Pantheon Report

Generated at 2017-11-30 14:55:57 (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.

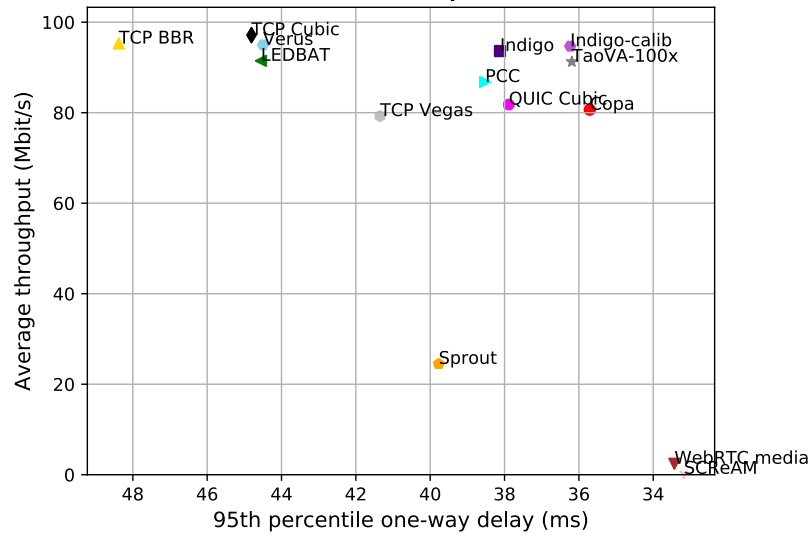Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

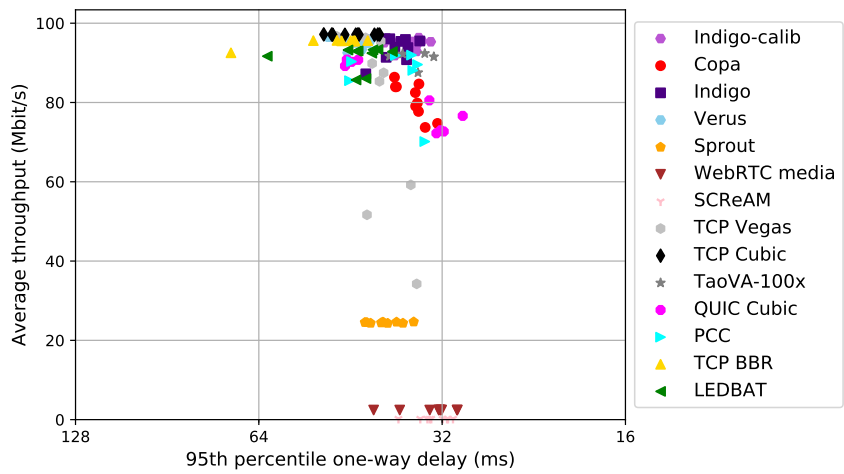NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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

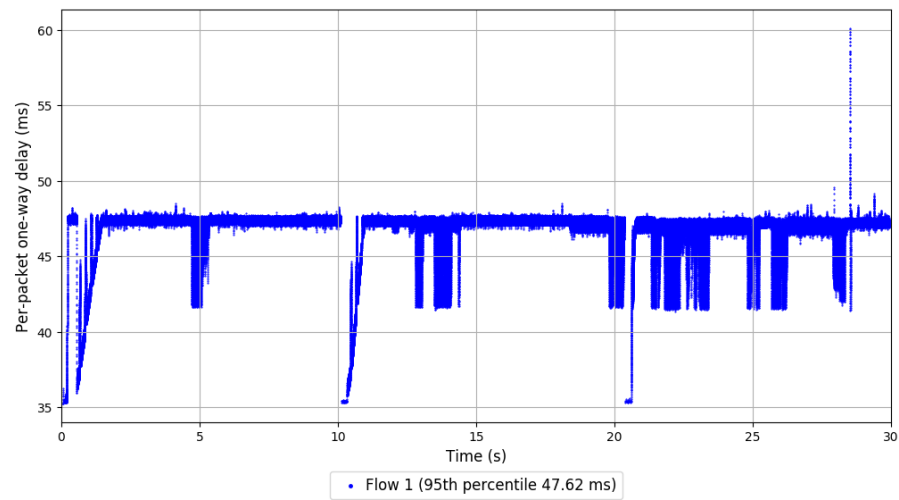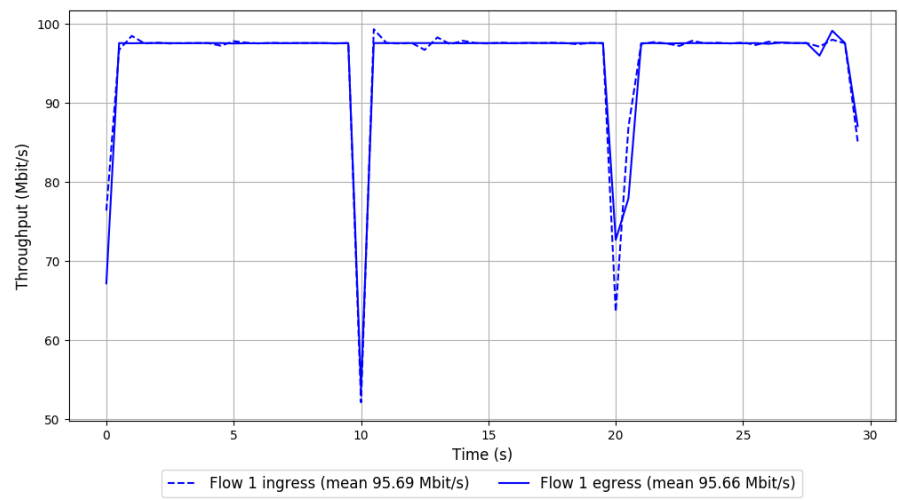| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.27	48.38	0.11
TCP Cubic	10	97.13	44.81	0.12
LEDBAT	10	91.45	44.56	0.12
PCC	7	86.78	38.52	0.09
QUIC Cubic	9	81.79	37.89	0.09
SCReAM	9	0.21	33.17	0.06
WebRTC media	10	2.42	33.43	0.07
Sprout	10	24.49	39.77	0.09
TaoVA-100x	6	91.25	36.19	0.10
TCP Vegas	10	79.25	41.35	0.12
Verus	10	94.98	44.50	0.13
Copa	10	80.66	35.71	0.08
Indigo	10	93.62	38.12	0.11
Indigo-calib	10	94.70	36.23	0.10

```
Run 1: Statistics of TCP BBR

Start at: 2017-11-30 08:56:43
End at: 2017-11-30 08:57:13
Local clock offset: -14.524 ms
Remote clock offset: -19.694 ms


# Below is generated by plot.py at 2017-11-30 14:37:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 52.073 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 52.073 ms
Loss rate: 0.13%
```
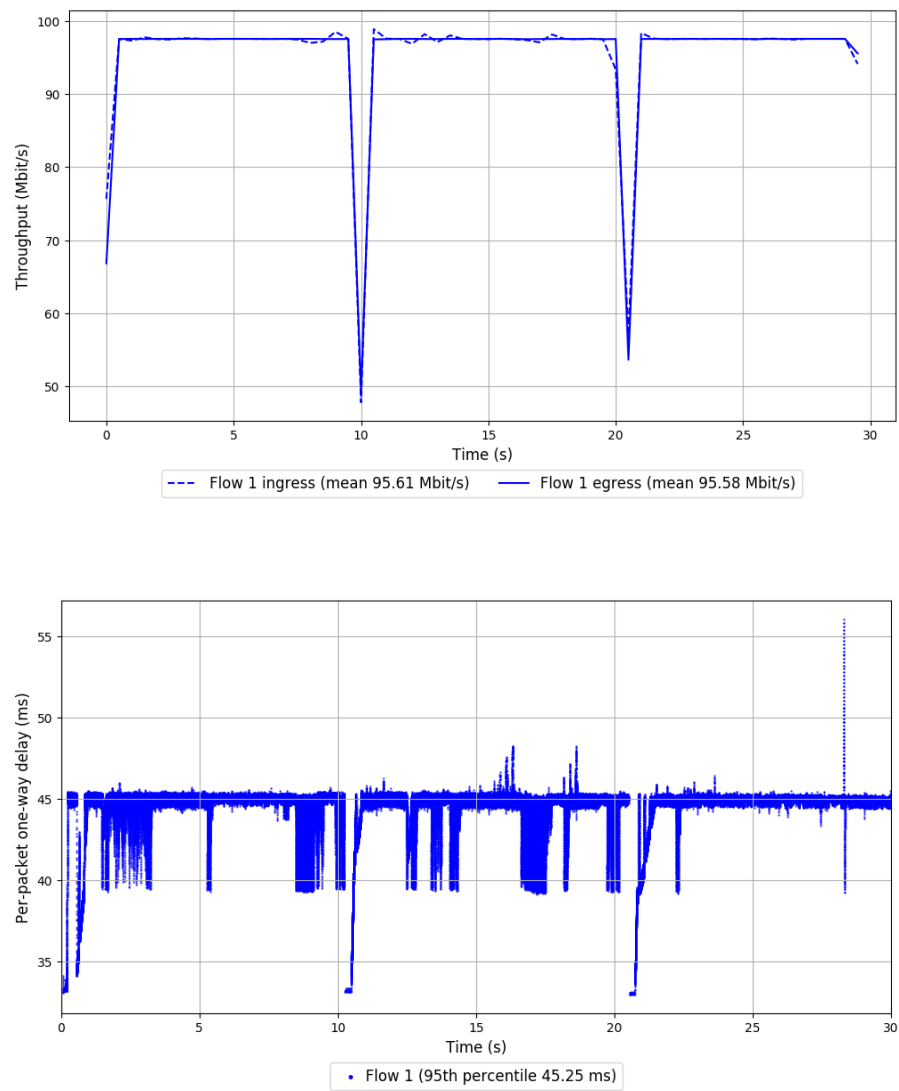
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2017-11-30 09:21:49
End at: 2017-11-30 09:22:19
Local clock offset: -10.148 ms
Remote clock offset: -19.97 ms


# Below is generated by plot.py at 2017-11-30 14:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 47.621 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 47.621 ms
Loss rate: 0.13%
```

Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2017-11-30 09:38:17
End at: 2017-11-30 09:38:47
Local clock offset: -6.141 ms
Remote clock offset: -20.048 ms


# Below is generated by plot.py at 2017-11-30 14:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 45.246 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 45.246 ms
Loss rate: 0.13%
```
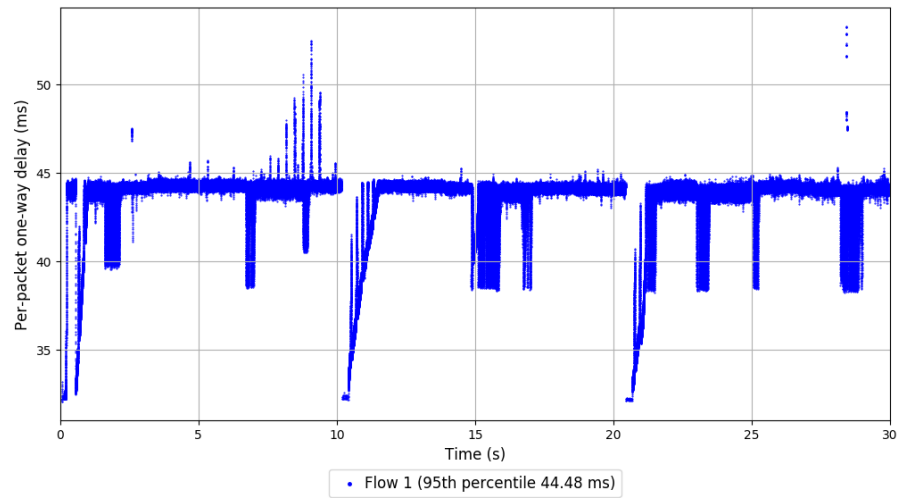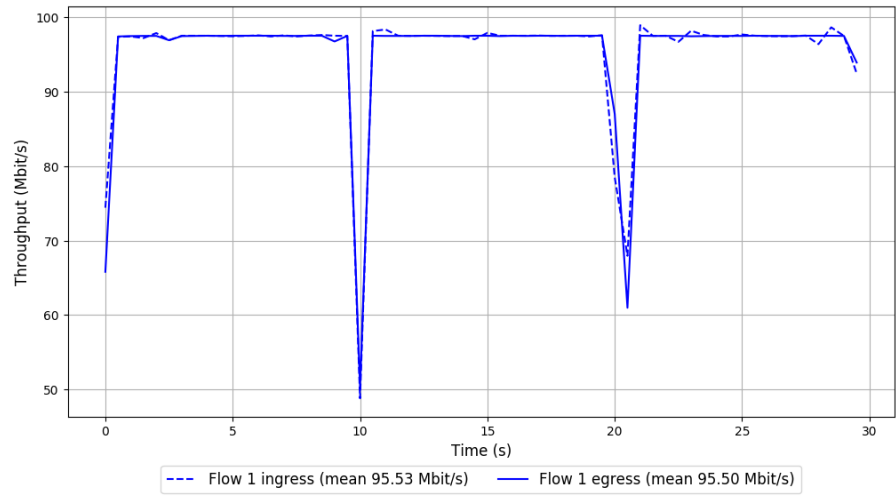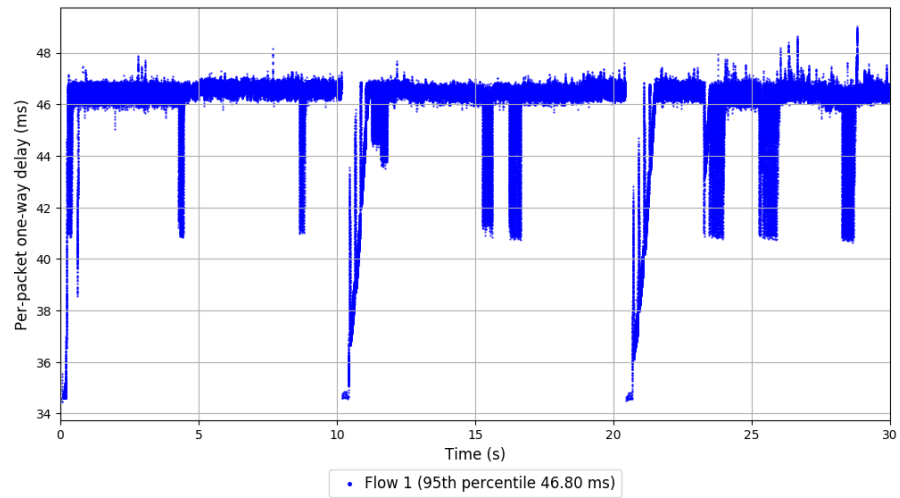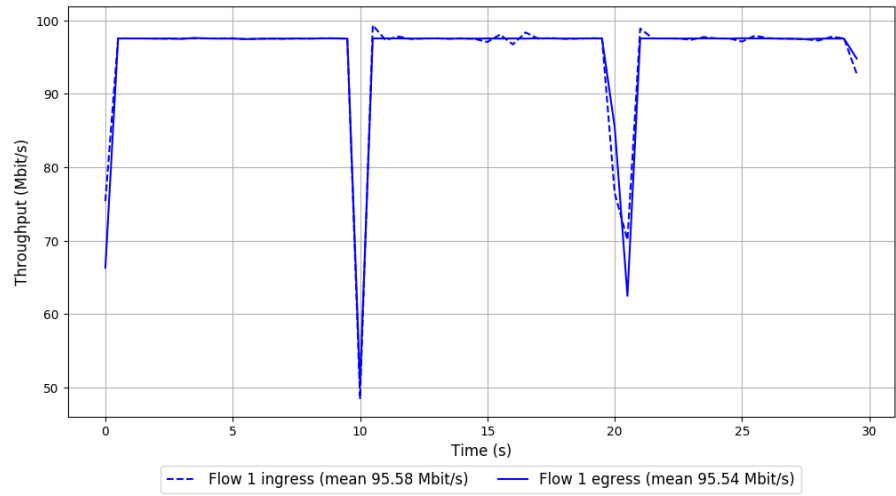
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.61 Mbit/s)   —— Flow 1 egress (mean 95.58 Mbit/s)

• Flow 1 (95th percentile 45.25 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2017-11-30 09:54:52
End at: 2017-11-30 09:55:22
Local clock offset: 2.157 ms
Remote clock offset: -19.37 ms


# Below is generated by plot.py at 2017-11-30 14:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 44.475 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 44.475 ms
Loss rate: 0.14%
```

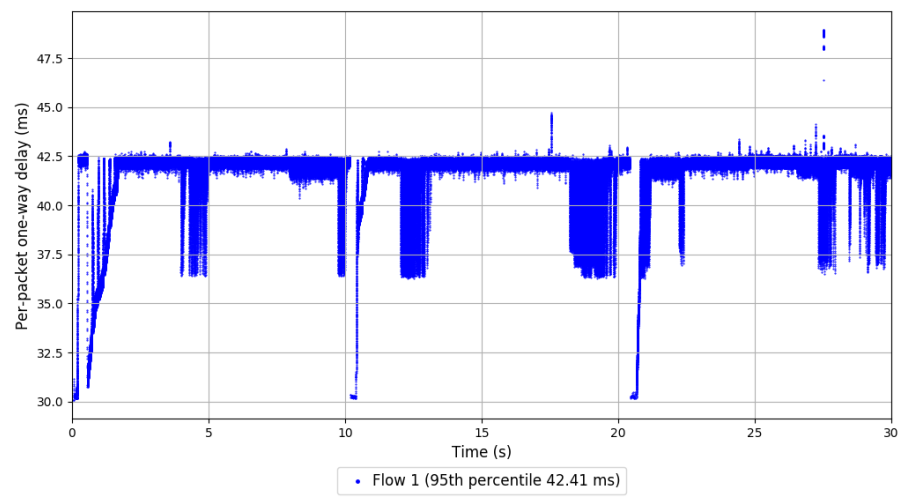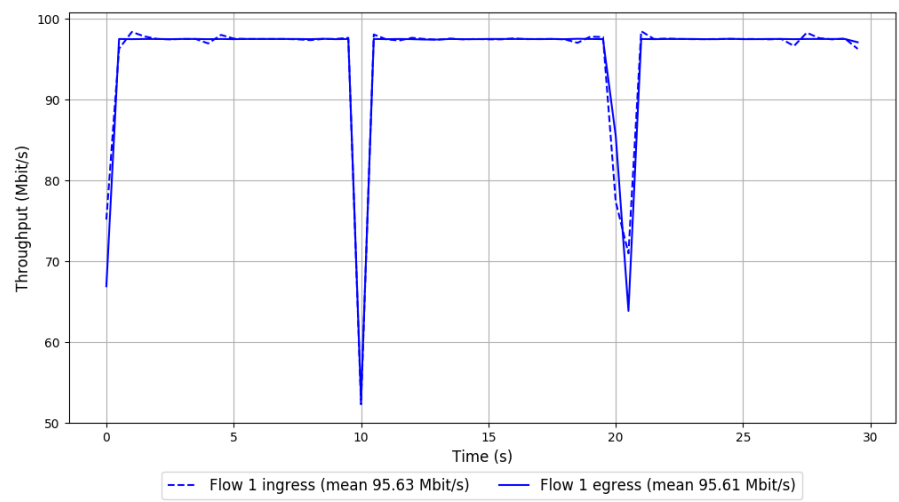Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2017-11-30 10:11:47
End at: 2017-11-30 10:12:17
Local clock offset: 5.635 ms
Remote clock offset: -20.674 ms


# Below is generated by plot.py at 2017-11-30 14:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 46.805 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 46.805 ms
Loss rate: 0.12%
```
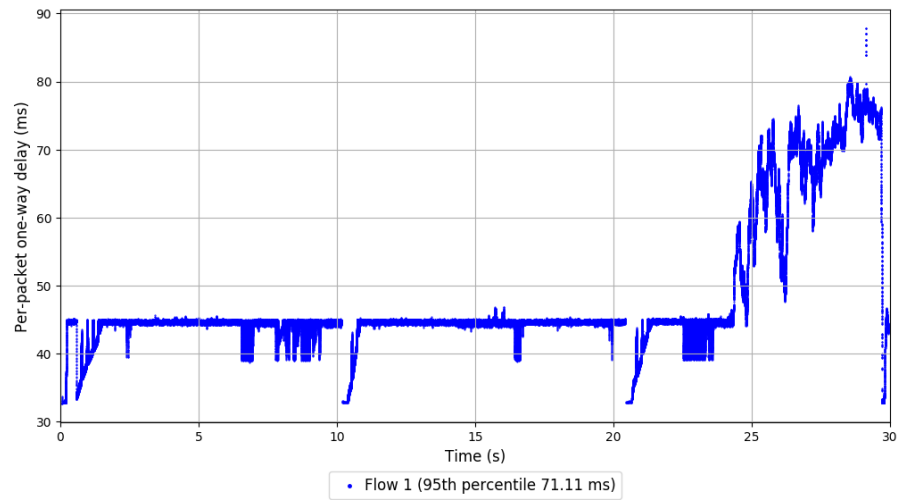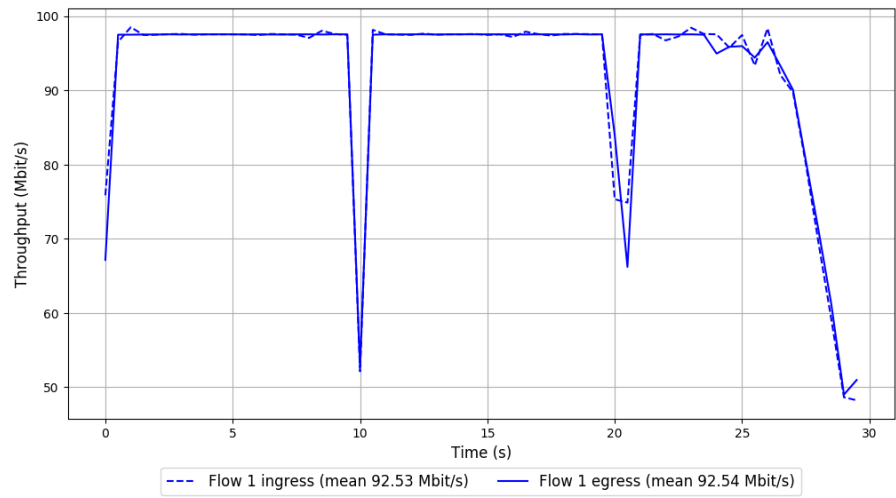
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.58 Mbit/s) ----- Flow 1 egress (mean 95.54 Mbit/s)

• Flow 1 (95th percentile 46.80 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: 2017-11-30 10:28:10
End at: 2017-11-30 10:28:40
Local clock offset: 5.219 ms
Remote clock offset: -18.673 ms


# Below is generated by plot.py at 2017-11-30 14:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 42.406 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 42.406 ms
Loss rate: 0.13%
```
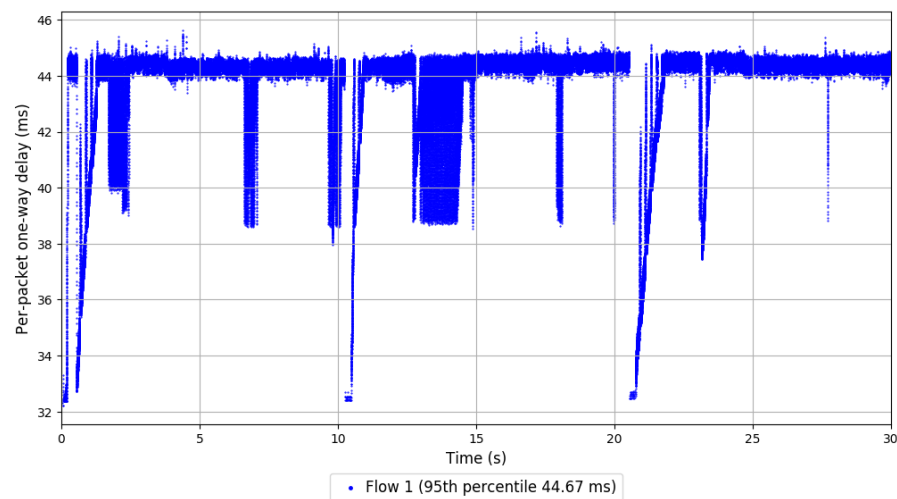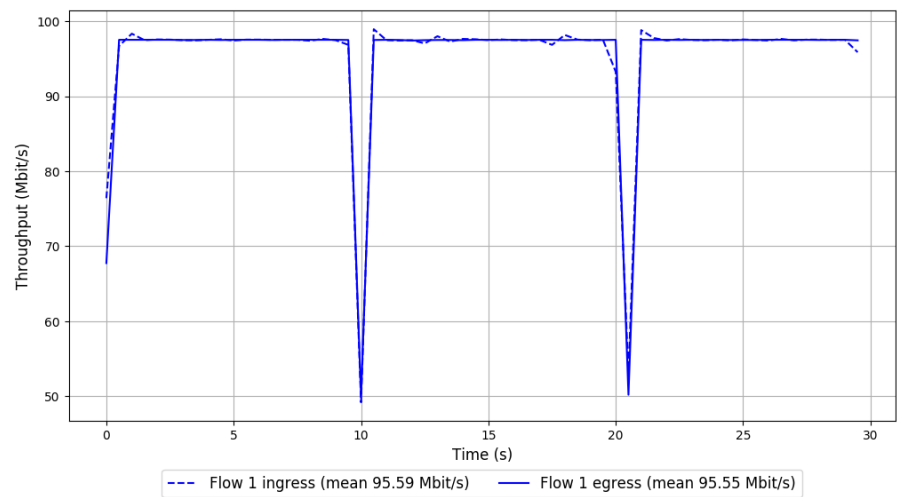
Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: 2017-11-30 10:44:47
End at: 2017-11-30 10:45:17
Local clock offset: 8.655 ms
Remote clock offset: -18.601 ms

# Below is generated by plot.py at 2017-11-30 14:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 71.115 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 71.115 ms
Loss rate: 0.08%
```

Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 92.53 Mbit/s)　　Flow 1 egress (mean 92.54 Mbit/s)

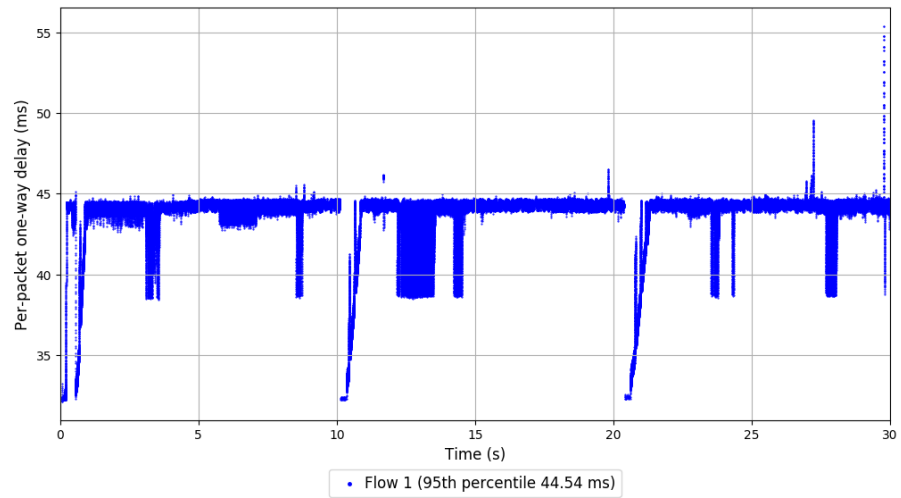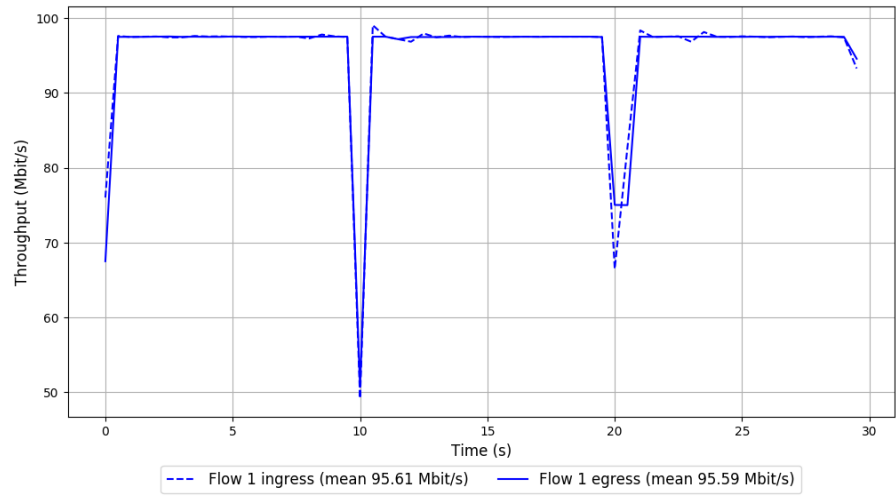Flow 1 (95th percentile 71.11 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2017-11-30 11:01:19
End at: 2017-11-30 11:01:49
Local clock offset: 6.093 ms
Remote clock offset: -18.515 ms


# Below is generated by plot.py at 2017-11-30 14:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 44.667 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 44.667 ms
Loss rate: 0.12%
```
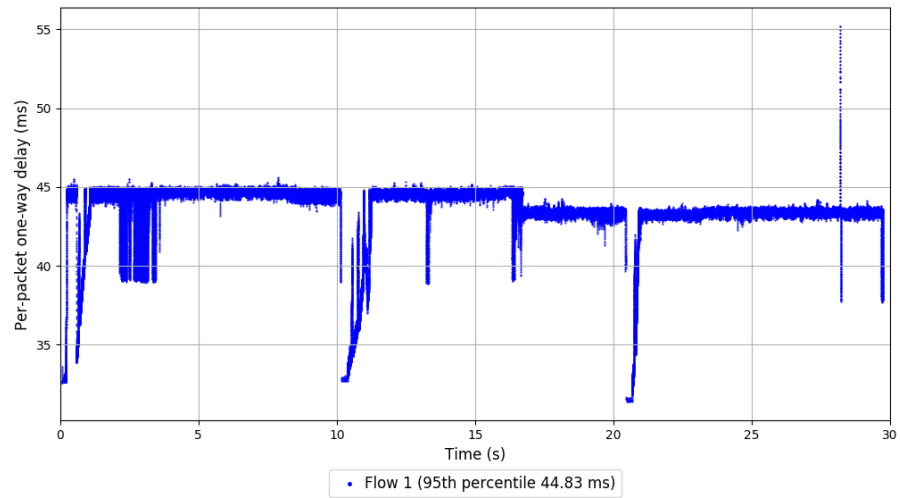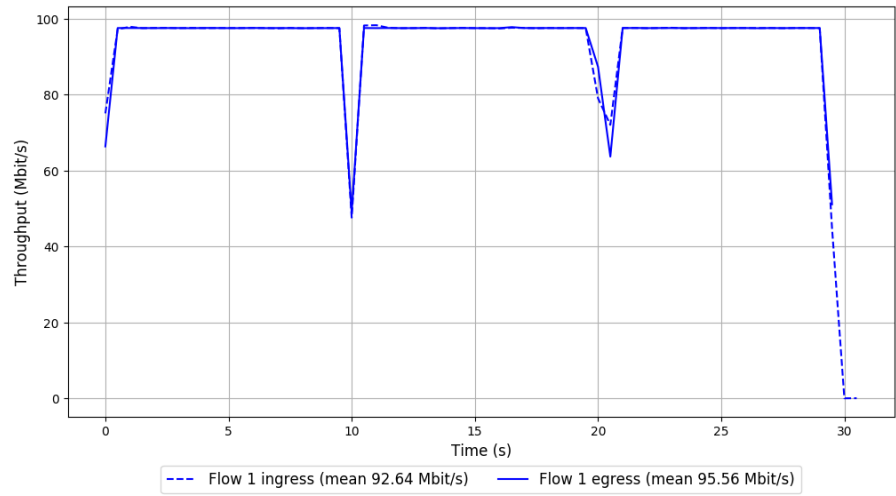
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.59 Mbit/s) —— Flow 1 egress (mean 95.55 Mbit/s)

• Flow 1 (95th percentile 44.67 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-11-30 11:17:43
End at: 2017-11-30 11:18:13
Local clock offset: 3.496 ms
Remote clock offset: -18.715 ms


# Below is generated by plot.py at 2017-11-30 14:39:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 44.540 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 44.540 ms
Loss rate: 0.13%
```
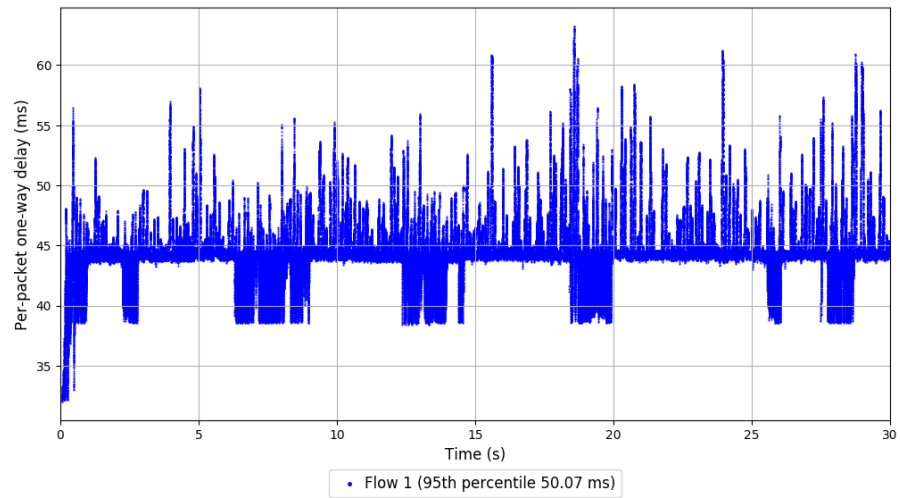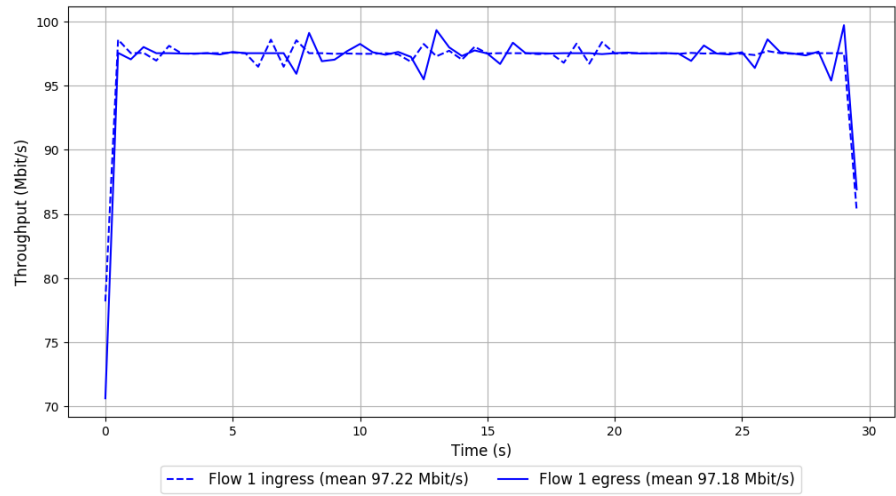
Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2017-11-30 11:34:14
End at: 2017-11-30 11:34:44
Local clock offset: 1.612 ms
Remote clock offset: -18.131 ms


# Below is generated by plot.py at 2017-11-30 14:39:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 44.833 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 44.833 ms
Loss rate: 0.04%
```
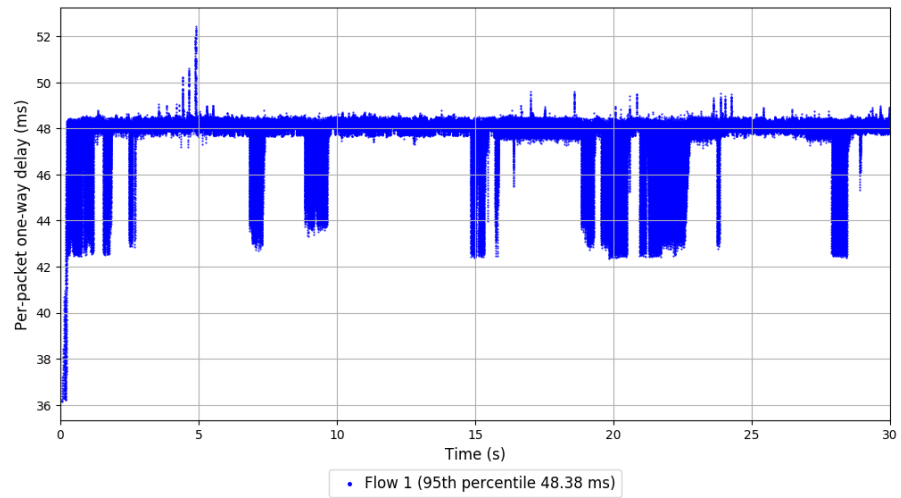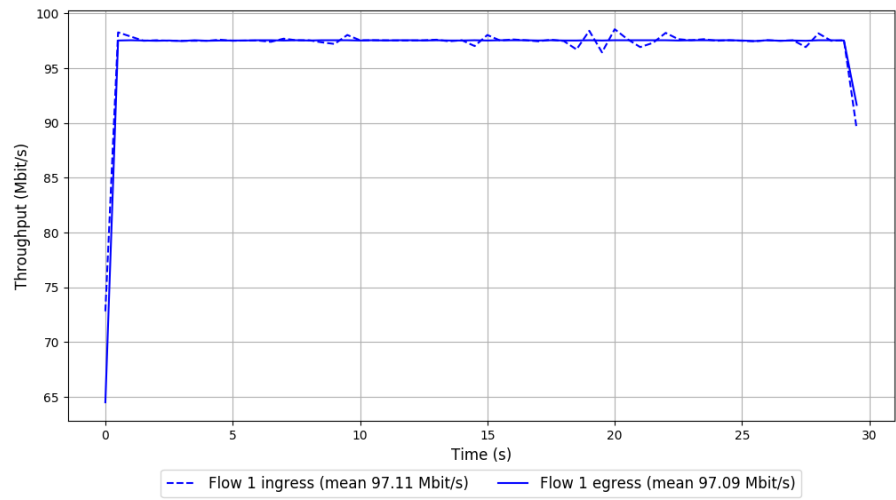
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2017-11-30 08:47:44
End at: 2017-11-30 08:48:14
Local clock offset: -13.252 ms
Remote clock offset: -21.426 ms

# Below is generated by plot.py at 2017-11-30 14:39:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 50.070 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 50.070 ms
Loss rate: 0.12%
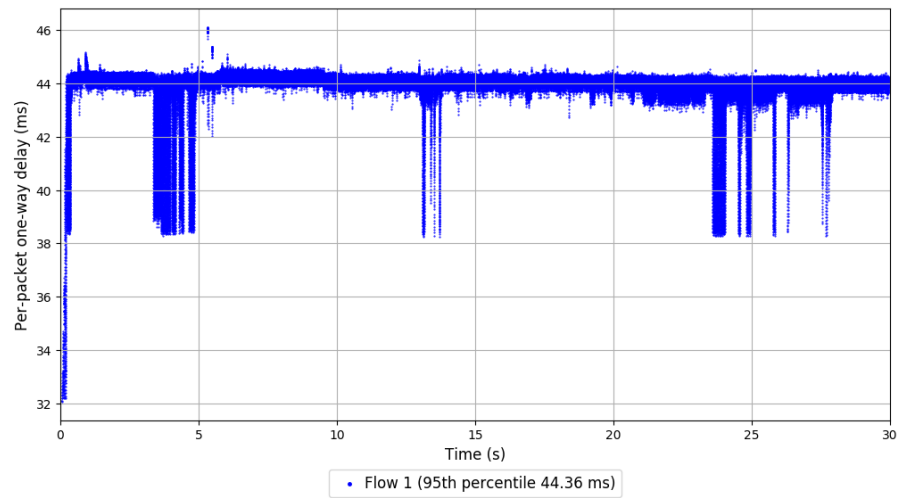```

Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-11-30 09:19:24
End at: 2017-11-30 09:19:54
Local clock offset: -10.997 ms
Remote clock offset: -21.457 ms


# Below is generated by plot.py at 2017-11-30 14:39:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 48.380 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 48.380 ms
Loss rate: 0.12%
```

Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.11 Mbit/s)　—— Flow 1 egress (mean 97.09 Mbit/s)

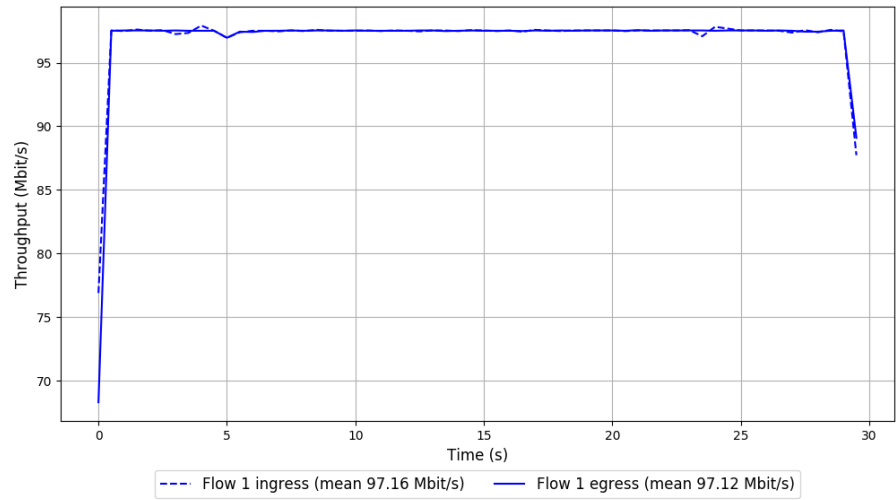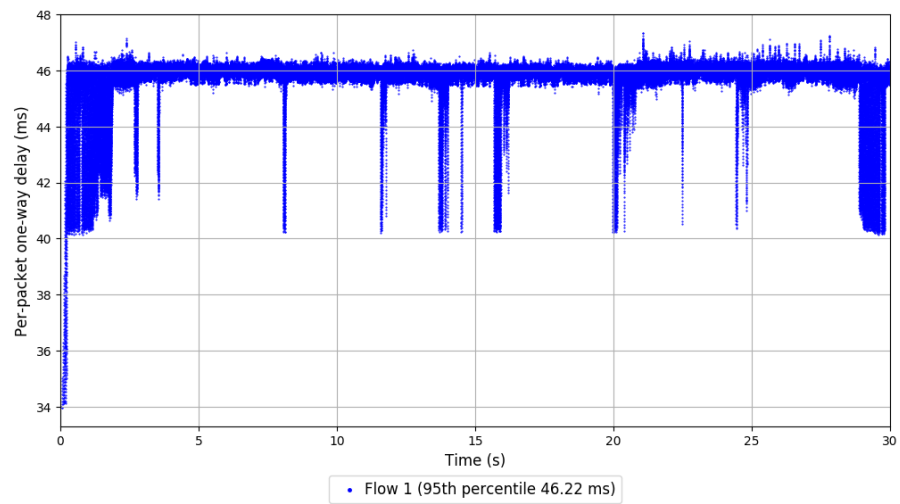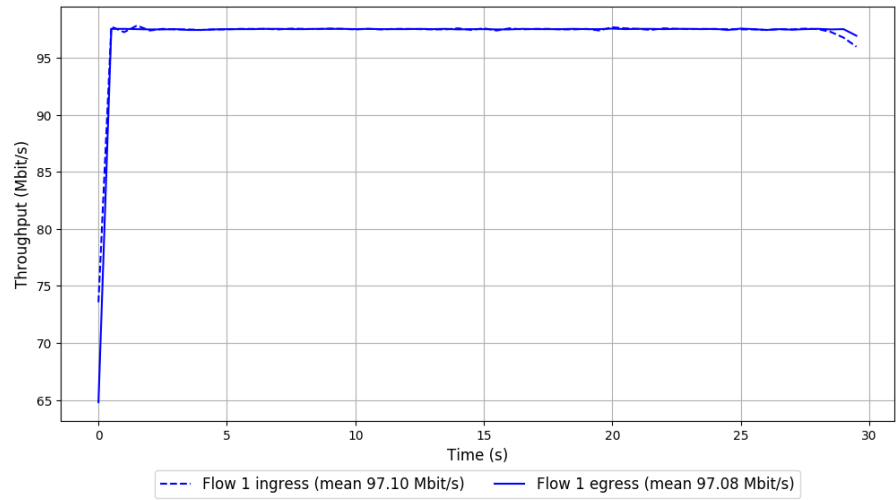

• Flow 1 (95th percentile 48.38 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2017-11-30 09:35:56
End at: 2017-11-30 09:36:27
Local clock offset: -8.44 ms
Remote clock offset: -19.806 ms


# Below is generated by plot.py at 2017-11-30 14:39:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 44.359 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 44.359 ms
Loss rate: 0.12%
```
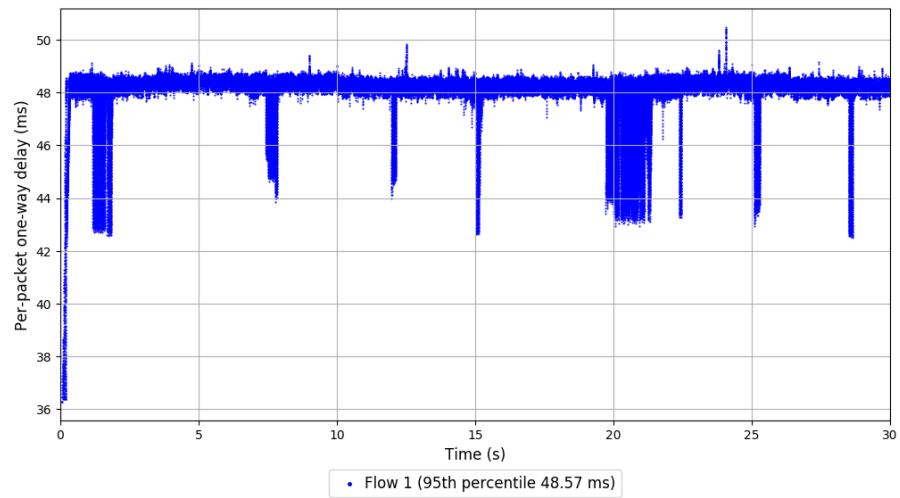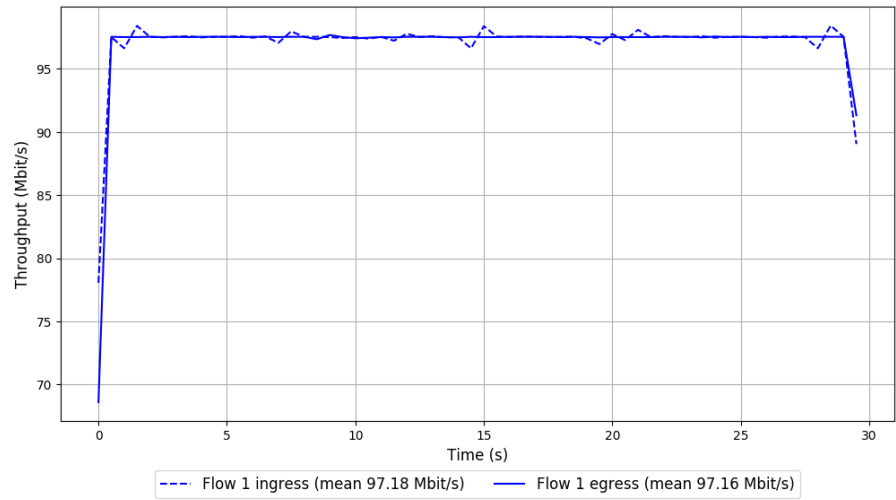
Run 3: Report of TCP Cubic — Data Link

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

• Flow 1 (95th percentile 44.36 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2017-11-30 09:52:27
End at: 2017-11-30 09:52:57
Local clock offset: 1.508 ms
Remote clock offset: -21.178 ms


# Below is generated by plot.py at 2017-11-30 14:39:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 46.217 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 46.217 ms
Loss rate: 0.12%
```
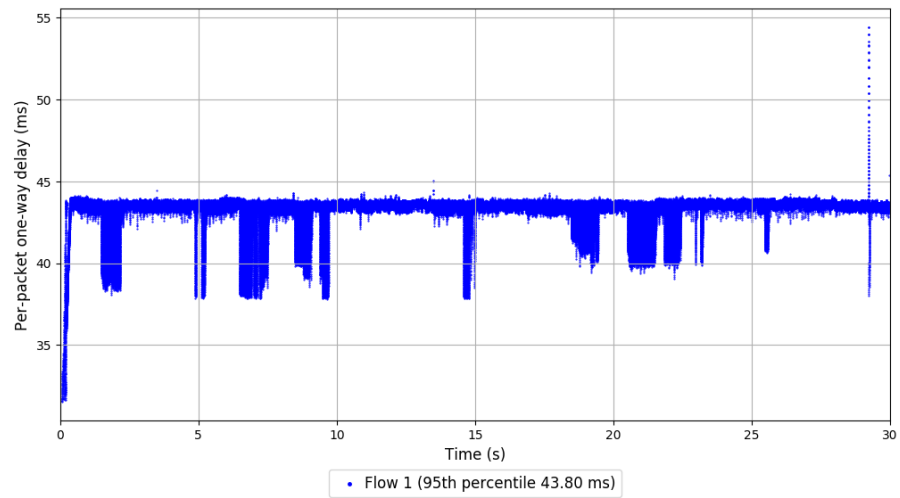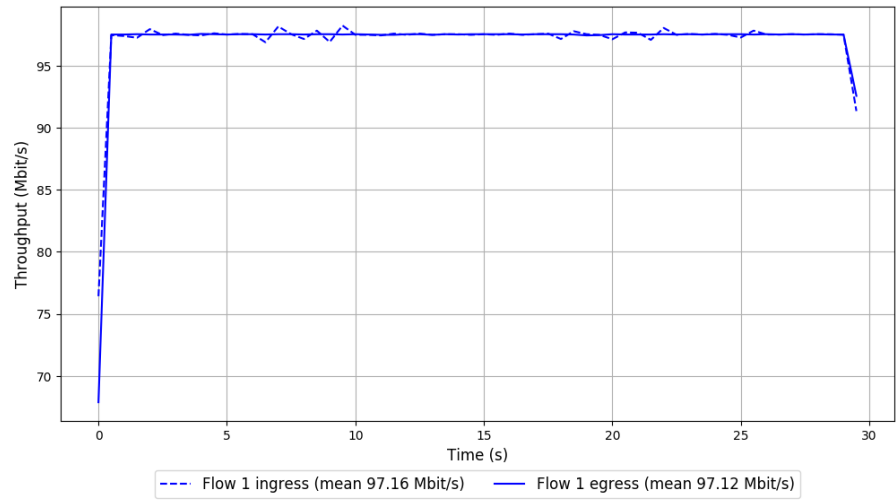
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2017-11-30 10:08:59
End at: 2017-11-30 10:09:29
Local clock offset: 5.179 ms
Remote clock offset: -22.616 ms


# Below is generated by plot.py at 2017-11-30 14:39:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 48.570 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 48.570 ms
Loss rate: 0.12%
```
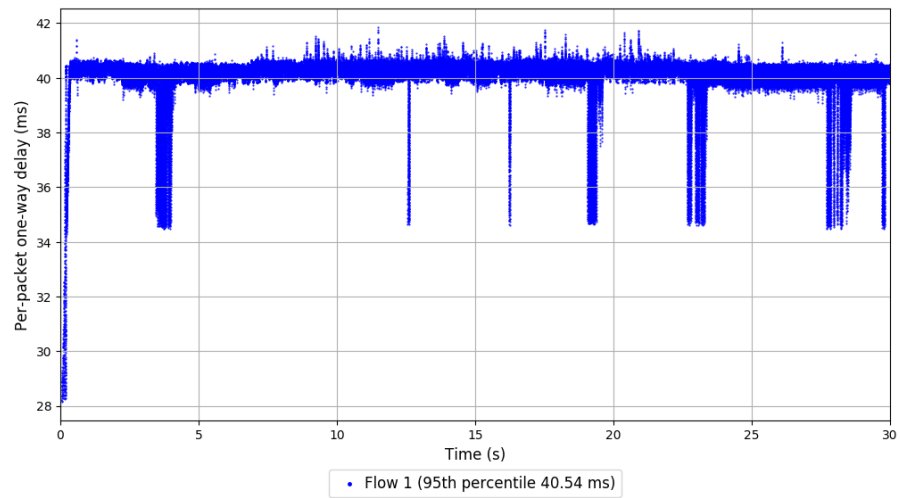
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2017-11-30 10:25:49
End at: 2017-11-30 10:26:19
Local clock offset: 8.14 ms
Remote clock offset: -16.899 ms


# Below is generated by plot.py at 2017-11-30 14:39:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 43.805 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 43.805 ms
Loss rate: 0.12%
```

