Pantheon Report

Generated at 2018-01-26 10:19:10 (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.

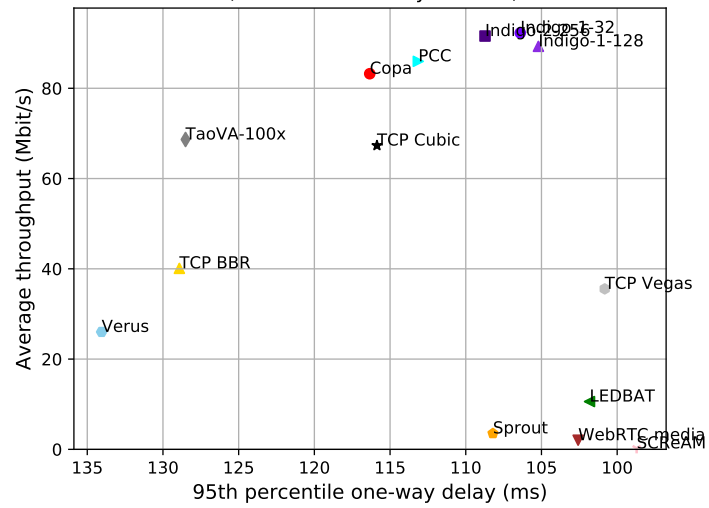Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

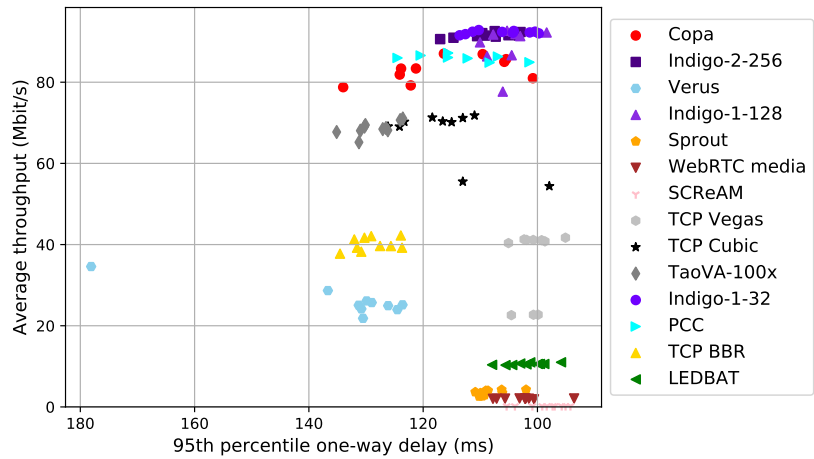NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
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

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scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	40.10	128.92	25.39
TCP Cubic	10	67.31	115.87	0.39
LEDBAT	10	10.59	101.83	0.00
PCC	8	85.97	113.13	1.60
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.22	98.71	0.00
WebRTC media	10	2.02	102.58	0.01
Sprout	10	3.53	108.21	0.00
TaoVA-100x	10	68.65	128.51	1.11
TCP Vegas	10	35.55	100.82	0.50
Verus	10	26.02	134.05	20.92
Copa	10	83.22	116.34	2.71
Indigo-2-256	10	91.57	108.73	0.69
Indigo-1-32	10	92.27	106.40	0.66
Indigo-1-128	10	89.29	105.20	0.98

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-25 23:53:18
End at: 2018-01-25 23:53:48
Local clock offset: 0.296 ms
Remote clock offset: -0.887 ms

# Below is generated by plot.py at 2018-01-26 10:04:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 131.569 ms
Loss rate: 25.51%
-- Flow 1:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 131.569 ms
Loss rate: 25.51%
```
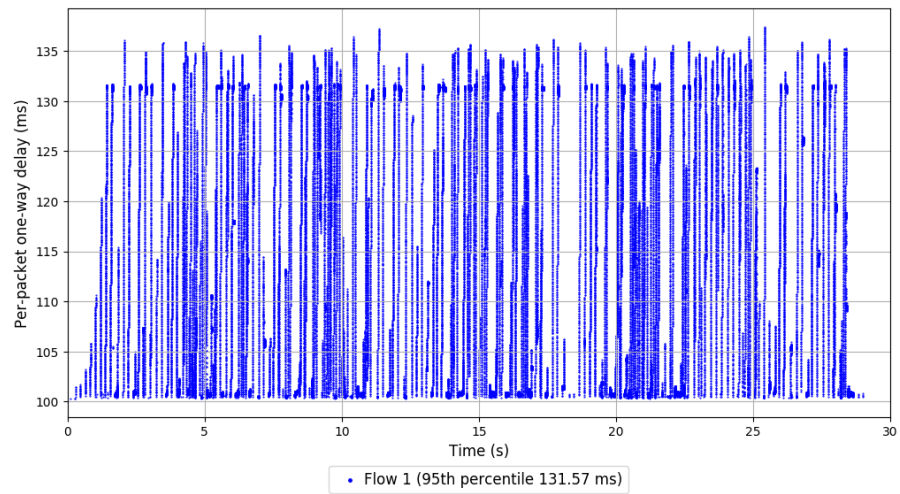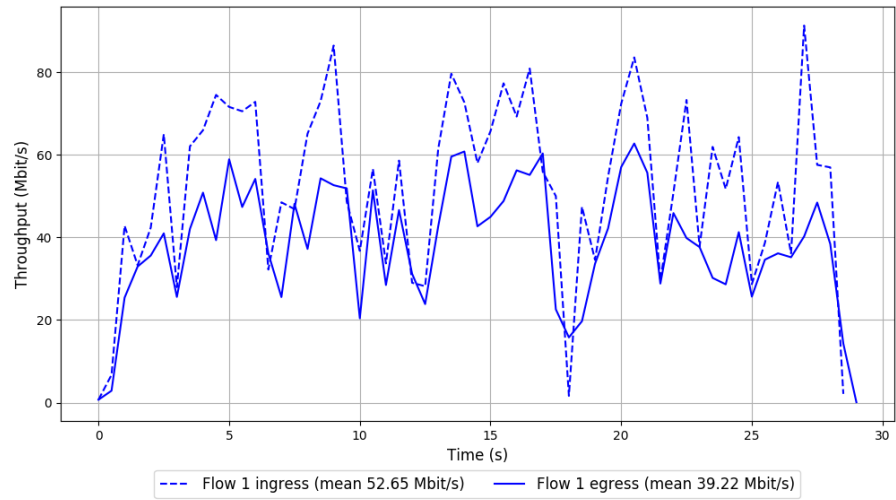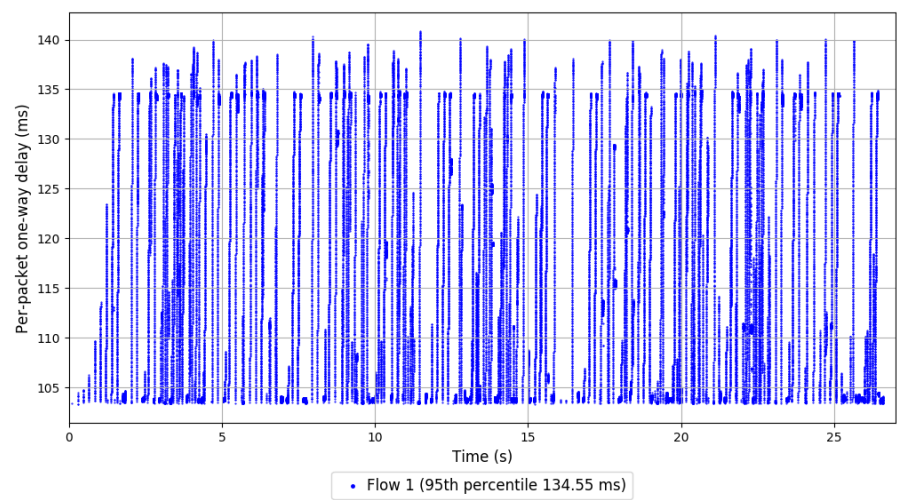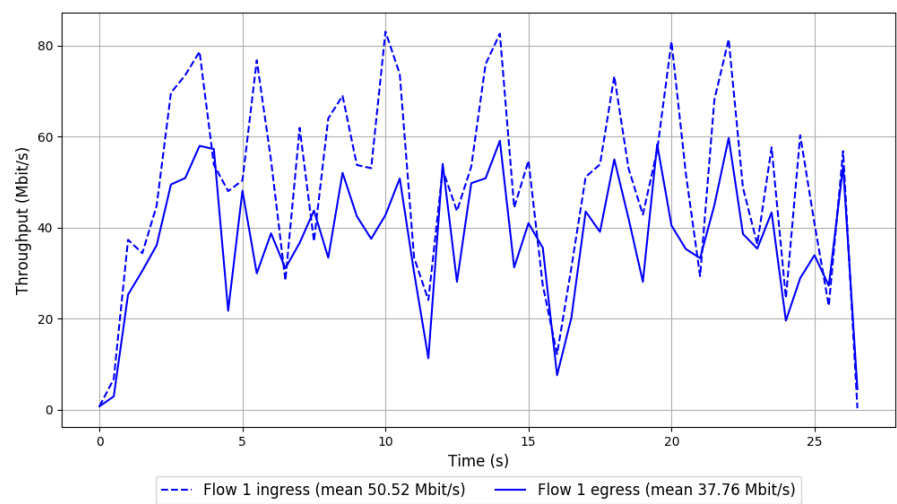
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-01-26 00:13:02
End at: 2018-01-26 00:13:32
Local clock offset: 0.312 ms
Remote clock offset: -0.109 ms


# Below is generated by plot.py at 2018-01-26 10:04:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 134.551 ms
Loss rate: 25.25%
-- Flow 1:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 134.551 ms
Loss rate: 25.25%
```
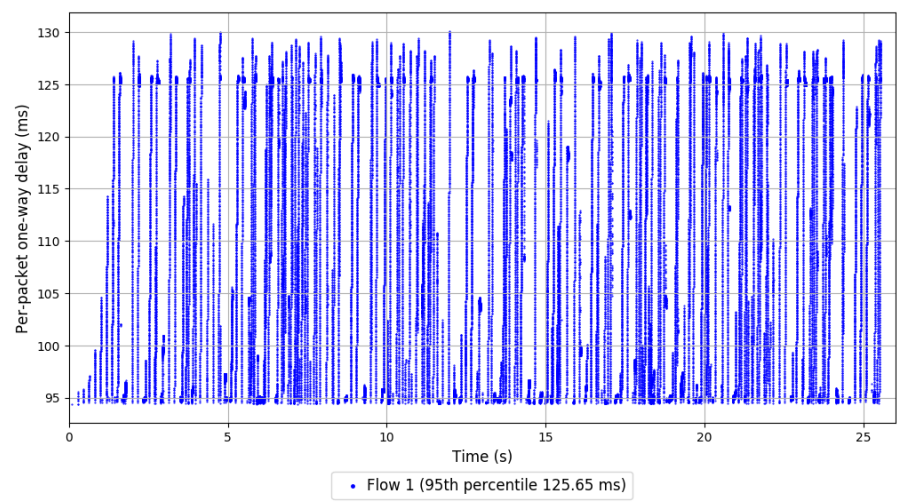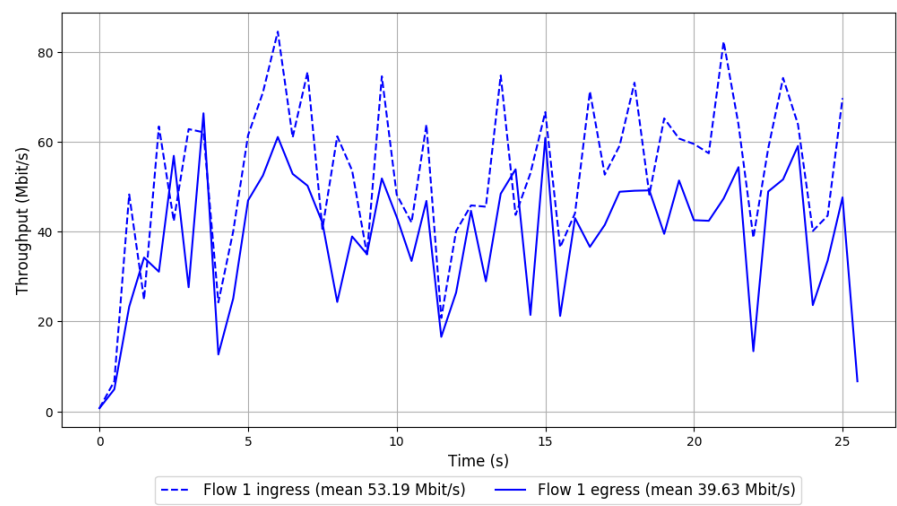
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 50.52 Mbit/s) ----- Flow 1 egress (mean 37.76 Mbit/s)

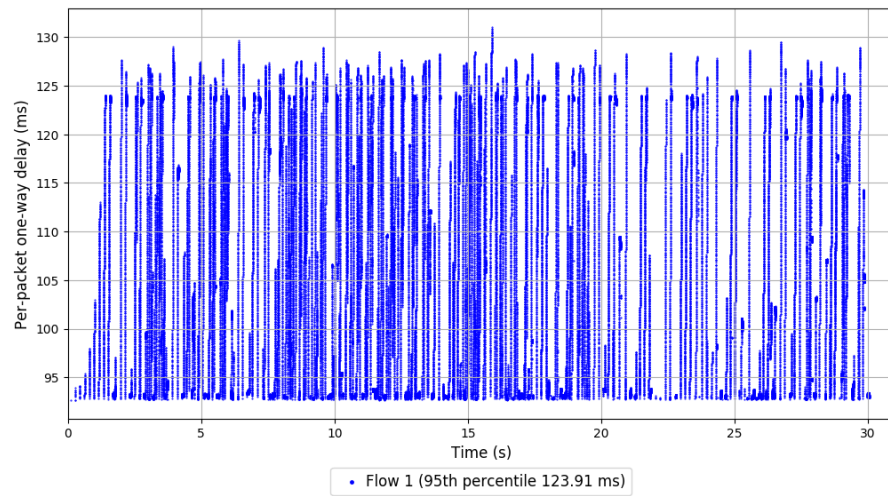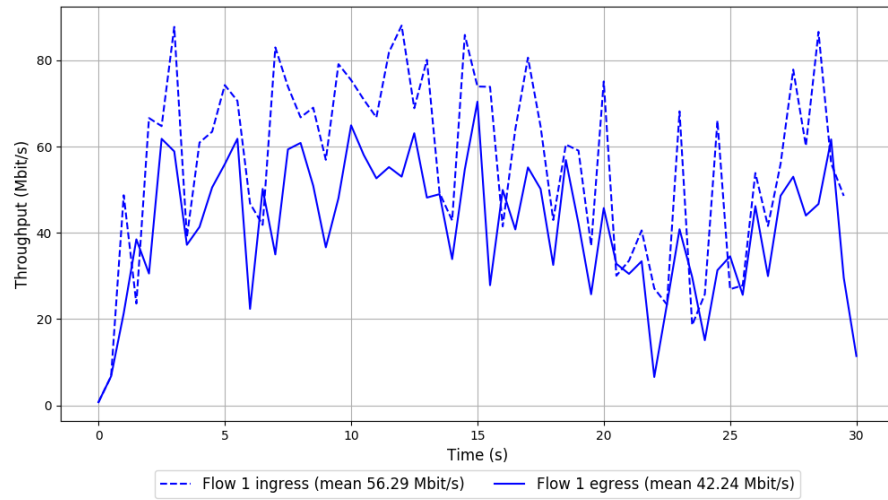

Flow 1 (95th percentile 134.55 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-01-26 00:32:38
End at: 2018-01-26 00:33:08
Local clock offset: 0.254 ms
Remote clock offset: -6.958 ms


# Below is generated by plot.py at 2018-01-26 10:04:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 125.647 ms
Loss rate: 25.40%
-- Flow 1:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 125.647 ms
Loss rate: 25.40%
```

Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 53.19 Mbit/s)   Flow 1 egress (mean 39.63 Mbit/s)

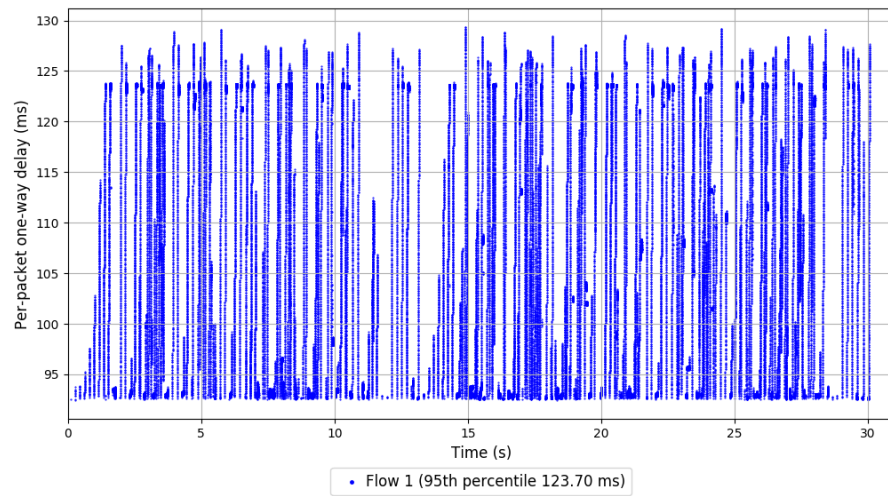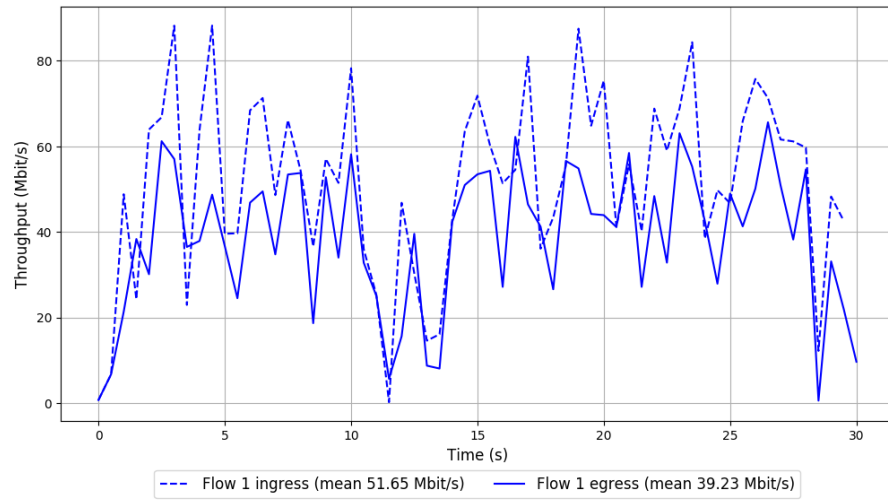
Flow 1 (95th percentile 125.65 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-01-26 00:52:17
End at: 2018-01-26 00:52:47
Local clock offset: 0.205 ms
Remote clock offset: -6.628 ms


# Below is generated by plot.py at 2018-01-26 10:04:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.24 Mbit/s
95th percentile per-packet one-way delay: 123.909 ms
Loss rate: 24.96%
-- Flow 1:
Average throughput: 42.24 Mbit/s
95th percentile per-packet one-way delay: 123.909 ms
Loss rate: 24.96%
```

Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 56.29 Mbit/s)   Flow 1 egress (mean 42.24 Mbit/s)

Flow 1 (95th percentile 123.91 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-01-26 01:12:00
End at: 2018-01-26 01:12:30
Local clock offset: 0.227 ms
Remote clock offset: -6.666 ms


# Below is generated by plot.py at 2018-01-26 10:04:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 123.697 ms
Loss rate: 23.96%
-- Flow 1:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 123.697 ms
Loss rate: 23.96%
```
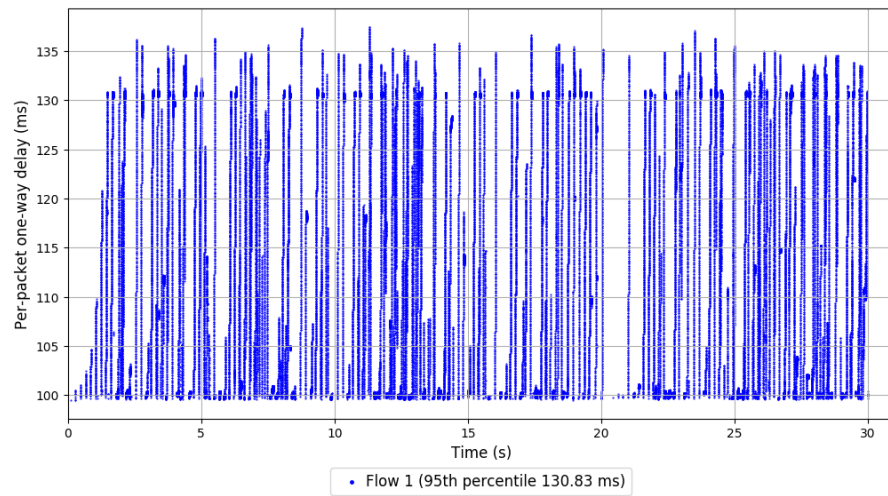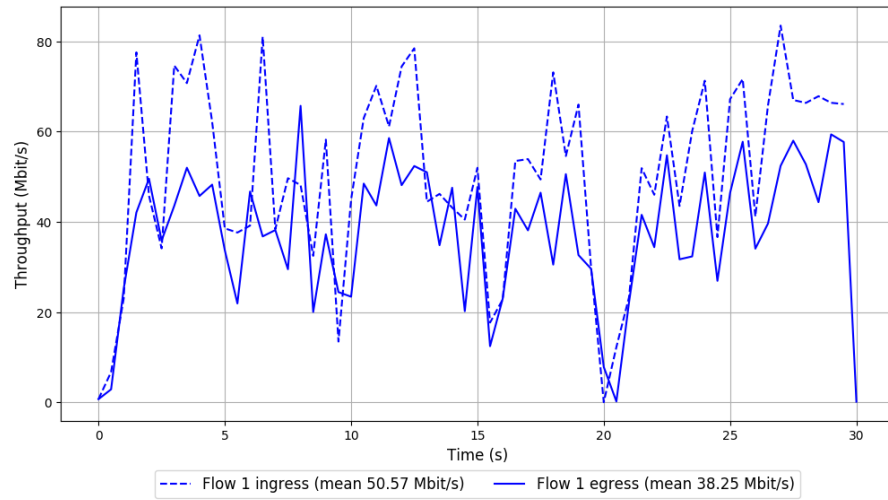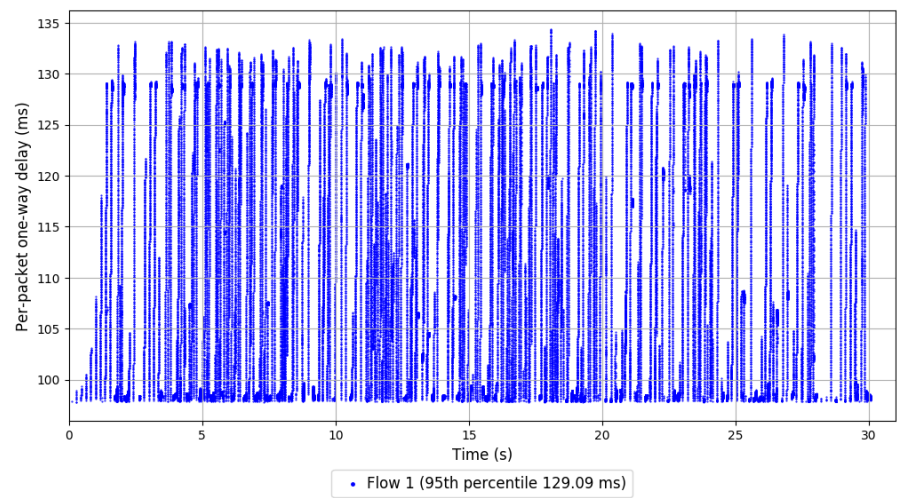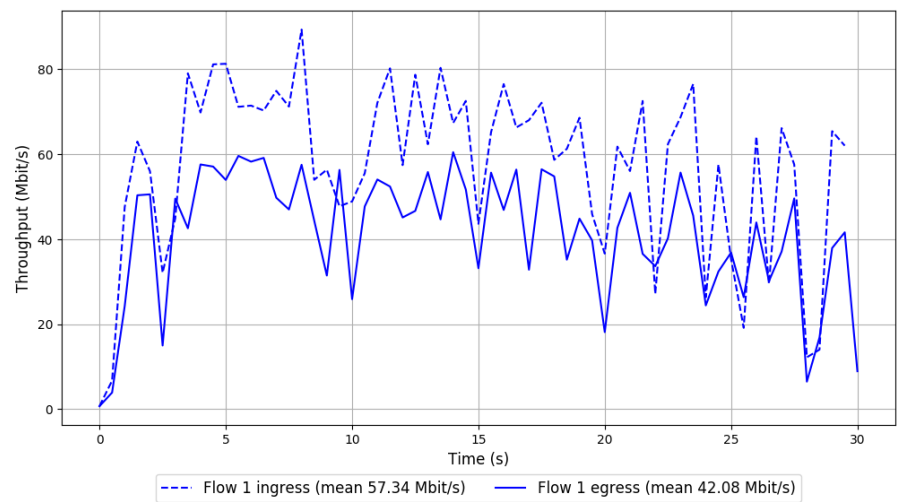
Run 5: Report of TCP BBR — Data Link

--- Flow 1 ingress (mean 51.65 Mbit/s) —— Flow 1 egress (mean 39.23 Mbit/s)

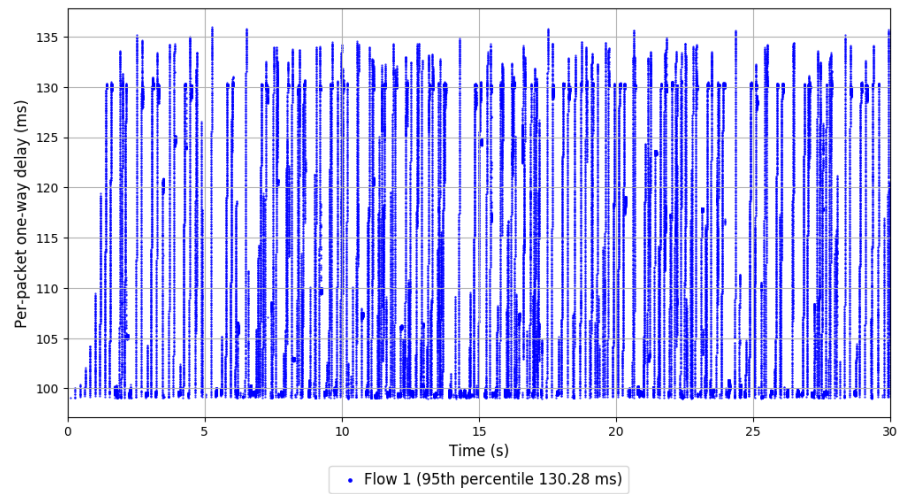
• Flow 1 (95th percentile 123.70 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-01-26 01:31:44
End at: 2018-01-26 01:32:14
Local clock offset: 0.104 ms
Remote clock offset: -7.636 ms


# Below is generated by plot.py at 2018-01-26 10:04:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 130.831 ms
Loss rate: 24.36%
-- Flow 1:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 130.831 ms
Loss rate: 24.36%
```
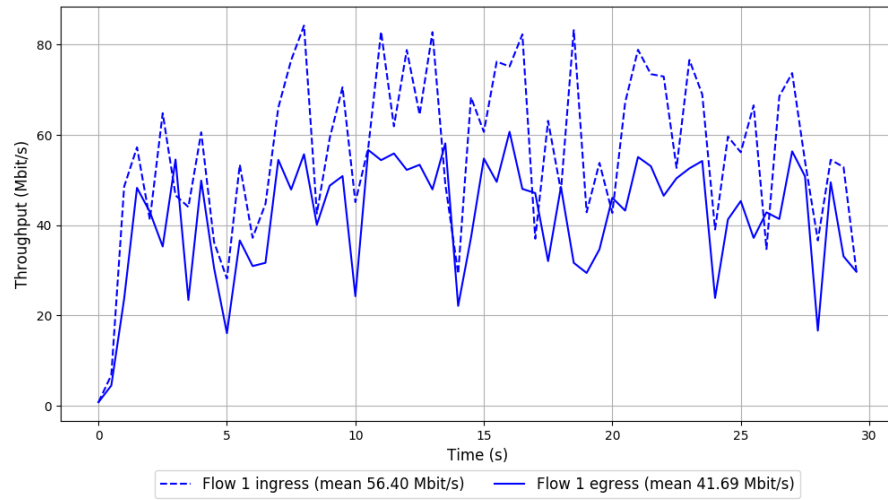
Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: 2018-01-26 01:51:22
End at: 2018-01-26 01:51:52
Local clock offset: -0.101 ms
Remote clock offset: -2.044 ms


# Below is generated by plot.py at 2018-01-26 10:04:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 129.090 ms
Loss rate: 26.62%
-- Flow 1:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 129.090 ms
Loss rate: 26.62%
```
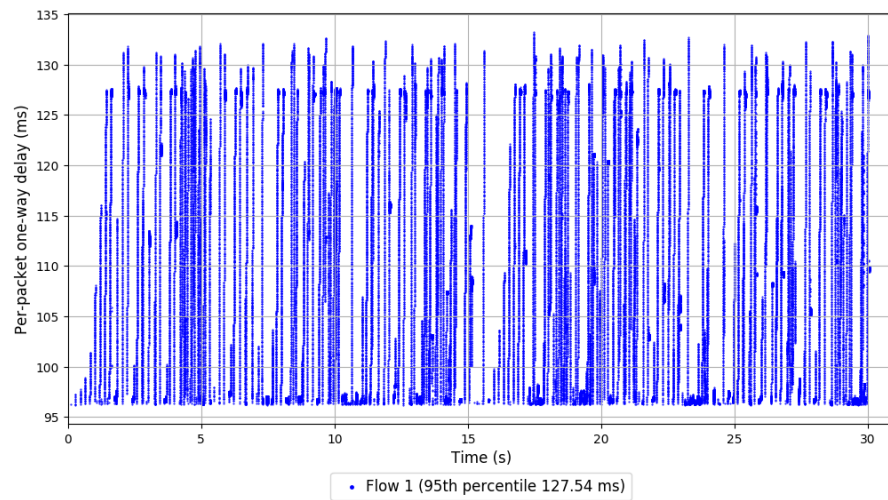
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 57.34 Mbit/s) —— Flow 1 egress (mean 42.08 Mbit/s)
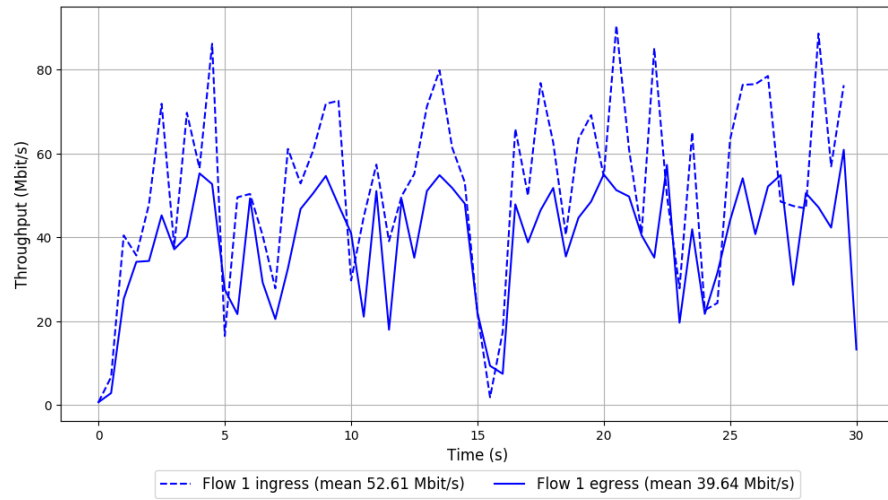

• Flow 1 (95th percentile 129.09 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2018-01-26 02:11:02
End at: 2018-01-26 02:11:32
Local clock offset: -0.162 ms
Remote clock offset: -1.991 ms


# Below is generated by plot.py at 2018-01-26 10:04:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 130.278 ms
Loss rate: 26.03%
-- Flow 1:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 130.278 ms
Loss rate: 26.03%
```
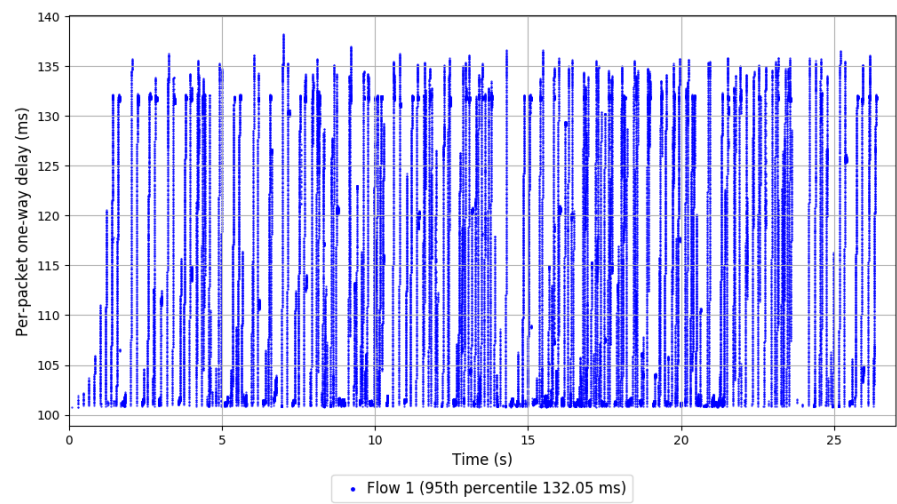
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 56.40 Mbit/s)   Flow 1 egress (mean 41.69 Mbit/s)

Flow 1 (95th percentile 130.28 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-01-26 02:30:35
End at: 2018-01-26 02:31:05
Local clock offset: -0.212 ms
Remote clock offset: -7.664 ms


# Below is generated by plot.py at 2018-01-26 10:05:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 127.543 ms
Loss rate: 24.61%
-- Flow 1:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 127.543 ms
Loss rate: 24.61%
```
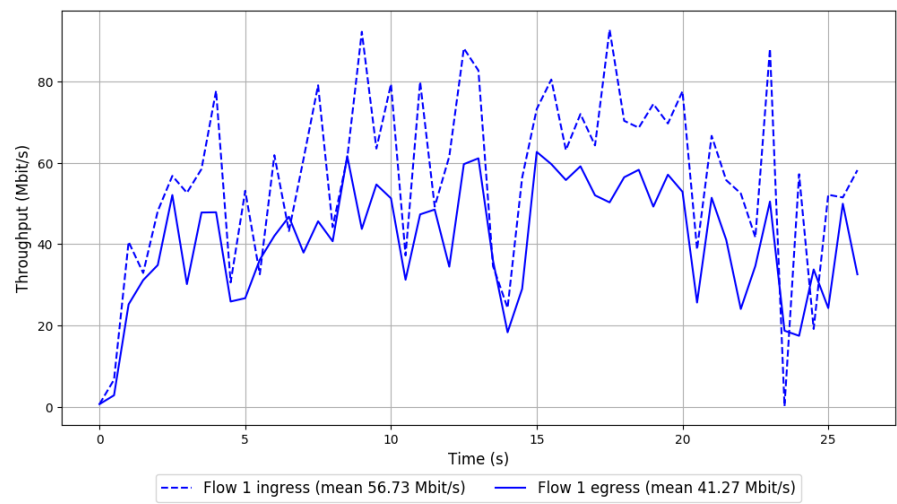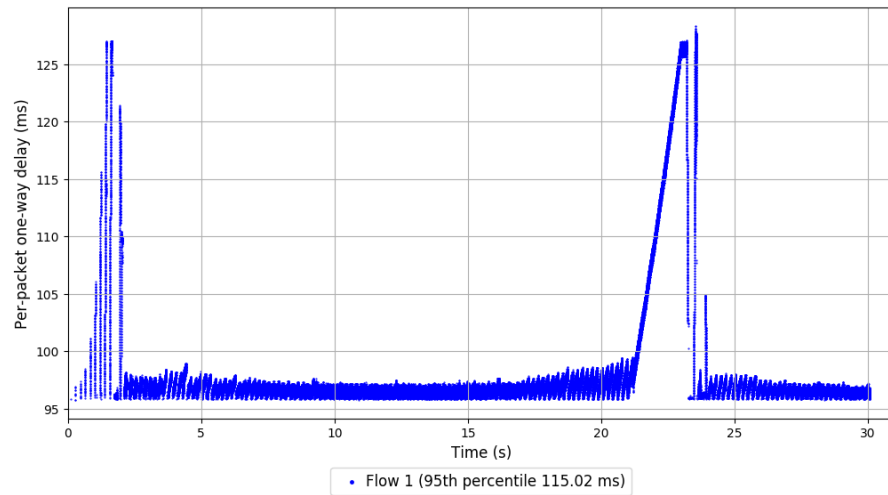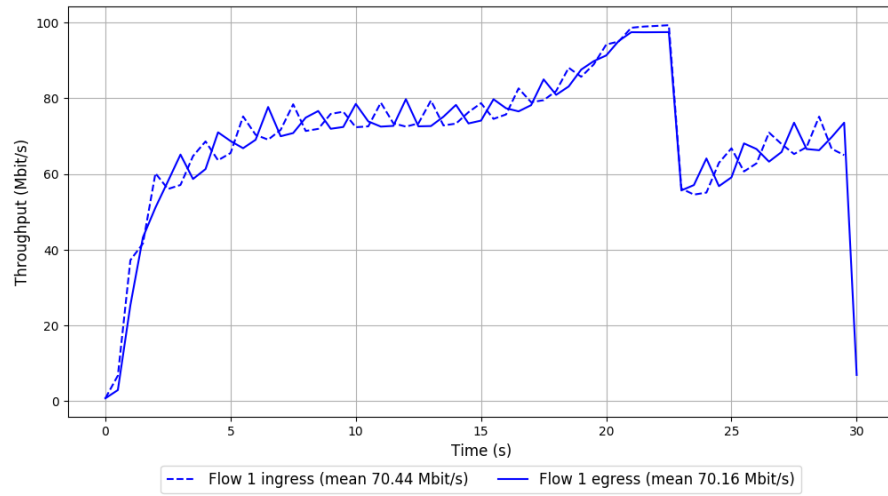
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 52.61 Mbit/s) ----   Flow 1 egress (mean 39.64 Mbit/s) ——

• Flow 1 (95th percentile 127.54 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-01-26 02:50:13
End at: 2018-01-26 02:50:43
Local clock offset: -0.35 ms
Remote clock offset: -1.777 ms


# Below is generated by plot.py at 2018-01-26 10:05:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 132.049 ms
Loss rate: 27.16%
-- Flow 1:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 132.049 ms
Loss rate: 27.16%
```
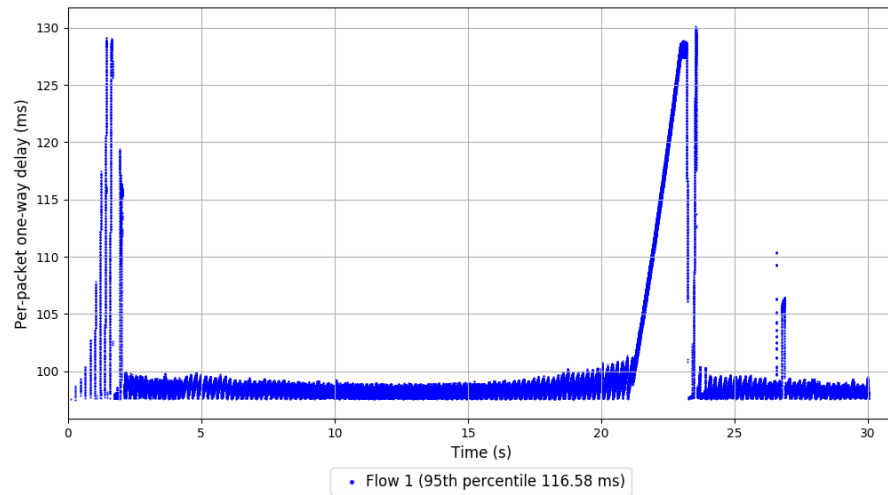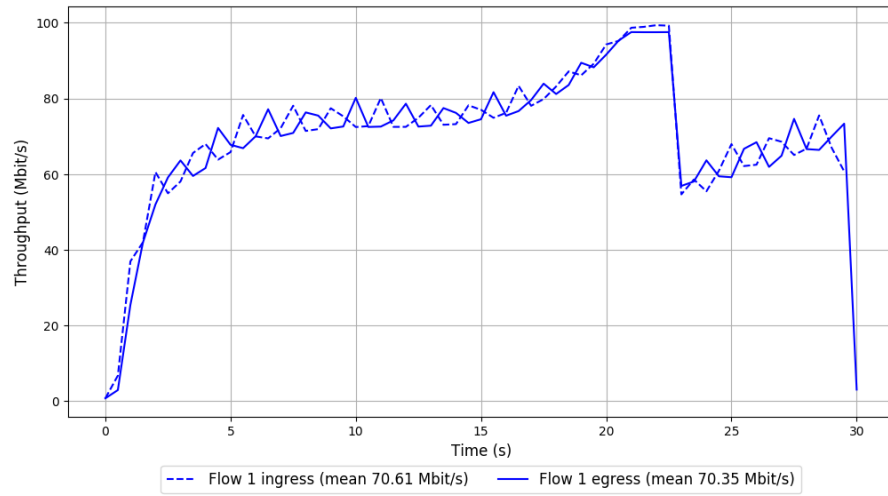
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 56.73 Mbit/s)   Flow 1 egress (mean 41.27 Mbit/s)

• Flow 1 (95th percentile 132.05 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-25 23:50:54
End at: 2018-01-25 23:51:24
Local clock offset: 0.221 ms
Remote clock offset: -5.568 ms


# Below is generated by plot.py at 2018-01-26 10:05:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 115.018 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 115.018 ms
Loss rate: 0.40%
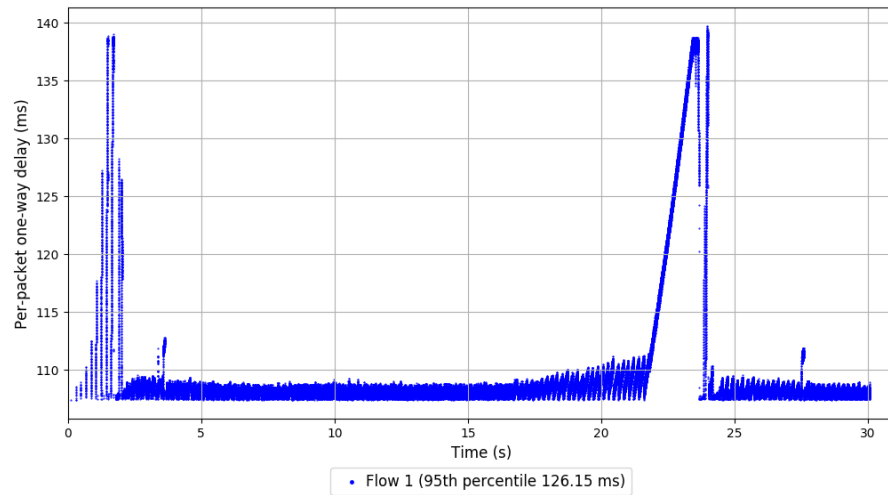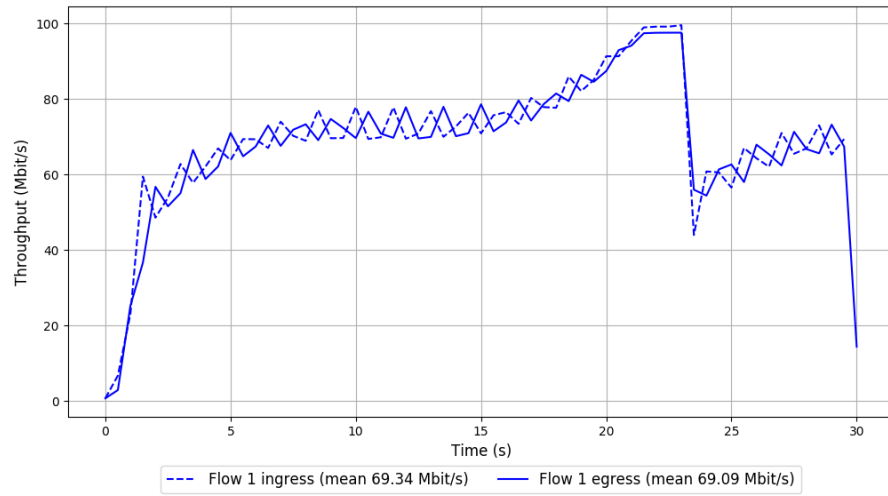```

Run 1: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 70.44 Mbit/s)    Flow 1 egress (mean 70.16 Mbit/s)
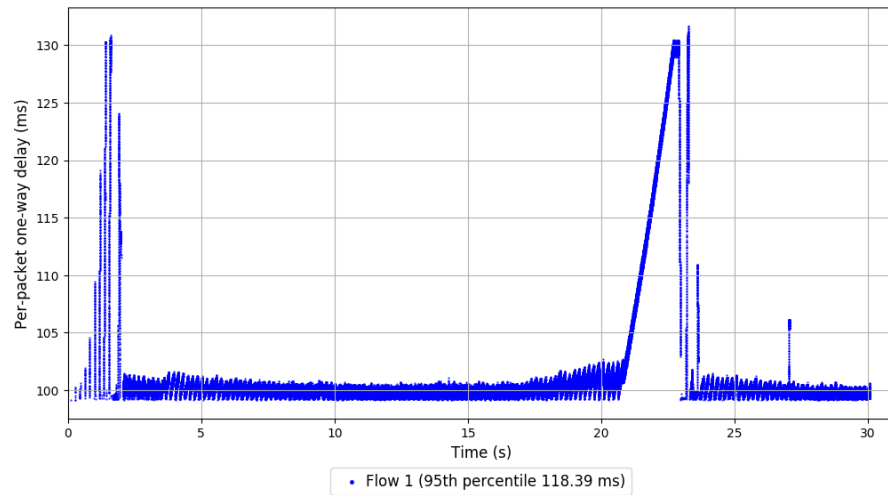


Flow 1 (95th percentile 115.02 ms)

```
Run 2: Statistics of TCP Cubic

Start at: 2018-01-26 00:10:37
End at: 2018-01-26 00:11:07
Local clock offset: 0.33 ms
Remote clock offset: -5.845 ms

Below is generated by plot.py at 2018-01-26 10:05:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 116.582 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 116.582 ms
Loss rate: 0.36%
```
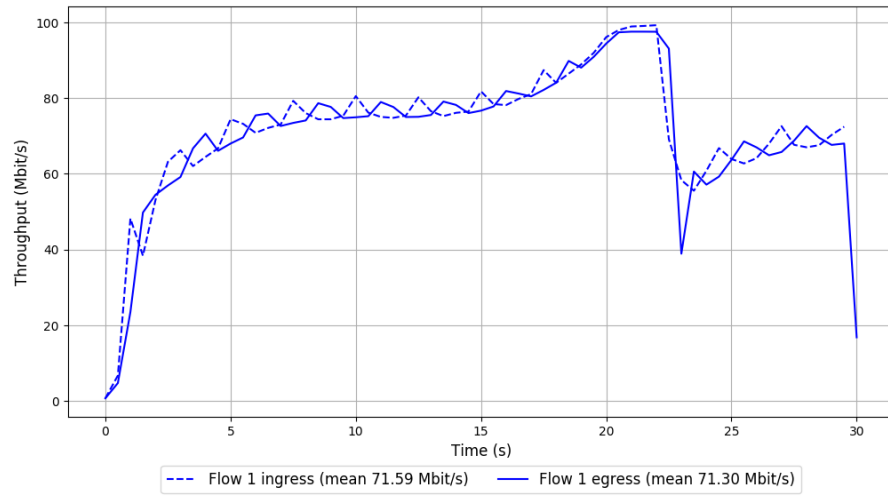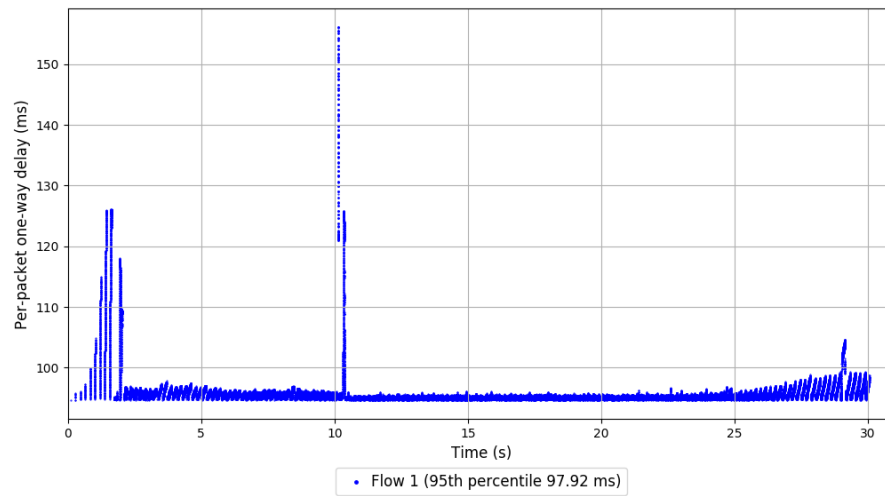
Run 2: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 70.61 Mbit/s)    —— Flow 1 egress (mean 70.35 Mbit/s)



• Flow 1 (95th percentile 116.58 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 00:30:14
End at: 2018-01-26 00:30:44
Local clock offset: 0.265 ms
Remote clock offset: -1.287 ms

Below is generated by plot.py at 2018-01-26 10:05:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.09 Mbit/s
95th percentile per-packet one-way delay: 126.152 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 69.09 Mbit/s
95th percentile per-packet one-way delay: 126.152 ms
Loss rate: 0.36%
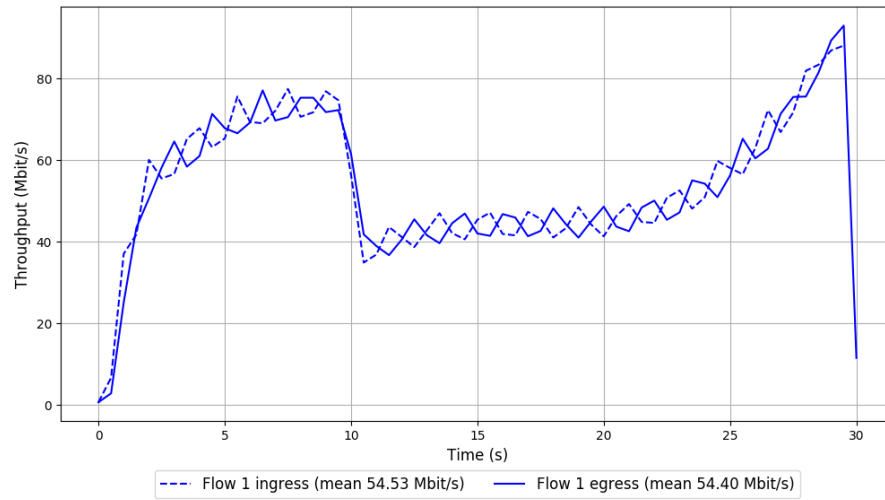```

Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 69.34 Mbit/s) ---- Flow 1 egress (mean 69.09 Mbit/s) ——
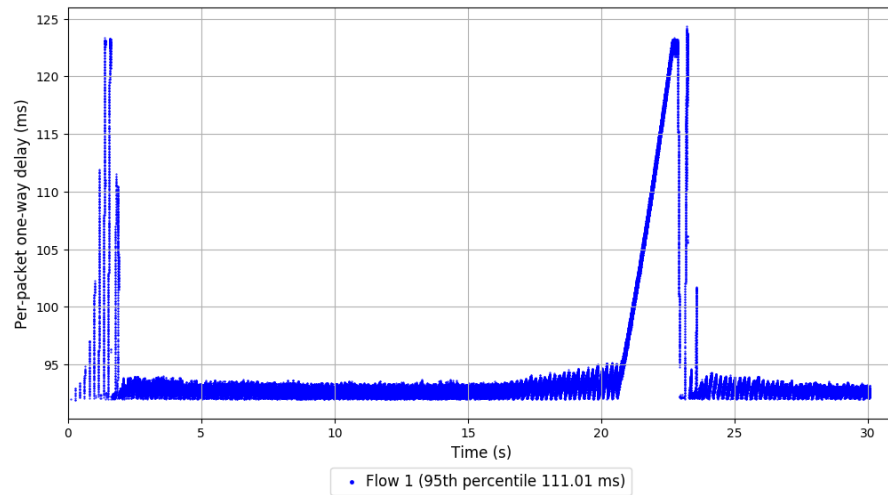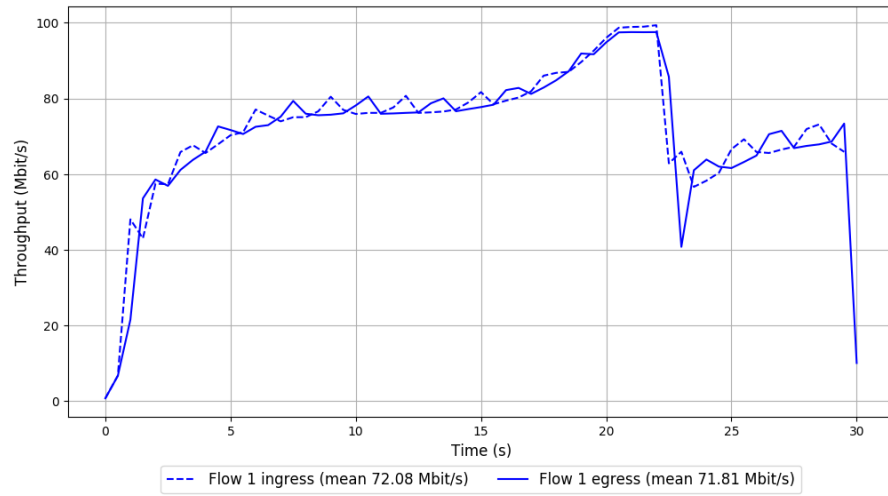

Flow 1 (95th percentile 126.15 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 00:49:53
End at: 2018-01-26 00:50:23
Local clock offset: 0.233 ms
Remote clock offset: -1.739 ms


# Below is generated by plot.py at 2018-01-26 10:05:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.30 Mbit/s
95th percentile per-packet one-way delay: 118.395 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 71.30 Mbit/s
95th percentile per-packet one-way delay: 118.395 ms
Loss rate: 0.40%
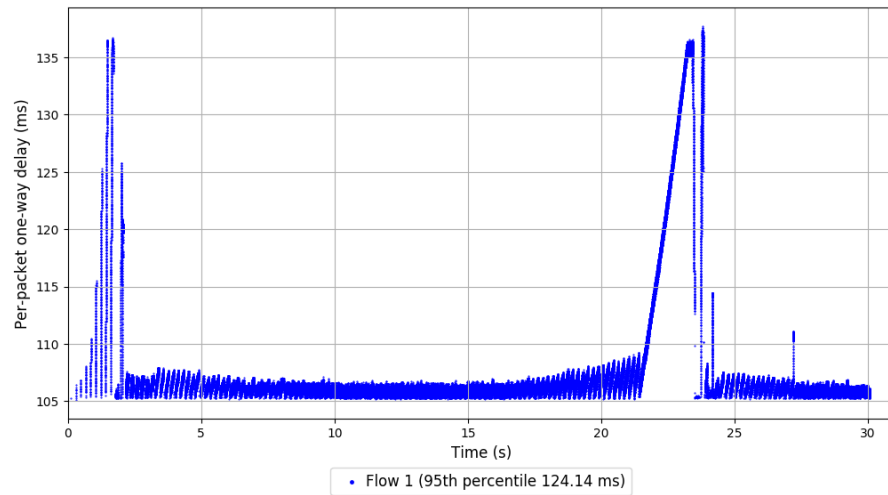```
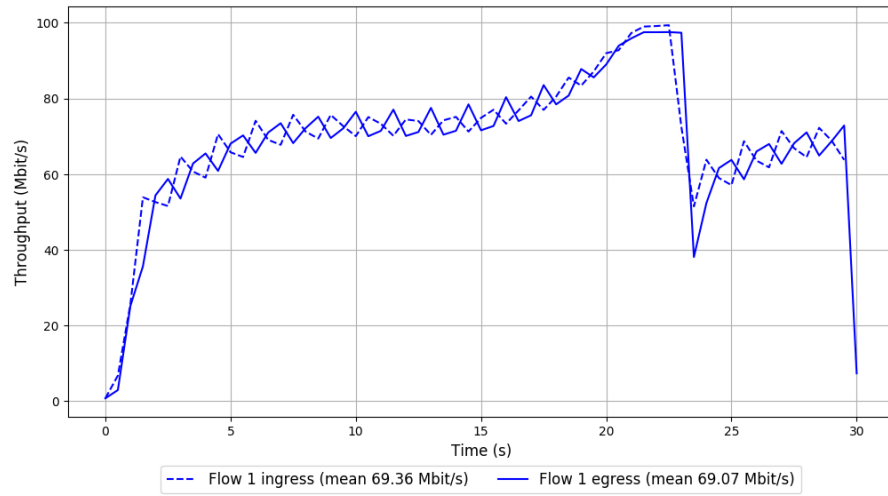
Run 4: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 71.59 Mbit/s) — Flow 1 egress (mean 71.30 Mbit/s)

Flow 1 (95th percentile 118.39 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-01-26 01:09:36
End at: 2018-01-26 01:10:06
Local clock offset: 0.225 ms
Remote clock offset: -7.656 ms

Below is generated by plot.py at 2018-01-26 10:05:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 97.921 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 97.921 ms
Loss rate: 0.24%
```
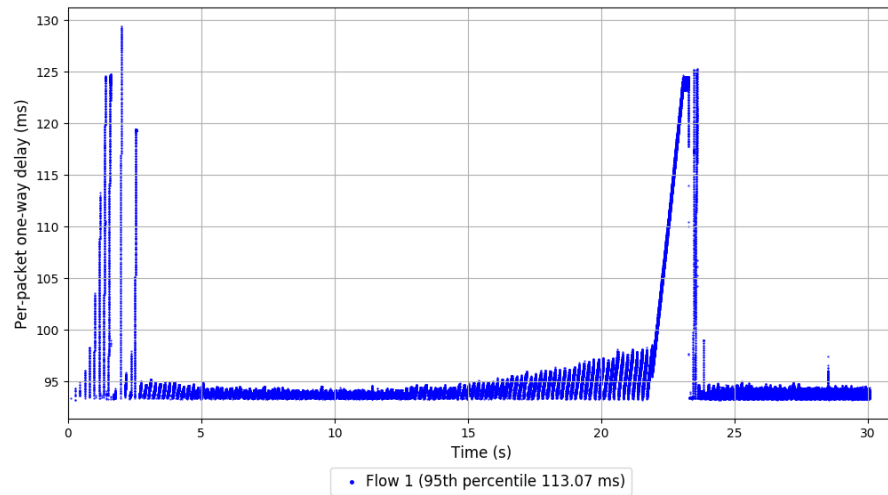
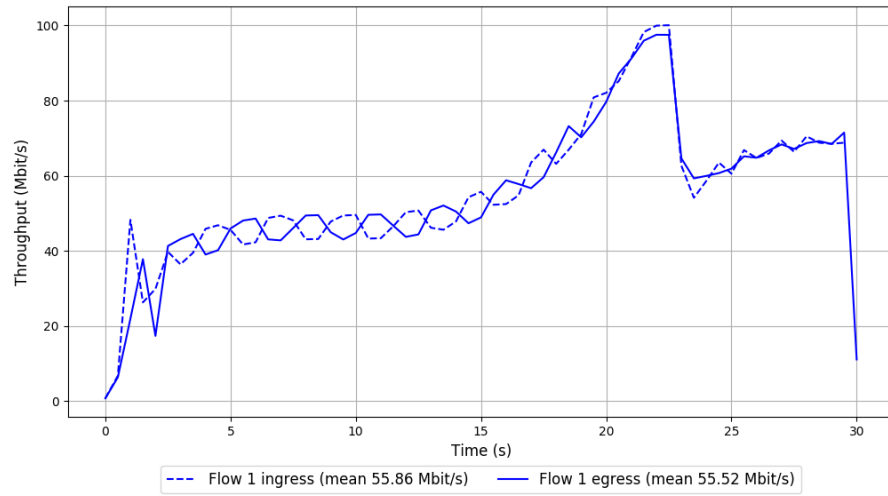Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 01:29:14
End at: 2018-01-26 01:29:44
Local clock offset: 0.142 ms
Remote clock offset: -6.735 ms


# Below is generated by plot.py at 2018-01-26 10:05:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 111.013 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 111.013 ms
Loss rate: 0.37%
```

Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 72.08 Mbit/s) --- Flow 1 egress (mean 71.81 Mbit/s)
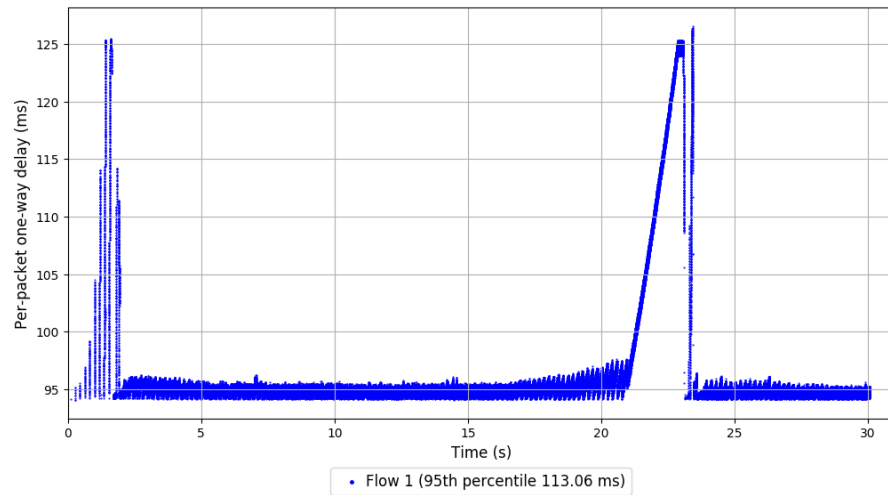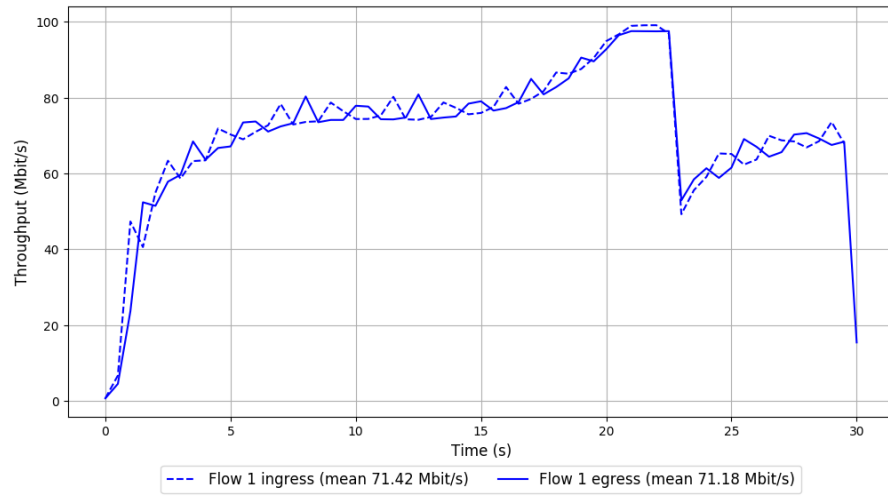

Flow 1 (95th percentile 111.01 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-01-26 01:48:58
End at: 2018-01-26 01:49:28
Local clock offset: -0.127 ms
Remote clock offset: -1.914 ms


# Below is generated by plot.py at 2018-01-26 10:06:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.07 Mbit/s
95th percentile per-packet one-way delay: 124.140 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 69.07 Mbit/s
95th percentile per-packet one-way delay: 124.140 ms
Loss rate: 0.44%
```

Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 69.36 Mbit/s)   Flow 1 egress (mean 69.07 Mbit/s)

Flow 1 (95th percentile 124.14 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-01-26 02:08:39
End at: 2018-01-26 02:09:09
Local clock offset: -0.237 ms
Remote clock offset: -6.858 ms


# Below is generated by plot.py at 2018-01-26 10:06:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.52 Mbit/s
95th percentile per-packet one-way delay: 113.067 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 55.52 Mbit/s
95th percentile per-packet one-way delay: 113.067 ms
Loss rate: 0.61%
```
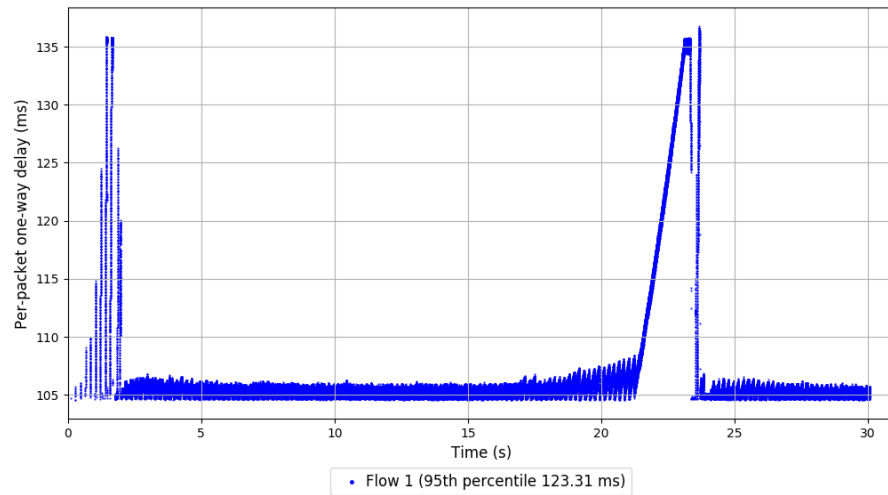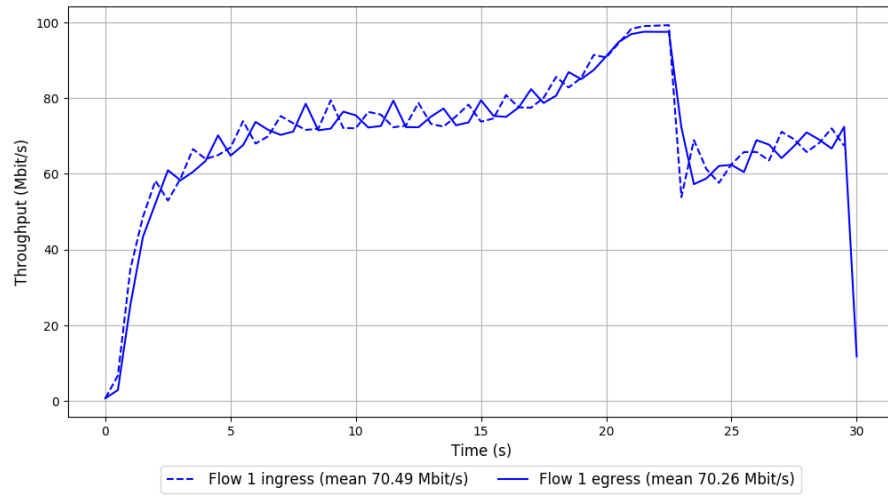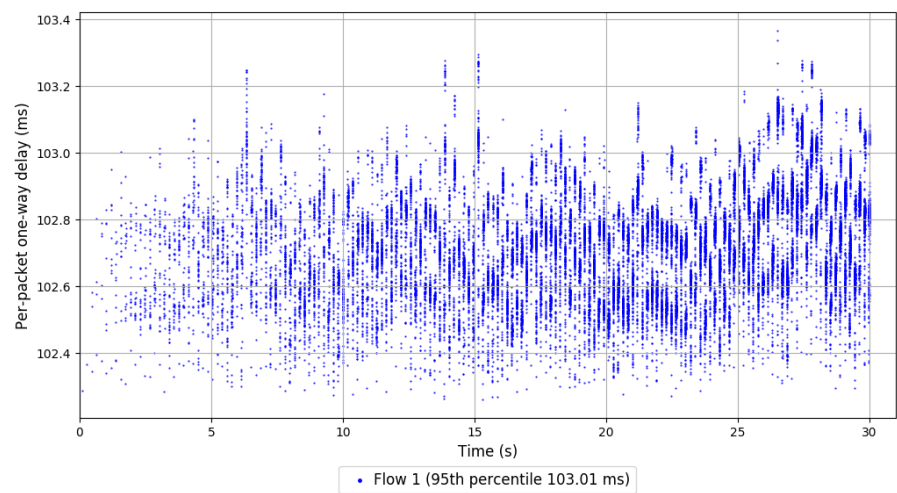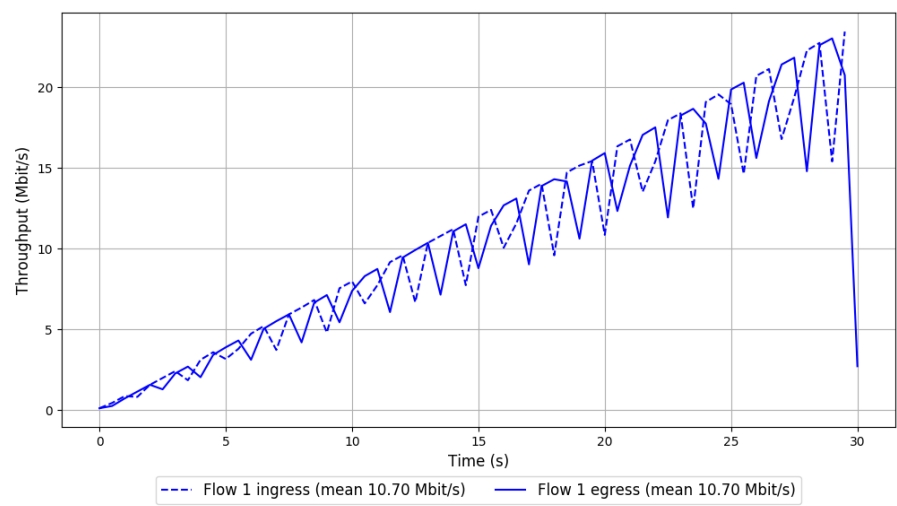
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 55.86 Mbit/s) --- Flow 1 egress (mean 55.52 Mbit/s)

Flow 1 (95th percentile 113.07 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-01-26 02:28:11
End at: 2018-01-26 02:28:41
Local clock offset: -0.222 ms
Remote clock offset: -7.712 ms


# Below is generated by plot.py at 2018-01-26 10:06:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.18 Mbit/s
95th percentile per-packet one-way delay: 113.063 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 71.18 Mbit/s
95th percentile per-packet one-way delay: 113.063 ms
Loss rate: 0.33%
```
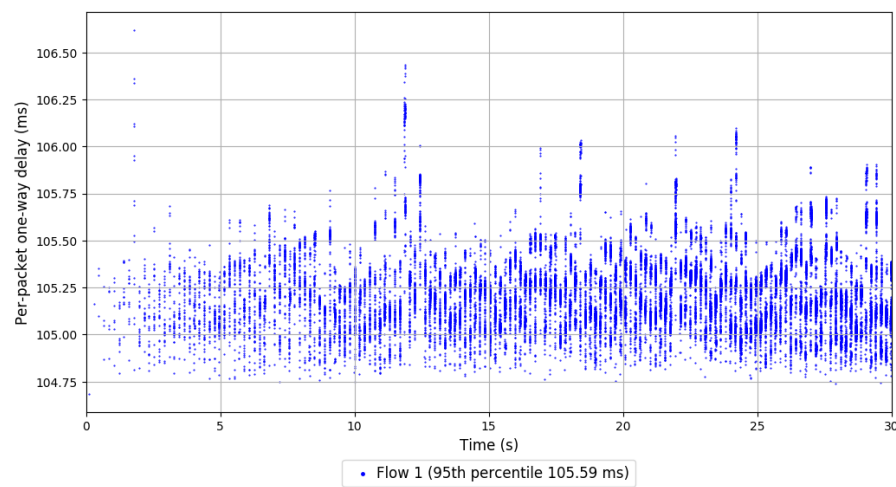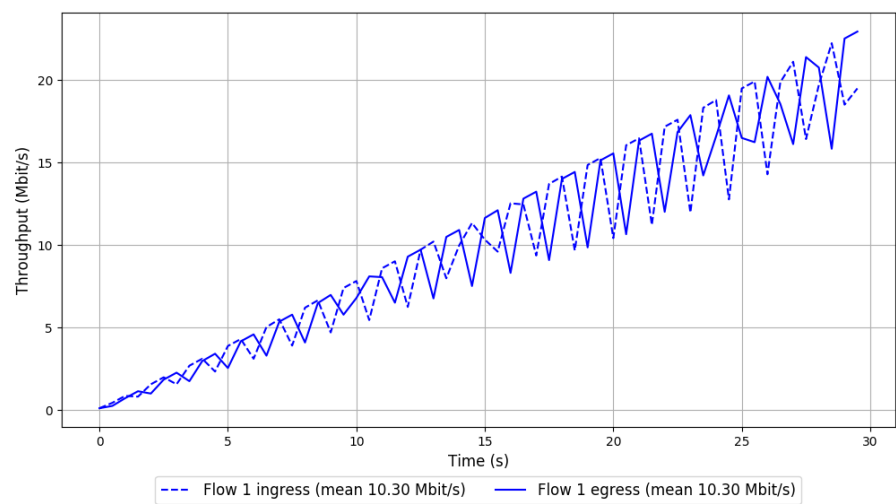
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 71.42 Mbit/s)   —— Flow 1 egress (mean 71.18 Mbit/s)

• Flow 1 (95th percentile 113.06 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 02:47:49
End at: 2018-01-26 02:48:19
Local clock offset: -0.319 ms
Remote clock offset: -0.905 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 123.305 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 123.305 ms
Loss rate: 0.34%
```

Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2018-01-25 23:54:32
End at: 2018-01-25 23:55:02
Local clock offset: 0.276 ms
Remote clock offset: -0.782 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.70 Mbit/s
95th percentile per-packet one-way delay: 103.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.70 Mbit/s
95th percentile per-packet one-way delay: 103.008 ms
Loss rate: 0.00%
```
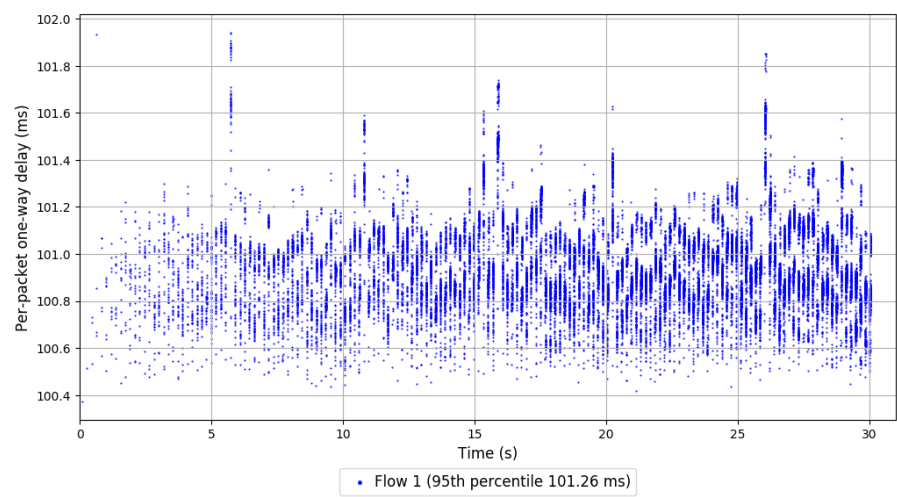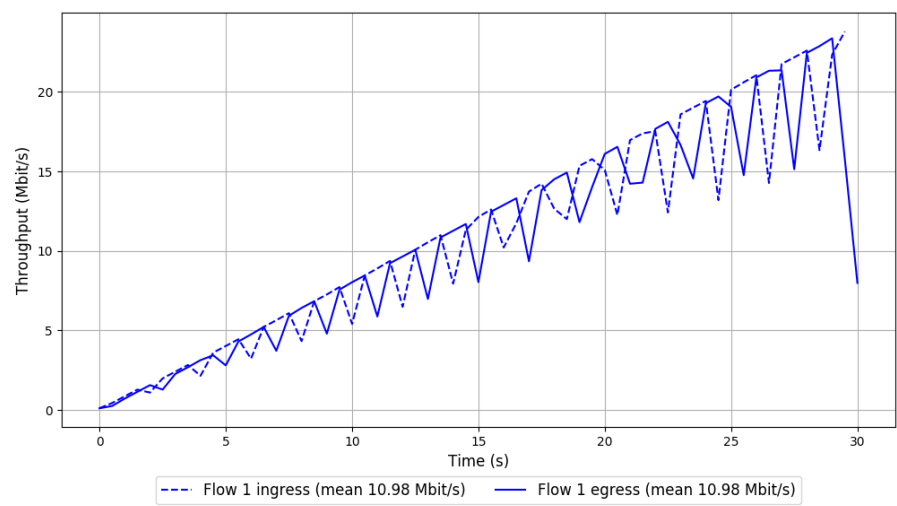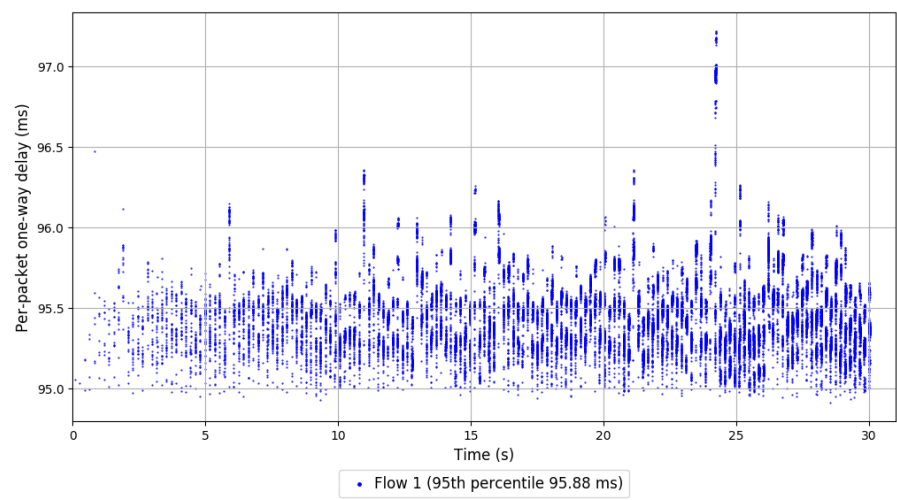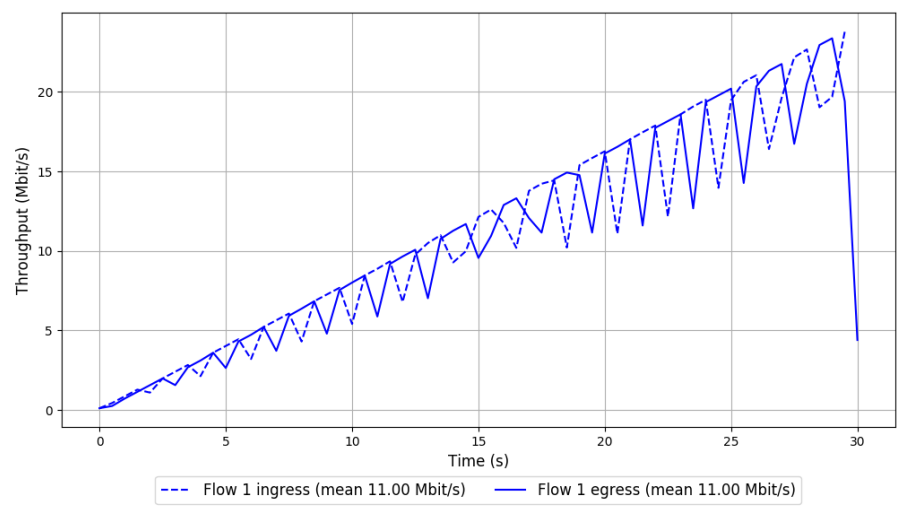
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2018-01-26 00:14:15
End at: 2018-01-26 00:14:45
Local clock offset: 0.329 ms
Remote clock offset: -1.956 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 105.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 105.595 ms
Loss rate: 0.00%
```
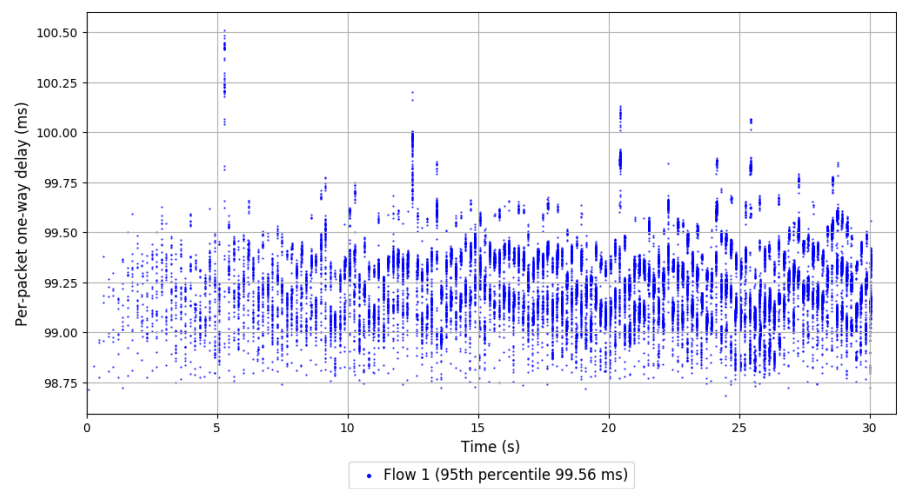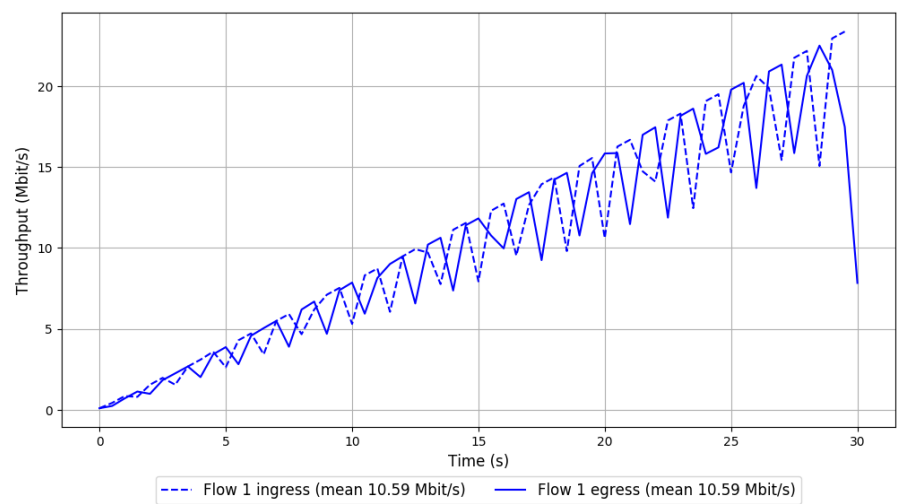
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2018-01-26 00:33:51
End at: 2018-01-26 00:34:21
Local clock offset: 0.251 ms
Remote clock offset: -1.33 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 101.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 101.259 ms
Loss rate: 0.00%
```

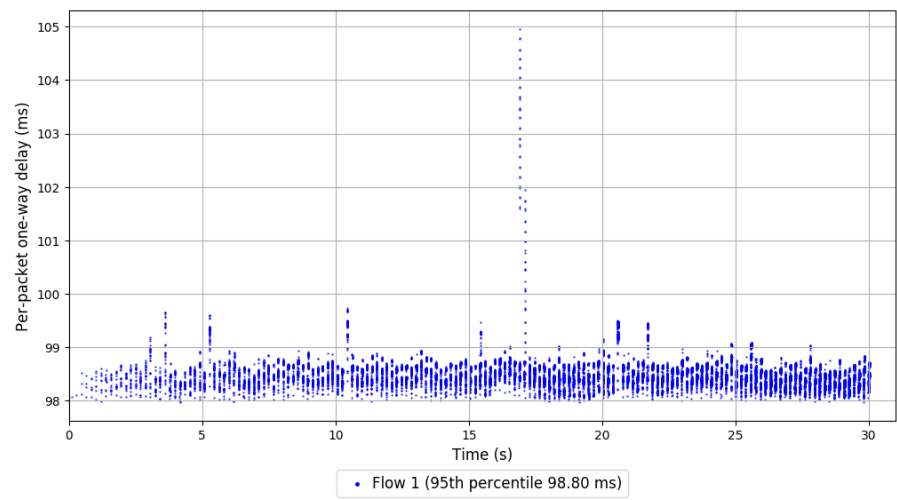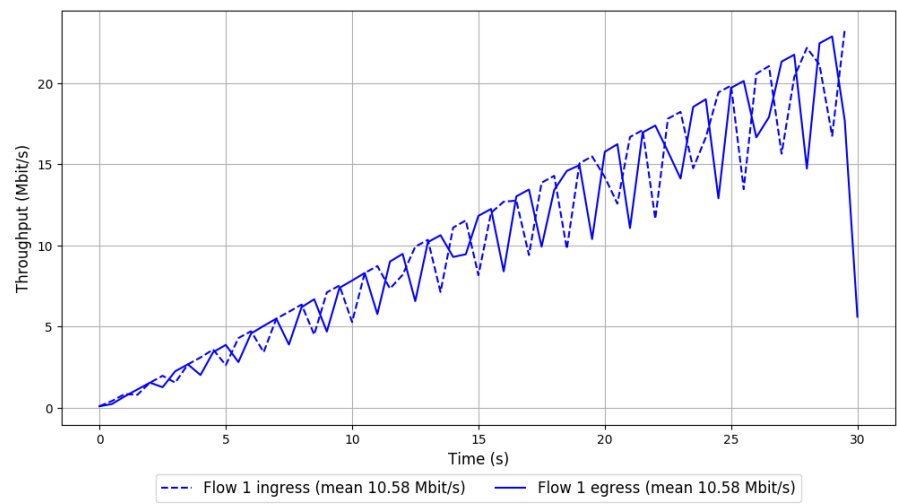Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.98 Mbit/s)   Flow 1 egress (mean 10.98 Mbit/s)

Flow 1 (95th percentile 101.26 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-01-26 00:53:31
End at: 2018-01-26 00:54:01
Local clock offset: 0.207 ms
Remote clock offset: -6.649 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 95.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 95.876 ms
Loss rate: 0.00%
```

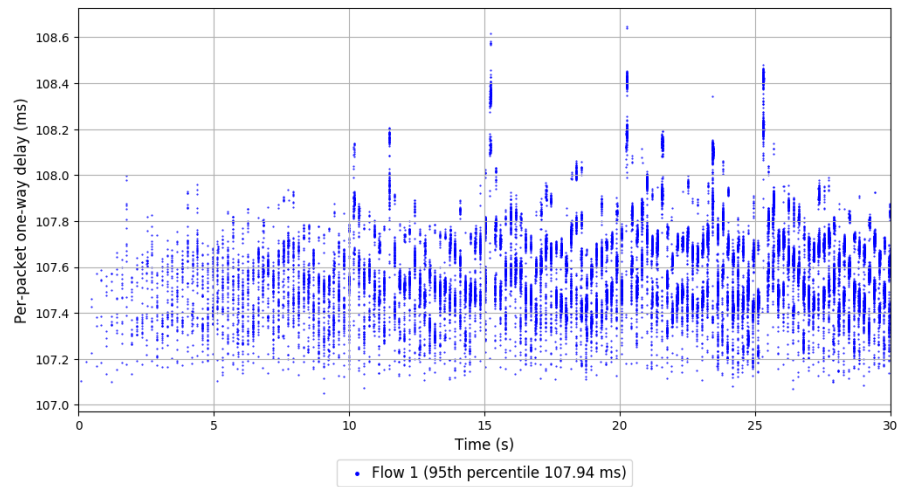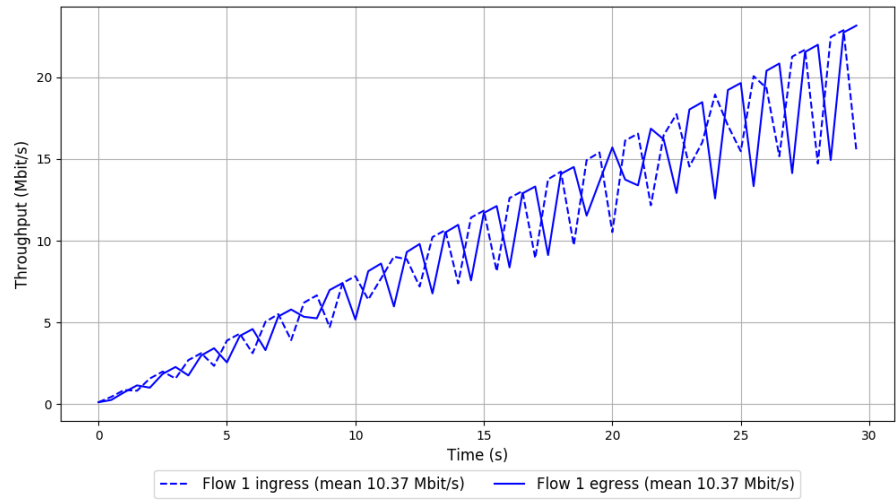# Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 11.00 Mbit/s) Flow 1 egress (mean 11.00 Mbit/s)

• Flow 1 (95th percentile 95.88 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2018-01-26 01:13:13
End at: 2018-01-26 01:13:43
Local clock offset: 0.201 ms
Remote clock offset: -6.735 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 99.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 99.557 ms
Loss rate: 0.00%
```

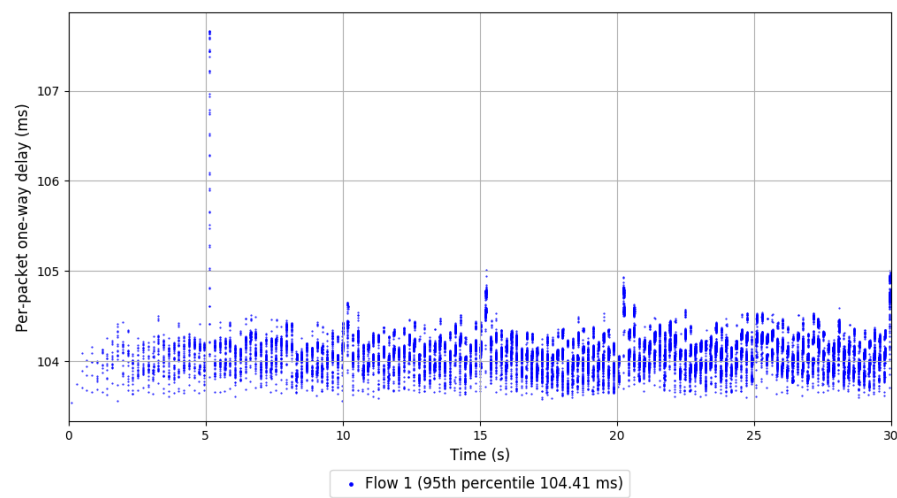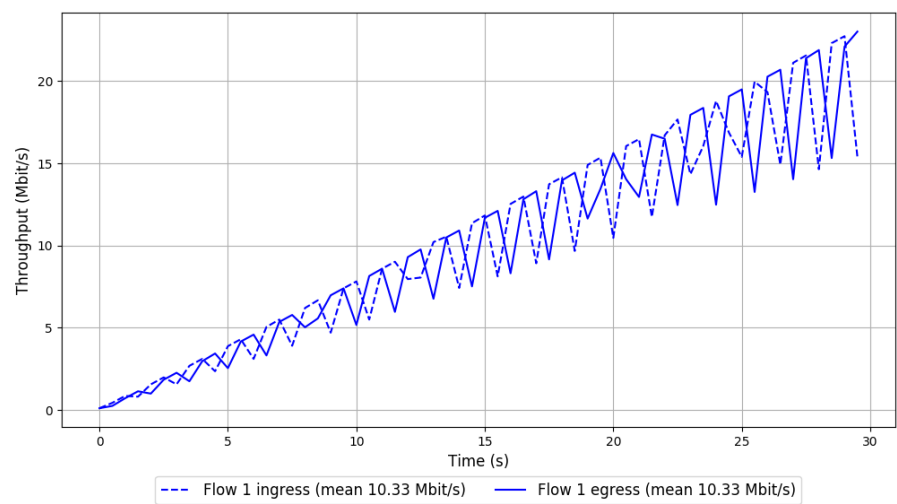## Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2018-01-26 01:32:57
End at: 2018-01-26 01:33:27
Local clock offset: 0.045 ms
Remote clock offset: -7.548 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 98.798 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 98.798 ms
Loss rate: 0.00%
```

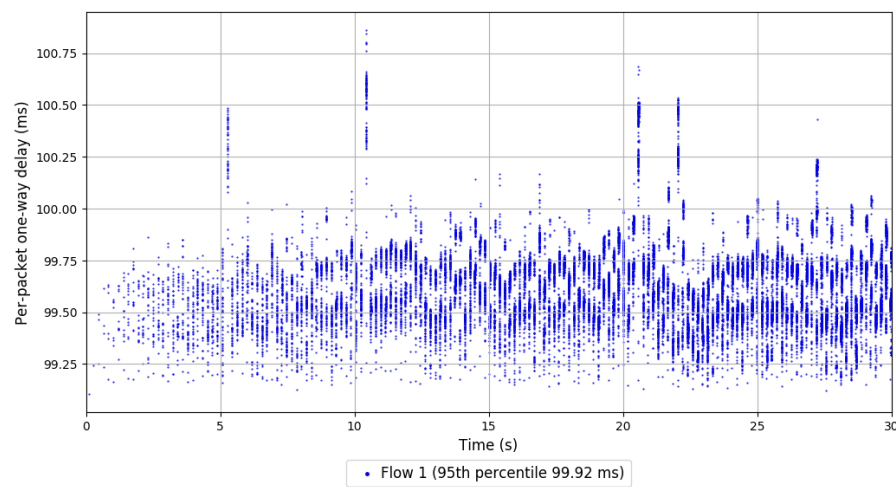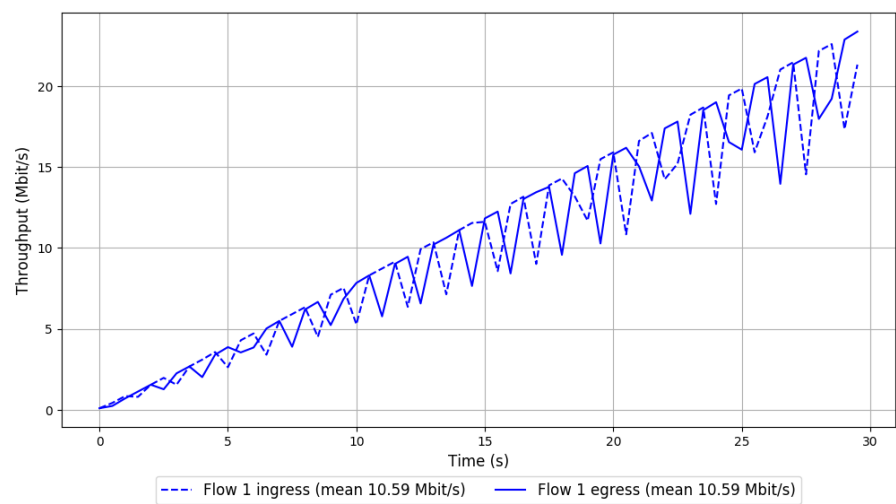# Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2018-01-26 01:52:35
End at: 2018-01-26 01:53:05
Local clock offset: -0.173 ms
Remote clock offset: -2.069 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 107.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 107.936 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.37 Mbit/s) --- Flow 1 egress (mean 10.37 Mbit/s)
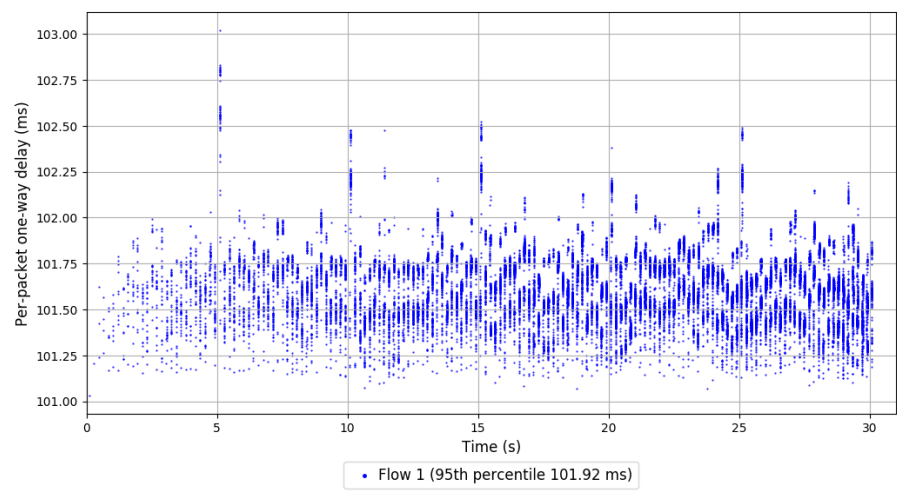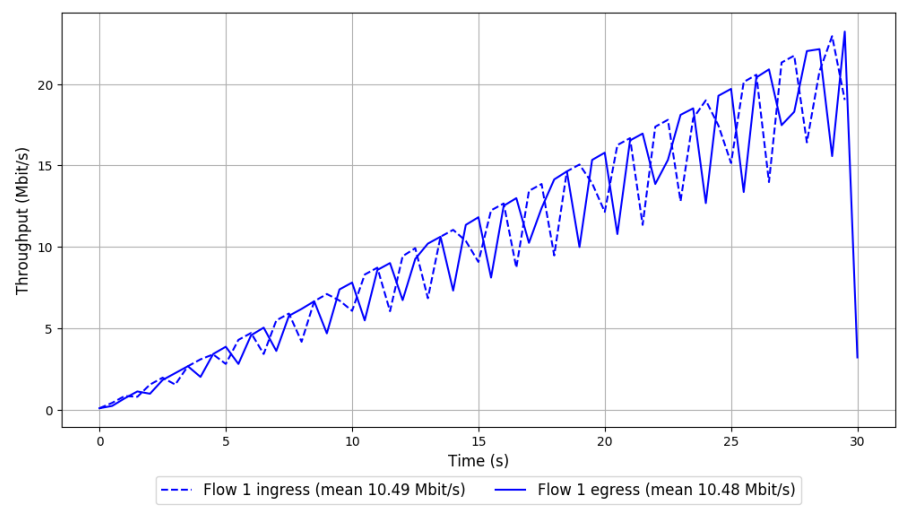

• Flow 1 (95th percentile 107.94 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2018-01-26 02:12:15
End at: 2018-01-26 02:12:45
Local clock offset: -0.191 ms
Remote clock offset: -1.941 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 104.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 104.408 ms
Loss rate: 0.00%
```
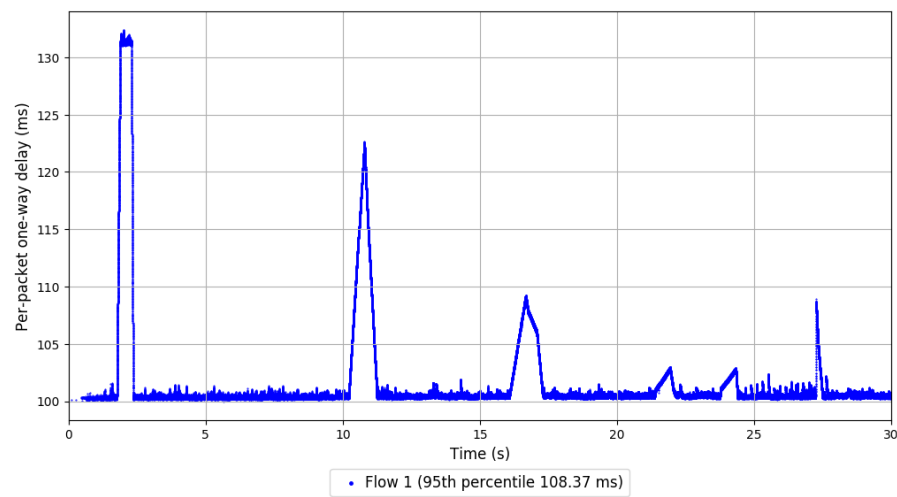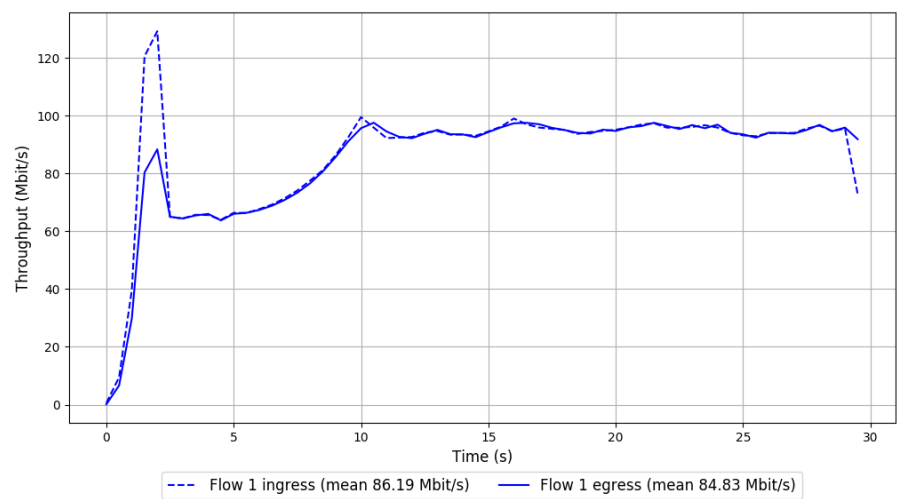
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.33 Mbit/s) — Flow 1 egress (mean 10.33 Mbit/s)

Flow 1 (95th percentile 104.41 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-01-26 02:31:48
End at: 2018-01-26 02:32:18
Local clock offset: -0.227 ms
Remote clock offset: -7.688 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 99.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 99.915 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.59 Mbit/s)   Flow 1 egress (mean 10.59 Mbit/s)

Flow 1 (95th percentile 99.92 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2018-01-26 02:51:26
End at: 2018-01-26 02:51:56
Local clock offset: -0.425 ms
Remote clock offset: -2.651 ms


# Below is generated by plot.py at 2018-01-26 10:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 101.920 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 101.920 ms
Loss rate: 0.04%
```

Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2018-01-25 23:58:17
End at: 2018-01-25 23:58:47
Local clock offset: 0.302 ms
Remote clock offset: -0.835 ms


# Below is generated by plot.py at 2018-01-26 10:07:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 108.367 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 108.367 ms
Loss rate: 1.57%
```

Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2018-01-26 00:17:59
End at: 2018-01-26 00:18:29
Local clock offset: 0.319 ms
Remote clock offset: -0.256 ms


# Below is generated by plot.py at 2018-01-26 10:07:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 120.436 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 120.436 ms
Loss rate: 1.61%
```
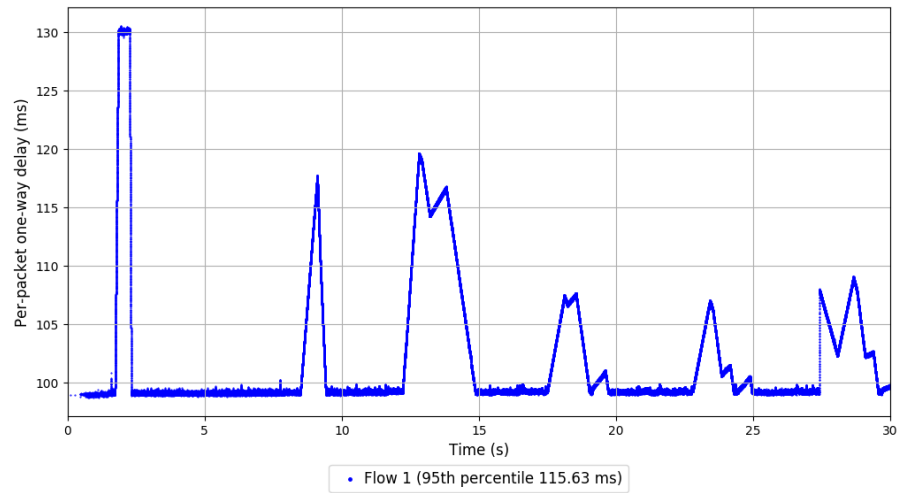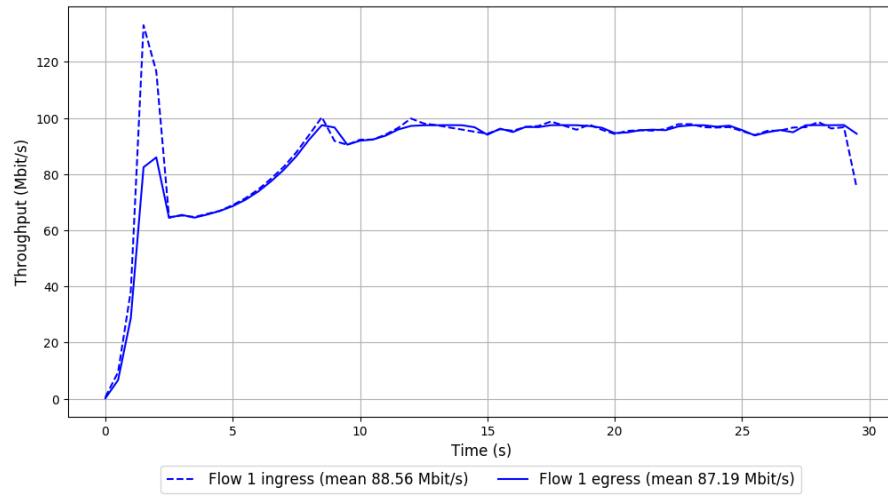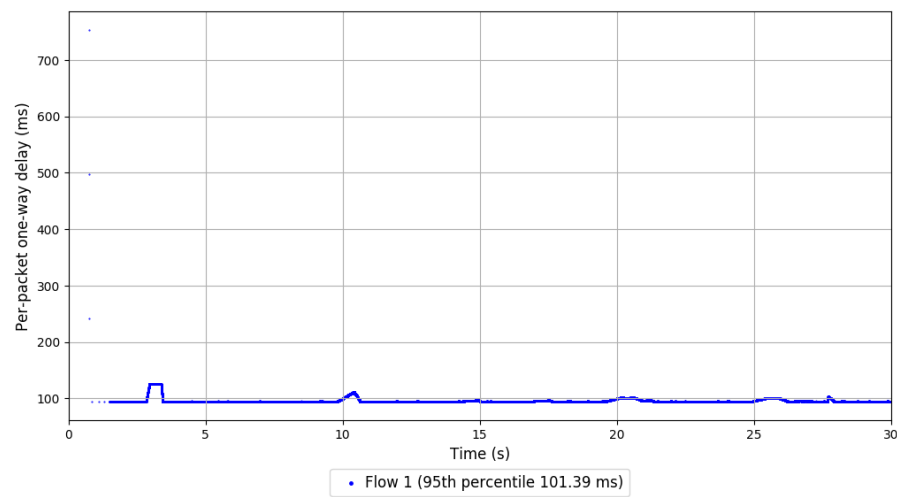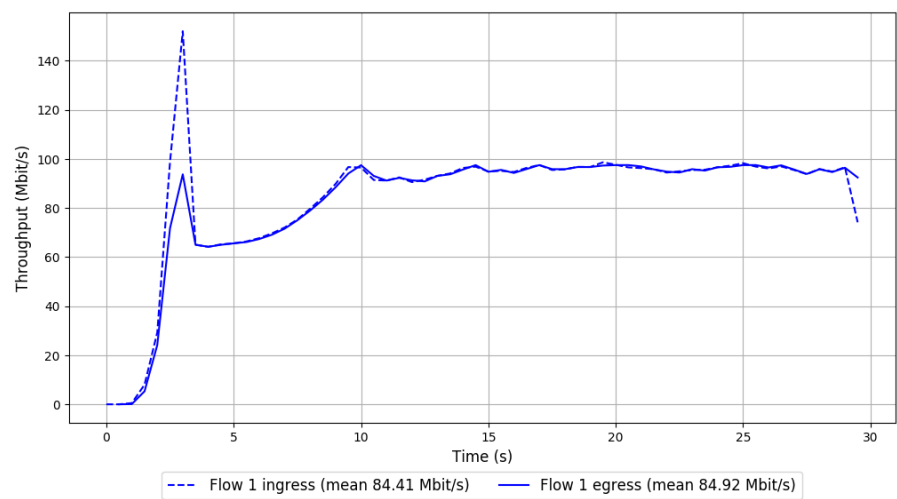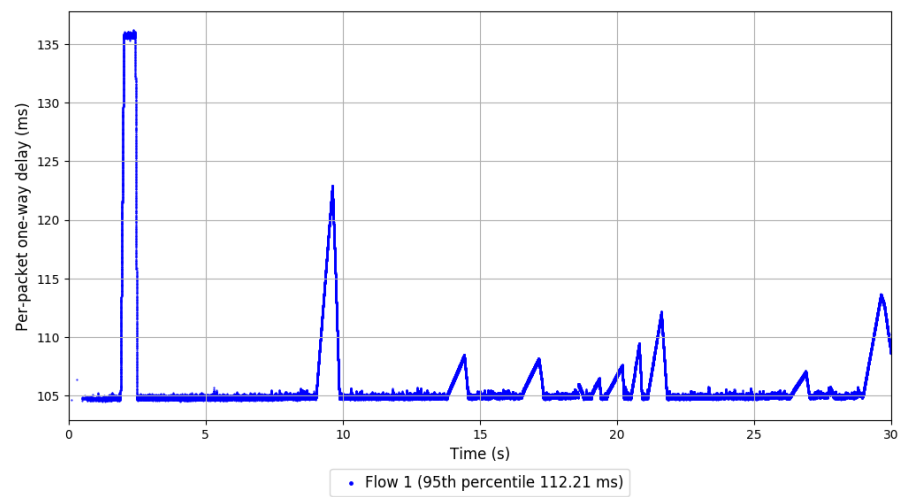
Run 2: Report of PCC — Data Link

```
Run 3: Statistics of PCC

Start at: 2018-01-26 00:37:35
End at: 2018-01-26 00:38:05
Local clock offset: 0.258 ms
Remote clock offset: -7.077 ms
```

Run 3: Report of PCC — Data Link

Figure is missing

```
Run 4: Statistics of PCC

Start at: 2018-01-26 00:57:15
End at: 2018-01-26 00:57:45
Local clock offset: 0.191 ms
Remote clock offset: -1.836 ms


# Below is generated by plot.py at 2018-01-26 10:07:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 115.628 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 115.628 ms
Loss rate: 1.54%
```
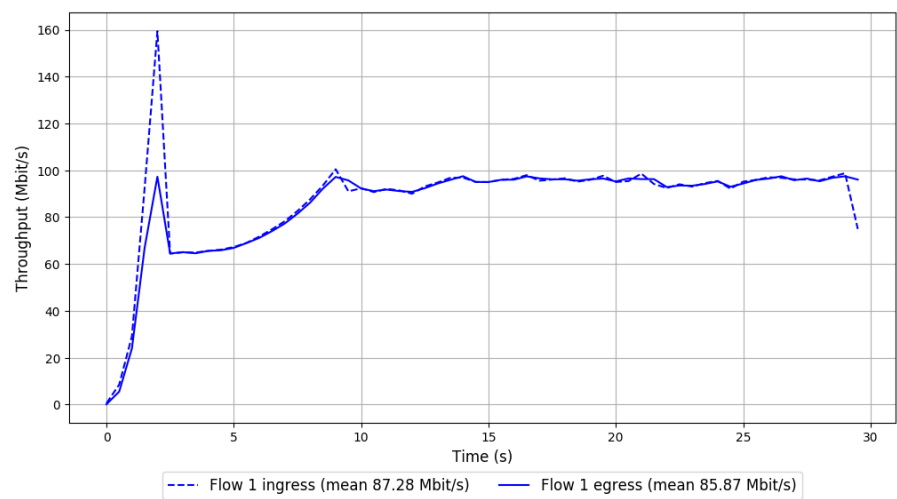
Run 4: Report of PCC — Data Link

```
Run 5: Statistics of PCC

Start at: 2018-01-26 01:16:58
End at: 2018-01-26 01:17:28
Local clock offset: 0.197 ms
Remote clock offset: -7.639 ms


# Below is generated by plot.py at 2018-01-26 10:07:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 101.391 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 101.391 ms
Loss rate: 1.61%
```
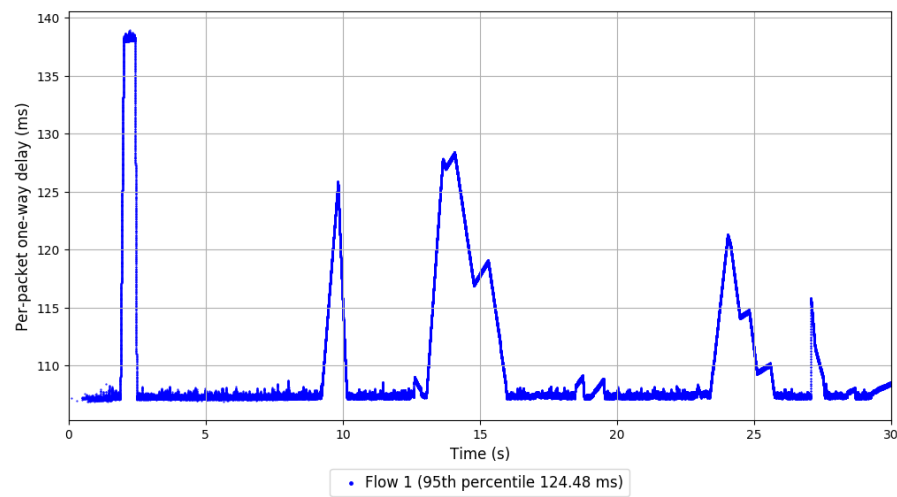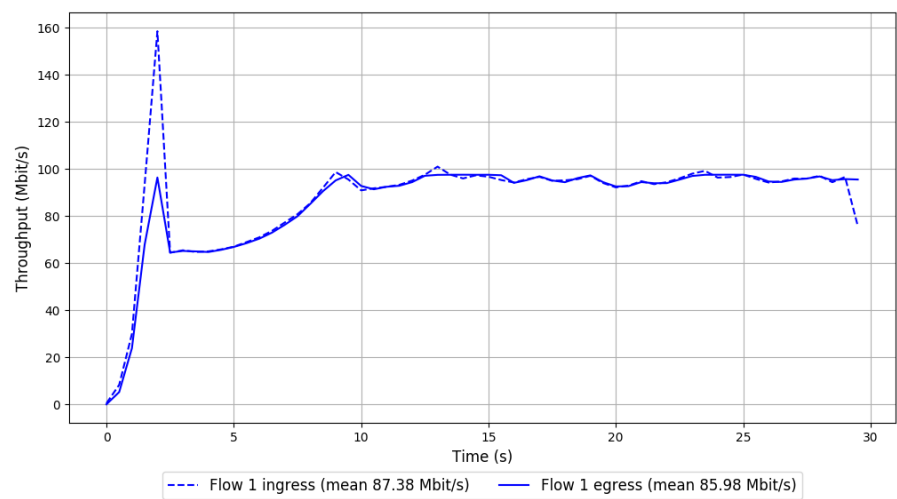
Run 5: Report of PCC — Data Link

```
Run 6: Statistics of PCC

Start at: 2018-01-26 01:36:41
End at: 2018-01-26 01:37:11
Local clock offset: 0.05 ms
Remote clock offset: -2.737 ms


# Below is generated by plot.py at 2018-01-26 10:07:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 112.211 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 112.211 ms
Loss rate: 1.61%
```

