Pantheon Report

Generated at 2018-01-09 01:23:38 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

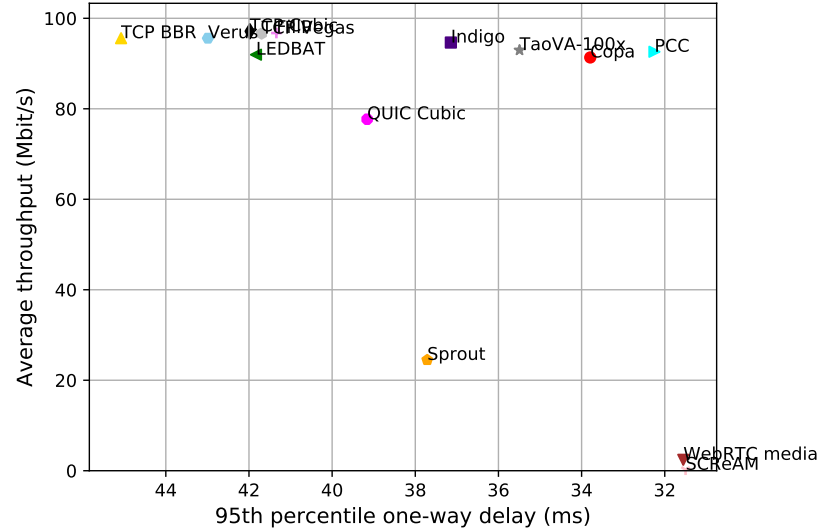Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

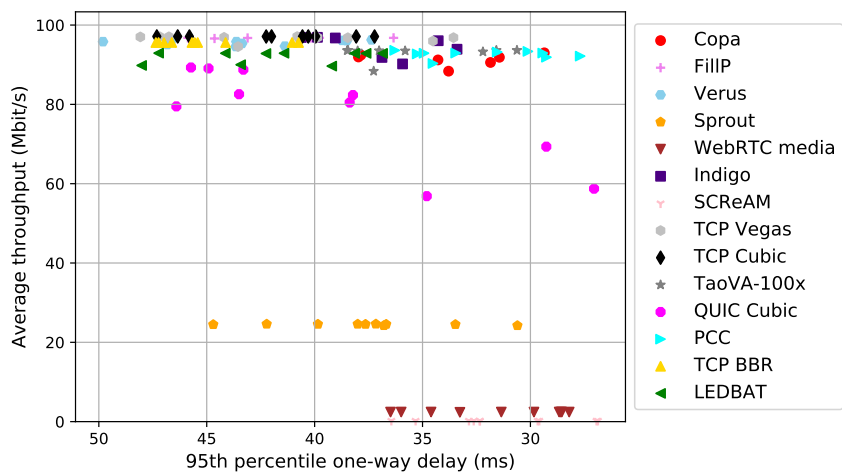NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

```
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 India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from India Ethernet to AWS India 1 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	95.60	45.08	0.13
TCP Cubic	10	97.13	41.98	0.13
LEDBAT	10	91.96	41.83	0.13
PCC	10	92.60	32.25	0.10
QUIC Cubic	10	77.69	39.16	0.09
SCReAM	10	0.21	31.50	0.08
WebRTC media	10	2.41	31.55	0.10
Sprout	10	24.50	37.71	0.10
TaoVA-100x	9	92.97	35.49	0.10
TCP Vegas	10	96.62	41.70	0.09
Verus	10	95.60	42.99	0.13
Copa	7	91.34	33.79	0.10
FillP	10	96.74	41.34	0.12
Indigo	7	94.64	37.14	0.09

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-08 19:03:07
End at: 2018-01-08 19:03:37
Local clock offset: 9.566 ms
Remote clock offset: -9.468 ms

# Below is generated by plot.py at 2018-01-09 00:47:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 46.977 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 46.977 ms
Loss rate: 0.13%
```
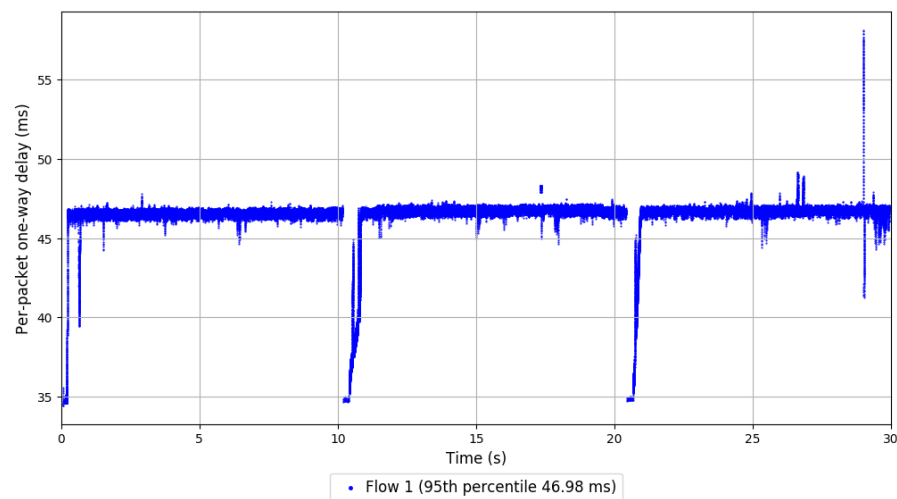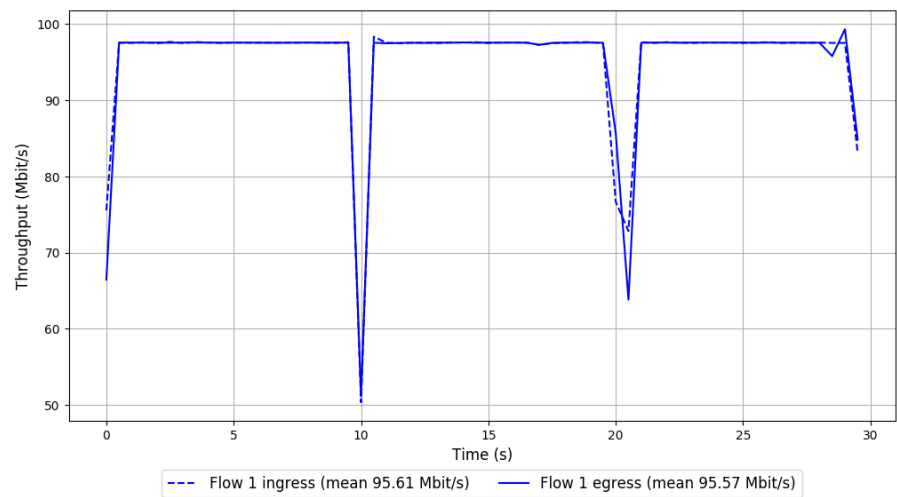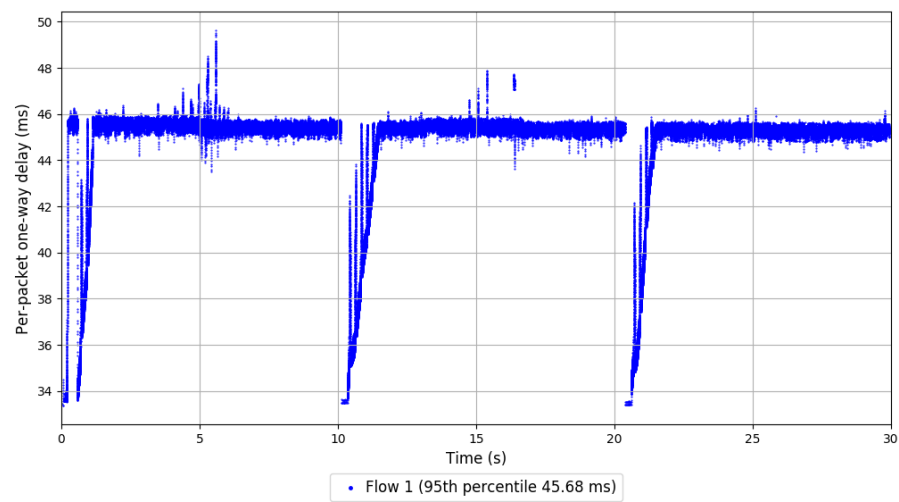
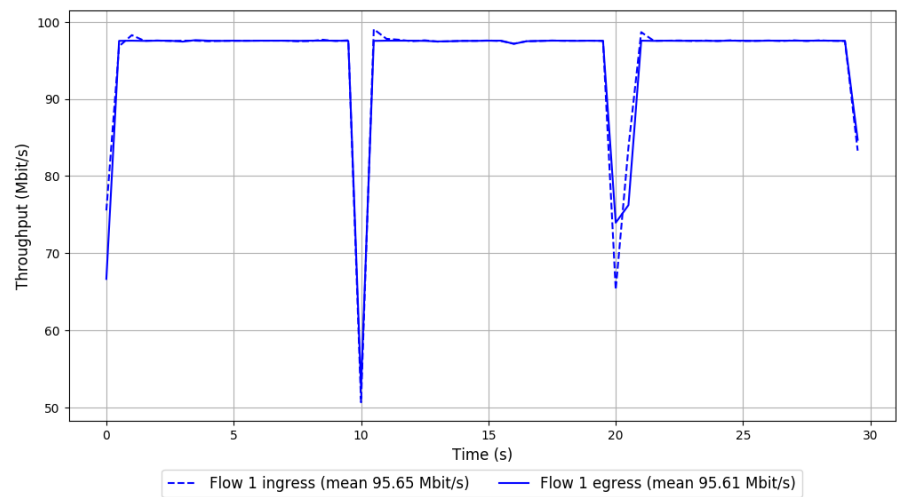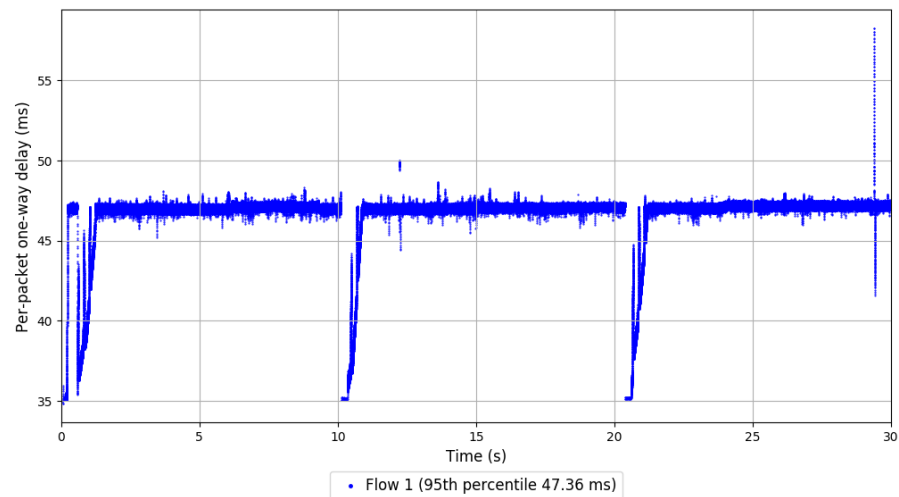Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-01-08 19:20:40
End at: 2018-01-08 19:21:10
Local clock offset: 8.26 ms
Remote clock offset: -11.038 ms


# Below is generated by plot.py at 2018-01-09 00:47:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 45.684 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 45.684 ms
Loss rate: 0.13%
```
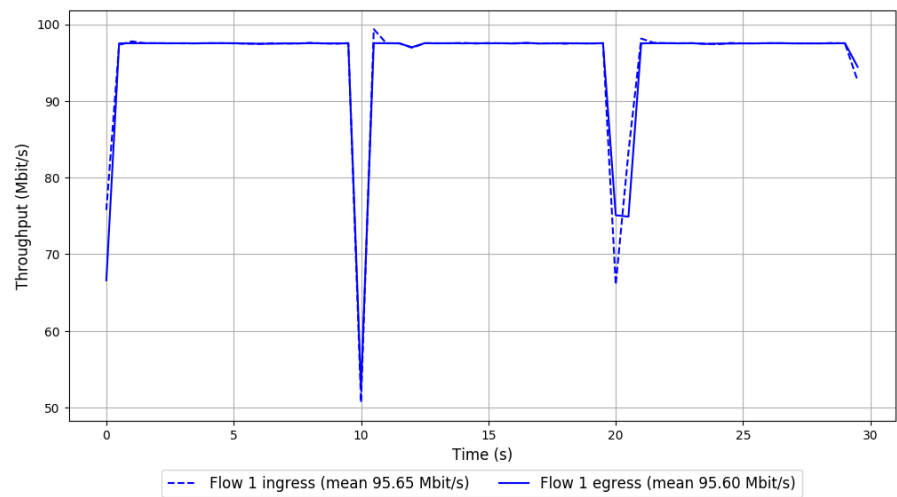
Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2018-01-08 19:38:18
End at: 2018-01-08 19:38:48
Local clock offset: 10.551 ms
Remote clock offset: -12.91 ms


# Below is generated by plot.py at 2018-01-09 00:47:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 47.357 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 47.357 ms
Loss rate: 0.13%
```

Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.65 Mbit/s)   Flow 1 egress (mean 95.60 Mbit/s)

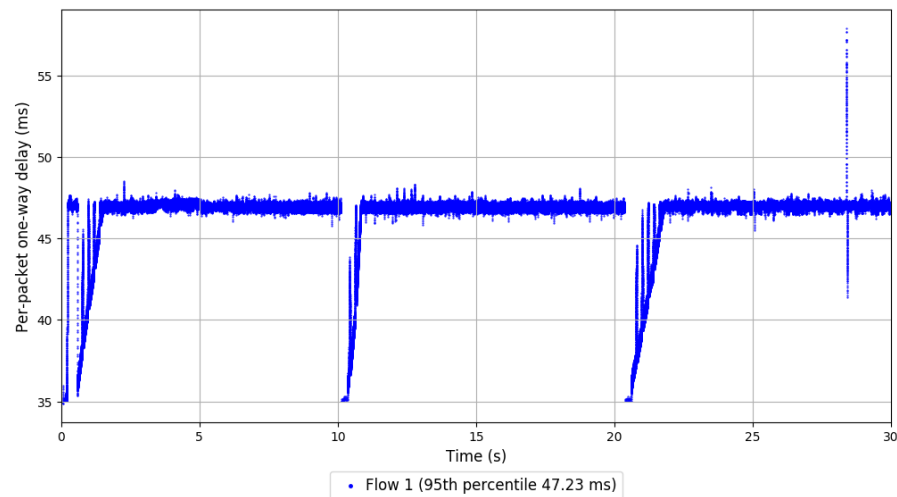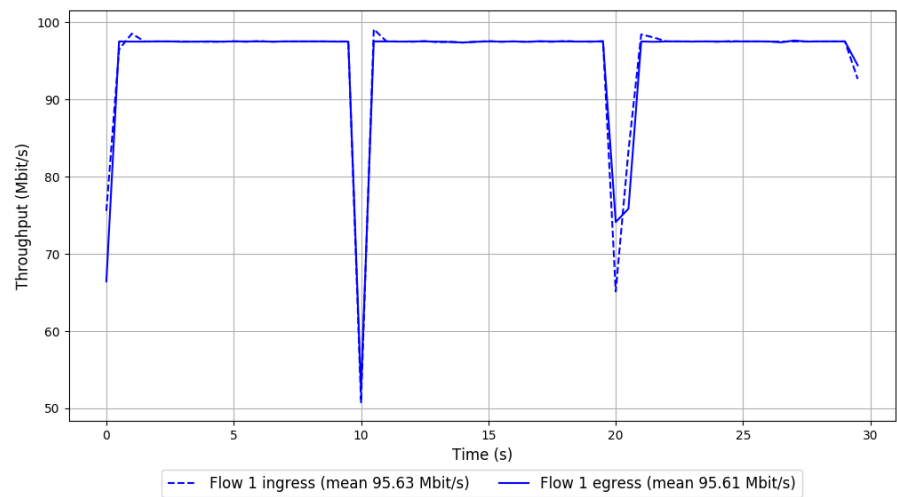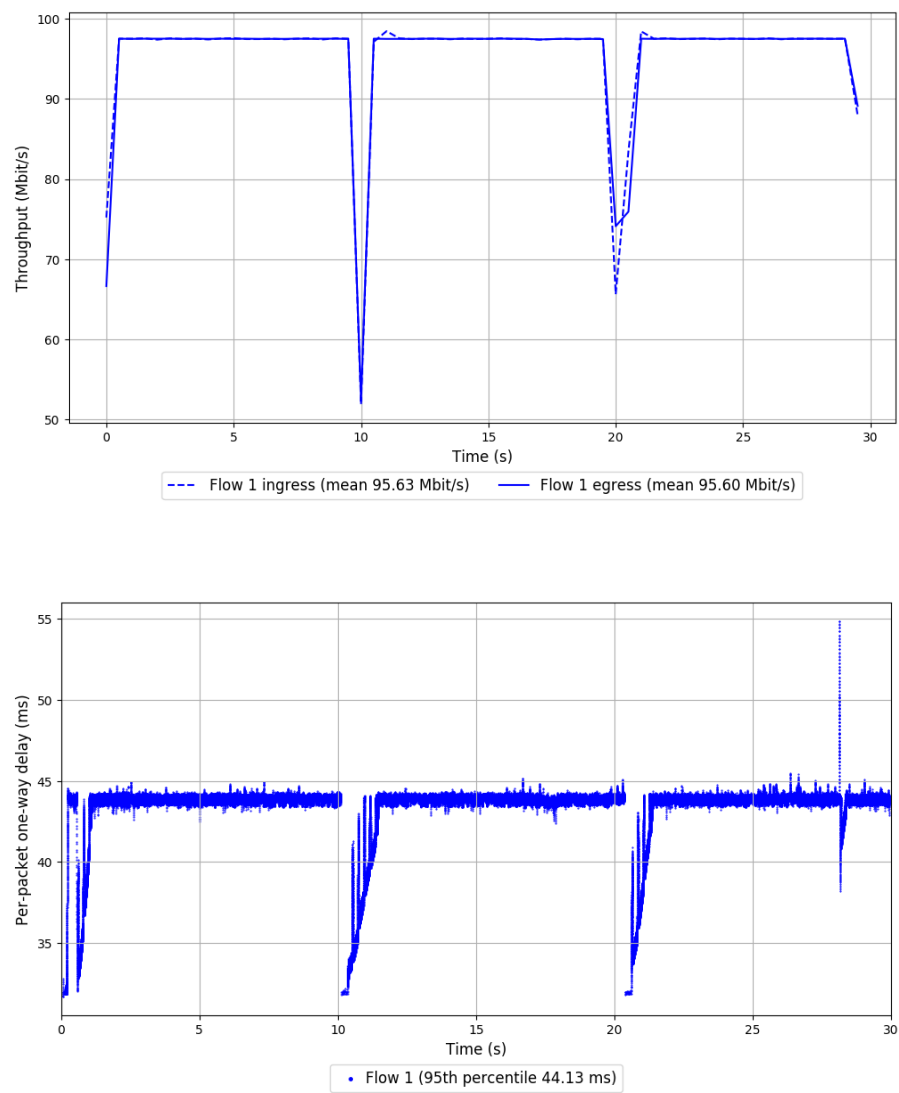Flow 1 (95th percentile 47.36 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-01-08 19:56:20
End at: 2018-01-08 19:56:50
Local clock offset: 11.375 ms
Remote clock offset: -13.101 ms


# Below is generated by plot.py at 2018-01-09 00:47:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 47.232 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 47.232 ms
Loss rate: 0.13%
```
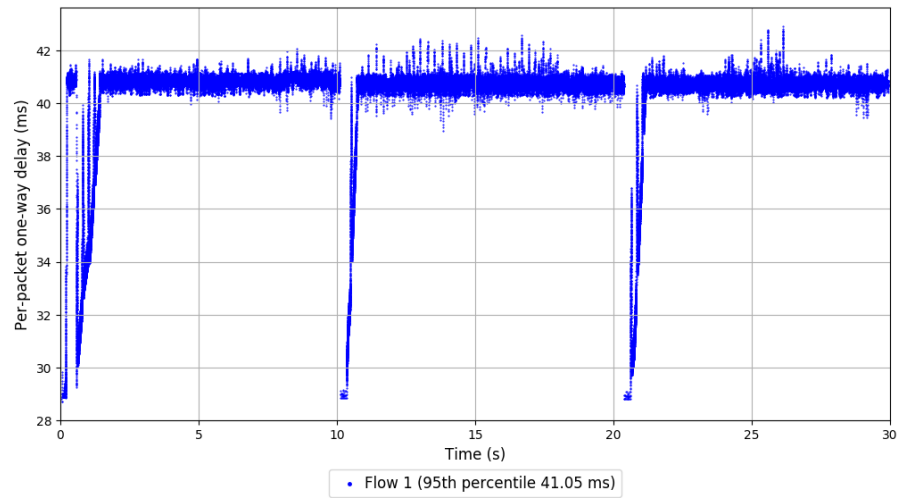
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2018-01-08 20:14:26
End at: 2018-01-08 20:14:56
Local clock offset: 8.623 ms
Remote clock offset: -12.859 ms

# Below is generated by plot.py at 2018-01-09 00:47:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 44.126 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 44.126 ms
Loss rate: 0.13%
```
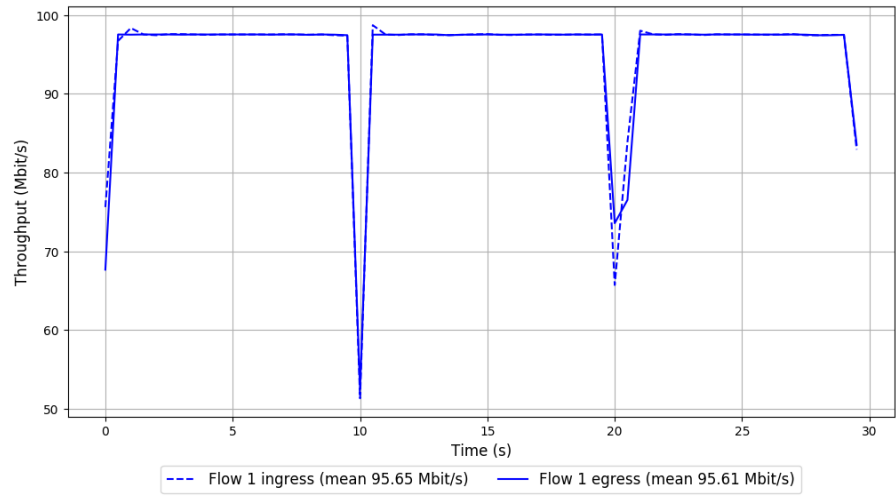
Run 5: Report of TCP BBR — Data Link

13

```
Run 6: Statistics of TCP BBR

Start at: 2018-01-08 20:32:38
End at: 2018-01-08 20:33:08
Local clock offset: 6.214 ms
Remote clock offset: -14.471 ms


# Below is generated by plot.py at 2018-01-09 00:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 41.045 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 41.045 ms
Loss rate: 0.13%
```

Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.65 Mbit/s)   Flow 1 egress (mean 95.61 Mbit/s)
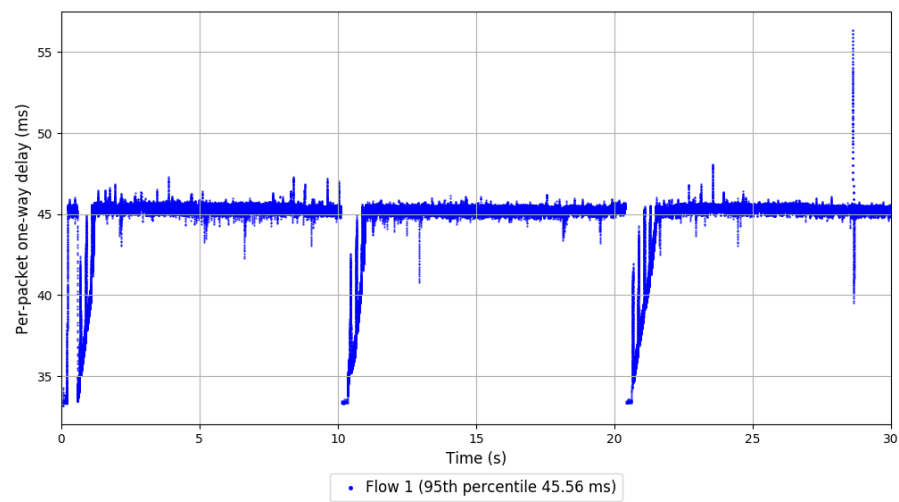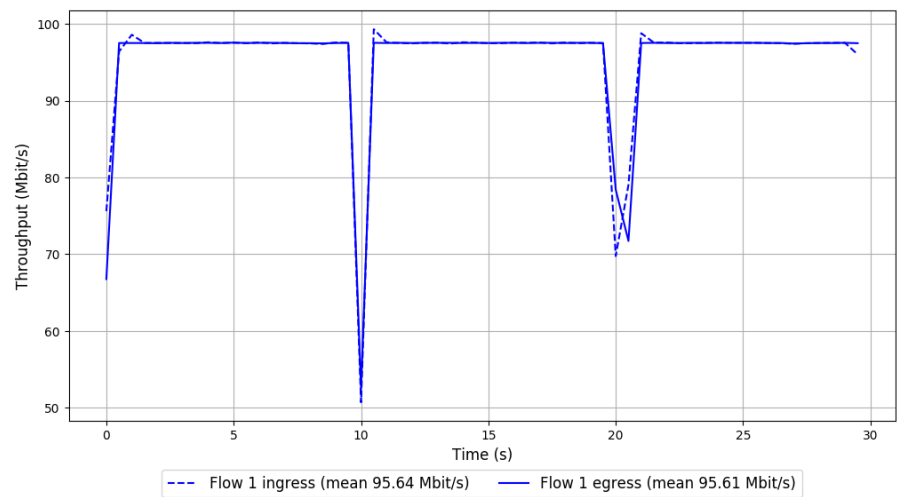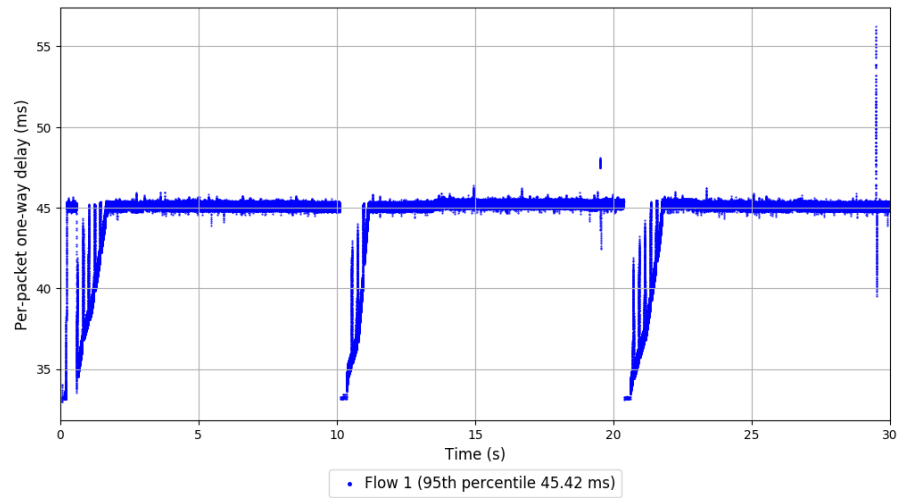

Flow 1 (95th percentile 41.05 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-01-08 20:50:26
End at: 2018-01-08 20:50:56
Local clock offset: 9.073 ms
Remote clock offset: -17.107 ms


# Below is generated by plot.py at 2018-01-09 00:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 45.557 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 45.557 ms
Loss rate: 0.13%
```

Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.64 Mbit/s) — — — Flow 1 egress (mean 95.61 Mbit/s)
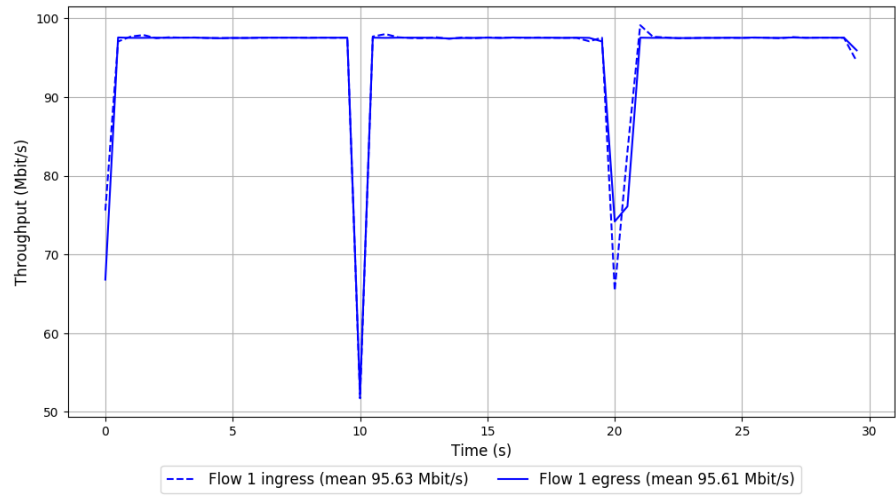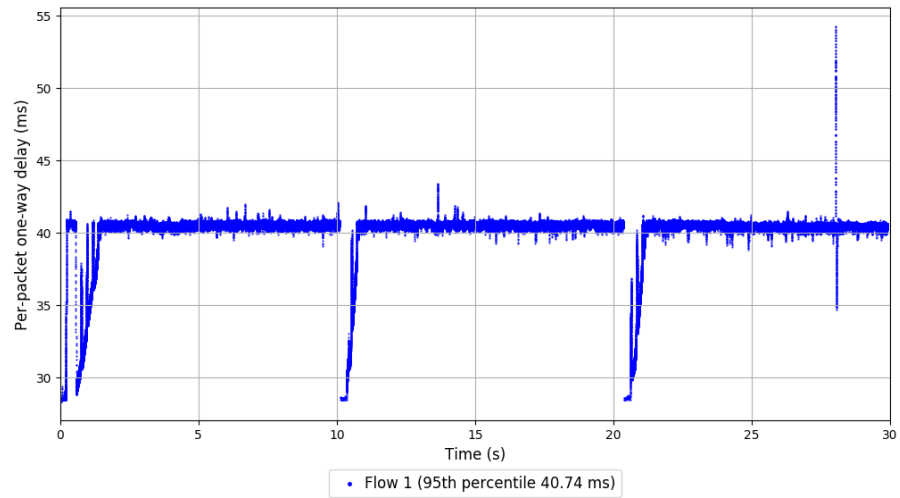

• Flow 1 (95th percentile 45.56 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2018-01-08 21:07:56
End at: 2018-01-08 21:08:27
Local clock offset: 9.148 ms
Remote clock offset: -18.437 ms


# Below is generated by plot.py at 2018-01-09 00:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 45.421 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 45.421 ms
Loss rate: 0.13%
```

Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.63 Mbit/s)   Flow 1 egress (mean 95.61 Mbit/s)
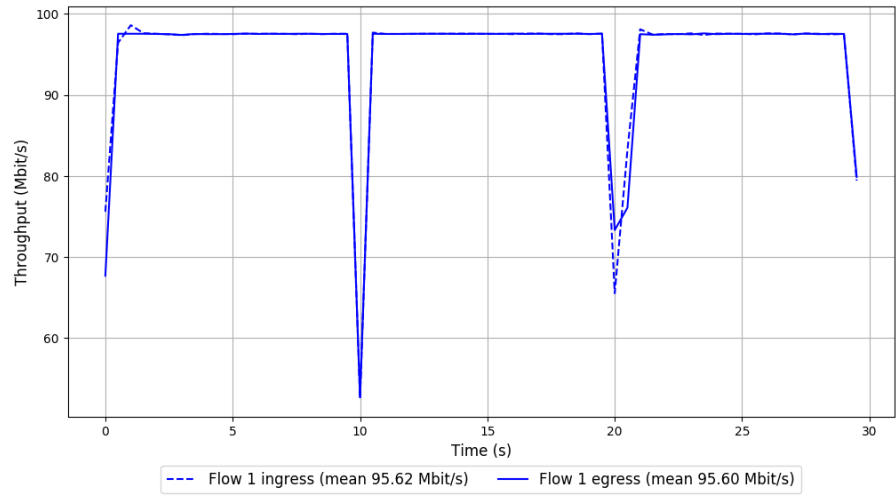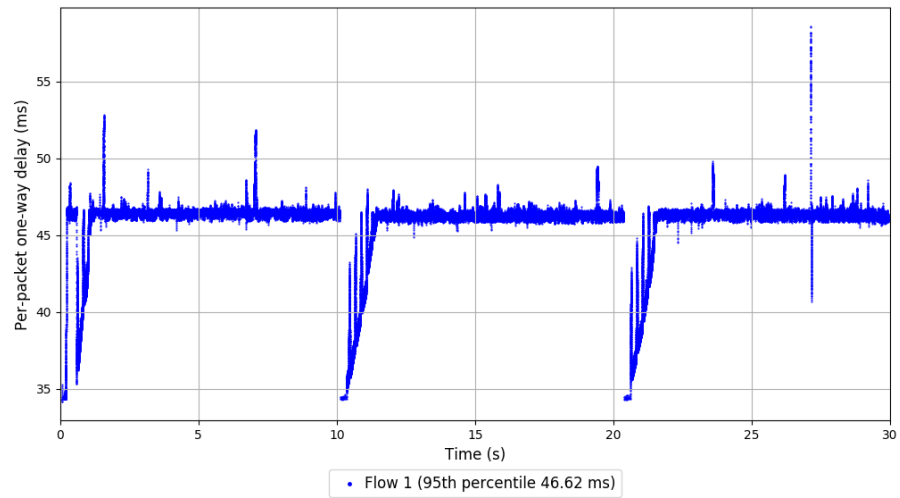

Flow 1 (95th percentile 45.42 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-01-08 21:25:39
End at: 2018-01-08 21:26:09
Local clock offset: 3.078 ms
Remote clock offset: -19.717 ms


# Below is generated by plot.py at 2018-01-09 00:49:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 40.745 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 40.745 ms
Loss rate: 0.13%
```

Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.62 Mbit/s) --- Flow 1 egress (mean 95.60 Mbit/s)

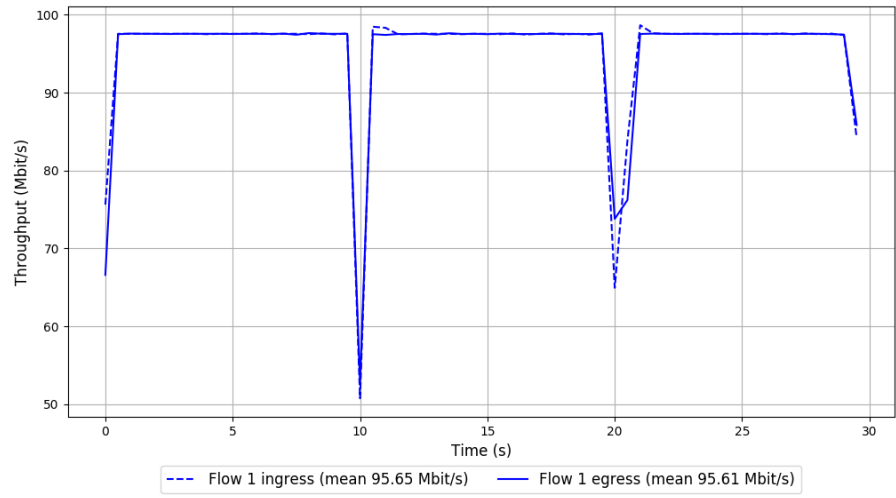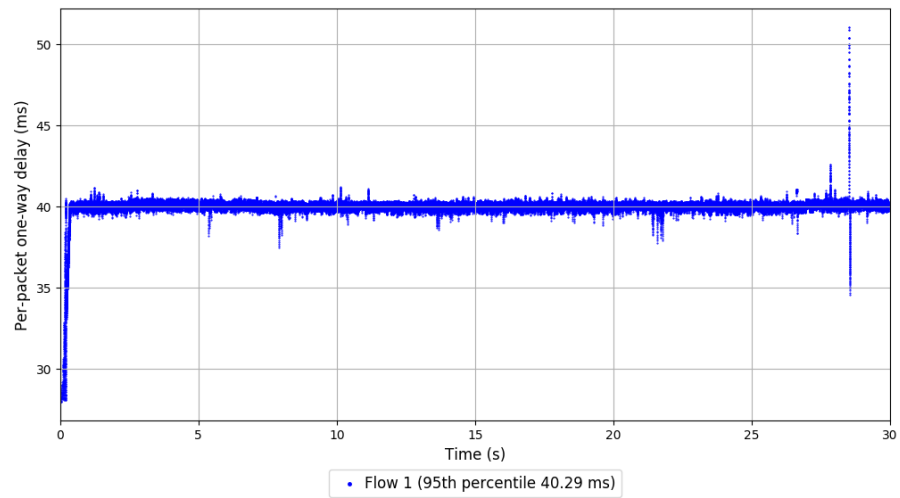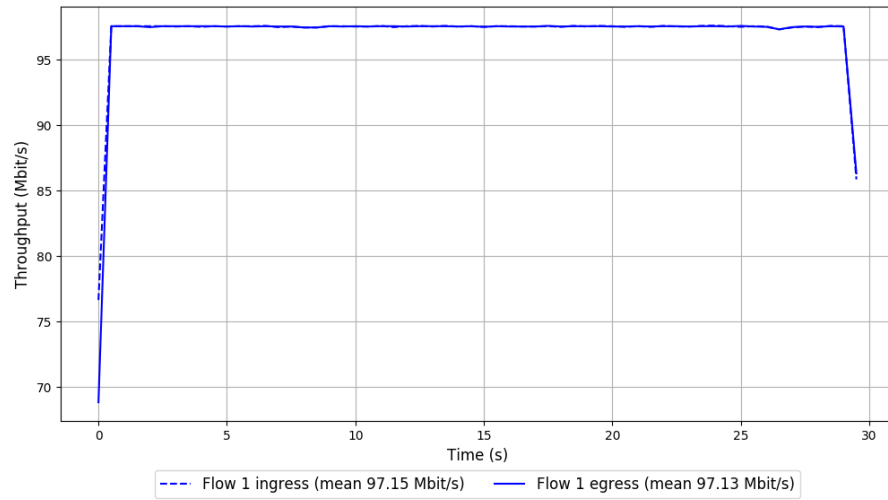Flow 1 (95th percentile 40.74 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-01-08 21:43:36
End at: 2018-01-08 21:44:06
Local clock offset: 12.651 ms
Remote clock offset: -17.53 ms


# Below is generated by plot.py at 2018-01-09 00:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 46.619 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 46.619 ms
Loss rate: 0.13%
```
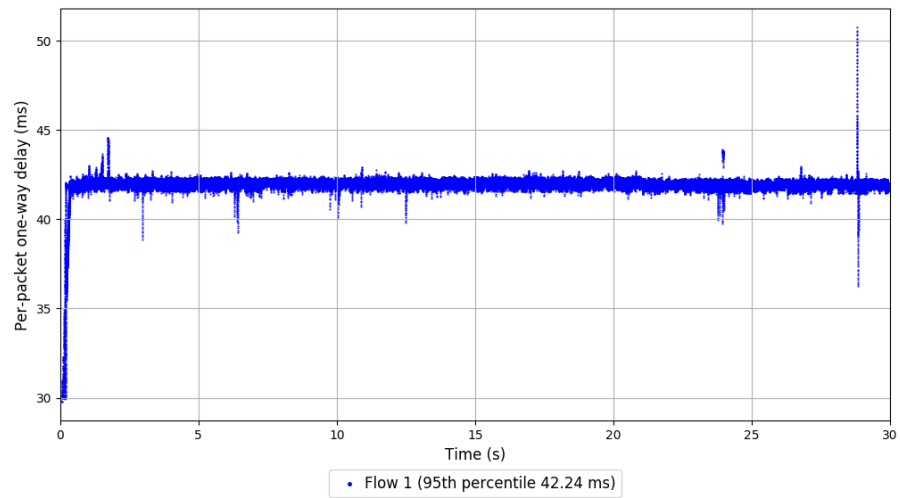
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-08 18:52:43
End at: 2018-01-08 18:53:13
Local clock offset: 3.615 ms
Remote clock offset: -10.204 ms


# Below is generated by plot.py at 2018-01-09 00:50:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 40.293 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 40.293 ms
Loss rate: 0.13%
```
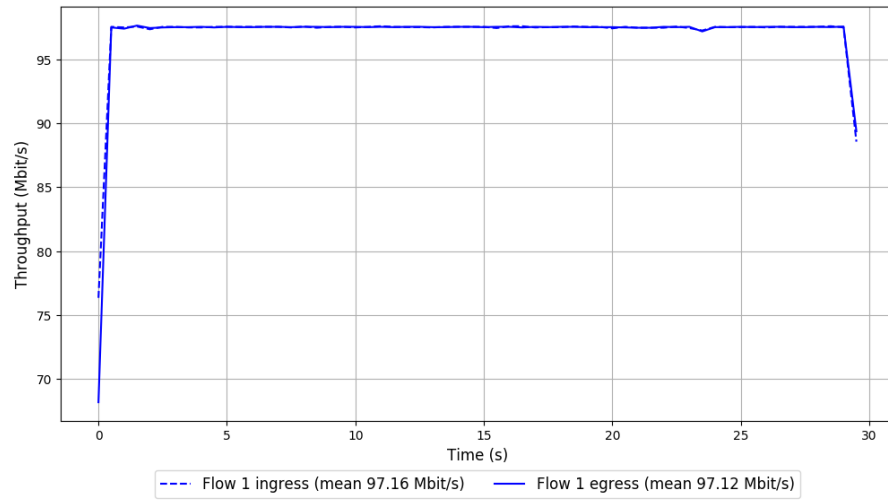
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-01-08 19:10:03
End at: 2018-01-08 19:10:33
Local clock offset: 2.534 ms
Remote clock offset: -10.587 ms

# Below is generated by plot.py at 2018-01-09 00:50:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 42.244 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 42.244 ms
Loss rate: 0.13%
```
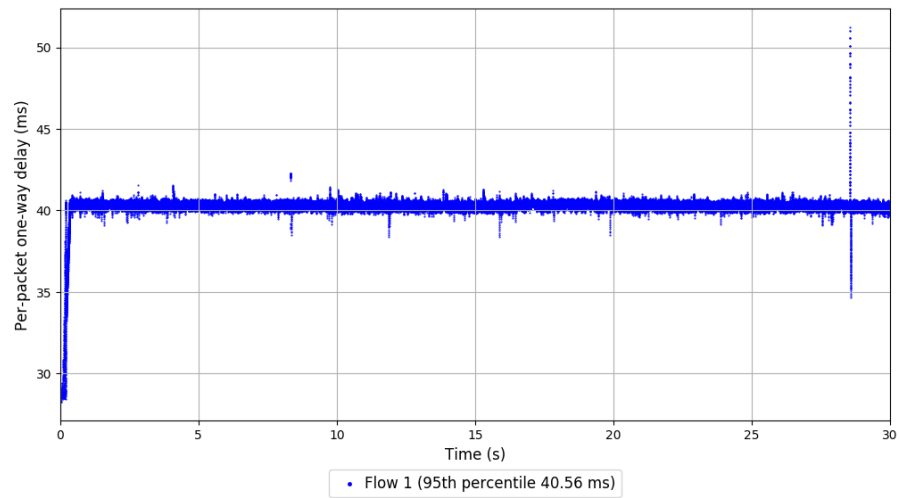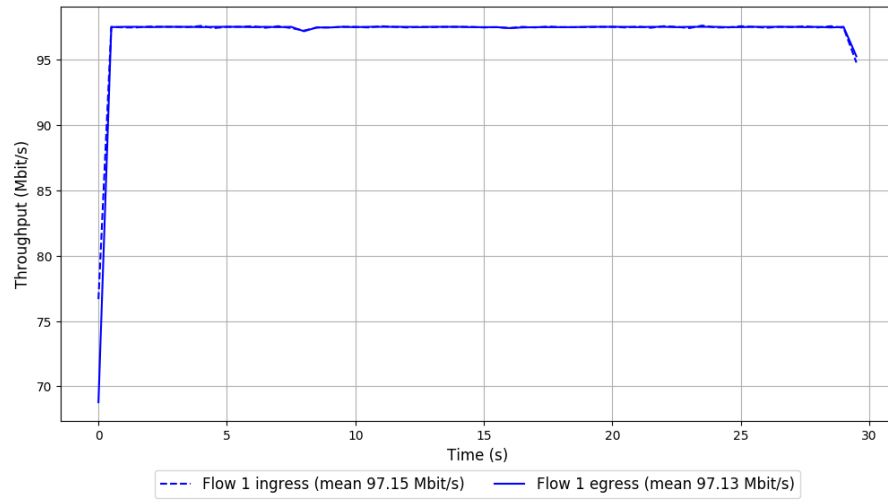
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2018-01-08 19:27:43
End at: 2018-01-08 19:28:13
Local clock offset: 5.501 ms
Remote clock offset: -11.789 ms


# Below is generated by plot.py at 2018-01-09 00:50:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 40.564 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 40.564 ms
Loss rate: 0.13%
```
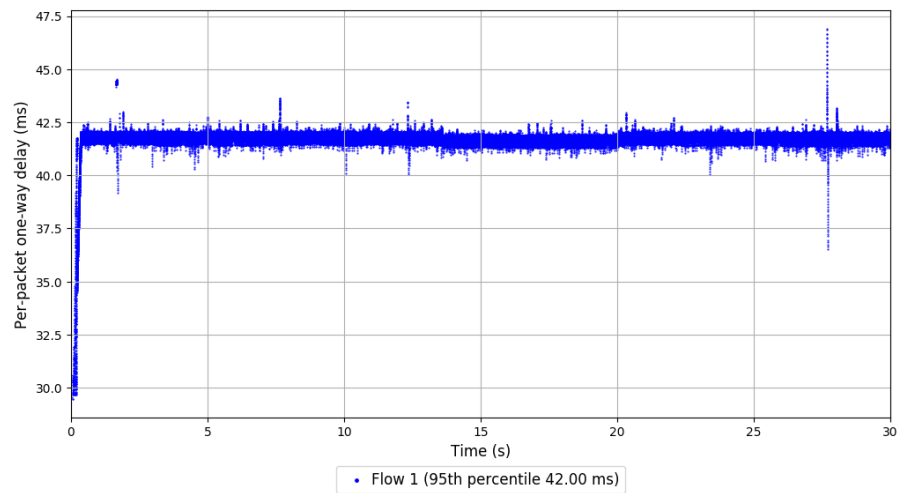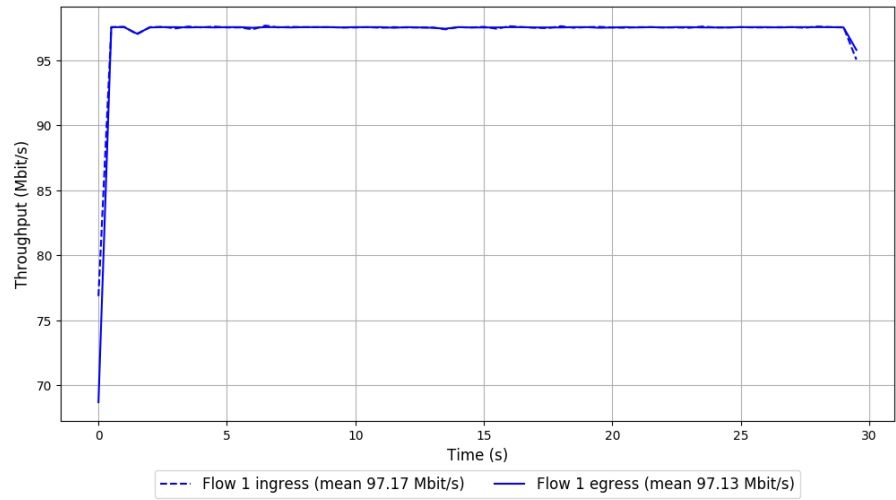
Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2018-01-08 19:45:35
End at: 2018-01-08 19:46:05
Local clock offset: 4.527 ms
Remote clock offset: -13.185 ms


# Below is generated by plot.py at 2018-01-09 00:50:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 41.996 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 41.996 ms
Loss rate: 0.13%
```

Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.17 Mbit/s)   Flow 1 egress (mean 97.13 Mbit/s)

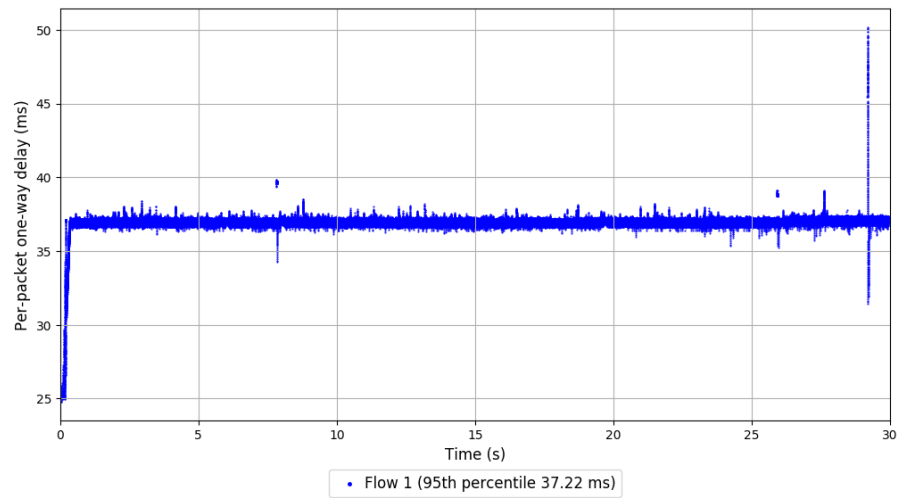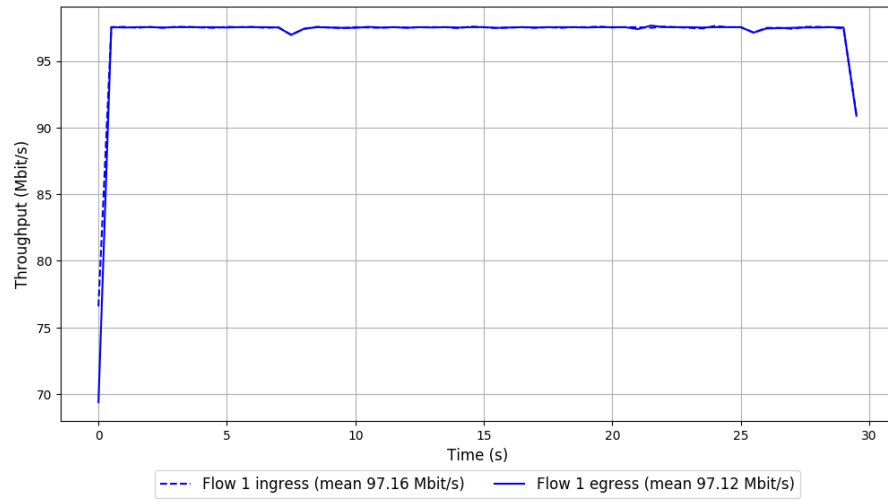

Flow 1 (95th percentile 42.00 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-01-08 20:03:29
End at: 2018-01-08 20:03:59
Local clock offset: 1.595 ms
Remote clock offset: -12.57 ms


# Below is generated by plot.py at 2018-01-09 00:50:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 37.223 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 37.223 ms
Loss rate: 0.13%
```

Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.16 Mbit/s)   Flow 1 egress (mean 97.12 Mbit/s)

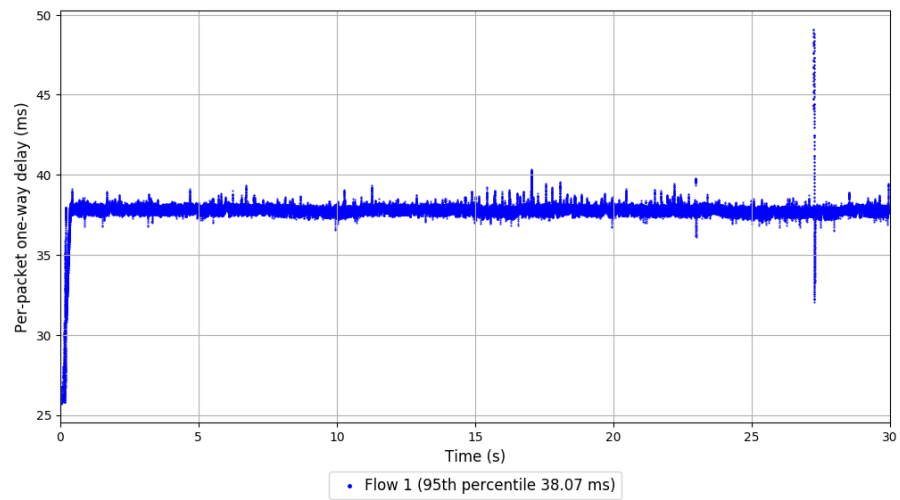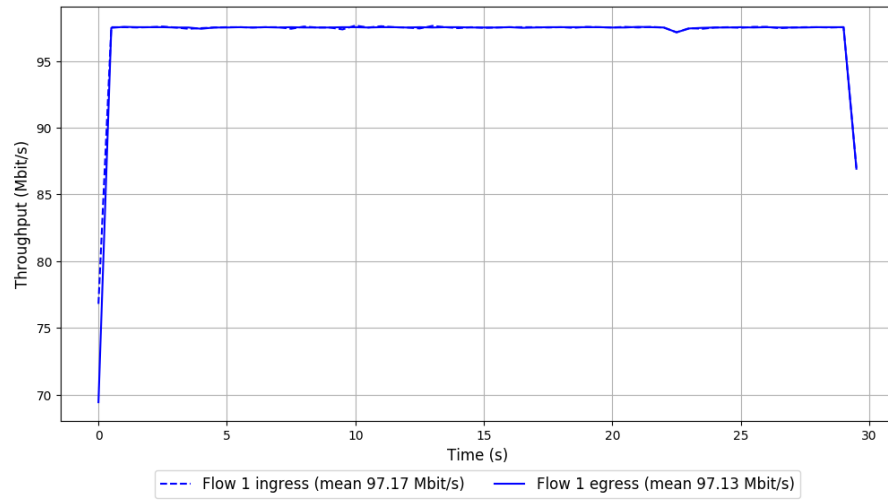
Flow 1 (95th percentile 37.22 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2018-01-08 20:21:42
End at: 2018-01-08 20:22:12
Local clock offset: 2.627 ms
Remote clock offset: -13.375 ms


# Below is generated by plot.py at 2018-01-09 00:50:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 38.072 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 38.072 ms
Loss rate: 0.13%
```

Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.17 Mbit/s) — — — —   Flow 1 egress (mean 97.13 Mbit/s)
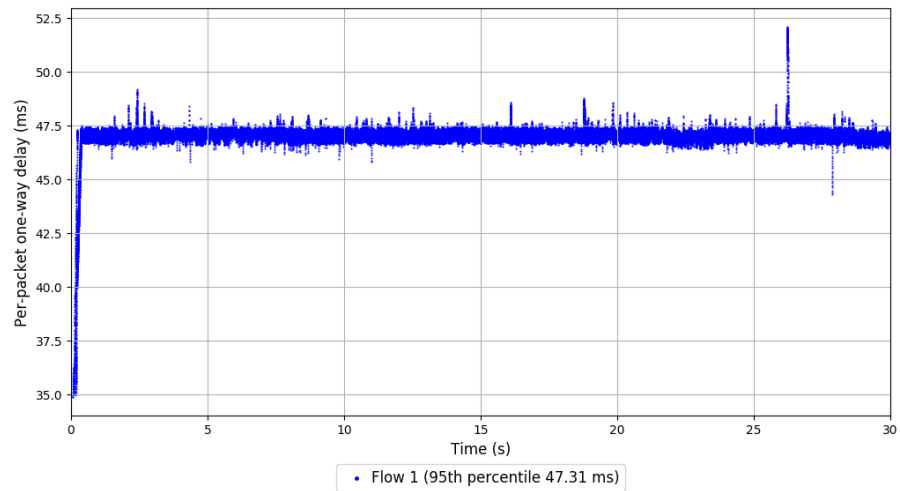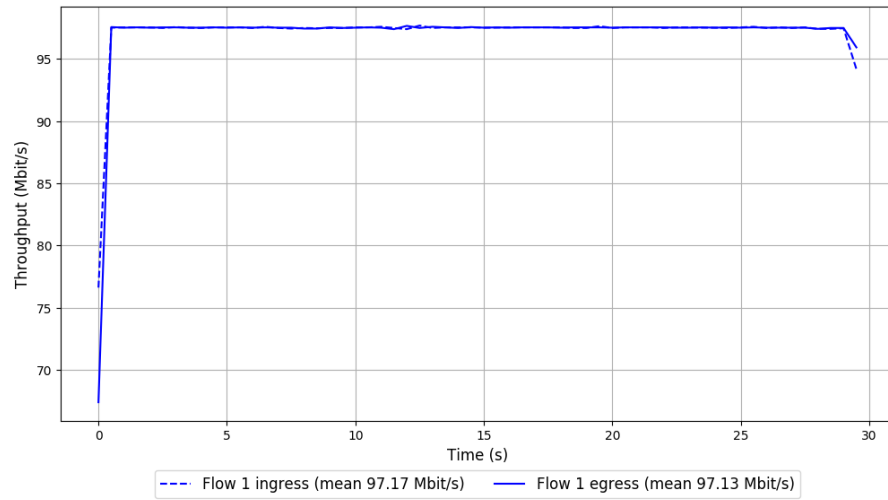