Run 6: Report of TCP Cubic — Data Link

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

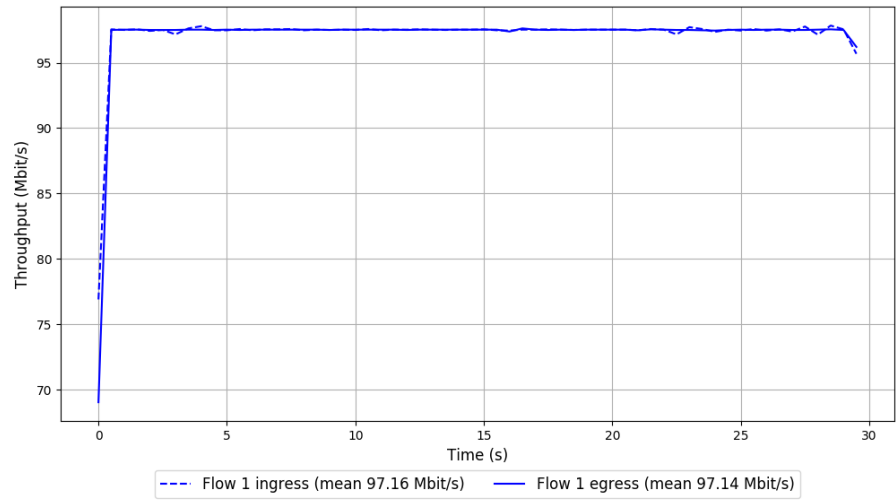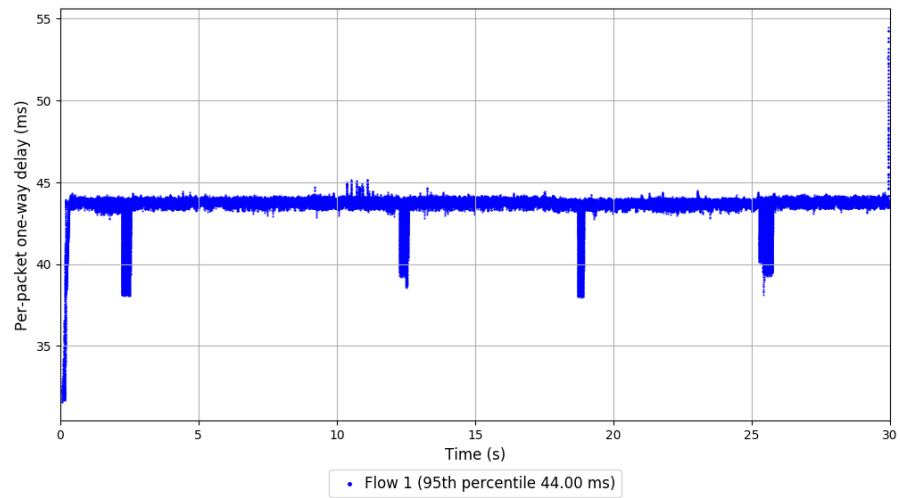
• Flow 1 (95th percentile 43.80 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2017-11-30 10:42:21
End at: 2017-11-30 10:42:51
Local clock offset: 5.836 ms
Remote clock offset: -16.832 ms


# Below is generated by plot.py at 2017-11-30 14:40:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 40.537 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 40.537 ms
Loss rate: 0.13%
```
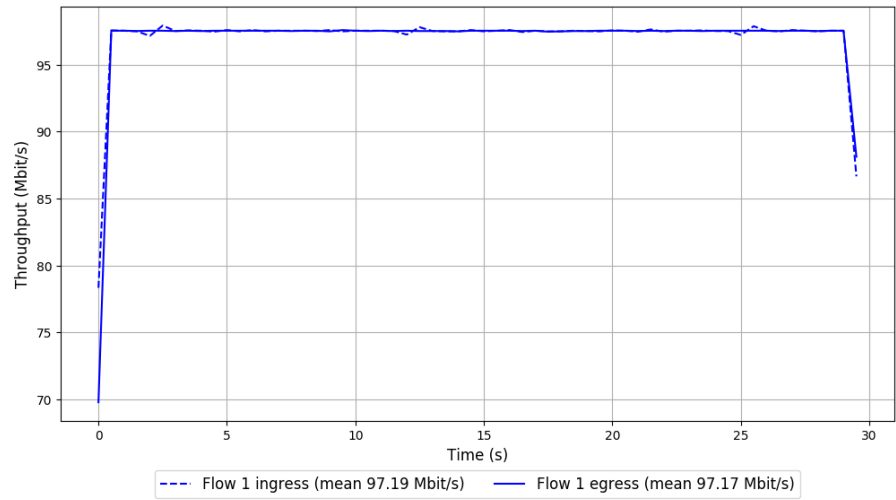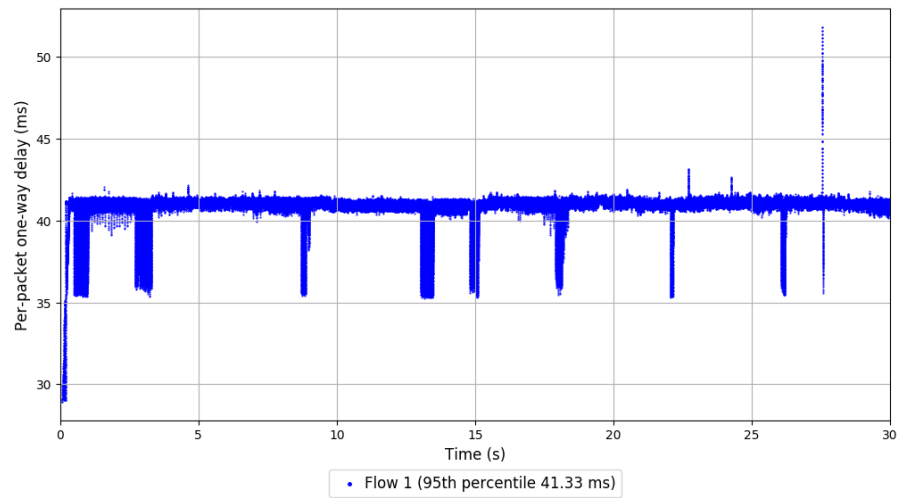
Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: 2017-11-30 10:58:56
End at: 2017-11-30 10:59:26
Local clock offset: 6.603 ms
Remote clock offset: -17.725 ms


# Below is generated by plot.py at 2017-11-30 14:40:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 44.002 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 44.002 ms
Loss rate: 0.12%
```

Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.19 Mbit/s)   Flow 1 egress (mean 97.17 Mbit/s)

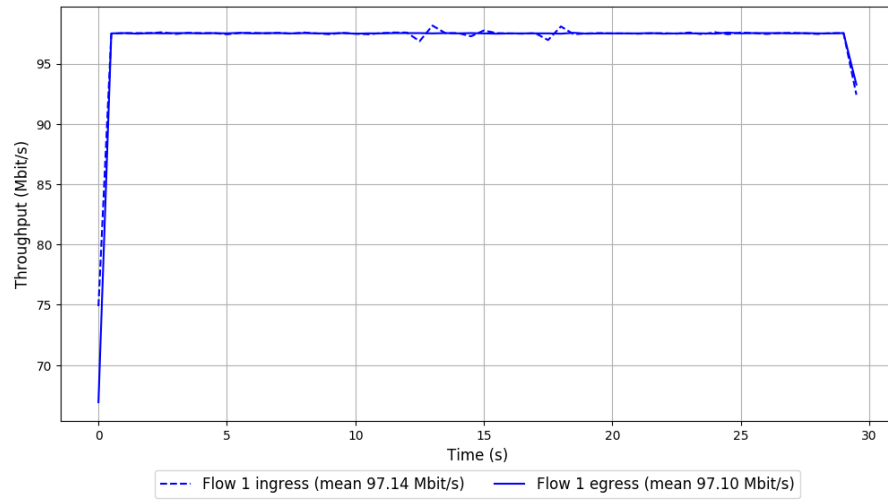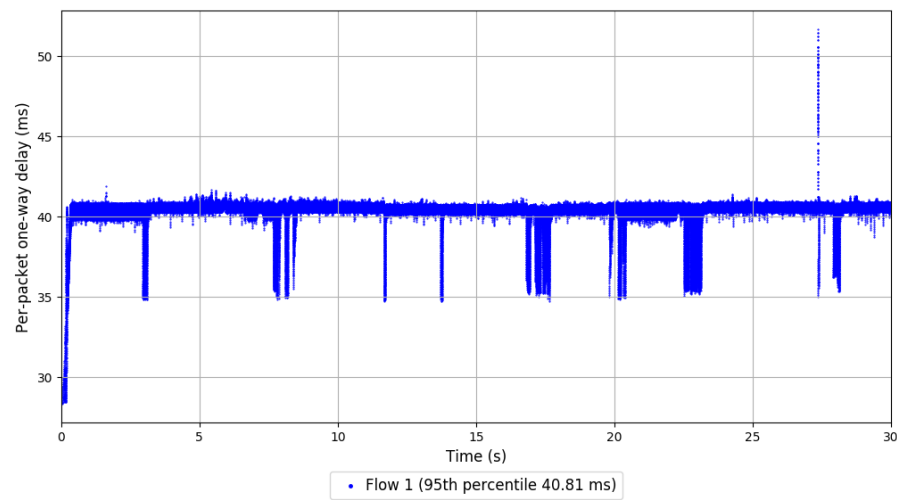Flow 1 (95th percentile 44.00 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2017-11-30 11:15:22
End at: 2017-11-30 11:15:52
Local clock offset: 1.041 ms
Remote clock offset: -18.098 ms


# Below is generated by plot.py at 2017-11-30 14:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 41.330 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 41.330 ms
Loss rate: 0.12%
```
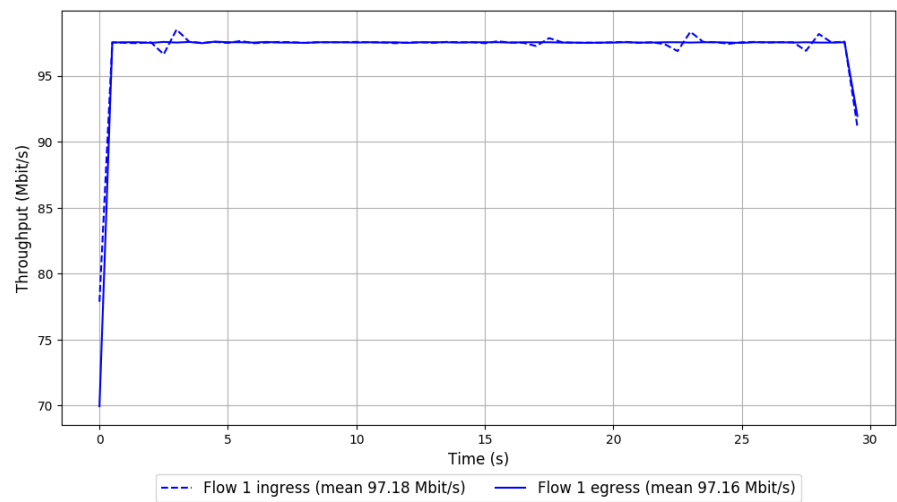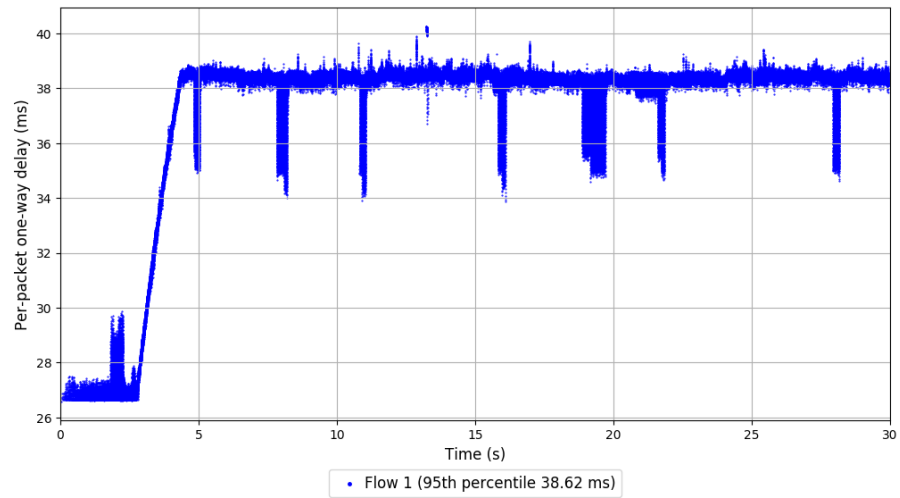
Run 9: Report of TCP Cubic — Data Link

```
Run 10: Statistics of TCP Cubic

Start at: 2017-11-30 11:31:46
End at: 2017-11-30 11:32:16
Local clock offset: -0.99 ms
Remote clock offset: -18.048 ms


# Below is generated by plot.py at 2017-11-30 14:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 40.815 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 40.815 ms
Loss rate: 0.12%
```

Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.18 Mbit/s)   —— Flow 1 egress (mean 97.16 Mbit/s)
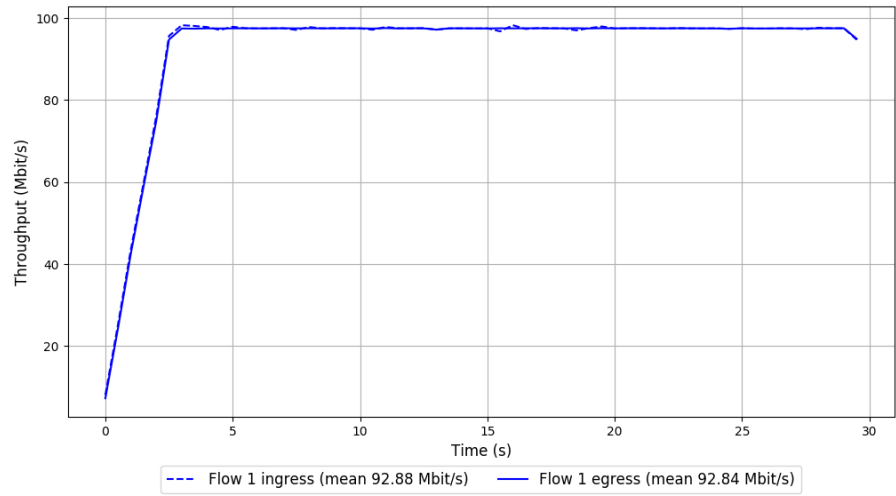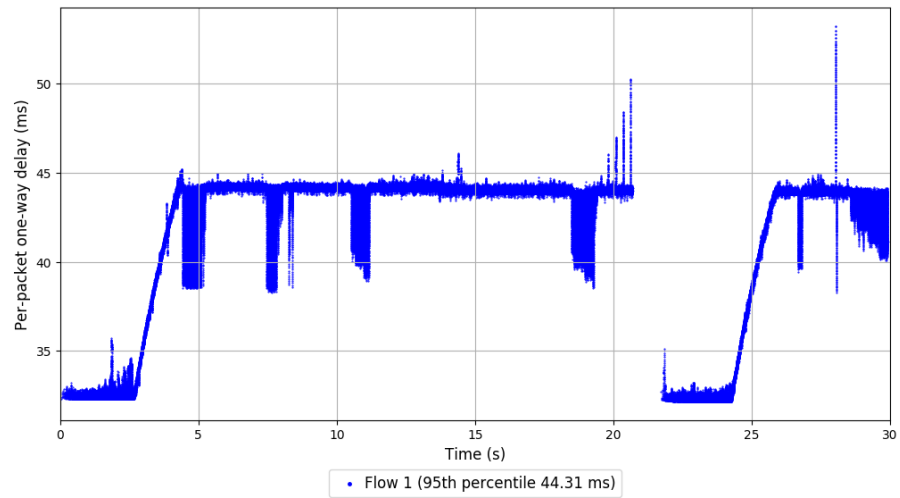

• Flow 1 (95th percentile 40.81 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2017-11-30 09:11:42
End at: 2017-11-30 09:12:12
Local clock offset: -13.76 ms
Remote clock offset: -13.387 ms

# Below is generated by plot.py at 2017-11-30 14:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 38.622 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 38.622 ms
Loss rate: 0.13%
```

Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 92.88 Mbit/s)   —— Flow 1 egress (mean 92.84 Mbit/s)

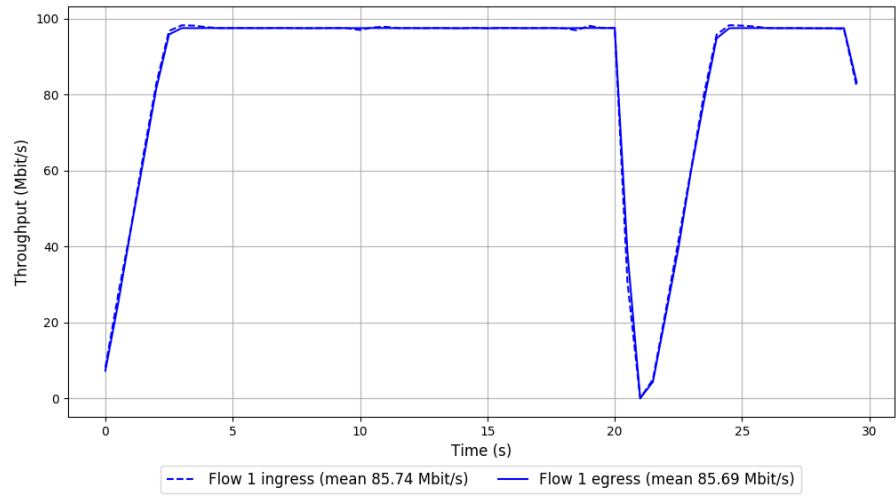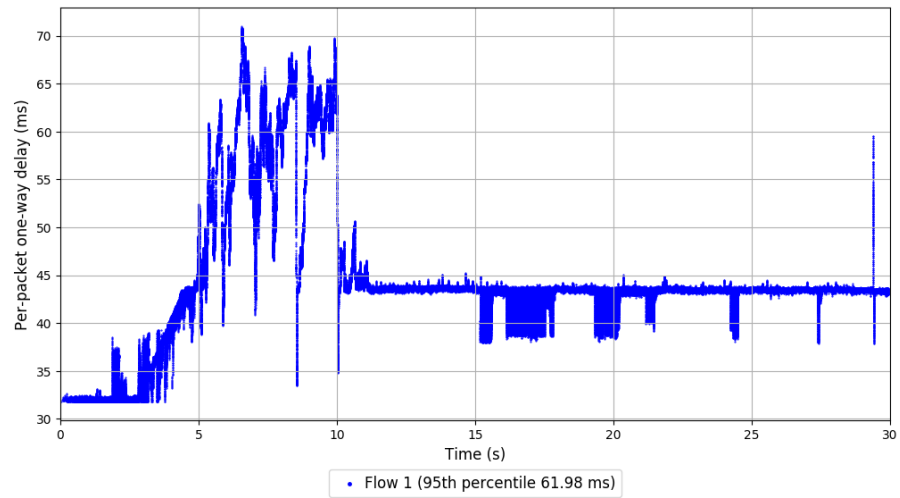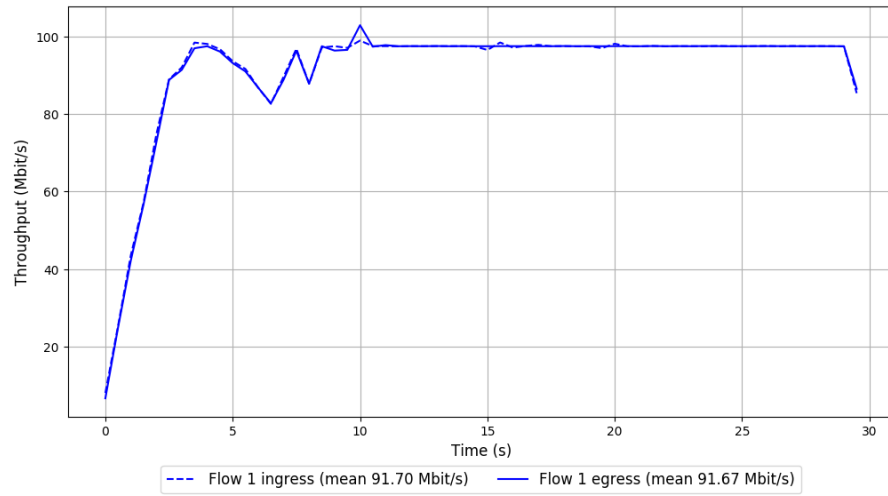• Flow 1 (95th percentile 38.62 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2017-11-30 09:28:44
End at: 2017-11-30 09:29:14
Local clock offset: -11.33 ms
Remote clock offset: -20.301 ms


# Below is generated by plot.py at 2017-11-30 14:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 44.312 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 44.312 ms
Loss rate: 0.16%
```
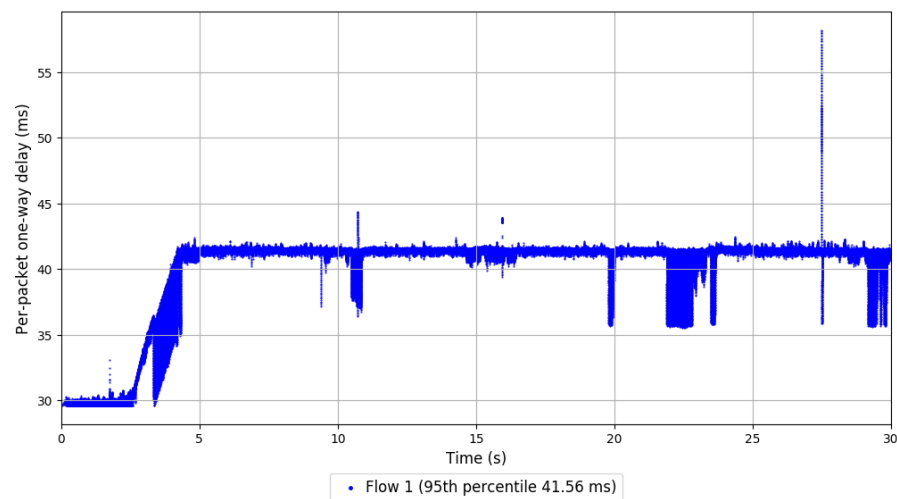
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2017-11-30 09:45:07
End at: 2017-11-30 09:45:37
Local clock offset: -2.975 ms
Remote clock offset: -19.597 ms


# Below is generated by plot.py at 2017-11-30 14:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 61.985 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 61.985 ms
Loss rate: 0.13%
```

Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 91.70 Mbit/s)   Flow 1 egress (mean 91.67 Mbit/s)

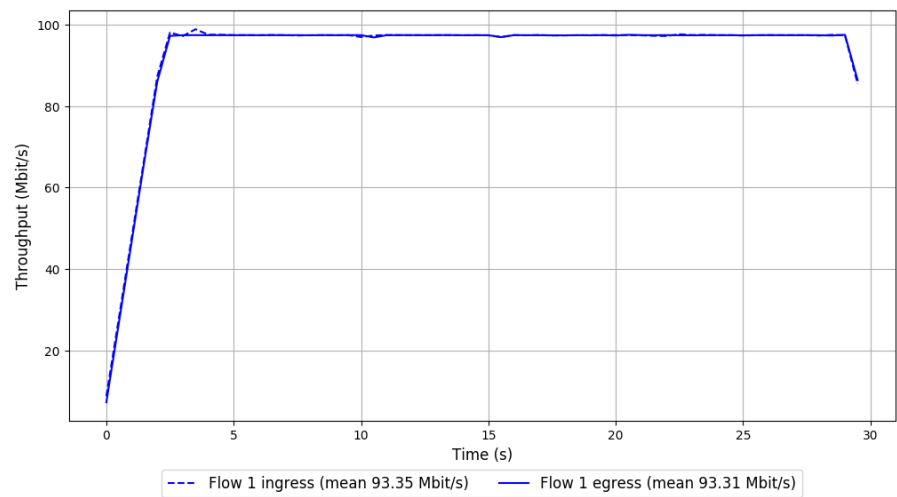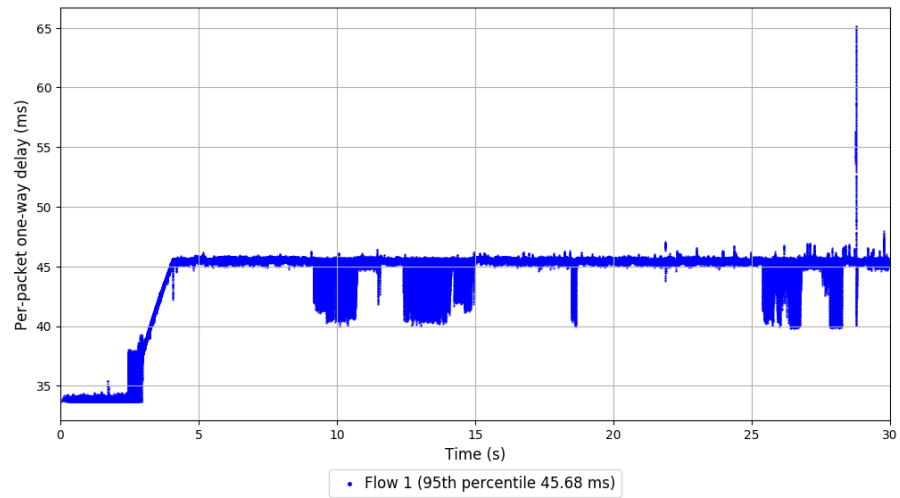Flow 1 (95th percentile 61.98 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2017-11-30 10:01:48
End at: 2017-11-30 10:02:18
Local clock offset: 1.056 ms
Remote clock offset: -19.292 ms


# Below is generated by plot.py at 2017-11-30 14:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 41.565 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 41.565 ms
Loss rate: 0.13%
```

Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 93.35 Mbit/s) --- Flow 1 egress (mean 93.31 Mbit/s)

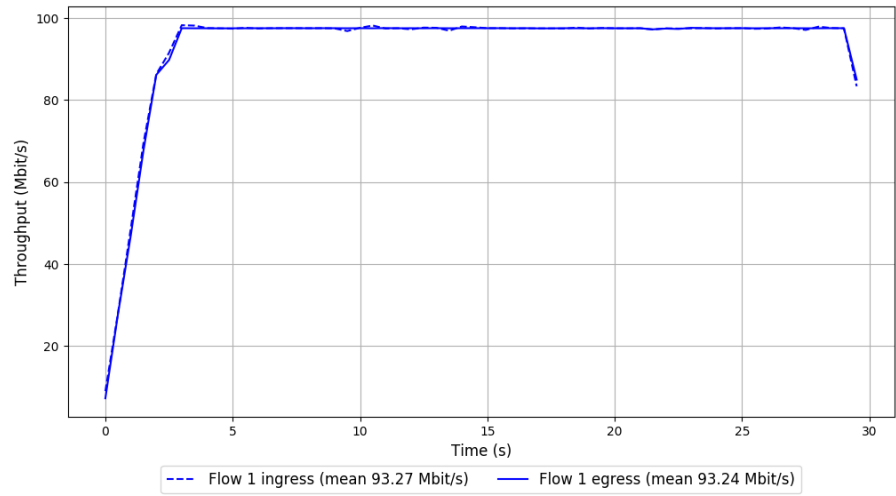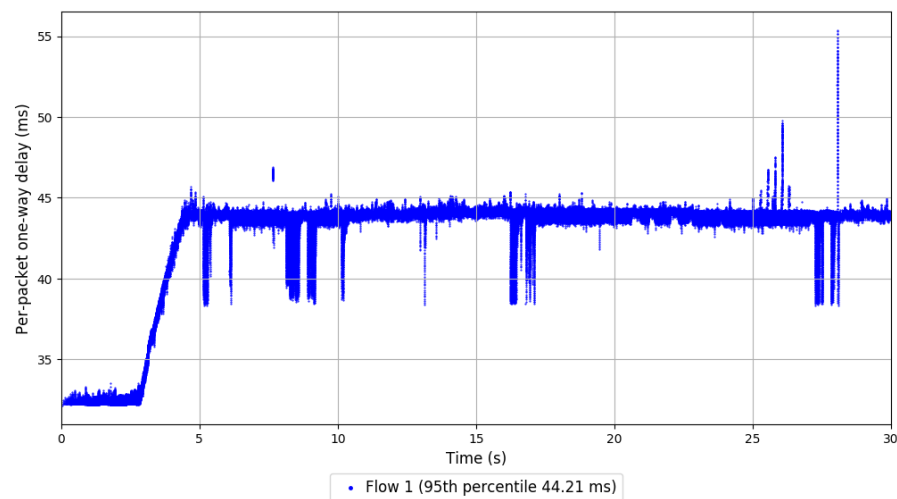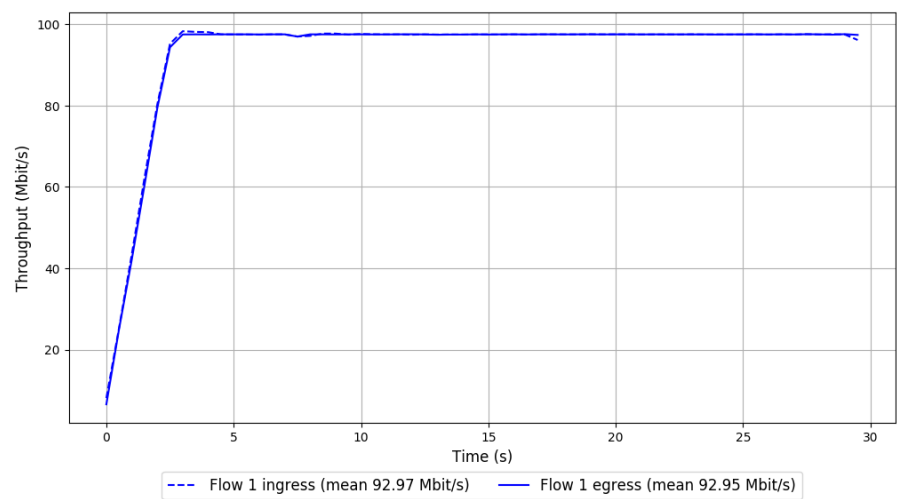• Flow 1 (95th percentile 41.56 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2017-11-30 10:18:39
End at: 2017-11-30 10:19:09
Local clock offset: 7.184 ms
Remote clock offset: -20.022 ms

# Below is generated by plot.py at 2017-11-30 14:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 45.682 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 45.682 ms
Loss rate: 0.13%
```

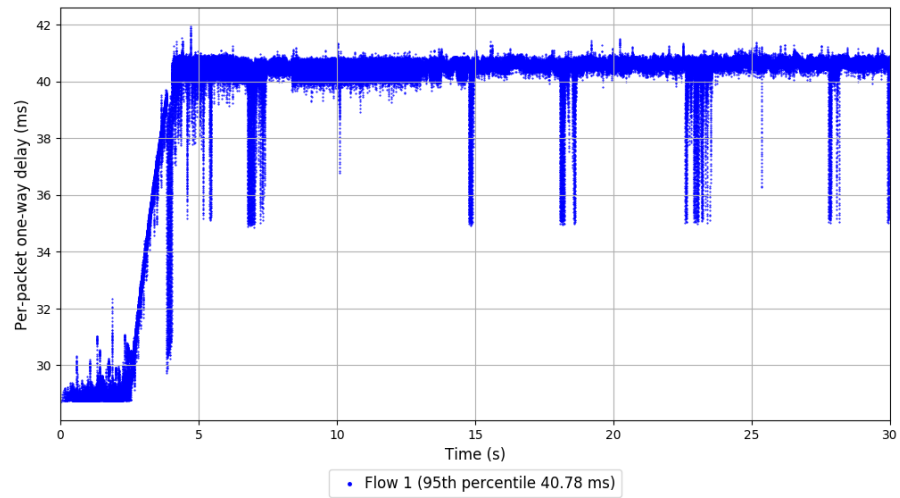Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-11-30 10:34:59
End at: 2017-11-30 10:35:29
Local clock offset: 9.204 ms
Remote clock offset: -17.088 ms


# Below is generated by plot.py at 2017-11-30 14:41:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 44.209 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 44.209 ms
Loss rate: 0.13%
```

Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 92.97 Mbit/s)   —— Flow 1 egress (mean 92.95 Mbit/s)

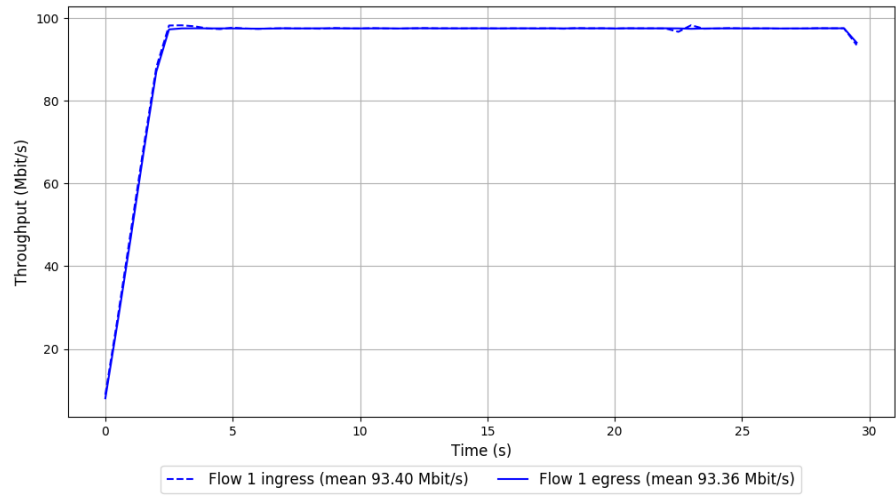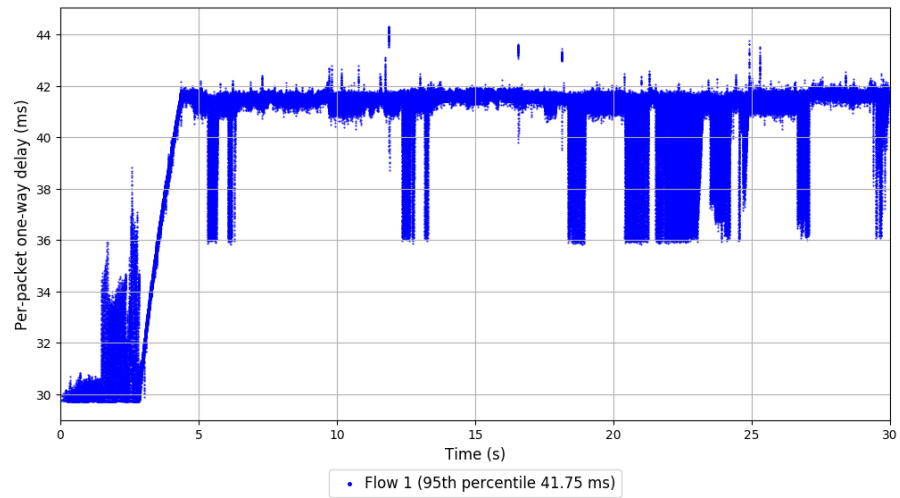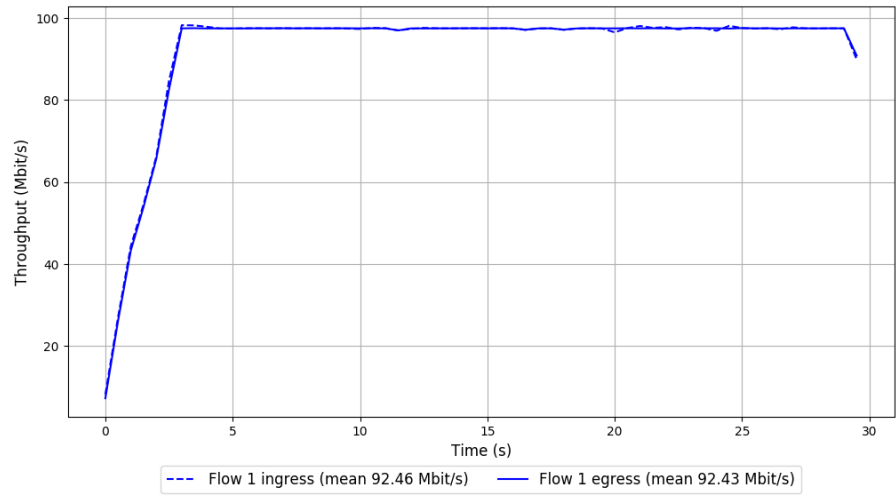· Flow 1 (95th percentile 44.21 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2017-11-30 10:51:35
End at: 2017-11-30 10:52:05
Local clock offset: 6.054 ms
Remote clock offset: -17.14 ms


# Below is generated by plot.py at 2017-11-30 14:41:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 40.782 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 40.782 ms
Loss rate: 0.13%
```

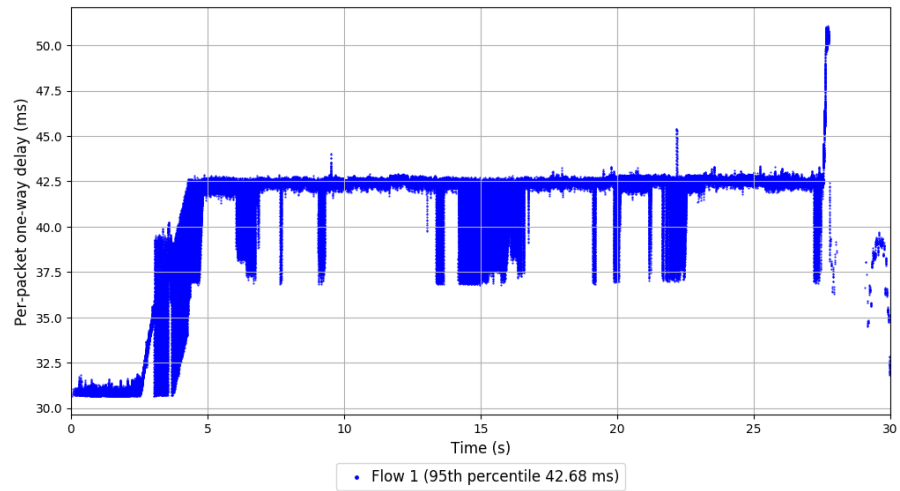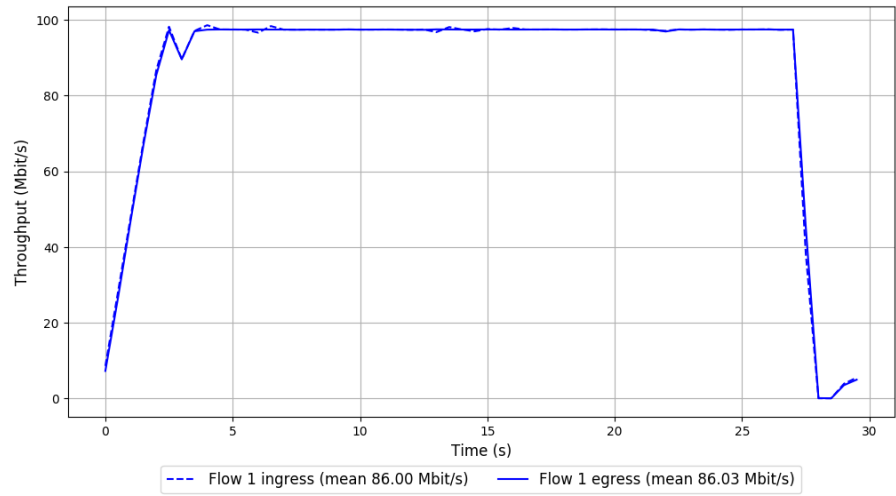# Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 93.40 Mbit/s)   Flow 1 egress (mean 93.36 Mbit/s)

Flow 1 (95th percentile 40.78 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2017-11-30 11:08:07
End at: 2017-11-30 11:08:37
Local clock offset: 3.664 ms
Remote clock offset: -16.923 ms


# Below is generated by plot.py at 2017-11-30 14:41:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 41.751 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 41.751 ms
Loss rate: 0.13%
```

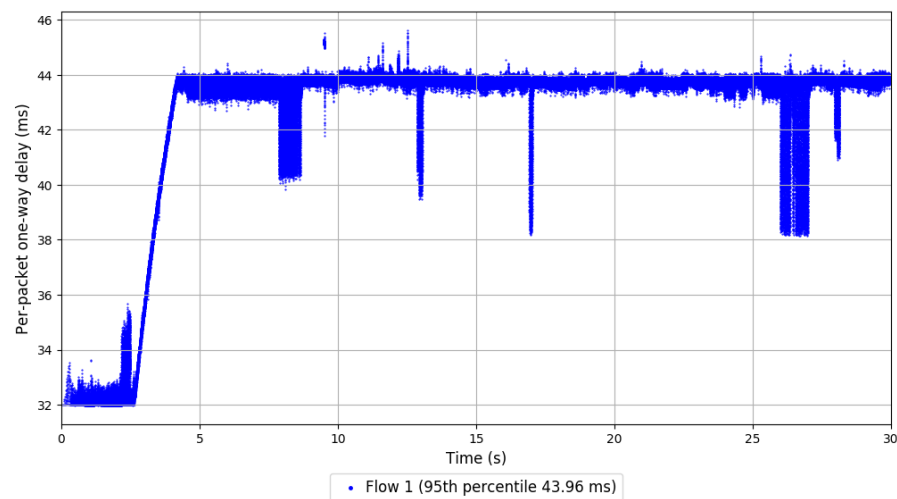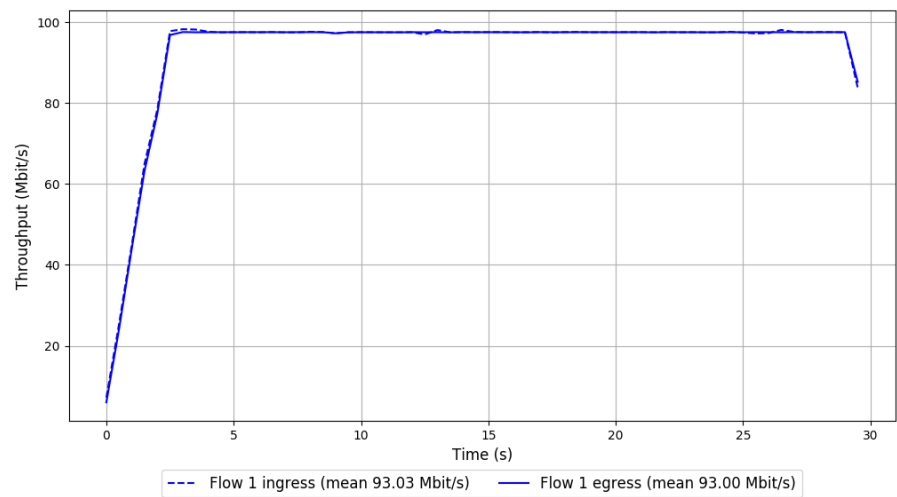# Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 92.46 Mbit/s)   Flow 1 egress (mean 92.43 Mbit/s)

• Flow 1 (95th percentile 41.75 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2017-11-30 11:24:37
End at: 2017-11-30 11:25:07
Local clock offset: 1.993 ms
Remote clock offset: -18.041 ms


# Below is generated by plot.py at 2017-11-30 14:41:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 42.681 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 42.681 ms
Loss rate: 0.04%
```

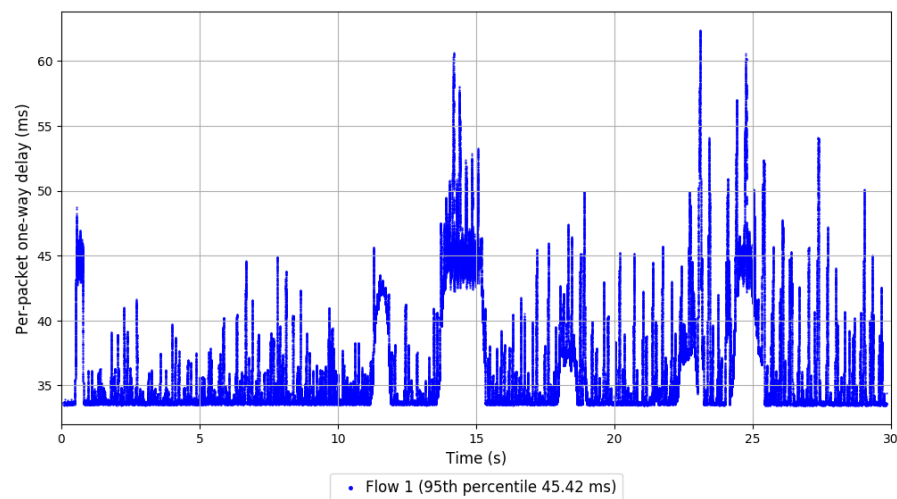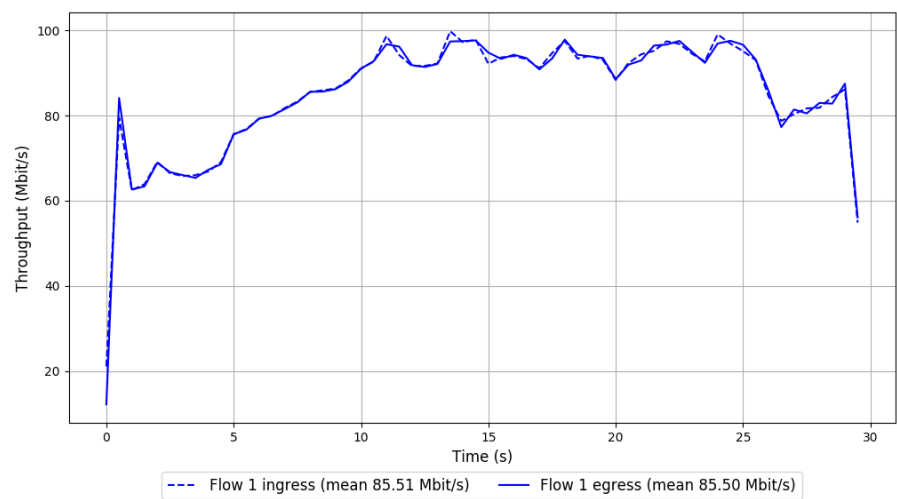Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2017-11-30 11:41:01
End at: 2017-11-30 11:41:31
Local clock offset: 0.232 ms
Remote clock offset: -19.766 ms


# Below is generated by plot.py at 2017-11-30 14:41:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 43.964 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 43.964 ms
Loss rate: 0.13%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 93.03 Mbit/s) --- Flow 1 egress (mean 93.00 Mbit/s)
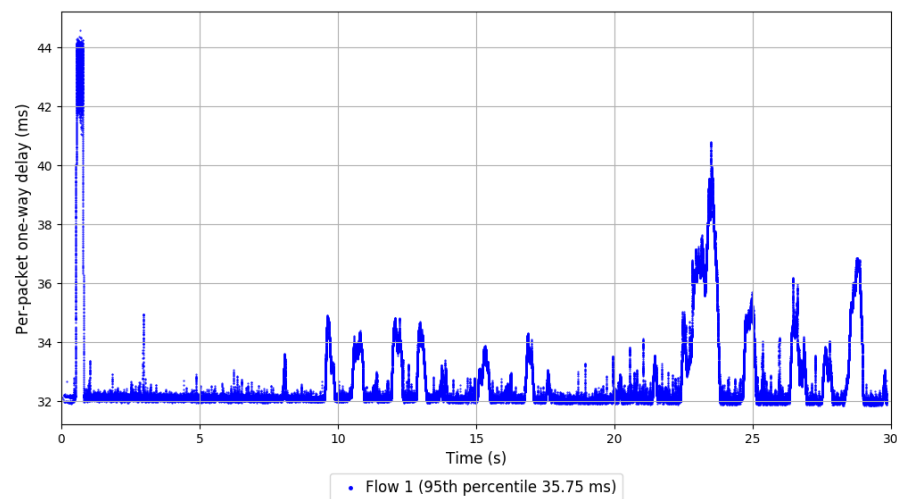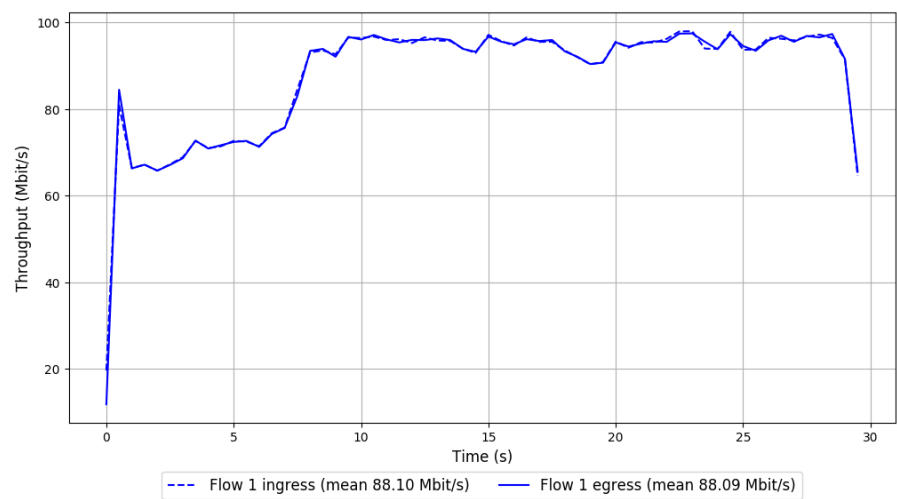

• Flow 1 (95th percentile 43.96 ms)

```
Run 1: Statistics of PCC

Start at: 2017-11-30 09:08:39
End at: 2017-11-30 09:09:09
Local clock offset: -13.751 ms
Remote clock offset: -19.8 ms


# Below is generated by plot.py at 2017-11-30 14:41:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 45.424 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 45.424 ms
Loss rate: 0.09%
```
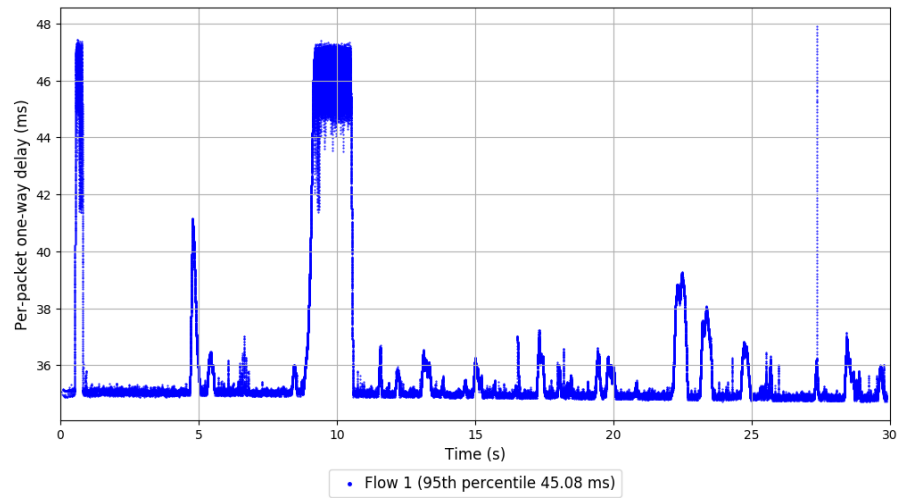
Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2017-11-30 09:27:35
End at: 2017-11-30 09:28:05
Local clock offset: -10.772 ms
Remote clock offset: -19.155 ms

# Below is generated by plot.py at 2017-11-30 14:41:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 35.753 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 35.753 ms
Loss rate: 0.09%
```

Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 88.10 Mbit/s)   Flow 1 egress (mean 88.09 Mbit/s)

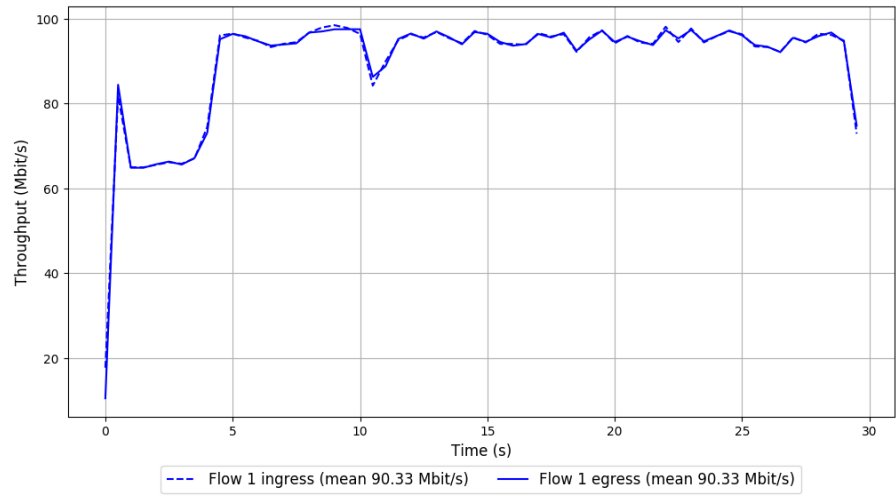Flow 1 (95th percentile 35.75 ms)

```
Run 3: Statistics of PCC

Start at: 2017-11-30 09:43:58
End at: 2017-11-30 09:44:28
Local clock offset: -2.455 ms
Remote clock offset: -21.751 ms


# Below is generated by plot.py at 2017-11-30 14:43:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 45.077 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 45.077 ms
Loss rate: 0.09%
```

Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 90.33 Mbit/s)   Flow 1 egress (mean 90.33 Mbit/s)

• Flow 1 (95th percentile 45.08 ms)

69

