Pantheon Report

Generated at 2018-01-26 10:03:22 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

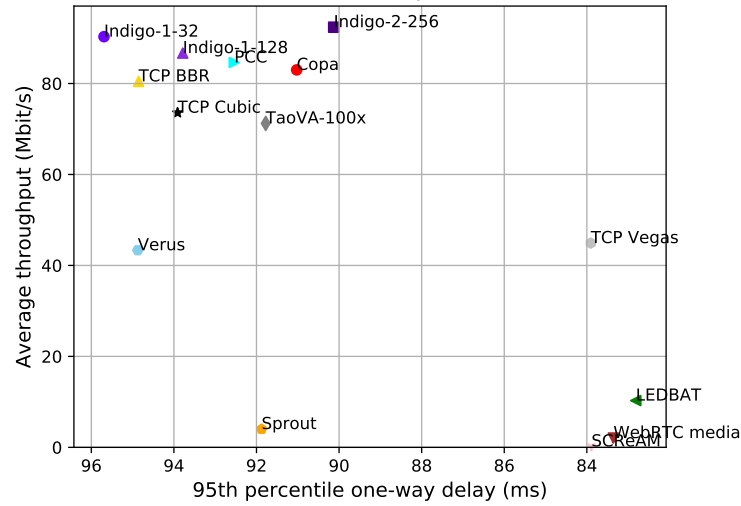Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

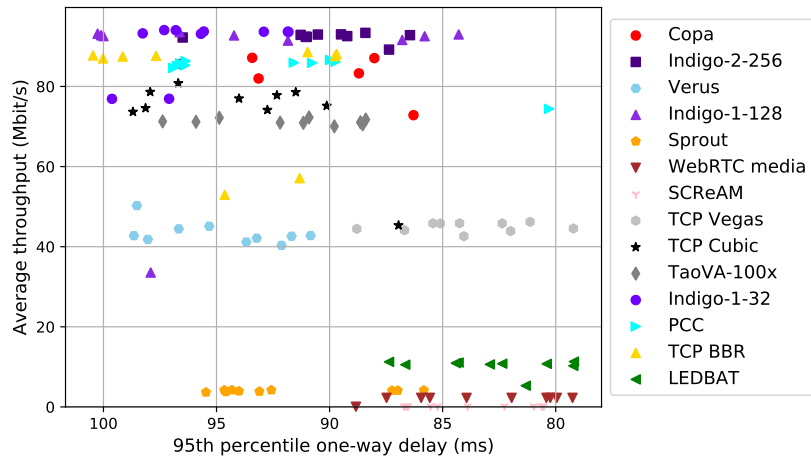NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
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 Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

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

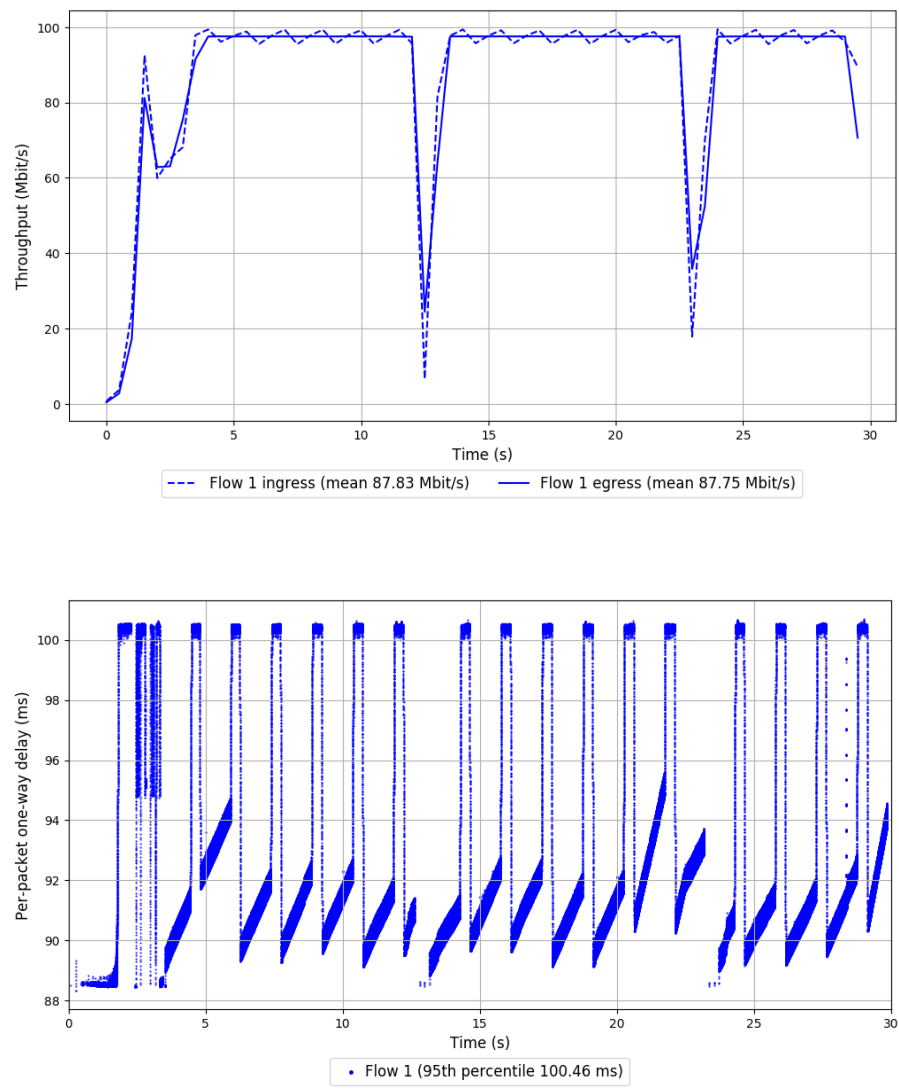| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	9	80.46	94.85	1.94
TCP Cubic	10	73.57	93.91	0.61
LEDBAT	10	10.28	82.81	1.17
PCC	10	84.61	92.54	0.85
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.22	83.89	0.51
WebRTC media	10	2.05	83.36	0.64
Sprout	10	4.02	91.88	0.64
TaoVA-100x	10	71.22	91.78	0.71
TCP Vegas	10	44.91	83.90	0.68
Verus	10	43.34	94.88	0.19
Copa	6	83.00	91.03	2.58
Indigo-2-256	10	92.38	90.13	0.65
Indigo-1-32	10	90.30	95.69	4.19
Indigo-1-128	10	86.69	93.79	0.69

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-25 20:33:56
End at: 2018-01-25 20:34:26
Local clock offset: 1.255 ms
Remote clock offset: -6.329 ms
```

Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-01-25 20:53:34
End at: 2018-01-25 20:54:04
Local clock offset: 1.127 ms
Remote clock offset: -5.726 ms


# Below is generated by plot.py at 2018-01-26 09:49:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 97.673 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 97.673 ms
Loss rate: 0.71%
```

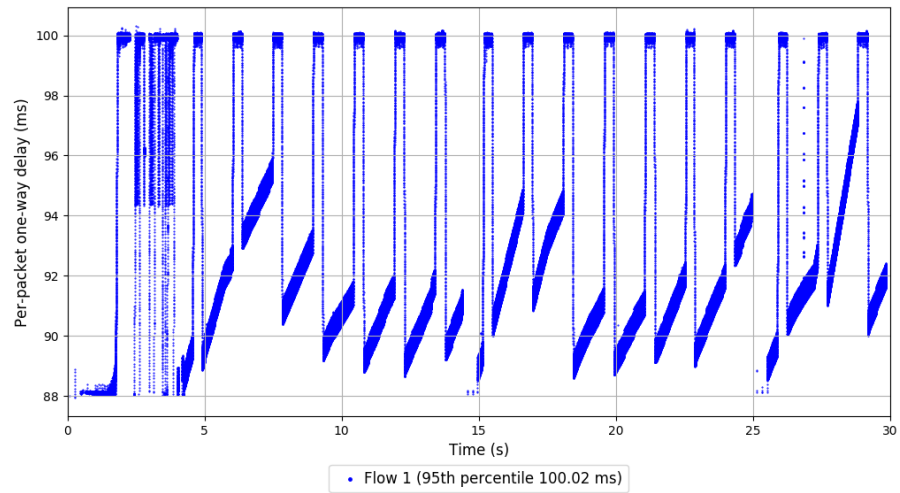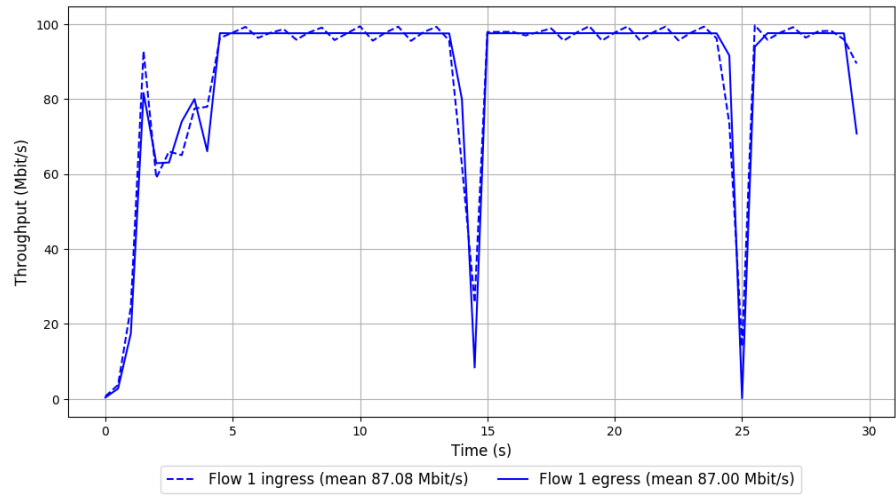Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 87.74 Mbit/s)   Flow 1 egress (mean 87.65 Mbit/s)

Flow 1 (95th percentile 97.67 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-01-25 21:13:12
End at: 2018-01-25 21:13:42
Local clock offset: 0.953 ms
Remote clock offset: -6.443 ms


# Below is generated by plot.py at 2018-01-26 09:49:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 100.459 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 100.459 ms
Loss rate: 0.70%
```
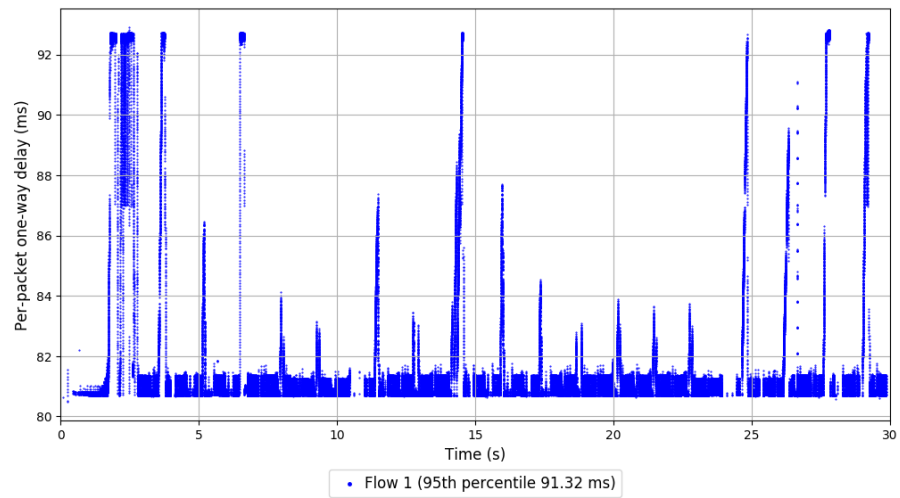
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 87.83 Mbit/s)   Flow 1 egress (mean 87.75 Mbit/s)

• Flow 1 (95th percentile 100.46 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-01-25 21:32:48
End at: 2018-01-25 21:33:18
Local clock offset: 0.724 ms
Remote clock offset: -6.308 ms


# Below is generated by plot.py at 2018-01-26 09:49:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 100.021 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 100.021 ms
Loss rate: 0.70%
```
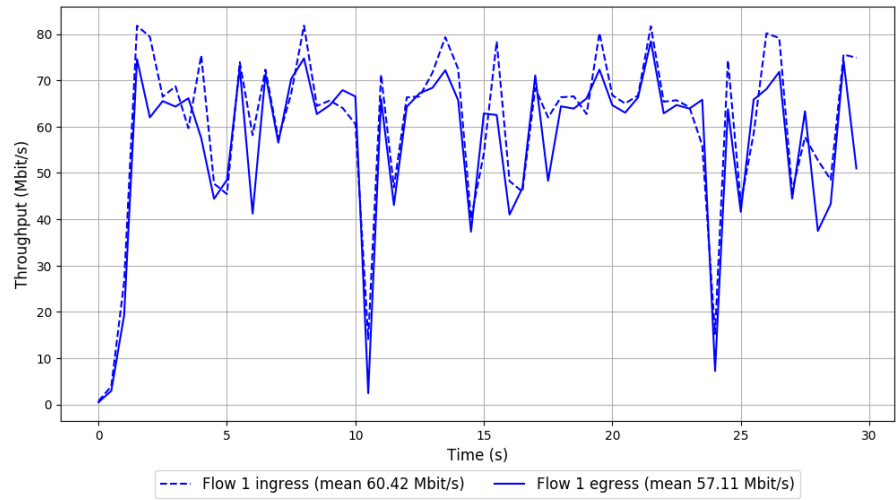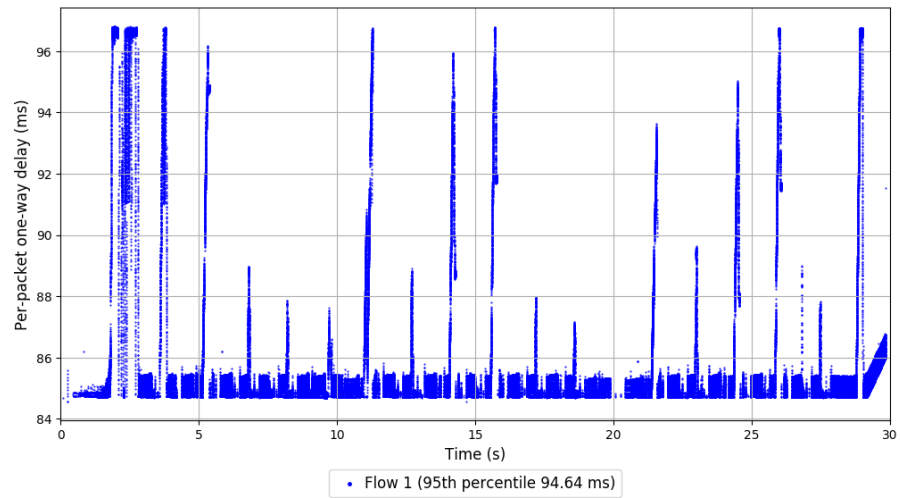
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 87.08 Mbit/s)   Flow 1 egress (mean 87.00 Mbit/s)

Flow 1 (95th percentile 100.02 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-01-25 21:52:31
End at: 2018-01-25 21:53:01
Local clock offset: 0.605 ms
Remote clock offset: -0.5 ms


# Below is generated by plot.py at 2018-01-26 09:49:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 91.323 ms
Loss rate: 6.05%
-- Flow 1:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 91.323 ms
Loss rate: 6.05%
```
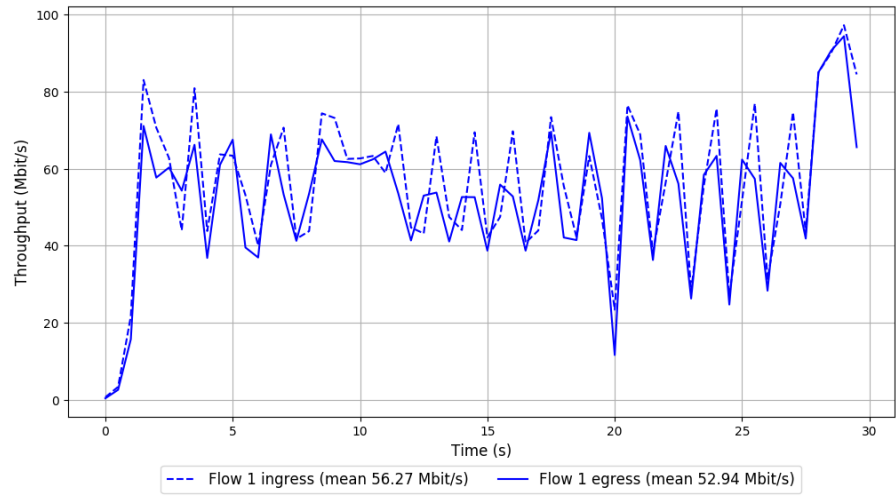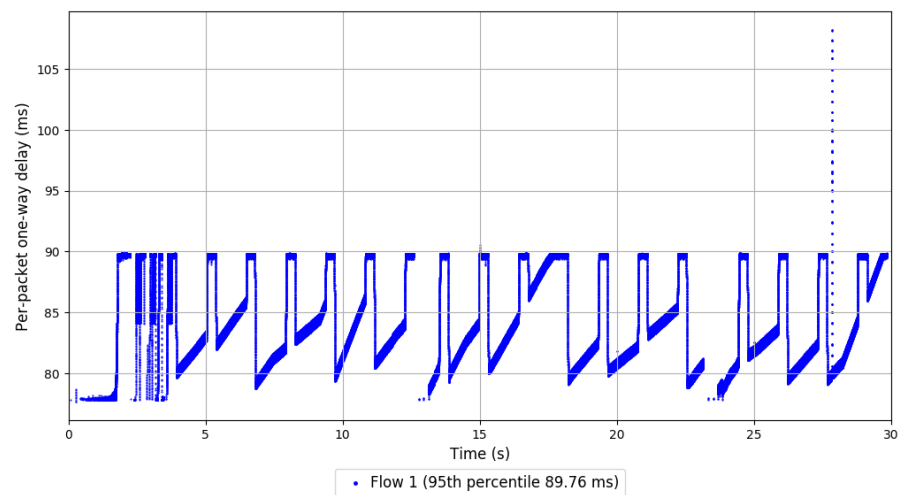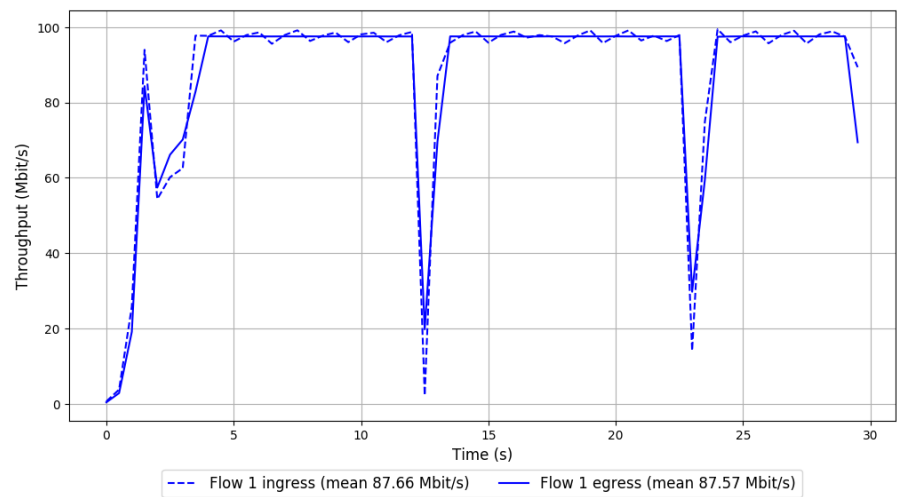
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 60.42 Mbit/s) ----- Flow 1 egress (mean 57.11 Mbit/s)

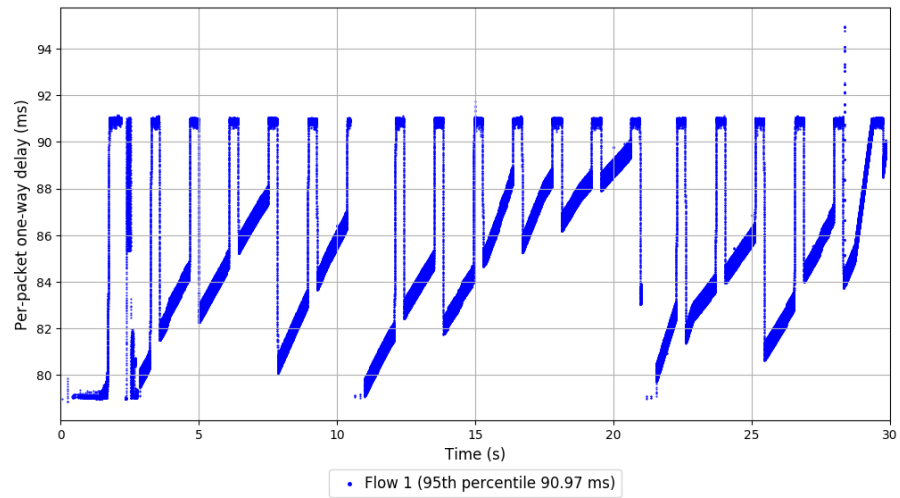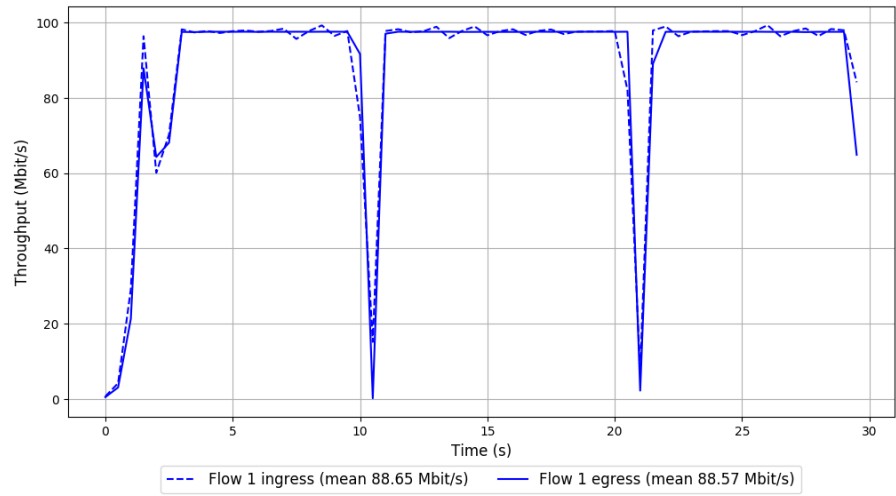• Flow 1 (95th percentile 91.32 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: 2018-01-25 22:12:16
End at: 2018-01-25 22:12:46
Local clock offset: 0.5 ms
Remote clock offset: -5.769 ms


# Below is generated by plot.py at 2018-01-26 09:49:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 94.636 ms
Loss rate: 6.46%
-- Flow 1:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 94.636 ms
Loss rate: 6.46%
```

Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 56.27 Mbit/s)   Flow 1 egress (mean 52.94 Mbit/s)

• Flow 1 (95th percentile 94.64 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-01-25 22:31:57
End at: 2018-01-25 22:32:27
Local clock offset: 0.472 ms
Remote clock offset: 0.571 ms


# Below is generated by plot.py at 2018-01-26 09:49:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 89.762 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 89.762 ms
Loss rate: 0.71%
```

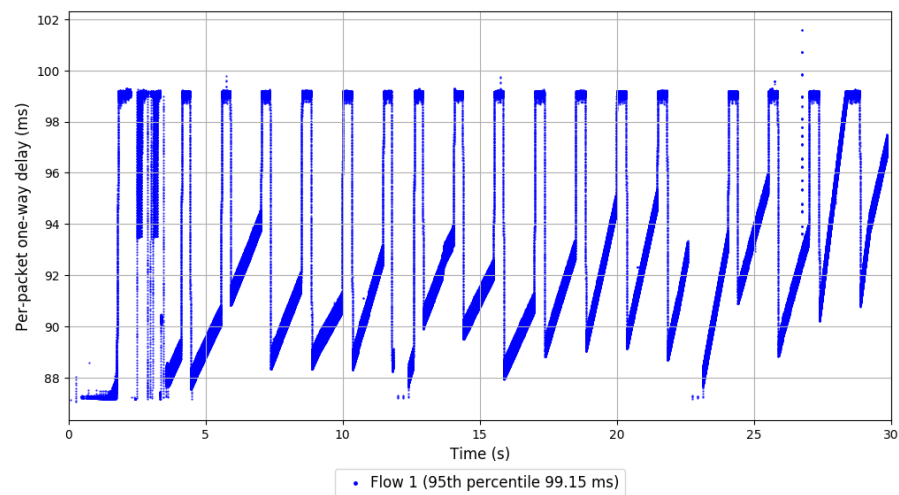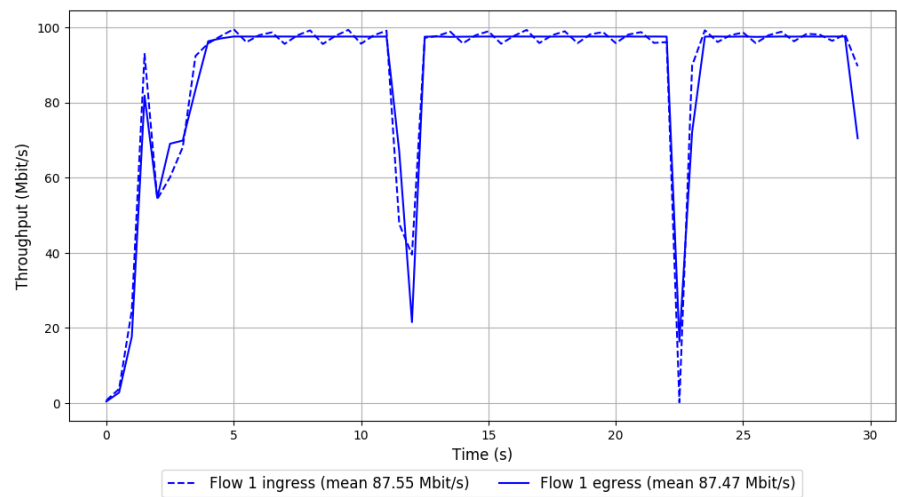Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 87.66 Mbit/s) Flow 1 egress (mean 87.57 Mbit/s)

Flow 1 (95th percentile 89.76 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2018-01-25 22:51:39
End at: 2018-01-25 22:52:09
Local clock offset: 0.371 ms
Remote clock offset: -0.452 ms


# Below is generated by plot.py at 2018-01-26 09:49:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 90.972 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 90.972 ms
Loss rate: 0.70%
```
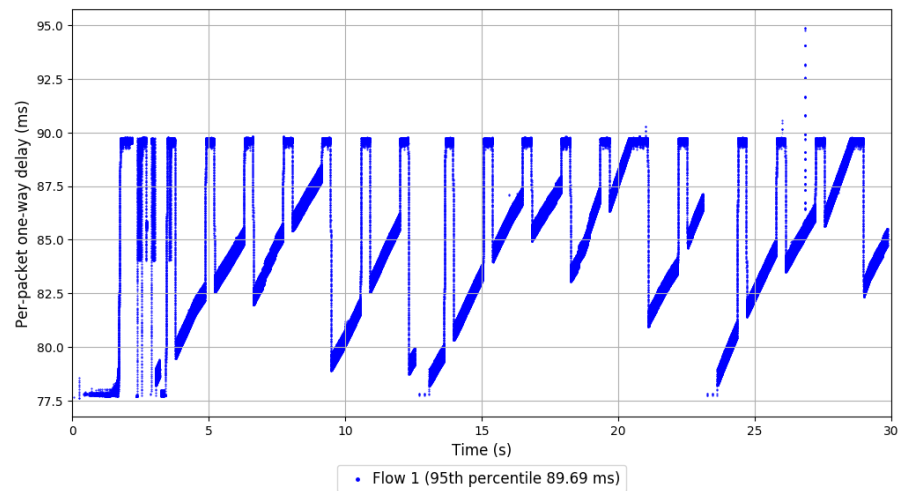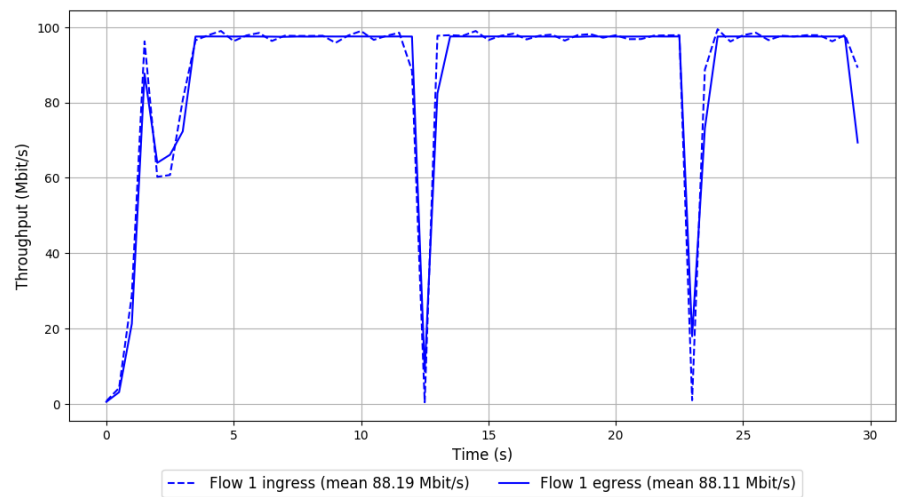
Run 8: Report of TCP BBR — Data Link

```
Run 9: Statistics of TCP BBR

Start at: 2018-01-25 23:11:29
End at: 2018-01-25 23:11:59
Local clock offset: 0.319 ms
Remote clock offset: -5.457 ms


# Below is generated by plot.py at 2018-01-26 09:49:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 99.148 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 99.148 ms
Loss rate: 0.72%
```
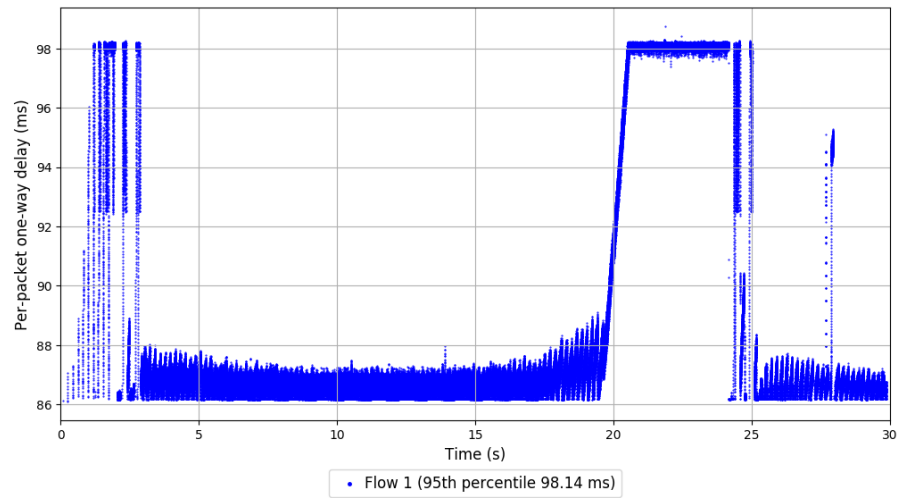
Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2018-01-25 23:31:10
End at: 2018-01-25 23:31:41
Local clock offset: 0.248 ms
Remote clock offset: 0.219 ms


# Below is generated by plot.py at 2018-01-26 09:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 89.693 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 89.693 ms
Loss rate: 0.69%
```
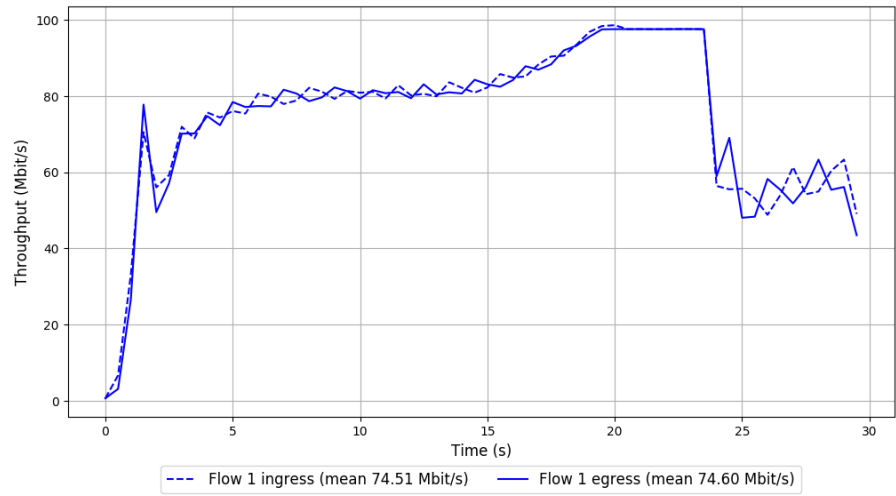
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-25 20:46:07
End at: 2018-01-25 20:46:37
Local clock offset: 1.129 ms
Remote clock offset: -6.67 ms


# Below is generated by plot.py at 2018-01-26 09:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 98.138 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 98.138 ms
Loss rate: 0.49%
```
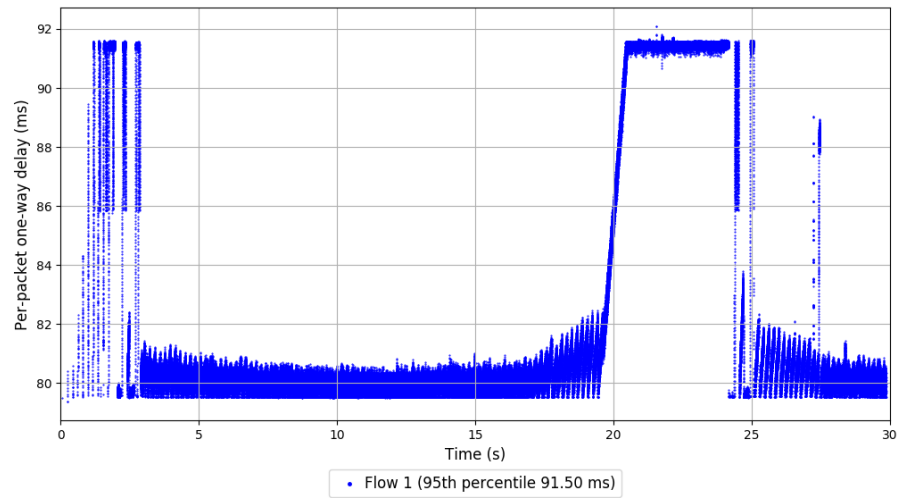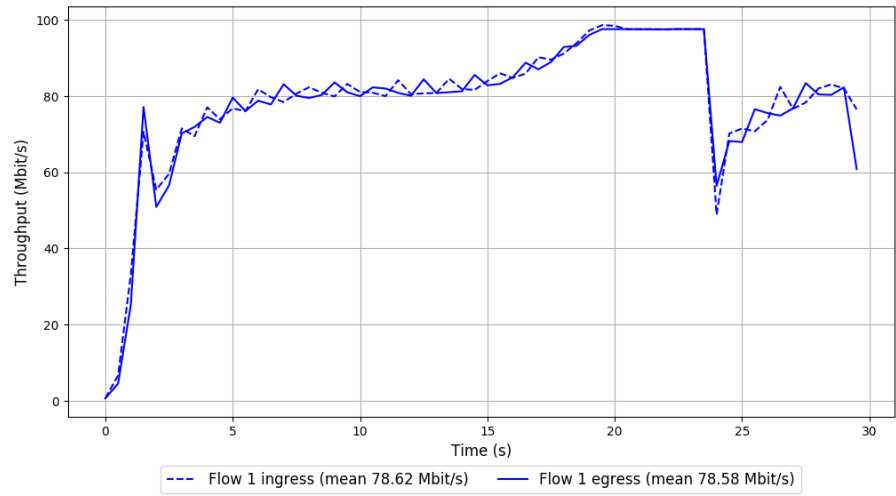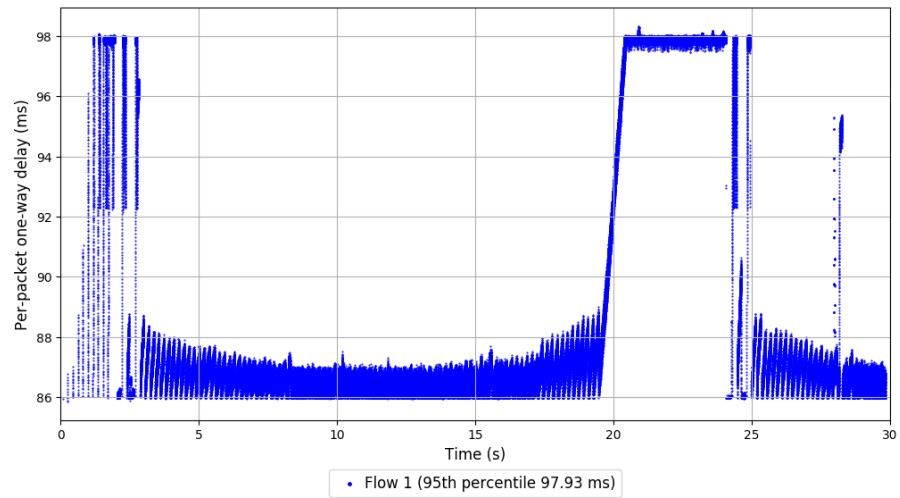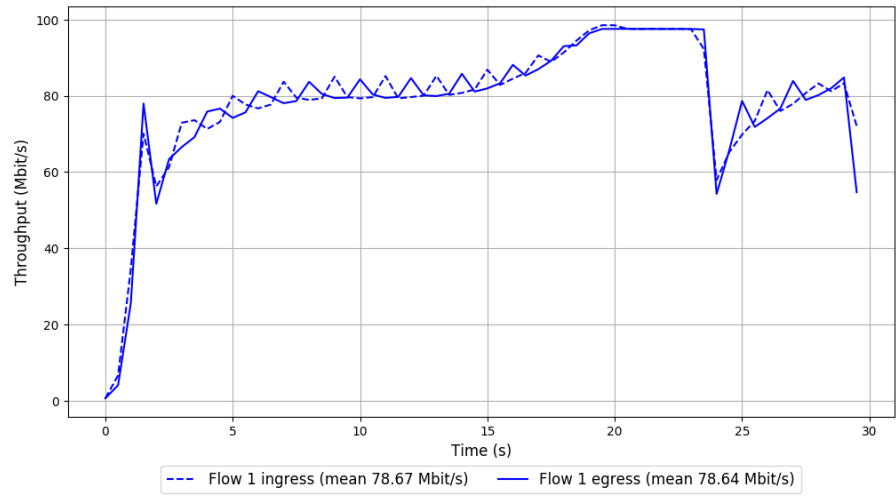
Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 74.51 Mbit/s)   —— Flow 1 egress (mean 74.60 Mbit/s)

• Flow 1 (95th percentile 98.14 ms)

```
Run 2: Statistics of TCP Cubic

Start at: 2018-01-25 21:05:51
End at: 2018-01-25 21:06:21
Local clock offset: 0.993 ms
Remote clock offset: 0.174 ms


# Below is generated by plot.py at 2018-01-26 09:50:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 91.495 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 91.495 ms
Loss rate: 0.64%
```
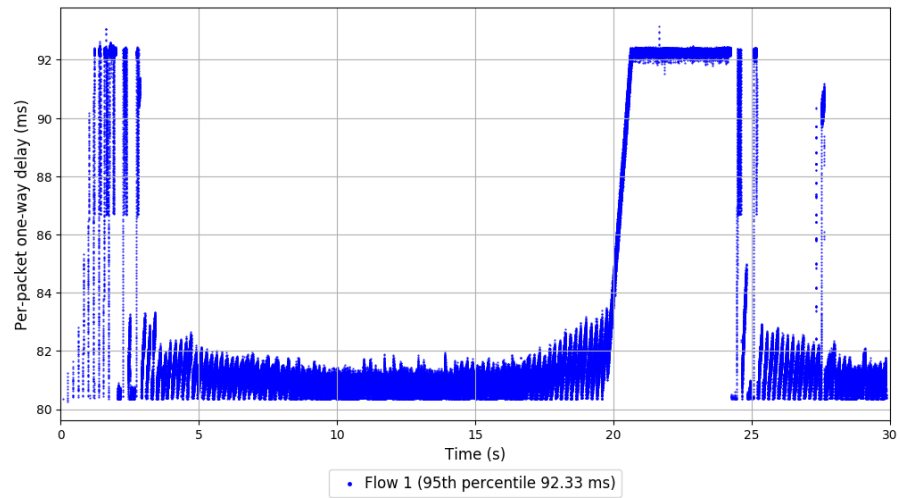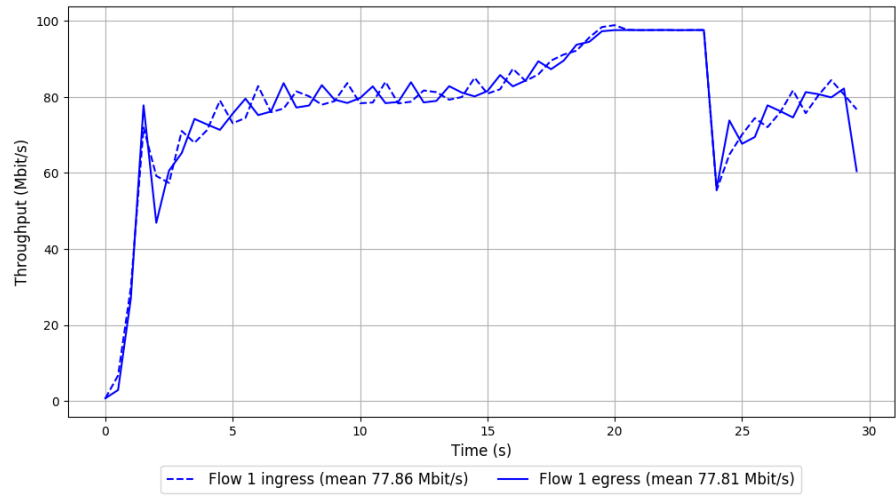
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2018-01-25 21:25:29
End at: 2018-01-25 21:25:59
Local clock offset: 0.787 ms
Remote clock offset: -5.373 ms


# Below is generated by plot.py at 2018-01-26 09:50:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 97.933 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 97.933 ms
Loss rate: 0.65%
```
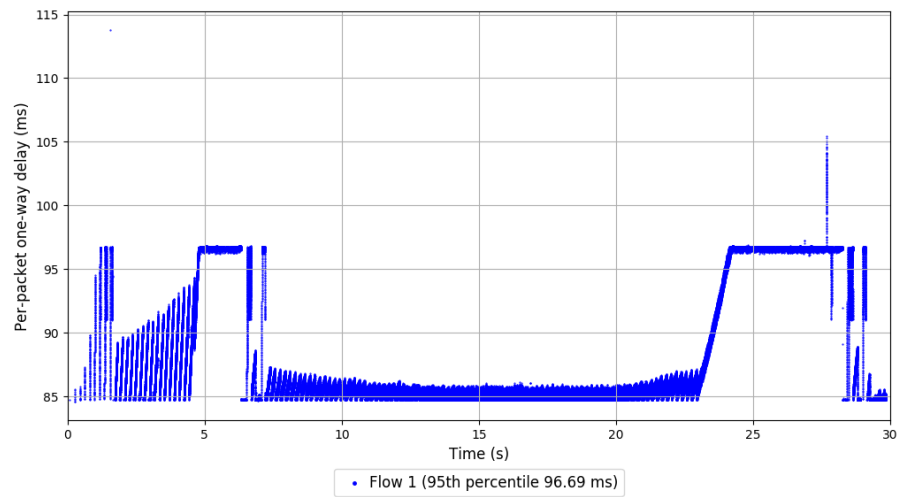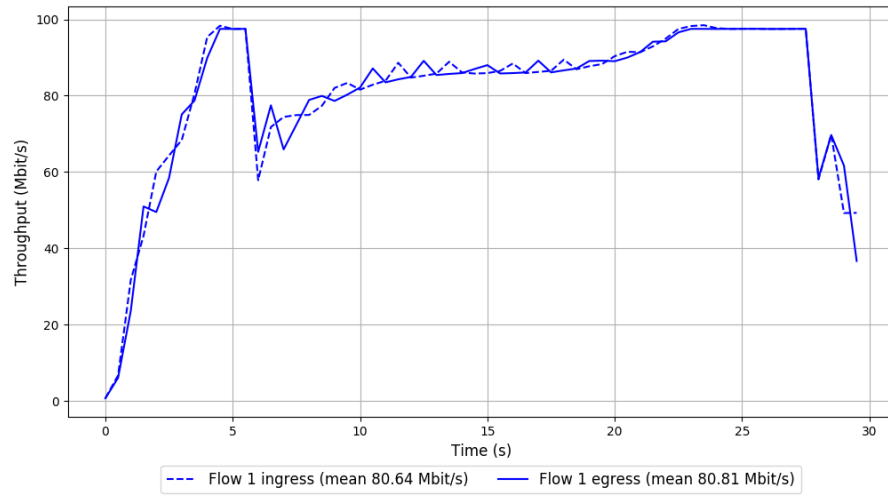
Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2018-01-25 21:45:05
End at: 2018-01-25 21:45:35
Local clock offset: 0.644 ms
Remote clock offset: -1.525 ms


# Below is generated by plot.py at 2018-01-26 09:50:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 92.329 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 92.329 ms
Loss rate: 0.65%
```
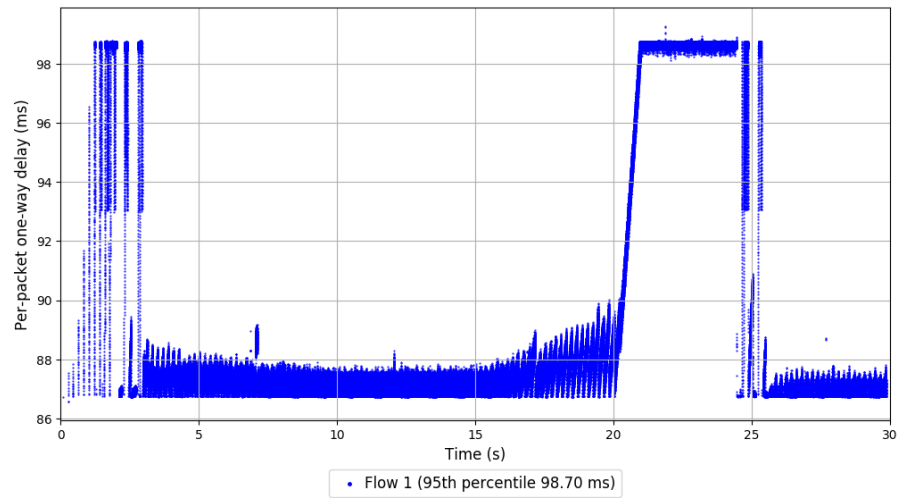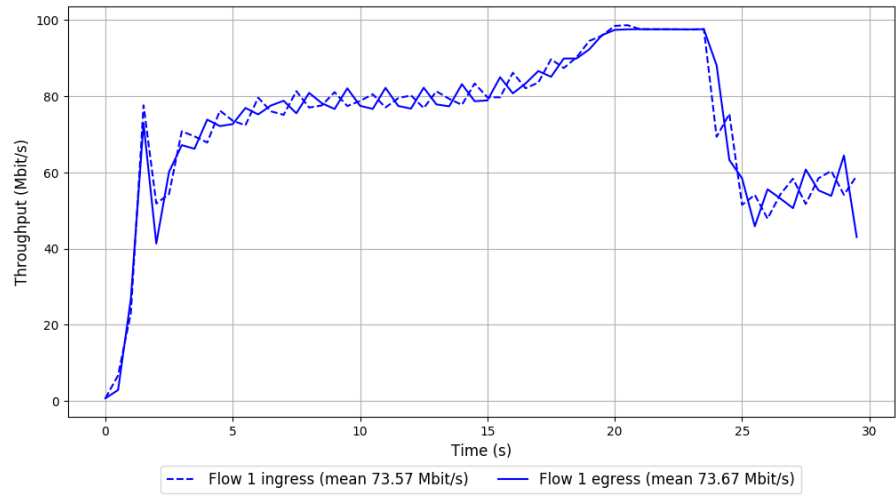
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2018-01-25 22:04:57
End at: 2018-01-25 22:05:27
Local clock offset: 0.457 ms
Remote clock offset: -5.875 ms


# Below is generated by plot.py at 2018-01-26 09:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: 96.692 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: 96.692 ms
Loss rate: 0.39%
```
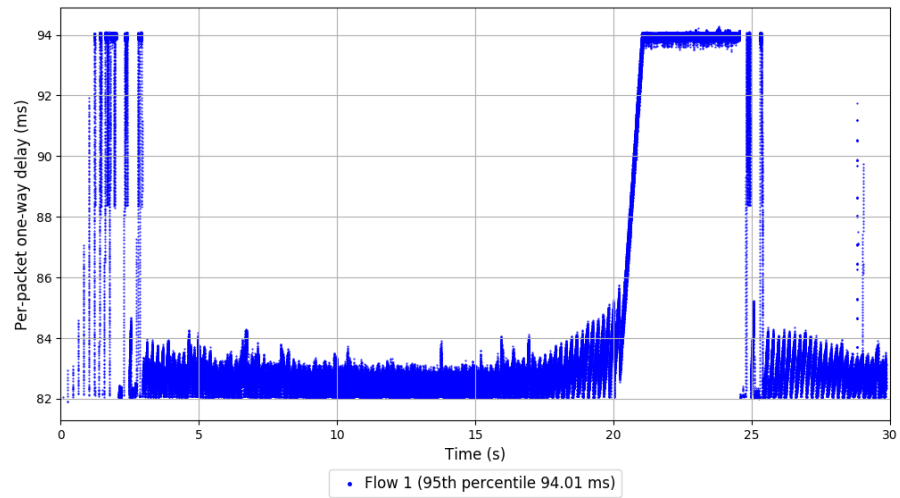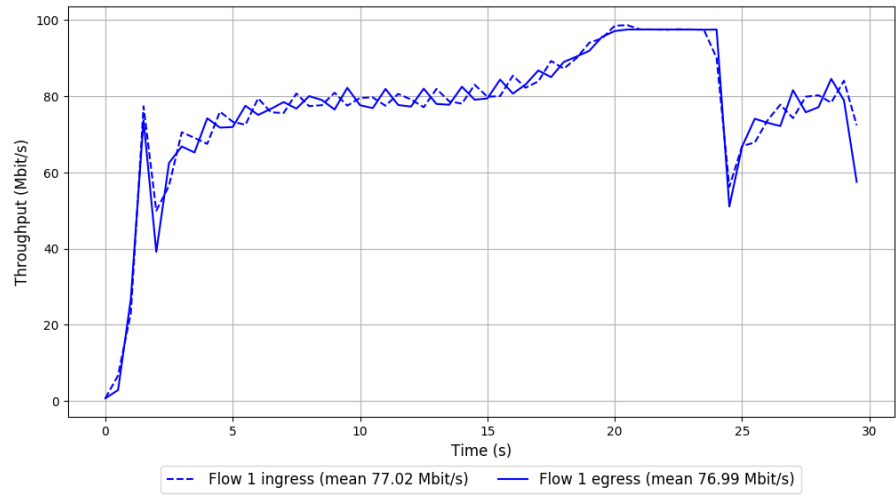
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 80.64 Mbit/s)   Flow 1 egress (mean 80.81 Mbit/s)

Flow 1 (95th percentile 96.69 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2018-01-25 22:24:31
End at: 2018-01-25 22:25:01
Local clock offset: 0.476 ms
Remote clock offset: -5.012 ms


# Below is generated by plot.py at 2018-01-26 09:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 98.696 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 98.696 ms
Loss rate: 0.48%
```

Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 73.57 Mbit/s)   Flow 1 egress (mean 73.67 Mbit/s)
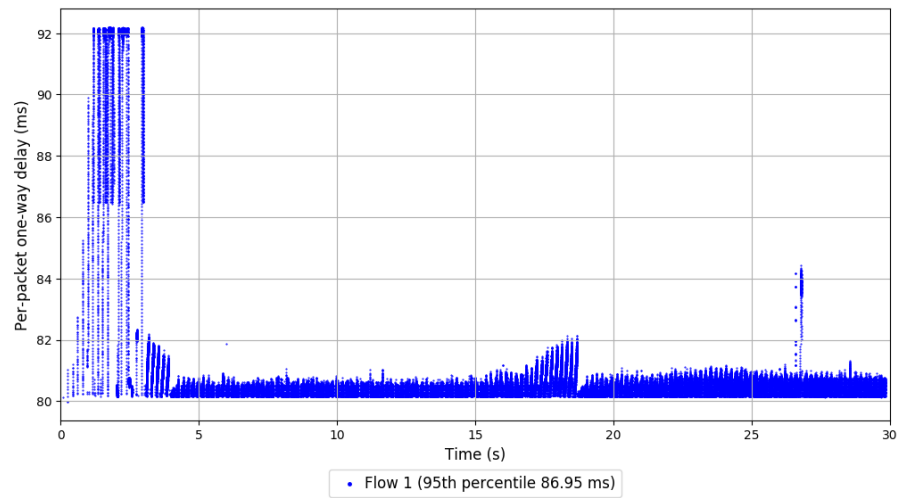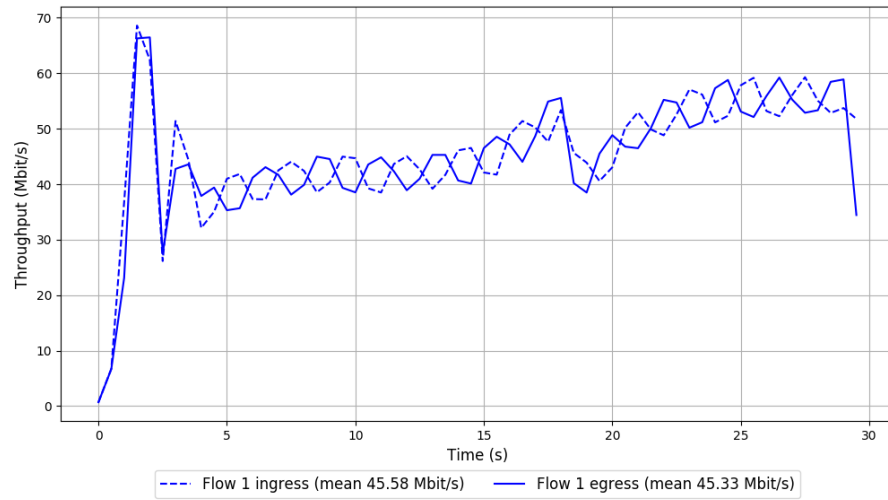

Flow 1 (95th percentile 98.70 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-01-25 22:44:13
End at: 2018-01-25 22:44:43
Local clock offset: 0.398 ms
Remote clock offset: -0.349 ms


# Below is generated by plot.py at 2018-01-26 09:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 94.006 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 94.006 ms
Loss rate: 0.65%
```

Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 77.02 Mbit/s)   Flow 1 egress (mean 76.99 Mbit/s)
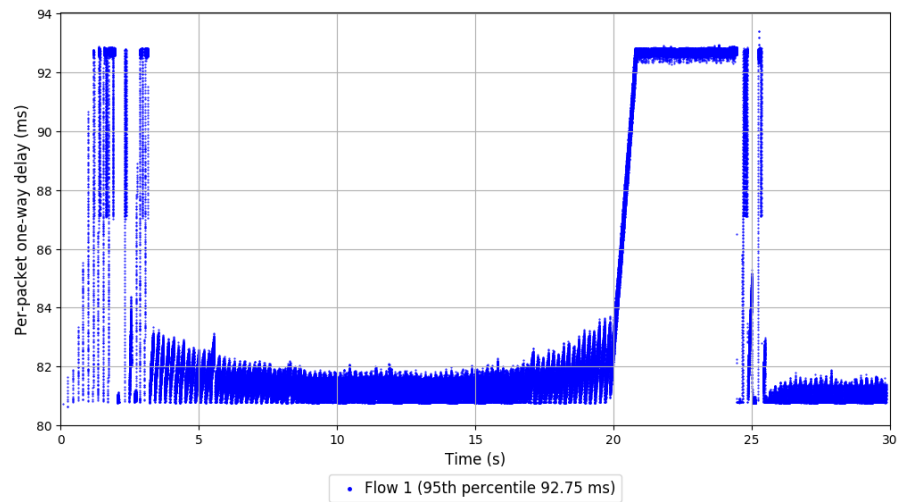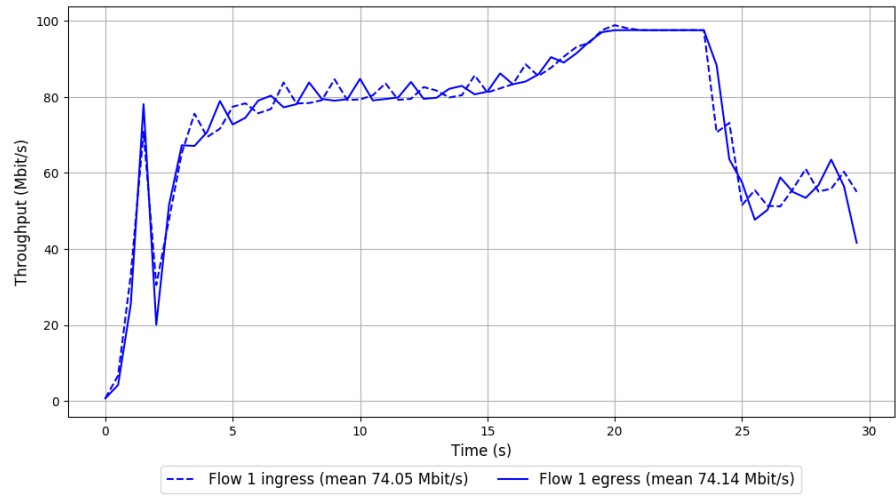

Flow 1 (95th percentile 94.01 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-01-25 23:04:11
End at: 2018-01-25 23:04:41
Local clock offset: 0.33 ms
Remote clock offset: -0.436 ms


# Below is generated by plot.py at 2018-01-26 09:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 86.951 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 86.951 ms
Loss rate: 1.15%
```

Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2018-01-25 23:23:42
End at: 2018-01-25 23:24:12
Local clock offset: 0.265 ms
Remote clock offset: -0.675 ms


