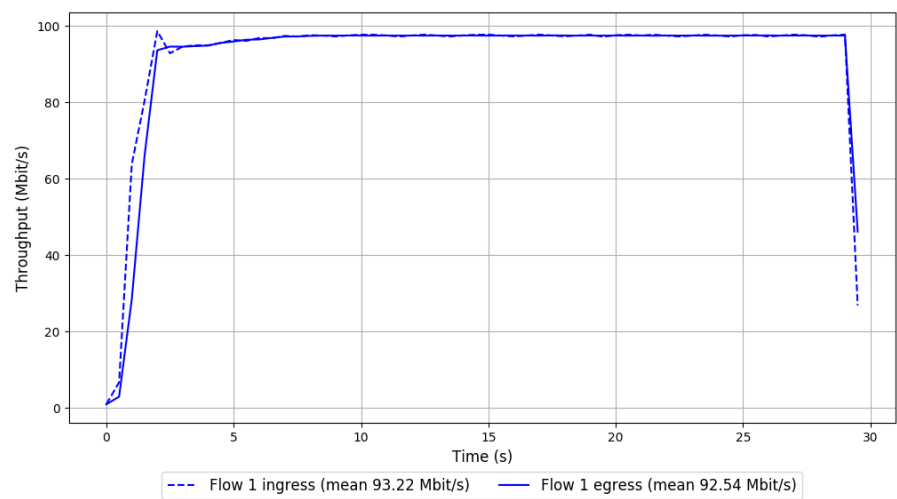
Run 6: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 93.22 Mbit/s)   Flow 1 egress (mean 92.54 Mbit/s)
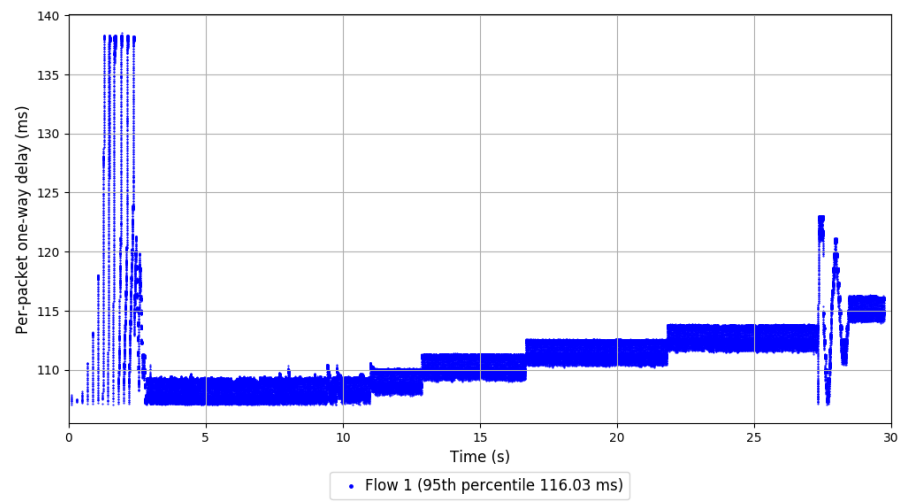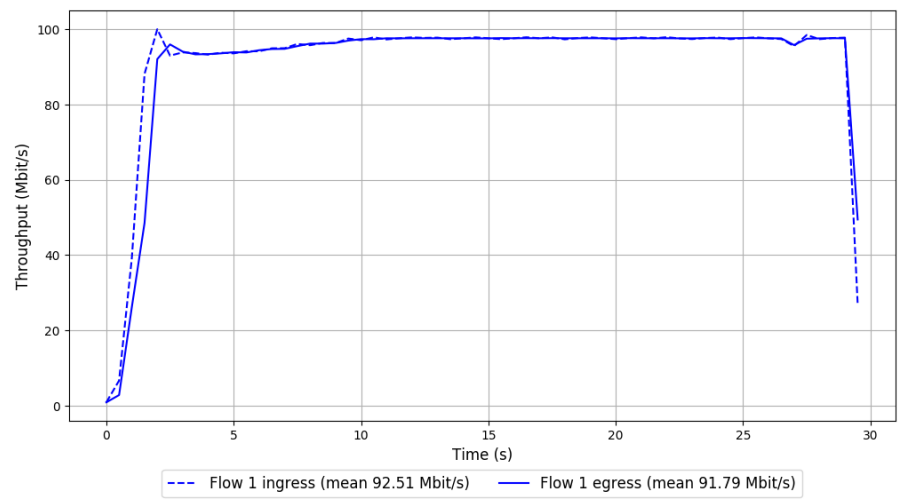

Flow 1 (95th percentile 99.13 ms)

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

Start at: 2018-04-03 10:28:50
End at: 2018-04-03 10:29:20
Local clock offset: -6.347 ms
Remote clock offset: 10.669 ms


# Below is generated by plot.py at 2018-04-03 12:36:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 116.031 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 116.031 ms
Loss rate: 0.75%
```

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

Flow 1 ingress (mean 92.51 Mbit/s) --- Flow 1 egress (mean 91.79 Mbit/s)

• Flow 1 (95th percentile 116.03 ms)

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

Start at: 2018-04-03 10:51:19
End at: 2018-04-03 10:51:49
Local clock offset: -5.797 ms
Remote clock offset: 11.3 ms


# Below is generated by plot.py at 2018-04-03 12:36:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 106.426 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 106.426 ms
Loss rate: 0.57%
```
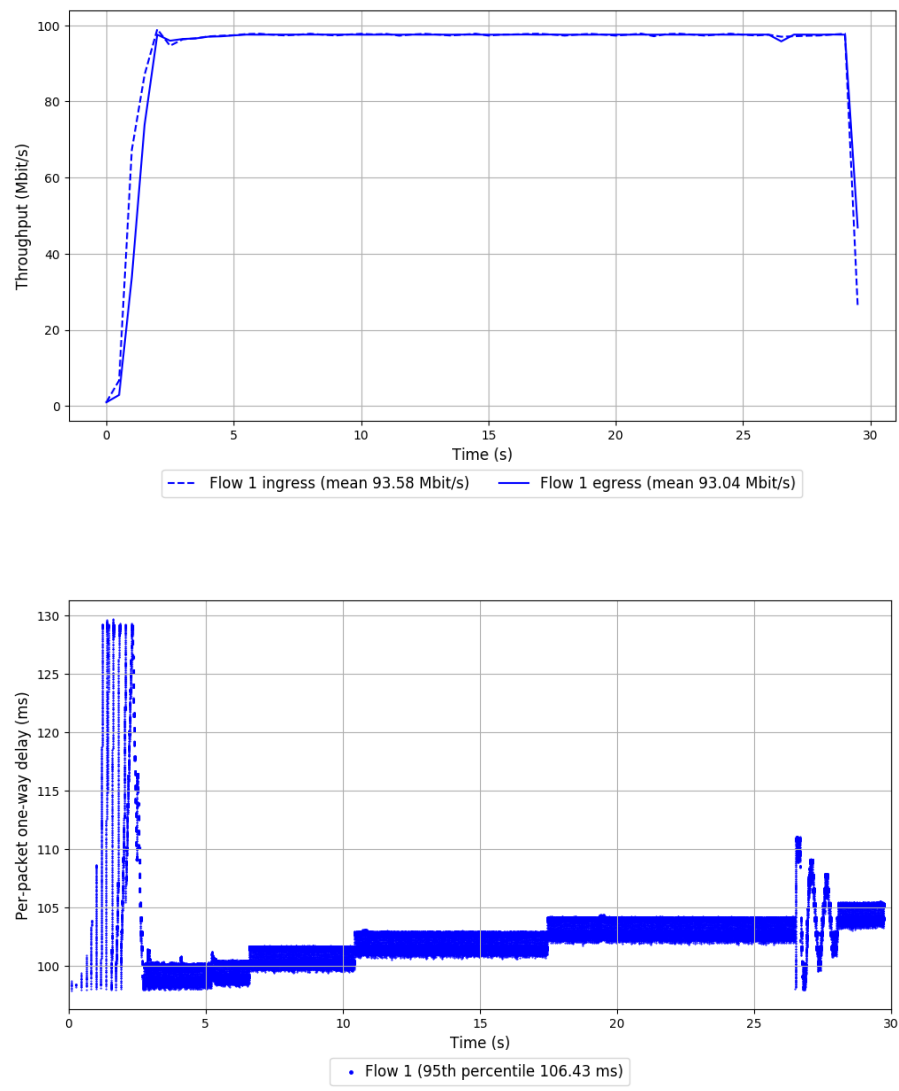
Run 8: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 93.58 Mbit/s)   Flow 1 egress (mean 93.04 Mbit/s)

Flow 1 (95th percentile 106.43 ms)

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

Start at: 2018-04-03 11:13:51
End at: 2018-04-03 11:14:21
Local clock offset: -6.021 ms
Remote clock offset: 4.405 ms


# Below is generated by plot.py at 2018-04-03 12:36:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 104.193 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 104.193 ms
Loss rate: 0.70%
```
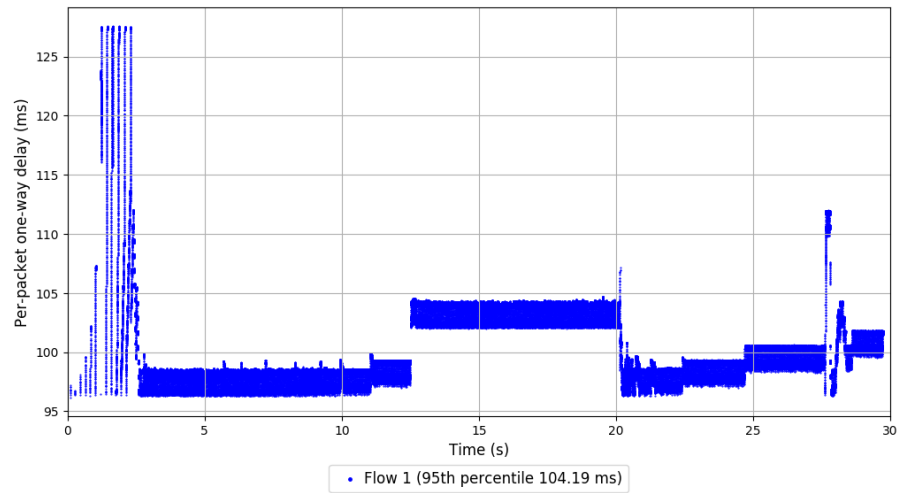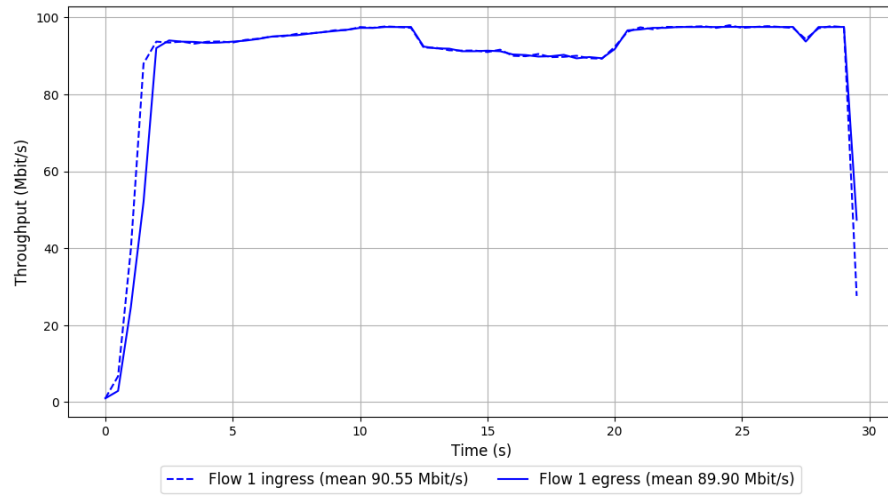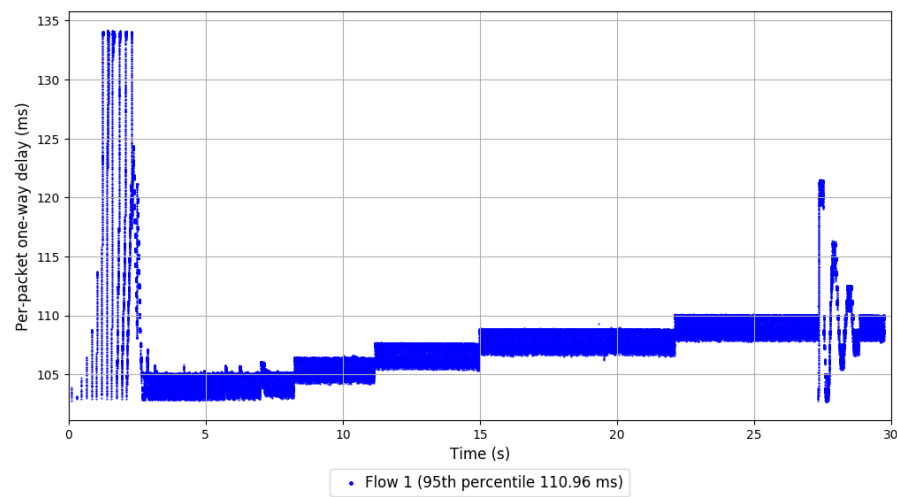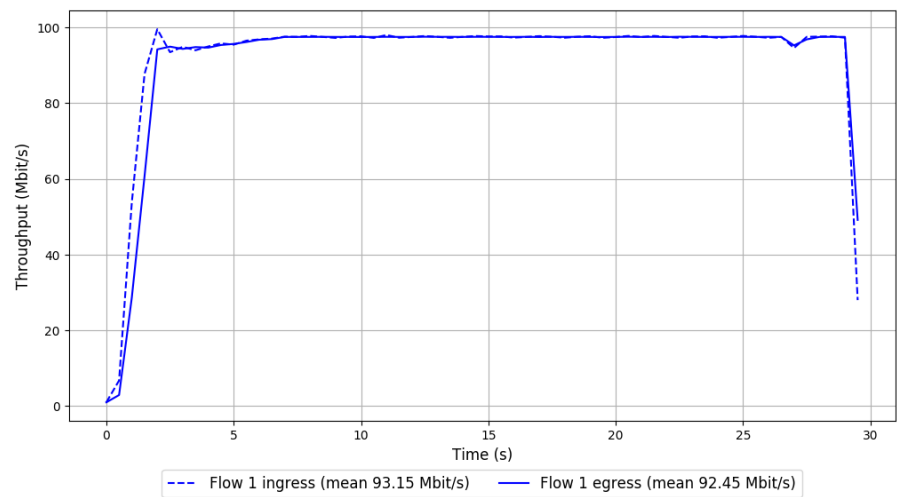
Run 9: Report of Indigo-1-32 — Data Link

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

Start at: 2018-04-03 11:36:23
End at: 2018-04-03 11:36:53
Local clock offset: -5.944 ms
Remote clock offset: 15.512 ms


# Below is generated by plot.py at 2018-04-03 12:36:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 110.956 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 110.956 ms
Loss rate: 0.73%
```

