Pantheon Report

Generated at 2017-09-17 17:23:20 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) →Colombia Ethernet (*remote*).

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

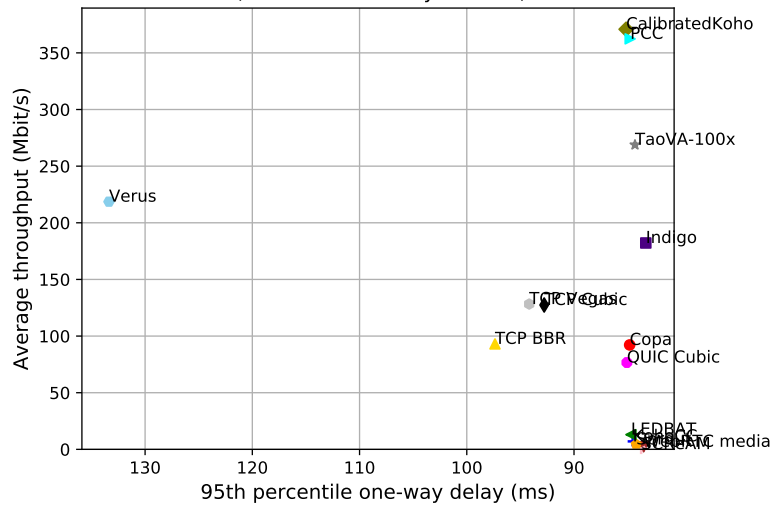Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

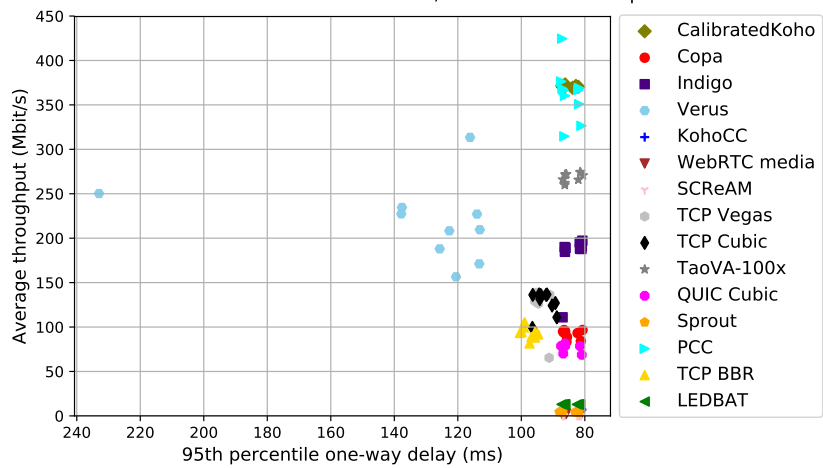NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 57453dc11f8da93a2e03eea75289fea01b816298
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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 AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme

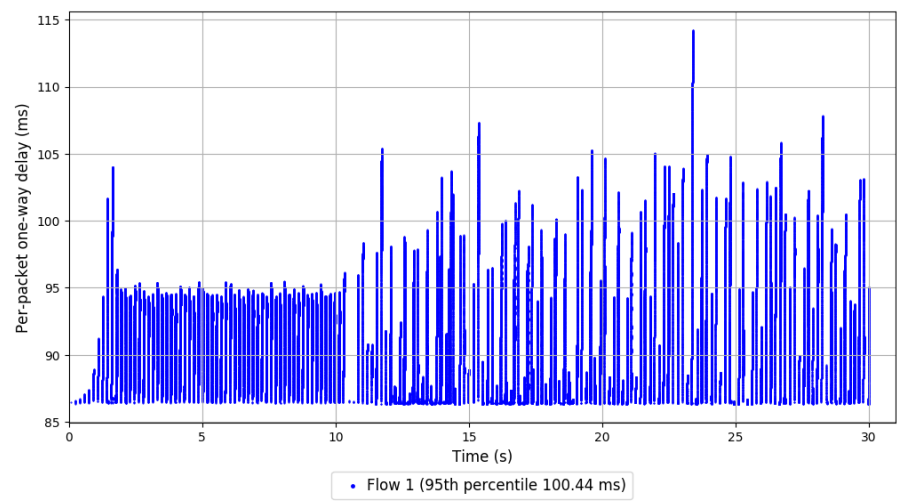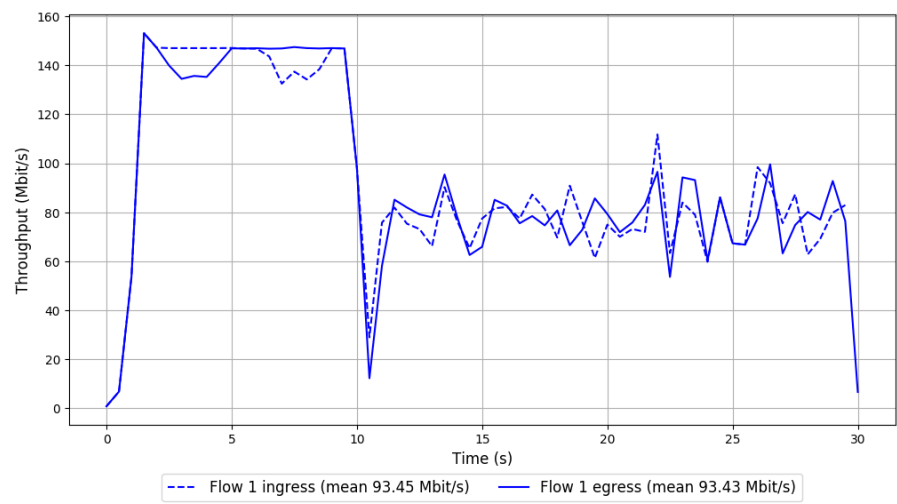| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.09	97.37	0.00
CalibratedKoho	10	370.84	85.14	24.31
Copa	10	92.18	84.81	0.00
TCP Cubic	10	127.42	92.78	0.04
Indigo	10	182.18	83.31	0.00
KohoCC	10	7.03	84.53	0.00
LEDBAT	10	13.00	84.69	0.00
PCC	10	362.36	84.76	7.07
QUIC Cubic	7	76.64	85.07	0.00
SCReAM	10	0.22	83.74	0.00
Sprout	8	4.37	84.20	0.00
TaoVA-100x	10	268.83	84.31	0.00
TCP Vegas	10	128.27	94.18	0.03
Verus	10	218.63	133.37	1.24
WebRTC media	10	2.24	83.51	1.15

```
Run 1: Statistics of TCP BBR

Start at: 2017-09-17 12:39:58
End at: 2017-09-17 12:40:28
Local clock offset: -10.039 ms
Remote clock offset: -7.977 ms


# Below is generated by plot.py at 2017-09-17 16:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 94.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 94.907 ms
Loss rate: 0.00%
```
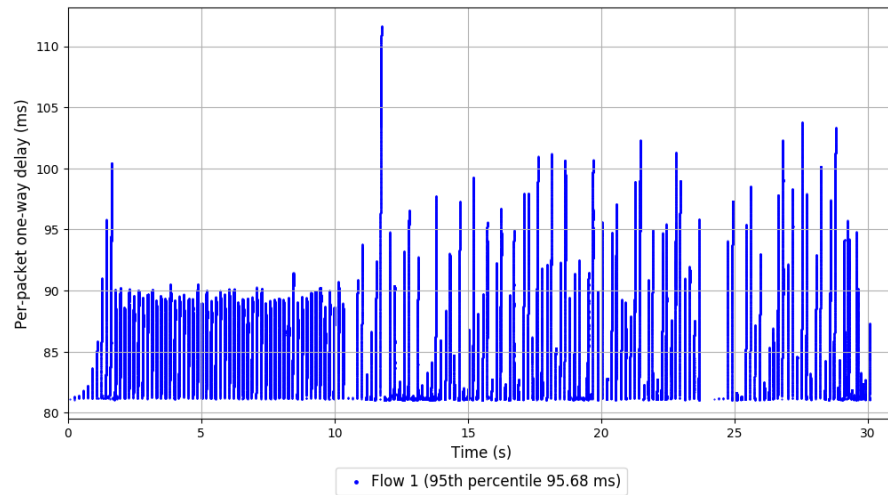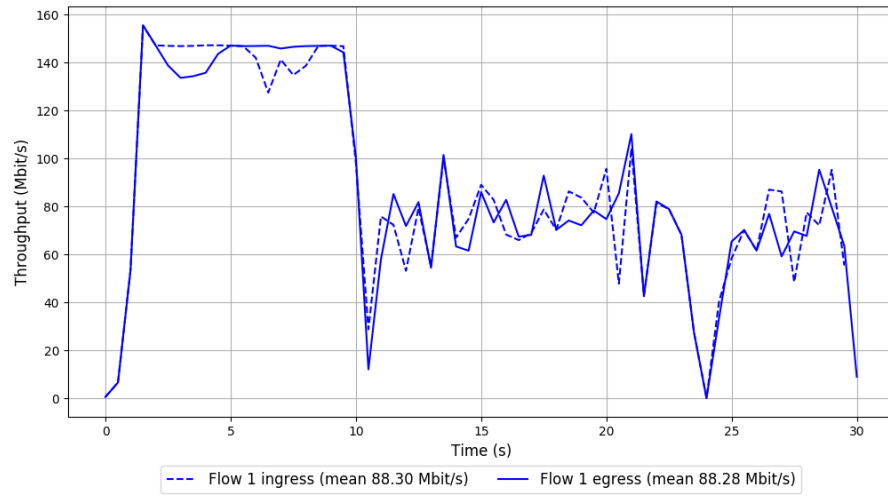
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2017-09-17 12:59:35
End at: 2017-09-17 13:00:05
Local clock offset: -10.231 ms
Remote clock offset: -3.215 ms


# Below is generated by plot.py at 2017-09-17 16:44:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 100.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 100.436 ms
Loss rate: 0.00%
```

Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2017-09-17 13:19:09
End at: 2017-09-17 13:19:39
Local clock offset: -10.087 ms
Remote clock offset: -8.327 ms


# Below is generated by plot.py at 2017-09-17 16:44:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 95.680 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 95.680 ms
Loss rate: 0.02%
```
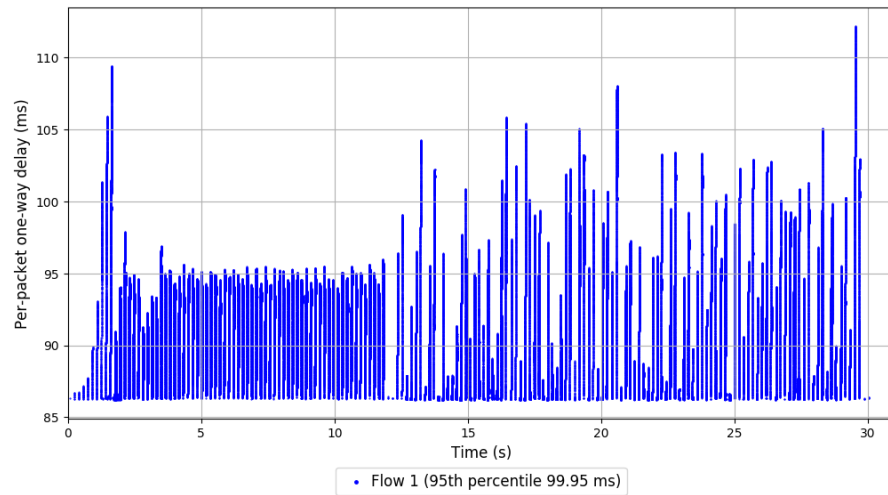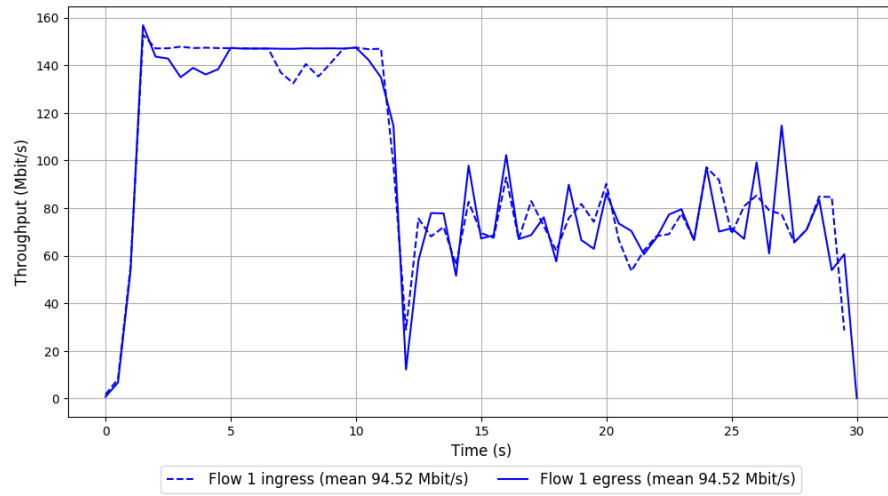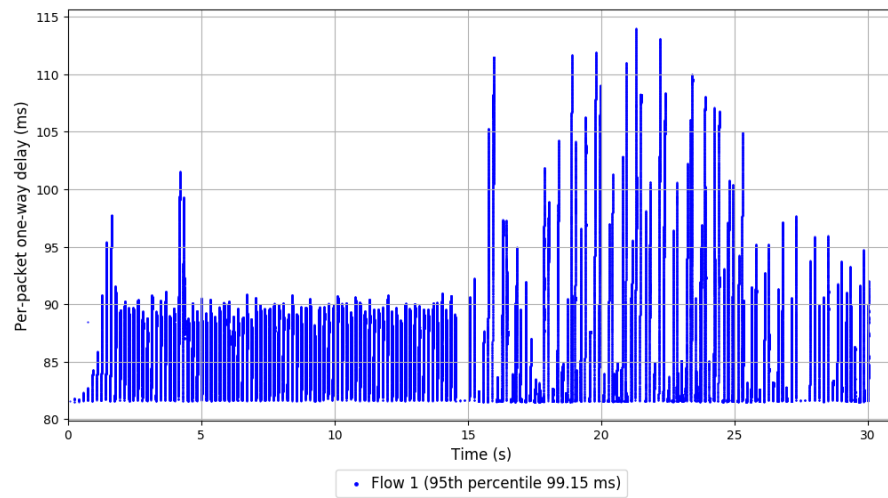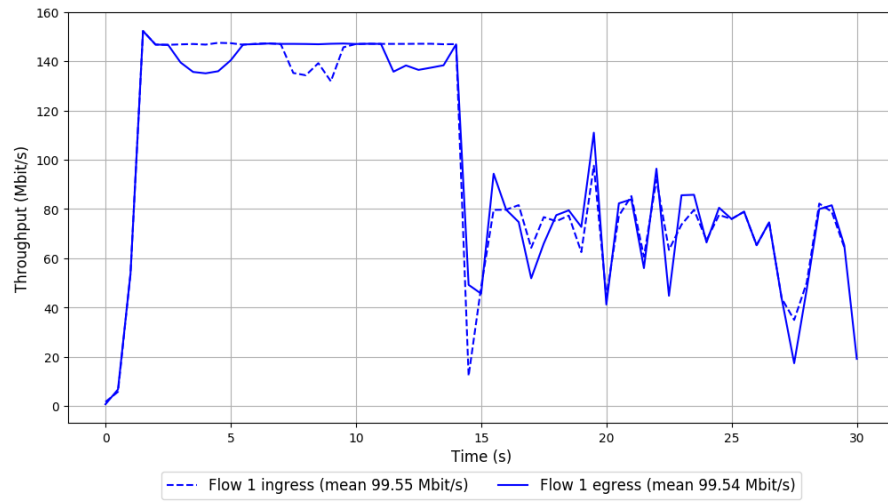
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 88.30 Mbit/s) --- Flow 1 egress (mean 88.28 Mbit/s)

Flow 1 (95th percentile 95.68 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2017-09-17 13:39:25
End at: 2017-09-17 13:39:55
Local clock offset: -9.79 ms
Remote clock offset: -3.06 ms


# Below is generated by plot.py at 2017-09-17 16:44:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 99.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 99.955 ms
Loss rate: 0.00%
```
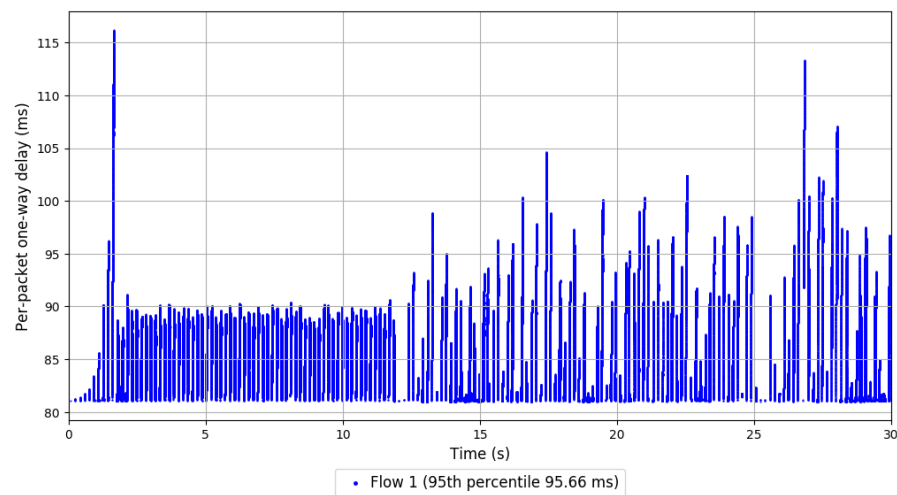
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2017-09-17 14:00:00
End at: 2017-09-17 14:00:30
Local clock offset: -9.631 ms
Remote clock offset: -7.668 ms


# Below is generated by plot.py at 2017-09-17 16:44:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.54 Mbit/s
95th percentile per-packet one-way delay: 99.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.54 Mbit/s
95th percentile per-packet one-way delay: 99.154 ms
Loss rate: 0.00%
```
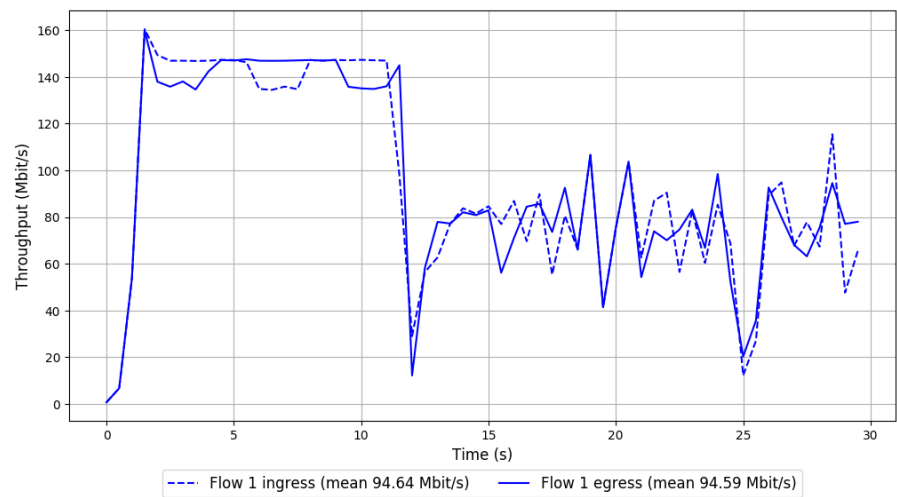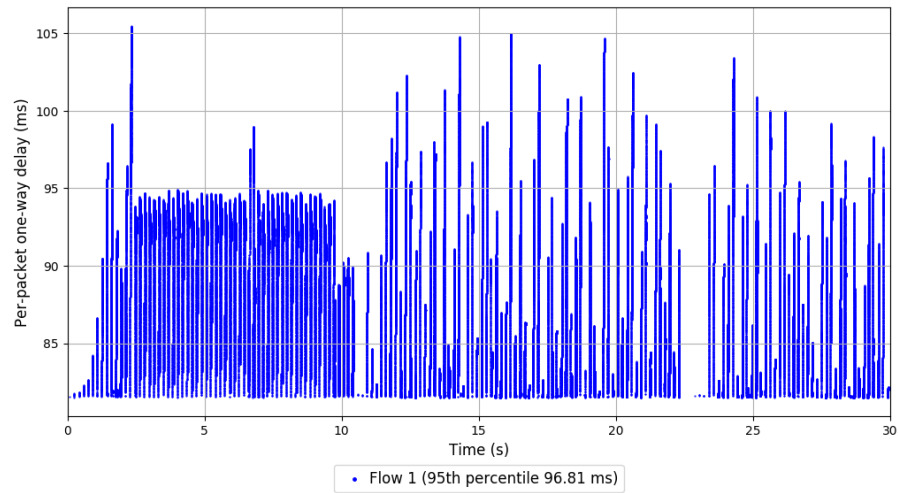
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 99.55 Mbit/s)   Flow 1 egress (mean 99.54 Mbit/s)

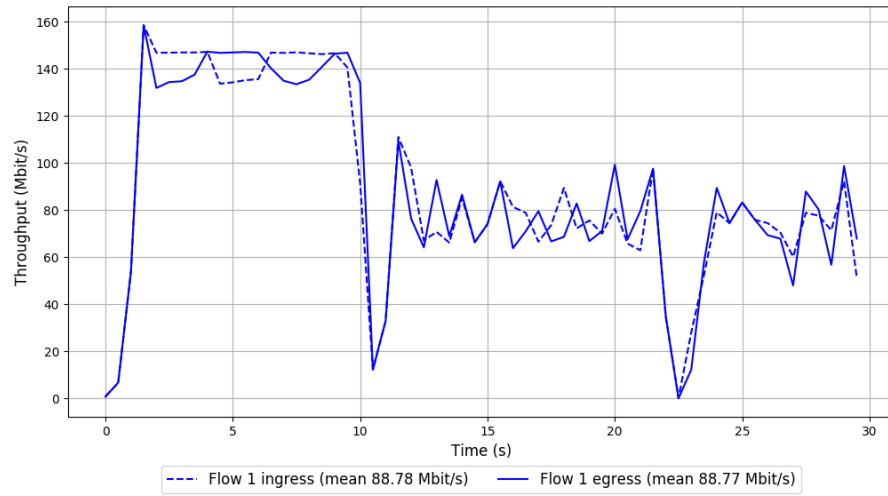Flow 1 (95th percentile 99.15 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2017-09-17 14:20:53
End at: 2017-09-17 14:21:23
Local clock offset: -9.363 ms
Remote clock offset: -8.359 ms


# Below is generated by plot.py at 2017-09-17 16:44:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 95.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 95.659 ms
Loss rate: 0.00%
```
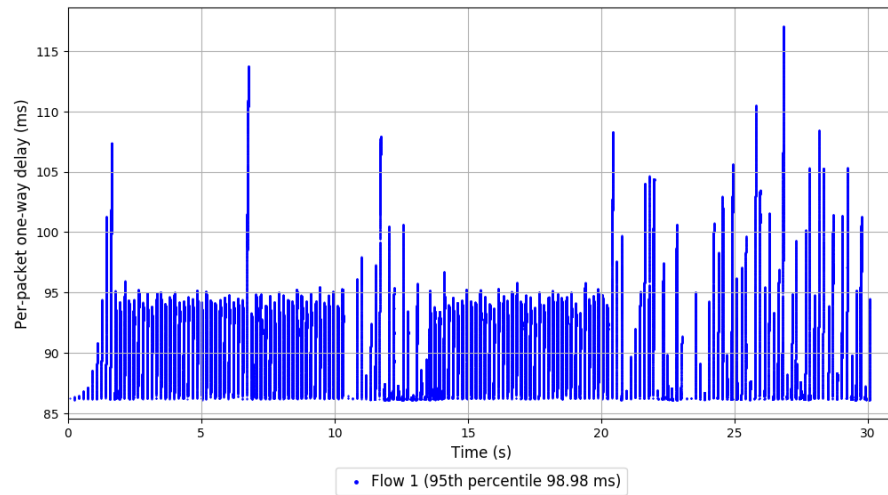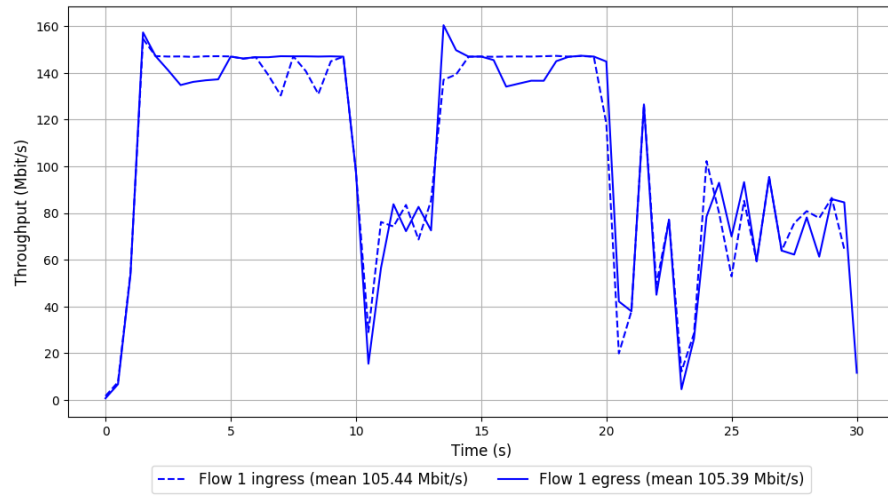
Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: 2017-09-17 14:40:55
End at: 2017-09-17 14:41:25
Local clock offset: -9.296 ms
Remote clock offset: -7.942 ms


# Below is generated by plot.py at 2017-09-17 16:44:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 96.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 96.809 ms
Loss rate: 0.00%
```
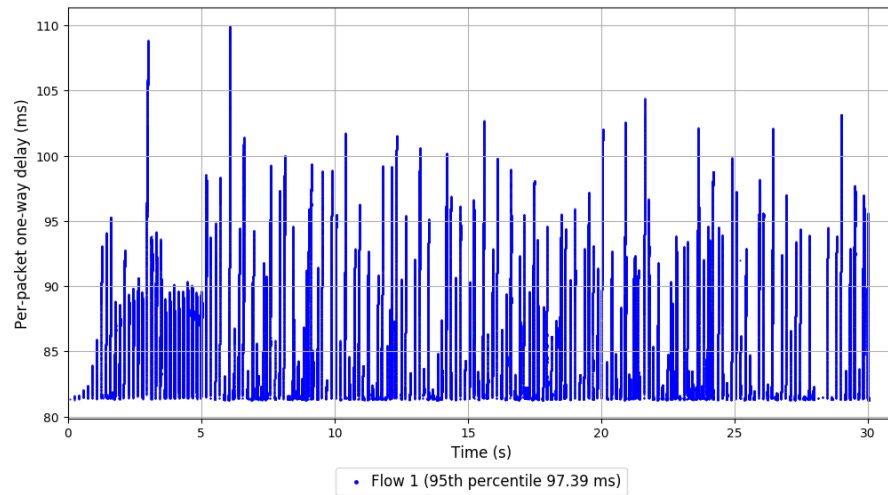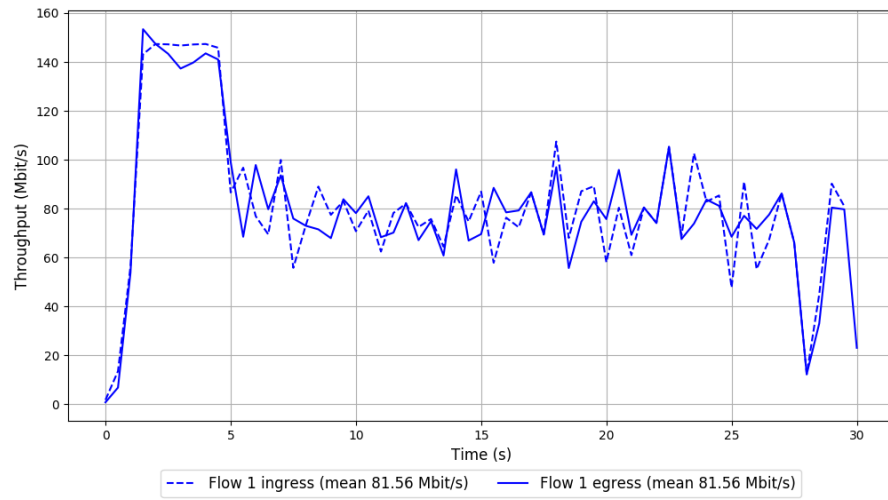
Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2017-09-17 15:01:19
End at: 2017-09-17 15:01:49
Local clock offset: -8.905 ms
Remote clock offset: -2.989 ms


# Below is generated by plot.py at 2017-09-17 16:44:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.39 Mbit/s
95th percentile per-packet one-way delay: 98.979 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 105.39 Mbit/s
95th percentile per-packet one-way delay: 98.979 ms
Loss rate: 0.02%
```
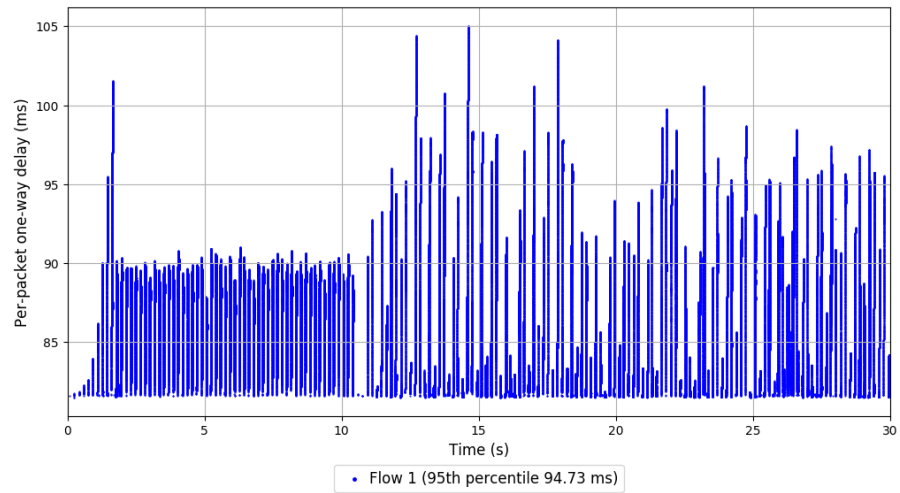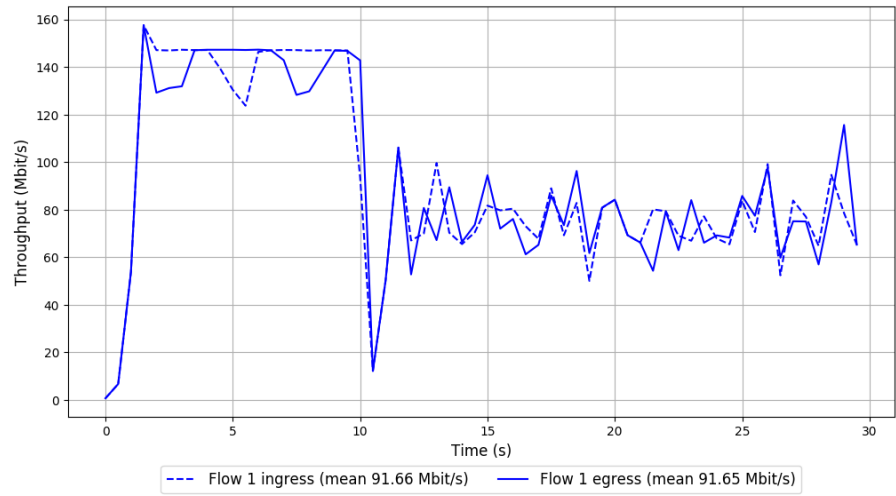
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 105.44 Mbit/s) — — — Flow 1 egress (mean 105.39 Mbit/s)

• Flow 1 (95th percentile 98.98 ms)

19

```
Run 9: Statistics of TCP BBR

Start at: 2017-09-17 15:22:15
End at: 2017-09-17 15:22:46
Local clock offset: -8.799 ms
Remote clock offset: -7.776 ms


# Below is generated by plot.py at 2017-09-17 16:45:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 97.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 97.395 ms
Loss rate: 0.00%
```
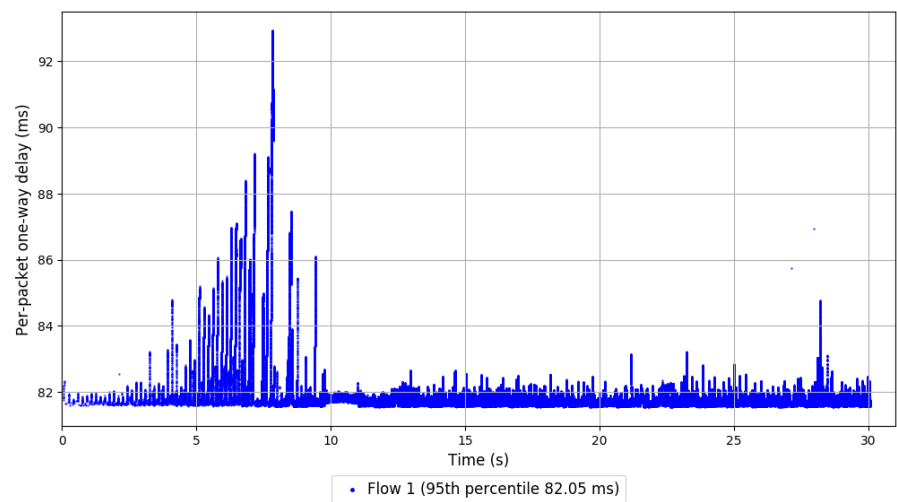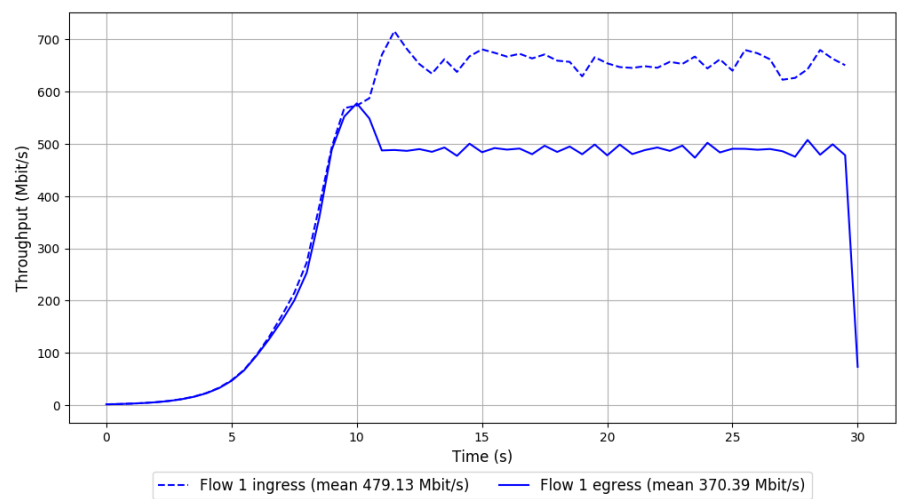
Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2017-09-17 15:43:20
End at: 2017-09-17 15:43:50
Local clock offset: -8.593 ms
Remote clock offset: -7.886 ms


# Below is generated by plot.py at 2017-09-17 16:45:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 94.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 94.728 ms
Loss rate: 0.00%
```
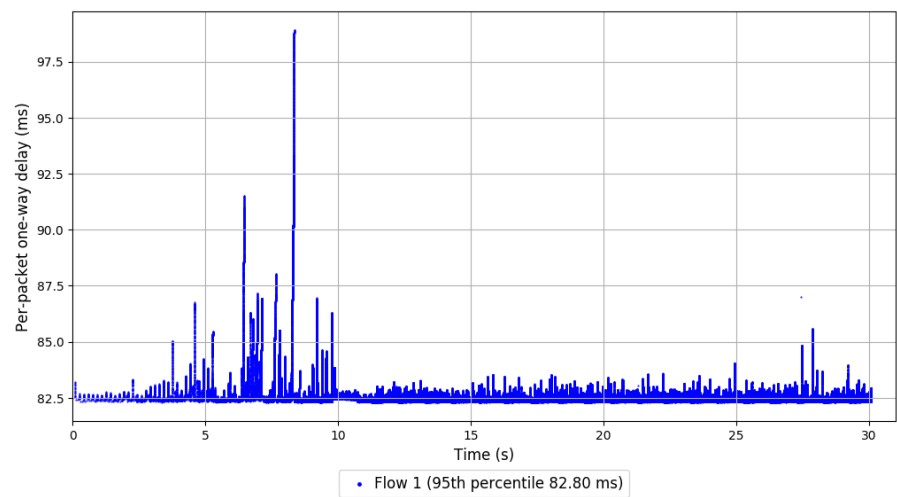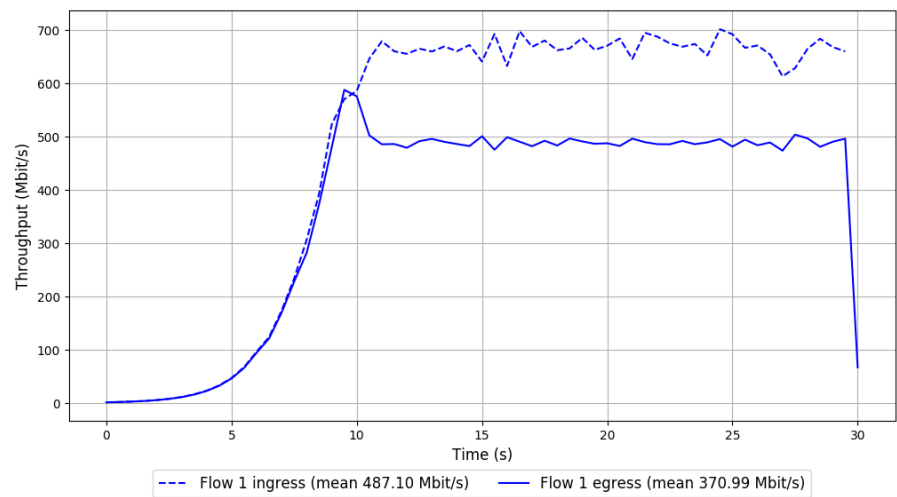
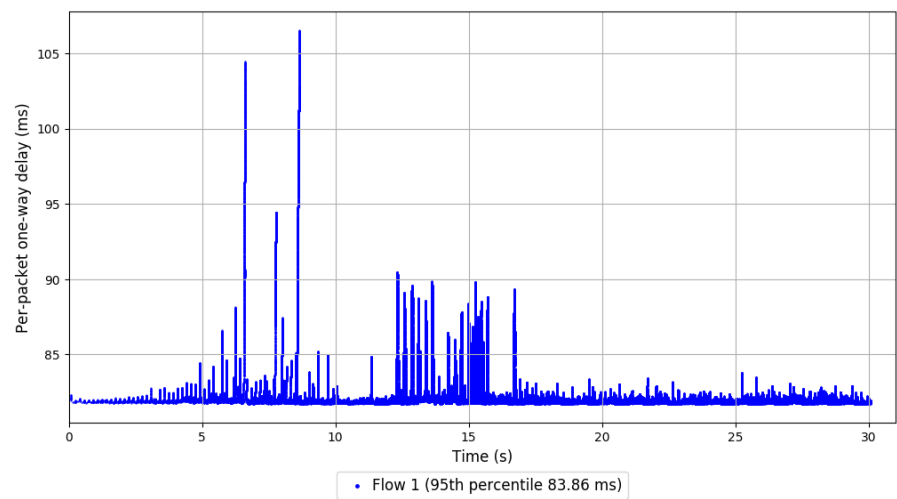Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of CalibratedKoho

Start at: 2017-09-17 12:30:40
End at: 2017-09-17 12:31:10
Local clock offset: -10.033 ms
Remote clock offset: -7.721 ms


# Below is generated by plot.py at 2017-09-17 16:49:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.39 Mbit/s
95th percentile per-packet one-way delay: 82.052 ms
Loss rate: 22.70%
-- Flow 1:
Average throughput: 370.39 Mbit/s
95th percentile per-packet one-way delay: 82.052 ms
Loss rate: 22.70%
```
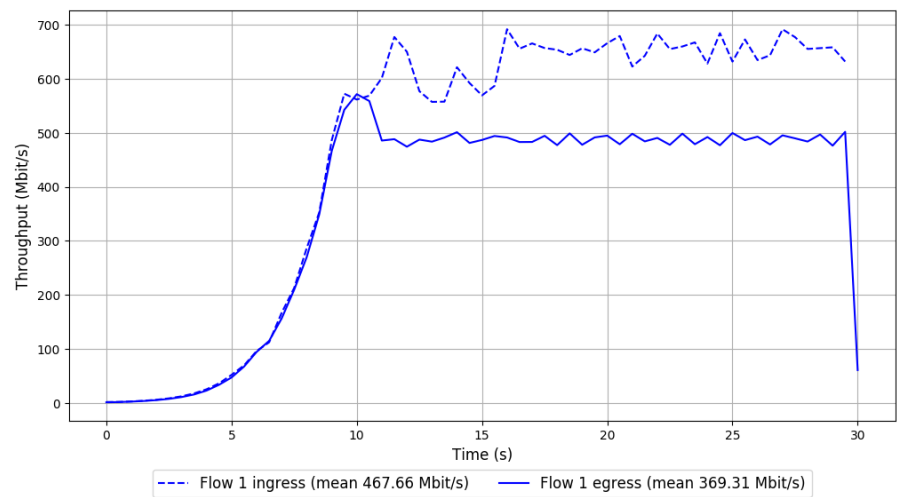
Run 1: Report of CalibratedKoho — Data Link

```
Run 2: Statistics of CalibratedKoho

Start at: 2017-09-17 12:50:01
End at: 2017-09-17 12:50:31
Local clock offset: -10.156 ms
Remote clock offset: -7.68 ms


# Below is generated by plot.py at 2017-09-17 16:50:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.99 Mbit/s
95th percentile per-packet one-way delay: 82.795 ms
Loss rate: 23.84%
-- Flow 1:
Average throughput: 370.99 Mbit/s
95th percentile per-packet one-way delay: 82.795 ms
Loss rate: 23.84%
```
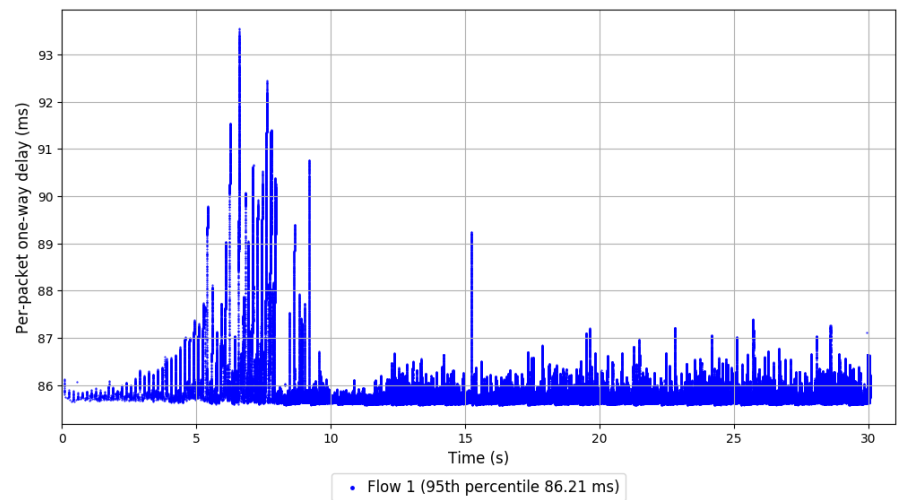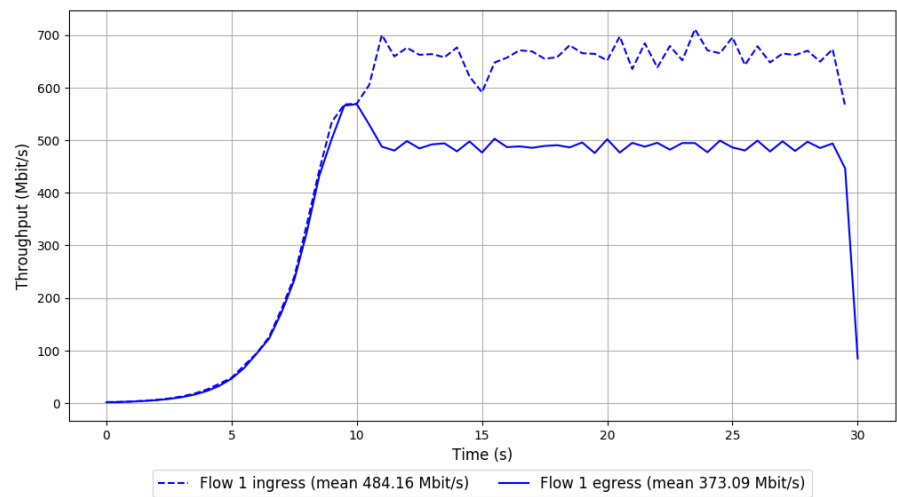
Run 2: Report of CalibratedKoho — Data Link

```
Run 3: Statistics of CalibratedKoho

Start at: 2017-09-17 13:09:43
End at: 2017-09-17 13:10:13
Local clock offset: -10.208 ms
Remote clock offset: -7.743 ms


# Below is generated by plot.py at 2017-09-17 16:50:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 369.31 Mbit/s
95th percentile per-packet one-way delay: 83.860 ms
Loss rate: 21.03%
-- Flow 1:
Average throughput: 369.31 Mbit/s
95th percentile per-packet one-way delay: 83.860 ms
Loss rate: 21.03%
```
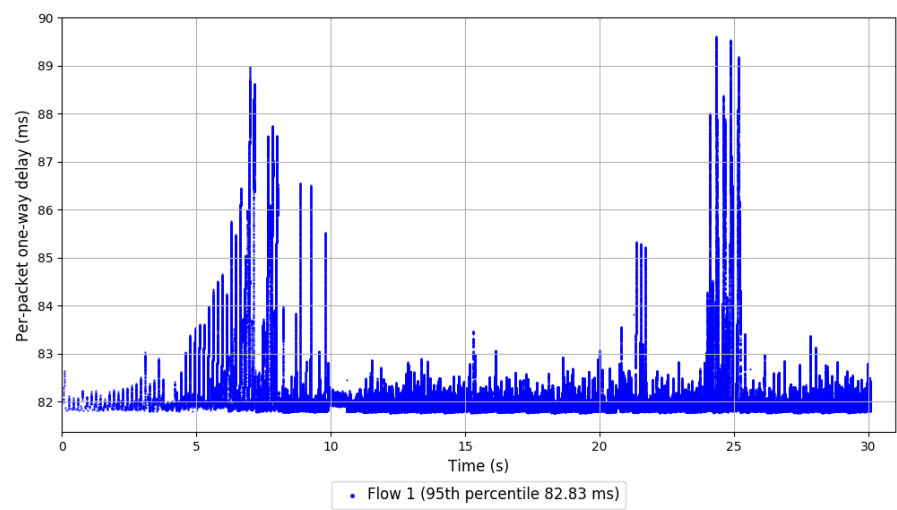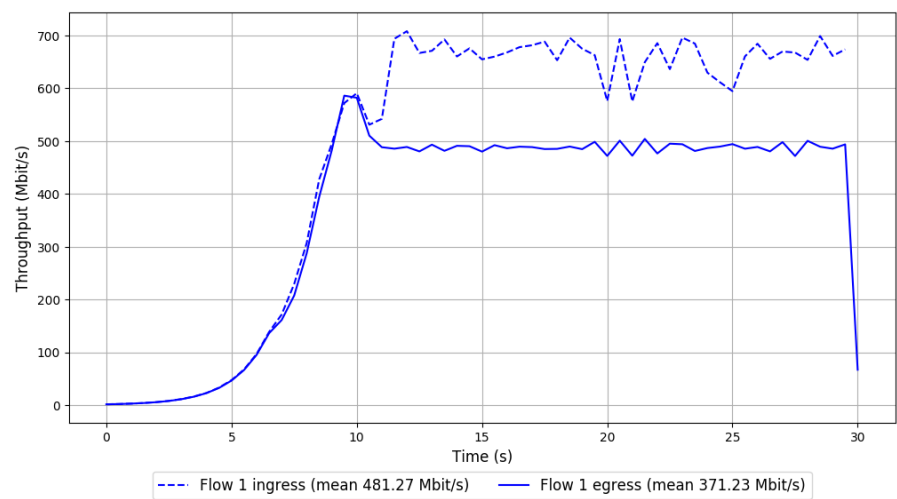
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: 2017-09-17 13:29:25
End at: 2017-09-17 13:29:55
Local clock offset: -9.967 ms
Remote clock offset: -3.432 ms


# Below is generated by plot.py at 2017-09-17 16:50:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 373.09 Mbit/s
95th percentile per-packet one-way delay: 86.208 ms
Loss rate: 22.94%
-- Flow 1:
Average throughput: 373.09 Mbit/s
95th percentile per-packet one-way delay: 86.208 ms
Loss rate: 22.94%
```
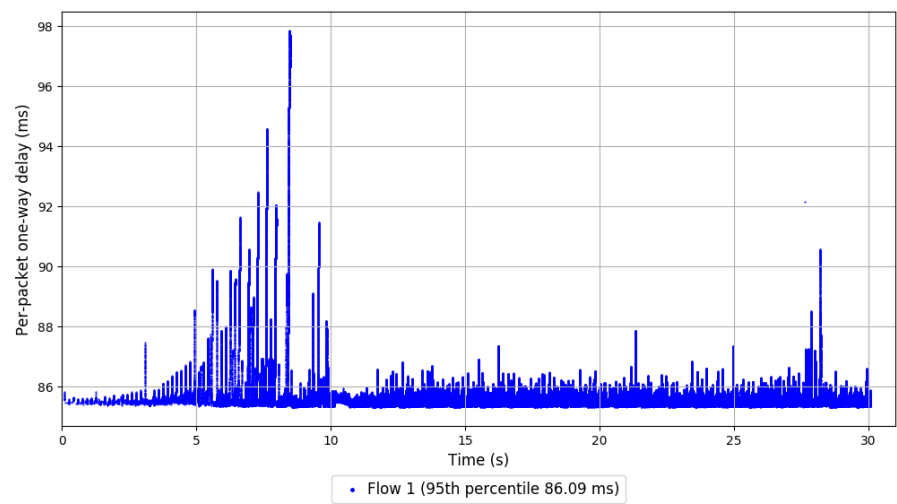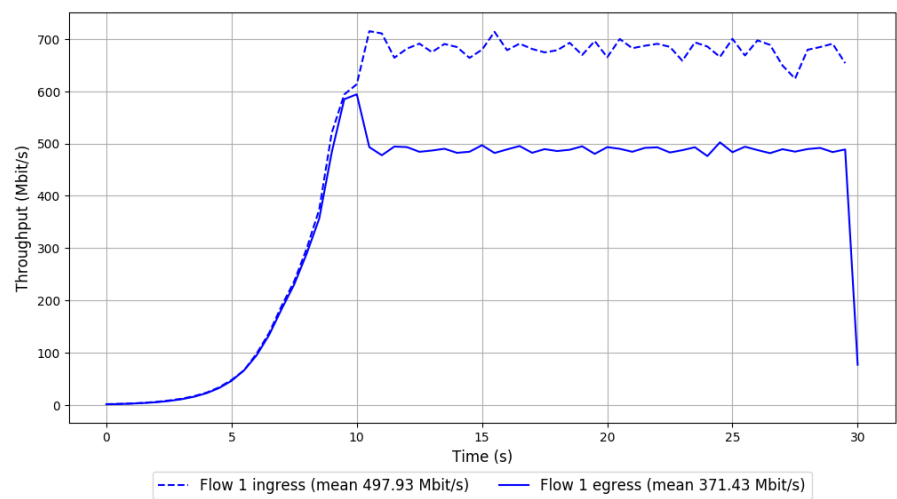
Run 4: Report of CalibratedKoho — Data Link

```
Run 5: Statistics of CalibratedKoho

Start at: 2017-09-17 13:49:53
End at: 2017-09-17 13:50:23
Local clock offset: -9.671 ms
Remote clock offset: -8.056 ms


# Below is generated by plot.py at 2017-09-17 16:50:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 371.23 Mbit/s
95th percentile per-packet one-way delay: 82.832 ms
Loss rate: 22.87%
-- Flow 1:
Average throughput: 371.23 Mbit/s
95th percentile per-packet one-way delay: 82.832 ms
Loss rate: 22.87%
```
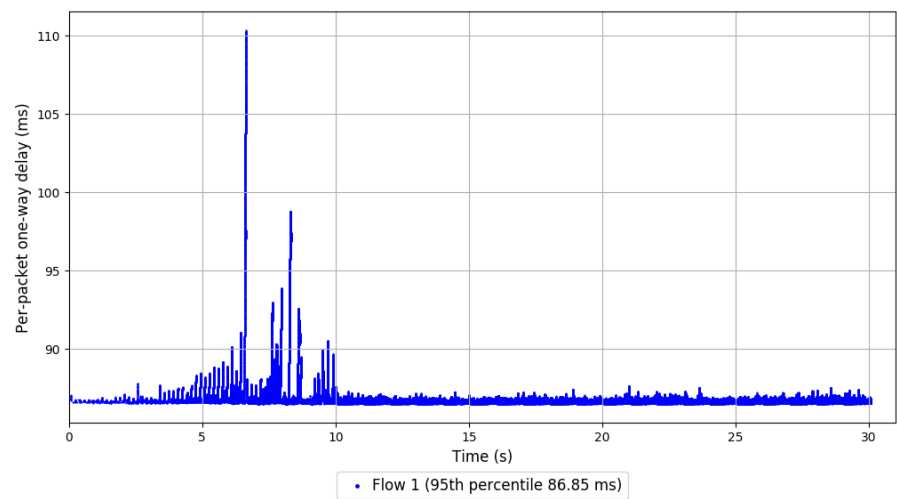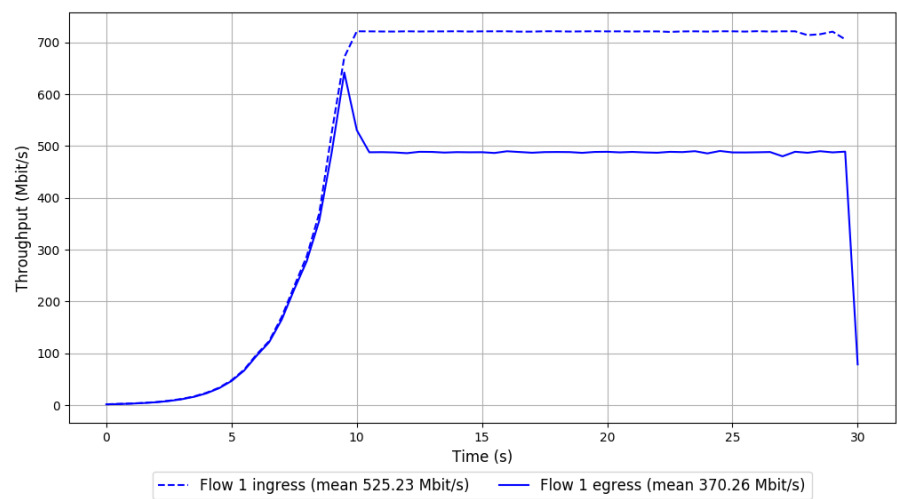
Run 5: Report of CalibratedKoho — Data Link

```
Run 6: Statistics of CalibratedKoho

Start at: 2017-09-17 14:10:34
End at: 2017-09-17 14:11:04
Local clock offset: -9.49 ms
Remote clock offset: -3.548 ms


# Below is generated by plot.py at 2017-09-17 16:50:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 371.43 Mbit/s
95th percentile per-packet one-way delay: 86.090 ms
Loss rate: 25.41%
-- Flow 1:
Average throughput: 371.43 Mbit/s
95th percentile per-packet one-way delay: 86.090 ms
Loss rate: 25.41%
```

Run 6: Report of CalibratedKoho — Data Link

```
Run 7: Statistics of CalibratedKoho

Start at: 2017-09-17 14:31:12
End at: 2017-09-17 14:31:42
Local clock offset: -9.306 ms
Remote clock offset: -2.893 ms


# Below is generated by plot.py at 2017-09-17 16:51:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.26 Mbit/s
95th percentile per-packet one-way delay: 86.853 ms
Loss rate: 29.51%
-- Flow 1:
Average throughput: 370.26 Mbit/s
95th percentile per-packet one-way delay: 86.853 ms
Loss rate: 29.51%
```
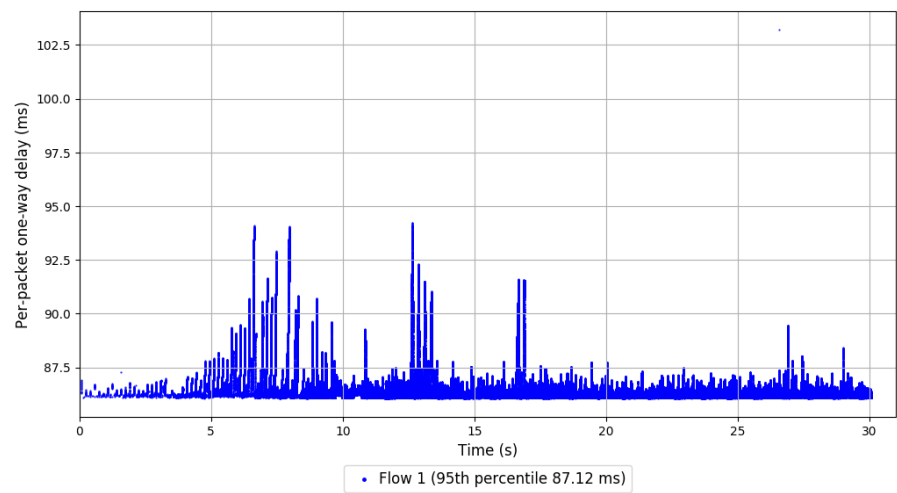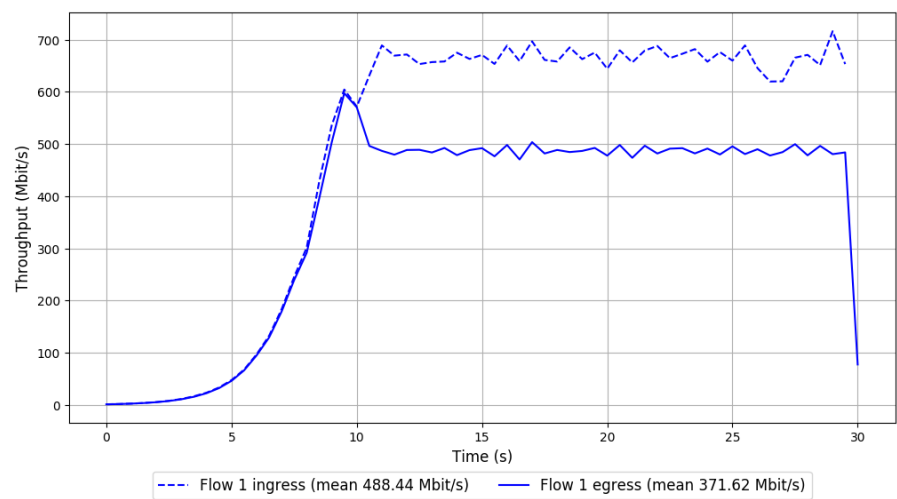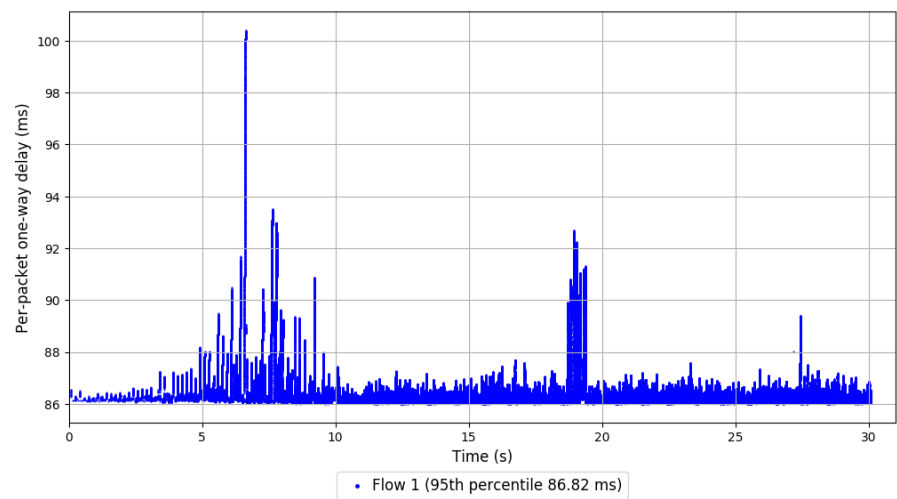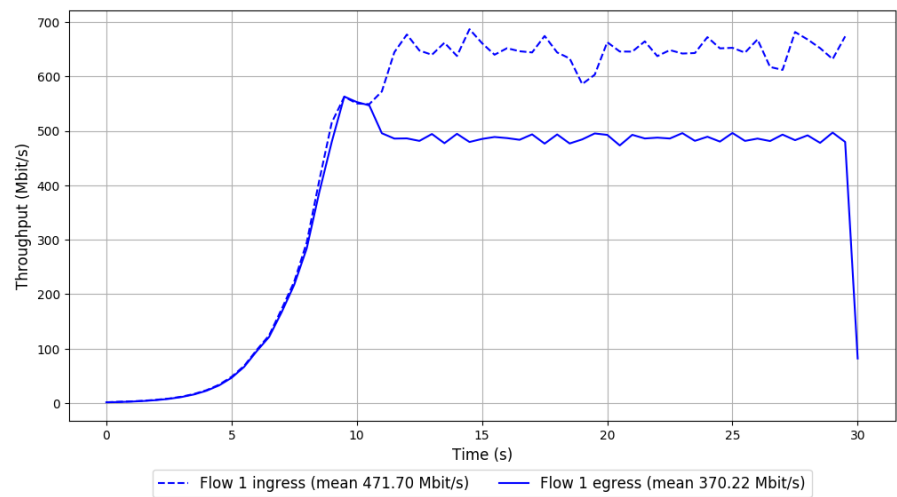
Run 7: Report of CalibratedKoho — Data Link

```
Run 8: Statistics of CalibratedKoho

Start at: 2017-09-17 14:51:32
End at: 2017-09-17 14:52:02
Local clock offset: -9.052 ms
Remote clock offset: -3.273 ms

# Below is generated by plot.py at 2017-09-17 16:51:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 371.62 Mbit/s
95th percentile per-packet one-way delay: 87.122 ms
Loss rate: 23.92%
-- Flow 1:
Average throughput: 371.62 Mbit/s
95th percentile per-packet one-way delay: 87.122 ms
Loss rate: 23.92%
```

