Pantheon Report

Generated at 2018-01-09 02:49:42 (UTC).

Data path: AWS California 2 Ethernet (*local*) →Mexico Ethernet (*remote*).

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

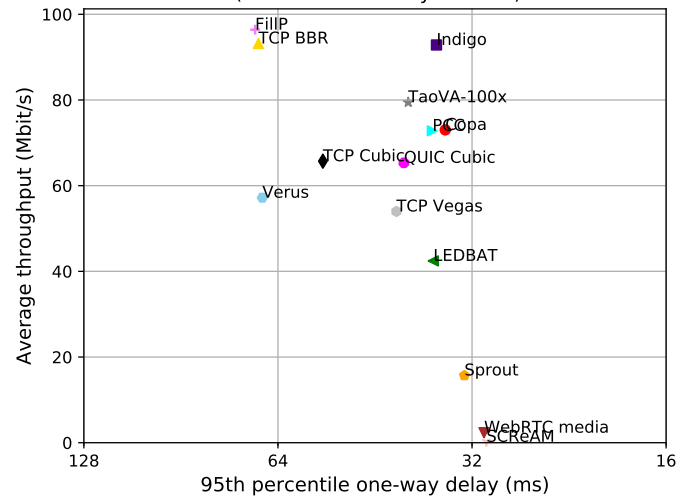Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 56d1792c316a5efca3f2d21342905405fedffb48
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```
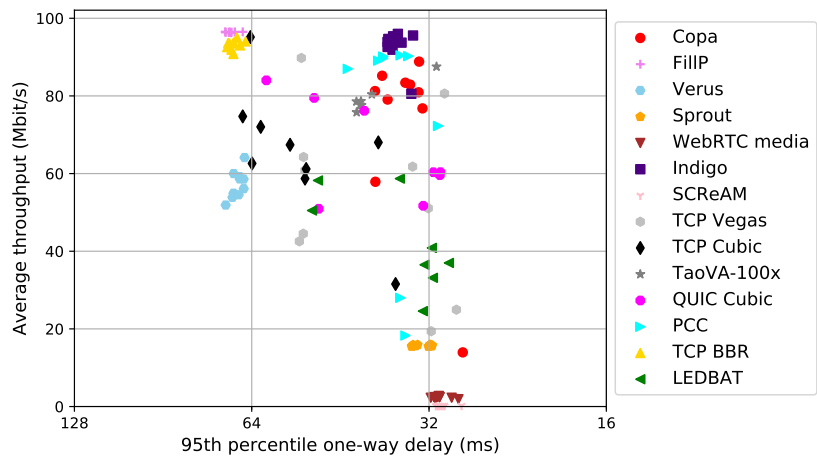
test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from AWS California 2 Ethernet to Mexico 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	93.18	68.62	22.53
TCP Cubic	9	65.71	54.51	0.34
LEDBAT	8	42.44	36.75	0.08
PCC	9	72.79	36.87	0.64
QUIC Cubic	8	65.33	40.82	0.30
SCReAM	10	0.22	30.40	0.01
WebRTC media	10	2.34	30.66	0.02
Sprout	10	15.70	32.88	0.11
TaoVA-100x	7	79.47	40.19	0.10
TCP Vegas	10	53.98	41.92	0.19
Verus	10	57.19	67.67	41.64
Copa	10	73.02	35.21	0.14
FillP	10	96.41	69.44	26.30
Indigo	10	92.84	36.33	0.18

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-08 22:22:37
End at: 2018-01-08 22:23:07
Local clock offset: 1.466 ms
Remote clock offset: -1.135 ms


# Below is generated by plot.py at 2018-01-09 02:19:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 68.753 ms
Loss rate: 23.40%
-- Flow 1:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 68.753 ms
Loss rate: 23.40%
```
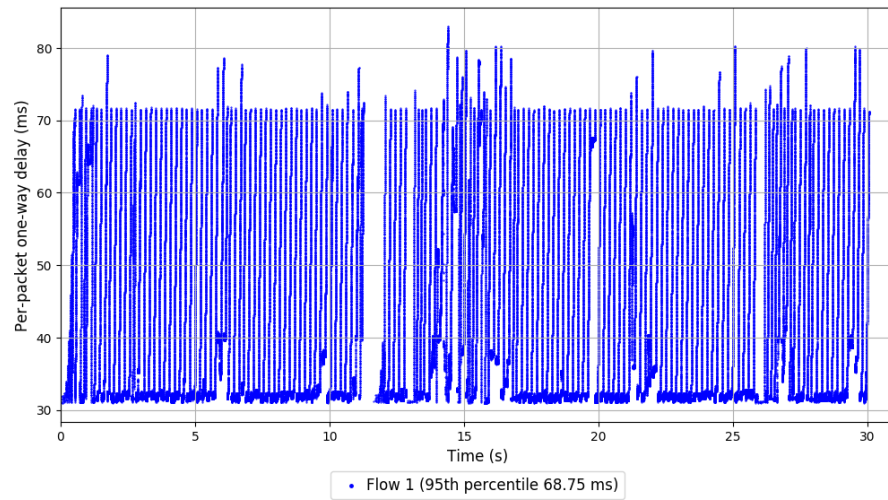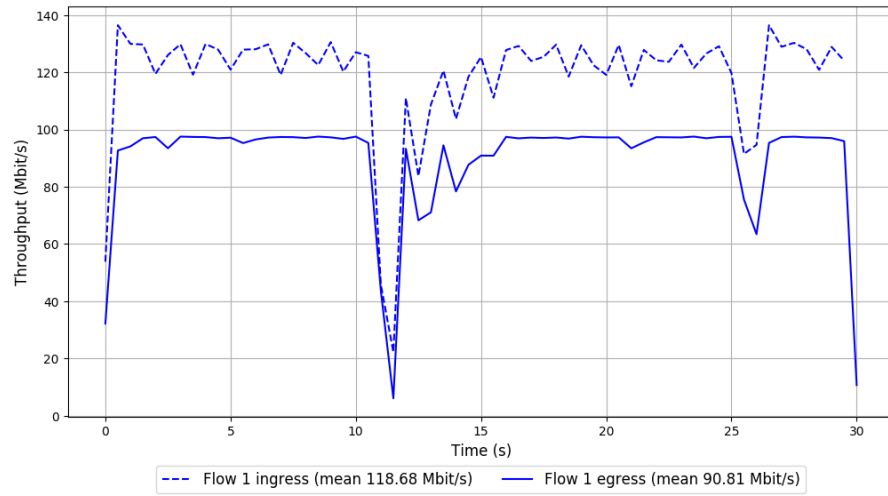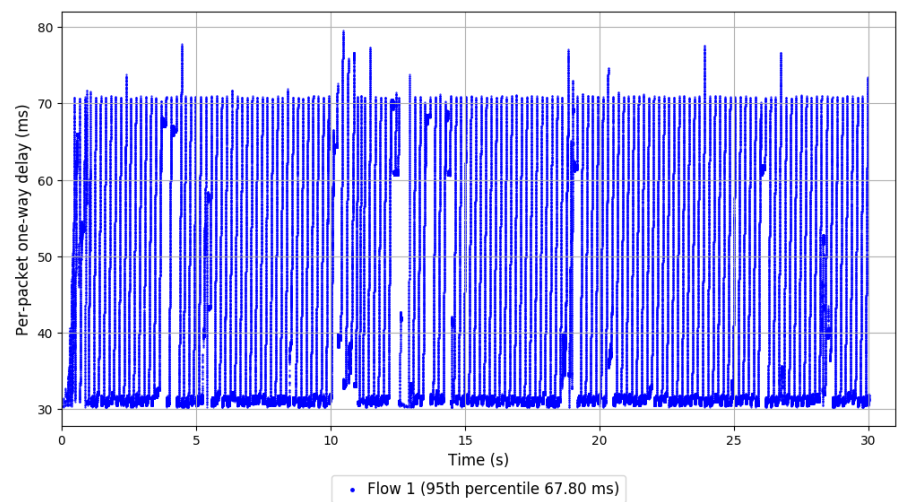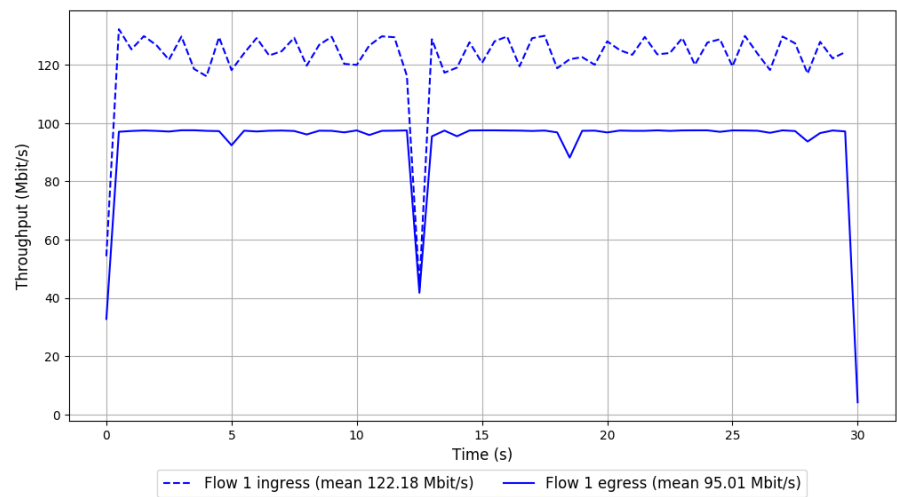
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 118.68 Mbit/s) --- Flow 1 egress (mean 90.81 Mbit/s)

• Flow 1 (95th percentile 68.75 ms)

5

```
Run 2: Statistics of TCP BBR

Start at: 2018-01-08 22:42:43
End at: 2018-01-08 22:43:13
Local clock offset: 1.588 ms
Remote clock offset: -0.886 ms


# Below is generated by plot.py at 2018-01-09 02:19:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 67.802 ms
Loss rate: 22.23%
-- Flow 1:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 67.802 ms
Loss rate: 22.23%
```

Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2018-01-08 23:02:47
End at: 2018-01-08 23:03:17
Local clock offset: 1.217 ms
Remote clock offset: -2.01 ms


# Below is generated by plot.py at 2018-01-09 02:19:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 69.795 ms
Loss rate: 22.85%
-- Flow 1:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 69.795 ms
Loss rate: 22.85%
```
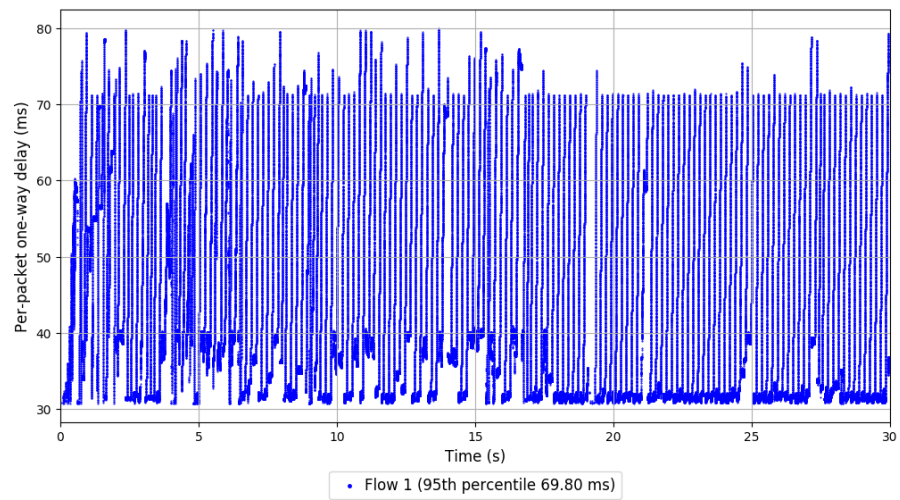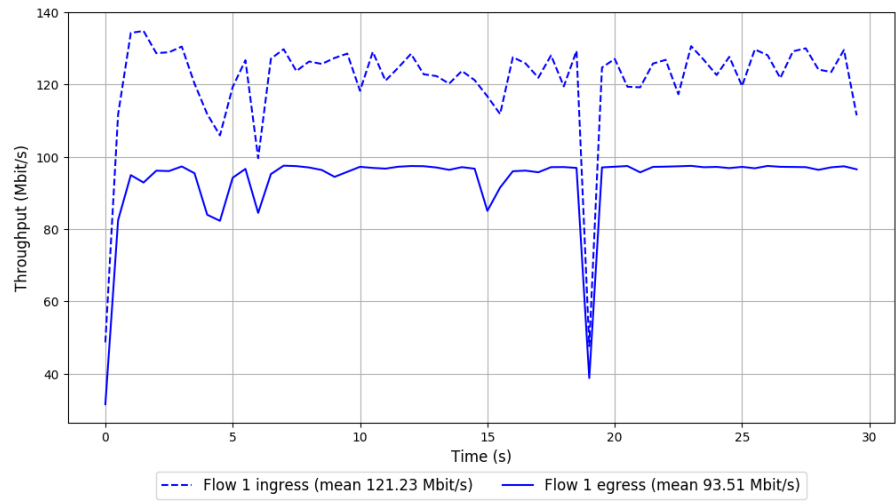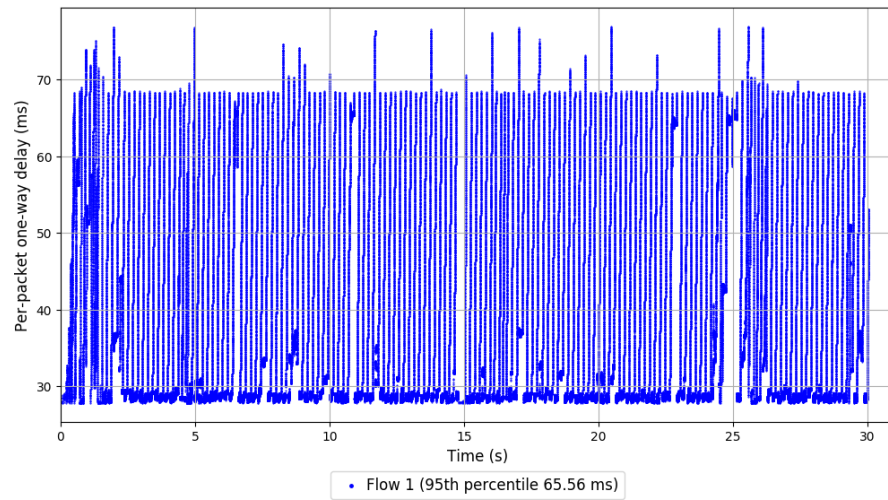
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 121.23 Mbit/s) ----   Flow 1 egress (mean 93.51 Mbit/s) ——
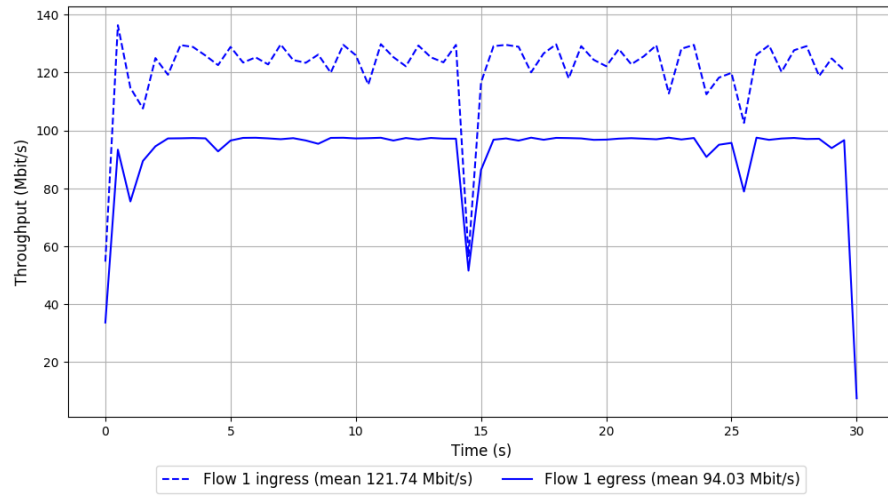

Flow 1 (95th percentile 69.80 ms)

9

```
Run 4: Statistics of TCP BBR

Start at: 2018-01-08 23:22:56
End at: 2018-01-08 23:23:26
Local clock offset: 1.153 ms
Remote clock offset: -5.044 ms


# Below is generated by plot.py at 2018-01-09 02:19:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 65.561 ms
Loss rate: 22.71%
-- Flow 1:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 65.561 ms
Loss rate: 22.71%
```
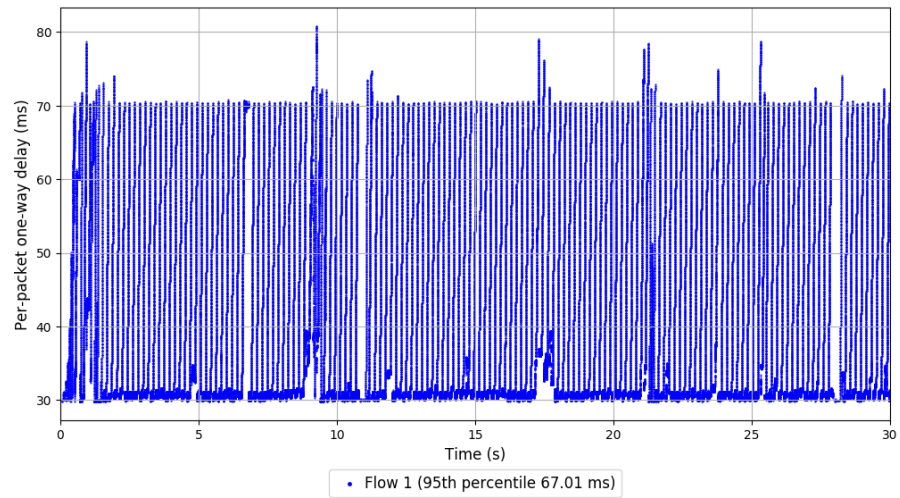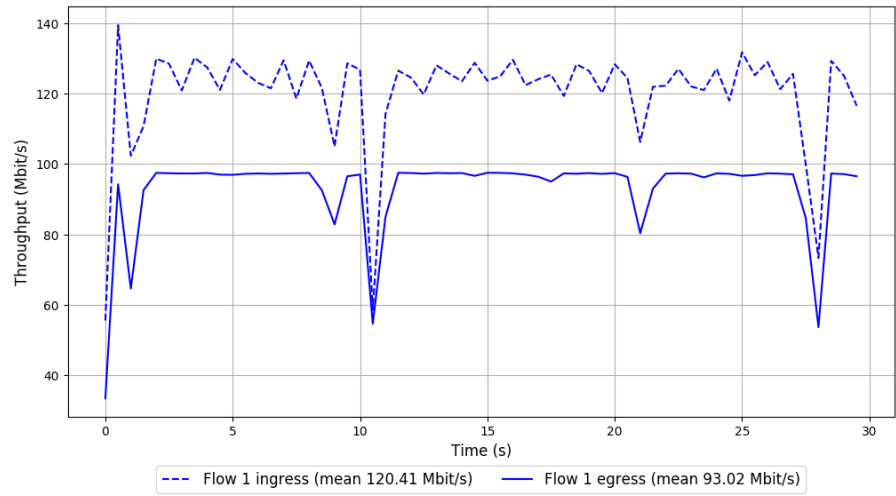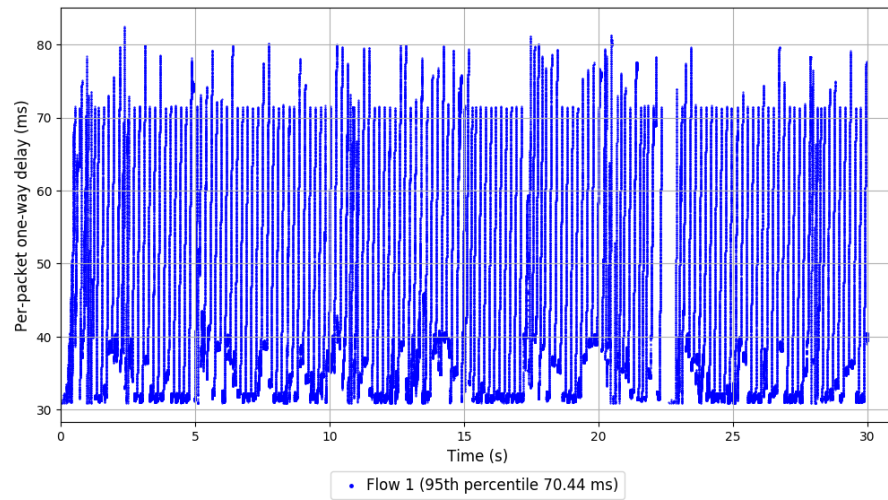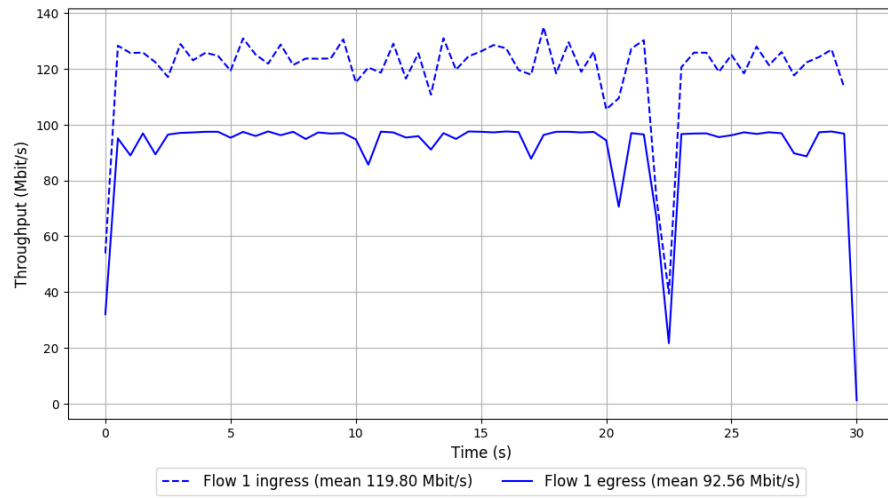
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 121.74 Mbit/s)   Flow 1 egress (mean 94.03 Mbit/s)

• Flow 1 (95th percentile 65.56 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-01-08 23:42:58
End at: 2018-01-08 23:43:28
Local clock offset: 1.148 ms
Remote clock offset: -3.065 ms

# Below is generated by plot.py at 2018-01-09 02:19:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 67.013 ms
Loss rate: 22.75%
-- Flow 1:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 67.013 ms
Loss rate: 22.75%
```
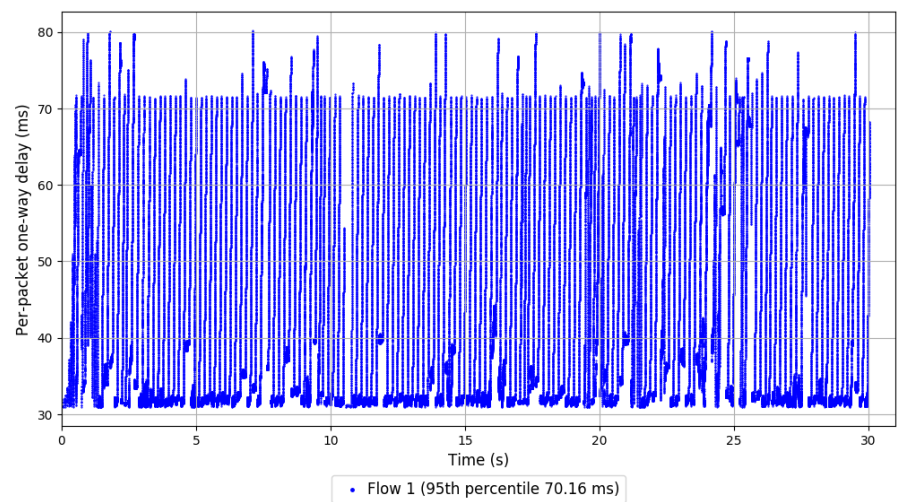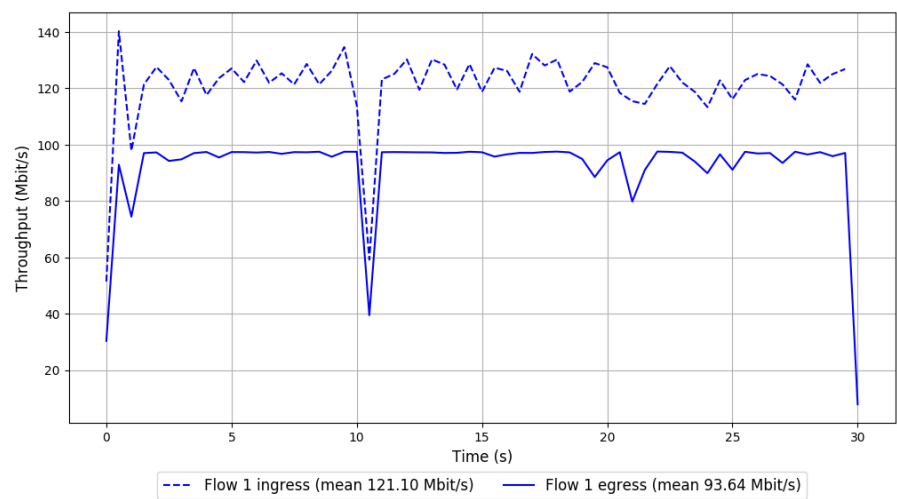
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 120.41 Mbit/s) — — —   Flow 1 egress (mean 93.02 Mbit/s) ———

• Flow 1 (95th percentile 67.01 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-01-09 00:03:25
End at: 2018-01-09 00:03:55
Local clock offset: 1.325 ms
Remote clock offset: -2.318 ms


# Below is generated by plot.py at 2018-01-09 02:19:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 70.435 ms
Loss rate: 22.71%
-- Flow 1:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 70.435 ms
Loss rate: 22.71%
```

Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 119.80 Mbit/s)   Flow 1 egress (mean 92.56 Mbit/s)

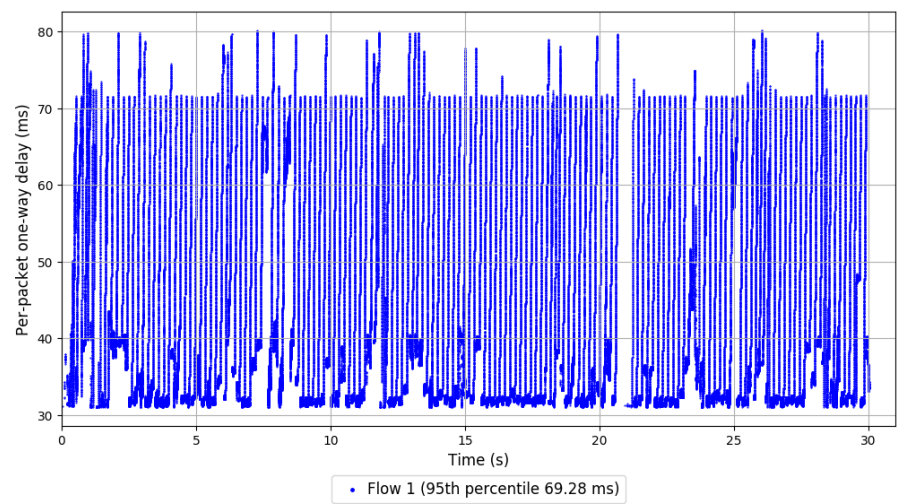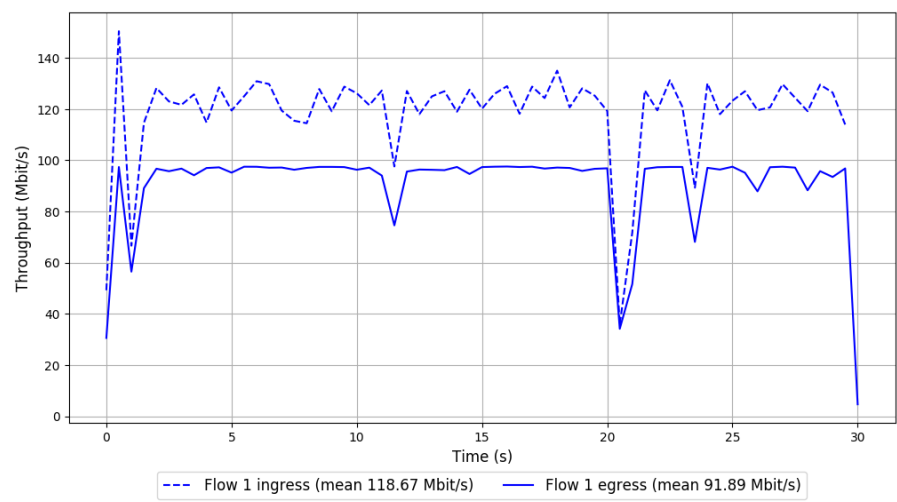Flow 1 (95th percentile 70.44 ms)

15

```
Run 7: Statistics of TCP BBR

Start at: 2018-01-09 00:24:28
End at: 2018-01-09 00:24:58
Local clock offset: 1.48 ms
Remote clock offset: -2.476 ms


# Below is generated by plot.py at 2018-01-09 02:19:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 70.164 ms
Loss rate: 22.63%
-- Flow 1:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 70.164 ms
Loss rate: 22.63%
```
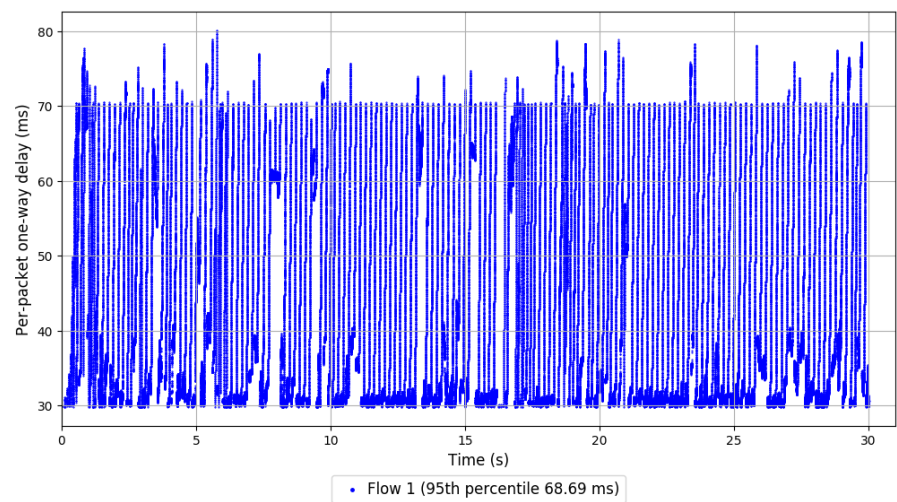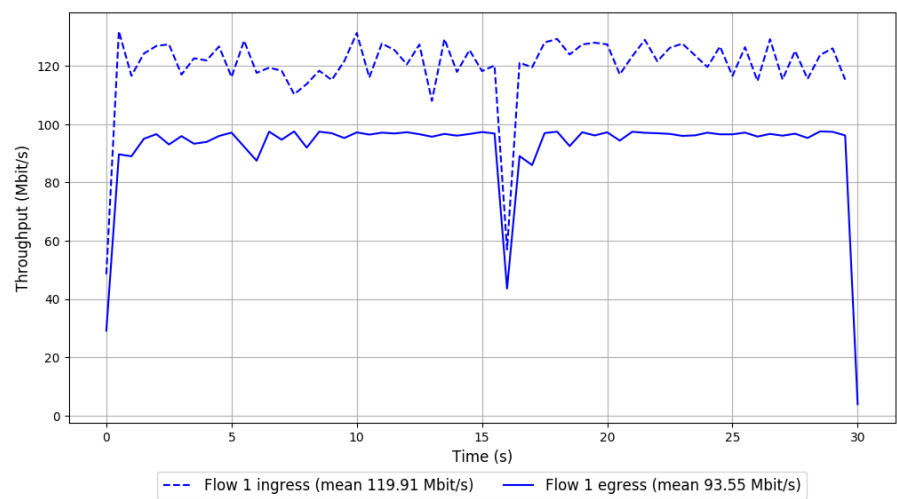
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 121.10 Mbit/s) ---- Flow 1 egress (mean 93.64 Mbit/s) ——

• Flow 1 (95th percentile 70.16 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2018-01-09 00:45:37
End at: 2018-01-09 00:46:07
Local clock offset: 1.486 ms
Remote clock offset: -3.098 ms


# Below is generated by plot.py at 2018-01-09 02:19:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 69.281 ms
Loss rate: 22.56%
-- Flow 1:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 69.281 ms
Loss rate: 22.56%
```

Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 118.67 Mbit/s) --- Flow 1 egress (mean 91.89 Mbit/s)

• Flow 1 (95th percentile 69.28 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-01-09 01:06:37
End at: 2018-01-09 01:07:07
Local clock offset: 1.371 ms
Remote clock offset: -3.077 ms


# Below is generated by plot.py at 2018-01-09 02:22:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 68.692 ms
Loss rate: 21.98%
-- Flow 1:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 68.692 ms
Loss rate: 21.98%
```
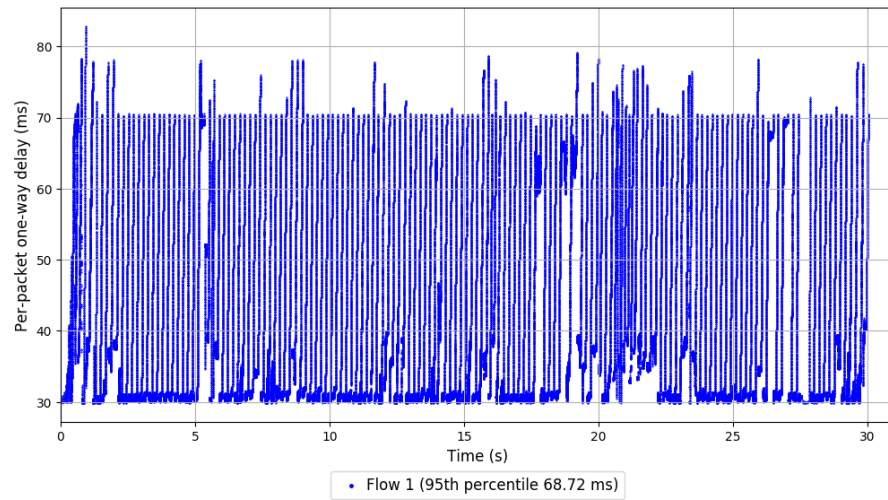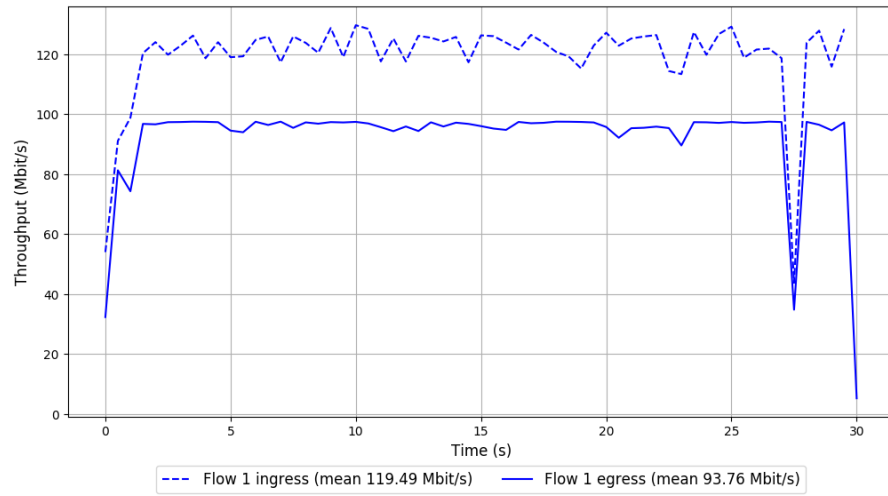
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 119.91 Mbit/s) --- Flow 1 egress (mean 93.55 Mbit/s)

Flow 1 (95th percentile 68.69 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-01-09 01:29:00
End at: 2018-01-09 01:29:30
Local clock offset: 1.347 ms
Remote clock offset: -1.704 ms


# Below is generated by plot.py at 2018-01-09 02:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 68.722 ms
Loss rate: 21.51%
-- Flow 1:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 68.722 ms
Loss rate: 21.51%
```

Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 119.49 Mbit/s) --- Flow 1 egress (mean 93.76 Mbit/s)

Flow 1 (95th percentile 68.72 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-08 22:13:28
End at: 2018-01-08 22:13:58
Local clock offset: 1.795 ms
Remote clock offset: -1.872 ms
```
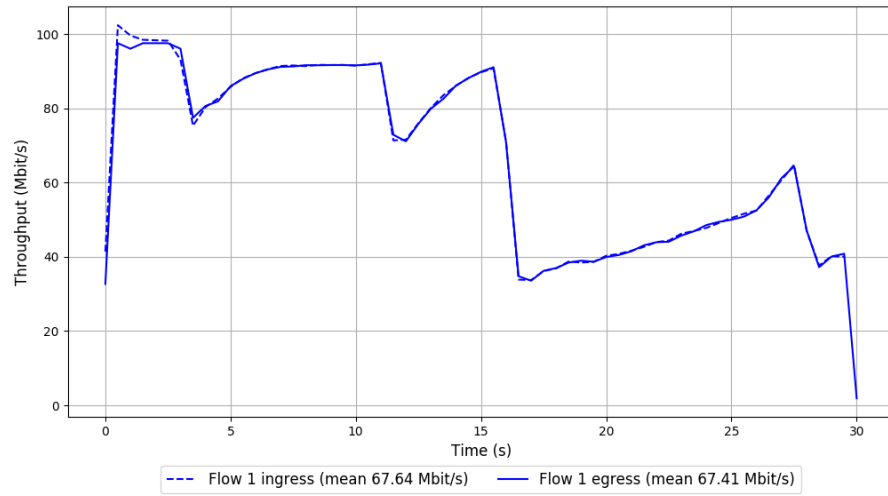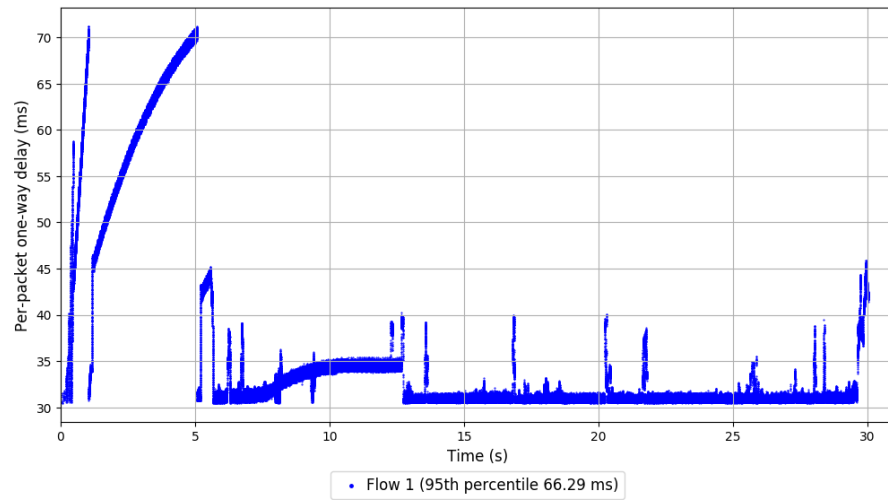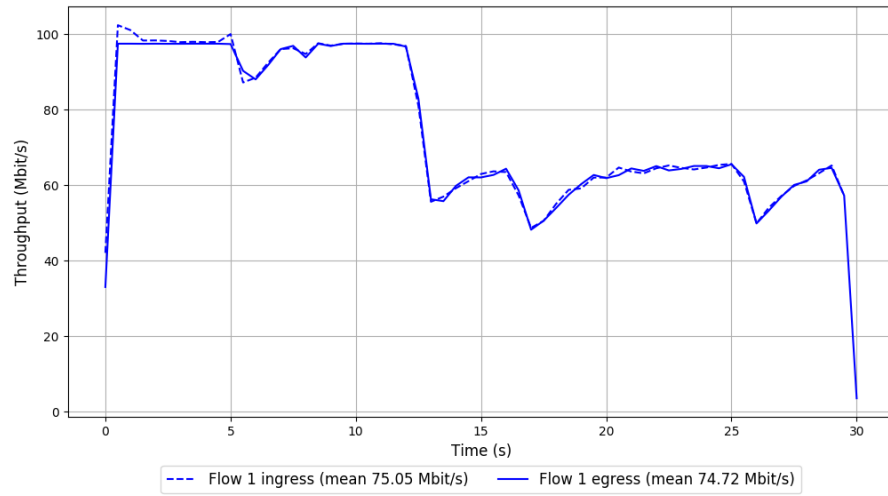
Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 34.29 Mbit/s)
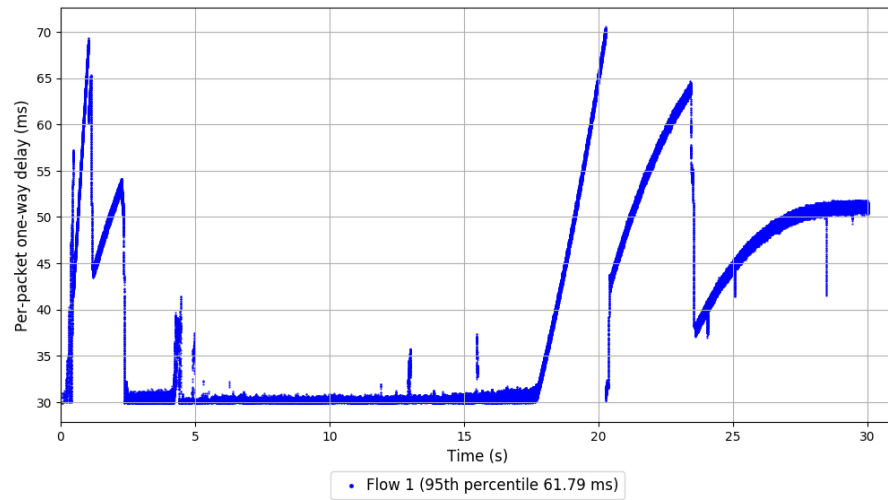

• Flow 1 (95th percentile 16542.29 ms)

```
Run 2: Statistics of TCP Cubic

Start at: 2018-01-08 22:33:31
End at: 2018-01-08 22:34:01
Local clock offset: 1.54 ms
Remote clock offset: -3.493 ms


# Below is generated by plot.py at 2018-01-09 02:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.41 Mbit/s
95th percentile per-packet one-way delay: 55.091 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 67.41 Mbit/s
95th percentile per-packet one-way delay: 55.091 ms
Loss rate: 0.34%
```
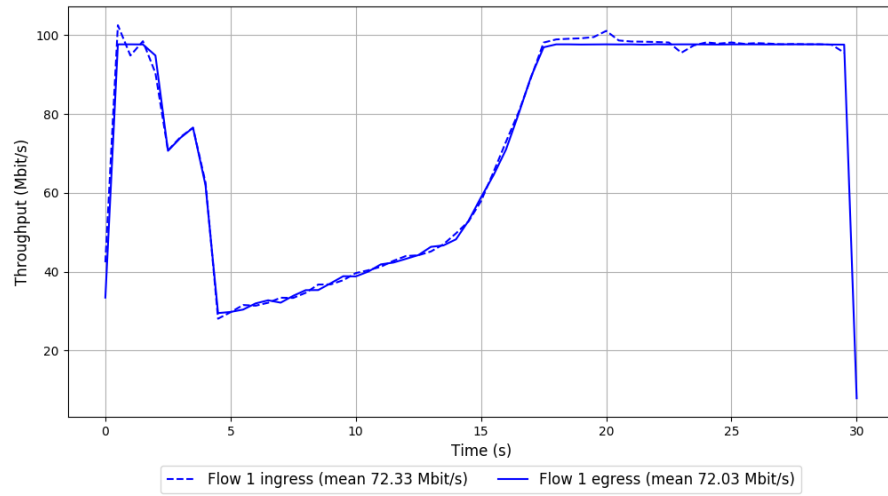
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2018-01-08 22:53:33
End at: 2018-01-08 22:54:03
Local clock offset: 1.298 ms
Remote clock offset: -1.047 ms


# Below is generated by plot.py at 2018-01-09 02:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 66.293 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 66.293 ms
Loss rate: 0.40%
```
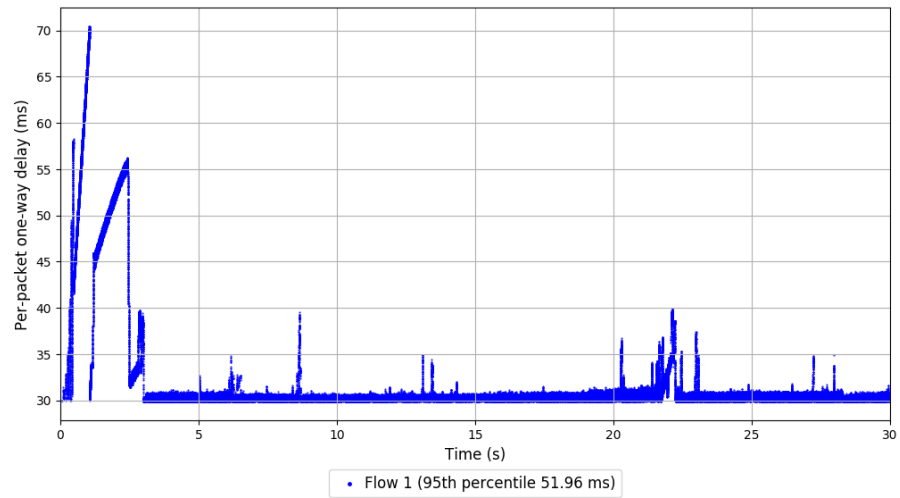
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 75.05 Mbit/s) --- Flow 1 egress (mean 74.72 Mbit/s)

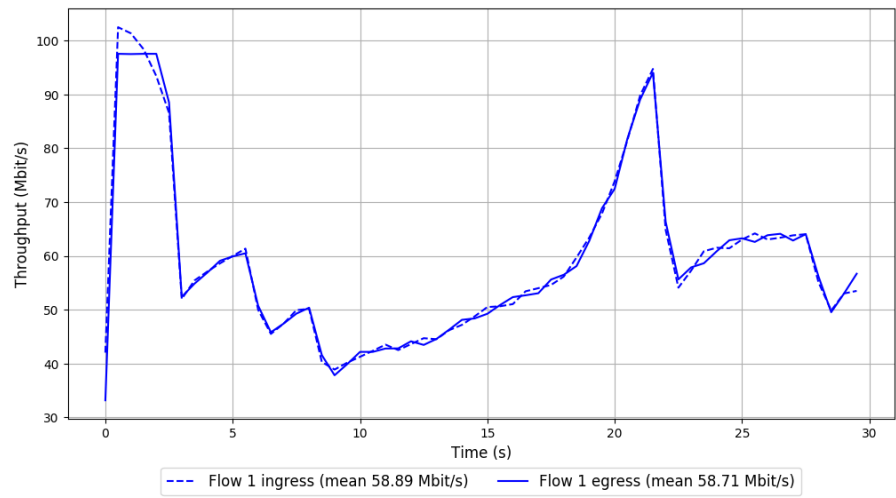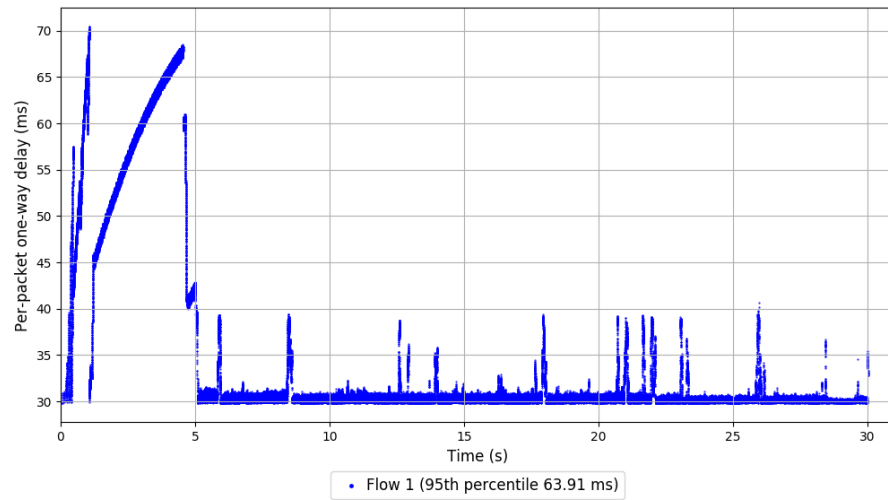Flow 1 (95th percentile 66.29 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-01-08 23:13:43
End at: 2018-01-08 23:14:13
Local clock offset: 1.194 ms
Remote clock offset: -2.744 ms


# Below is generated by plot.py at 2018-01-09 02:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 61.790 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 61.790 ms
Loss rate: 0.35%
```

Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 72.33 Mbit/s)   Flow 1 egress (mean 72.03 Mbit/s)

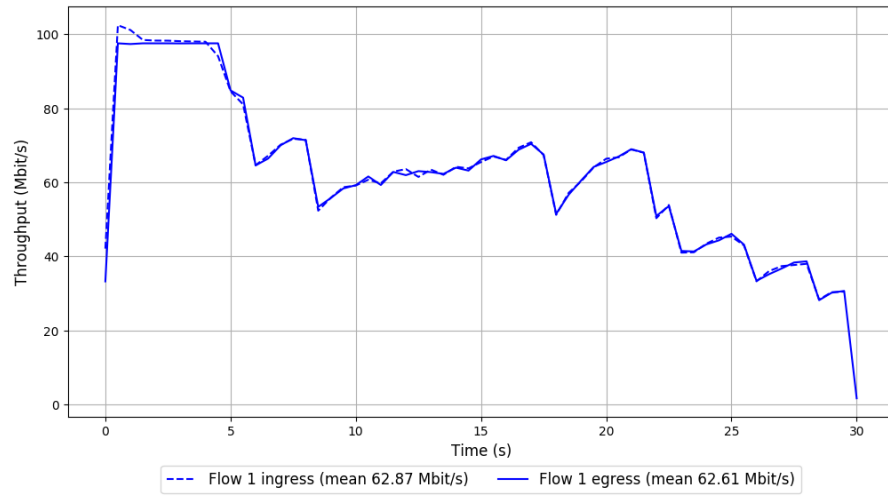Flow 1 (95th percentile 61.79 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-01-08 23:33:44
End at: 2018-01-08 23:34:14
Local clock offset: 1.202 ms
Remote clock offset: -2.925 ms


# Below is generated by plot.py at 2018-01-09 02:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 51.962 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 51.962 ms
Loss rate: 0.31%
```
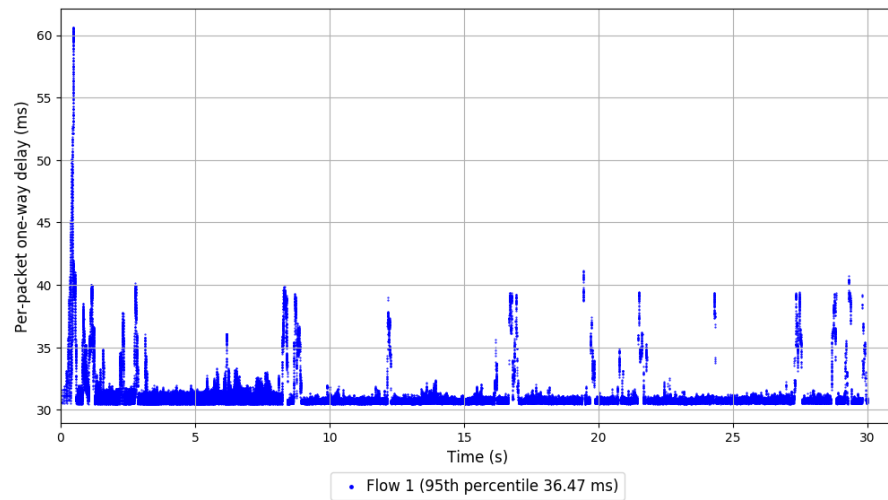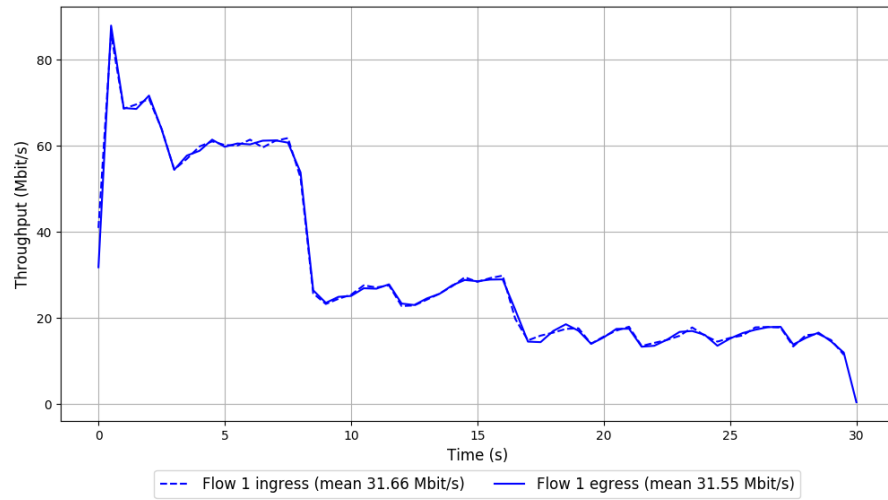
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2018-01-08 23:53:58
End at: 2018-01-08 23:54:28
Local clock offset: 1.209 ms
Remote clock offset: -2.923 ms


# Below is generated by plot.py at 2018-01-09 02:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 63.915 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 63.915 ms
Loss rate: 0.40%
```
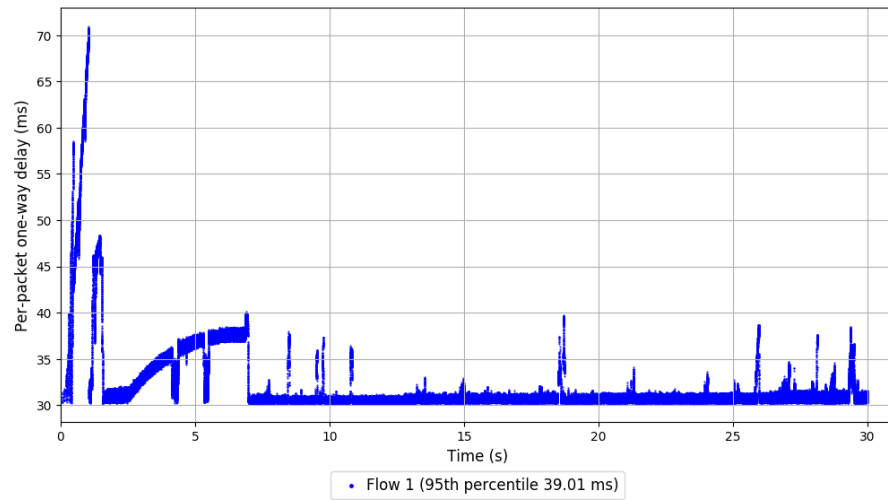
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 62.87 Mbit/s) — — —   Flow 1 egress (mean 62.61 Mbit/s)
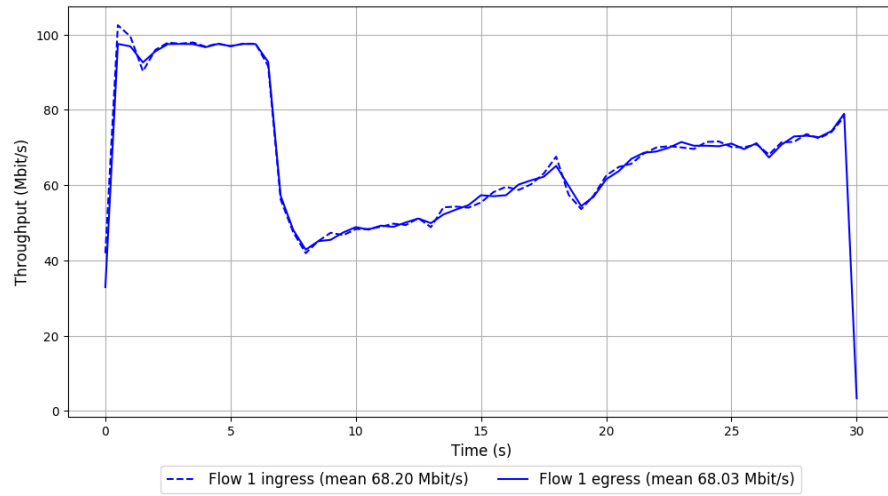

