Pantheon Report

Generated at 2018-02-13 05:21:10 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

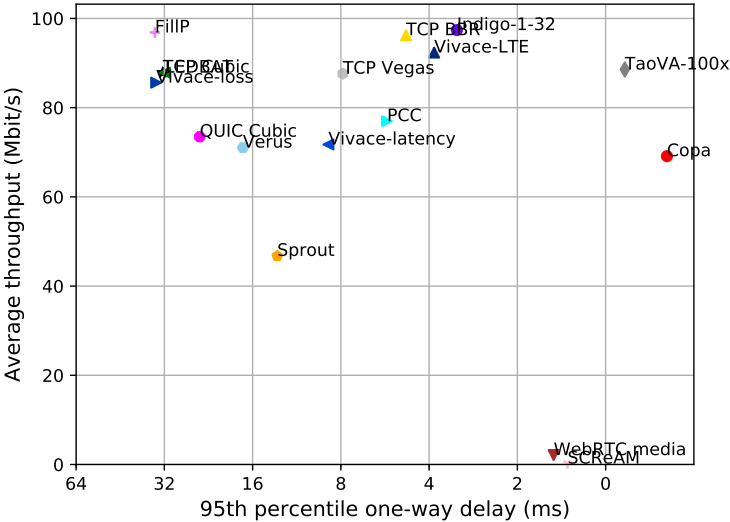Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

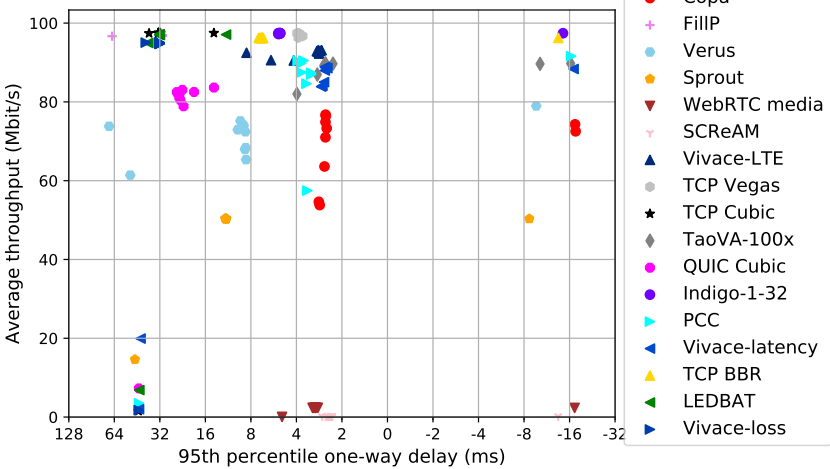NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 2efdadc57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

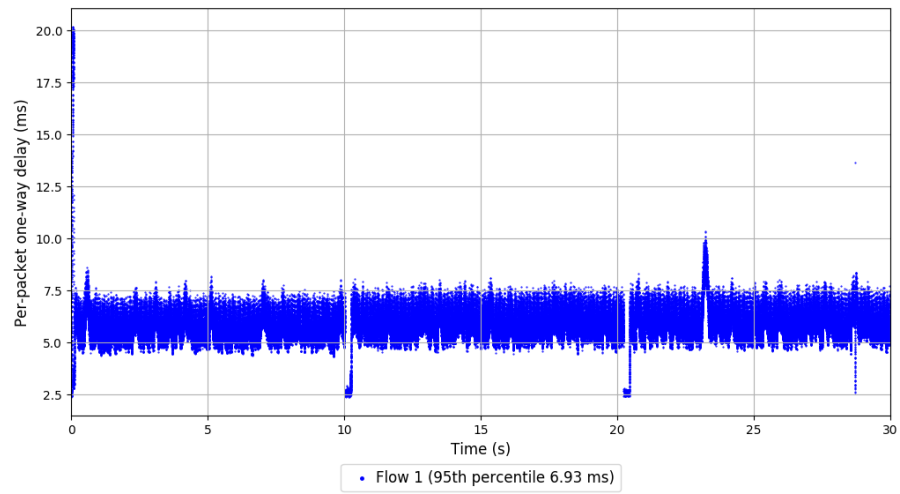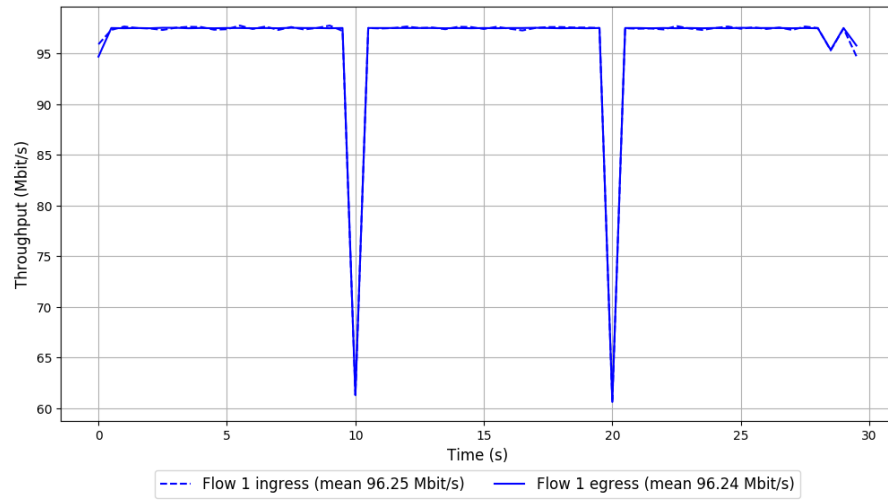test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.25	4.80	0.00
TCP Cubic	10	87.88	32.40	0.34
LEDBAT	10	87.85	31.86	0.14
PCC	10	76.97	5.57	0.78
QUIC Cubic	9	73.49	24.24	0.28
SCReAM	10	0.22	0.86	0.00
WebRTC media	10	2.10	1.18	0.00
Sprout	10	46.76	13.19	0.64
TaoVA-100x	10	88.55	-0.43	0.00
TCP Vegas	10	87.61	7.88	0.26
Verus	10	71.04	17.27	2.71
Copa	10	69.13	-1.39	0.00
FillP	10	96.86	34.47	12.29
Indigo-1-32	10	97.39	3.22	0.00
Vivace-latency	10	71.74	8.82	0.76
Vivace-loss	10	85.60	34.11	3.56
Vivace-LTE	10	92.36	3.84	0.04

```
Run 1: Statistics of TCP BBR

Start at: 2018-02-13 01:15:53
End at: 2018-02-13 01:16:23
Local clock offset: -5.238 ms
Remote clock offset: -4.995 ms

# Below is generated by plot.py at 2018-02-13 04:56:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.930 ms
Loss rate: 0.00%
```
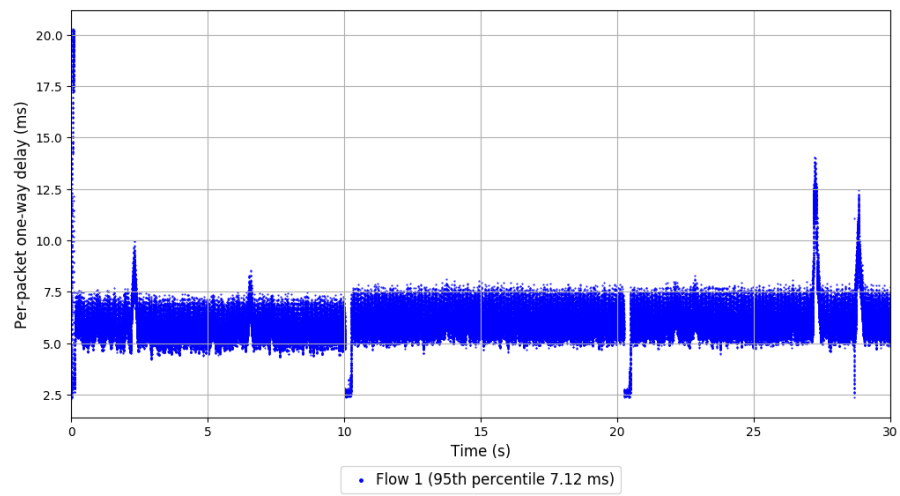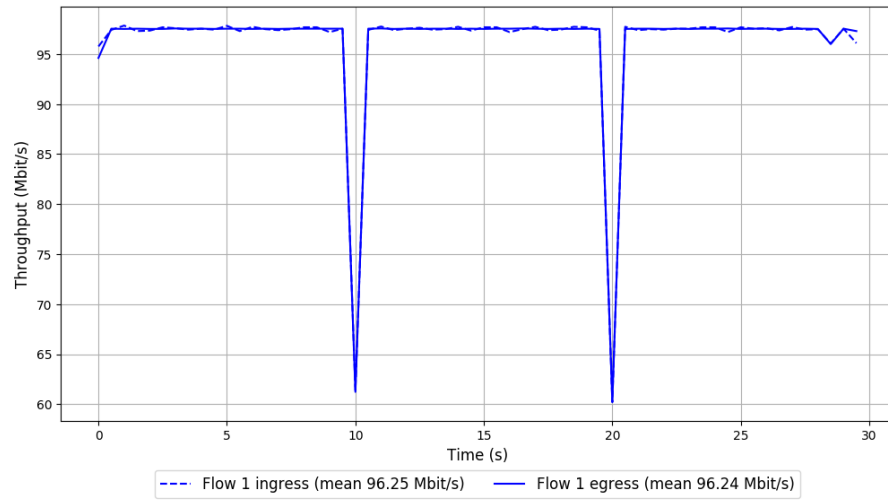
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.25 Mbit/s) ---- Flow 1 egress (mean 96.24 Mbit/s)

Flow 1 (95th percentile 6.93 ms)

```
Run 2: Statistics of TCP BBR

Start at: 2018-02-13 01:36:02
End at: 2018-02-13 01:36:32
Local clock offset: -5.314 ms
Remote clock offset: -5.193 ms

# Below is generated by plot.py at 2018-02-13 04:56:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 7.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 7.115 ms
Loss rate: 0.00%
```
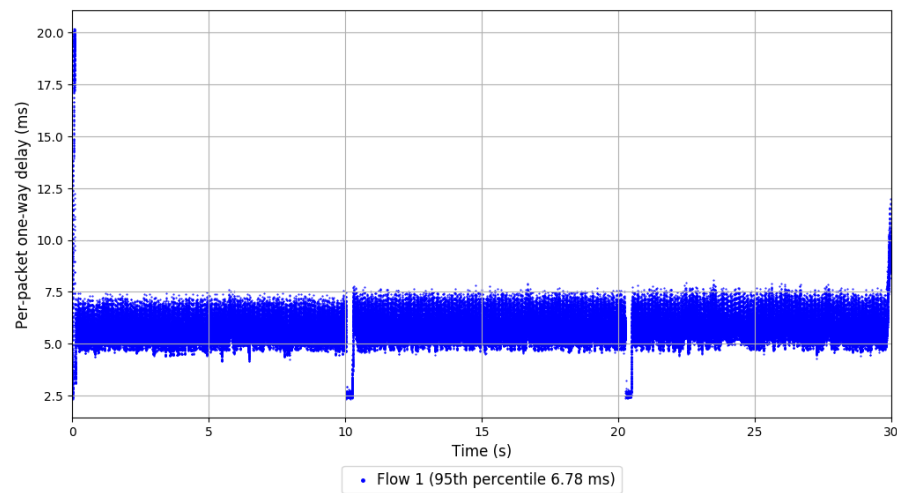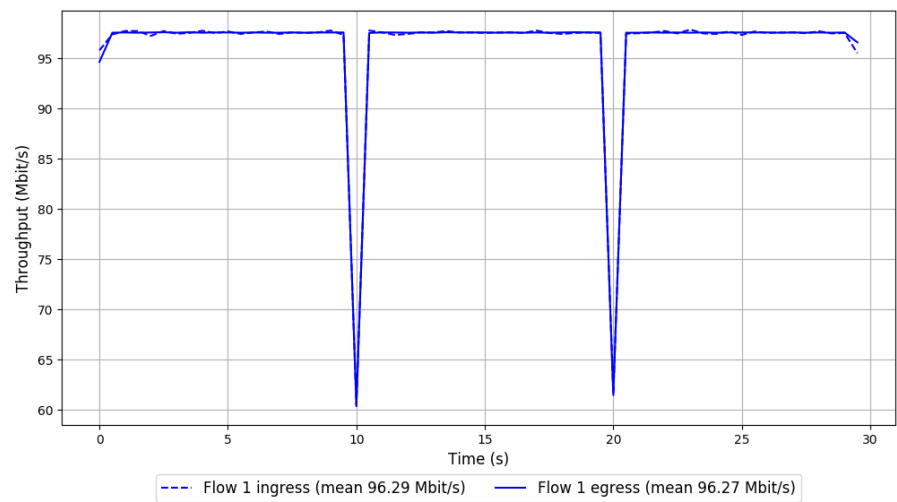
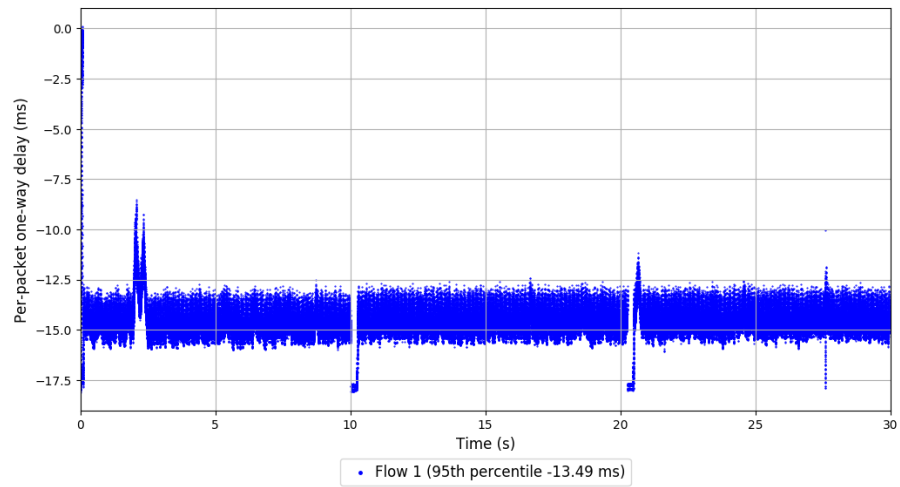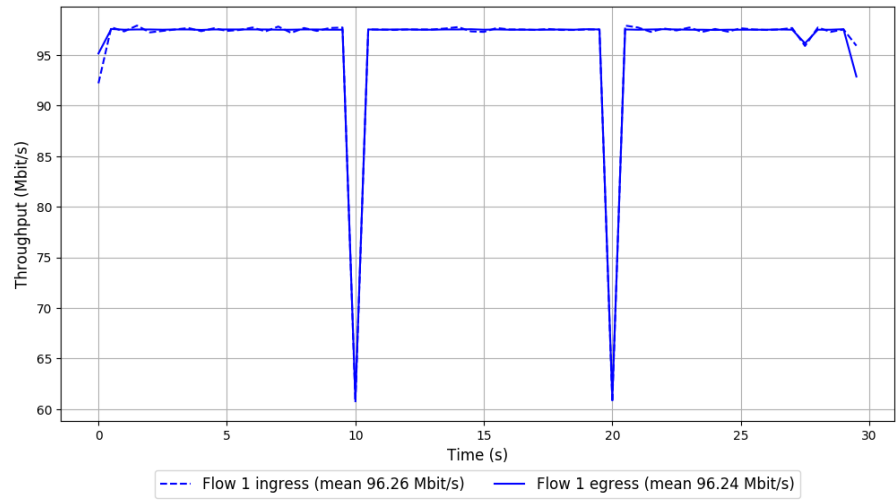Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2018-02-13 01:56:18
End at: 2018-02-13 01:56:48
Local clock offset: -5.221 ms
Remote clock offset: -4.94 ms


# Below is generated by plot.py at 2018-02-13 04:56:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.776 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.29 Mbit/s)   Flow 1 egress (mean 96.27 Mbit/s)

Flow 1 (95th percentile 6.78 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-02-13 02:16:41
End at: 2018-02-13 02:17:11
Local clock offset: -4.777 ms
Remote clock offset: -25.127 ms


# Below is generated by plot.py at 2018-02-13 04:56:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: -13.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: -13.489 ms
Loss rate: 0.00%
```
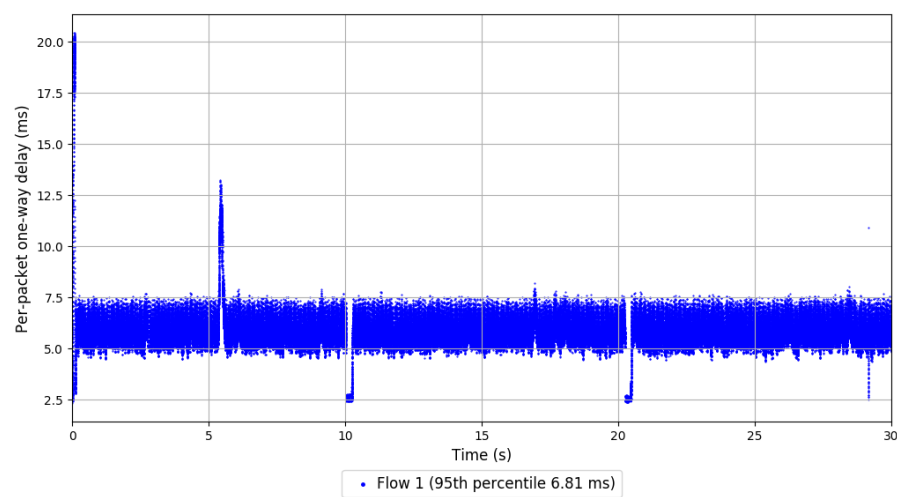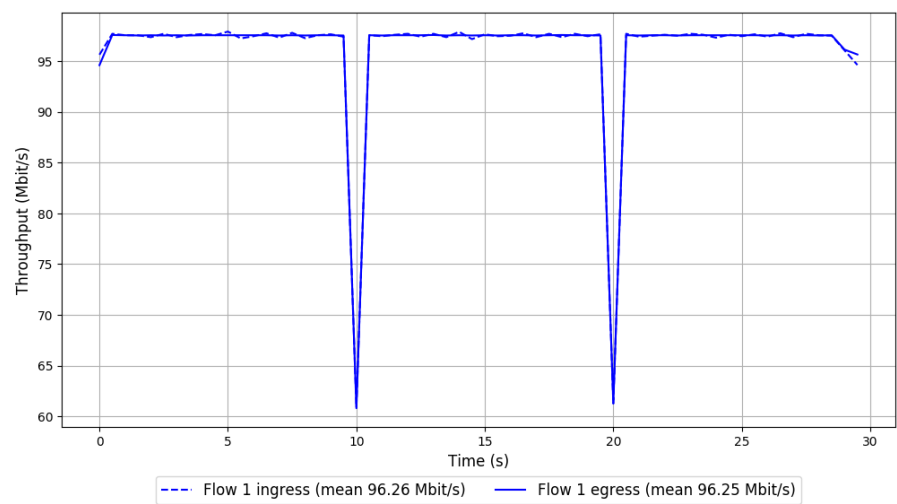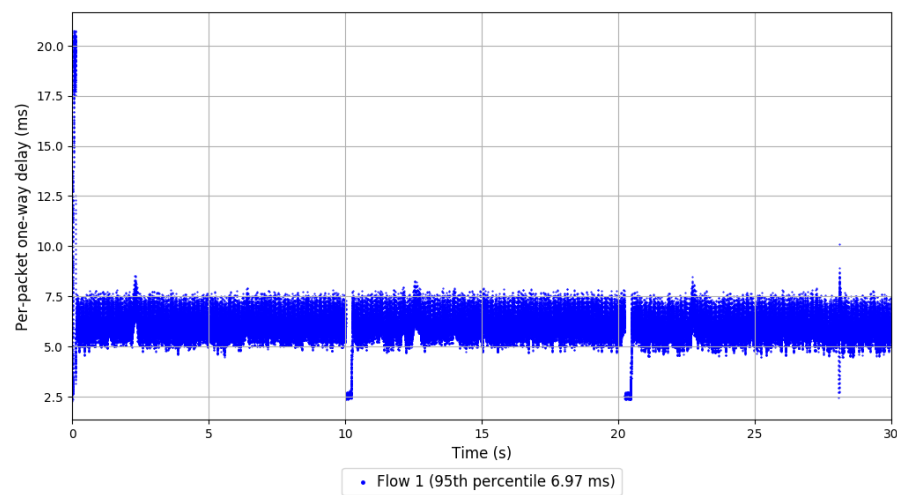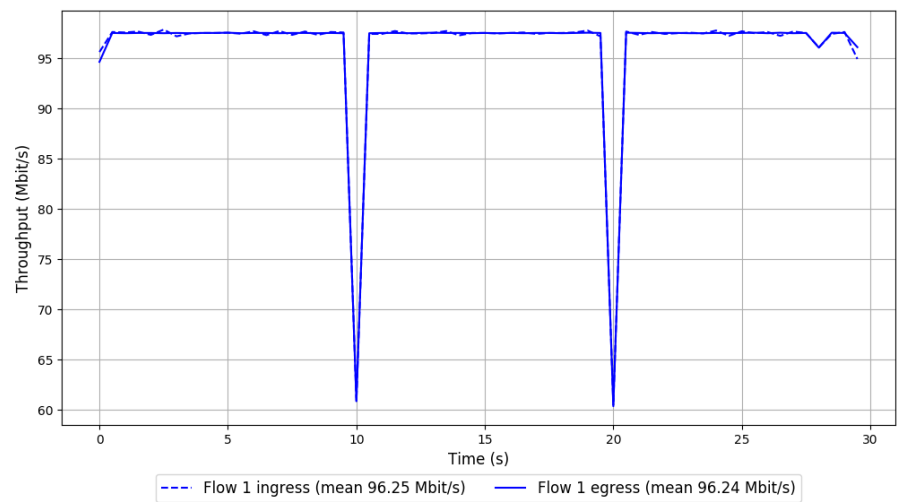
Run 4: Report of TCP BBR — Data Link

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

Flow 1 (95th percentile -13.49 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-02-13 02:36:58
End at: 2018-02-13 02:37:28
Local clock offset: -4.683 ms
Remote clock offset: -4.74 ms


# Below is generated by plot.py at 2018-02-13 04:56:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 6.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 6.807 ms
Loss rate: 0.00%
```

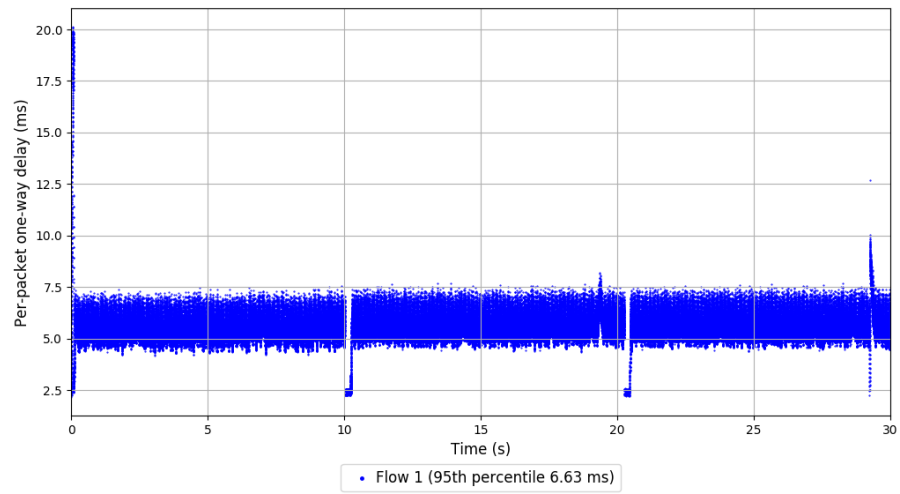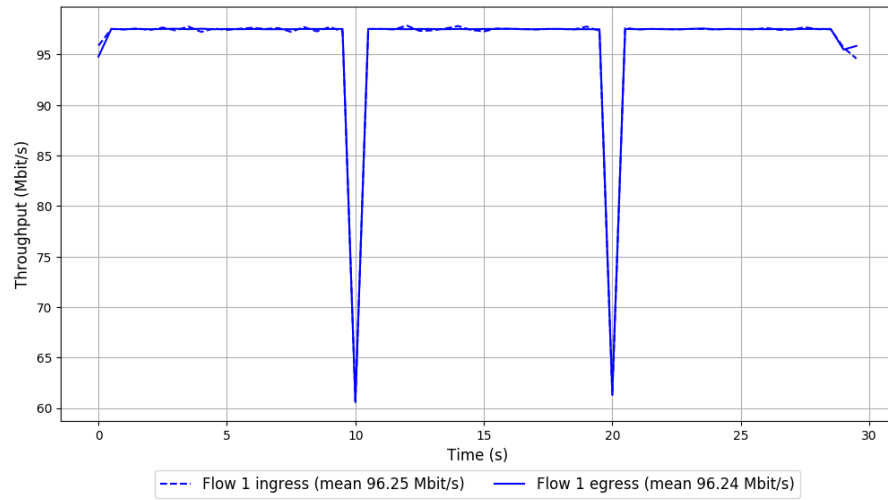# Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.26 Mbit/s)   Flow 1 egress (mean 96.25 Mbit/s)

Flow 1 (95th percentile 6.81 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-02-13 02:57:13
End at: 2018-02-13 02:57:43
Local clock offset: -4.499 ms
Remote clock offset: -4.768 ms


# Below is generated by plot.py at 2018-02-13 04:56:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.972 ms
Loss rate: 0.00%
```

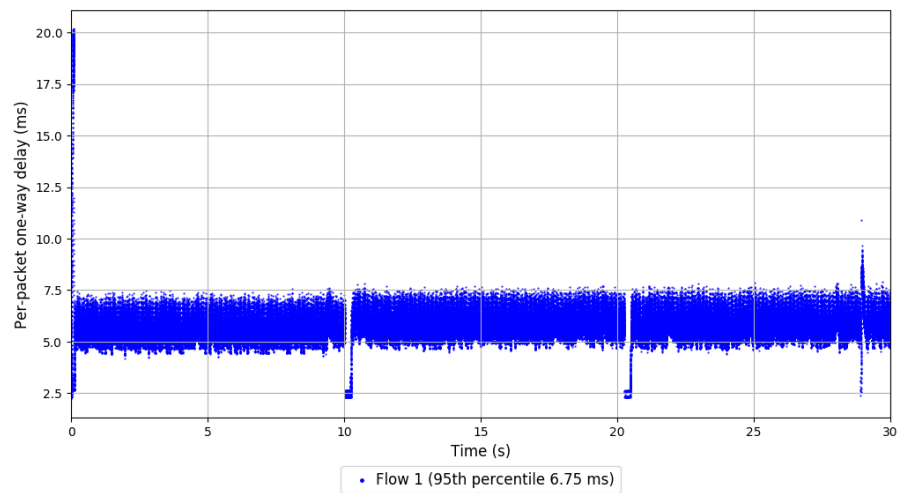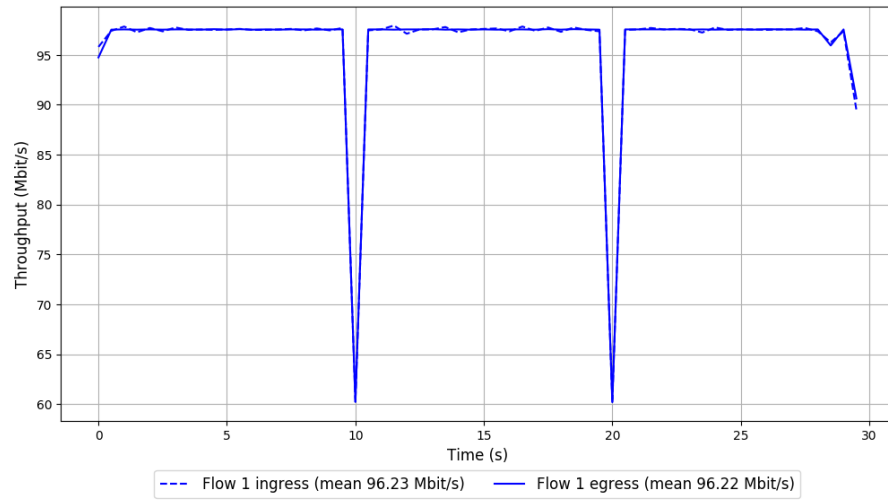Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: 2018-02-13 03:17:31
End at: 2018-02-13 03:18:01
Local clock offset: -5.257 ms
Remote clock offset: -5.093 ms


# Below is generated by plot.py at 2018-02-13 04:56:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.633 ms
Loss rate: 0.00%
```

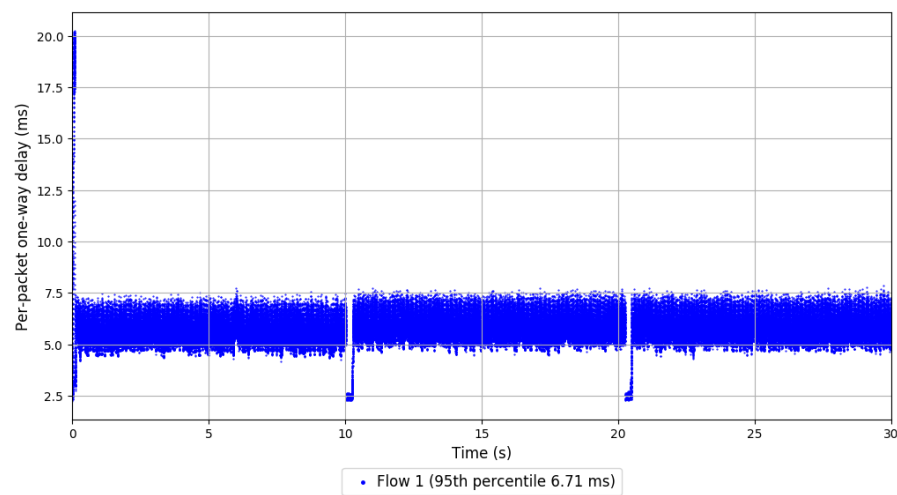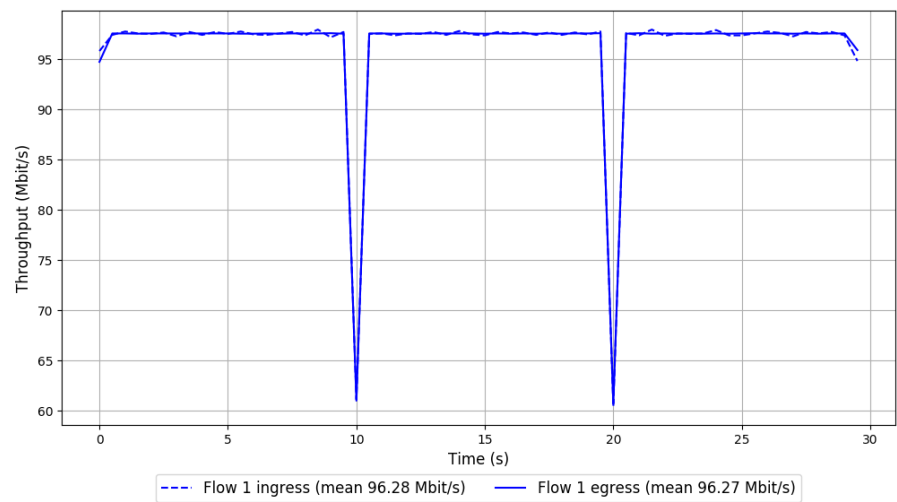Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2018-02-13 03:37:50
End at: 2018-02-13 03:38:20
Local clock offset: -5.548 ms
Remote clock offset: -4.894 ms


# Below is generated by plot.py at 2018-02-13 04:56:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 6.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 6.746 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.23 Mbit/s)   Flow 1 egress (mean 96.22 Mbit/s)

Flow 1 (95th percentile 6.75 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-02-13 03:58:11
End at: 2018-02-13 03:58:41
Local clock offset: -5.595 ms
Remote clock offset: -4.886 ms


# Below is generated by plot.py at 2018-02-13 04:58:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.713 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 6.713 ms
Loss rate: 0.00%
```
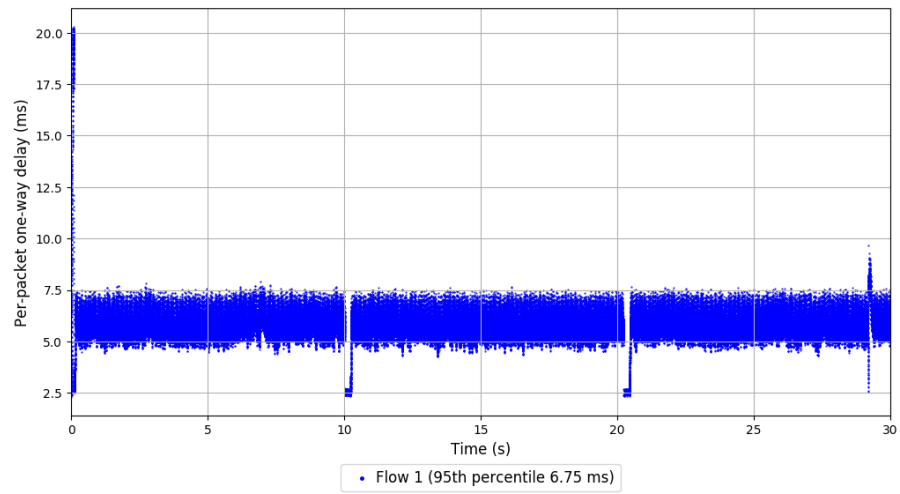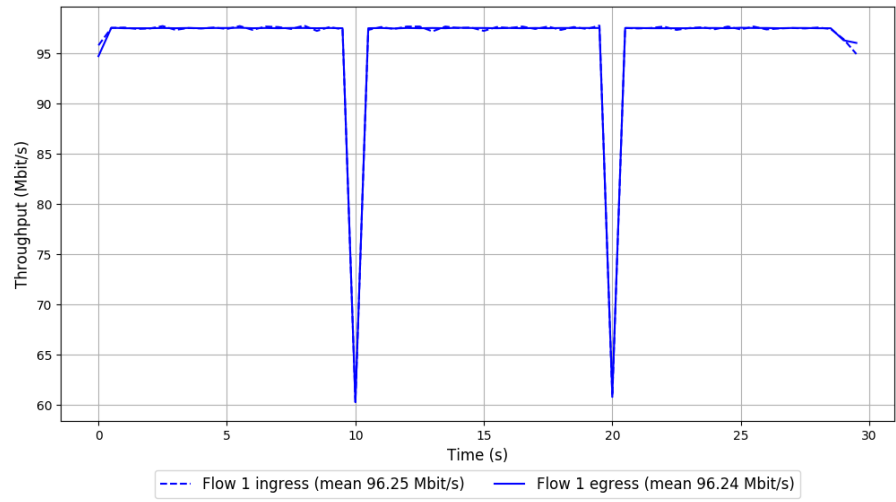
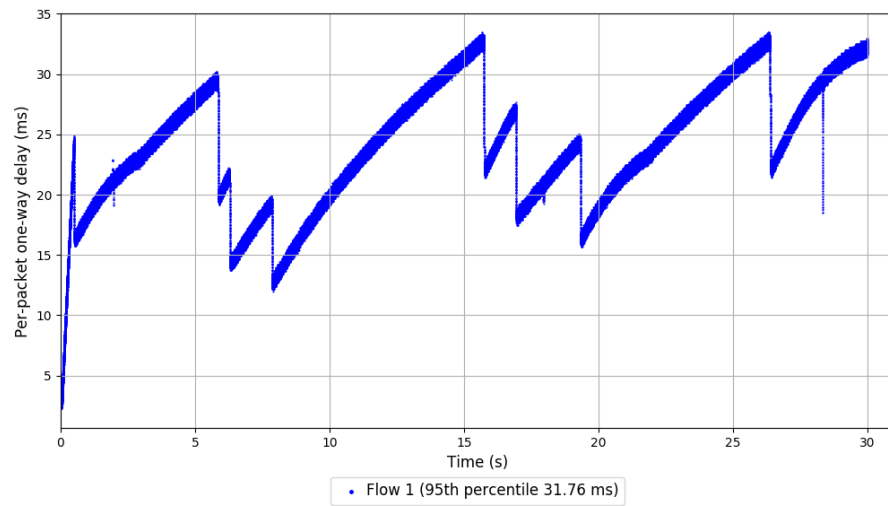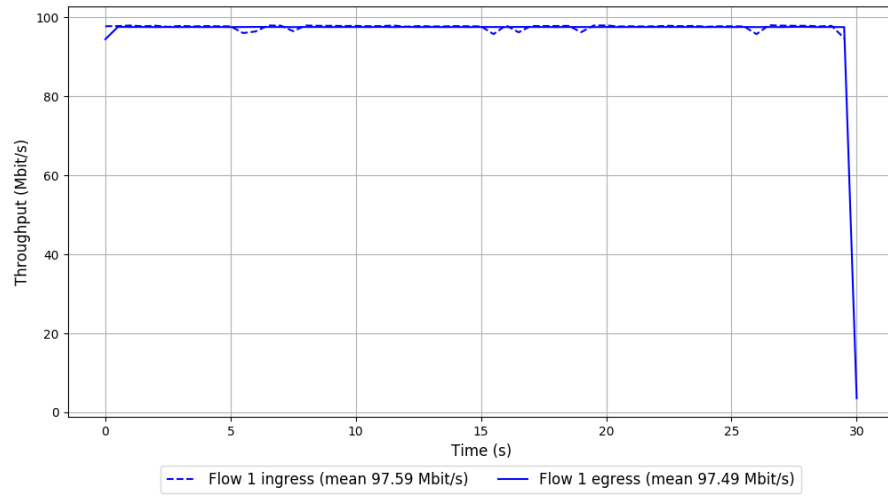Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.28 Mbit/s)   Flow 1 egress (mean 96.27 Mbit/s)

Flow 1 (95th percentile 6.71 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-02-13 04:18:32
End at: 2018-02-13 04:19:02
Local clock offset: -4.877 ms
Remote clock offset: -5.057 ms


# Below is generated by plot.py at 2018-02-13 04:58:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.752 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 6.752 ms
Loss rate: 0.00%
```

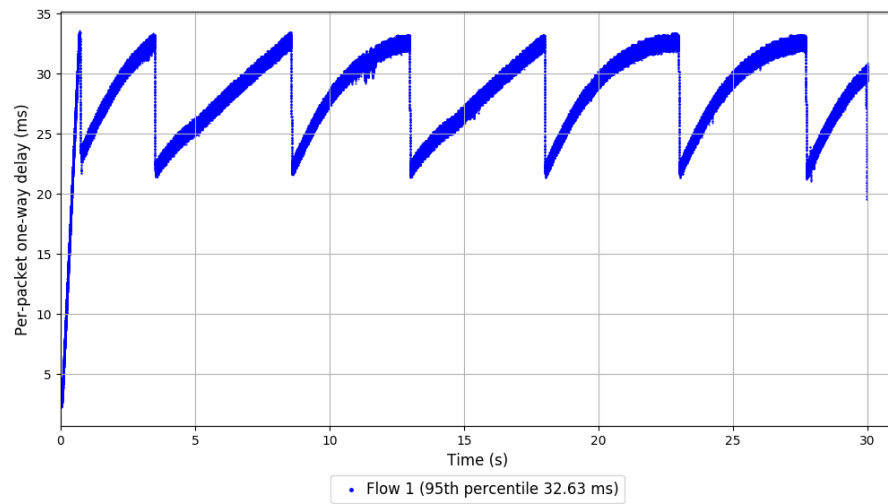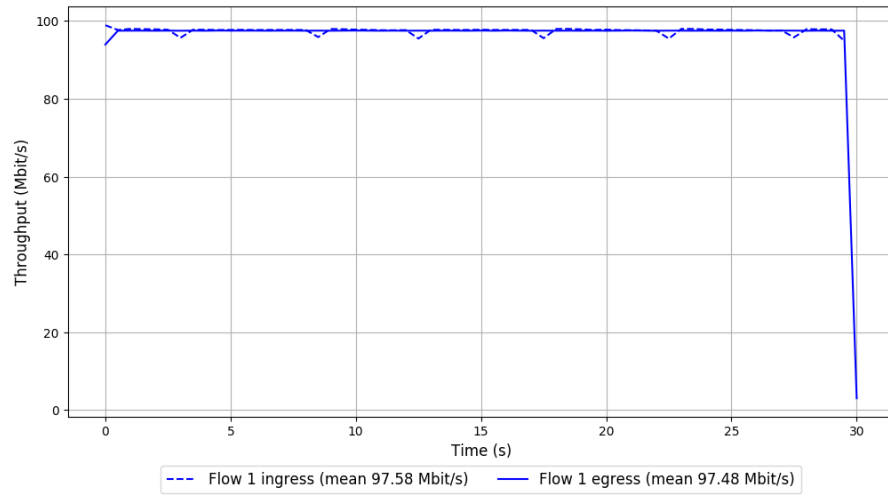Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2018-02-13 01:23:34
End at: 2018-02-13 01:24:04
Local clock offset: -5.193 ms
Remote clock offset: -5.076 ms


# Below is generated by plot.py at 2018-02-13 04:58:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 31.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 31.762 ms
Loss rate: 0.00%
```
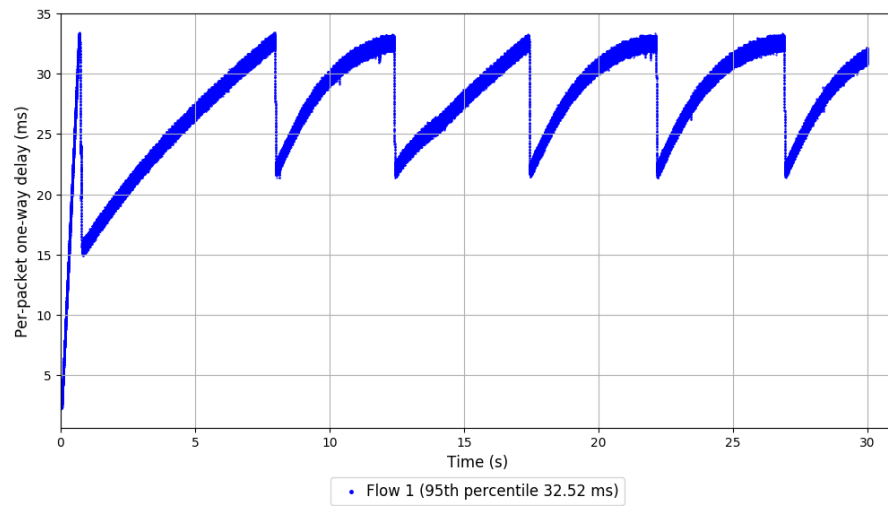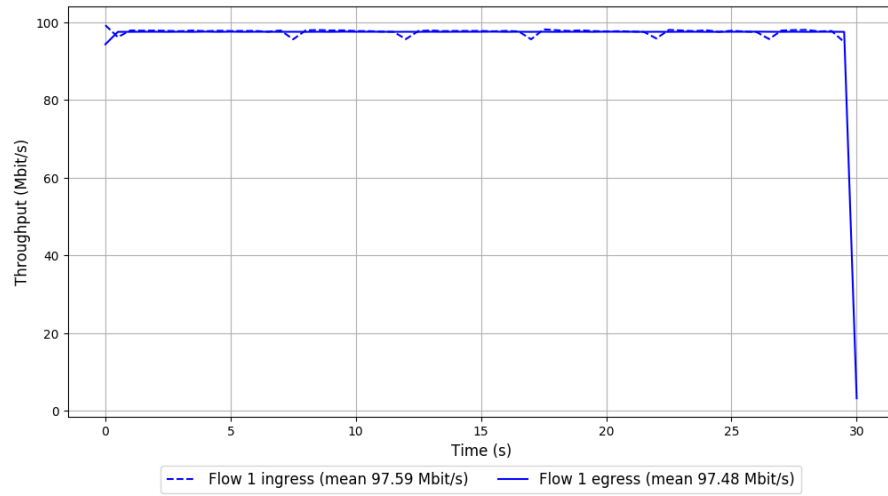
Run 1: Report of TCP Cubic — Data Link

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

Flow 1 (95th percentile 31.76 ms)

```
Run 2: Statistics of TCP Cubic

Start at: 2018-02-13 01:43:47
End at: 2018-02-13 01:44:17
Local clock offset: -5.332 ms
Remote clock offset: -5.312 ms


# Below is generated by plot.py at 2018-02-13 04:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.633 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.633 ms
Loss rate: 0.01%
```
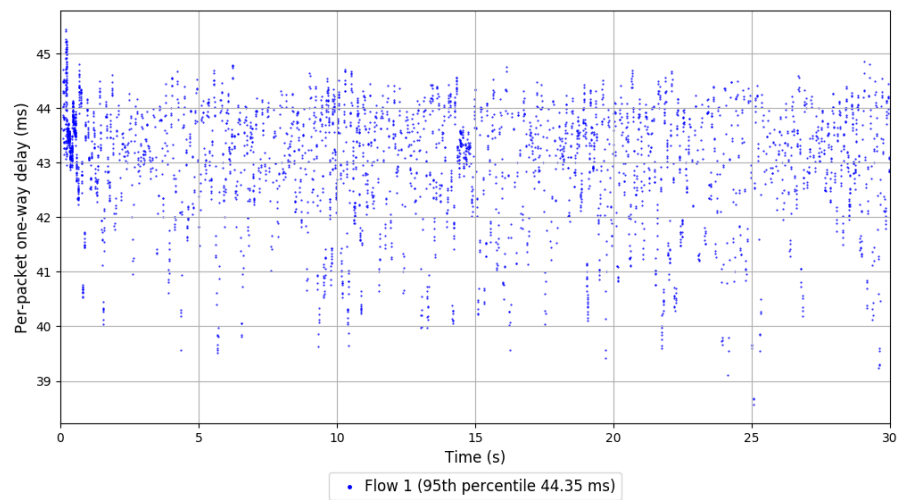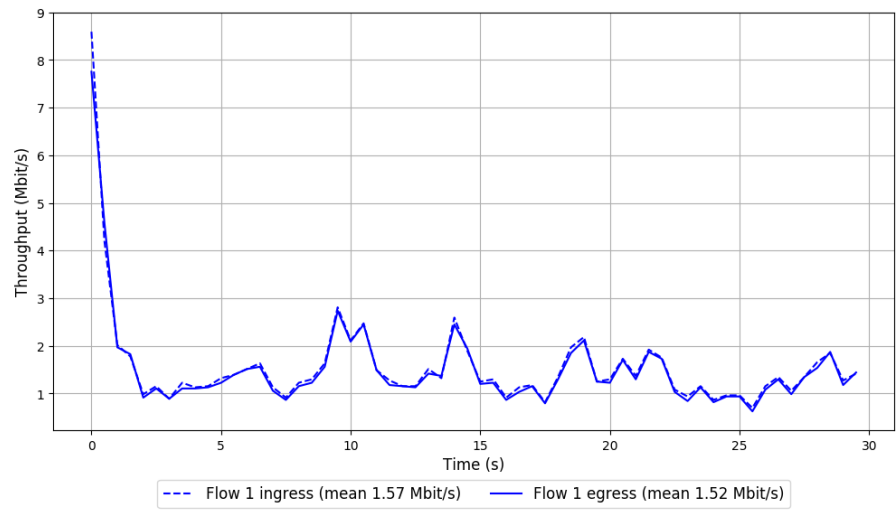
Run 2: Report of TCP Cubic — Data Link

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

Flow 1 (95th percentile 32.63 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2018-02-13 02:04:09
End at: 2018-02-13 02:04:39
Local clock offset: -4.959 ms
Remote clock offset: -4.933 ms


# Below is generated by plot.py at 2018-02-13 04:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.524 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.524 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Cubic — Data Link

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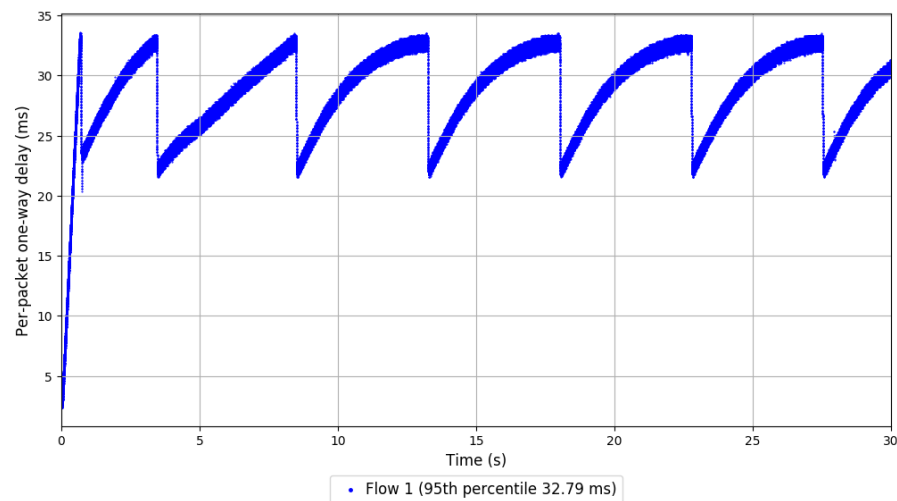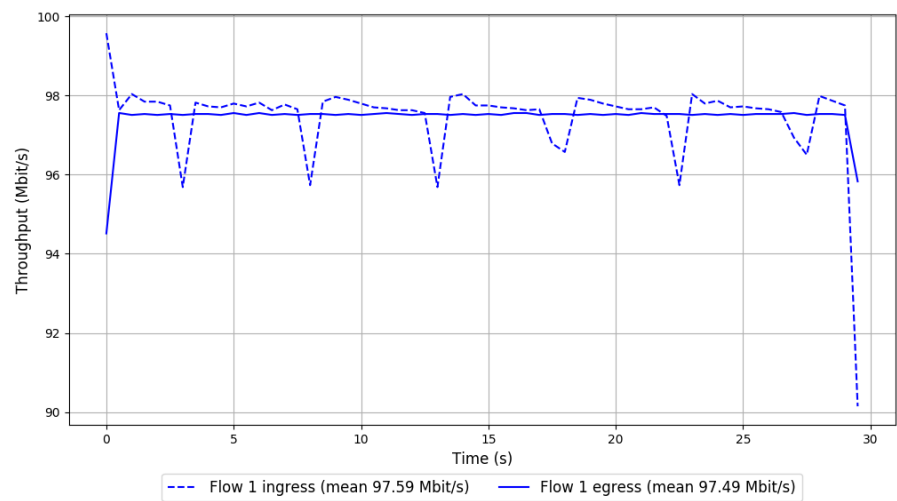

Flow 1 (95th percentile 32.52 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-02-13 02:24:32
End at: 2018-02-13 02:25:02
Local clock offset: -4.74 ms
Remote clock offset: -4.758 ms


# Below is generated by plot.py at 2018-02-13 04:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 44.348 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 44.348 ms
Loss rate: 3.32%
```

Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2018-02-13 02:44:42
End at: 2018-02-13 02:45:12
Local clock offset: -4.629 ms
Remote clock offset: -4.728 ms


# Below is generated by plot.py at 2018-02-13 04:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.790 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.790 ms
Loss rate: 0.01%
```
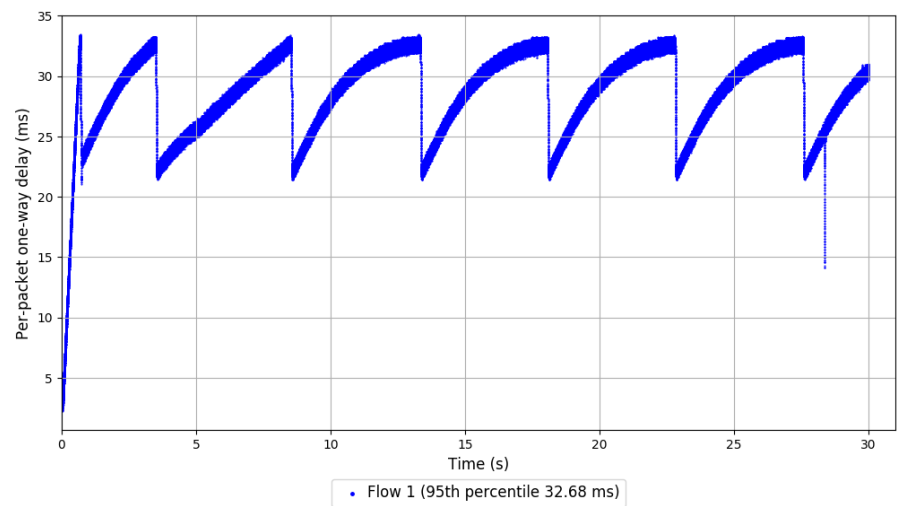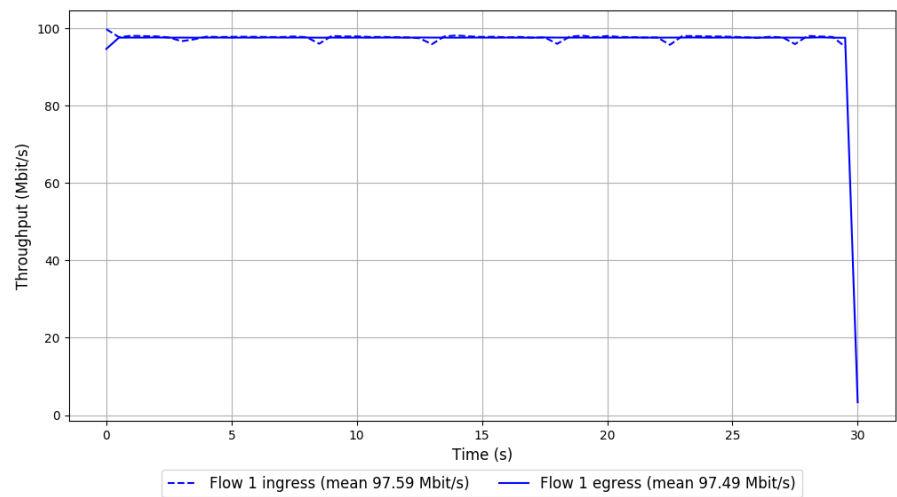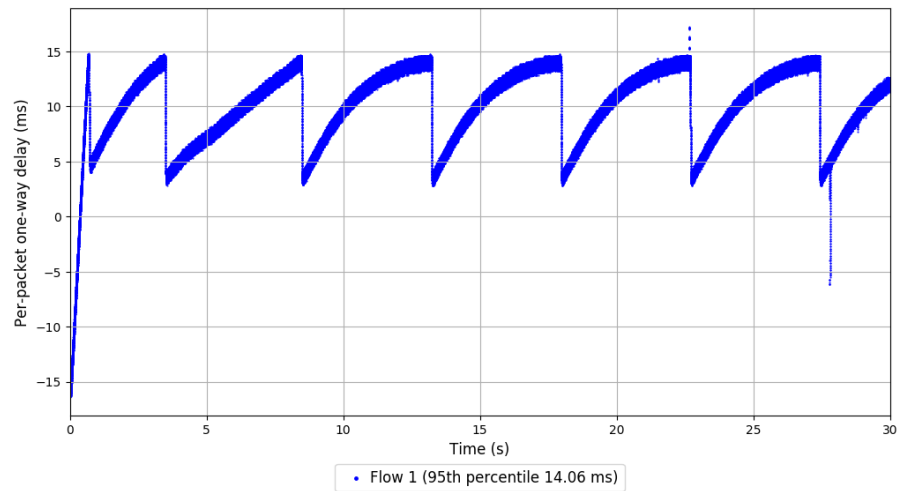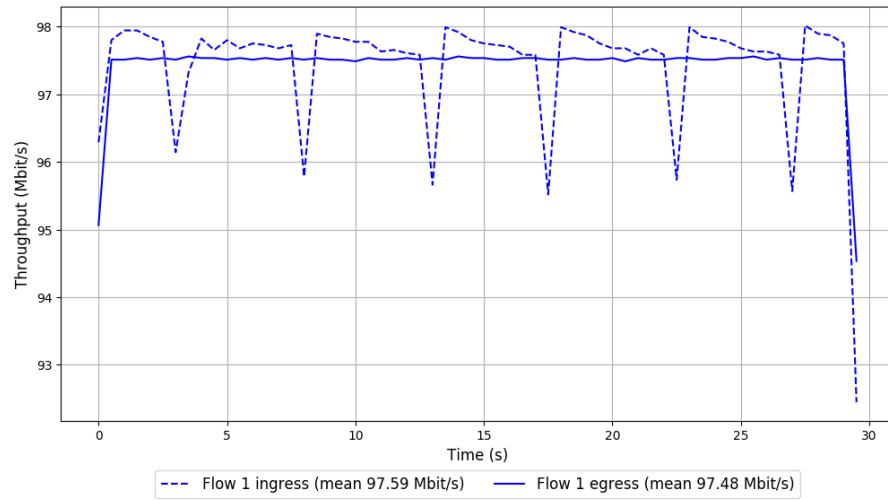
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2018-02-13 03:05:04
End at: 2018-02-13 03:05:34
Local clock offset: -4.696 ms
Remote clock offset: -4.93 ms


# Below is generated by plot.py at 2018-02-13 04:58:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.684 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.684 ms
Loss rate: 0.01%
```
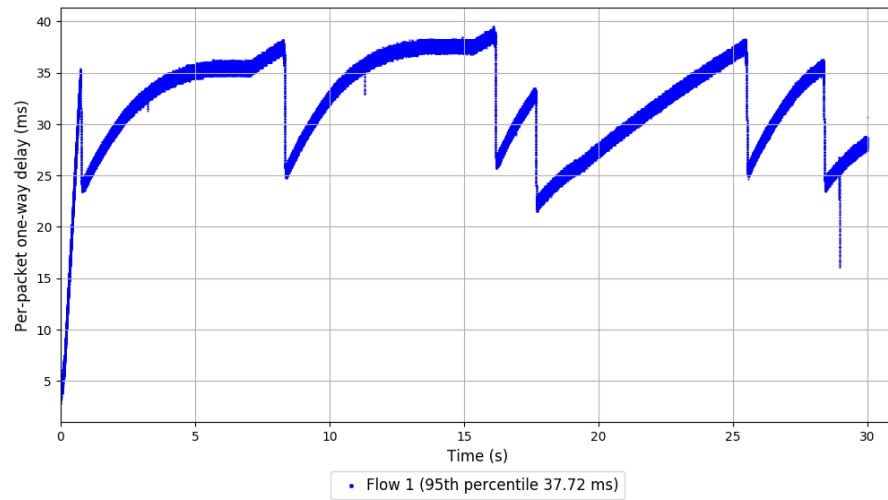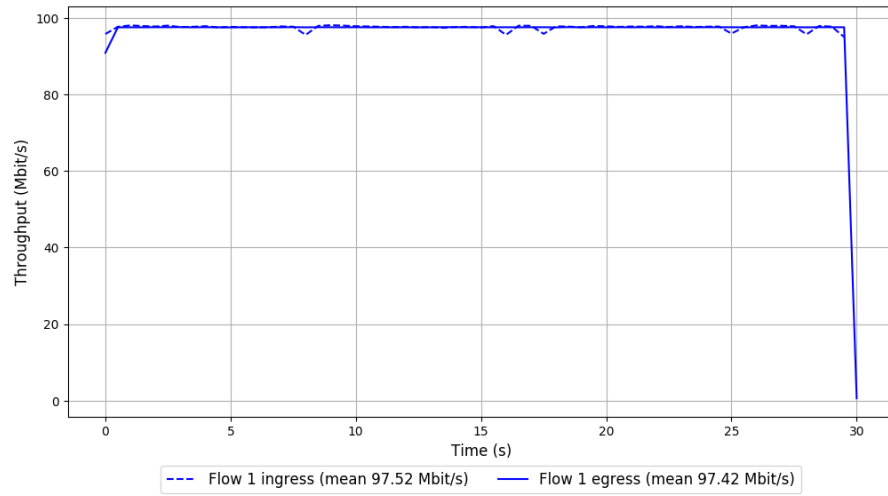
Run 6: Report of TCP Cubic — Data Link

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

Flow 1 (95th percentile 32.68 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-02-13 03:25:18
End at: 2018-02-13 03:25:48
Local clock offset: -5.443 ms
Remote clock offset: -23.705 ms


# Below is generated by plot.py at 2018-02-13 04:58:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.058 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 14.058 ms
Loss rate: 0.01%
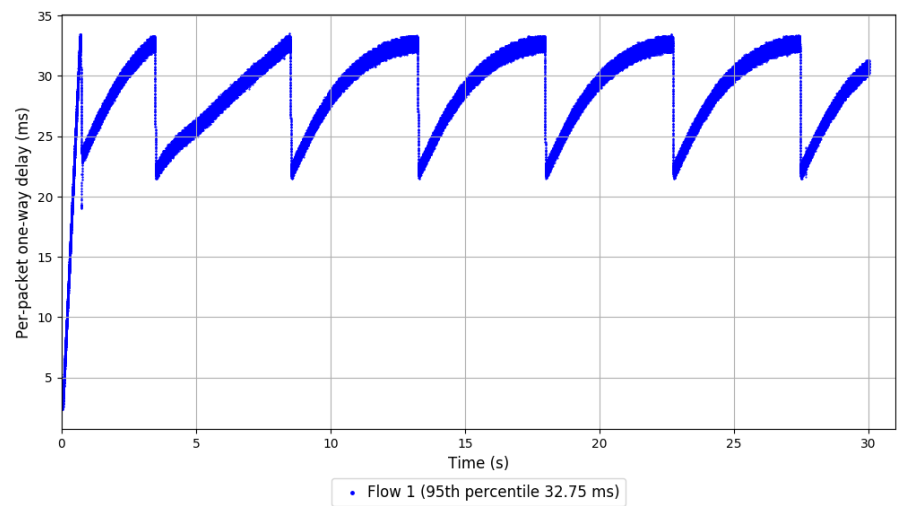```
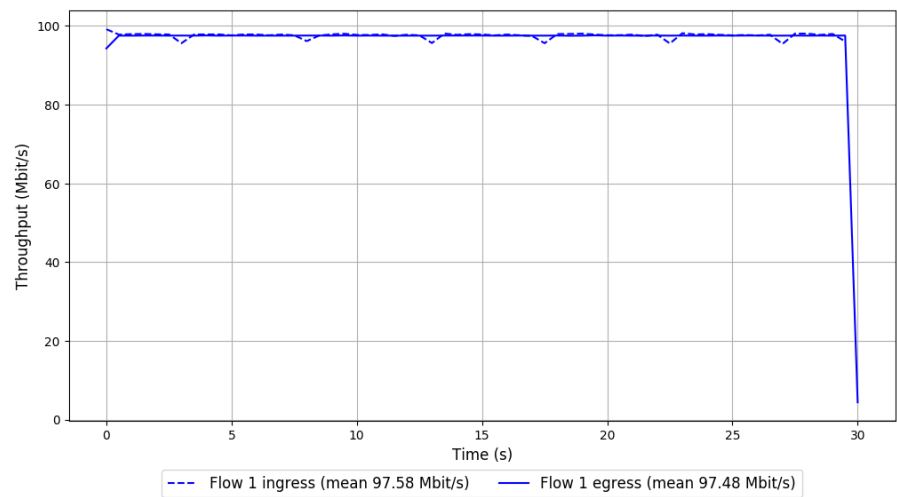
Run 7: Report of TCP Cubic — Data Link



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



Flow 1 (95th percentile 14.06 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-02-13 03:45:41
End at: 2018-02-13 03:46:11
Local clock offset: -5.468 ms
Remote clock offset: -4.835 ms


# Below is generated by plot.py at 2018-02-13 04:59:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 37.722 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 37.722 ms
Loss rate: 0.05%
```

Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2018-02-13 04:06:02
End at: 2018-02-13 04:06:32
Local clock offset: -5.603 ms
Remote clock offset: -4.886 ms


# Below is generated by plot.py at 2018-02-13 04:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.749 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.749 ms
Loss rate: 0.01%
```
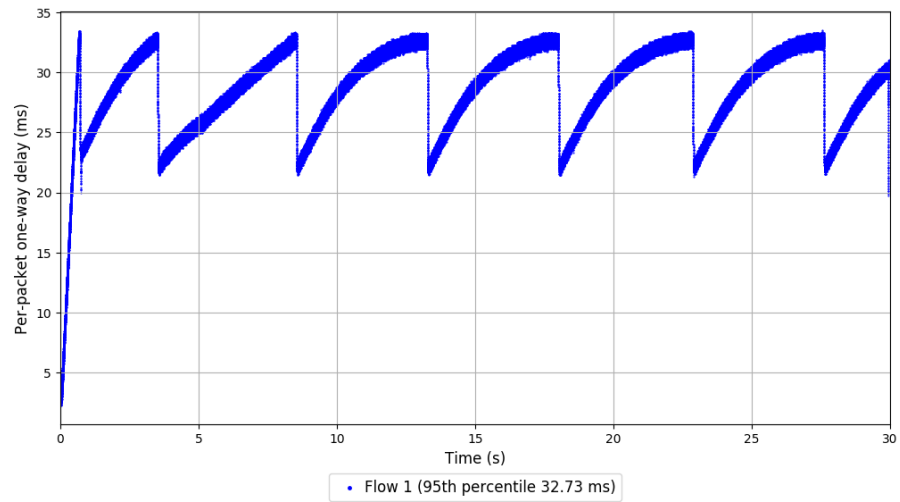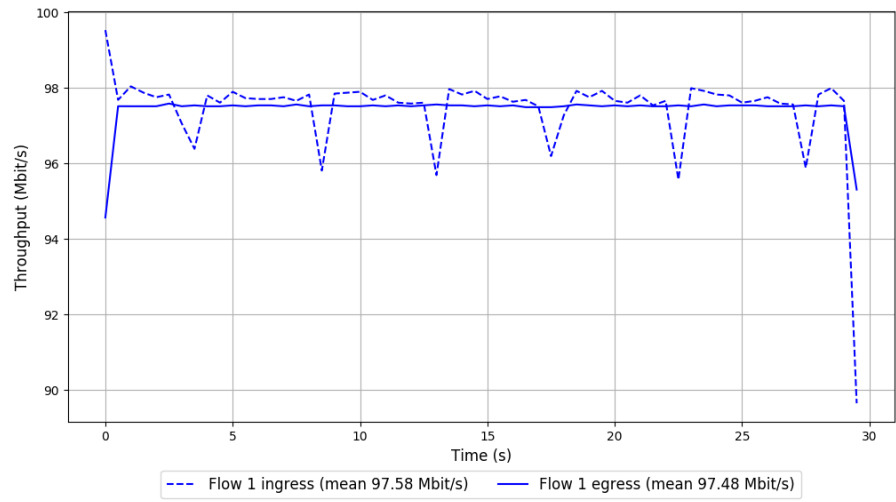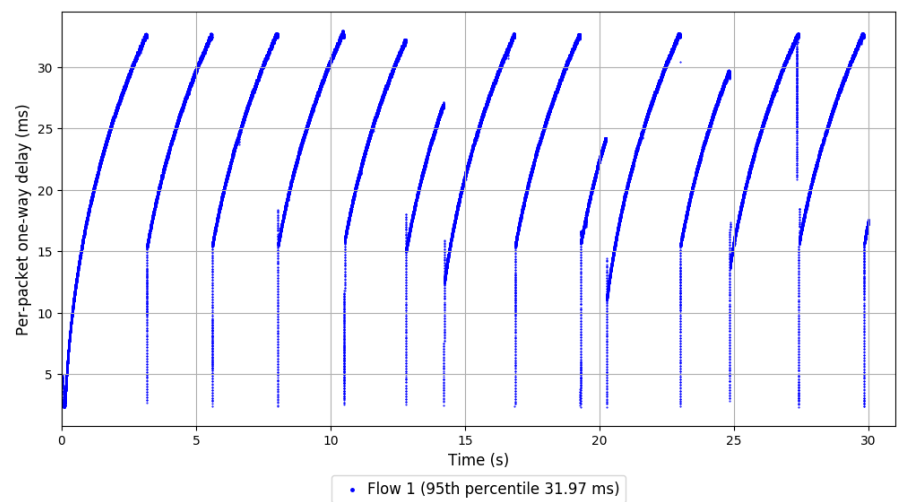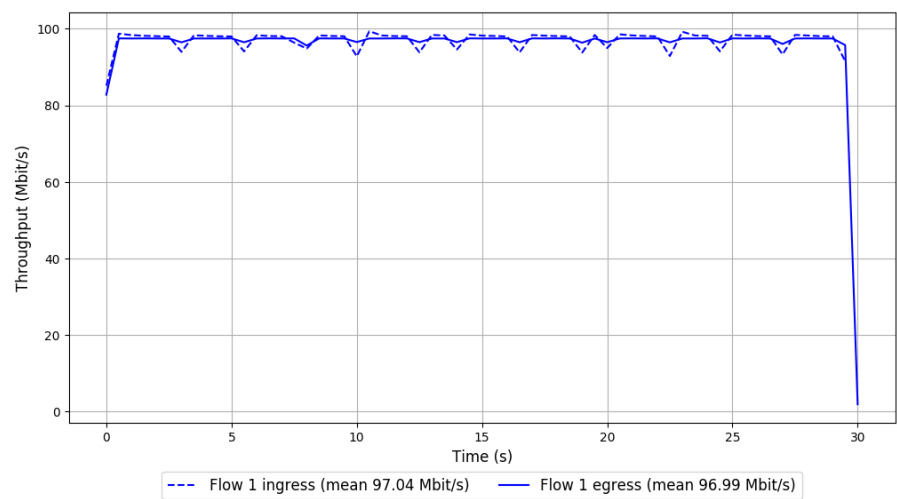
Run 9: Report of TCP Cubic — Data Link