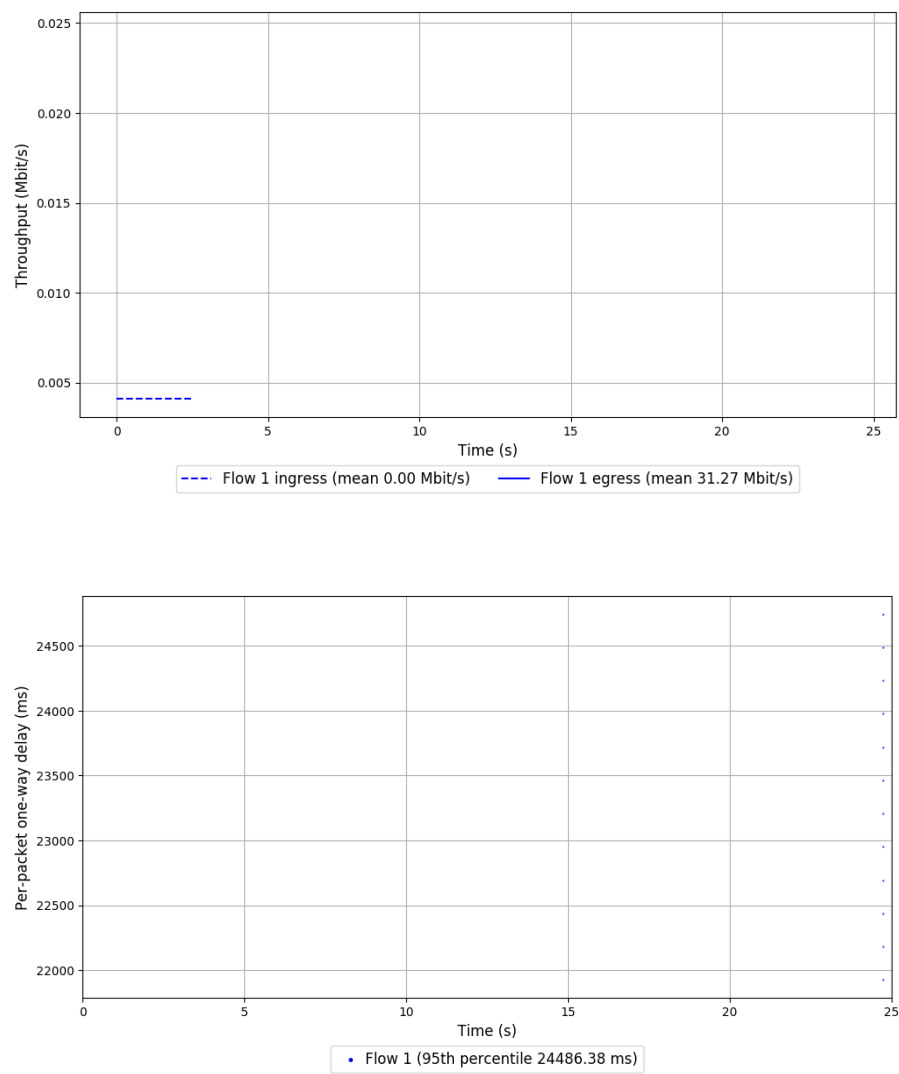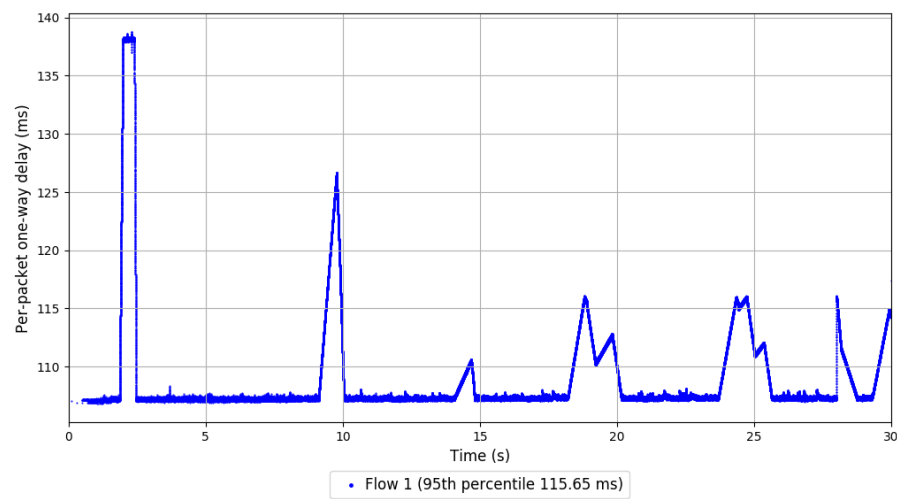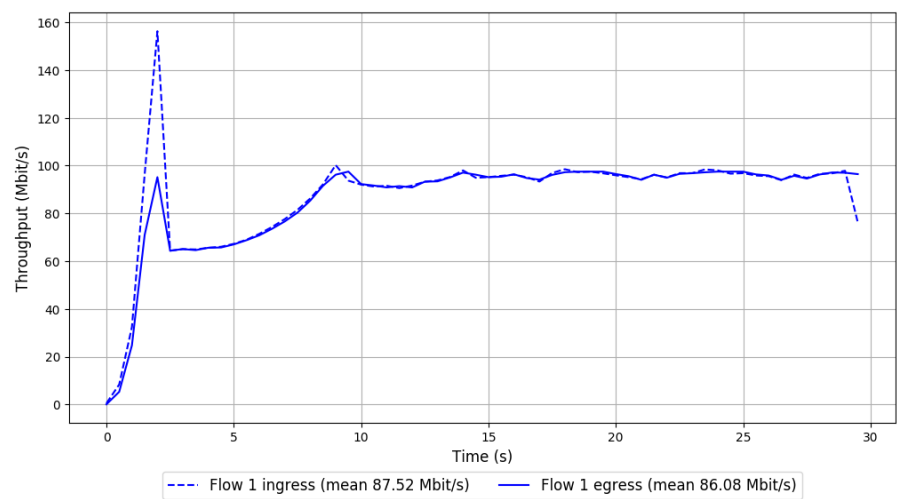Run 6: Report of PCC — Data Link

```
Run 7: Statistics of PCC

Start at: 2018-01-26 01:56:20
End at: 2018-01-26 01:56:50
Local clock offset: -0.172 ms
Remote clock offset: -2.048 ms


# Below is generated by plot.py at 2018-01-26 10:07:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 124.480 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 124.480 ms
Loss rate: 1.62%
```
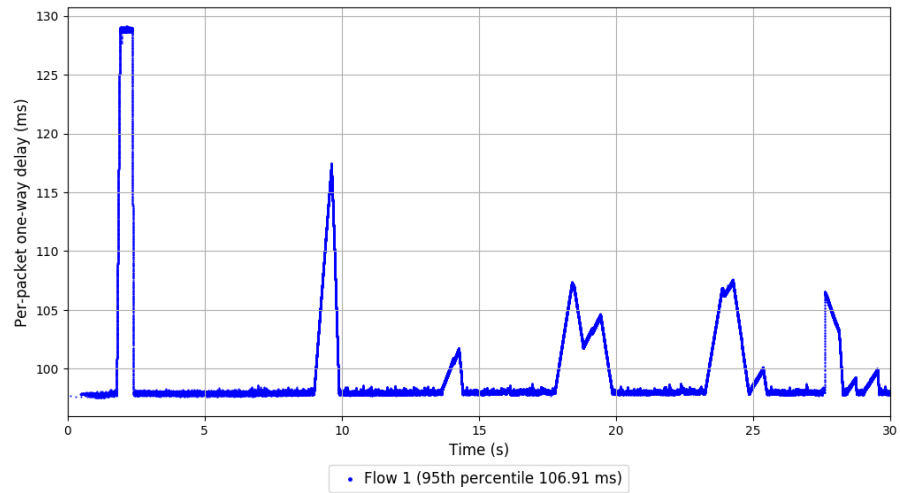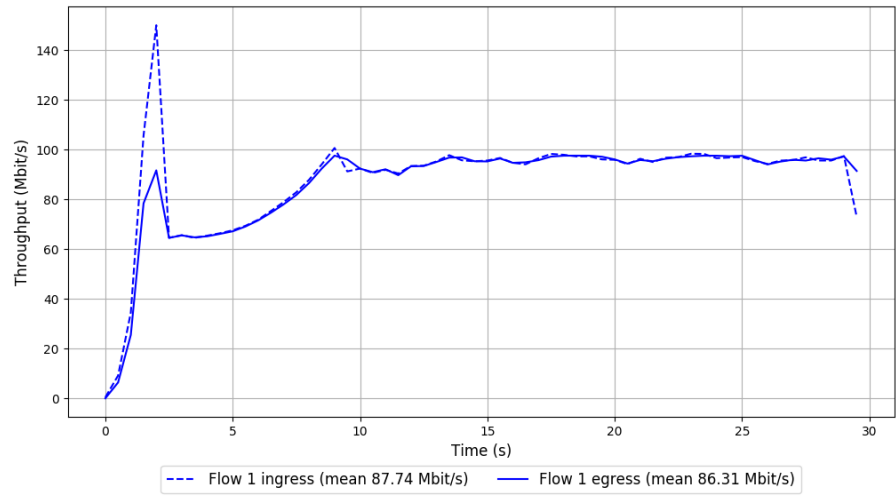
Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2018-01-26 02:15:59
End at: 2018-01-26 02:16:29
Local clock offset: -0.163 ms
Remote clock offset: -2.929 ms
```

Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 0.00 Mbit/s) ----- Flow 1 egress (mean 31.27 Mbit/s) ——

• Flow 1 (95th percentile 24486.38 ms)

79

```
Run 9: Statistics of PCC

Start at: 2018-01-26 02:35:32
End at: 2018-01-26 02:36:02
Local clock offset: -0.211 ms
Remote clock offset: -1.871 ms


# Below is generated by plot.py at 2018-01-26 10:08:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.08 Mbit/s
95th percentile per-packet one-way delay: 115.651 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 86.08 Mbit/s
95th percentile per-packet one-way delay: 115.651 ms
Loss rate: 1.63%
```

Run 9: Report of PCC — Data Link
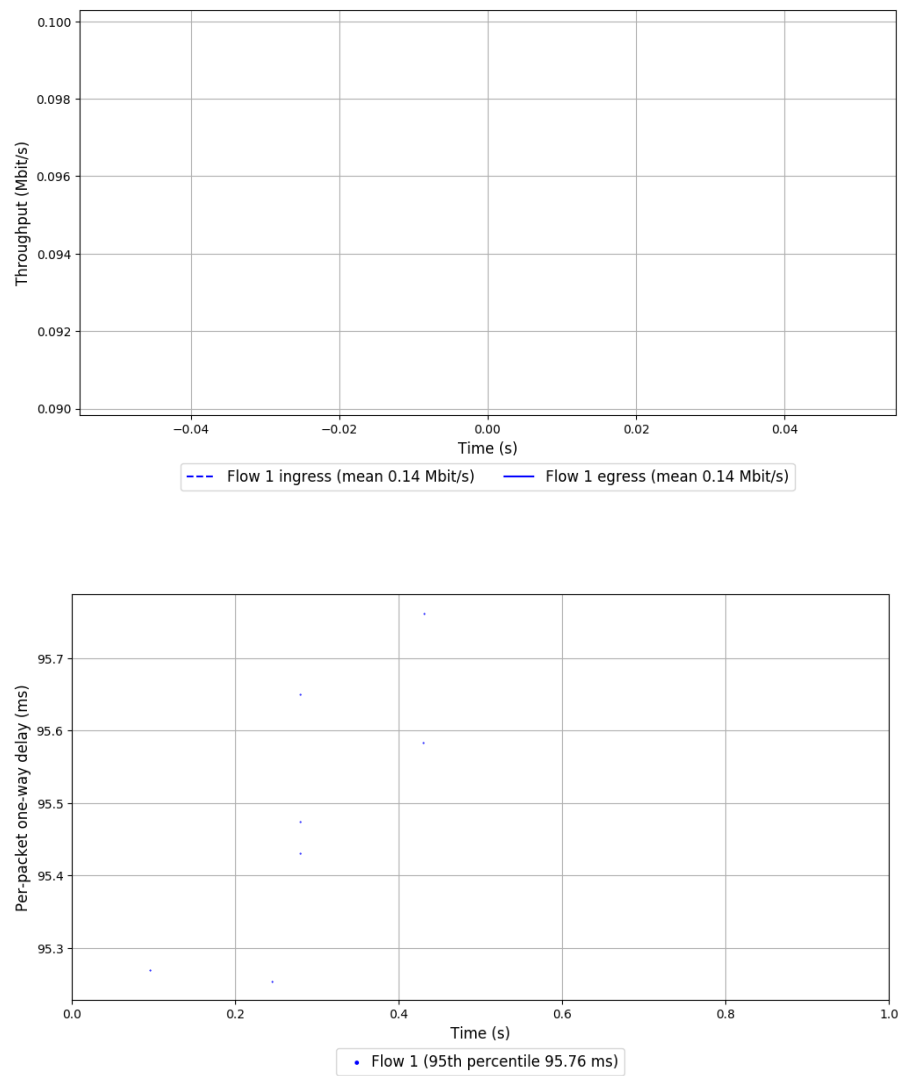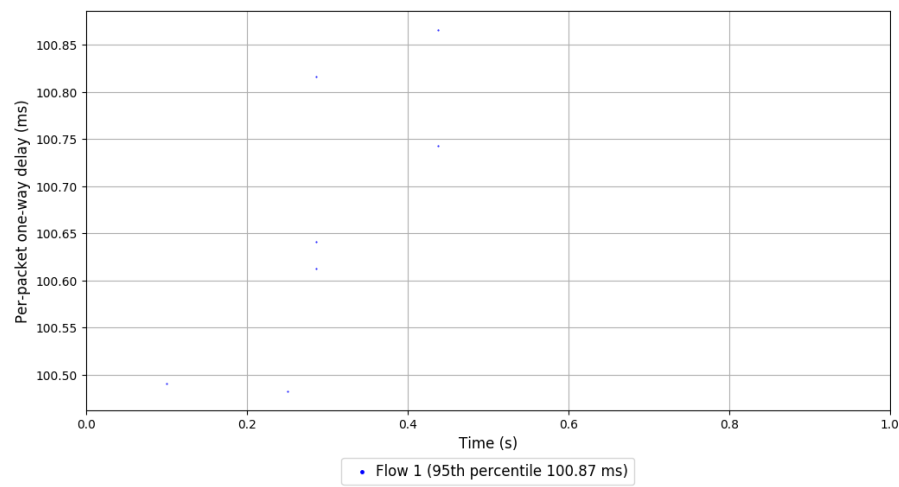
```
Run 10: Statistics of PCC

Start at: 2018-01-26 02:55:09
End at: 2018-01-26 02:55:39
Local clock offset: -0.487 ms
Remote clock offset: -7.549 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.31 Mbit/s
95th percentile per-packet one-way delay: 106.913 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 86.31 Mbit/s
95th percentile per-packet one-way delay: 106.913 ms
Loss rate: 1.63%
```

Run 10: Report of PCC — Data Link

Run 1: Statistics of QUIC Cubic

Start at: 2018-01-25 23:52:08
End at: 2018-01-25 23:52:38
Local clock offset: 0.277 ms
Remote clock offset: -5.57 ms

Run 1: Report of QUIC Cubic — Data Link
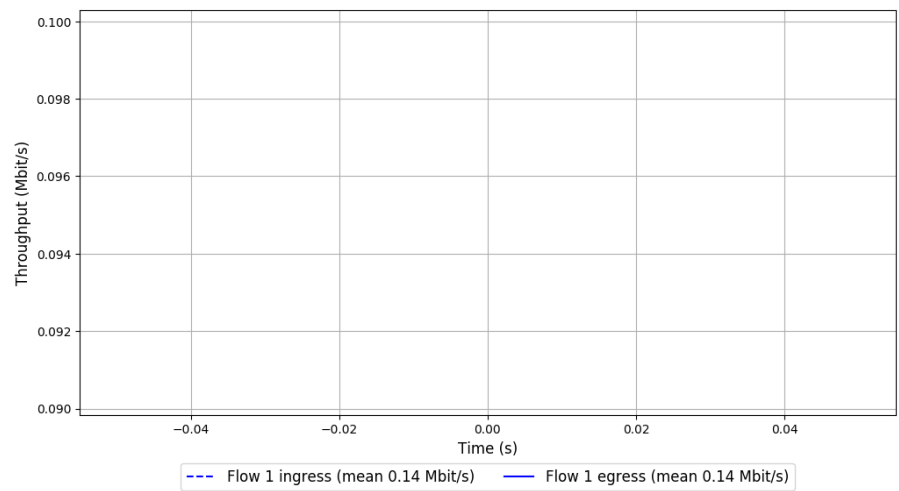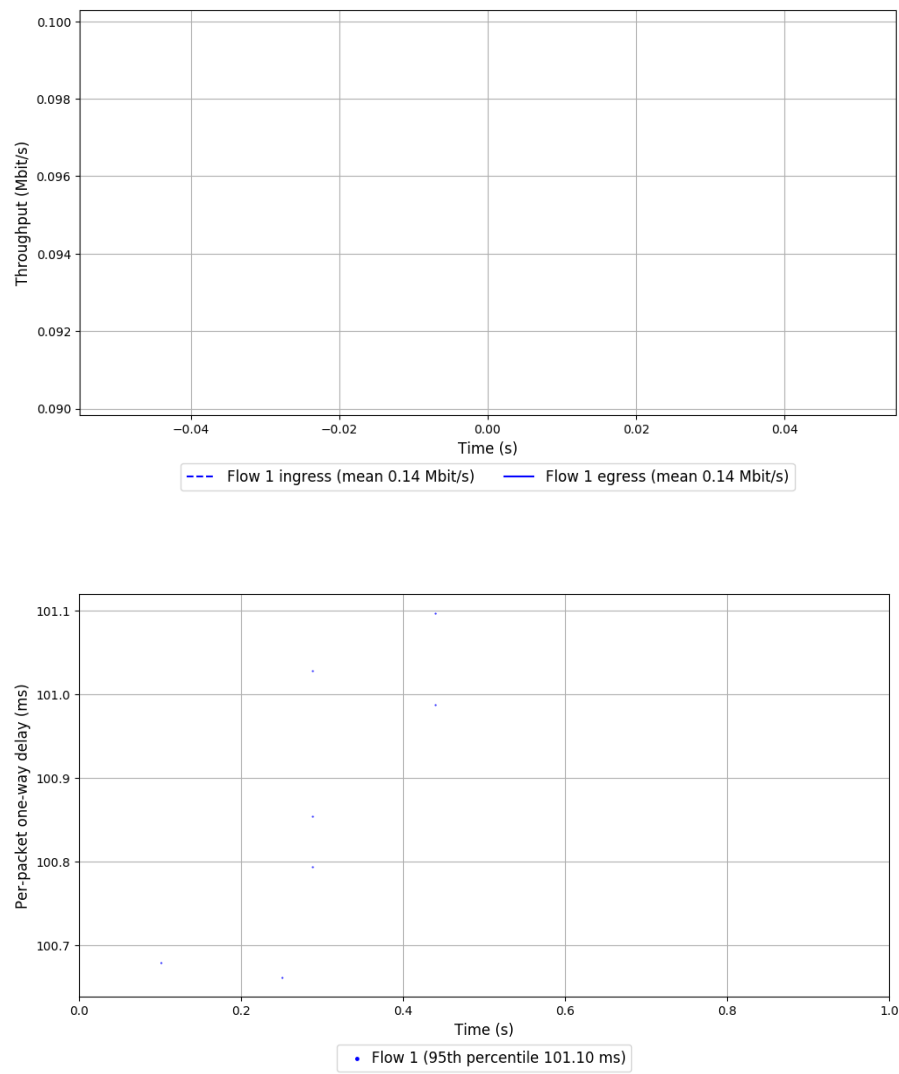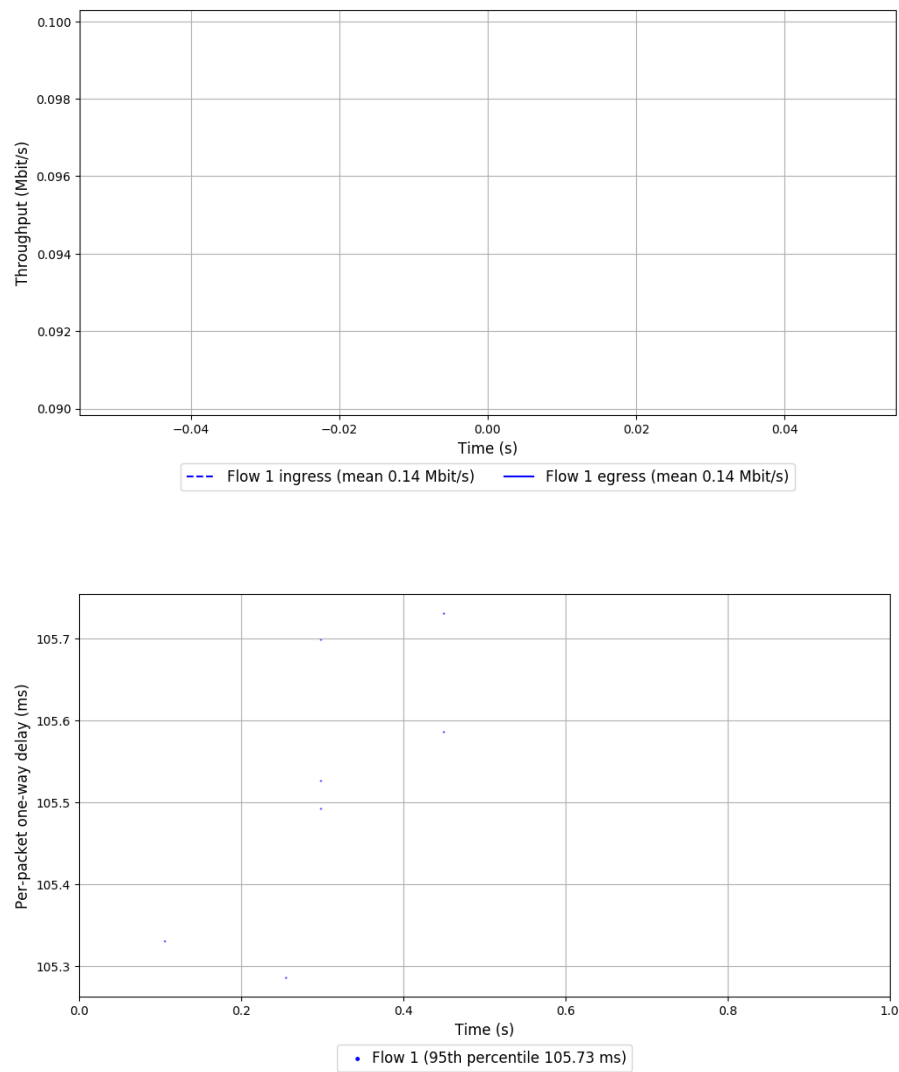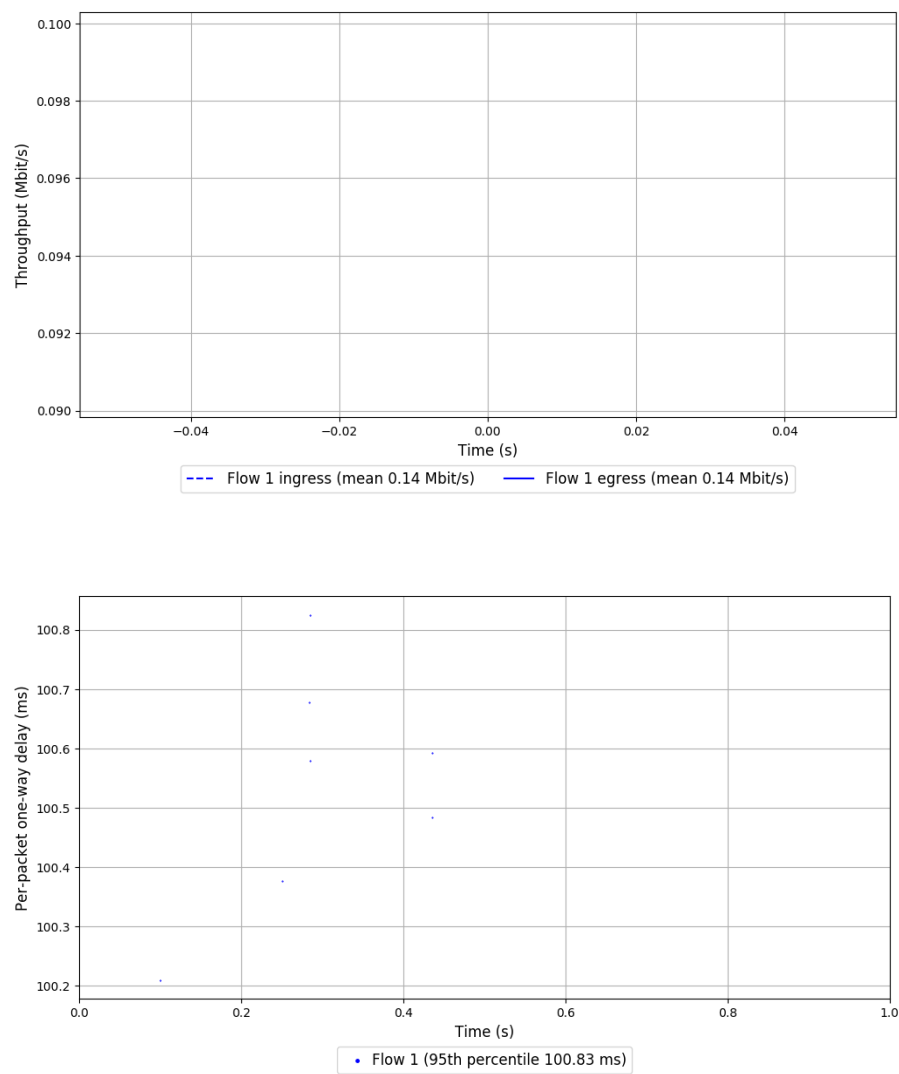
```
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-26 00:11:52
End at: 2018-01-26 00:12:22
Local clock offset: 0.32 ms
Remote clock offset: -1.032 ms
```

Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.14 Mbit/s) ---- Flow 1 egress (mean 0.14 Mbit/s)

Flow 1 (95th percentile 100.87 ms)
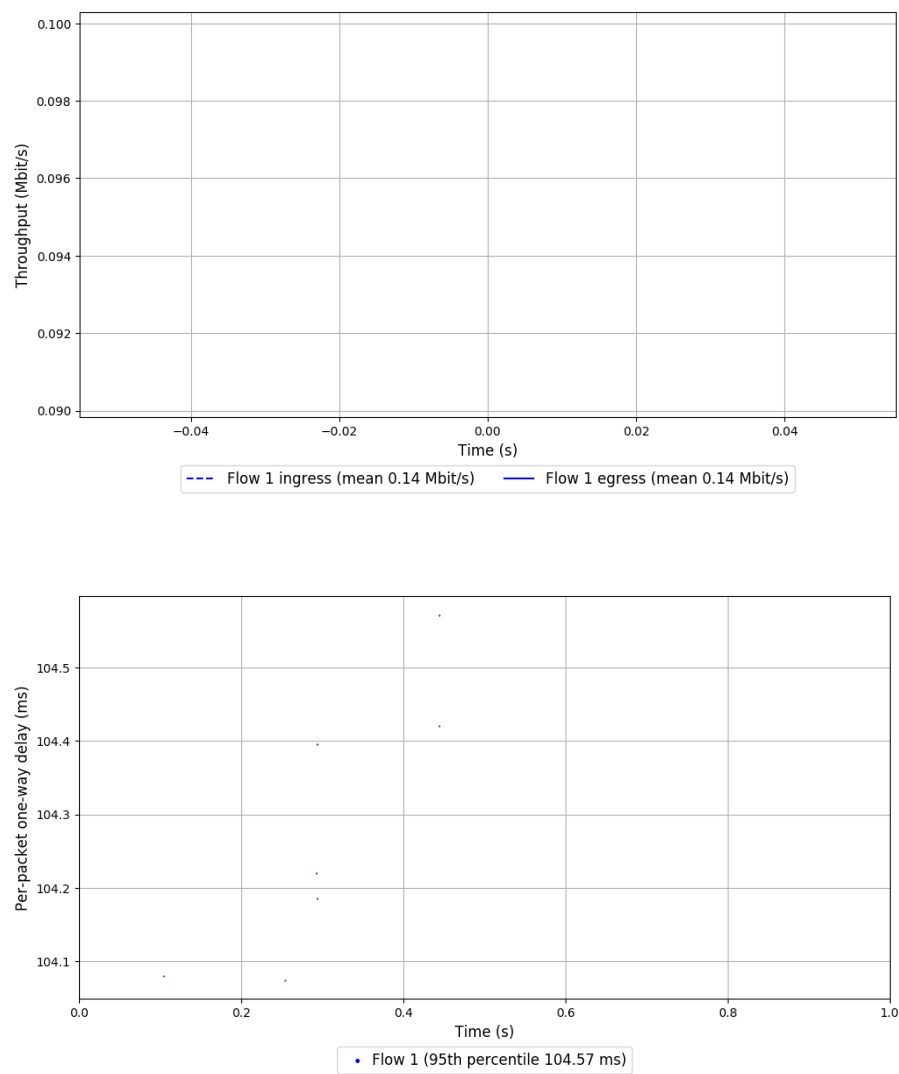
```
Run 3: Statistics of QUIC Cubic

Start at: 2018-01-26 00:31:28
End at: 2018-01-26 00:31:58
Local clock offset: 0.26 ms
Remote clock offset: -1.208 ms
```

Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.14 Mbit/s)   Flow 1 egress (mean 0.14 Mbit/s)

• Flow 1 (95th percentile 101.10 ms)
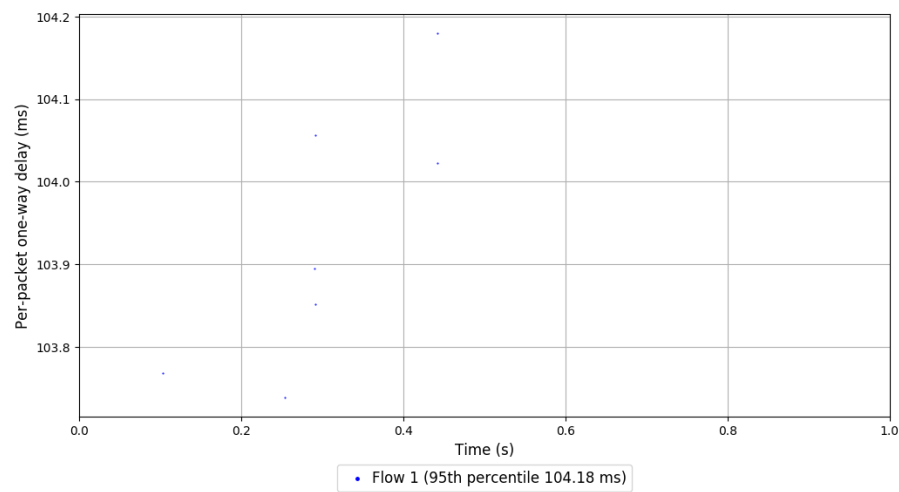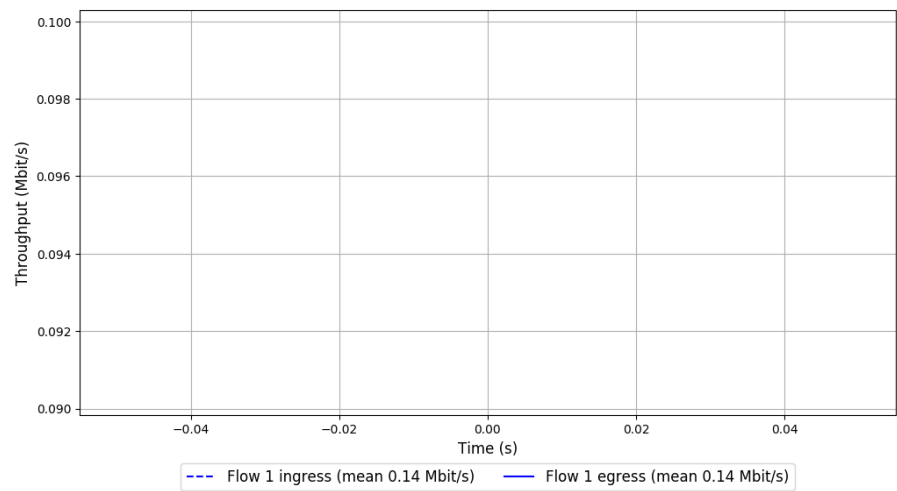
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-26 00:51:07
End at: 2018-01-26 00:51:37
Local clock offset: 0.201 ms
Remote clock offset: -1.739 ms

Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.14 Mbit/s)   Flow 1 egress (mean 0.14 Mbit/s)

Flow 1 (95th percentile 105.73 ms)
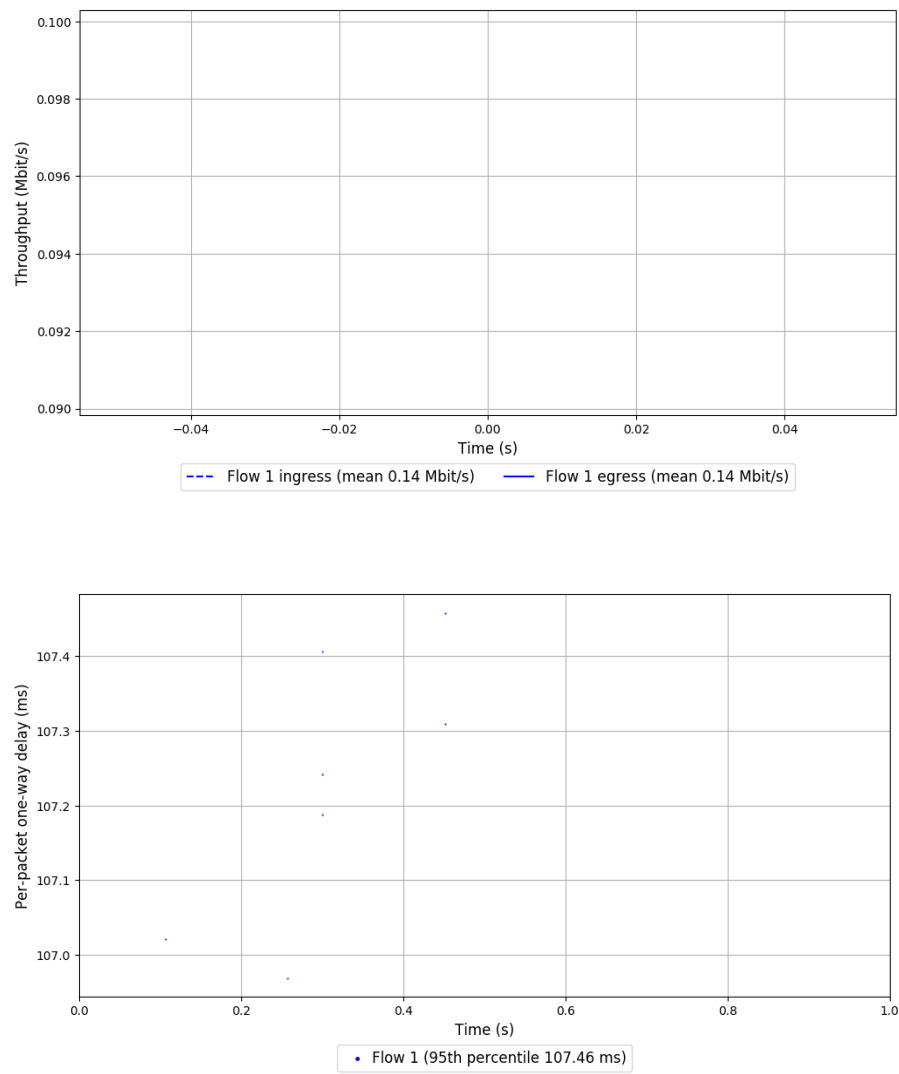
```
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-26 01:10:50
End at: 2018-01-26 01:11:20
Local clock offset: 0.227 ms
Remote clock offset: -1.949 ms
```

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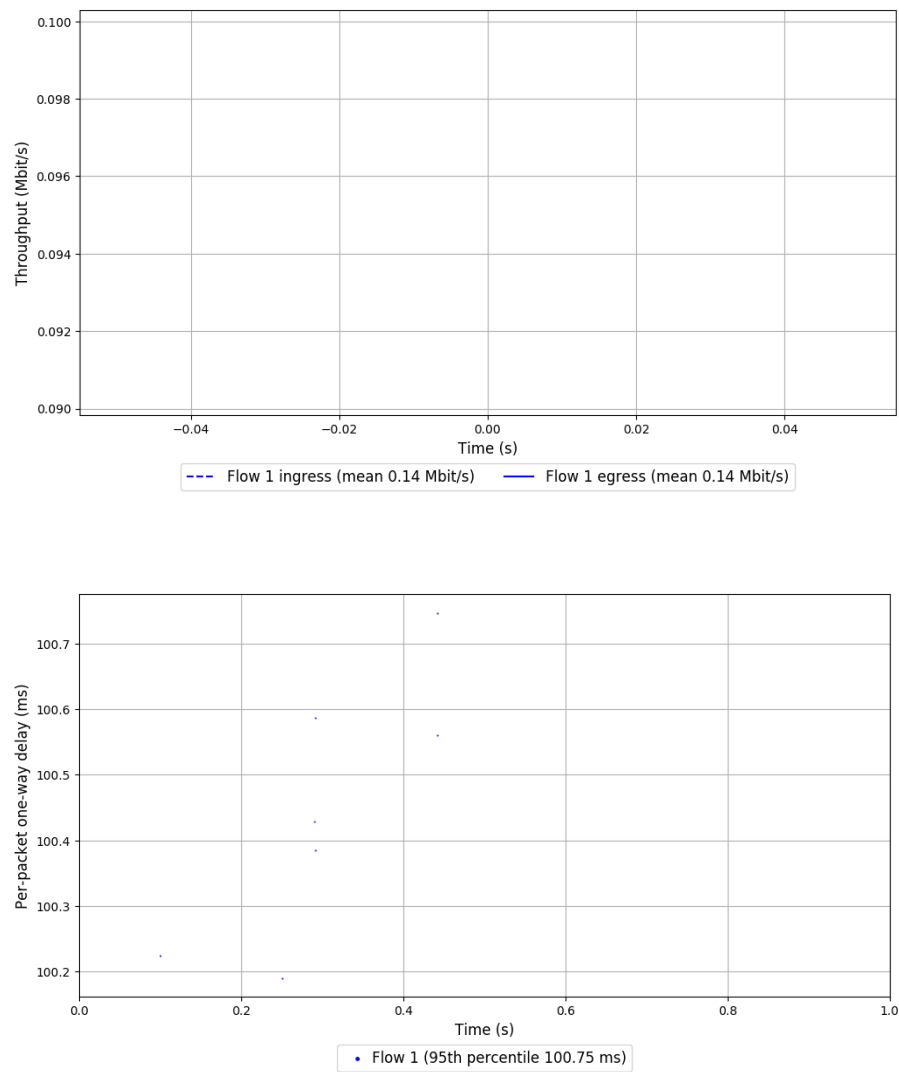
Run 6: Statistics of QUIC Cubic

Start at: 2018-01-26 01:30:29
End at: 2018-01-26 01:30:59
Local clock offset: 0.163 ms
Remote clock offset: -0.976 ms

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.14 Mbit/s) — Flow 1 egress (mean 0.14 Mbit/s)

Flow 1 (95th percentile 104.57 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-26 01:50:12
End at: 2018-01-26 01:50:42
Local clock offset: -0.151 ms
Remote clock offset: -1.102 ms
```

Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.14 Mbit/s) --- Flow 1 egress (mean 0.14 Mbit/s)

• Flow 1 (95th percentile 104.18 ms)

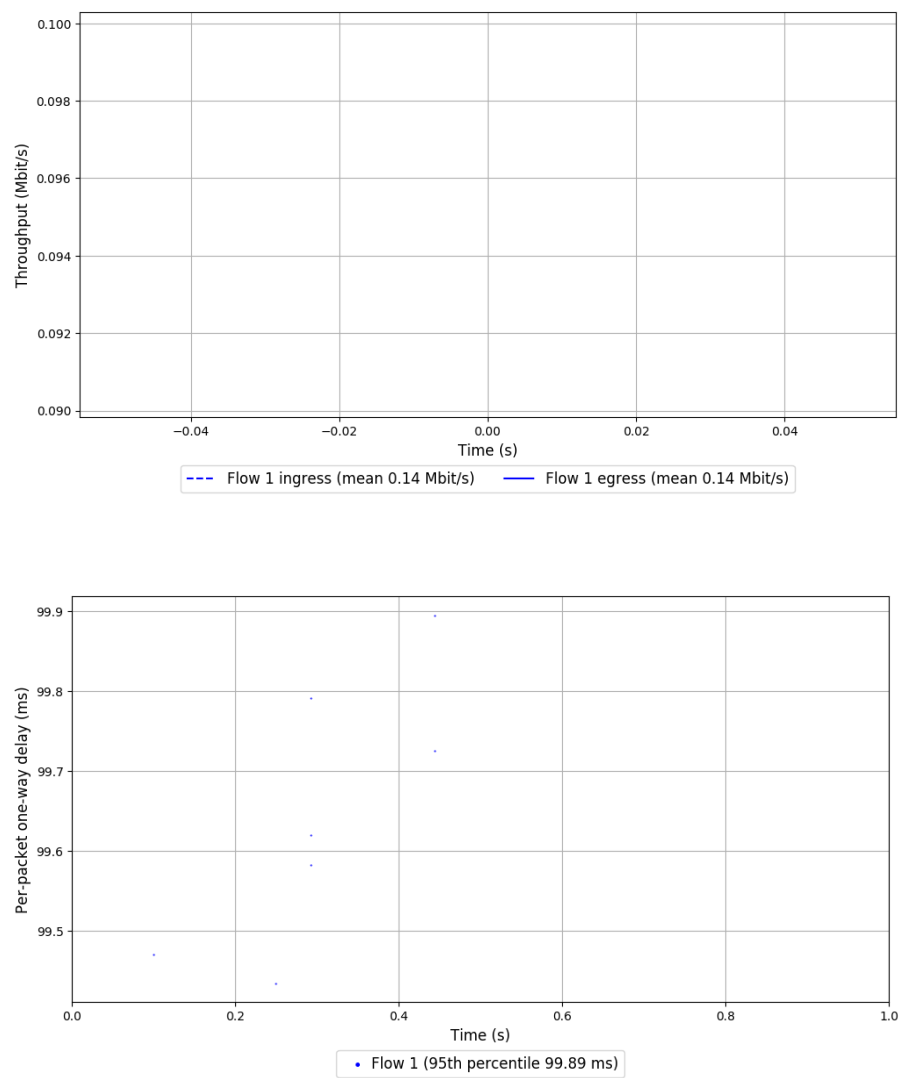Run 8: Statistics of QUIC Cubic

Start at: 2018-01-26 02:09:52
End at: 2018-01-26 02:10:22
Local clock offset: -0.231 ms
Remote clock offset: -1.932 ms

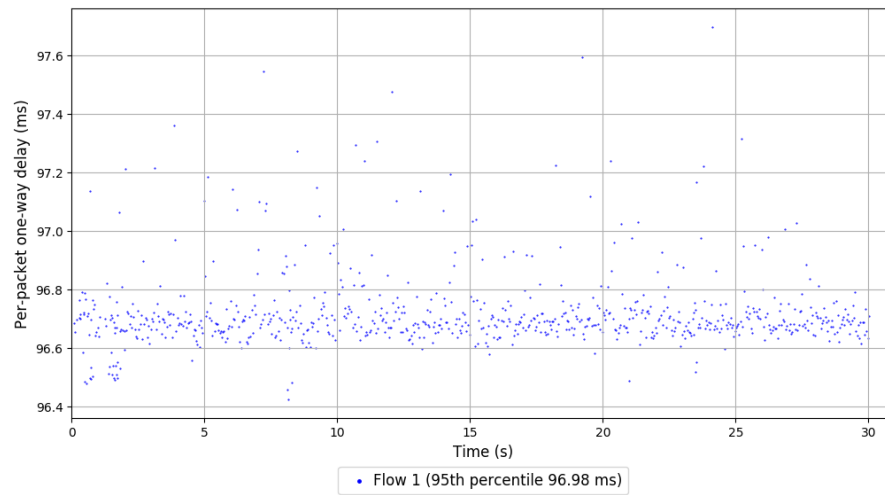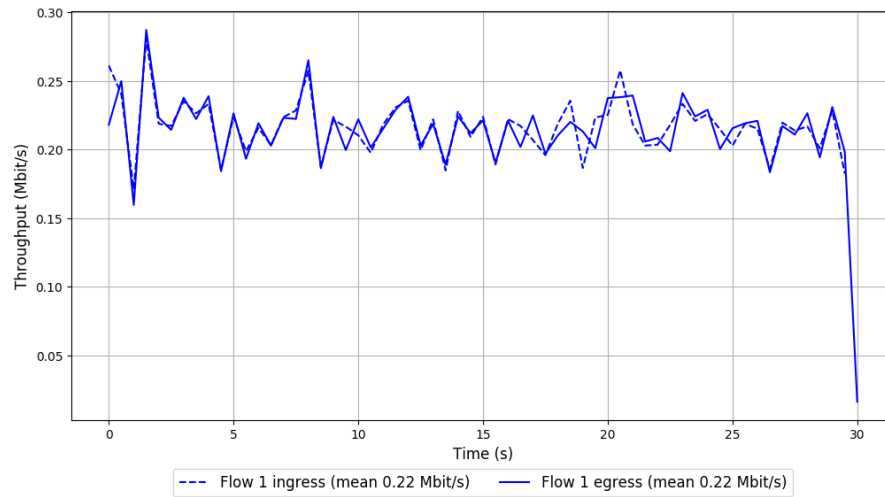## Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.14 Mbit/s) --- Flow 1 egress (mean 0.14 Mbit/s) ---

Flow 1 (95th percentile 107.46 ms)

Run 9: Statistics of QUIC Cubic

Start at: 2018-01-26 02:29:25
End at: 2018-01-26 02:29:55
Local clock offset: -0.267 ms
Remote clock offset: -6.719 ms

Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.14 Mbit/s)   Flow 1 egress (mean 0.14 Mbit/s)

Flow 1 (95th percentile 100.75 ms)

Run 10: Statistics of QUIC Cubic

Start at: 2018-01-26 02:49:03
End at: 2018-01-26 02:49:33
Local clock offset: -0.336 ms
Remote clock offset: -7.587 ms

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.14 Mbit/s) — — — Flow 1 egress (mean 0.14 Mbit/s)
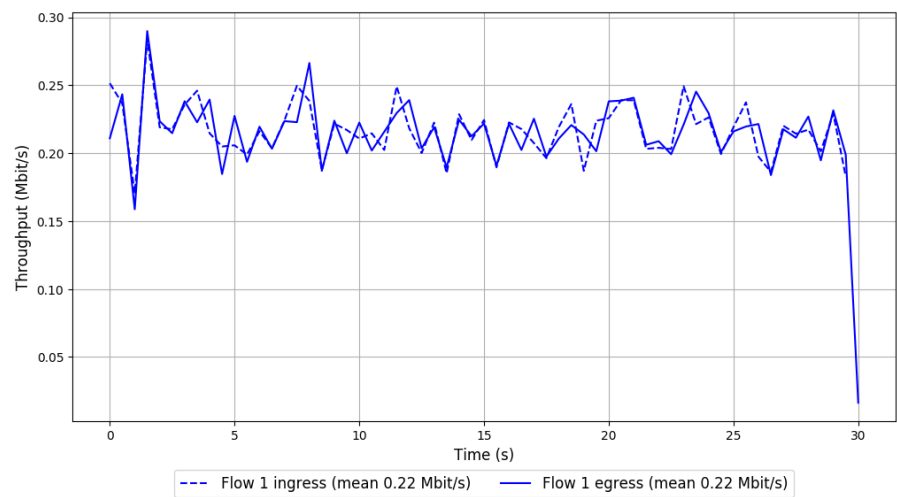

Flow 1 (95th percentile 99.89 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-01-26 00:01:58
End at: 2018-01-26 00:02:28
Local clock offset: 0.21 ms
Remote clock offset: -5.698 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.979 ms
Loss rate: 0.00%
```
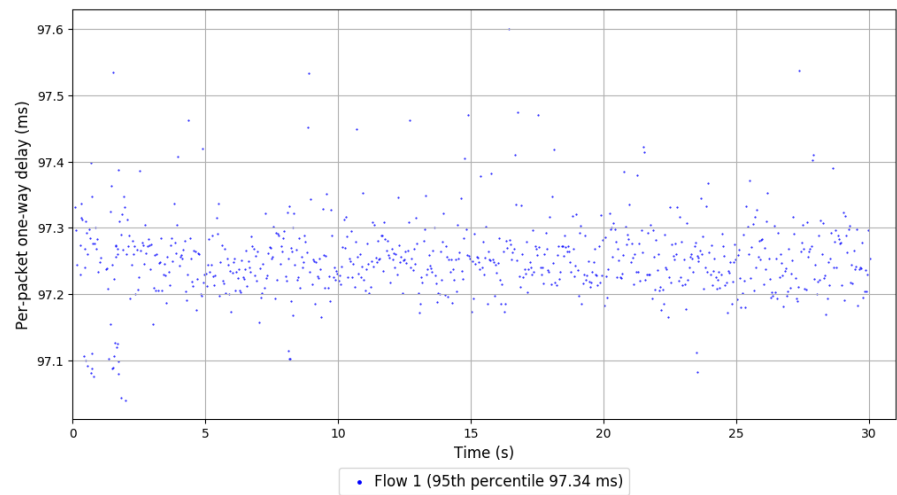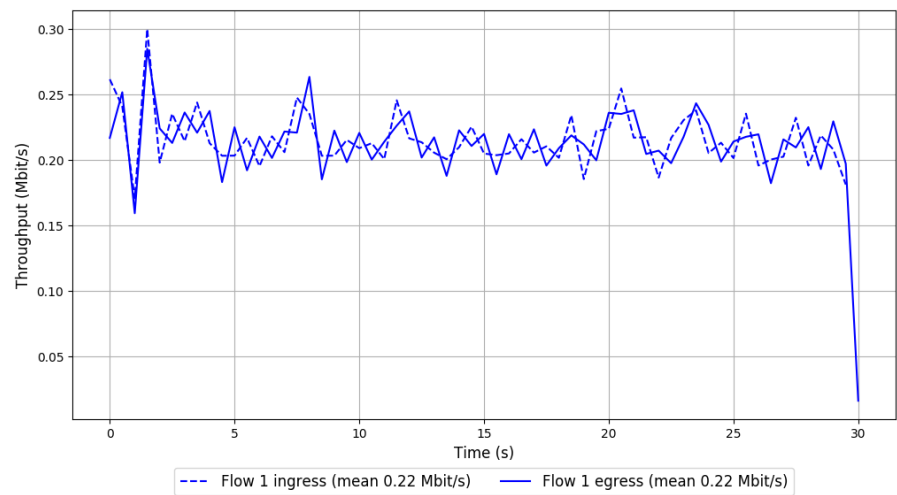
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2018-01-26 00:21:40
End at: 2018-01-26 00:22:10
Local clock offset: 0.314 ms
Remote clock offset: -6.892 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.085 ms
Loss rate: 0.00%
```
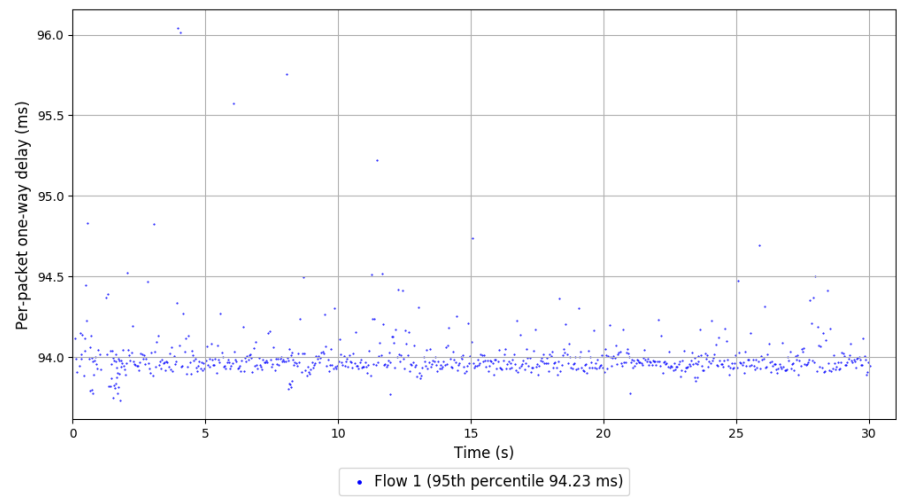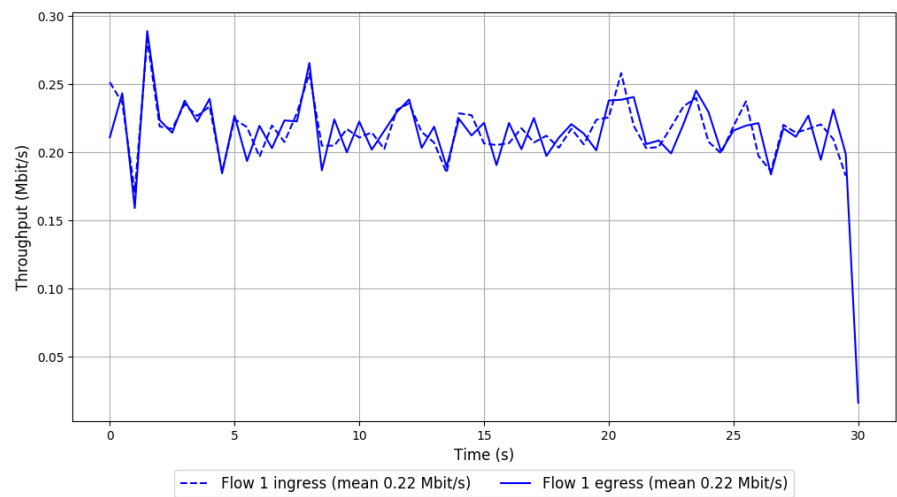
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2018-01-26 00:41:11
End at: 2018-01-26 00:41:41
Local clock offset: 0.182 ms
Remote clock offset: -6.193 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.345 ms
Loss rate: 0.00%
```
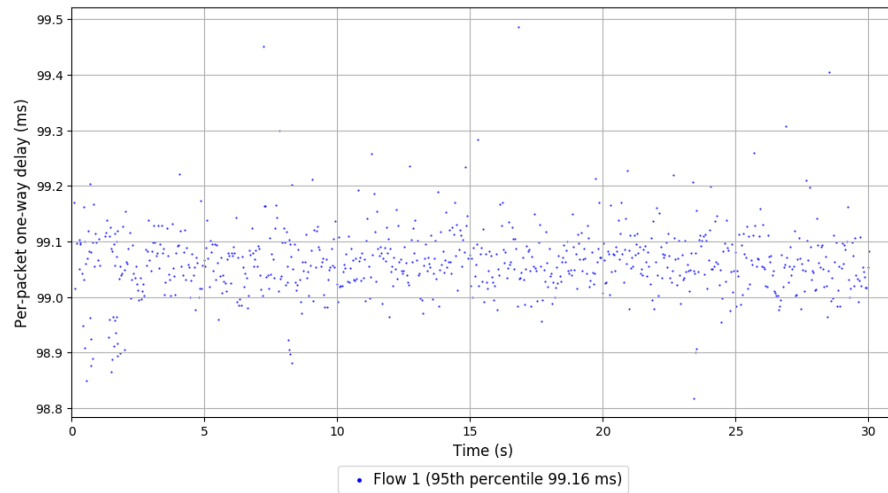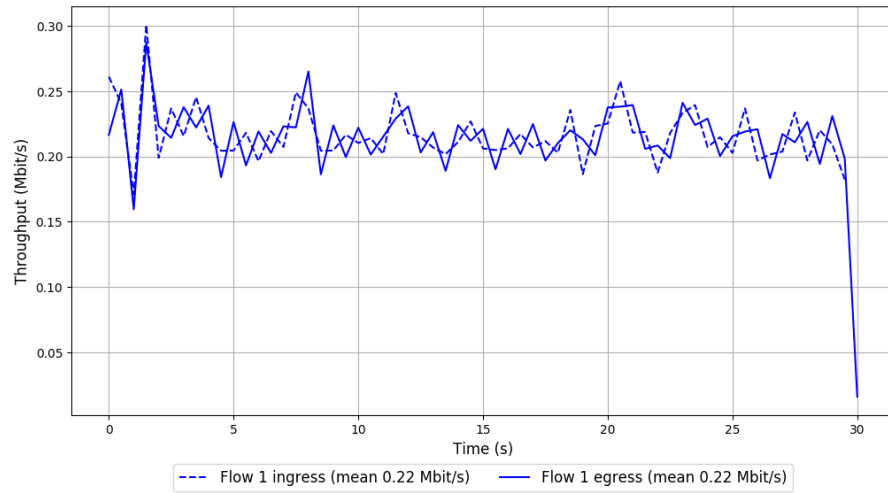
Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 97.34 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-01-26 01:00:56
End at: 2018-01-26 01:01:26
Local clock offset: 0.139 ms
Remote clock offset: -6.608 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.227 ms
Loss rate: 0.00%
```
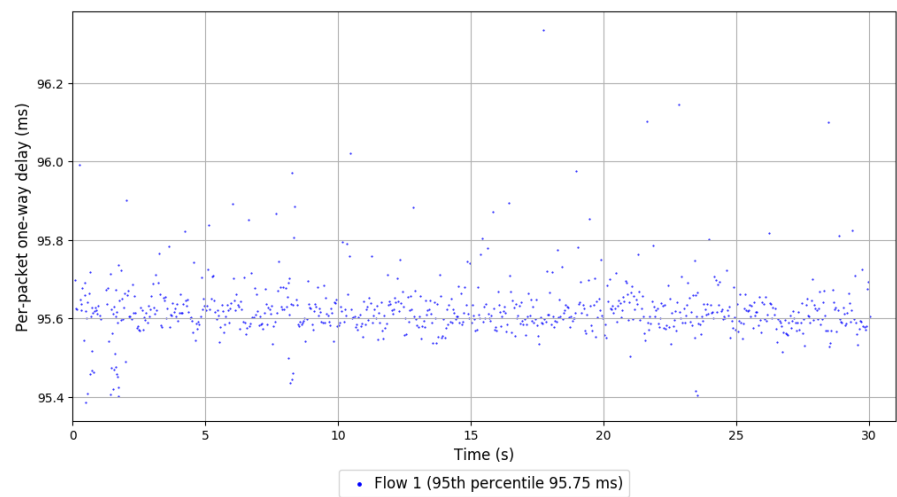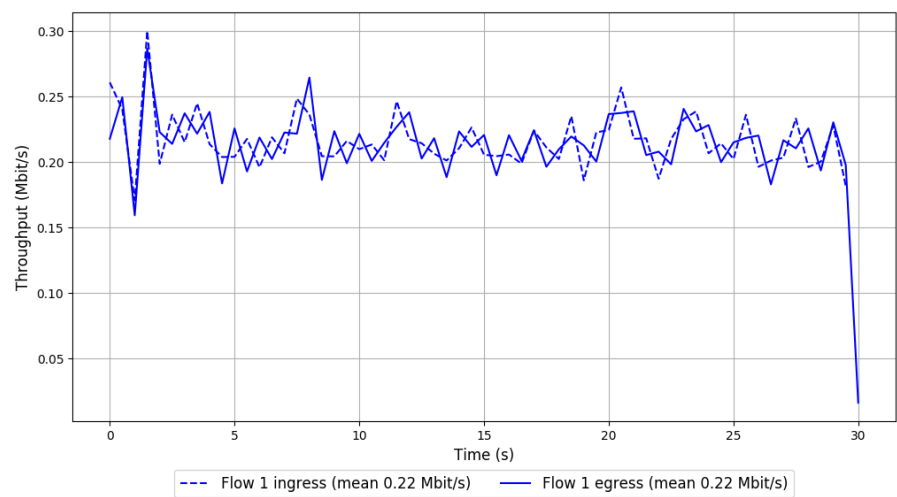
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2018-01-26 01:20:38
End at: 2018-01-26 01:21:08
Local clock offset: 0.179 ms
Remote clock offset: -2.768 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.159 ms
Loss rate: 0.00%
```
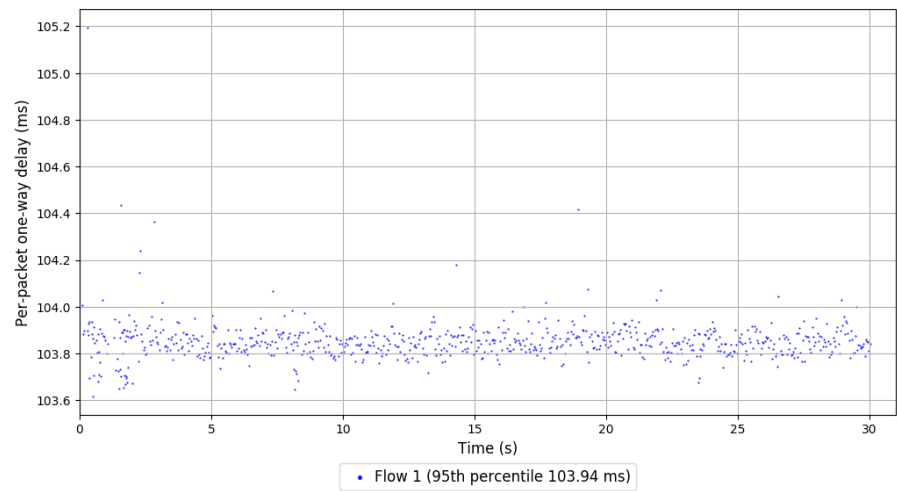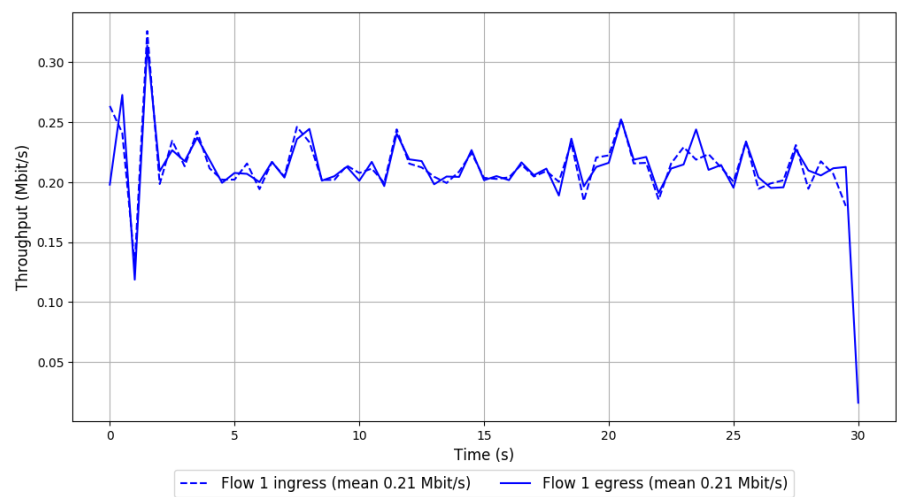
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2018-01-26 01:40:22
End at: 2018-01-26 01:40:52
Local clock offset: 0.055 ms
Remote clock offset: -6.792 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.748 ms
Loss rate: 0.00%
```