Flow 1 (95th percentile 63.91 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-01-09 00:14:58
End at: 2018-01-09 00:15:28
Local clock offset: 1.381 ms
Remote clock offset: -2.739 ms


# Below is generated by plot.py at 2018-01-09 02:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 36.473 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 36.473 ms
Loss rate: 0.34%
```
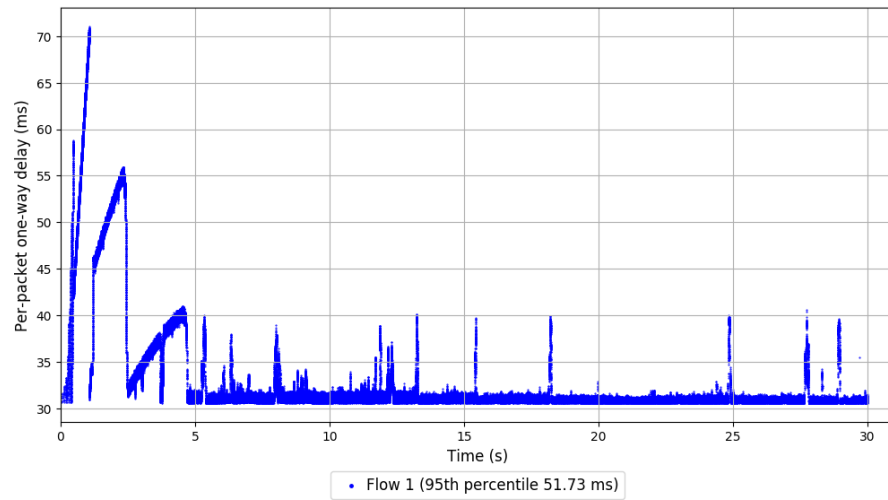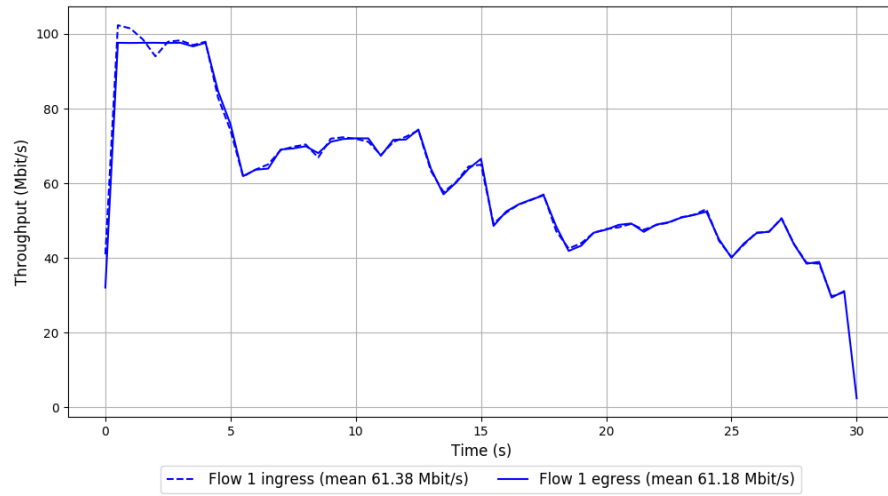
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 31.66 Mbit/s) --- Flow 1 egress (mean 31.55 Mbit/s)

Flow 1 (95th percentile 36.47 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-01-09 00:35:59
End at: 2018-01-09 00:36:29
Local clock offset: 1.615 ms
Remote clock offset: -2.889 ms


# Below is generated by plot.py at 2018-01-09 02:22:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 39.013 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 39.013 ms
Loss rate: 0.25%
```
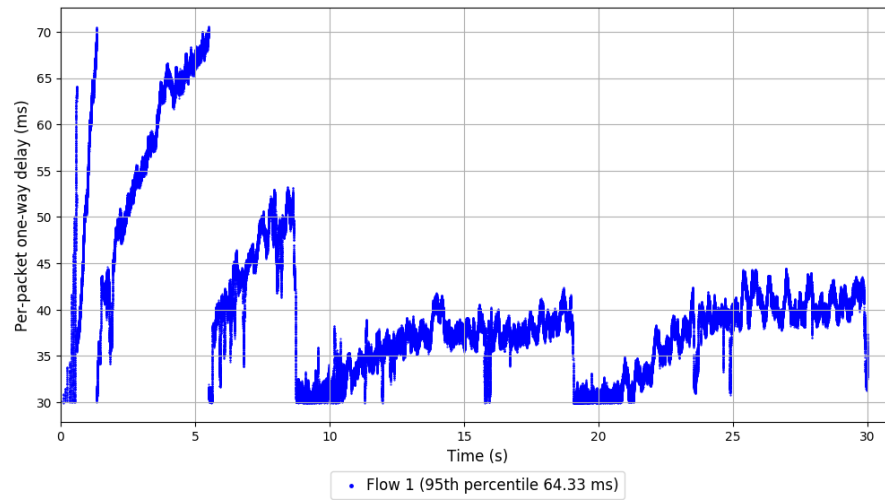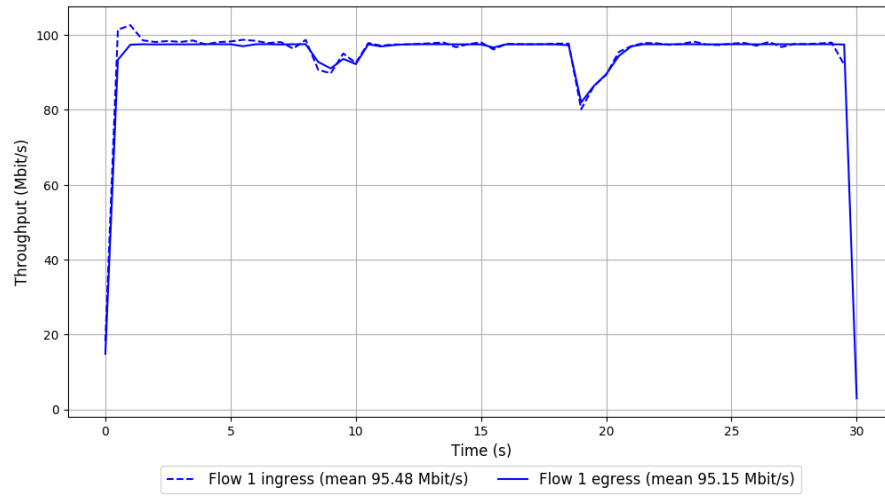
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 68.20 Mbit/s)   Flow 1 egress (mean 68.03 Mbit/s)

Flow 1 (95th percentile 39.01 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-01-09 00:57:09
End at: 2018-01-09 00:57:39
Local clock offset: 1.427 ms
Remote clock offset: -3.367 ms


# Below is generated by plot.py at 2018-01-09 02:22:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 51.735 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 51.735 ms
Loss rate: 0.31%
```

Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 61.38 Mbit/s) --- Flow 1 egress (mean 61.18 Mbit/s)

Flow 1 (95th percentile 51.73 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-01-09 01:19:11
End at: 2018-01-09 01:19:41
Local clock offset: 1.309 ms
Remote clock offset: -2.255 ms


# Below is generated by plot.py at 2018-01-09 02:24:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 64.327 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 64.327 ms
Loss rate: 0.32%
```
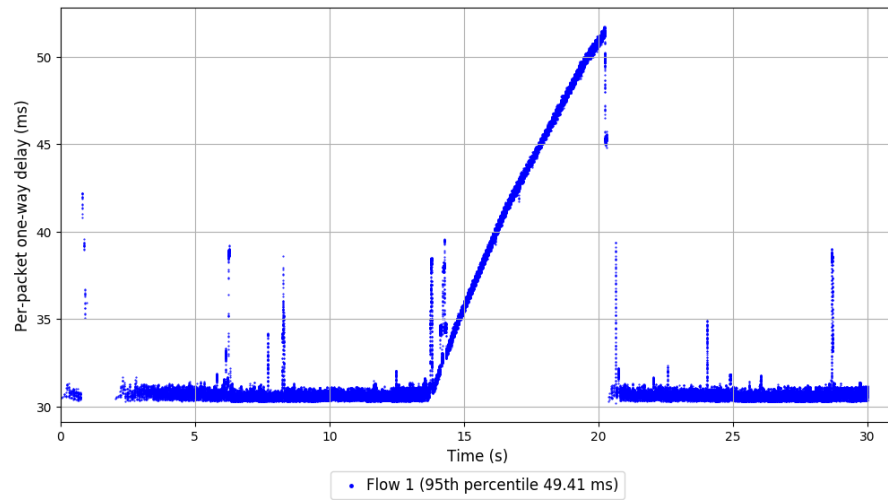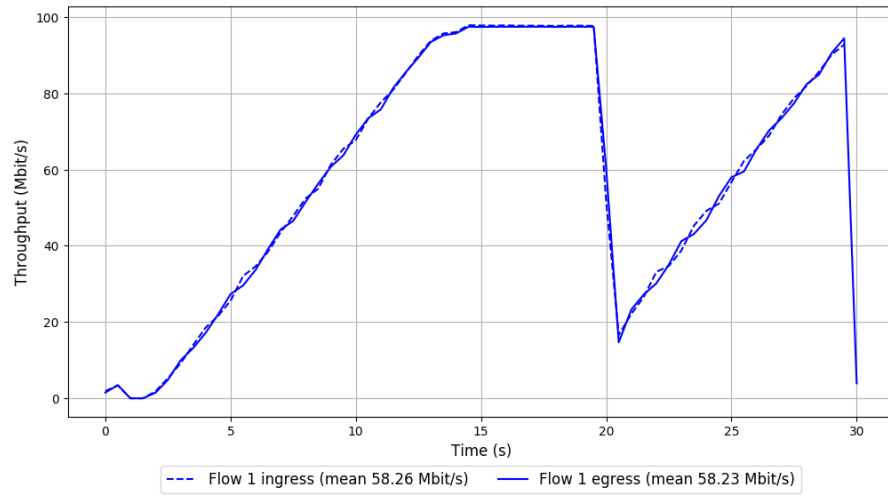
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 95.48 Mbit/s) --- Flow 1 egress (mean 95.15 Mbit/s)

• Flow 1 (95th percentile 64.33 ms)

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```
Run 1: Statistics of LEDBAT

Start at: 2018-01-08 22:25:29
End at: 2018-01-08 22:25:59
Local clock offset: 1.538 ms
Remote clock offset: -3.552 ms
```

Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2018-01-08 22:45:27
End at: 2018-01-08 22:45:57
Local clock offset: 1.545 ms
Remote clock offset: -0.89 ms


# Below is generated by plot.py at 2018-01-09 02:24:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 49.407 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 49.407 ms
Loss rate: 0.04%
```
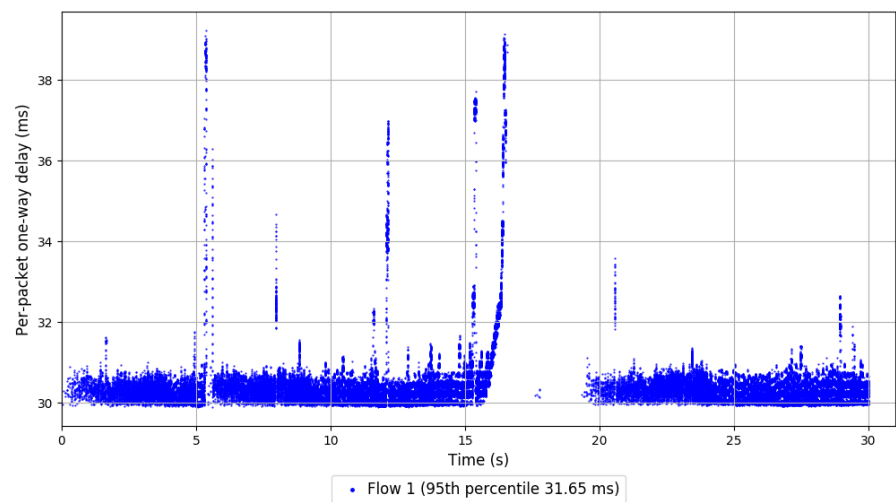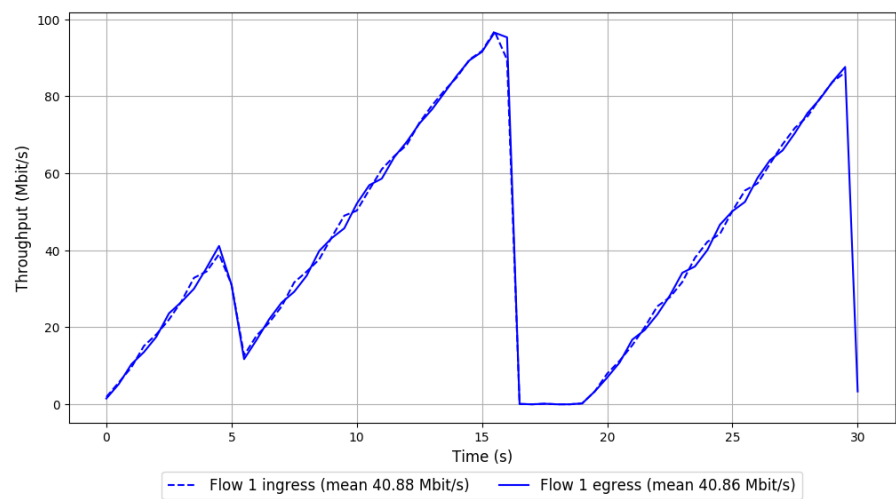
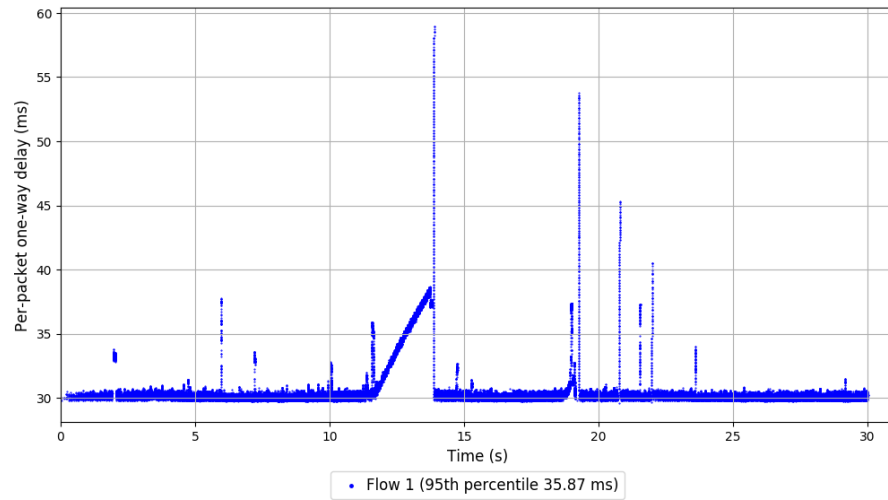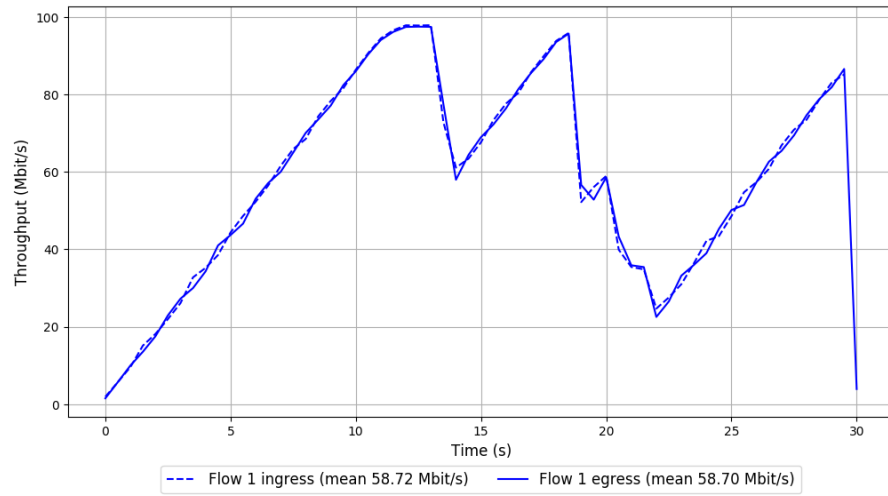Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2018-01-08 23:05:34
End at: 2018-01-08 23:06:04
Local clock offset: 1.201 ms
Remote clock offset: -2.3 ms


# Below is generated by plot.py at 2018-01-09 02:24:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 31.654 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 31.654 ms
Loss rate: 0.03%
```
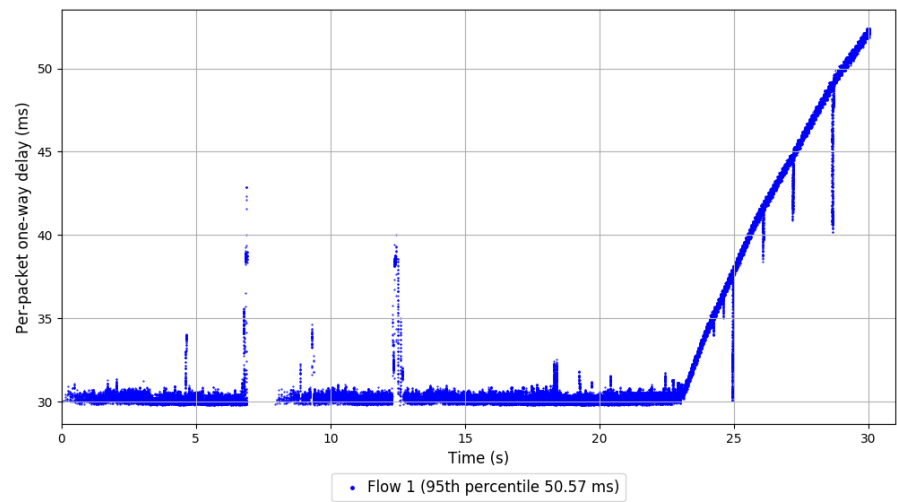
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 40.88 Mbit/s) ---- Flow 1 egress (mean 40.86 Mbit/s)

Flow 1 (95th percentile 31.65 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-01-08 23:25:40
End at: 2018-01-08 23:26:10
Local clock offset: 1.204 ms
Remote clock offset: -3.045 ms


# Below is generated by plot.py at 2018-01-09 02:24:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 35.872 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 35.872 ms
Loss rate: 0.03%
```
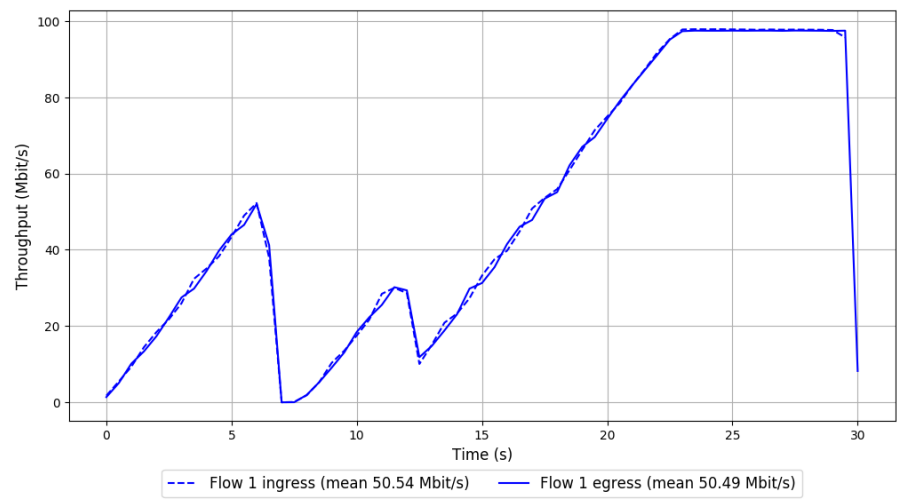
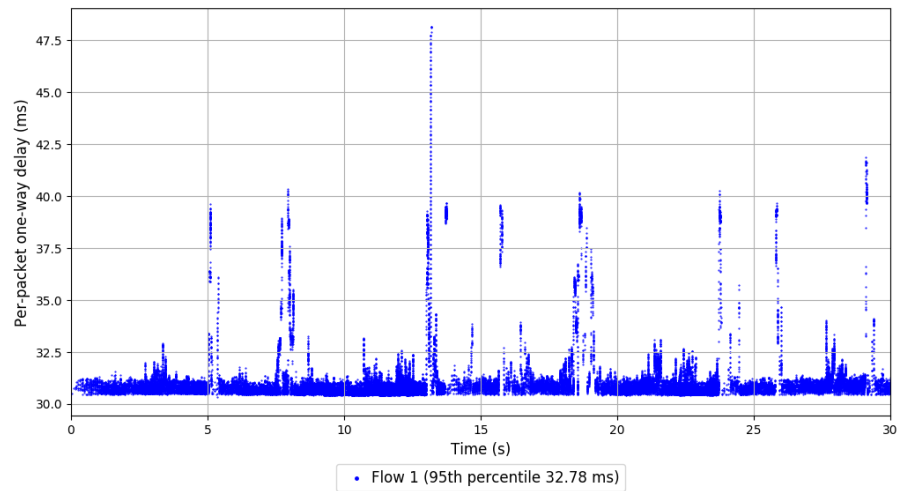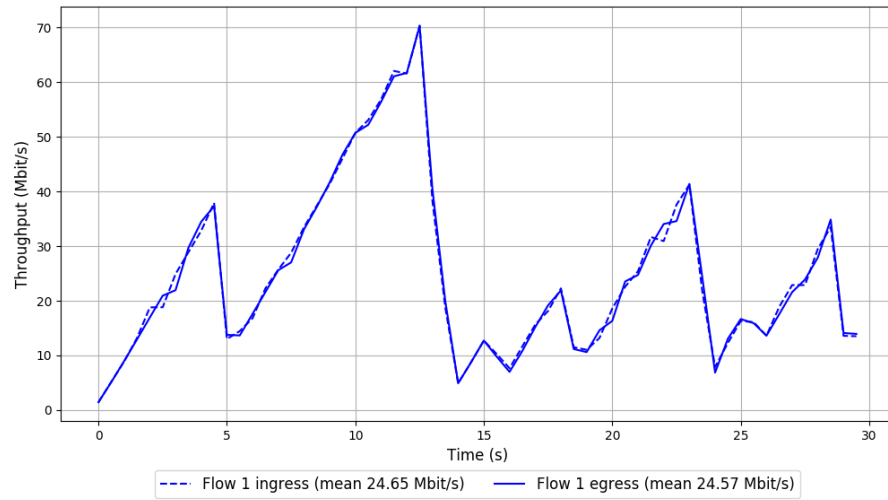# Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2018-01-08 23:45:45
End at: 2018-01-08 23:46:15
Local clock offset: 1.252 ms
Remote clock offset: -2.97 ms


# Below is generated by plot.py at 2018-01-09 02:24:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 50.570 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 50.570 ms
Loss rate: 0.03%
```
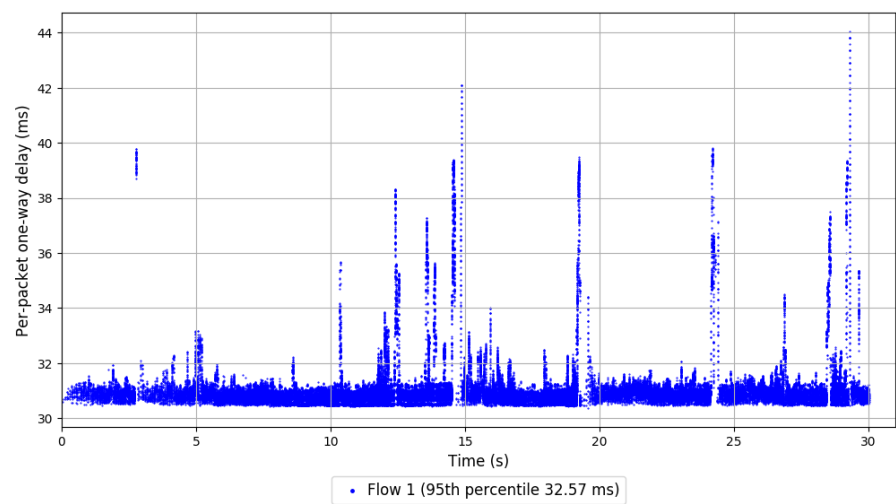
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 50.54 Mbit/s)   —— Flow 1 egress (mean 50.49 Mbit/s)

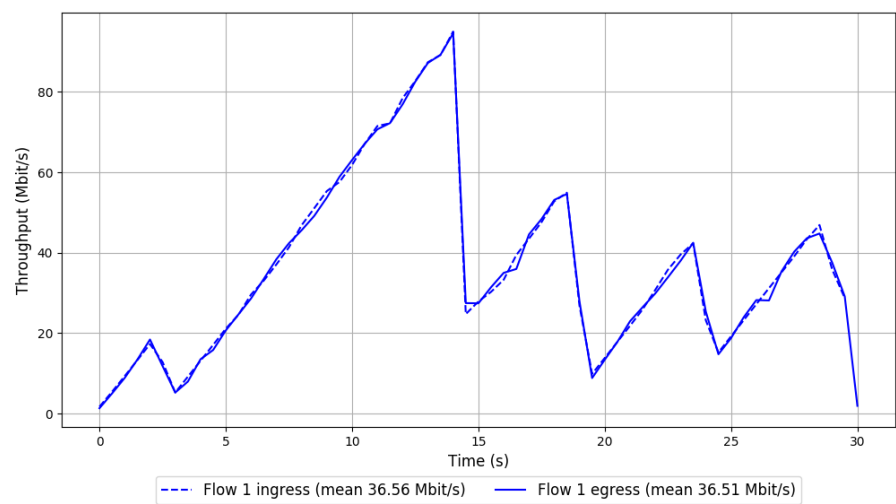• Flow 1 (95th percentile 50.57 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-01-09 00:06:26
End at: 2018-01-09 00:06:56
Local clock offset: 1.32 ms
Remote clock offset: -2.767 ms


# Below is generated by plot.py at 2018-01-09 02:24:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 0.30%
```

Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 24.65 Mbit/s) ----- Flow 1 egress (mean 24.57 Mbit/s)
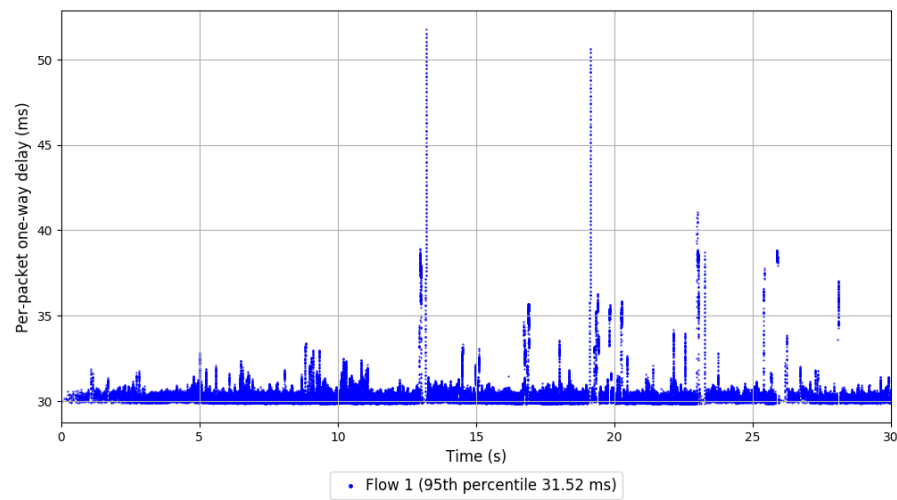

Flow 1 (95th percentile 32.78 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-01-09 00:27:29
End at: 2018-01-09 00:27:59
Local clock offset: 1.541 ms
Remote clock offset: -3.034 ms


# Below is generated by plot.py at 2018-01-09 02:24:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 32.569 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 32.569 ms
Loss rate: 0.13%
```

Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 36.56 Mbit/s)   Flow 1 egress (mean 36.51 Mbit/s)

• Flow 1 (95th percentile 32.57 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-01-09 00:48:40
End at: 2018-01-09 00:49:10
Local clock offset: 1.562 ms
Remote clock offset: -3.58 ms
```
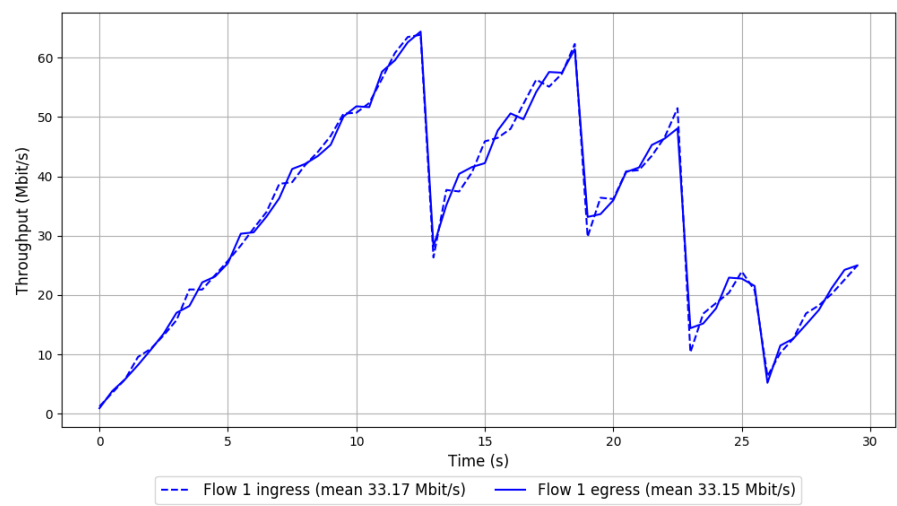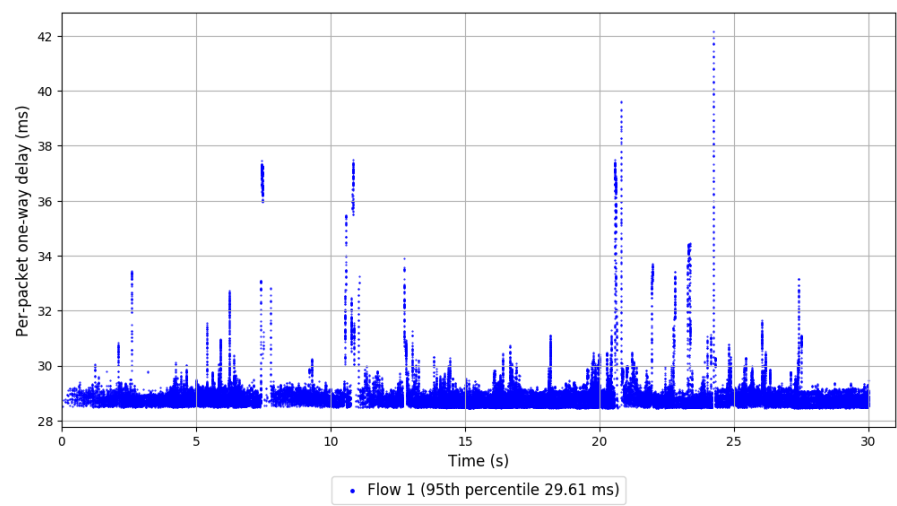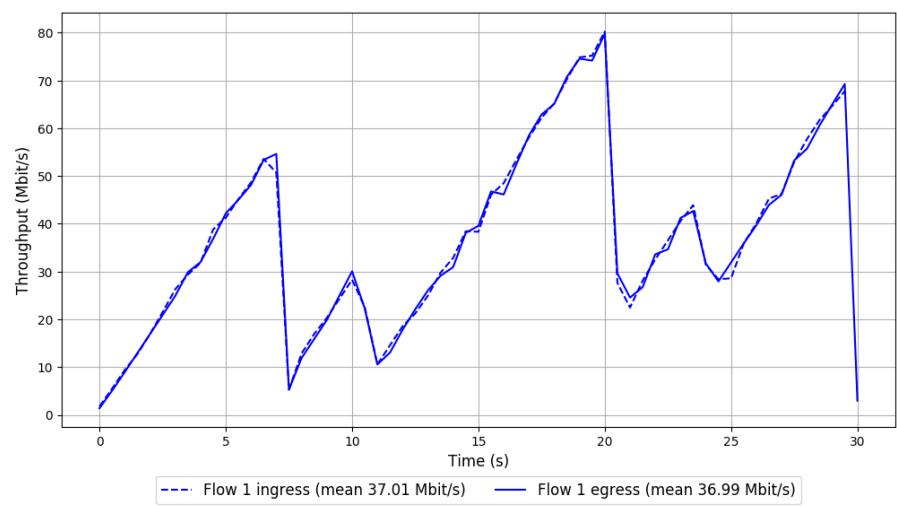
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 40.05 Mbit/s)   Flow 1 egress (mean 40.05 Mbit/s)

Flow 1 (95th percentile 31.66 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-01-09 01:09:44
End at: 2018-01-09 01:10:14
Local clock offset: 1.431 ms
Remote clock offset: -2.757 ms


# Below is generated by plot.py at 2018-01-09 02:24:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 31.525 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 31.525 ms
Loss rate: 0.06%
```

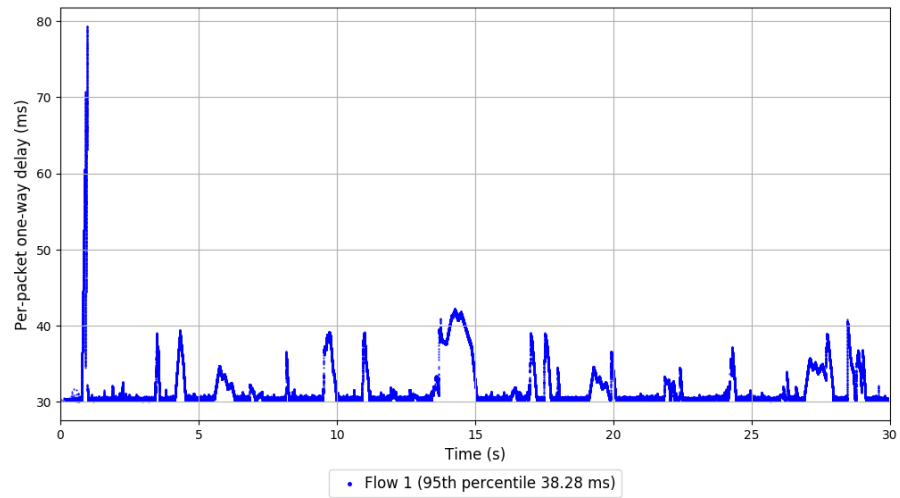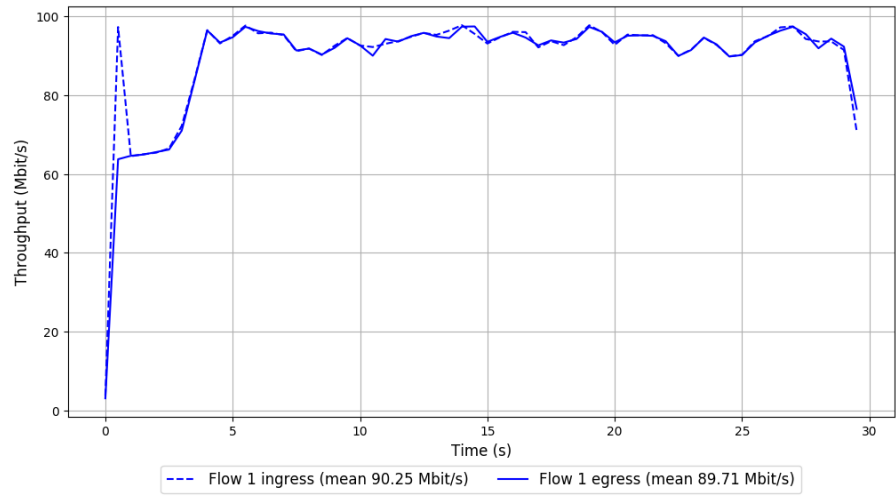## Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2018-01-09 01:32:02
End at: 2018-01-09 01:32:32
Local clock offset: 1.312 ms
Remote clock offset: -3.589 ms


# Below is generated by plot.py at 2018-01-09 02:24:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 29.612 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 29.612 ms
Loss rate: 0.05%
```

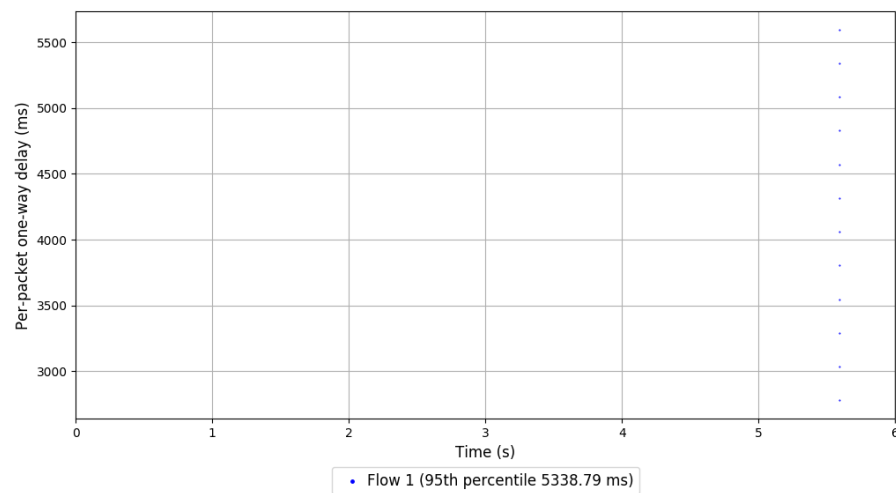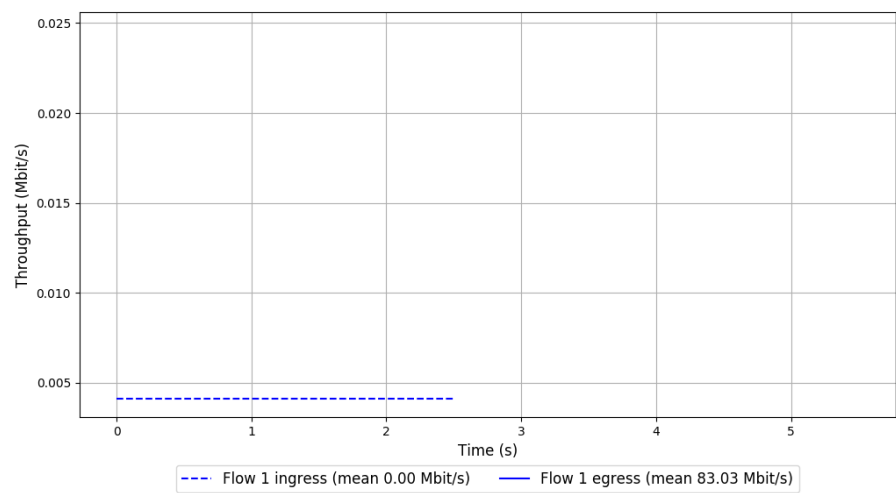Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2018-01-08 22:12:09
End at: 2018-01-08 22:12:39
Local clock offset: 1.944 ms
Remote clock offset: -1.464 ms


# Below is generated by plot.py at 2018-01-09 02:25:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 38.279 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 38.279 ms
Loss rate: 0.60%
```

Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 90.25 Mbit/s)   Flow 1 egress (mean 89.71 Mbit/s)

• Flow 1 (95th percentile 38.28 ms)

```
Run 2: Statistics of PCC

Start at: 2018-01-08 22:32:15
End at: 2018-01-08 22:32:45
Local clock offset: 1.427 ms
Remote clock offset: -3.387 ms
```
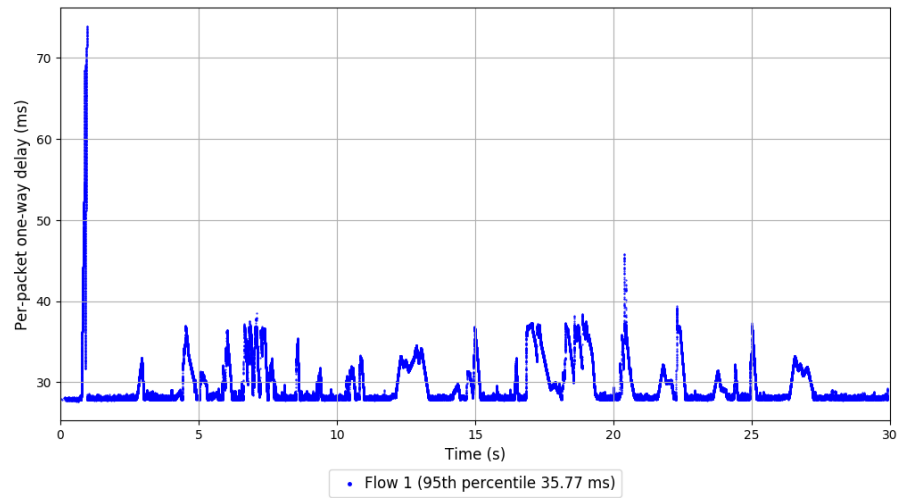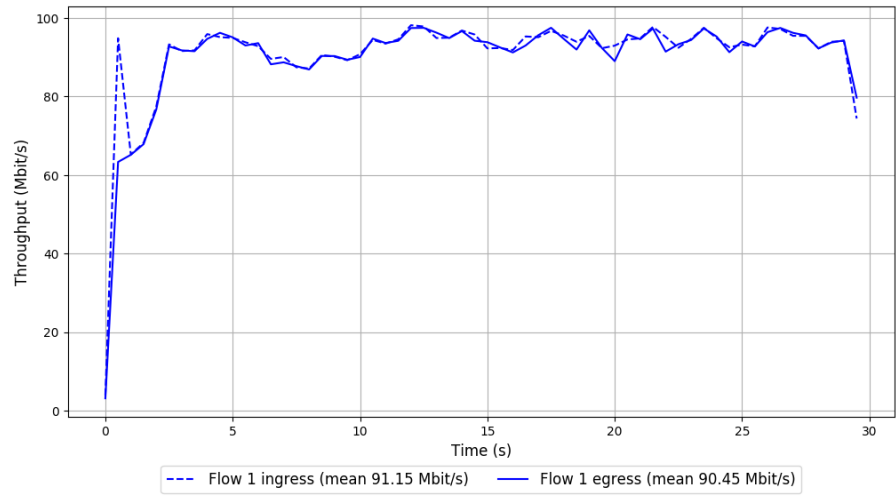
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 0.00 Mbit/s) —— Flow 1 egress (mean 83.03 Mbit/s)

• Flow 1 (95th percentile 5338.79 ms)

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```
Run 3: Statistics of PCC

Start at: 2018-01-08 22:52:14
End at: 2018-01-08 22:52:44
Local clock offset: 1.394 ms
Remote clock offset: -3.589 ms


# Below is generated by plot.py at 2018-01-09 02:26:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 35.767 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 35.767 ms
Loss rate: 0.76%
```
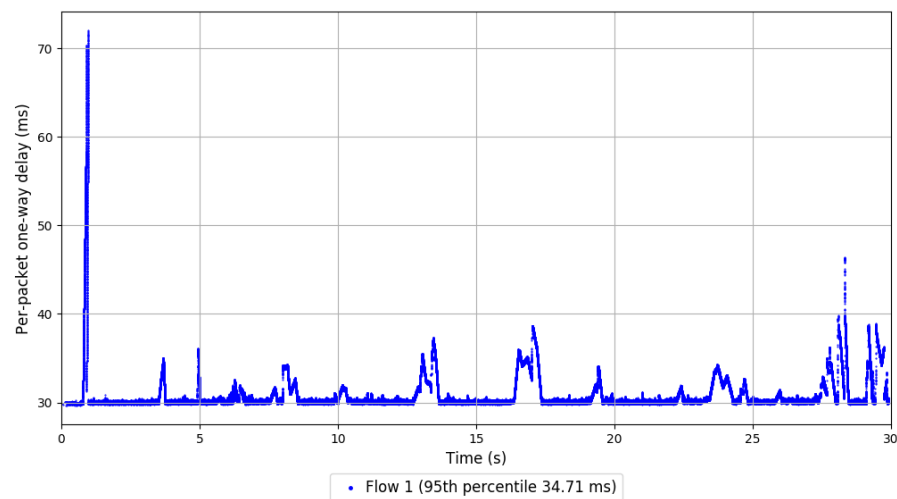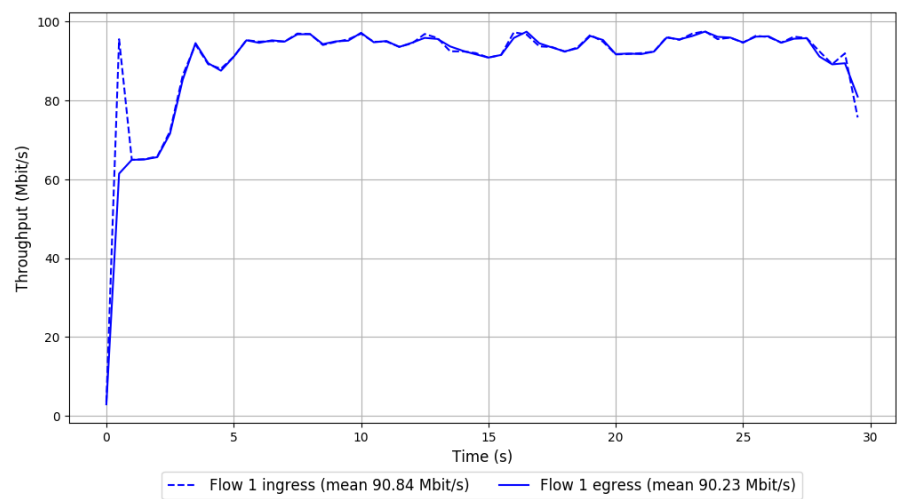
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 91.15 Mbit/s)   Flow 1 egress (mean 90.45 Mbit/s)

Flow 1 (95th percentile 35.77 ms)

```
Run 4: Statistics of PCC

Start at: 2018-01-08 23:12:23
End at: 2018-01-08 23:12:54
Local clock offset: 1.214 ms
Remote clock offset: -2.73 ms


# Below is generated by plot.py at 2018-01-09 02:26:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 34.709 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 34.709 ms
Loss rate: 0.66%
```
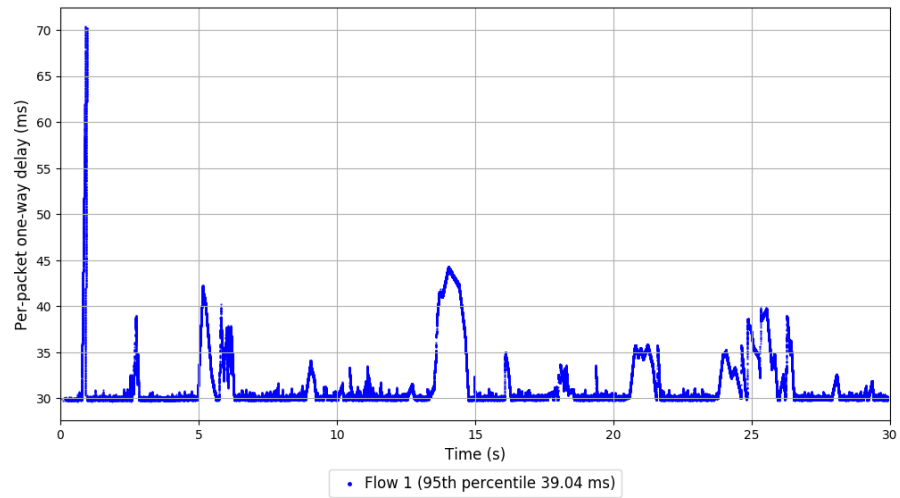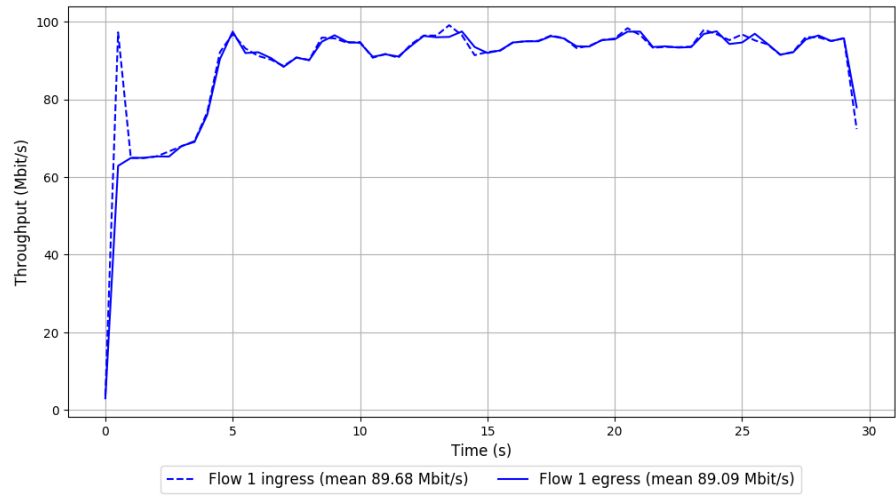
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 90.84 Mbit/s) ----   Flow 1 egress (mean 90.23 Mbit/s) ——

