Pantheon Report

Generated at 2018-01-02 07:14:19 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

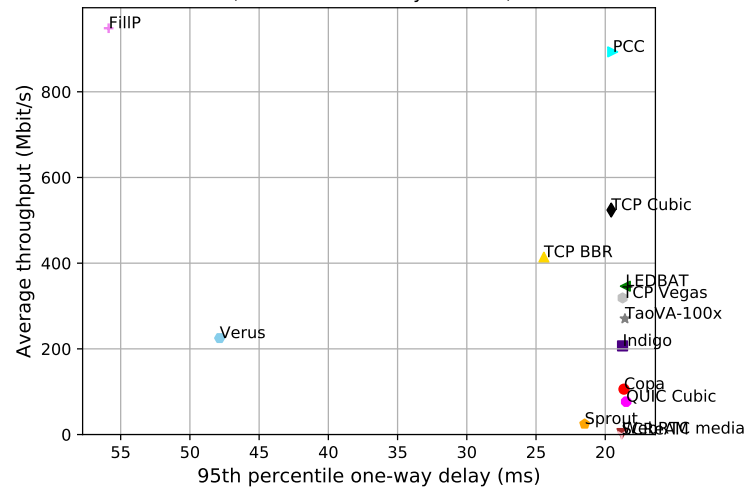Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

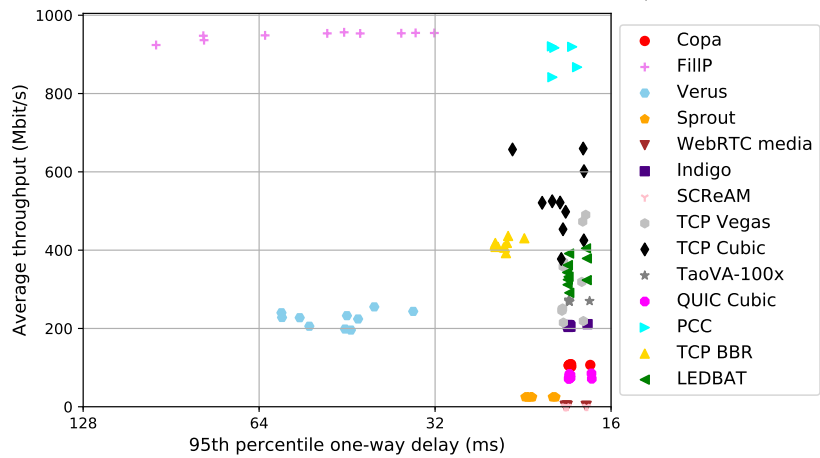NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
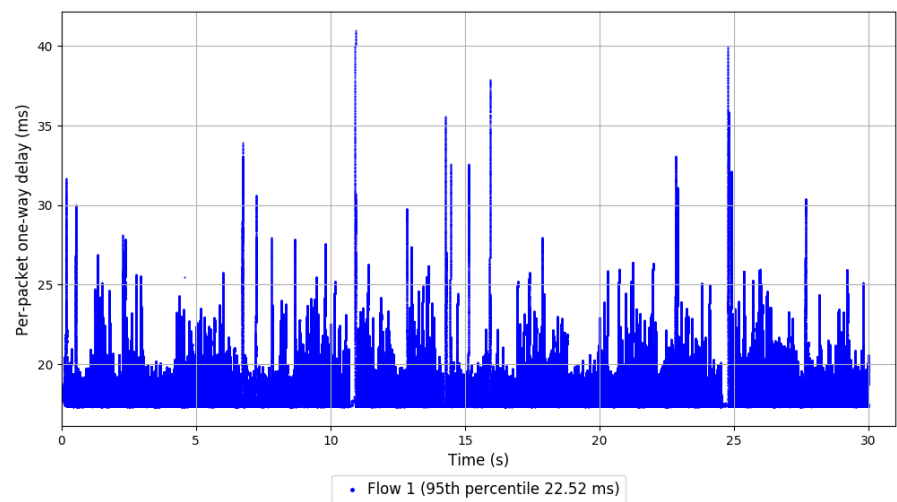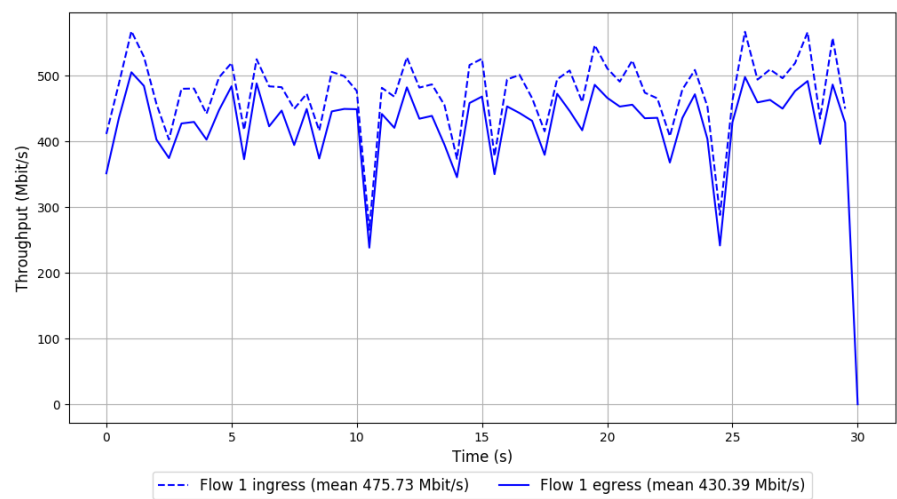
2

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	414.01	24.43	9.61
TCP Cubic	10	523.97	19.57	0.06
LEDBAT	10	346.24	18.55	0.01
PCC	5	893.16	19.46	0.29
QUIC Cubic	9	76.77	18.49	0.00
SCReAM	10	0.22	18.82	0.00
WebRTC media	10	2.30	18.79	0.00
Sprout	10	24.72	21.49	0.00
TaoVA-100x	5	270.35	18.58	0.00
TCP Vegas	10	318.87	18.75	0.05
Verus	10	225.15	47.85	19.37
Copa	9	105.95	18.65	0.00
FillP	10	948.36	55.87	4.20
Indigo	10	206.94	18.75	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-02 01:04:08
End at: 2018-01-02 01:04:38
Local clock offset: -0.274 ms
Remote clock offset: -0.867 ms