# Below is generated by plot.py at 2018-01-26 09:50:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 92.750 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 92.750 ms
Loss rate: 0.48%
```
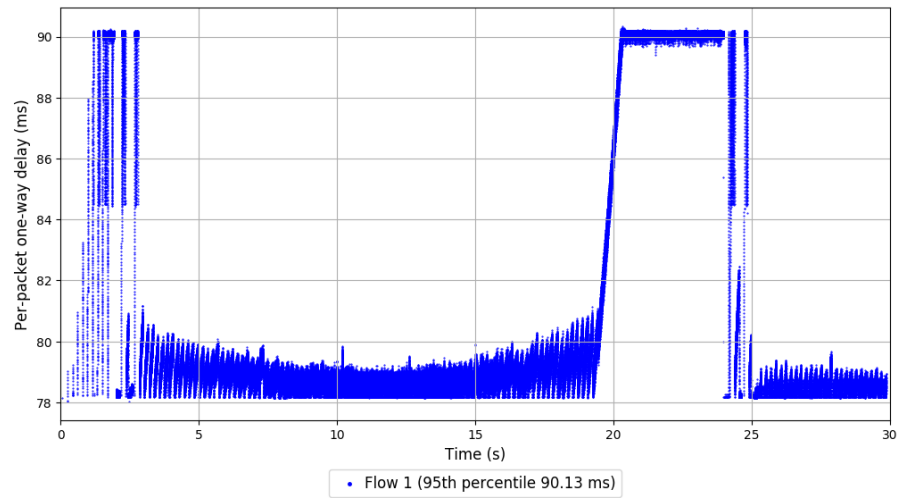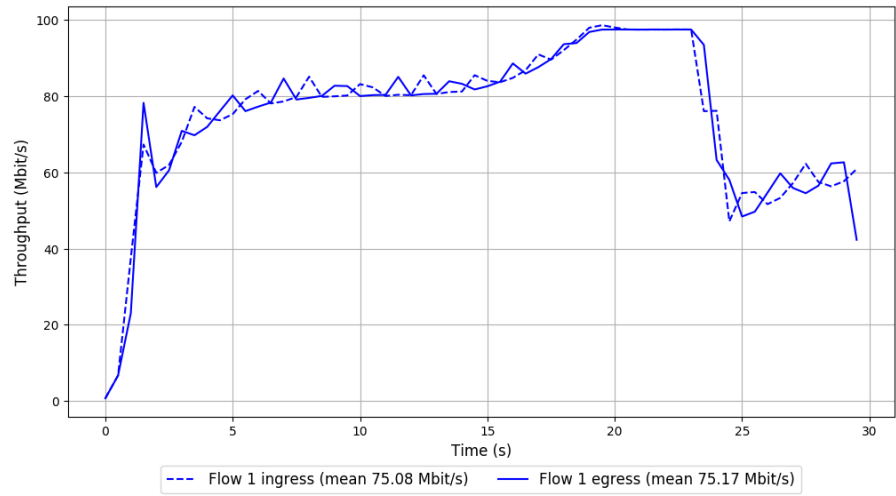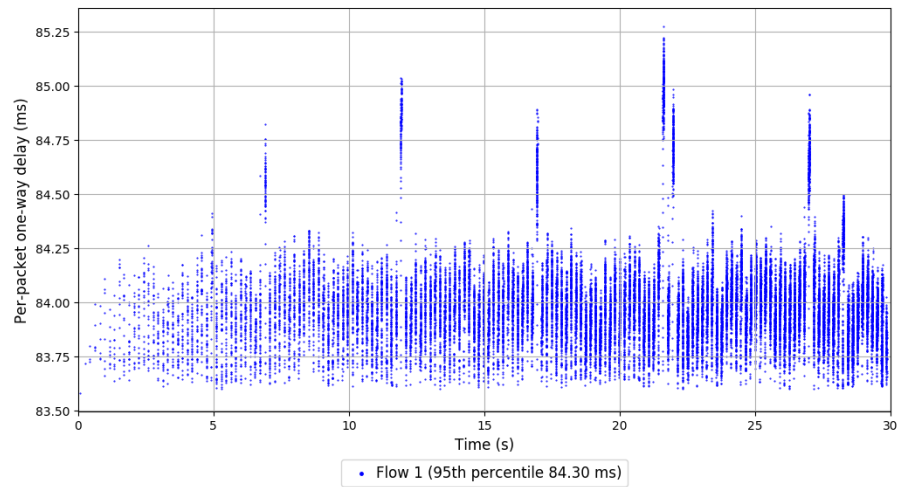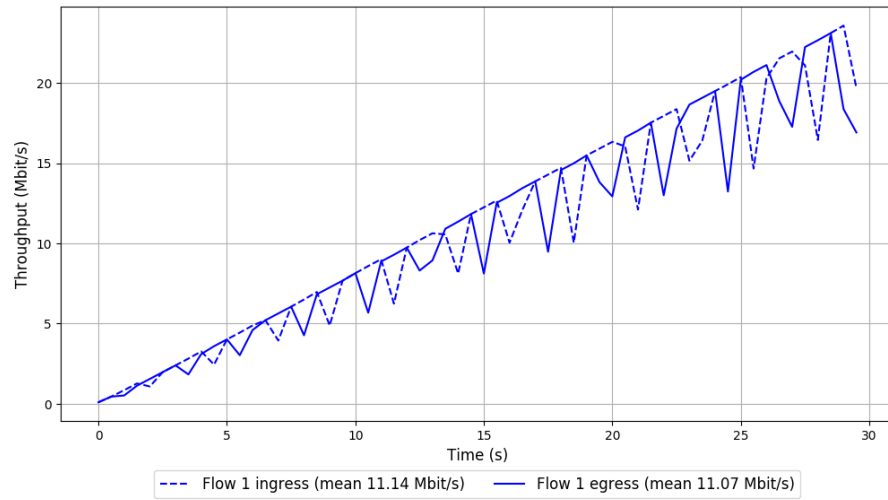
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 74.05 Mbit/s) --- Flow 1 egress (mean 74.14 Mbit/s)

Flow 1 (95th percentile 92.75 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2018-01-25 23:43:27
End at: 2018-01-25 23:43:57
Local clock offset: 0.297 ms
Remote clock offset: 0.103 ms


# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 90.126 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 90.126 ms
Loss rate: 0.48%
```
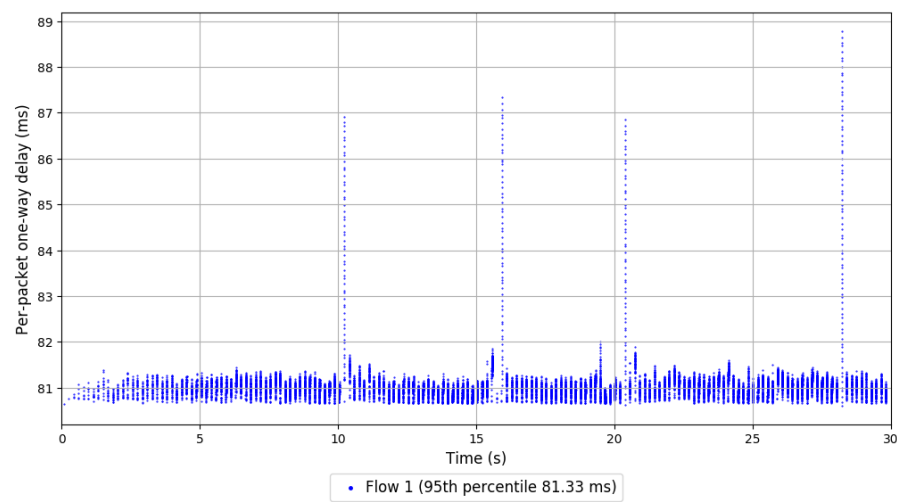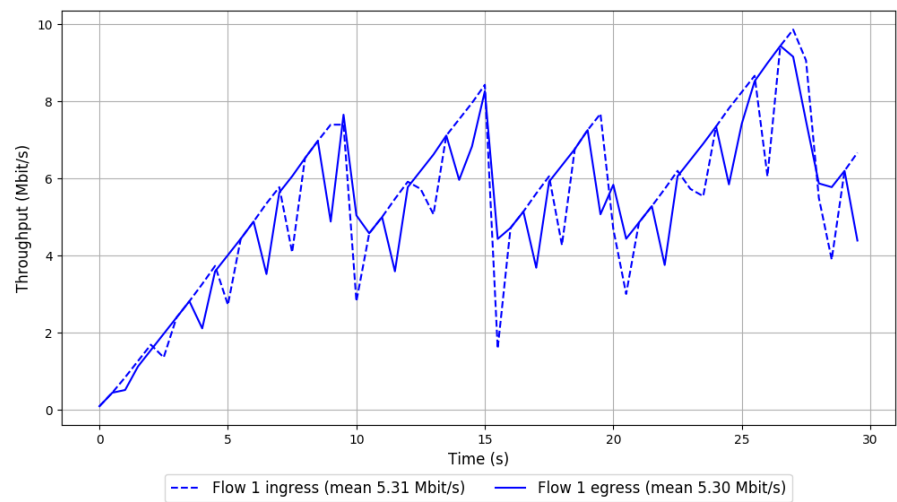
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2018-01-25 20:43:39
End at: 2018-01-25 20:44:09
Local clock offset: 1.163 ms
Remote clock offset: -5.401 ms


# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 84.295 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 84.295 ms
Loss rate: 1.19%
```

Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 11.14 Mbit/s)   Flow 1 egress (mean 11.07 Mbit/s)

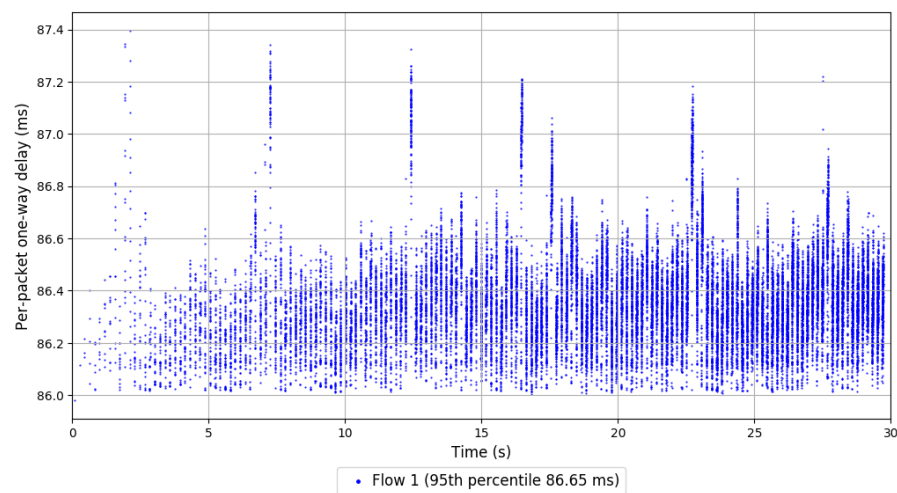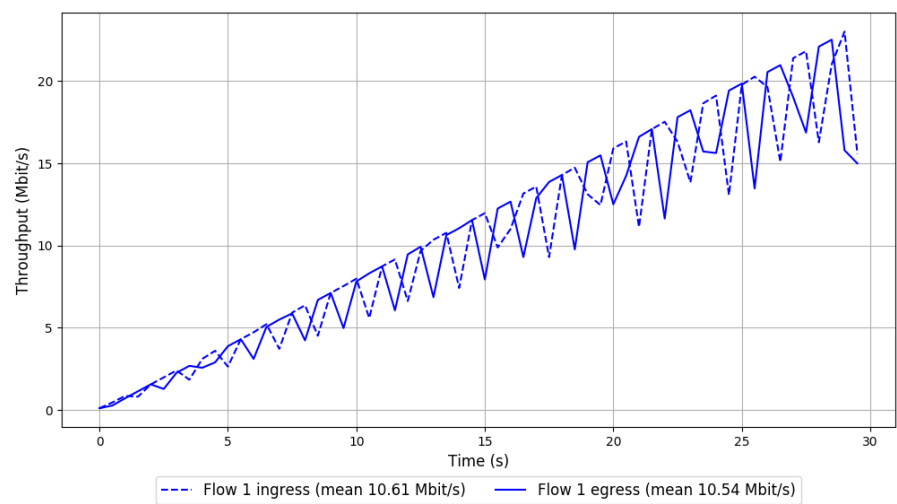Flow 1 (95th percentile 84.30 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2018-01-25 21:03:24
End at: 2018-01-25 21:03:54
Local clock offset: 0.998 ms
Remote clock offset: -0.828 ms


# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 81.326 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 81.326 ms
Loss rate: 0.75%
```
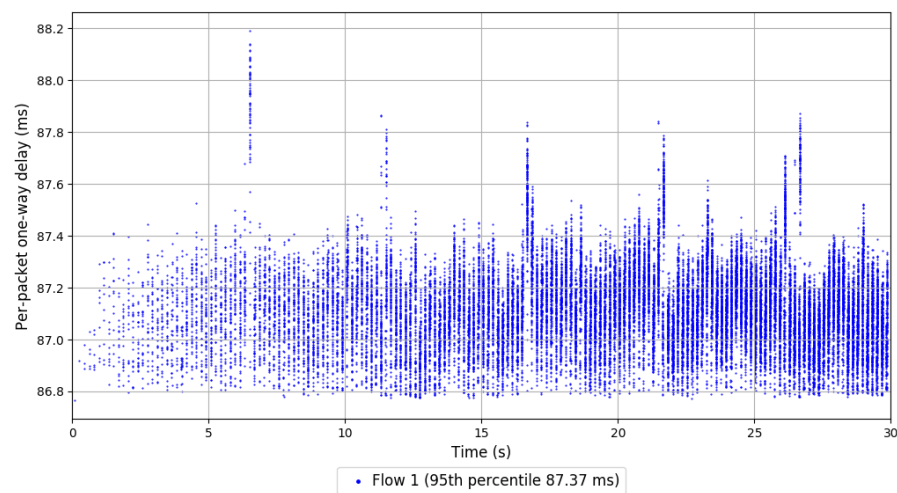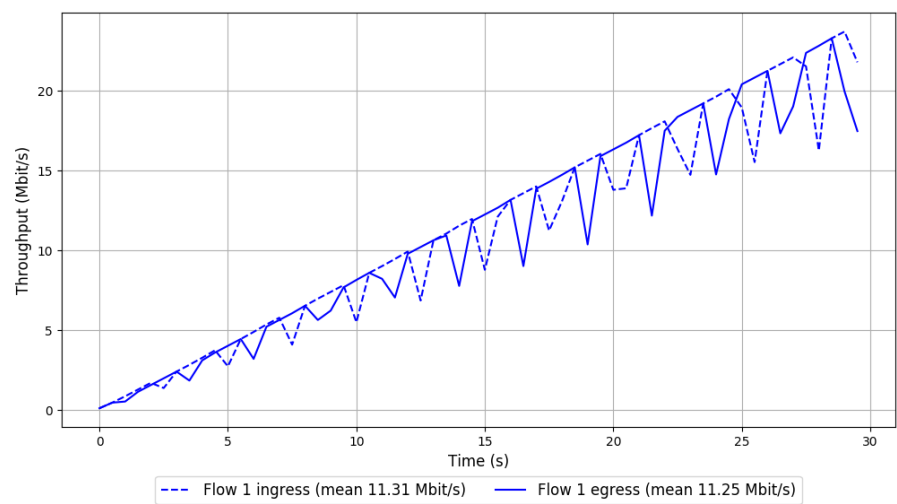
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 5.31 Mbit/s) — Flow 1 egress (mean 5.30 Mbit/s)

• Flow 1 (95th percentile 81.33 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2018-01-25 21:23:01
End at: 2018-01-25 21:23:31
Local clock offset: 0.816 ms
Remote clock offset: -5.408 ms

# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 86.653 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 86.653 ms
Loss rate: 1.23%
```

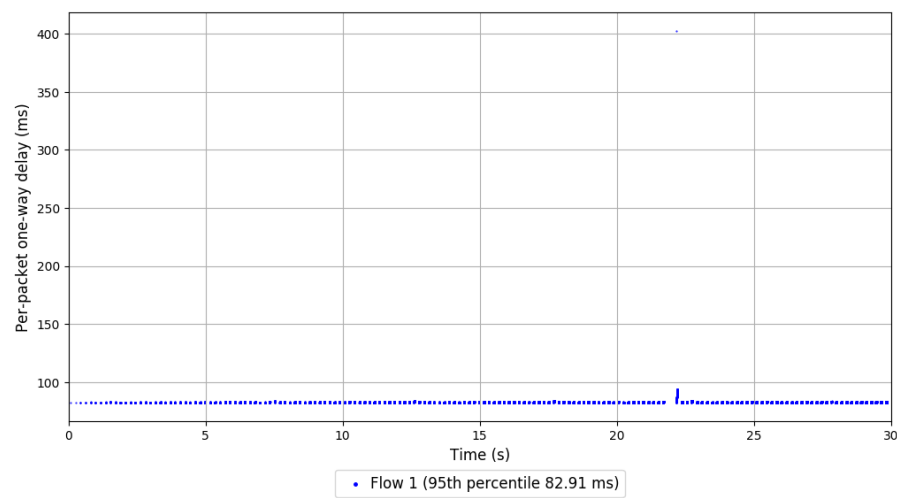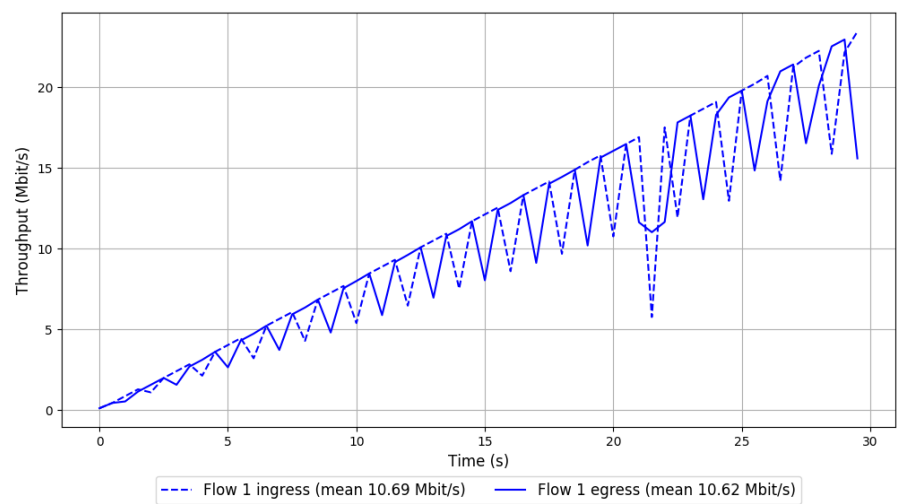Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.61 Mbit/s)   Flow 1 egress (mean 10.54 Mbit/s)

Flow 1 (95th percentile 86.65 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-01-25 21:42:37
End at: 2018-01-25 21:43:07
Local clock offset: 0.657 ms
Remote clock offset: -6.325 ms


# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 87.370 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 87.370 ms
Loss rate: 1.19%
```

Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2018-01-25 22:02:29
End at: 2018-01-25 22:02:59
Local clock offset: 0.545 ms
Remote clock offset: -1.472 ms


# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 82.912 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 82.912 ms
Loss rate: 1.23%
```
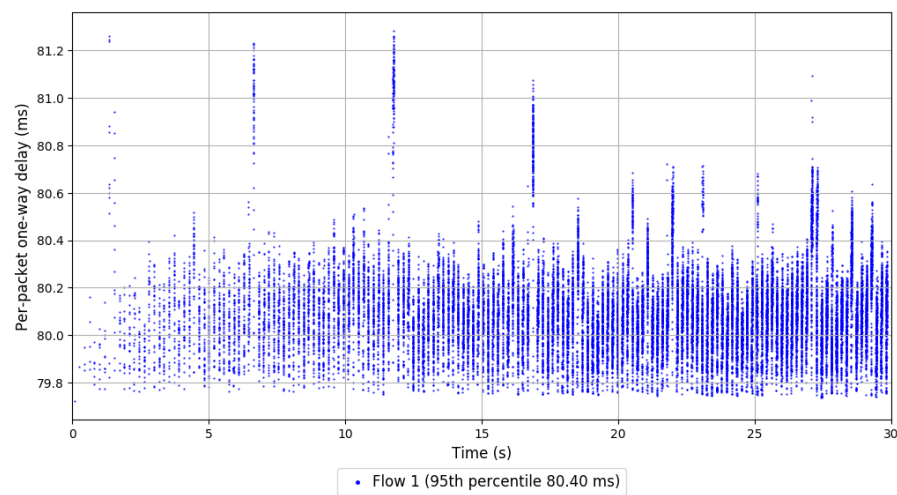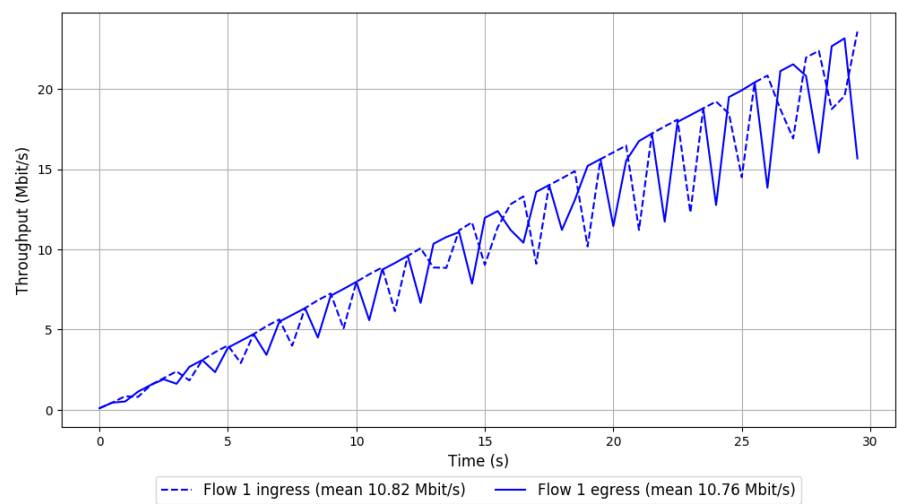
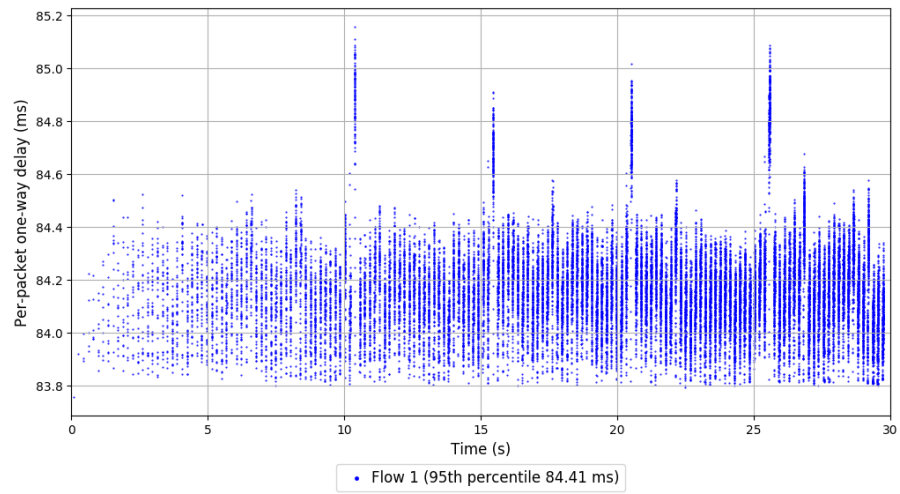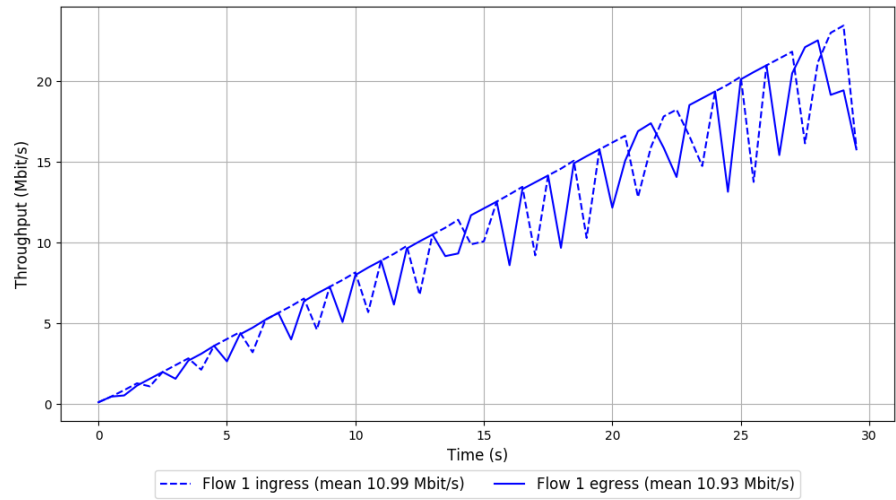Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.69 Mbit/s) ----   Flow 1 egress (mean 10.62 Mbit/s) ——

Flow 1 (95th percentile 82.91 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-01-25 22:22:03
End at: 2018-01-25 22:22:33
Local clock offset: 0.417 ms
Remote clock offset: 0.688 ms

# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 80.396 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 80.396 ms
Loss rate: 1.22%
```
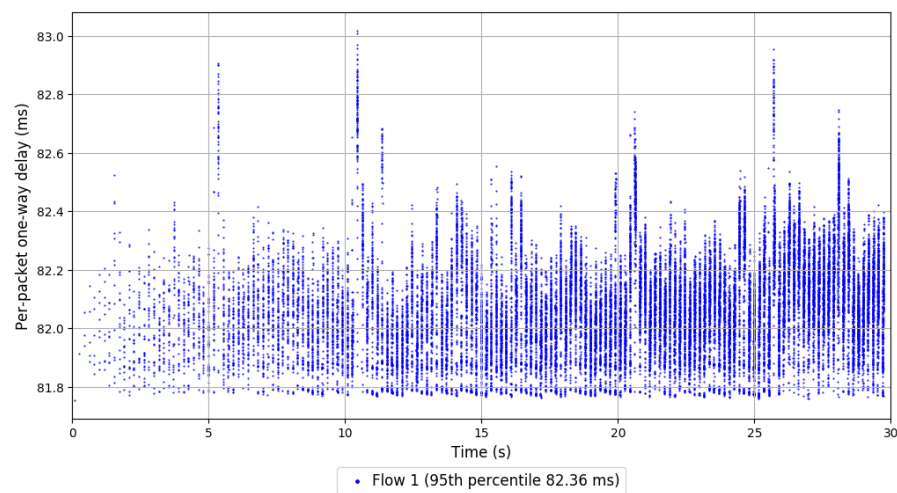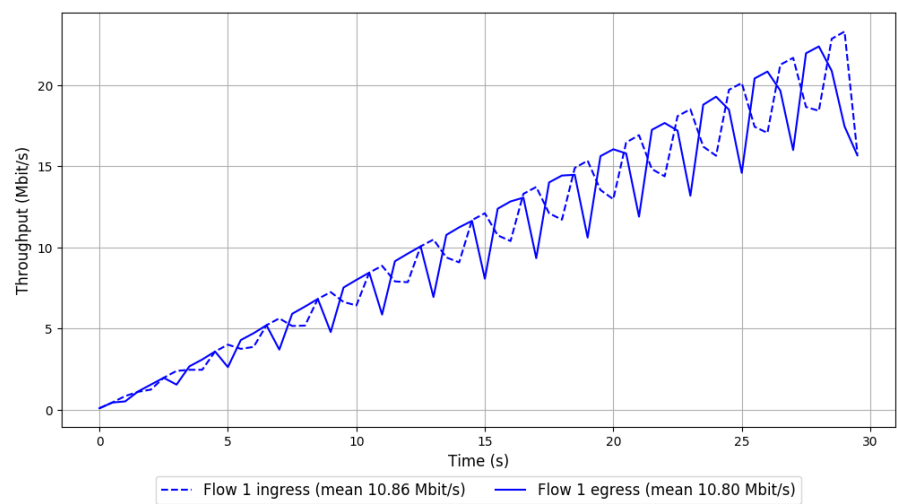
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.82 Mbit/s)   Flow 1 egress (mean 10.76 Mbit/s)

Flow 1 (95th percentile 80.40 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2018-01-25 22:41:45
End at: 2018-01-25 22:42:15
Local clock offset: 0.401 ms
Remote clock offset: -5.202 ms

# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 84.414 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 84.414 ms
Loss rate: 1.21%
```

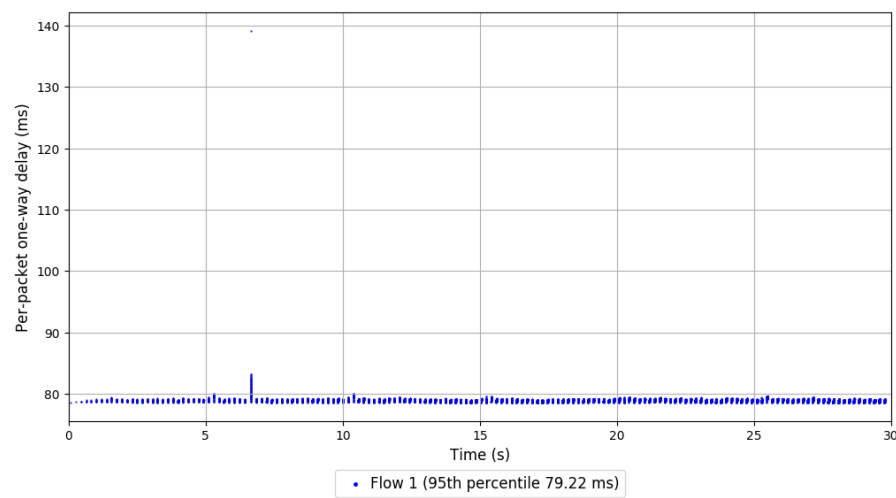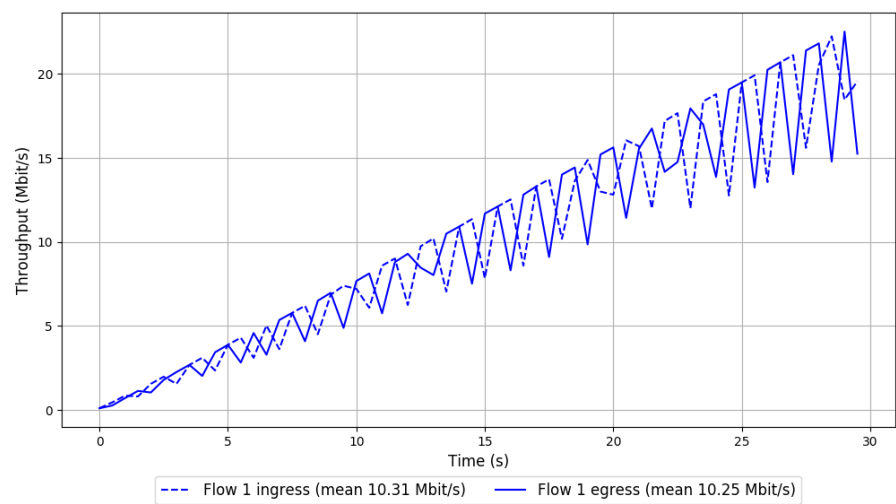Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2018-01-25 23:01:32
End at: 2018-01-25 23:02:03
Local clock offset: 0.378 ms
Remote clock offset: -1.431 ms


# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 82.363 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 82.363 ms
Loss rate: 1.22%
```

Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2018-01-25 23:21:14
End at: 2018-01-25 23:21:44
Local clock offset: 0.297 ms
Remote clock offset: -0.667 ms


# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 79.224 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 79.224 ms
Loss rate: 1.25%
```
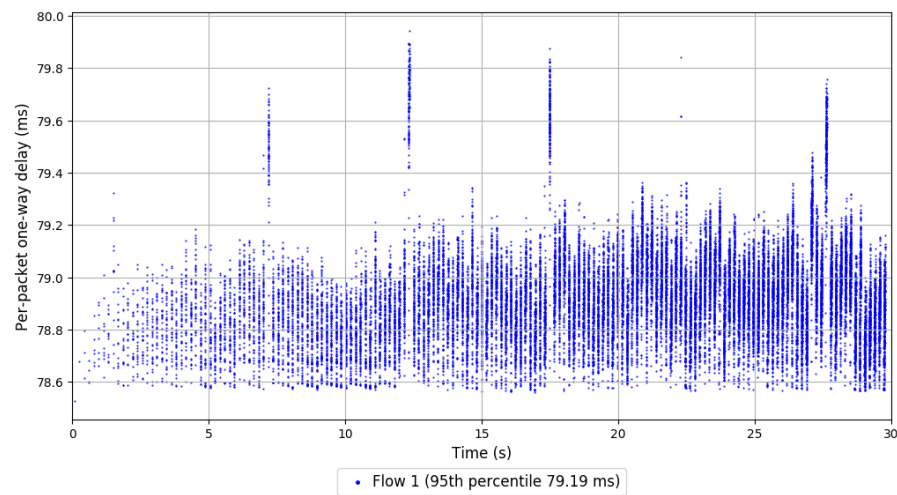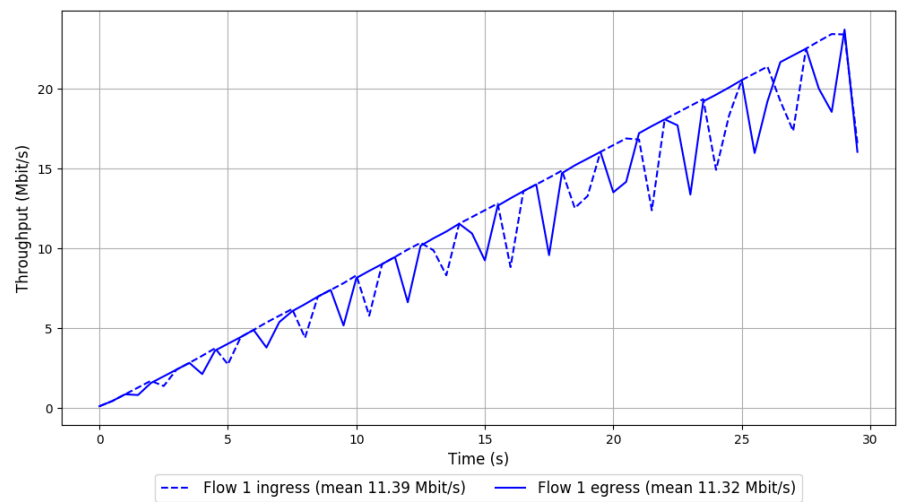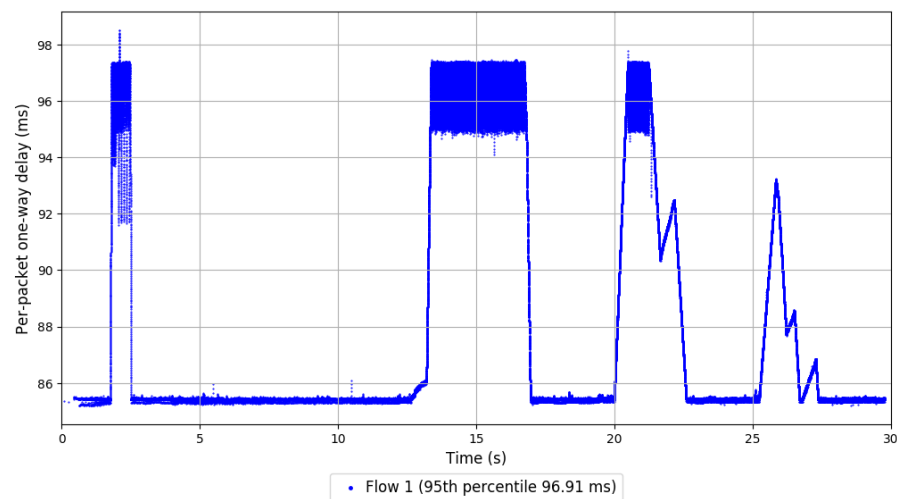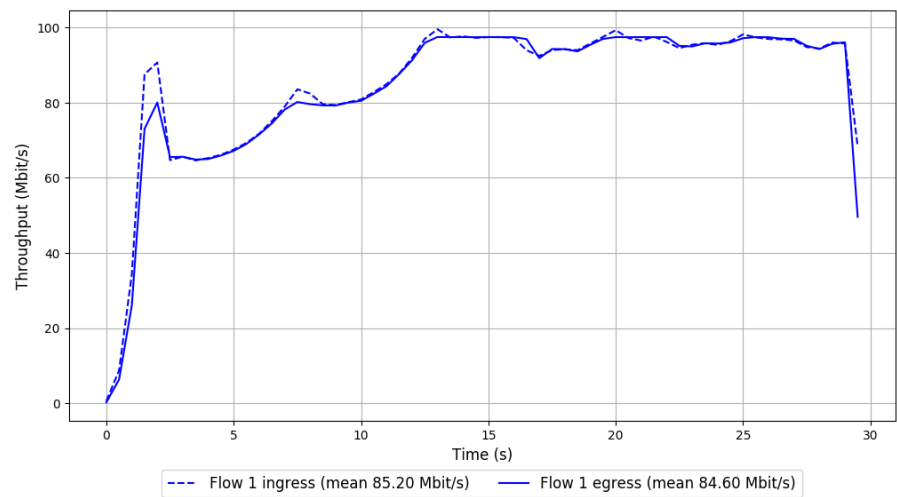
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.31 Mbit/s) ---   Flow 1 egress (mean 10.25 Mbit/s) ——

Flow 1 (95th percentile 79.22 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2018-01-25 23:40:59
End at: 2018-01-25 23:41:29
Local clock offset: 0.299 ms
Remote clock offset: -0.65 ms


# Below is generated by plot.py at 2018-01-26 09:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 79.194 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 79.194 ms
Loss rate: 1.19%
```

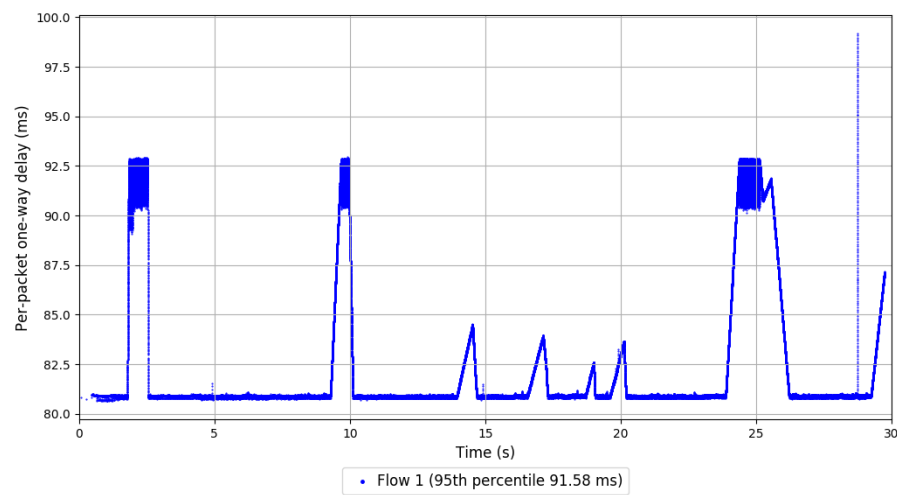Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2018-01-25 20:40:05
End at: 2018-01-25 20:40:35
Local clock offset: 1.268 ms
Remote clock offset: -5.484 ms


# Below is generated by plot.py at 2018-01-26 09:51:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 96.914 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 96.914 ms
Loss rate: 1.29%
```

Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 85.20 Mbit/s)   Flow 1 egress (mean 84.60 Mbit/s)

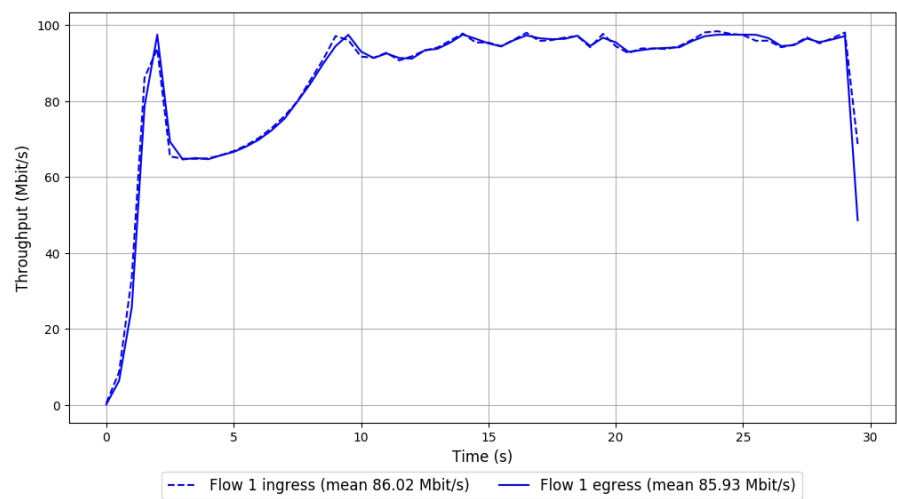Flow 1 (95th percentile 96.91 ms)

```
Run 2: Statistics of PCC

Start at: 2018-01-25 20:59:50
End at: 2018-01-25 21:00:20
Local clock offset: 1.075 ms
Remote clock offset: -0.837 ms


# Below is generated by plot.py at 2018-01-26 09:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 91.583 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 91.583 ms
Loss rate: 0.71%
```
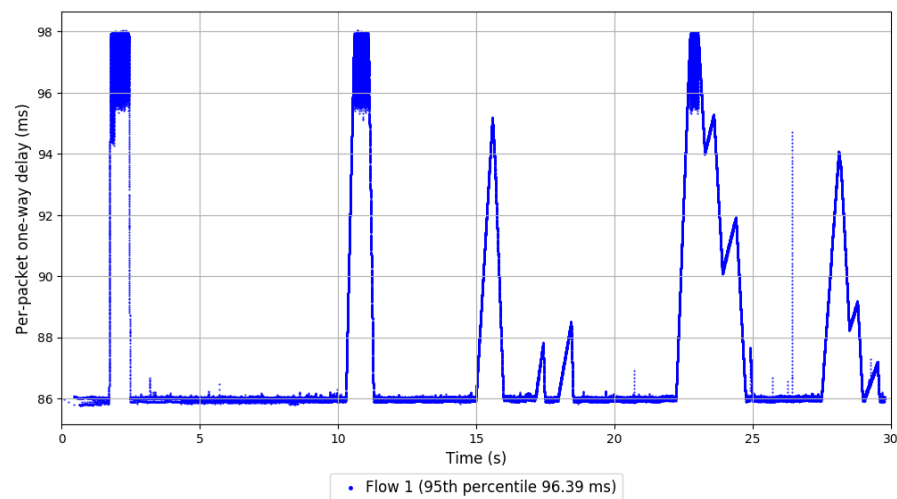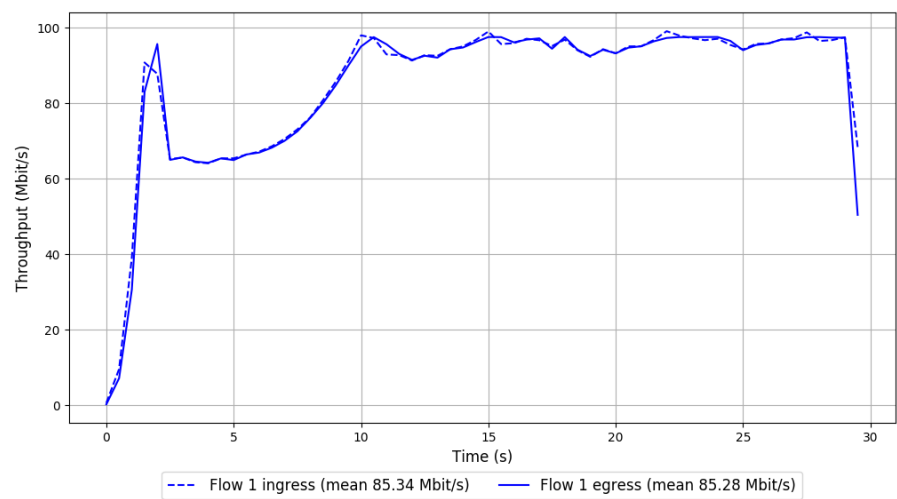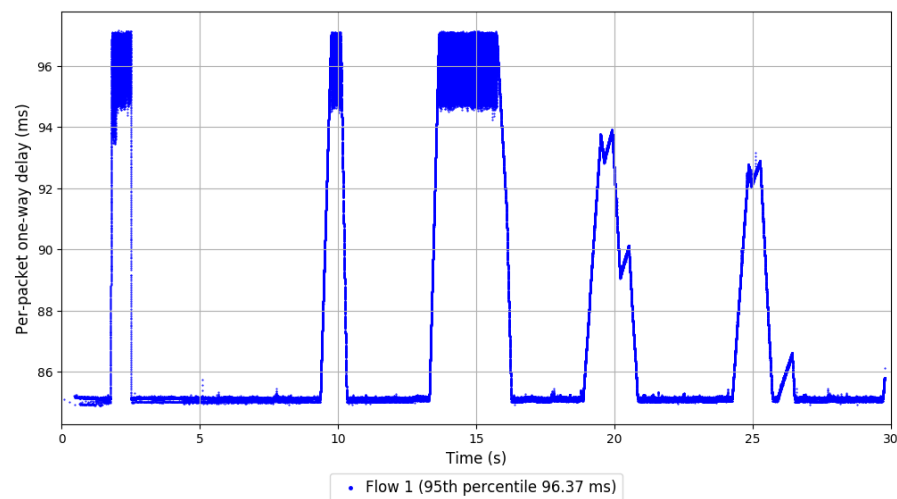
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 86.02 Mbit/s) —— Flow 1 egress (mean 85.93 Mbit/s)

• Flow 1 (95th percentile 91.58 ms)

```
Run 3: Statistics of PCC

Start at: 2018-01-25 21:19:27
End at: 2018-01-25 21:19:57
Local clock offset: 0.784 ms
Remote clock offset: -5.49 ms


# Below is generated by plot.py at 2018-01-26 09:51:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 96.386 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 96.386 ms
Loss rate: 0.68%
```

Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 85.34 Mbit/s)   Flow 1 egress (mean 85.28 Mbit/s)

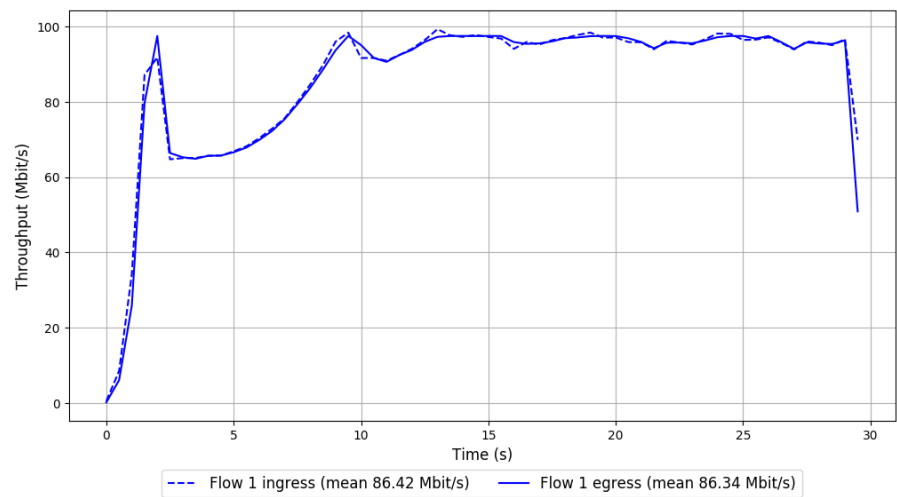Flow 1 (95th percentile 96.39 ms)

```
Run 4: Statistics of PCC

Start at: 2018-01-25 21:39:03
End at: 2018-01-25 21:39:33
Local clock offset: 0.697 ms
Remote clock offset: -6.283 ms


# Below is generated by plot.py at 2018-01-26 09:52:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 96.367 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 96.367 ms
Loss rate: 0.69%
```
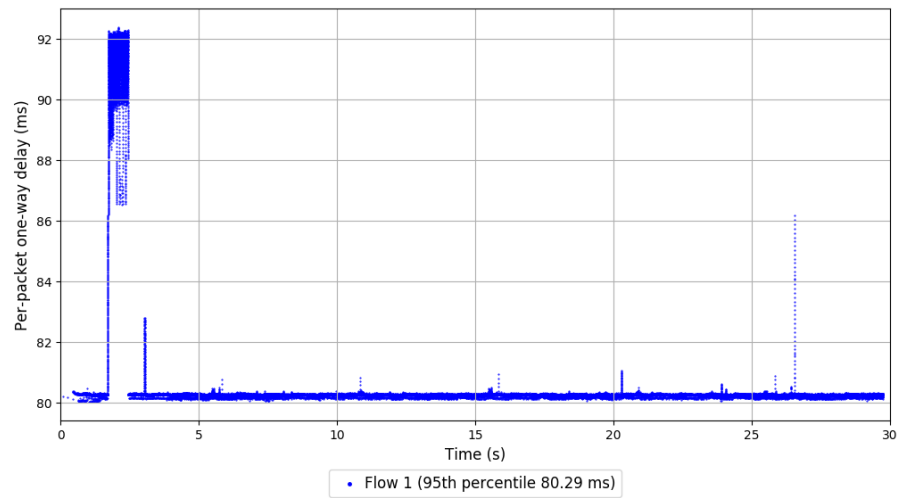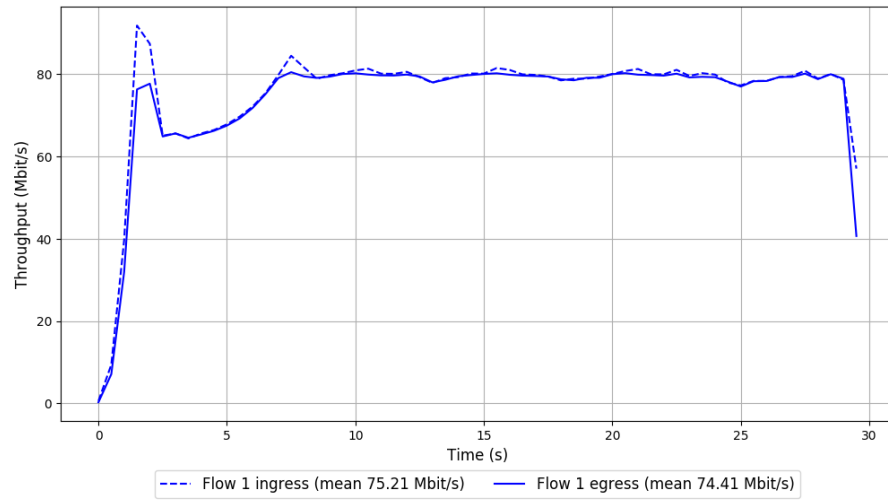
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 86.42 Mbit/s) ---- Flow 1 egress (mean 86.34 Mbit/s)

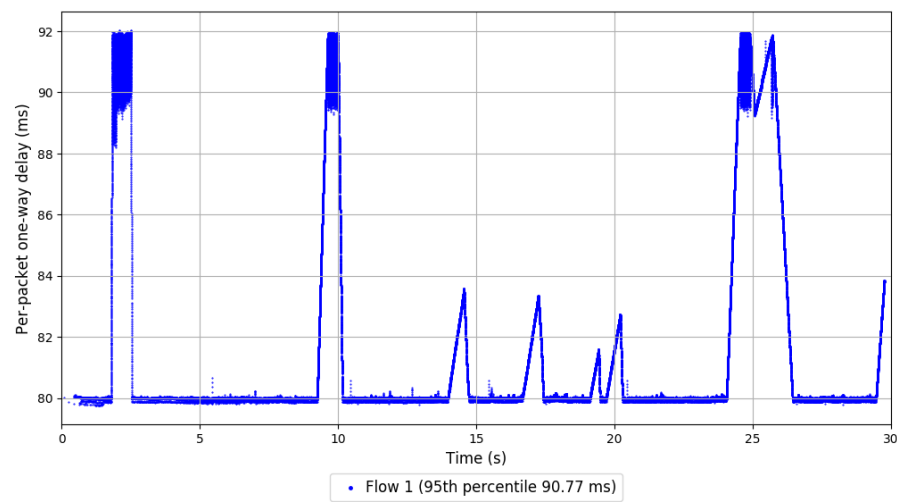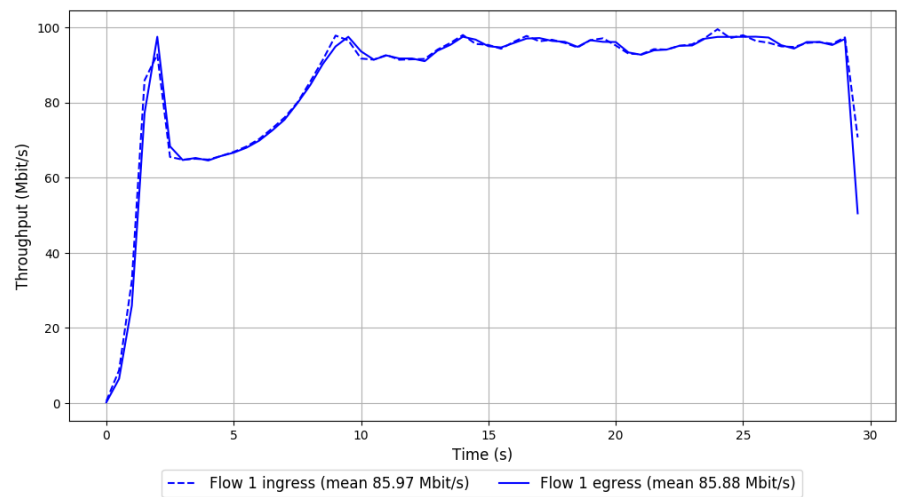Flow 1 (95th percentile 96.37 ms)

Run 5: Statistics of PCC

Start at: 2018-01-25 21:58:55
End at: 2018-01-25 21:59:25
Local clock offset: 0.556 ms
Remote clock offset: 0.472 ms

Below is generated by plot.py at 2018-01-26 09:52:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 80.287 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 80.287 ms
Loss rate: 1.66%

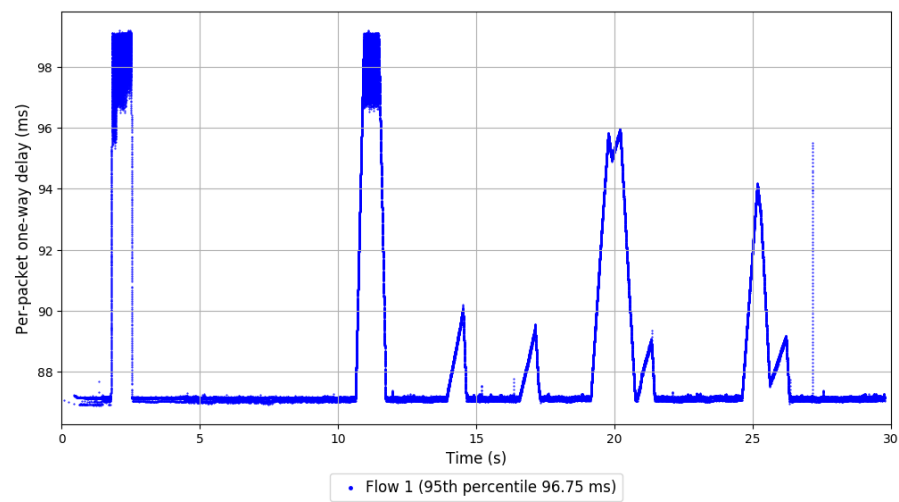## Run 5: Report of PCC — Data Link

```
Run 6: Statistics of PCC

Start at: 2018-01-25 22:18:29
End at: 2018-01-25 22:18:59
Local clock offset: 0.476 ms
Remote clock offset: -1.114 ms


# Below is generated by plot.py at 2018-01-26 09:52:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: 90.773 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: 90.773 ms
Loss rate: 0.70%
```

Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 85.97 Mbit/s)   Flow 1 egress (mean 85.88 Mbit/s)

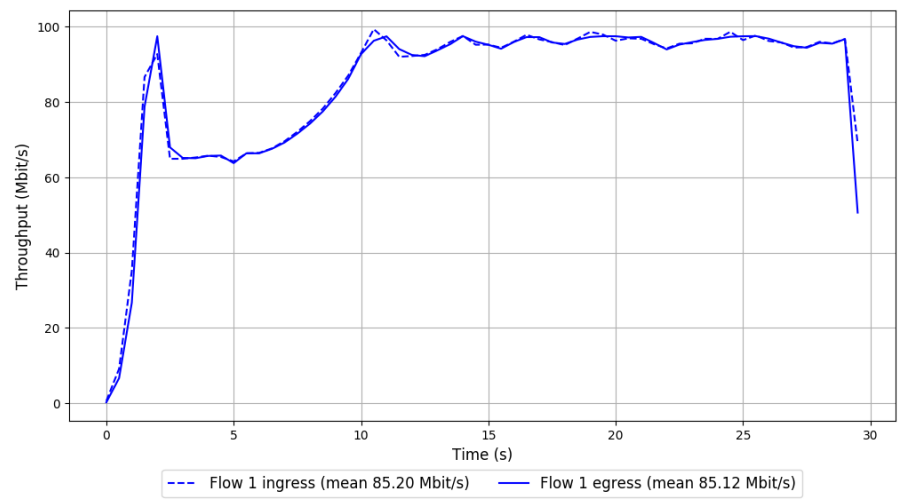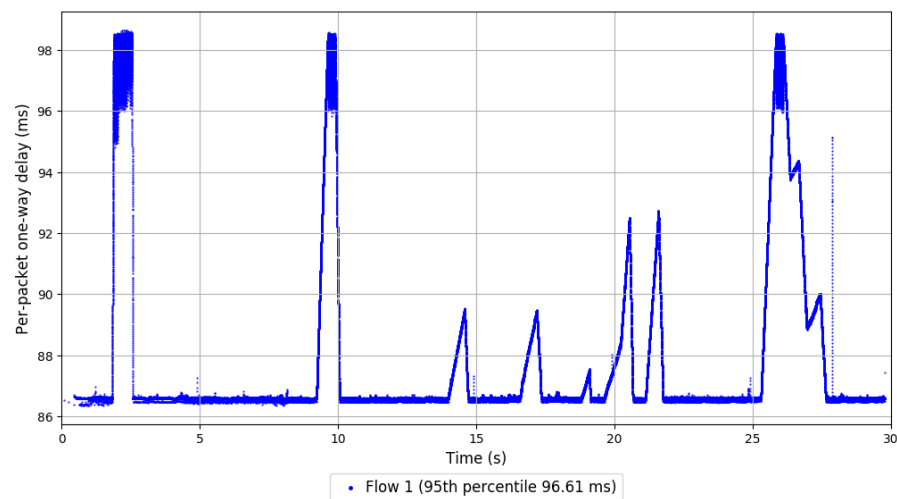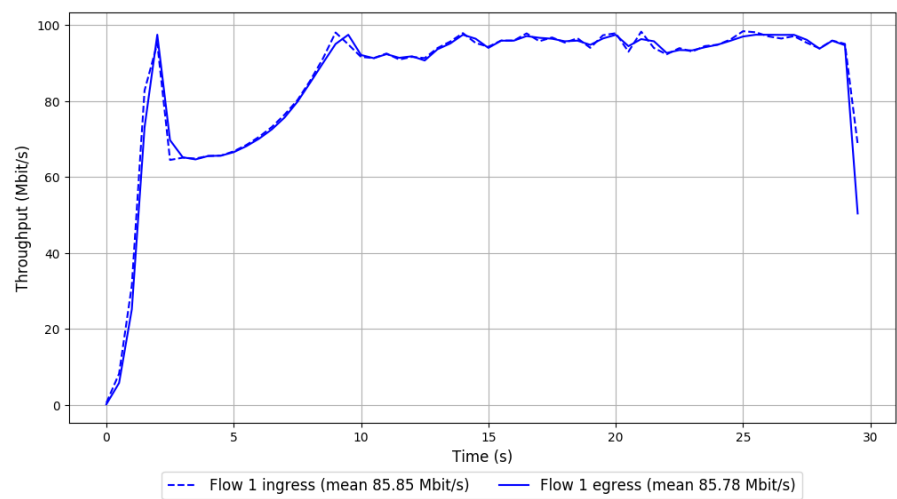• Flow 1 (95th percentile 90.77 ms)