Run 10: Report of Indigo-1-32 — Data Link

```
Run 1: Statistics of Vivace-latency

Start at: 2018-04-03 08:15:19
End at: 2018-04-03 08:15:49
Local clock offset: -5.983 ms
Remote clock offset: 9.825 ms


# Below is generated by plot.py at 2018-04-03 12:36:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 110.685 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 110.685 ms
Loss rate: 0.04%
```
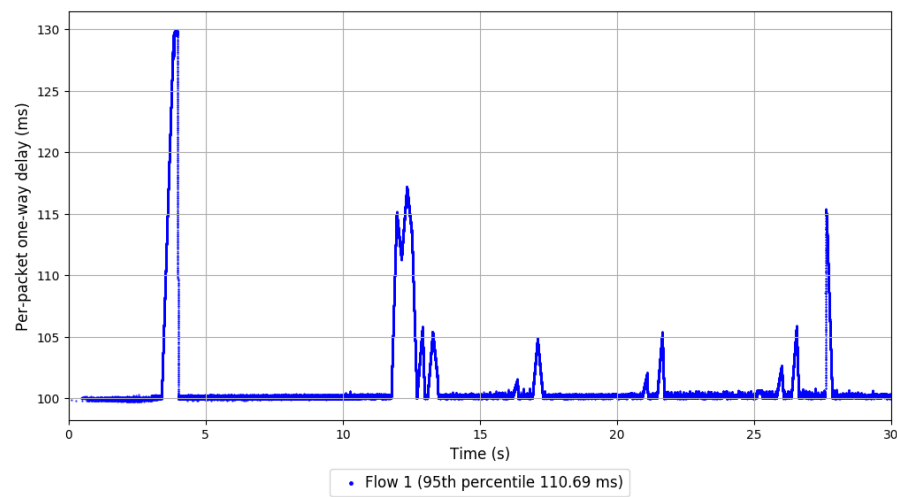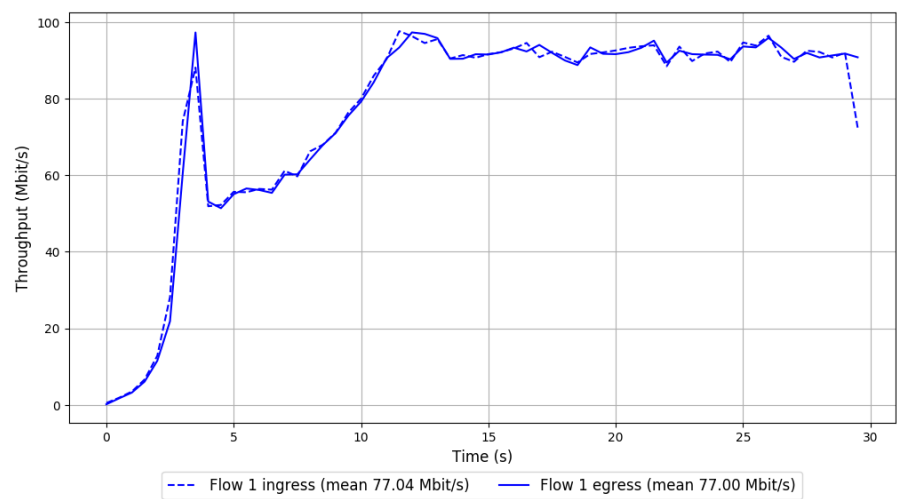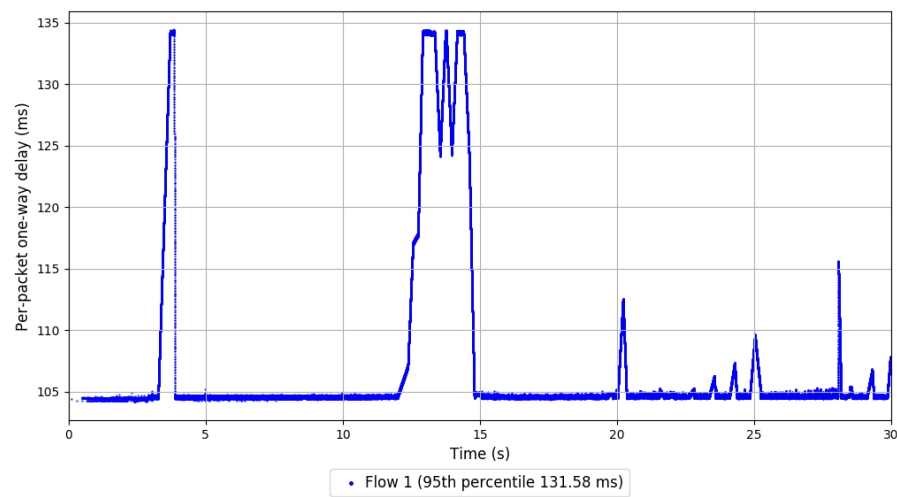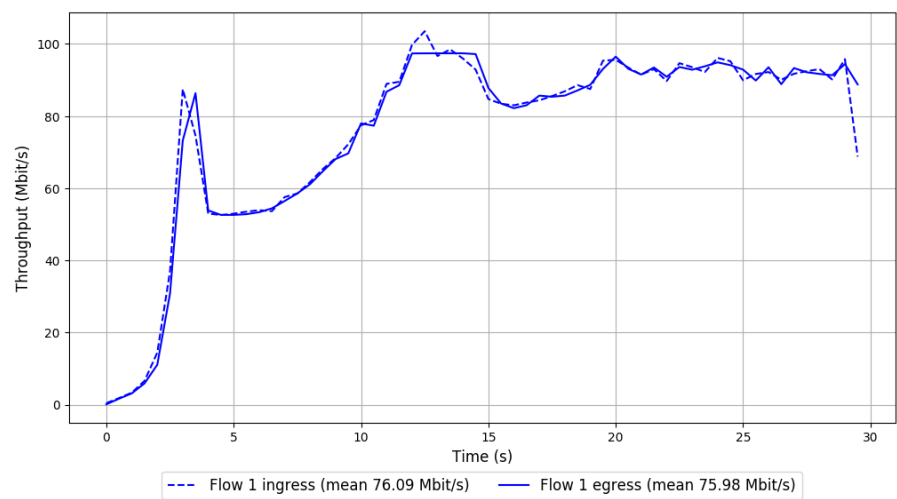
Run 1: Report of Vivace-latency — Data Link

```
Run 2: Statistics of Vivace-latency

Start at: 2018-04-03 08:37:46
End at: 2018-04-03 08:38:16
Local clock offset: -5.76 ms
Remote clock offset: 10.462 ms


# Below is generated by plot.py at 2018-04-03 12:37:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.98 Mbit/s
95th percentile per-packet one-way delay: 131.578 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 75.98 Mbit/s
95th percentile per-packet one-way delay: 131.578 ms
Loss rate: 0.13%
```

Run 2: Report of Vivace-latency — Data Link

```
Run 3: Statistics of Vivace-latency

Start at: 2018-04-03 09:00:13
End at: 2018-04-03 09:00:43
Local clock offset: -5.382 ms
Remote clock offset: 3.723 ms


# Below is generated by plot.py at 2018-04-03 12:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 124.515 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 124.515 ms
Loss rate: 0.18%
```
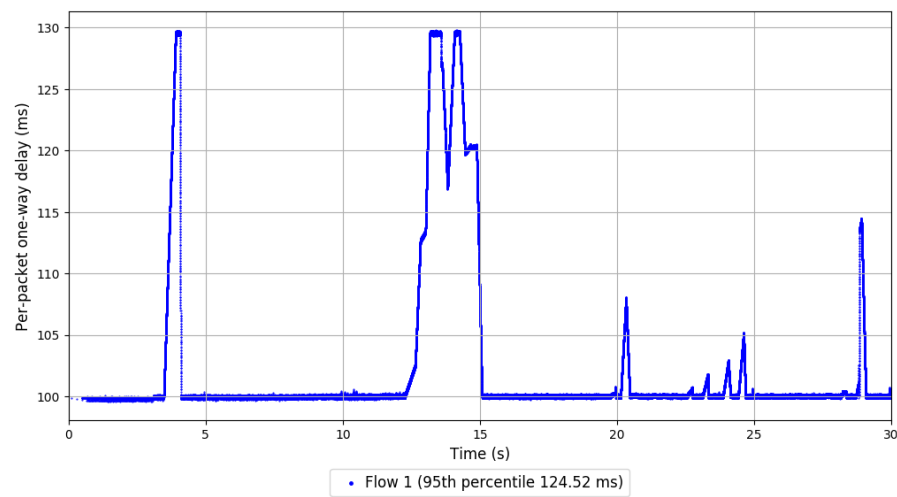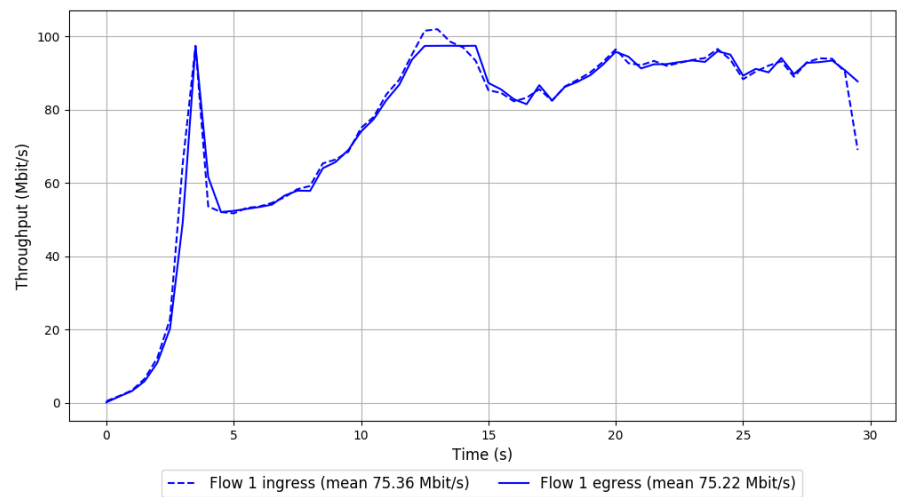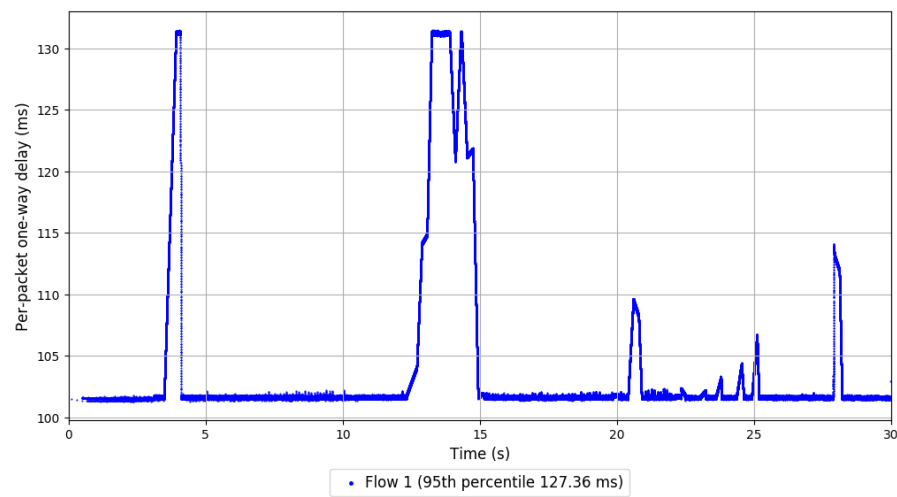
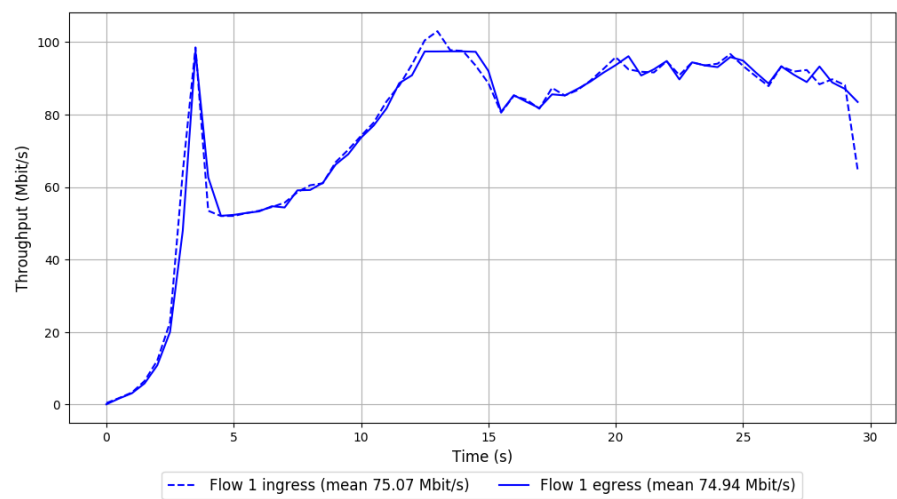Run 3: Report of Vivace-latency — Data Link

```
Run 4: Statistics of Vivace-latency

Start at: 2018-04-03 09:22:48
End at: 2018-04-03 09:23:18
Local clock offset: -5.992 ms
Remote clock offset: 6.349 ms


# Below is generated by plot.py at 2018-04-03 12:37:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.94 Mbit/s
95th percentile per-packet one-way delay: 127.363 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 74.94 Mbit/s
95th percentile per-packet one-way delay: 127.363 ms
Loss rate: 0.18%
```