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

Flow 1 (95th percentile 32.75 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-02-13 04:26:22
End at: 2018-02-13 04:26:52
Local clock offset: -4.539 ms
Remote clock offset: -5.12 ms


# Below is generated by plot.py at 2018-02-13 04:59:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.734 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.734 ms
Loss rate: 0.01%
```
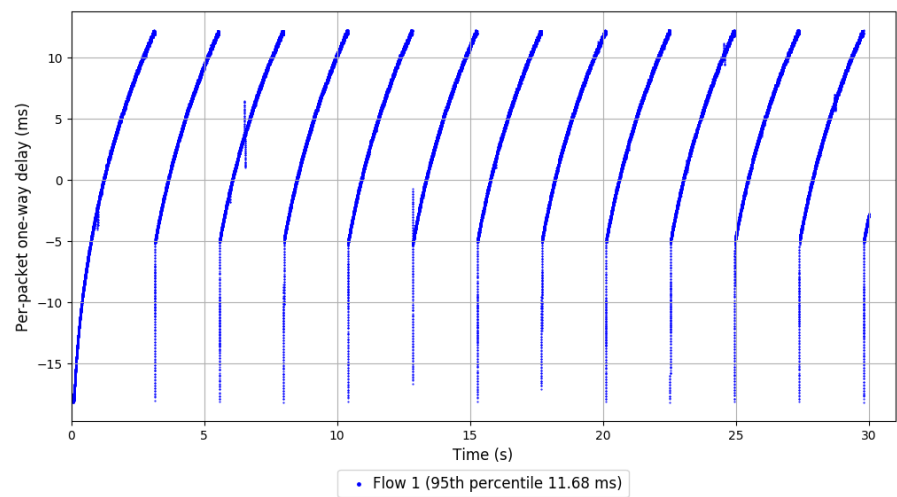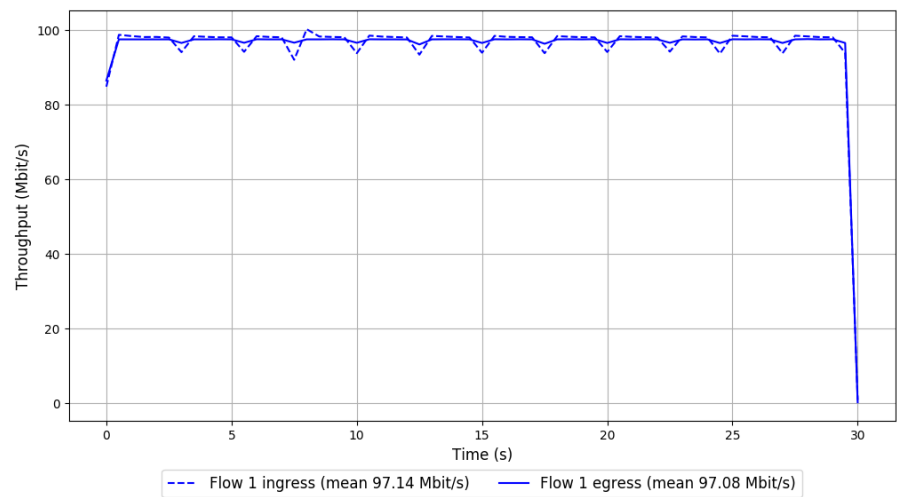
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2018-02-13 01:06:46
End at: 2018-02-13 01:07:16
Local clock offset: -5.178 ms
Remote clock offset: -4.929 ms


# Below is generated by plot.py at 2018-02-13 04:59:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 31.969 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 31.969 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2018-02-13 01:26:56
End at: 2018-02-13 01:27:26
Local clock offset: -5.253 ms
Remote clock offset: -25.628 ms


# Below is generated by plot.py at 2018-02-13 04:59:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 11.681 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 11.681 ms
Loss rate: 0.01%
```
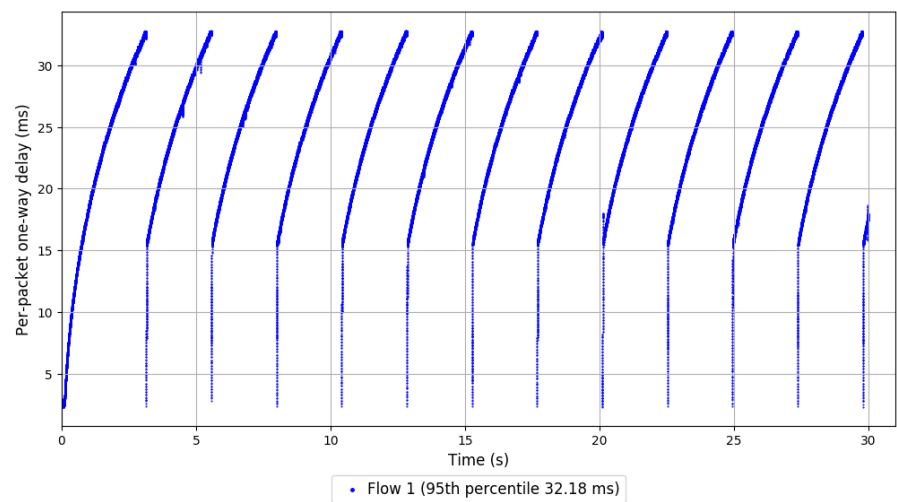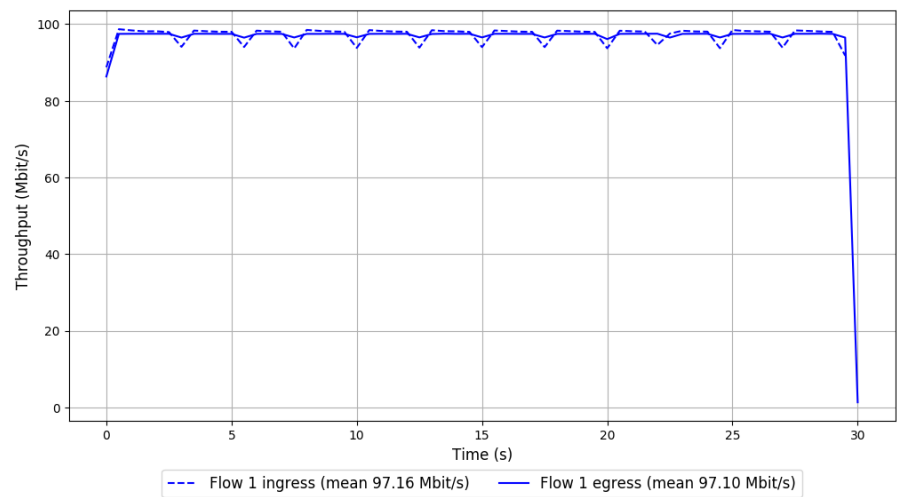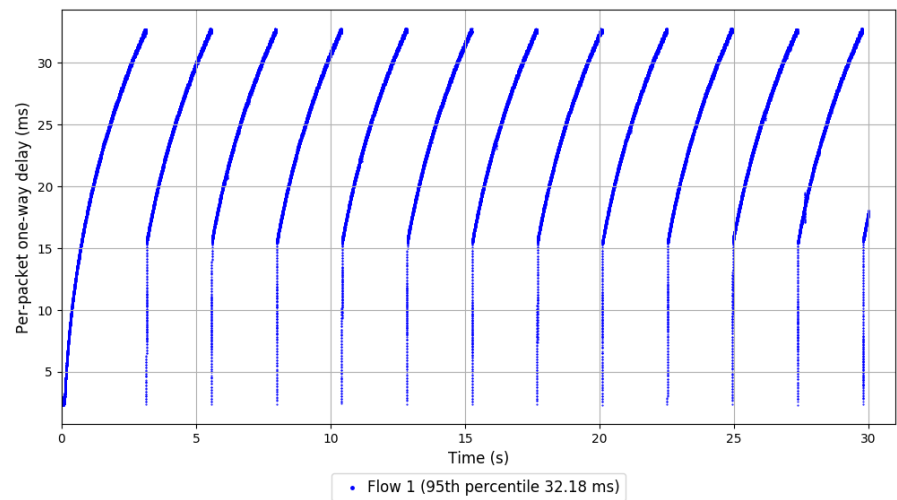
Run 2: Report of LEDBAT — Data Link

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

• Flow 1 (95th percentile 11.68 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2018-02-13 01:47:10
End at: 2018-02-13 01:47:40
Local clock offset: -5.334 ms
Remote clock offset: -5.19 ms

# Below is generated by plot.py at 2018-02-13 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.182 ms
Loss rate: 0.01%
```

Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.16 Mbit/s)   Flow 1 egress (mean 97.10 Mbit/s)

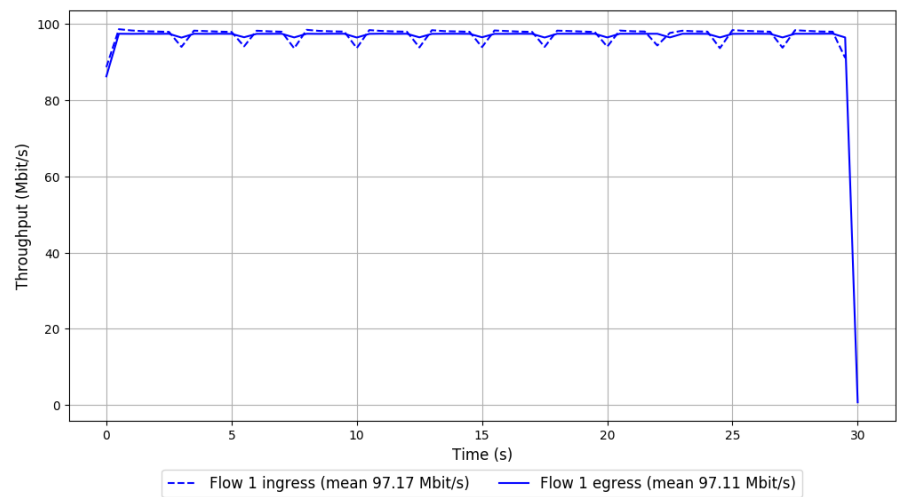• Flow 1 (95th percentile 32.18 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-02-13 02:07:33
End at: 2018-02-13 02:08:03
Local clock offset: -4.976 ms
Remote clock offset: -4.902 ms


# Below is generated by plot.py at 2018-02-13 04:59:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.176 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.176 ms
Loss rate: 0.01%
```
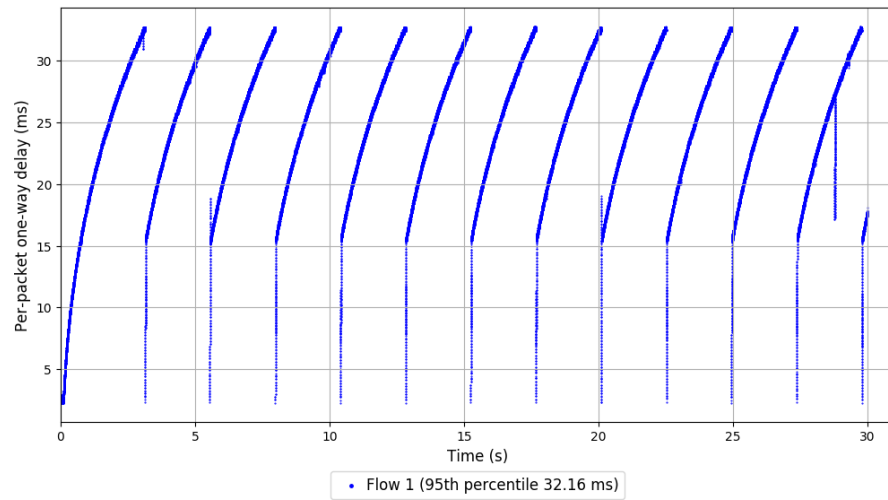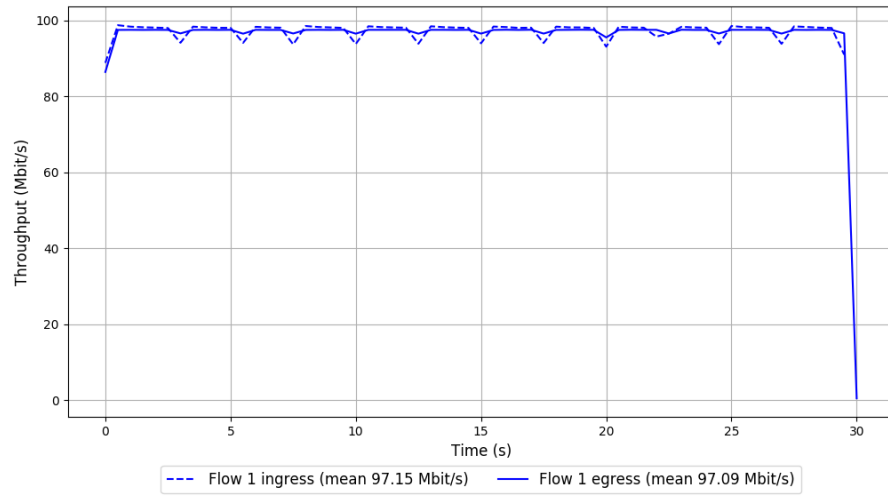
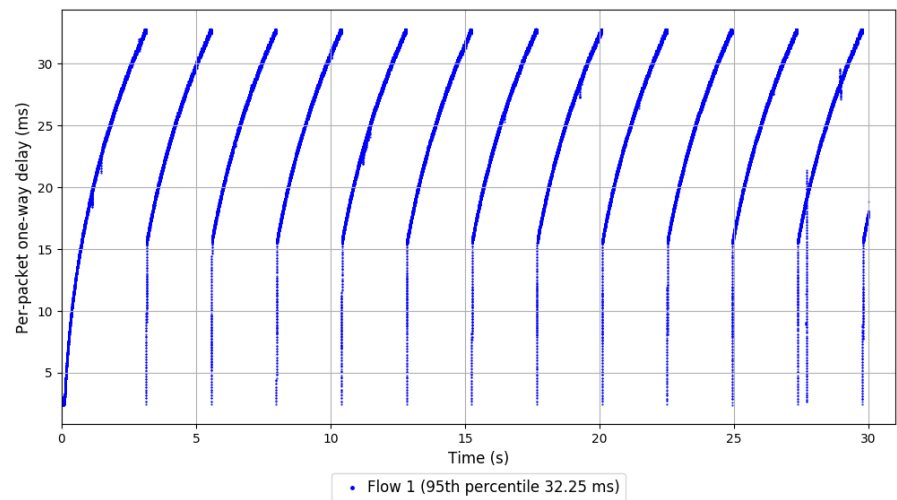Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2018-02-13 02:27:51
End at: 2018-02-13 02:28:21
Local clock offset: -4.671 ms
Remote clock offset: -4.76 ms


# Below is generated by plot.py at 2018-02-13 04:59:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.159 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.159 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.15 Mbit/s)   Flow 1 egress (mean 97.09 Mbit/s)

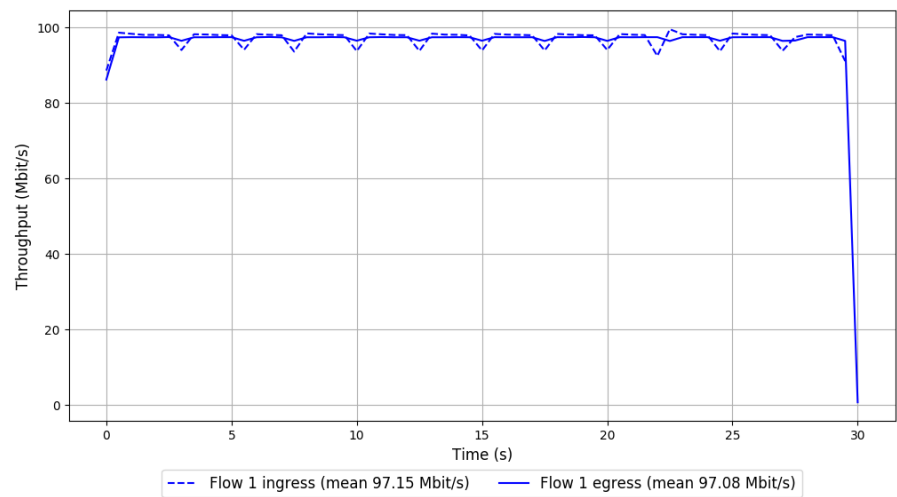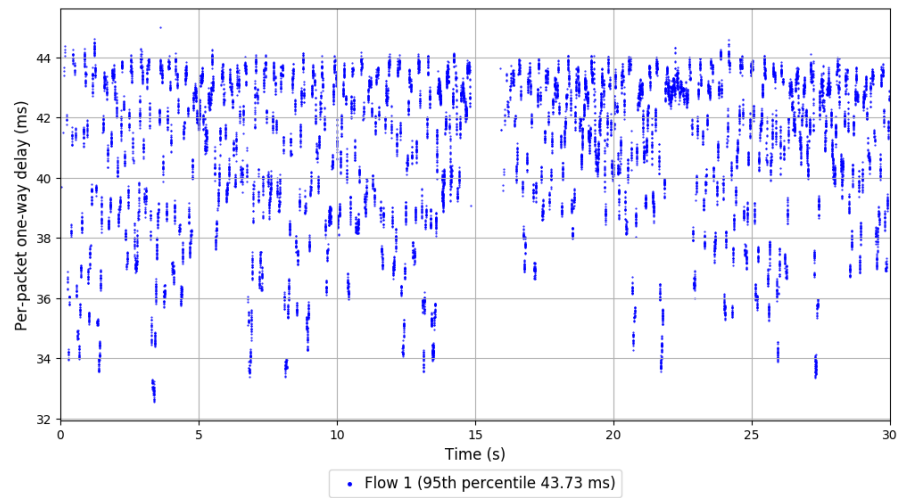Flow 1 (95th percentile 32.16 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-02-13 02:48:06
End at: 2018-02-13 02:48:36
Local clock offset: -4.596 ms
Remote clock offset: -4.713 ms


# Below is generated by plot.py at 2018-02-13 05:00:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.253 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.253 ms
Loss rate: 0.01%
```

Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.15 Mbit/s)   Flow 1 egress (mean 97.08 Mbit/s)

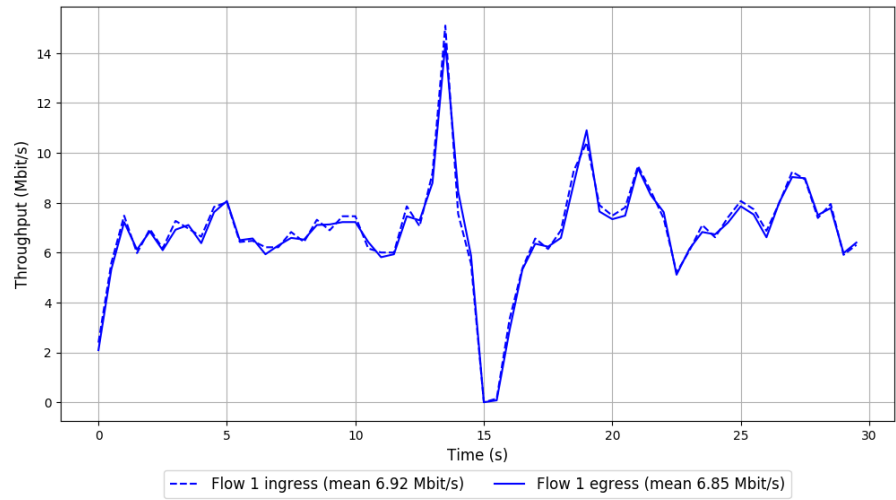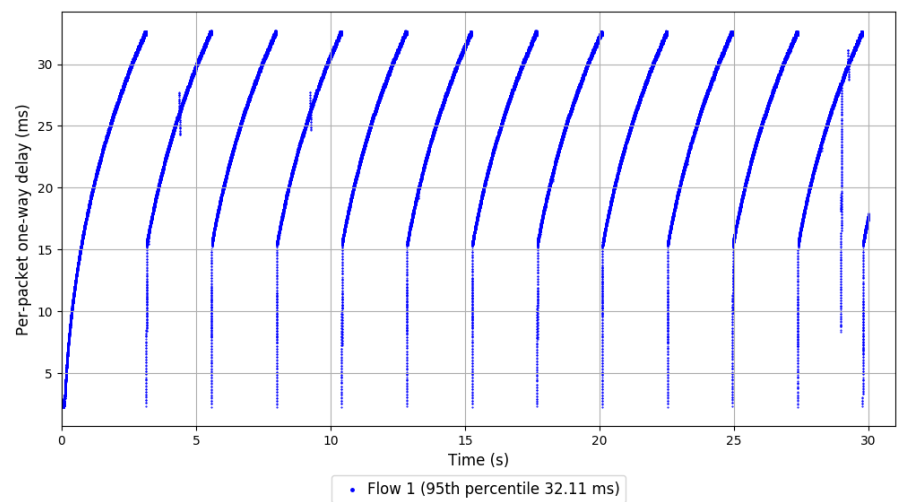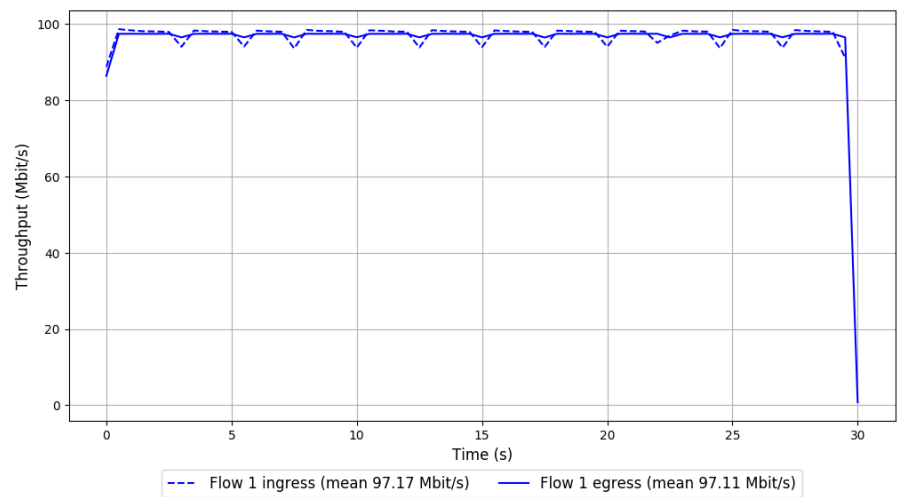Flow 1 (95th percentile 32.25 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-02-13 03:08:28
End at: 2018-02-13 03:08:58
Local clock offset: -4.892 ms
Remote clock offset: -4.976 ms


# Below is generated by plot.py at 2018-02-13 05:00:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 43.734 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 43.734 ms
Loss rate: 1.21%
```

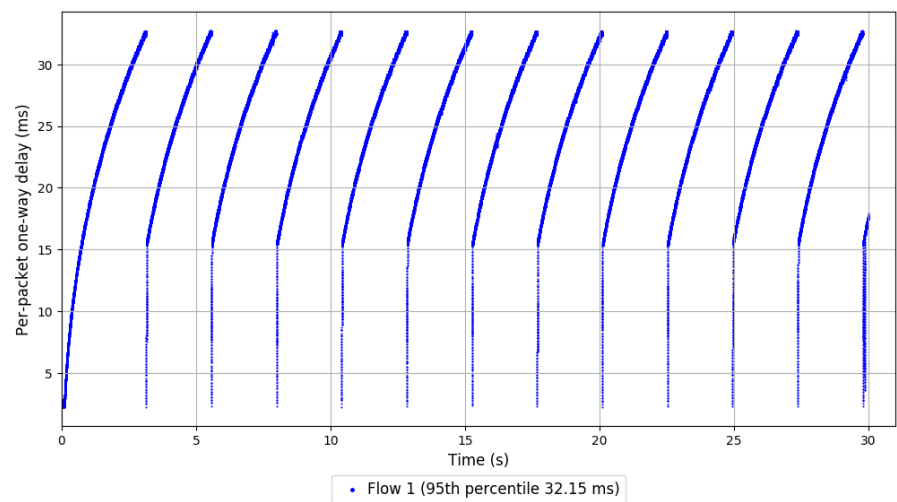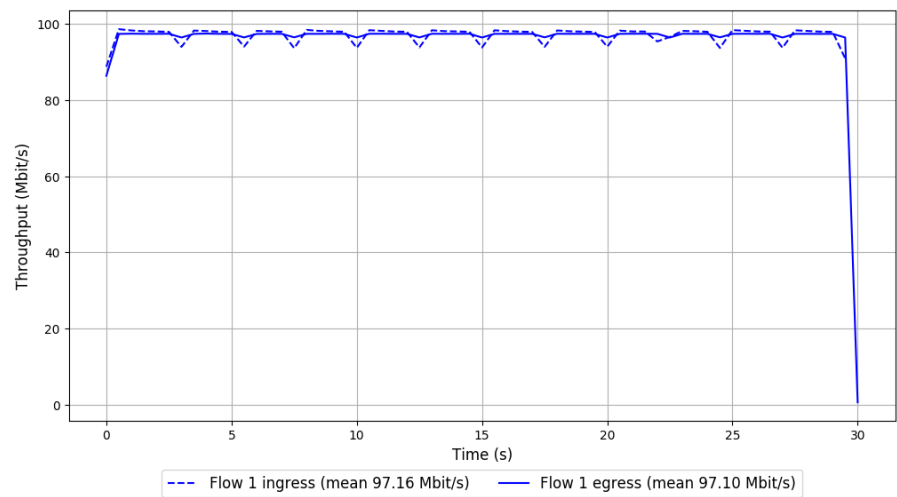Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 6.92 Mbit/s)   Flow 1 egress (mean 6.85 Mbit/s)

Flow 1 (95th percentile 43.73 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-02-13 03:28:42
End at: 2018-02-13 03:29:12
Local clock offset: -5.439 ms
Remote clock offset: -5.038 ms


# Below is generated by plot.py at 2018-02-13 05:01:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.112 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.112 ms
Loss rate: 0.01%
```

Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2018-02-13 03:49:05
End at: 2018-02-13 03:49:35
Local clock offset: -5.475 ms
Remote clock offset: -4.859 ms

# Below is generated by plot.py at 2018-02-13 05:01:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.145 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.145 ms
Loss rate: 0.01%
```
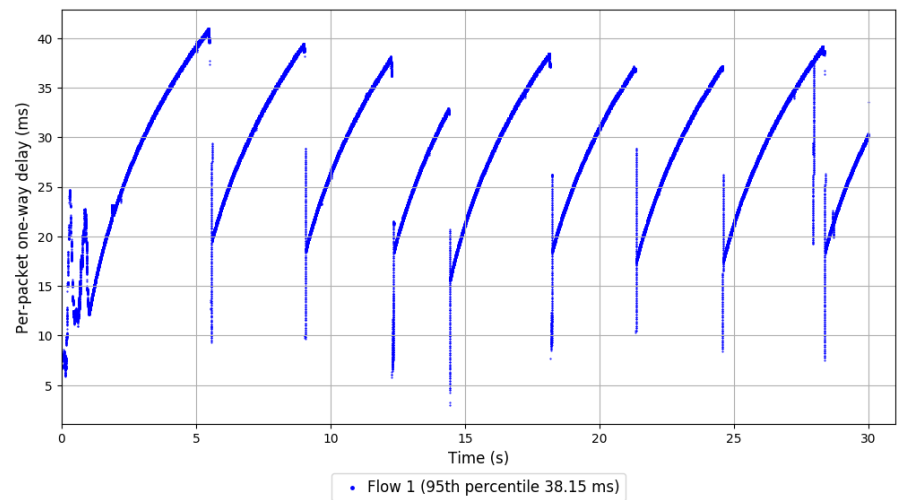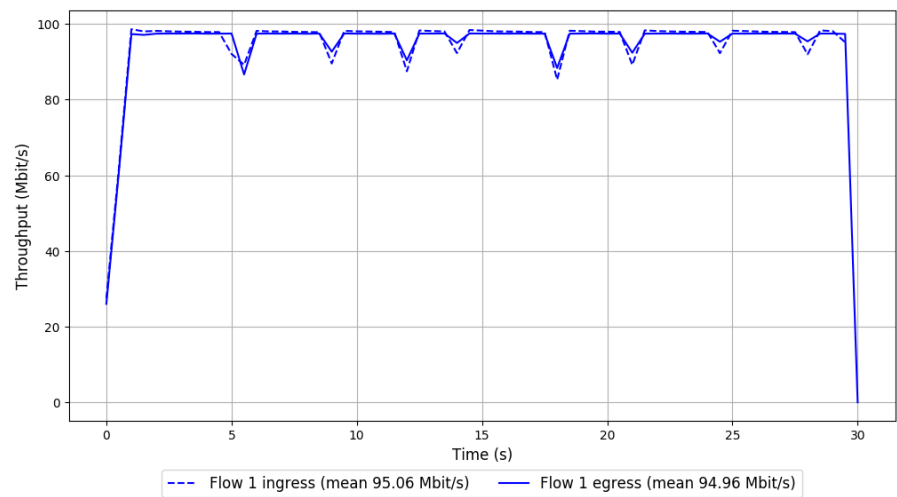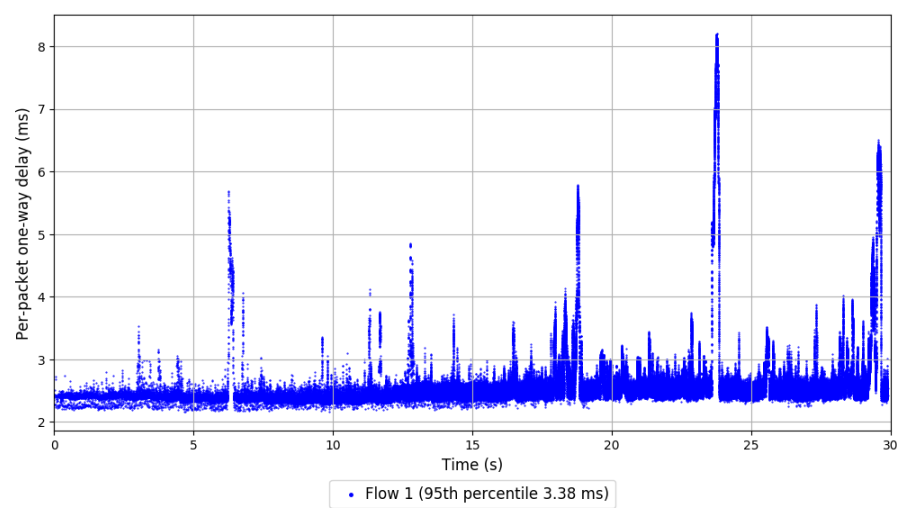
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 97.16 Mbit/s) Flow 1 egress (mean 97.10 Mbit/s)

Flow 1 (95th percentile 32.15 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2018-02-13 04:09:25
End at: 2018-02-13 04:09:55
Local clock offset: -5.599 ms
Remote clock offset: -5.03 ms


# Below is generated by plot.py at 2018-02-13 05:01:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 38.151 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 38.151 ms
Loss rate: 0.08%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 95.06 Mbit/s)   Flow 1 egress (mean 94.96 Mbit/s)

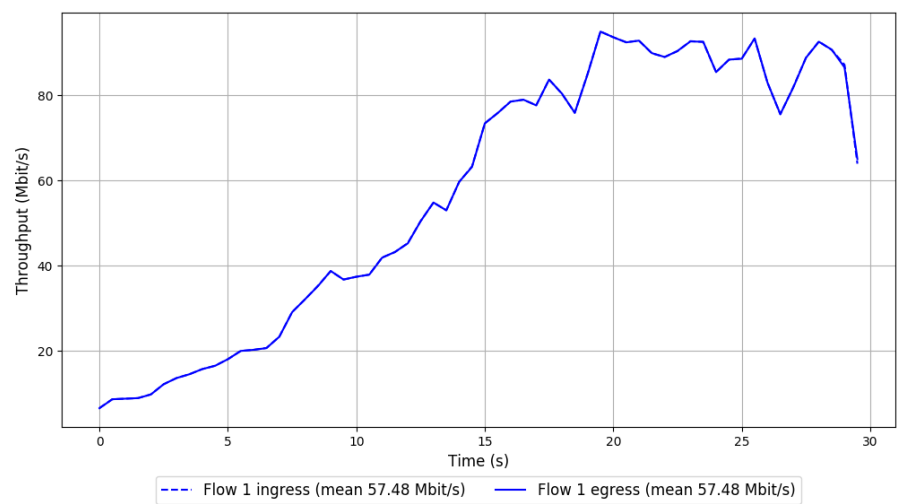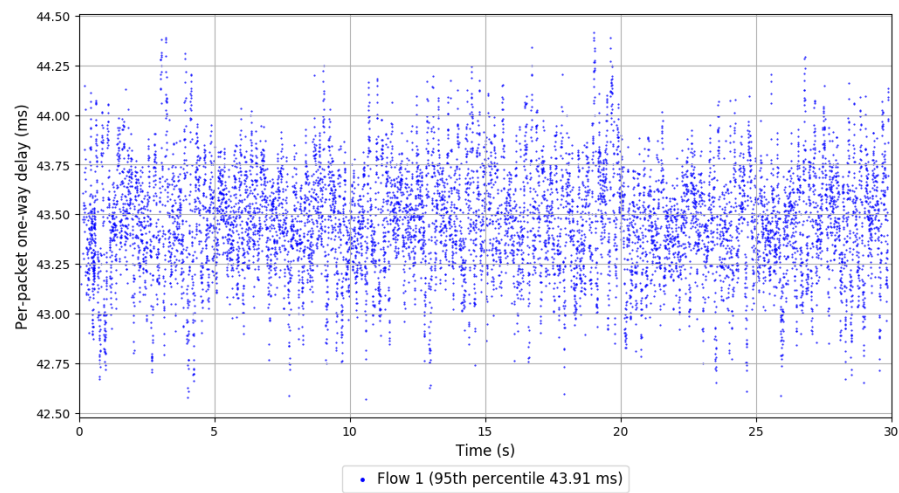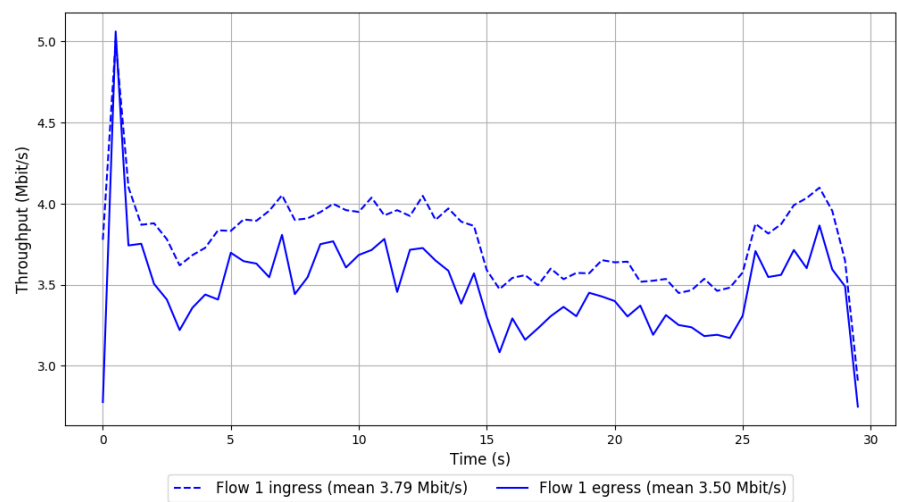• Flow 1 (95th percentile 38.15 ms)

```
Run 1: Statistics of PCC

Start at: 2018-02-13 01:05:40
End at: 2018-02-13 01:06:10
Local clock offset: -5.193 ms
Remote clock offset: -4.92 ms

# Below is generated by plot.py at 2018-02-13 05:01:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 3.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 3.385 ms
Loss rate: 0.00%
```

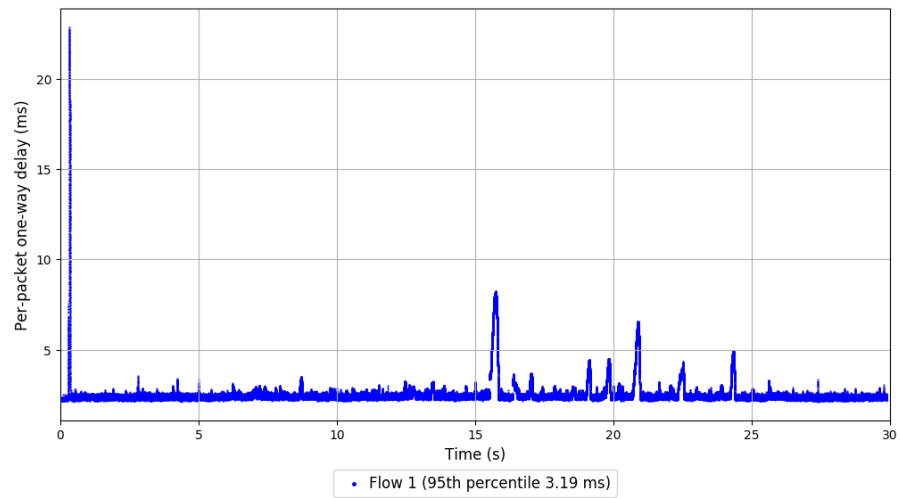Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2018-02-13 01:25:52
End at: 2018-02-13 01:26:22
Local clock offset: -5.234 ms
Remote clock offset: -5.177 ms


# Below is generated by plot.py at 2018-02-13 05:01:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 43.909 ms
Loss rate: 7.79%
-- Flow 1:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 43.909 ms
Loss rate: 7.79%
```

Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 3.79 Mbit/s)   Flow 1 egress (mean 3.50 Mbit/s)
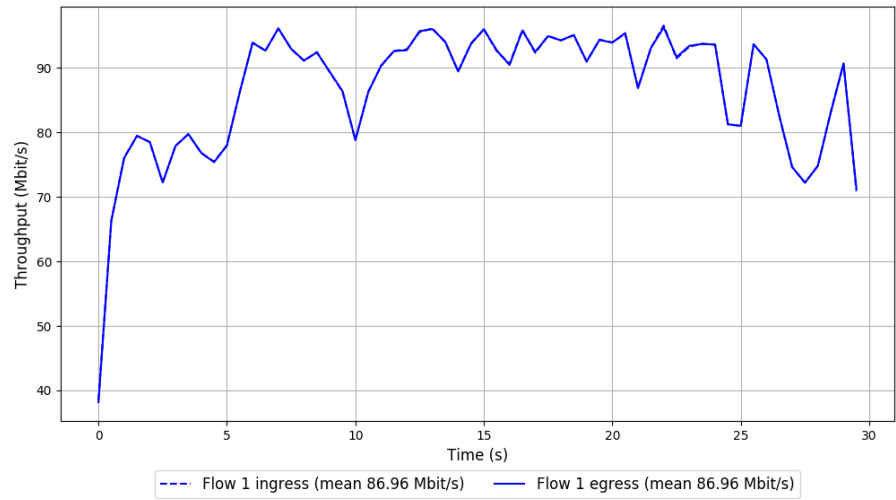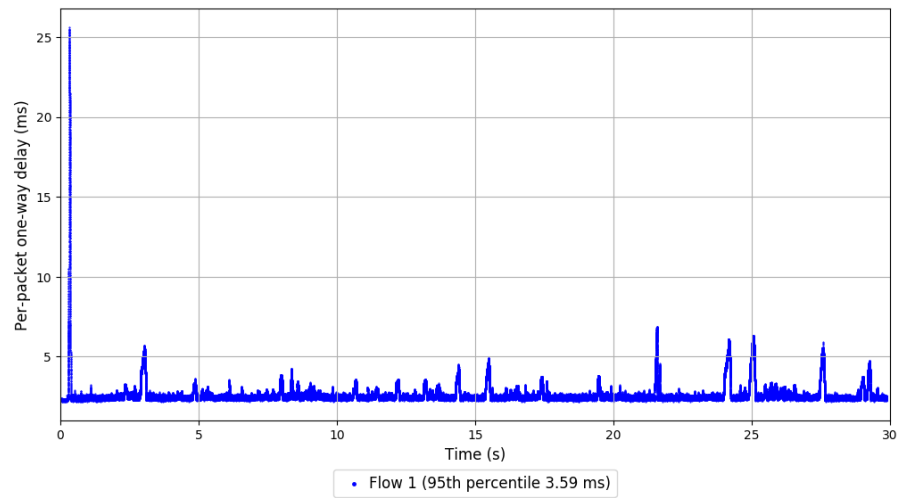

• Flow 1 (95th percentile 43.91 ms)

```
Run 3: Statistics of PCC

Start at: 2018-02-13 01:46:04
End at: 2018-02-13 01:46:34
Local clock offset: -5.346 ms
Remote clock offset: -5.351 ms


# Below is generated by plot.py at 2018-02-13 05:01:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 3.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 3.195 ms
Loss rate: 0.00%
```

Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 86.96 Mbit/s)   Flow 1 egress (mean 86.96 Mbit/s)
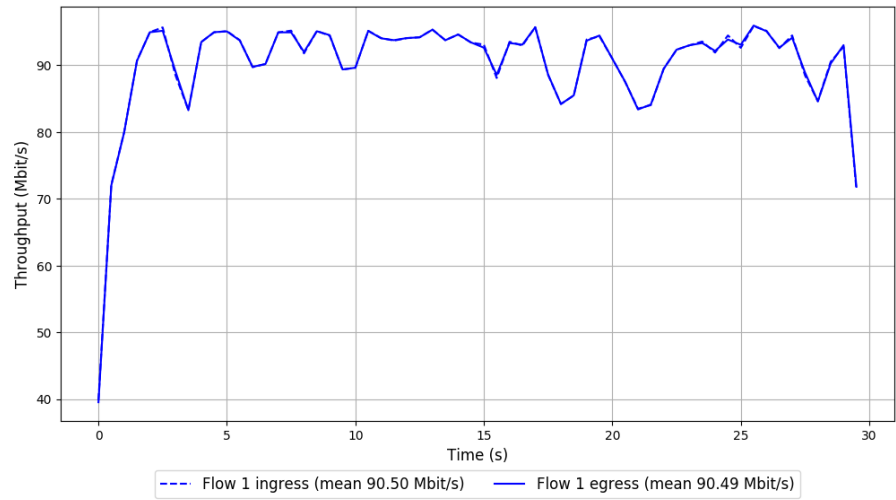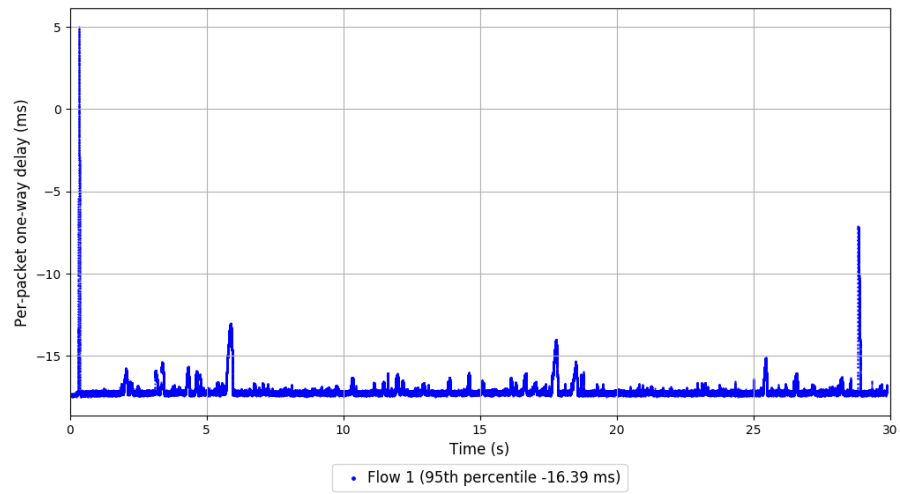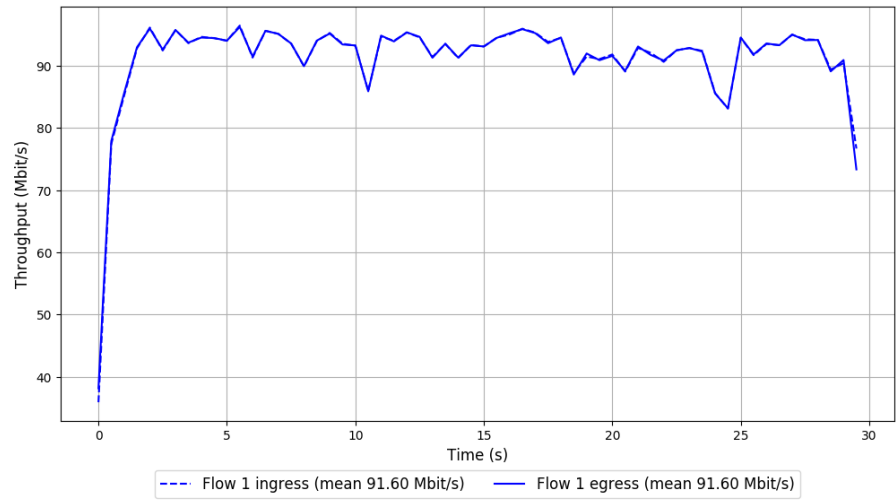

Flow 1 (95th percentile 3.19 ms)

```
Run 4: Statistics of PCC

Start at: 2018-02-13 02:06:27
End at: 2018-02-13 02:06:57
Local clock offset: -4.91 ms
Remote clock offset: -4.899 ms


# Below is generated by plot.py at 2018-02-13 05:01:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 3.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 3.592 ms
Loss rate: 0.00%
```
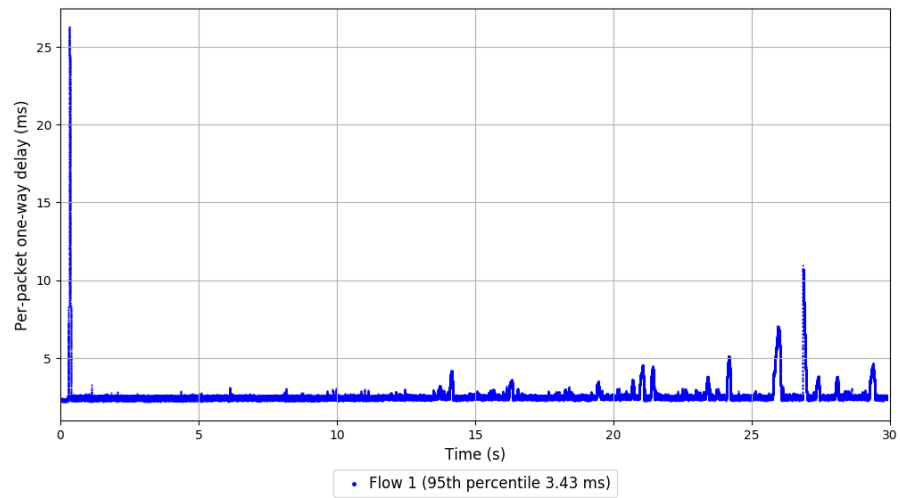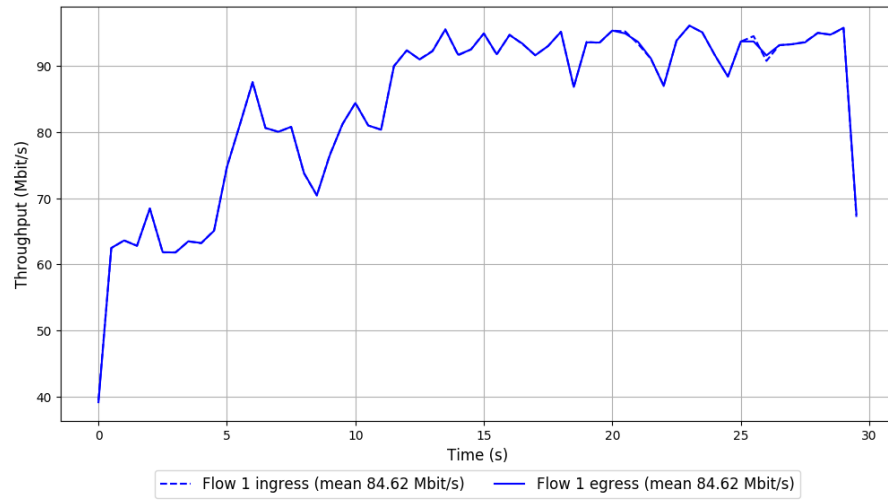
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 90.50 Mbit/s)   Flow 1 egress (mean 90.49 Mbit/s)

Flow 1 (95th percentile 3.59 ms)

71

```
Run 5: Statistics of PCC

Start at: 2018-02-13 02:26:44
End at: 2018-02-13 02:27:14
Local clock offset: -4.713 ms
Remote clock offset: -24.514 ms

# Below is generated by plot.py at 2018-02-13 05:01:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: -16.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: -16.387 ms
Loss rate: 0.00%
```
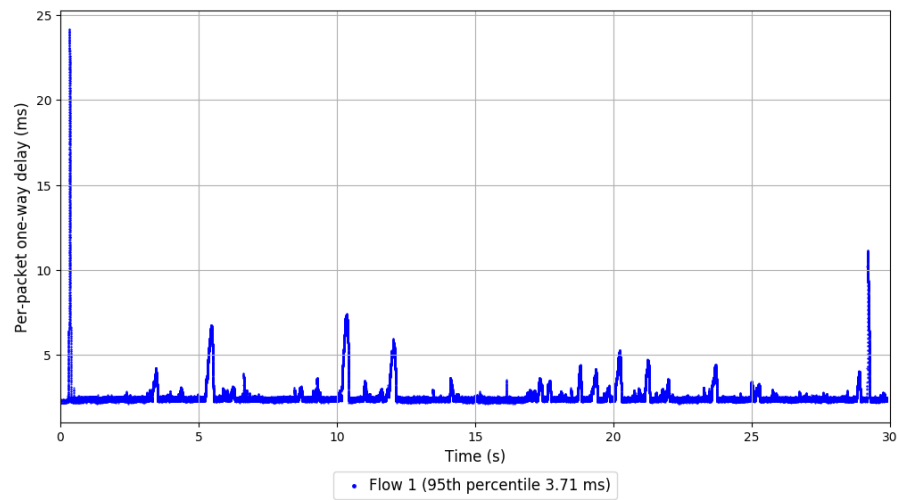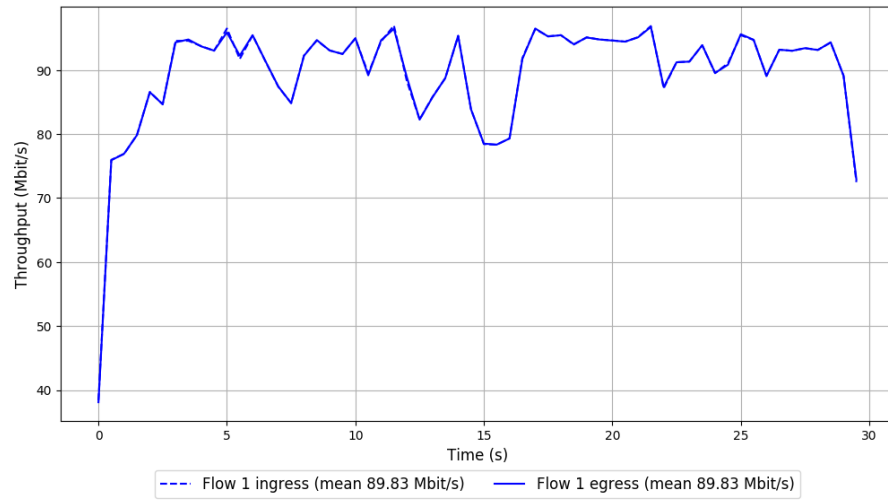
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 91.60 Mbit/s)   Flow 1 egress (mean 91.60 Mbit/s)

Flow 1 (95th percentile -16.39 ms)

73

```
Run 6: Statistics of PCC

Start at: 2018-02-13 02:46:59
End at: 2018-02-13 02:47:29
Local clock offset: -4.538 ms
Remote clock offset: -4.717 ms


# Below is generated by plot.py at 2018-02-13 05:01:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 3.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 3.433 ms
Loss rate: 0.00%
```
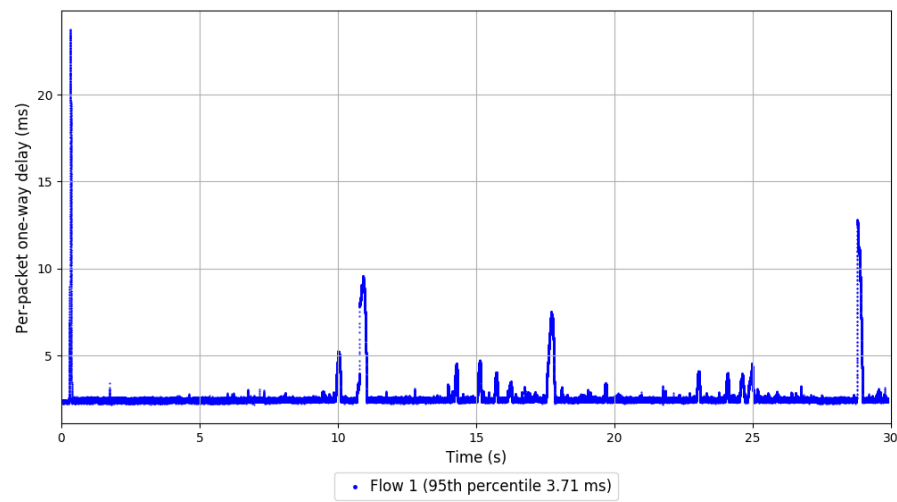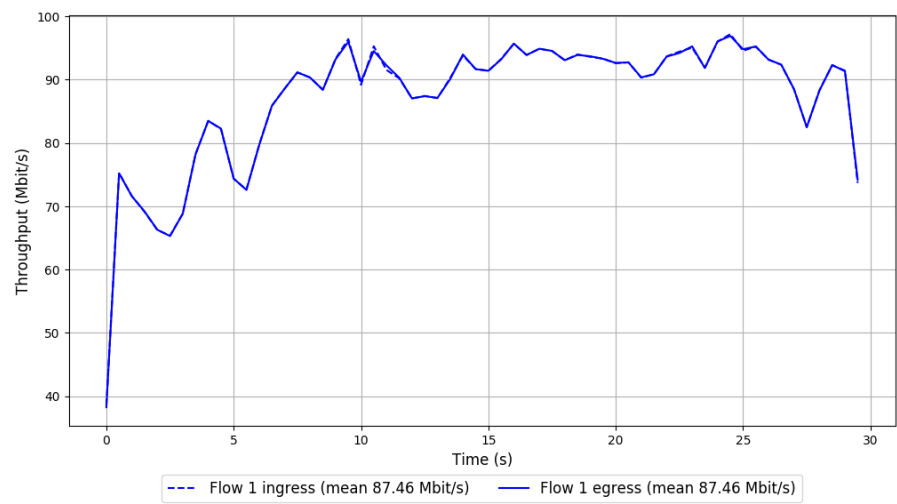
Run 6: Report of PCC — Data Link

75

```
Run 7: Statistics of PCC

Start at: 2018-02-13 03:07:21
End at: 2018-02-13 03:07:51
Local clock offset: -4.818 ms
Remote clock offset: -4.962 ms


# Below is generated by plot.py at 2018-02-13 05:02:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 3.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 3.715 ms
Loss rate: 0.00%
```

Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2018-02-13 03:27:35
End at: 2018-02-13 03:28:05
Local clock offset: -5.444 ms
Remote clock offset: -5.051 ms


# Below is generated by plot.py at 2018-02-13 05:02:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 3.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 3.706 ms
Loss rate: 0.00%
```
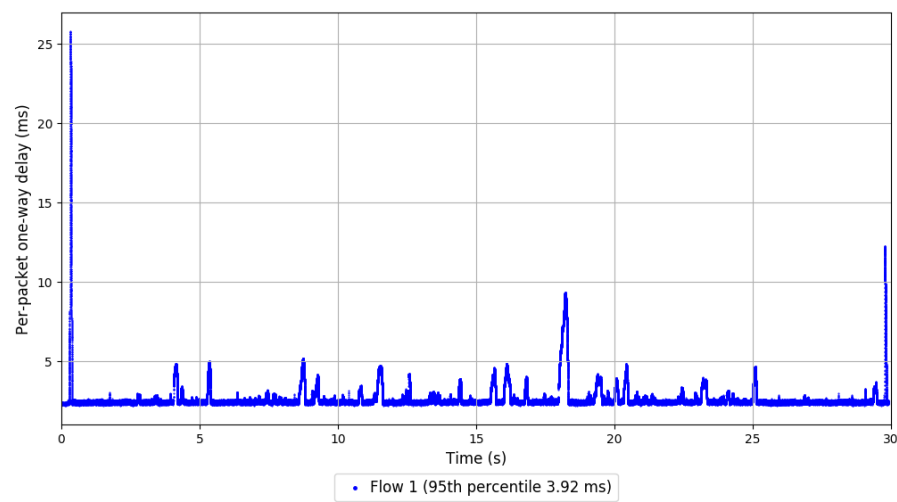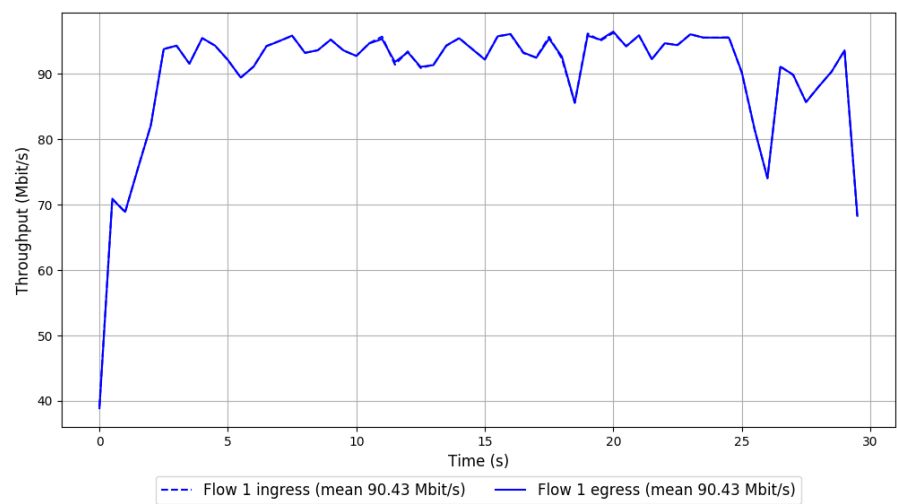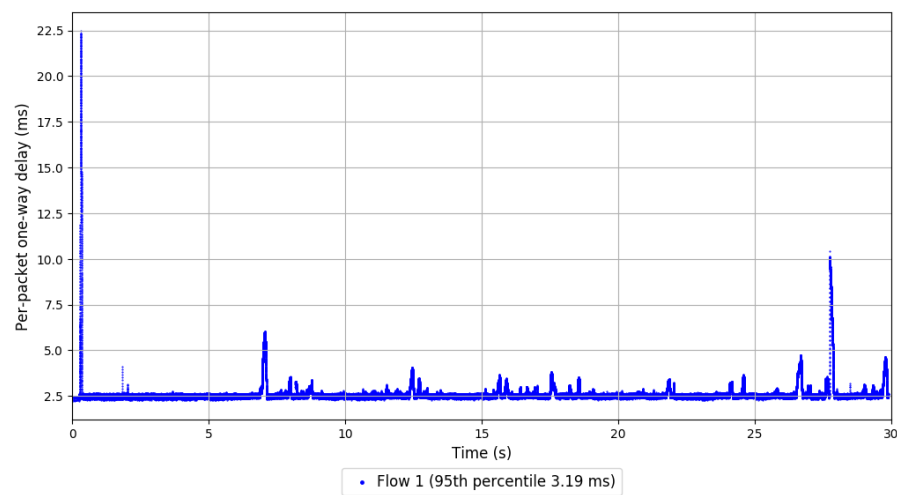
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 87.46 Mbit/s) --- Flow 1 egress (mean 87.46 Mbit/s)

Flow 1 (95th percentile 3.71 ms)

```
Run 9: Statistics of PCC

Start at: 2018-02-13 03:47:58
End at: 2018-02-13 03:48:28
Local clock offset: -5.479 ms
Remote clock offset: -4.83 ms


# Below is generated by plot.py at 2018-02-13 05:02:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 3.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 3.924 ms
Loss rate: 0.00%
```

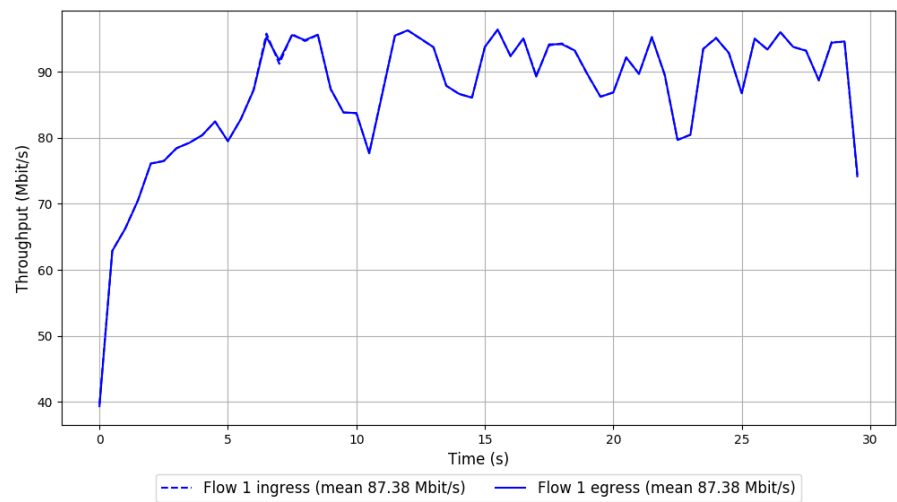Run 9: Report of PCC — Data Link

```
Run 10: Statistics of PCC

Start at: 2018-02-13 04:08:19
End at: 2018-02-13 04:08:49
Local clock offset: -5.641 ms
Remote clock offset: -4.941 ms


# Below is generated by plot.py at 2018-02-13 05:02:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 3.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 3.192 ms
Loss rate: 0.00%
```

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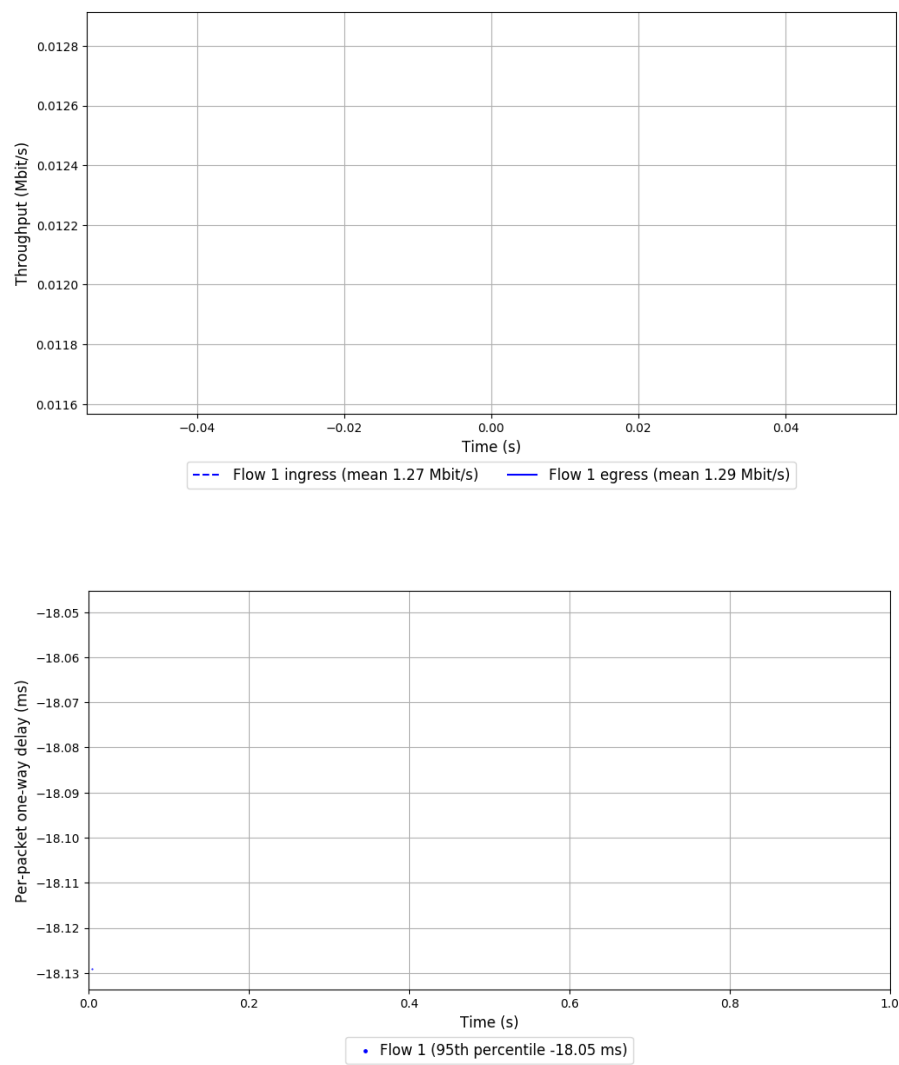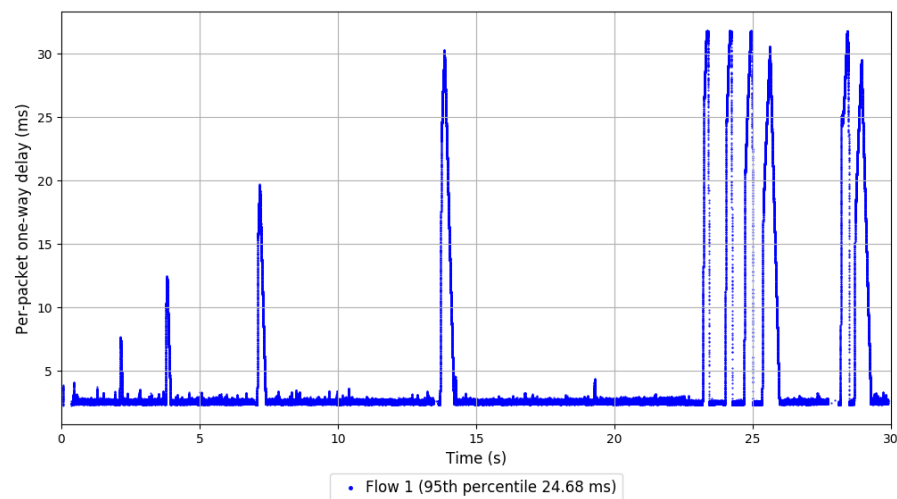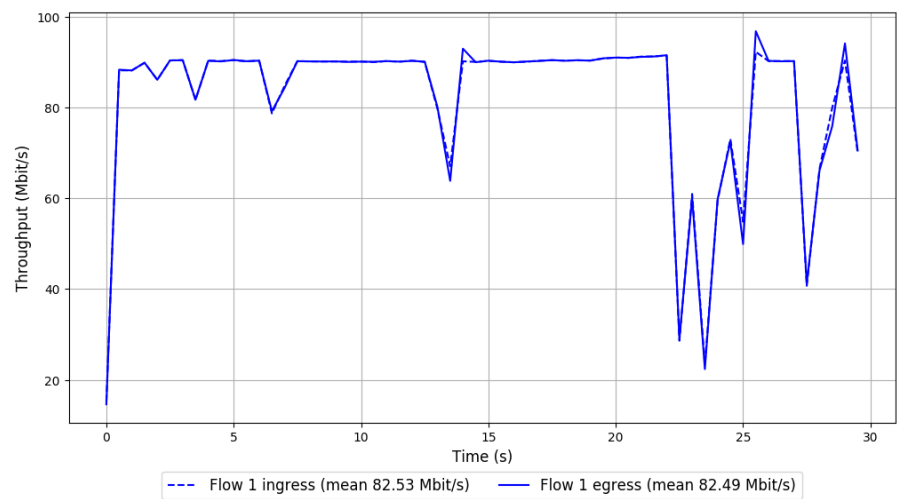
```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-13 01:22:31
End at: 2018-02-13 01:23:01
Local clock offset: -5.223 ms
Remote clock offset: -25.484 ms
```