Run 8: Report of CalibratedKoho — Data Link

```
Run 9: Statistics of CalibratedKoho

Start at: 2017-09-17 15:12:12
End at: 2017-09-17 15:12:42
Local clock offset: -8.834 ms
Remote clock offset: -3.021 ms


# Below is generated by plot.py at 2017-09-17 16:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.22 Mbit/s
95th percentile per-packet one-way delay: 86.822 ms
Loss rate: 21.51%
-- Flow 1:
Average throughput: 370.22 Mbit/s
95th percentile per-packet one-way delay: 86.822 ms
Loss rate: 21.51%
```

Run 9: Report of CalibratedKoho — Data Link

```
Run 10: Statistics of CalibratedKoho

Start at: 2017-09-17 15:33:16
End at: 2017-09-17 15:33:46
Local clock offset: -8.672 ms
Remote clock offset: -3.03 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 369.91 Mbit/s
95th percentile per-packet one-way delay: 86.776 ms
Loss rate: 29.36%
-- Flow 1:
Average throughput: 369.91 Mbit/s
95th percentile per-packet one-way delay: 86.776 ms
Loss rate: 29.36%
```
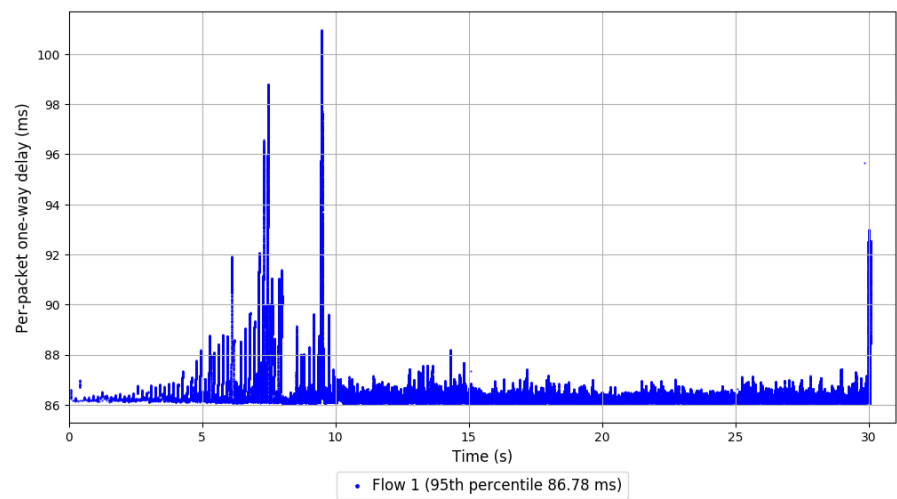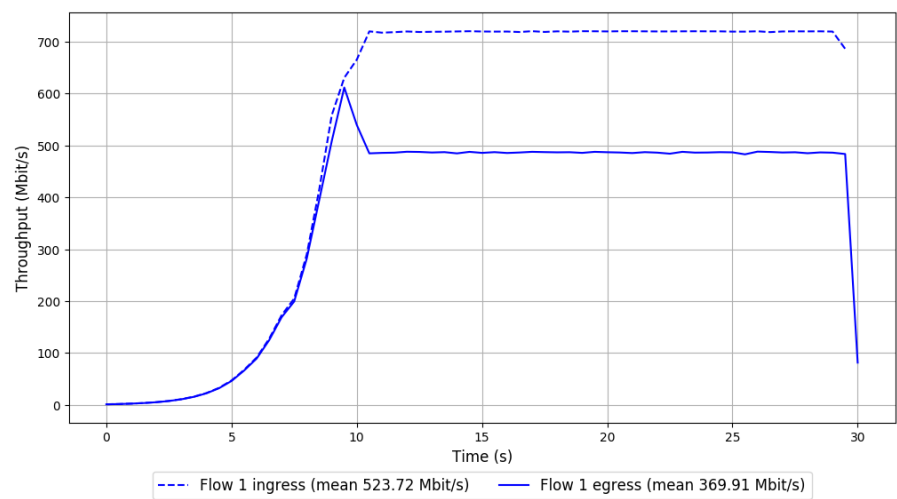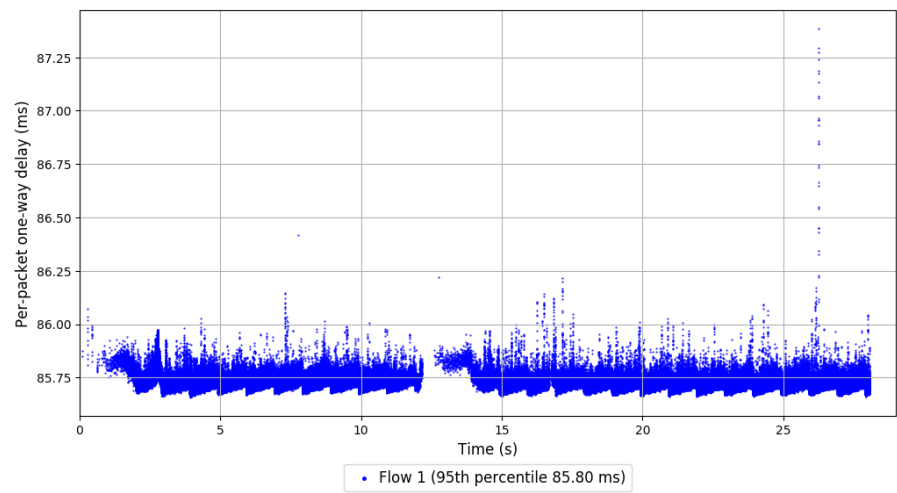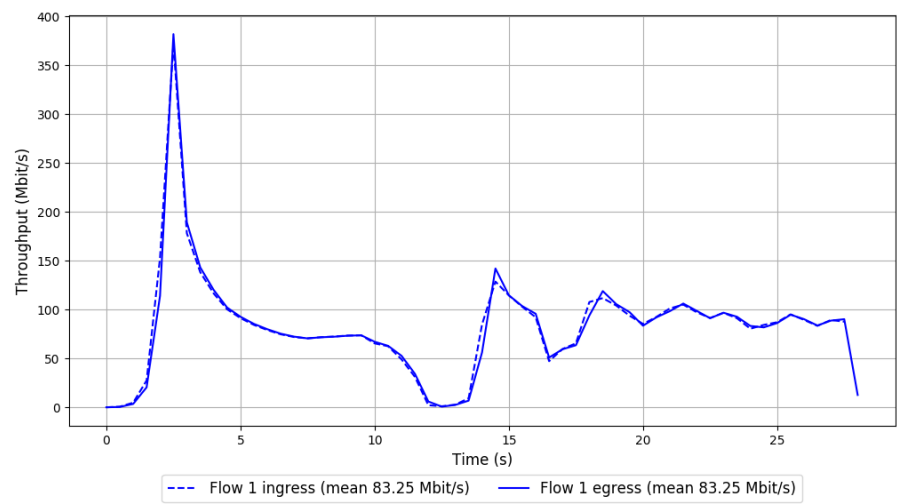
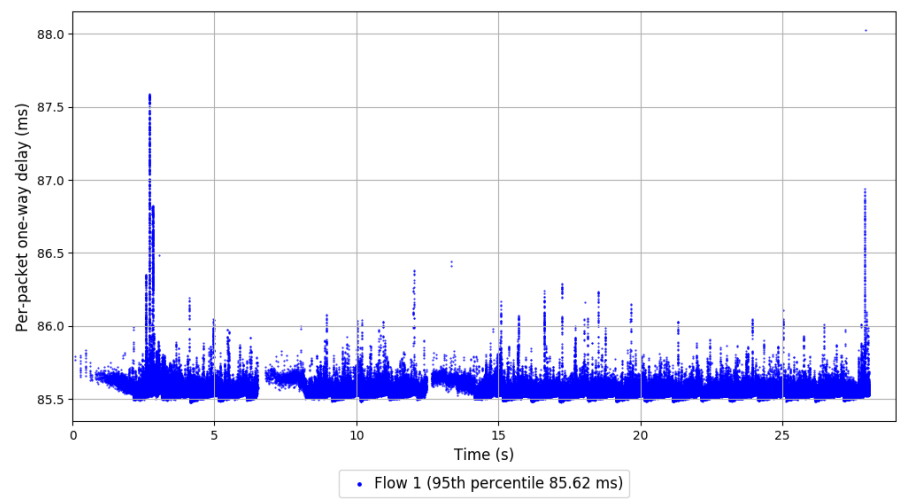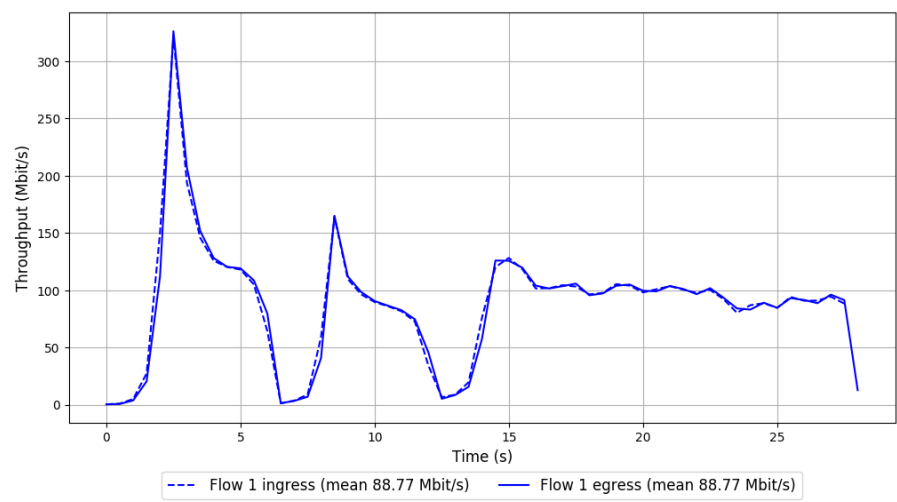Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Copa

Start at: 2017-09-17 12:37:29
End at: 2017-09-17 12:37:59
Local clock offset: -10.002 ms
Remote clock offset: -3.126 ms

# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: 85.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: 85.797 ms
Loss rate: 0.00%
```
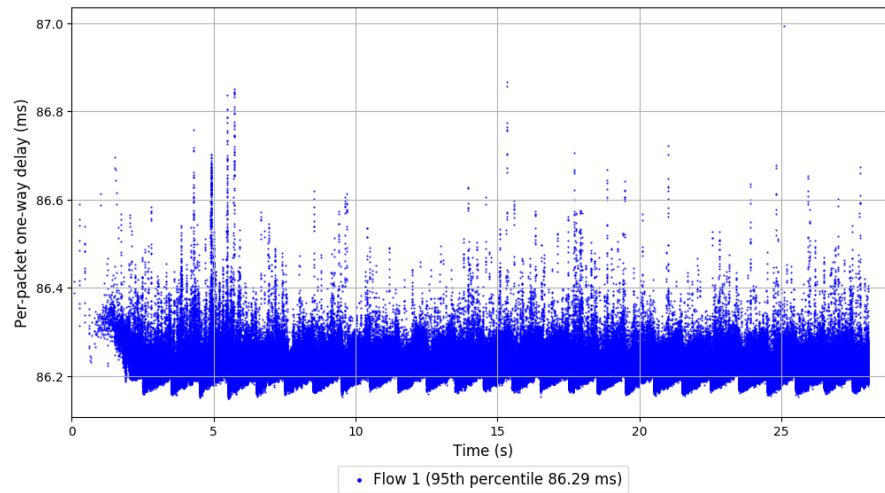
Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2017-09-17 12:57:06
End at: 2017-09-17 12:57:36
Local clock offset: -10.209 ms
Remote clock offset: -3.544 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 85.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 85.622 ms
Loss rate: 0.00%
```

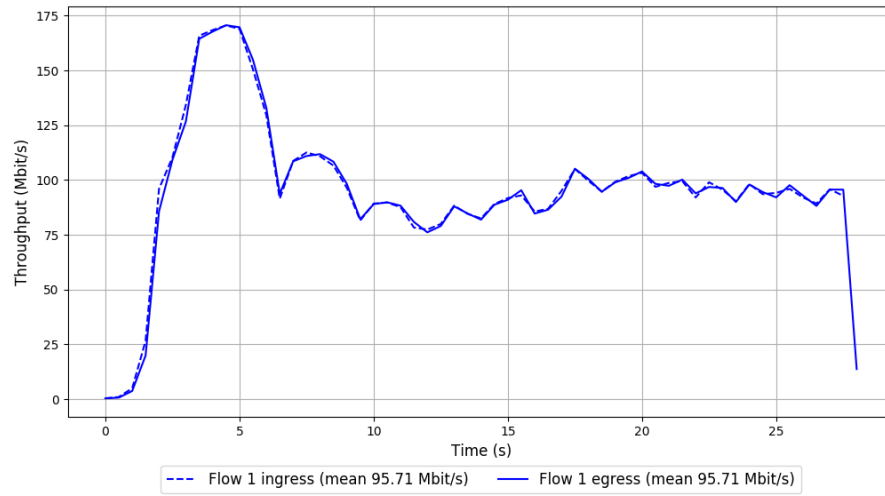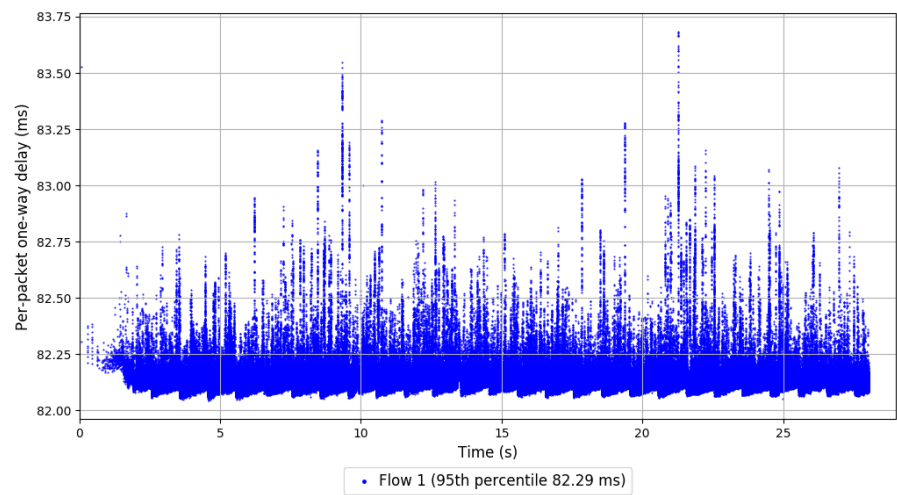Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2017-09-17 13:16:40
End at: 2017-09-17 13:17:10
Local clock offset: -10.096 ms
Remote clock offset: -3.16 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 86.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 86.286 ms
Loss rate: 0.00%
```

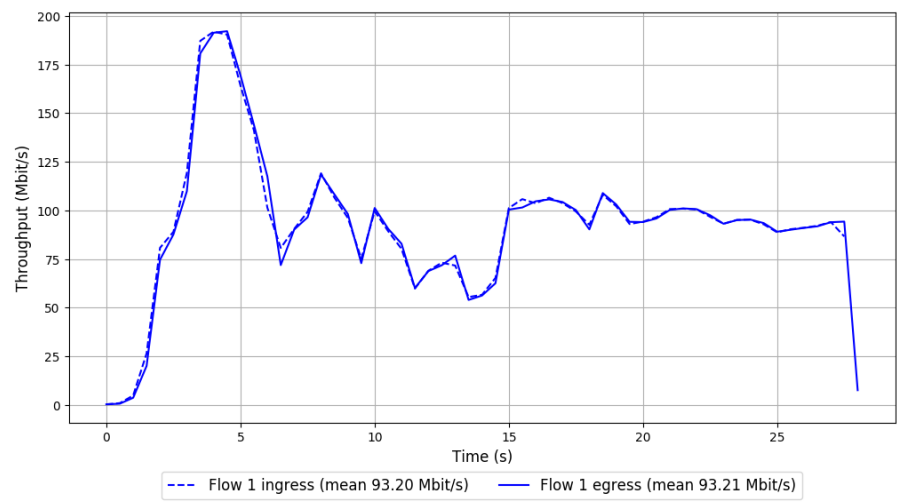Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2017-09-17 13:36:54
End at: 2017-09-17 13:37:24
Local clock offset: -9.947 ms
Remote clock offset: -7.882 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 82.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 82.288 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 93.20 Mbit/s)   Flow 1 egress (mean 93.21 Mbit/s)

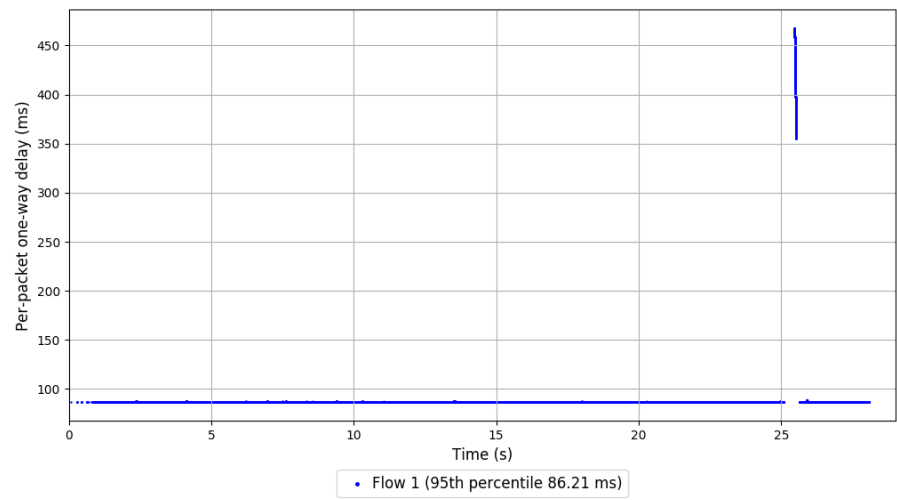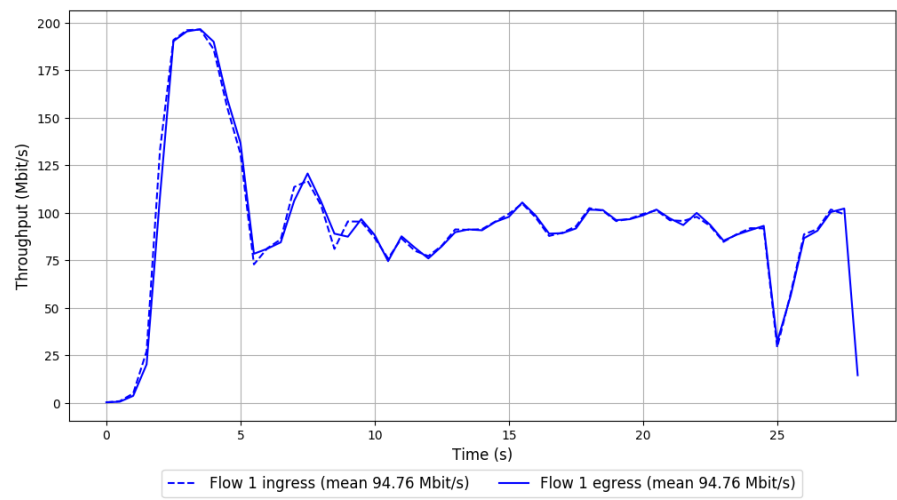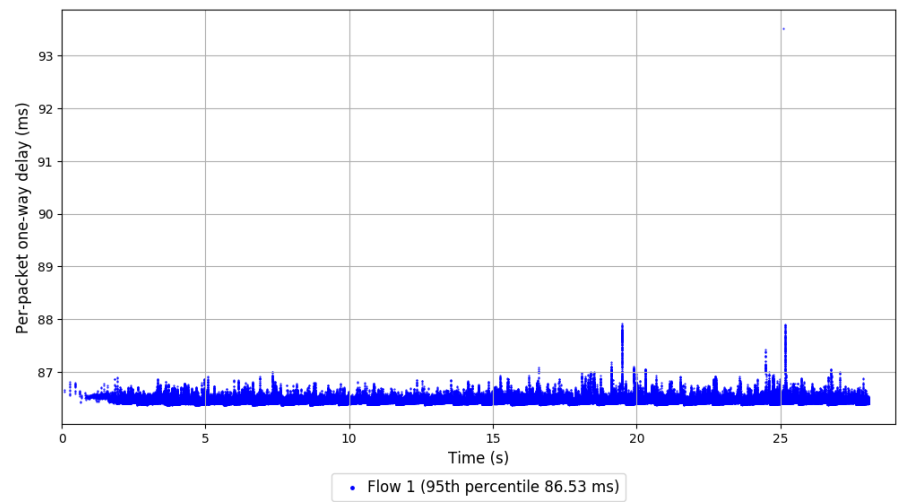Flow 1 (95th percentile 82.29 ms)

```
Run 5: Statistics of Copa

Start at: 2017-09-17 13:57:30
End at: 2017-09-17 13:58:00
Local clock offset: -9.61 ms
Remote clock offset: -3.044 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 86.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 86.211 ms
Loss rate: 0.00%
```

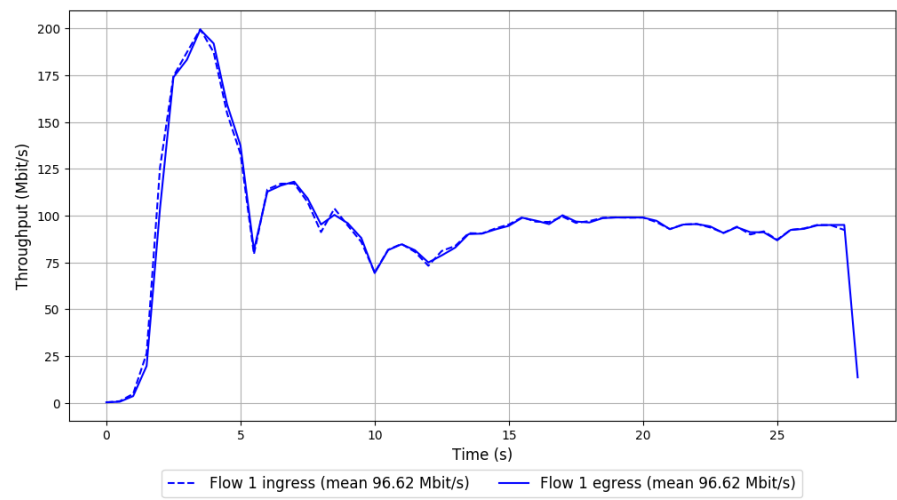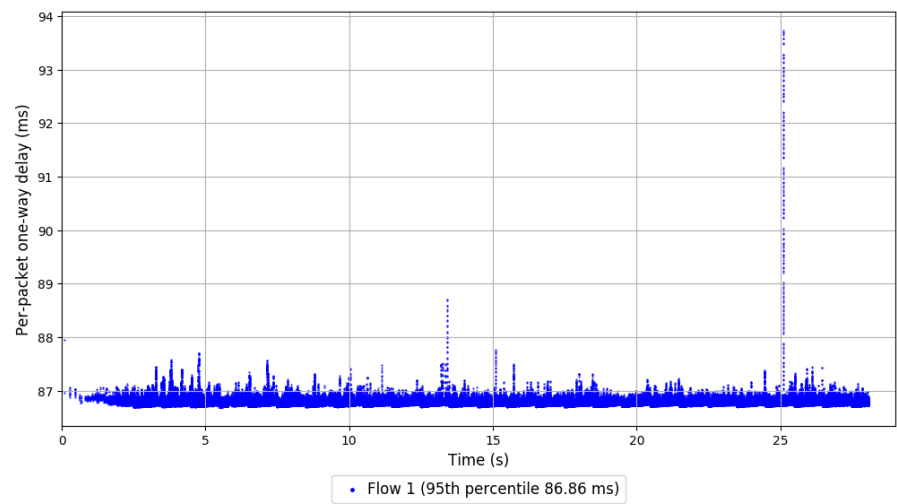Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2017-09-17 14:18:23
End at: 2017-09-17 14:18:53
Local clock offset: -9.423 ms
Remote clock offset: -3.422 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 86.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 86.533 ms
Loss rate: 0.00%
```

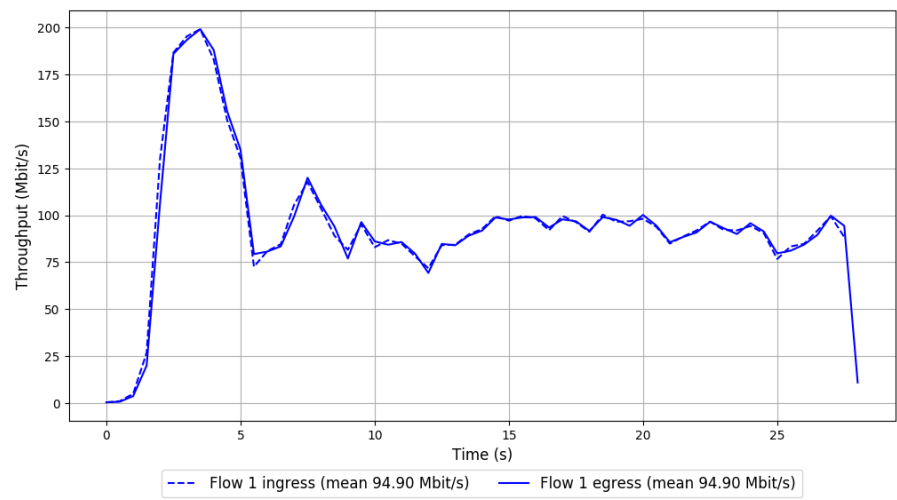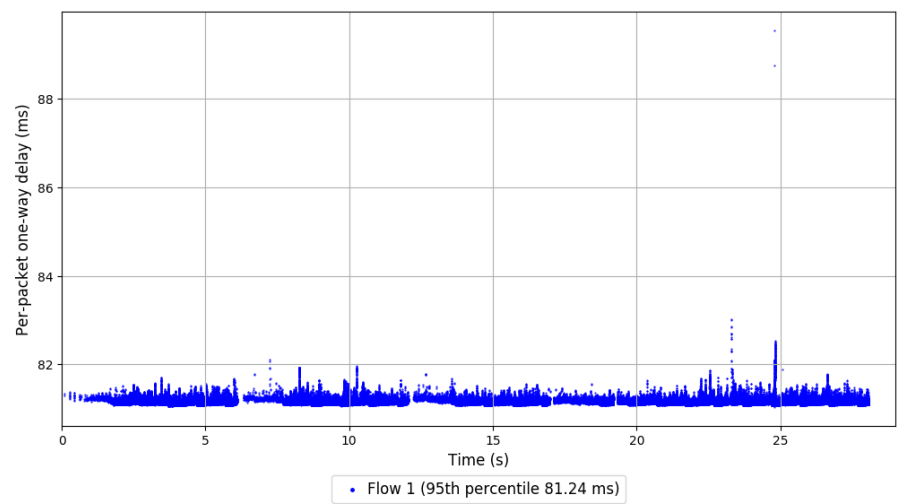Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2017-09-17 14:38:23
End at: 2017-09-17 14:38:53
Local clock offset: -9.233 ms
Remote clock offset: -2.647 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 86.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 86.858 ms
Loss rate: 0.00%
```

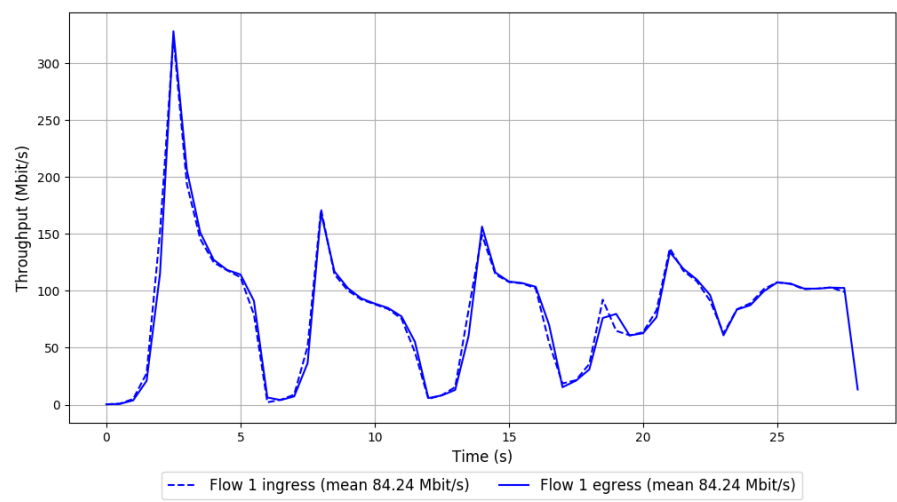Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2017-09-17 14:58:47
End at: 2017-09-17 14:59:17
Local clock offset: -8.983 ms
Remote clock offset: -7.975 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 81.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 81.240 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2017-09-17 15:19:39
End at: 2017-09-17 15:20:09
Local clock offset: -8.781 ms
Remote clock offset: -2.9 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 86.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 86.543 ms
Loss rate: 0.00%
```
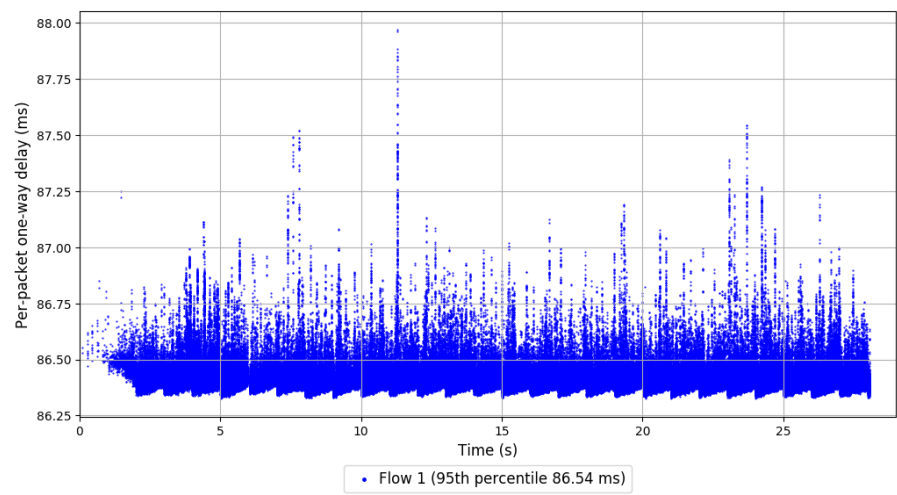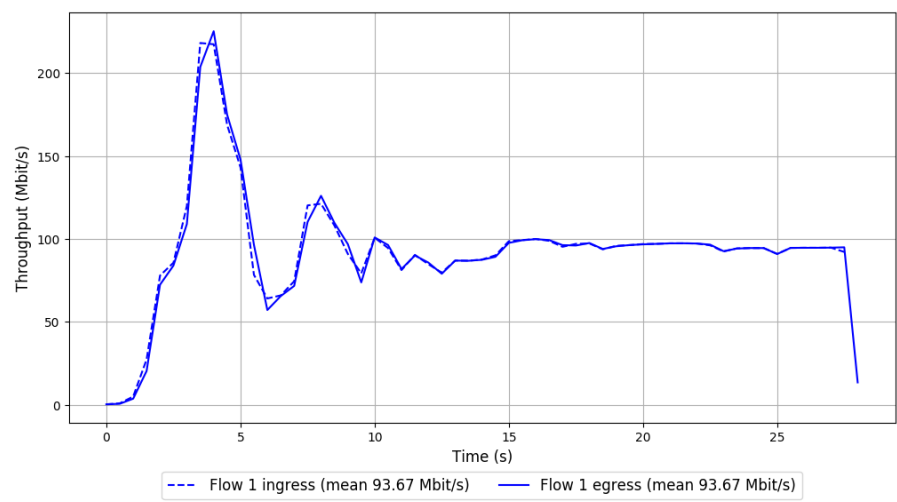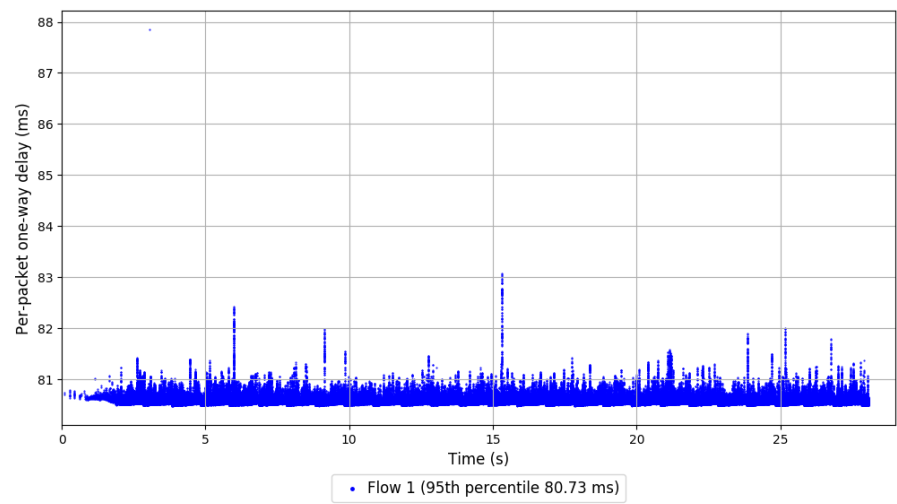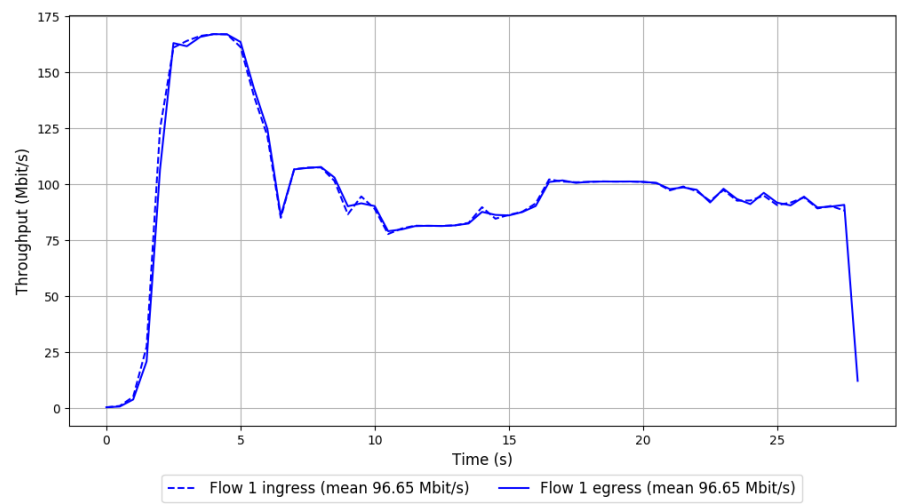
Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2017-09-17 15:40:49
End at: 2017-09-17 15:41:19
Local clock offset: -8.622 ms
Remote clock offset: -7.9 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 80.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 80.729 ms
Loss rate: 0.00%
```

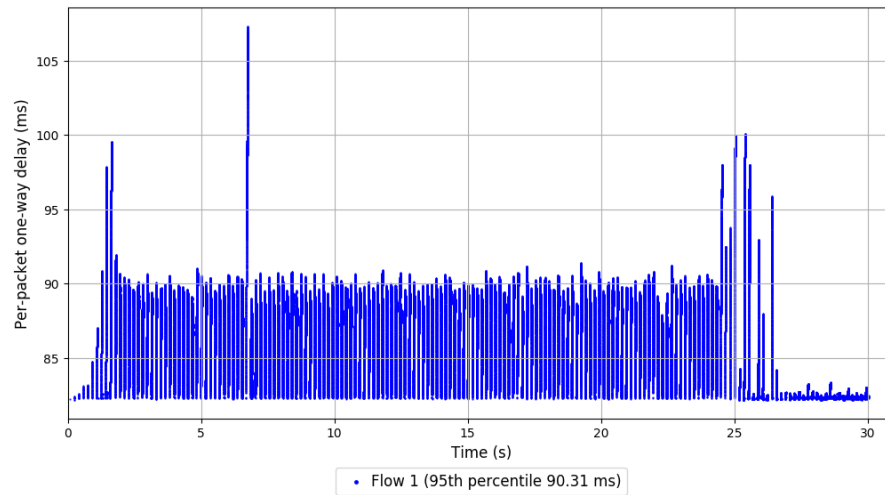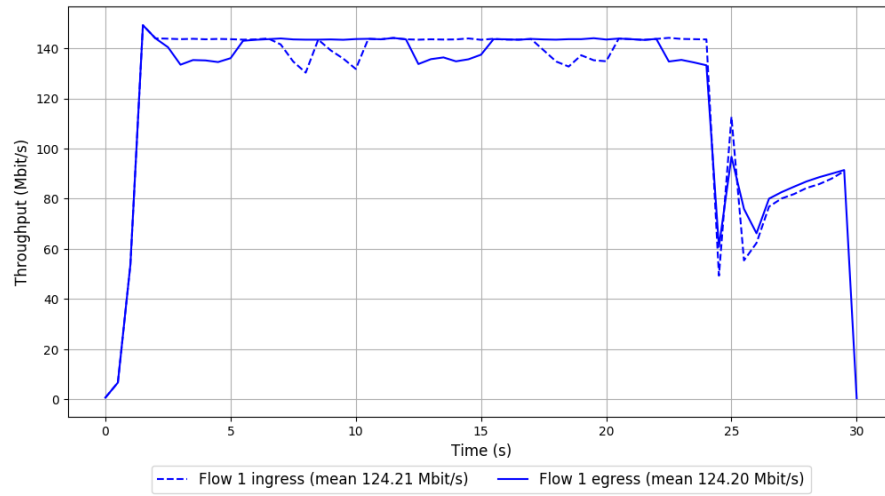Run 10: Report of Copa — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2017-09-17 12:41:14
End at: 2017-09-17 12:41:44
Local clock offset: -10.105 ms
Remote clock offset: -7.749 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.20 Mbit/s
95th percentile per-packet one-way delay: 90.308 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 124.20 Mbit/s
95th percentile per-packet one-way delay: 90.308 ms
Loss rate: 0.01%
```
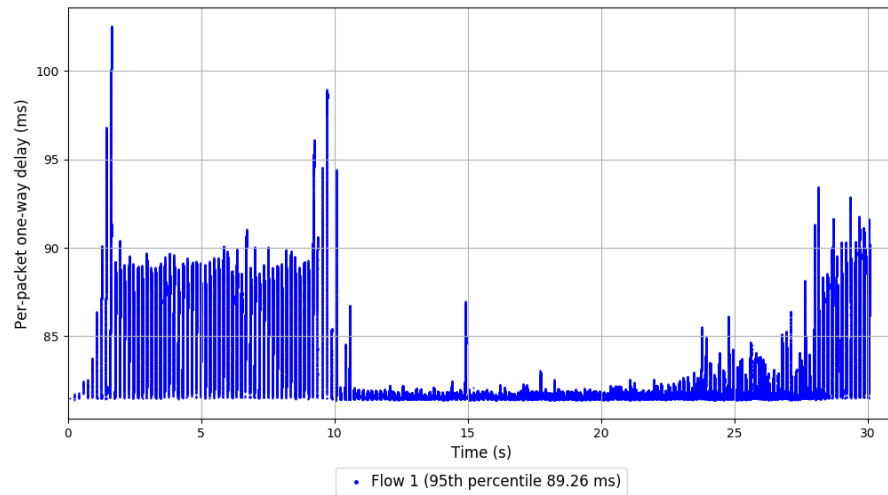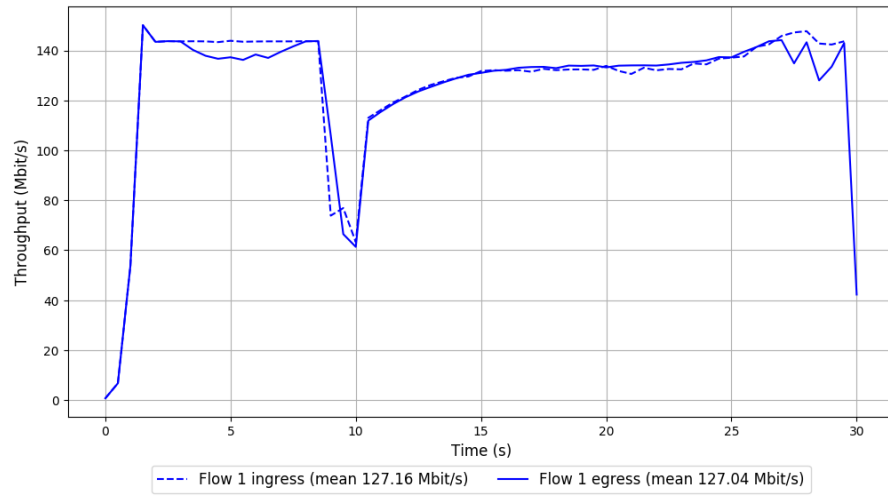
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-09-17 13:00:51
End at: 2017-09-17 13:01:21
Local clock offset: -10.122 ms
Remote clock offset: -8.01 ms


# Below is generated by plot.py at 2017-09-17 16:56:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.04 Mbit/s
95th percentile per-packet one-way delay: 89.261 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 127.04 Mbit/s
95th percentile per-packet one-way delay: 89.261 ms
Loss rate: 0.08%
```
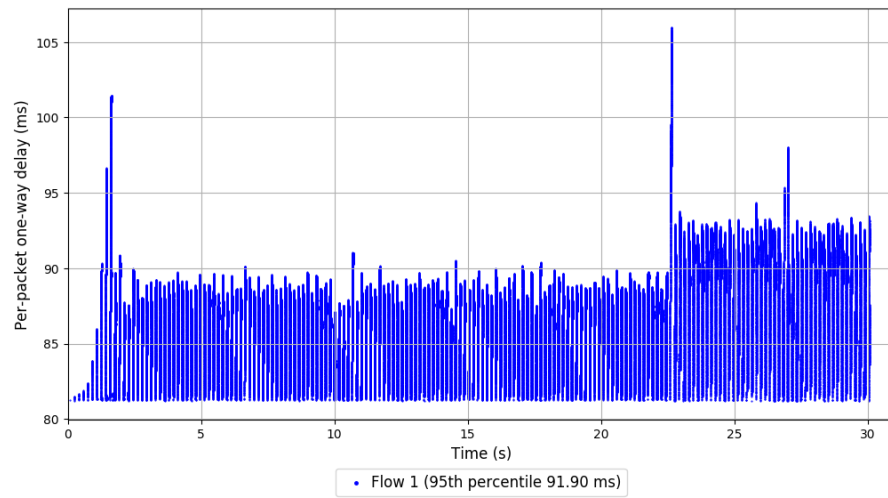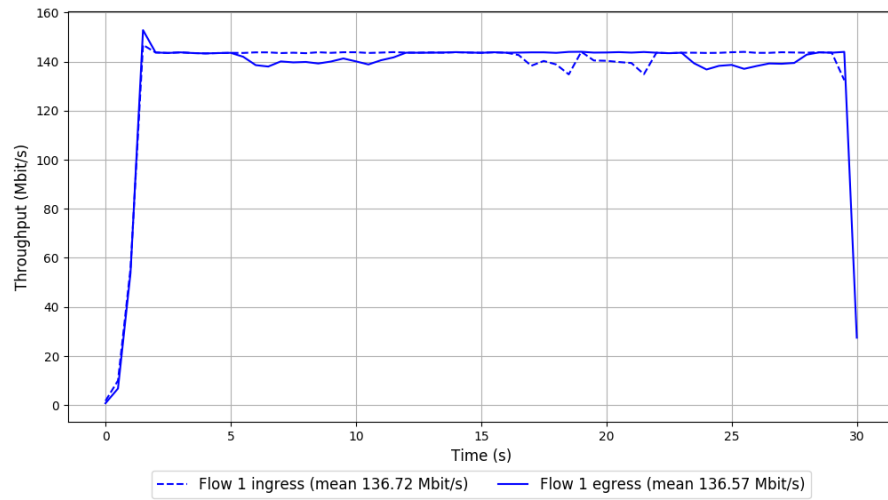
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2017-09-17 13:20:24
End at: 2017-09-17 13:20:54
Local clock offset: -10.131 ms
Remote clock offset: -8.014 ms


# Below is generated by plot.py at 2017-09-17 16:56:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.57 Mbit/s
95th percentile per-packet one-way delay: 91.897 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 136.57 Mbit/s
95th percentile per-packet one-way delay: 91.897 ms
Loss rate: 0.11%
```
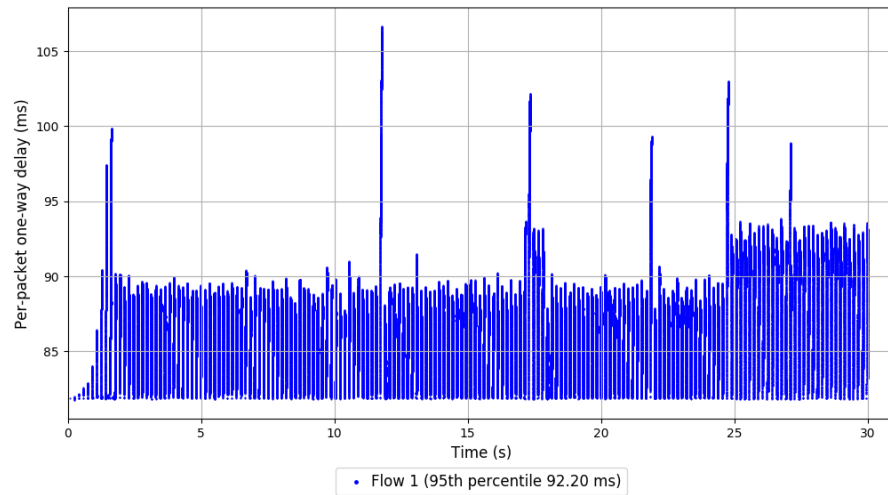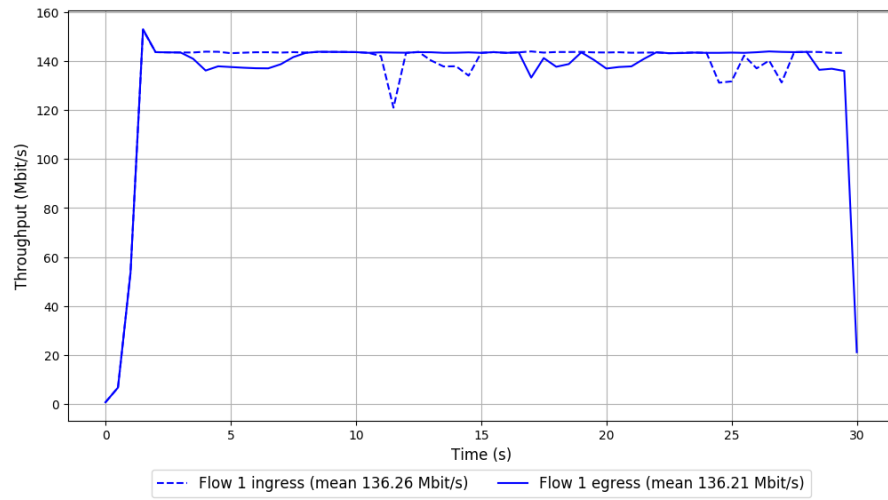
Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2017-09-17 13:40:42
End at: 2017-09-17 13:41:12
Local clock offset: -9.789 ms
Remote clock offset: -8.085 ms


# Below is generated by plot.py at 2017-09-17 16:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.21 Mbit/s
95th percentile per-packet one-way delay: 92.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.21 Mbit/s
95th percentile per-packet one-way delay: 92.204 ms
Loss rate: 0.00%
```
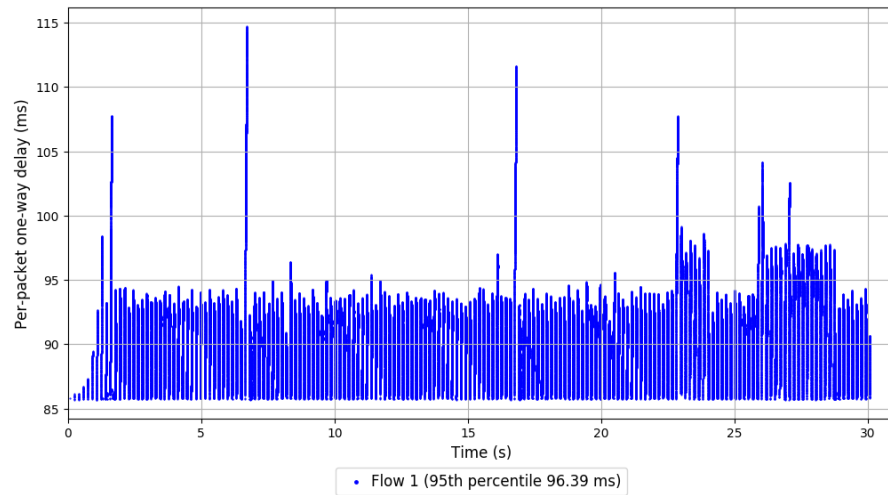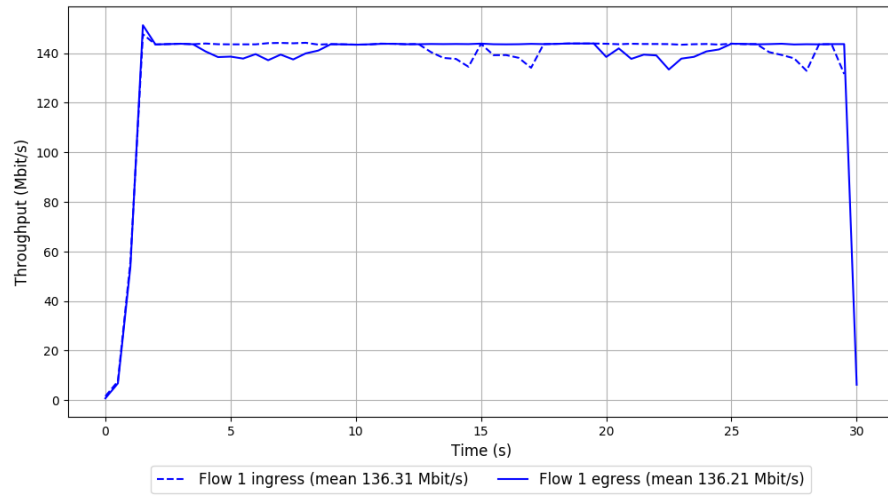
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2017-09-17 14:01:16
End at: 2017-09-17 14:01:46
Local clock offset: -9.567 ms
Remote clock offset: -3.211 ms


# Below is generated by plot.py at 2017-09-17 16:56:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.21 Mbit/s
95th percentile per-packet one-way delay: 96.389 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 136.21 Mbit/s
95th percentile per-packet one-way delay: 96.389 ms
Loss rate: 0.07%
```

Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 136.31 Mbit/s) ---- Flow 1 egress (mean 136.21 Mbit/s) ——
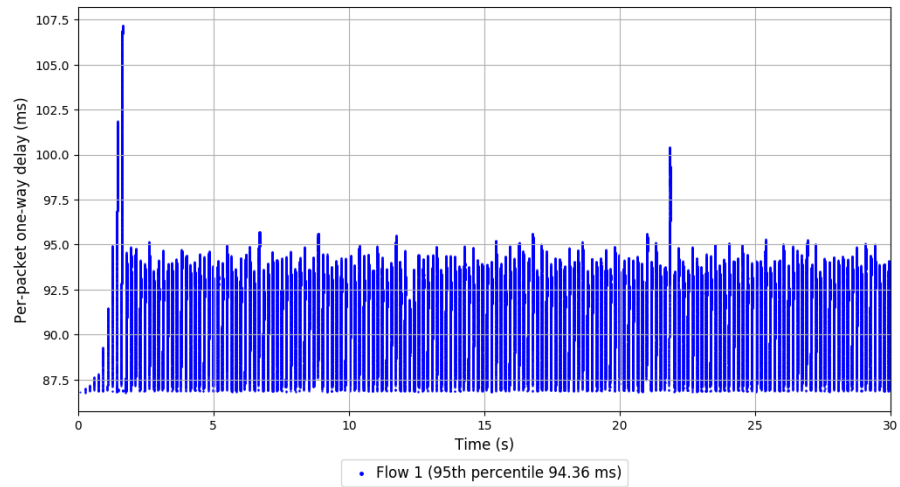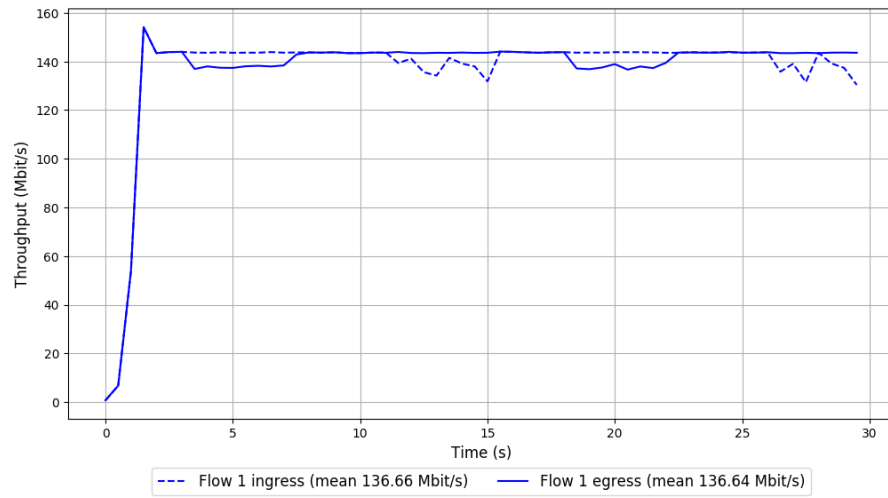

• Flow 1 (95th percentile 96.39 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2017-09-17 14:22:09
End at: 2017-09-17 14:22:39
Local clock offset: -9.385 ms
Remote clock offset: -2.572 ms


# Below is generated by plot.py at 2017-09-17 16:56:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.64 Mbit/s
95th percentile per-packet one-way delay: 94.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.64 Mbit/s
95th percentile per-packet one-way delay: 94.365 ms
Loss rate: 0.00%
```
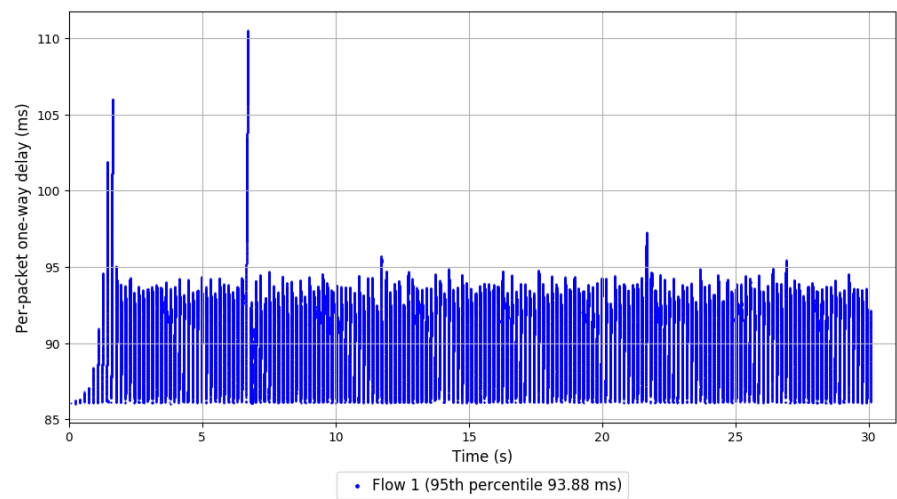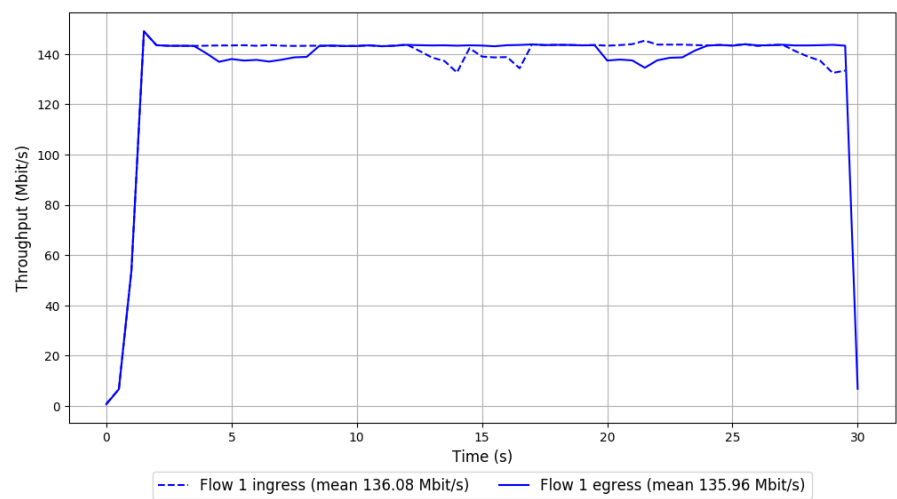
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: 2017-09-17 14:42:13
End at: 2017-09-17 14:42:43
Local clock offset: -9.219 ms
Remote clock offset: -3.147 ms


# Below is generated by plot.py at 2017-09-17 16:57:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.96 Mbit/s
95th percentile per-packet one-way delay: 93.883 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 135.96 Mbit/s
95th percentile per-packet one-way delay: 93.883 ms
Loss rate: 0.09%
```

Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 136.08 Mbit/s)   Flow 1 egress (mean 135.96 Mbit/s)
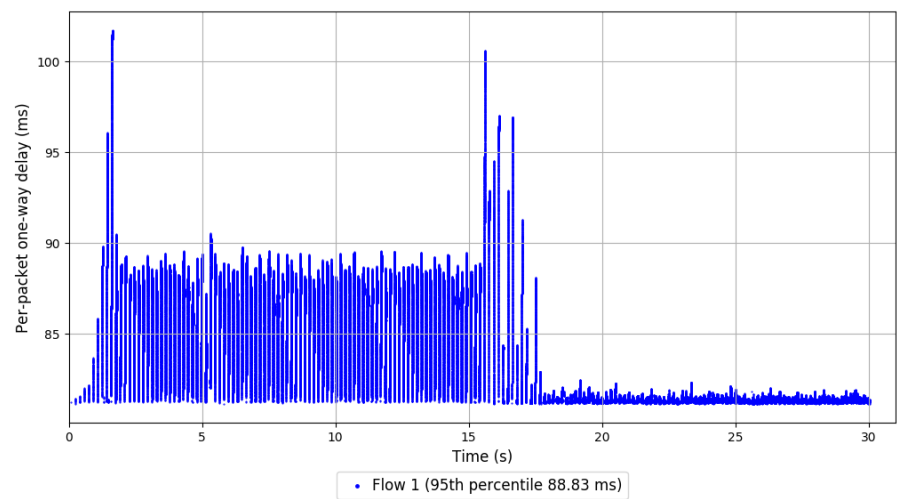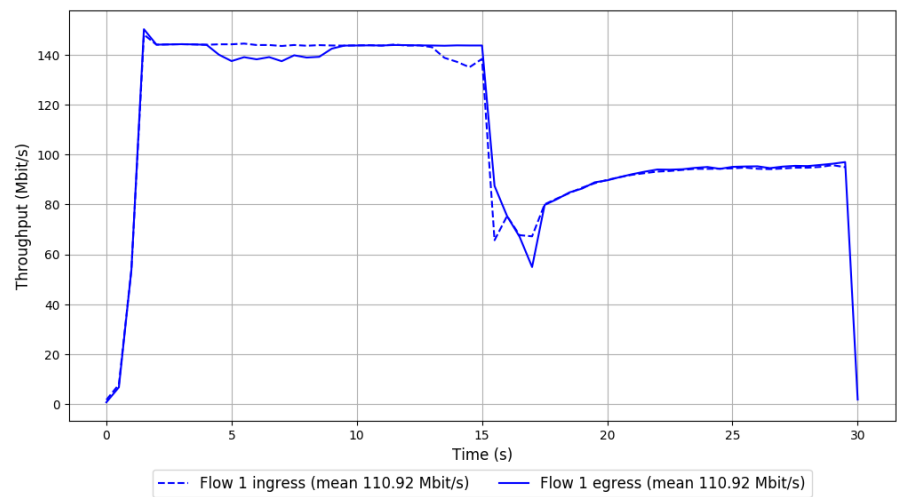

Flow 1 (95th percentile 93.88 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-09-17 15:02:39
End at: 2017-09-17 15:03:09
Local clock offset: -8.909 ms
Remote clock offset: -7.888 ms


# Below is generated by plot.py at 2017-09-17 16:57:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.92 Mbit/s
95th percentile per-packet one-way delay: 88.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.92 Mbit/s
95th percentile per-packet one-way delay: 88.825 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2017-09-17 15:23:34
End at: 2017-09-17 15:24:05
Local clock offset: -8.742 ms
Remote clock offset: -2.99 ms


# Below is generated by plot.py at 2017-09-17 16:57:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.44 Mbit/s
95th percentile per-packet one-way delay: 94.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.44 Mbit/s
95th percentile per-packet one-way delay: 94.177 ms
Loss rate: 0.00%
```
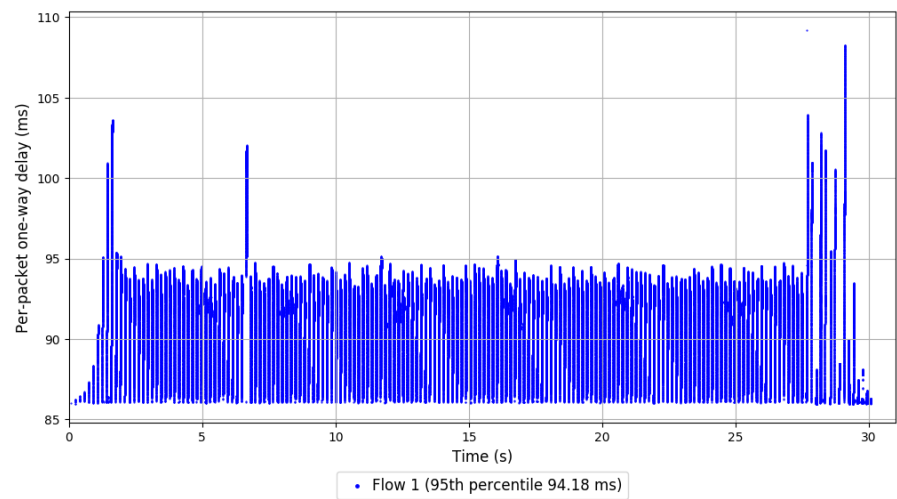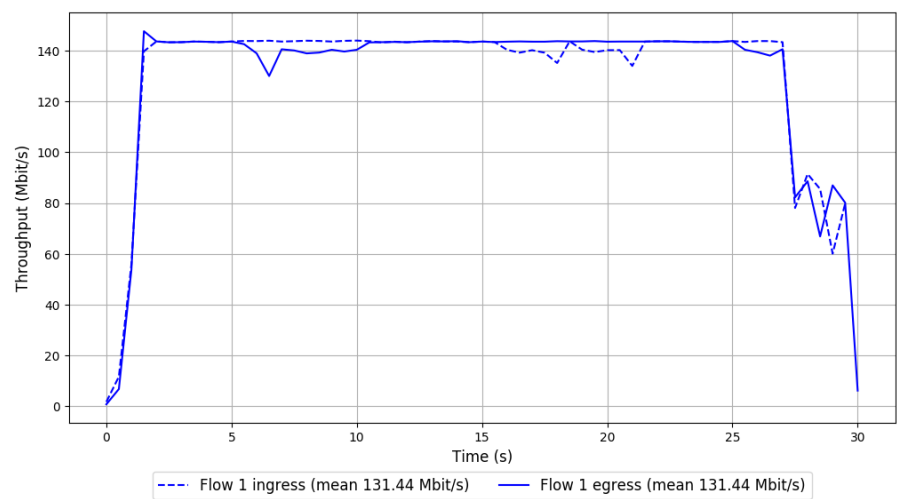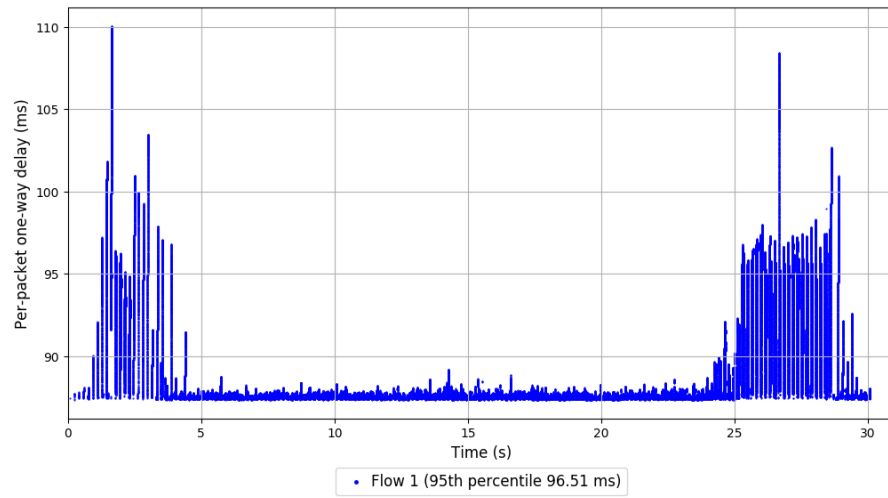
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 131.44 Mbit/s)   Flow 1 egress (mean 131.44 Mbit/s)

Flow 1 (95th percentile 94.18 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2017-09-17 15:44:36
End at: 2017-09-17 15:45:06
Local clock offset: -8.67 ms
Remote clock offset: -2.15 ms


# Below is generated by plot.py at 2017-09-17 16:57:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.06 Mbit/s
95th percentile per-packet one-way delay: 96.511 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 99.06 Mbit/s
95th percentile per-packet one-way delay: 96.511 ms
Loss rate: 0.02%
```
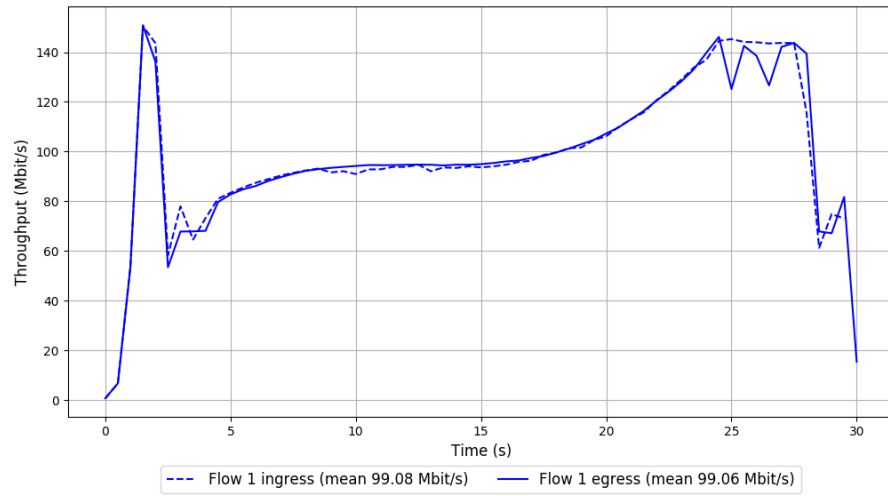
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 99.08 Mbit/s) —— Flow 1 egress (mean 99.06 Mbit/s)
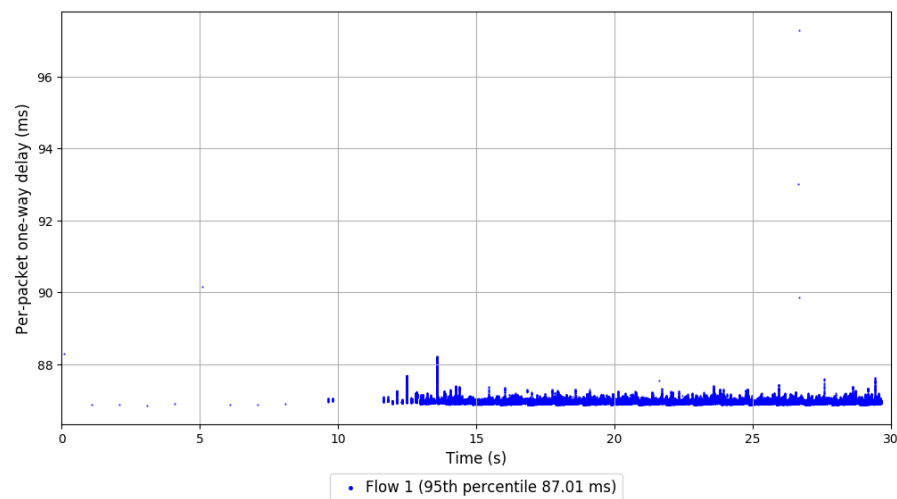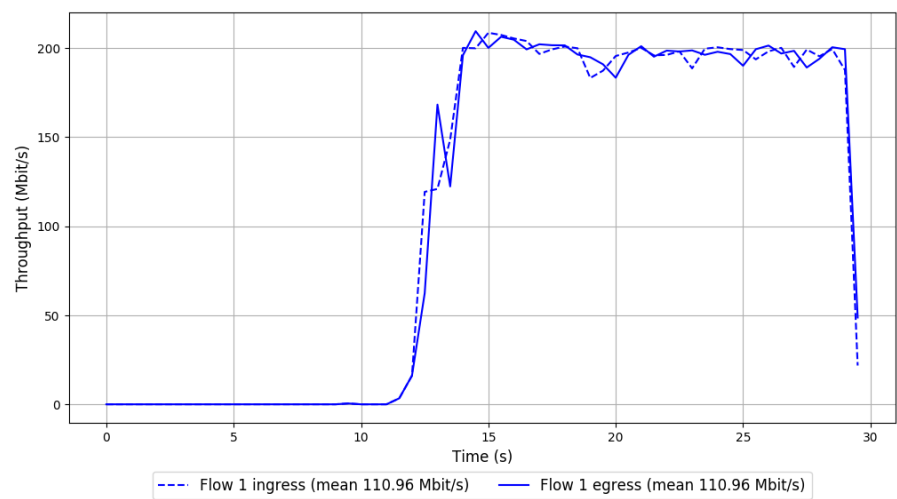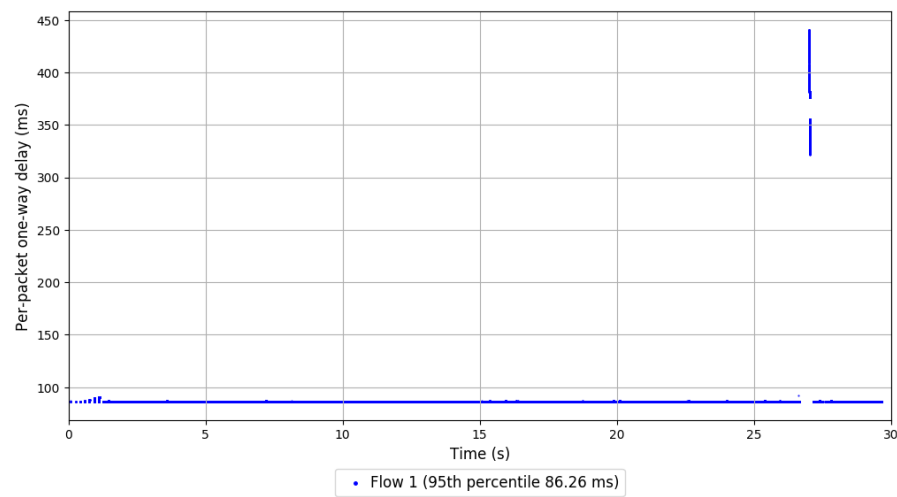

• Flow 1 (95th percentile 96.51 ms)

```
Run 1: Statistics of Indigo

Start at: 2017-09-17 12:33:26
End at: 2017-09-17 12:33:56
Local clock offset: -10.139 ms
Remote clock offset: -3.183 ms


# Below is generated by plot.py at 2017-09-17 16:57:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.96 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 110.96 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 0.01%
```
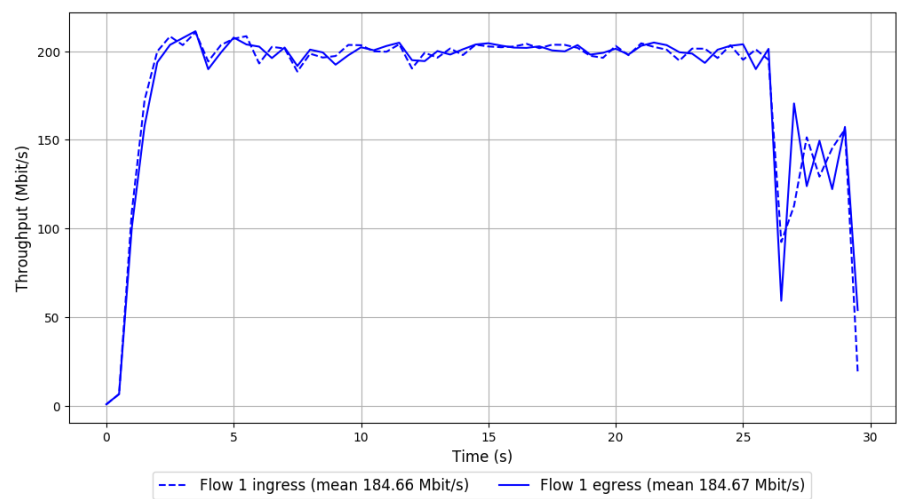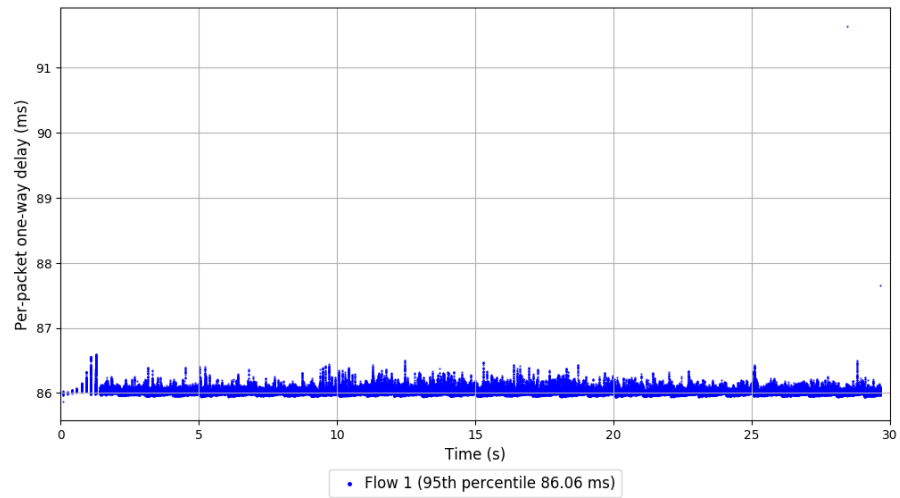
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2017-09-17 12:52:47
End at: 2017-09-17 12:53:17
Local clock offset: -10.157 ms
Remote clock offset: -3.081 ms


# Below is generated by plot.py at 2017-09-17 16:58:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.67 Mbit/s
95th percentile per-packet one-way delay: 86.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.67 Mbit/s
95th percentile per-packet one-way delay: 86.264 ms
Loss rate: 0.00%
```
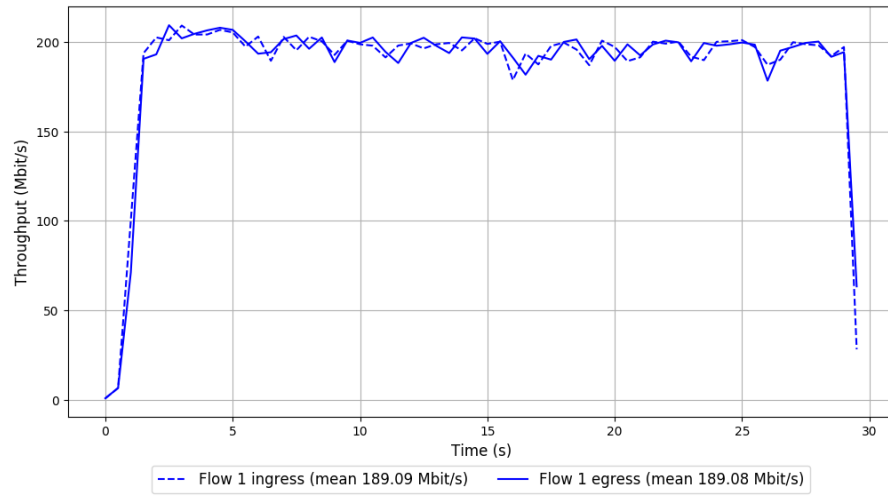
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2017-09-17 13:12:31
End at: 2017-09-17 13:13:01
Local clock offset: -10.136 ms
Remote clock offset: -3.283 ms


# Below is generated by plot.py at 2017-09-17 16:59:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.08 Mbit/s
95th percentile per-packet one-way delay: 86.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.08 Mbit/s
95th percentile per-packet one-way delay: 86.063 ms
Loss rate: 0.00%
```
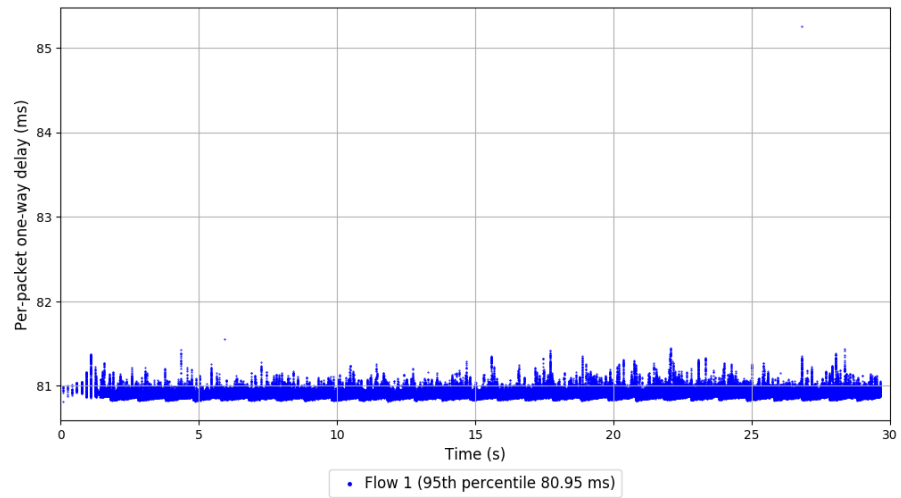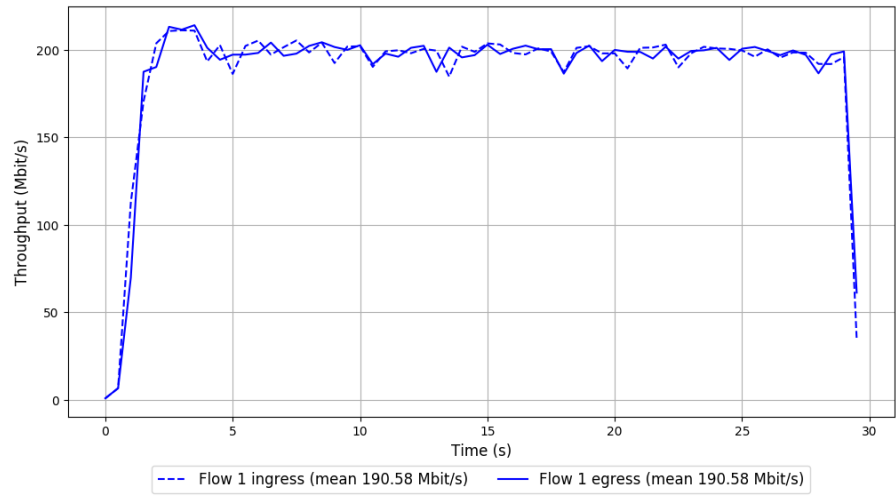
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-09-17 13:32:27
End at: 2017-09-17 13:32:57
Local clock offset: -9.907 ms
Remote clock offset: -8.331 ms


# Below is generated by plot.py at 2017-09-17 16:59:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.58 Mbit/s
95th percentile per-packet one-way delay: 80.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.58 Mbit/s
95th percentile per-packet one-way delay: 80.951 ms
Loss rate: 0.00%
```
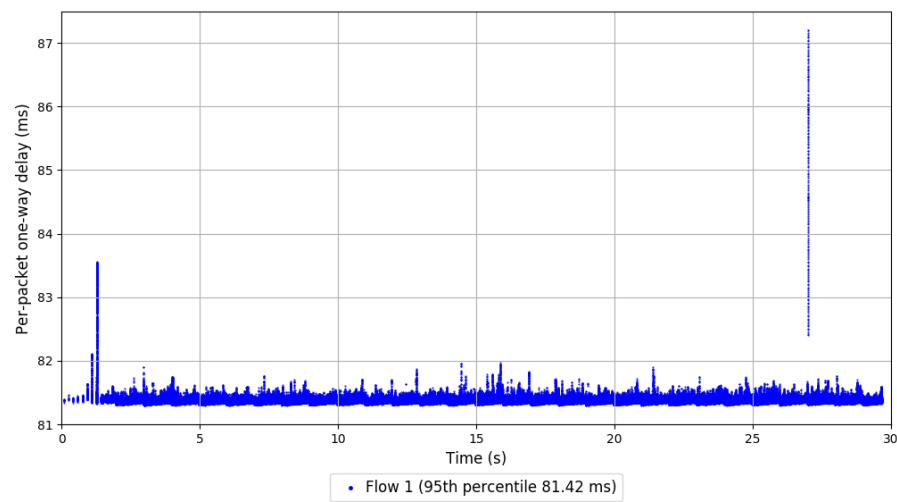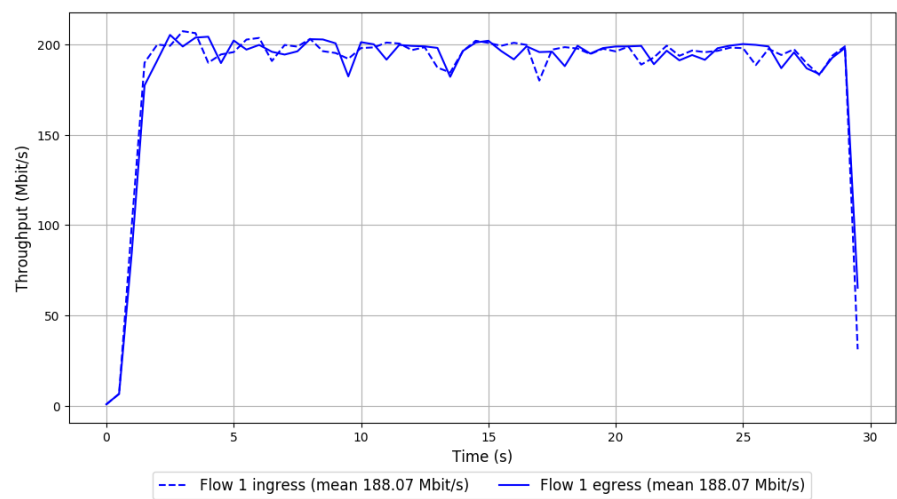
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2017-09-17 13:52:48
End at: 2017-09-17 13:53:18
Local clock offset: -9.765 ms
Remote clock offset: -7.929 ms


# Below is generated by plot.py at 2017-09-17 16:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.07 Mbit/s
95th percentile per-packet one-way delay: 81.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.07 Mbit/s
95th percentile per-packet one-way delay: 81.421 ms
Loss rate: 0.00%
```
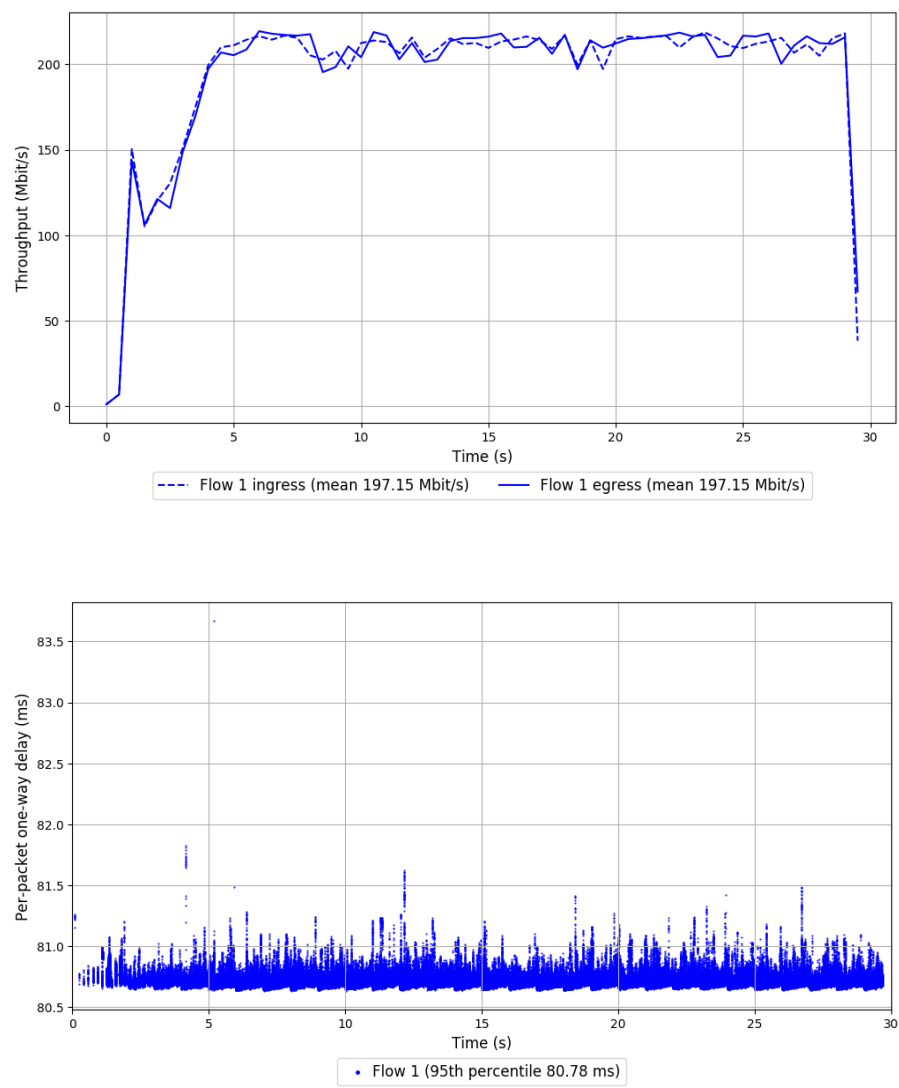
Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-09-17 14:13:41
End at: 2017-09-17 14:14:12
Local clock offset: -9.469 ms
Remote clock offset: -8.412 ms


# Below is generated by plot.py at 2017-09-17 17:00:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.15 Mbit/s
95th percentile per-packet one-way delay: 80.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.15 Mbit/s
95th percentile per-packet one-way delay: 80.783 ms
Loss rate: 0.00%
```
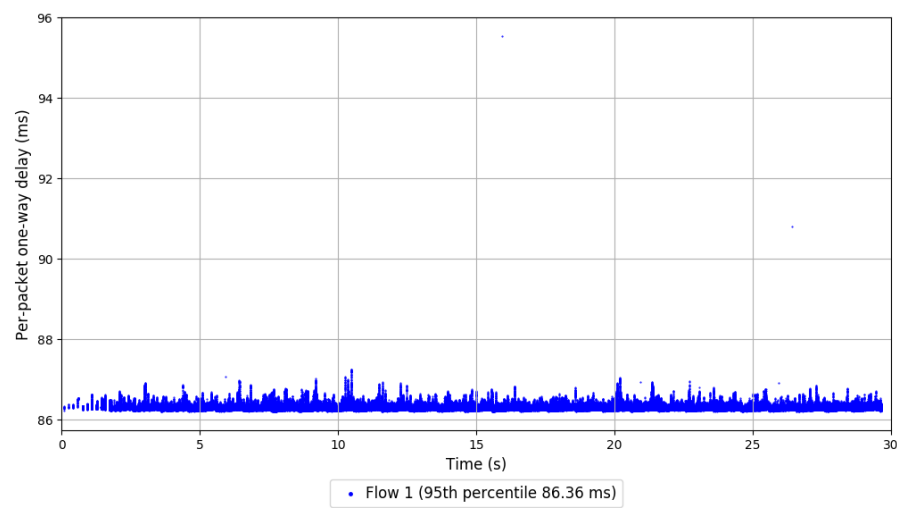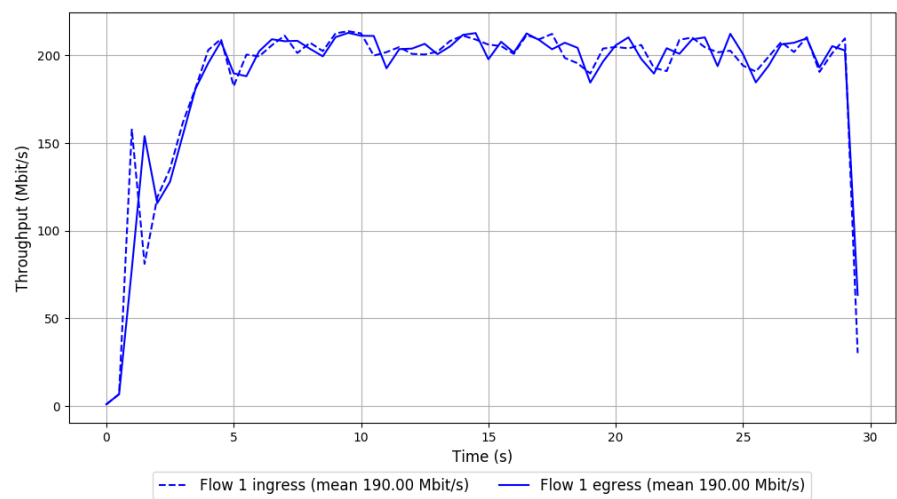
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-09-17 14:34:07
End at: 2017-09-17 14:34:37
Local clock offset: -9.288 ms
Remote clock offset: -3.045 ms


# Below is generated by plot.py at 2017-09-17 17:00:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.00 Mbit/s
95th percentile per-packet one-way delay: 86.363 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.00 Mbit/s
95th percentile per-packet one-way delay: 86.363 ms
Loss rate: 0.00%
```
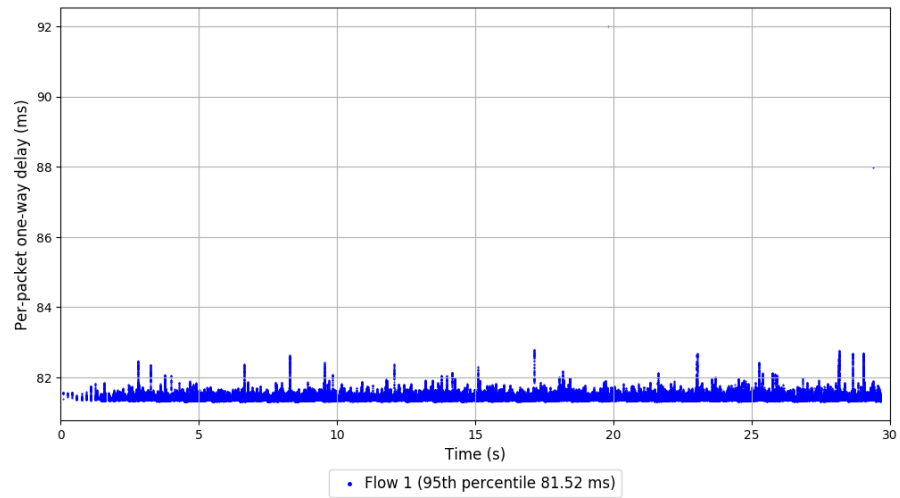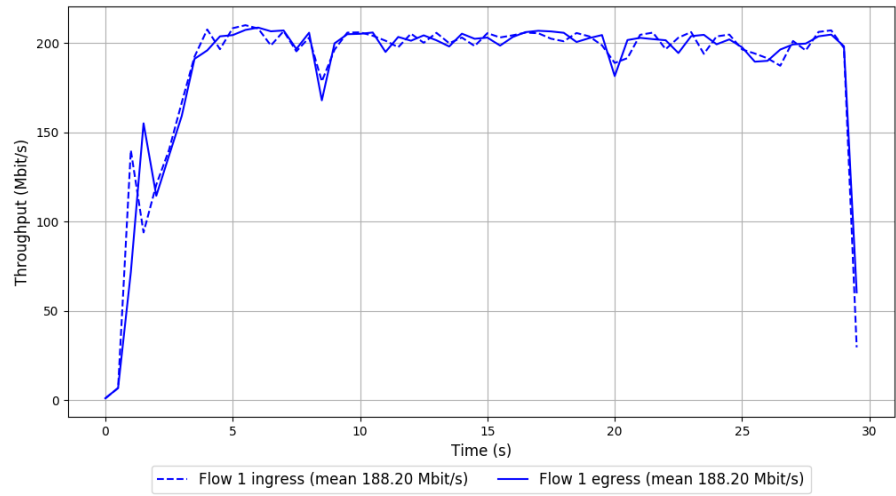
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-09-17 14:54:28
End at: 2017-09-17 14:54:58
Local clock offset: -8.985 ms
Remote clock offset: -7.932 ms


# Below is generated by plot.py at 2017-09-17 17:00:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.20 Mbit/s
95th percentile per-packet one-way delay: 81.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.20 Mbit/s
95th percentile per-packet one-way delay: 81.518 ms
Loss rate: 0.00%
```
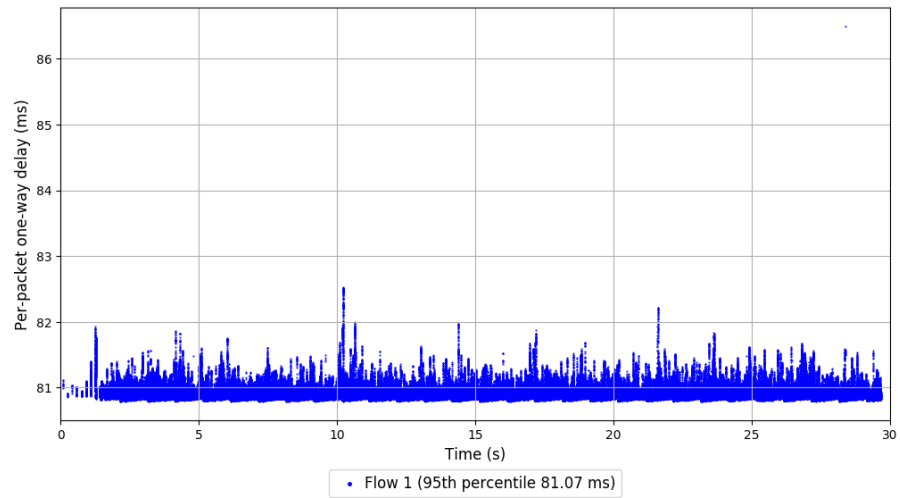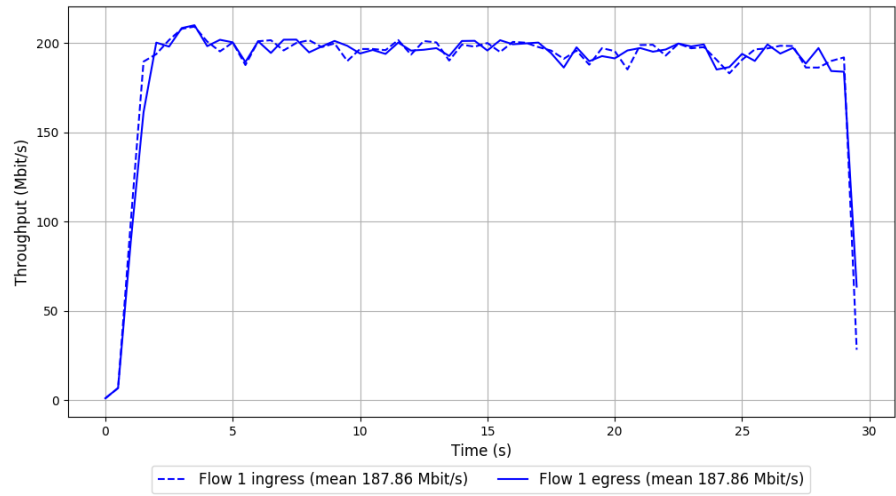
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2017-09-17 15:15:16
End at: 2017-09-17 15:15:46
Local clock offset: -8.793 ms
Remote clock offset: -8.313 ms


# Below is generated by plot.py at 2017-09-17 17:00:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.86 Mbit/s
95th percentile per-packet one-way delay: 81.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.86 Mbit/s
95th percentile per-packet one-way delay: 81.072 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2017-09-17 15:36:34
End at: 2017-09-17 15:37:04
Local clock offset: -8.642 ms
Remote clock offset: -7.686 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.20 Mbit/s
95th percentile per-packet one-way delay: 81.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.20 Mbit/s
95th percentile per-packet one-way delay: 81.612 ms
Loss rate: 0.00%
```
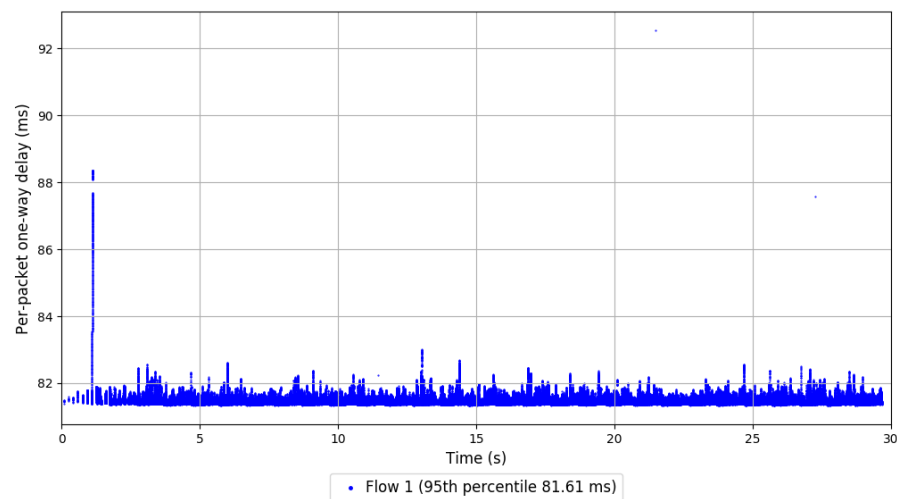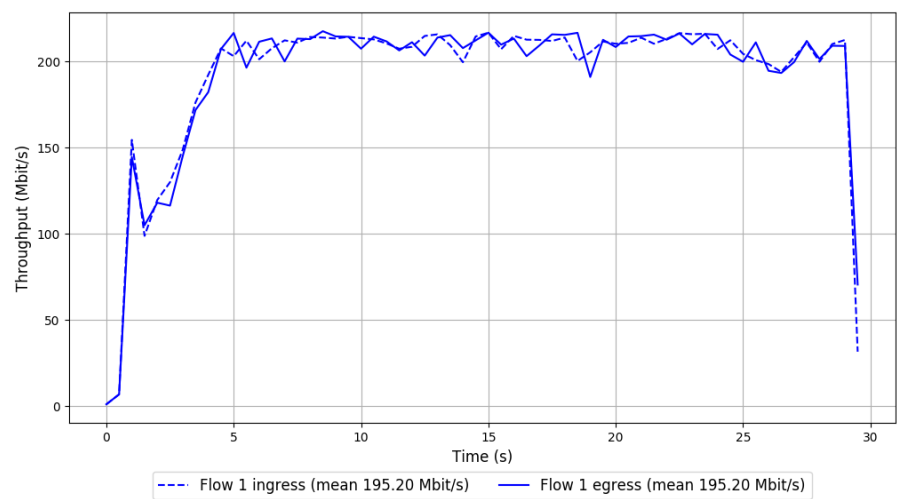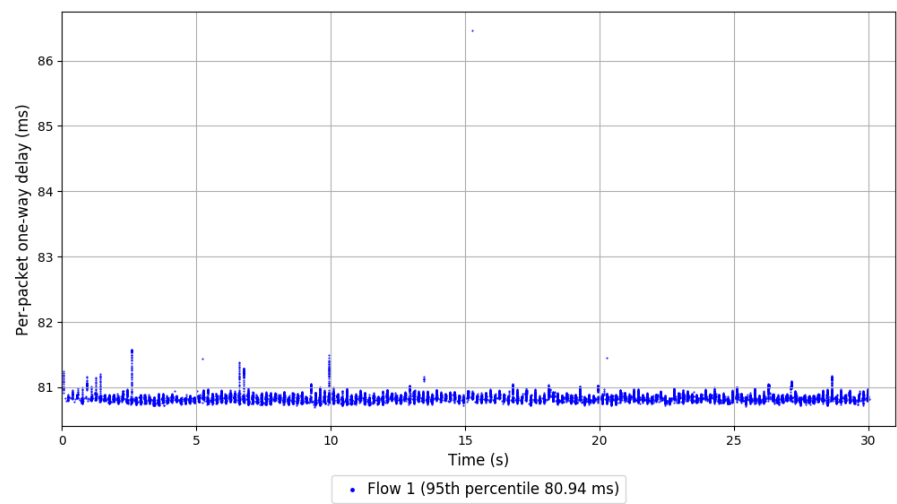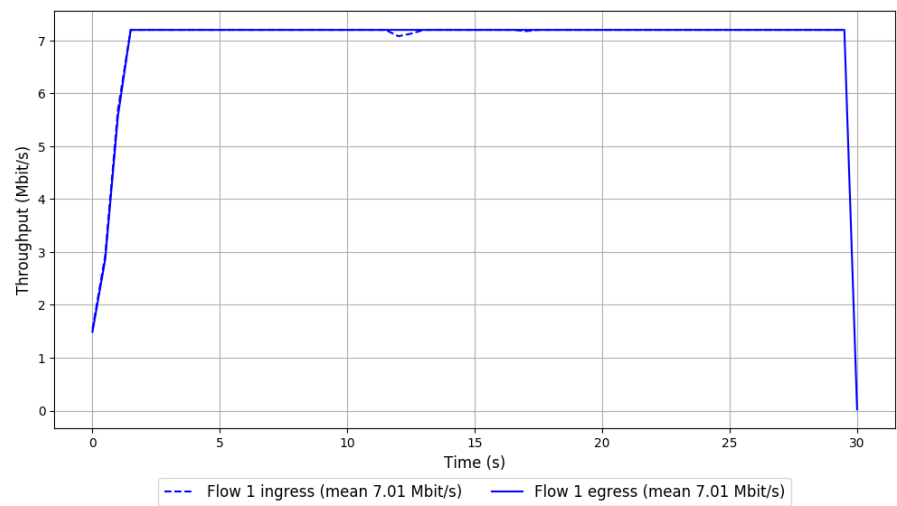
Run 10: Report of Indigo — Data Link

```
Run 1: Statistics of KohoCC

Start at: 2017-09-17 12:43:48
End at: 2017-09-17 12:44:18
Local clock offset: -10.19 ms
Remote clock offset: -8.505 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 80.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 80.943 ms
Loss rate: 0.00%
```

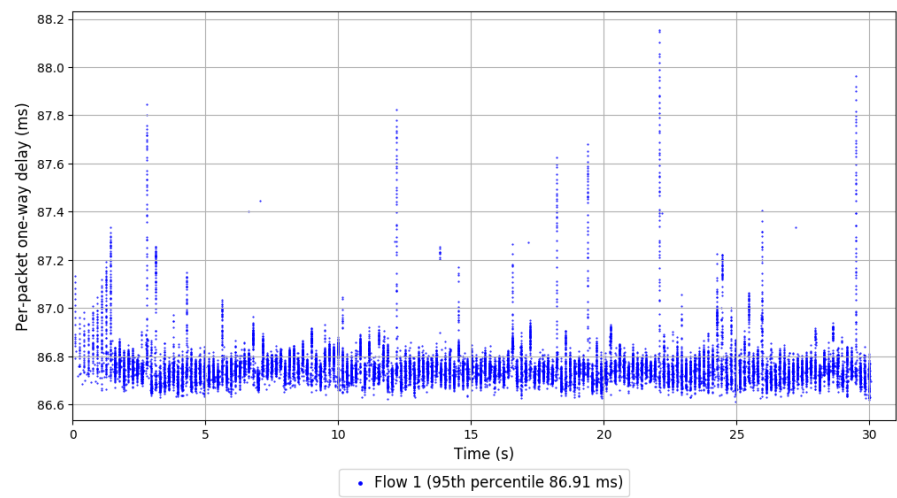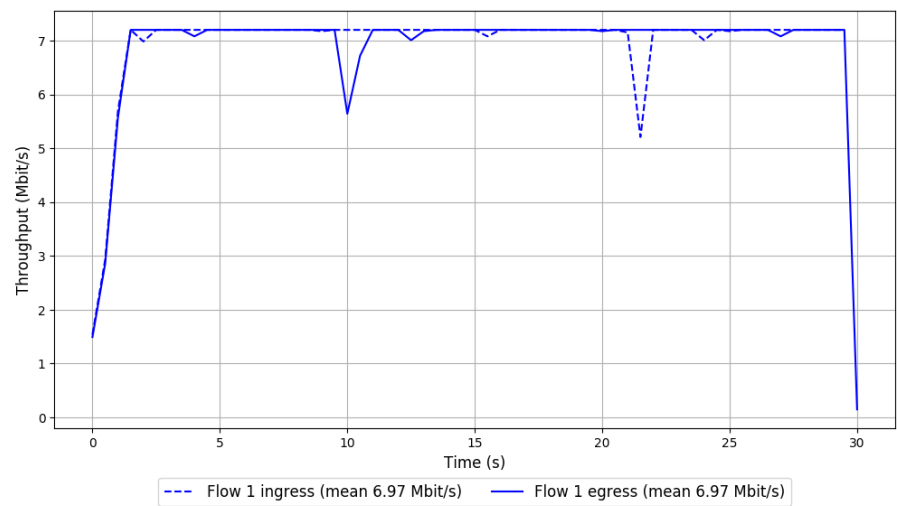Run 1: Report of KohoCC — Data Link

```
Run 2: Statistics of KohoCC

Start at: 2017-09-17 13:03:28
End at: 2017-09-17 13:03:58
Local clock offset: -10.102 ms
Remote clock offset: -3.29 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 86.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 86.907 ms
Loss rate: 0.00%
```

Run 2: Report of KohoCC — Data Link

Flow 1 ingress (mean 6.97 Mbit/s)   Flow 1 egress (mean 6.97 Mbit/s)

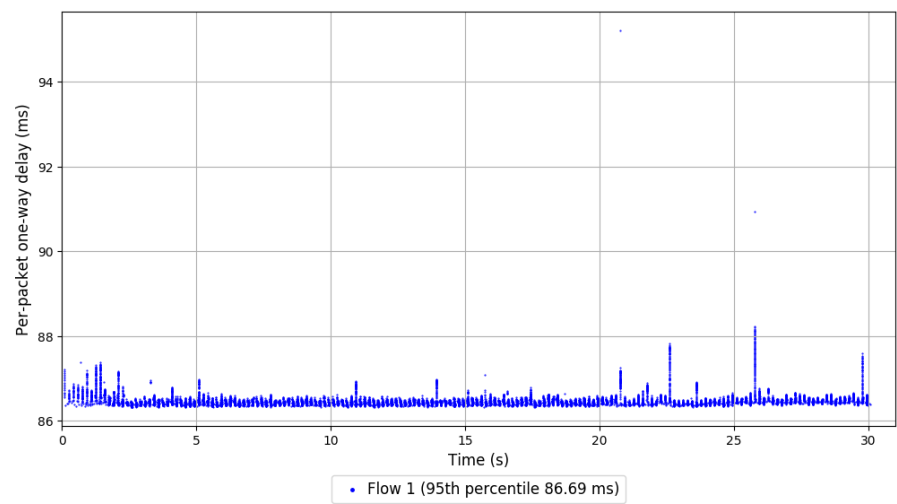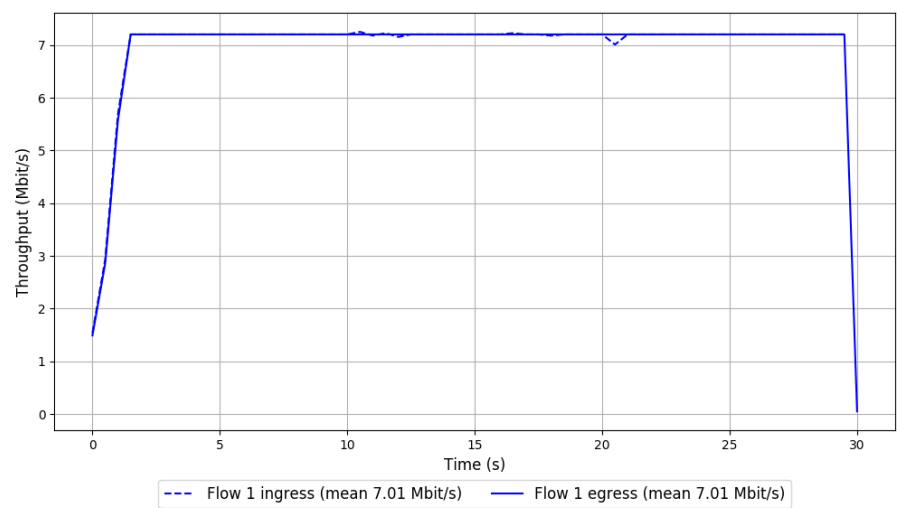Flow 1 (95th percentile 86.91 ms)

```
Run 3: Statistics of KohoCC

Start at: 2017-09-17 13:22:59
End at: 2017-09-17 13:23:29
Local clock offset: -10.067 ms
Remote clock offset: -3.019 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 0.00%
```

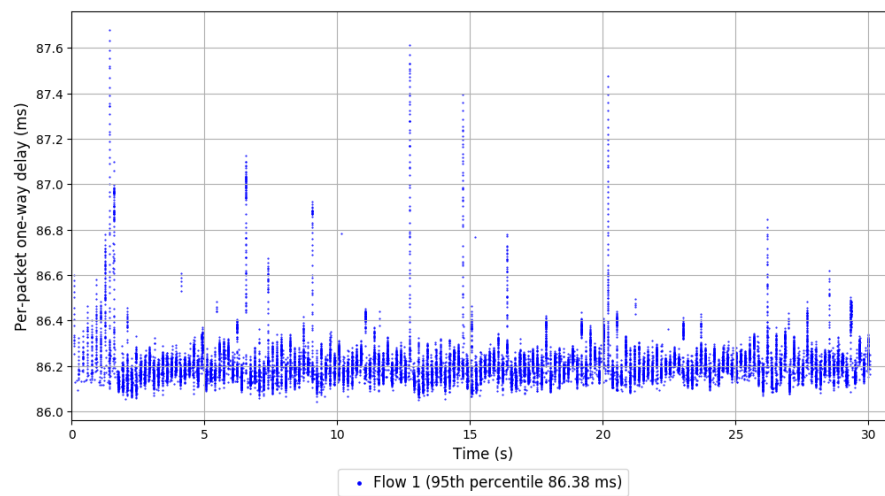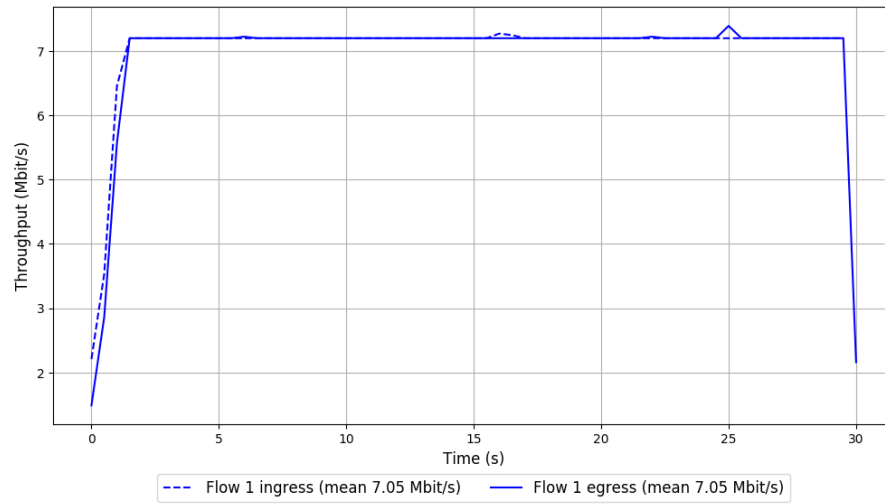Run 3: Report of KohoCC — Data Link

```
Run 4: Statistics of KohoCC

Start at: 2017-09-17 13:43:21
End at: 2017-09-17 13:43:51
Local clock offset: -9.76 ms
Remote clock offset: -2.783 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 86.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 86.380 ms
Loss rate: 0.00%
```

Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 7.05 Mbit/s)   Flow 1 egress (mean 7.05 Mbit/s)

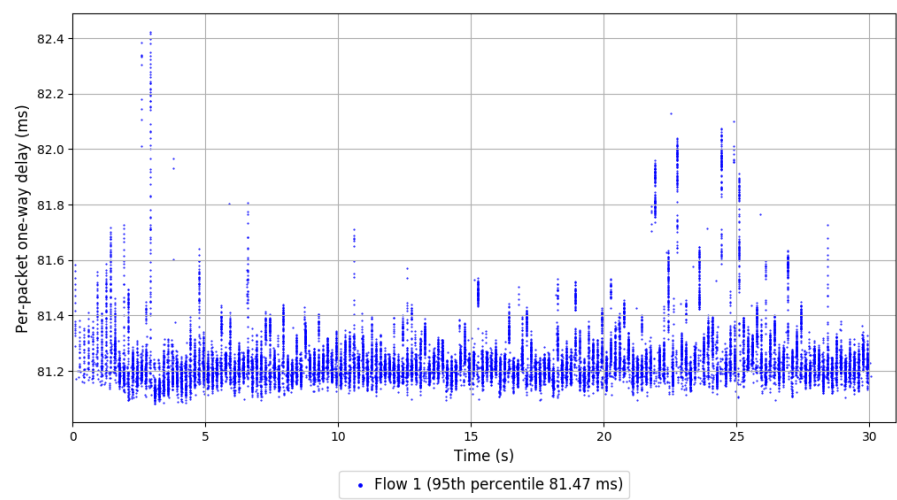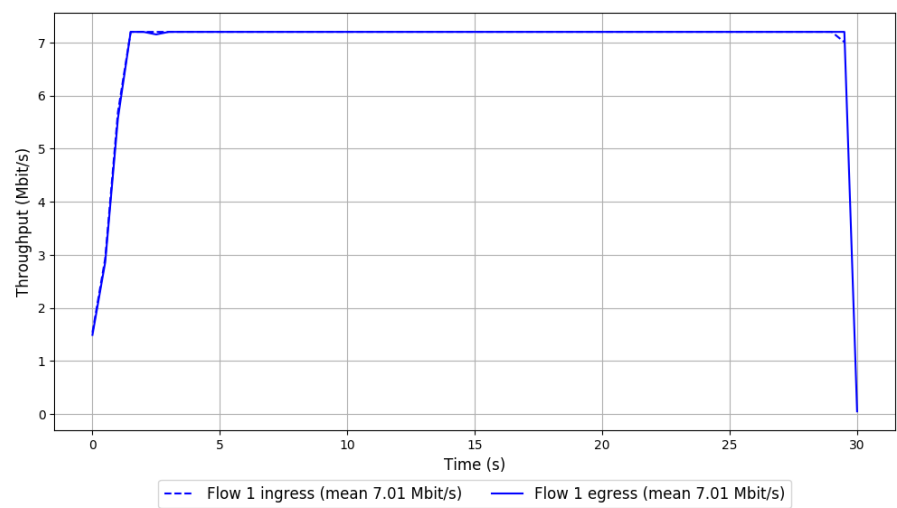Flow 1 (95th percentile 86.38 ms)

```
Run 5: Statistics of KohoCC

Start at: 2017-09-17 14:03:51
End at: 2017-09-17 14:04:21
Local clock offset: -9.523 ms
Remote clock offset: -8.046 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 81.471 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 81.471 ms
Loss rate: 0.01%
```

Run 5: Report of KohoCC — Data Link

Flow 1 ingress (mean 7.01 Mbit/s) —— Flow 1 egress (mean 7.01 Mbit/s)