• Flow 1 (95th percentile 38.07 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-01-08 20:39:49
End at: 2018-01-08 20:40:19
Local clock offset: 12.315 ms
Remote clock offset: -14.848 ms


# Below is generated by plot.py at 2018-01-09 00:52:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 47.313 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 47.313 ms
Loss rate: 0.13%
```

Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.17 Mbit/s)   Flow 1 egress (mean 97.13 Mbit/s)
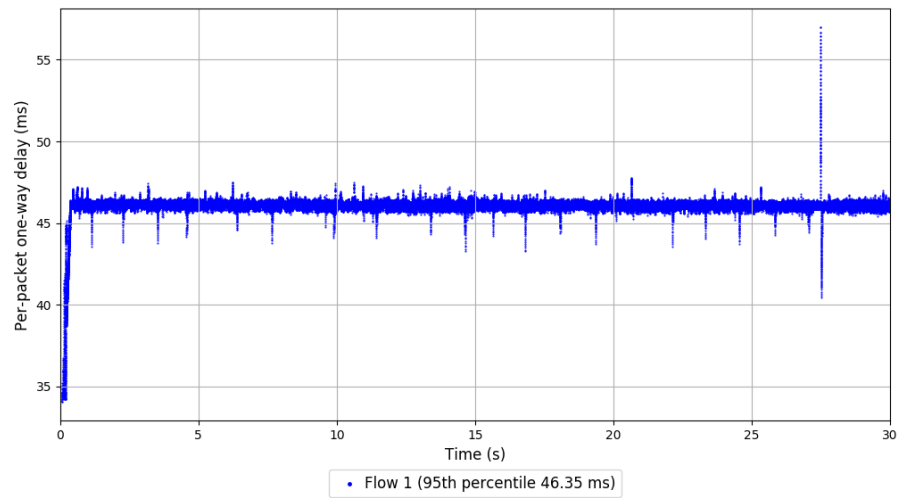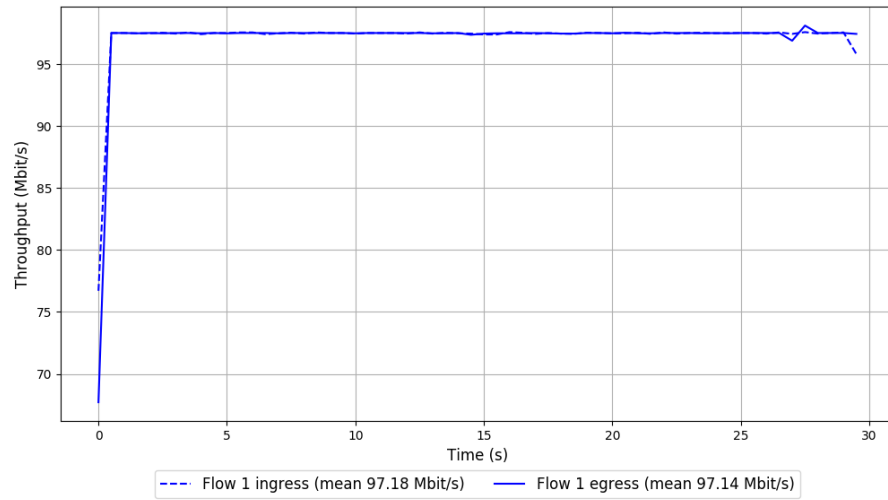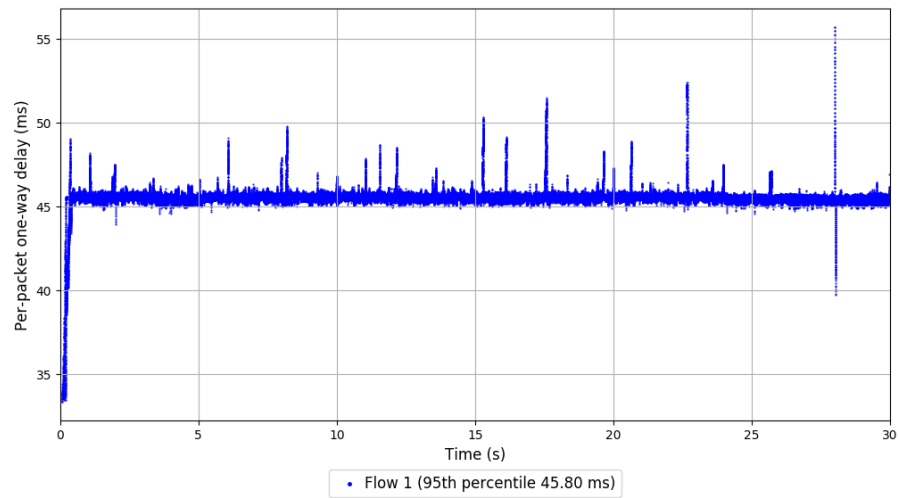

Flow 1 (95th percentile 47.31 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-01-08 20:57:33
End at: 2018-01-08 20:58:03
Local clock offset: 12.528 ms
Remote clock offset: -15.422 ms


# Below is generated by plot.py at 2018-01-09 00:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 46.346 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 46.346 ms
Loss rate: 0.13%
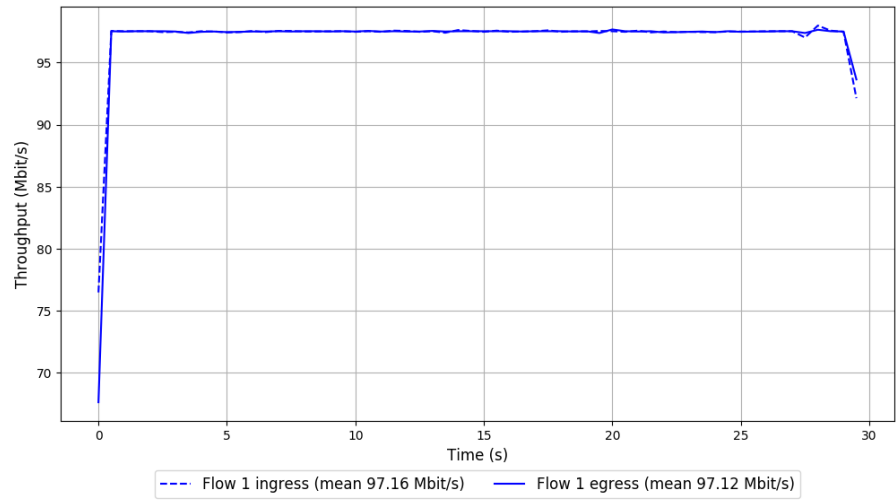```

Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2018-01-08 21:14:58
End at: 2018-01-08 21:15:28
Local clock offset: 11.372 ms
Remote clock offset: -16.498 ms


# Below is generated by plot.py at 2018-01-09 00:52:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 45.802 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 45.802 ms
Loss rate: 0.13%
```

Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.16 Mbit/s)   Flow 1 egress (mean 97.12 Mbit/s)

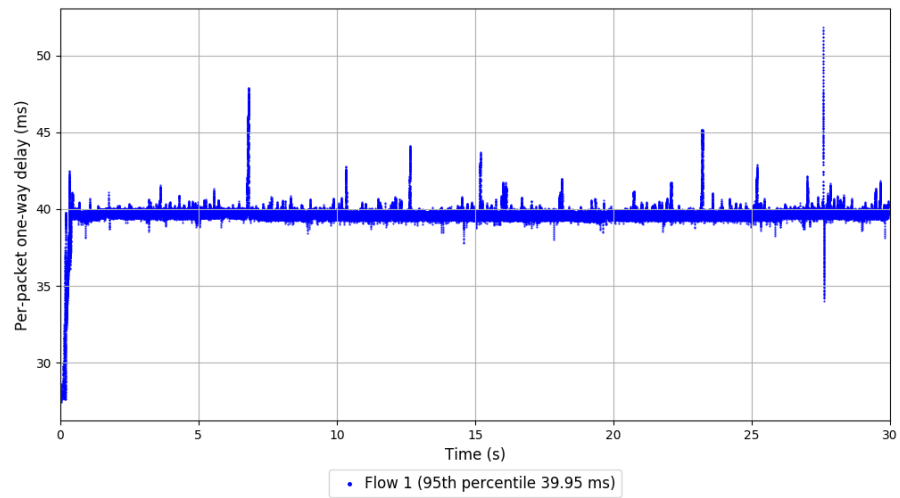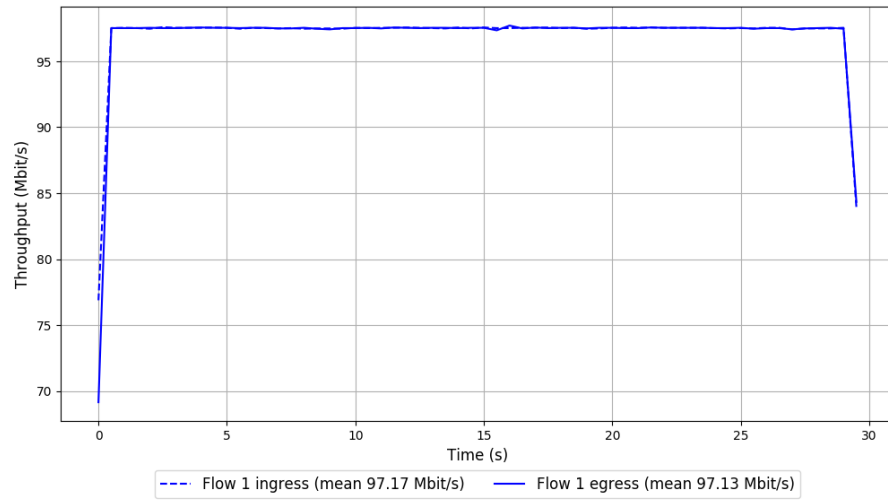Flow 1 (95th percentile 45.80 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-01-08 21:32:44
End at: 2018-01-08 21:33:14
Local clock offset: 5.896 ms
Remote clock offset: -16.194 ms


# Below is generated by plot.py at 2018-01-09 00:52:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 39.952 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 39.952 ms
Loss rate: 0.13%
```

Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.17 Mbit/s)   Flow 1 egress (mean 97.13 Mbit/s)

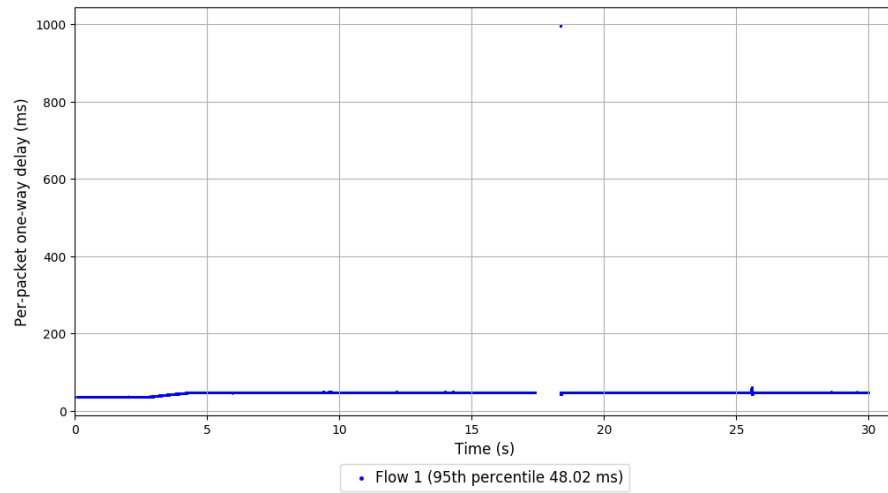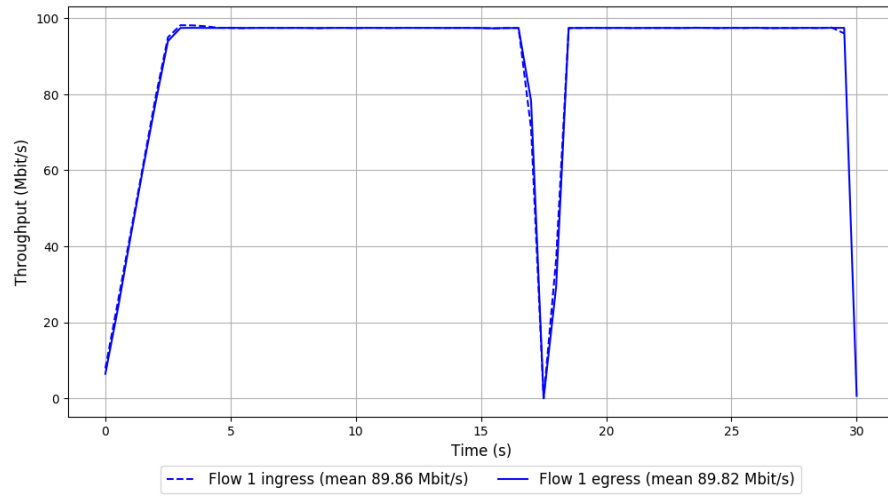

• Flow 1 (95th percentile 39.95 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2018-01-08 19:04:17
End at: 2018-01-08 19:04:47
Local clock offset: 10.364 ms
Remote clock offset: -9.581 ms


# Below is generated by plot.py at 2018-01-09 00:52:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 48.018 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 48.018 ms
Loss rate: 0.14%
```
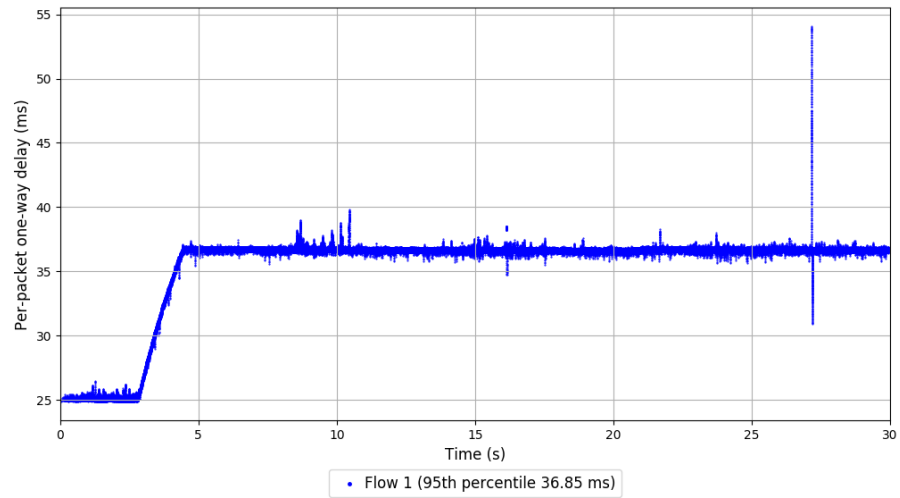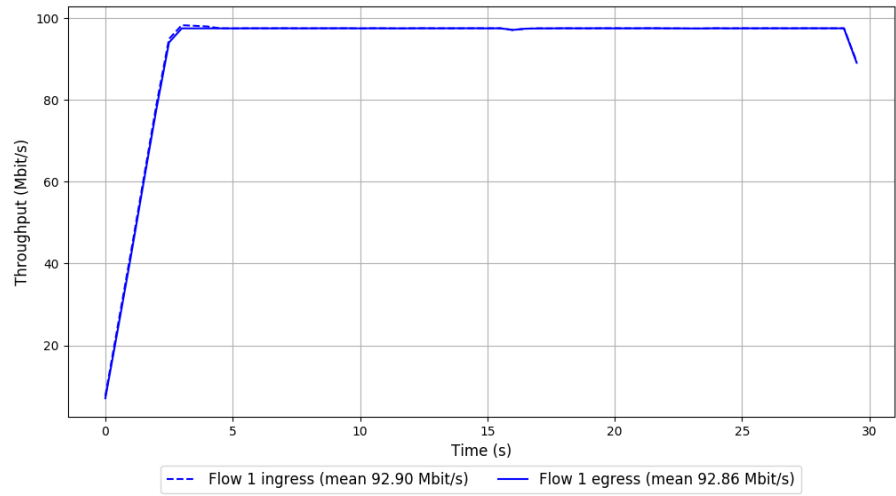
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2018-01-08 19:21:52
End at: 2018-01-08 19:22:22
Local clock offset: 1.504 ms
Remote clock offset: -9.68 ms

# Below is generated by plot.py at 2018-01-09 00:52:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 36.852 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 36.852 ms
Loss rate: 0.13%
```

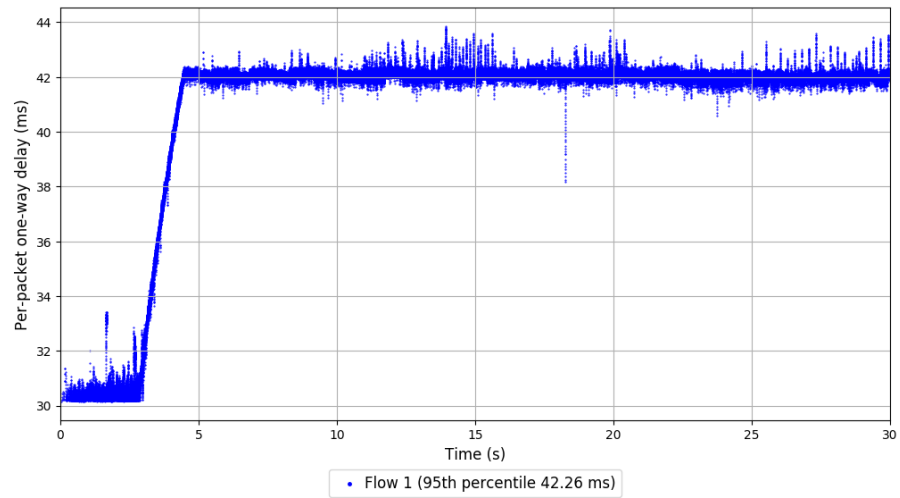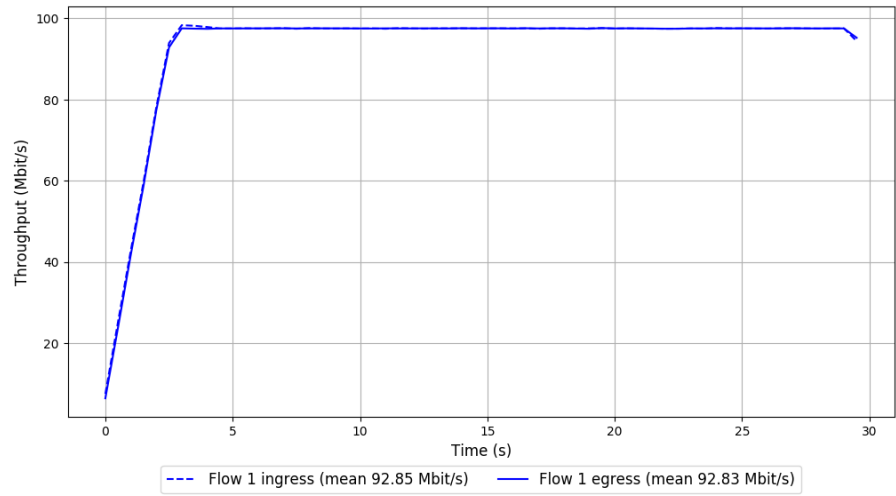Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2018-01-08 19:39:33
End at: 2018-01-08 19:40:03
Local clock offset: 4.949 ms
Remote clock offset: -13.447 ms


# Below is generated by plot.py at 2018-01-09 00:52:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 42.258 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 42.258 ms
Loss rate: 0.13%
```

Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 92.85 Mbit/s)   Flow 1 egress (mean 92.83 Mbit/s)

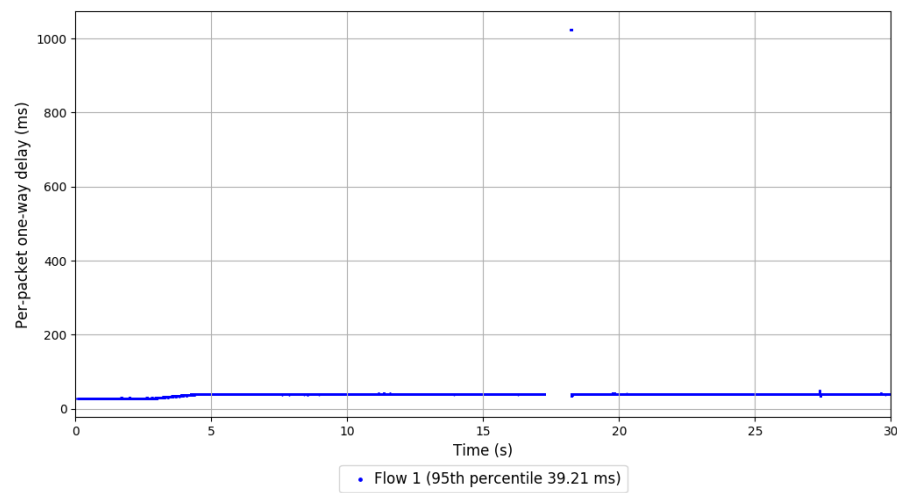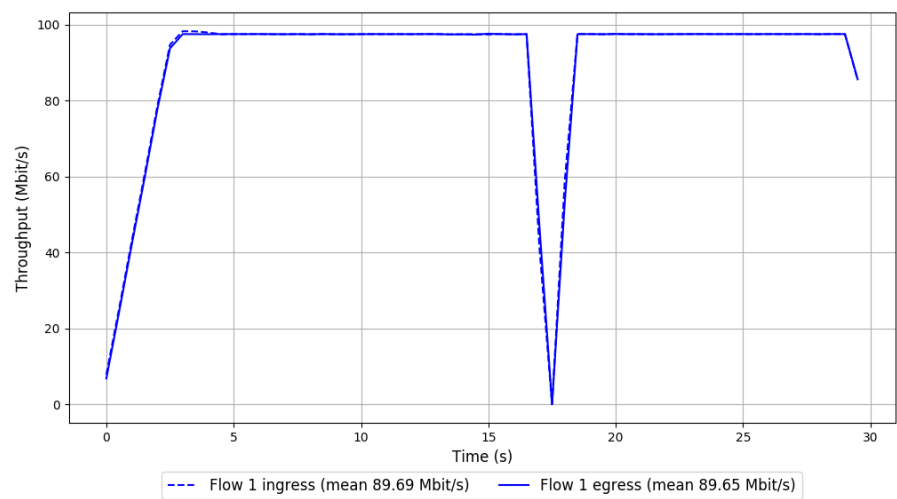Flow 1 (95th percentile 42.26 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-01-08 19:57:32
End at: 2018-01-08 19:58:03
Local clock offset: 3.414 ms
Remote clock offset: -13.125 ms


# Below is generated by plot.py at 2018-01-09 00:52:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 39.208 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 39.208 ms
Loss rate: 0.14%
```

Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 89.69 Mbit/s) ---- Flow 1 egress (mean 89.65 Mbit/s)

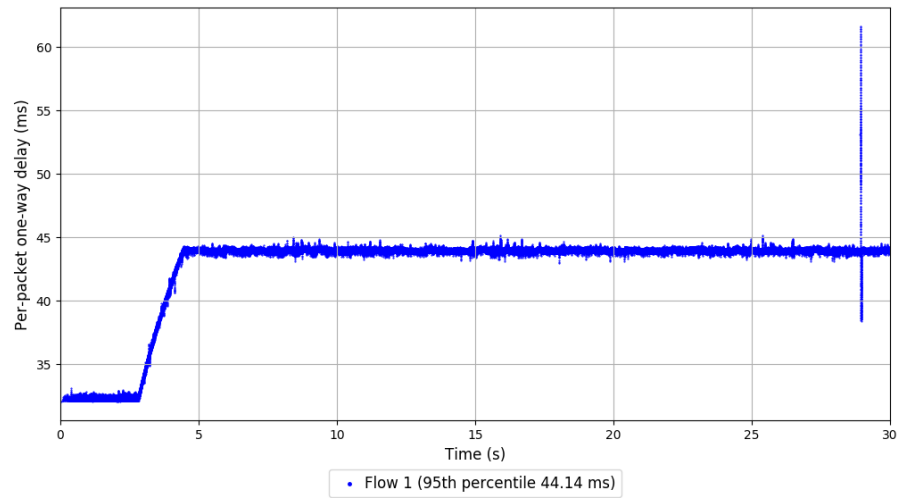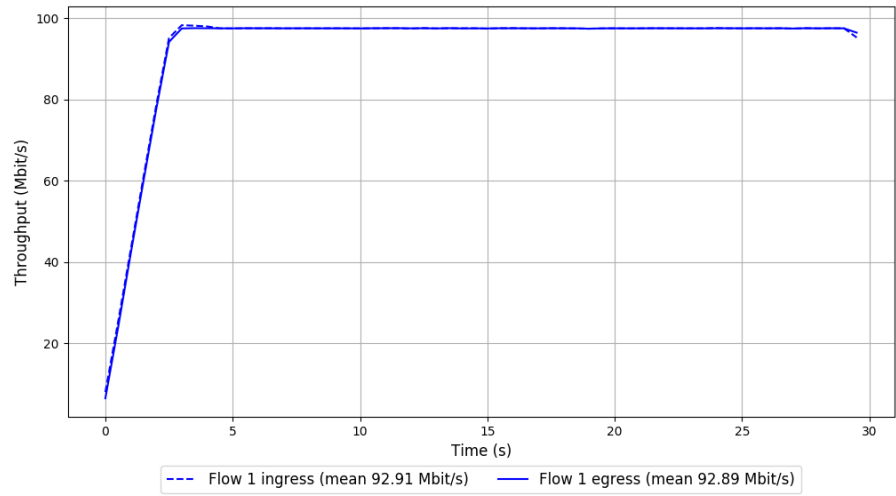Flow 1 (95th percentile 39.21 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2018-01-08 20:15:36
End at: 2018-01-08 20:16:06
Local clock offset: 6.91 ms
Remote clock offset: -14.918 ms


# Below is generated by plot.py at 2018-01-09 00:54:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 44.140 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 44.140 ms
Loss rate: 0.13%
```

Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 92.91 Mbit/s) --- Flow 1 egress (mean 92.89 Mbit/s)
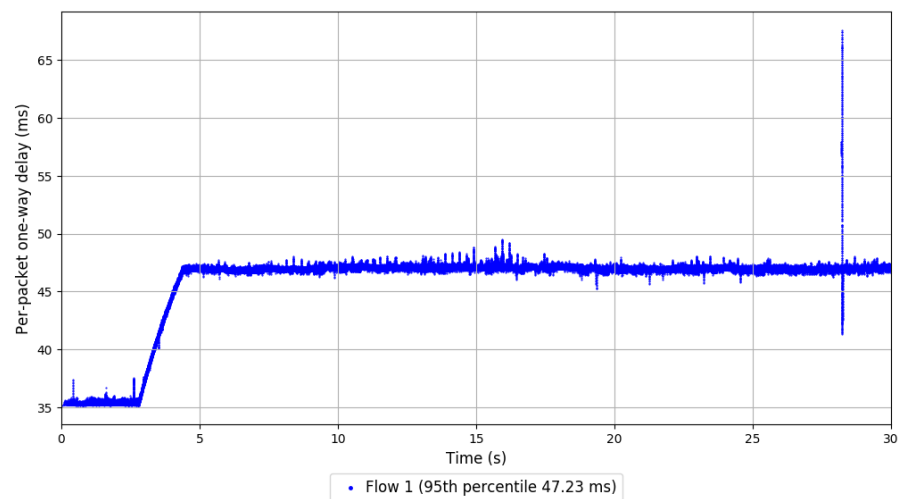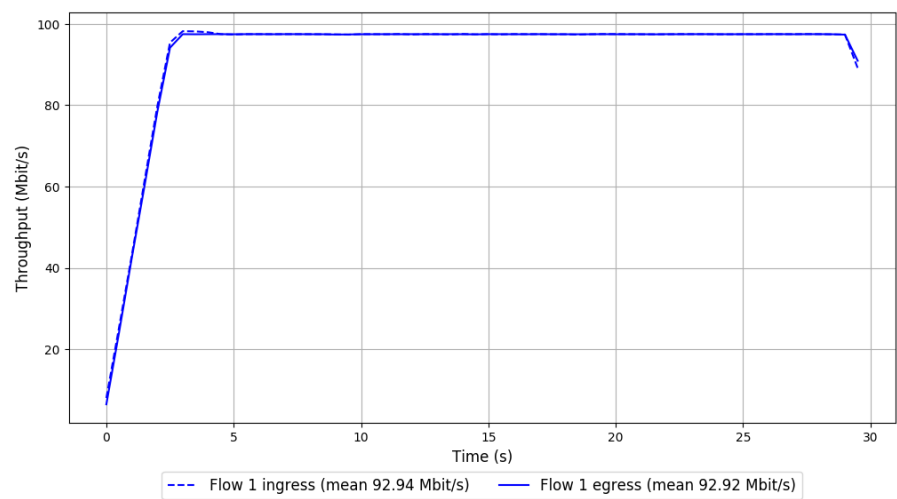

• Flow 1 (95th percentile 44.14 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-01-08 20:33:53
End at: 2018-01-08 20:34:23
Local clock offset: 11.775 ms
Remote clock offset: -15.503 ms


# Below is generated by plot.py at 2018-01-09 00:55:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 47.231 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 47.231 ms
Loss rate: 0.13%
```

Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 92.94 Mbit/s) ---- Flow 1 egress (mean 92.92 Mbit/s)

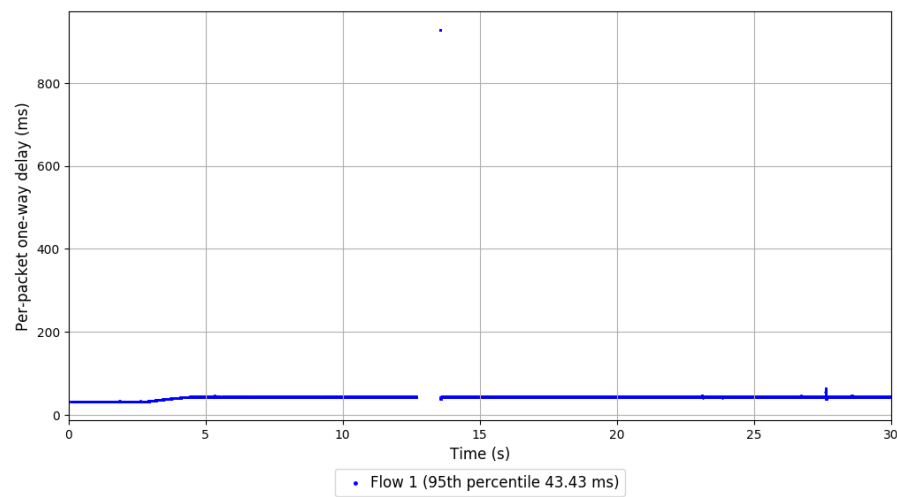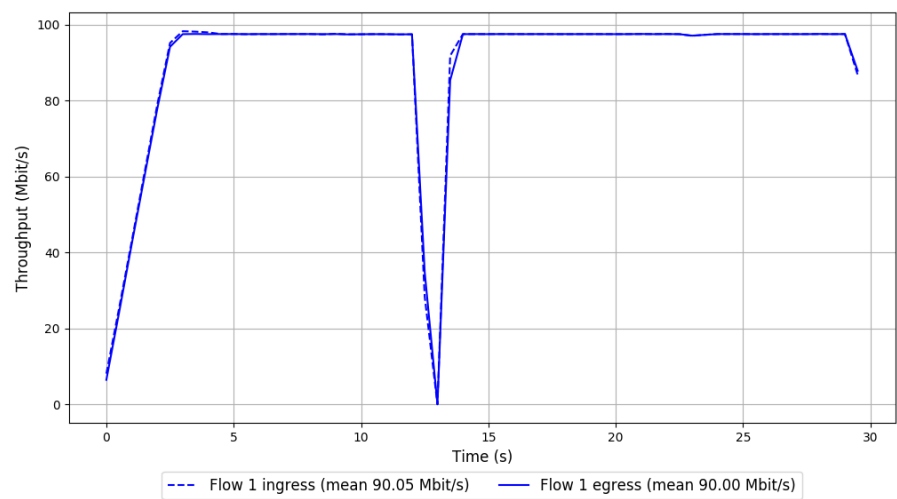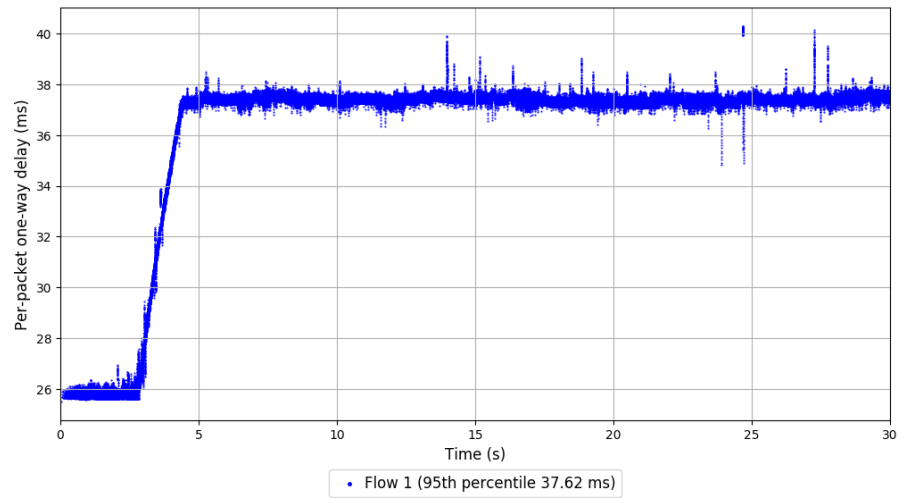• Flow 1 (95th percentile 47.23 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-01-08 20:51:39
End at: 2018-01-08 20:52:09
Local clock offset: 6.649 ms
Remote clock offset: -17.688 ms


# Below is generated by plot.py at 2018-01-09 00:55:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 43.429 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 43.429 ms
Loss rate: 0.14%
```

Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 90.05 Mbit/s)   Flow 1 egress (mean 90.00 Mbit/s)

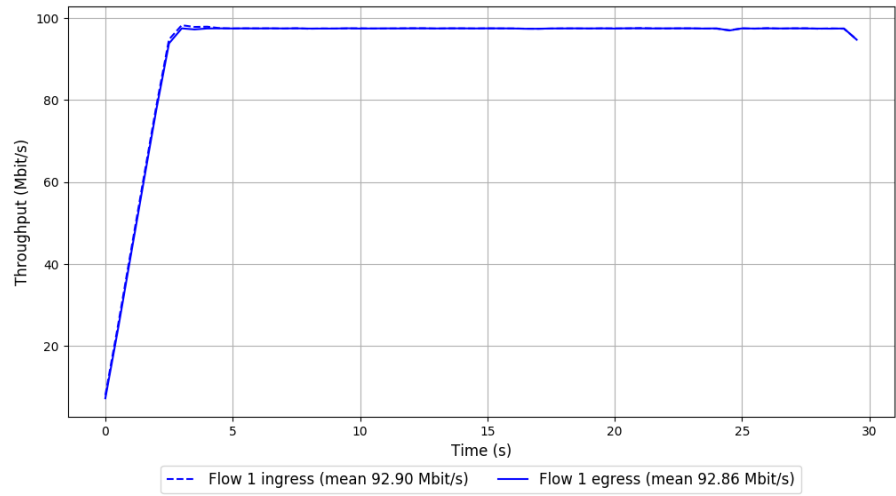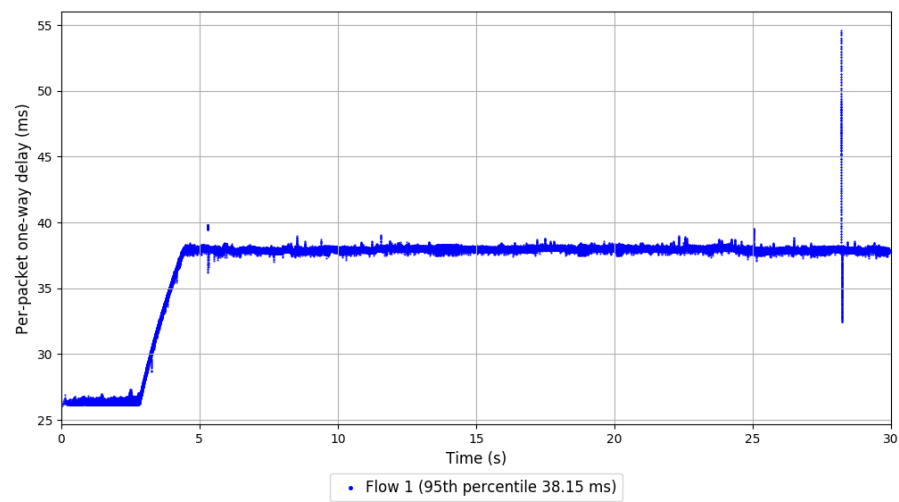Flow 1 (95th percentile 43.43 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-01-08 21:09:07
End at: 2018-01-08 21:09:37
Local clock offset: 5.064 ms
Remote clock offset: -14.984 ms


# Below is generated by plot.py at 2018-01-09 00:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 37.615 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 37.615 ms
Loss rate: 0.13%
```

Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 92.90 Mbit/s)   Flow 1 egress (mean 92.86 Mbit/s)

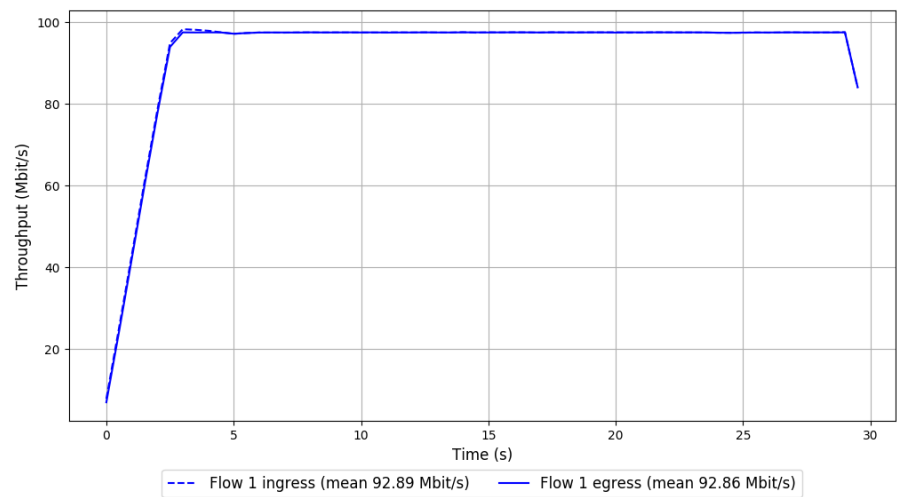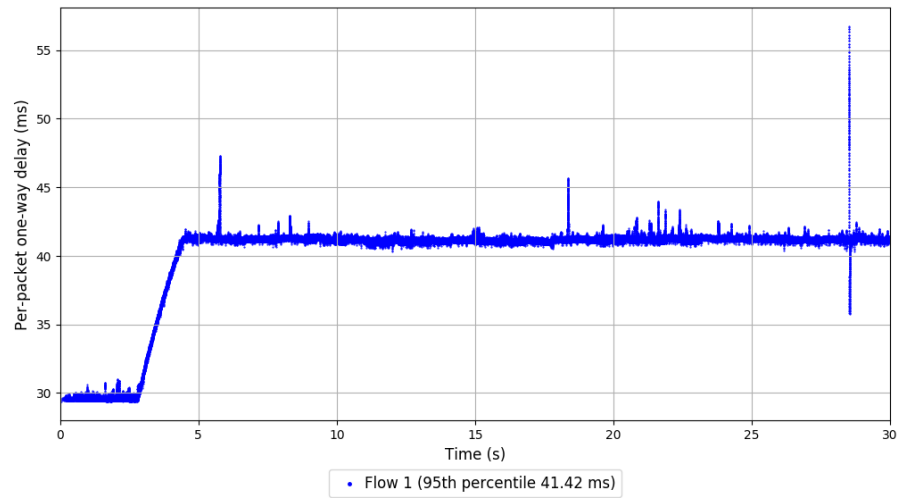• Flow 1 (95th percentile 37.62 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-01-08 21:26:50
End at: 2018-01-08 21:27:20
Local clock offset: 5.047 ms
Remote clock offset: -15.468 ms


# Below is generated by plot.py at 2018-01-09 00:55:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 38.148 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 38.148 ms
Loss rate: 0.13%
```

Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 92.89 Mbit/s) --- Flow 1 egress (mean 92.86 Mbit/s)
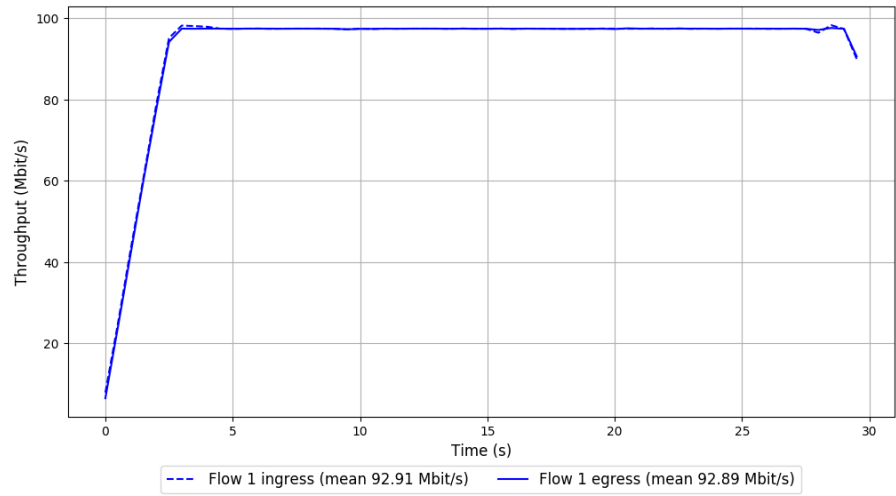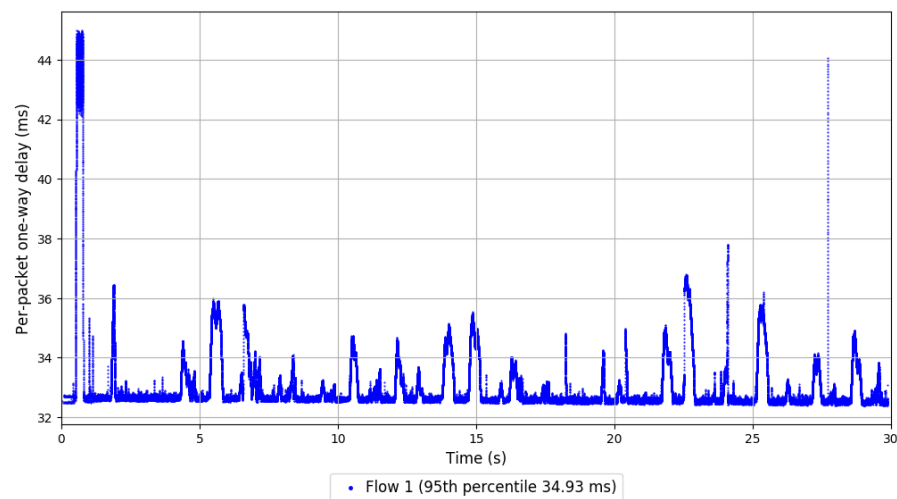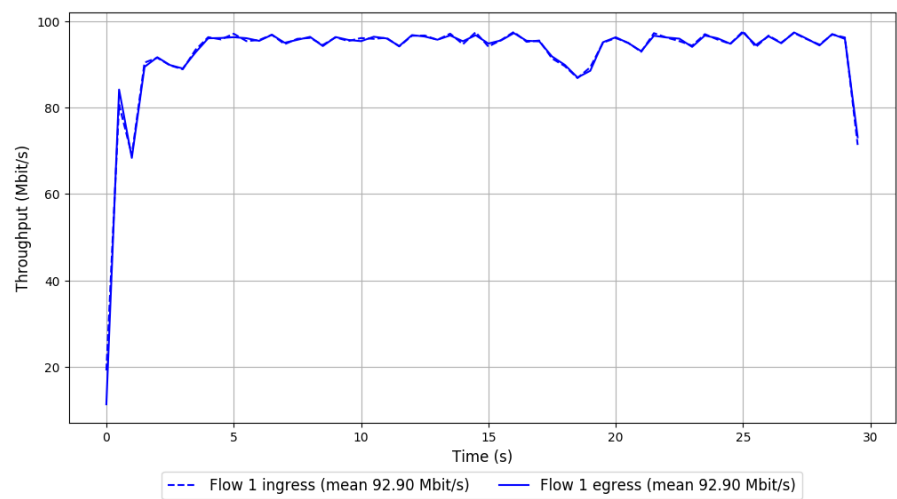

• Flow 1 (95th percentile 38.15 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2018-01-08 21:44:51
End at: 2018-01-08 21:45:21
Local clock offset: 7.294 ms
Remote clock offset: -18.161 ms


# Below is generated by plot.py at 2018-01-09 00:55:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 41.421 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 41.421 ms
Loss rate: 0.13%
```
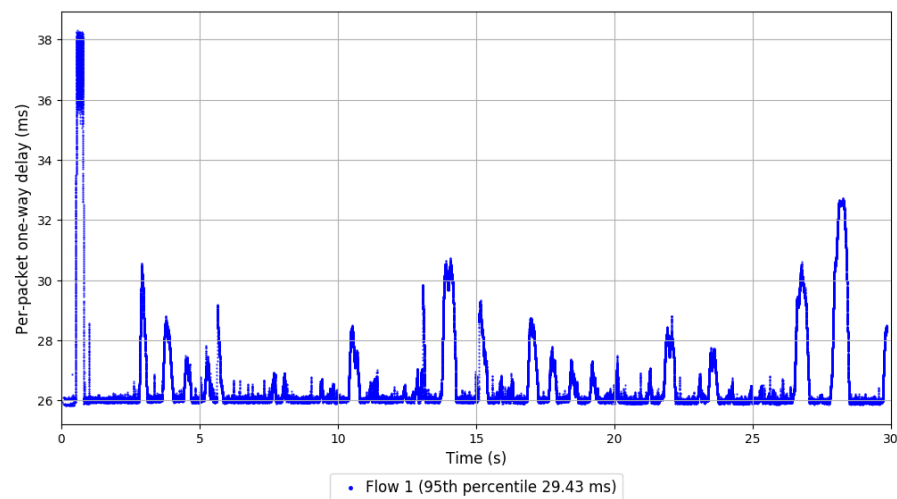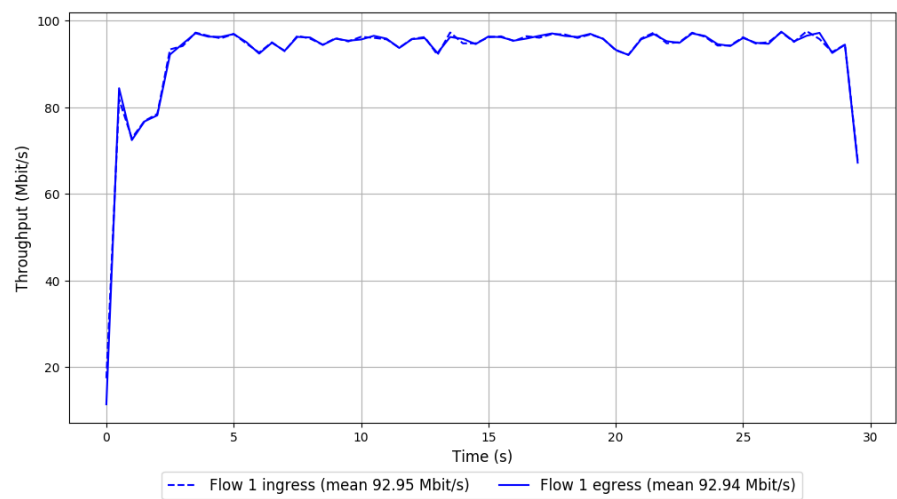
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 92.91 Mbit/s) ----- Flow 1 egress (mean 92.89 Mbit/s)

• Flow 1 (95th percentile 41.42 ms)

```
Run 1: Statistics of PCC

Start at: 2018-01-08 18:54:57
End at: 2018-01-08 18:55:27
Local clock offset: 9.635 ms
Remote clock offset: -9.151 ms


# Below is generated by plot.py at 2018-01-09 00:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 34.930 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 34.930 ms
Loss rate: 0.09%
```
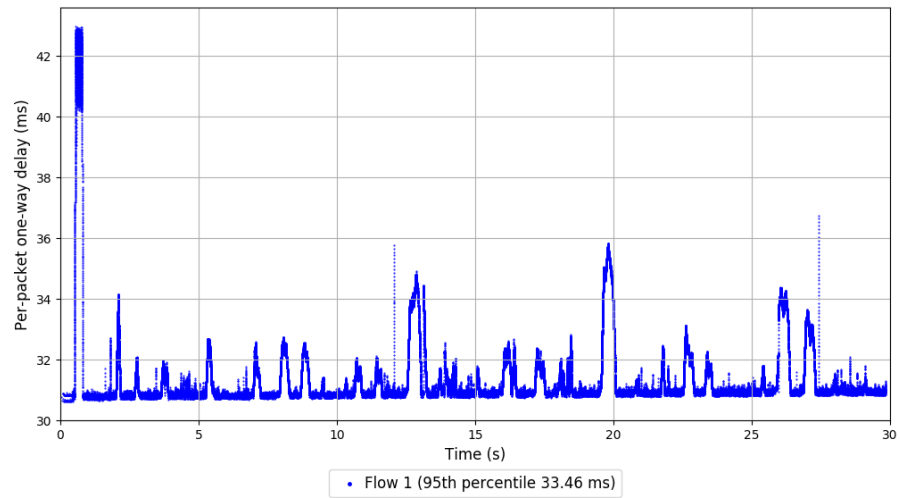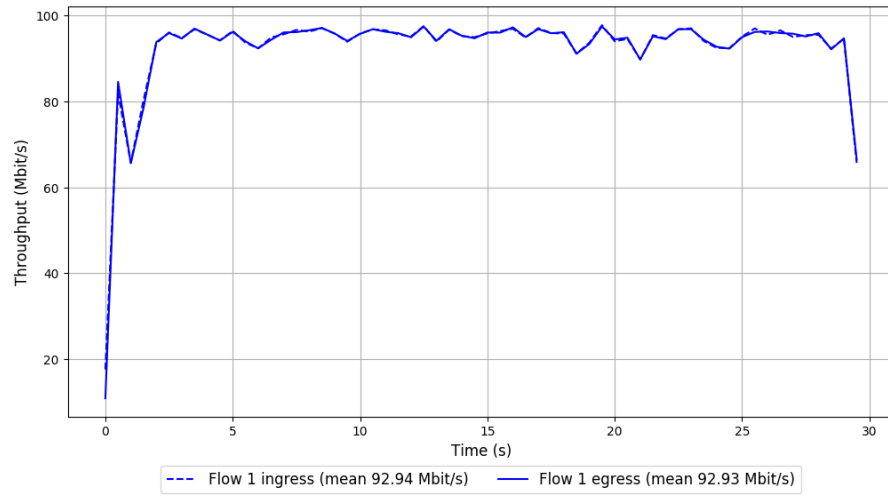
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 92.90 Mbit/s) --- Flow 1 egress (mean 92.90 Mbit/s)

• Flow 1 (95th percentile 34.93 ms)

```
Run 2: Statistics of PCC

Start at: 2018-01-08 19:12:19
End at: 2018-01-08 19:12:49
Local clock offset: -0.73 ms
Remote clock offset: -9.904 ms


# Below is generated by plot.py at 2018-01-09 00:55:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 29.428 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 29.428 ms
Loss rate: 0.10%
```
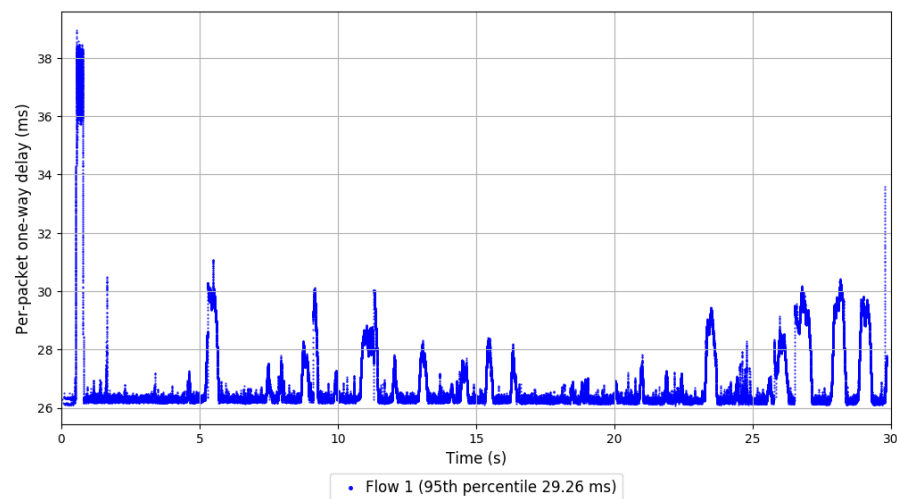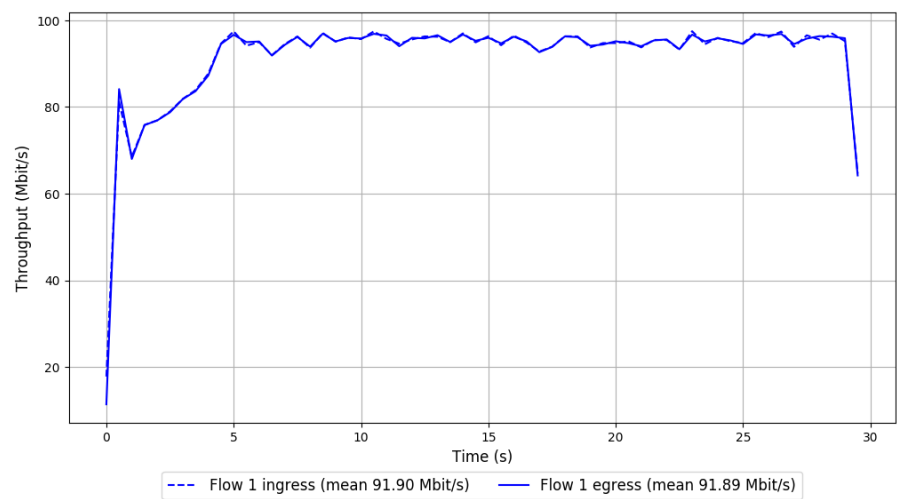
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 92.95 Mbit/s)   Flow 1 egress (mean 92.94 Mbit/s)

Flow 1 (95th percentile 29.43 ms)

```
Run 3: Statistics of PCC

Start at: 2018-01-08 19:29:58
End at: 2018-01-08 19:30:28
Local clock offset: 7.795 ms
Remote clock offset: -12.613 ms