```
Run 7: Statistics of PCC

Start at: 2018-01-25 22:38:11
End at: 2018-01-25 22:38:41
Local clock offset: 0.447 ms
Remote clock offset: -5.157 ms


# Below is generated by plot.py at 2018-01-26 09:52:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.12 Mbit/s
95th percentile per-packet one-way delay: 96.745 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 85.12 Mbit/s
95th percentile per-packet one-way delay: 96.745 ms
Loss rate: 0.69%
```
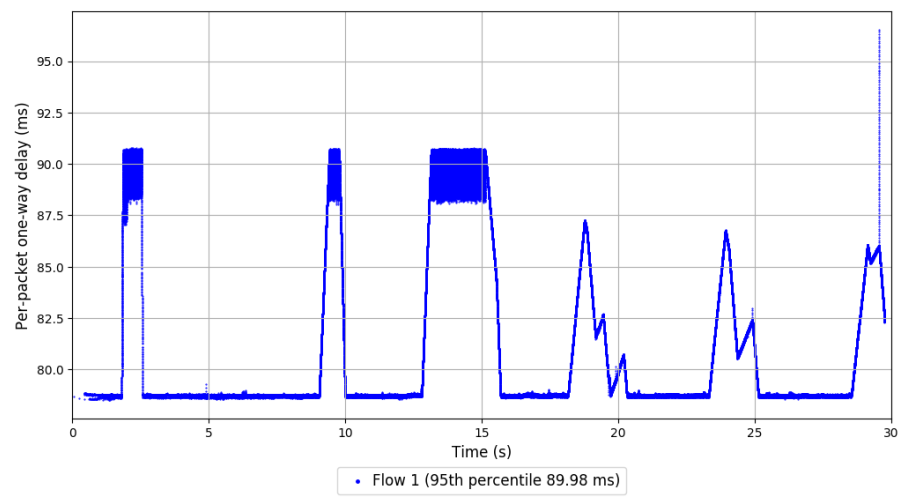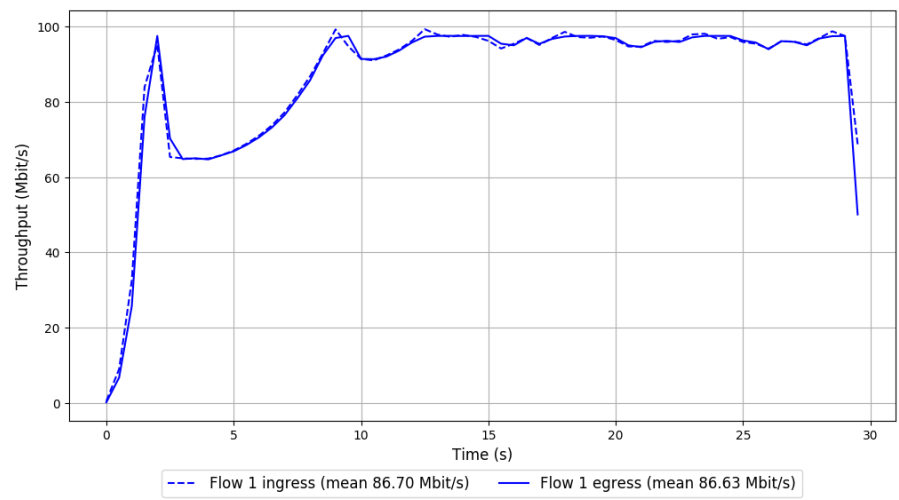
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 85.20 Mbit/s) —— Flow 1 egress (mean 85.12 Mbit/s)

• Flow 1 (95th percentile 96.75 ms)

```
Run 8: Statistics of PCC

Start at: 2018-01-25 22:57:58
End at: 2018-01-25 22:58:28
Local clock offset: 0.411 ms
Remote clock offset: -6.186 ms


# Below is generated by plot.py at 2018-01-26 09:52:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 96.612 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 96.612 ms
Loss rate: 0.68%
```
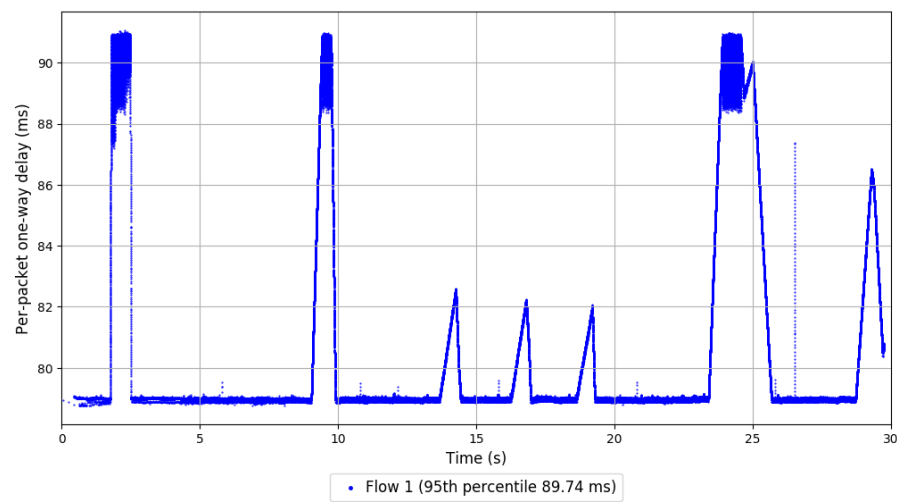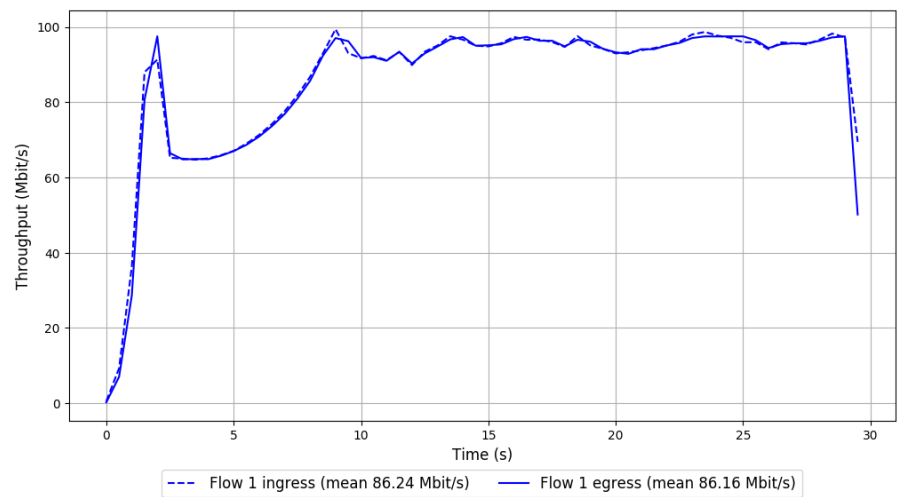
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 85.85 Mbit/s)   Flow 1 egress (mean 85.78 Mbit/s)

• Flow 1 (95th percentile 96.61 ms)

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```
Run 9: Statistics of PCC

Start at: 2018-01-25 23:17:40
End at: 2018-01-25 23:18:10
Local clock offset: 0.396 ms
Remote clock offset: -0.696 ms


# Below is generated by plot.py at 2018-01-26 09:53:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 89.977 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 89.977 ms
Loss rate: 0.68%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 86.70 Mbit/s) — Flow 1 egress (mean 86.63 Mbit/s)

Flow 1 (95th percentile 89.98 ms)

```
Run 10: Statistics of PCC

Start at: 2018-01-25 23:37:25
End at: 2018-01-25 23:37:55
Local clock offset: 0.226 ms
Remote clock offset: -0.746 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 89.737 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 89.737 ms
Loss rate: 0.69%
```

Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 86.24 Mbit/s) --- Flow 1 egress (mean 86.16 Mbit/s)

Flow 1 (95th percentile 89.74 ms)

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-25 20:32:46
End at: 2018-01-25 20:33:16
Local clock offset: 1.259 ms
Remote clock offset: -6.392 ms
```

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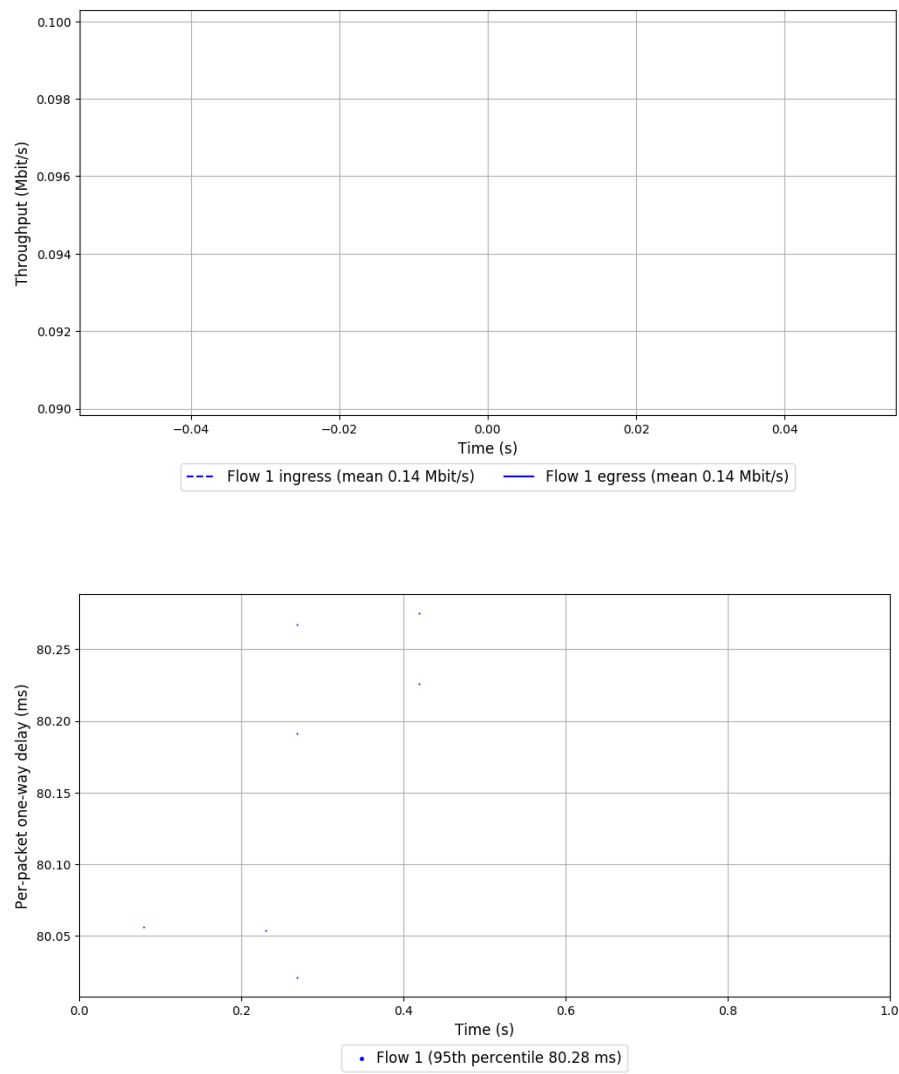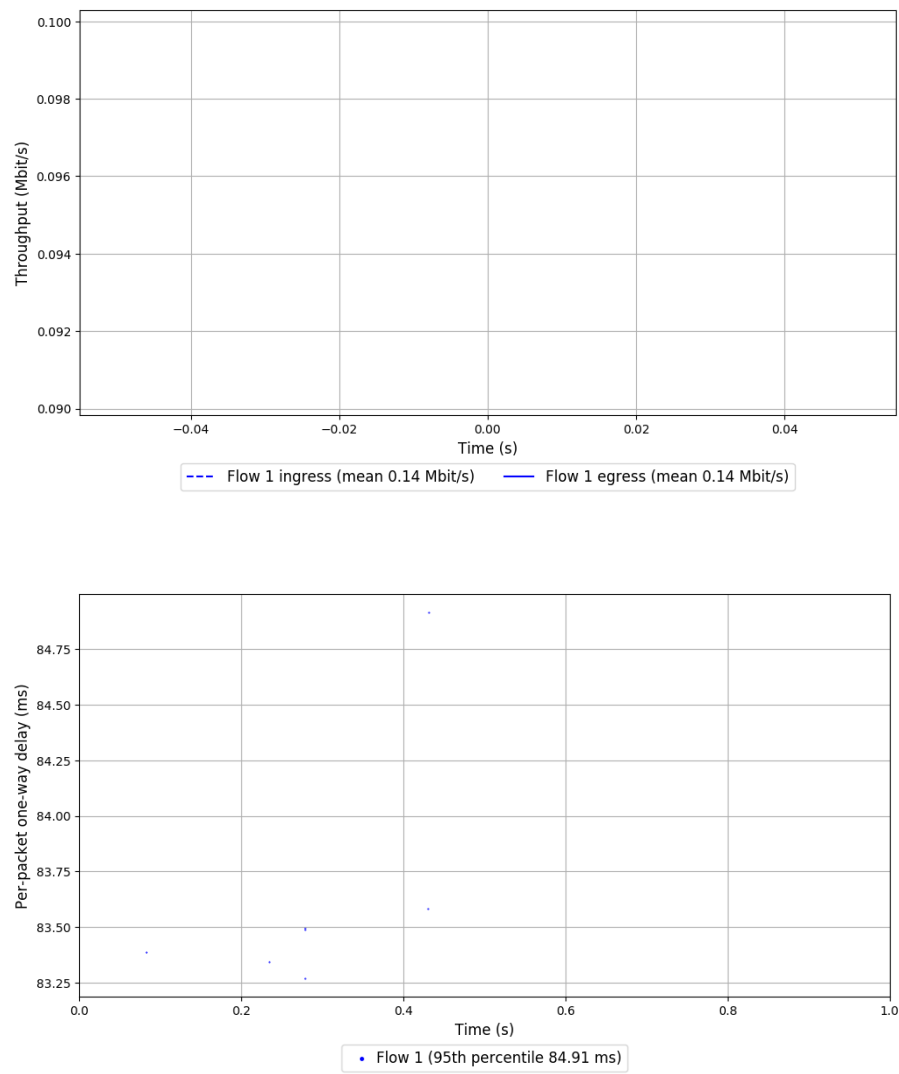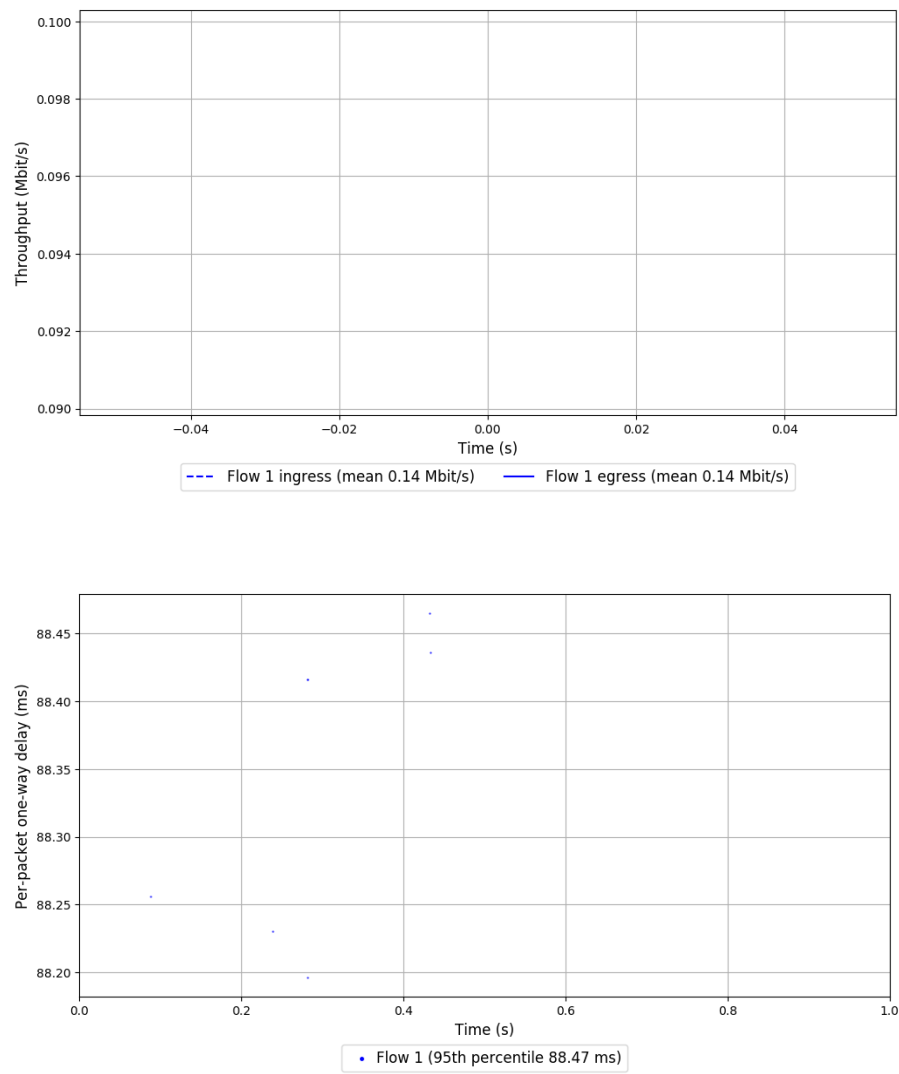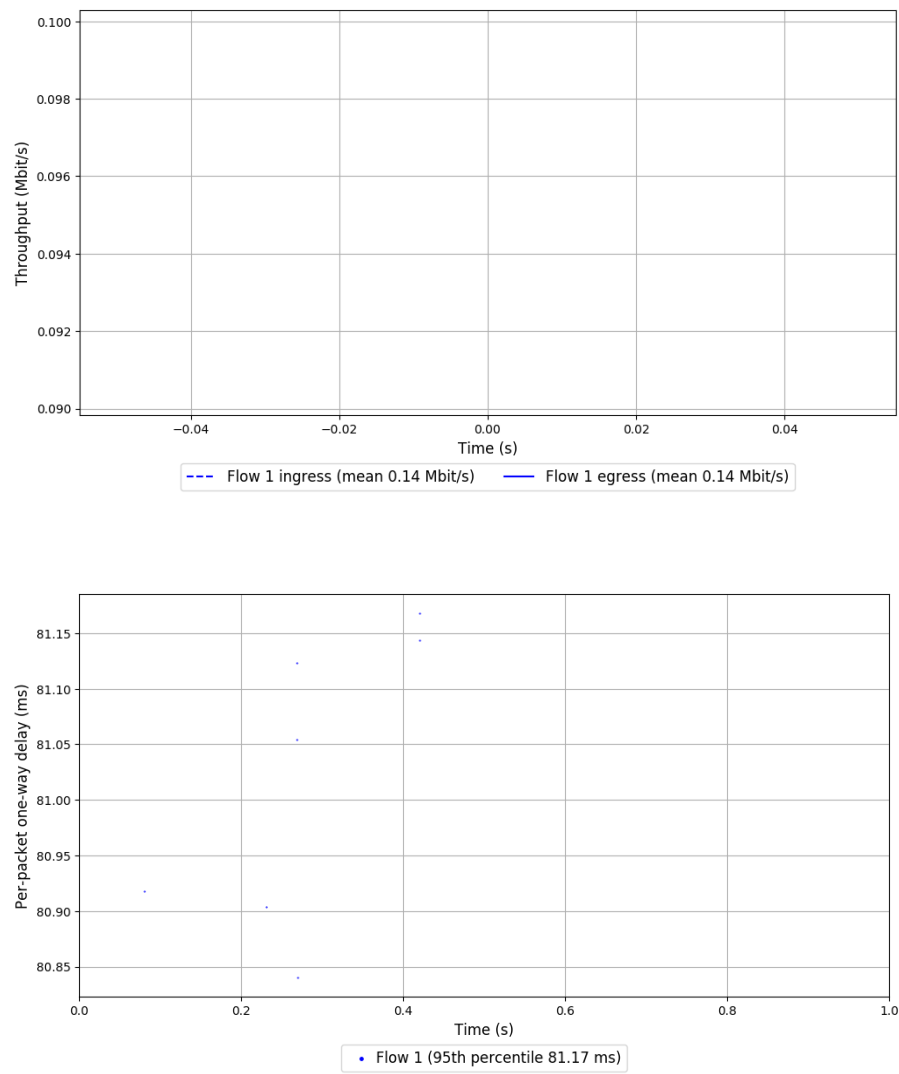
```
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-25 20:52:24
End at: 2018-01-25 20:52:54
Local clock offset: 1.161 ms
Remote clock offset: -1.798 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 80.28 ms)
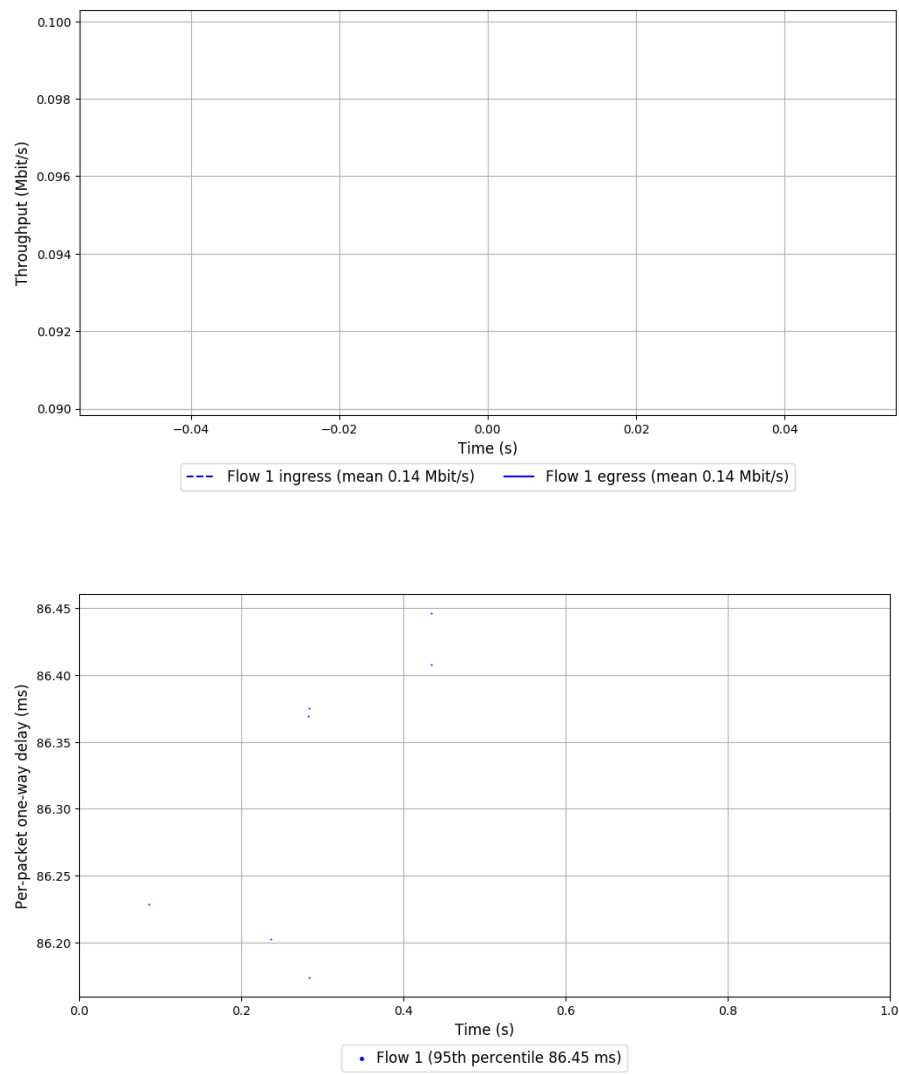
```
Run 3: Statistics of QUIC Cubic

Start at: 2018-01-25 21:12:02
End at: 2018-01-25 21:12:32
Local clock offset: 0.961 ms
Remote clock offset: -1.655 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 84.91 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-25 21:31:38
End at: 2018-01-25 21:32:08
Local clock offset: 0.679 ms
Remote clock offset: -6.347 ms
```

Run 4: Report of QUIC Cubic — Data Link
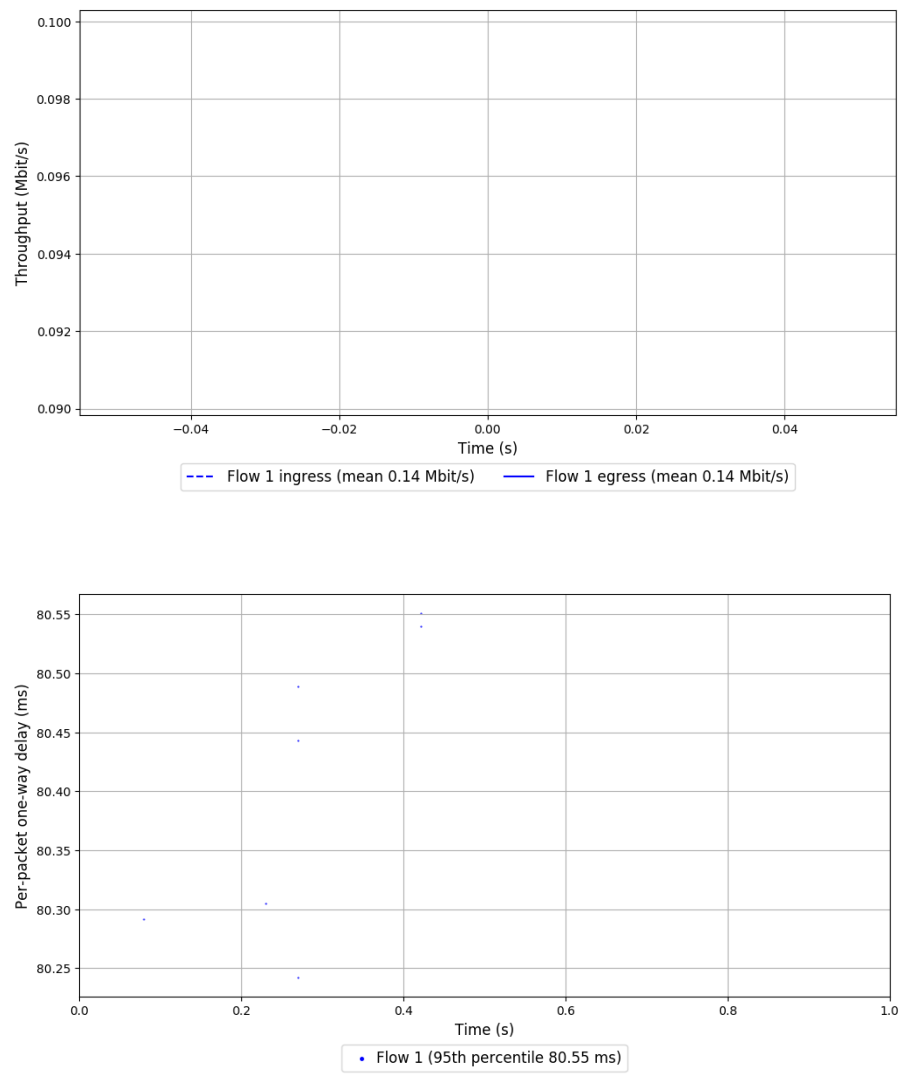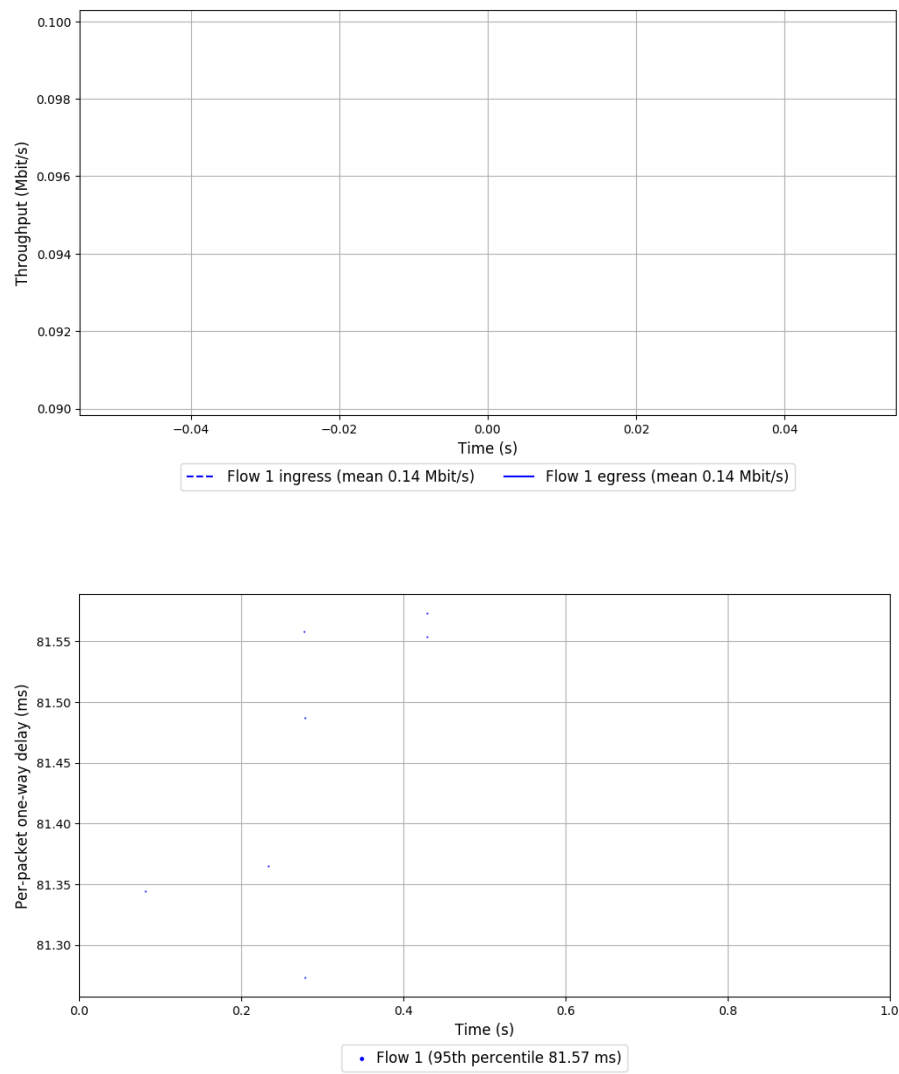
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-25 21:51:21
End at: 2018-01-25 21:51:51
Local clock offset: 0.596 ms
Remote clock offset: -0.571 ms

Run 5: 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 81.17 ms)
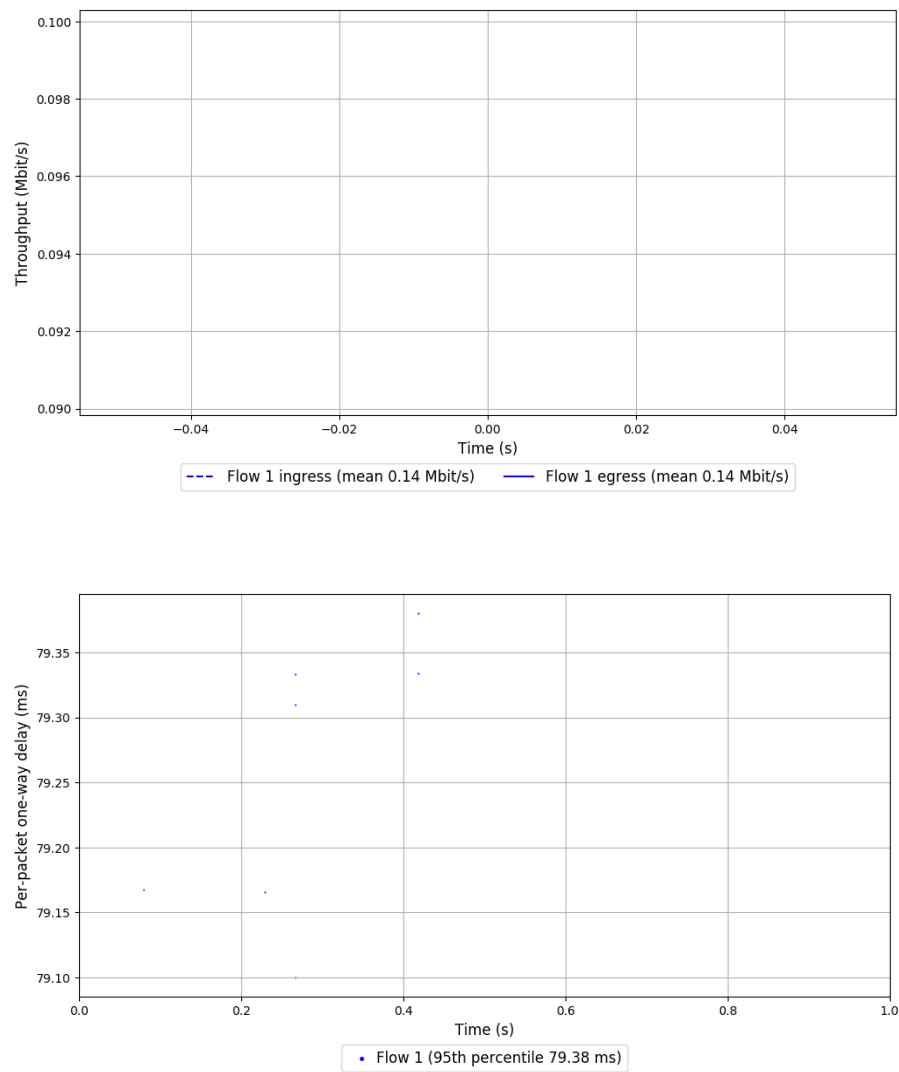
Run 6: Statistics of QUIC Cubic

Start at: 2018-01-25 22:11:06
End at: 2018-01-25 22:11:36
Local clock offset: 0.515 ms
Remote clock offset: -5.894 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 86.45 ms)
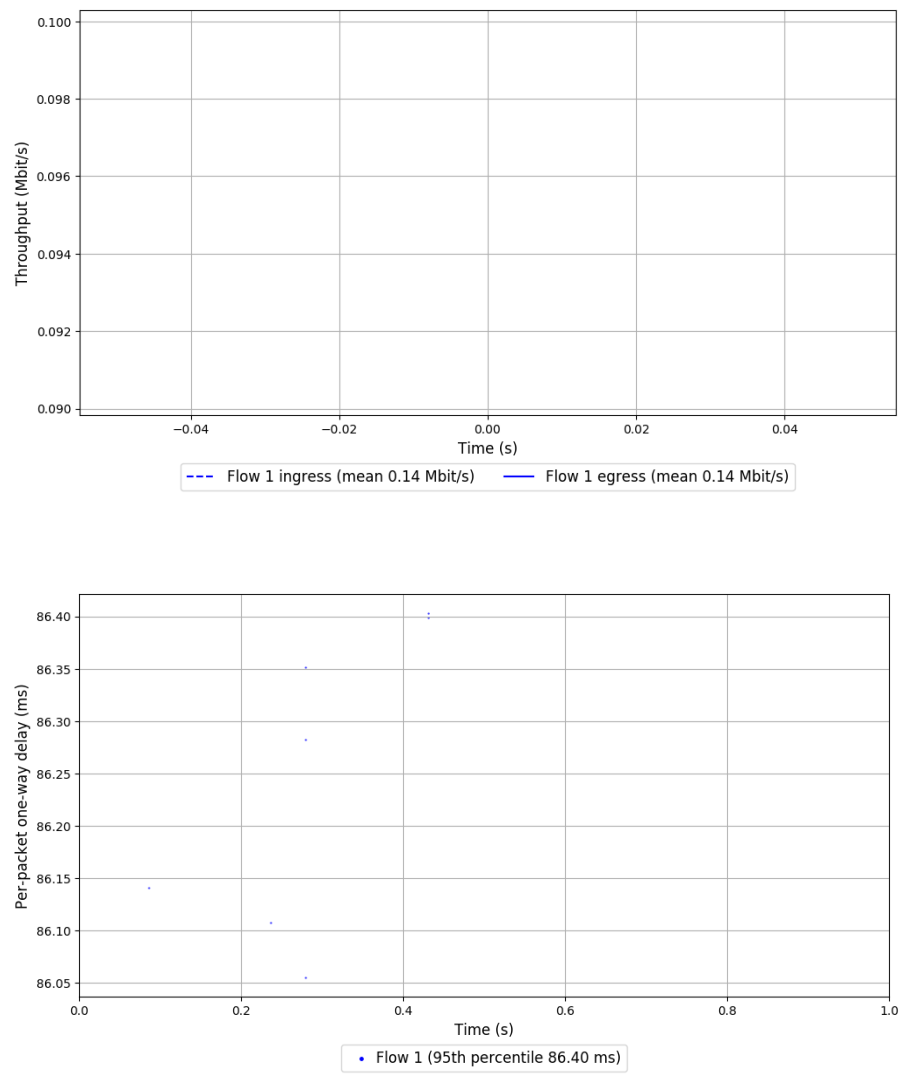
```
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-25 22:30:47
End at: 2018-01-25 22:31:17
Local clock offset: 0.452 ms
Remote clock offset: -0.209 ms
```
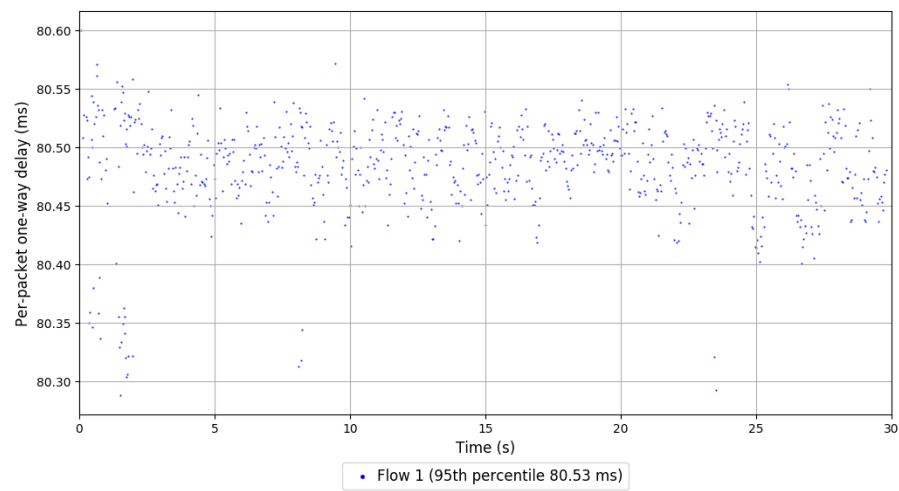
Run 7: Report of QUIC Cubic — Data Link

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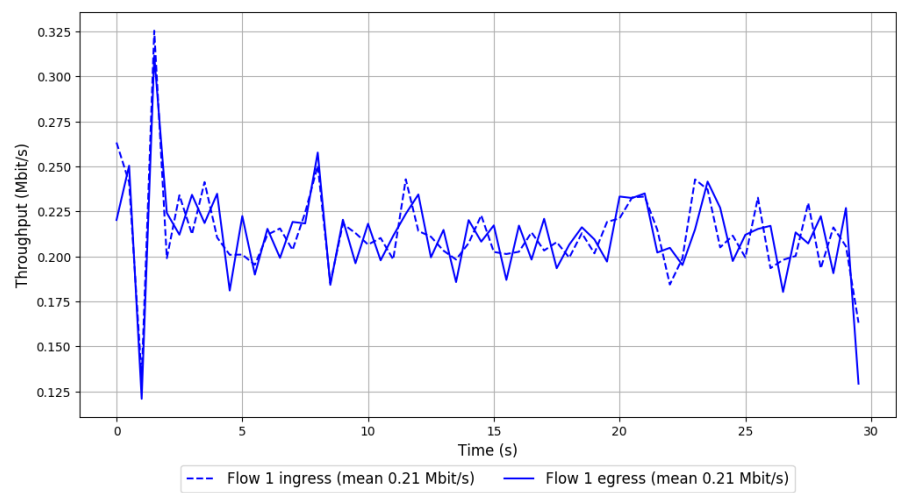

Flow 1 (95th percentile 80.55 ms)

97

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-01-25 22:50:29
End at: 2018-01-25 22:50:59
Local clock offset: 0.454 ms
Remote clock offset: 0.456 ms
```

Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-25 23:10:19
End at: 2018-01-25 23:10:49
Local clock offset: 0.333 ms
Remote clock offset: -1.399 ms
```

Run 9: Report of QUIC Cubic — Data Link

Throughput (Mbit/s) vs Time (s)

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

Per-packet one-way delay (ms) vs Time (s)

• Flow 1 (95th percentile 79.38 ms)

Run 10: Statistics of QUIC Cubic

Start at: 2018-01-25 23:30:00
End at: 2018-01-25 23:30:30
Local clock offset: 0.313 ms
Remote clock offset: -6.455 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 86.40 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-01-25 20:42:29
End at: 2018-01-25 20:42:59
Local clock offset: 1.151 ms
Remote clock offset: -0.476 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 80.532 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 80.532 ms
Loss rate: 0.51%
```
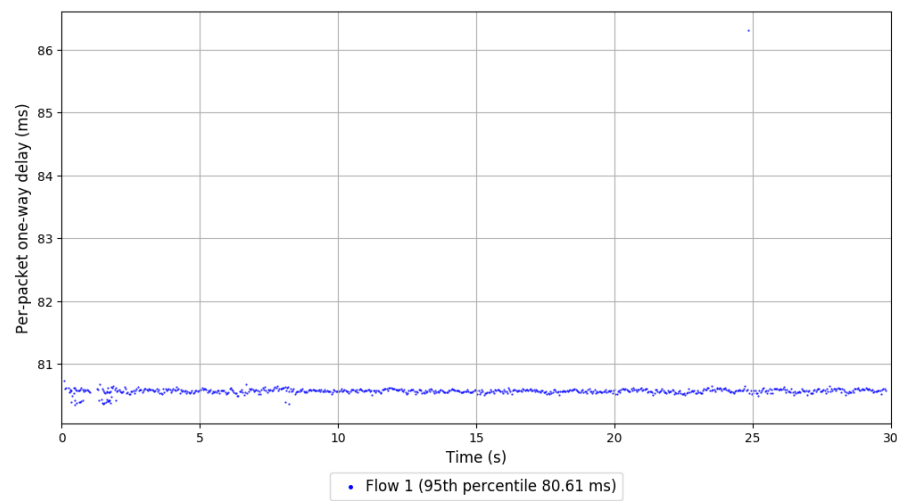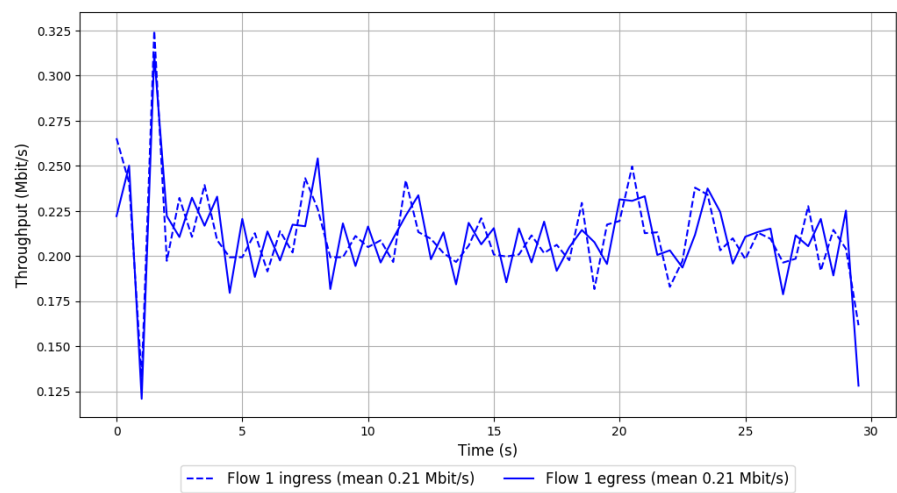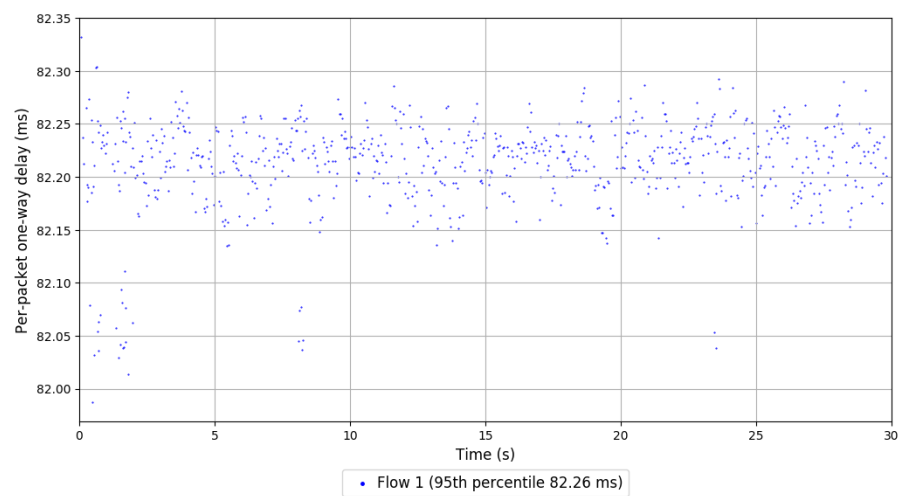
Run 1: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 80.53 ms)

```
Run 2: Statistics of SCReAM

Start at: 2018-01-25 21:02:14
End at: 2018-01-25 21:02:44
Local clock offset: 0.994 ms
Remote clock offset: -0.736 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.967 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.967 ms
Loss rate: 0.52%
```
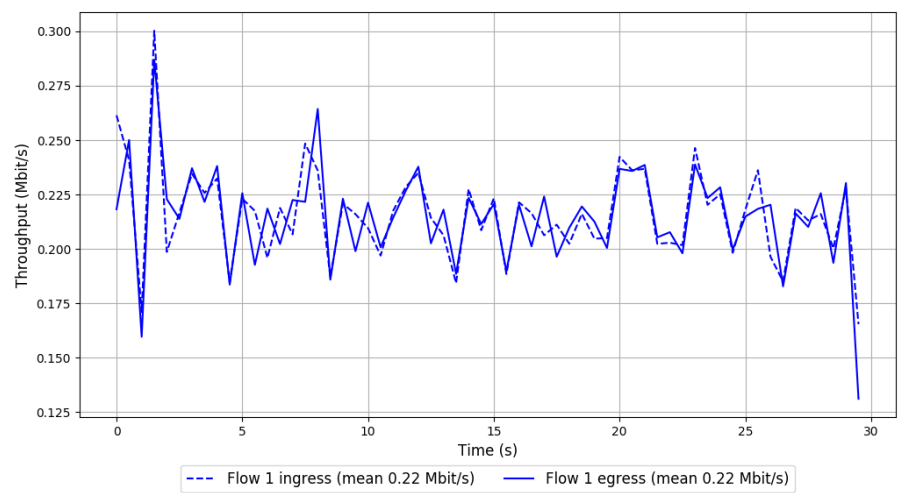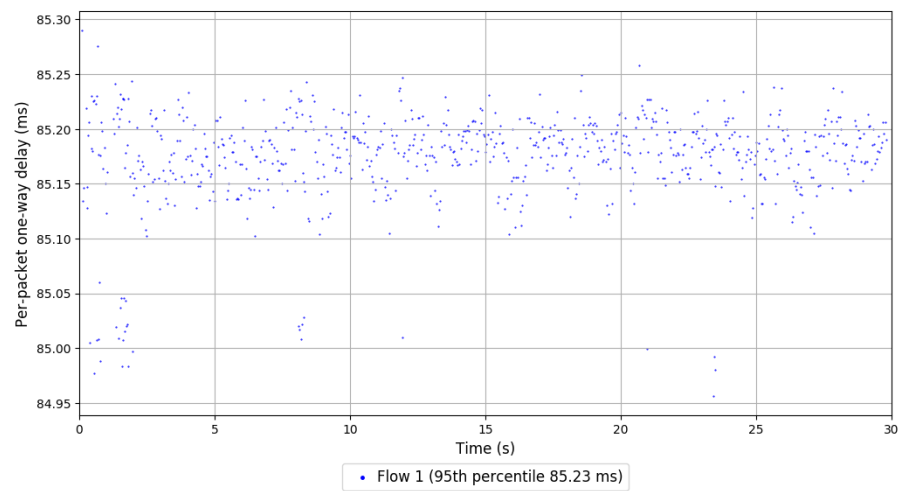
Run 2: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 80.97 ms)

```
Run 3: Statistics of SCReAM

Start at: 2018-01-25 21:21:52
End at: 2018-01-25 21:22:22
Local clock offset: 0.841 ms
Remote clock offset: -0.662 ms

# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 80.613 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 80.613 ms
Loss rate: 0.51%
```
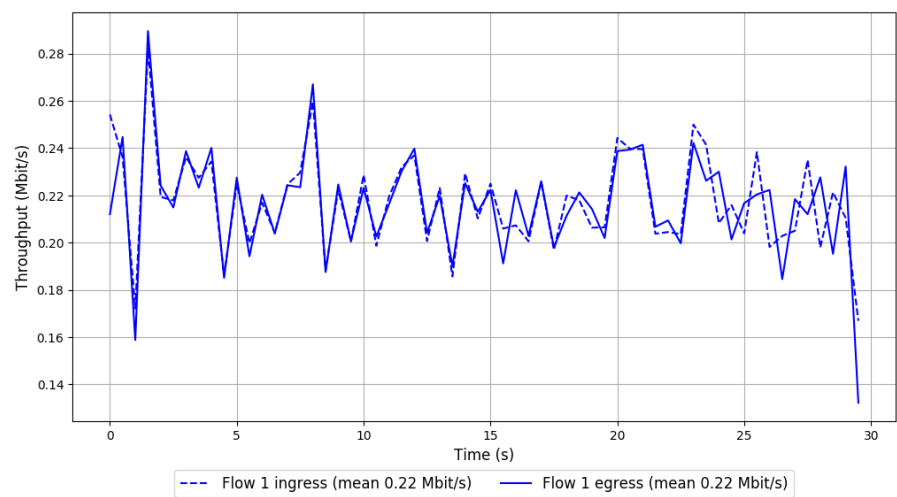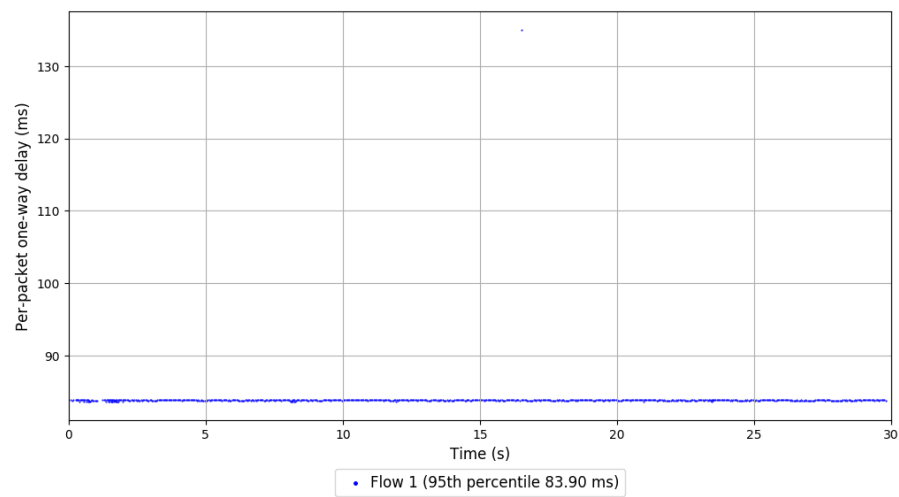
Run 3: Report of SCReAM — Data Link