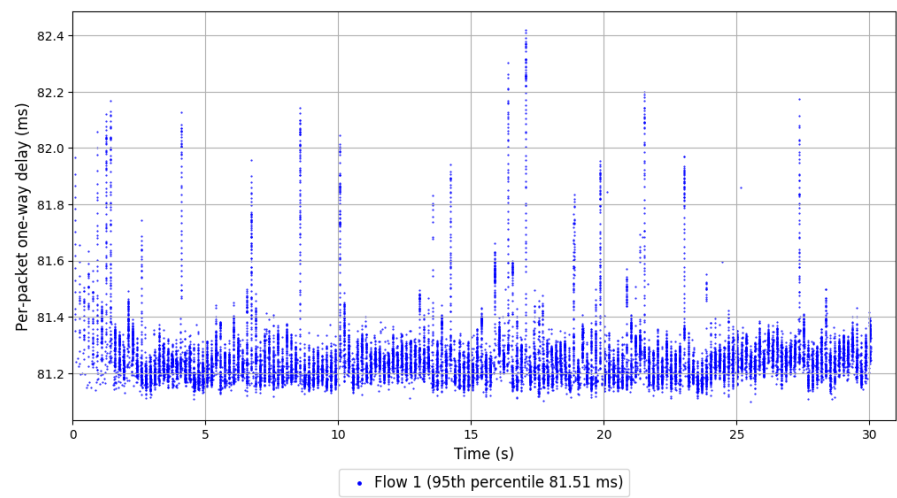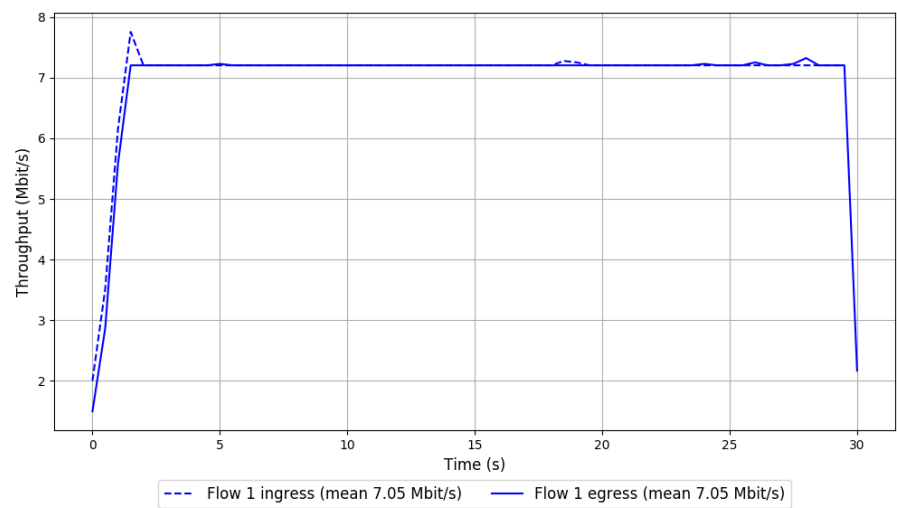• Flow 1 (95th percentile 81.47 ms)

```
Run 6: Statistics of KohoCC

Start at: 2017-09-17 14:24:45
End at: 2017-09-17 14:25:16
Local clock offset: -9.367 ms
Remote clock offset: -8.035 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 81.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 81.506 ms
Loss rate: 0.00%
```

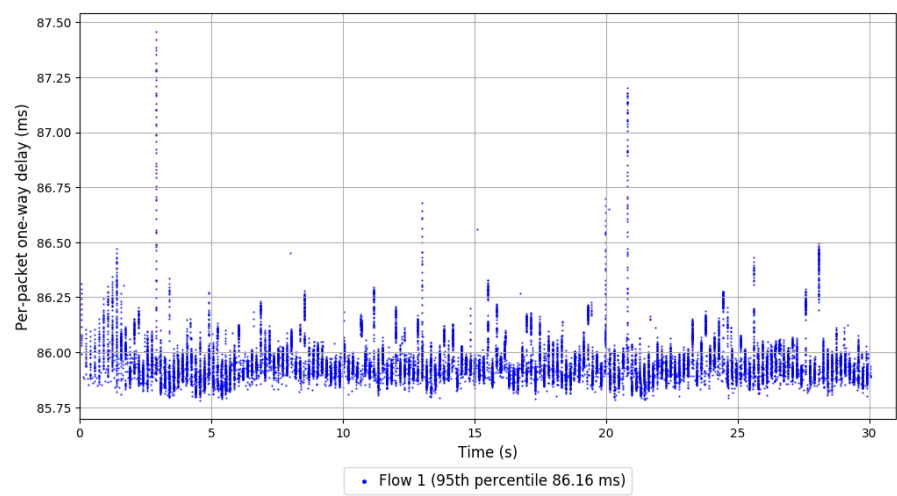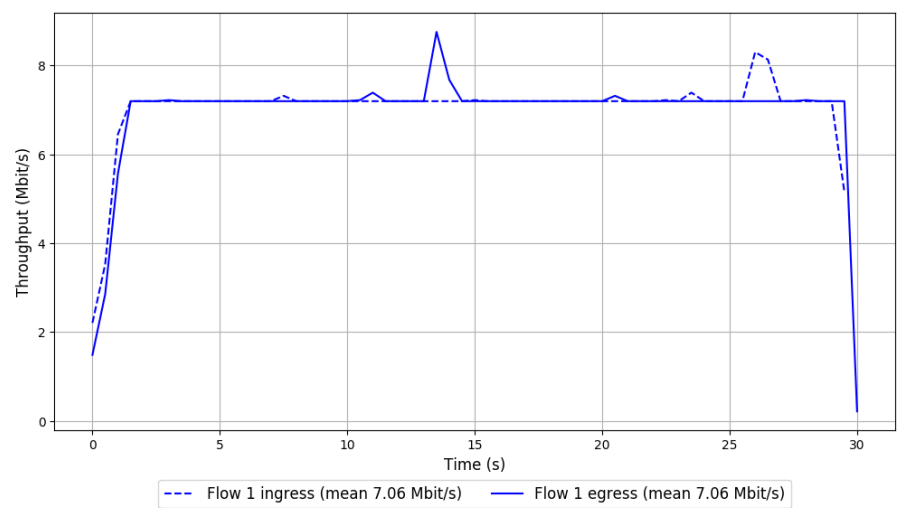Run 6: Report of KohoCC — Data Link

```
Run 7: Statistics of KohoCC

Start at: 2017-09-17 14:44:55
End at: 2017-09-17 14:45:25
Local clock offset: -9.134 ms
Remote clock offset: -3.023 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 86.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 86.161 ms
Loss rate: 0.00%
```

Run 7: Report of KohoCC — Data Link

Flow 1 ingress (mean 7.06 Mbit/s) --- Flow 1 egress (mean 7.06 Mbit/s)

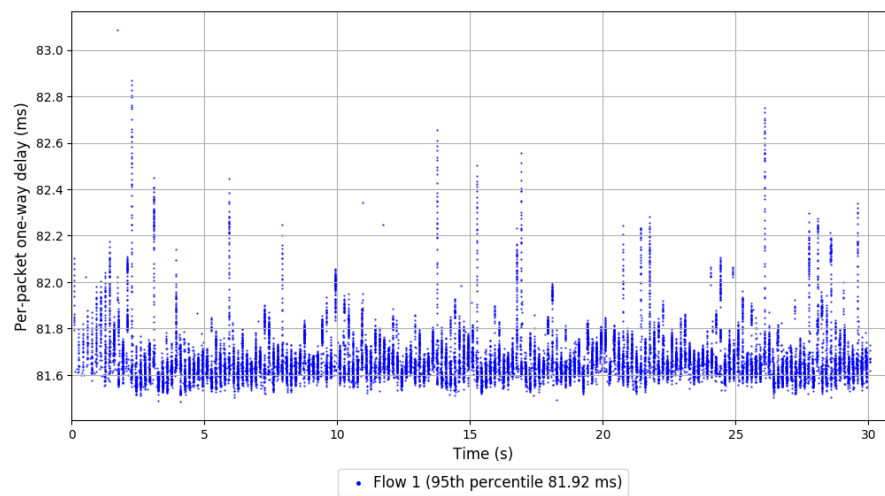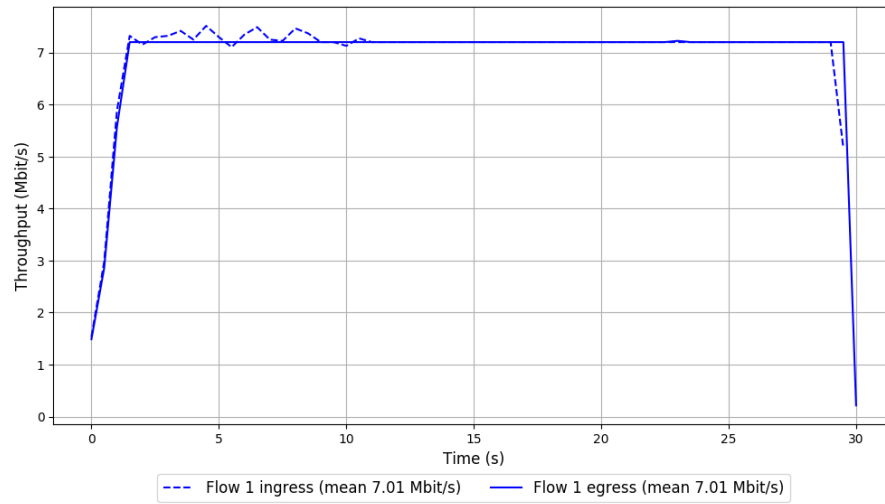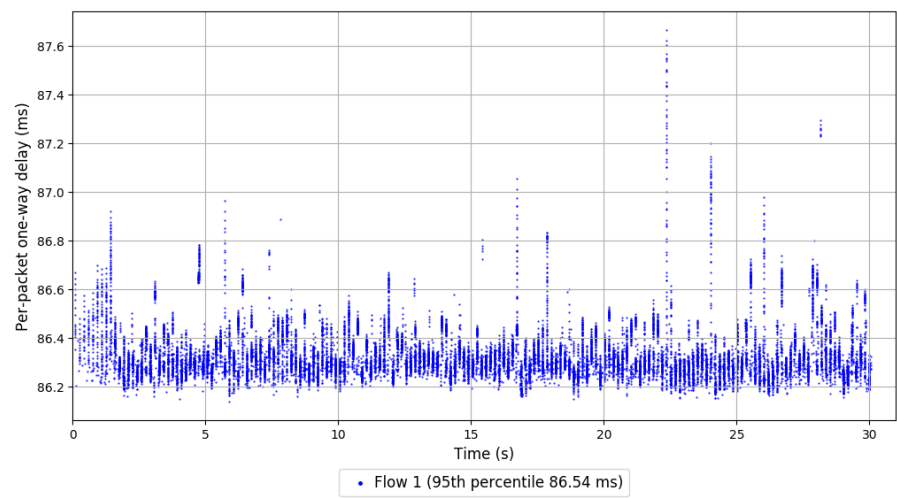Flow 1 (95th percentile 86.16 ms)

```
Run 8: Statistics of KohoCC

Start at: 2017-09-17 15:05:16
End at: 2017-09-17 15:05:46
Local clock offset: -8.831 ms
Remote clock offset: -7.836 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 81.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 81.924 ms
Loss rate: 0.00%
```

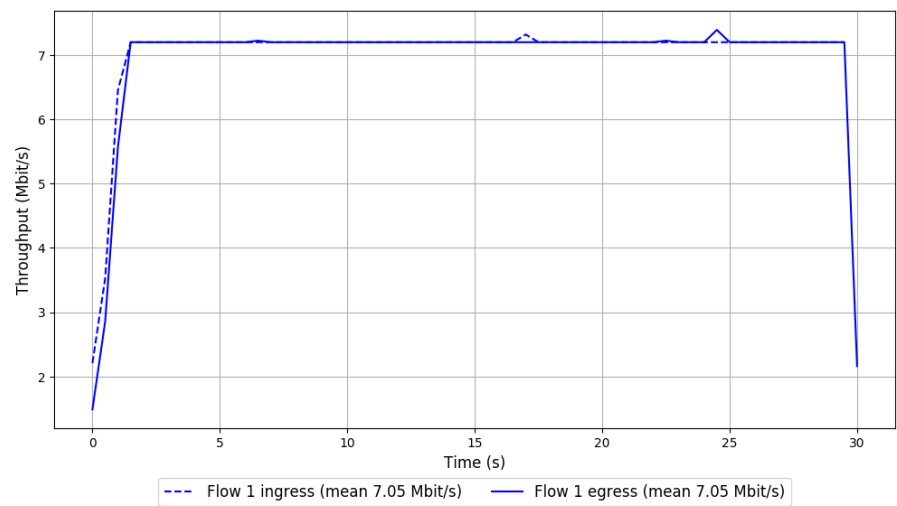Run 8: Report of KohoCC — Data Link

```
Run 9: Statistics of KohoCC

Start at: 2017-09-17 15:26:17
End at: 2017-09-17 15:26:48
Local clock offset: -8.713 ms
Remote clock offset: -2.853 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 86.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 86.541 ms
Loss rate: 0.00%
```

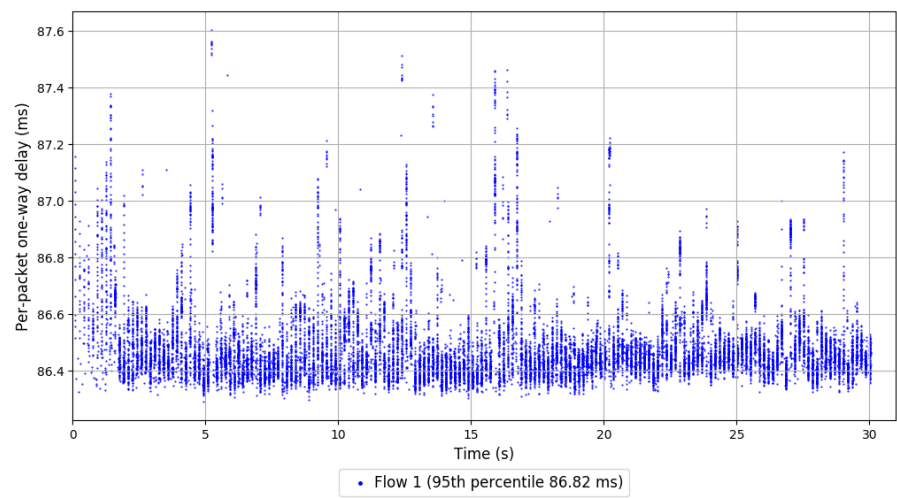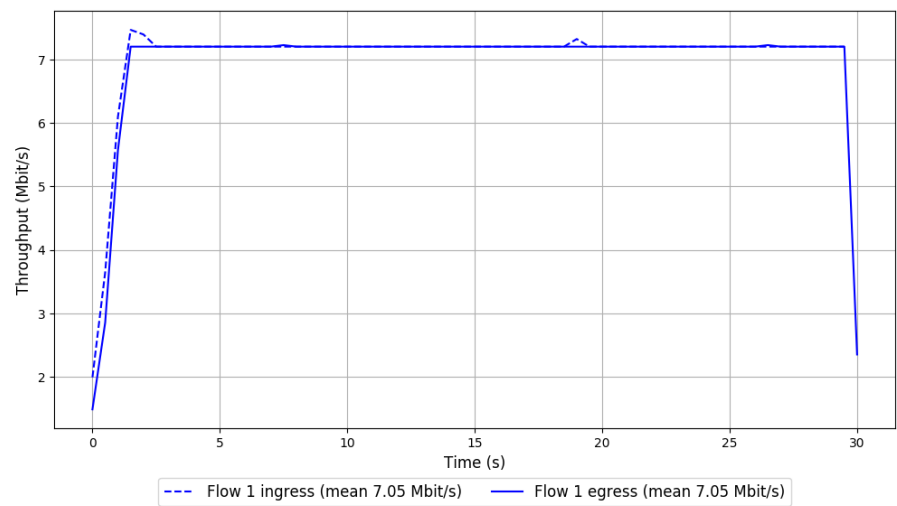Run 9: Report of KohoCC — Data Link

```
Run 10: Statistics of KohoCC

Start at: 2017-09-17 15:47:29
End at: 2017-09-17 15:47:59
Local clock offset: -8.541 ms
Remote clock offset: -2.291 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 86.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 86.817 ms
Loss rate: 0.00%
```

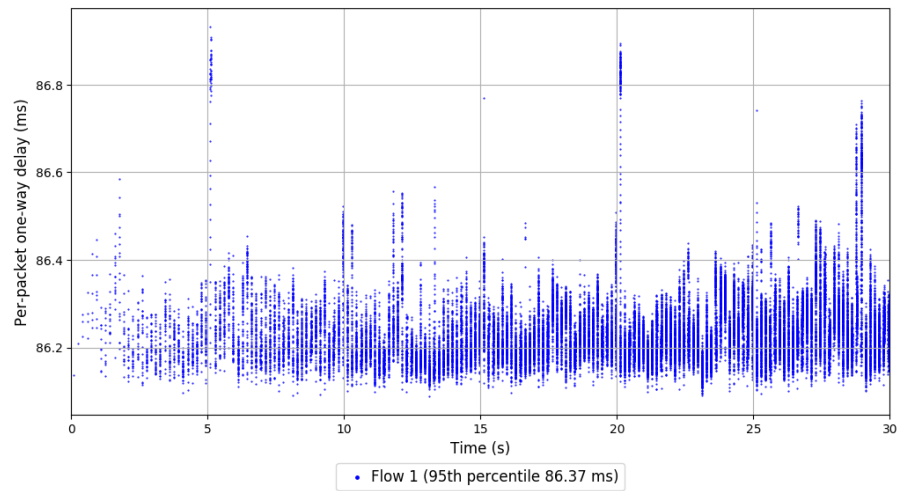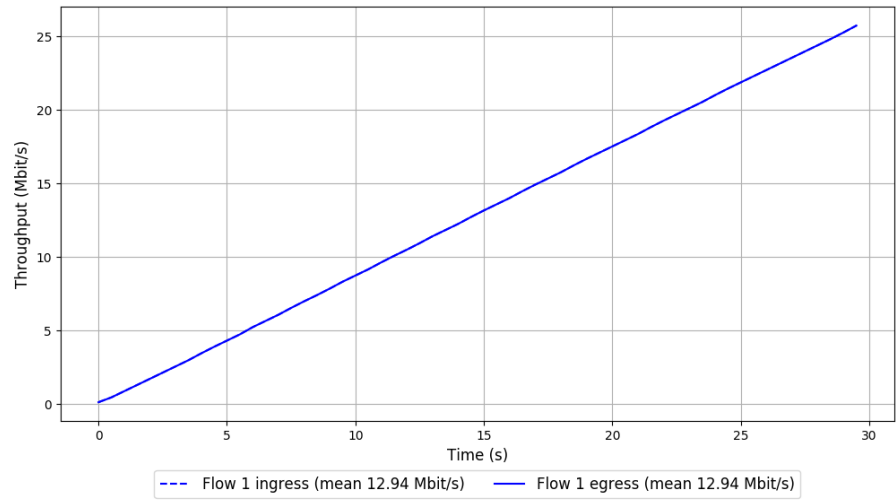Run 10: Report of KohoCC — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2017-09-17 12:32:15
End at: 2017-09-17 12:32:45
Local clock offset: -10.117 ms
Remote clock offset: -3.251 ms

# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 86.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 86.367 ms
Loss rate: 0.00%
```
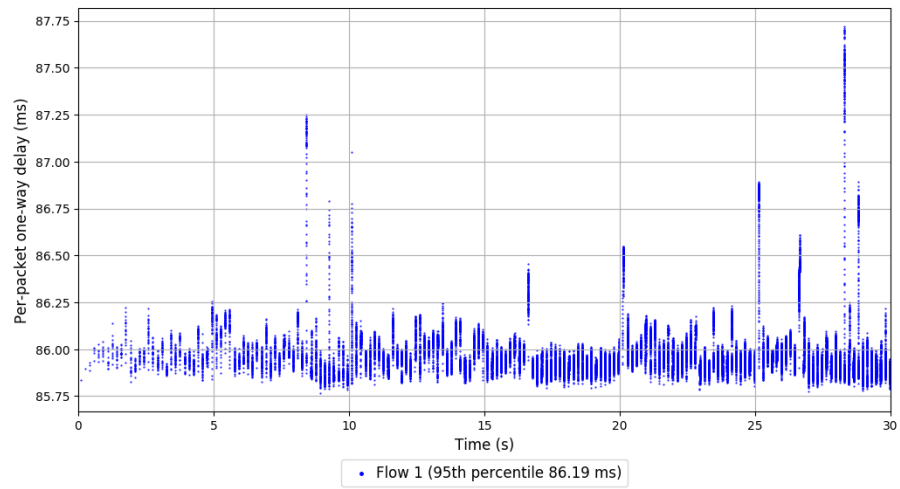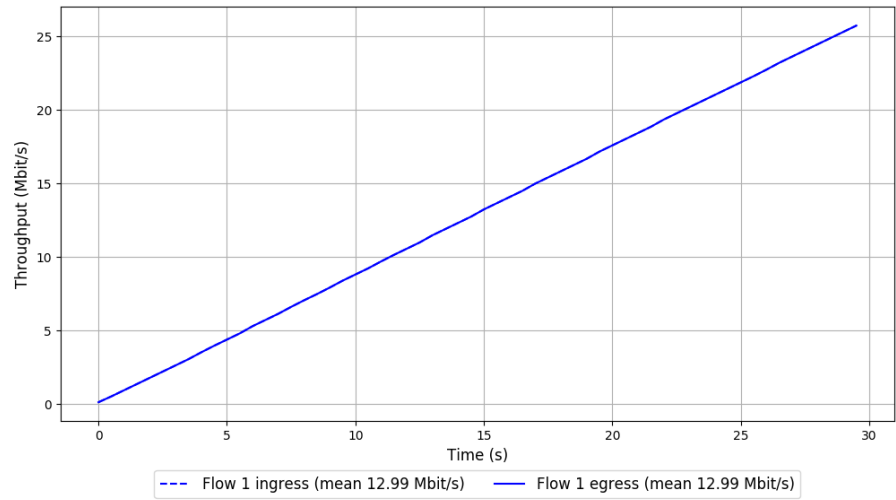
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2017-09-17 12:51:36
End at: 2017-09-17 12:52:06
Local clock offset: -10.14 ms
Remote clock offset: -3.47 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 86.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 86.187 ms
Loss rate: 0.00%
```

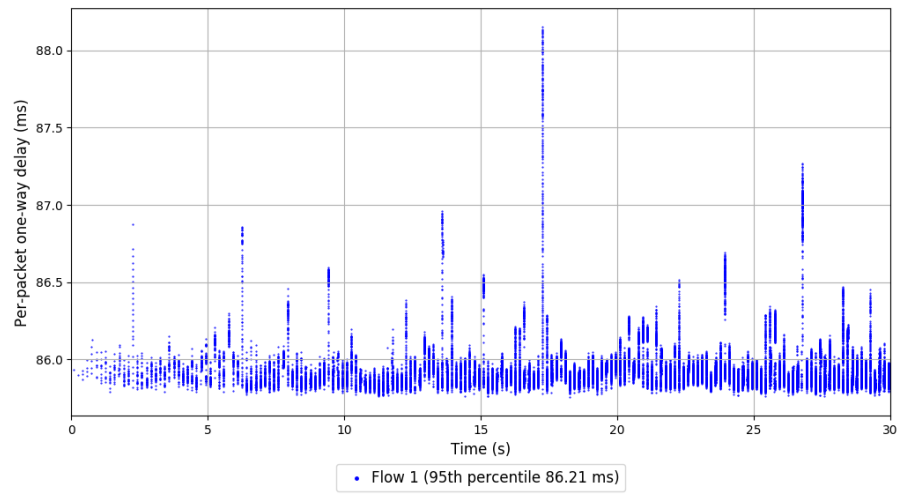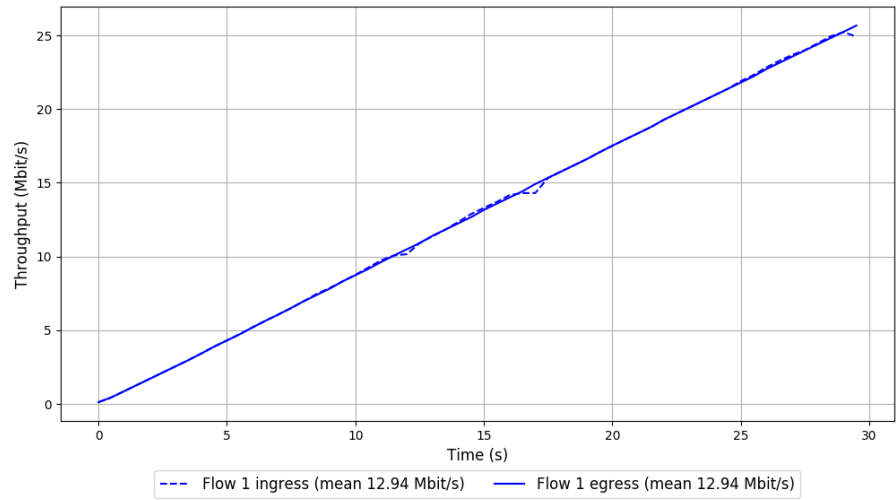Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2017-09-17 13:11:20
End at: 2017-09-17 13:11:50
Local clock offset: -10.183 ms
Remote clock offset: -3.503 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 86.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 86.211 ms
Loss rate: 0.00%
```
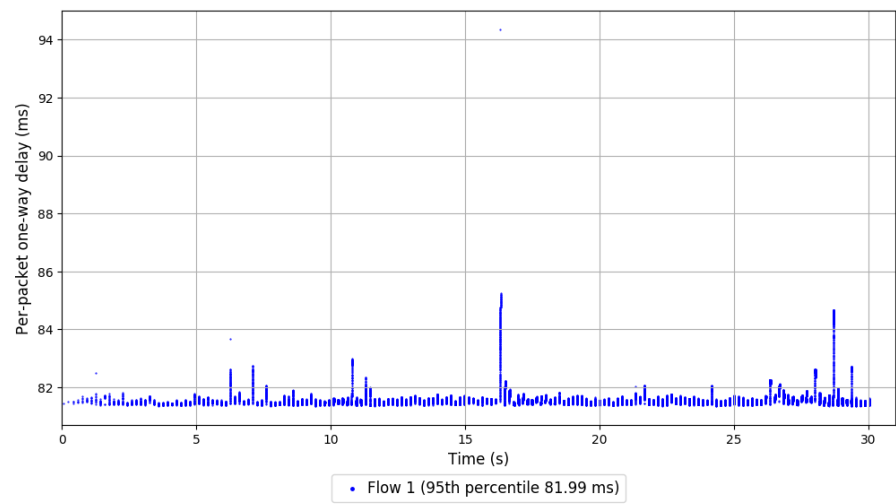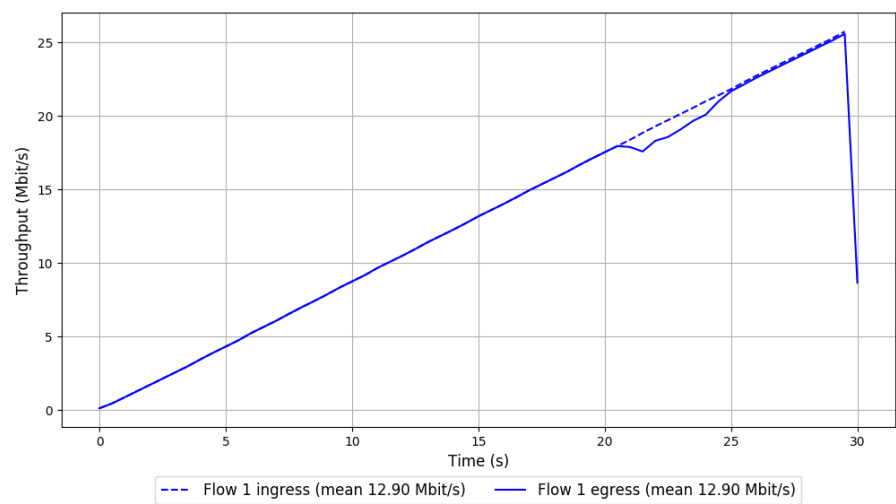
Run 3: Report of LEDBAT — Data Link

```
Run 4: Statistics of LEDBAT

Start at: 2017-09-17 13:31:16
End at: 2017-09-17 13:31:46
Local clock offset: -9.926 ms
Remote clock offset: -8.027 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 81.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 81.991 ms
Loss rate: 0.00%
```
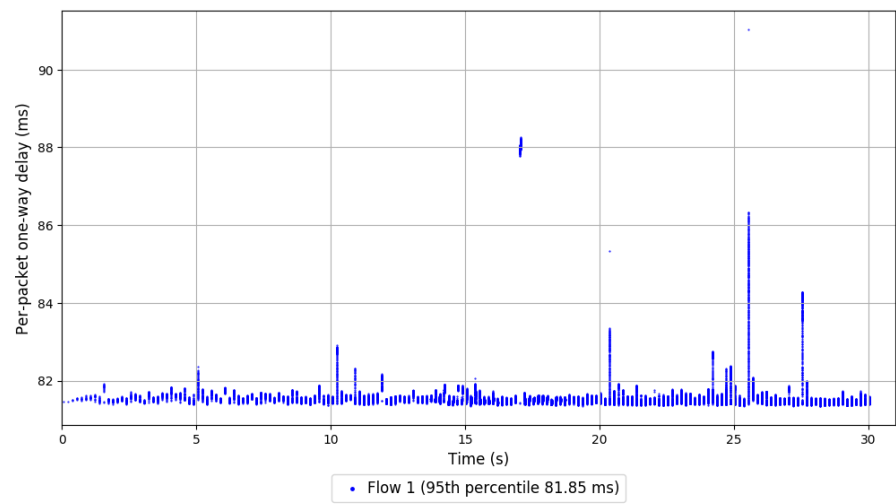
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.90 Mbit/s) --- Flow 1 egress (mean 12.90 Mbit/s)

Flow 1 (95th percentile 81.99 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2017-09-17 13:51:38
End at: 2017-09-17 13:52:08
Local clock offset: -9.725 ms
Remote clock offset: -7.78 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 81.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 81.851 ms
Loss rate: 0.00%
```
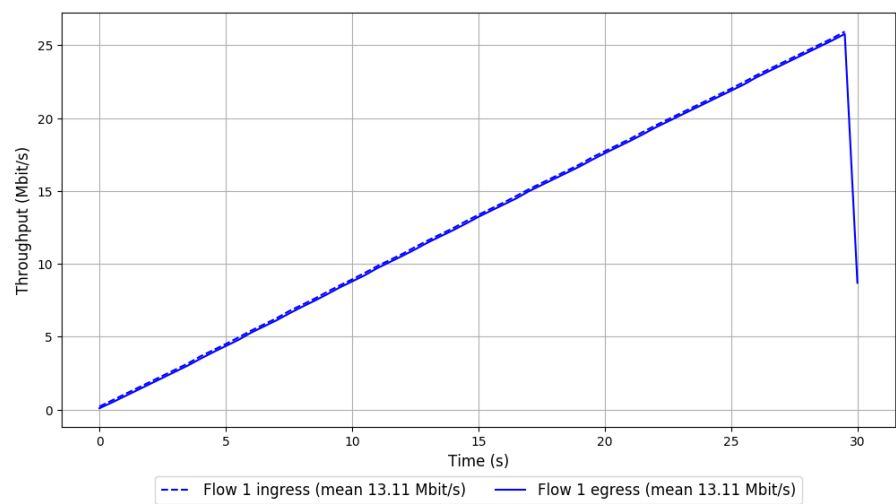
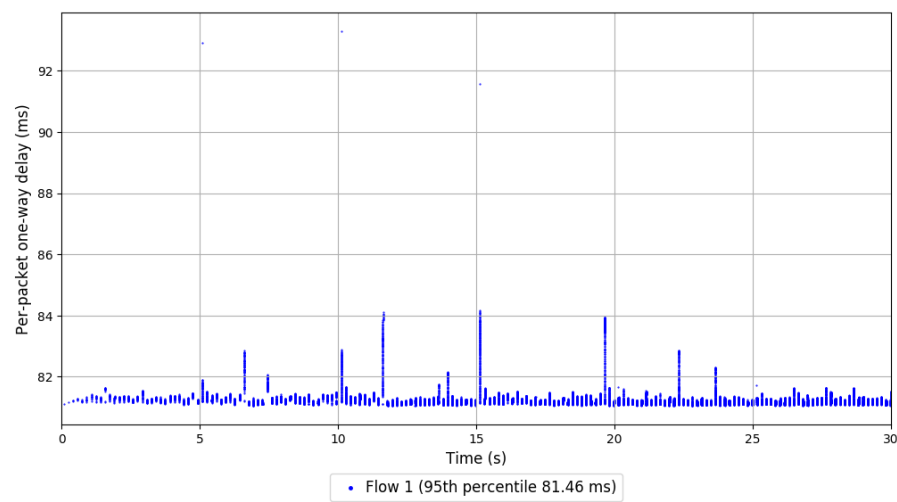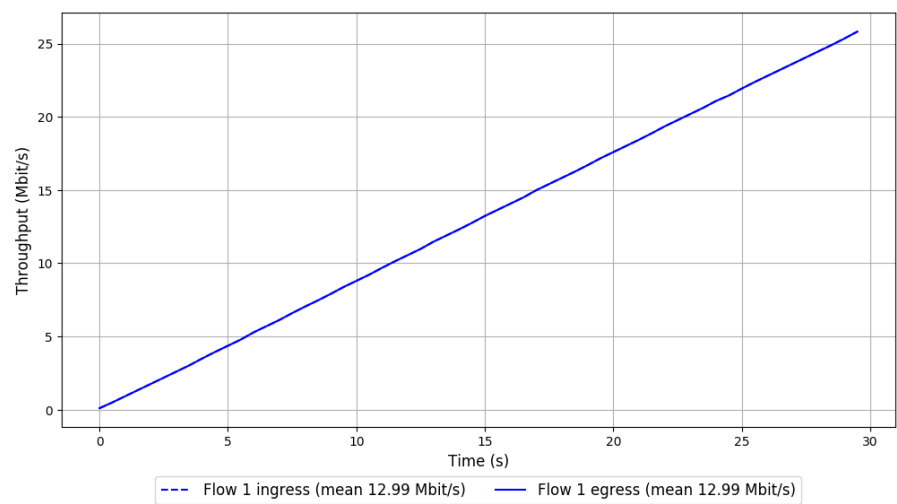# Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-09-17 14:12:30
End at: 2017-09-17 14:13:00
Local clock offset: -9.524 ms
Remote clock offset: -8.068 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 81.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 81.458 ms
Loss rate: 0.00%
```

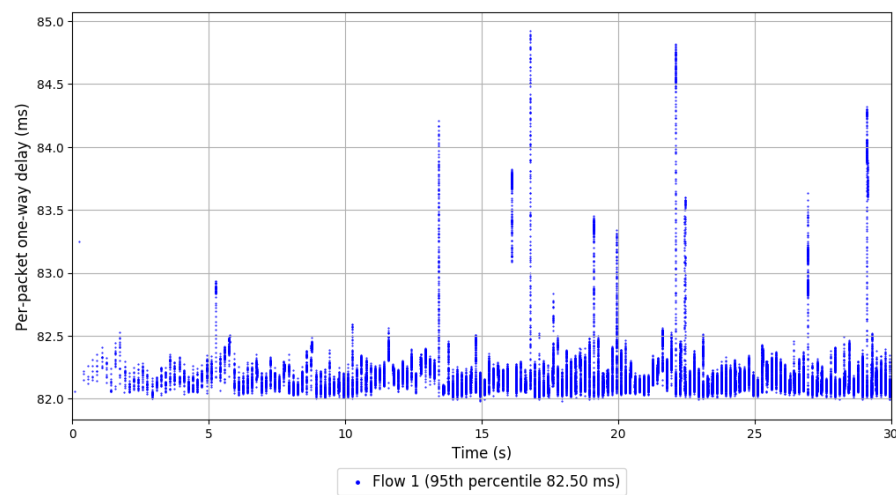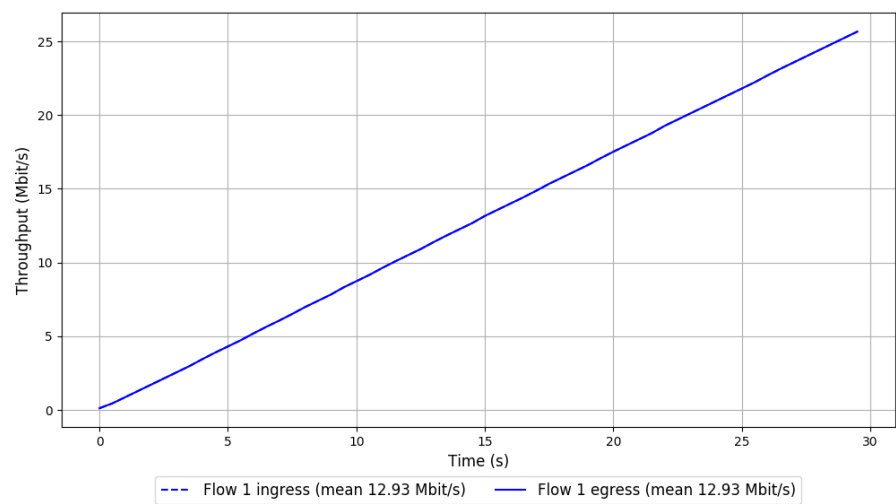# Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2017-09-17 14:32:56
End at: 2017-09-17 14:33:26
Local clock offset: -9.278 ms
Remote clock offset: -7.588 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 82.500 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 82.500 ms
Loss rate: 0.00%
```

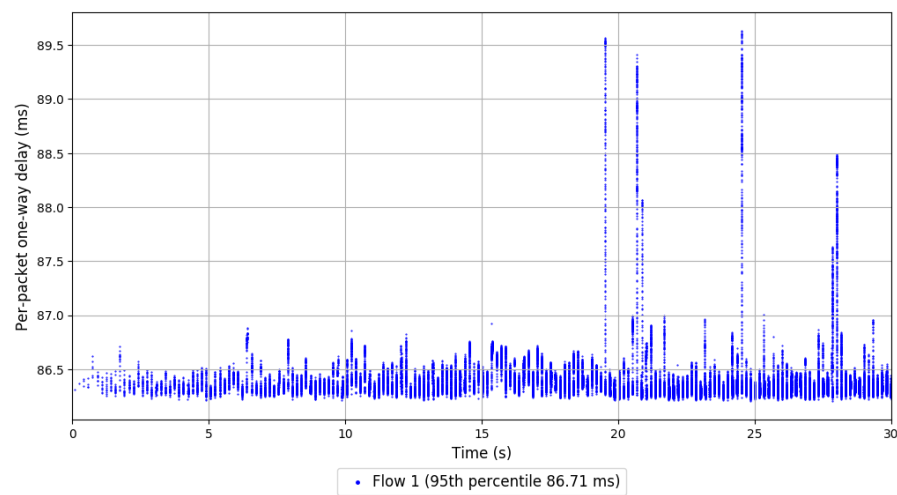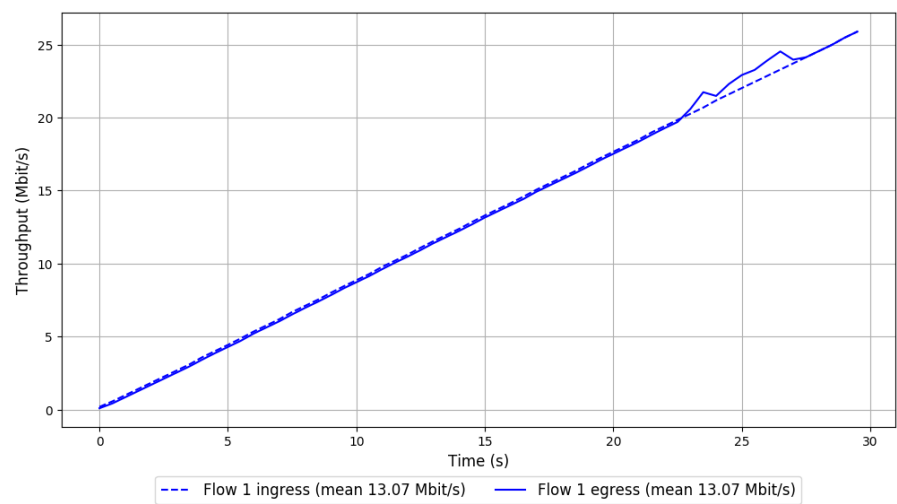Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2017-09-17 14:53:17
End at: 2017-09-17 14:53:47
Local clock offset: -9.019 ms
Remote clock offset: -3.045 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 86.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 86.714 ms
Loss rate: 0.00%
```

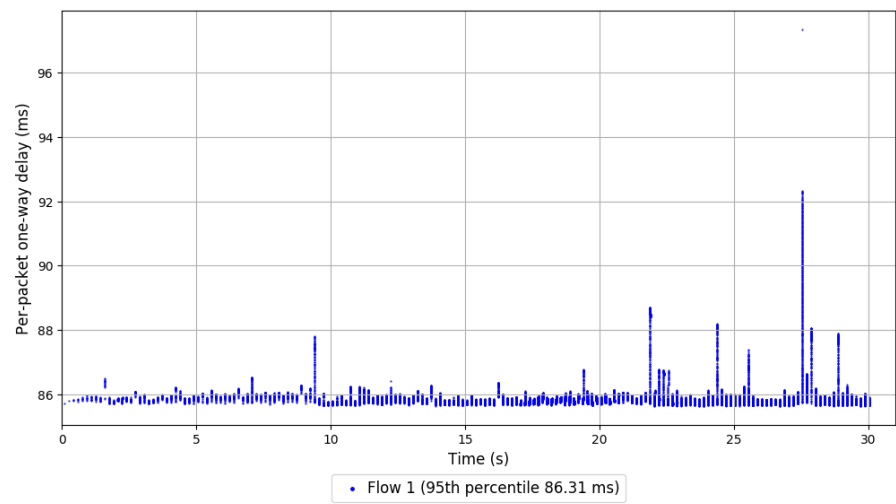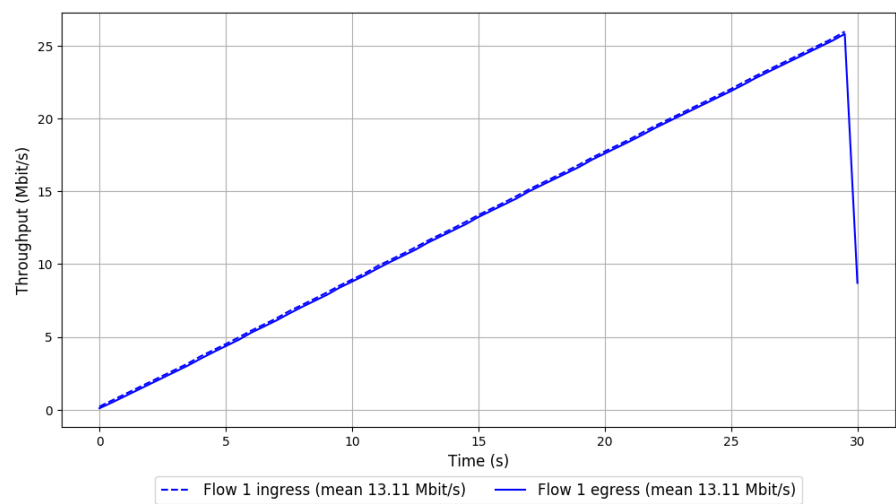Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2017-09-17 15:14:05
End at: 2017-09-17 15:14:35
Local clock offset: -8.863 ms
Remote clock offset: -3.234 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 86.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 86.314 ms
Loss rate: 0.00%
```

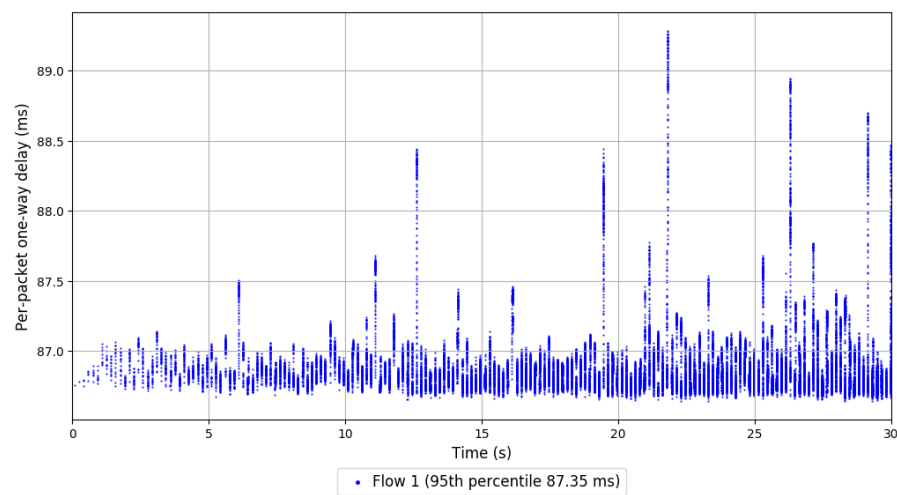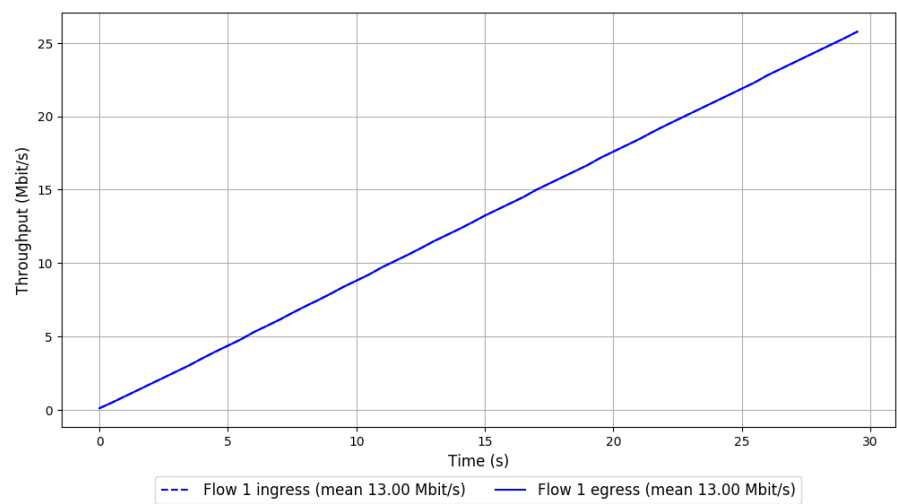## Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2017-09-17 15:35:23
End at: 2017-09-17 15:35:53
Local clock offset: -8.652 ms
Remote clock offset: -2.705 ms


# Below is generated by plot.py at 2017-09-17 17:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 87.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 87.347 ms
Loss rate: 0.00%
```
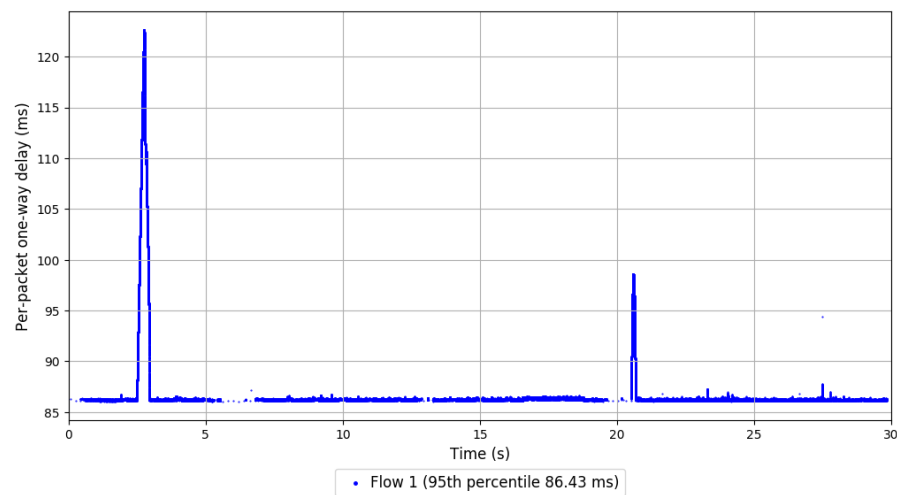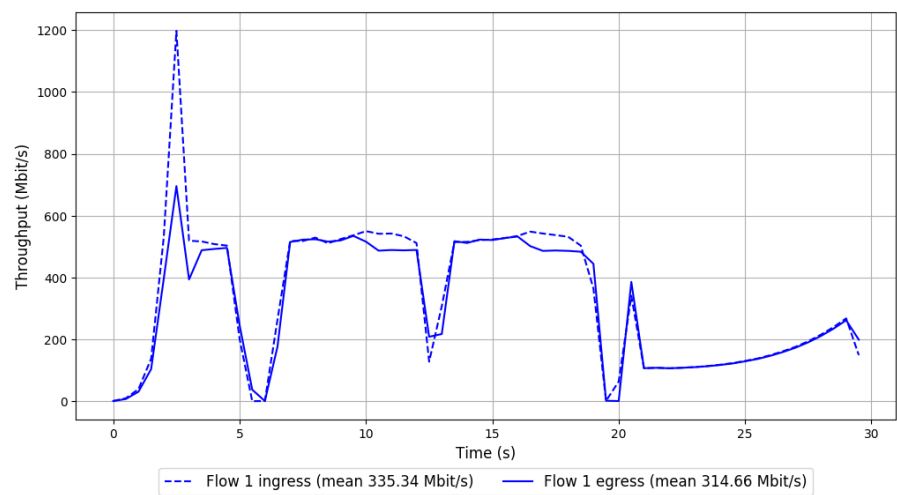
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2017-09-17 12:29:18
End at: 2017-09-17 12:29:48
Local clock offset: -10.02 ms
Remote clock offset: -3.426 ms


# Below is generated by plot.py at 2017-09-17 17:05:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 314.66 Mbit/s
95th percentile per-packet one-way delay: 86.428 ms
Loss rate: 6.17%
-- Flow 1:
Average throughput: 314.66 Mbit/s
95th percentile per-packet one-way delay: 86.428 ms
Loss rate: 6.17%
```

Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 335.34 Mbit/s)   Flow 1 egress (mean 314.66 Mbit/s)

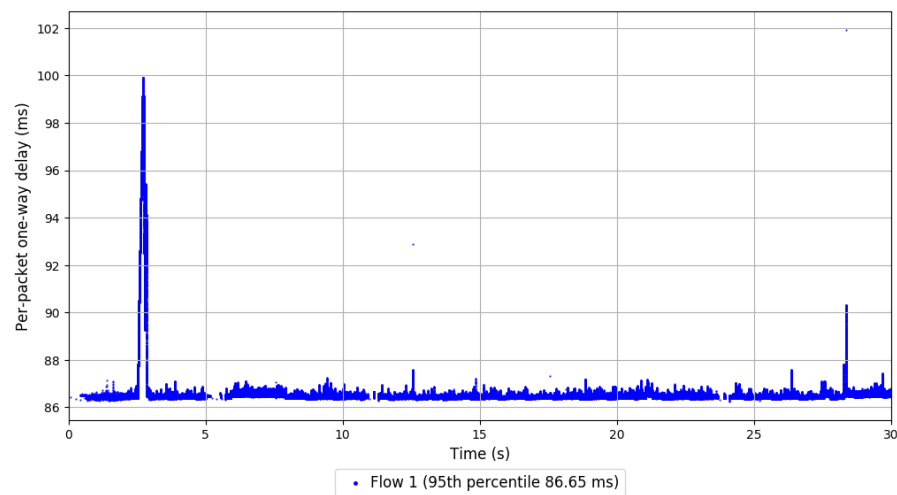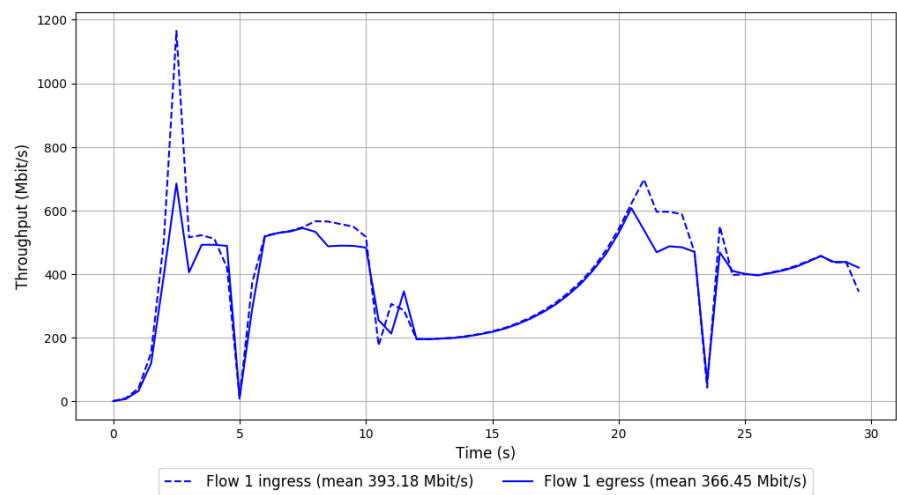Flow 1 (95th percentile 86.43 ms)

```
Run 2: Statistics of PCC

Start at: 2017-09-17 12:48:38
End at: 2017-09-17 12:49:08
Local clock offset: -10.234 ms
Remote clock offset: -3.22 ms


# Below is generated by plot.py at 2017-09-17 17:05:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.45 Mbit/s
95th percentile per-packet one-way delay: 86.647 ms
Loss rate: 6.80%
-- Flow 1:
Average throughput: 366.45 Mbit/s
95th percentile per-packet one-way delay: 86.647 ms
Loss rate: 6.80%
```

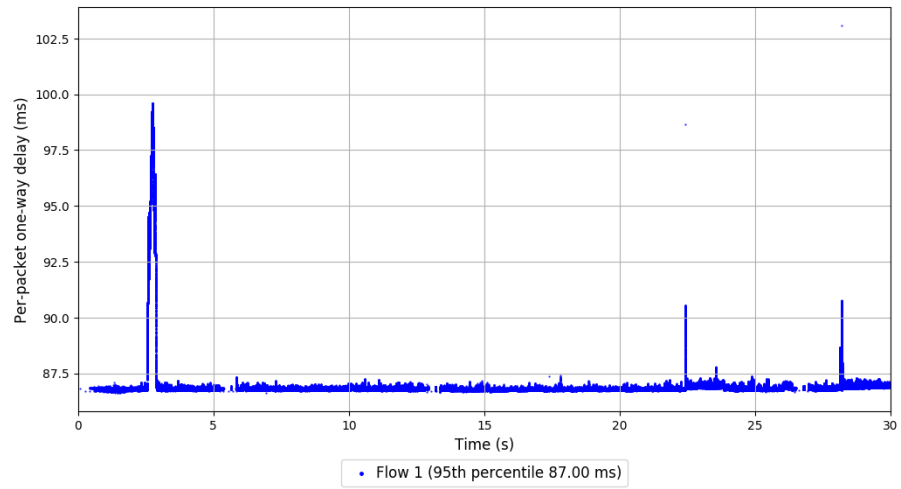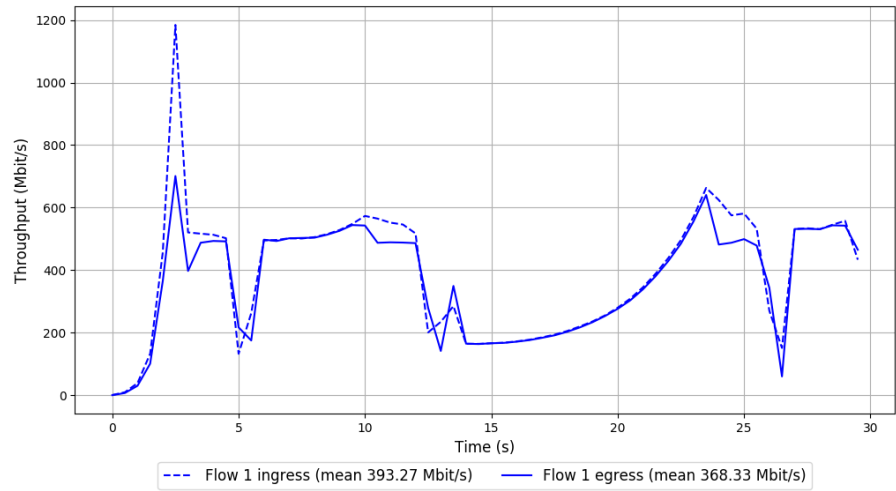## Run 2: Report of PCC — Data Link

```
Run 3: Statistics of PCC

Start at: 2017-09-17 13:08:19
End at: 2017-09-17 13:08:49
Local clock offset: -10.129 ms
Remote clock offset: -2.703 ms


# Below is generated by plot.py at 2017-09-17 17:06:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.33 Mbit/s
95th percentile per-packet one-way delay: 87.005 ms
Loss rate: 6.34%
-- Flow 1:
Average throughput: 368.33 Mbit/s
95th percentile per-packet one-way delay: 87.005 ms
Loss rate: 6.34%
```

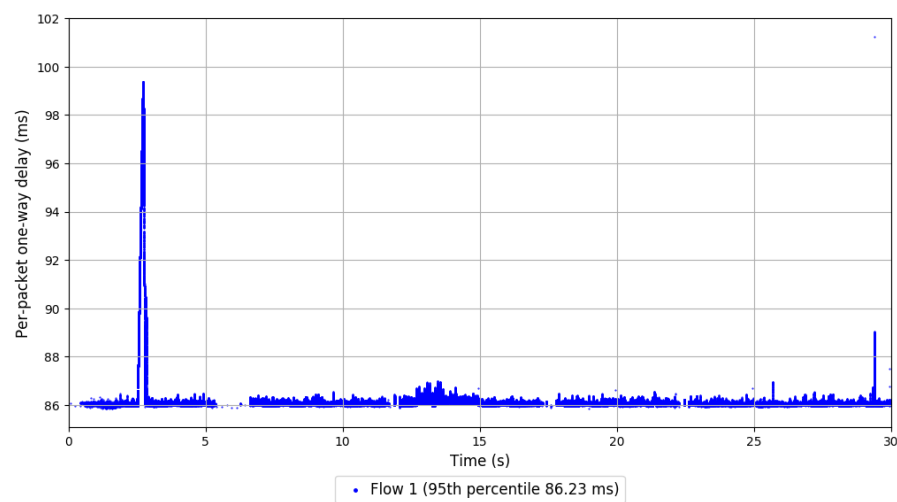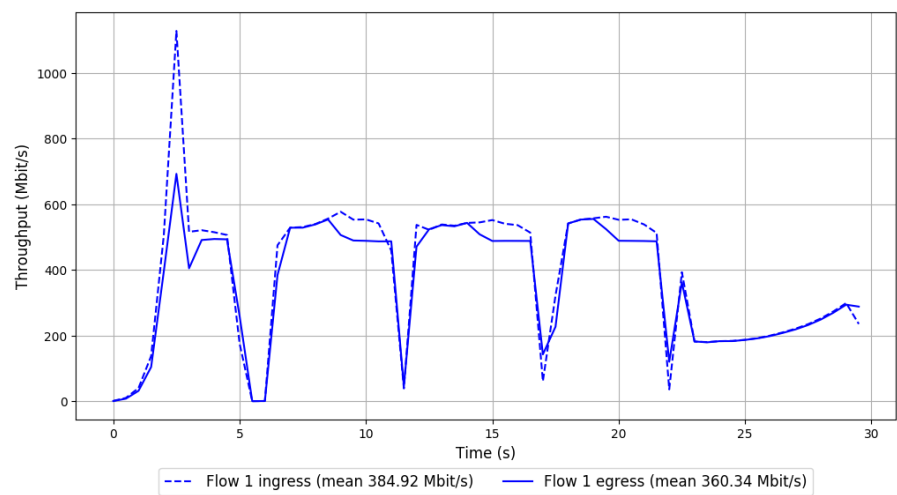Run 3: Report of PCC — Data Link

```
Run 4: Statistics of PCC

Start at: 2017-09-17 13:27:58
End at: 2017-09-17 13:28:28
Local clock offset: -10.029 ms
Remote clock offset: -3.108 ms


# Below is generated by plot.py at 2017-09-17 17:06:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.34 Mbit/s
95th percentile per-packet one-way delay: 86.234 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 360.34 Mbit/s
95th percentile per-packet one-way delay: 86.234 ms
Loss rate: 6.38%
```