# Below is generated by plot.py at 2018-01-02 06:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 430.39 Mbit/s
95th percentile per-packet one-way delay: 22.515 ms
Loss rate: 9.53%
-- Flow 1:
Average throughput: 430.39 Mbit/s
95th percentile per-packet one-way delay: 22.515 ms
Loss rate: 9.53%
```

Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-01-02 01:24:09
End at: 2018-01-02 01:24:40
Local clock offset: 0.127 ms
Remote clock offset: -0.763 ms


# Below is generated by plot.py at 2018-01-02 06:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 408.23 Mbit/s
95th percentile per-packet one-way delay: 25.221 ms
Loss rate: 7.90%
-- Flow 1:
Average throughput: 408.23 Mbit/s
95th percentile per-packet one-way delay: 25.221 ms
Loss rate: 7.90%
```
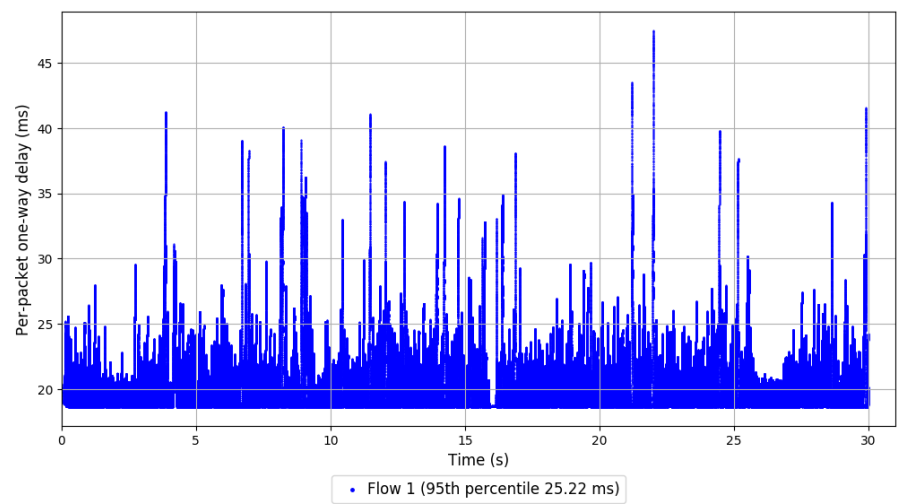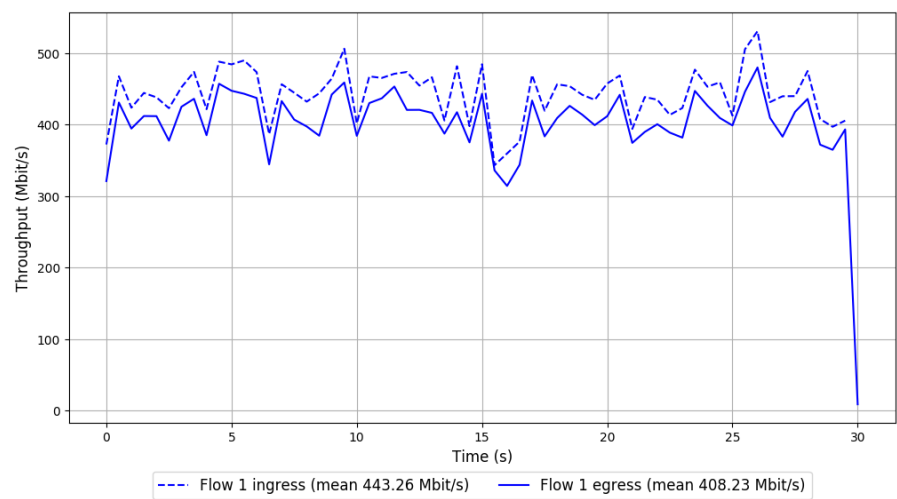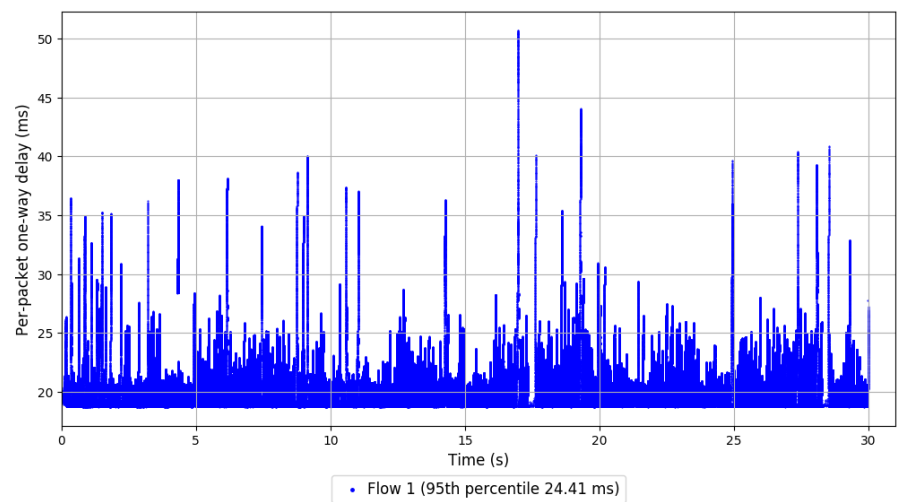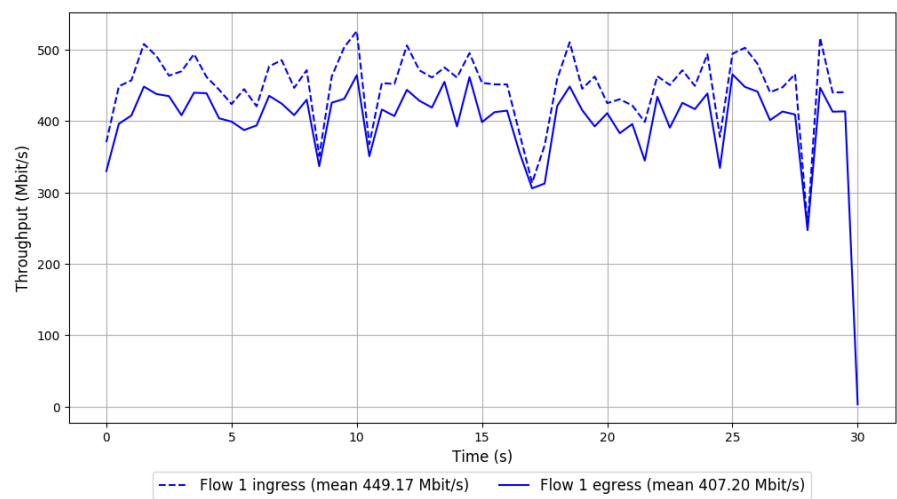
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 443.26 Mbit/s)   Flow 1 egress (mean 408.23 Mbit/s)

Flow 1 (95th percentile 25.22 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-01-02 01:44:44
End at: 2018-01-02 01:45:14
Local clock offset: 0.037 ms
Remote clock offset: -1.049 ms