# Below is generated by plot.py at 2018-01-09 00:57:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 33.463 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 33.463 ms
Loss rate: 0.09%
```
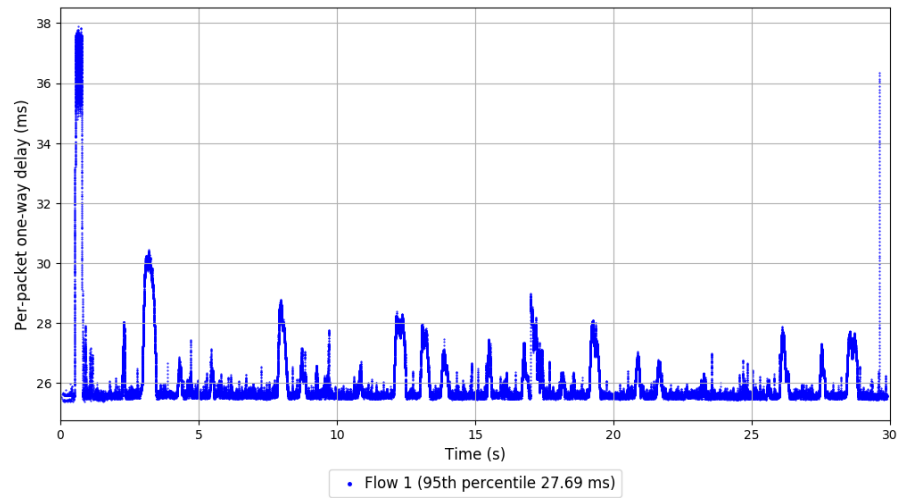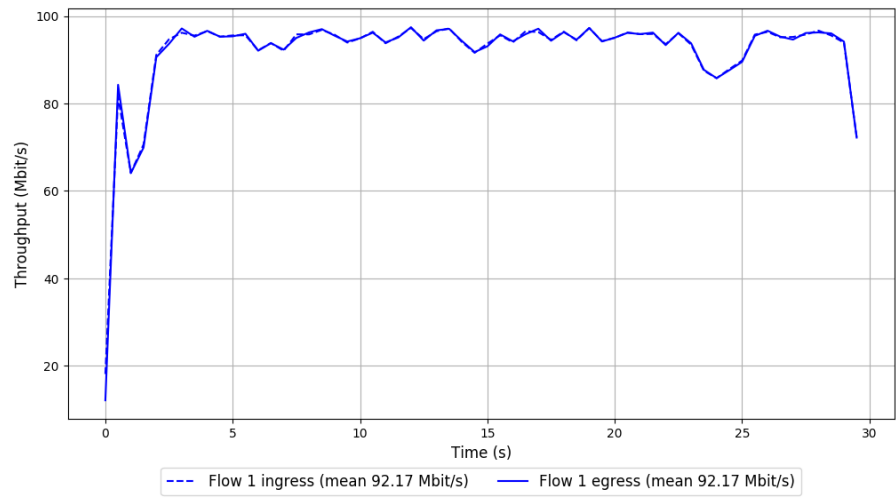
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 92.94 Mbit/s) ---- Flow 1 egress (mean 92.93 Mbit/s)

Flow 1 (95th percentile 33.46 ms)

```
Run 4: Statistics of PCC

Start at: 2018-01-08 19:47:51
End at: 2018-01-08 19:48:21
Local clock offset: 1.847 ms
Remote clock offset: -12.779 ms


# Below is generated by plot.py at 2018-01-09 00:57:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 29.256 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 29.256 ms
Loss rate: 0.10%
```
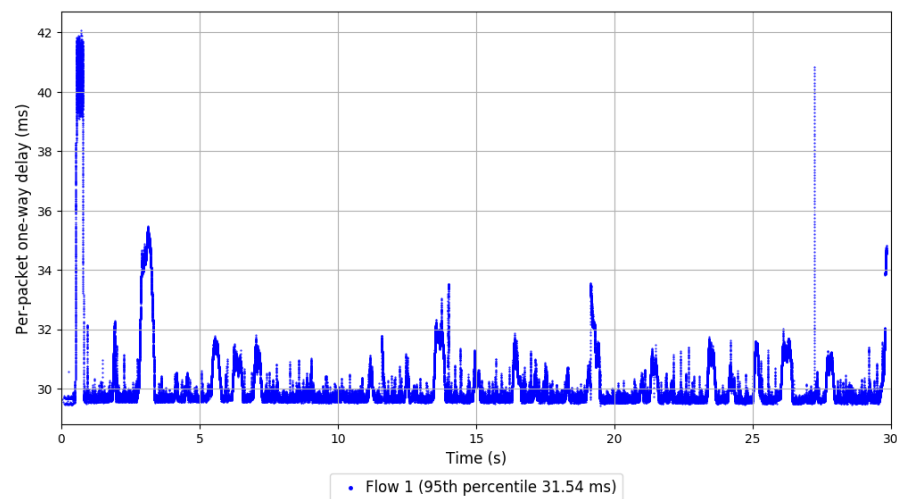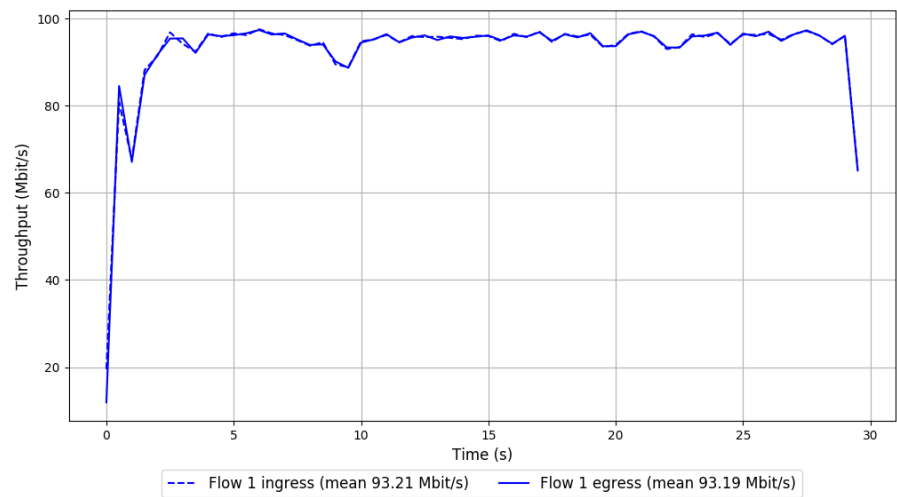
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 91.90 Mbit/s)   Flow 1 egress (mean 91.89 Mbit/s)

Flow 1 (95th percentile 29.26 ms)

```
Run 5: Statistics of PCC

Start at: 2018-01-08 20:05:47
End at: 2018-01-08 20:06:17
Local clock offset: 1.472 ms
Remote clock offset: -13.365 ms

# Below is generated by plot.py at 2018-01-09 00:57:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 27.694 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 27.694 ms
Loss rate: 0.09%
```

Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 92.17 Mbit/s)   Flow 1 egress (mean 92.17 Mbit/s)

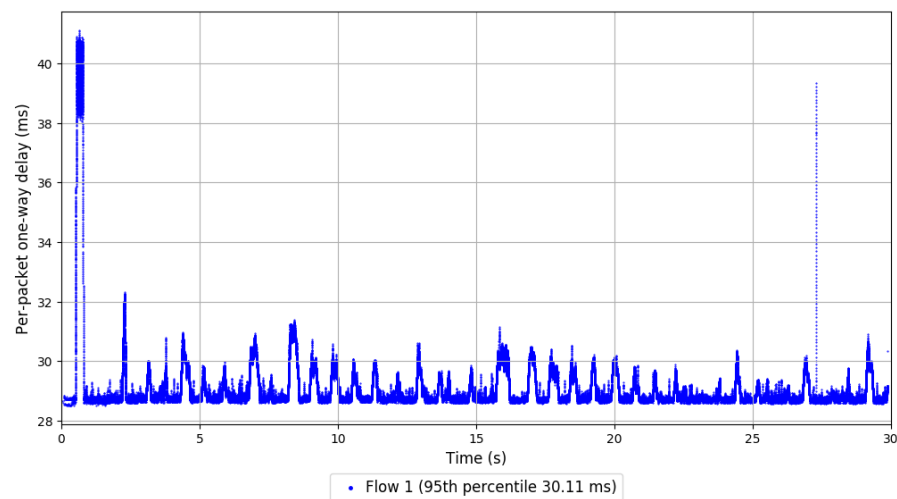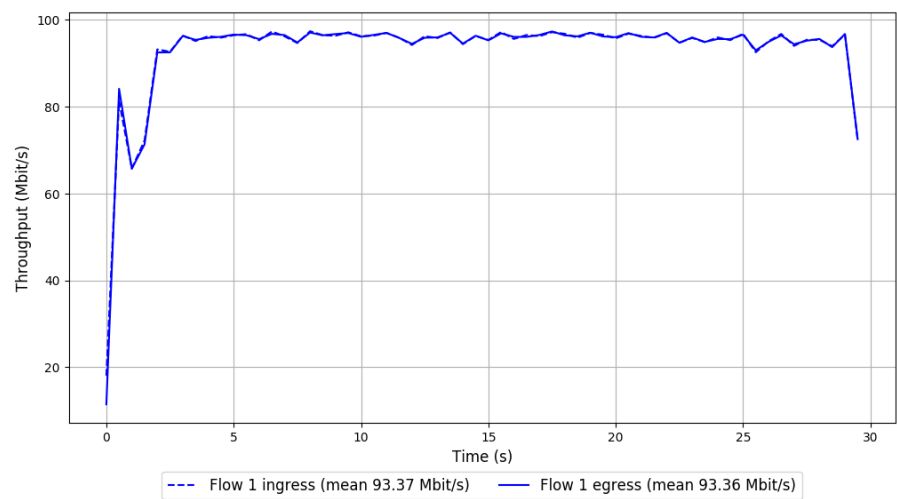Flow 1 (95th percentile 27.69 ms)

```
Run 6: Statistics of PCC

Start at: 2018-01-08 20:24:00
End at: 2018-01-08 20:24:30
Local clock offset: 5.648 ms
Remote clock offset: -14.509 ms


# Below is generated by plot.py at 2018-01-09 00:57:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 31.540 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 31.540 ms
Loss rate: 0.11%
```
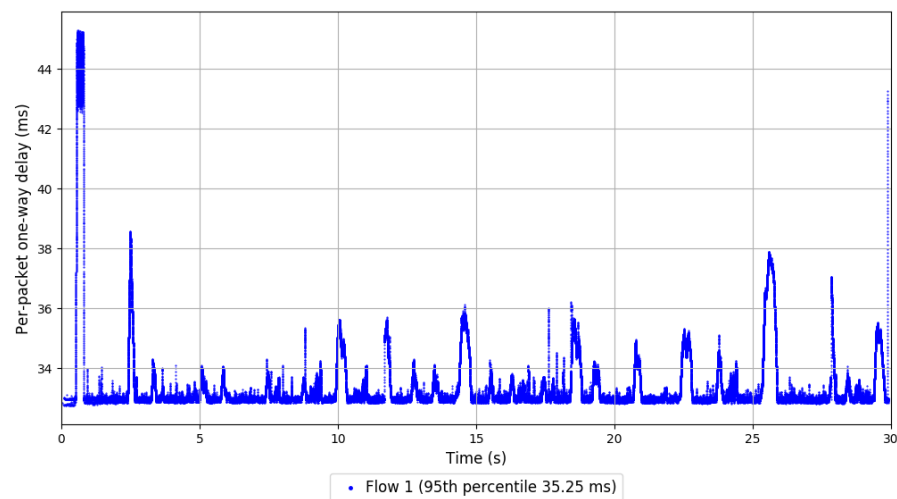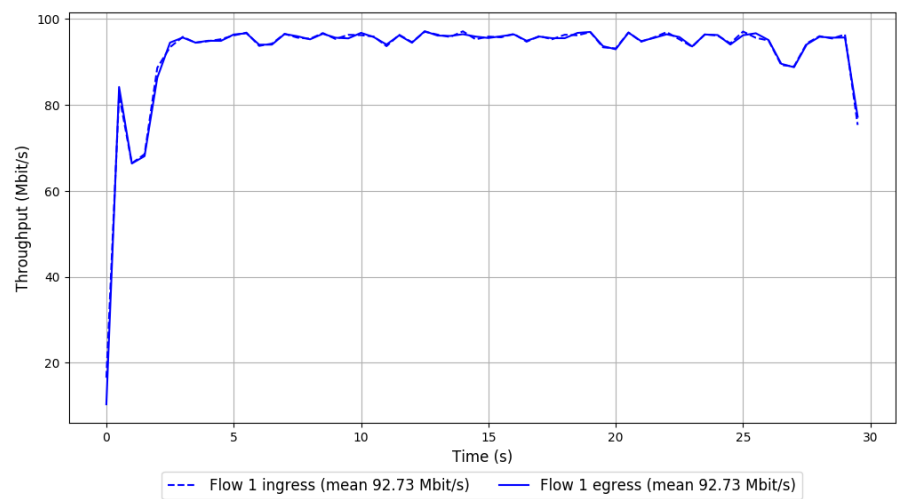
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 93.21 Mbit/s)   Flow 1 egress (mean 93.19 Mbit/s)

Flow 1 (95th percentile 31.54 ms)

```
Run 7: Statistics of PCC

Start at: 2018-01-08 20:42:06
End at: 2018-01-08 20:42:36
Local clock offset: 5.885 ms
Remote clock offset: -15.125 ms


# Below is generated by plot.py at 2018-01-09 00:58:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 30.115 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 30.115 ms
Loss rate: 0.09%
```
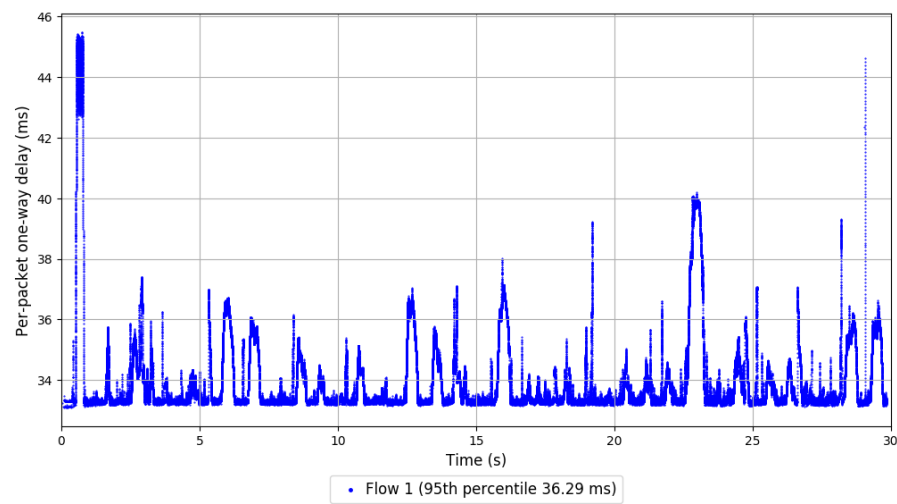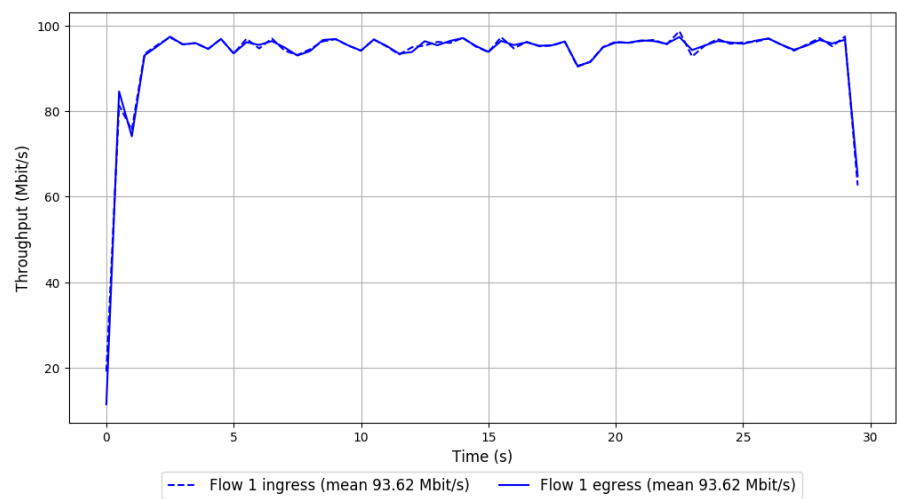
Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2018-01-08 20:59:48
End at: 2018-01-08 21:00:18
Local clock offset: 12.304 ms
Remote clock offset: -14.669 ms


# Below is generated by plot.py at 2018-01-09 00:58:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 35.247 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 35.247 ms
Loss rate: 0.09%
```
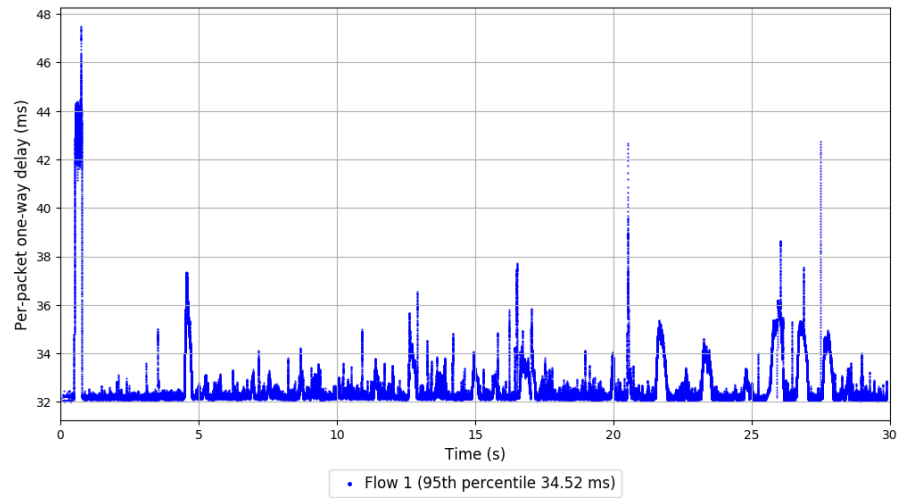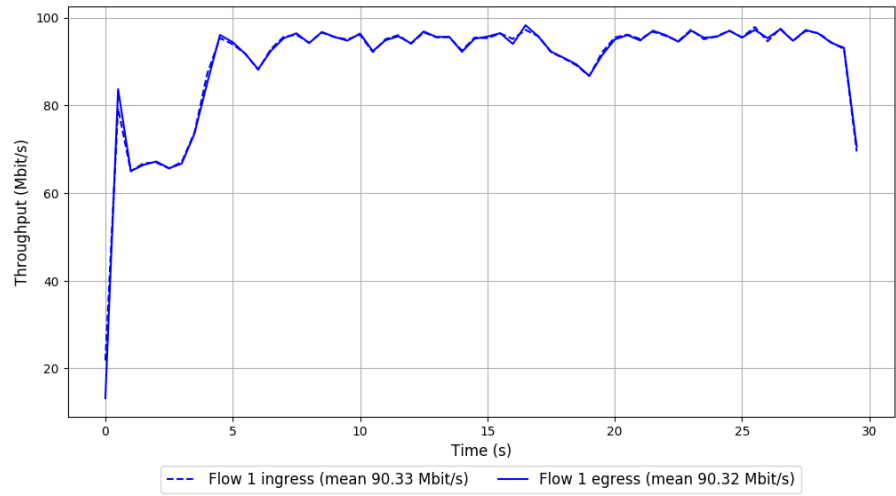
Run 8: Report of PCC — Data Link

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

Flow 1 (95th percentile 35.25 ms)

```
Run 9: Statistics of PCC

Start at: 2018-01-08 21:17:16
End at: 2018-01-08 21:17:46
Local clock offset: 10.186 ms
Remote clock offset: -17.525 ms


# Below is generated by plot.py at 2018-01-09 00:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 36.287 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 36.287 ms
Loss rate: 0.09%
```

Run 9: Report of PCC — Data Link

```
Run 10: Statistics of PCC

Start at: 2018-01-08 21:35:03
End at: 2018-01-08 21:35:33
Local clock offset: 10.557 ms
Remote clock offset: -16.313 ms


# Below is generated by plot.py at 2018-01-09 00:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 34.515 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 34.515 ms
Loss rate: 0.11%
```
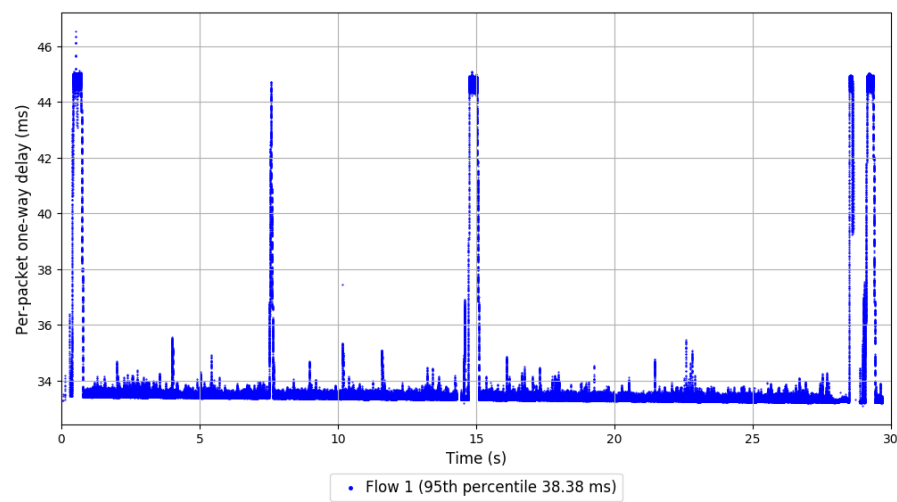
Run 10: Report of PCC — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-08 18:56:05
End at: 2018-01-08 18:56:35
Local clock offset: 10.331 ms
Remote clock offset: -9.651 ms


# Below is generated by plot.py at 2018-01-09 00:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 38.376 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 38.376 ms
Loss rate: 0.09%
```
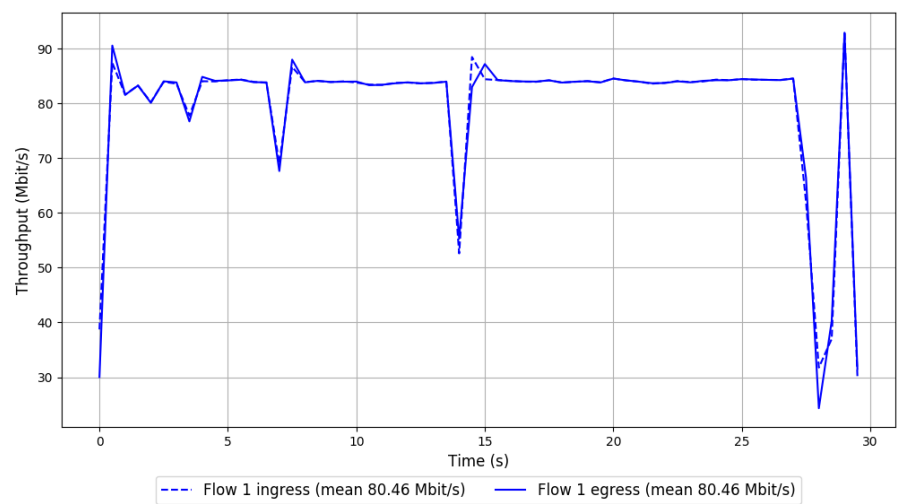
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-08 19:13:29
End at: 2018-01-08 19:13:59
Local clock offset: 1.684 ms
Remote clock offset: -8.587 ms


# Below is generated by plot.py at 2018-01-09 00:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 27.052 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 27.052 ms
Loss rate: 0.08%
```
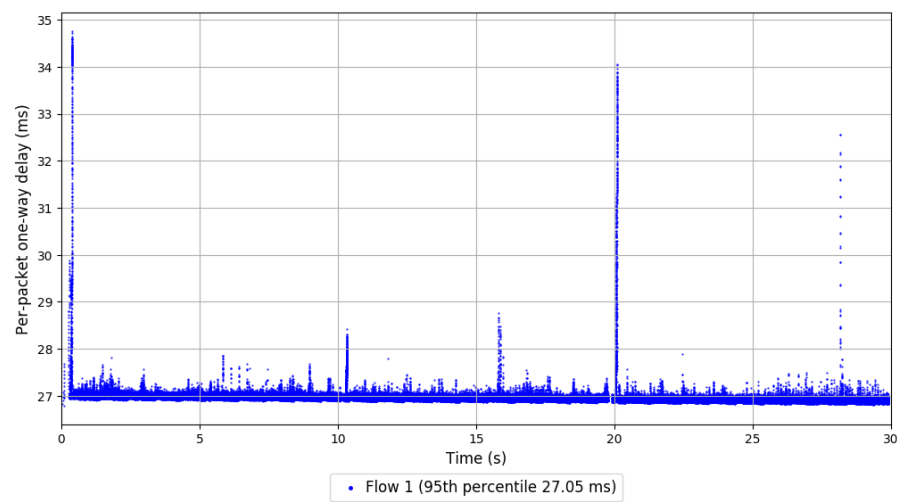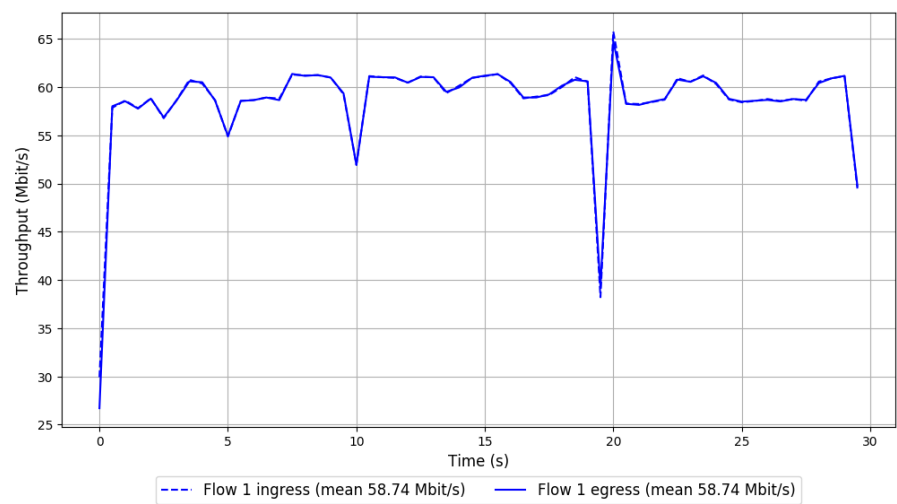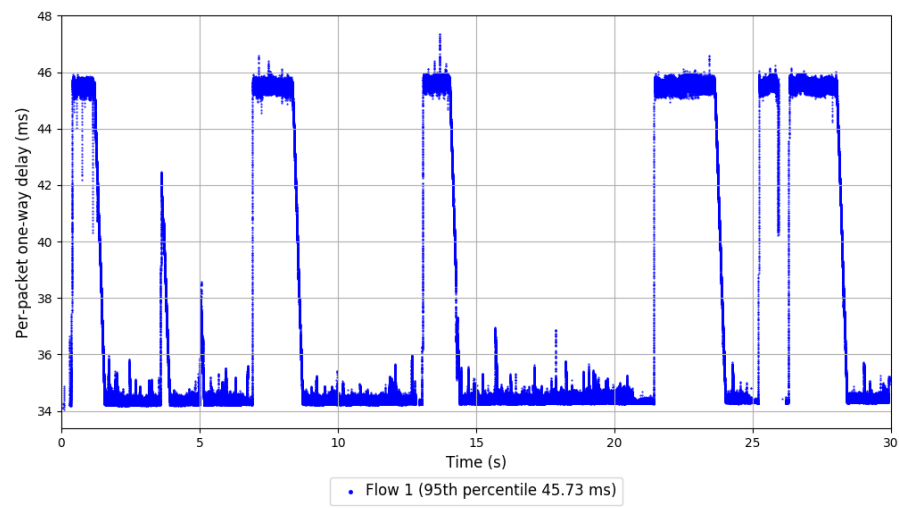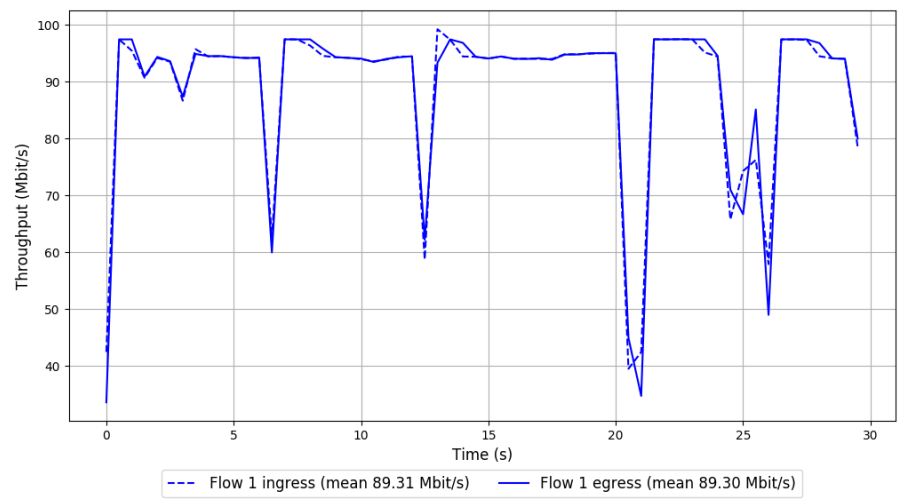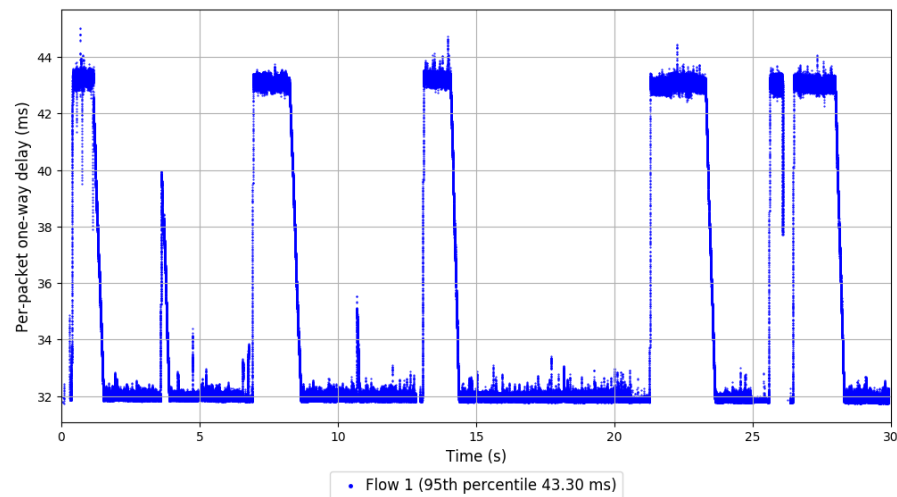
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-01-08 19:31:07
End at: 2018-01-08 19:31:37
Local clock offset: 12.099 ms
Remote clock offset: -11.409 ms


# Below is generated by plot.py at 2018-01-09 01:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 45.730 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 45.730 ms
Loss rate: 0.09%
```

Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 89.31 Mbit/s) --- Flow 1 egress (mean 89.30 Mbit/s)
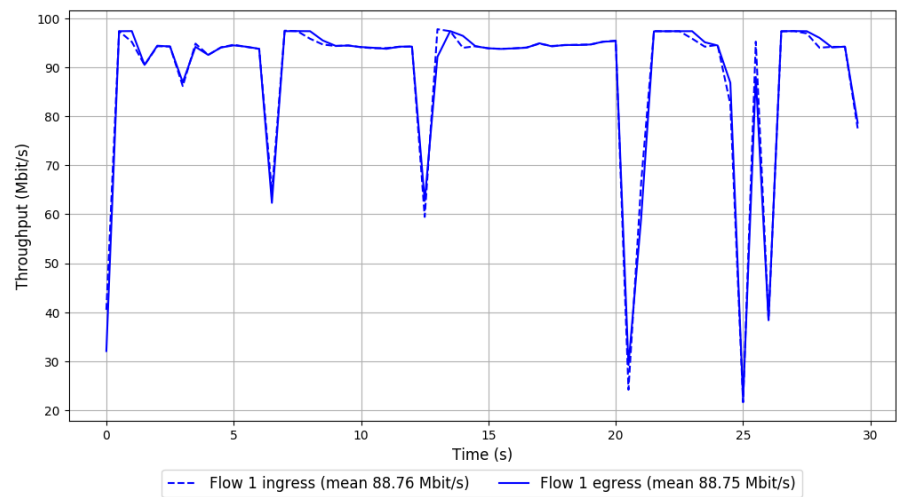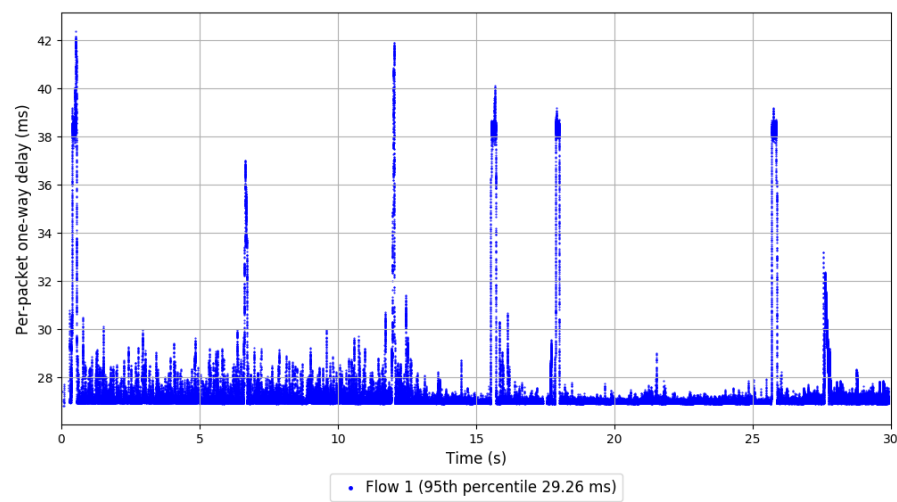

• Flow 1 (95th percentile 45.73 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-08 19:49:01
End at: 2018-01-08 19:49:31
Local clock offset: 7.778 ms
Remote clock offset: -12.613 ms


# Below is generated by plot.py at 2018-01-09 01:00:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 43.303 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 43.303 ms
Loss rate: 0.09%
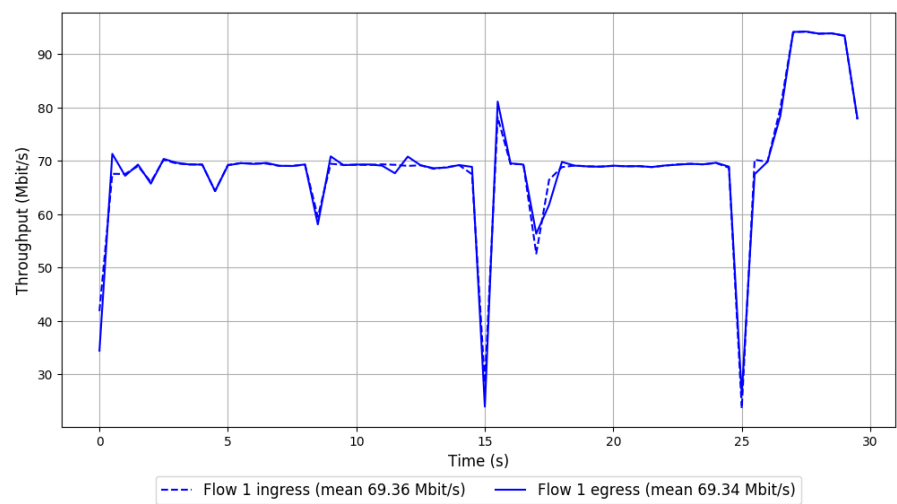```

Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-08 20:07:01
End at: 2018-01-08 20:07:31
Local clock offset: 4.087 ms
Remote clock offset: -12.175 ms


# Below is generated by plot.py at 2018-01-09 01:00:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 29.264 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 29.264 ms
Loss rate: 0.12%
```

Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 69.36 Mbit/s)   Flow 1 egress (mean 69.34 Mbit/s)
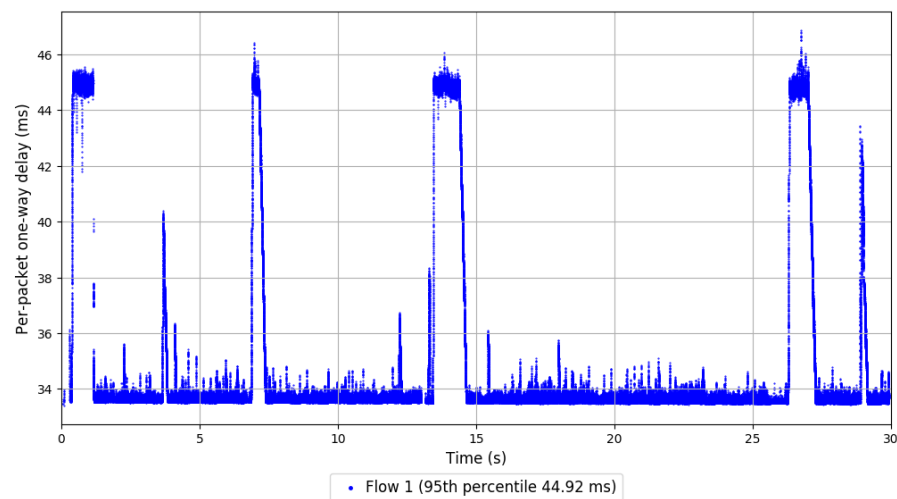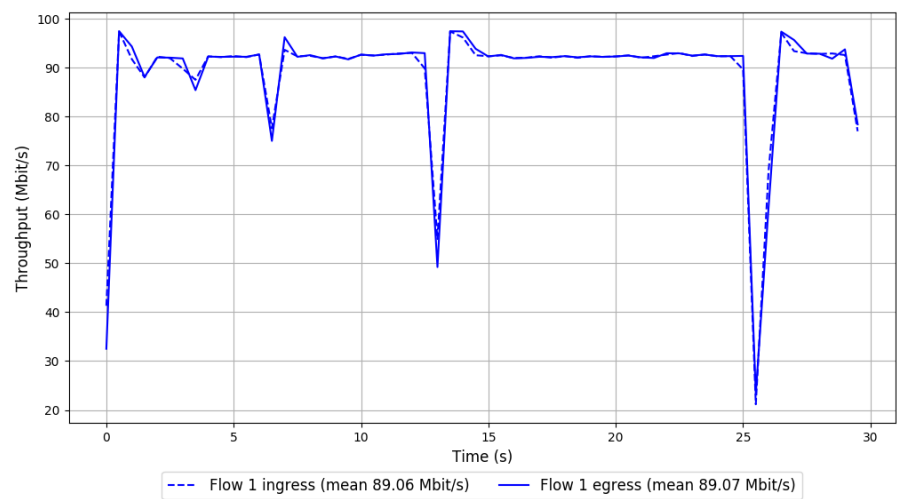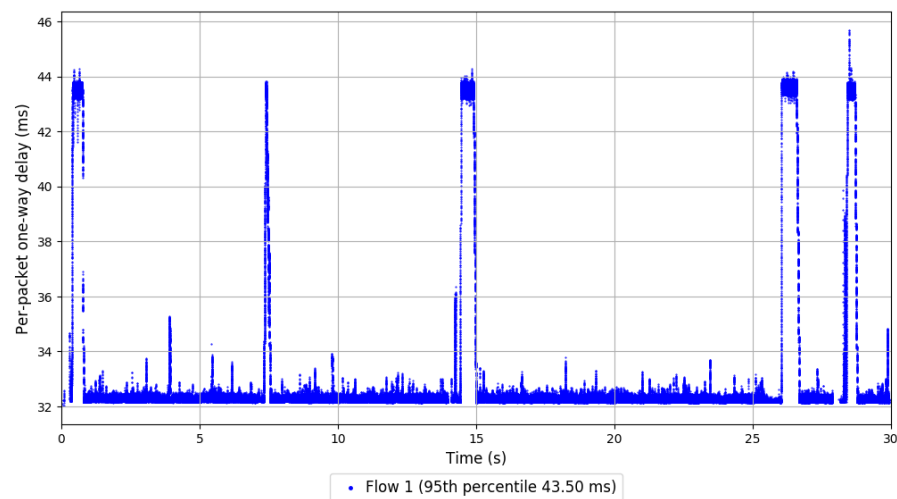

Flow 1 (95th percentile 29.26 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-01-08 20:25:15
End at: 2018-01-08 20:25:45
Local clock offset: 10.97 ms
Remote clock offset: -13.254 ms


# Below is generated by plot.py at 2018-01-09 01:00:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 44.917 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 44.917 ms
Loss rate: 0.09%
```

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 89.06 Mbit/s) --- Flow 1 egress (mean 89.07 Mbit/s)
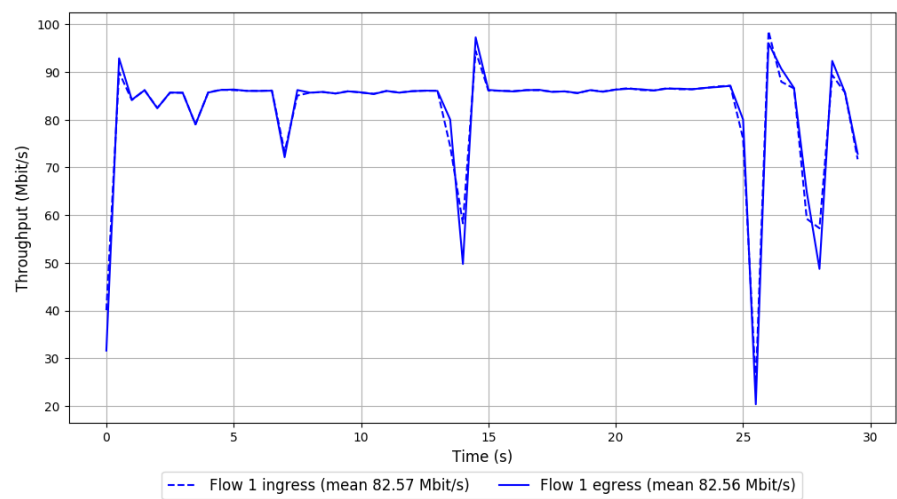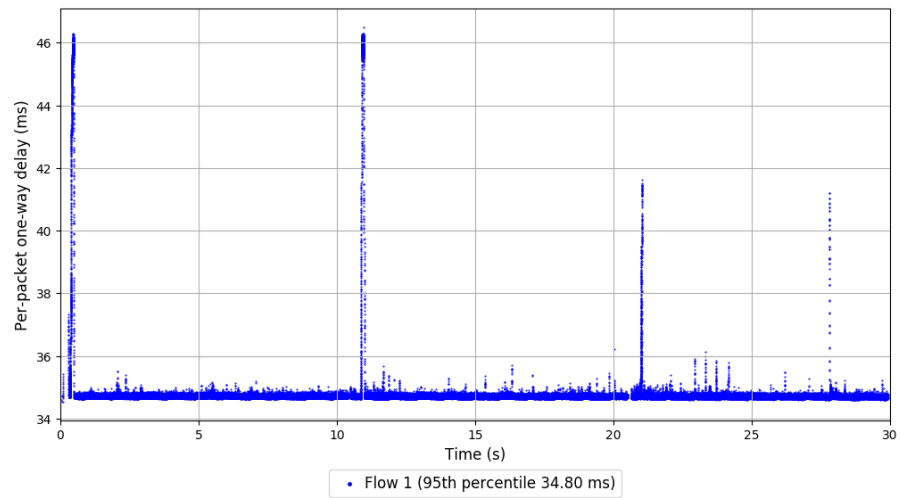

• Flow 1 (95th percentile 44.92 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-08 20:43:17
End at: 2018-01-08 20:43:47
Local clock offset: 10.264 ms
Remote clock offset: -14.285 ms


# Below is generated by plot.py at 2018-01-09 01:00:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.56 Mbit/s
95th percentile per-packet one-way delay: 43.502 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.56 Mbit/s
95th percentile per-packet one-way delay: 43.502 ms
Loss rate: 0.09%
```

Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.57 Mbit/s)   Flow 1 egress (mean 82.56 Mbit/s)
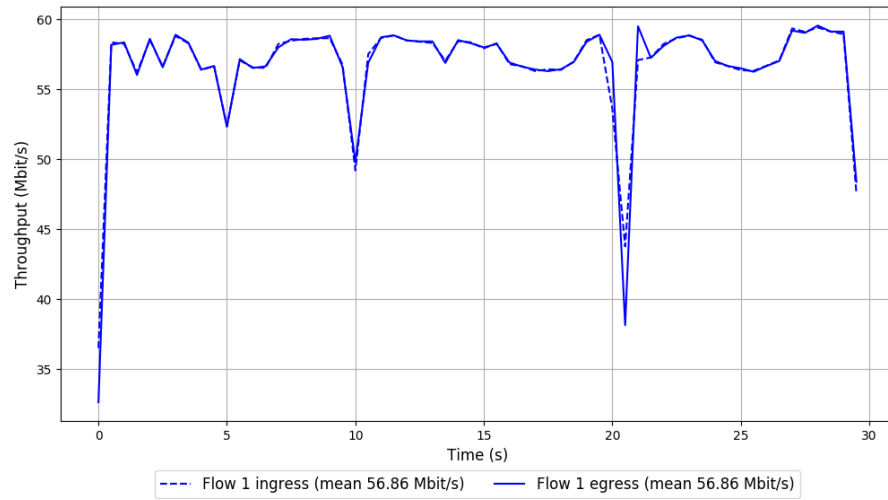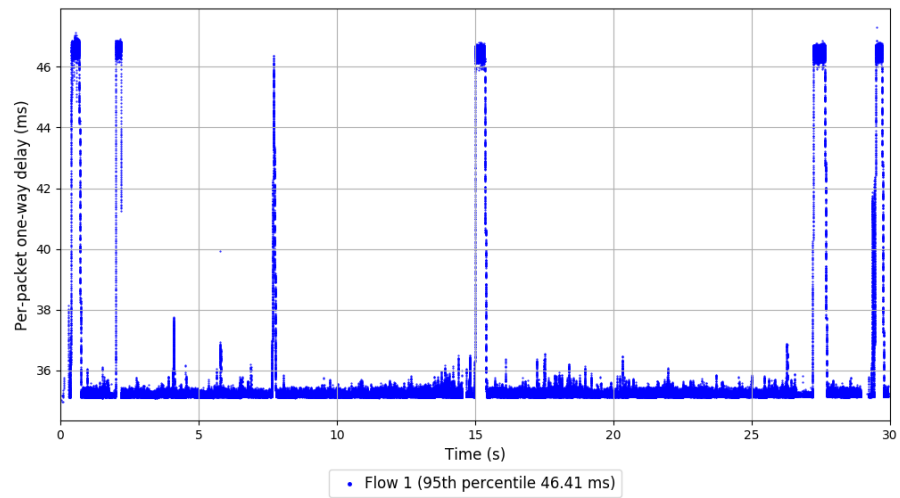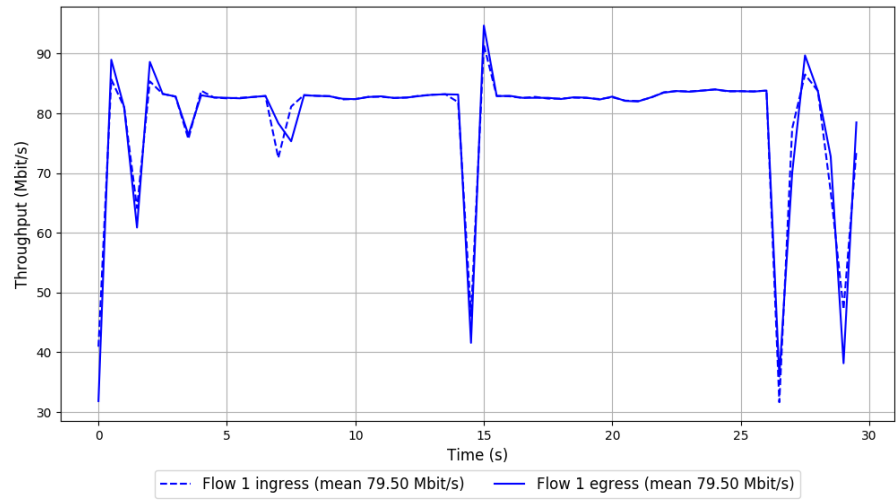

Flow 1 (95th percentile 43.50 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-01-08 21:00:57
End at: 2018-01-08 21:01:27
Local clock offset: 12.176 ms
Remote clock offset: -16.565 ms


# Below is generated by plot.py at 2018-01-09 01:00:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 34.804 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 34.804 ms
Loss rate: 0.09%
```

Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 56.86 Mbit/s)   Flow 1 egress (mean 56.86 Mbit/s)

Flow 1 (95th percentile 34.80 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-08 21:18:26
End at: 2018-01-08 21:18:56
Local clock offset: 12.191 ms
Remote clock offset: -17.371 ms


# Below is generated by plot.py at 2018-01-09 01:02:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 46.407 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 46.407 ms
Loss rate: 0.09%
```
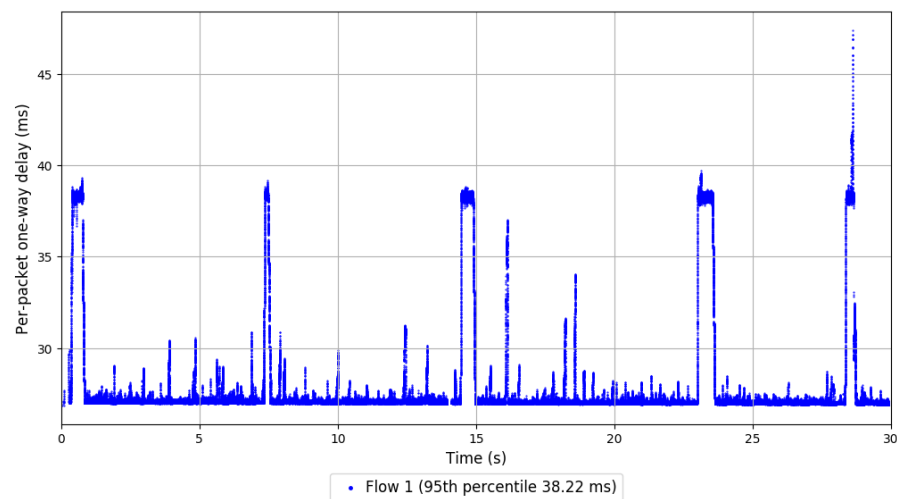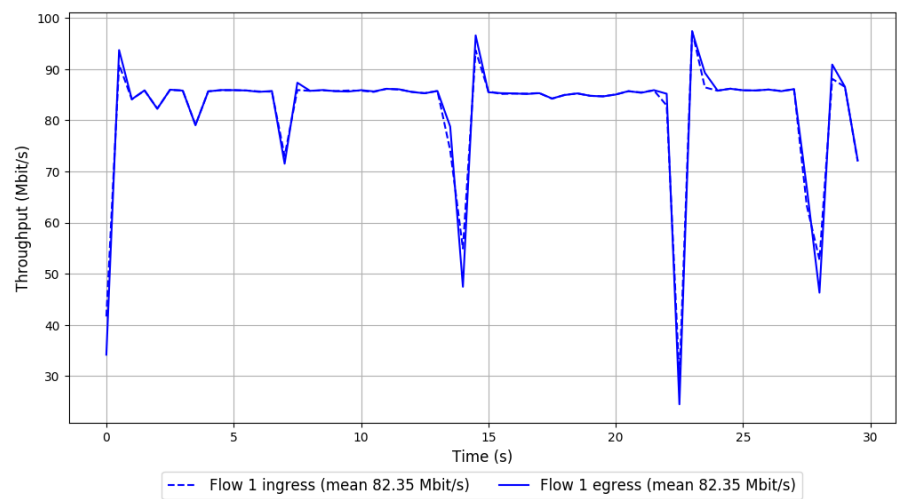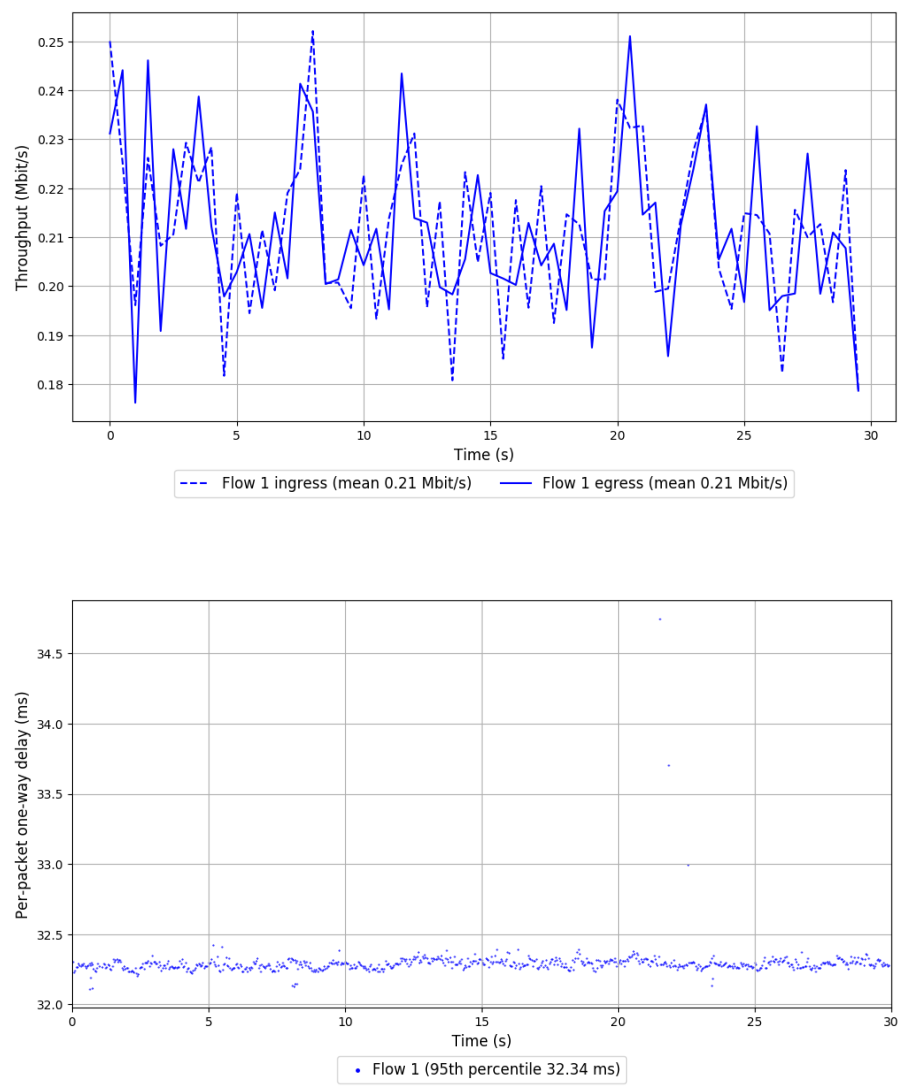
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 79.50 Mbit/s) --- Flow 1 egress (mean 79.50 Mbit/s)