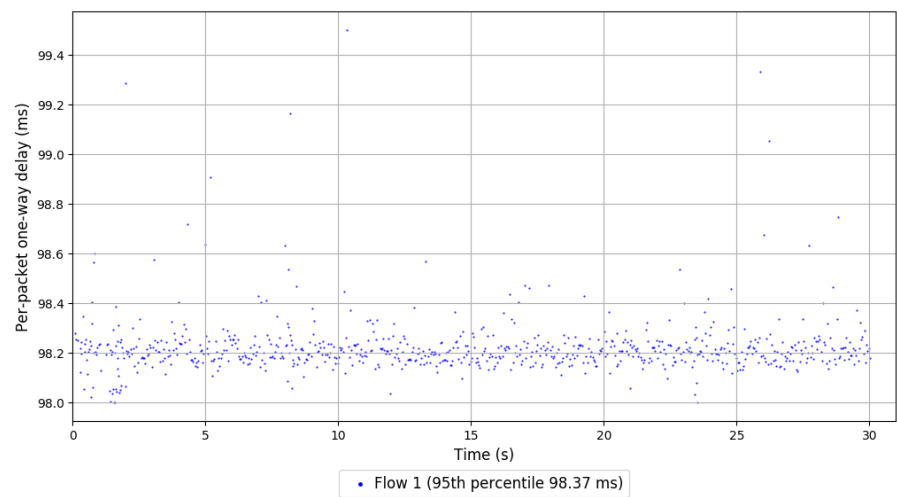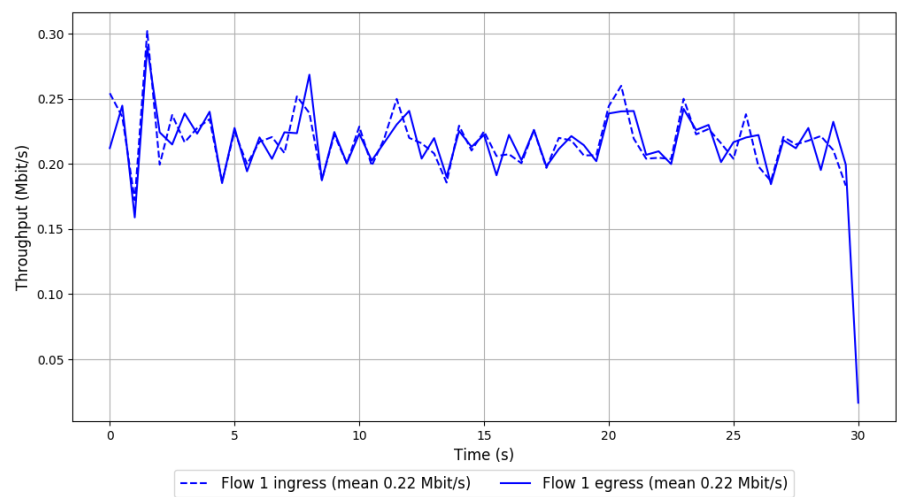## Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-01-26 02:00:02
End at: 2018-01-26 02:00:32
Local clock offset: -0.166 ms
Remote clock offset: -2.036 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 103.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 103.940 ms
Loss rate: 0.00%
```

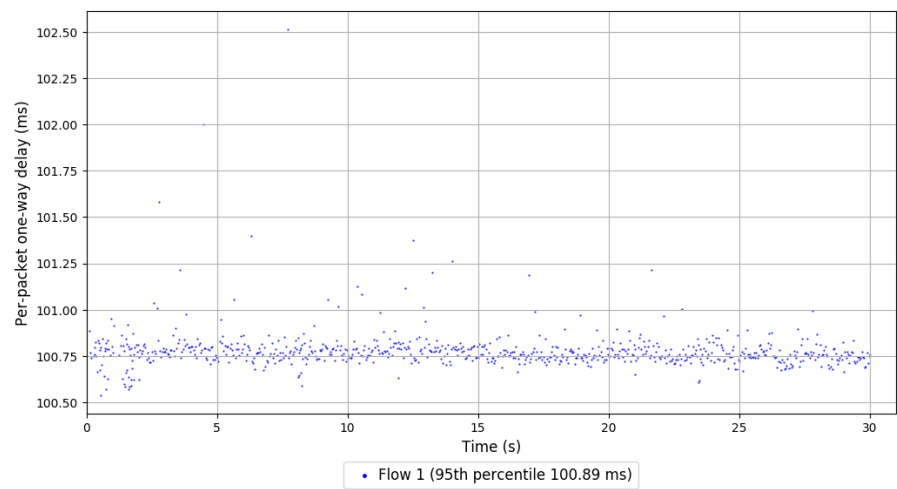# Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2018-01-26 02:19:36
End at: 2018-01-26 02:20:06
Local clock offset: -0.206 ms
Remote clock offset: -2.863 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.373 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

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

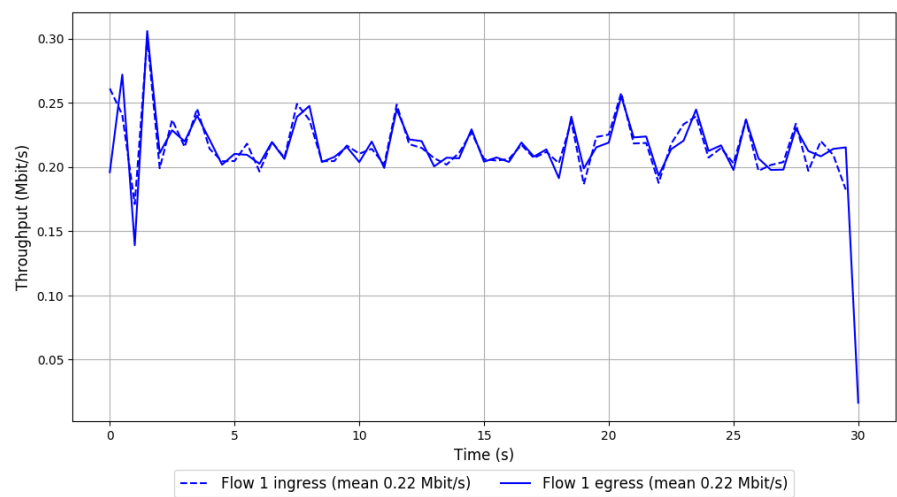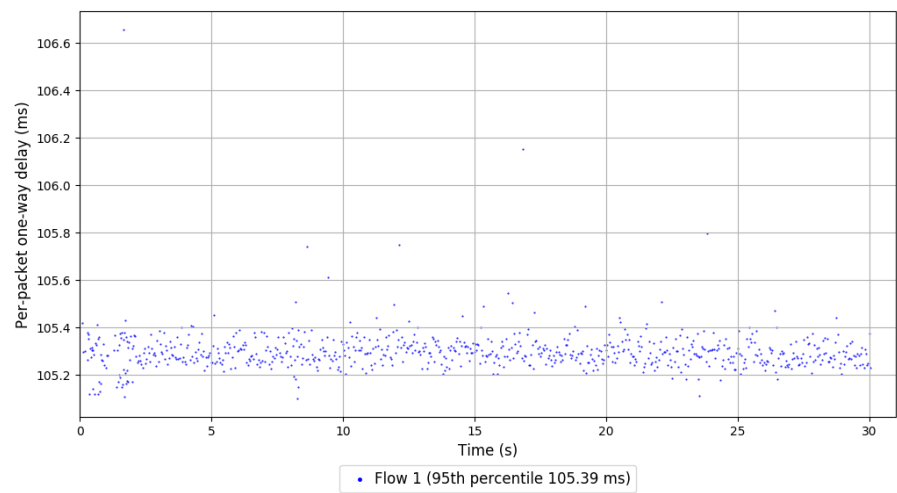Flow 1 (95th percentile 98.37 ms)

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```
Run 9: Statistics of SCReAM

Start at: 2018-01-26 02:39:13
End at: 2018-01-26 02:39:43
Local clock offset: -0.234 ms
Remote clock offset: -2.664 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.888 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

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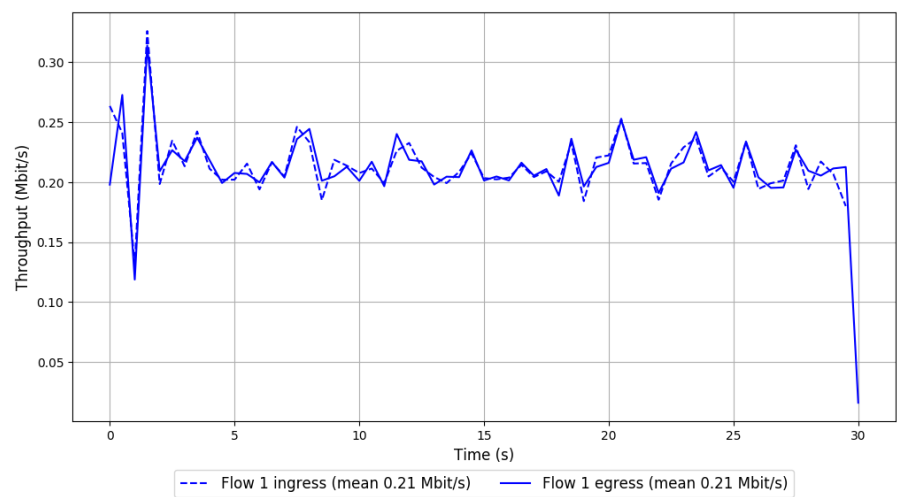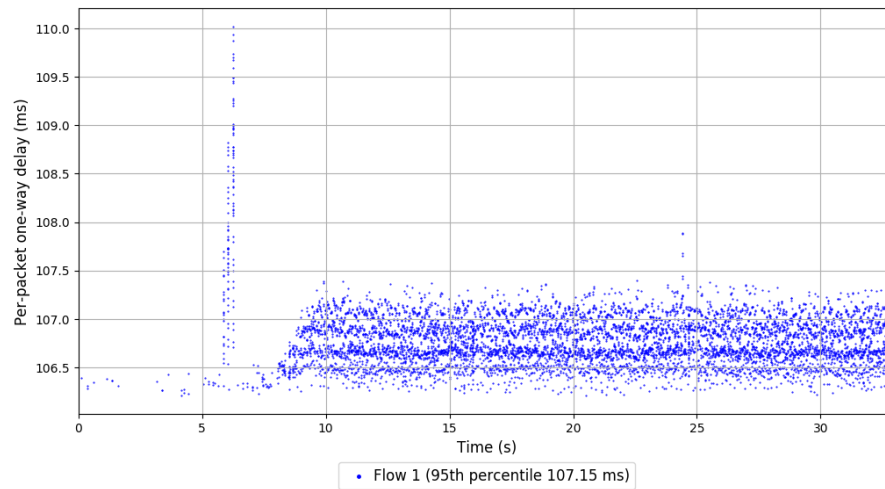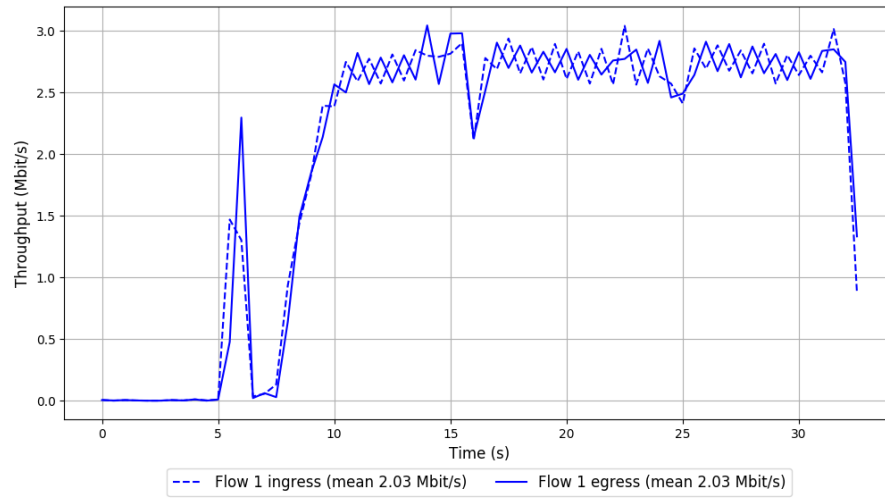

Flow 1 (95th percentile 100.89 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-01-26 02:58:49
End at: 2018-01-26 02:59:19
Local clock offset: -0.427 ms
Remote clock offset: -1.781 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 105.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 105.393 ms
Loss rate: 0.00%
```
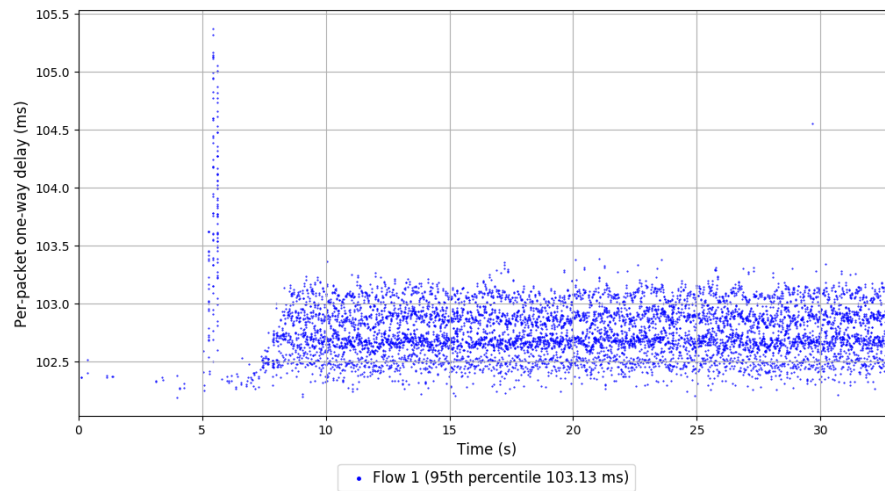
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2018-01-26 00:00:47
End at: 2018-01-26 00:01:17
Local clock offset: 0.313 ms
Remote clock offset: -0.042 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 107.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 107.148 ms
Loss rate: 0.00%
```
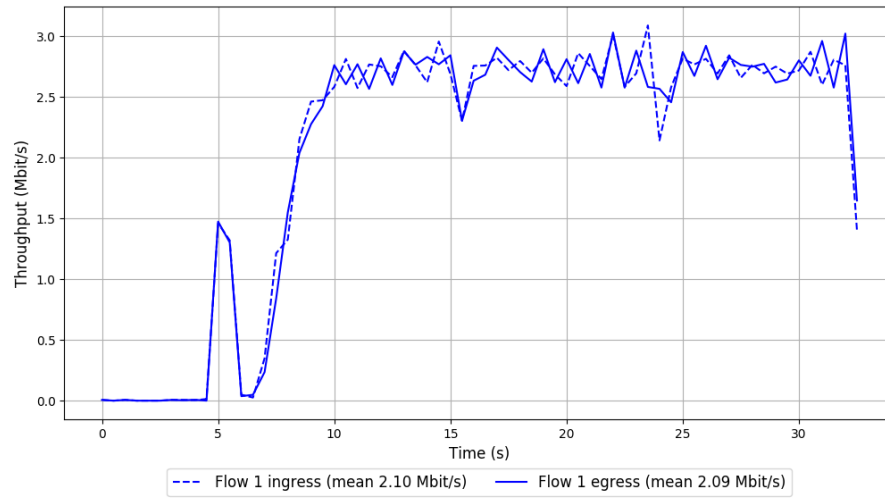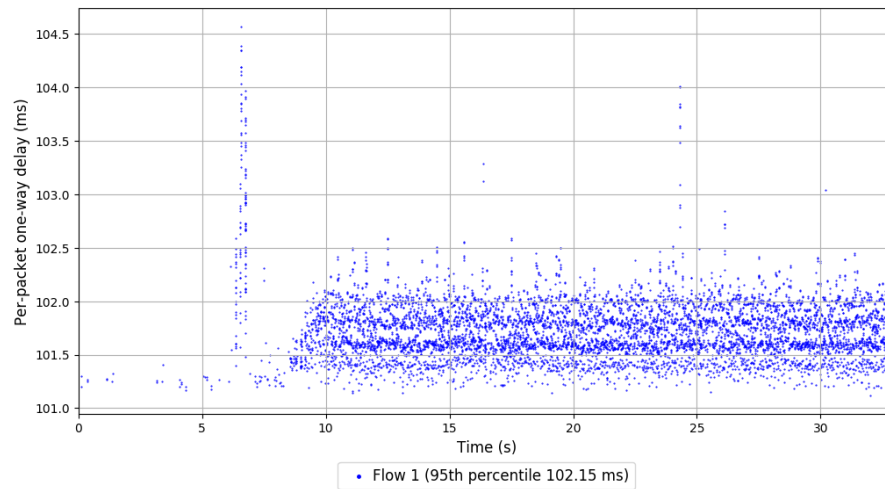
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-01-26 00:20:29
End at: 2018-01-26 00:20:59
Local clock offset: 0.296 ms
Remote clock offset: -0.226 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 103.127 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 103.127 ms
Loss rate: 0.11%
```

Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.10 Mbit/s)   Flow 1 egress (mean 2.09 Mbit/s)
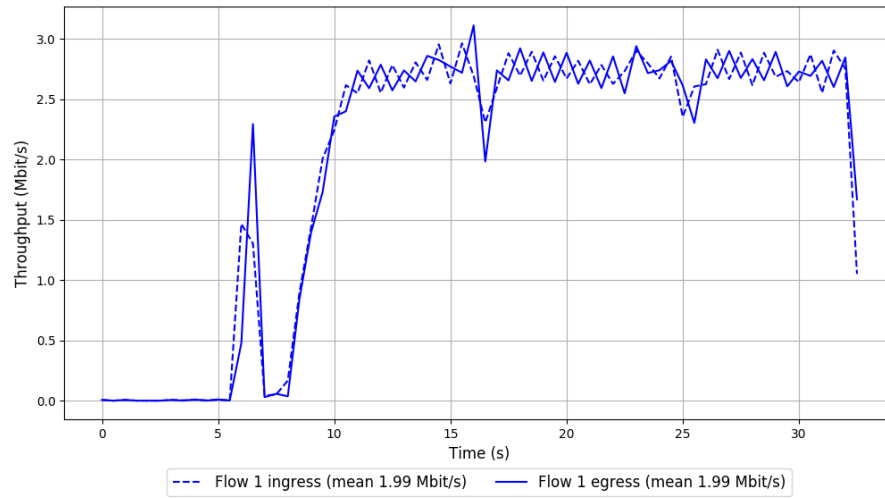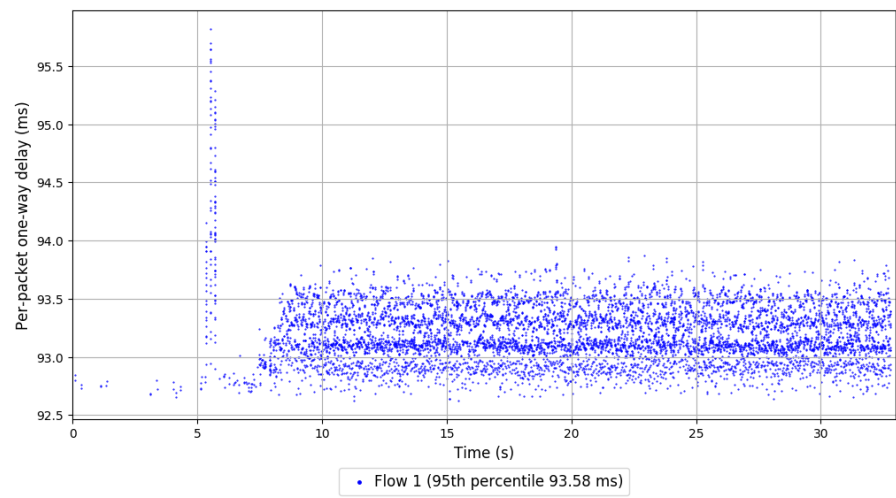

Flow 1 (95th percentile 103.13 ms)

```
Run 3: Statistics of WebRTC media

Start at: 2018-01-26 00:40:01
End at: 2018-01-26 00:40:31
Local clock offset: 0.266 ms
Remote clock offset: -2.161 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 102.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 102.148 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.99 Mbit/s) --- Flow 1 egress (mean 1.99 Mbit/s)
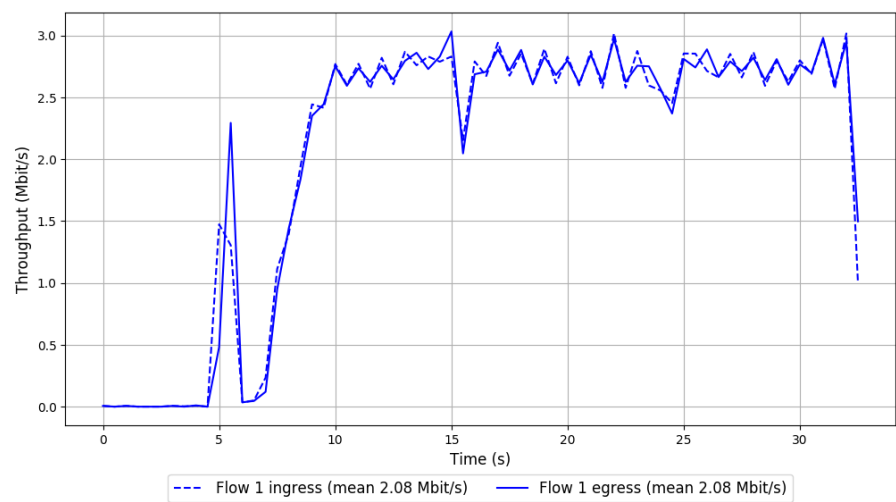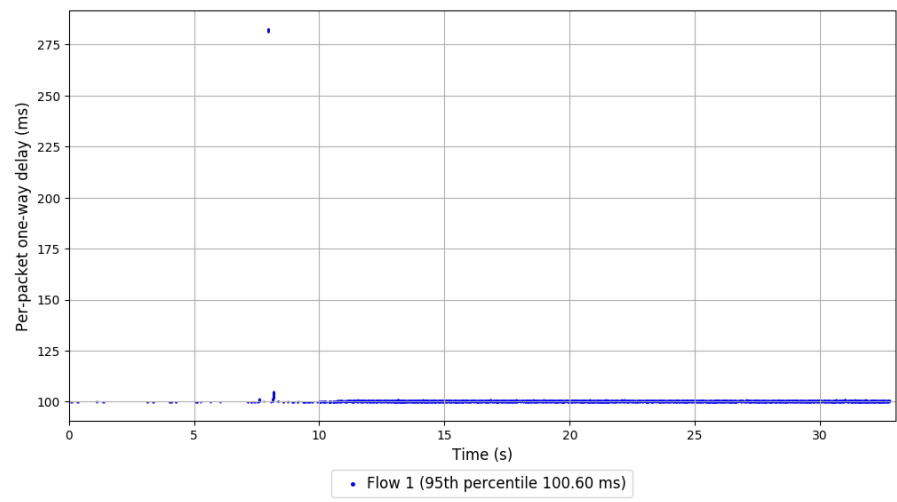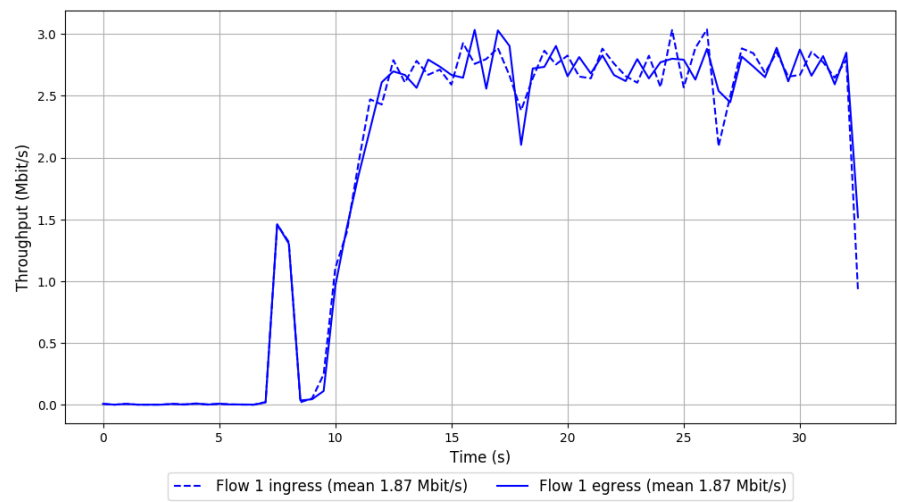

Flow 1 (95th percentile 102.15 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2018-01-26 00:59:46
End at: 2018-01-26 01:00:16
Local clock offset: 0.216 ms
Remote clock offset: -7.492 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 93.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 93.584 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.08 Mbit/s)   Flow 1 egress (mean 2.08 Mbit/s)
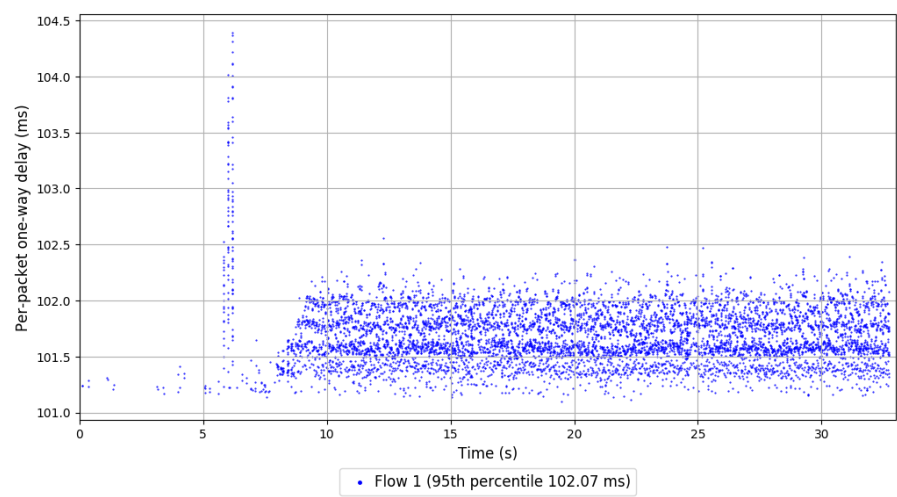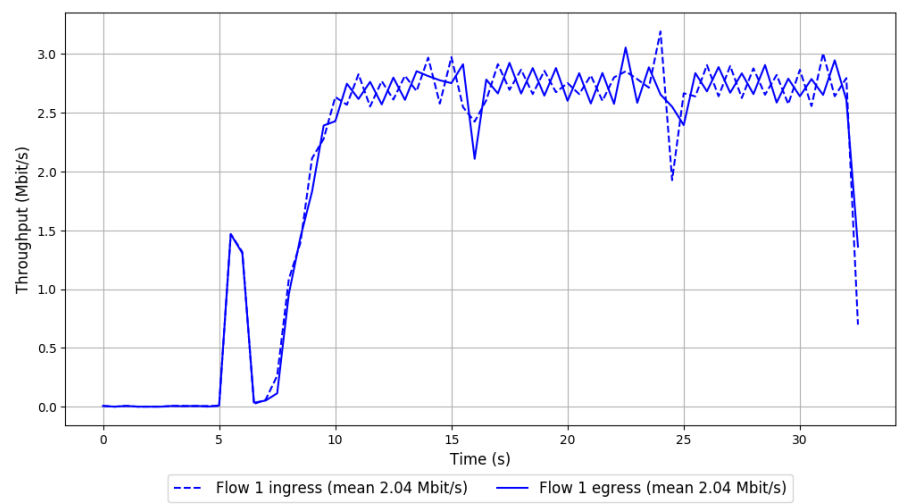

Flow 1 (95th percentile 93.58 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2018-01-26 01:19:28
End at: 2018-01-26 01:19:58
Local clock offset: 0.198 ms
Remote clock offset: -2.833 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 100.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 100.602 ms
Loss rate: 0.00%
```
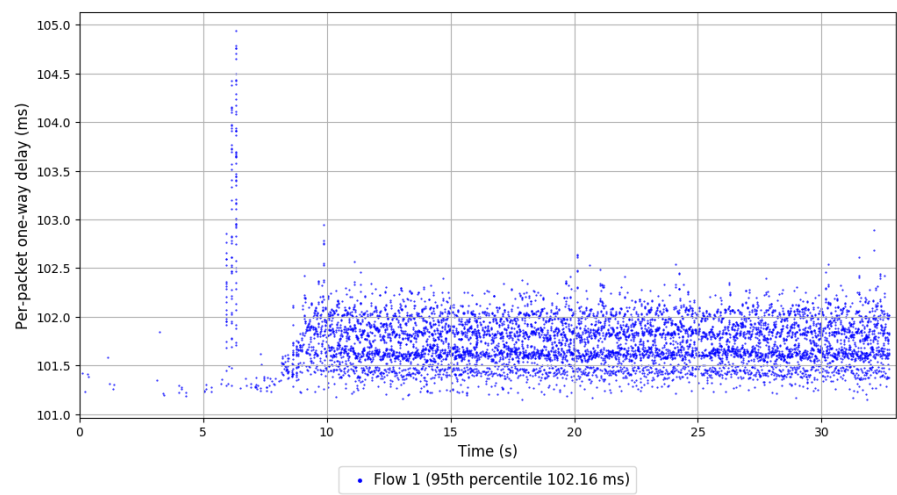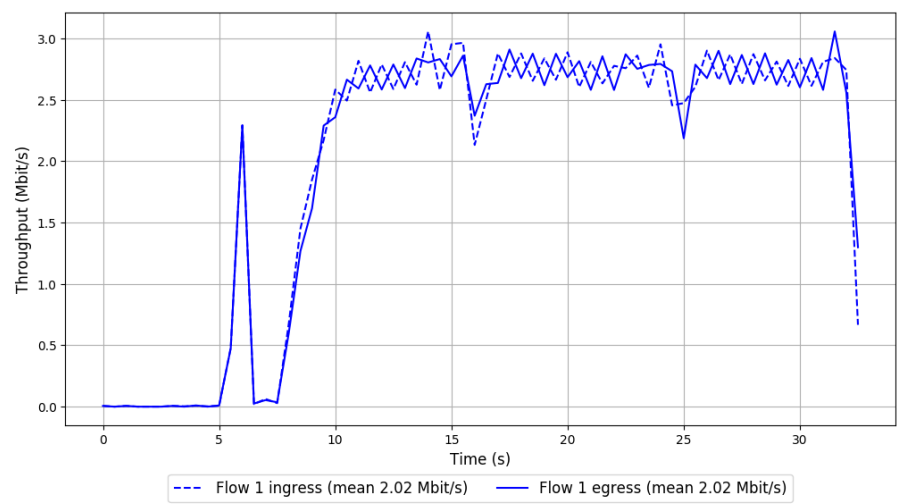
Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.87 Mbit/s) --- Flow 1 egress (mean 1.87 Mbit/s)

• Flow 1 (95th percentile 100.60 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-01-26 01:39:12
End at: 2018-01-26 01:39:42
Local clock offset: 0.102 ms
Remote clock offset: -1.021 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 102.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 102.071 ms
Loss rate: 0.00%
```
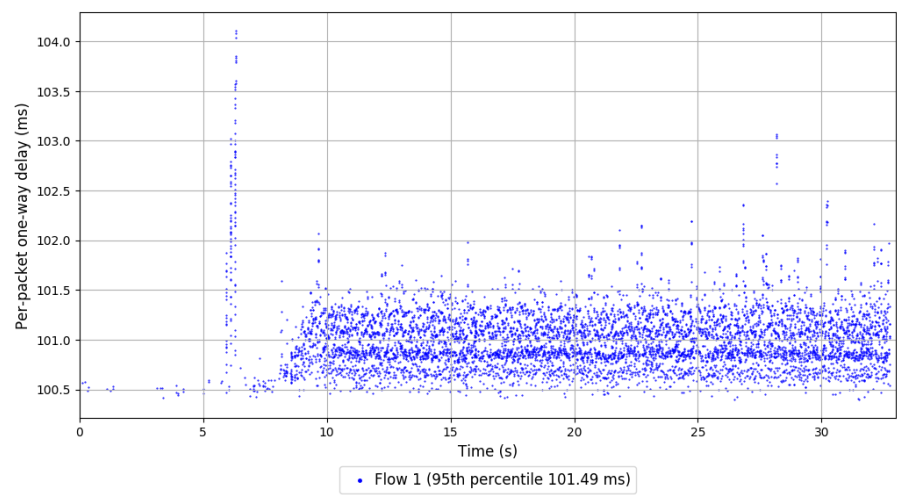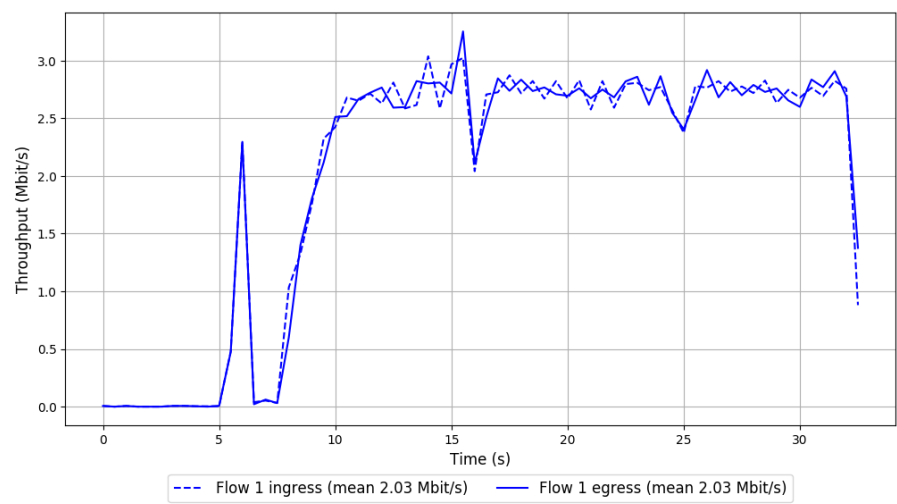
Run 6: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 102.07 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2018-01-26 01:58:51
End at: 2018-01-26 01:59:21
Local clock offset: -0.227 ms
Remote clock offset: -7.799 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 102.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 102.162 ms
Loss rate: 0.00%
```
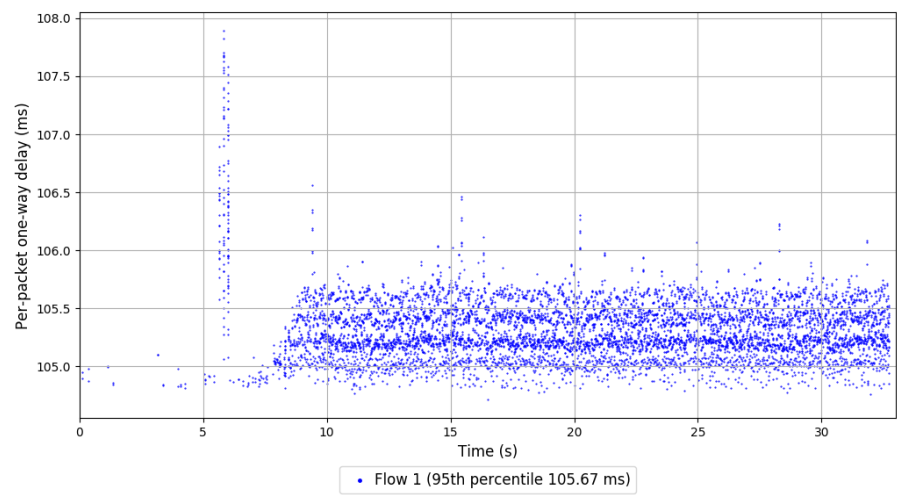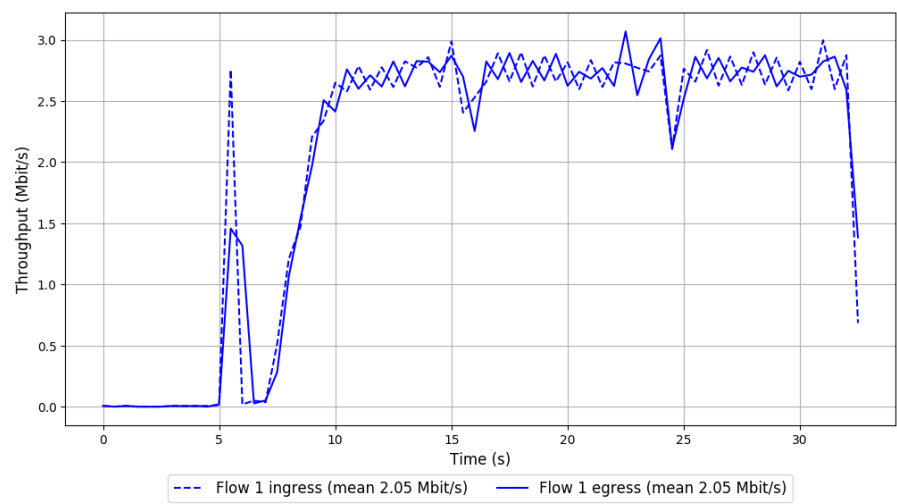
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-01-26 02:18:25
End at: 2018-01-26 02:18:55
Local clock offset: -0.206 ms
Remote clock offset: -2.954 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 101.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 101.493 ms
Loss rate: 0.00%
```
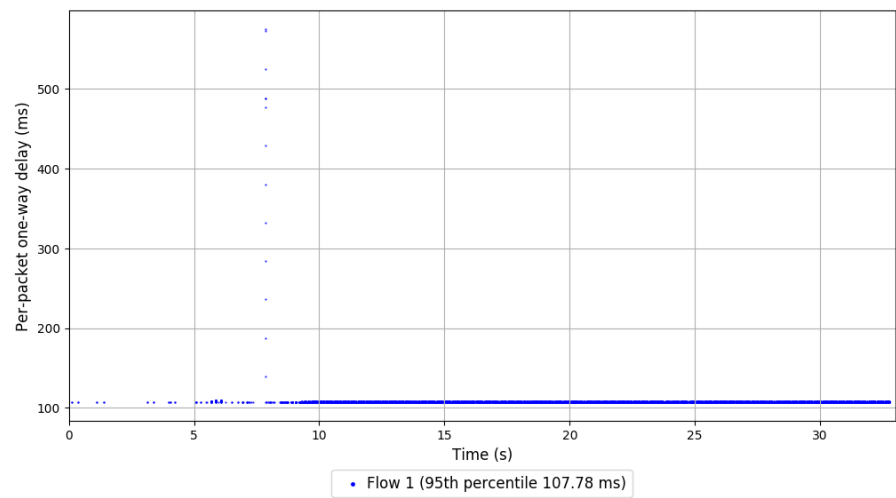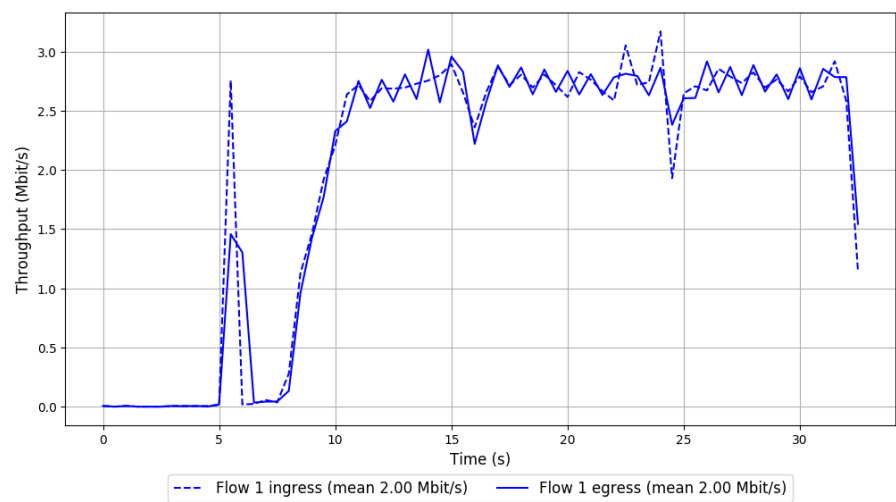
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-01-26 02:38:02
End at: 2018-01-26 02:38:32
Local clock offset: -0.214 ms
Remote clock offset: -1.766 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 105.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 105.669 ms
Loss rate: 0.00%
```
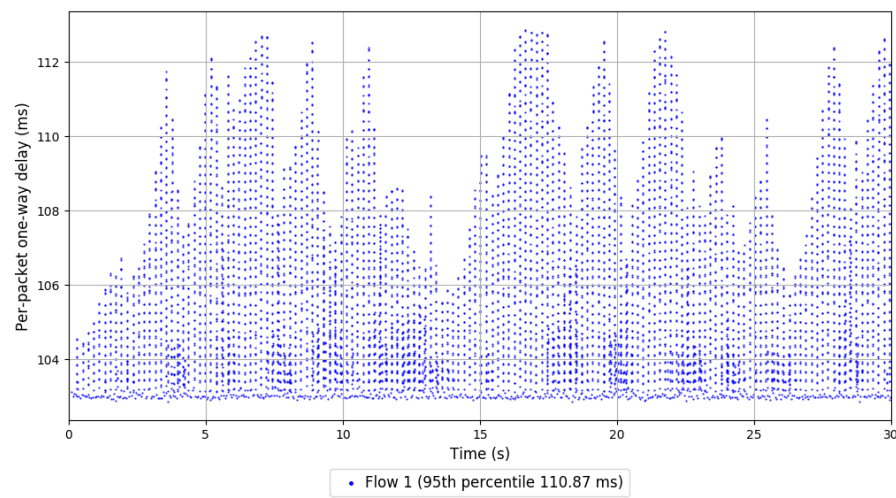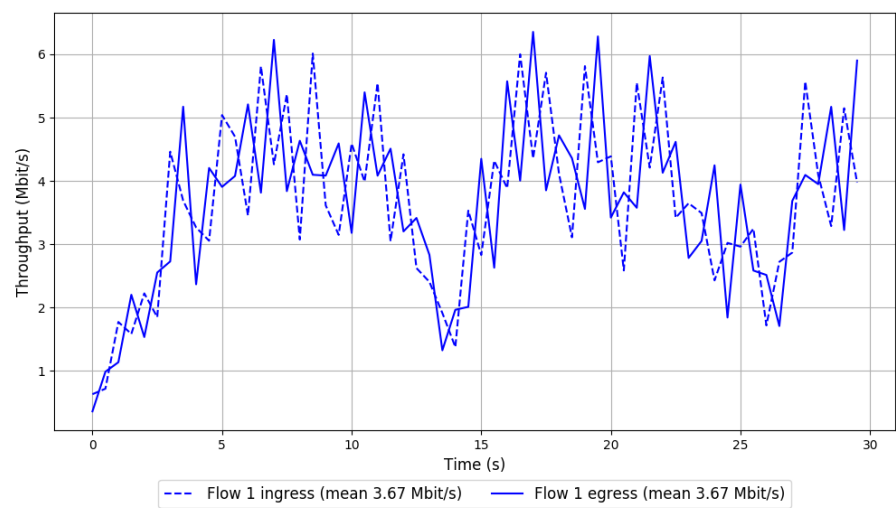
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.05 Mbit/s) --- Flow 1 egress (mean 2.05 Mbit/s)

• Flow 1 (95th percentile 105.67 ms)

```
Run 10: Statistics of WebRTC media

Start at: 2018-01-26 02:57:39
End at: 2018-01-26 02:58:09
Local clock offset: -0.421 ms
Remote clock offset: -1.785 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 107.784 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 107.784 ms
Loss rate: 0.03%
```
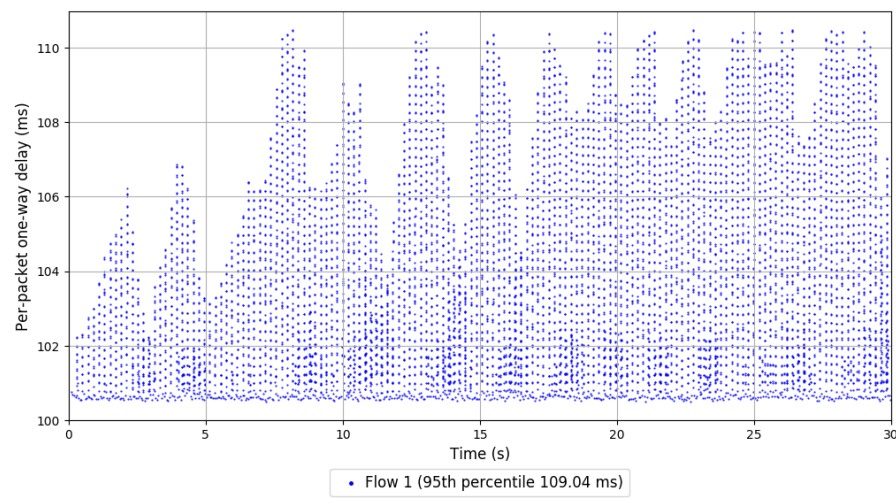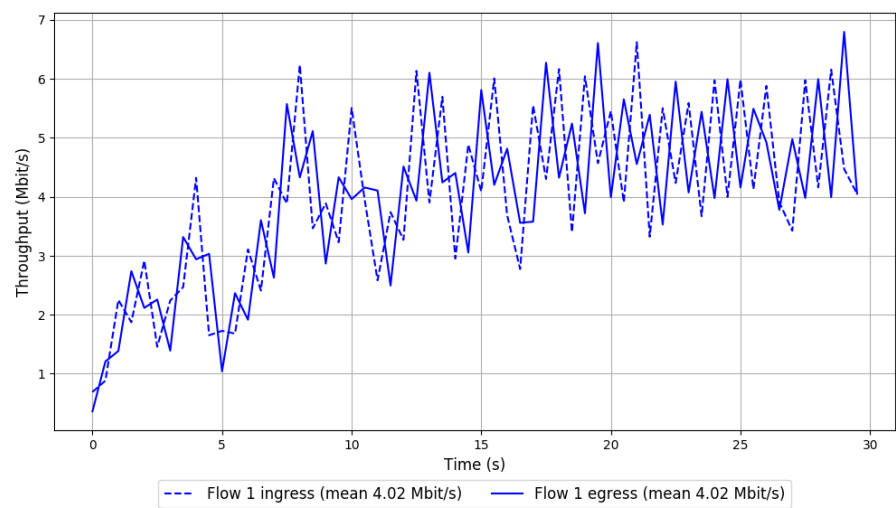
Run 10: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 107.78 ms)

143

```
Run 1: Statistics of Sprout

Start at: 2018-01-25 23:49:43
End at: 2018-01-25 23:50:13
Local clock offset: 0.266 ms
Remote clock offset: -1.631 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 110.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 110.871 ms
Loss rate: 0.00%
```

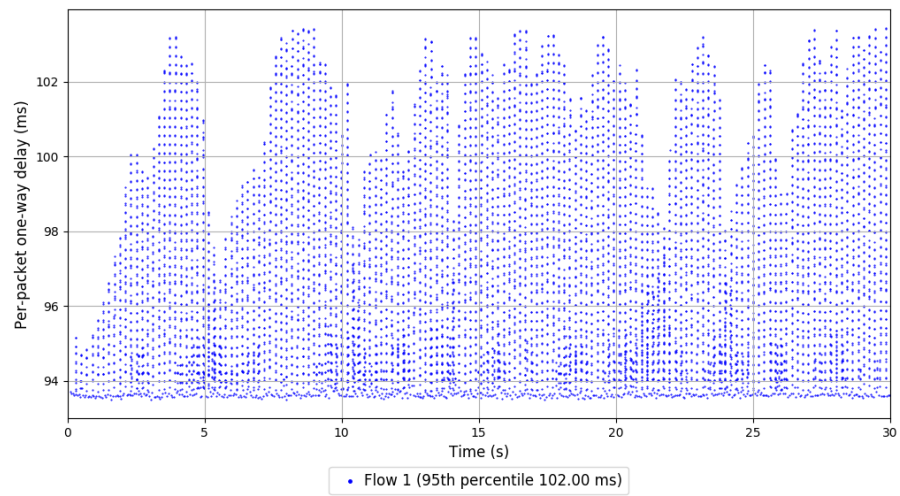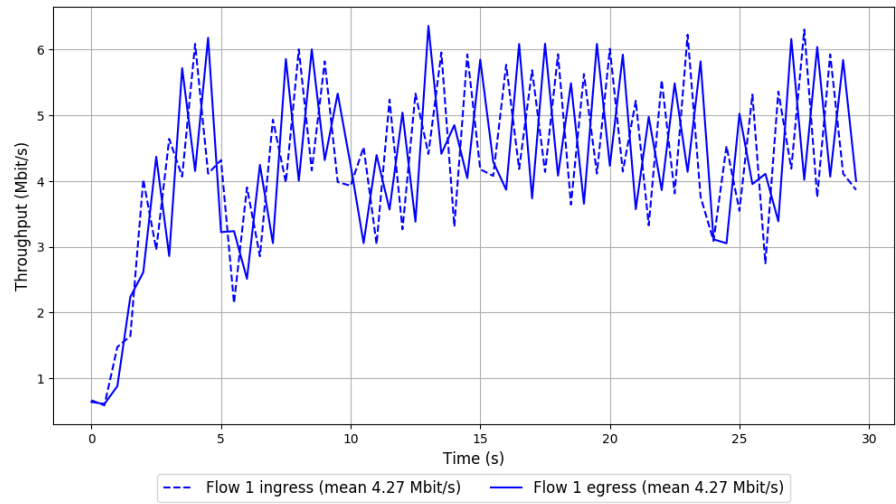Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-01-26 00:09:27
End at: 2018-01-26 00:09:57
Local clock offset: 0.313 ms
Remote clock offset: -1.032 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 109.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 109.038 ms
Loss rate: 0.00%
```

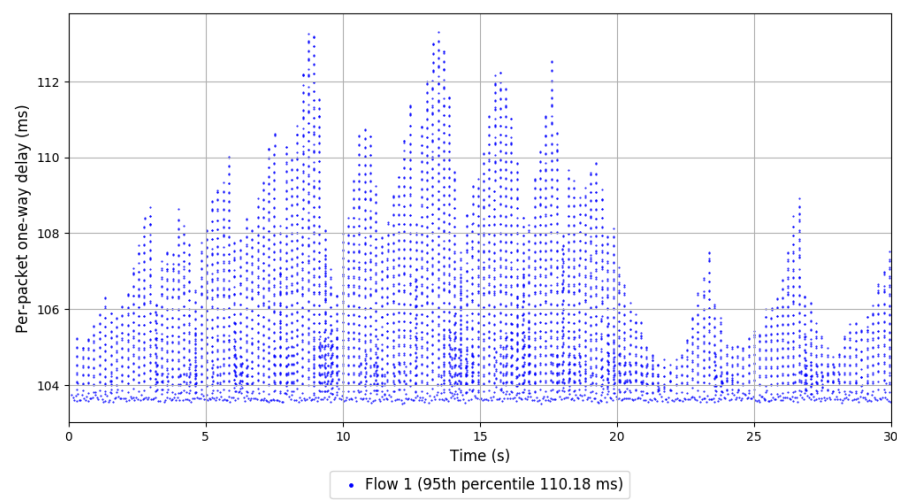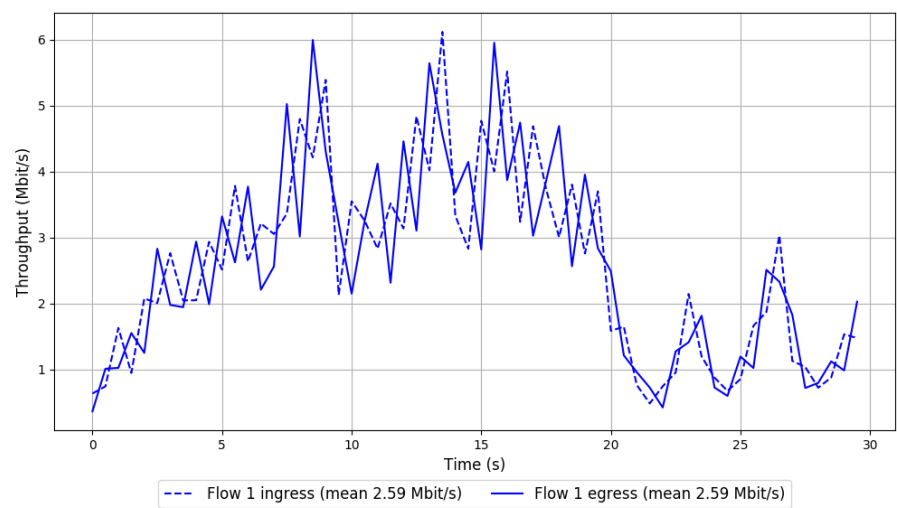Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2018-01-26 00:29:04
End at: 2018-01-26 00:29:34
Local clock offset: 0.282 ms
Remote clock offset: -6.09 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 101.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 101.996 ms
Loss rate: 0.00%
```

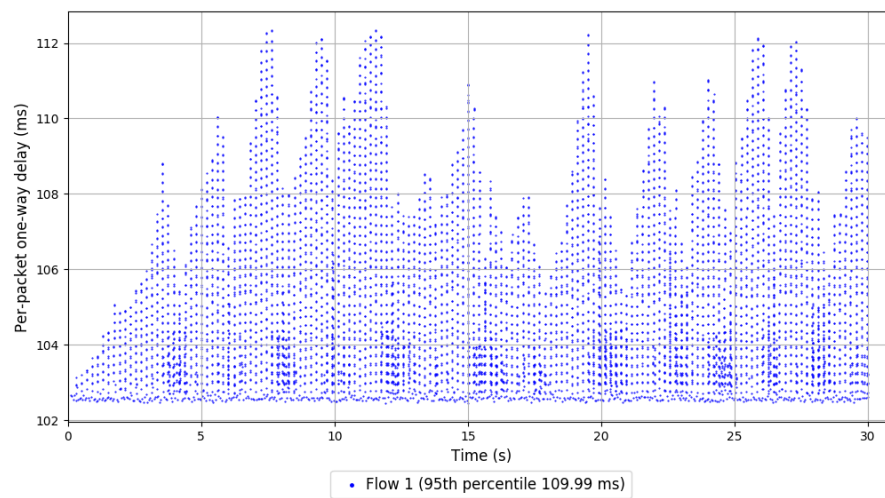Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: 2018-01-26 00:48:42
End at: 2018-01-26 00:49:12
Local clock offset: 0.141 ms
Remote clock offset: -1.716 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 110.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 110.179 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 2.59 Mbit/s)   Flow 1 egress (mean 2.59 Mbit/s)

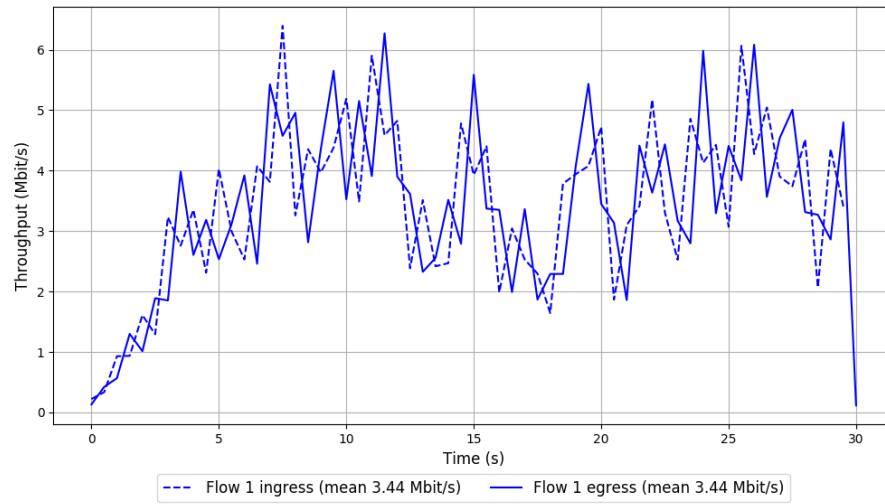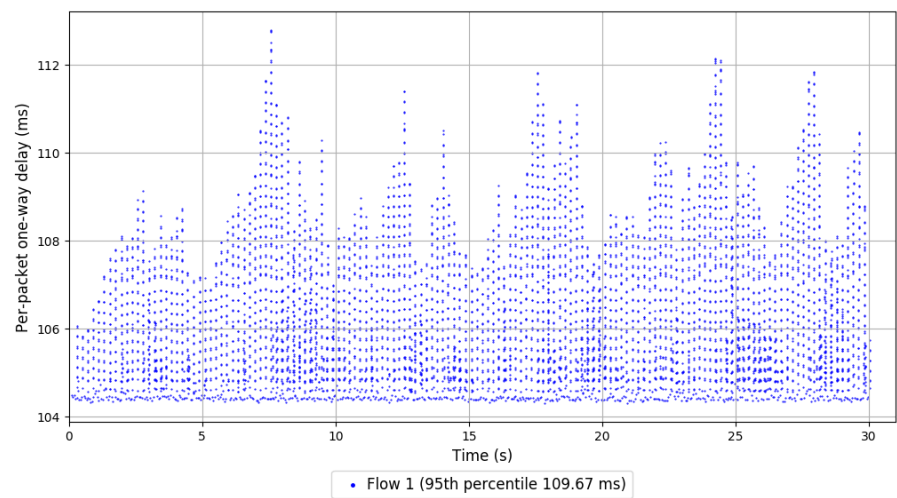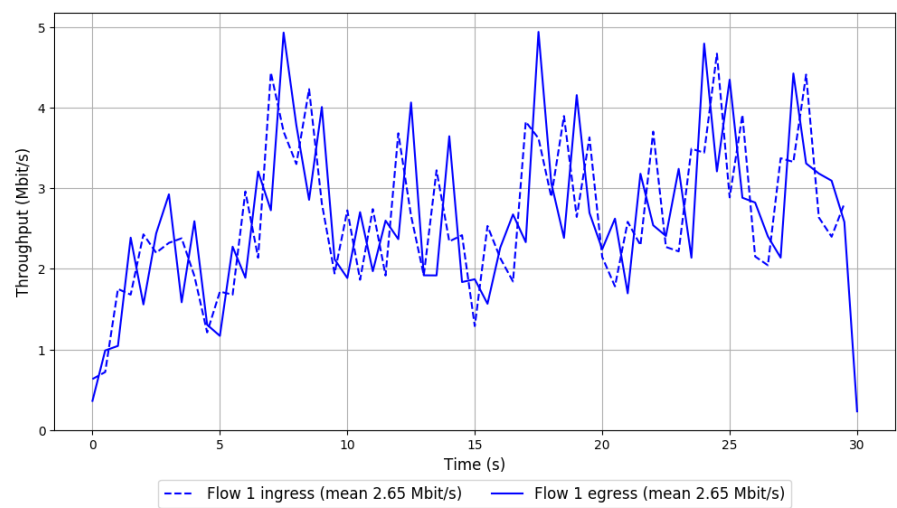Flow 1 (95th percentile 110.18 ms)

```
Run 5: Statistics of Sprout

Start at: 2018-01-26 01:08:26
End at: 2018-01-26 01:08:56
Local clock offset: 0.236 ms
Remote clock offset: -2.749 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 109.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 109.988 ms
Loss rate: 0.00%
```