```
Run 4: Statistics of PCC

Start at: 2017-11-30 10:00:43
End at: 2017-11-30 10:01:13
Local clock offset: 2.536 ms
Remote clock offset: -20.469 ms
```

Run 4: Report of PCC — Data Link

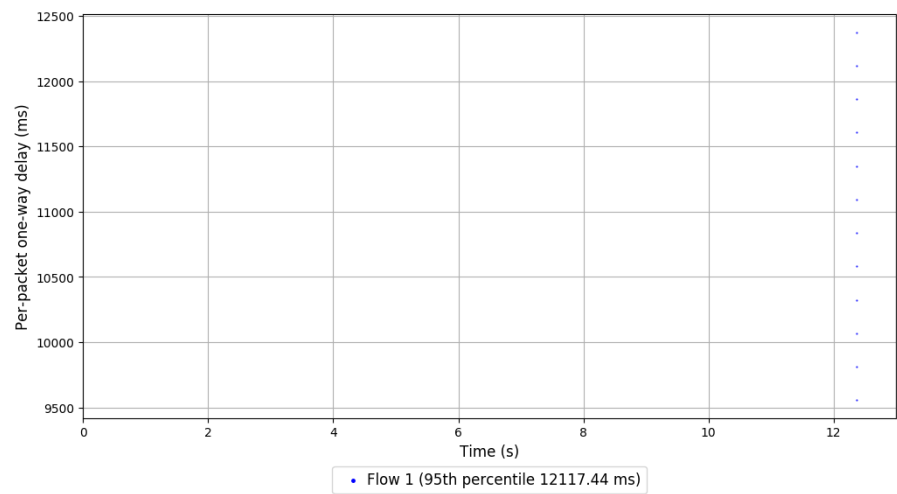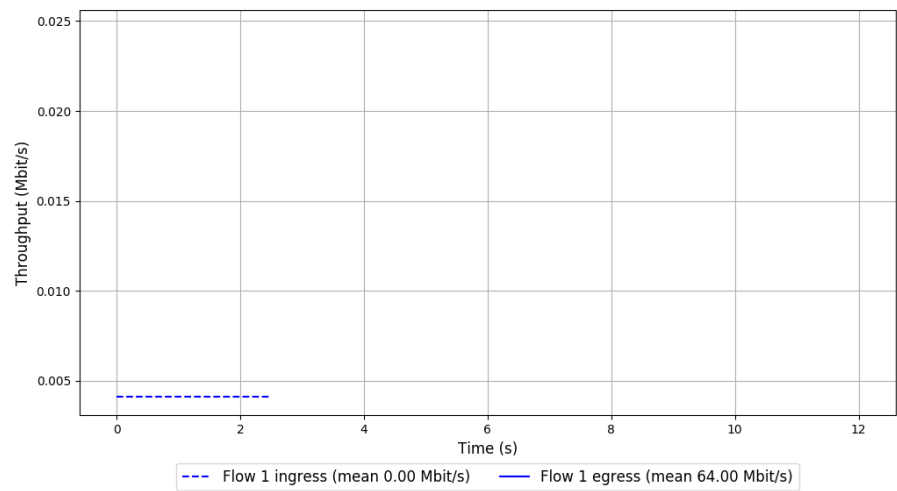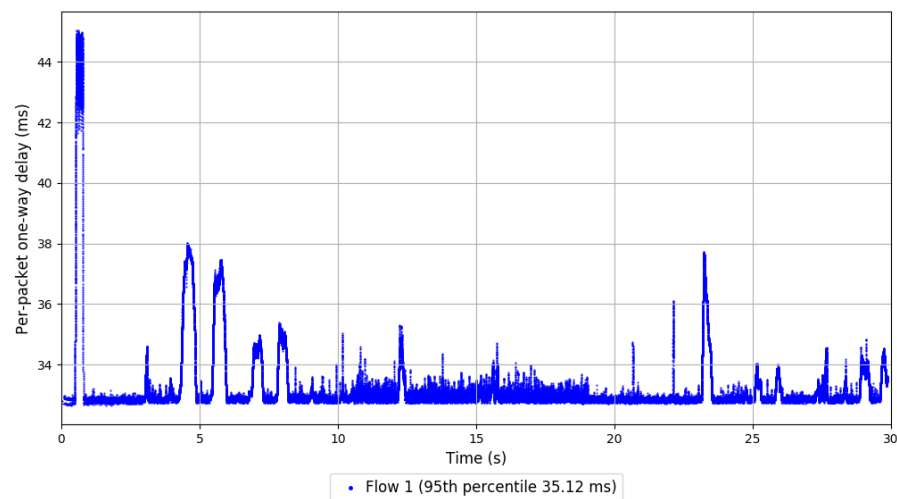Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 61.44 Mbit/s)

Flow 1 (95th percentile 13931.60 ms)

```
Run 5: Statistics of PCC

Start at: 2017-11-30 10:17:35
End at: 2017-11-30 10:18:05
Local clock offset: 4.584 ms
Remote clock offset: -20.169 ms
```
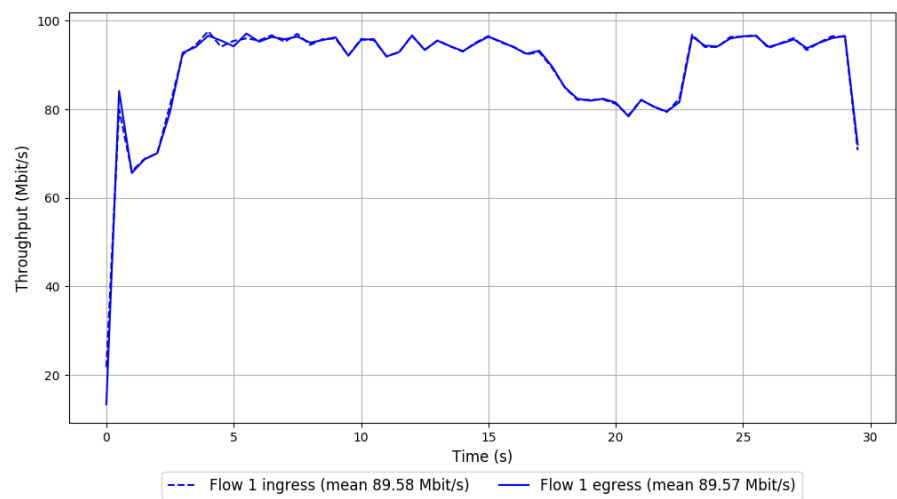
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 0.00 Mbit/s) --- Flow 1 egress (mean 64.00 Mbit/s)

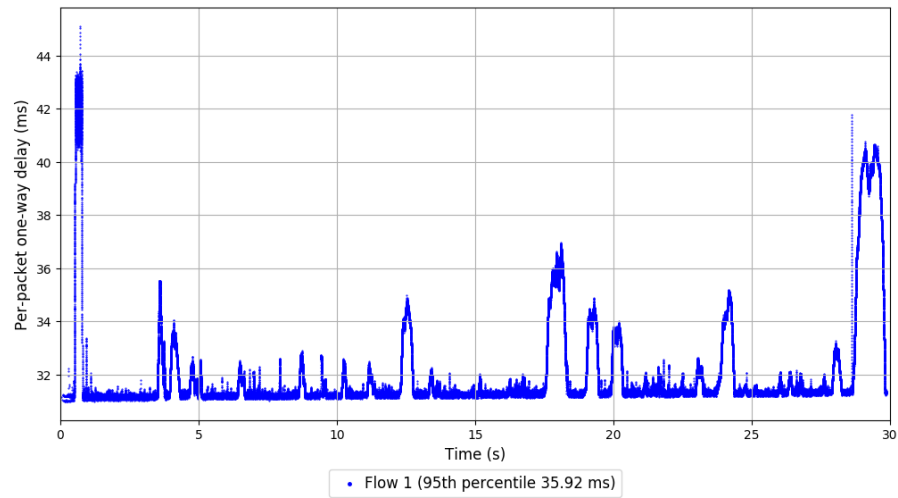

• Flow 1 (95th percentile 12117.44 ms)

```
Run 6: Statistics of PCC

Start at: 2017-11-30 10:33:50
End at: 2017-11-30 10:34:20
Local clock offset: 8.327 ms
Remote clock offset: -18.583 ms

# Below is generated by plot.py at 2017-11-30 14:43:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 35.117 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 35.117 ms
Loss rate: 0.10%
```

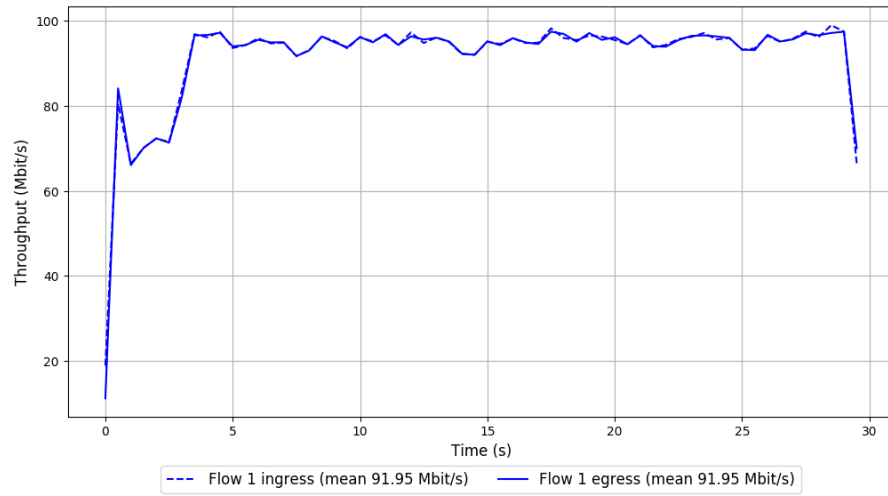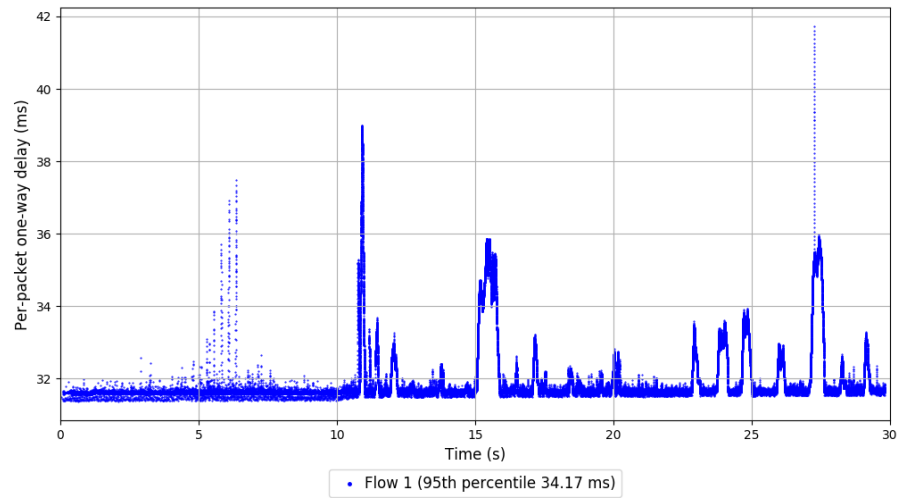Run 6: Report of PCC — Data Link

```
Run 7: Statistics of PCC

Start at: 2017-11-30 10:50:25
End at: 2017-11-30 10:50:55
Local clock offset: 8.433 ms
Remote clock offset: -17.559 ms


# Below is generated by plot.py at 2017-11-30 14:43:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.95 Mbit/s
95th percentile per-packet one-way delay: 35.924 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.95 Mbit/s
95th percentile per-packet one-way delay: 35.924 ms
Loss rate: 0.08%
```

Run 7: Report of PCC — Data Link

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

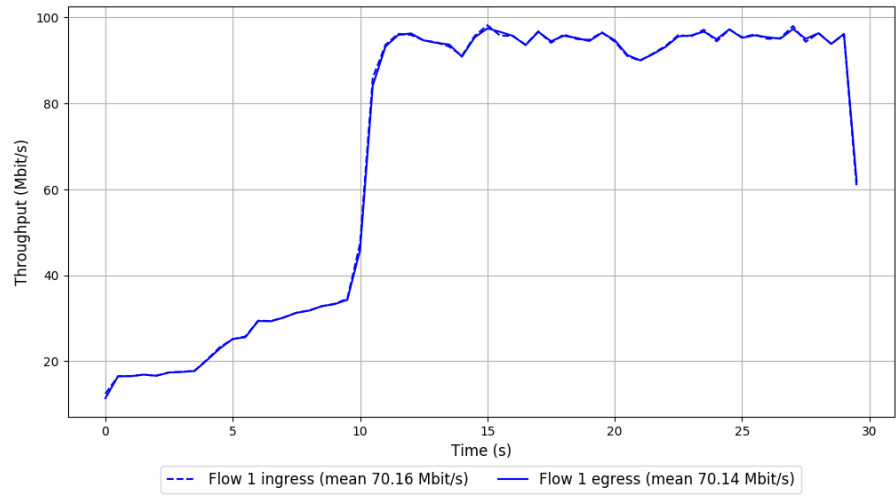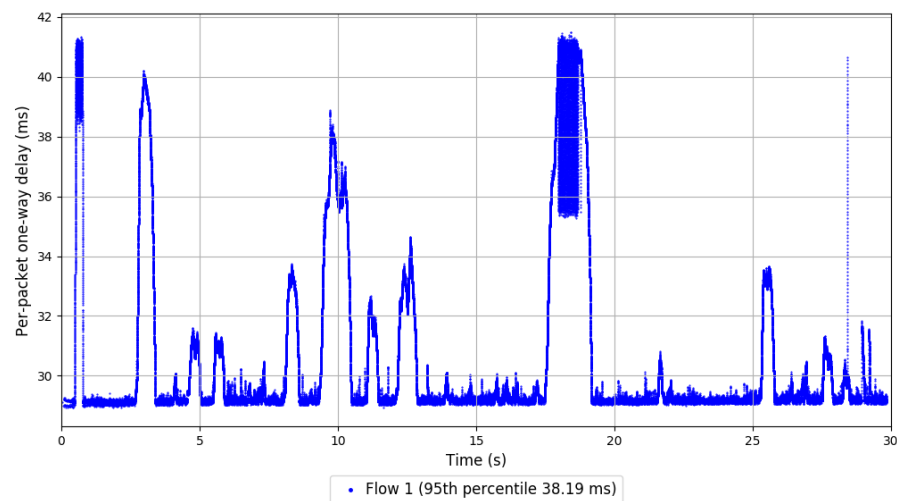• Flow 1 (95th percentile 35.92 ms)

```
Run 8: Statistics of PCC

Start at: 2017-11-30 11:07:00
End at: 2017-11-30 11:07:30
Local clock offset: 3.946 ms
Remote clock offset: -18.668 ms


# Below is generated by plot.py at 2017-11-30 14:43:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 34.170 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 34.170 ms
Loss rate: 0.11%
```

Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 70.16 Mbit/s) --- Flow 1 egress (mean 70.14 Mbit/s)

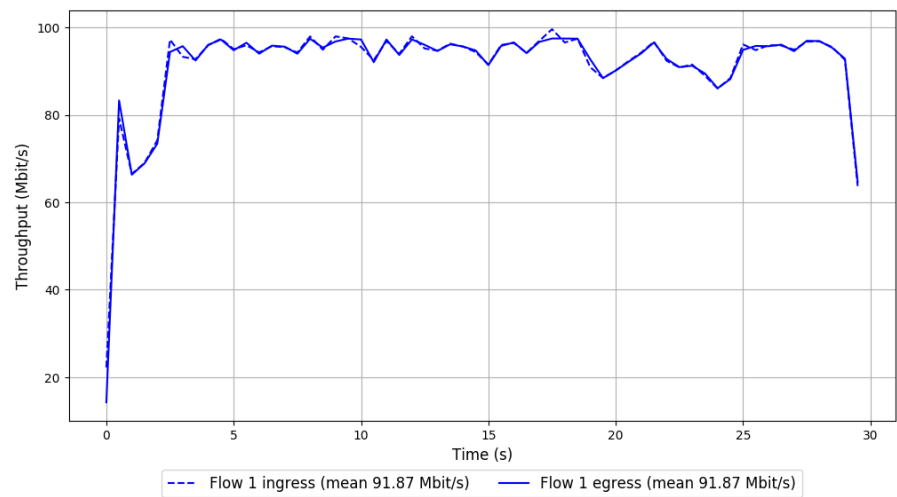Flow 1 (95th percentile 34.17 ms)

```
Run 9: Statistics of PCC

Start at: 2017-11-30 11:23:27
End at: 2017-11-30 11:23:57
Local clock offset: 1.902 ms
Remote clock offset: -16.679 ms


# Below is generated by plot.py at 2017-11-30 14:43:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 38.189 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 38.189 ms
Loss rate: 0.08%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 91.87 Mbit/s) --- Flow 1 egress (mean 91.87 Mbit/s)

• Flow 1 (95th percentile 38.19 ms)

81

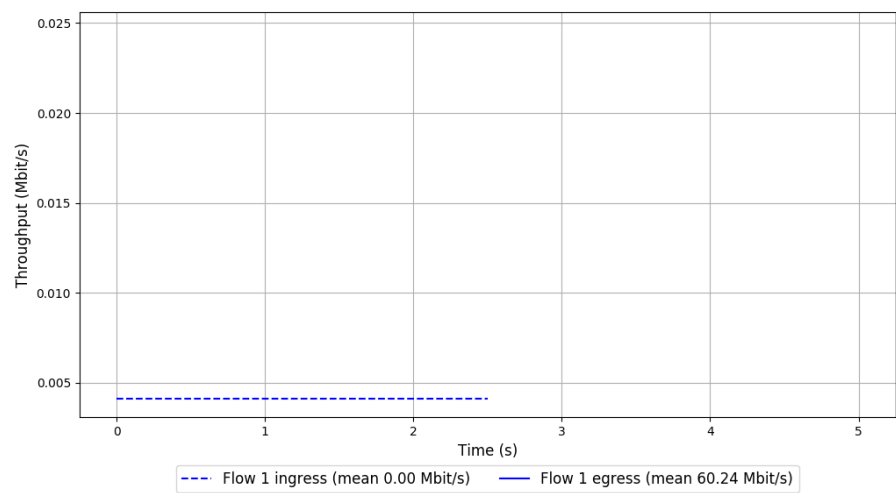```
Run 10: Statistics of PCC

Start at: 2017-11-30 11:39:57
End at: 2017-11-30 11:40:27
Local clock offset: 0.437 ms
Remote clock offset: -19.833 ms
```
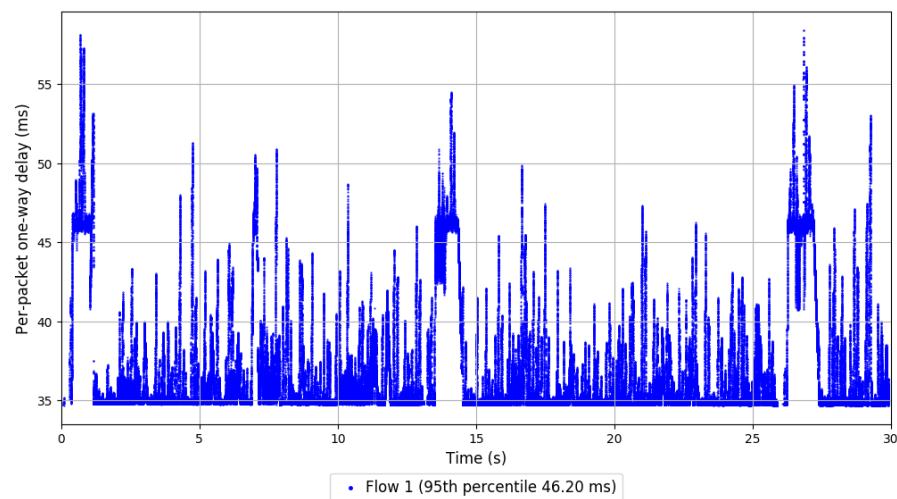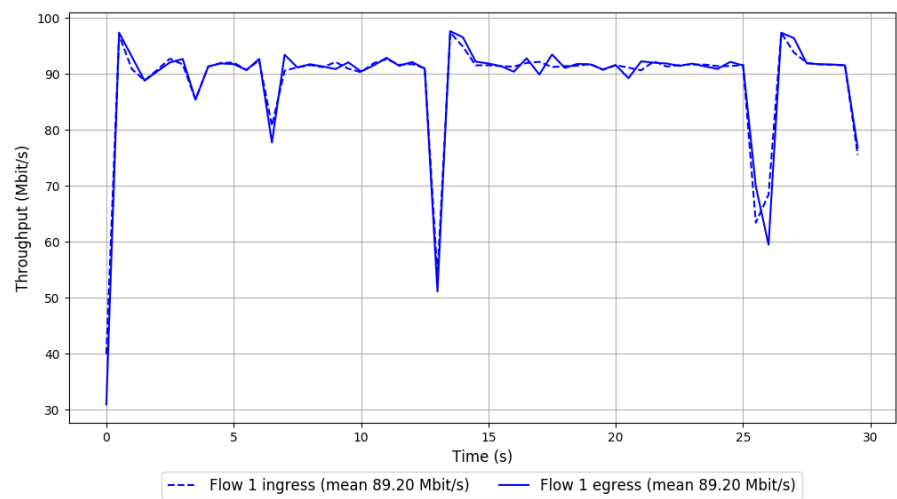
## Run 10: Report of PCC — Data Link



Flow 1 ingress (mean 0.00 Mbit/s) --- Flow 1 egress (mean 60.24 Mbit/s)
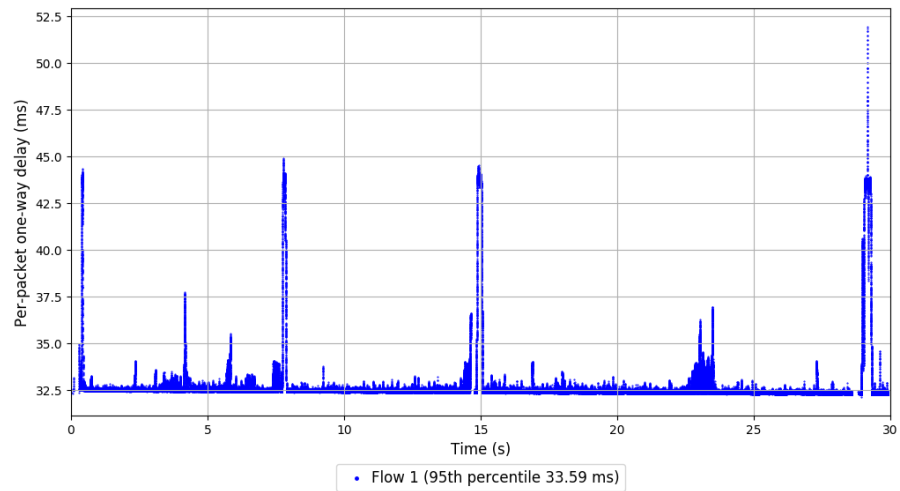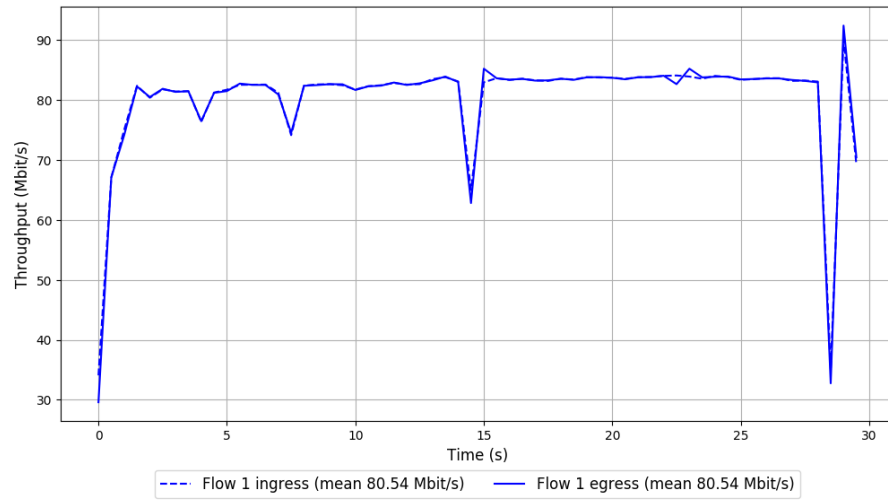


Flow 1 (95th percentile 4756.88 ms)

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-11-30 09:07:10
End at: 2017-11-30 09:07:40
Local clock offset: -12.251 ms
Remote clock offset: -19.176 ms

Below is generated by plot.py at 2017-11-30 14:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 46.203 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 46.203 ms
Loss rate: 0.09%
```
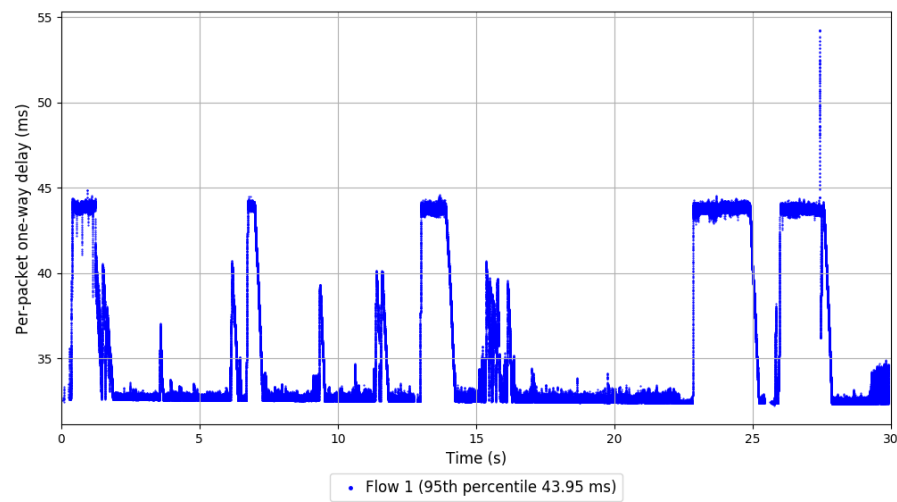
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-11-30 09:26:25
End at: 2017-11-30 09:26:55
Local clock offset: -12.902 ms
Remote clock offset: -21.193 ms

Below is generated by plot.py at 2017-11-30 14:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.54 Mbit/s
95th percentile per-packet one-way delay: 33.585 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.54 Mbit/s
95th percentile per-packet one-way delay: 33.585 ms
Loss rate: 0.09%
```
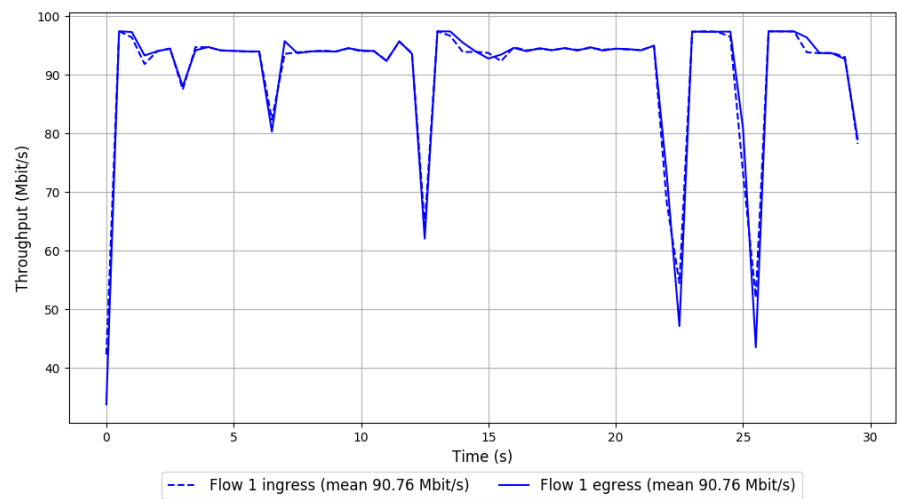
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-11-30 09:42:45
End at: 2017-11-30 09:43:15
Local clock offset: -4.606 ms
Remote clock offset: -20.773 ms

Below is generated by plot.py at 2017-11-30 14:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 43.955 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 43.955 ms
Loss rate: 0.10%
```
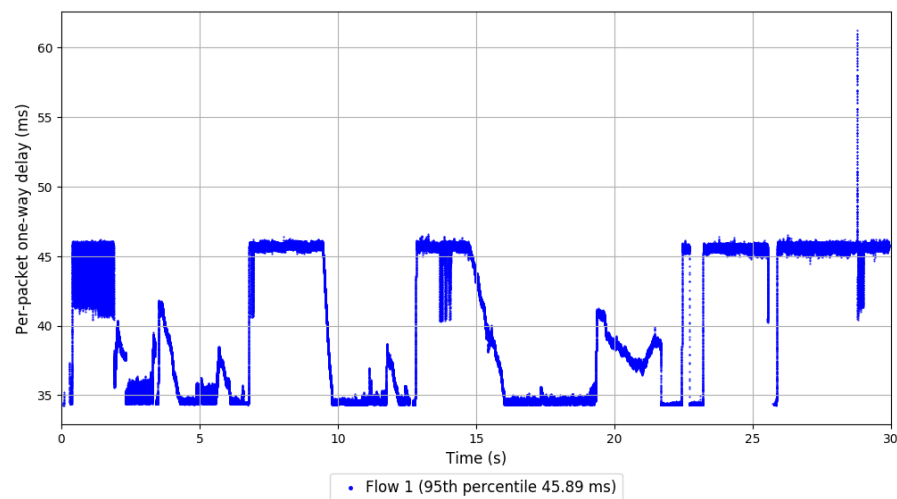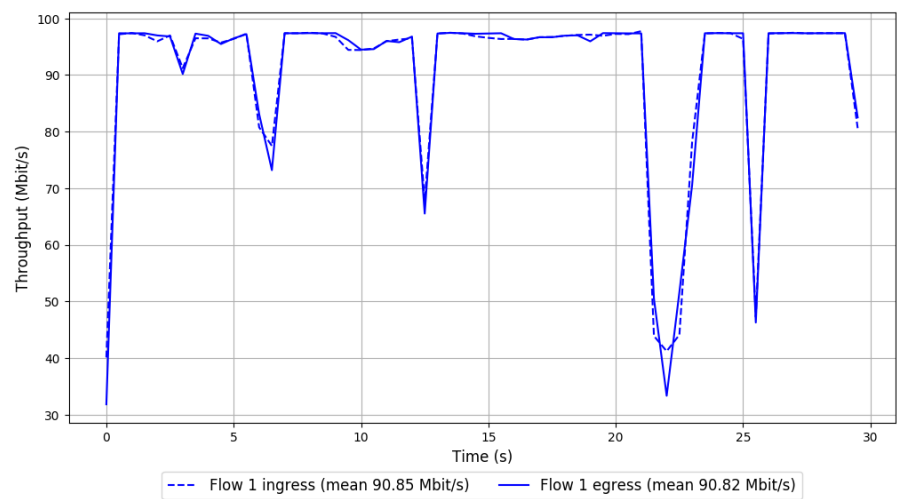
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-11-30 09:59:23
End at: 2017-11-30 09:59:53
Local clock offset: 3.755 ms
Remote clock offset: -20.985 ms


# Below is generated by plot.py at 2017-11-30 14:44:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 45.889 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 45.889 ms
Loss rate: 0.13%
```

Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 90.85 Mbit/s) — — — Flow 1 egress (mean 90.82 Mbit/s)
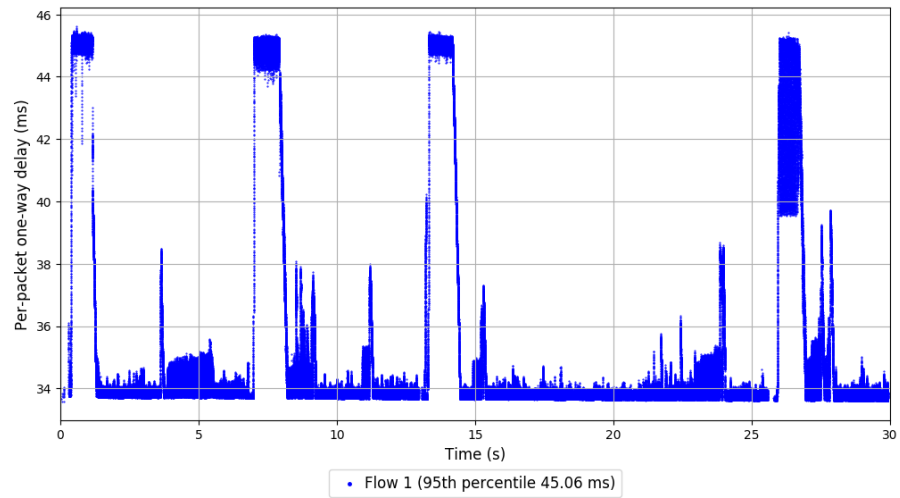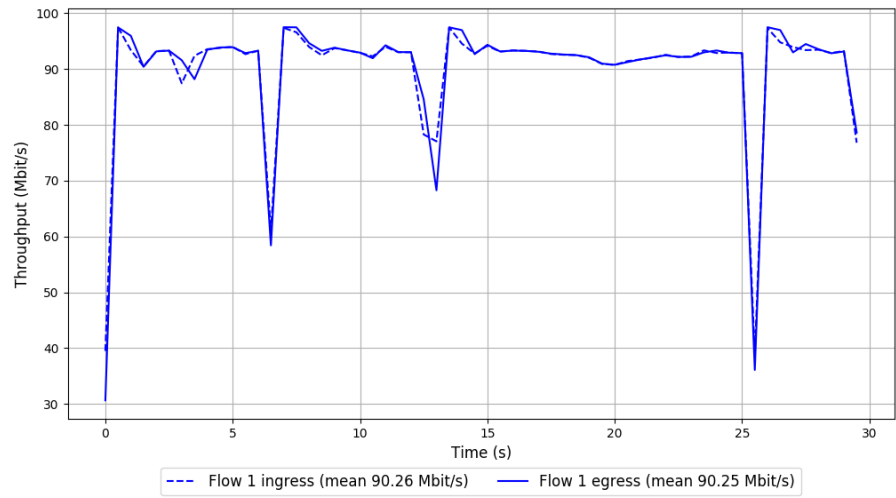

· Flow 1 (95th percentile 45.89 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-11-30 10:16:24
End at: 2017-11-30 10:16:54
Local clock offset: 4.866 ms
Remote clock offset: -21.912 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.25 Mbit/s
95th percentile per-packet one-way delay: 45.056 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 90.25 Mbit/s
95th percentile per-packet one-way delay: 45.056 ms
Loss rate: 0.08%
```

Run 5: Report of QUIC Cubic — Data Link
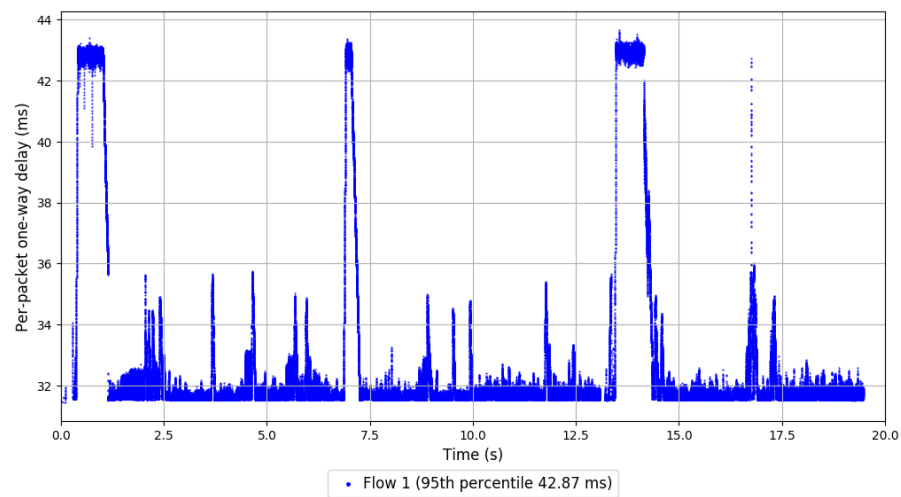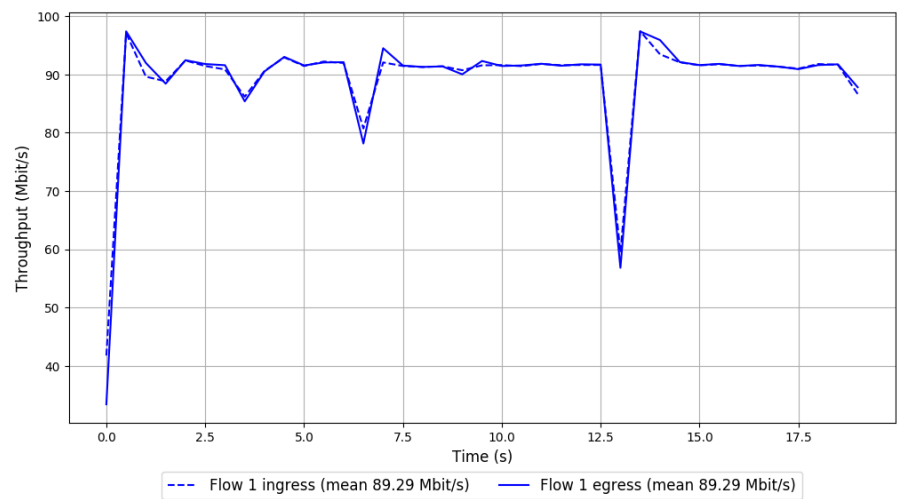
```
Run 6: Statistics of QUIC Cubic

Start at: 2017-11-30 10:32:41
End at: 2017-11-30 10:33:11
Local clock offset: 6.707 ms
Remote clock offset: -18.885 ms
```

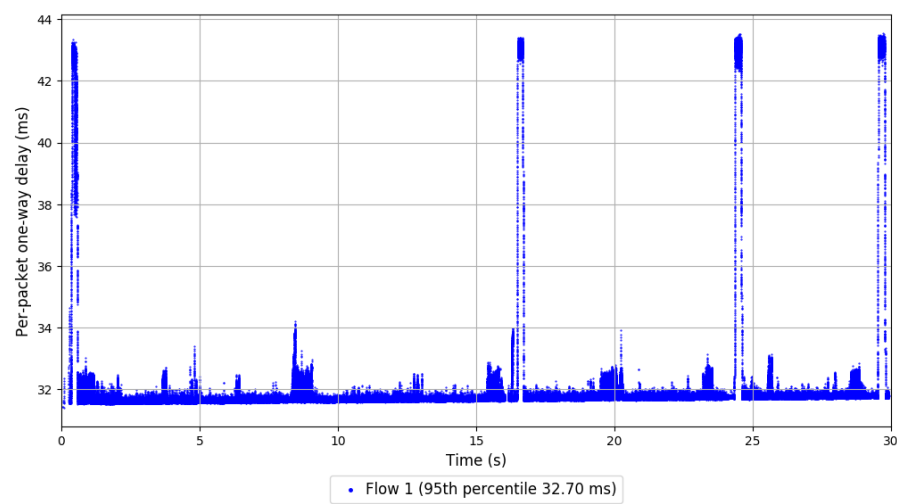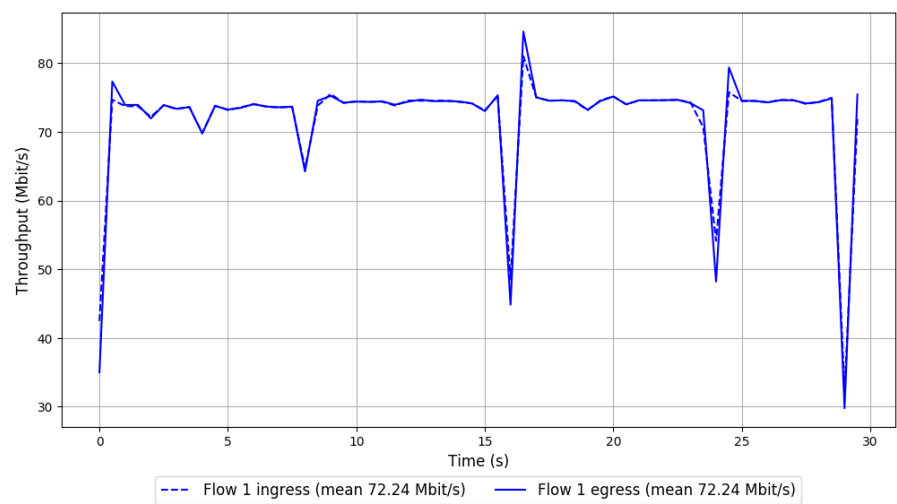Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-11-30 10:49:15
End at: 2017-11-30 10:49:45
Local clock offset: 7.824 ms
Remote clock offset: -18.973 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.24 Mbit/s
95th percentile per-packet one-way delay: 32.699 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 72.24 Mbit/s
95th percentile per-packet one-way delay: 32.699 ms
Loss rate: 0.08%
```

Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 72.24 Mbit/s) --- Flow 1 egress (mean 72.24 Mbit/s)

Flow 1 (95th percentile 32.70 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-11-30 11:05:51
End at: 2017-11-30 11:06:21
Local clock offset: 4.395 ms
Remote clock offset: -18.26 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 32.177 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 32.177 ms
Loss rate: 0.08%
```
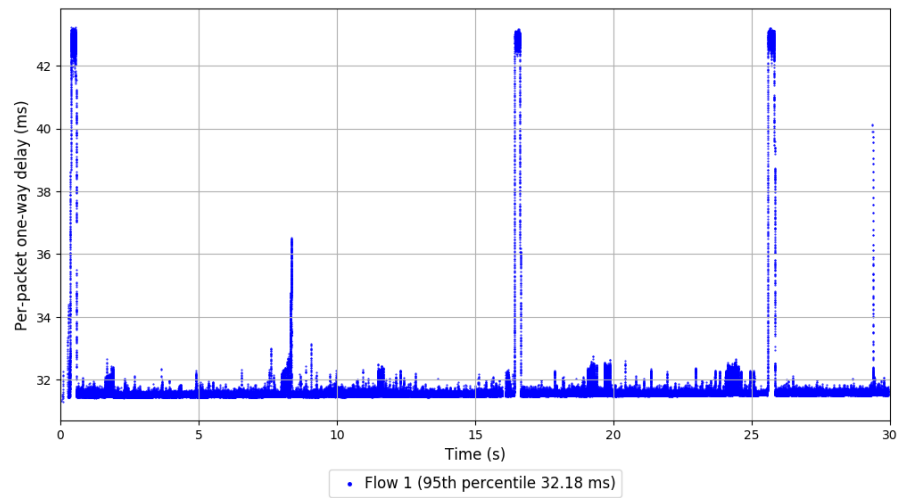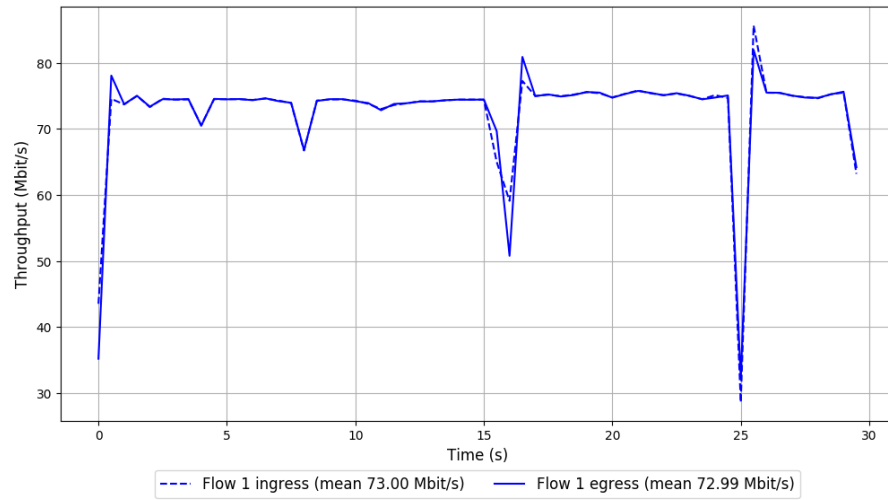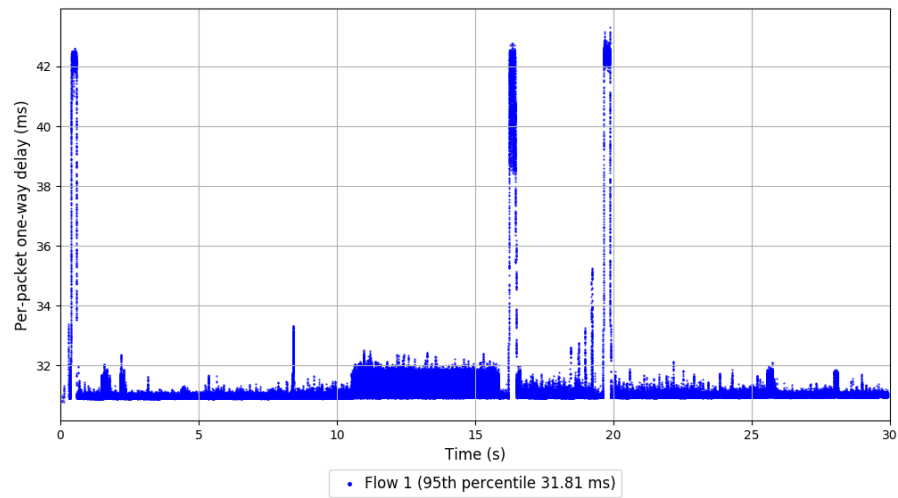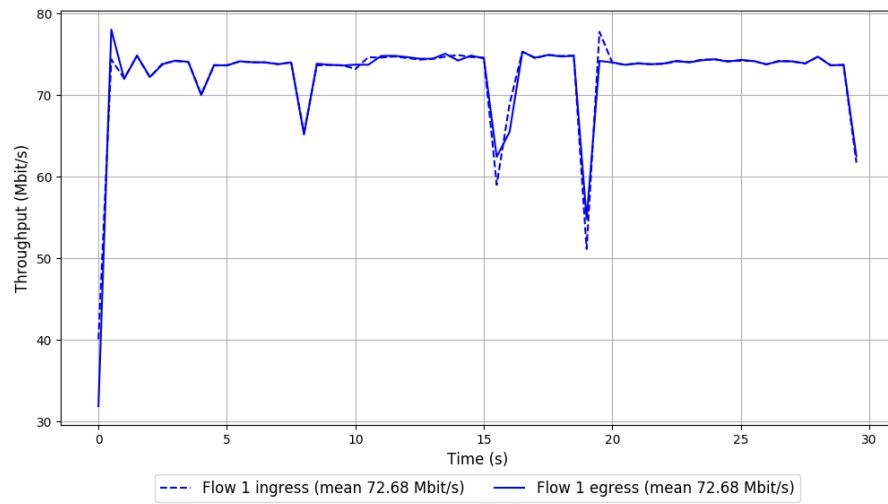
Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-11-30 11:22:18
End at: 2017-11-30 11:22:48
Local clock offset: 1.216 ms
Remote clock offset: -17.951 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.68 Mbit/s
95th percentile per-packet one-way delay: 31.809 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 72.68 Mbit/s
95th percentile per-packet one-way delay: 31.809 ms
Loss rate: 0.09%
```

Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 72.68 Mbit/s) — — — — Flow 1 egress (mean 72.68 Mbit/s)

Flow 1 (95th percentile 31.81 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-11-30 11:38:47
End at: 2017-11-30 11:39:17
Local clock offset: -0.255 ms
Remote clock offset: -17.444 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 29.604 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 29.604 ms
Loss rate: 0.09%
```
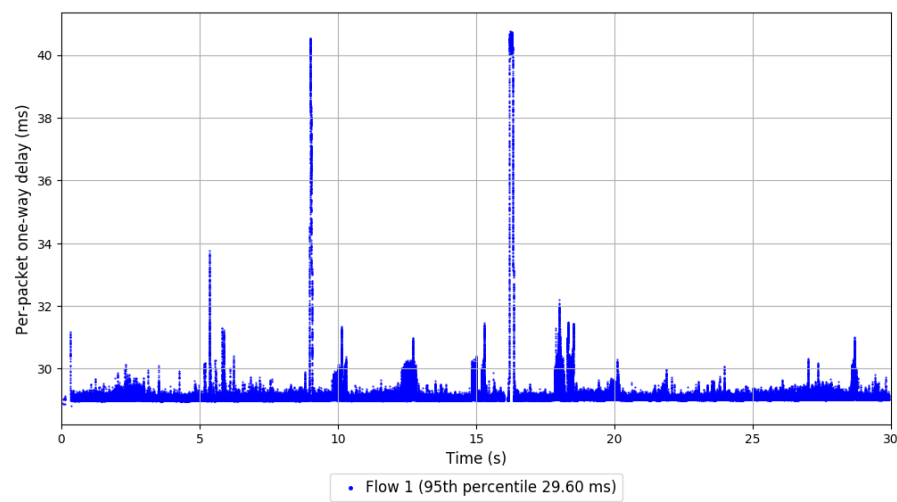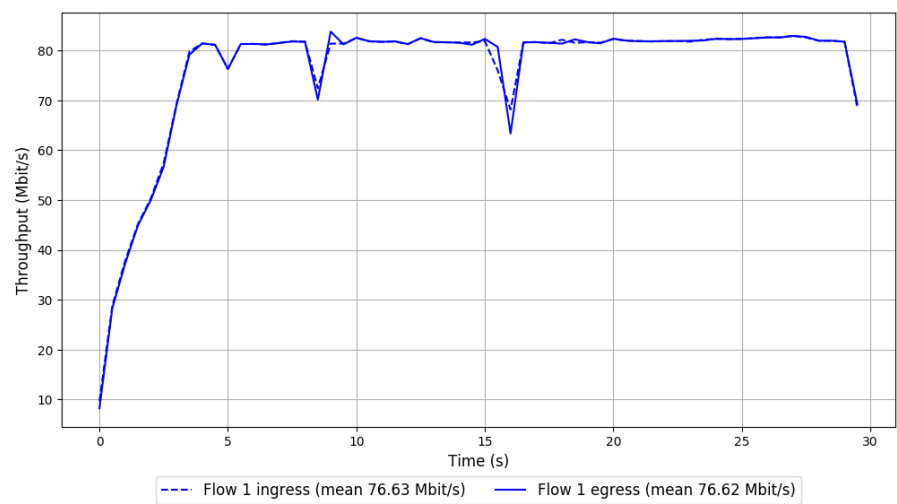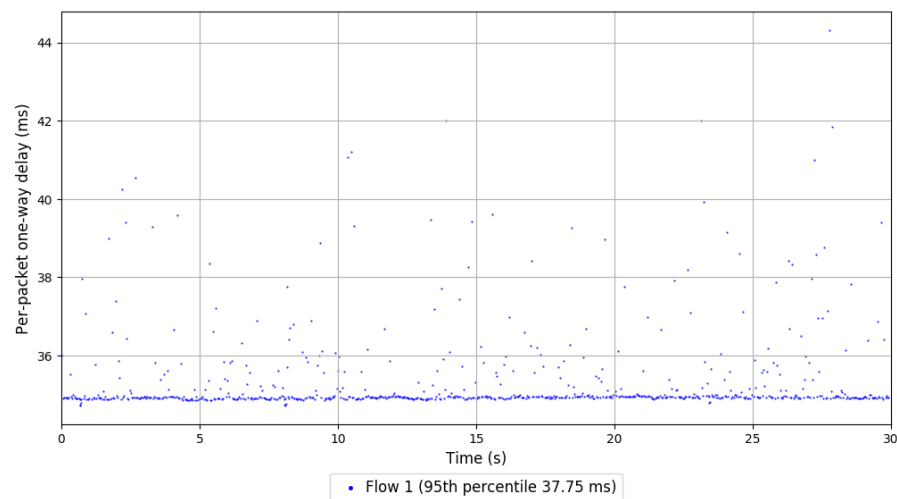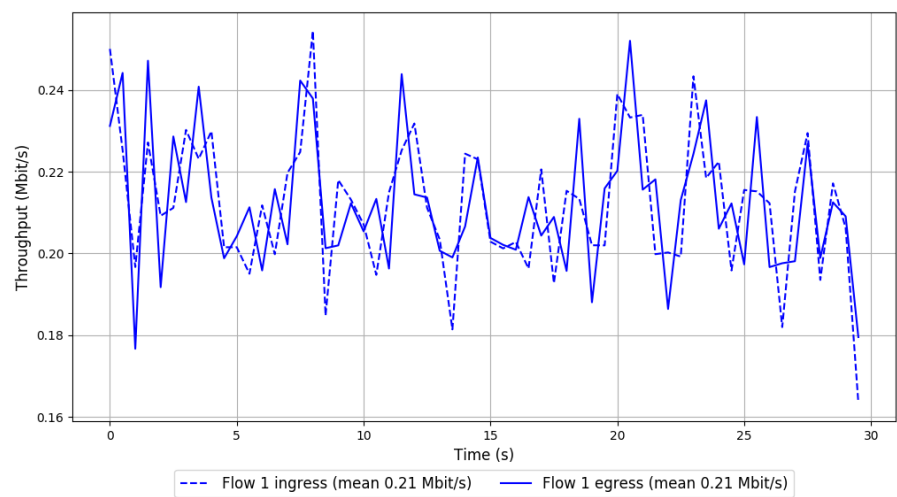
Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2017-11-30 09:04:45
End at: 2017-11-30 09:05:15
Local clock offset: -13.616 ms
Remote clock offset: -20.506 ms

# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 37.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 37.748 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