Flow 1 (95th percentile 46.41 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-08 21:36:14
End at: 2018-01-08 21:36:44
Local clock offset: 3.6 ms
Remote clock offset: -18.237 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 38.224 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 38.224 ms
Loss rate: 0.09%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.35 Mbit/s) --- Flow 1 egress (mean 82.35 Mbit/s)
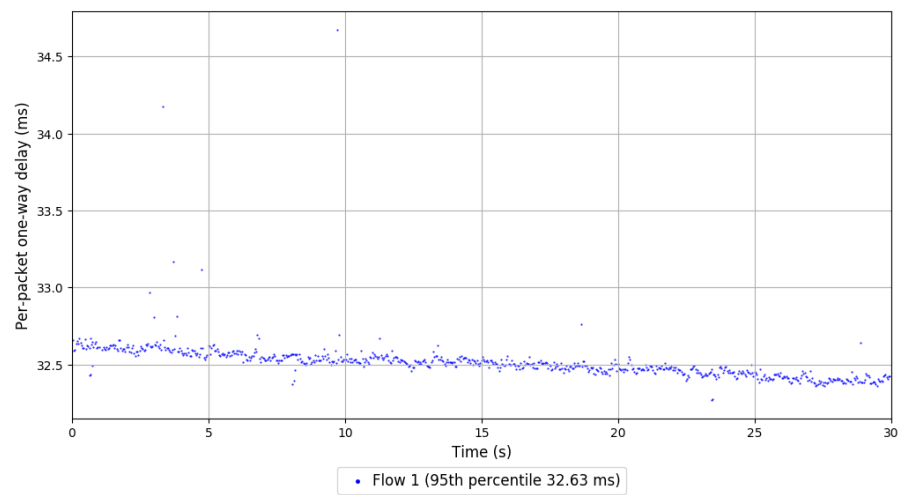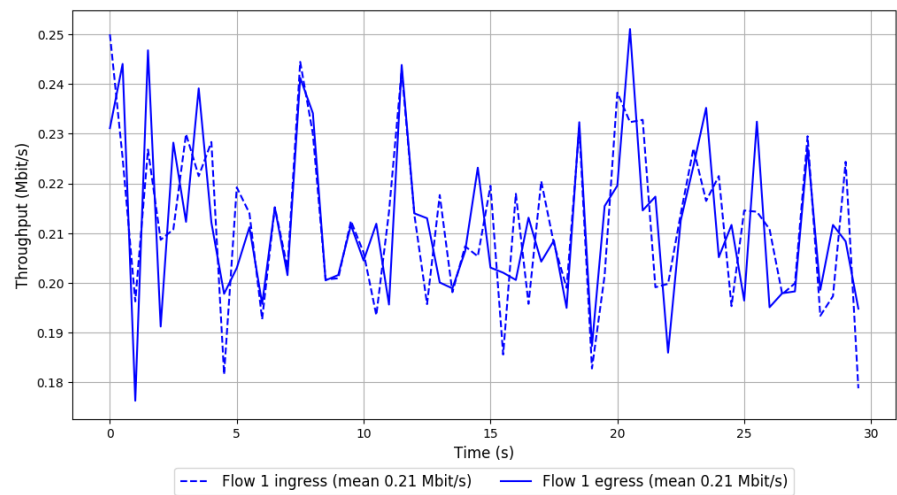

Flow 1 (95th percentile 38.22 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-01-08 19:05:30
End at: 2018-01-08 19:06:00
Local clock offset: 6.635 ms
Remote clock offset: -9.369 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.340 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.340 ms
Loss rate: 0.13%
```
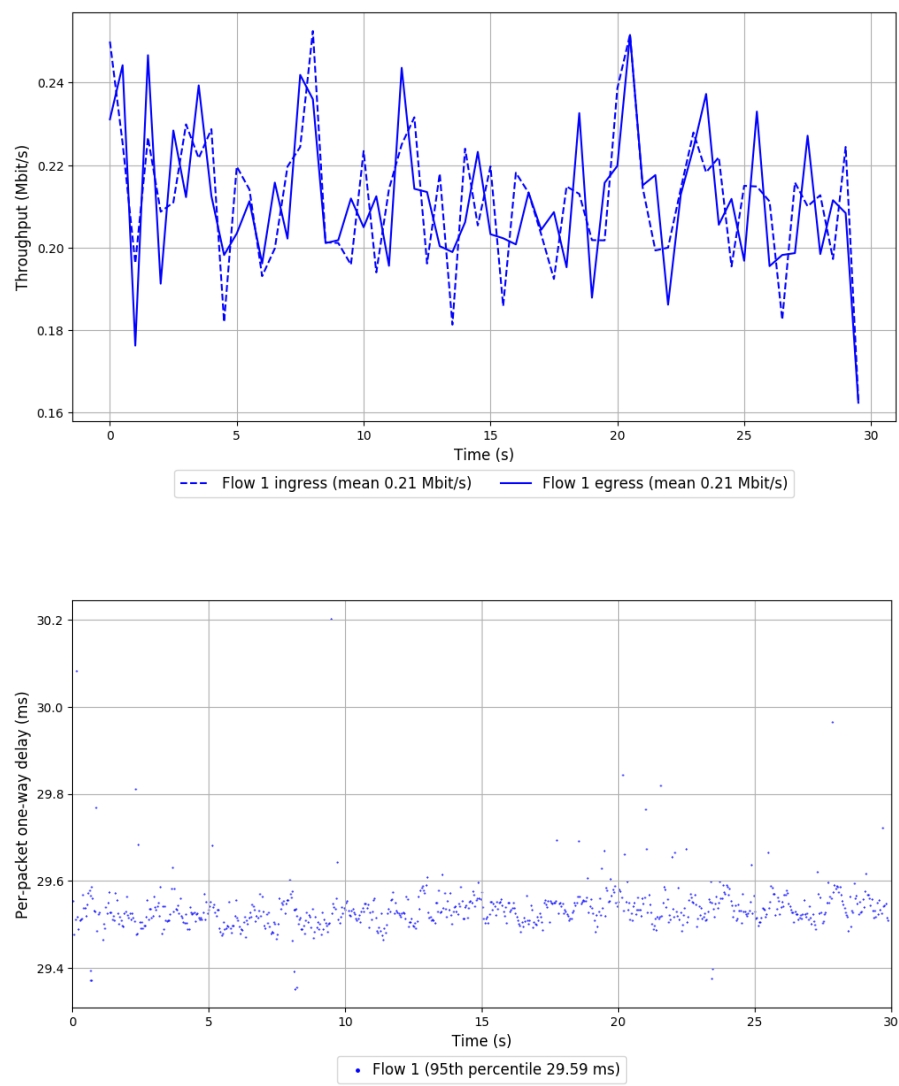
Run 1: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 32.34 ms)

```
Run 2: Statistics of SCReAM

Start at: 2018-01-08 19:23:05
End at: 2018-01-08 19:23:35
Local clock offset: 7.961 ms
Remote clock offset: -11.41 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.627 ms
Loss rate: 0.00%
```
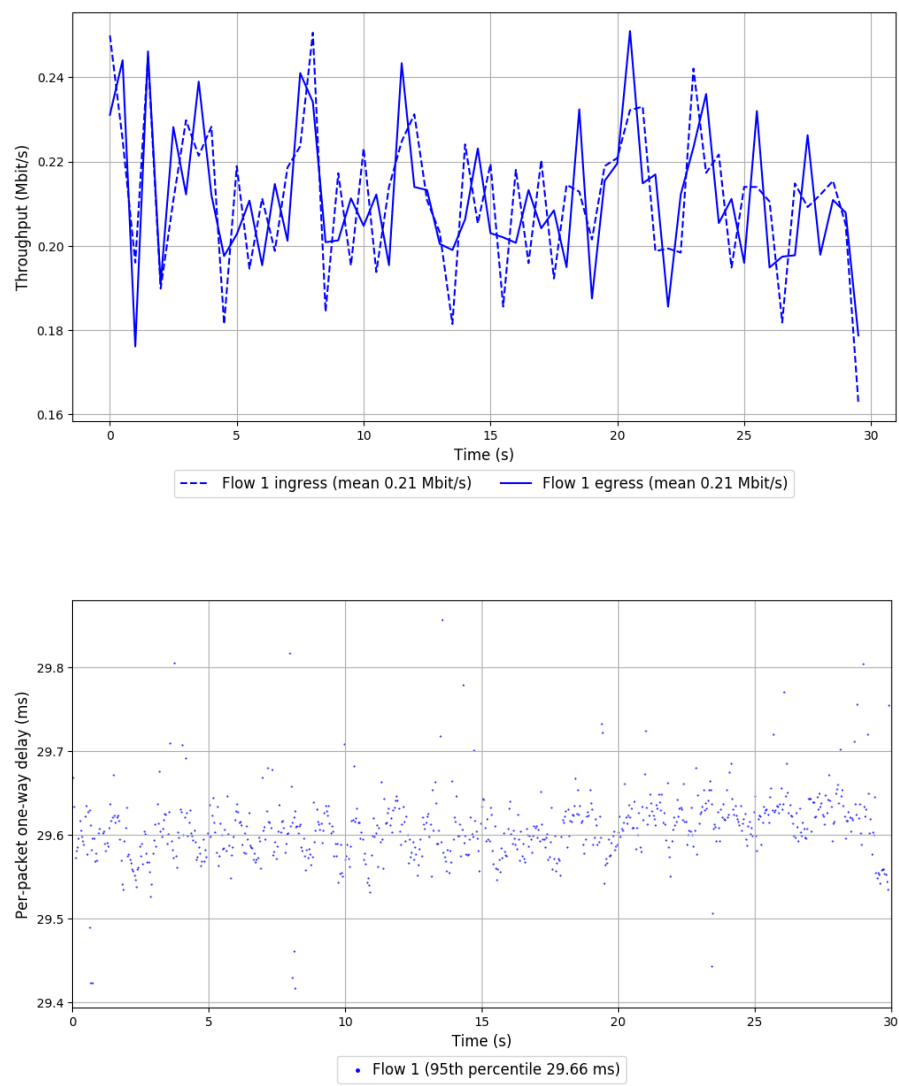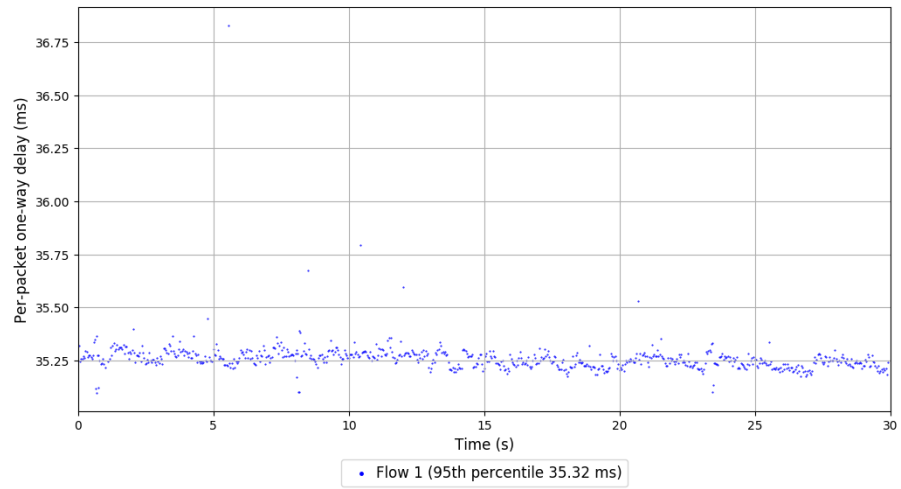
Run 2: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 32.63 ms)

```
Run 3: Statistics of SCReAM

Start at: 2018-01-08 19:40:50
End at: 2018-01-08 19:41:20
Local clock offset: 5.037 ms
Remote clock offset: -12.497 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.591 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.591 ms
Loss rate: 0.13%
```

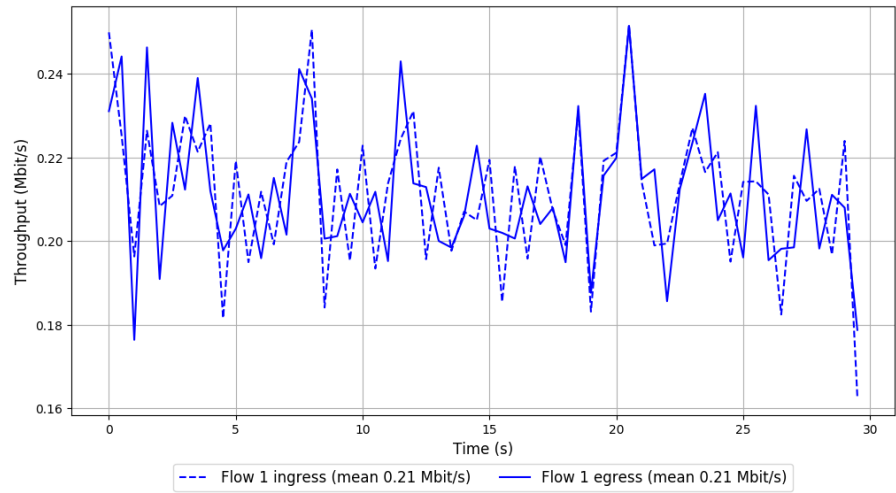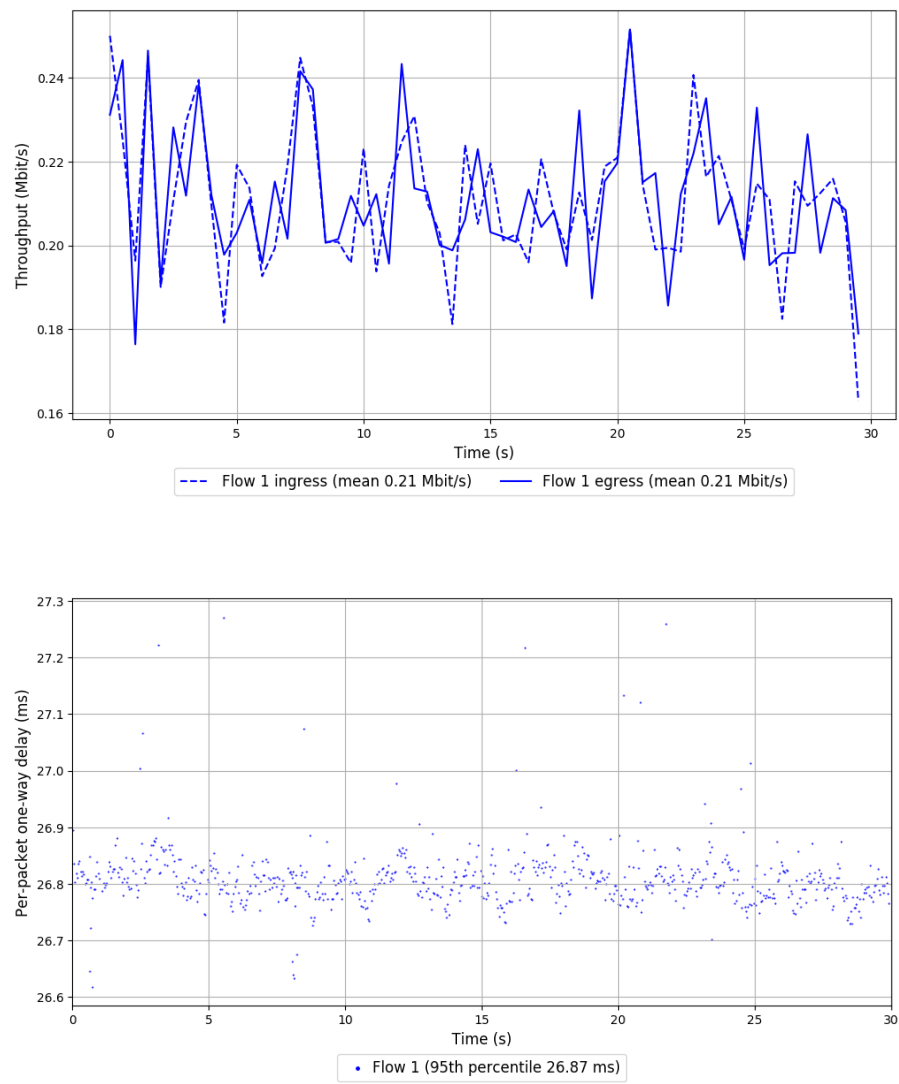Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2018-01-08 19:58:49
End at: 2018-01-08 19:59:19
Local clock offset: 4.856 ms
Remote clock offset: -14.109 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.663 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

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

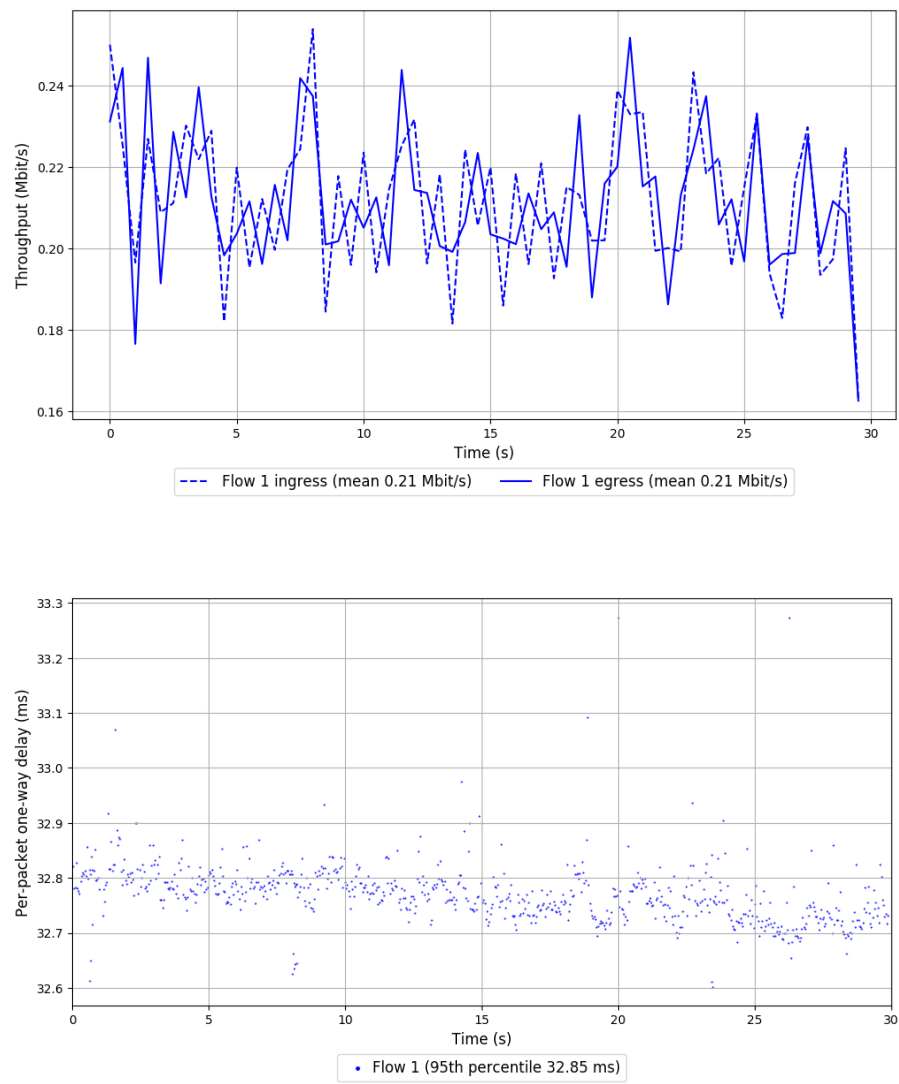Flow 1 (95th percentile 29.66 ms)

```
Run 5: Statistics of SCReAM

Start at: 2018-01-08 20:16:53
End at: 2018-01-08 20:17:23
Local clock offset: 9.454 ms
Remote clock offset: -15.591 ms

# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.321 ms
Loss rate: 0.00%
```
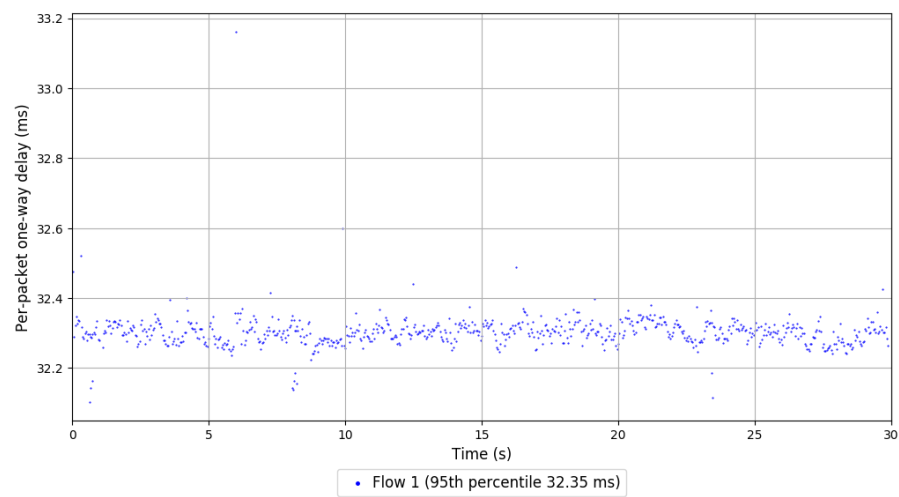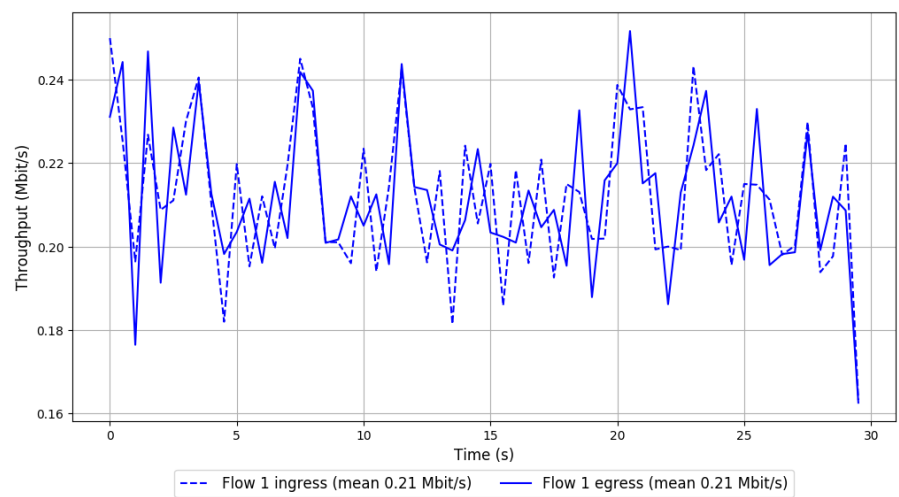
Run 5: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 35.32 ms)

```
Run 6: Statistics of SCReAM

Start at: 2018-01-08 20:35:09
End at: 2018-01-08 20:35:39
Local clock offset: 5.064 ms
Remote clock offset: -13.776 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.871 ms
Loss rate: 0.00%
```

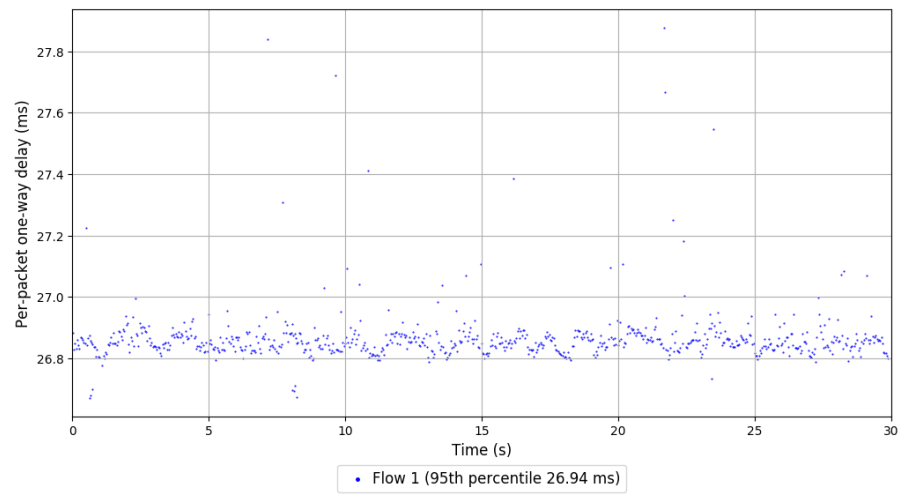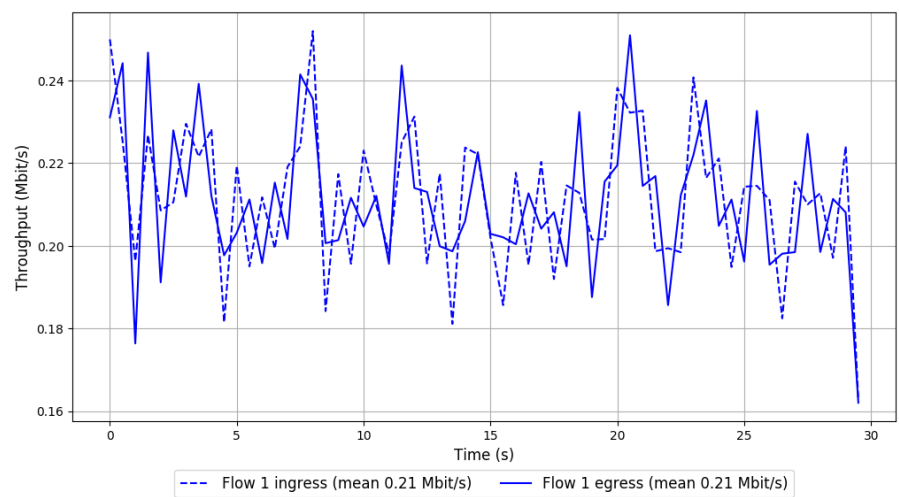# Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-01-08 20:52:52
End at: 2018-01-08 20:53:22
Local clock offset: 9.975 ms
Remote clock offset: -15.916 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.849 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.849 ms
Loss rate: 0.13%
```
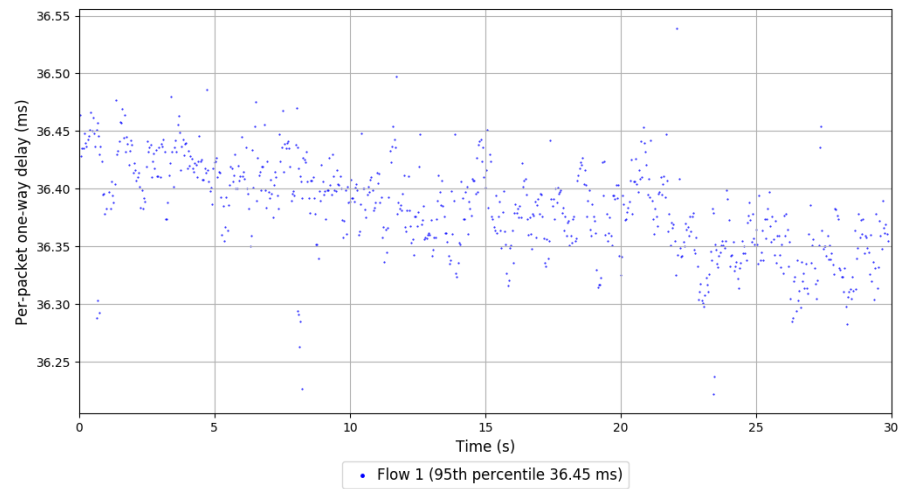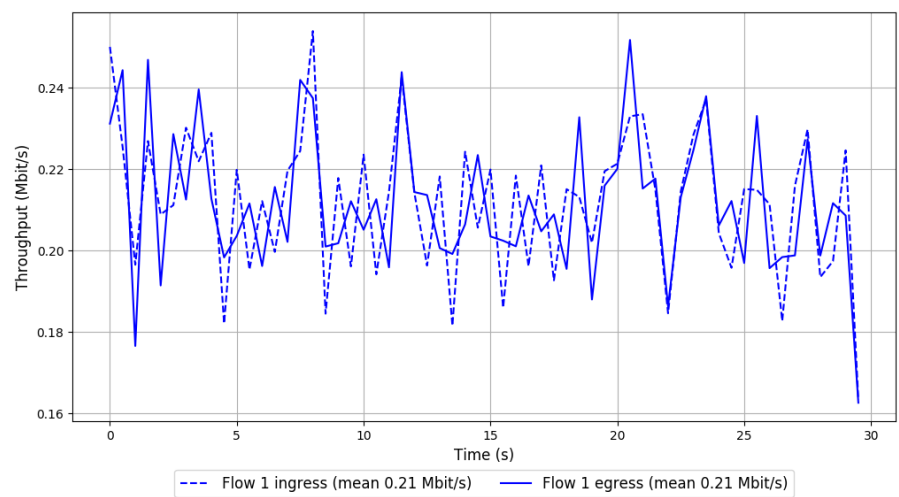
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2018-01-08 21:10:21
End at: 2018-01-08 21:10:51
Local clock offset: 11.329 ms
Remote clock offset: -15.343 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.350 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.350 ms
Loss rate: 0.13%
```

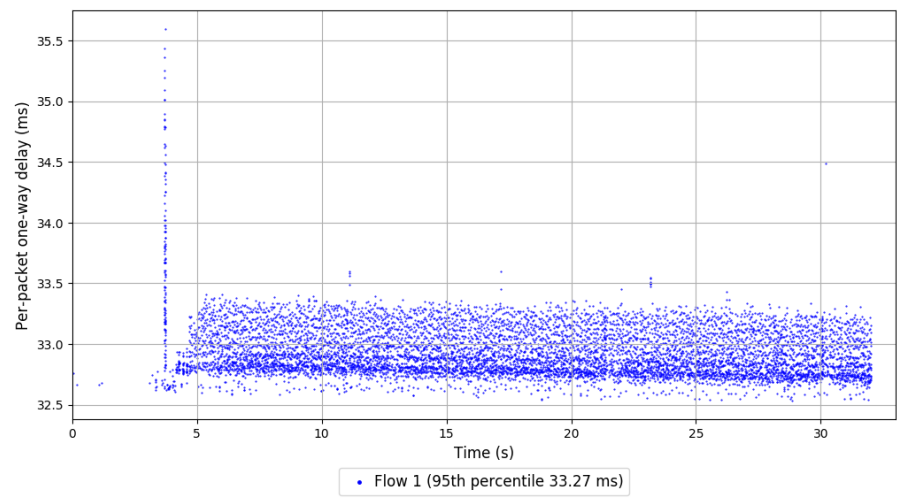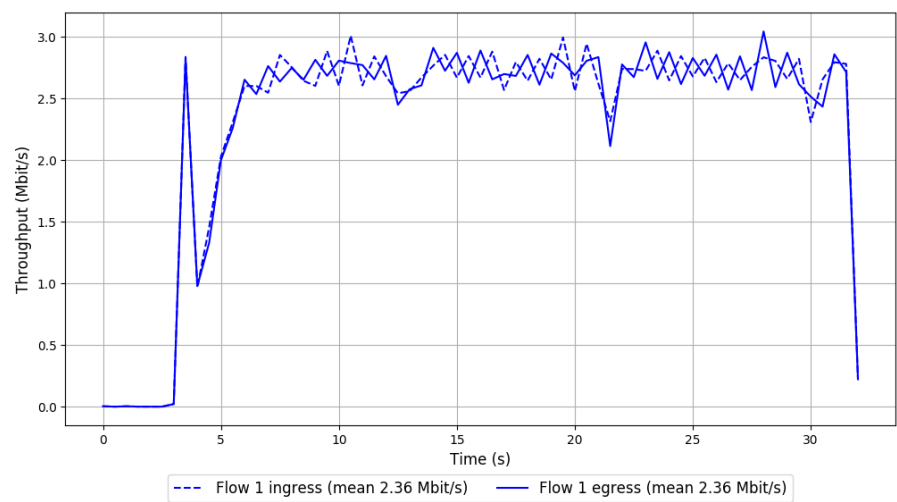## Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 32.35 ms)

```
Run 9: Statistics of SCReAM

Start at: 2018-01-08 21:28:04
End at: 2018-01-08 21:28:34
Local clock offset: 5.112 ms
Remote clock offset: -16.082 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.937 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.937 ms
Loss rate: 0.13%
```
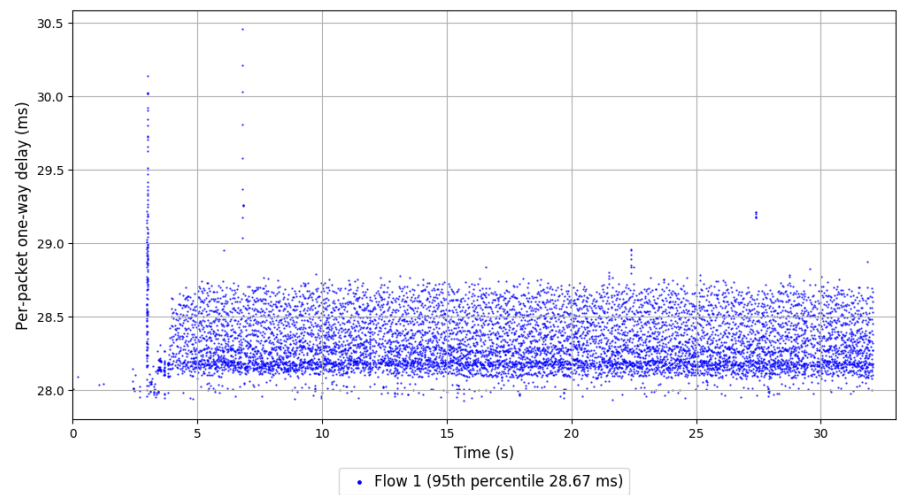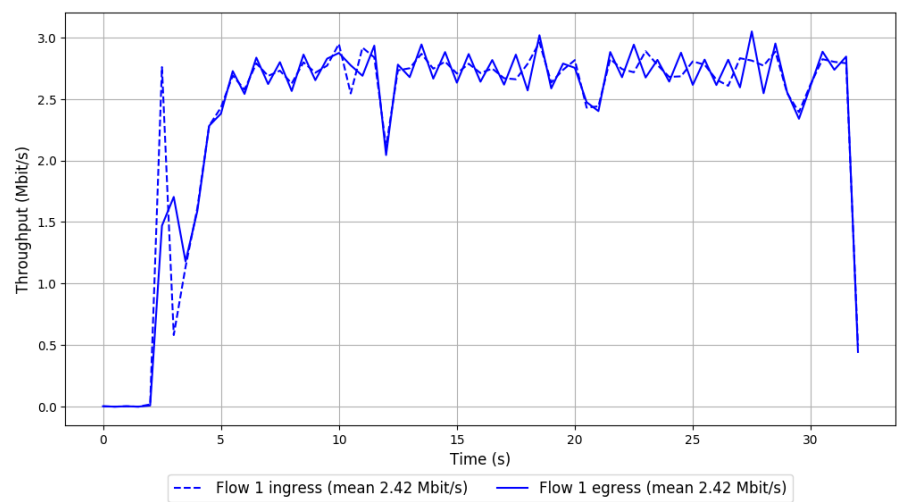
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2018-01-08 21:46:06
End at: 2018-01-08 21:46:36
Local clock offset: 12.69 ms
Remote clock offset: -19.904 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.445 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.445 ms
Loss rate: 0.13%
```

Run 10: Report of SCReAM — Data Link

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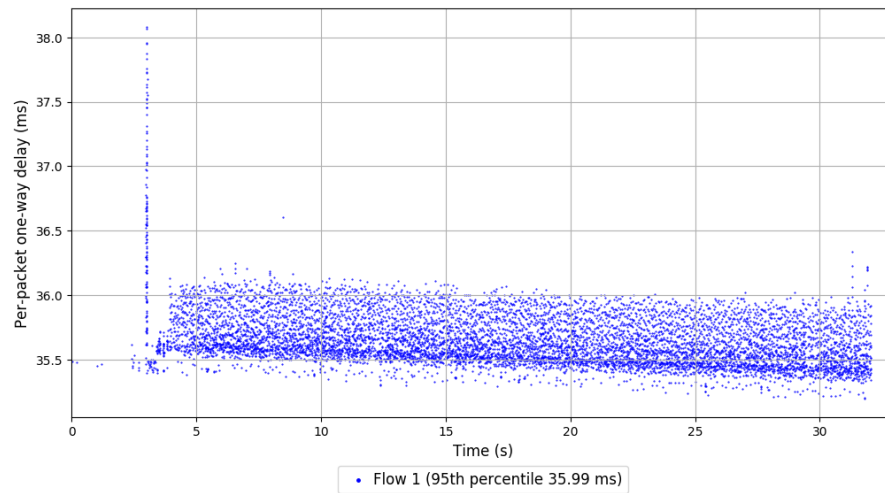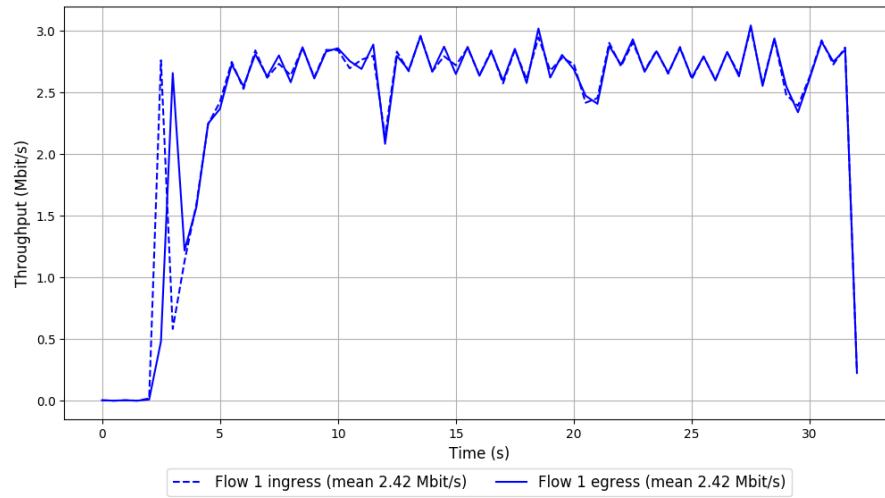

Flow 1 (95th percentile 36.45 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2018-01-08 18:53:52
End at: 2018-01-08 18:54:22
Local clock offset: 9.563 ms
Remote clock offset: -9.073 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 0.15%
```
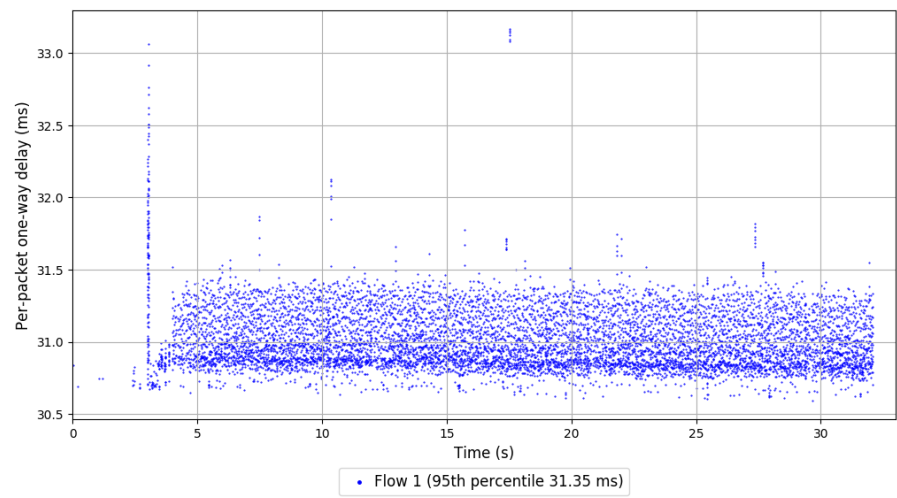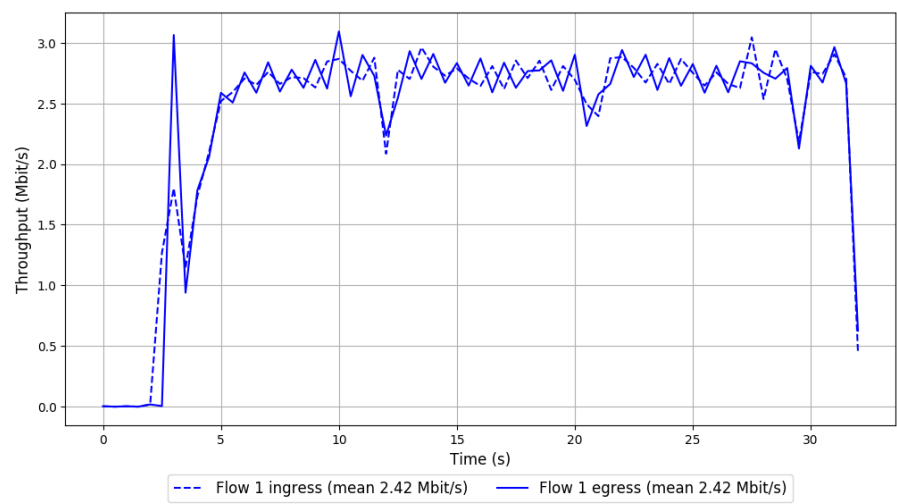
Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.36 Mbit/s)　—　Flow 1 egress (mean 2.36 Mbit/s)

Flow 1 (95th percentile 33.27 ms)

```
Run 2: Statistics of WebRTC media

Start at: 2018-01-08 19:11:14
End at: 2018-01-08 19:11:44
Local clock offset: 2.901 ms
Remote clock offset: -8.324 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 28.667 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 28.667 ms
Loss rate: 0.14%
```
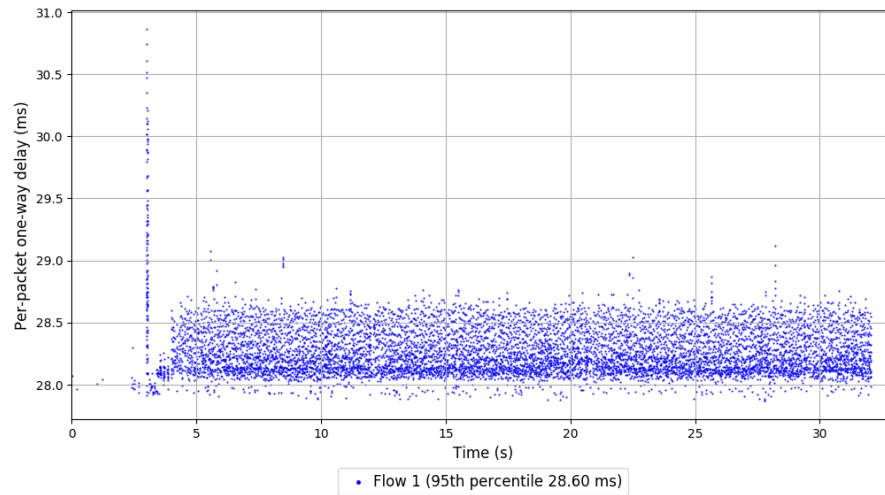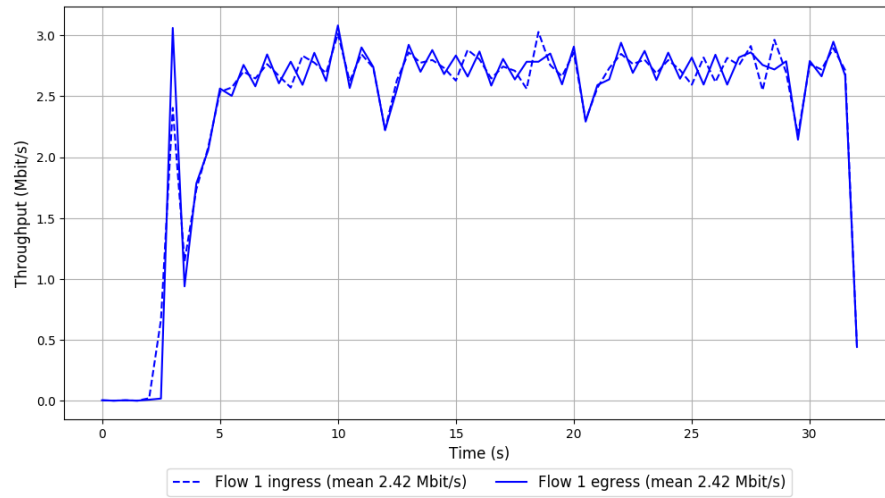
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-01-08 19:28:54
End at: 2018-01-08 19:29:24
Local clock offset: 12.475 ms
Remote clock offset: -12.48 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 35.988 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 35.988 ms
Loss rate: 0.14%
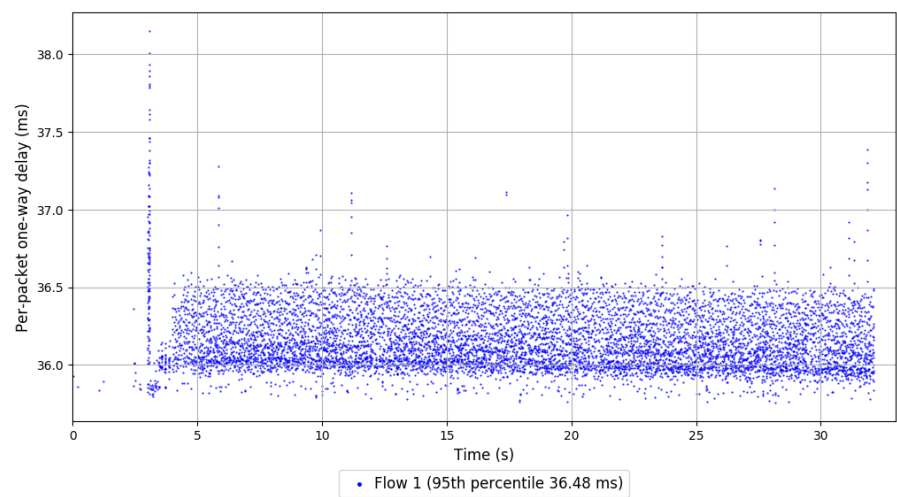```
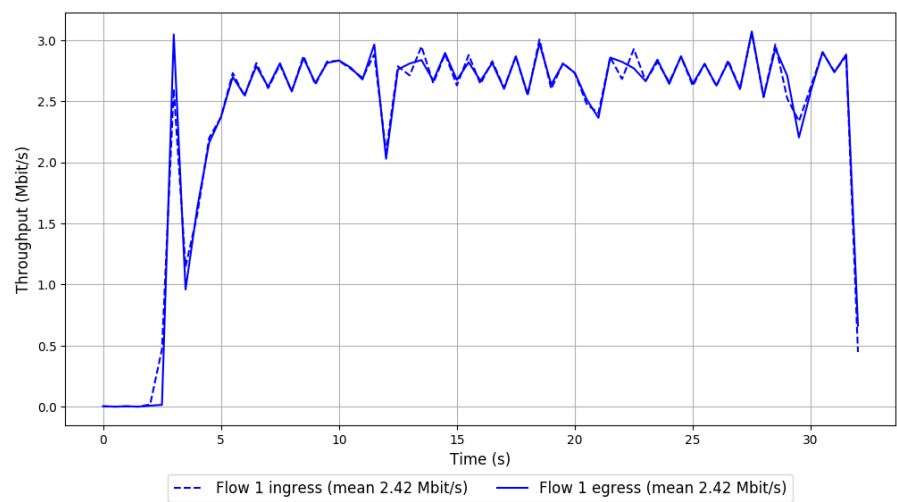
Run 3: Report of WebRTC media — Data Link



Flow 1 ingress (mean 2.42 Mbit/s)    Flow 1 egress (mean 2.42 Mbit/s)



Flow 1 (95th percentile 35.99 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2018-01-08 19:46:47
End at: 2018-01-08 19:47:17
Local clock offset: 6.462 ms
Remote clock offset: -12.56 ms

Below is generated by plot.py at 2018-01-09 01:02:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 31.349 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 31.349 ms
Loss rate: 0.02%
```
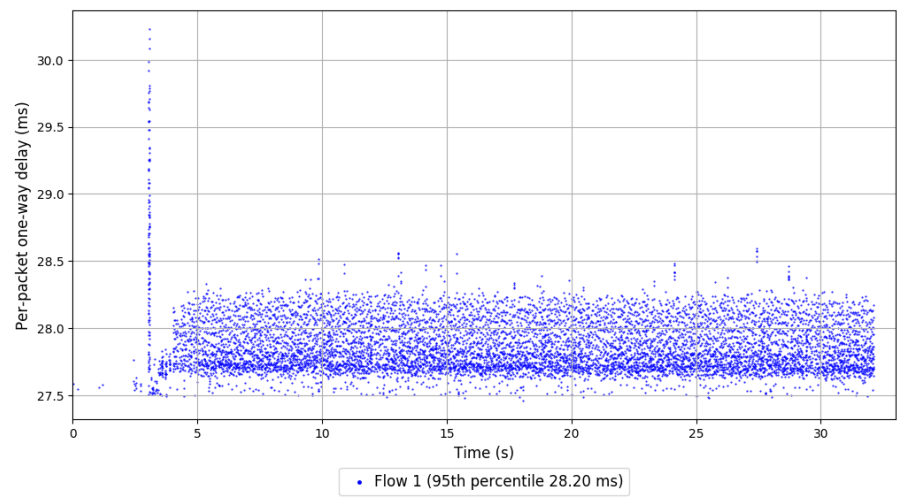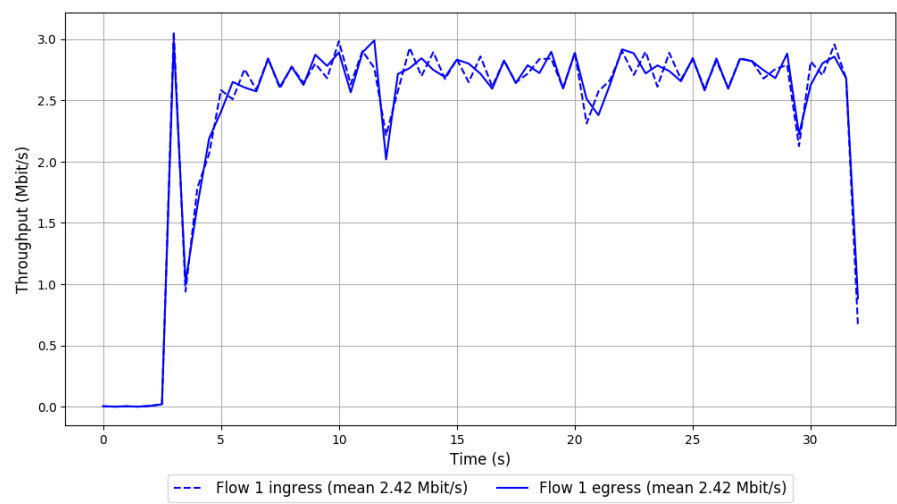
Run 4: Report of WebRTC media — Data Link



Flow 1 ingress (mean 2.42 Mbit/s)    Flow 1 egress (mean 2.42 Mbit/s)



Flow 1 (95th percentile 31.35 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2018-01-08 20:04:42
End at: 2018-01-08 20:05:12
Local clock offset: 3.508 ms
Remote clock offset: -13.792 ms