Run 4: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 75.07 Mbit/s)   Flow 1 egress (mean 74.94 Mbit/s)

Flow 1 (95th percentile 127.36 ms)

```
Run 5: Statistics of Vivace-latency

Start at: 2018-04-03 09:45:07
End at: 2018-04-03 09:45:37
Local clock offset: -6.782 ms
Remote clock offset: 6.37 ms


# Below is generated by plot.py at 2018-04-03 12:37:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.15 Mbit/s
95th percentile per-packet one-way delay: 114.710 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 76.15 Mbit/s
95th percentile per-packet one-way delay: 114.710 ms
Loss rate: 0.16%
```
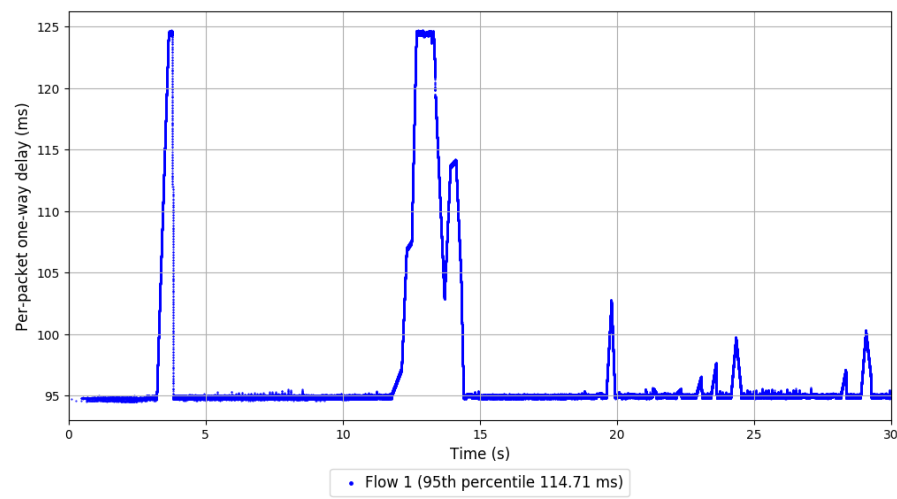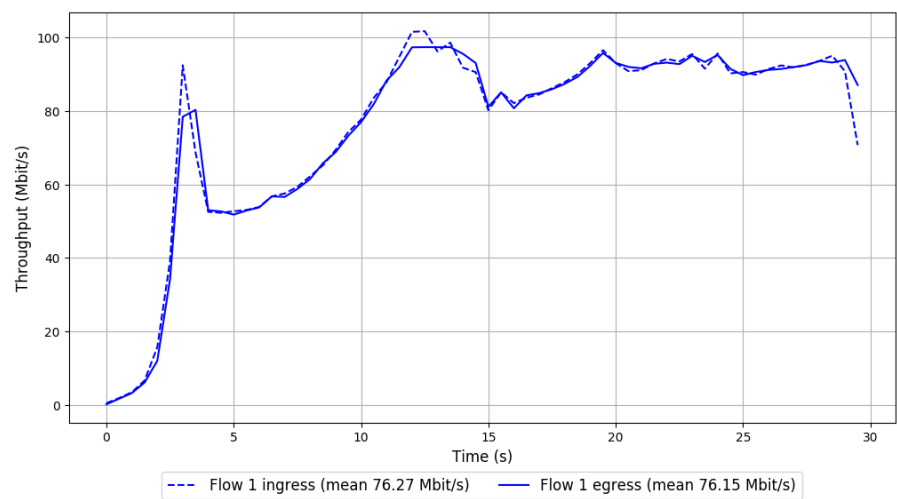
Run 5: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 76.27 Mbit/s) ---- Flow 1 egress (mean 76.15 Mbit/s)
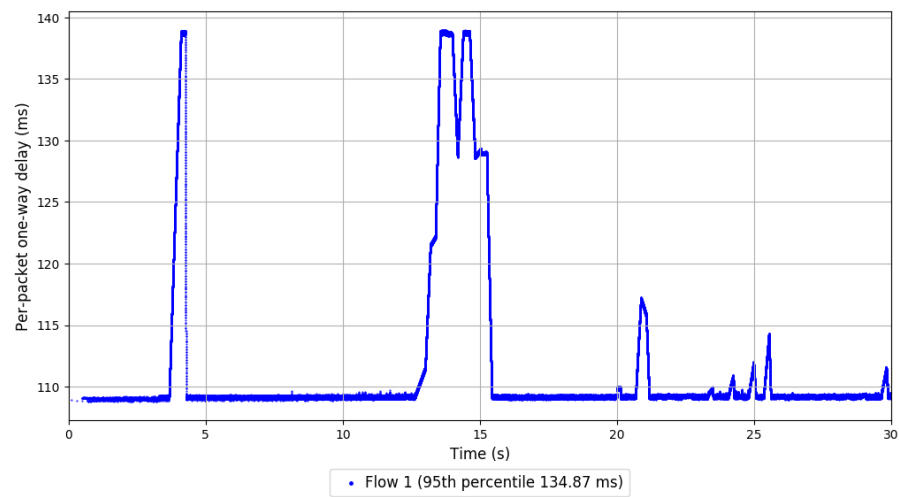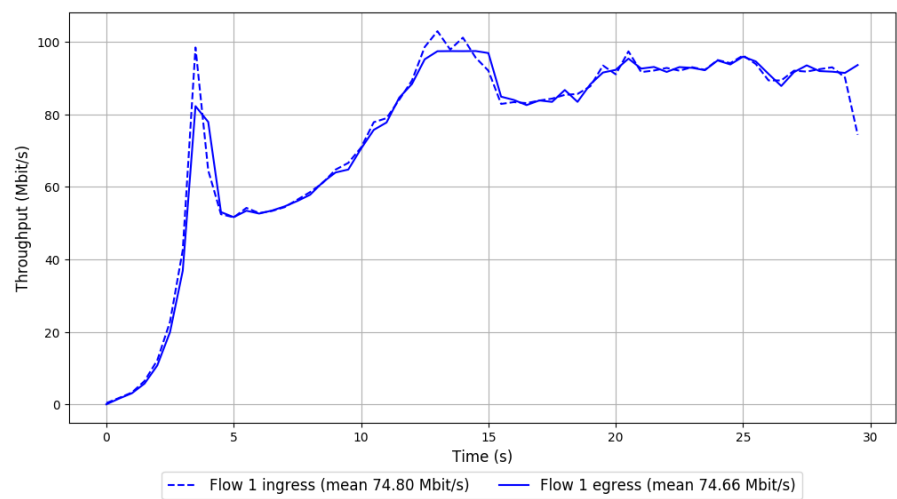

Flow 1 (95th percentile 114.71 ms)

```
Run 6: Statistics of Vivace-latency

Start at: 2018-04-03 10:07:39
End at: 2018-04-03 10:08:09
Local clock offset: -6.741 ms
Remote clock offset: 12.234 ms


# Below is generated by plot.py at 2018-04-03 12:37:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.66 Mbit/s
95th percentile per-packet one-way delay: 134.865 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 74.66 Mbit/s
95th percentile per-packet one-way delay: 134.865 ms
Loss rate: 0.18%
```
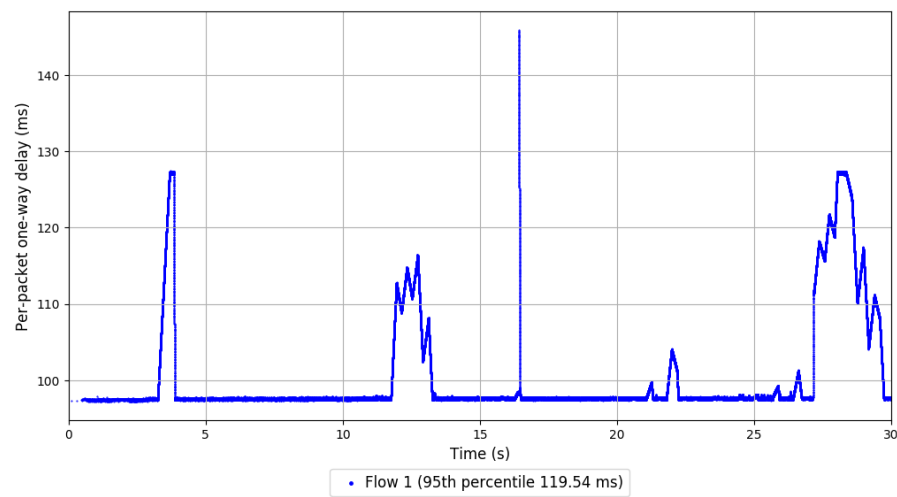
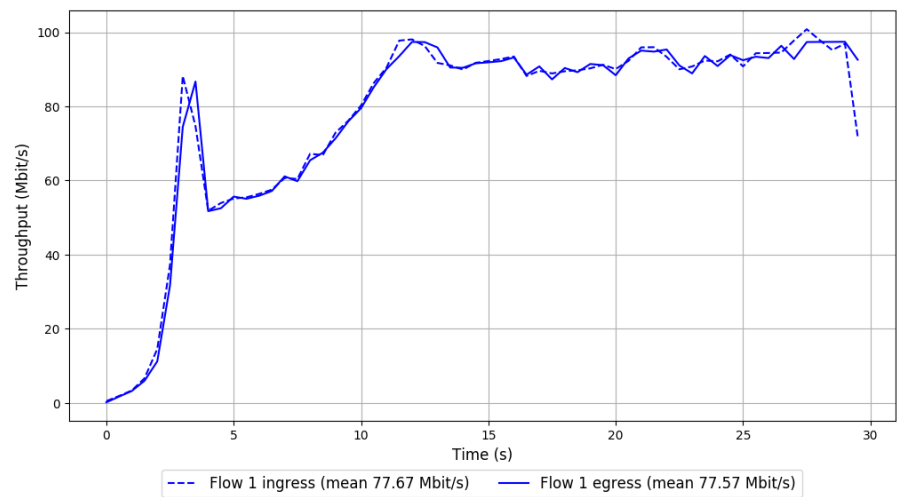Run 6: Report of Vivace-latency — Data Link

```
Run 7: Statistics of Vivace-latency

Start at: 2018-04-03 10:30:08
End at: 2018-04-03 10:30:38
Local clock offset: -6.335 ms
Remote clock offset: 5.395 ms


# Below is generated by plot.py at 2018-04-03 12:37:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.57 Mbit/s
95th percentile per-packet one-way delay: 119.540 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 77.57 Mbit/s
95th percentile per-packet one-way delay: 119.540 ms
Loss rate: 0.12%
```

Run 7: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 77.67 Mbit/s) ----- Flow 1 egress (mean 77.57 Mbit/s)

Flow 1 (95th percentile 119.54 ms)

```
Run 8: Statistics of Vivace-latency

Start at: 2018-04-03 10:52:36
End at: 2018-04-03 10:53:07
Local clock offset: -5.84 ms
Remote clock offset: 5.838 ms


# Below is generated by plot.py at 2018-04-03 12:37:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 115.281 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 115.281 ms
Loss rate: 0.16%
```
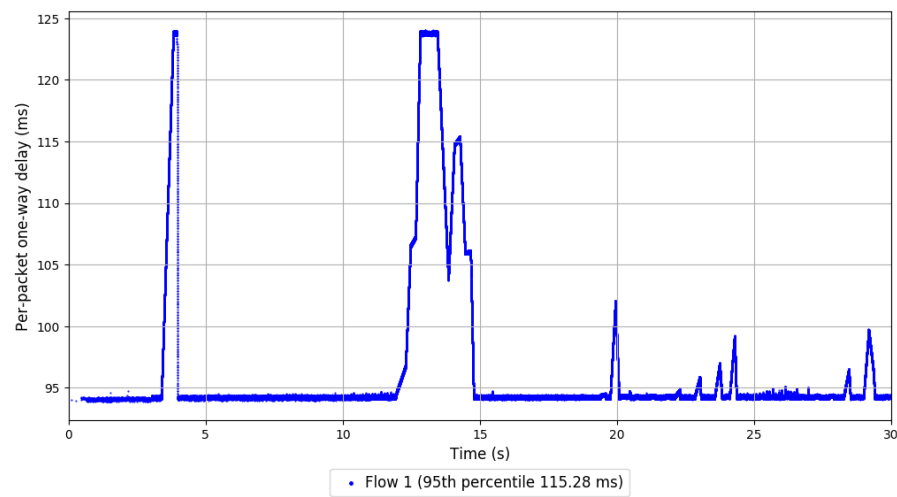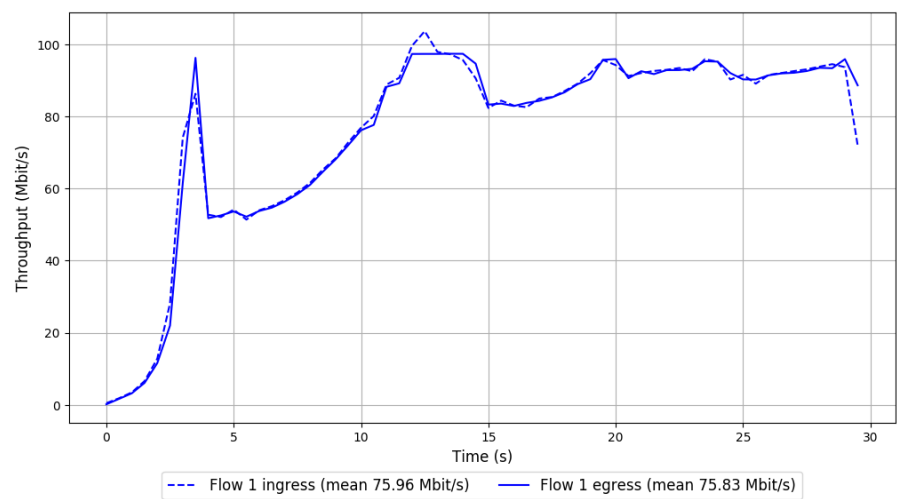
Run 8: Report of Vivace-latency — Data Link

```
Run 9: Statistics of Vivace-latency

Start at: 2018-04-03 11:15:08
End at: 2018-04-03 11:15:38
Local clock offset: -6.017 ms
Remote clock offset: 5.344 ms


# Below is generated by plot.py at 2018-04-03 12:38:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 113.151 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 113.151 ms
Loss rate: 0.05%
```
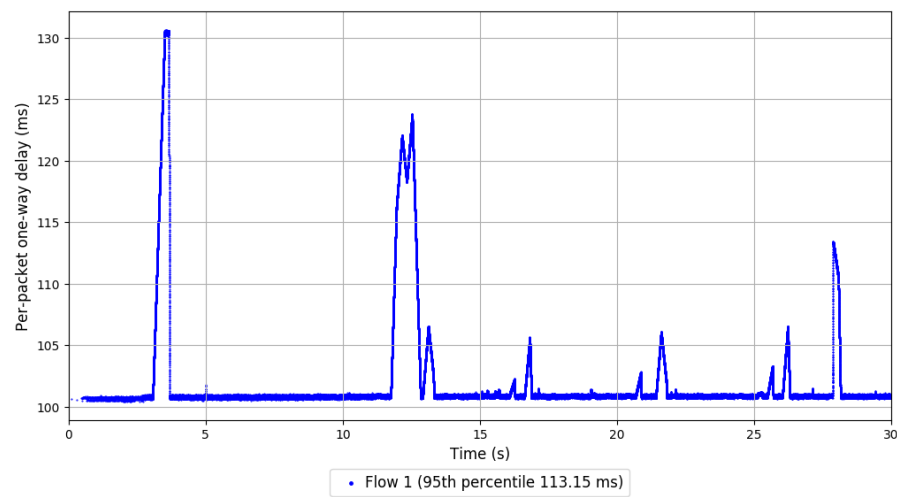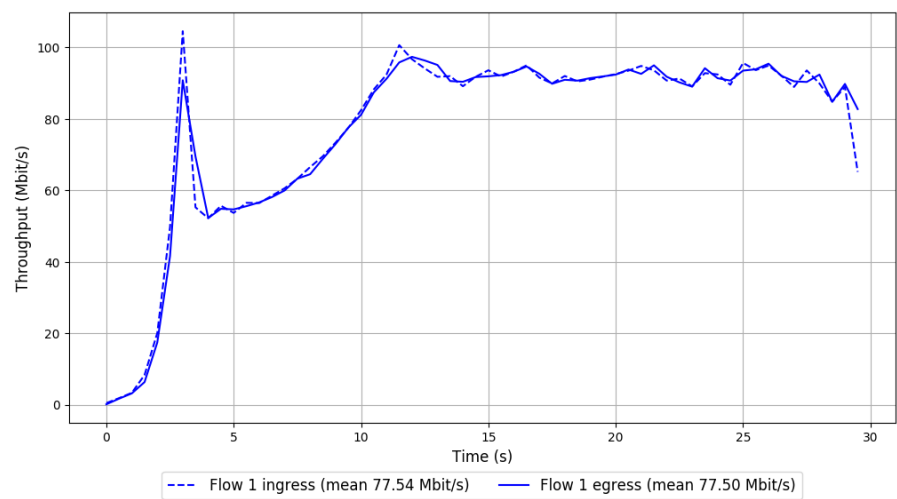
Run 9: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 77.54 Mbit/s)   —— Flow 1 egress (mean 77.50 Mbit/s)