# Below is generated by plot.py at 2018-01-02 06:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 407.20 Mbit/s
95th percentile per-packet one-way delay: 24.413 ms
Loss rate: 9.32%
-- Flow 1:
Average throughput: 407.20 Mbit/s
95th percentile per-packet one-way delay: 24.413 ms
Loss rate: 9.32%
```
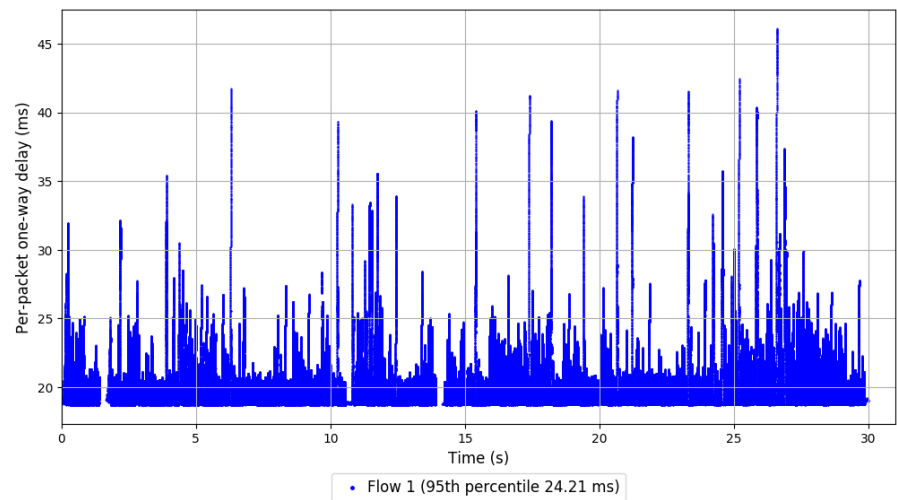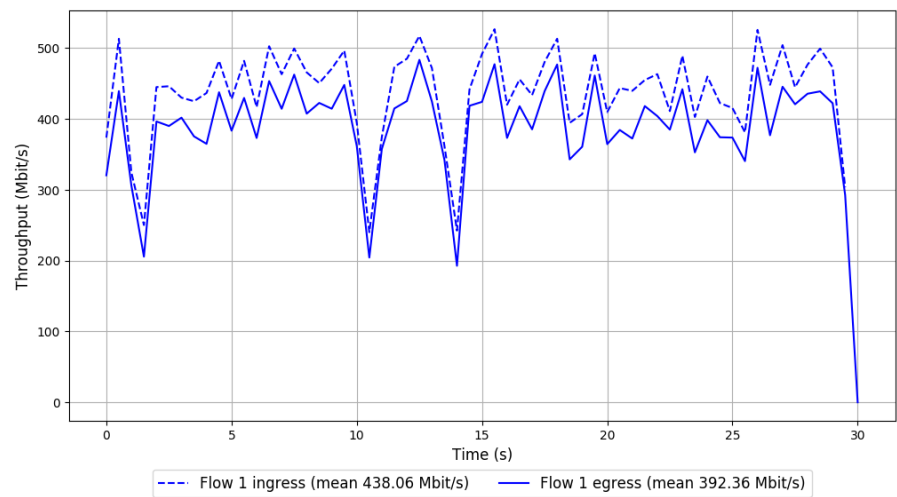
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 449.17 Mbit/s)   Flow 1 egress (mean 407.20 Mbit/s)

Flow 1 (95th percentile 24.41 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-01-02 02:05:08
End at: 2018-01-02 02:05:38
Local clock offset: 0.183 ms
Remote clock offset: -1.078 ms


# Below is generated by plot.py at 2018-01-02 06:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 392.36 Mbit/s
95th percentile per-packet one-way delay: 24.206 ms
Loss rate: 10.43%
-- Flow 1:
Average throughput: 392.36 Mbit/s
95th percentile per-packet one-way delay: 24.206 ms
Loss rate: 10.43%
```
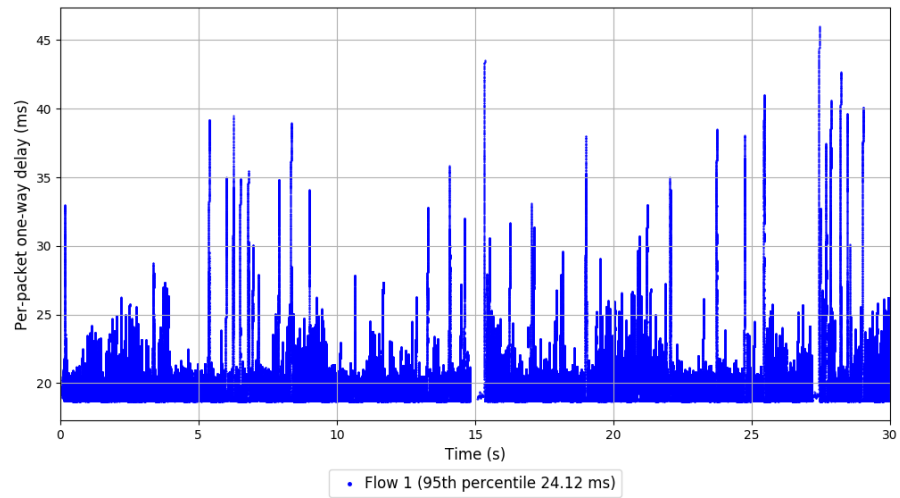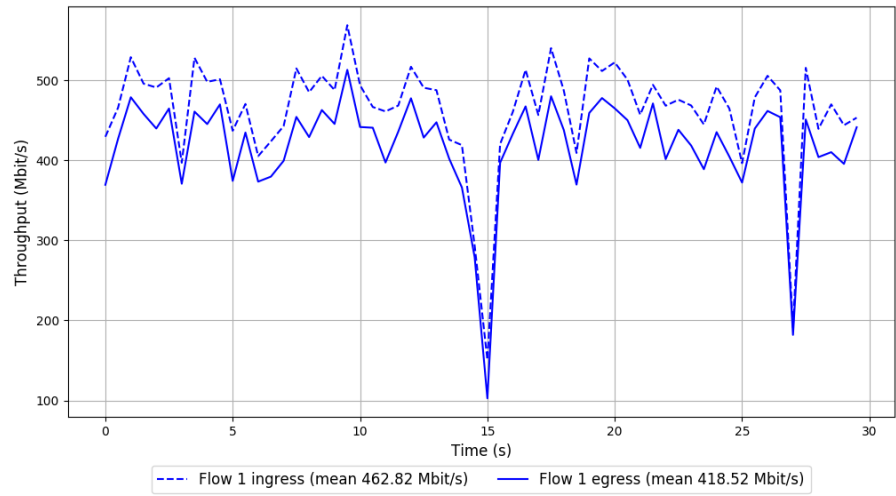
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 438.06 Mbit/s) ----- Flow 1 egress (mean 392.36 Mbit/s)

• Flow 1 (95th percentile 24.21 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-01-02 02:25:34
End at: 2018-01-02 02:26:04
Local clock offset: 0.505 ms
Remote clock offset: -1.161 ms