Run 1: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 1.27 Mbit/s) --- Flow 1 egress (mean 1.29 Mbit/s)

Flow 1 (95th percentile -18.05 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-02-13 01:42:39
End at: 2018-02-13 01:43:09
Local clock offset: -5.37 ms
Remote clock offset: -5.252 ms


# Below is generated by plot.py at 2018-02-13 05:02:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 24.684 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 24.684 ms
Loss rate: 0.04%
```
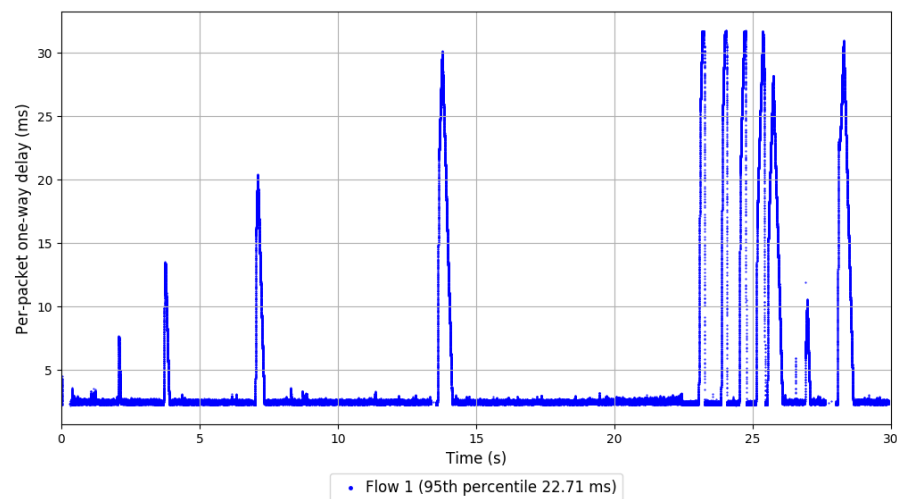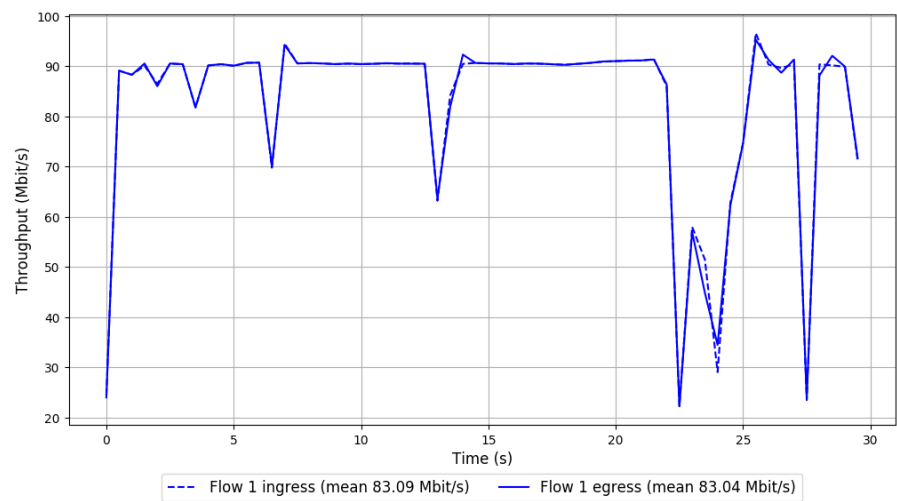
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.53 Mbit/s)   Flow 1 egress (mean 82.49 Mbit/s)

Flow 1 (95th percentile 24.68 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-02-13 02:03:02
End at: 2018-02-13 02:03:32
Local clock offset: -5.012 ms
Remote clock offset: -4.93 ms

# Below is generated by plot.py at 2018-02-13 05:02:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 22.712 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 22.712 ms
Loss rate: 0.06%
```
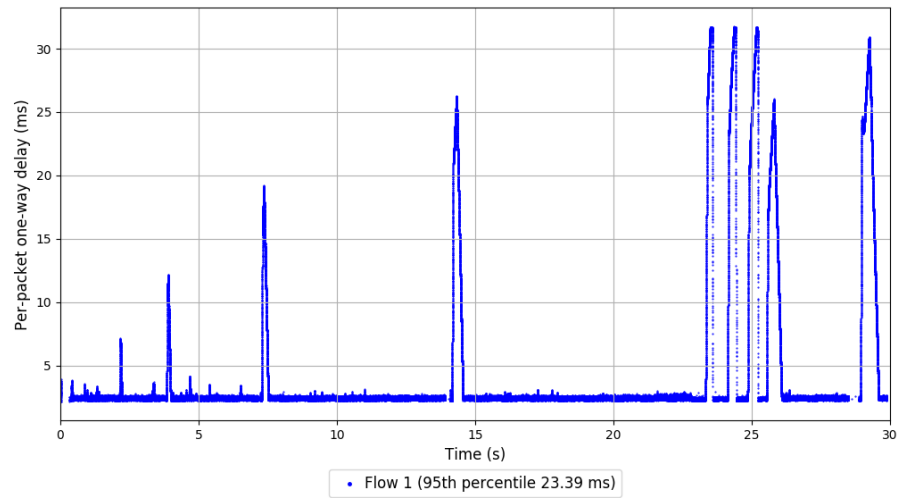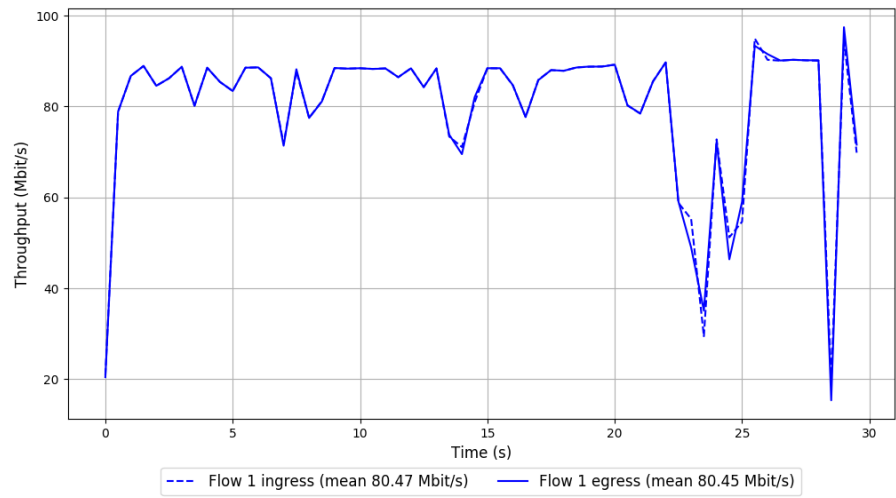
Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 83.09 Mbit/s)   Flow 1 egress (mean 83.04 Mbit/s)

Flow 1 (95th percentile 22.71 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-02-13 02:23:24
End at: 2018-02-13 02:23:54
Local clock offset: -4.724 ms
Remote clock offset: -4.816 ms

# Below is generated by plot.py at 2018-02-13 05:02:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.45 Mbit/s
95th percentile per-packet one-way delay: 23.393 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 80.45 Mbit/s
95th percentile per-packet one-way delay: 23.393 ms
Loss rate: 0.03%
```
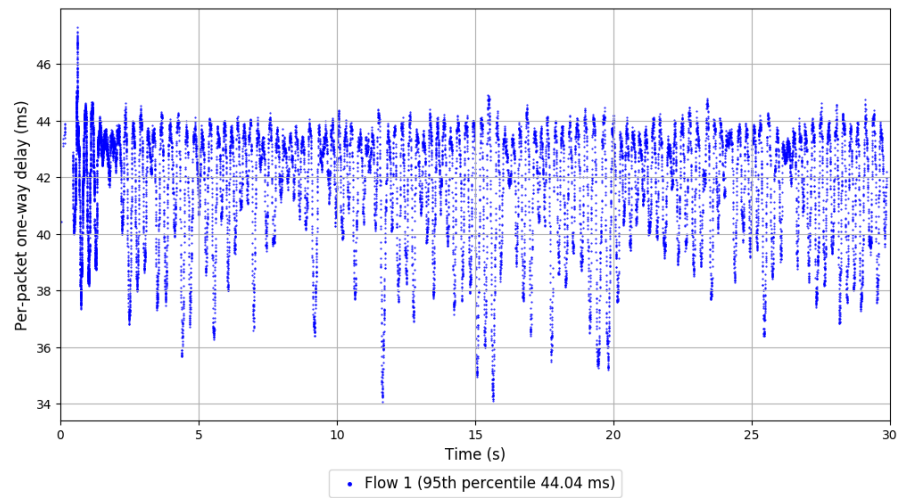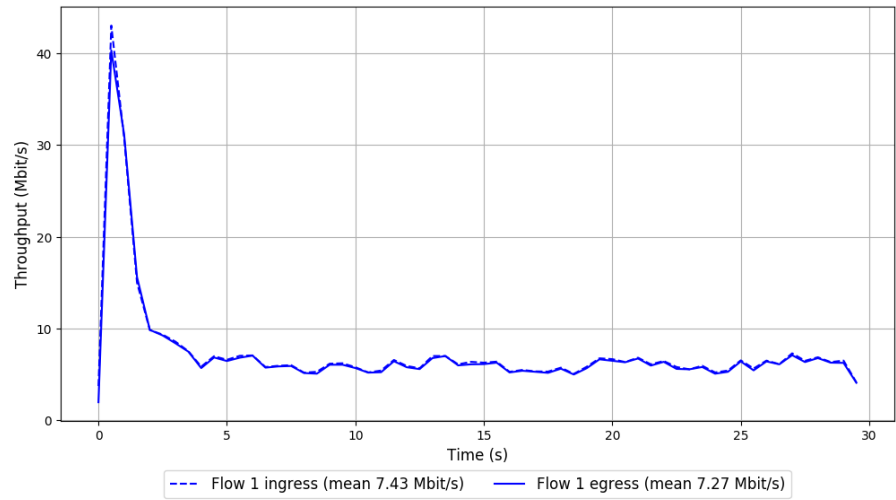
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 80.47 Mbit/s)   Flow 1 egress (mean 80.45 Mbit/s)

Flow 1 (95th percentile 23.39 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-02-13 02:43:38
End at: 2018-02-13 02:44:08
Local clock offset: -4.569 ms
Remote clock offset: -4.731 ms

# Below is generated by plot.py at 2018-02-13 05:02:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 44.039 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 44.039 ms
Loss rate: 2.22%
```
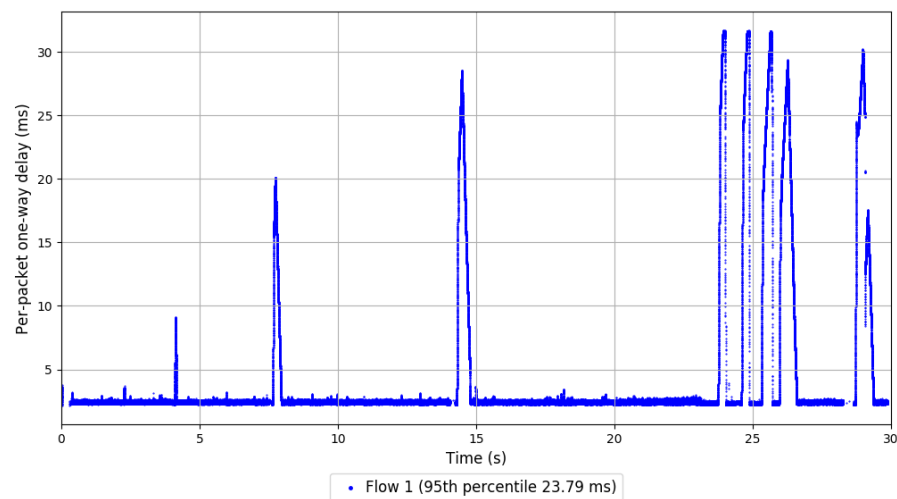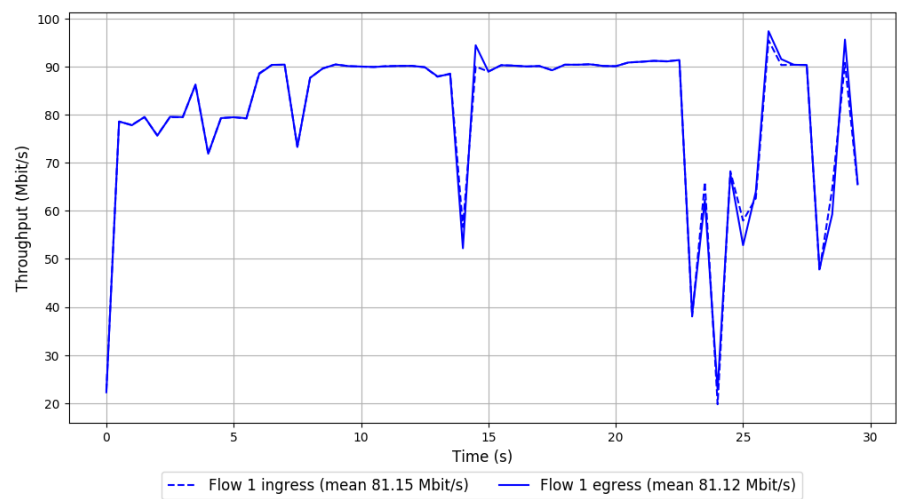
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 7.43 Mbit/s) — — — Flow 1 egress (mean 7.27 Mbit/s)
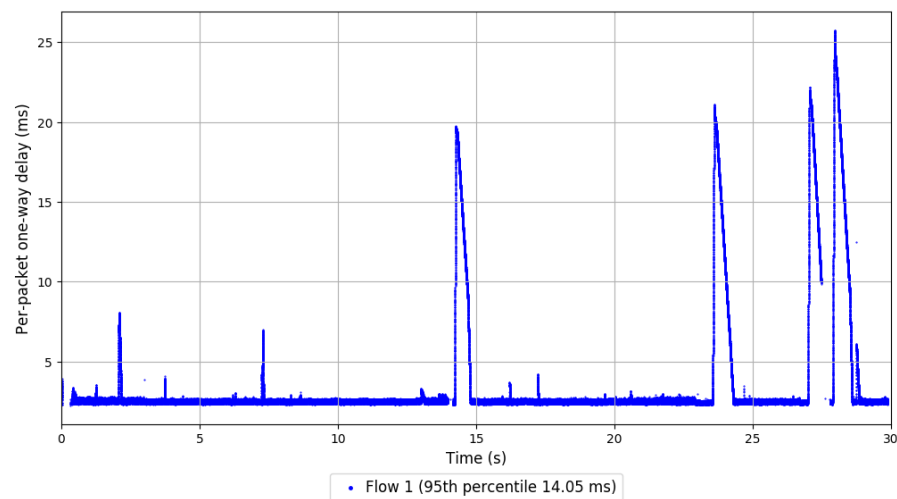

Flow 1 (95th percentile 44.04 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-02-13 03:03:57
End at: 2018-02-13 03:04:27
Local clock offset: -4.597 ms
Remote clock offset: -4.929 ms


# Below is generated by plot.py at 2018-02-13 05:03:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 23.791 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 23.791 ms
Loss rate: 0.03%
```

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 81.15 Mbit/s) --- Flow 1 egress (mean 81.12 Mbit/s)
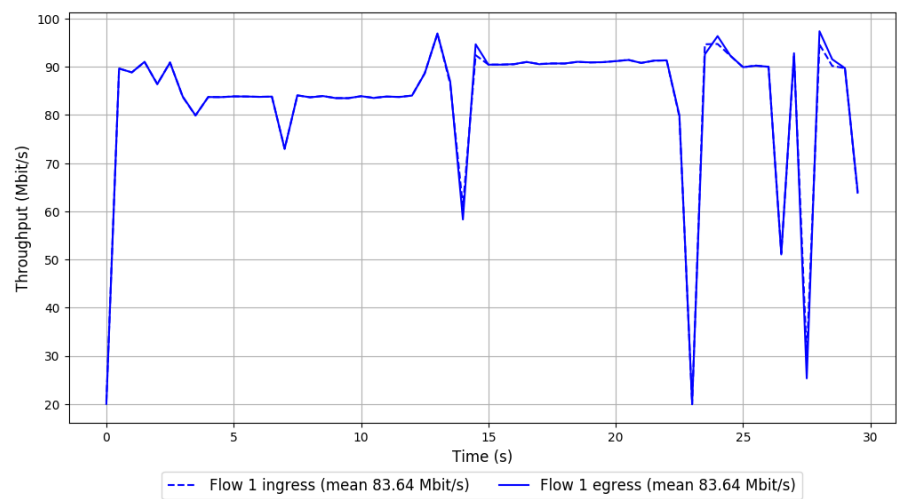

• Flow 1 (95th percentile 23.79 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-02-13 03:24:11
End at: 2018-02-13 03:24:41
Local clock offset: -5.46 ms
Remote clock offset: -5.054 ms


# Below is generated by plot.py at 2018-02-13 05:03:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 14.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 14.046 ms
Loss rate: 0.00%
```
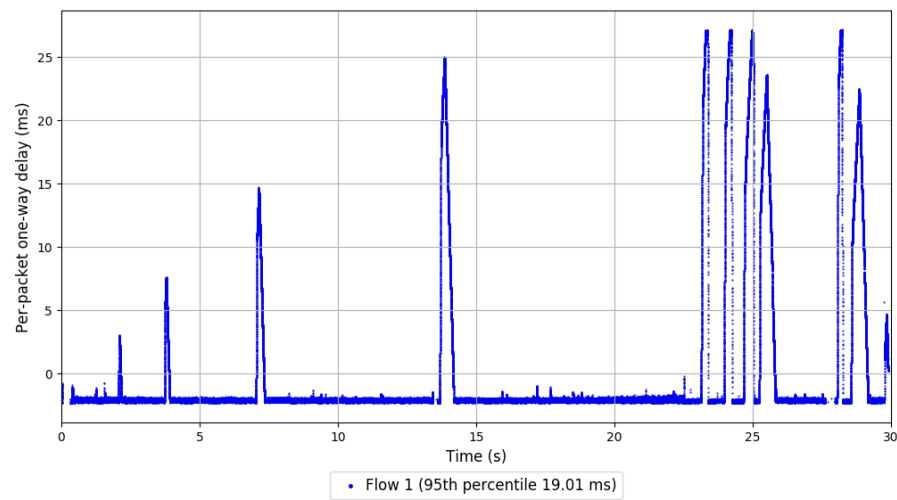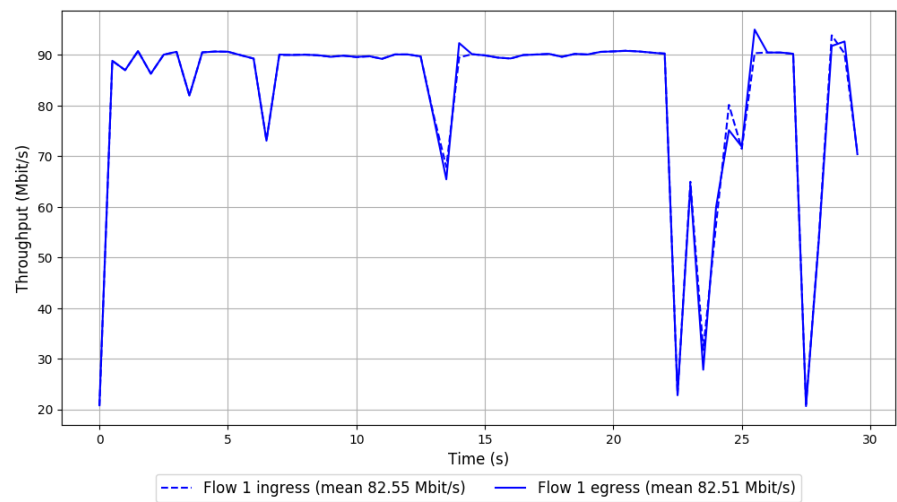
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 83.64 Mbit/s) — Flow 1 egress (mean 83.64 Mbit/s)

• Flow 1 (95th percentile 14.05 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-02-13 03:44:34
End at: 2018-02-13 03:45:04
Local clock offset: -5.558 ms
Remote clock offset: -9.484 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.04%
```
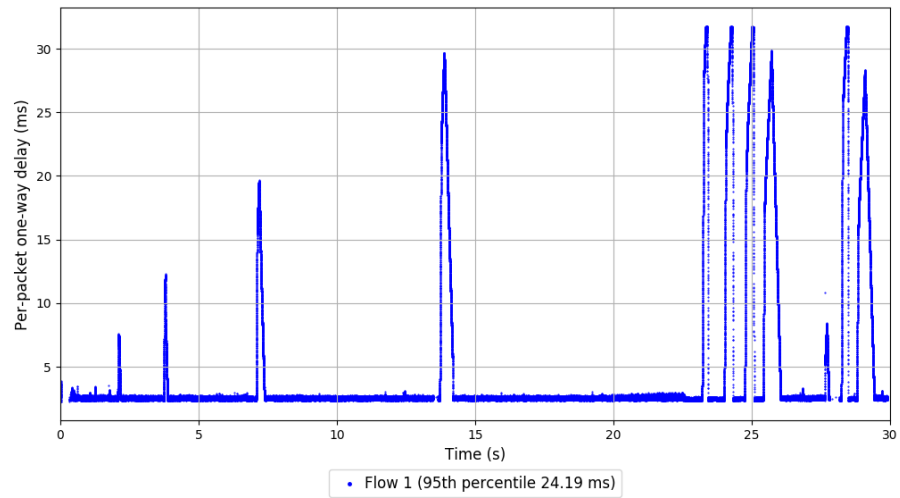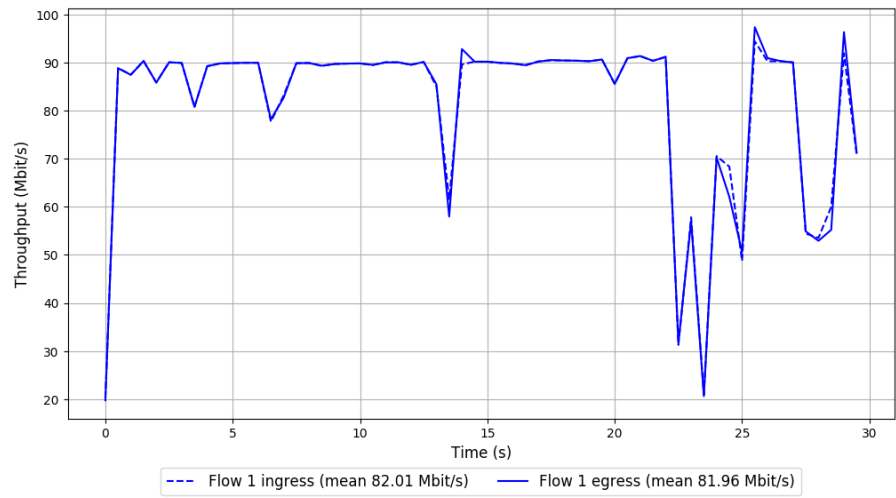
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.55 Mbit/s) ---- Flow 1 egress (mean 82.51 Mbit/s) ——

• Flow 1 (95th percentile 19.01 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-02-13 04:04:54
End at: 2018-02-13 04:05:24
Local clock offset: -5.59 ms
Remote clock offset: -4.868 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 24.193 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 24.193 ms
Loss rate: 0.05%
```
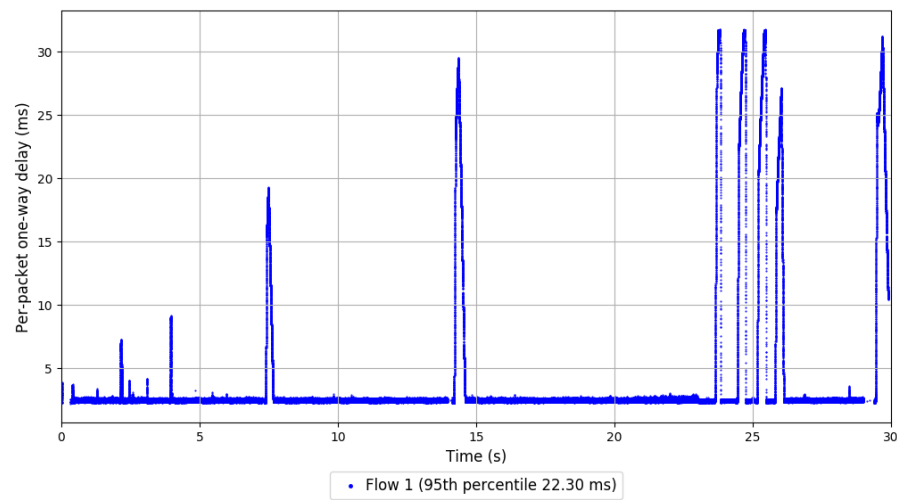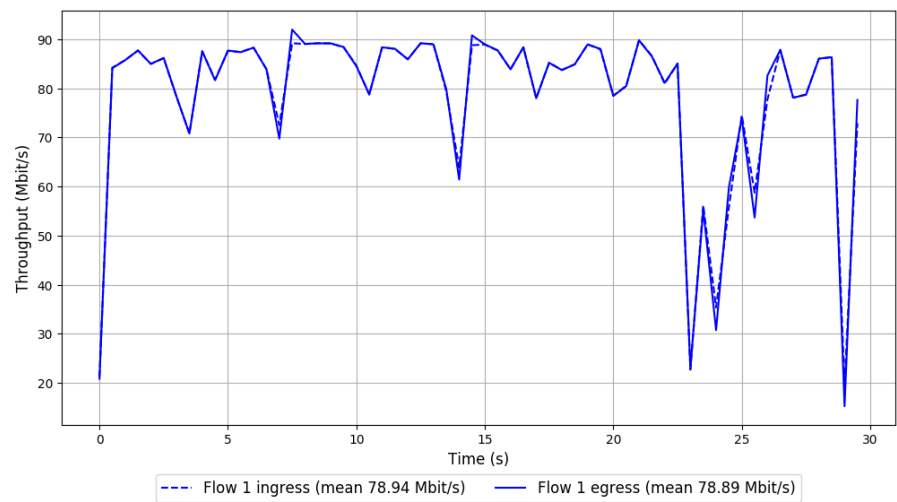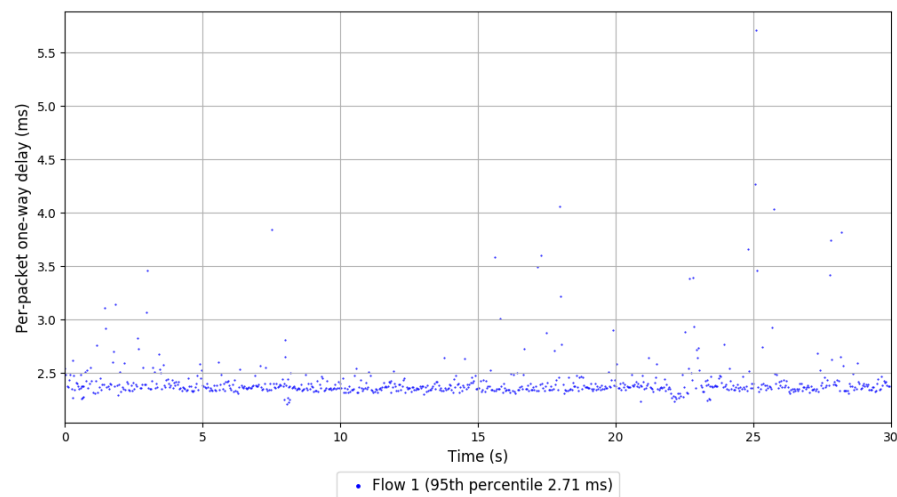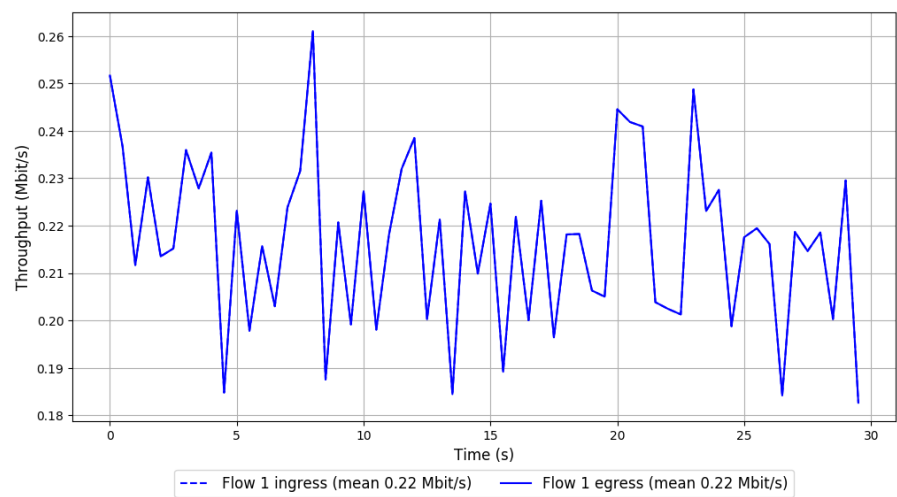
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.01 Mbit/s)   Flow 1 egress (mean 81.96 Mbit/s)

Flow 1 (95th percentile 24.19 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-02-13 04:25:15
End at: 2018-02-13 04:25:45
Local clock offset: -4.582 ms
Remote clock offset: -5.129 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 22.304 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 22.304 ms
Loss rate: 0.04%
```

Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2018-02-13 01:10:15
End at: 2018-02-13 01:10:45
Local clock offset: -5.174 ms
Remote clock offset: -4.943 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.705 ms
Loss rate: 0.00%
```
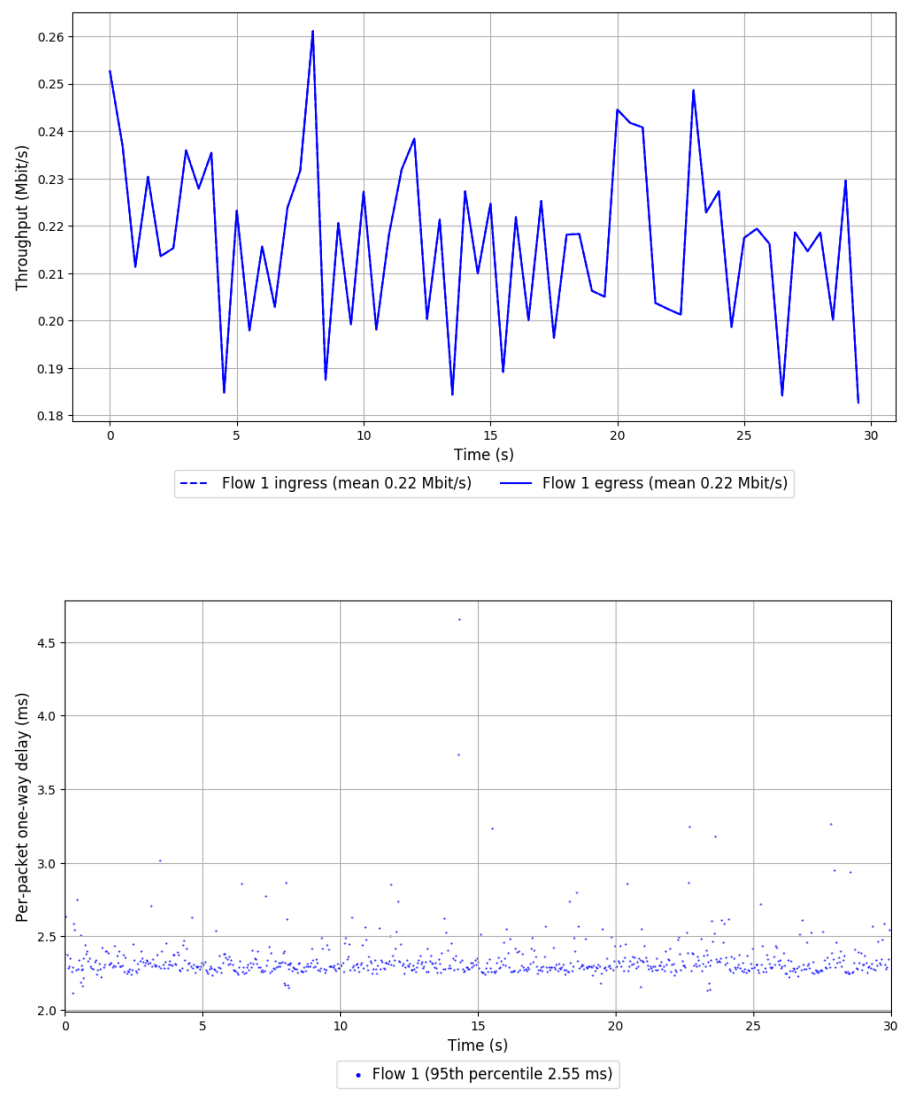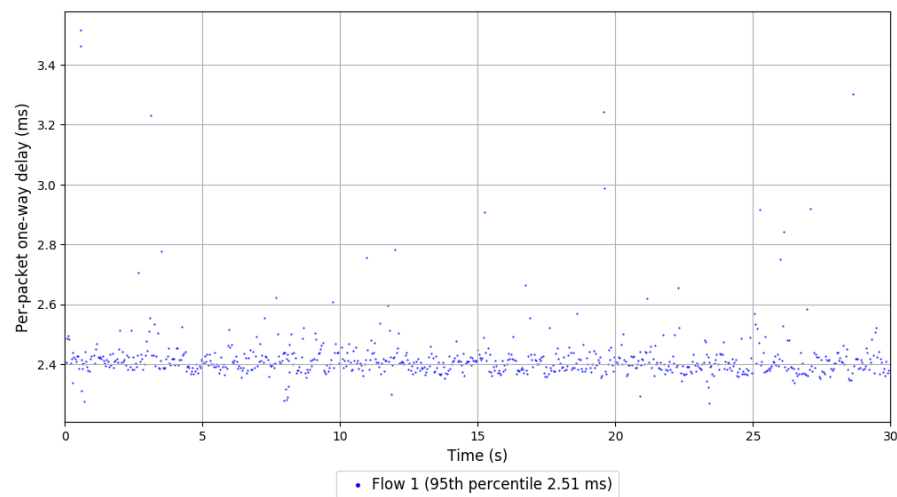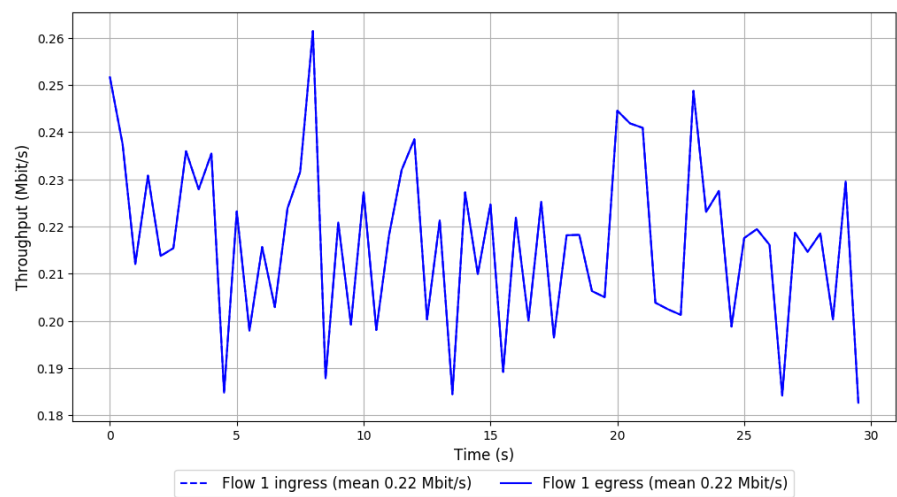
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2018-02-13 01:30:25
End at: 2018-02-13 01:30:55
Local clock offset: -5.26 ms
Remote clock offset: -5.24 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.552 ms
Loss rate: 0.00%
```
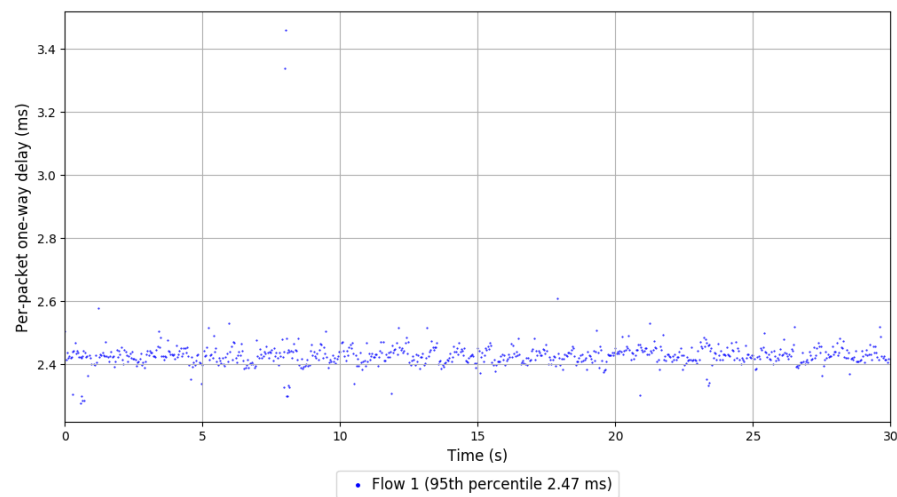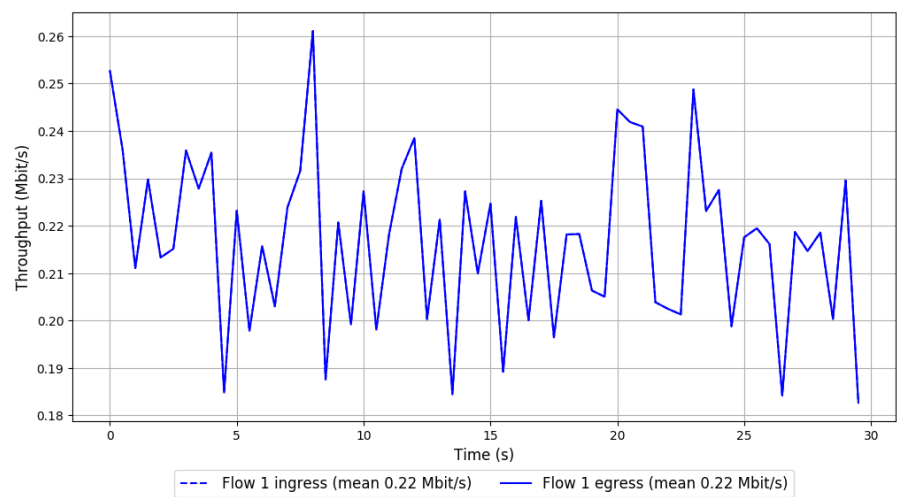
Run 2: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.55 ms)

```
Run 3: Statistics of SCReAM

Start at: 2018-02-13 01:50:40
End at: 2018-02-13 01:51:10
Local clock offset: -5.405 ms
Remote clock offset: -5.104 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.512 ms
Loss rate: 0.00%
```
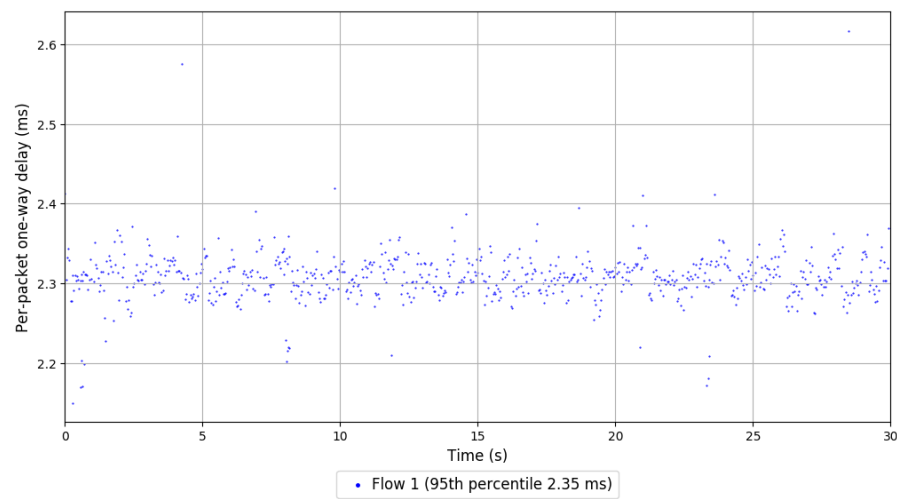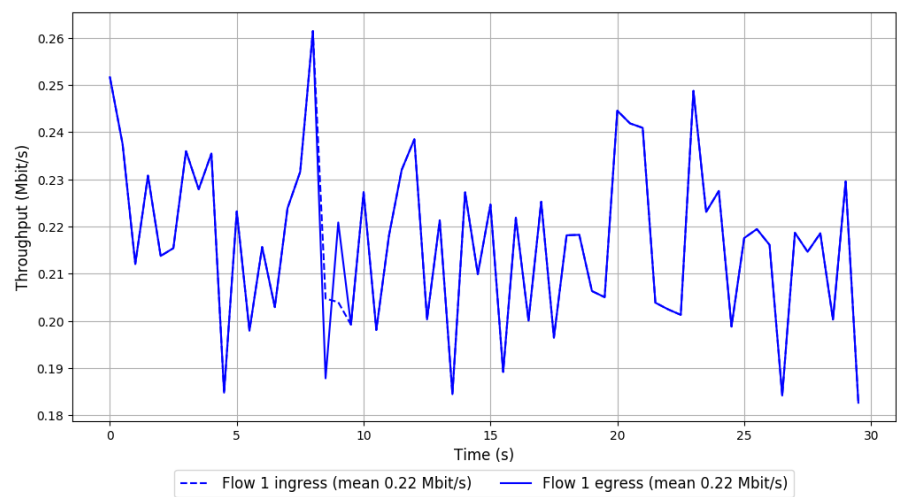
Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.51 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-02-13 02:11:03
End at: 2018-02-13 02:11:33
Local clock offset: -4.914 ms
Remote clock offset: -4.807 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.471 ms
Loss rate: 0.00%
```
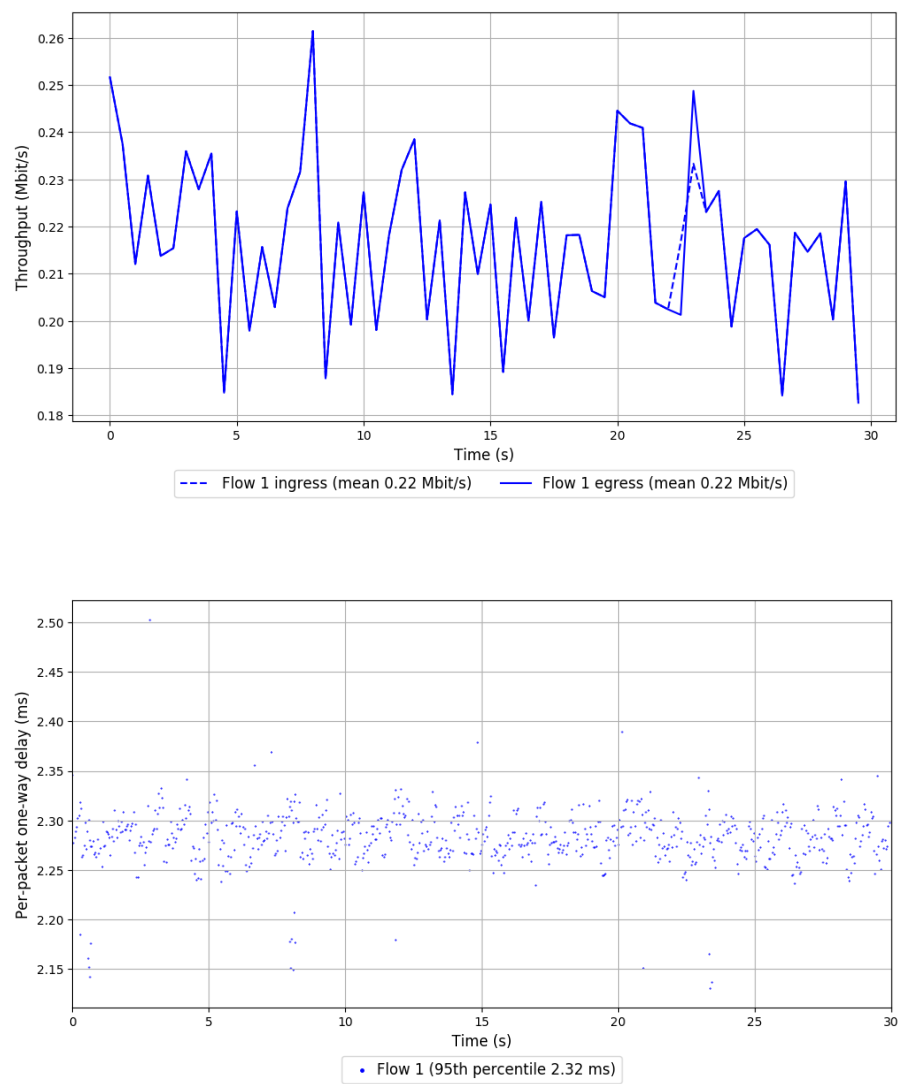
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2018-02-13 02:31:20
End at: 2018-02-13 02:31:50
Local clock offset: -4.669 ms
Remote clock offset: -4.819 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.351 ms
Loss rate: 0.00%
```
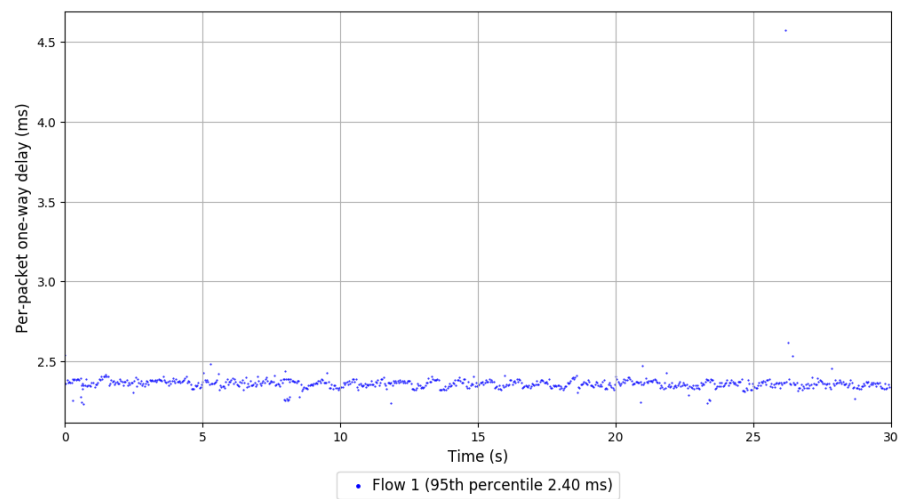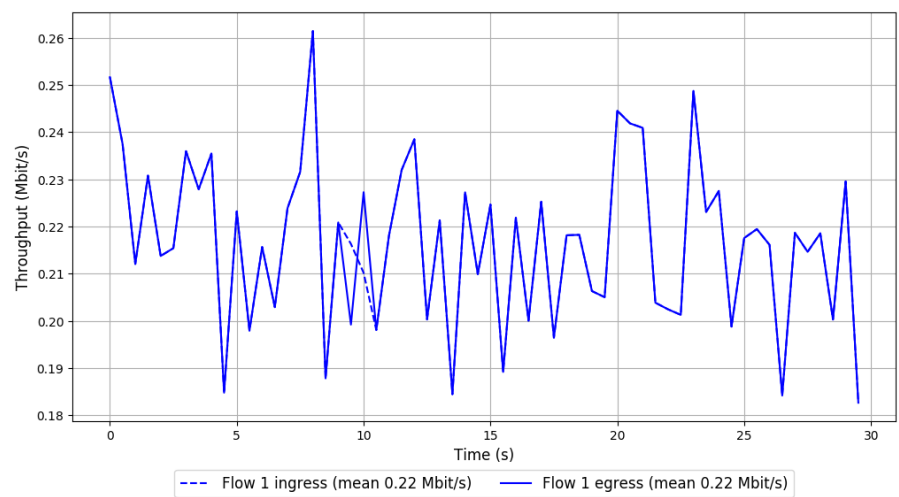
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2018-02-13 02:51:35
End at: 2018-02-13 02:52:05
Local clock offset: -4.514 ms
Remote clock offset: -4.777 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.319 ms
Loss rate: 0.00%
```
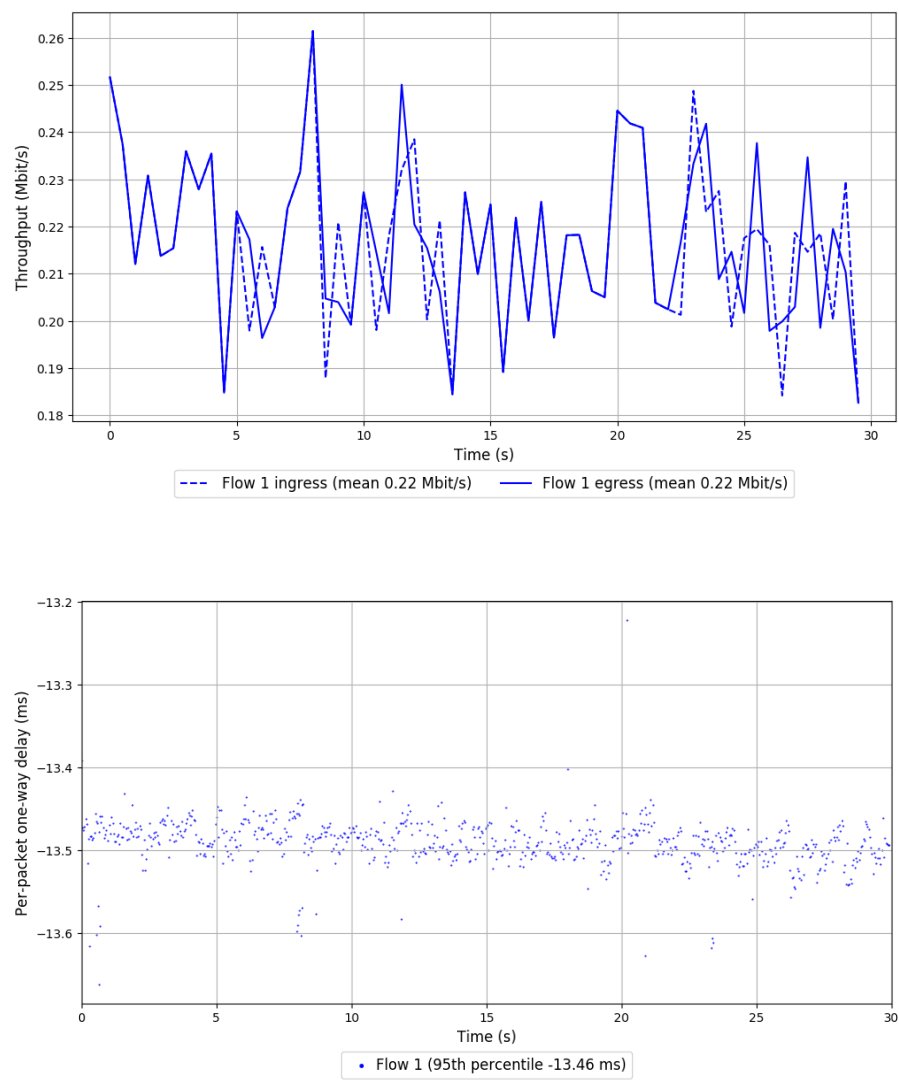
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-02-13 03:11:52
End at: 2018-02-13 03:12:22
Local clock offset: -5.092 ms
Remote clock offset: -5.002 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.395 ms
Loss rate: 0.00%
```
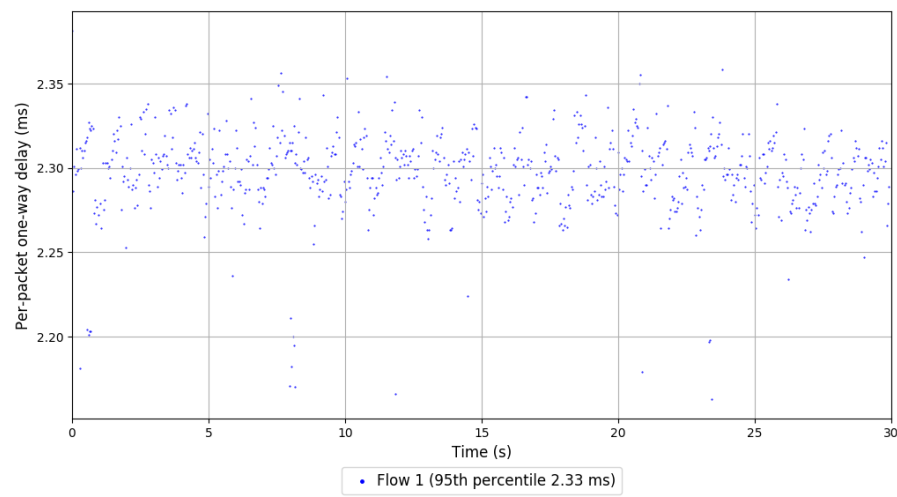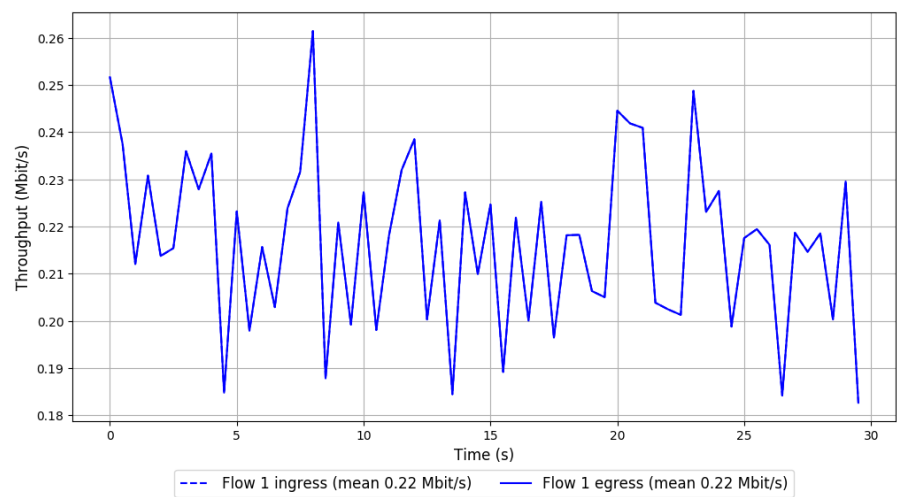
Run 7: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 2.40 ms)

```
Run 8: Statistics of SCReAM

Start at: 2018-02-13 03:32:12
End at: 2018-02-13 03:32:42
Local clock offset: -5.611 ms
Remote clock offset: -20.875 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -13.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -13.456 ms
Loss rate: 0.00%
```
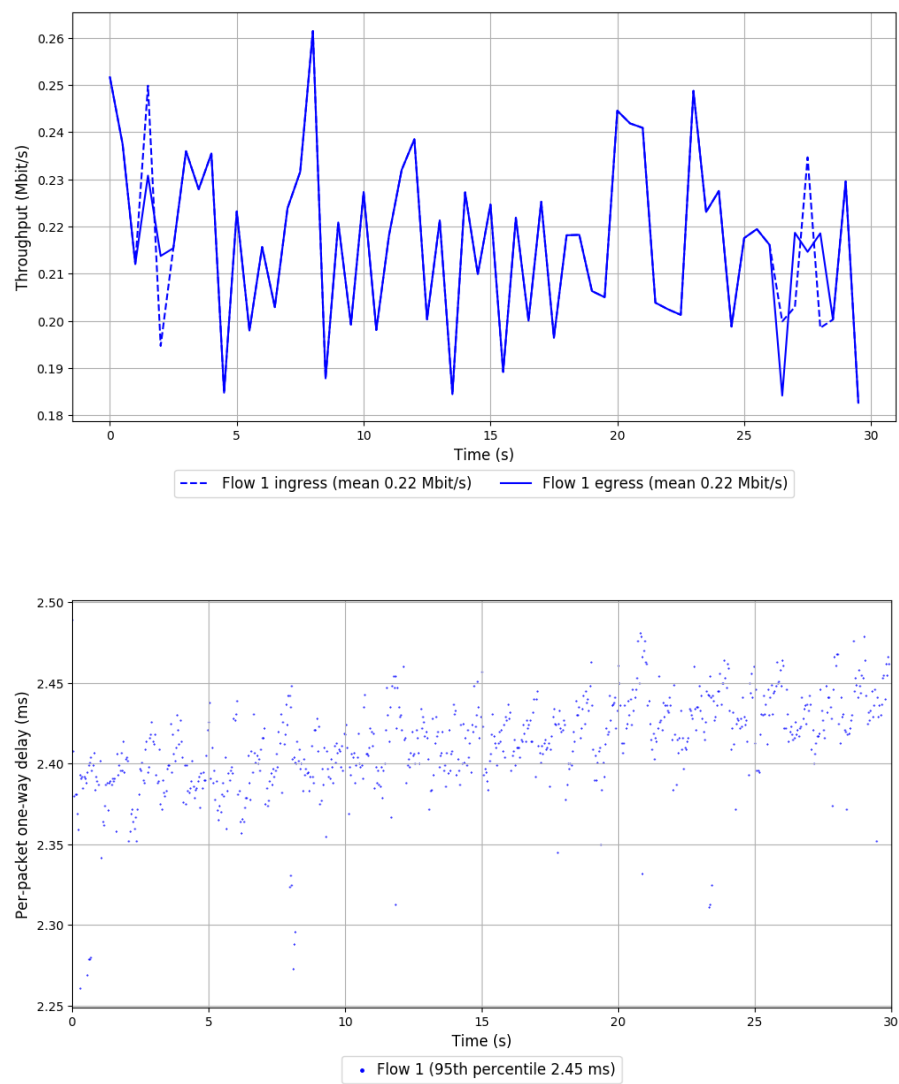
Run 8: Report of SCReAM — Data Link

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

• Flow 1 (95th percentile -13.46 ms)

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```
Run 9: Statistics of SCReAM

Start at: 2018-02-13 03:52:34
End at: 2018-02-13 03:53:04
Local clock offset: -5.459 ms
Remote clock offset: -4.828 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%
```
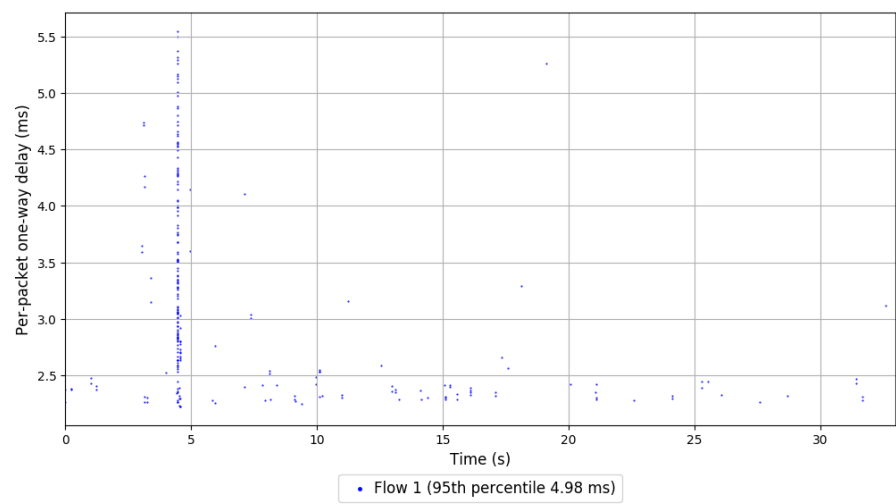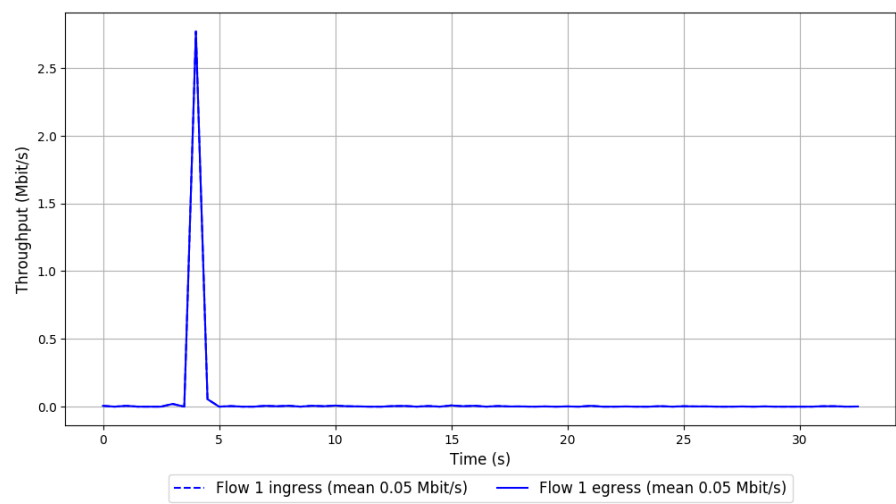
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2018-02-13 04:12:54
End at: 2018-02-13 04:13:24
Local clock offset: -5.344 ms
Remote clock offset: -5.013 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.454 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

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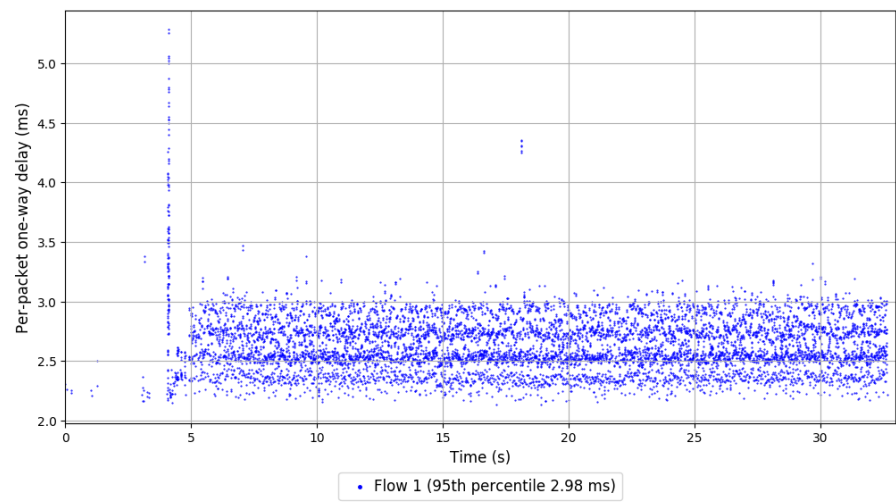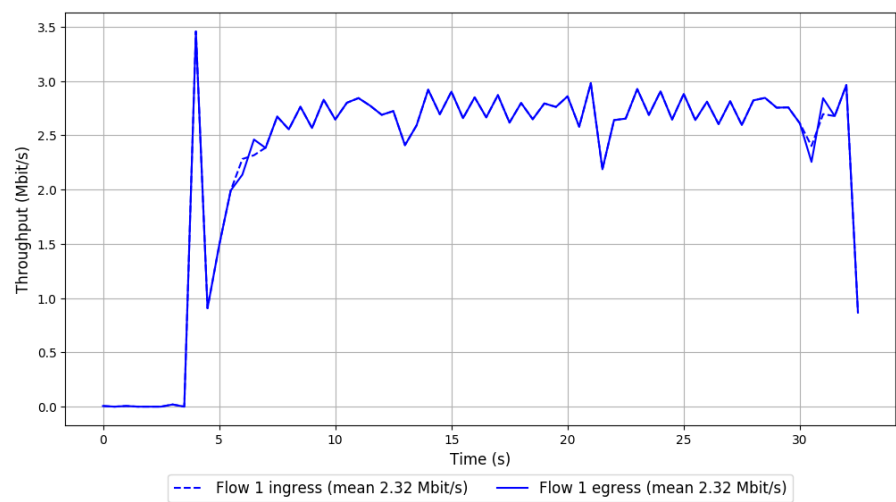

Flow 1 (95th percentile 2.45 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2018-02-13 01:19:13
End at: 2018-02-13 01:19:43
Local clock offset: -5.198 ms
Remote clock offset: -5.029 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.979 ms
Loss rate: 0.00%
```
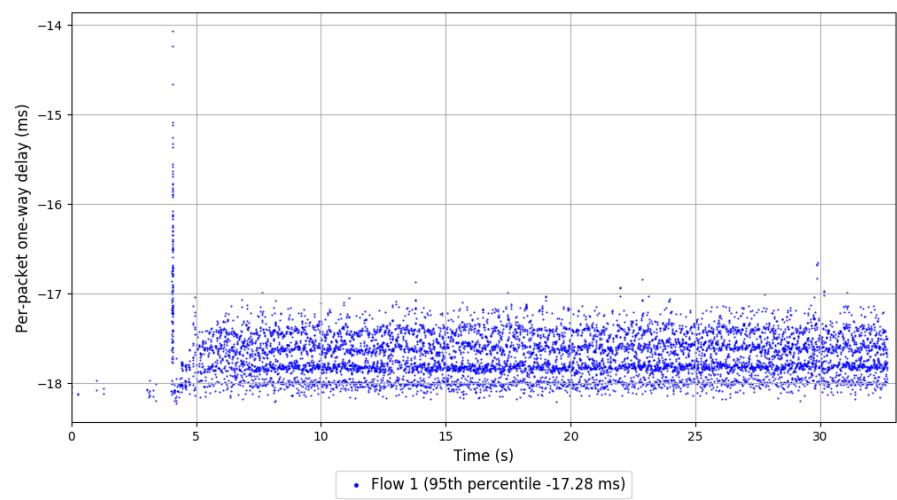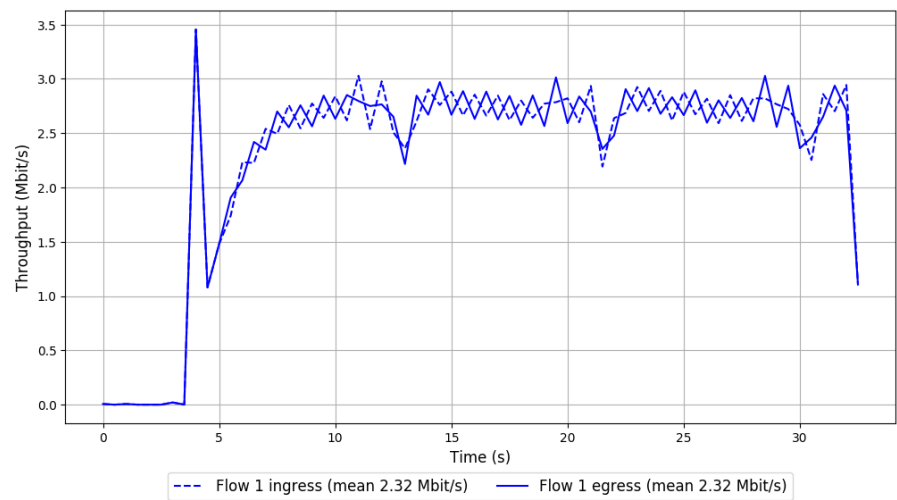
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-02-13 01:39:27
End at: 2018-02-13 01:39:57
Local clock offset: -5.297 ms
Remote clock offset: -5.236 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 2.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 2.981 ms
Loss rate: 0.00%
```
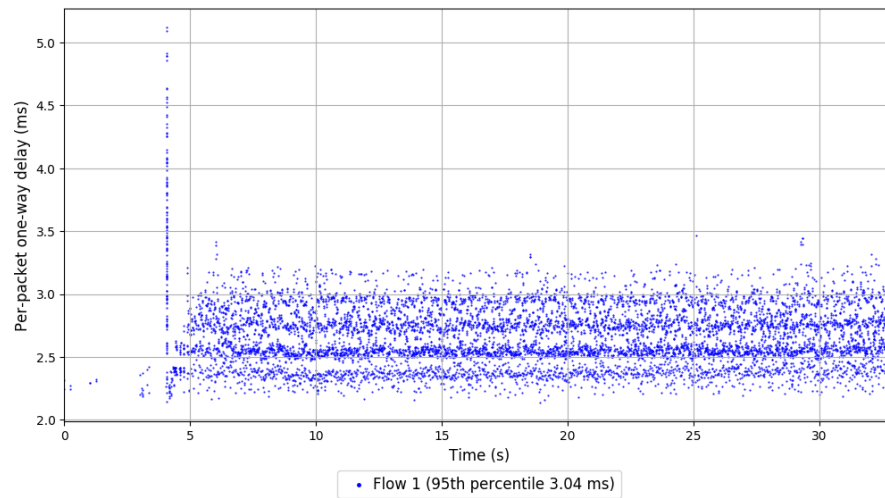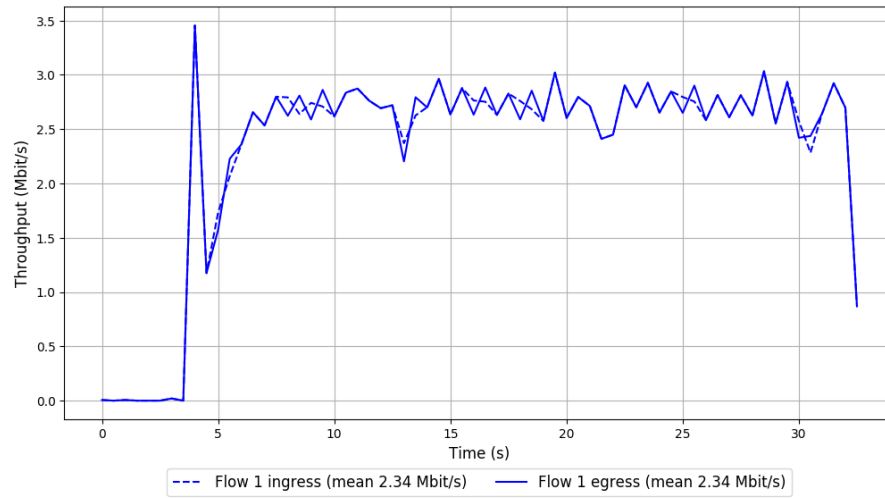
Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.32 Mbit/s)   Flow 1 egress (mean 2.32 Mbit/s)