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

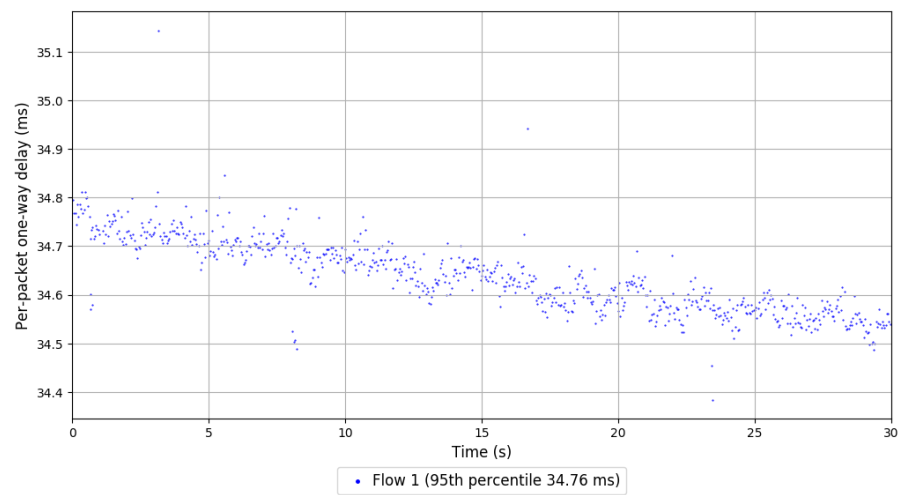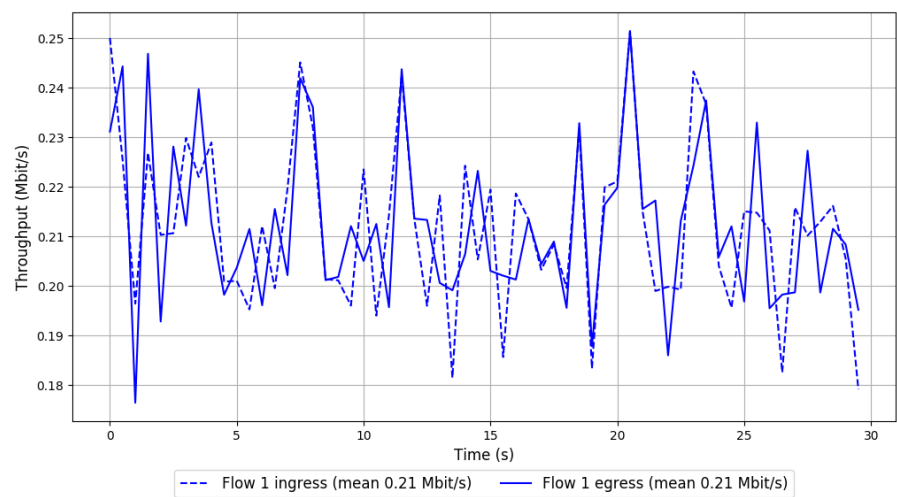Flow 1 (95th percentile 37.75 ms)

```
Run 2: Statistics of SCReAM

Start at: 2017-11-30 09:24:15
End at: 2017-11-30 09:24:45
Local clock offset: -10.705 ms
Remote clock offset: -20.325 ms

# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.757 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)

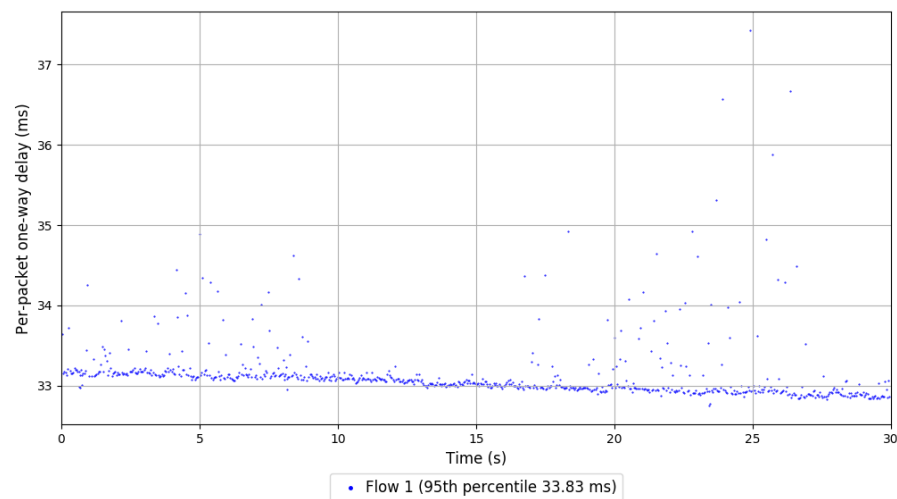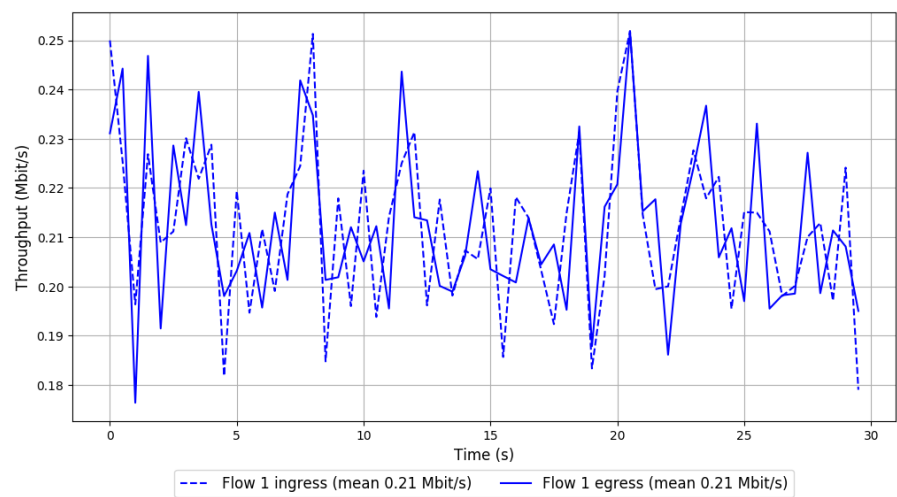Flow 1 (95th percentile 34.76 ms)

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```
Run 3: Statistics of SCReAM

Start at: 2017-11-30 09:40:35
End at: 2017-11-30 09:41:05
Local clock offset: -5.335 ms
Remote clock offset: -20.67 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.832 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

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

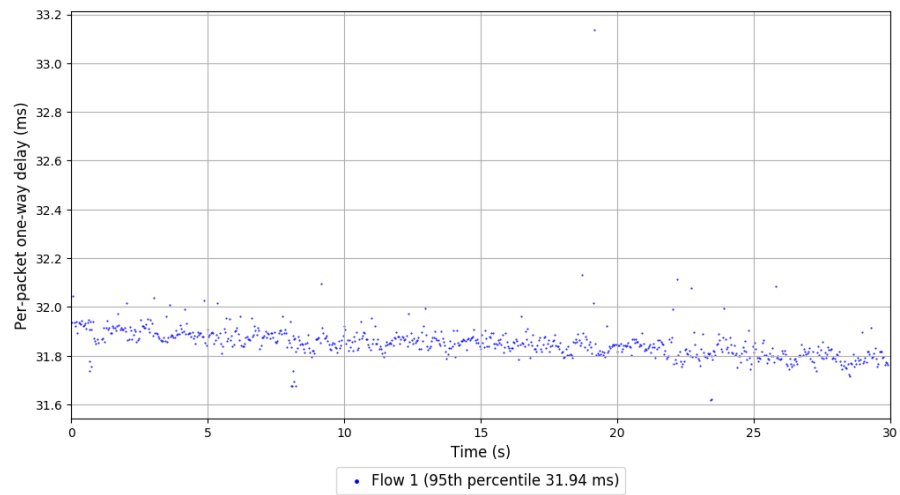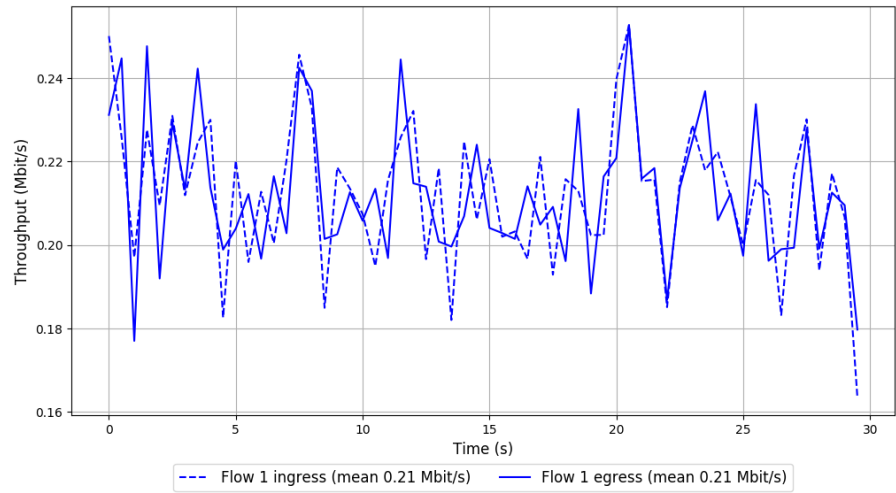Flow 1 (95th percentile 33.83 ms)

```
Run 4: Statistics of SCReAM

Start at: 2017-11-30 09:57:14
End at: 2017-11-30 09:57:44
Local clock offset: 2.003 ms
Remote clock offset: -19.739 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.937 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)

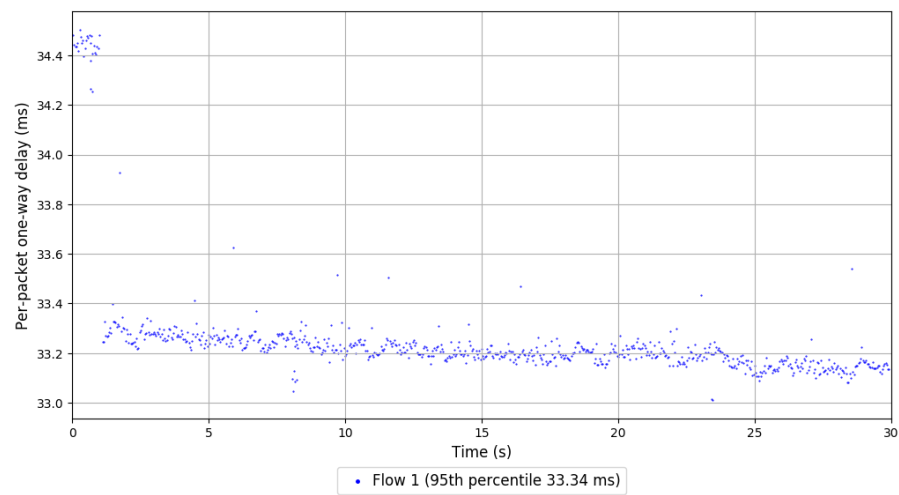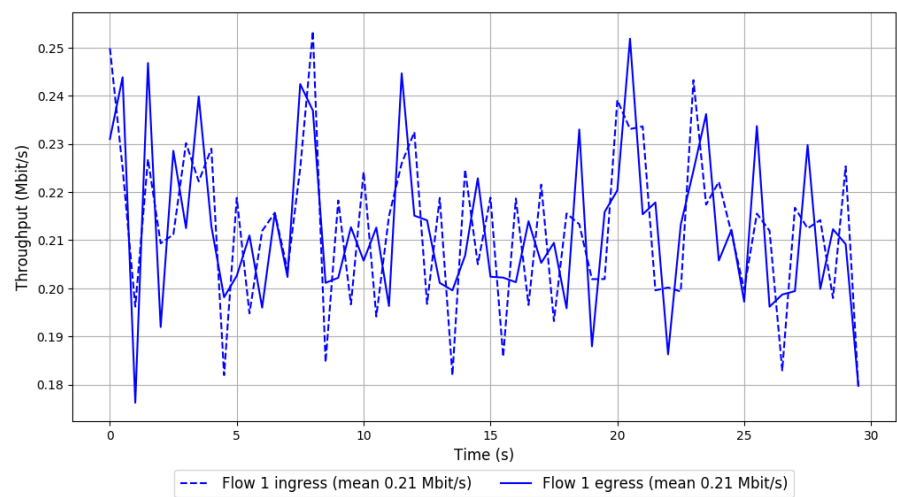Flow 1 (95th percentile 31.94 ms)

```
Run 5: Statistics of SCReAM

Start at: 2017-11-30 10:14:11
End at: 2017-11-30 10:14:41
Local clock offset: 6.441 ms
Remote clock offset: -19.234 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.344 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.344 ms
Loss rate: 0.13%
```

Run 5: Report of SCReAM — Data Link

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

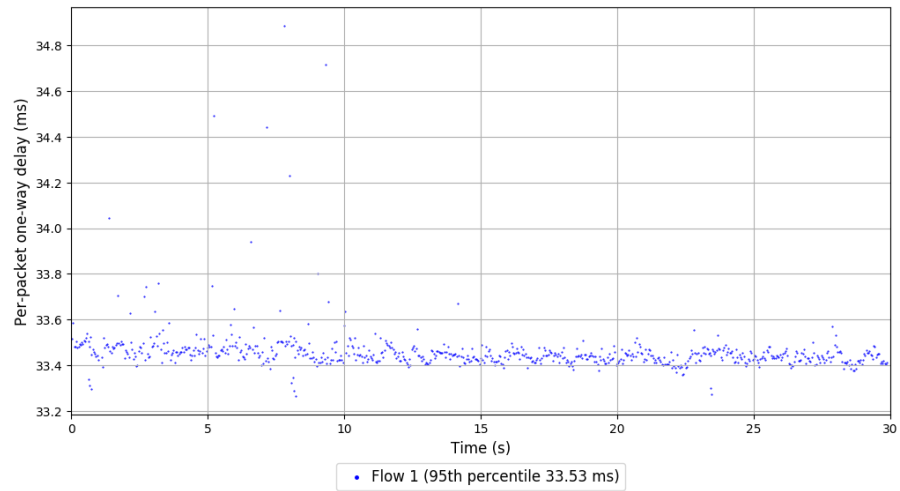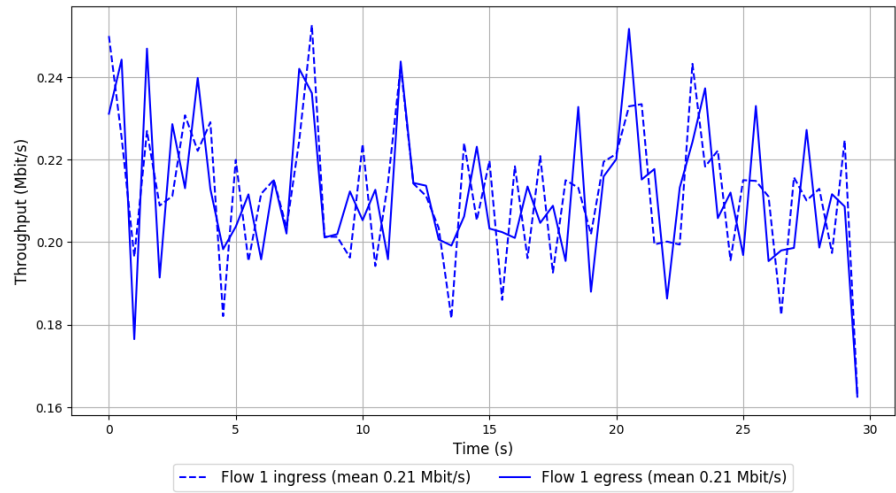

Flow 1 (95th percentile 33.34 ms)

```
Run 6: Statistics of SCReAM

Start at: 2017-11-30 10:30:32
End at: 2017-11-30 10:31:02
Local clock offset: 9.126 ms
Remote clock offset: -18.222 ms

# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.529 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.529 ms
Loss rate: 0.13%
```

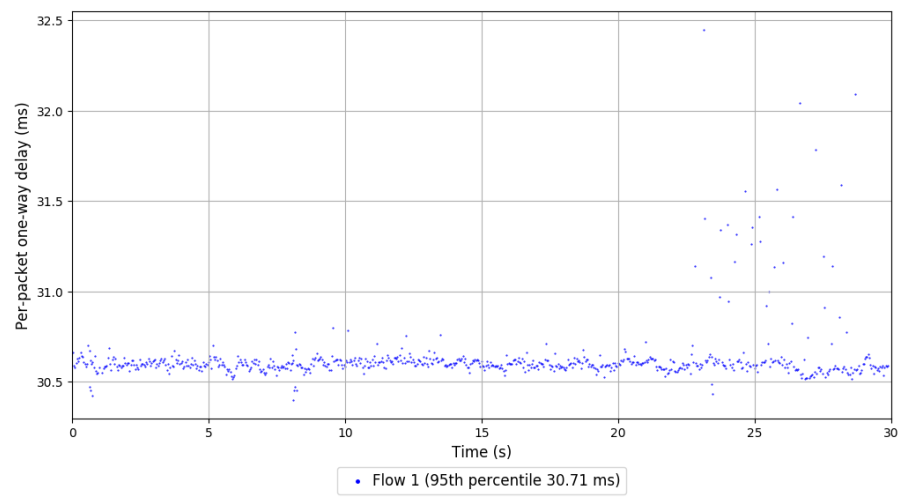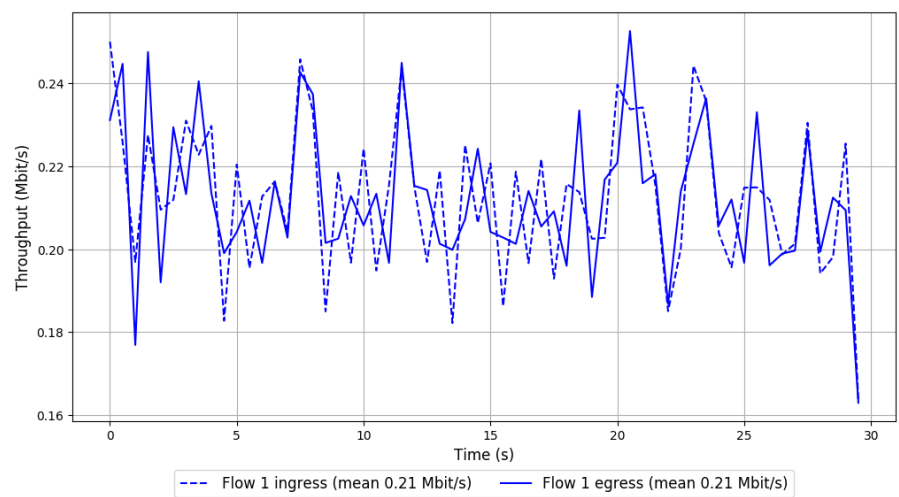Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2017-11-30 10:47:06
End at: 2017-11-30 10:47:36
Local clock offset: 8.554 ms
Remote clock offset: -17.616 ms

# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.714 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.714 ms
Loss rate: 0.13%
```

Run 7: Report of SCReAM — Data Link

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

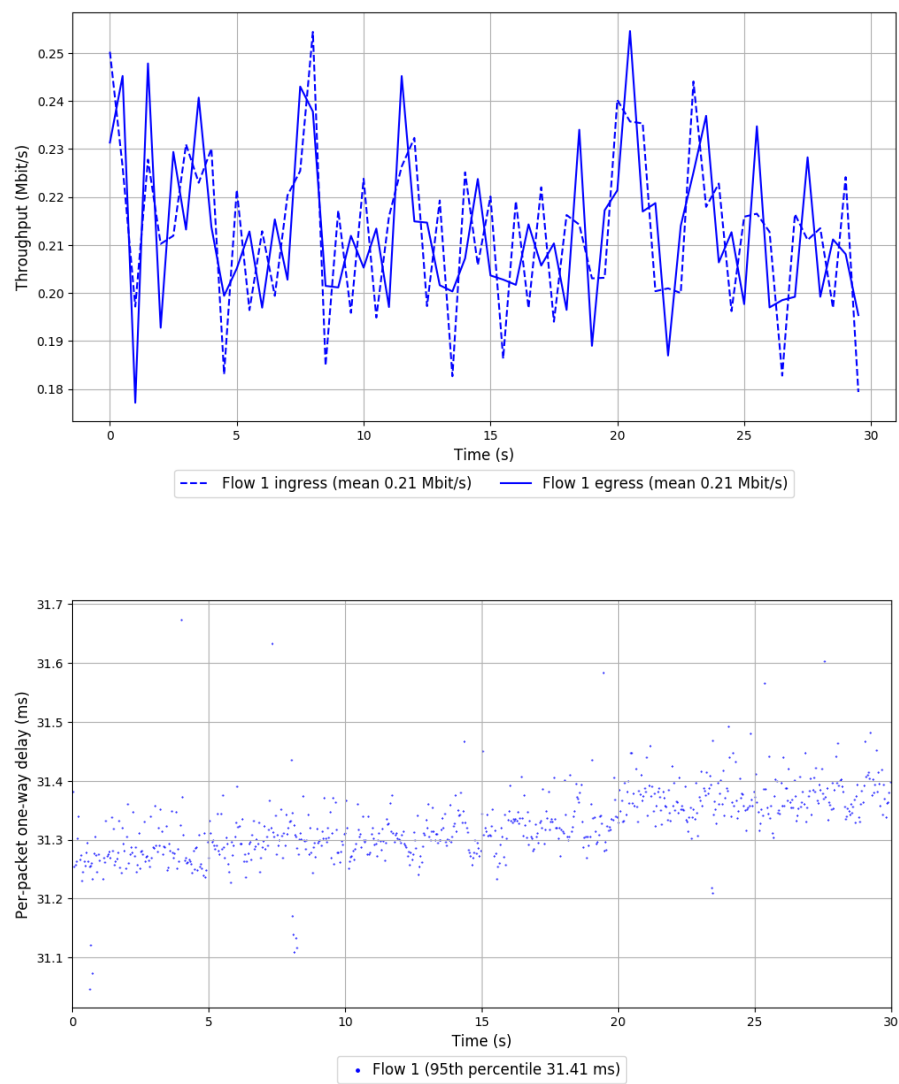Flow 1 (95th percentile 30.71 ms)

```
Run 8: Statistics of SCReAM

Start at: 2017-11-30 11:03:41
End at: 2017-11-30 11:04:11
Local clock offset: 4.545 ms
Remote clock offset: -18.324 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.412 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link
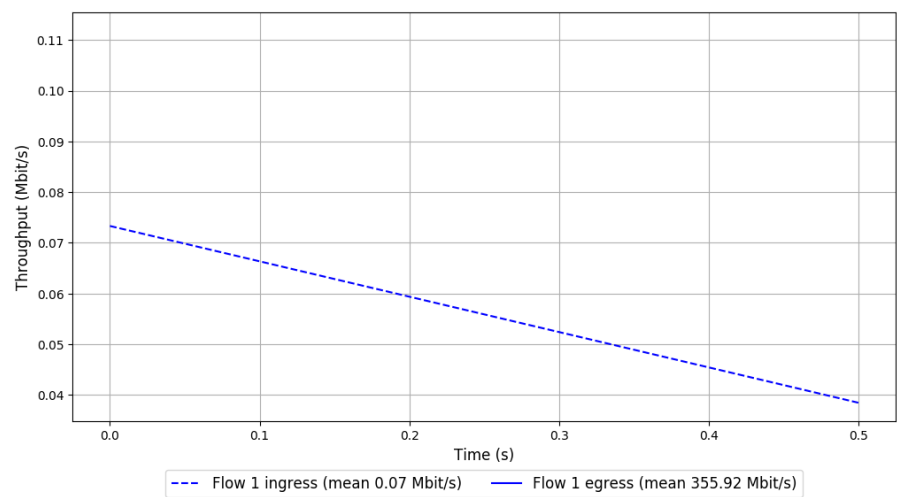
```
Run 9: Statistics of SCReAM

Start at: 2017-11-30 11:20:08
End at: 2017-11-30 11:20:38
Local clock offset: 1.057 ms
Remote clock offset: -18.0 ms
```
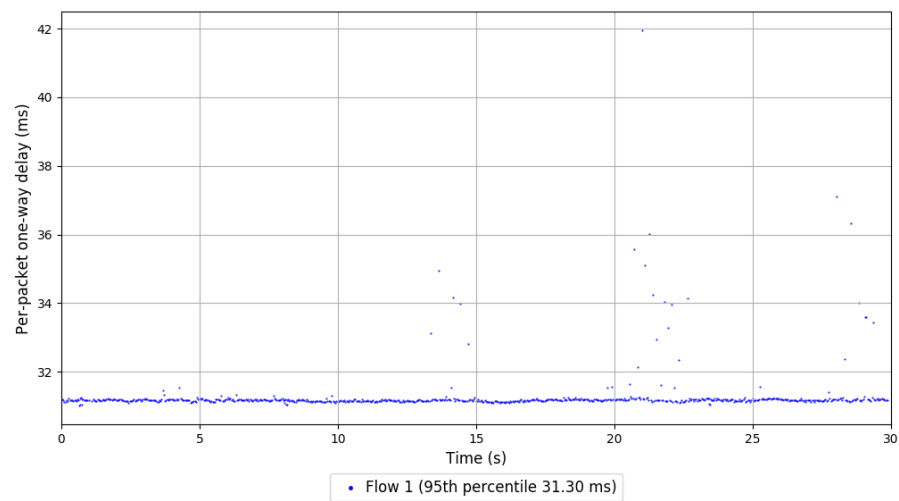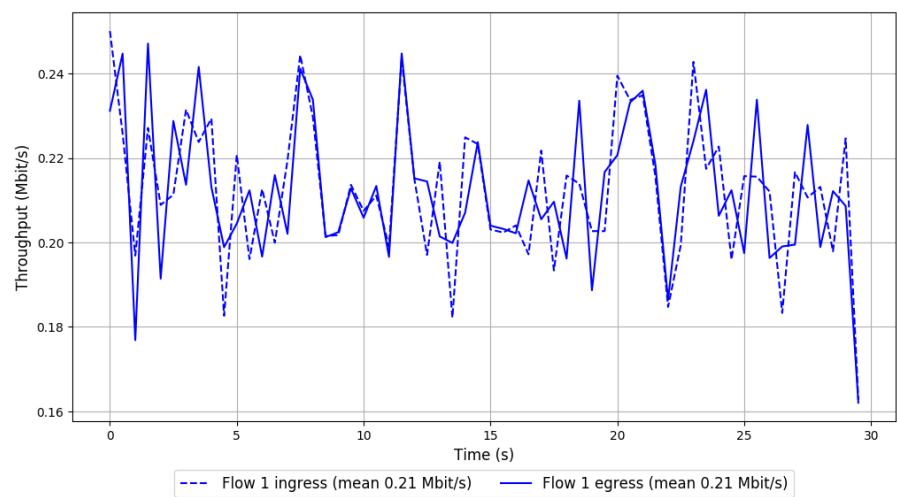
Run 9: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.07 Mbit/s) — — — Flow 1 egress (mean 355.92 Mbit/s)

• Flow 1 (95th percentile 906.96 ms)

```
Run 10: Statistics of SCReAM

Start at: 2017-11-30 11:36:37
End at: 2017-11-30 11:37:07
Local clock offset: 1.192 ms
Remote clock offset: -18.268 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.296 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.296 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)

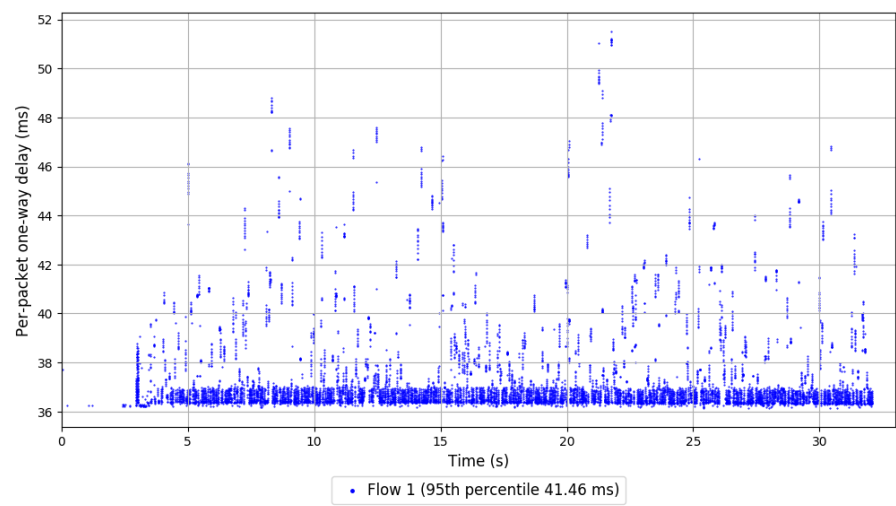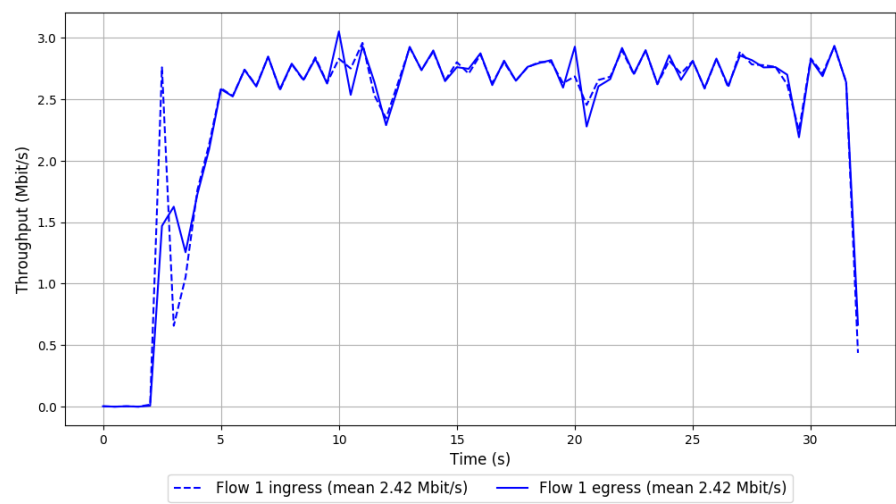Flow 1 (95th percentile 31.30 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2017-11-30 09:05:53
End at: 2017-11-30 09:06:23
Local clock offset: -13.067 ms
Remote clock offset: -21.354 ms

# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 41.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 41.462 ms
Loss rate: 0.00%
```
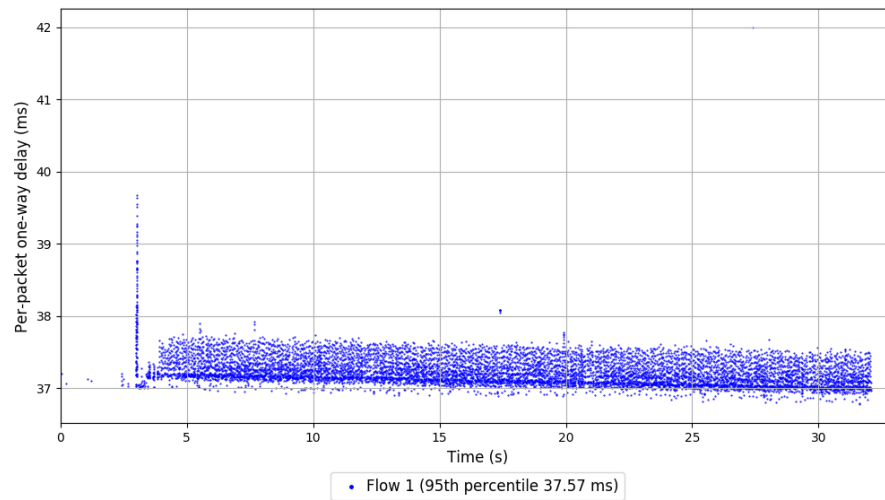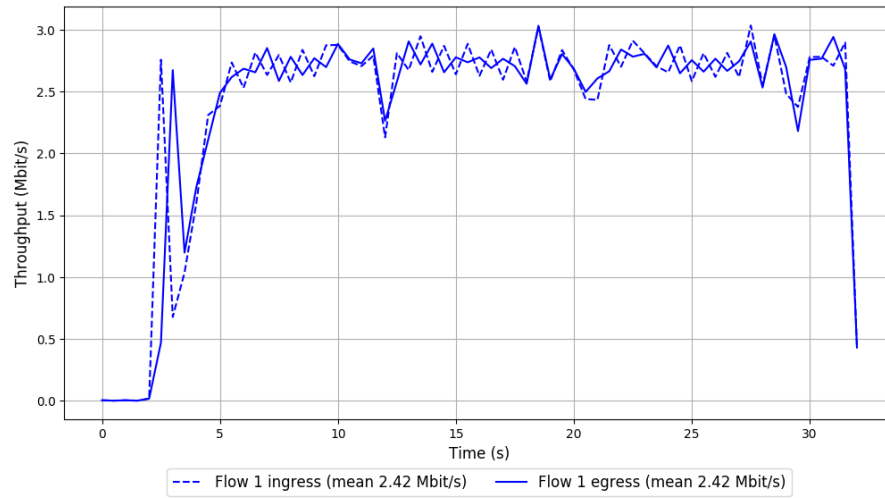
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2017-11-30 09:25:20
End at: 2017-11-30 09:25:50
Local clock offset: -15.814 ms
Remote clock offset: -28.357 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 37.568 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 37.568 ms
Loss rate: 0.14%
```

Run 2: Report of WebRTC media — Data Link

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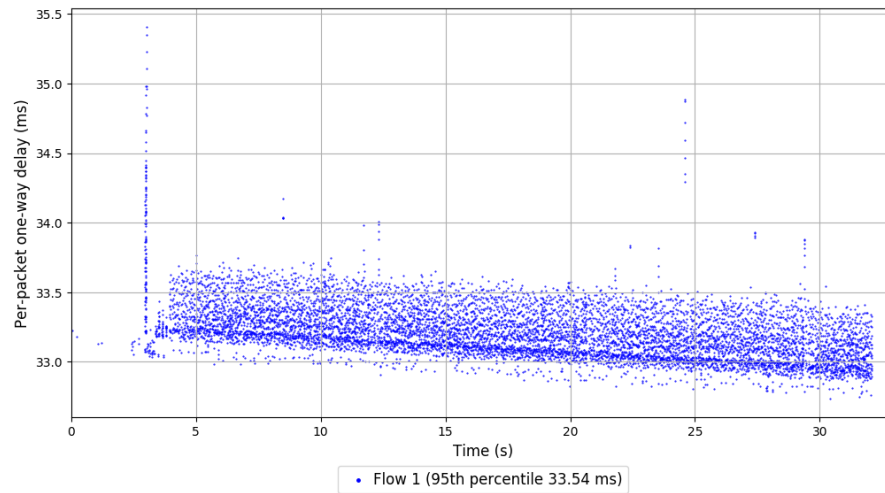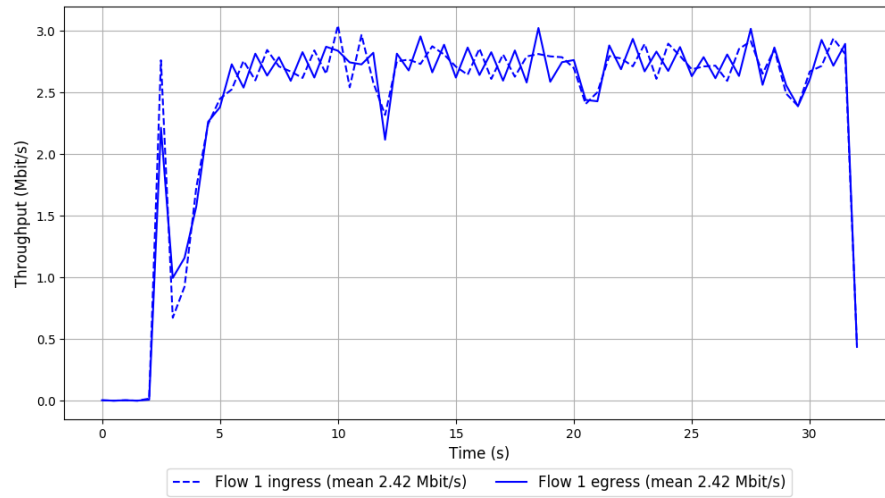

• Flow 1 (95th percentile 37.57 ms)

```
Run 3: Statistics of WebRTC media

Start at: 2017-11-30 09:41:40
End at: 2017-11-30 09:42:10
Local clock offset: -4.829 ms
Remote clock offset: -20.939 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 33.539 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 33.539 ms
Loss rate: 0.10%
```

Run 3: Report of WebRTC media — Data Link

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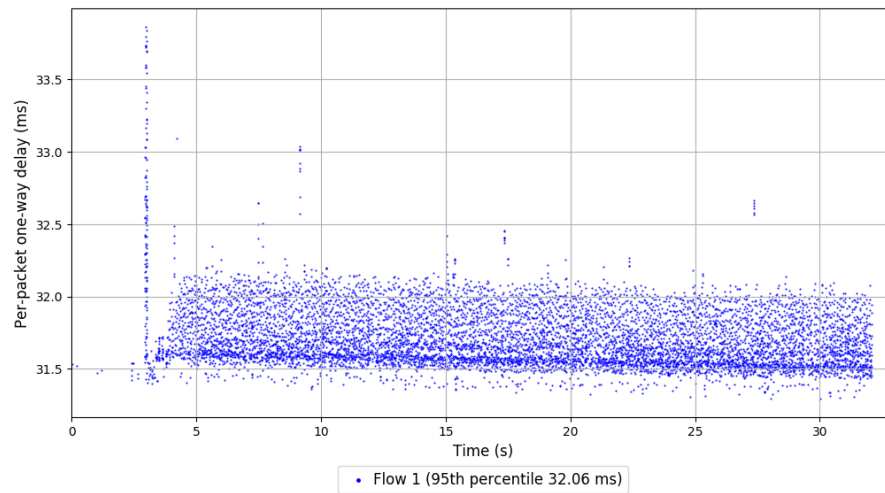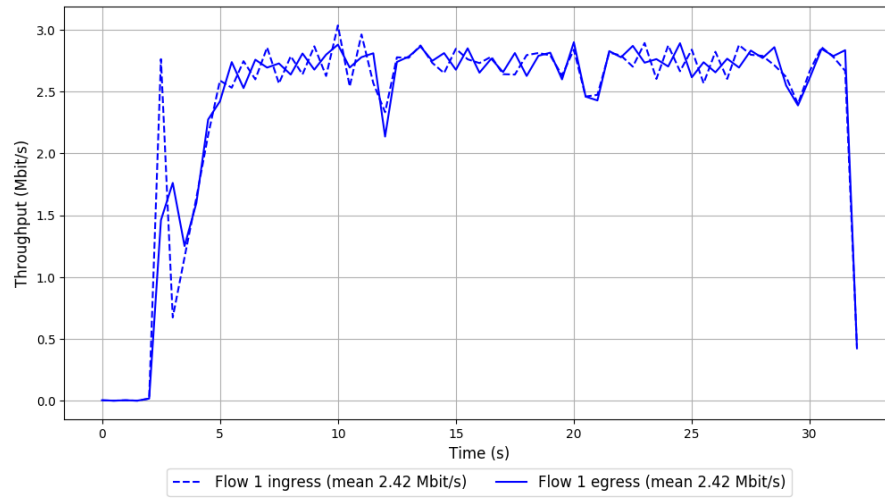

Flow 1 (95th percentile 33.54 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2017-11-30 09:58:18
End at: 2017-11-30 09:58:48
Local clock offset: 1.49 ms
Remote clock offset: -20.22 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 0.04%
```
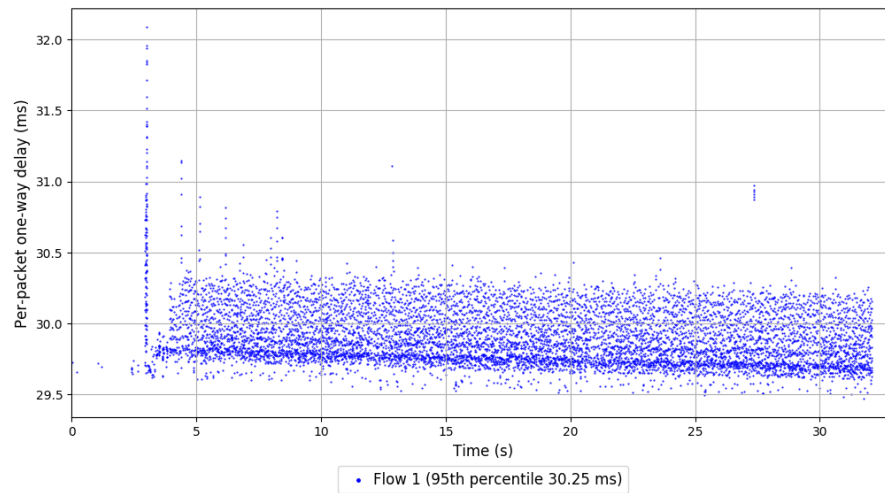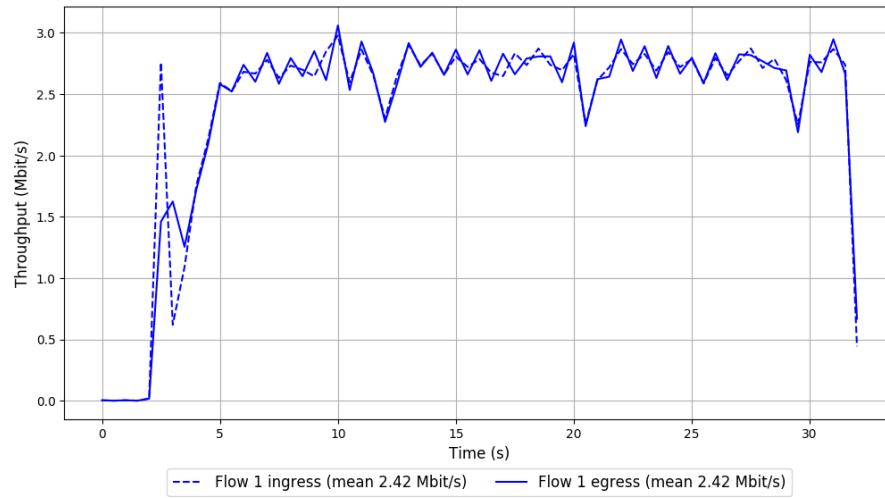
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2017-11-30 10:15:19
End at: 2017-11-30 10:15:49
Local clock offset: 2.708 ms
Remote clock offset: -19.831 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 30.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 30.247 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

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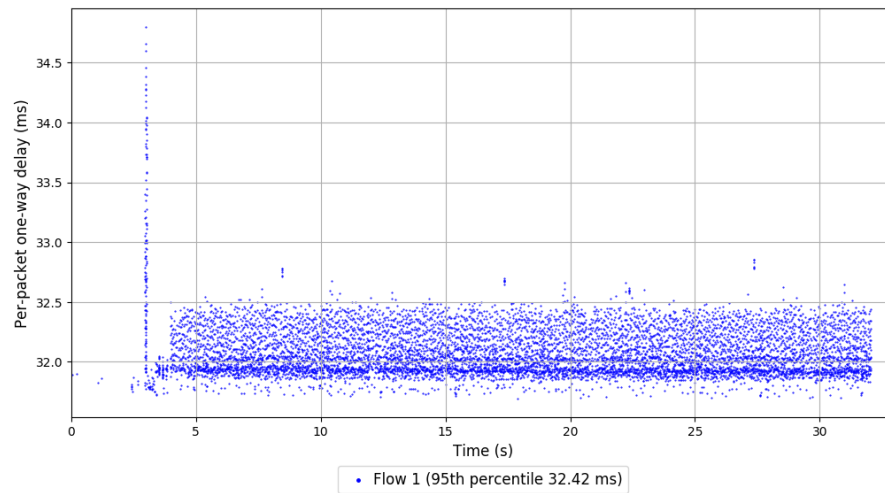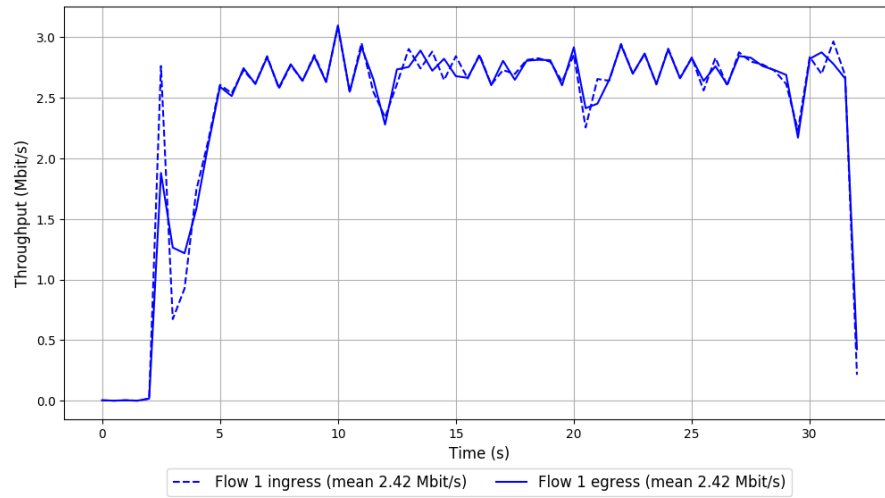

Flow 1 (95th percentile 30.25 ms)

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```
Run 6: Statistics of WebRTC media

Start at: 2017-11-30 10:31:36
End at: 2017-11-30 10:32:06
Local clock offset: 8.717 ms
Remote clock offset: -17.177 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 32.418 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 32.418 ms
Loss rate: 0.03%
```

Run 6: Report of WebRTC media — Data Link

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

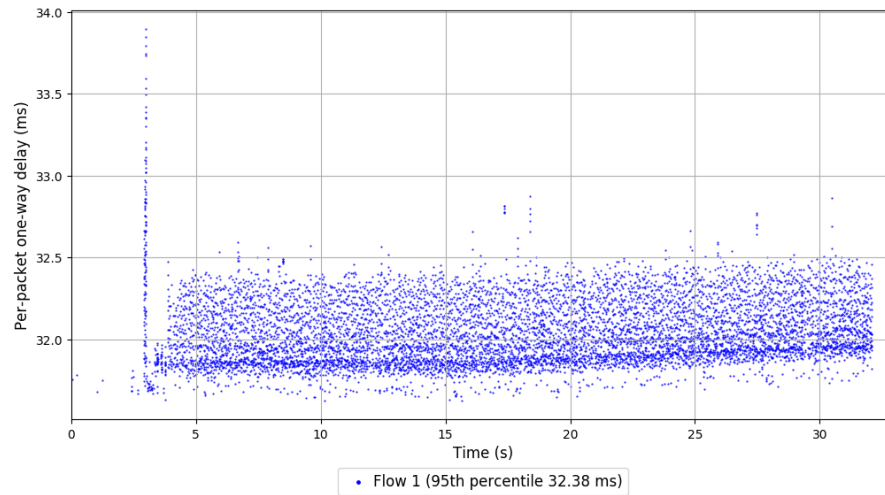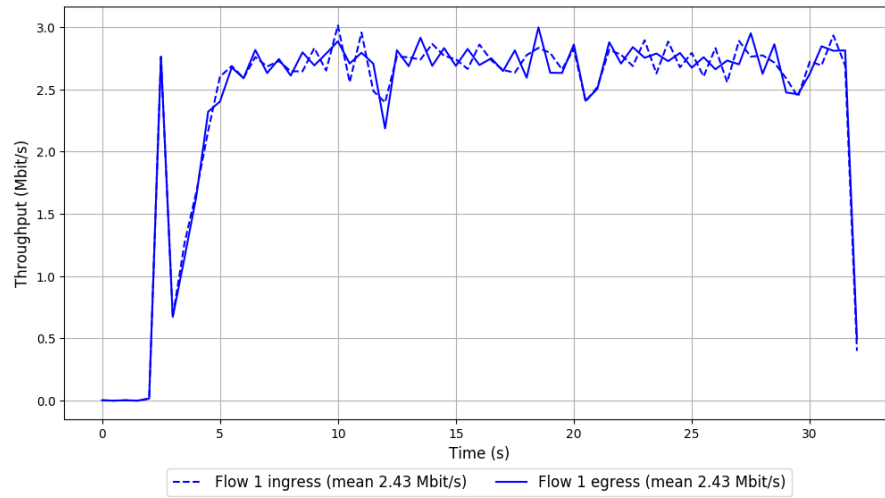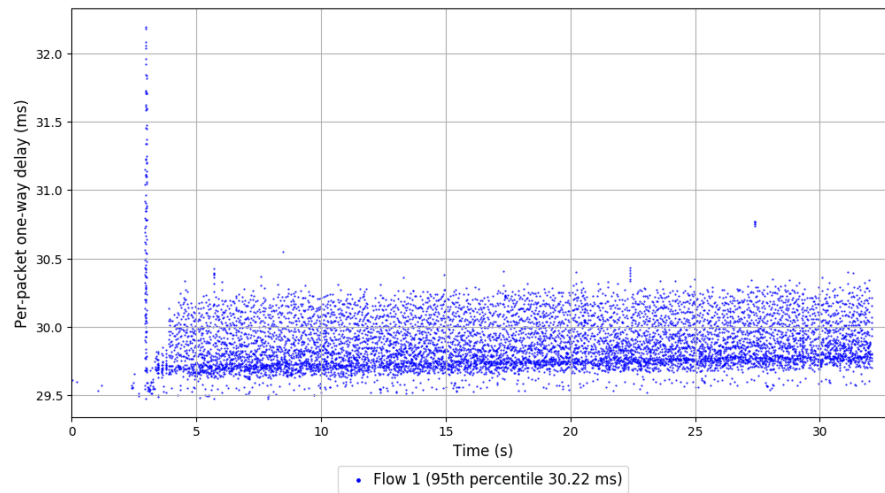

Flow 1 (95th percentile 32.42 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2017-11-30 10:48:11
End at: 2017-11-30 10:48:41
Local clock offset: 9.326 ms
Remote clock offset: -18.082 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 32.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 32.381 ms
Loss rate: 0.00%
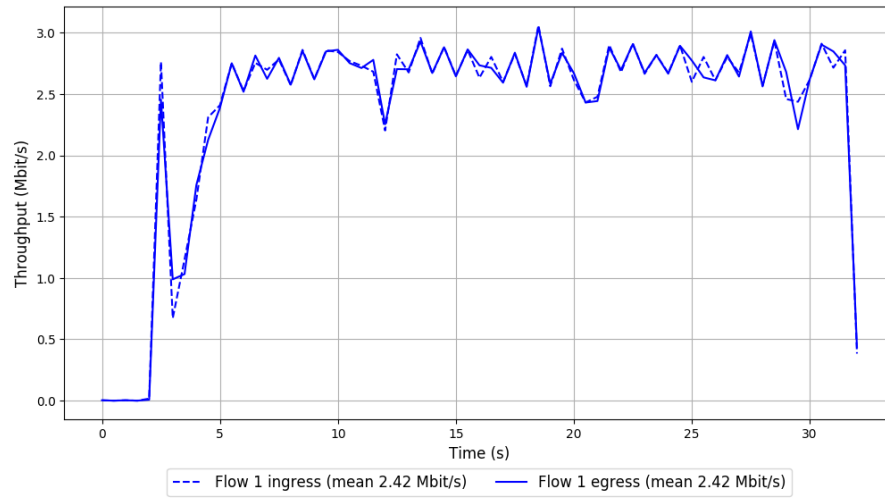```

Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2017-11-30 11:04:46
End at: 2017-11-30 11:05:16
Local clock offset: 2.116 ms
Remote clock offset: -18.929 ms

Below is generated by plot.py at 2017-11-30 14:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 30.216 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 30.216 ms
Loss rate: 0.11%
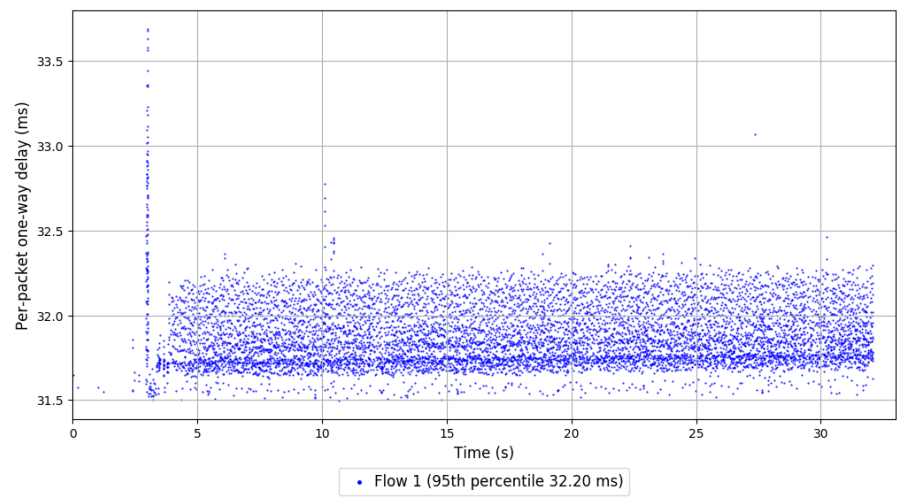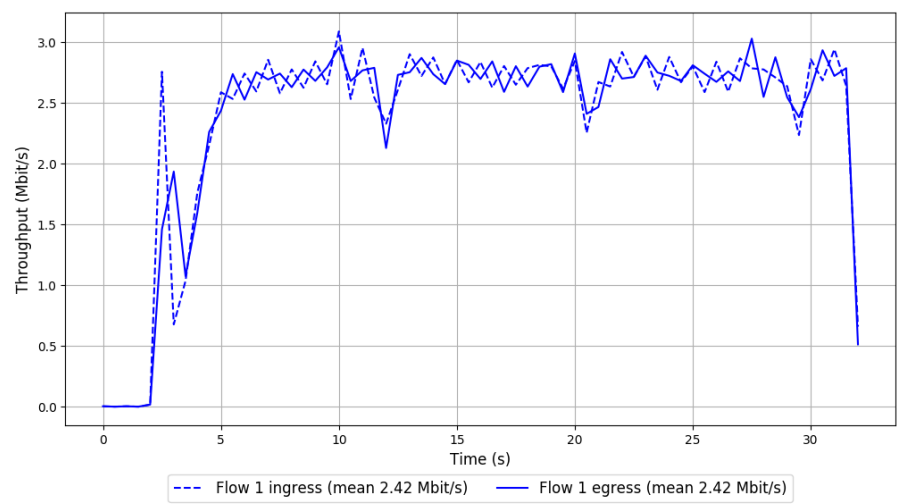```

Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2017-11-30 11:21:13
End at: 2017-11-30 11:21:43
Local clock offset: 2.779 ms
Remote clock offset: -18.575 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 32.202 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 32.202 ms
Loss rate: 0.14%
```
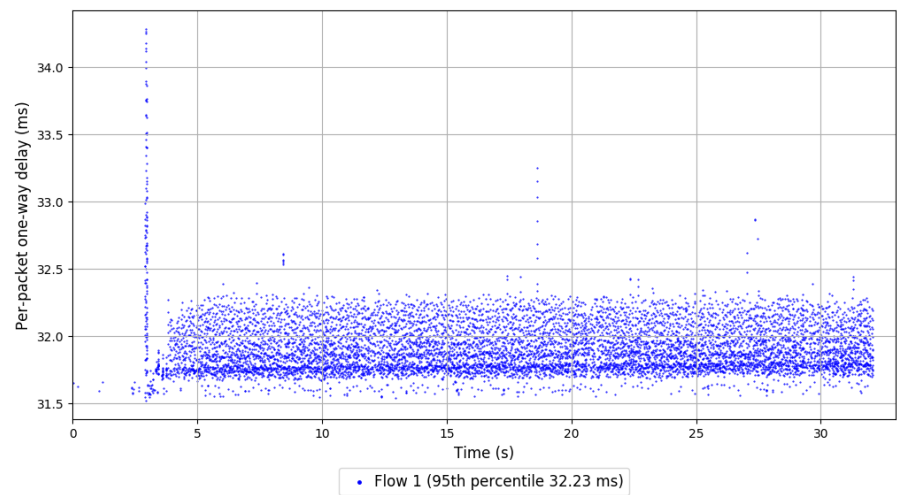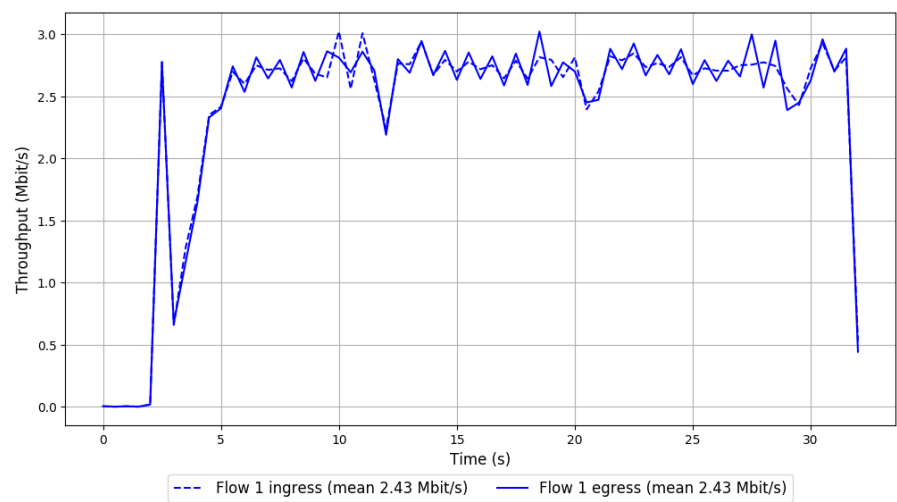
Run 9: Report of WebRTC media — Data Link