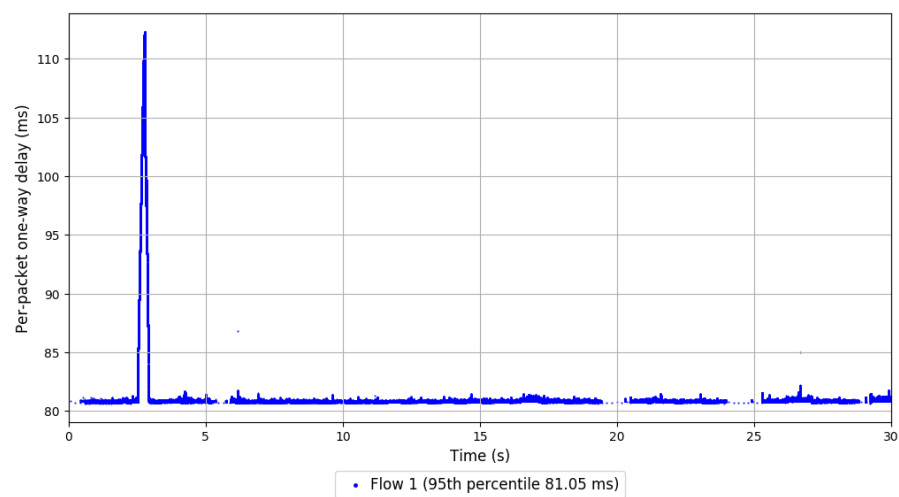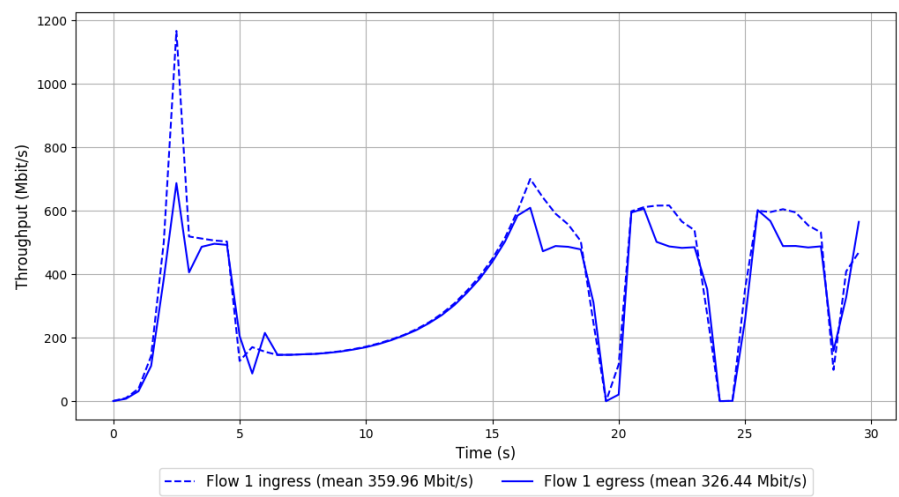Run 4: Report of PCC — Data Link

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```
Run 5: Statistics of PCC

Start at: 2017-09-17 13:48:25
End at: 2017-09-17 13:48:55
Local clock offset: -9.702 ms
Remote clock offset: -8.095 ms


# Below is generated by plot.py at 2017-09-17 17:06:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 326.44 Mbit/s
95th percentile per-packet one-way delay: 81.051 ms
Loss rate: 9.31%
-- Flow 1:
Average throughput: 326.44 Mbit/s
95th percentile per-packet one-way delay: 81.051 ms
Loss rate: 9.31%
```

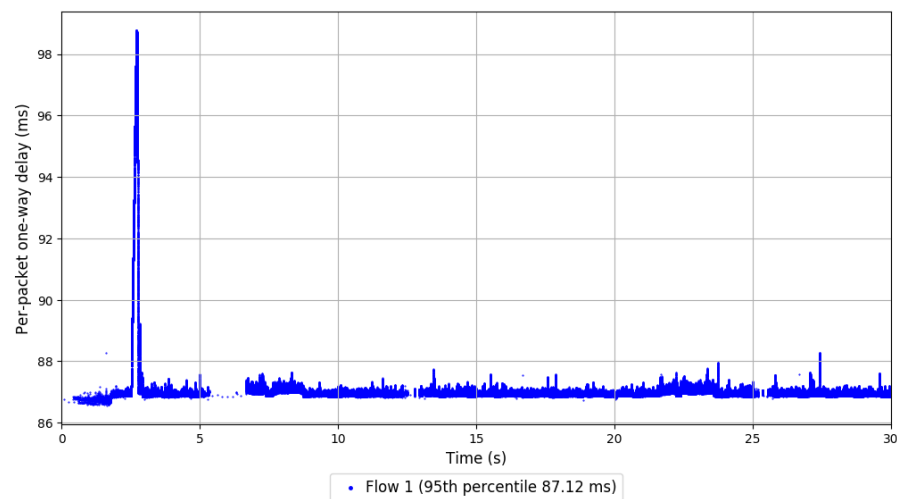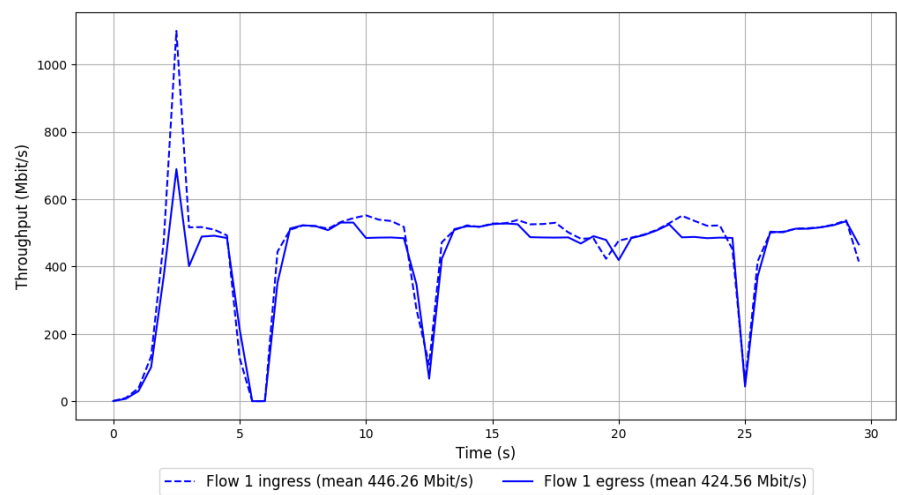Run 5: Report of PCC — Data Link

```
Run 6: Statistics of PCC

Start at: 2017-09-17 14:08:55
End at: 2017-09-17 14:09:25
Local clock offset: -9.539 ms
Remote clock offset: -2.574 ms


# Below is generated by plot.py at 2017-09-17 17:06:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 424.56 Mbit/s
95th percentile per-packet one-way delay: 87.125 ms
Loss rate: 4.86%
-- Flow 1:
Average throughput: 424.56 Mbit/s
95th percentile per-packet one-way delay: 87.125 ms
Loss rate: 4.86%
```

Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 446.26 Mbit/s)   Flow 1 egress (mean 424.56 Mbit/s)

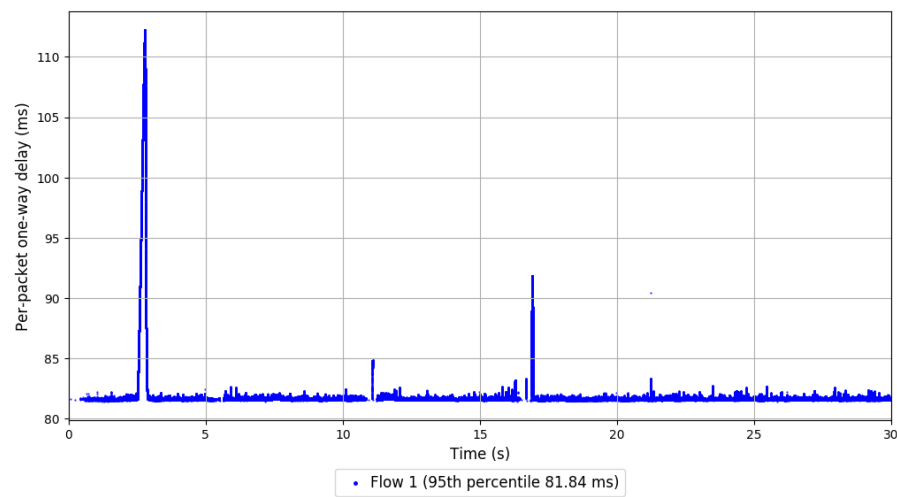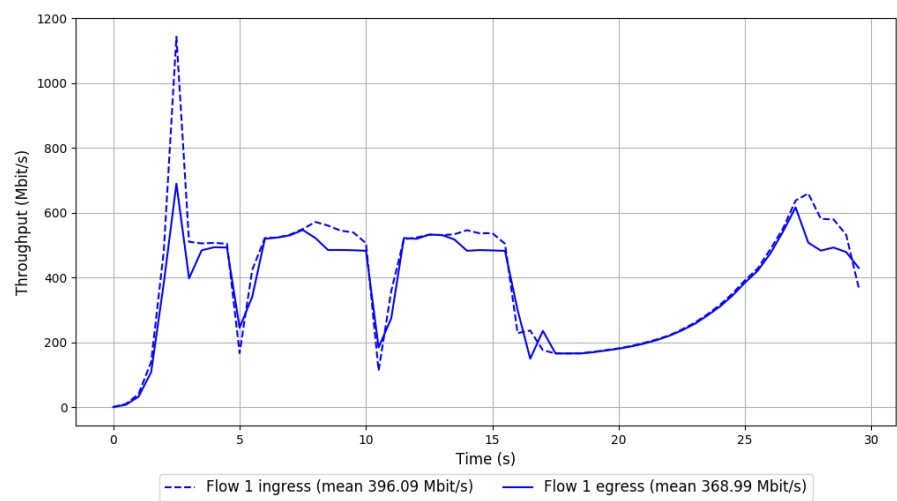• Flow 1 (95th percentile 87.12 ms)

```
Run 7: Statistics of PCC

Start at: 2017-09-17 14:29:47
End at: 2017-09-17 14:30:17
Local clock offset: -9.343 ms
Remote clock offset: -7.925 ms


# Below is generated by plot.py at 2017-09-17 17:06:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.99 Mbit/s
95th percentile per-packet one-way delay: 81.840 ms
Loss rate: 6.84%
-- Flow 1:
Average throughput: 368.99 Mbit/s
95th percentile per-packet one-way delay: 81.840 ms
Loss rate: 6.84%
```

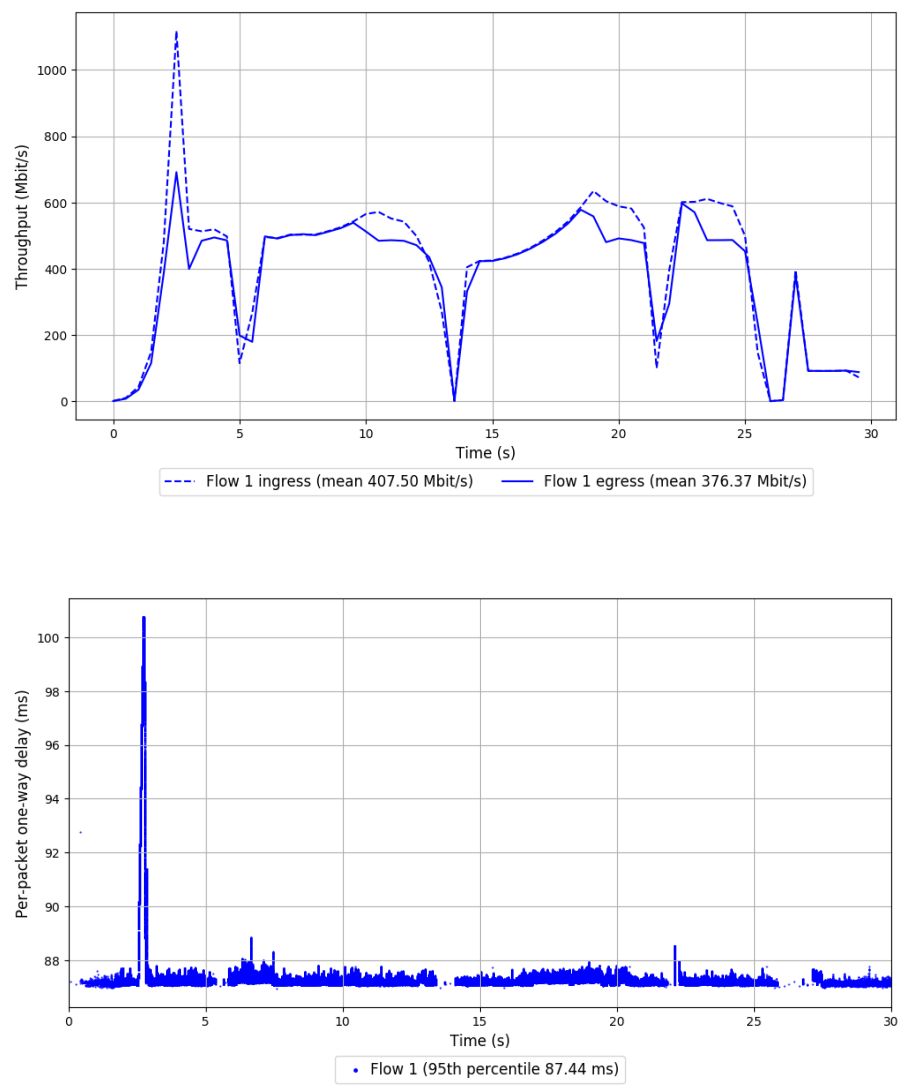# Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2017-09-17 14:50:06
End at: 2017-09-17 14:50:36
Local clock offset: -9.094 ms
Remote clock offset: -3.041 ms


# Below is generated by plot.py at 2017-09-17 17:07:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 376.37 Mbit/s
95th percentile per-packet one-way delay: 87.443 ms
Loss rate: 7.64%
-- Flow 1:
Average throughput: 376.37 Mbit/s
95th percentile per-packet one-way delay: 87.443 ms
Loss rate: 7.64%
```

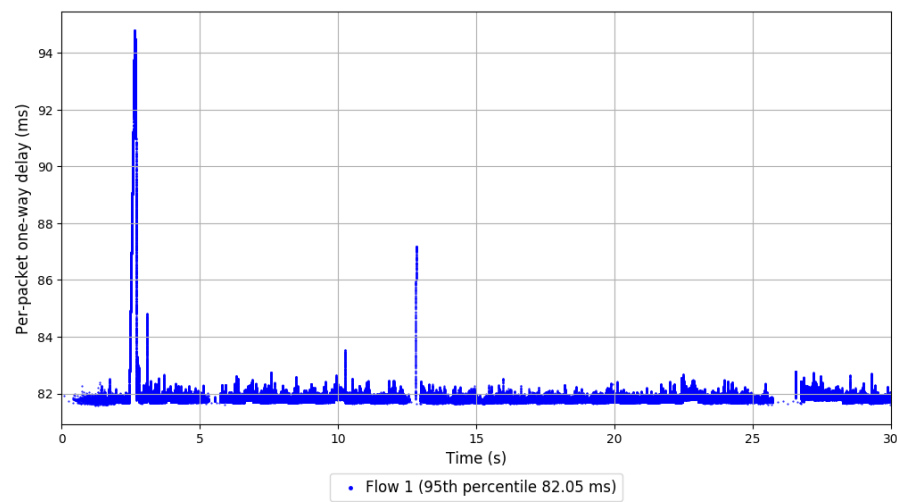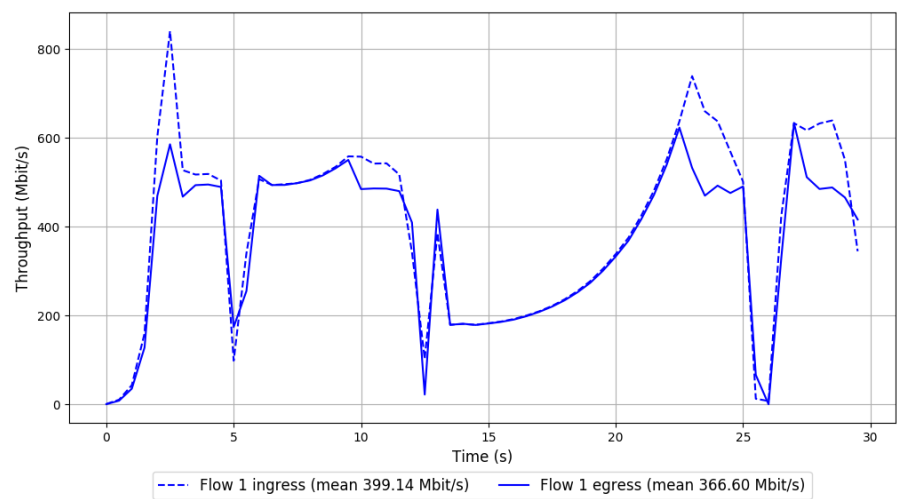Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: 2017-09-17 15:10:32
End at: 2017-09-17 15:11:02
Local clock offset: -8.889 ms
Remote clock offset: -7.534 ms


# Below is generated by plot.py at 2017-09-17 17:10:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.60 Mbit/s
95th percentile per-packet one-way delay: 82.046 ms
Loss rate: 8.15%
-- Flow 1:
Average throughput: 366.60 Mbit/s
95th percentile per-packet one-way delay: 82.046 ms
Loss rate: 8.15%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 399.14 Mbit/s)   Flow 1 egress (mean 366.60 Mbit/s)

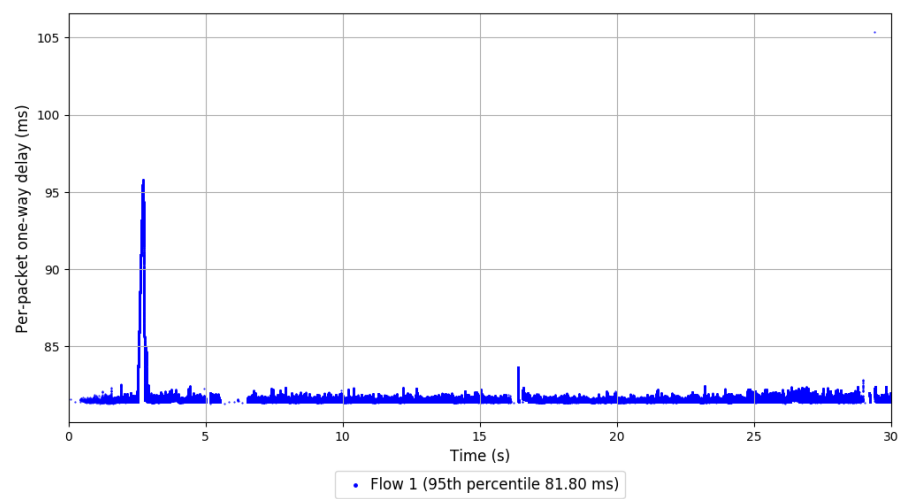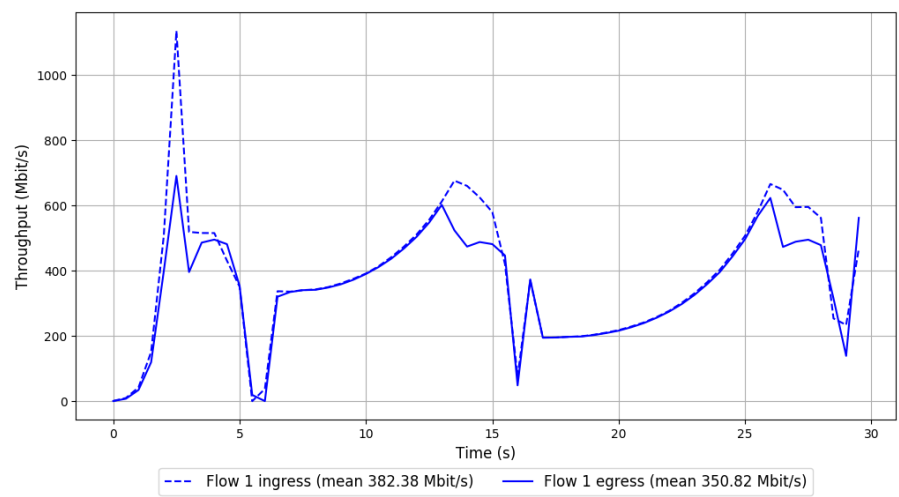• Flow 1 (95th percentile 82.05 ms)

```
Run 10: Statistics of PCC

Start at: 2017-09-17 15:31:44
End at: 2017-09-17 15:32:14
Local clock offset: -8.69 ms
Remote clock offset: -7.794 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.82 Mbit/s
95th percentile per-packet one-way delay: 81.796 ms
Loss rate: 8.25%
-- Flow 1:
Average throughput: 350.82 Mbit/s
95th percentile per-packet one-way delay: 81.796 ms
Loss rate: 8.25%
```

Run 10: Report of PCC — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-17 12:28:09
End at: 2017-09-17 12:28:39
Local clock offset: -10.072 ms
Remote clock offset: -8.182 ms
```
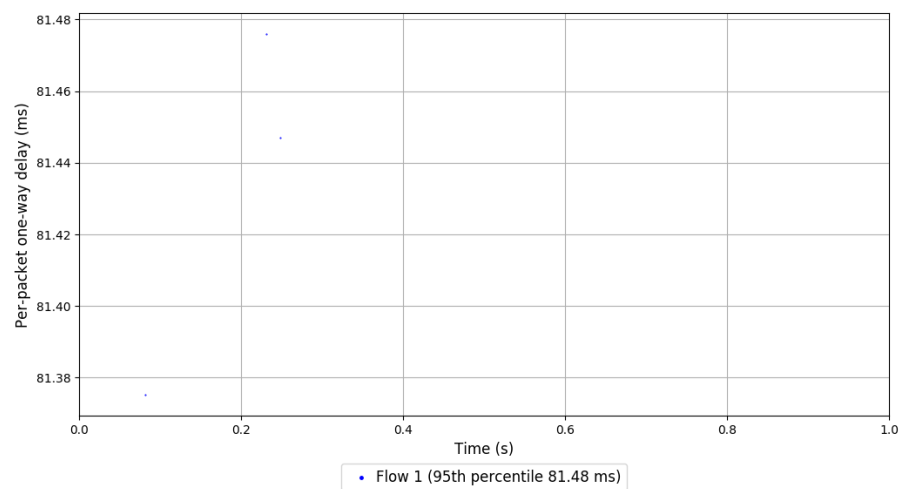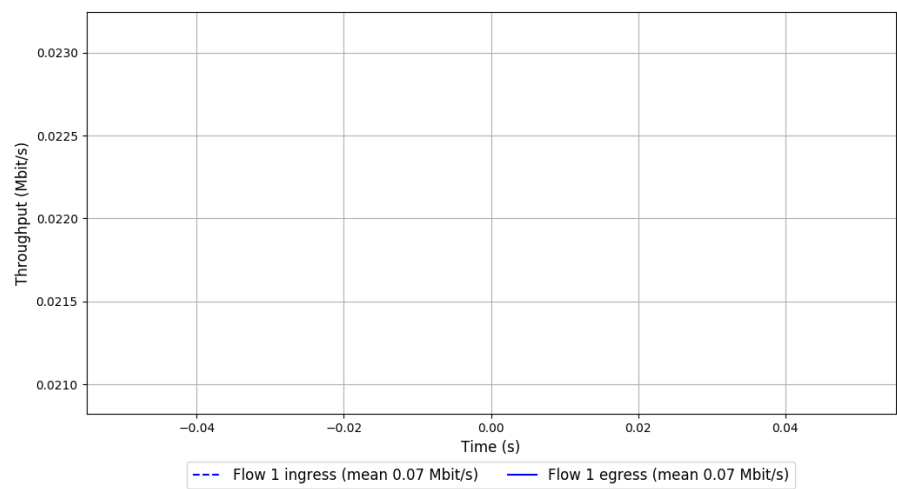
Run 1: Report of QUIC Cubic — Data Link
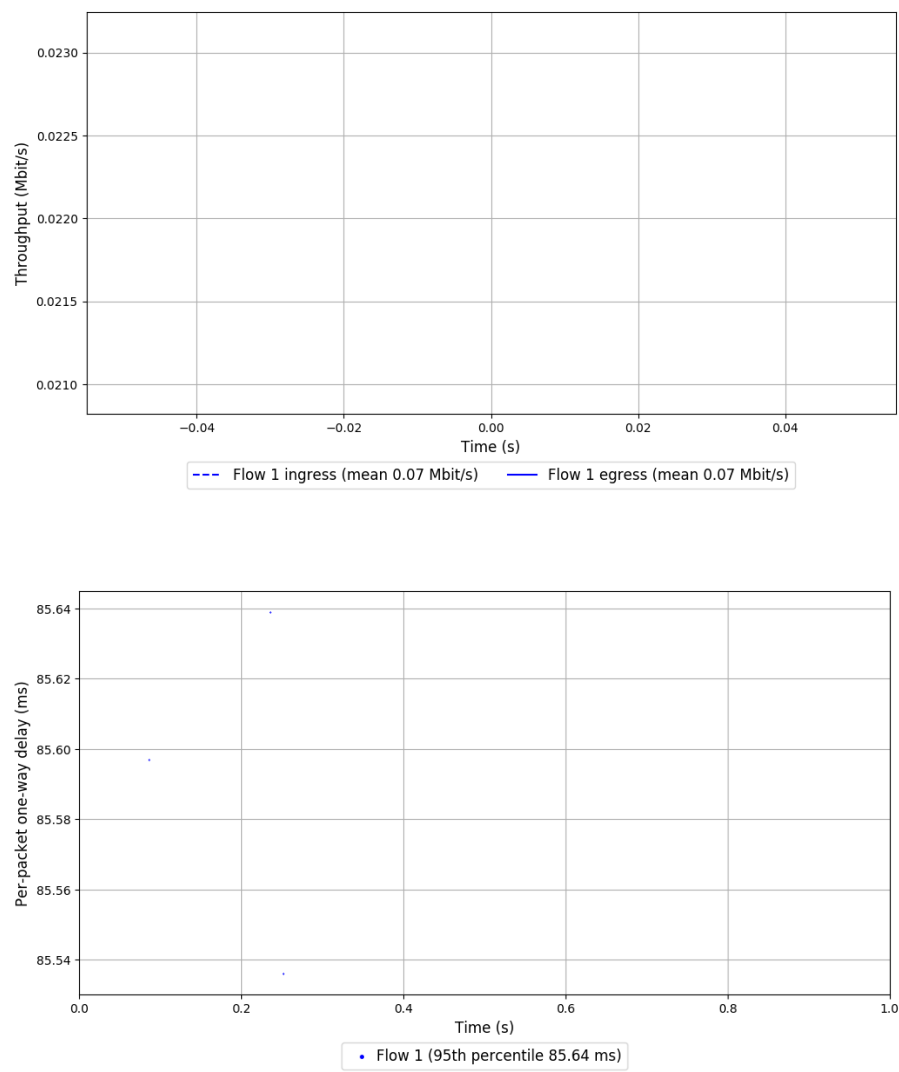
Run 2: Statistics of QUIC Cubic

Start at: 2017-09-17 12:47:29
End at: 2017-09-17 12:47:59
Local clock offset: -10.182 ms
Remote clock offset: -3.727 ms

Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.07 Mbit/s) --- Flow 1 egress (mean 0.07 Mbit/s)

Flow 1 (95th percentile 85.64 ms)
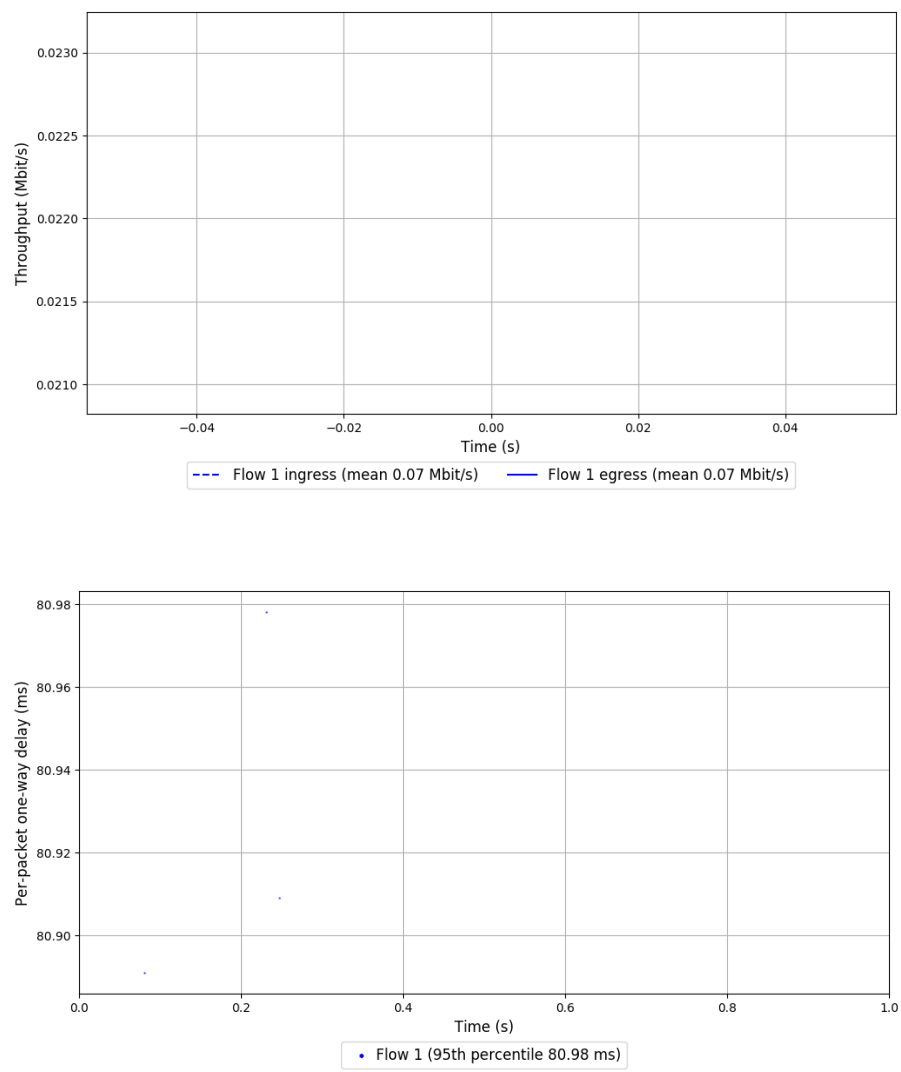
```
Run 3: Statistics of QUIC Cubic

Start at: 2017-09-17 13:07:10
End at: 2017-09-17 13:07:40
Local clock offset: -10.154 ms
Remote clock offset: -8.366 ms
```

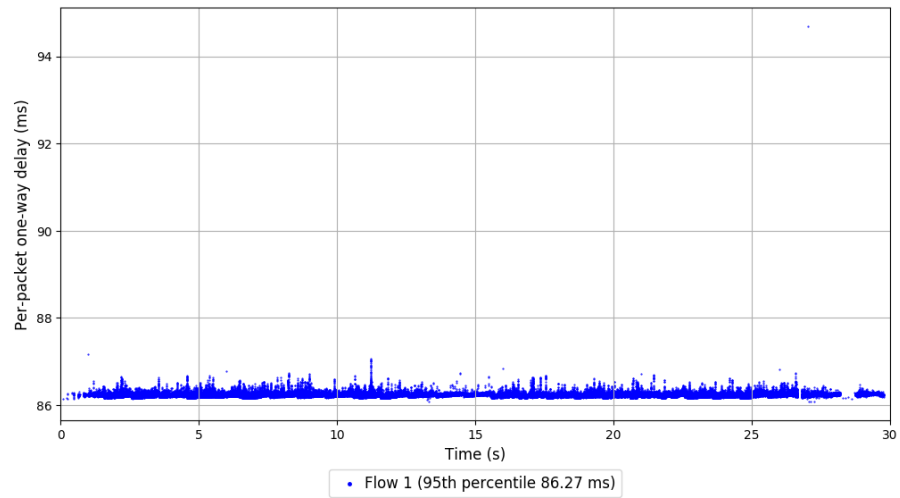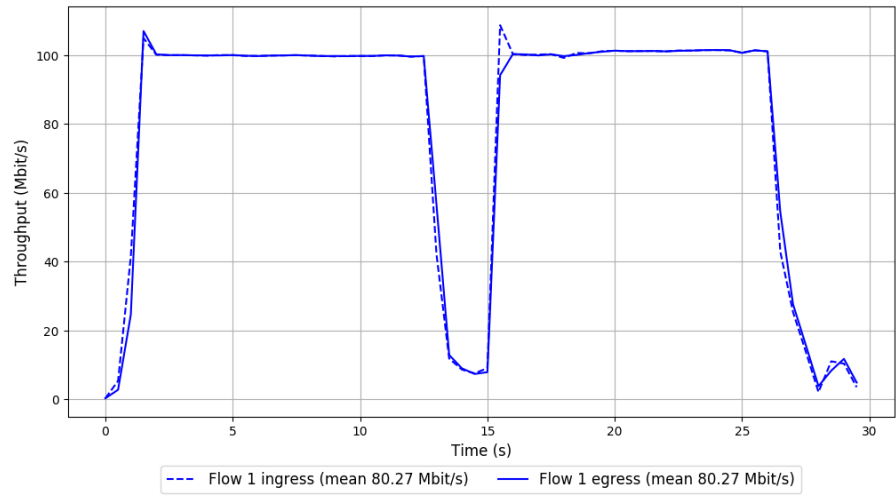## Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-09-17 13:26:44
End at: 2017-09-17 13:27:14
Local clock offset: -10.068 ms
Remote clock offset: -2.985 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.27 Mbit/s
95th percentile per-packet one-way delay: 86.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.27 Mbit/s
95th percentile per-packet one-way delay: 86.271 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-09-17 13:47:09
End at: 2017-09-17 13:47:39
Local clock offset: -9.707 ms
Remote clock offset: -3.184 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 86.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 86.281 ms
Loss rate: 0.00%
```
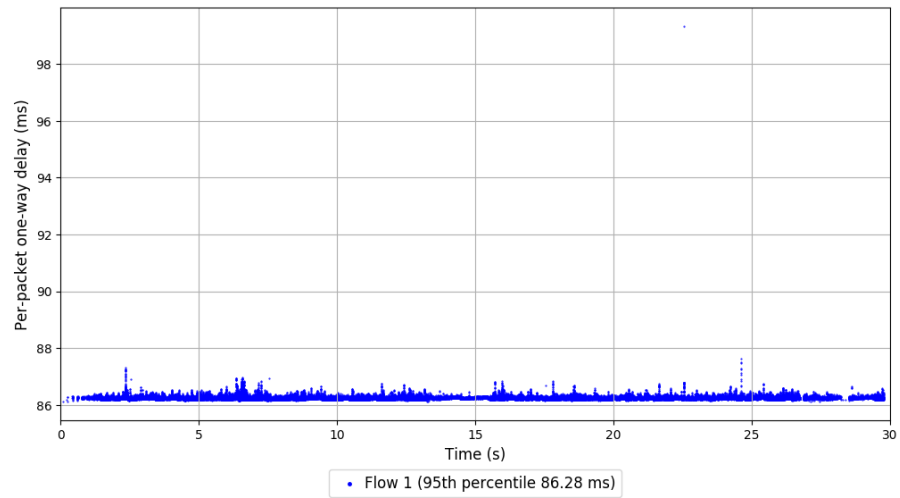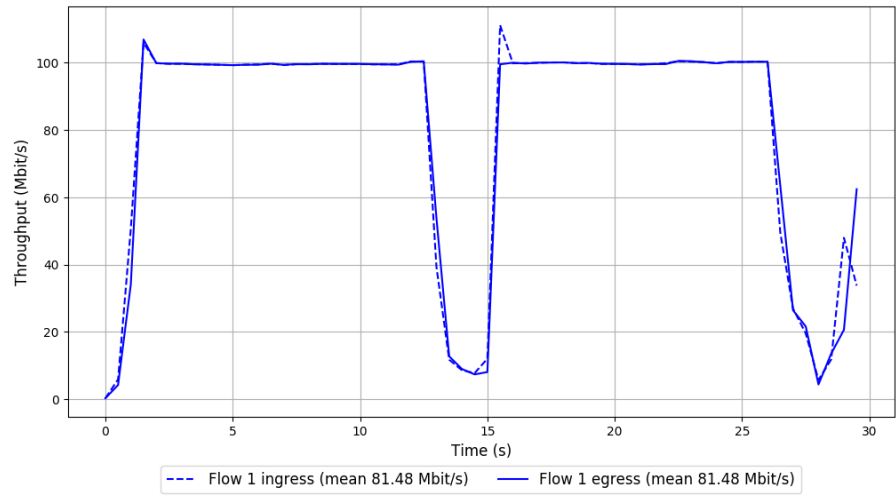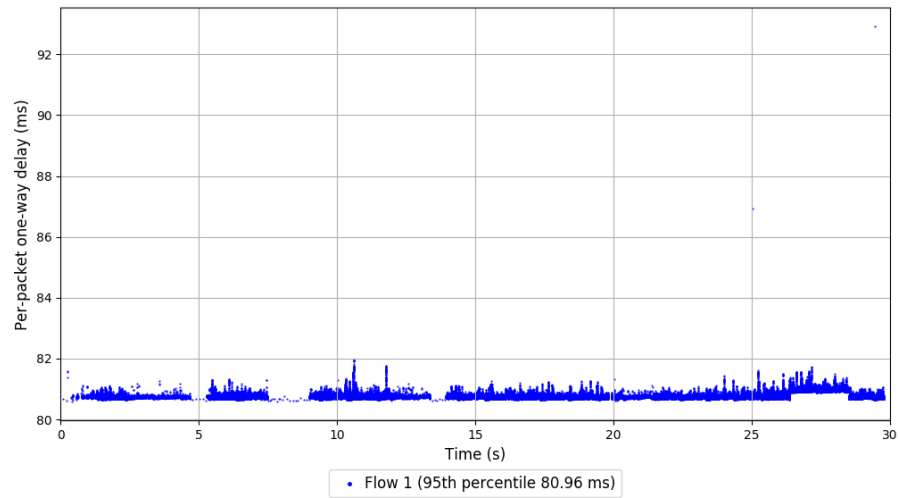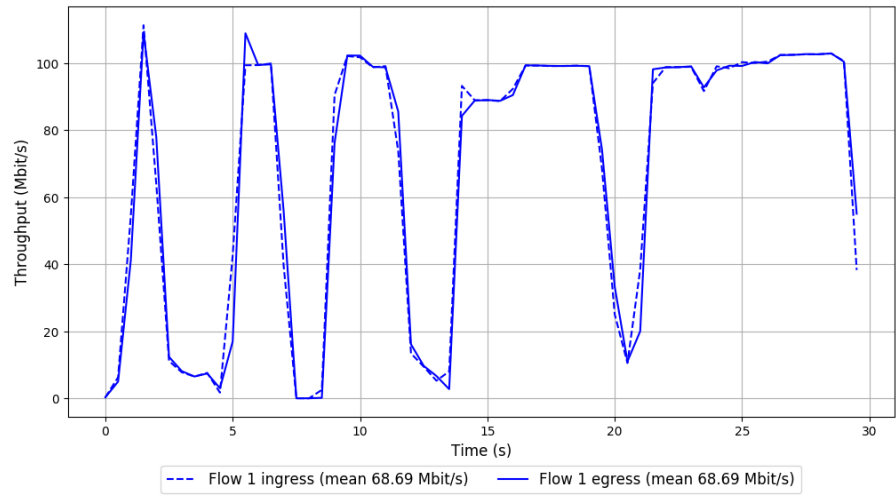
Run 5: Report of QUIC Cubic — Data Link

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-09-17 14:07:41
End at: 2017-09-17 14:08:11
Local clock offset: -9.597 ms
Remote clock offset: -8.284 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.69 Mbit/s
95th percentile per-packet one-way delay: 80.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.69 Mbit/s
95th percentile per-packet one-way delay: 80.959 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 68.69 Mbit/s)   Flow 1 egress (mean 68.69 Mbit/s)

Flow 1 (95th percentile 80.96 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-09-17 14:28:33
End at: 2017-09-17 14:29:03
Local clock offset: -9.376 ms
Remote clock offset: -2.994 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.10 Mbit/s
95th percentile per-packet one-way delay: 86.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.10 Mbit/s
95th percentile per-packet one-way delay: 86.795 ms
Loss rate: 0.00%
```
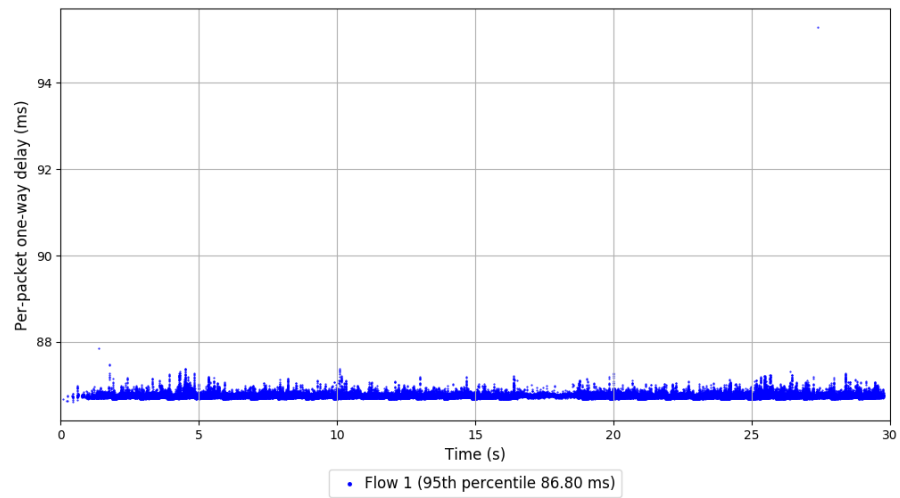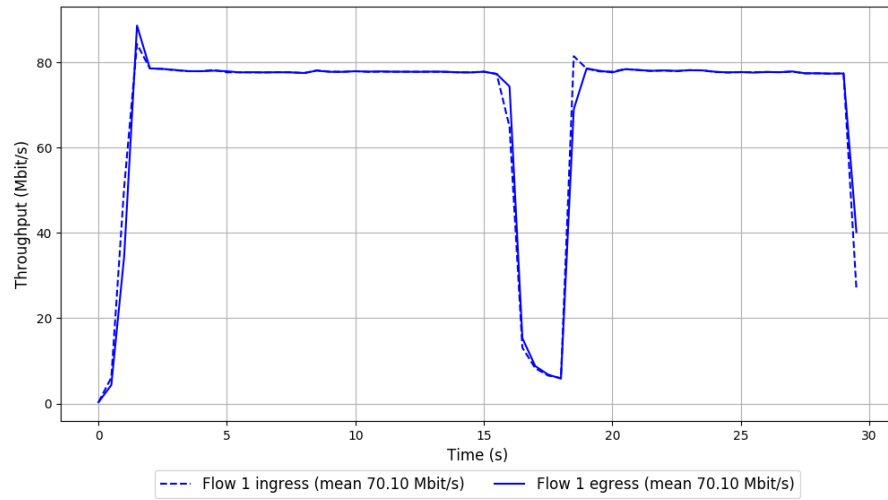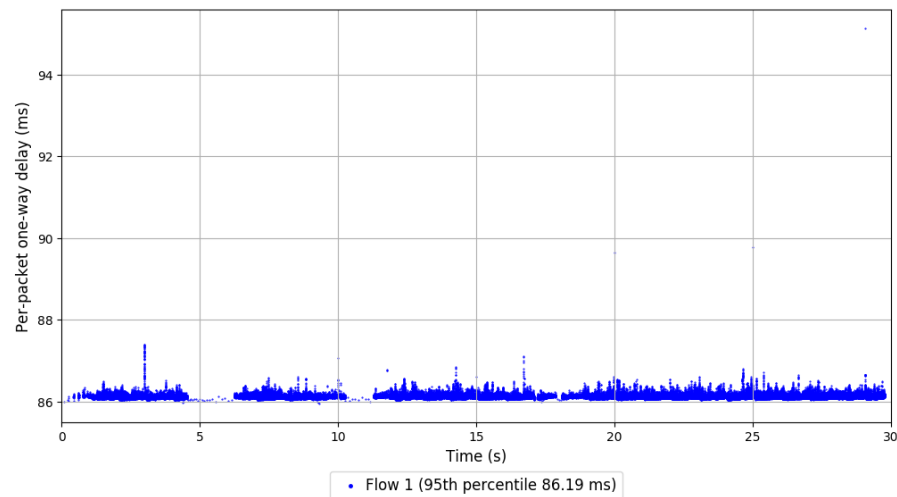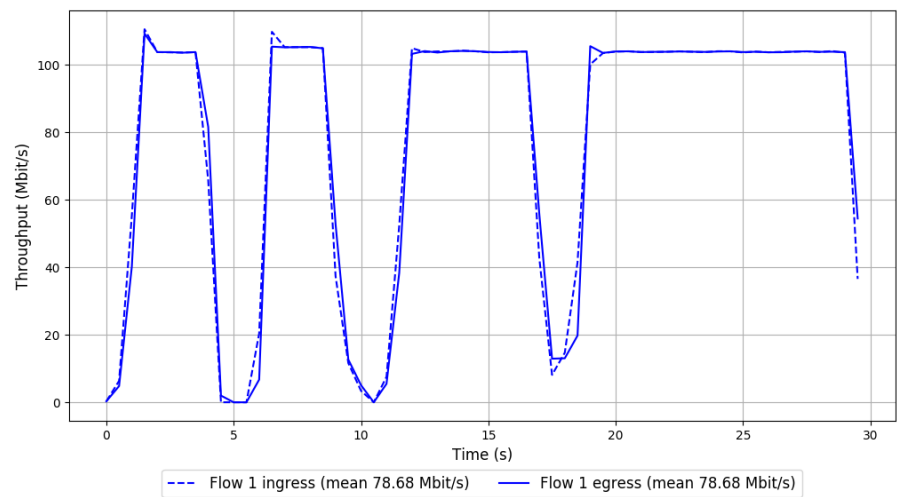
Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-09-17 14:48:51
End at: 2017-09-17 14:49:21
Local clock offset: -9.066 ms
Remote clock offset: -3.271 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.68 Mbit/s
95th percentile per-packet one-way delay: 86.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.68 Mbit/s
95th percentile per-packet one-way delay: 86.185 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-09-17 15:09:14
End at: 2017-09-17 15:09:44
Local clock offset: -8.902 ms
Remote clock offset: -8.355 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 81.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 81.516 ms
Loss rate: 0.00%
```
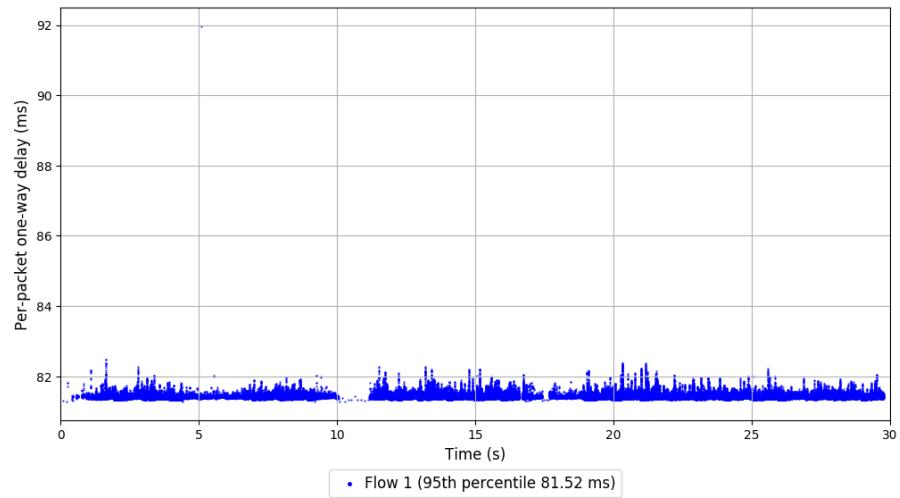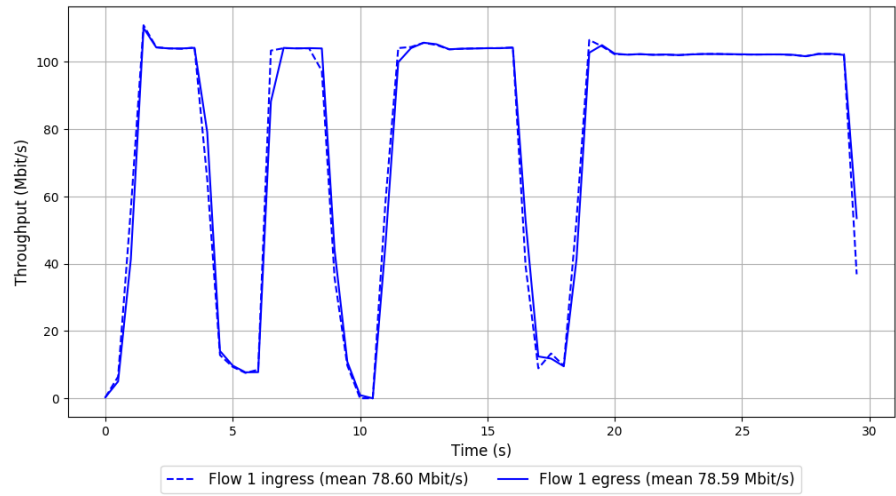
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 78.60 Mbit/s)   Flow 1 egress (mean 78.59 Mbit/s)

• Flow 1 (95th percentile 81.52 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-09-17 15:30:27
End at: 2017-09-17 15:30:57
Local clock offset: -8.692 ms
Remote clock offset: -2.657 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 87.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 87.480 ms
Loss rate: 0.00%
```
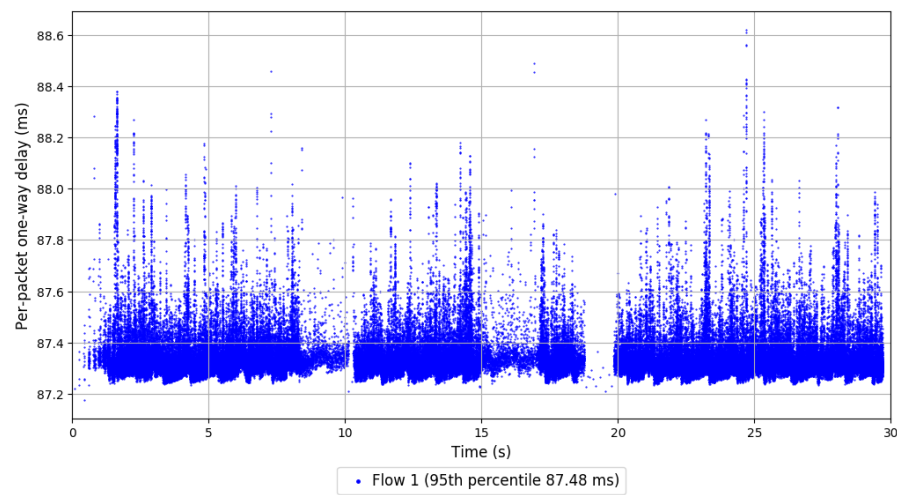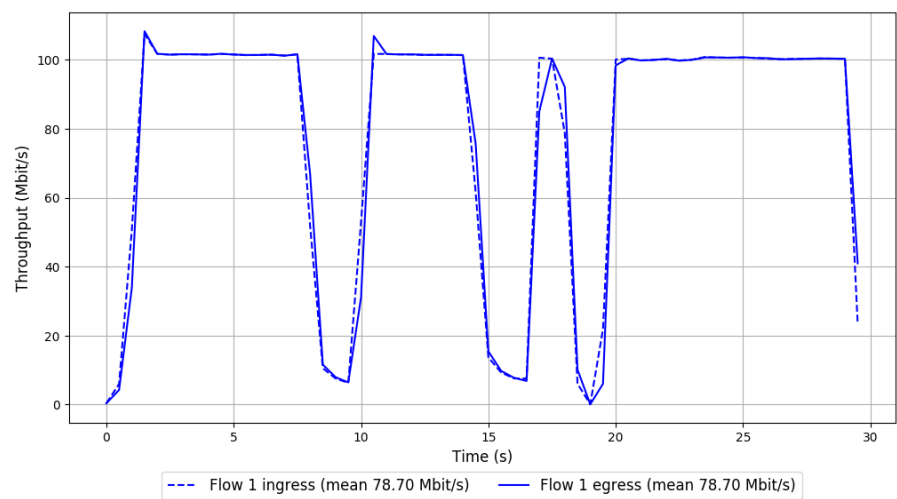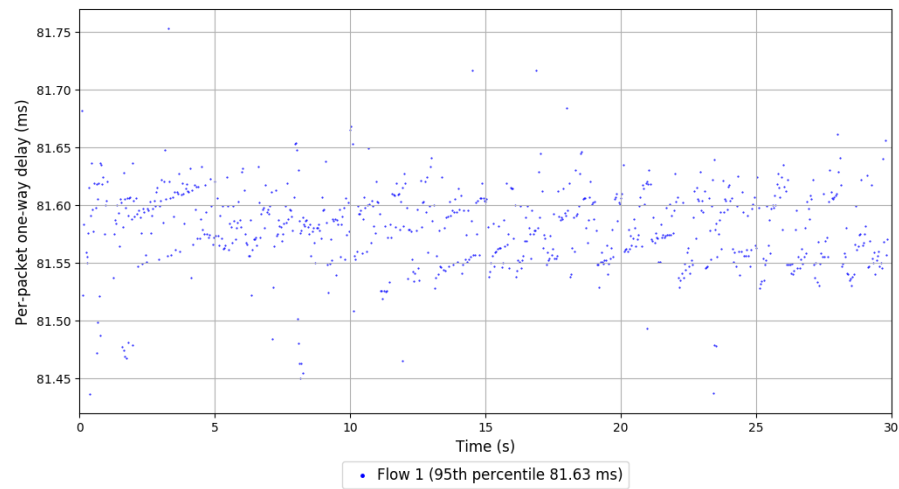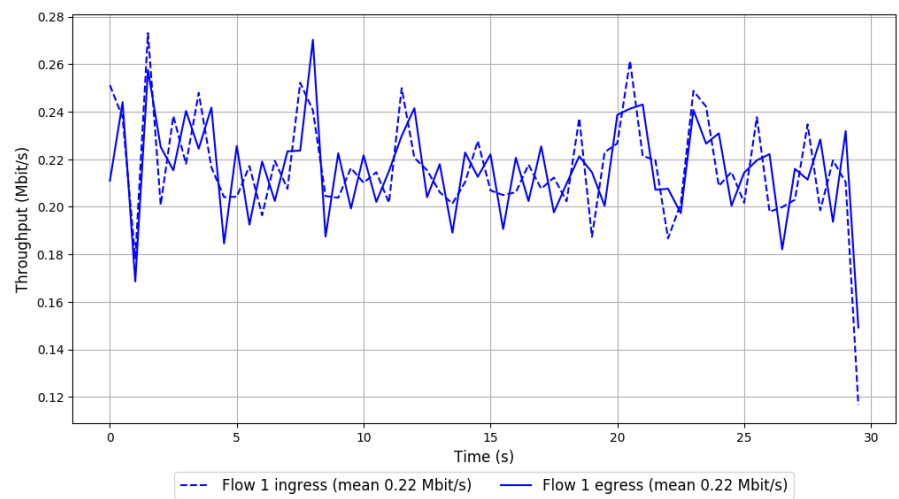
Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2017-09-17 12:34:43
End at: 2017-09-17 12:35:13
Local clock offset: -10.116 ms
Remote clock offset: -8.094 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.629 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

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

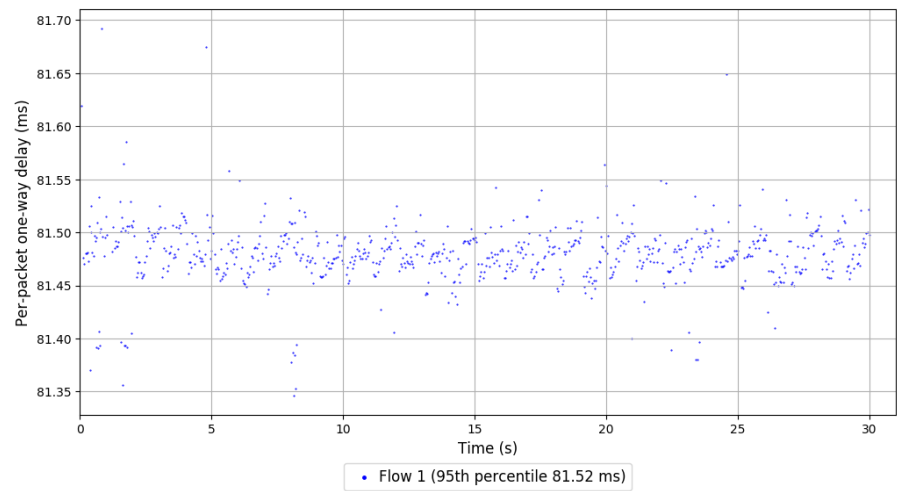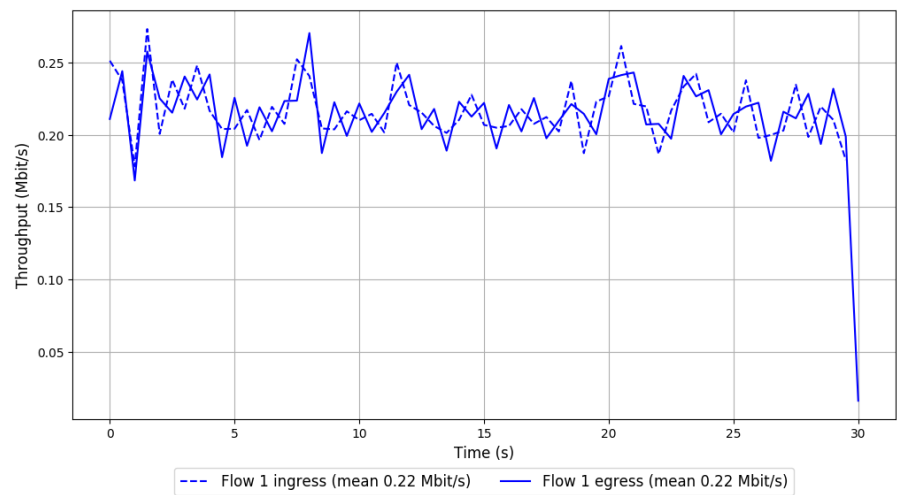Flow 1 (95th percentile 81.63 ms)

```
Run 2: Statistics of SCReAM

Start at: 2017-09-17 12:54:17
End at: 2017-09-17 12:54:47
Local clock offset: -10.23 ms
Remote clock offset: -8.171 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.517 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

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

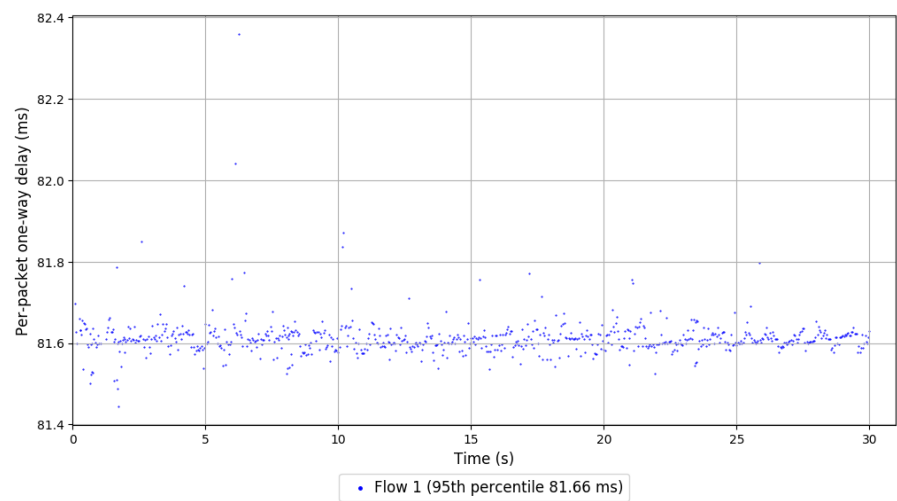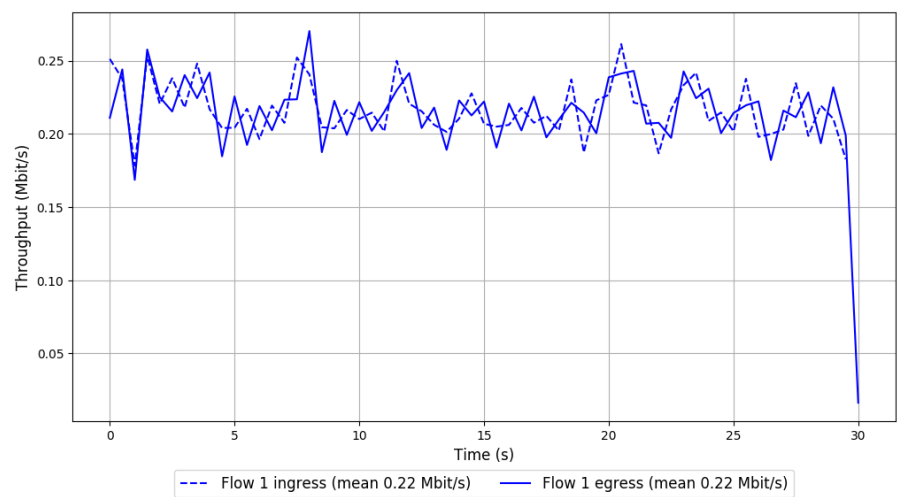Flow 1 (95th percentile 81.52 ms)

```
Run 3: Statistics of SCReAM

Start at: 2017-09-17 13:13:55
End at: 2017-09-17 13:14:25
Local clock offset: -10.139 ms
Remote clock offset: -7.938 ms

# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.656 ms
Loss rate: 0.00%
```