Flow 1 (95th percentile 2.98 ms)

```
Run 3: Statistics of WebRTC media

Start at: 2018-02-13 01:59:44
End at: 2018-02-13 02:00:14
Local clock offset: -5.088 ms
Remote clock offset: -25.285 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -17.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -17.279 ms
Loss rate: 0.00%
```
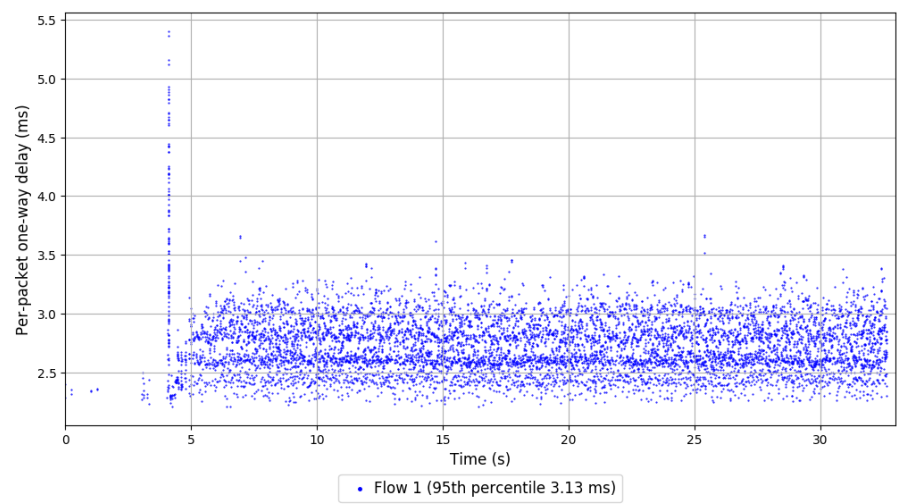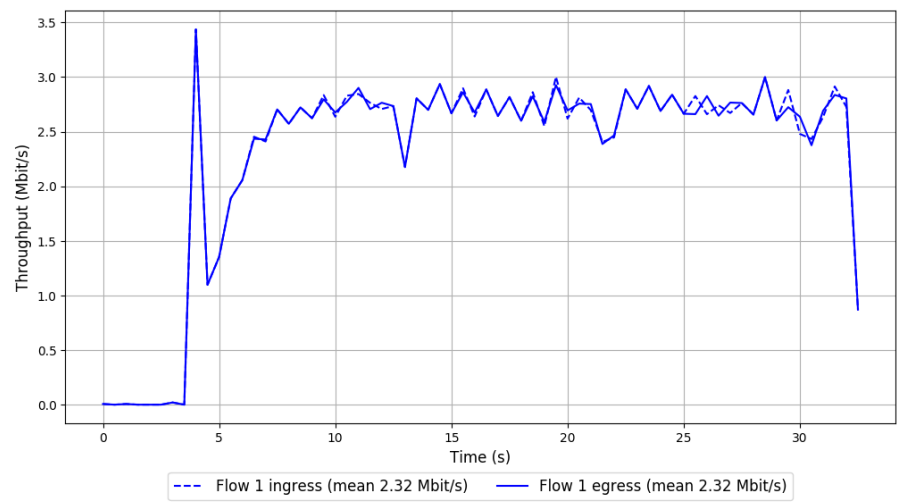
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-02-13 02:20:06
End at: 2018-02-13 02:20:36
Local clock offset: -4.746 ms
Remote clock offset: -4.743 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.037 ms
Loss rate: 0.00%
```
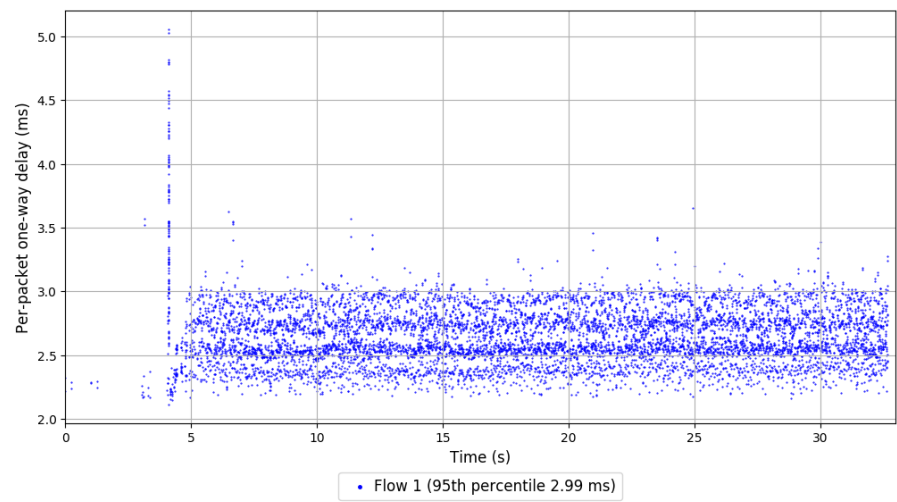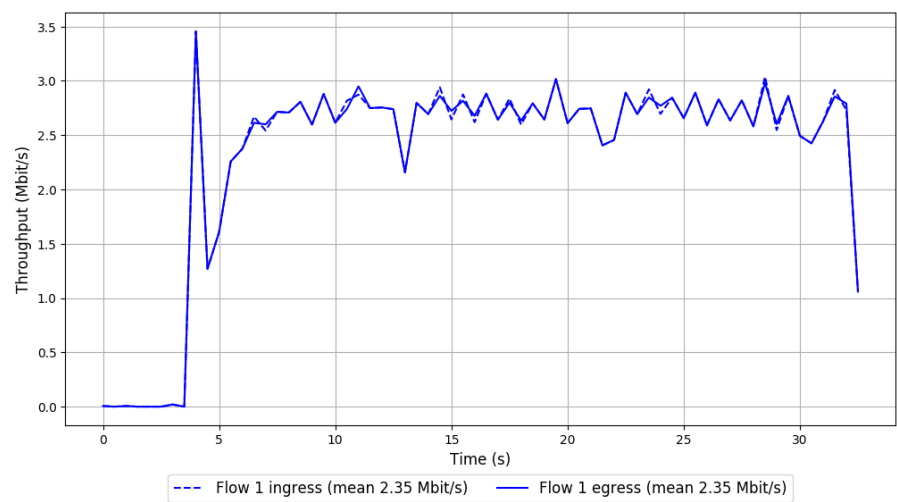
Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.34 Mbit/s) ----   Flow 1 egress (mean 2.34 Mbit/s) ——

Flow 1 (95th percentile 3.04 ms) •

```
Run 5: Statistics of WebRTC media

Start at: 2018-02-13 02:40:20
End at: 2018-02-13 02:40:50
Local clock offset: -4.638 ms
Remote clock offset: -4.741 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.127 ms
Loss rate: 0.00%
```
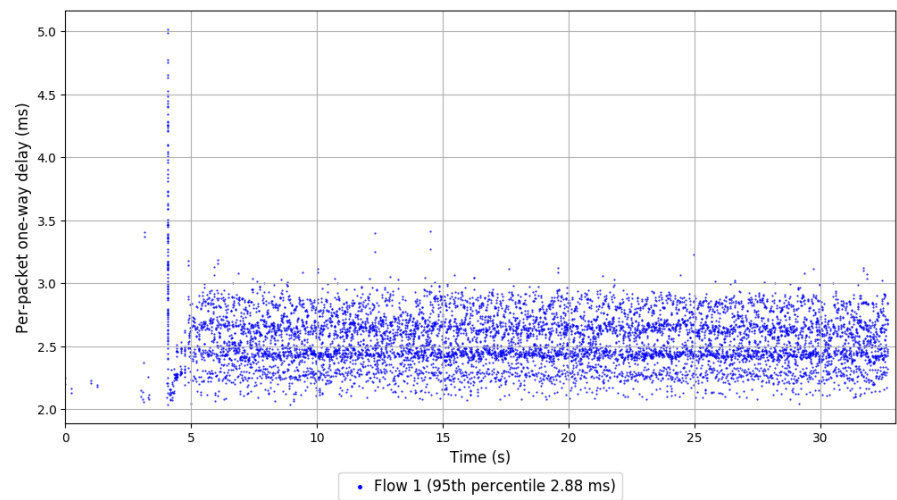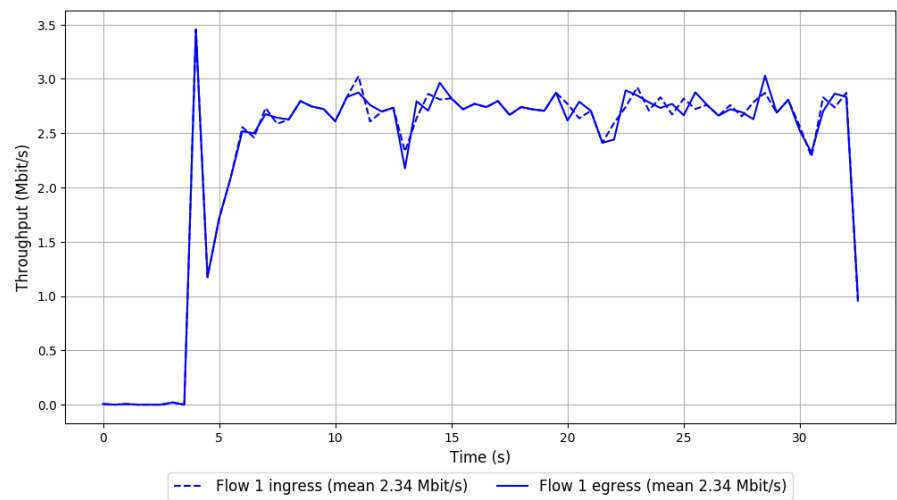
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2018-02-13 03:00:39
End at: 2018-02-13 03:01:09
Local clock offset: -4.459 ms
Remote clock offset: -4.874 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.990 ms
Loss rate: 0.00%
```
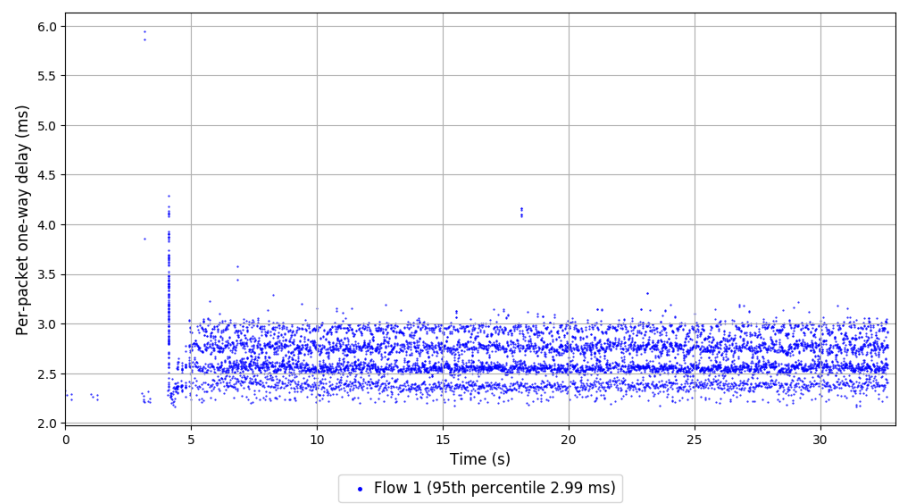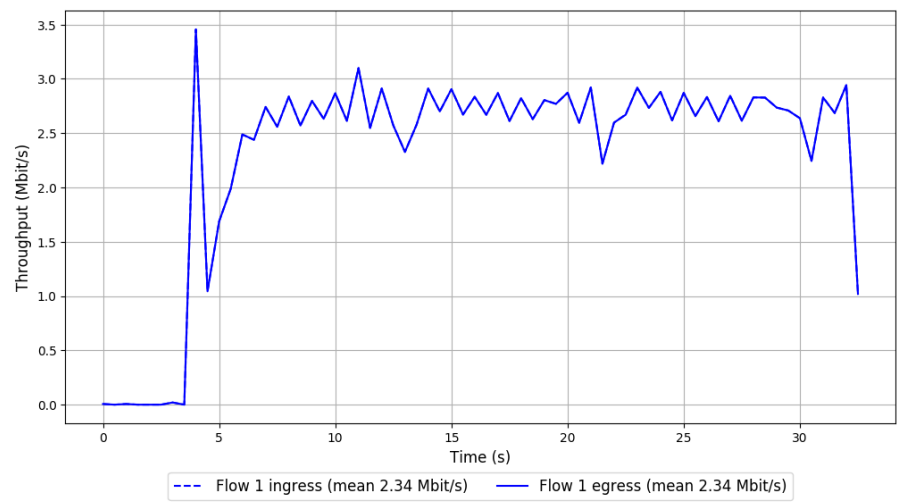
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-02-13 03:20:57
End at: 2018-02-13 03:21:27
Local clock offset: -5.325 ms
Remote clock offset: -5.113 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.885 ms
Loss rate: 0.00%
```
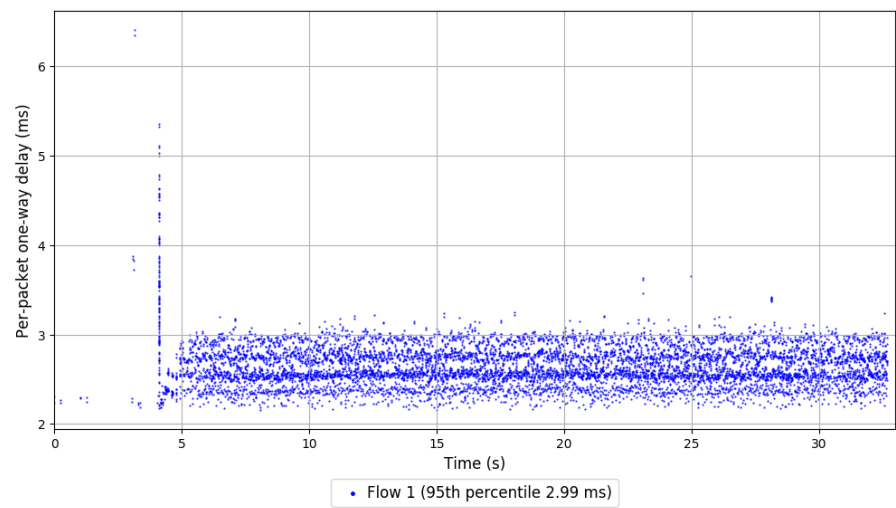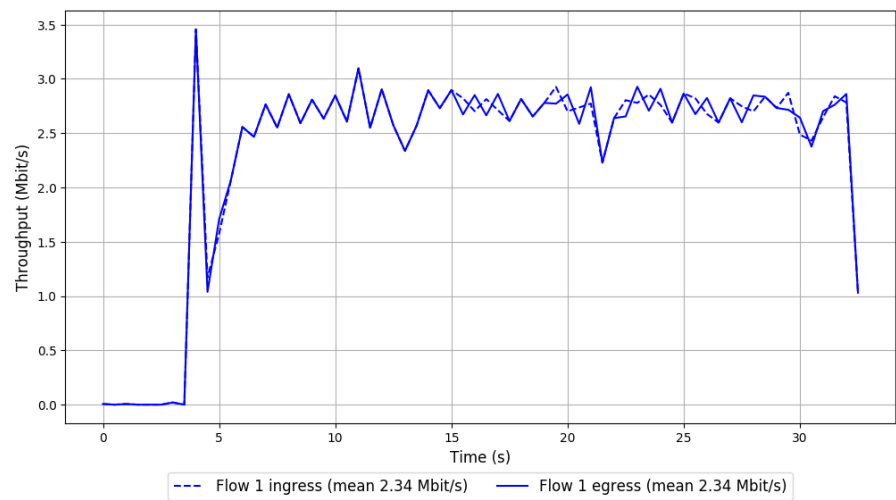
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-02-13 03:41:15
End at: 2018-02-13 03:41:45
Local clock offset: -5.524 ms
Remote clock offset: -4.859 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.988 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-02-13 04:01:36
End at: 2018-02-13 04:02:06
Local clock offset: -5.543 ms
Remote clock offset: -4.804 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.989 ms
Loss rate: 0.00%
```
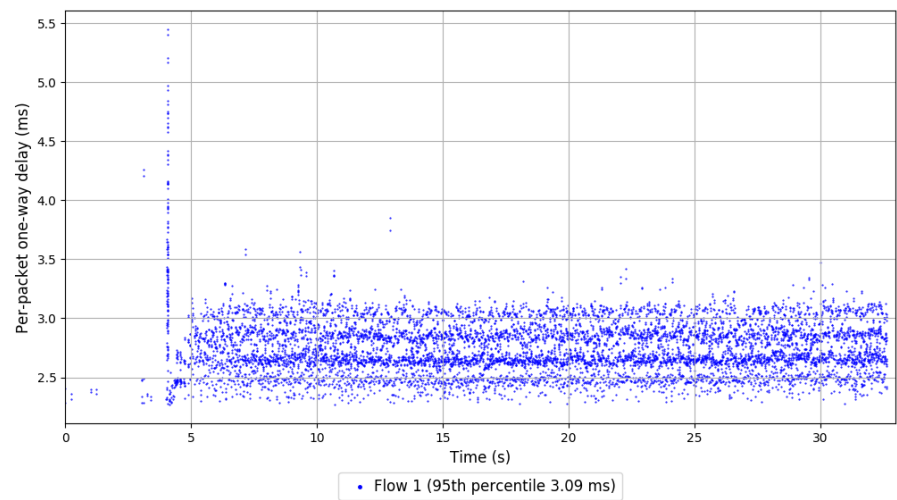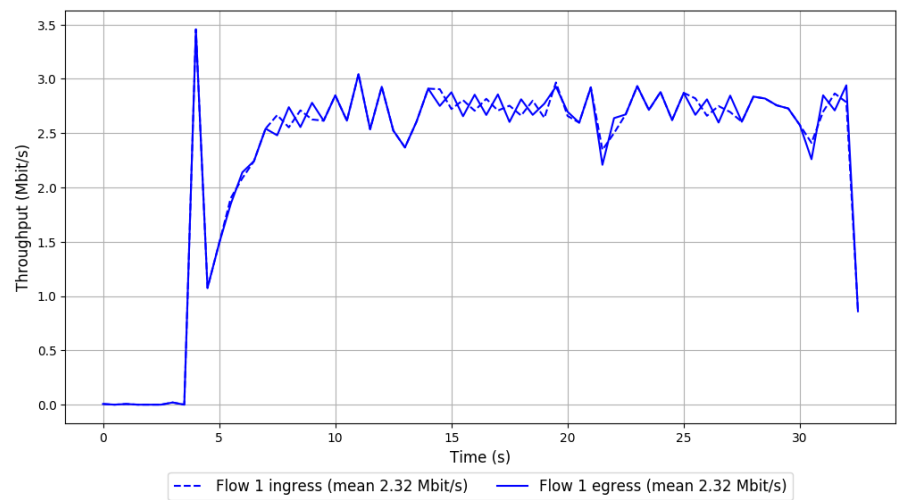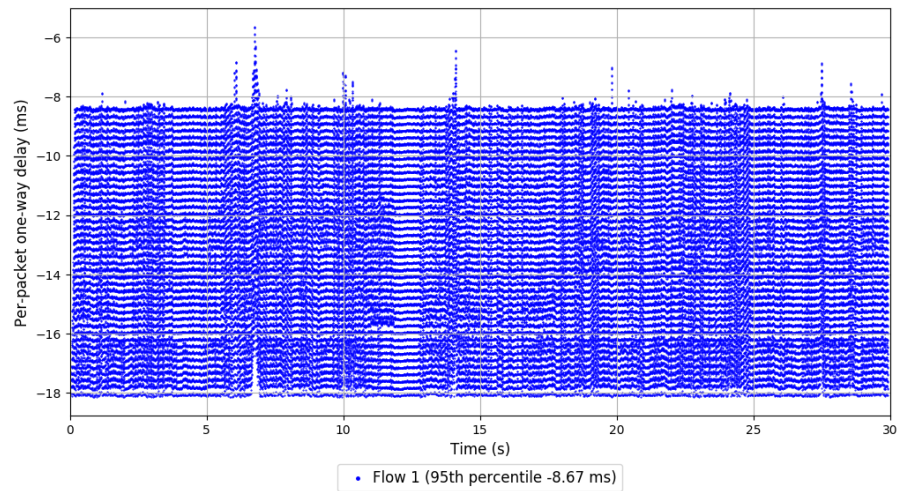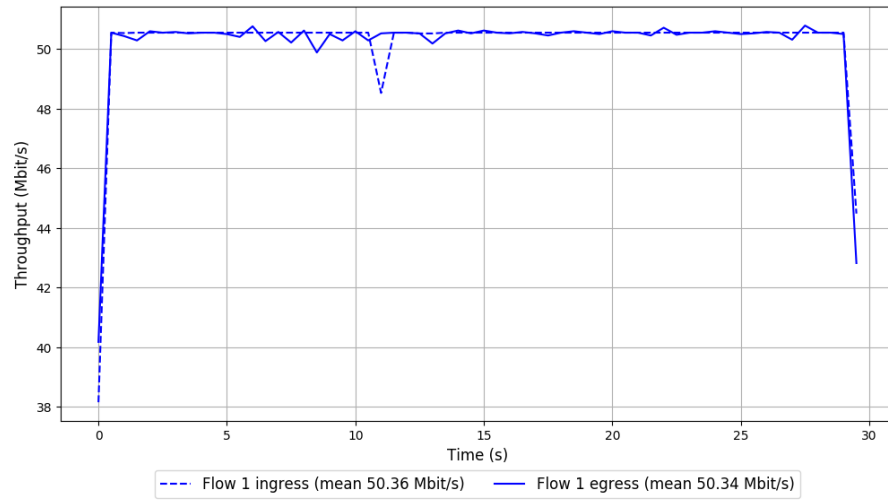
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.34 Mbit/s)   Flow 1 egress (mean 2.34 Mbit/s)

Flow 1 (95th percentile 2.99 ms)

```
Run 10: Statistics of WebRTC media

Start at: 2018-02-13 04:21:57
End at: 2018-02-13 04:22:27
Local clock offset: -4.772 ms
Remote clock offset: -5.08 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.091 ms
Loss rate: 0.00%
```
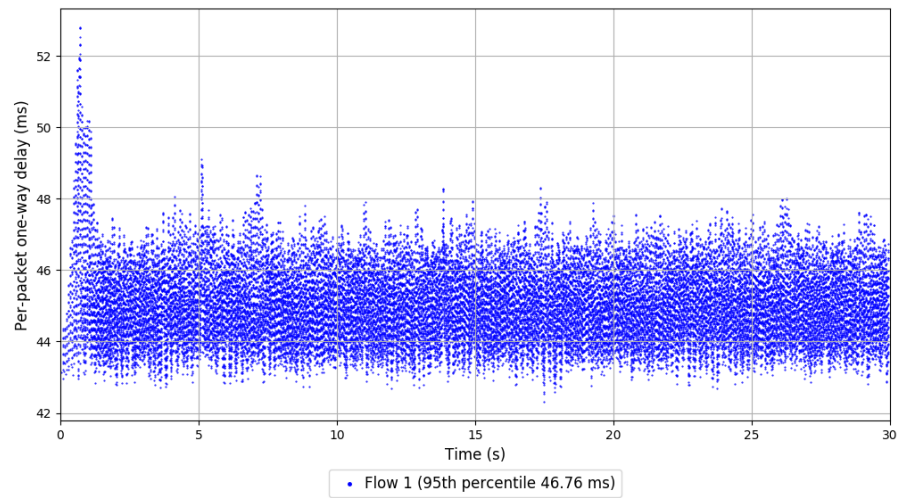
Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2018-02-13 01:21:25
End at: 2018-02-13 01:21:55
Local clock offset: -5.262 ms
Remote clock offset: -25.539 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: -8.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: -8.666 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 50.36 Mbit/s) — Flow 1 egress (mean 50.34 Mbit/s)

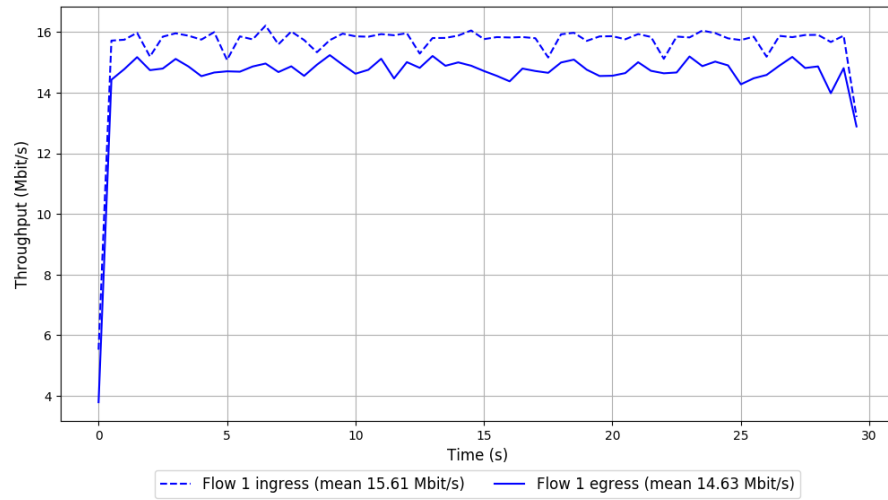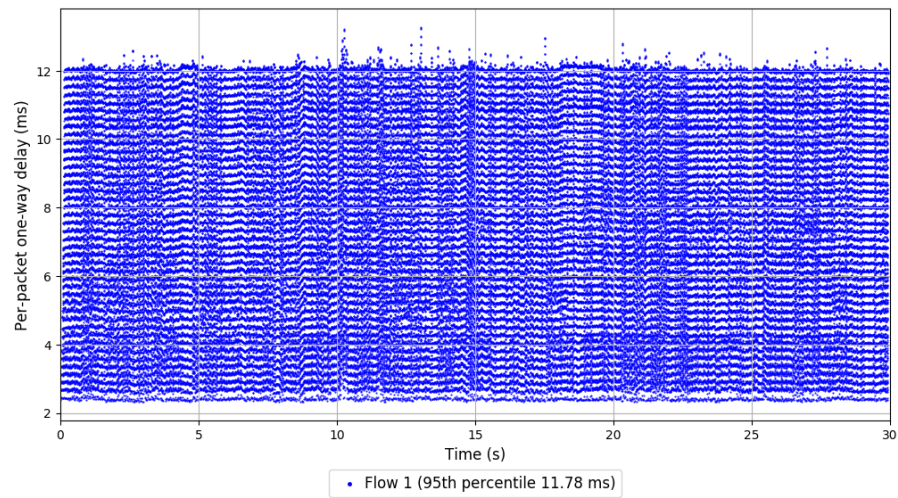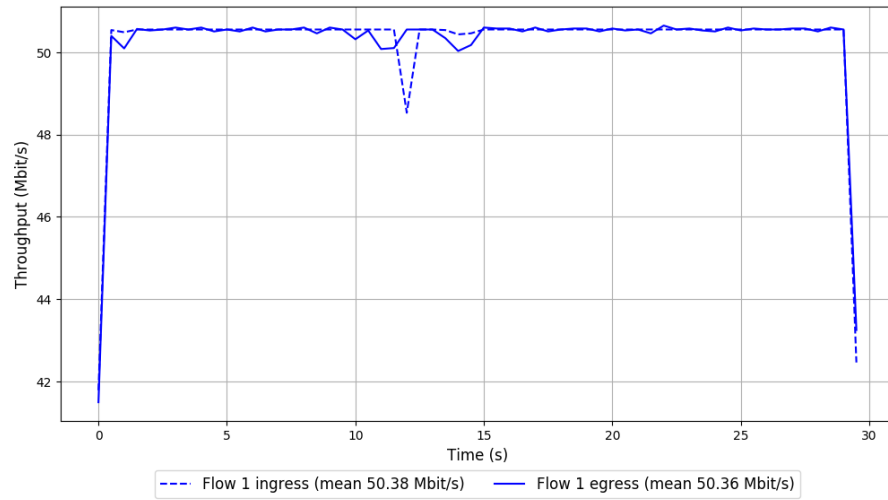• Flow 1 (95th percentile -8.67 ms)

```
Run 2: Statistics of Sprout

Start at: 2018-02-13 01:41:35
End at: 2018-02-13 01:42:05
Local clock offset: -5.332 ms
Remote clock offset: -5.265 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 46.764 ms
Loss rate: 6.39%
-- Flow 1:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 46.764 ms
Loss rate: 6.39%
```

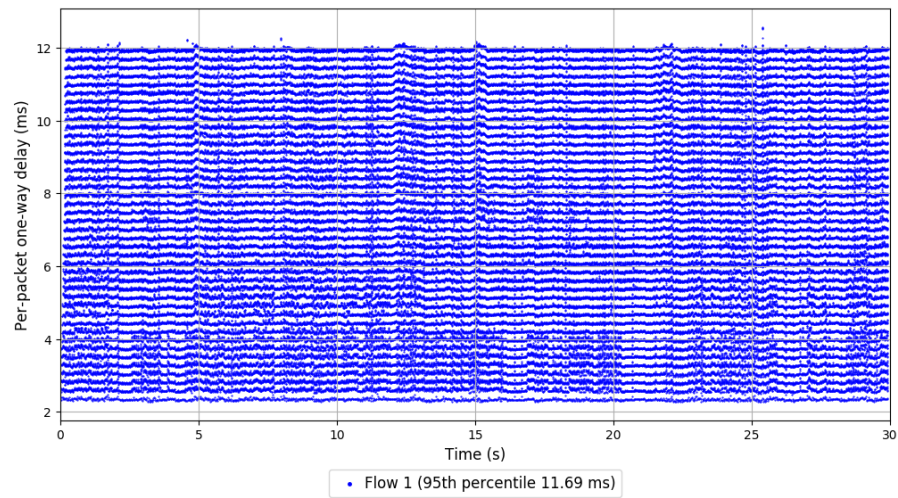Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2018-02-13 02:01:57
End at: 2018-02-13 02:02:27
Local clock offset: -5.045 ms
Remote clock offset: -4.875 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.775 ms
Loss rate: 0.00%
```

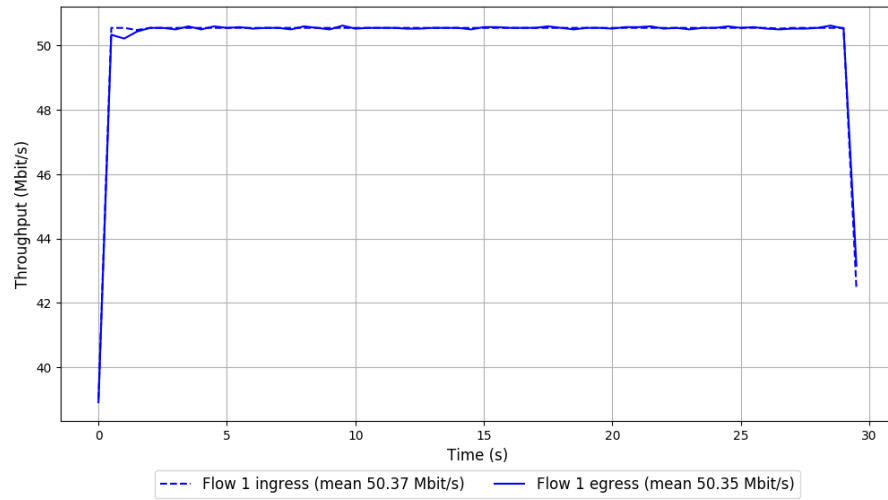Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: 2018-02-13 02:22:19
End at: 2018-02-13 02:22:49
Local clock offset: -4.734 ms
Remote clock offset: -4.758 ms


# Below is generated by plot.py at 2018-02-13 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 11.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 11.693 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 50.37 Mbit/s)   Flow 1 egress (mean 50.35 Mbit/s)

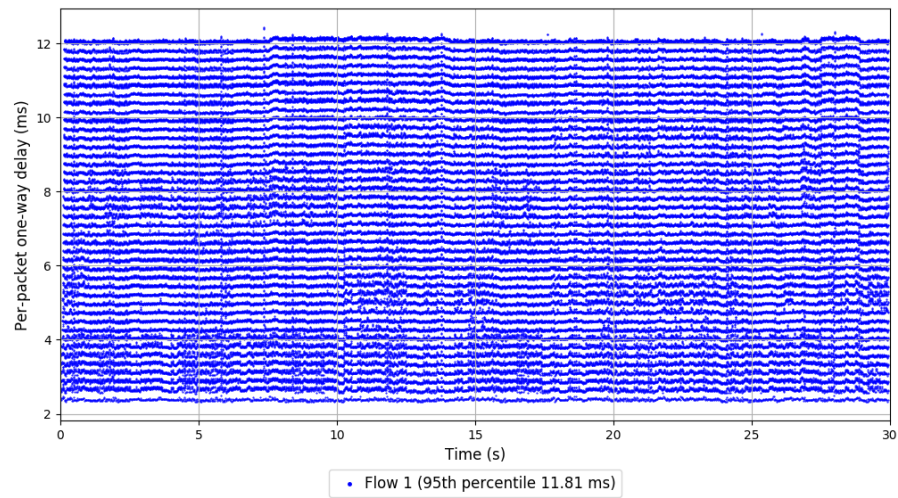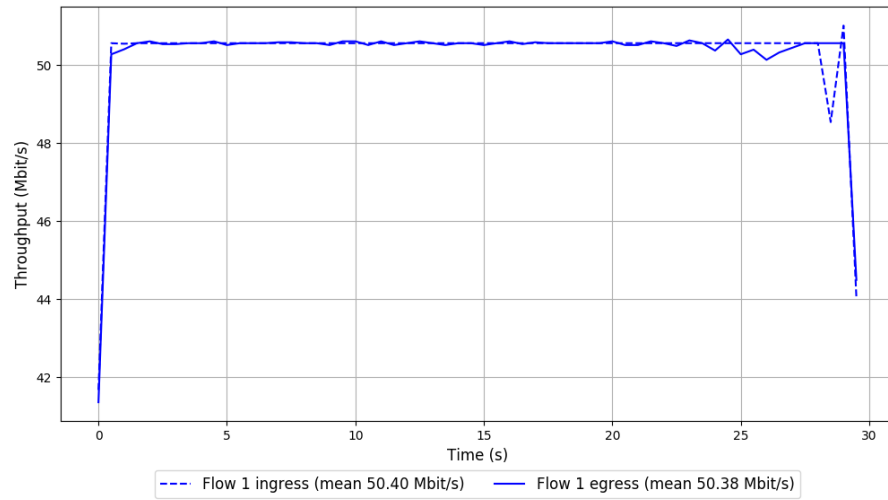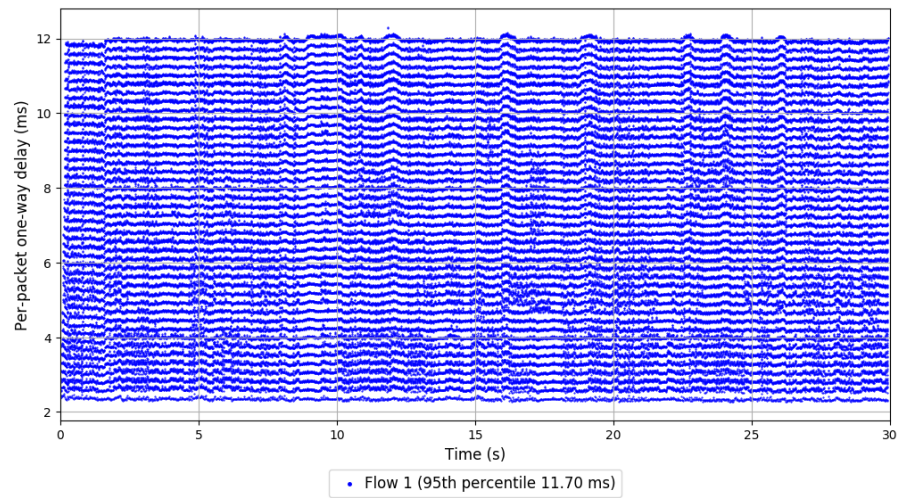• Flow 1 (95th percentile 11.69 ms)

```
Run 5: Statistics of Sprout

Start at: 2018-02-13 02:42:33
End at: 2018-02-13 02:43:03
Local clock offset: -4.624 ms
Remote clock offset: -4.739 ms


# Below is generated by plot.py at 2018-02-13 05:03:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 11.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 11.808 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 50.40 Mbit/s) ----- Flow 1 egress (mean 50.38 Mbit/s)

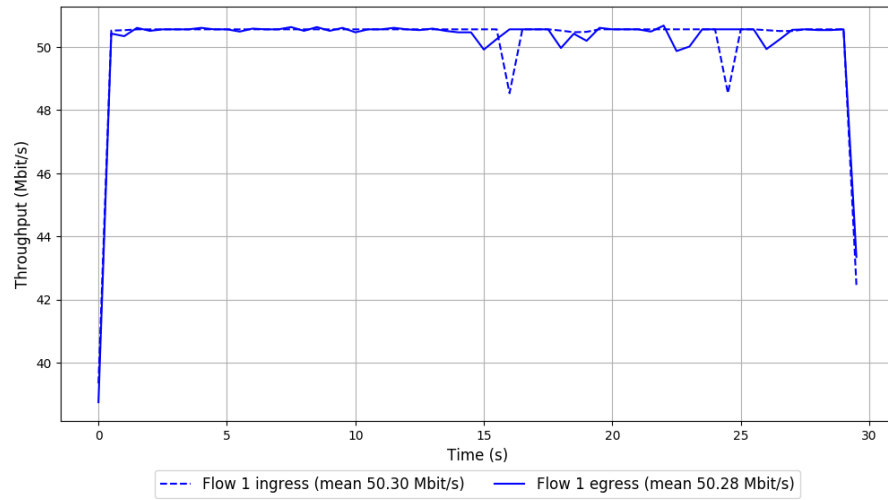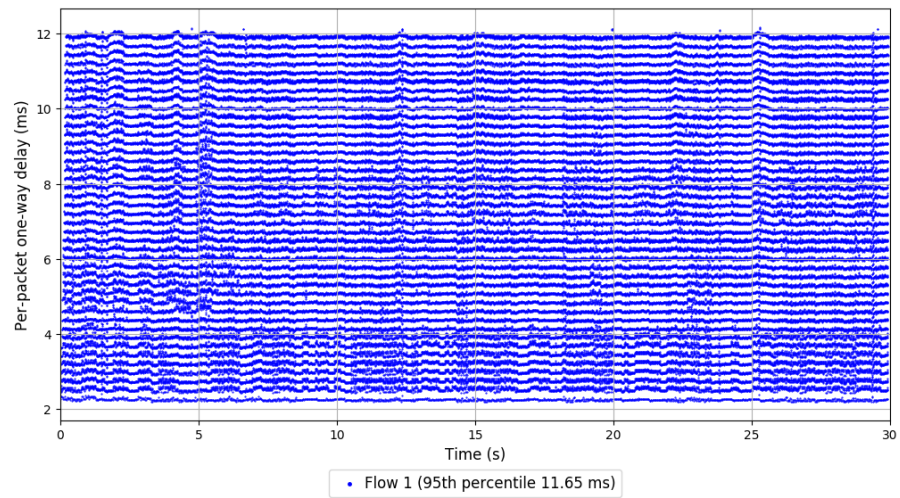• Flow 1 (95th percentile 11.81 ms)

```
Run 6: Statistics of Sprout

Start at: 2018-02-13 03:02:51
End at: 2018-02-13 03:03:21
Local clock offset: -4.55 ms
Remote clock offset: -4.897 ms


# Below is generated by plot.py at 2018-02-13 05:04:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 11.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 11.695 ms
Loss rate: 0.00%
```

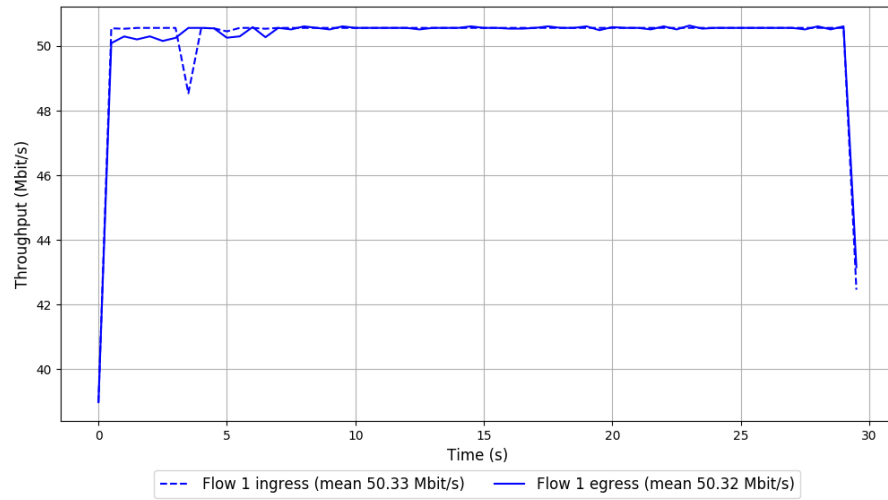## Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2018-02-13 03:23:05
End at: 2018-02-13 03:23:35
Local clock offset: -5.379 ms
Remote clock offset: -5.107 ms


# Below is generated by plot.py at 2018-02-13 05:04:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.655 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 50.33 Mbit/s) --- Flow 1 egress (mean 50.32 Mbit/s)

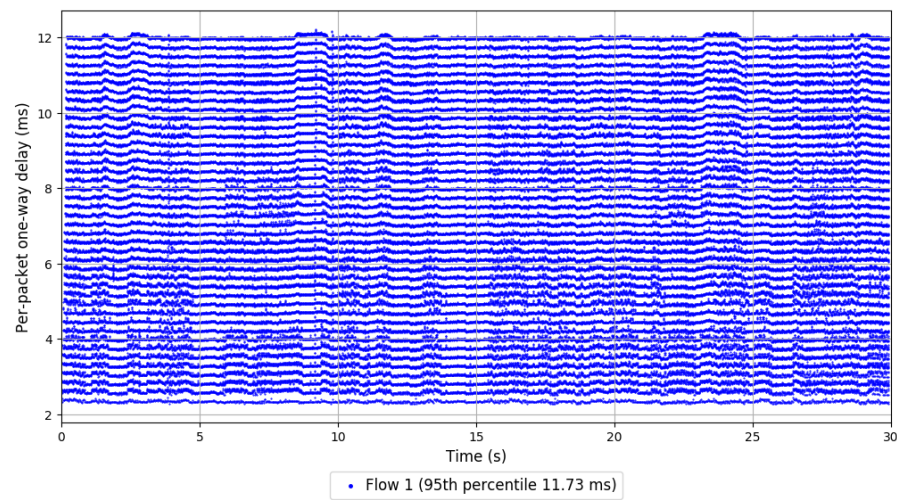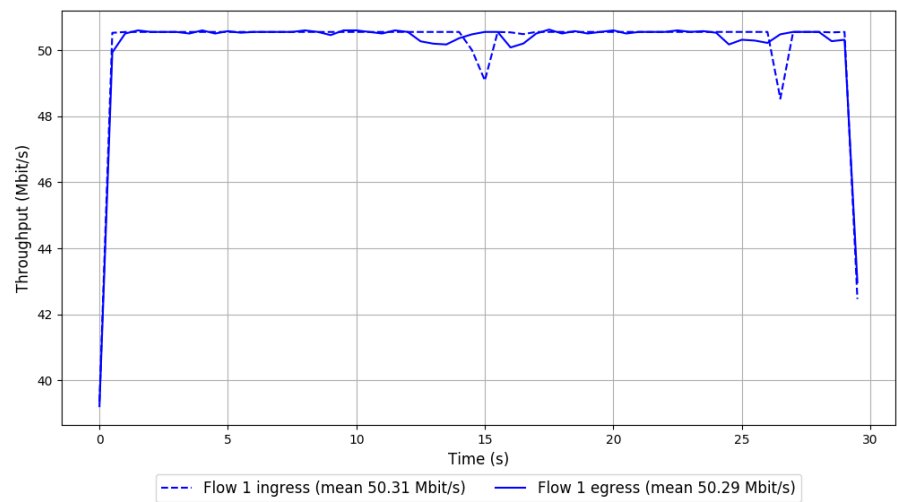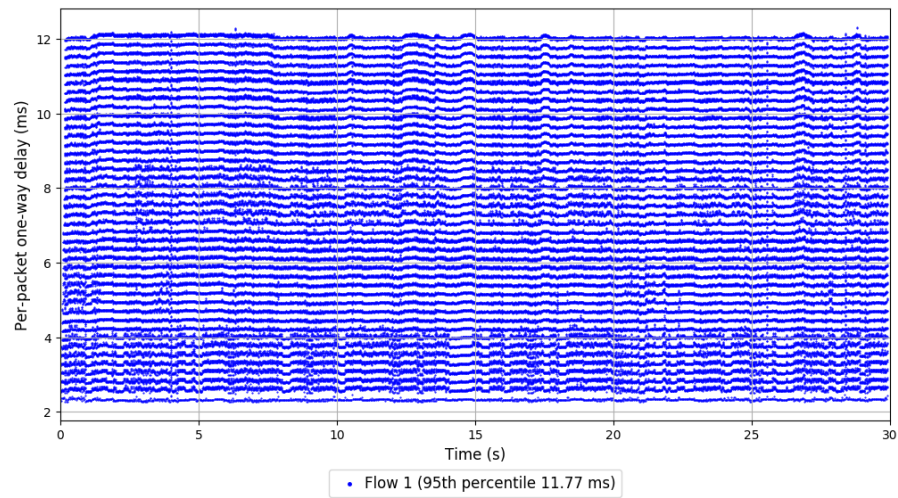• Flow 1 (95th percentile 11.65 ms)

```
Run 8: Statistics of Sprout

Start at: 2018-02-13 03:43:28
End at: 2018-02-13 03:43:58
Local clock offset: -5.495 ms
Remote clock offset: -4.849 ms


# Below is generated by plot.py at 2018-02-13 05:04:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 11.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 11.731 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 50.31 Mbit/s) ----- Flow 1 egress (mean 50.29 Mbit/s)

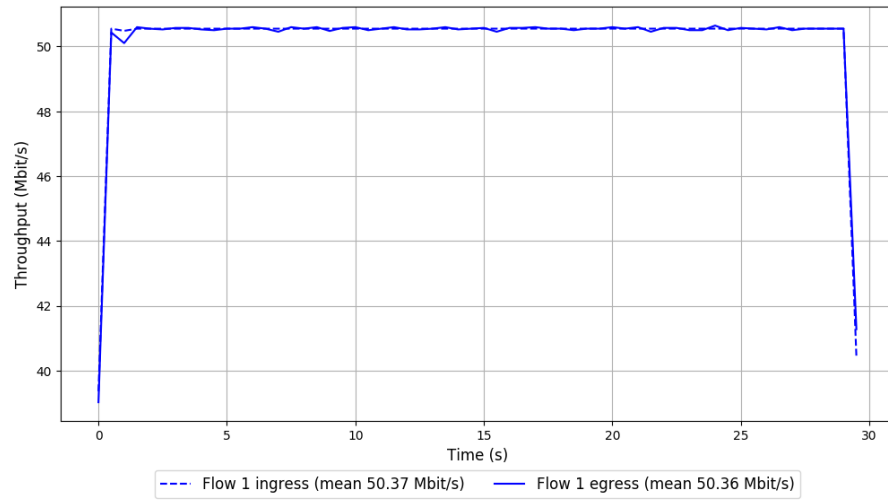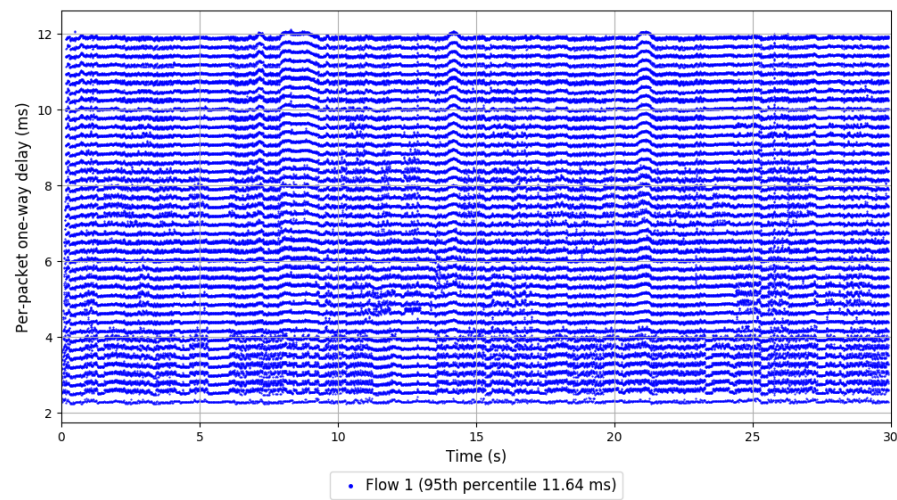• Flow 1 (95th percentile 11.73 ms)

```
Run 9: Statistics of Sprout

Start at: 2018-02-13 04:03:49
End at: 2018-02-13 04:04:19
Local clock offset: -5.536 ms
Remote clock offset: -4.829 ms


# Below is generated by plot.py at 2018-02-13 05:04:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.771 ms
Loss rate: 0.00%
```
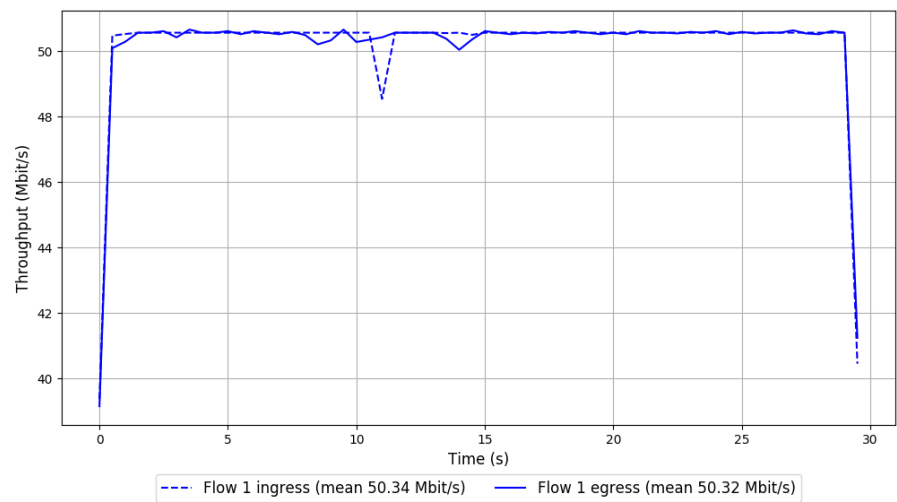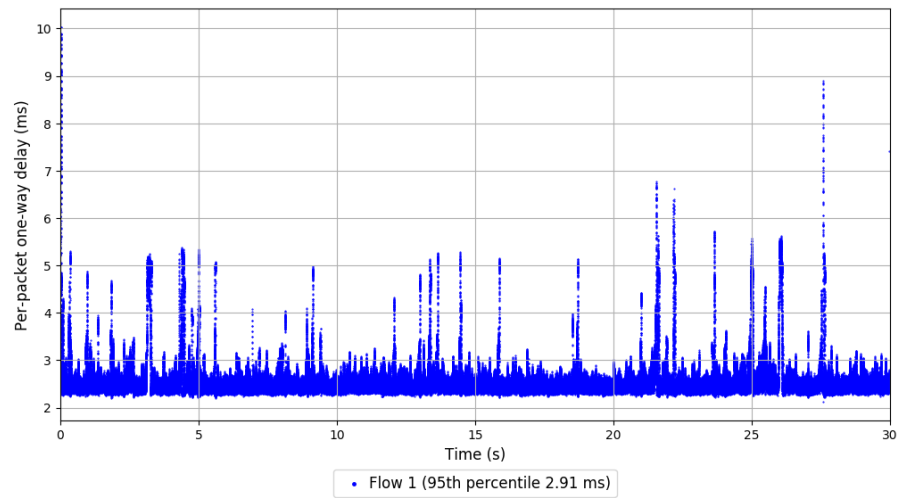
Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-02-13 04:24:10
End at: 2018-02-13 04:24:40
Local clock offset: -4.624 ms
Remote clock offset: -5.181 ms


# Below is generated by plot.py at 2018-02-13 05:04:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.645 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 50.34 Mbit/s) ----- Flow 1 egress (mean 50.32 Mbit/s) ———
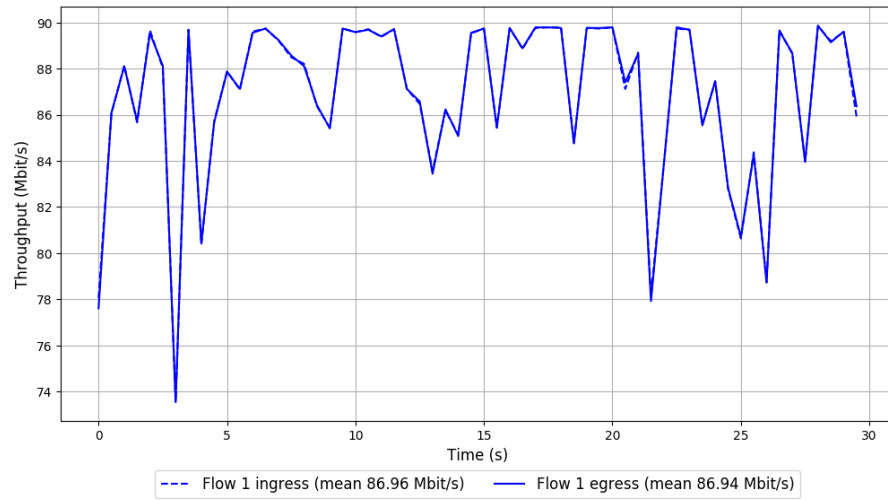

Flow 1 (95th percentile 11.64 ms)

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

Start at: 2018-02-13 01:09:04
End at: 2018-02-13 01:09:34
Local clock offset: -5.171 ms
Remote clock offset: -4.991 ms


# Below is generated by plot.py at 2018-02-13 05:05:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 2.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 2.909 ms
Loss rate: 0.00%
```
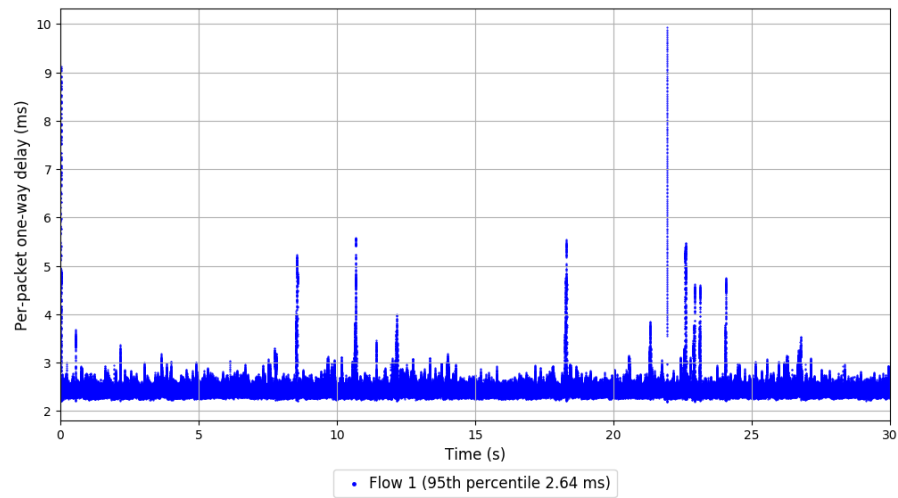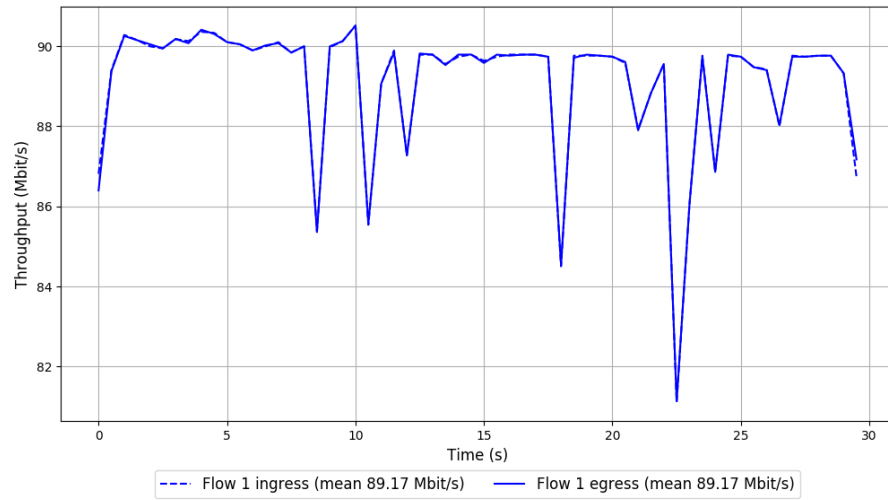
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 86.96 Mbit/s) --- Flow 1 egress (mean 86.94 Mbit/s)
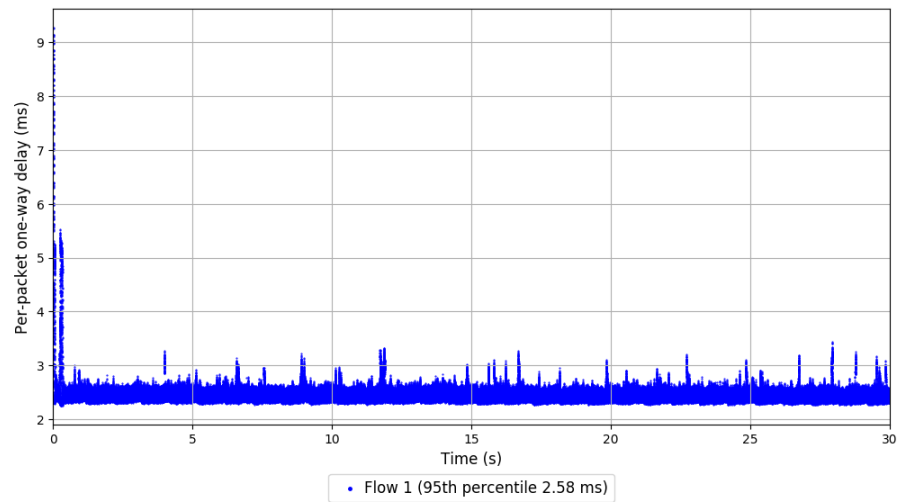

Flow 1 (95th percentile 2.91 ms)

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

Start at: 2018-02-13 01:29:14
End at: 2018-02-13 01:29:44
Local clock offset: -5.239 ms
Remote clock offset: -5.213 ms


# Below is generated by plot.py at 2018-02-13 05:06:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 2.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 2.636 ms
Loss rate: 0.00%
```
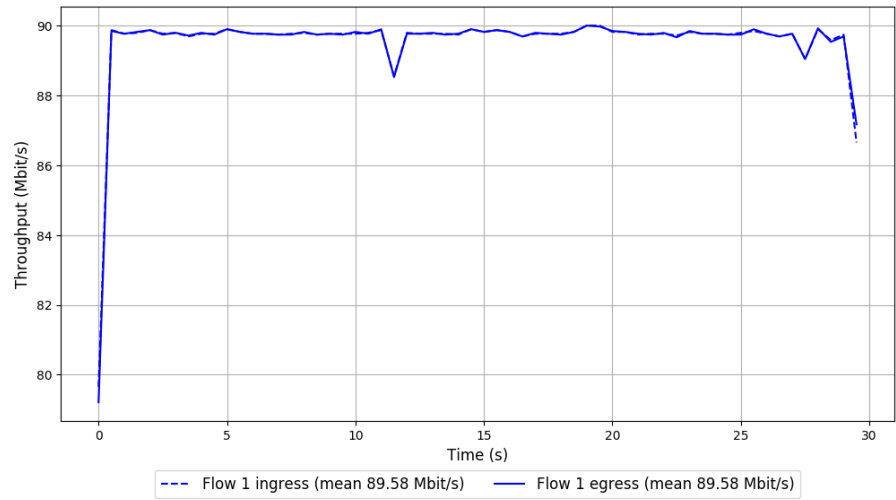
Run 2: Report of TaoVA-100x — Data Link

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

Start at: 2018-02-13 01:49:29
End at: 2018-02-13 01:49:59
Local clock offset: -5.401 ms
Remote clock offset: -5.206 ms


# Below is generated by plot.py at 2018-02-13 05:06:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 2.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 2.575 ms
Loss rate: 0.00%
```

Run 3: Report of TaoVA-100x — Data Link
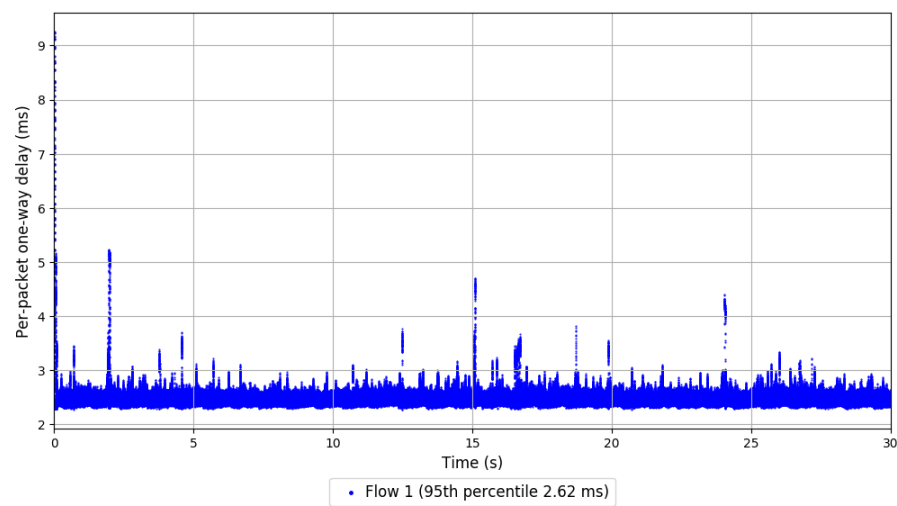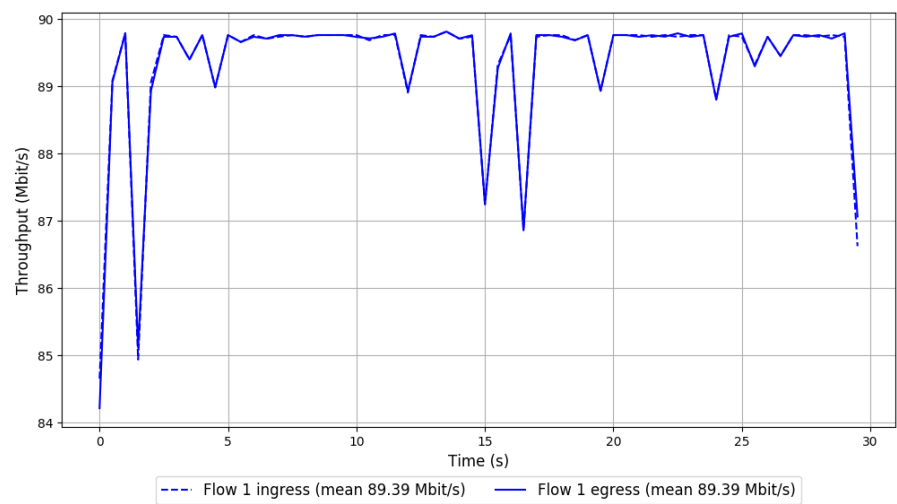

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```
Run 4: Statistics of TaoVA-100x

Start at: 2018-02-13 02:09:52
End at: 2018-02-13 02:10:22
Local clock offset: -4.832 ms
Remote clock offset: -4.809 ms


# Below is generated by plot.py at 2018-02-13 05:06:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 2.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 2.616 ms
Loss rate: 0.00%
```
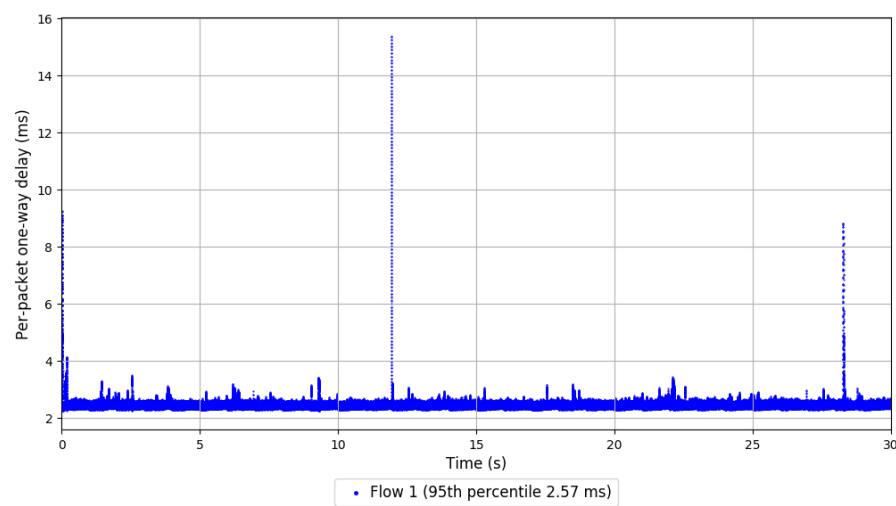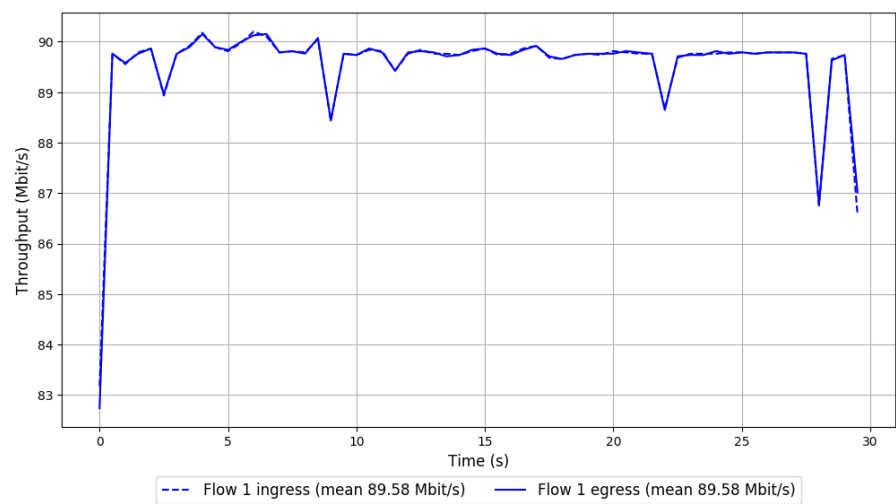
Run 4: Report of TaoVA-100x — Data Link

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

Start at: 2018-02-13 02:30:09
End at: 2018-02-13 02:30:40
Local clock offset: -4.663 ms
Remote clock offset: -4.777 ms


# Below is generated by plot.py at 2018-02-13 05:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 2.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 2.573 ms
Loss rate: 0.00%
```
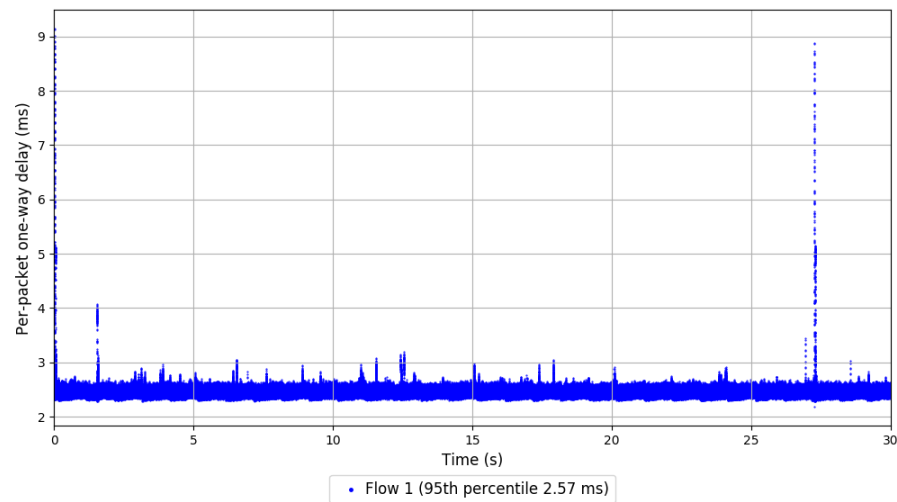
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 89.58 Mbit/s) Flow 1 egress (mean 89.58 Mbit/s)