Below is generated by plot.py at 2018-01-09 01:02:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 28.600 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 28.600 ms
Loss rate: 0.14%
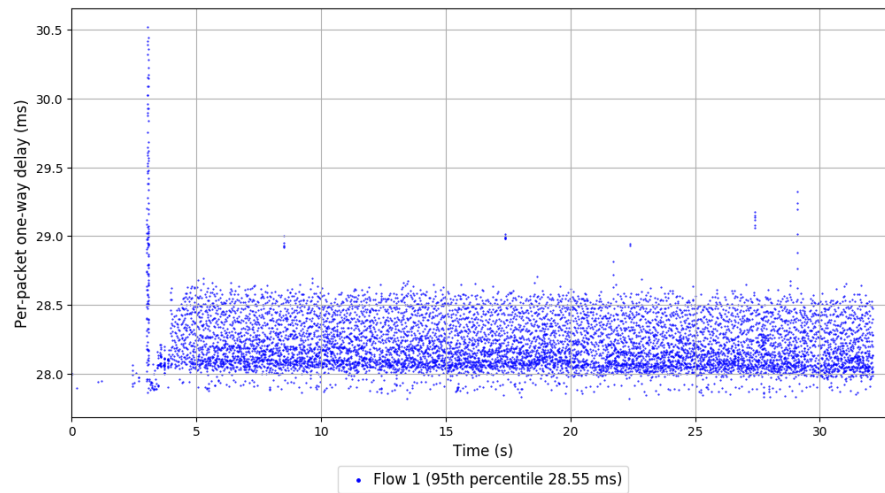```
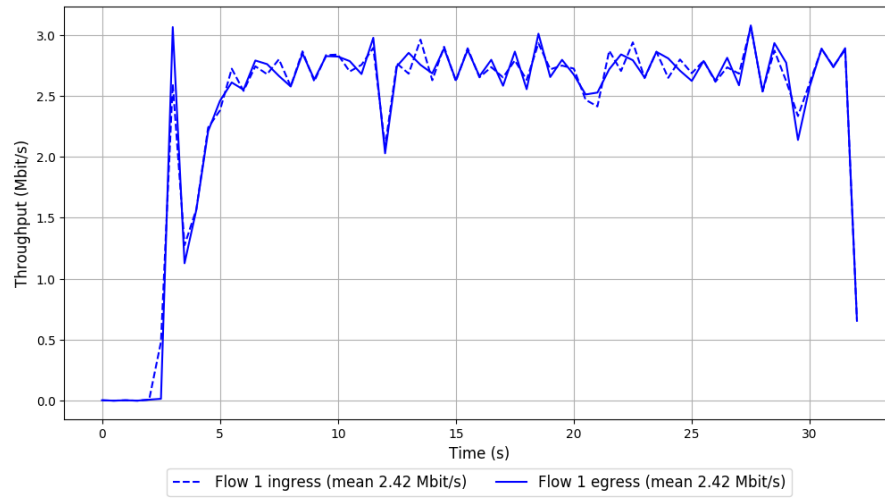
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2018-01-08 20:22:55
End at: 2018-01-08 20:23:25
Local clock offset: 10.677 ms
Remote clock offset: -15.676 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 36.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 36.482 ms
Loss rate: 0.00%
```
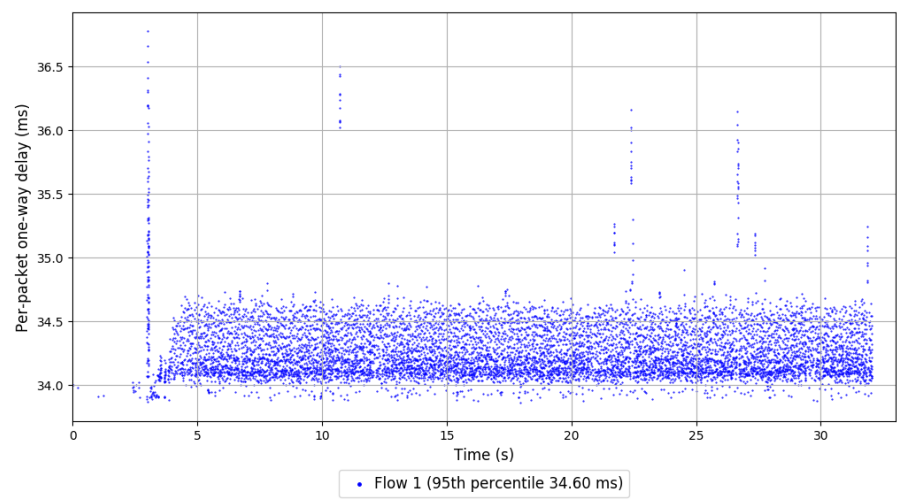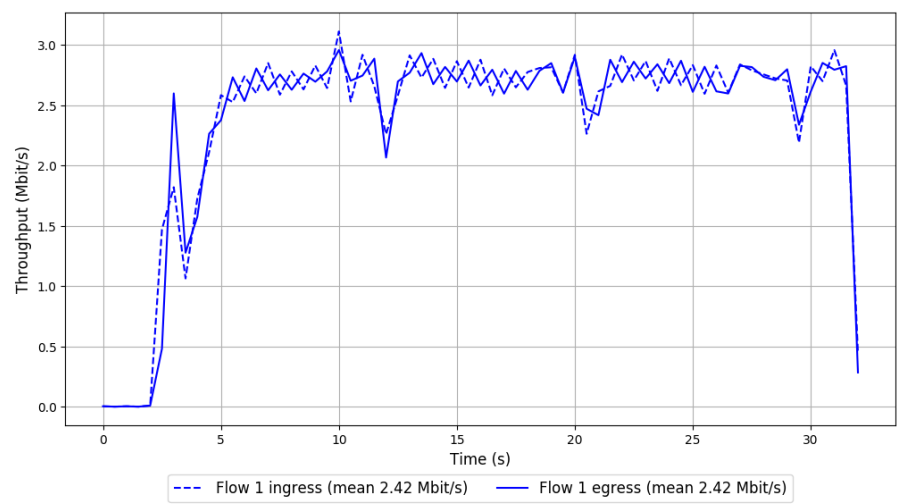
Run 6: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.42 Mbit/s)   Flow 1 egress (mean 2.42 Mbit/s)

Flow 1 (95th percentile 36.48 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2018-01-08 20:41:01
End at: 2018-01-08 20:41:31
Local clock offset: 4.46 ms
Remote clock offset: -15.454 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 28.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 28.203 ms
Loss rate: 0.00%
```
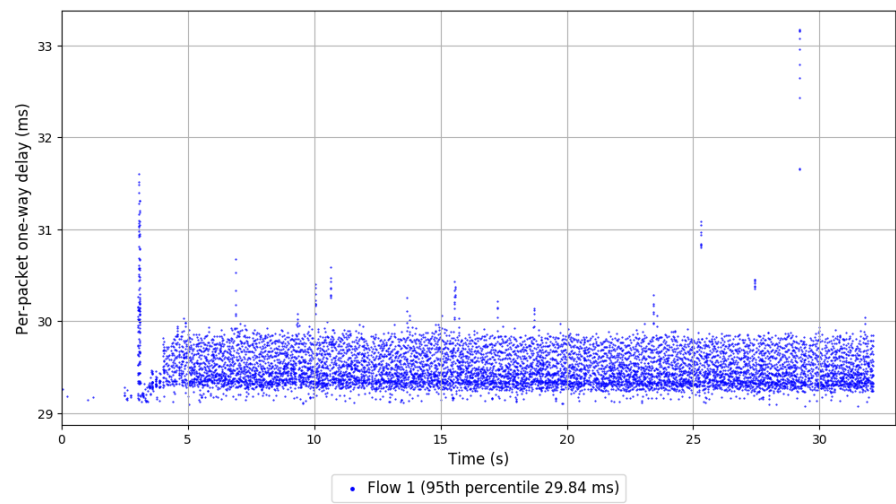
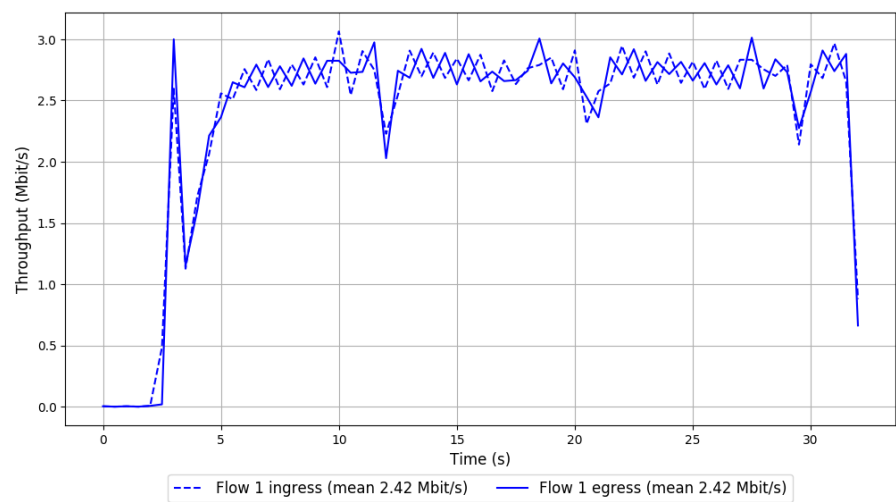Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-01-08 20:58:44
End at: 2018-01-08 20:59:14
Local clock offset: 6.519 ms
Remote clock offset: -15.44 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 28.548 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 28.548 ms
Loss rate: 0.14%
```
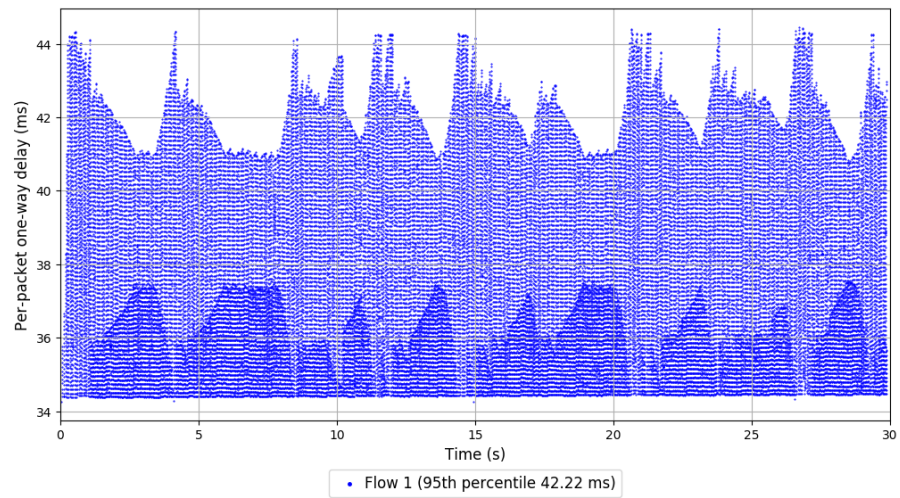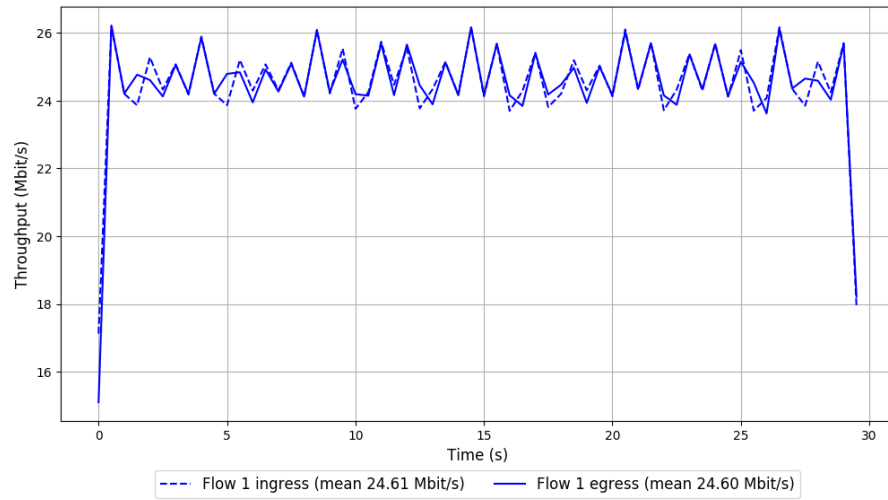
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.42 Mbit/s) --- Flow 1 egress (mean 2.42 Mbit/s)

Flow 1 (95th percentile 28.55 ms)

```
Run 9: Statistics of WebRTC media

Start at: 2018-01-08 21:16:11
End at: 2018-01-08 21:16:41
Local clock offset: 12.486 ms
Remote clock offset: -15.983 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 34.604 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 34.604 ms
Loss rate: 0.14%
```
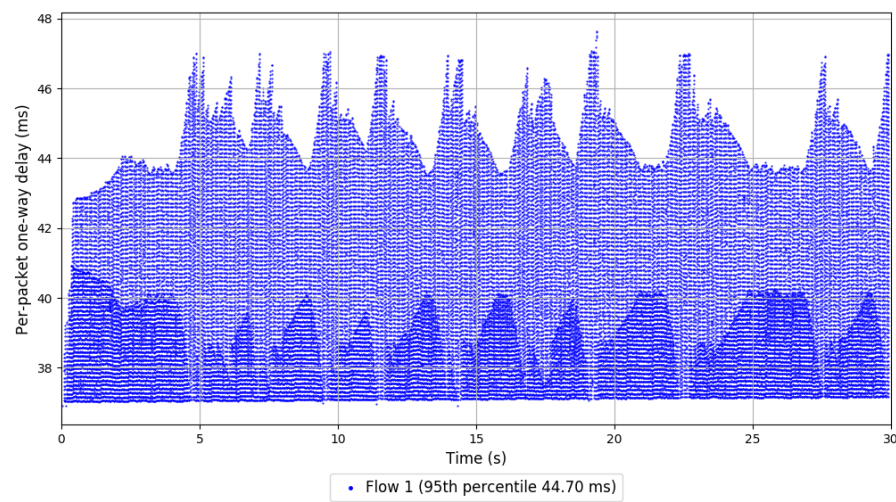
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-01-08 21:33:59
End at: 2018-01-08 21:34:29
Local clock offset: 6.204 ms
Remote clock offset: -17.668 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 29.836 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 29.836 ms
Loss rate: 0.14%
```
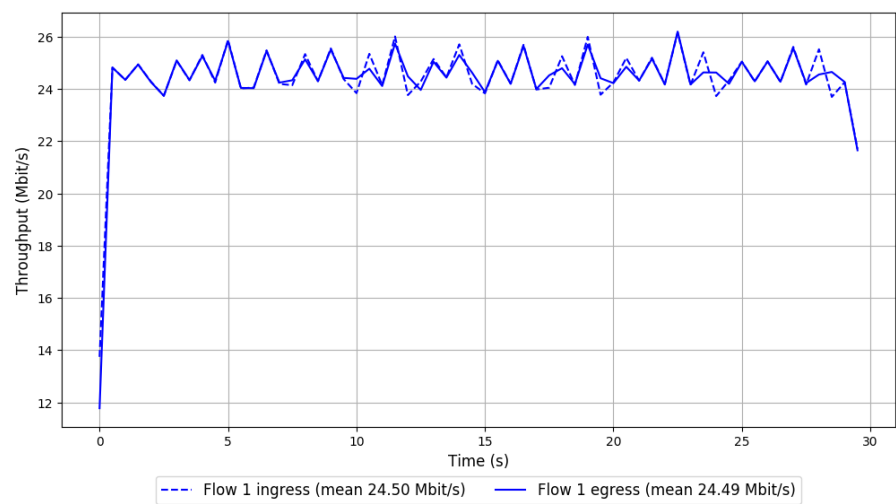
Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.42 Mbit/s)   Flow 1 egress (mean 2.42 Mbit/s)
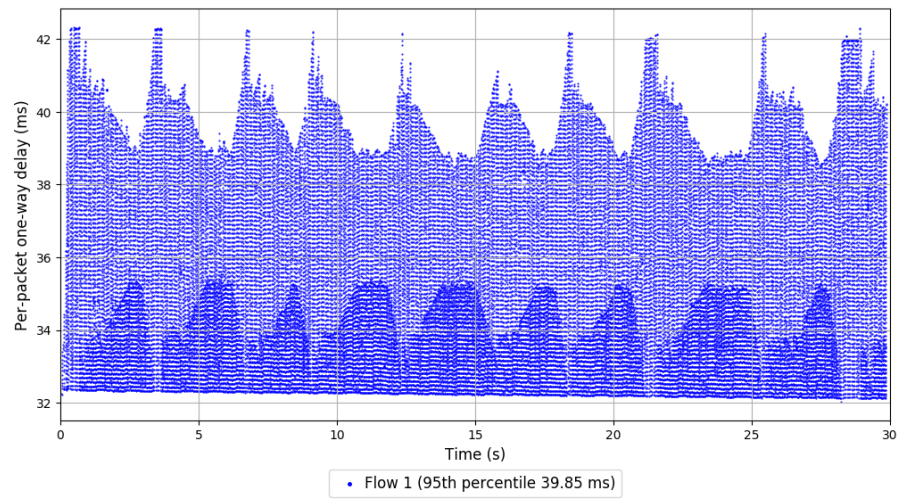
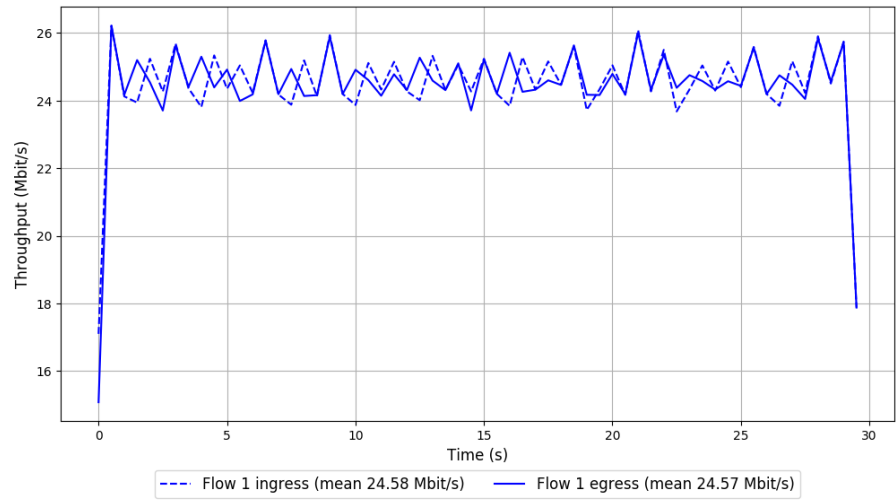

• Flow 1 (95th percentile 29.84 ms)

```
Run 1: Statistics of Sprout

Start at: 2018-01-08 18:51:37
End at: 2018-01-08 18:52:07
Local clock offset: 11.682 ms
Remote clock offset: -8.542 ms

# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 42.222 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 42.222 ms
Loss rate: 0.12%
```
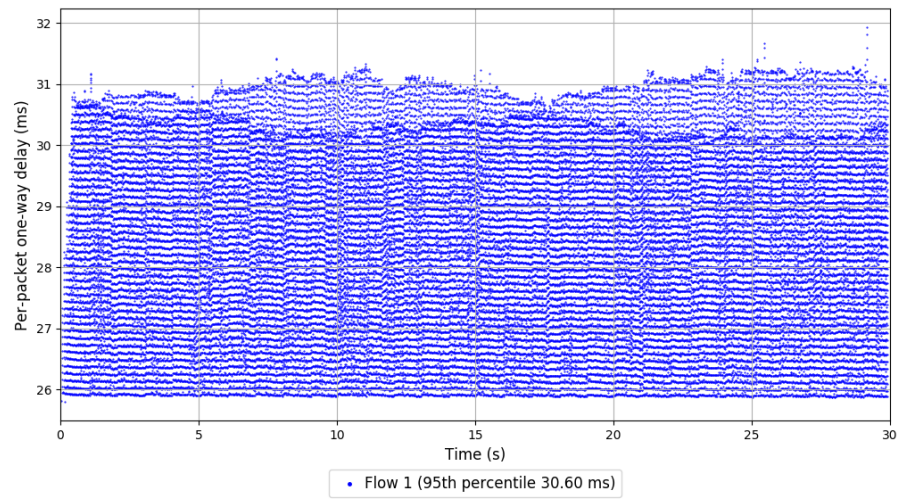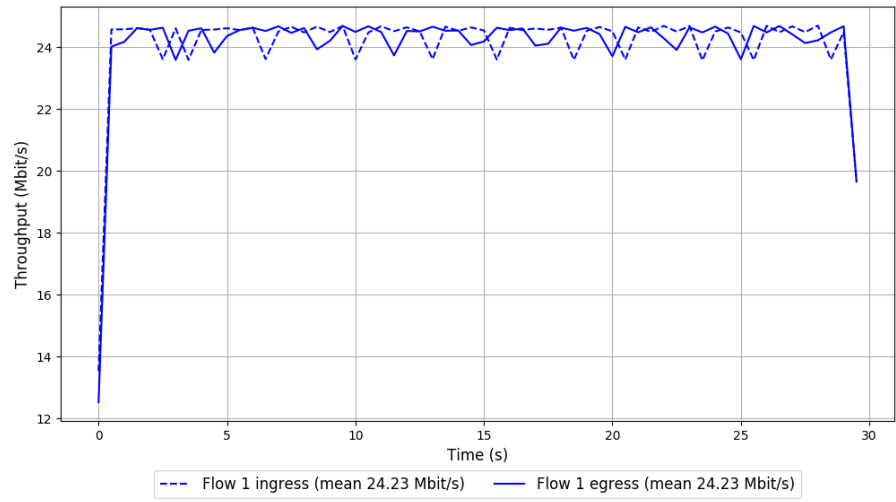
Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 24.61 Mbit/s)   Flow 1 egress (mean 24.60 Mbit/s)

• Flow 1 (95th percentile 42.22 ms)

Run 2: Statistics of Sprout

Start at: 2018-01-08 19:08:58
End at: 2018-01-08 19:09:28
Local clock offset: 9.371 ms
Remote clock offset: -11.067 ms

Below is generated by plot.py at 2018-01-09 01:02:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 44.697 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 44.697 ms
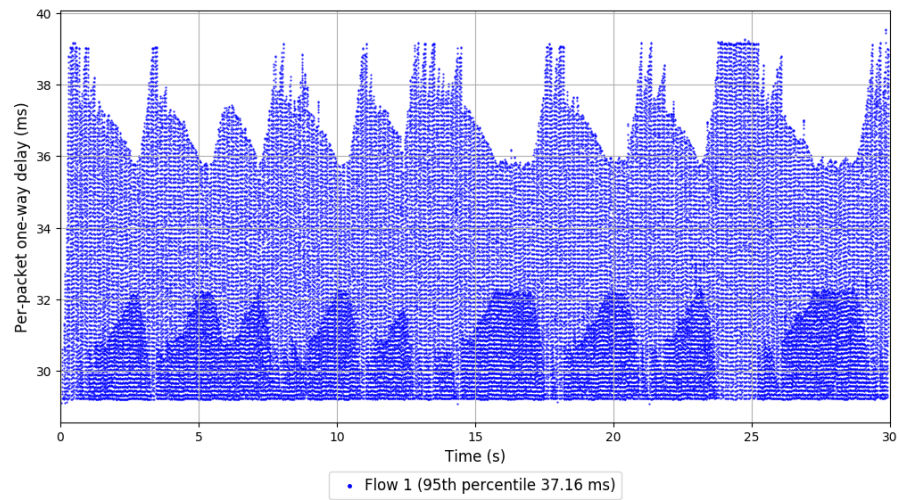Loss rate: 0.14%
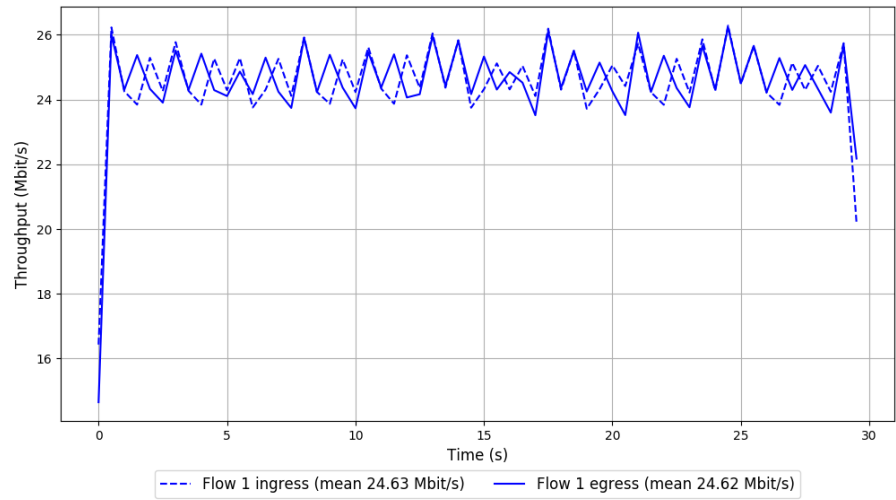
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 24.50 Mbit/s)   Flow 1 egress (mean 24.49 Mbit/s)

Flow 1 (95th percentile 44.70 ms)

```
Run 3: Statistics of Sprout

Start at: 2018-01-08 19:26:38
End at: 2018-01-08 19:27:08
Local clock offset: 8.664 ms
Remote clock offset: -12.033 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 39.849 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 39.849 ms
Loss rate: 0.14%
```

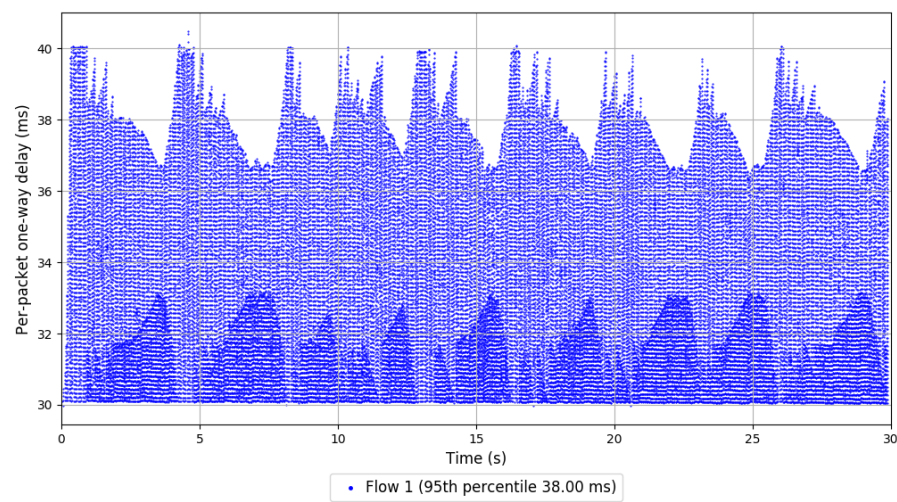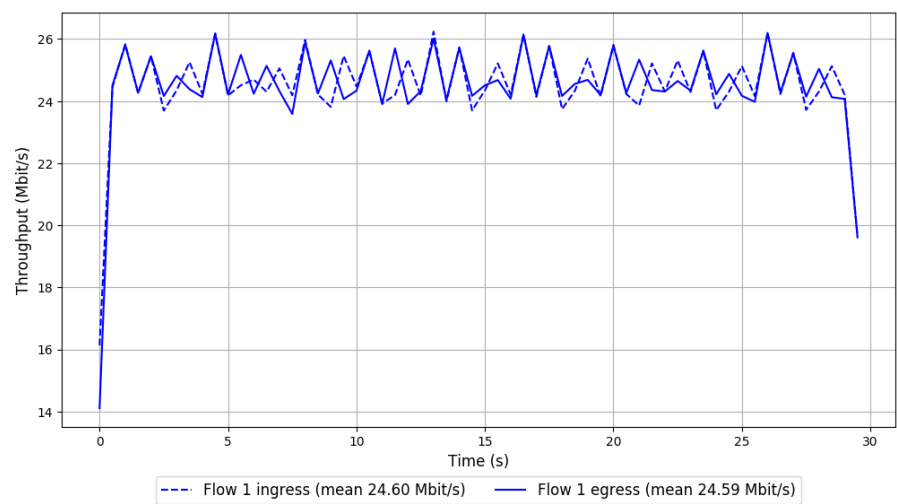# Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 24.58 Mbit/s)   Flow 1 egress (mean 24.57 Mbit/s)

Flow 1 (95th percentile 39.85 ms)

149

```
Run 4: Statistics of Sprout

Start at: 2018-01-08 19:44:27
End at: 2018-01-08 19:44:57
Local clock offset: 1.955 ms
Remote clock offset: -11.933 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 30.603 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 30.603 ms
Loss rate: 0.06%
```

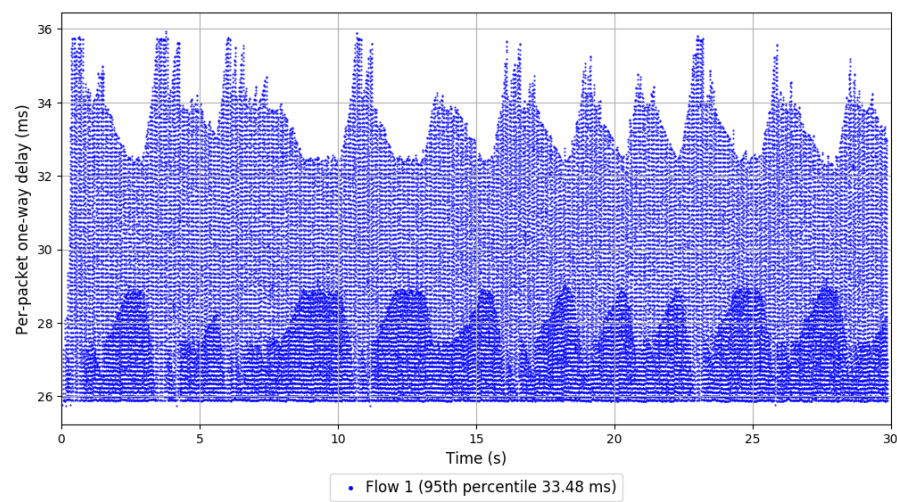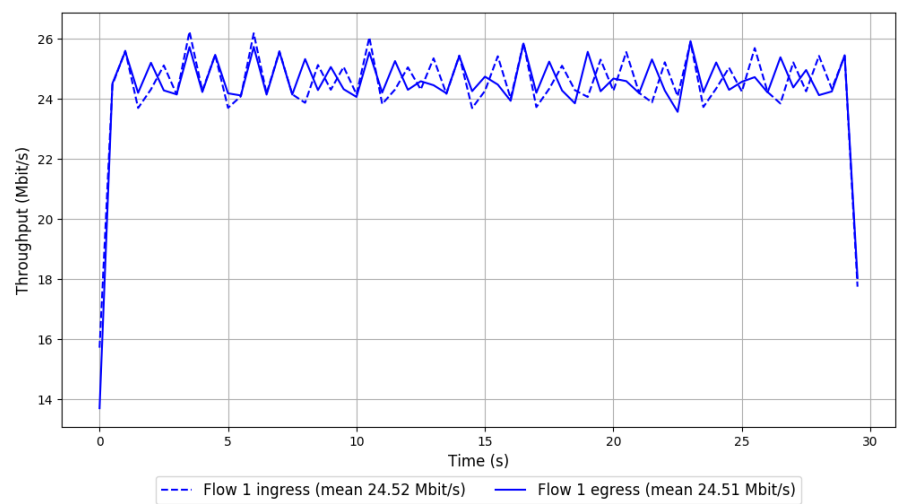Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 24.23 Mbit/s) ——— Flow 1 egress (mean 24.23 Mbit/s)

• Flow 1 (95th percentile 30.60 ms)

```
Run 5: Statistics of Sprout

Start at: 2018-01-08 20:02:23
End at: 2018-01-08 20:02:53
Local clock offset: 5.551 ms
Remote clock offset: -12.895 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 37.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 37.162 ms
Loss rate: 0.00%
```

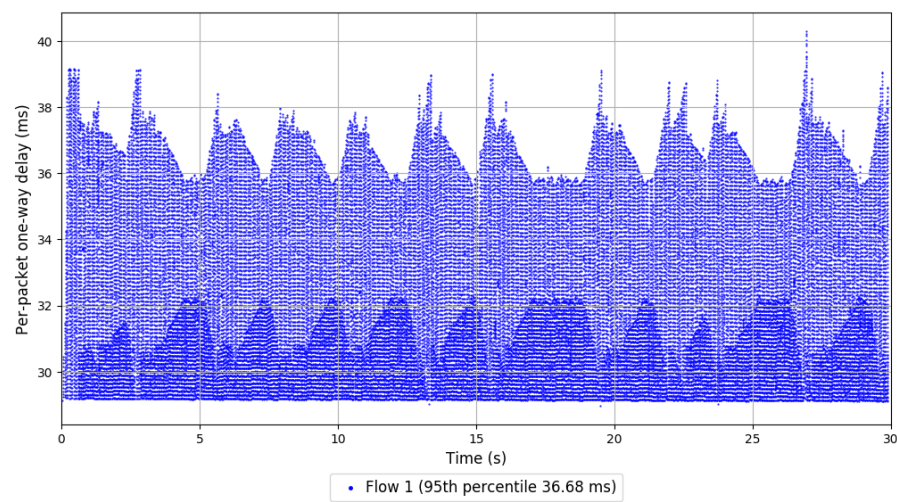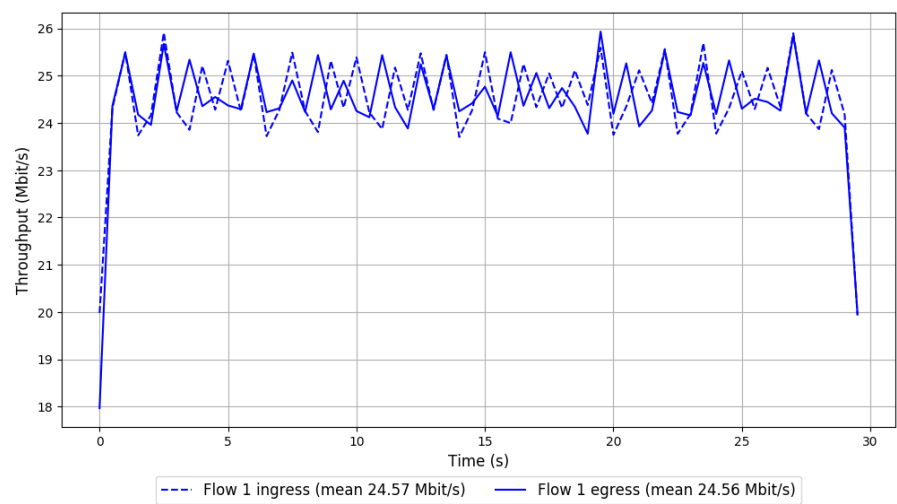## Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 24.63 Mbit/s) — — —   Flow 1 egress (mean 24.62 Mbit/s)

• Flow 1 (95th percentile 37.16 ms)

```
Run 6: Statistics of Sprout

Start at: 2018-01-08 20:20:36
End at: 2018-01-08 20:21:06
Local clock offset: 4.88 ms
Remote clock offset: -15.285 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 38.004 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 38.004 ms
Loss rate: 0.14%
```

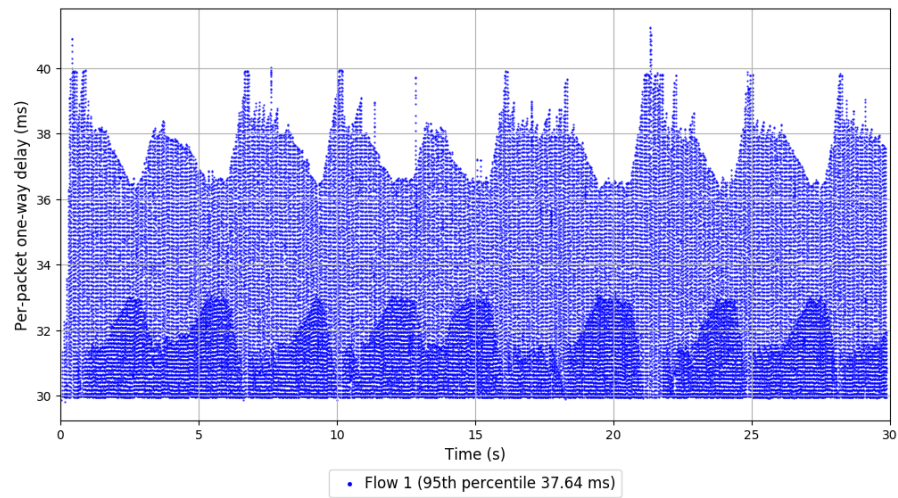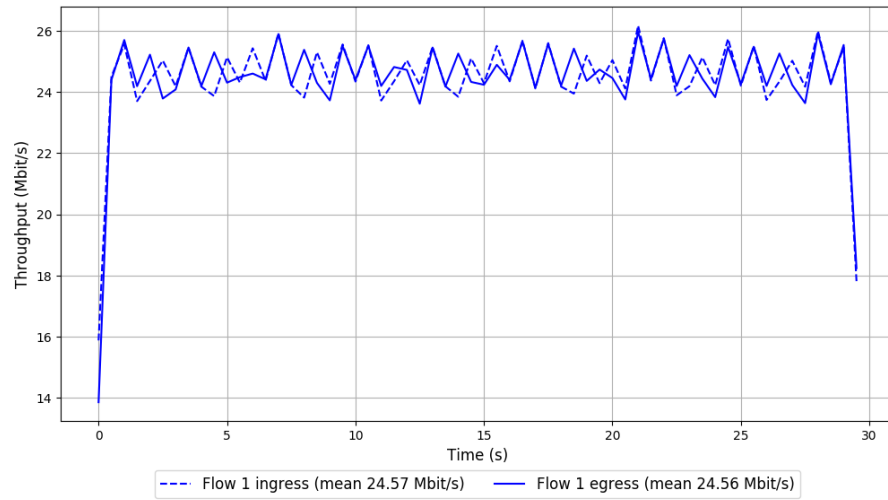Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 24.60 Mbit/s) ----- Flow 1 egress (mean 24.59 Mbit/s) ———

Flow 1 (95th percentile 38.00 ms) •

```
Run 7: Statistics of Sprout

Start at: 2018-01-08 20:38:43
End at: 2018-01-08 20:39:14
Local clock offset: 3.925 ms
Remote clock offset: -14.071 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 33.476 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 33.476 ms
Loss rate: 0.12%
```

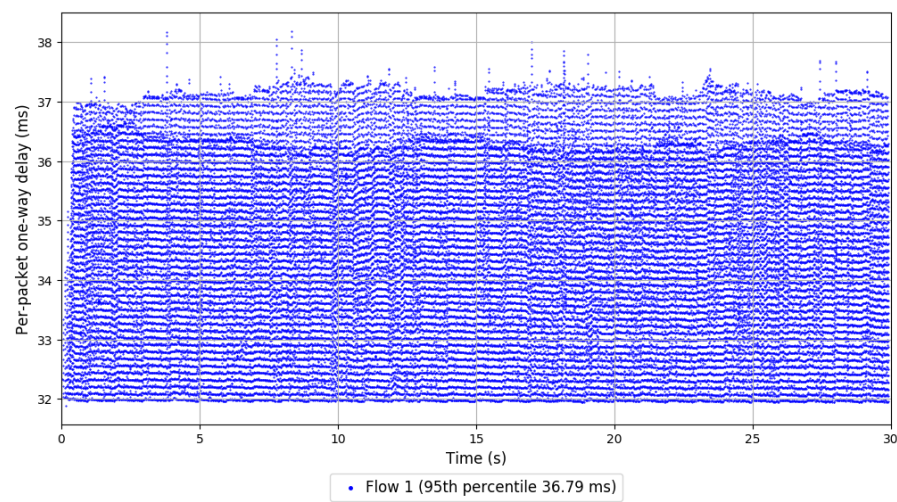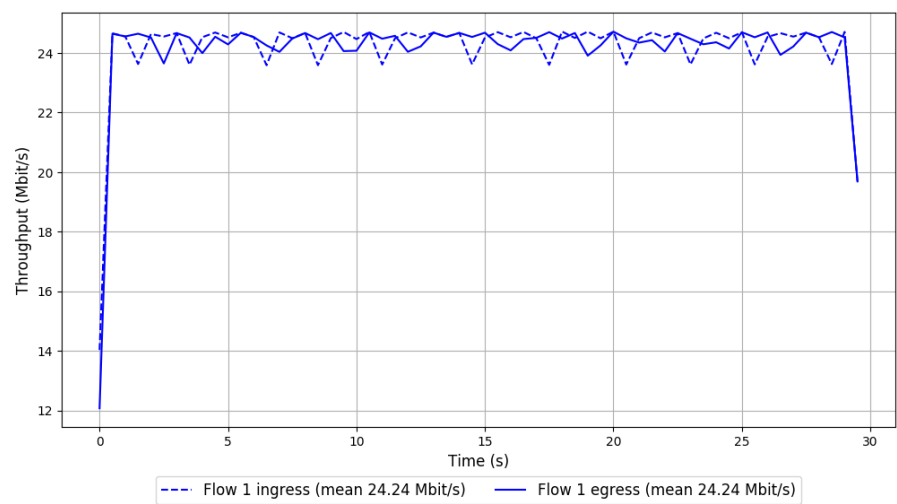## Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 24.52 Mbit/s) --- Flow 1 egress (mean 24.51 Mbit/s)

• Flow 1 (95th percentile 33.48 ms)

```
Run 8: Statistics of Sprout

Start at: 2018-01-08 20:56:27
End at: 2018-01-08 20:56:57
Local clock offset: 7.013 ms
Remote clock offset: -15.765 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 36.684 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 36.684 ms
Loss rate: 0.12%
```

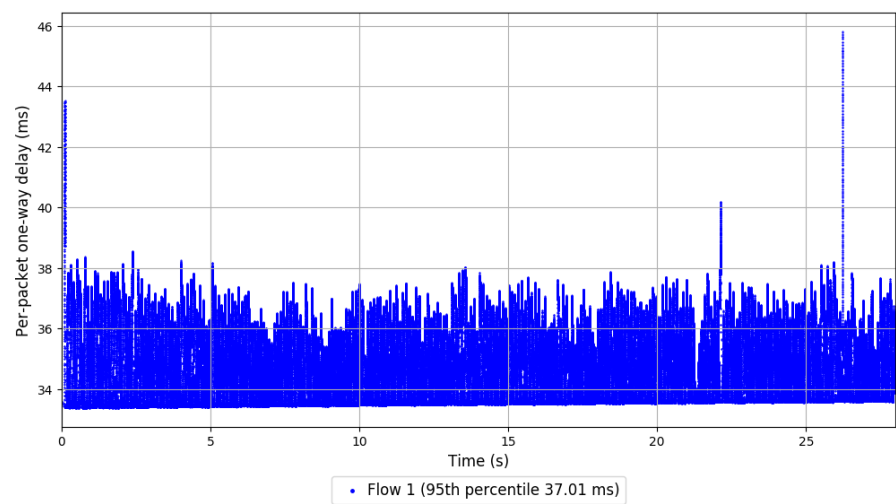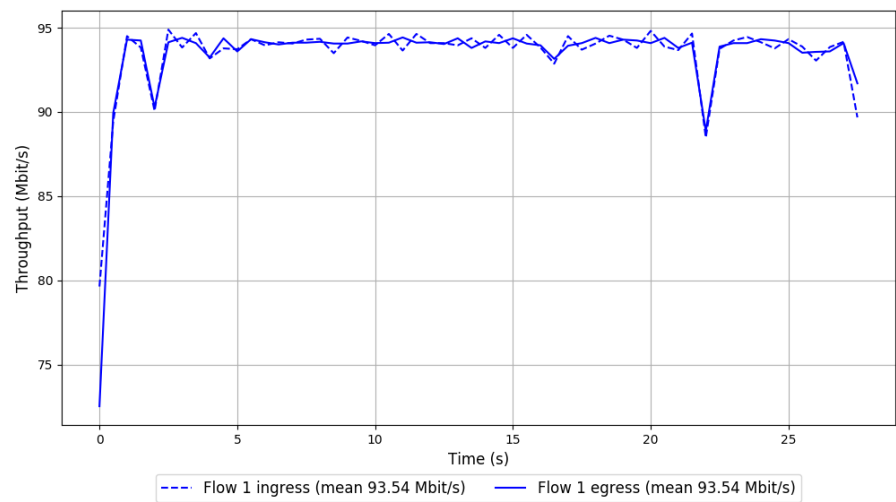Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-01-08 21:13:51
End at: 2018-01-08 21:14:21
Local clock offset: 7.143 ms
Remote clock offset: -17.168 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 37.642 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 37.642 ms
Loss rate: 0.11%
```

Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 24.57 Mbit/s) —— Flow 1 egress (mean 24.56 Mbit/s)

• Flow 1 (95th percentile 37.64 ms)

```
Run 10: Statistics of Sprout

Start at: 2018-01-08 21:31:38
End at: 2018-01-08 21:32:08
Local clock offset: 8.9 ms
Remote clock offset: -17.532 ms


# Below is generated by plot.py at 2018-01-09 01:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 36.794 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 36.794 ms
Loss rate: 0.07%
```

Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 24.24 Mbit/s) ----   Flow 1 egress (mean 24.24 Mbit/s) ——
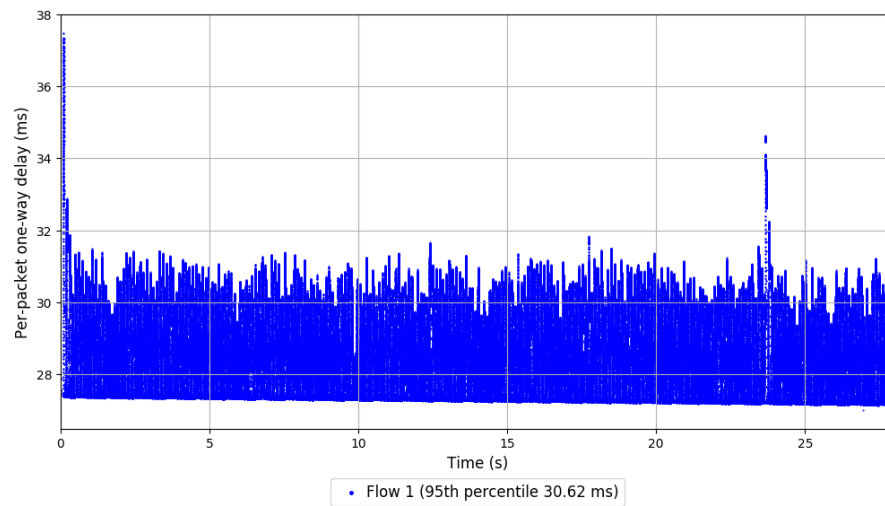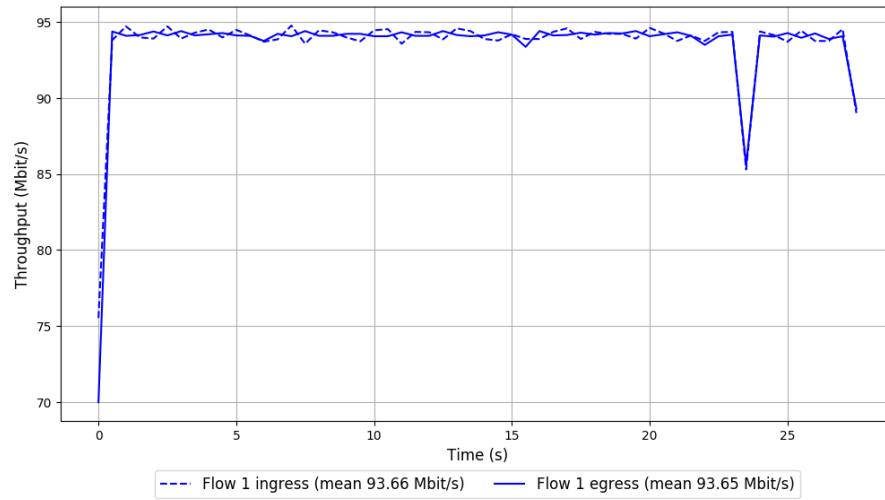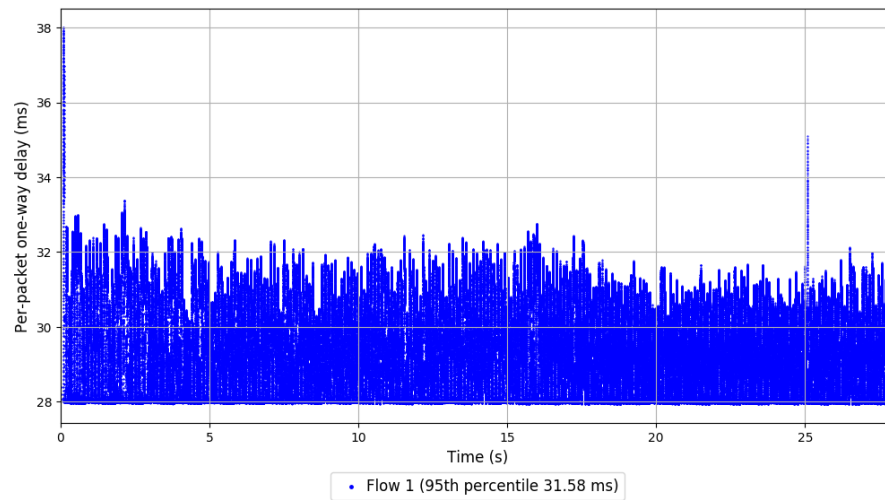

• Flow 1 (95th percentile 36.79 ms)

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

Start at: 2018-01-08 18:50:25
End at: 2018-01-08 18:50:55
Local clock offset: 11.34 ms
Remote clock offset: -8.353 ms


# Below is generated by plot.py at 2018-01-09 01:06:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 37.011 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 37.011 ms
Loss rate: 0.09%
```
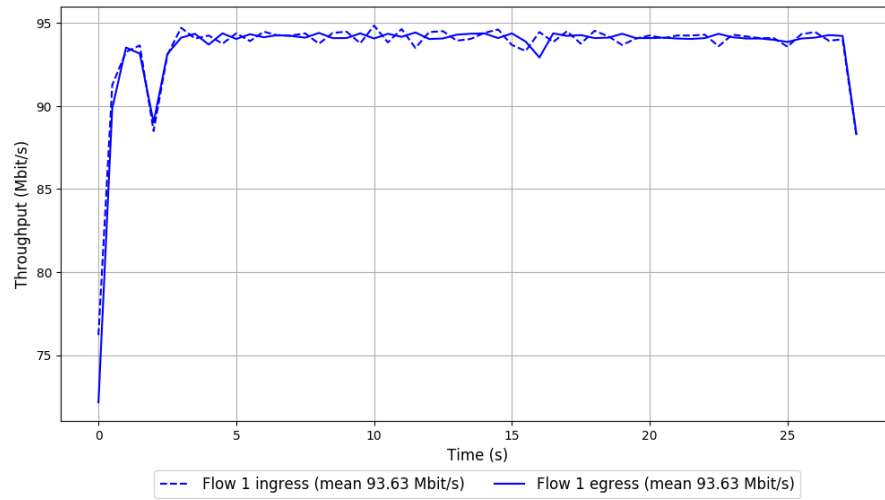
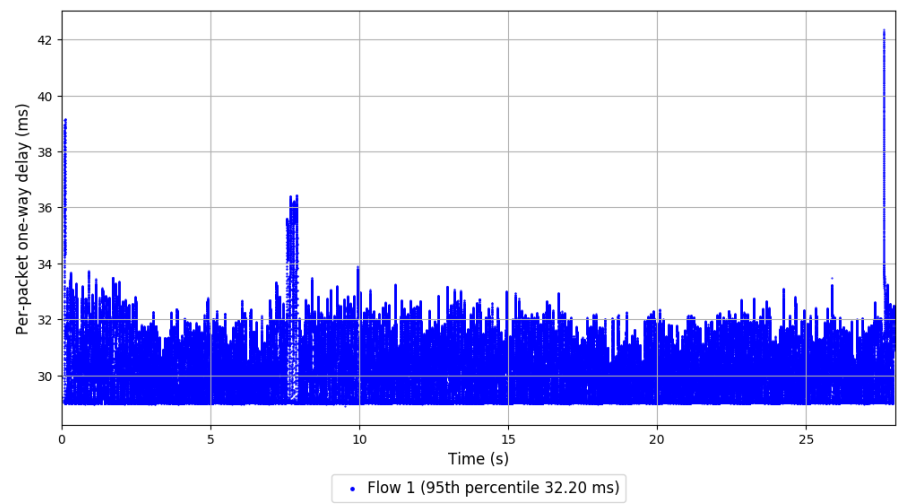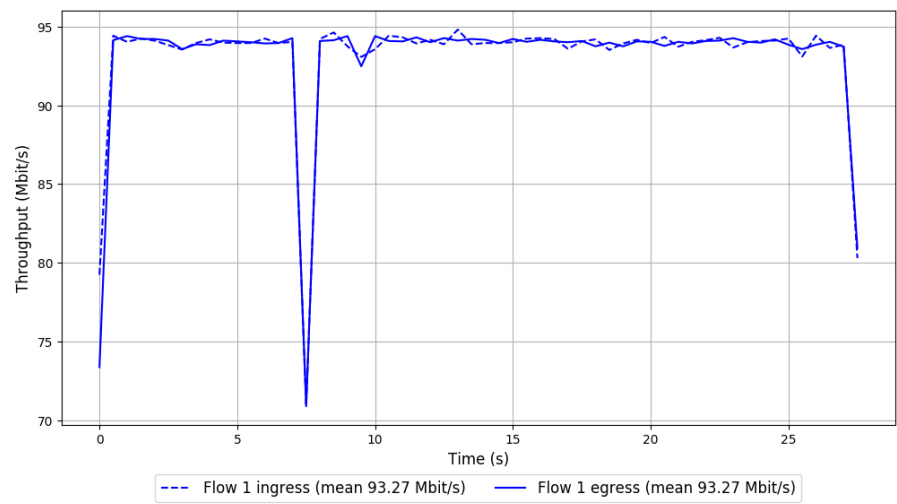# Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2018-01-08 19:07:47
End at: 2018-01-08 19:08:17
Local clock offset: 3.334 ms
Remote clock offset: -8.379 ms
```

Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 66.74 Mbit/s) ----- Flow 1 egress (mean 91.48 Mbit/s) ———

Flow 1 (95th percentile 31.22 ms)

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

Start at: 2018-01-08 19:25:23
End at: 2018-01-08 19:25:53
Local clock offset: 3.915 ms
Remote clock offset: -11.271 ms


# Below is generated by plot.py at 2018-01-09 01:06:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 30.624 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 30.624 ms
Loss rate: 0.10%
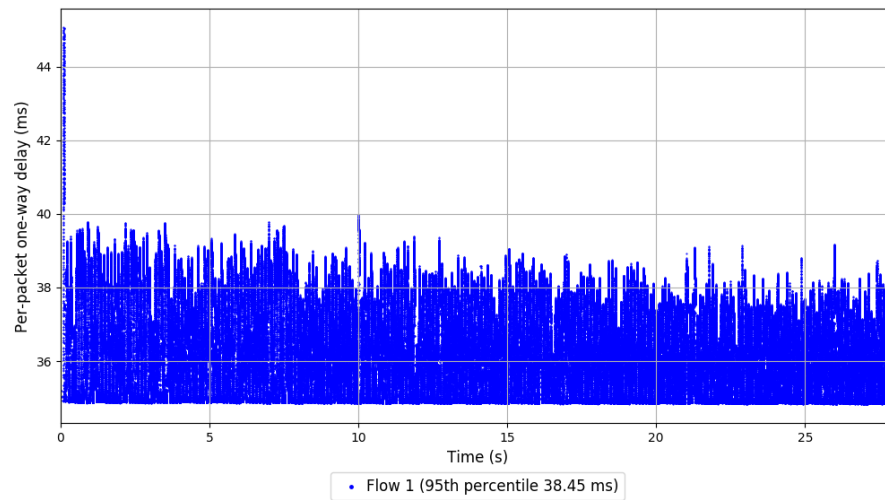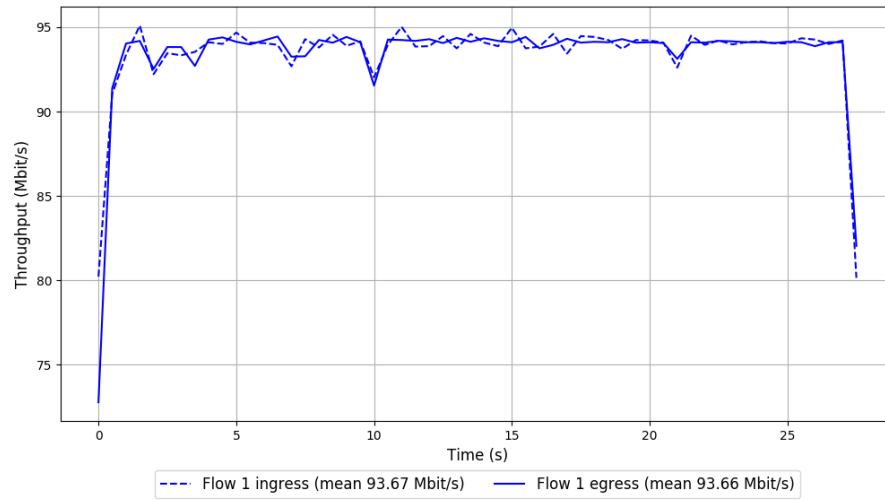```

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



Flow 1 ingress (mean 93.66 Mbit/s) --- Flow 1 egress (mean 93.65 Mbit/s)



Flow 1 (95th percentile 30.62 ms)

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

Start at: 2018-01-08 19:43:08
End at: 2018-01-08 19:43:38
Local clock offset: 4.837 ms
Remote clock offset: -11.091 ms

Below is generated by plot.py at 2018-01-09 01:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 31.578 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 31.578 ms
Loss rate: 0.10%
```
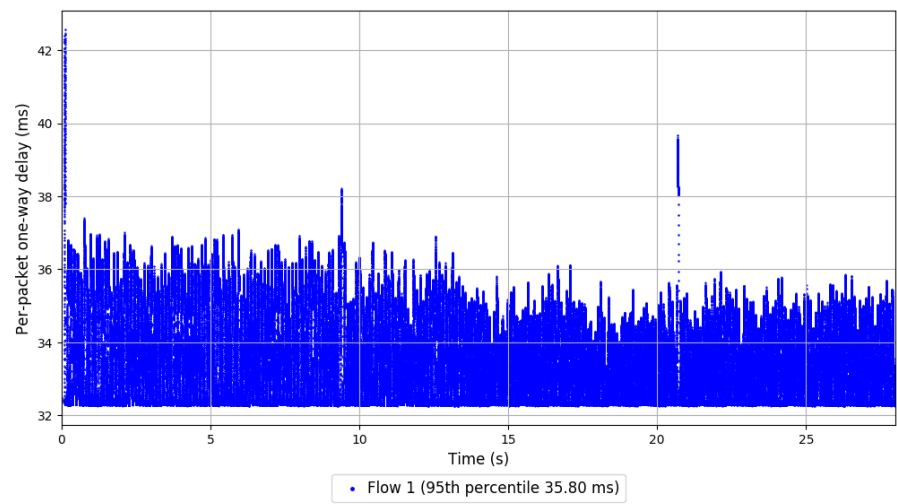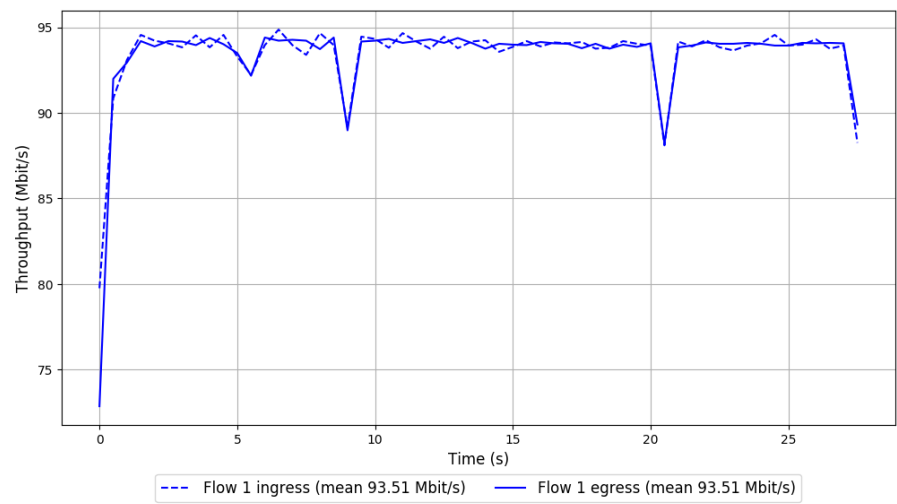
# Run 4: Report of TaoVA-100x — Data Link



Flow 1 ingress (mean 93.63 Mbit/s) --- Flow 1 egress (mean 93.63 Mbit/s)



• Flow 1 (95th percentile 31.58 ms)

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

Start at: 2018-01-08 20:01:05
End at: 2018-01-08 20:01:35
Local clock offset: 4.814 ms
Remote clock offset: -13.473 ms