• Flow 1 (95th percentile 34.71 ms)

```
Run 5: Statistics of PCC

Start at: 2018-01-08 23:32:24
End at: 2018-01-08 23:32:54
Local clock offset: 1.214 ms
Remote clock offset: -3.02 ms


# Below is generated by plot.py at 2018-01-09 02:26:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 39.042 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 39.042 ms
Loss rate: 0.66%
```
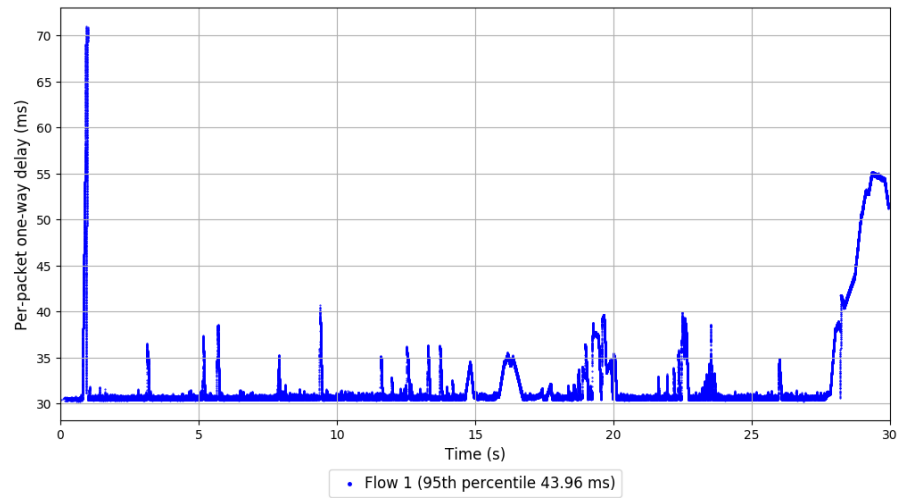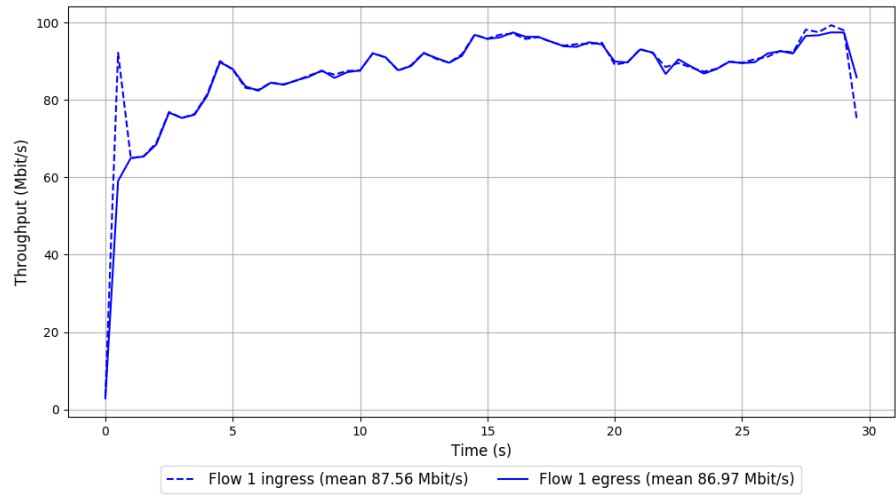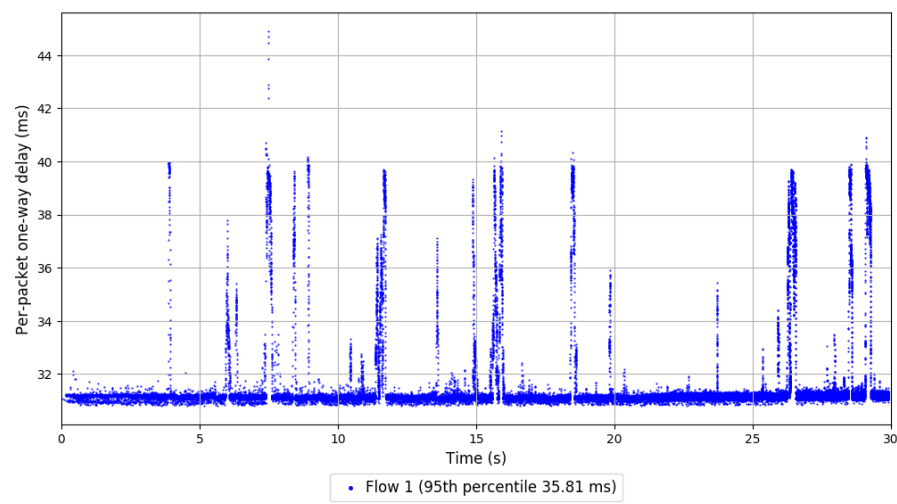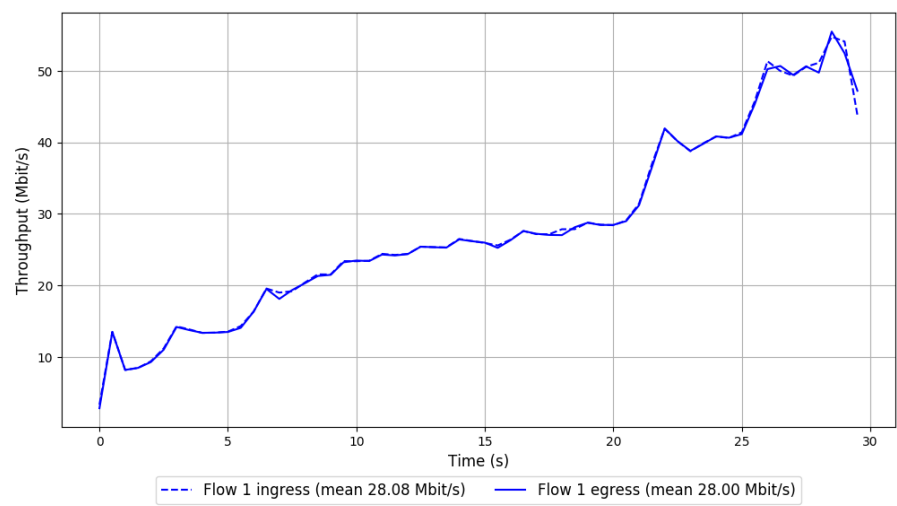
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 89.68 Mbit/s)   Flow 1 egress (mean 89.09 Mbit/s)

Flow 1 (95th percentile 39.04 ms)

```
Run 6: Statistics of PCC

Start at: 2018-01-08 23:52:37
End at: 2018-01-08 23:53:07
Local clock offset: 1.296 ms
Remote clock offset: -2.94 ms


# Below is generated by plot.py at 2018-01-09 02:26:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 43.961 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 43.961 ms
Loss rate: 0.61%
```
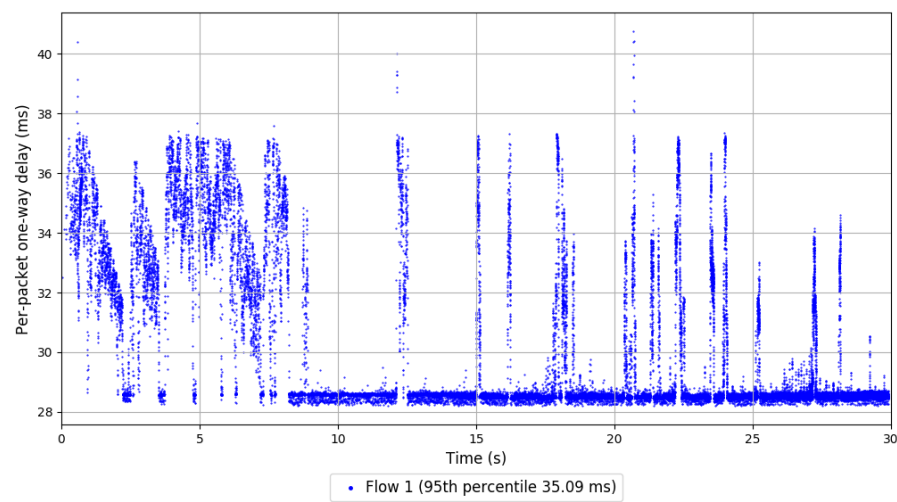
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 87.56 Mbit/s)   Flow 1 egress (mean 86.97 Mbit/s)

· Flow 1 (95th percentile 43.96 ms)

```
Run 7: Statistics of PCC

Start at: 2018-01-09 00:13:38
End at: 2018-01-09 00:14:08
Local clock offset: 1.39 ms
Remote clock offset: -2.166 ms


# Below is generated by plot.py at 2018-01-09 02:26:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 35.808 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 35.808 ms
Loss rate: 0.26%
```
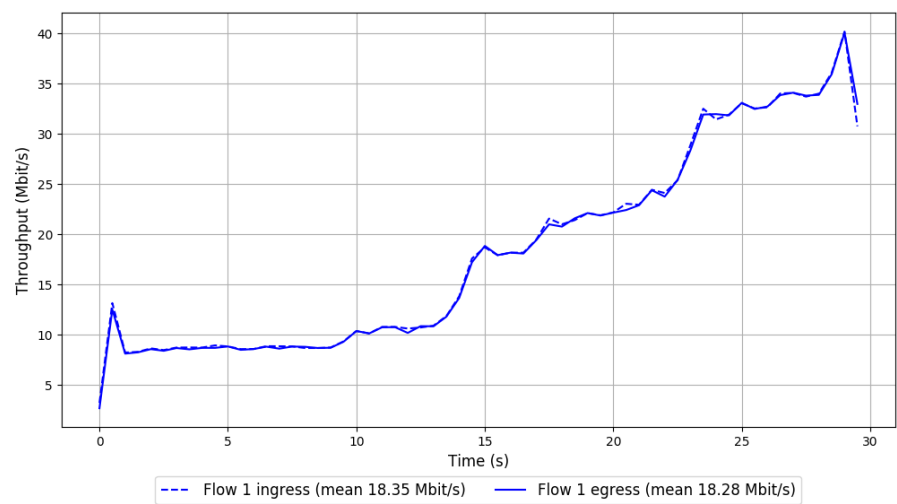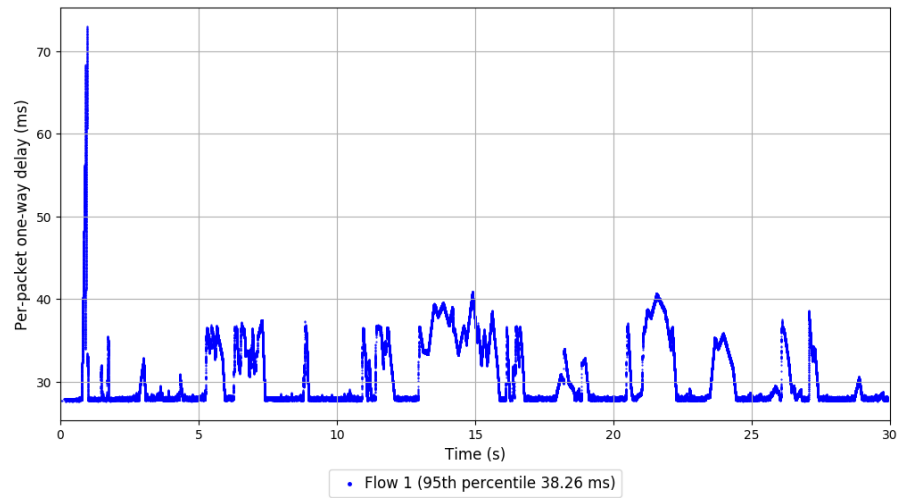
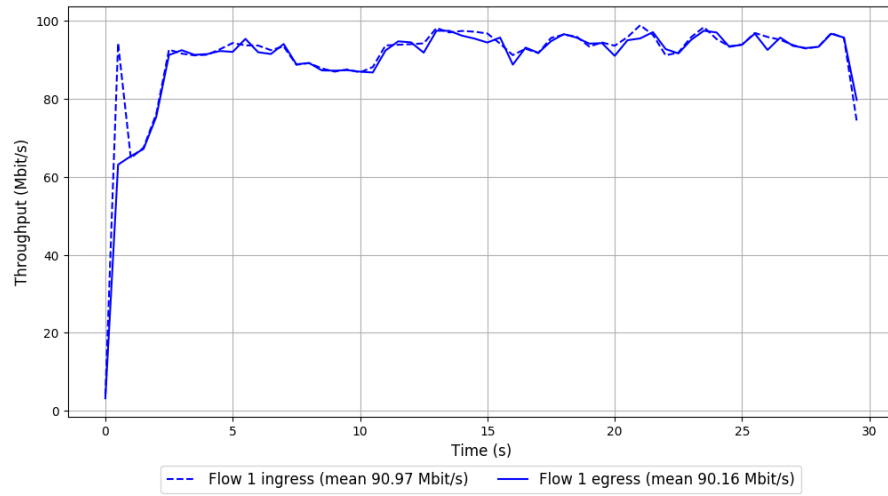Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2018-01-09 00:34:42
End at: 2018-01-09 00:35:12
Local clock offset: 1.627 ms
Remote clock offset: -5.36 ms


# Below is generated by plot.py at 2018-01-09 02:26:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 35.093 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 35.093 ms
Loss rate: 0.35%
```
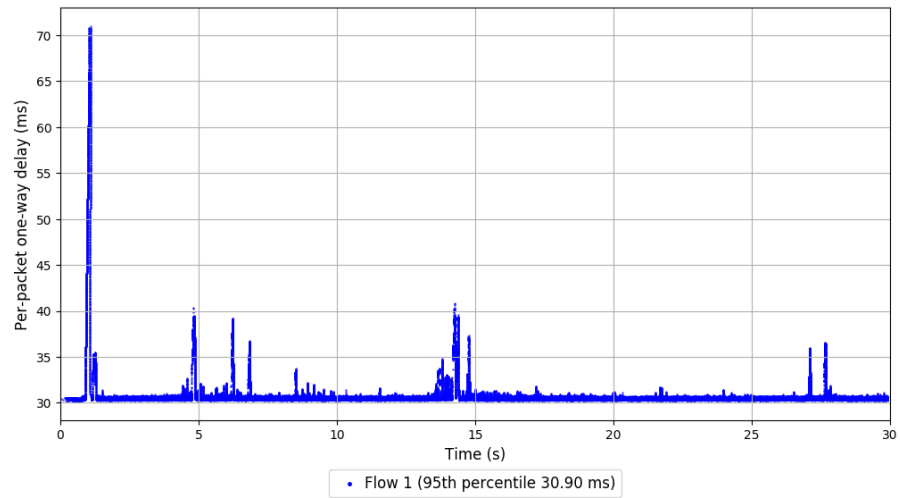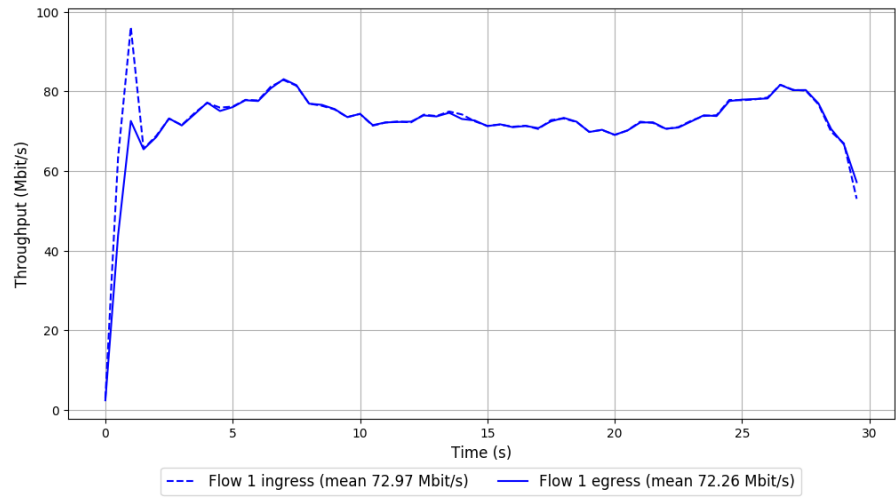
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 18.35 Mbit/s)   Flow 1 egress (mean 18.28 Mbit/s)

Flow 1 (95th percentile 35.09 ms)

```
Run 9: Statistics of PCC

Start at: 2018-01-09 00:55:44
End at: 2018-01-09 00:56:14
Local clock offset: 1.452 ms
Remote clock offset: -5.587 ms


# Below is generated by plot.py at 2018-01-09 02:26:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 38.259 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 38.259 ms
Loss rate: 0.90%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 90.97 Mbit/s) --- Flow 1 egress (mean 90.16 Mbit/s)

Flow 1 (95th percentile 38.26 ms)

```
Run 10: Statistics of PCC

Start at: 2018-01-09 01:17:43
End at: 2018-01-09 01:18:13
Local clock offset: 1.308 ms
Remote clock offset: -1.951 ms


# Below is generated by plot.py at 2018-01-09 02:26:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.26 Mbit/s
95th percentile per-packet one-way delay: 30.897 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 72.26 Mbit/s
95th percentile per-packet one-way delay: 30.897 ms
Loss rate: 0.97%
```
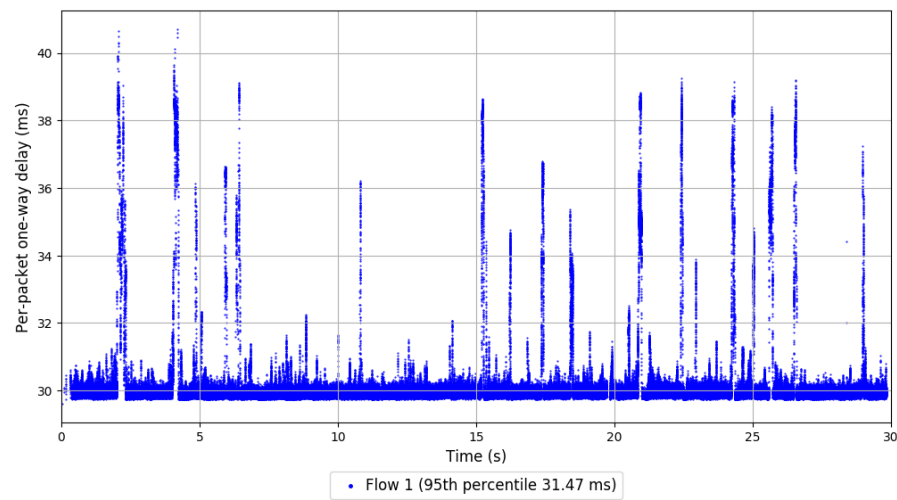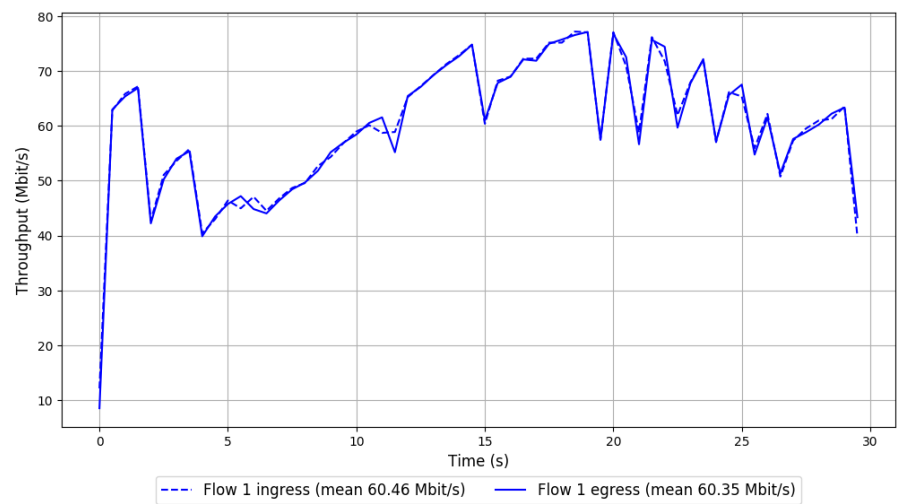
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 72.97 Mbit/s)   Flow 1 egress (mean 72.26 Mbit/s)

Flow 1 (95th percentile 30.90 ms)

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-08 22:10:53
End at: 2018-01-08 22:11:23
Local clock offset: 1.934 ms
Remote clock offset: -1.437 ms
```

Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-08 22:30:56
End at: 2018-01-08 22:31:26
Local clock offset: 1.512 ms
Remote clock offset: -1.424 ms


# Below is generated by plot.py at 2018-01-09 02:26:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 31.467 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 31.467 ms
Loss rate: 0.18%
```
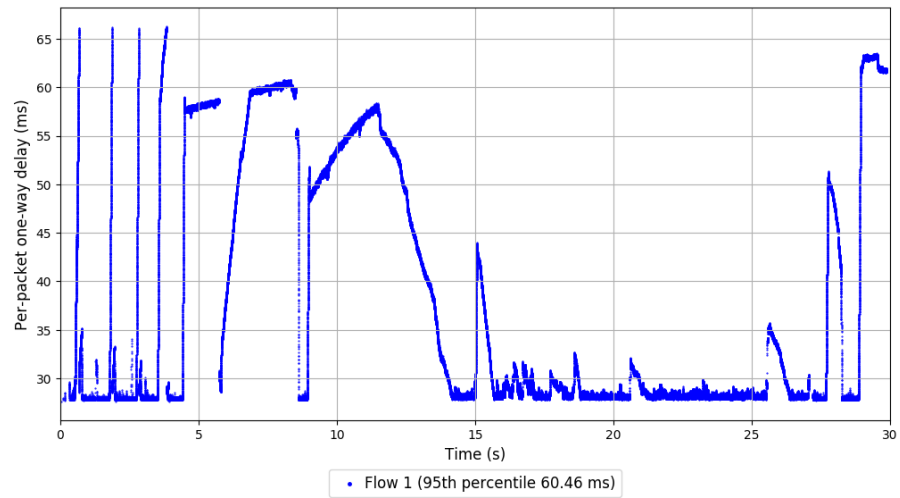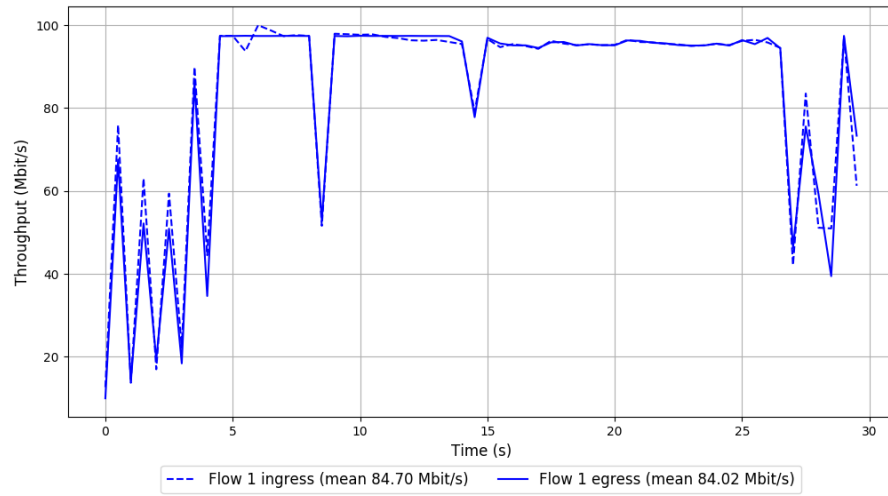
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-01-08 22:50:53
End at: 2018-01-08 22:51:23
Local clock offset: 1.328 ms
Remote clock offset: -3.678 ms


# Below is generated by plot.py at 2018-01-09 02:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 60.457 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 60.457 ms
Loss rate: 0.69%
```
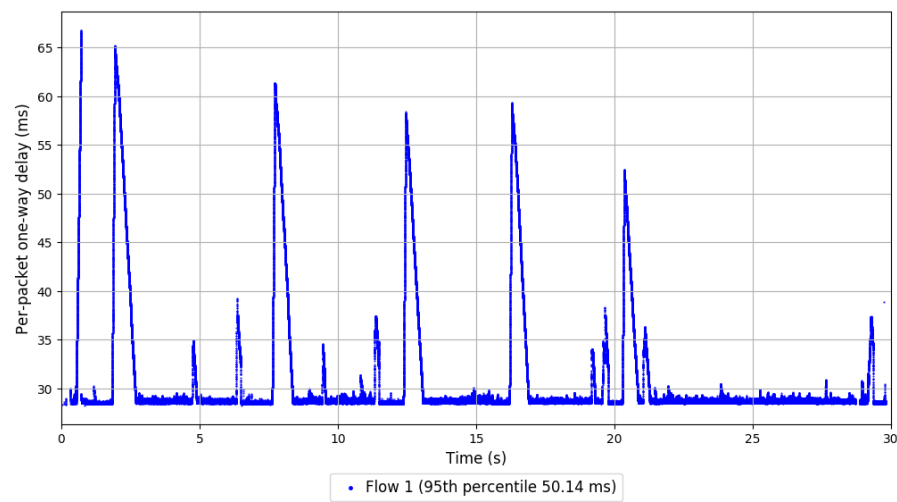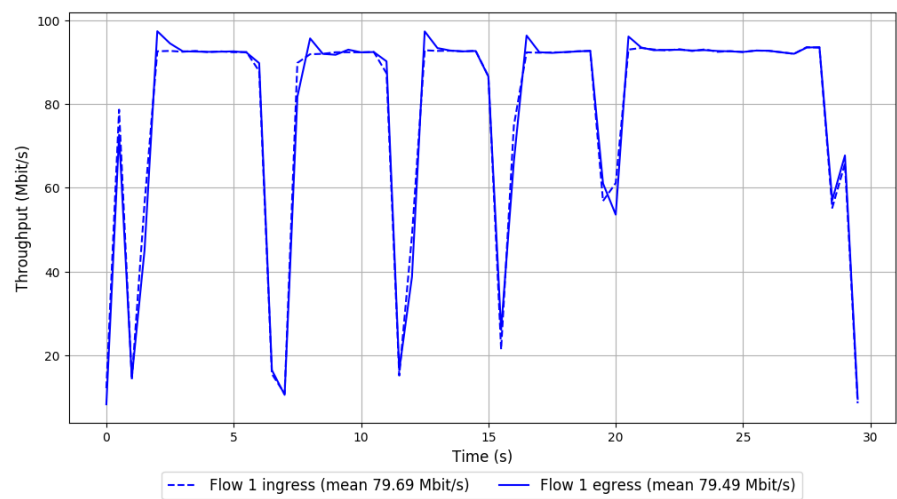
Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 84.70 Mbit/s) ---- Flow 1 egress (mean 84.02 Mbit/s)
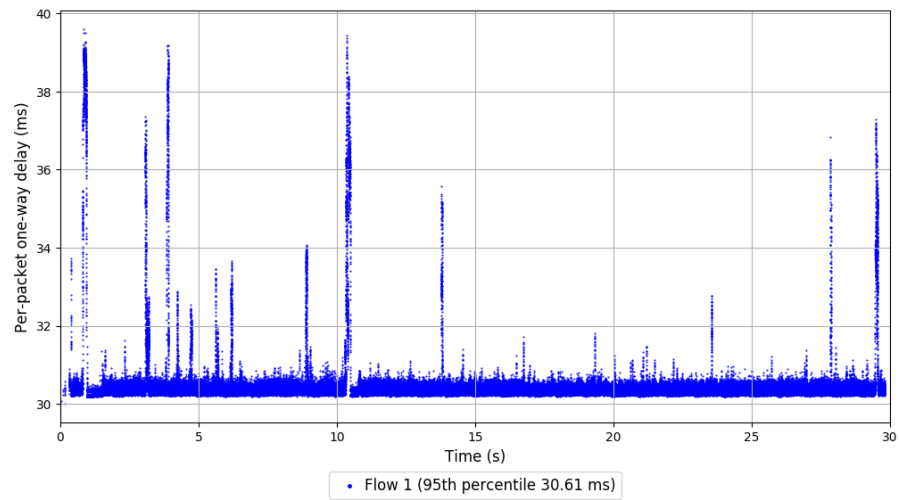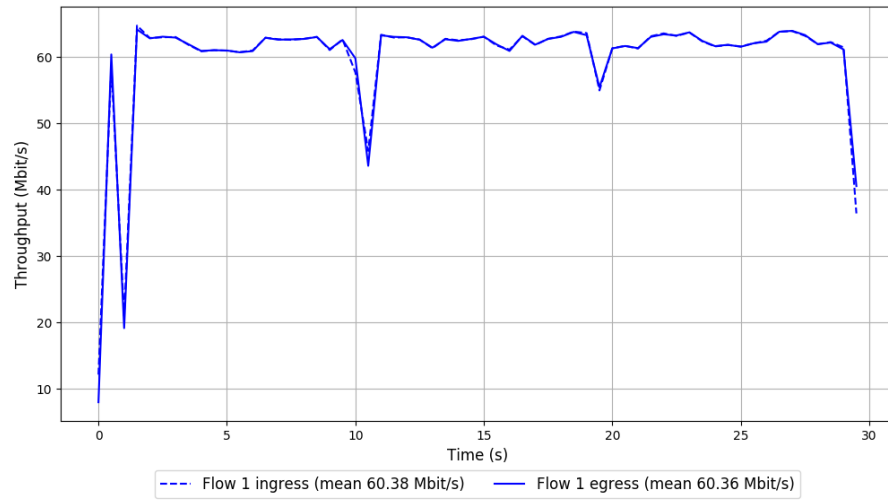
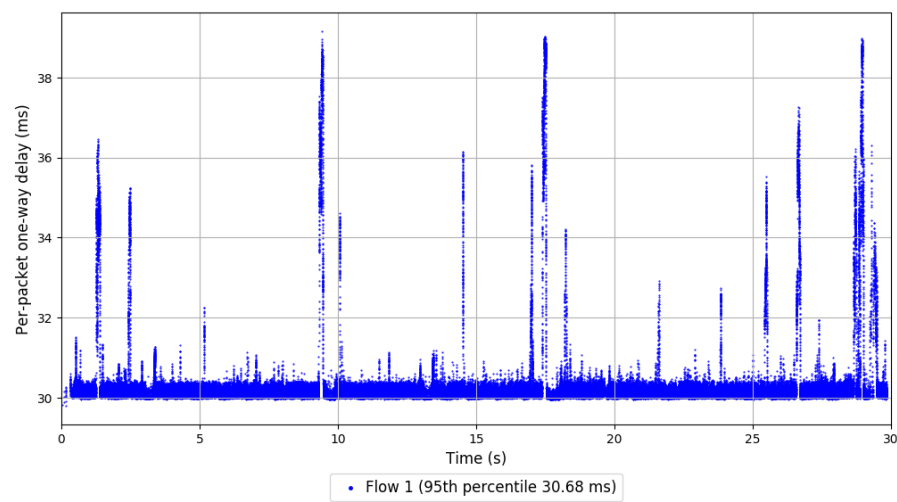

• Flow 1 (95th percentile 60.46 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-08 23:11:03
End at: 2018-01-08 23:11:33
Local clock offset: 1.321 ms
Remote clock offset: -4.674 ms


# Below is generated by plot.py at 2018-01-09 02:28:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 50.144 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 50.144 ms
Loss rate: 0.24%
```

Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 79.69 Mbit/s) --- Flow 1 egress (mean 79.49 Mbit/s)

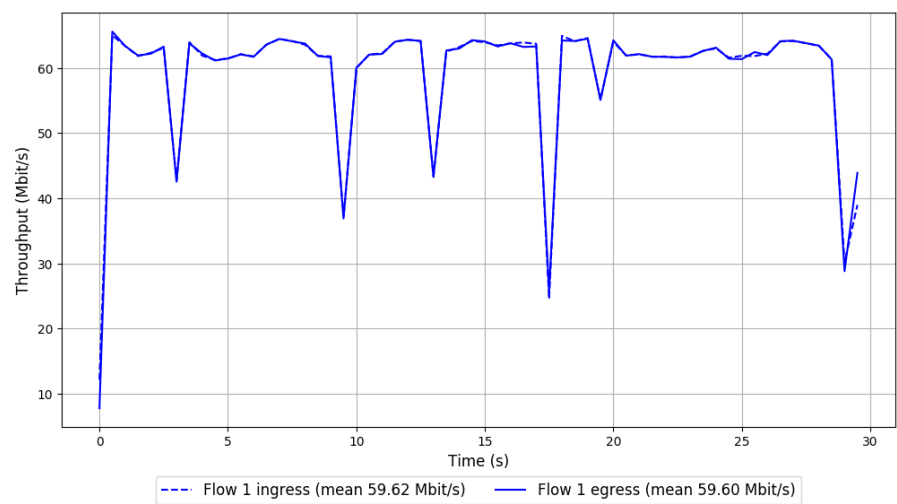

• Flow 1 (95th percentile 50.14 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-08 23:31:05
End at: 2018-01-08 23:31:35
Local clock offset: 1.211 ms
Remote clock offset: -2.601 ms


# Below is generated by plot.py at 2018-01-09 02:28:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 30.607 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 30.607 ms
Loss rate: 0.03%
```
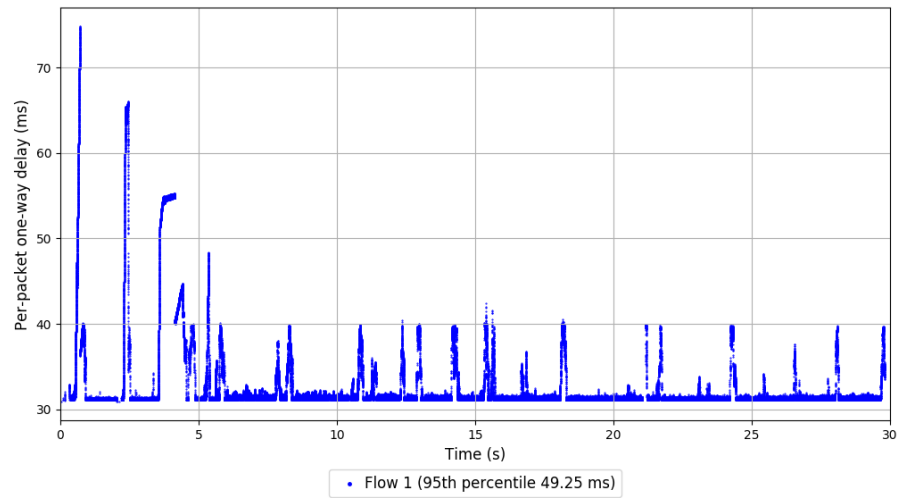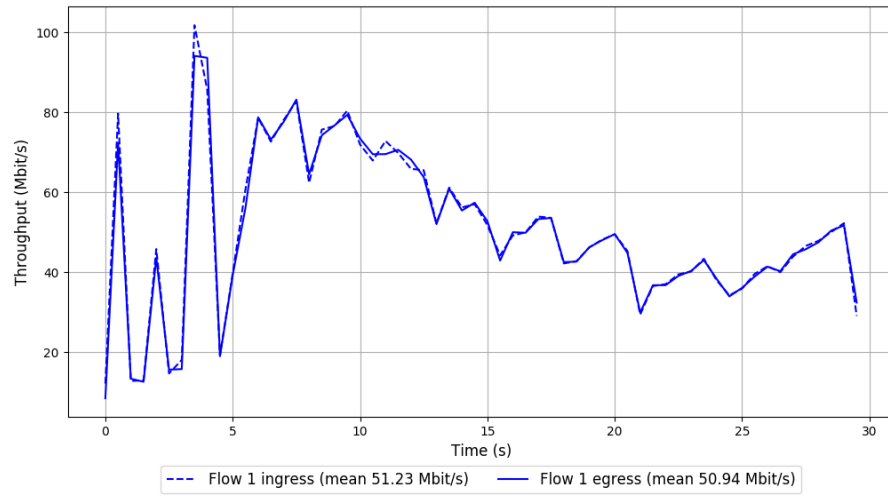
Run 5: Report of QUIC Cubic — Data Link

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-01-08 23:51:17
End at: 2018-01-08 23:51:47
Local clock offset: 1.193 ms
Remote clock offset: -2.813 ms


# Below is generated by plot.py at 2018-01-09 02:28:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 30.677 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 30.677 ms
Loss rate: 0.03%
```

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 59.62 Mbit/s)   Flow 1 egress (mean 59.60 Mbit/s)

Flow 1 (95th percentile 30.68 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-09 00:12:13
End at: 2018-01-09 00:12:43
Local clock offset: 1.36 ms
Remote clock offset: -2.102 ms


# Below is generated by plot.py at 2018-01-09 02:28:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 49.250 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 49.250 ms
Loss rate: 0.55%
```
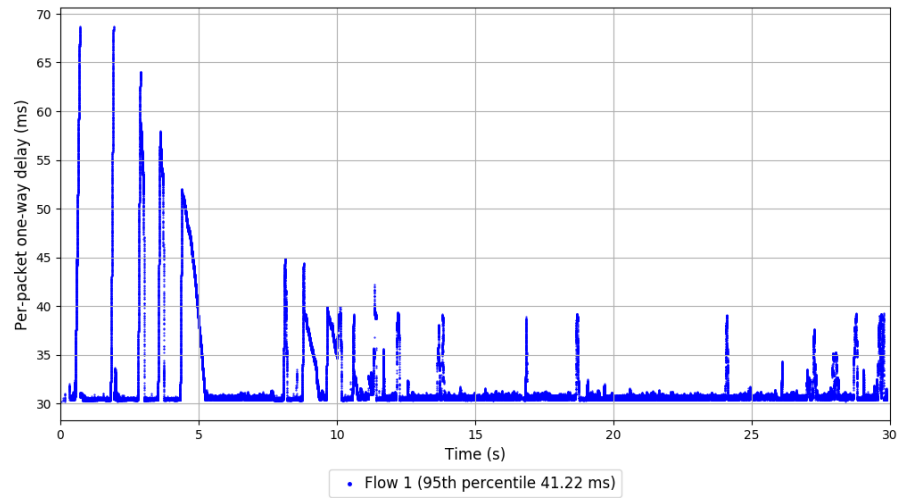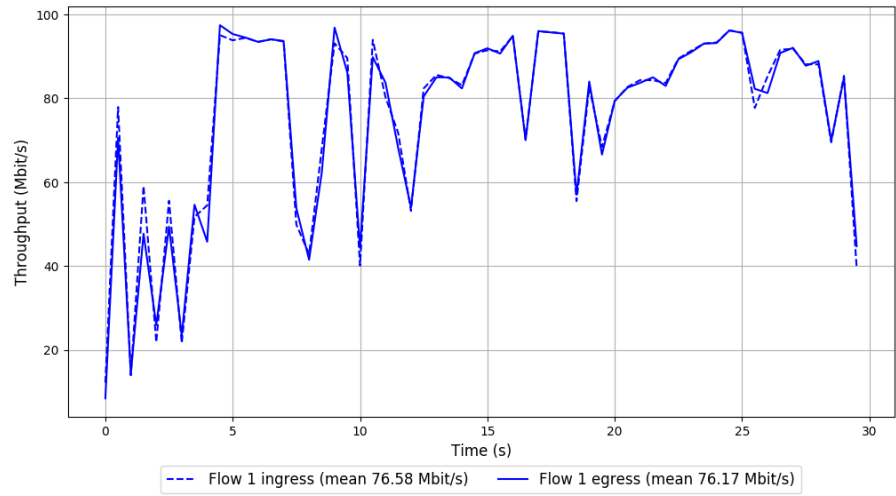
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 51.23 Mbit/s)   Flow 1 egress (mean 50.94 Mbit/s)

Flow 1 (95th percentile 49.25 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-01-09 00:33:18
End at: 2018-01-09 00:33:48
Local clock offset: 1.624 ms
Remote clock offset: -2.685 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 41.216 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 41.216 ms
Loss rate: 0.53%
```
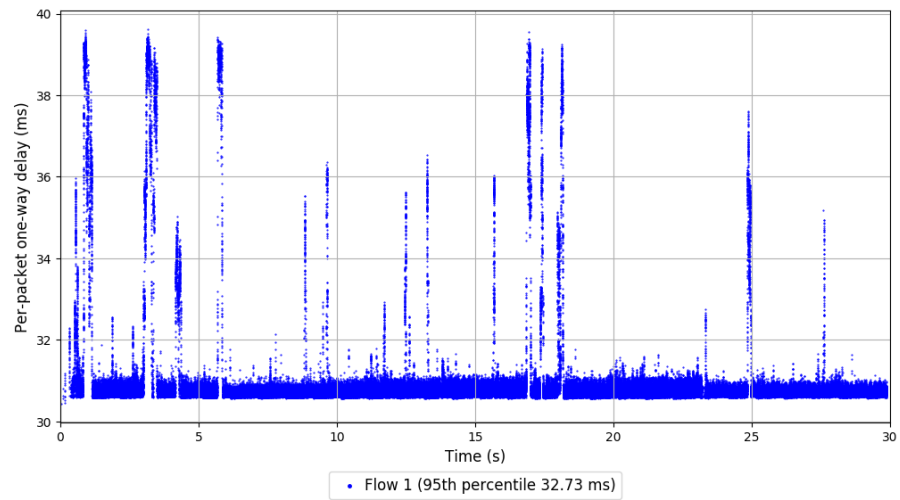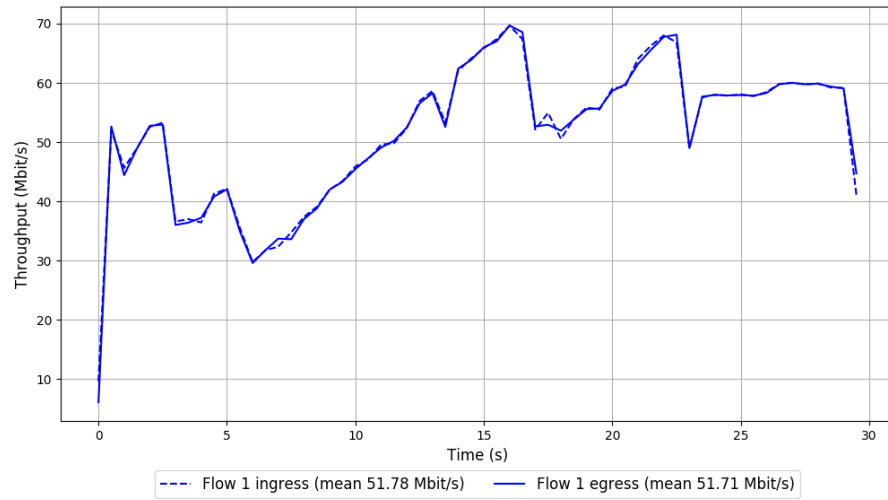
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 76.58 Mbit/s)　　　Flow 1 egress (mean 76.17 Mbit/s)