# Below is generated by plot.py at 2018-01-02 06:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 418.52 Mbit/s
95th percentile per-packet one-way delay: 24.118 ms
Loss rate: 9.57%
-- Flow 1:
Average throughput: 418.52 Mbit/s
95th percentile per-packet one-way delay: 24.118 ms
Loss rate: 9.57%
```
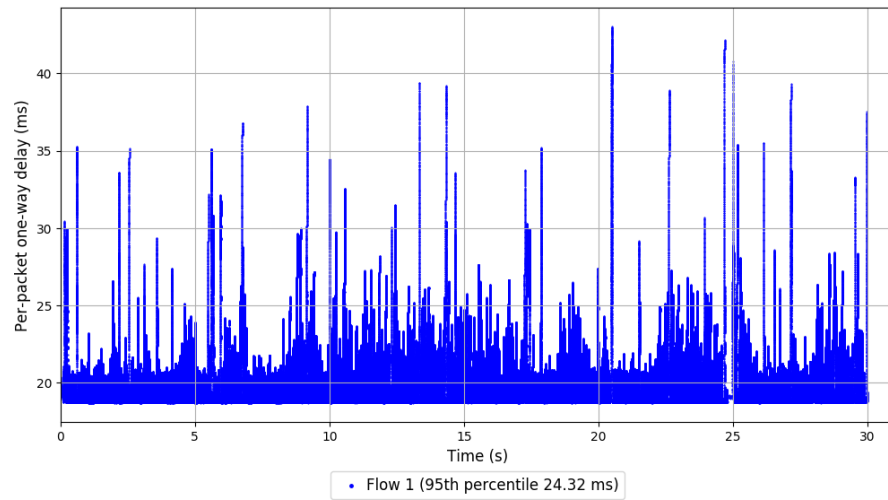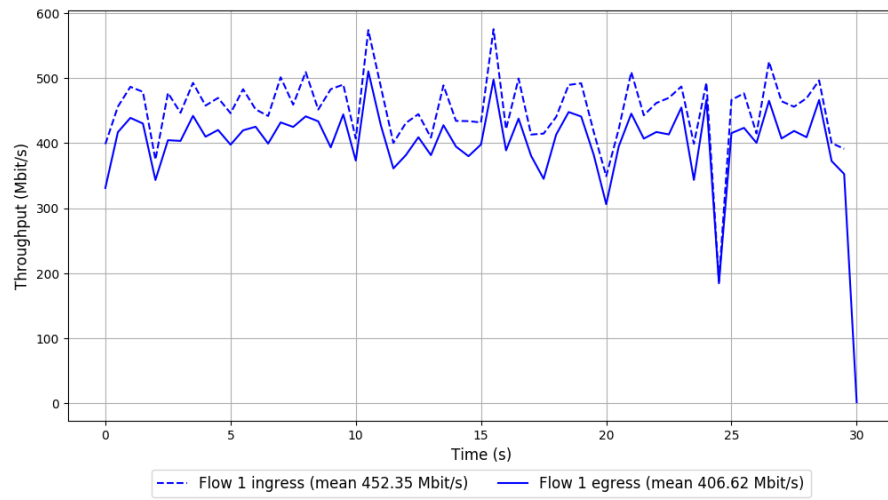
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 462.82 Mbit/s)   Flow 1 egress (mean 418.52 Mbit/s)

• Flow 1 (95th percentile 24.12 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-01-02 02:46:12
End at: 2018-01-02 02:46:42
Local clock offset: 0.766 ms
Remote clock offset: -1.102 ms


# Below is generated by plot.py at 2018-01-02 06:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 406.62 Mbit/s
95th percentile per-packet one-way delay: 24.316 ms
Loss rate: 10.11%
-- Flow 1:
Average throughput: 406.62 Mbit/s
95th percentile per-packet one-way delay: 24.316 ms
Loss rate: 10.11%
```
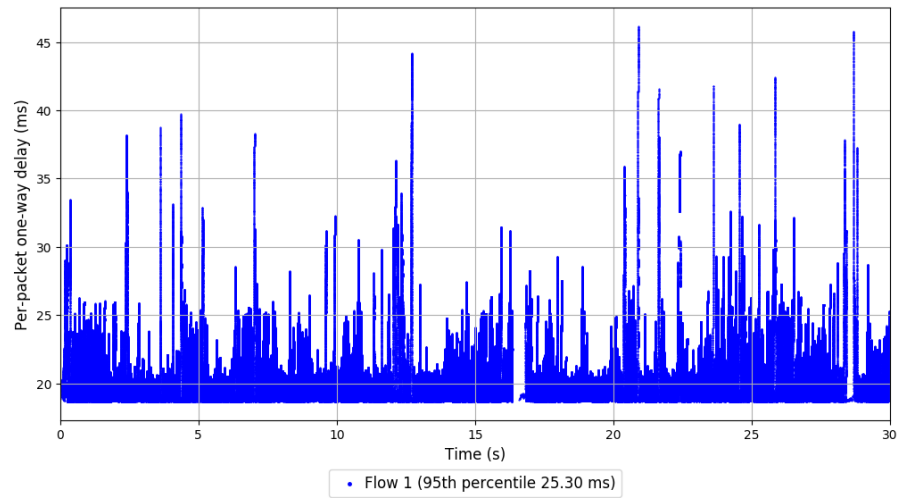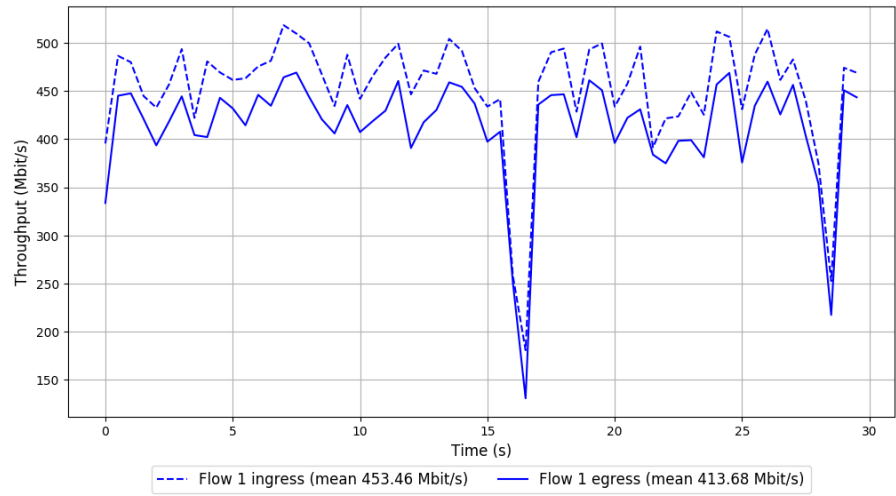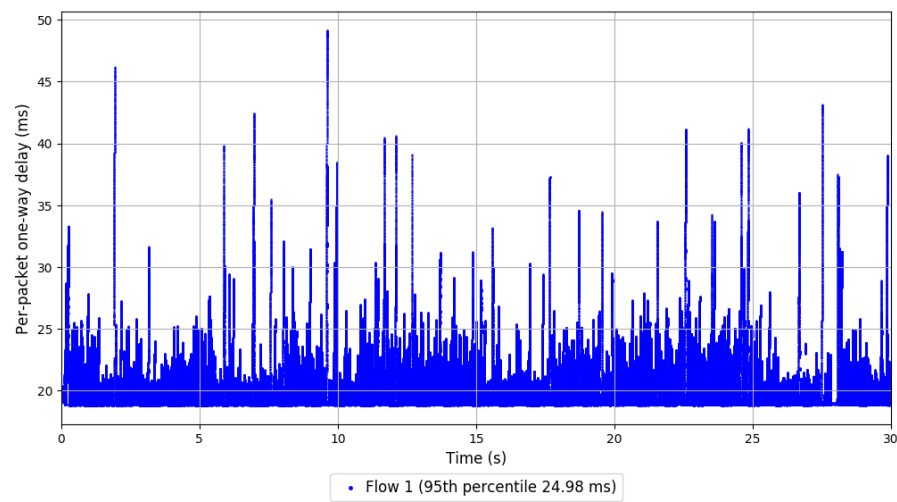
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 452.35 Mbit/s)   Flow 1 egress (mean 406.62 Mbit/s)
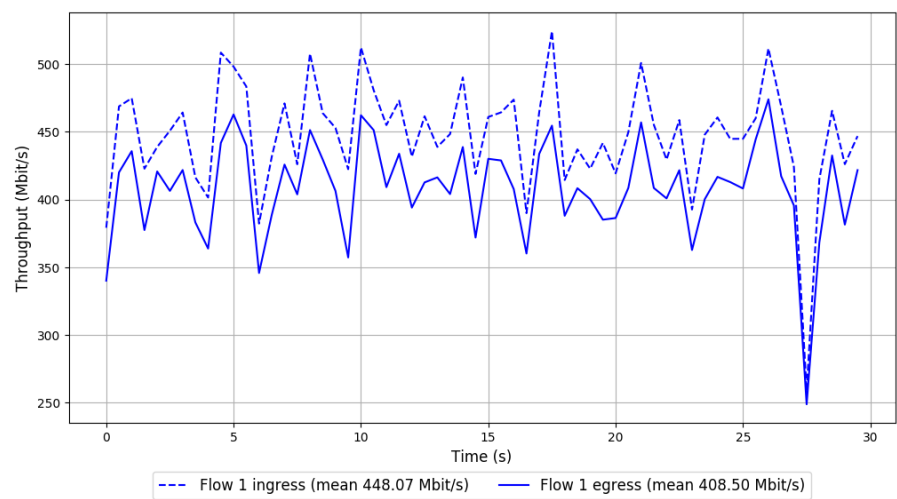