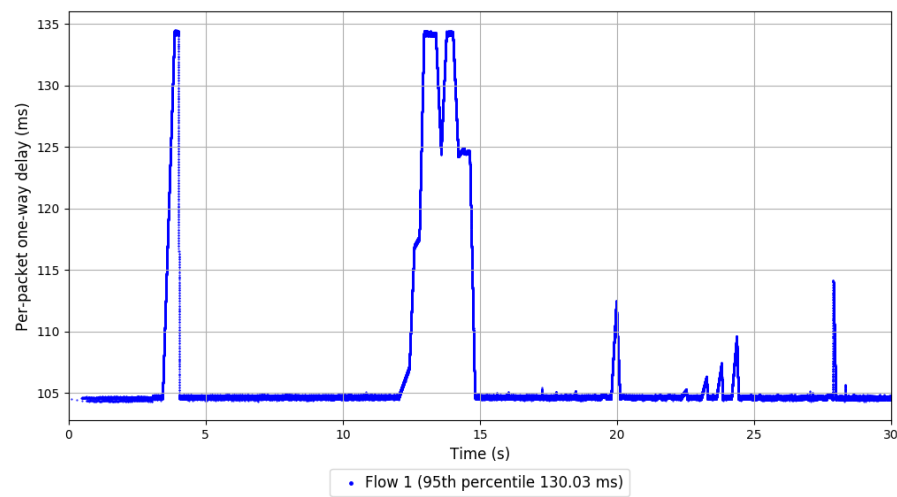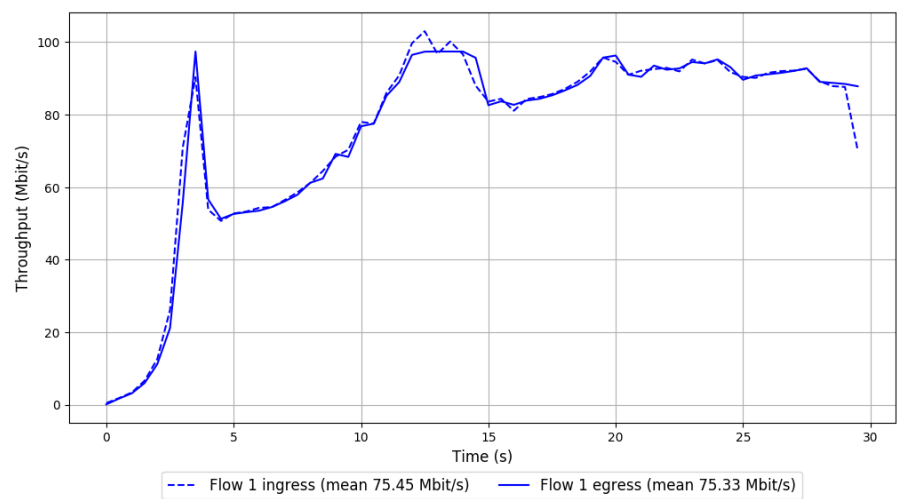• Flow 1 (95th percentile 113.15 ms)

301

```
Run 10: Statistics of Vivace-latency

Start at: 2018-04-03 11:37:40
End at: 2018-04-03 11:38:10
Local clock offset: -5.953 ms
Remote clock offset: 15.967 ms


# Below is generated by plot.py at 2018-04-03 12:38:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 130.028 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 130.028 ms
Loss rate: 0.17%
```

Run 10: Report of Vivace-latency — Data Link

```
Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 08:27:35
End at: 2018-04-03 08:28:05
Local clock offset: -5.799 ms
Remote clock offset: 9.691 ms


# Below is generated by plot.py at 2018-04-03 12:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: 131.609 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: 131.609 ms
Loss rate: 2.64%
```
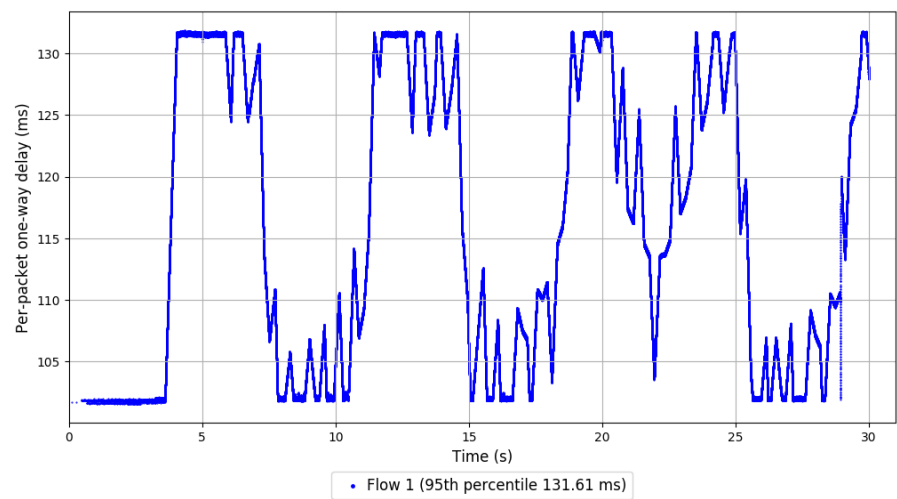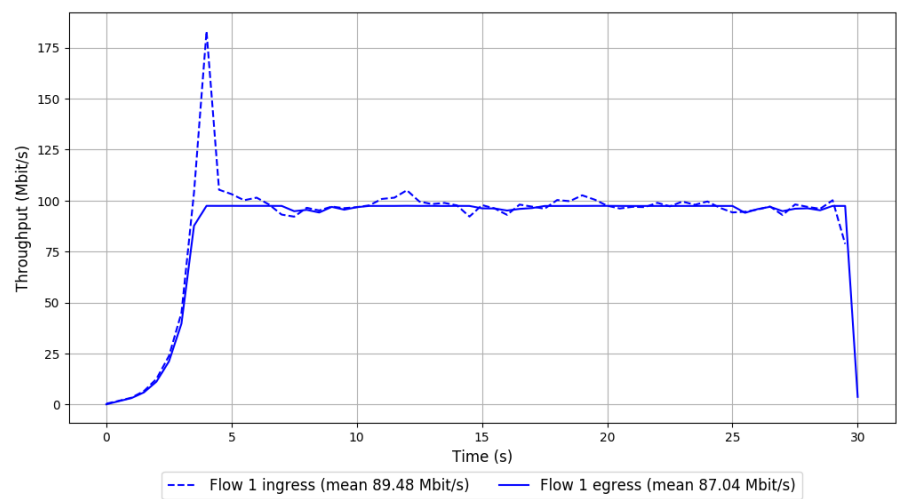
Run 1: Report of Vivace-loss — Data Link

```
Run 2: Statistics of Vivace-loss

Start at: 2018-04-03 08:50:01
End at: 2018-04-03 08:50:31
Local clock offset: -5.439 ms
Remote clock offset: 3.86 ms


# Below is generated by plot.py at 2018-04-03 12:38:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 129.598 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 129.598 ms
Loss rate: 2.45%
```
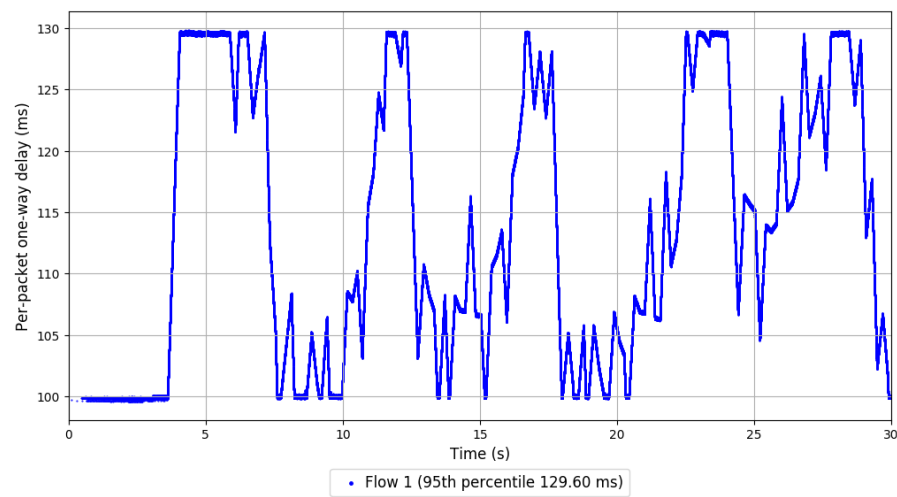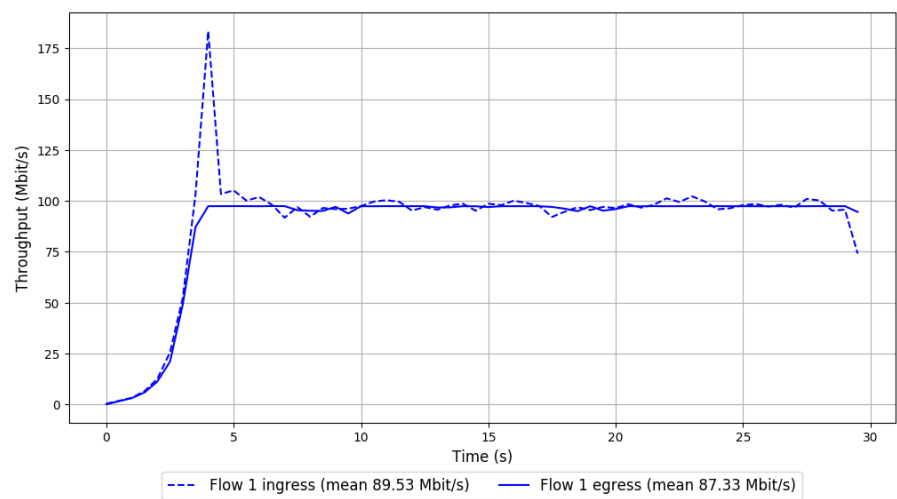
Run 2: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 89.53 Mbit/s) —— Flow 1 egress (mean 87.33 Mbit/s)