Below is generated by plot.py at 2018-01-09 01:06:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 32.201 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 32.201 ms
Loss rate: 0.10%
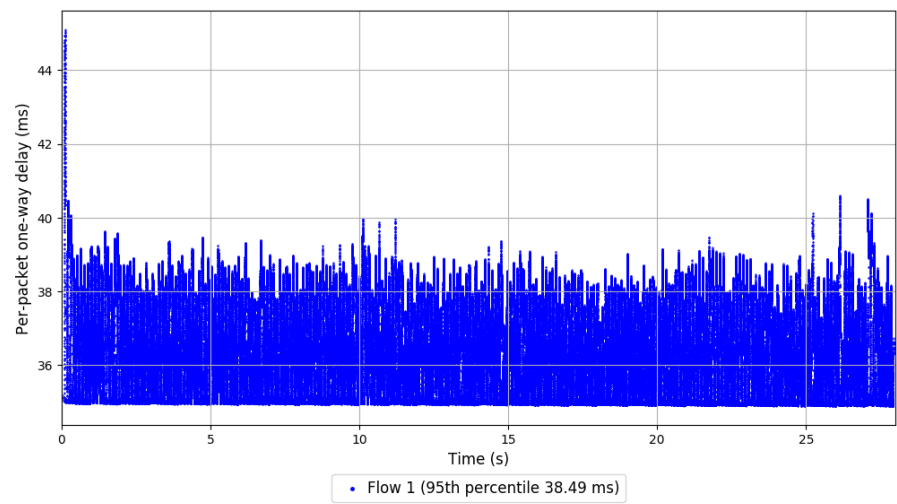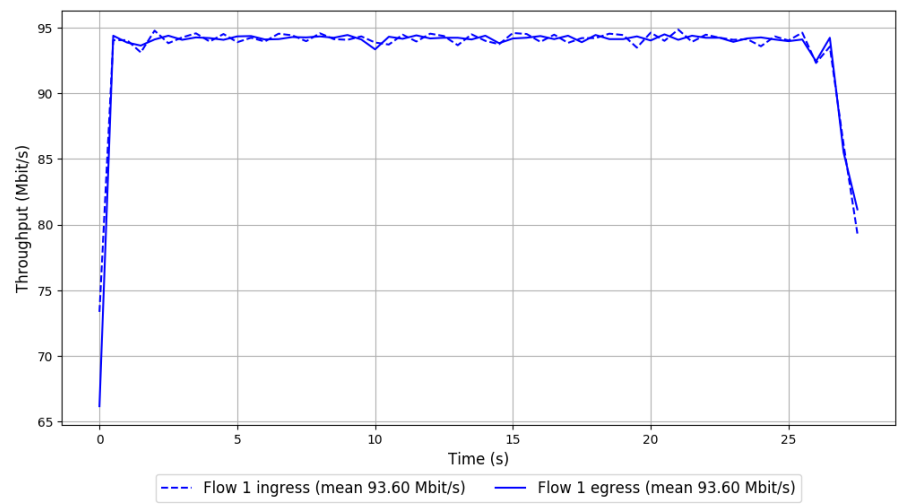```

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

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

Start at: 2018-01-08 20:19:15
End at: 2018-01-08 20:19:46
Local clock offset: 10.416 ms
Remote clock offset: -14.446 ms

# Below is generated by plot.py at 2018-01-09 01:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 38.455 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 38.455 ms
Loss rate: 0.10%
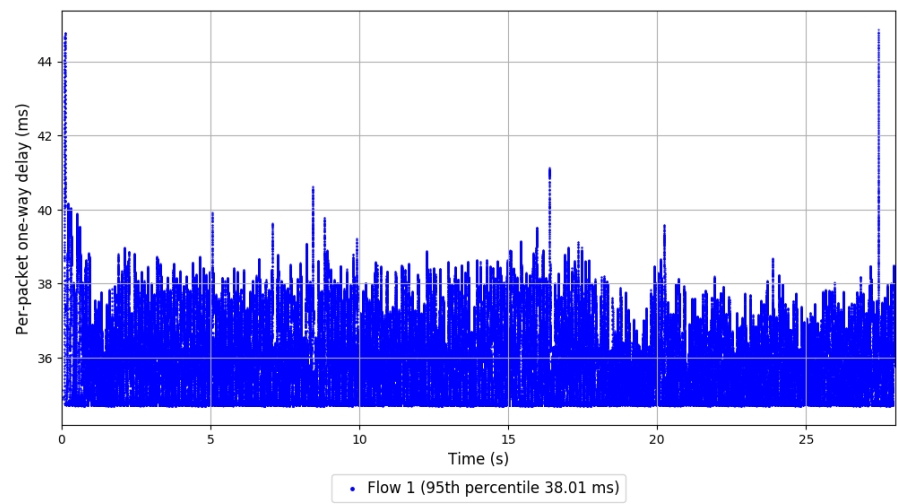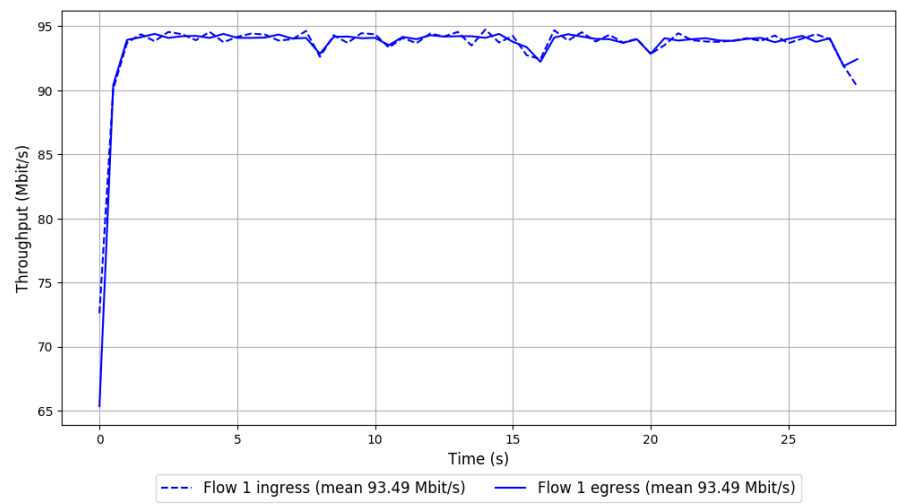```

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

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

Start at: 2018-01-08 20:37:29
End at: 2018-01-08 20:37:59
Local clock offset: 10.372 ms
Remote clock offset: -14.013 ms

Below is generated by plot.py at 2018-01-09 01:06:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 35.805 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 35.805 ms
Loss rate: 0.10%
```
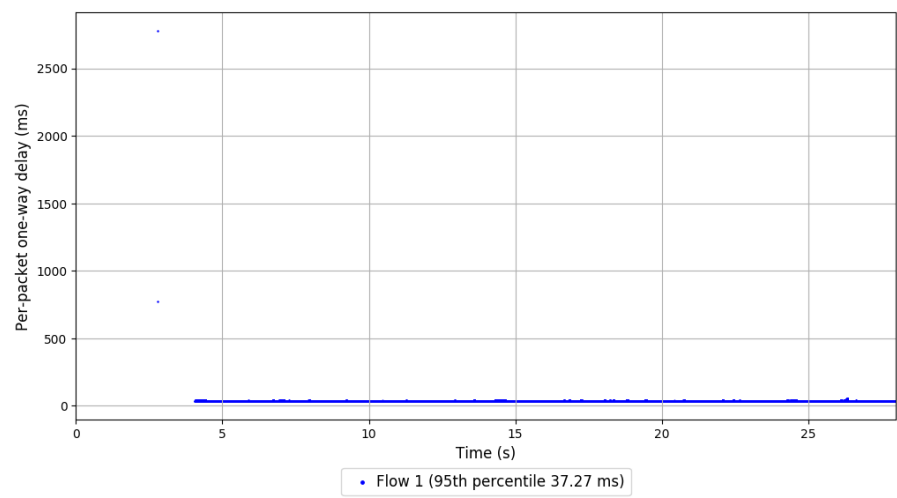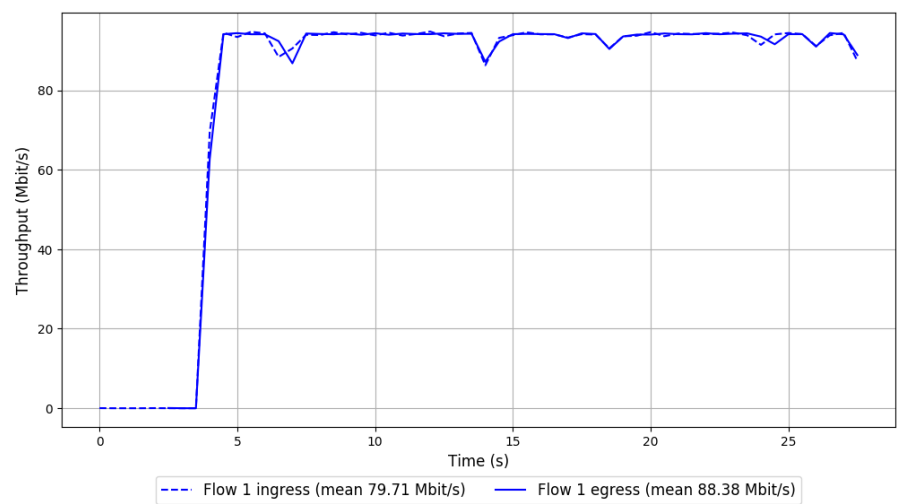
# Run 7: Report of TaoVA-100x — Data Link

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

Start at: 2018-01-08 20:55:10
End at: 2018-01-08 20:55:40
Local clock offset: 12.54 ms
Remote clock offset: -15.863 ms

Below is generated by plot.py at 2018-01-09 01:06:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 38.491 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 38.491 ms
Loss rate: 0.10%
```
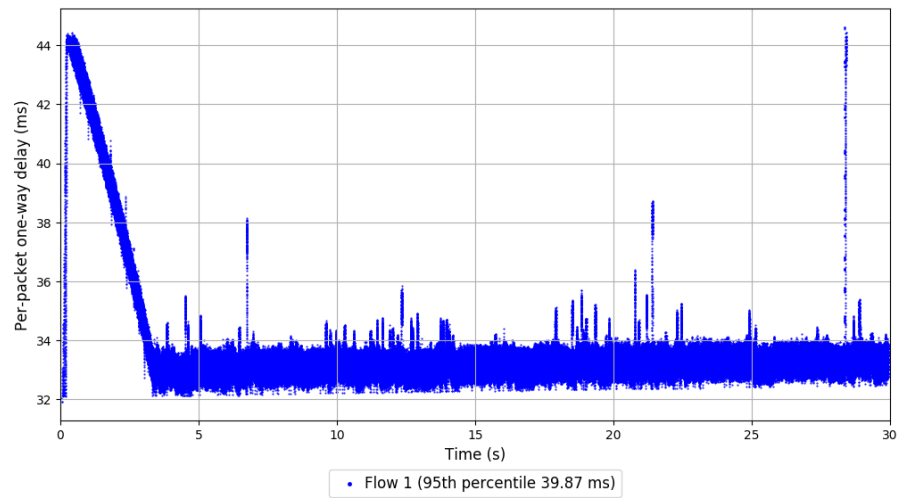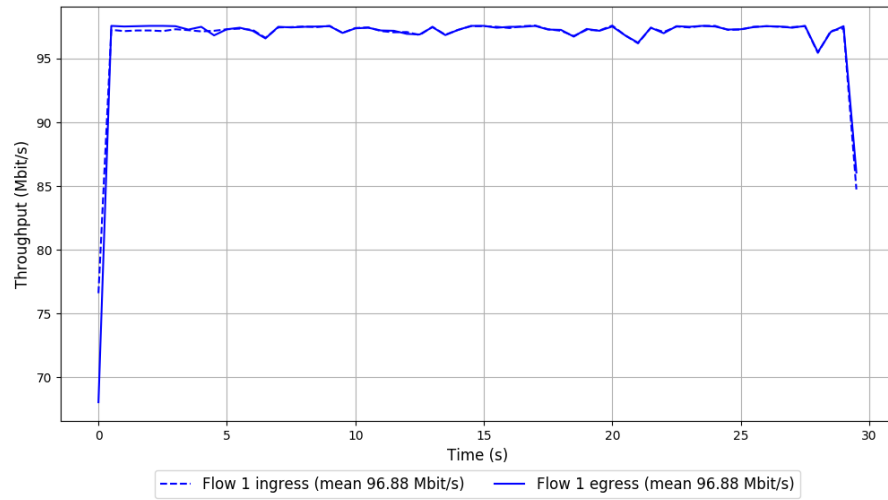
Run 8: Report of TaoVA-100x — Data Link



Flow 1 ingress (mean 93.60 Mbit/s)    Flow 1 egress (mean 93.60 Mbit/s)



Flow 1 (95th percentile 38.49 ms)

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

Start at: 2018-01-08 21:12:38
End at: 2018-01-08 21:13:08
Local clock offset: 12.35 ms
Remote clock offset: -16.726 ms

Below is generated by plot.py at 2018-01-09 01:08:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 38.008 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 38.008 ms
Loss rate: 0.09%
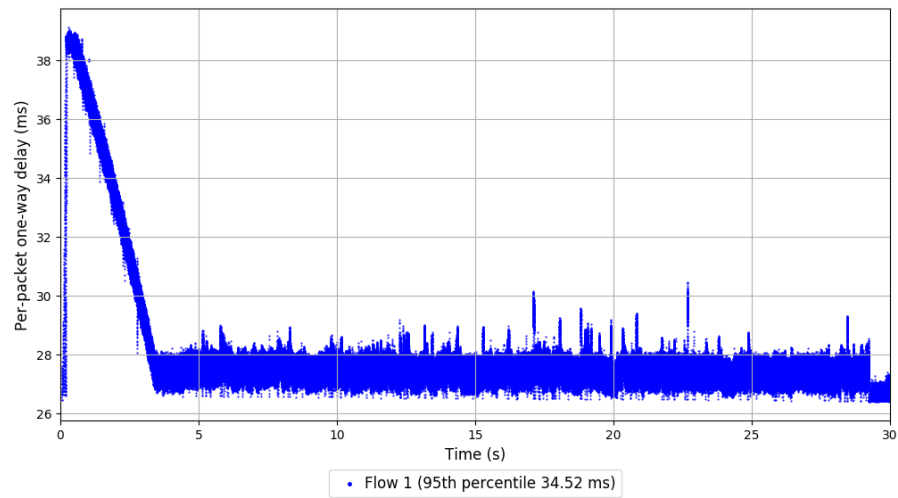```
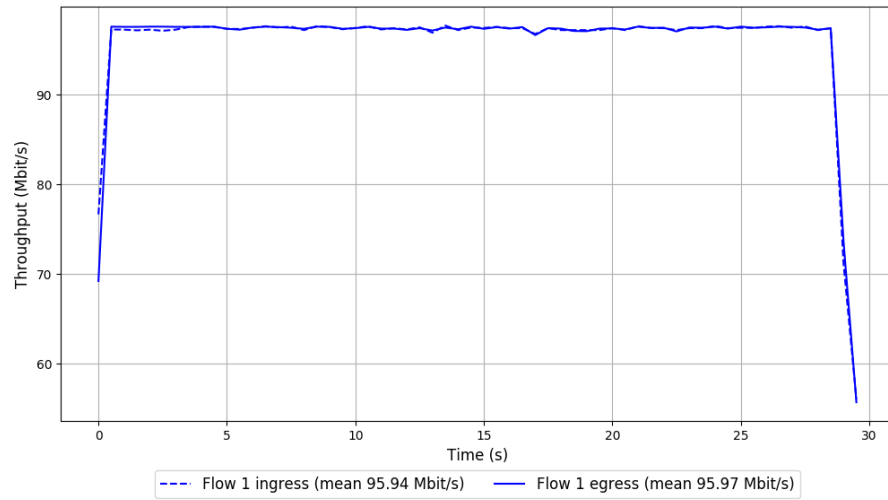
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 93.49 Mbit/s) --- Flow 1 egress (mean 93.49 Mbit/s)

• Flow 1 (95th percentile 38.01 ms)

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

Start at: 2018-01-08 21:30:20
End at: 2018-01-08 21:30:50
Local clock offset: 11.601 ms
Remote clock offset: -16.506 ms


# Below is generated by plot.py at 2018-01-09 01:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 37.265 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 37.265 ms
Loss rate: 0.12%
```

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

Flow 1 ingress (mean 79.71 Mbit/s)   —— Flow 1 egress (mean 88.38 Mbit/s)
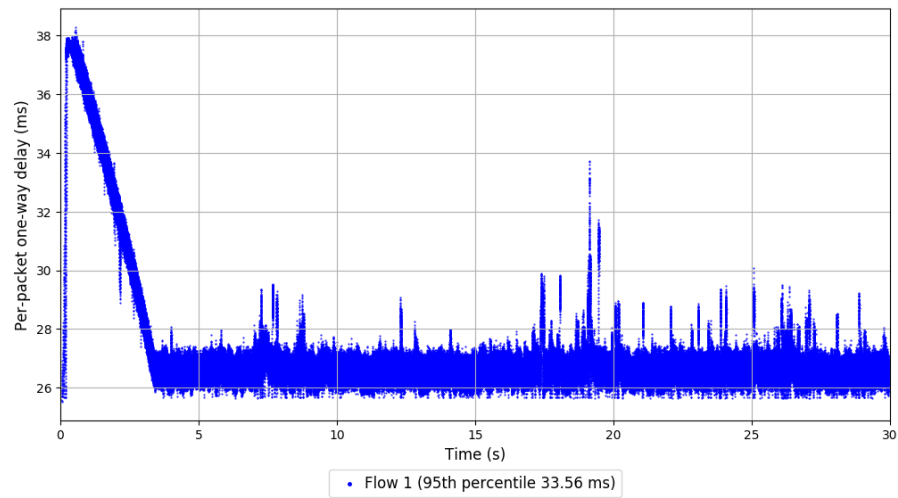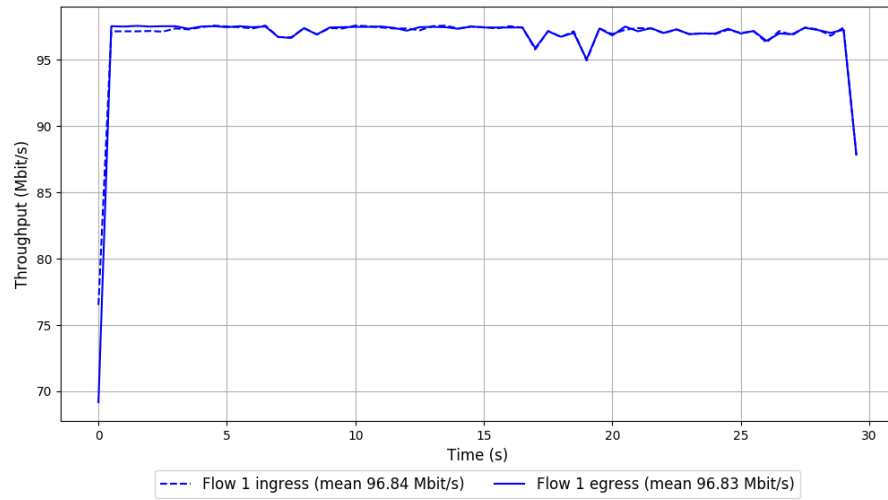

• Flow 1 (95th percentile 37.27 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-01-08 19:01:56
End at: 2018-01-08 19:02:26
Local clock offset: 8.161 ms
Remote clock offset: -9.154 ms


# Below is generated by plot.py at 2018-01-09 01:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 39.866 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 39.866 ms
Loss rate: 0.09%
```
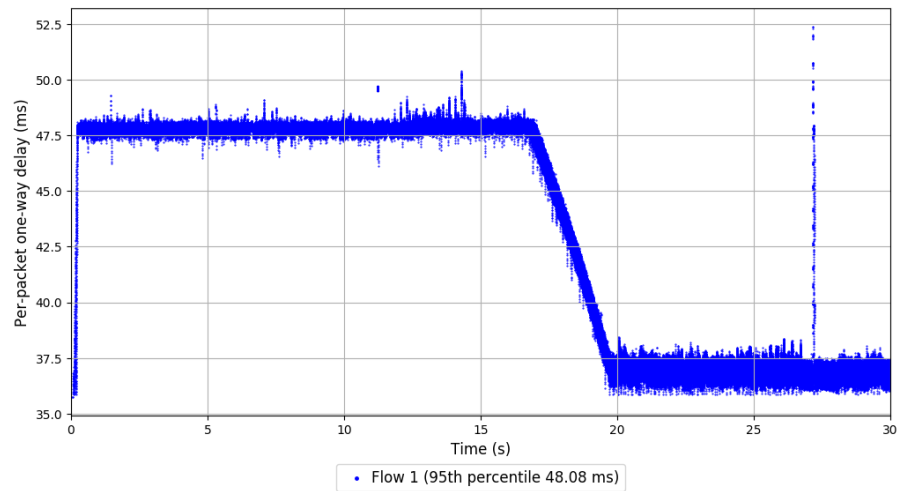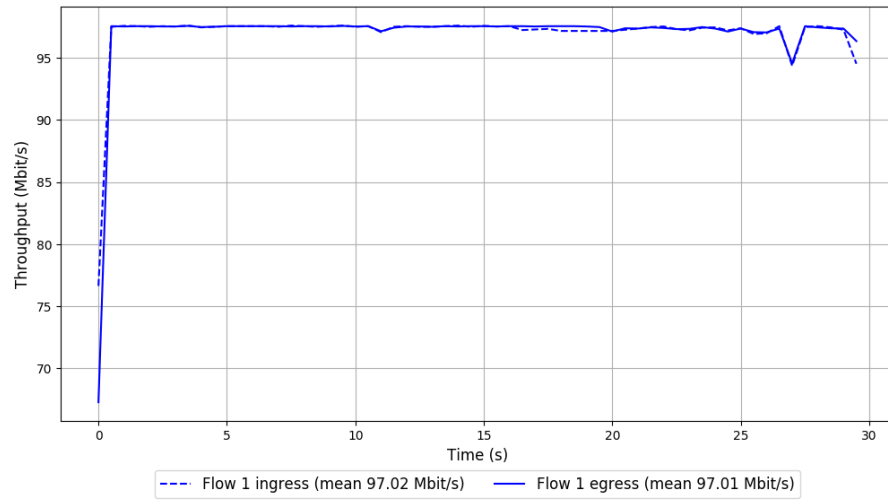
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-01-08 19:19:29
End at: 2018-01-08 19:19:59
Local clock offset: 1.758 ms
Remote clock offset: -10.132 ms


# Below is generated by plot.py at 2018-01-09 01:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 34.518 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 34.518 ms
Loss rate: 0.06%
```
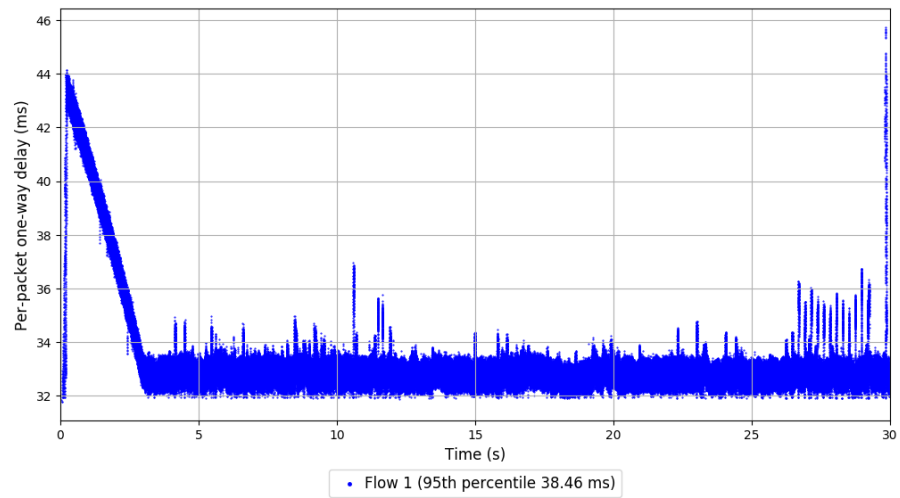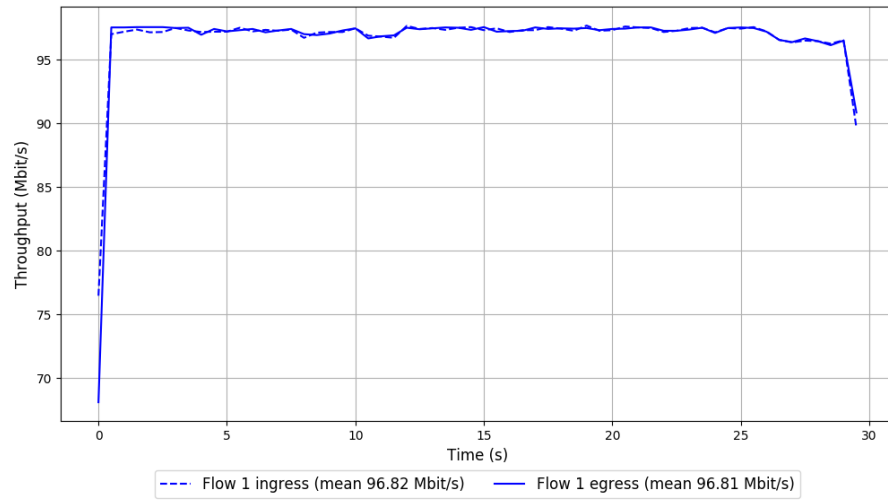
Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 95.94 Mbit/s)   Flow 1 egress (mean 95.97 Mbit/s)

Flow 1 (95th percentile 34.52 ms)

```
Run 3: Statistics of TCP Vegas

Start at: 2018-01-08 19:37:05
End at: 2018-01-08 19:37:35
Local clock offset: 2.606 ms
Remote clock offset: -11.704 ms


# Below is generated by plot.py at 2018-01-09 01:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 33.565 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 33.565 ms
Loss rate: 0.09%
```
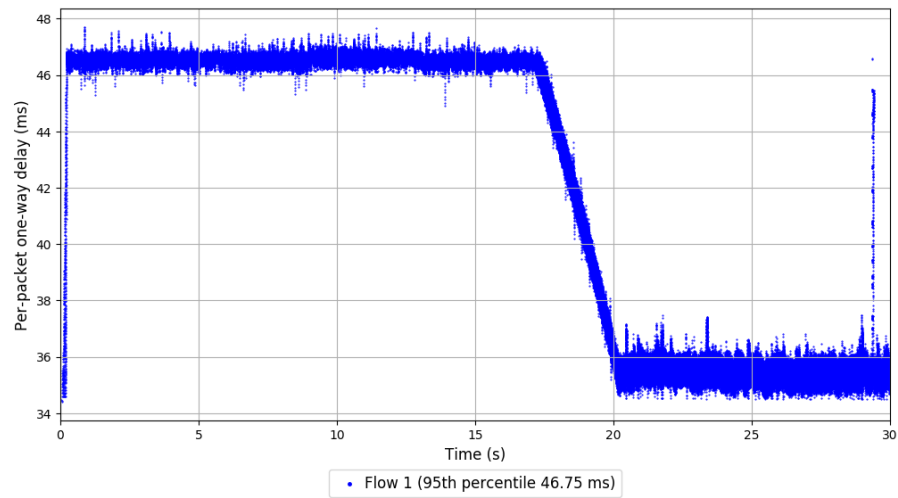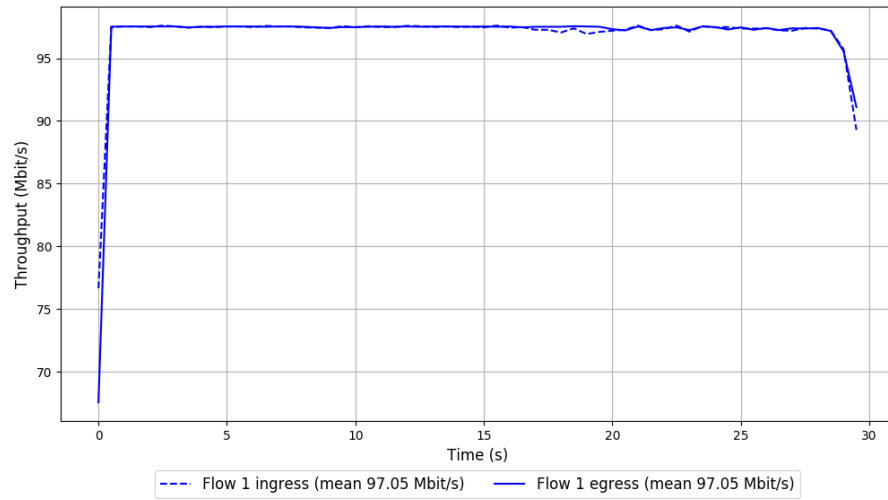
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.84 Mbit/s)　　Flow 1 egress (mean 96.83 Mbit/s)

Flow 1 (95th percentile 33.56 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-01-08 19:55:09
End at: 2018-01-08 19:55:39
Local clock offset: 11.312 ms
Remote clock offset: -14.056 ms


# Below is generated by plot.py at 2018-01-09 01:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 48.076 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 48.076 ms
Loss rate: 0.09%
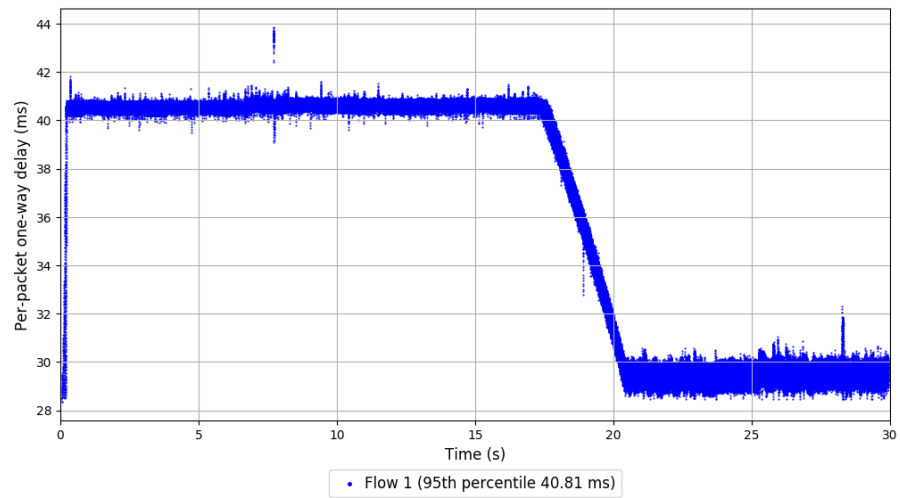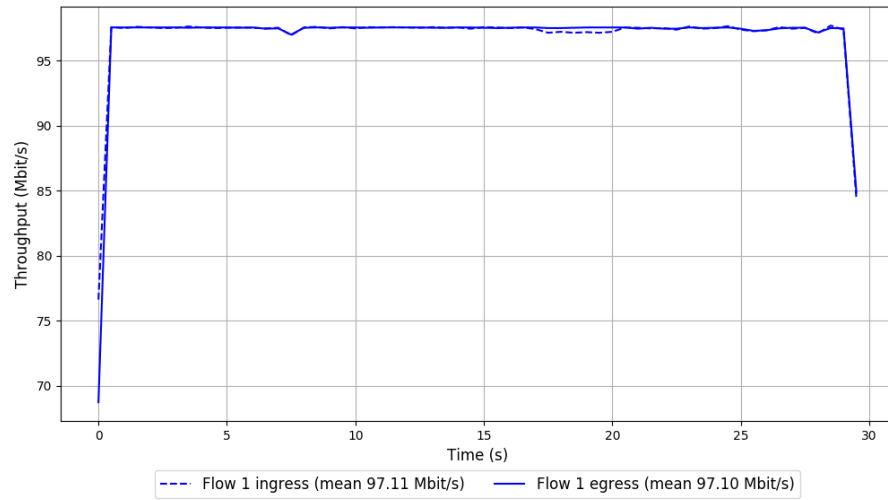```

Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2018-01-08 20:13:12
End at: 2018-01-08 20:13:42
Local clock offset: 7.07 ms
Remote clock offset: -14.467 ms

Below is generated by plot.py at 2018-01-09 01:09:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 38.461 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 38.461 ms
Loss rate: 0.09%
```
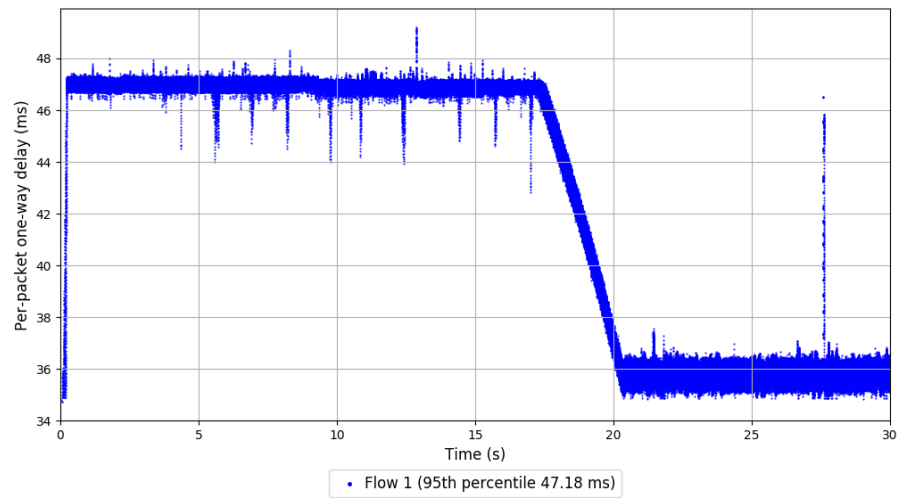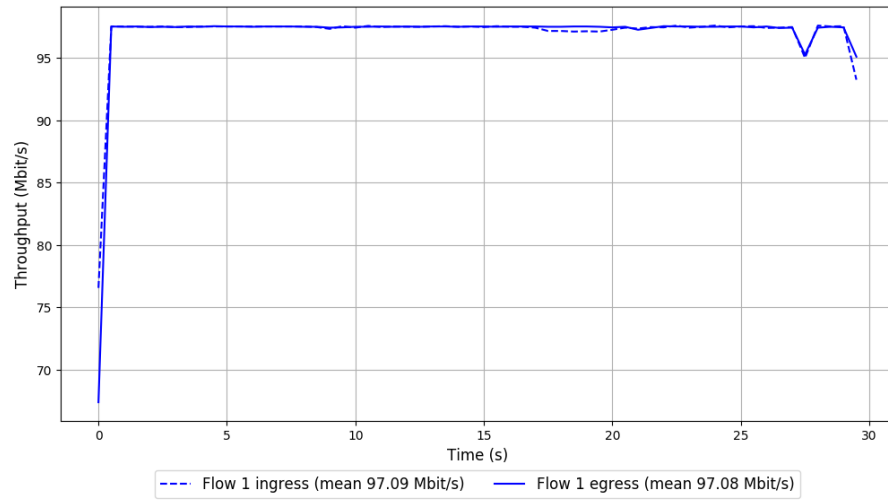
Run 5: Report of TCP Vegas — Data Link



Flow 1 ingress (mean 96.82 Mbit/s) —— Flow 1 egress (mean 96.81 Mbit/s)



• Flow 1 (95th percentile 38.46 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-01-08 20:31:23
End at: 2018-01-08 20:31:53
Local clock offset: 10.726 ms
Remote clock offset: -15.462 ms

Below is generated by plot.py at 2018-01-09 01:09:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 46.753 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 46.753 ms
Loss rate: 0.09%
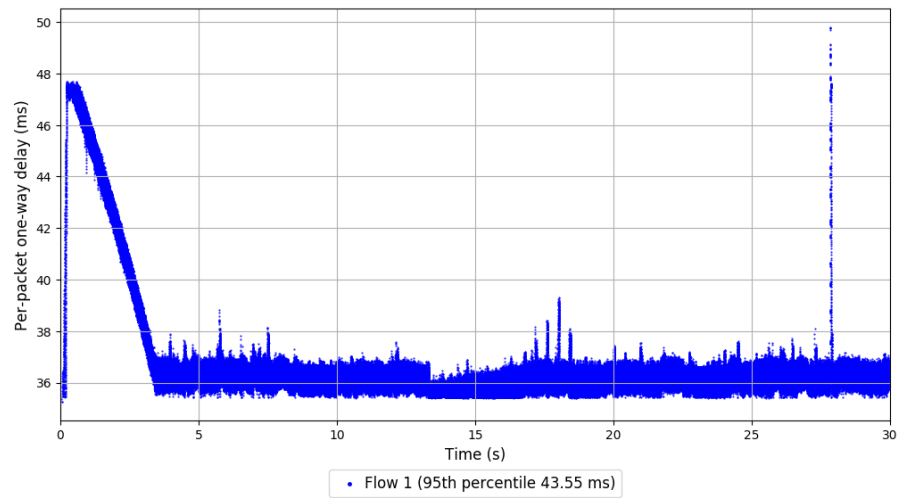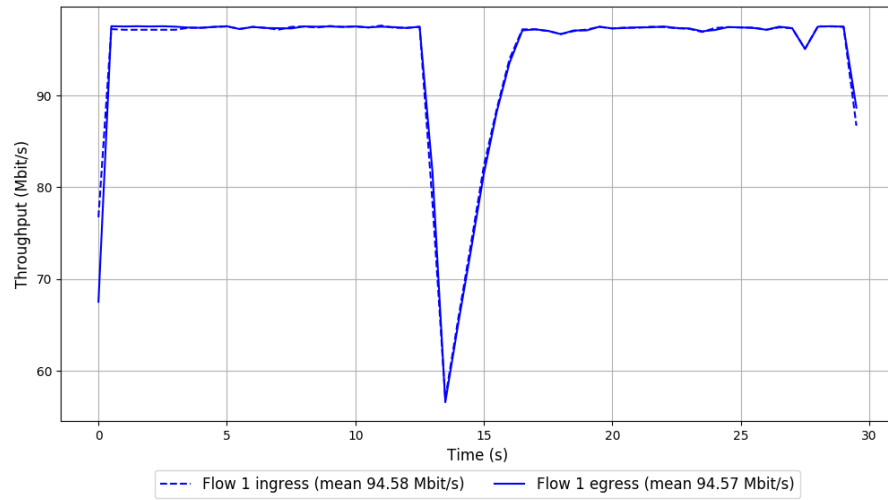```

Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2018-01-08 20:49:13
End at: 2018-01-08 20:49:43
Local clock offset: 5.52 ms
Remote clock offset: -15.745 ms


# Below is generated by plot.py at 2018-01-09 01:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 40.807 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 40.807 ms
Loss rate: 0.09%
```
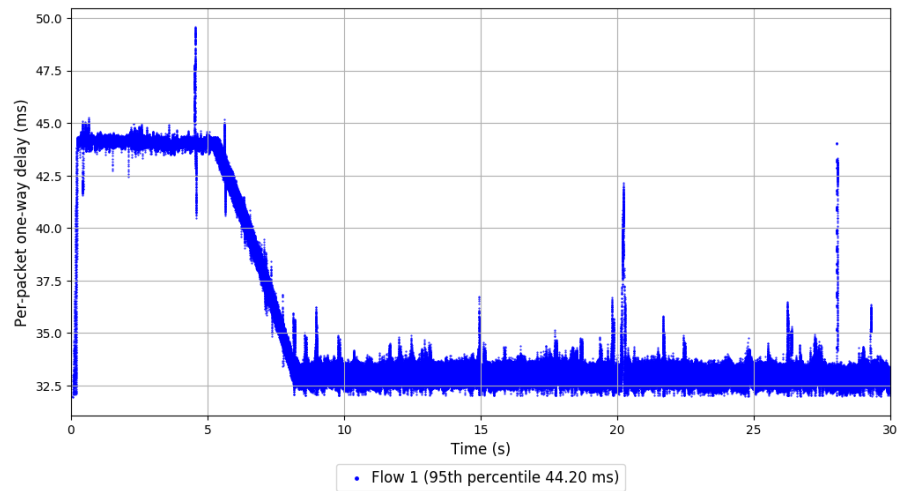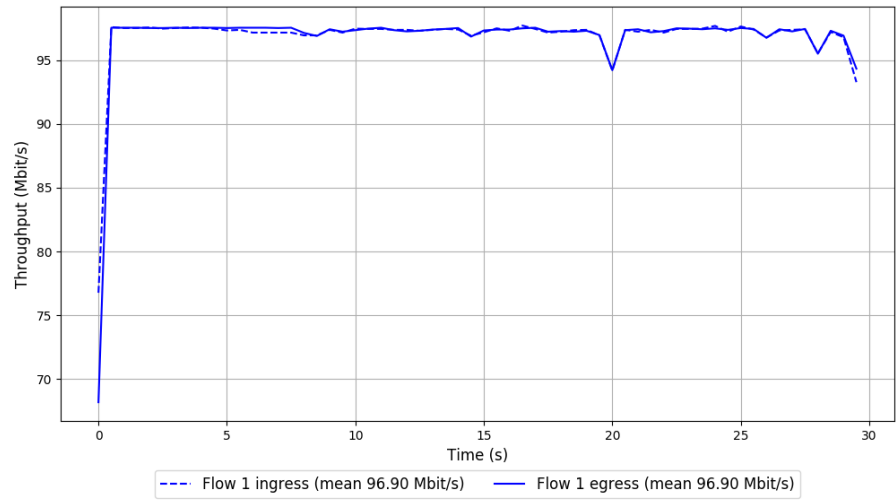
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.11 Mbit/s)   —— Flow 1 egress (mean 97.10 Mbit/s)

• Flow 1 (95th percentile 40.81 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-01-08 21:06:47
End at: 2018-01-08 21:07:17
Local clock offset: 12.714 ms
Remote clock offset: -16.616 ms


# Below is generated by plot.py at 2018-01-09 01:11:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 47.183 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 47.183 ms
Loss rate: 0.09%
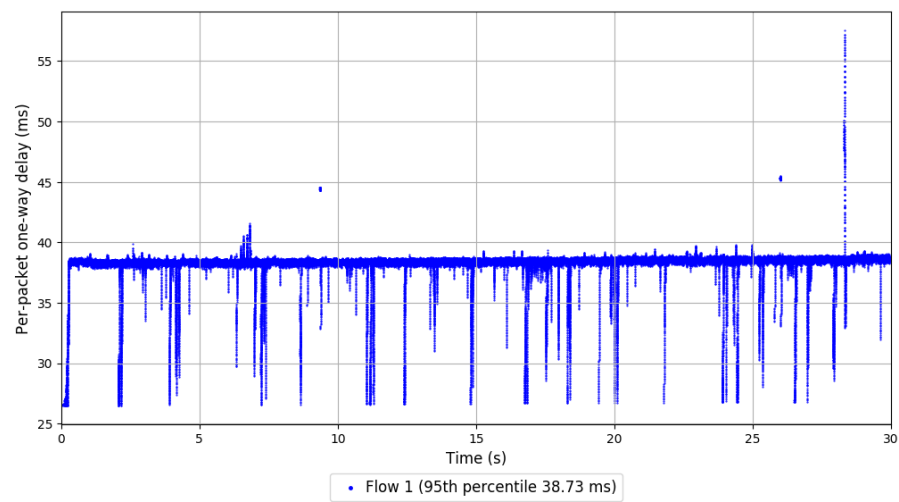```
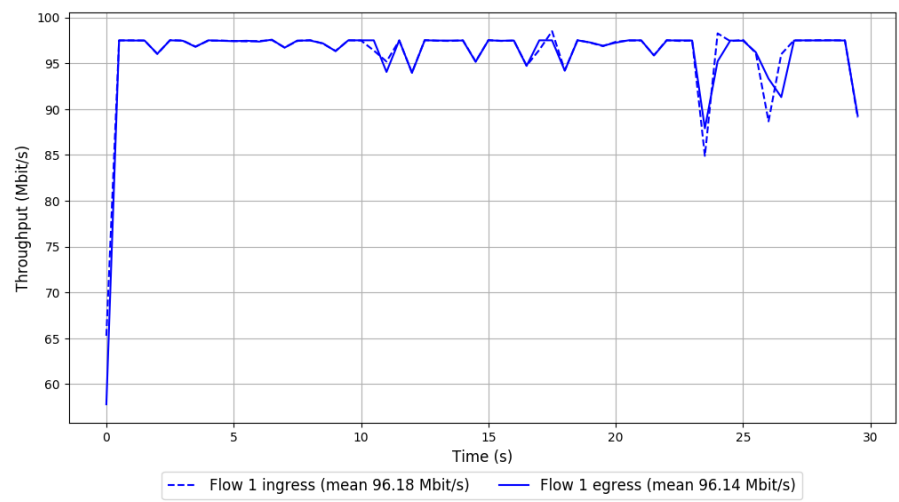
## Run 8: Report of TCP Vegas — Data Link



Flow 1 ingress (mean 97.09 Mbit/s) — — — Flow 1 egress (mean 97.08 Mbit/s)



• Flow 1 (95th percentile 47.18 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-01-08 21:24:27
End at: 2018-01-08 21:24:57
Local clock offset: 11.662 ms
Remote clock offset: -18.082 ms

Below is generated by plot.py at 2018-01-09 01:11:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 43.546 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 43.546 ms
Loss rate: 0.09%
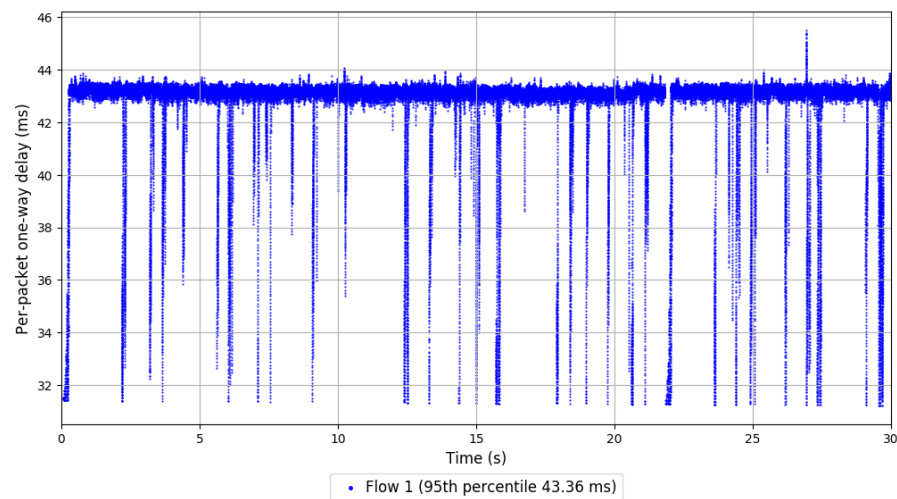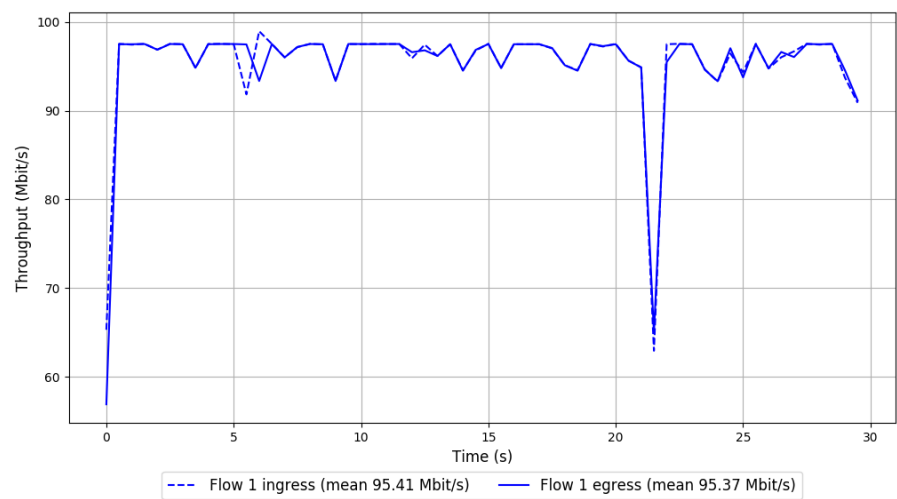```

Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2018-01-08 21:42:23
End at: 2018-01-08 21:42:53
Local clock offset: 10.125 ms
Remote clock offset: -17.625 ms


# Below is generated by plot.py at 2018-01-09 01:12:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 44.195 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 44.195 ms
Loss rate: 0.09%
```
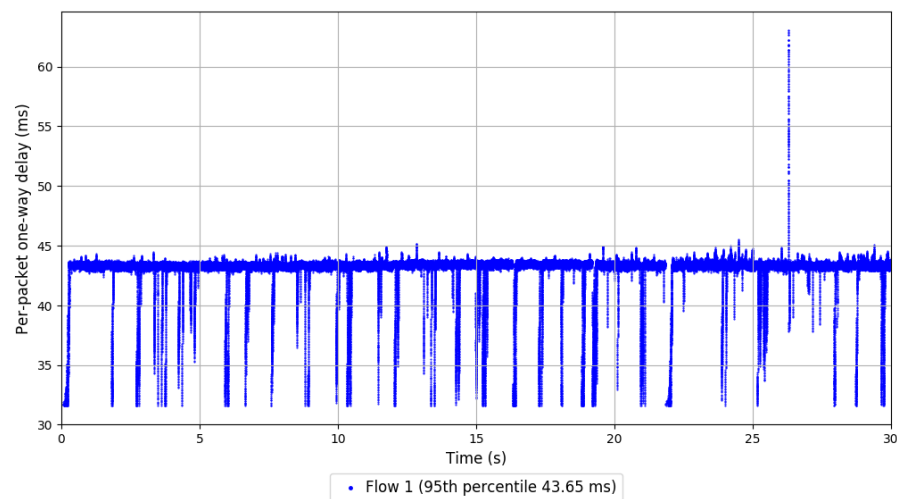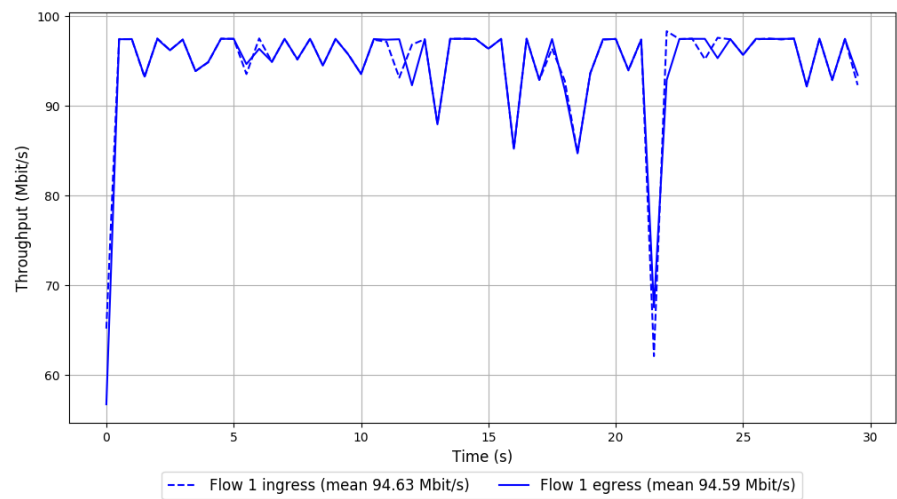
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2018-01-08 19:00:45
End at: 2018-01-08 19:01:15
Local clock offset: 4.889 ms
Remote clock offset: -7.496 ms


# Below is generated by plot.py at 2018-01-09 01:12:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 38.726 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 38.726 ms
Loss rate: 0.13%
```
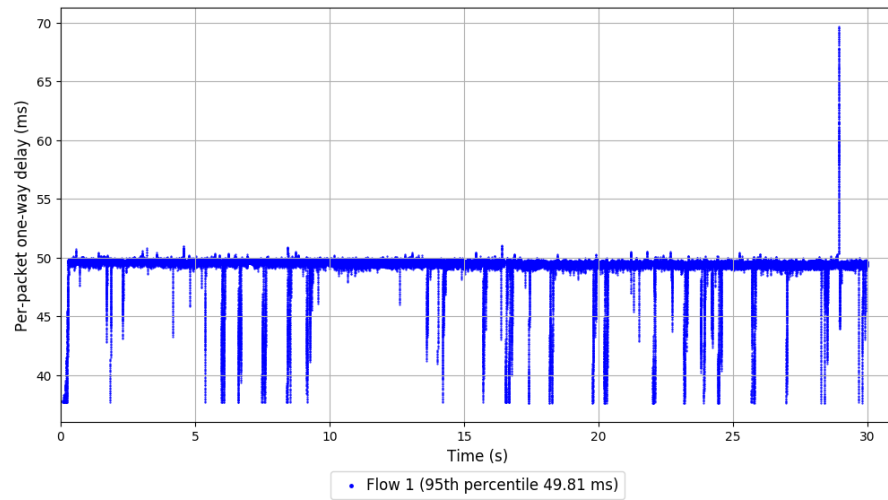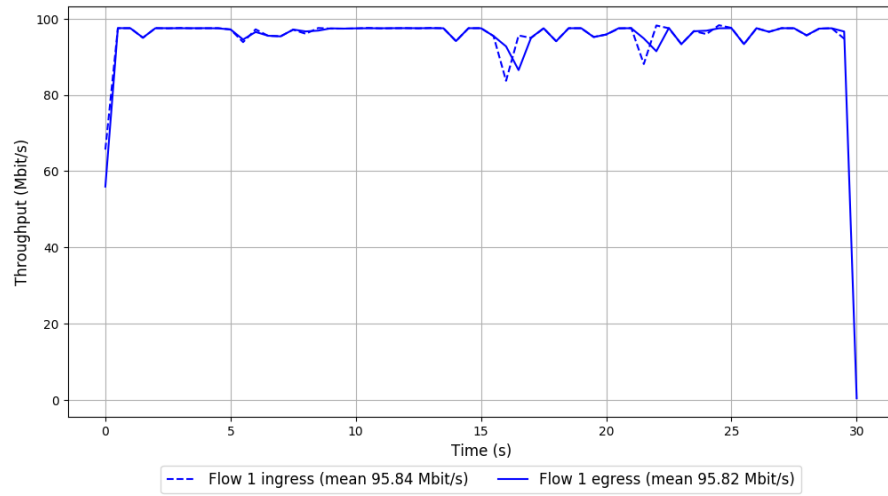
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 96.18 Mbit/s)   Flow 1 egress (mean 96.14 Mbit/s)

• Flow 1 (95th percentile 38.73 ms)

```
Run 2: Statistics of Verus

Start at: 2018-01-08 19:18:13
End at: 2018-01-08 19:18:43
Local clock offset: 4.125 ms
Remote clock offset: -12.067 ms


# Below is generated by plot.py at 2018-01-09 01:12:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 43.363 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 43.363 ms
Loss rate: 0.13%
```

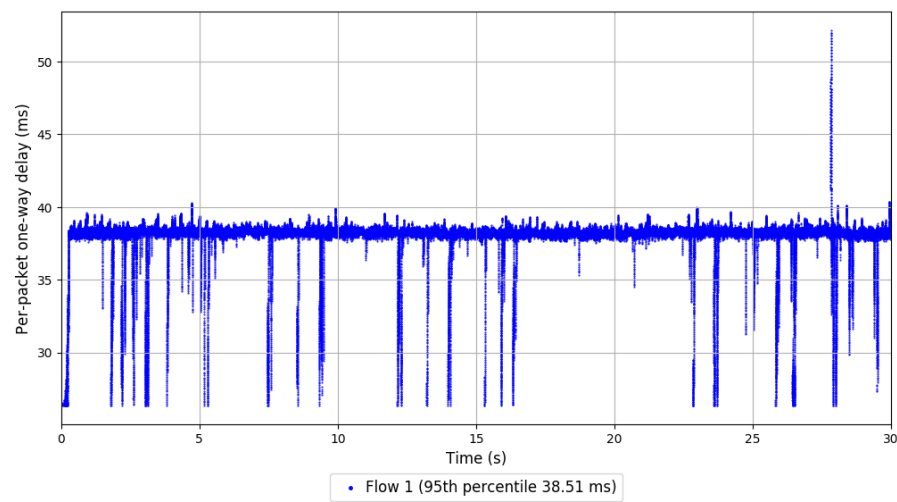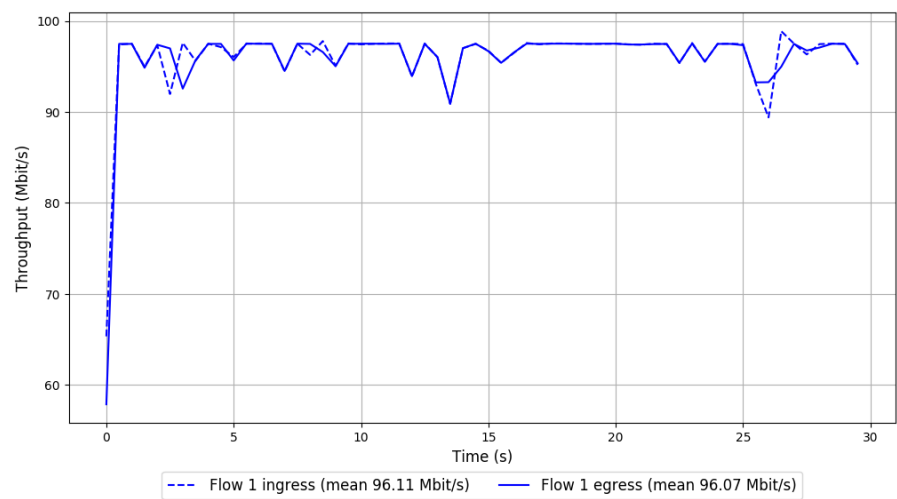Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 95.41 Mbit/s) ----   Flow 1 egress (mean 95.37 Mbit/s) ——

• Flow 1 (95th percentile 43.36 ms)