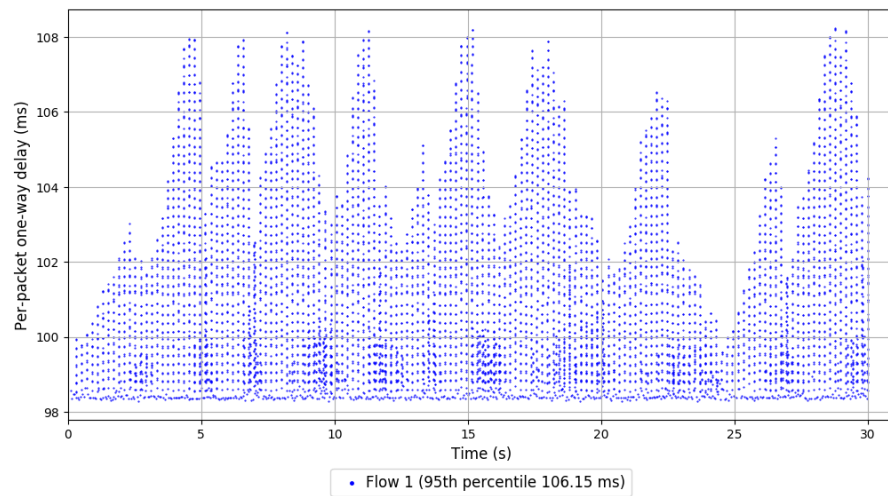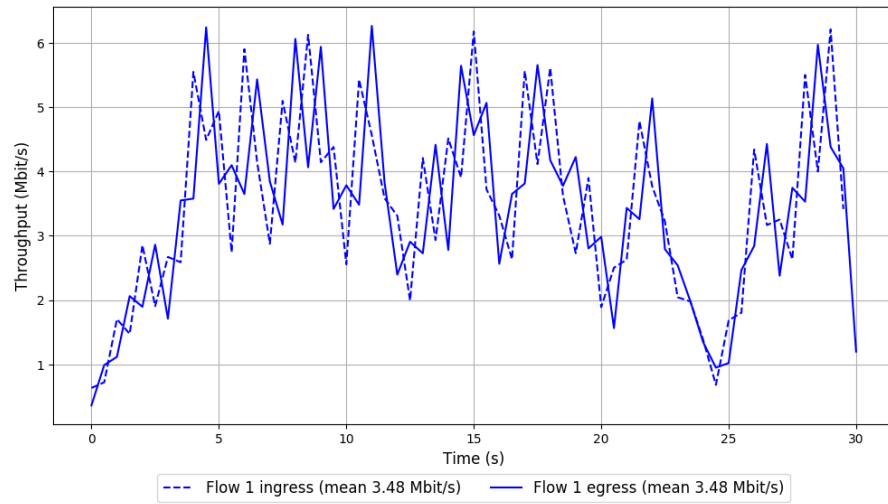# Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 3.44 Mbit/s)   Flow 1 egress (mean 3.44 Mbit/s)

Flow 1 (95th percentile 109.99 ms)

```
Run 6: Statistics of Sprout

Start at: 2018-01-26 01:28:04
End at: 2018-01-26 01:28:34
Local clock offset: 0.116 ms
Remote clock offset: -2.731 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 109.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 109.674 ms
Loss rate: 0.00%
```

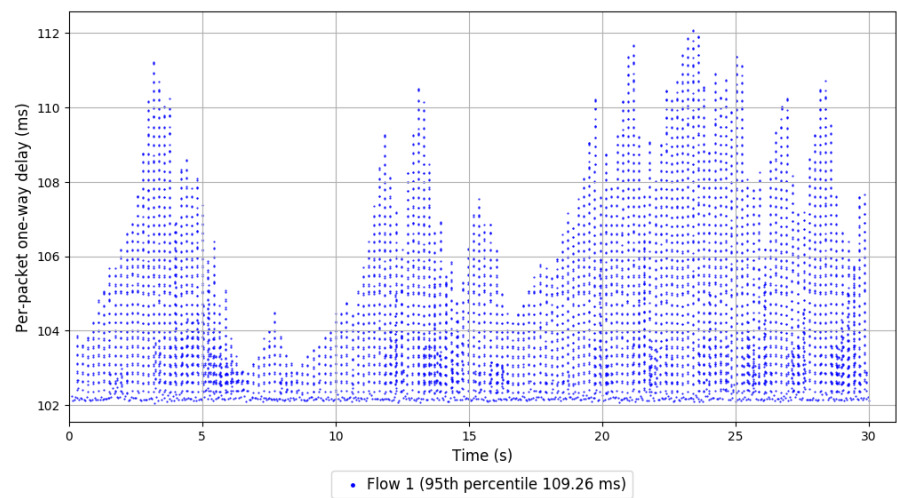Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2018-01-26 01:47:47
End at: 2018-01-26 01:48:17
Local clock offset: -0.048 ms
Remote clock offset: -2.021 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 106.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 106.147 ms
Loss rate: 0.00%
```

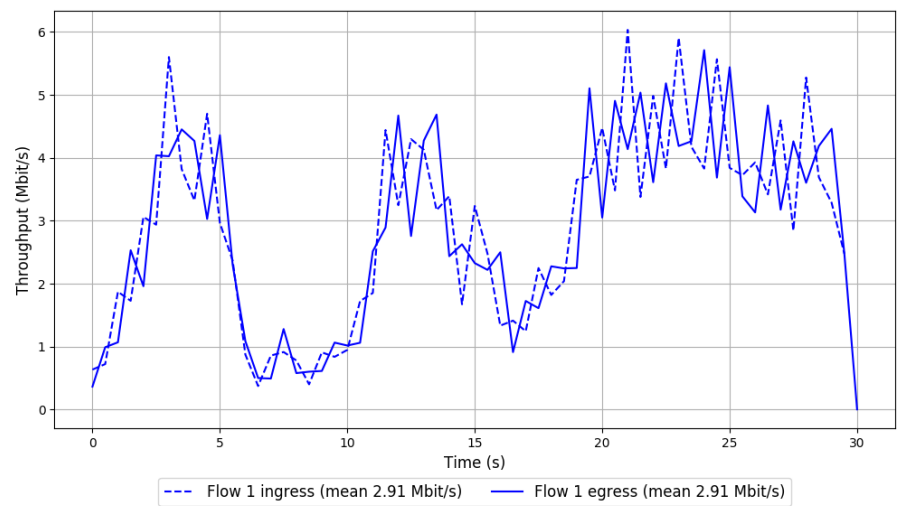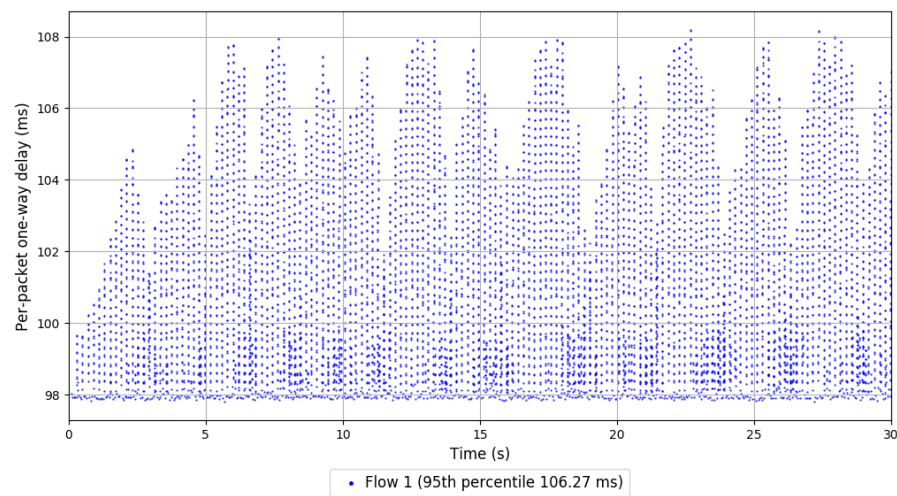Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2018-01-26 02:07:28
End at: 2018-01-26 02:07:58
Local clock offset: -0.153 ms
Remote clock offset: -1.946 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 109.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 109.263 ms
Loss rate: 0.00%
```

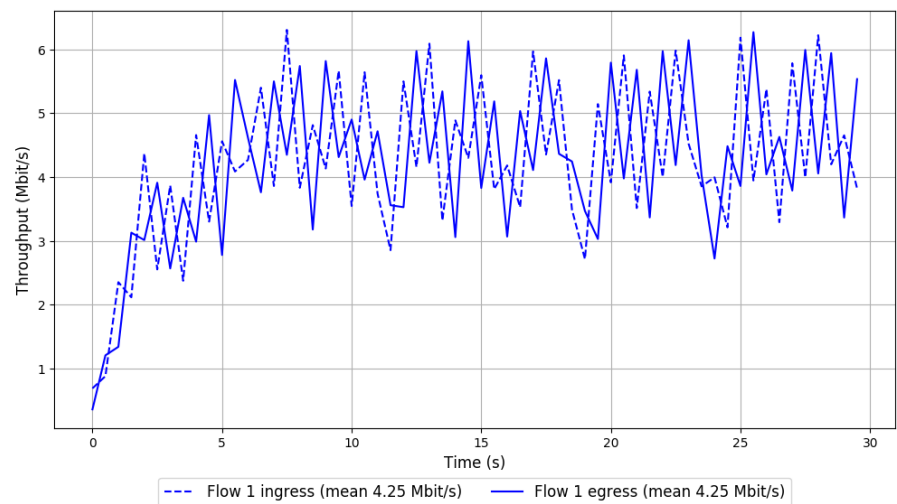Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-01-26 02:27:00
End at: 2018-01-26 02:27:30
Local clock offset: -0.205 ms
Remote clock offset: -2.954 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 106.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 106.268 ms
Loss rate: 0.00%
```
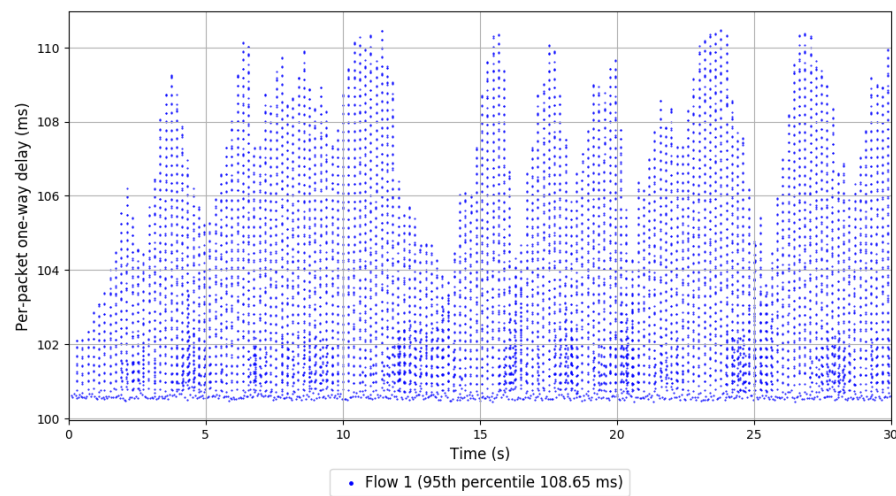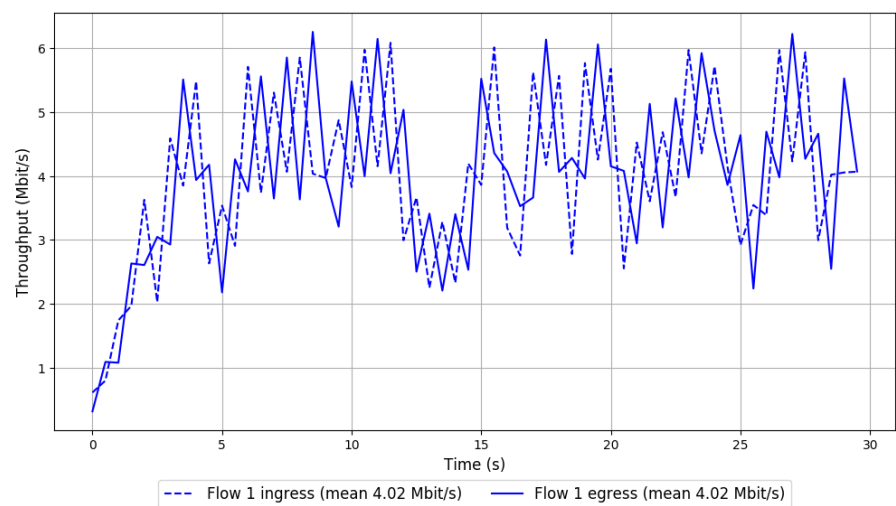
Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-01-26 02:46:38
End at: 2018-01-26 02:47:08
Local clock offset: -0.367 ms
Remote clock offset: -0.891 ms


# Below is generated by plot.py at 2018-01-26 10:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 108.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 108.647 ms
Loss rate: 0.00%
```
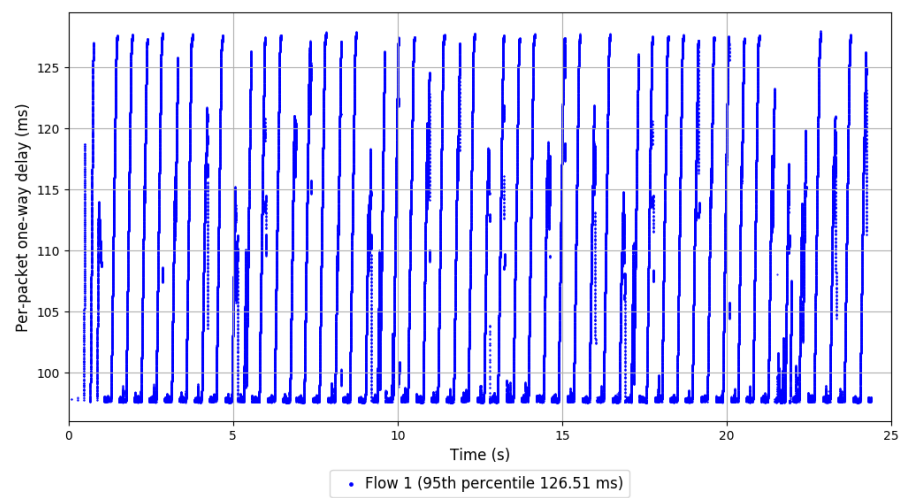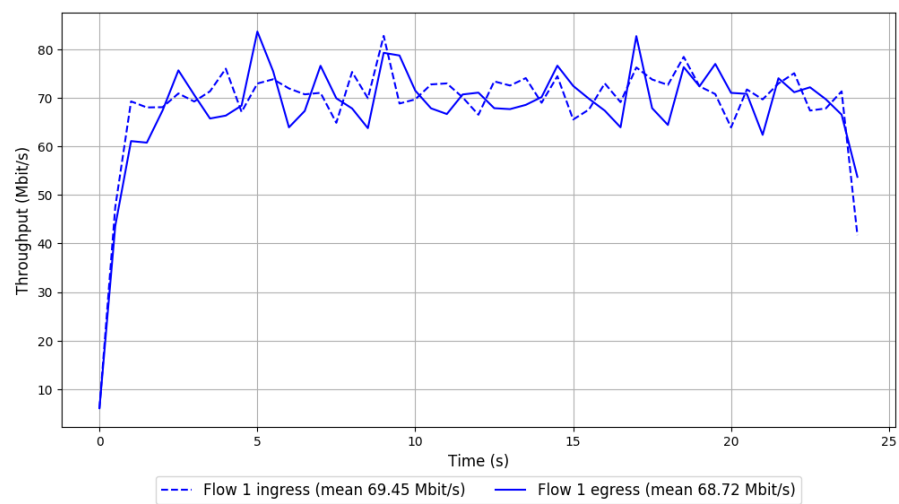
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 4.02 Mbit/s) ——— Flow 1 egress (mean 4.02 Mbit/s)

• Flow 1 (95th percentile 108.65 ms)

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

Start at: 2018-01-25 23:55:43
End at: 2018-01-25 23:56:13
Local clock offset: 0.293 ms
Remote clock offset: -5.748 ms


# Below is generated by plot.py at 2018-01-26 10:09:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.72 Mbit/s
95th percentile per-packet one-way delay: 126.512 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 68.72 Mbit/s
95th percentile per-packet one-way delay: 126.512 ms
Loss rate: 1.06%
```
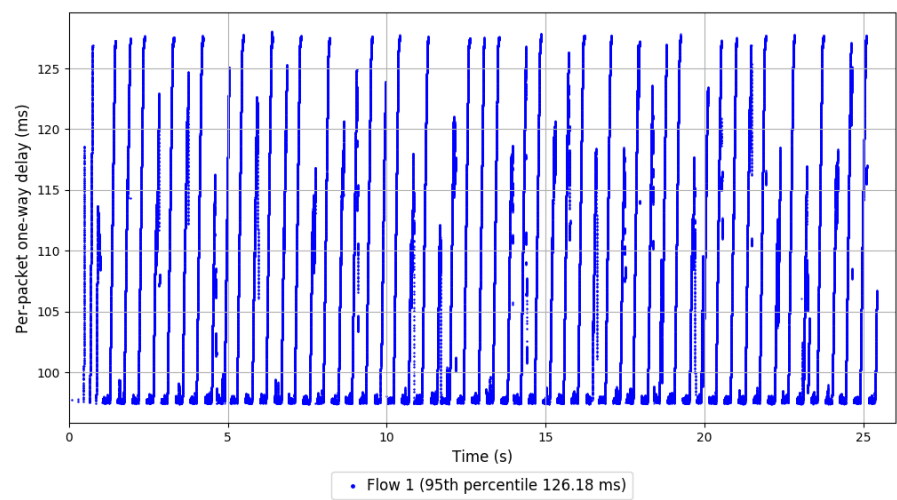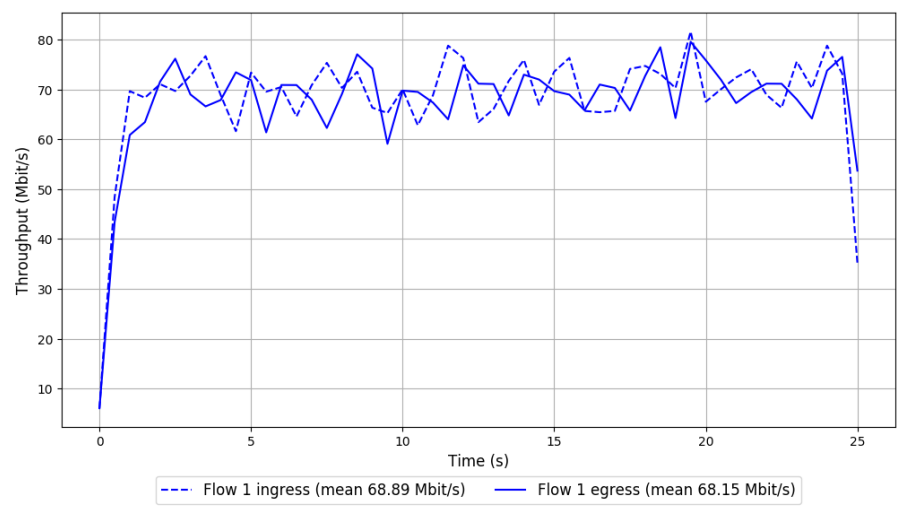
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.45 Mbit/s)   Flow 1 egress (mean 68.72 Mbit/s)

• Flow 1 (95th percentile 126.51 ms)

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

Start at: 2018-01-26 00:15:26
End at: 2018-01-26 00:15:56
Local clock offset: 0.317 ms
Remote clock offset: -5.899 ms


# Below is generated by plot.py at 2018-01-26 10:09:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 126.182 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 126.182 ms
Loss rate: 1.04%
```
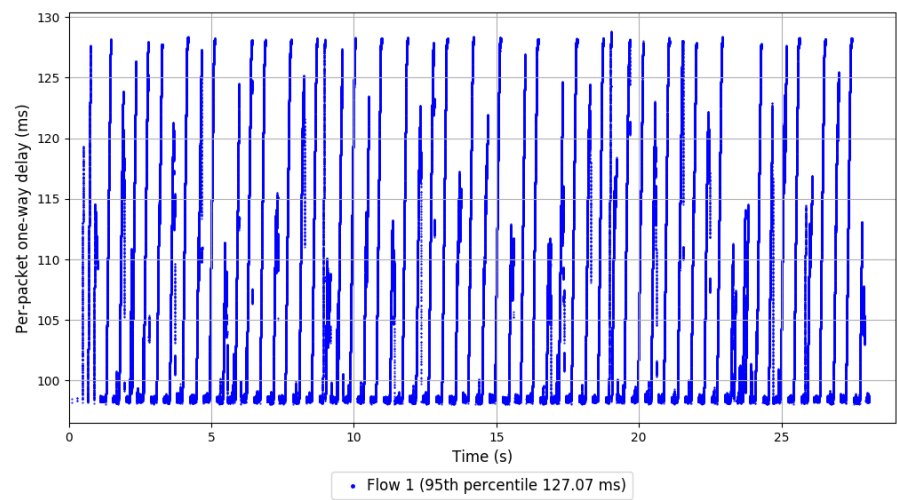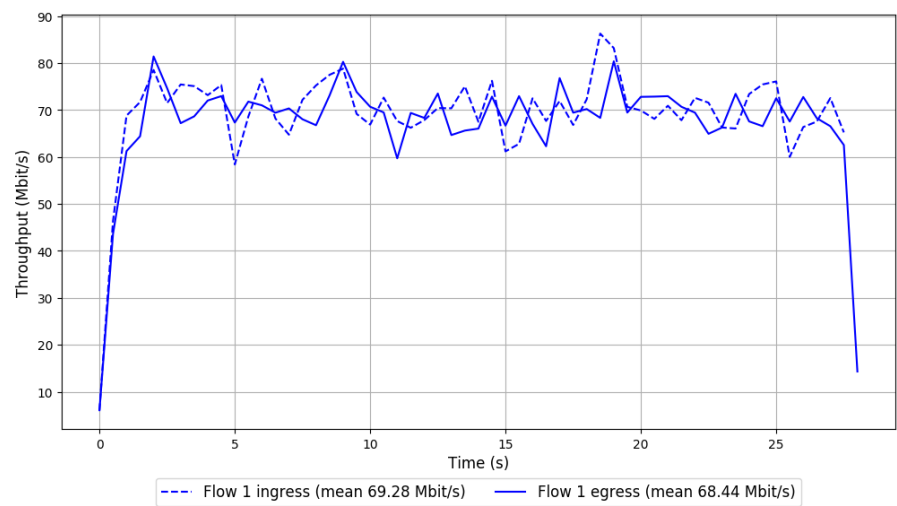
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 68.89 Mbit/s)   Flow 1 egress (mean 68.15 Mbit/s)

• Flow 1 (95th percentile 126.18 ms)

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

Start at: 2018-01-26 00:35:02
End at: 2018-01-26 00:35:32
Local clock offset: 0.281 ms
Remote clock offset: -7.028 ms


# Below is generated by plot.py at 2018-01-26 10:09:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.44 Mbit/s
95th percentile per-packet one-way delay: 127.070 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 68.44 Mbit/s
95th percentile per-packet one-way delay: 127.070 ms
Loss rate: 1.23%
```
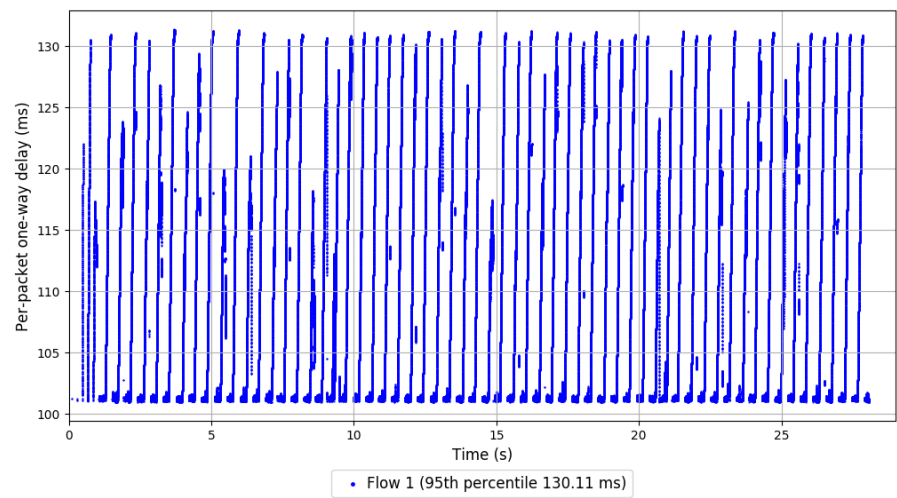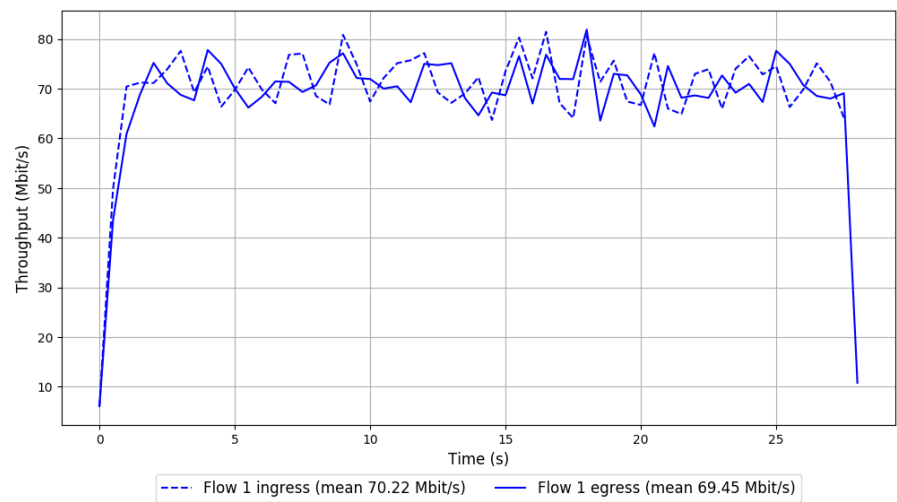
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.28 Mbit/s) — Flow 1 egress (mean 68.44 Mbit/s)

• Flow 1 (95th percentile 127.07 ms)

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

Start at: 2018-01-26 00:54:42
End at: 2018-01-26 00:55:12
Local clock offset: 0.23 ms
Remote clock offset: -0.886 ms


# Below is generated by plot.py at 2018-01-26 10:09:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.45 Mbit/s
95th percentile per-packet one-way delay: 130.109 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 69.45 Mbit/s
95th percentile per-packet one-way delay: 130.109 ms
Loss rate: 1.10%
```
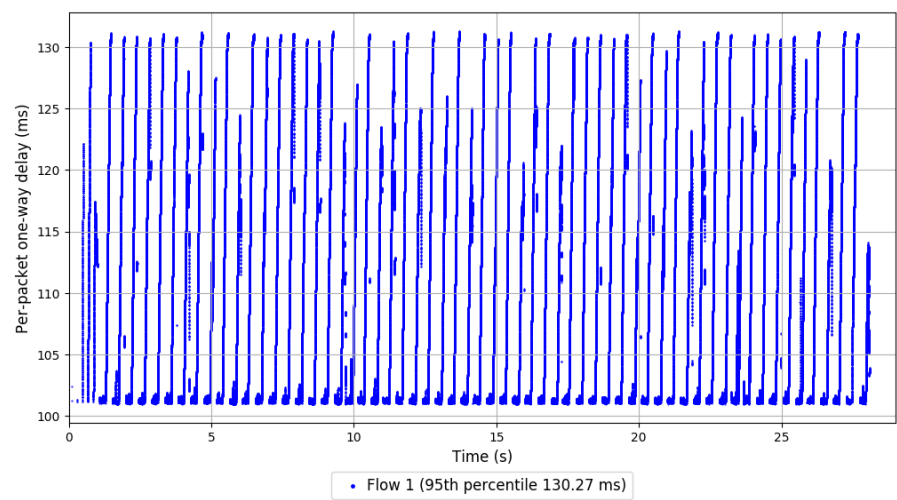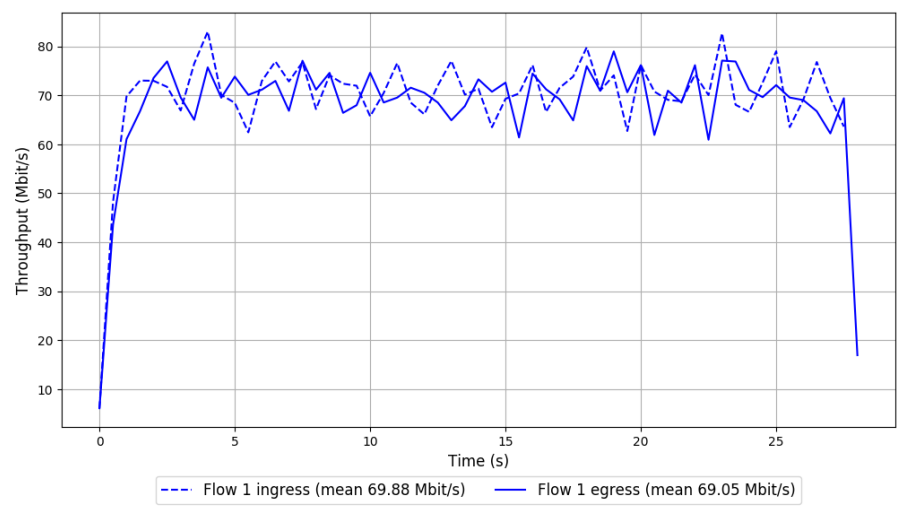
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 70.22 Mbit/s)   Flow 1 egress (mean 69.45 Mbit/s)

Flow 1 (95th percentile 130.11 ms)

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

Start at: 2018-01-26 01:14:24
End at: 2018-01-26 01:14:54
Local clock offset: 0.212 ms
Remote clock offset: -0.955 ms


# Below is generated by plot.py at 2018-01-26 10:09:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.05 Mbit/s
95th percentile per-packet one-way delay: 130.269 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 69.05 Mbit/s
95th percentile per-packet one-way delay: 130.269 ms
Loss rate: 1.19%
```
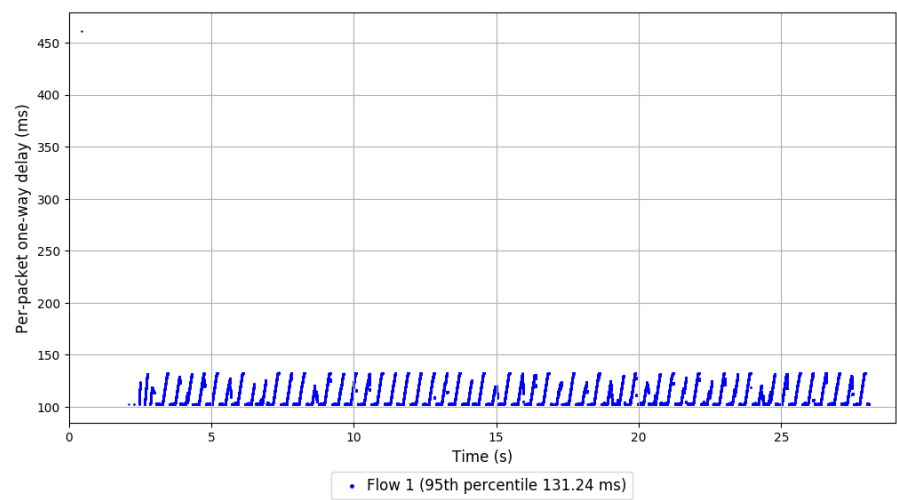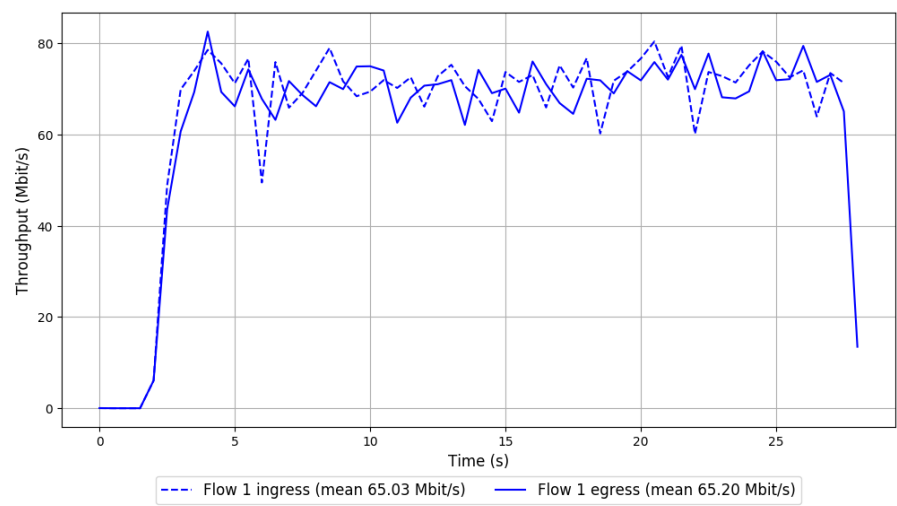
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.88 Mbit/s) ----- Flow 1 egress (mean 69.05 Mbit/s)
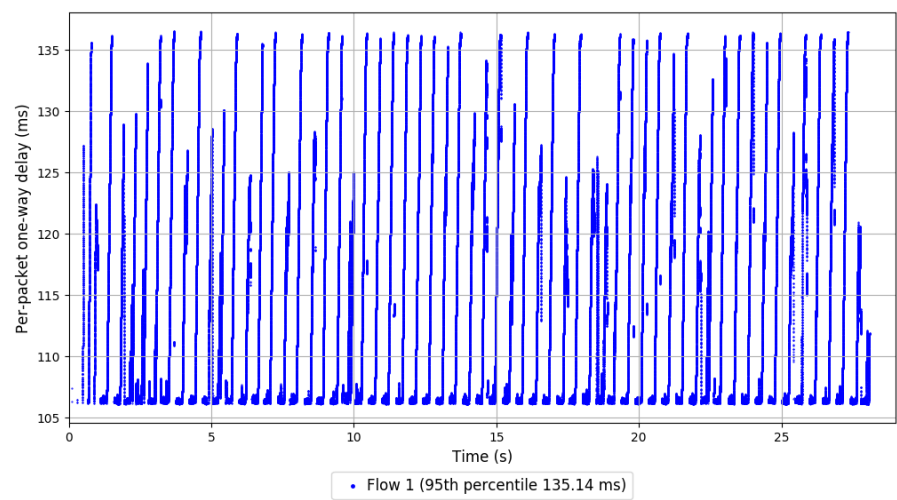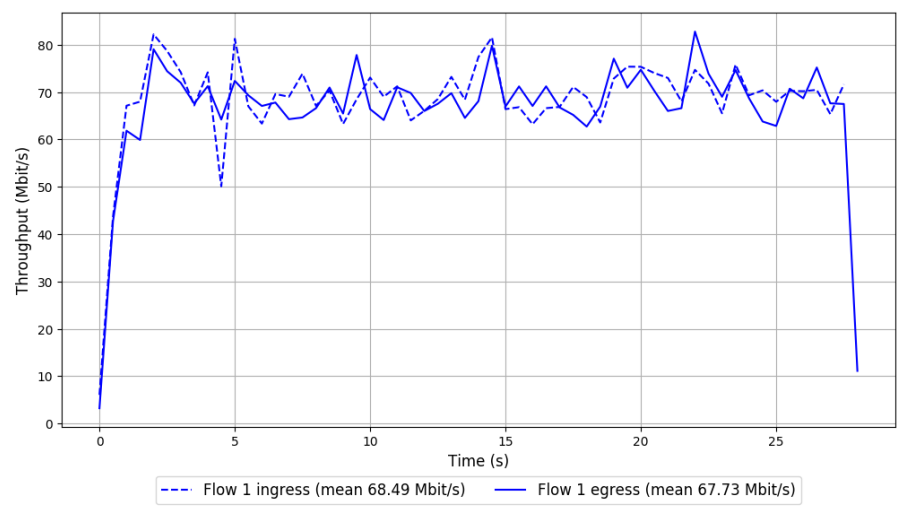

Flow 1 (95th percentile 130.27 ms)

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

Start at: 2018-01-26 01:34:08
End at: 2018-01-26 01:34:38
Local clock offset: 0.113 ms
Remote clock offset: -1.849 ms


# Below is generated by plot.py at 2018-01-26 10:09:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.20 Mbit/s
95th percentile per-packet one-way delay: 131.240 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 65.20 Mbit/s
95th percentile per-packet one-way delay: 131.240 ms
Loss rate: 1.03%
```

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

Flow 1 ingress (mean 65.03 Mbit/s) ----- Flow 1 egress (mean 65.20 Mbit/s)
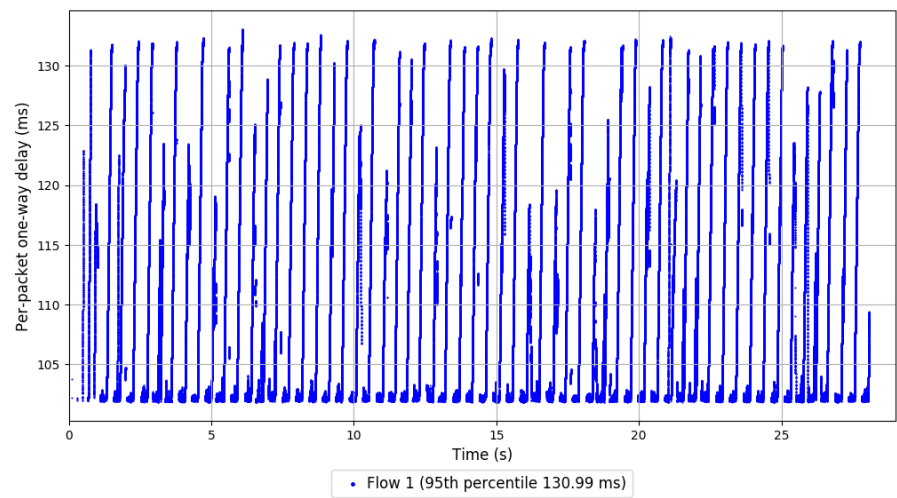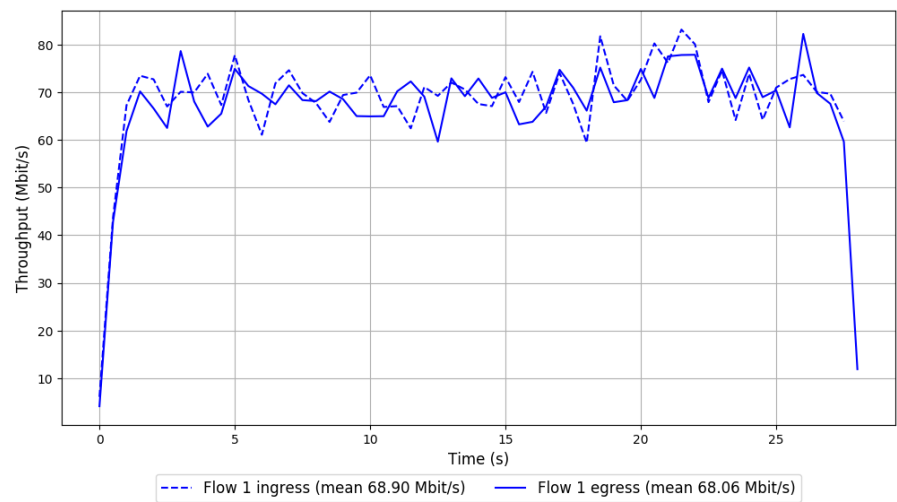

Flow 1 (95th percentile 131.24 ms)

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

Start at: 2018-01-26 01:53:46
End at: 2018-01-26 01:54:16
Local clock offset: -0.115 ms
Remote clock offset: -2.936 ms


# Below is generated by plot.py at 2018-01-26 10:09:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 135.138 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 135.138 ms
Loss rate: 1.12%
```

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

Flow 1 ingress (mean 68.49 Mbit/s)   Flow 1 egress (mean 67.73 Mbit/s)
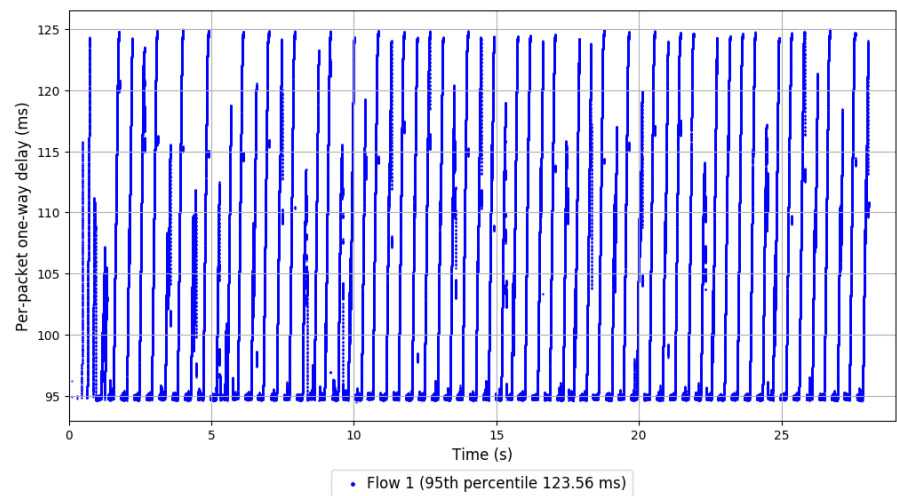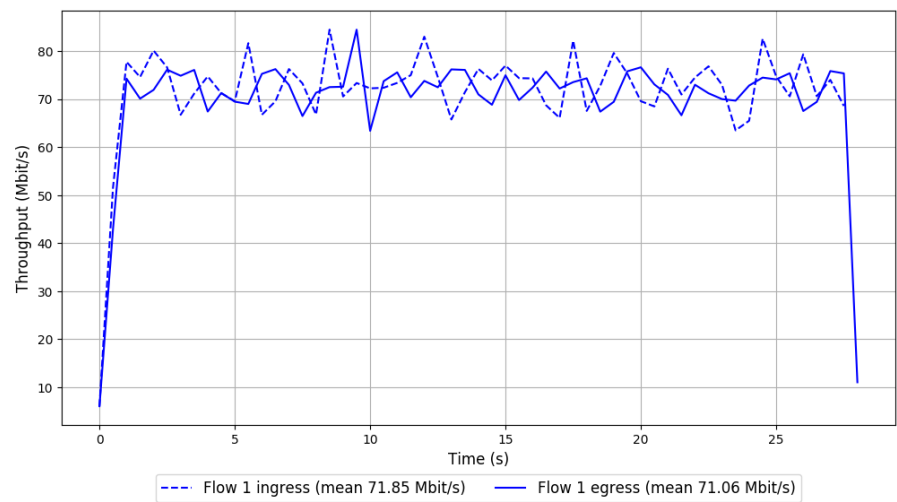

Flow 1 (95th percentile 135.14 ms)

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

Start at: 2018-01-26 02:13:27
End at: 2018-01-26 02:13:57
Local clock offset: -0.178 ms
Remote clock offset: -6.811 ms


# Below is generated by plot.py at 2018-01-26 10:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 130.992 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 130.992 ms
Loss rate: 1.22%
```

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

Flow 1 ingress (mean 68.90 Mbit/s) ----   Flow 1 egress (mean 68.06 Mbit/s) ——
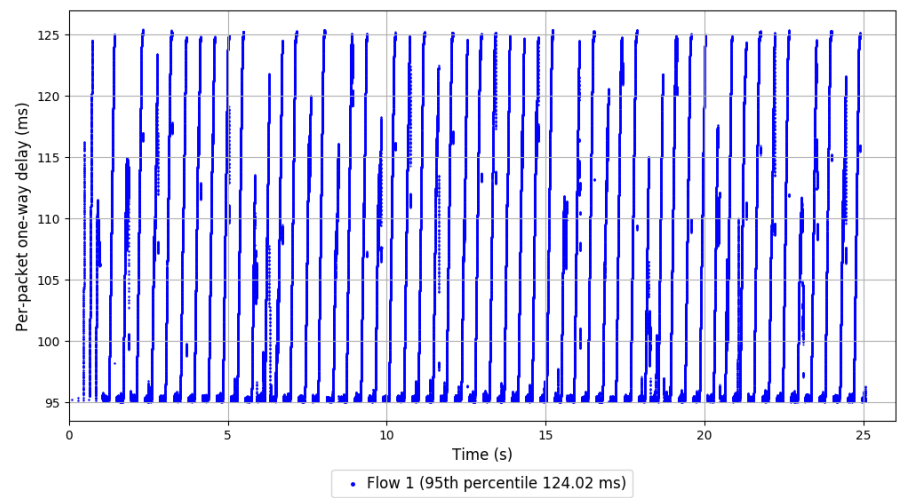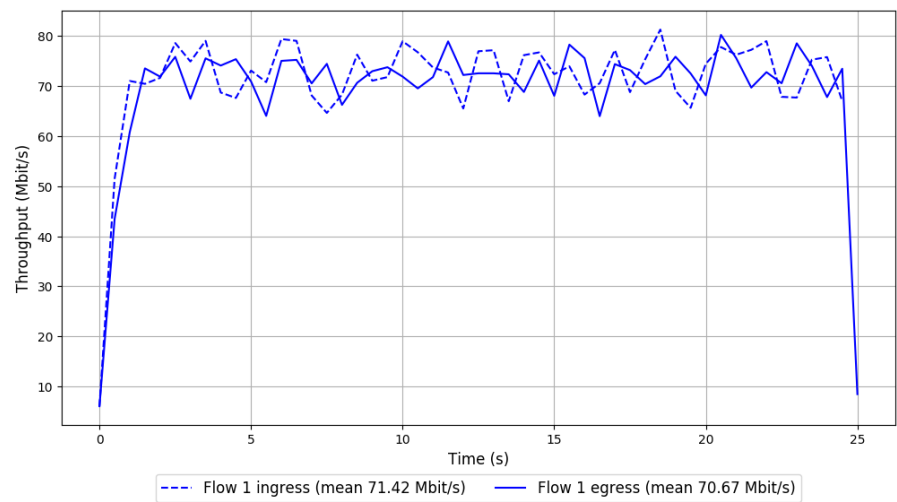

Flow 1 (95th percentile 130.99 ms)

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

Start at: 2018-01-26 02:32:59
End at: 2018-01-26 02:33:29
Local clock offset: -0.226 ms
Remote clock offset: -6.677 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 123.559 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 123.559 ms
Loss rate: 1.05%
```
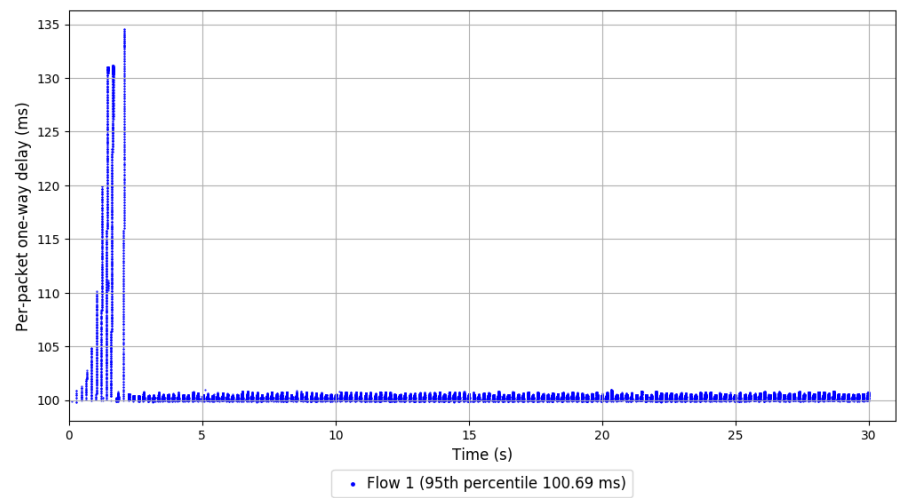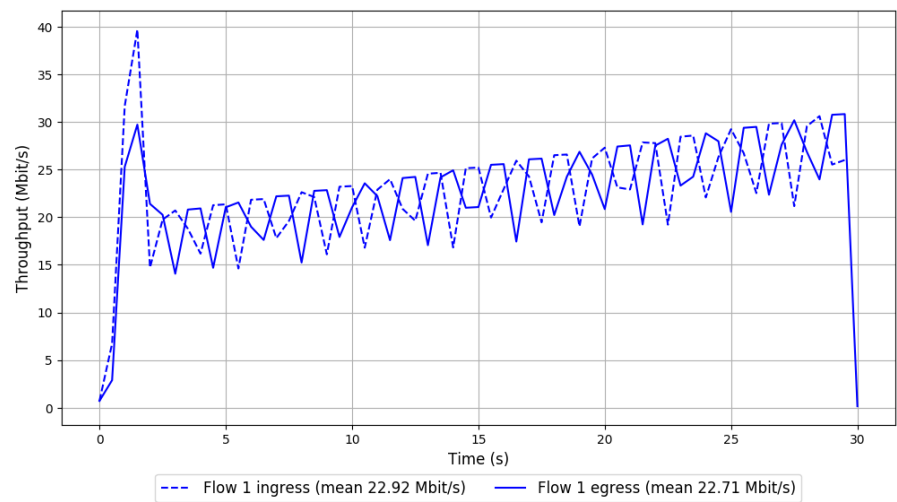
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.85 Mbit/s) ----- Flow 1 egress (mean 71.06 Mbit/s)

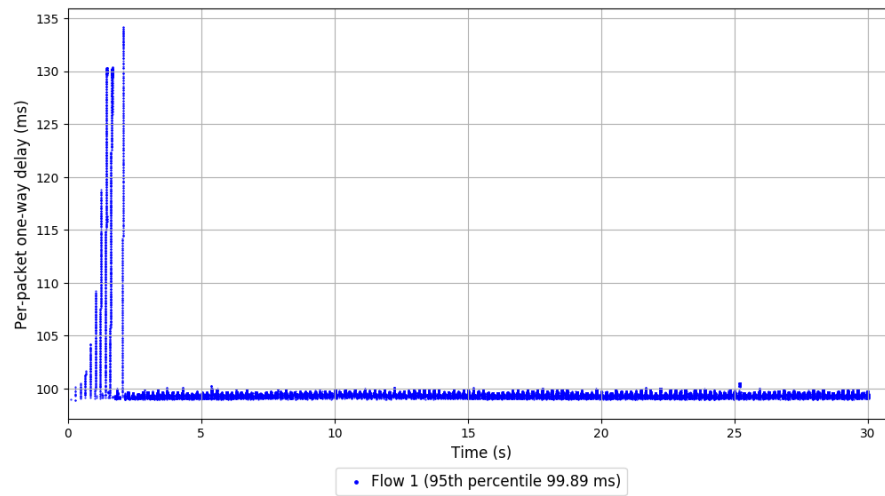
• Flow 1 (95th percentile 123.56 ms)

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

Start at: 2018-01-26 02:52:37
End at: 2018-01-26 02:53:07
Local clock offset: -0.382 ms
Remote clock offset: -6.671 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 124.024 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 124.024 ms
Loss rate: 1.05%
```

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

Flow 1 ingress (mean 71.42 Mbit/s) --- Flow 1 egress (mean 70.67 Mbit/s)
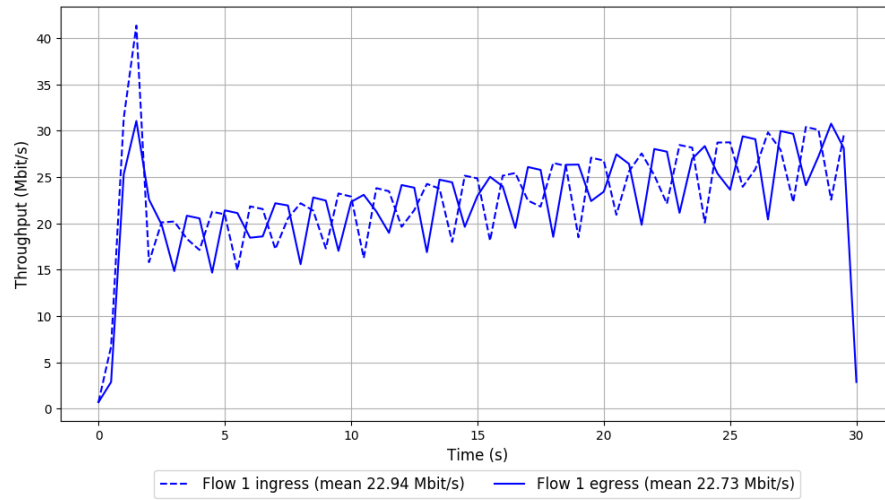

Flow 1 (95th percentile 124.02 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-01-26 00:05:44
End at: 2018-01-26 00:06:14
Local clock offset: 0.313 ms
Remote clock offset: -6.767 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 100.695 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 100.695 ms
Loss rate: 0.93%
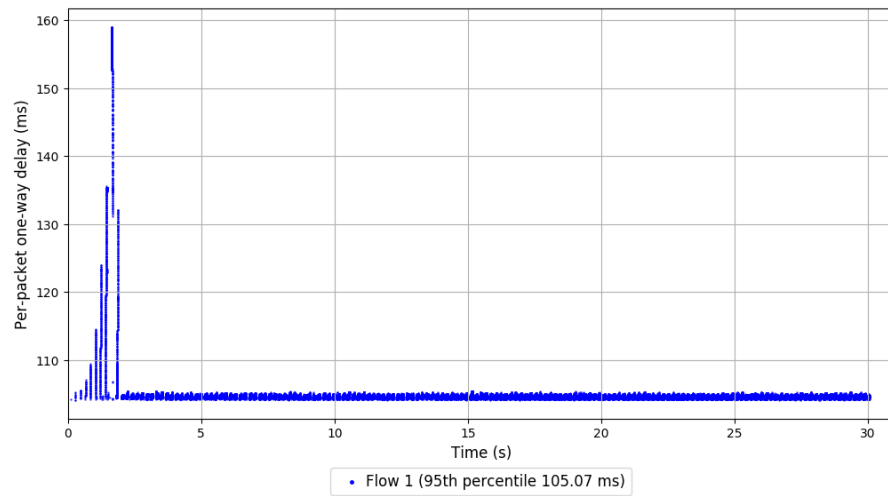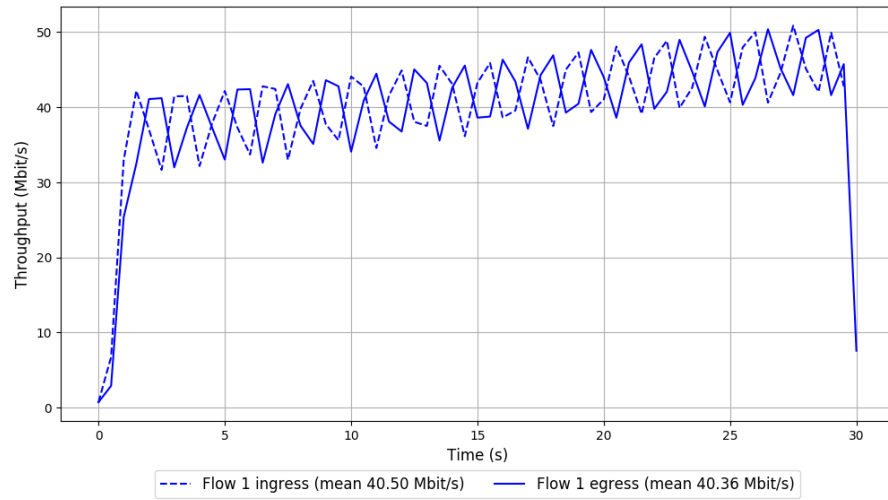```

# Run 1: Report of TCP Vegas — Data Link



Flow 1 ingress (mean 22.92 Mbit/s)    Flow 1 egress (mean 22.71 Mbit/s)
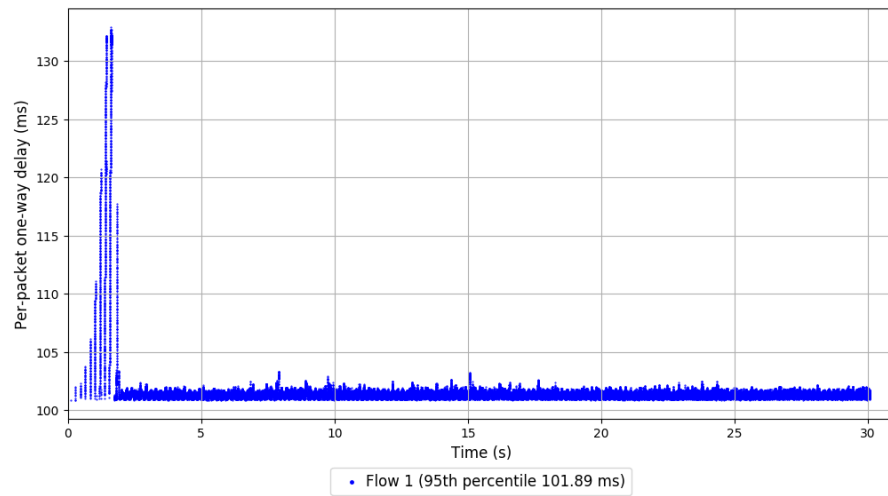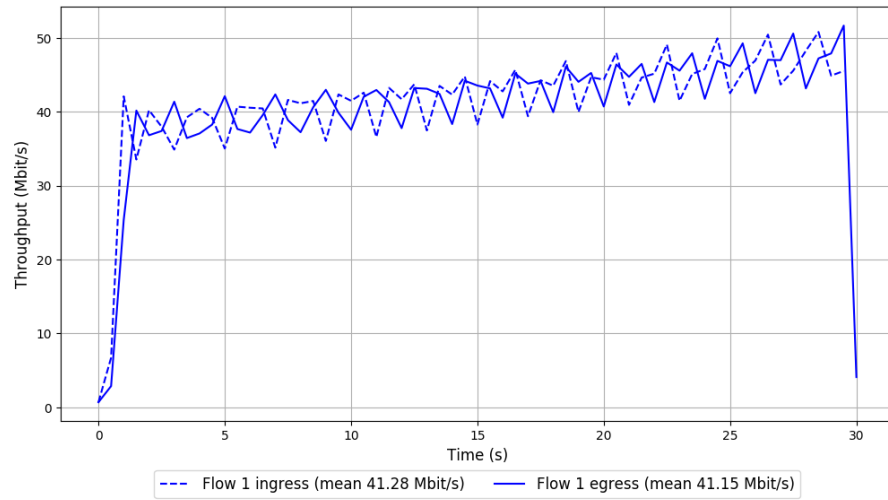


Flow 1 (95th percentile 100.69 ms)

```
Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 00:25:22
End at: 2018-01-26 00:25:53
Local clock offset: 0.287 ms
Remote clock offset: -6.104 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 99.888 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 99.888 ms
Loss rate: 0.92%
```

Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 00:45:00
End at: 2018-01-26 00:45:30
Local clock offset: 0.25 ms
Remote clock offset: -0.858 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 105.071 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 105.071 ms
Loss rate: 0.33%
```
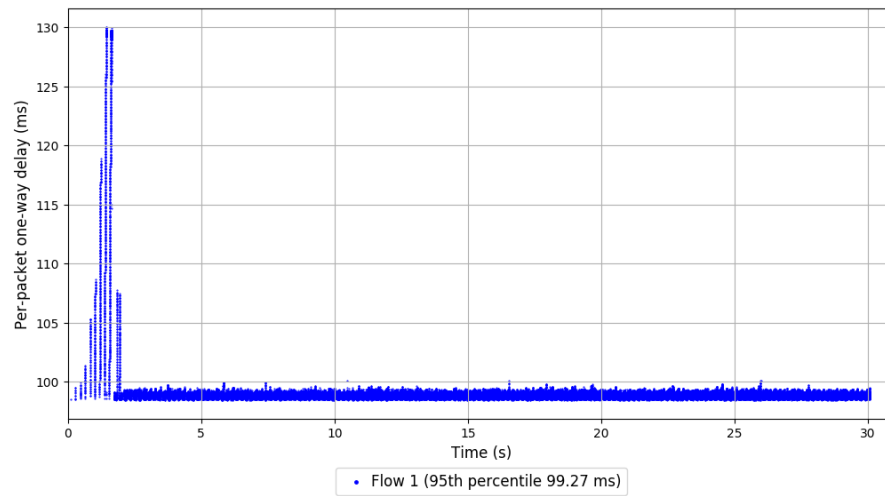
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 40.50 Mbit/s) ----- Flow 1 egress (mean 40.36 Mbit/s)

Flow 1 (95th percentile 105.07 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 01:04:40
End at: 2018-01-26 01:05:10
Local clock offset: 0.187 ms
Remote clock offset: -0.905 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 101.895 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 101.895 ms
Loss rate: 0.30%
```
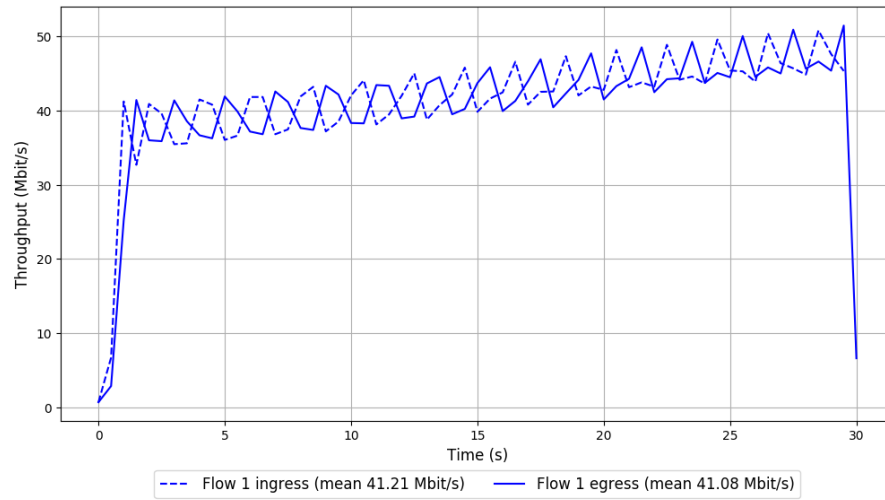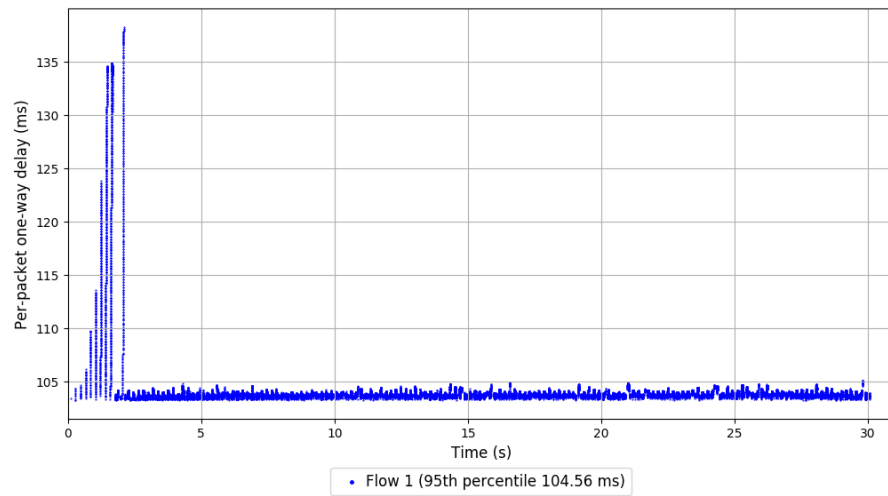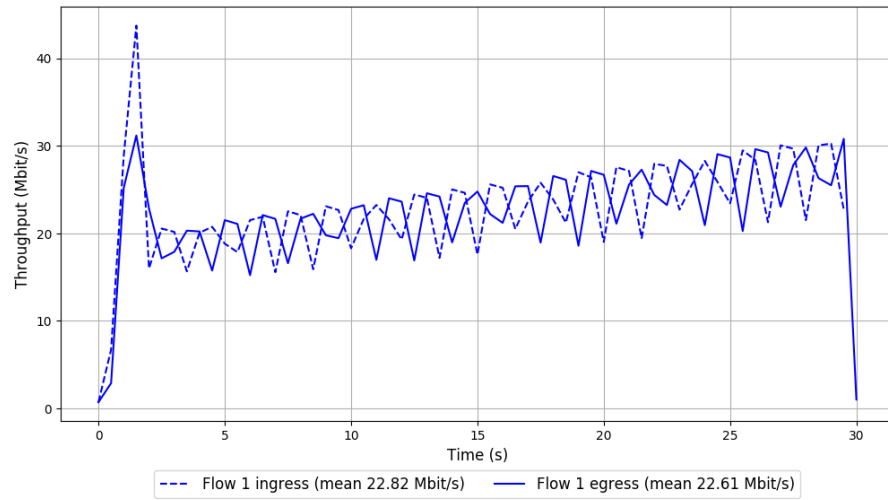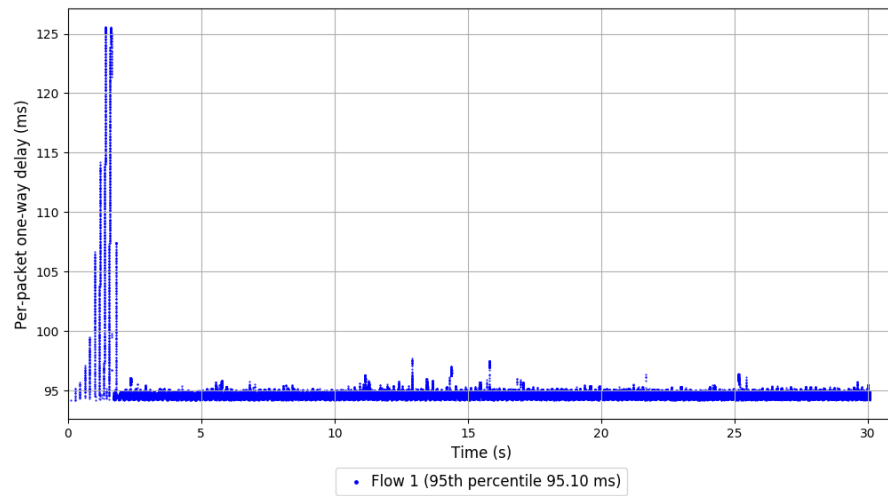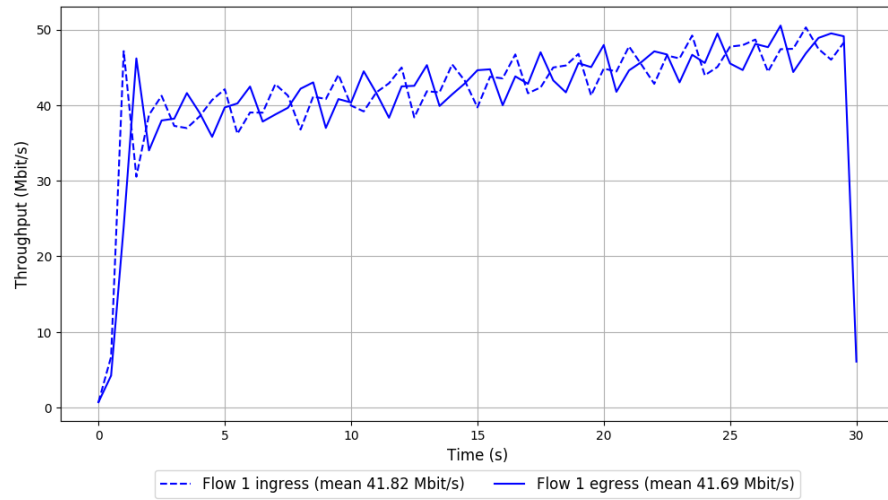
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 01:24:22
End at: 2018-01-26 01:24:52
Local clock offset: 0.189 ms
Remote clock offset: -1.85 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 99.267 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 99.267 ms
Loss rate: 0.31%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.21 Mbit/s) ——— Flow 1 egress (mean 41.08 Mbit/s)

Flow 1 (95th percentile 99.27 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 01:44:06
End at: 2018-01-26 01:44:36
Local clock offset: -0.066 ms
Remote clock offset: -1.588 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.61 Mbit/s
95th percentile per-packet one-way delay: 104.562 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 22.61 Mbit/s
95th percentile per-packet one-way delay: 104.562 ms
Loss rate: 0.96%
```
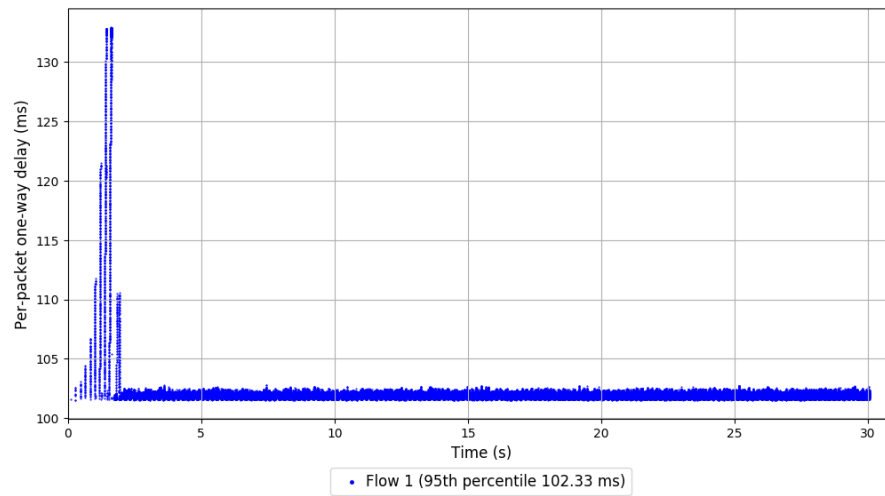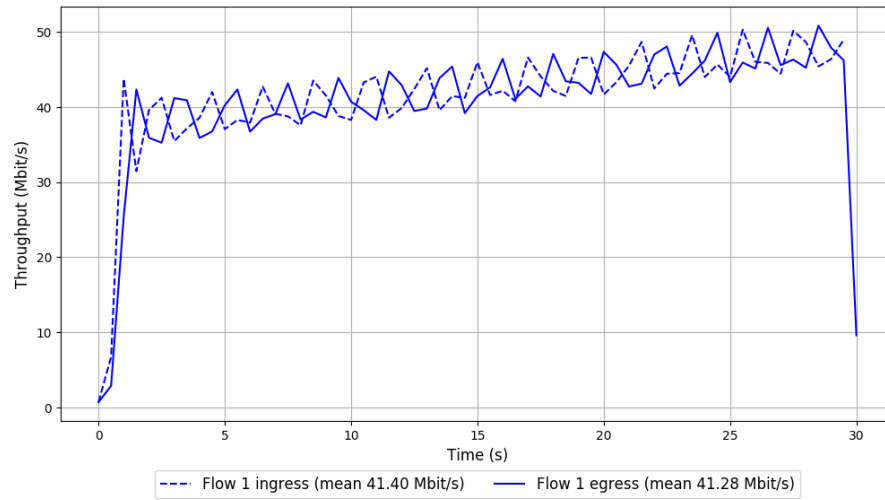
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 22.82 Mbit/s)   Flow 1 egress (mean 22.61 Mbit/s)
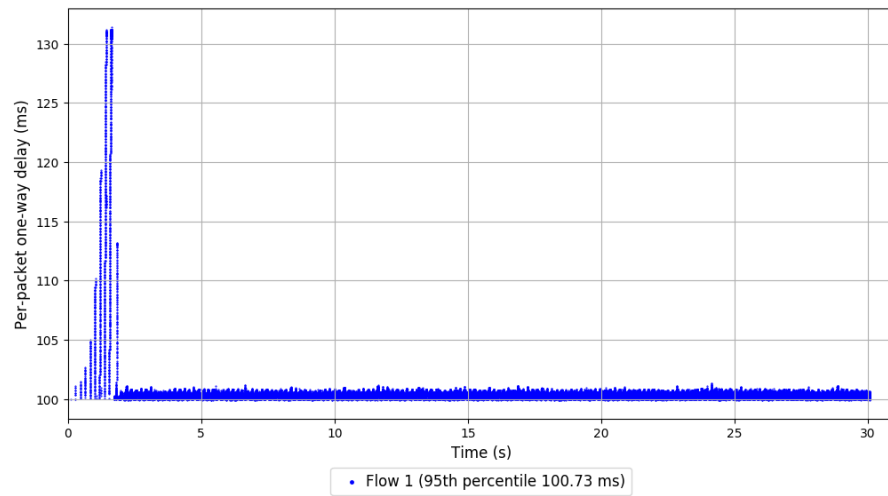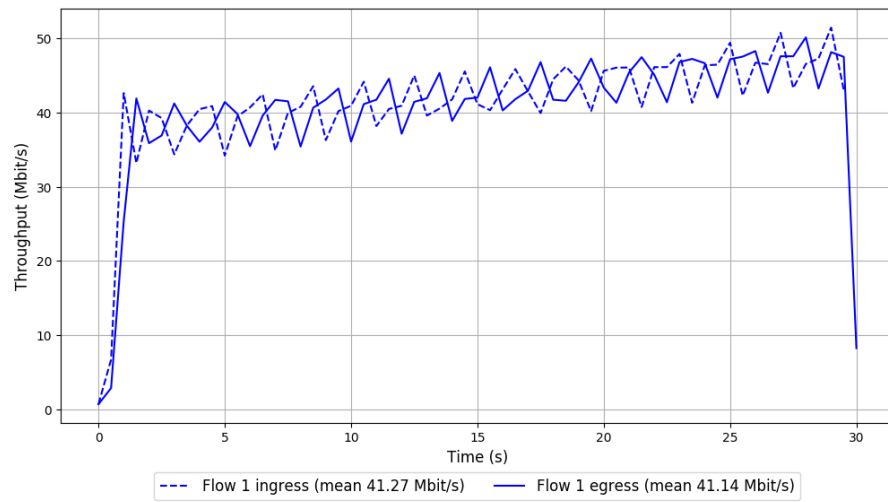

Flow 1 (95th percentile 104.56 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 02:03:46
End at: 2018-01-26 02:04:16
Local clock offset: -0.131 ms
Remote clock offset: -7.785 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 95.101 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 95.101 ms
Loss rate: 0.30%
```

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.82 Mbit/s) --- Flow 1 egress (mean 41.69 Mbit/s)

Flow 1 (95th percentile 95.10 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 02:23:20
End at: 2018-01-26 02:23:50
Local clock offset: -0.282 ms
Remote clock offset: -1.983 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.28 Mbit/s
95th percentile per-packet one-way delay: 102.329 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 41.28 Mbit/s
95th percentile per-packet one-way delay: 102.329 ms
Loss rate: 0.30%
```
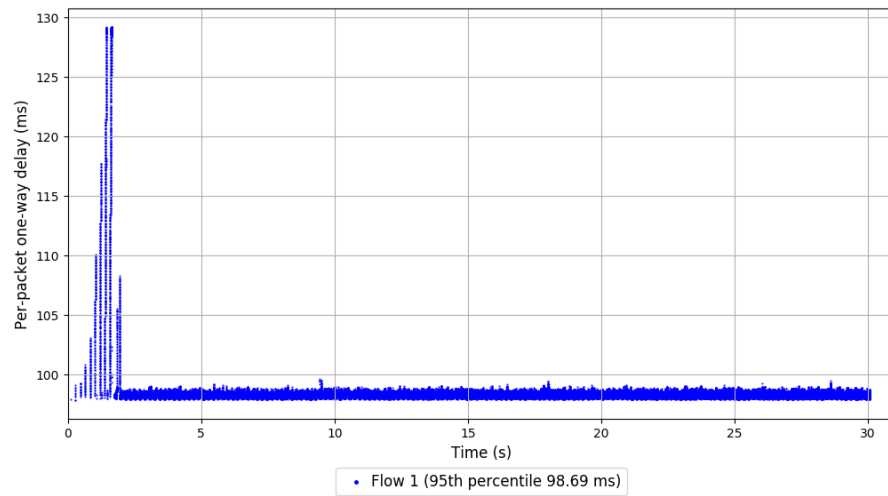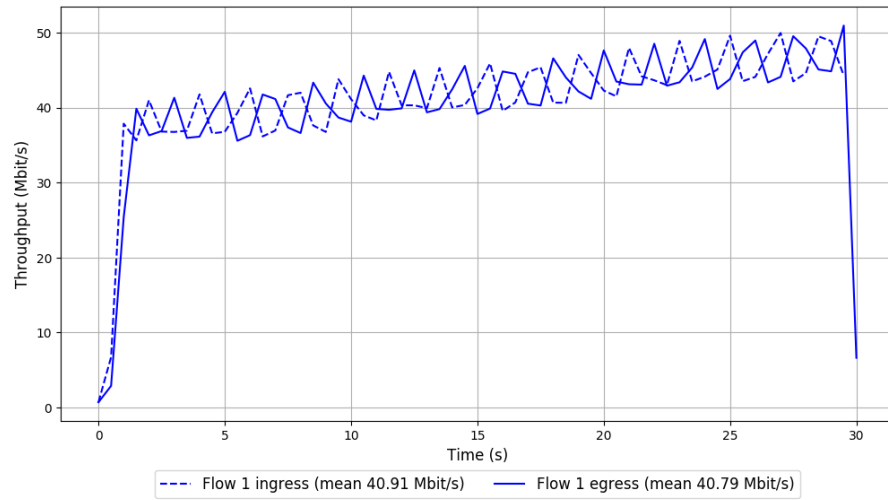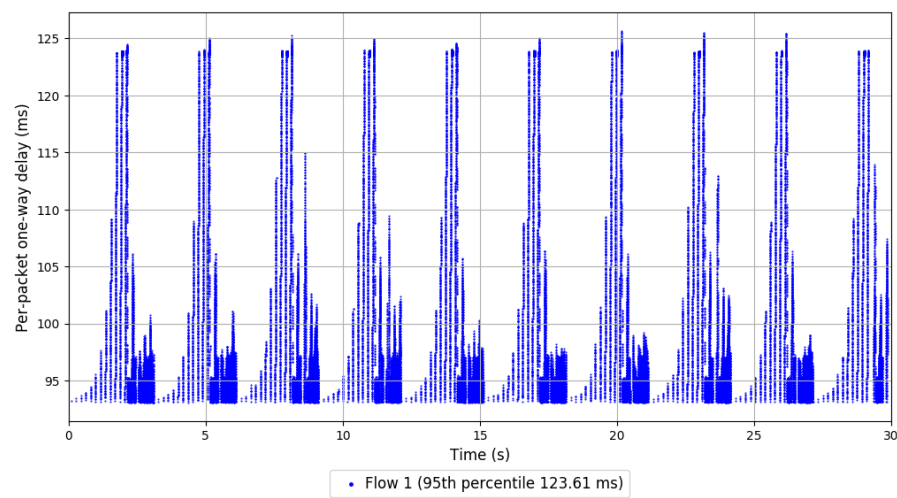
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.40 Mbit/s) — Flow 1 egress (mean 41.28 Mbit/s)

Flow 1 (95th percentile 102.33 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 02:42:56
End at: 2018-01-26 02:43:26
Local clock offset: -0.305 ms
Remote clock offset: -1.793 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 100.732 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 100.732 ms
Loss rate: 0.30%
```
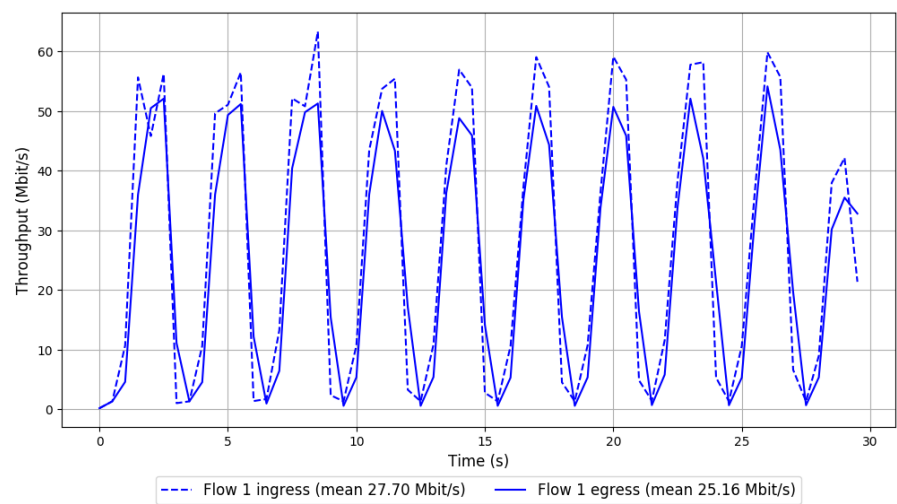
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 41.27 Mbit/s)   Flow 1 egress (mean 41.14 Mbit/s)
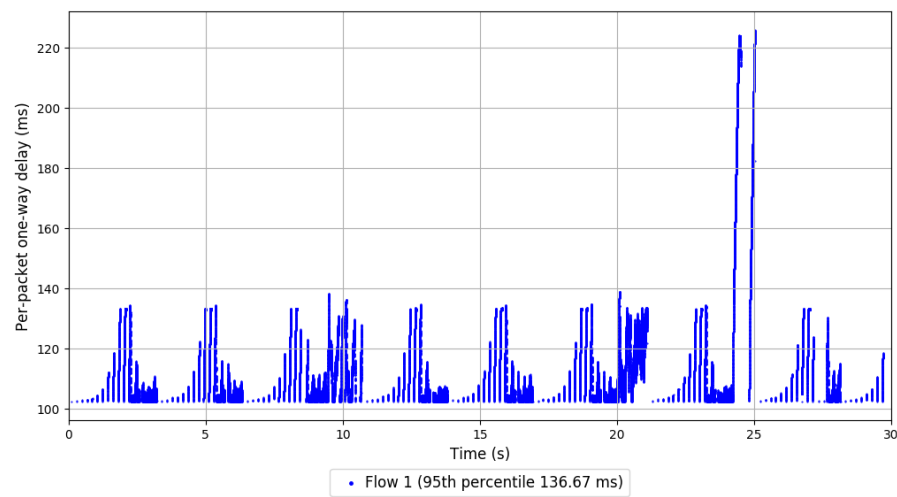

Flow 1 (95th percentile 100.73 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 03:02:33
End at: 2018-01-26 03:03:03
Local clock offset: -0.474 ms
Remote clock offset: -6.585 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 98.689 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 98.689 ms
Loss rate: 0.32%
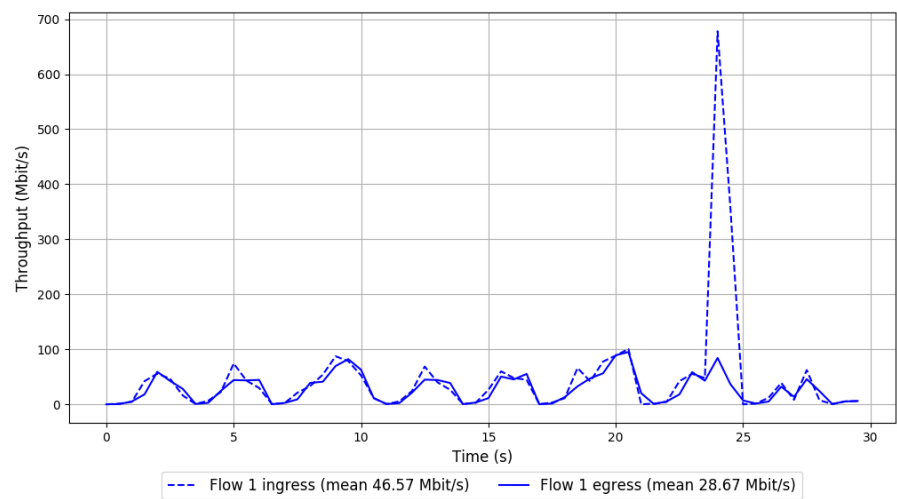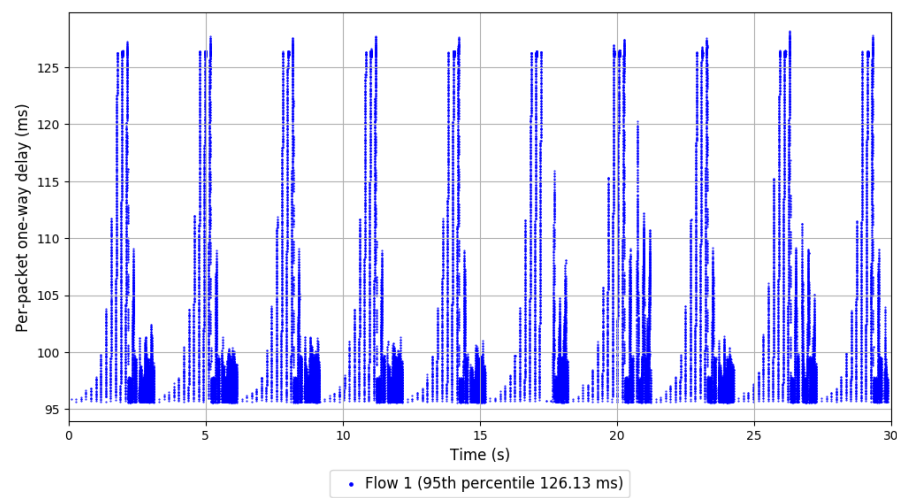```

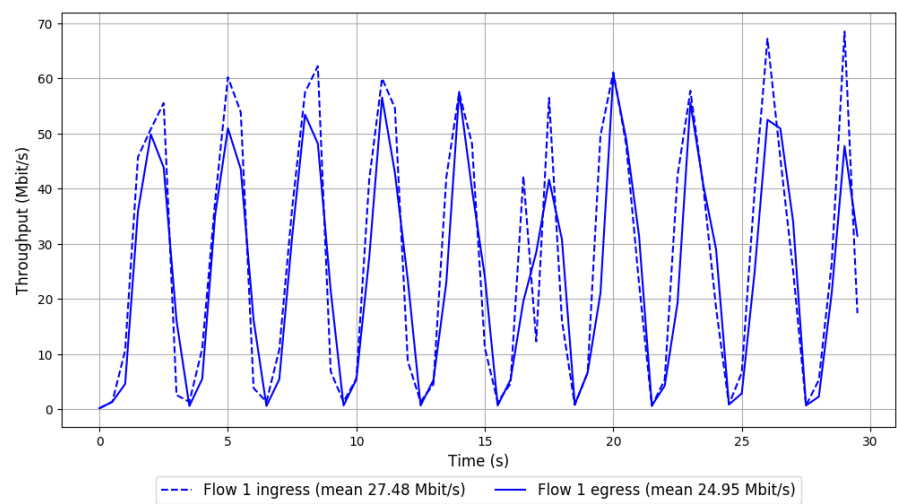Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2018-01-26 00:06:56
End at: 2018-01-26 00:07:26
Local clock offset: 0.315 ms
Remote clock offset: -6.707 ms

Below is generated by plot.py at 2018-01-26 10:11:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 123.606 ms
Loss rate: 9.15%
-- Flow 1:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 123.606 ms
Loss rate: 9.15%
```
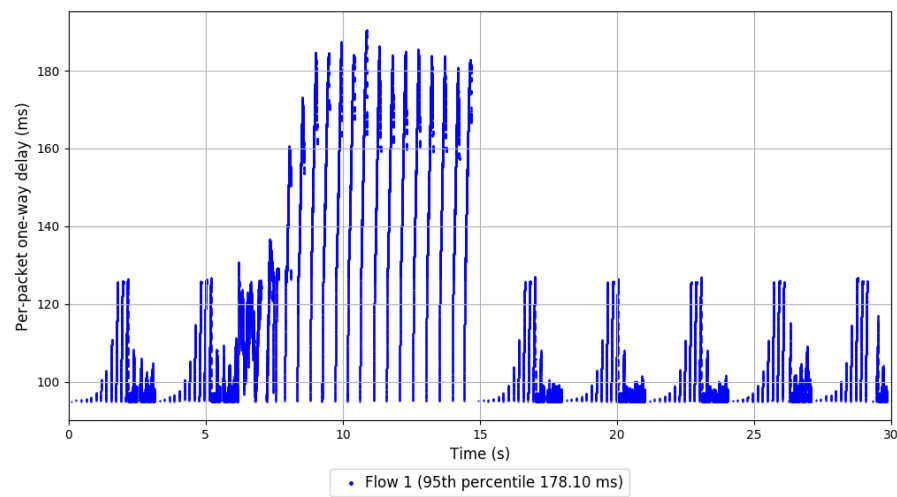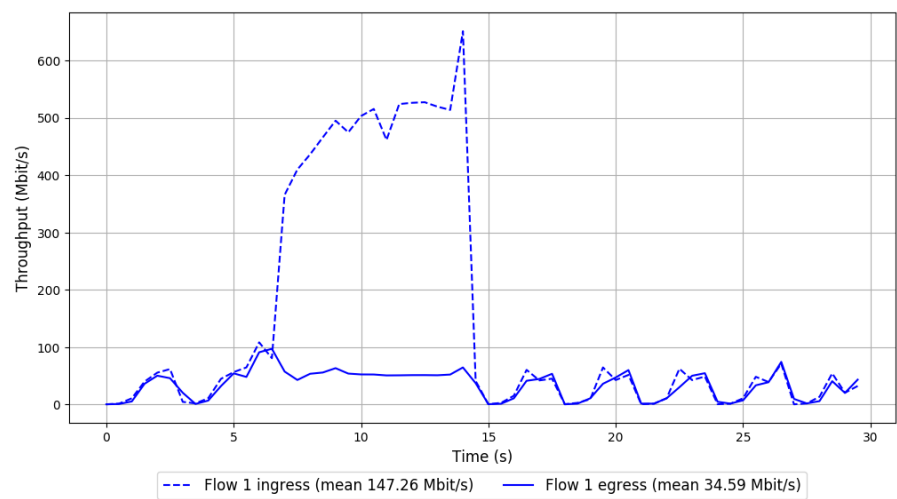
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-01-26 00:26:34
End at: 2018-01-26 00:27:04
Local clock offset: 0.283 ms
Remote clock offset: -6.017 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.67 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 38.42%
-- Flow 1:
Average throughput: 28.67 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 38.42%
```

Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-01-26 00:46:12
End at: 2018-01-26 00:46:42
Local clock offset: 0.164 ms
Remote clock offset: -6.617 ms


# Below is generated by plot.py at 2018-01-26 10:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 126.129 ms
Loss rate: 9.21%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 126.129 ms
Loss rate: 9.21%
```

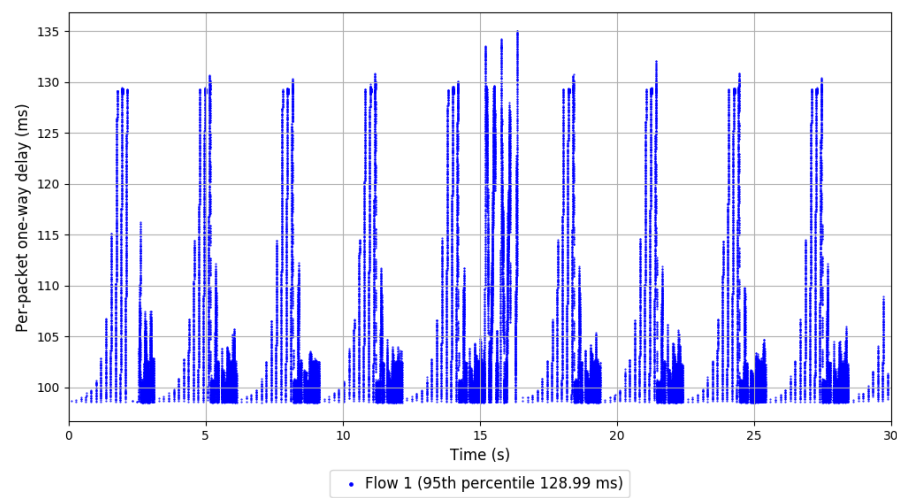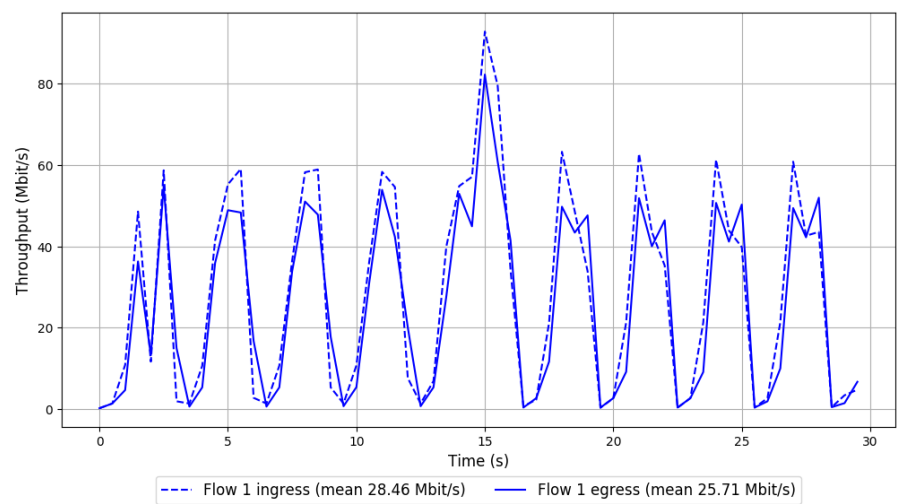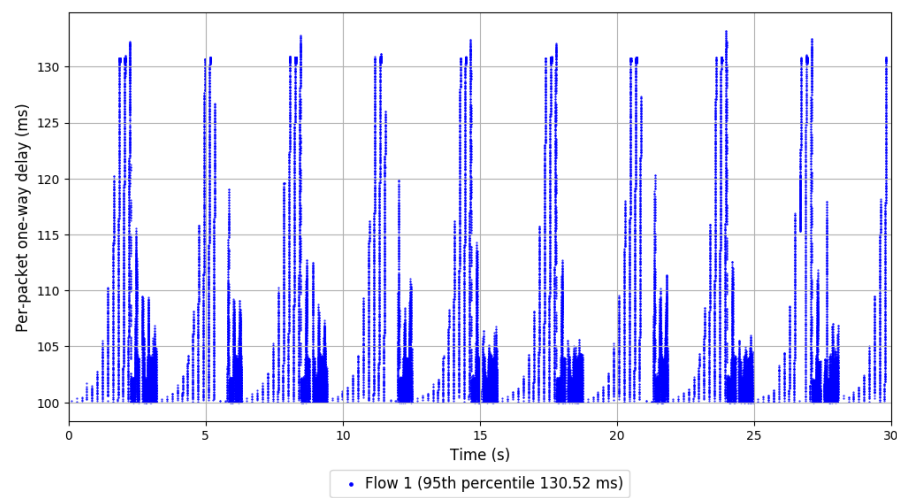Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-01-26 01:05:53
End at: 2018-01-26 01:06:23
Local clock offset: 0.223 ms
Remote clock offset: -6.722 ms


# Below is generated by plot.py at 2018-01-26 10:11:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 178.105 ms
Loss rate: 76.51%
-- Flow 1:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 178.105 ms
Loss rate: 76.51%
```
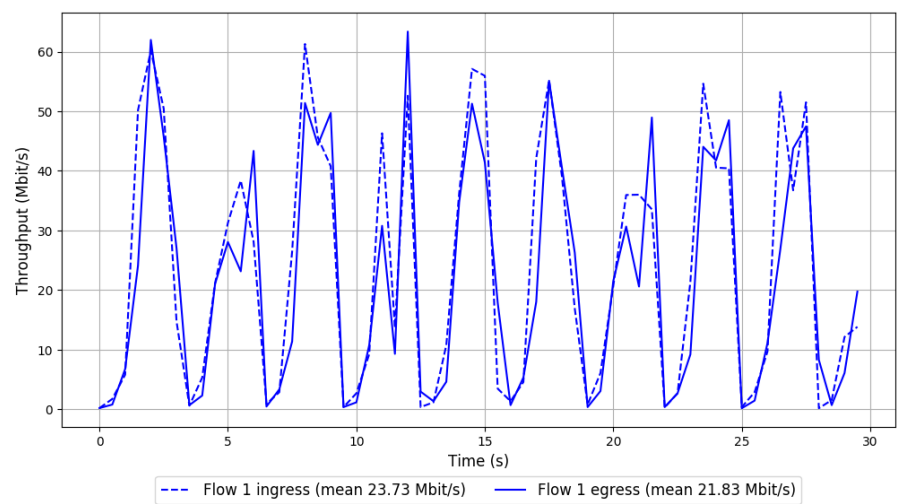
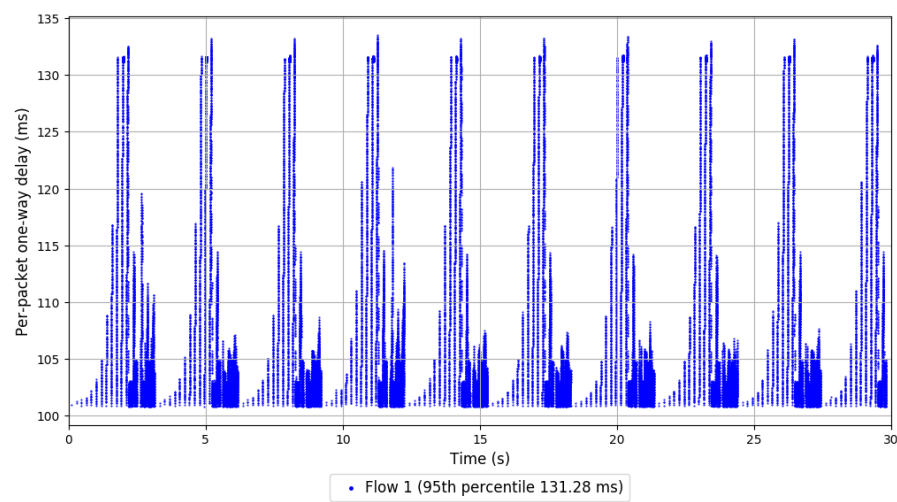## Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-01-26 01:25:35
End at: 2018-01-26 01:26:05
Local clock offset: 0.175 ms
Remote clock offset: -0.918 ms


# Below is generated by plot.py at 2018-01-26 10:11:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 128.994 ms
Loss rate: 9.65%
-- Flow 1:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 128.994 ms
Loss rate: 9.65%
```

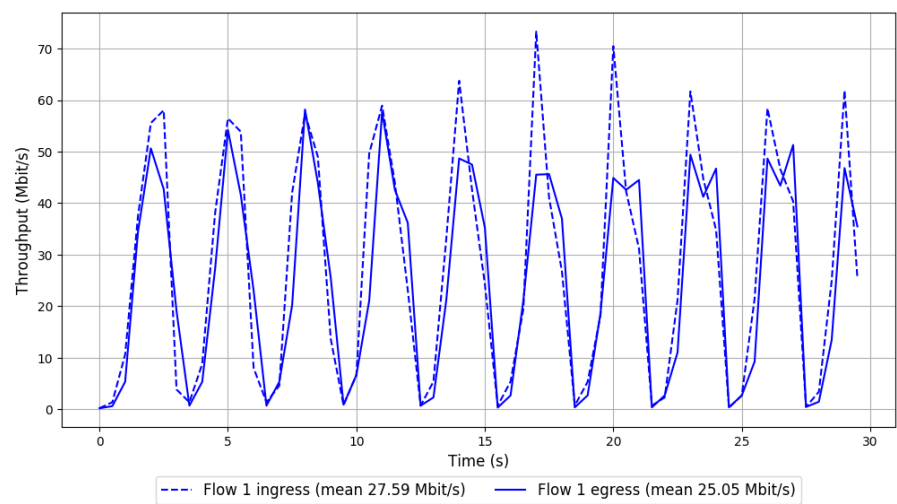Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 28.46 Mbit/s) ----- Flow 1 egress (mean 25.71 Mbit/s)

• Flow 1 (95th percentile 128.99 ms)

```
Run 6: Statistics of Verus

Start at: 2018-01-26 01:45:18
End at: 2018-01-26 01:45:48
Local clock offset: -0.065 ms
Remote clock offset: -7.331 ms


# Below is generated by plot.py at 2018-01-26 10:11:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 130.522 ms
Loss rate: 7.90%
-- Flow 1:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 130.522 ms
Loss rate: 7.90%
```
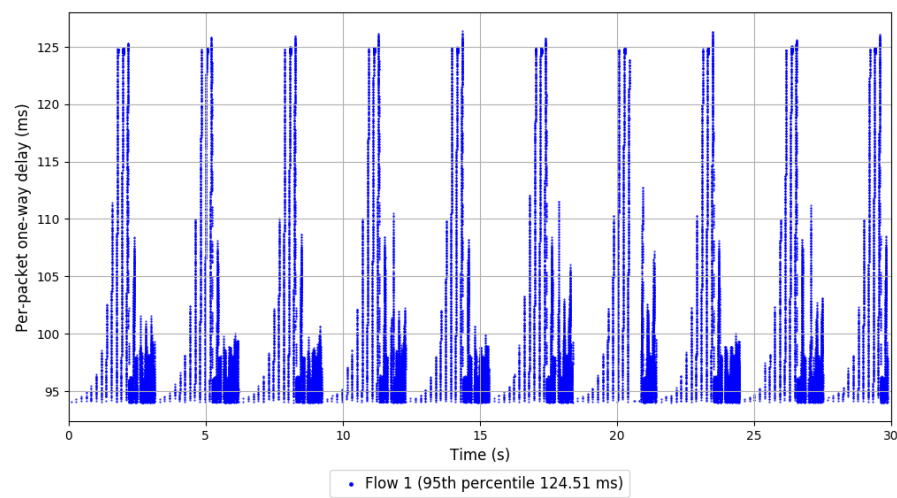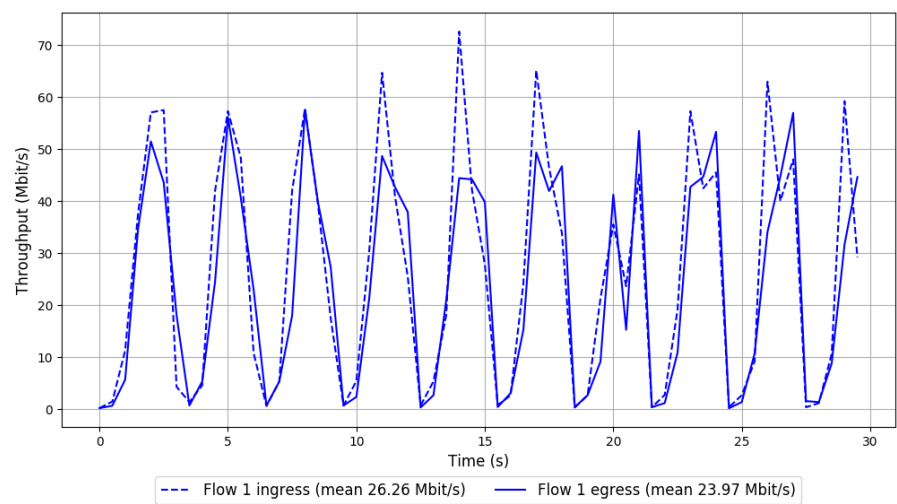
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-01-26 02:04:59
End at: 2018-01-26 02:05:29
Local clock offset: -0.146 ms
Remote clock offset: -2.888 ms


# Below is generated by plot.py at 2018-01-26 10:11:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 131.283 ms
Loss rate: 9.19%
-- Flow 1:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 131.283 ms
Loss rate: 9.19%
```
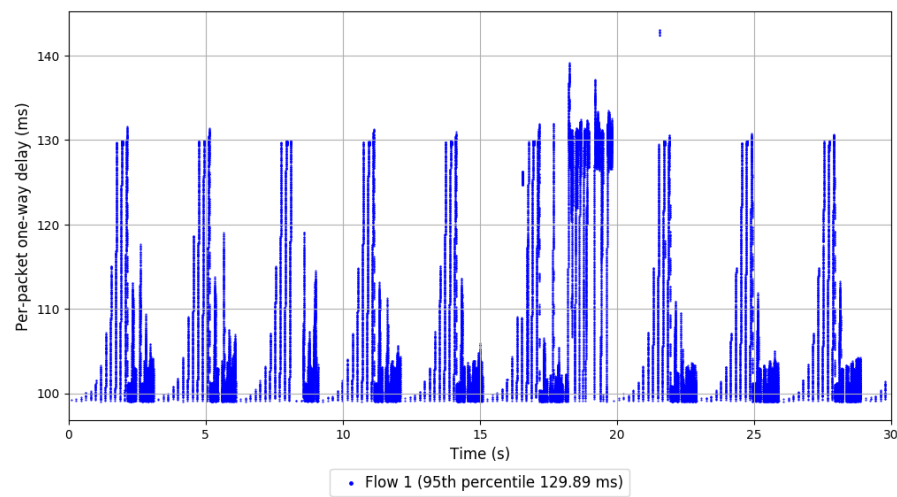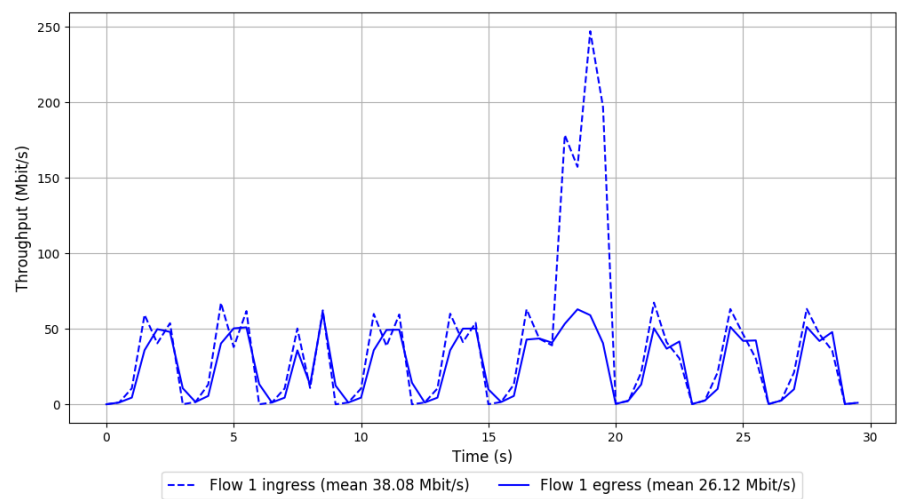
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-01-26 02:24:32
End at: 2018-01-26 02:25:02
Local clock offset: -0.269 ms
Remote clock offset: -7.775 ms


# Below is generated by plot.py at 2018-01-26 10:11:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 124.512 ms
Loss rate: 8.73%
-- Flow 1:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 124.512 ms
Loss rate: 8.73%
```
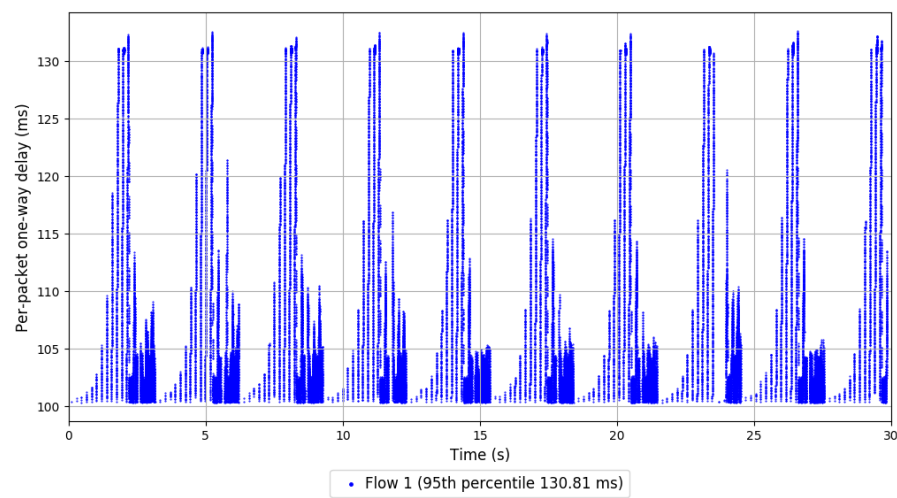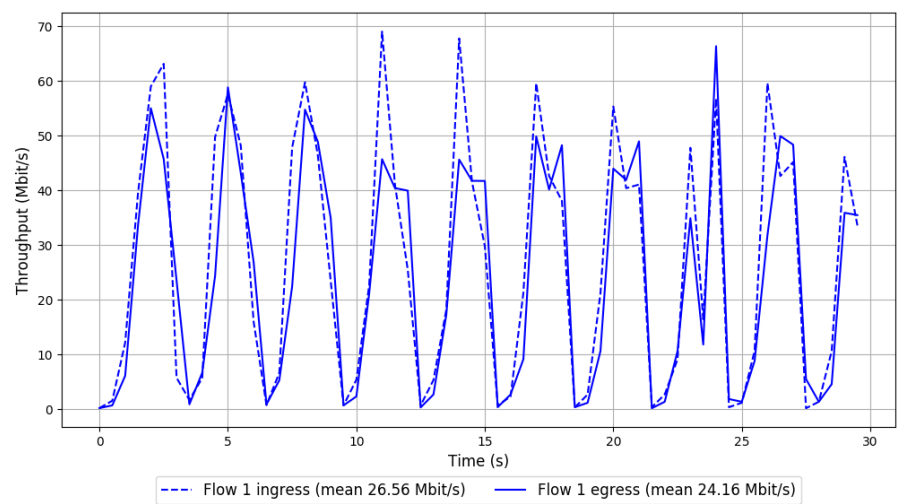
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2018-01-26 02:44:09
End at: 2018-01-26 02:44:39
Local clock offset: -0.27 ms
Remote clock offset: -0.881 ms


# Below is generated by plot.py at 2018-01-26 10:11:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.12 Mbit/s
95th percentile per-packet one-way delay: 129.893 ms
Loss rate: 31.41%
-- Flow 1:
Average throughput: 26.12 Mbit/s
95th percentile per-packet one-way delay: 129.893 ms
Loss rate: 31.41%
```
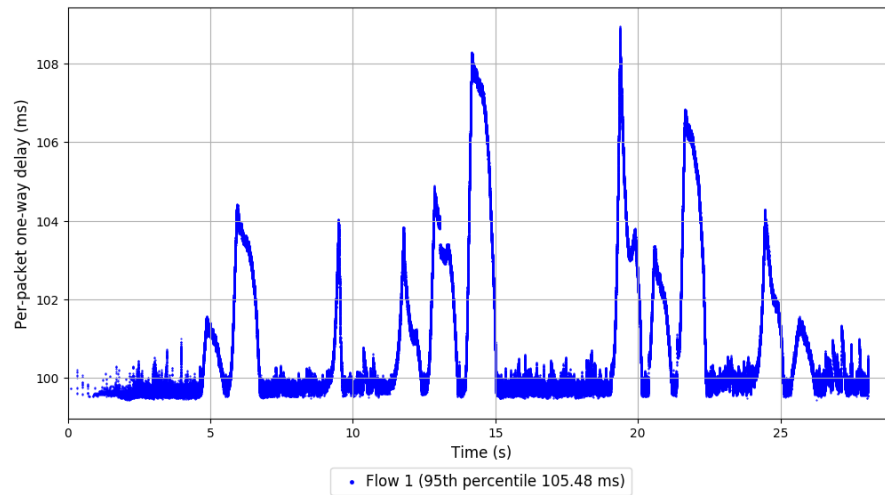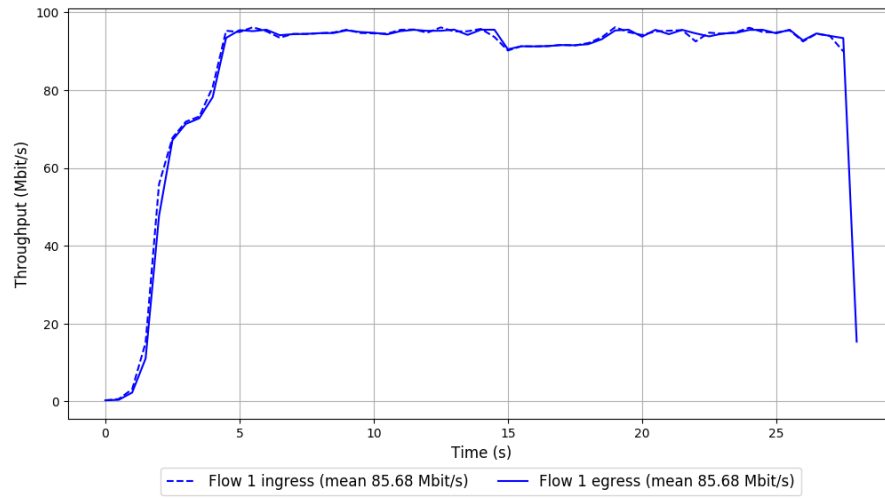
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 38.08 Mbit/s) — Flow 1 egress (mean 26.12 Mbit/s)

• Flow 1 (95th percentile 129.89 ms)

```
Run 10: Statistics of Verus

Start at: 2018-01-26 03:03:46
End at: 2018-01-26 03:04:16
Local clock offset: -0.545 ms
Remote clock offset: -1.666 ms


# Below is generated by plot.py at 2018-01-26 10:11:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 130.814 ms
Loss rate: 9.03%
-- Flow 1:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 130.814 ms
Loss rate: 9.03%
```
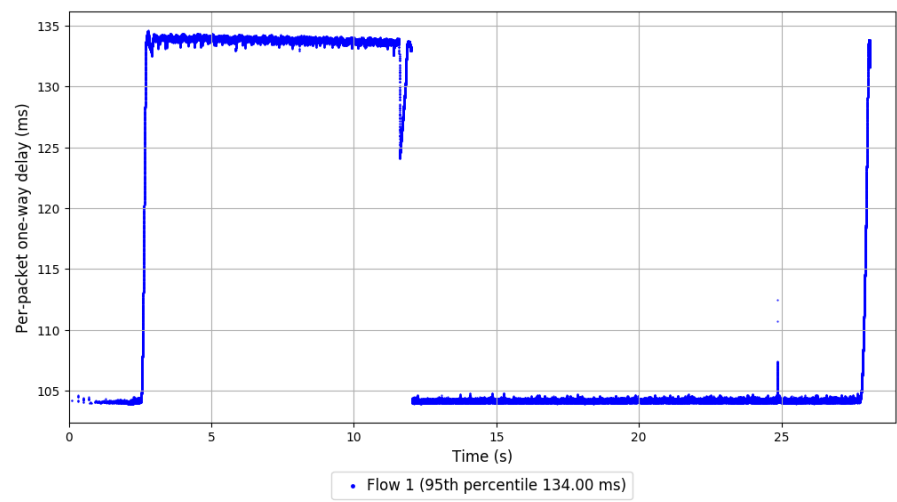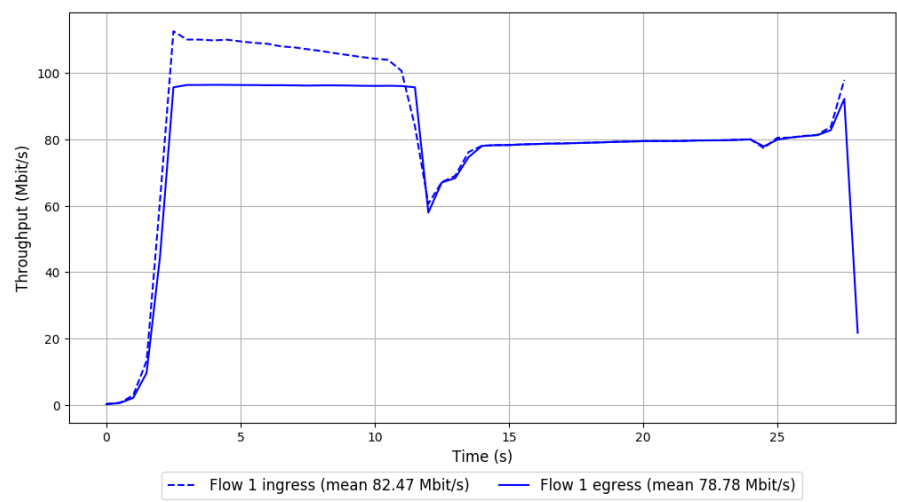
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2018-01-26 00:03:07
End at: 2018-01-26 00:03:38
Local clock offset: 0.239 ms
Remote clock offset: -1.848 ms