• Flow 1 (95th percentile 129.60 ms)

```
Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 09:12:34
End at: 2018-04-03 09:13:04
Local clock offset: -5.176 ms
Remote clock offset: 10.21 ms


# Below is generated by plot.py at 2018-04-03 12:38:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 137.961 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 137.961 ms
Loss rate: 2.42%
```
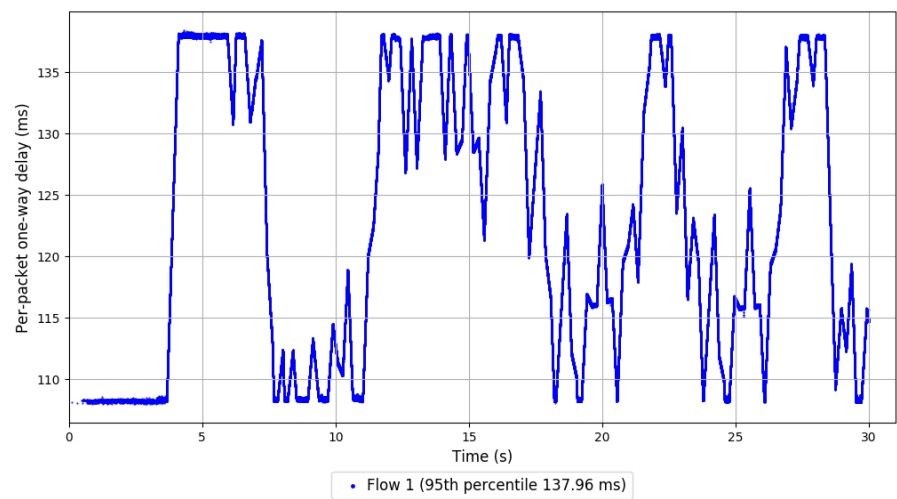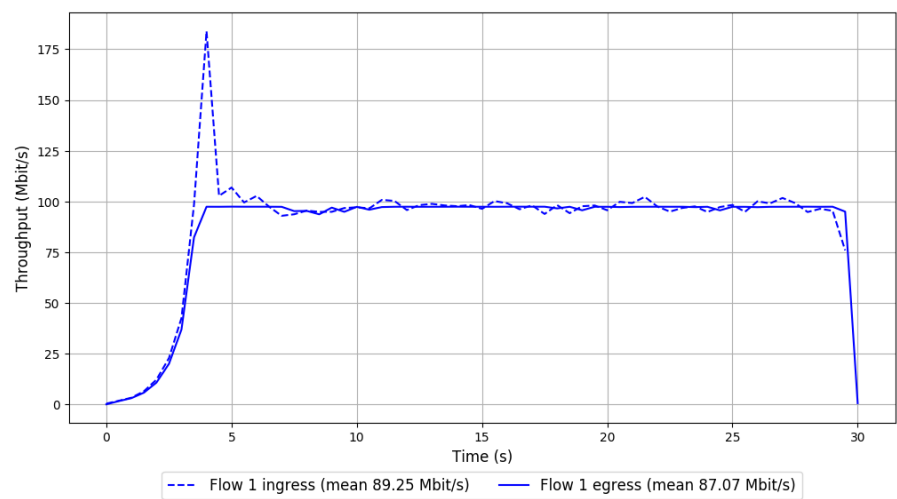
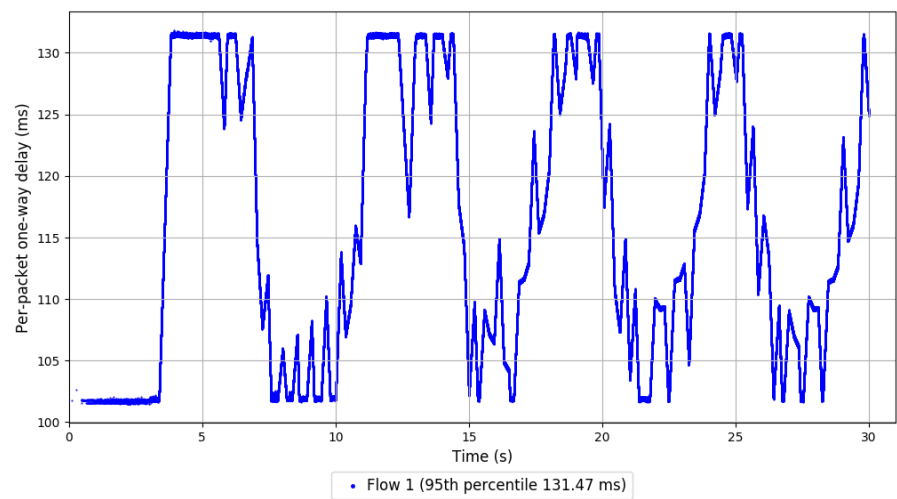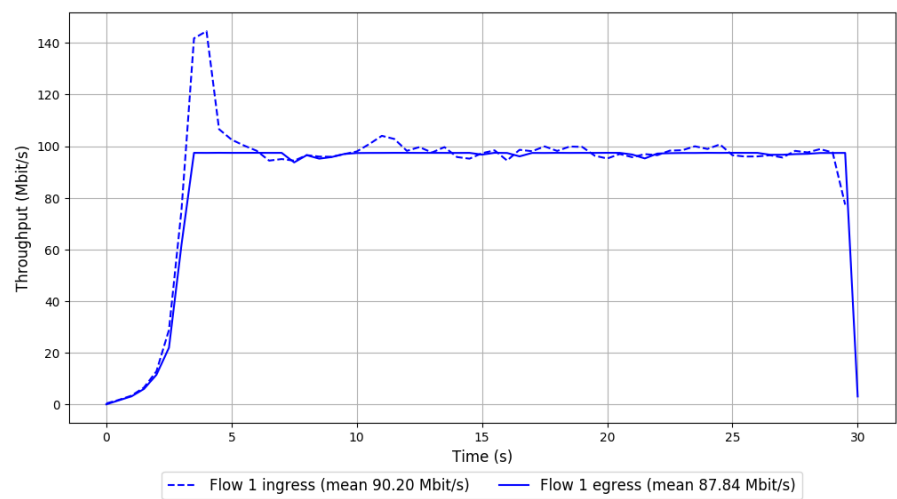Run 3: Report of Vivace-loss — Data Link

```
Run 4: Statistics of Vivace-loss

Start at: 2018-04-03 09:35:07
End at: 2018-04-03 09:35:37
Local clock offset: -6.609 ms
Remote clock offset: 11.398 ms


# Below is generated by plot.py at 2018-04-03 12:38:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 131.465 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 131.465 ms
Loss rate: 2.54%
```

Run 4: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 90.20 Mbit/s) ---- Flow 1 egress (mean 87.84 Mbit/s) ——

Flow 1 (95th percentile 131.47 ms)

311

```
Run 5: Statistics of Vivace-loss

Start at: 2018-04-03 09:57:28
End at: 2018-04-03 09:57:58
Local clock offset: -6.77 ms
Remote clock offset: 11.447 ms


# Below is generated by plot.py at 2018-04-03 12:38:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 130.758 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 130.758 ms
Loss rate: 2.60%
```
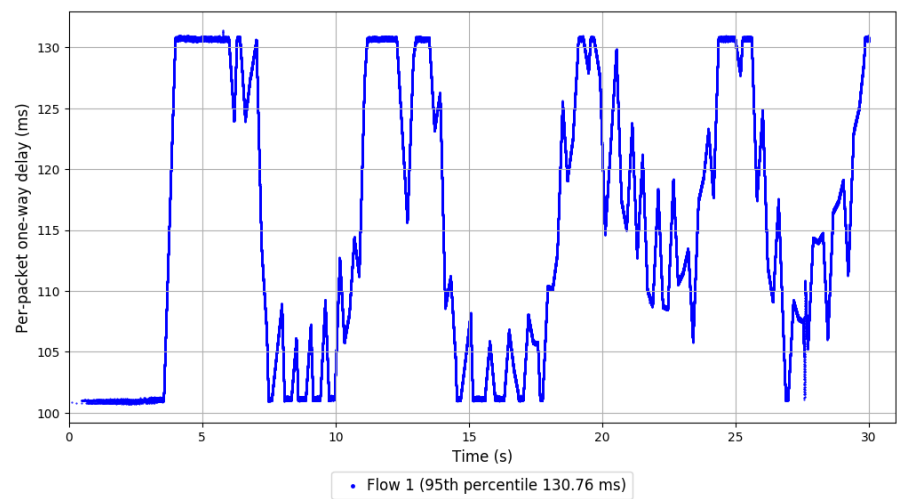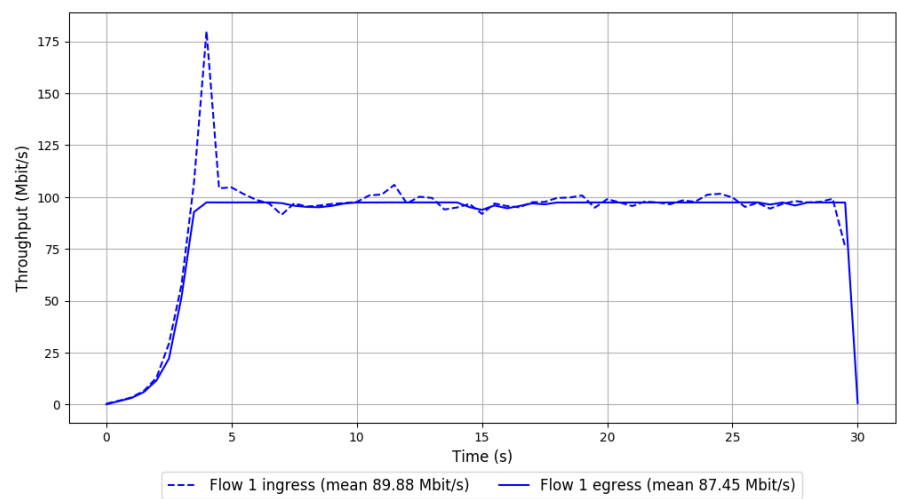
Run 5: Report of Vivace-loss — Data Link

```
Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 10:19:58
End at: 2018-04-03 10:20:28
Local clock offset: -6.829 ms
Remote clock offset: 4.714 ms


# Below is generated by plot.py at 2018-04-03 12:39:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: 124.259 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: 124.259 ms
Loss rate: 2.45%
```
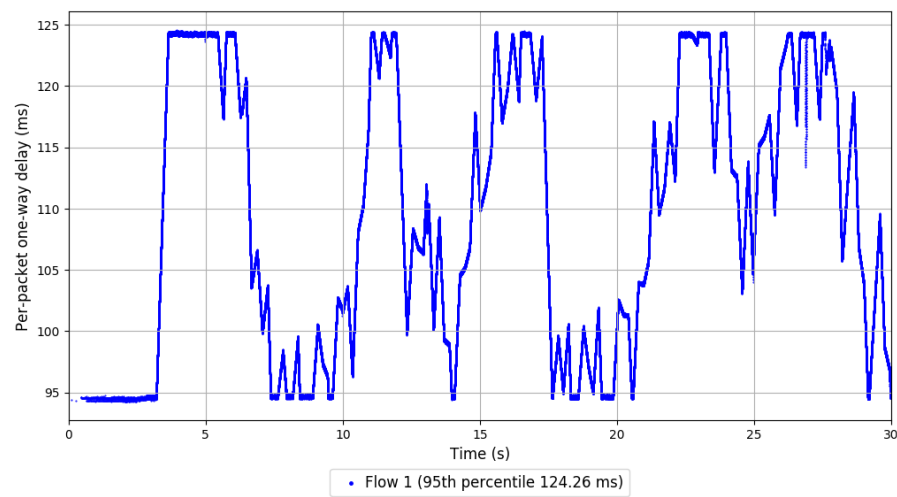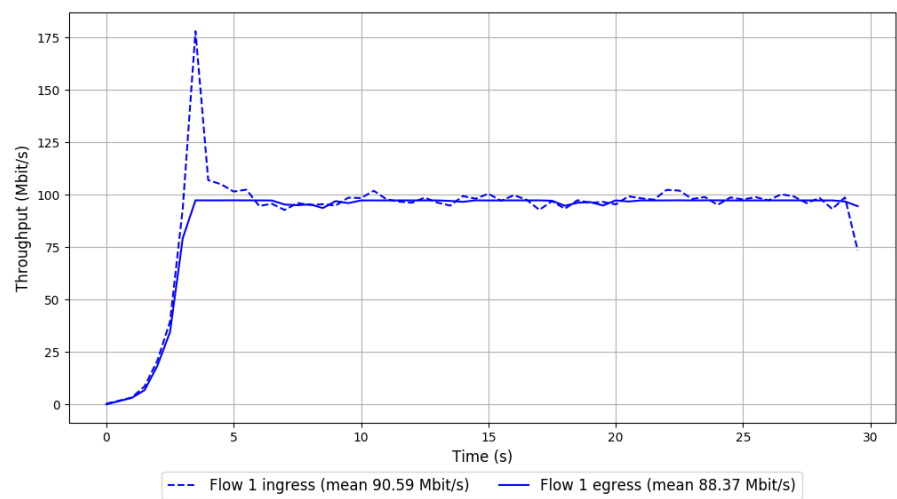
Run 6: Report of Vivace-loss — Data Link

```
Run 7: Statistics of Vivace-loss

Start at: 2018-04-03 10:42:26
End at: 2018-04-03 10:42:56
Local clock offset: -5.897 ms
Remote clock offset: 6.633 ms


# Below is generated by plot.py at 2018-04-03 12:39:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 130.348 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 130.348 ms
Loss rate: 2.56%
```
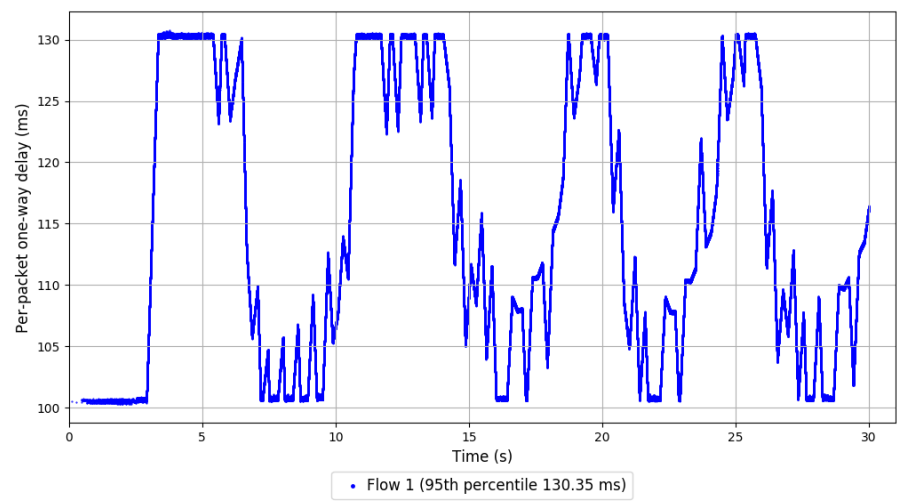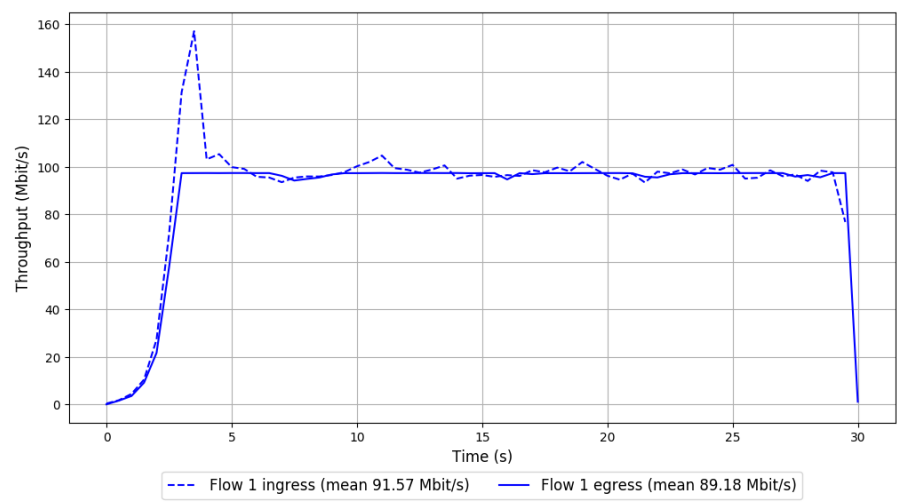
Run 7: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 91.57 Mbit/s) --- Flow 1 egress (mean 89.18 Mbit/s)
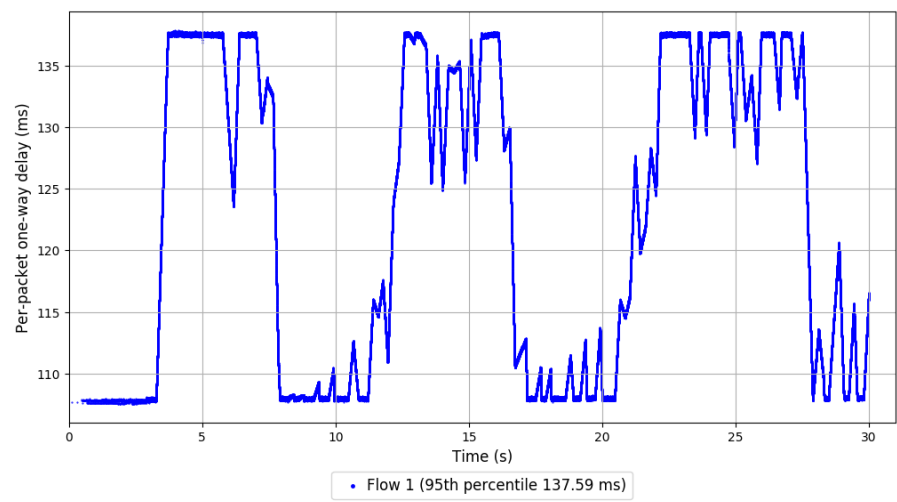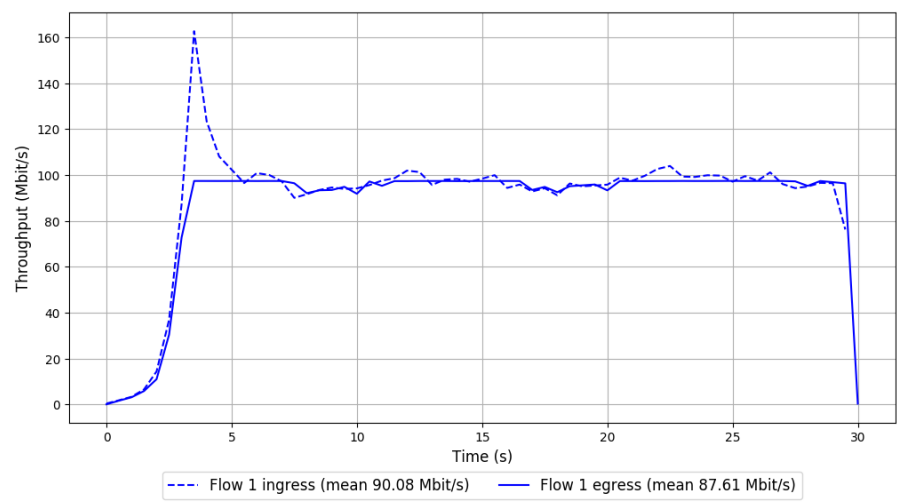