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

• Flow 1 (95th percentile 32.20 ms)

```
Run 10: Statistics of WebRTC media

Start at: 2017-11-30 11:37:41
End at: 2017-11-30 11:38:11
Local clock offset: 0.615 ms
Remote clock offset: -19.363 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 32.227 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 32.227 ms
Loss rate: 0.15%
```
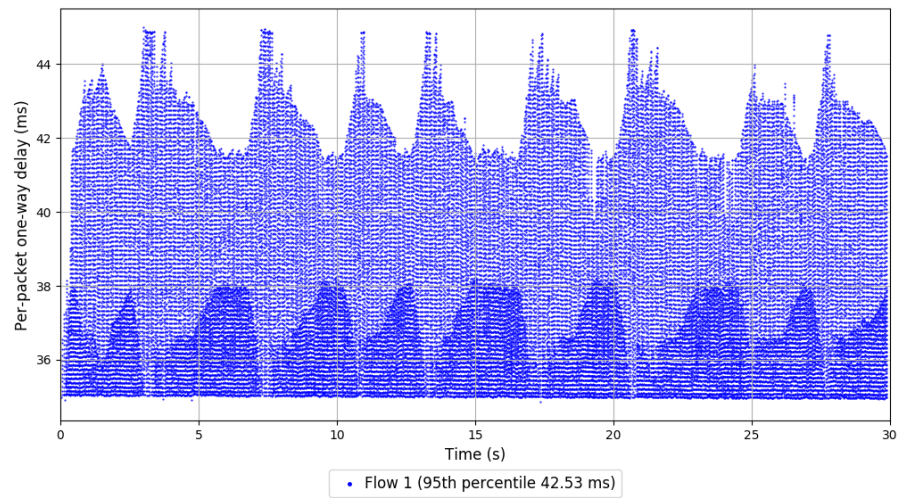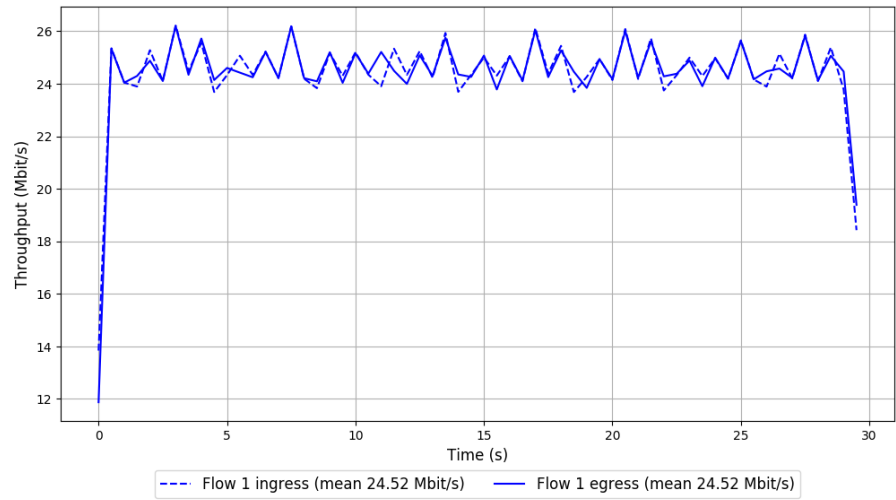
Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-11-30 09:15:50
End at: 2017-11-30 09:16:20
Local clock offset: -12.253 ms
Remote clock offset: -20.976 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 42.532 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 42.532 ms
Loss rate: 0.04%
```

Run 1: Report of Sprout — Data Link

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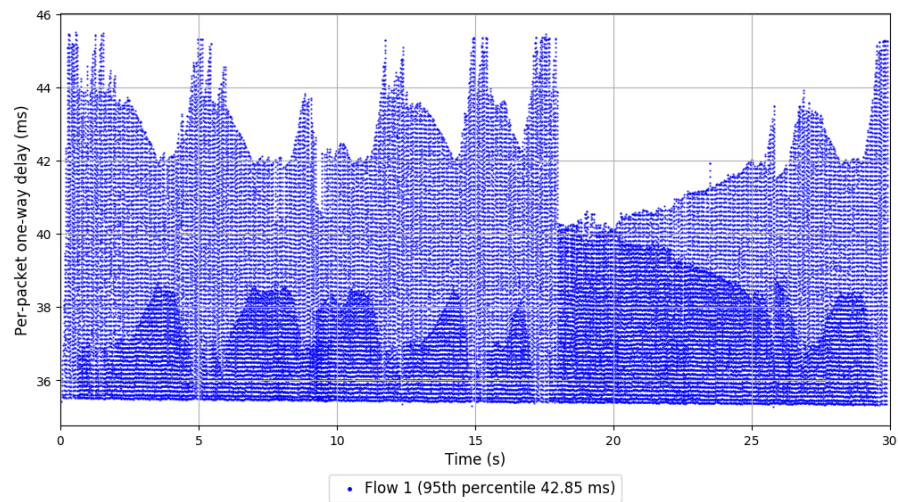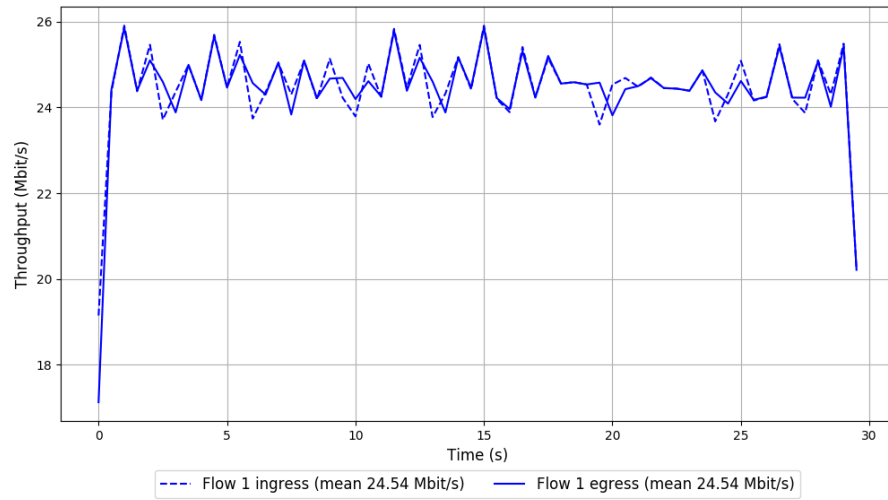

• Flow 1 (95th percentile 42.53 ms)

```
Run 2: Statistics of Sprout

Start at: 2017-11-30 09:32:23
End at: 2017-11-30 09:32:53
Local clock offset: -7.288 ms
Remote clock offset: -20.746 ms


# Below is generated by plot.py at 2017-11-30 14:44:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 42.849 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 42.849 ms
Loss rate: 0.14%
```

Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 24.54 Mbit/s)   Flow 1 egress (mean 24.54 Mbit/s)

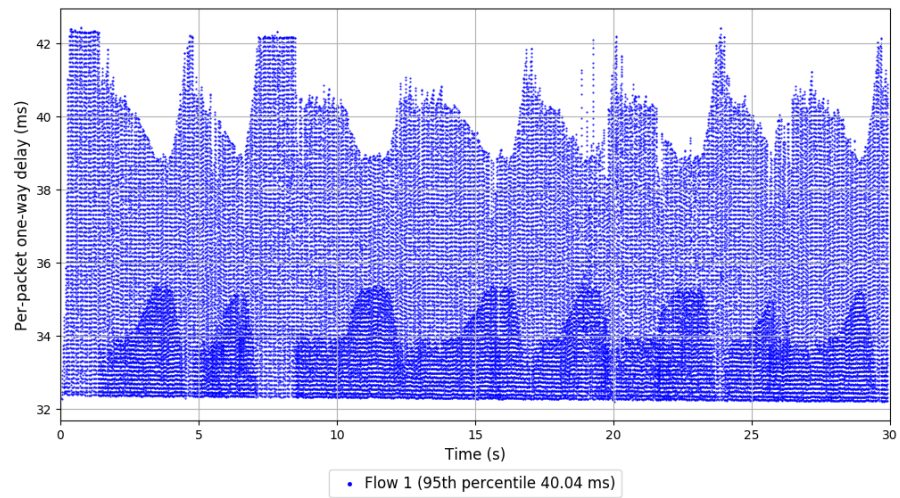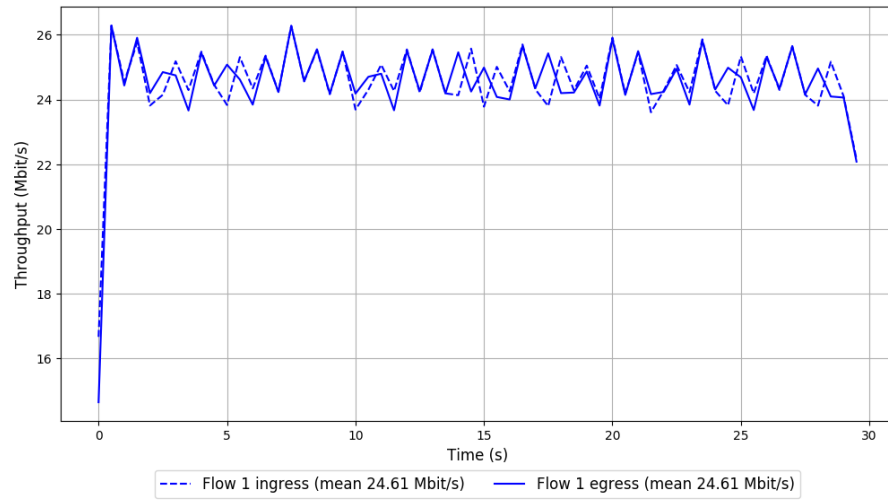Flow 1 (95th percentile 42.85 ms)

```
Run 3: Statistics of Sprout

Start at: 2017-11-30 09:48:50
End at: 2017-11-30 09:49:20
Local clock offset: -1.94 ms
Remote clock offset: -21.765 ms


# Below is generated by plot.py at 2017-11-30 14:44:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 40.039 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 40.039 ms
Loss rate: 0.14%
```

Run 3: Report of Sprout — Data Link

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

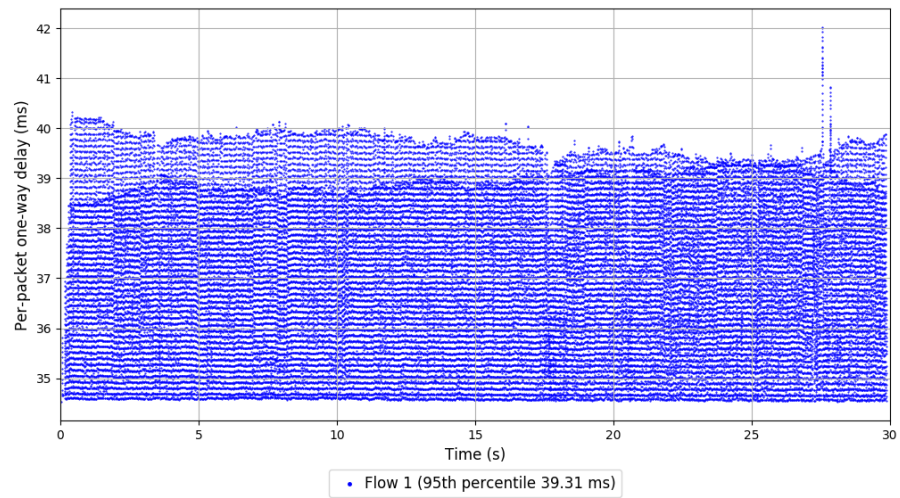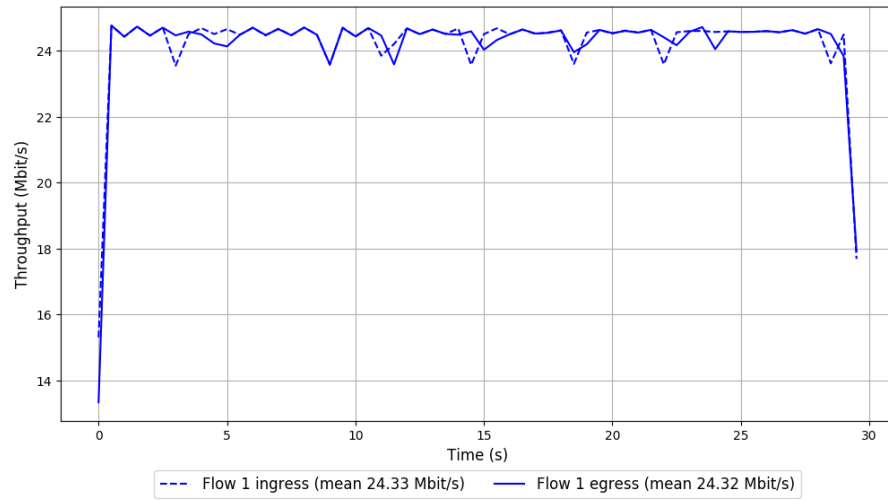• Flow 1 (95th percentile 40.04 ms)

```
Run 4: Statistics of Sprout

Start at: 2017-11-30 10:05:23
End at: 2017-11-30 10:05:53
Local clock offset: 4.129 ms
Remote clock offset: -21.577 ms


# Below is generated by plot.py at 2017-11-30 14:44:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 39.314 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 39.314 ms
Loss rate: 0.10%
```
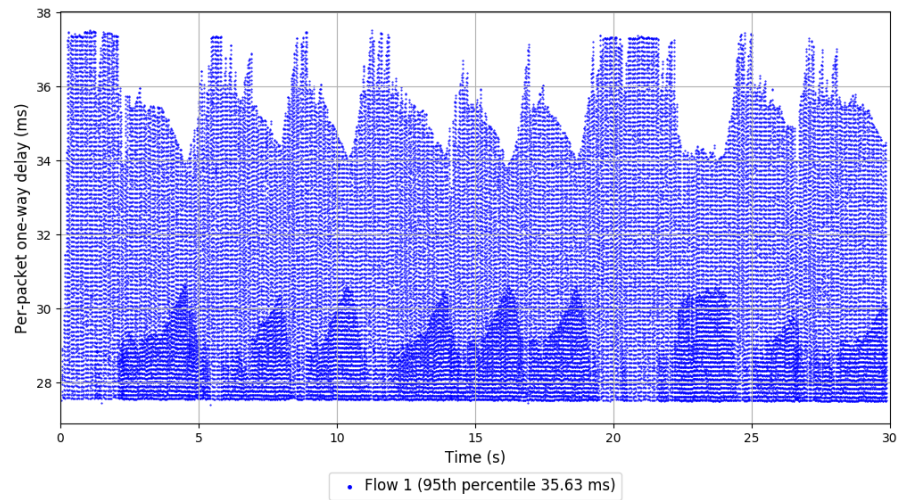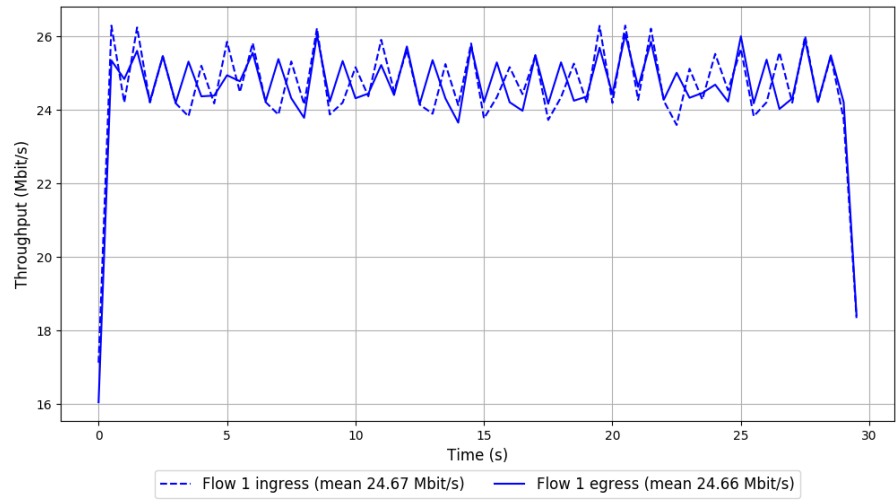
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2017-11-30 10:22:21
End at: 2017-11-30 10:22:51
Local clock offset: 5.31 ms
Remote clock offset: -18.057 ms


# Below is generated by plot.py at 2017-11-30 14:44:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 35.634 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 35.634 ms
Loss rate: 0.10%
```

Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 24.67 Mbit/s)   Flow 1 egress (mean 24.66 Mbit/s)

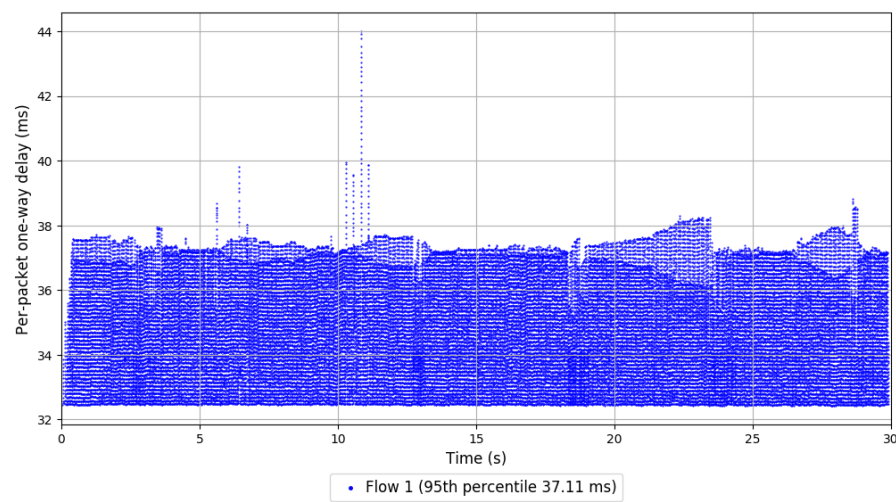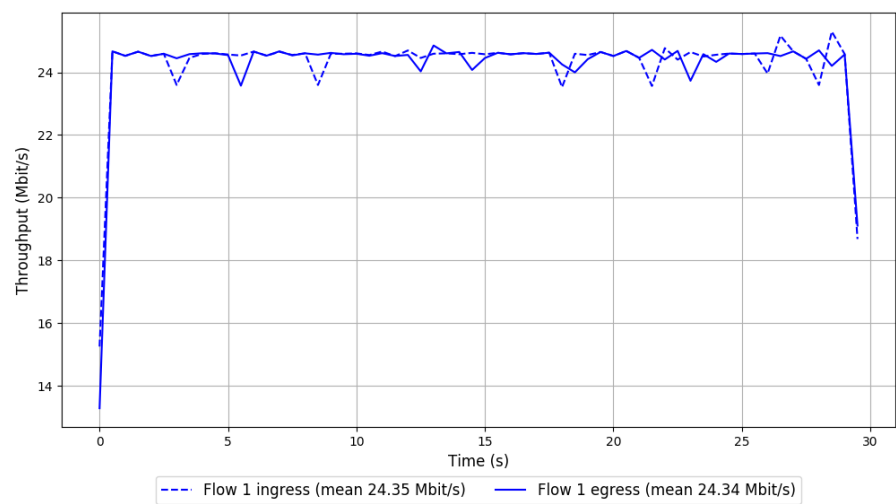Flow 1 (95th percentile 35.63 ms)

```
Run 6: Statistics of Sprout

Start at: 2017-11-30 10:38:44
End at: 2017-11-30 10:39:14
Local clock offset: 8.572 ms
Remote clock offset: -18.089 ms


# Below is generated by plot.py at 2017-11-30 14:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 37.113 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 37.113 ms
Loss rate: 0.11%
```

Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 24.35 Mbit/s) —— Flow 1 egress (mean 24.34 Mbit/s)

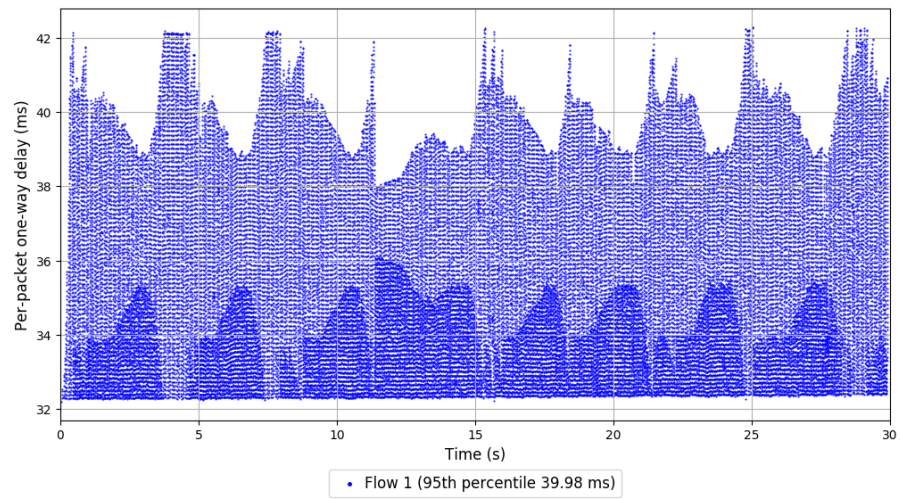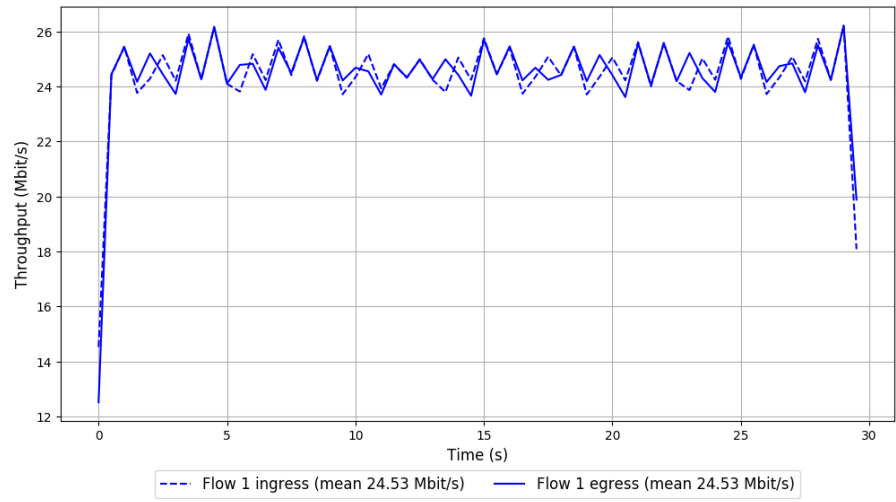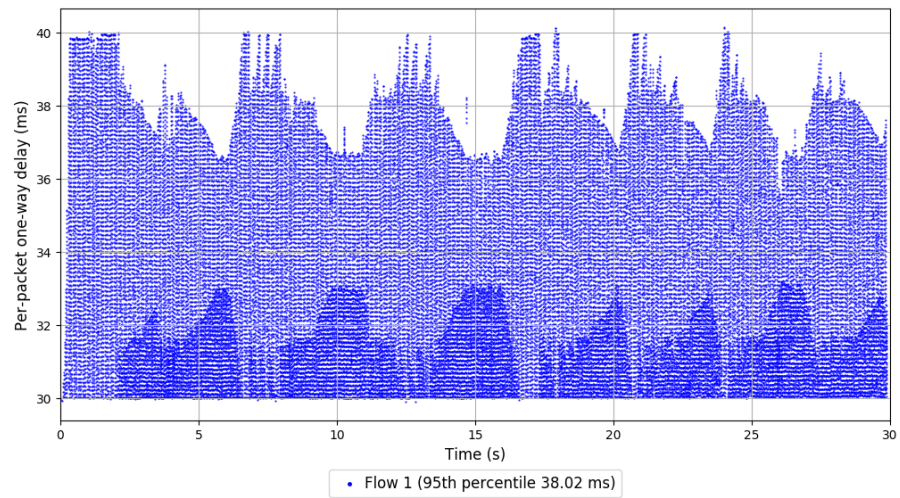· Flow 1 (95th percentile 37.11 ms)

```
Run 7: Statistics of Sprout

Start at: 2017-11-30 10:55:05
End at: 2017-11-30 10:55:36
Local clock offset: 7.265 ms
Remote clock offset: -18.459 ms


# Below is generated by plot.py at 2017-11-30 14:45:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 39.981 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 39.981 ms
Loss rate: 0.01%
```

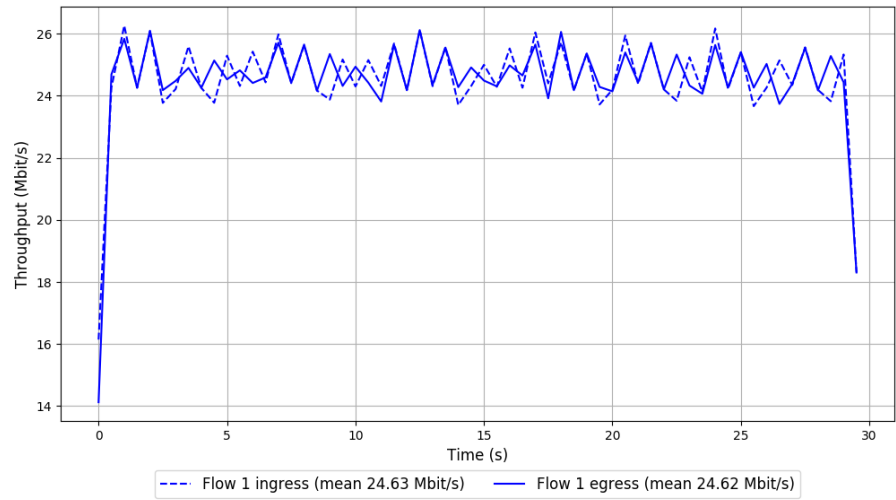Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2017-11-30 11:11:50
End at: 2017-11-30 11:12:20
Local clock offset: 3.528 ms
Remote clock offset: -16.814 ms


# Below is generated by plot.py at 2017-11-30 14:45:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 38.022 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 38.022 ms
Loss rate: 0.10%
```

Run 8: Report of Sprout — Data Link

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

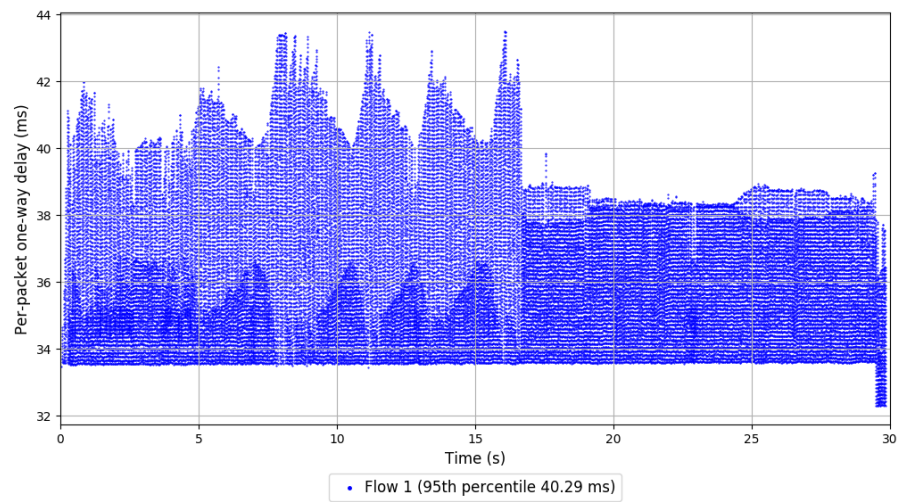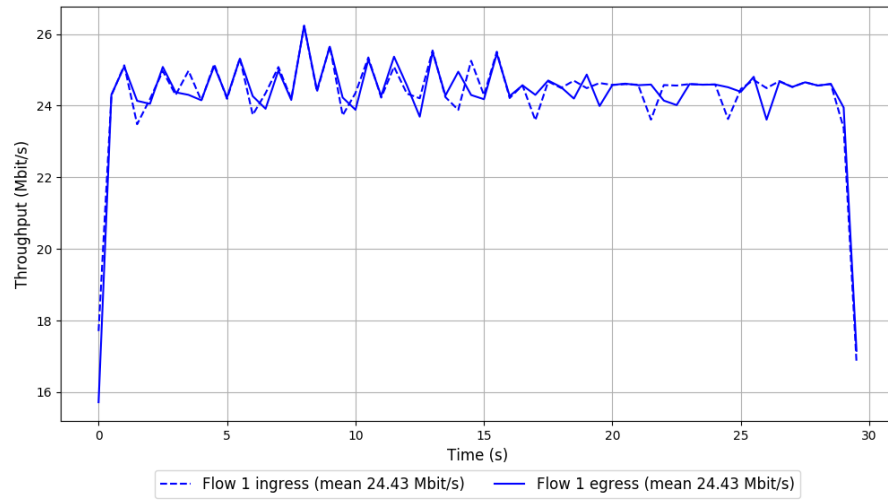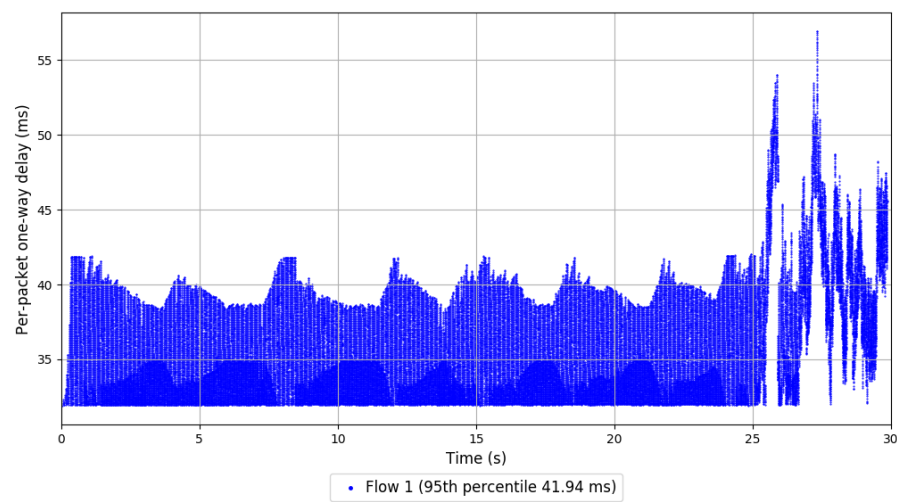• Flow 1 (95th percentile 38.02 ms)

```
Run 9: Statistics of Sprout

Start at: 2017-11-30 11:28:10
End at: 2017-11-30 11:28:40
Local clock offset: 2.123 ms
Remote clock offset: -19.041 ms


# Below is generated by plot.py at 2017-11-30 14:45:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 40.288 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 40.288 ms
Loss rate: 0.07%
```

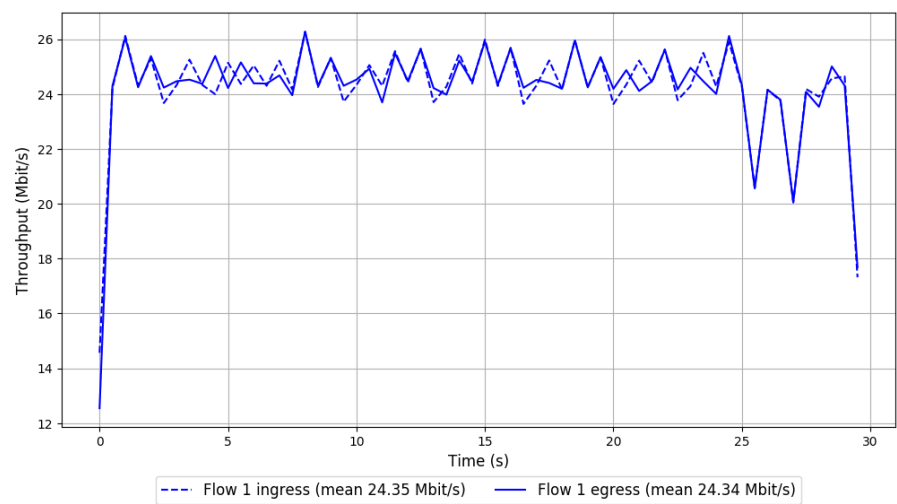Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2017-11-30 11:44:44
End at: 2017-11-30 11:45:14
Local clock offset: 1.934 ms
Remote clock offset: -17.598 ms


# Below is generated by plot.py at 2017-11-30 14:45:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 41.943 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 41.943 ms
Loss rate: 0.13%
```

Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 24.35 Mbit/s)   Flow 1 egress (mean 24.34 Mbit/s)

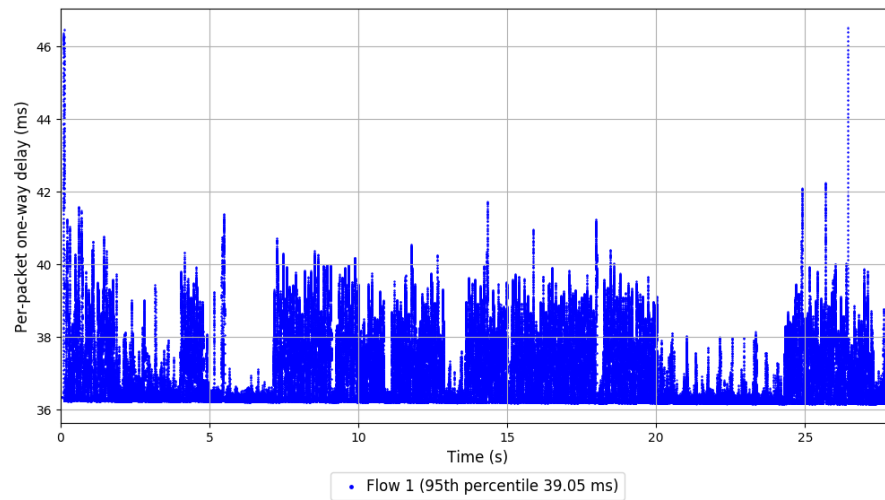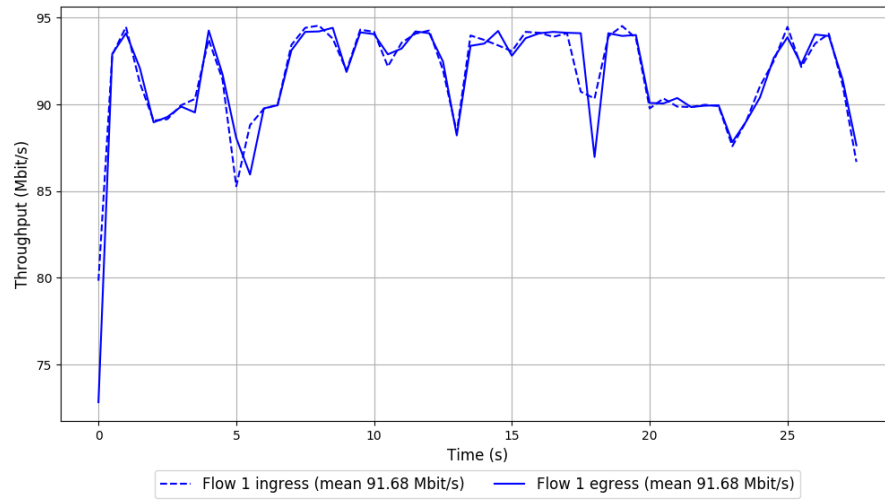• Flow 1 (95th percentile 41.94 ms)

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

Start at: 2017-11-30 09:12:57
End at: 2017-11-30 09:13:27
Local clock offset: -11.977 ms
Remote clock offset: -21.43 ms


# Below is generated by plot.py at 2017-11-30 14:47:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 39.045 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 39.045 ms
Loss rate: 0.11%
```
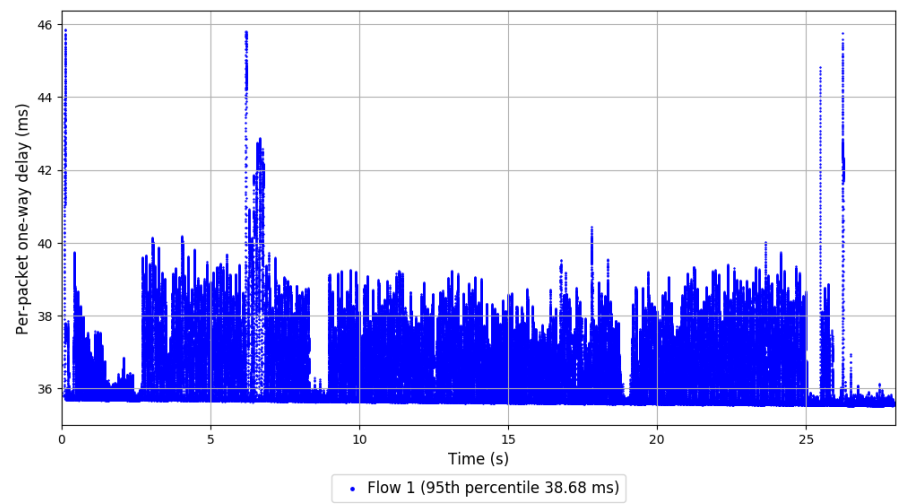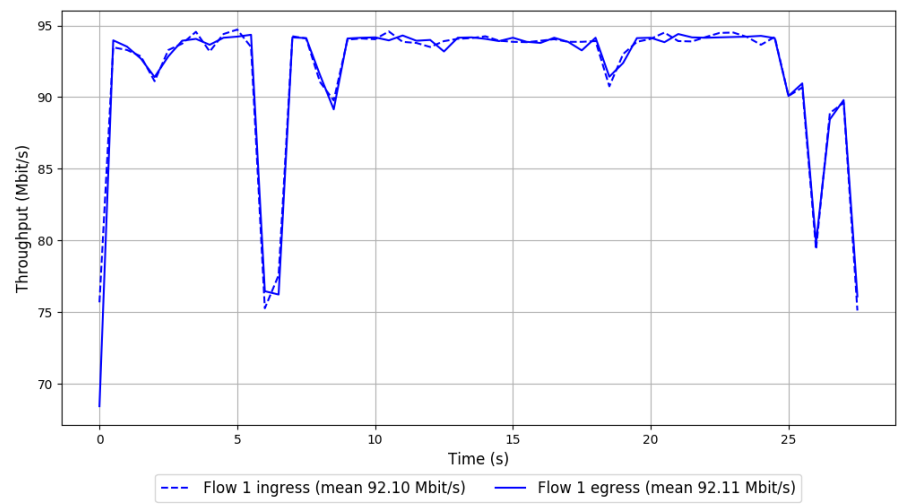
Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2017-11-30 09:29:56
End at: 2017-11-30 09:30:26
Local clock offset: -8.231 ms
Remote clock offset: -21.031 ms

# Below is generated by plot.py at 2017-11-30 14:47:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 38.676 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 38.676 ms
Loss rate: 0.10%
```
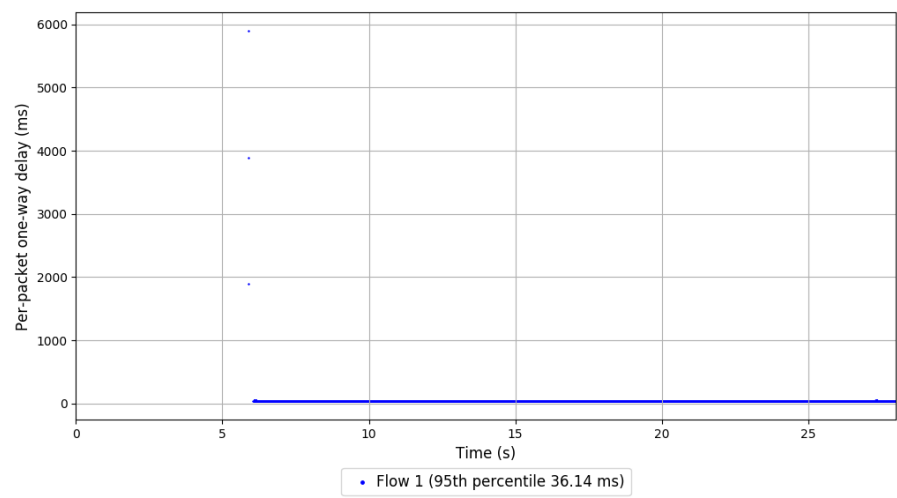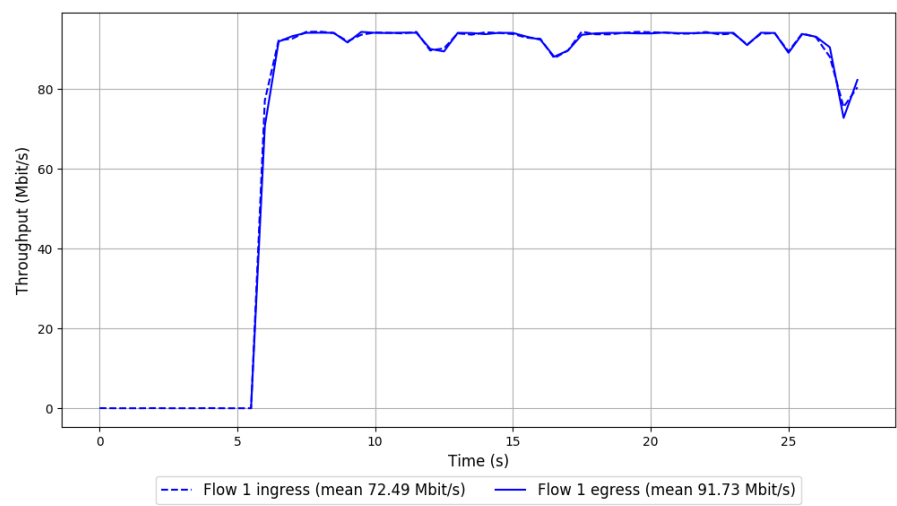
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 92.10 Mbit/s) --- Flow 1 egress (mean 92.11 Mbit/s)
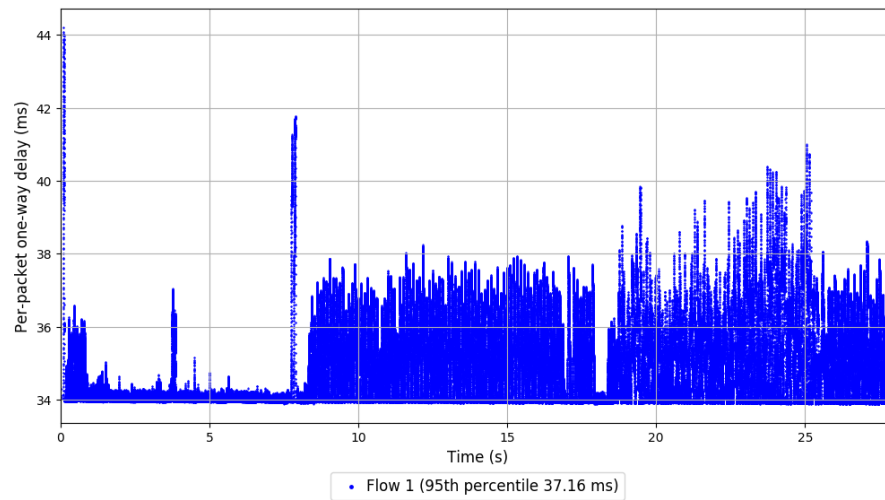

• Flow 1 (95th percentile 38.68 ms)

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

Start at: 2017-11-30 09:46:19
End at: 2017-11-30 09:46:49
Local clock offset: -1.197 ms
Remote clock offset: -19.839 ms
```

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

Flow 1 ingress (mean 72.49 Mbit/s) --- Flow 1 egress (mean 91.73 Mbit/s)

Flow 1 (95th percentile 36.14 ms)

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

Start at: 2017-11-30 10:03:03
End at: 2017-11-30 10:03:33
Local clock offset: 2.55 ms
Remote clock offset: -20.079 ms
```

Run 4: Report of TaoVA-100x — Data Link
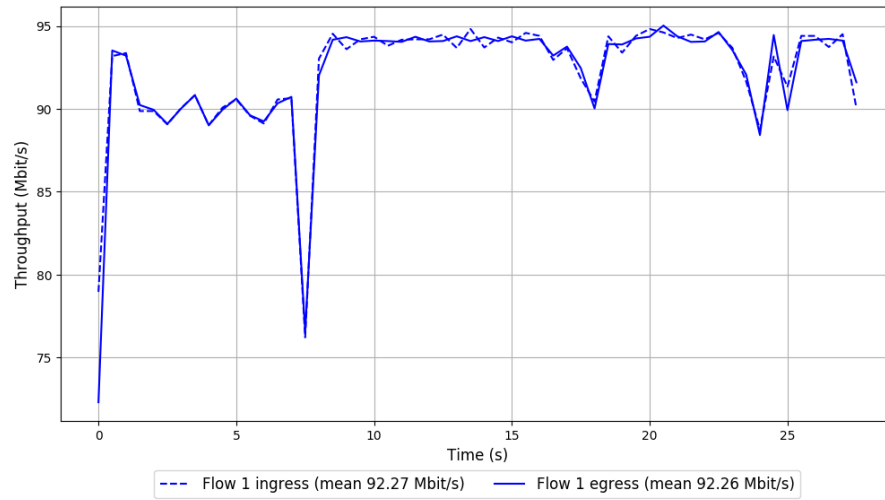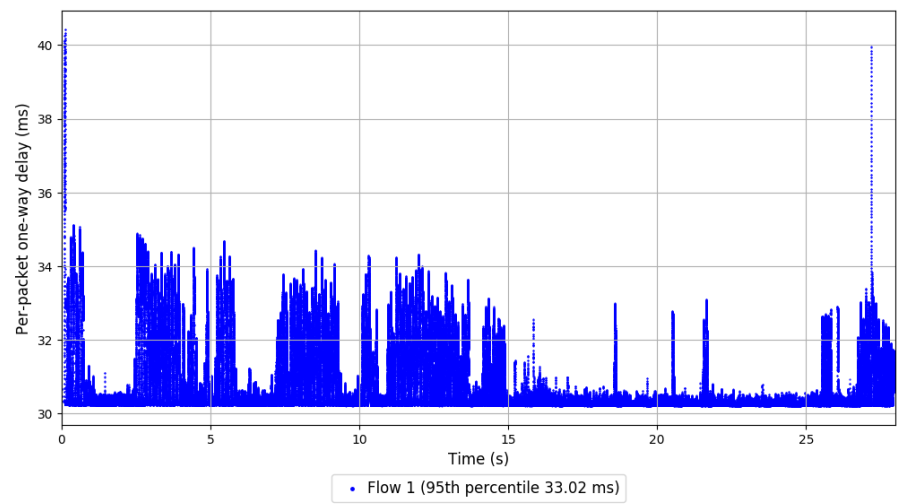
Figure is missing

Figure is missing

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

Start at: 2017-11-30 10:19:55
End at: 2017-11-30 10:20:25
Local clock offset: 5.93 ms
Remote clock offset: -20.058 ms


# Below is generated by plot.py at 2017-11-30 14:47:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 37.164 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 37.164 ms
Loss rate: 0.12%
```

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

Flow 1 ingress (mean 92.27 Mbit/s)   Flow 1 egress (mean 92.26 Mbit/s)
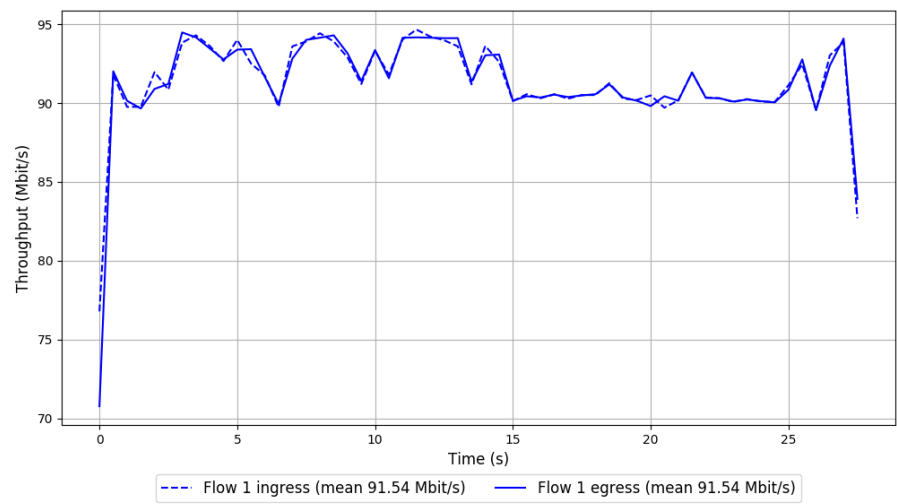

· Flow 1 (95th percentile 37.16 ms)

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

Start at: 2017-11-30 10:36:09
End at: 2017-11-30 10:36:39
Local clock offset: 5.819 ms
Remote clock offset: -18.513 ms

# Below is generated by plot.py at 2017-11-30 14:47:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 33.024 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 33.024 ms
Loss rate: 0.09%
```