Flow 1 (95th percentile 2.57 ms)

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

Start at: 2018-02-13 02:50:24
End at: 2018-02-13 02:50:54
Local clock offset: -4.508 ms
Remote clock offset: -4.7 ms


# Below is generated by plot.py at 2018-02-13 05:06:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 2.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 2.568 ms
Loss rate: 0.00%
```
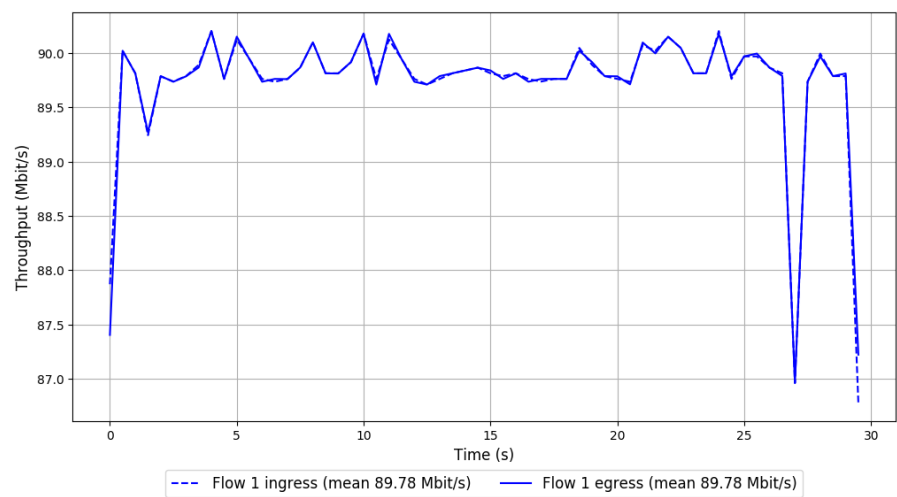
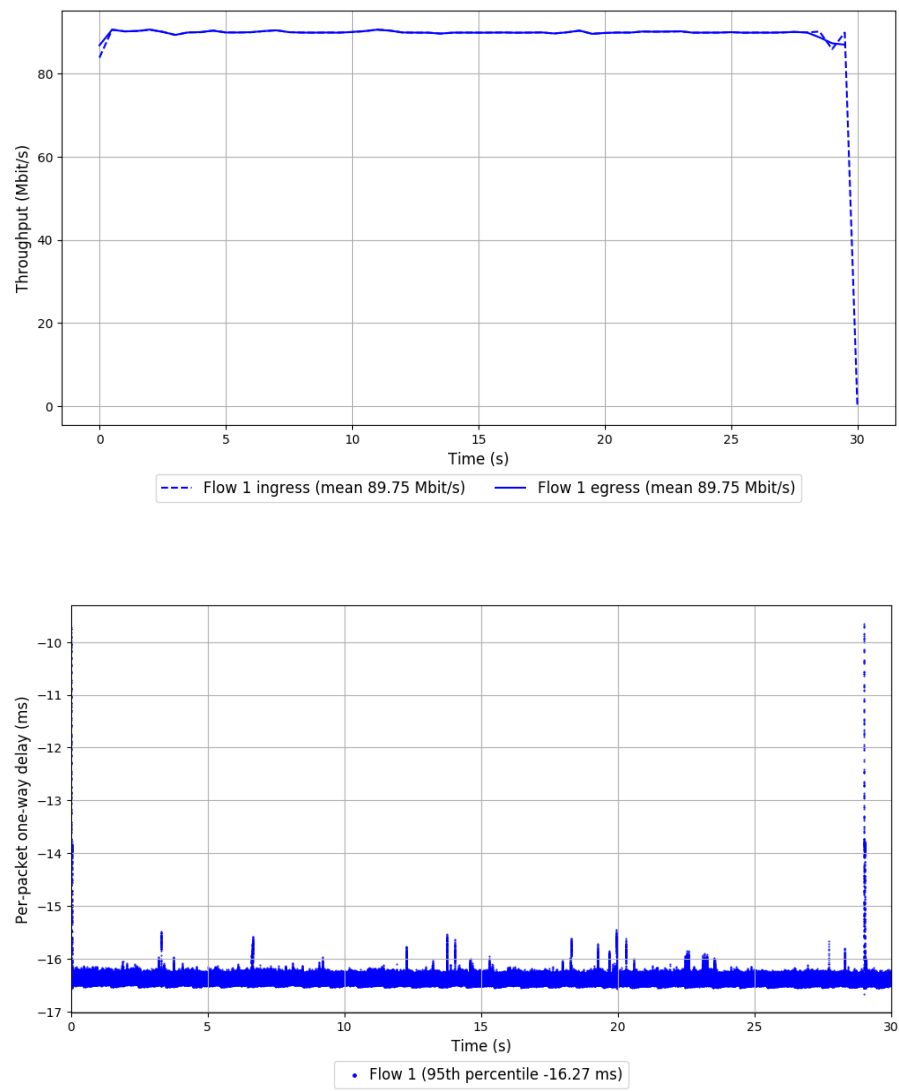# Run 6: Report of TaoVA-100x — Data Link

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

Start at: 2018-02-13 03:10:41
End at: 2018-02-13 03:11:11
Local clock offset: -5.088 ms
Remote clock offset: -23.878 ms


# Below is generated by plot.py at 2018-02-13 05:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: -16.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: -16.272 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 89.75 Mbit/s)   Flow 1 egress (mean 89.75 Mbit/s)
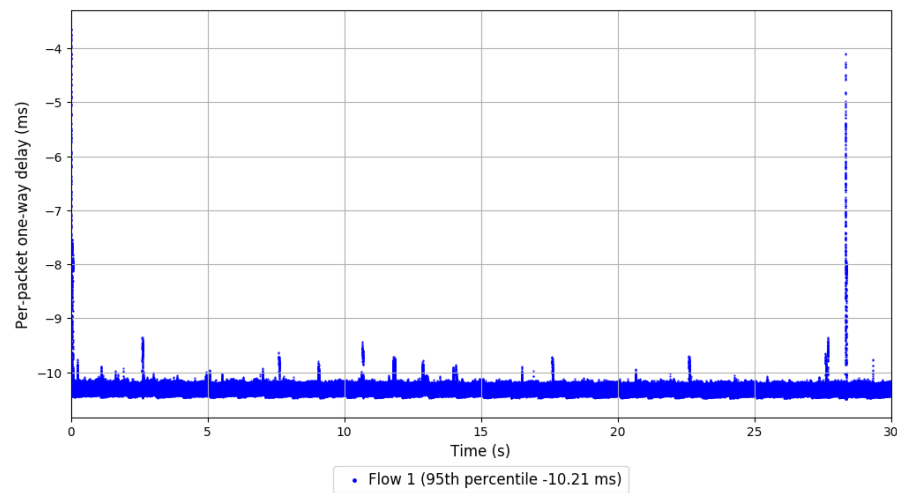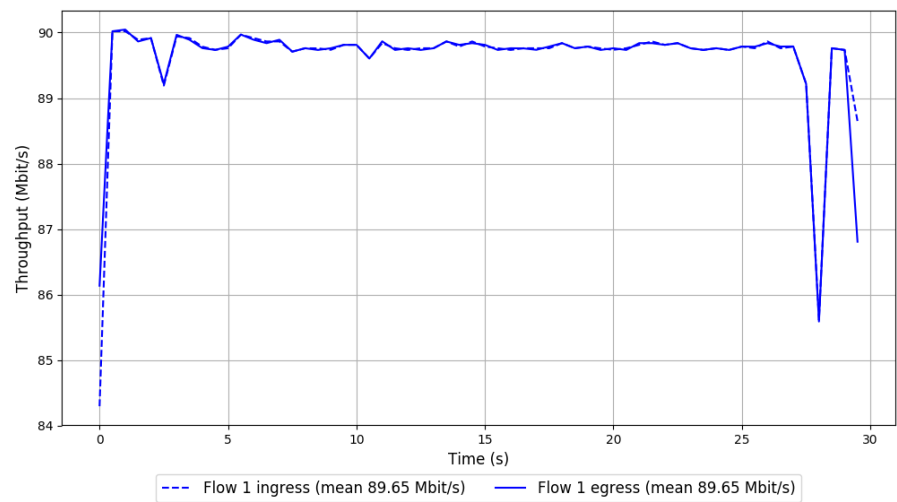

Flow 1 (95th percentile -16.27 ms)

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

Start at: 2018-02-13 03:31:01
End at: 2018-02-13 03:31:31
Local clock offset: -5.574 ms
Remote clock offset: -17.805 ms

# Below is generated by plot.py at 2018-02-13 05:06:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: -10.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: -10.211 ms
Loss rate: 0.00%
```

Run 8: Report of TaoVA-100x — Data Link

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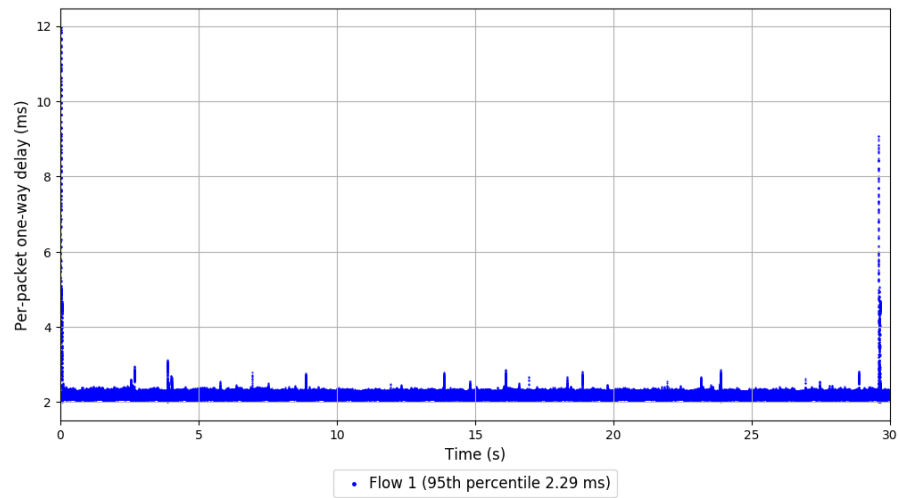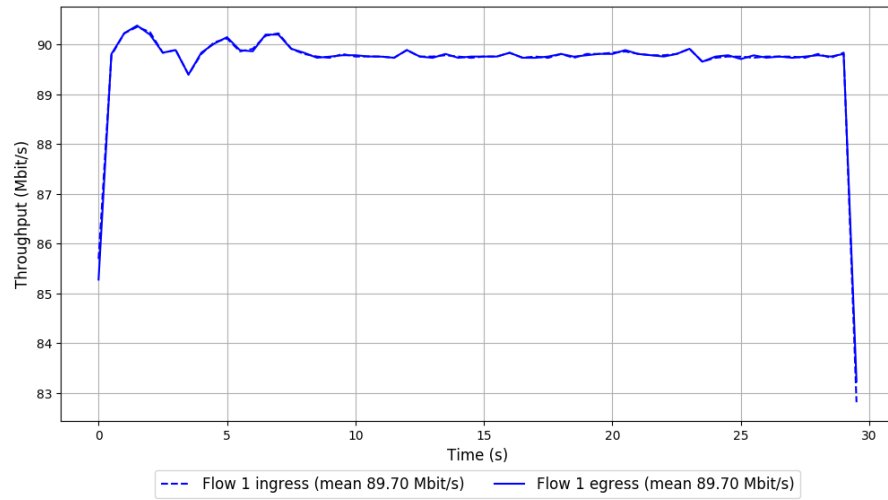

Flow 1 (95th percentile -10.21 ms)

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

Start at: 2018-02-13 03:51:23
End at: 2018-02-13 03:51:53
Local clock offset: -5.571 ms
Remote clock offset: -5.166 ms


# Below is generated by plot.py at 2018-02-13 05:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
```
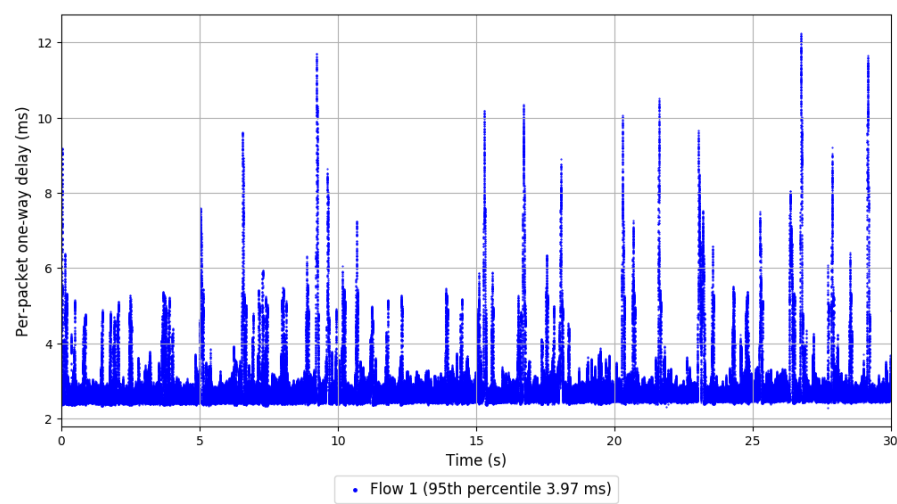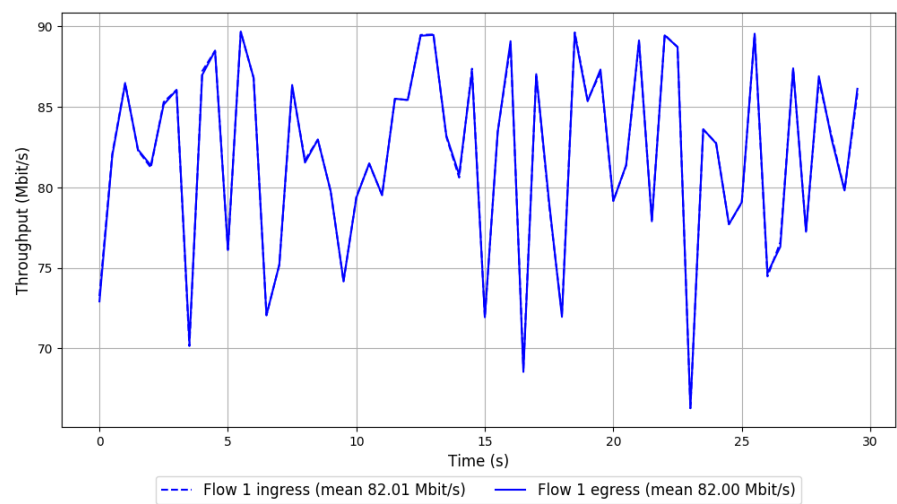
Run 9: Report of TaoVA-100x — Data Link

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

Start at: 2018-02-13 04:11:44
End at: 2018-02-13 04:12:14
Local clock offset: -5.488 ms
Remote clock offset: -4.996 ms


# Below is generated by plot.py at 2018-02-13 05:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 3.969 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 3.969 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 82.01 Mbit/s)   Flow 1 egress (mean 82.00 Mbit/s)

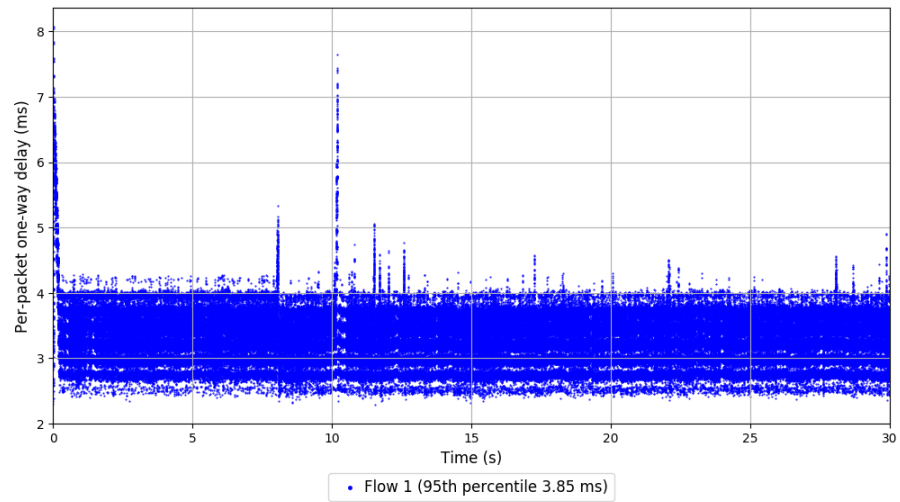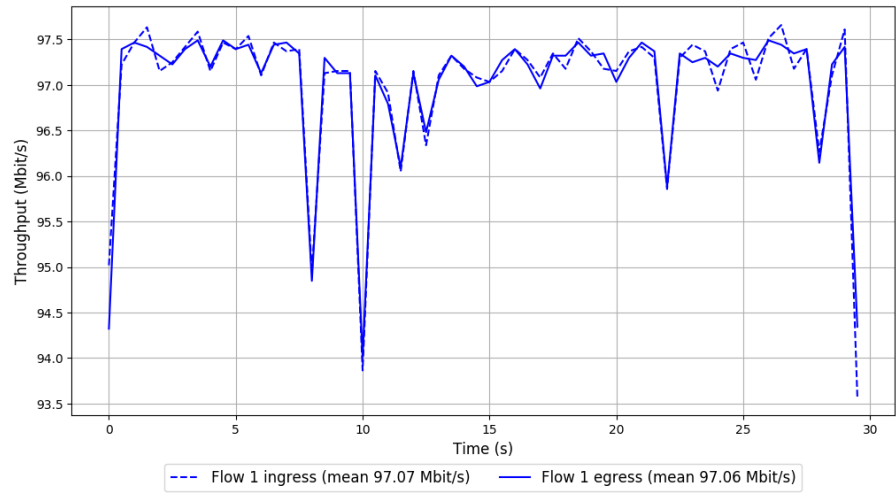

Flow 1 (95th percentile 3.97 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-02-13 01:18:05
End at: 2018-02-13 01:18:35
Local clock offset: -5.187 ms
Remote clock offset: -5.013 ms


# Below is generated by plot.py at 2018-02-13 05:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 3.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 3.851 ms
Loss rate: 0.00%
```
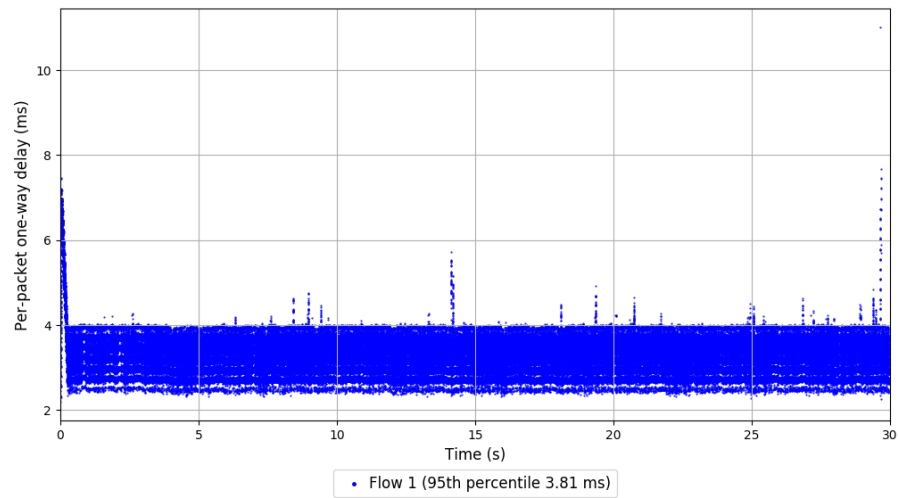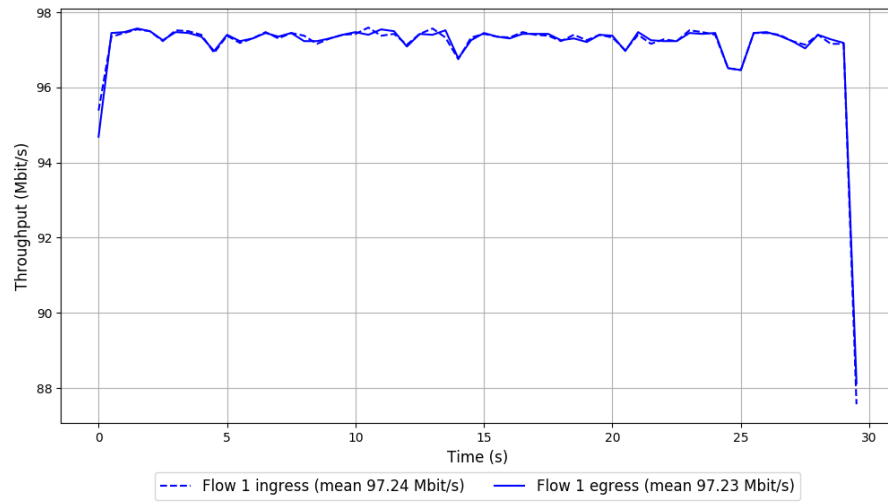
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-02-13 01:38:19
End at: 2018-02-13 01:38:49
Local clock offset: -5.279 ms
Remote clock offset: -5.223 ms


# Below is generated by plot.py at 2018-02-13 05:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 3.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 3.814 ms
Loss rate: 0.00%
```
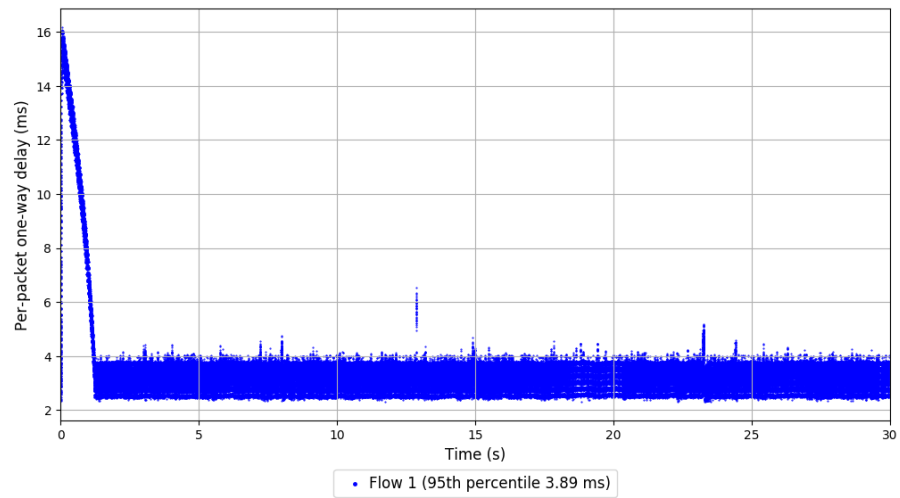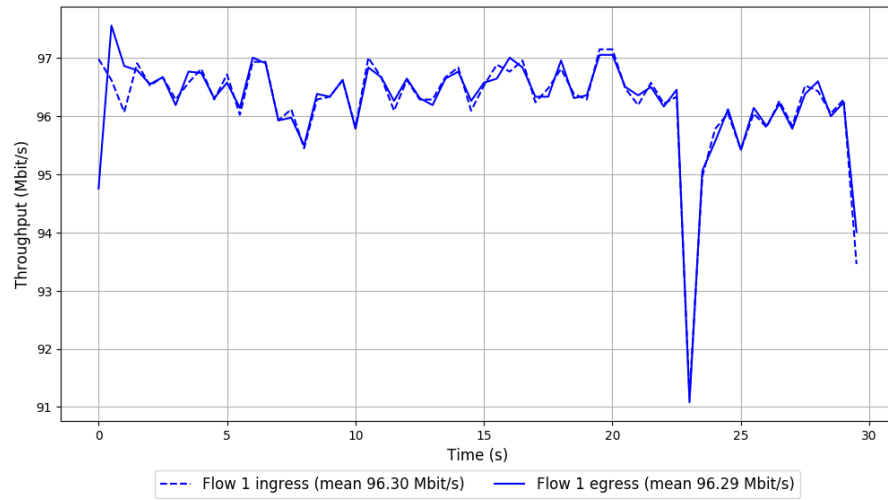
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-02-13 01:58:36
End at: 2018-02-13 01:59:06
Local clock offset: -5.145 ms
Remote clock offset: -4.923 ms


# Below is generated by plot.py at 2018-02-13 05:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 3.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 3.889 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.30 Mbit/s) --- Flow 1 egress (mean 96.29 Mbit/s)

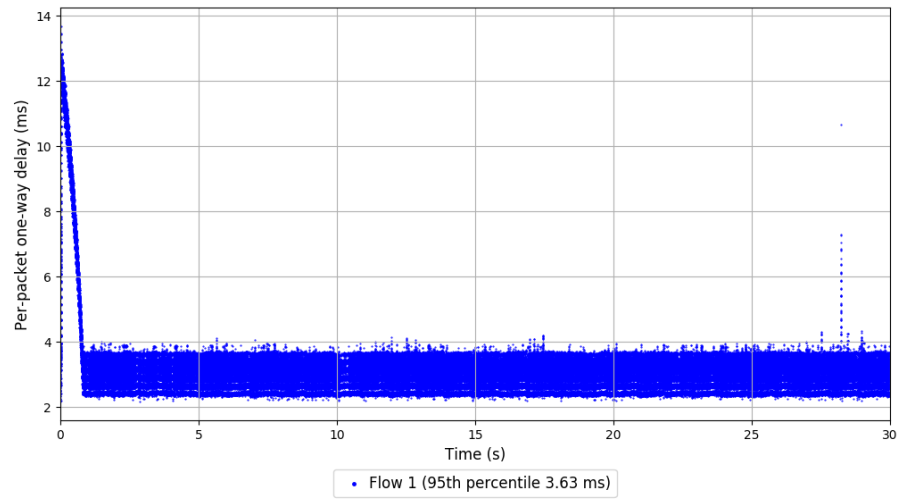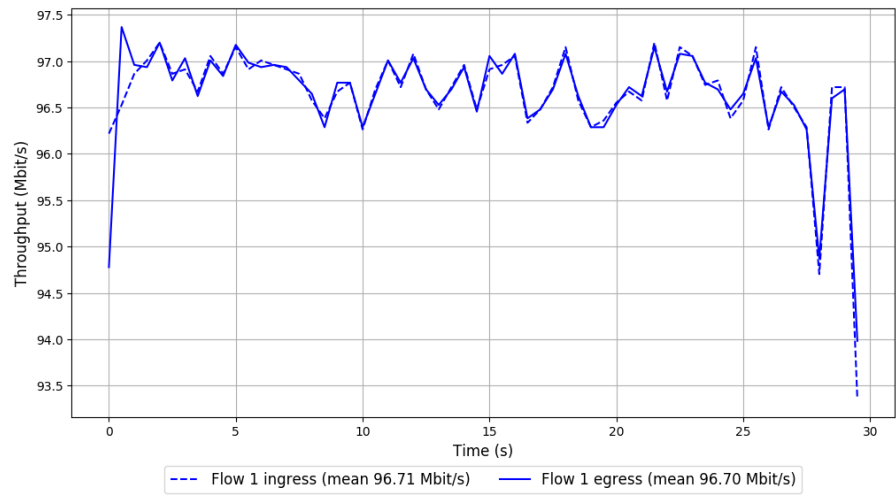

Flow 1 (95th percentile 3.89 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-02-13 02:18:59
End at: 2018-02-13 02:19:29
Local clock offset: -4.725 ms
Remote clock offset: -4.823 ms


# Below is generated by plot.py at 2018-02-13 05:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 3.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 3.634 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.71 Mbit/s) —— Flow 1 egress (mean 96.70 Mbit/s)

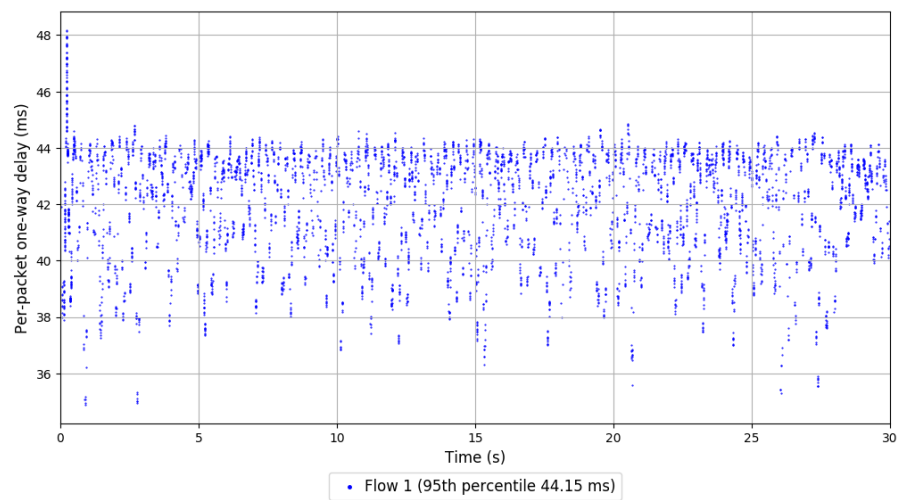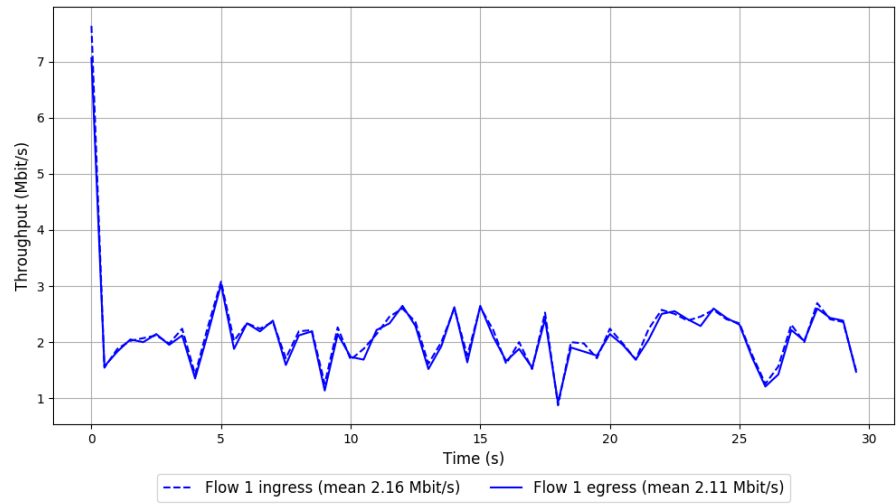• Flow 1 (95th percentile 3.63 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2018-02-13 02:39:16
End at: 2018-02-13 02:39:46
Local clock offset: -4.574 ms
Remote clock offset: -4.742 ms


# Below is generated by plot.py at 2018-02-13 05:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 44.151 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 44.151 ms
Loss rate: 2.59%
```
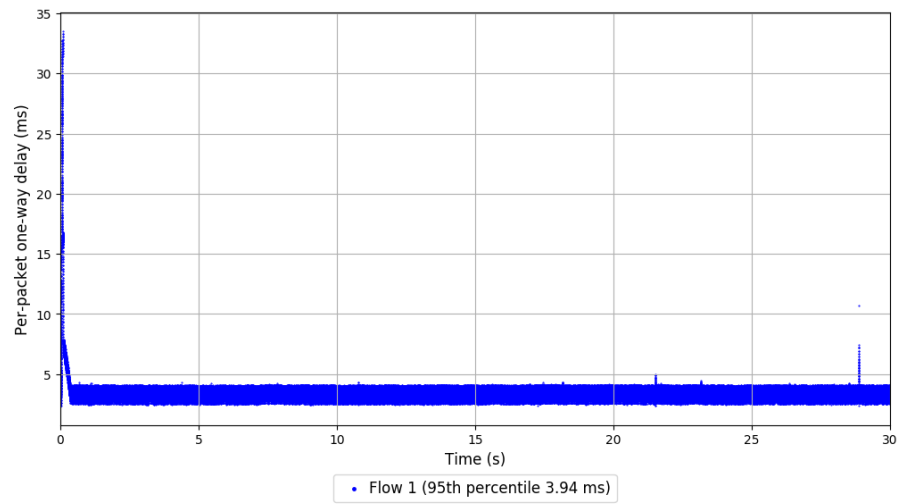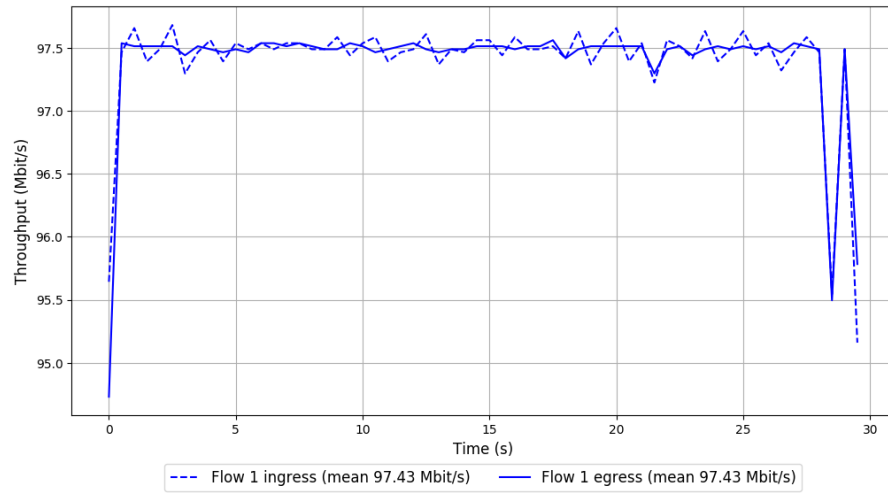
Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: 2018-02-13 02:59:31
End at: 2018-02-13 03:00:01
Local clock offset: -4.521 ms
Remote clock offset: -4.842 ms


# Below is generated by plot.py at 2018-02-13 05:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 3.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 3.936 ms
Loss rate: 0.00%
```
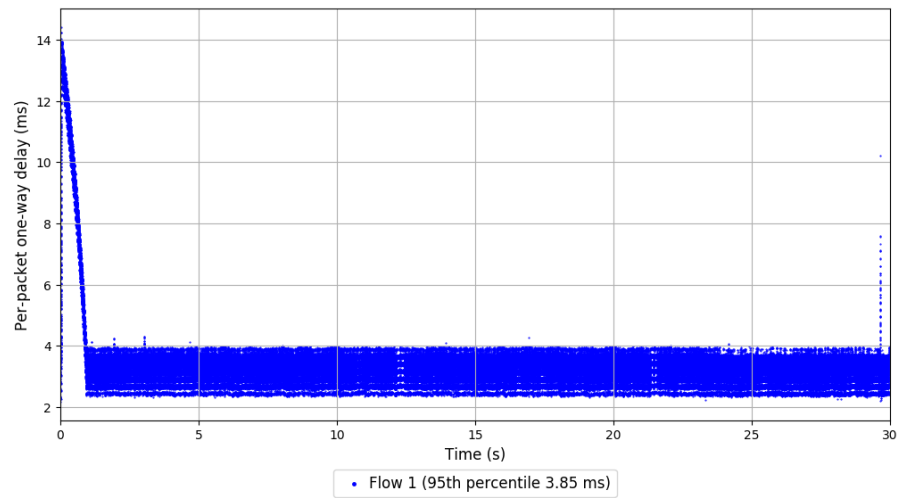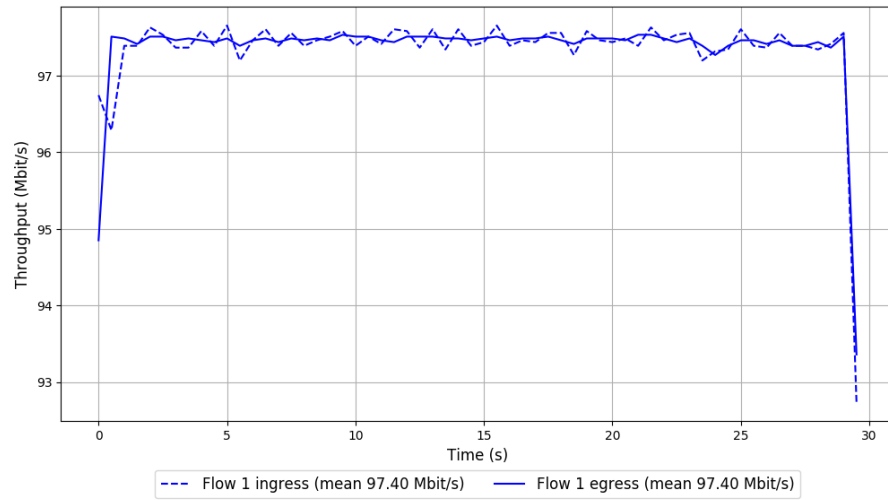
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2018-02-13 03:19:49
End at: 2018-02-13 03:20:19
Local clock offset: -5.311 ms
Remote clock offset: -5.096 ms


# Below is generated by plot.py at 2018-02-13 05:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 3.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 3.846 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.40 Mbit/s) --- Flow 1 egress (mean 97.40 Mbit/s)

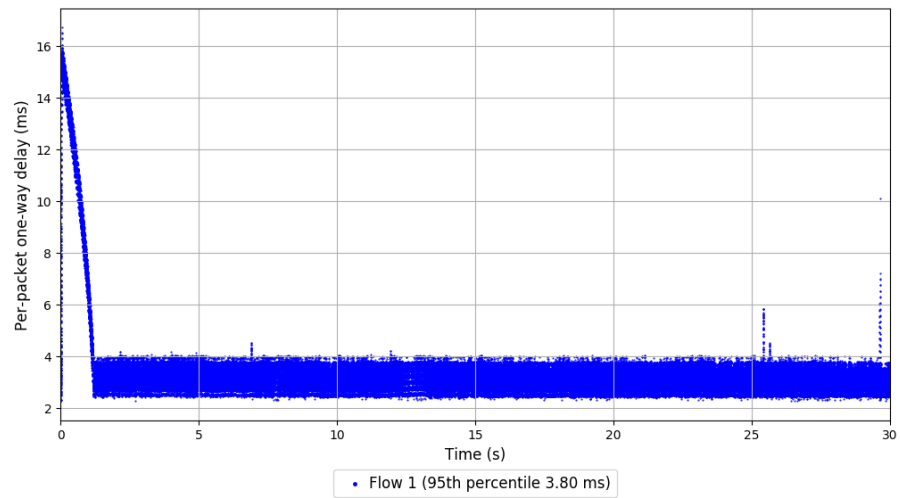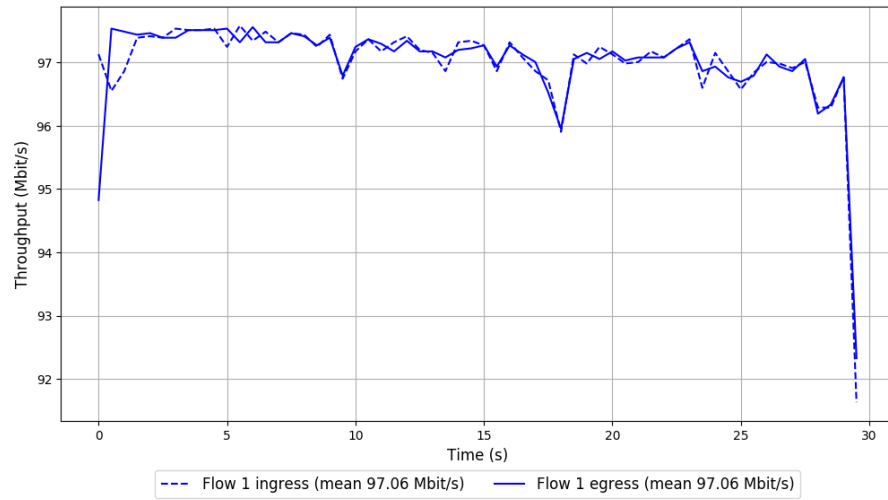

Flow 1 (95th percentile 3.85 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-02-13 03:40:08
End at: 2018-02-13 03:40:38
Local clock offset: -5.522 ms
Remote clock offset: -4.875 ms


# Below is generated by plot.py at 2018-02-13 05:09:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 3.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 3.802 ms
Loss rate: 0.00%
```
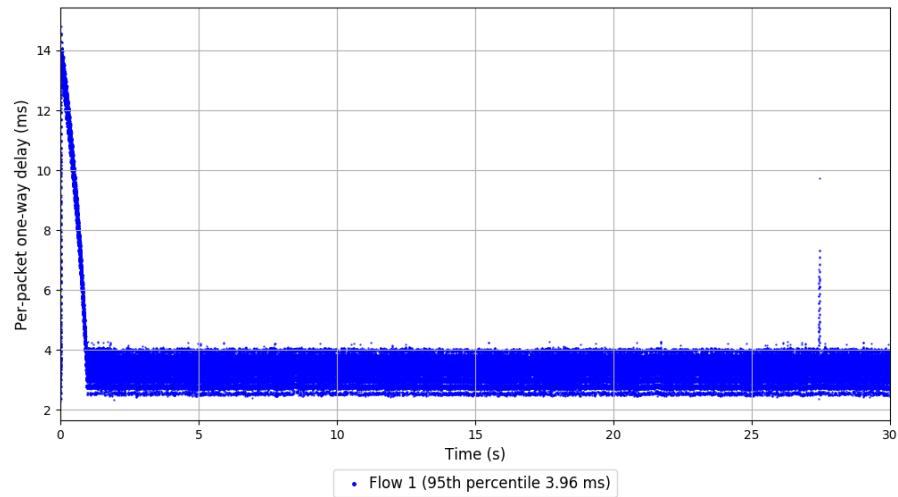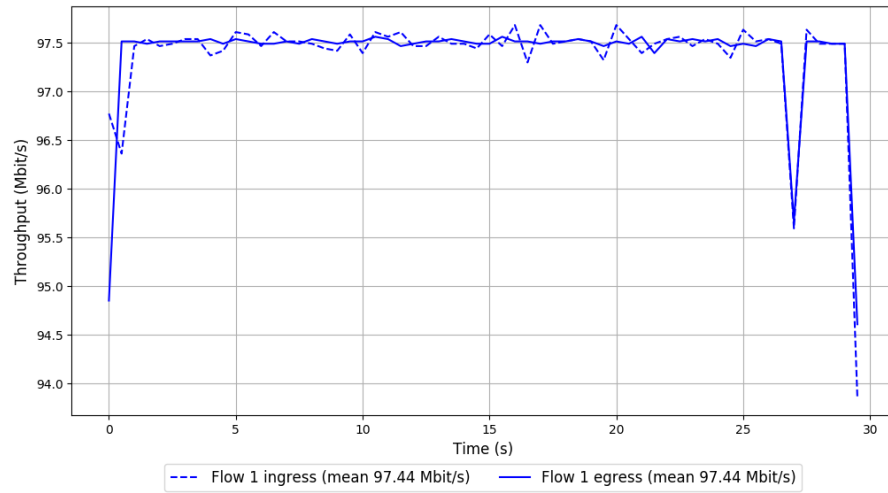
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: 2018-02-13 04:00:28
End at: 2018-02-13 04:00:58
Local clock offset: -5.569 ms
Remote clock offset: -4.815 ms


# Below is generated by plot.py at 2018-02-13 05:09:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.960 ms
Loss rate: 0.00%
```
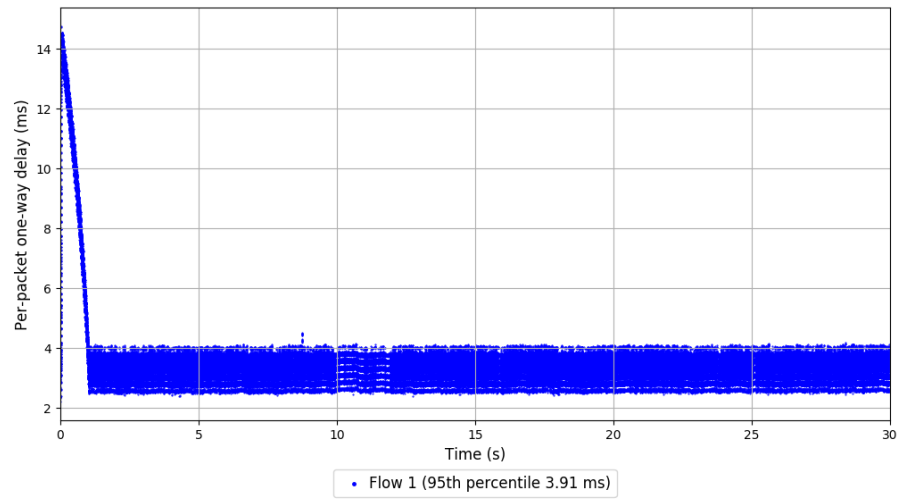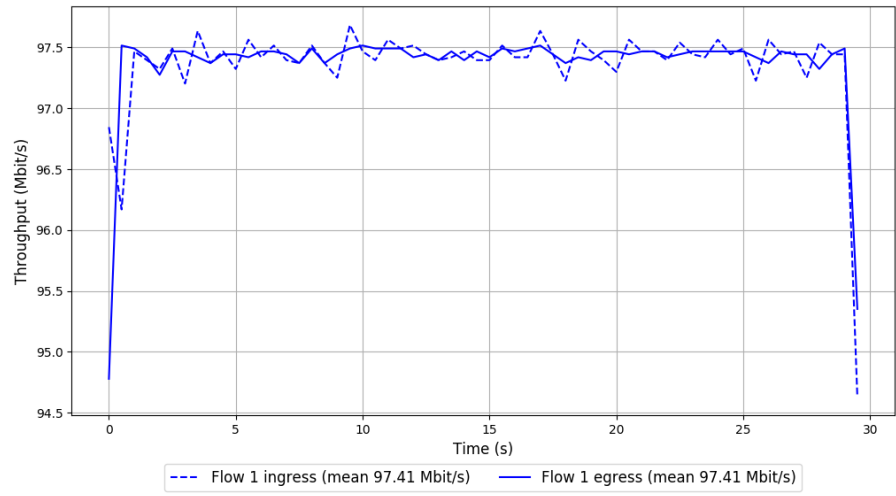
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2018-02-13 04:20:49
End at: 2018-02-13 04:21:19
Local clock offset: -4.791 ms
Remote clock offset: -5.089 ms


# Below is generated by plot.py at 2018-02-13 05:09:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 3.913 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 3.913 ms
Loss rate: 0.00%
```
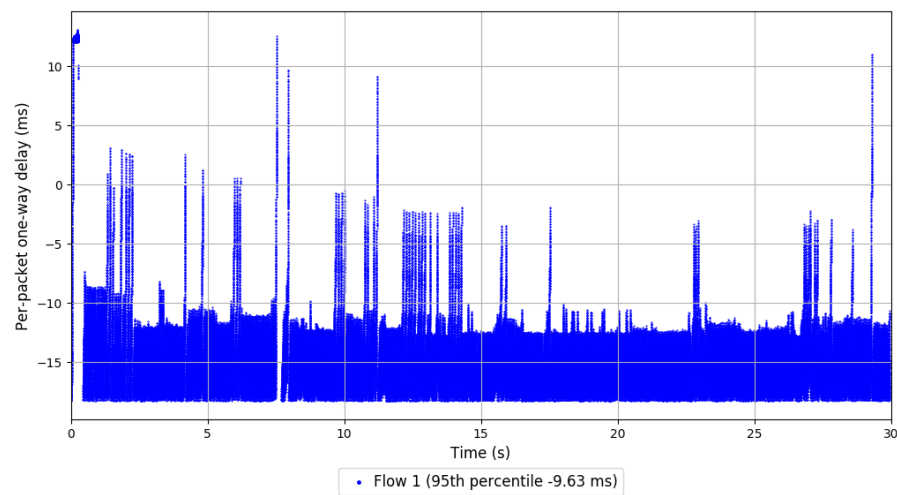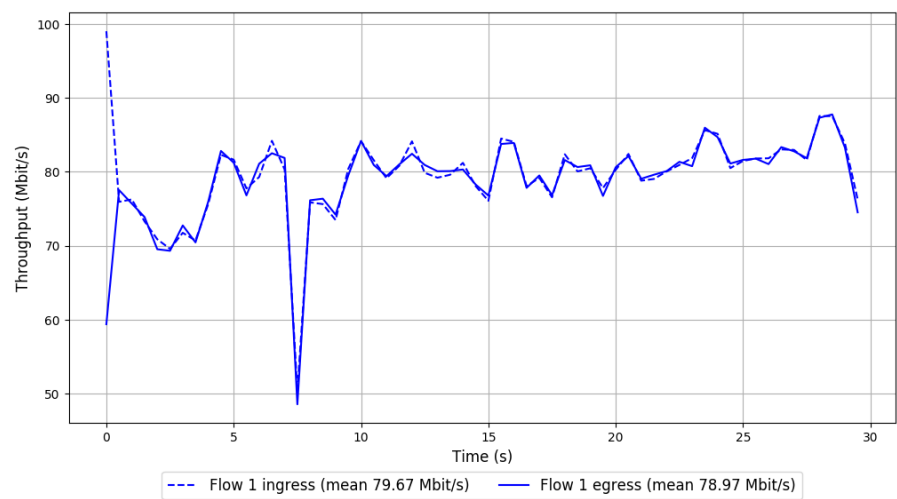
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2018-02-13 01:12:27
End at: 2018-02-13 01:12:58
Local clock offset: -5.172 ms
Remote clock offset: -25.53 ms


# Below is generated by plot.py at 2018-02-13 05:09:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.97 Mbit/s
95th percentile per-packet one-way delay: -9.633 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 78.97 Mbit/s
95th percentile per-packet one-way delay: -9.633 ms
Loss rate: 0.86%
```

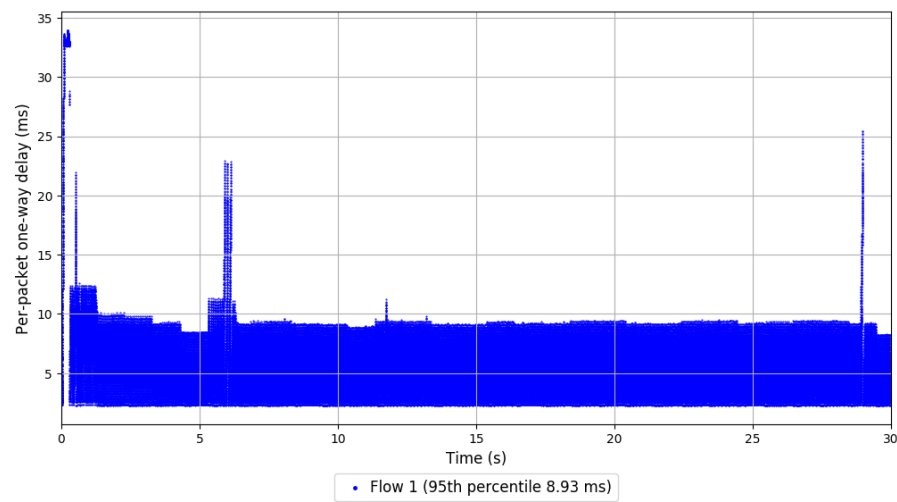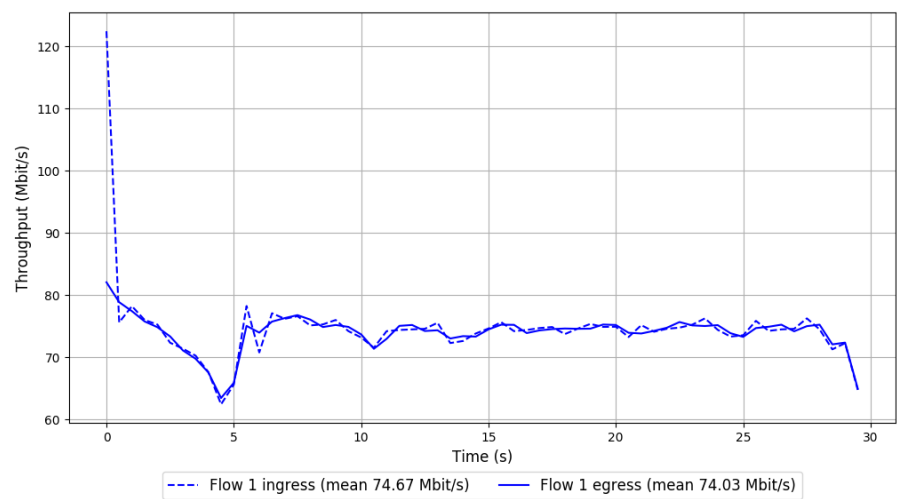Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-02-13 01:32:37
End at: 2018-02-13 01:33:07
Local clock offset: -5.35 ms
Remote clock offset: -5.257 ms

# Below is generated by plot.py at 2018-02-13 05:09:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 8.930 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 8.930 ms
Loss rate: 0.83%
```

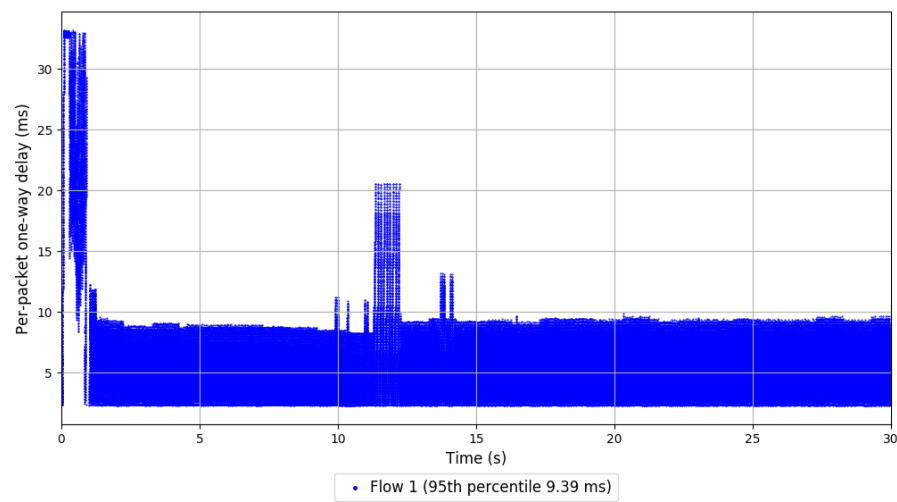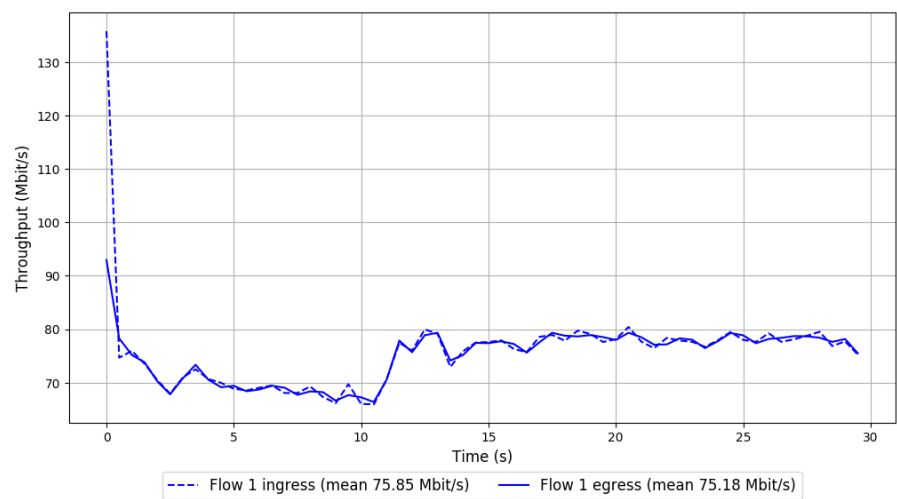## Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-02-13 01:52:53
End at: 2018-02-13 01:53:23
Local clock offset: -5.35 ms
Remote clock offset: -5.027 ms


# Below is generated by plot.py at 2018-02-13 05:09:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 9.389 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 9.389 ms
Loss rate: 0.86%
```

Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 75.85 Mbit/s)   Flow 1 egress (mean 75.18 Mbit/s)
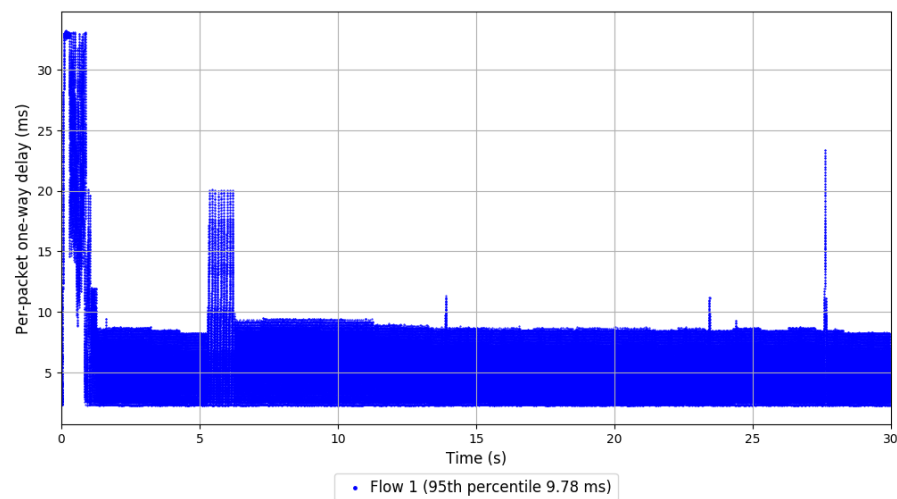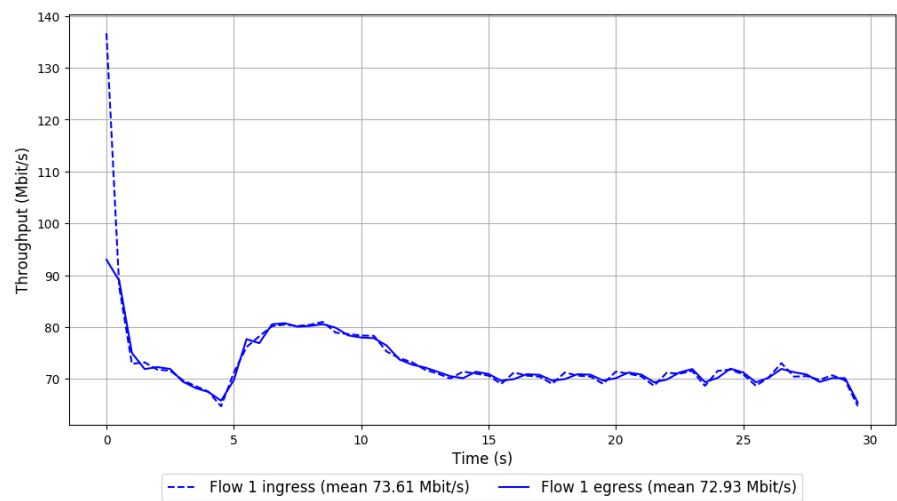

Flow 1 (95th percentile 9.39 ms)

```
Run 4: Statistics of Verus

Start at: 2018-02-13 02:13:16
End at: 2018-02-13 02:13:46
Local clock offset: -4.813 ms
Remote clock offset: -4.774 ms


# Below is generated by plot.py at 2018-02-13 05:09:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.93 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 72.93 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 0.92%
```
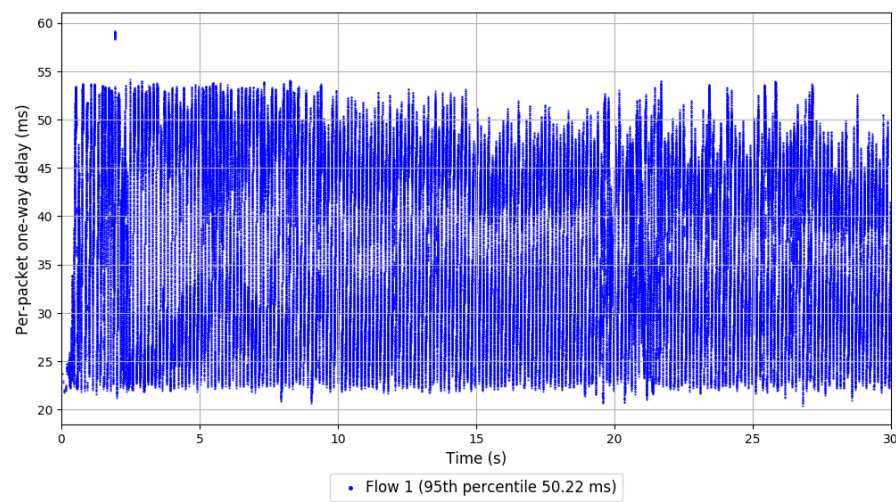
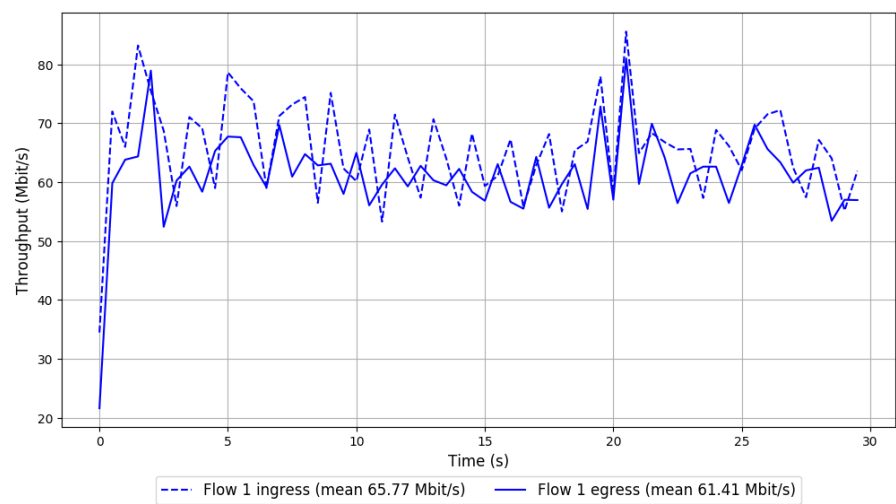## Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-02-13 02:33:34
End at: 2018-02-13 02:34:04
Local clock offset: -4.692 ms
Remote clock offset: -24.527 ms


# Below is generated by plot.py at 2018-02-13 05:09:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 50.219 ms
Loss rate: 6.65%
-- Flow 1:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 50.219 ms
Loss rate: 6.65%
```

Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 65.77 Mbit/s)   Flow 1 egress (mean 61.41 Mbit/s)
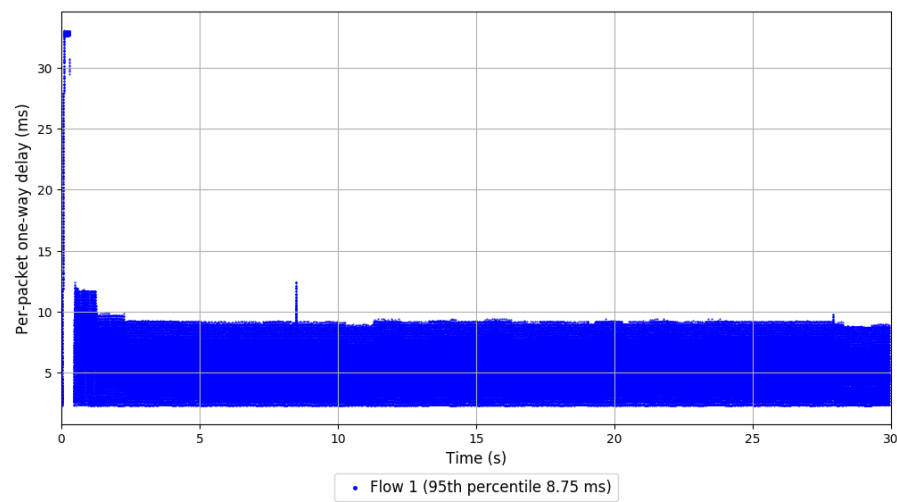
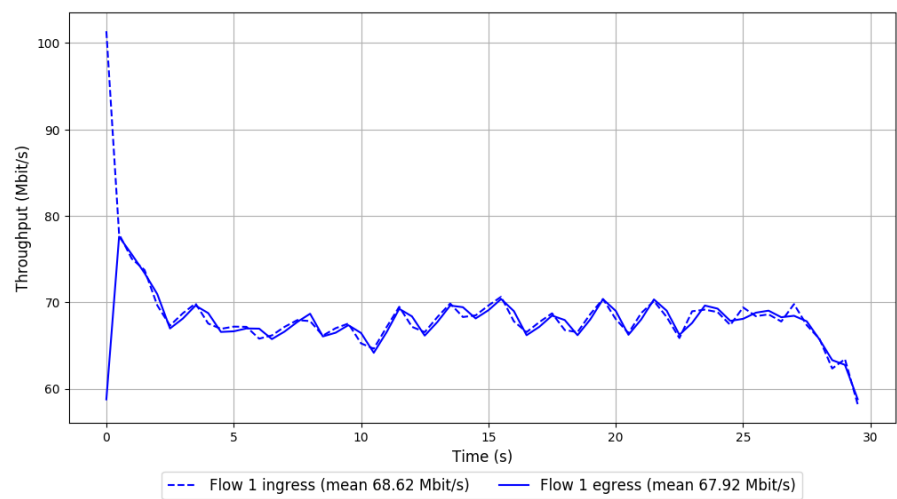

• Flow 1 (95th percentile 50.22 ms)

```
Run 6: Statistics of Verus

Start at: 2018-02-13 02:53:49
End at: 2018-02-13 02:54:19
Local clock offset: -4.53 ms
Remote clock offset: -4.701 ms


# Below is generated by plot.py at 2018-02-13 05:10:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.92 Mbit/s
95th percentile per-packet one-way delay: 8.752 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 67.92 Mbit/s
95th percentile per-packet one-way delay: 8.752 ms
Loss rate: 1.00%
```

Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 68.62 Mbit/s)   Flow 1 egress (mean 67.92 Mbit/s)
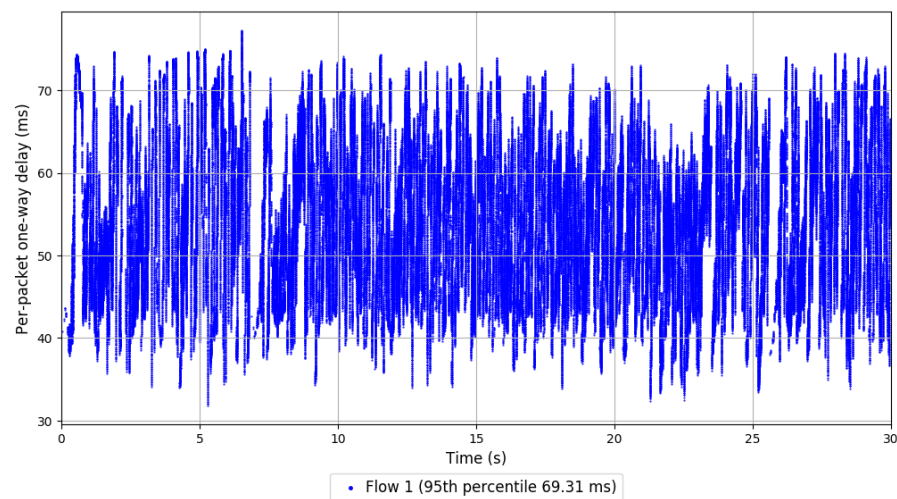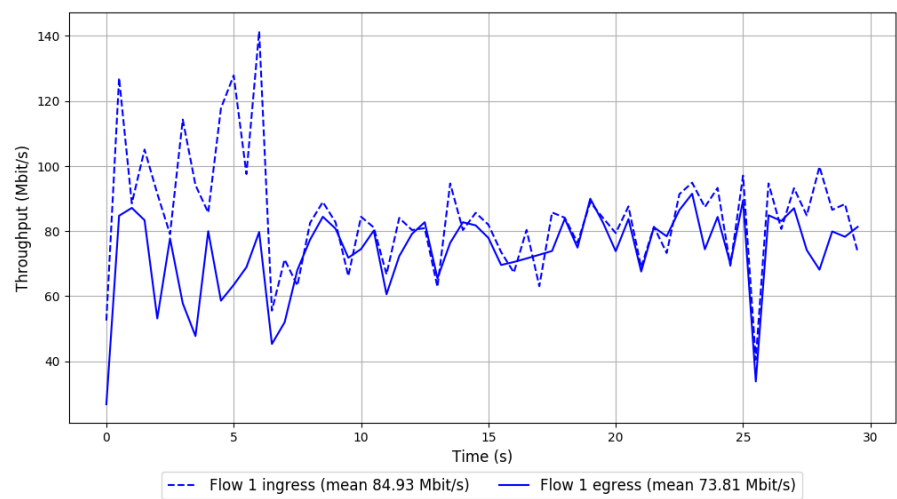