```
Run 3: Statistics of Verus

Start at: 2018-01-08 19:35:48
End at: 2018-01-08 19:36:18
Local clock offset: 8.392 ms
Remote clock offset: -11.838 ms


# Below is generated by plot.py at 2018-01-09 01:12:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 43.654 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 43.654 ms
Loss rate: 0.13%
```

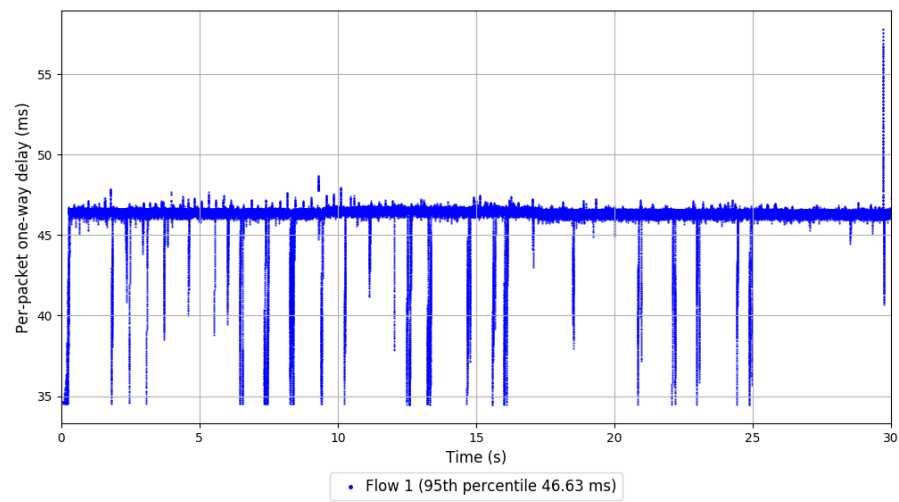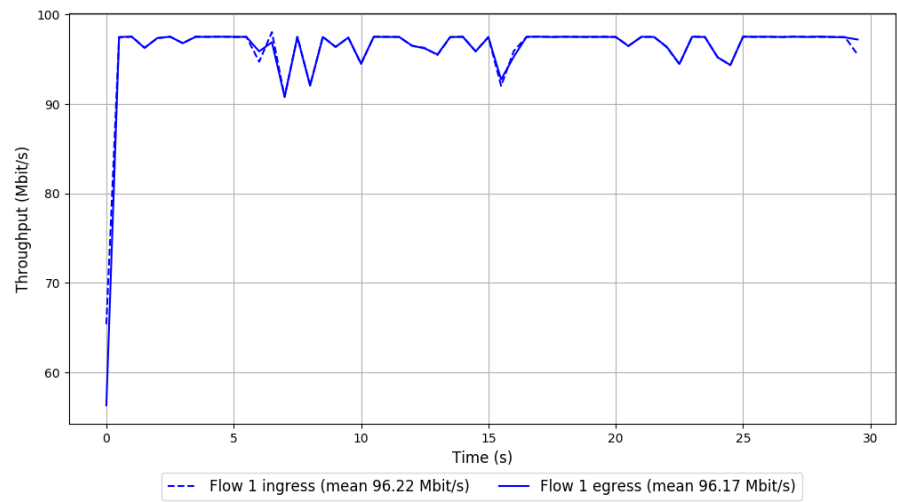Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-01-08 19:53:56
End at: 2018-01-08 19:54:26
Local clock offset: 8.229 ms
Remote clock offset: -18.973 ms


# Below is generated by plot.py at 2018-01-09 01:12:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 49.806 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 49.806 ms
Loss rate: 0.13%
```
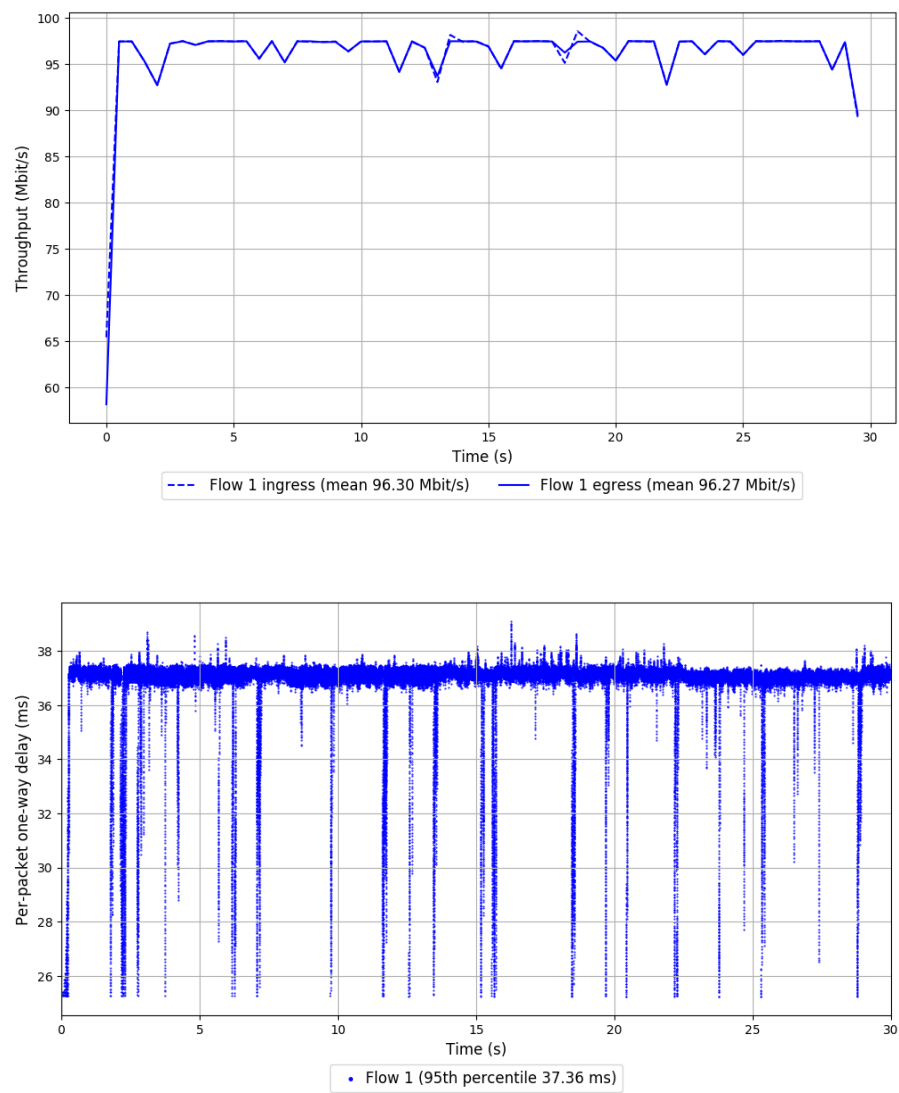
Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 95.84 Mbit/s)   Flow 1 egress (mean 95.82 Mbit/s)

Flow 1 (95th percentile 49.81 ms)

```
Run 5: Statistics of Verus

Start at: 2018-01-08 20:11:52
End at: 2018-01-08 20:12:22
Local clock offset: 2.245 ms
Remote clock offset: -13.673 ms


# Below is generated by plot.py at 2018-01-09 01:14:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 38.508 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 38.508 ms
Loss rate: 0.13%
```

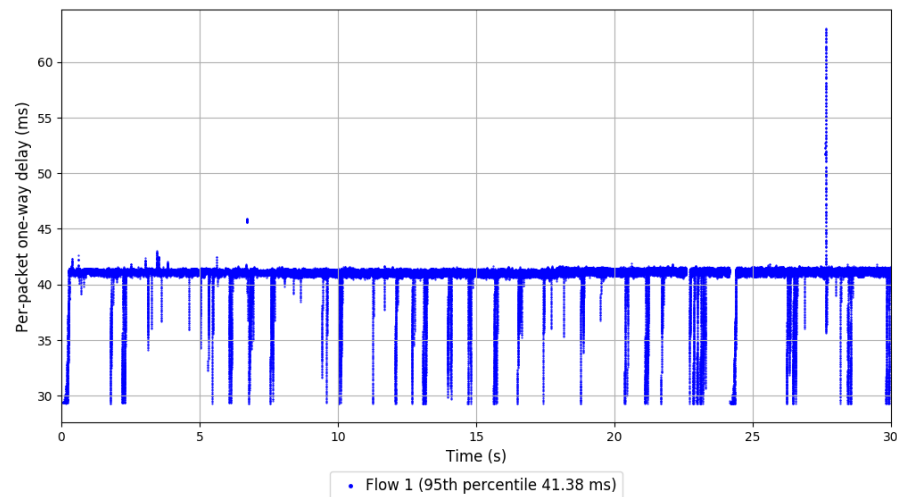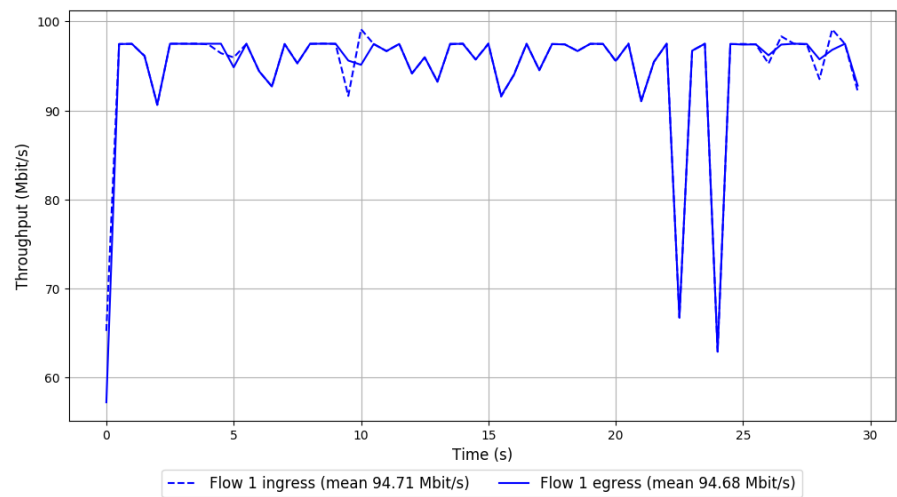Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 96.11 Mbit/s)   Flow 1 egress (mean 96.07 Mbit/s)

Flow 1 (95th percentile 38.51 ms)

```
Run 6: Statistics of Verus

Start at: 2018-01-08 20:30:06
End at: 2018-01-08 20:30:36
Local clock offset: 11.375 ms
Remote clock offset: -14.561 ms


# Below is generated by plot.py at 2018-01-09 01:14:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 46.628 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 46.628 ms
Loss rate: 0.13%
```

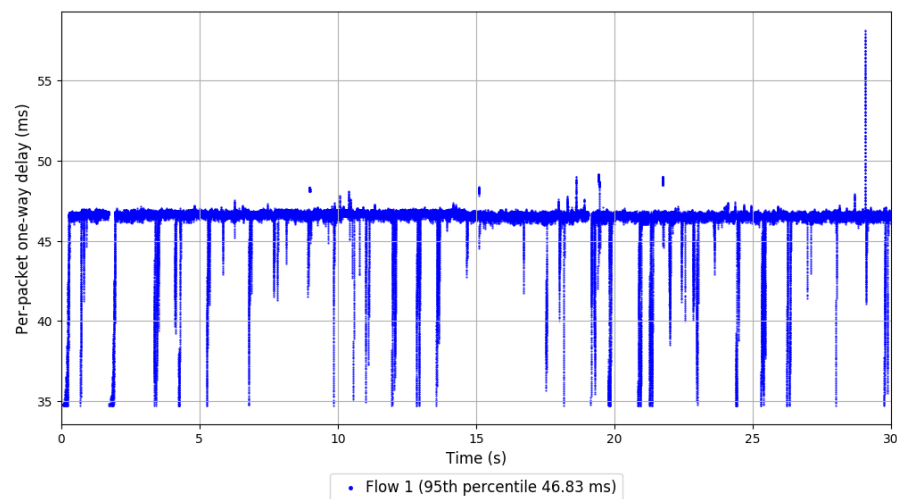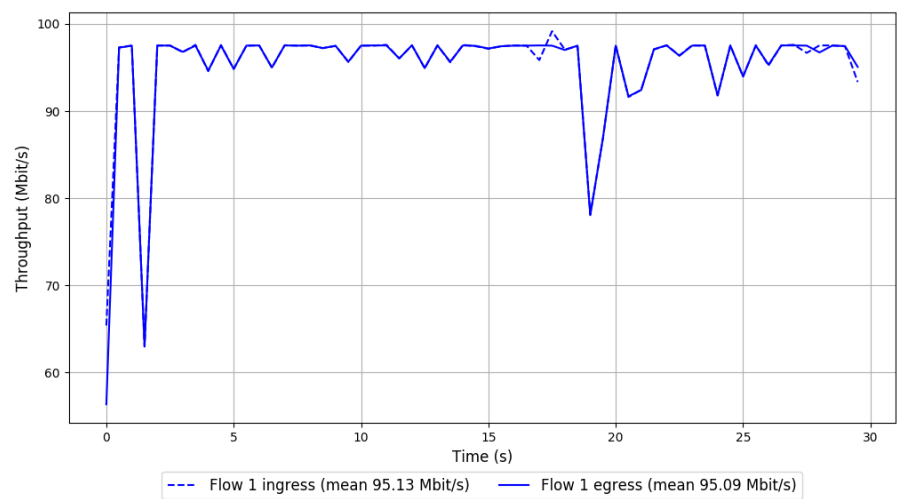Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 96.22 Mbit/s)   Flow 1 egress (mean 96.17 Mbit/s)

Flow 1 (95th percentile 46.63 ms)

```
Run 7: Statistics of Verus

Start at: 2018-01-08 20:47:56
End at: 2018-01-08 20:48:26
Local clock offset: 3.368 ms
Remote clock offset: -14.523 ms

# Below is generated by plot.py at 2018-01-09 01:14:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 37.362 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 37.362 ms
Loss rate: 0.12%
```
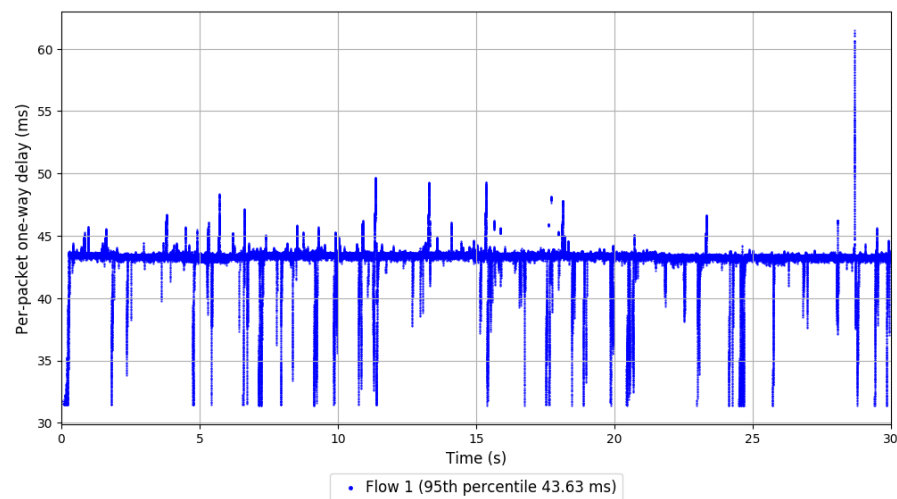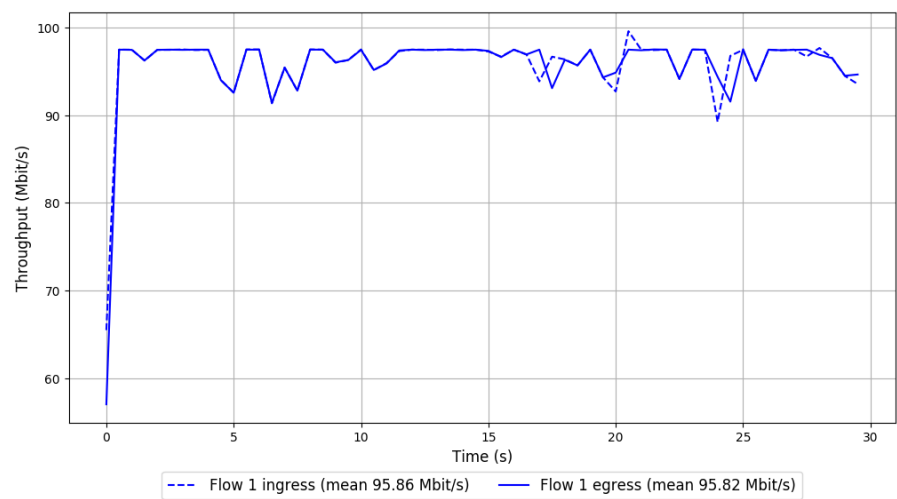
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-01-08 21:05:35
End at: 2018-01-08 21:06:05
Local clock offset: 6.831 ms
Remote clock offset: -16.818 ms


# Below is generated by plot.py at 2018-01-09 01:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 41.378 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 41.378 ms
Loss rate: 0.13%
```

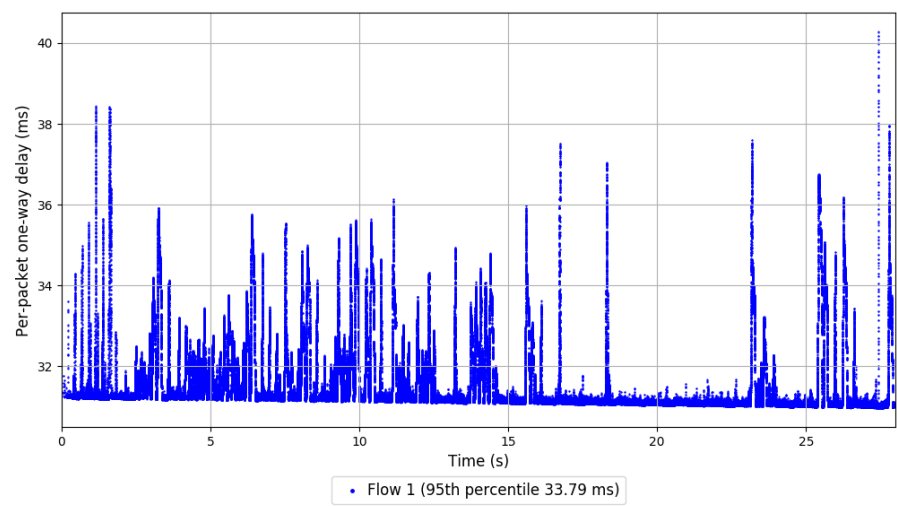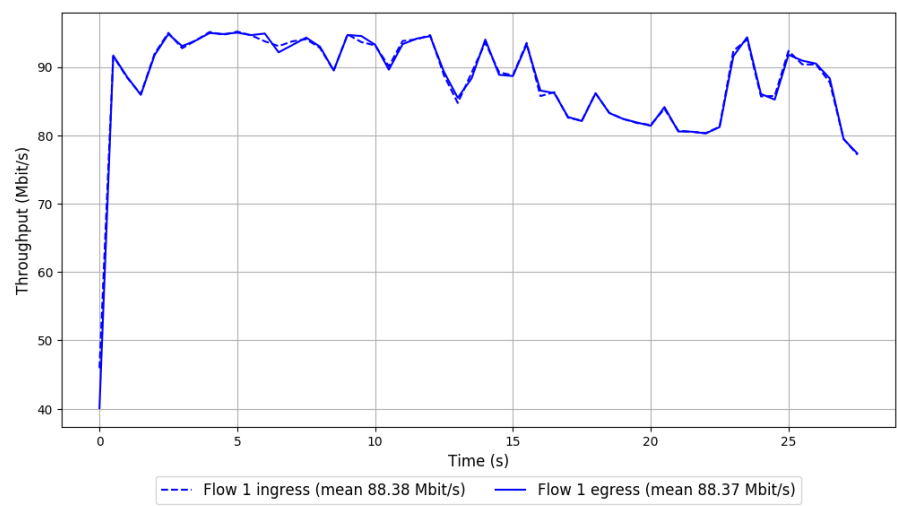Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2018-01-08 21:23:14
End at: 2018-01-08 21:23:44
Local clock offset: 11.563 ms
Remote clock offset: -17.478 ms


# Below is generated by plot.py at 2018-01-09 01:14:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 46.826 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 46.826 ms
Loss rate: 0.13%
```

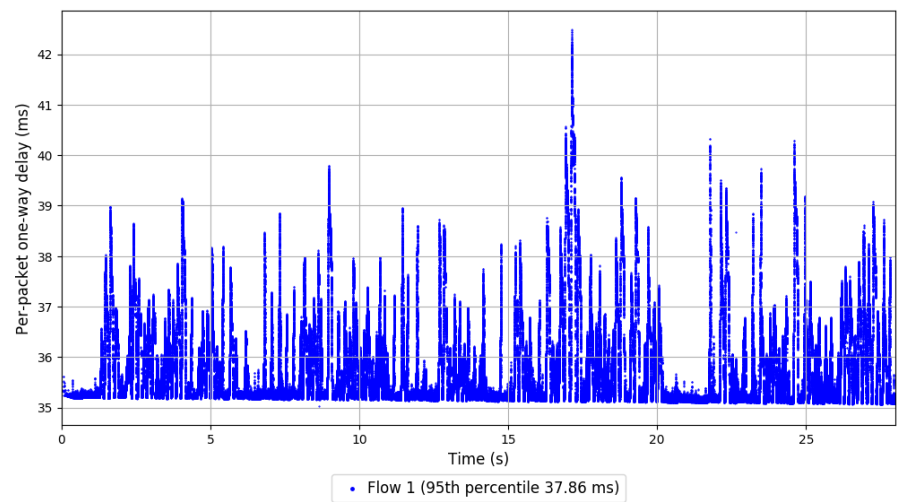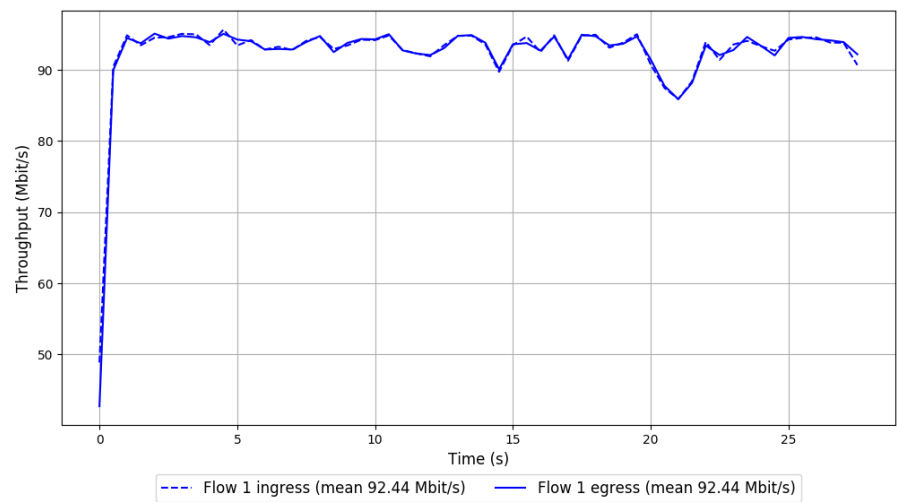# Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 95.13 Mbit/s) ----- Flow 1 egress (mean 95.09 Mbit/s) ———

Flow 1 (95th percentile 46.83 ms)

```
Run 10: Statistics of Verus

Start at: 2018-01-08 21:41:06
End at: 2018-01-08 21:41:36
Local clock offset: 9.397 ms
Remote clock offset: -17.534 ms


# Below is generated by plot.py at 2018-01-09 01:14:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 43.626 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 43.626 ms
Loss rate: 0.13%
```

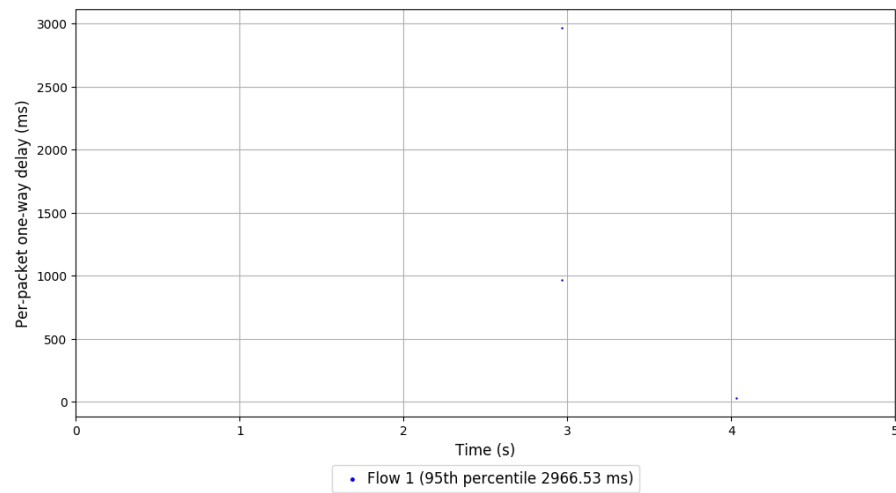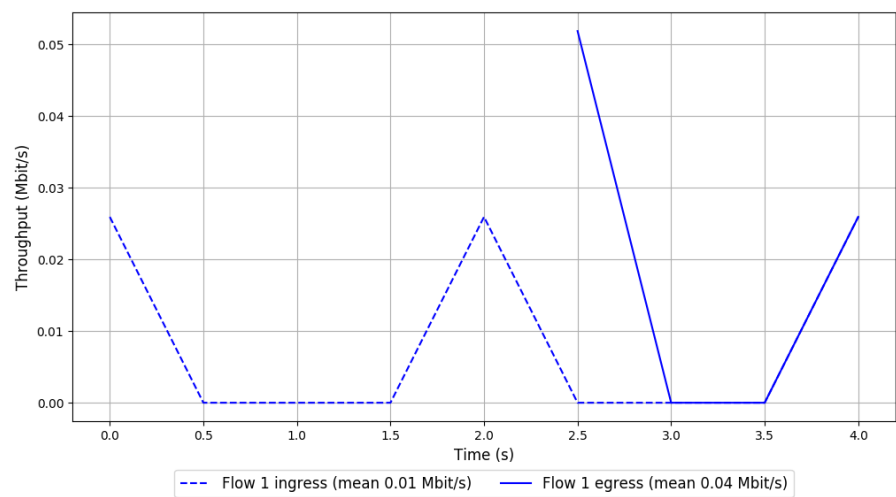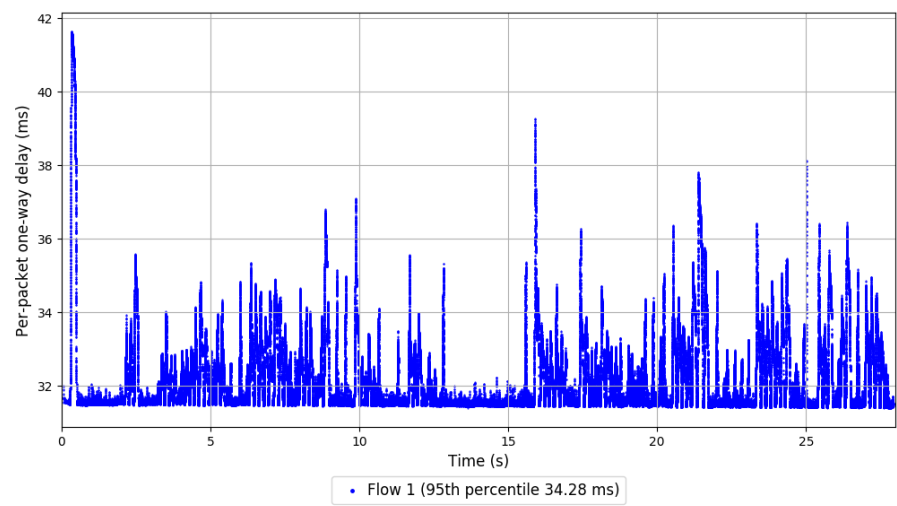Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-01-08 18:57:13
End at: 2018-01-08 18:57:43
Local clock offset: 10.426 ms
Remote clock offset: -7.886 ms


# Below is generated by plot.py at 2018-01-09 01:16:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: 33.793 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: 33.793 ms
Loss rate: 0.10%
```

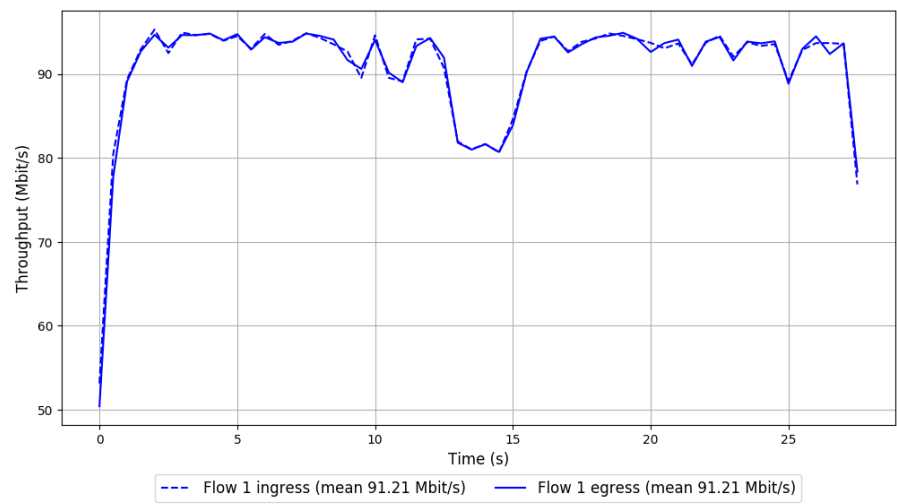# Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2018-01-08 19:14:38
End at: 2018-01-08 19:15:08
Local clock offset: 8.524 ms
Remote clock offset: -10.298 ms


# Below is generated by plot.py at 2018-01-09 01:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 37.856 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 37.856 ms
Loss rate: 0.10%
```
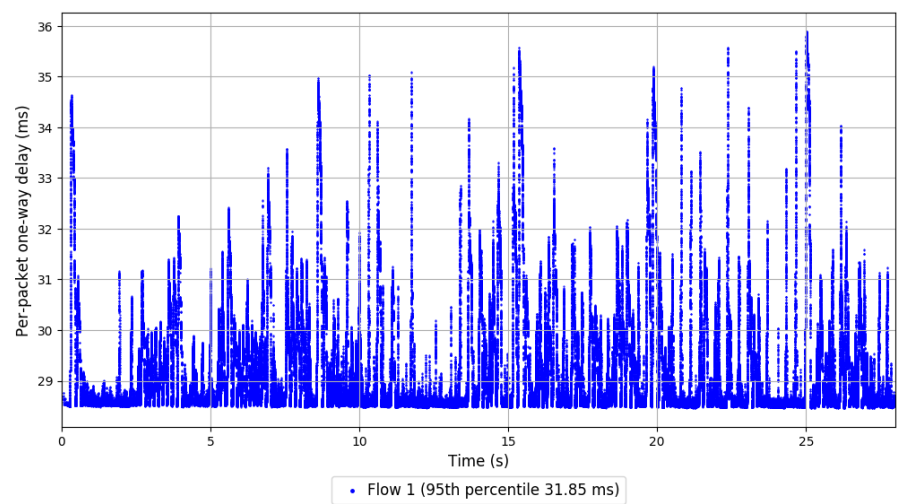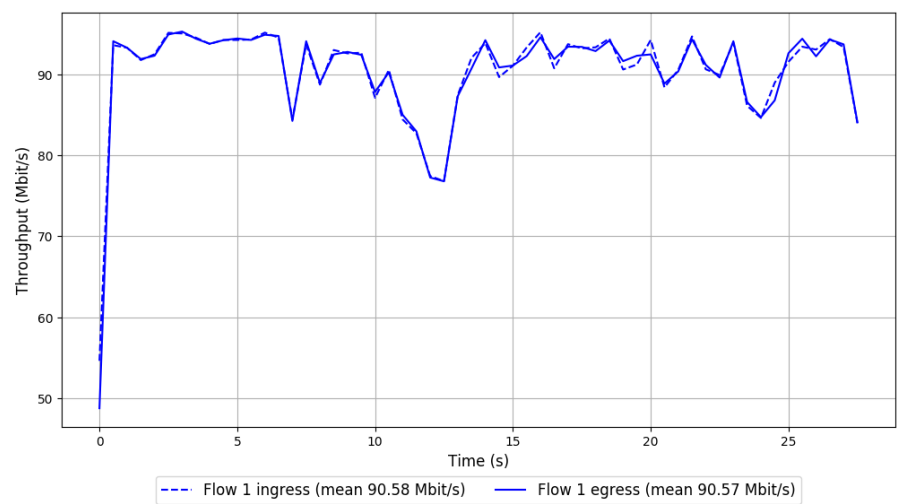
Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-01-08 19:32:17
End at: 2018-01-08 19:32:47
Local clock offset: 5.952 ms
Remote clock offset: -10.625 ms
```

Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2018-01-08 19:50:13
End at: 2018-01-08 19:50:43
Local clock offset: 8.029 ms
Remote clock offset: -12.23 ms


# Below is generated by plot.py at 2018-01-09 01:18:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 34.283 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 34.283 ms
Loss rate: 0.09%
```
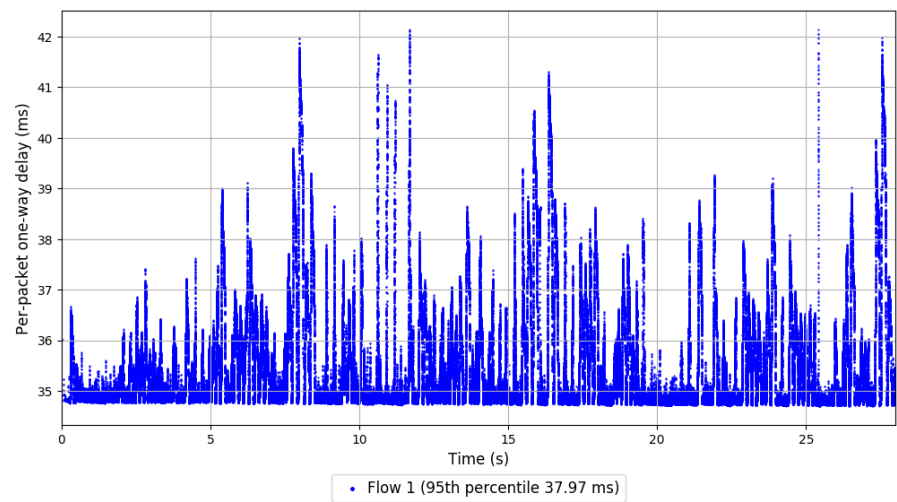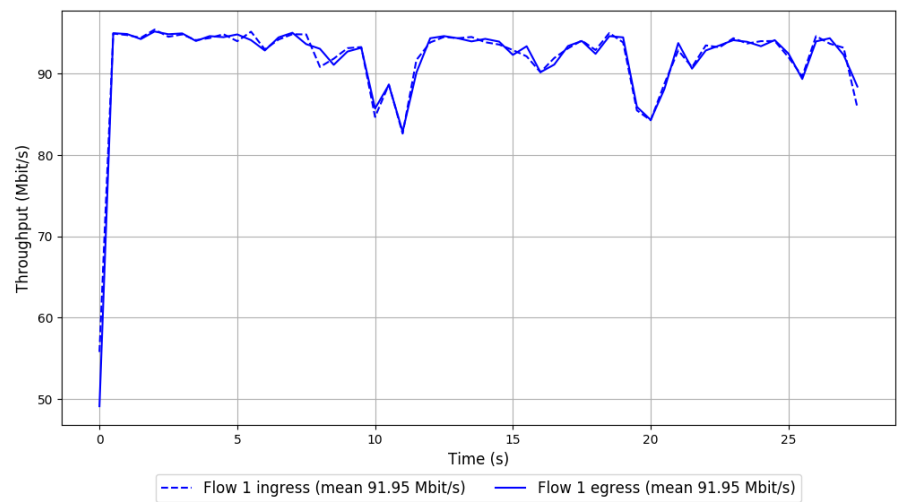
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2018-01-08 20:08:13
End at: 2018-01-08 20:08:43
Local clock offset: 4.617 ms
Remote clock offset: -13.291 ms


# Below is generated by plot.py at 2018-01-09 01:18:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 31.850 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 31.850 ms
Loss rate: 0.10%
```

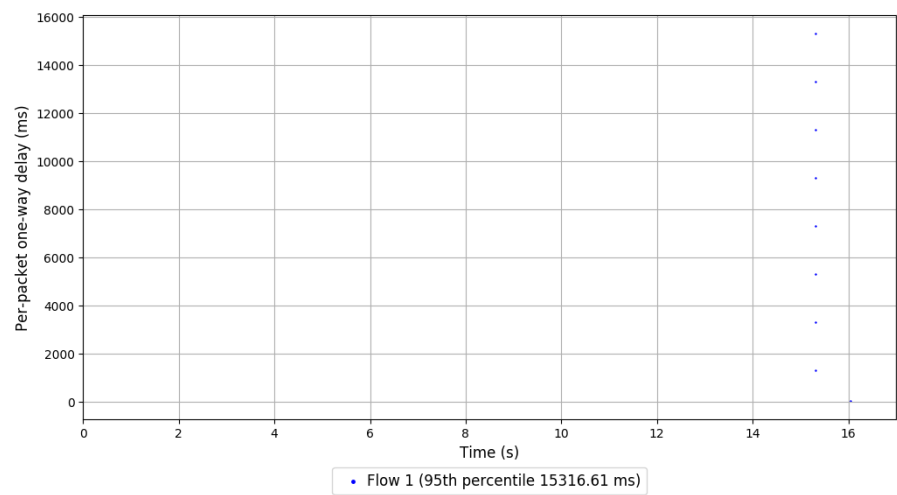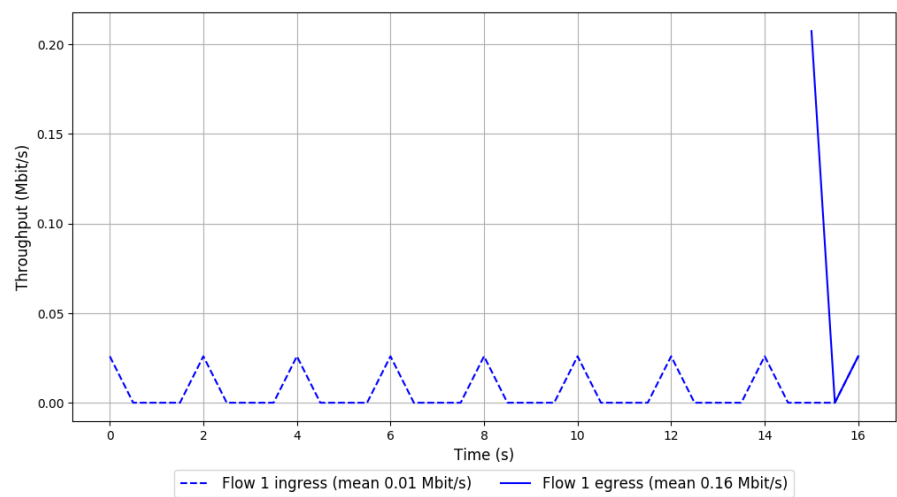Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-01-08 20:26:28
End at: 2018-01-08 20:26:58
Local clock offset: 11.761 ms
Remote clock offset: -13.858 ms


# Below is generated by plot.py at 2018-01-09 01:19:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.95 Mbit/s
95th percentile per-packet one-way delay: 37.970 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 91.95 Mbit/s
95th percentile per-packet one-way delay: 37.970 ms
Loss rate: 0.10%
```

Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 91.95 Mbit/s) ----- Flow 1 egress (mean 91.95 Mbit/s) ———

Flow 1 (95th percentile 37.97 ms)

```
Run 7: Statistics of Copa

Start at: 2018-01-08 20:44:27
End at: 2018-01-08 20:44:57
Local clock offset: 12.47 ms
Remote clock offset: -14.49 ms
```

Run 7: Report of Copa — Data Link
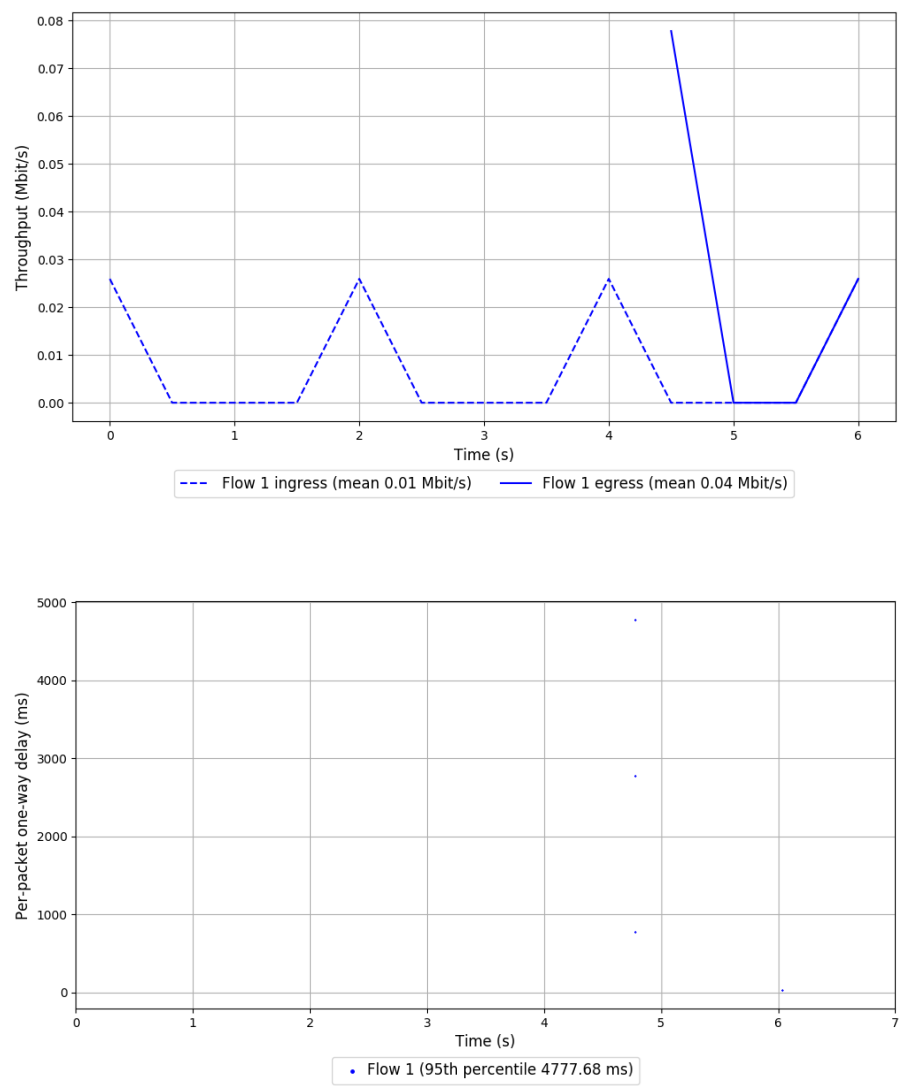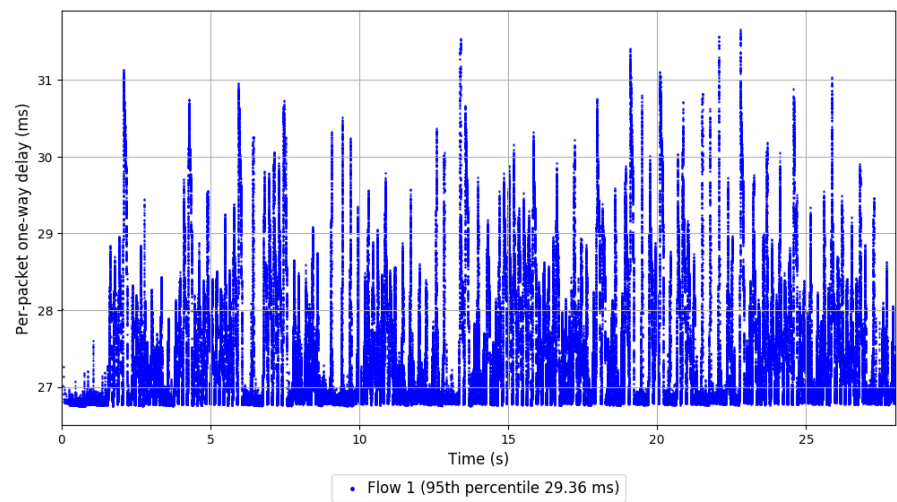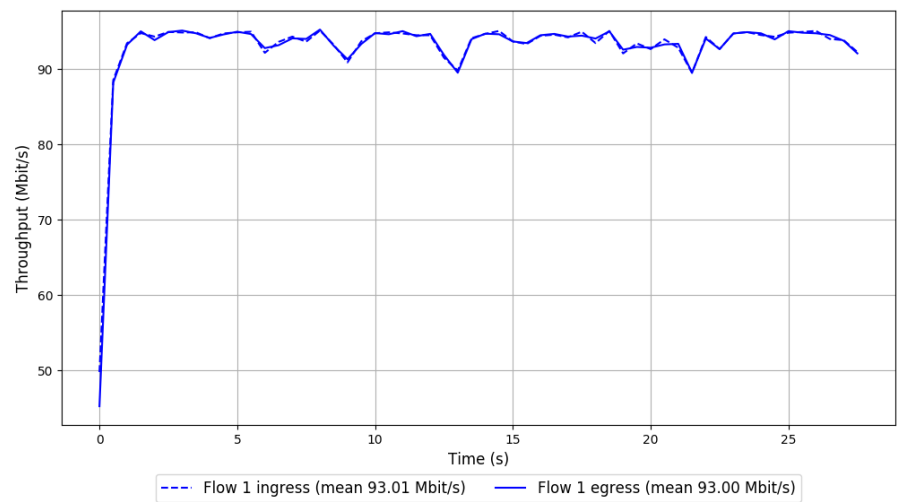
```
Run 8: Statistics of Copa

Start at: 2018-01-08 21:02:05
End at: 2018-01-08 21:02:35
Local clock offset: 4.339 ms
Remote clock offset: -16.927 ms
```
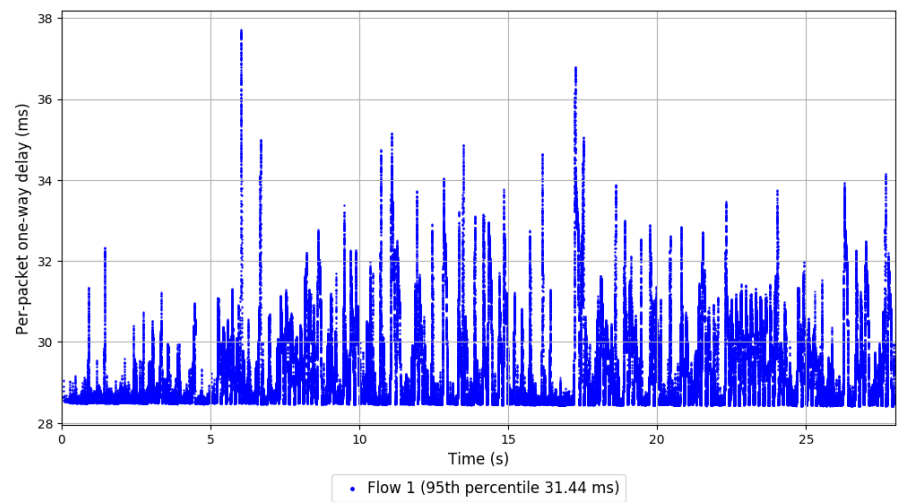
Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-01-08 21:19:38
End at: 2018-01-08 21:20:08
Local clock offset: 3.089 ms
Remote clock offset: -18.089 ms


# Below is generated by plot.py at 2018-01-09 01:19:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 29.356 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 29.356 ms
Loss rate: 0.10%
```

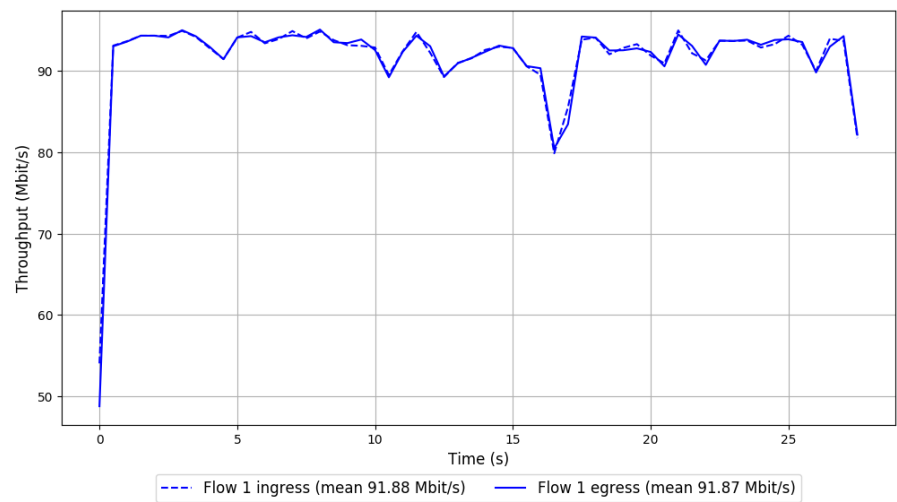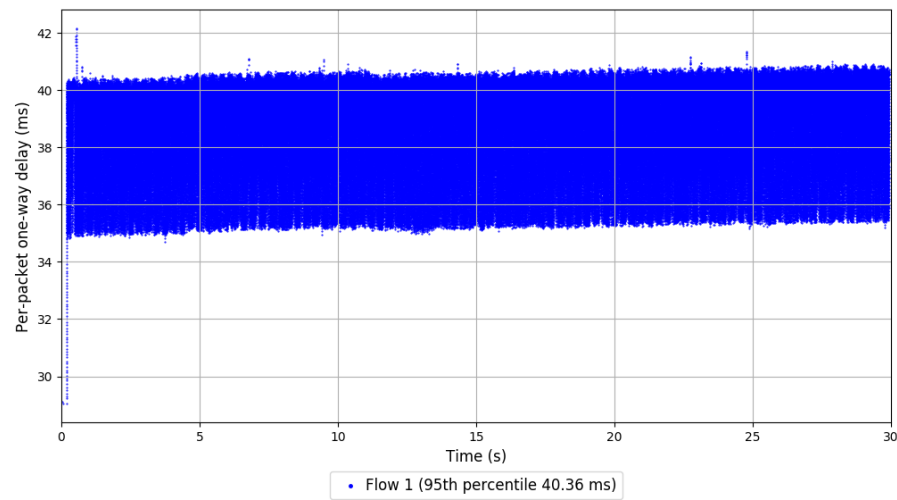# Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2018-01-08 21:37:28
End at: 2018-01-08 21:37:58
Local clock offset: 6.323 ms
Remote clock offset: -17.205 ms


# Below is generated by plot.py at 2018-01-09 01:19:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 31.437 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 31.437 ms
Loss rate: 0.10%
```

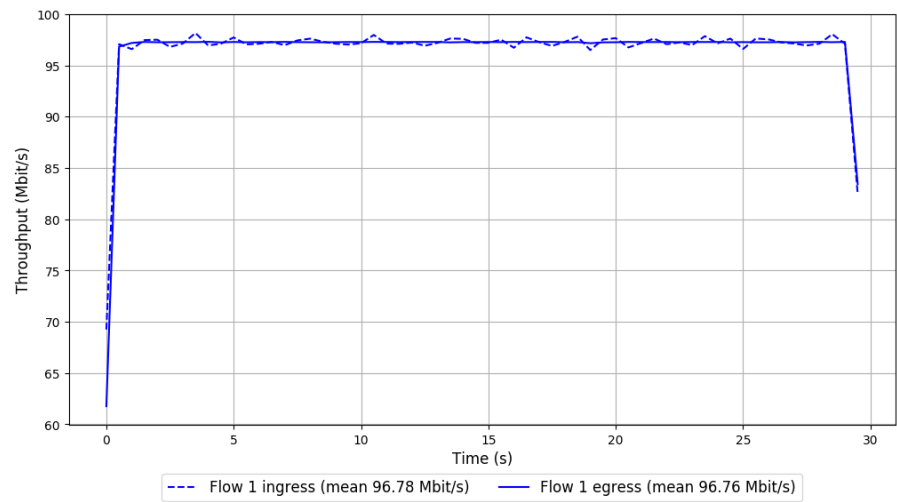Run 10: Report of Copa — Data Link

```
Run 1: Statistics of FillP

Start at: 2018-01-08 18:59:36
End at: 2018-01-08 19:00:06
Local clock offset: 7.703 ms
Remote clock offset: -8.455 ms

# Below is generated by plot.py at 2018-01-09 01:19:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 40.360 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 40.360 ms
Loss rate: 0.12%
```

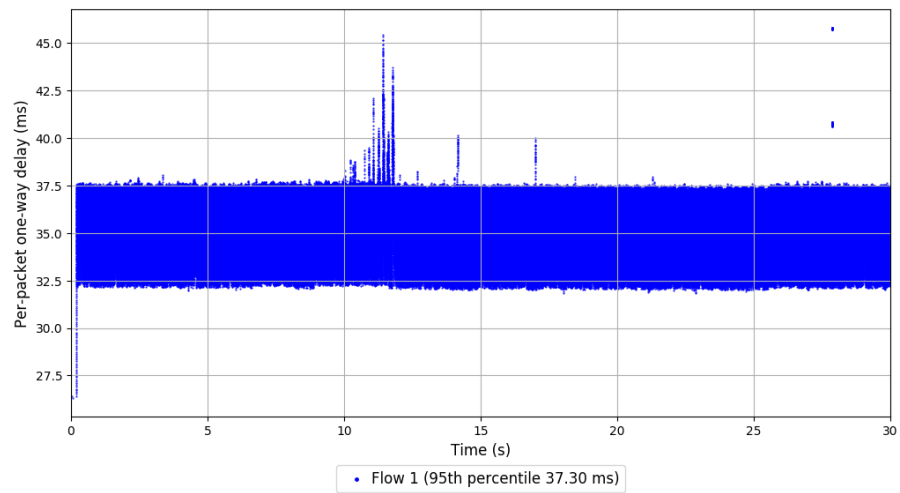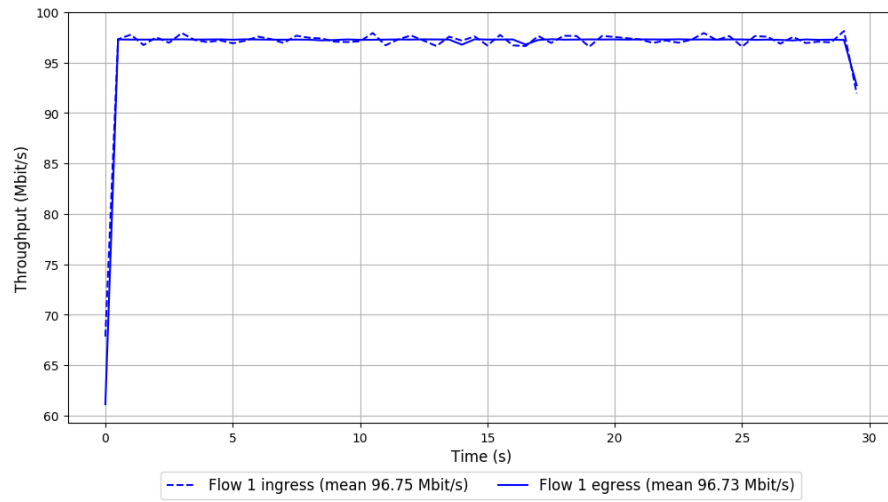Run 1: Report of FillP — Data Link

```
Run 2: Statistics of FillP

Start at: 2018-01-08 19:17:04
End at: 2018-01-08 19:17:34
Local clock offset: 1.763 ms
Remote clock offset: -9.093 ms


# Below is generated by plot.py at 2018-01-09 01:19:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 37.303 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 37.303 ms
Loss rate: 0.11%
```