• Flow 1 (95th percentile 41.22 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-09 00:54:22
End at: 2018-01-09 00:54:52
Local clock offset: 1.464 ms
Remote clock offset: -3.451 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 32.733 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 32.733 ms
Loss rate: 0.14%
```

Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 51.78 Mbit/s) —— Flow 1 egress (mean 51.71 Mbit/s)

• Flow 1 (95th percentile 32.73 ms)

Run 10: Statistics of QUIC Cubic

Start at: 2018-01-09 01:16:23
End at: 2018-01-09 01:16:53
Local clock offset: 1.307 ms
Remote clock offset: -2.418 ms
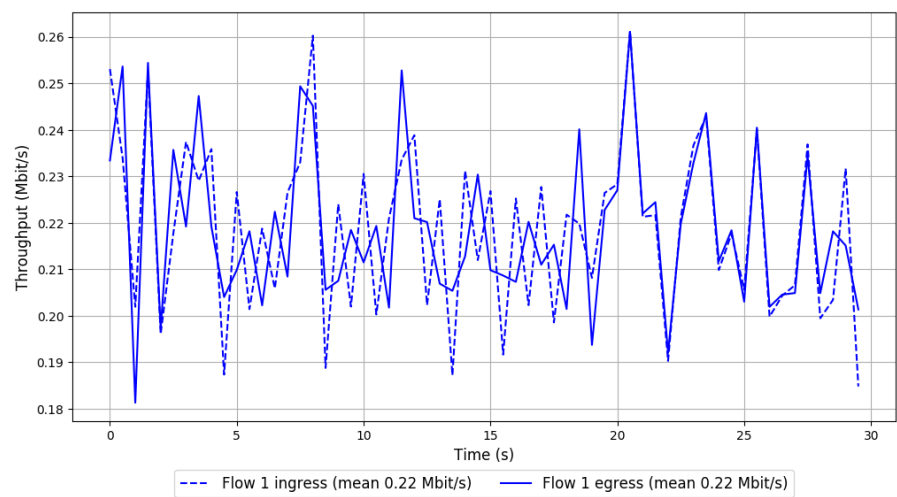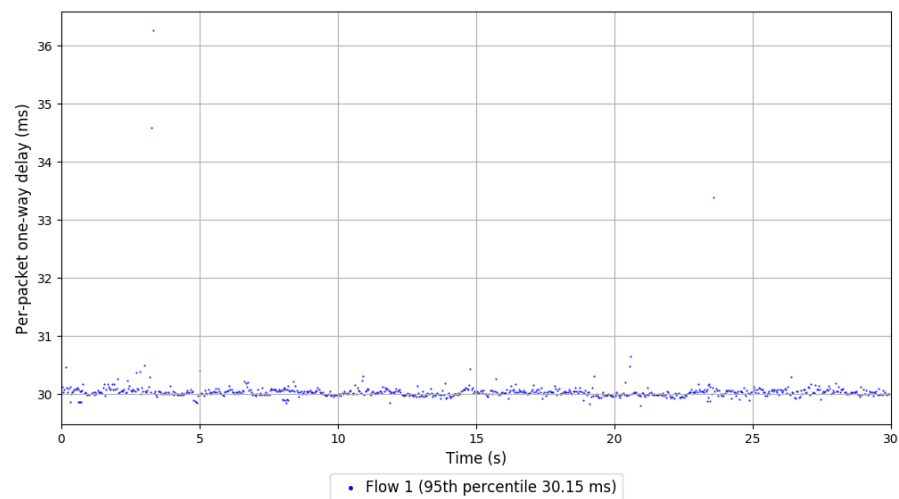
Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 52.46 Mbit/s) ---- Flow 1 egress (mean 52.39 Mbit/s) ——
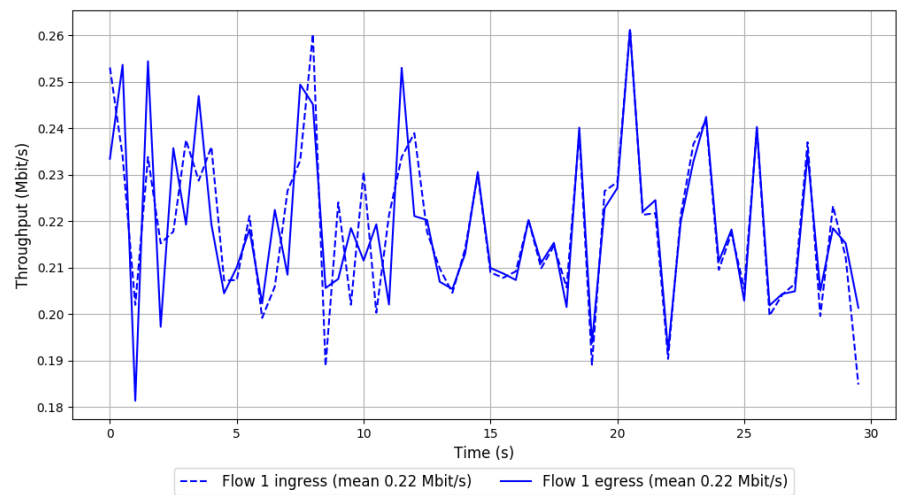

Flow 1 (95th percentile 31.17 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-01-08 22:16:04
End at: 2018-01-08 22:16:34
Local clock offset: 1.678 ms
Remote clock offset: -3.681 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.178 ms
Loss rate: 0.00%
```
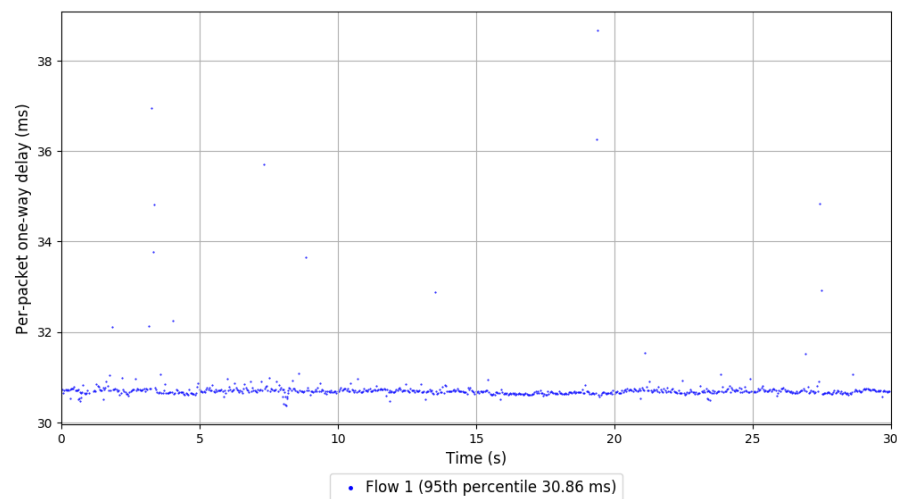
Run 1: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 28.18 ms)

```
Run 2: Statistics of SCReAM

Start at: 2018-01-08 22:36:12
End at: 2018-01-08 22:36:42
Local clock offset: 1.564 ms
Remote clock offset: -1.291 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.147 ms
Loss rate: 0.00%
```
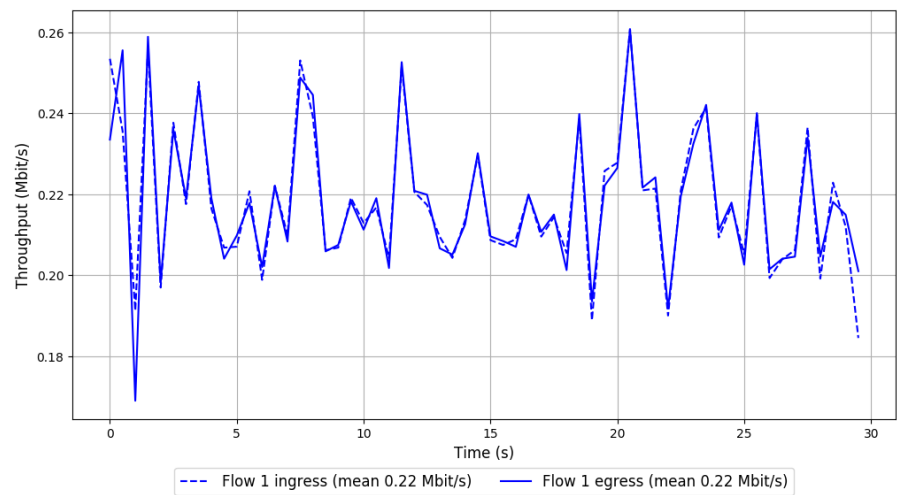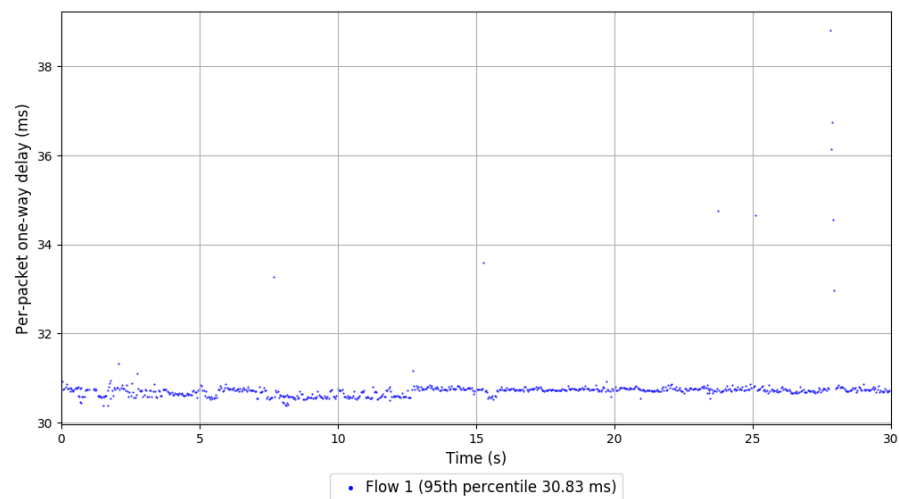
Run 2: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 30.15 ms)

```
Run 3: Statistics of SCReAM

Start at: 2018-01-08 22:56:15
End at: 2018-01-08 22:56:45
Local clock offset: 1.388 ms
Remote clock offset: -1.72 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.857 ms
Loss rate: 0.00%
```
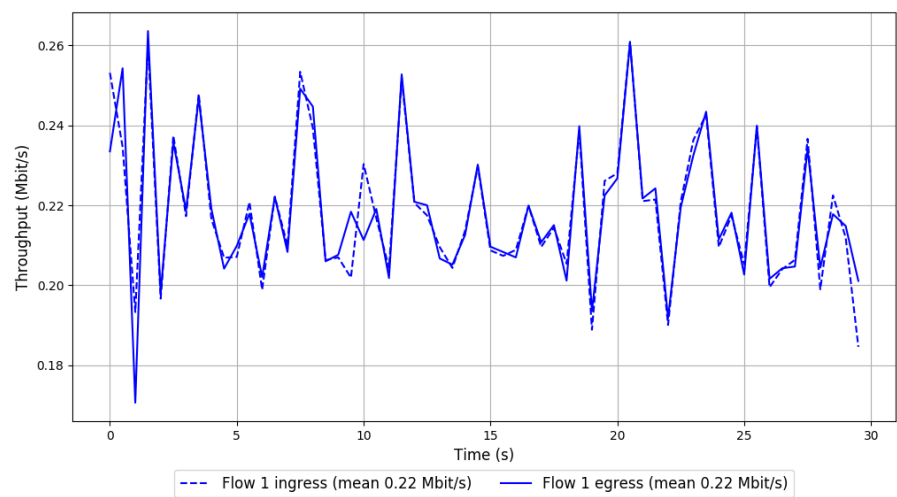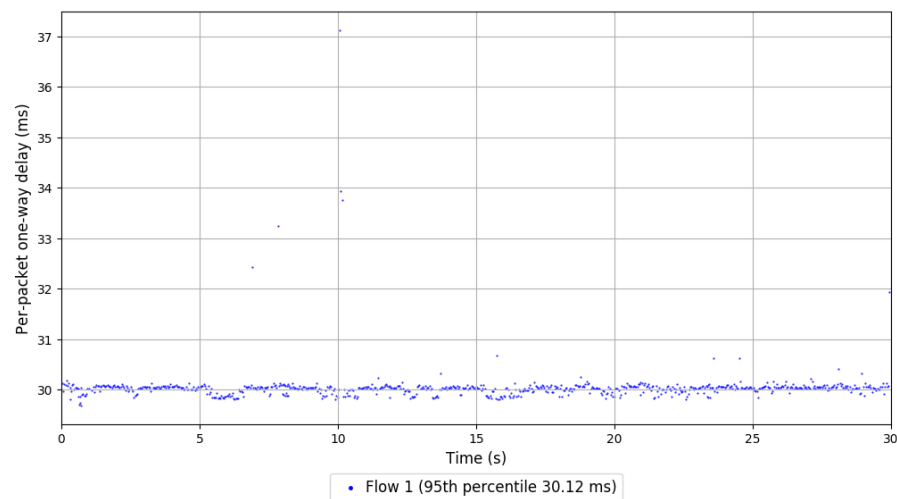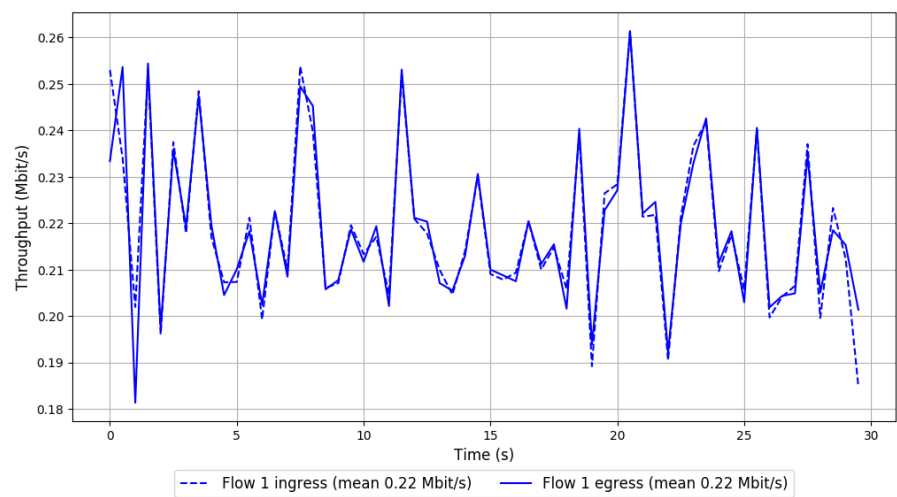
Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 30.86 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-01-08 23:16:25
End at: 2018-01-08 23:16:55
Local clock offset: 1.303 ms
Remote clock offset: -2.73 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.826 ms
Loss rate: 0.00%
```
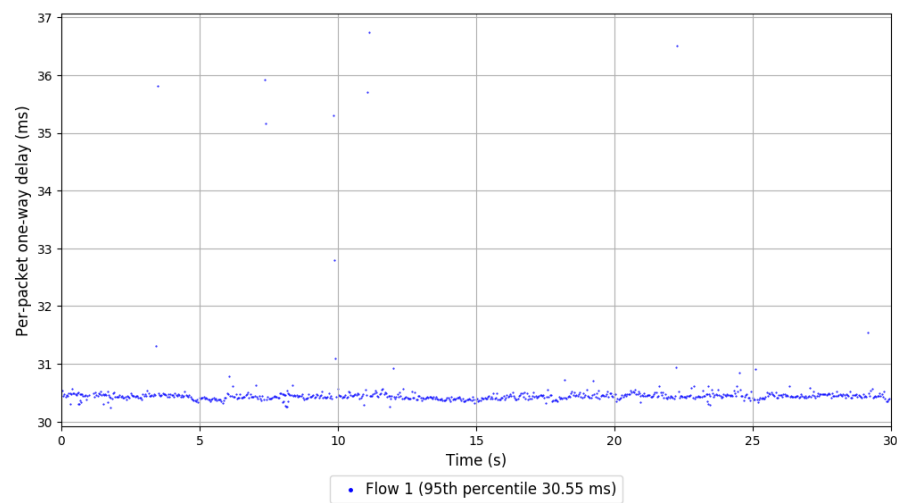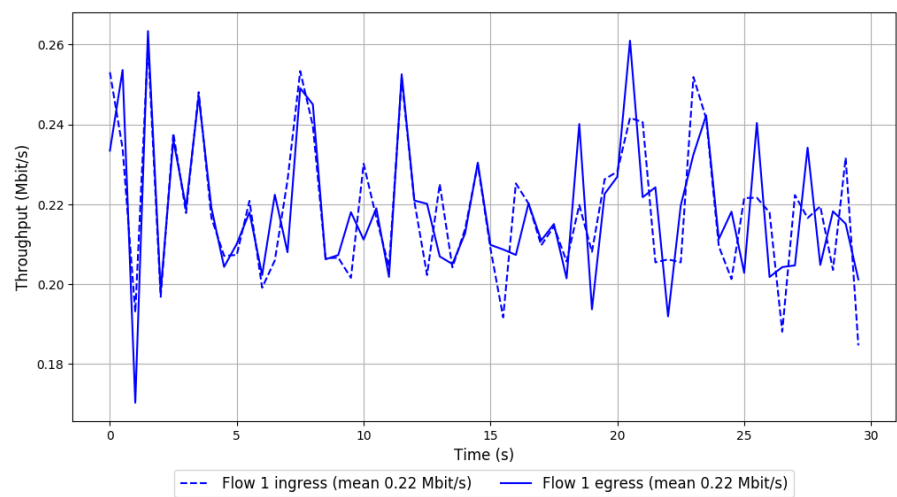
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2018-01-08 23:36:24
End at: 2018-01-08 23:36:54
Local clock offset: 1.126 ms
Remote clock offset: -3.013 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.125 ms
Loss rate: 0.00%
```
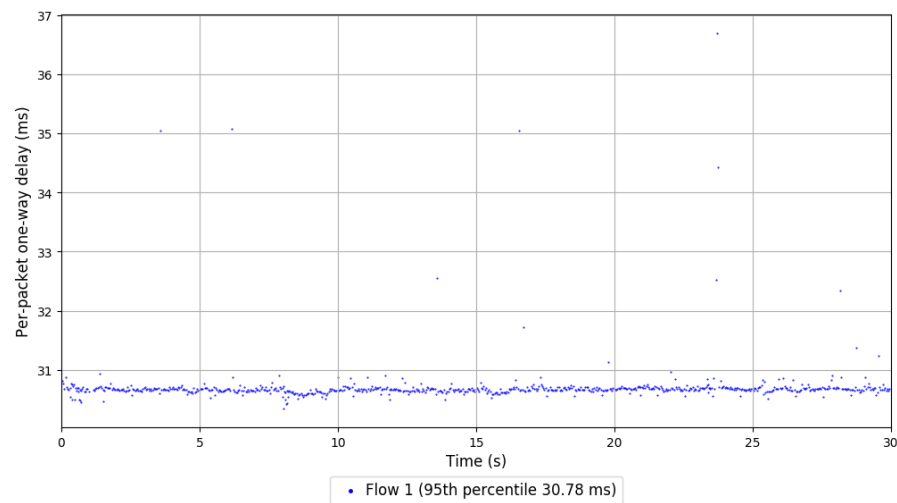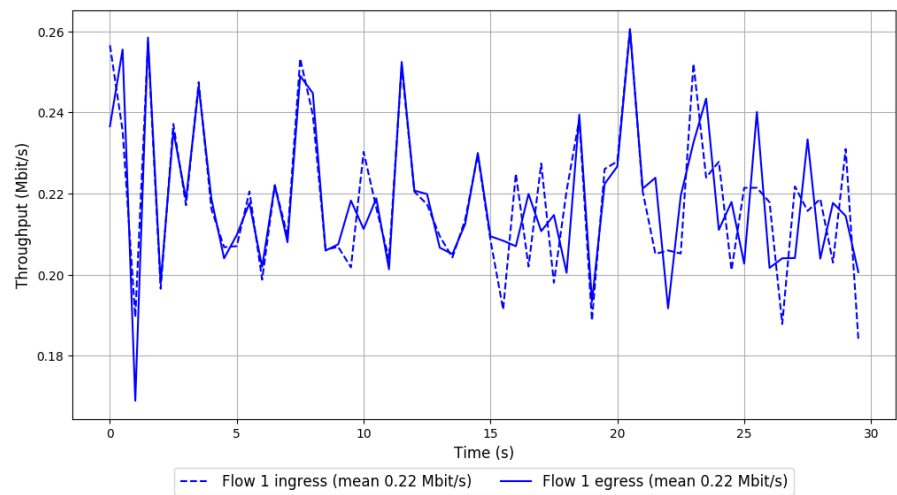
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2018-01-08 23:56:41
End at: 2018-01-08 23:57:11
Local clock offset: 1.203 ms
Remote clock offset: -2.447 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.552 ms
Loss rate: 0.00%
```
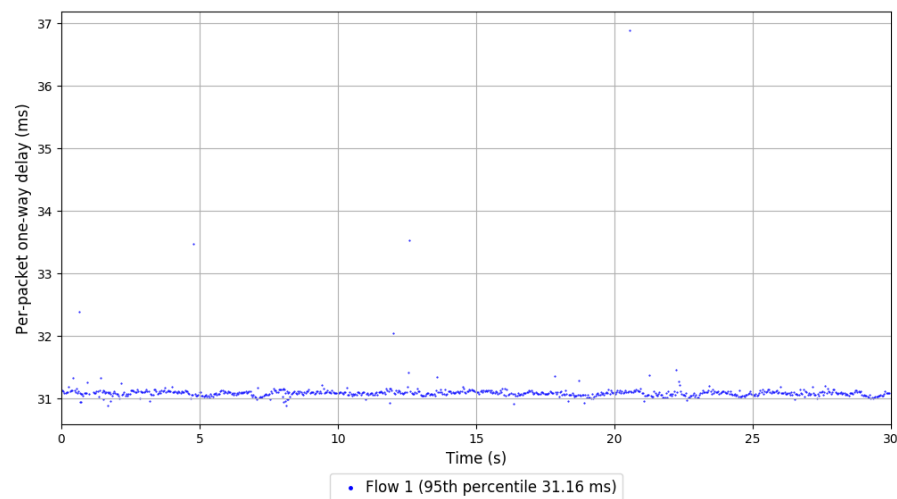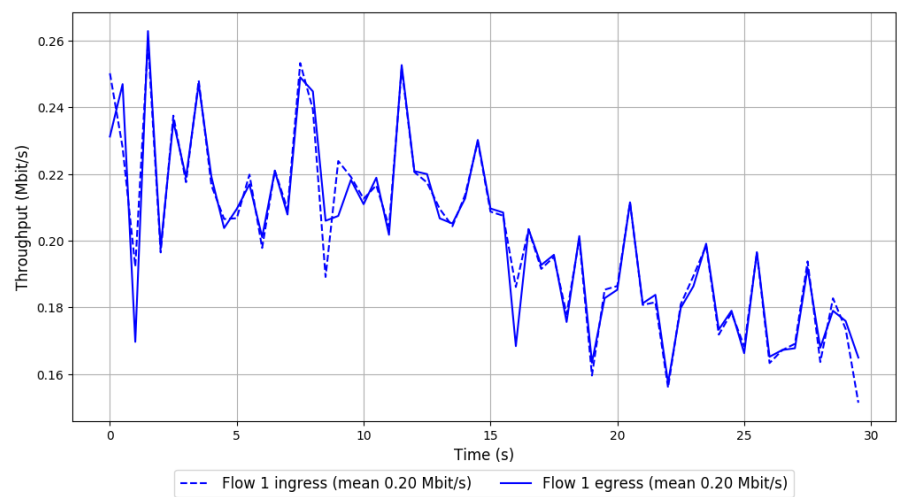
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-01-09 00:17:45
End at: 2018-01-09 00:18:15
Local clock offset: 1.416 ms
Remote clock offset: -2.754 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.784 ms
Loss rate: 0.00%
```
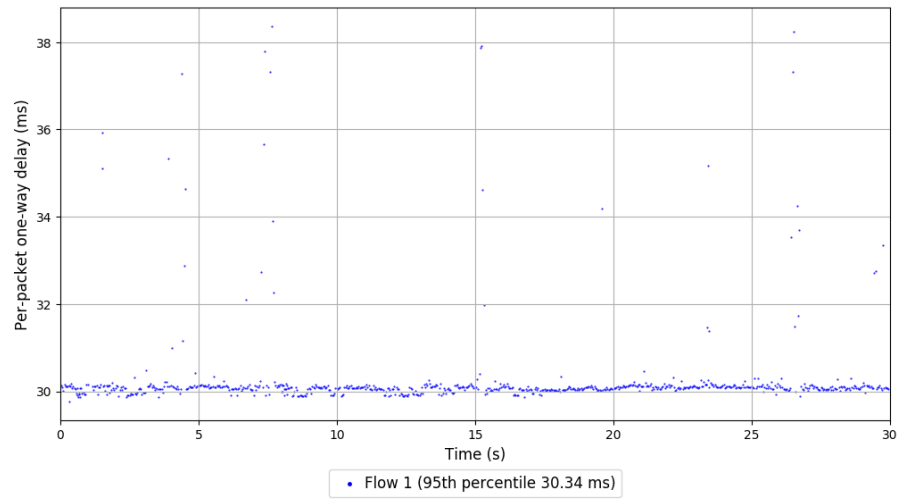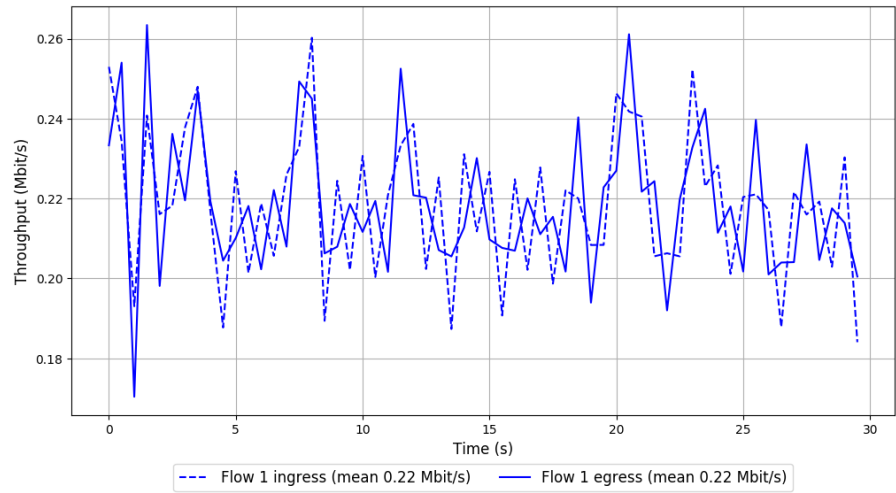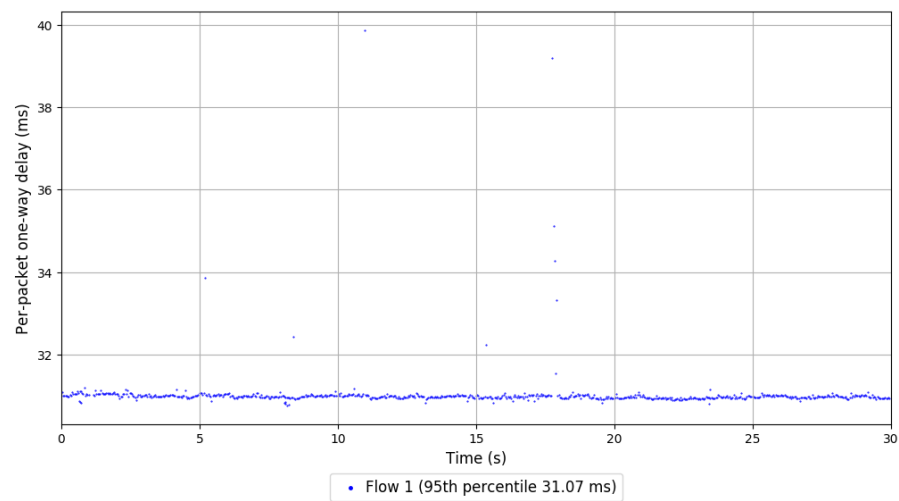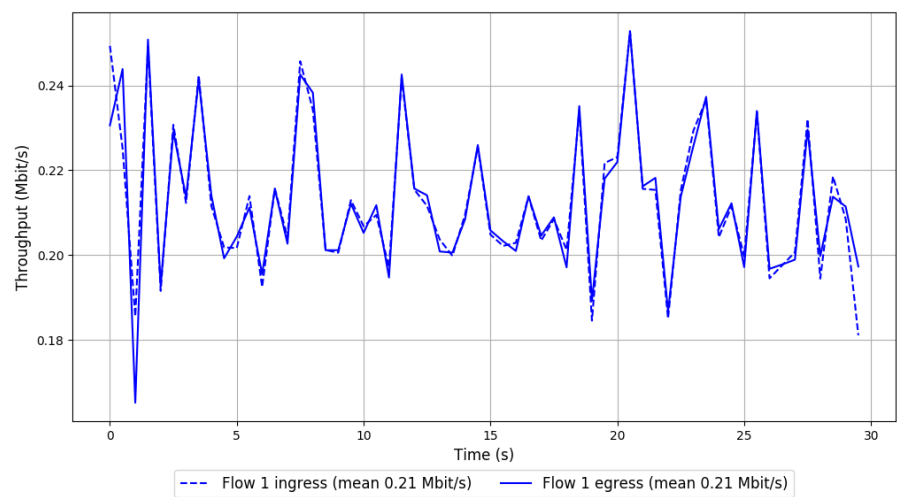
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2018-01-09 00:38:47
End at: 2018-01-09 00:39:17
Local clock offset: 1.588 ms
Remote clock offset: -2.982 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.14%
```

Run 8: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.20 Mbit/s) --- Flow 1 egress (mean 0.20 Mbit/s)

Flow 1 (95th percentile 31.16 ms)

```
Run 9: Statistics of SCReAM

Start at: 2018-01-09 00:59:56
End at: 2018-01-09 01:00:27
Local clock offset: 1.423 ms
Remote clock offset: -3.229 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.338 ms
Loss rate: 0.00%
```
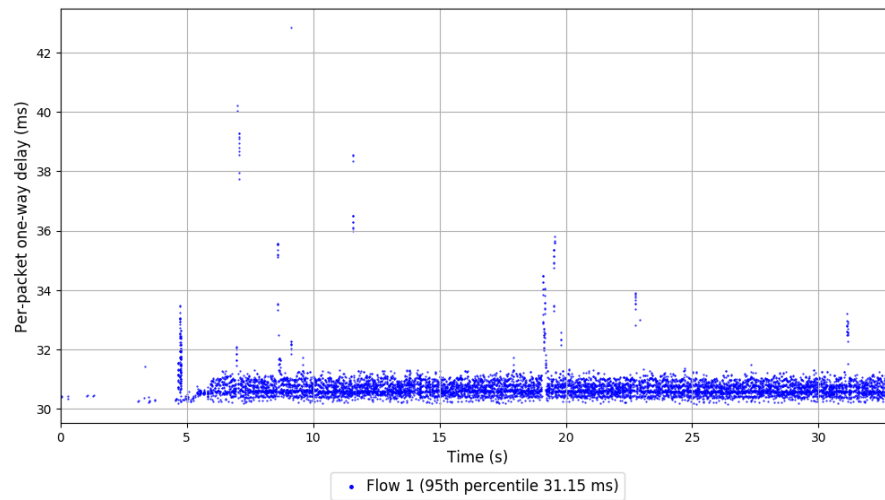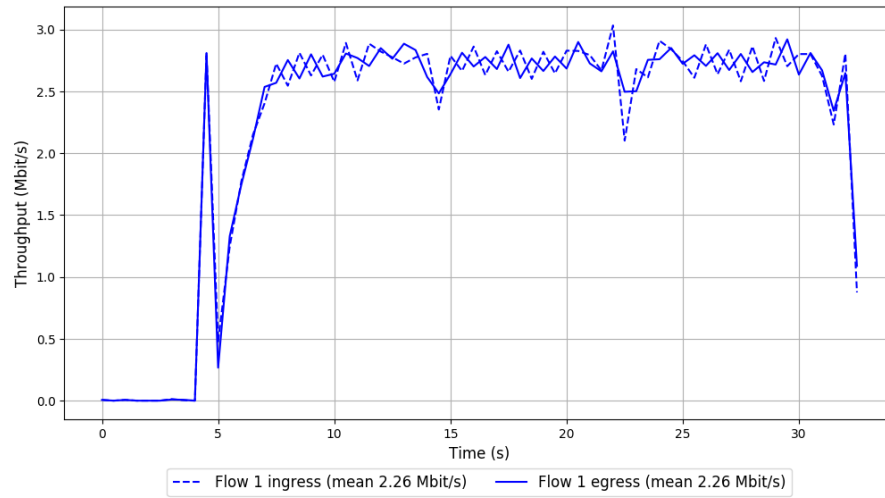
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2018-01-09 01:22:18
End at: 2018-01-09 01:22:48
Local clock offset: 1.376 ms
Remote clock offset: -1.745 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.072 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

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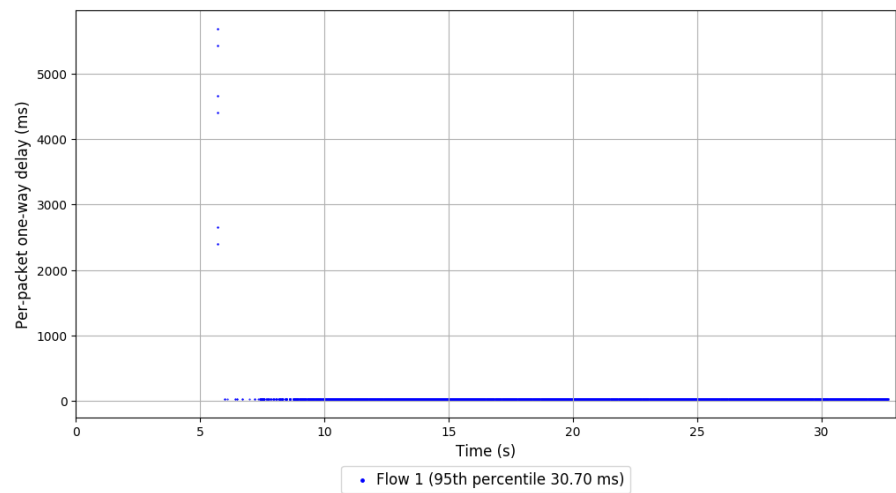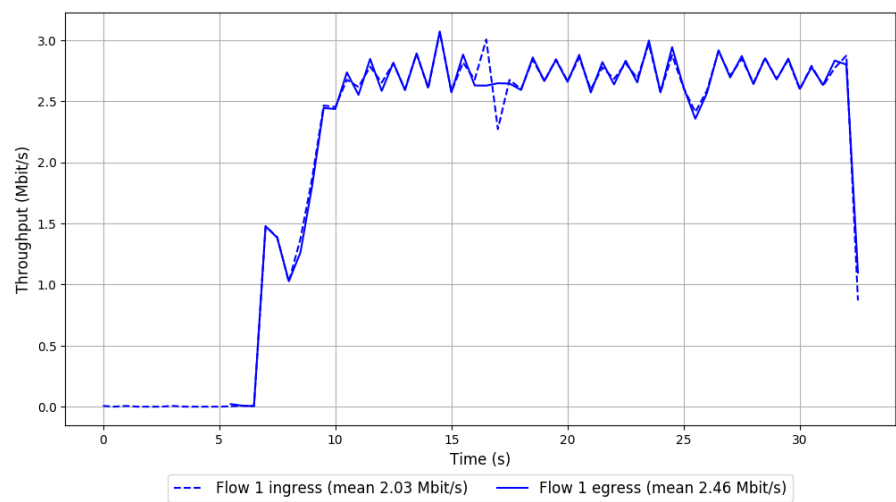

Flow 1 (95th percentile 31.07 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2018-01-08 22:18:42
End at: 2018-01-08 22:19:12
Local clock offset: 1.678 ms
Remote clock offset: -1.711 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 31.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 31.153 ms
Loss rate: 0.00%
```
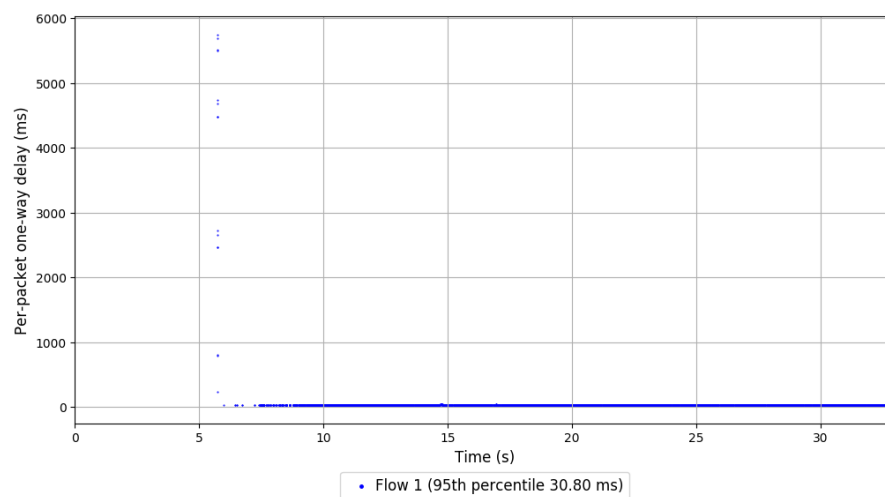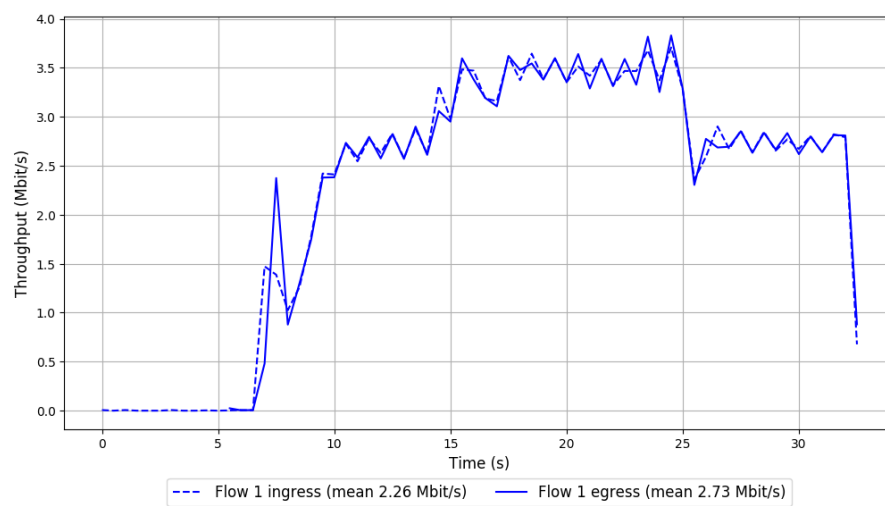
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-01-08 22:38:51
End at: 2018-01-08 22:39:21
Local clock offset: 1.578 ms
Remote clock offset: -1.224 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 30.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 30.697 ms
Loss rate: 0.00%
```
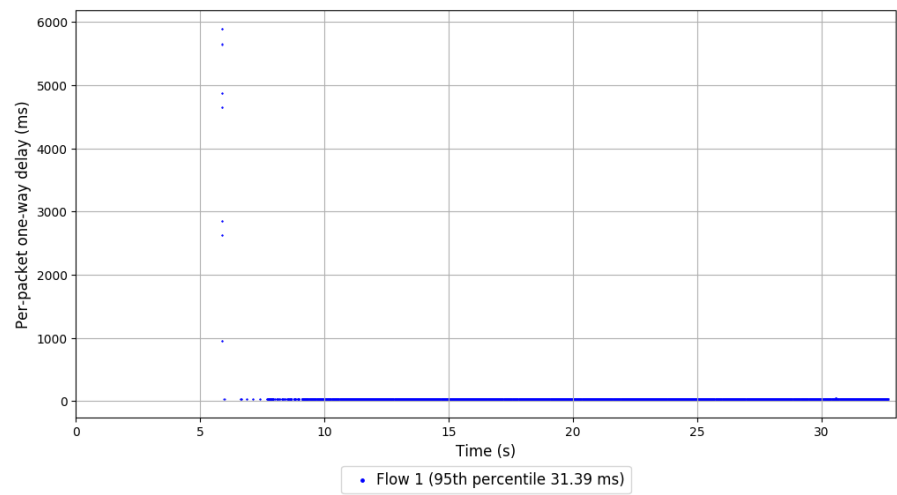
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-01-08 22:58:53
End at: 2018-01-08 22:59:23
Local clock offset: 1.345 ms
Remote clock offset: -1.762 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 30.799 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 30.799 ms
Loss rate: 0.16%
```
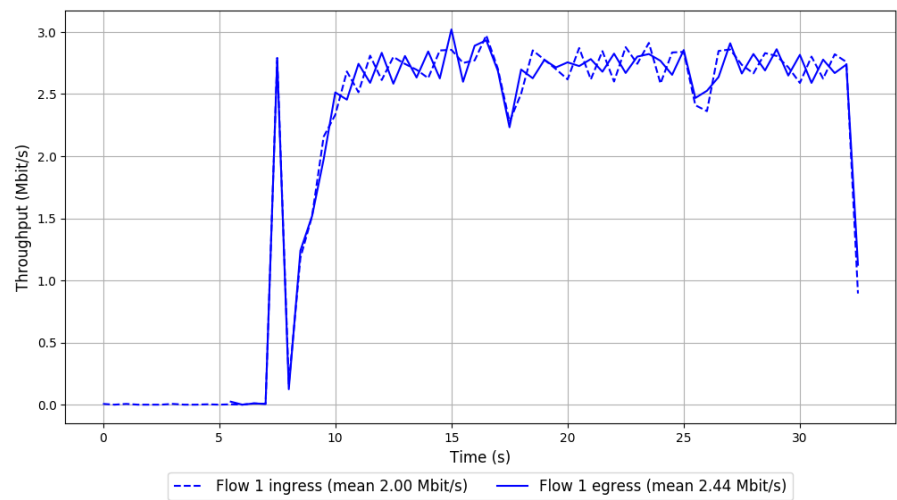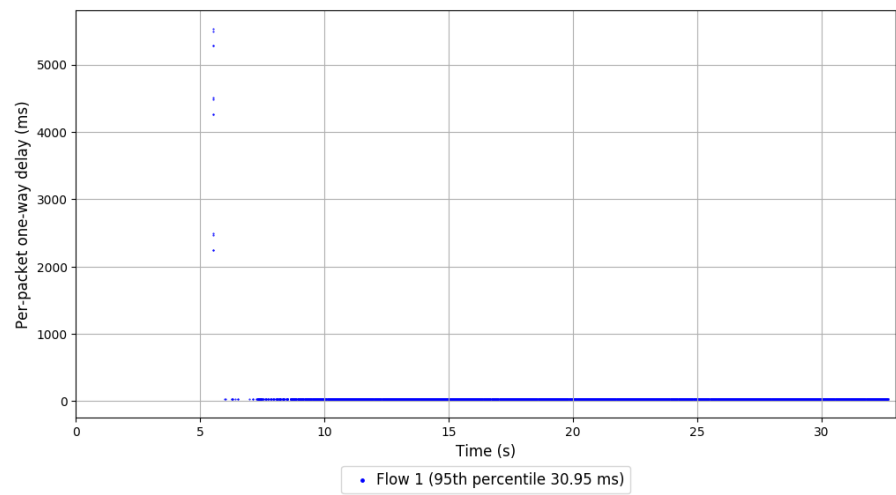
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-01-08 23:19:03
End at: 2018-01-08 23:19:33
Local clock offset: 1.194 ms
Remote clock offset: -2.815 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 31.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 31.394 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.00 Mbit/s) --- Flow 1 egress (mean 2.44 Mbit/s)

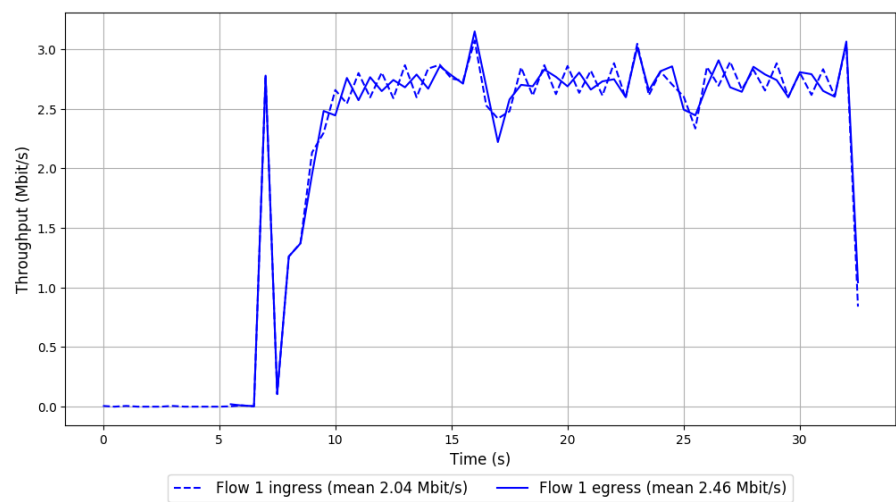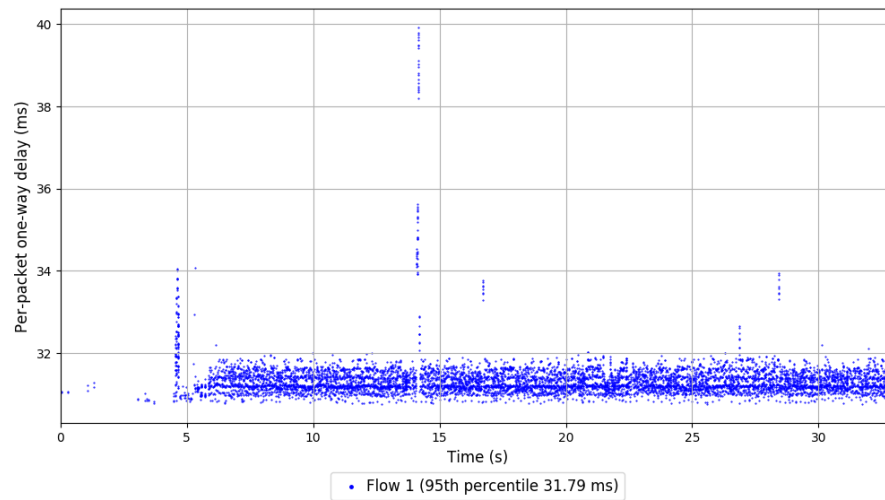

• Flow 1 (95th percentile 31.39 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2018-01-08 23:39:04
End at: 2018-01-08 23:39:34
Local clock offset: 1.227 ms
Remote clock offset: -2.592 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 30.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 30.951 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.04 Mbit/s)　　Flow 1 egress (mean 2.46 Mbit/s)

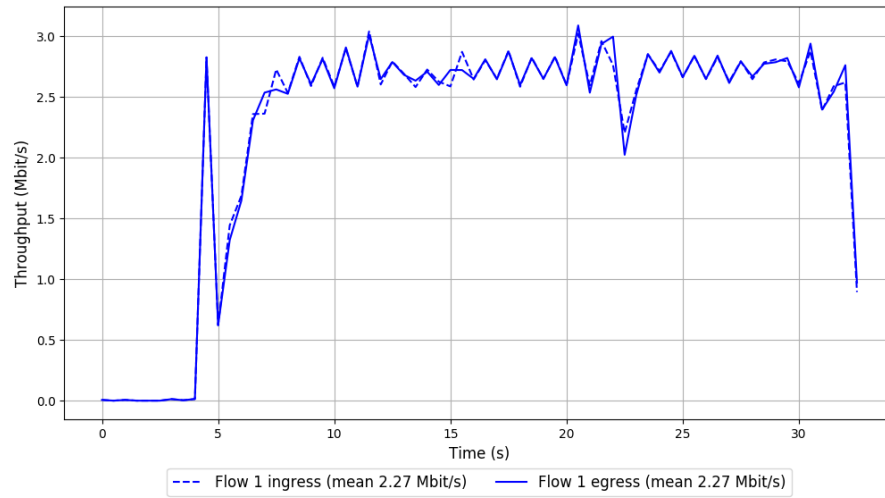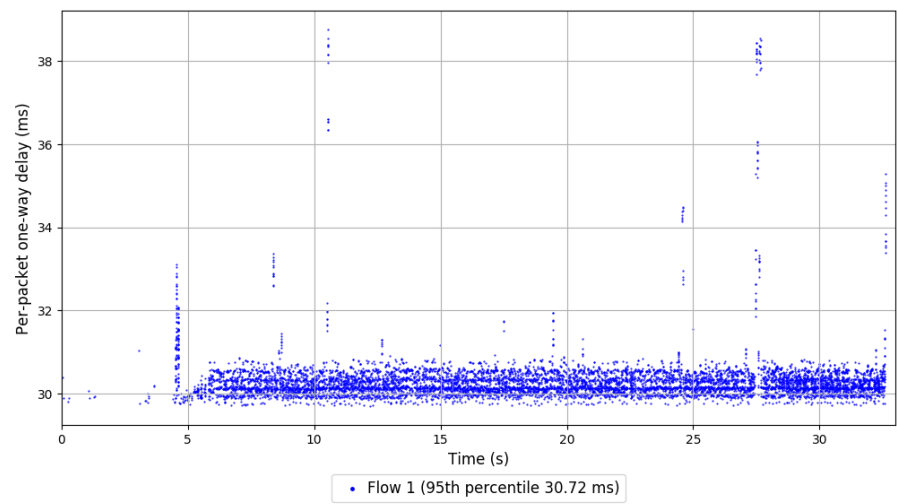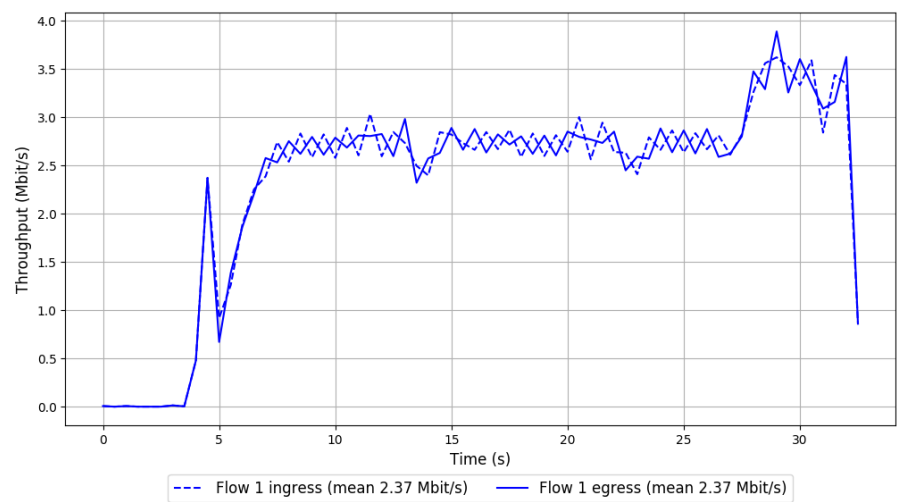Flow 1 (95th percentile 30.95 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-01-08 23:59:22
End at: 2018-01-08 23:59:52
Local clock offset: 1.286 ms
Remote clock offset: -2.279 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.786 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.27 Mbit/s) ----   Flow 1 egress (mean 2.27 Mbit/s) ——

Flow 1 (95th percentile 31.79 ms)

135

```
Run 7: Statistics of WebRTC media

Start at: 2018-01-09 00:20:30
End at: 2018-01-09 00:21:00
Local clock offset: 1.429 ms
Remote clock offset: -2.711 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 30.722 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 30.722 ms
Loss rate: 0.01%
```
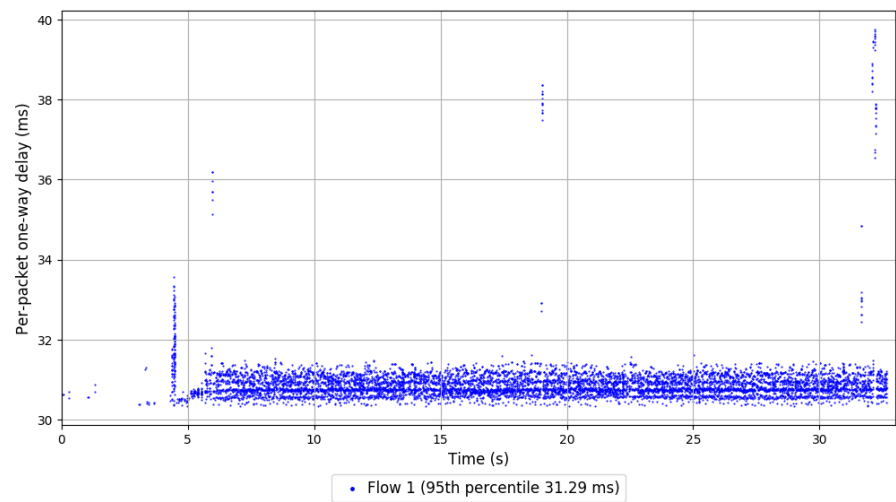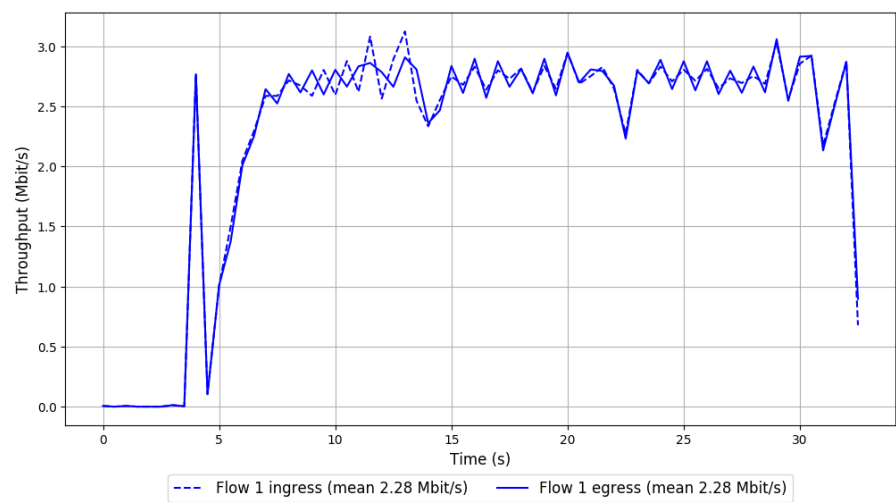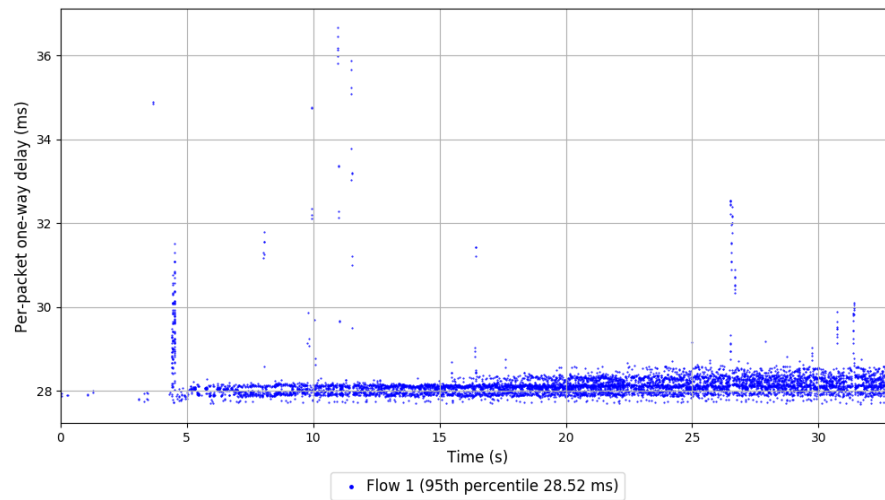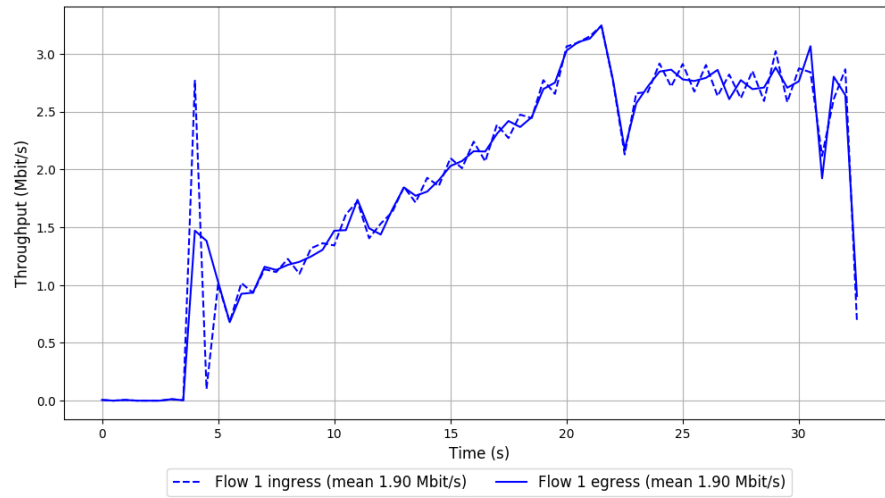
Run 7: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.37 Mbit/s) ---- Flow 1 egress (mean 2.37 Mbit/s) ——

Flow 1 (95th percentile 30.72 ms)

```
Run 8: Statistics of WebRTC media

Start at: 2018-01-09 00:41:34
End at: 2018-01-09 00:42:04
Local clock offset: 1.6 ms
Remote clock offset: -3.423 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 31.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 31.288 ms
Loss rate: 0.00%
```
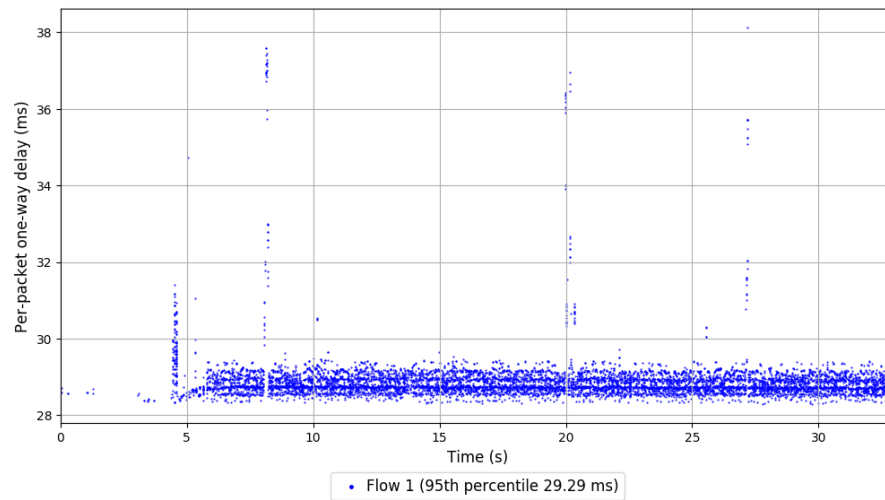
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-01-09 01:02:40
End at: 2018-01-09 01:03:10
Local clock offset: 1.368 ms
Remote clock offset: -5.163 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 28.519 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 28.519 ms
Loss rate: 0.01%
```
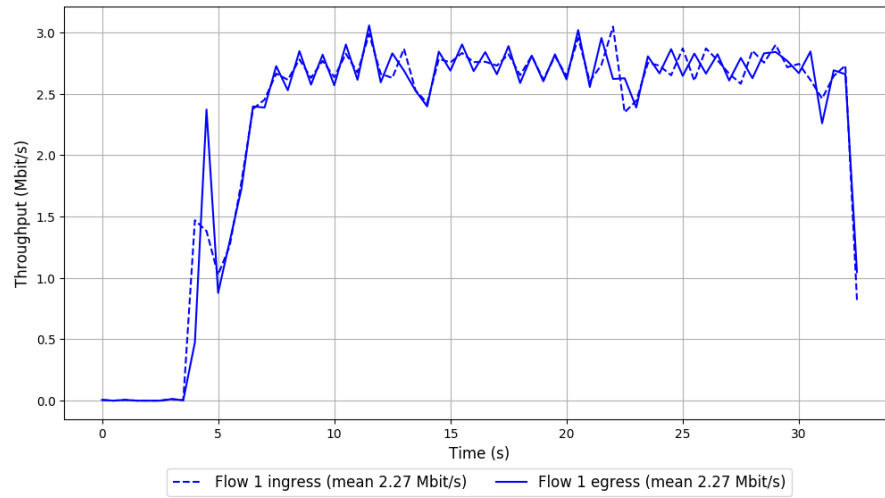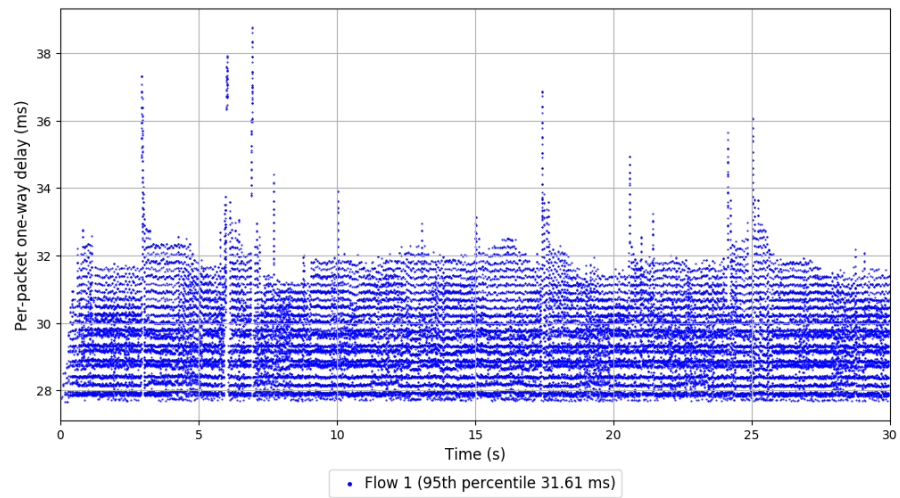
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-01-09 01:25:01
End at: 2018-01-09 01:25:31
Local clock offset: 1.266 ms
Remote clock offset: -4.005 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 29.292 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 29.292 ms
Loss rate: 0.01%
```

Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.27 Mbit/s)   Flow 1 egress (mean 2.27 Mbit/s)
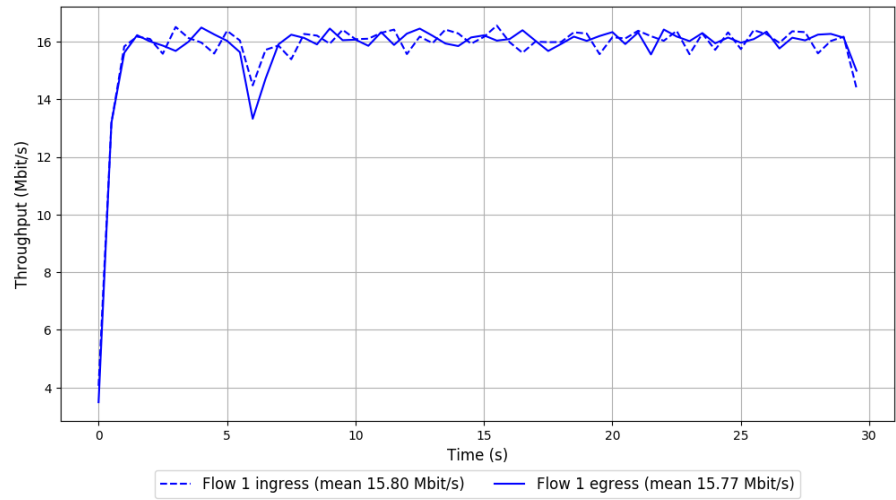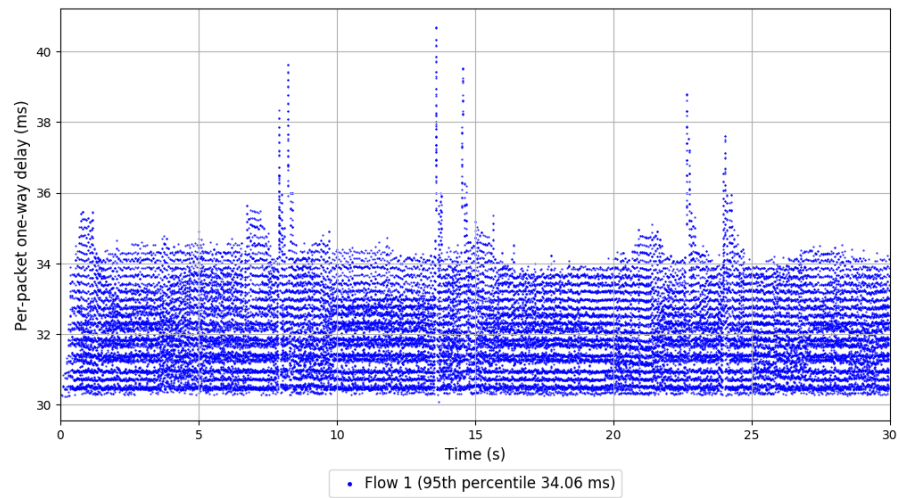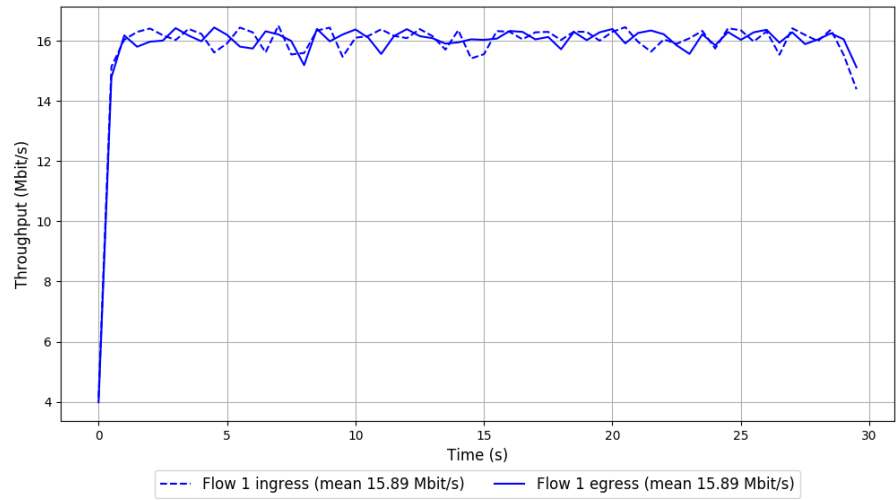

Flow 1 (95th percentile 29.29 ms)

```
Run 1: Statistics of Sprout

Start at: 2018-01-08 22:19:58
End at: 2018-01-08 22:20:28
Local clock offset: 1.626 ms
Remote clock offset: -3.712 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 31.608 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 31.608 ms
Loss rate: 0.19%
```

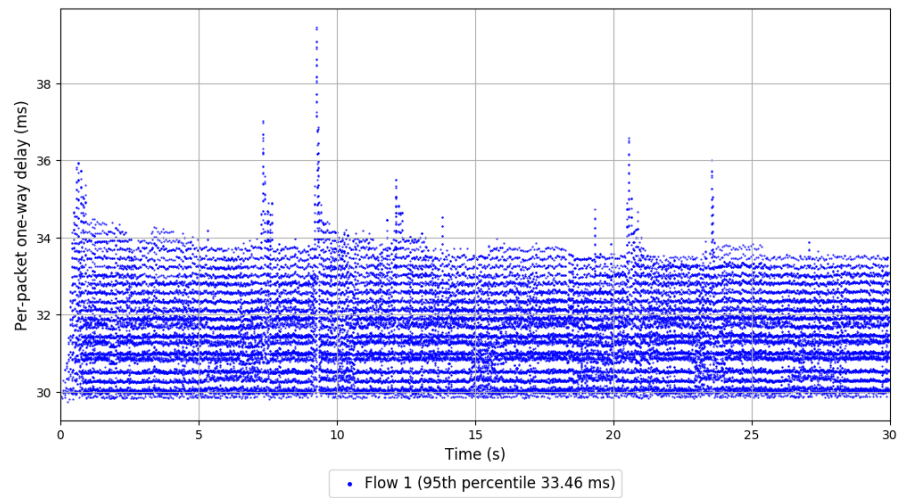Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-01-08 22:40:07
End at: 2018-01-08 22:40:37
Local clock offset: 1.605 ms
Remote clock offset: -0.913 ms