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

• Flow 1 (95th percentile 80.61 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-01-25 21:41:27
End at: 2018-01-25 21:41:57
Local clock offset: 0.598 ms
Remote clock offset: -0.504 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.263 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.263 ms
Loss rate: 0.51%
```
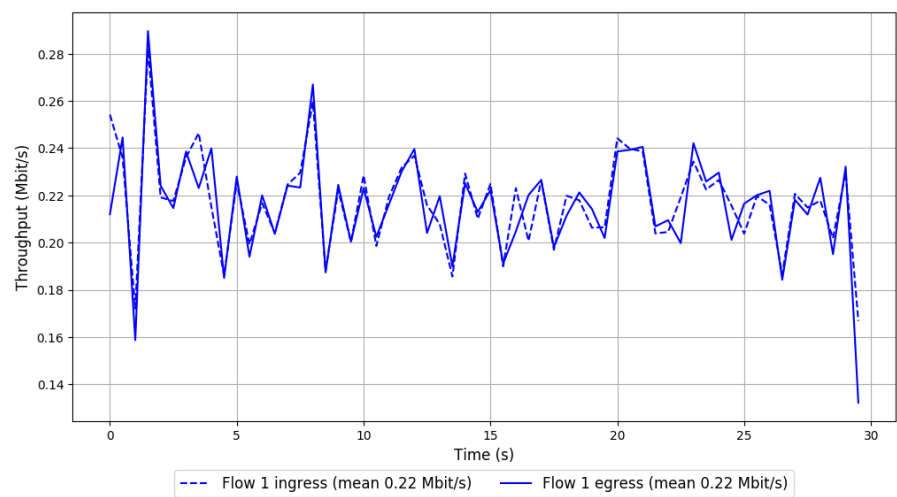
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2018-01-25 22:01:19
End at: 2018-01-25 22:01:49
Local clock offset: 0.545 ms
Remote clock offset: -6.234 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.226 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.226 ms
Loss rate: 0.51%
```
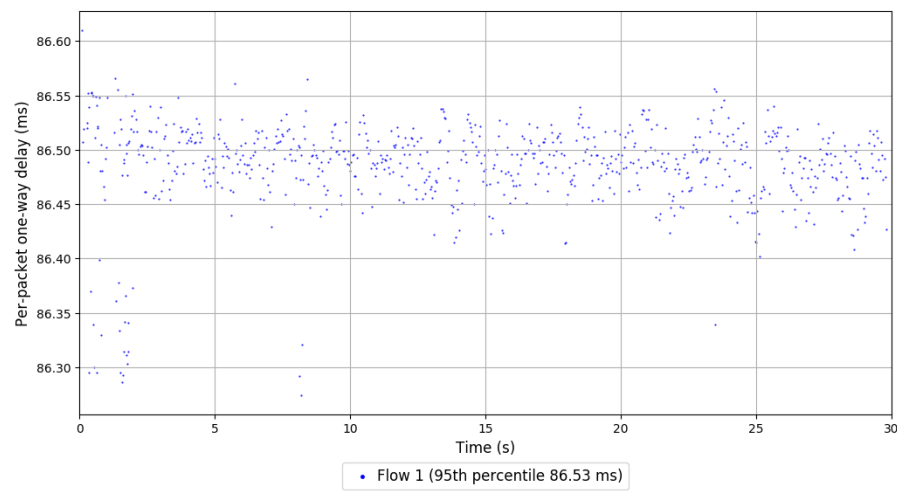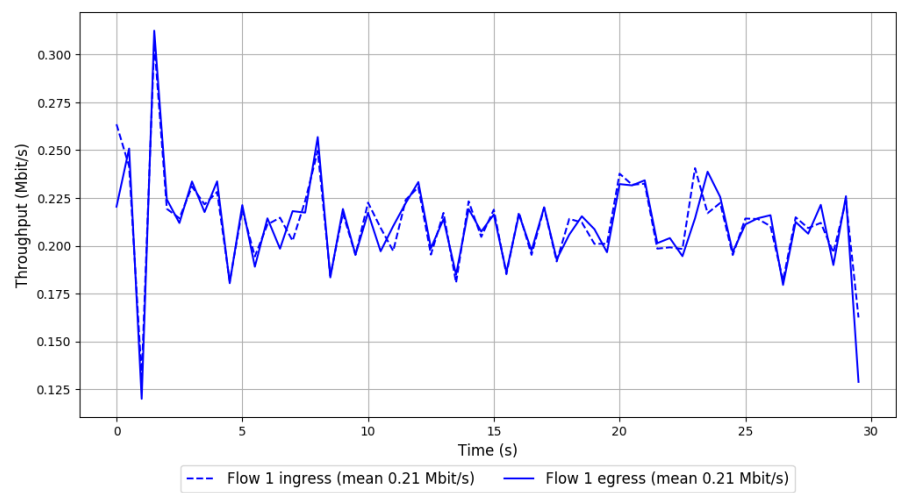
Run 5: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 85.23 ms)

```
Run 6: Statistics of SCReAM

Start at: 2018-01-25 22:20:53
End at: 2018-01-25 22:21:23
Local clock offset: 0.463 ms
Remote clock offset: -4.981 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.896 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.896 ms
Loss rate: 0.51%
```
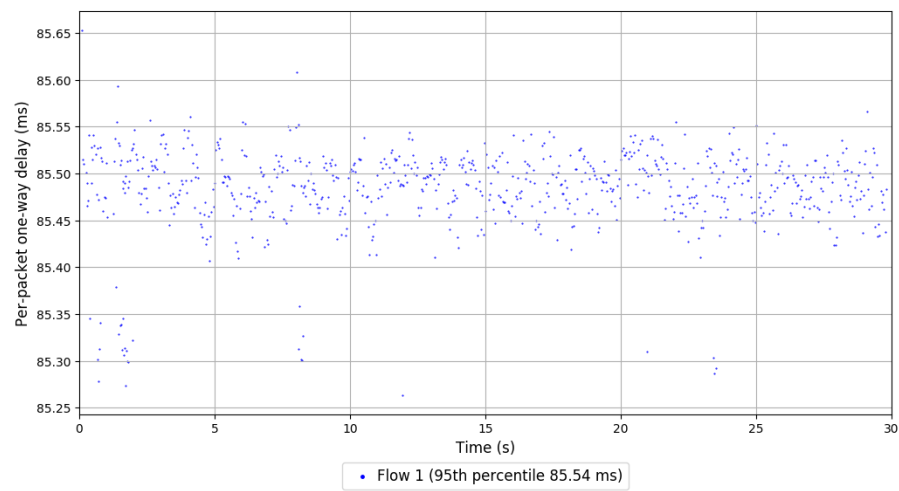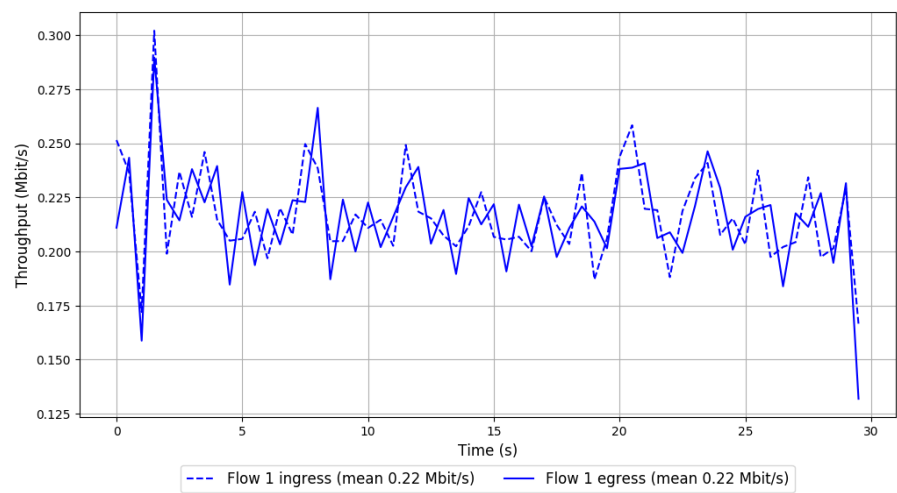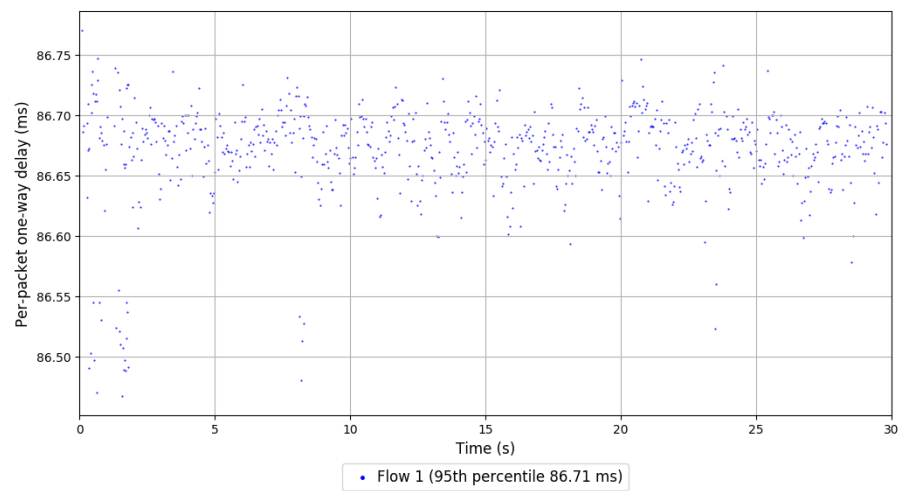
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-01-25 22:40:35
End at: 2018-01-25 22:41:05
Local clock offset: 0.451 ms
Remote clock offset: -6.12 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.533 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.533 ms
Loss rate: 0.51%
```

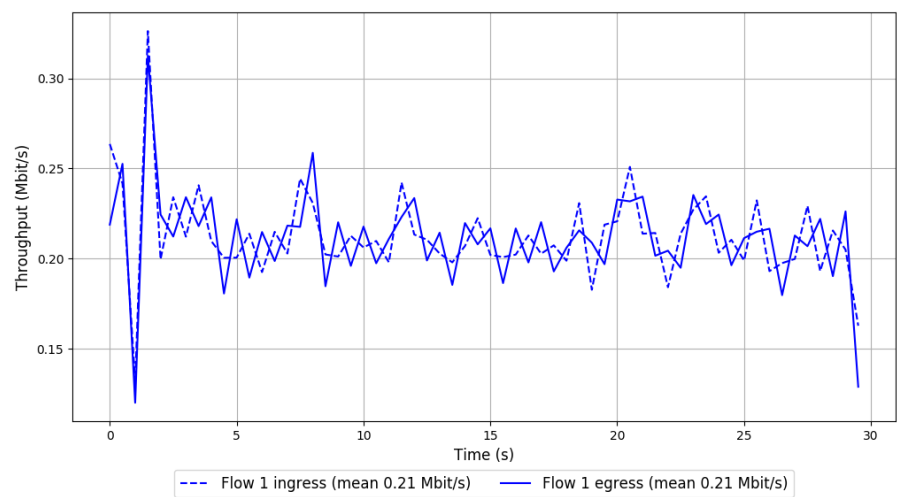# Run 7: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 86.53 ms)

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```
Run 8: Statistics of SCReAM

Start at: 2018-01-25 23:00:23
End at: 2018-01-25 23:00:53
Local clock offset: 0.399 ms
Remote clock offset: -5.29 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.537 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.537 ms
Loss rate: 0.51%
```
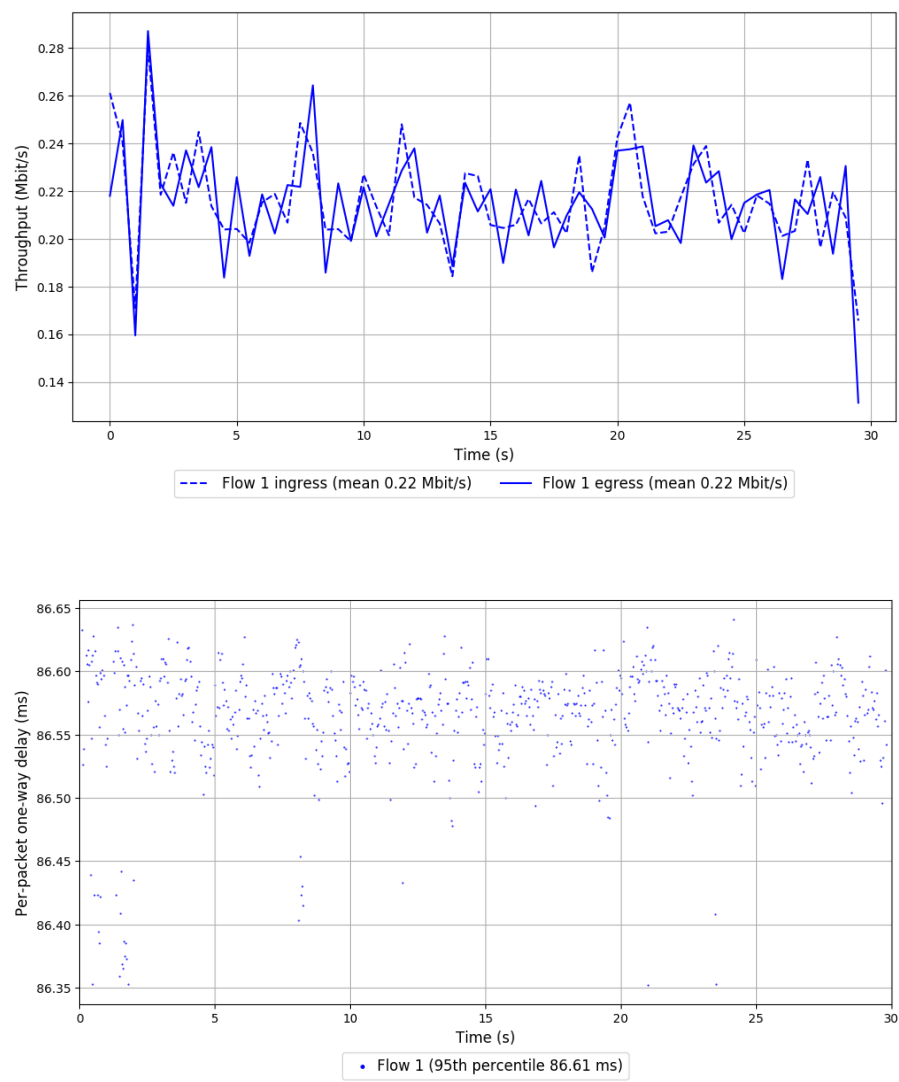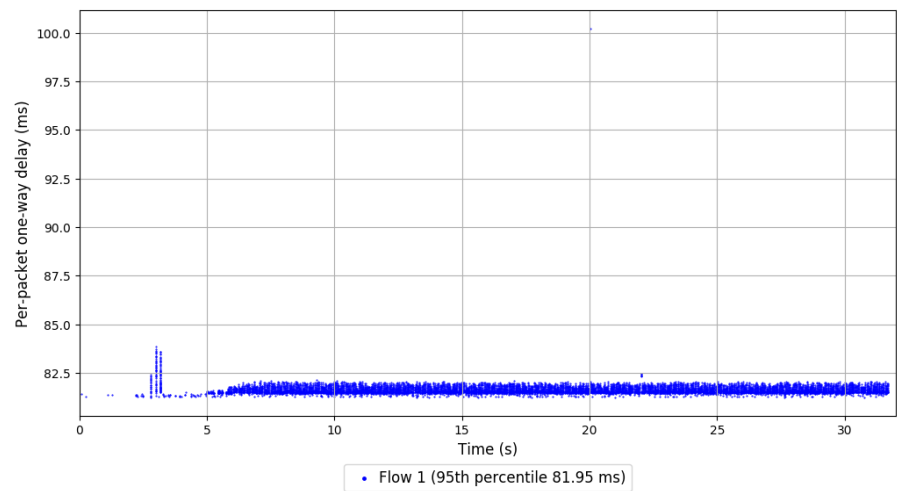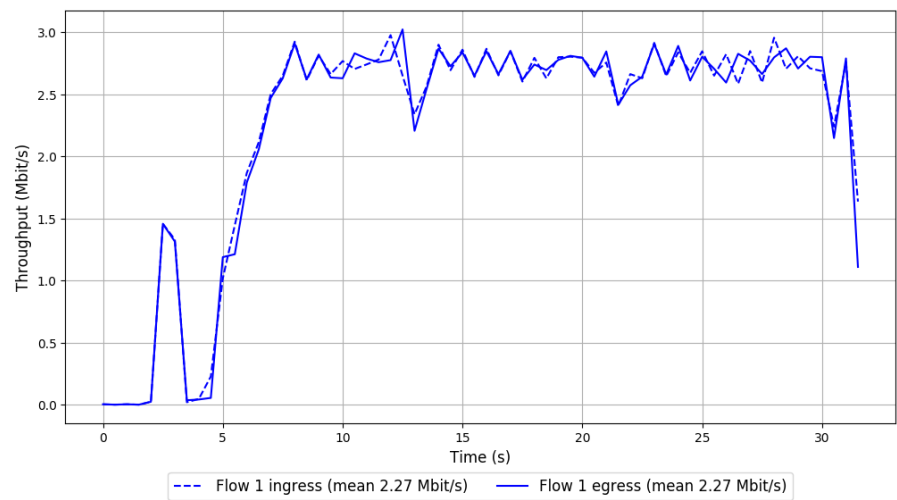
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 85.54 ms)

```
Run 9: Statistics of SCReAM

Start at: 2018-01-25 23:20:04
End at: 2018-01-25 23:20:34
Local clock offset: 0.342 ms
Remote clock offset: -6.448 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.713 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.713 ms
Loss rate: 0.51%
```
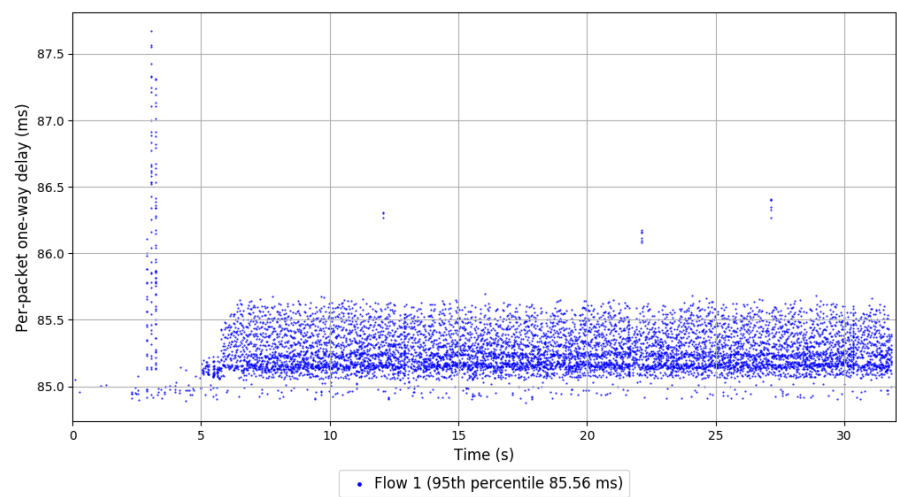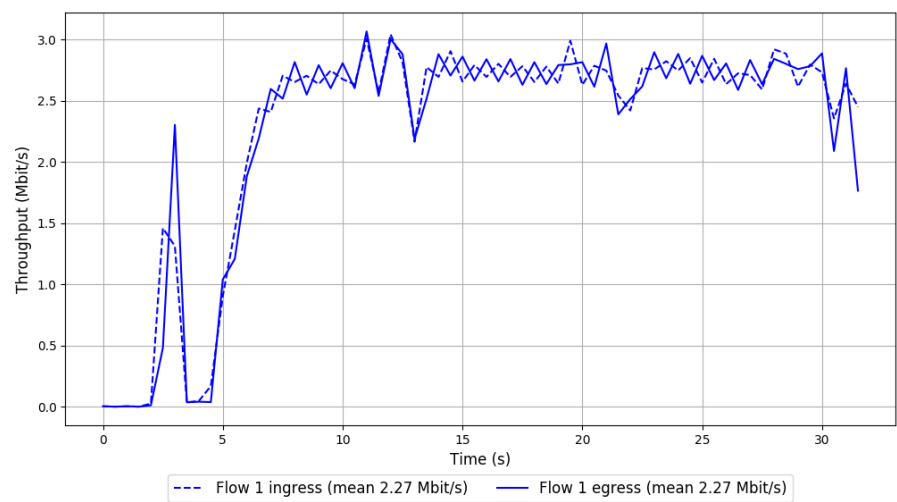
Run 9: Report of SCReAM — Data Link

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

• Flow 1 (95th percentile 86.71 ms)

```
Run 10: Statistics of SCReAM

Start at: 2018-01-25 23:39:49
End at: 2018-01-25 23:40:19
Local clock offset: 0.279 ms
Remote clock offset: -6.439 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.613 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.613 ms
Loss rate: 0.51%
```

Run 10: 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 86.61 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2018-01-25 20:49:55
End at: 2018-01-25 20:50:25
Local clock offset: 1.182 ms
Remote clock offset: -1.861 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 81.950 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 81.950 ms
Loss rate: 0.63%
```
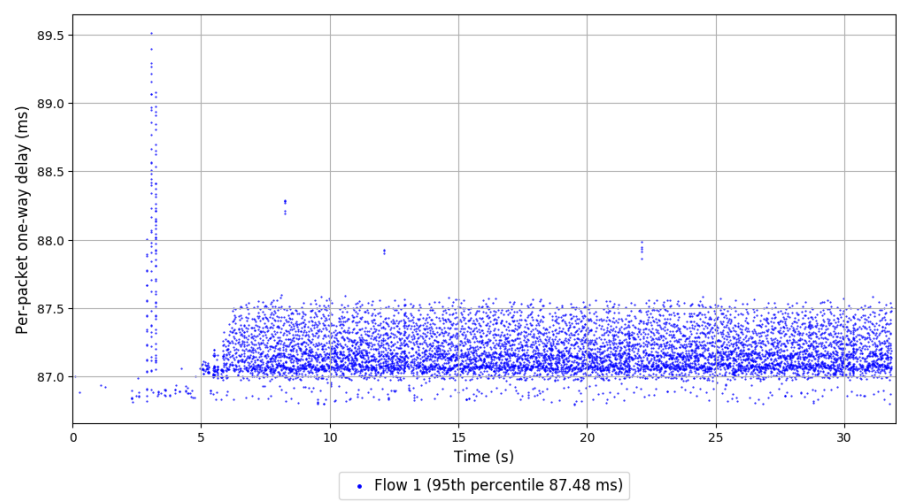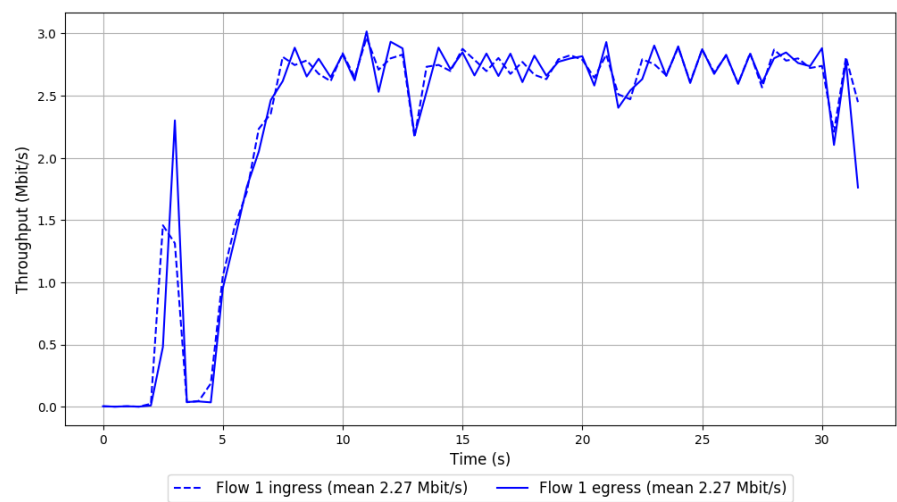
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-01-25 21:09:41
End at: 2018-01-25 21:10:11
Local clock offset: 0.936 ms
Remote clock offset: -6.501 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 85.565 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 85.565 ms
Loss rate: 0.77%
```
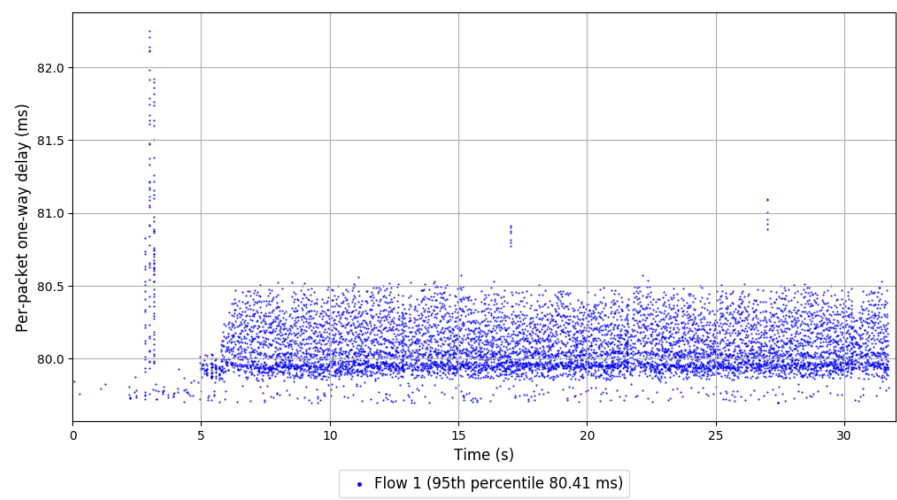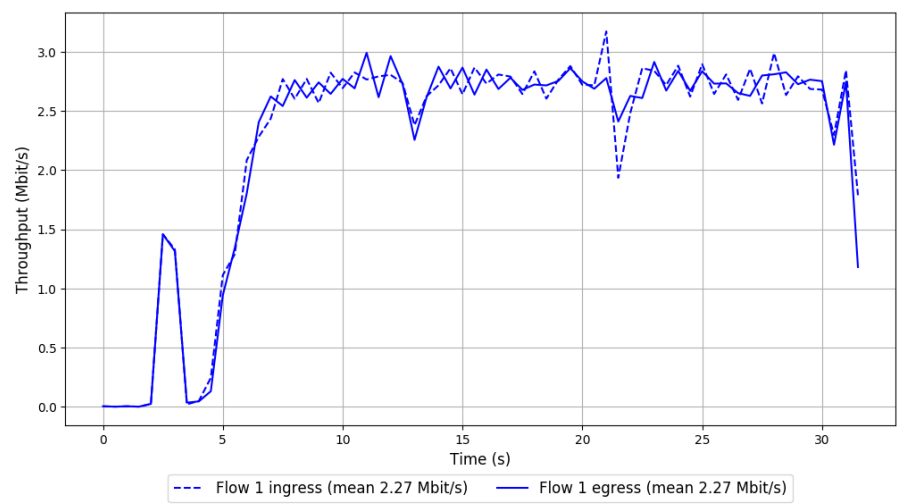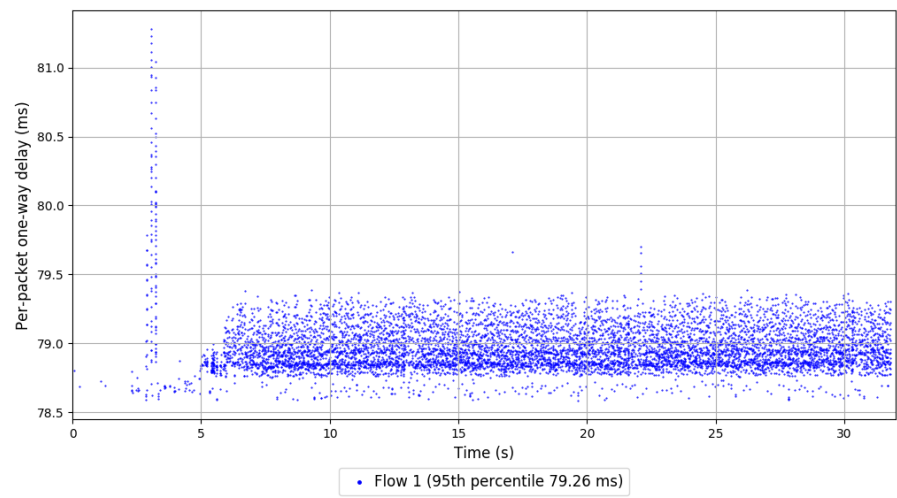
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-01-25 21:29:17
End at: 2018-01-25 21:29:47
Local clock offset: 0.747 ms
Remote clock offset: -6.41 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 87.481 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 87.481 ms
Loss rate: 0.77%
```
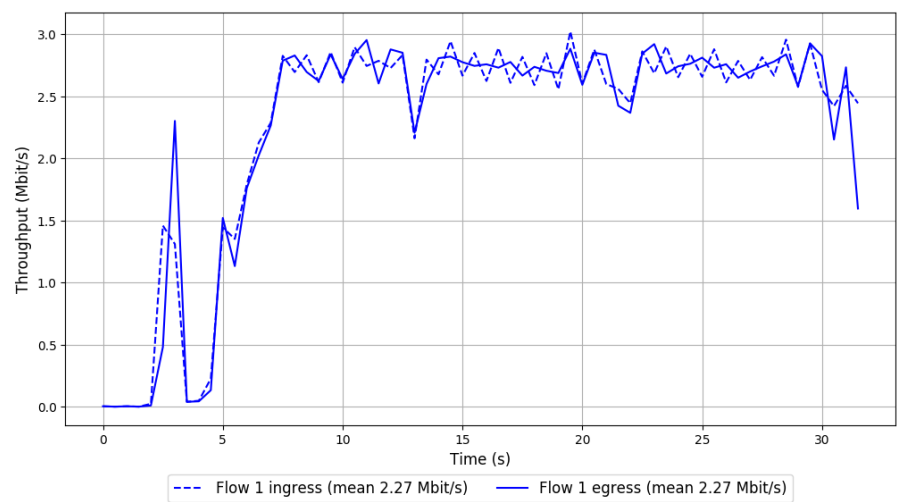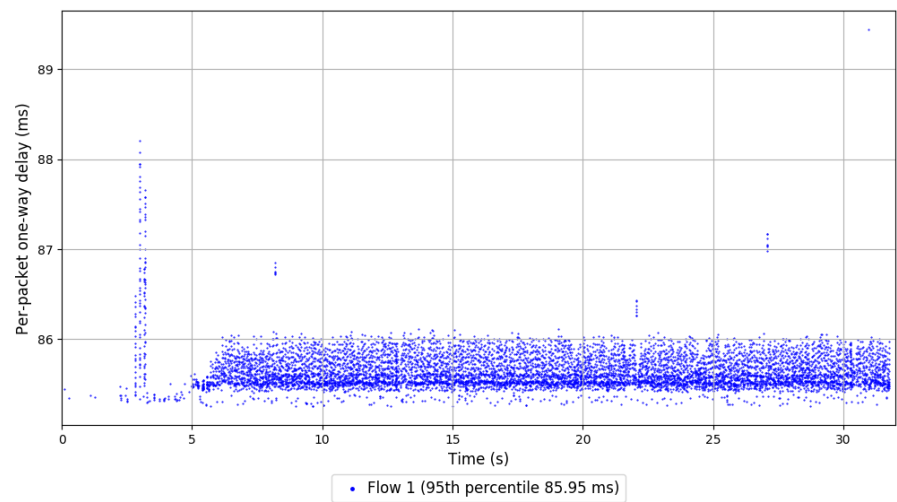
Run 3: Report of WebRTC media — Data Link

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

• Flow 1 (95th percentile 87.48 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2018-01-25 21:48:52
End at: 2018-01-25 21:49:22
Local clock offset: 0.547 ms
Remote clock offset: 0.368 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 80.410 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 80.410 ms
Loss rate: 0.77%
```
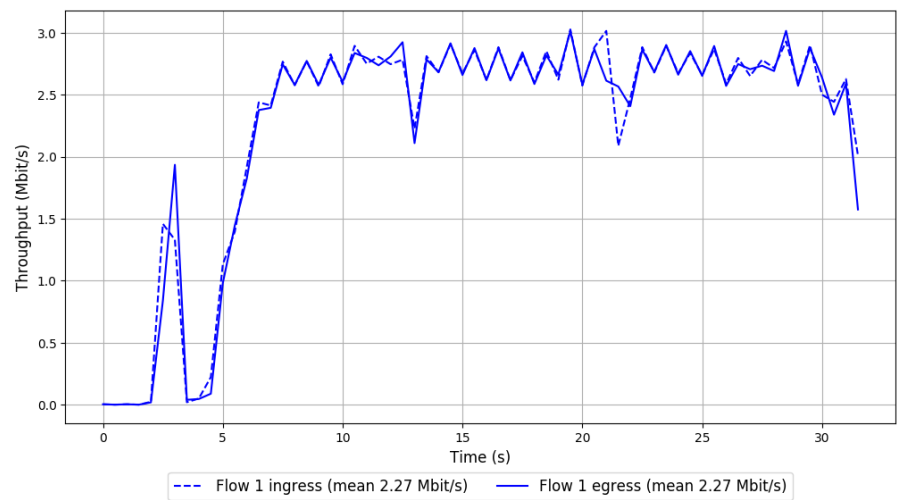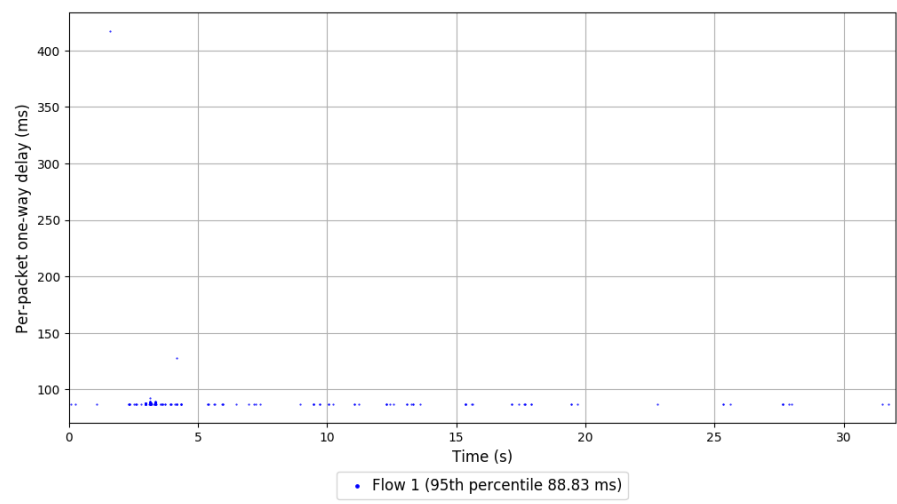
Run 4: Report of WebRTC media — Data Link

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

• Flow 1 (95th percentile 80.41 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2018-01-25 22:08:45
End at: 2018-01-25 22:09:15
Local clock offset: 0.512 ms
Remote clock offset: -0.078 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 79.257 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 79.257 ms
Loss rate: 0.77%
```
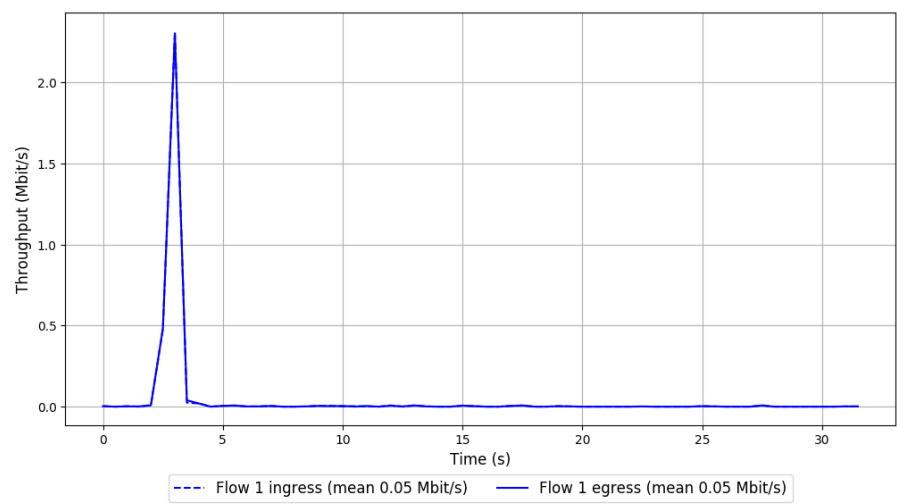
Run 5: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 79.26 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-01-25 22:28:18
End at: 2018-01-25 22:28:48
Local clock offset: 0.466 ms
Remote clock offset: -5.204 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 85.950 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 85.950 ms
Loss rate: 0.62%
```
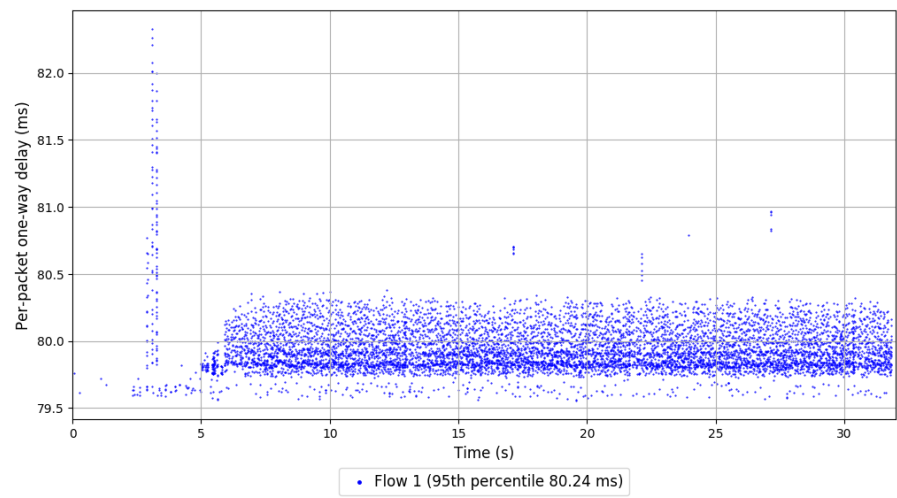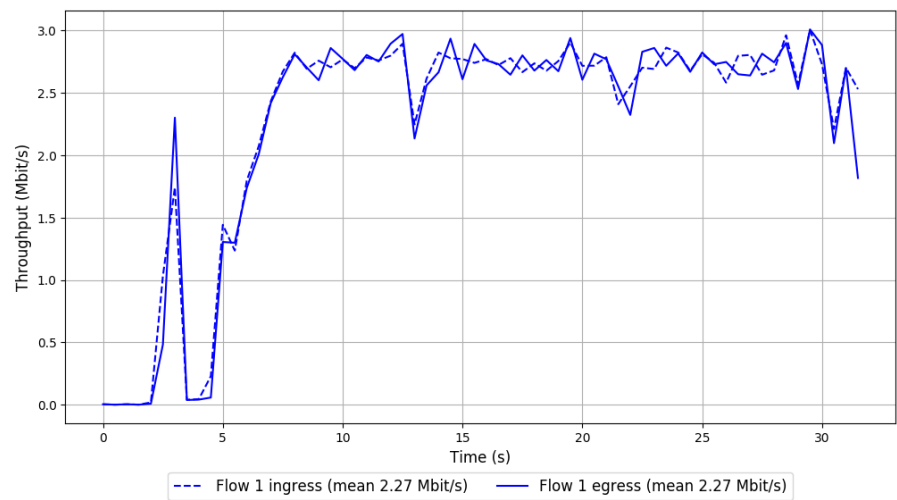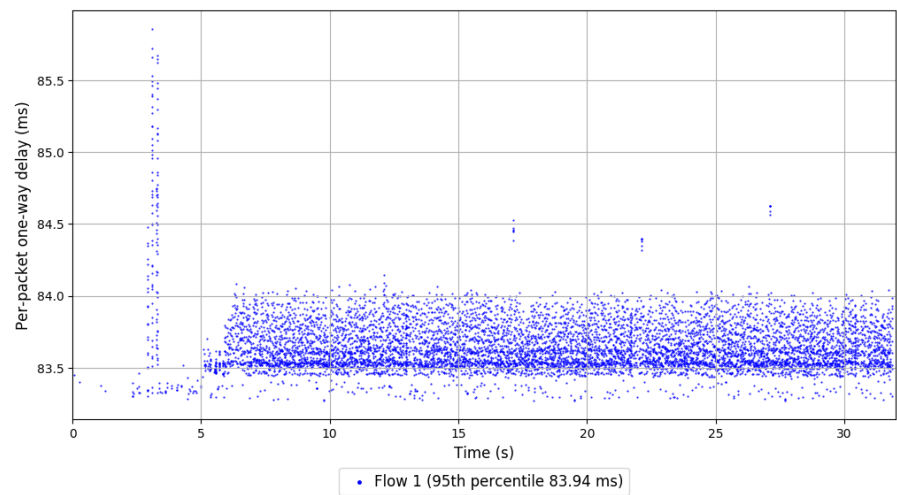
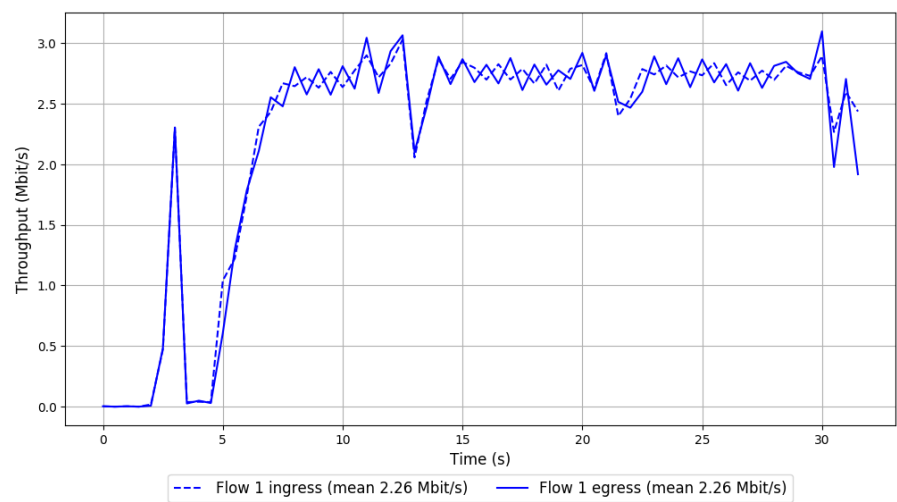Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-01-25 22:48:01
End at: 2018-01-25 22:48:31
Local clock offset: 0.382 ms
Remote clock offset: -5.286 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.835 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-01-25 23:07:59
End at: 2018-01-25 23:08:29
Local clock offset: 0.38 ms
Remote clock offset: 0.311 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 80.239 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 80.239 ms
Loss rate: 0.77%
```
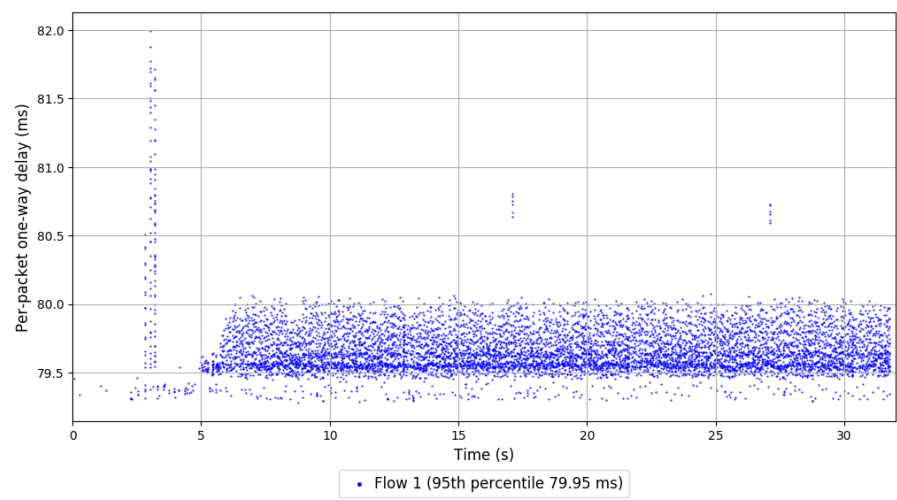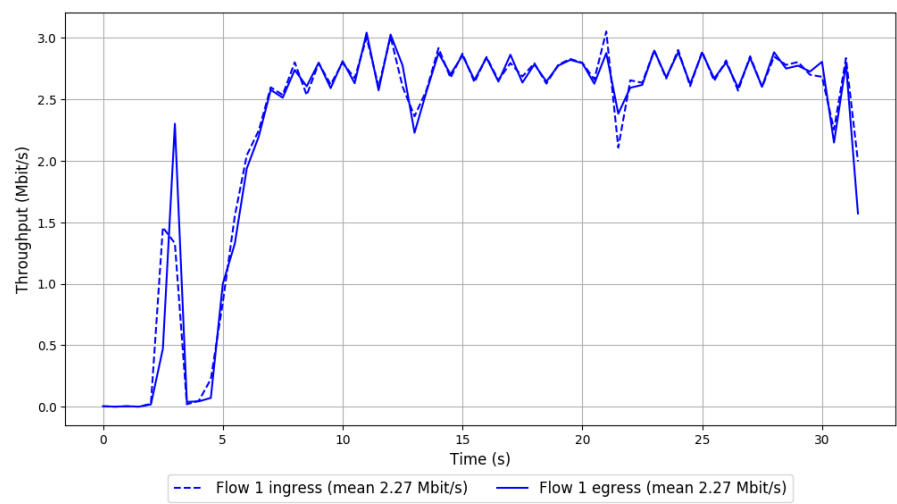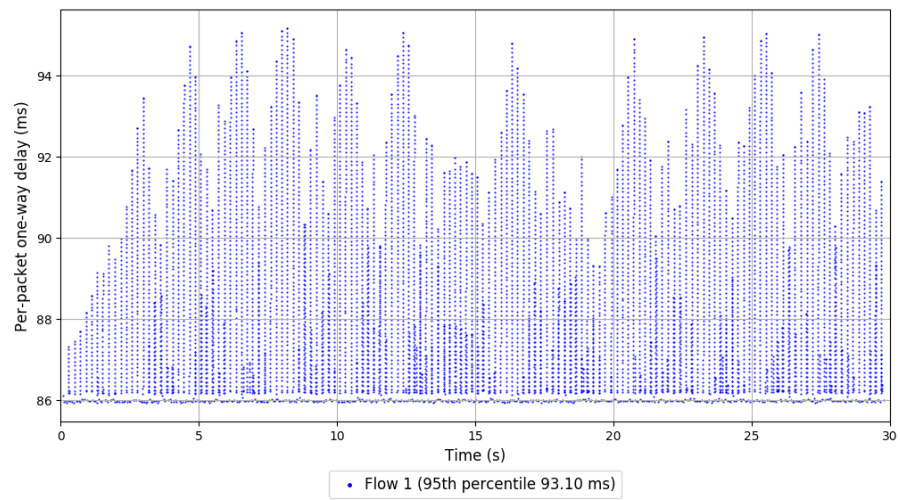
Run 8: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 80.24 ms)

```
Run 9: Statistics of WebRTC media

Start at: 2018-01-25 23:27:30
End at: 2018-01-25 23:28:00
Local clock offset: 0.319 ms
Remote clock offset: -5.544 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 83.941 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 83.941 ms
Loss rate: 0.67%
```
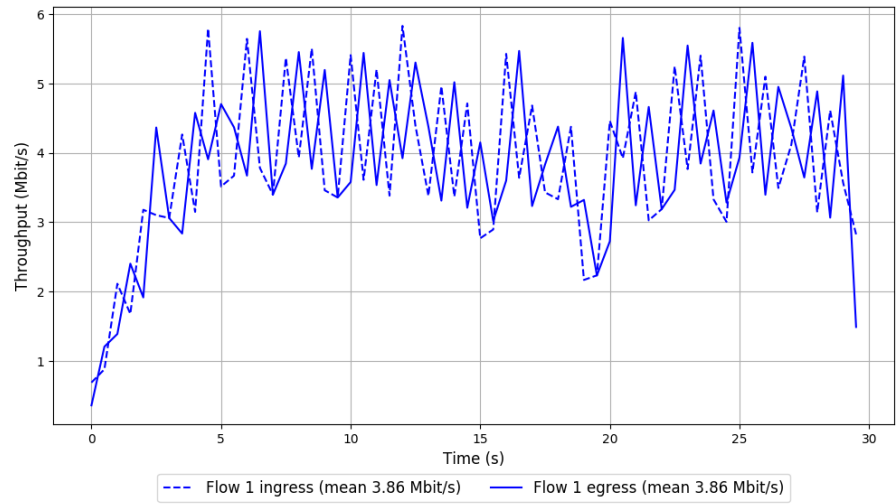
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-01-25 23:47:14
End at: 2018-01-25 23:47:44
Local clock offset: 0.219 ms
Remote clock offset: 0.098 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 79.952 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 79.952 ms
Loss rate: 0.61%
```

Run 10: Report of WebRTC media — Data Link

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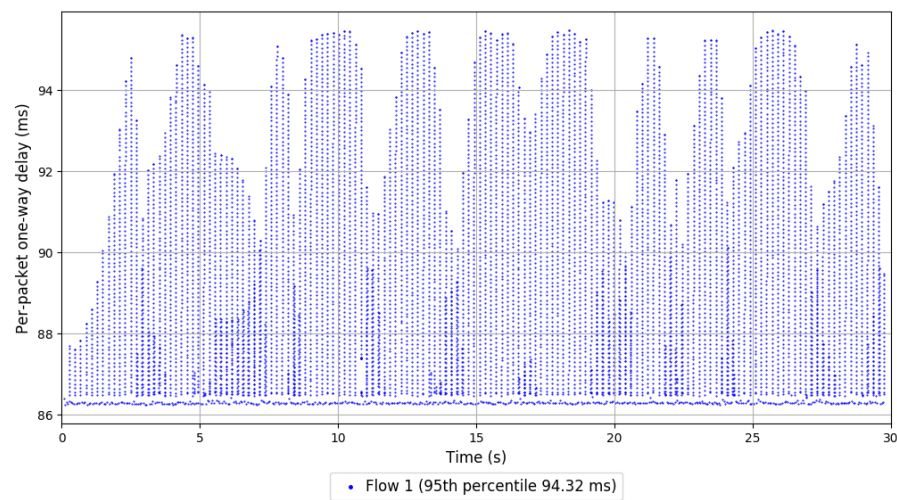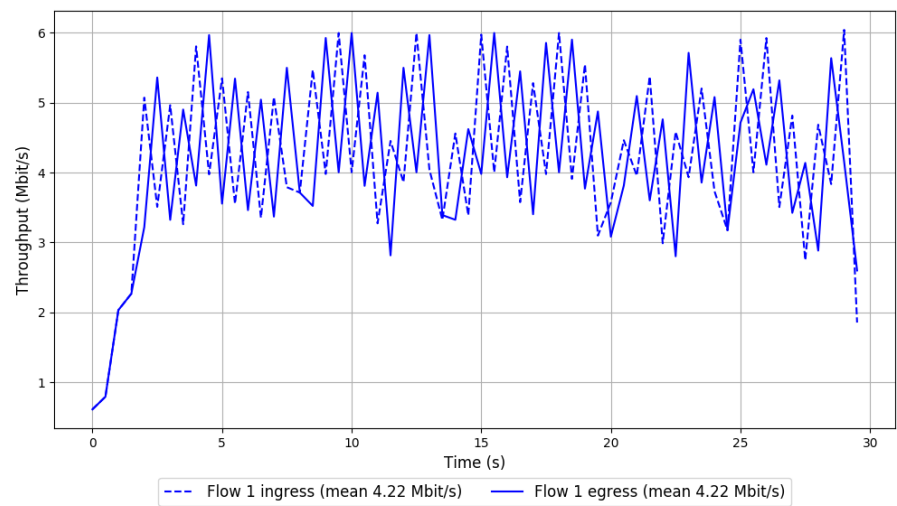

Flow 1 (95th percentile 79.95 ms)

```
Run 1: Statistics of Sprout

Start at: 2018-01-25 20:41:18
End at: 2018-01-25 20:41:48
Local clock offset: 1.201 ms
Remote clock offset: -6.312 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 93.103 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 93.103 ms
Loss rate: 0.58%
```
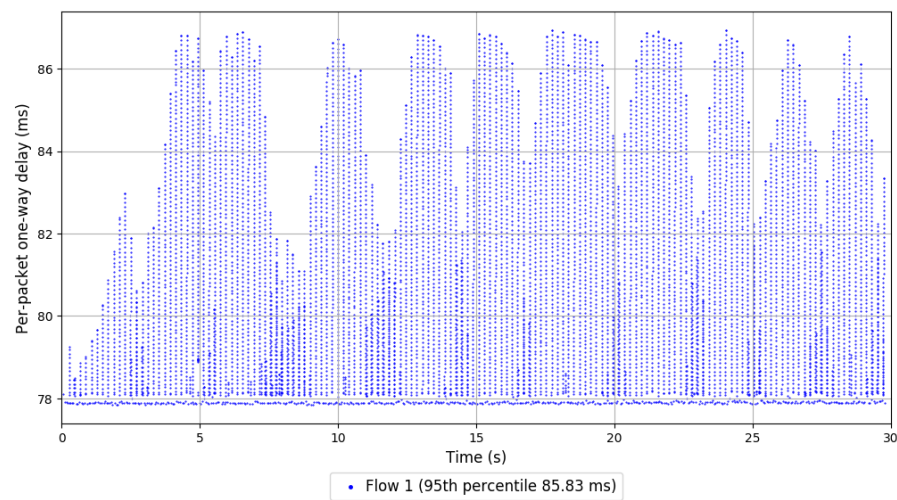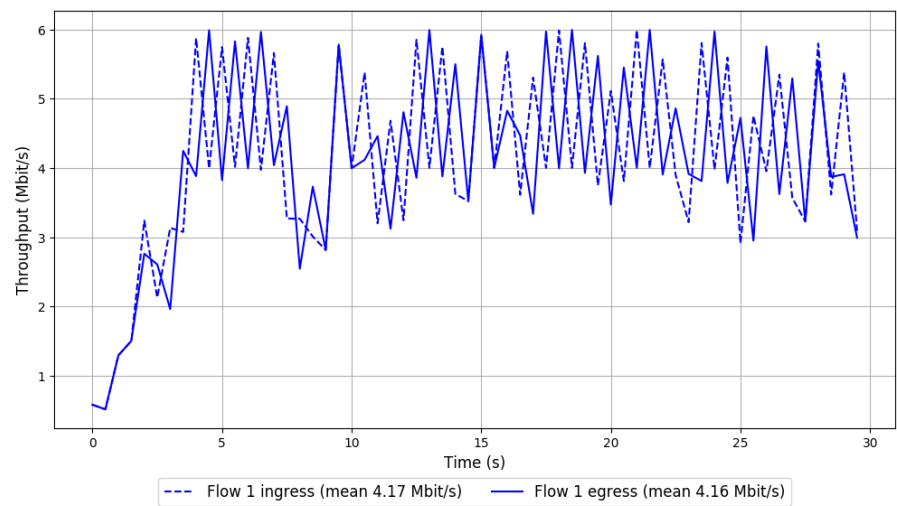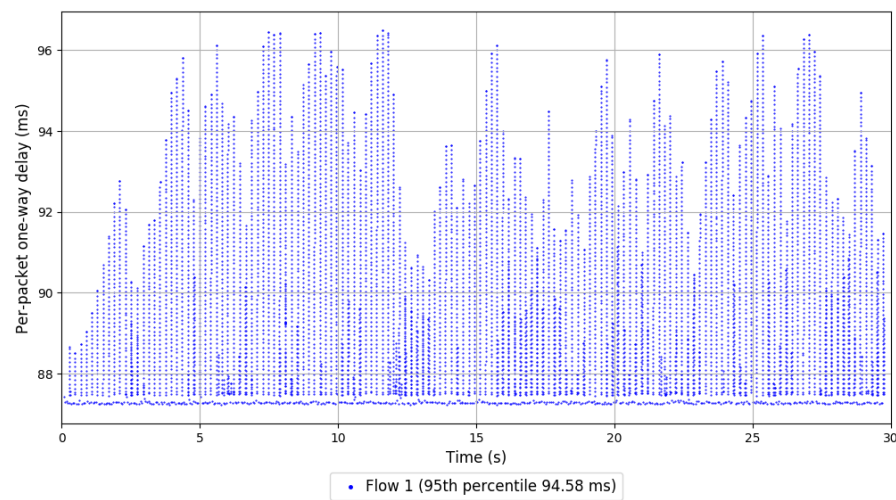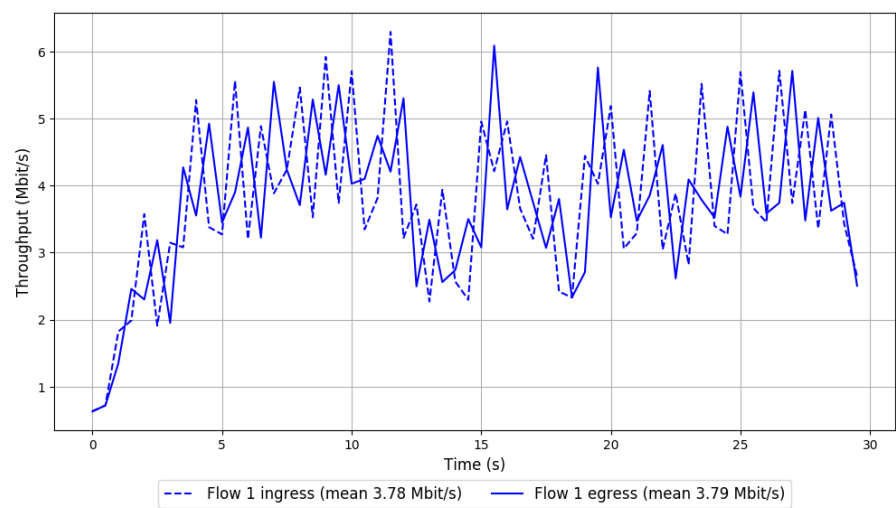
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-01-25 21:01:04
End at: 2018-01-25 21:01:34
Local clock offset: 1.07 ms
Remote clock offset: -6.571 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 94.319 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 94.319 ms
Loss rate: 0.45%
```

Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2018-01-25 21:20:41
End at: 2018-01-25 21:21:11
Local clock offset: 0.825 ms
Remote clock offset: 0.339 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 85.832 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 85.832 ms
Loss rate: 0.63%
```
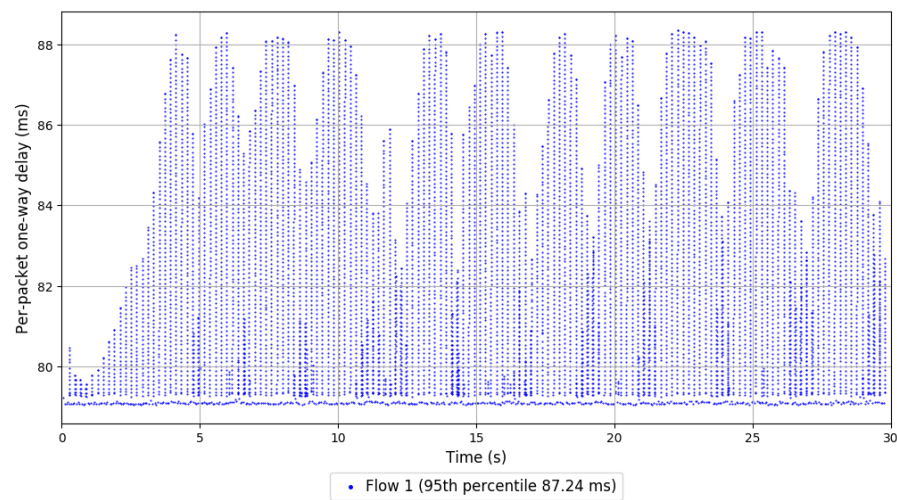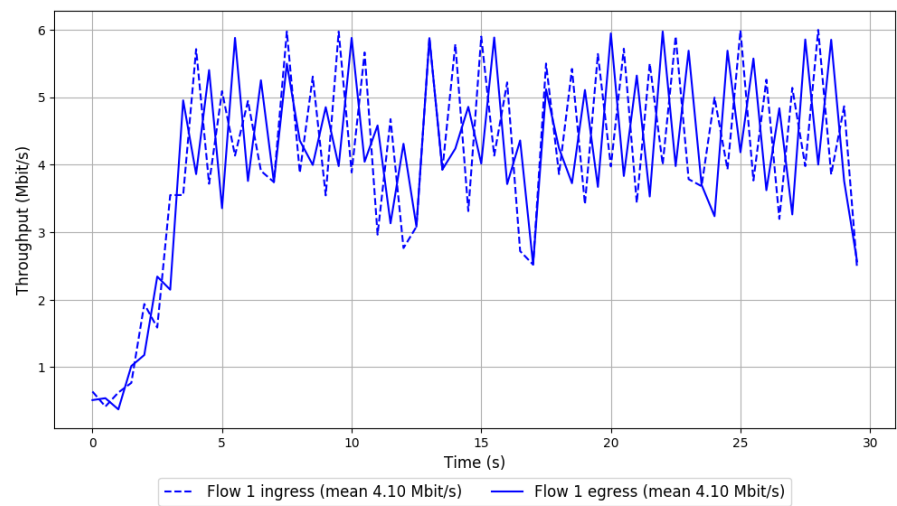
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 4.17 Mbit/s) ----- Flow 1 egress (mean 4.16 Mbit/s) ——

Flow 1 (95th percentile 85.83 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-01-25 21:40:16
End at: 2018-01-25 21:40:46
Local clock offset: 0.597 ms
Remote clock offset: -5.359 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 94.579 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 94.579 ms
Loss rate: 0.56%
```
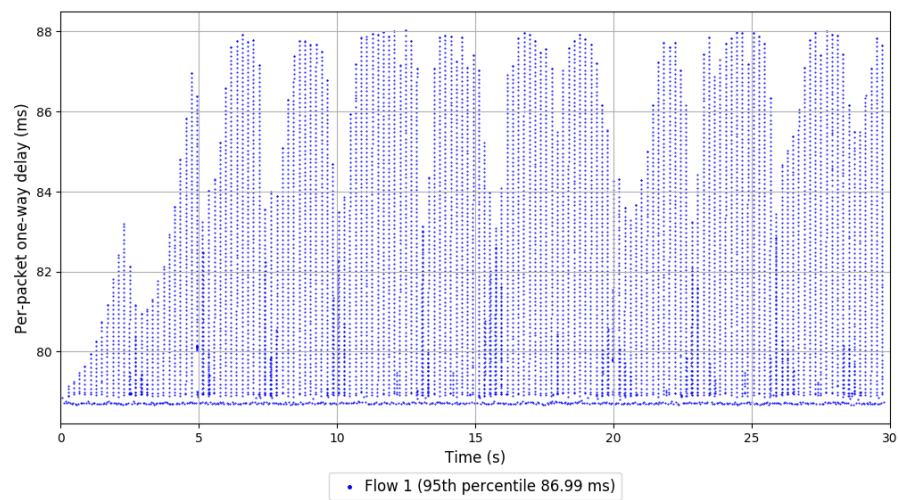
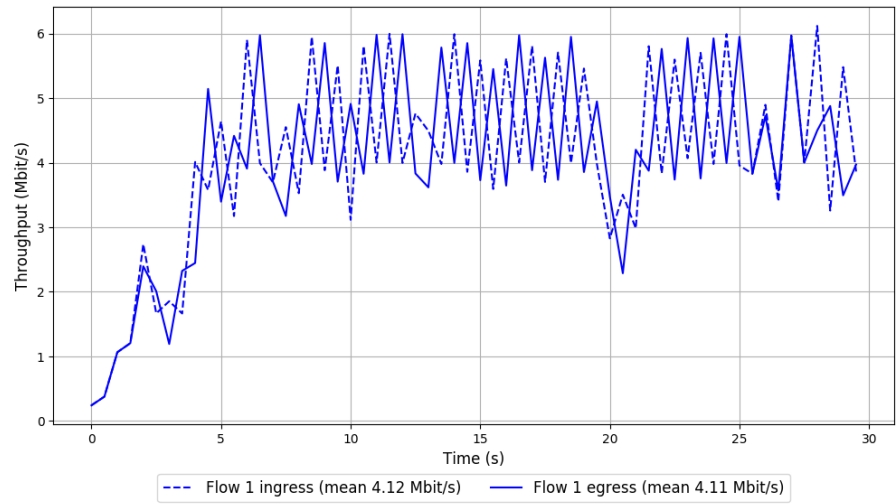Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2018-01-25 22:00:08
End at: 2018-01-25 22:00:38
Local clock offset: 0.525 ms
Remote clock offset: -0.553 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 87.240 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 87.240 ms
Loss rate: 0.41%
```
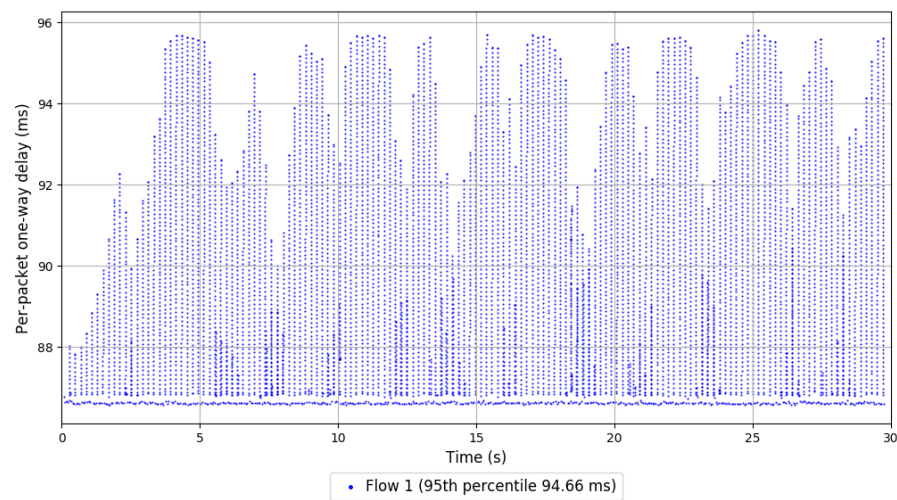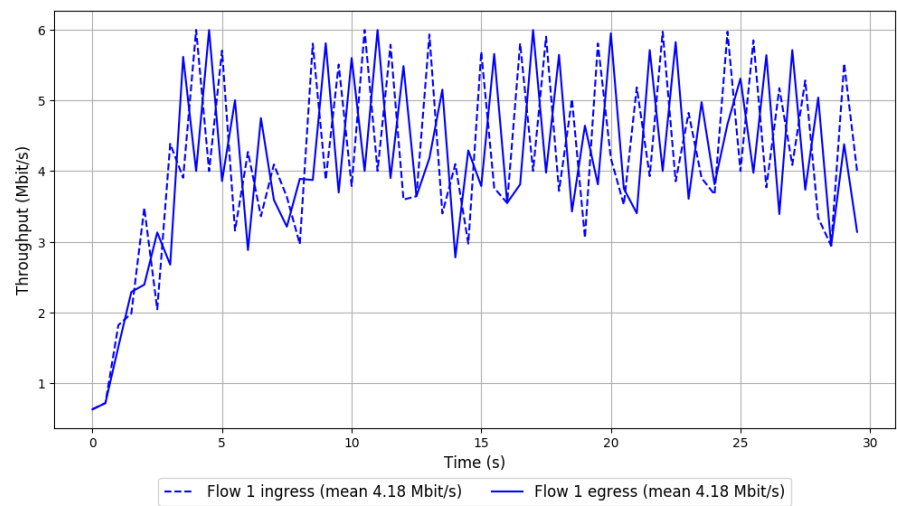
Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 4.10 Mbit/s) ---- Flow 1 egress (mean 4.10 Mbit/s)