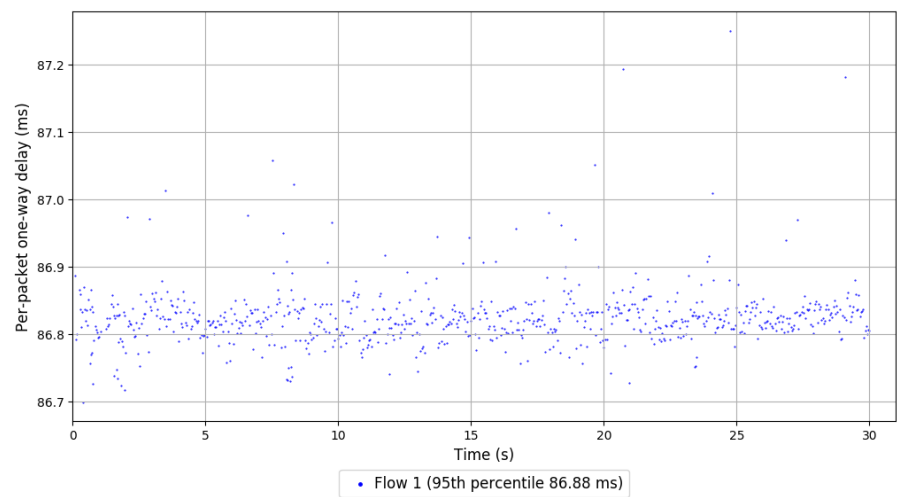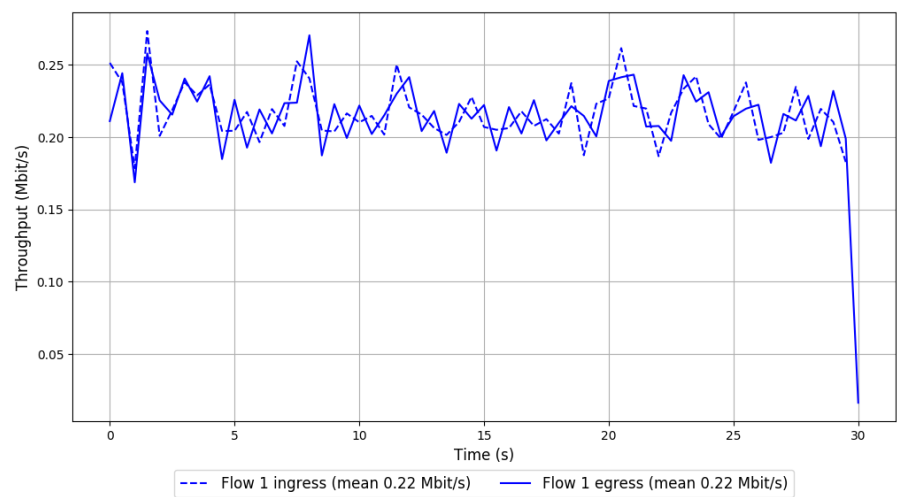Run 3: Report of SCReAM — Data Link

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```
Run 4: Statistics of SCReAM

Start at: 2017-09-17 13:33:58
End at: 2017-09-17 13:34:28
Local clock offset: -9.887 ms
Remote clock offset: -2.586 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.883 ms
Loss rate: 0.00%
```

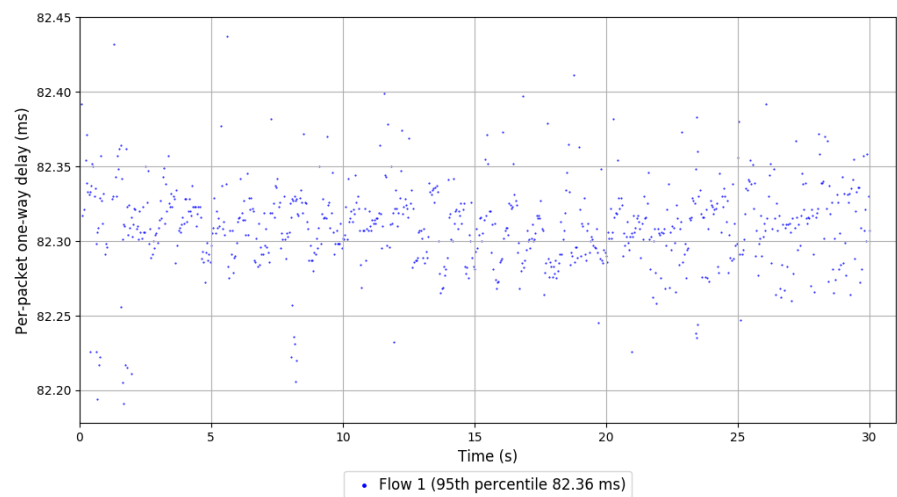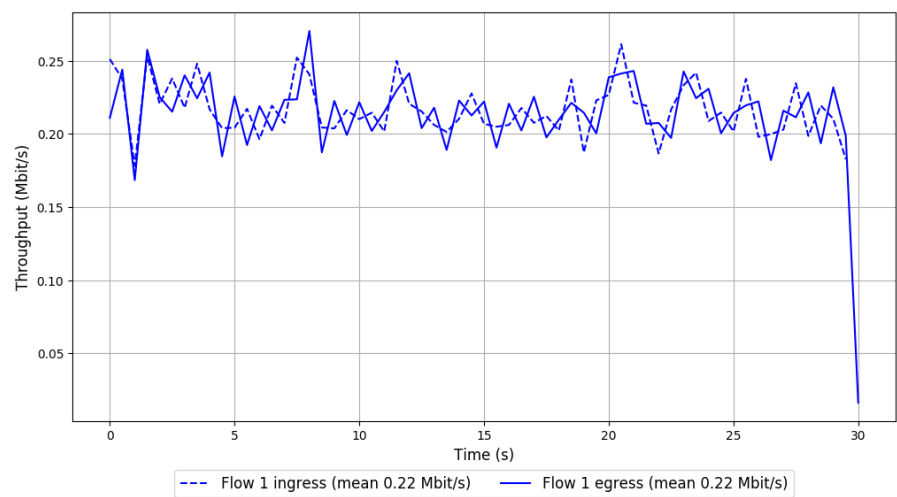Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2017-09-17 13:54:21
End at: 2017-09-17 13:54:51
Local clock offset: -9.624 ms
Remote clock offset: -7.598 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.357 ms
Loss rate: 0.00%
```

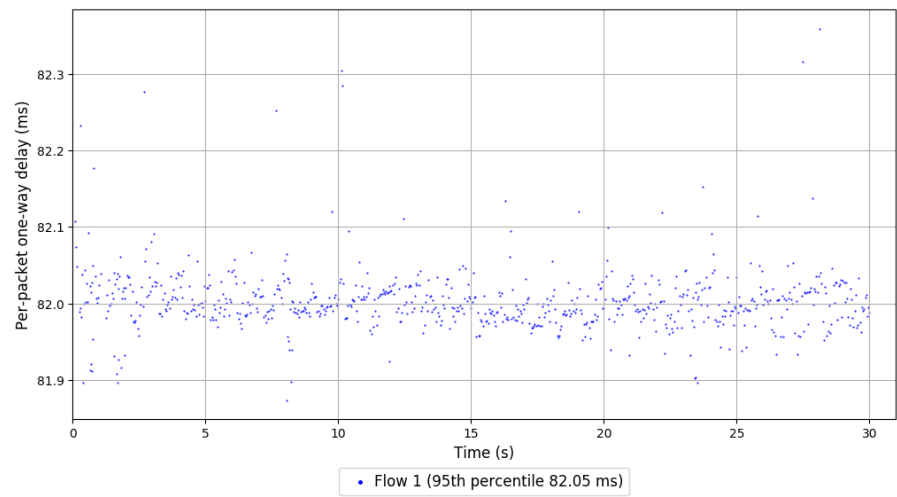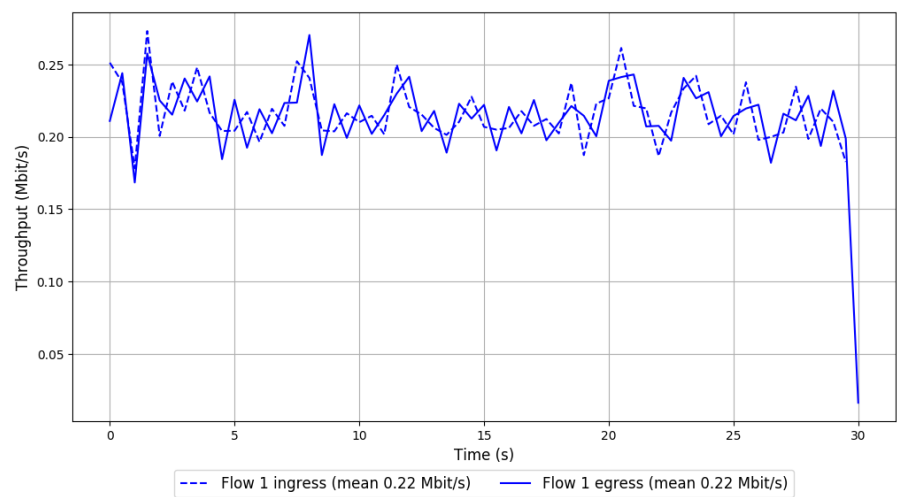Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2017-09-17 14:15:17
End at: 2017-09-17 14:15:47
Local clock offset: -9.448 ms
Remote clock offset: -7.965 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.054 ms
Loss rate: 0.00%
```
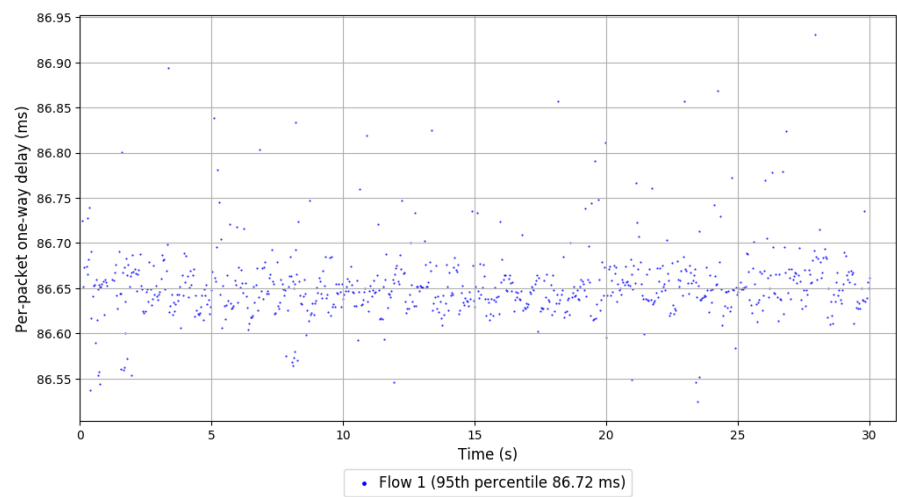
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 82.05 ms)

```
Run 7: Statistics of SCReAM

Start at: 2017-09-17 14:35:33
End at: 2017-09-17 14:36:03
Local clock offset: -9.369 ms
Remote clock offset: -3.22 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.724 ms
Loss rate: 0.00%
```
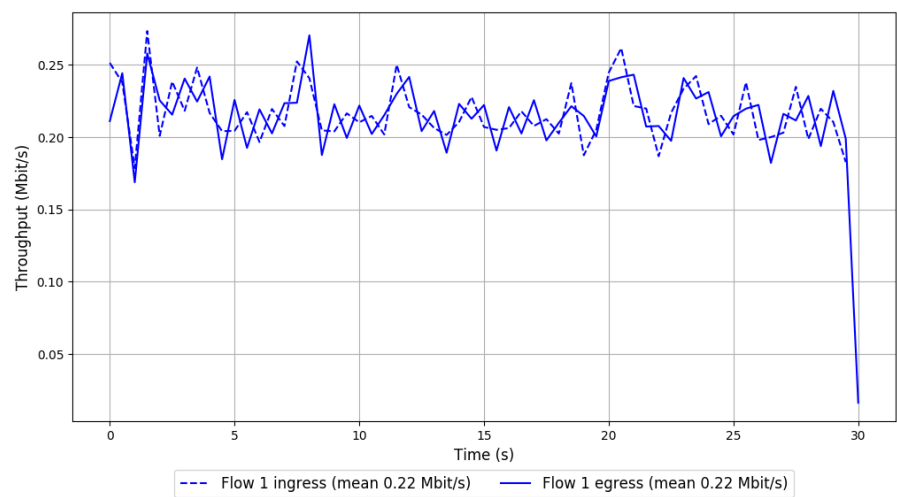
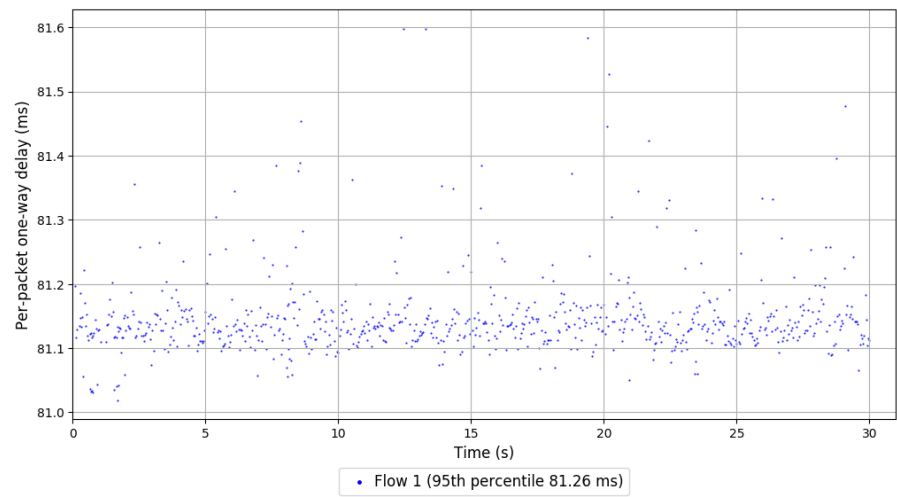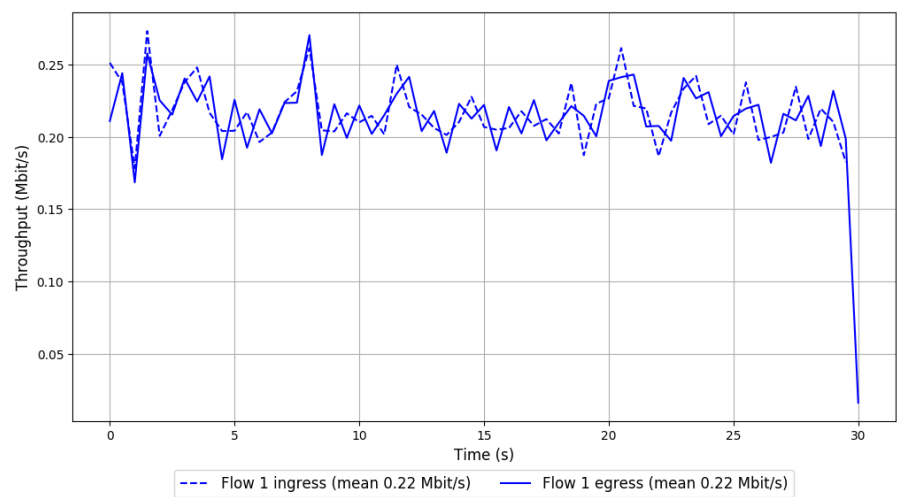# Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2017-09-17 14:55:58
End at: 2017-09-17 14:56:28
Local clock offset: -9.059 ms
Remote clock offset: -8.353 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.257 ms
Loss rate: 0.00%
```

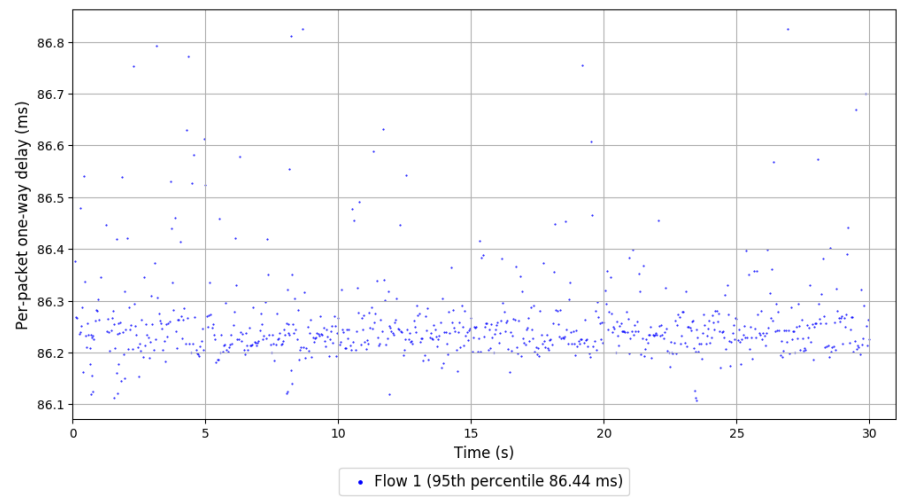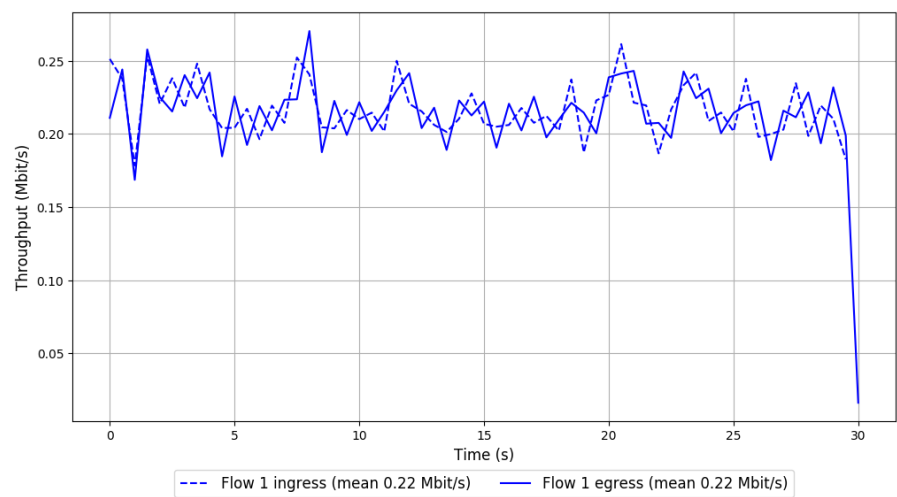Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2017-09-17 15:16:47
End at: 2017-09-17 15:17:17
Local clock offset: -8.873 ms
Remote clock offset: -3.022 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.440 ms
Loss rate: 0.00%
```
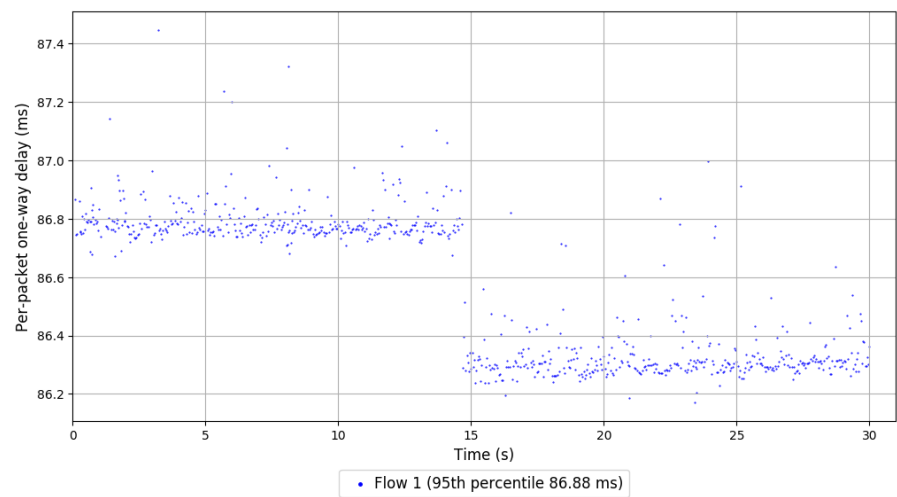
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2017-09-17 15:38:00
End at: 2017-09-17 15:38:30
Local clock offset: -8.63 ms
Remote clock offset: -2.823 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.880 ms
Loss rate: 0.00%
```
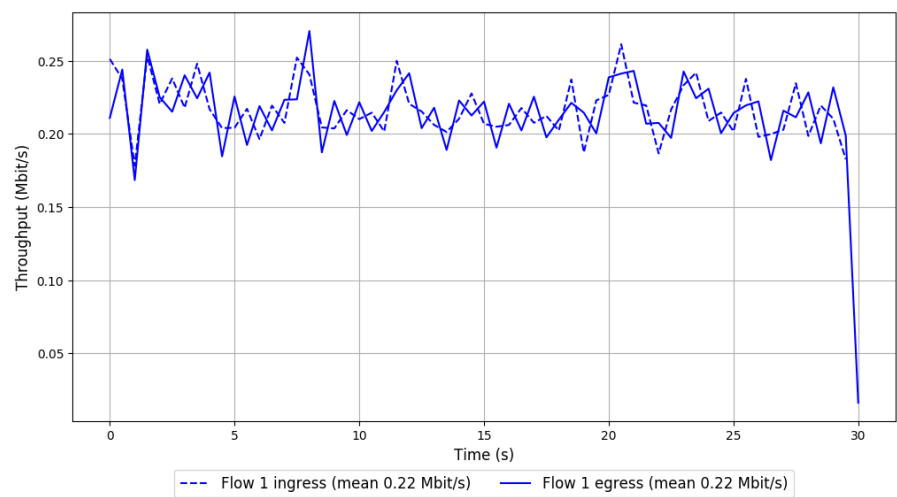
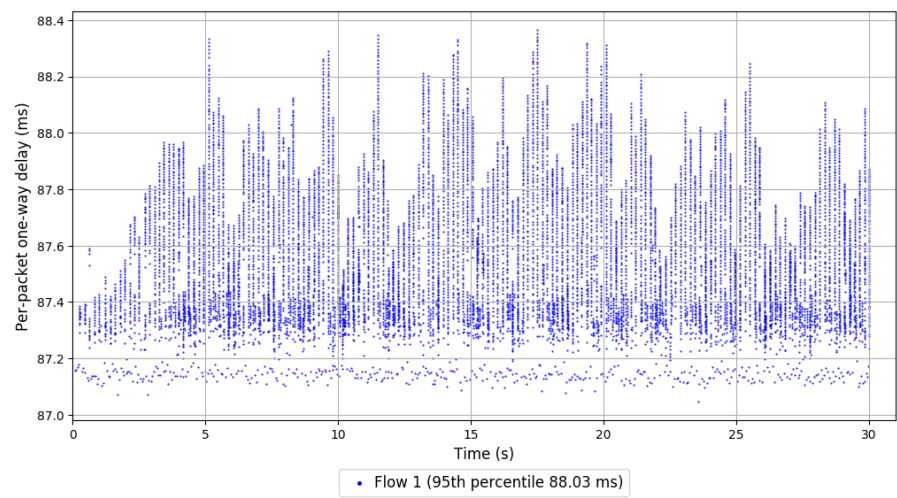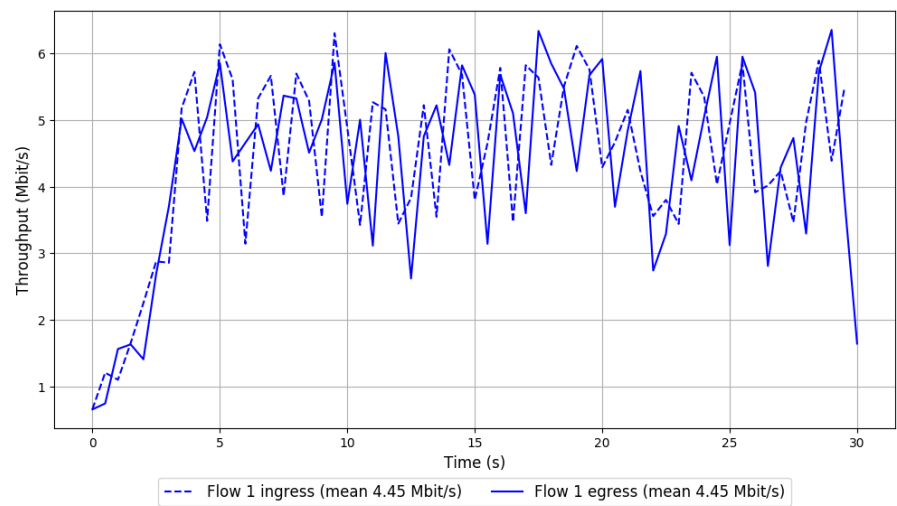Run 10: Report of SCReAM — Data Link

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```
Run 1: Statistics of Sprout

Start at: 2017-09-17 12:25:36
End at: 2017-09-17 12:26:06
Local clock offset: -10.028 ms
Remote clock offset: -2.928 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 88.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 88.029 ms
Loss rate: 0.00%
```

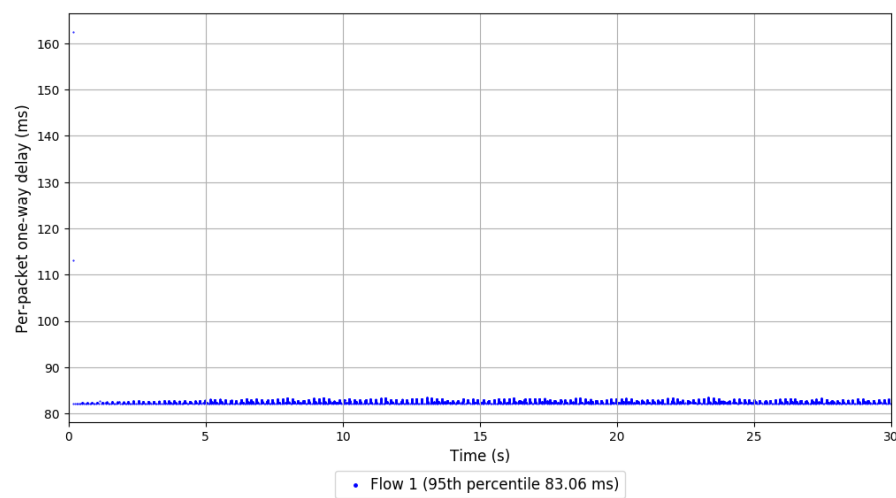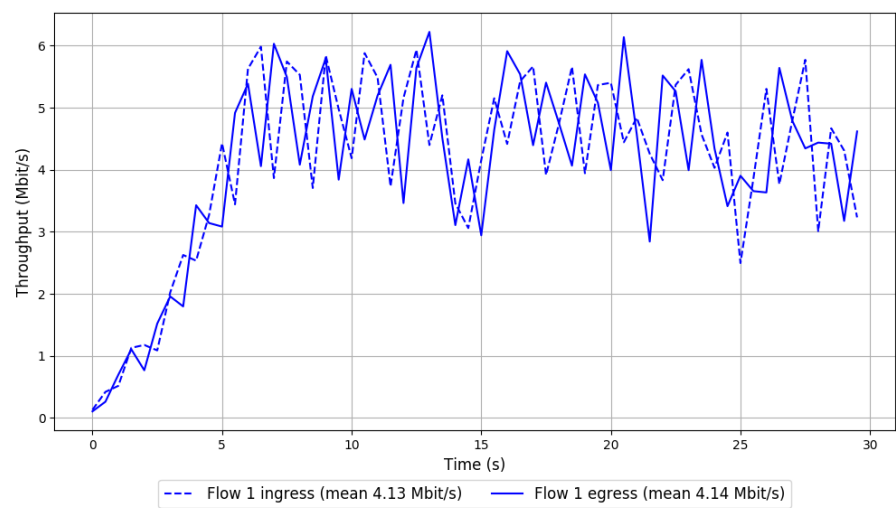Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2017-09-17 12:44:59
End at: 2017-09-17 12:45:29
Local clock offset: -10.192 ms
Remote clock offset: -7.829 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 83.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 83.059 ms
Loss rate: 0.00%
```

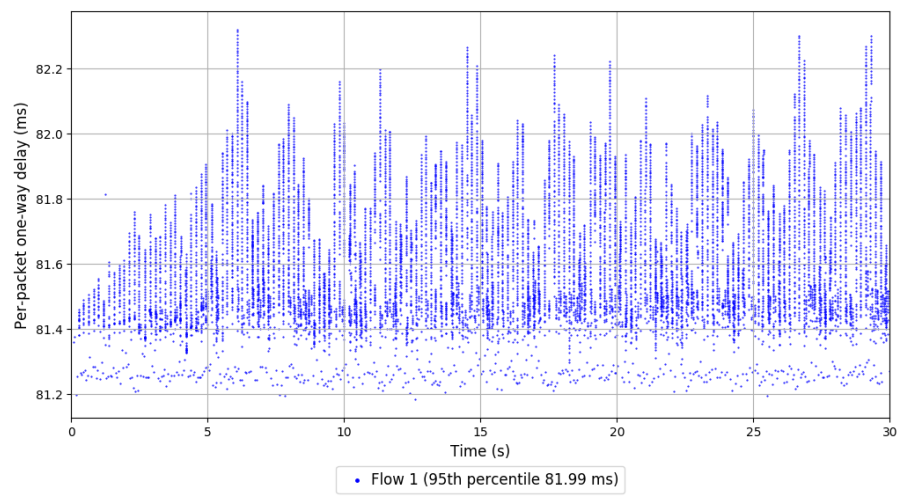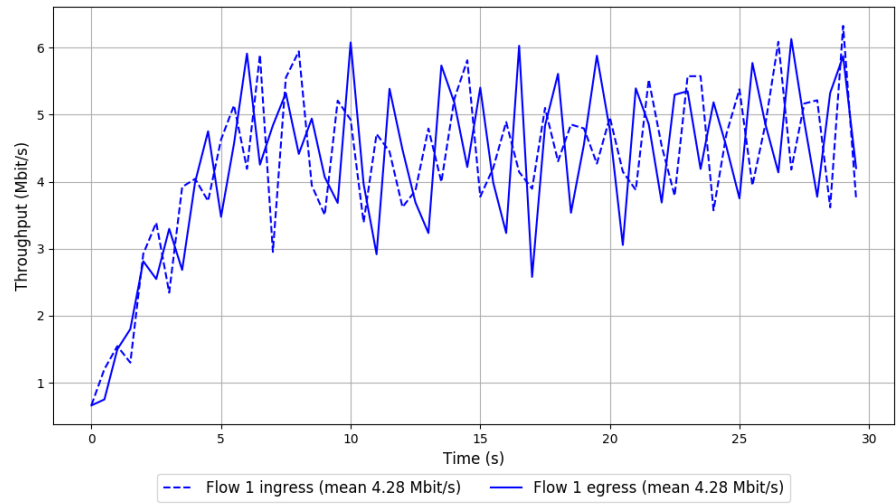## Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2017-09-17 13:04:38
End at: 2017-09-17 13:05:08
Local clock offset: -10.182 ms
Remote clock offset: -8.054 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 81.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 81.990 ms
Loss rate: 0.00%
```

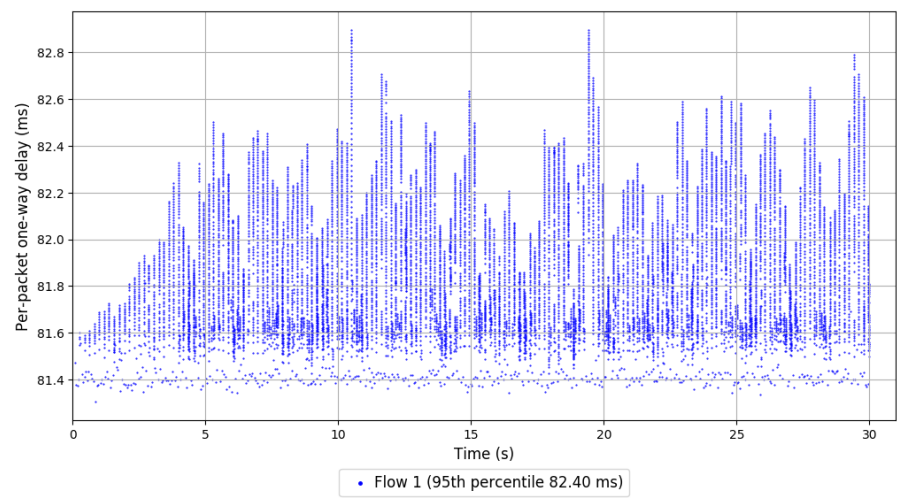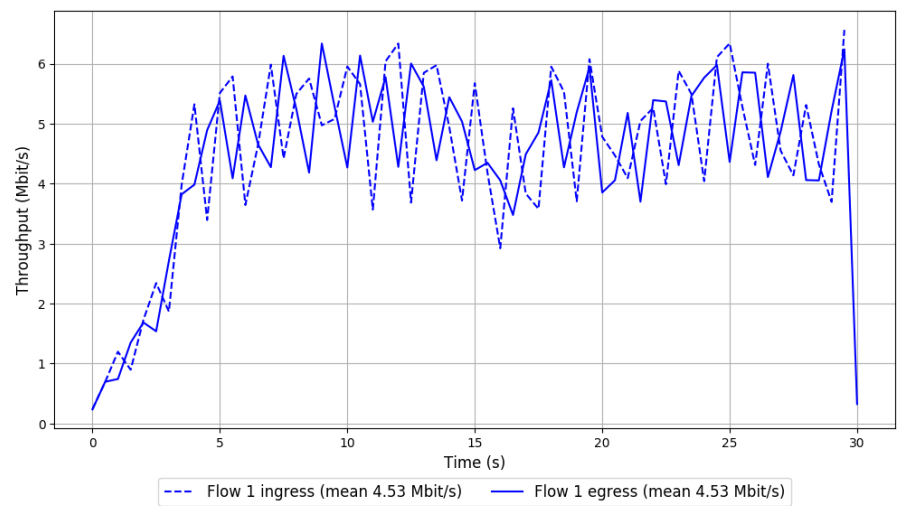Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: 2017-09-17 13:24:10
End at: 2017-09-17 13:24:40
Local clock offset: -10.017 ms
Remote clock offset: -7.677 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 82.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 82.397 ms
Loss rate: 0.00%
```

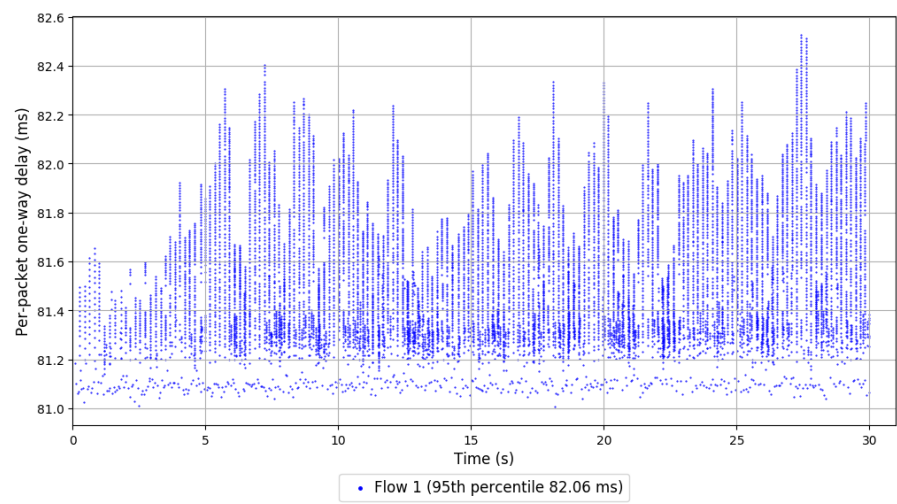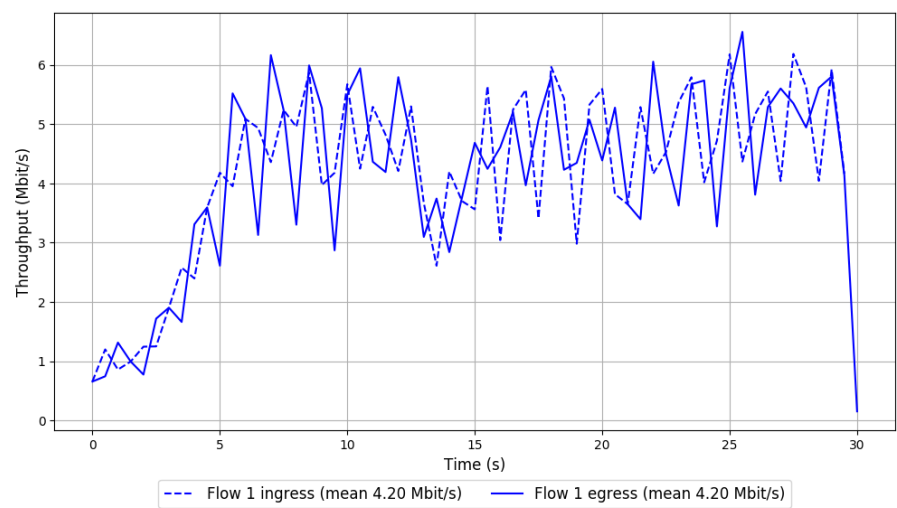Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2017-09-17 13:44:32
End at: 2017-09-17 13:45:02
Local clock offset: -9.758 ms
Remote clock offset: -8.082 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 82.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 82.056 ms
Loss rate: 0.00%
```

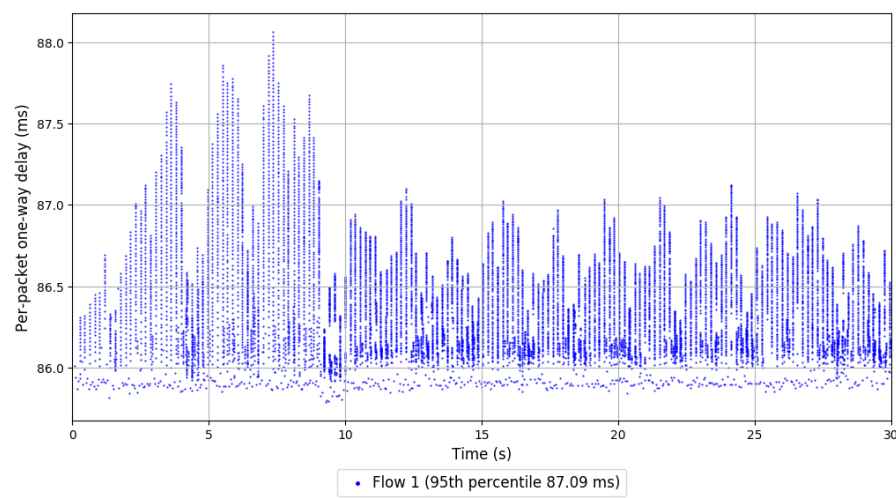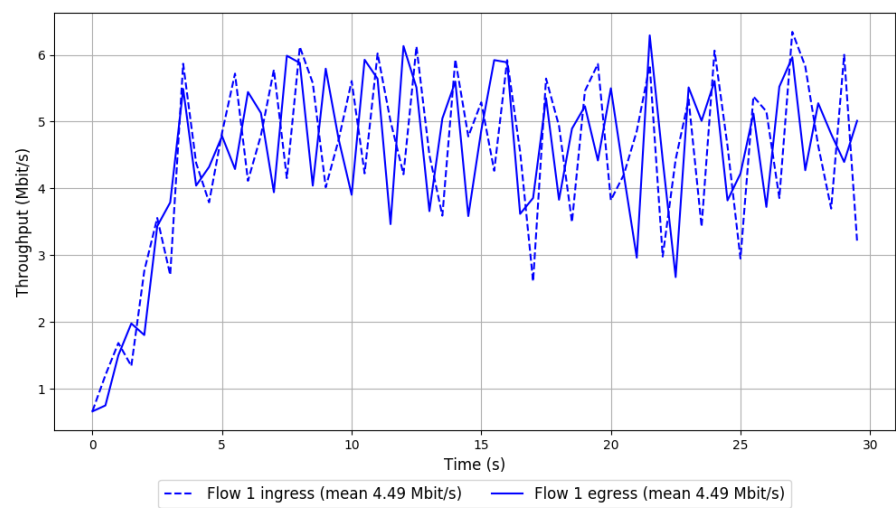Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2017-09-17 14:05:01
End at: 2017-09-17 14:05:32
Local clock offset: -9.517 ms
Remote clock offset: -3.419 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 87.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 87.090 ms
Loss rate: 0.00%
```

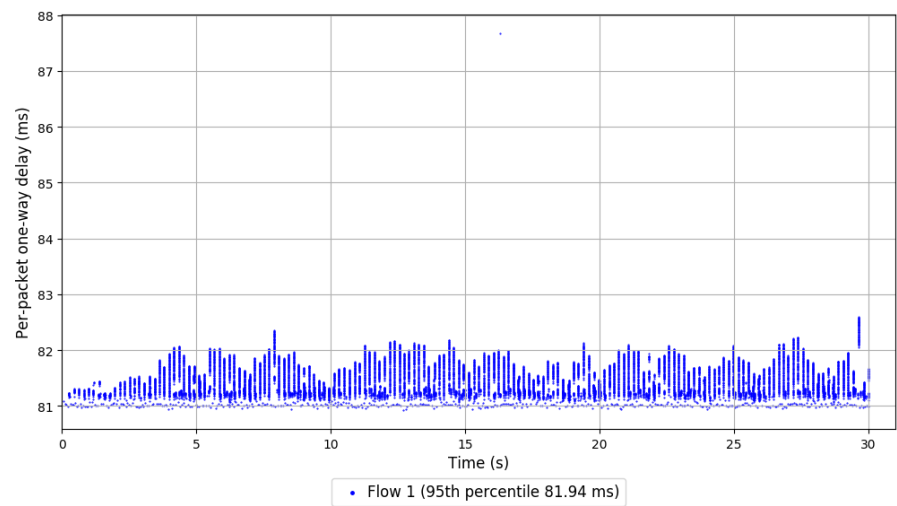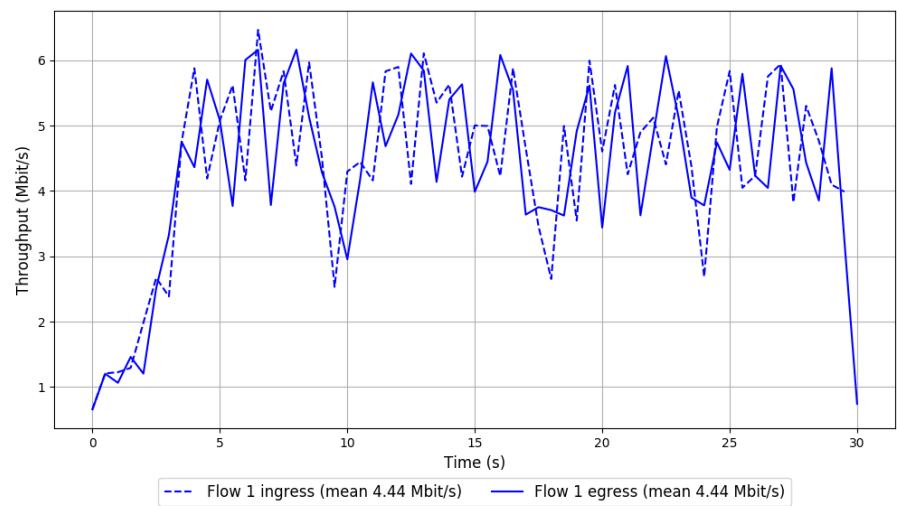Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2017-09-17 14:25:56
End at: 2017-09-17 14:26:26
Local clock offset: -9.386 ms
Remote clock offset: -8.086 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 81.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 81.937 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 4.44 Mbit/s) —— Flow 1 egress (mean 4.44 Mbit/s)

• Flow 1 (95th percentile 81.94 ms)

```
Run 8: Statistics of Sprout

Start at: 2017-09-17 14:46:06
End at: 2017-09-17 14:46:36
Local clock offset: -9.116 ms
Remote clock offset: -3.006 ms
```
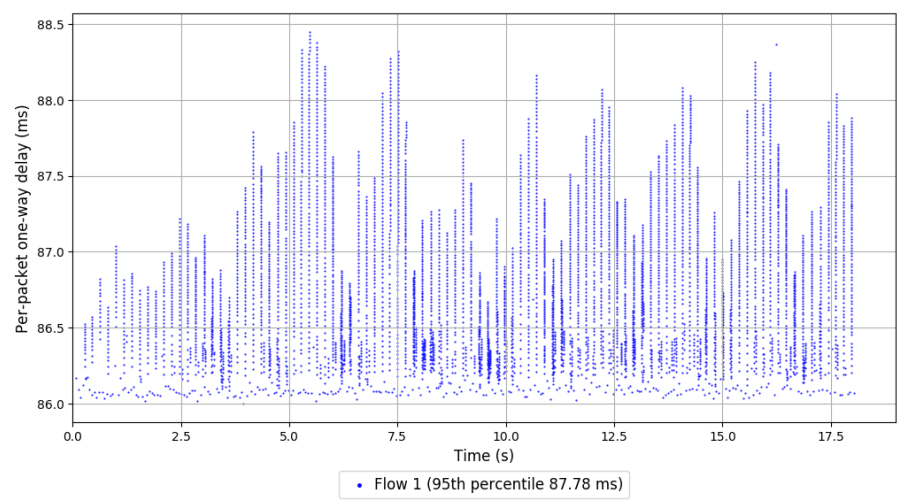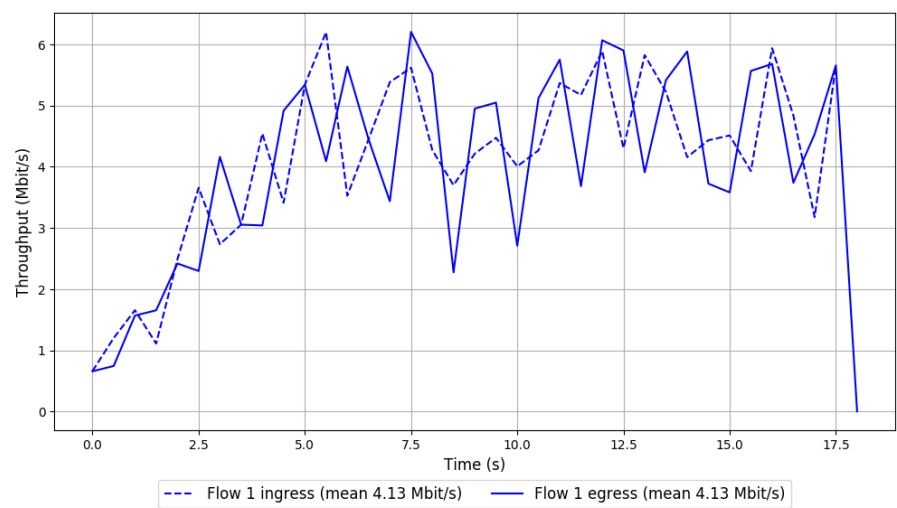
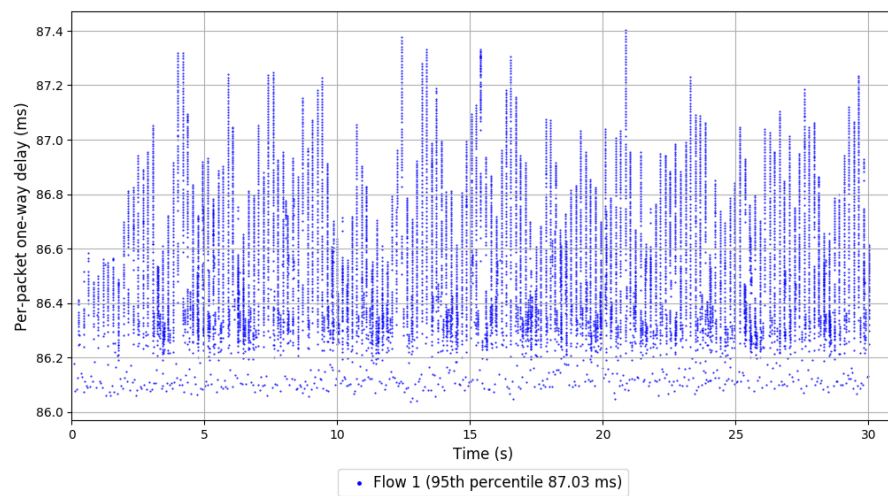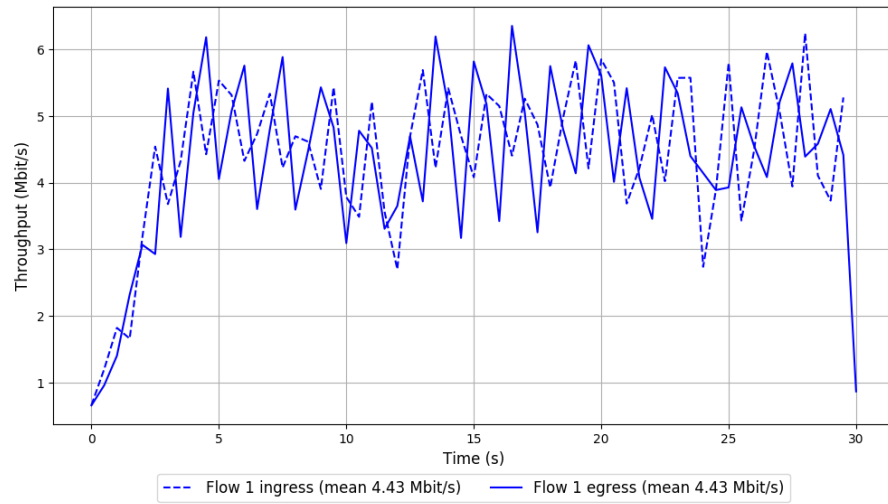Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2017-09-17 15:06:27
End at: 2017-09-17 15:06:57
Local clock offset: -8.83 ms
Remote clock offset: -3.154 ms


# Below is generated by plot.py at 2017-09-17 17:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 87.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 87.027 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 4.43 Mbit/s) --- Flow 1 egress (mean 4.43 Mbit/s)

• Flow 1 (95th percentile 87.03 ms)

```
Run 10: Statistics of Sprout

Start at: 2017-09-17 15:27:29
End at: 2017-09-17 15:27:59
Local clock offset: -8.689 ms
Remote clock offset: -3.137 ms
```
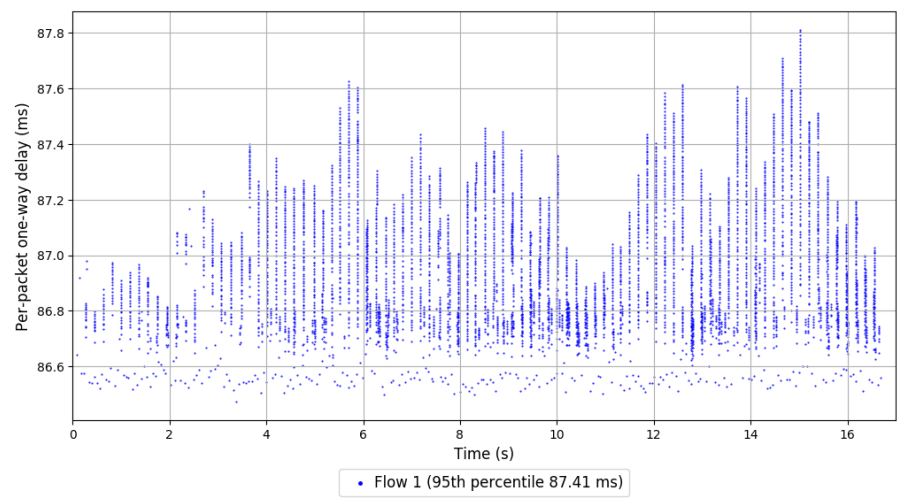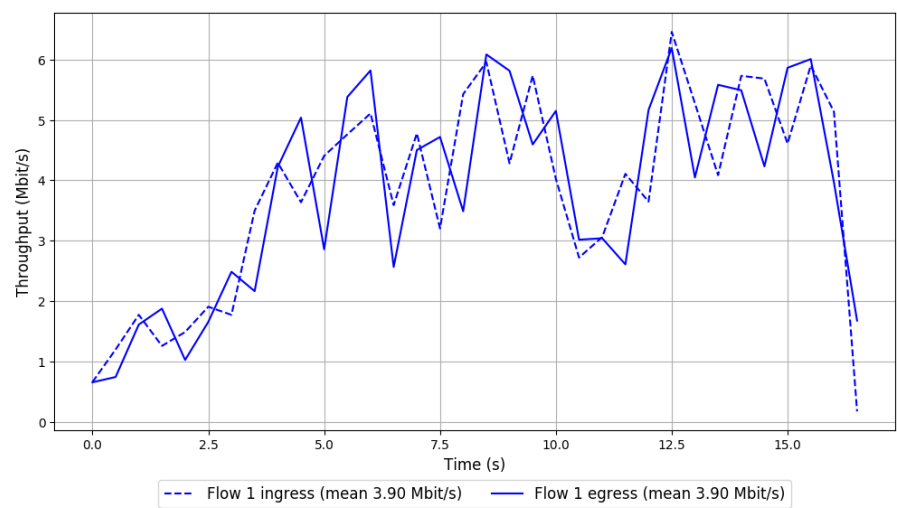
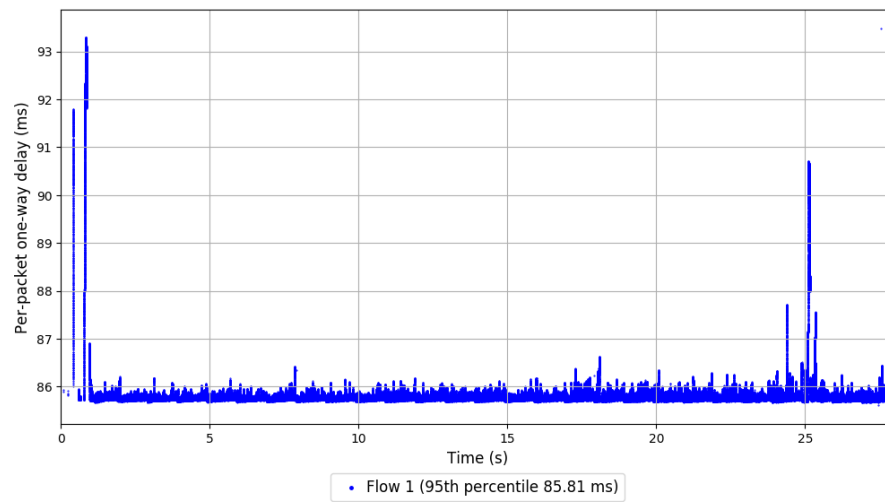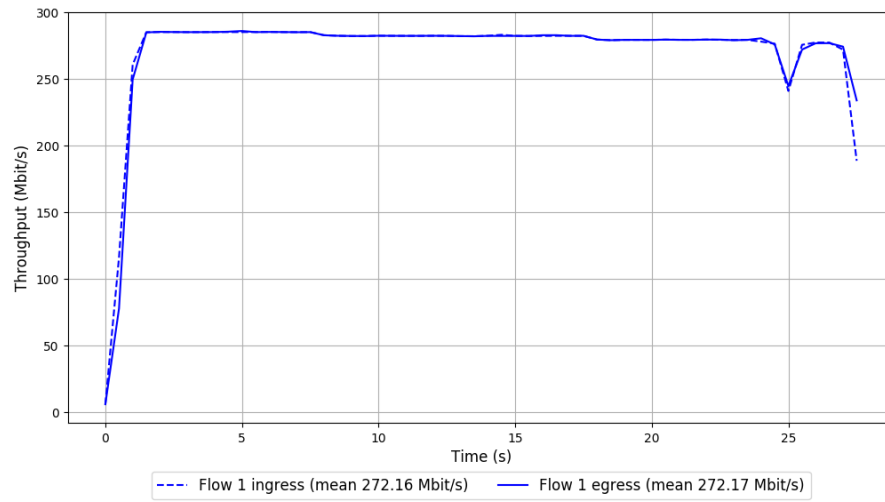Run 10: Report of Sprout — Data Link

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

Start at: 2017-09-17 12:35:52
End at: 2017-09-17 12:36:22
Local clock offset: -10.019 ms
Remote clock offset: -3.407 ms


# Below is generated by plot.py at 2017-09-17 17:14:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.17 Mbit/s
95th percentile per-packet one-way delay: 85.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.17 Mbit/s
95th percentile per-packet one-way delay: 85.814 ms
Loss rate: 0.00%
```

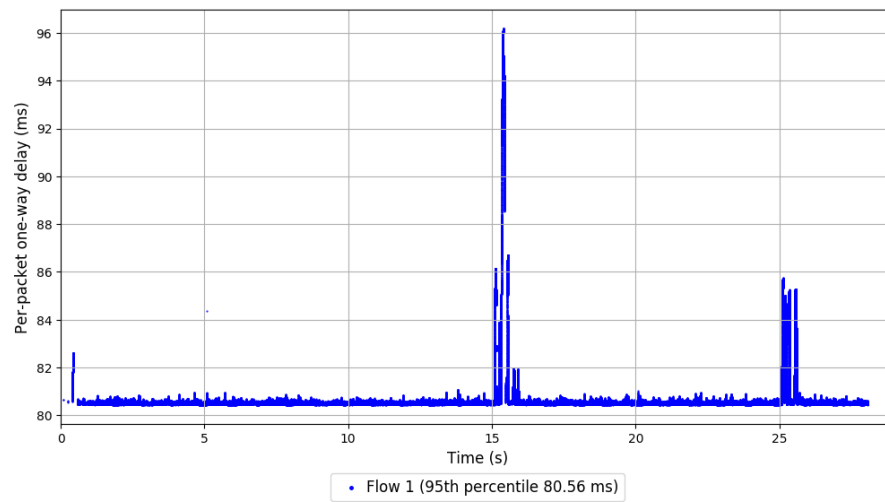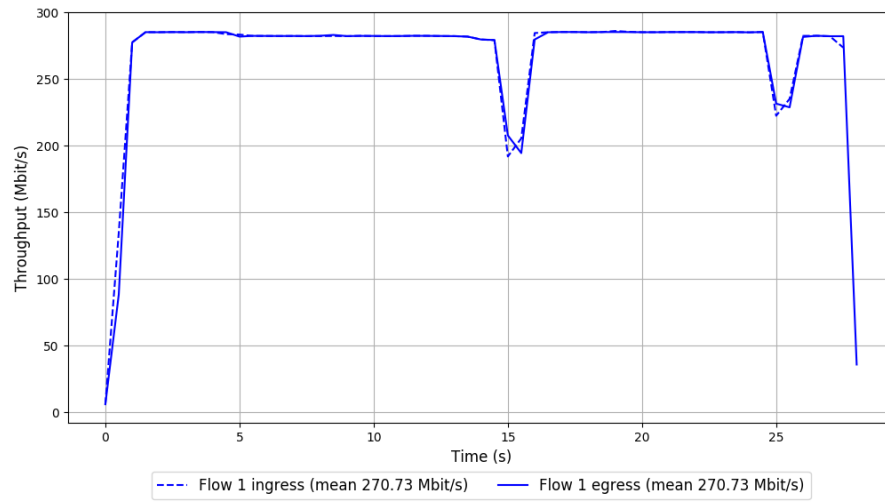## Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-17 12:55:27
End at: 2017-09-17 12:55:57
Local clock offset: -10.139 ms
Remote clock offset: -8.458 ms


# Below is generated by plot.py at 2017-09-17 17:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.73 Mbit/s
95th percentile per-packet one-way delay: 80.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.73 Mbit/s
95th percentile per-packet one-way delay: 80.563 ms
Loss rate: 0.00%
```