# Below is generated by plot.py at 2018-01-26 10:13:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.68 Mbit/s
95th percentile per-packet one-way delay: 105.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.68 Mbit/s
95th percentile per-packet one-way delay: 105.483 ms
Loss rate: 0.00%
```
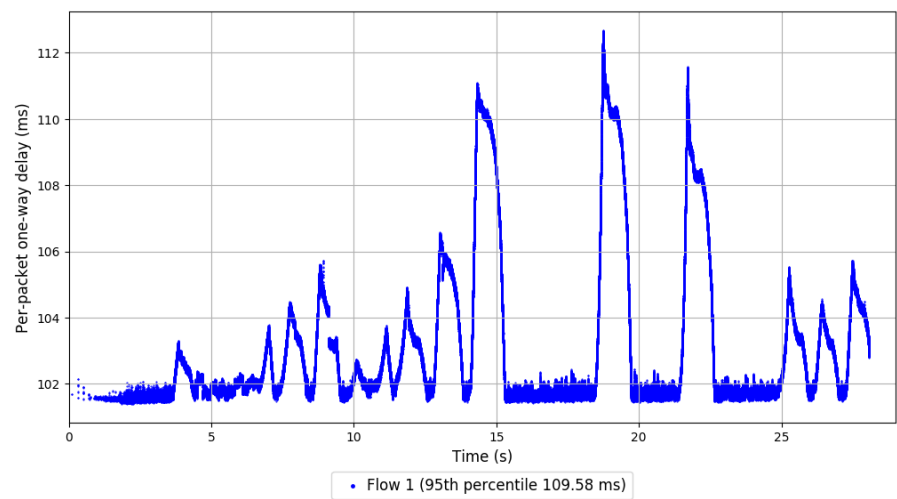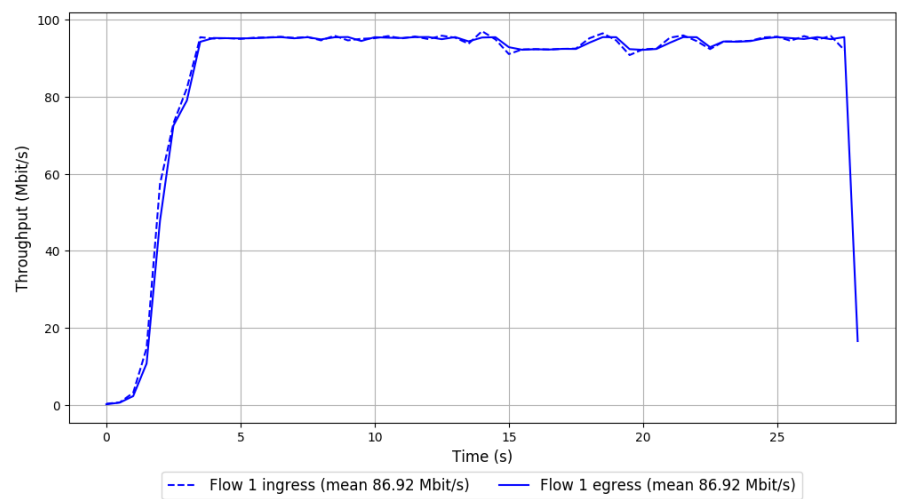
Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2018-01-26 00:22:49
End at: 2018-01-26 00:23:19
Local clock offset: 0.244 ms
Remote clock offset: -1.167 ms


# Below is generated by plot.py at 2018-01-26 10:13:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 133.998 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 133.998 ms
Loss rate: 4.40%
```
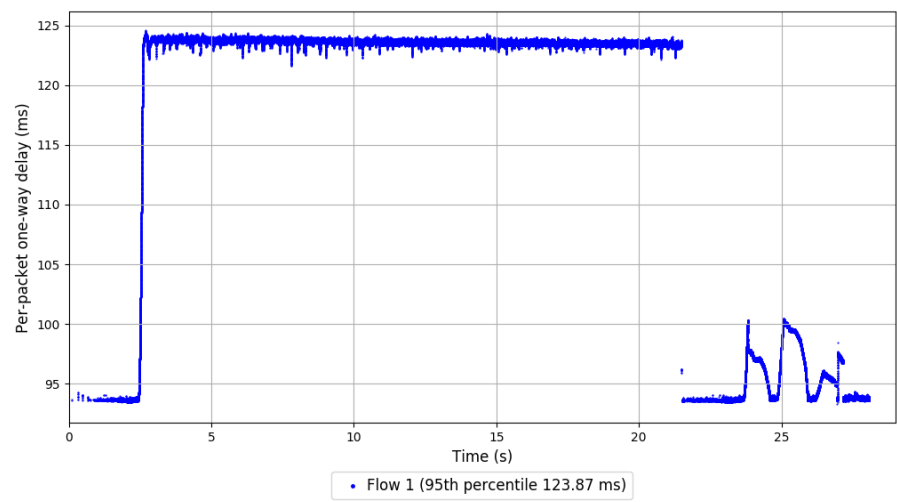
Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-01-26 00:42:21
End at: 2018-01-26 00:42:51
Local clock offset: 0.248 ms
Remote clock offset: -0.502 ms


# Below is generated by plot.py at 2018-01-26 10:13:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 109.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 109.582 ms
Loss rate: 0.00%
```

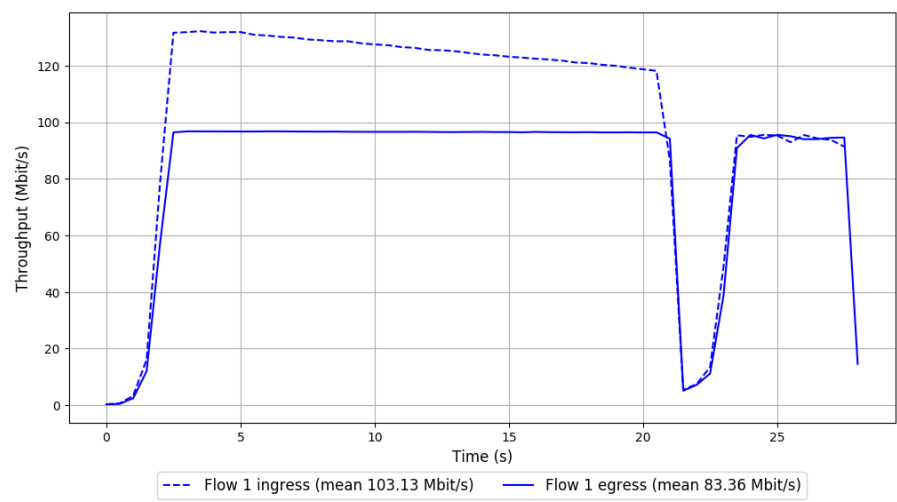Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2018-01-26 01:02:06
End at: 2018-01-26 01:02:36
Local clock offset: 0.203 ms
Remote clock offset: -6.647 ms


# Below is generated by plot.py at 2018-01-26 10:13:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 123.867 ms
Loss rate: 19.17%
-- Flow 1:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 123.867 ms
Loss rate: 19.17%
```

Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 103.13 Mbit/s)   Flow 1 egress (mean 83.36 Mbit/s)

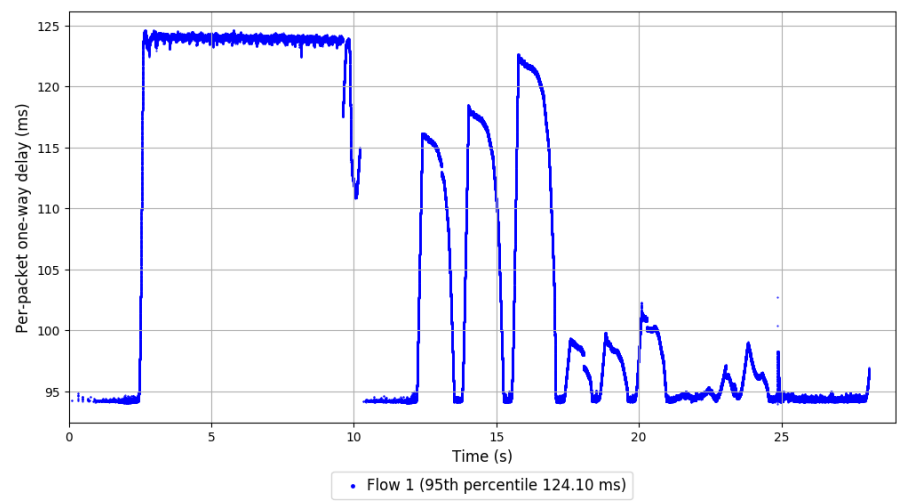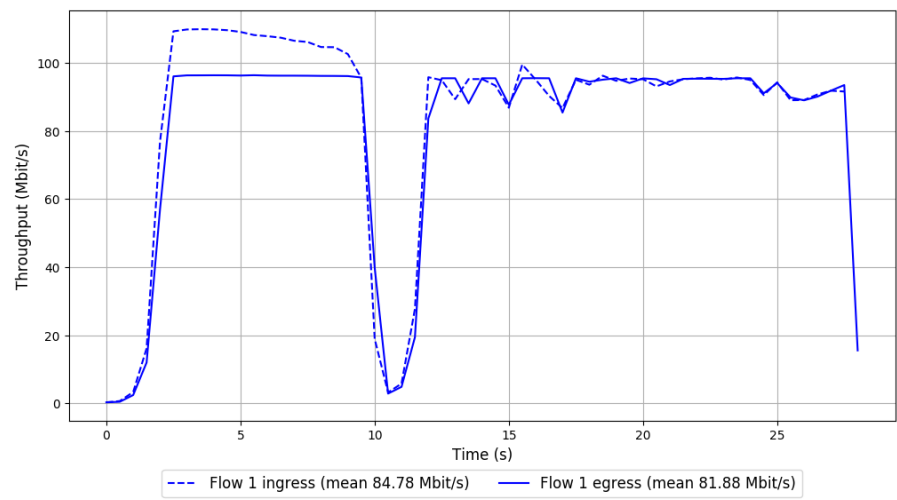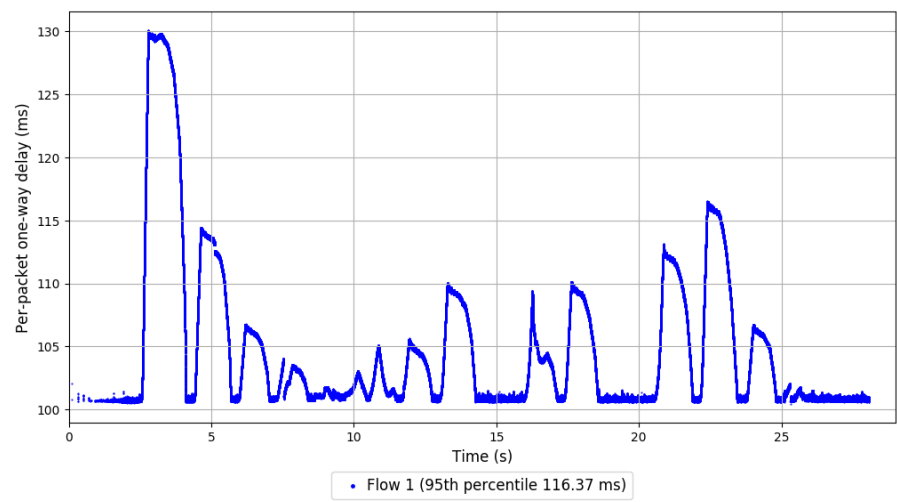Flow 1 (95th percentile 123.87 ms)

```
Run 5: Statistics of Copa

Start at: 2018-01-26 01:21:48
End at: 2018-01-26 01:22:18
Local clock offset: 0.191 ms
Remote clock offset: -7.617 ms


# Below is generated by plot.py at 2018-01-26 10:13:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.88 Mbit/s
95th percentile per-packet one-way delay: 124.101 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 81.88 Mbit/s
95th percentile per-packet one-way delay: 124.101 ms
Loss rate: 3.41%
```

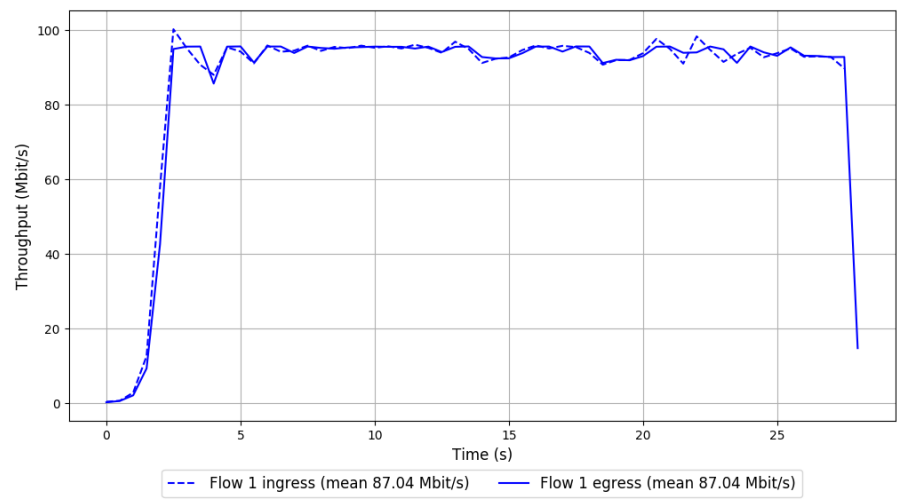Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-01-26 01:41:32
End at: 2018-01-26 01:42:02
Local clock offset: -0.011 ms
Remote clock offset: -6.677 ms


# Below is generated by plot.py at 2018-01-26 10:13:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: 116.371 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: 116.371 ms
Loss rate: 0.02%
```
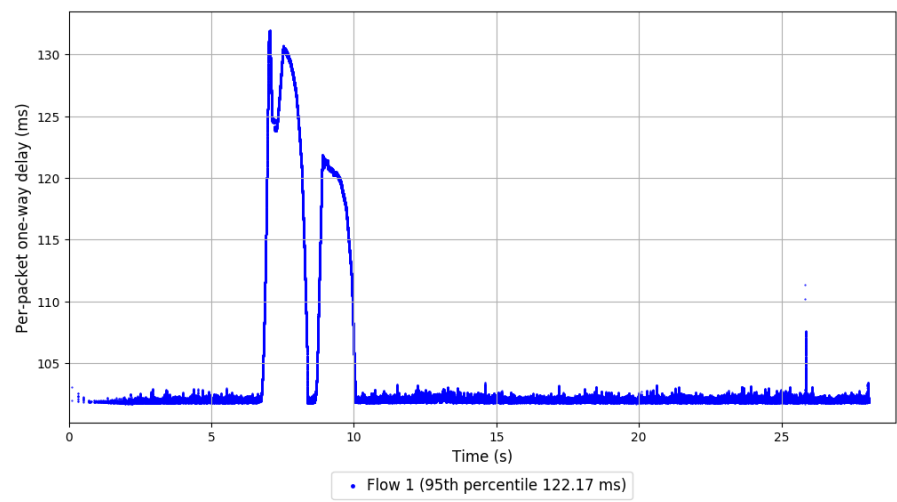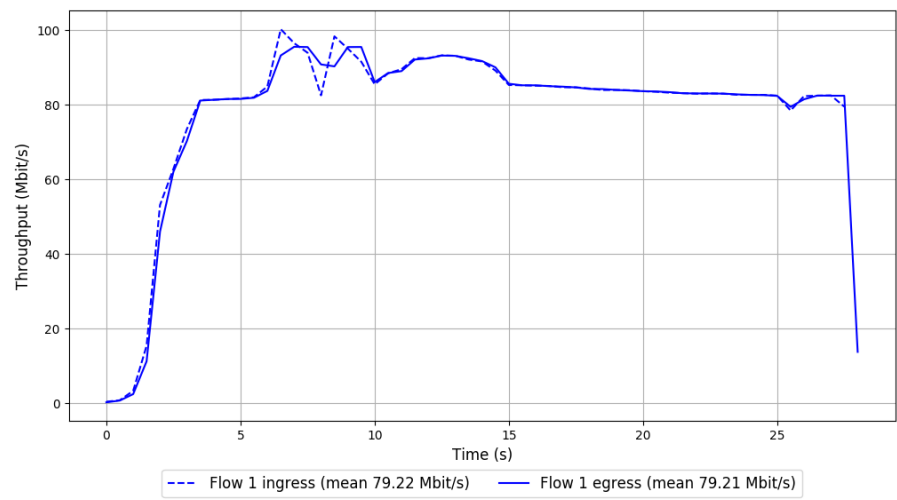
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 87.04 Mbit/s) --- Flow 1 egress (mean 87.04 Mbit/s)
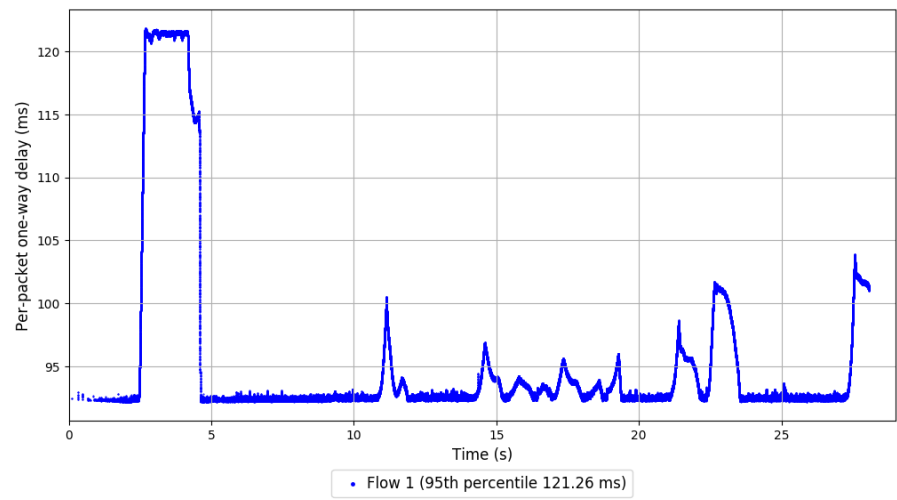

Flow 1 (95th percentile 116.37 ms)

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```
Run 7: Statistics of Copa

Start at: 2018-01-26 02:01:11
End at: 2018-01-26 02:01:41
Local clock offset: -0.162 ms
Remote clock offset: -2.0 ms


# Below is generated by plot.py at 2018-01-26 10:13:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.21 Mbit/s
95th percentile per-packet one-way delay: 122.175 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 79.21 Mbit/s
95th percentile per-packet one-way delay: 122.175 ms
Loss rate: 0.03%
```

Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 79.22 Mbit/s) --- Flow 1 egress (mean 79.21 Mbit/s)

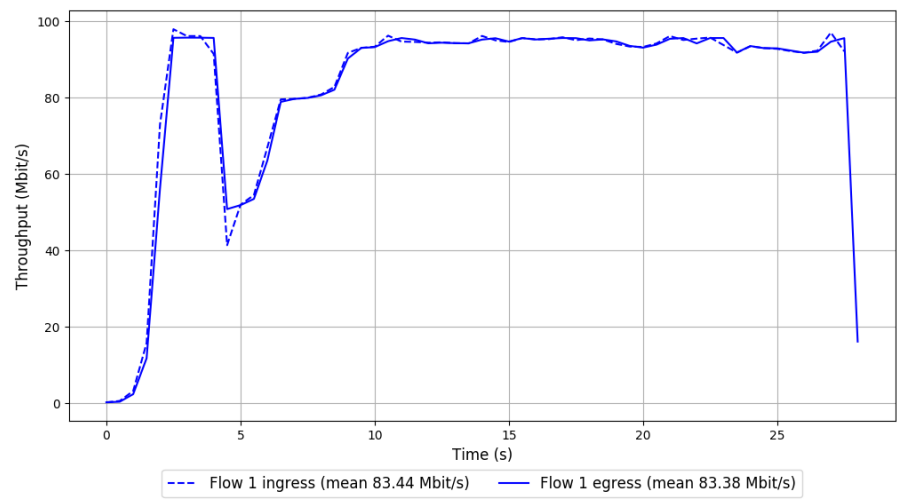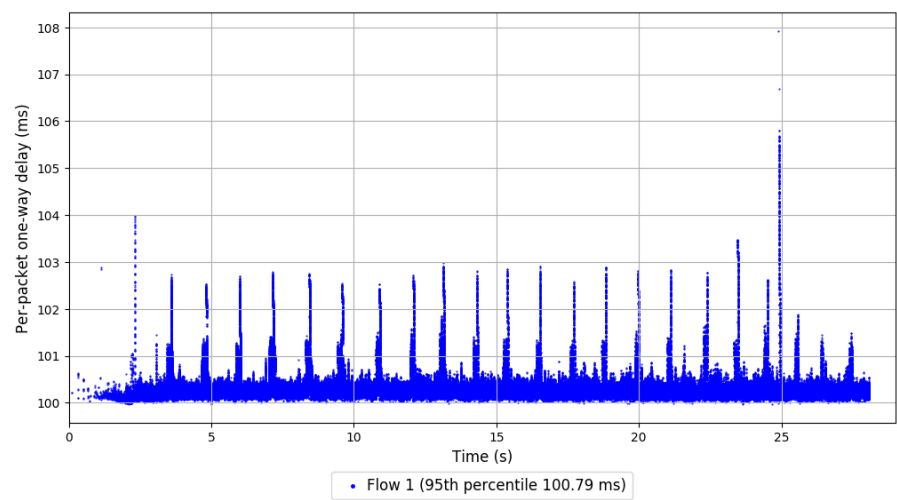Flow 1 (95th percentile 122.17 ms)

```
Run 8: Statistics of Copa

Start at: 2018-01-26 02:20:46
End at: 2018-01-26 02:21:16
Local clock offset: -0.204 ms
Remote clock offset: -6.809 ms


# Below is generated by plot.py at 2018-01-26 10:13:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 121.260 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 121.260 ms
Loss rate: 0.04%
```

Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 83.44 Mbit/s) Flow 1 egress (mean 83.38 Mbit/s)

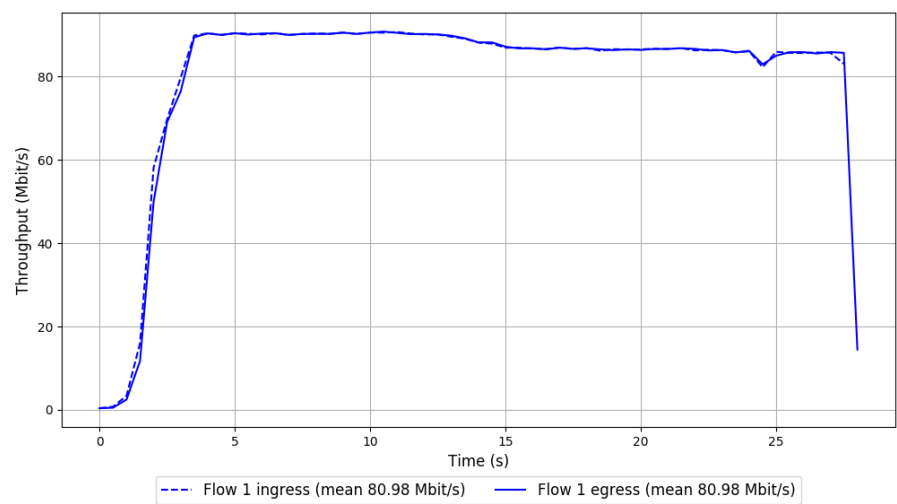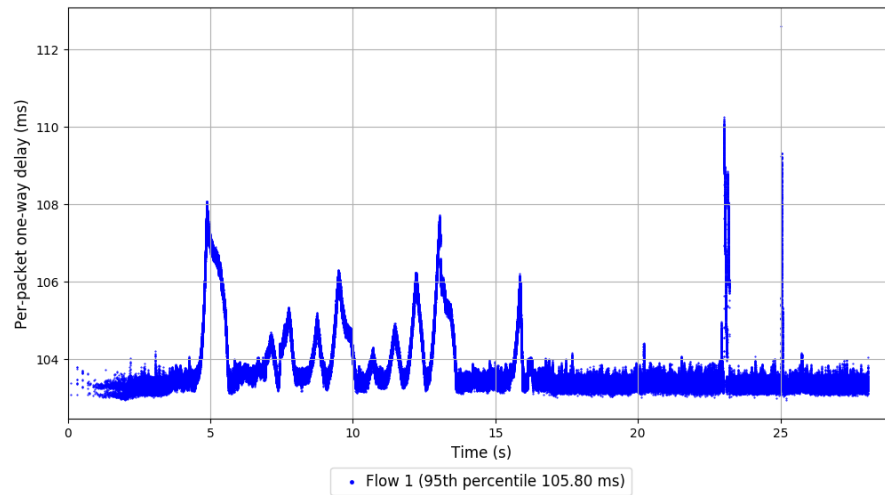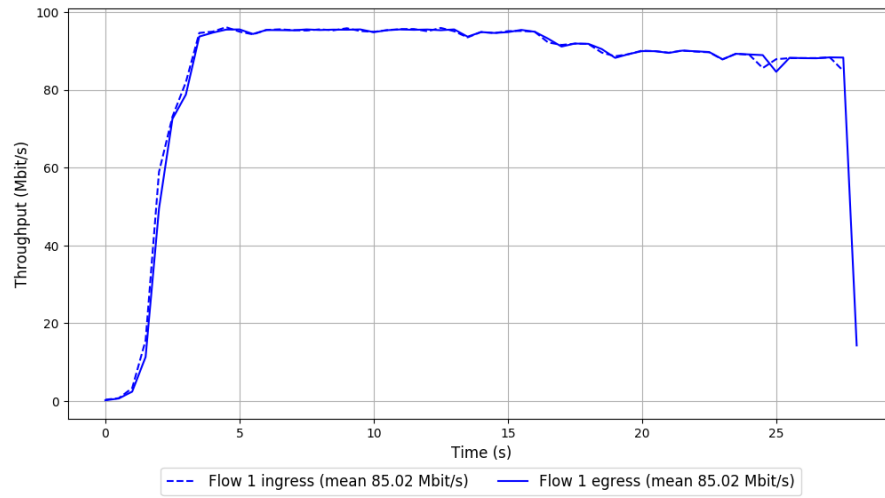Flow 1 (95th percentile 121.26 ms)

```
Run 9: Statistics of Copa

Start at: 2018-01-26 02:40:22
End at: 2018-01-26 02:40:52
Local clock offset: -0.308 ms
Remote clock offset: -1.907 ms


# Below is generated by plot.py at 2018-01-26 10:15:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 100.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 100.794 ms
Loss rate: 0.00%
```

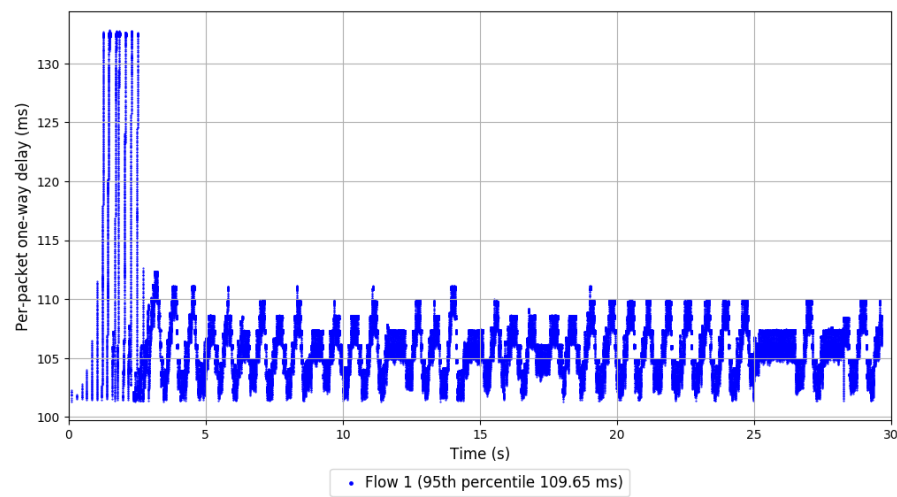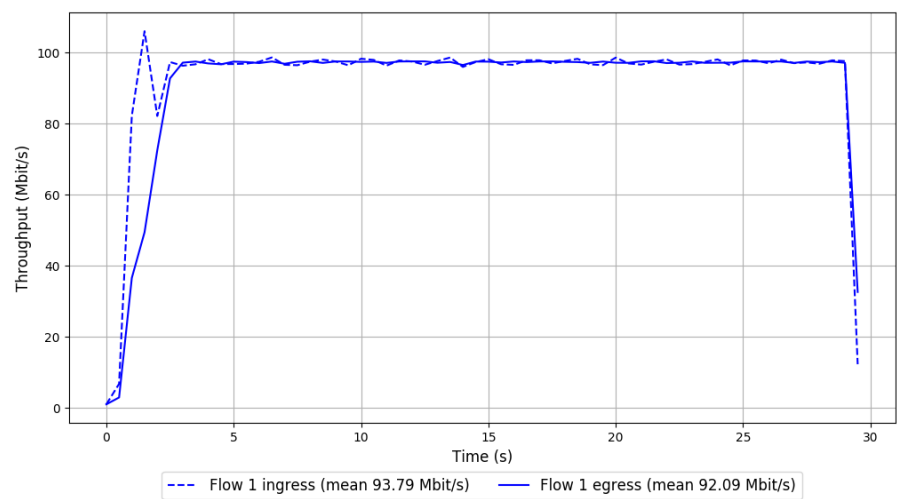Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 80.98 Mbit/s)   Flow 1 egress (mean 80.98 Mbit/s)

Flow 1 (95th percentile 100.79 ms)

```
Run 10: Statistics of Copa

Start at: 2018-01-26 02:59:59
End at: 2018-01-26 03:00:29
Local clock offset: -0.447 ms
Remote clock offset: -1.754 ms


# Below is generated by plot.py at 2018-01-26 10:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 105.797 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 105.797 ms
Loss rate: 0.01%
```
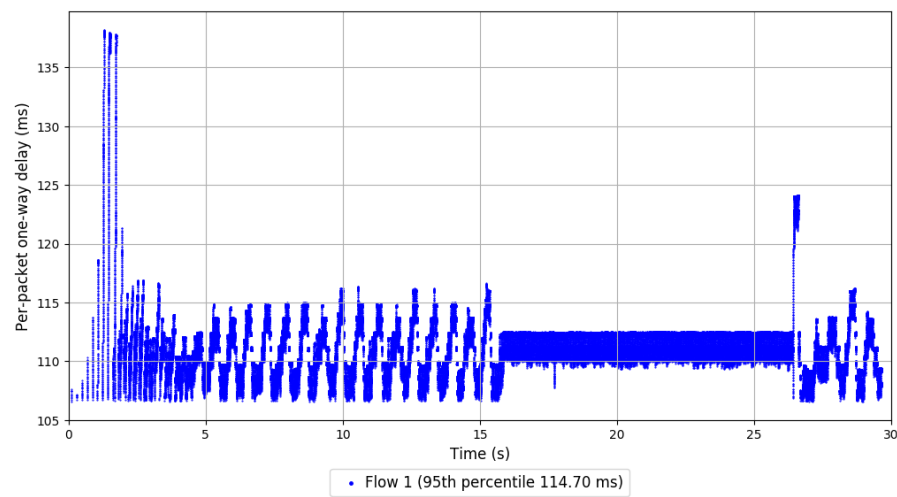
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 00:04:27
End at: 2018-01-26 00:04:57
Local clock offset: 0.247 ms
Remote clock offset: -1.803 ms


# Below is generated by plot.py at 2018-01-26 10:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 109.654 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 109.654 ms
Loss rate: 1.80%
```
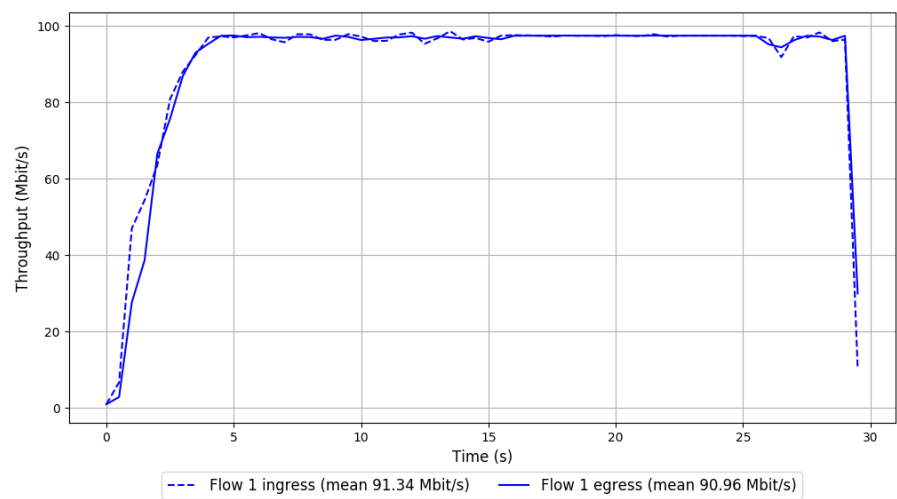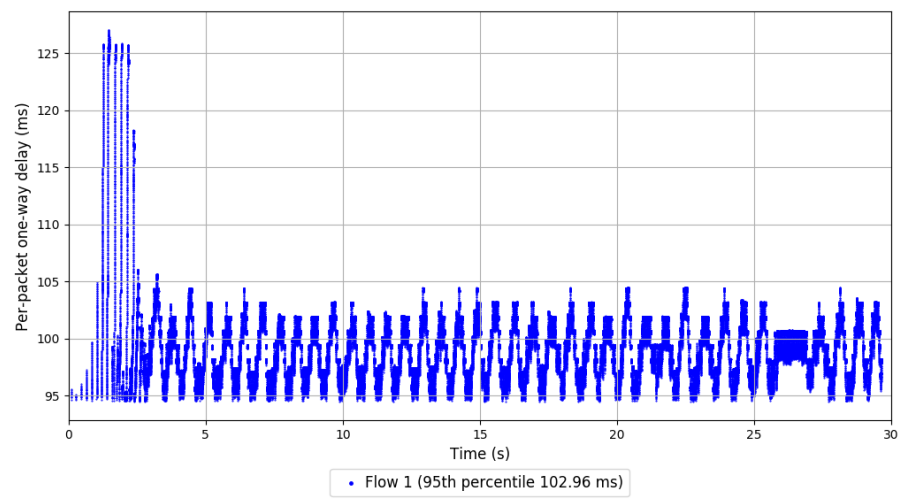
Run 1: Report of Indigo-2-256 — Data Link

```
Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 00:24:06
End at: 2018-01-26 00:24:36
Local clock offset: 0.217 ms
Remote clock offset: -0.337 ms


# Below is generated by plot.py at 2018-01-26 10:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 114.697 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 114.697 ms
Loss rate: 0.42%
```
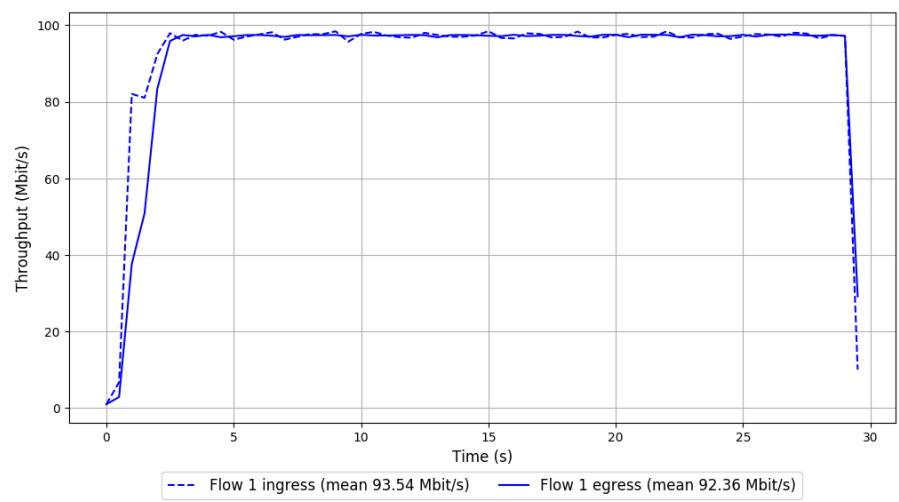
Run 2: Report of Indigo-2-256 — Data Link

```
Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 00:43:42
End at: 2018-01-26 00:44:12
Local clock offset: 0.168 ms
Remote clock offset: -7.077 ms


# Below is generated by plot.py at 2018-01-26 10:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 102.959 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 102.959 ms
Loss rate: 1.26%
```
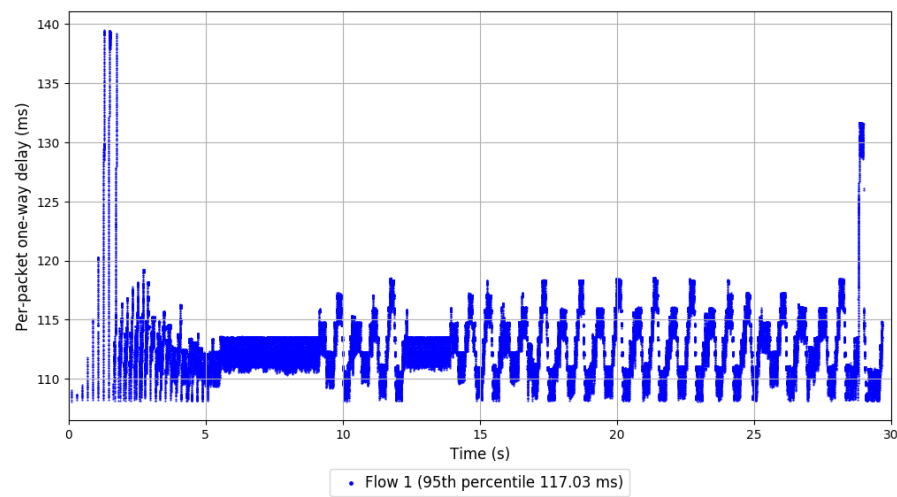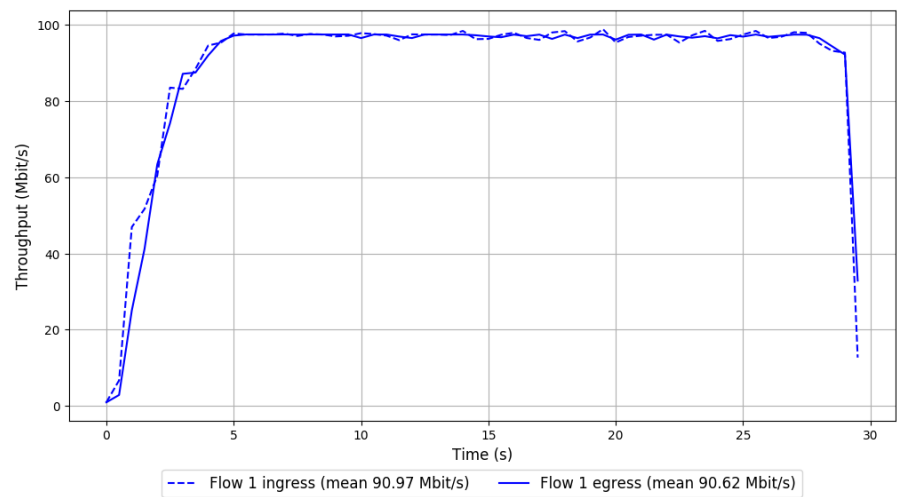
Run 3: Report of Indigo-2-256 — Data Link

```
Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 01:03:22
End at: 2018-01-26 01:03:52
Local clock offset: 0.201 ms
Remote clock offset: -0.955 ms

# Below is generated by plot.py at 2018-01-26 10:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 117.026 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 117.026 ms
Loss rate: 0.39%
```
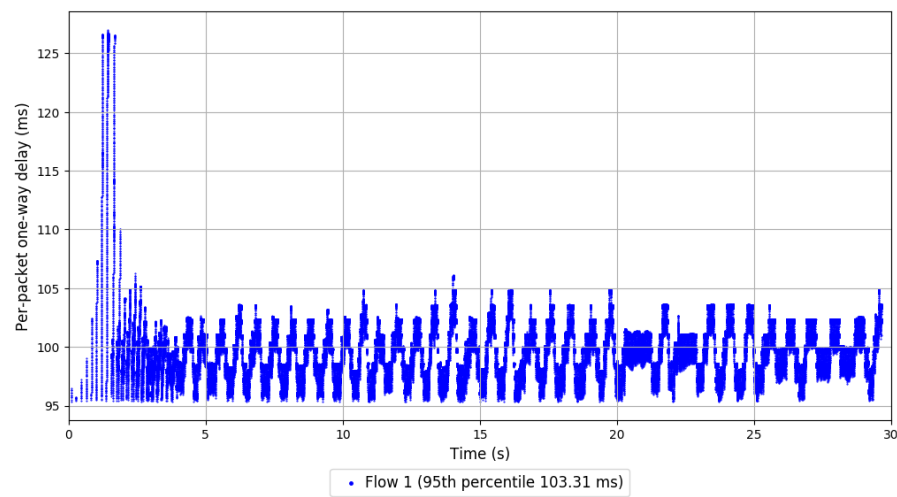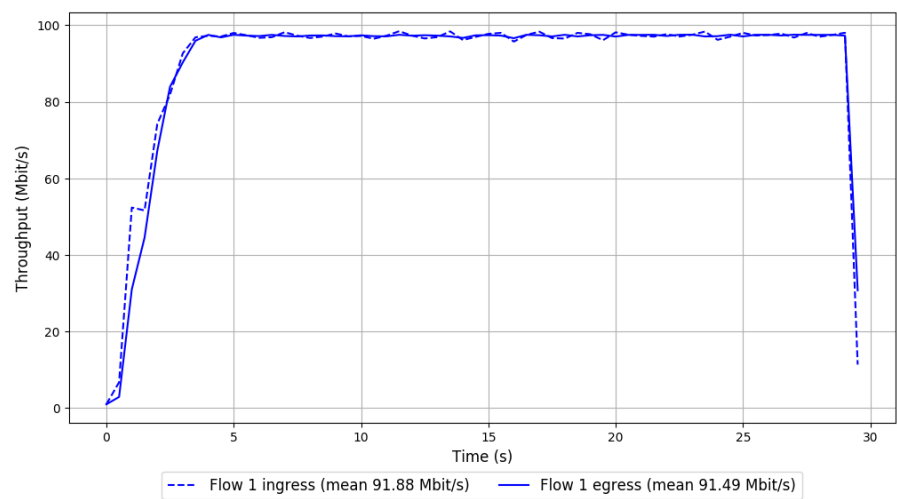
Run 4: Report of Indigo-2-256 — Data Link

```
Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 01:23:05
End at: 2018-01-26 01:23:35
Local clock offset: 0.182 ms
Remote clock offset: -7.582 ms


# Below is generated by plot.py at 2018-01-26 10:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 103.311 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 103.311 ms
Loss rate: 0.40%
```
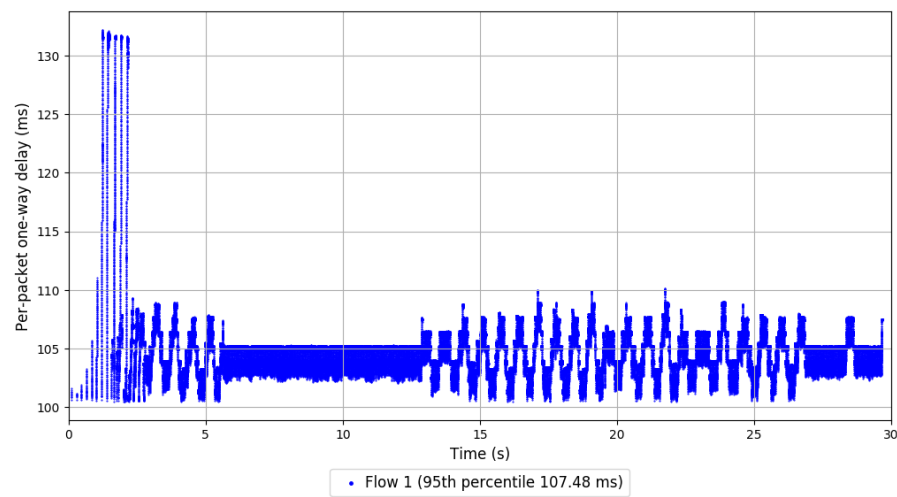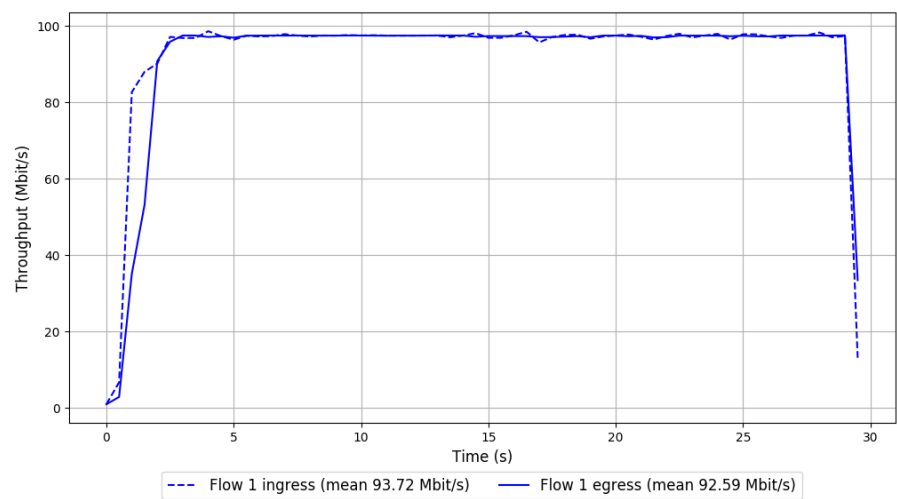
Run 5: Report of Indigo-2-256 — Data Link

```
Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 01:42:50
End at: 2018-01-26 01:43:20
Local clock offset: -0.026 ms
Remote clock offset: -1.567 ms


# Below is generated by plot.py at 2018-01-26 10:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 107.480 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 107.480 ms
Loss rate: 1.19%
```

Run 6: Report of Indigo-2-256 — Data Link

Flow 1 ingress (mean 93.72 Mbit/s)   Flow 1 egress (mean 92.59 Mbit/s)
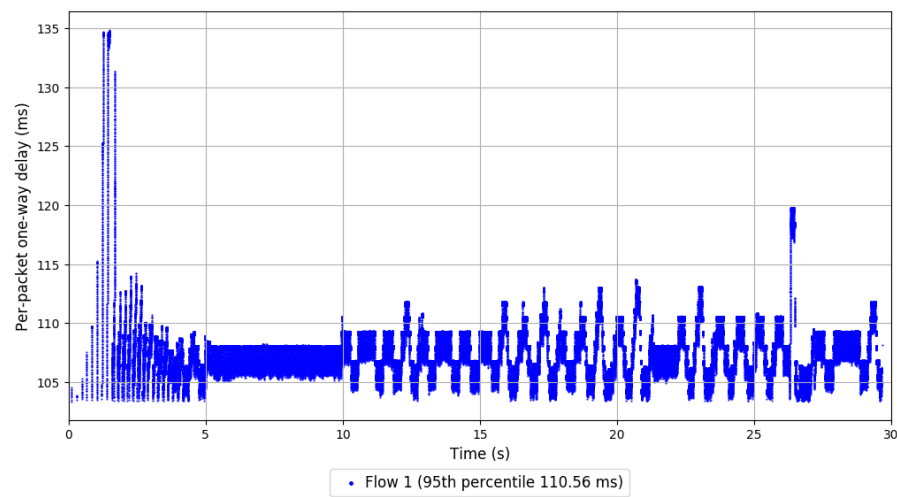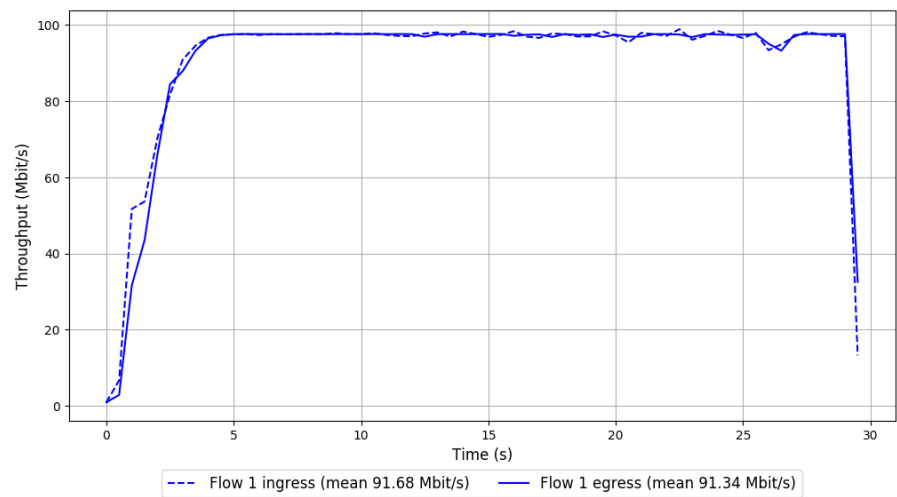

Flow 1 (95th percentile 107.48 ms)

```
Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 02:02:29
End at: 2018-01-26 02:02:59
Local clock offset: -0.167 ms
Remote clock offset: -2.065 ms

# Below is generated by plot.py at 2018-01-26 10:16:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 110.560 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 110.560 ms
Loss rate: 0.37%
```

Run 7: Report of Indigo-2-256 — Data Link
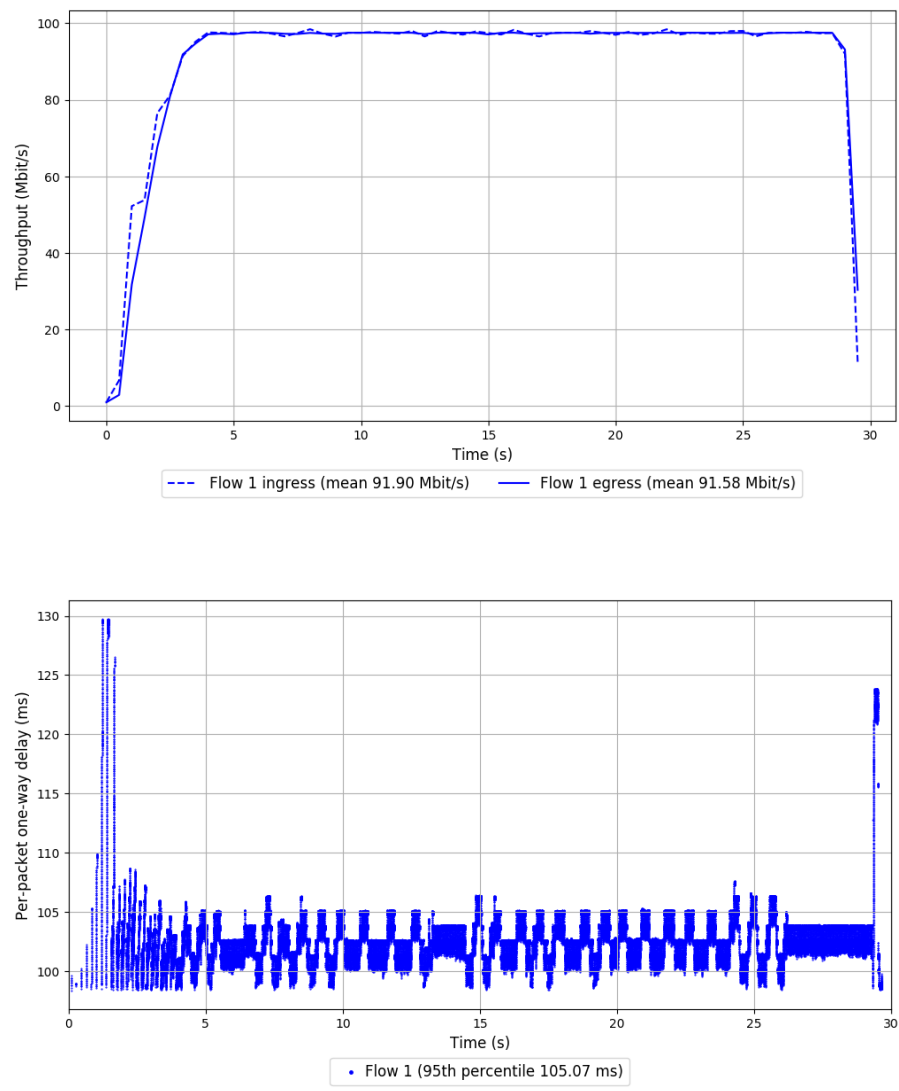

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```
Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 02:22:03
End at: 2018-01-26 02:22:33
Local clock offset: -0.189 ms
Remote clock offset: -2.081 ms


# Below is generated by plot.py at 2018-01-26 10:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: 105.072 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: 105.072 ms
Loss rate: 0.35%
```
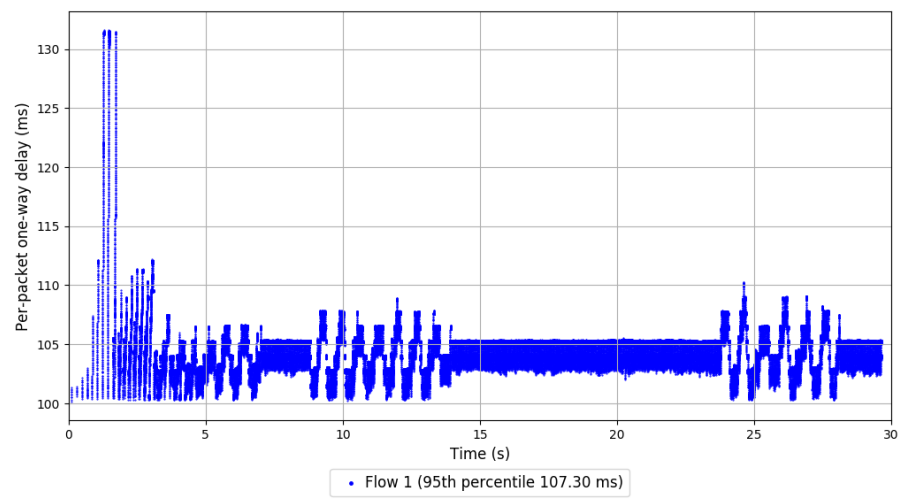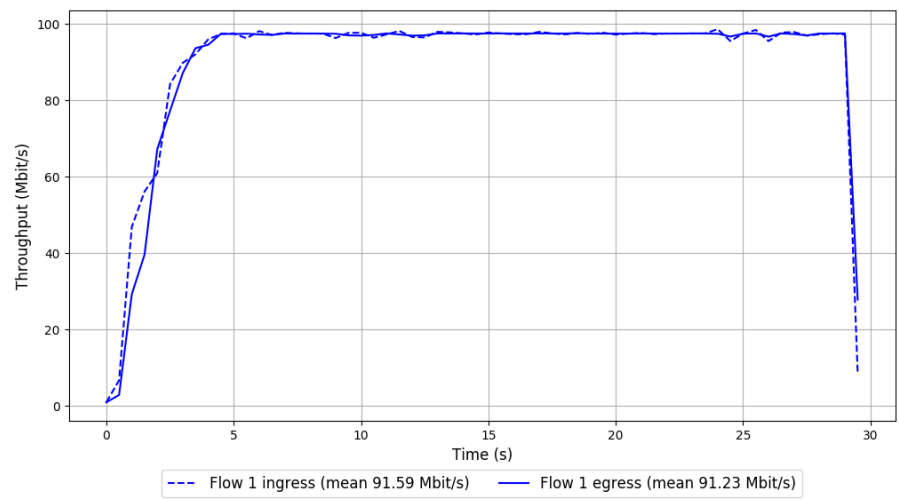
Run 8: Report of Indigo-2-256 — Data Link

```
Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 02:41:40
End at: 2018-01-26 02:42:10
Local clock offset: -0.266 ms
Remote clock offset: -6.706 ms


# Below is generated by plot.py at 2018-01-26 10:16:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 107.298 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 107.298 ms
Loss rate: 0.40%
```

Run 9: Report of Indigo-2-256 — Data Link

```
Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 03:01:17
End at: 2018-01-26 03:01:47
Local clock offset: -0.47 ms
Remote clock offset: -0.775 ms

# Below is generated by plot.py at 2018-01-26 10:16:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 109.220 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 109.220 ms
Loss rate: 0.36%
```
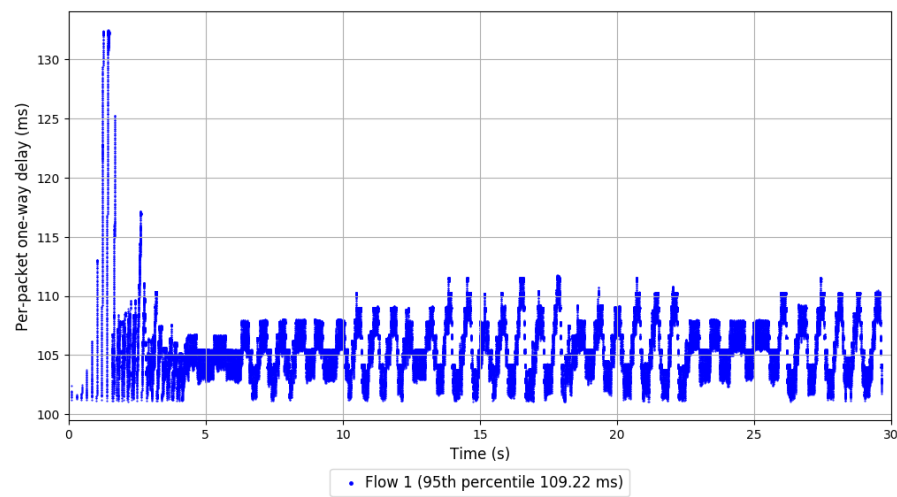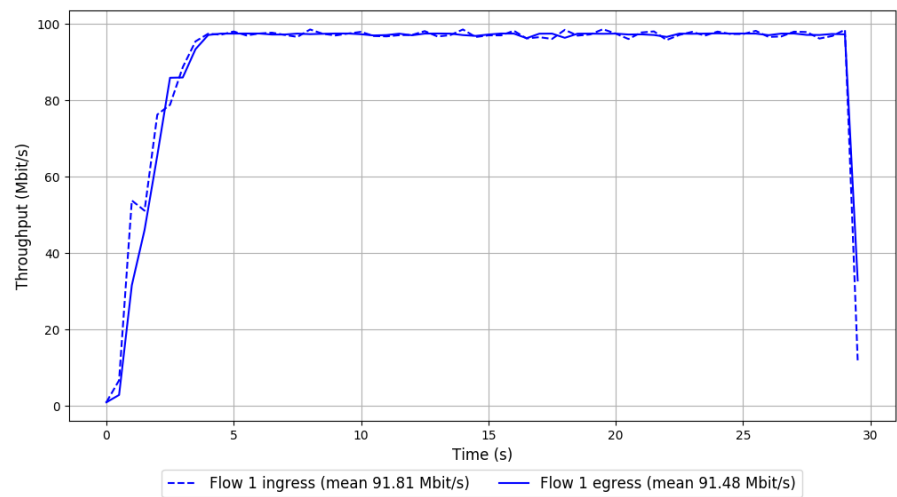
Run 10: Report of Indigo-2-256 — Data Link

Flow 1 ingress (mean 91.81 Mbit/s)   Flow 1 egress (mean 91.48 Mbit/s)
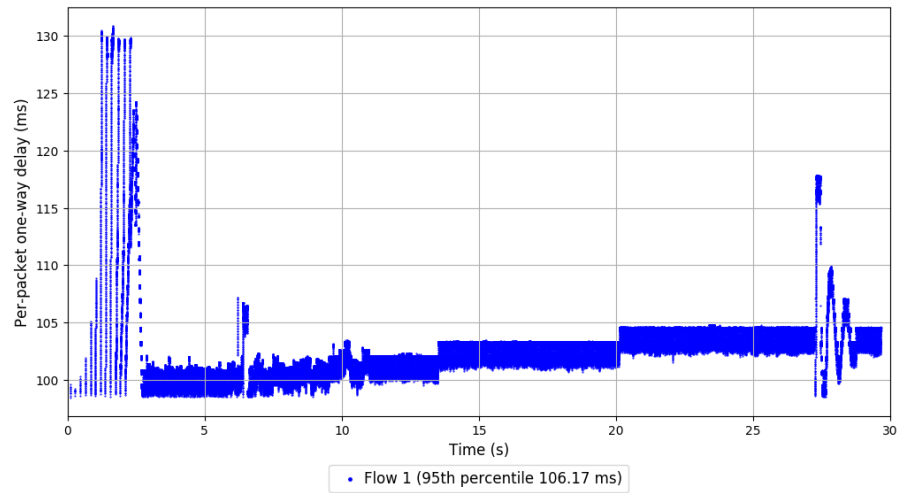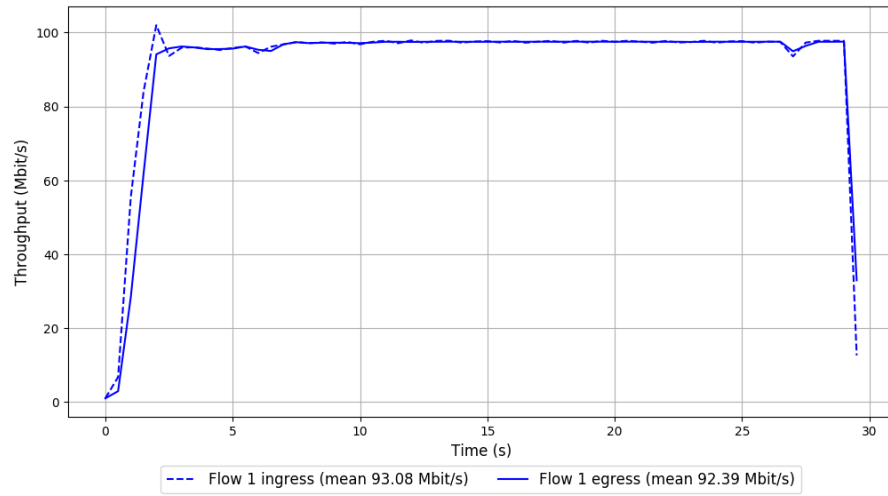