Flow 1 (95th percentile 87.24 ms)

```
Run 6: Statistics of Sprout

Start at: 2018-01-25 22:19:43
End at: 2018-01-25 22:20:13
Local clock offset: 0.47 ms
Remote clock offset: -0.213 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 86.986 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 86.986 ms
Loss rate: 0.76%
```

Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2018-01-25 22:39:25
End at: 2018-01-25 22:39:55
Local clock offset: 0.452 ms
Remote clock offset: -5.163 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 94.656 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 94.656 ms
Loss rate: 0.80%
```
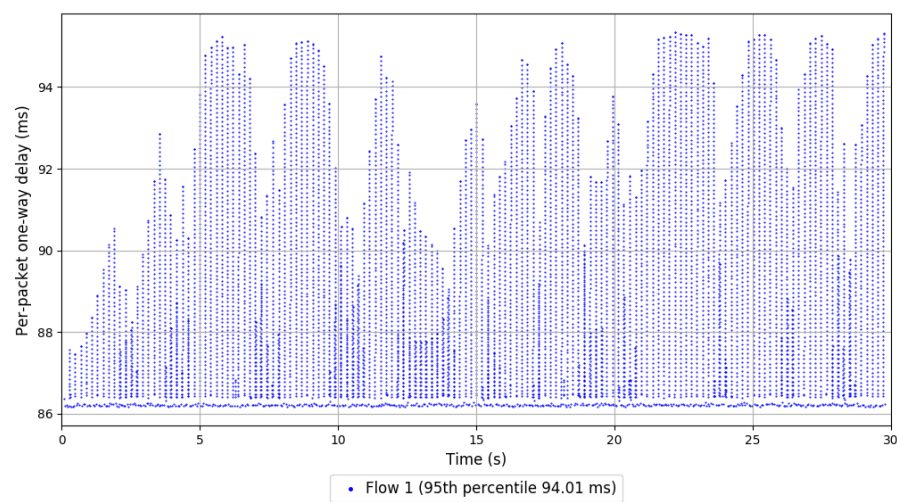
Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2018-01-25 22:59:12
End at: 2018-01-25 22:59:42
Local clock offset: 0.398 ms
Remote clock offset: -6.18 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 94.008 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 94.008 ms
Loss rate: 0.85%
```
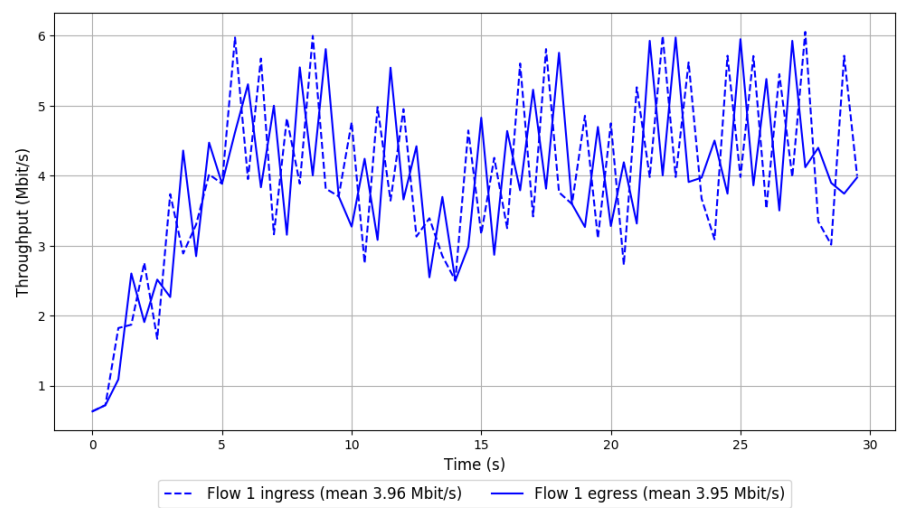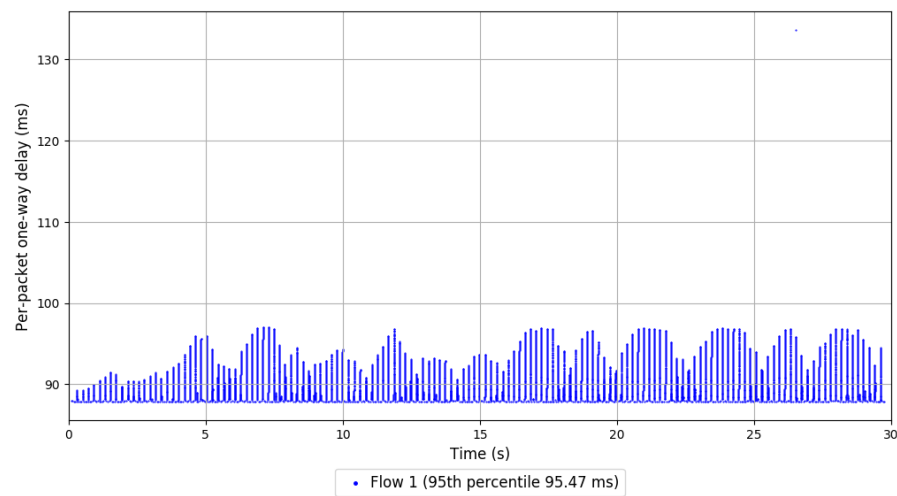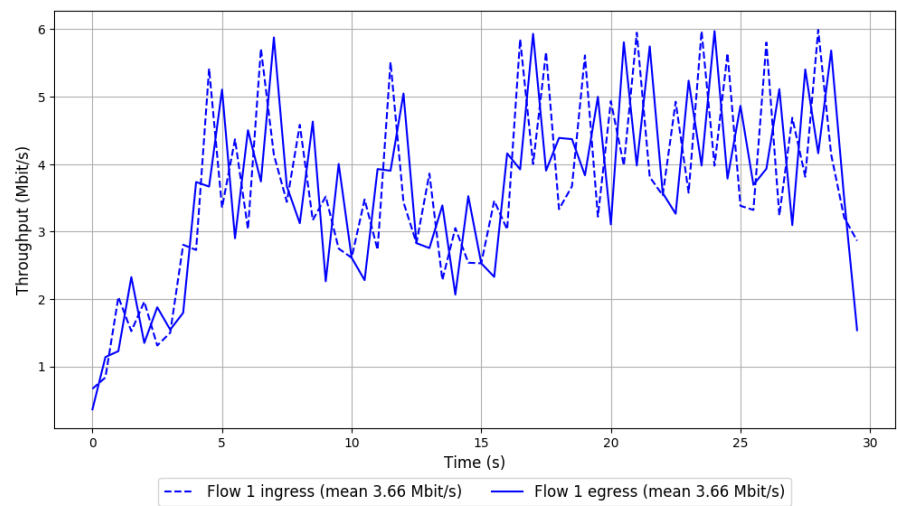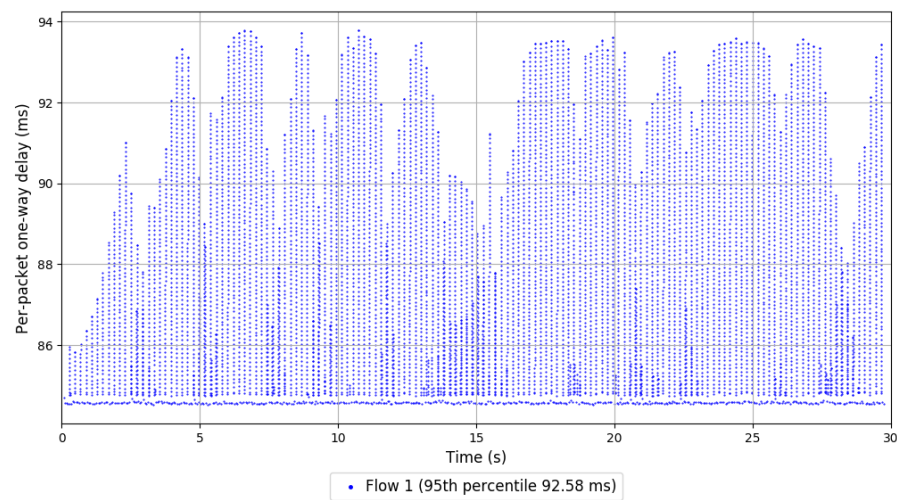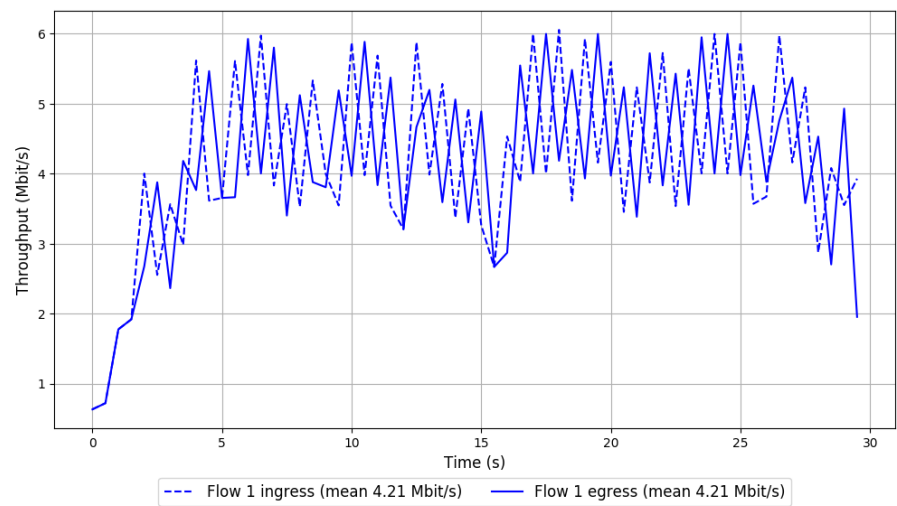
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-01-25 23:18:54
End at: 2018-01-25 23:19:24
Local clock offset: 0.357 ms
Remote clock offset: -6.358 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 95.468 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 95.468 ms
Loss rate: 0.61%
```

Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-01-25 23:38:38
End at: 2018-01-25 23:39:08
Local clock offset: 0.293 ms
Remote clock offset: -6.431 ms


# Below is generated by plot.py at 2018-01-26 09:53:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 92.578 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 92.578 ms
Loss rate: 0.79%
```

Run 10: Report of Sprout — Data Link

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

Start at: 2018-01-25 20:36:19
End at: 2018-01-25 20:36:49
Local clock offset: 1.242 ms
Remote clock offset: -1.577 ms


# Below is generated by plot.py at 2018-01-26 09:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.04 Mbit/s
95th percentile per-packet one-way delay: 89.789 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 70.04 Mbit/s
95th percentile per-packet one-way delay: 89.789 ms
Loss rate: 0.69%
```
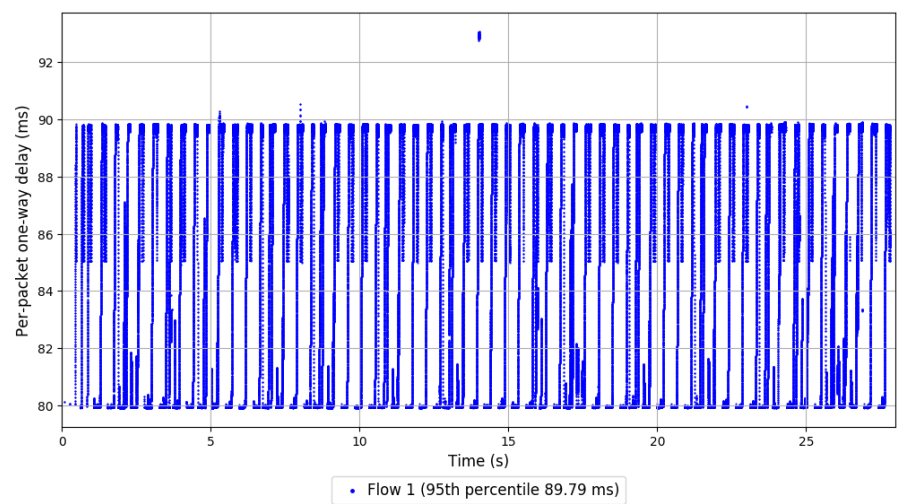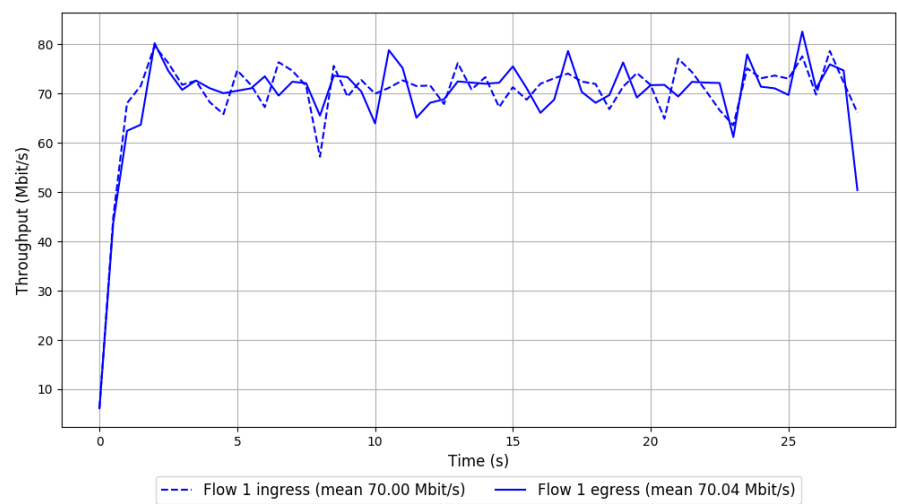
Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2018-01-25 20:56:03
End at: 2018-01-25 20:56:33
Local clock offset: 1.118 ms
Remote clock offset: -5.658 ms


# Below is generated by plot.py at 2018-01-26 09:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.27 Mbit/s
95th percentile per-packet one-way delay: 97.382 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 71.27 Mbit/s
95th percentile per-packet one-way delay: 97.382 ms
Loss rate: 0.93%
```
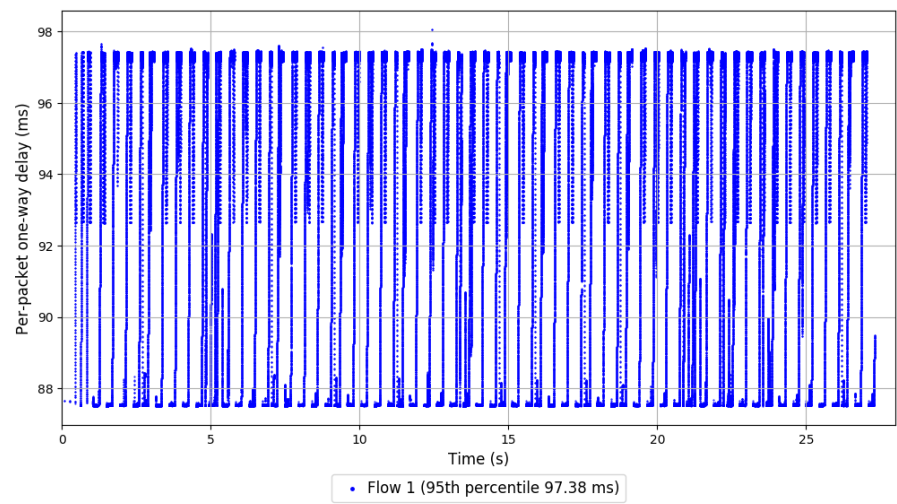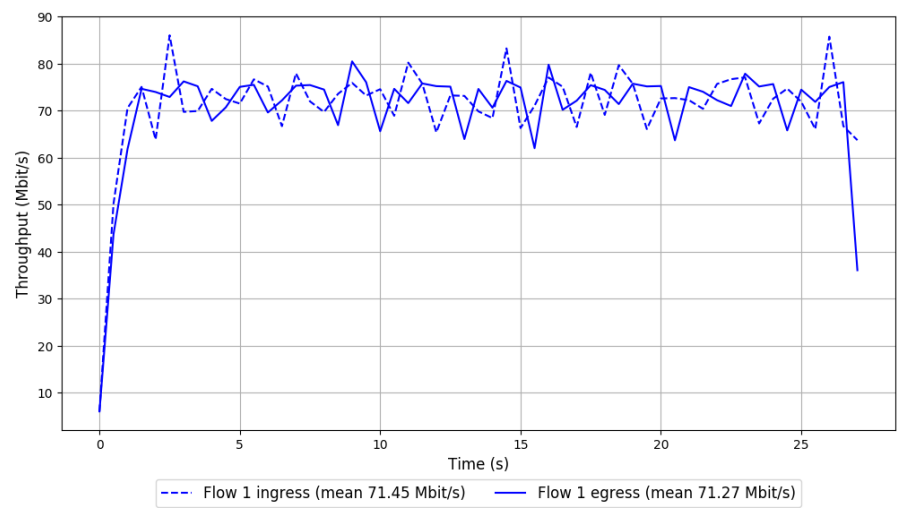
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.45 Mbit/s)   Flow 1 egress (mean 71.27 Mbit/s)
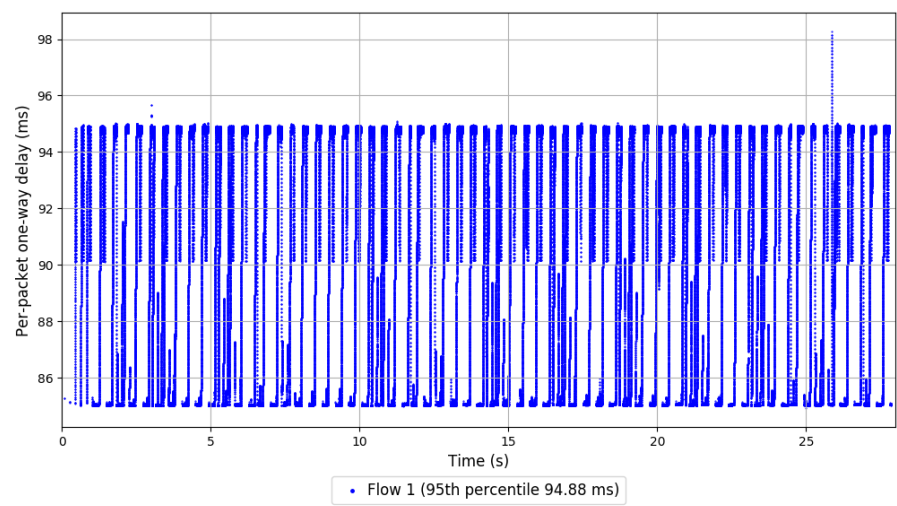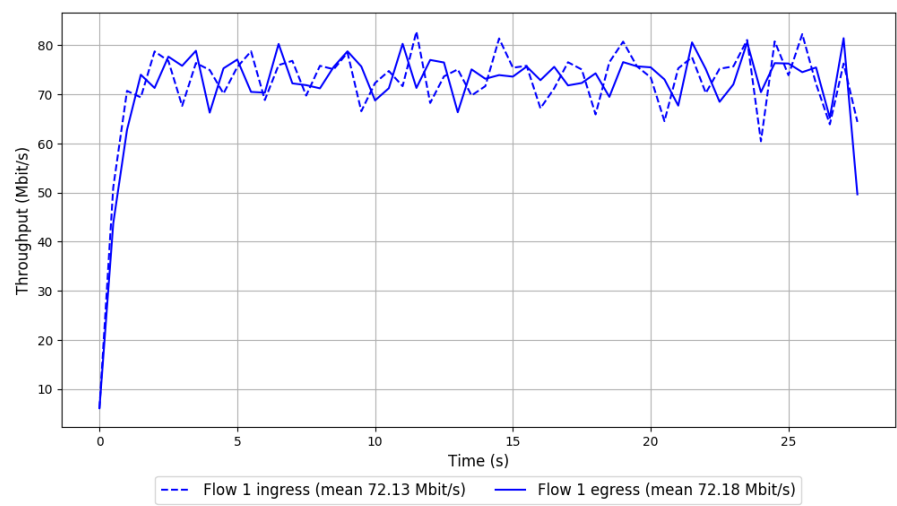

• Flow 1 (95th percentile 97.38 ms)

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

Start at: 2018-01-25 21:15:41
End at: 2018-01-25 21:16:11
Local clock offset: 0.924 ms
Remote clock offset: -6.408 ms


# Below is generated by plot.py at 2018-01-26 09:54:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 94.876 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 94.876 ms
Loss rate: 0.57%
```
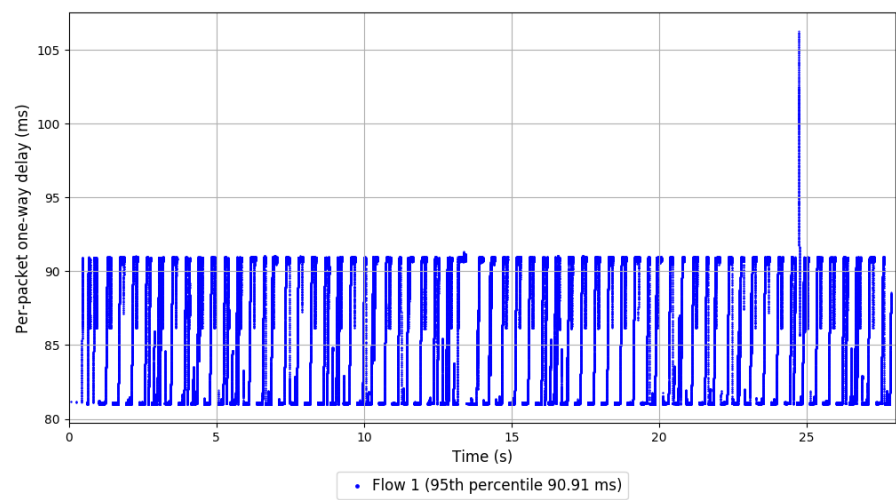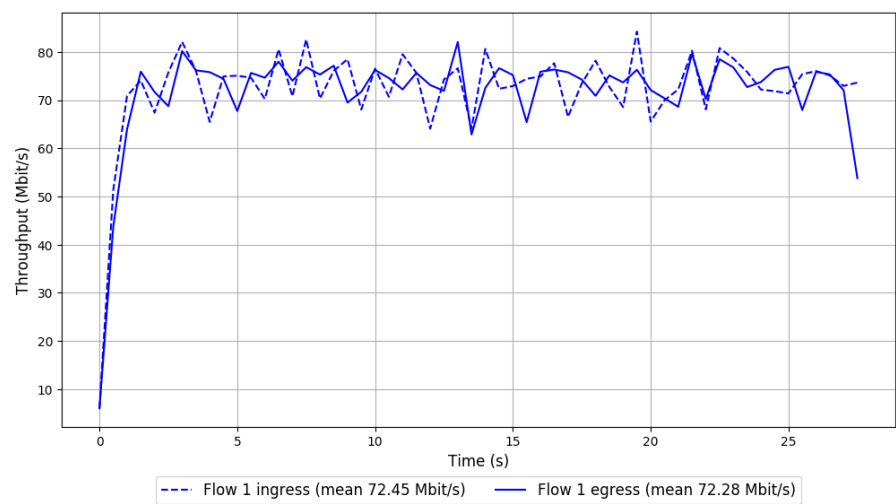
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 72.13 Mbit/s)   Flow 1 egress (mean 72.18 Mbit/s)

• Flow 1 (95th percentile 94.88 ms)

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

Start at: 2018-01-25 21:35:16
End at: 2018-01-25 21:35:46
Local clock offset: 0.694 ms
Remote clock offset: -0.614 ms


# Below is generated by plot.py at 2018-01-26 09:54:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.28 Mbit/s
95th percentile per-packet one-way delay: 90.906 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 72.28 Mbit/s
95th percentile per-packet one-way delay: 90.906 ms
Loss rate: 0.84%
```
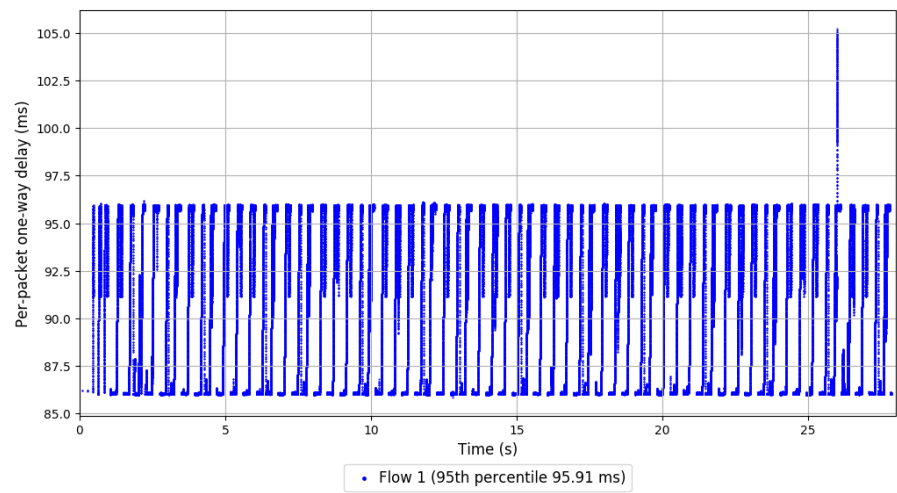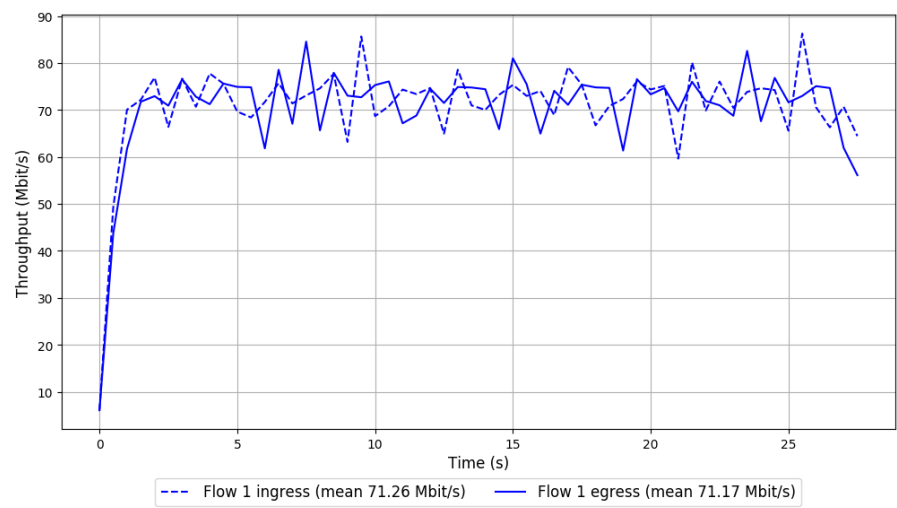
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 72.45 Mbit/s) -------- Flow 1 egress (mean 72.28 Mbit/s) ——————

Flow 1 (95th percentile 90.91 ms)

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

Start at: 2018-01-25 21:55:08
End at: 2018-01-25 21:55:38
Local clock offset: 0.576 ms
Remote clock offset: -5.317 ms


# Below is generated by plot.py at 2018-01-26 09:54:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.17 Mbit/s
95th percentile per-packet one-way delay: 95.908 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 71.17 Mbit/s
95th percentile per-packet one-way delay: 95.908 ms
Loss rate: 0.61%
```

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

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

Start at: 2018-01-25 22:14:43
End at: 2018-01-25 22:15:13
Local clock offset: 0.447 ms
Remote clock offset: -0.082 ms


# Below is generated by plot.py at 2018-01-26 09:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 88.401 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 88.401 ms
Loss rate: 0.60%
```
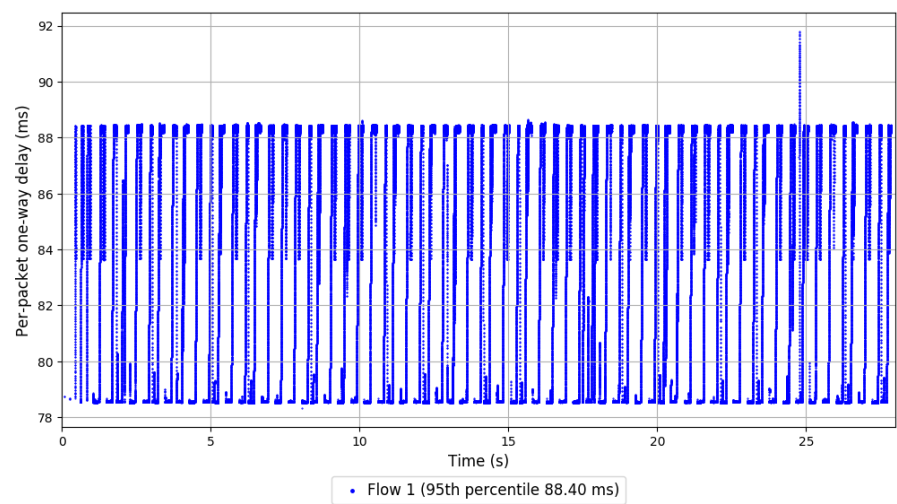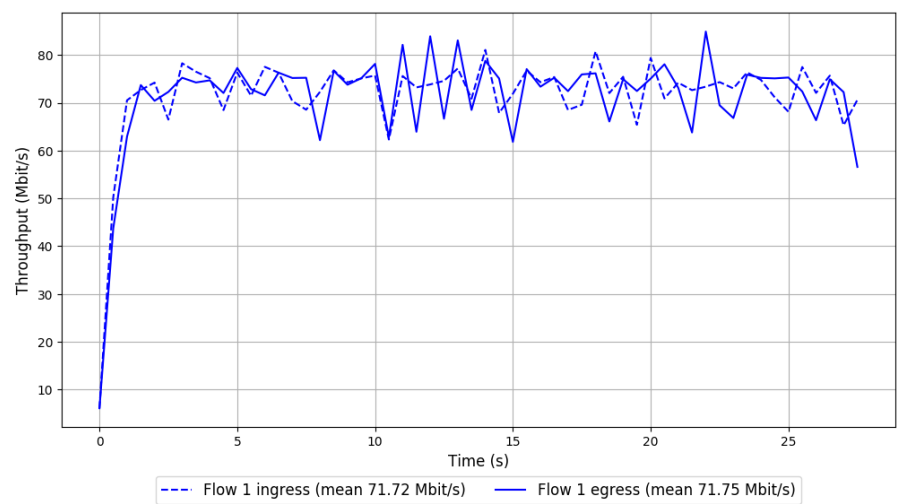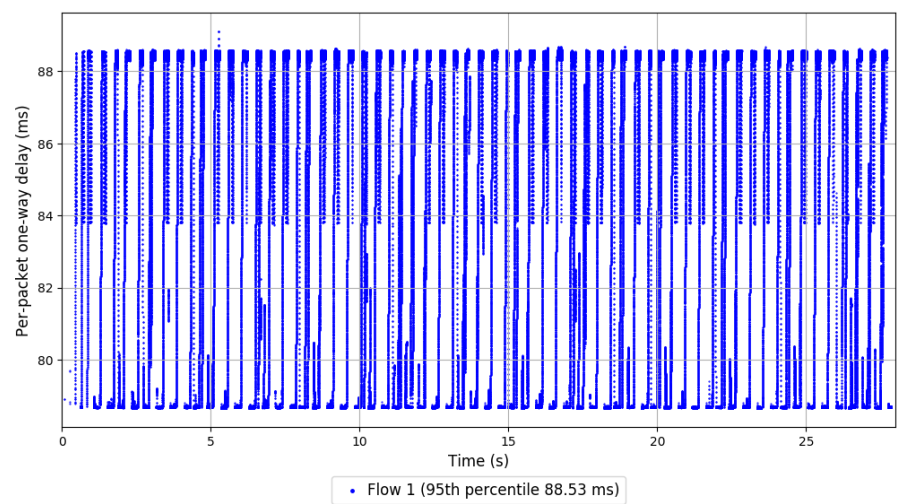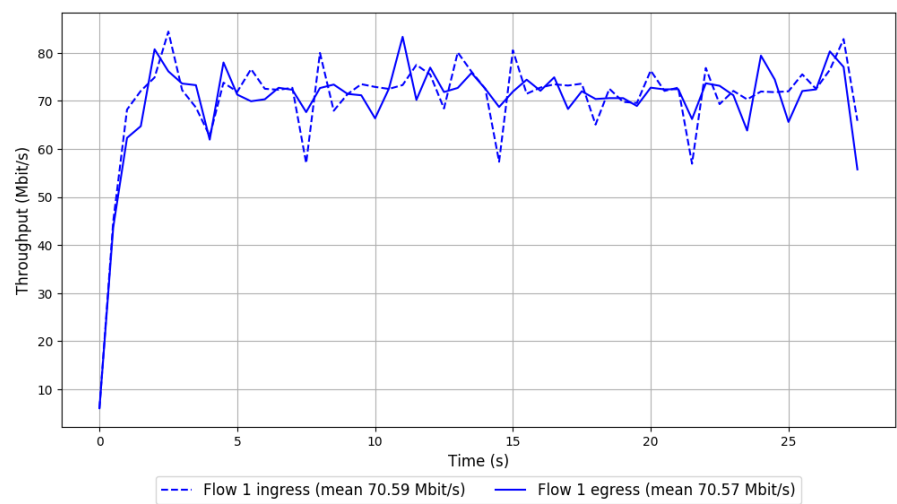
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.72 Mbit/s) ----- Flow 1 egress (mean 71.75 Mbit/s) ———

• Flow 1 (95th percentile 88.40 ms)

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

Start at: 2018-01-25 22:34:25
End at: 2018-01-25 22:34:55
Local clock offset: 0.468 ms
Remote clock offset: -0.352 ms


# Below is generated by plot.py at 2018-01-26 09:55:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 88.530 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 88.530 ms
Loss rate: 0.67%
```
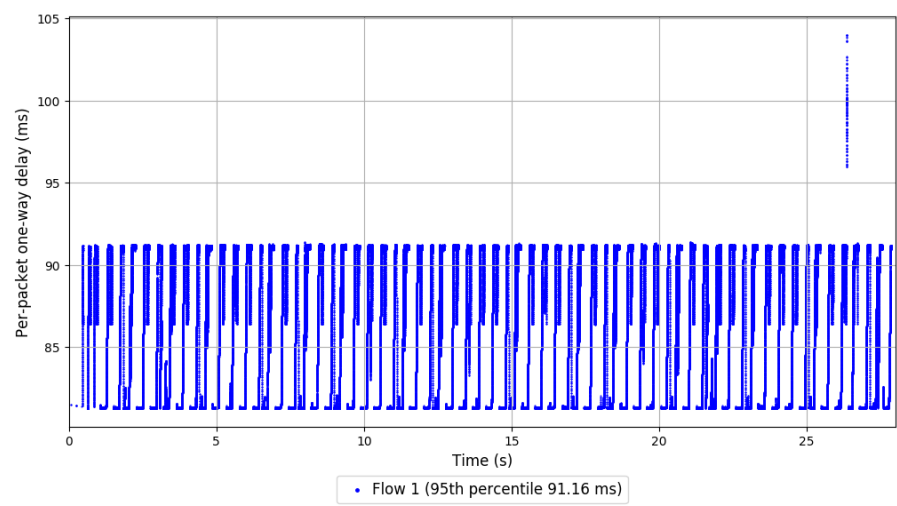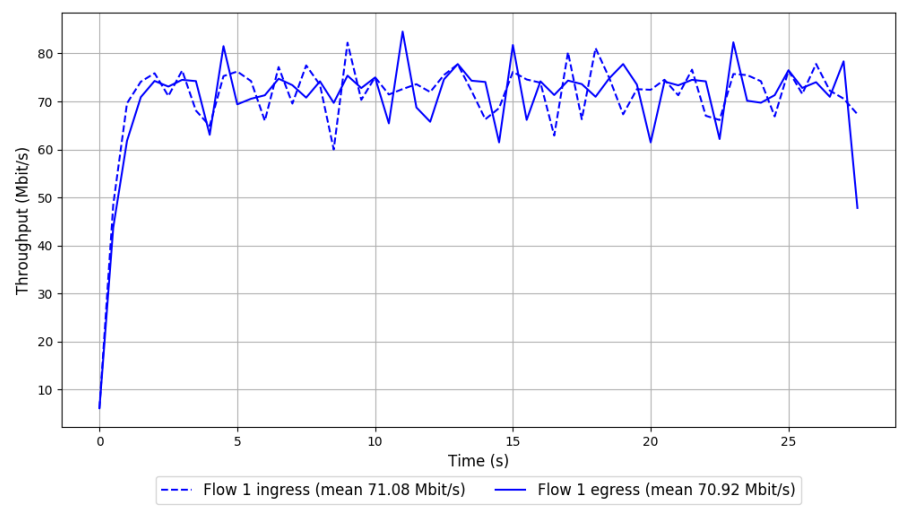
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 70.59 Mbit/s)   Flow 1 egress (mean 70.57 Mbit/s)

Flow 1 (95th percentile 88.53 ms)

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

Start at: 2018-01-25 22:54:08
End at: 2018-01-25 22:54:38
Local clock offset: 0.393 ms
Remote clock offset: -1.312 ms


# Below is generated by plot.py at 2018-01-26 09:55:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.92 Mbit/s
95th percentile per-packet one-way delay: 91.159 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 70.92 Mbit/s
95th percentile per-packet one-way delay: 91.159 ms
Loss rate: 0.72%
```
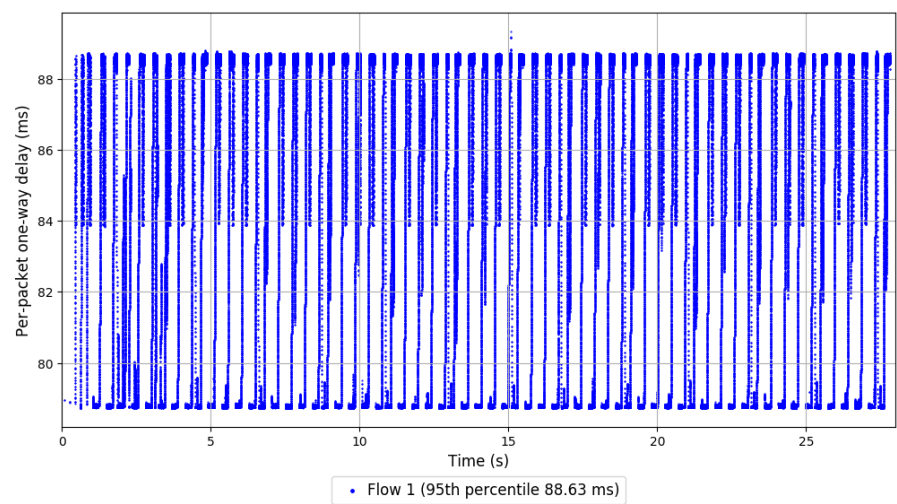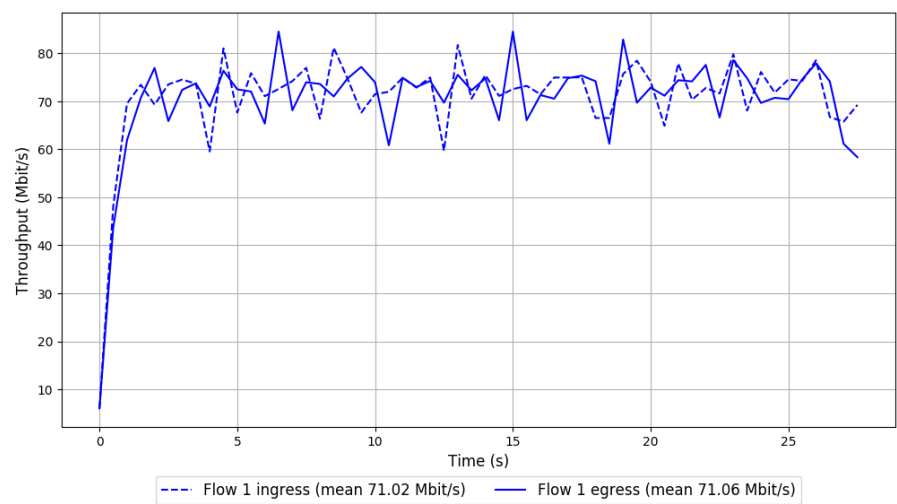
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.08 Mbit/s)   Flow 1 egress (mean 70.92 Mbit/s)

Flow 1 (95th percentile 91.16 ms)

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

Start at: 2018-01-25 23:13:58
End at: 2018-01-25 23:14:28
Local clock offset: 0.302 ms
Remote clock offset: -0.626 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 88.633 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 88.633 ms
Loss rate: 0.63%
```

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

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

Start at: 2018-01-25 23:33:39
End at: 2018-01-25 23:34:09
Local clock offset: 0.283 ms
Remote clock offset: -0.713 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.98 Mbit/s
95th percentile per-packet one-way delay: 92.186 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 70.98 Mbit/s
95th percentile per-packet one-way delay: 92.186 ms
Loss rate: 0.80%
```
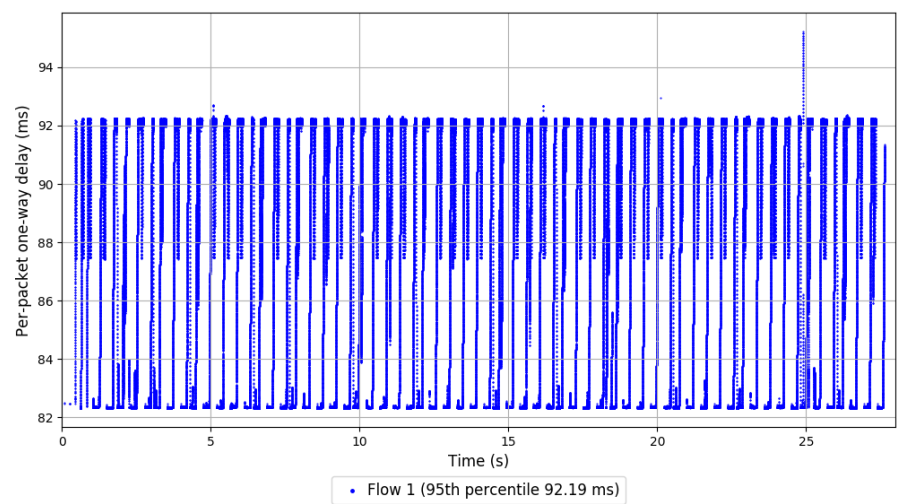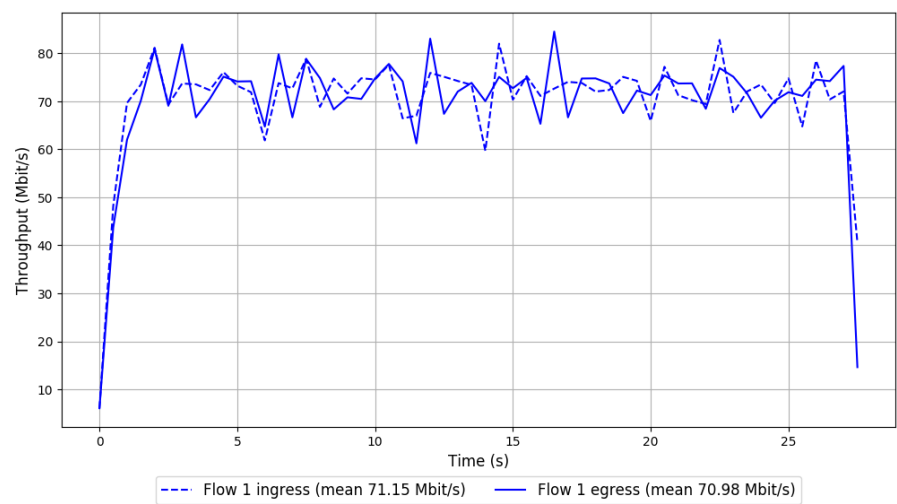
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.15 Mbit/s) --- Flow 1 egress (mean 70.98 Mbit/s)
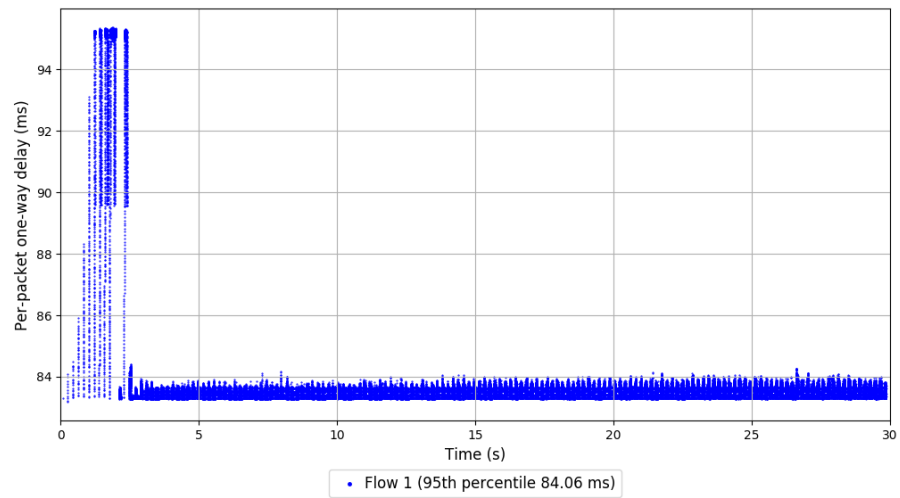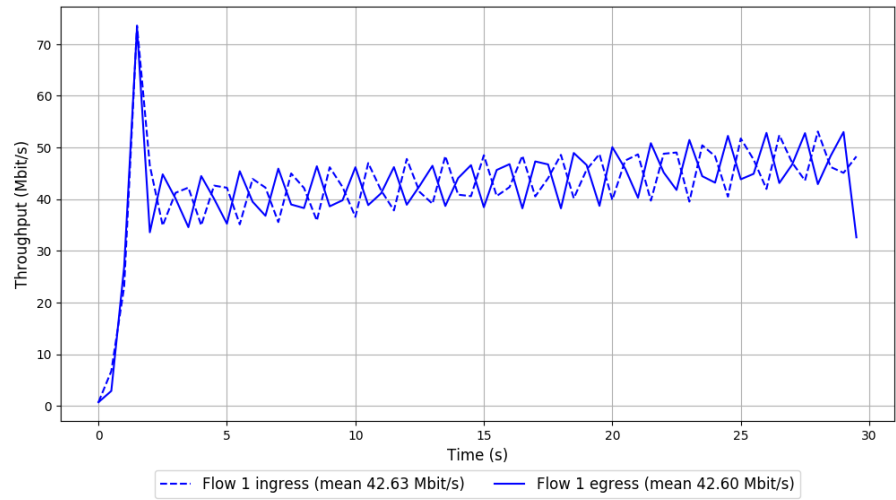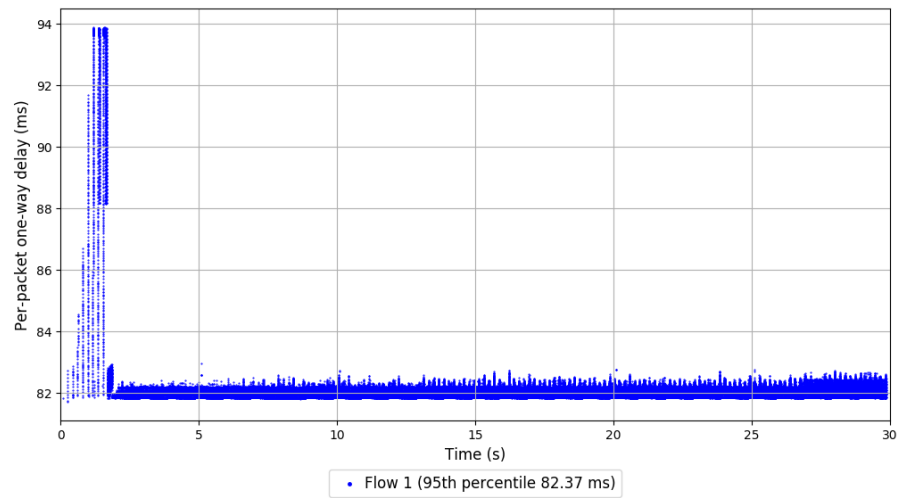

Flow 1 (95th percentile 92.19 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-01-25 20:37:35
End at: 2018-01-25 20:38:05
Local clock offset: 1.296 ms
Remote clock offset: -1.542 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 84.062 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 84.062 ms
Loss rate: 0.67%
```
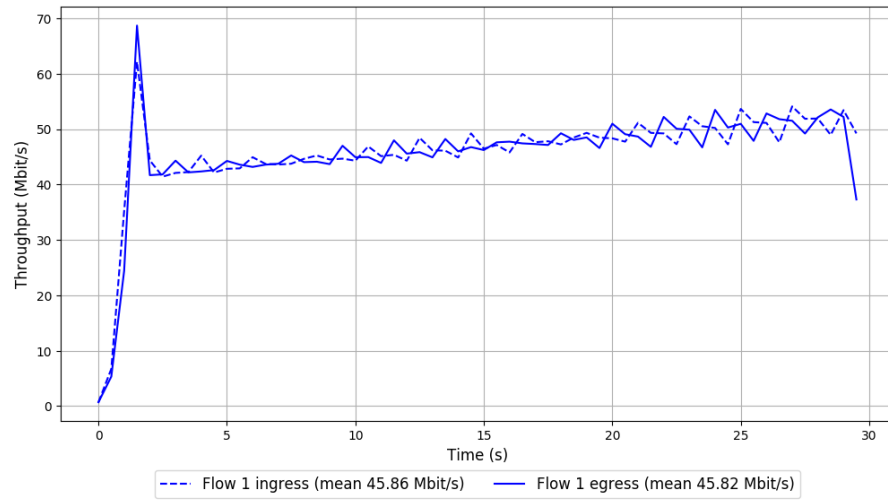
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-01-25 20:57:20
End at: 2018-01-25 20:57:50
Local clock offset: 1.049 ms
Remote clock offset: -1.717 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 82.368 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 82.368 ms
Loss rate: 0.69%
```

Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 45.86 Mbit/s) ----- Flow 1 egress (mean 45.82 Mbit/s)
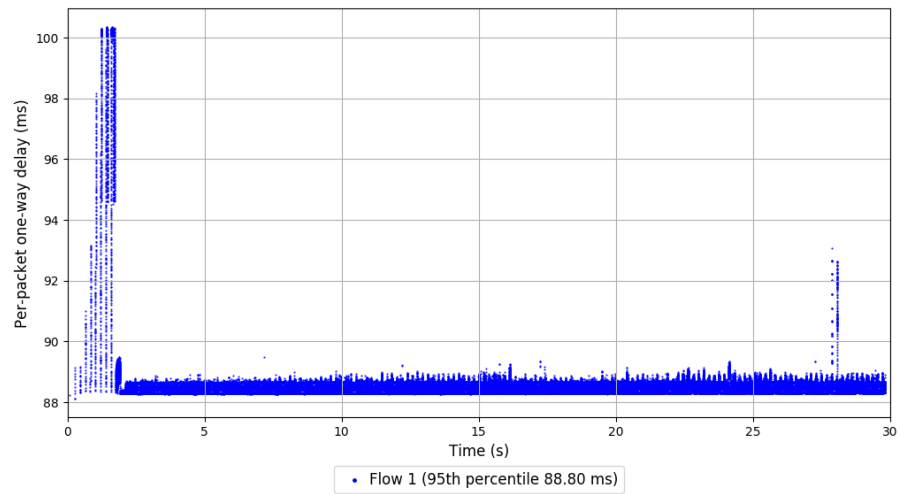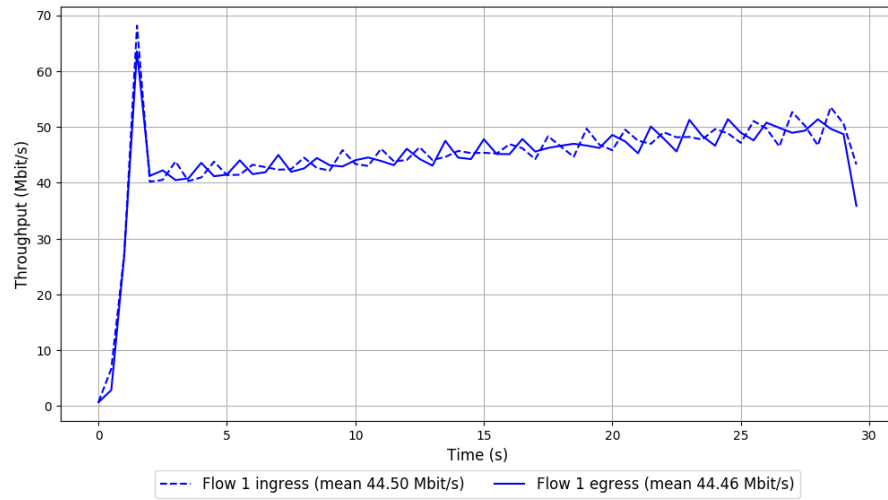

Flow 1 (95th percentile 82.37 ms)

```
Run 3: Statistics of TCP Vegas

Start at: 2018-01-25 21:16:57
End at: 2018-01-25 21:17:27
Local clock offset: 0.893 ms
Remote clock offset: -6.416 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 88.796 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 88.796 ms
Loss rate: 0.70%
```

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 44.50 Mbit/s)   Flow 1 egress (mean 44.46 Mbit/s)

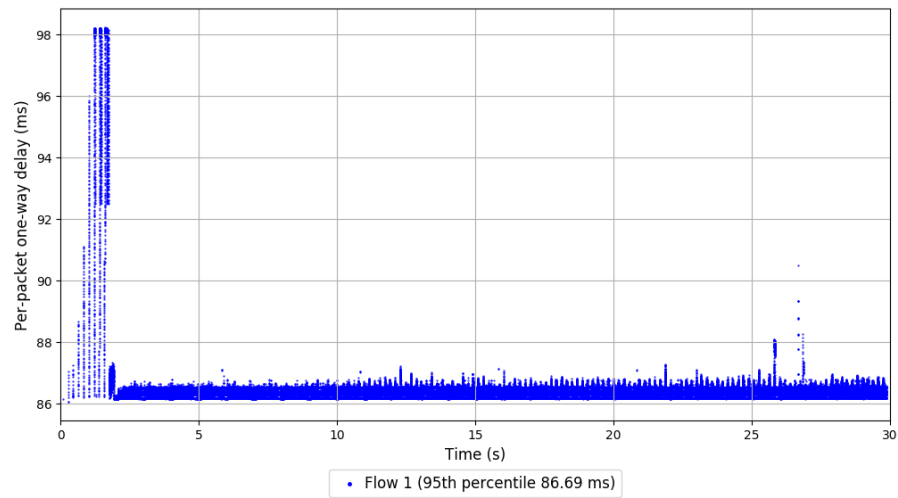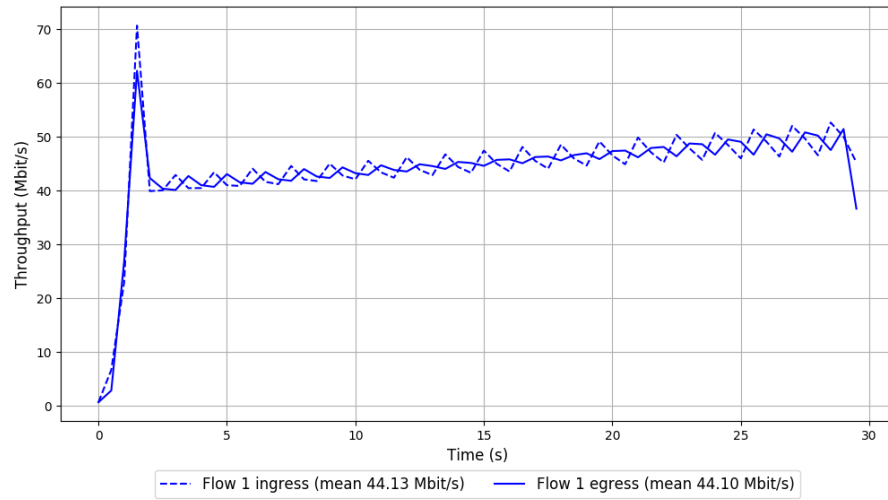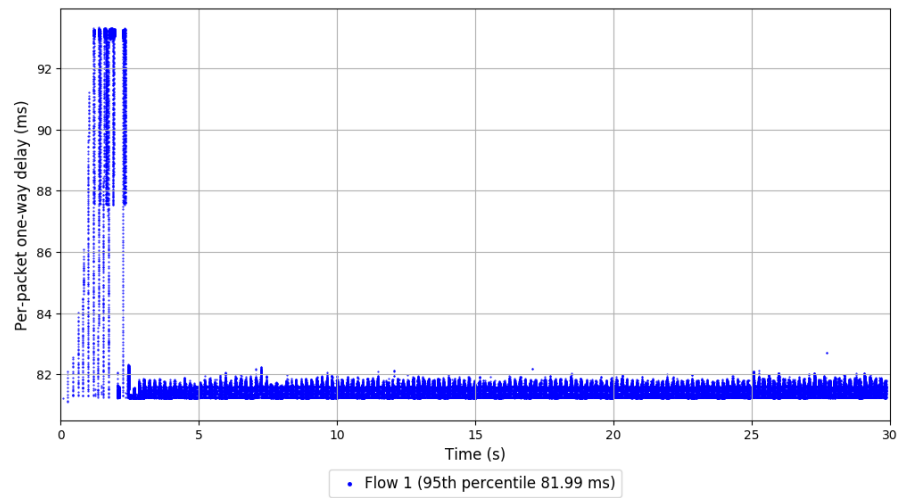Flow 1 (95th percentile 88.80 ms)

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```
Run 4: Statistics of TCP Vegas

Start at: 2018-01-25 21:36:33
End at: 2018-01-25 21:37:03
Local clock offset: 0.701 ms
Remote clock offset: -6.249 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 86.687 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 86.687 ms
Loss rate: 0.67%
```
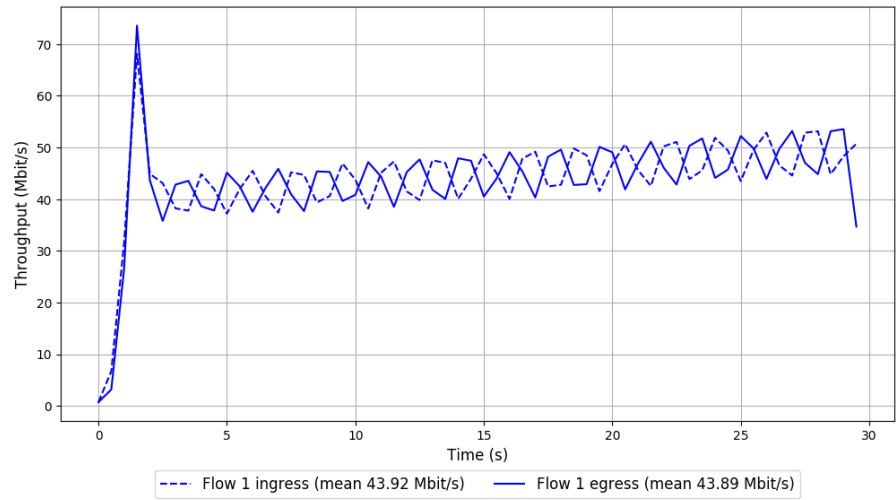
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2018-01-25 21:56:25
End at: 2018-01-25 21:56:55
Local clock offset: 0.557 ms
Remote clock offset: -0.514 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 81.991 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 81.991 ms
Loss rate: 0.68%
```

Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: 2018-01-25 22:16:00
End at: 2018-01-25 22:16:30
Local clock offset: 0.497 ms
Remote clock offset: 0.859 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 79.217 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 79.217 ms
Loss rate: 0.68%
```
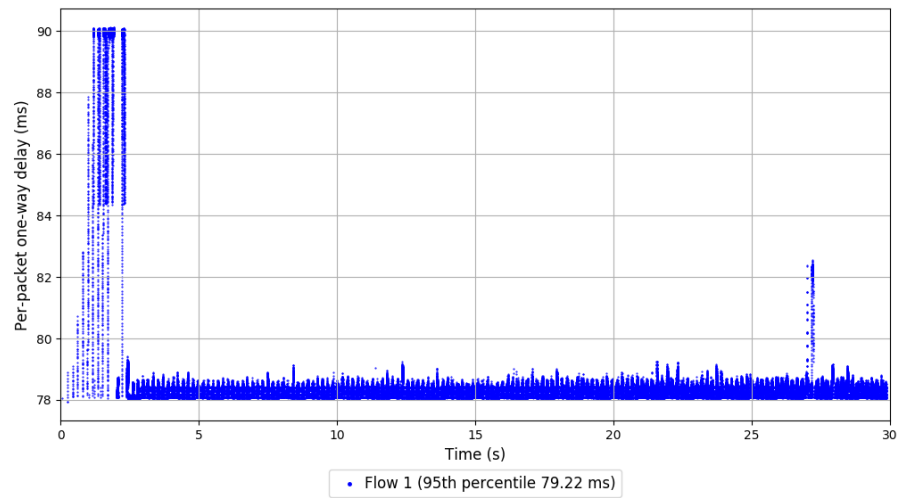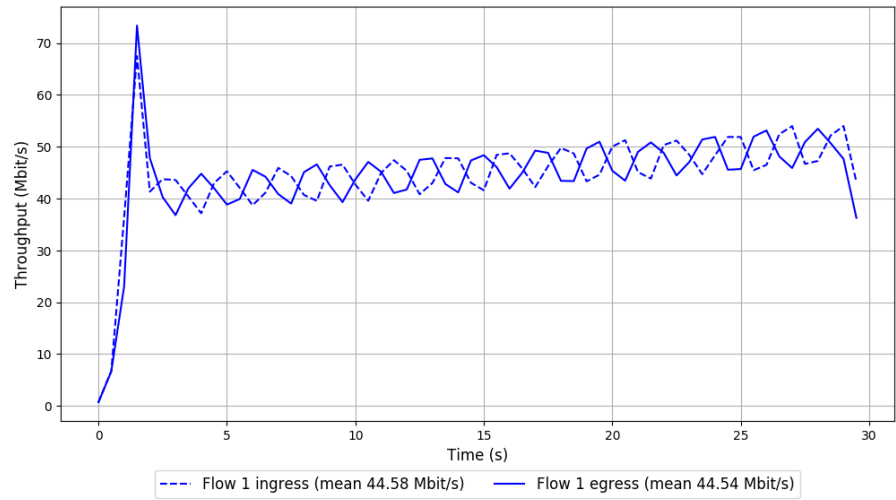
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 44.58 Mbit/s) —— Flow 1 egress (mean 44.54 Mbit/s)
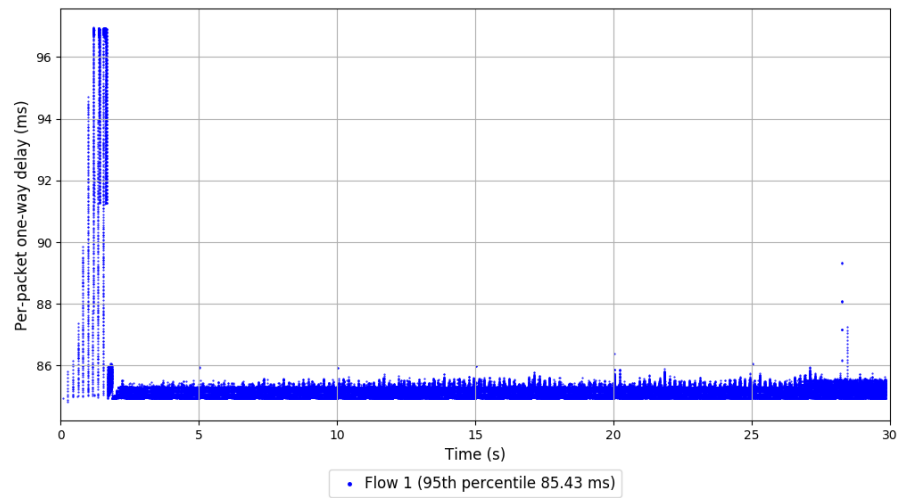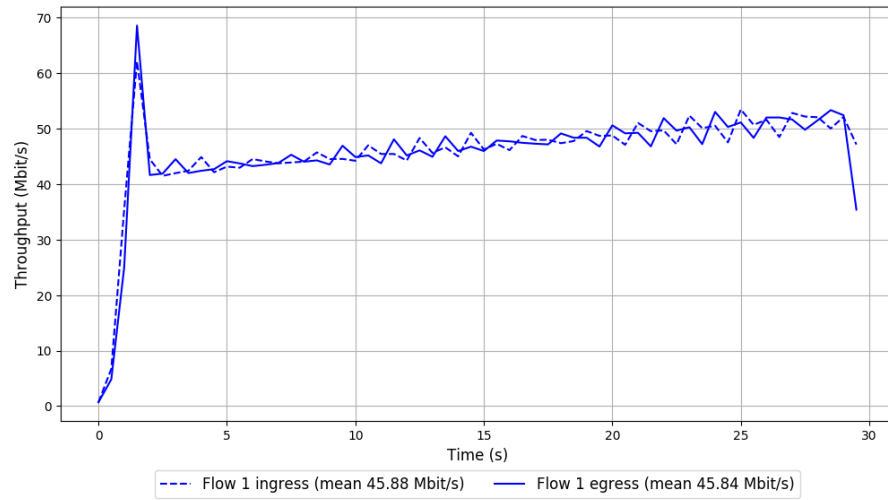

Flow 1 (95th percentile 79.22 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2018-01-25 22:35:42
End at: 2018-01-25 22:36:12
Local clock offset: 0.45 ms
Remote clock offset: -5.133 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 85.429 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 85.429 ms
Loss rate: 0.69%
```
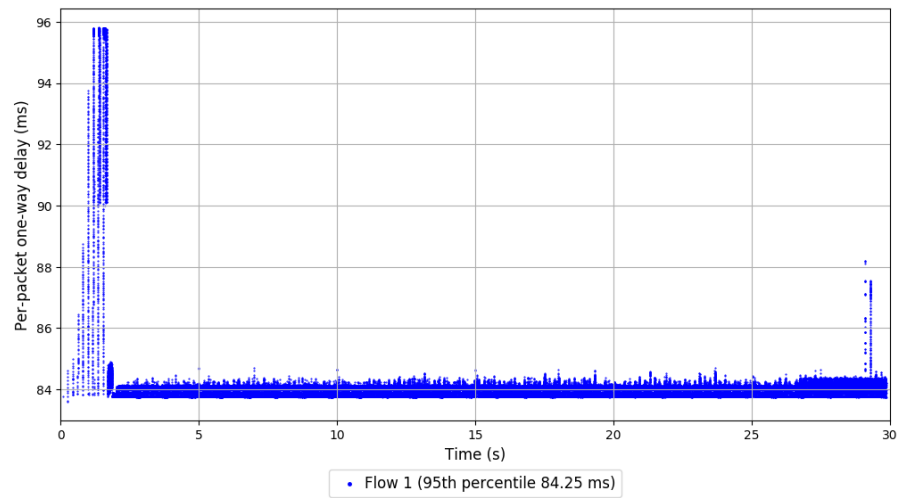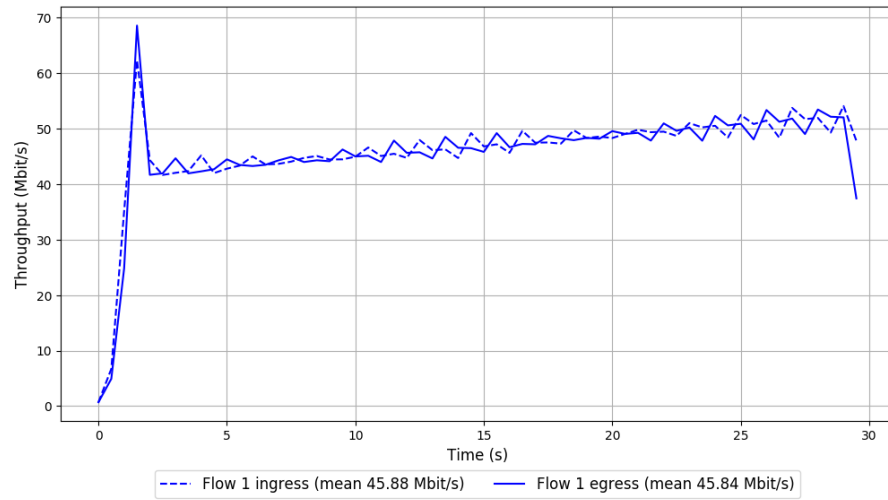
Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2018-01-25 22:55:29
End at: 2018-01-25 22:55:59
Local clock offset: 0.346 ms
Remote clock offset: -5.243 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 84.251 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 84.251 ms
Loss rate: 0.68%
```

Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 45.88 Mbit/s) ---- Flow 1 egress (mean 45.84 Mbit/s)
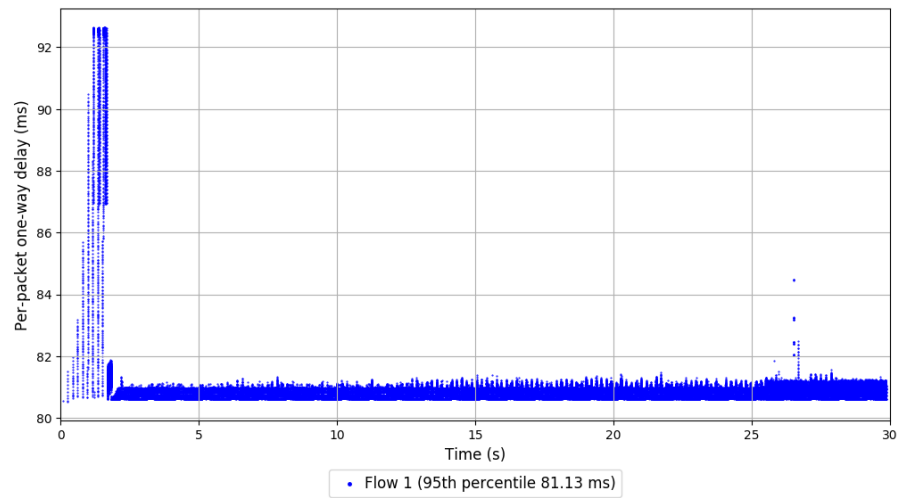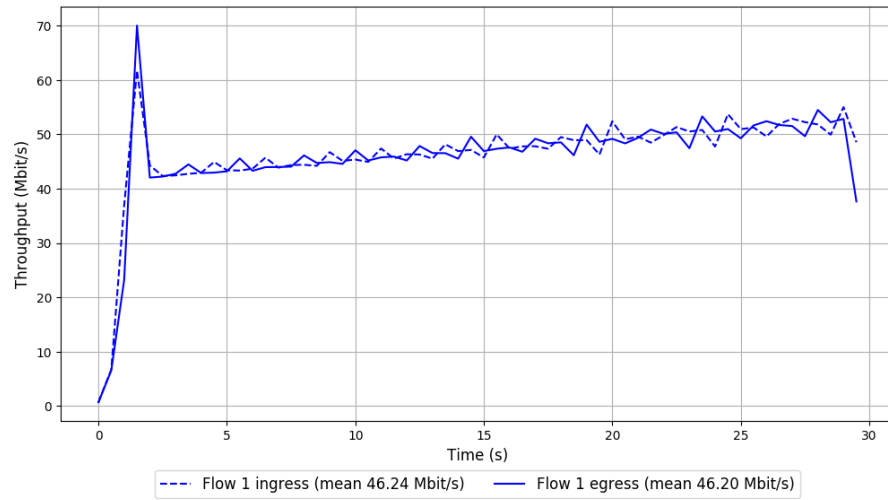

Flow 1 (95th percentile 84.25 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-01-25 23:15:15
End at: 2018-01-25 23:15:45
Local clock offset: 0.371 ms
Remote clock offset: -0.694 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 81.133 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 81.133 ms
Loss rate: 0.69%
```
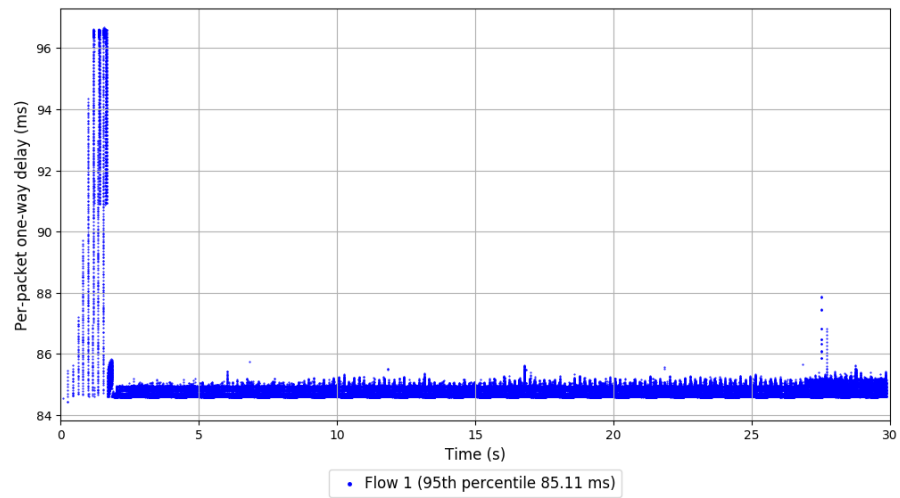
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 46.24 Mbit/s) —— Flow 1 egress (mean 46.20 Mbit/s)

· Flow 1 (95th percentile 81.13 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2018-01-25 23:34:55
End at: 2018-01-25 23:35:25
Local clock offset: 0.236 ms
Remote clock offset: -6.5 ms


# Below is generated by plot.py at 2018-01-26 09:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 85.108 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 85.108 ms
Loss rate: 0.68%
```
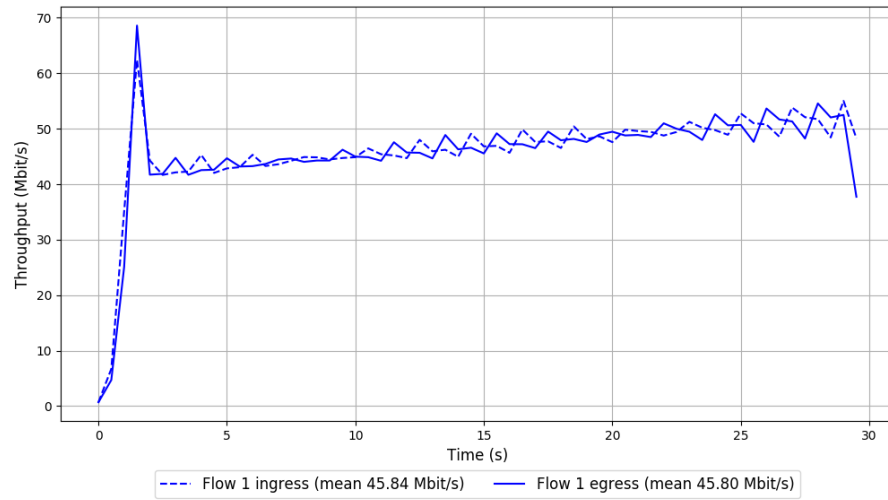
Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 45.84 Mbit/s) --- Flow 1 egress (mean 45.80 Mbit/s)

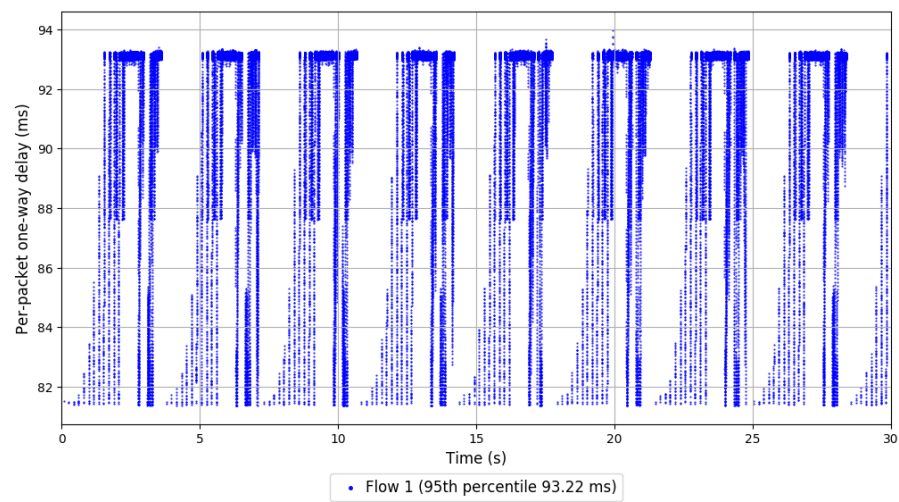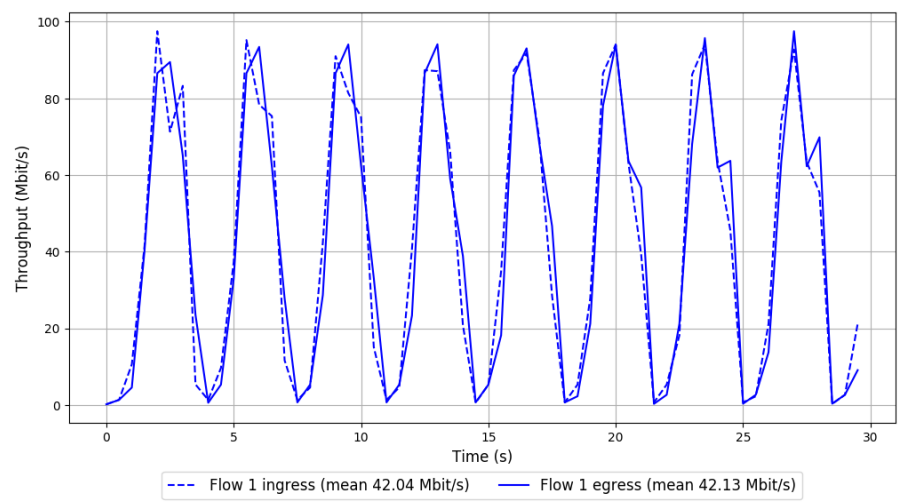• Flow 1 (95th percentile 85.11 ms)

```
Run 1: Statistics of Verus

Start at: 2018-01-25 20:35:05
End at: 2018-01-25 20:35:35
Local clock offset: 1.303 ms
Remote clock offset: -1.498 ms


# Below is generated by plot.py at 2018-01-26 09:56:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 93.221 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 93.221 ms
Loss rate: 0.48%
```
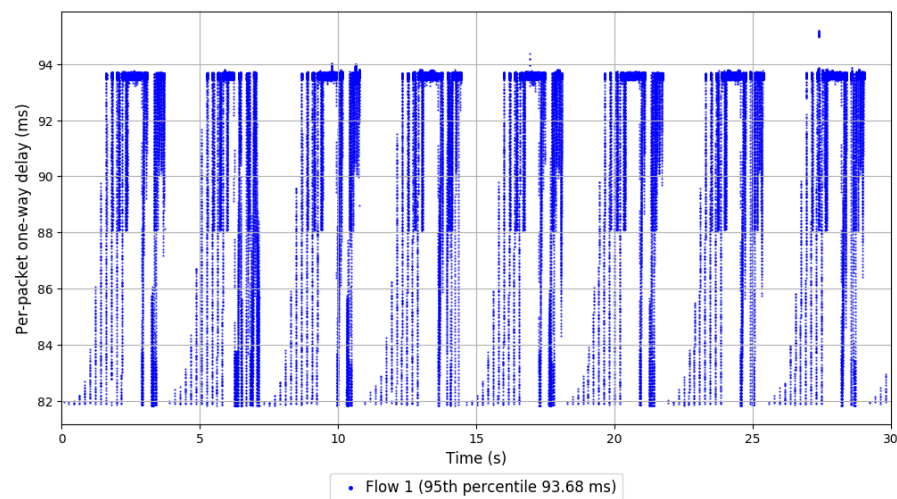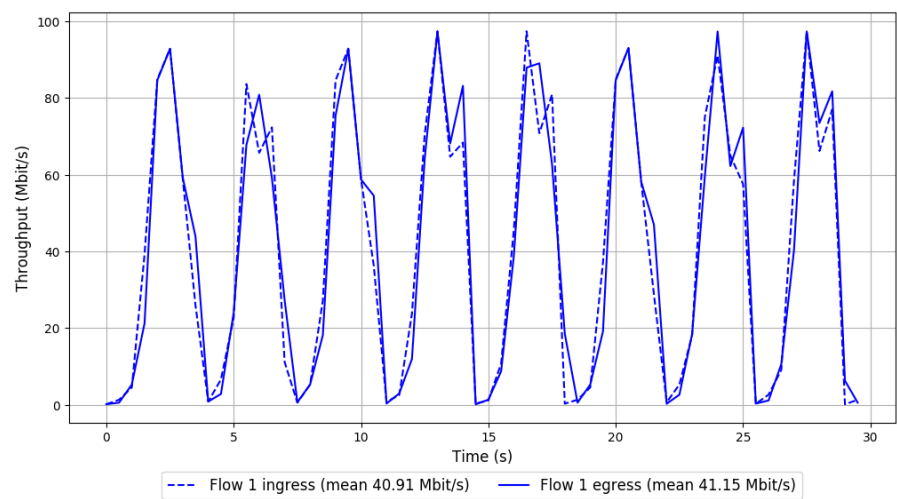
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 42.04 Mbit/s)   Flow 1 egress (mean 42.13 Mbit/s)

• Flow 1 (95th percentile 93.22 ms)

```
Run 2: Statistics of Verus

Start at: 2018-01-25 20:54:49
End at: 2018-01-25 20:55:19
Local clock offset: 1.14 ms
Remote clock offset: 0.016 ms


# Below is generated by plot.py at 2018-01-26 09:56:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 93.682 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 93.682 ms
Loss rate: 0.03%
```

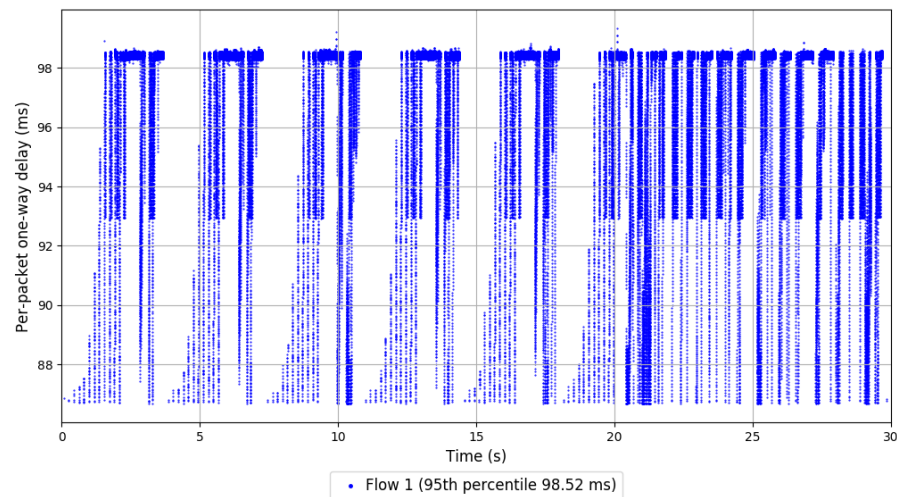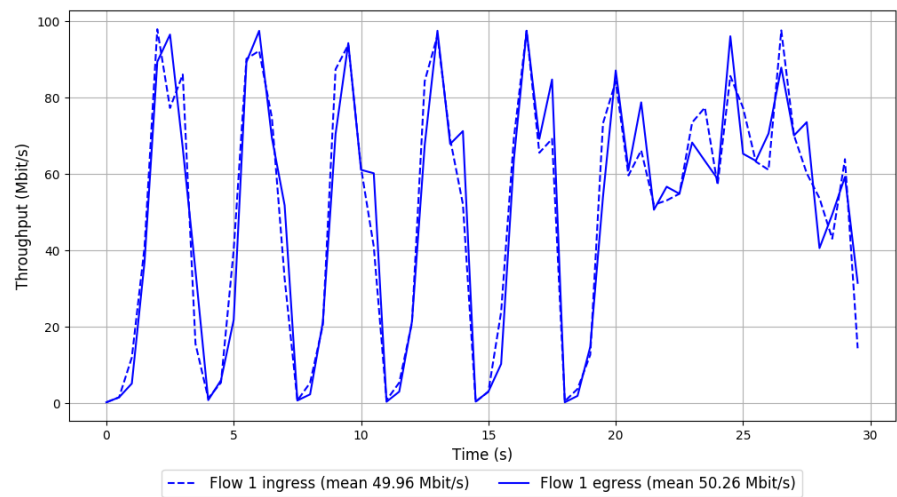Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-01-25 21:14:27
End at: 2018-01-25 21:14:57
Local clock offset: 0.935 ms
Remote clock offset: -6.469 ms


# Below is generated by plot.py at 2018-01-26 09:56:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 98.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 98.522 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-01-25 21:34:03
End at: 2018-01-25 21:34:33
Local clock offset: 0.721 ms
Remote clock offset: -1.49 ms


# Below is generated by plot.py at 2018-01-26 09:56:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 92.126 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 92.126 ms
Loss rate: 0.26%
```
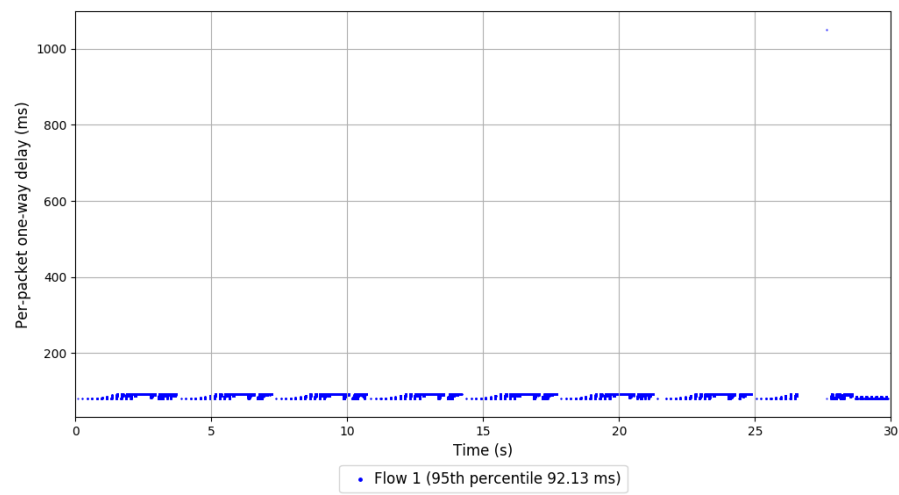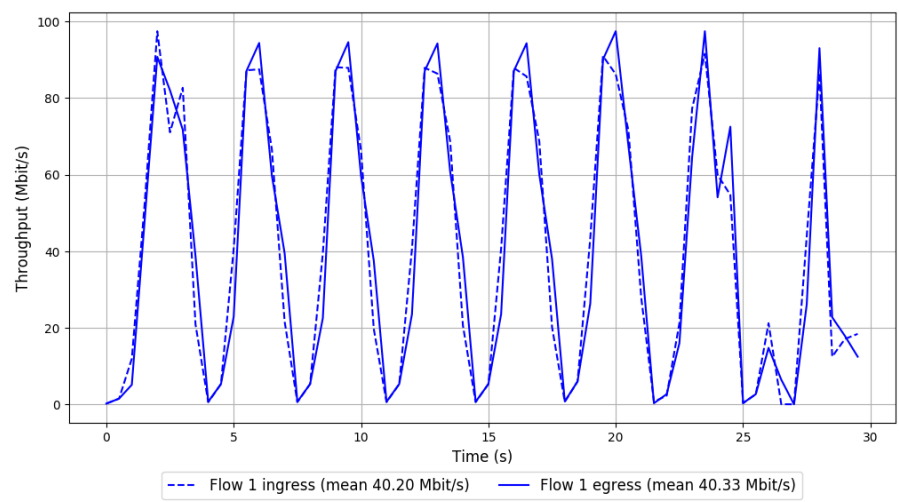
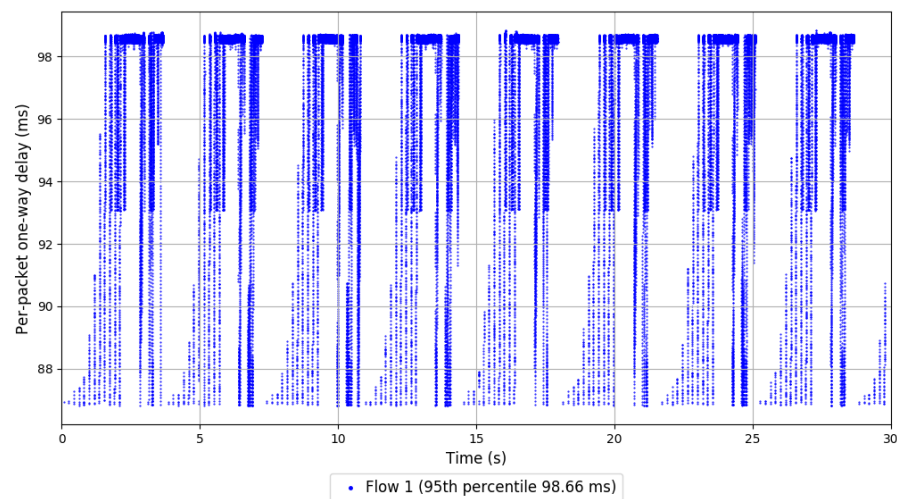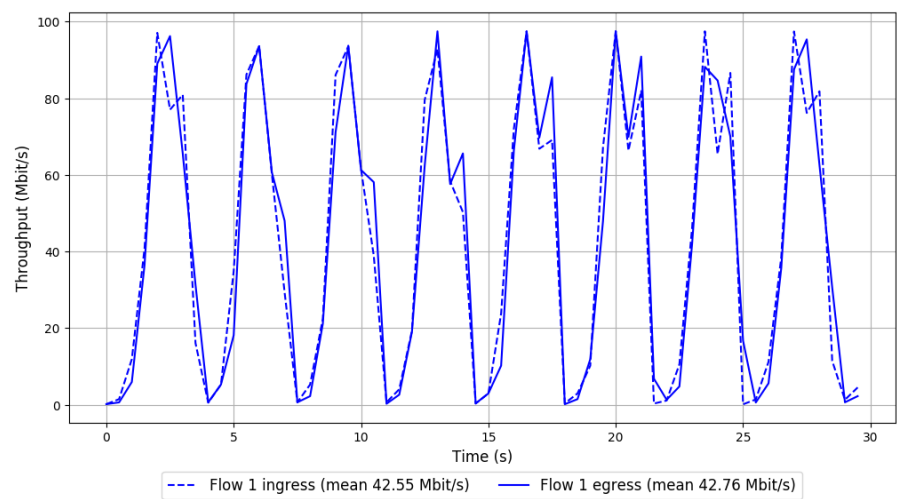## Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-01-25 21:53:54
End at: 2018-01-25 21:54:24
Local clock offset: 0.499 ms
Remote clock offset: -6.202 ms


# Below is generated by plot.py at 2018-01-26 09:56:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.76 Mbit/s
95th percentile per-packet one-way delay: 98.656 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 42.76 Mbit/s
95th percentile per-packet one-way delay: 98.656 ms
Loss rate: 0.12%
```

Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 42.55 Mbit/s)   Flow 1 egress (mean 42.76 Mbit/s)

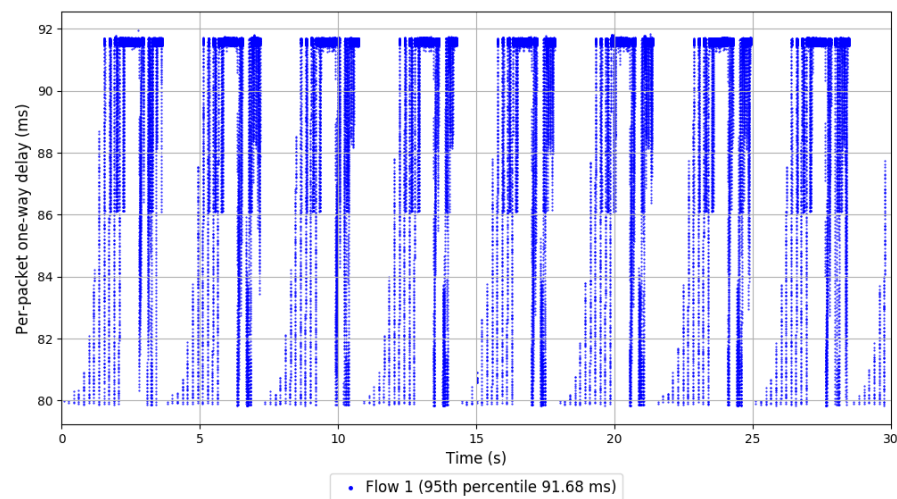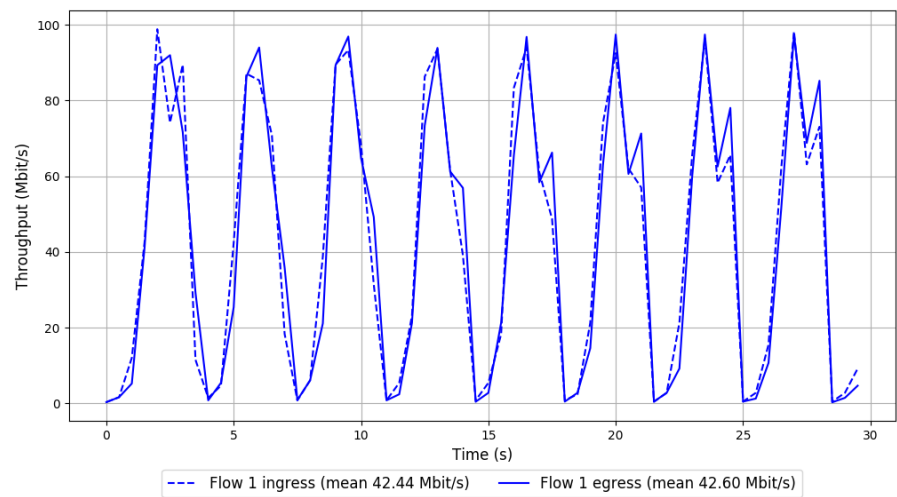Flow 1 (95th percentile 98.66 ms)

```
Run 6: Statistics of Verus

Start at: 2018-01-25 22:13:30
End at: 2018-01-25 22:14:00
Local clock offset: 0.429 ms
Remote clock offset: -0.995 ms


# Below is generated by plot.py at 2018-01-26 09:56:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 91.681 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 91.681 ms
Loss rate: 0.24%
```

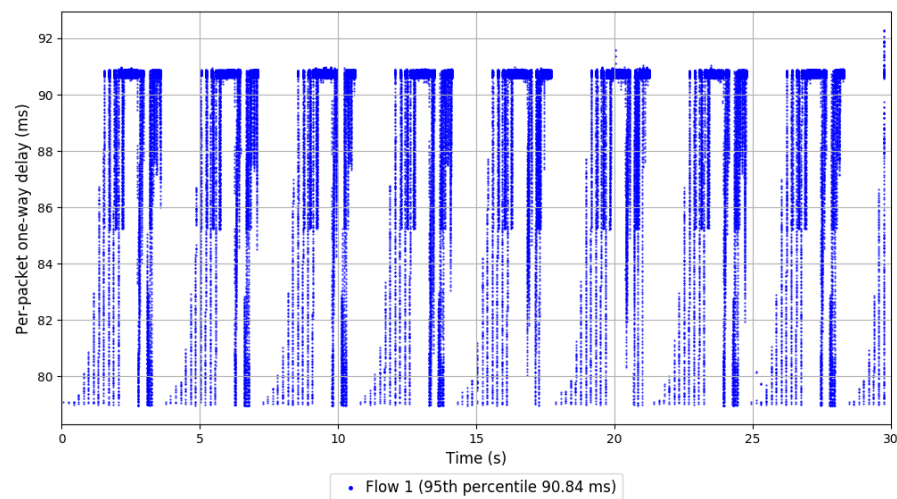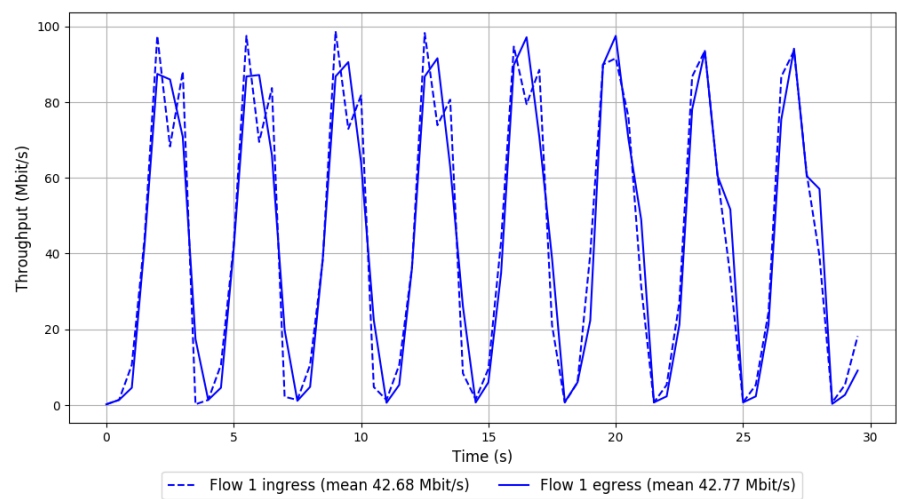# Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-01-25 22:33:12
End at: 2018-01-25 22:33:42
Local clock offset: 0.449 ms
Remote clock offset: -0.279 ms


# Below is generated by plot.py at 2018-01-26 09:56:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 90.840 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 90.840 ms
Loss rate: 0.47%
```

Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 42.68 Mbit/s) --- Flow 1 egress (mean 42.77 Mbit/s)

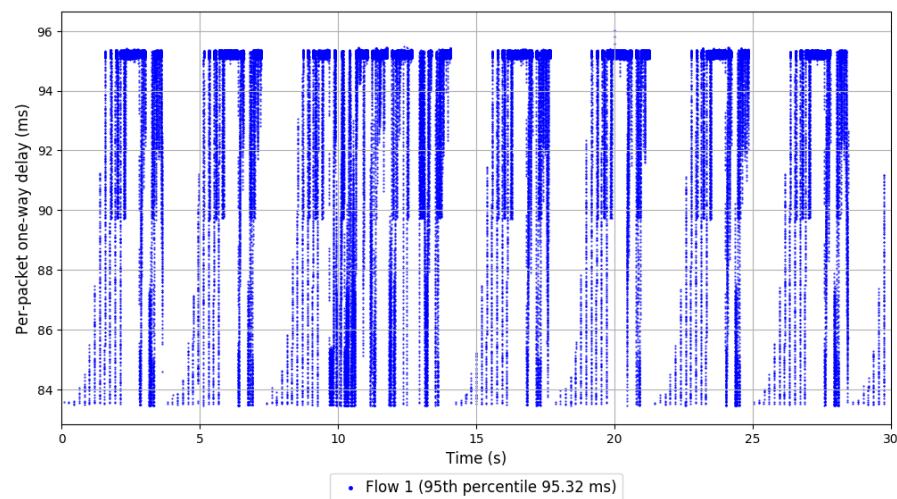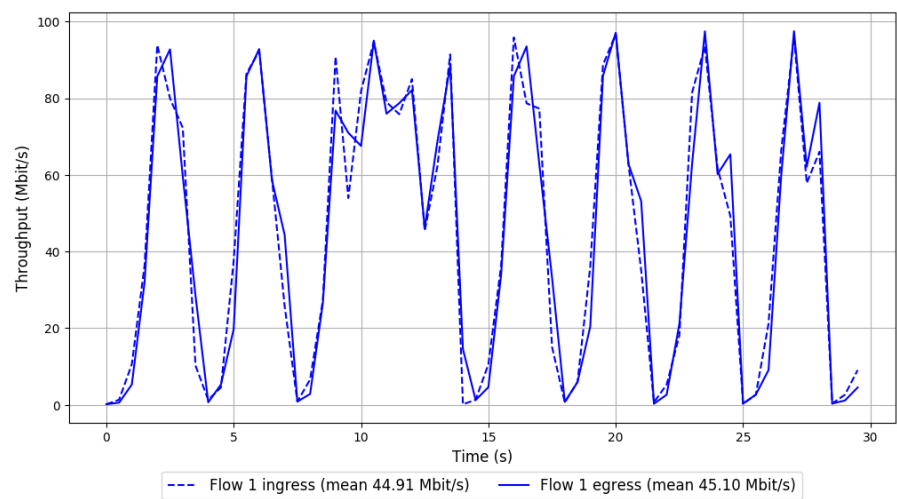• Flow 1 (95th percentile 90.84 ms)

```
Run 8: Statistics of Verus

Start at: 2018-01-25 22:52:54
End at: 2018-01-25 22:53:24
Local clock offset: 0.441 ms
Remote clock offset: -5.223 ms


# Below is generated by plot.py at 2018-01-26 09:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: 95.323 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: 95.323 ms
Loss rate: 0.23%
```

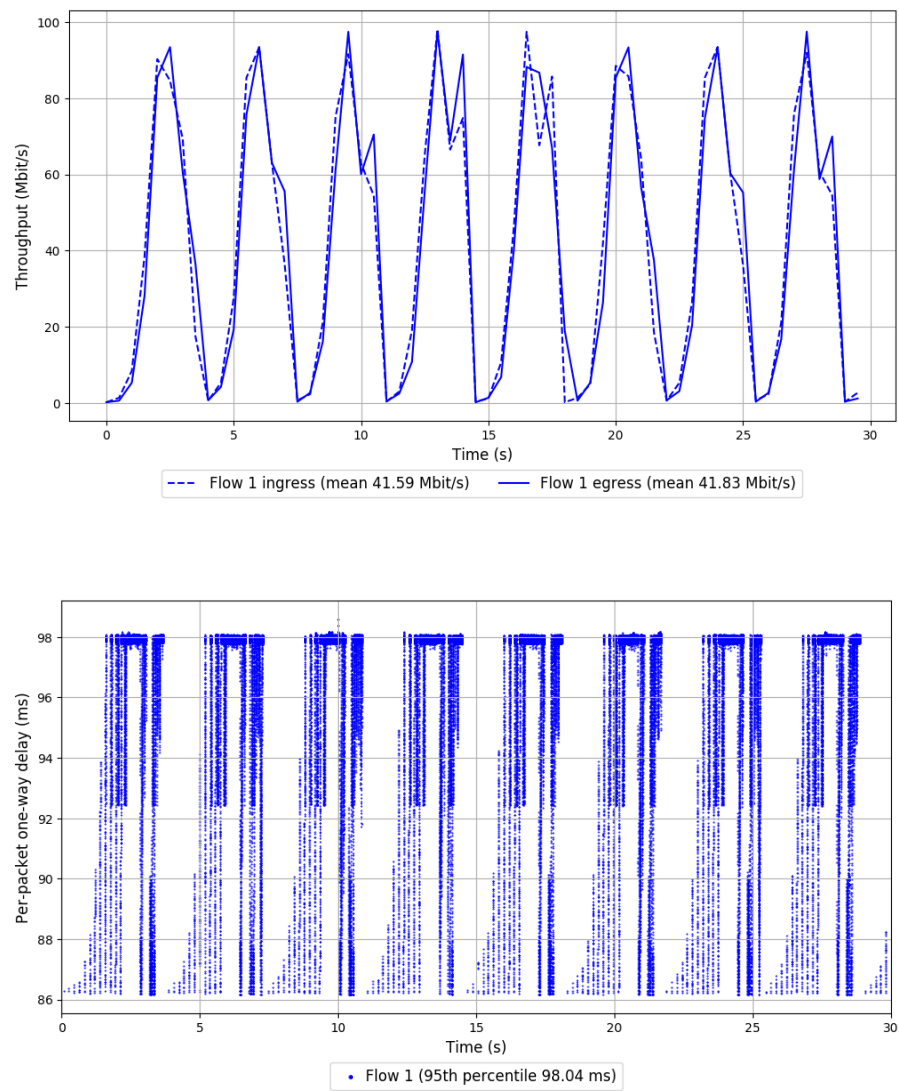Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2018-01-25 23:12:44
End at: 2018-01-25 23:13:14
Local clock offset: 0.386 ms
Remote clock offset: -6.283 ms


# Below is generated by plot.py at 2018-01-26 09:57:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 98.037 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 98.037 ms
Loss rate: 0.06%
```

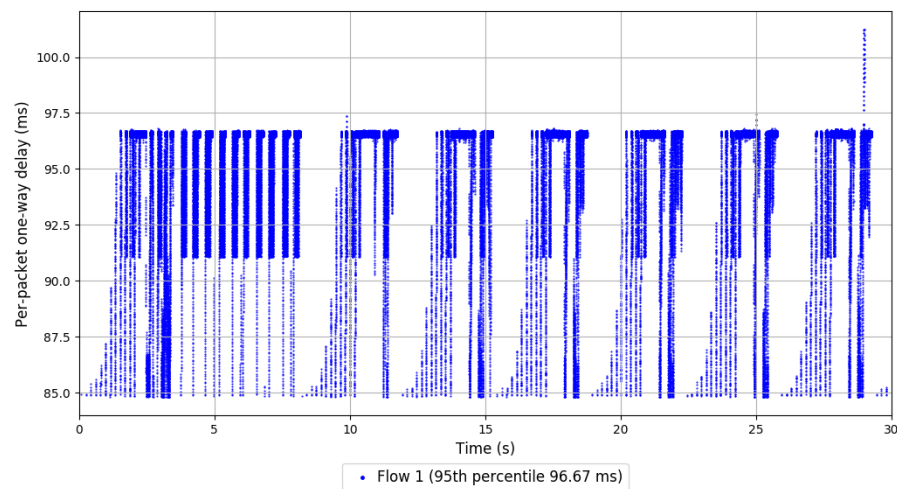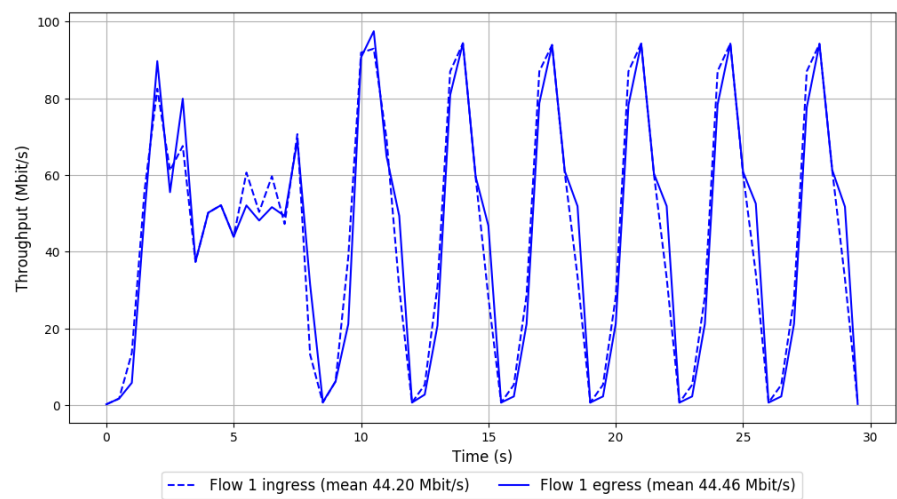Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2018-01-25 23:32:25
End at: 2018-01-25 23:32:55
Local clock offset: 0.308 ms
Remote clock offset: -6.487 ms


# Below is generated by plot.py at 2018-01-26 09:57:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 96.670 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 96.670 ms
Loss rate: 0.01%
```

Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 44.20 Mbit/s)   Flow 1 egress (mean 44.46 Mbit/s)

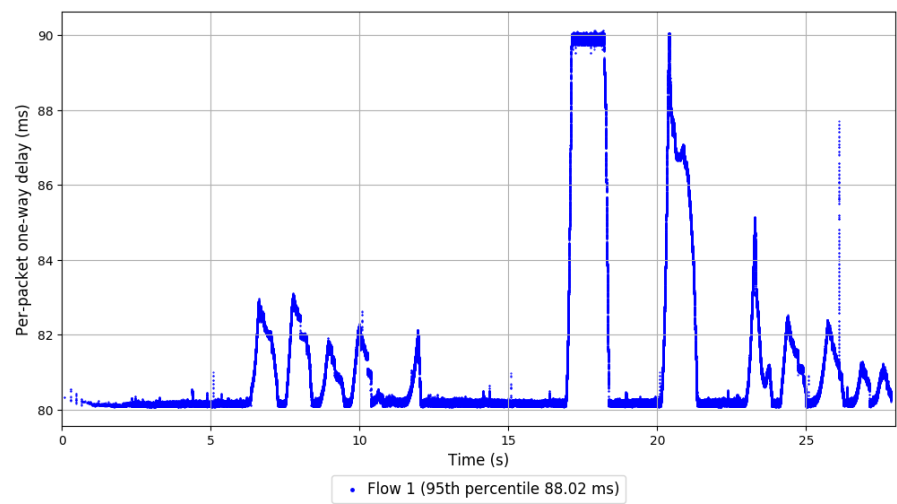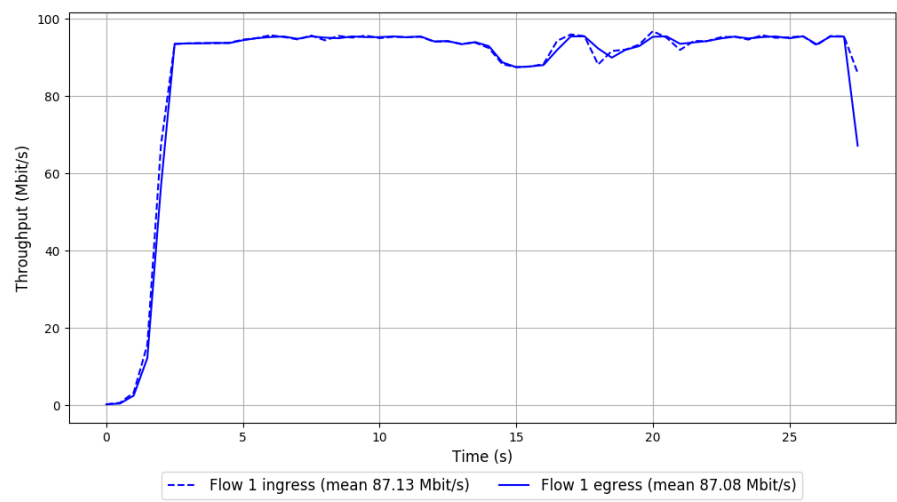Flow 1 (95th percentile 96.67 ms)

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```
Run 1: Statistics of Copa

Start at: 2018-01-25 20:31:28
End at: 2018-01-25 20:31:58
Local clock offset: 1.313 ms
Remote clock offset: -0.579 ms


# Below is generated by plot.py at 2018-01-26 09:58:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 88.020 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 88.020 ms
Loss rate: 0.70%
```

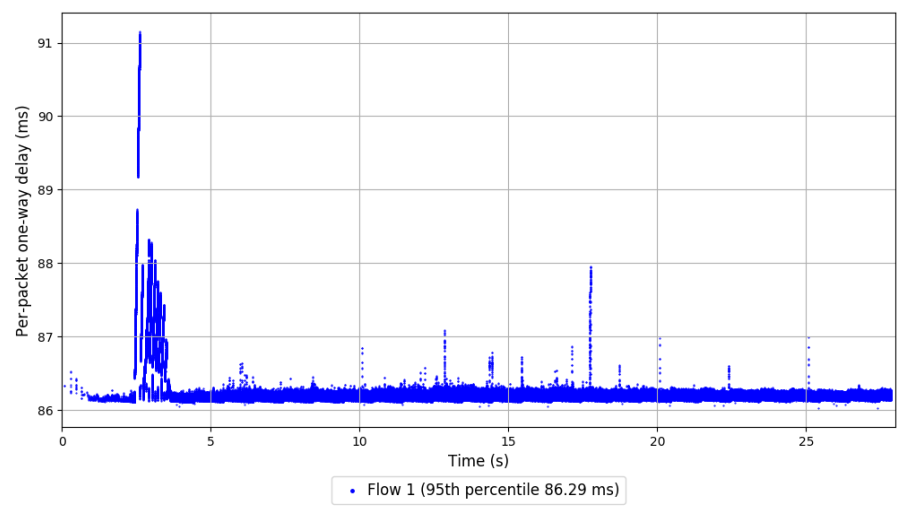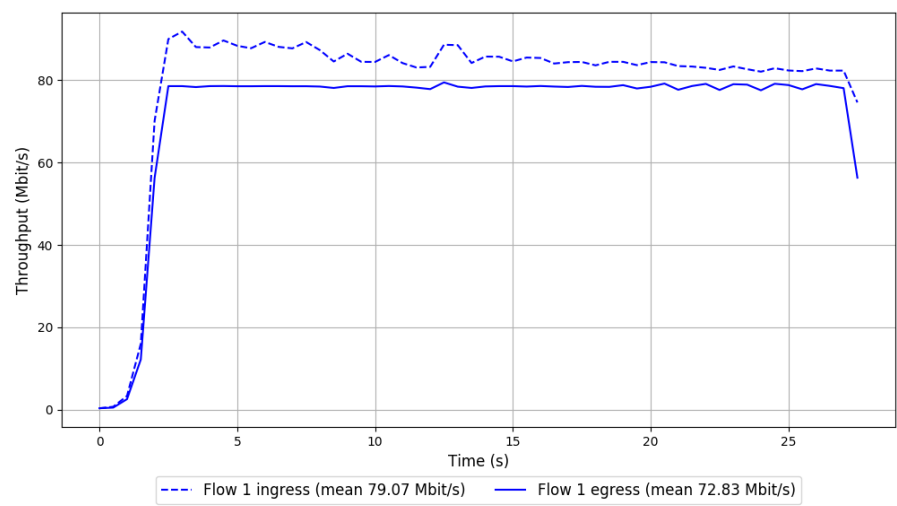Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2018-01-25 20:51:06
End at: 2018-01-25 20:51:36
Local clock offset: 1.179 ms
Remote clock offset: -5.788 ms


# Below is generated by plot.py at 2018-01-26 09:58:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 86.289 ms
Loss rate: 8.49%
-- Flow 1:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 86.289 ms
Loss rate: 8.49%
```

Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 79.07 Mbit/s) — — — Flow 1 egress (mean 72.83 Mbit/s) ——

· Flow 1 (95th percentile 86.29 ms)
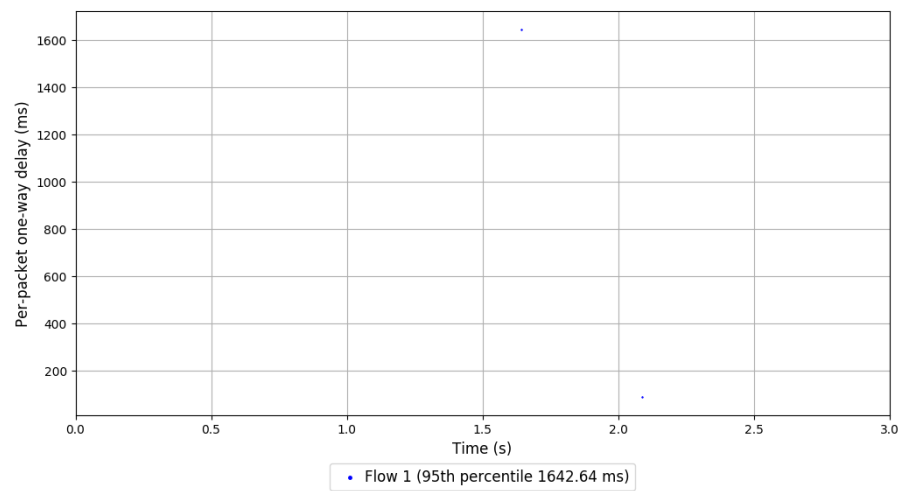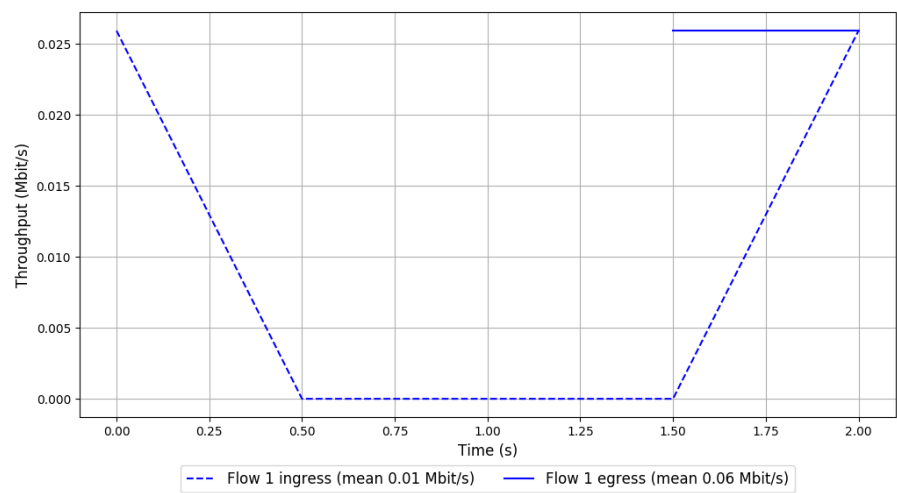
Run 3: Statistics of Copa

Start at: 2018-01-25 21:10:52
End at: 2018-01-25 21:11:22
Local clock offset: 0.975 ms
Remote clock offset: -5.616 ms

Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 0.01 Mbit/s)   Flow 1 egress (mean 0.06 Mbit/s)