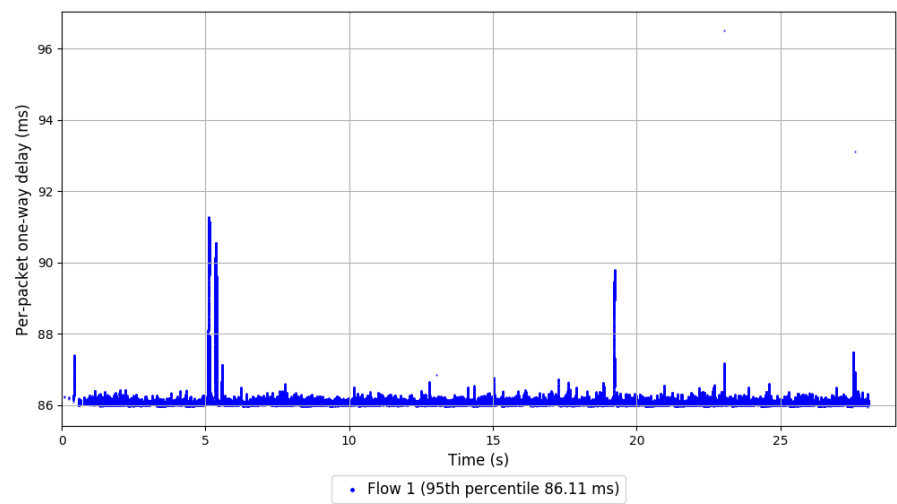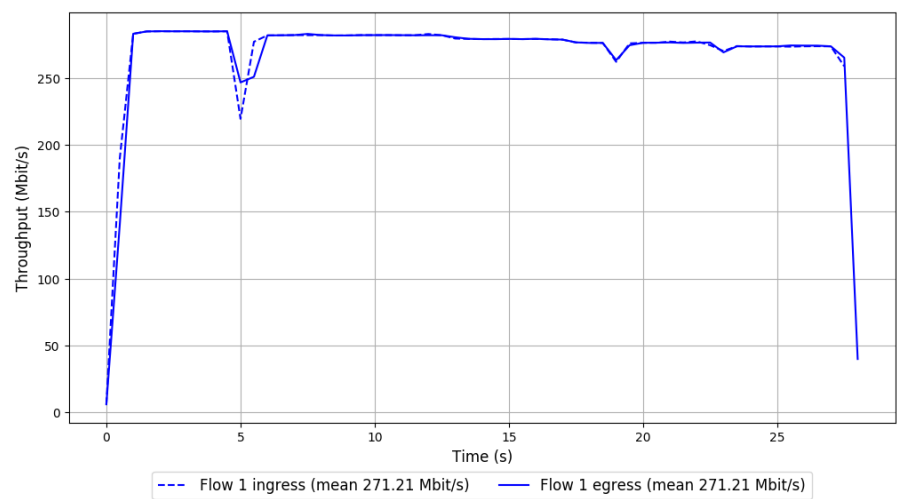Run 2: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-17 13:15:04
End at: 2017-09-17 13:15:34
Local clock offset: -10.133 ms
Remote clock offset: -3.384 ms


# Below is generated by plot.py at 2017-09-17 17:14:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.21 Mbit/s
95th percentile per-packet one-way delay: 86.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.21 Mbit/s
95th percentile per-packet one-way delay: 86.105 ms
Loss rate: 0.00%
```

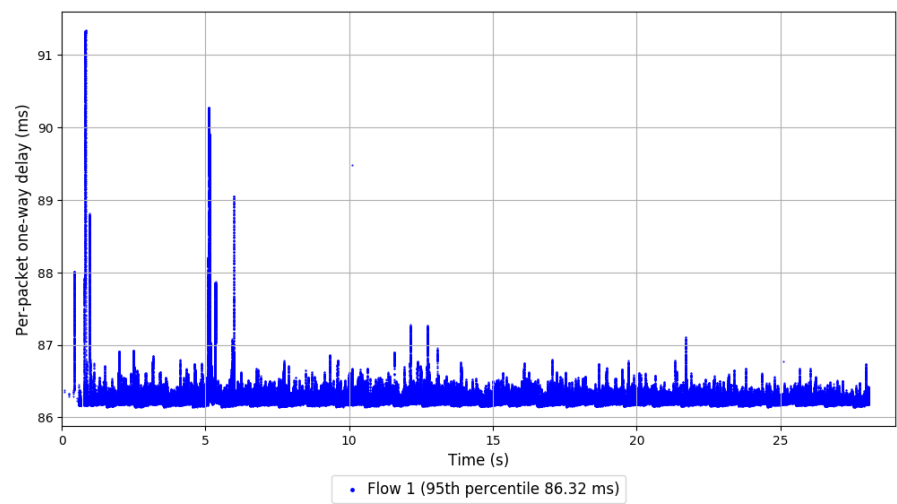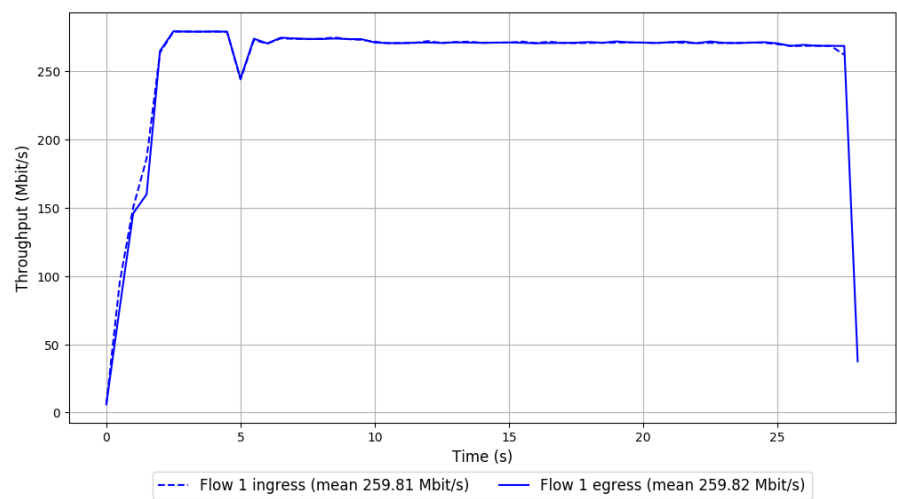# Run 3: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-17 13:35:07
End at: 2017-09-17 13:35:37
Local clock offset: -9.952 ms
Remote clock offset: -2.975 ms


# Below is generated by plot.py at 2017-09-17 17:14:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.82 Mbit/s
95th percentile per-packet one-way delay: 86.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 259.82 Mbit/s
95th percentile per-packet one-way delay: 86.323 ms
Loss rate: 0.00%
```

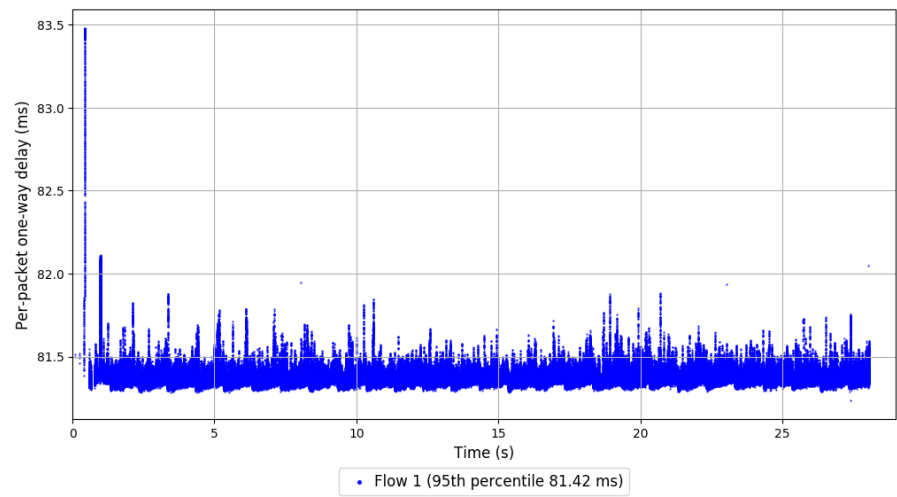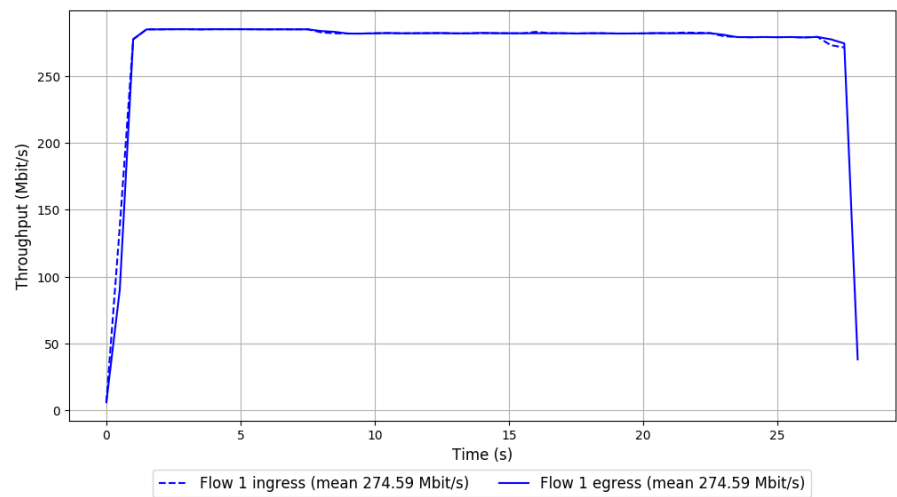Run 4: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-17 13:55:30
End at: 2017-09-17 13:56:00
Local clock offset: -9.612 ms
Remote clock offset: -8.045 ms


# Below is generated by plot.py at 2017-09-17 17:14:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.59 Mbit/s
95th percentile per-packet one-way delay: 81.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 274.59 Mbit/s
95th percentile per-packet one-way delay: 81.416 ms
Loss rate: 0.00%
```

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

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

Start at: 2017-09-17 14:16:26
End at: 2017-09-17 14:16:56
Local clock offset: -9.421 ms
Remote clock offset: -8.05 ms


# Below is generated by plot.py at 2017-09-17 17:14:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.06 Mbit/s
95th percentile per-packet one-way delay: 81.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 274.06 Mbit/s
95th percentile per-packet one-way delay: 81.442 ms
Loss rate: 0.00%
```
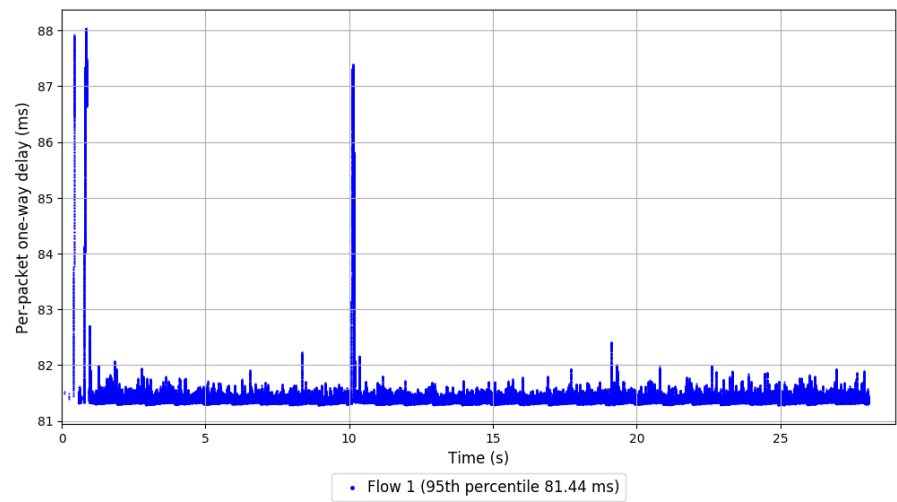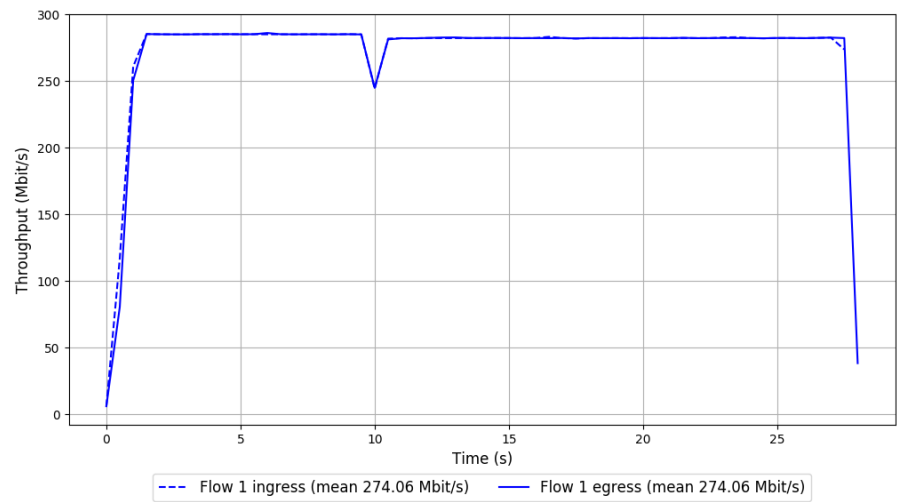
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 274.06 Mbit/s) --- Flow 1 egress (mean 274.06 Mbit/s)
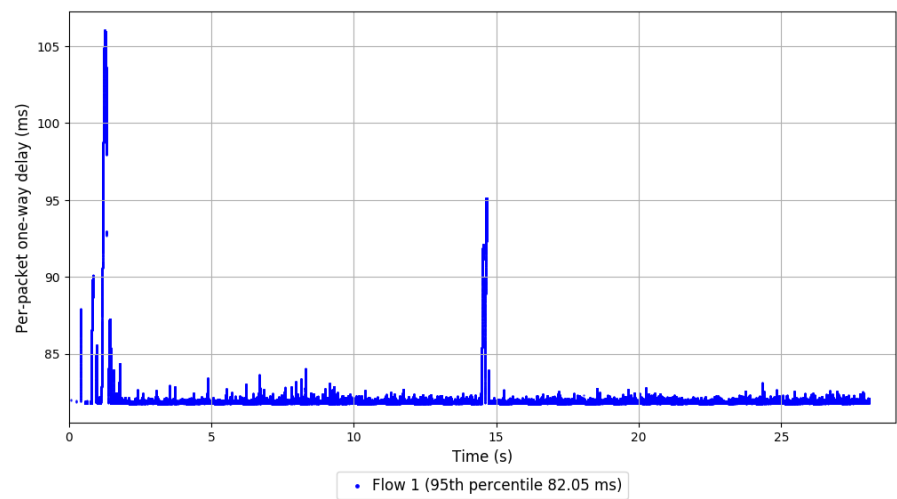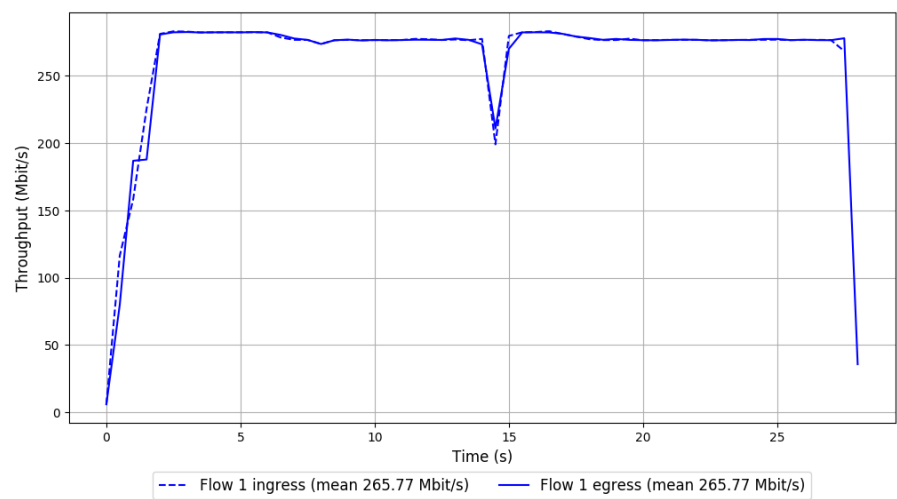

Flow 1 (95th percentile 81.44 ms)

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

Start at: 2017-09-17 14:36:42
End at: 2017-09-17 14:37:12
Local clock offset: -9.274 ms
Remote clock offset: -7.882 ms


# Below is generated by plot.py at 2017-09-17 17:17:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 265.77 Mbit/s
95th percentile per-packet one-way delay: 82.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.77 Mbit/s
95th percentile per-packet one-way delay: 82.053 ms
Loss rate: 0.00%
```

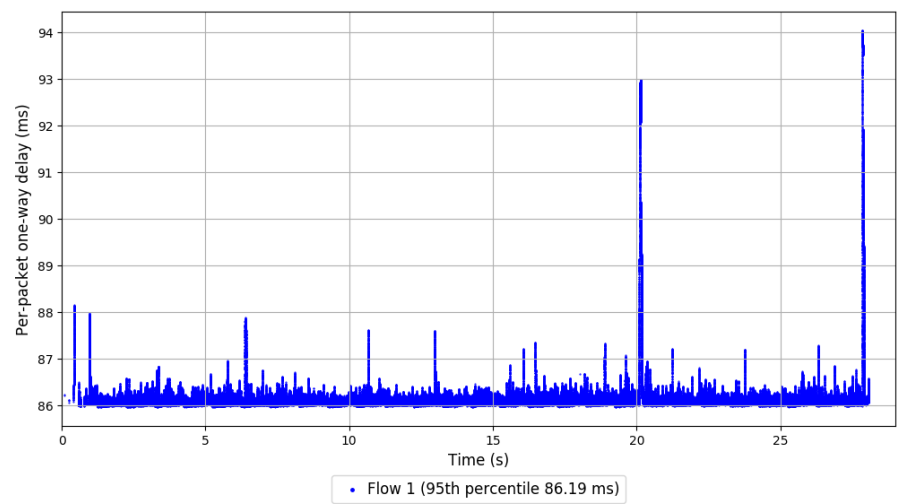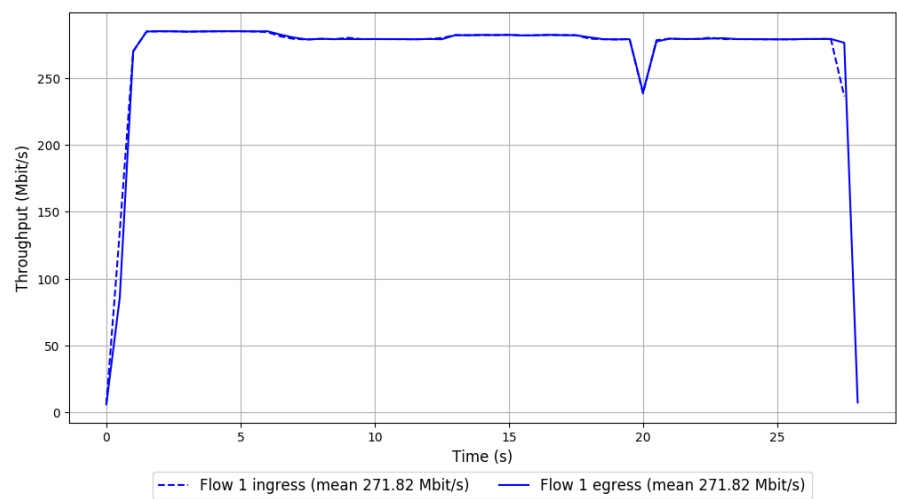Run 7: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-17 14:57:07
End at: 2017-09-17 14:57:37
Local clock offset: -8.957 ms
Remote clock offset: -2.795 ms


# Below is generated by plot.py at 2017-09-17 17:17:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.82 Mbit/s
95th percentile per-packet one-way delay: 86.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.82 Mbit/s
95th percentile per-packet one-way delay: 86.185 ms
Loss rate: 0.00%
```

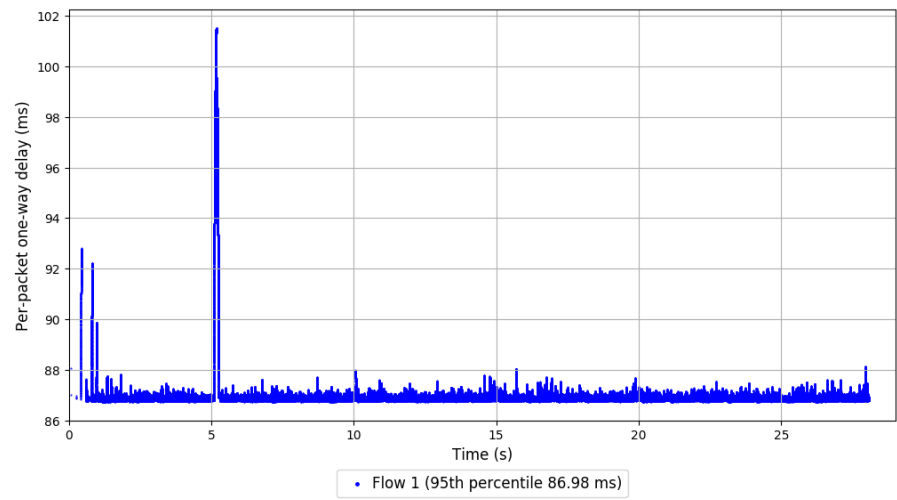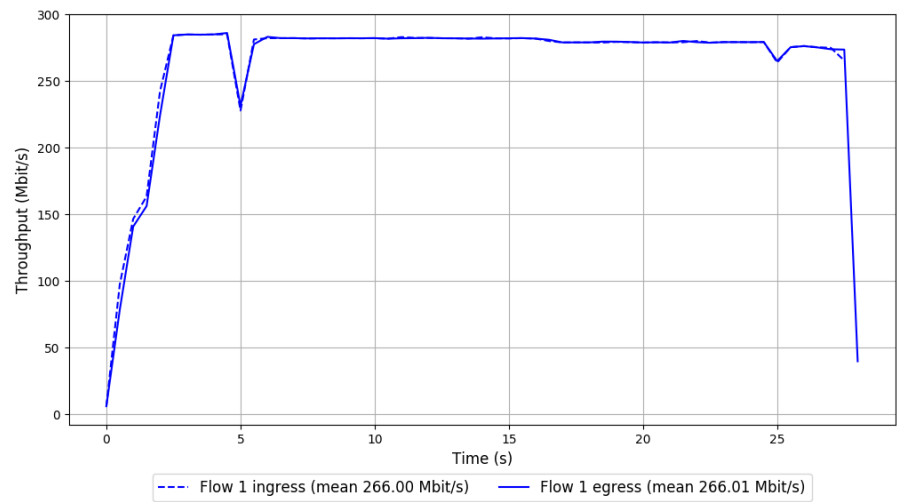# Run 8: Report of TaoVA-100x — Data Link

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

Start at: 2017-09-17 15:17:56
End at: 2017-09-17 15:18:26
Local clock offset: -8.794 ms
Remote clock offset: -2.555 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.01 Mbit/s
95th percentile per-packet one-way delay: 86.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 266.01 Mbit/s
95th percentile per-packet one-way delay: 86.978 ms
Loss rate: 0.00%
```

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

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

Start at: 2017-09-17 15:39:10
End at: 2017-09-17 15:39:40
Local clock offset: -8.634 ms
Remote clock offset: -2.53 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 262.12 Mbit/s
95th percentile per-packet one-way delay: 86.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 262.12 Mbit/s
95th percentile per-packet one-way delay: 86.270 ms
Loss rate: 0.00%
```
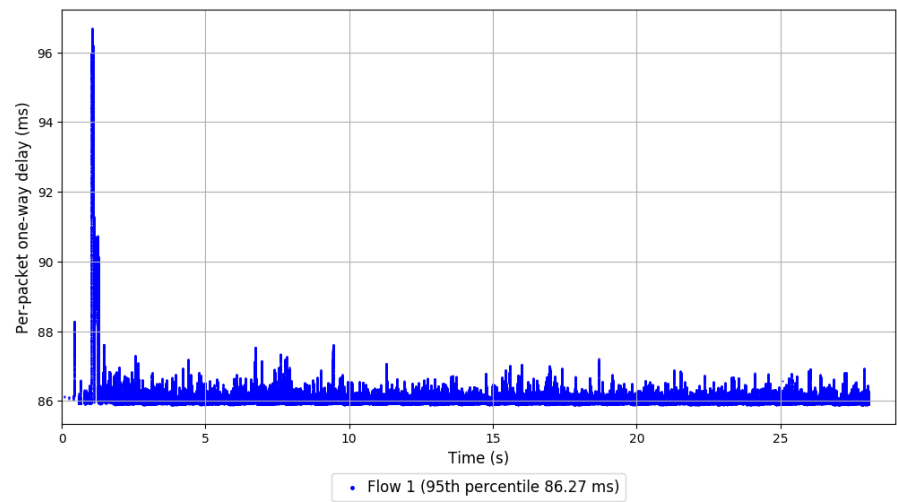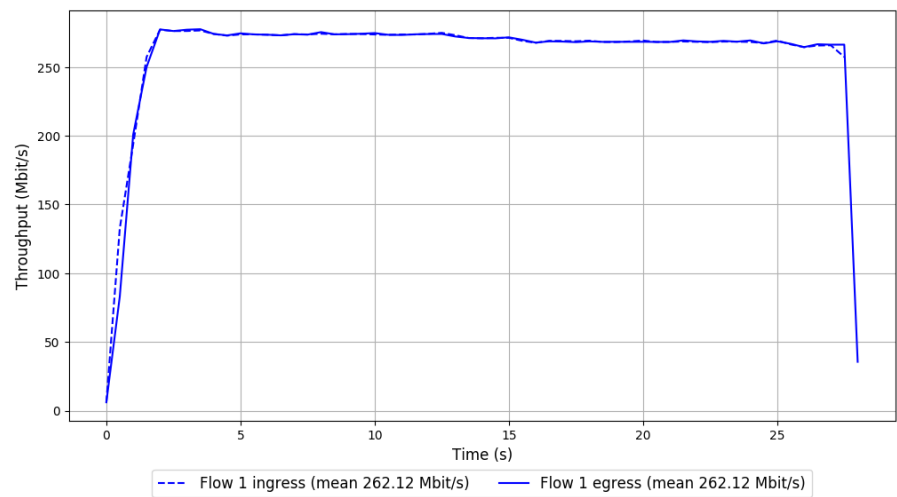
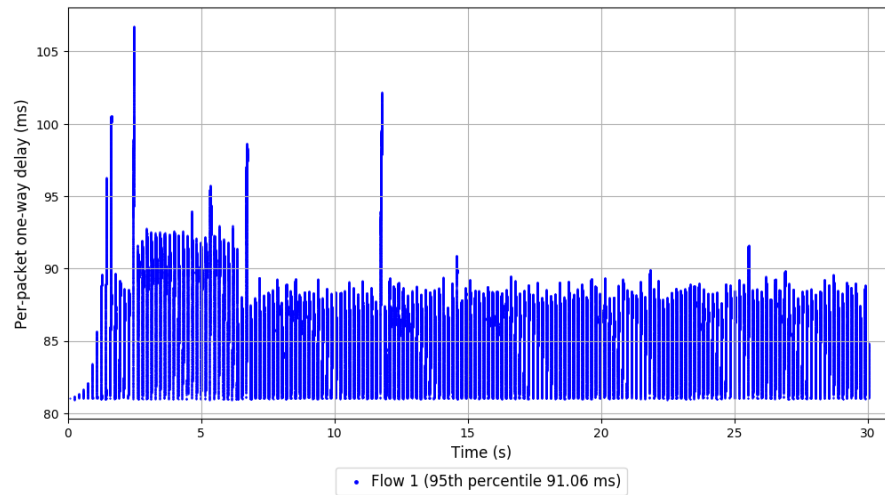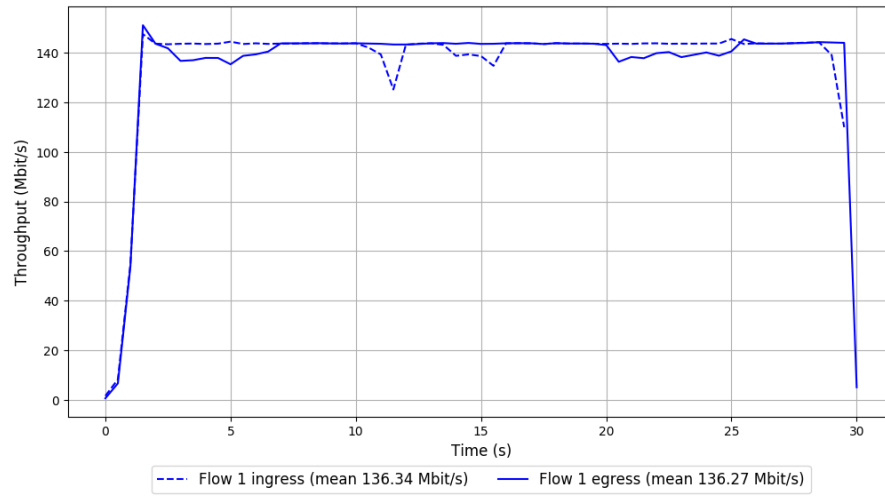Run 10: Report of TaoVA-100x — Data Link

```
Run 1: Statistics of TCP Vegas

Start at: 2017-09-17 12:42:31
End at: 2017-09-17 12:43:01
Local clock offset: -10.242 ms
Remote clock offset: -8.071 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.27 Mbit/s
95th percentile per-packet one-way delay: 91.057 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 136.27 Mbit/s
95th percentile per-packet one-way delay: 91.057 ms
Loss rate: 0.05%
```

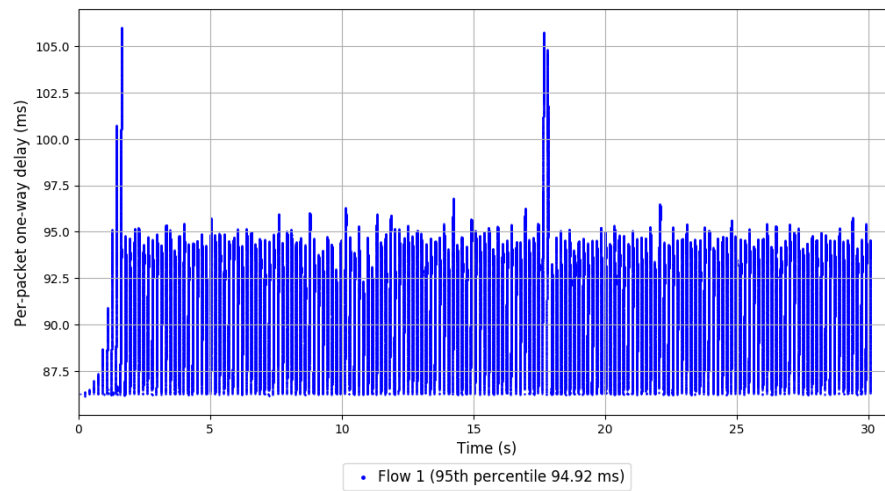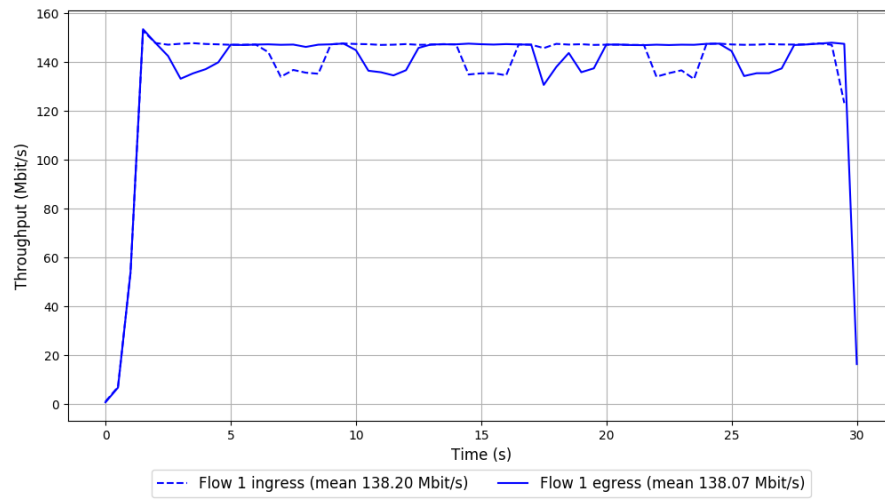Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-09-17 13:02:09
End at: 2017-09-17 13:02:39
Local clock offset: -10.189 ms
Remote clock offset: -2.814 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.07 Mbit/s
95th percentile per-packet one-way delay: 94.919 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 138.07 Mbit/s
95th percentile per-packet one-way delay: 94.919 ms
Loss rate: 0.09%
```

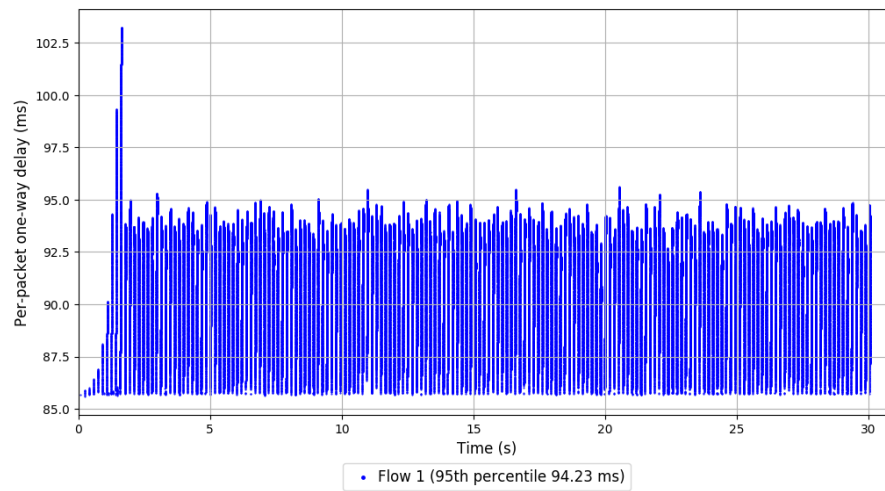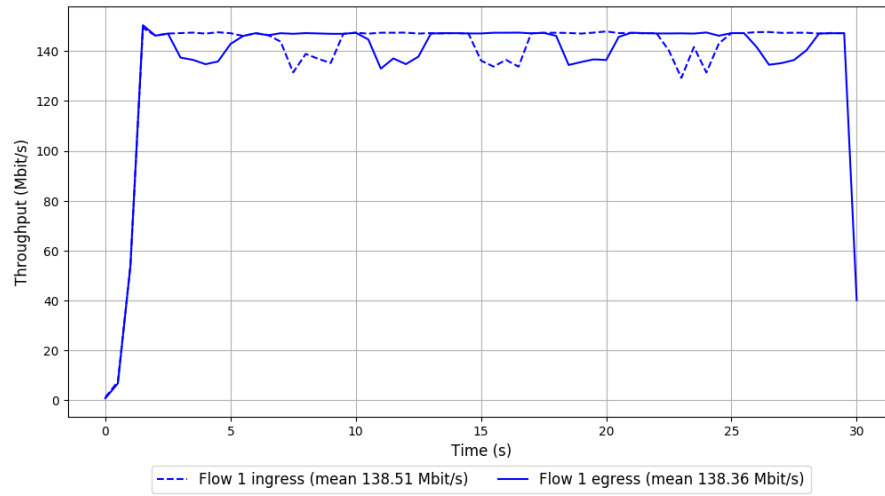Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2017-09-17 13:21:42
End at: 2017-09-17 13:22:12
Local clock offset: -10.063 ms
Remote clock offset: -3.396 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.36 Mbit/s
95th percentile per-packet one-way delay: 94.226 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 138.36 Mbit/s
95th percentile per-packet one-way delay: 94.226 ms
Loss rate: 0.11%
```

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 138.51 Mbit/s) — Flow 1 egress (mean 138.36 Mbit/s)
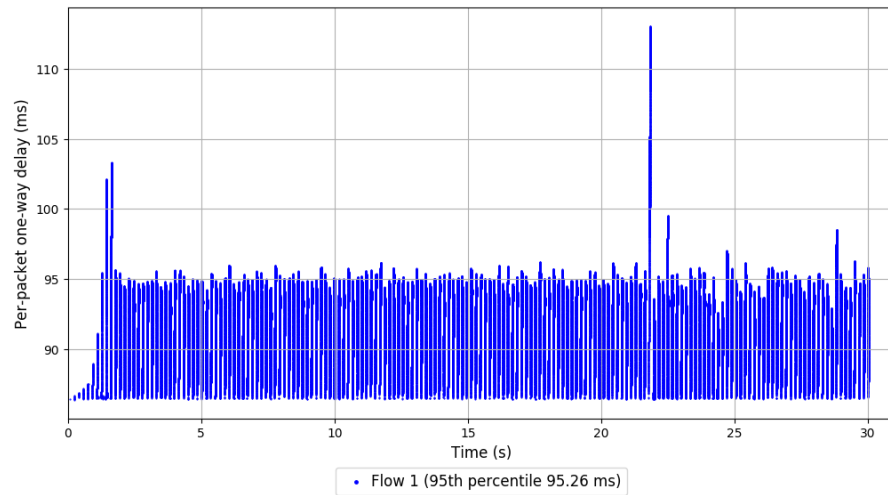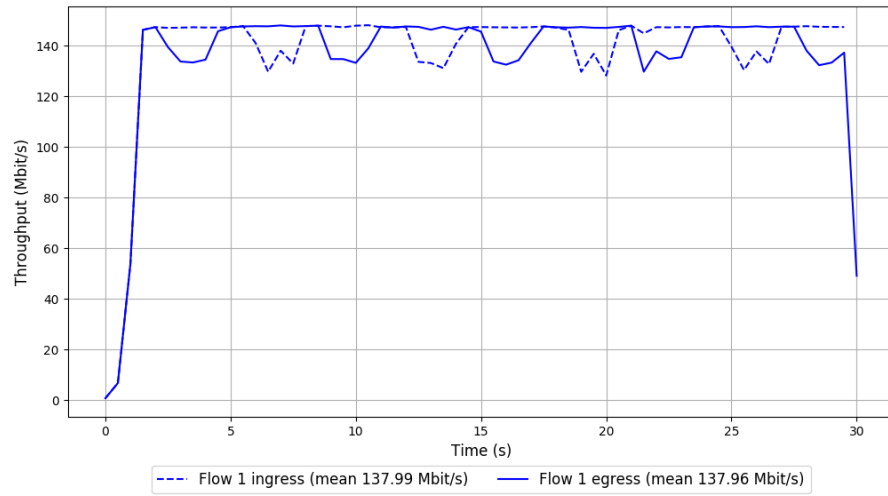

Flow 1 (95th percentile 94.23 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2017-09-17 13:42:01
End at: 2017-09-17 13:42:31
Local clock offset: -9.876 ms
Remote clock offset: -3.068 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 137.96 Mbit/s
95th percentile per-packet one-way delay: 95.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 137.96 Mbit/s
95th percentile per-packet one-way delay: 95.261 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 137.99 Mbit/s)   Flow 1 egress (mean 137.96 Mbit/s)
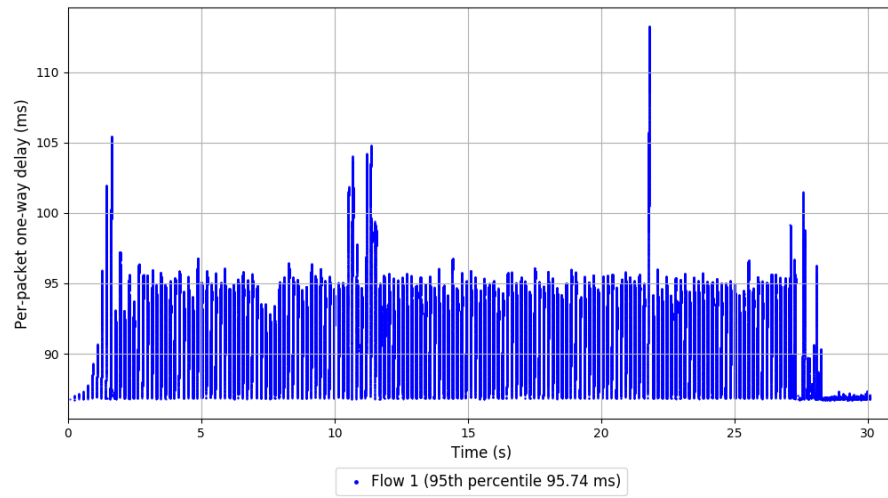

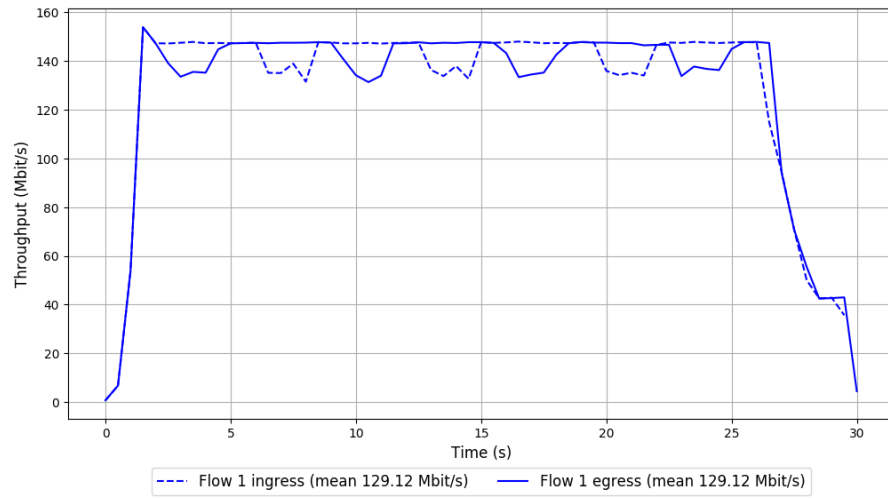Flow 1 (95th percentile 95.26 ms)

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```
Run 5: Statistics of TCP Vegas

Start at: 2017-09-17 14:02:34
End at: 2017-09-17 14:03:04
Local clock offset: -9.545 ms
Remote clock offset: -2.574 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 129.12 Mbit/s
95th percentile per-packet one-way delay: 95.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.12 Mbit/s
95th percentile per-packet one-way delay: 95.736 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 129.12 Mbit/s)   Flow 1 egress (mean 129.12 Mbit/s)
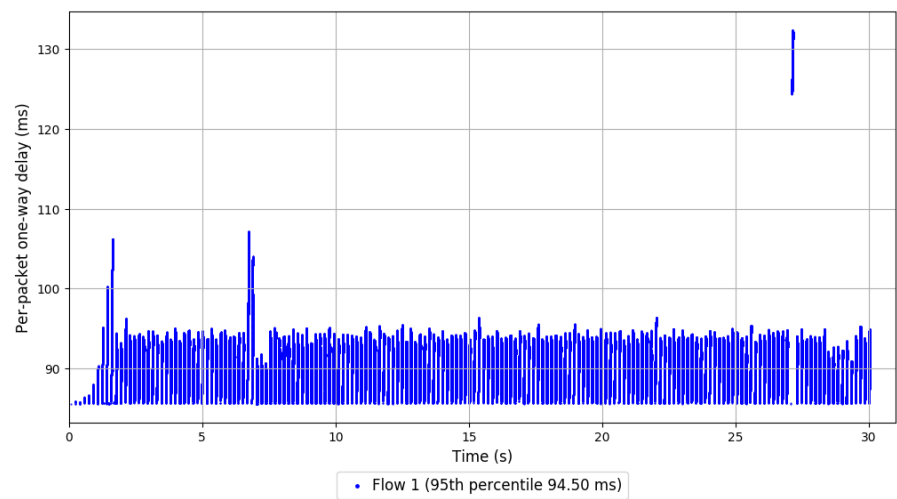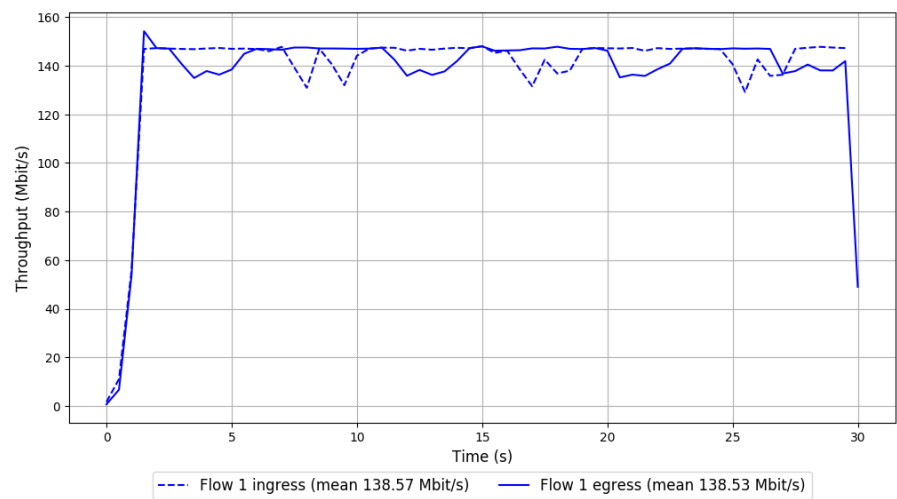

Flow 1 (95th percentile 95.74 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2017-09-17 14:23:27
End at: 2017-09-17 14:23:57
Local clock offset: -9.344 ms
Remote clock offset: -3.592 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.53 Mbit/s
95th percentile per-packet one-way delay: 94.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.53 Mbit/s
95th percentile per-packet one-way delay: 94.502 ms
Loss rate: 0.00%
```
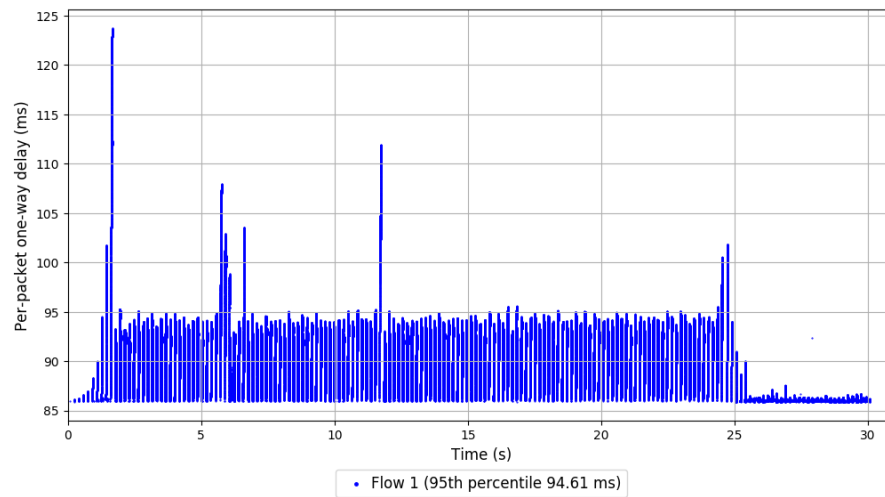
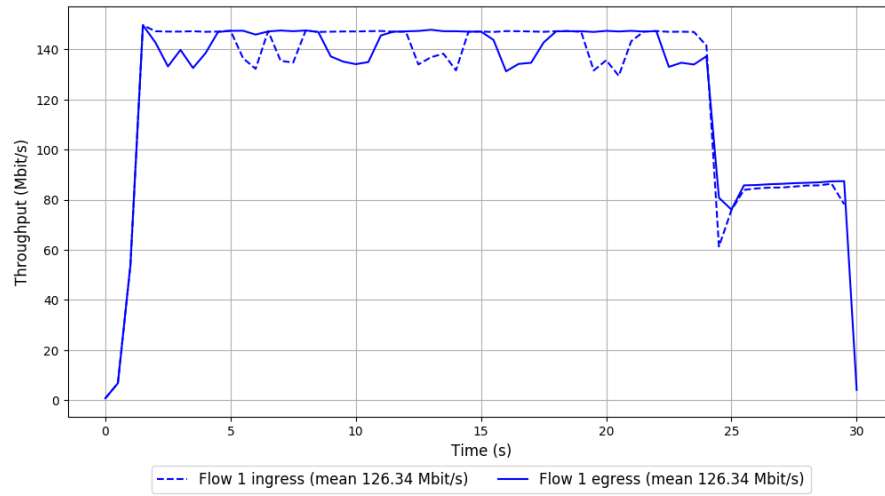Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2017-09-17 14:43:34
End at: 2017-09-17 14:44:05
Local clock offset: -9.154 ms
Remote clock offset: -3.441 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.34 Mbit/s
95th percentile per-packet one-way delay: 94.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.34 Mbit/s
95th percentile per-packet one-way delay: 94.609 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2017-09-17 15:03:57
End at: 2017-09-17 15:04:27
Local clock offset: -8.903 ms
Remote clock offset: -3.32 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.56 Mbit/s
95th percentile per-packet one-way delay: 95.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.56 Mbit/s
95th percentile per-packet one-way delay: 95.289 ms
Loss rate: 0.00%
```
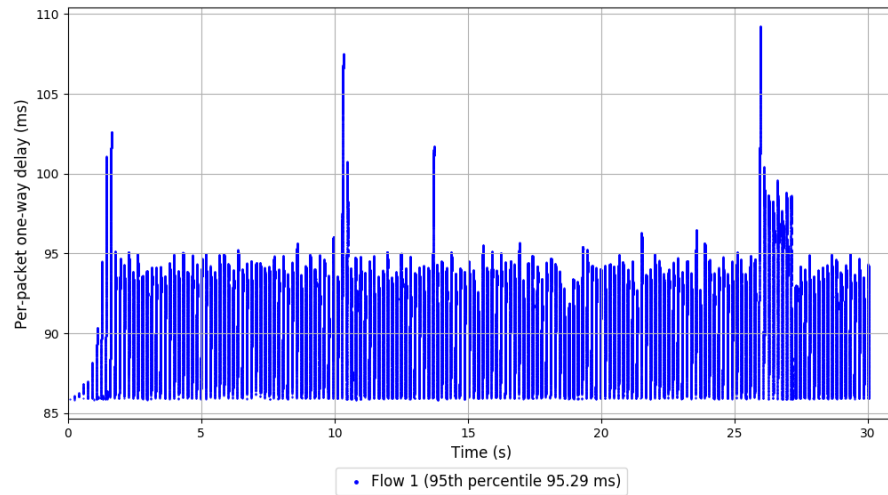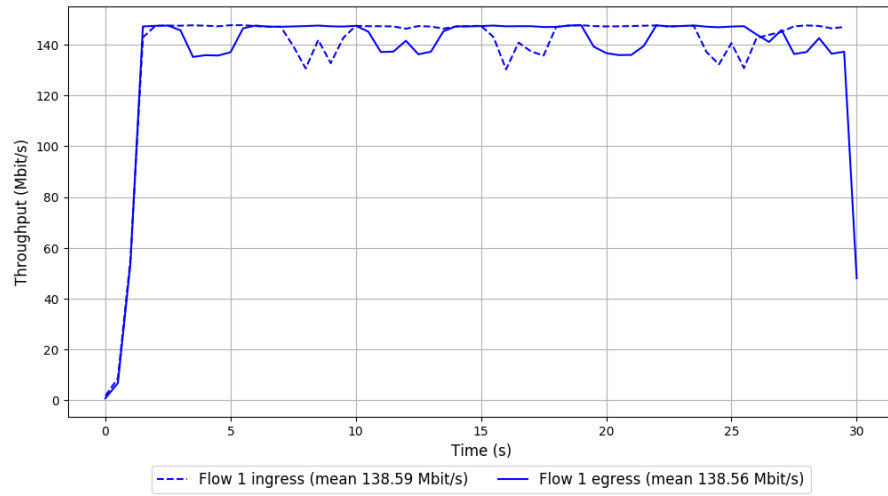
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 138.59 Mbit/s)   Flow 1 egress (mean 138.56 Mbit/s)
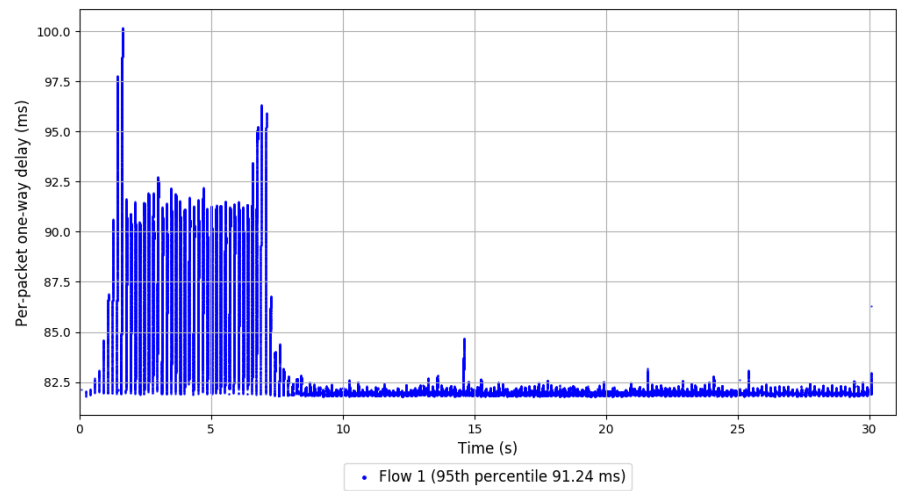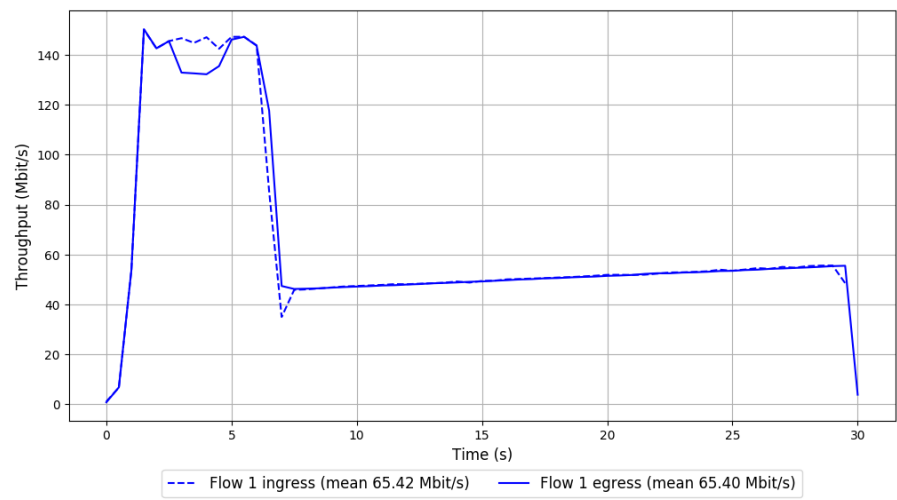

Flow 1 (95th percentile 95.29 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2017-09-17 15:25:00
End at: 2017-09-17 15:25:30
Local clock offset: -8.749 ms
Remote clock offset: -7.469 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 91.244 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 91.244 ms
Loss rate: 0.04%
```
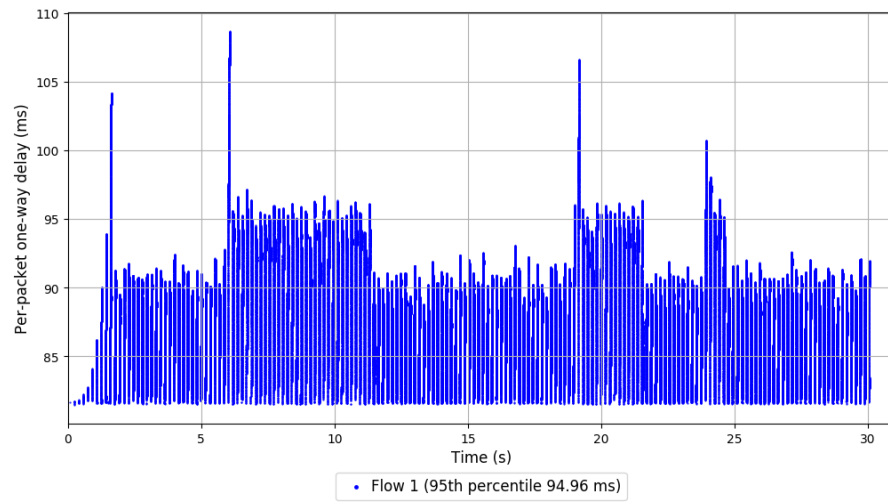
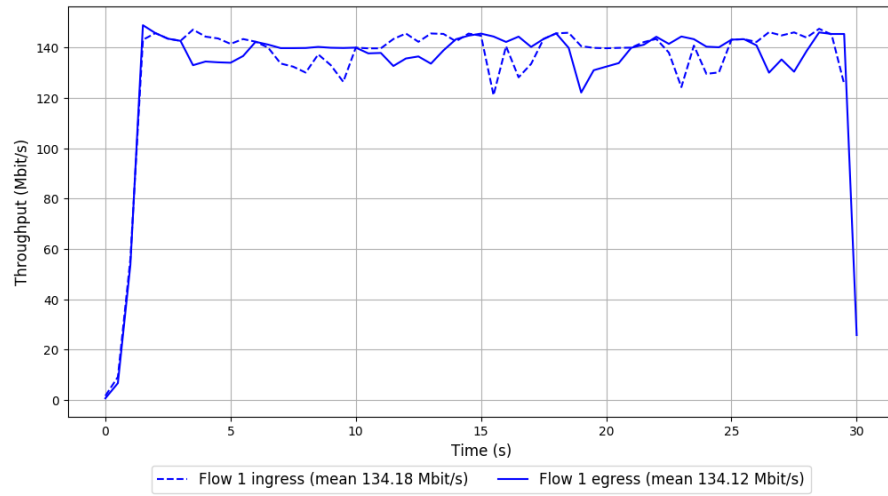Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2017-09-17 15:45:59
End at: 2017-09-17 15:46:29
Local clock offset: -8.655 ms
Remote clock offset: -7.204 ms


# Below is generated by plot.py at 2017-09-17 17:20:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.12 Mbit/s
95th percentile per-packet one-way delay: 94.957 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 134.12 Mbit/s
95th percentile per-packet one-way delay: 94.957 ms
Loss rate: 0.04%
```
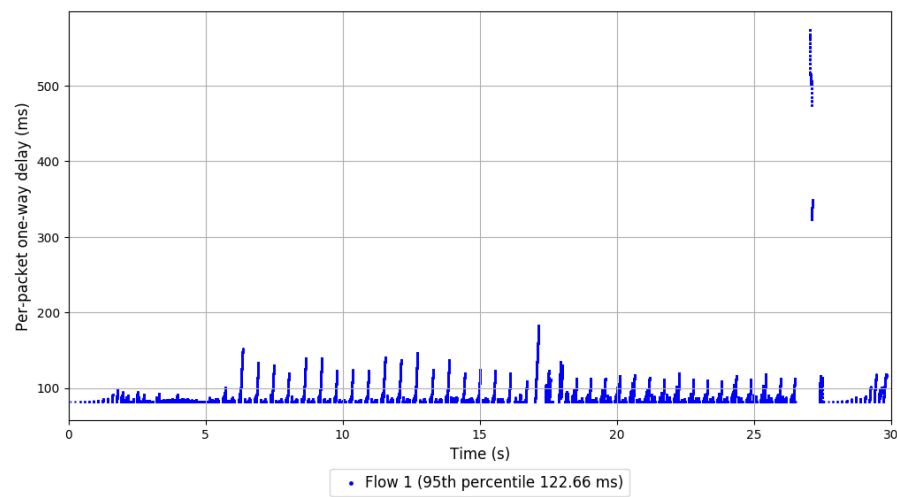
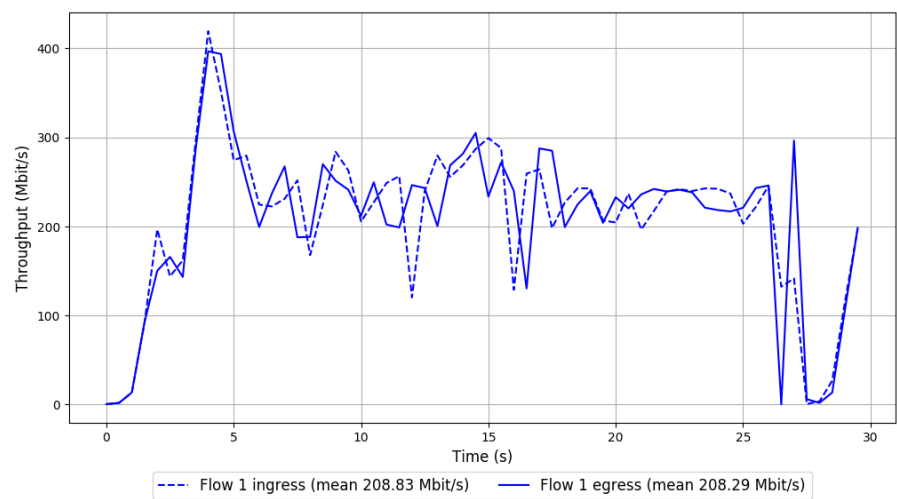Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2017-09-17 12:26:46
End at: 2017-09-17 12:27:16
Local clock offset: -9.986 ms
Remote clock offset: -7.731 ms