# Below is generated by plot.py at 2018-01-09 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 34.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 34.065 ms
Loss rate: 0.00%
```

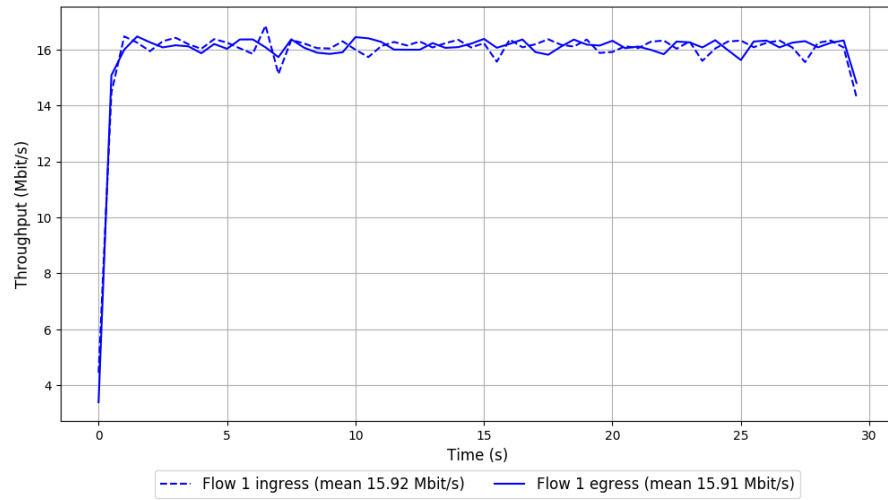## Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2018-01-08 23:00:09
End at: 2018-01-08 23:00:39
Local clock offset: 1.326 ms
Remote clock offset: -1.983 ms


# Below is generated by plot.py at 2018-01-09 02:29:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 33.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 33.462 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 15.92 Mbit/s)   Flow 1 egress (mean 15.91 Mbit/s)

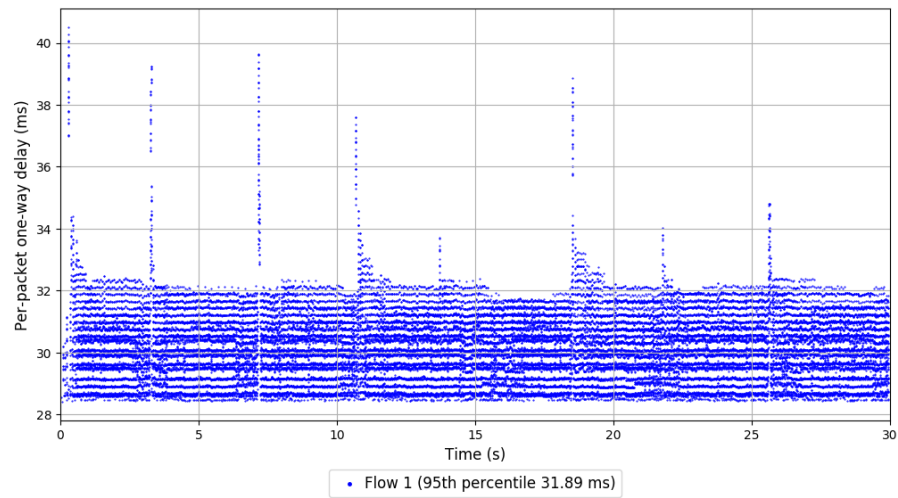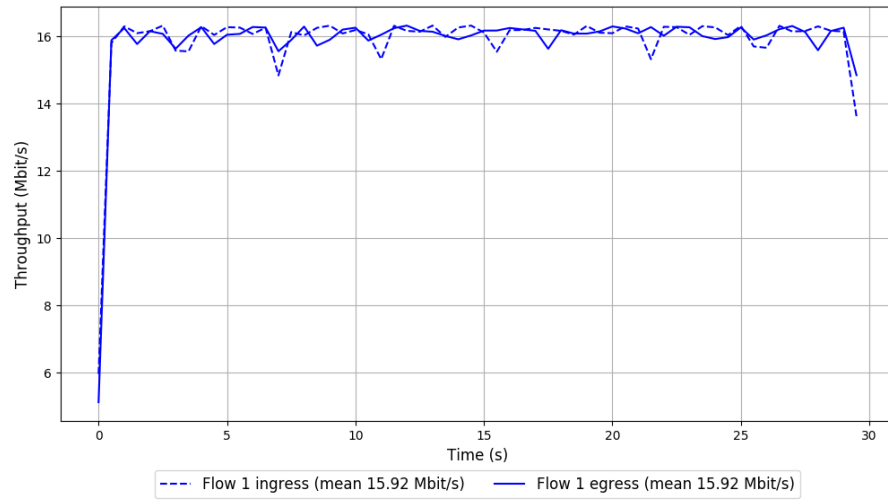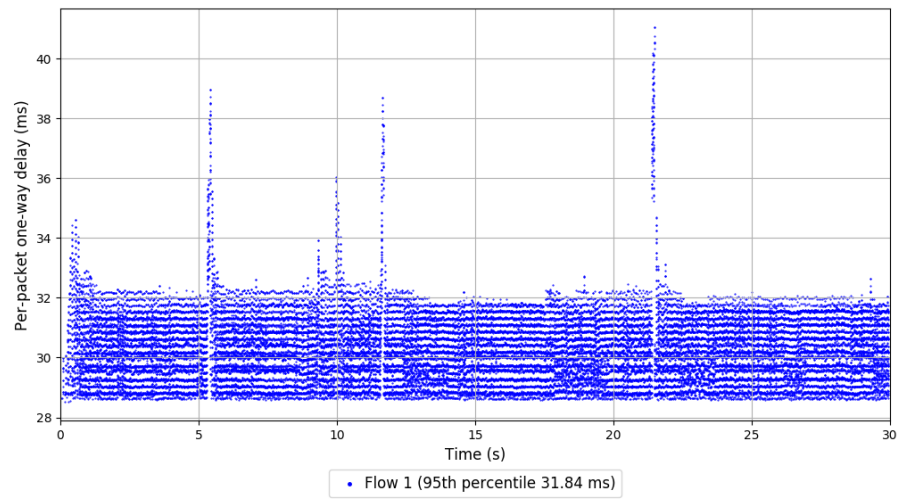• Flow 1 (95th percentile 33.46 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-01-08 23:20:20
End at: 2018-01-08 23:20:50
Local clock offset: 1.263 ms
Remote clock offset: -4.993 ms


# Below is generated by plot.py at 2018-01-09 02:29:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 31.893 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 31.893 ms
Loss rate: 0.01%
```

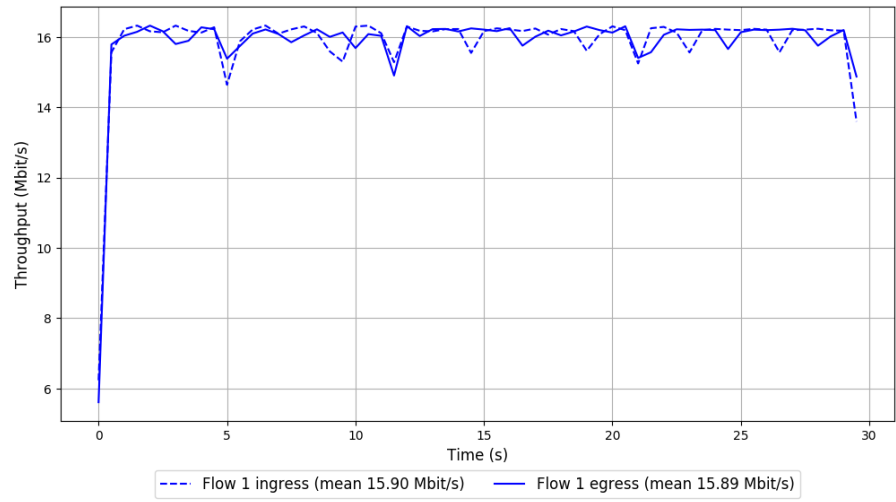## Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2018-01-08 23:40:20
End at: 2018-01-08 23:40:50
Local clock offset: 1.119 ms
Remote clock offset: -5.001 ms


# Below is generated by plot.py at 2018-01-09 02:29:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 31.835 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 31.835 ms
Loss rate: 0.03%
```

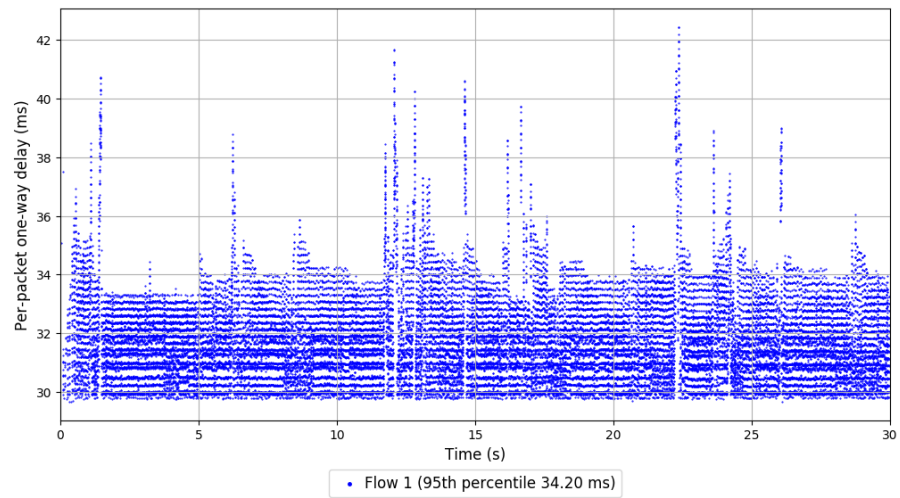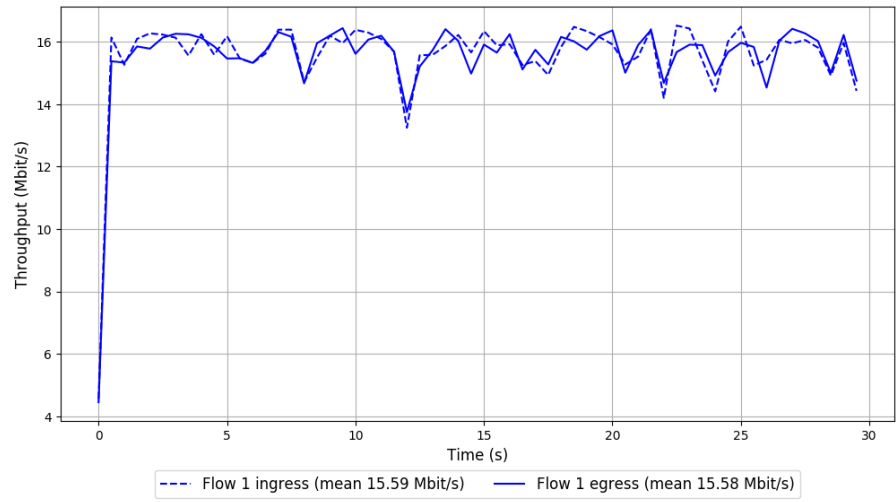## Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2018-01-09 00:00:38
End at: 2018-01-09 00:01:08
Local clock offset: 1.279 ms
Remote clock offset: -2.841 ms


# Below is generated by plot.py at 2018-01-09 02:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 34.205 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 34.205 ms
Loss rate: 0.12%
```

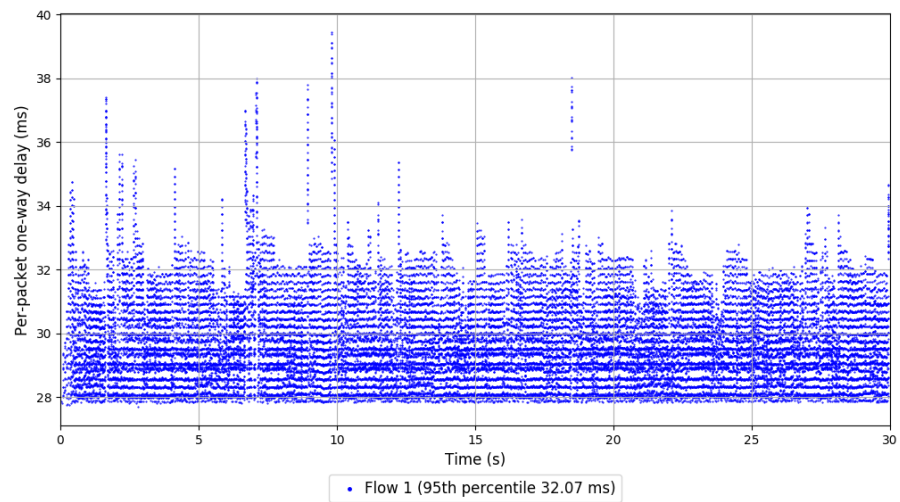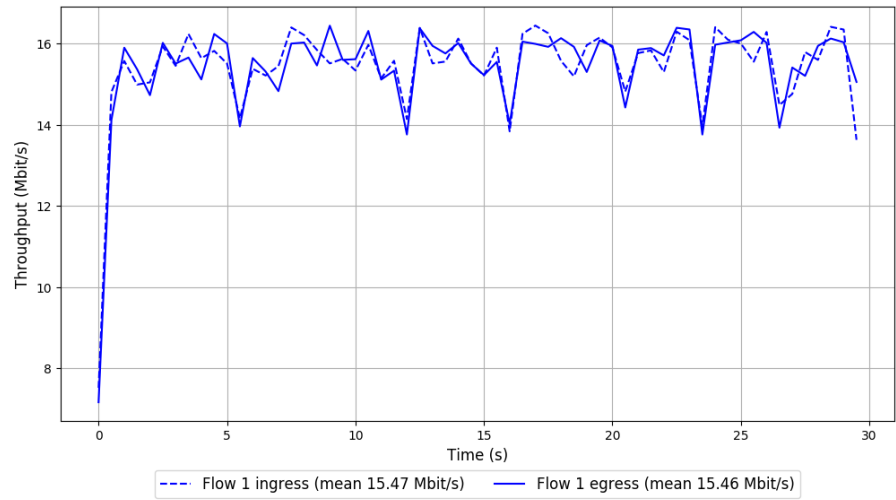## Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2018-01-09 00:21:46
End at: 2018-01-09 00:22:16
Local clock offset: 1.365 ms
Remote clock offset: -4.921 ms


# Below is generated by plot.py at 2018-01-09 02:29:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 32.071 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 32.071 ms
Loss rate: 0.03%
```

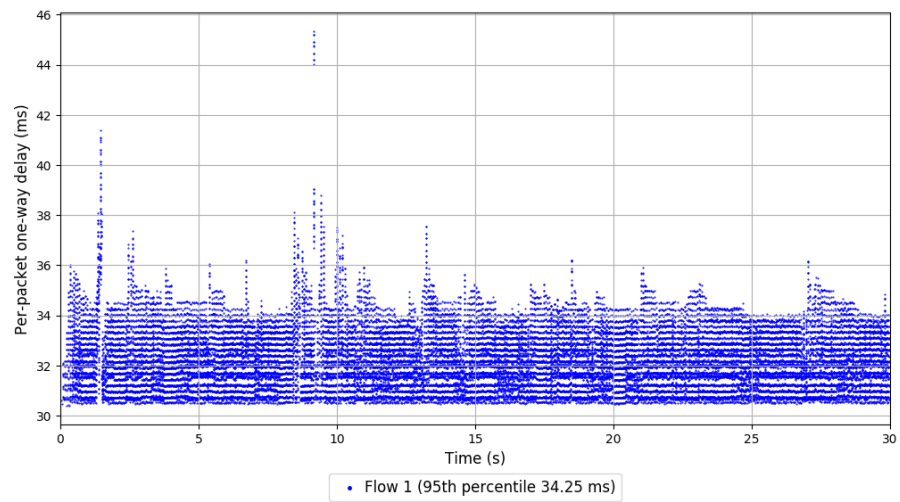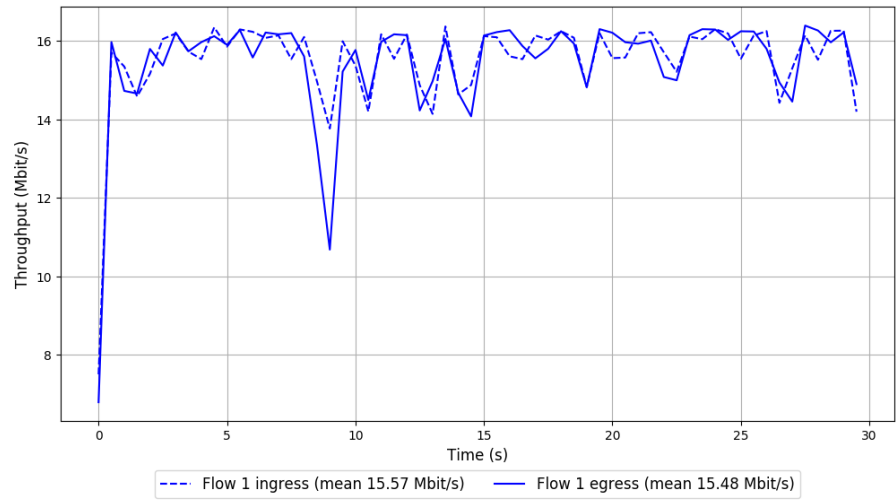Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2018-01-09 00:42:50
End at: 2018-01-09 00:43:20
Local clock offset: 1.587 ms
Remote clock offset: -3.536 ms


# Below is generated by plot.py at 2018-01-09 02:29:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 34.247 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 34.247 ms
Loss rate: 0.52%
```

Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 15.57 Mbit/s) ---- Flow 1 egress (mean 15.48 Mbit/s) ——

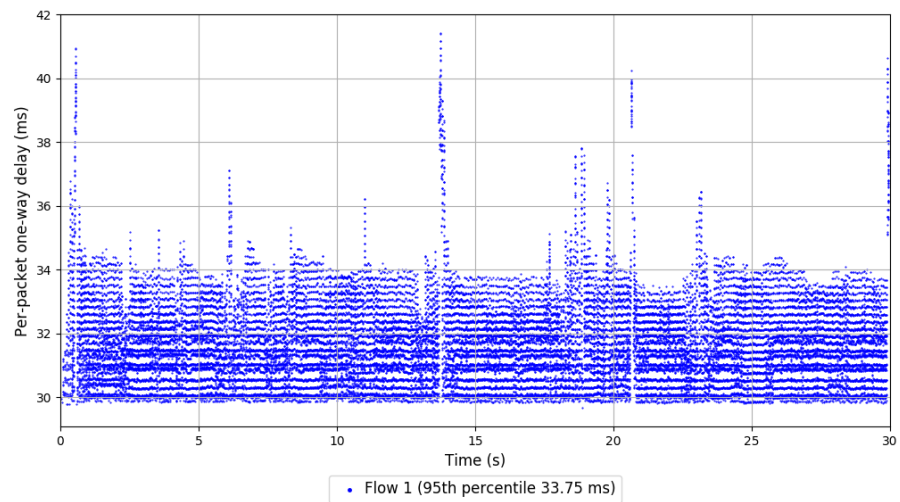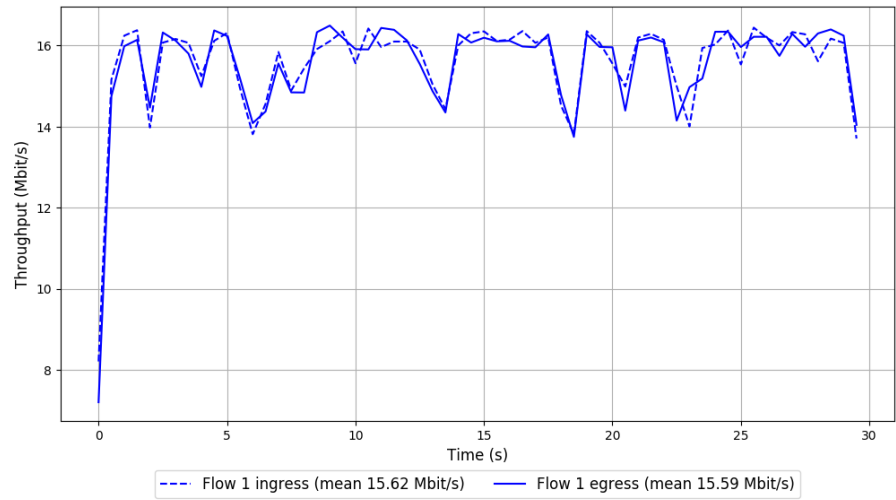

• Flow 1 (95th percentile 34.25 ms)

```
Run 9: Statistics of Sprout

Start at: 2018-01-09 01:03:55
End at: 2018-01-09 01:04:25
Local clock offset: 1.371 ms
Remote clock offset: -3.204 ms


# Below is generated by plot.py at 2018-01-09 02:29:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 33.750 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 33.750 ms
Loss rate: 0.19%
```

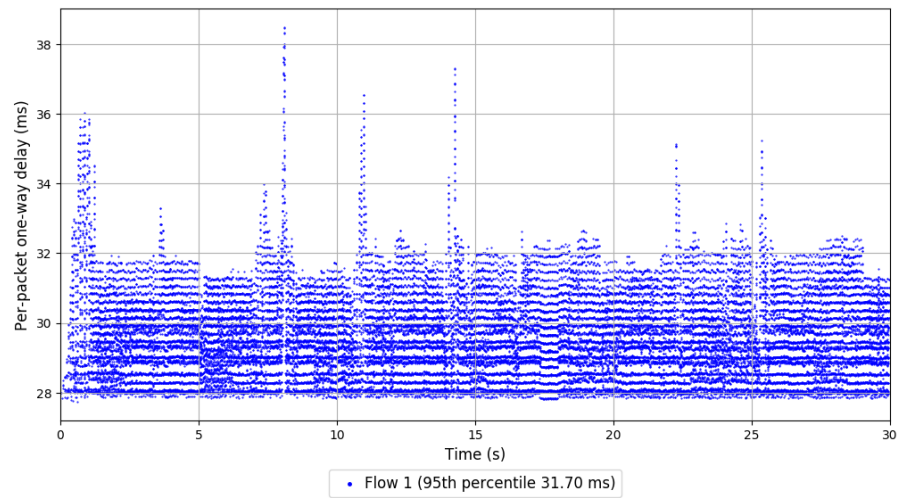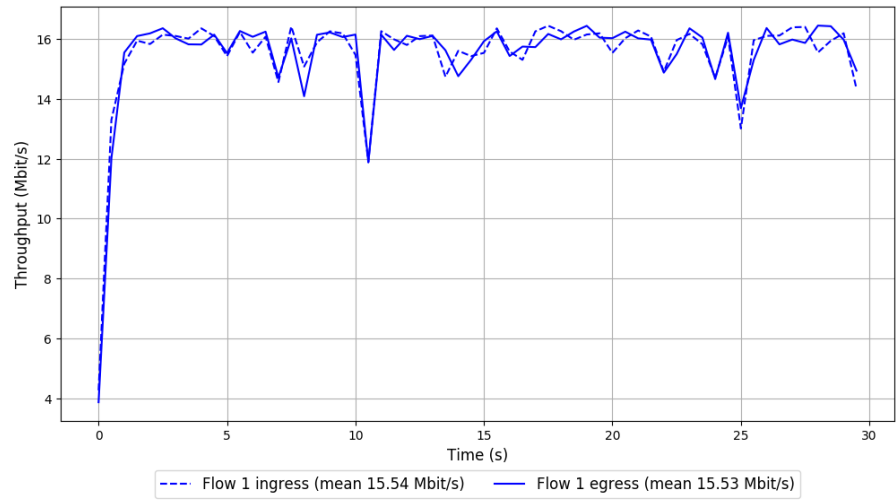Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-01-09 01:26:17
End at: 2018-01-09 01:26:47
Local clock offset: 1.278 ms
Remote clock offset: -3.937 ms


# Below is generated by plot.py at 2018-01-09 02:29:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 31.701 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 31.701 ms
Loss rate: 0.03%
```

Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 15.54 Mbit/s) --- Flow 1 egress (mean 15.53 Mbit/s)

• Flow 1 (95th percentile 31.70 ms)

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

Start at: 2018-01-08 22:29:32
End at: 2018-01-08 22:30:02
Local clock offset: 1.428 ms
Remote clock offset: -1.003 ms


# Below is generated by plot.py at 2018-01-09 02:32:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 42.495 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 42.495 ms
Loss rate: 0.11%
```
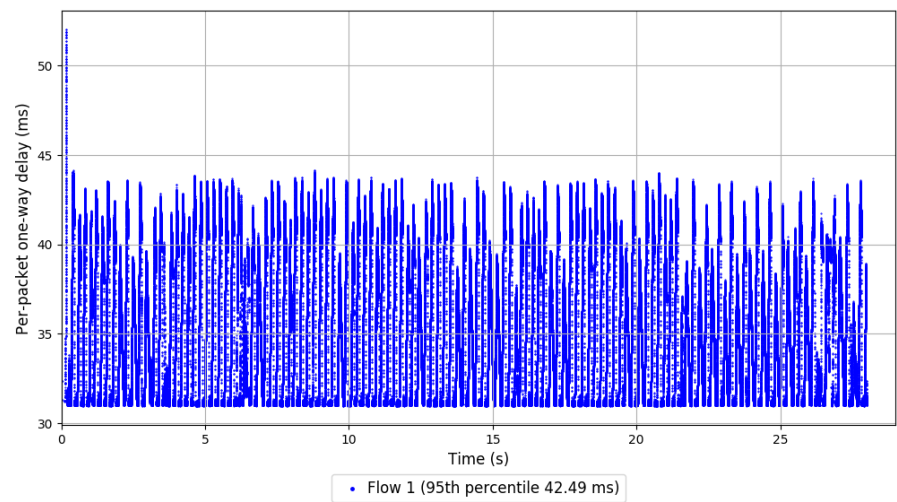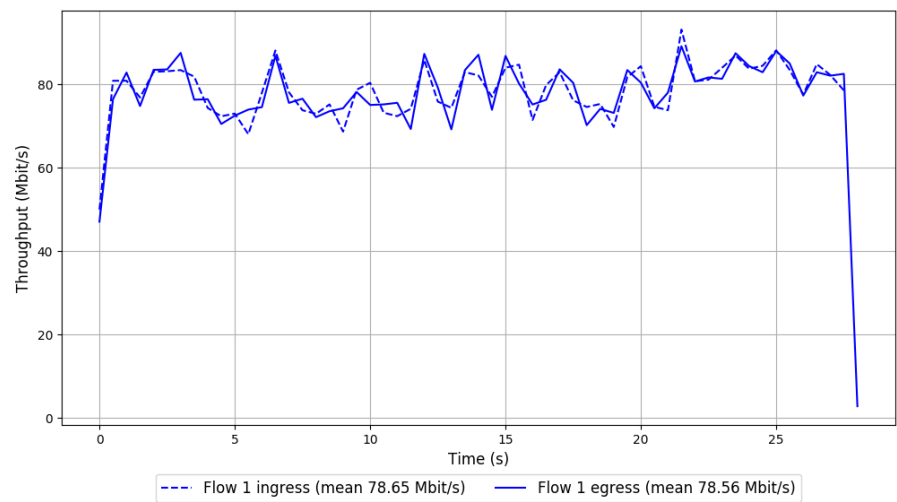
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 78.65 Mbit/s) ----- Flow 1 egress (mean 78.56 Mbit/s) ——

Flow 1 (95th percentile 42.49 ms) •

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

Start at: 2018-01-08 22:49:29
End at: 2018-01-08 22:49:59
Local clock offset: 1.466 ms
Remote clock offset: -0.985 ms


# Below is generated by plot.py at 2018-01-09 02:32:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.62 Mbit/s
95th percentile per-packet one-way delay: 41.674 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.62 Mbit/s
95th percentile per-packet one-way delay: 41.674 ms
Loss rate: 0.06%
```
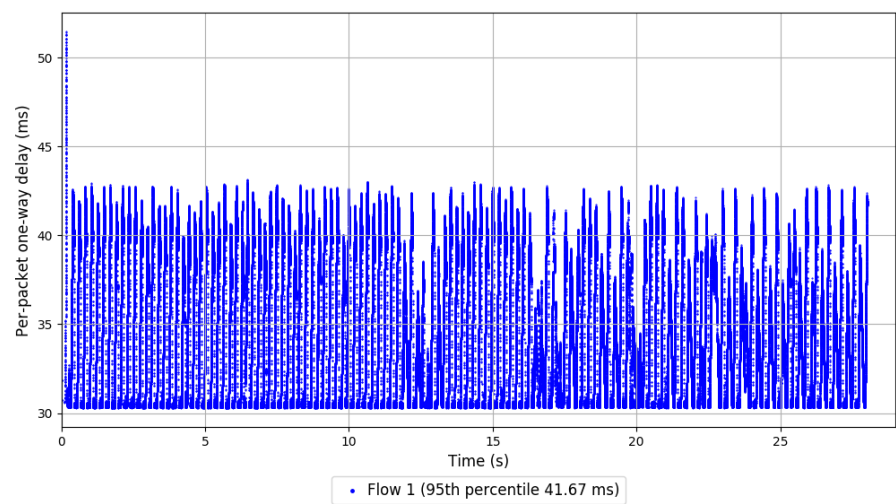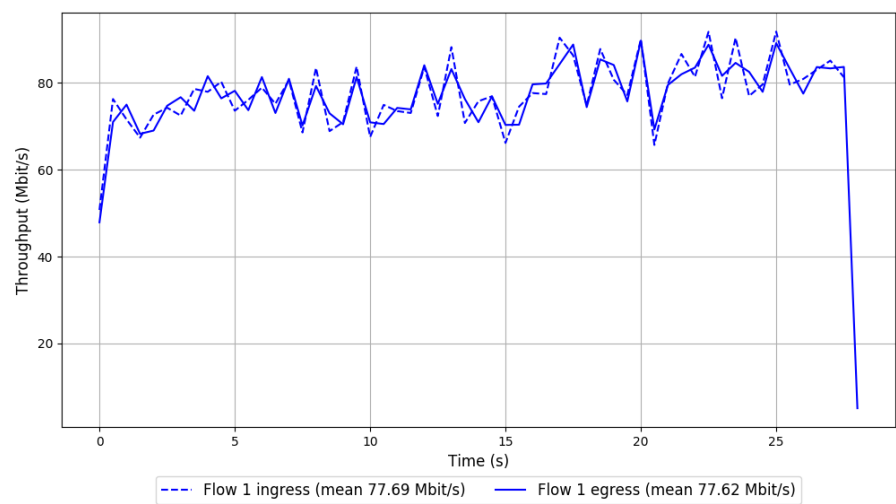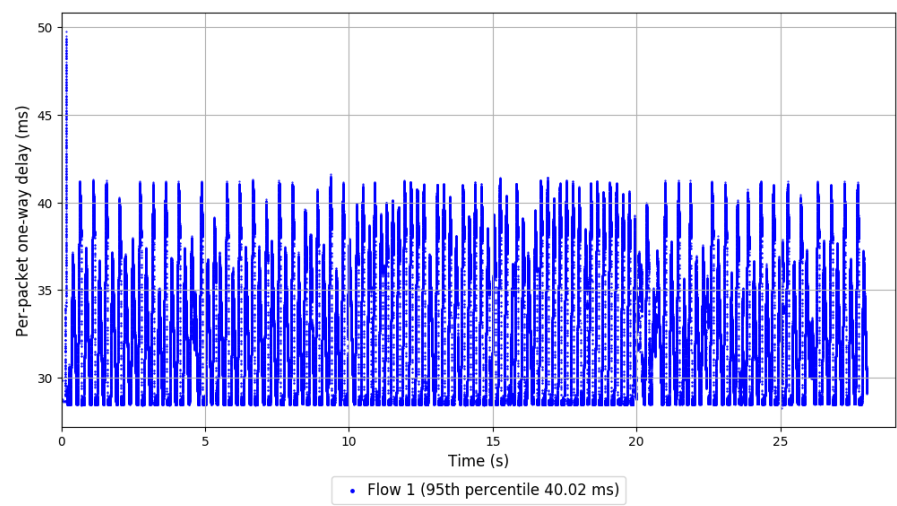
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 77.69 Mbit/s) —— Flow 1 egress (mean 77.62 Mbit/s)

• Flow 1 (95th percentile 41.67 ms)

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

Start at: 2018-01-08 23:09:38
End at: 2018-01-08 23:10:08
Local clock offset: 1.195 ms
Remote clock offset: -4.694 ms


# Below is generated by plot.py at 2018-01-09 02:33:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 40.015 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 40.015 ms
Loss rate: 0.03%
```
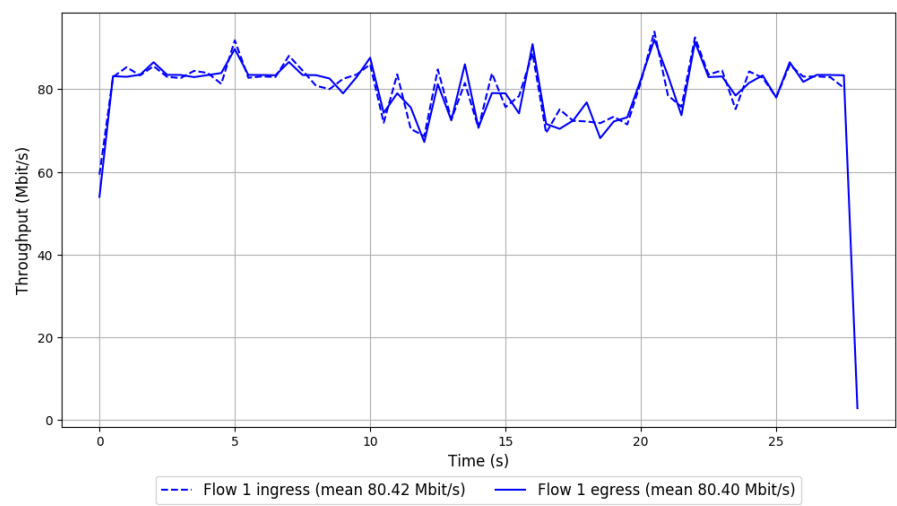
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 80.42 Mbit/s)   Flow 1 egress (mean 80.40 Mbit/s)
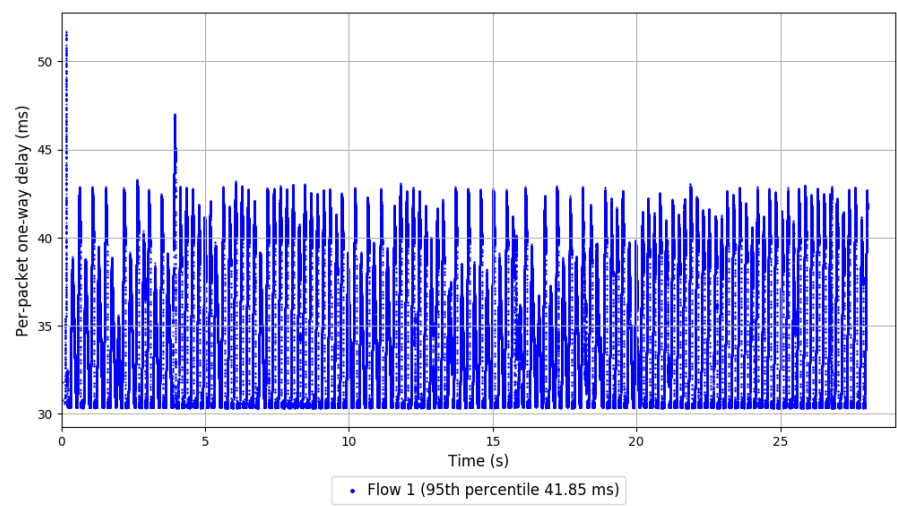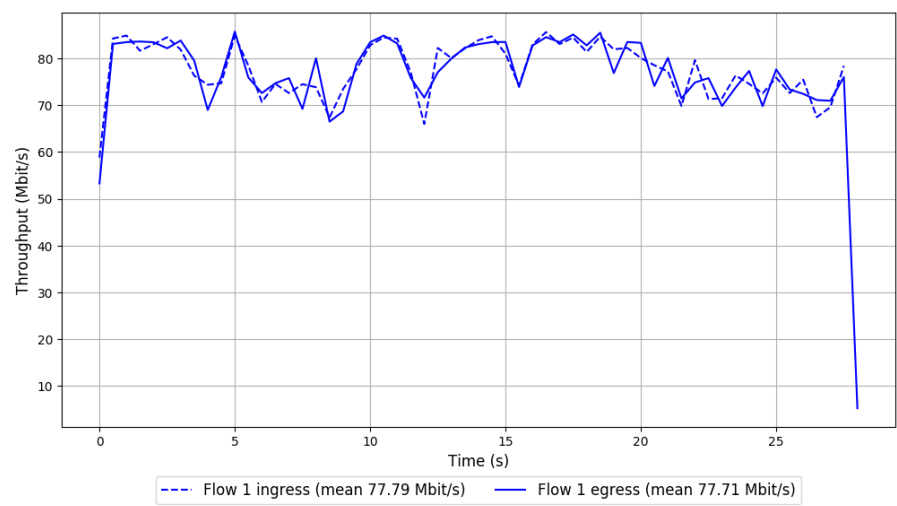

Flow 1 (95th percentile 40.02 ms)

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

Start at: 2018-01-08 23:29:43
End at: 2018-01-08 23:30:13
Local clock offset: 1.19 ms
Remote clock offset: -2.467 ms


# Below is generated by plot.py at 2018-01-09 02:33:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 41.852 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 41.852 ms
Loss rate: 0.07%
```
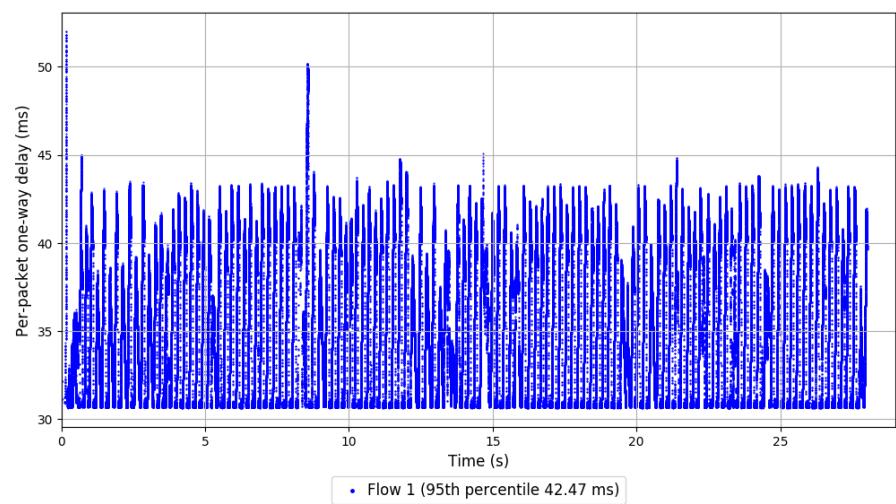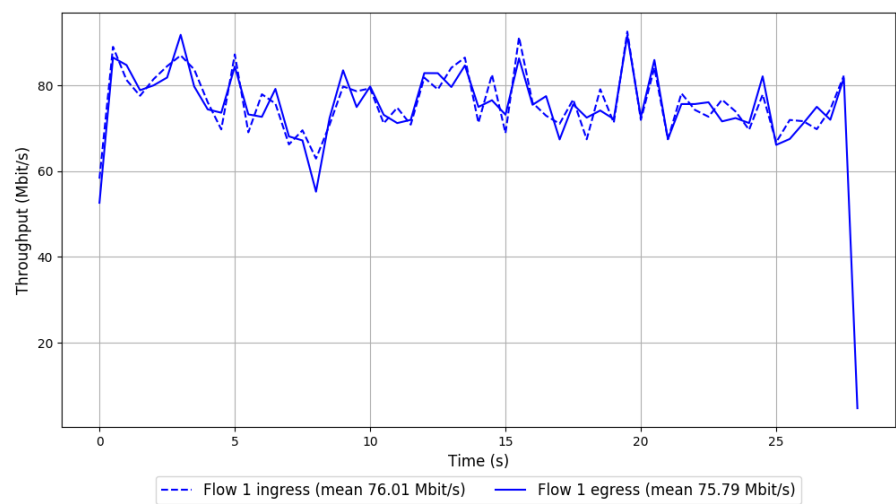
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 77.79 Mbit/s) Flow 1 egress (mean 77.71 Mbit/s)

Flow 1 (95th percentile 41.85 ms)

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

Start at: 2018-01-08 23:49:50
End at: 2018-01-08 23:50:20
Local clock offset: 1.301 ms
Remote clock offset: -2.73 ms


# Below is generated by plot.py at 2018-01-09 02:33:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 42.468 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 42.468 ms
Loss rate: 0.26%
```

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

Flow 1 ingress (mean 76.01 Mbit/s) --- Flow 1 egress (mean 75.79 Mbit/s)

Flow 1 (95th percentile 42.47 ms)
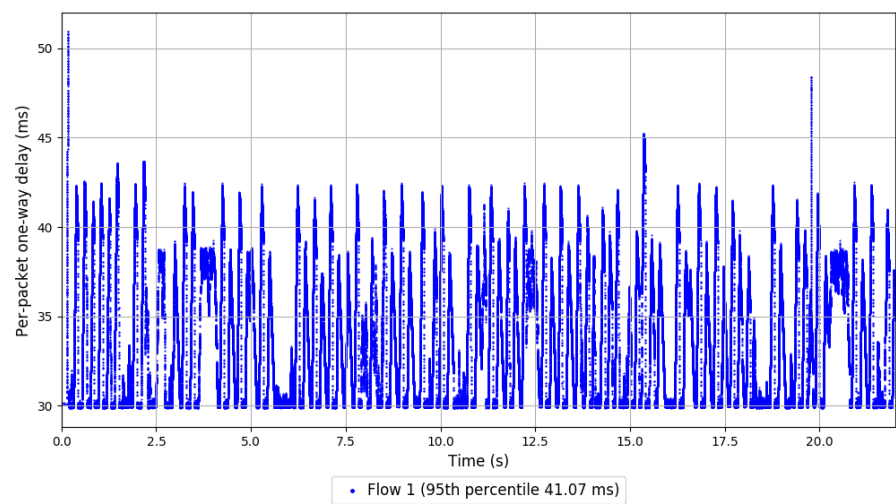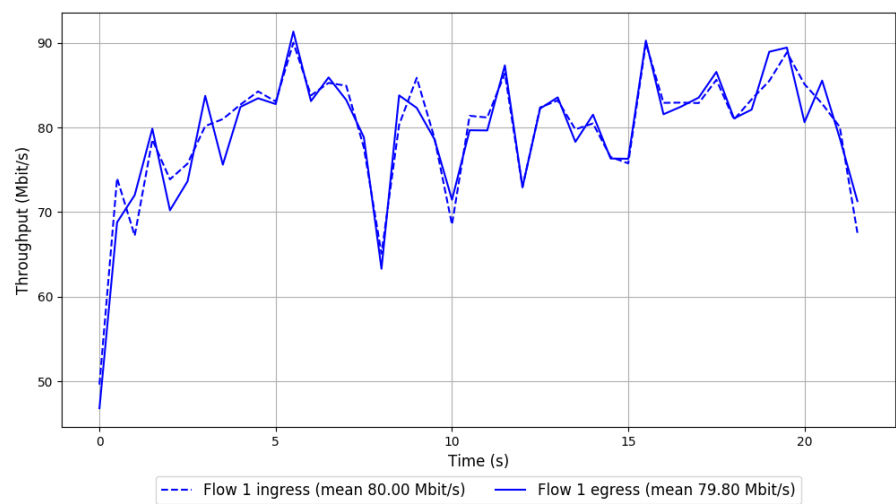
```
Run 6: Statistics of TaoVA-100x

Start at: 2018-01-09 00:10:40
End at: 2018-01-09 00:11:10
Local clock offset: 1.329 ms
Remote clock offset: -2.641 ms
```
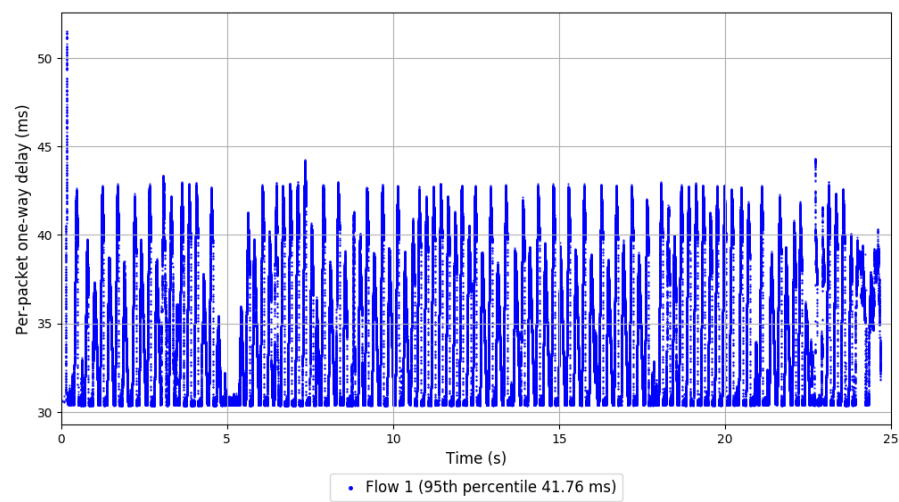
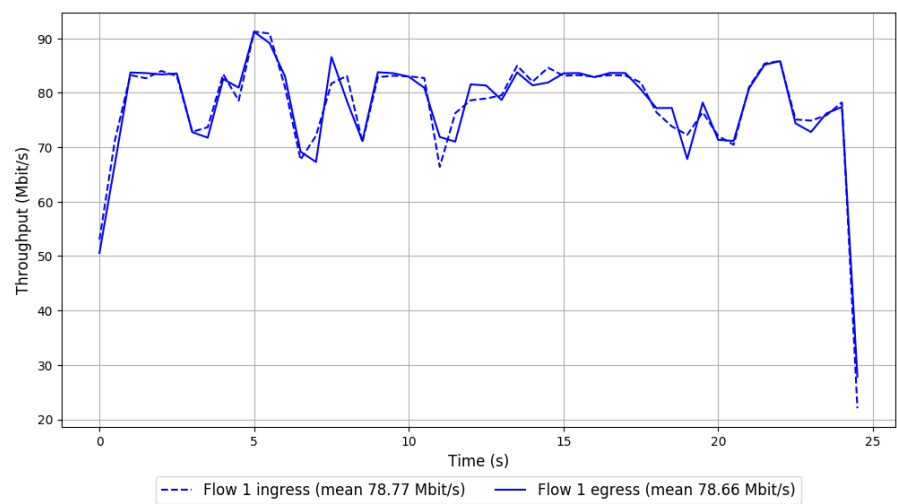# Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 80.00 Mbit/s) ----- Flow 1 egress (mean 79.80 Mbit/s)

• Flow 1 (95th percentile 41.07 ms)

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

Start at: 2018-01-09 00:31:47
End at: 2018-01-09 00:32:17
Local clock offset: 1.59 ms
Remote clock offset: -2.614 ms


# Below is generated by plot.py at 2018-01-09 02:33:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 41.759 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 41.759 ms
Loss rate: 0.13%
```

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

Flow 1 ingress (mean 78.77 Mbit/s) ----   Flow 1 egress (mean 78.66 Mbit/s) ——

Flow 1 (95th percentile 41.76 ms)
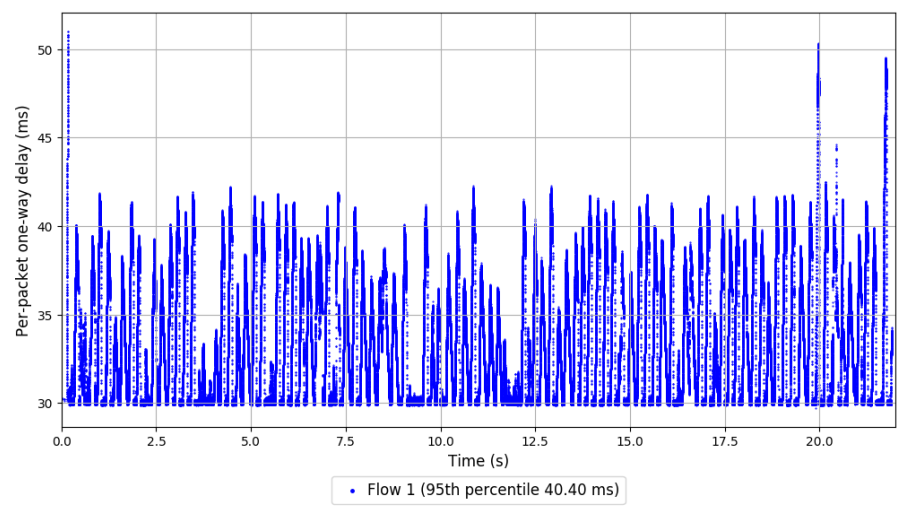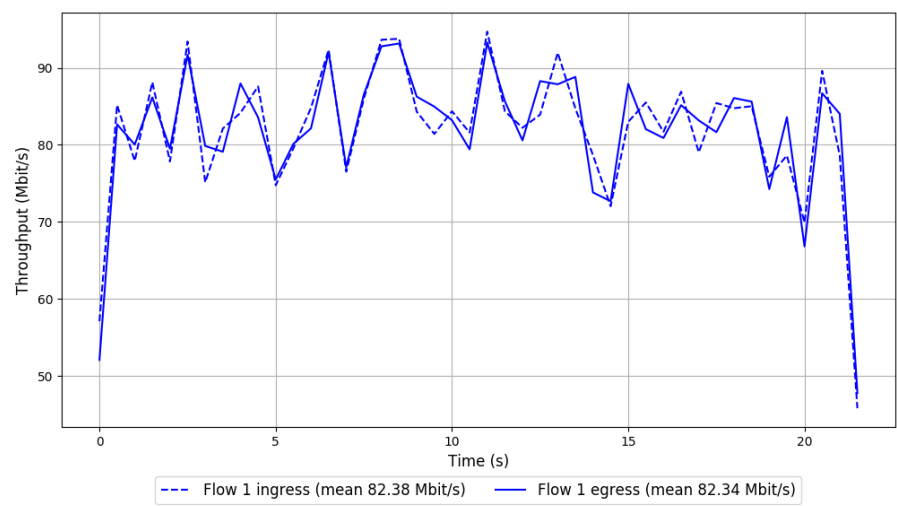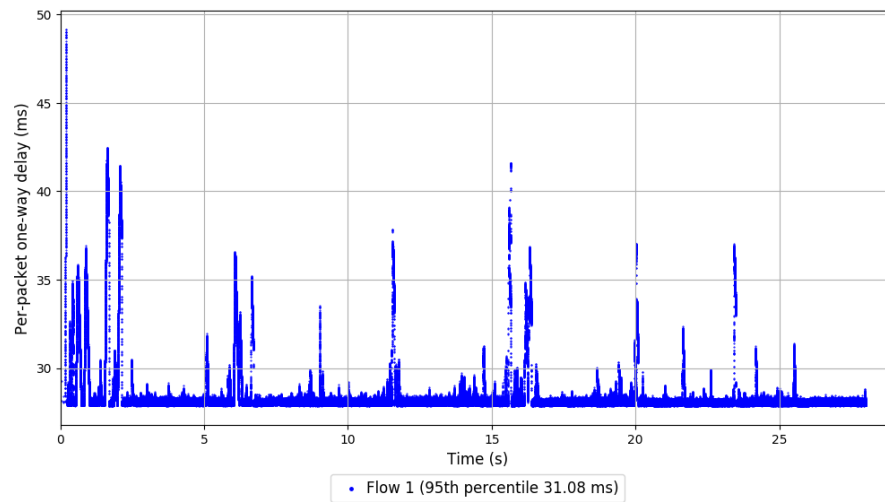
```
Run 8: Statistics of TaoVA-100x

Start at: 2018-01-09 00:52:54
End at: 2018-01-09 00:53:24
Local clock offset: 1.466 ms
Remote clock offset: -3.5 ms
```

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

Flow 1 ingress (mean 82.38 Mbit/s) --- Flow 1 egress (mean 82.34 Mbit/s)

Flow 1 (95th percentile 40.40 ms)

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

Start at: 2018-01-09 01:14:12
End at: 2018-01-09 01:14:42
Local clock offset: 1.321 ms
Remote clock offset: -4.592 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 31.079 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 31.079 ms
Loss rate: 0.03%
```
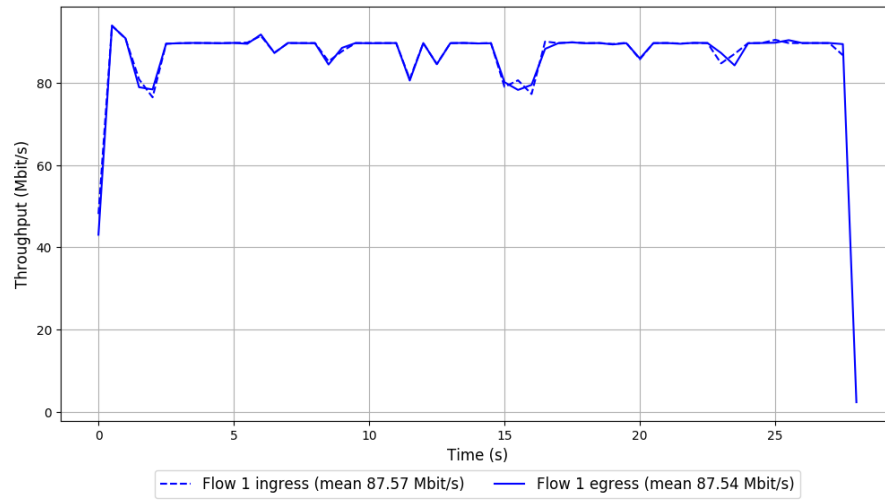
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 87.57 Mbit/s) ----- Flow 1 egress (mean 87.54 Mbit/s)