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

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

Start at: 2017-11-30 10:52:48
End at: 2017-11-30 10:53:18
Local clock offset: 8.003 ms
Remote clock offset: -16.85 ms
```

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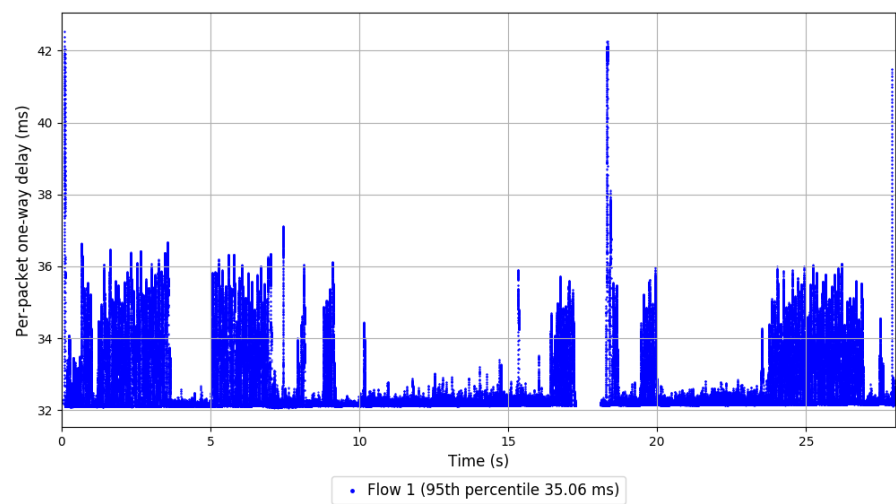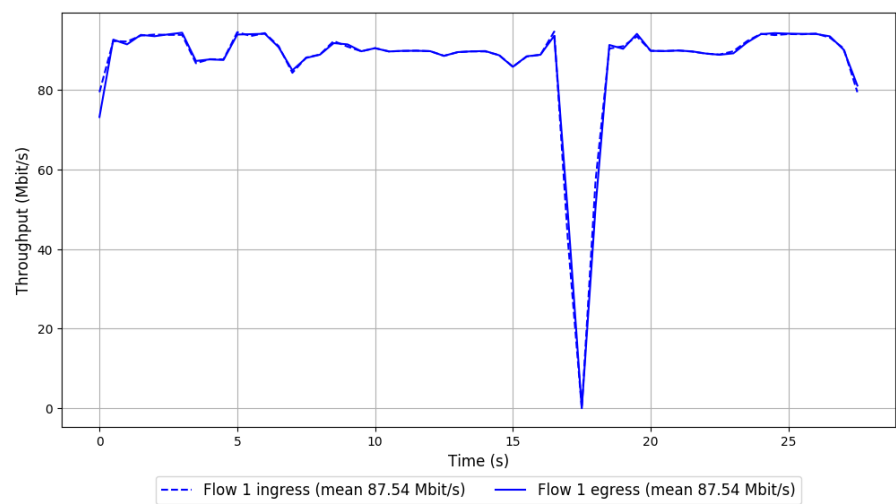
Figure is missing

Figure is missing

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

Start at: 2017-11-30 11:09:21
End at: 2017-11-30 11:09:51
Local clock offset: 3.578 ms
Remote clock offset: -19.173 ms

# Below is generated by plot.py at 2017-11-30 14:47:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 35.061 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 35.061 ms
Loss rate: 0.09%
```
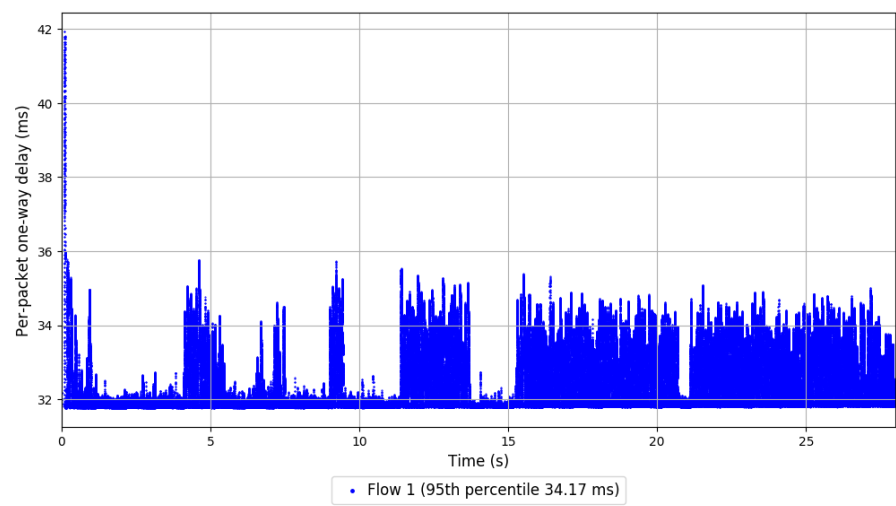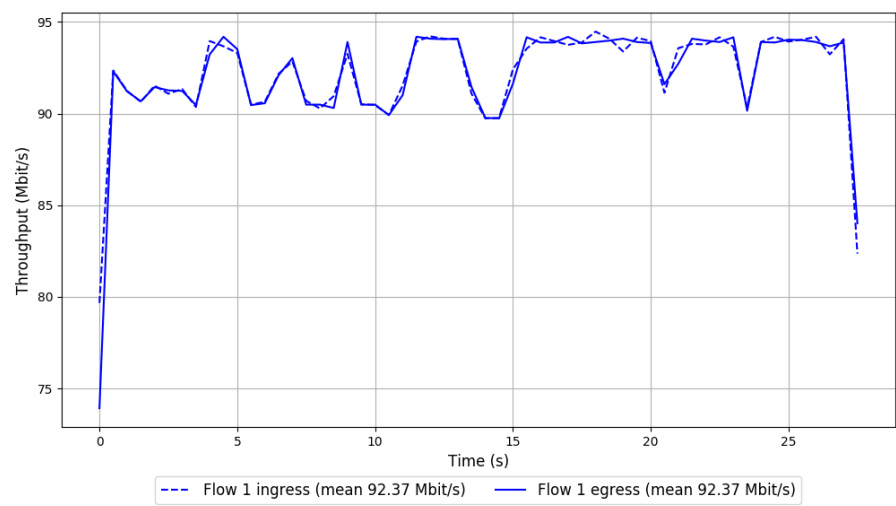
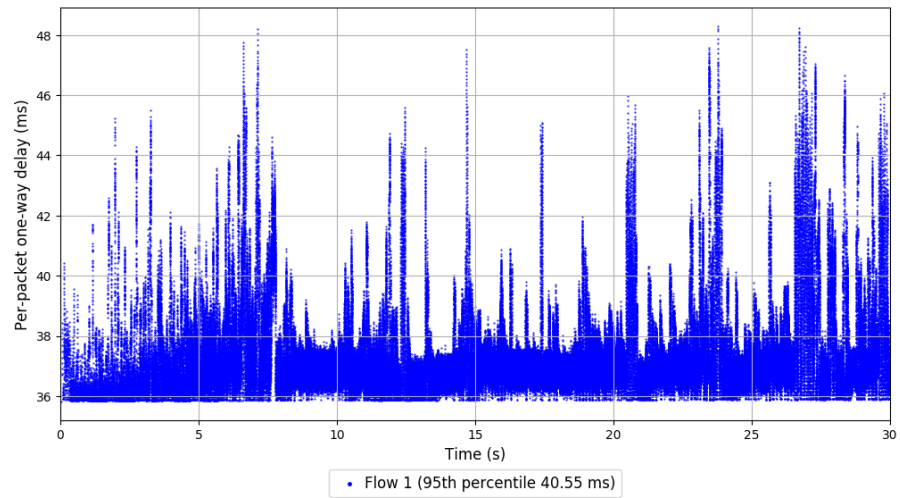## Run 8: Report of TaoVA-100x — Data Link

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

Start at: 2017-11-30 11:25:52
End at: 2017-11-30 11:26:22
Local clock offset: 1.014 ms
Remote clock offset: -16.913 ms
```

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

Figure is missing

Figure is missing

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

Start at: 2017-11-30 11:42:14
End at: 2017-11-30 11:42:44
Local clock offset: 1.655 ms
Remote clock offset: -18.027 ms


# Below is generated by plot.py at 2017-11-30 14:47:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 34.171 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 34.171 ms
Loss rate: 0.09%
```

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

Flow 1 ingress (mean 92.37 Mbit/s) ----- Flow 1 egress (mean 92.37 Mbit/s)
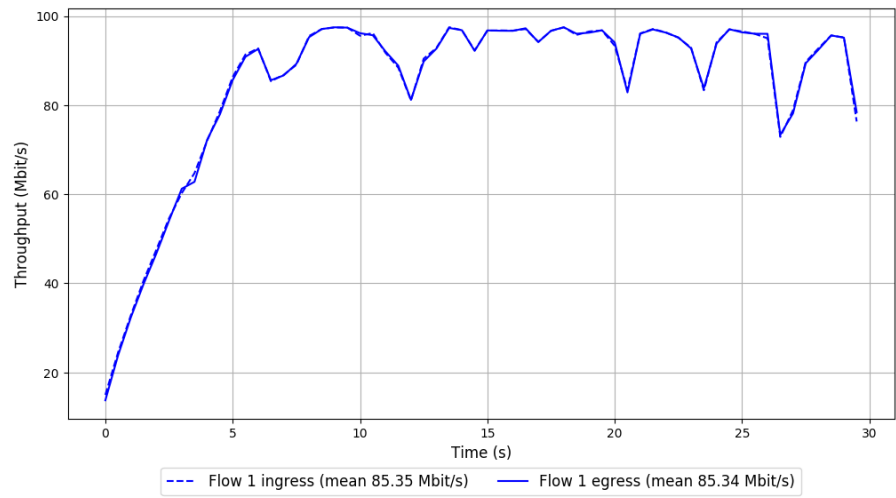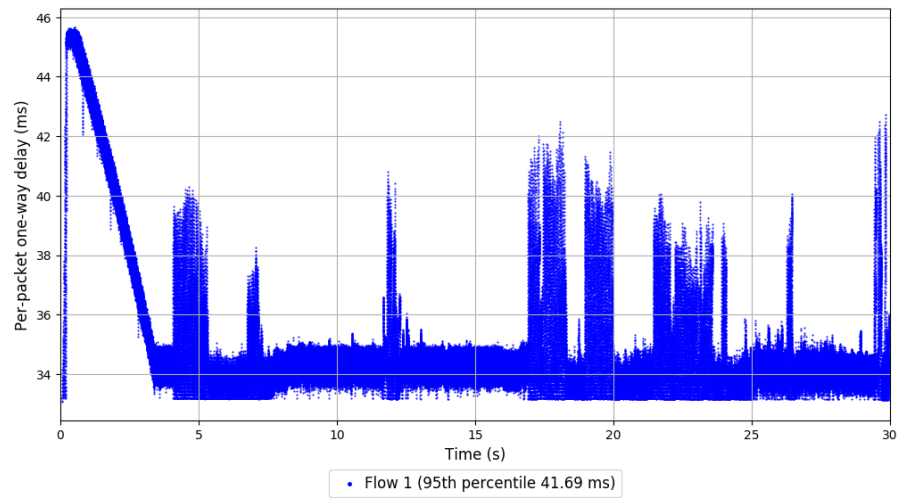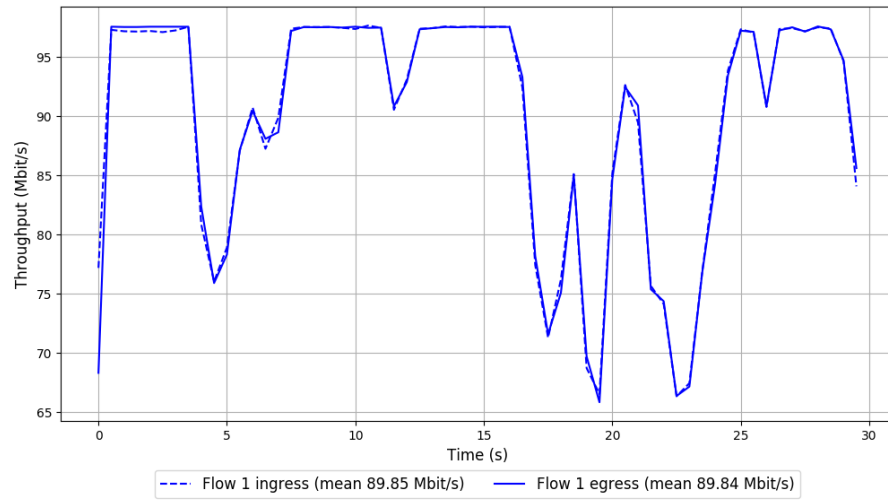

• Flow 1 (95th percentile 34.17 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2017-11-30 09:00:39
End at: 2017-11-30 09:01:09
Local clock offset: -12.919 ms
Remote clock offset: -21.282 ms


# Below is generated by plot.py at 2017-11-30 14:47:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 40.555 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 40.555 ms
Loss rate: 0.10%
```
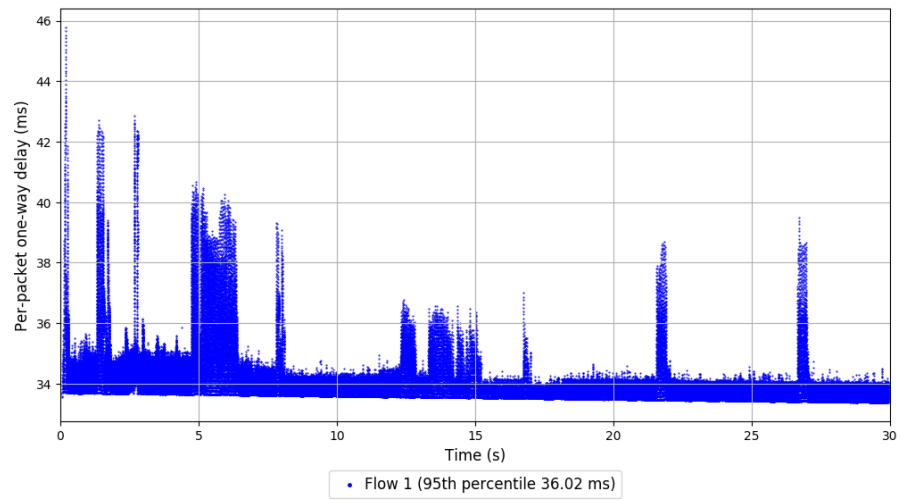
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-11-30 09:23:04
End at: 2017-11-30 09:23:34
Local clock offset: -11.972 ms
Remote clock offset: -19.759 ms


# Below is generated by plot.py at 2017-11-30 14:47:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 41.693 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 41.693 ms
Loss rate: 0.09%
```
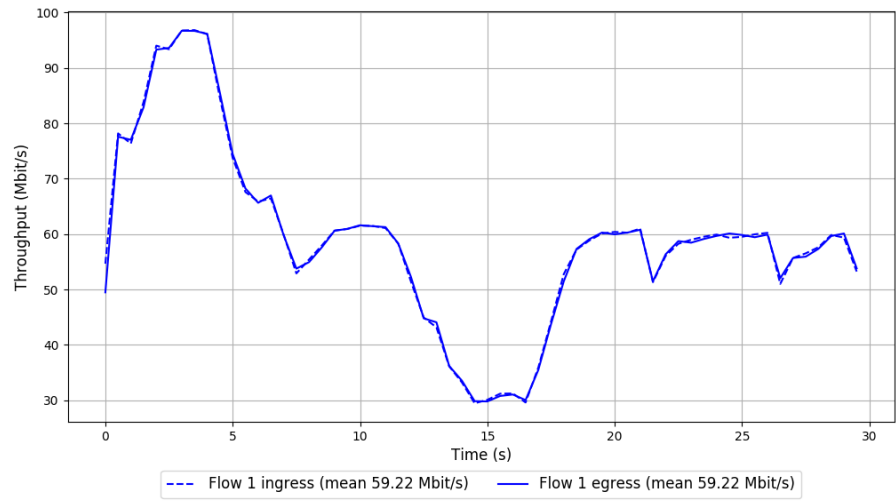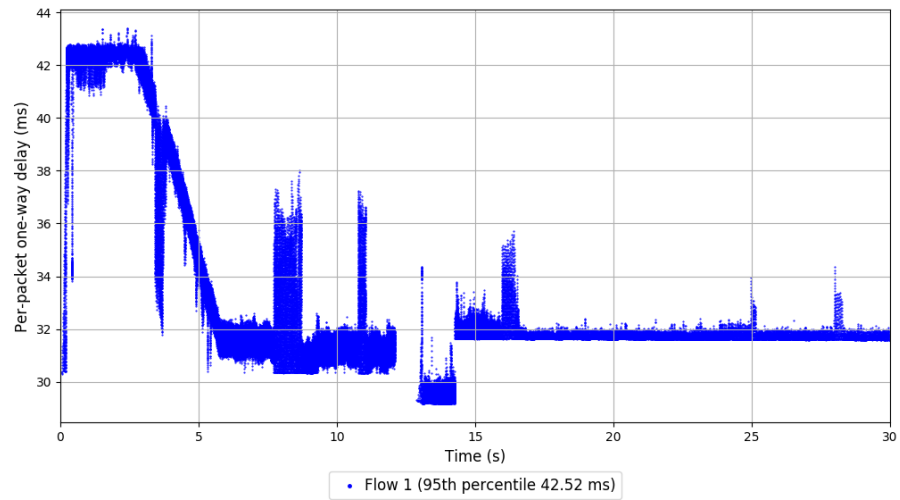
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2017-11-30 09:39:27
End at: 2017-11-30 09:39:57
Local clock offset: -5.357 ms
Remote clock offset: -20.572 ms


# Below is generated by plot.py at 2017-11-30 14:47:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 36.024 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 36.024 ms
Loss rate: 0.09%
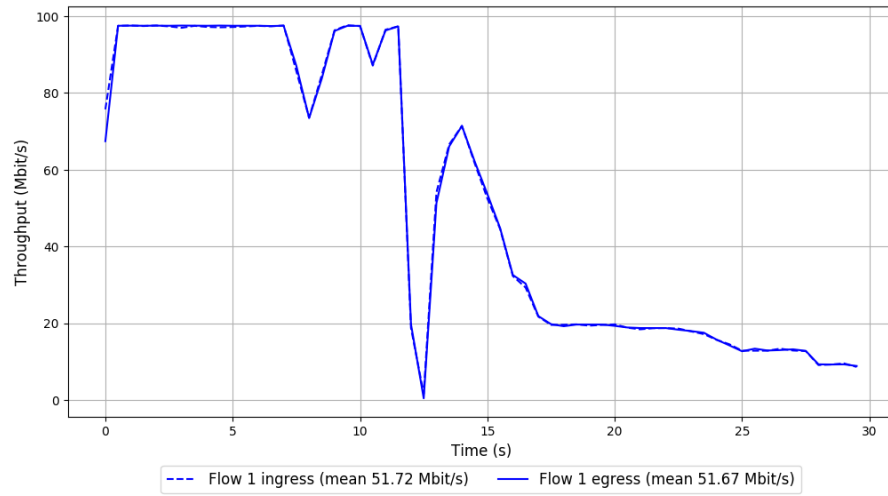```

Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2017-11-30 09:56:05
End at: 2017-11-30 09:56:35
Local clock offset: -0.294 ms
Remote clock offset: -20.297 ms


# Below is generated by plot.py at 2017-11-30 14:47:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.67 Mbit/s
95th percentile per-packet one-way delay: 42.516 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 51.67 Mbit/s
95th percentile per-packet one-way delay: 42.516 ms
Loss rate: 0.18%
```

Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 51.72 Mbit/s)   Flow 1 egress (mean 51.67 Mbit/s)
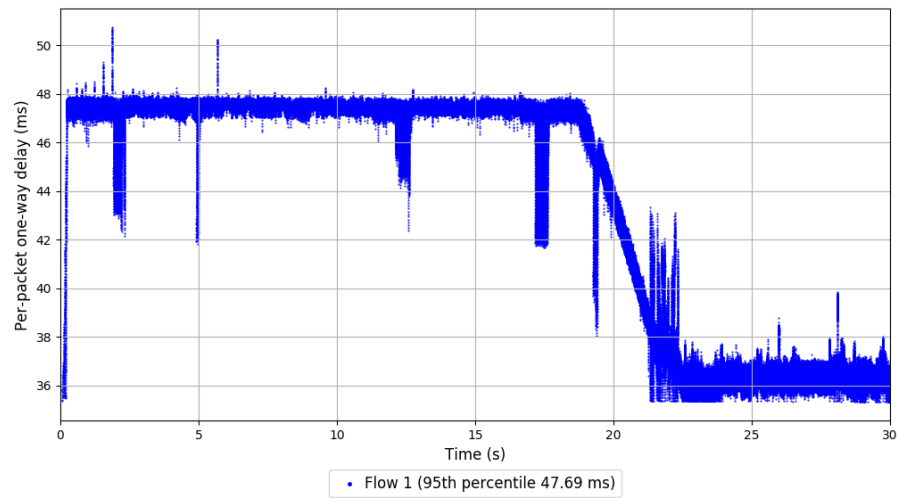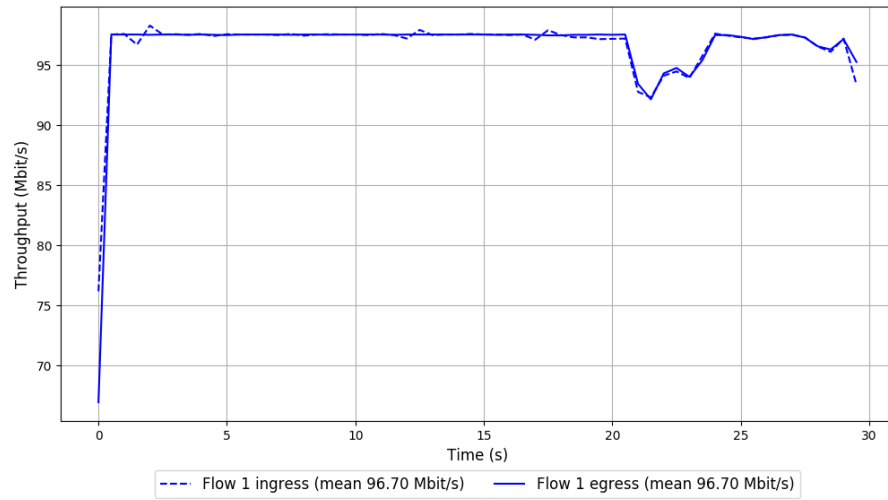

• Flow 1 (95th percentile 42.52 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2017-11-30 10:13:00
End at: 2017-11-30 10:13:30
Local clock offset: 5.197 ms
Remote clock offset: -21.063 ms


# Below is generated by plot.py at 2017-11-30 14:48:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 47.688 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 47.688 ms
Loss rate: 0.09%
```

Run 5: Report of TCP Vegas — Data Link

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

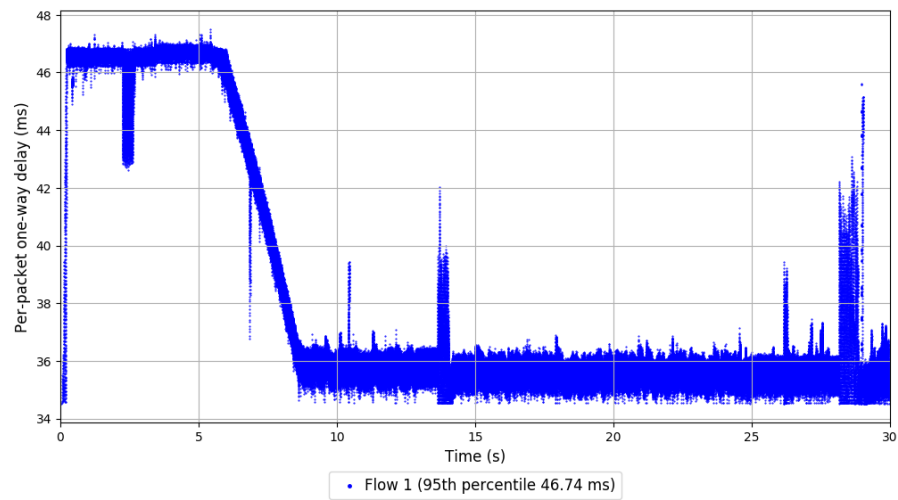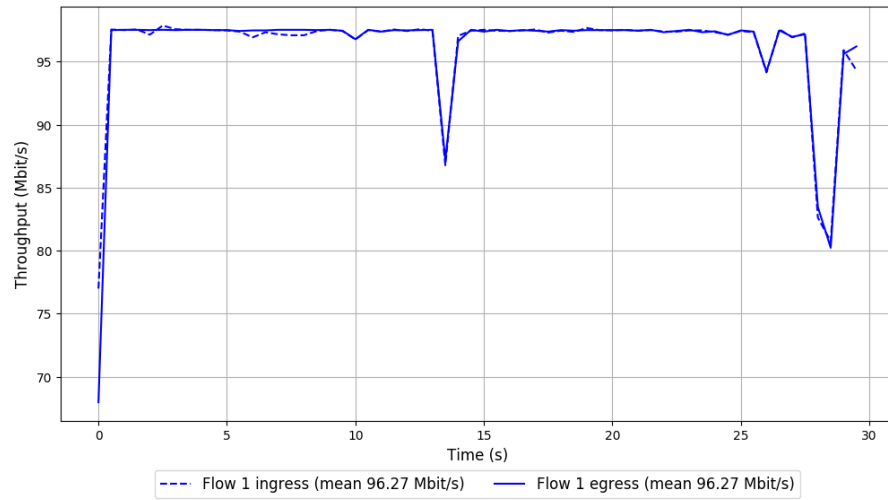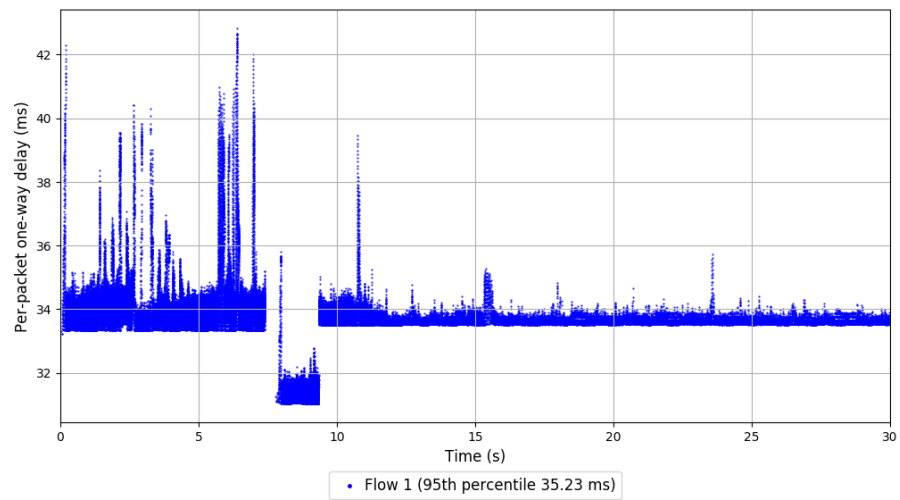Flow 1 (95th percentile 47.69 ms)

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```
Run 6: Statistics of TCP Vegas

Start at: 2017-11-30 10:29:20
End at: 2017-11-30 10:29:50
Local clock offset: 10.148 ms
Remote clock offset: -18.262 ms


# Below is generated by plot.py at 2017-11-30 14:48:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 46.745 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 46.745 ms
Loss rate: 0.09%
```

Run 6: Report of TCP Vegas — Data Link

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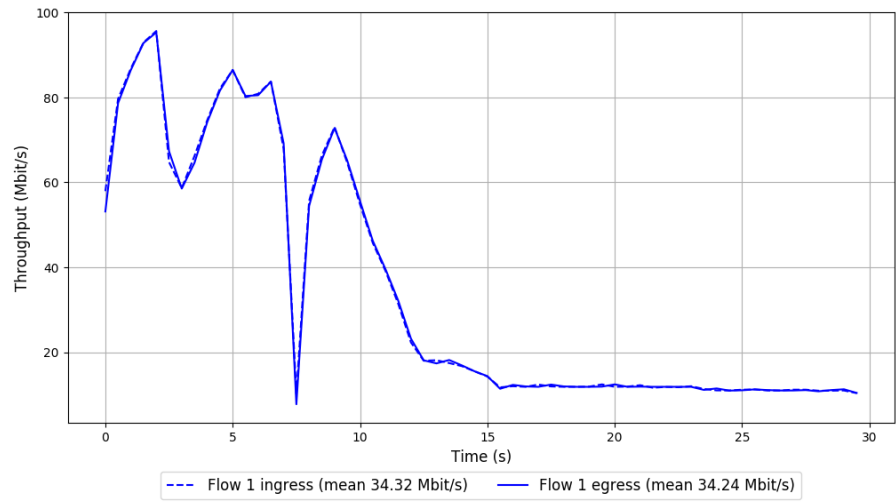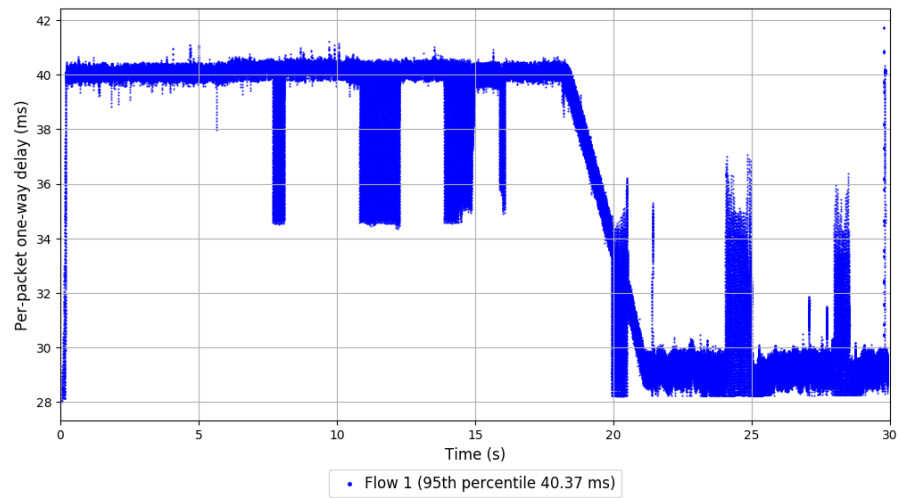

• Flow 1 (95th percentile 46.74 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2017-11-30 10:45:58
End at: 2017-11-30 10:46:28
Local clock offset: 9.493 ms
Remote clock offset: -18.318 ms


# Below is generated by plot.py at 2017-11-30 14:48:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 35.232 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 35.232 ms
Loss rate: 0.30%
```
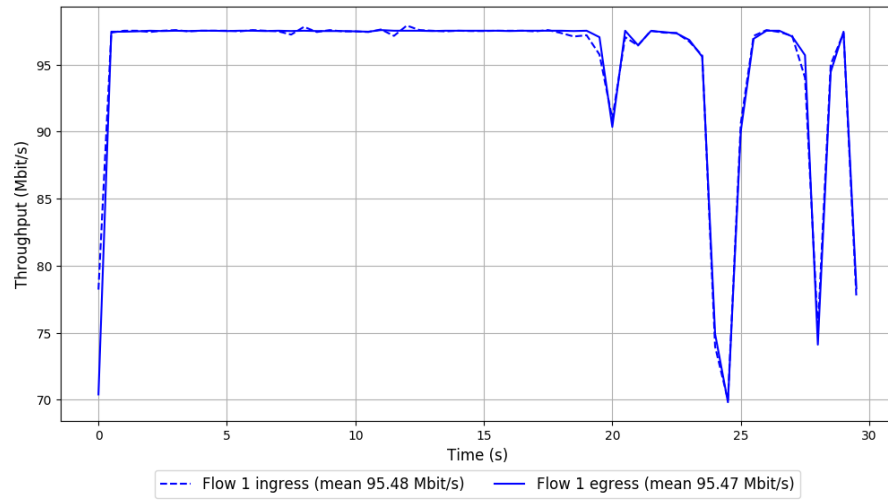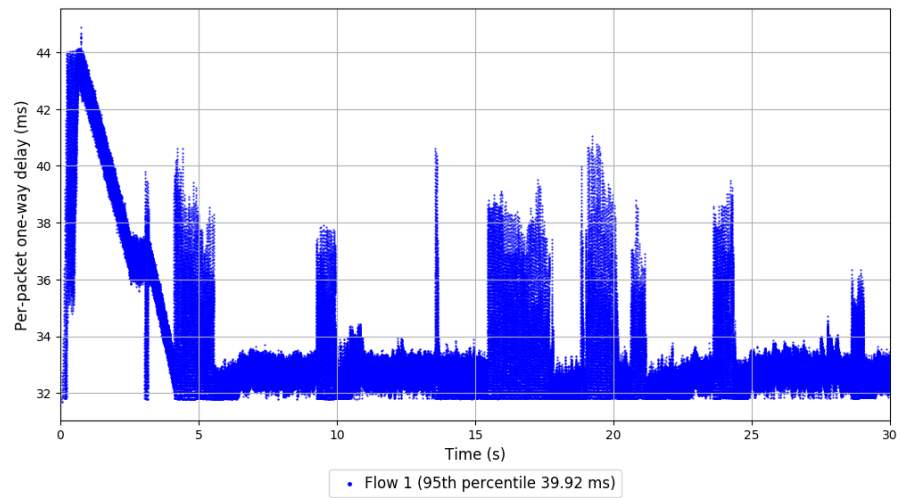
Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2017-11-30 11:02:31
End at: 2017-11-30 11:03:01
Local clock offset: 2.364 ms
Remote clock offset: -17.726 ms


# Below is generated by plot.py at 2017-11-30 14:48:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 40.369 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 40.369 ms
Loss rate: 0.09%
```

Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 95.48 Mbit/s)   Flow 1 egress (mean 95.47 Mbit/s)
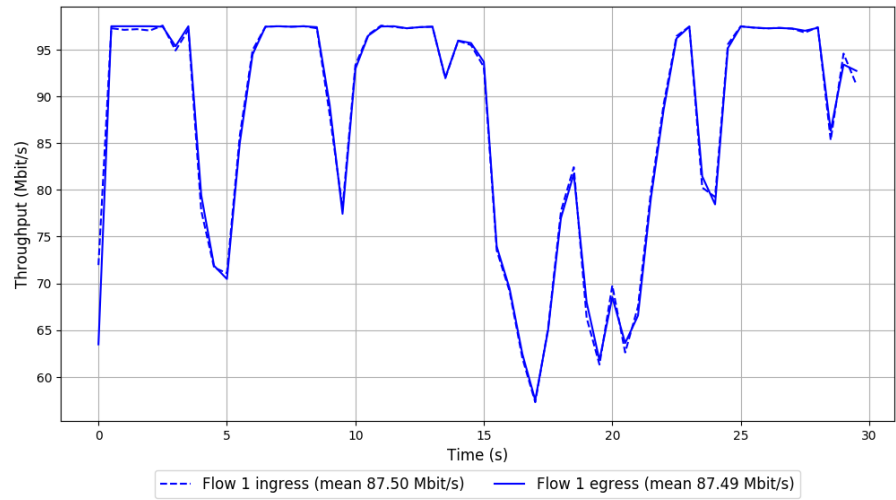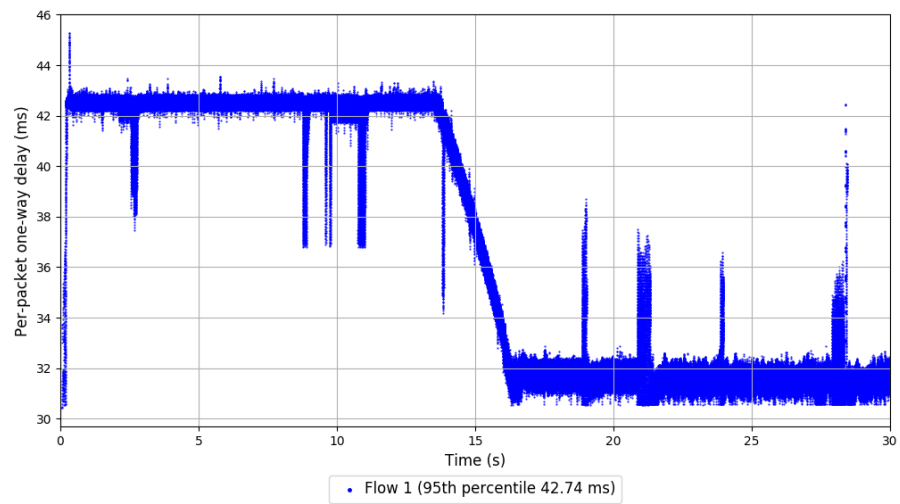

Flow 1 (95th percentile 40.37 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2017-11-30 11:18:53
End at: 2017-11-30 11:19:23
Local clock offset: 3.079 ms
Remote clock offset: -18.583 ms


# Below is generated by plot.py at 2017-11-30 14:48:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 39.924 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 39.924 ms
Loss rate: 0.09%
```

Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 87.50 Mbit/s)   ——— Flow 1 egress (mean 87.49 Mbit/s)
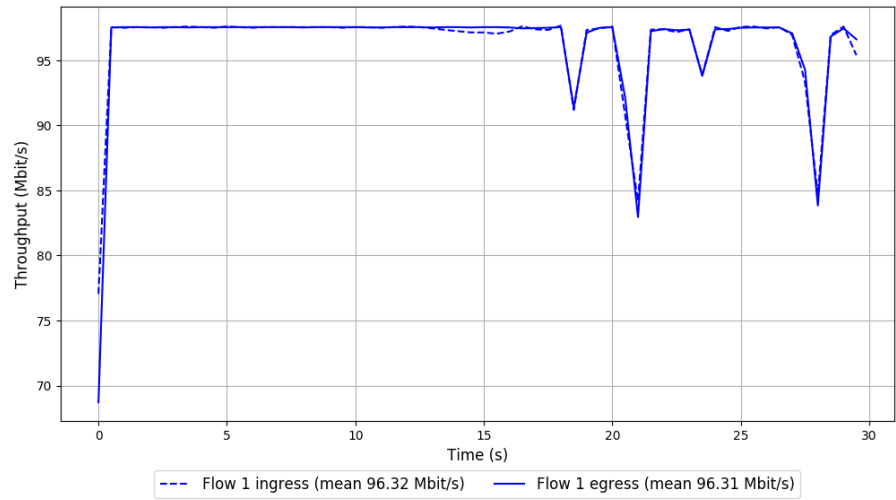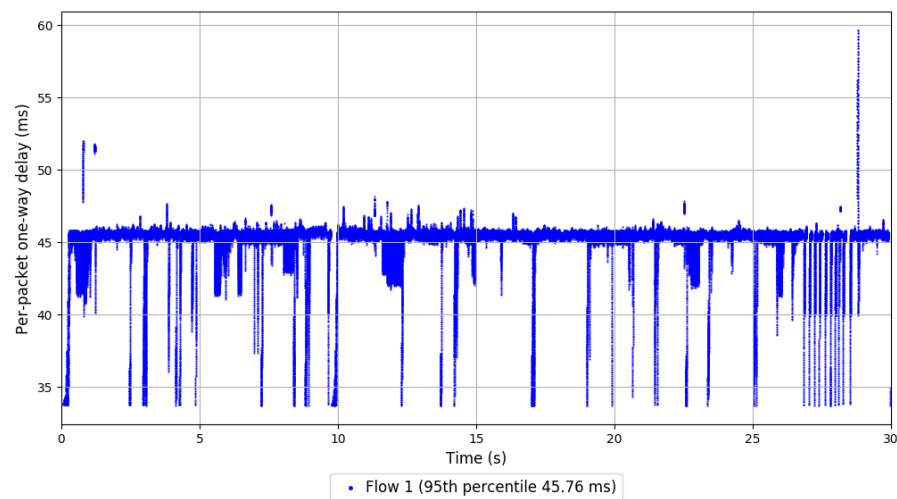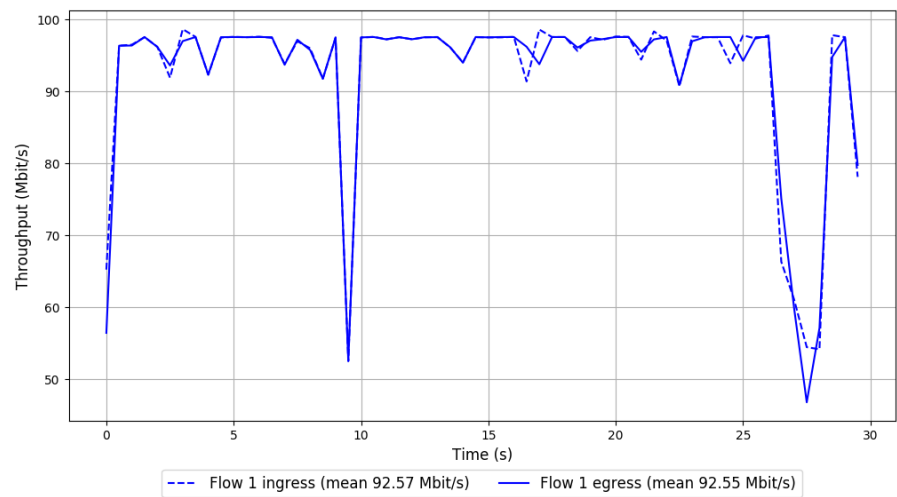

• Flow 1 (95th percentile 39.92 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2017-11-30 11:35:25
End at: 2017-11-30 11:35:55
Local clock offset: 1.199 ms
Remote clock offset: -17.722 ms


# Below is generated by plot.py at 2017-11-30 14:48:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 42.743 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 42.743 ms
Loss rate: 0.09%
```

Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.32 Mbit/s) --- Flow 1 egress (mean 96.31 Mbit/s)
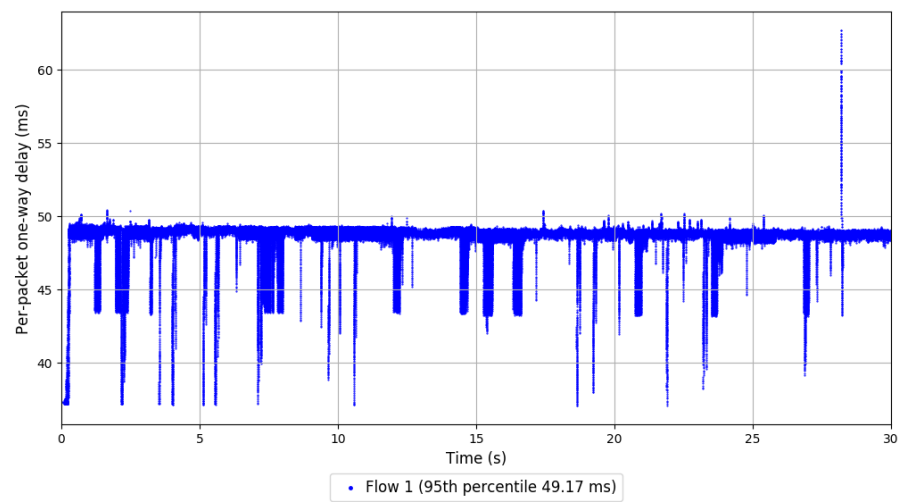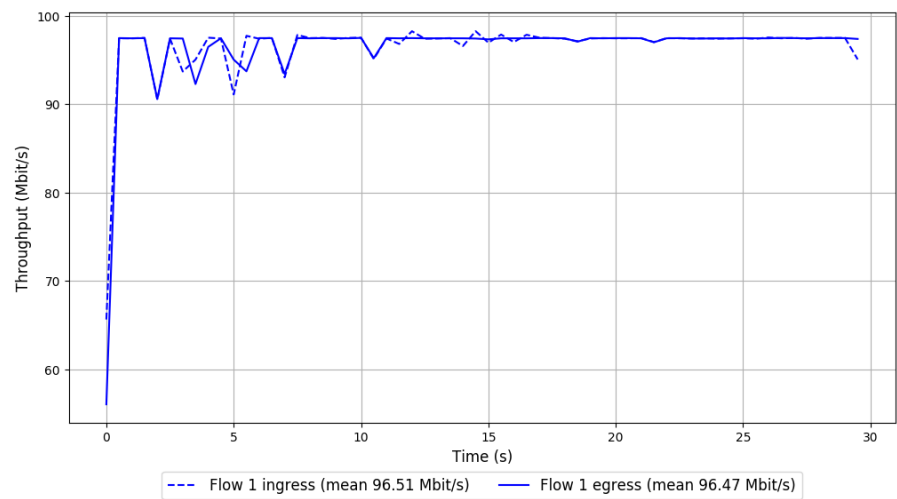

Flow 1 (95th percentile 42.74 ms)

```
Run 1: Statistics of Verus

Start at: 2017-11-30 09:18:09
End at: 2017-11-30 09:18:39
Local clock offset: -13.895 ms
Remote clock offset: -21.737 ms


# Below is generated by plot.py at 2017-11-30 14:48:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 45.763 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 45.763 ms
Loss rate: 0.13%
```
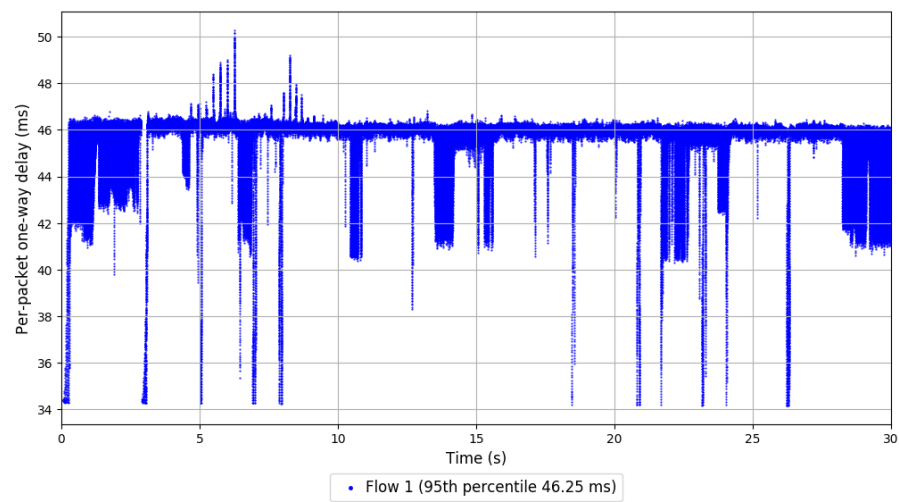
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2017-11-30 09:34:42
End at: 2017-11-30 09:35:13
Local clock offset: -5.084 ms
Remote clock offset: -21.017 ms


# Below is generated by plot.py at 2017-11-30 14:49:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 49.169 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 49.169 ms
Loss rate: 0.13%
```

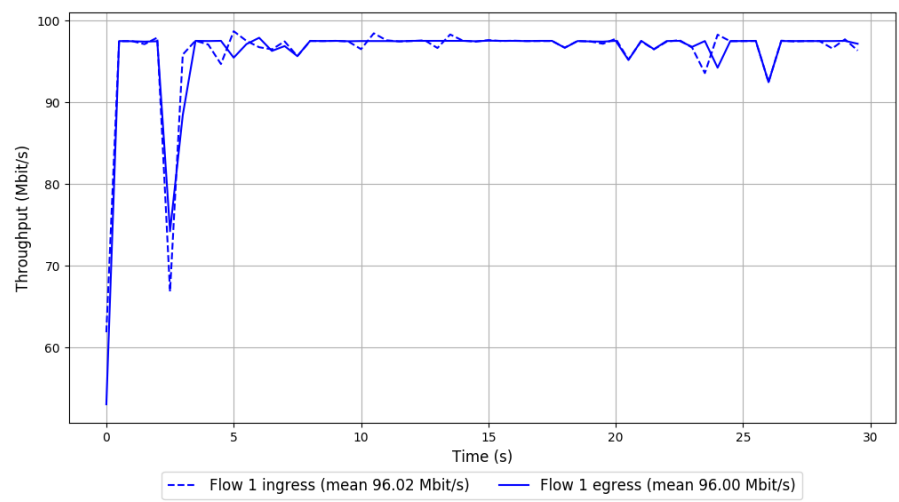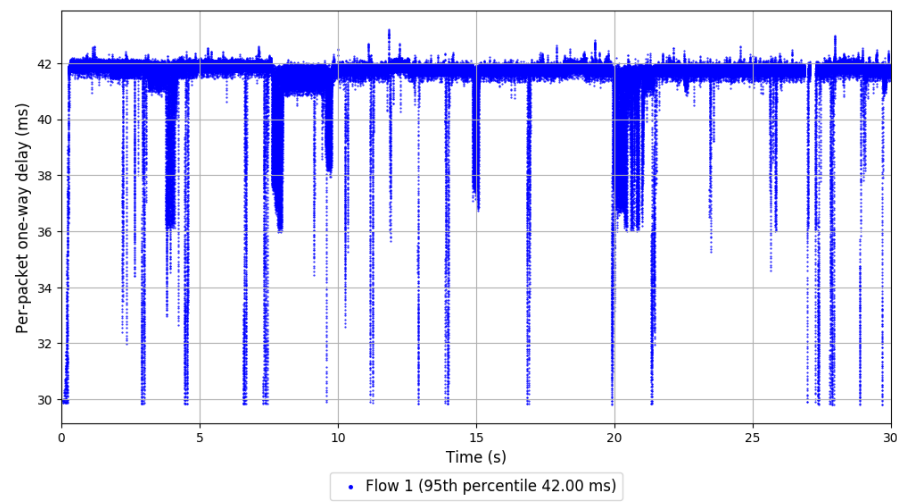Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2017-11-30 09:51:10
End at: 2017-11-30 09:51:40
Local clock offset: 1.096 ms
Remote clock offset: -21.409 ms


# Below is generated by plot.py at 2017-11-30 14:49:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 46.252 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 46.252 ms
Loss rate: 0.13%
```

Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 96.02 Mbit/s)   Flow 1 egress (mean 96.00 Mbit/s)

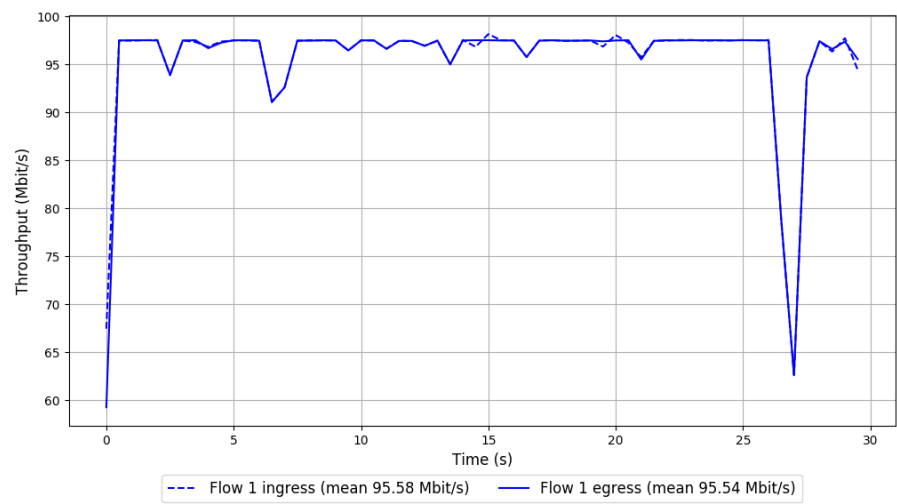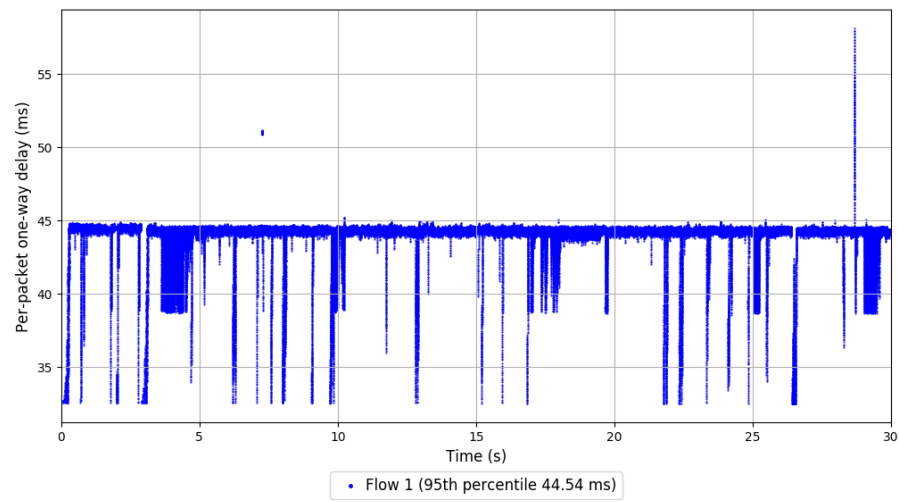• Flow 1 (95th percentile 46.25 ms)

```
Run 4: Statistics of Verus

Start at: 2017-11-30 10:07:42
End at: 2017-11-30 10:08:12
Local clock offset: 2.166 ms
Remote clock offset: -19.024 ms


# Below is generated by plot.py at 2017-11-30 14:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 42.002 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 42.002 ms
Loss rate: 0.12%
```

Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 95.58 Mbit/s) —— Flow 1 egress (mean 95.54 Mbit/s)

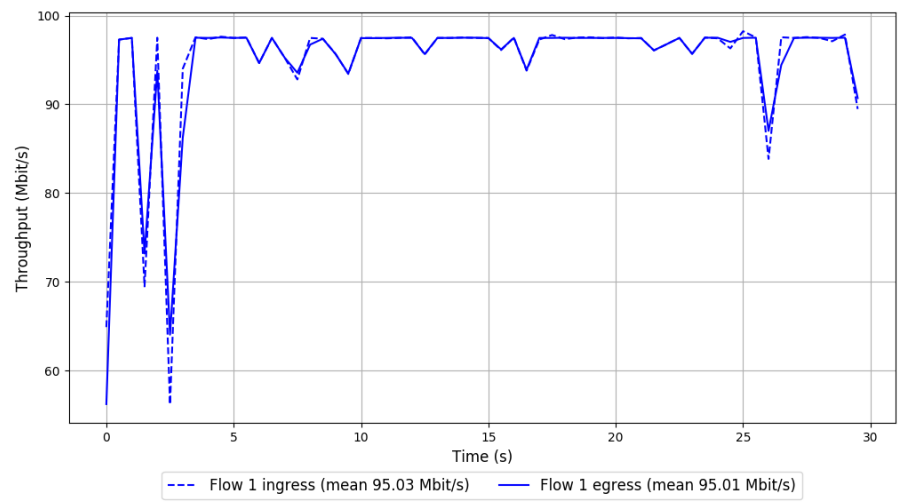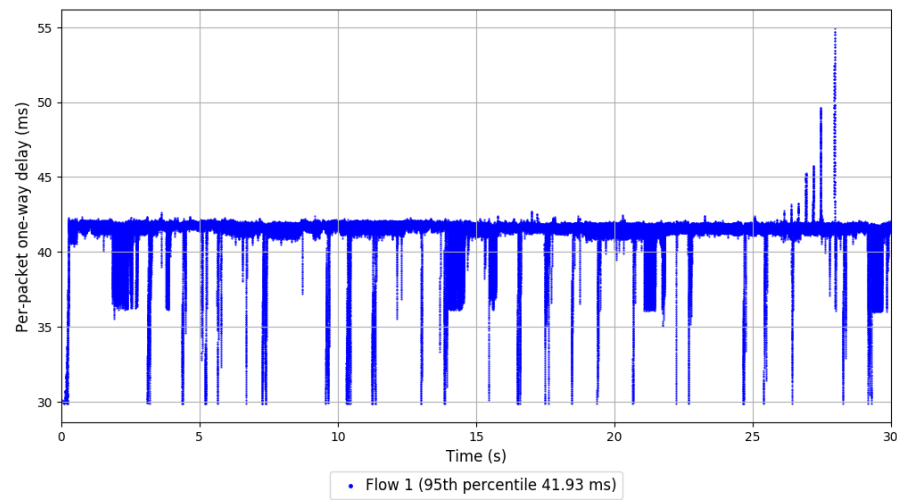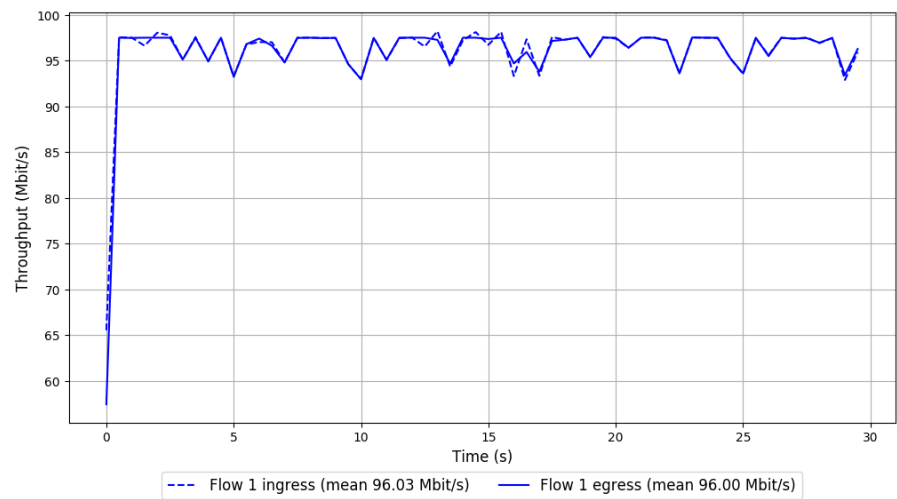· Flow 1 (95th percentile 42.00 ms)

```
Run 5: Statistics of Verus

Start at: 2017-11-30 10:24:38
End at: 2017-11-30 10:25:08
Local clock offset: 6.585 ms
Remote clock offset: -18.633 ms