• Flow 1 (95th percentile 1642.64 ms)
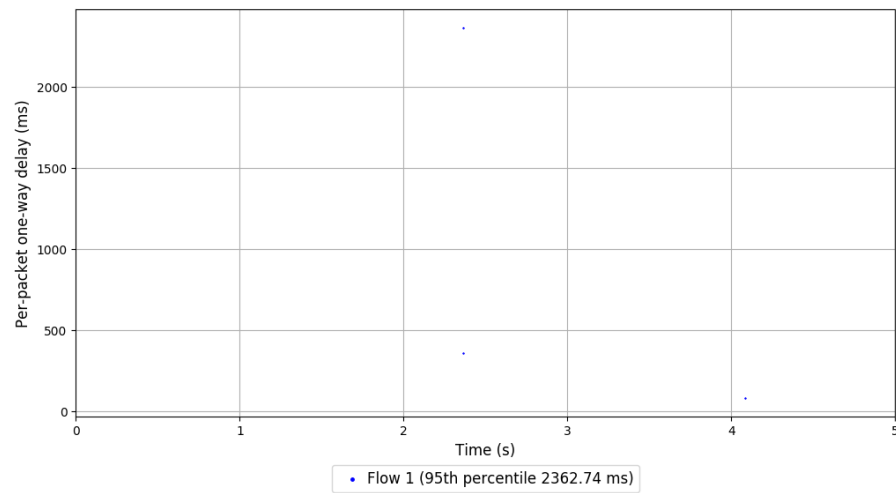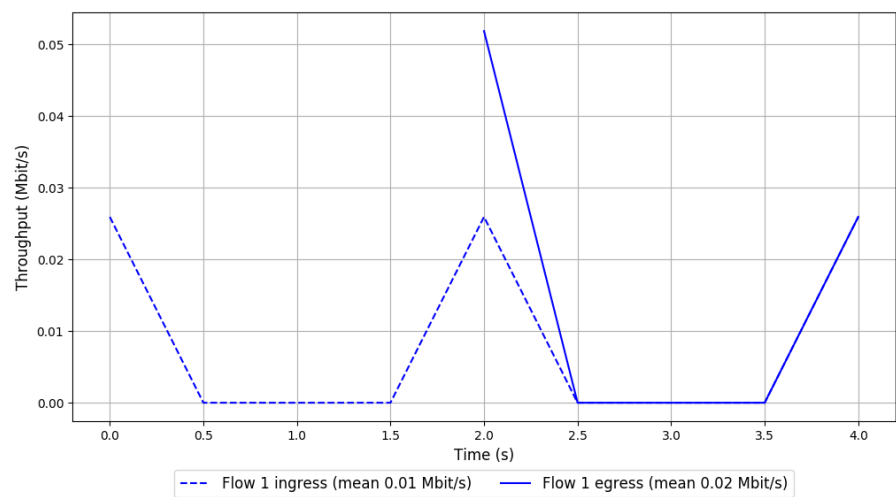
```
Run 4: Statistics of Copa

Start at: 2018-01-25 21:30:28
End at: 2018-01-25 21:30:58
Local clock offset: 0.737 ms
Remote clock offset: -1.522 ms
```
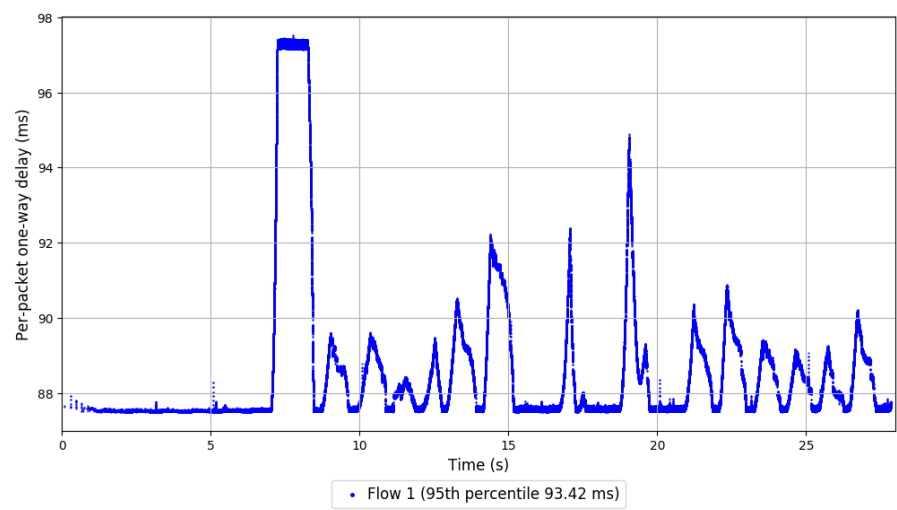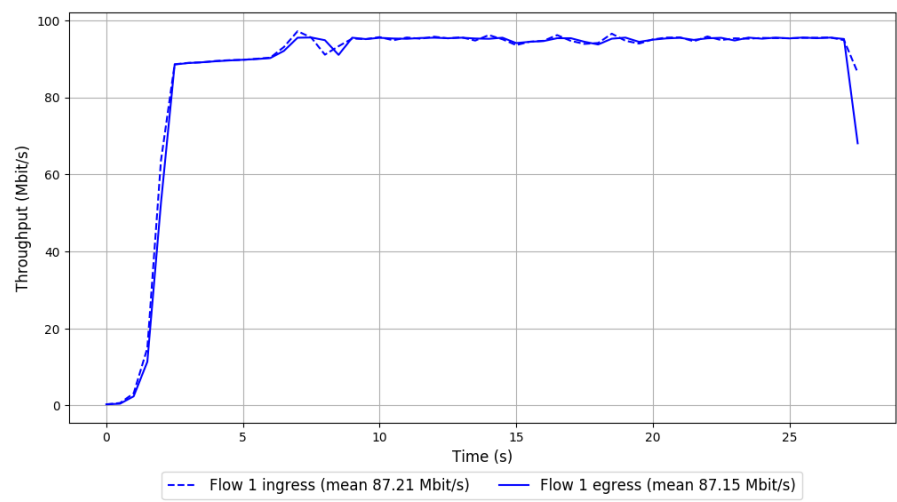
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2018-01-25 21:50:03
End at: 2018-01-25 21:50:33
Local clock offset: 0.571 ms
Remote clock offset: -5.376 ms


# Below is generated by plot.py at 2018-01-26 09:58:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 93.421 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 93.421 ms
Loss rate: 0.72%
```

Run 5: Report of Copa — Data Link
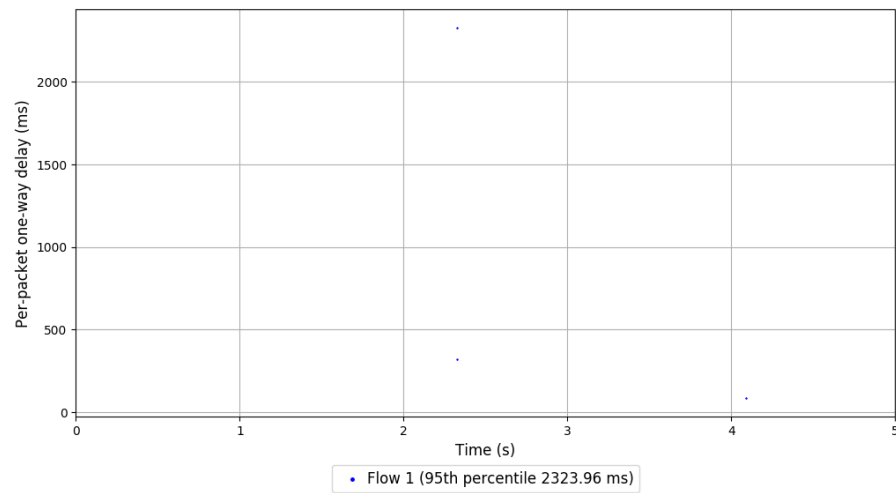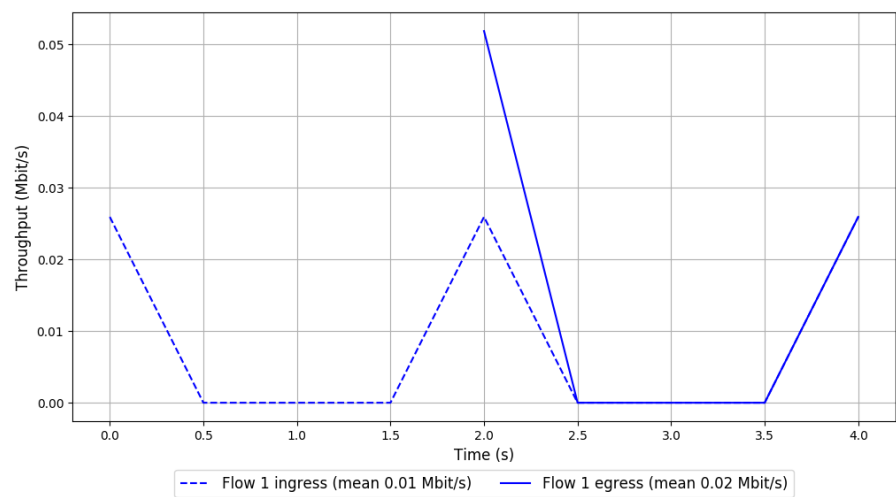
```
Run 6: Statistics of Copa

Start at: 2018-01-25 22:09:56
End at: 2018-01-25 22:10:26
Local clock offset: 0.43 ms
Remote clock offset: -4.972 ms
```

Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 0.01 Mbit/s) --- Flow 1 egress (mean 0.02 Mbit/s)

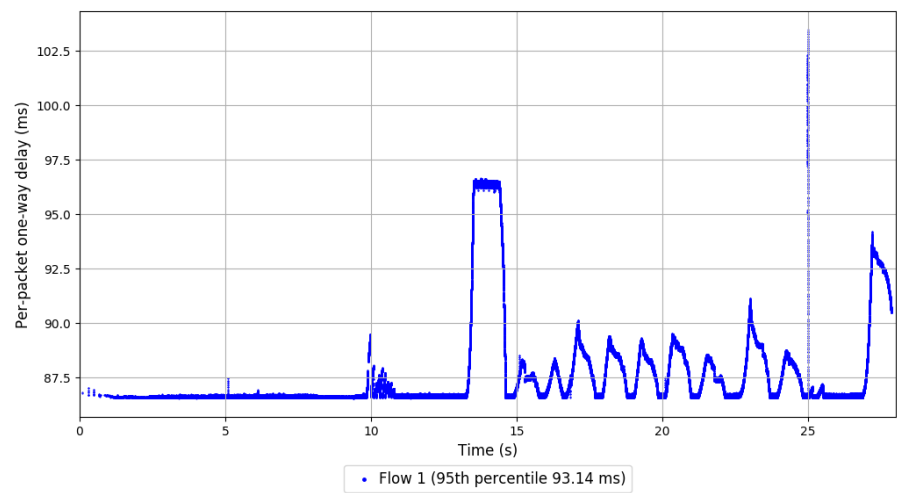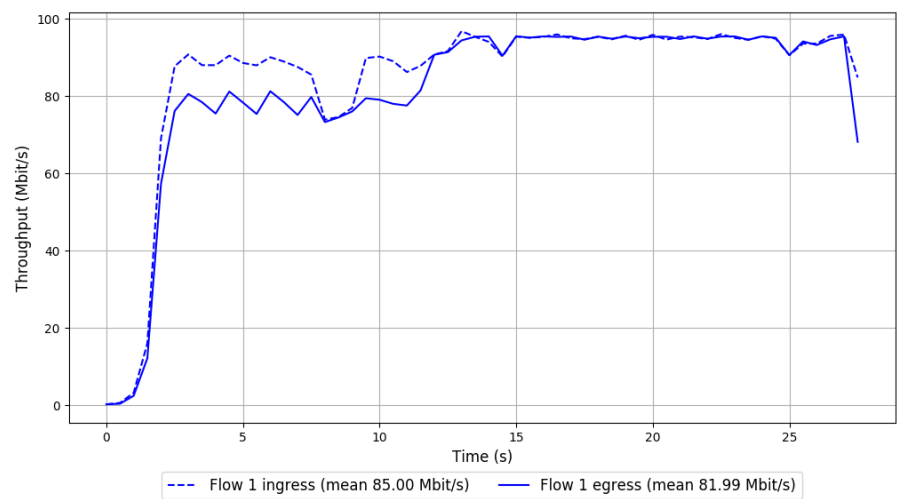

Flow 1 (95th percentile 2323.96 ms)

```
Run 7: Statistics of Copa

Start at: 2018-01-25 22:29:29
End at: 2018-01-25 22:29:59
Local clock offset: 0.448 ms
Remote clock offset: -5.993 ms

# Below is generated by plot.py at 2018-01-26 09:58:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 93.140 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 93.140 ms
Loss rate: 4.17%
```

Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 85.00 Mbit/s)   Flow 1 egress (mean 81.99 Mbit/s)
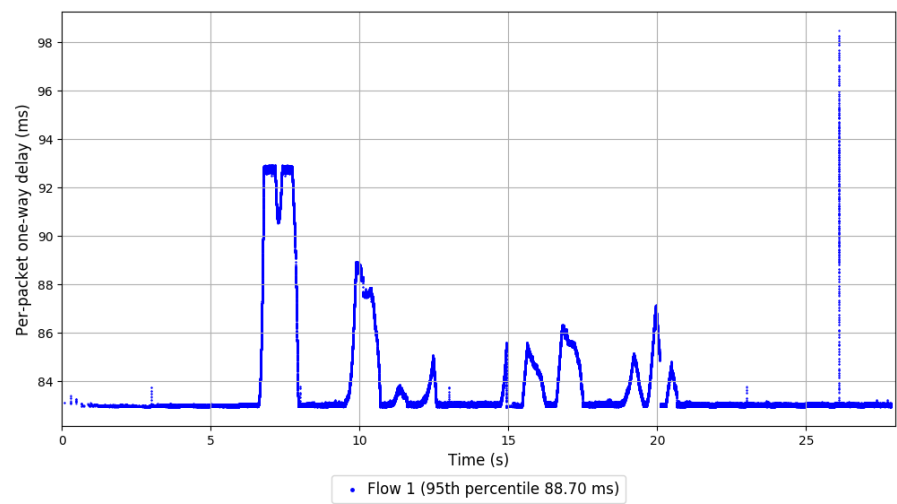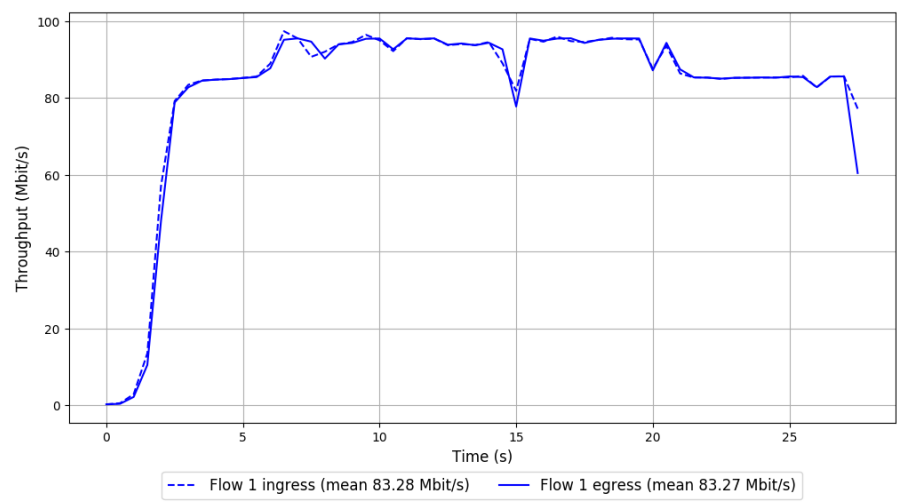

Flow 1 (95th percentile 93.14 ms)

```
Run 8: Statistics of Copa

Start at: 2018-01-25 22:49:11
End at: 2018-01-25 22:49:41
Local clock offset: 0.43 ms
Remote clock offset: -1.429 ms


# Below is generated by plot.py at 2018-01-26 09:59:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 88.703 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 88.703 ms
Loss rate: 0.67%
```

Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 83.28 Mbit/s) ---- Flow 1 egress (mean 83.27 Mbit/s) ——

Flow 1 (95th percentile 88.70 ms)
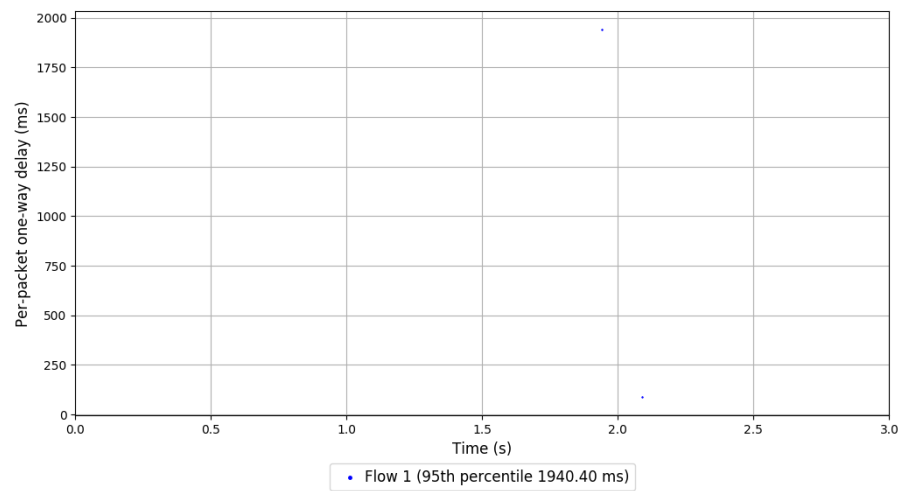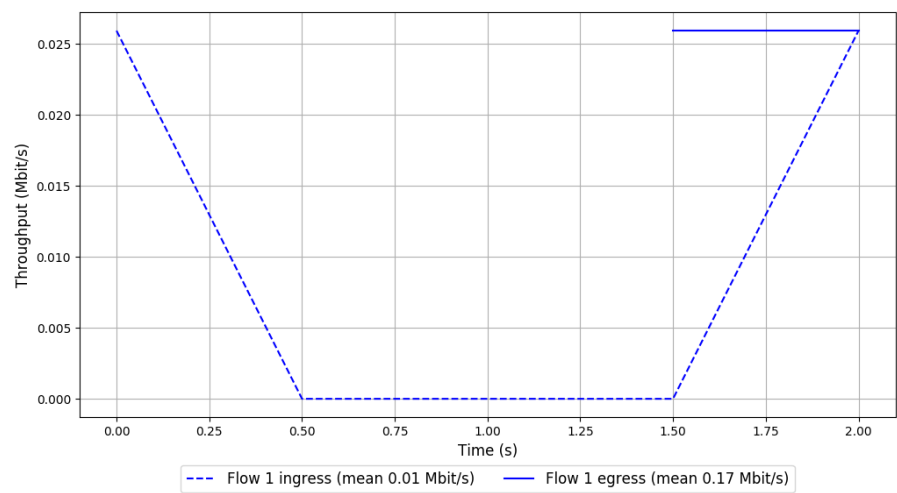
Run 9: Statistics of Copa

Start at: 2018-01-25 23:09:10
End at: 2018-01-25 23:09:40
Local clock offset: 0.391 ms
Remote clock offset: -5.366 ms
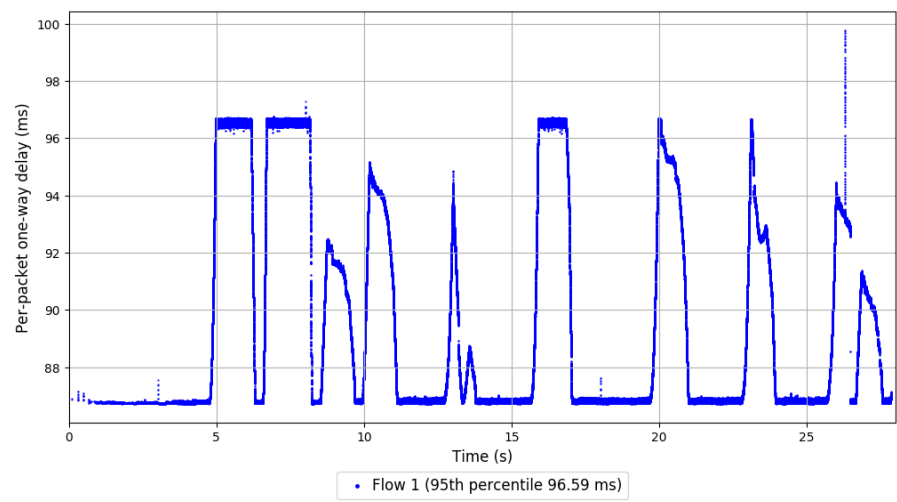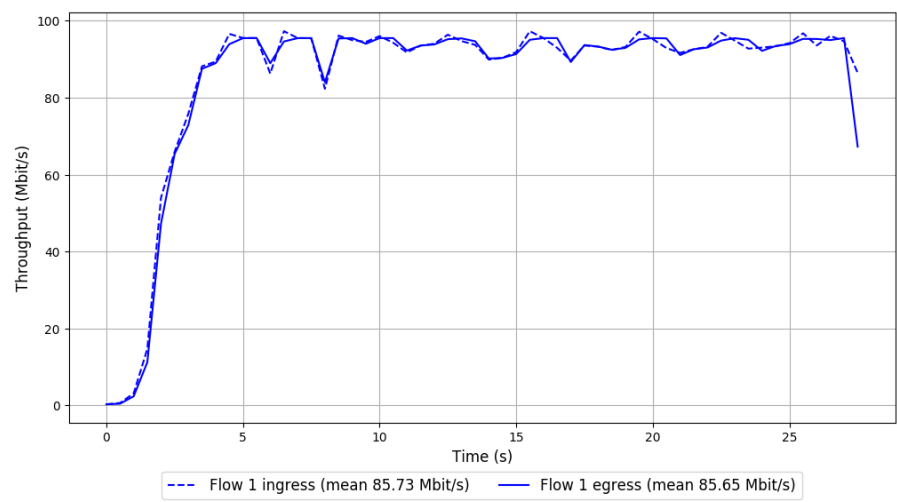
Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2018-01-25 23:28:41
End at: 2018-01-25 23:29:11
Local clock offset: 0.31 ms
Remote clock offset: -5.509 ms


# Below is generated by plot.py at 2018-01-26 09:59:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 96.586 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 96.586 ms
Loss rate: 0.74%
```

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 85.73 Mbit/s) —— Flow 1 egress (mean 85.65 Mbit/s)

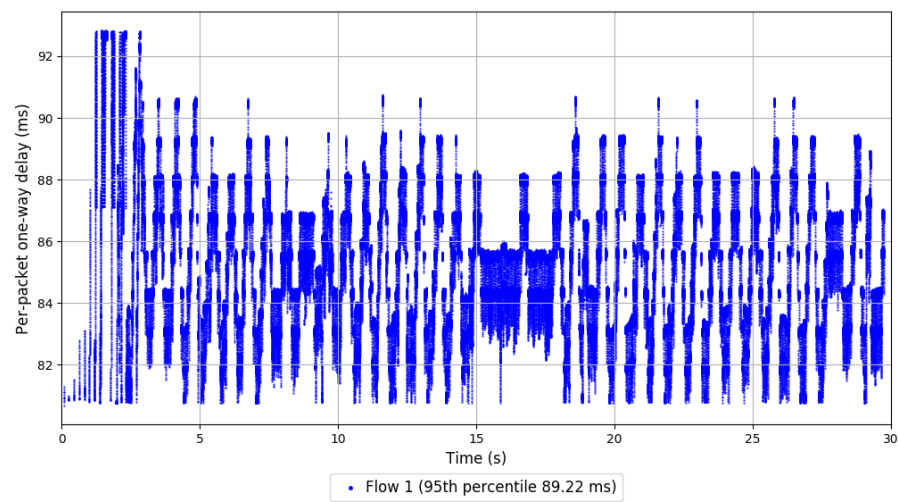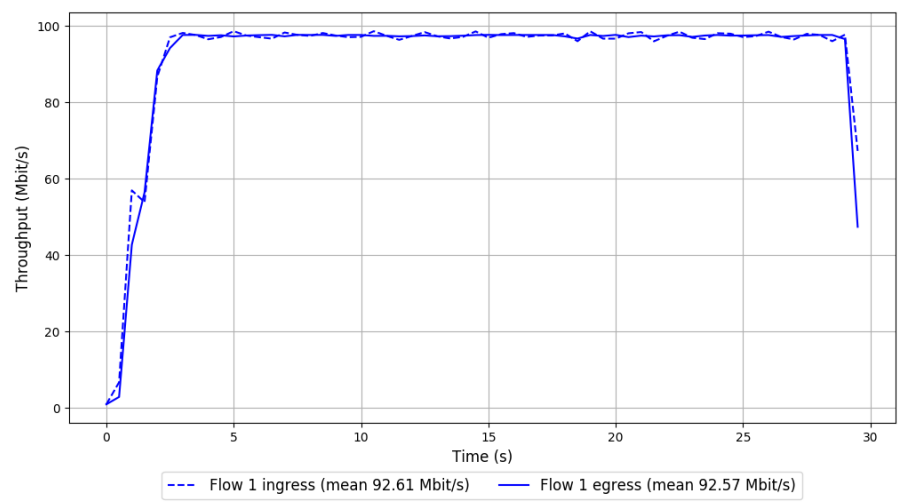

· Flow 1 (95th percentile 96.59 ms)

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

Start at: 2018-01-25 20:48:38
End at: 2018-01-25 20:49:08
Local clock offset: 1.13 ms
Remote clock offset: -0.864 ms


# Below is generated by plot.py at 2018-01-26 09:59:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 89.220 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 89.220 ms
Loss rate: 0.65%
```

Run 1: Report of Indigo-2-256 — Data Link

Flow 1 ingress (mean 92.61 Mbit/s) --- Flow 1 egress (mean 92.57 Mbit/s)

· Flow 1 (95th percentile 89.22 ms)

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

Start at: 2018-01-25 21:08:25
End at: 2018-01-25 21:08:55
Local clock offset: 1.016 ms
Remote clock offset: 0.211 ms


# Below is generated by plot.py at 2018-01-26 09:59:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 87.371 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 87.371 ms
Loss rate: 0.67%
```
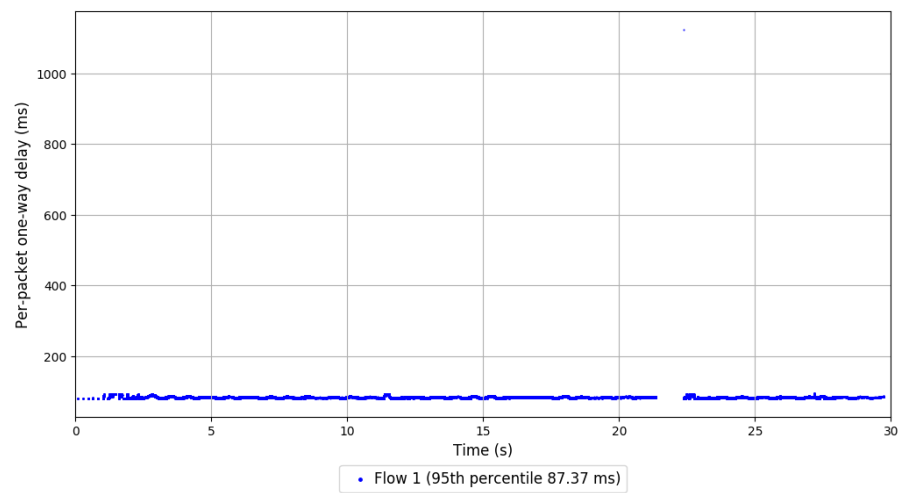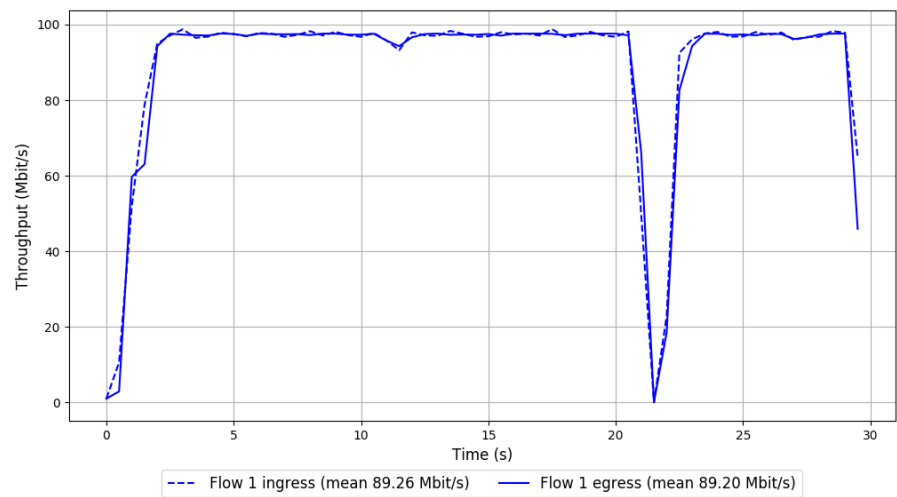
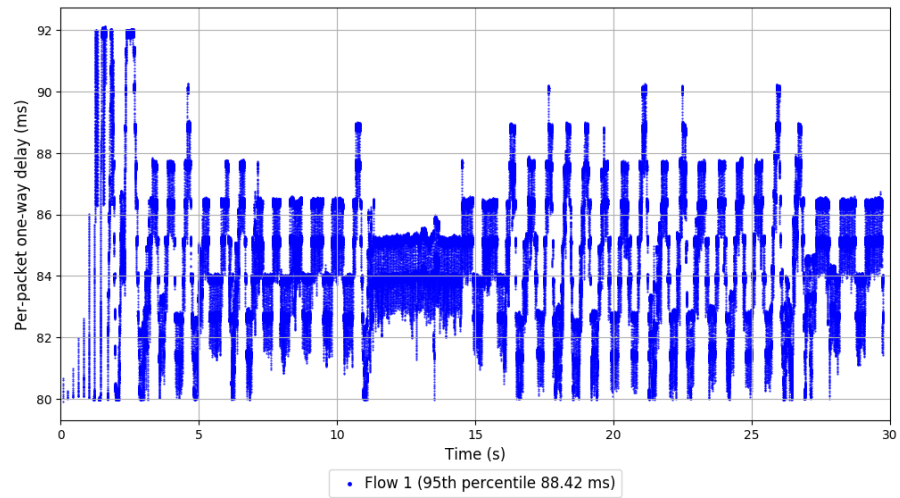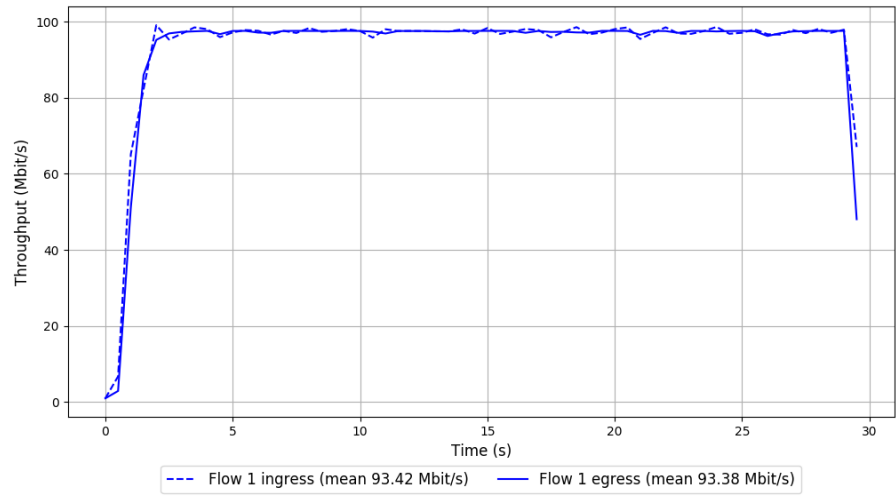Run 2: Report of Indigo-2-256 — Data Link

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

Start at: 2018-01-25 21:28:01
End at: 2018-01-25 21:28:31
Local clock offset: 0.78 ms
Remote clock offset: -1.549 ms


# Below is generated by plot.py at 2018-01-26 09:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 88.417 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 88.417 ms
Loss rate: 0.64%
```

Run 3: Report of Indigo-2-256 — Data Link

- - - - Flow 1 ingress (mean 93.42 Mbit/s) —— Flow 1 egress (mean 93.38 Mbit/s)

• Flow 1 (95th percentile 88.42 ms)

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

Start at: 2018-01-25 21:47:36
End at: 2018-01-25 21:48:06
Local clock offset: 0.644 ms
Remote clock offset: -0.57 ms

# Below is generated by plot.py at 2018-01-26 09:59:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 91.008 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 91.008 ms
Loss rate: 0.64%
```
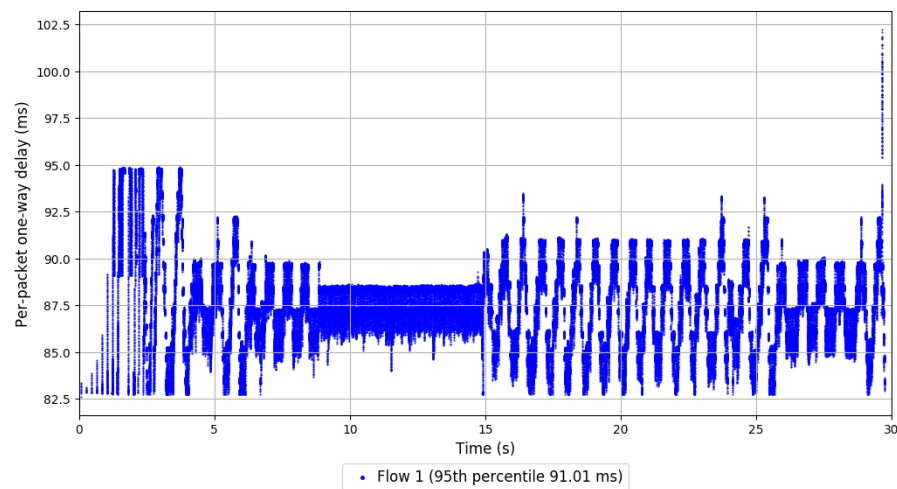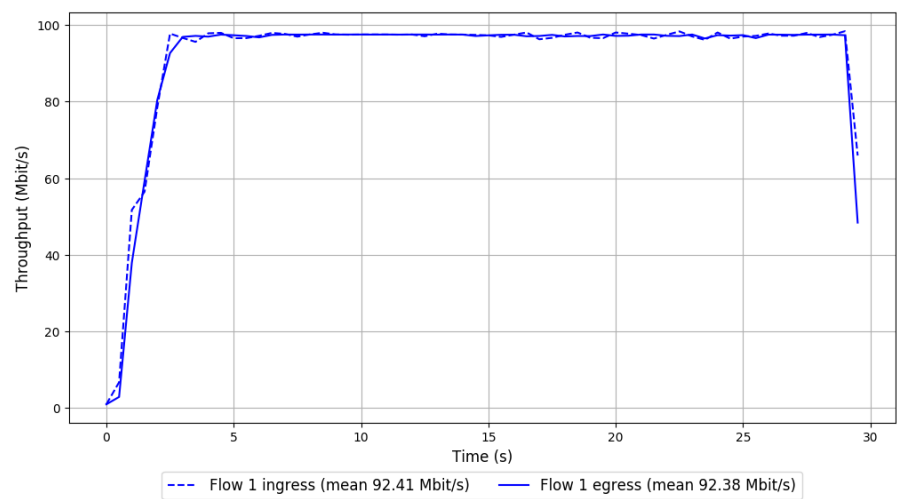
Run 4: Report of Indigo-2-256 — Data Link

Flow 1 ingress (mean 92.41 Mbit/s)   Flow 1 egress (mean 92.38 Mbit/s)
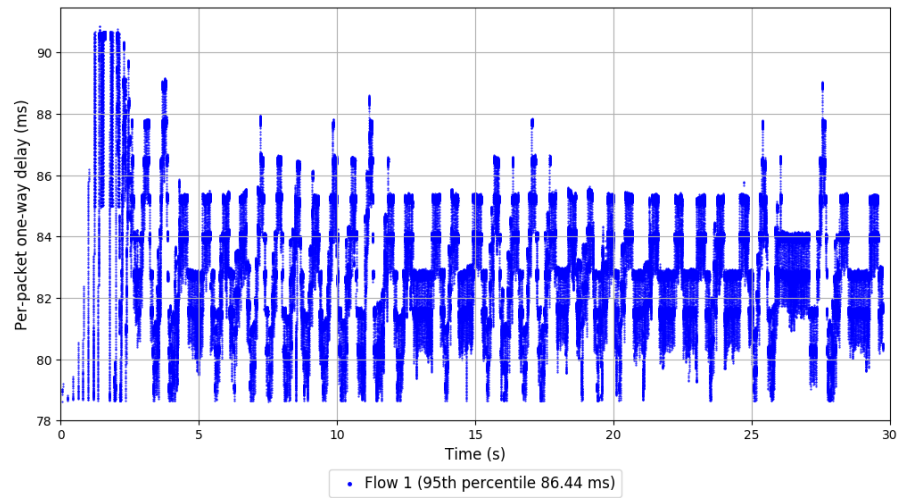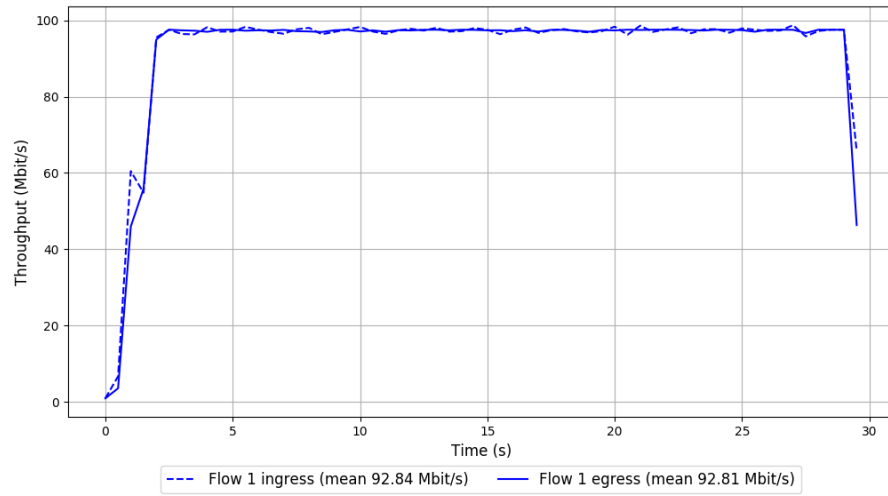

Flow 1 (95th percentile 91.01 ms)

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

Start at: 2018-01-25 22:07:29
End at: 2018-01-25 22:07:59
Local clock offset: 0.533 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-01-26 09:59:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 86.445 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 86.445 ms
Loss rate: 0.64%
```

Run 5: Report of Indigo-2-256 — Data Link

Flow 1 ingress (mean 92.84 Mbit/s)   Flow 1 egress (mean 92.81 Mbit/s)

Flow 1 (95th percentile 86.44 ms)

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

Start at: 2018-01-25 22:27:02
End at: 2018-01-25 22:27:32
Local clock offset: 0.478 ms
Remote clock offset: -6.035 ms


# Below is generated by plot.py at 2018-01-26 10:00:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 96.496 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 96.496 ms
Loss rate: 0.66%
```
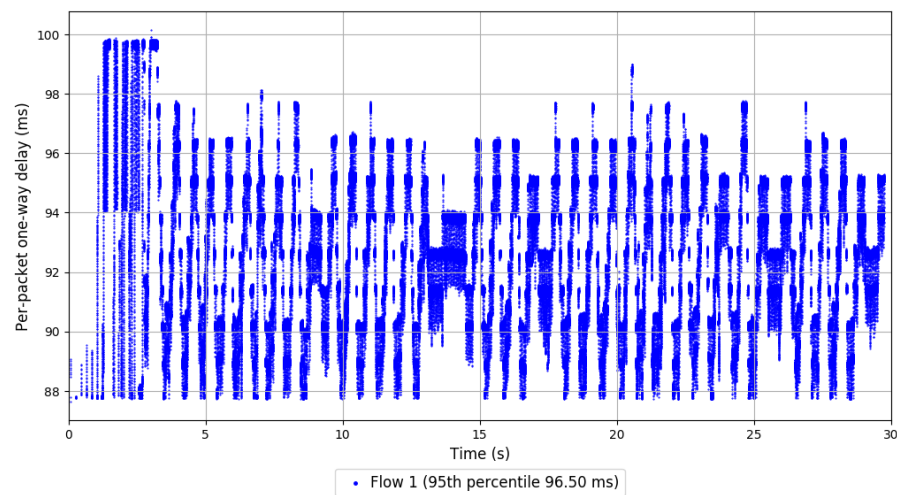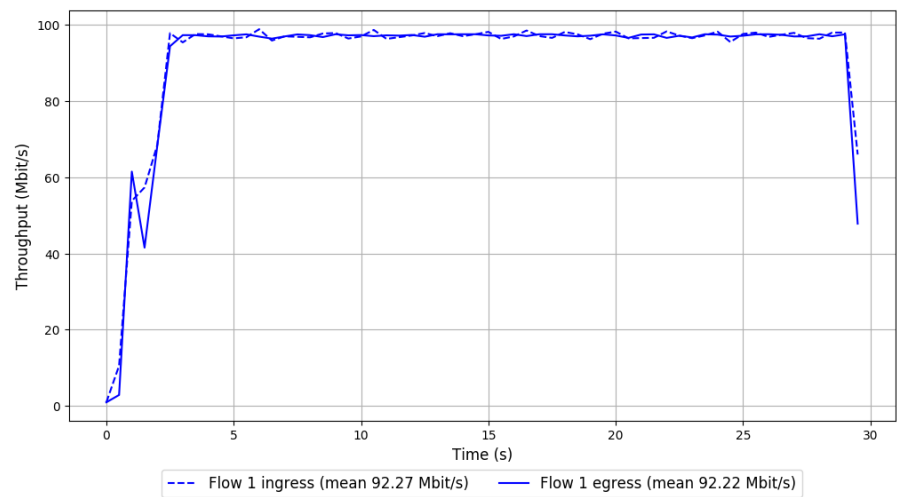
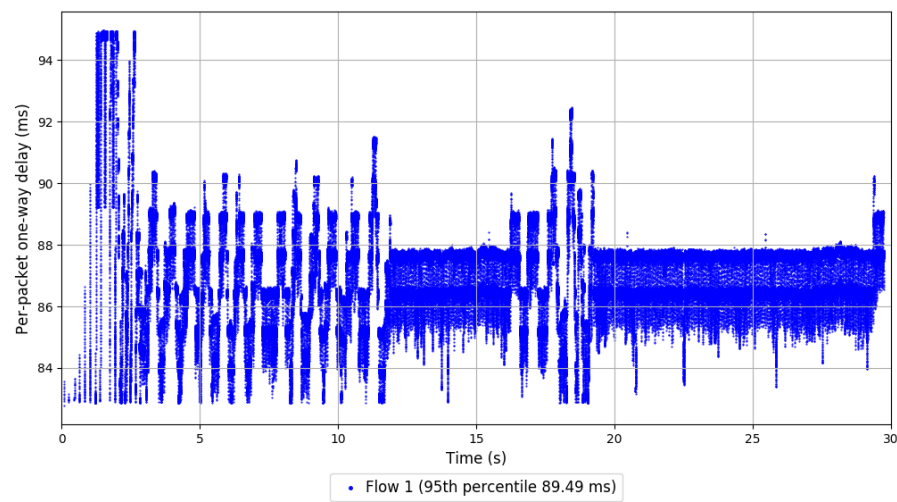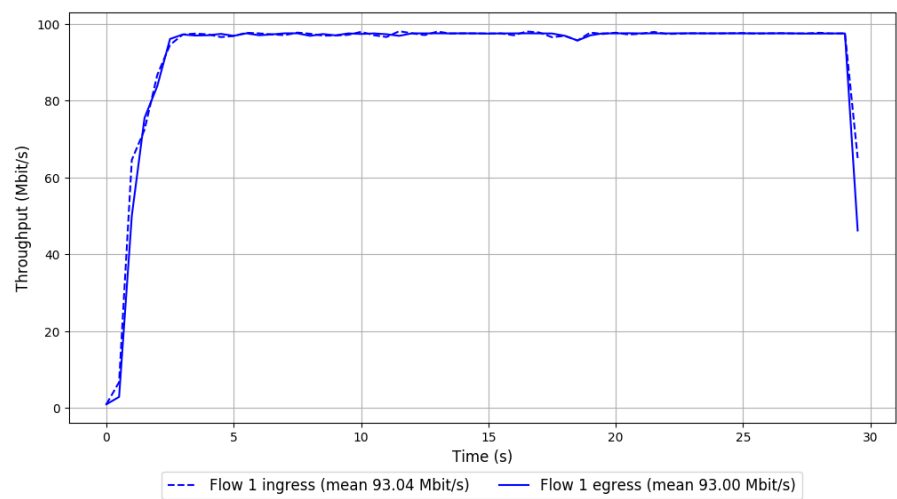Run 6: Report of Indigo-2-256 — Data Link

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

Start at: 2018-01-25 22:46:44
End at: 2018-01-25 22:47:14
Local clock offset: 0.455 ms
Remote clock offset: -1.306 ms


# Below is generated by plot.py at 2018-01-26 10:00:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 89.494 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 89.494 ms
Loss rate: 0.65%
```

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

Flow 1 ingress (mean 93.04 Mbit/s) ---- Flow 1 egress (mean 93.00 Mbit/s) ——

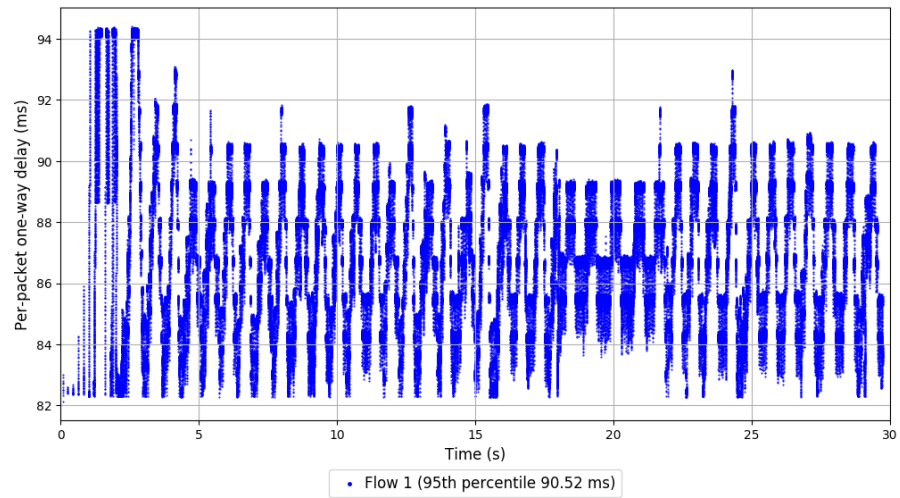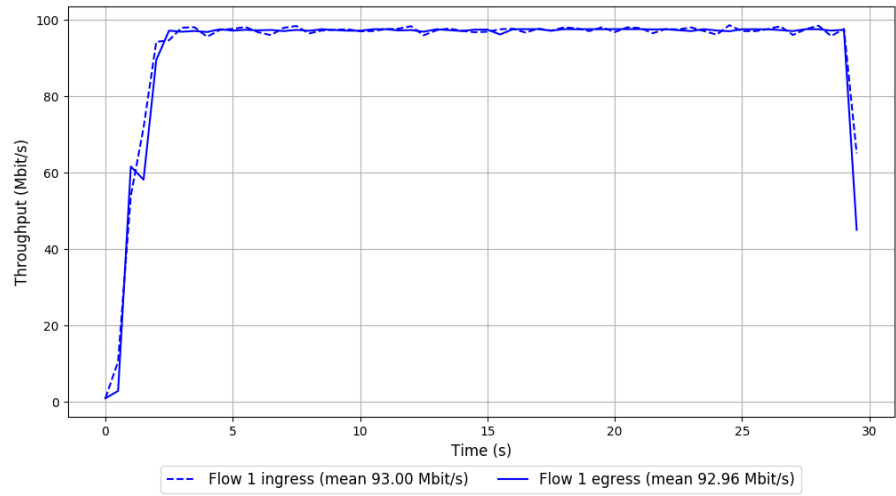

• Flow 1 (95th percentile 89.49 ms)

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

Start at: 2018-01-25 23:06:42
End at: 2018-01-25 23:07:12
Local clock offset: 0.389 ms
Remote clock offset: -0.504 ms


# Below is generated by plot.py at 2018-01-26 10:00:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 90.519 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 90.519 ms
Loss rate: 0.66%
```

Run 8: Report of Indigo-2-256 — Data Link

Flow 1 ingress (mean 93.00 Mbit/s) ----- Flow 1 egress (mean 92.96 Mbit/s)

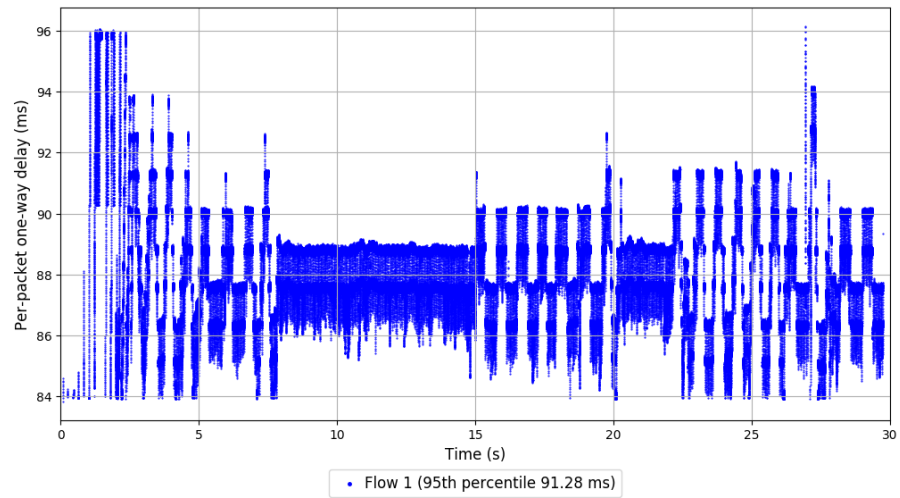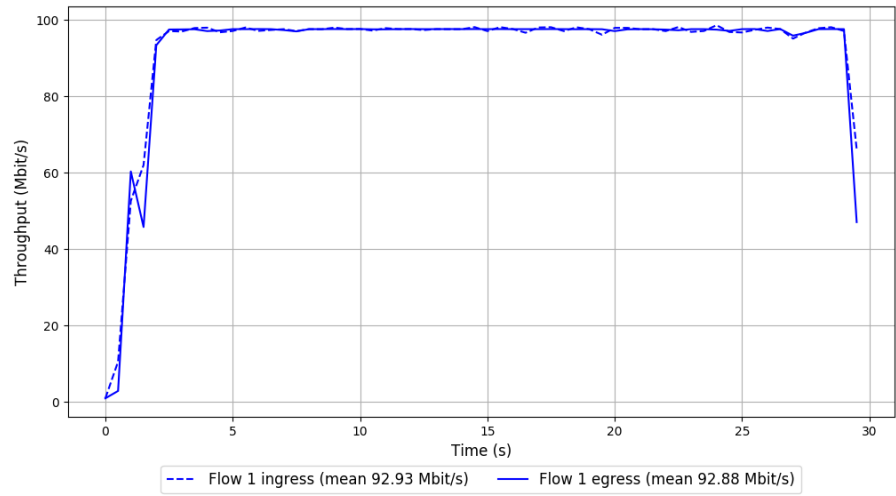

• Flow 1 (95th percentile 90.52 ms)

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

Start at: 2018-01-25 23:26:13
End at: 2018-01-25 23:26:43
Local clock offset: 0.337 ms
Remote clock offset: -5.594 ms


# Below is generated by plot.py at 2018-01-26 10:00:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 91.281 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 91.281 ms
Loss rate: 0.65%
```

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

Flow 1 ingress (mean 92.93 Mbit/s)   Flow 1 egress (mean 92.88 Mbit/s)

• Flow 1 (95th percentile 91.28 ms)

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

Start at: 2018-01-25 23:45:58
End at: 2018-01-25 23:46:28
Local clock offset: 0.274 ms
Remote clock offset: -1.724 ms

# Below is generated by plot.py at 2018-01-26 10:00:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 91.053 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 91.053 ms
Loss rate: 0.63%
```
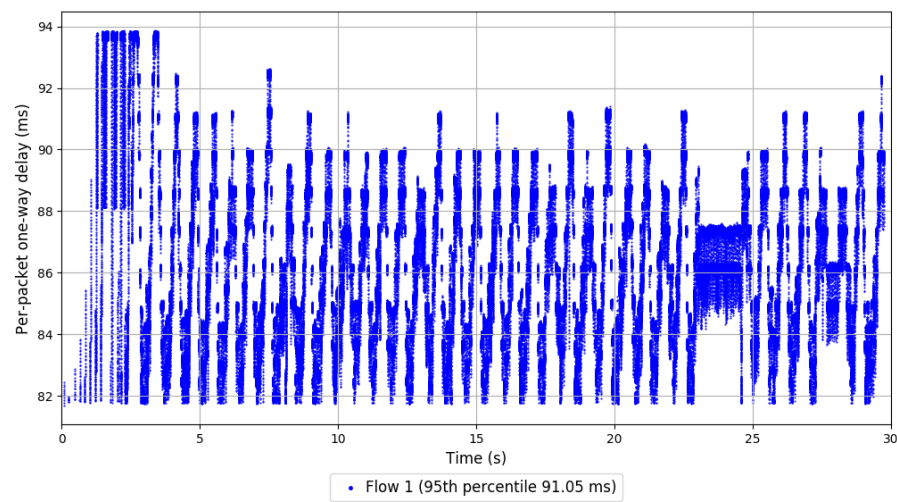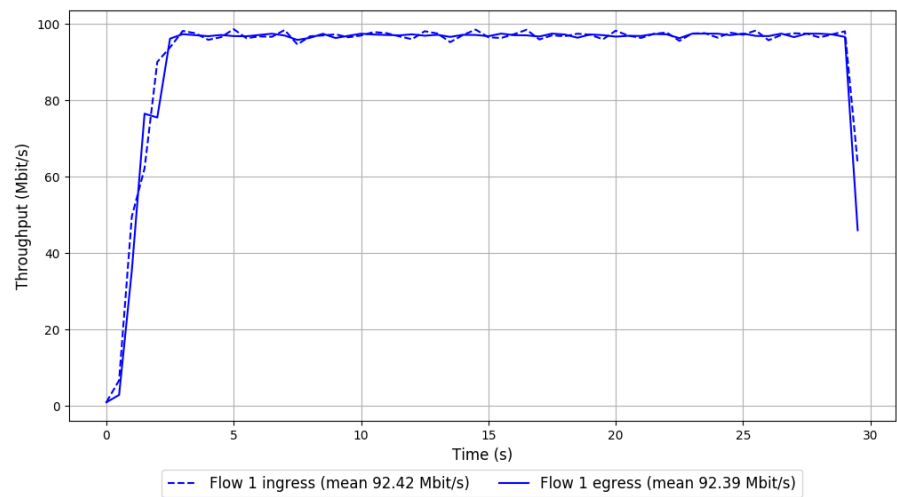
Run 10: Report of Indigo-2-256 — Data Link

Flow 1 ingress (mean 92.42 Mbit/s) ----- Flow 1 egress (mean 92.39 Mbit/s)

• Flow 1 (95th percentile 91.05 ms)

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

Start at: 2018-01-25 20:44:50
End at: 2018-01-25 20:45:20
Local clock offset: 1.221 ms
Remote clock offset: -6.651 ms

# Below is generated by plot.py at 2018-01-26 10:01:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 98.265 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 98.265 ms
Loss rate: 0.67%
```
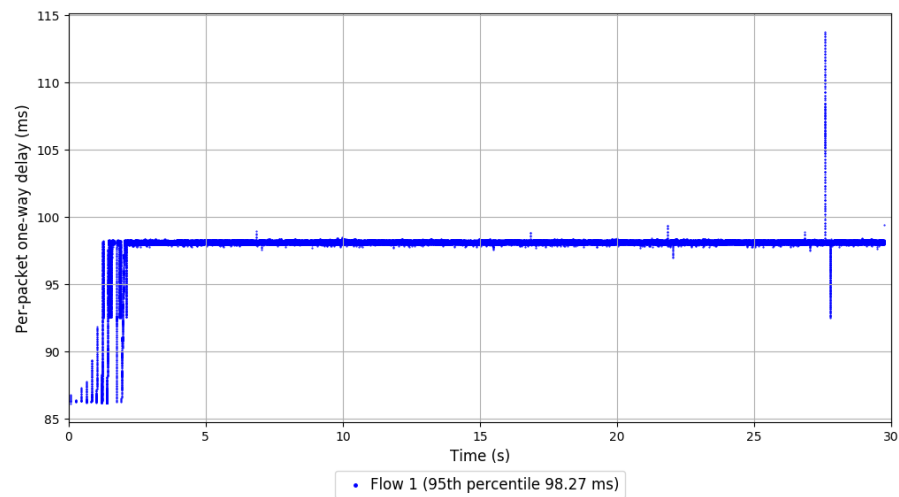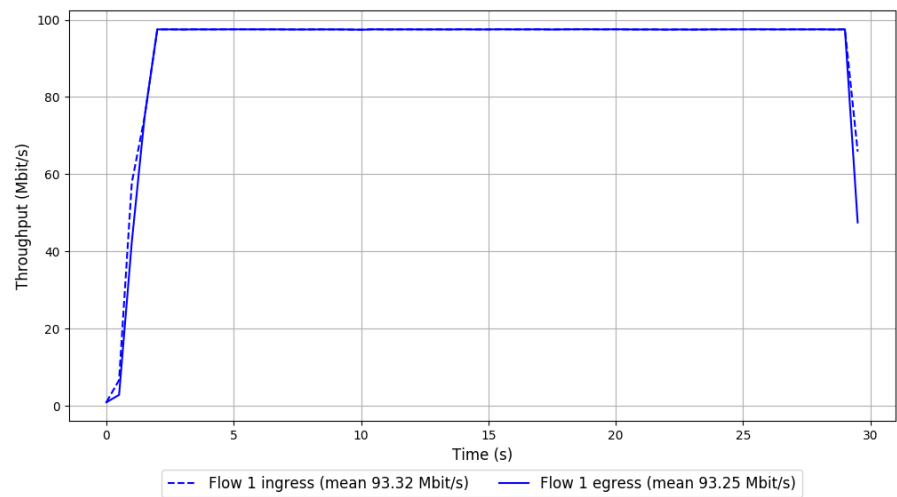
Run 1: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-25 21:04:35
End at: 2018-01-25 21:05:05
Local clock offset: 1.063 ms
Remote clock offset: -6.444 ms


# Below is generated by plot.py at 2018-01-26 10:01:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 97.097 ms
Loss rate: 18.32%
-- Flow 1:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 97.097 ms
Loss rate: 18.32%
```
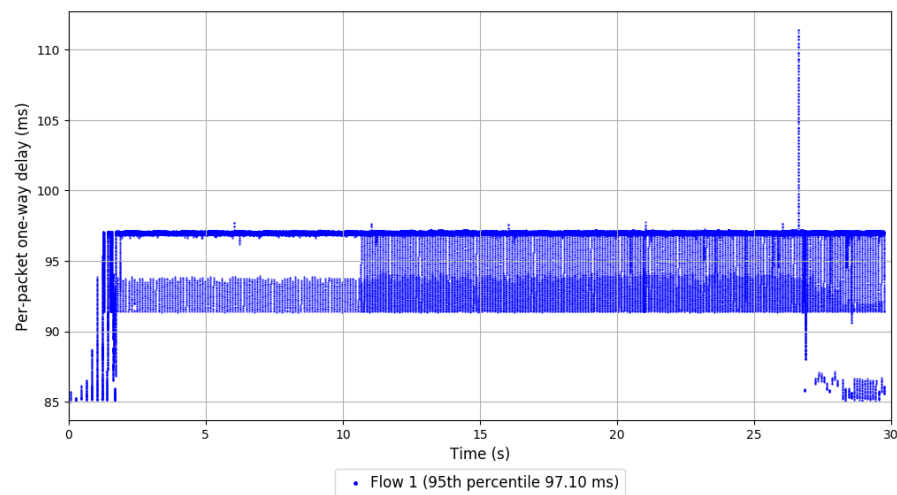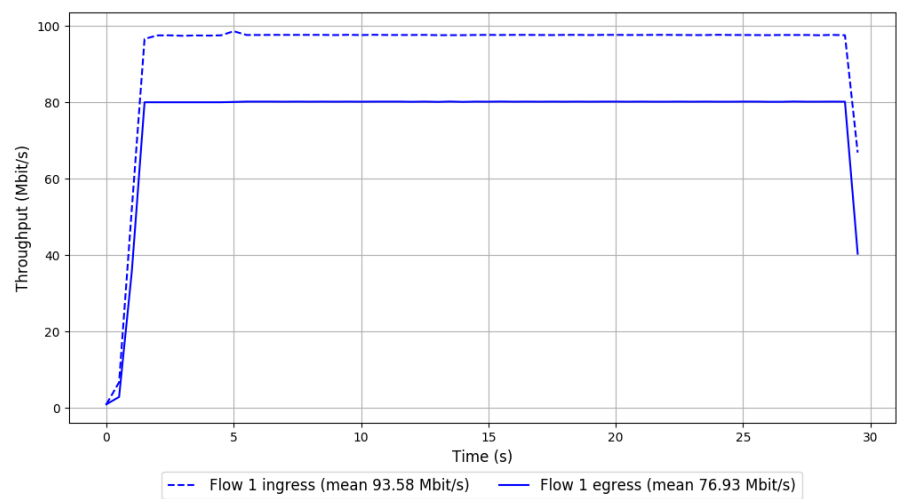
Run 2: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-25 21:24:13
End at: 2018-01-25 21:24:43
Local clock offset: 0.81 ms
Remote clock offset: -5.412 ms