Flow 1 (95th percentile 130.35 ms)

```
Run 8: Statistics of Vivace-loss

Start at: 2018-04-03 11:04:55
End at: 2018-04-03 11:05:25
Local clock offset: -5.972 ms
Remote clock offset: 12.162 ms


# Below is generated by plot.py at 2018-04-03 12:39:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 137.589 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 137.589 ms
Loss rate: 2.72%
```

Run 8: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 90.08 Mbit/s) --- Flow 1 egress (mean 87.61 Mbit/s)

• Flow 1 (95th percentile 137.59 ms)

```
Run 9: Statistics of Vivace-loss

Start at: 2018-04-03 11:27:26
End at: 2018-04-03 11:27:56
Local clock offset: -6.038 ms
Remote clock offset: 5.064 ms


# Below is generated by plot.py at 2018-04-03 12:40:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 123.844 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 123.844 ms
Loss rate: 2.37%
```
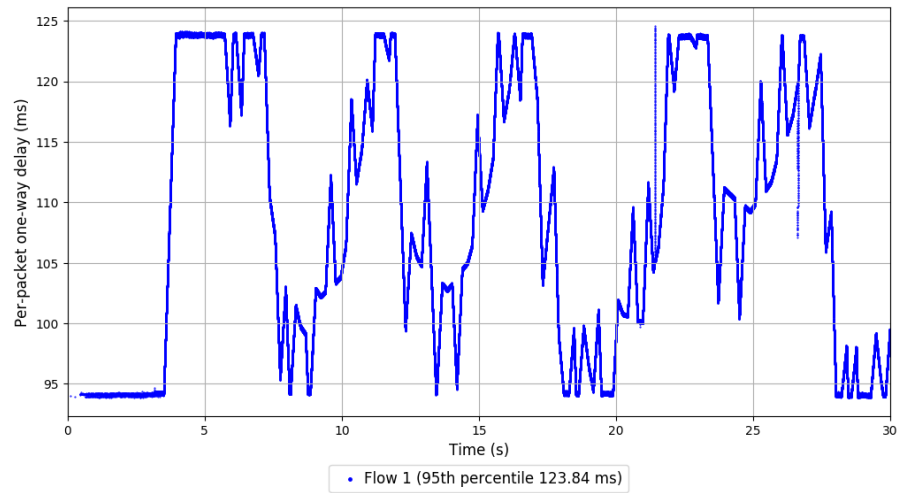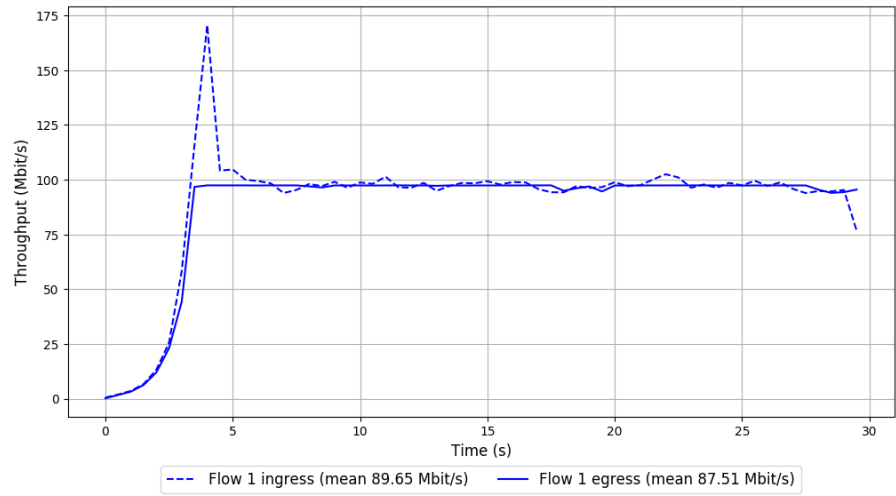
Run 9: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 89.65 Mbit/s)   Flow 1 egress (mean 87.51 Mbit/s)

• Flow 1 (95th percentile 123.84 ms)

```
Run 10: Statistics of Vivace-loss

Start at: 2018-04-03 11:49:59
End at: 2018-04-03 11:50:29
Local clock offset: -5.665 ms
Remote clock offset: 18.57 ms


# Below is generated by plot.py at 2018-04-03 12:40:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 130.569 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 130.569 ms
Loss rate: 2.43%
```
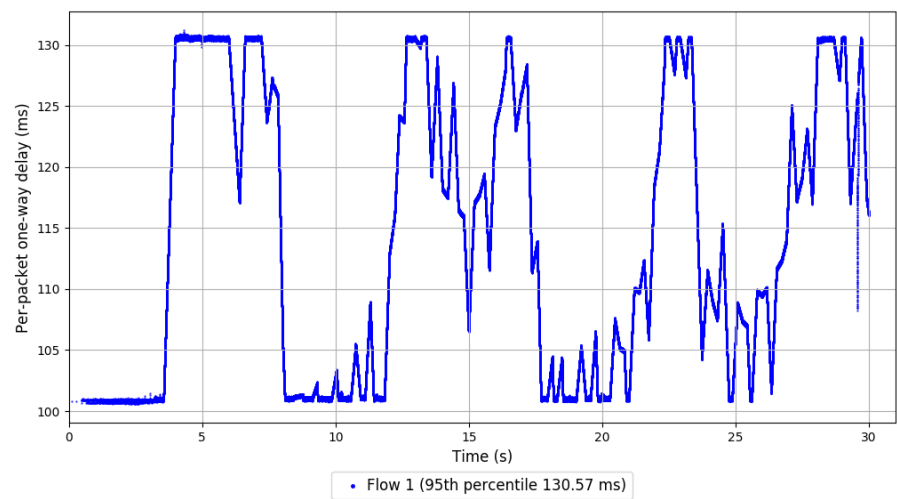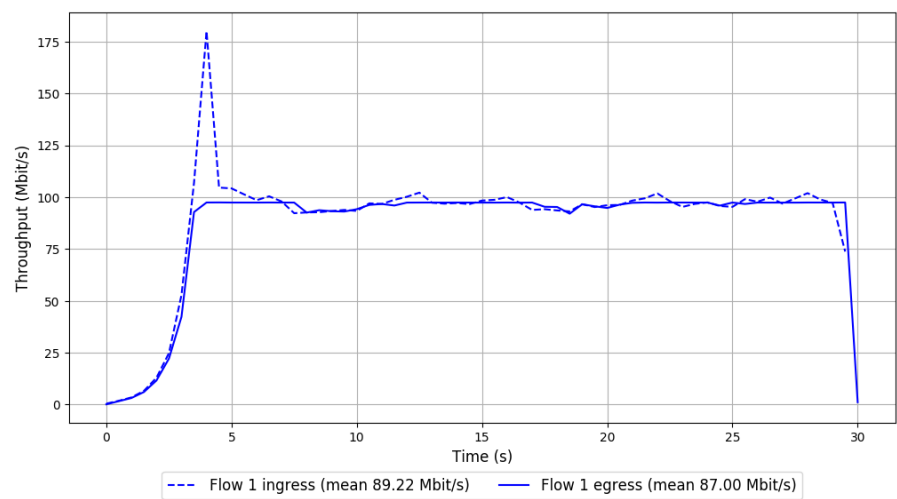
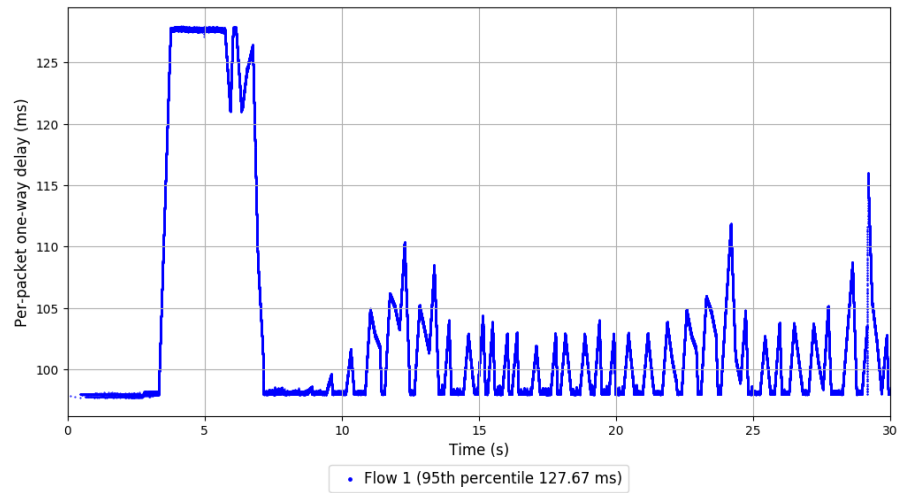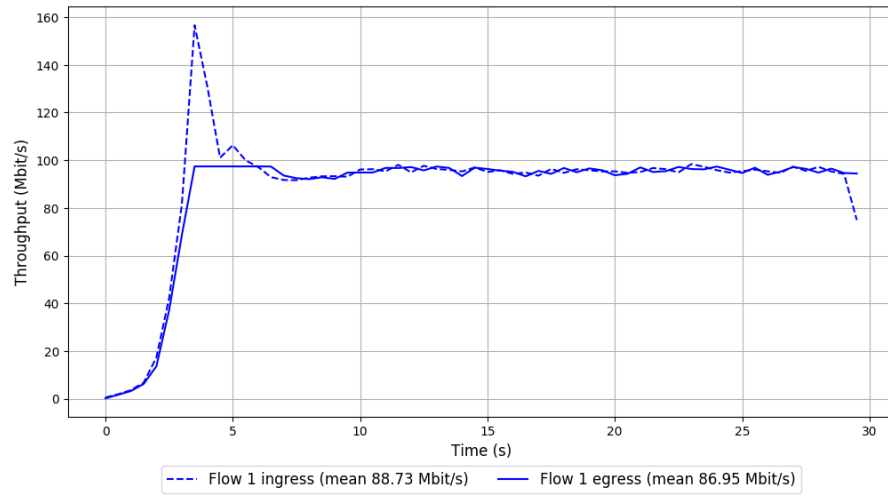# Run 10: Report of Vivace-loss — Data Link

```
Run 1: Statistics of Vivace-LTE

Start at: 2018-04-03 08:22:33
End at: 2018-04-03 08:23:03
Local clock offset: -5.905 ms
Remote clock offset: 10.754 ms


# Below is generated by plot.py at 2018-04-03 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 127.665 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 127.665 ms
Loss rate: 2.00%
```