Flow 1 (95th percentile 31.08 ms)
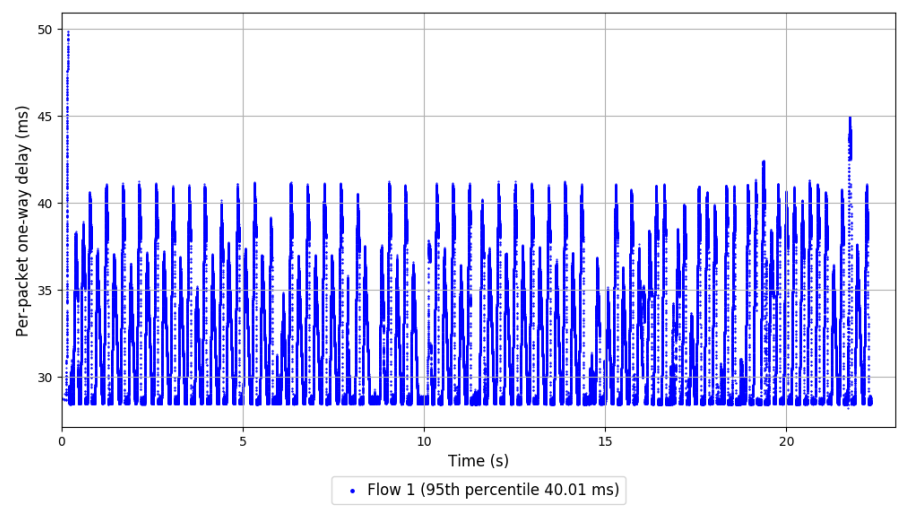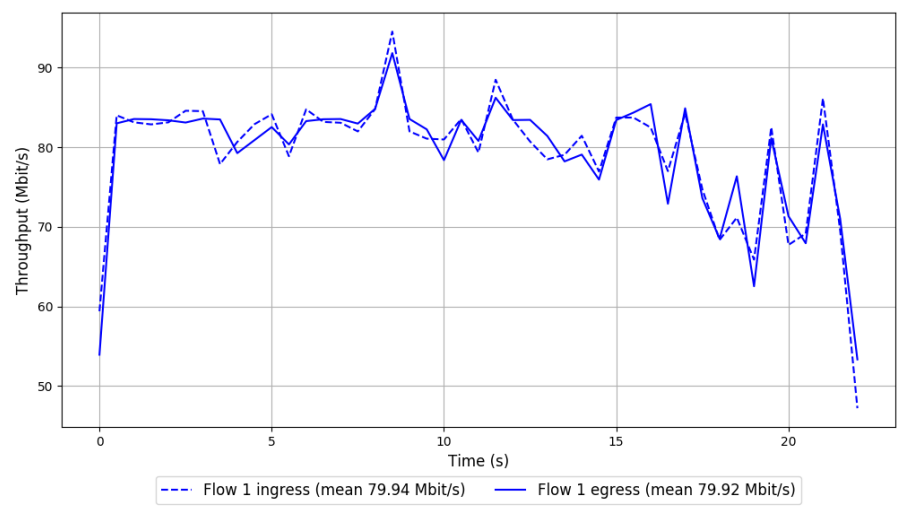
181

Run 10: Statistics of TaoVA-100x

Start at: 2018-01-09 01:36:21
End at: 2018-01-09 01:36:51
Local clock offset: 1.218 ms
Remote clock offset: -3.425 ms

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

```
Run 1: Statistics of TCP Vegas

Start at: 2018-01-08 22:26:47
End at: 2018-01-08 22:27:17
Local clock offset: 1.443 ms
Remote clock offset: -3.604 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: 34.122 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: 34.122 ms
Loss rate: 0.03%
```
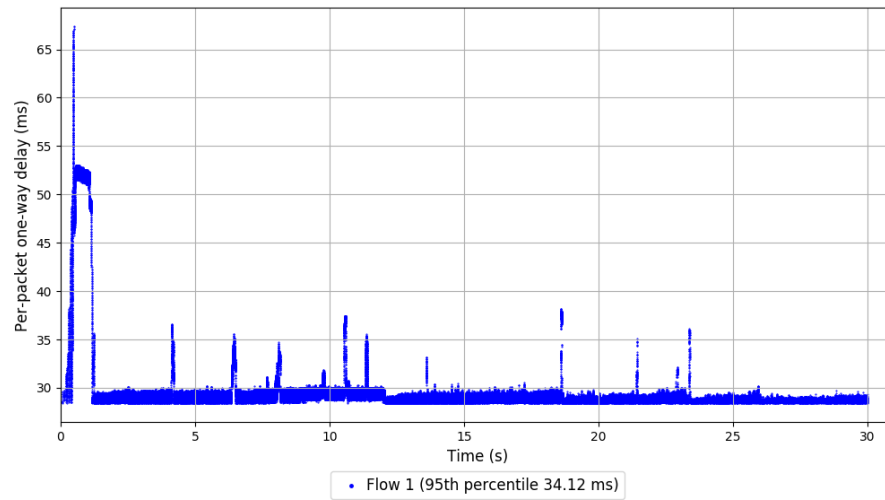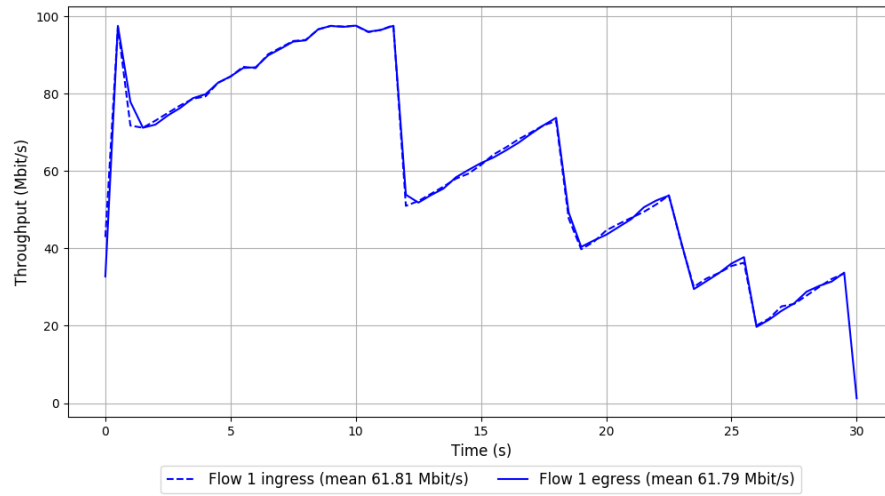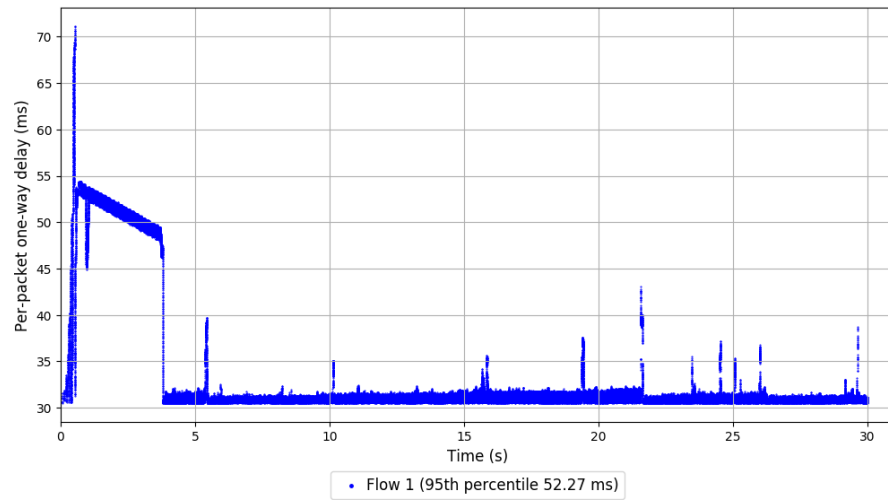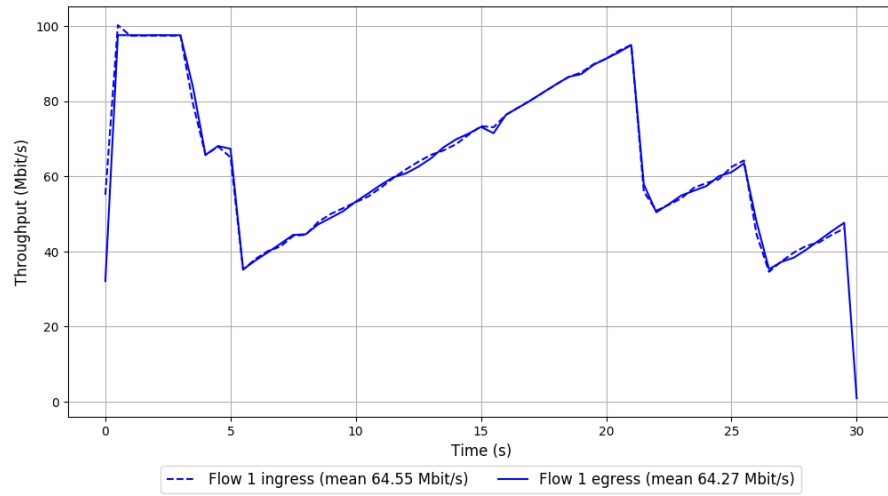
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-01-08 22:46:46
End at: 2018-01-08 22:47:16
Local clock offset: 1.513 ms
Remote clock offset: -1.414 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 52.267 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 52.267 ms
Loss rate: 0.43%
```

Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 64.55 Mbit/s) —— Flow 1 egress (mean 64.27 Mbit/s)

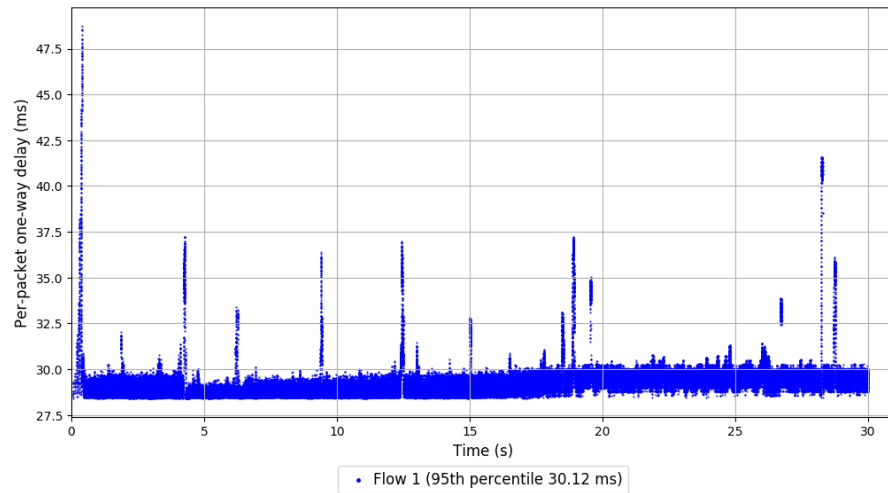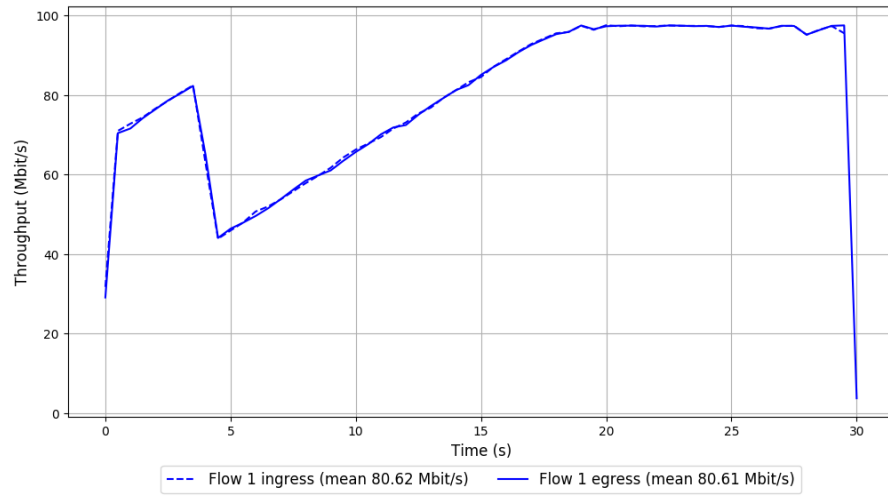• Flow 1 (95th percentile 52.27 ms)

```
Run 3: Statistics of TCP Vegas

Start at: 2018-01-08 23:06:53
End at: 2018-01-08 23:07:23
Local clock offset: 1.308 ms
Remote clock offset: -4.457 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.61 Mbit/s
95th percentile per-packet one-way delay: 30.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.61 Mbit/s
95th percentile per-packet one-way delay: 30.121 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 80.62 Mbit/s)   Flow 1 egress (mean 80.61 Mbit/s)

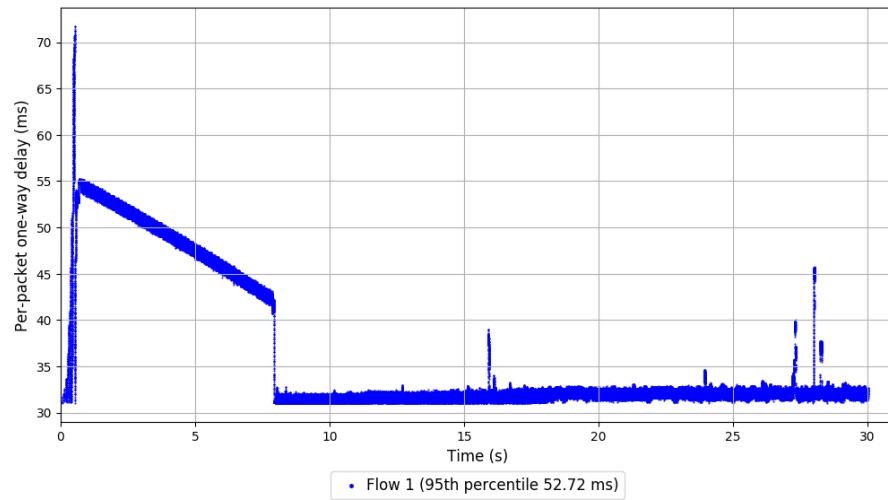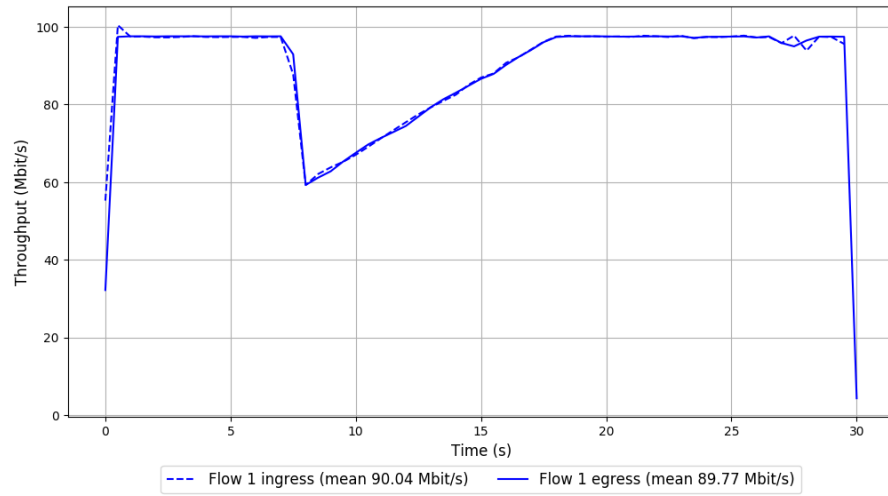Flow 1 (95th percentile 30.12 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-01-08 23:26:59
End at: 2018-01-08 23:27:29
Local clock offset: 1.206 ms
Remote clock offset: -2.458 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 52.715 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 52.715 ms
Loss rate: 0.29%
```

Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 90.04 Mbit/s)   Flow 1 egress (mean 89.77 Mbit/s)
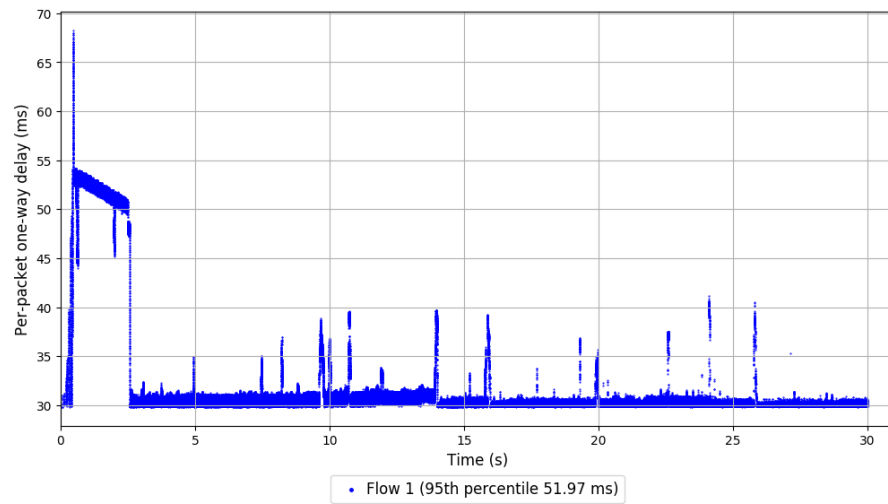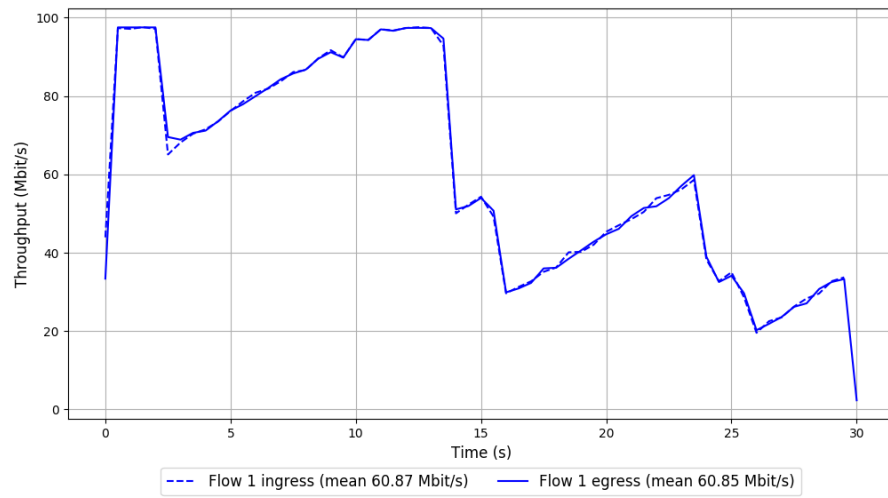

Flow 1 (95th percentile 52.72 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2018-01-08 23:47:05
End at: 2018-01-08 23:47:35
Local clock offset: 1.26 ms
Remote clock offset: -2.914 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 51.972 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 51.972 ms
Loss rate: 0.04%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 60.87 Mbit/s) ----   Flow 1 egress (mean 60.85 Mbit/s) ——
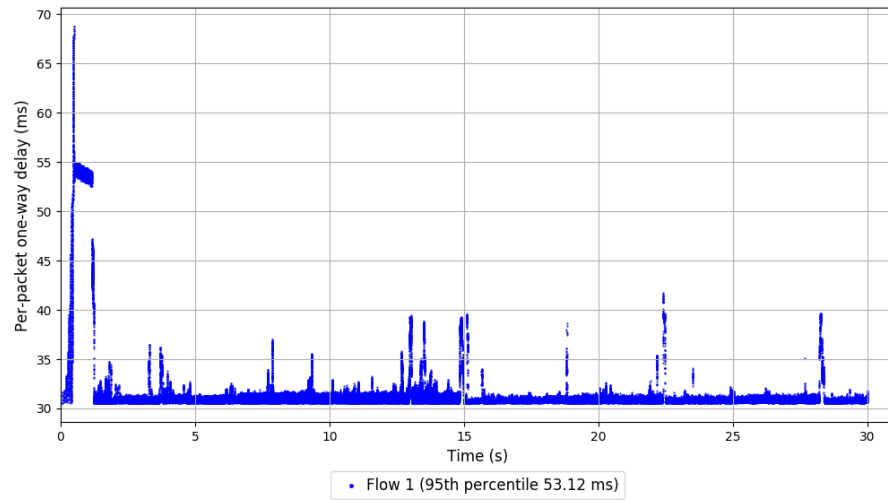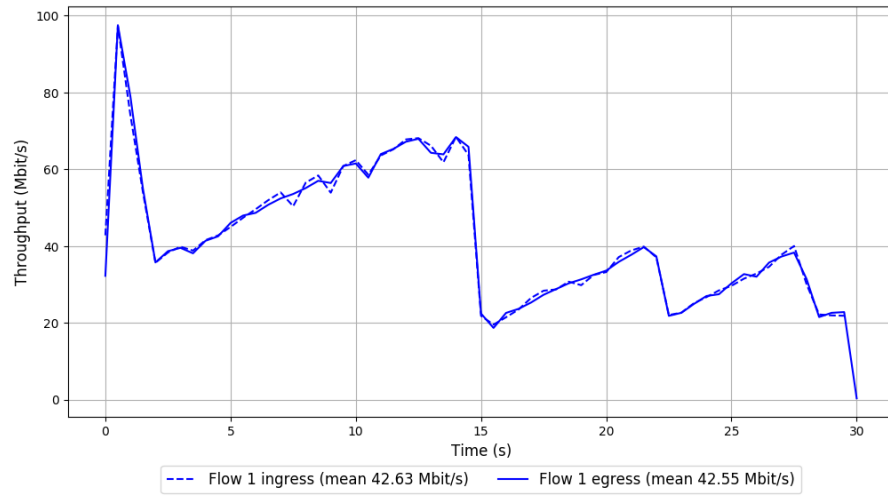

Flow 1 (95th percentile 51.97 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-01-09 00:07:45
End at: 2018-01-09 00:08:15
Local clock offset: 1.248 ms
Remote clock offset: -2.753 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.55 Mbit/s
95th percentile per-packet one-way delay: 53.124 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 42.55 Mbit/s
95th percentile per-packet one-way delay: 53.124 ms
Loss rate: 0.19%
```

Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 42.63 Mbit/s)   Flow 1 egress (mean 42.55 Mbit/s)
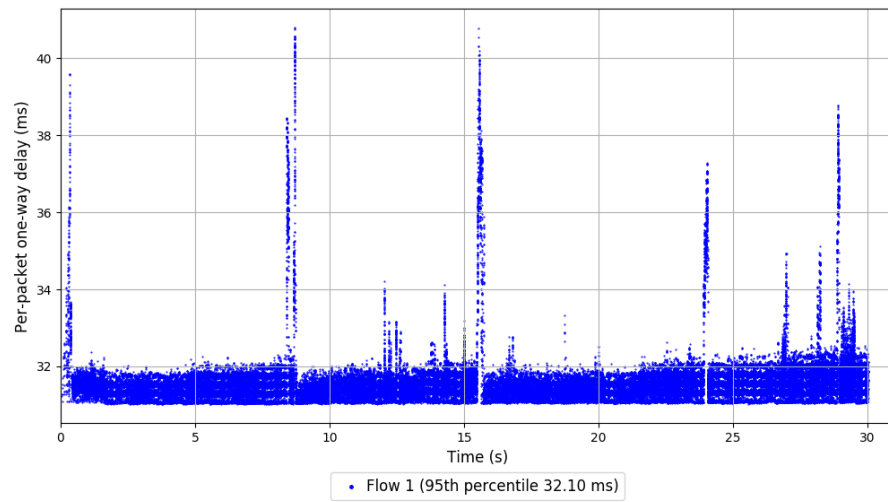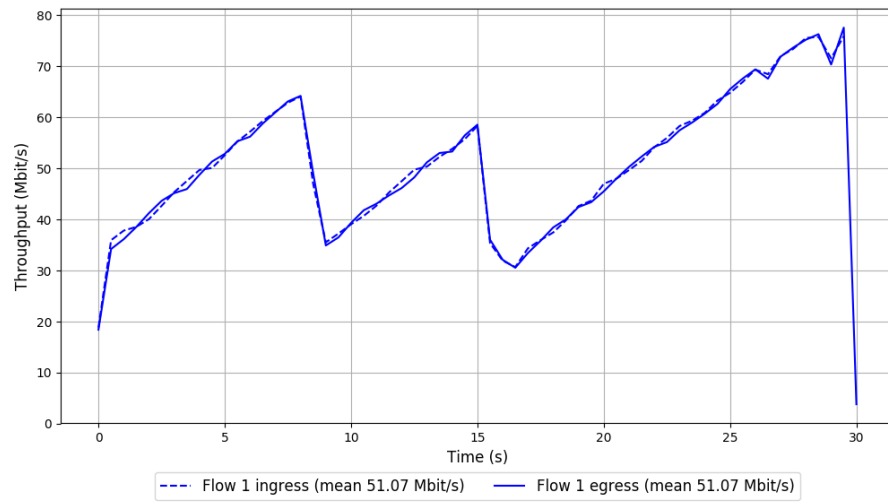

Flow 1 (95th percentile 53.12 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2018-01-09 00:28:50
End at: 2018-01-09 00:29:20
Local clock offset: 1.465 ms
Remote clock offset: -2.594 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.07 Mbit/s
95th percentile per-packet one-way delay: 32.096 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.07 Mbit/s
95th percentile per-packet one-way delay: 32.096 ms
Loss rate: 0.01%
```
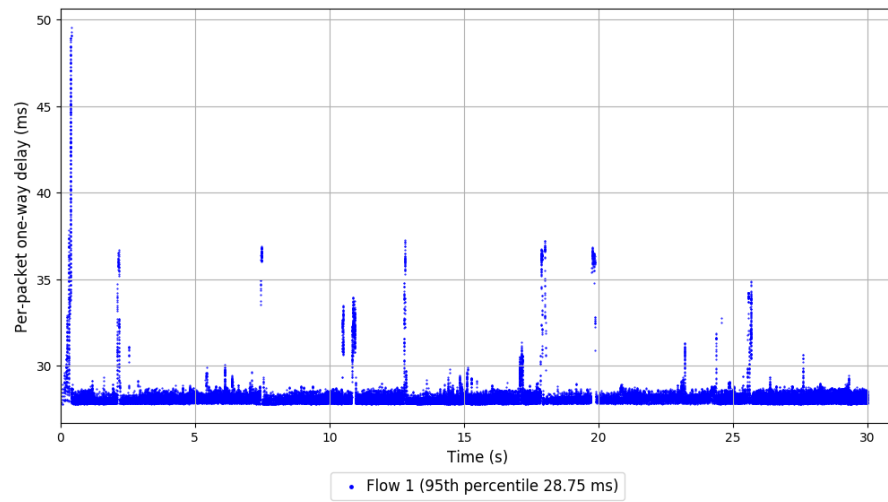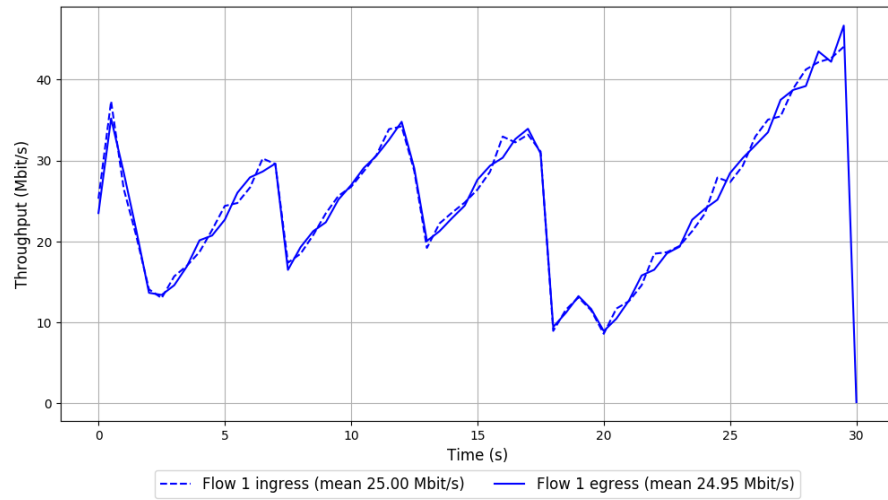
Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2018-01-09 00:49:59
End at: 2018-01-09 00:50:29
Local clock offset: 1.577 ms
Remote clock offset: -5.508 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 28.751 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 28.751 ms
Loss rate: 0.24%
```

Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: 2018-01-09 01:11:23
End at: 2018-01-09 01:11:53
Local clock offset: 1.43 ms
Remote clock offset: -2.24 ms


# Below is generated by plot.py at 2018-01-09 02:36:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 31.727 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 31.727 ms
Loss rate: 0.02%
```
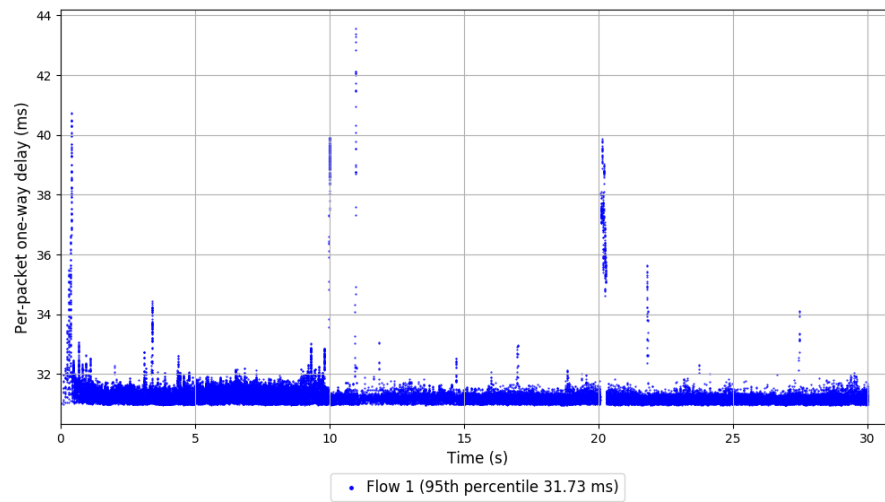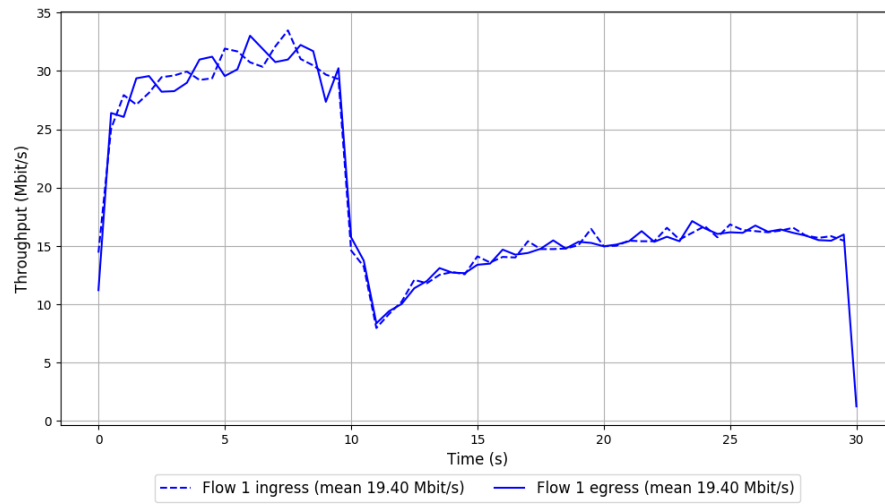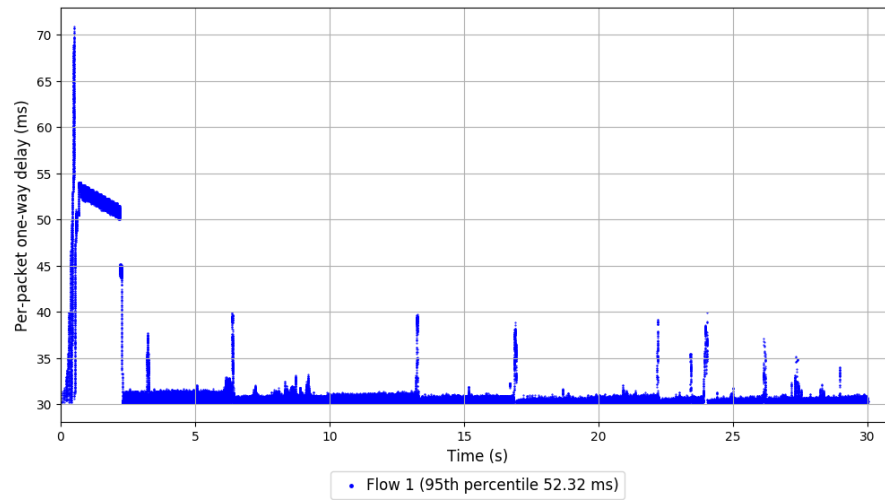
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 19.40 Mbit/s)   Flow 1 egress (mean 19.40 Mbit/s)

Flow 1 (95th percentile 31.73 ms)

Run 10: Statistics of TCP Vegas

Start at: 2018-01-09 01:33:25
End at: 2018-01-09 01:33:55
Local clock offset: 1.34 ms
Remote clock offset: -1.096 ms

Below is generated by plot.py at 2018-01-09 02:36:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 52.318 ms
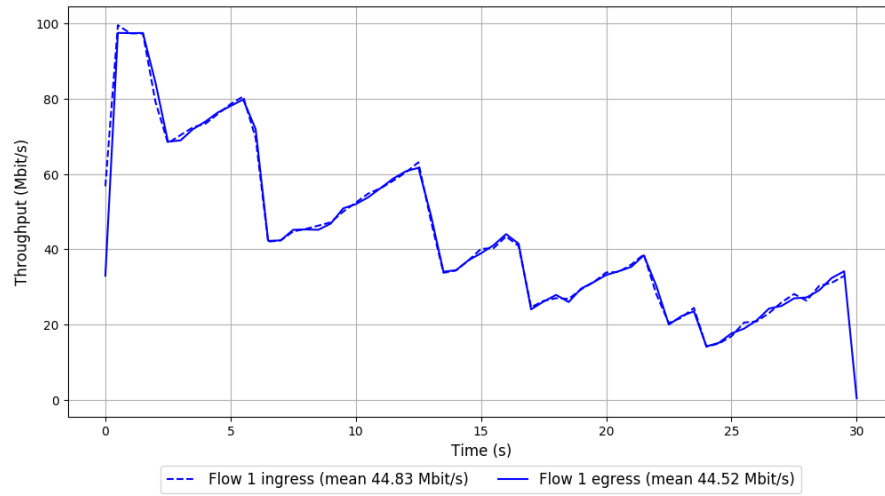Loss rate: 0.69%
-- Flow 1:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 52.318 ms
Loss rate: 0.69%

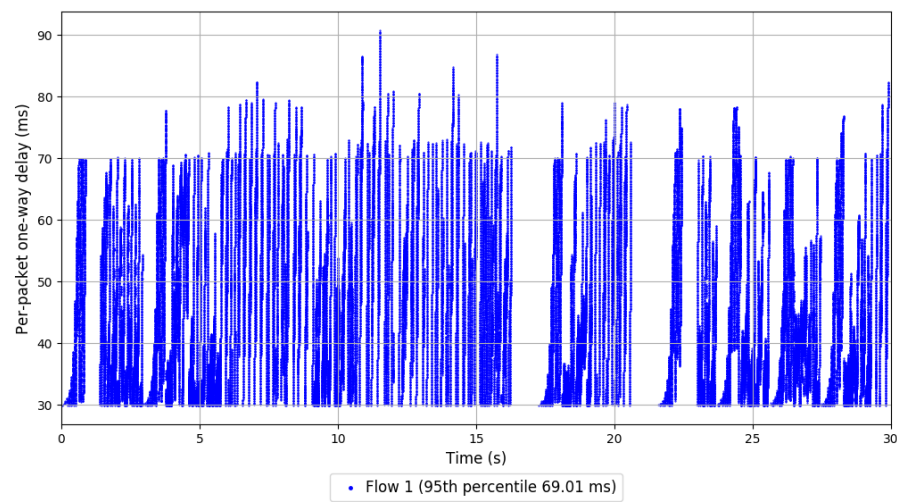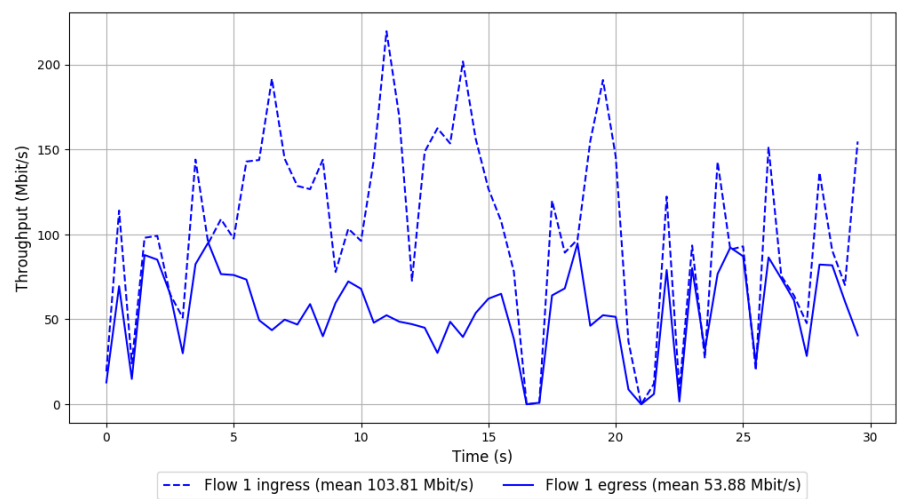Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 44.83 Mbit/s)   Flow 1 egress (mean 44.52 Mbit/s)

Flow 1 (95th percentile 52.32 ms)

```
Run 1: Statistics of Verus

Start at: 2018-01-08 22:21:15
End at: 2018-01-08 22:21:45
Local clock offset: 1.574 ms
Remote clock offset: -1.535 ms


# Below is generated by plot.py at 2018-01-09 02:37:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 69.009 ms
Loss rate: 48.01%
-- Flow 1:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 69.009 ms
Loss rate: 48.01%
```

Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 103.81 Mbit/s)   Flow 1 egress (mean 53.88 Mbit/s)

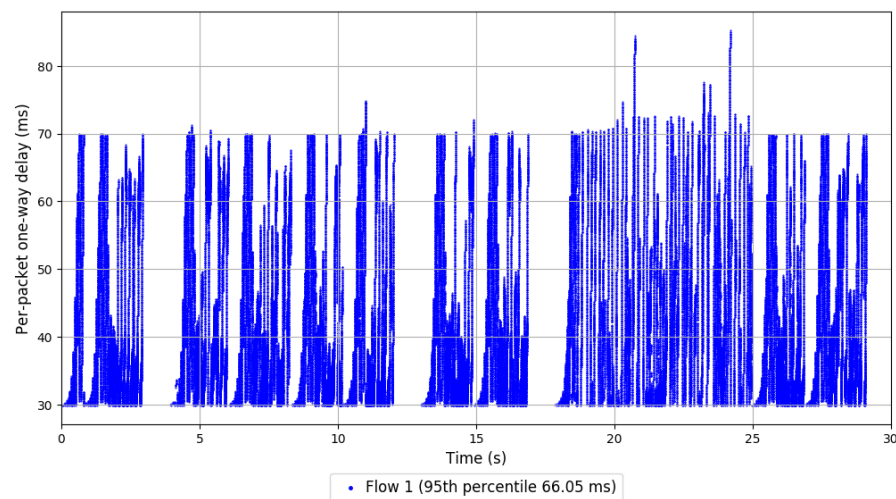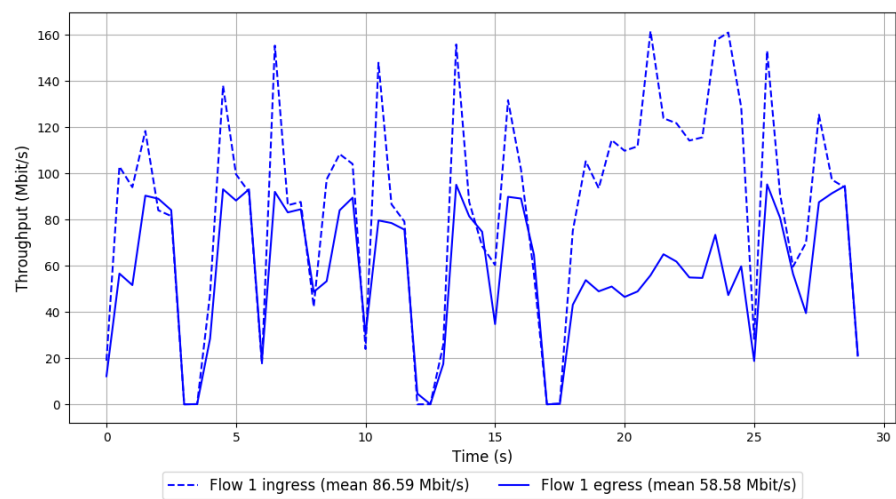Flow 1 (95th percentile 69.01 ms)

```
Run 2: Statistics of Verus

Start at: 2018-01-08 22:41:23
End at: 2018-01-08 22:41:53
Local clock offset: 1.641 ms
Remote clock offset: -1.286 ms


# Below is generated by plot.py at 2018-01-09 02:37:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 66.053 ms
Loss rate: 32.33%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 66.053 ms
Loss rate: 32.33%
```

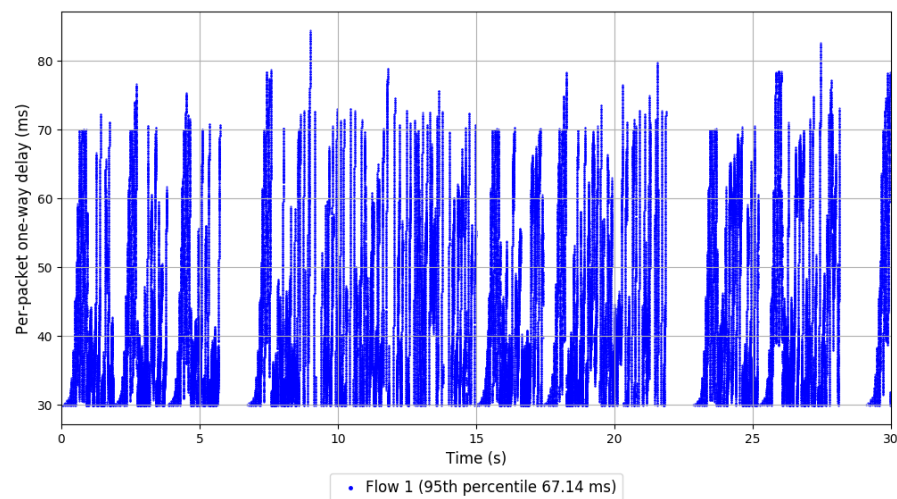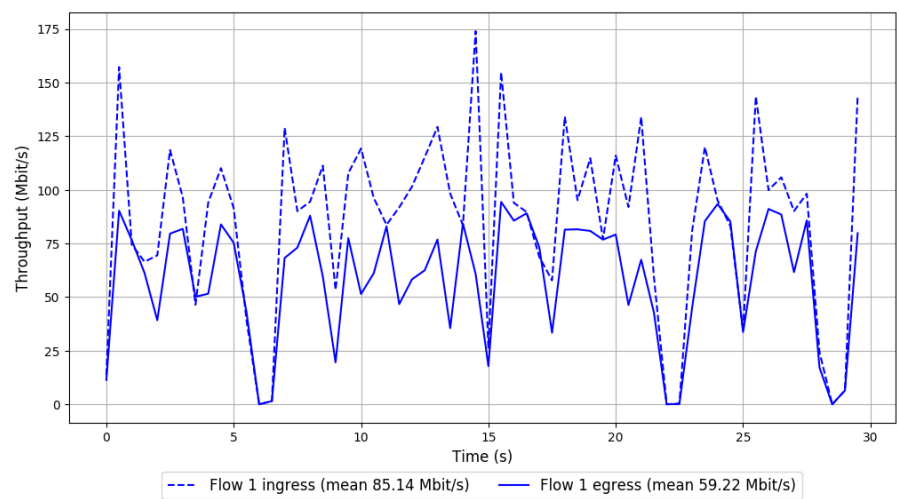Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-01-08 23:01:26
End at: 2018-01-08 23:01:56
Local clock offset: 1.335 ms
Remote clock offset: -1.927 ms


# Below is generated by plot.py at 2018-01-09 02:37:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 67.139 ms
Loss rate: 30.45%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 67.139 ms
Loss rate: 30.45%
```

Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 85.14 Mbit/s)   Flow 1 egress (mean 59.22 Mbit/s)

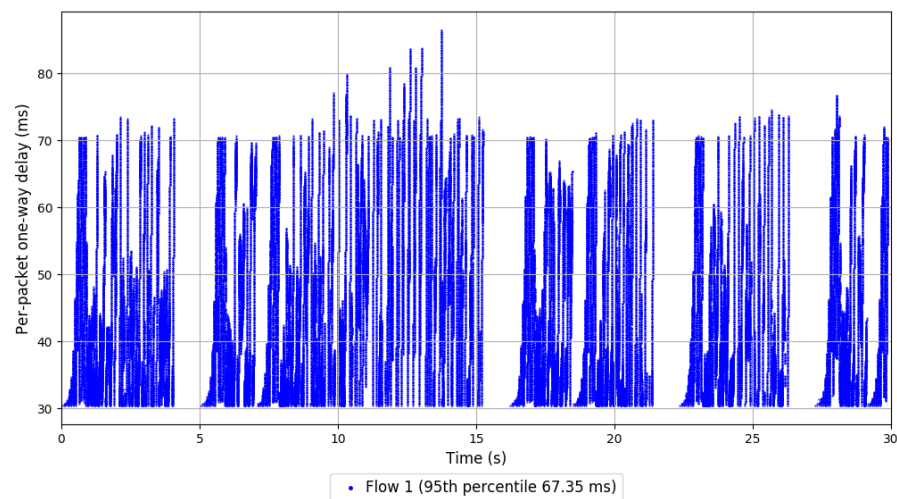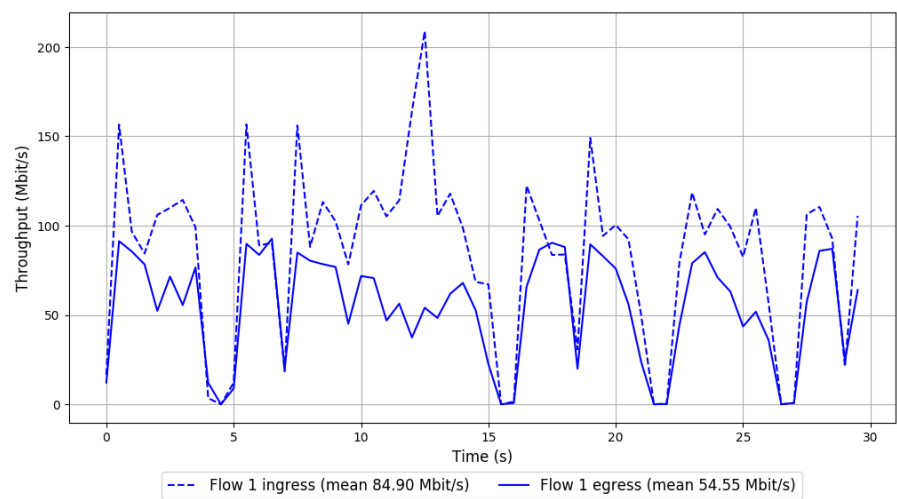Flow 1 (95th percentile 67.14 ms)

```
Run 4: Statistics of Verus

Start at: 2018-01-08 23:21:36
End at: 2018-01-08 23:22:06
Local clock offset: 1.25 ms
Remote clock offset: -3.003 ms


# Below is generated by plot.py at 2018-01-09 02:37:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 67.351 ms
Loss rate: 35.73%
-- Flow 1:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 67.351 ms
Loss rate: 35.73%
```

Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-01-08 23:41:37
End at: 2018-01-08 23:42:07
Local clock offset: 1.237 ms
Remote clock offset: -2.83 ms


# Below is generated by plot.py at 2018-01-09 02:37:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.62 Mbit/s
95th percentile per-packet one-way delay: 67.065 ms
Loss rate: 40.17%
-- Flow 1:
Average throughput: 58.62 Mbit/s
95th percentile per-packet one-way delay: 67.065 ms
Loss rate: 40.17%
```
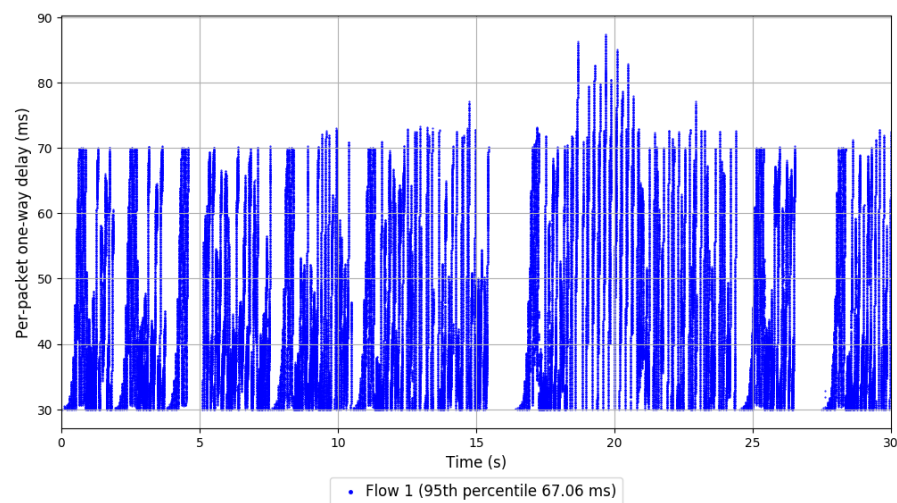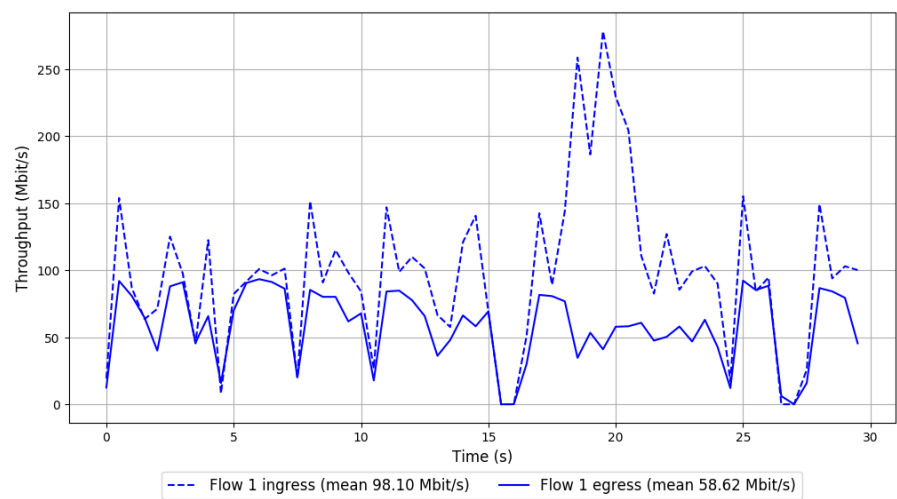
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2018-01-09 00:01:55
End at: 2018-01-09 00:02:25
Local clock offset: 1.273 ms
Remote clock offset: -2.76 ms


# Below is generated by plot.py at 2018-01-09 02:38:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 68.688 ms
Loss rate: 64.57%
-- Flow 1:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 68.688 ms
Loss rate: 64.57%
```
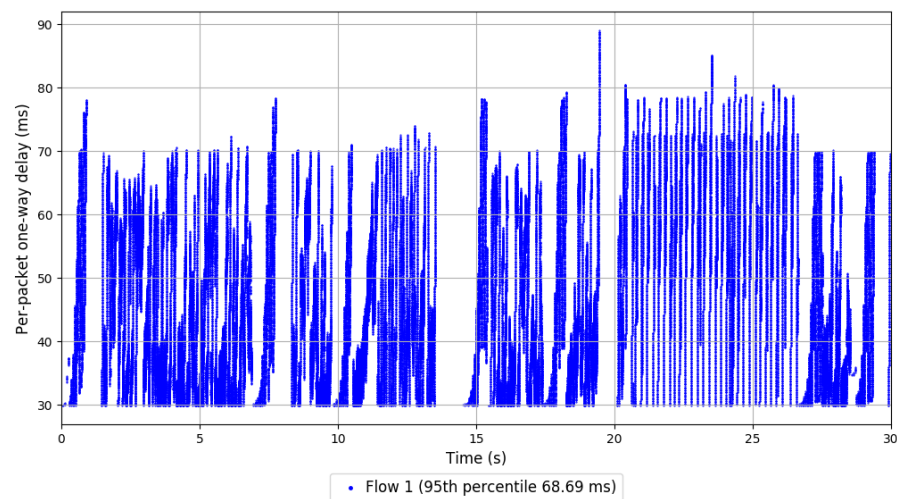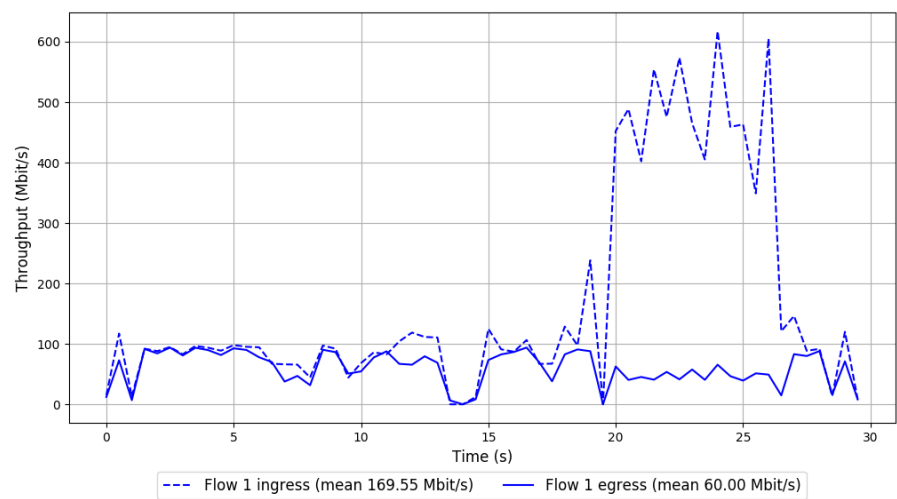
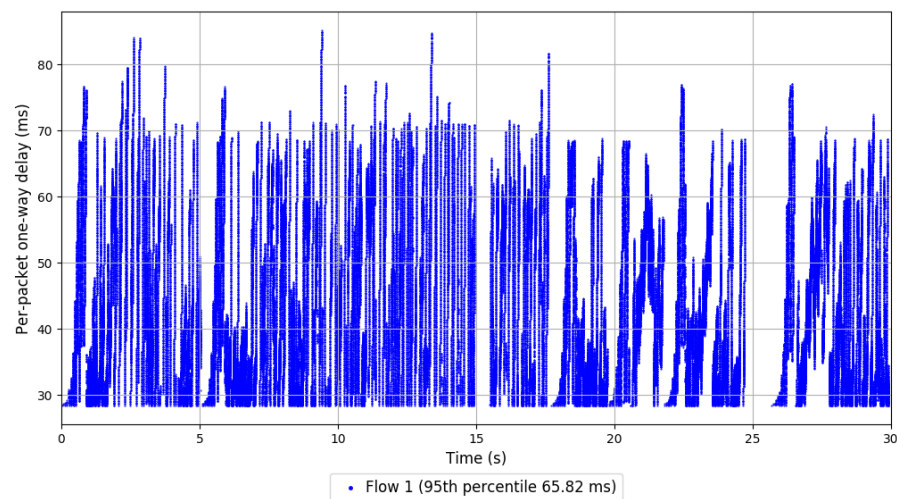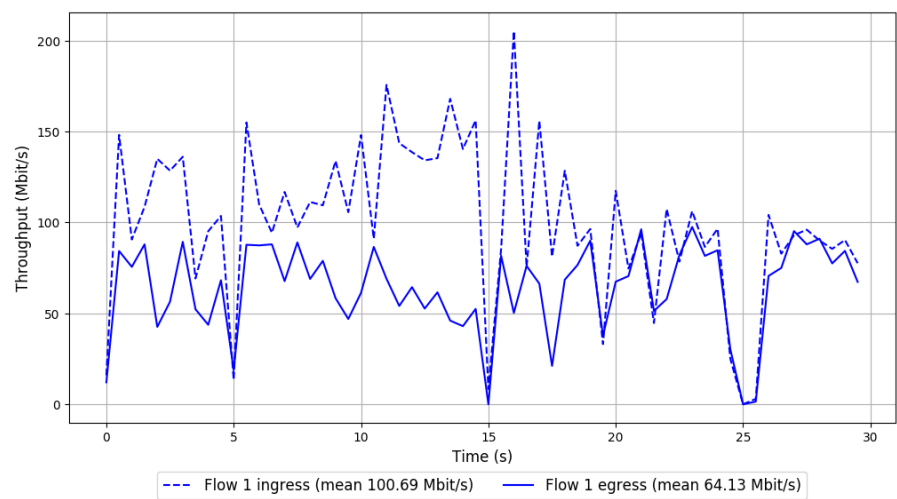# Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-01-09 00:23:03
End at: 2018-01-09 00:23:33
Local clock offset: 1.49 ms
Remote clock offset: -4.893 ms