# Below is generated by plot.py at 2017-09-17 17:21:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.29 Mbit/s
95th percentile per-packet one-way delay: 122.663 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 208.29 Mbit/s
95th percentile per-packet one-way delay: 122.663 ms
Loss rate: 0.19%
```
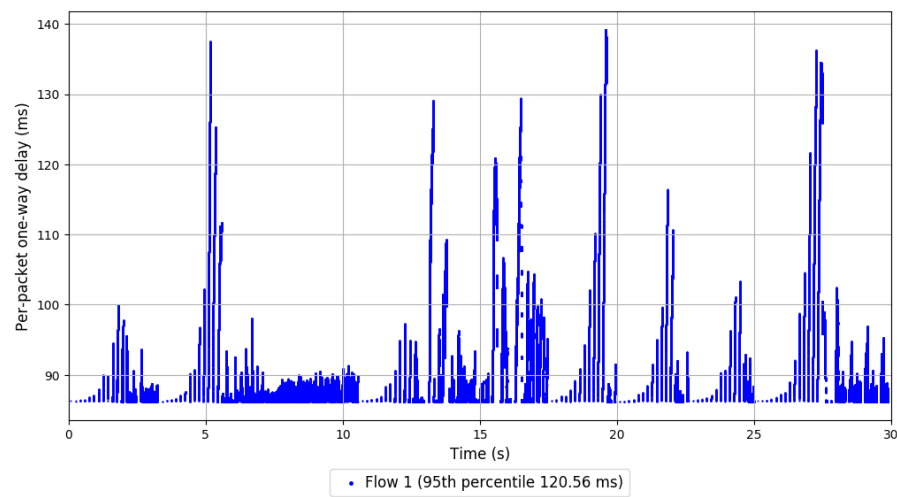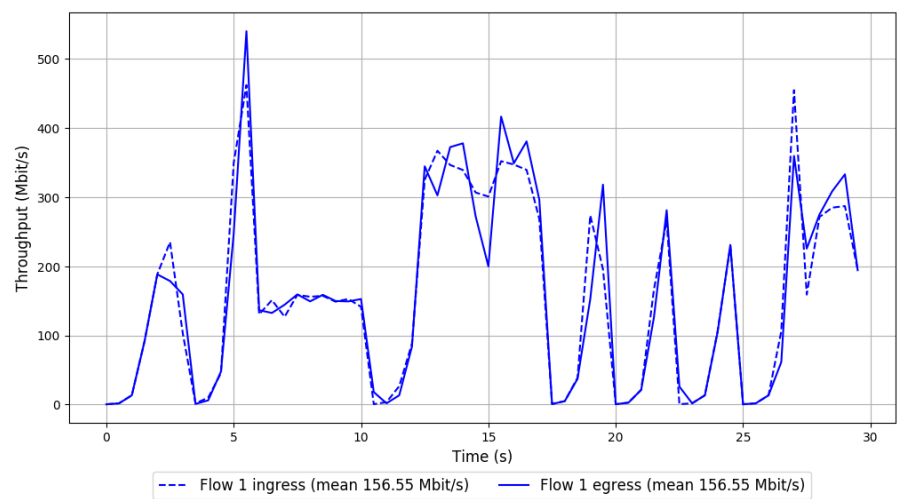
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2017-09-17 12:46:09
End at: 2017-09-17 12:46:39
Local clock offset: -10.248 ms
Remote clock offset: -3.435 ms


# Below is generated by plot.py at 2017-09-17 17:21:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 156.55 Mbit/s
95th percentile per-packet one-way delay: 120.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.55 Mbit/s
95th percentile per-packet one-way delay: 120.565 ms
Loss rate: 0.00%
```
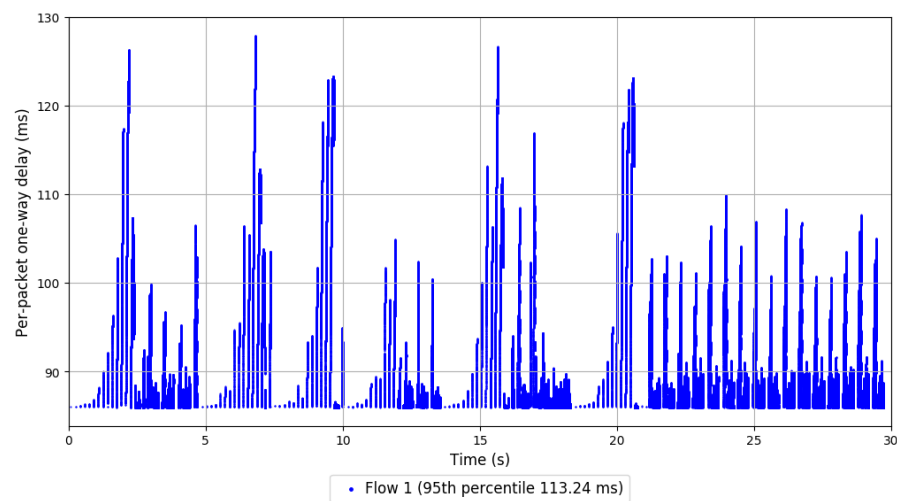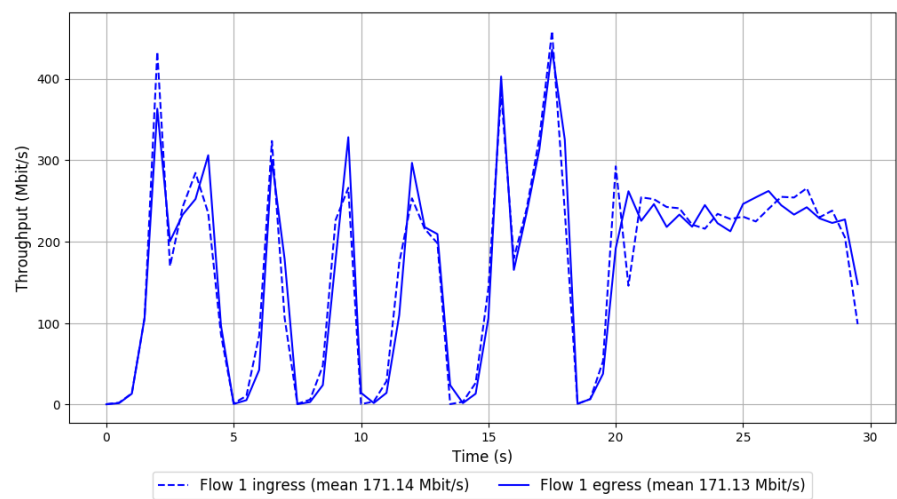
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2017-09-17 13:05:48
End at: 2017-09-17 13:06:18
Local clock offset: -10.127 ms
Remote clock offset: -3.223 ms


# Below is generated by plot.py at 2017-09-17 17:21:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 171.13 Mbit/s
95th percentile per-packet one-way delay: 113.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.13 Mbit/s
95th percentile per-packet one-way delay: 113.238 ms
Loss rate: 0.00%
```
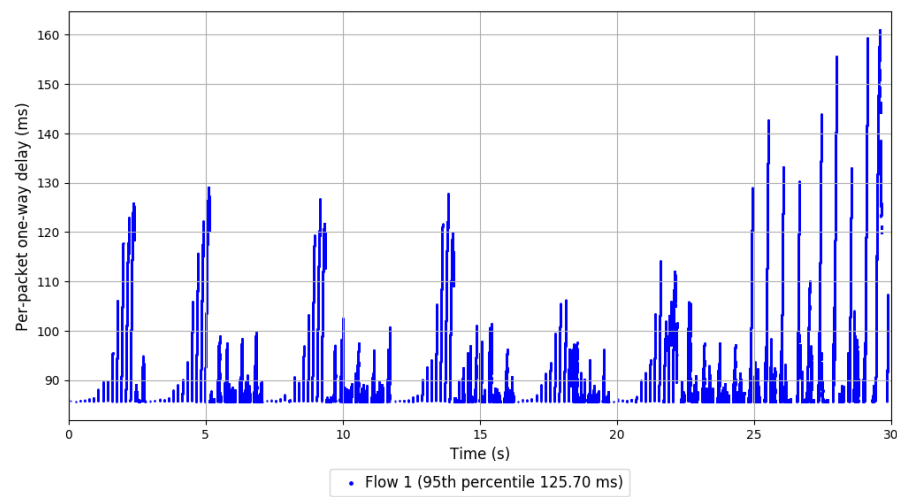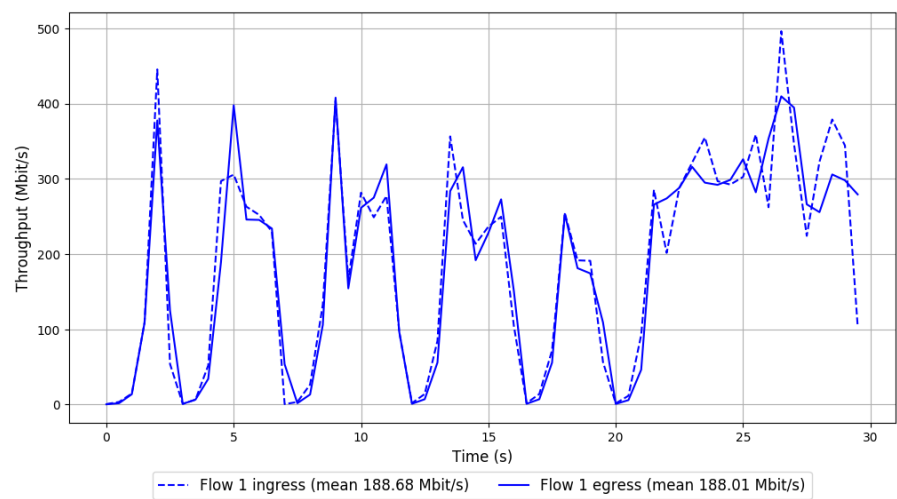
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2017-09-17 13:25:20
End at: 2017-09-17 13:25:50
Local clock offset: -10.012 ms
Remote clock offset: -3.566 ms


# Below is generated by plot.py at 2017-09-17 17:21:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.01 Mbit/s
95th percentile per-packet one-way delay: 125.697 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 188.01 Mbit/s
95th percentile per-packet one-way delay: 125.697 ms
Loss rate: 0.31%
```
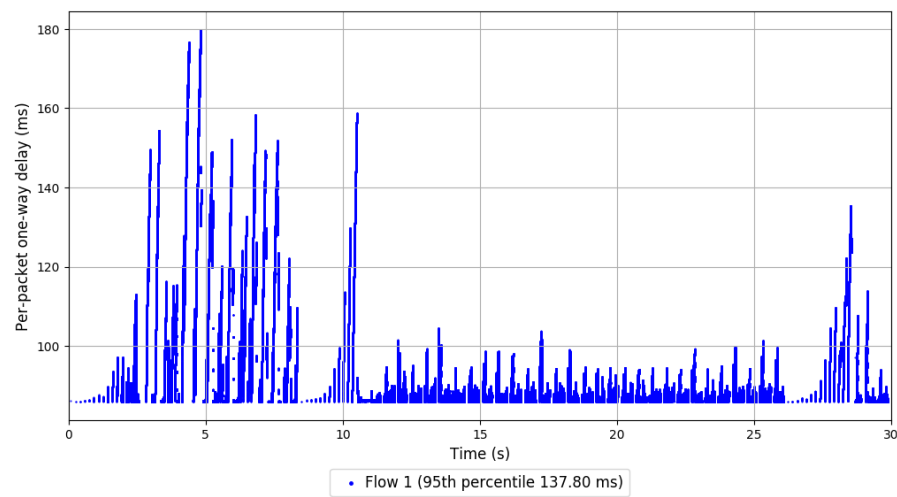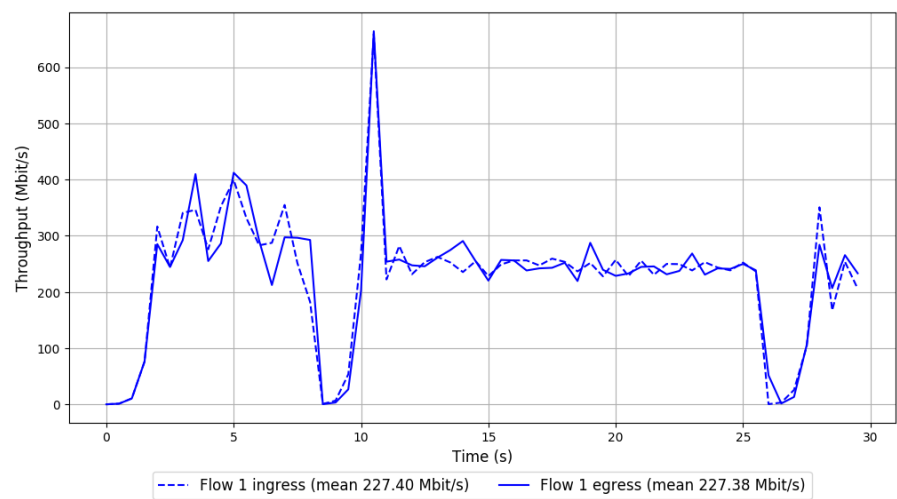
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-09-17 13:45:41
End at: 2017-09-17 13:46:11
Local clock offset: -9.732 ms
Remote clock offset: -3.198 ms


# Below is generated by plot.py at 2017-09-17 17:22:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.38 Mbit/s
95th percentile per-packet one-way delay: 137.802 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 227.38 Mbit/s
95th percentile per-packet one-way delay: 137.802 ms
Loss rate: 0.01%
```

Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2017-09-17 14:06:11
End at: 2017-09-17 14:06:41
Local clock offset: -9.584 ms
Remote clock offset: -8.27 ms


# Below is generated by plot.py at 2017-09-17 17:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.24 Mbit/s
95th percentile per-packet one-way delay: 232.996 ms
Loss rate: 9.93%
-- Flow 1:
Average throughput: 250.24 Mbit/s
95th percentile per-packet one-way delay: 232.996 ms
Loss rate: 9.93%
```
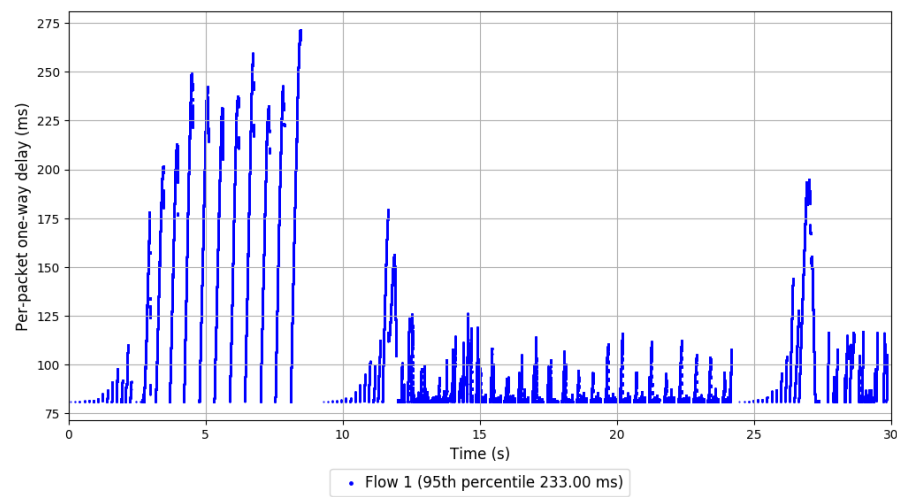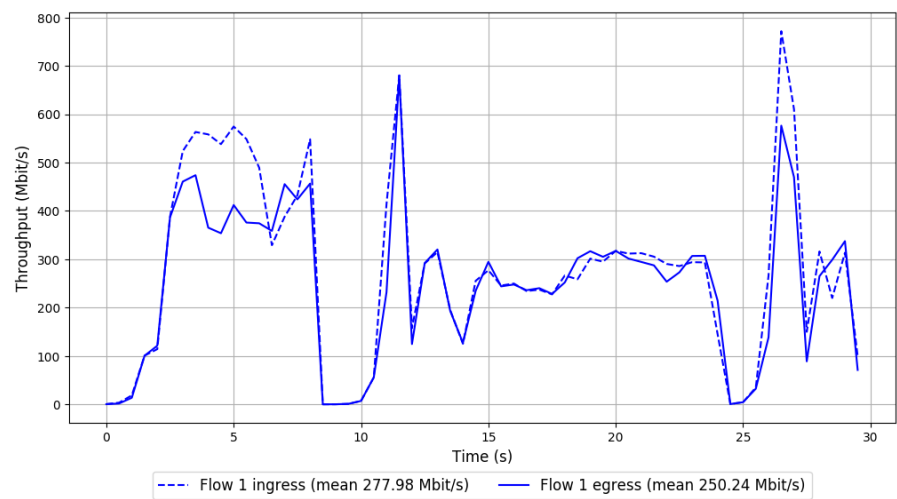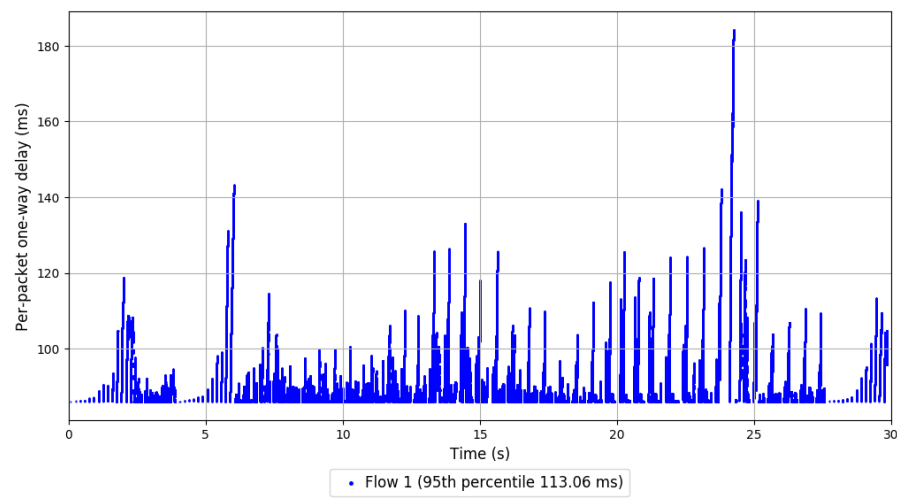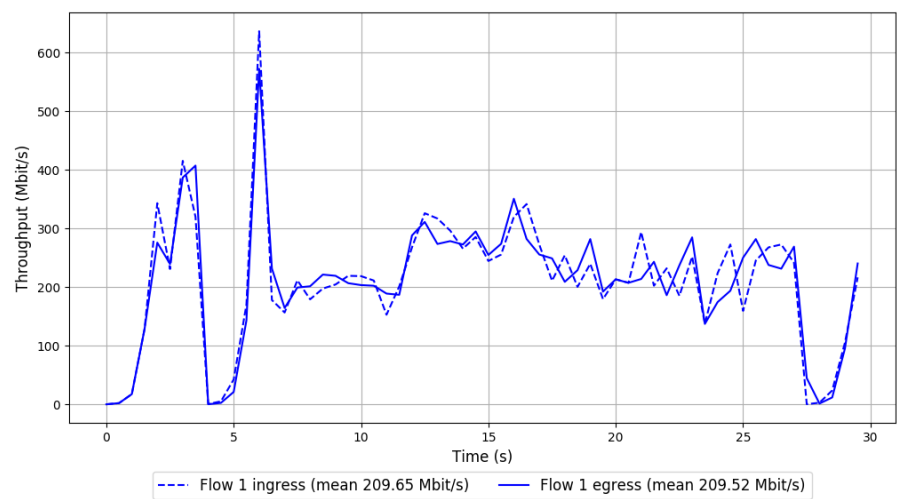
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2017-09-17 14:27:06
End at: 2017-09-17 14:27:36
Local clock offset: -9.458 ms
Remote clock offset: -3.268 ms


# Below is generated by plot.py at 2017-09-17 17:23:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.52 Mbit/s
95th percentile per-packet one-way delay: 113.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.52 Mbit/s
95th percentile per-packet one-way delay: 113.060 ms
Loss rate: 0.00%
```
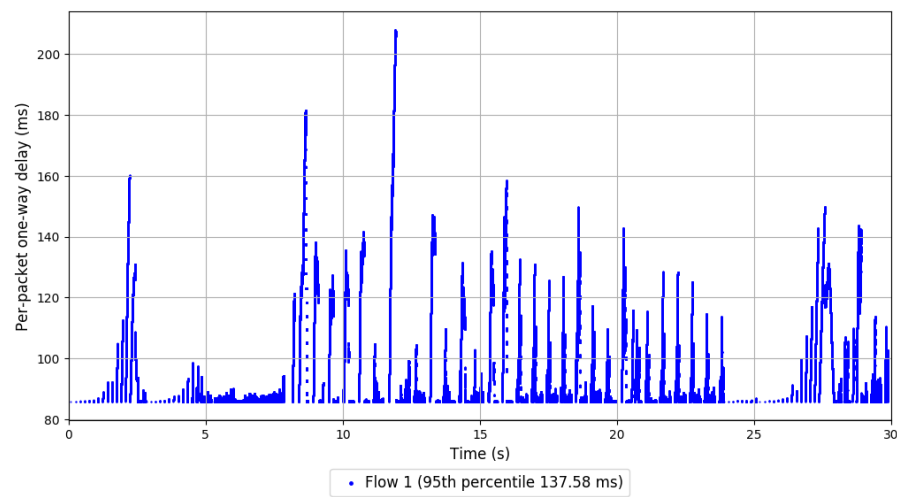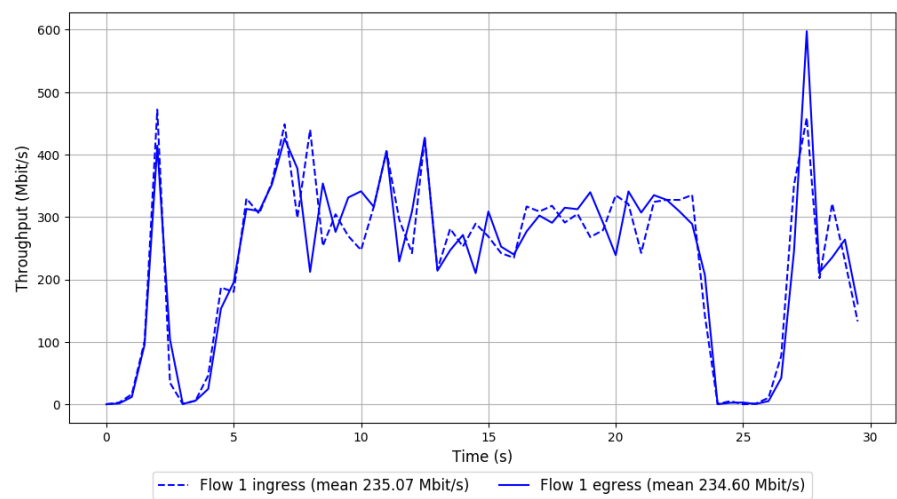
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-09-17 14:47:15
End at: 2017-09-17 14:47:45
Local clock offset: -9.068 ms
Remote clock offset: -3.335 ms


# Below is generated by plot.py at 2017-09-17 17:23:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.60 Mbit/s
95th percentile per-packet one-way delay: 137.581 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 234.60 Mbit/s
95th percentile per-packet one-way delay: 137.581 ms
Loss rate: 0.17%
```

Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 235.07 Mbit/s) --- Flow 1 egress (mean 234.60 Mbit/s)
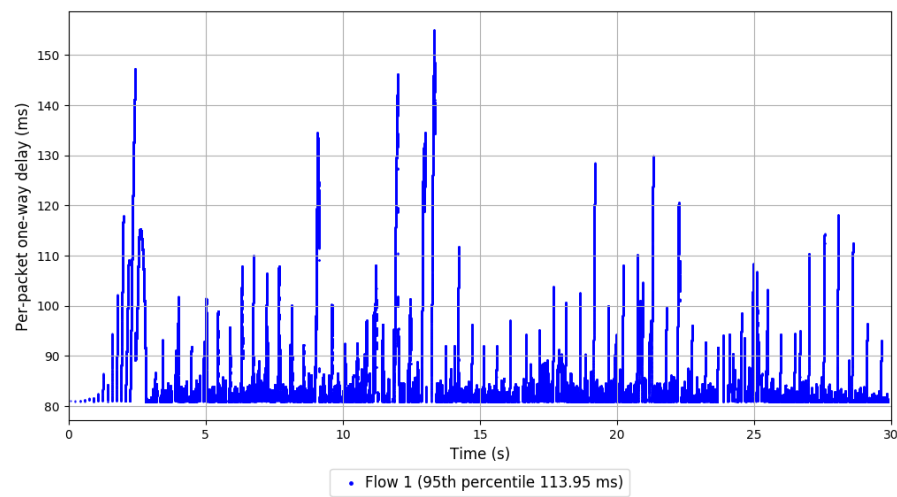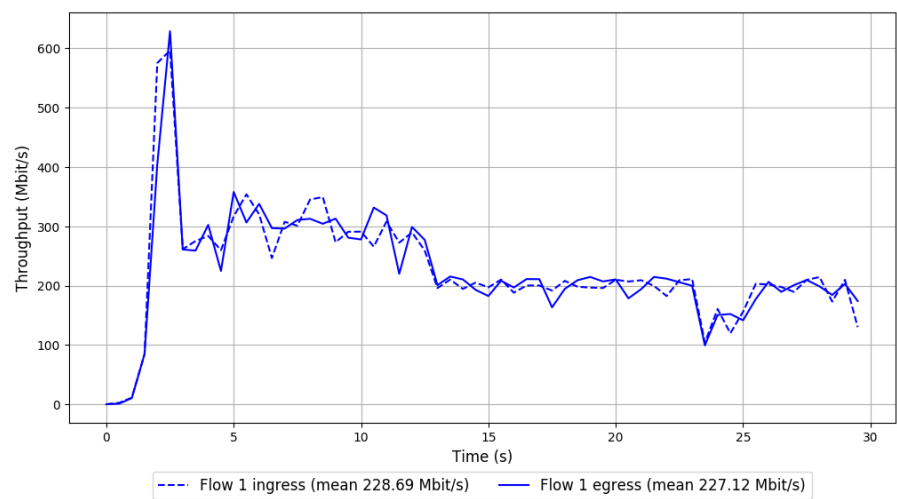

Flow 1 (95th percentile 137.58 ms)

```
Run 9: Statistics of Verus

Start at: 2017-09-17 15:07:37
End at: 2017-09-17 15:08:07
Local clock offset: -8.852 ms
Remote clock offset: -8.216 ms


# Below is generated by plot.py at 2017-09-17 17:23:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.12 Mbit/s
95th percentile per-packet one-way delay: 113.952 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 227.12 Mbit/s
95th percentile per-packet one-way delay: 113.952 ms
Loss rate: 0.69%
```

Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 228.69 Mbit/s)   Flow 1 egress (mean 227.12 Mbit/s)
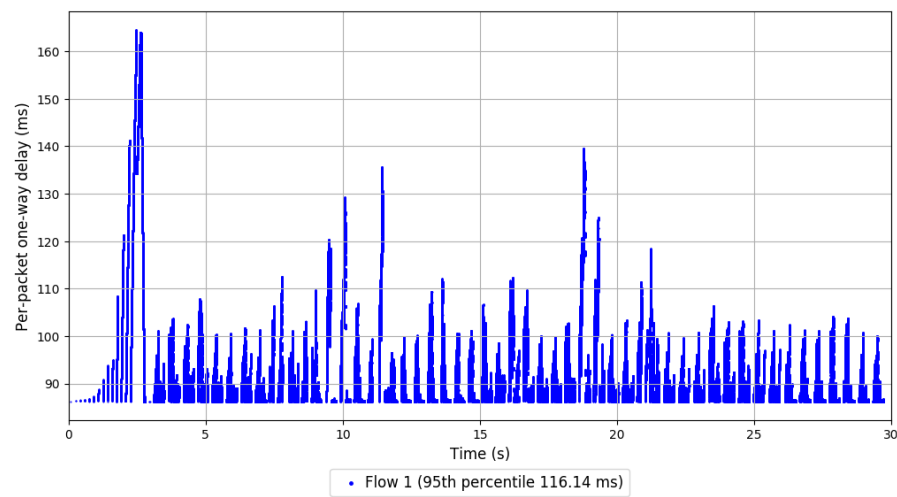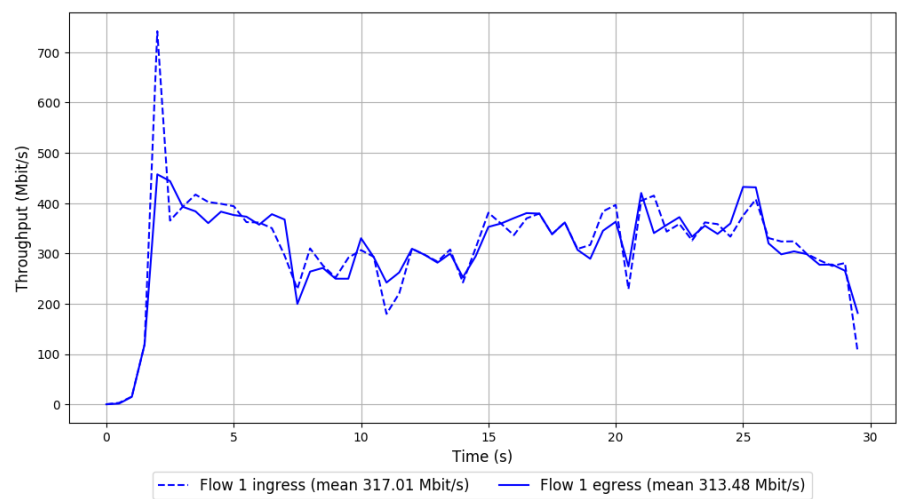

Flow 1 (95th percentile 113.95 ms)

```
Run 10: Statistics of Verus

Start at: 2017-09-17 15:28:38
End at: 2017-09-17 15:29:08
Local clock offset: -8.675 ms
Remote clock offset: -2.752 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 313.48 Mbit/s
95th percentile per-packet one-way delay: 116.140 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 313.48 Mbit/s
95th percentile per-packet one-way delay: 116.140 ms
Loss rate: 1.11%
```
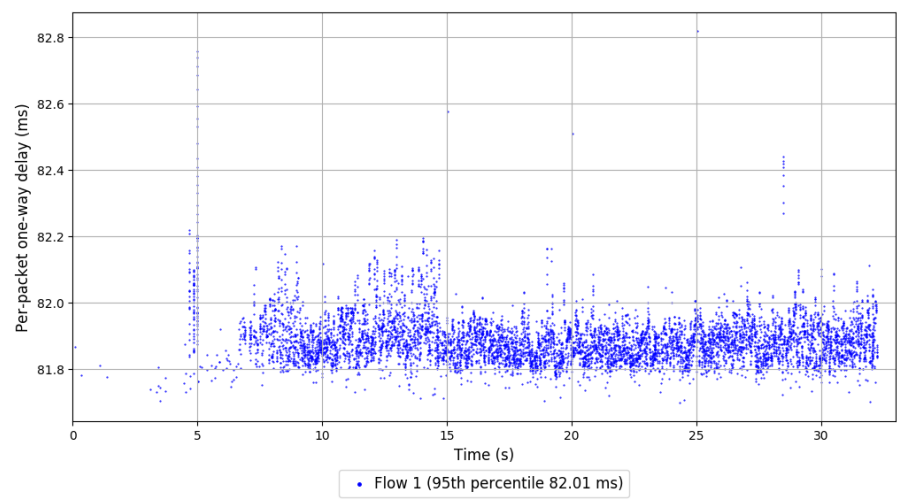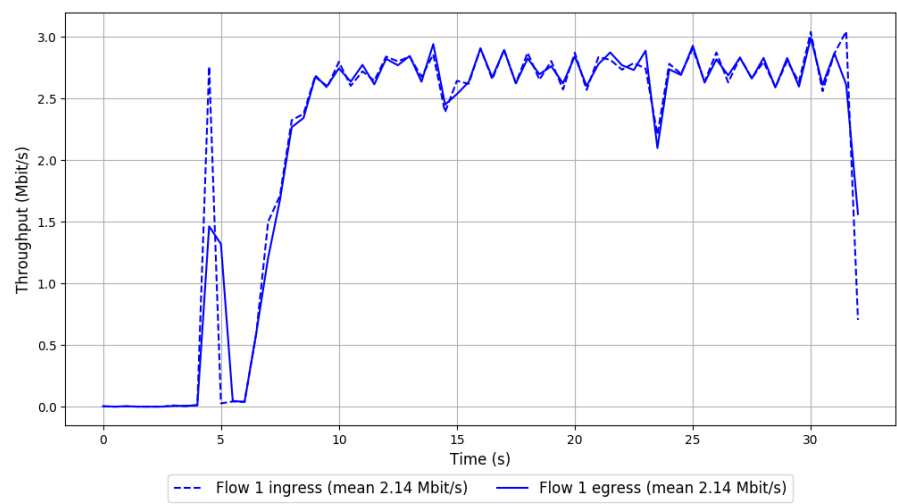
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2017-09-17 12:38:48
End at: 2017-09-17 12:39:18
Local clock offset: -10.027 ms
Remote clock offset: -8.094 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 82.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 82.014 ms
Loss rate: 0.00%
```

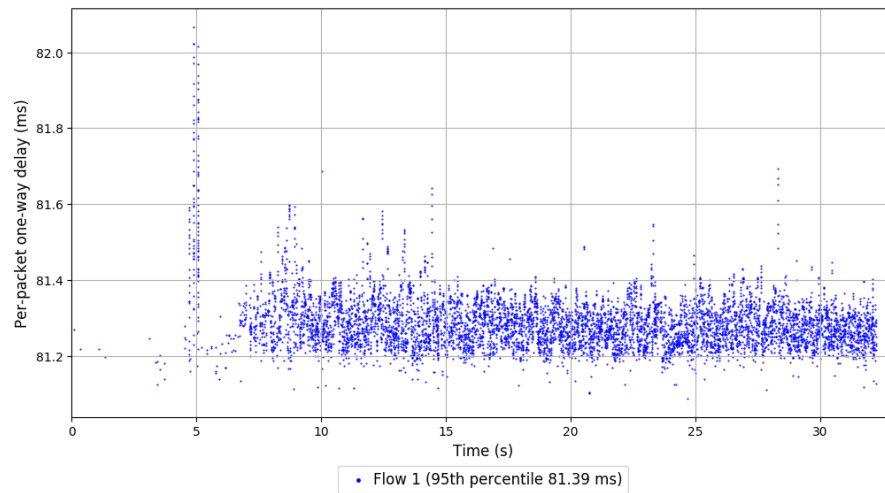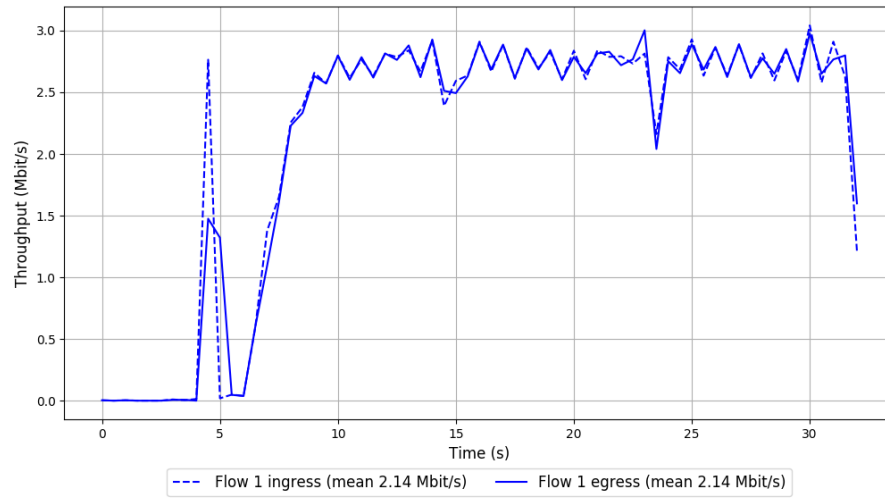Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2017-09-17 12:58:25
End at: 2017-09-17 12:58:55
Local clock offset: -10.165 ms
Remote clock offset: -8.041 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 81.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 81.395 ms
Loss rate: 0.00%
```

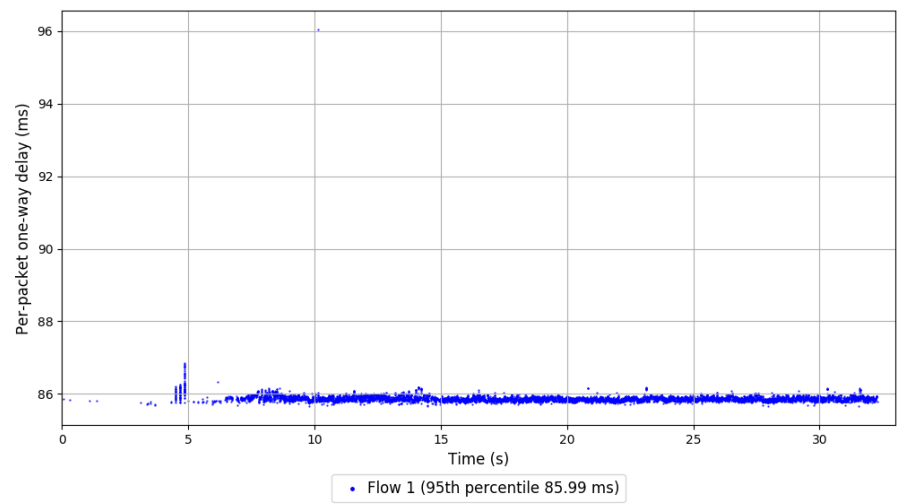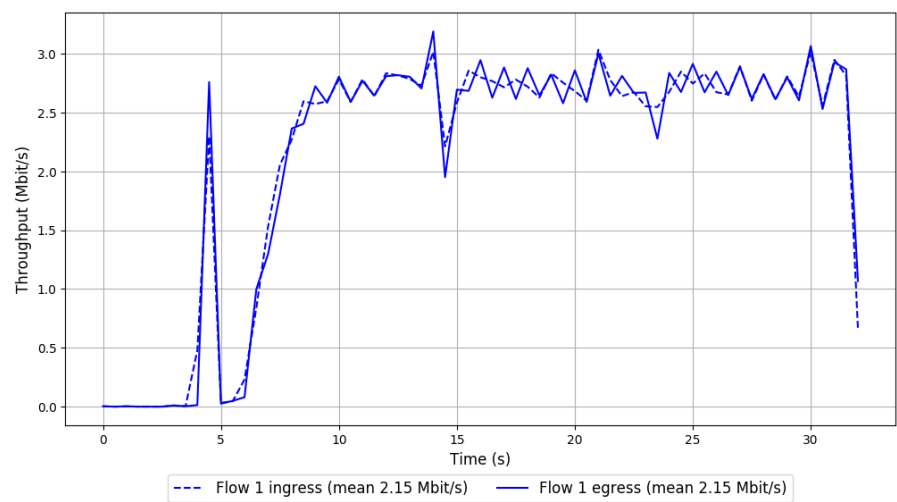Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-09-17 13:17:59
End at: 2017-09-17 13:18:29
Local clock offset: -10.14 ms
Remote clock offset: -3.393 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 85.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 85.990 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2017-09-17 13:38:15
End at: 2017-09-17 13:38:45
Local clock offset: -9.819 ms
Remote clock offset: -7.5 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 81.735 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 81.735 ms
Loss rate: 0.01%
```
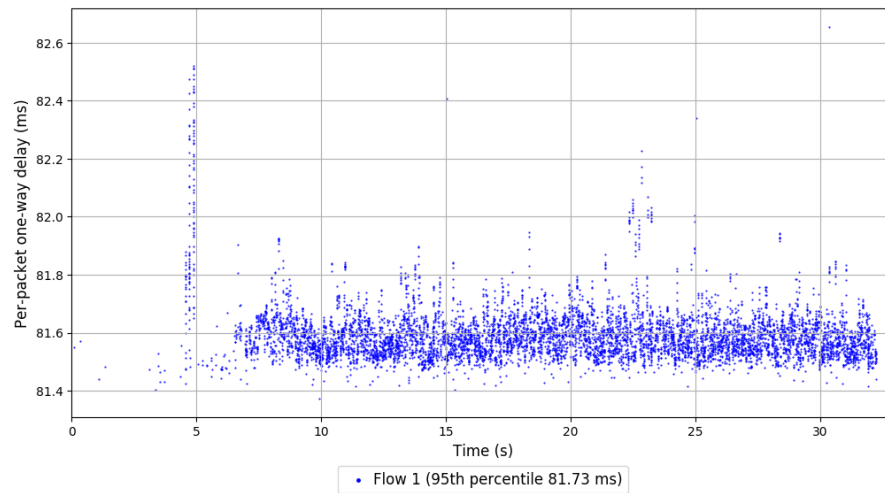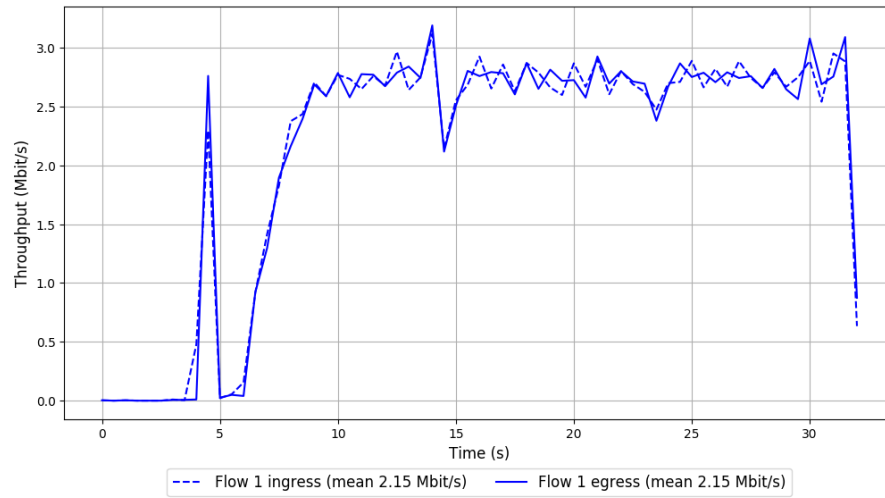
Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.15 Mbit/s)   Flow 1 egress (mean 2.15 Mbit/s)
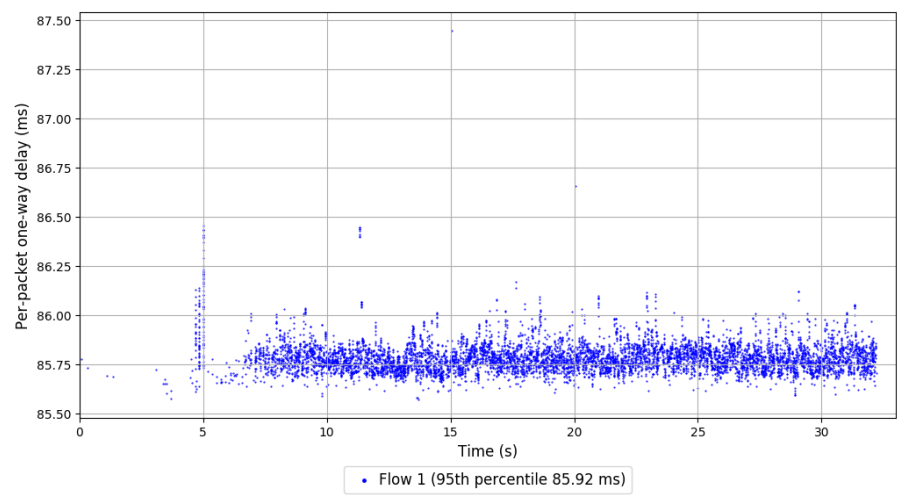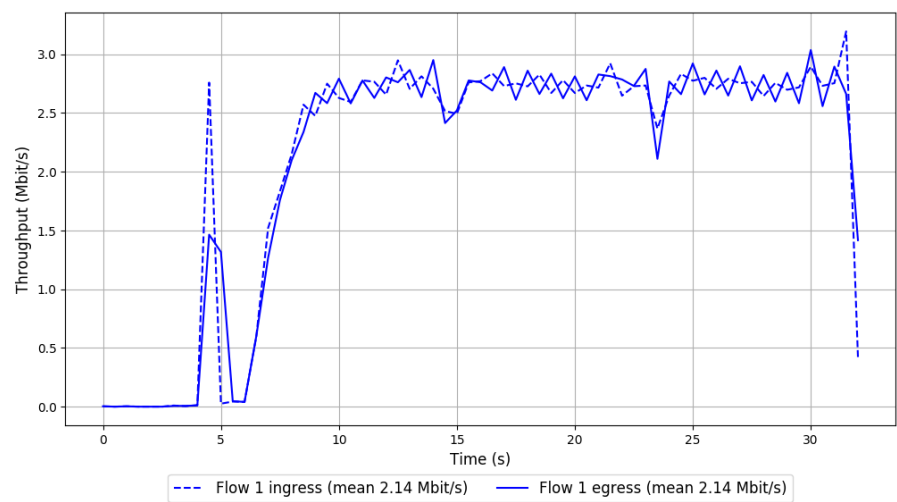

Flow 1 (95th percentile 81.73 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2017-09-17 13:58:50
End at: 2017-09-17 13:59:20
Local clock offset: -9.65 ms
Remote clock offset: -3.409 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 85.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 85.917 ms
Loss rate: 0.00%
```

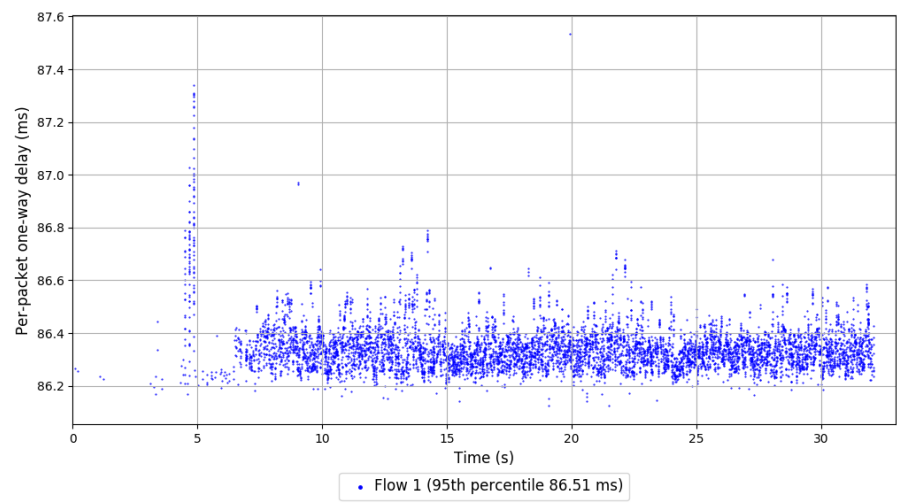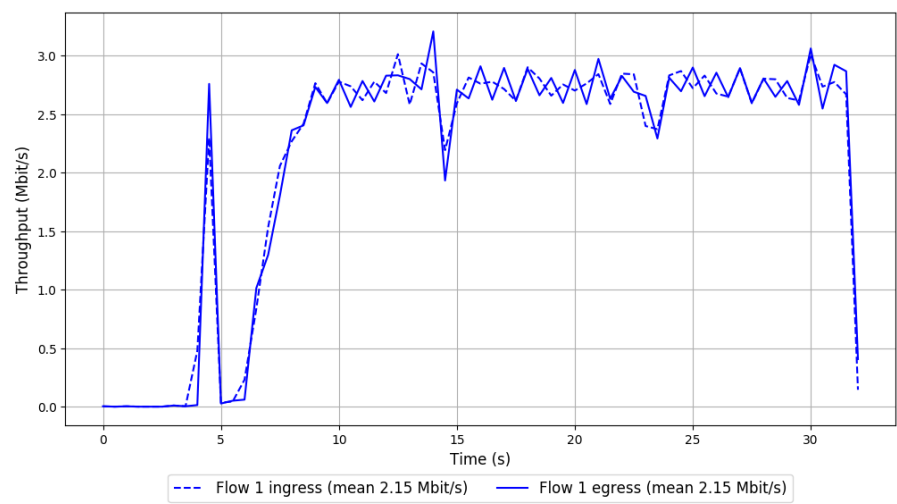Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2017-09-17 14:19:43
End at: 2017-09-17 14:20:13
Local clock offset: -9.377 ms
Remote clock offset: -2.866 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 86.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 86.507 ms
Loss rate: 0.00%
```

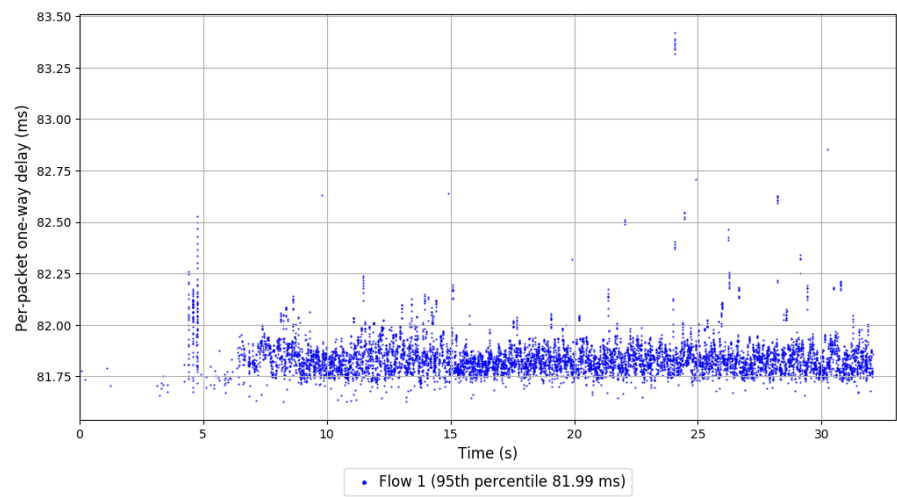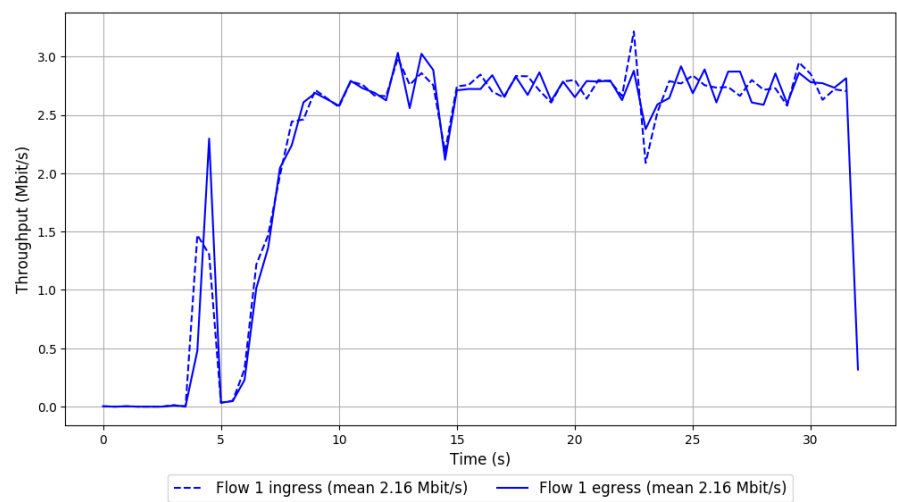Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2017-09-17 14:39:45
End at: 2017-09-17 14:40:15
Local clock offset: -9.275 ms
Remote clock offset: -7.686 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 81.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 81.991 ms
Loss rate: 0.00%
```

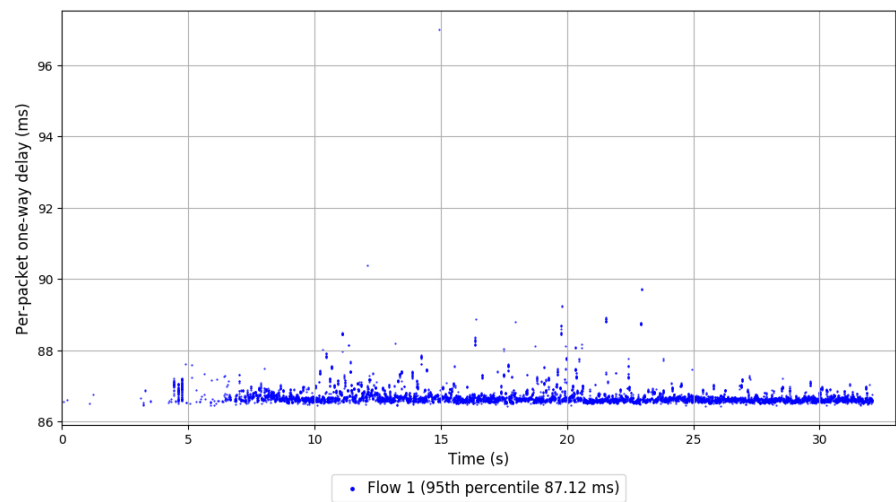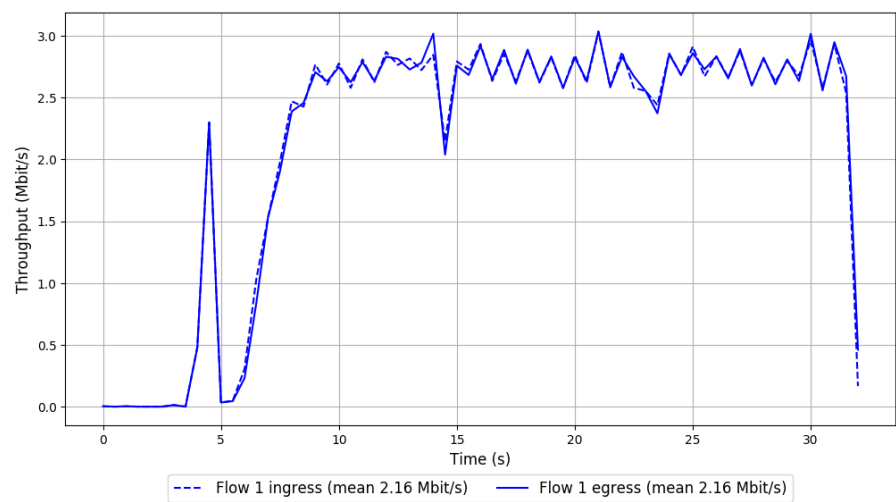## Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2017-09-17 15:00:09
End at: 2017-09-17 15:00:39
Local clock offset: -8.917 ms
Remote clock offset: -2.566 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 87.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 87.119 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2017-09-17 15:21:05
End at: 2017-09-17 15:21:35
Local clock offset: -8.782 ms
Remote clock offset: -7.98 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 81.243 ms
Loss rate: 11.50%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 81.243 ms
Loss rate: 11.50%
```
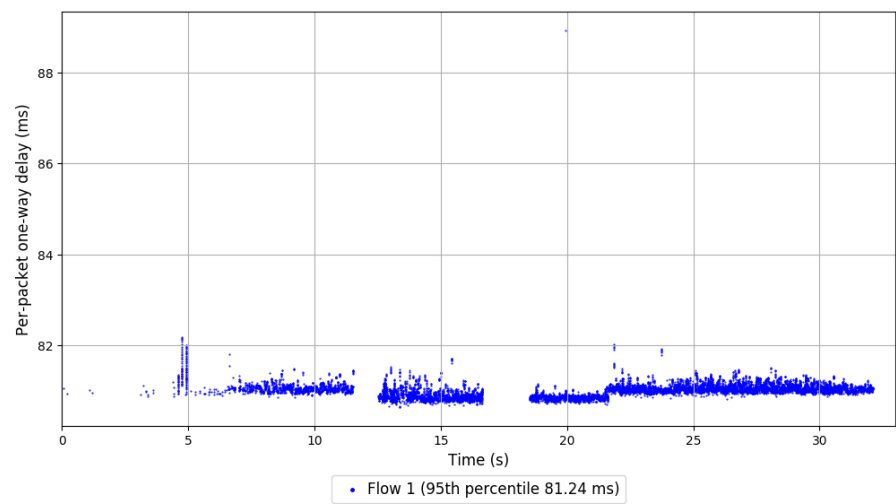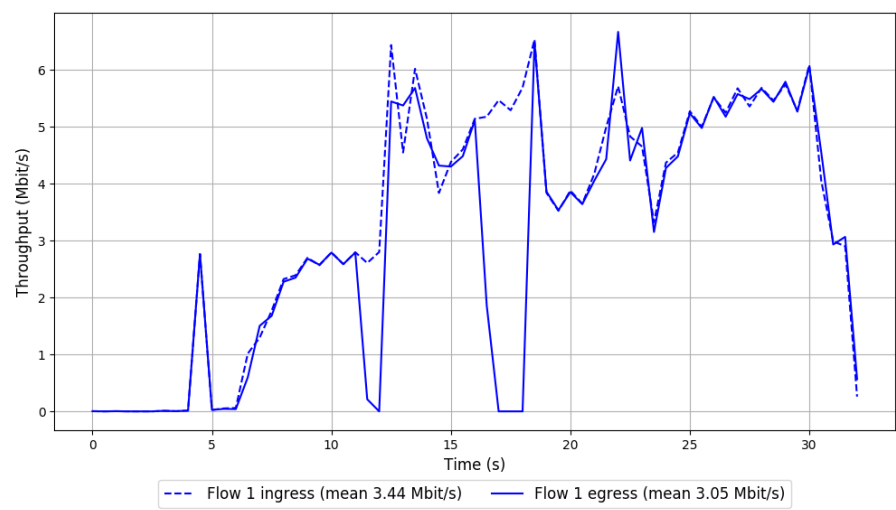
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2017-09-17 15:42:10
End at: 2017-09-17 15:42:40
Local clock offset: -8.605 ms
Remote clock offset: -7.854 ms


# Below is generated by plot.py at 2017-09-17 17:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 81.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 81.170 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link