Flow 1 (95th percentile 109.22 ms)

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

Start at: 2018-01-25 23:56:59
End at: 2018-01-25 23:57:29
Local clock offset: 0.275 ms
Remote clock offset: -1.83 ms


# Below is generated by plot.py at 2018-01-26 10:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 106.172 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 106.172 ms
Loss rate: 0.72%
```

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

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

Start at: 2018-01-26 00:16:42
End at: 2018-01-26 00:17:12
Local clock offset: 0.327 ms
Remote clock offset: -2.037 ms

# Below is generated by plot.py at 2018-01-26 10:16:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 111.357 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 111.357 ms
Loss rate: 0.62%
```
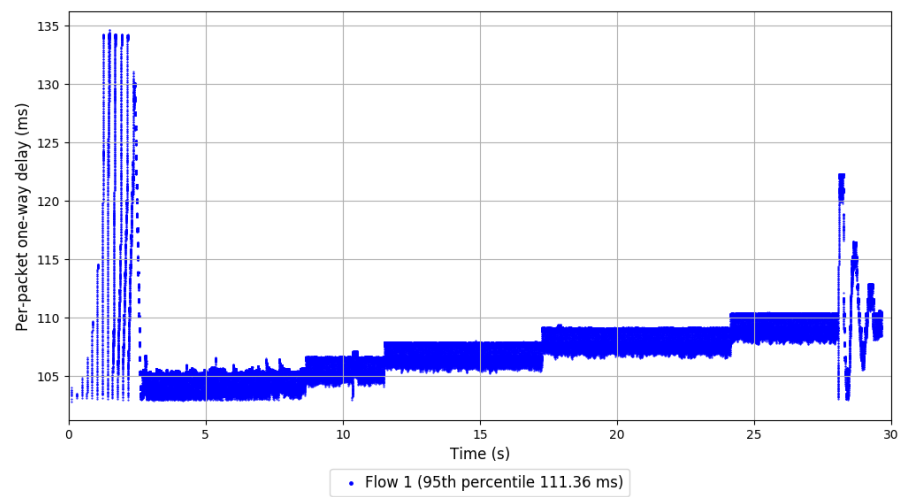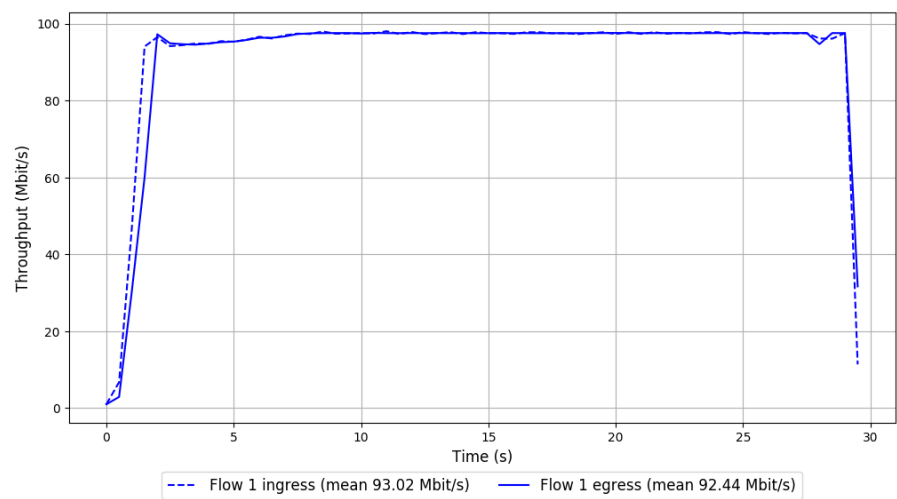
Run 2: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-26 00:36:18
End at: 2018-01-26 00:36:48
Local clock offset: 0.262 ms
Remote clock offset: -6.947 ms


# Below is generated by plot.py at 2018-01-26 10:16:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 101.351 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 101.351 ms
Loss rate: 0.69%
```
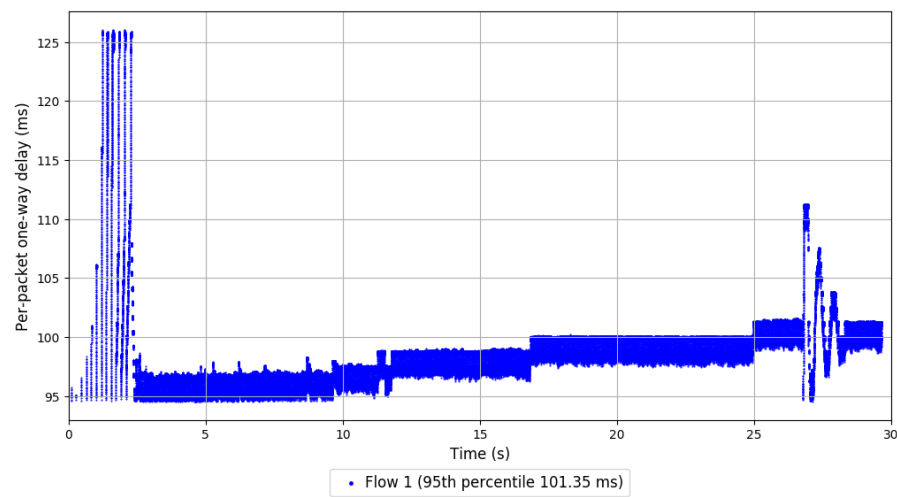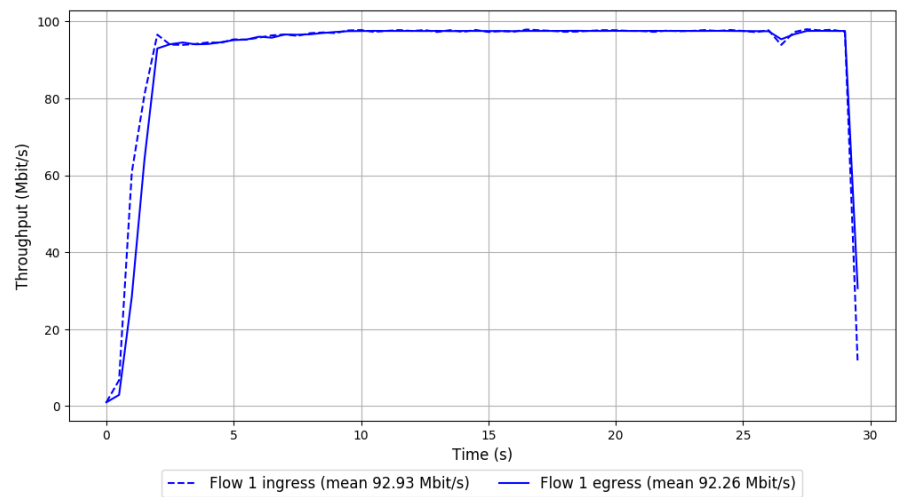
Run 3: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-26 00:55:58
End at: 2018-01-26 00:56:29
Local clock offset: 0.141 ms
Remote clock offset: -2.734 ms


# Below is generated by plot.py at 2018-01-26 10:16:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 112.607 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 112.607 ms
Loss rate: 0.75%
```
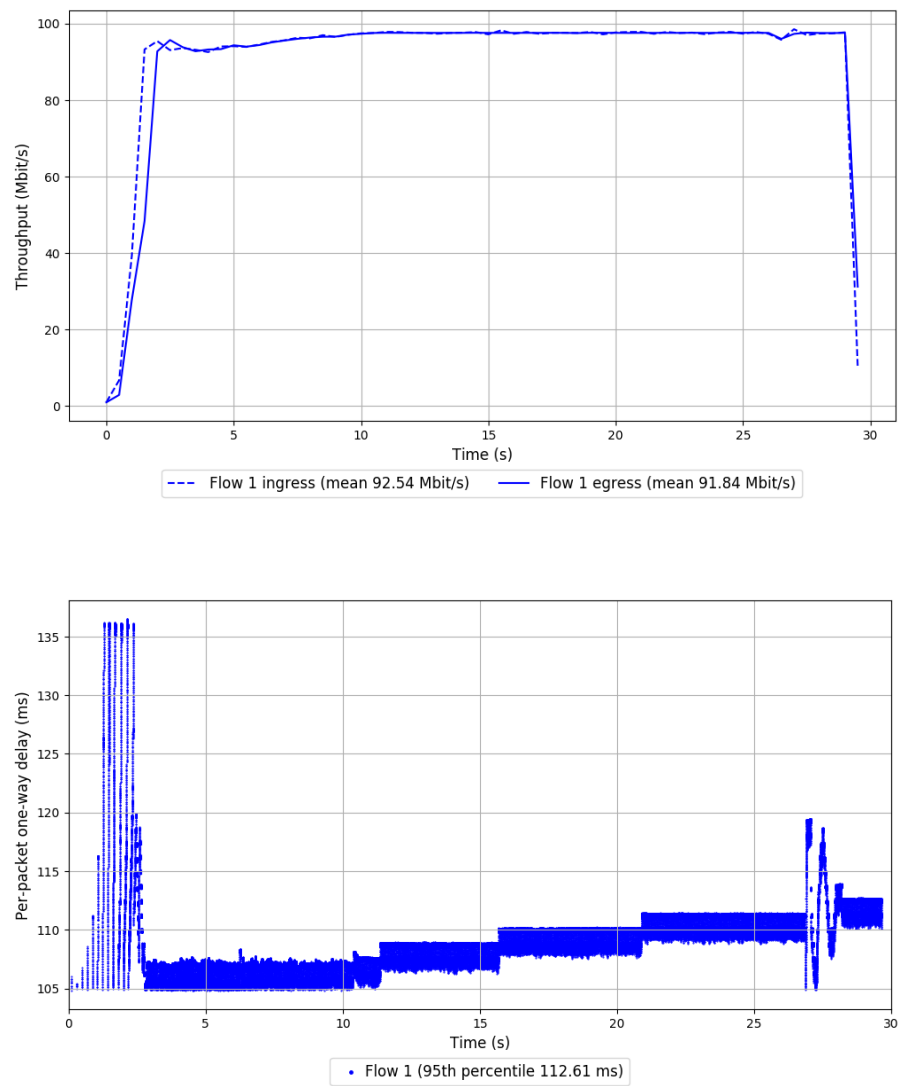
Run 4: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 92.54 Mbit/s) — Flow 1 egress (mean 91.84 Mbit/s)
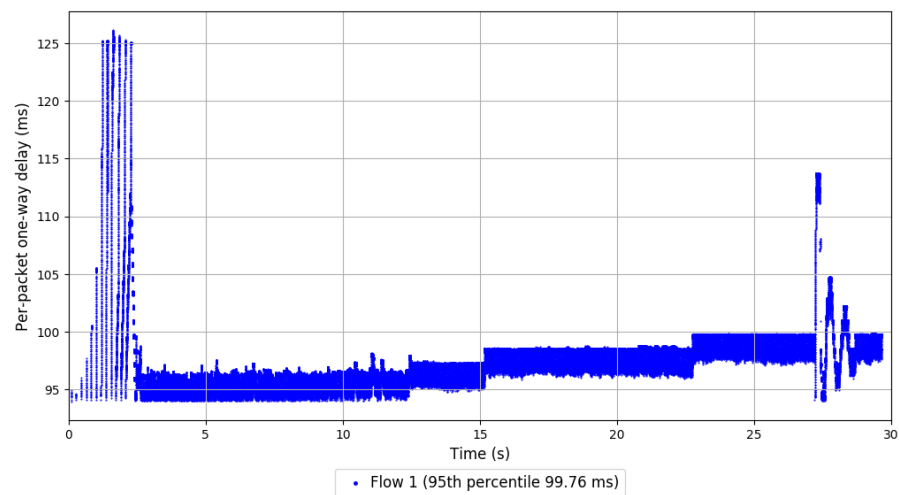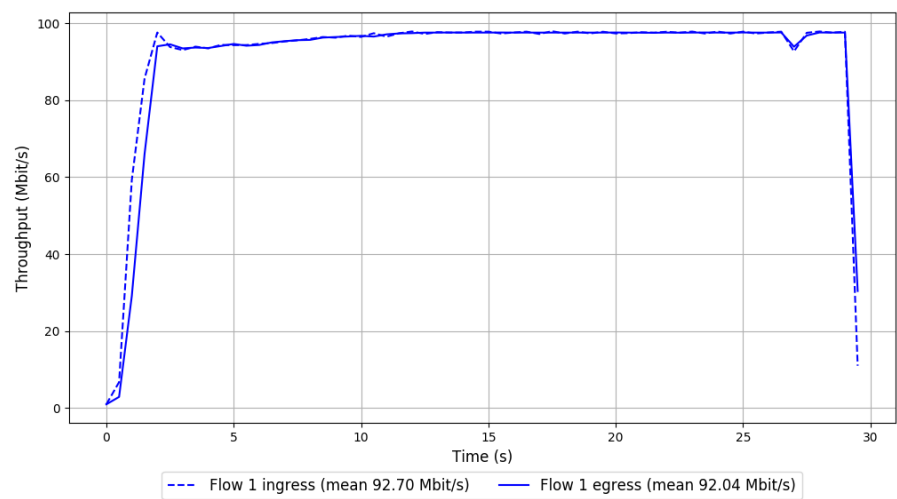

Flow 1 (95th percentile 112.61 ms)

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

Start at: 2018-01-26 01:15:41
End at: 2018-01-26 01:16:11
Local clock offset: 0.192 ms
Remote clock offset: -7.633 ms


# Below is generated by plot.py at 2018-01-26 10:17:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 99.764 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 99.764 ms
Loss rate: 0.70%
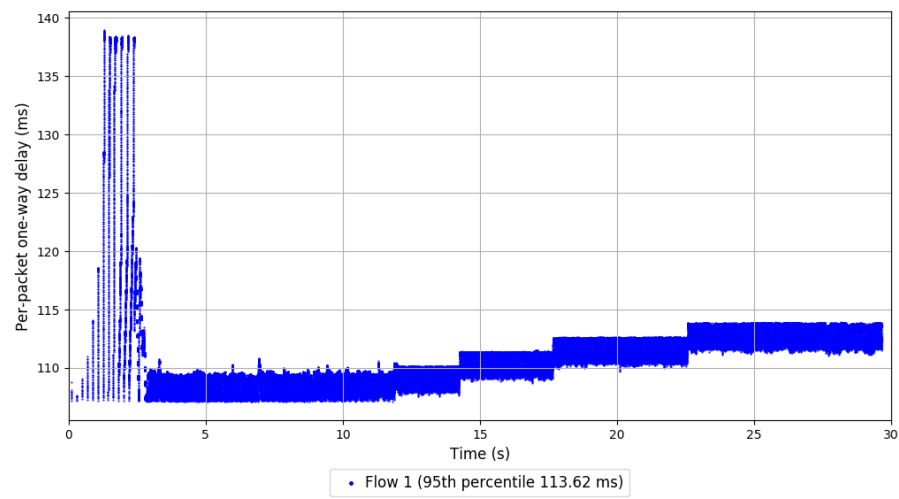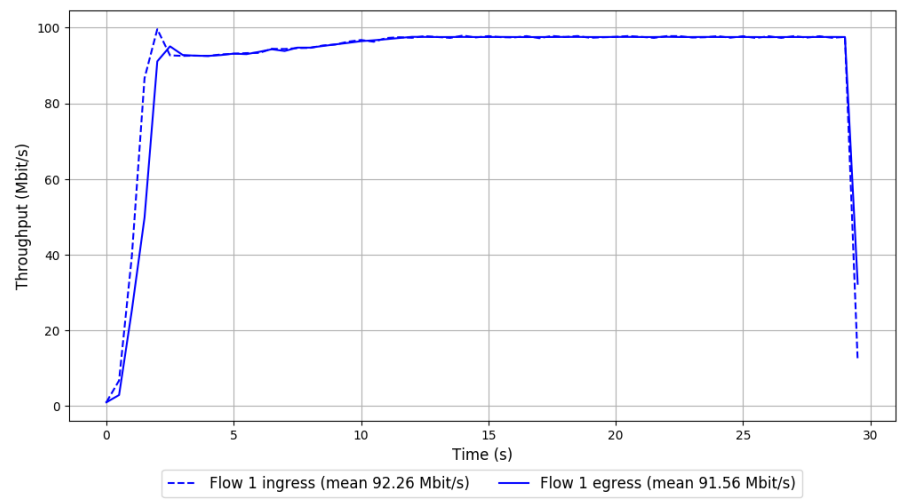```

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

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

Start at: 2018-01-26 01:35:25
End at: 2018-01-26 01:35:55
Local clock offset: 0.117 ms
Remote clock offset: -1.962 ms

Below is generated by plot.py at 2018-01-26 10:17:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 113.621 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 113.621 ms
Loss rate: 0.78%
```
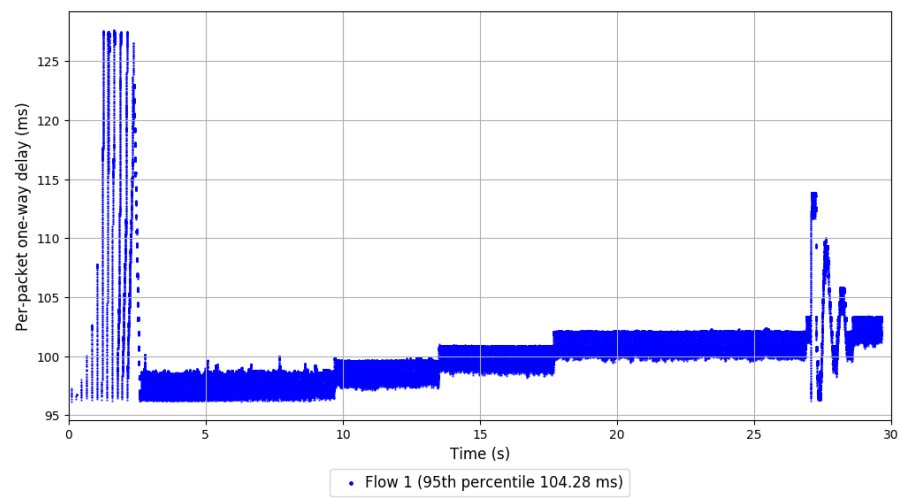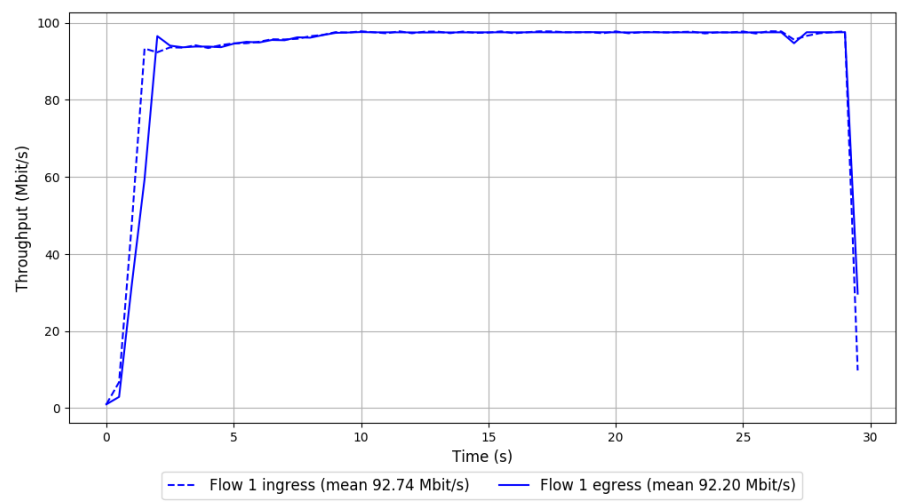
Run 6: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-26 01:55:03
End at: 2018-01-26 01:55:33
Local clock offset: -0.202 ms
Remote clock offset: -6.916 ms

Below is generated by plot.py at 2018-01-26 10:17:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 104.285 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 104.285 ms
Loss rate: 0.56%
```
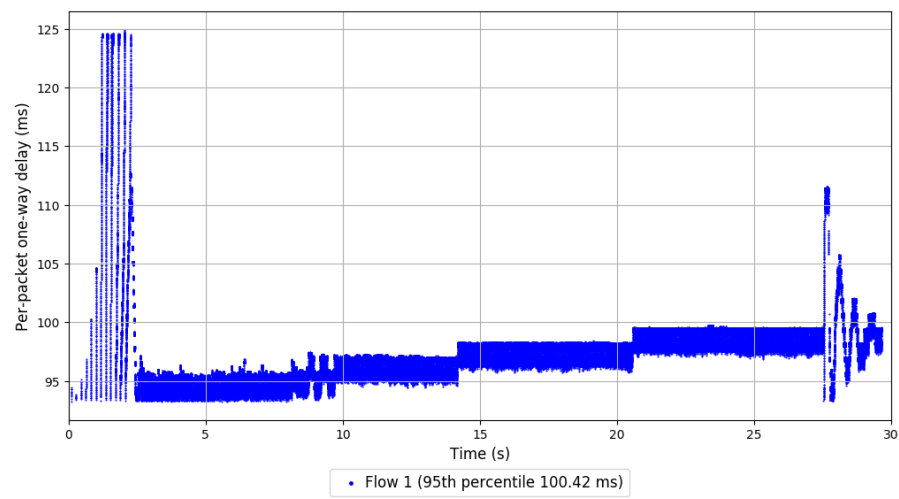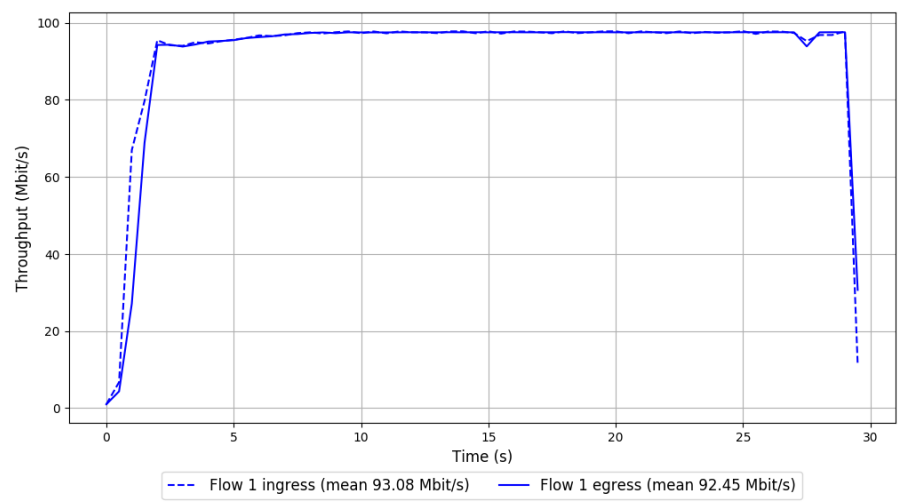
Run 7: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-26 02:14:43
End at: 2018-01-26 02:15:13
Local clock offset: -0.188 ms
Remote clock offset: -6.848 ms

Below is generated by plot.py at 2018-01-26 10:17:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 100.417 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 100.417 ms
Loss rate: 0.66%
```
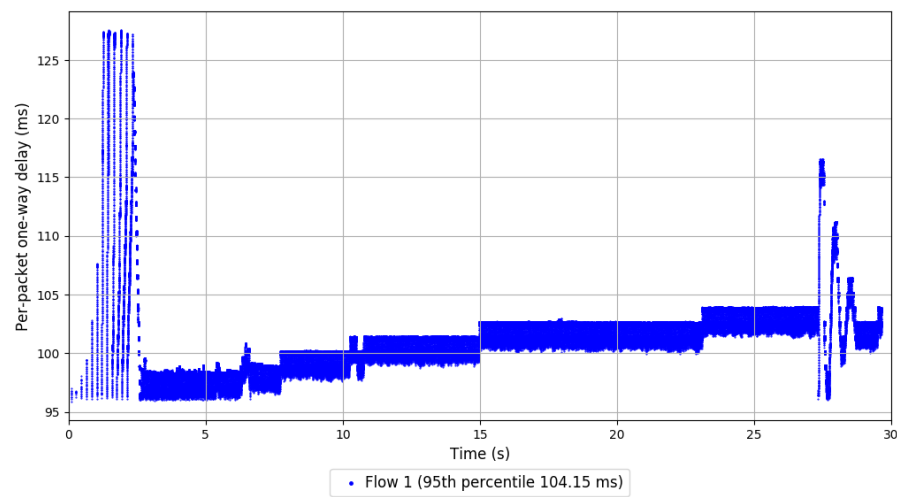
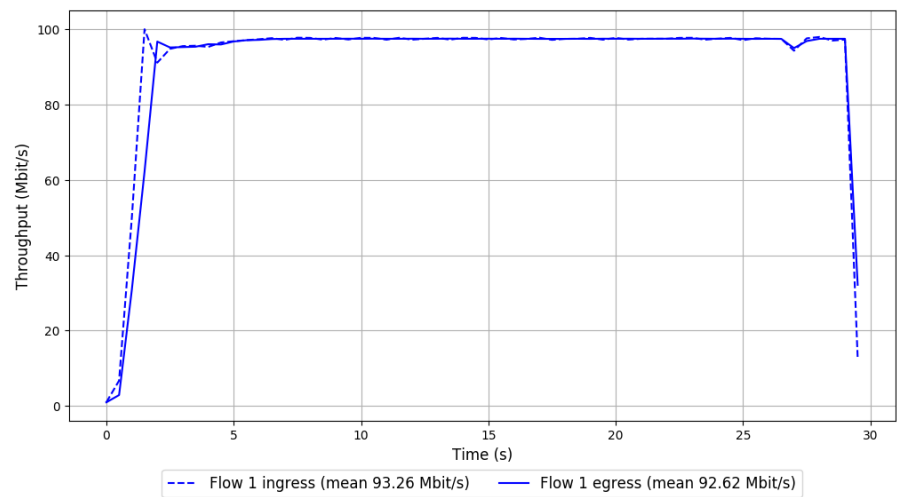Run 8: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-26 02:34:16
End at: 2018-01-26 02:34:46
Local clock offset: -0.238 ms
Remote clock offset: -7.615 ms


# Below is generated by plot.py at 2018-01-26 10:17:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 104.146 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 104.146 ms
Loss rate: 0.67%
```

Run 9: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-26 02:53:52
End at: 2018-01-26 02:54:22
Local clock offset: -0.392 ms
Remote clock offset: -6.626 ms


# Below is generated by plot.py at 2018-01-26 10:18:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: 110.273 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: 110.273 ms
Loss rate: 0.40%
```
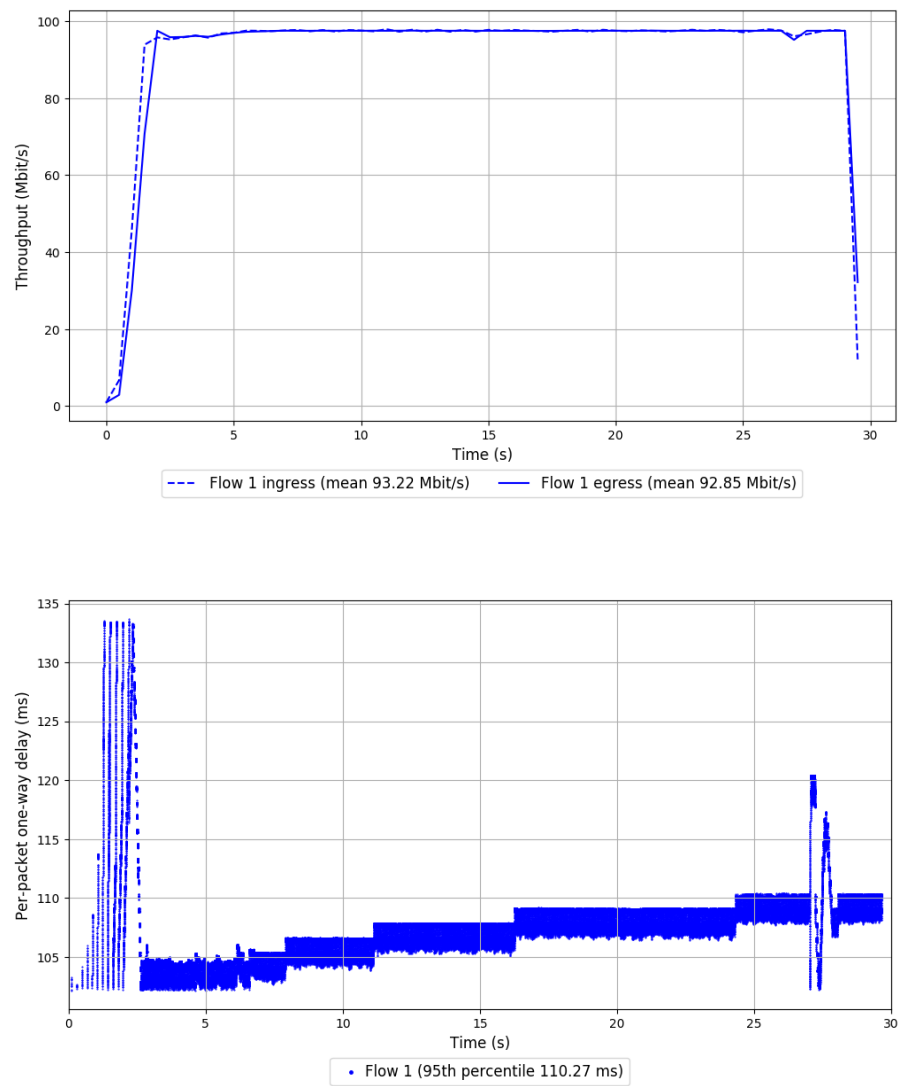
Run 10: Report of Indigo-1-32 — Data Link

```
Run 1: Statistics of Indigo-1-128

Start at: 2018-01-25 23:48:26
End at: 2018-01-25 23:48:56
Local clock offset: 0.286 ms
Remote clock offset: -6.584 ms


# Below is generated by plot.py at 2018-01-26 10:18:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 104.509 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 104.509 ms
Loss rate: 1.83%
```
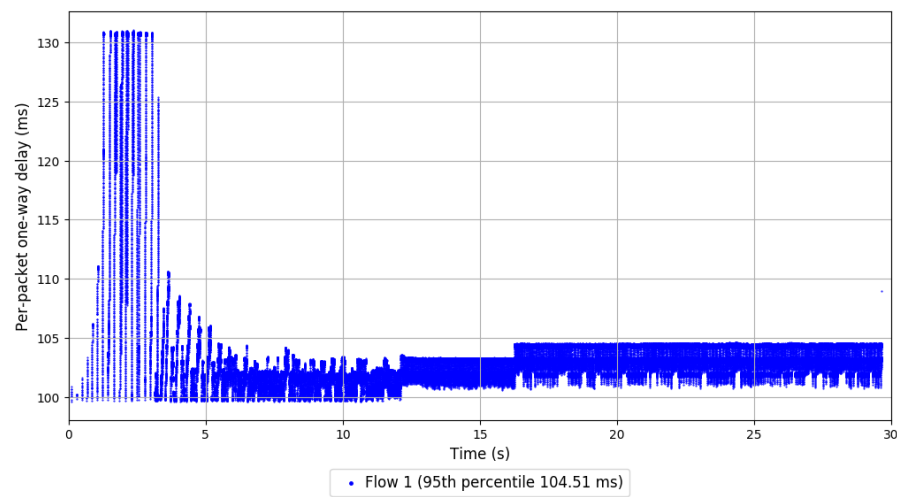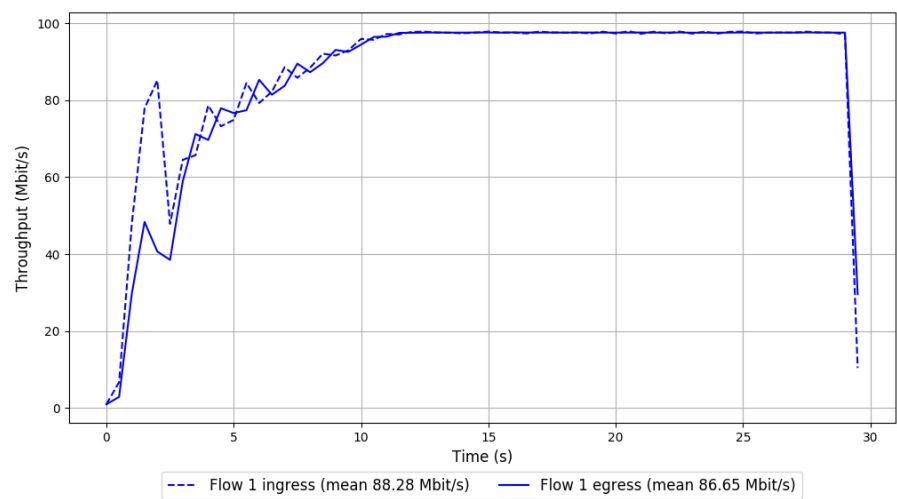
Run 1: Report of Indigo-1-128 — Data Link

```
Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 00:08:09
End at: 2018-01-26 00:08:39
Local clock offset: 0.291 ms
Remote clock offset: -0.982 ms

# Below is generated by plot.py at 2018-01-26 10:18:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 105.311 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 105.311 ms
Loss rate: 0.49%
```
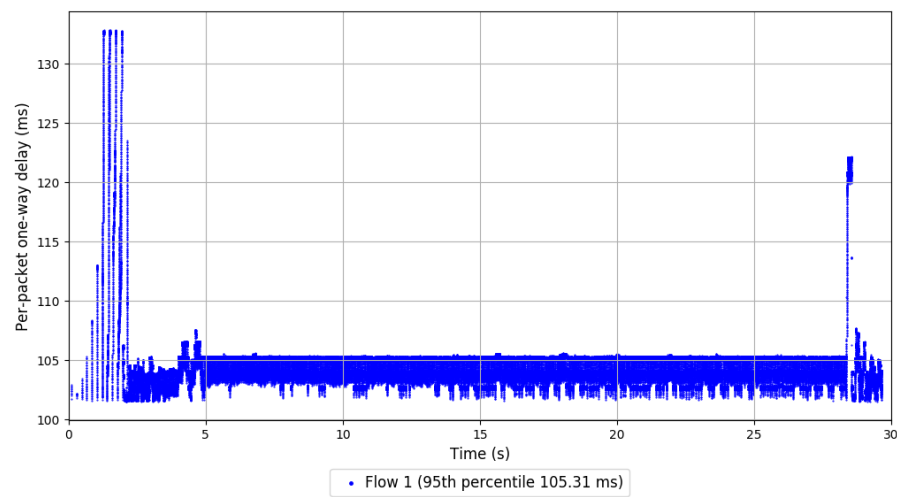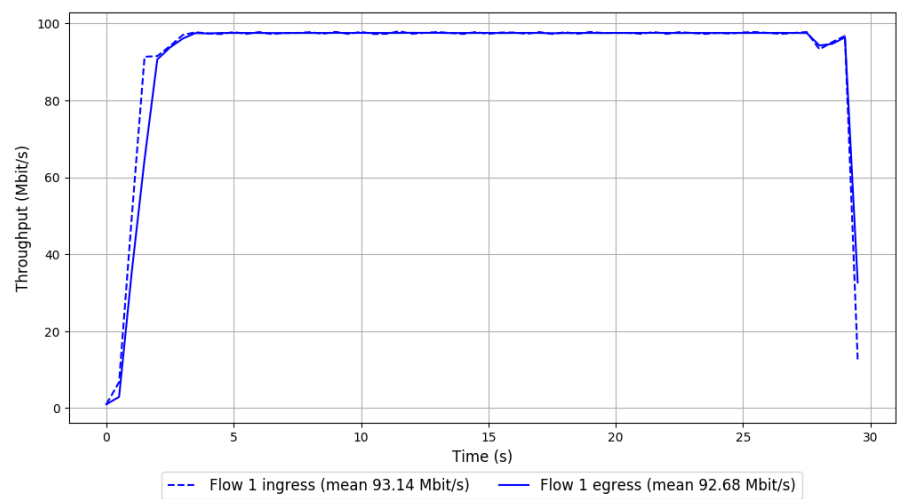
Run 2: Report of Indigo-1-128 — Data Link

Flow 1 ingress (mean 93.14 Mbit/s)   Flow 1 egress (mean 92.68 Mbit/s)

• Flow 1 (95th percentile 105.31 ms)

```
Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 00:27:47
End at: 2018-01-26 00:28:17
Local clock offset: 0.288 ms
Remote clock offset: -1.251 ms


# Below is generated by plot.py at 2018-01-26 10:18:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 103.831 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 103.831 ms
Loss rate: 0.58%
```
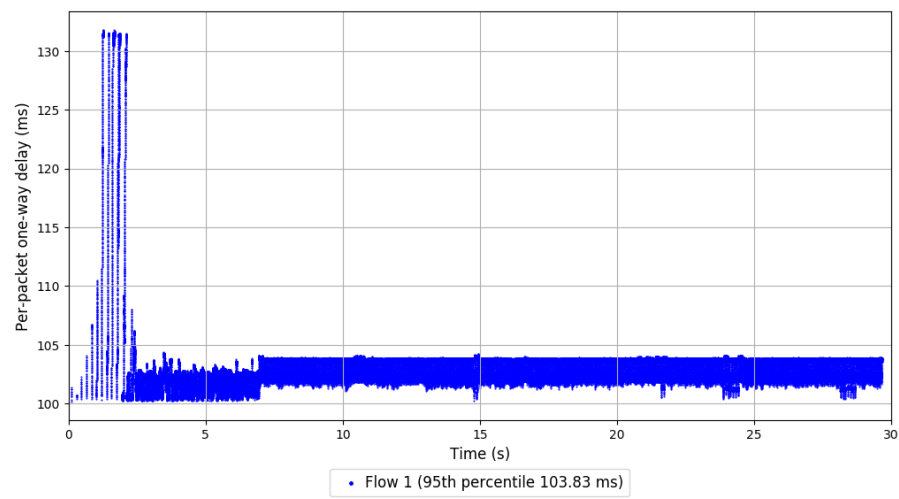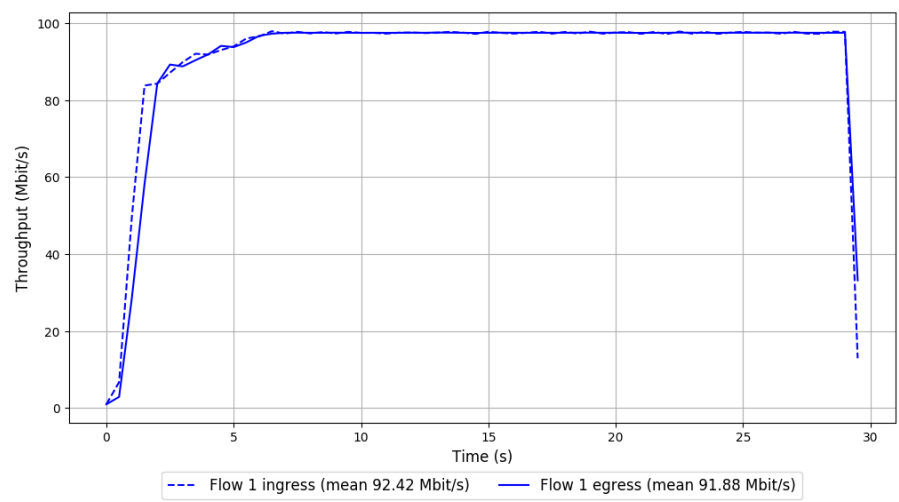
Run 3: Report of Indigo-1-128 — Data Link

```
Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 00:47:25
End at: 2018-01-26 00:47:55
Local clock offset: 0.213 ms
Remote clock offset: -2.606 ms


# Below is generated by plot.py at 2018-01-26 10:18:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 110.057 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 110.057 ms
Loss rate: 1.51%
```
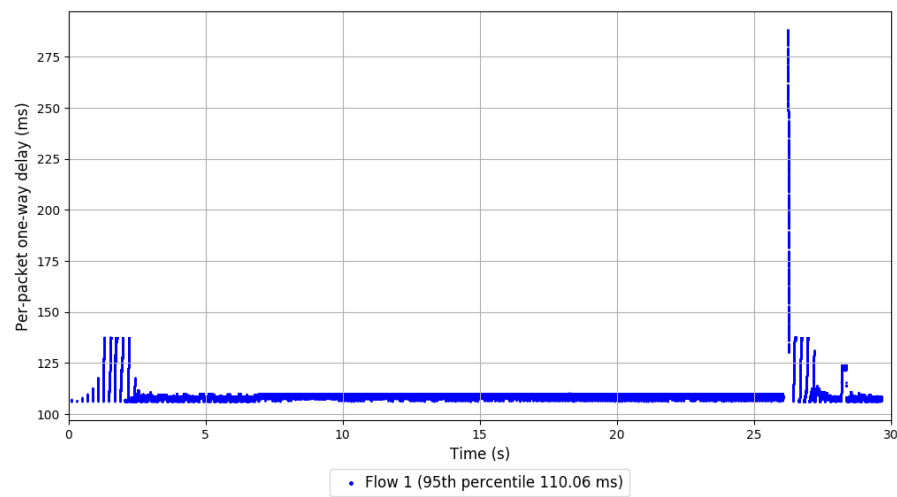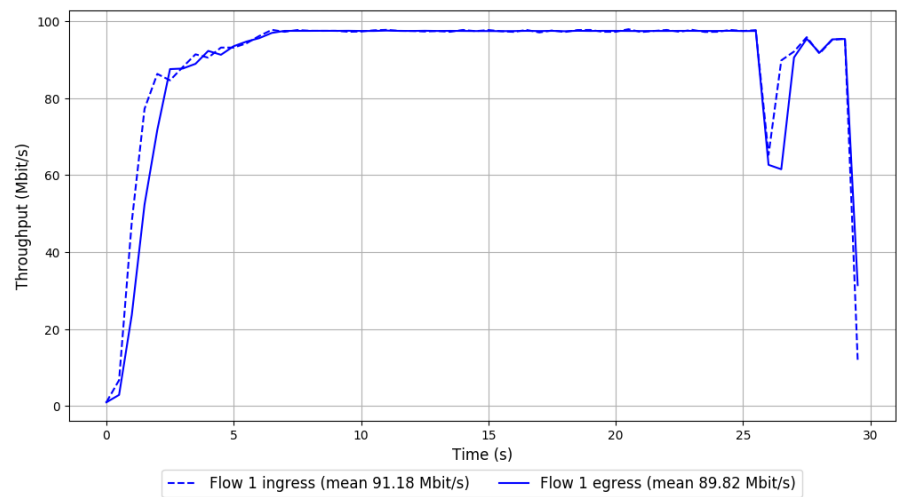
Run 4: Report of Indigo-1-128 — Data Link

```
Run 5: Statistics of Indigo-1-128

Start at: 2018-01-26 01:07:08
End at: 2018-01-26 01:07:38
Local clock offset: 0.144 ms
Remote clock offset: -7.618 ms


# Below is generated by plot.py at 2018-01-26 10:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.25 Mbit/s
95th percentile per-packet one-way delay: 98.391 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 92.25 Mbit/s
95th percentile per-packet one-way delay: 98.391 ms
Loss rate: 0.67%
```
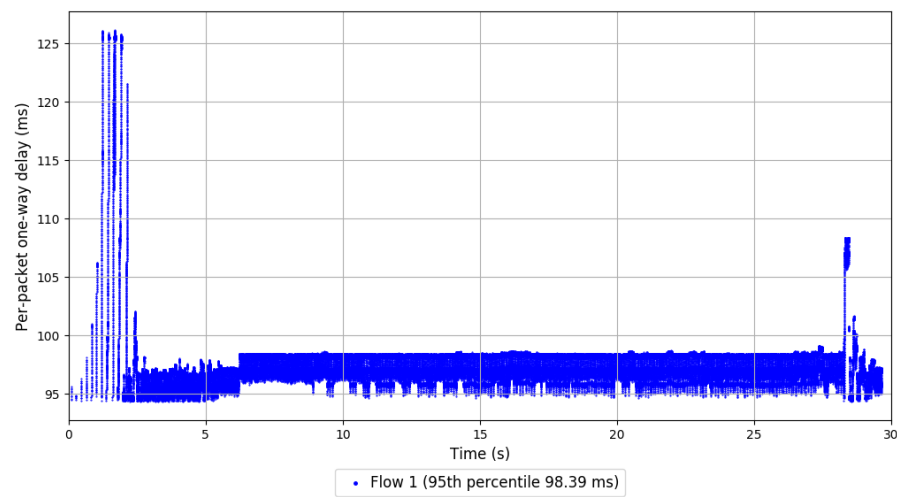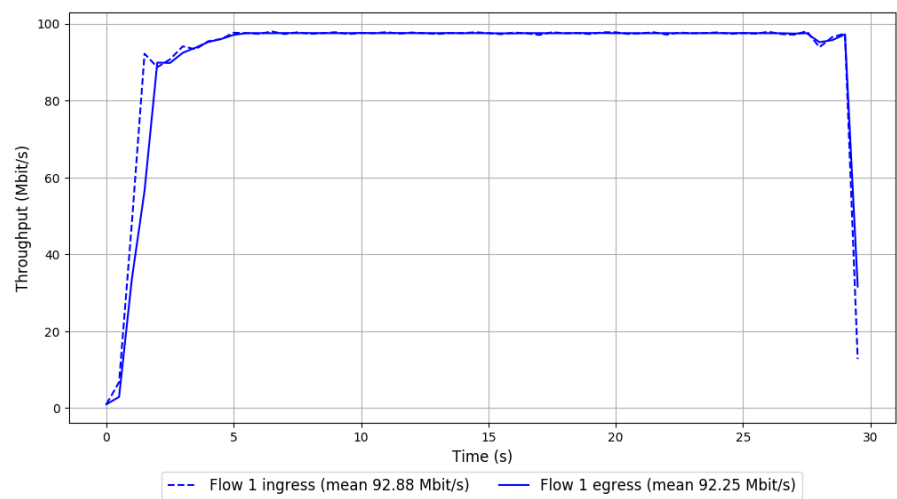
Run 5: Report of Indigo-1-128 — Data Link

```
Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 01:26:48
End at: 2018-01-26 01:27:18
Local clock offset: 0.169 ms
Remote clock offset: -2.771 ms


# Below is generated by plot.py at 2018-01-26 10:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 108.805 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 108.805 ms
Loss rate: 0.72%
```
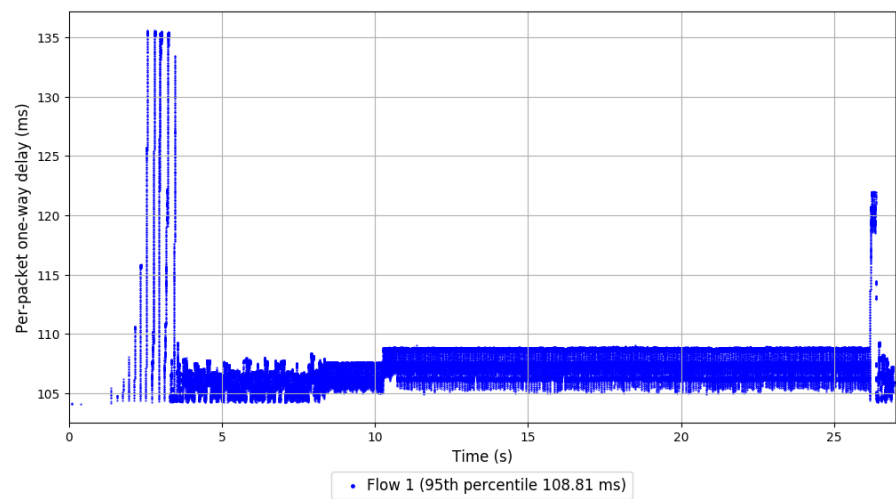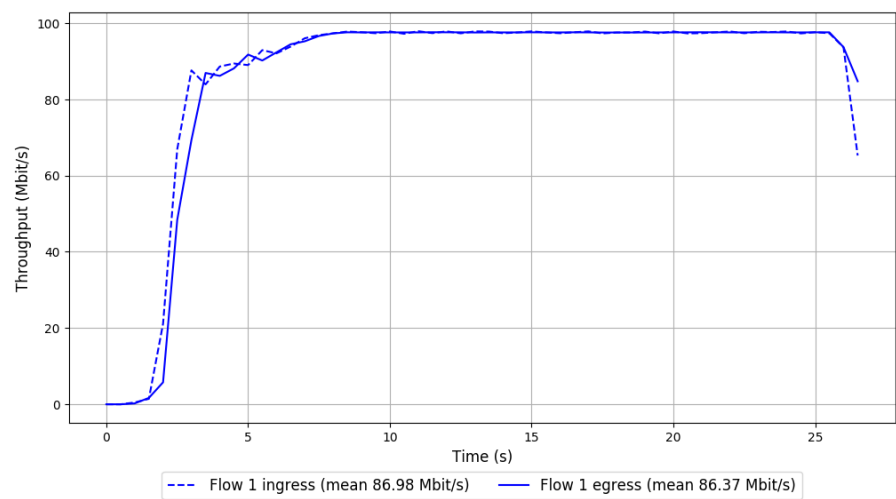
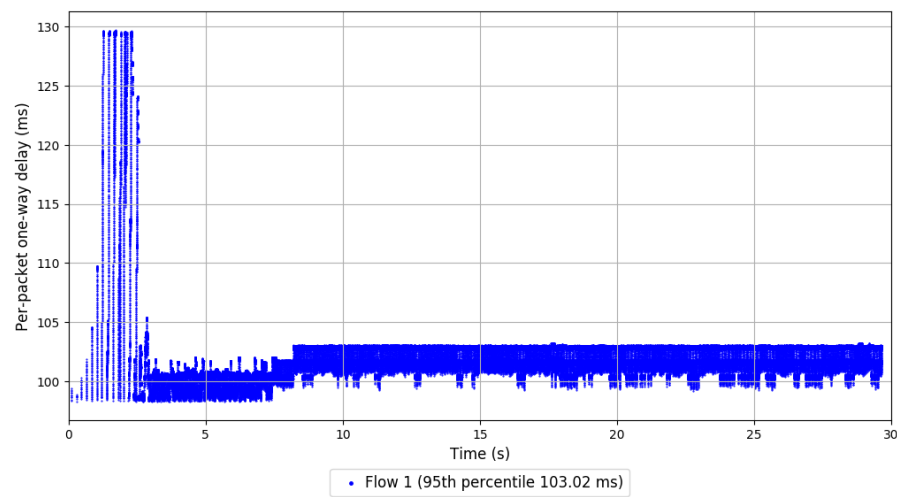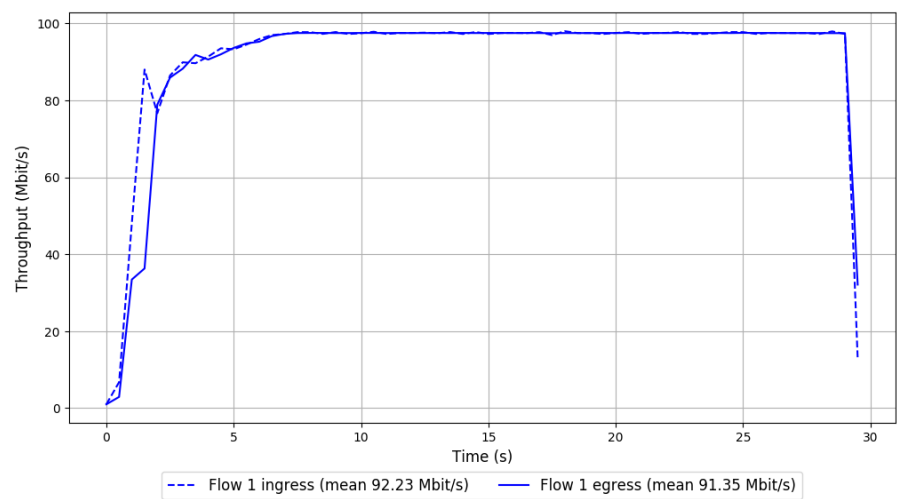## Run 6: Report of Indigo-1-128 — Data Link

```
Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 01:46:31
End at: 2018-01-26 01:47:01
Local clock offset: -0.034 ms
Remote clock offset: -6.914 ms


# Below is generated by plot.py at 2018-01-26 10:19:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 103.017 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 103.017 ms
Loss rate: 0.95%
```

Run 7: Report of Indigo-1-128 — Data Link

Flow 1 ingress (mean 92.23 Mbit/s)   Flow 1 egress (mean 91.35 Mbit/s)

• Flow 1 (95th percentile 103.02 ms)

```
Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 02:06:12
End at: 2018-01-26 02:06:42
Local clock offset: -0.241 ms
Remote clock offset: -2.92 ms


# Below is generated by plot.py at 2018-01-26 10:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 107.738 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 107.738 ms
Loss rate: 0.50%
```
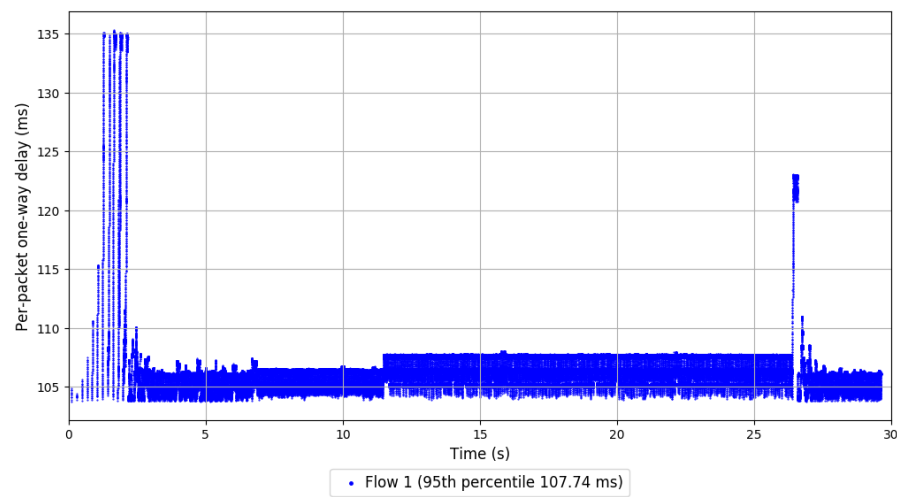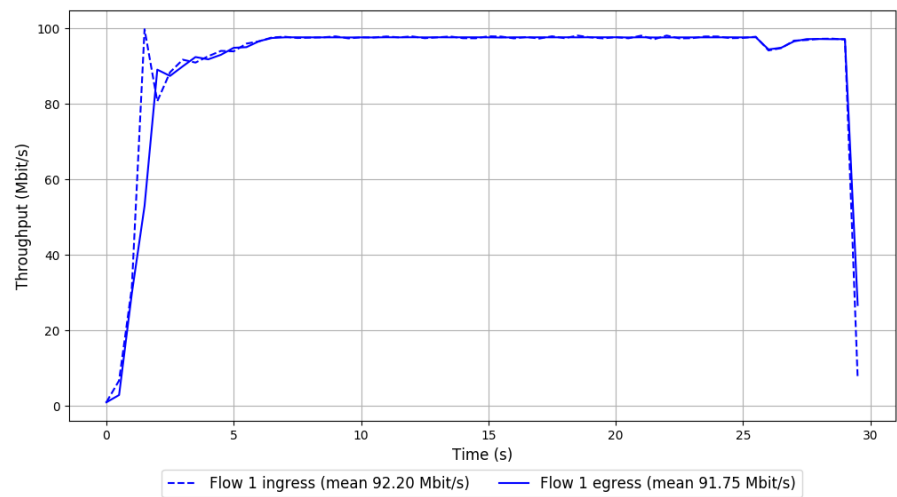
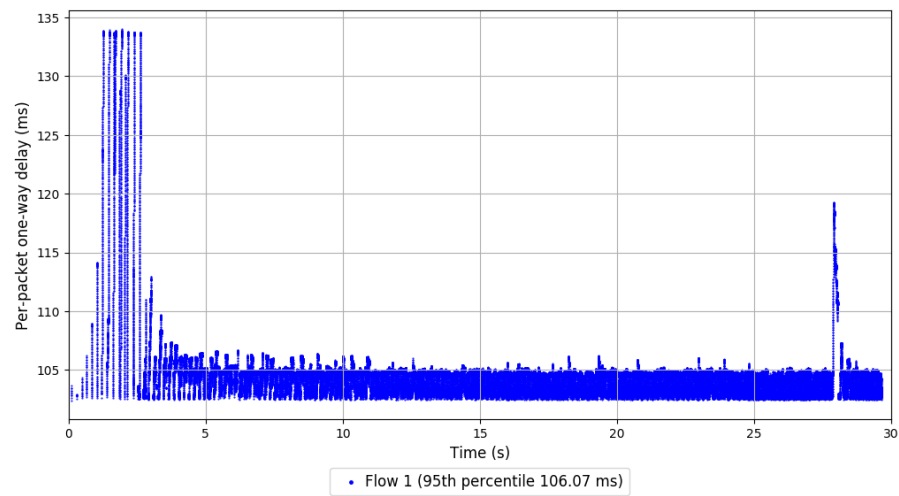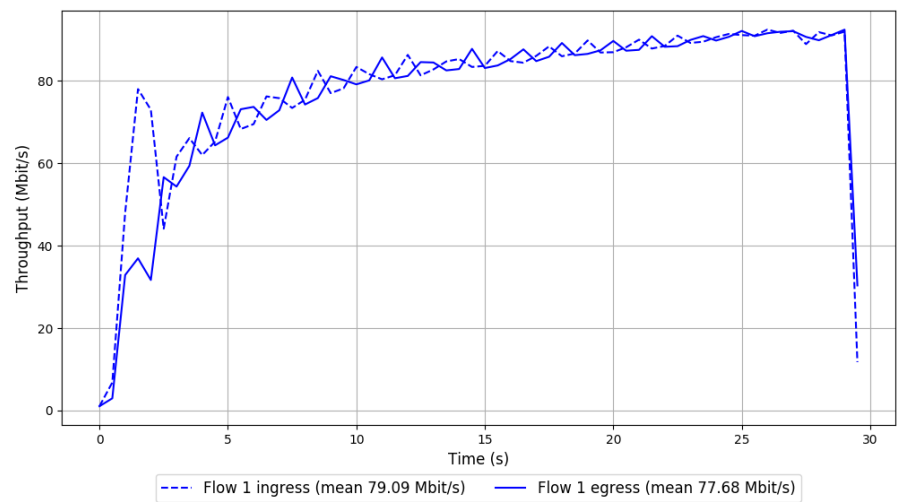## Run 8: Report of Indigo-1-128 — Data Link

```
Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 02:25:45
End at: 2018-01-26 02:26:15
Local clock offset: -0.219 ms
Remote clock offset: -1.039 ms


# Below is generated by plot.py at 2018-01-26 10:19:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 106.070 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 106.070 ms
Loss rate: 1.78%
```

Run 9: Report of Indigo-1-128 — Data Link

```
Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 02:45:22
End at: 2018-01-26 02:45:52
Local clock offset: -0.281 ms
Remote clock offset: -1.723 ms


# Below is generated by plot.py at 2018-01-26 10:19:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 104.283 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 104.283 ms
Loss rate: 0.74%
```

Run 10: Report of Indigo-1-128 — Data Link

Flow 1 ingress (mean 93.20 Mbit/s)   Flow 1 egress (mean 92.51 Mbit/s)

• Flow 1 (95th percentile 104.28 ms)