# Below is generated by plot.py at 2018-01-09 02:38:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.13 Mbit/s
95th percentile per-packet one-way delay: 65.820 ms
Loss rate: 36.31%
-- Flow 1:
Average throughput: 64.13 Mbit/s
95th percentile per-packet one-way delay: 65.820 ms
Loss rate: 36.31%
```

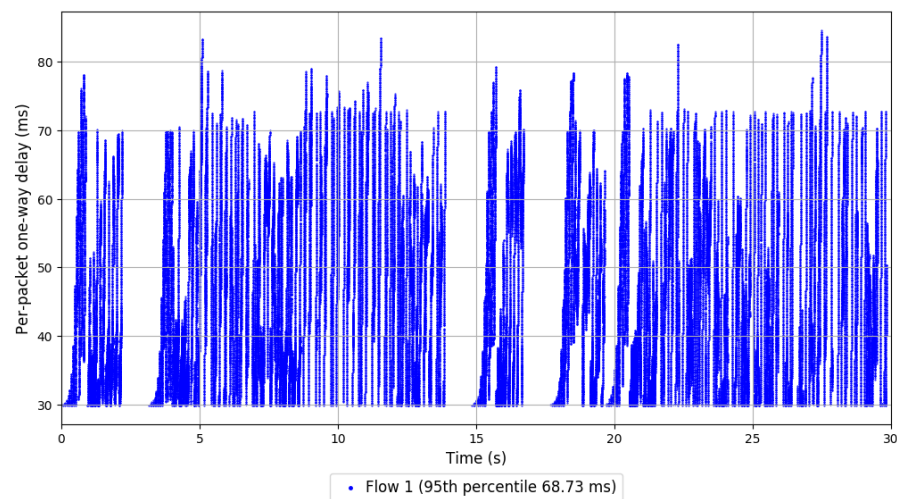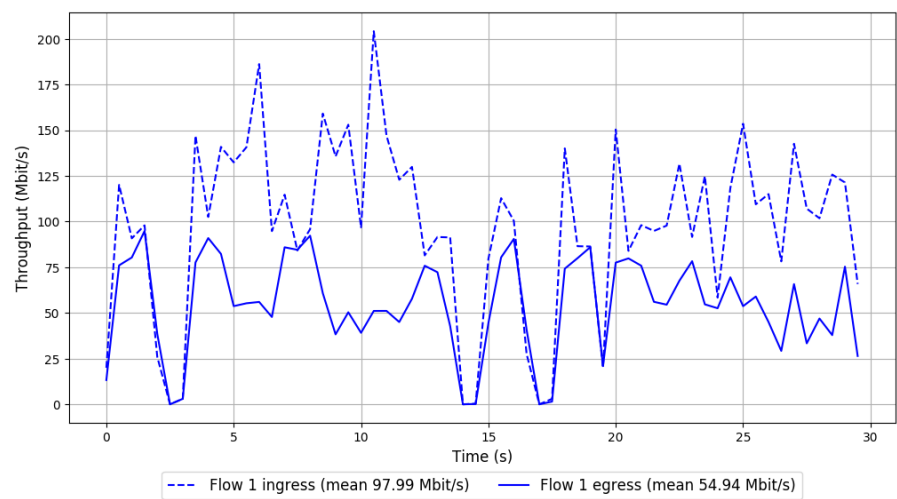Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-01-09 00:44:08
End at: 2018-01-09 00:44:38
Local clock offset: 1.584 ms
Remote clock offset: -3.456 ms


# Below is generated by plot.py at 2018-01-09 02:38:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 68.728 ms
Loss rate: 43.90%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 68.728 ms
Loss rate: 43.90%
```

Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 97.99 Mbit/s)   Flow 1 egress (mean 54.94 Mbit/s)

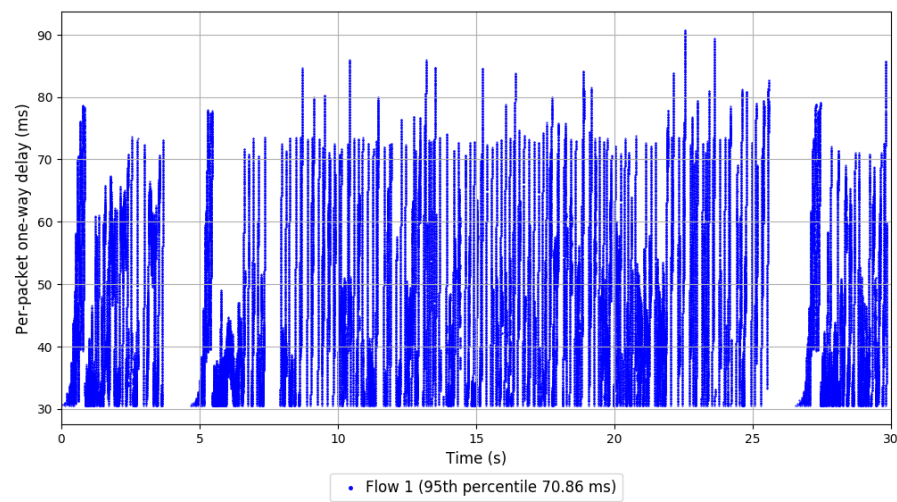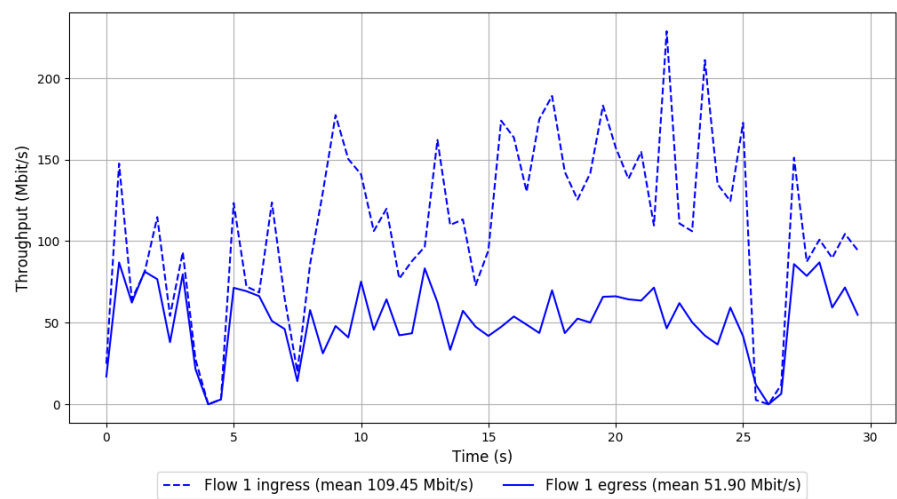• Flow 1 (95th percentile 68.73 ms)

```
Run 9: Statistics of Verus

Start at: 2018-01-09 01:05:12
End at: 2018-01-09 01:05:42
Local clock offset: 1.369 ms
Remote clock offset: -3.148 ms


# Below is generated by plot.py at 2018-01-09 02:39:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.90 Mbit/s
95th percentile per-packet one-way delay: 70.860 ms
Loss rate: 52.54%
-- Flow 1:
Average throughput: 51.90 Mbit/s
95th percentile per-packet one-way delay: 70.860 ms
Loss rate: 52.54%
```

Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 109.45 Mbit/s)   Flow 1 egress (mean 51.90 Mbit/s)

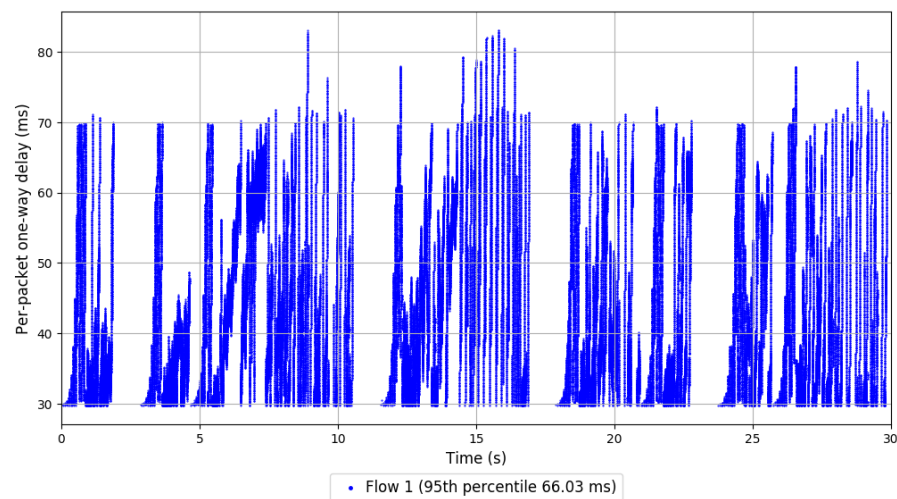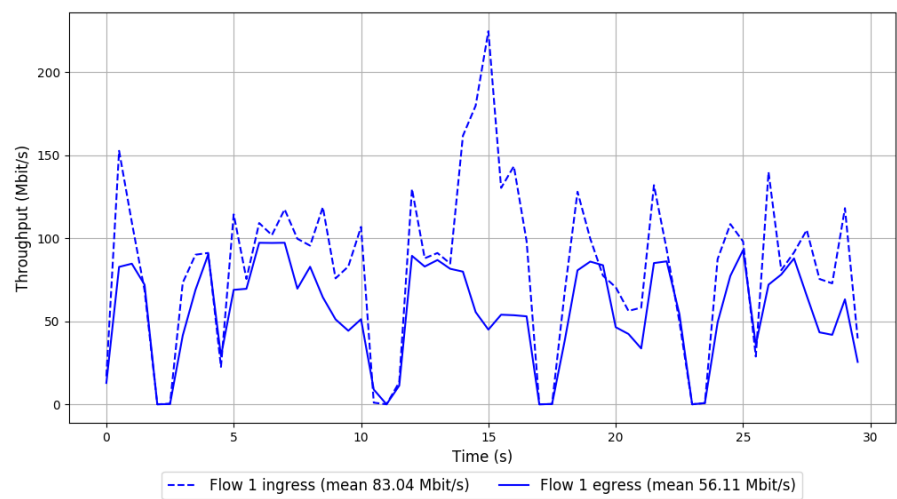• Flow 1 (95th percentile 70.86 ms)

```
Run 10: Statistics of Verus

Start at: 2018-01-09 01:27:34
End at: 2018-01-09 01:28:04
Local clock offset: 1.341 ms
Remote clock offset: -1.902 ms


# Below is generated by plot.py at 2018-01-09 02:39:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 66.033 ms
Loss rate: 32.35%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 66.033 ms
Loss rate: 32.35%
```
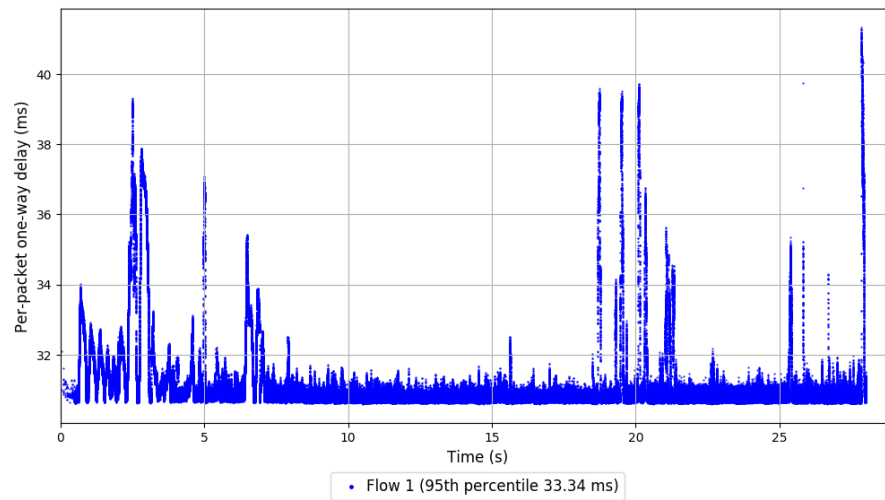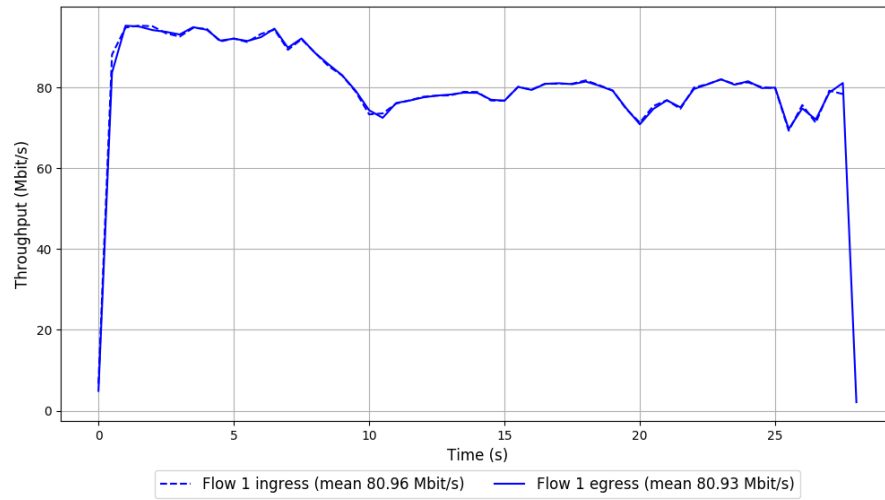
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-01-08 22:28:07
End at: 2018-01-08 22:28:37
Local clock offset: 1.409 ms
Remote clock offset: -1.406 ms


# Below is generated by plot.py at 2018-01-09 02:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 33.335 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 33.335 ms
Loss rate: 0.04%
```

Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 80.96 Mbit/s)   Flow 1 egress (mean 80.93 Mbit/s)

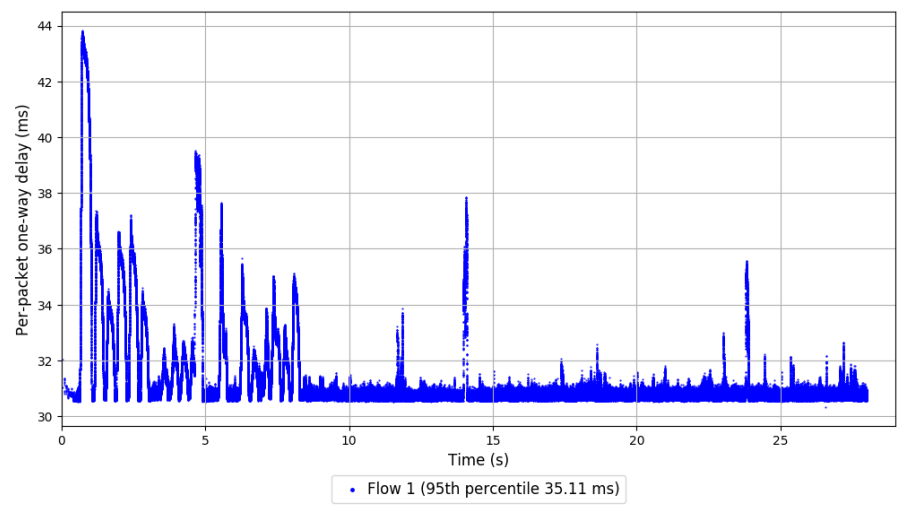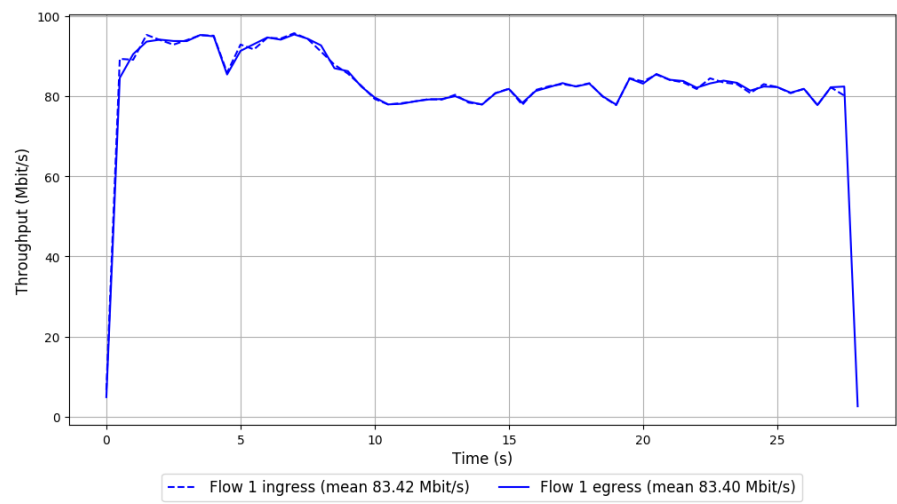Flow 1 (95th percentile 33.34 ms)

```
Run 2: Statistics of Copa

Start at: 2018-01-08 22:48:05
End at: 2018-01-08 22:48:35
Local clock offset: 1.495 ms
Remote clock offset: -1.41 ms


# Below is generated by plot.py at 2018-01-09 02:41:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 35.107 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 35.107 ms
Loss rate: 0.03%
```

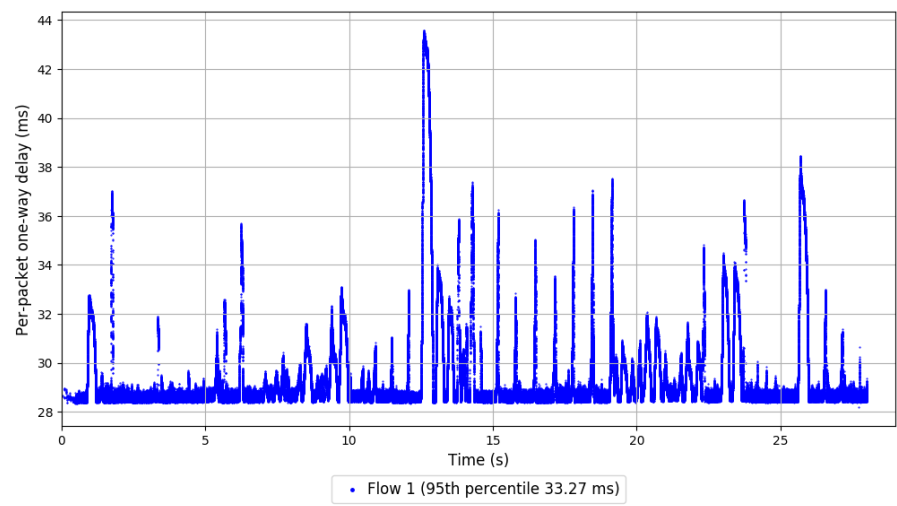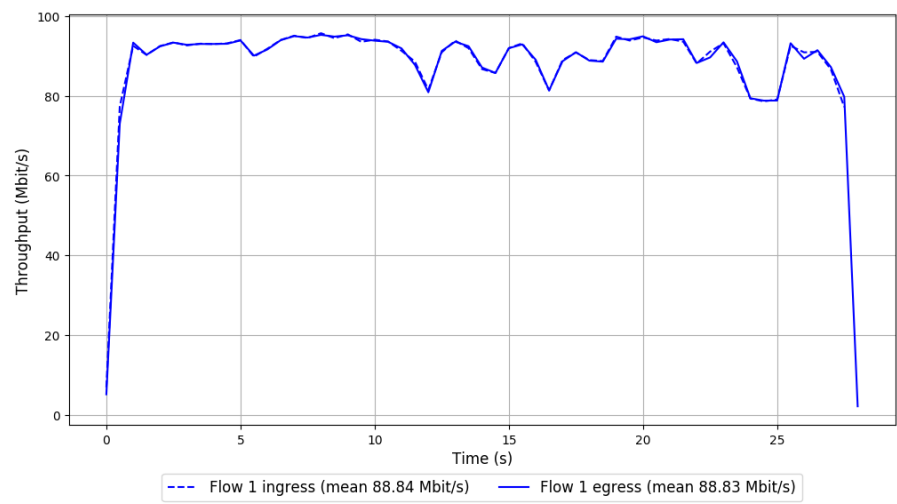## Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-01-08 23:08:14
End at: 2018-01-08 23:08:44
Local clock offset: 1.318 ms
Remote clock offset: -4.598 ms


# Below is generated by plot.py at 2018-01-09 02:42:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.83 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.83 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 0.00%
```

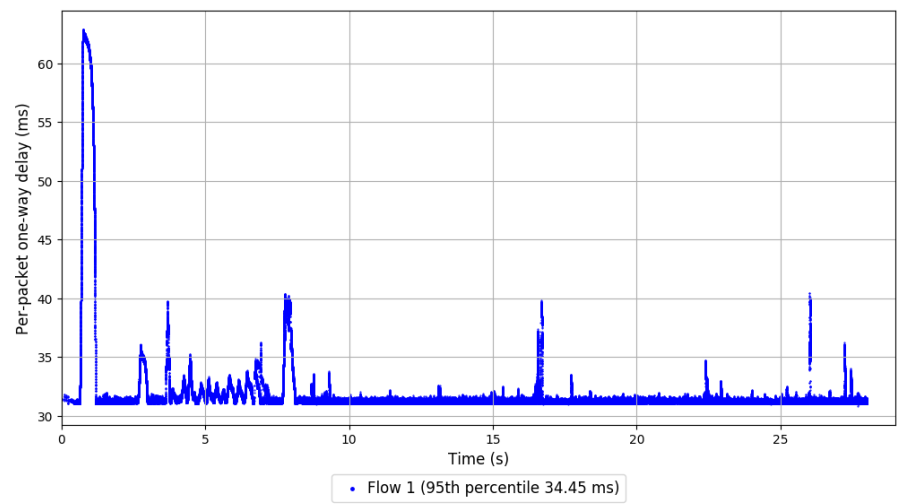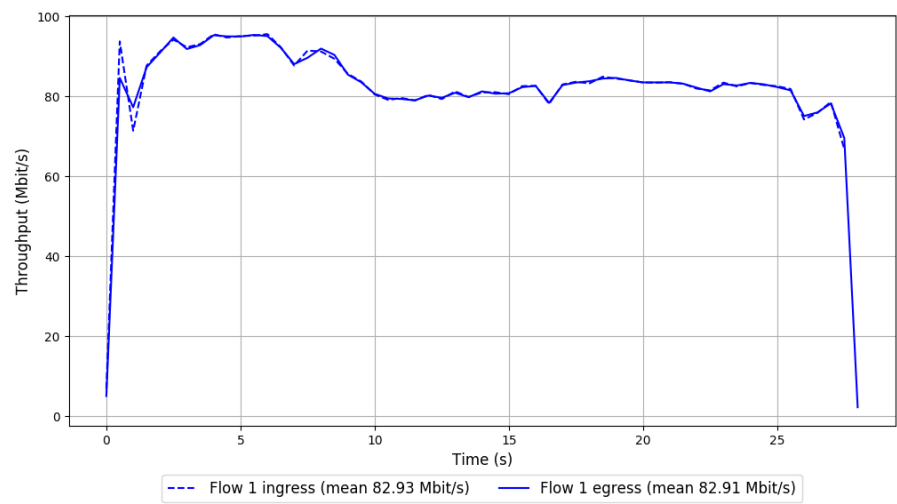Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2018-01-08 23:28:20
End at: 2018-01-08 23:28:50
Local clock offset: 1.139 ms
Remote clock offset: -2.524 ms


# Below is generated by plot.py at 2018-01-09 02:42:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.91 Mbit/s
95th percentile per-packet one-way delay: 34.453 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.91 Mbit/s
95th percentile per-packet one-way delay: 34.453 ms
Loss rate: 0.04%
```

Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 82.93 Mbit/s)   Flow 1 egress (mean 82.91 Mbit/s)
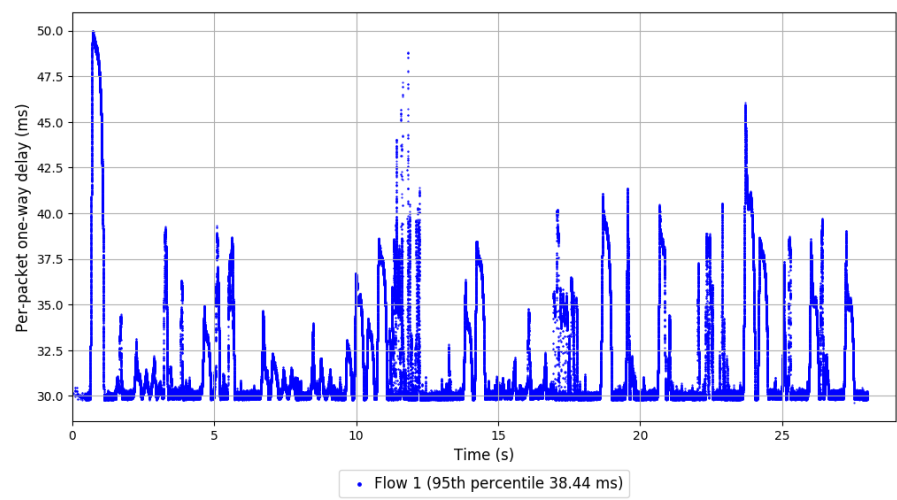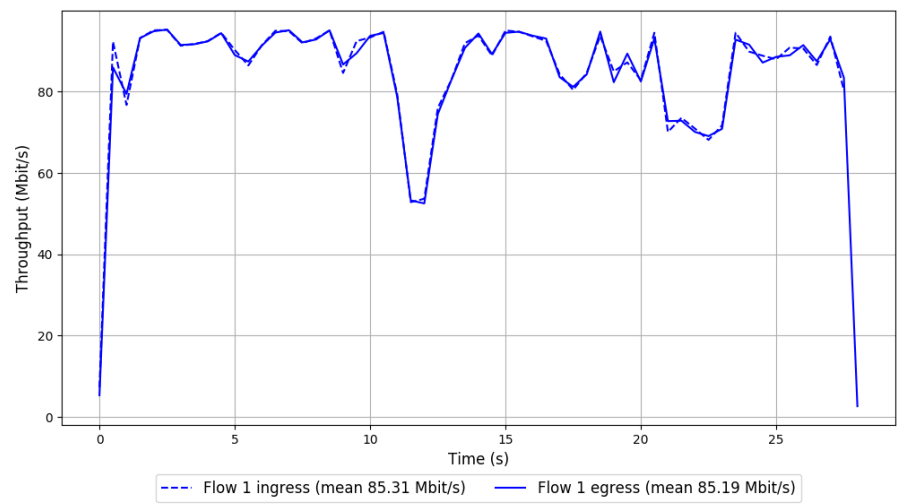

• Flow 1 (95th percentile 34.45 ms)

```
Run 5: Statistics of Copa

Start at: 2018-01-08 23:48:25
End at: 2018-01-08 23:48:55
Local clock offset: 1.269 ms
Remote clock offset: -2.959 ms


# Below is generated by plot.py at 2018-01-09 02:42:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 38.436 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 38.436 ms
Loss rate: 0.14%
```

Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 85.31 Mbit/s) ----   Flow 1 egress (mean 85.19 Mbit/s) ——

• Flow 1 (95th percentile 38.44 ms)

```
Run 6: Statistics of Copa

Start at: 2018-01-09 00:09:06
End at: 2018-01-09 00:09:36
Local clock offset: 1.343 ms
Remote clock offset: -2.14 ms


# Below is generated by plot.py at 2018-01-09 02:42:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 39.468 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 39.468 ms
Loss rate: 0.80%
```
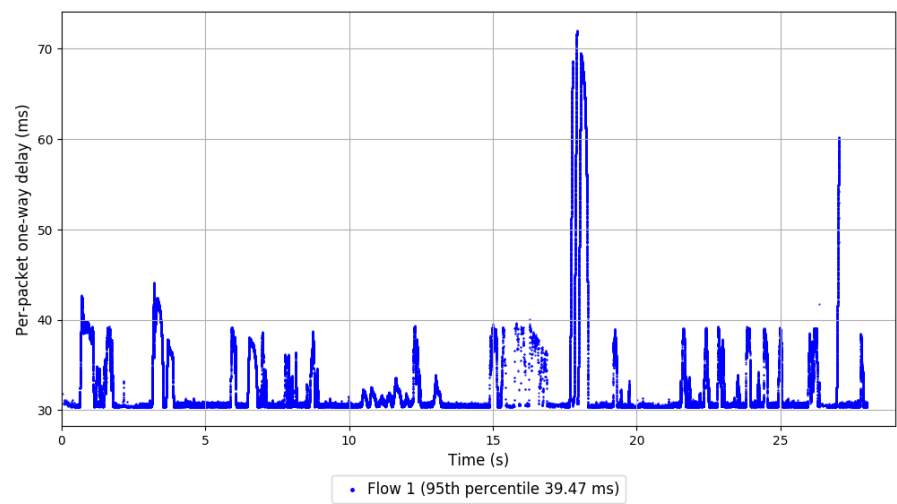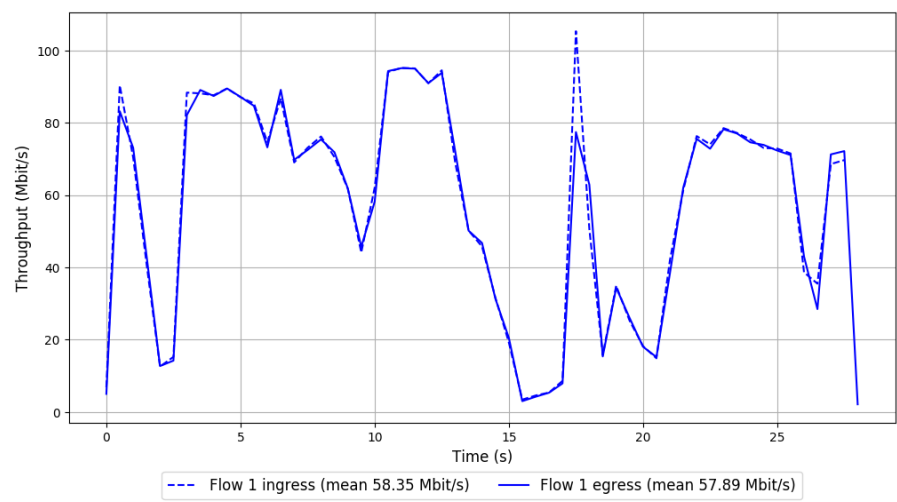
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 58.35 Mbit/s)   Flow 1 egress (mean 57.89 Mbit/s)

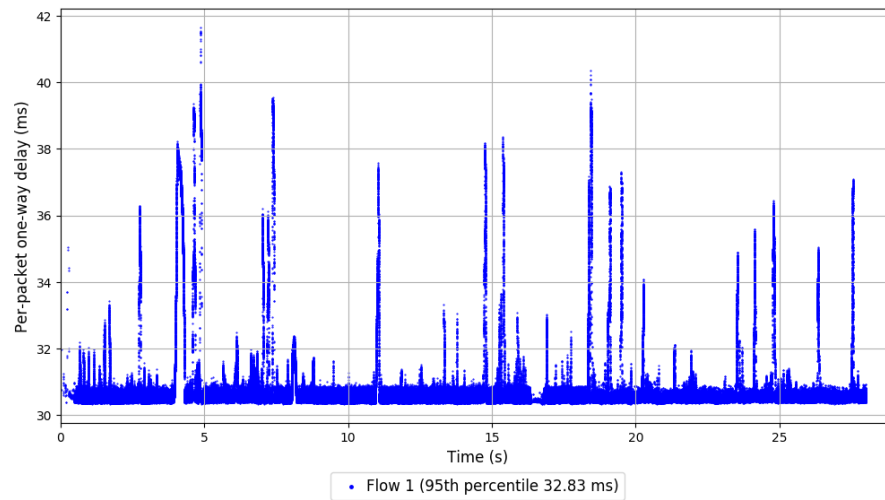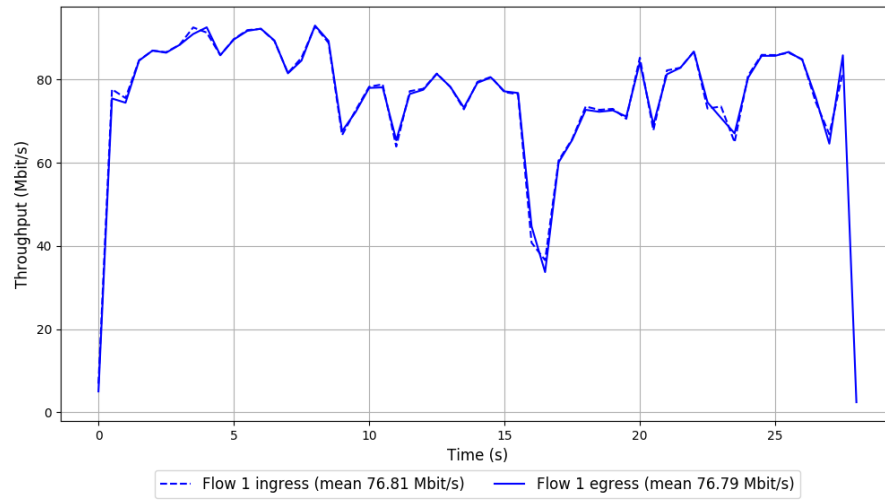• Flow 1 (95th percentile 39.47 ms)

```
Run 7: Statistics of Copa

Start at: 2018-01-09 00:30:13
End at: 2018-01-09 00:30:43
Local clock offset: 1.557 ms
Remote clock offset: -2.573 ms


# Below is generated by plot.py at 2018-01-09 02:42:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 32.830 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 32.830 ms
Loss rate: 0.04%
```

Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 76.81 Mbit/s) — Flow 1 egress (mean 76.79 Mbit/s)

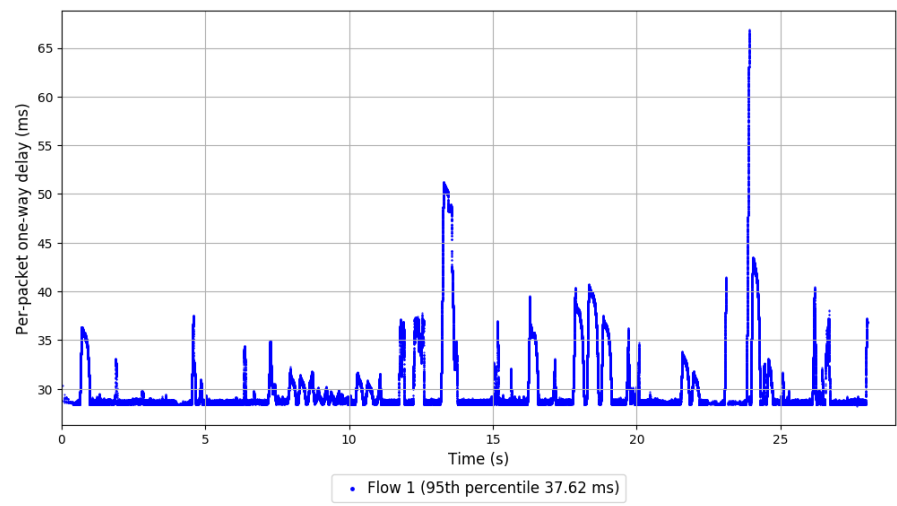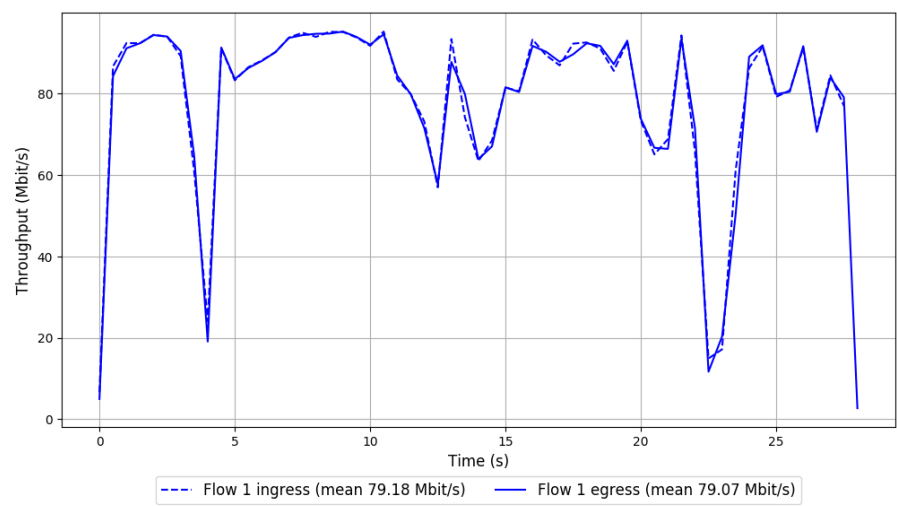• Flow 1 (95th percentile 32.83 ms)

```
Run 8: Statistics of Copa

Start at: 2018-01-09 00:51:20
End at: 2018-01-09 00:51:50
Local clock offset: 1.485 ms
Remote clock offset: -5.704 ms


# Below is generated by plot.py at 2018-01-09 02:42:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 37.625 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 37.625 ms
Loss rate: 0.12%
```

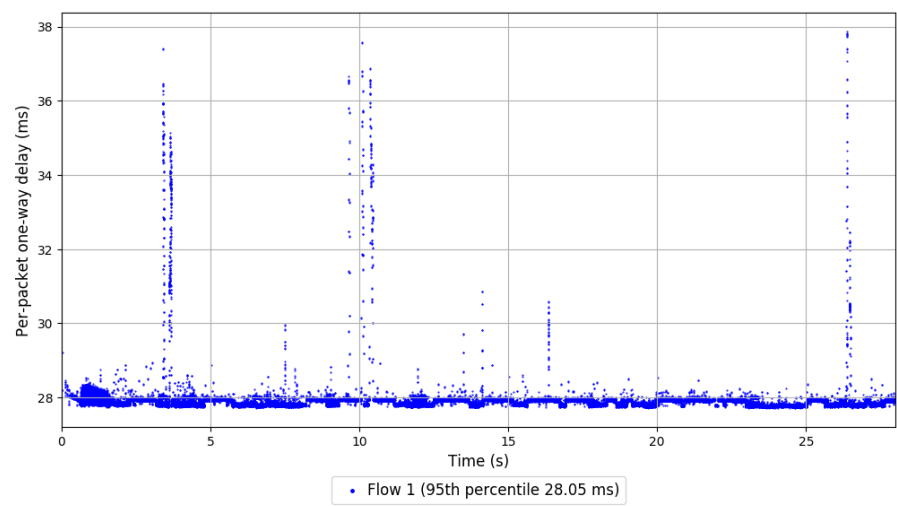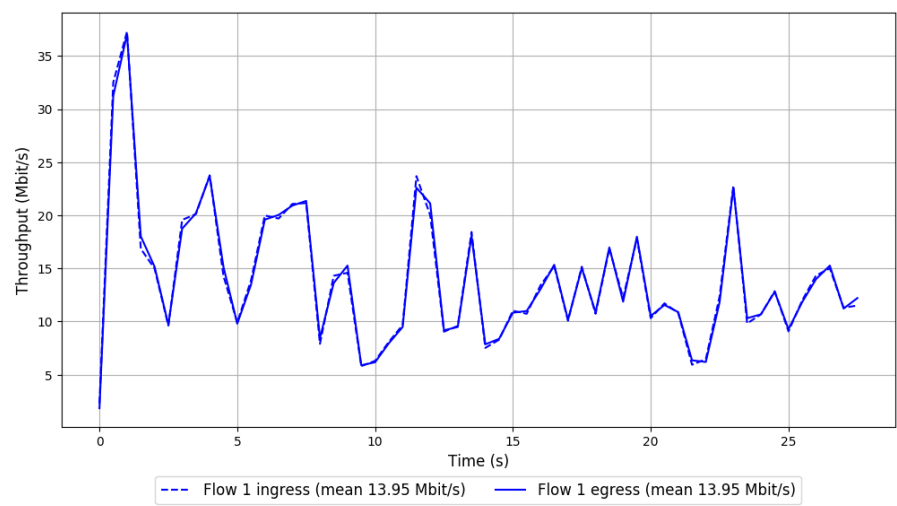Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-01-09 01:12:46
End at: 2018-01-09 01:13:16
Local clock offset: 1.309 ms
Remote clock offset: -4.799 ms


# Below is generated by plot.py at 2018-01-09 02:42:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 28.047 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 28.047 ms
Loss rate: 0.04%
```

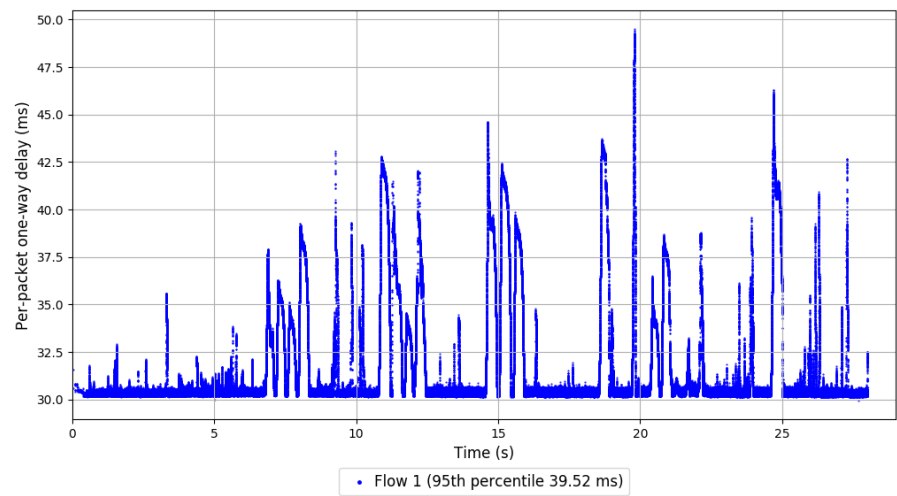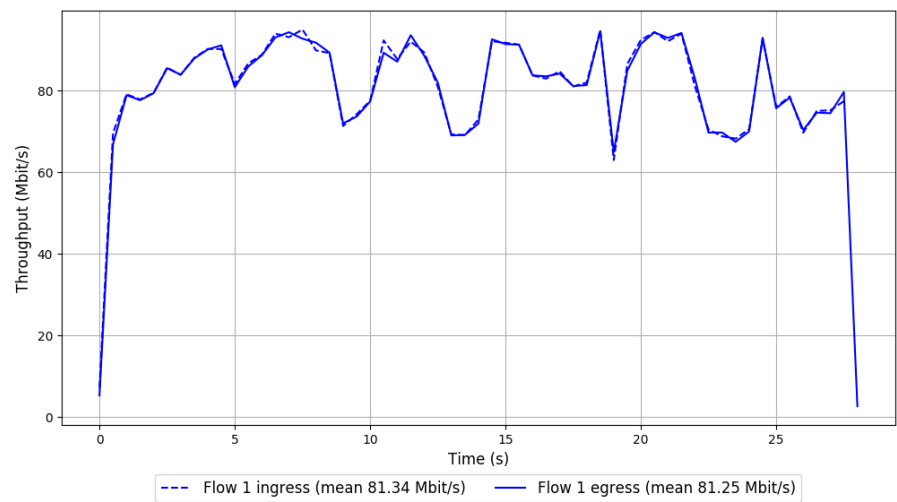# Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2018-01-09 01:34:49
End at: 2018-01-09 01:35:19
Local clock offset: 1.336 ms
Remote clock offset: -1.013 ms


# Below is generated by plot.py at 2018-01-09 02:45:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 39.524 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 39.524 ms
Loss rate: 0.11%
```

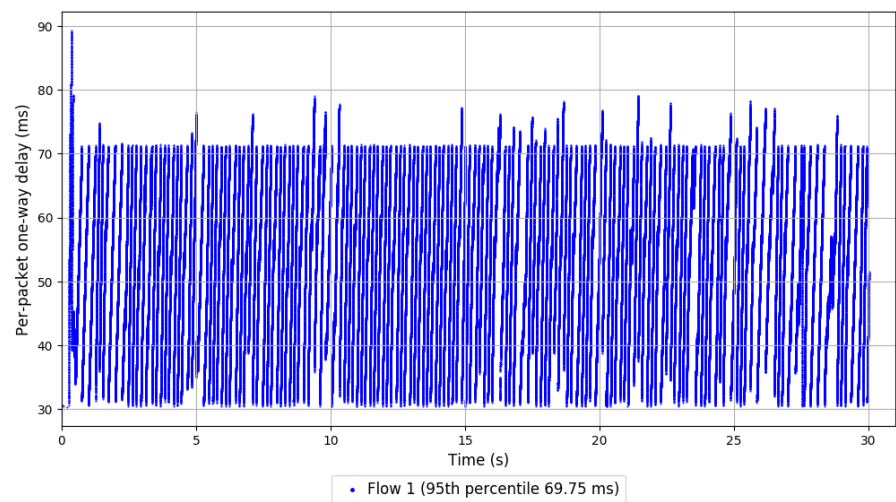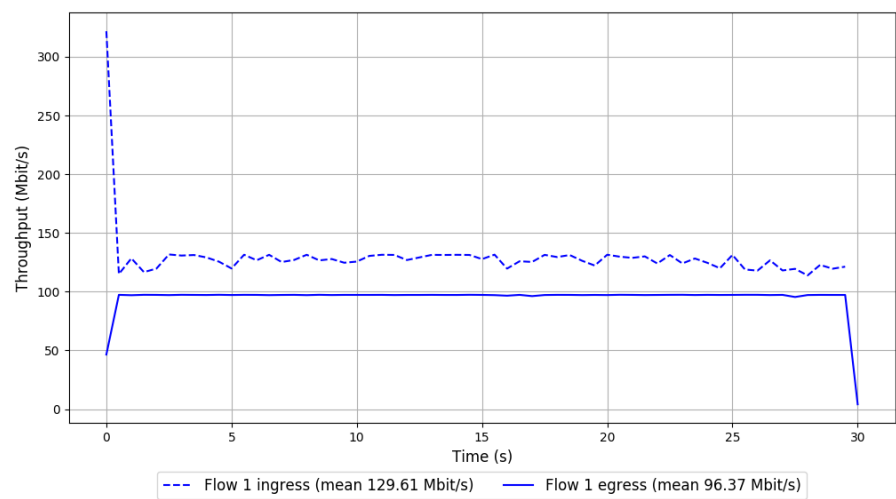Run 10: Report of Copa — Data Link

```
Run 1: Statistics of FillP

Start at: 2018-01-08 22:14:44
End at: 2018-01-08 22:15:14
Local clock offset: 1.799 ms
Remote clock offset: -1.853 ms


# Below is generated by plot.py at 2018-01-09 02:45:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 69.748 ms
Loss rate: 25.60%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 69.748 ms
Loss rate: 25.60%
```
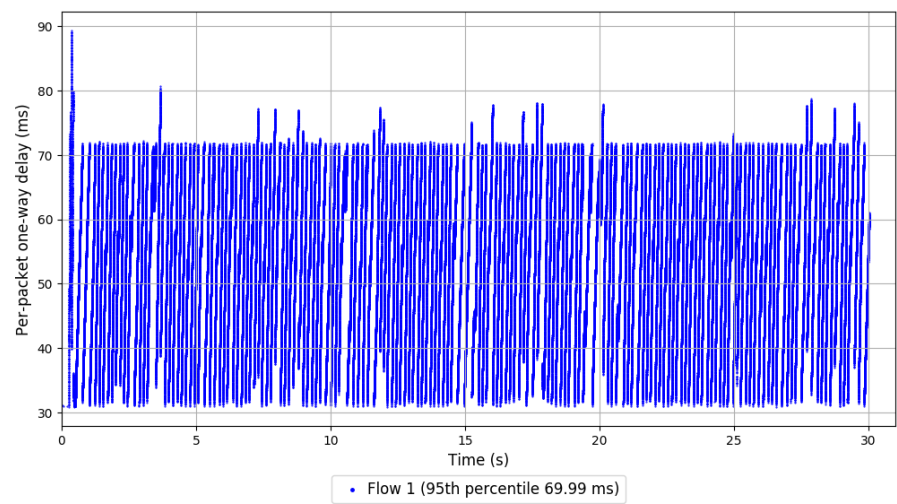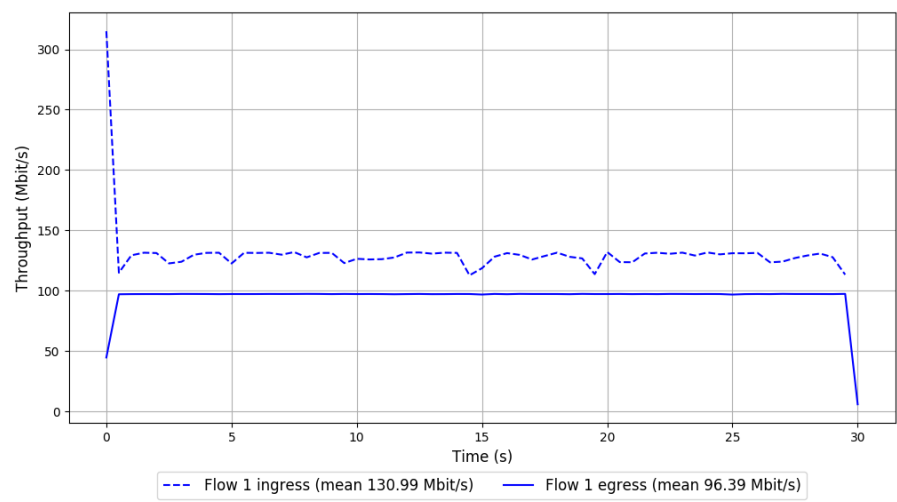
Run 1: Report of FillP — Data Link

```
Run 2: Statistics of FillP

Start at: 2018-01-08 22:34:51
End at: 2018-01-08 22:35:21
Local clock offset: 1.536 ms
Remote clock offset: -0.952 ms


# Below is generated by plot.py at 2018-01-09 02:45:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 69.988 ms
Loss rate: 26.34%
-- Flow 1:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 69.988 ms
Loss rate: 26.34%
```
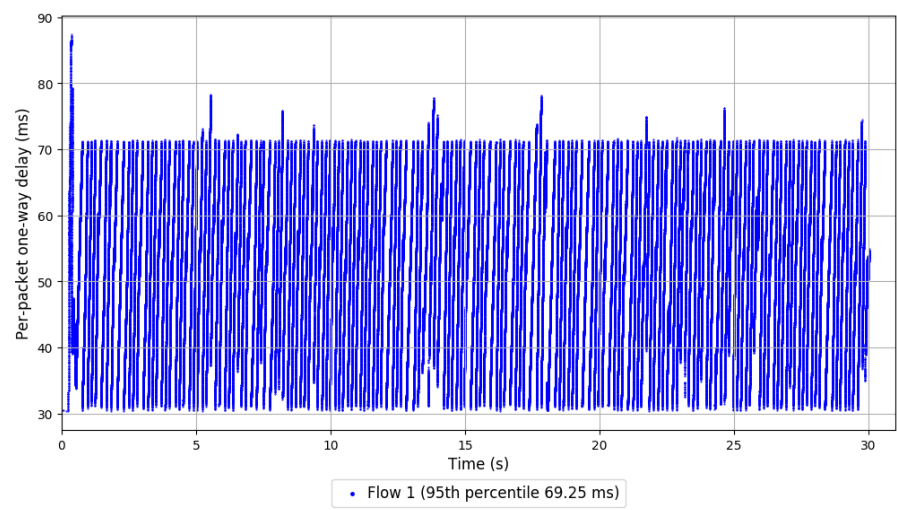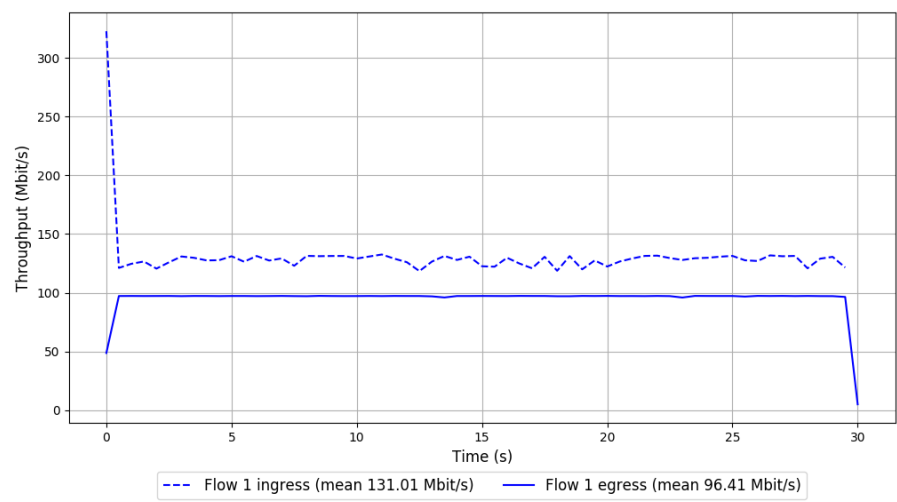
Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-01-08 22:54:54
End at: 2018-01-08 22:55:24
Local clock offset: 1.387 ms
Remote clock offset: -1.734 ms


# Below is generated by plot.py at 2018-01-09 02:45:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 69.247 ms
Loss rate: 26.36%
-- Flow 1:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 69.247 ms
Loss rate: 26.36%
```

Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 131.01 Mbit/s)   Flow 1 egress (mean 96.41 Mbit/s)

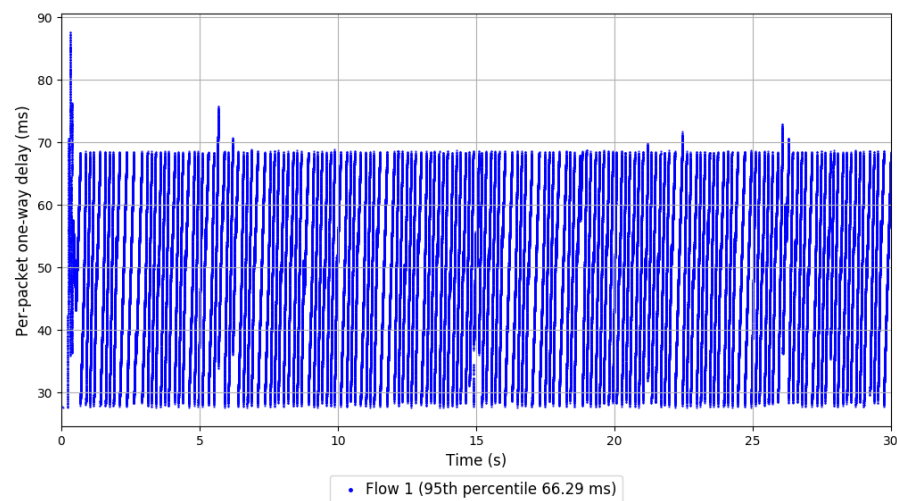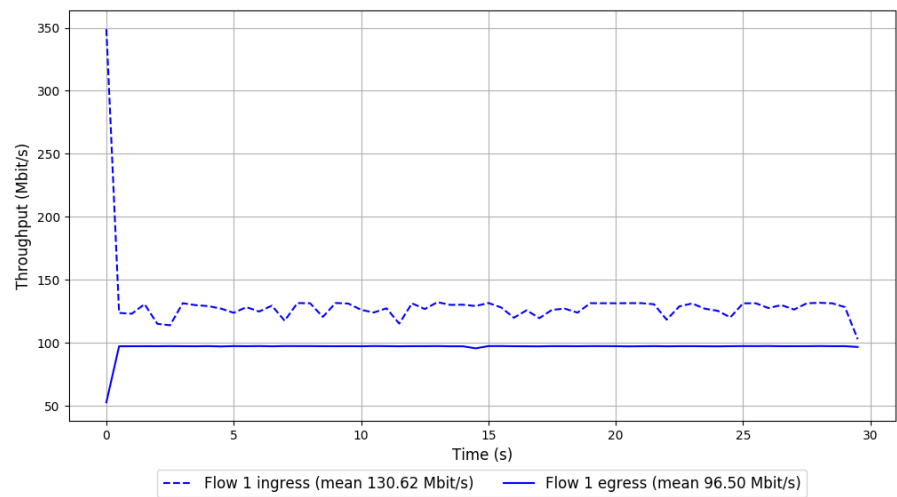Flow 1 (95th percentile 69.25 ms)

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```
Run 4: Statistics of FillP

Start at: 2018-01-08 23:15:04
End at: 2018-01-08 23:15:34
Local clock offset: 1.321 ms
Remote clock offset: -4.929 ms


# Below is generated by plot.py at 2018-01-09 02:45:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 66.291 ms
Loss rate: 26.05%
-- Flow 1:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 66.291 ms
Loss rate: 26.05%
```
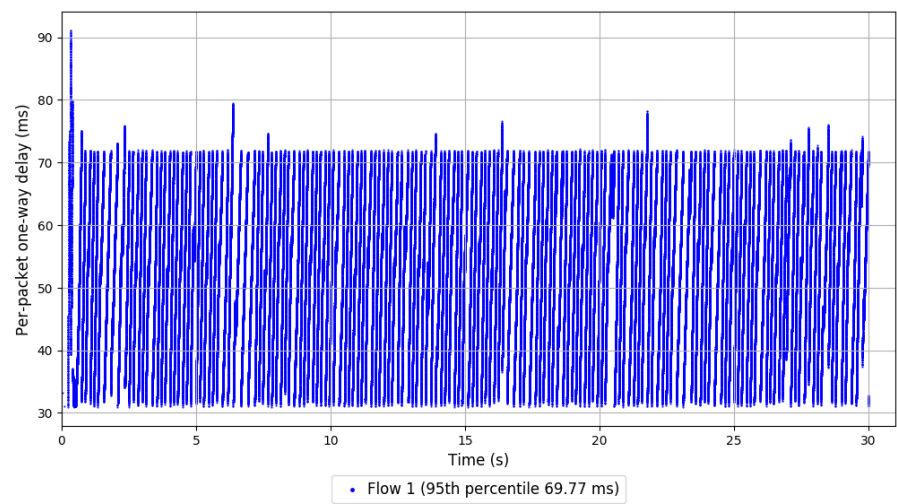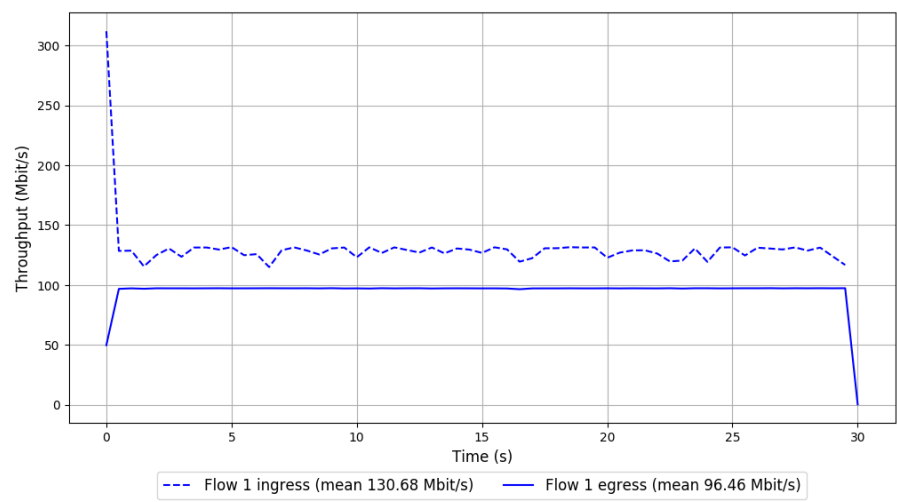
Run 4: Report of FillP — Data Link

```
Run 5: Statistics of FillP

Start at: 2018-01-08 23:35:03
End at: 2018-01-08 23:35:33
Local clock offset: 1.199 ms
Remote clock offset: -2.519 ms


# Below is generated by plot.py at 2018-01-09 02:45:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 69.771 ms
Loss rate: 26.19%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 69.771 ms
Loss rate: 26.19%
```

Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 130.68 Mbit/s)   Flow 1 egress (mean 96.46 Mbit/s)
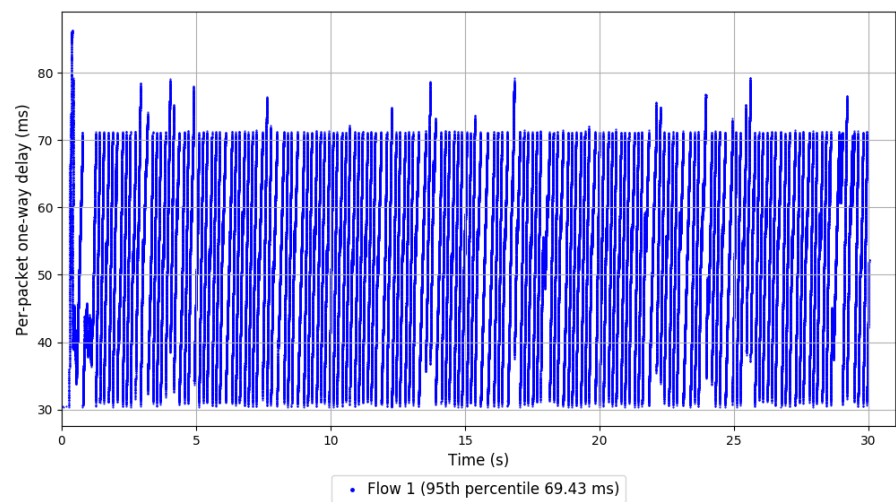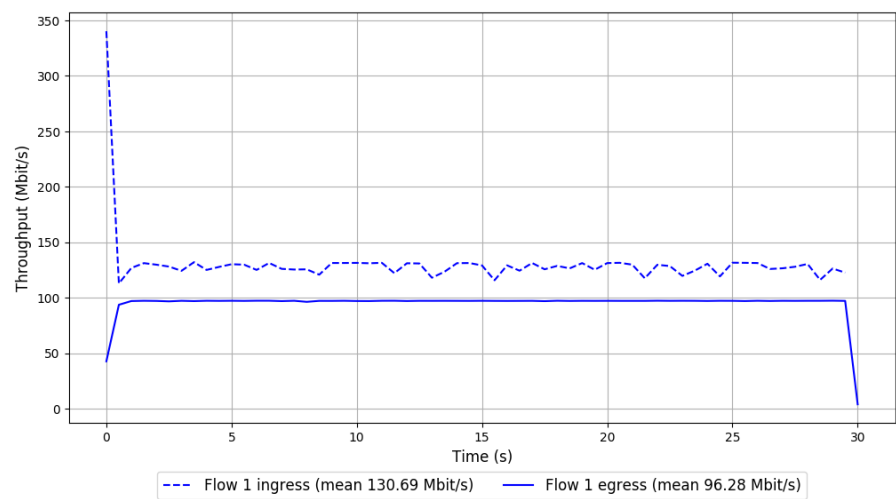

Flow 1 (95th percentile 69.77 ms)

```
Run 6: Statistics of FillP

Start at: 2018-01-08 23:55:19
End at: 2018-01-08 23:55:49
Local clock offset: 1.176 ms
Remote clock offset: -2.408 ms


# Below is generated by plot.py at 2018-01-09 02:45:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 69.430 ms
Loss rate: 26.28%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 69.430 ms
Loss rate: 26.28%
```

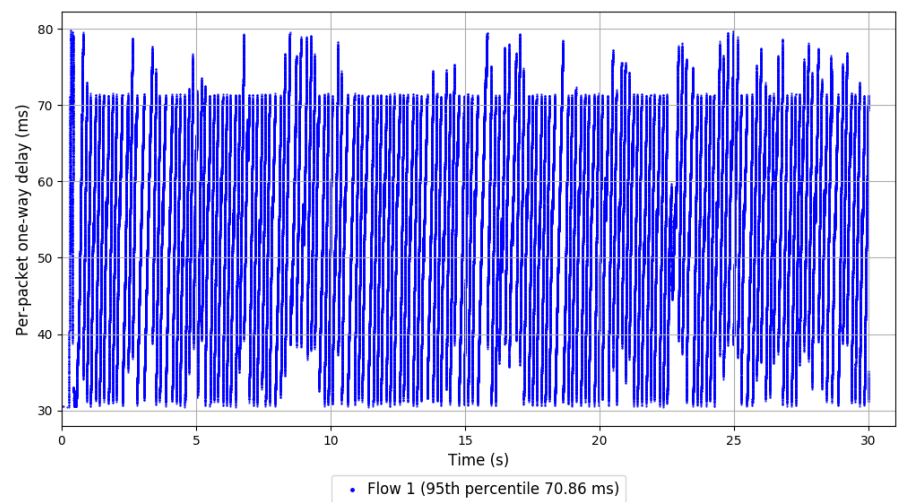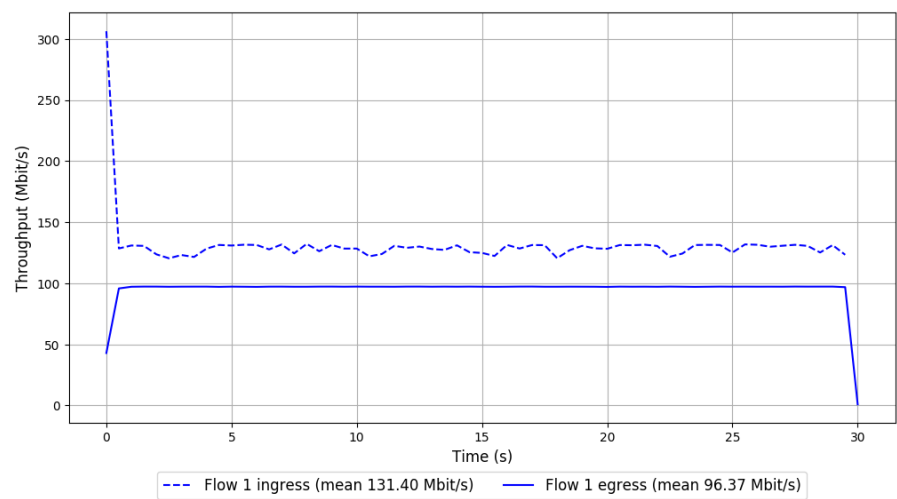## Run 6: Report of FillP — Data Link

```
Run 7: Statistics of FillP

Start at: 2018-01-09 00:16:20
End at: 2018-01-09 00:16:50
Local clock offset: 1.39 ms
Remote clock offset: -2.741 ms


# Below is generated by plot.py at 2018-01-09 02:45:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 70.855 ms
Loss rate: 26.65%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 70.855 ms
Loss rate: 26.65%
```

Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 131.40 Mbit/s)　　　Flow 1 egress (mean 96.37 Mbit/s)

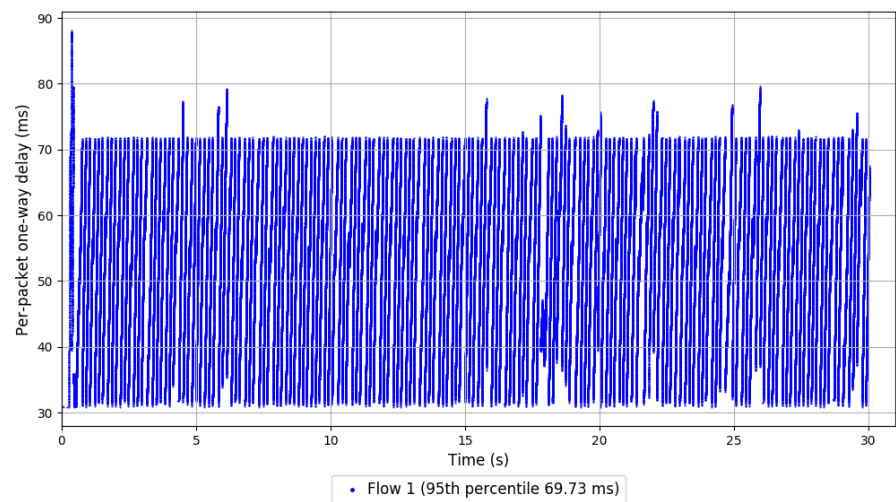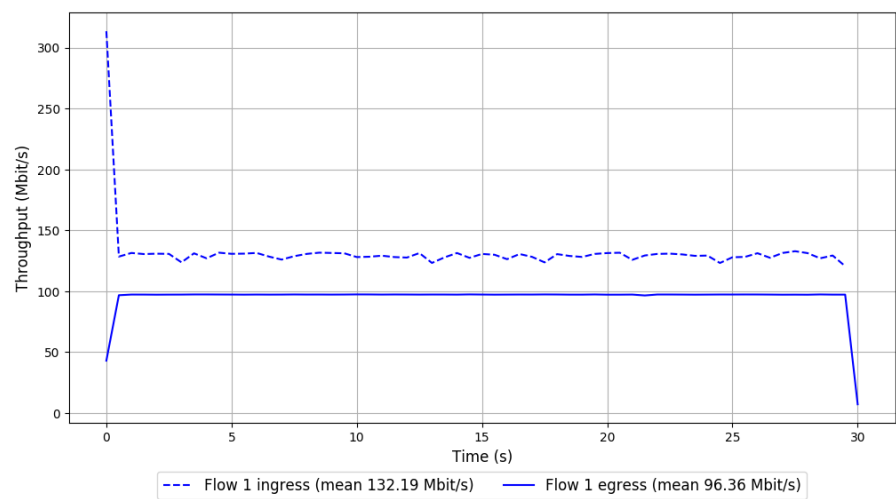• Flow 1 (95th percentile 70.86 ms)

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```
Run 8: Statistics of FillP

Start at: 2018-01-09 00:37:23
End at: 2018-01-09 00:37:53
Local clock offset: 1.614 ms
Remote clock offset: -2.982 ms


# Below is generated by plot.py at 2018-01-09 02:47:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 69.727 ms
Loss rate: 27.02%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 69.727 ms
Loss rate: 27.02%
```

Run 8: Report of FillP — Data Link

Flow 1 ingress (mean 132.19 Mbit/s) --- Flow 1 egress (mean 96.36 Mbit/s)

• Flow 1 (95th percentile 69.73 ms)

```
Run 9: Statistics of FillP

Start at: 2018-01-09 00:58:30
End at: 2018-01-09 00:59:00
Local clock offset: 1.413 ms
Remote clock offset: -2.87 ms


# Below is generated by plot.py at 2018-01-09 02:48:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 70.980 ms
Loss rate: 26.44%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 70.980 ms
Loss rate: 26.44%
```
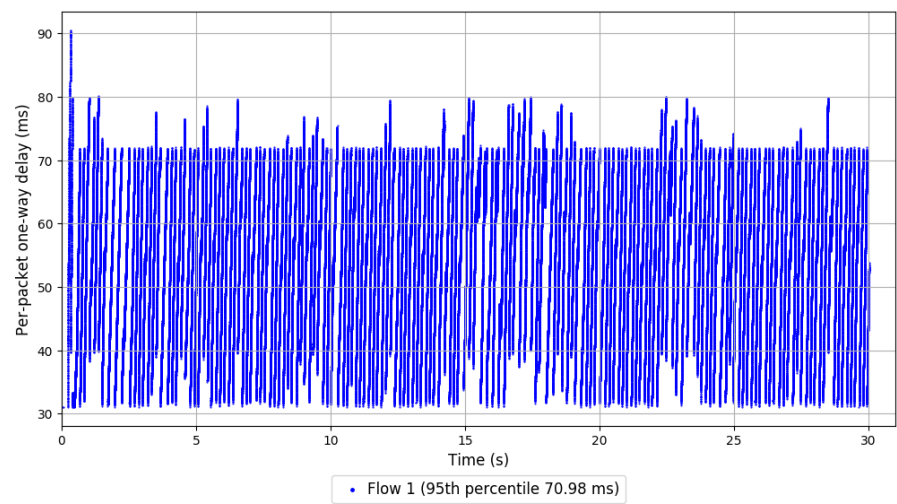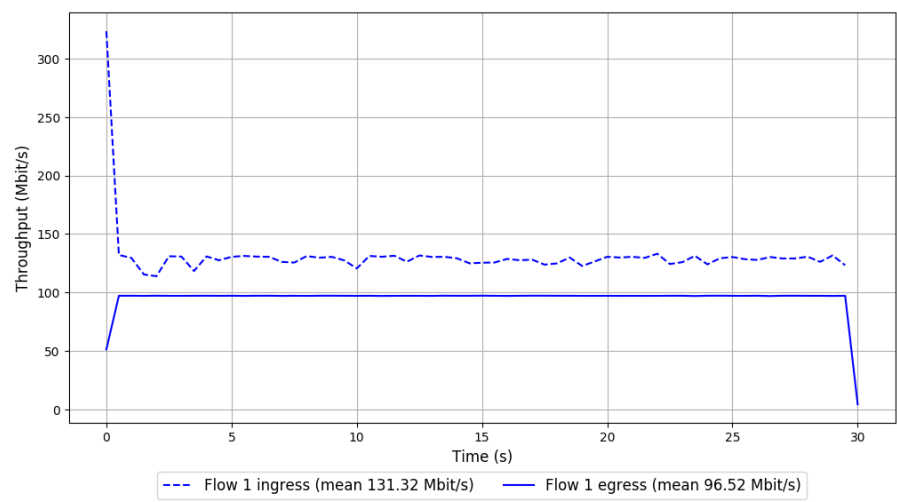
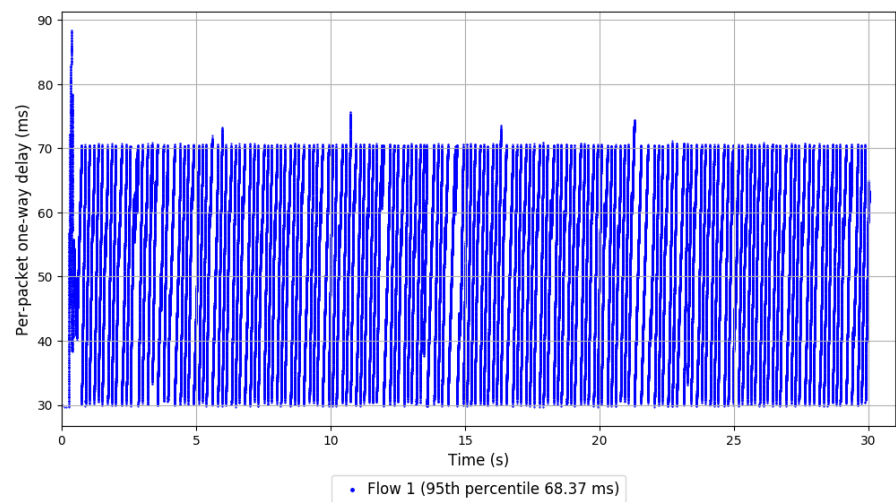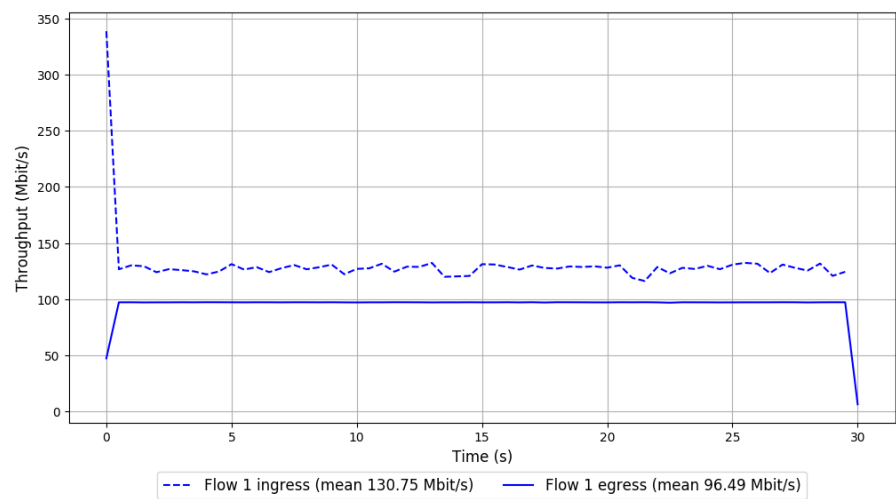## Run 9: Report of FillP — Data Link

```
Run 10: Statistics of FillP

Start at: 2018-01-09 01:20:49
End at: 2018-01-09 01:21:19
Local clock offset: 1.372 ms
Remote clock offset: -2.309 ms


# Below is generated by plot.py at 2018-01-09 02:48:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 68.366 ms
Loss rate: 26.12%
-- Flow 1:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 68.366 ms
Loss rate: 26.12%
```

Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 130.75 Mbit/s) --- Flow 1 egress (mean 96.49 Mbit/s)
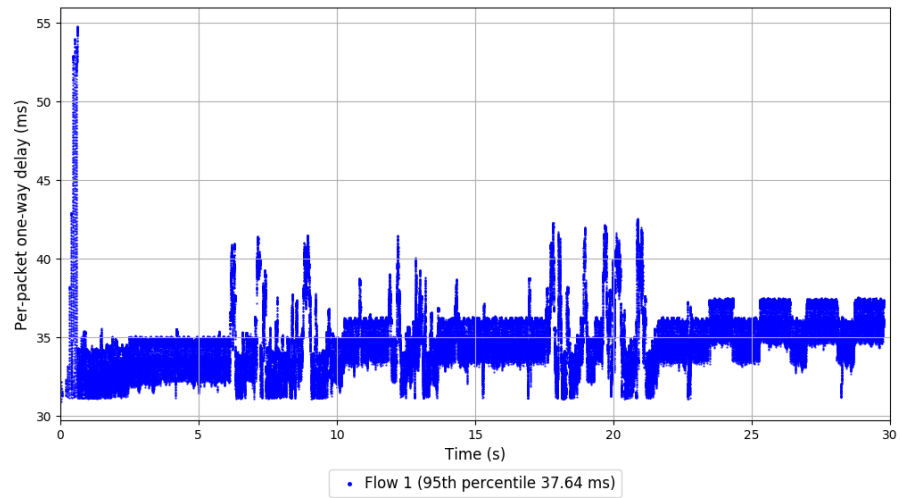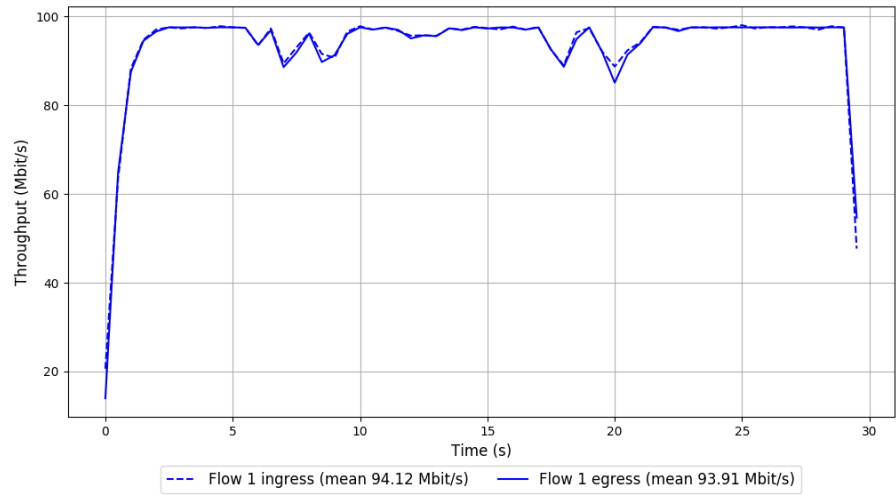

Flow 1 (95th percentile 68.37 ms)

```
Run 1: Statistics of Indigo

Start at: 2018-01-08 22:17:19
End at: 2018-01-08 22:17:49
Local clock offset: 1.612 ms
Remote clock offset: -1.143 ms


# Below is generated by plot.py at 2018-01-09 02:48:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 37.642 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 37.642 ms
Loss rate: 0.21%
```

Run 1: Report of Indigo — Data Link

Flow 1 ingress (mean 94.12 Mbit/s)   Flow 1 egress (mean 93.91 Mbit/s)

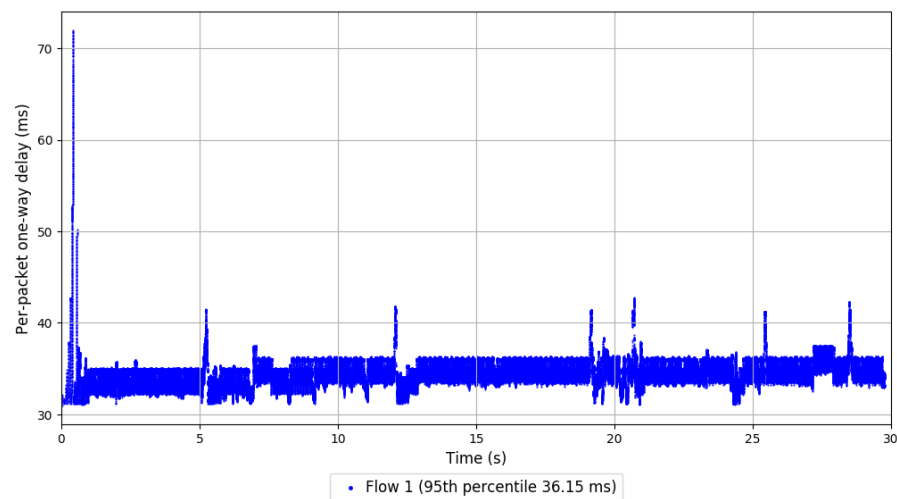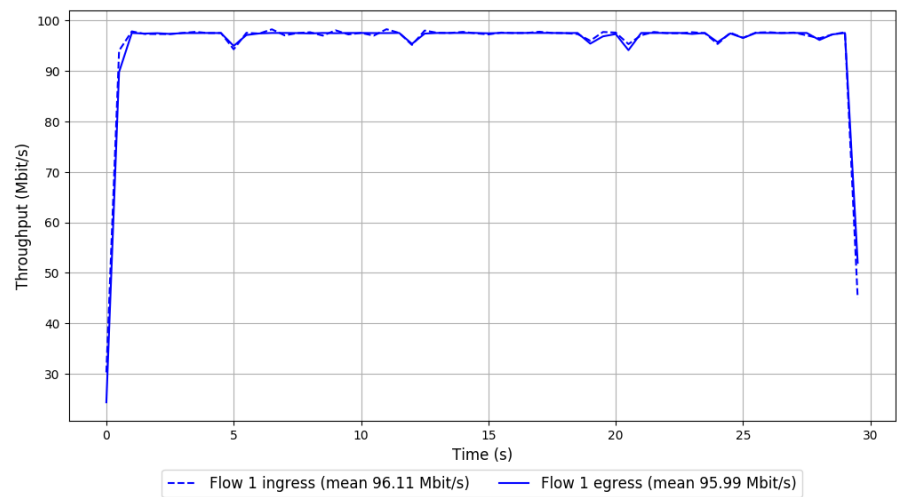

• Flow 1 (95th percentile 37.64 ms)

```
Run 2: Statistics of Indigo

Start at: 2018-01-08 22:37:28
End at: 2018-01-08 22:37:58
Local clock offset: 1.479 ms
Remote clock offset: -0.846 ms

# Below is generated by plot.py at 2018-01-09 02:48:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 36.147 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 36.147 ms
Loss rate: 0.12%
```
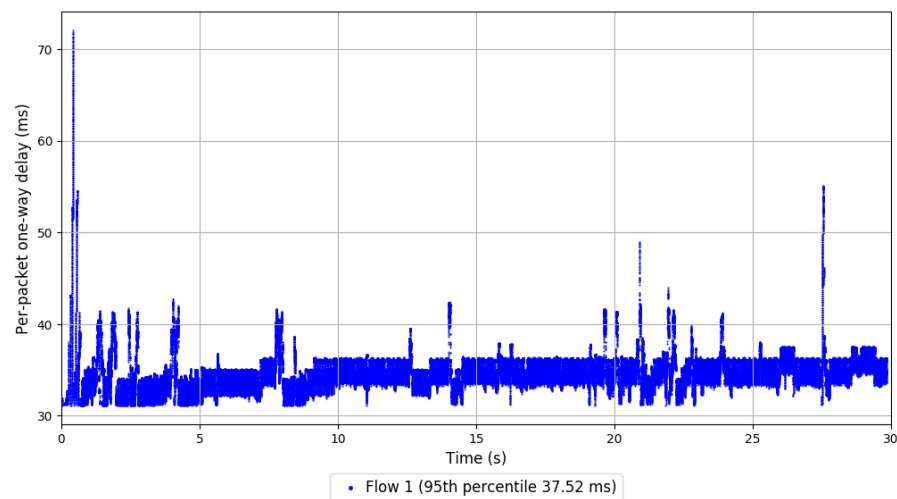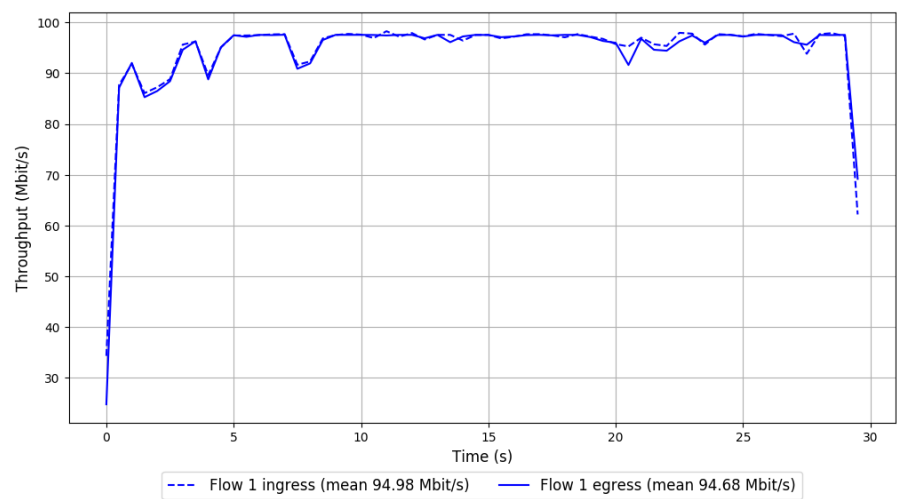
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2018-01-08 22:57:31
End at: 2018-01-08 22:58:01
Local clock offset: 1.27 ms
Remote clock offset: -1.262 ms


# Below is generated by plot.py at 2018-01-09 02:48:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 37.518 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 37.518 ms
Loss rate: 0.30%
```

Run 3: Report of Indigo — Data Link

Flow 1 ingress (mean 94.98 Mbit/s) — Flow 1 egress (mean 94.68 Mbit/s)

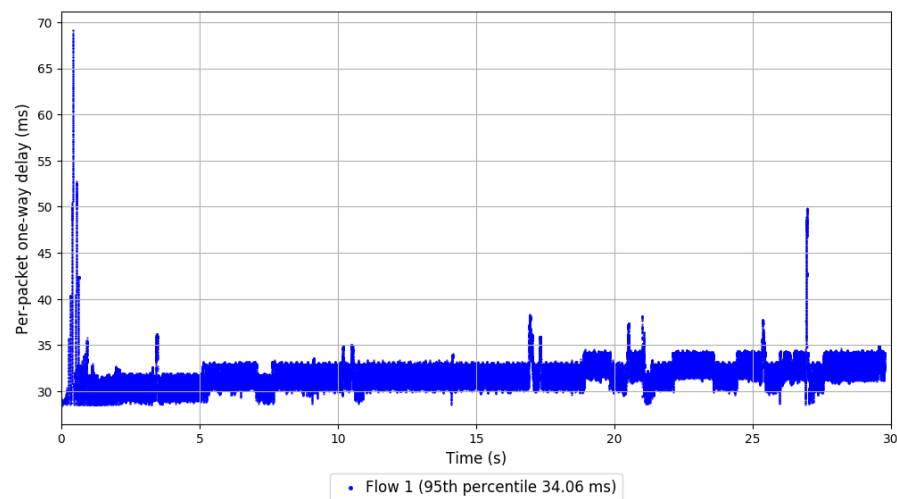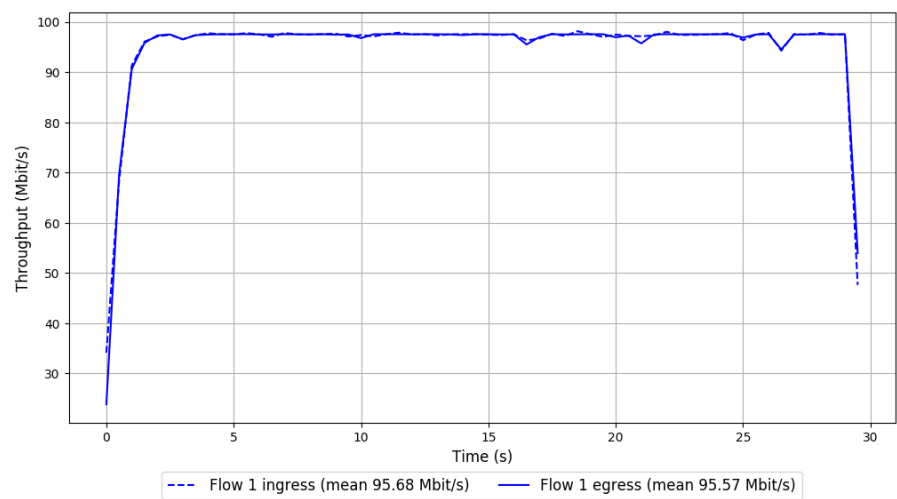

• Flow 1 (95th percentile 37.52 ms)

```
Run 4: Statistics of Indigo

Start at: 2018-01-08 23:17:41
End at: 2018-01-08 23:18:11
Local clock offset: 1.213 ms
Remote clock offset: -4.915 ms


# Below is generated by plot.py at 2018-01-09 02:48:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 34.062 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 34.062 ms
Loss rate: 0.11%
```

Run 4: Report of Indigo — Data Link

Flow 1 ingress (mean 95.68 Mbit/s) --- Flow 1 egress (mean 95.57 Mbit/s)
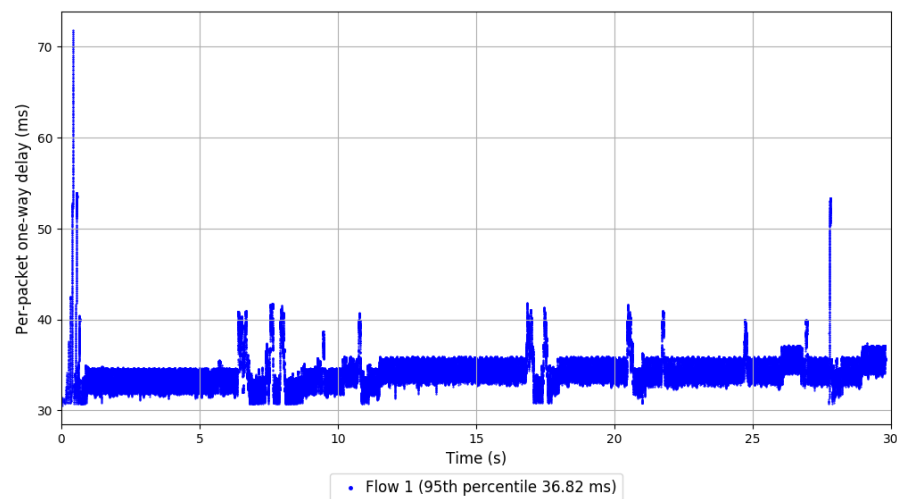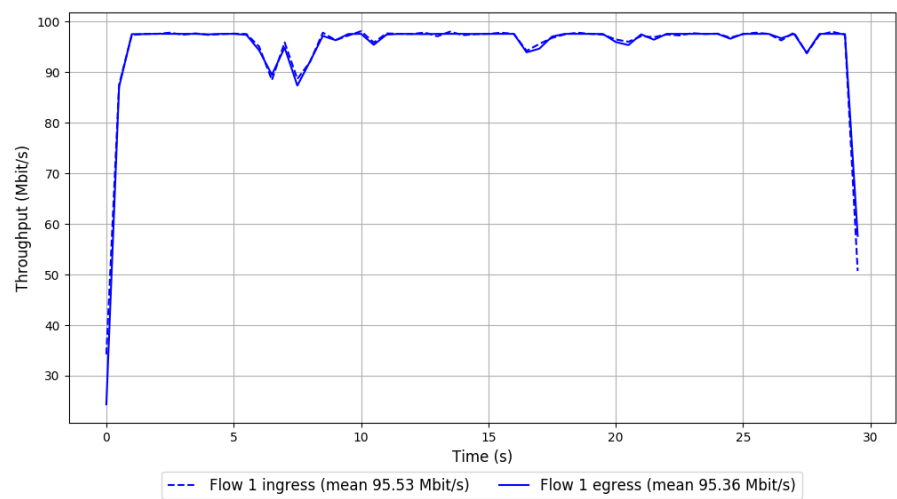

Flow 1 (95th percentile 34.06 ms)

```
Run 5: Statistics of Indigo

Start at: 2018-01-08 23:37:40
End at: 2018-01-08 23:38:10
Local clock offset: 1.215 ms
Remote clock offset: -2.769 ms


# Below is generated by plot.py at 2018-01-09 02:48:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 36.824 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 36.824 ms
Loss rate: 0.17%
```

Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2018-01-08 23:57:56
End at: 2018-01-08 23:58:26
Local clock offset: 1.273 ms
Remote clock offset: -2.783 ms


# Below is generated by plot.py at 2018-01-09 02:49:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 36.686 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 36.686 ms
Loss rate: 0.17%
```
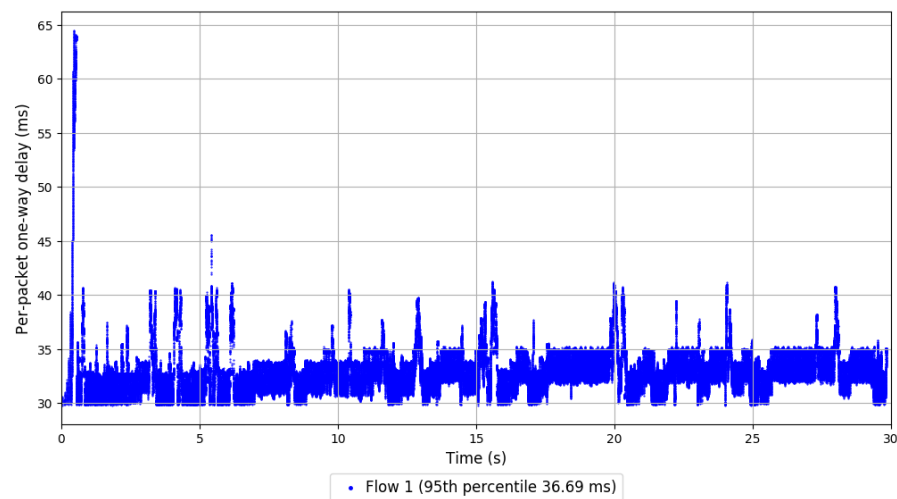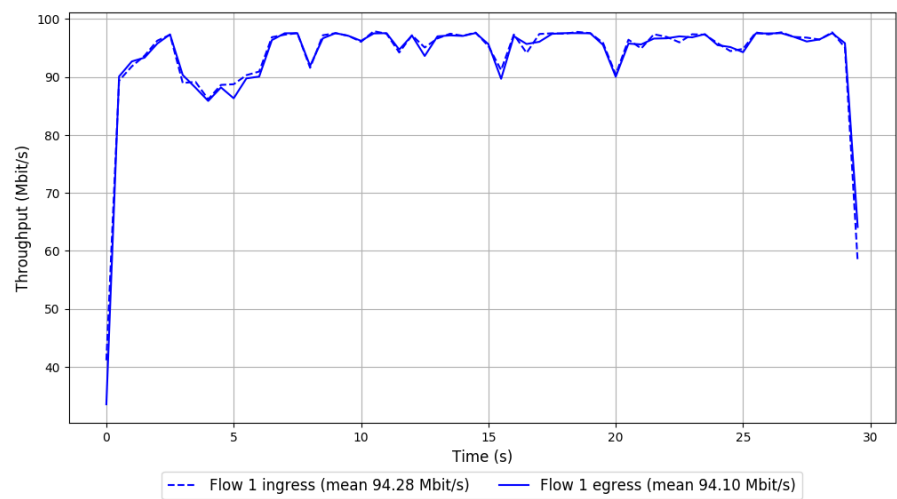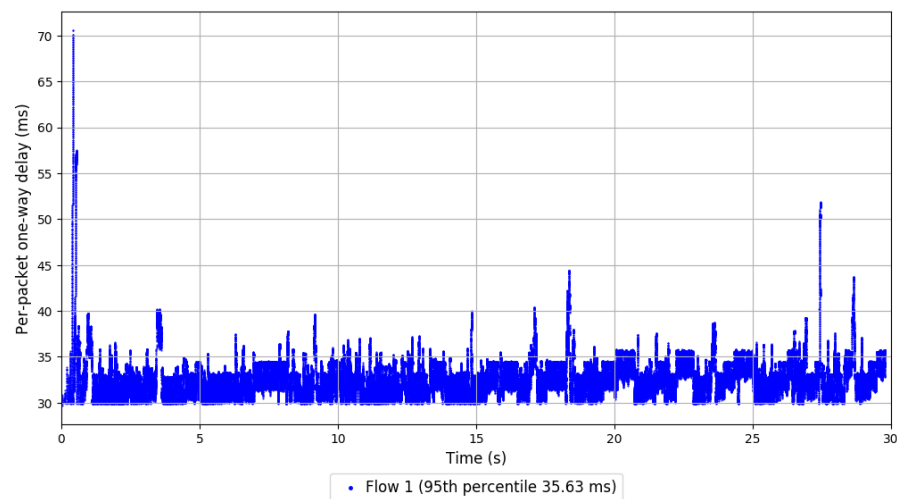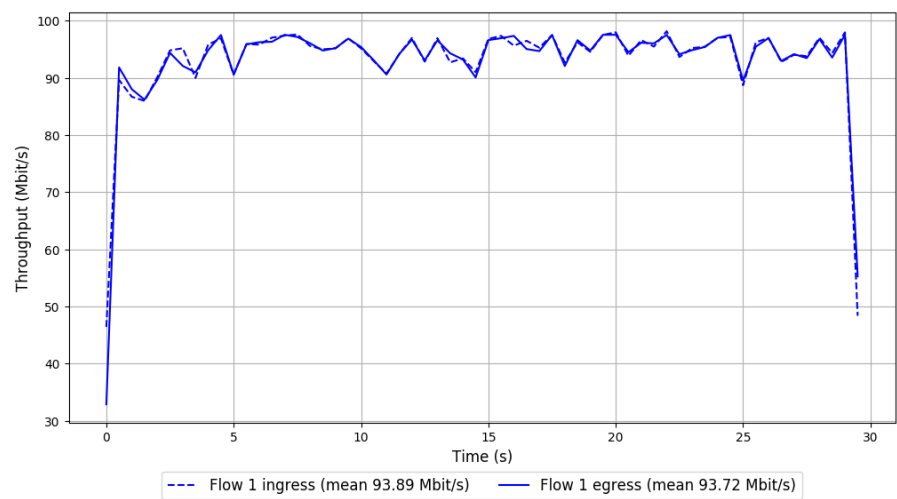
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2018-01-09 00:19:01
End at: 2018-01-09 00:19:31
Local clock offset: 1.43 ms
Remote clock offset: -2.707 ms


# Below is generated by plot.py at 2018-01-09 02:49:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 35.628 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 35.628 ms
Loss rate: 0.16%
```
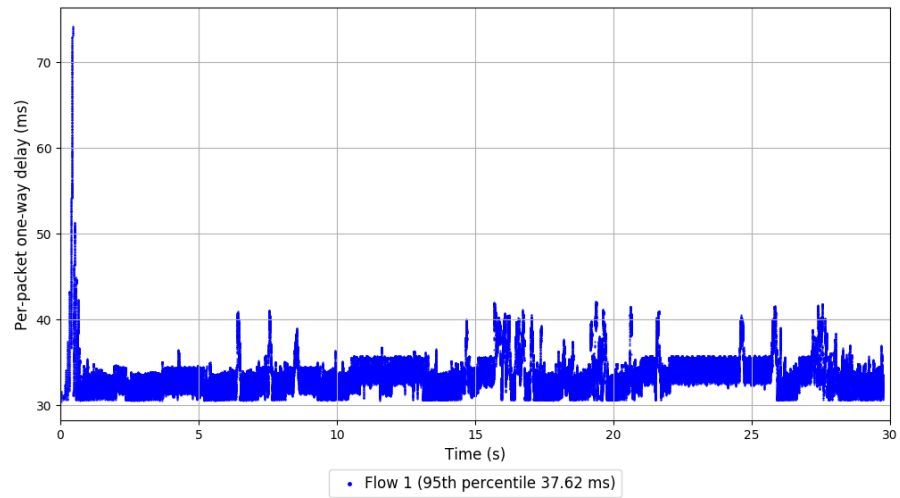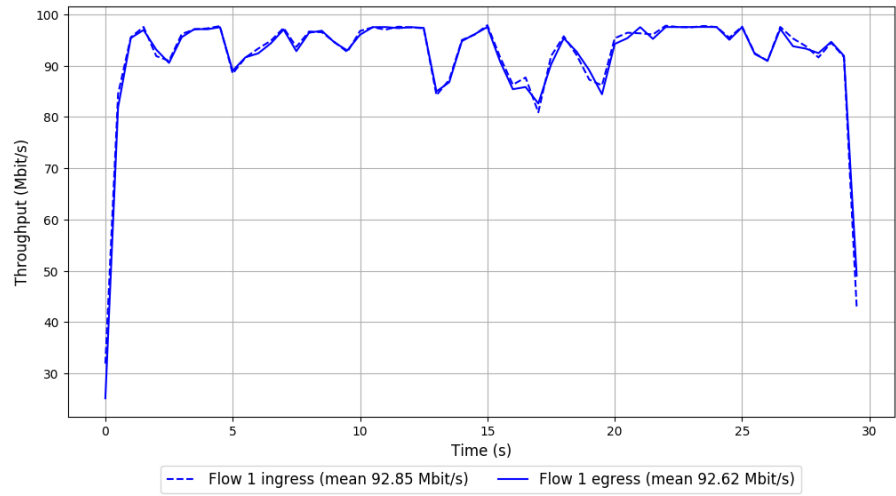
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-01-09 00:40:03
End at: 2018-01-09 00:40:33
Local clock offset: 1.585 ms
Remote clock offset: -3.368 ms


# Below is generated by plot.py at 2018-01-09 02:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 37.624 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 37.624 ms
Loss rate: 0.24%
```

Run 8: Report of Indigo — Data Link

Flow 1 ingress (mean 92.85 Mbit/s)   Flow 1 egress (mean 92.62 Mbit/s)

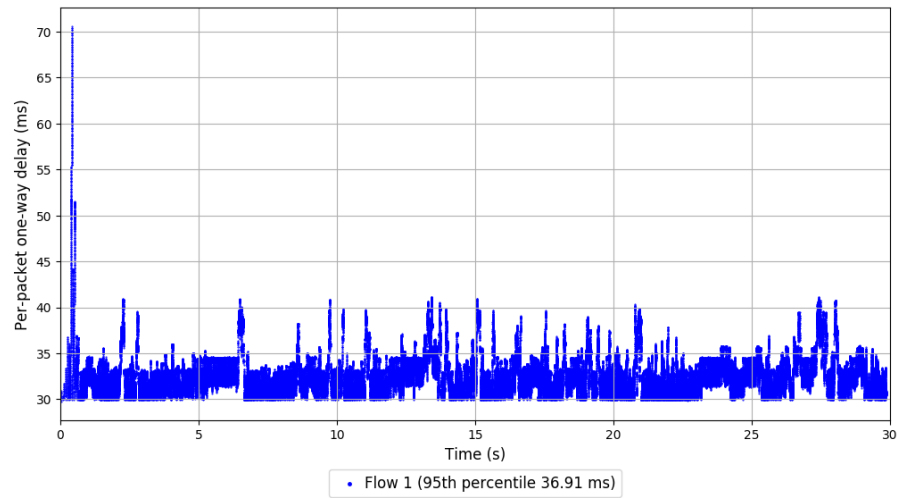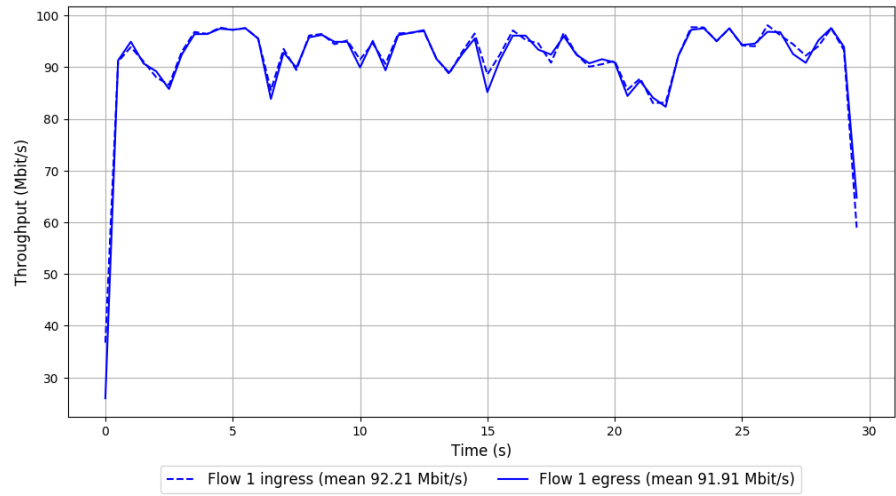

• Flow 1 (95th percentile 37.62 ms)

```
Run 9: Statistics of Indigo

Start at: 2018-01-09 01:01:12
End at: 2018-01-09 01:01:42
Local clock offset: 1.39 ms
Remote clock offset: -3.207 ms


# Below is generated by plot.py at 2018-01-09 02:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 36.909 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 36.909 ms
Loss rate: 0.33%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2018-01-09 01:23:34
End at: 2018-01-09 01:24:04
Local clock offset: 1.262 ms
Remote clock offset: -2.013 ms


# Below is generated by plot.py at 2018-01-09 02:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 34.291 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 34.291 ms
Loss rate: 0.03%
```

Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 80.58 Mbit/s) ----- Flow 1 egress (mean 80.55 Mbit/s) ——

• Flow 1 (95th percentile 34.29 ms)