Flow 1 (95th percentile 8.75 ms)

```
Run 7: Statistics of Verus

Start at: 2018-02-13 03:14:05
End at: 2018-02-13 03:14:35
Local clock offset: -5.157 ms
Remote clock offset: -5.017 ms


# Below is generated by plot.py at 2018-02-13 05:10:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 69.306 ms
Loss rate: 13.02%
-- Flow 1:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 69.306 ms
Loss rate: 13.02%
```
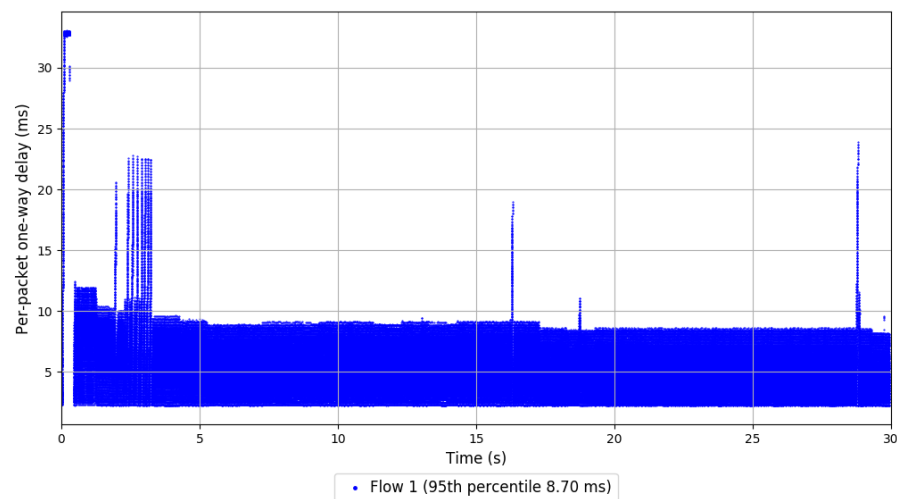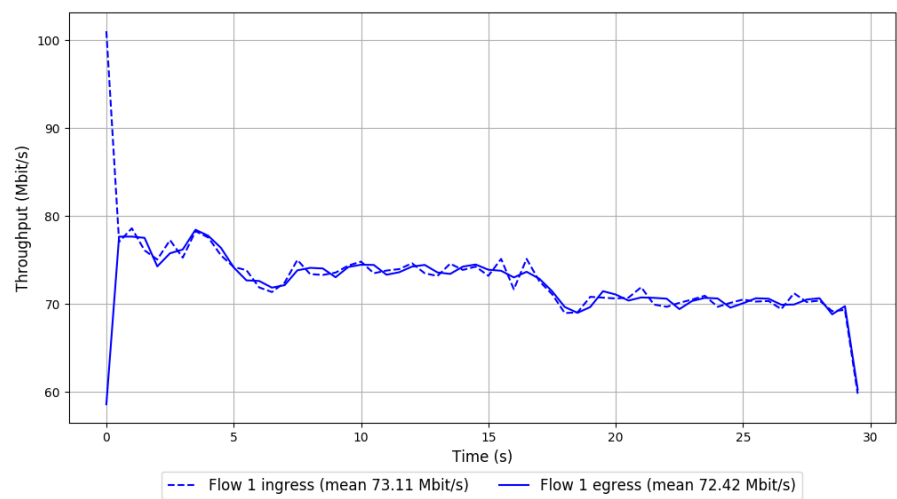
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-02-13 03:34:25
End at: 2018-02-13 03:34:55
Local clock offset: -5.525 ms
Remote clock offset: -4.913 ms


# Below is generated by plot.py at 2018-02-13 05:10:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.42 Mbit/s
95th percentile per-packet one-way delay: 8.697 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 72.42 Mbit/s
95th percentile per-packet one-way delay: 8.697 ms
Loss rate: 0.95%
```

Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 73.11 Mbit/s) — Flow 1 egress (mean 72.42 Mbit/s)

Flow 1 (95th percentile 8.70 ms)

```
Run 9: Statistics of Verus

Start at: 2018-02-13 03:54:46
End at: 2018-02-13 03:55:16
Local clock offset: -5.494 ms
Remote clock offset: -4.81 ms


# Below is generated by plot.py at 2018-02-13 05:10:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 8.670 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 8.670 ms
Loss rate: 1.00%
```
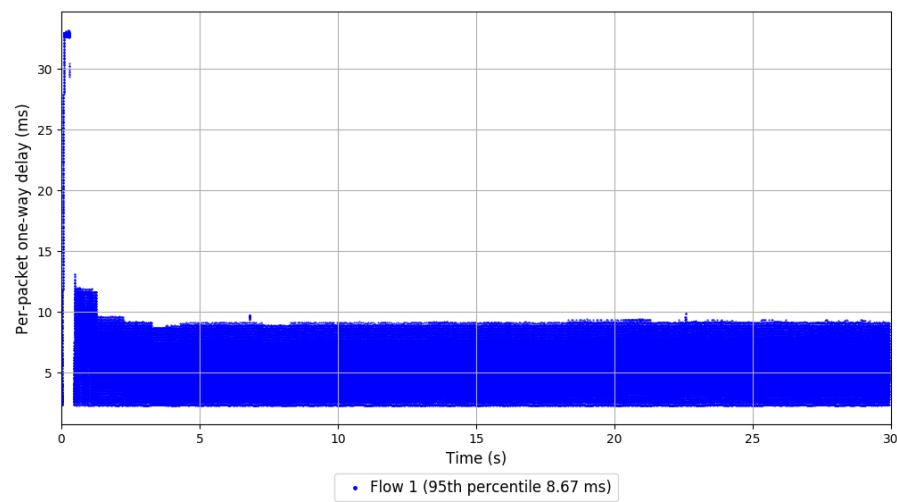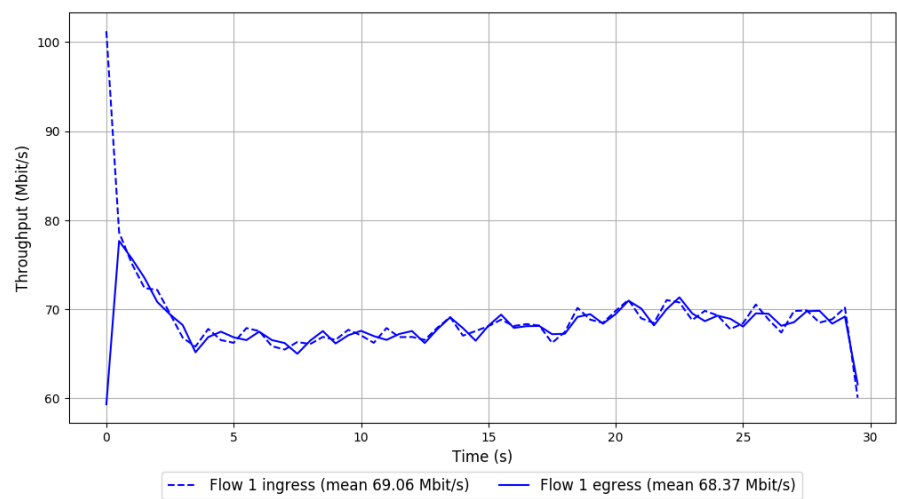
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 69.06 Mbit/s) — Flow 1 egress (mean 68.37 Mbit/s)

· Flow 1 (95th percentile 8.67 ms)

```
Run 10: Statistics of Verus

Start at: 2018-02-13 04:15:07
End at: 2018-02-13 04:15:38
Local clock offset: -5.161 ms
Remote clock offset: -5.03 ms


# Below is generated by plot.py at 2018-02-13 05:10:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.34 Mbit/s
95th percentile per-packet one-way delay: 8.613 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 65.34 Mbit/s
95th percentile per-packet one-way delay: 8.613 ms
Loss rate: 1.04%
```
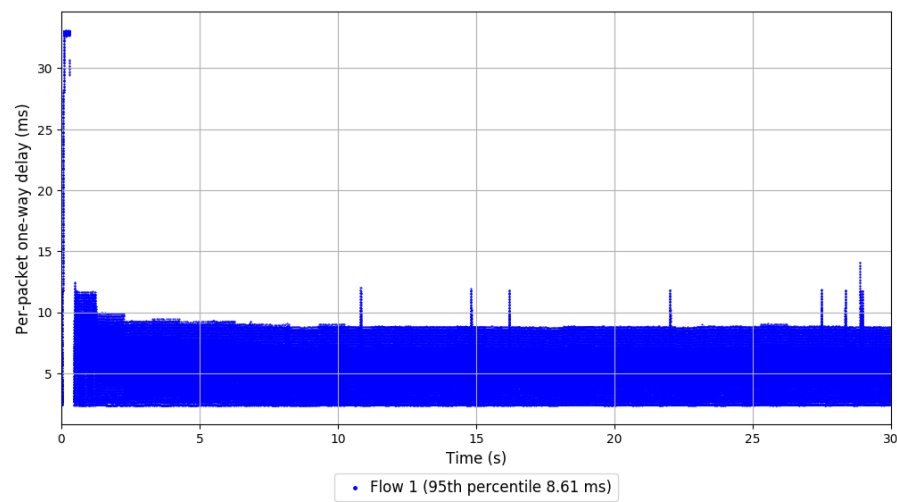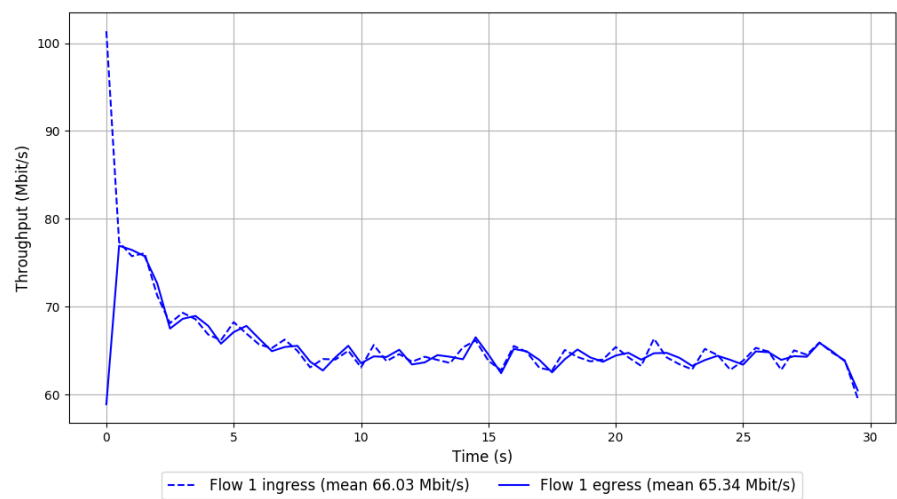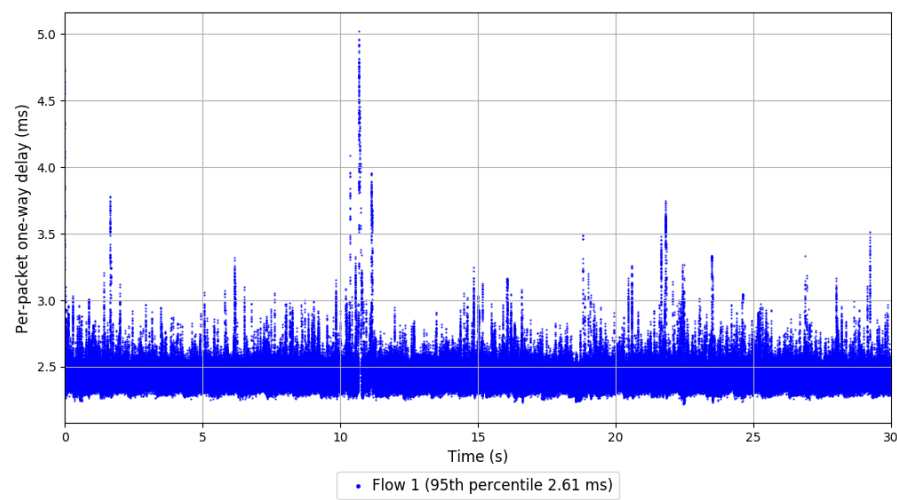
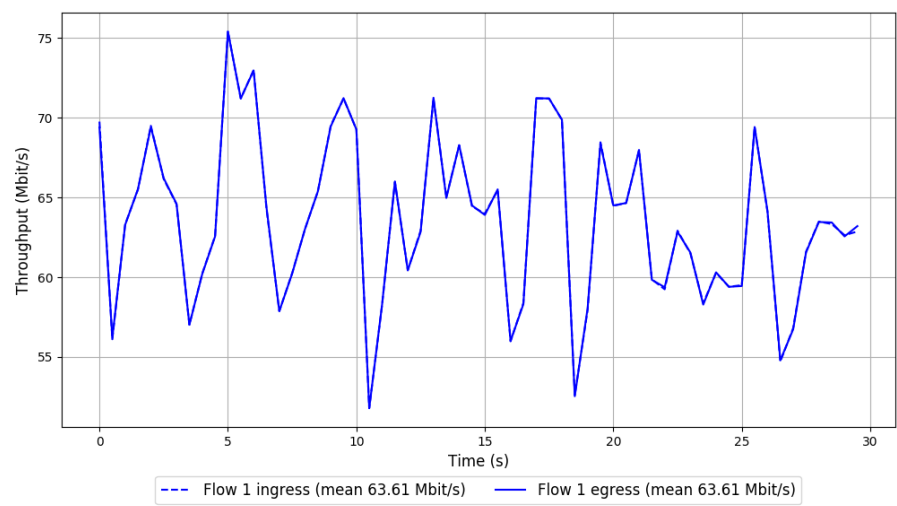## Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-02-13 01:11:19
End at: 2018-02-13 01:11:49
Local clock offset: -5.181 ms
Remote clock offset: -4.995 ms


# Below is generated by plot.py at 2018-02-13 05:11:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.61 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.61 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.00%
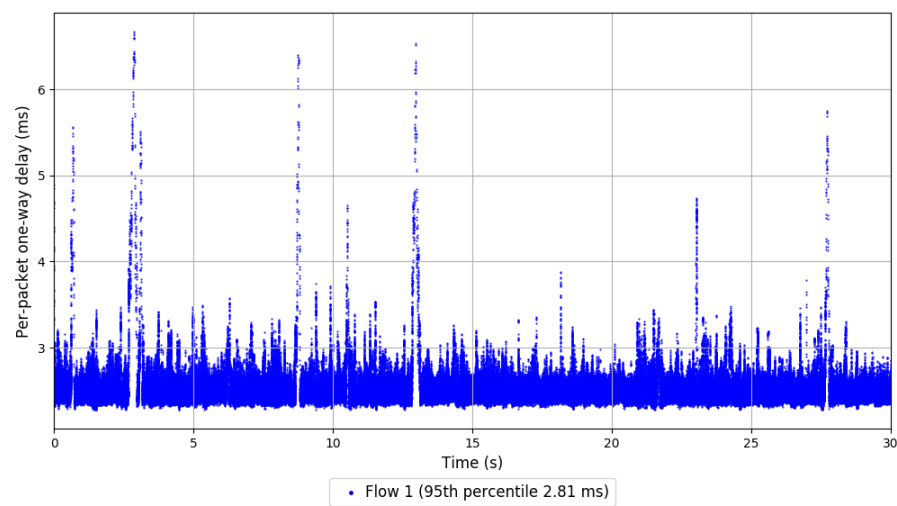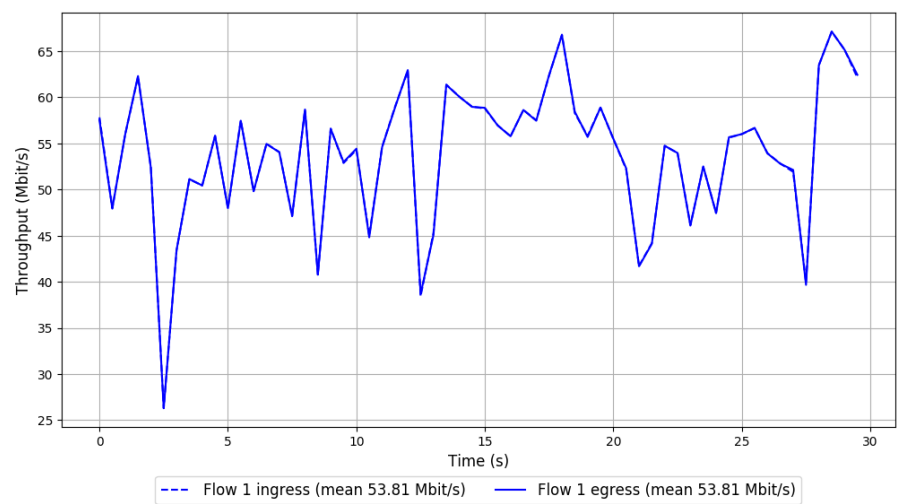```

Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2018-02-13 01:31:29
End at: 2018-02-13 01:31:59
Local clock offset: -5.276 ms
Remote clock offset: -5.178 ms


# Below is generated by plot.py at 2018-02-13 05:11:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.81 Mbit/s
95th percentile per-packet one-way delay: 2.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.81 Mbit/s
95th percentile per-packet one-way delay: 2.806 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 53.81 Mbit/s)   —— Flow 1 egress (mean 53.81 Mbit/s)
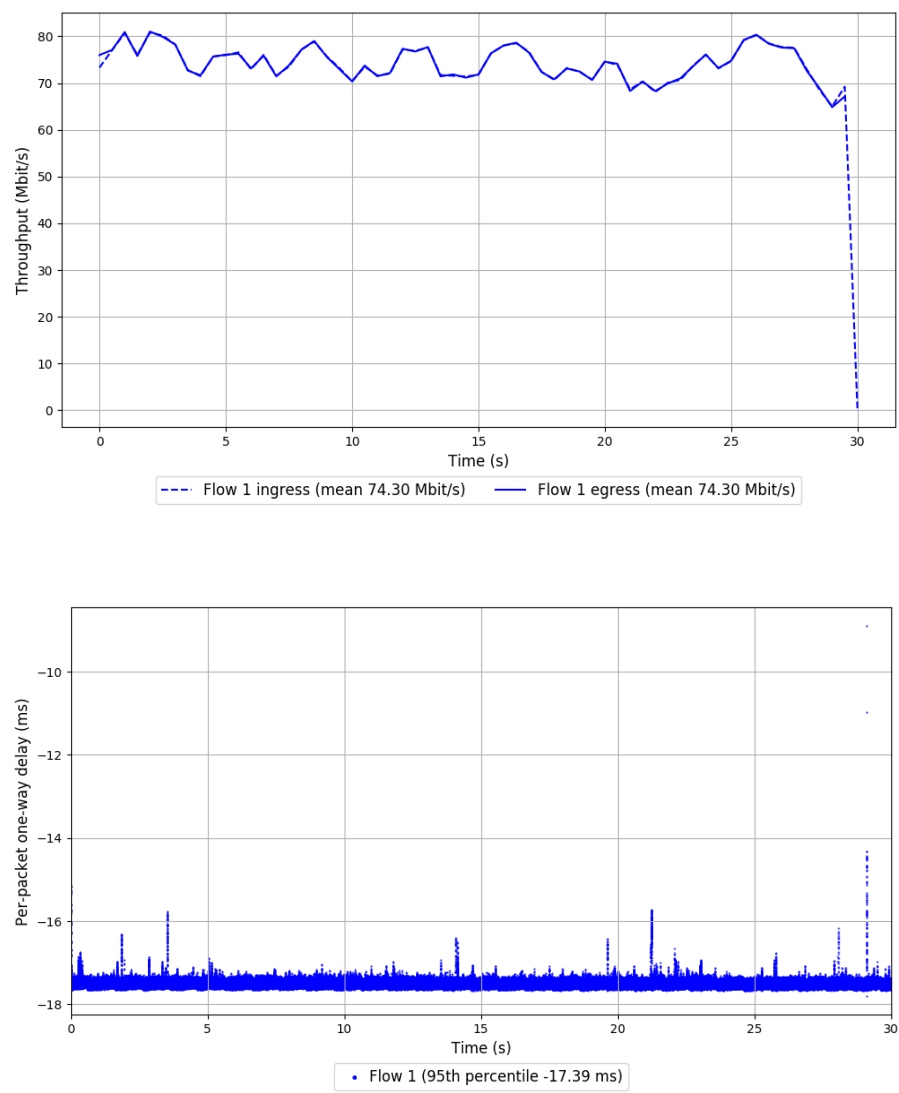

• Flow 1 (95th percentile 2.81 ms)

```
Run 3: Statistics of Copa

Start at: 2018-02-13 01:51:44
End at: 2018-02-13 01:52:14
Local clock offset: -5.378 ms
Remote clock offset: -25.055 ms

# Below is generated by plot.py at 2018-02-13 05:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.30 Mbit/s
95th percentile per-packet one-way delay: -17.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.30 Mbit/s
95th percentile per-packet one-way delay: -17.391 ms
Loss rate: 0.00%
```
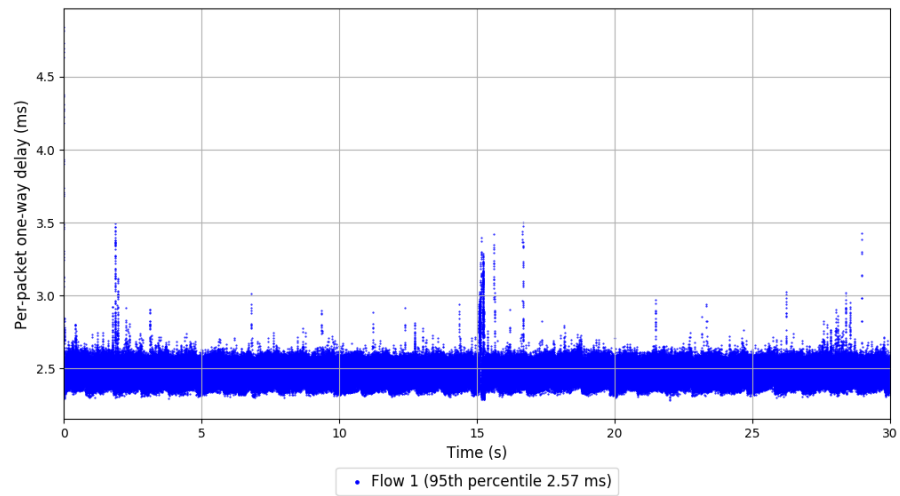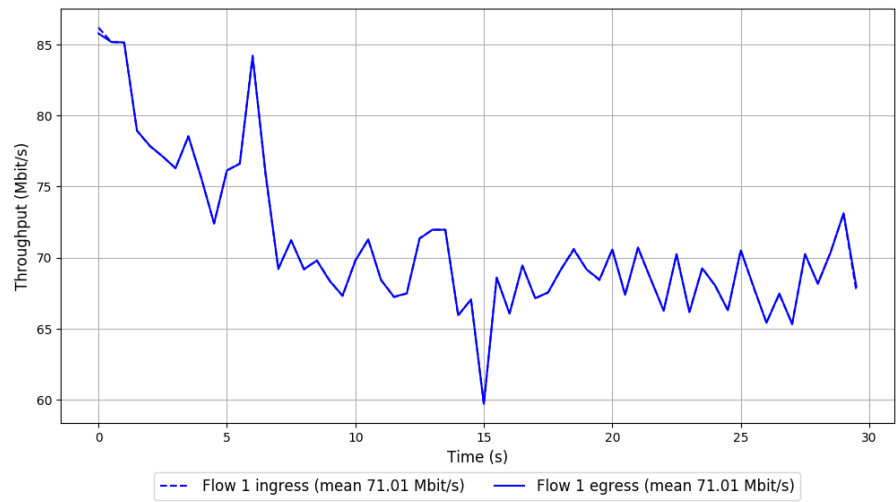
Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2018-02-13 02:12:07
End at: 2018-02-13 02:12:37
Local clock offset: -4.81 ms
Remote clock offset: -4.785 ms


# Below is generated by plot.py at 2018-02-13 05:12:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 2.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 2.571 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

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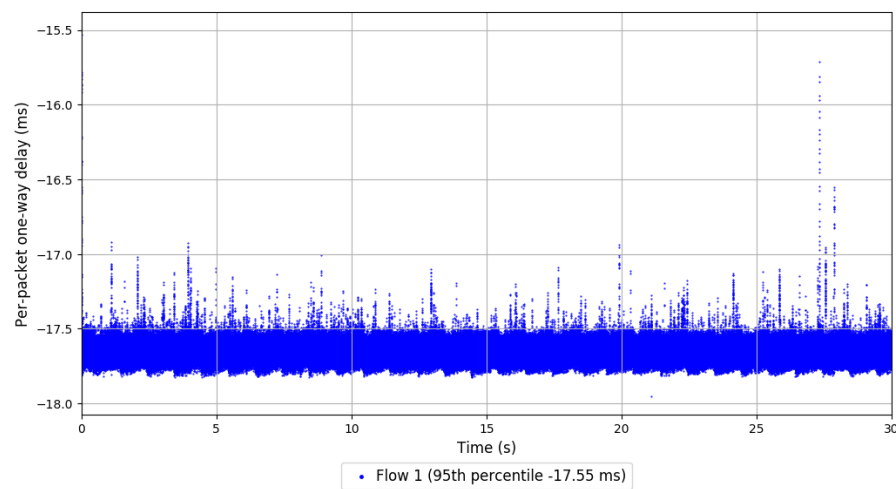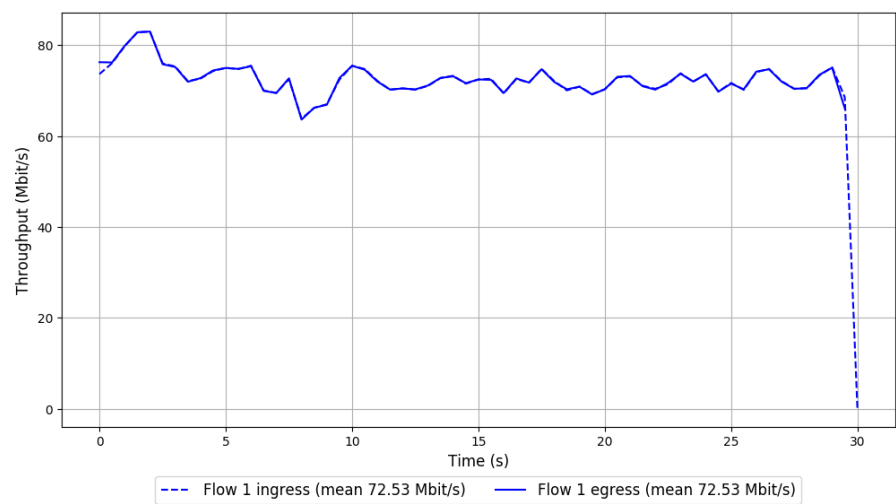

• Flow 1 (95th percentile 2.57 ms)

```
Run 5: Statistics of Copa

Start at: 2018-02-13 02:32:24
End at: 2018-02-13 02:32:54
Local clock offset: -4.65 ms
Remote clock offset: -24.881 ms

# Below is generated by plot.py at 2018-02-13 05:12:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.53 Mbit/s
95th percentile per-packet one-way delay: -17.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.53 Mbit/s
95th percentile per-packet one-way delay: -17.548 ms
Loss rate: 0.00%
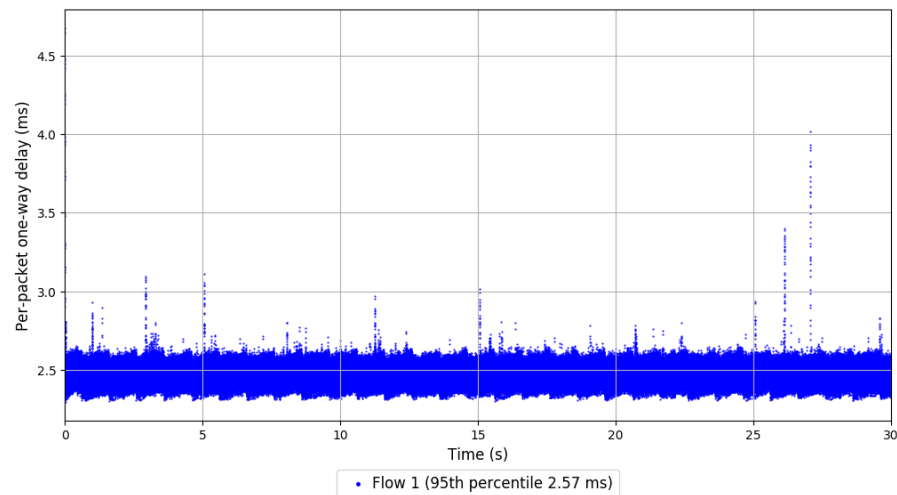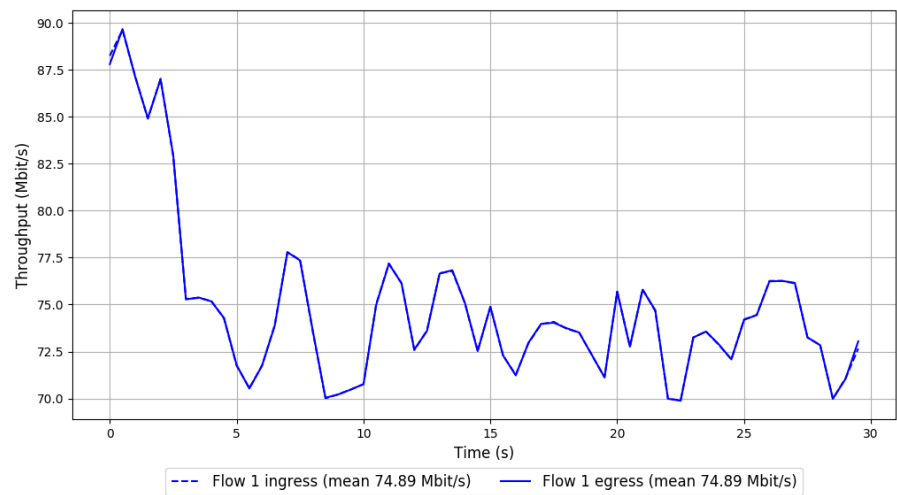```

Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-02-13 02:52:39
End at: 2018-02-13 02:53:09
Local clock offset: -4.512 ms
Remote clock offset: -4.696 ms

Below is generated by plot.py at 2018-02-13 05:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.89 Mbit/s
95th percentile per-packet one-way delay: 2.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.89 Mbit/s
95th percentile per-packet one-way delay: 2.570 ms
Loss rate: 0.00%
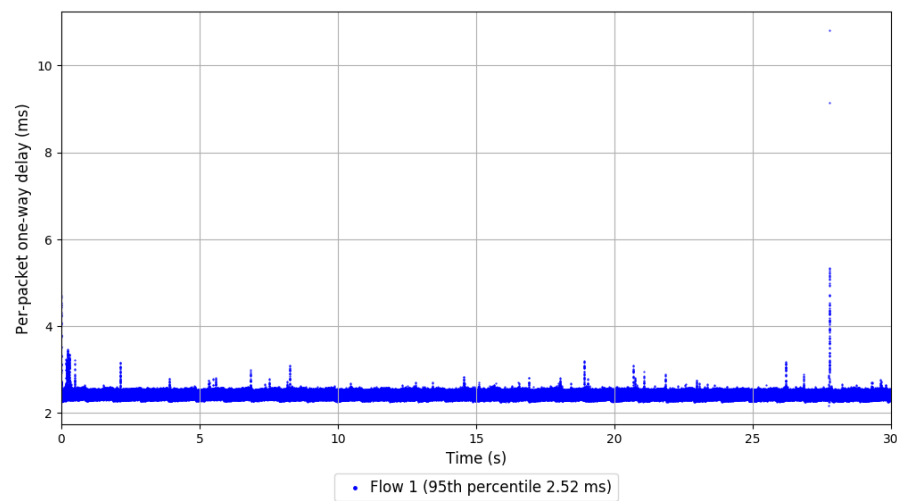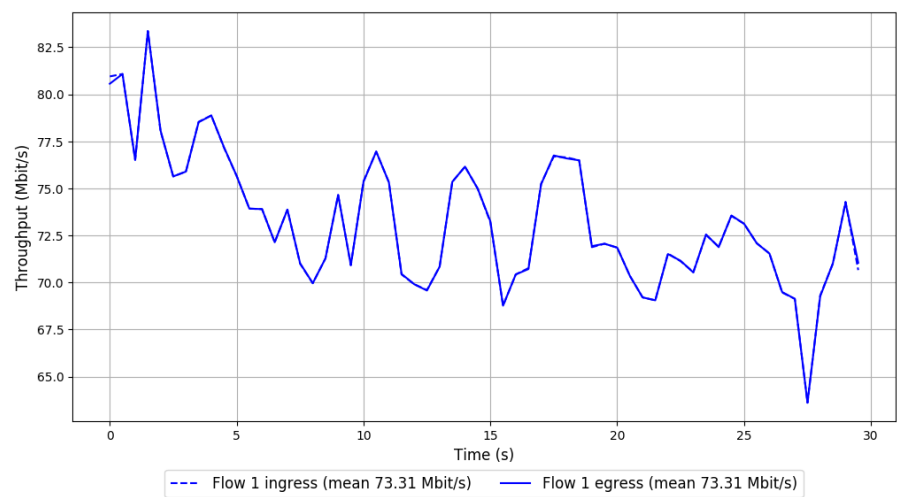```

Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2018-02-13 03:12:56
End at: 2018-02-13 03:13:26
Local clock offset: -5.096 ms
Remote clock offset: -5.016 ms


# Below is generated by plot.py at 2018-02-13 05:12:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 2.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 2.524 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 73.31 Mbit/s) — Flow 1 egress (mean 73.31 Mbit/s)
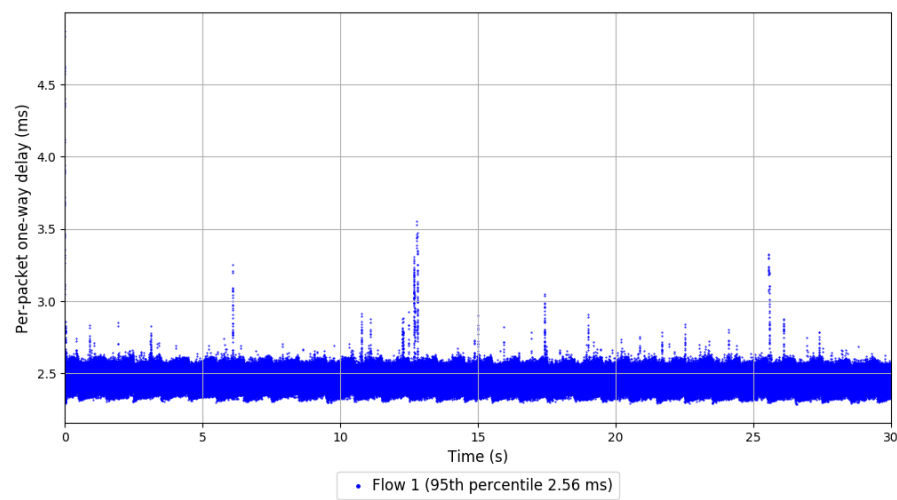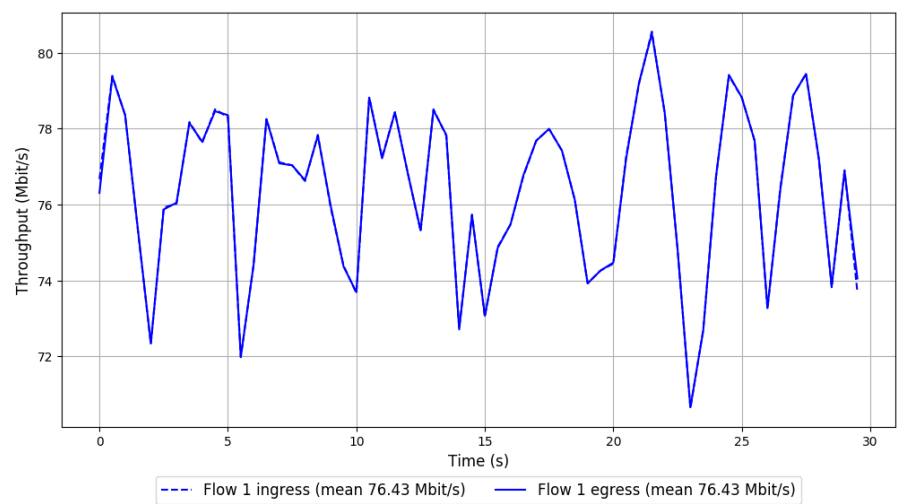

Flow 1 (95th percentile 2.52 ms)

```
Run 8: Statistics of Copa

Start at: 2018-02-13 03:33:15
End at: 2018-02-13 03:33:45
Local clock offset: -5.619 ms
Remote clock offset: -5.012 ms


# Below is generated by plot.py at 2018-02-13 05:12:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 2.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 2.556 ms
Loss rate: 0.00%
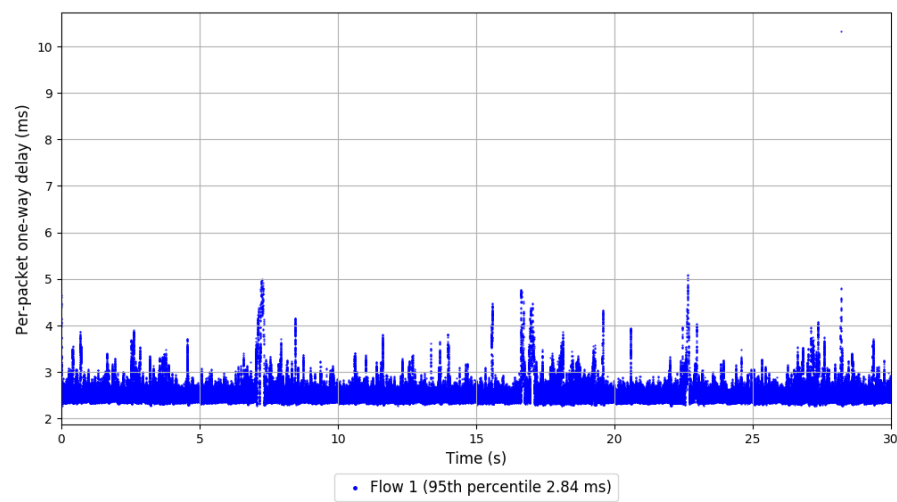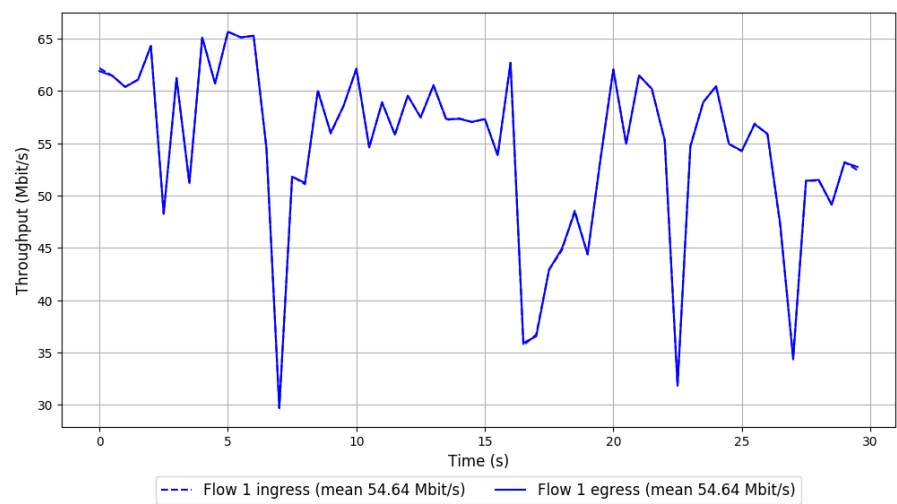```

Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-02-13 03:53:38
End at: 2018-02-13 03:54:08
Local clock offset: -5.506 ms
Remote clock offset: -4.817 ms

Below is generated by plot.py at 2018-02-13 05:12:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 2.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 2.844 ms
Loss rate: 0.00%
```
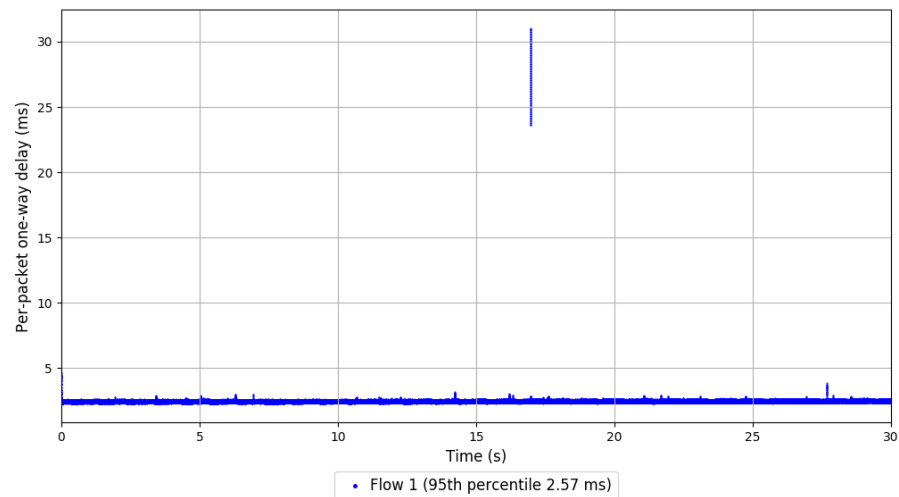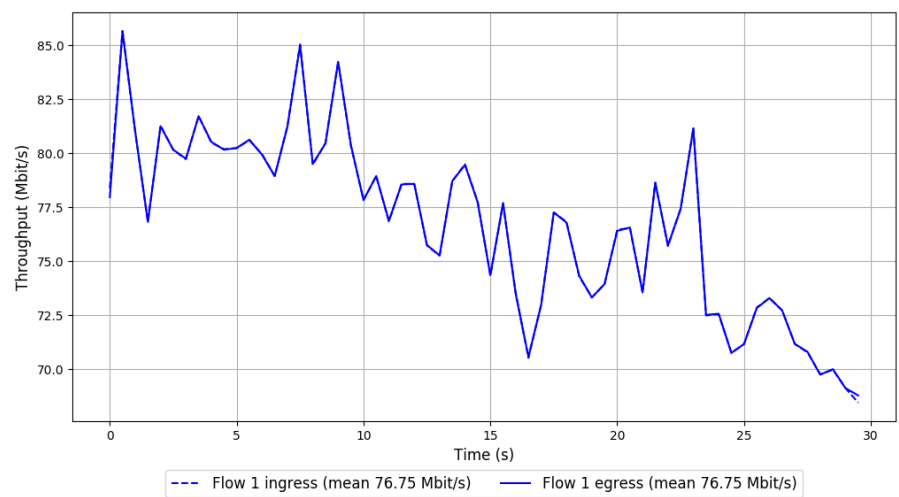
## Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2018-02-13 04:13:58
End at: 2018-02-13 04:14:28
Local clock offset: -5.254 ms
Remote clock offset: -5.095 ms


# Below is generated by plot.py at 2018-02-13 05:13:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 2.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 2.567 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 76.75 Mbit/s)   Flow 1 egress (mean 76.75 Mbit/s)
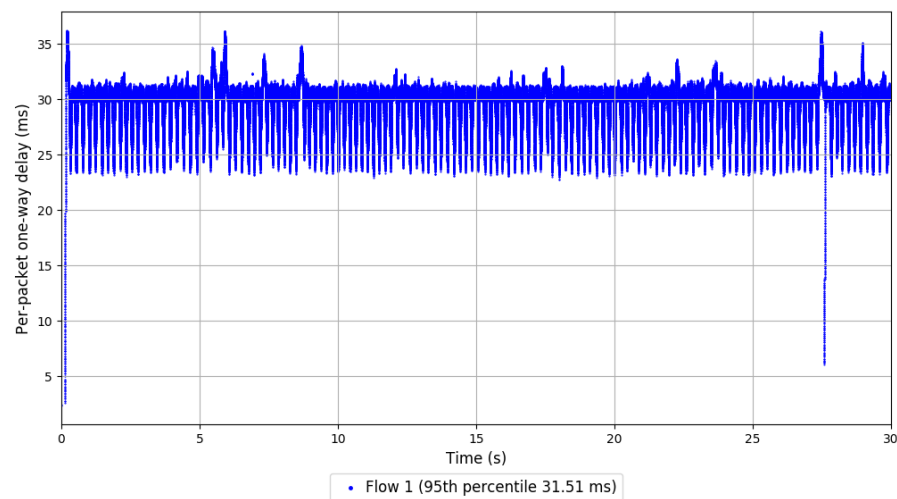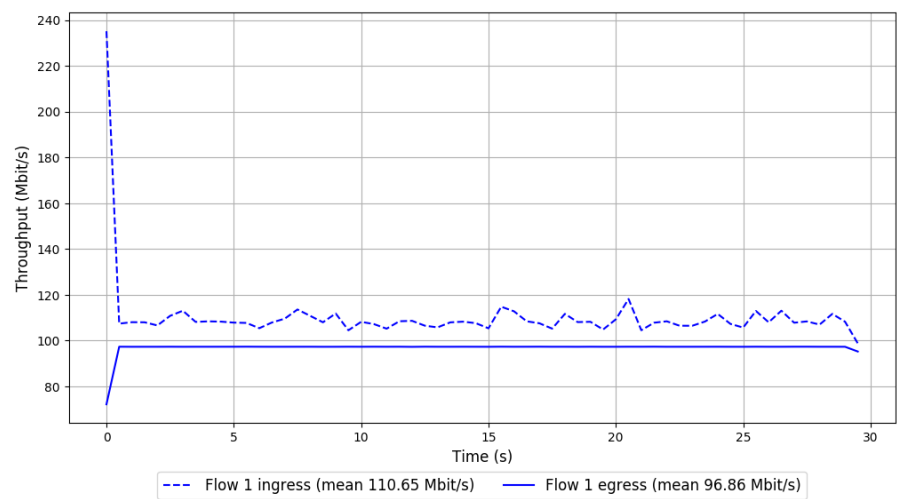

Flow 1 (95th percentile 2.57 ms)

```
Run 1: Statistics of FillP

Start at: 2018-02-13 01:13:36
End at: 2018-02-13 01:14:06
Local clock offset: -5.246 ms
Remote clock offset: -5.018 ms


# Below is generated by plot.py at 2018-02-13 05:13:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 31.509 ms
Loss rate: 12.38%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 31.509 ms
Loss rate: 12.38%
```

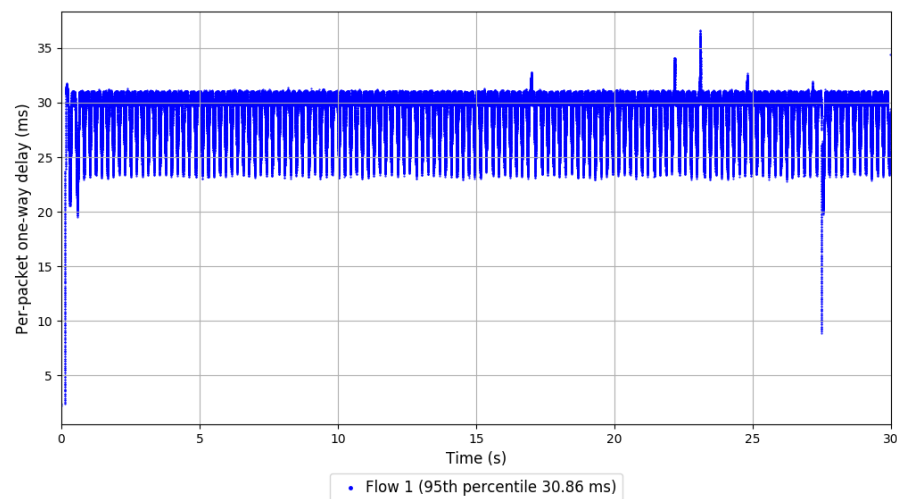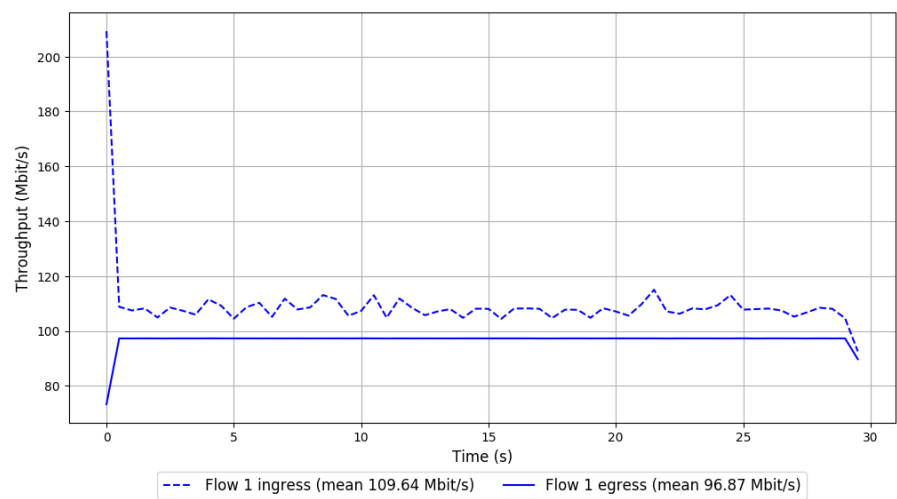## Run 1: Report of FillP — Data Link

```
Run 2: Statistics of FillP

Start at: 2018-02-13 01:33:45
End at: 2018-02-13 01:34:15
Local clock offset: -5.303 ms
Remote clock offset: -5.263 ms


# Below is generated by plot.py at 2018-02-13 05:13:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.861 ms
Loss rate: 11.56%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.861 ms
Loss rate: 11.56%
```

Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-02-13 01:54:01
End at: 2018-02-13 01:54:31
Local clock offset: -5.358 ms
Remote clock offset: -5.01 ms


# Below is generated by plot.py at 2018-02-13 05:14:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.918 ms
Loss rate: 12.76%
-- Flow 1:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.918 ms
Loss rate: 12.76%
```

Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 111.15 Mbit/s) --- Flow 1 egress (mean 96.89 Mbit/s)

Flow 1 (95th percentile 30.92 ms)

```
Run 4: Statistics of FillP

Start at: 2018-02-13 02:14:24
End at: 2018-02-13 02:14:54
Local clock offset: -4.815 ms
Remote clock offset: -4.773 ms


# Below is generated by plot.py at 2018-02-13 05:14:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.921 ms
Loss rate: 11.86%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.921 ms
Loss rate: 11.86%
```
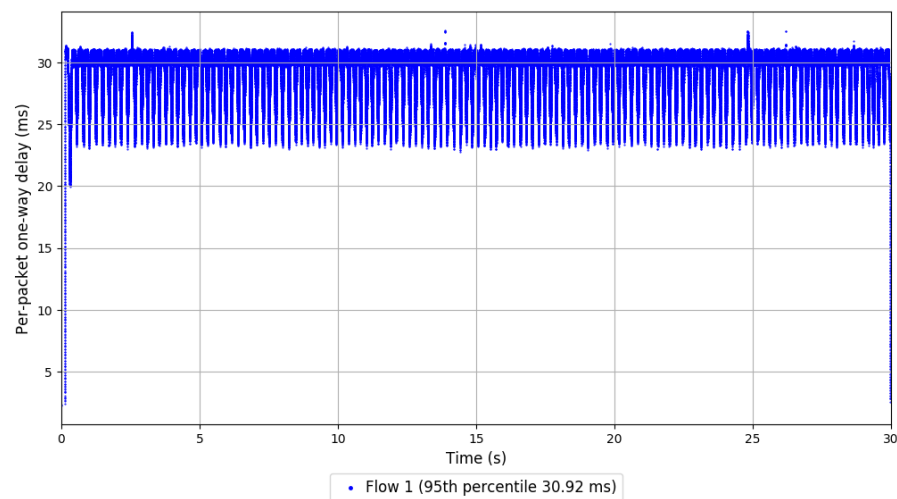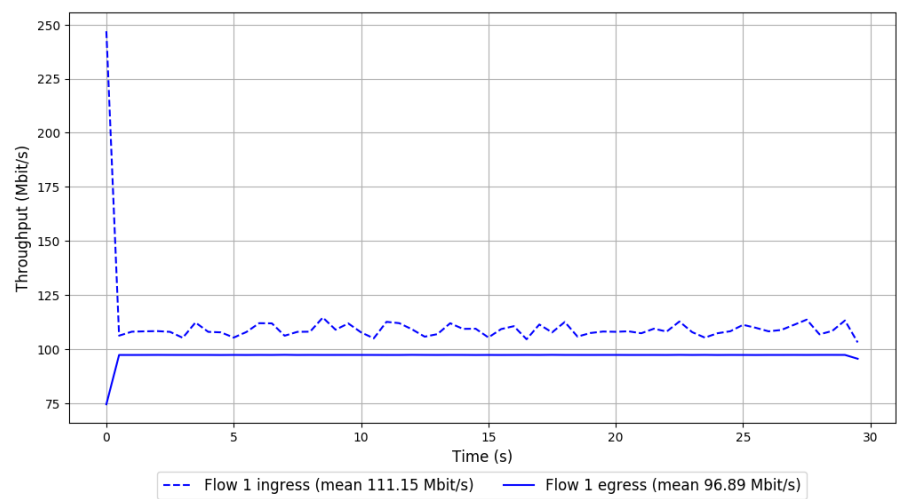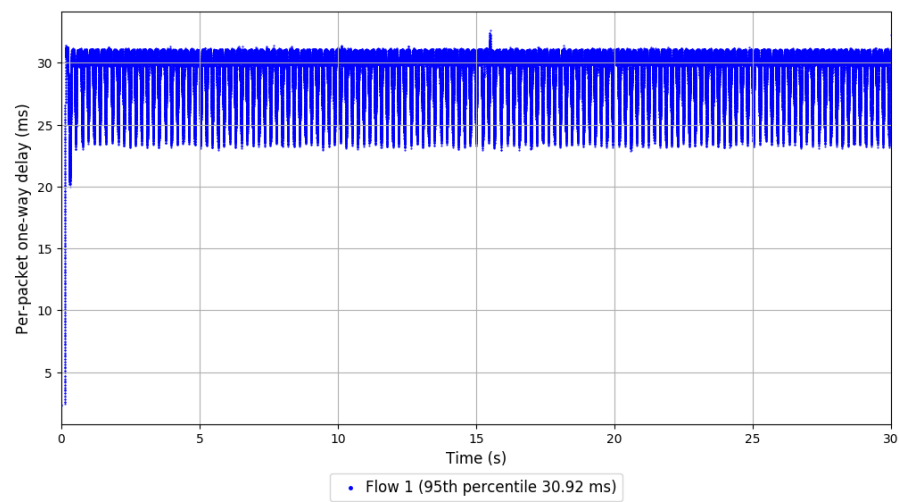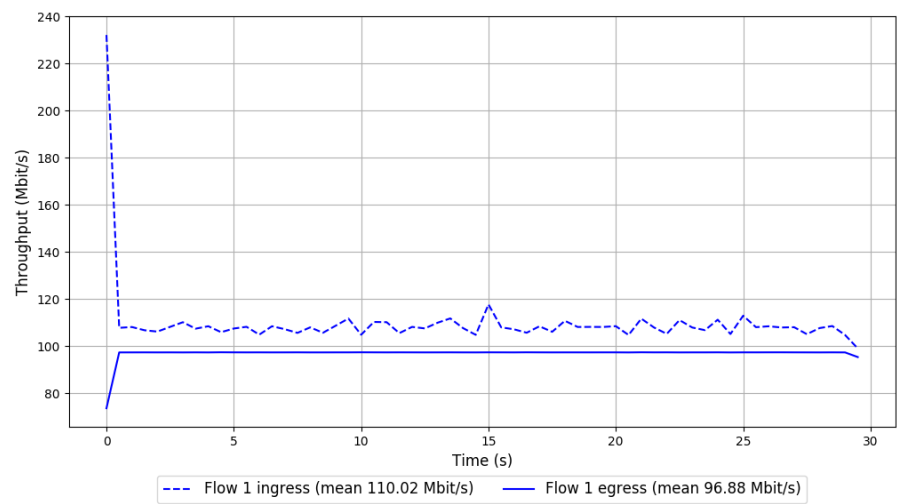
Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 110.02 Mbit/s) --- Flow 1 egress (mean 96.88 Mbit/s)

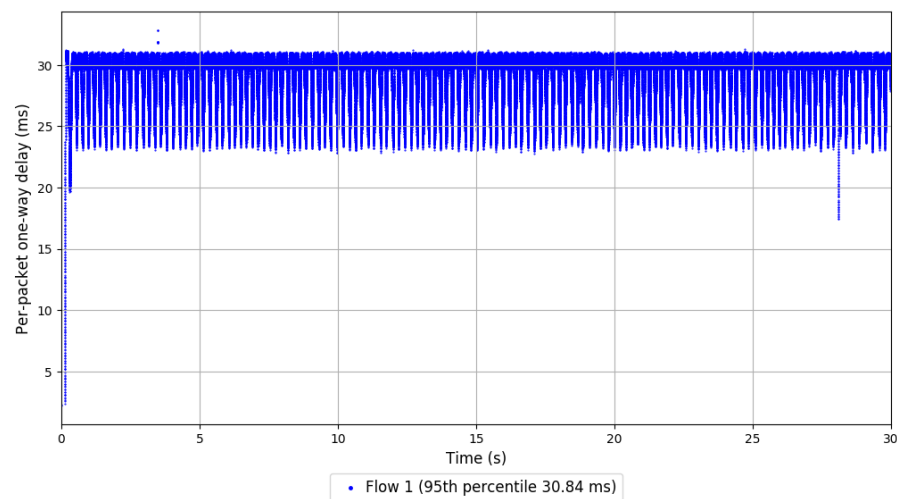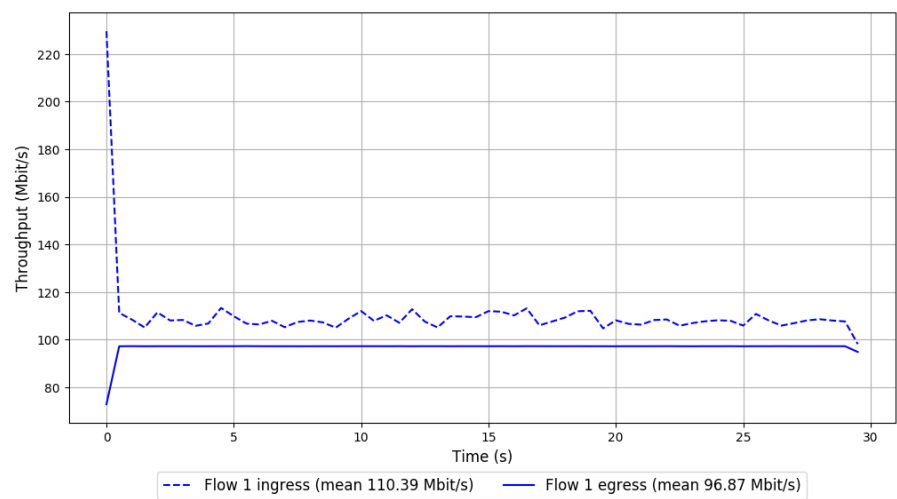

• Flow 1 (95th percentile 30.92 ms)

```
Run 5: Statistics of FillP

Start at: 2018-02-13 02:34:41
End at: 2018-02-13 02:35:11
Local clock offset: -4.655 ms
Remote clock offset: -4.818 ms


# Below is generated by plot.py at 2018-02-13 05:14:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.845 ms
Loss rate: 12.18%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.845 ms
Loss rate: 12.18%
```

Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 110.39 Mbit/s) --- Flow 1 egress (mean 96.87 Mbit/s)

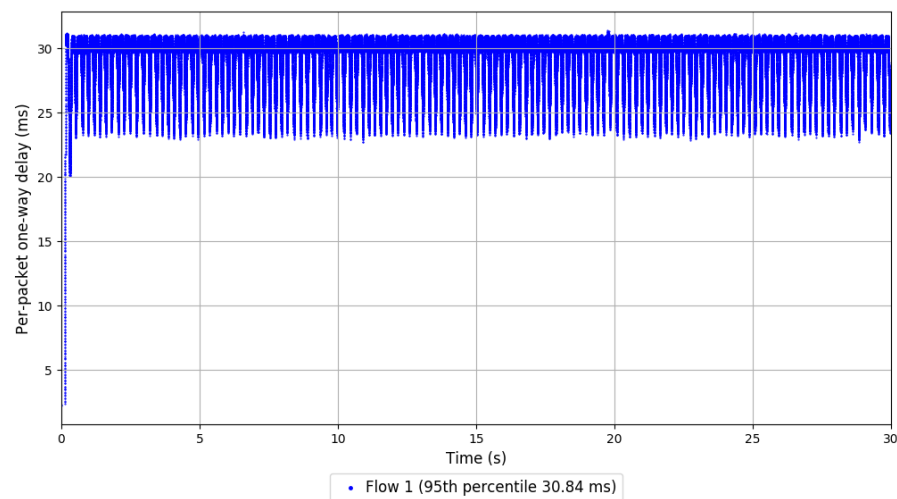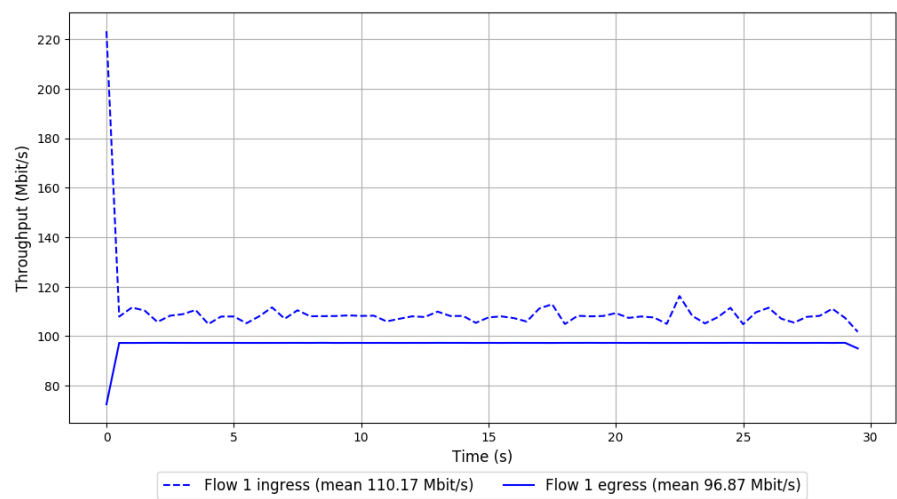

• Flow 1 (95th percentile 30.84 ms)

```
Run 6: Statistics of FillP

Start at: 2018-02-13 02:54:56
End at: 2018-02-13 02:55:26
Local clock offset: -4.508 ms
Remote clock offset: -4.782 ms


# Below is generated by plot.py at 2018-02-13 05:14:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.843 ms
Loss rate: 11.99%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.843 ms
Loss rate: 11.99%
```

Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 110.17 Mbit/s) --- Flow 1 egress (mean 96.87 Mbit/s)

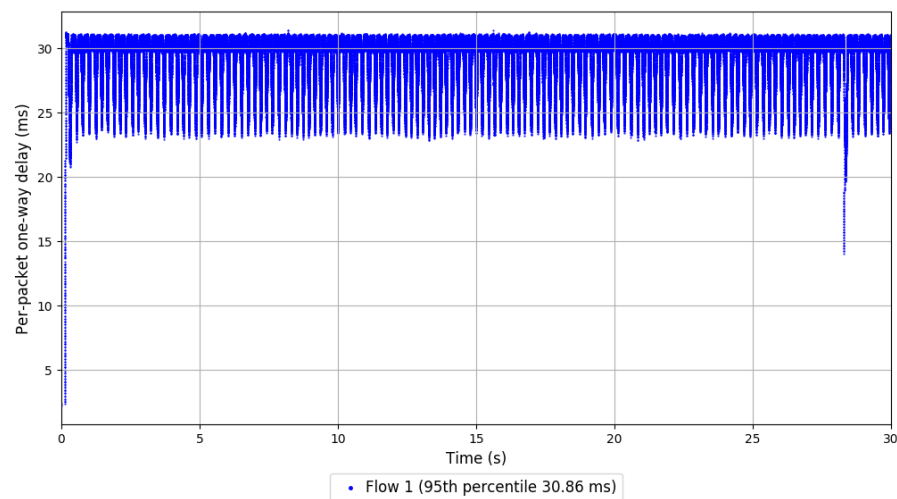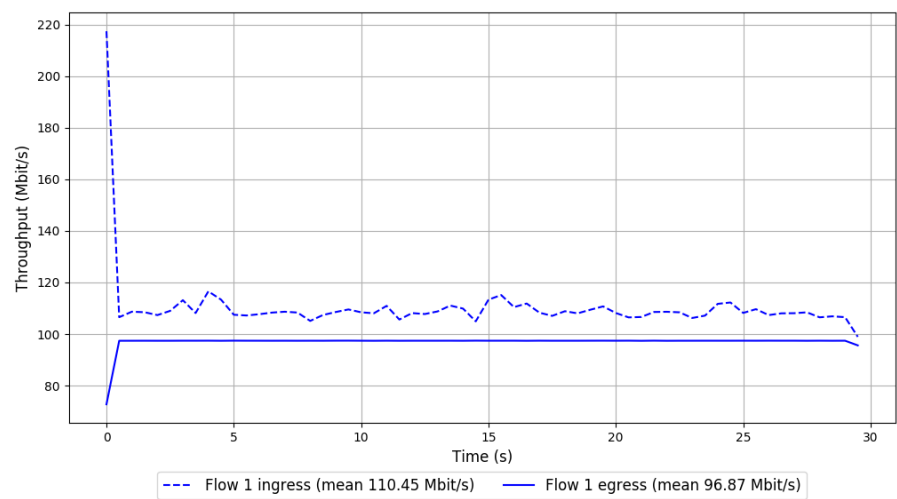Flow 1 (95th percentile 30.84 ms)

255

```
Run 7: Statistics of FillP

Start at: 2018-02-13 03:15:14
End at: 2018-02-13 03:15:44
Local clock offset: -5.181 ms
Remote clock offset: -5.026 ms


# Below is generated by plot.py at 2018-02-13 05:14:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.859 ms
Loss rate: 12.21%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.859 ms
Loss rate: 12.21%
```

Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 110.45 Mbit/s) — — — Flow 1 egress (mean 96.87 Mbit/s)

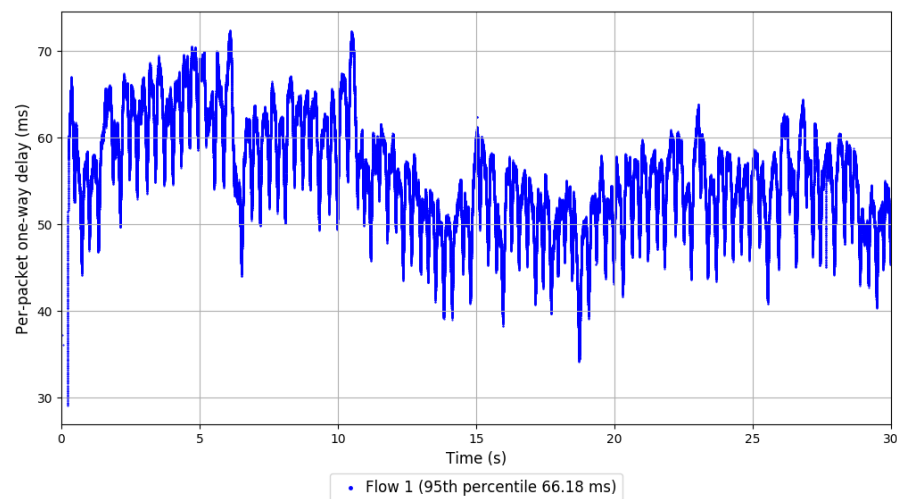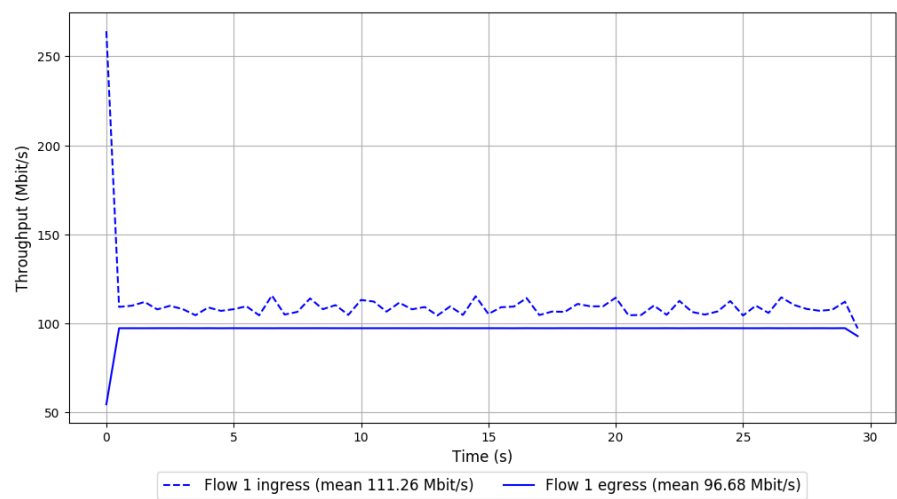

• Flow 1 (95th percentile 30.86 ms)