Flow 1 (95th percentile 24.32 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2018-01-02 03:06:40
End at: 2018-01-02 03:07:10
Local clock offset: 0.814 ms
Remote clock offset: -1.22 ms


# Below is generated by plot.py at 2018-01-02 06:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 413.68 Mbit/s
95th percentile per-packet one-way delay: 25.300 ms
Loss rate: 8.77%
-- Flow 1:
Average throughput: 413.68 Mbit/s
95th percentile per-packet one-way delay: 25.300 ms
Loss rate: 8.77%
```

Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2018-01-02 03:27:02
End at: 2018-01-02 03:27:32
Local clock offset: 0.88 ms
Remote clock offset: -1.446 ms


# Below is generated by plot.py at 2018-01-02 06:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 408.50 Mbit/s
95th percentile per-packet one-way delay: 24.981 ms
Loss rate: 8.83%
-- Flow 1:
Average throughput: 408.50 Mbit/s
95th percentile per-packet one-way delay: 24.981 ms
Loss rate: 8.83%
```
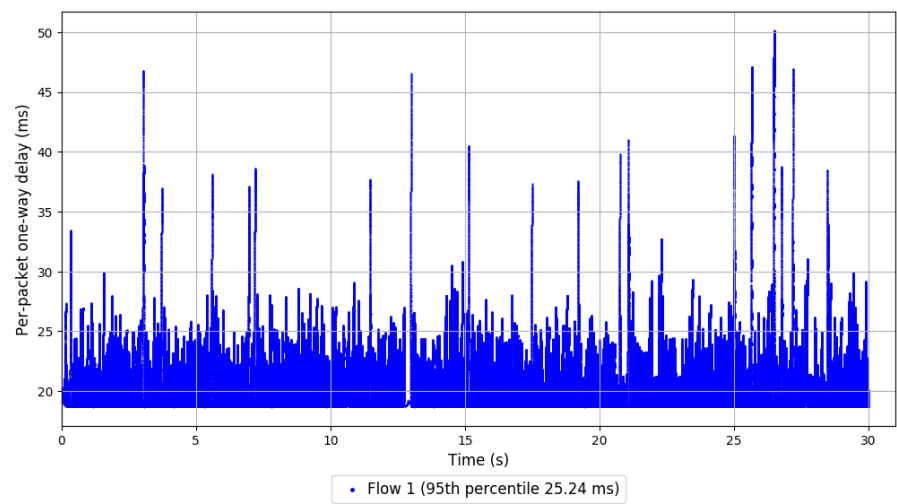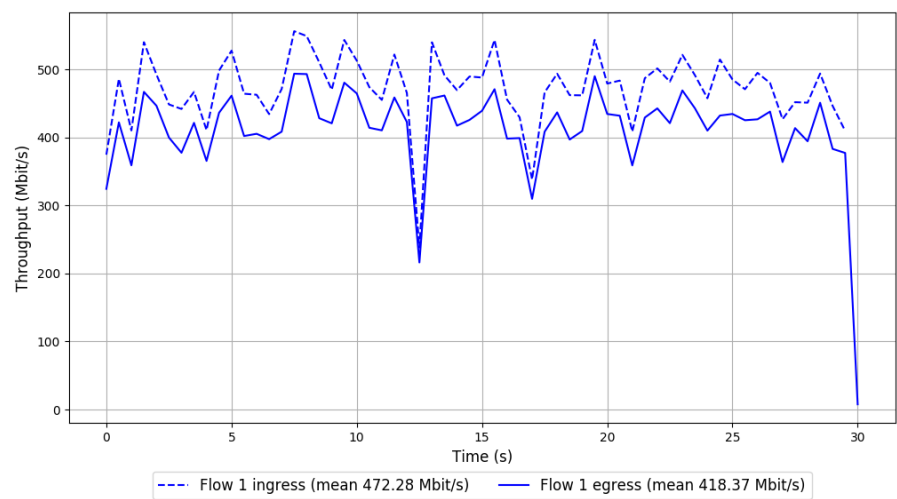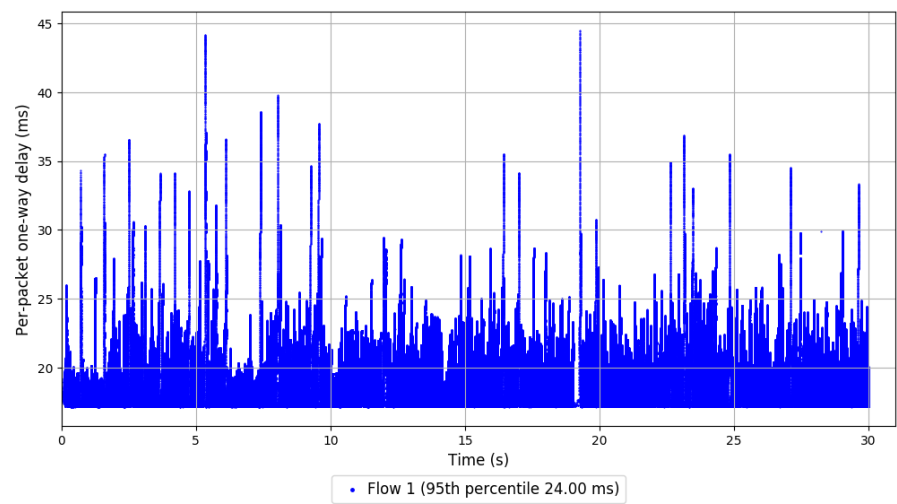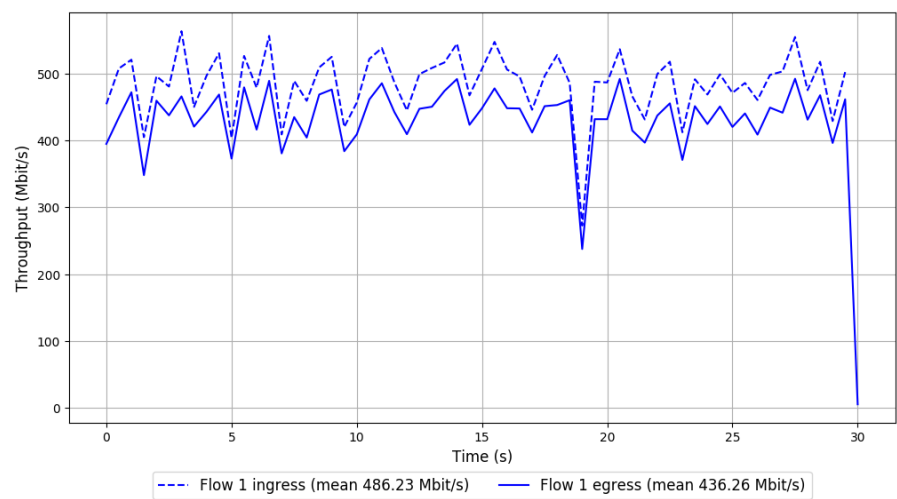
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 448.07 Mbit/s) --- Flow 1 egress (mean 408.50 Mbit/s)