# Below is generated by plot.py at 2017-11-30 14:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 44.544 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 44.544 ms
Loss rate: 0.13%
```

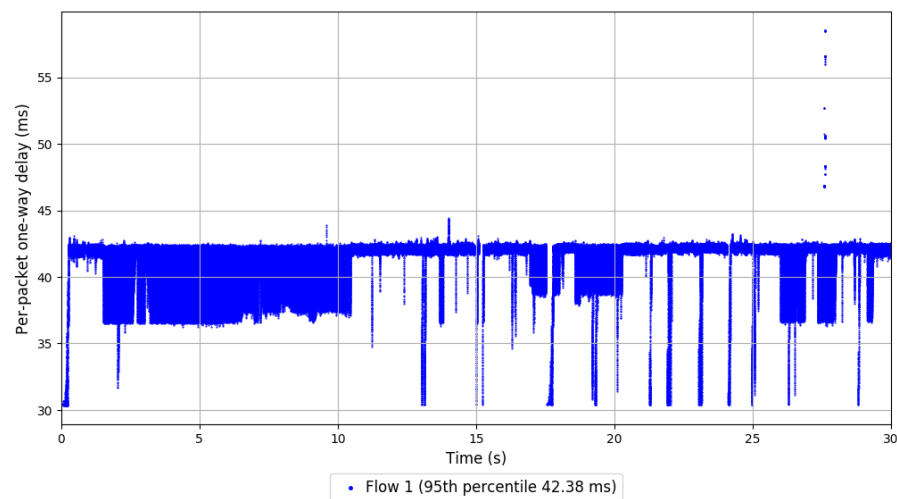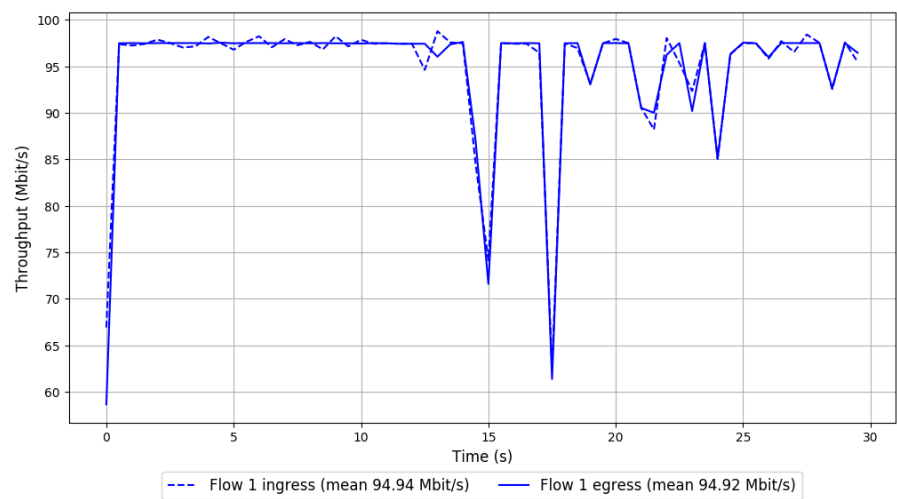Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 95.03 Mbit/s)   Flow 1 egress (mean 95.01 Mbit/s)

Flow 1 (95th percentile 44.54 ms)

```
Run 6: Statistics of Verus

Start at: 2017-11-30 10:41:08
End at: 2017-11-30 10:41:38
Local clock offset: 6.543 ms
Remote clock offset: -17.702 ms


# Below is generated by plot.py at 2017-11-30 14:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 41.930 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 41.930 ms
Loss rate: 0.13%
```
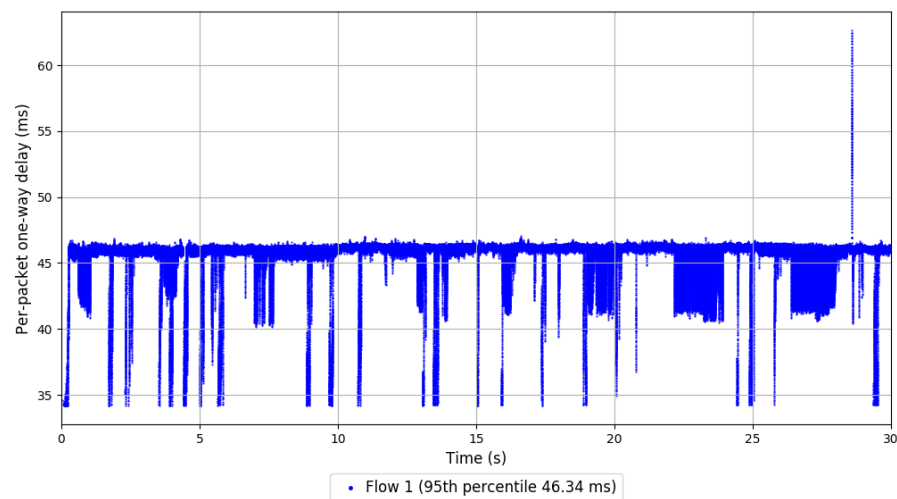
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2017-11-30 10:57:36
End at: 2017-11-30 10:58:06
Local clock offset: 4.003 ms
Remote clock offset: -19.233 ms


# Below is generated by plot.py at 2017-11-30 14:50:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 42.378 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 42.378 ms
Loss rate: 0.13%
```

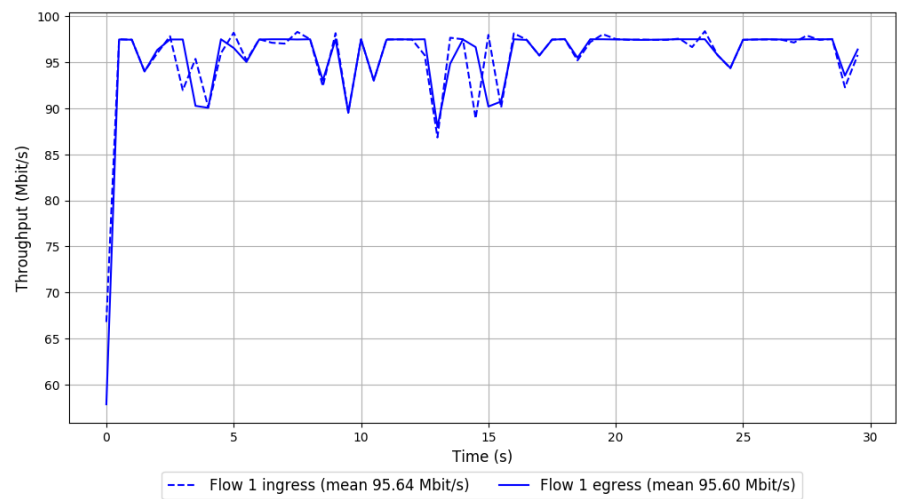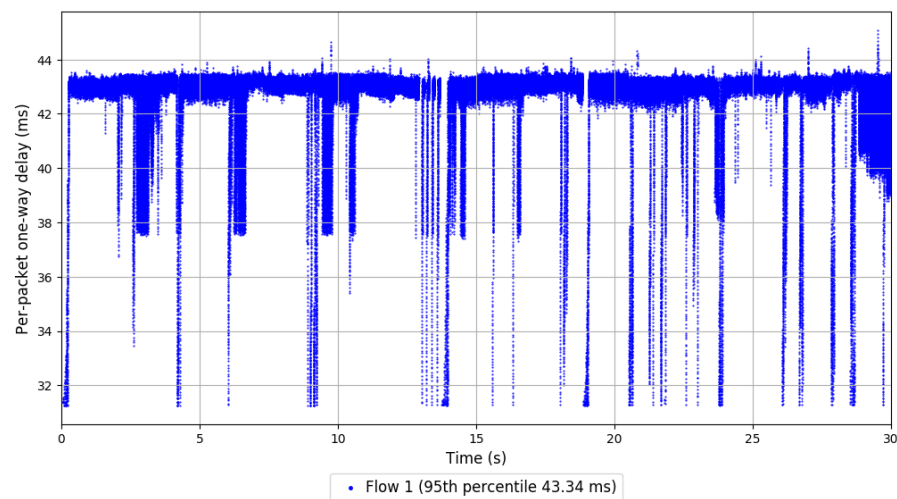Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-11-30 11:14:09
End at: 2017-11-30 11:14:39
Local clock offset: 4.339 ms
Remote clock offset: -20.052 ms


# Below is generated by plot.py at 2017-11-30 14:50:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 46.337 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 46.337 ms
Loss rate: 0.12%
```

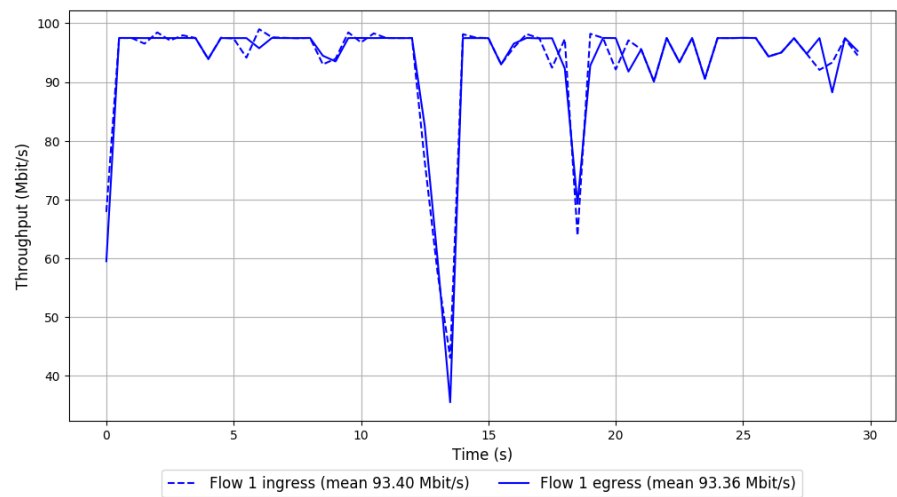Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2017-11-30 11:30:31
End at: 2017-11-30 11:31:01
Local clock offset: 2.495 ms
Remote clock offset: -17.458 ms


# Below is generated by plot.py at 2017-11-30 14:50:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 43.343 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 43.343 ms
Loss rate: 0.13%
```

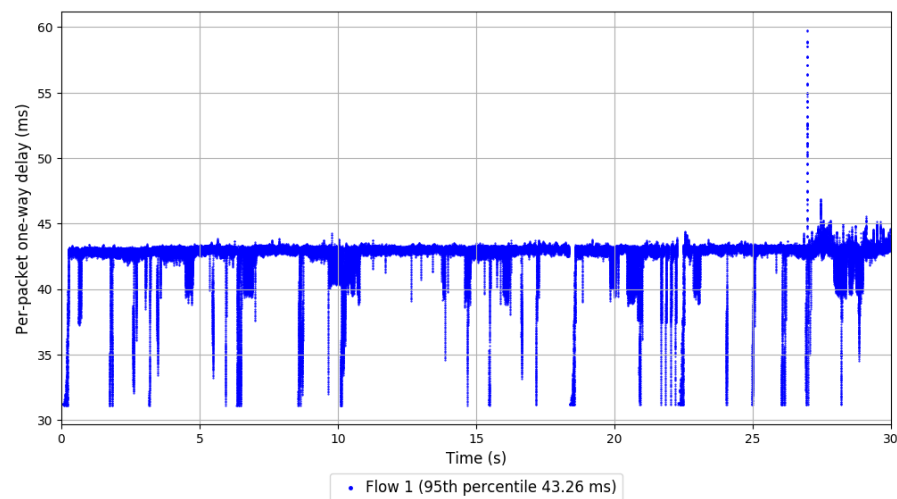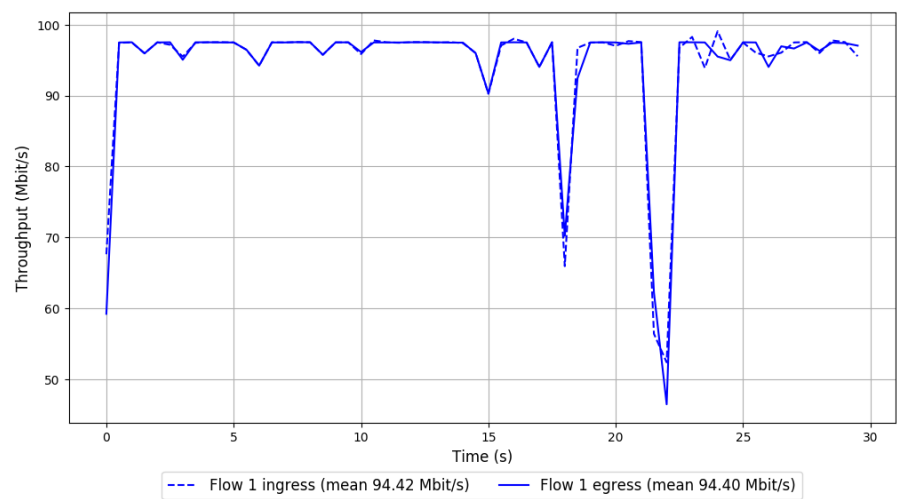Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2017-11-30 11:47:05
End at: 2017-11-30 11:47:35
Local clock offset: 1.52 ms
Remote clock offset: -16.981 ms


# Below is generated by plot.py at 2017-11-30 14:50:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 43.255 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 43.255 ms
Loss rate: 0.12%
```

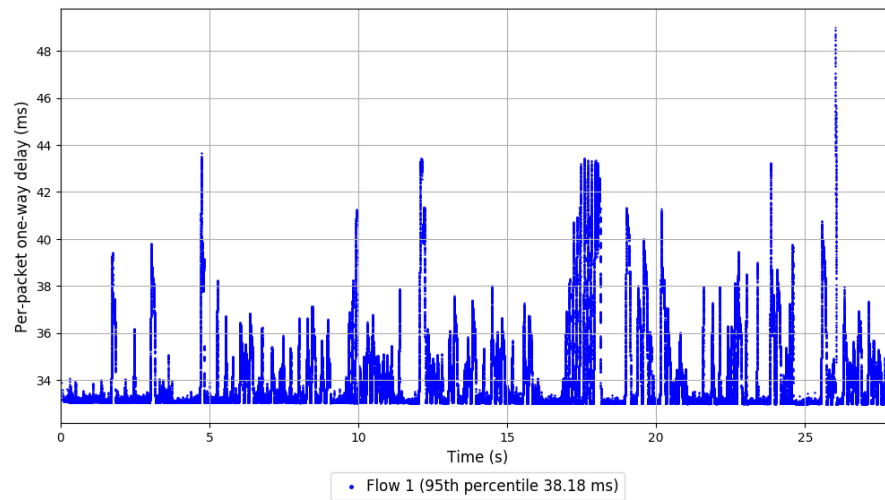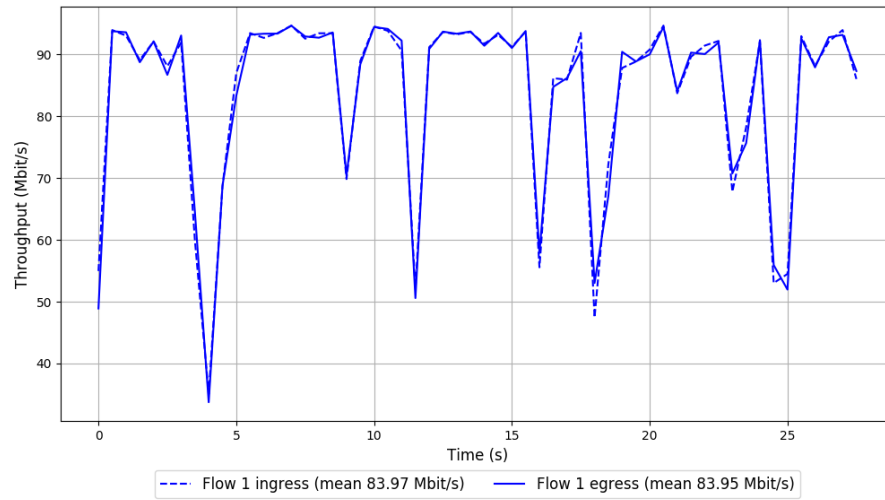## Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2017-11-30 09:14:19
End at: 2017-11-30 09:14:49
Local clock offset: -13.685 ms
Remote clock offset: -20.203 ms


# Below is generated by plot.py at 2017-11-30 14:51:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 38.183 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 38.183 ms
Loss rate: 0.11%
```

Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 83.97 Mbit/s) — Flow 1 egress (mean 83.95 Mbit/s)

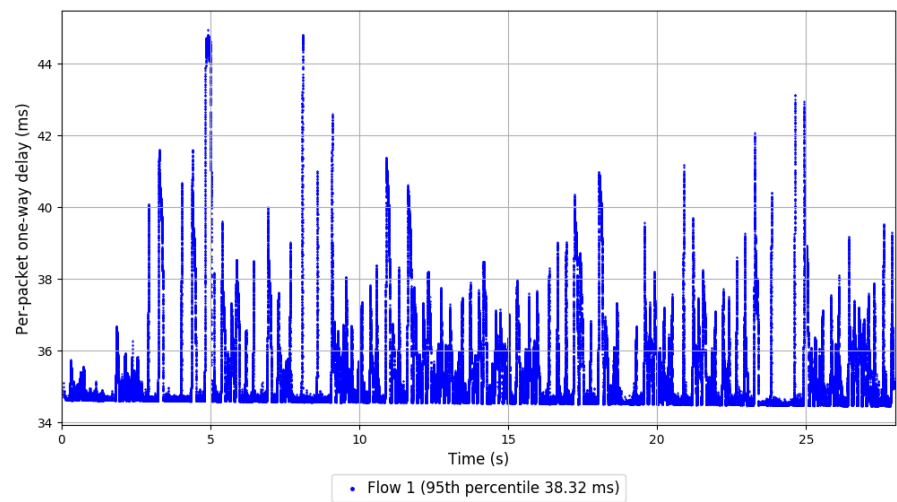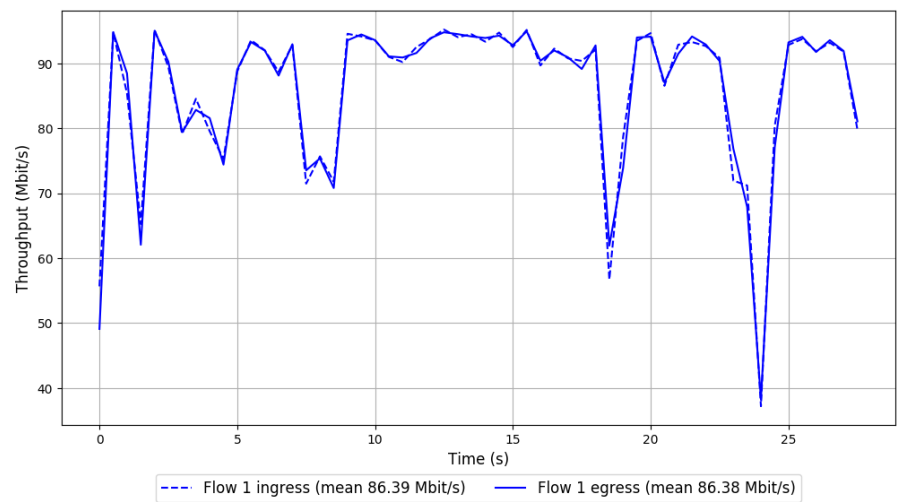• Flow 1 (95th percentile 38.18 ms)

```
Run 2: Statistics of Copa

Start at: 2017-11-30 09:31:11
End at: 2017-11-30 09:31:41
Local clock offset: -7.869 ms
Remote clock offset: -20.034 ms


# Below is generated by plot.py at 2017-11-30 14:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 38.320 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 38.320 ms
Loss rate: 0.10%
```

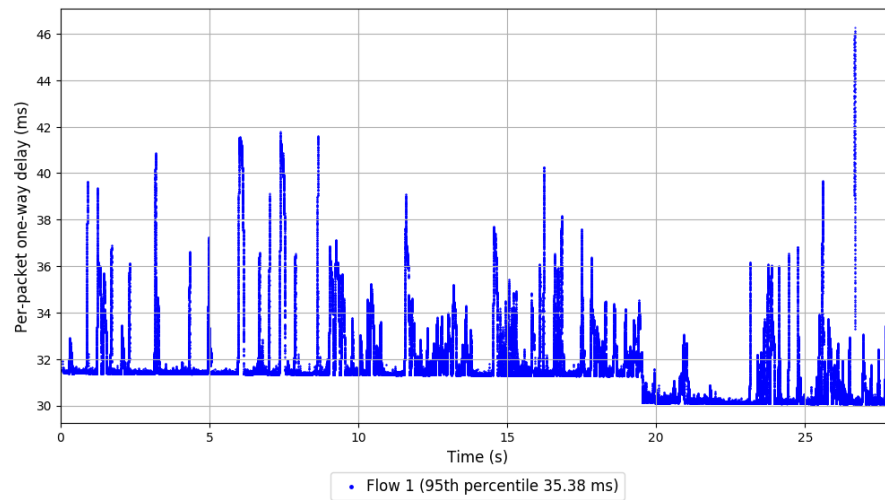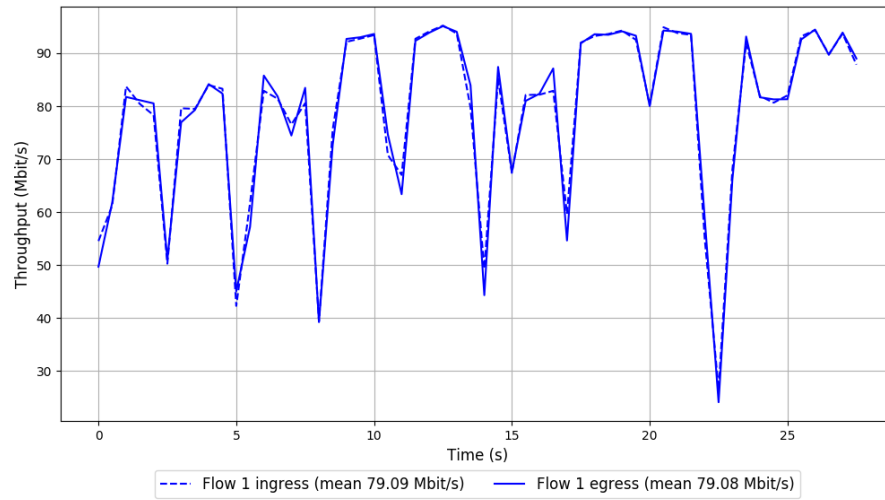Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2017-11-30 09:47:37
End at: 2017-11-30 09:48:07
Local clock offset: -2.49 ms
Remote clock offset: -19.759 ms


# Below is generated by plot.py at 2017-11-30 14:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 35.375 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 35.375 ms
Loss rate: 0.11%
```

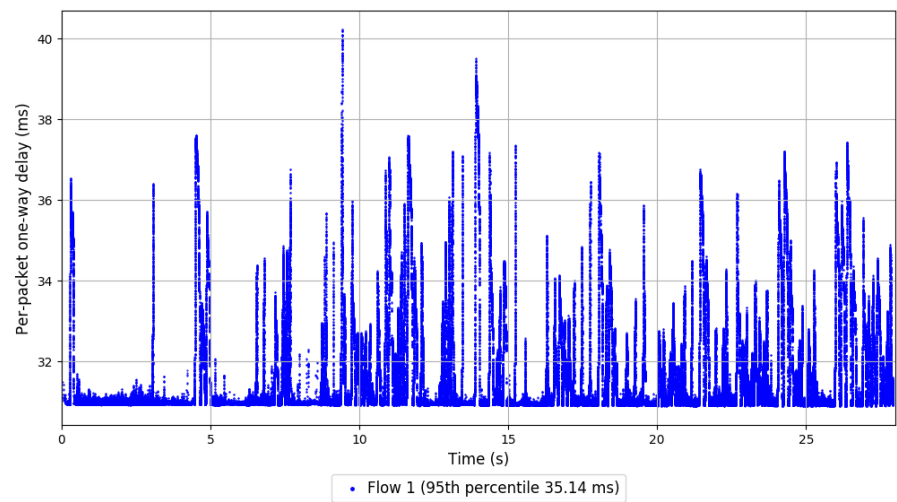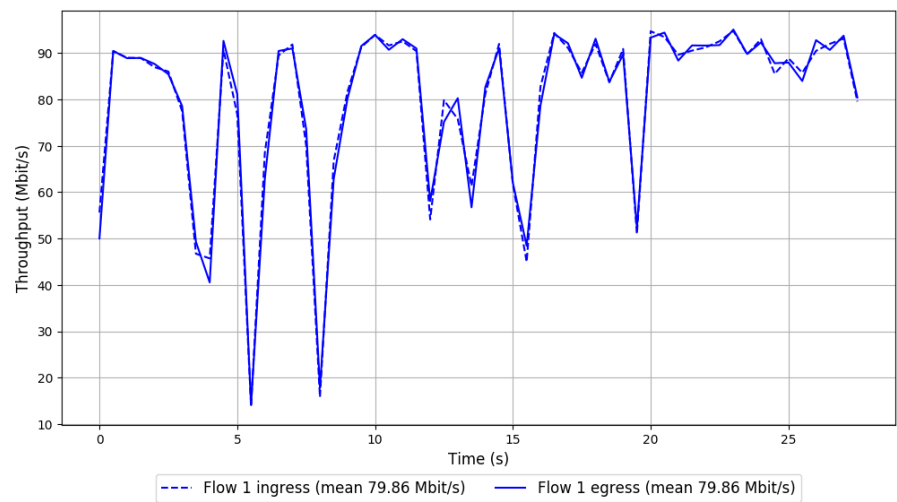Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2017-11-30 10:04:08
End at: 2017-11-30 10:04:38
Local clock offset: 1.834 ms
Remote clock offset: -20.144 ms


# Below is generated by plot.py at 2017-11-30 14:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.86 Mbit/s
95th percentile per-packet one-way delay: 35.144 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 79.86 Mbit/s
95th percentile per-packet one-way delay: 35.144 ms
Loss rate: 0.10%
```

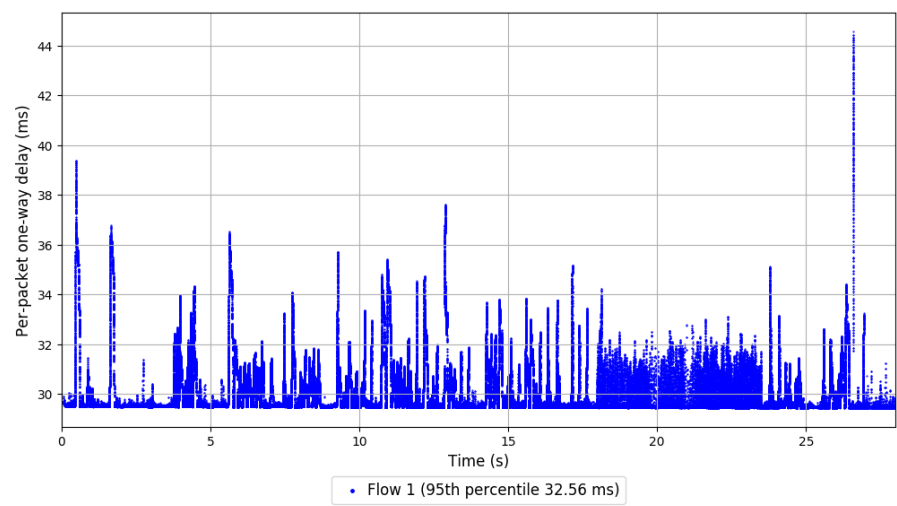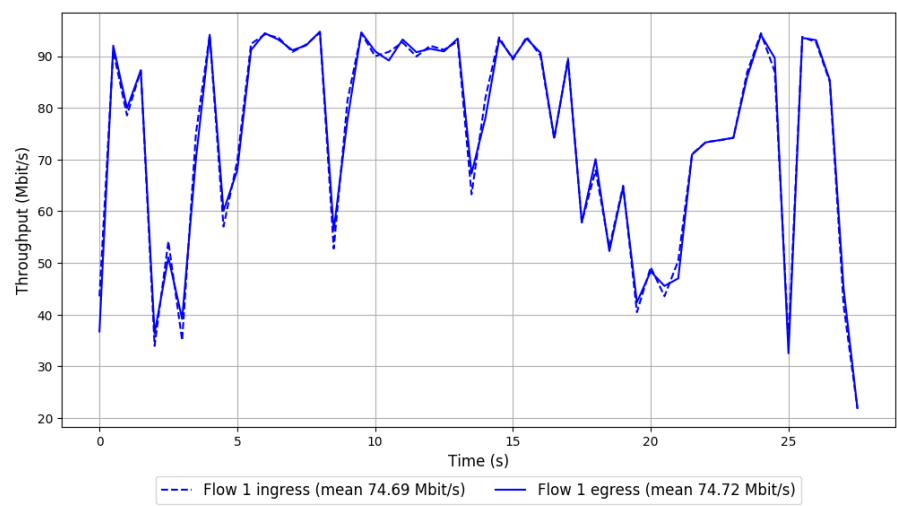Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2017-11-30 10:21:08
End at: 2017-11-30 10:21:38
Local clock offset: 6.154 ms
Remote clock offset: -19.006 ms


# Below is generated by plot.py at 2017-11-30 14:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 32.562 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 32.562 ms
Loss rate: 0.04%
```

Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2017-11-30 10:37:21
End at: 2017-11-30 10:37:51
Local clock offset: 6.33 ms
Remote clock offset: -18.595 ms


# Below is generated by plot.py at 2017-11-30 14:52:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 34.994 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 34.994 ms
Loss rate: 0.03%
```
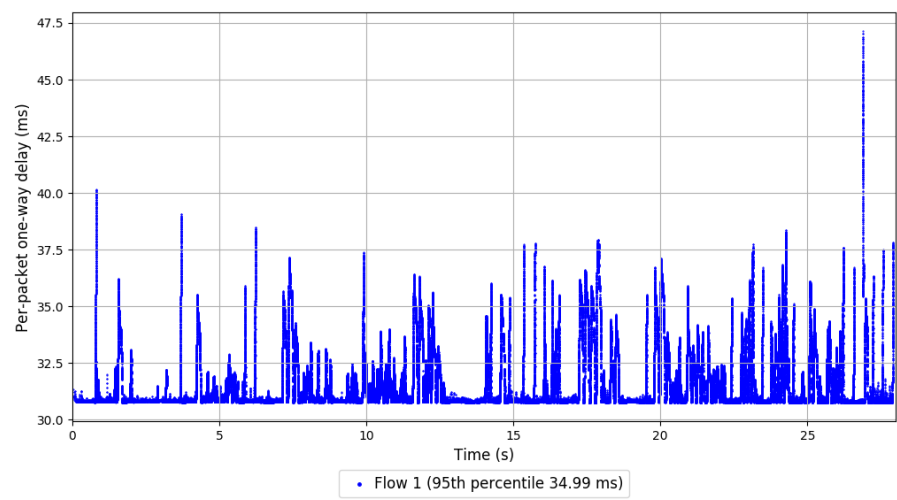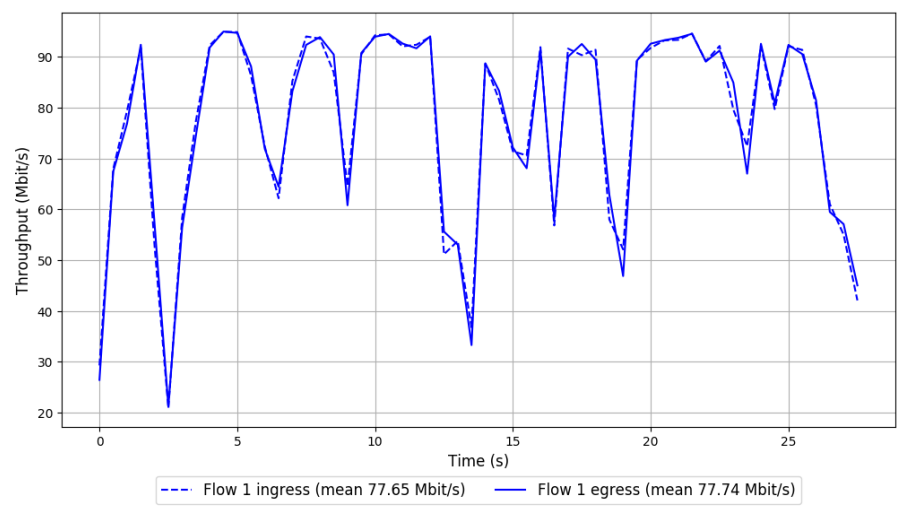
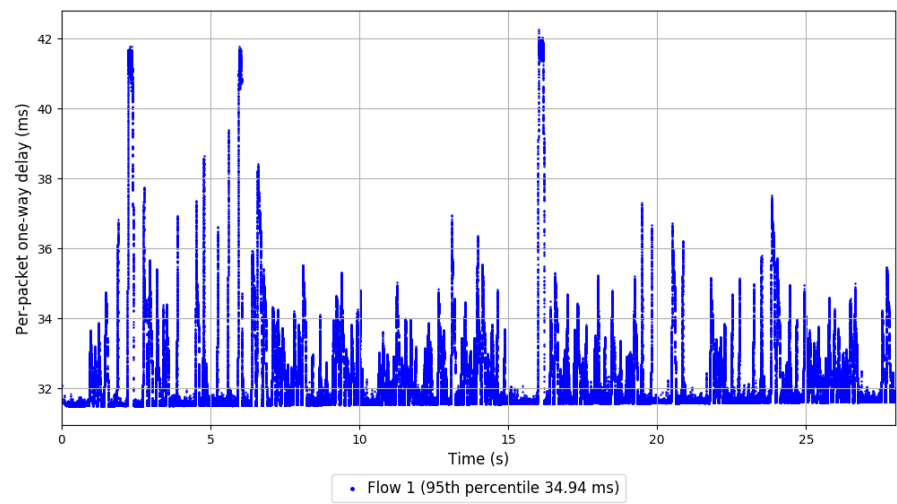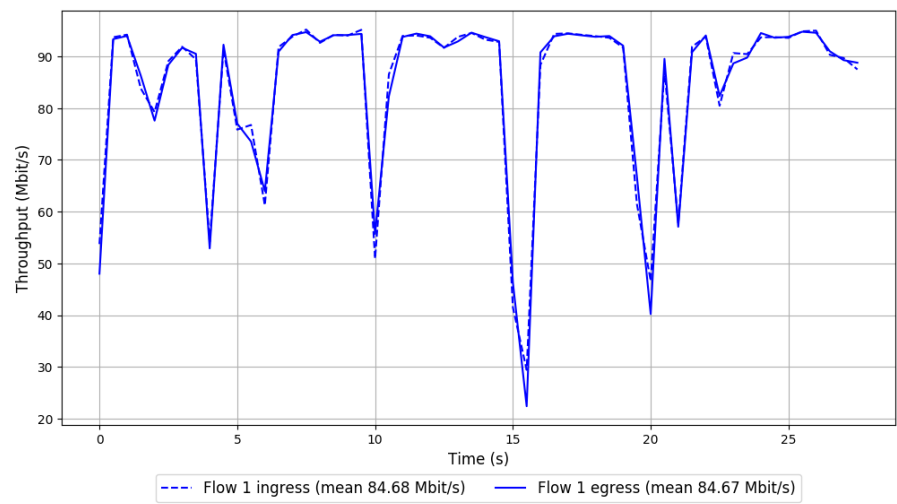Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2017-11-30 10:53:53
End at: 2017-11-30 10:54:23
Local clock offset: 8.652 ms
Remote clock offset: -16.602 ms


# Below is generated by plot.py at 2017-11-30 14:52:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 34.935 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 34.935 ms
Loss rate: 0.10%
```

Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 84.68 Mbit/s) — — — Flow 1 egress (mean 84.67 Mbit/s)
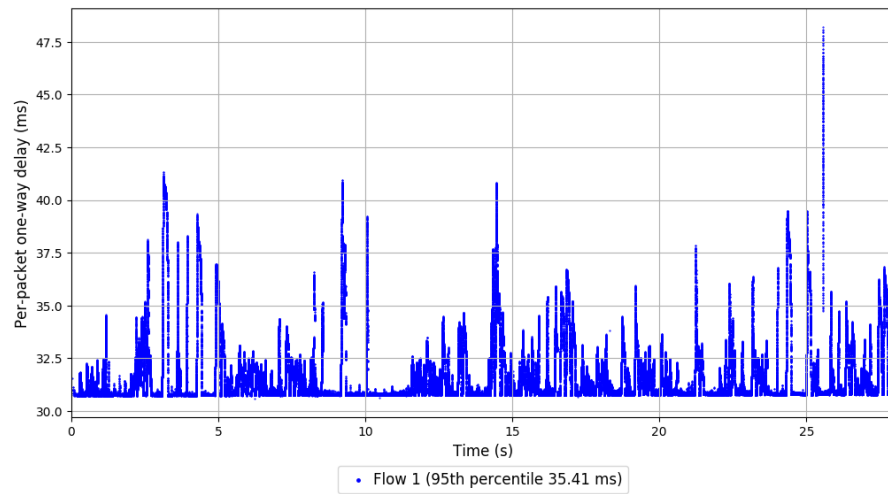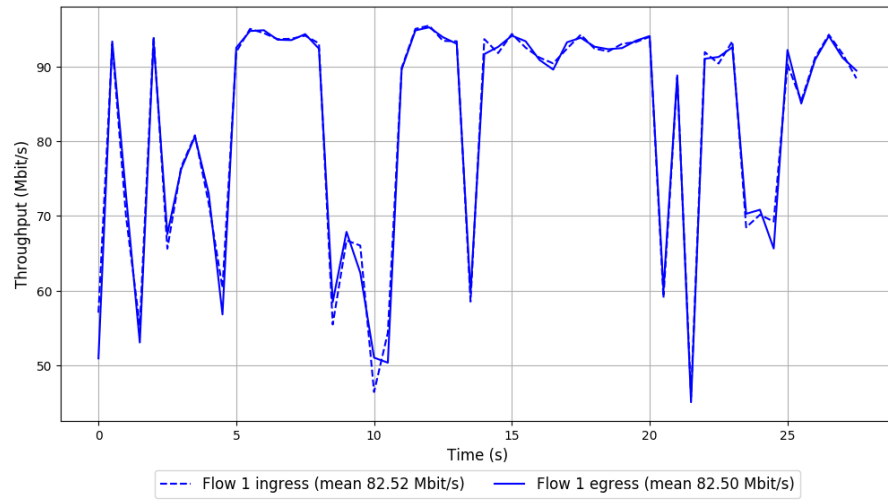

• Flow 1 (95th percentile 34.94 ms)

```
Run 8: Statistics of Copa

Start at: 2017-11-30 11:10:35
End at: 2017-11-30 11:11:05
Local clock offset: 4.285 ms
Remote clock offset: -16.943 ms


# Below is generated by plot.py at 2017-11-30 14:52:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 35.412 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 35.412 ms
Loss rate: 0.12%
```

Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 82.52 Mbit/s) —— Flow 1 egress (mean 82.50 Mbit/s)

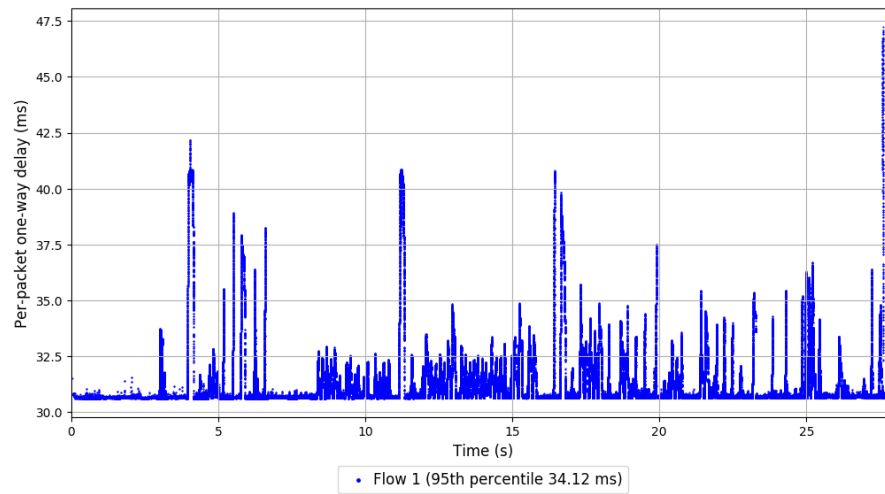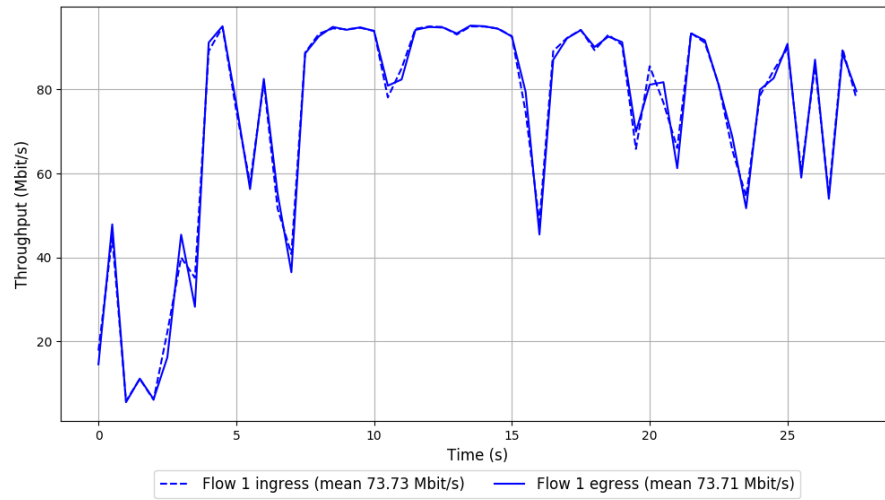• Flow 1 (95th percentile 35.41 ms)

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```
Run 9: Statistics of Copa

Start at: 2017-11-30 11:26:57
End at: 2017-11-30 11:27:27
Local clock offset: 2.362 ms
Remote clock offset: -17.361 ms


# Below is generated by plot.py at 2017-11-30 14:53:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 34.119 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 34.119 ms
Loss rate: 0.11%
```

Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 73.73 Mbit/s) ----   Flow 1 egress (mean 73.71 Mbit/s) ——

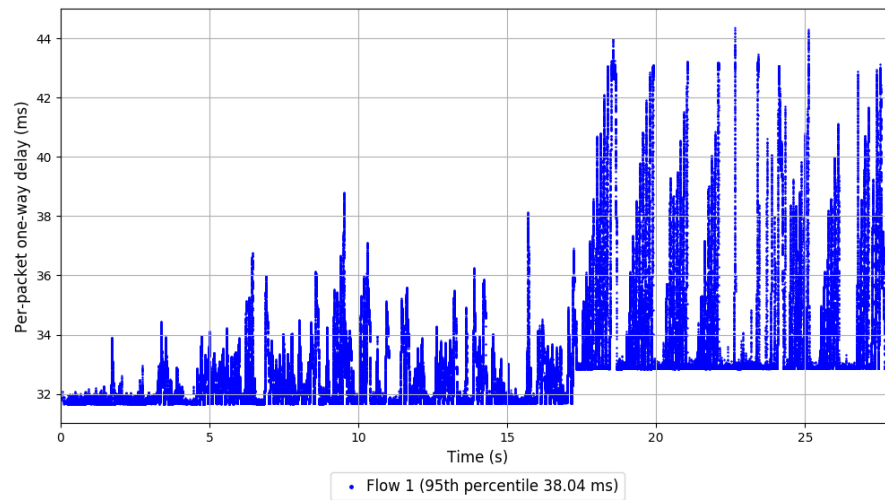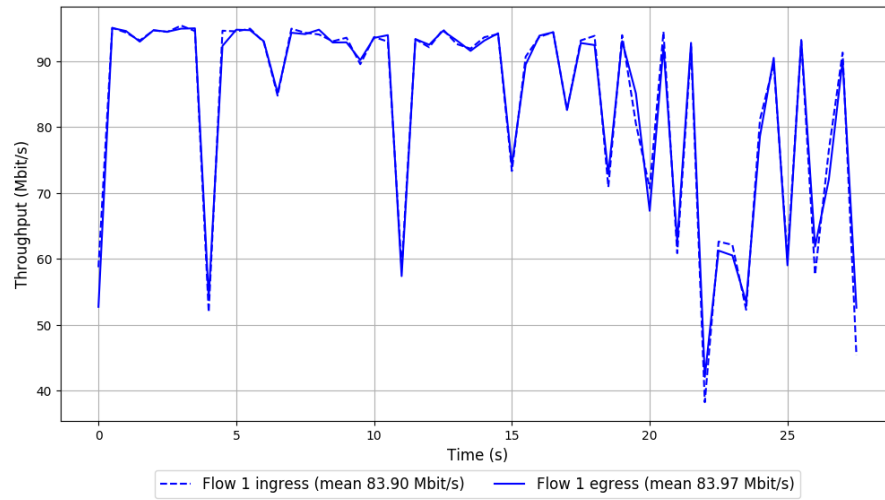• Flow 1 (95th percentile 34.12 ms)

```
Run 10: Statistics of Copa

Start at: 2017-11-30 11:43:31
End at: 2017-11-30 11:44:01
Local clock offset: 1.596 ms
Remote clock offset: -17.84 ms


# Below is generated by plot.py at 2017-11-30 14:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 38.039 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 38.039 ms
Loss rate: 0.01%
```

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 83.90 Mbit/s) ----- Flow 1 egress (mean 83.97 Mbit/s) ——

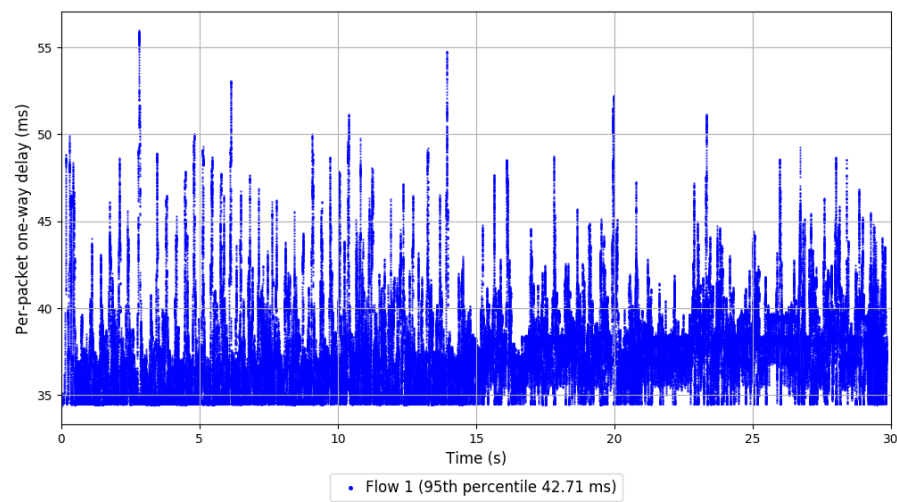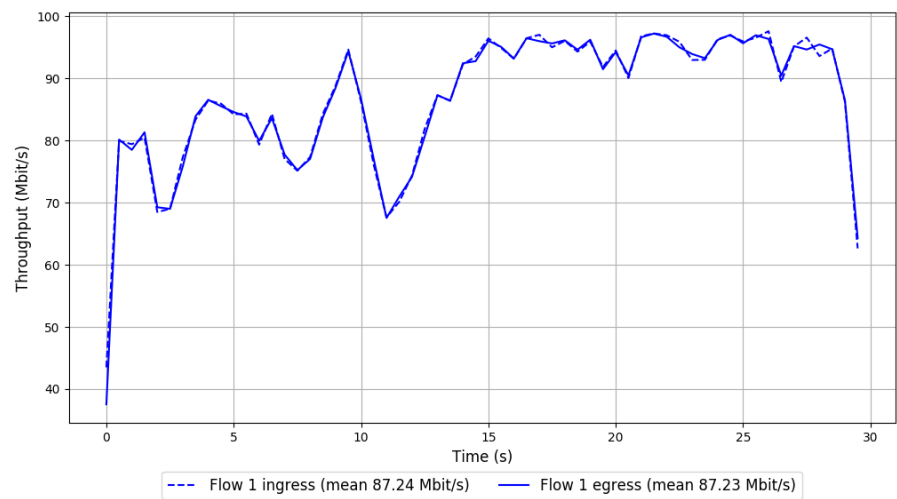• Flow 1 (95th percentile 38.04 ms)

```
Run 1: Statistics of Indigo

Start at: 2017-11-30 08:51:48
End at: 2017-11-30 08:52:18
Local clock offset: -12.195 ms
Remote clock offset: -19.721 ms


# Below is generated by plot.py at 2017-11-30 14:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 42.709 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 42.709 ms
Loss rate: 0.10%
```
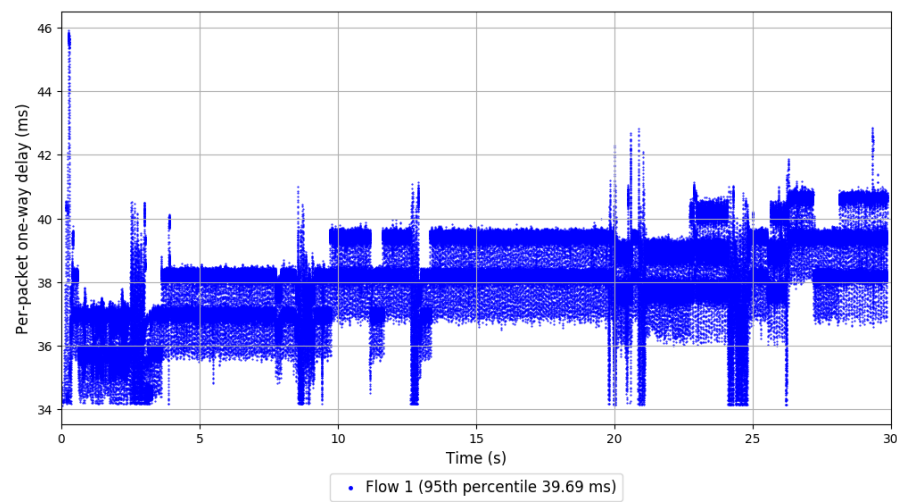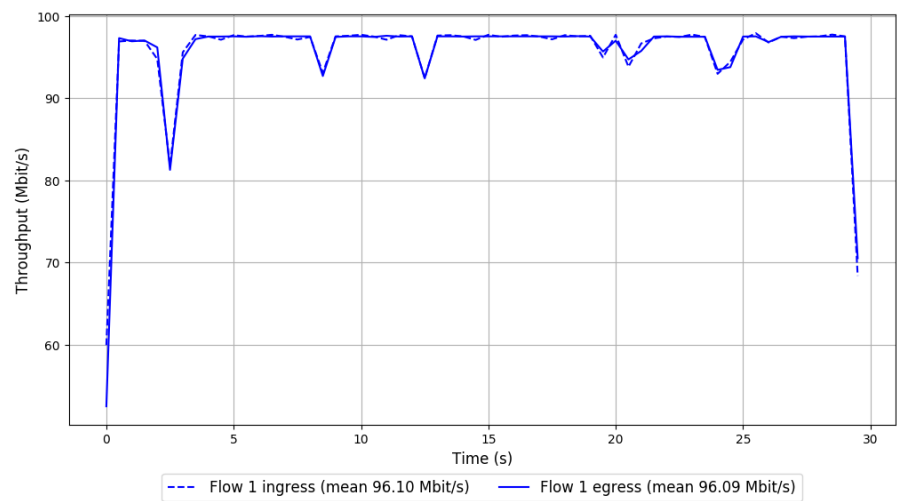
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2017-11-30 09:20:36
End at: 2017-11-30 09:21:06
Local clock offset: -12.223 ms
Remote clock offset: -20.777 ms