# Below is generated by plot.py at 2018-01-26 10:01:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 97.313 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 97.313 ms
Loss rate: 0.67%
```
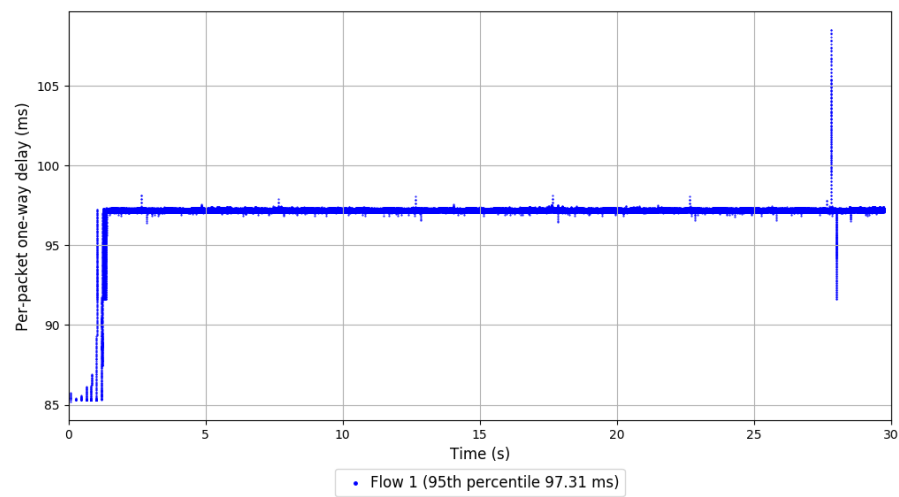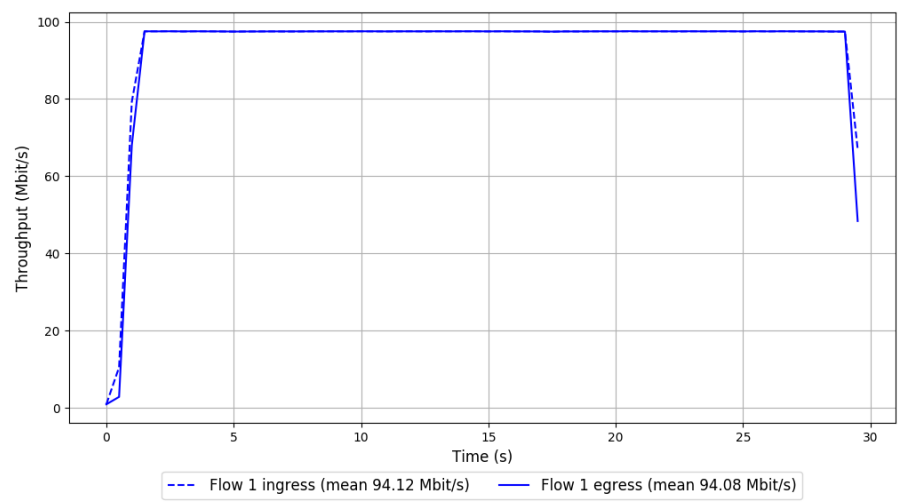
Run 3: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 94.12 Mbit/s)   Flow 1 egress (mean 94.08 Mbit/s)
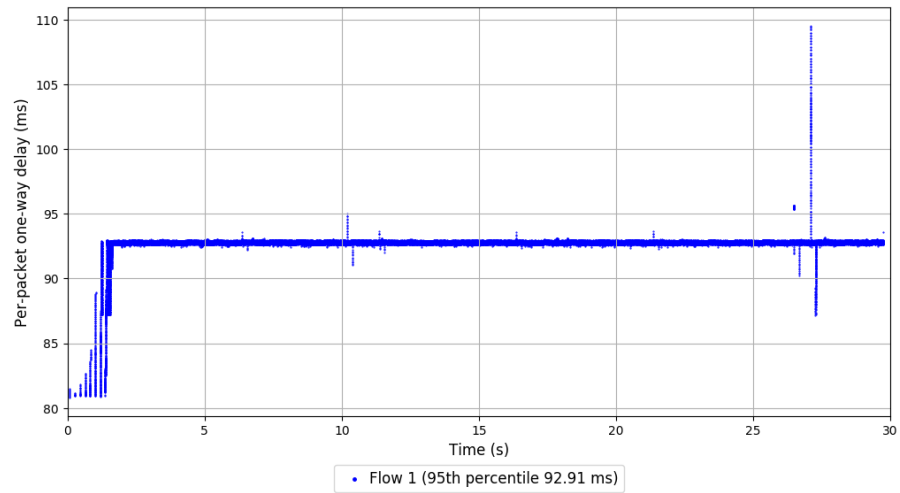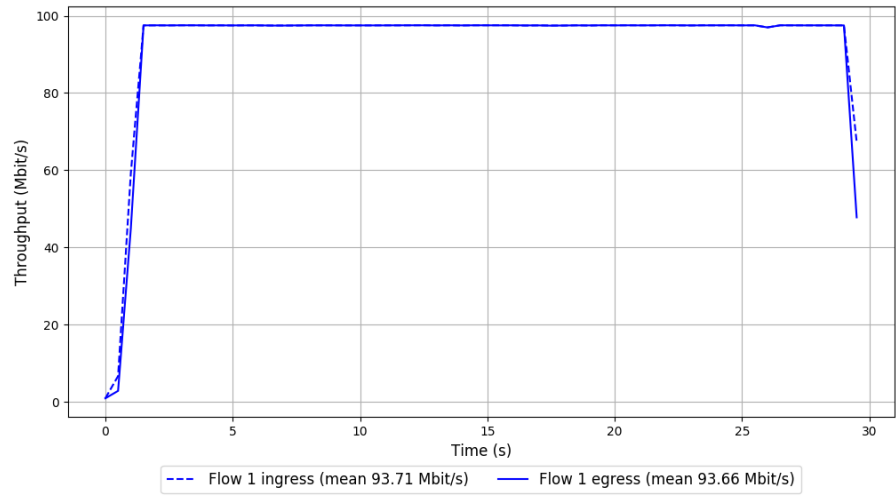

Flow 1 (95th percentile 97.31 ms)

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

Start at: 2018-01-25 21:43:48
End at: 2018-01-25 21:44:18
Local clock offset: 0.664 ms
Remote clock offset: -0.527 ms


# Below is generated by plot.py at 2018-01-26 10:01:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 92.909 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 92.909 ms
Loss rate: 0.67%
```

Run 4: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-25 22:03:40
End at: 2018-01-25 22:04:10
Local clock offset: 0.543 ms
Remote clock offset: -6.256 ms


# Below is generated by plot.py at 2018-01-26 10:01:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 96.802 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 96.802 ms
Loss rate: 0.67%
```
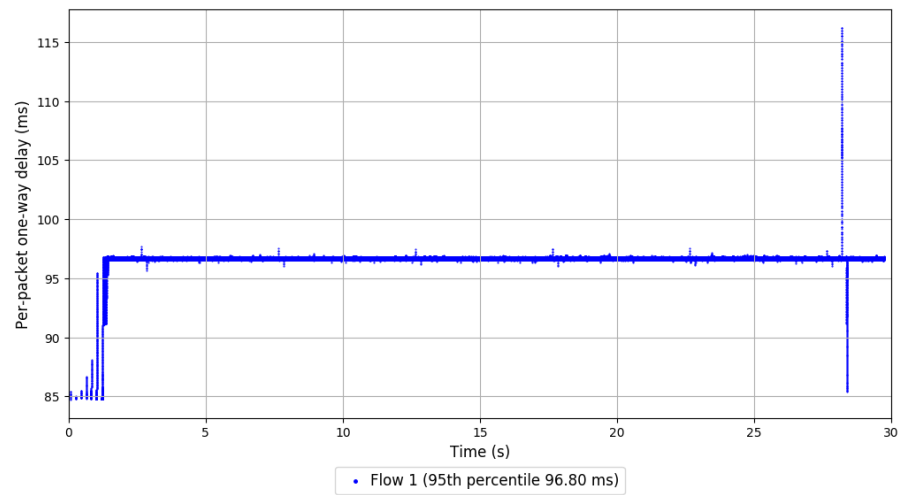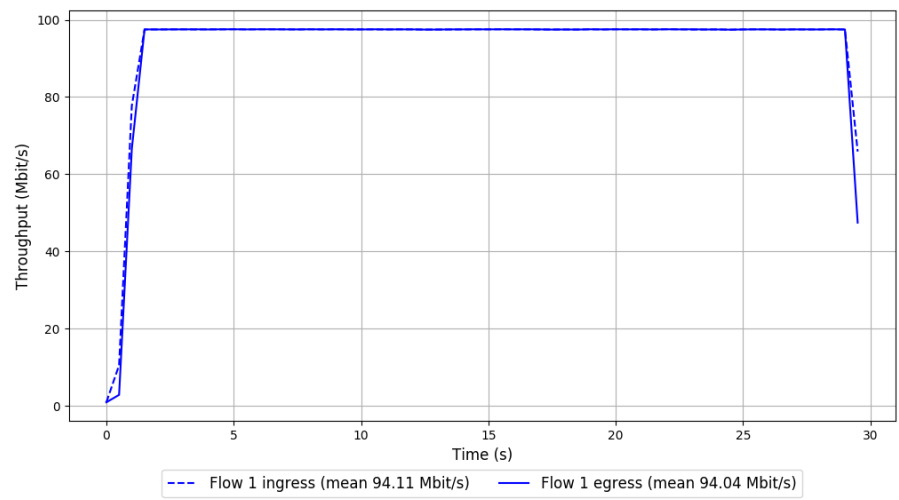
Run 5: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 94.11 Mbit/s)   Flow 1 egress (mean 94.04 Mbit/s)

Flow 1 (95th percentile 96.80 ms)

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

Start at: 2018-01-25 22:23:14
End at: 2018-01-25 22:23:44
Local clock offset: 0.444 ms
Remote clock offset: -5.065 ms


# Below is generated by plot.py at 2018-01-26 10:01:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 95.689 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 95.689 ms
Loss rate: 0.67%
```
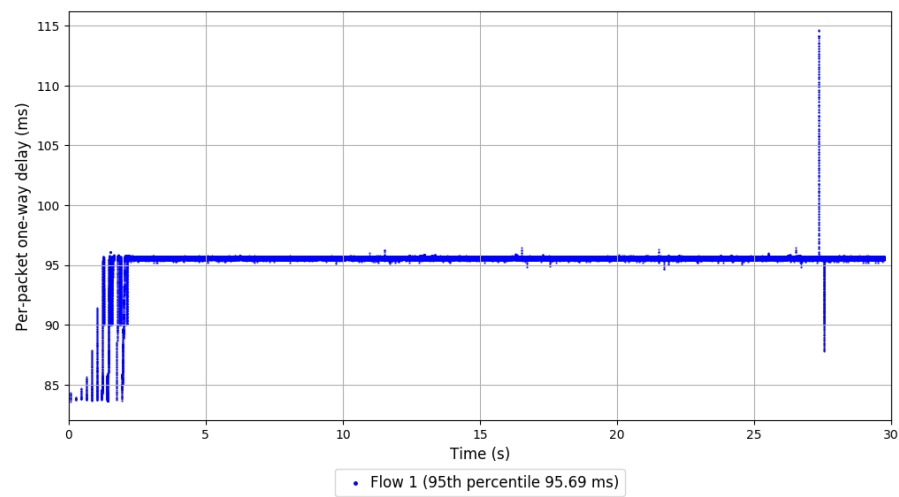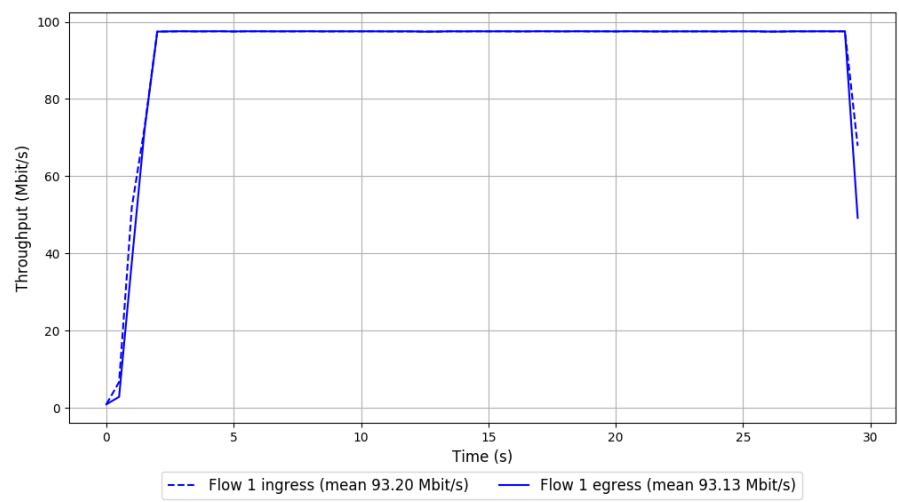
Run 6: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 93.20 Mbit/s)   Flow 1 egress (mean 93.13 Mbit/s)
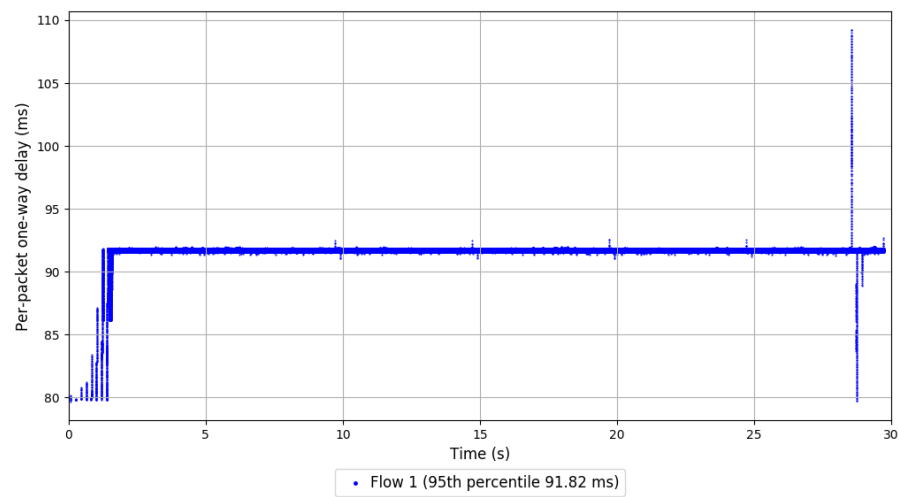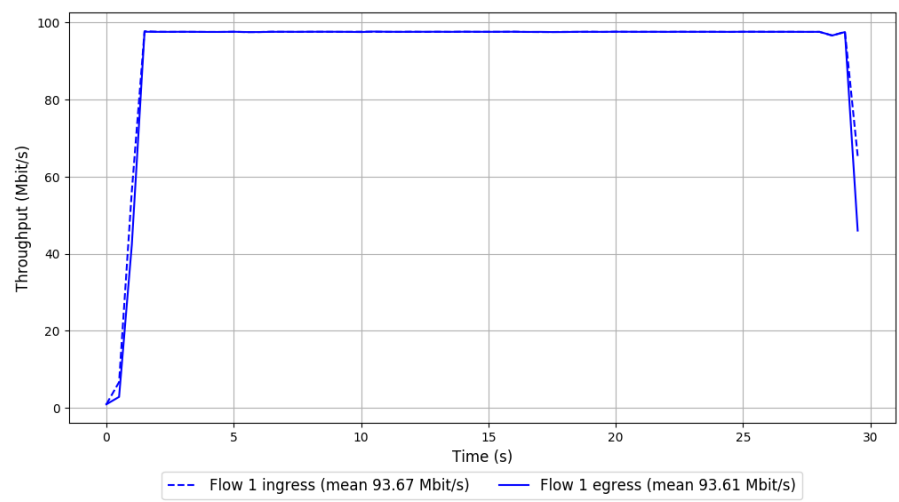

Flow 1 (95th percentile 95.69 ms)

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

Start at: 2018-01-25 22:42:56
End at: 2018-01-25 22:43:26
Local clock offset: 0.443 ms
Remote clock offset: -1.333 ms


# Below is generated by plot.py at 2018-01-26 10:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 91.819 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 91.819 ms
Loss rate: 0.67%
```

Run 7: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-25 23:02:44
End at: 2018-01-25 23:03:14
Local clock offset: 0.331 ms
Remote clock offset: -6.195 ms


# Below is generated by plot.py at 2018-01-26 10:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 99.623 ms
Loss rate: 18.19%
-- Flow 1:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 99.623 ms
Loss rate: 18.19%
```
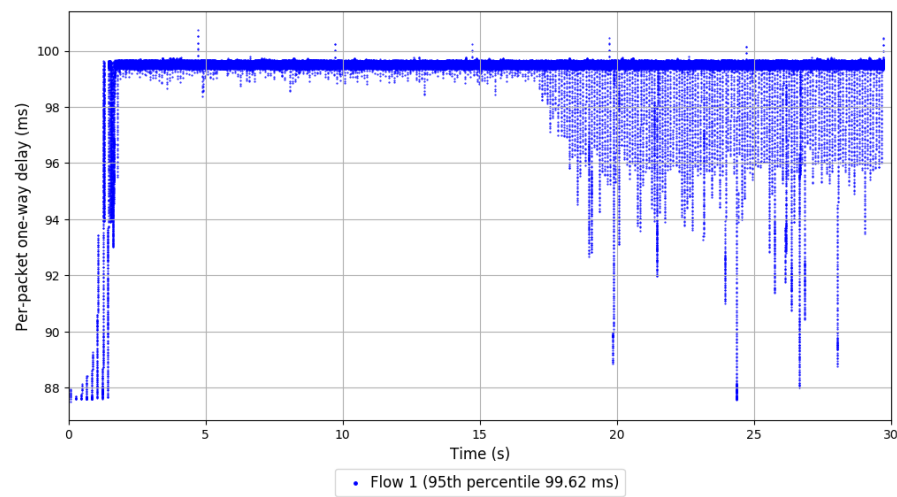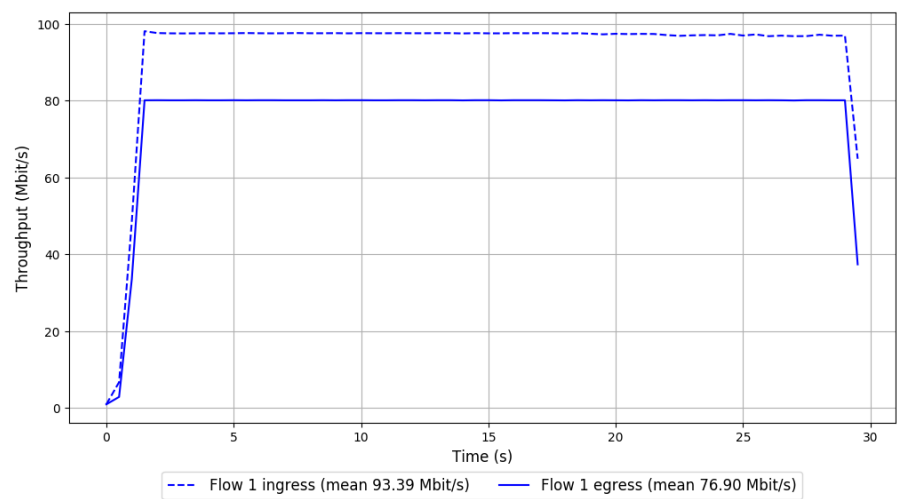
Run 8: Report of Indigo-1-32 — Data Link

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

Start at: 2018-01-25 23:22:26
End at: 2018-01-25 23:22:56
Local clock offset: 0.339 ms
Remote clock offset: -1.49 ms


# Below is generated by plot.py at 2018-01-26 10:02:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 91.845 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 91.845 ms
Loss rate: 0.67%
```
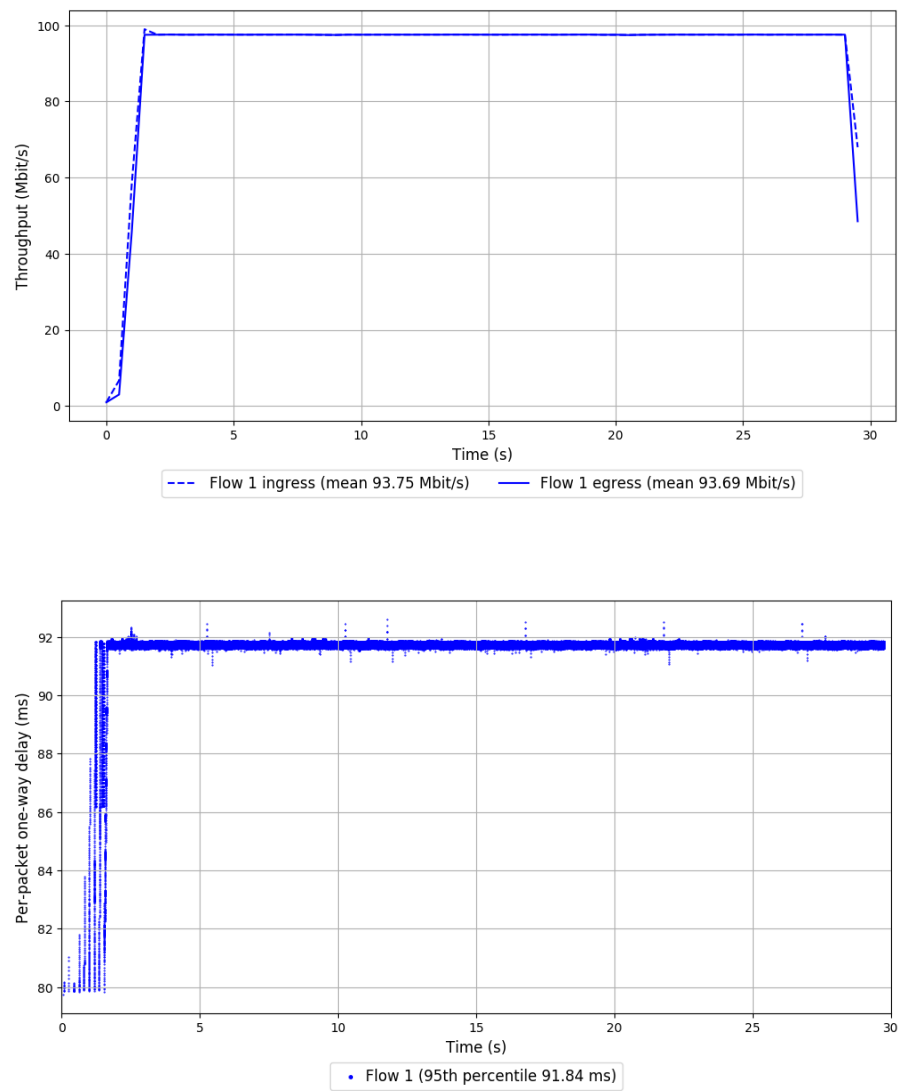
Run 9: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 93.75 Mbit/s) ---- Flow 1 egress (mean 93.69 Mbit/s)

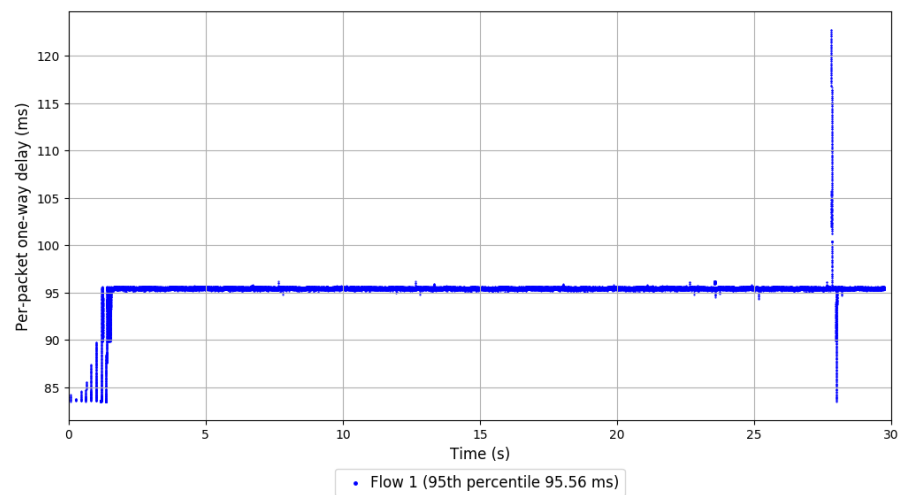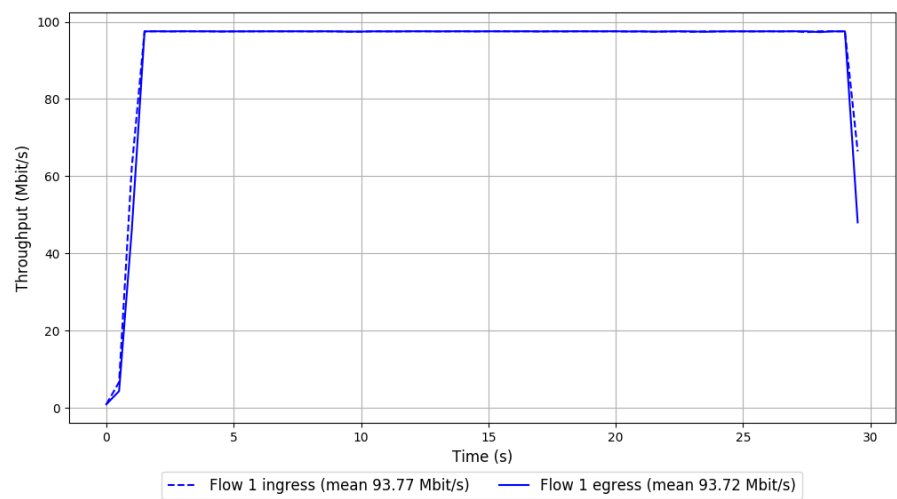

• Flow 1 (95th percentile 91.84 ms)

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

Start at: 2018-01-25 23:42:10
End at: 2018-01-25 23:42:40
Local clock offset: 0.309 ms
Remote clock offset: -5.631 ms

# Below is generated by plot.py at 2018-01-26 10:02:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 95.564 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 95.564 ms
Loss rate: 0.66%
```

Run 10: Report of Indigo-1-32 — Data Link

Flow 1 ingress (mean 93.77 Mbit/s)   Flow 1 egress (mean 93.72 Mbit/s)

Flow 1 (95th percentile 95.56 ms)

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

Start at: 2018-01-25 20:38:48
End at: 2018-01-25 20:39:18
Local clock offset: 1.262 ms
Remote clock offset: 0.302 ms


# Below is generated by plot.py at 2018-01-26 10:02:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 85.796 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 85.796 ms
Loss rate: 0.64%
```
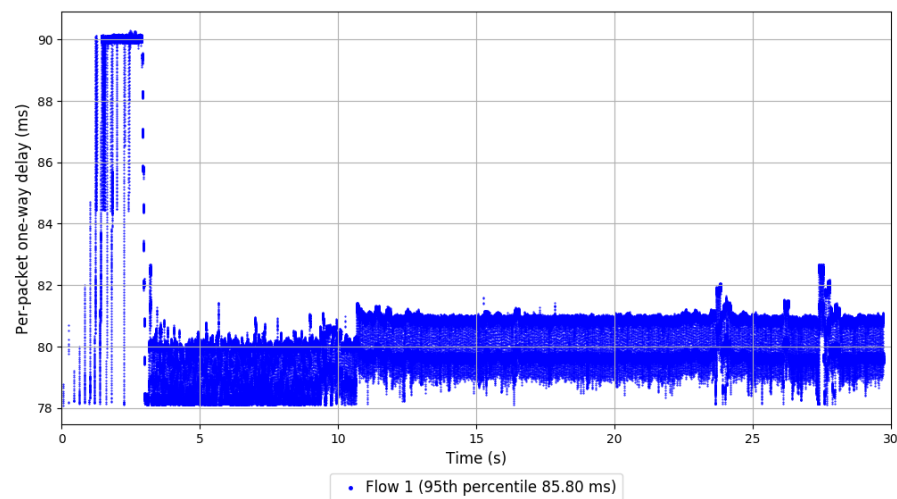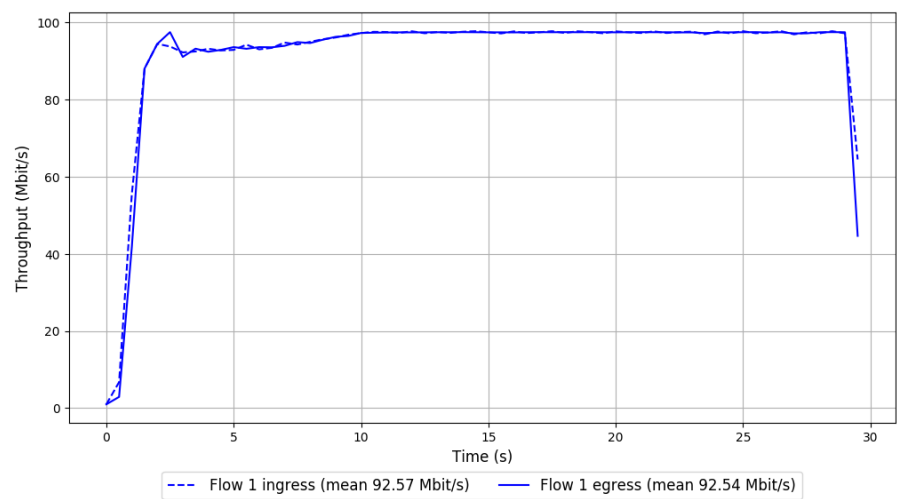
Run 1: Report of Indigo-1-128 — Data Link

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

Start at: 2018-01-25 20:58:33
End at: 2018-01-25 20:59:03
Local clock offset: 1.103 ms
Remote clock offset: -1.702 ms


# Below is generated by plot.py at 2018-01-26 10:02:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 86.787 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 86.787 ms
Loss rate: 0.71%
```
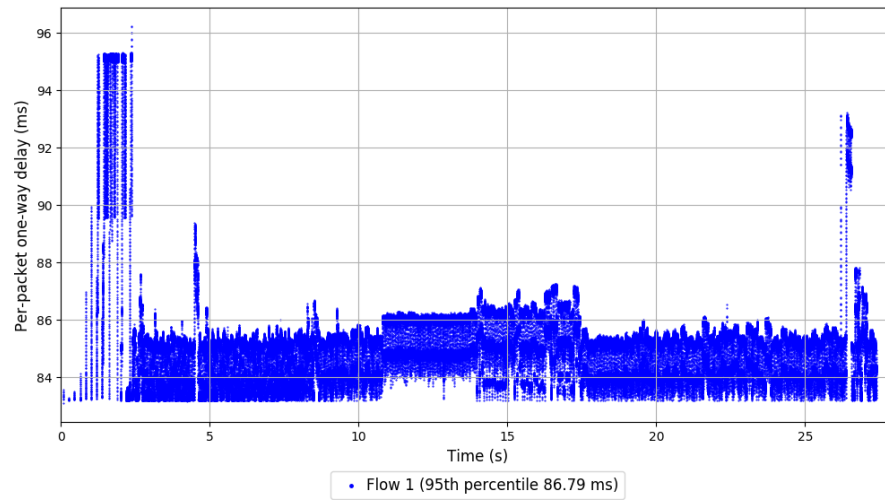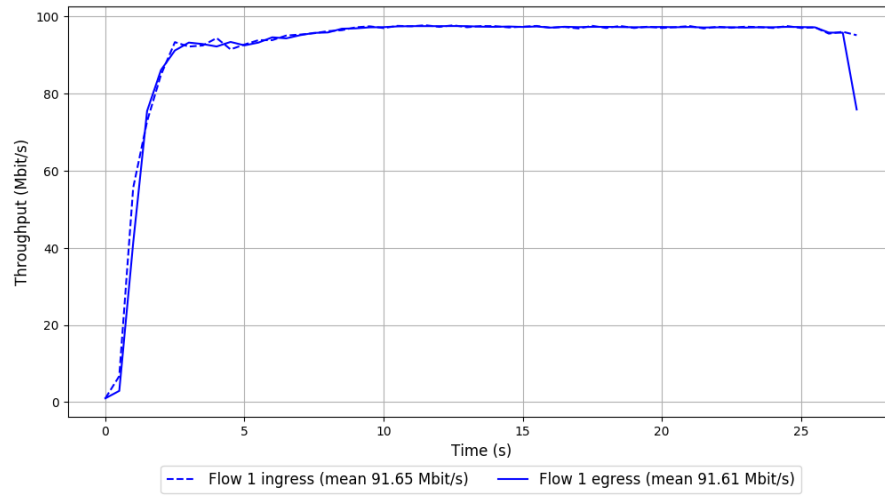
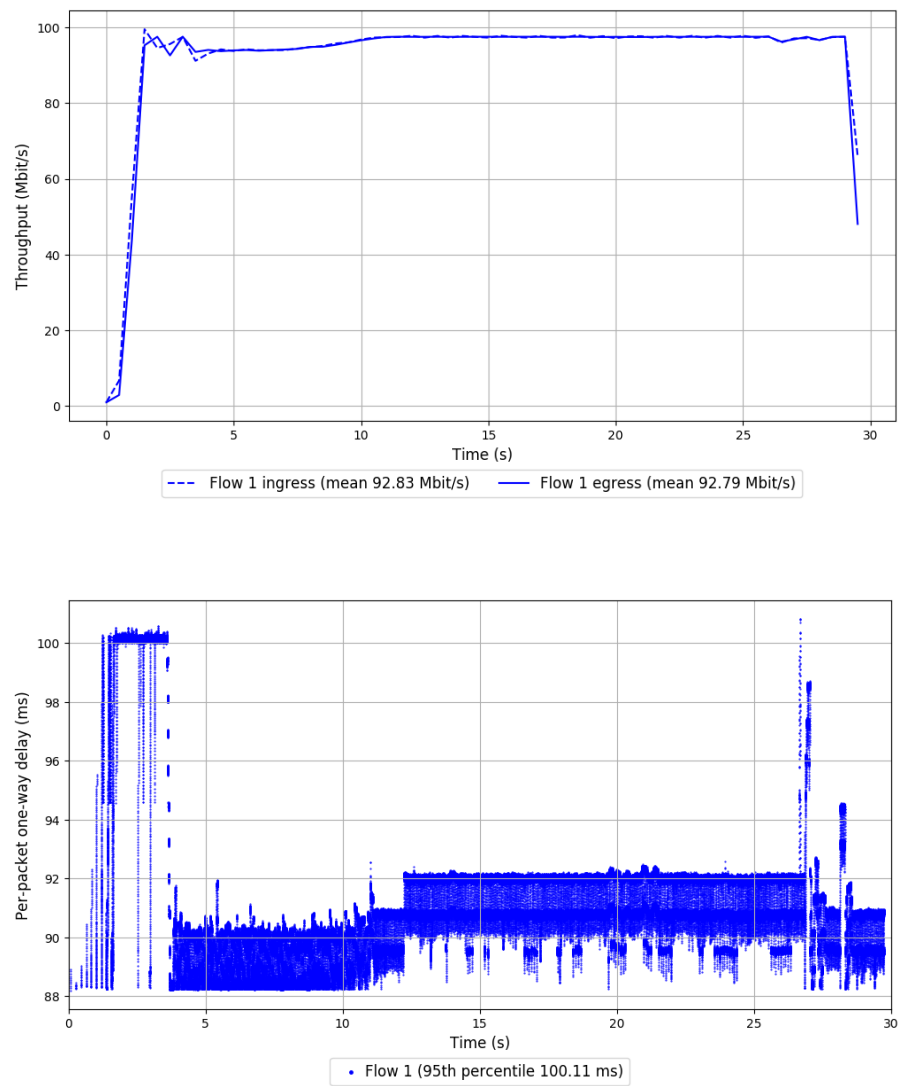# Run 2: Report of Indigo-1-128 — Data Link

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

Start at: 2018-01-25 21:18:10
End at: 2018-01-25 21:18:40
Local clock offset: 0.885 ms
Remote clock offset: -6.385 ms

# Below is generated by plot.py at 2018-01-26 10:03:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 100.105 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 100.105 ms
Loss rate: 0.64%
```

Run 3: Report of Indigo-1-128 — Data Link

Flow 1 ingress (mean 92.83 Mbit/s)   Flow 1 egress (mean 92.79 Mbit/s)

Flow 1 (95th percentile 100.11 ms)

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

Start at: 2018-01-25 21:37:46
End at: 2018-01-25 21:38:16
Local clock offset: 0.677 ms
Remote clock offset: -6.273 ms


# Below is generated by plot.py at 2018-01-26 10:03:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 100.259 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 100.259 ms
Loss rate: 0.75%
```
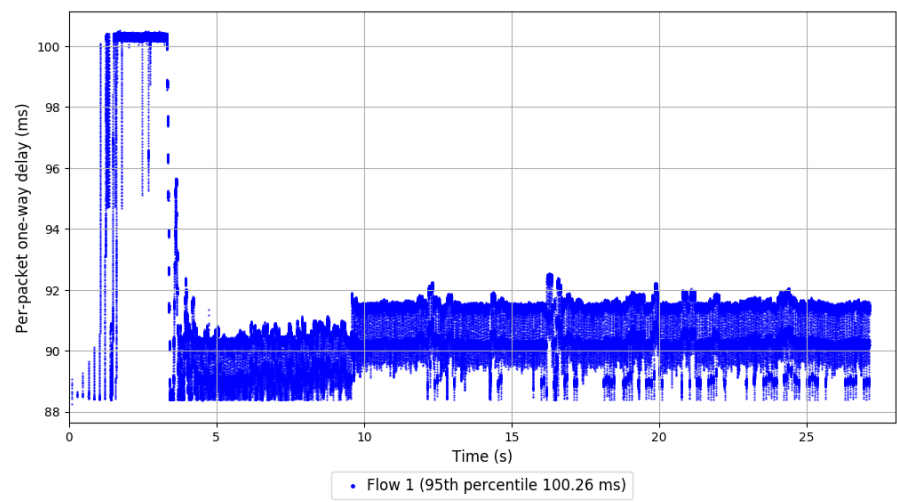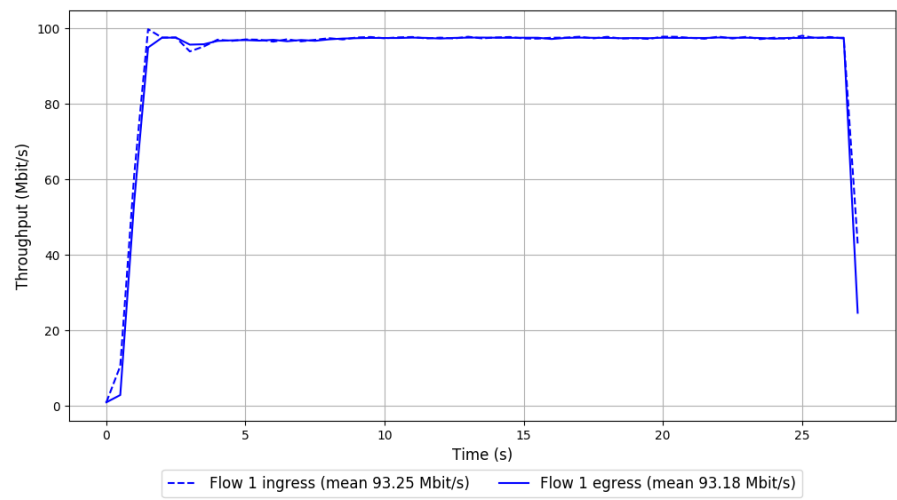
Run 4: Report of Indigo-1-128 — Data Link

Flow 1 ingress (mean 93.25 Mbit/s) ——— Flow 1 egress (mean 93.18 Mbit/s)

• Flow 1 (95th percentile 100.26 ms)

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

Start at: 2018-01-25 21:57:38
End at: 2018-01-25 21:58:08
Local clock offset: 0.54 ms
Remote clock offset: -6.203 ms

# Below is generated by plot.py at 2018-01-26 10:03:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 96.631 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 96.631 ms
Loss rate: 0.62%
```
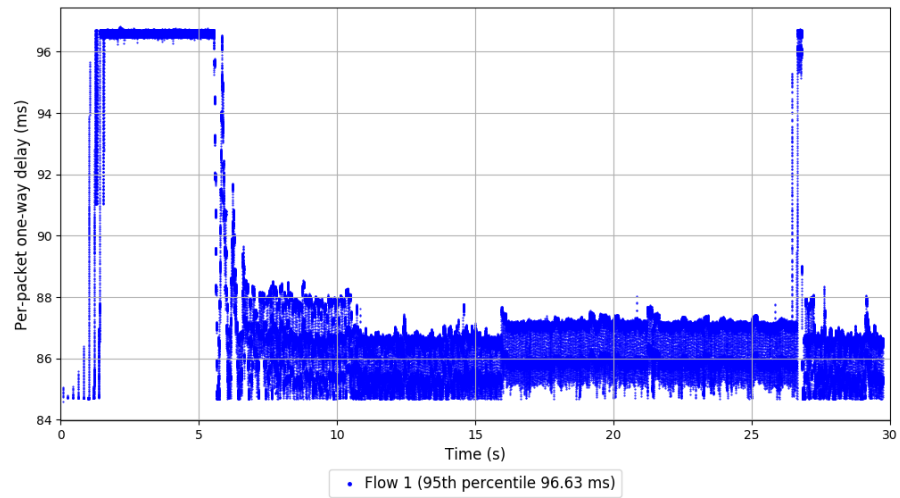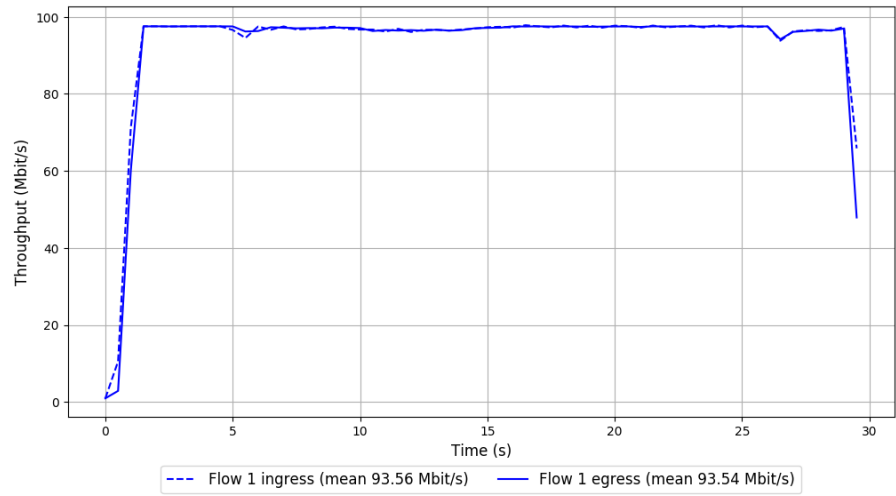
Run 5: Report of Indigo-1-128 — Data Link

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

Start at: 2018-01-25 22:17:12
End at: 2018-01-25 22:17:42
Local clock offset: 0.478 ms
Remote clock offset: 0.742 ms


# Below is generated by plot.py at 2018-01-26 10:03:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.45 Mbit/s
95th percentile per-packet one-way delay: 91.842 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 91.45 Mbit/s
95th percentile per-packet one-way delay: 91.842 ms
Loss rate: 0.65%
```
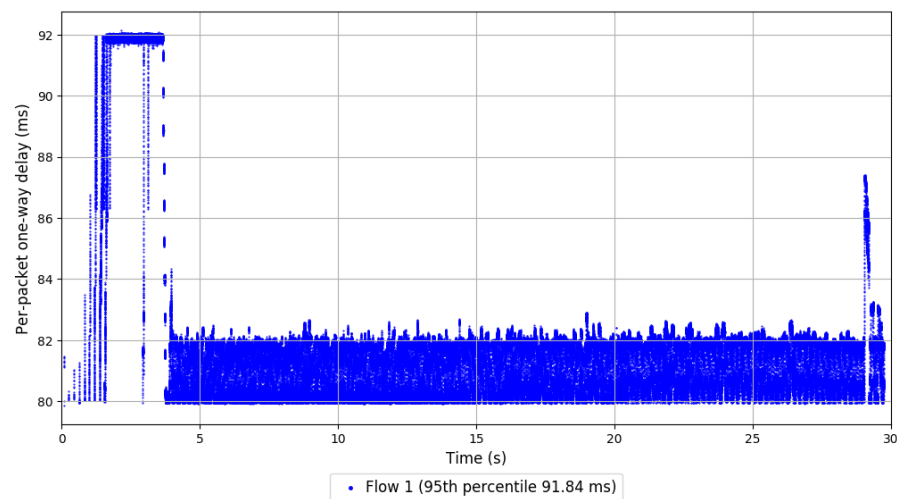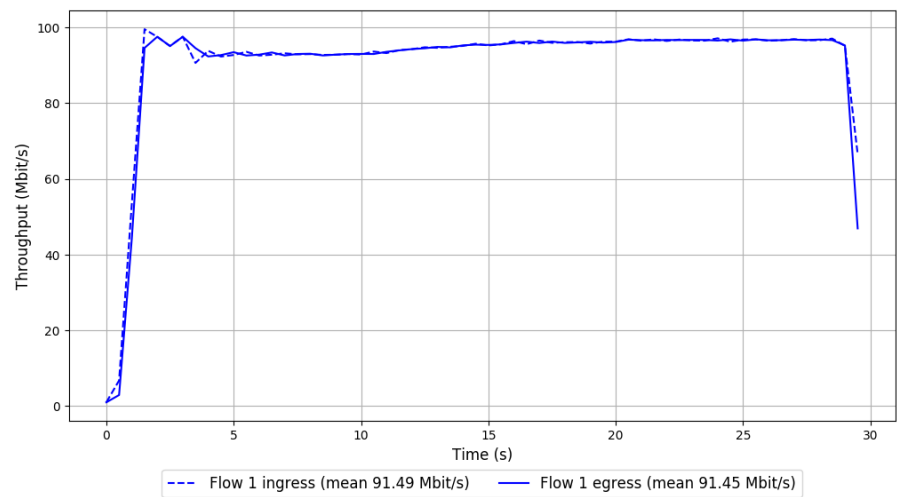
Run 6: Report of Indigo-1-128 — Data Link

Flow 1 ingress (mean 91.49 Mbit/s) --- Flow 1 egress (mean 91.45 Mbit/s)

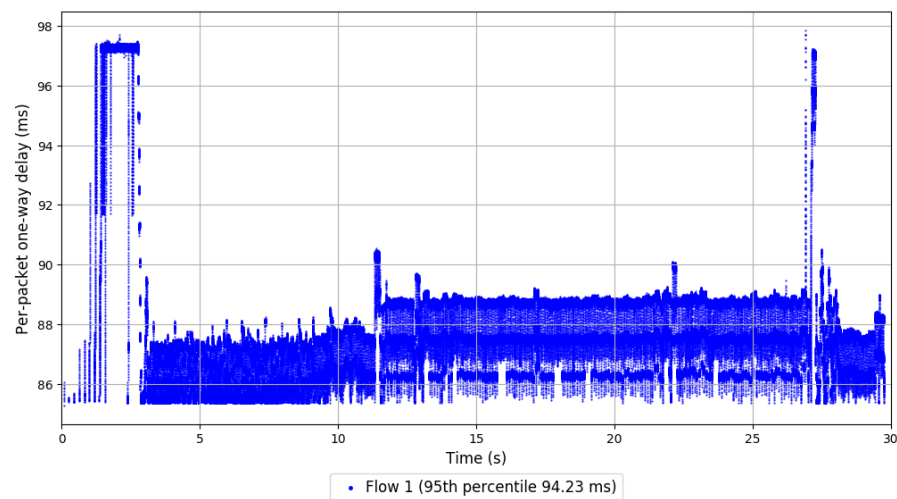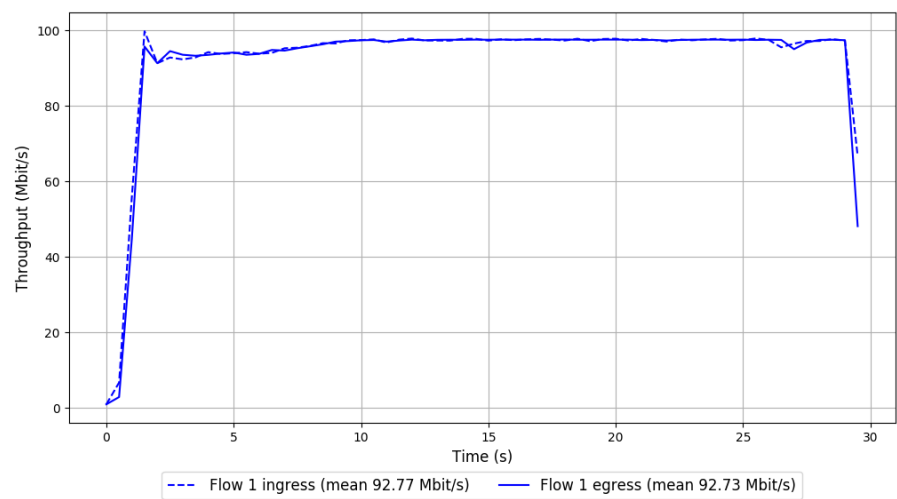

• Flow 1 (95th percentile 91.84 ms)

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

Start at: 2018-01-25 22:36:54
End at: 2018-01-25 22:37:25
Local clock offset: 0.463 ms
Remote clock offset: -5.183 ms

# Below is generated by plot.py at 2018-01-26 10:03:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 94.227 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 94.227 ms
Loss rate: 0.64%
```

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

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

Start at: 2018-01-25 22:56:42
End at: 2018-01-25 22:57:12
Local clock offset: 0.402 ms
Remote clock offset: -6.226 ms


# Below is generated by plot.py at 2018-01-26 10:03:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 100.002 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 100.002 ms
Loss rate: 0.64%
```
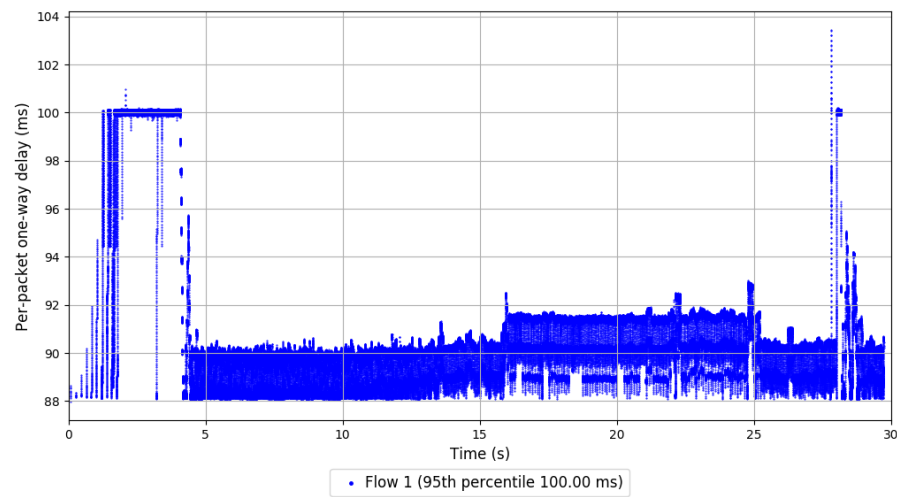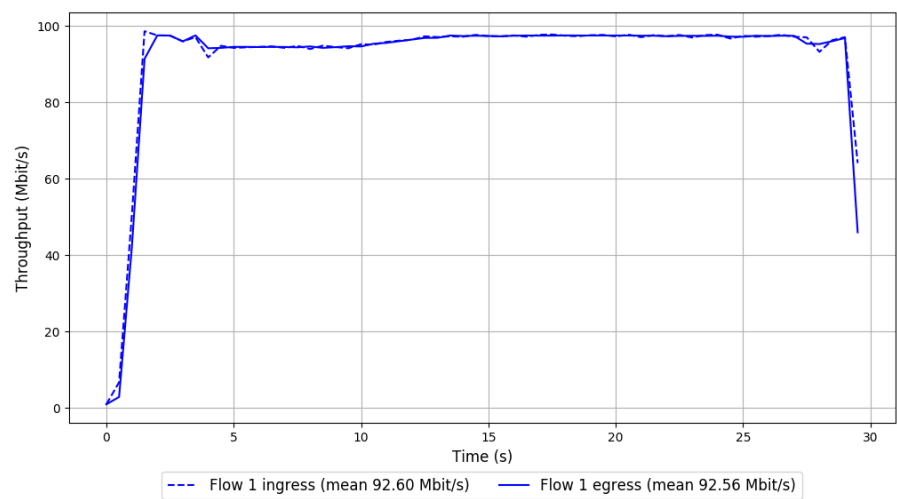
Run 8: Report of Indigo-1-128 — Data Link

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

Start at: 2018-01-25 23:16:28
End at: 2018-01-25 23:16:58
Local clock offset: 0.306 ms
Remote clock offset: -6.322 ms


# Below is generated by plot.py at 2018-01-26 10:03:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 97.911 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 97.911 ms
Loss rate: 1.00%
```
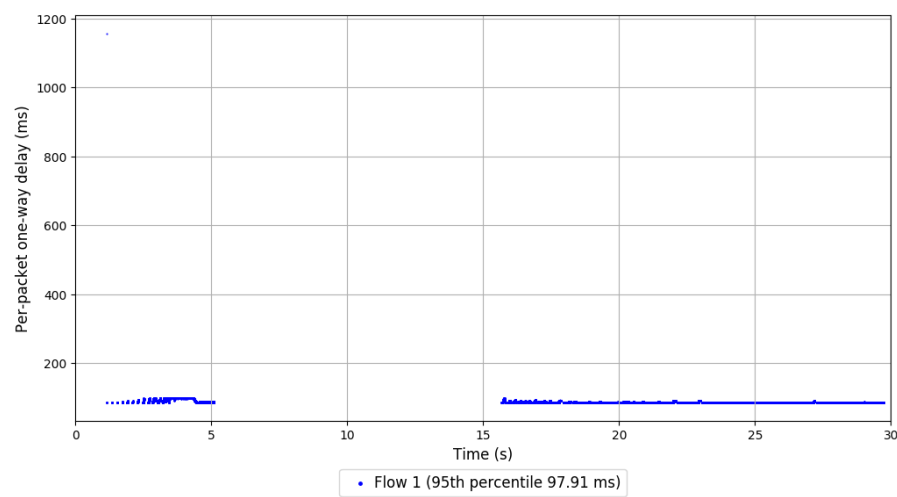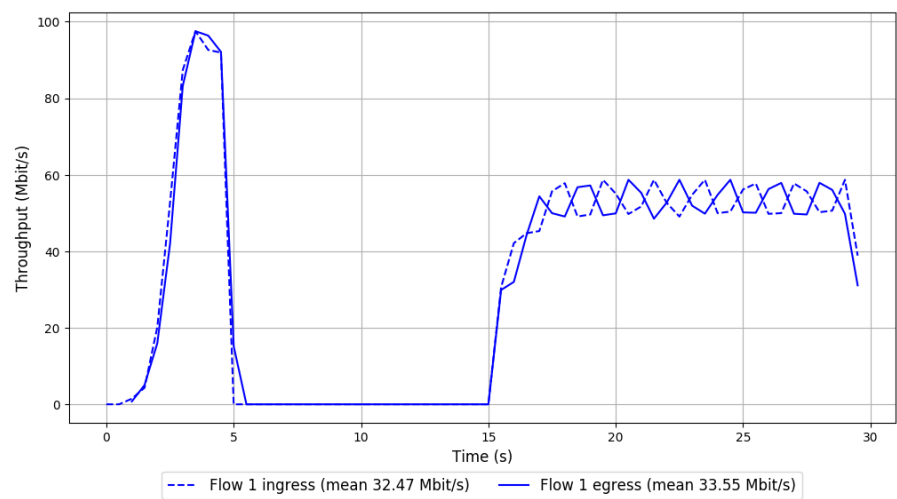
Run 9: Report of Indigo-1-128 — Data Link

Flow 1 ingress (mean 32.47 Mbit/s) — — — Flow 1 egress (mean 33.55 Mbit/s)

• Flow 1 (95th percentile 97.91 ms)

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

Start at: 2018-01-25 23:36:08
End at: 2018-01-25 23:36:38
Local clock offset: 0.23 ms
Remote clock offset: -0.807 ms


# Below is generated by plot.py at 2018-01-26 10:03:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 84.291 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 84.291 ms
Loss rate: 0.63%
```

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

Flow 1 ingress (mean 93.01 Mbit/s)   Flow 1 egress (mean 92.98 Mbit/s)

• Flow 1 (95th percentile 84.29 ms)