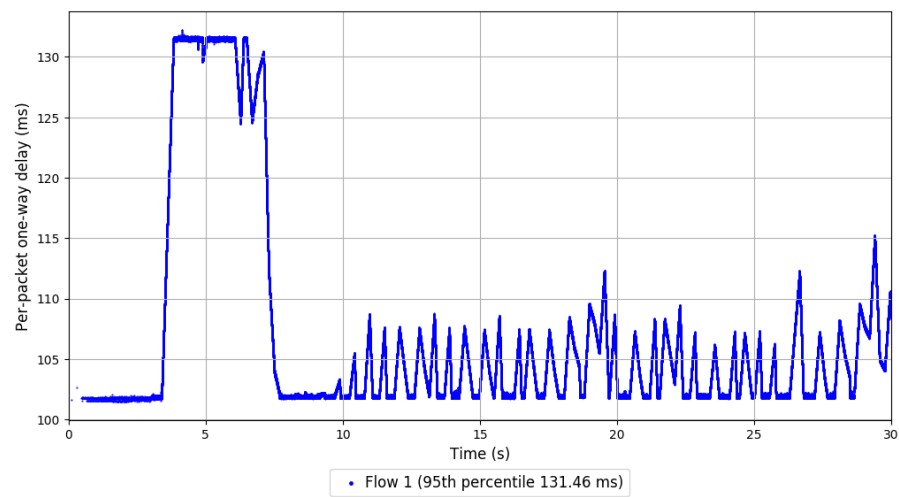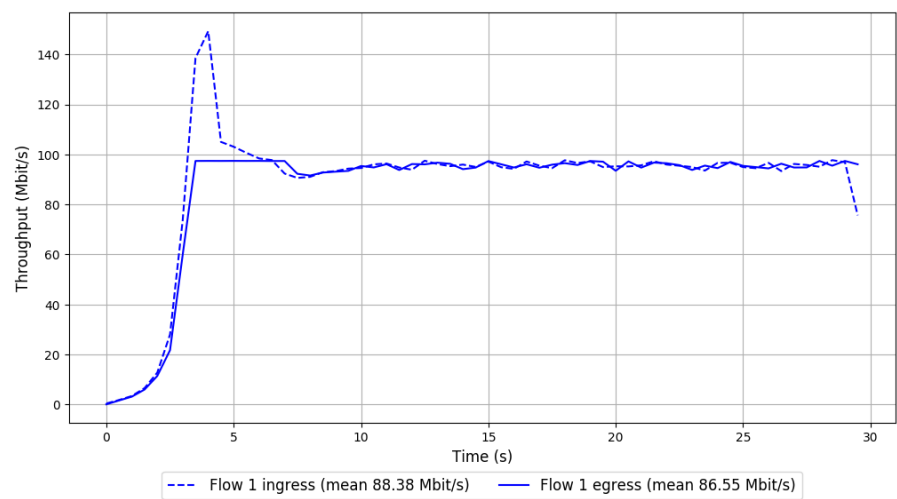Run 1: Report of Vivace-LTE — Data Link

```
Run 2: Statistics of Vivace-LTE

Start at: 2018-04-03 08:44:59
End at: 2018-04-03 08:45:29
Local clock offset: -5.593 ms
Remote clock offset: 10.346 ms


# Below is generated by plot.py at 2018-04-03 12:40:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 131.463 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 131.463 ms
Loss rate: 2.05%
```

Run 2: Report of Vivace-LTE — Data Link

```
Run 3: Statistics of Vivace-LTE

Start at: 2018-04-03 09:07:27
End at: 2018-04-03 09:07:57
Local clock offset: -5.24 ms
Remote clock offset: 4.468 ms


# Below is generated by plot.py at 2018-04-03 12:40:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 132.222 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 132.222 ms
Loss rate: 2.08%
```
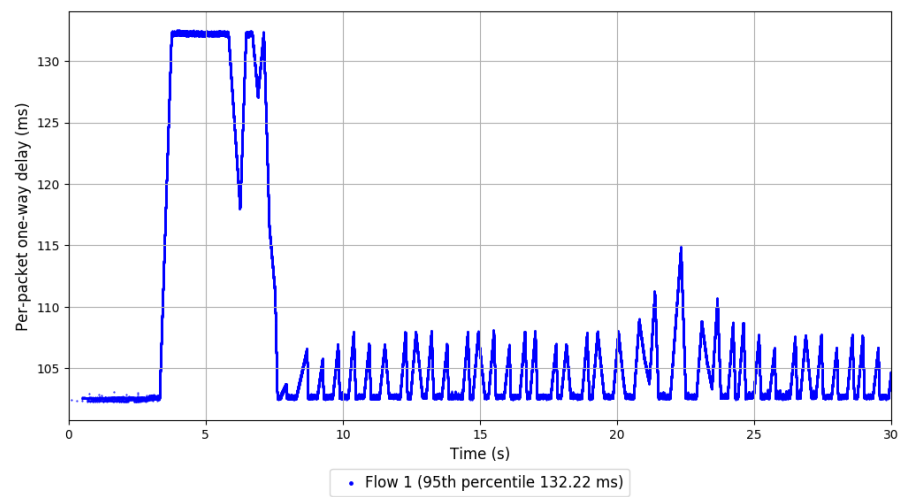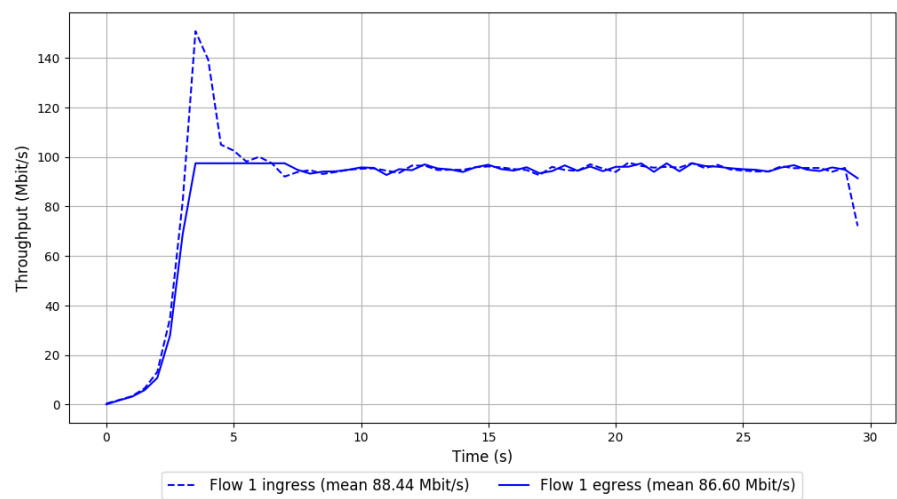
Run 3: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.44 Mbit/s) --- Flow 1 egress (mean 86.60 Mbit/s)

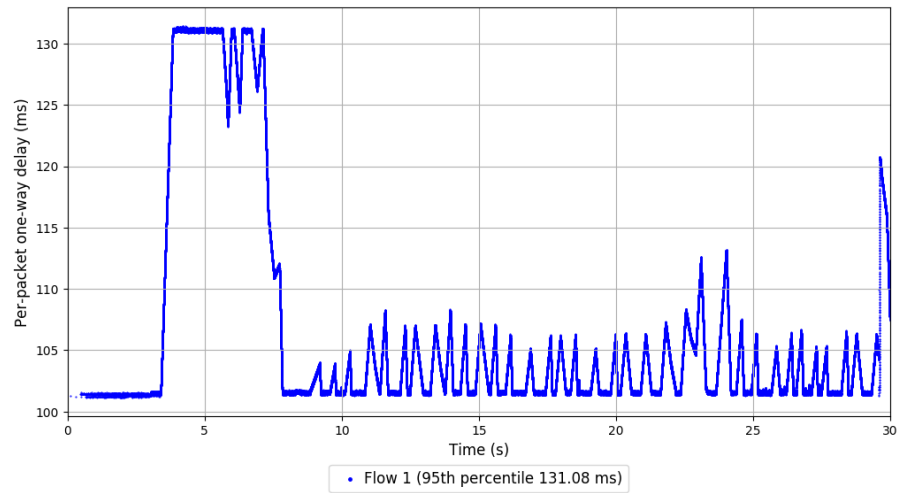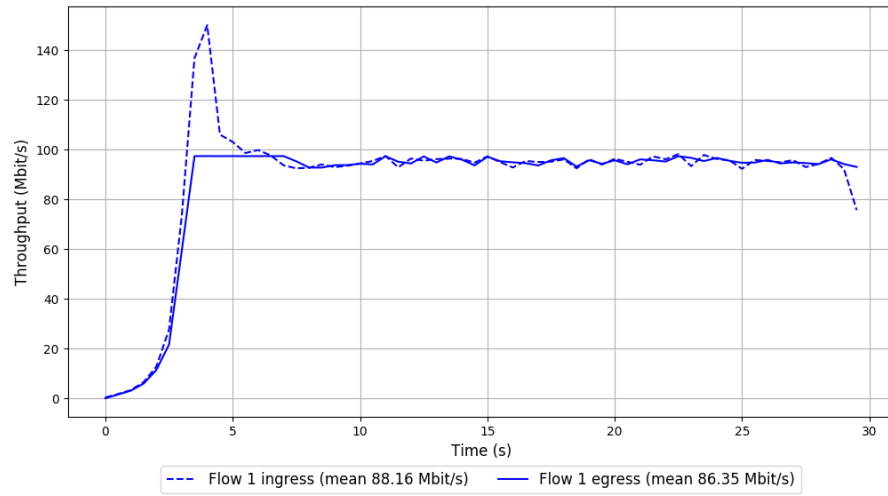
• Flow 1 (95th percentile 132.22 ms)

```
Run 4: Statistics of Vivace-LTE

Start at: 2018-04-03 09:30:02
End at: 2018-04-03 09:30:32
Local clock offset: -6.352 ms
Remote clock offset: 12.117 ms


# Below is generated by plot.py at 2018-04-03 12:40:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 131.082 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 131.082 ms
Loss rate: 2.04%
```

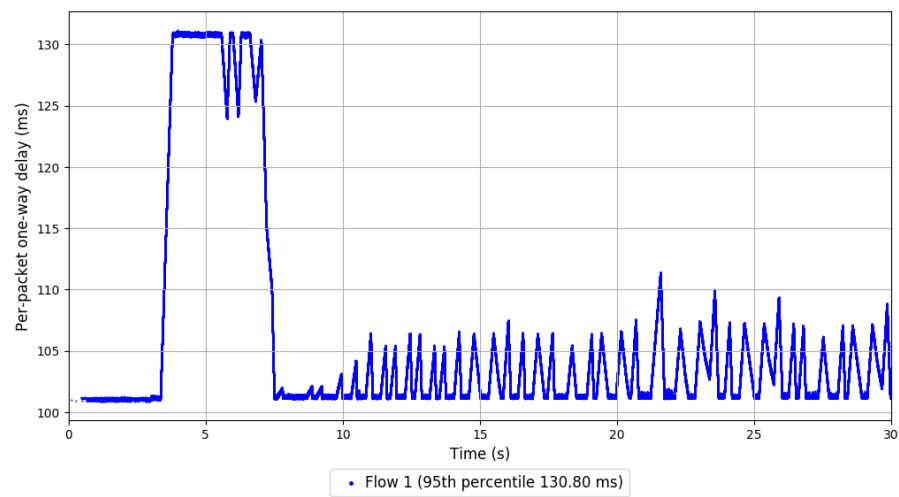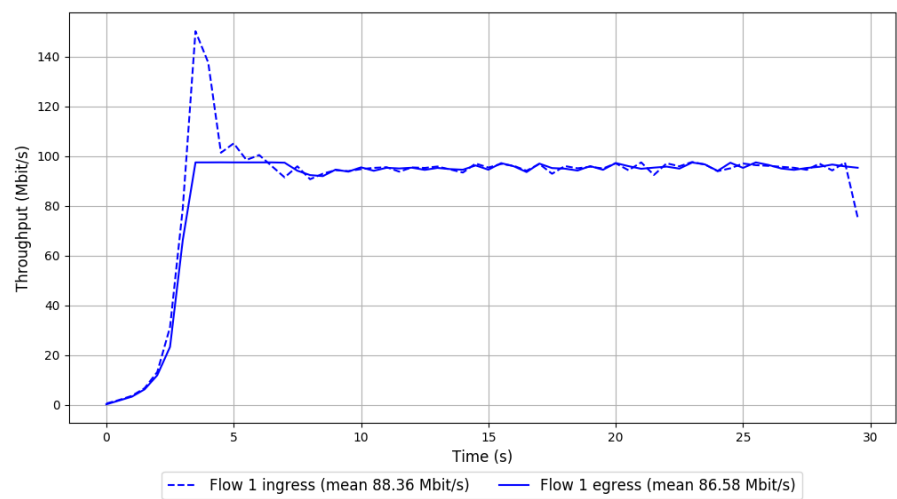## Run 4: Report of Vivace-LTE — Data Link

```
Run 5: Statistics of Vivace-LTE

Start at: 2018-04-03 09:52:22
End at: 2018-04-03 09:52:52
Local clock offset: -6.872 ms
Remote clock offset: 11.827 ms


# Below is generated by plot.py at 2018-04-03 12:40:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 130.796 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 130.796 ms
Loss rate: 2.01%
```

Run 5: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.36 Mbit/s)   Flow 1 egress (mean 86.58 Mbit/s)