Flow 1 (95th percentile 24.98 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-01-02 03:47:32
End at: 2018-01-02 03:48:02
Local clock offset: 0.973 ms
Remote clock offset: -1.972 ms


# Below is generated by plot.py at 2018-01-02 06:08:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 418.37 Mbit/s
95th percentile per-packet one-way delay: 25.241 ms
Loss rate: 11.41%
-- Flow 1:
Average throughput: 418.37 Mbit/s
95th percentile per-packet one-way delay: 25.241 ms
Loss rate: 11.41%
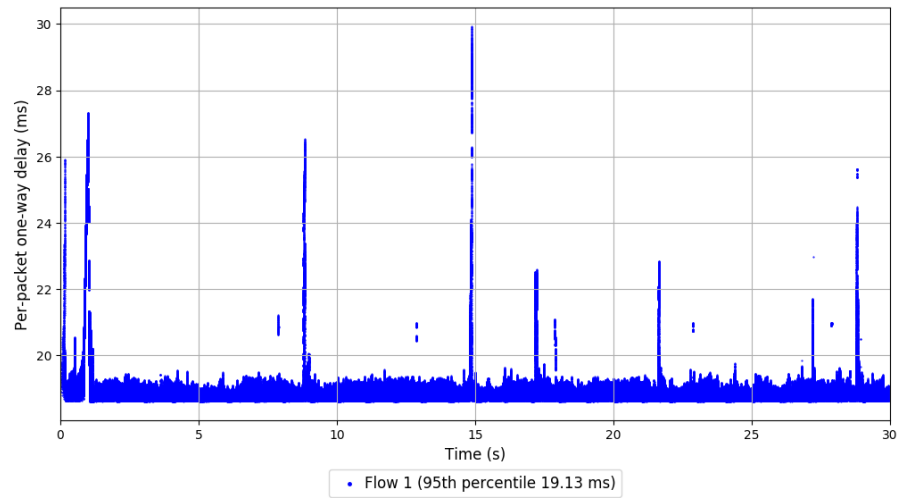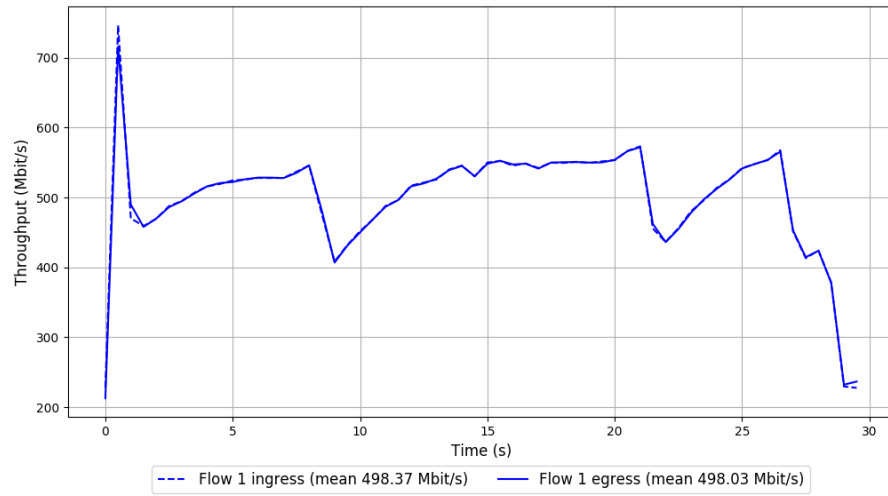```

Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2018-01-02 04:08:13
End at: 2018-01-02 04:08:43
Local clock offset: 1.157 ms
Remote clock offset: -2.304 ms