```
Run 8: Statistics of FillP

Start at: 2018-02-13 03:35:33
End at: 2018-02-13 03:36:03
Local clock offset: -5.55 ms
Remote clock offset: -4.915 ms


# Below is generated by plot.py at 2018-02-13 05:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 66.179 ms
Loss rate: 13.16%
-- Flow 1:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 66.179 ms
Loss rate: 13.16%
```

Run 8: Report of FillP — Data Link

Flow 1 ingress (mean 111.26 Mbit/s) --- Flow 1 egress (mean 96.68 Mbit/s)

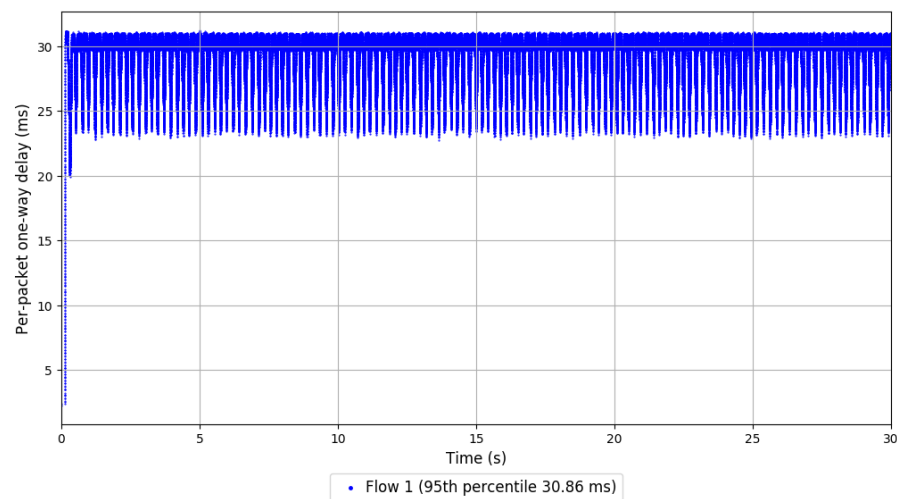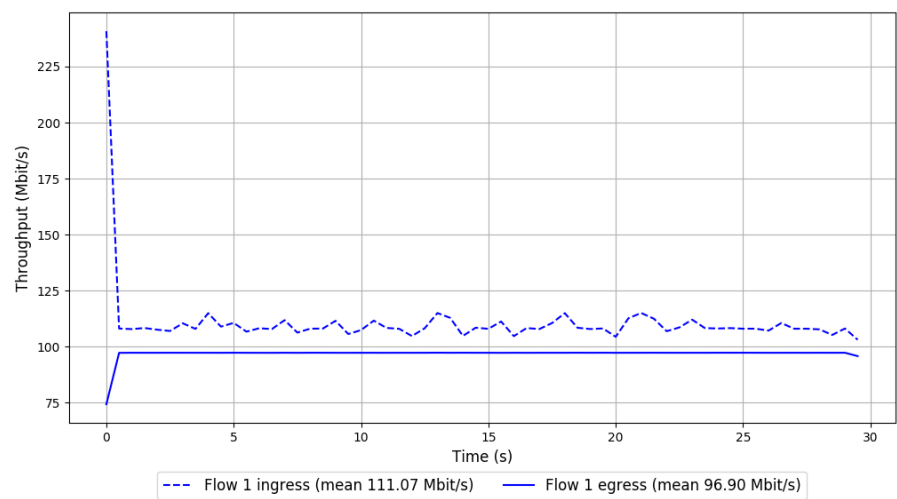

• Flow 1 (95th percentile 66.18 ms)

```
Run 9: Statistics of FillP

Start at: 2018-02-13 03:55:54
End at: 2018-02-13 03:56:24
Local clock offset: -5.499 ms
Remote clock offset: -4.828 ms


# Below is generated by plot.py at 2018-02-13 05:14:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.855 ms
Loss rate: 12.68%
-- Flow 1:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.855 ms
Loss rate: 12.68%
```

Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 111.07 Mbit/s) --- Flow 1 egress (mean 96.90 Mbit/s)
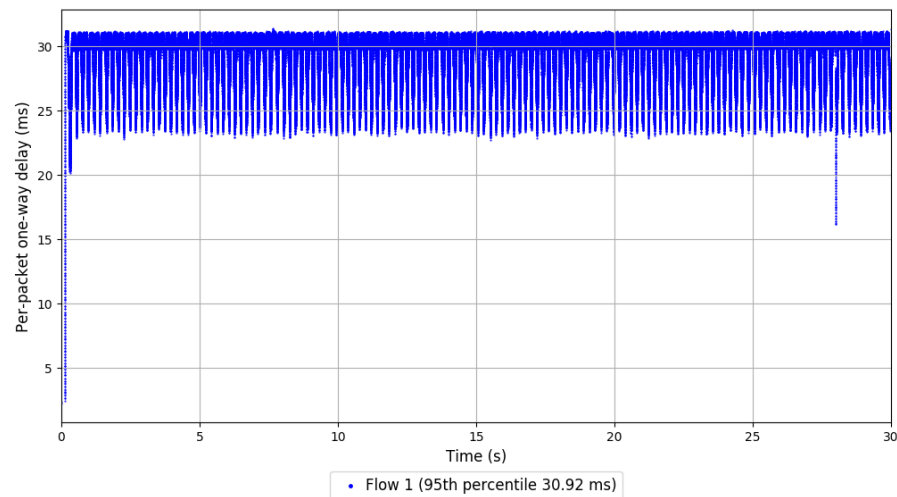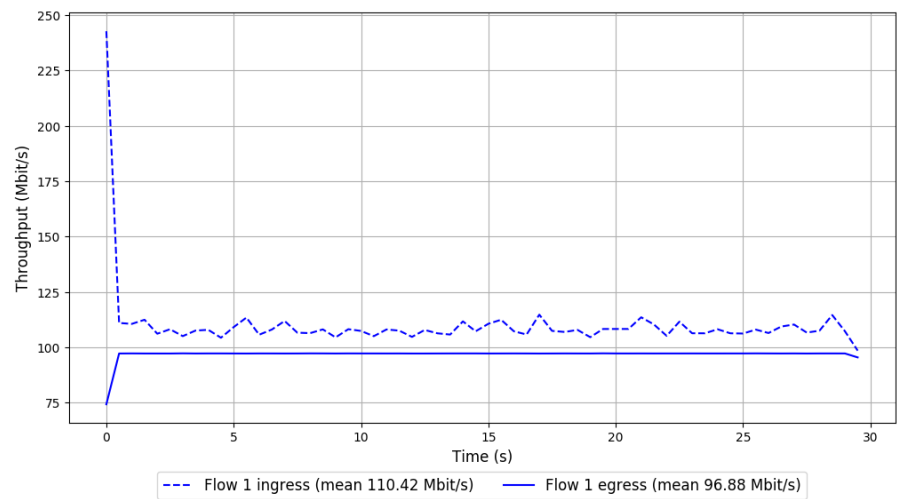

Flow 1 (95th percentile 30.86 ms)

```
Run 10: Statistics of FillP

Start at: 2018-02-13 04:16:15
End at: 2018-02-13 04:16:45
Local clock offset: -5.036 ms
Remote clock offset: -5.057 ms


# Below is generated by plot.py at 2018-02-13 05:15:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.921 ms
Loss rate: 12.17%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.921 ms
Loss rate: 12.17%
```

Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 110.42 Mbit/s) --- Flow 1 egress (mean 96.88 Mbit/s)

Flow 1 (95th percentile 30.92 ms)

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

Start at: 2018-02-13 01:14:44
End at: 2018-02-13 01:15:14
Local clock offset: -5.258 ms
Remote clock offset: -4.973 ms

# Below is generated by plot.py at 2018-02-13 05:15:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 5.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 5.255 ms
Loss rate: 0.00%
```
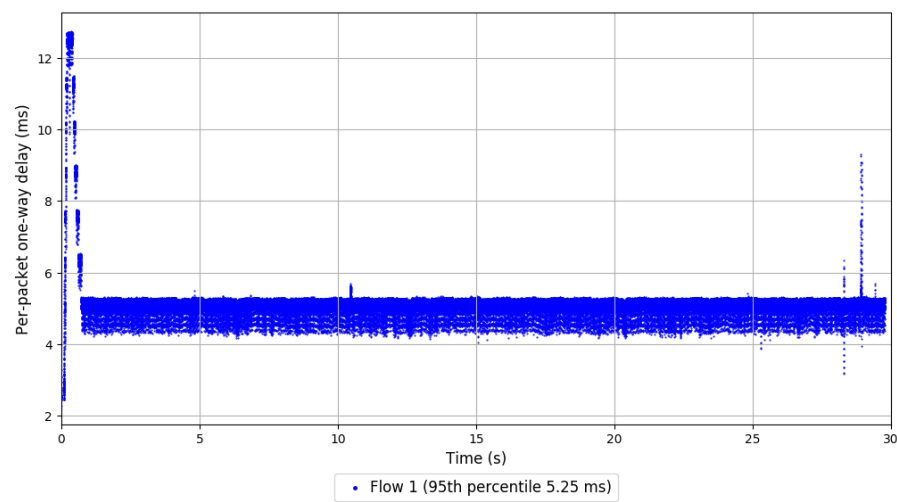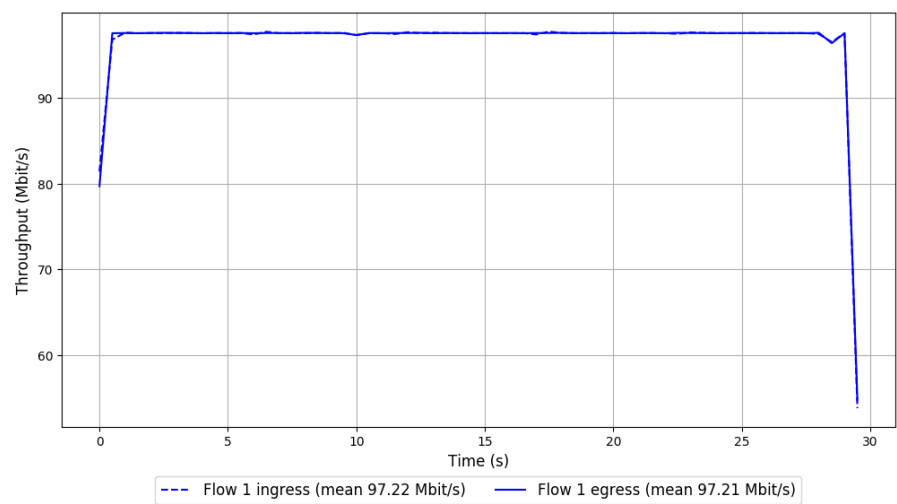
Run 1: Report of Indigo-1-32 — Data Link

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

Start at: 2018-02-13 01:34:52
End at: 2018-02-13 01:35:22
Local clock offset: -5.266 ms
Remote clock offset: -5.209 ms


# Below is generated by plot.py at 2018-02-13 05:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.105 ms
Loss rate: 0.00%
```
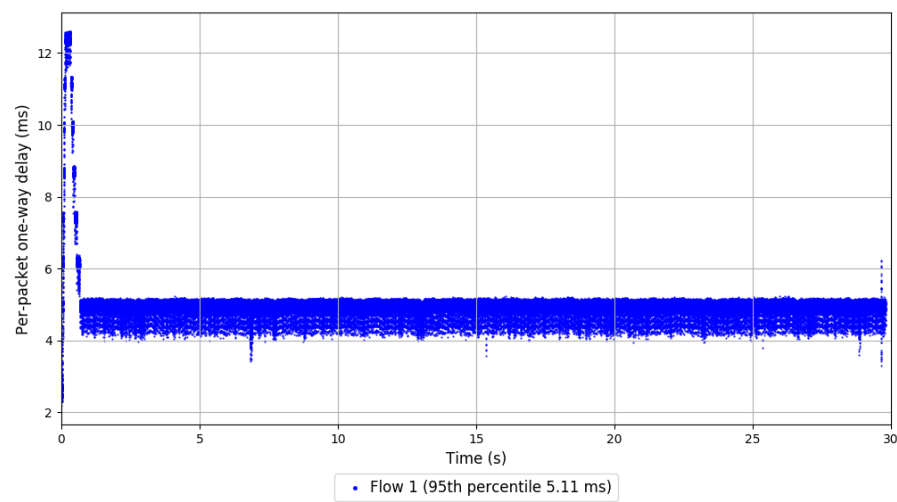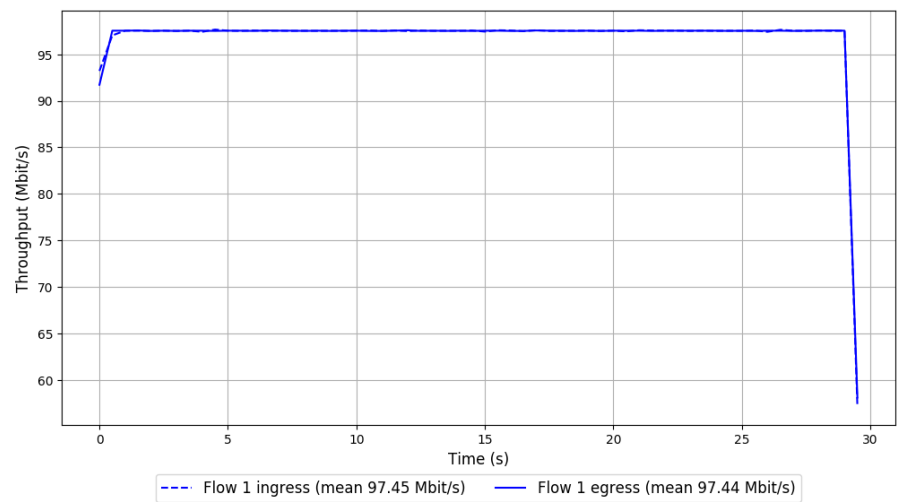
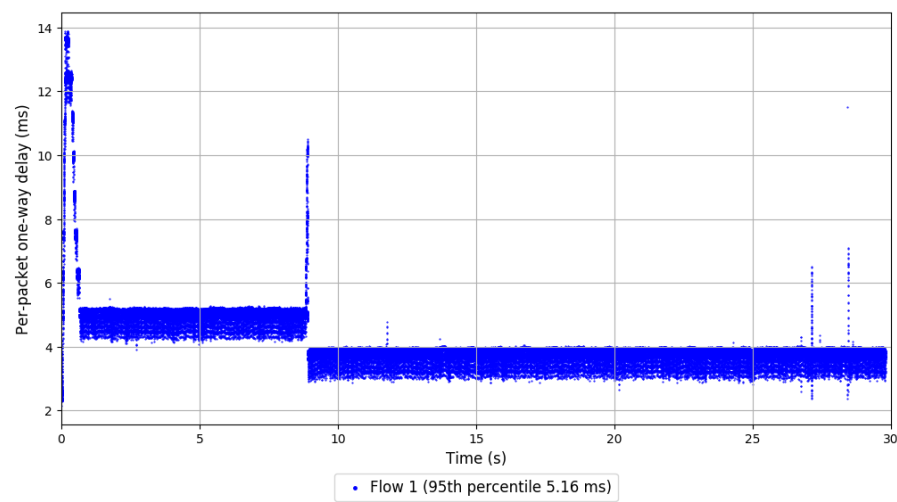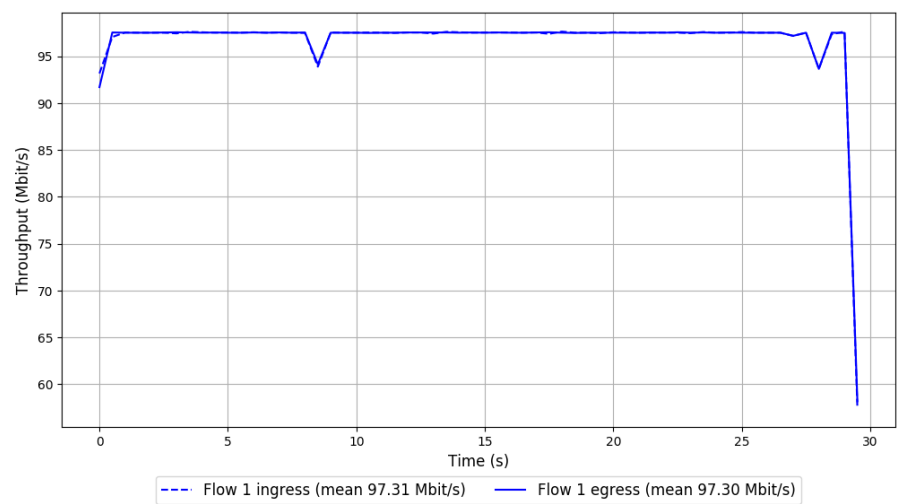Run 2: Report of Indigo-1-32 — Data Link

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

Start at: 2018-02-13 01:55:09
End at: 2018-02-13 01:55:39
Local clock offset: -5.309 ms
Remote clock offset: -4.989 ms


# Below is generated by plot.py at 2018-02-13 05:15:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 5.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 5.159 ms
Loss rate: 0.00%
```

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

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

Start at: 2018-02-13 02:15:32
End at: 2018-02-13 02:16:02
Local clock offset: -4.81 ms
Remote clock offset: -24.447 ms

# Below is generated by plot.py at 2018-02-13 05:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: -14.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: -14.477 ms
Loss rate: 0.00%
```
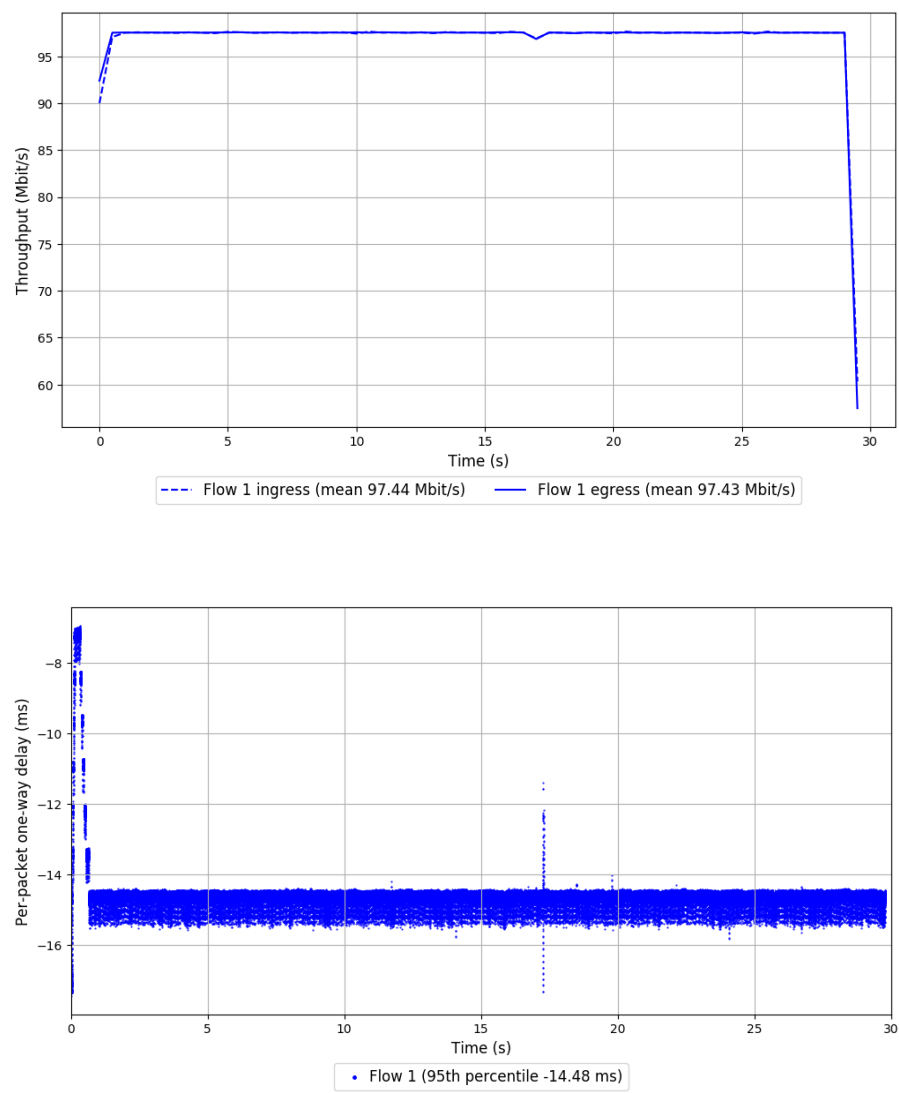
Run 4: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 97.44 Mbit/s) ----- Flow 1 egress (mean 97.43 Mbit/s)

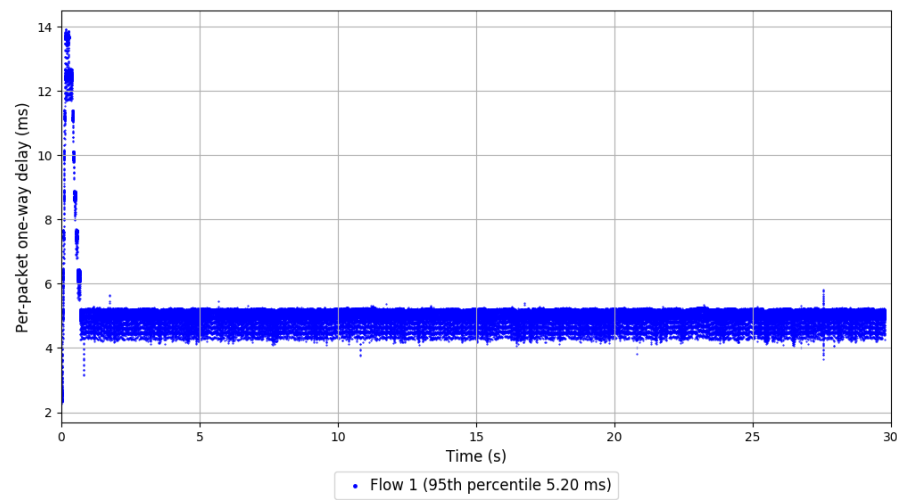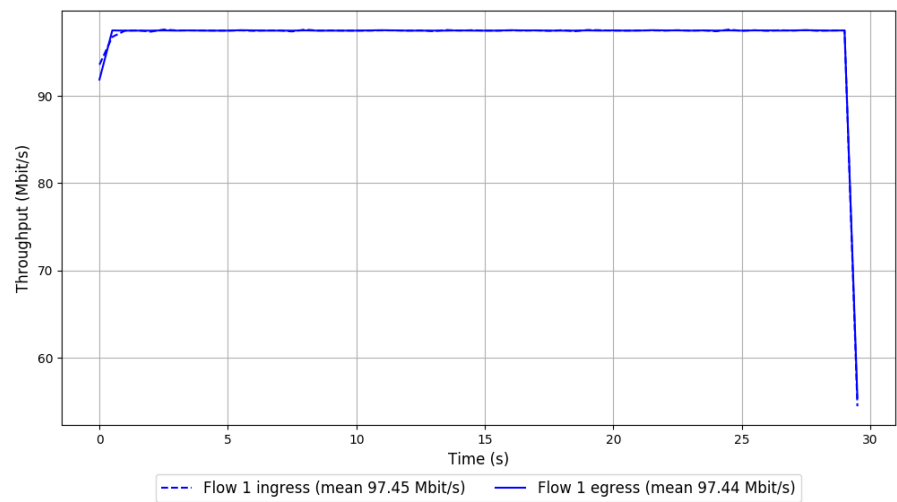
• Flow 1 (95th percentile -14.48 ms)

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

Start at: 2018-02-13 02:35:49
End at: 2018-02-13 02:36:19
Local clock offset: -4.629 ms
Remote clock offset: -4.746 ms


# Below is generated by plot.py at 2018-02-13 05:15:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.199 ms
Loss rate: 0.00%
```

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

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

Start at: 2018-02-13 02:56:04
End at: 2018-02-13 02:56:34
Local clock offset: -4.468 ms
Remote clock offset: -4.759 ms


# Below is generated by plot.py at 2018-02-13 05:16:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.155 ms
Loss rate: 0.00%
```
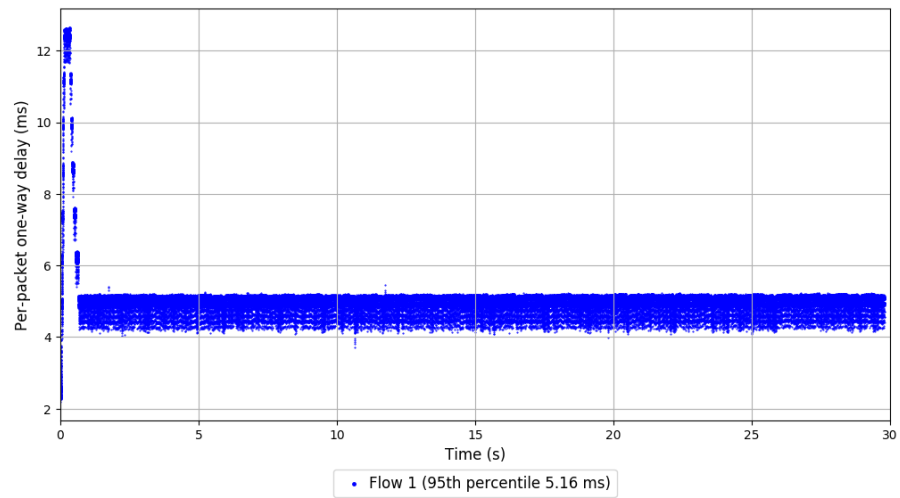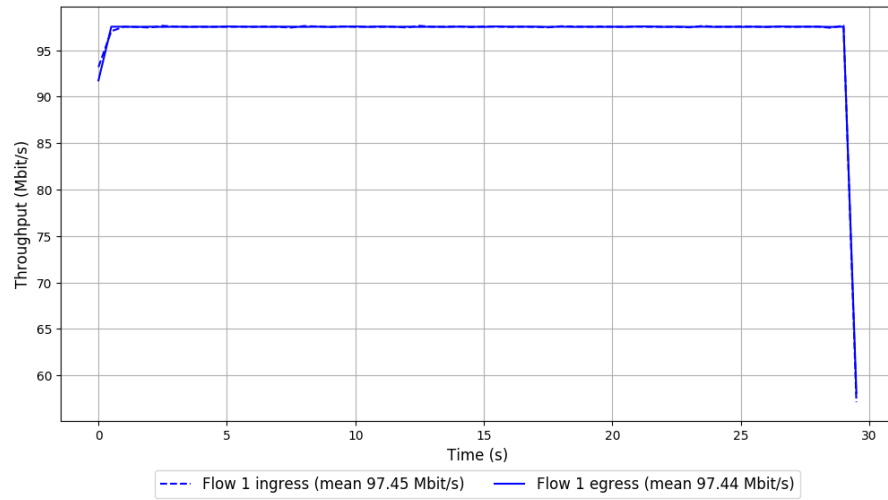
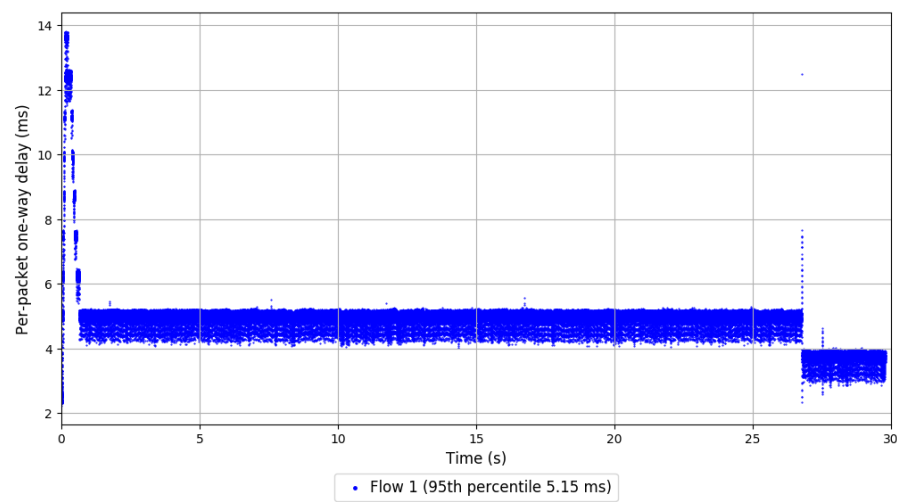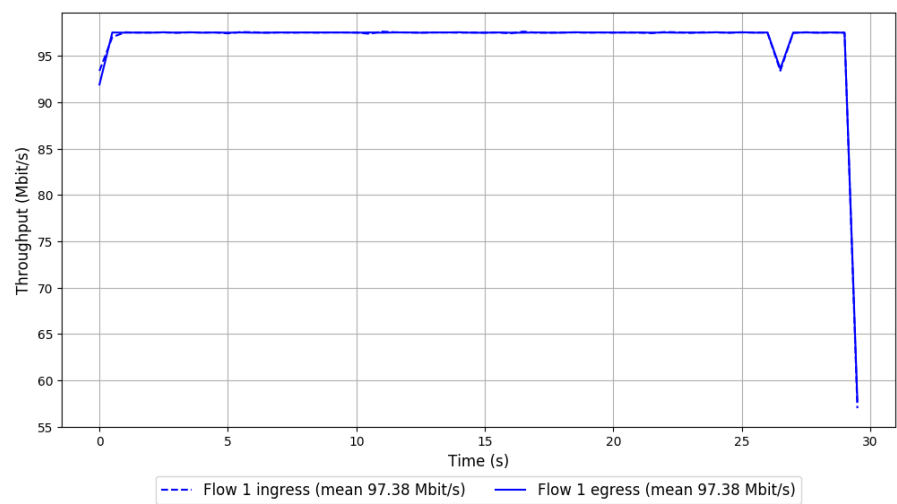Run 6: Report of Indigo-1-32 — Data Link

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

Start at: 2018-02-13 03:16:21
End at: 2018-02-13 03:16:51
Local clock offset: -5.237 ms
Remote clock offset: -5.026 ms


# Below is generated by plot.py at 2018-02-13 05:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.152 ms
Loss rate: 0.00%
```

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

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

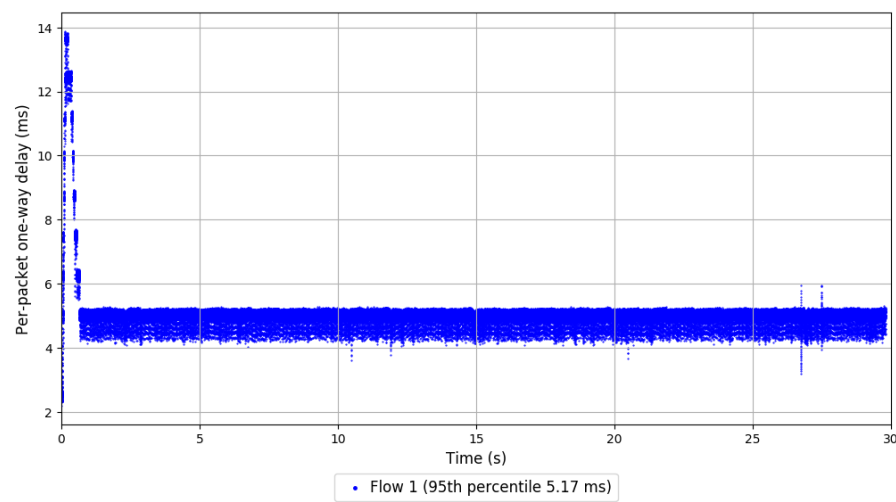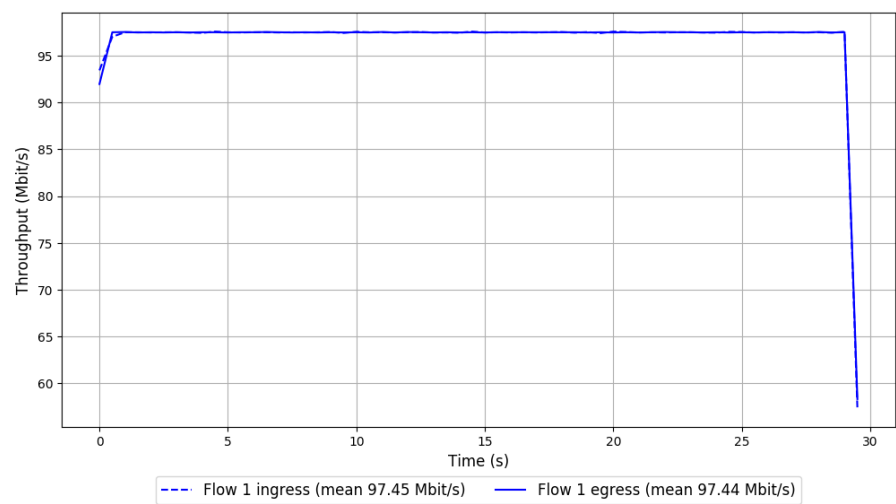Flow 1 (95th percentile 5.15 ms)

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

Start at: 2018-02-13 03:36:41
End at: 2018-02-13 03:37:11
Local clock offset: -5.656 ms
Remote clock offset: -4.964 ms


# Below is generated by plot.py at 2018-02-13 05:16:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.173 ms
Loss rate: 0.00%
```

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

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

Start at: 2018-02-13 03:57:02
End at: 2018-02-13 03:57:32
Local clock offset: -5.57 ms
Remote clock offset: -4.874 ms


# Below is generated by plot.py at 2018-02-13 05:16:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.174 ms
Loss rate: 0.00%
```
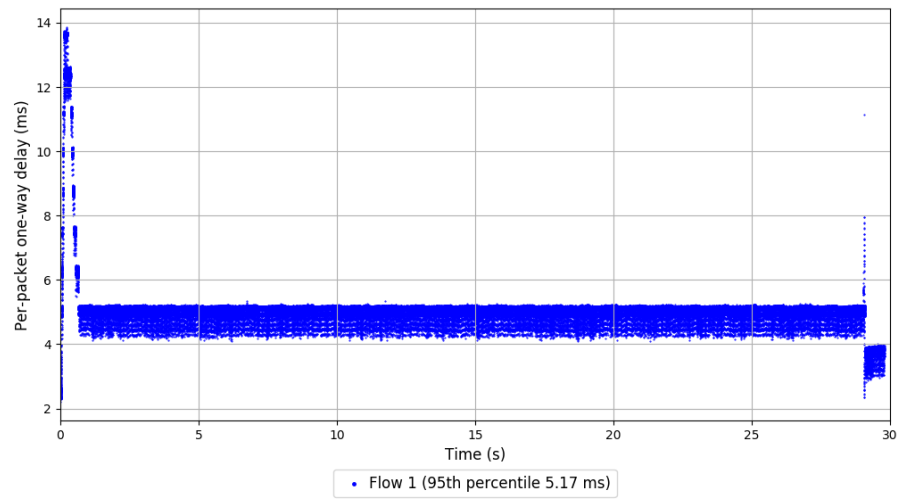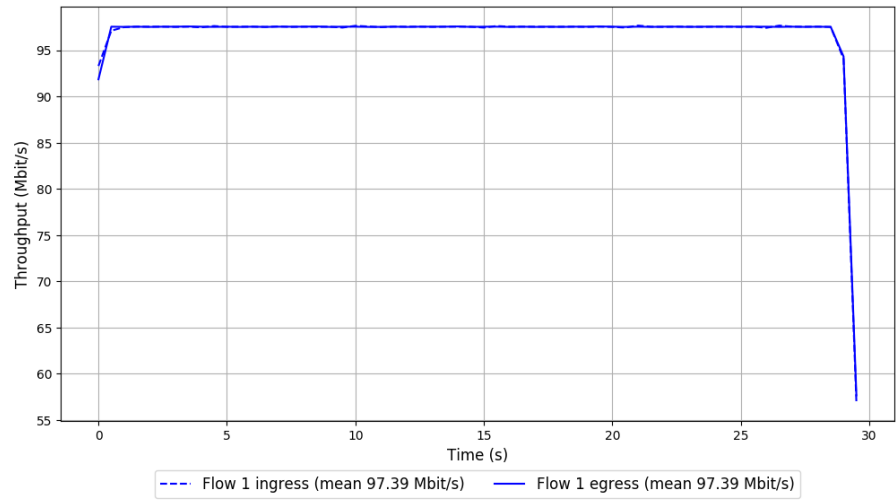
Run 9: Report of Indigo-1-32 — Data Link

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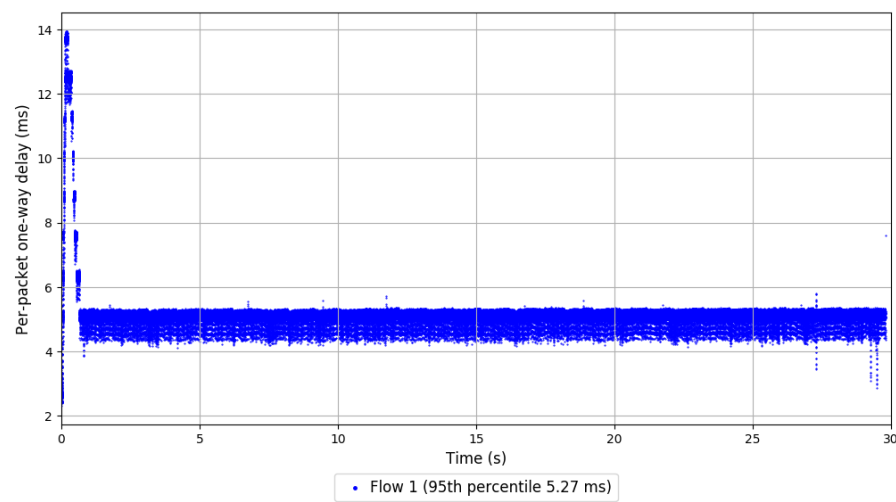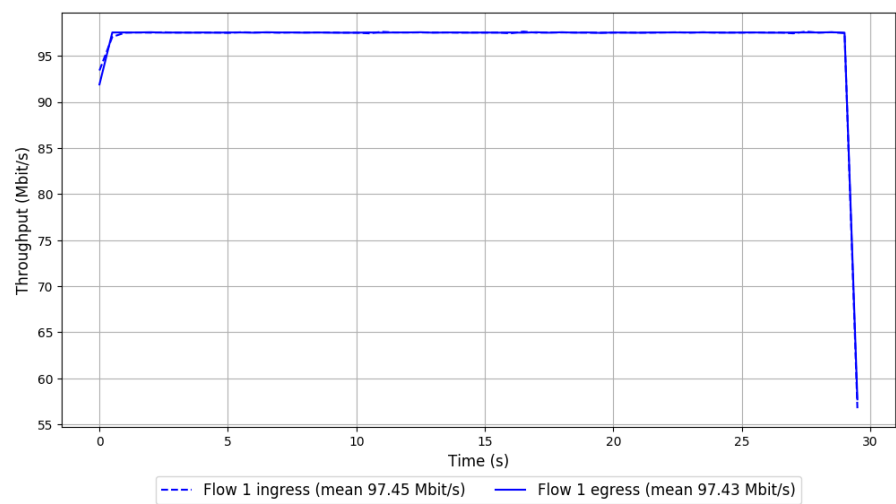

Flow 1 (95th percentile 5.17 ms)

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

Start at: 2018-02-13 04:17:23
End at: 2018-02-13 04:17:53
Local clock offset: -5.035 ms
Remote clock offset: -5.066 ms

# Below is generated by plot.py at 2018-02-13 05:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.271 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 97.45 Mbit/s) ----   Flow 1 egress (mean 97.43 Mbit/s) ———
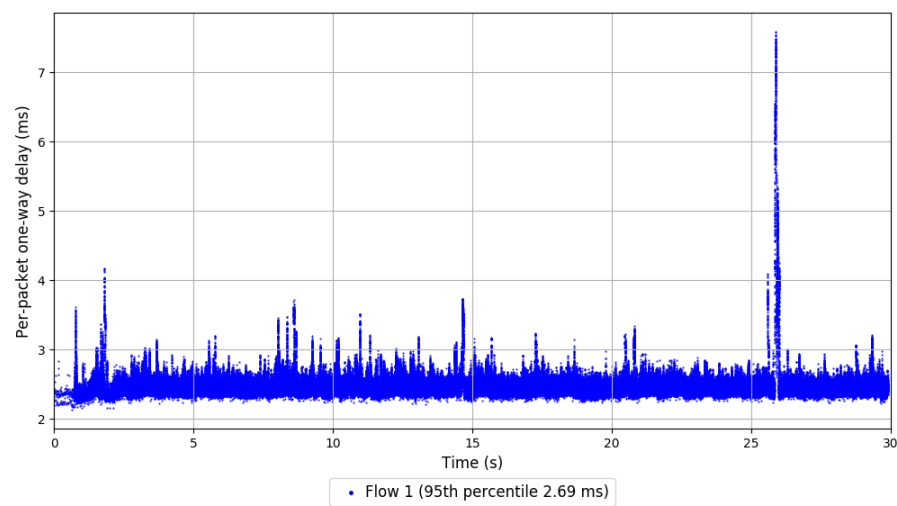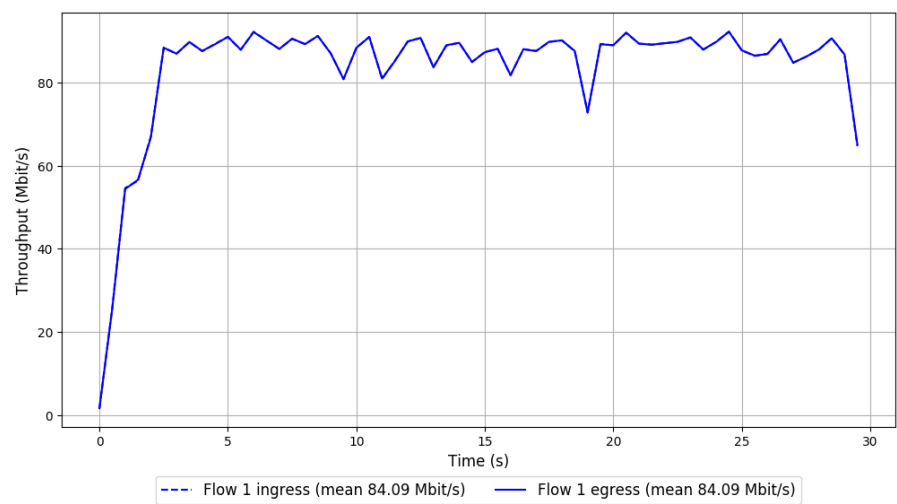

Flow 1 (95th percentile 5.27 ms)

```
Run 1: Statistics of Vivace-latency

Start at: 2018-02-13 01:20:16
End at: 2018-02-13 01:20:46
Local clock offset: -5.169 ms
Remote clock offset: -5.049 ms


# Below is generated by plot.py at 2018-02-13 05:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 2.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 2.694 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 84.09 Mbit/s)   Flow 1 egress (mean 84.09 Mbit/s)
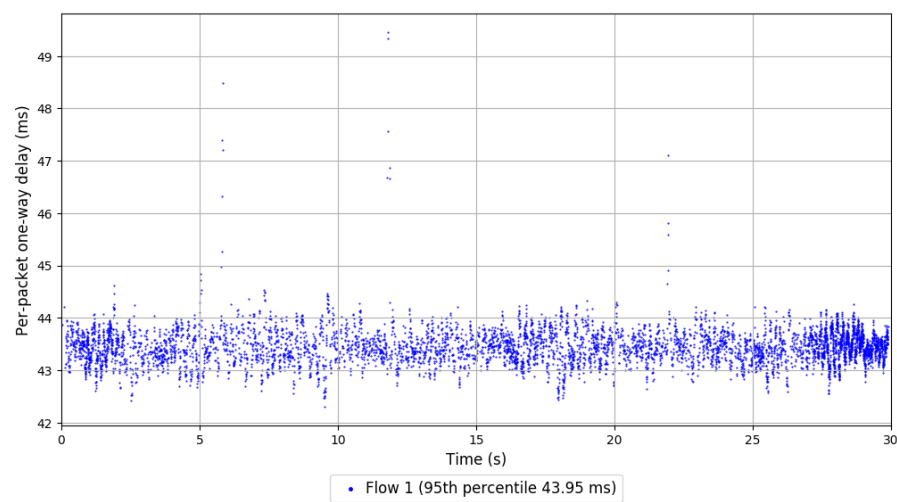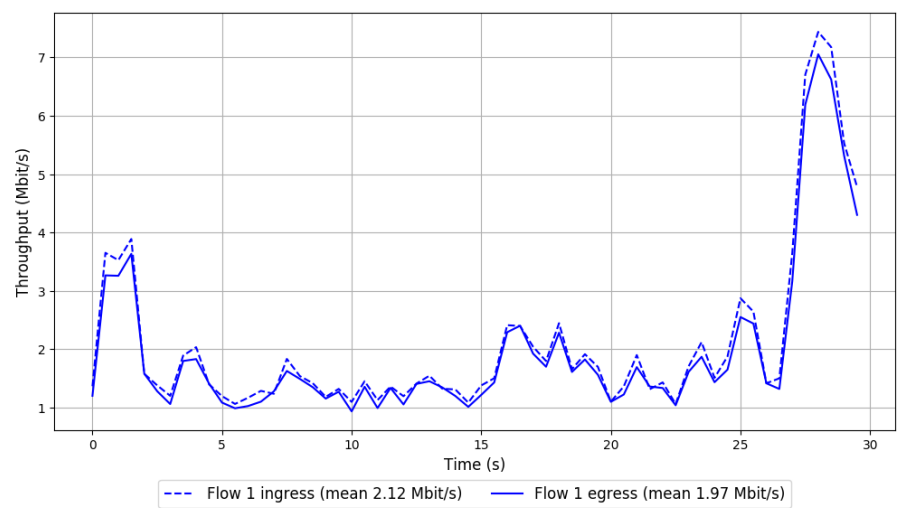

• Flow 1 (95th percentile 2.69 ms)

```
Run 2: Statistics of Vivace-latency

Start at: 2018-02-13 01:40:31
End at: 2018-02-13 01:41:01
Local clock offset: -5.321 ms
Remote clock offset: -5.308 ms


# Below is generated by plot.py at 2018-02-13 05:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 43.950 ms
Loss rate: 6.88%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 43.950 ms
Loss rate: 6.88%
```

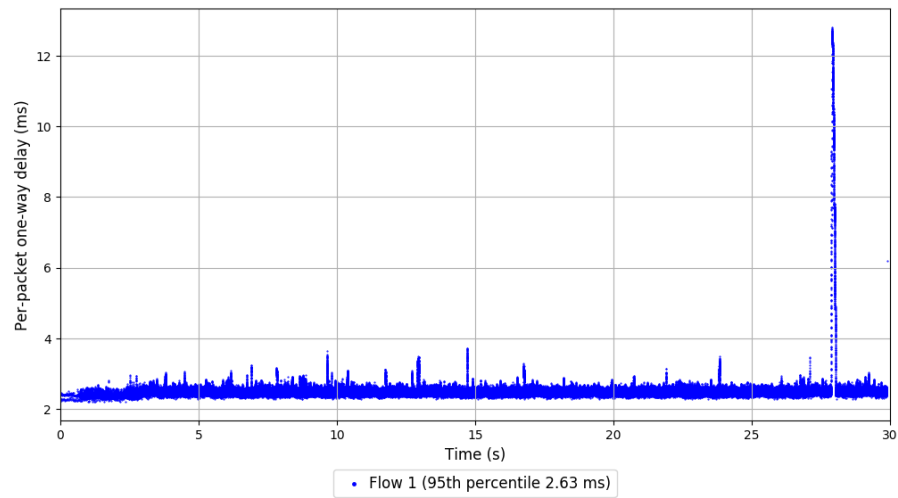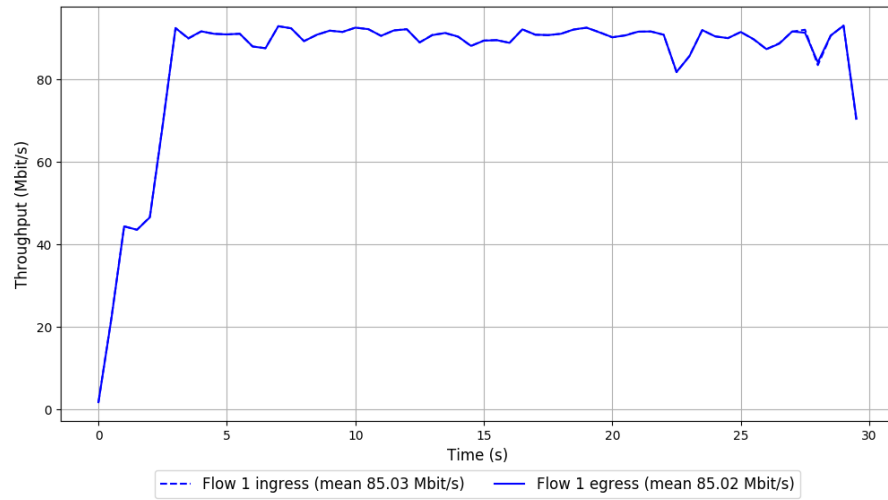Run 2: Report of Vivace-latency — Data Link

```
Run 3: Statistics of Vivace-latency

Start at: 2018-02-13 02:00:48
End at: 2018-02-13 02:01:18
Local clock offset: -5.064 ms
Remote clock offset: -4.895 ms


# Below is generated by plot.py at 2018-02-13 05:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 2.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 2.628 ms
Loss rate: 0.00%
```

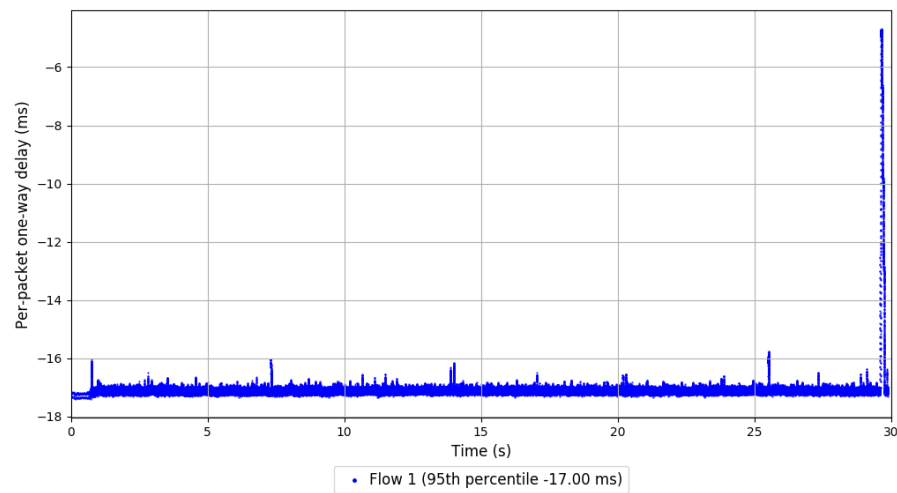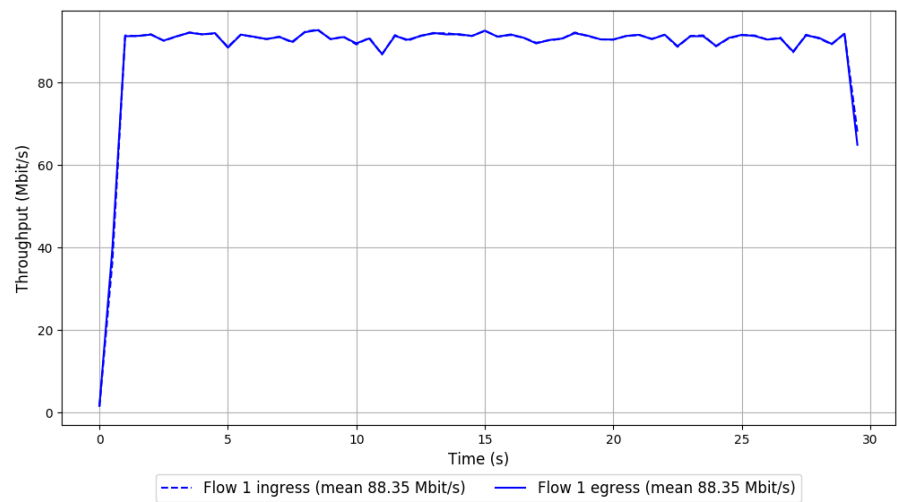Run 3: Report of Vivace-latency — Data Link

```
Run 4: Statistics of Vivace-latency

Start at: 2018-02-13 02:21:10
End at: 2018-02-13 02:21:40
Local clock offset: -4.737 ms
Remote clock offset: -24.342 ms


# Below is generated by plot.py at 2018-02-13 05:17:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: -16.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: -16.998 ms
Loss rate: 0.00%
```

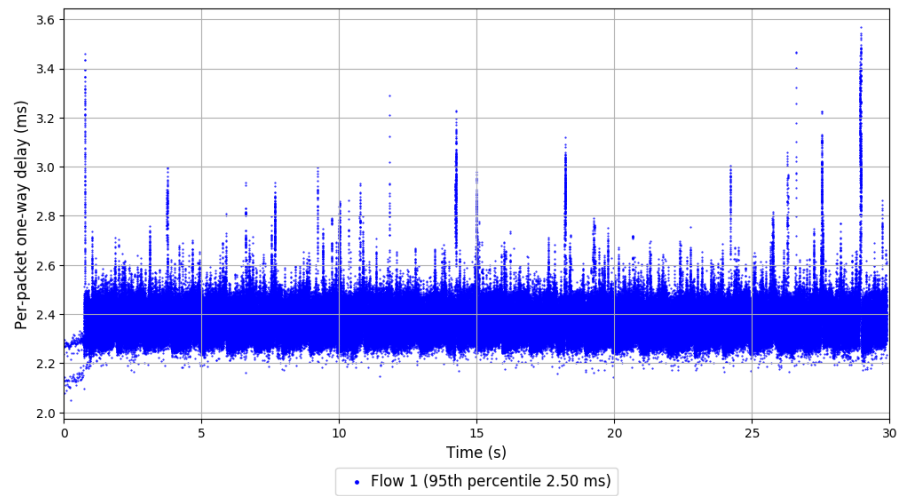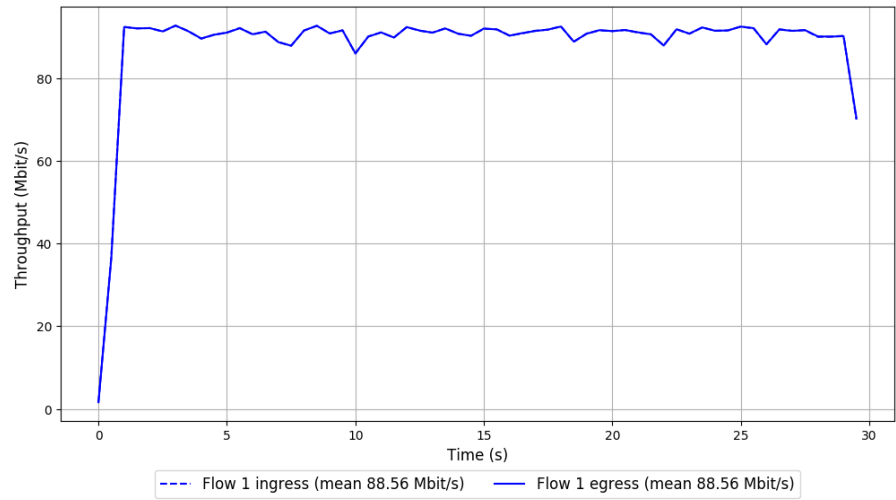Run 4: Report of Vivace-latency — Data Link

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```
Run 5: Statistics of Vivace-latency

Start at: 2018-02-13 02:41:24
End at: 2018-02-13 02:41:54
Local clock offset: -4.56 ms
Remote clock offset: -4.801 ms


# Below is generated by plot.py at 2018-02-13 05:17:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%
```

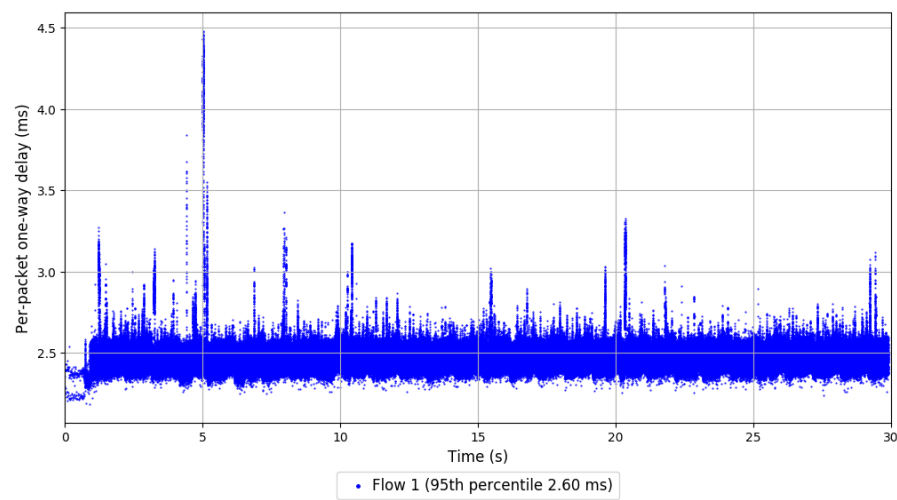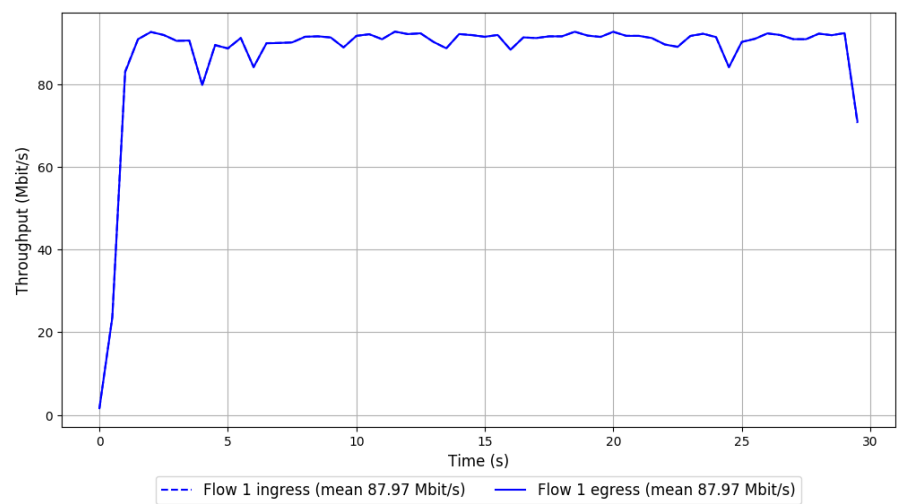Run 5: Report of Vivace-latency — Data Link

```
Run 6: Statistics of Vivace-latency

Start at: 2018-02-13 03:01:42
End at: 2018-02-13 03:02:12
Local clock offset: -4.463 ms
Remote clock offset: -4.889 ms


# Below is generated by plot.py at 2018-02-13 05:17:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 2.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 2.595 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 87.97 Mbit/s)   Flow 1 egress (mean 87.97 Mbit/s)
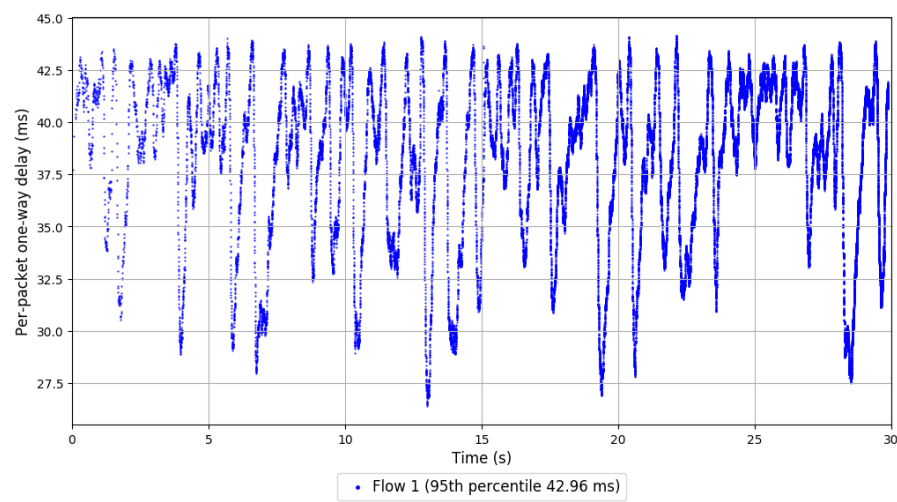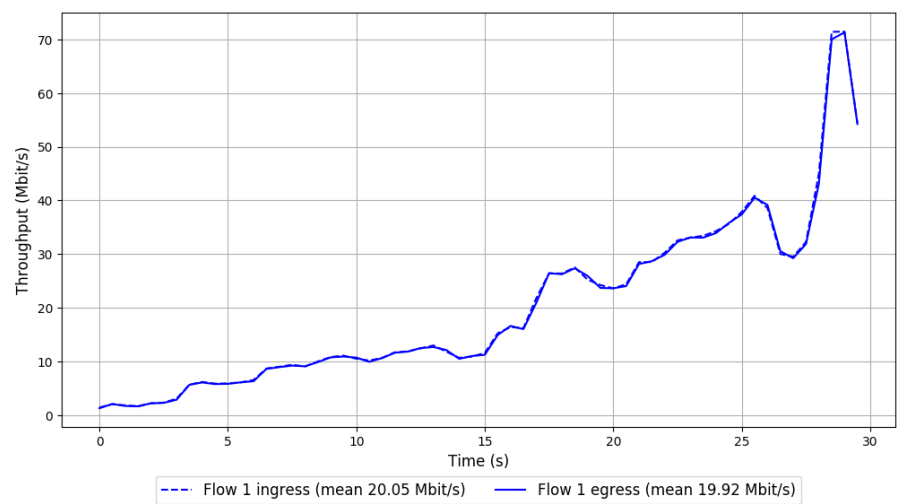

Flow 1 (95th percentile 2.60 ms)

```
Run 7: Statistics of Vivace-latency

Start at: 2018-02-13 03:22:00
End at: 2018-02-13 03:22:30
Local clock offset: -5.385 ms
Remote clock offset: -5.086 ms


# Below is generated by plot.py at 2018-02-13 05:17:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.92 Mbit/s
95th percentile per-packet one-way delay: 42.958 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 19.92 Mbit/s
95th percentile per-packet one-way delay: 42.958 ms
Loss rate: 0.76%
```

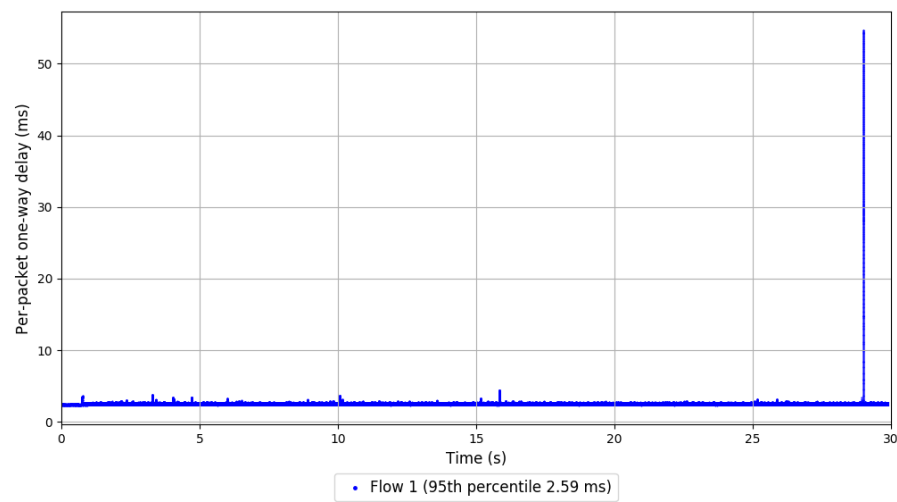Run 7: Report of Vivace-latency — Data Link

```
Run 8: Statistics of Vivace-latency

Start at: 2018-02-13 03:42:19
End at: 2018-02-13 03:42:49
Local clock offset: -5.524 ms
Remote clock offset: -4.854 ms


# Below is generated by plot.py at 2018-02-13 05:18:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 2.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 2.589 ms
Loss rate: 0.00%
```
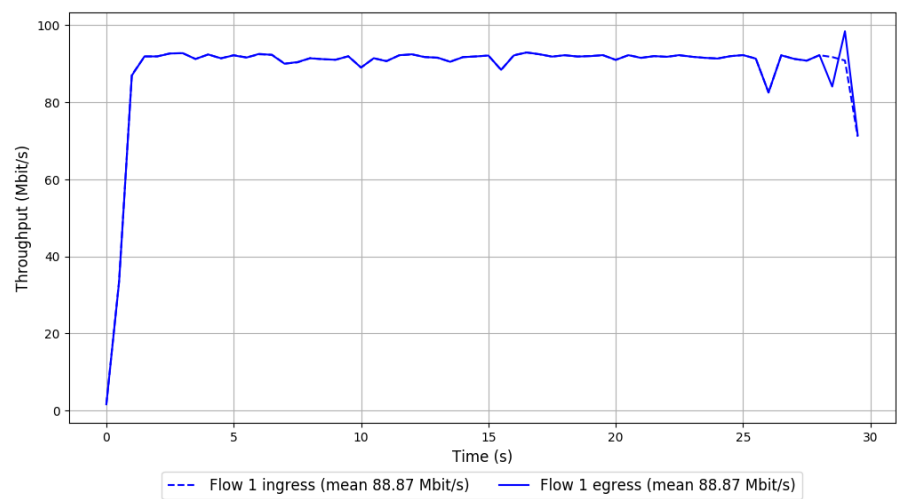
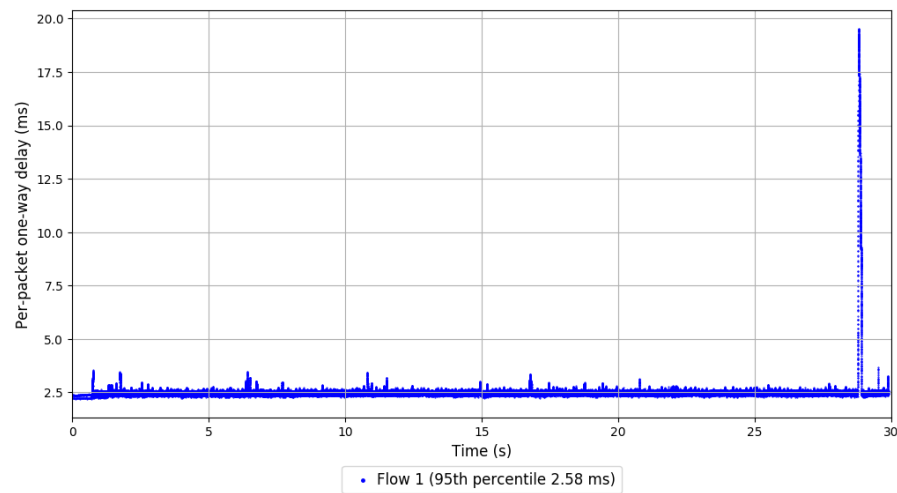Run 8: Report of Vivace-latency — Data Link

```
Run 9: Statistics of Vivace-latency

Start at: 2018-02-13 04:02:40
End at: 2018-02-13 04:03:10
Local clock offset: -5.611 ms
Remote clock offset: -4.862 ms