# Below is generated by plot.py at 2017-11-30 14:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 39.694 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 39.694 ms
Loss rate: 0.10%
```

Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2017-11-30 09:37:06
End at: 2017-11-30 09:37:36
Local clock offset: -7.112 ms
Remote clock offset: -19.904 ms


# Below is generated by plot.py at 2017-11-30 14:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 38.261 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 38.261 ms
Loss rate: 0.14%
```
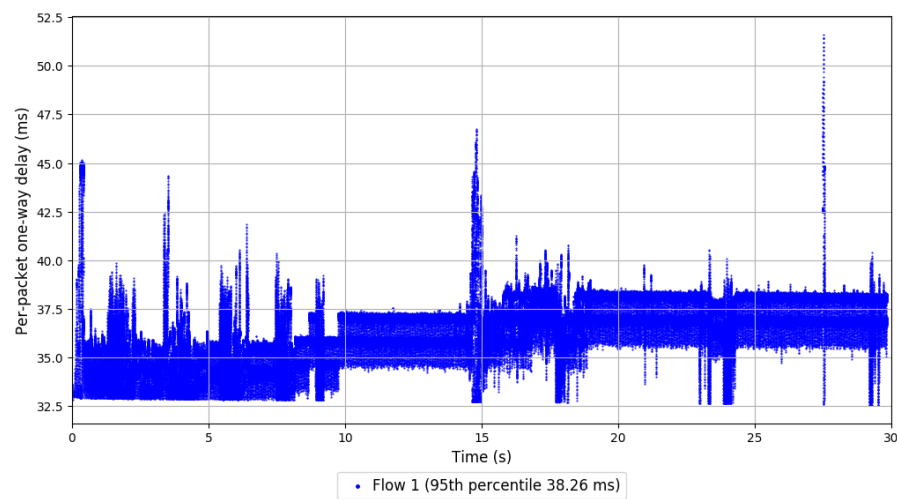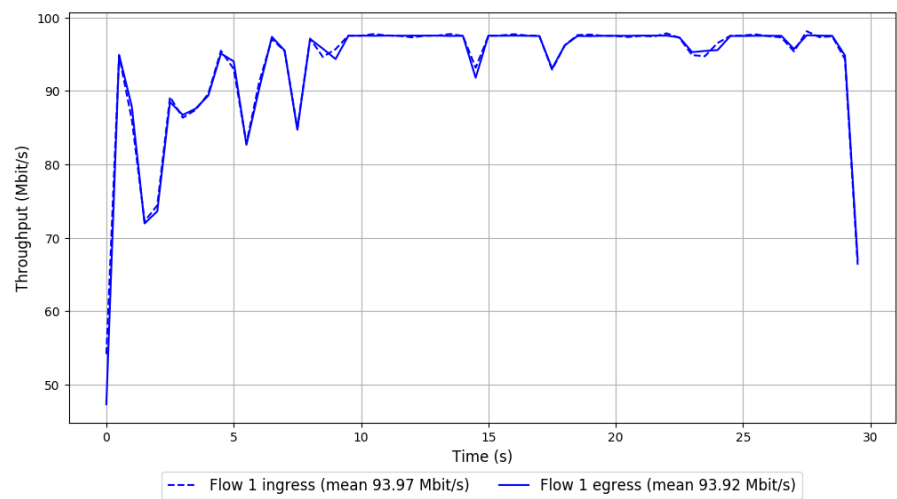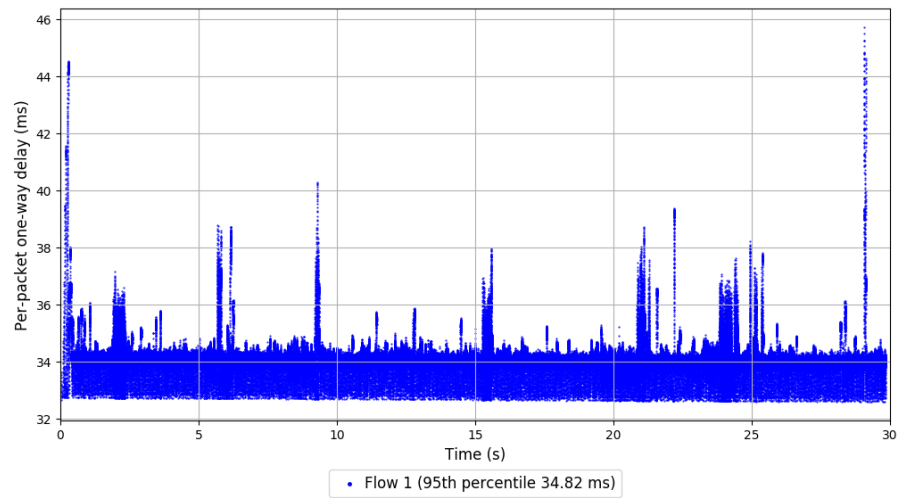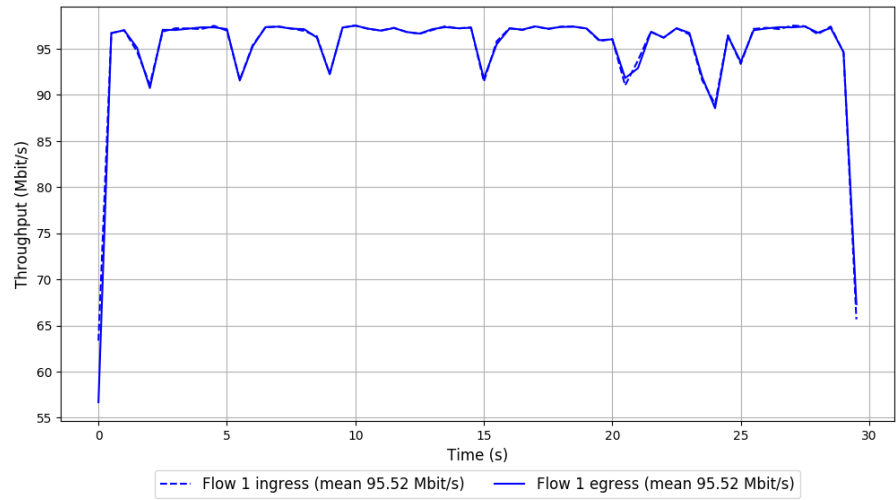
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-11-30 09:53:40
End at: 2017-11-30 09:54:10
Local clock offset: 0.031 ms
Remote clock offset: -21.68 ms


# Below is generated by plot.py at 2017-11-30 14:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 34.818 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 34.818 ms
Loss rate: 0.09%
```

Run 4: Report of Indigo — Data Link

Flow 1 ingress (mean 95.52 Mbit/s)   Flow 1 egress (mean 95.52 Mbit/s)
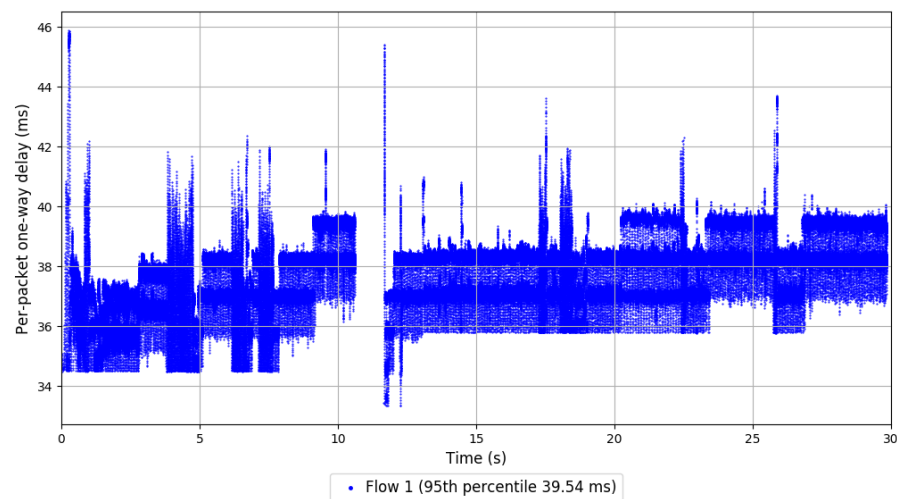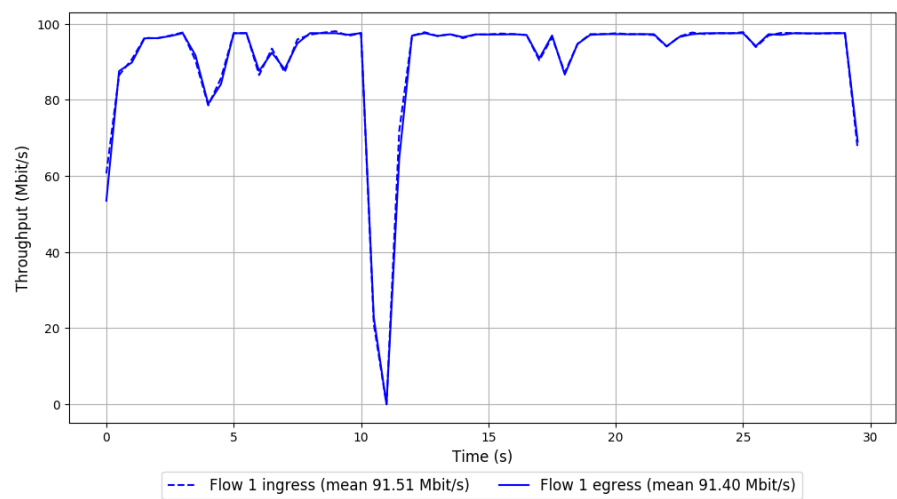

• Flow 1 (95th percentile 34.82 ms)

```
Run 5: Statistics of Indigo

Start at: 2017-11-30 10:10:10
End at: 2017-11-30 10:10:40
Local clock offset: 5.228 ms
Remote clock offset: -20.823 ms


# Below is generated by plot.py at 2017-11-30 14:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 39.542 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 39.542 ms
Loss rate: 0.21%
```

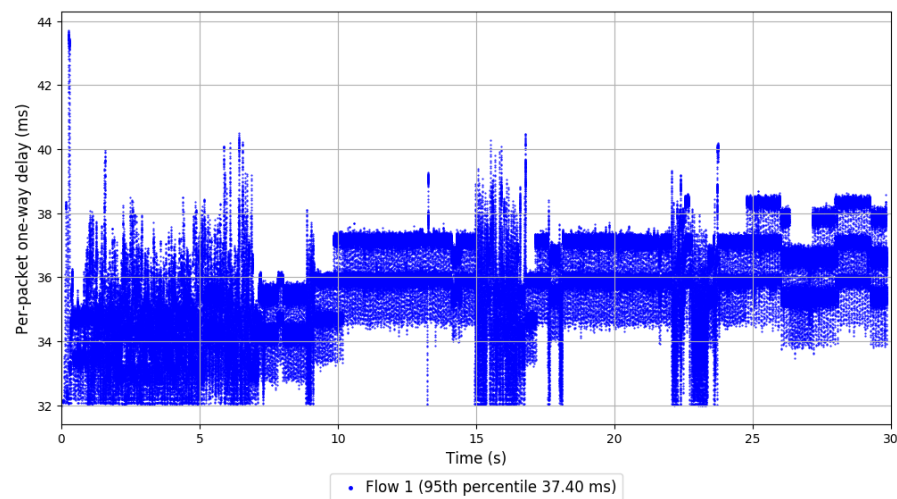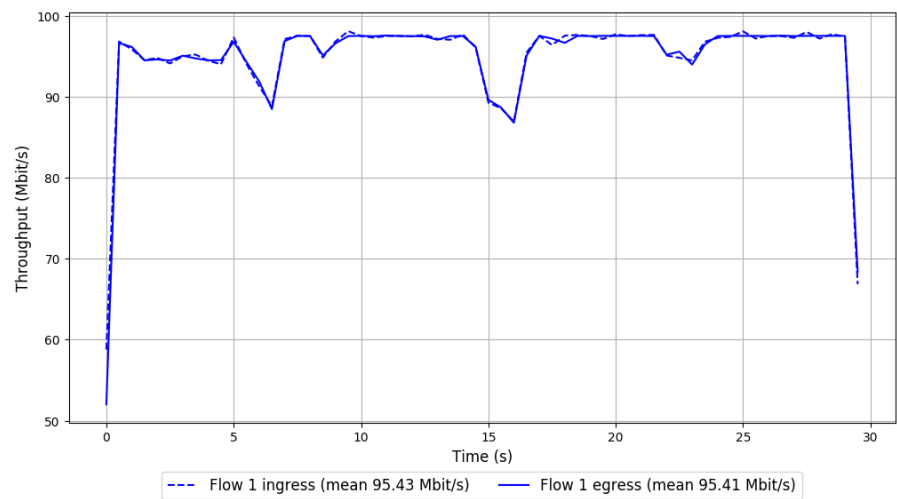Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-11-30 10:26:59
End at: 2017-11-30 10:27:29
Local clock offset: 7.426 ms
Remote clock offset: -18.192 ms


# Below is generated by plot.py at 2017-11-30 14:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 37.403 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 37.403 ms
Loss rate: 0.10%
```

Run 6: Report of Indigo — Data Link

Flow 1 ingress (mean 95.43 Mbit/s) Flow 1 egress (mean 95.41 Mbit/s)

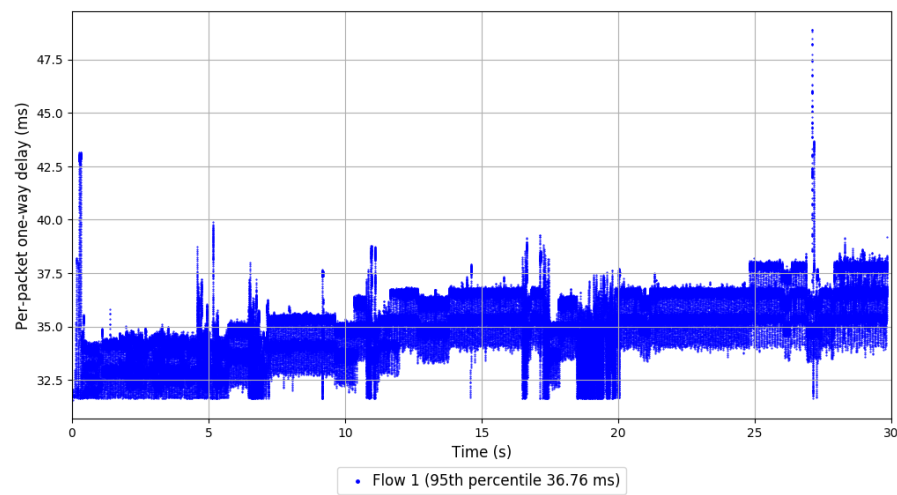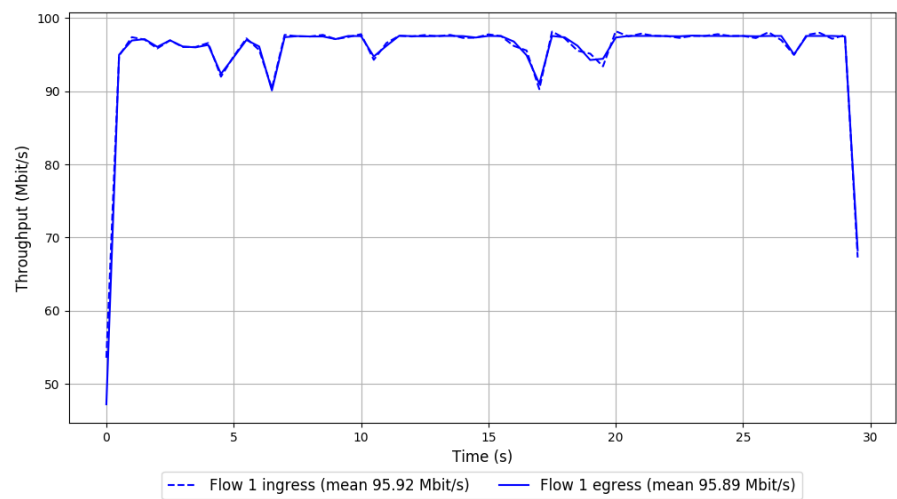
Flow 1 (95th percentile 37.40 ms)

```
Run 7: Statistics of Indigo

Start at: 2017-11-30 10:43:32
End at: 2017-11-30 10:44:02
Local clock offset: 8.527 ms
Remote clock offset: -17.565 ms


# Below is generated by plot.py at 2017-11-30 14:54:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 36.764 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 36.764 ms
Loss rate: 0.11%
```
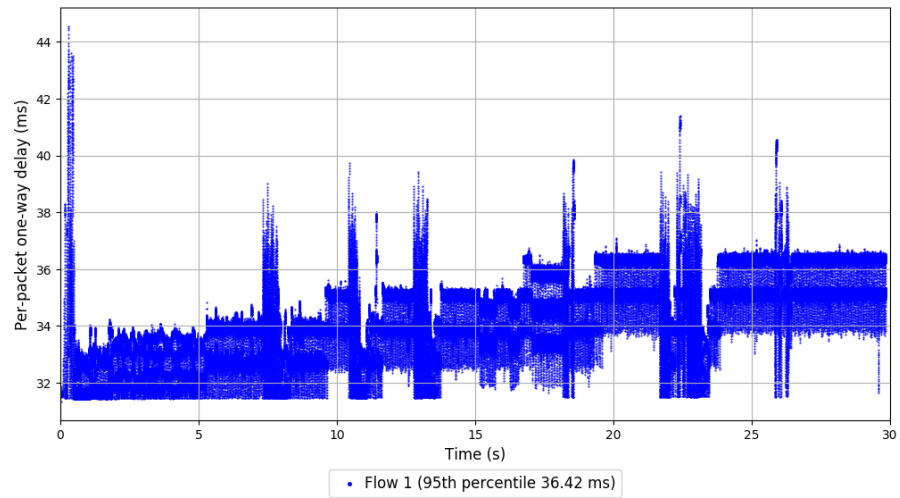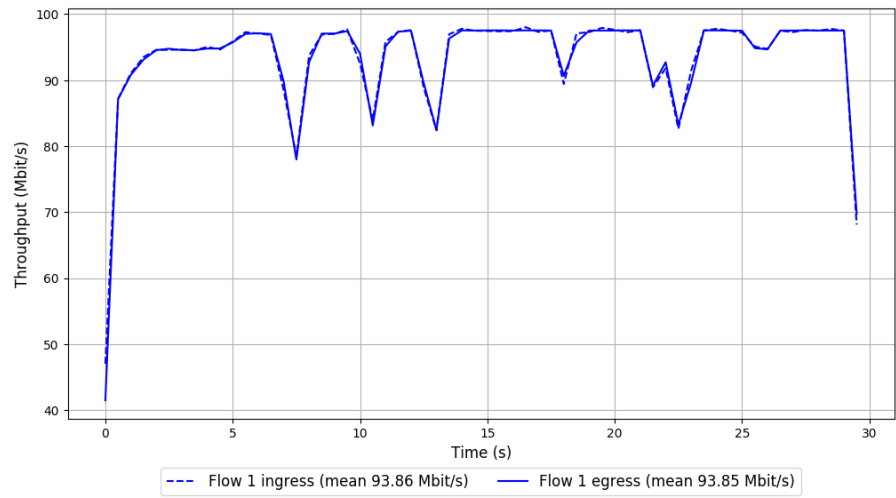
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-11-30 11:00:06
End at: 2017-11-30 11:00:36
Local clock offset: 6.338 ms
Remote clock offset: -17.556 ms


# Below is generated by plot.py at 2017-11-30 14:54:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 36.424 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 36.424 ms
Loss rate: 0.10%
```
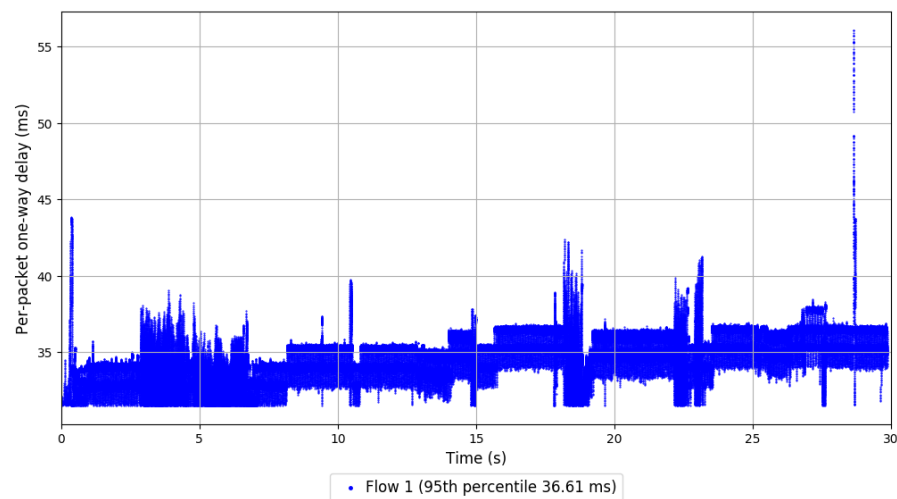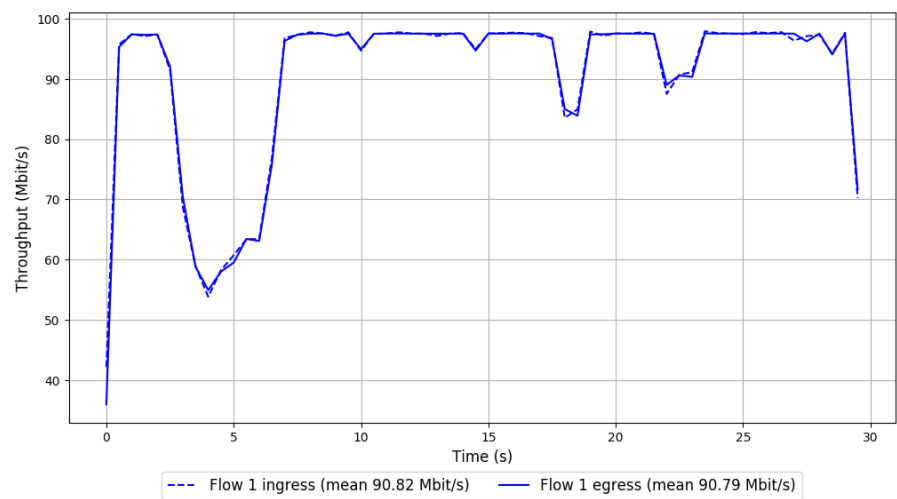
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2017-11-30 11:16:32
End at: 2017-11-30 11:17:02
Local clock offset: 4.449 ms
Remote clock offset: -17.073 ms


# Below is generated by plot.py at 2017-11-30 14:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 36.608 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 36.608 ms
Loss rate: 0.10%
```

Run 9: Report of Indigo — Data Link

Flow 1 ingress (mean 90.82 Mbit/s) — Flow 1 egress (mean 90.79 Mbit/s)

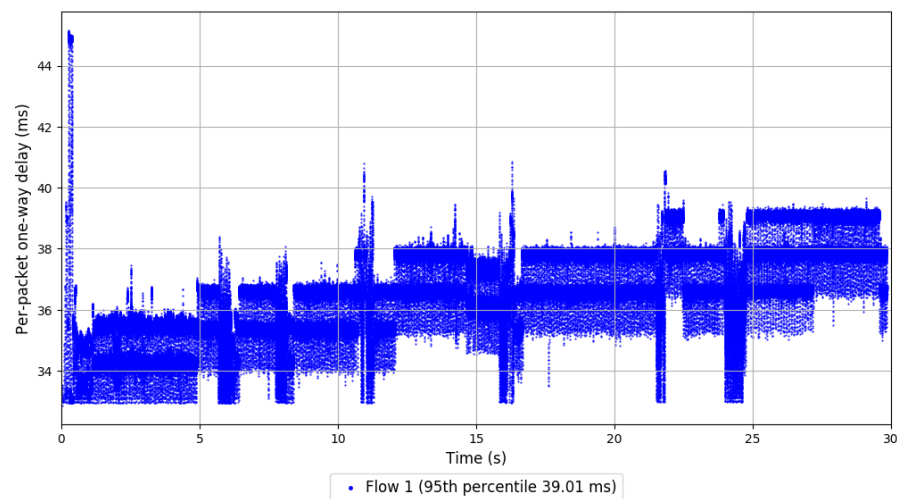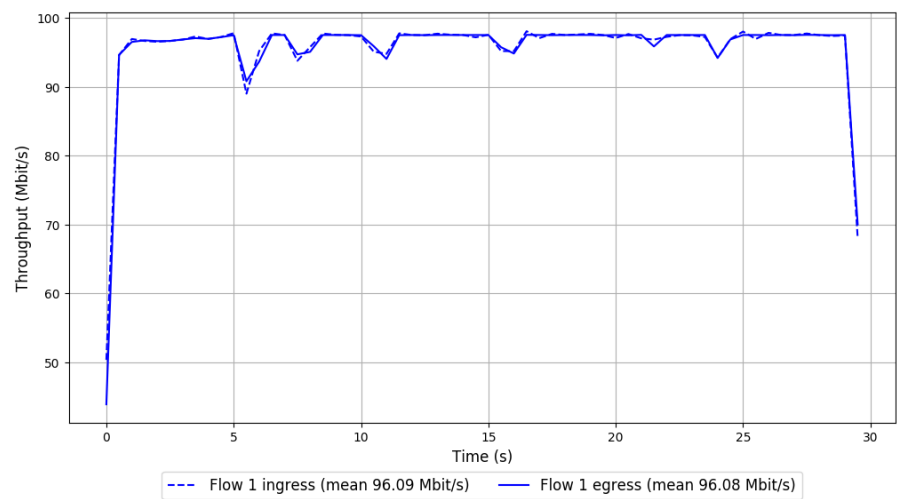

• Flow 1 (95th percentile 36.61 ms)

```
Run 10: Statistics of Indigo

Start at: 2017-11-30 11:33:00
End at: 2017-11-30 11:33:30
Local clock offset: 2.995 ms
Remote clock offset: -18.469 ms


# Below is generated by plot.py at 2017-11-30 14:54:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 39.007 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 39.007 ms
Loss rate: 0.09%
```

Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 96.09 Mbit/s) ----- Flow 1 egress (mean 96.08 Mbit/s)
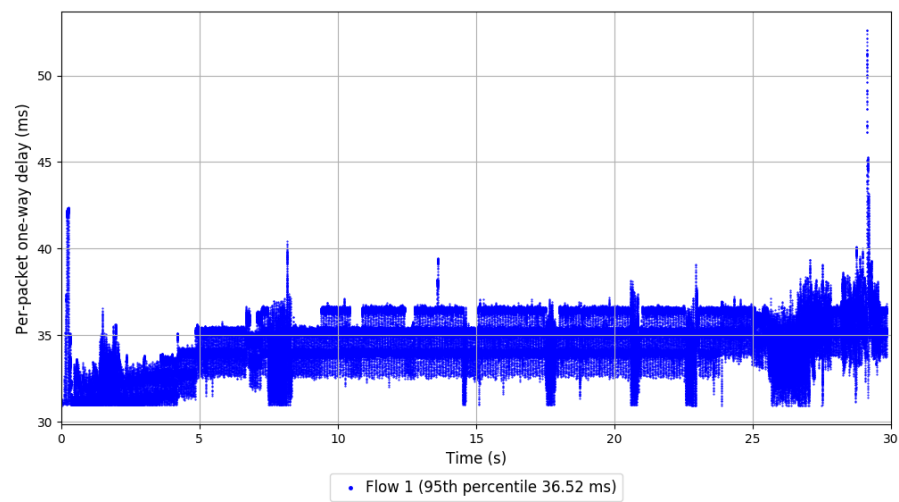
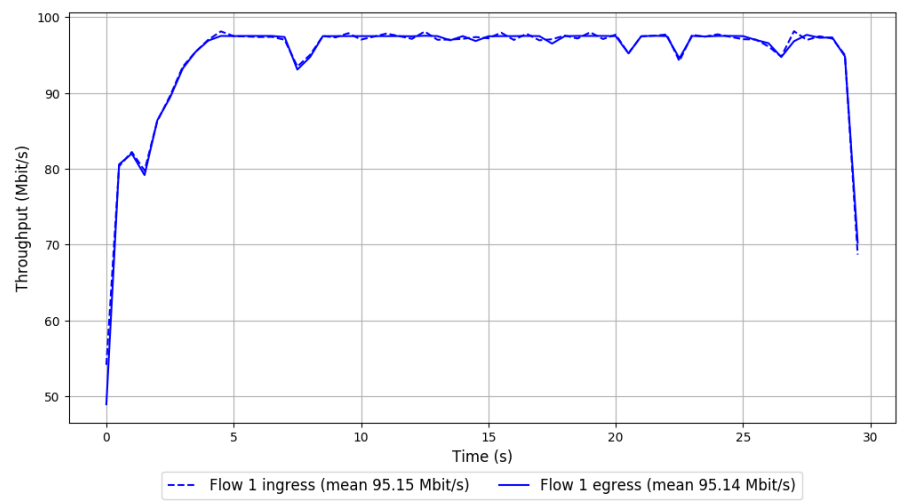

• Flow 1 (95th percentile 39.01 ms)

```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-30 09:16:56
End at: 2017-11-30 09:17:26
Local clock offset: -14.628 ms
Remote clock offset: -19.512 ms


# Below is generated by plot.py at 2017-11-30 14:55:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 36.522 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 36.522 ms
Loss rate: 0.10%
```

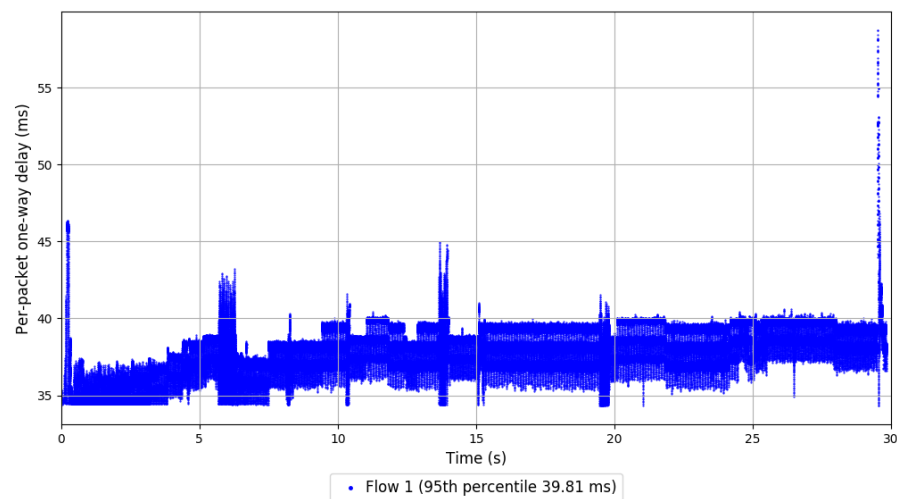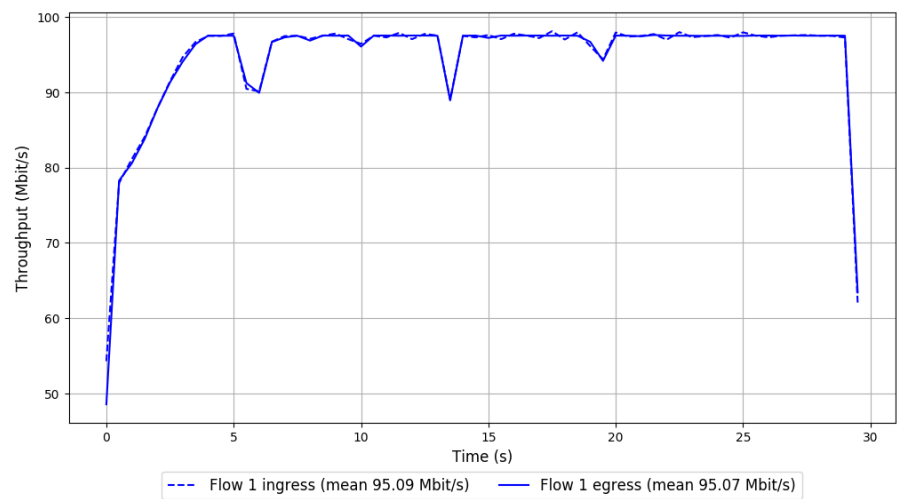Run 1: Report of Indigo-calib — Data Link

```
Run 2: Statistics of Indigo-calib

Start at: 2017-11-30 09:33:29
End at: 2017-11-30 09:33:59
Local clock offset: -7.792 ms
Remote clock offset: -20.598 ms

# Below is generated by plot.py at 2017-11-30 14:55:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 39.814 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 39.814 ms
Loss rate: 0.11%
```

Run 2: Report of Indigo-calib — Data Link

```
Run 3: Statistics of Indigo-calib

Start at: 2017-11-30 09:49:56
End at: 2017-11-30 09:50:26
Local clock offset: -1.368 ms
Remote clock offset: -19.643 ms


# Below is generated by plot.py at 2017-11-30 14:55:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 35.238 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 35.238 ms
Loss rate: 0.10%
```
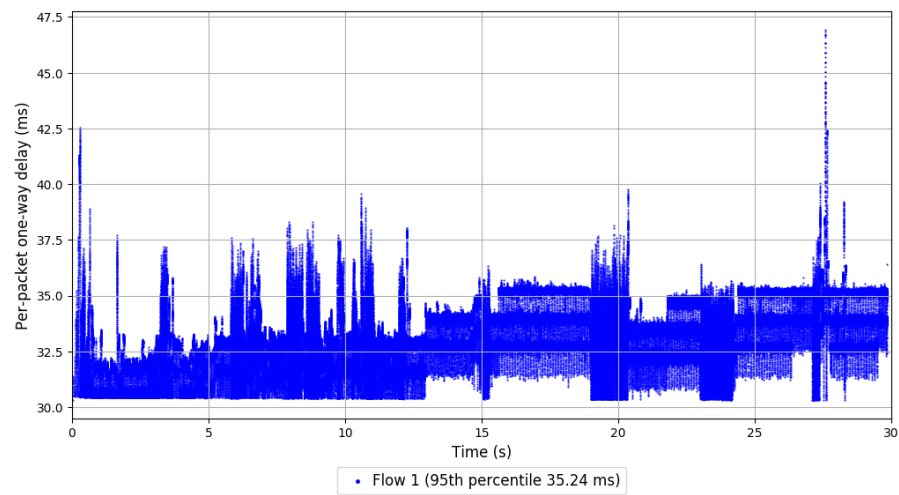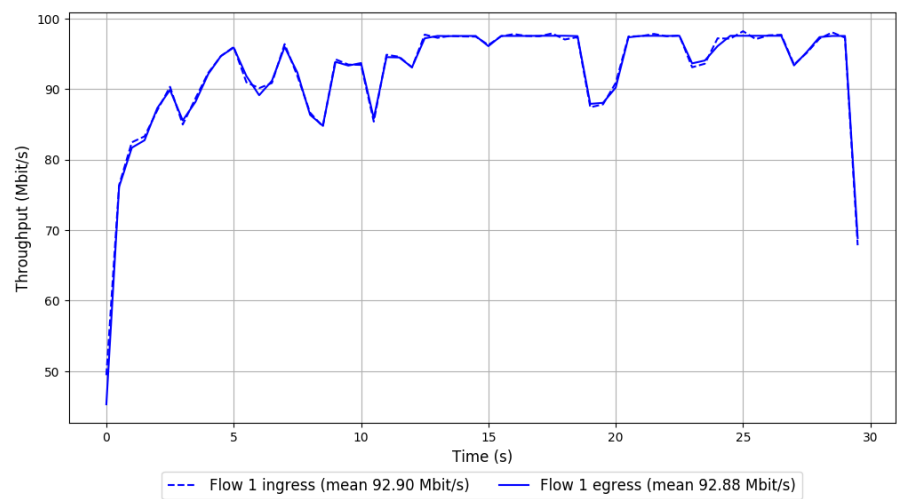
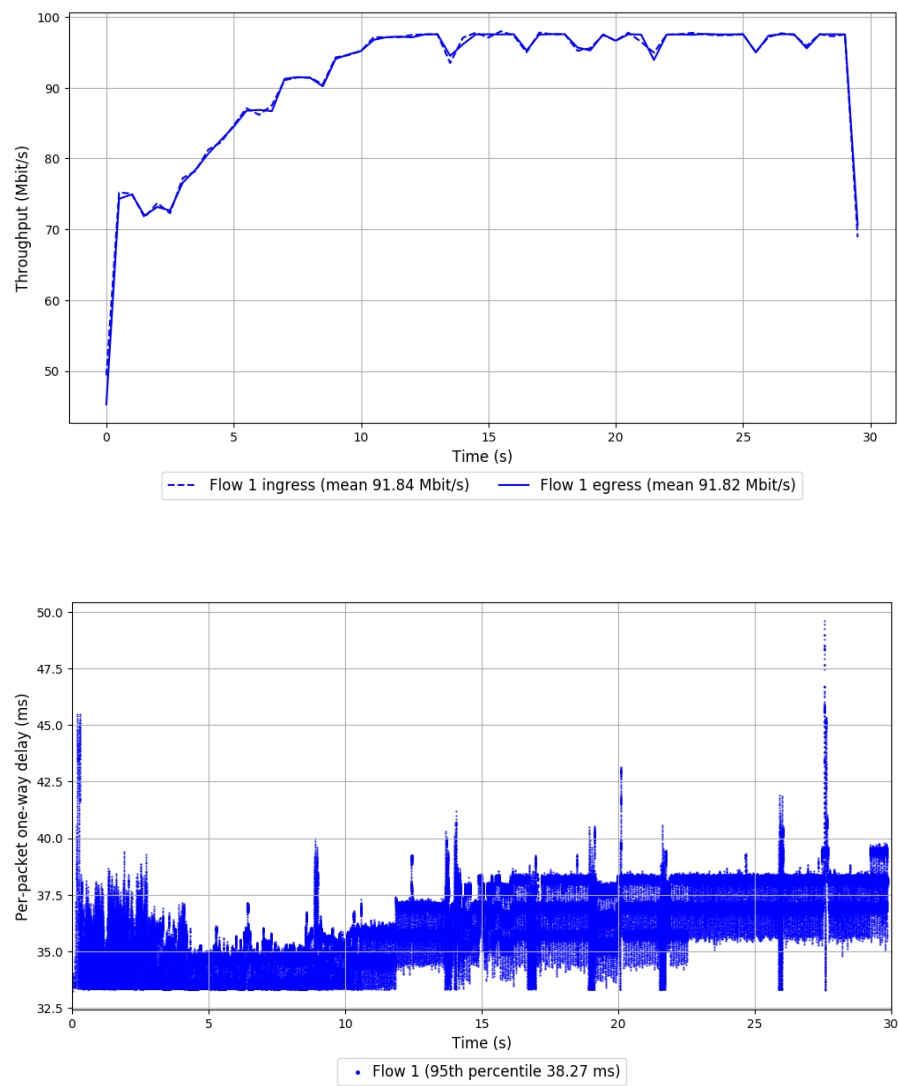# Run 3: Report of Indigo-calib — Data Link

```
Run 4: Statistics of Indigo-calib

Start at: 2017-11-30 10:06:28
End at: 2017-11-30 10:06:58
Local clock offset: 4.033 ms
Remote clock offset: -20.536 ms


# Below is generated by plot.py at 2017-11-30 14:55:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 38.270 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 38.270 ms
Loss rate: 0.10%
```

Run 4: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 91.84 Mbit/s)   —— Flow 1 egress (mean 91.82 Mbit/s)
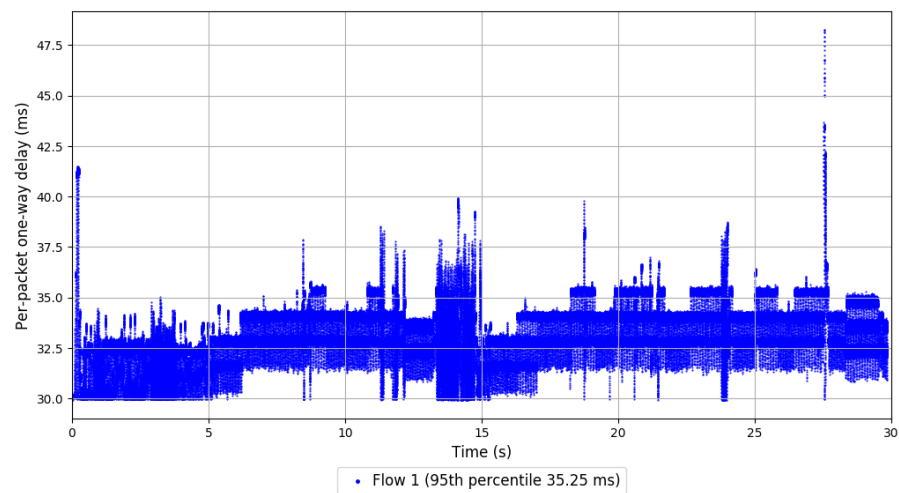
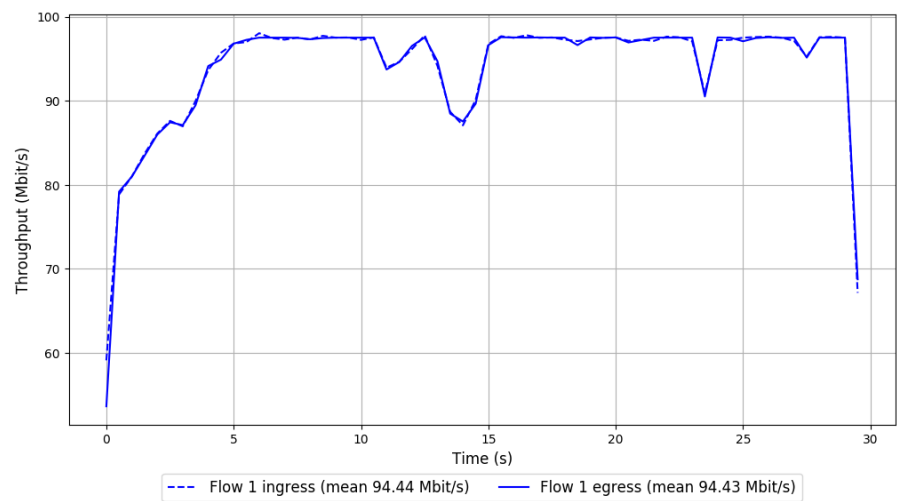

· Flow 1 (95th percentile 38.27 ms)

```
Run 5: Statistics of Indigo-calib

Start at: 2017-11-30 10:23:28
End at: 2017-11-30 10:23:58
Local clock offset: 7.476 ms
Remote clock offset: -18.459 ms


# Below is generated by plot.py at 2017-11-30 14:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 35.254 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 35.254 ms
Loss rate: 0.09%
```

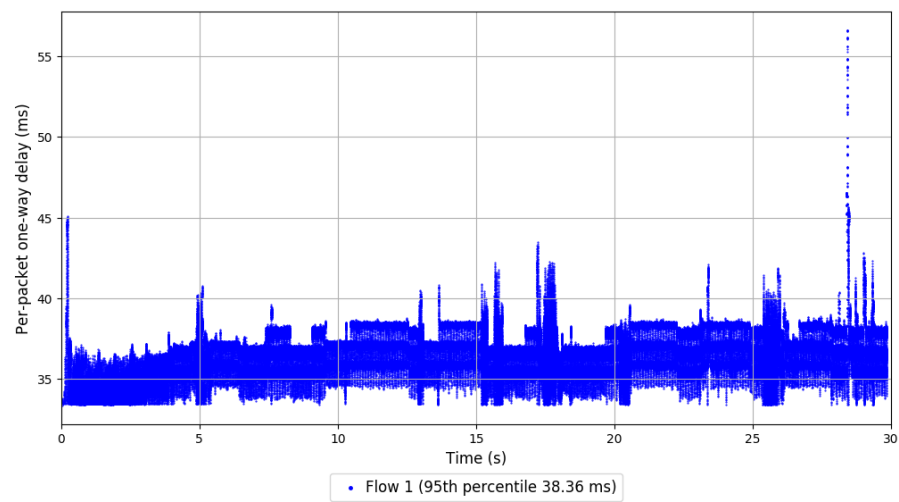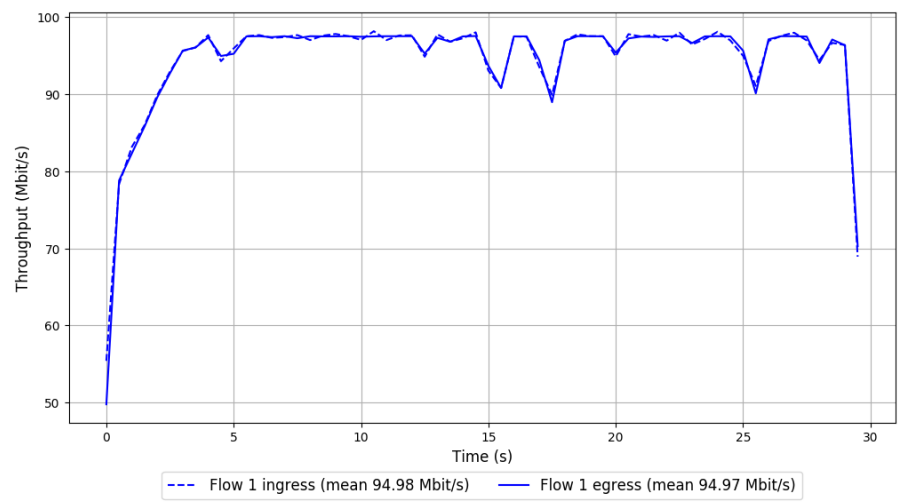Run 5: Report of Indigo-calib — Data Link

```
Run 6: Statistics of Indigo-calib

Start at: 2017-11-30 10:39:50
End at: 2017-11-30 10:40:20
Local clock offset: 2.995 ms
Remote clock offset: -24.729 ms


# Below is generated by plot.py at 2017-11-30 14:55:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 38.359 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 38.359 ms
Loss rate: 0.10%
```

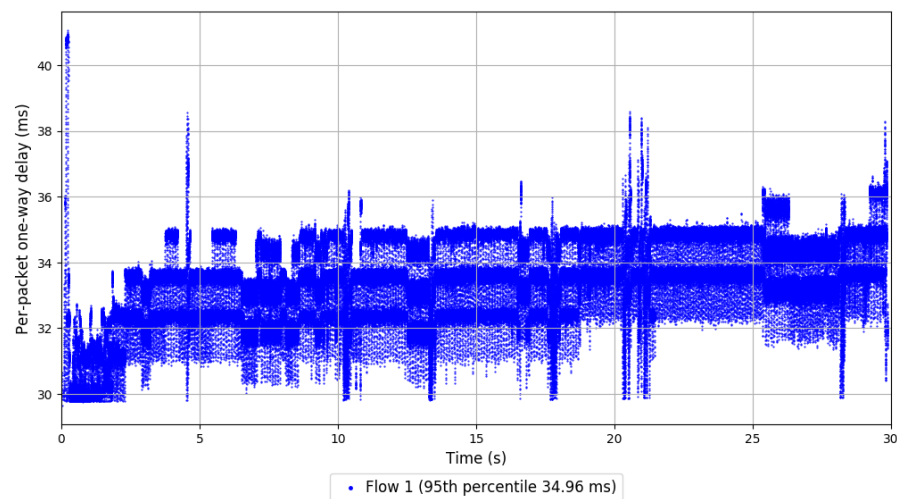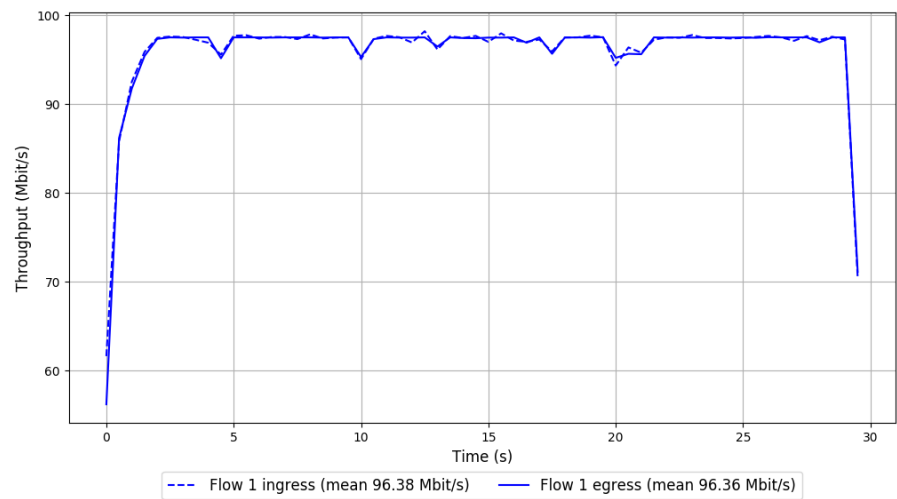Run 6: Report of Indigo-calib — Data Link

```
Run 7: Statistics of Indigo-calib

Start at: 2017-11-30 10:56:11
End at: 2017-11-30 10:56:41
Local clock offset: 4.327 ms
Remote clock offset: -18.67 ms


# Below is generated by plot.py at 2017-11-30 14:55:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 34.957 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 34.957 ms
Loss rate: 0.10%
```

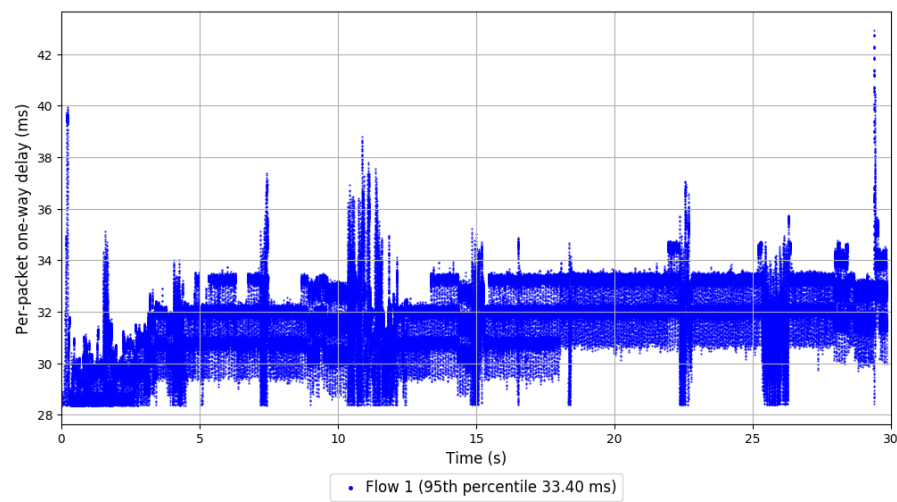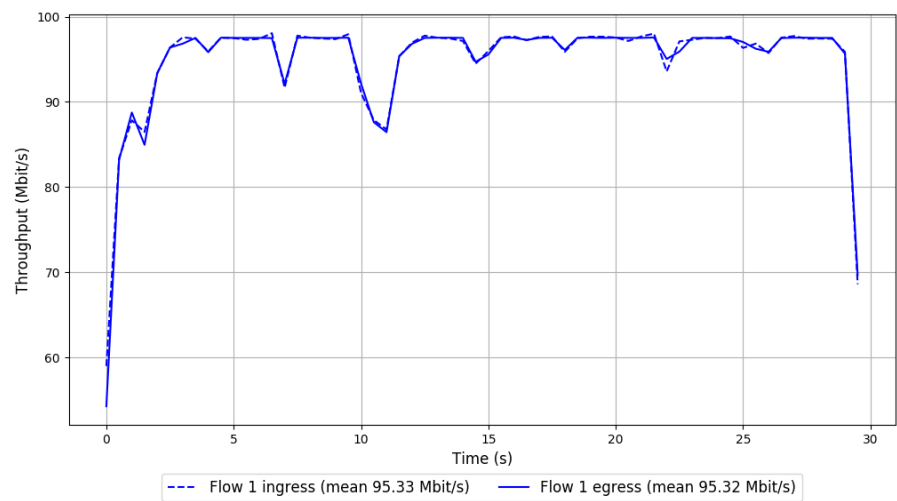Run 7: Report of Indigo-calib — Data Link

```
Run 8: Statistics of Indigo-calib

Start at: 2017-11-30 11:12:56
End at: 2017-11-30 11:13:26
Local clock offset: 2.209 ms
Remote clock offset: -16.426 ms


# Below is generated by plot.py at 2017-11-30 14:55:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 33.403 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 33.403 ms
Loss rate: 0.09%
```

Run 8: Report of Indigo-calib — Data Link

```
Run 9: Statistics of Indigo-calib

Start at: 2017-11-30 11:29:16
End at: 2017-11-30 11:29:46
Local clock offset: 0.678 ms
Remote clock offset: -17.494 ms


# Below is generated by plot.py at 2017-11-30 14:55:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 34.524 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 34.524 ms
Loss rate: 0.10%
```
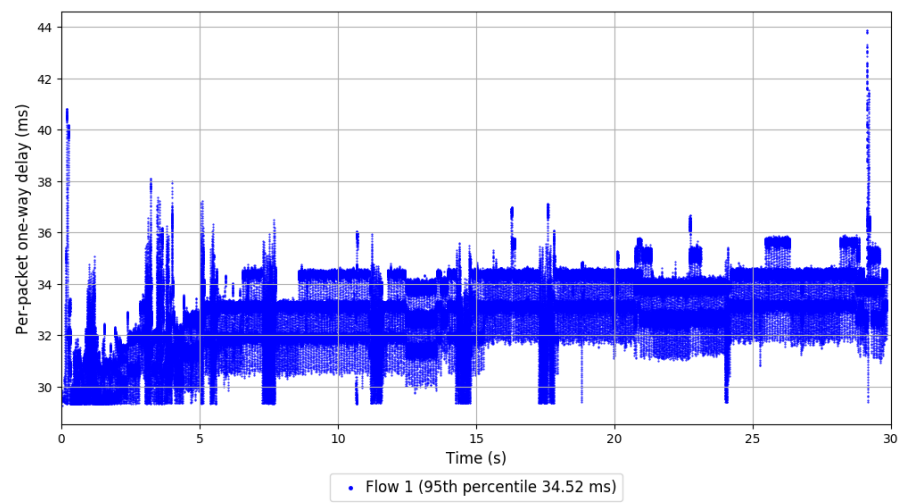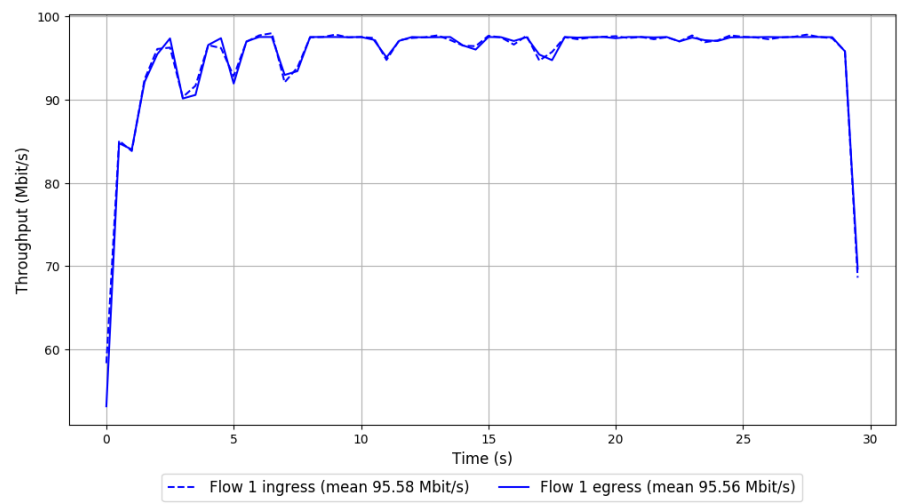
Run 9: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 95.58 Mbit/s) --- Flow 1 egress (mean 95.56 Mbit/s)

• Flow 1 (95th percentile 34.52 ms)

```
Run 10: Statistics of Indigo-calib

Start at: 2017-11-30 11:45:52
End at: 2017-11-30 11:46:22
Local clock offset: -0.227 ms
Remote clock offset: -18.645 ms


# Below is generated by plot.py at 2017-11-30 14:55:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 36.009 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 36.009 ms
Loss rate: 0.10%
```

Run 10: Report of Indigo-calib — Data Link