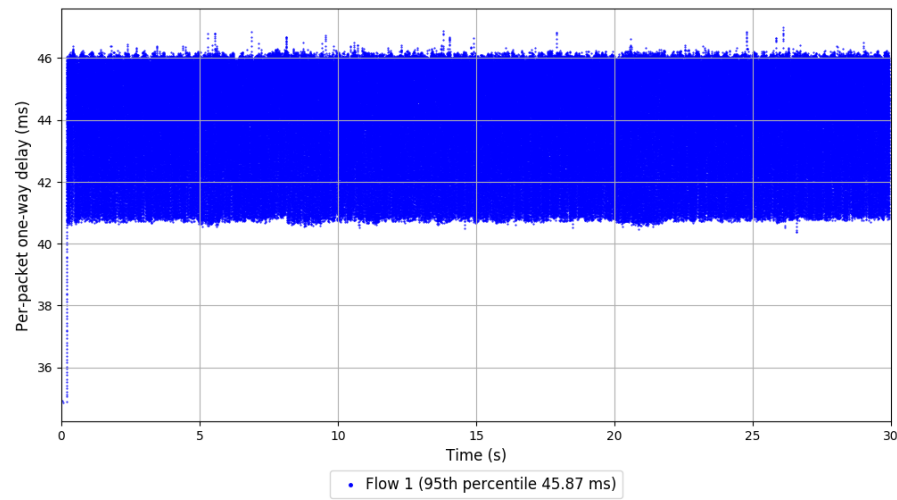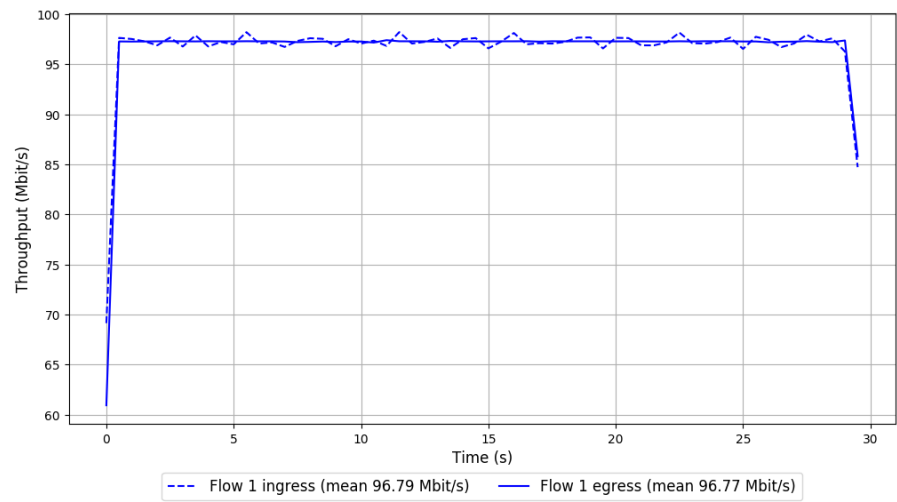Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-01-08 19:34:37
End at: 2018-01-08 19:35:07
Local clock offset: 11.312 ms
Remote clock offset: -12.425 ms


# Below is generated by plot.py at 2018-01-09 01:19:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 45.870 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 45.870 ms
Loss rate: 0.12%
```

Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 96.79 Mbit/s) --- Flow 1 egress (mean 96.77 Mbit/s)

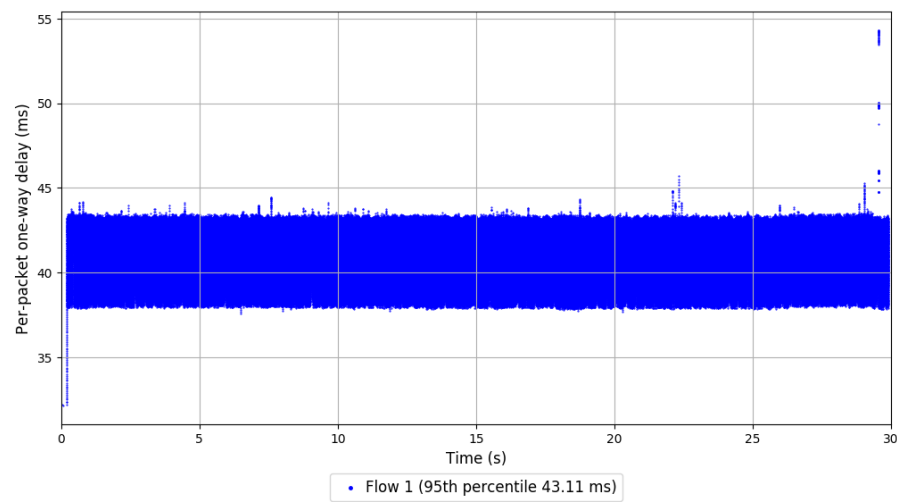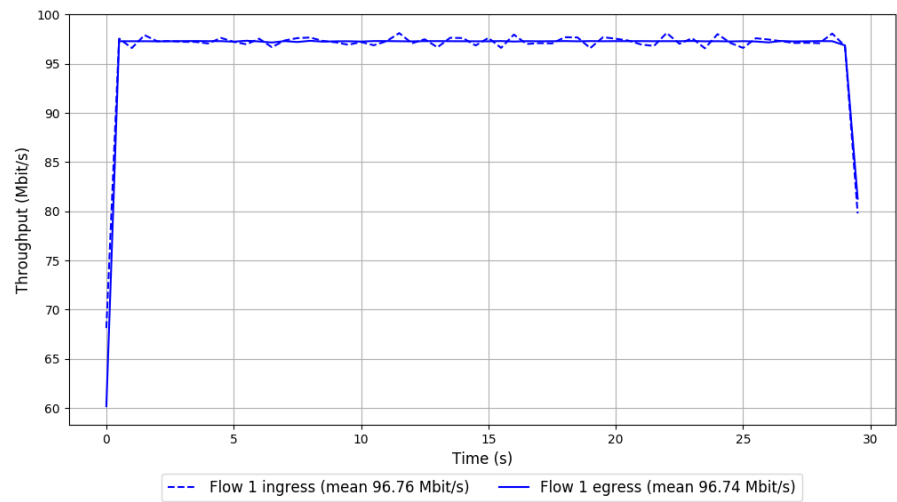• Flow 1 (95th percentile 45.87 ms)

249

```
Run 4: Statistics of FillP

Start at: 2018-01-08 19:52:44
End at: 2018-01-08 19:53:14
Local clock offset: 9.289 ms
Remote clock offset: -12.215 ms


# Below is generated by plot.py at 2018-01-09 01:20:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 43.107 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 43.107 ms
Loss rate: 0.12%
```

Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 96.76 Mbit/s) ——— Flow 1 egress (mean 96.74 Mbit/s)

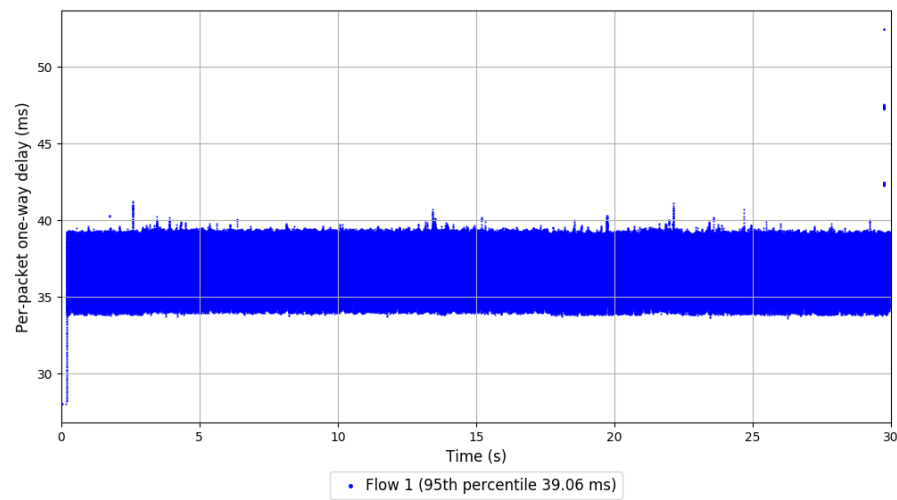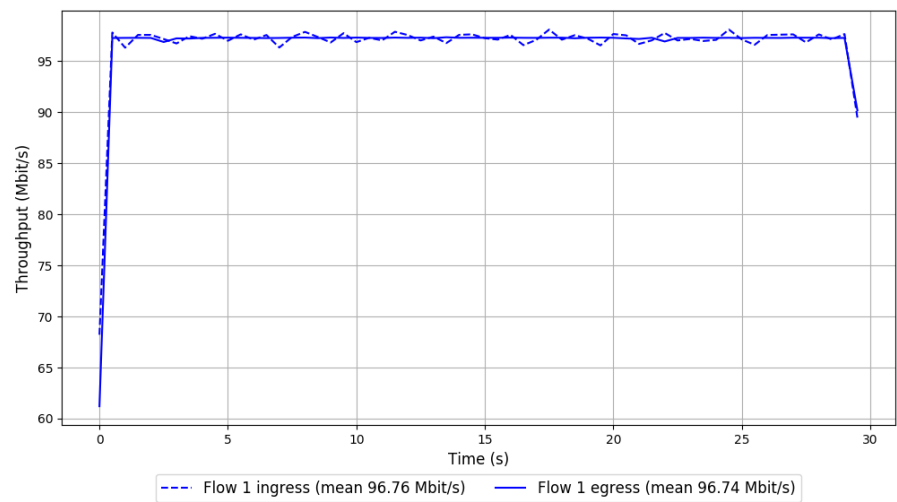Flow 1 (95th percentile 43.11 ms)

```
Run 5: Statistics of FillP

Start at: 2018-01-08 20:10:39
End at: 2018-01-08 20:11:09
Local clock offset: 4.283 ms
Remote clock offset: -13.395 ms


# Below is generated by plot.py at 2018-01-09 01:21:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 39.059 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 39.059 ms
Loss rate: 0.12%
```

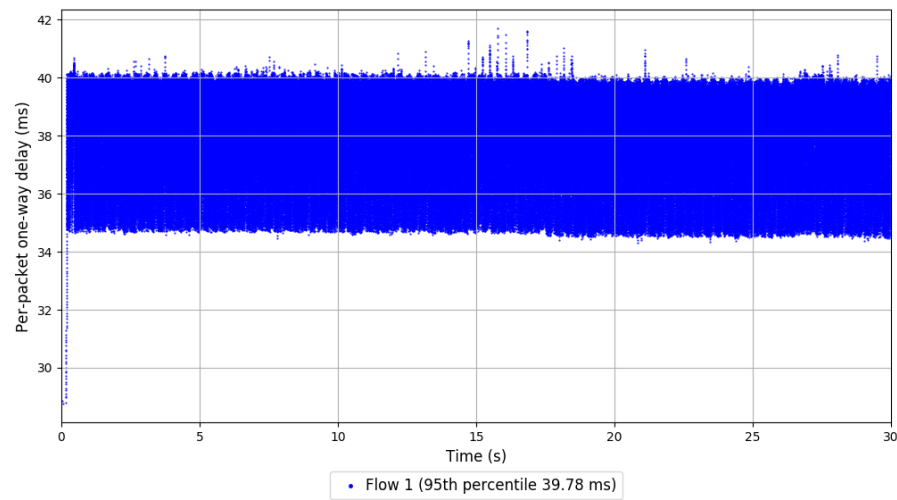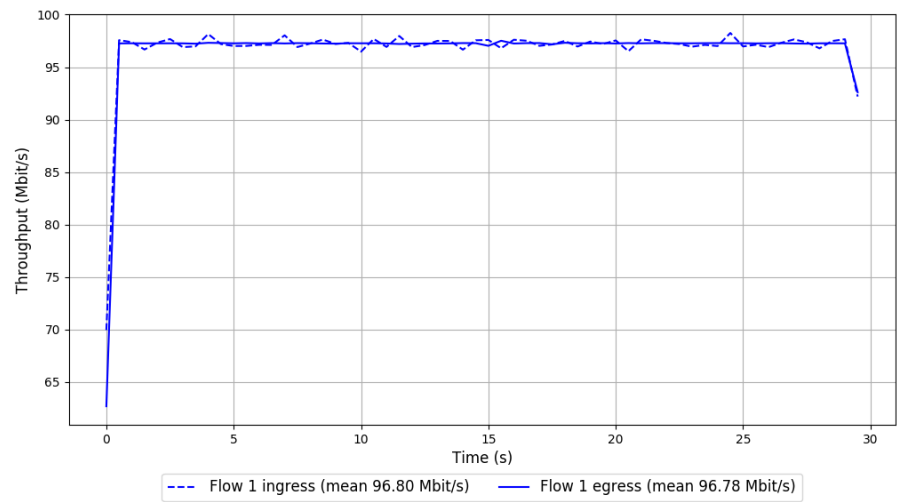## Run 5: Report of FillP — Data Link

```
Run 6: Statistics of FillP

Start at: 2018-01-08 20:28:54
End at: 2018-01-08 20:29:24
Local clock offset: 5.041 ms
Remote clock offset: -15.036 ms


# Below is generated by plot.py at 2018-01-09 01:21:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 39.777 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 39.777 ms
Loss rate: 0.12%
```

Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 96.80 Mbit/s) --- Flow 1 egress (mean 96.78 Mbit/s)

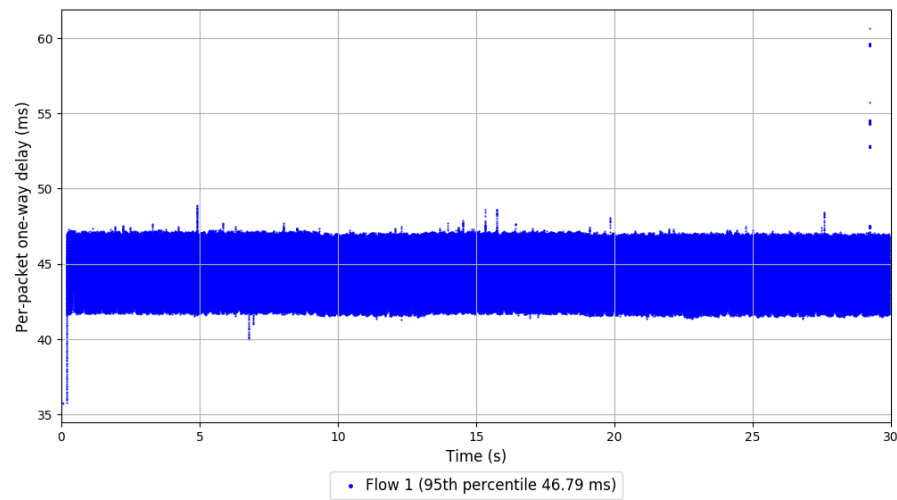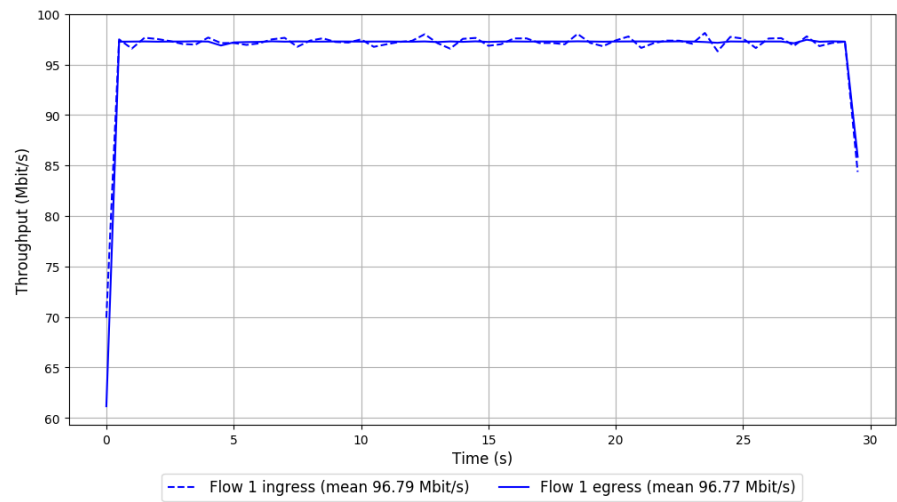Flow 1 (95th percentile 39.78 ms)

```
Run 7: Statistics of FillP

Start at: 2018-01-08 20:46:46
End at: 2018-01-08 20:47:16
Local clock offset: 12.425 ms
Remote clock offset: -16.016 ms


# Below is generated by plot.py at 2018-01-09 01:22:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 46.791 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 46.791 ms
Loss rate: 0.12%
```

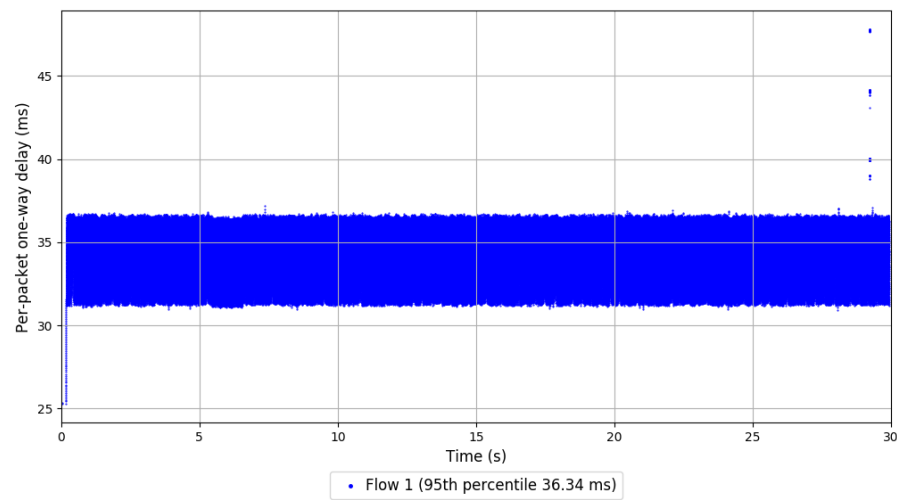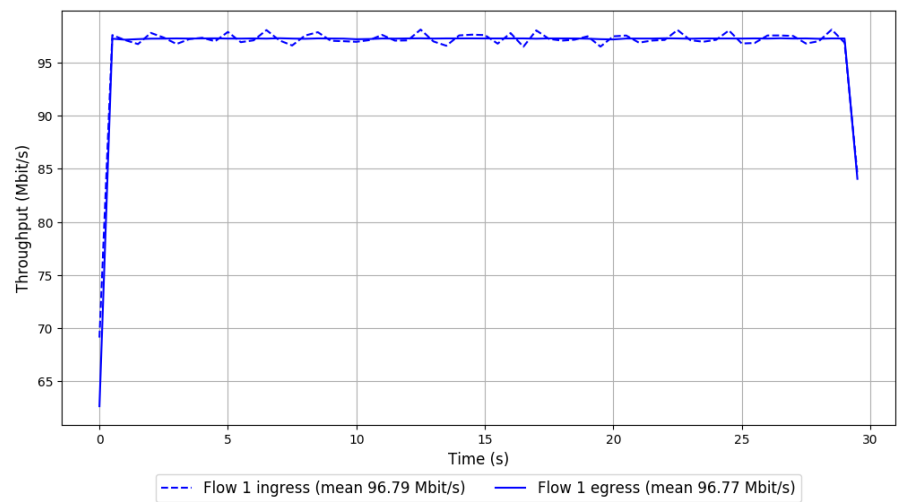Run 7: Report of FillP — Data Link

```
Run 8: Statistics of FillP

Start at: 2018-01-08 21:04:25
End at: 2018-01-08 21:04:55
Local clock offset: 3.842 ms
Remote clock offset: -15.822 ms


# Below is generated by plot.py at 2018-01-09 01:22:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 36.342 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 36.342 ms
Loss rate: 0.12%
```

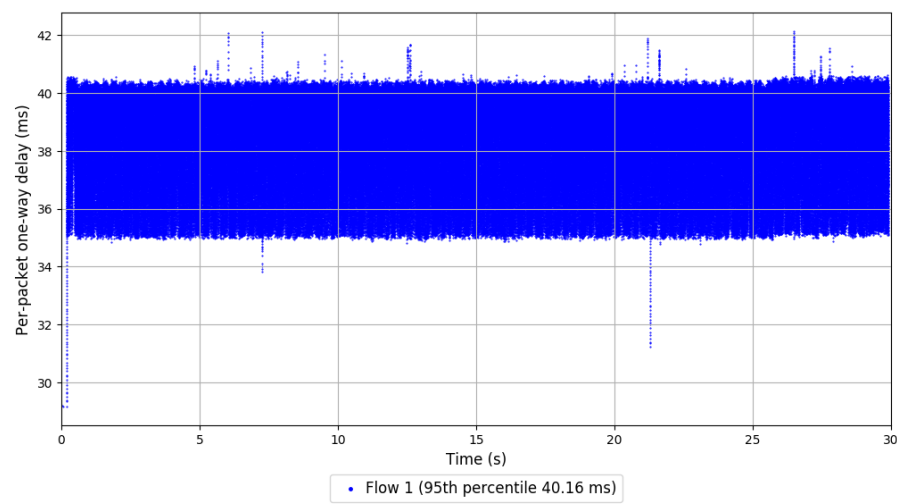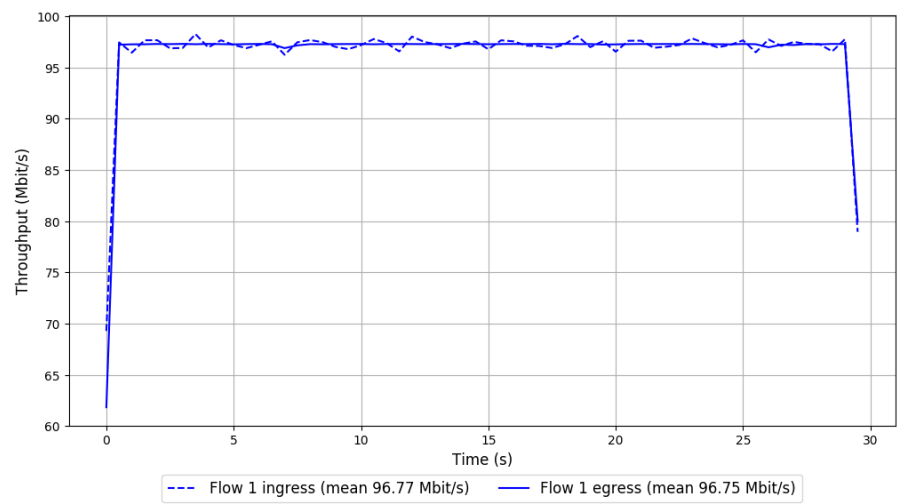## Run 8: Report of FillP — Data Link

```
Run 9: Statistics of FillP

Start at: 2018-01-08 21:22:05
End at: 2018-01-08 21:22:35
Local clock offset: 6.294 ms
Remote clock offset: -17.321 ms


# Below is generated by plot.py at 2018-01-09 01:22:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 40.161 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 40.161 ms
Loss rate: 0.11%
```

Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 96.77 Mbit/s)   Flow 1 egress (mean 96.75 Mbit/s)

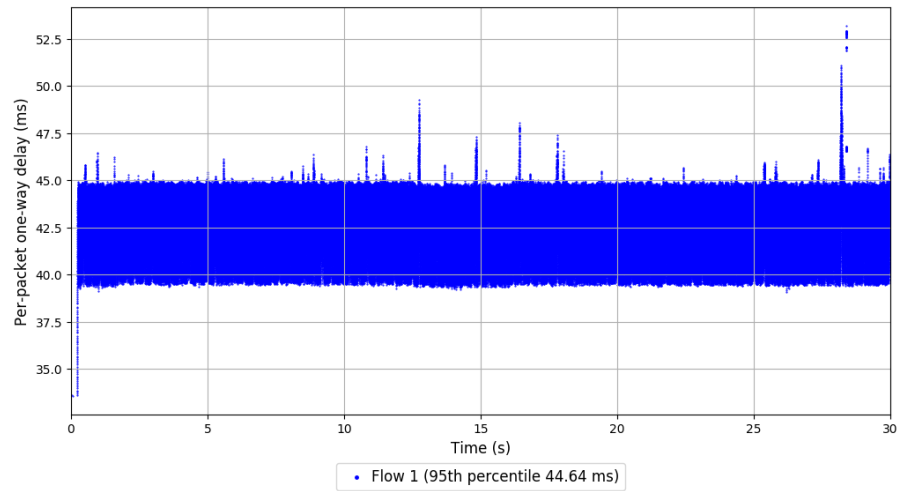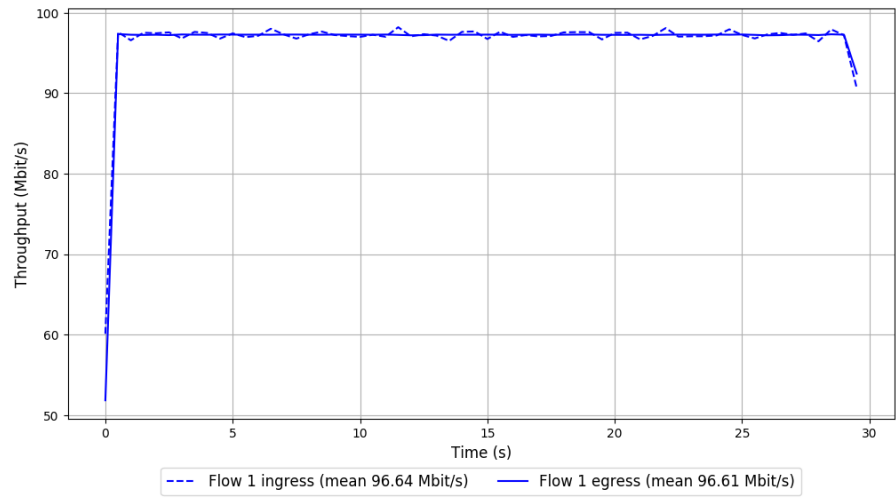Flow 1 (95th percentile 40.16 ms)

```
Run 10: Statistics of FillP

Start at: 2018-01-08 21:39:54
End at: 2018-01-08 21:40:25
Local clock offset: 11.287 ms
Remote clock offset: -17.74 ms


# Below is generated by plot.py at 2018-01-09 01:22:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 44.639 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 44.639 ms
Loss rate: 0.11%
```

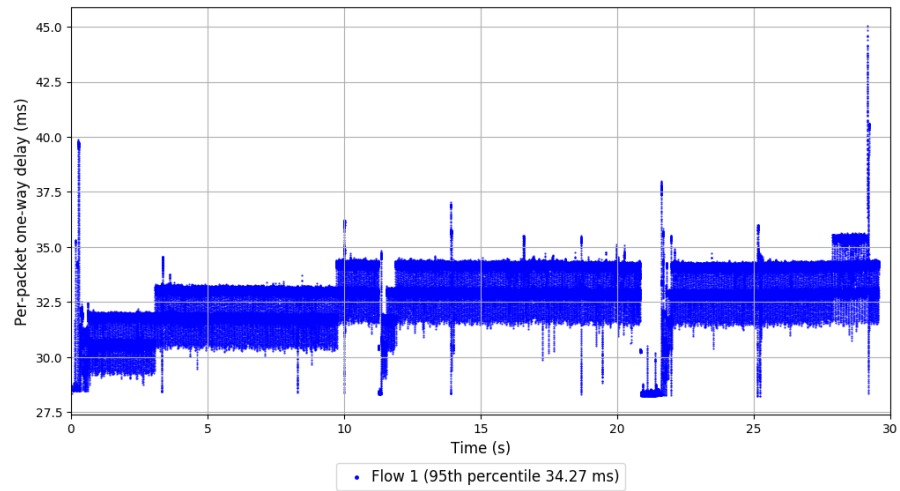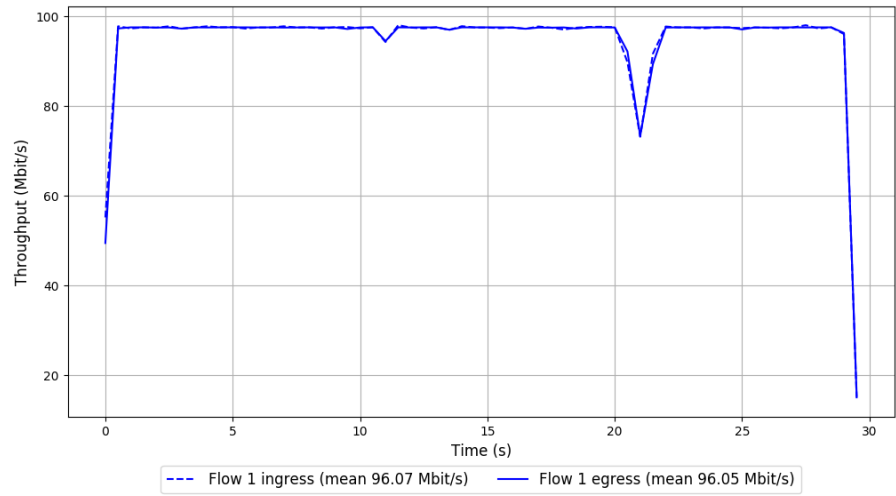## Run 10: Report of FillP — Data Link

```
Run 1: Statistics of Indigo

Start at: 2018-01-08 18:58:25
End at: 2018-01-08 18:58:55
Local clock offset: 5.838 ms
Remote clock offset: -10.335 ms


# Below is generated by plot.py at 2018-01-09 01:22:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 34.273 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 34.273 ms
Loss rate: 0.10%
```

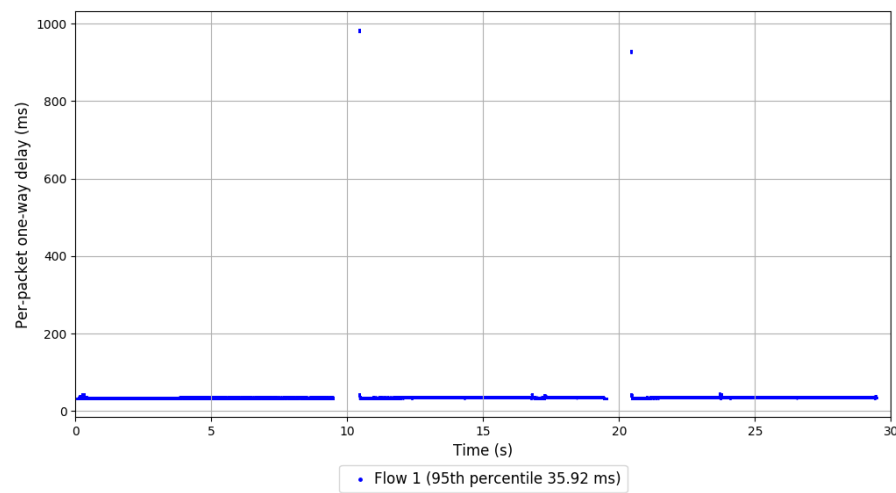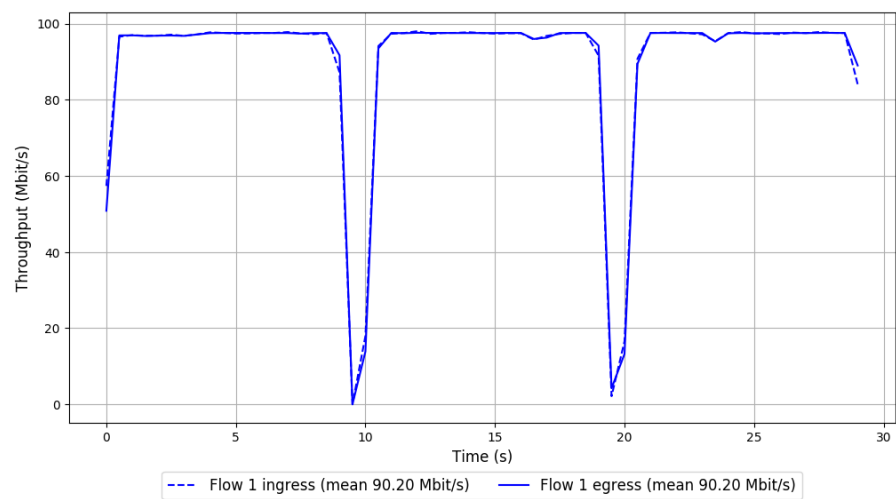Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2018-01-08 19:15:51
End at: 2018-01-08 19:16:21
Local clock offset: 5.807 ms
Remote clock offset: -9.382 ms


# Below is generated by plot.py at 2018-01-09 01:22:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 35.925 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 35.925 ms
Loss rate: 0.04%
```

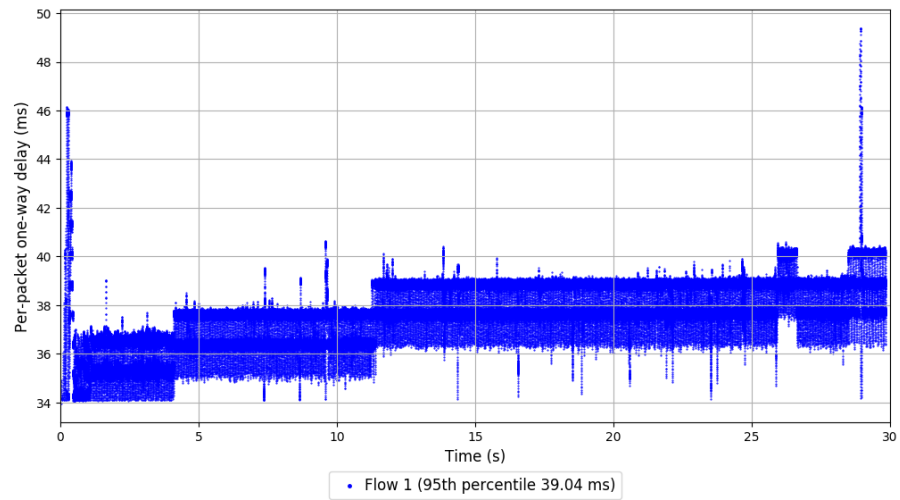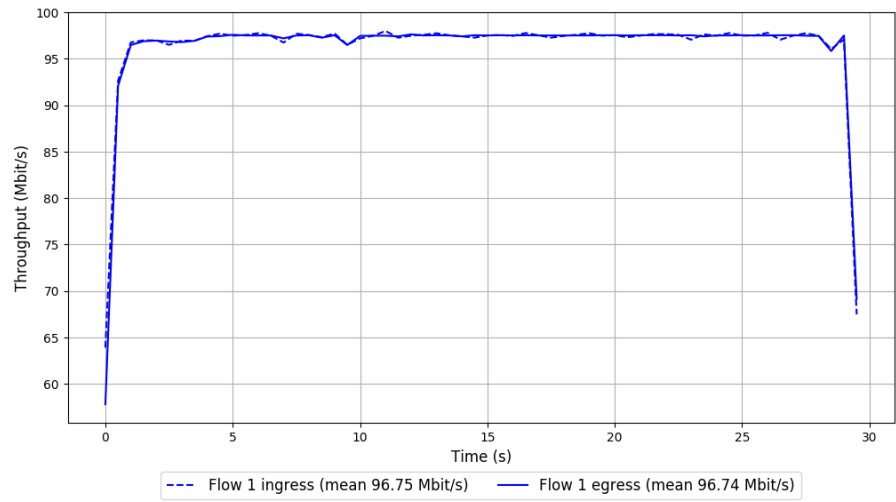Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2018-01-08 19:33:22
End at: 2018-01-08 19:33:52
Local clock offset: 12.435 ms
Remote clock offset: -10.56 ms


# Below is generated by plot.py at 2018-01-09 01:23:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 39.041 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 39.041 ms
Loss rate: 0.10%
```

Run 3: Report of Indigo — Data Link

Flow 1 ingress (mean 96.75 Mbit/s)   Flow 1 egress (mean 96.74 Mbit/s)
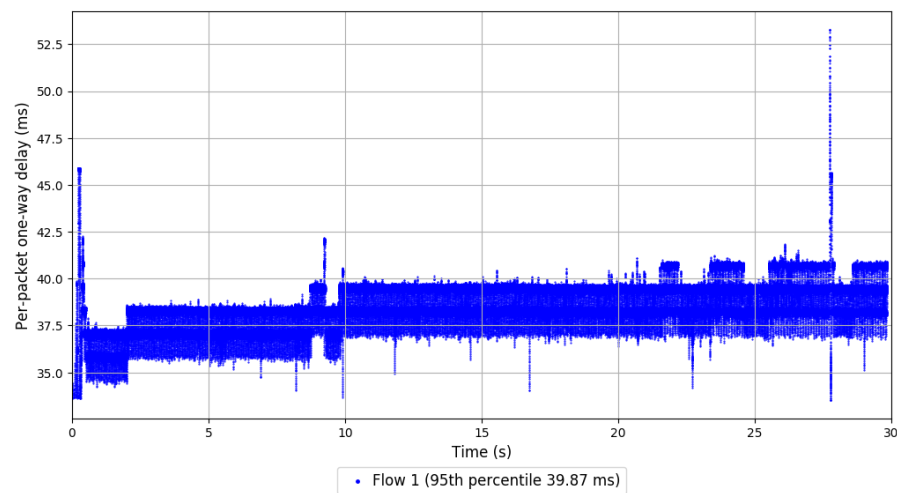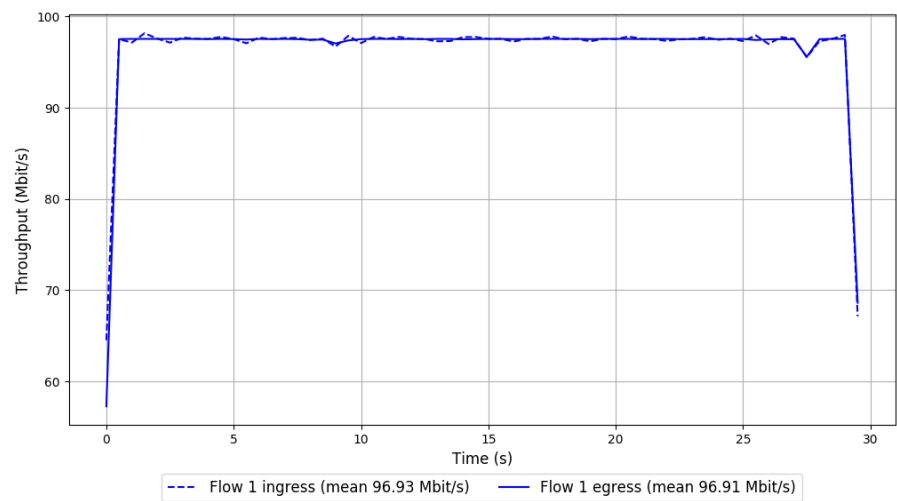

Flow 1 (95th percentile 39.04 ms)

```
Run 4: Statistics of Indigo

Start at: 2018-01-08 19:51:29
End at: 2018-01-08 19:51:59
Local clock offset: 10.732 ms
Remote clock offset: -11.855 ms


# Below is generated by plot.py at 2018-01-09 01:23:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 39.869 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 39.869 ms
Loss rate: 0.11%
```

Run 4: Report of Indigo — Data Link
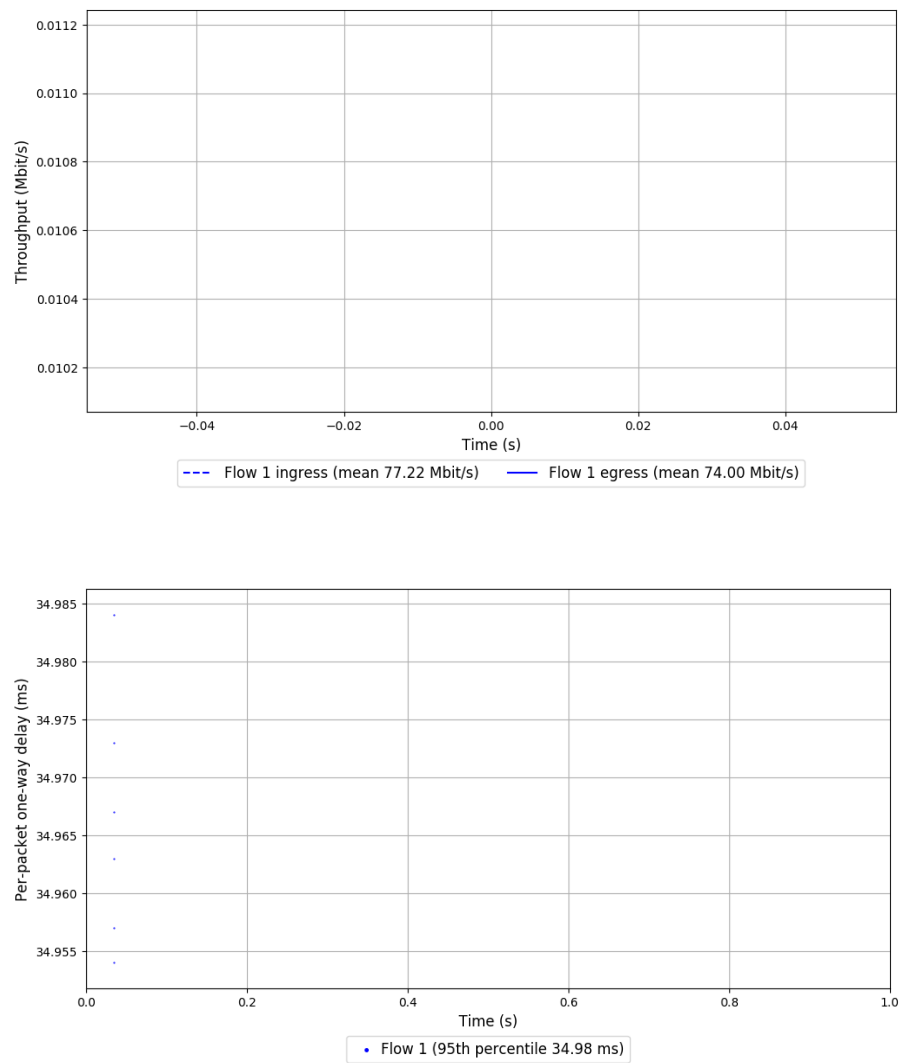
```
Run 5: Statistics of Indigo

Start at: 2018-01-08 20:09:34
End at: 2018-01-08 20:10:04
Local clock offset: 9.608 ms
Remote clock offset: -14.844 ms
```

Run 5: Report of Indigo — Data Link
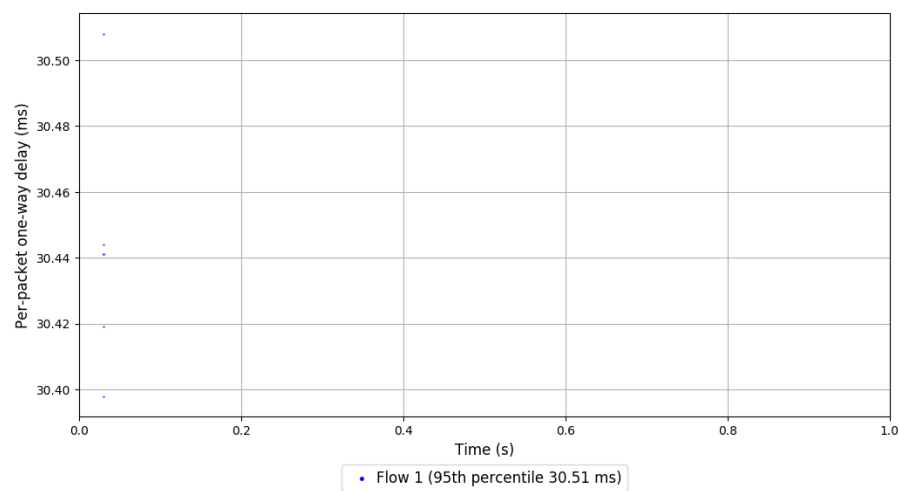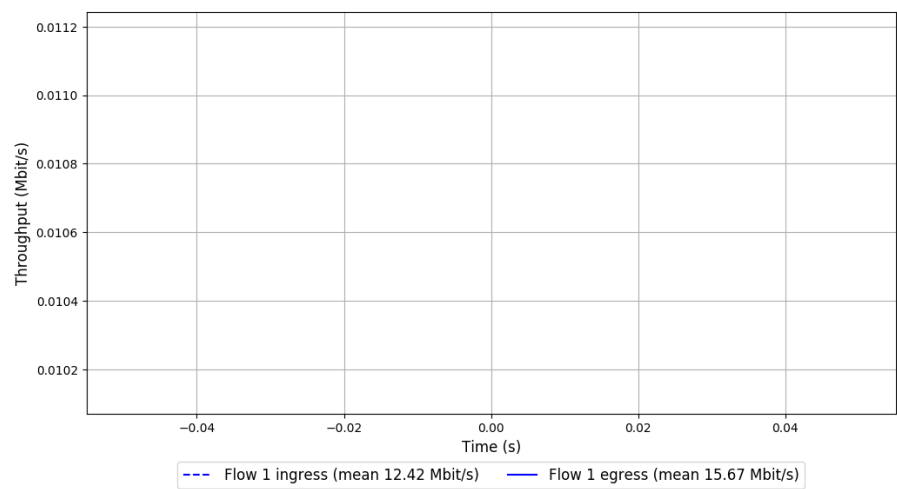
Run 6: Statistics of Indigo

Start at: 2018-01-08 20:27:49
End at: 2018-01-08 20:28:19
Local clock offset: 5.914 ms
Remote clock offset: -15.724 ms

Run 6: Report of Indigo — Data Link

Flow 1 ingress (mean 12.42 Mbit/s)   Flow 1 egress (mean 15.67 Mbit/s)
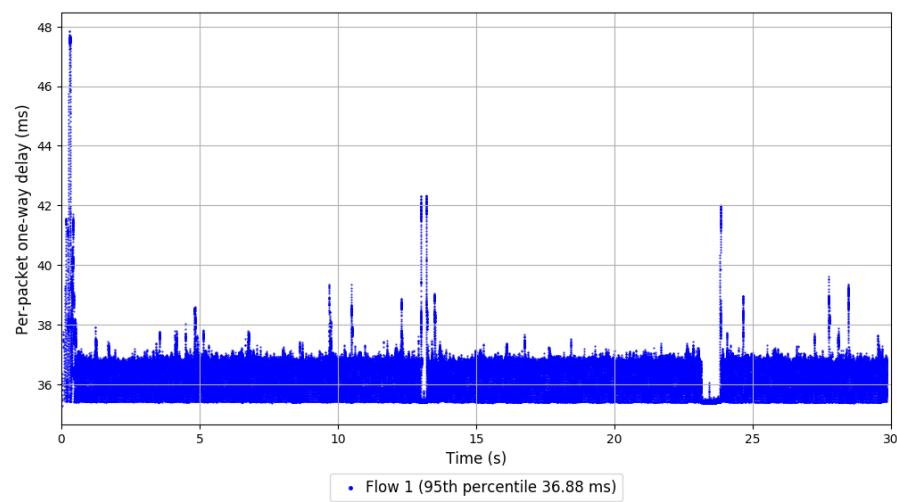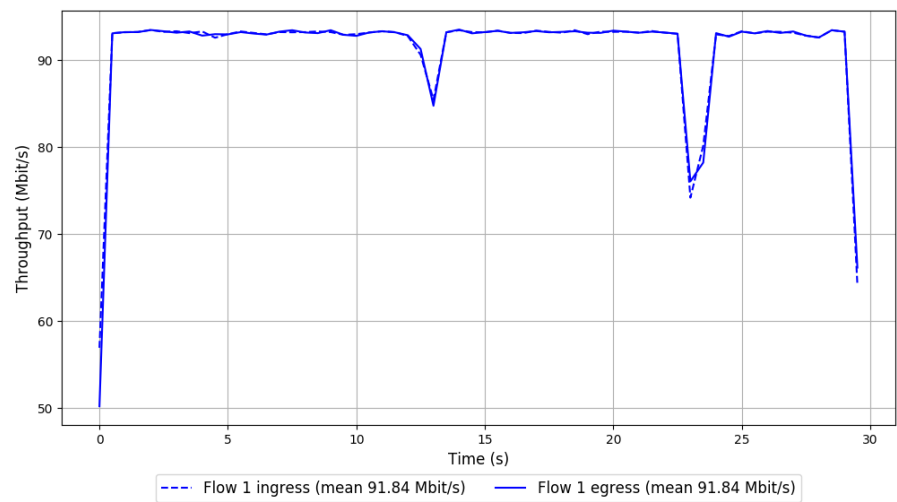

Flow 1 (95th percentile 30.51 ms)

```
Run 7: Statistics of Indigo

Start at: 2018-01-08 20:45:32
End at: 2018-01-08 20:46:02
Local clock offset: 12.096 ms
Remote clock offset: -15.796 ms


# Below is generated by plot.py at 2018-01-09 01:23:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 36.879 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 36.879 ms
Loss rate: 0.09%
```
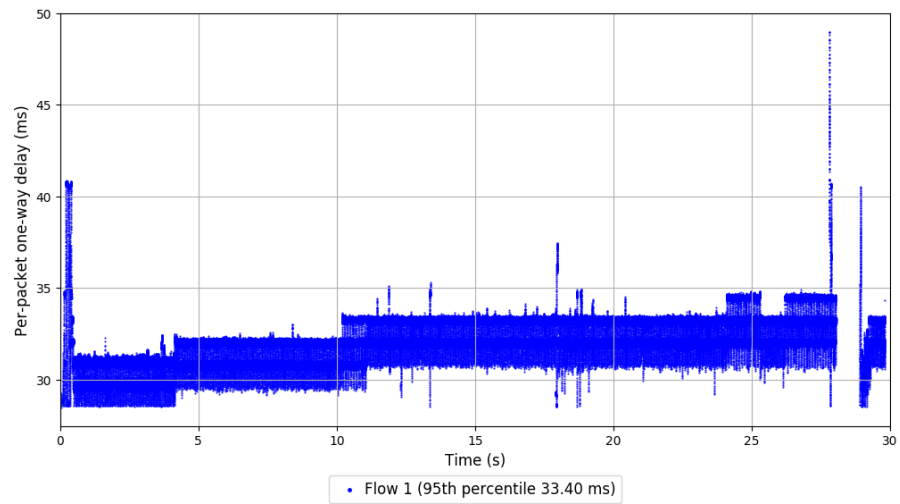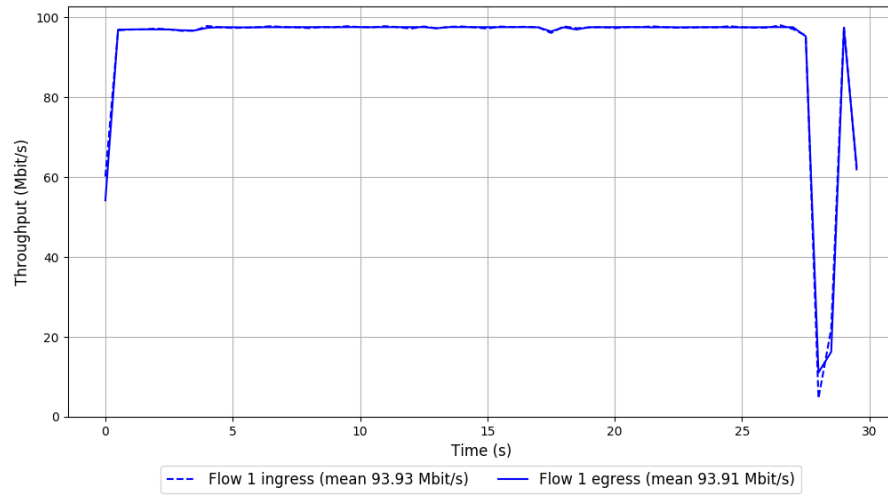
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-01-08 21:03:10
End at: 2018-01-08 21:03:40
Local clock offset: 6.543 ms
Remote clock offset: -16.194 ms


# Below is generated by plot.py at 2018-01-09 01:23:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 33.401 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 33.401 ms
Loss rate: 0.10%
```

Run 8: Report of Indigo — Data Link

Flow 1 ingress (mean 93.93 Mbit/s) ----- Flow 1 egress (mean 93.91 Mbit/s)
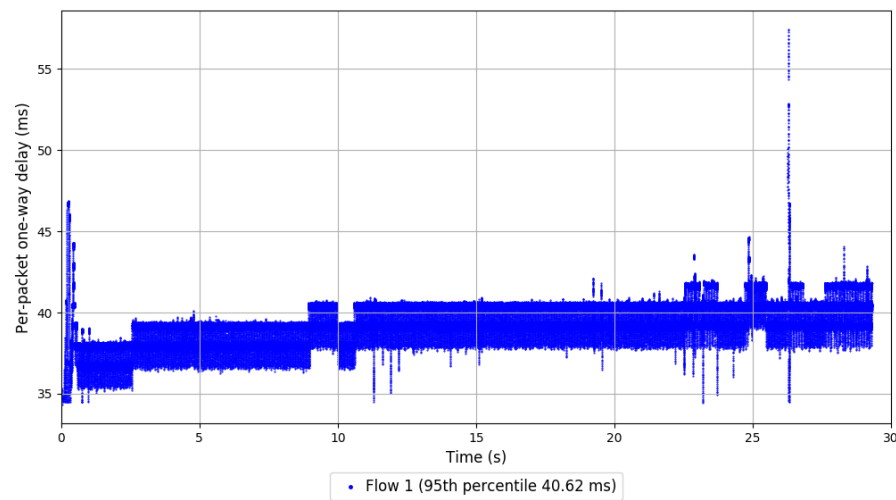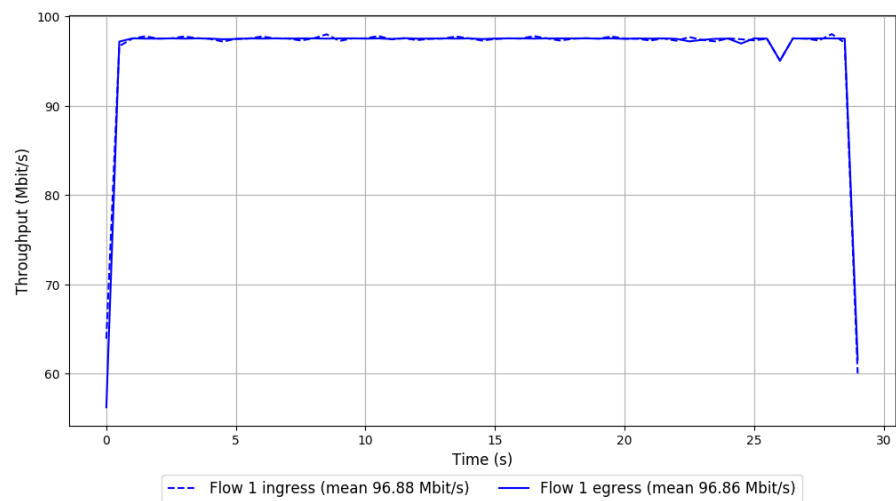

Flow 1 (95th percentile 33.40 ms)

```
Run 9: Statistics of Indigo

Start at: 2018-01-08 21:20:53
End at: 2018-01-08 21:21:23
Local clock offset: 11.544 ms
Remote clock offset: -17.278 ms


# Below is generated by plot.py at 2018-01-09 01:23:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 40.624 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 40.624 ms
Loss rate: 0.11%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2018-01-08 21:38:50
End at: 2018-01-08 21:39:20
Local clock offset: 5.001 ms
Remote clock offset: -19.62 ms
```

Run 10: Report of Indigo — Data Link

--- Flow 1 ingress (mean 17.02 Mbit/s)   —— Flow 1 egress (mean 25.86 Mbit/s)

· Flow 1 (95th percentile 29.35 ms)