# Below is generated by plot.py at 2018-02-13 05:18:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.79 Mbit/s
95th percentile per-packet one-way delay: 2.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.79 Mbit/s
95th percentile per-packet one-way delay: 2.585 ms
Loss rate: 0.00%
```

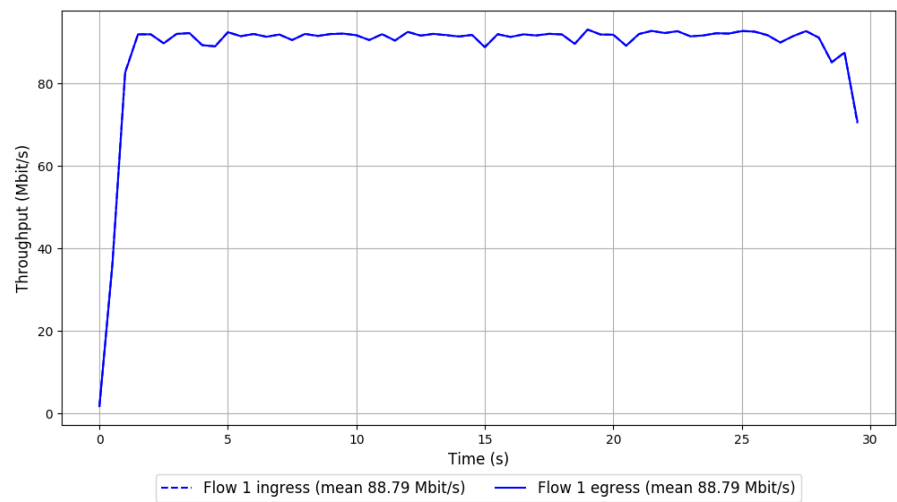Run 9: Report of Vivace-latency — Data Link

```
Run 10: Statistics of Vivace-latency

Start at: 2018-02-13 04:23:01
End at: 2018-02-13 04:23:31
Local clock offset: -4.674 ms
Remote clock offset: -5.104 ms


# Below is generated by plot.py at 2018-02-13 05:18:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.87 Mbit/s
95th percentile per-packet one-way delay: 2.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.87 Mbit/s
95th percentile per-packet one-way delay: 2.748 ms
Loss rate: 0.00%
```
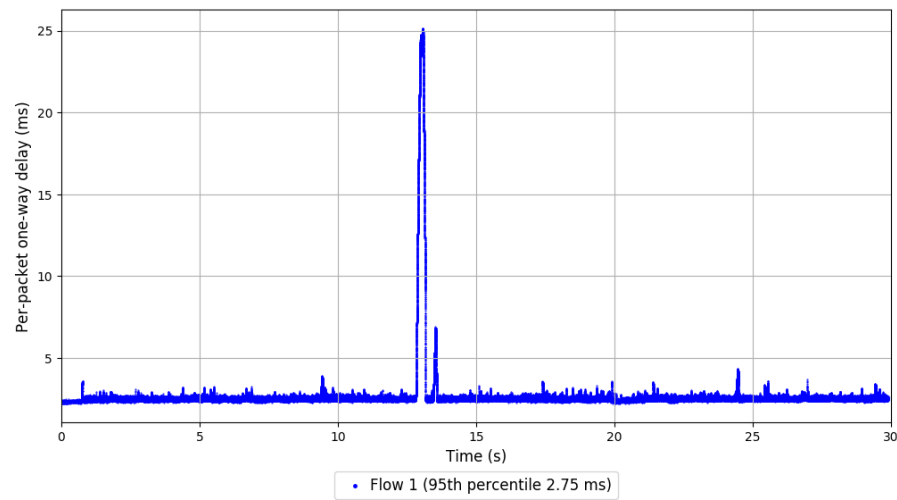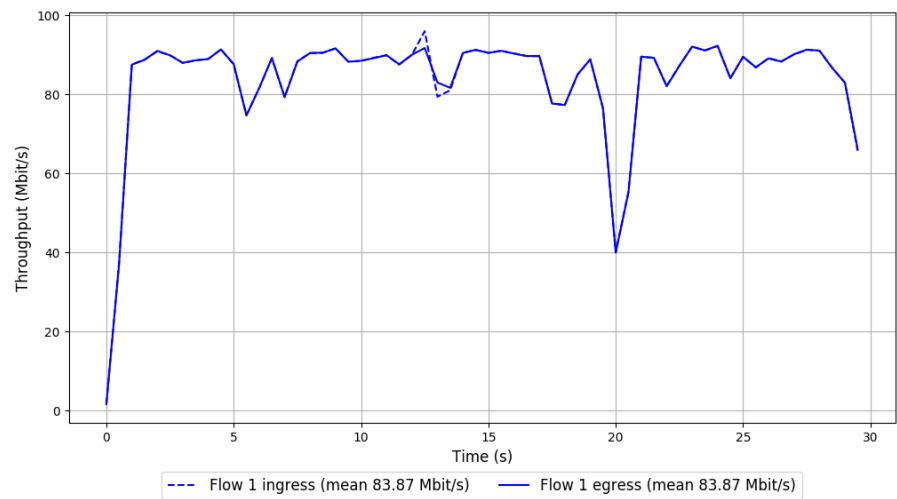
Run 10: Report of Vivace-latency — Data Link

Flow 1 ingress (mean 83.87 Mbit/s)　　Flow 1 egress (mean 83.87 Mbit/s)

· Flow 1 (95th percentile 2.75 ms)

```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-13 01:17:01
End at: 2018-02-13 01:17:31
Local clock offset: -5.253 ms
Remote clock offset: -5.003 ms


# Below is generated by plot.py at 2018-02-13 05:18:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 44.119 ms
Loss rate: 7.61%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 44.119 ms
Loss rate: 7.61%
```
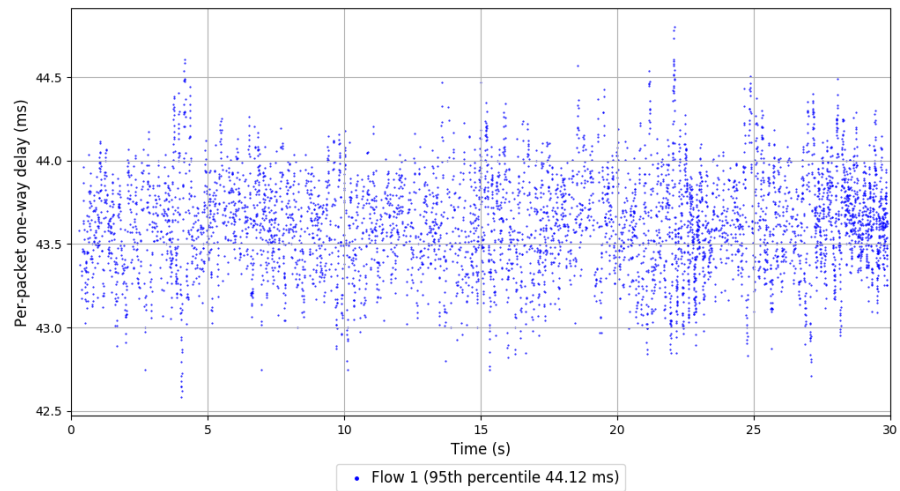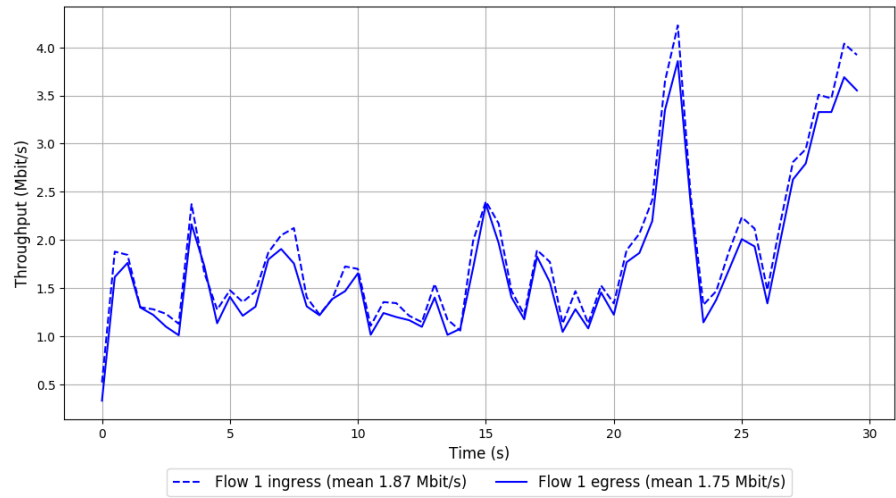
Run 1: Report of Vivace-loss — Data Link

```
Run 2: Statistics of Vivace-loss

Start at: 2018-02-13 01:37:10
End at: 2018-02-13 01:37:40
Local clock offset: -5.362 ms
Remote clock offset: -5.21 ms


# Below is generated by plot.py at 2018-02-13 05:18:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 32.199 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 32.199 ms
Loss rate: 2.42%
```
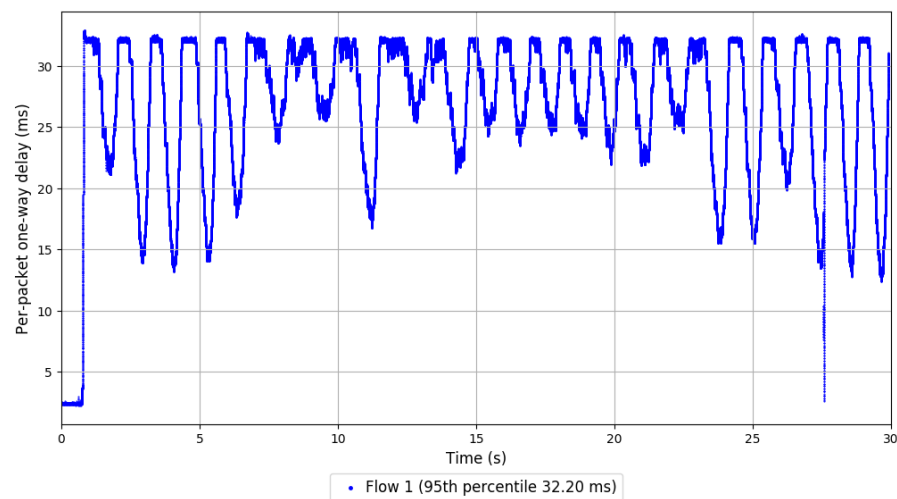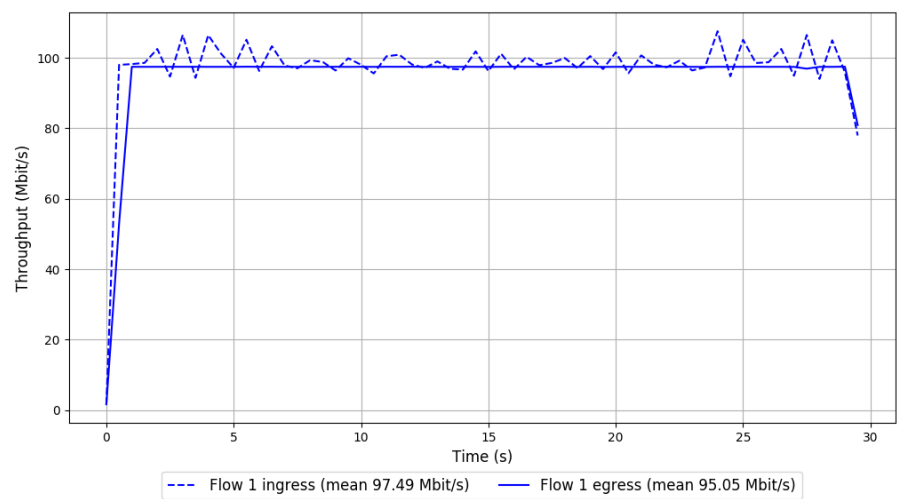
Run 2: Report of Vivace-loss — Data Link

```
Run 3: Statistics of Vivace-loss

Start at: 2018-02-13 01:57:26
End at: 2018-02-13 01:57:56
Local clock offset: -5.183 ms
Remote clock offset: -4.938 ms


# Below is generated by plot.py at 2018-02-13 05:18:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 3.32%
```

Run 3: Report of Vivace-loss — Data Link

```
Run 4: Statistics of Vivace-loss

Start at: 2018-02-13 02:17:49
End at: 2018-02-13 02:18:19
Local clock offset: -4.774 ms
Remote clock offset: -4.759 ms


# Below is generated by plot.py at 2018-02-13 05:18:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 32.145 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 32.145 ms
Loss rate: 3.95%
```
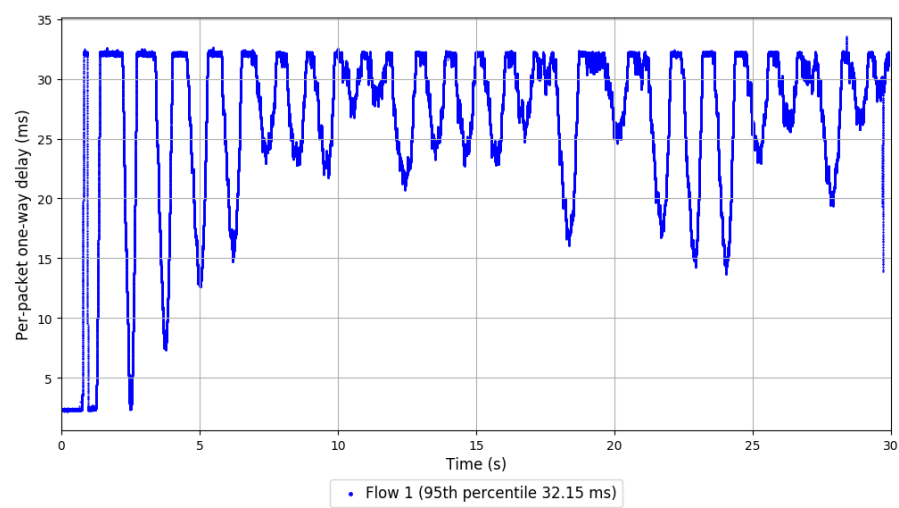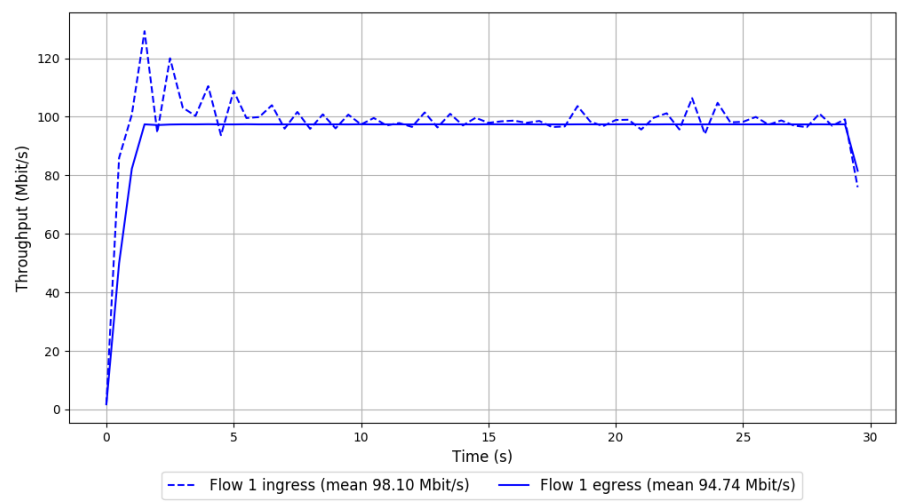
Run 4: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 98.74 Mbit/s) --- Flow 1 egress (mean 94.76 Mbit/s)

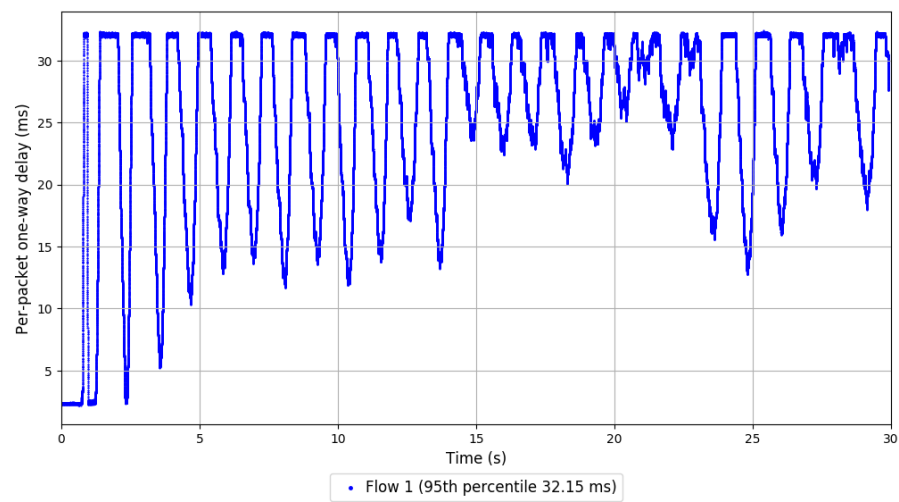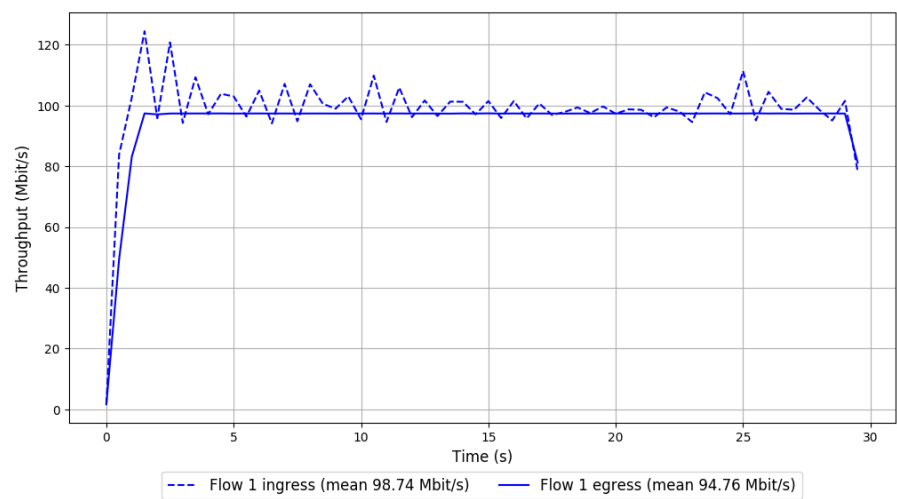

• Flow 1 (95th percentile 32.15 ms)

```
Run 5: Statistics of Vivace-loss

Start at: 2018-02-13 02:38:06
End at: 2018-02-13 02:38:36
Local clock offset: -4.611 ms
Remote clock offset: -4.755 ms


# Below is generated by plot.py at 2018-02-13 05:18:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 32.134 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 32.134 ms
Loss rate: 3.61%
```

Run 5: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 98.38 Mbit/s)   Flow 1 egress (mean 94.74 Mbit/s)

Flow 1 (95th percentile 32.13 ms)

```
Run 6: Statistics of Vivace-loss

Start at: 2018-02-13 02:58:21
End at: 2018-02-13 02:58:51
Local clock offset: -4.487 ms
Remote clock offset: -4.828 ms


# Below is generated by plot.py at 2018-02-13 05:19:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.121 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.121 ms
Loss rate: 2.16%
```
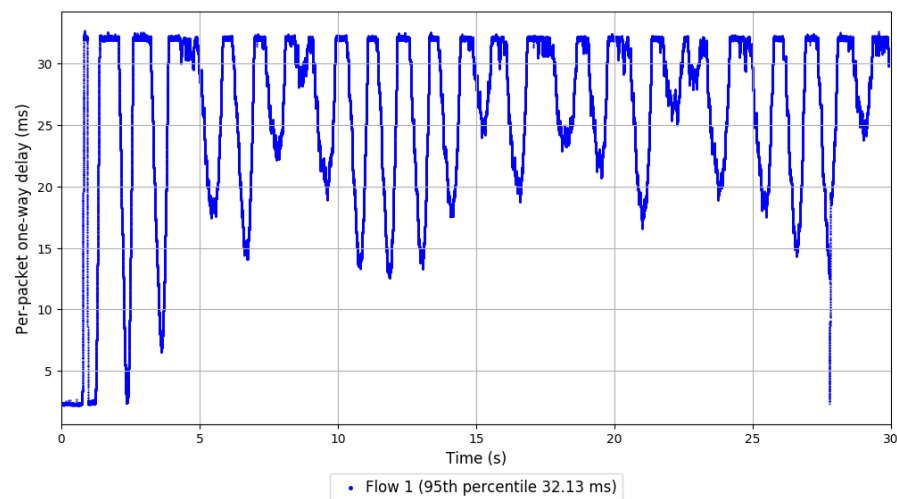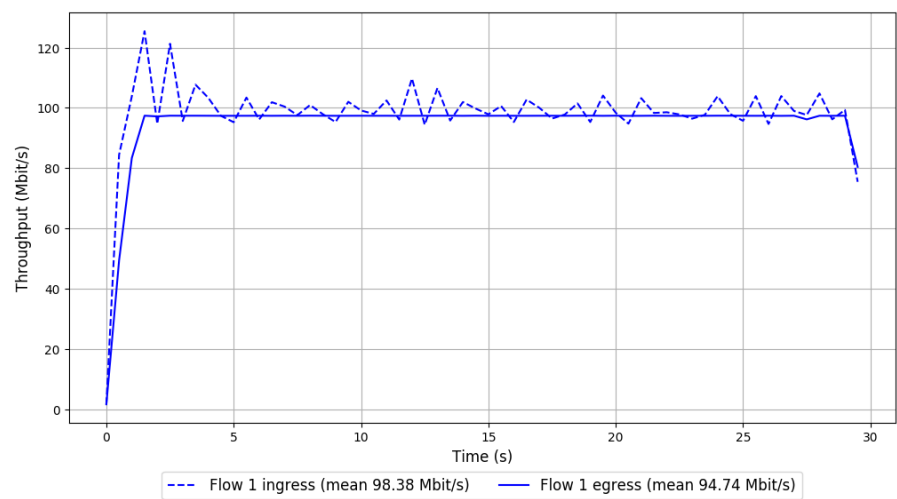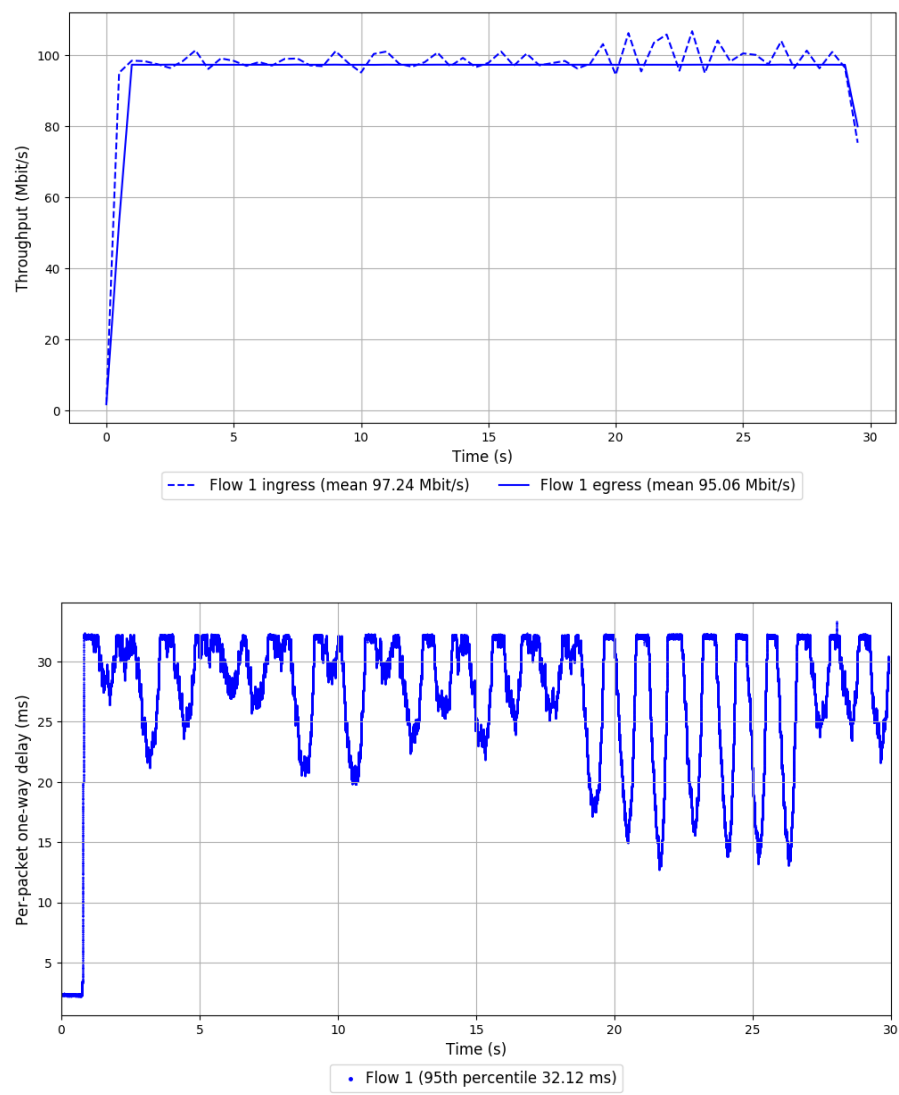
Run 6: Report of Vivace-loss — Data Link

Flow 1 ingress (mean 97.24 Mbit/s)   Flow 1 egress (mean 95.06 Mbit/s)

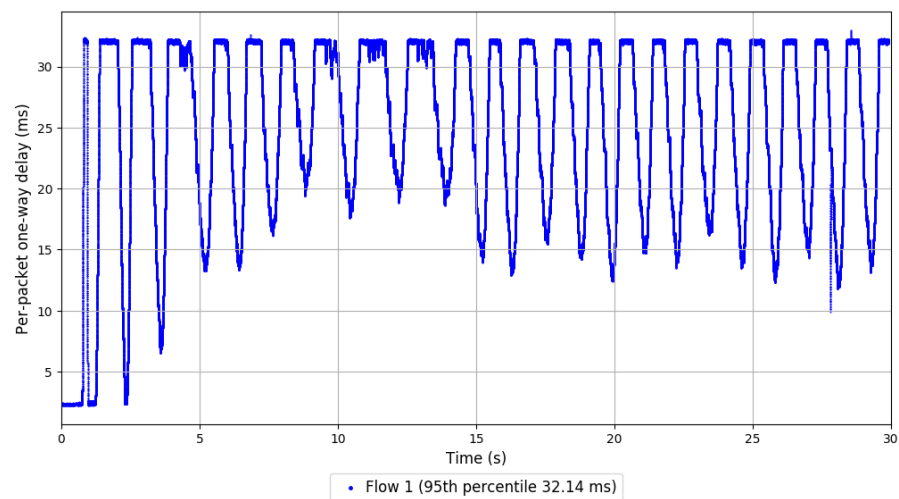

• Flow 1 (95th percentile 32.12 ms)

```
Run 7: Statistics of Vivace-loss

Start at: 2018-02-13 03:18:39
End at: 2018-02-13 03:19:09
Local clock offset: -5.289 ms
Remote clock offset: -5.027 ms


# Below is generated by plot.py at 2018-02-13 05:19:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 32.140 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 32.140 ms
Loss rate: 4.70%
```

Run 7: Report of Vivace-loss — Data Link

```
Run 8: Statistics of Vivace-loss

Start at: 2018-02-13 03:38:58
End at: 2018-02-13 03:39:28
Local clock offset: -5.595 ms
Remote clock offset: -4.88 ms


# Below is generated by plot.py at 2018-02-13 05:19:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 39.664 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 39.664 ms
Loss rate: 2.19%
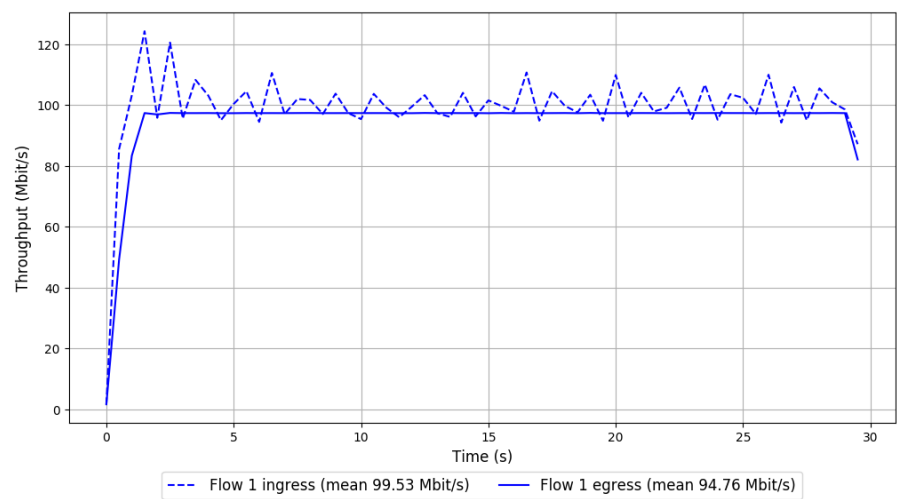```
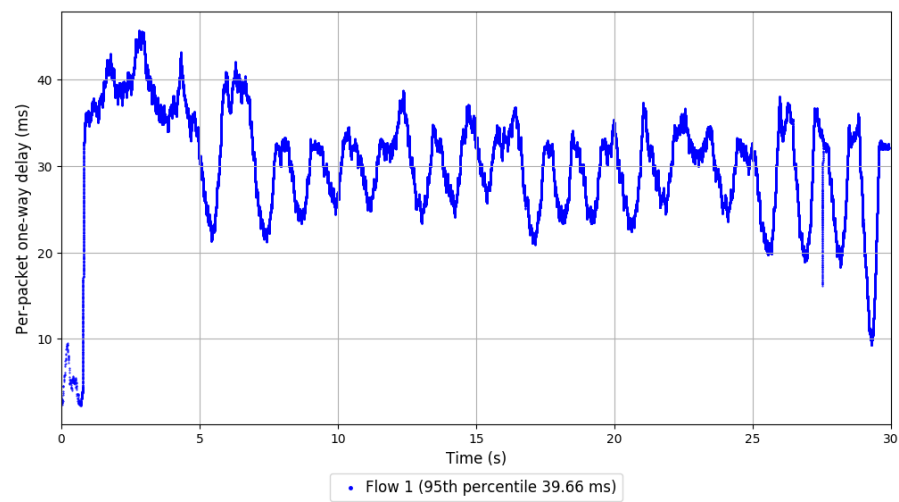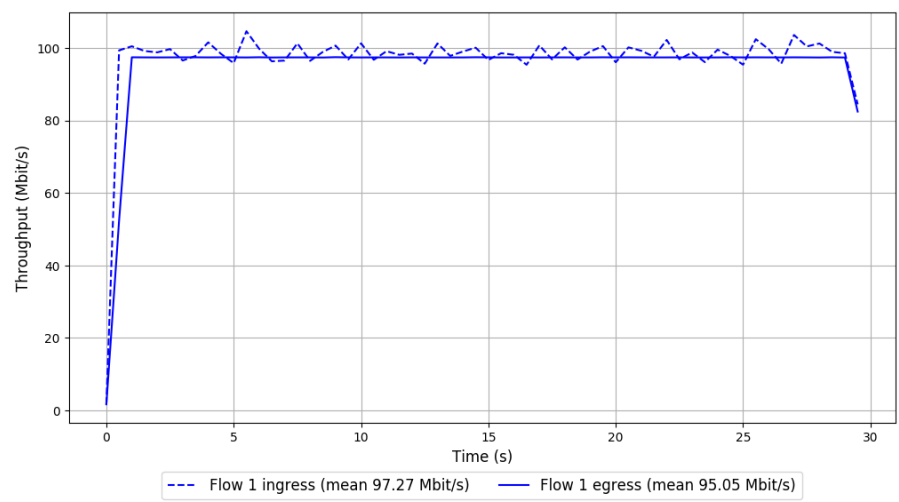
Run 8: Report of Vivace-loss — Data Link



Flow 1 ingress (mean 97.27 Mbit/s)    Flow 1 egress (mean 95.05 Mbit/s)



• Flow 1 (95th percentile 39.66 ms)

```
Run 9: Statistics of Vivace-loss

Start at: 2018-02-13 03:59:19
End at: 2018-02-13 03:59:49
Local clock offset: -5.513 ms
Remote clock offset: -4.884 ms

Below is generated by plot.py at 2018-02-13 05:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 32.200 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 32.200 ms
Loss rate: 2.83%
```
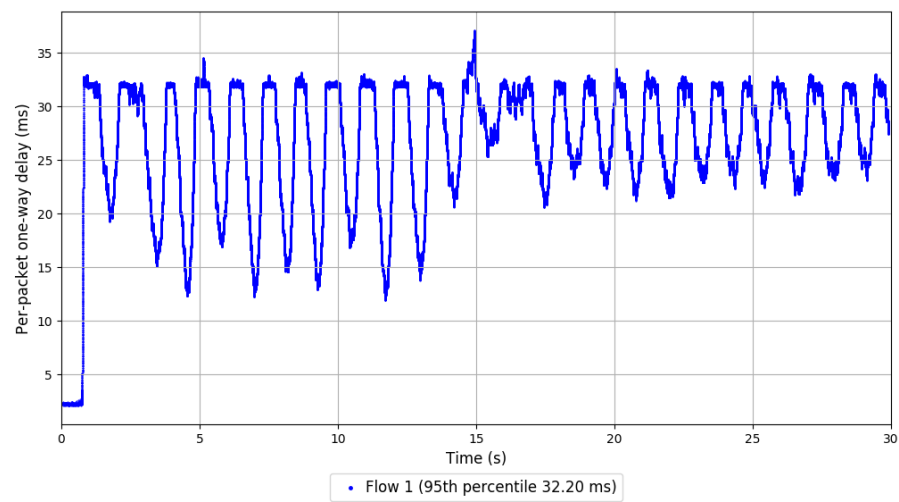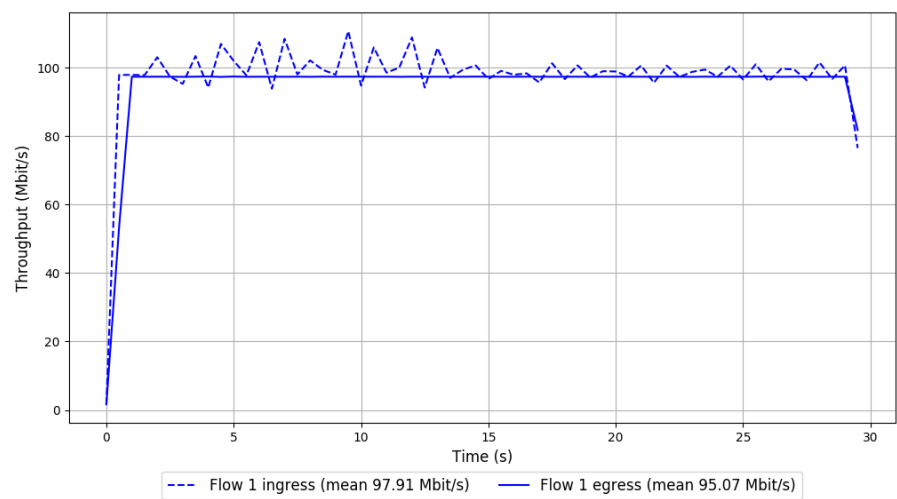
Run 9: Report of Vivace-loss — Data Link



Flow 1 ingress (mean 97.91 Mbit/s)    Flow 1 egress (mean 95.07 Mbit/s)

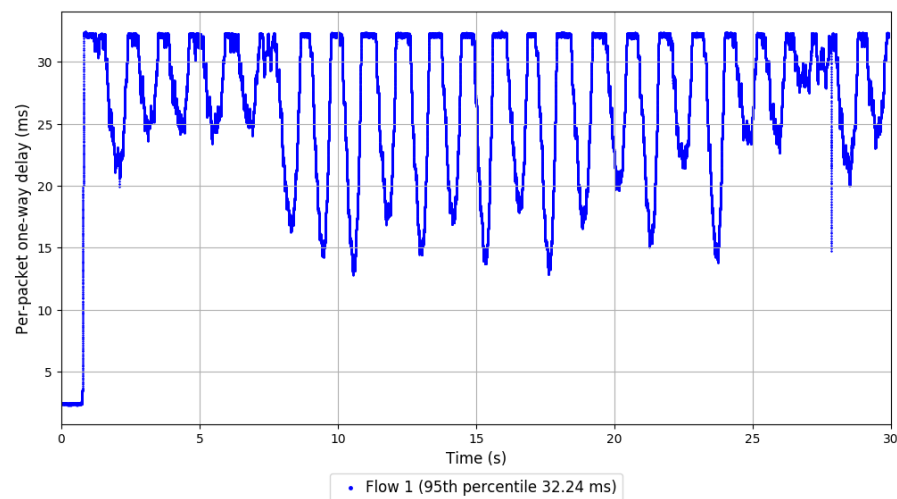

• Flow 1 (95th percentile 32.20 ms)

```
Run 10: Statistics of Vivace-loss

Start at: 2018-02-13 04:19:40
End at: 2018-02-13 04:20:10
Local clock offset: -4.895 ms
Remote clock offset: -5.075 ms


# Below is generated by plot.py at 2018-02-13 05:19:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.239 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 32.239 ms
Loss rate: 2.86%
```

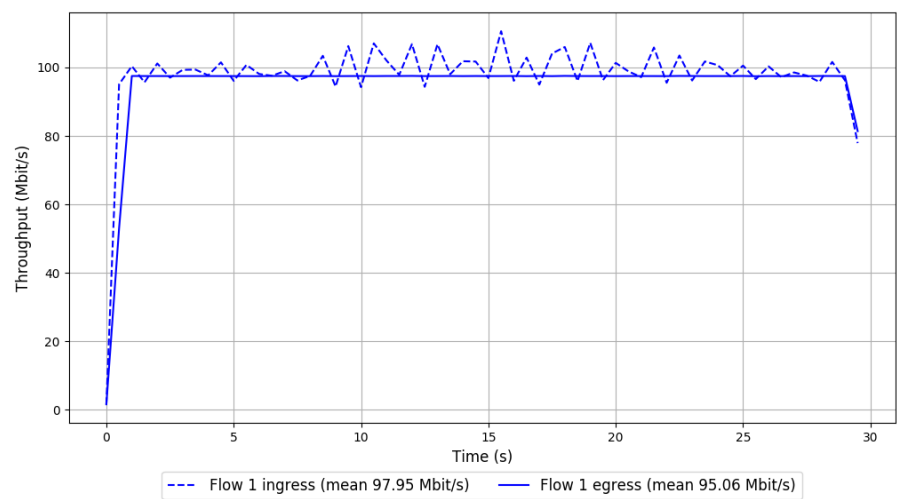Run 10: Report of Vivace-loss — Data Link

```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-13 01:07:55
End at: 2018-02-13 01:08:25
Local clock offset: -5.157 ms
Remote clock offset: -4.928 ms


# Below is generated by plot.py at 2018-02-13 05:19:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 5.889 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 5.889 ms
Loss rate: 0.04%
```

Run 1: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 90.63 Mbit/s) --- Flow 1 egress (mean 90.59 Mbit/s)
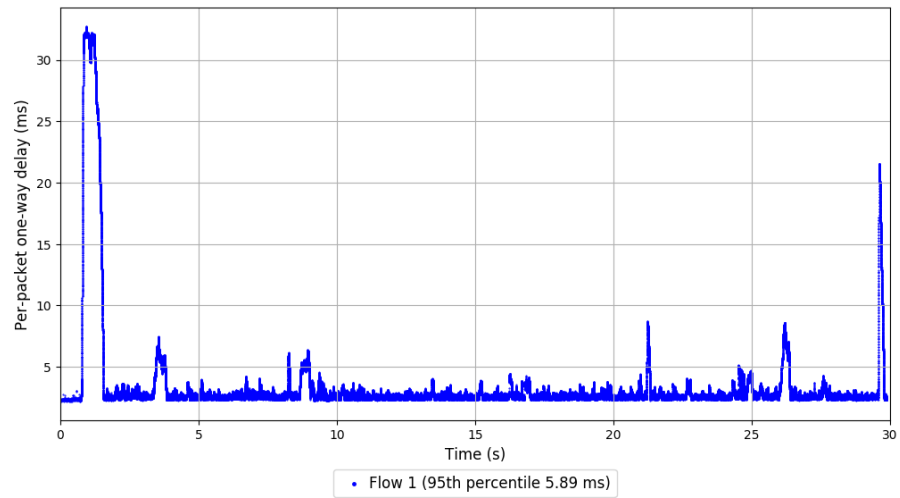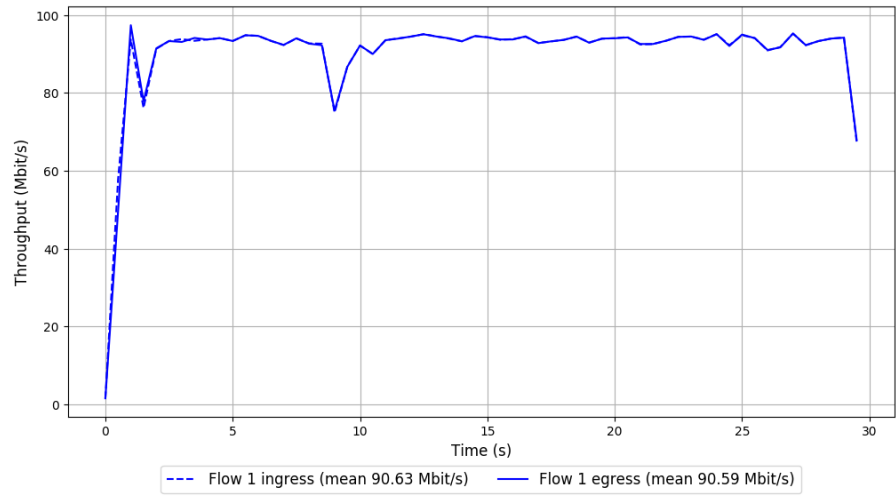

Flow 1 (95th percentile 5.89 ms)

```
Run 2: Statistics of Vivace-LTE

Start at: 2018-02-13 01:28:05
End at: 2018-02-13 01:28:35
Local clock offset: -5.226 ms
Remote clock offset: -5.195 ms


# Below is generated by plot.py at 2018-02-13 05:20:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 8.550 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 8.550 ms
Loss rate: 0.05%
```

Run 2: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 92.53 Mbit/s) --- Flow 1 egress (mean 92.48 Mbit/s)
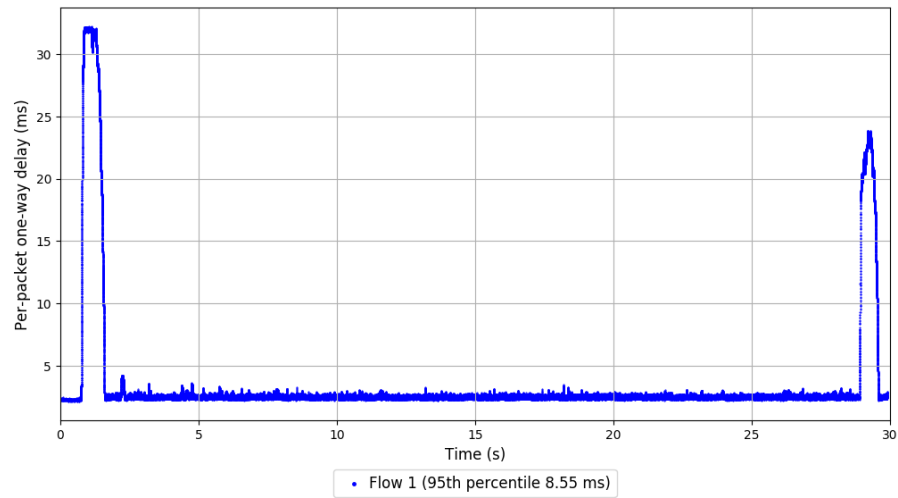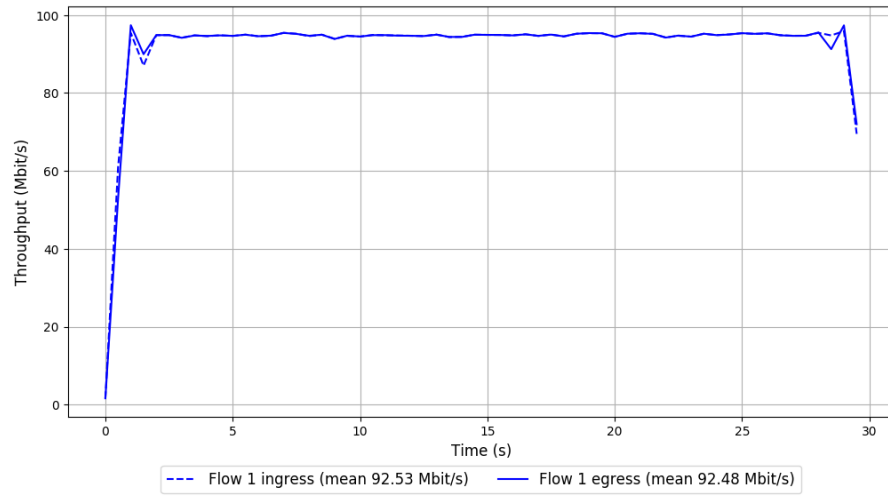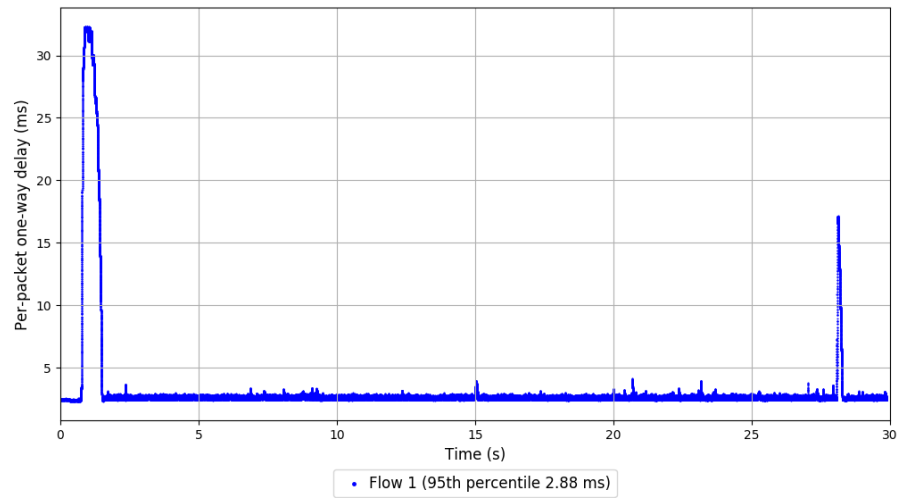

Flow 1 (95th percentile 8.55 ms)

```
Run 3: Statistics of Vivace-LTE

Start at: 2018-02-13 01:48:20
End at: 2018-02-13 01:48:50
Local clock offset: -5.404 ms
Remote clock offset: -5.176 ms

# Below is generated by plot.py at 2018-02-13 05:20:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 2.885 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 2.885 ms
Loss rate: 0.03%
```
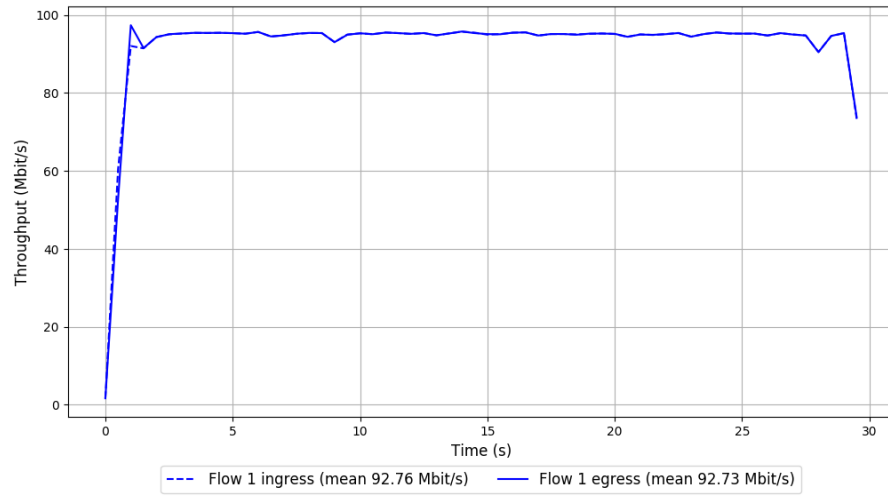
Run 3: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 92.76 Mbit/s)   Flow 1 egress (mean 92.73 Mbit/s)
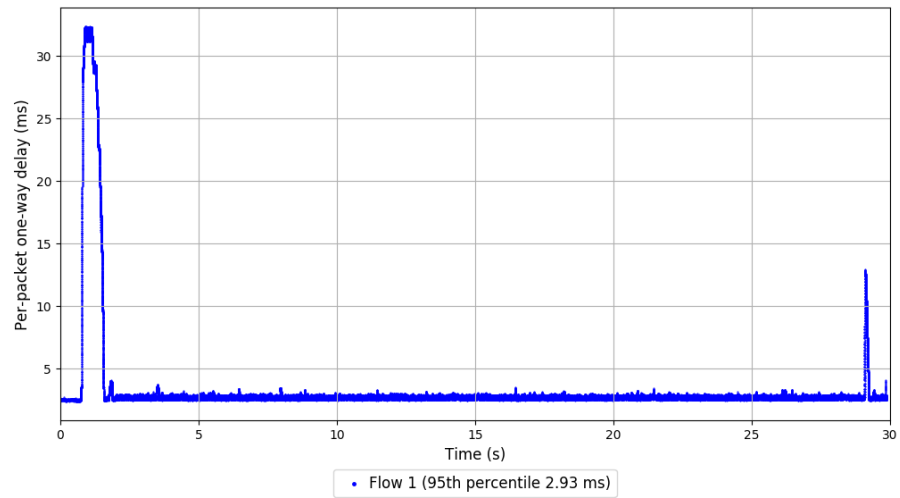

Flow 1 (95th percentile 2.88 ms)

```
Run 4: Statistics of Vivace-LTE

Start at: 2018-02-13 02:08:43
End at: 2018-02-13 02:09:13
Local clock offset: -4.976 ms
Remote clock offset: -4.804 ms

# Below is generated by plot.py at 2018-02-13 05:20:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 2.930 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 2.930 ms
Loss rate: 0.03%
```

Run 4: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 92.91 Mbit/s)   Flow 1 egress (mean 92.88 Mbit/s)
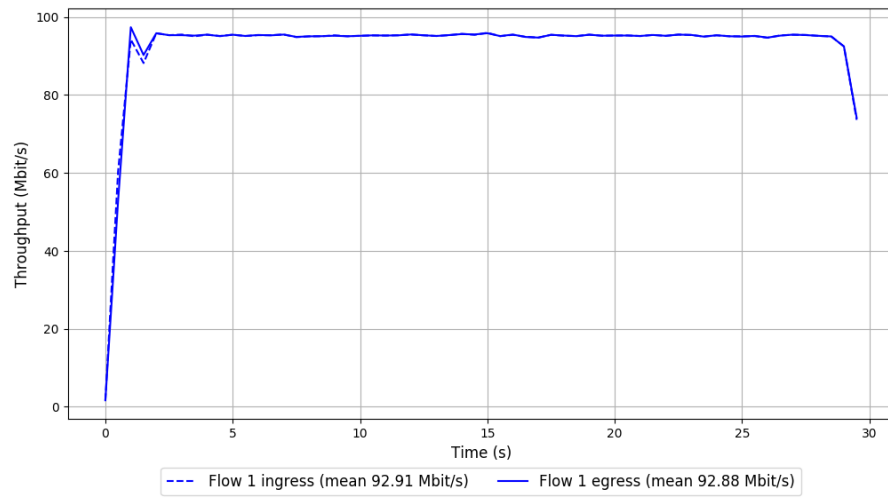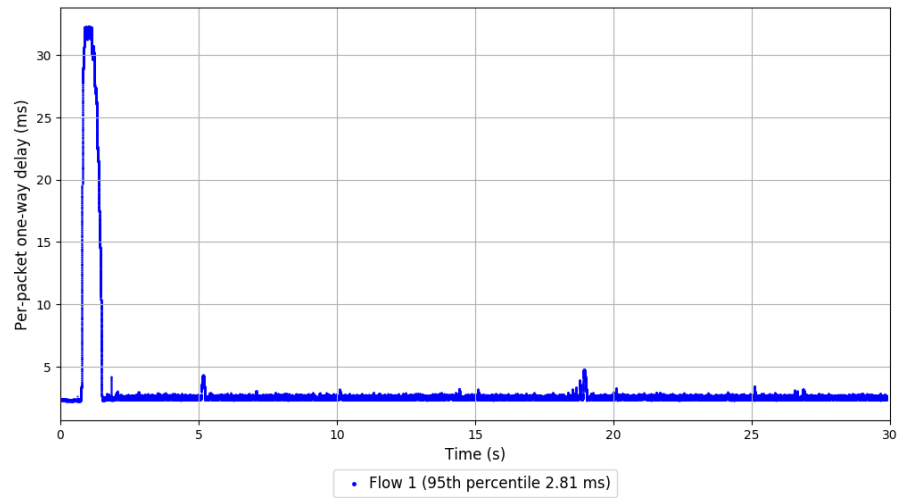

Flow 1 (95th percentile 2.93 ms)

```
Run 5: Statistics of Vivace-LTE

Start at: 2018-02-13 02:29:00
End at: 2018-02-13 02:29:30
Local clock offset: -4.707 ms
Remote clock offset: -4.769 ms

# Below is generated by plot.py at 2018-02-13 05:21:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 2.806 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 2.806 ms
Loss rate: 0.04%
```

Run 5: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 92.95 Mbit/s)   Flow 1 egress (mean 92.92 Mbit/s)
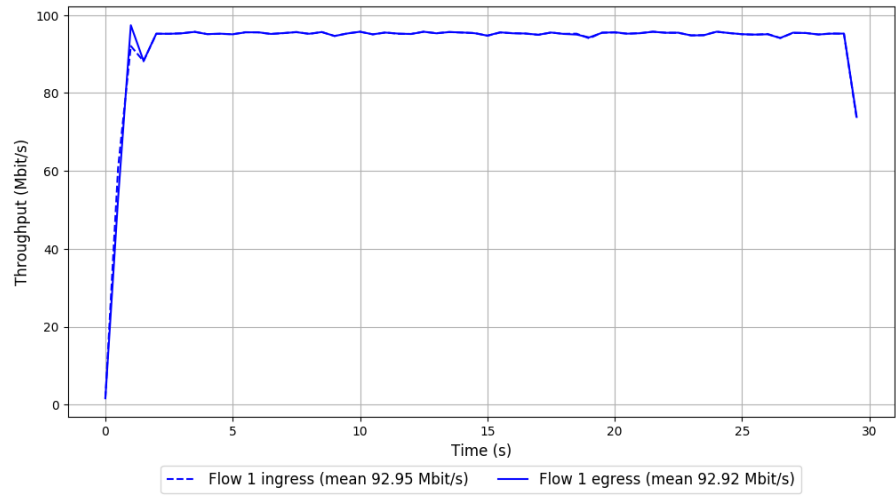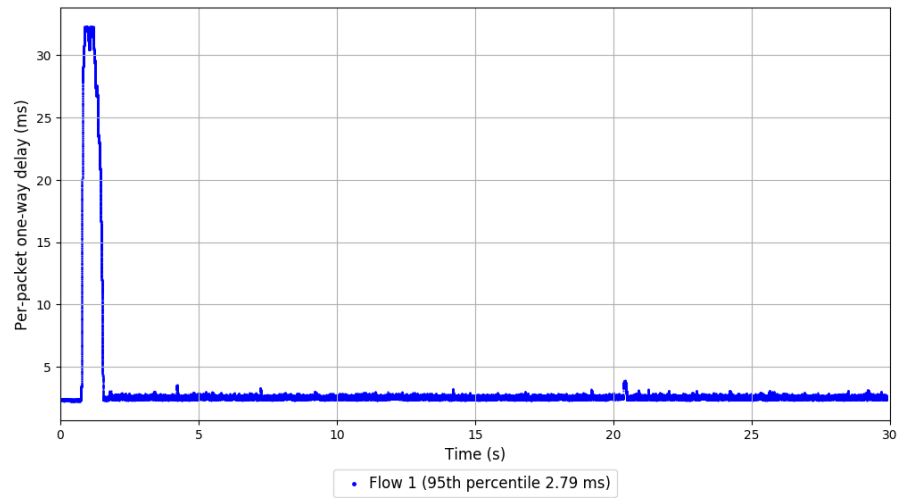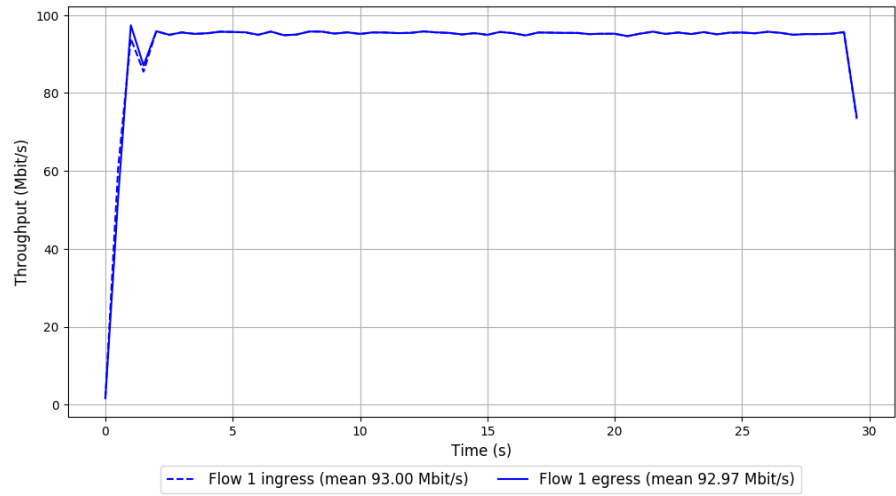

Flow 1 (95th percentile 2.81 ms)

```
Run 6: Statistics of Vivace-LTE

Start at: 2018-02-13 02:49:15
End at: 2018-02-13 02:49:45
Local clock offset: -4.582 ms
Remote clock offset: -4.722 ms


# Below is generated by plot.py at 2018-02-13 05:21:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 2.789 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 2.789 ms
Loss rate: 0.04%
```

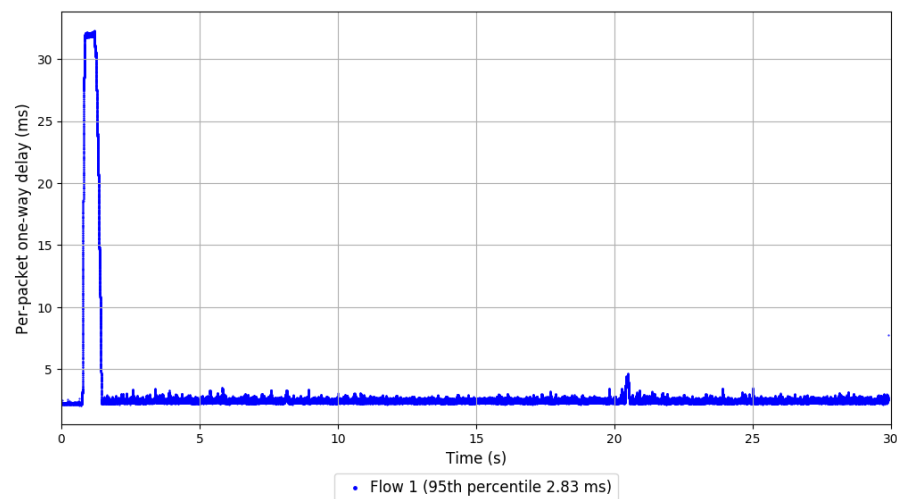# Run 6: Report of Vivace-LTE — Data Link

```
Run 7: Statistics of Vivace-LTE

Start at: 2018-02-13 03:09:32
End at: 2018-02-13 03:10:02
Local clock offset: -4.944 ms
Remote clock offset: -5.044 ms


# Below is generated by plot.py at 2018-02-13 05:21:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 2.834 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 2.834 ms
Loss rate: 0.06%
```

Run 7: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 92.33 Mbit/s)   Flow 1 egress (mean 92.26 Mbit/s)
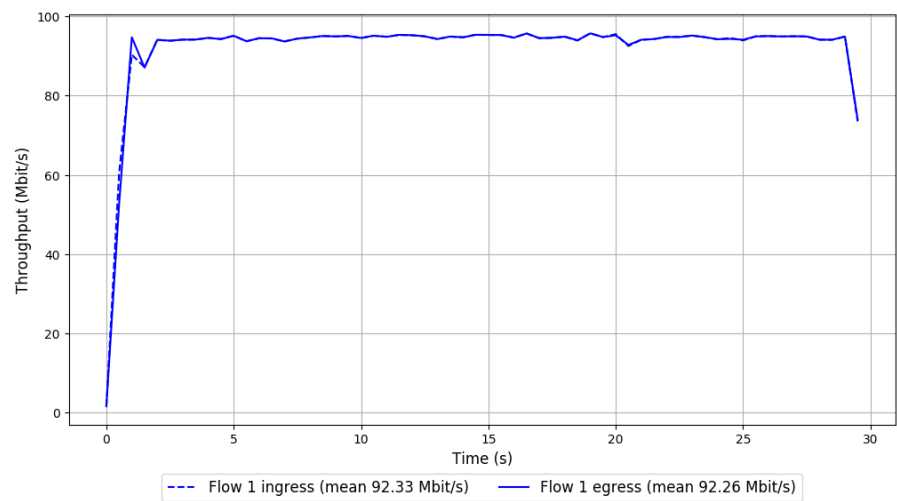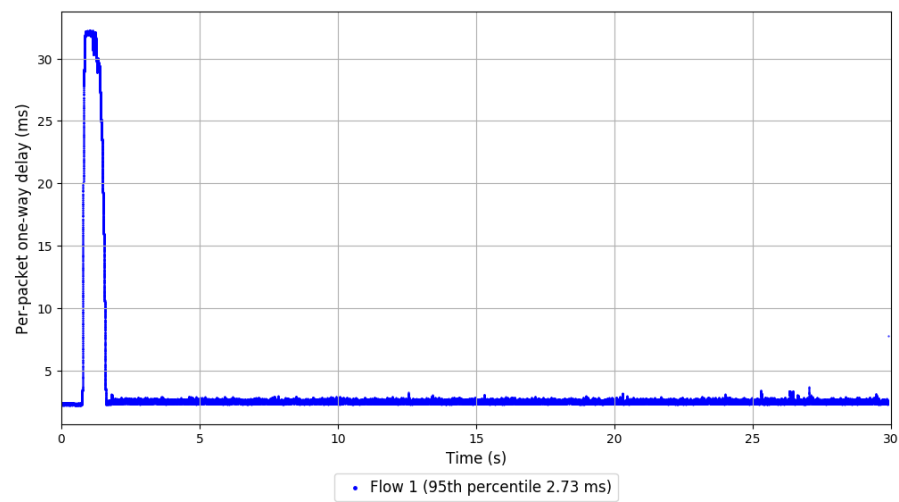

Flow 1 (95th percentile 2.83 ms)

```
Run 8: Statistics of Vivace-LTE

Start at: 2018-02-13 03:29:51
End at: 2018-02-13 03:30:21
Local clock offset: -5.51 ms
Remote clock offset: -5.017 ms


# Below is generated by plot.py at 2018-02-13 05:21:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 2.725 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 2.725 ms
Loss rate: 0.05%
```

Run 8: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.19 Mbit/s)   Flow 1 egress (mean 93.13 Mbit/s)
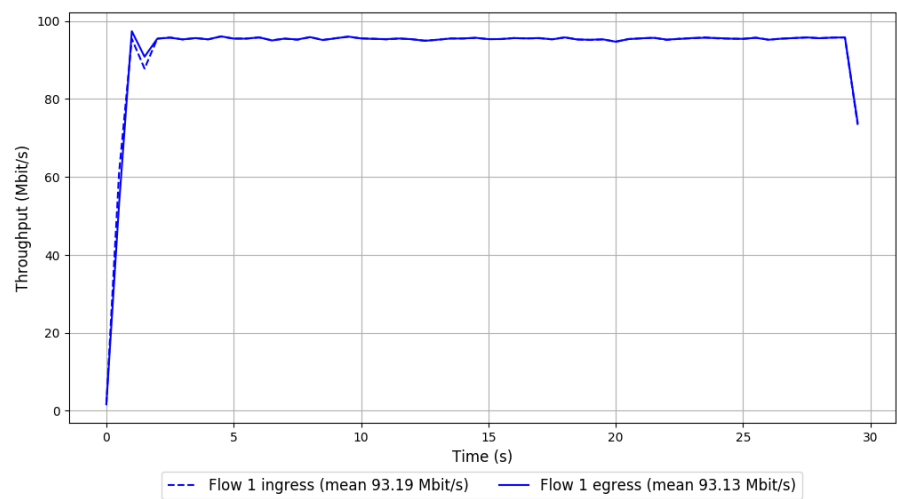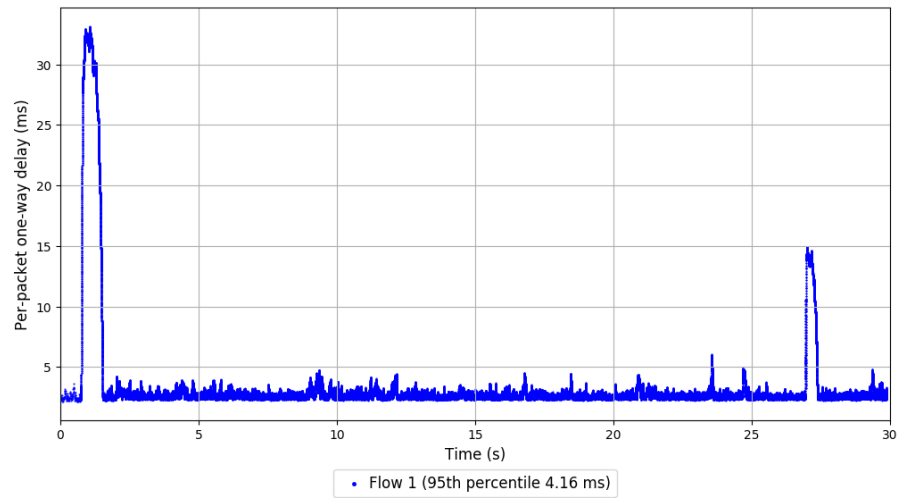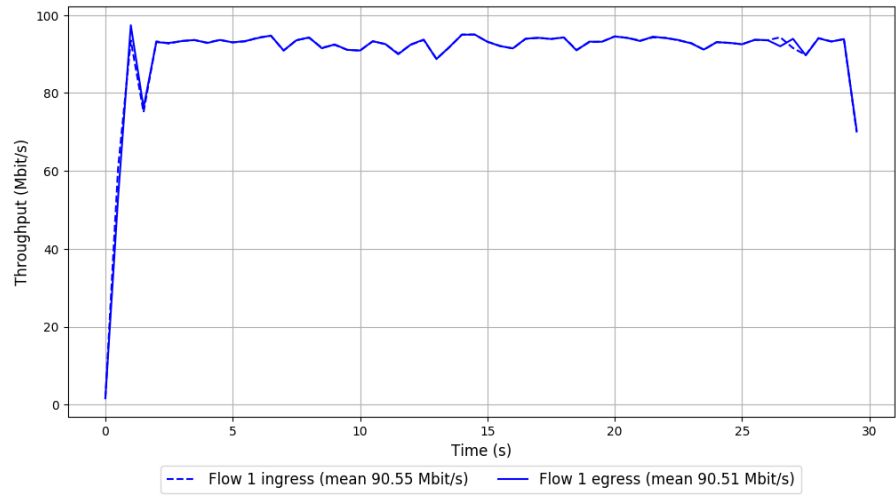

Flow 1 (95th percentile 2.73 ms)

```
Run 9: Statistics of Vivace-LTE

Start at: 2018-02-13 03:50:14
End at: 2018-02-13 03:50:44
Local clock offset: -5.498 ms
Remote clock offset: -4.864 ms


# Below is generated by plot.py at 2018-02-13 05:21:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 4.162 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 4.162 ms
Loss rate: 0.04%
```

Run 9: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 90.55 Mbit/s) --- Flow 1 egress (mean 90.51 Mbit/s)

Flow 1 (95th percentile 4.16 ms)

```
Run 10: Statistics of Vivace-LTE

Start at: 2018-02-13 04:10:35
End at: 2018-02-13 04:11:05
Local clock offset: -5.691 ms
Remote clock offset: -4.982 ms


# Below is generated by plot.py at 2018-02-13 05:21:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 2.874 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 2.874 ms
Loss rate: 0.04%
```

Run 10: Report of Vivace-LTE — Data Link

Flow 1 ingress (mean 93.16 Mbit/s) — — — Flow 1 egress (mean 93.12 Mbit/s)

Flow 1 (95th percentile 2.87 ms)