Flow 1 (95th percentile 130.80 ms)

```
Run 6: Statistics of Vivace-LTE

Start at: 2018-04-03 10:14:55
End at: 2018-04-03 10:15:25
Local clock offset: -6.77 ms
Remote clock offset: 5.713 ms


# Below is generated by plot.py at 2018-04-03 12:40:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.29 Mbit/s
95th percentile per-packet one-way delay: 128.563 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 86.29 Mbit/s
95th percentile per-packet one-way delay: 128.563 ms
Loss rate: 2.07%
```
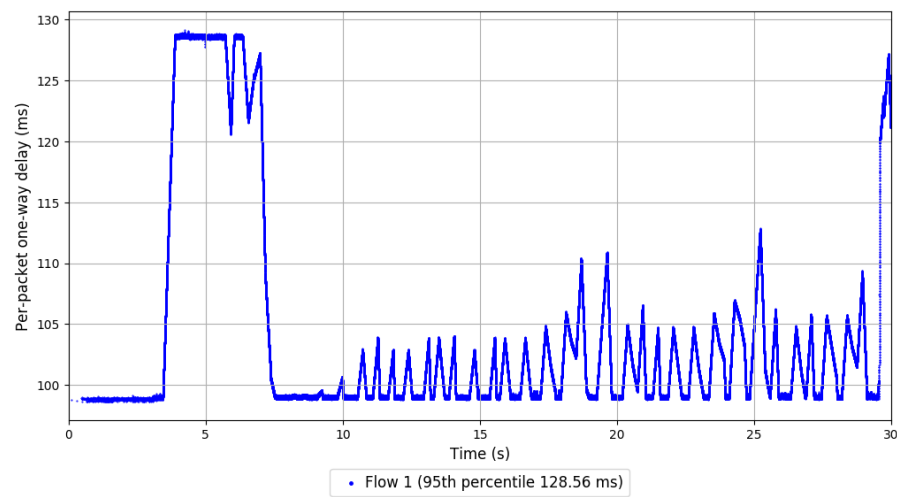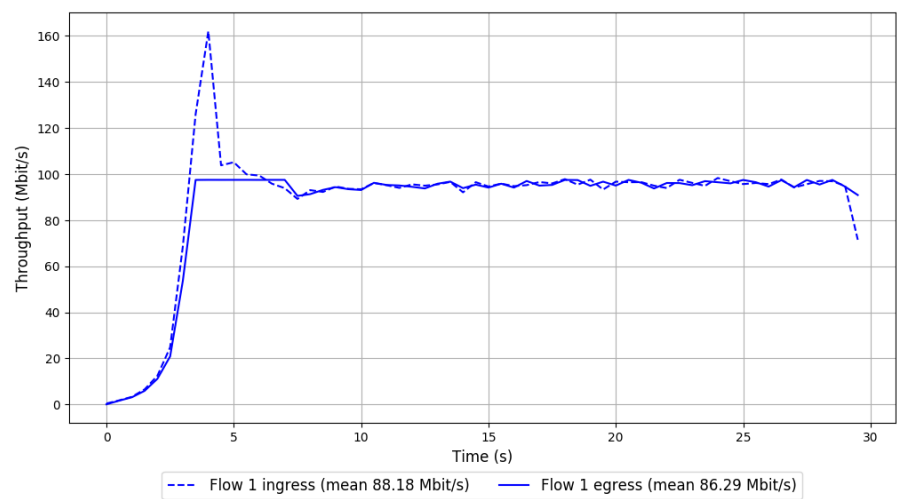
Run 6: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.18 Mbit/s) --- Flow 1 egress (mean 86.29 Mbit/s)

Flow 1 (95th percentile 128.56 ms)

```
Run 7: Statistics of Vivace-LTE

Start at: 2018-04-03 10:37:23
End at: 2018-04-03 10:37:53
Local clock offset: -6.045 ms
Remote clock offset: 5.525 ms


# Below is generated by plot.py at 2018-04-03 12:41:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 124.234 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 124.234 ms
Loss rate: 2.04%
```
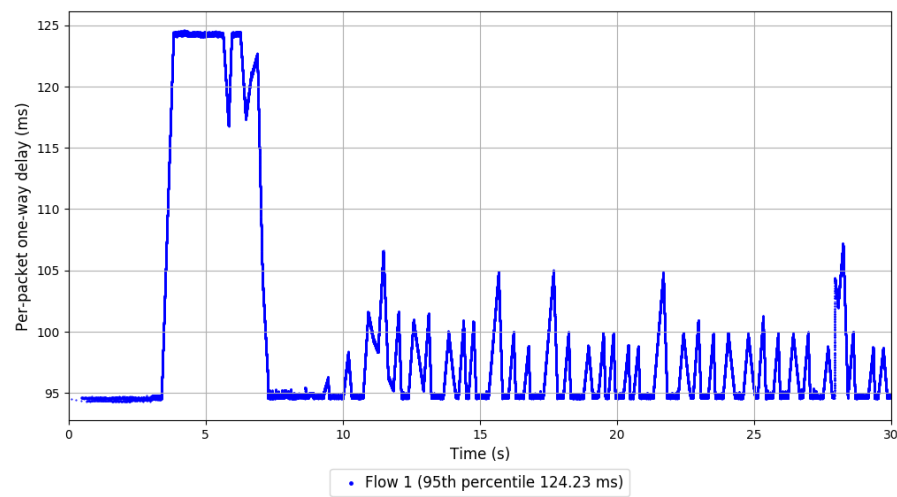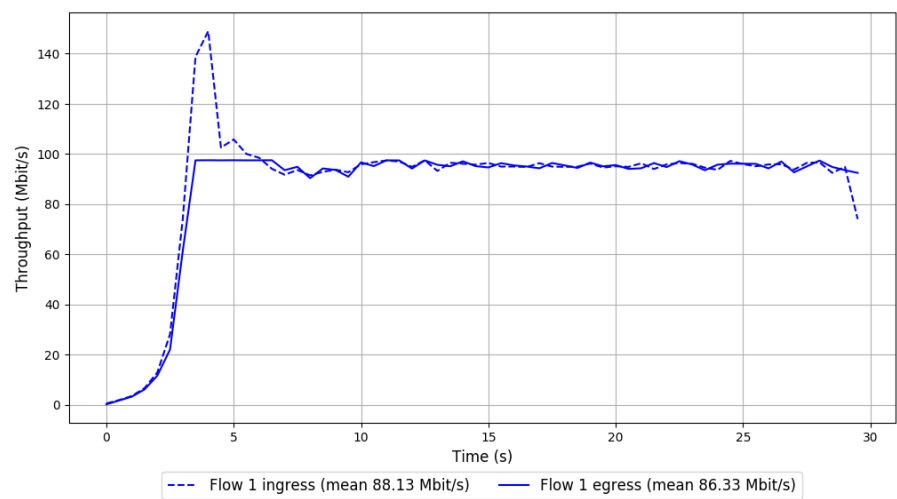
Run 7: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 88.13 Mbit/s) —— Flow 1 egress (mean 86.33 Mbit/s)

• Flow 1 (95th percentile 124.23 ms)

```
Run 8: Statistics of Vivace-LTE

Start at: 2018-04-03 10:59:51
End at: 2018-04-03 11:00:21
Local clock offset: -5.822 ms
Remote clock offset: 5.144 ms


# Below is generated by plot.py at 2018-04-03 12:41:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.54 Mbit/s
95th percentile per-packet one-way delay: 131.468 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 85.54 Mbit/s
95th percentile per-packet one-way delay: 131.468 ms
Loss rate: 2.11%
```
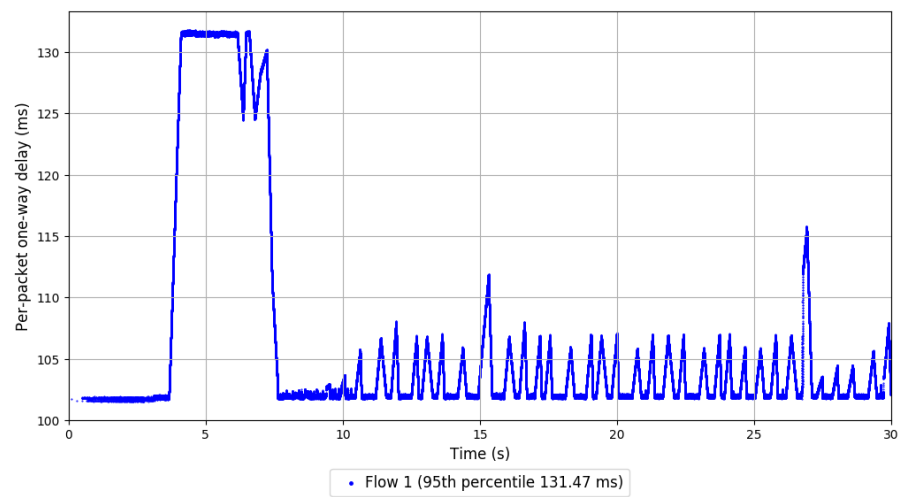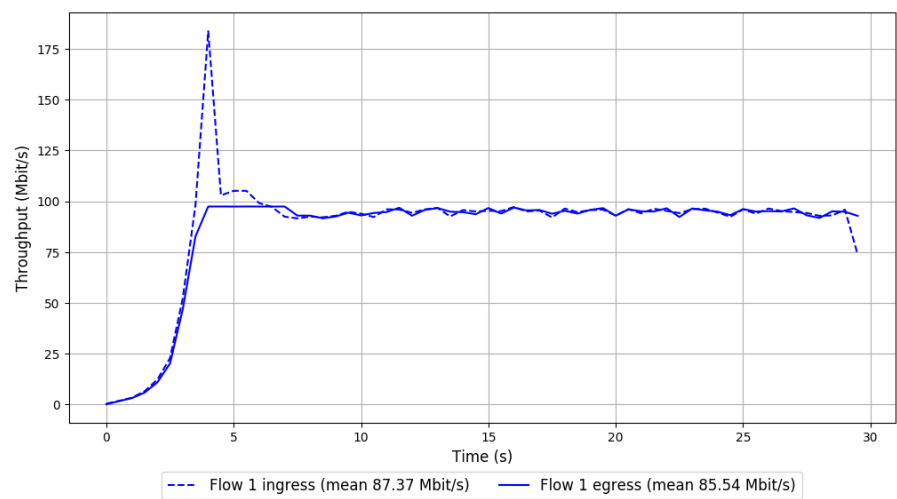
Run 8: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 87.37 Mbit/s) --- Flow 1 egress (mean 85.54 Mbit/s)

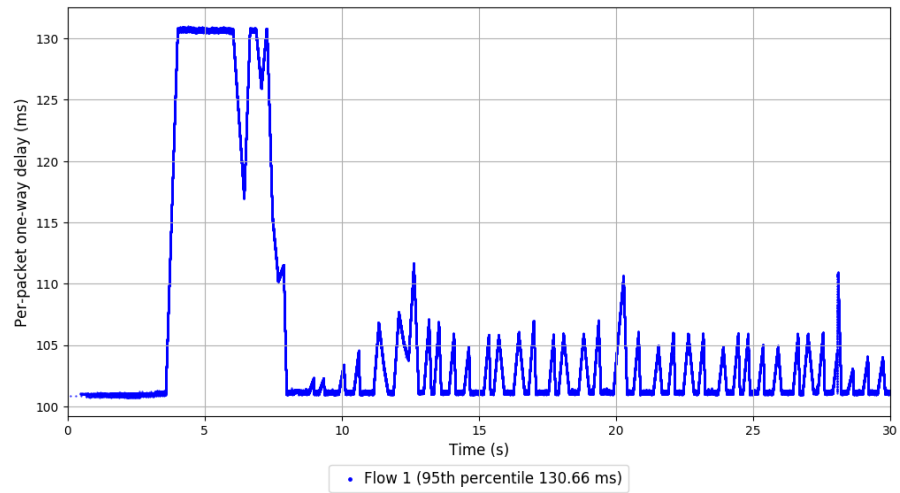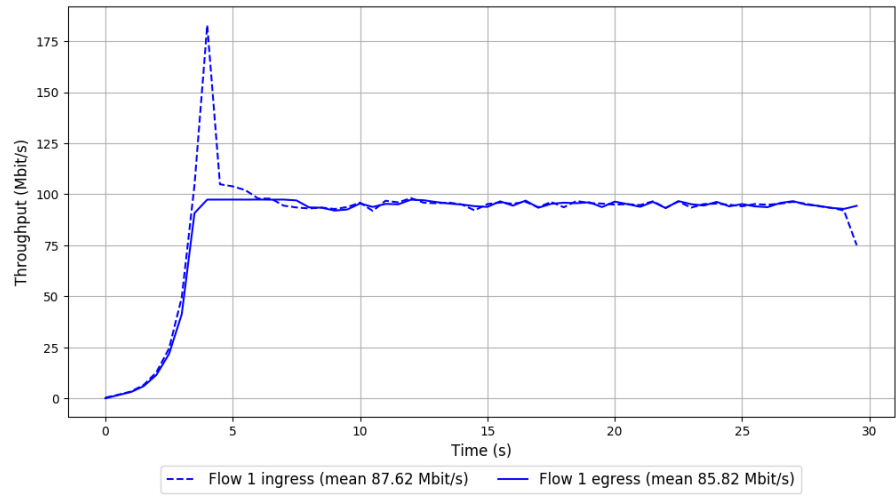
• Flow 1 (95th percentile 131.47 ms)

```
Run 9: Statistics of Vivace-LTE

Start at: 2018-04-03 11:22:22
End at: 2018-04-03 11:22:52
Local clock offset: -6.052 ms
Remote clock offset: 10.577 ms


# Below is generated by plot.py at 2018-04-03 12:41:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 130.665 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 130.665 ms
Loss rate: 2.05%
```

Run 9: Report of Vivace-LTE — Data Link

```
Run 10: Statistics of Vivace-LTE

Start at: 2018-04-03 11:44:53
End at: 2018-04-03 11:45:23
Local clock offset: -5.72 ms
Remote clock offset: 17.772 ms


# Below is generated by plot.py at 2018-04-03 12:41:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 127.208 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 127.208 ms
Loss rate: 1.96%
```

Run 10: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 90.07 Mbit/s)   Flow 1 egress (mean 88.28 Mbit/s)

Flow 1 (95th percentile 127.21 ms)