Below is generated by plot.py at 2018-01-02 06:08:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 436.26 Mbit/s
95th percentile per-packet one-way delay: 24.001 ms
Loss rate: 10.27%
-- Flow 1:
Average throughput: 436.26 Mbit/s
95th percentile per-packet one-way delay: 24.001 ms
Loss rate: 10.27%
```
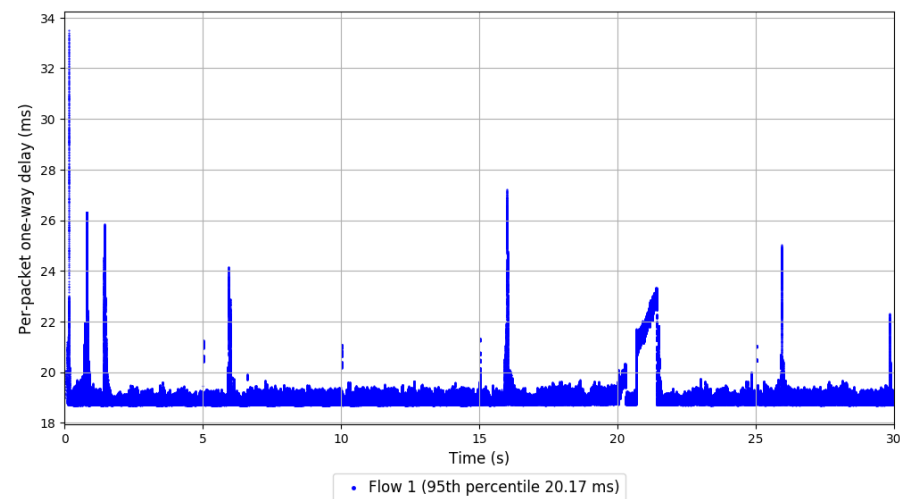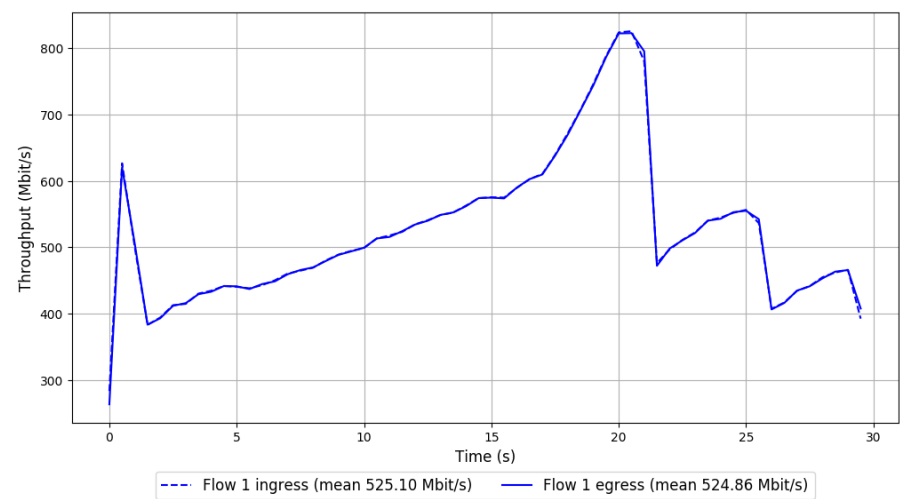
# Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-02 01:16:35
End at: 2018-01-02 01:17:05
Local clock offset: 0.045 ms
Remote clock offset: -0.785 ms

Below is generated by plot.py at 2018-01-02 06:09:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 498.03 Mbit/s
95th percentile per-packet one-way delay: 19.134 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 498.03 Mbit/s
95th percentile per-packet one-way delay: 19.134 ms
Loss rate: 0.07%
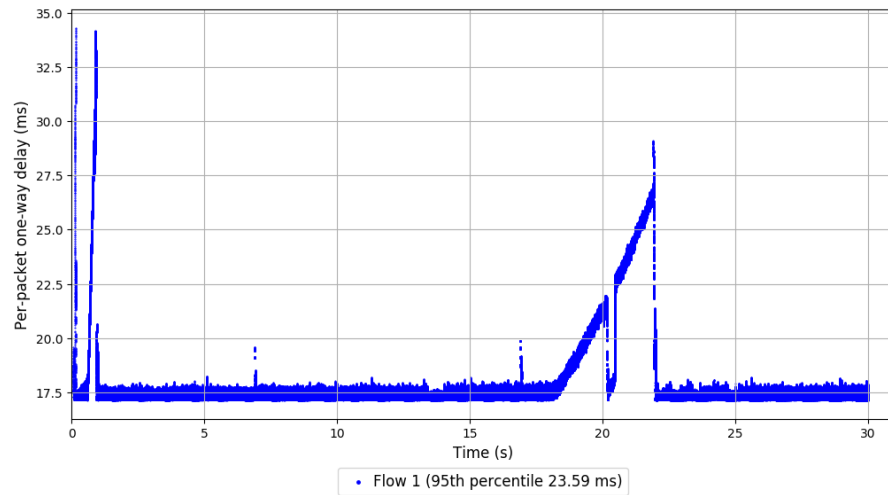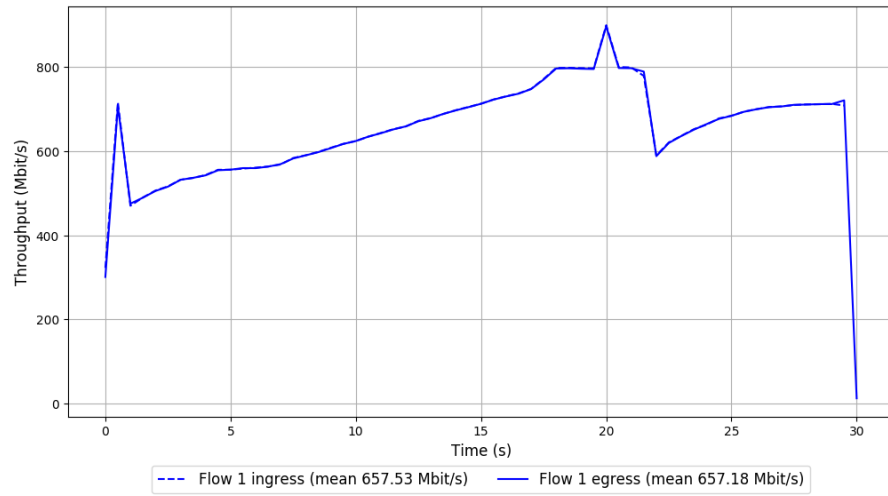```

Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2018-01-02 01:36:48
End at: 2018-01-02 01:37:18
Local clock offset: 0.216 ms
Remote clock offset: -0.836 ms


# Below is generated by plot.py at 2018-01-02 06:10:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 524.86 Mbit/s
95th percentile per-packet one-way delay: 20.172 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 524.86 Mbit/s
95th percentile per-packet one-way delay: 20.172 ms
Loss rate: 0.05%
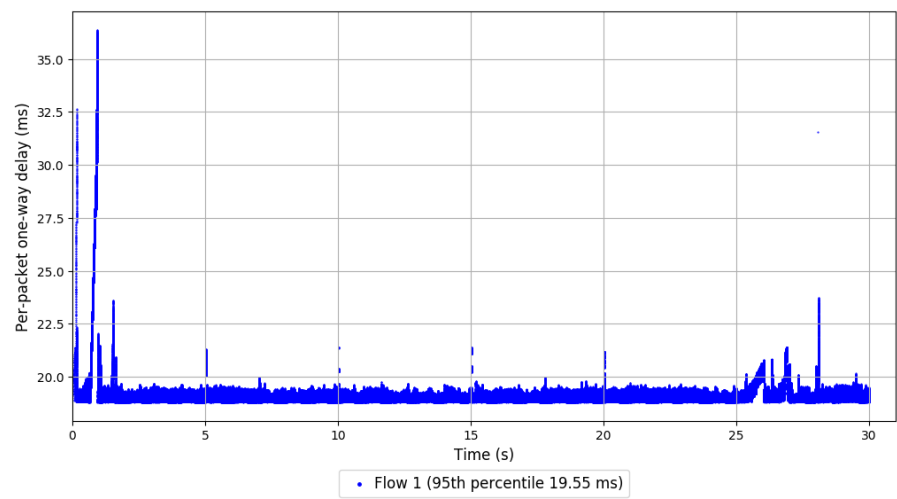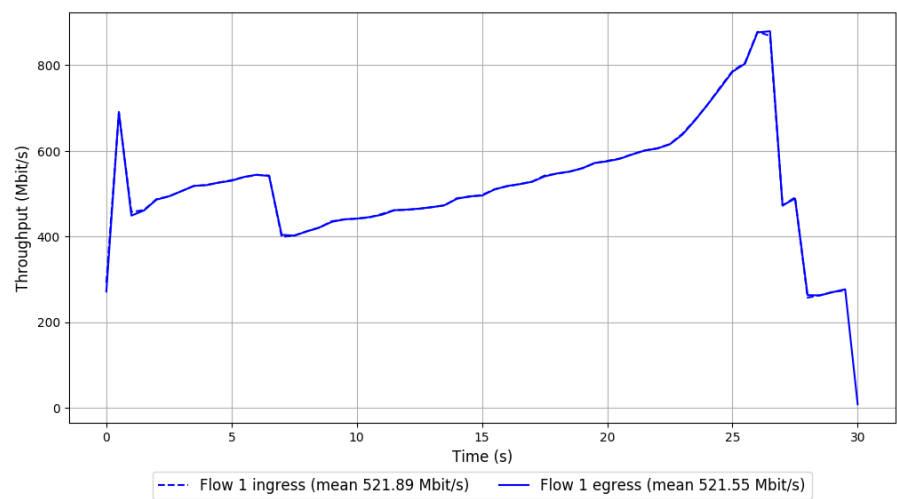```

Run 2: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 525.10 Mbit/s) ——— Flow 1 egress (mean 524.86 Mbit/s)



• Flow 1 (95th percentile 20.17 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2018-01-02 01:57:07
End at: 2018-01-02 01:57:37
Local clock offset: 0.05 ms
Remote clock offset: -1.212 ms


# Below is generated by plot.py at 2018-01-02 06:11:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 657.18 Mbit/s
95th percentile per-packet one-way delay: 23.588 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 657.18 Mbit/s
95th percentile per-packet one-way delay: 23.588 ms
Loss rate: 0.05%
```

Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 657.53 Mbit/s)   Flow 1 egress (mean 657.18 Mbit/s)

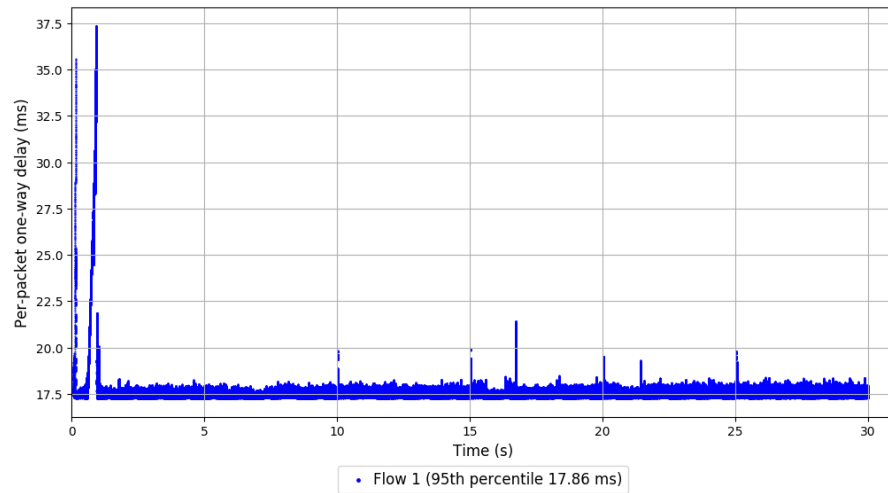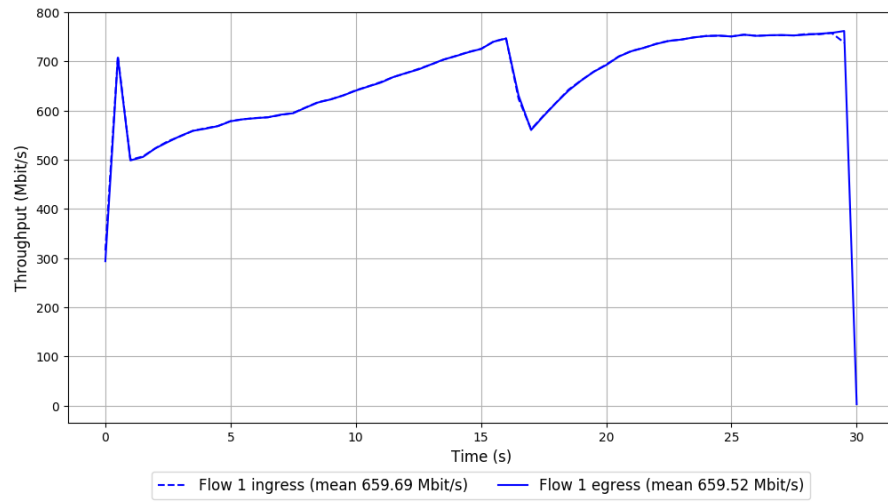

Flow 1 (95th percentile 23.59 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2018-01-02 02:17:48
End at: 2018-01-02 02:18:18
Local clock offset: 0.417 ms
Remote clock offset: -1.141 ms


# Below is generated by plot.py at 2018-01-02 06:11:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 521.55 Mbit/s
95th percentile per-packet one-way delay: 19.554 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 521.55 Mbit/s
95th percentile per-packet one-way delay: 19.554 ms
Loss rate: 0.07%
```

Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2018-01-02 02:38:09
End at: 2018-01-02 02:38:39
Local clock offset: 0.651 ms
Remote clock offset: -1.129 ms


# Below is generated by plot.py at 2018-01-02 06:11:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 659.52 Mbit/s
95th percentile per-packet one-way delay: 17.855 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 659.52 Mbit/s
95th percentile per-packet one-way delay: 17.855 ms
Loss rate: 0.03%
```
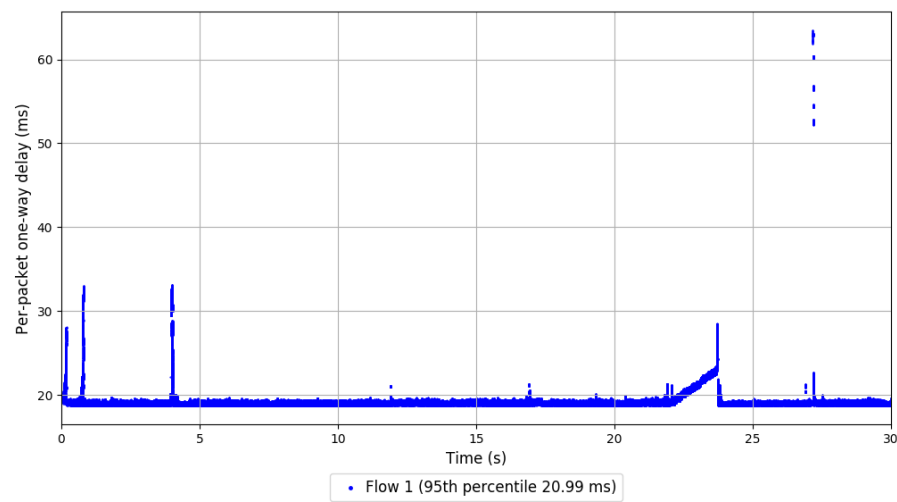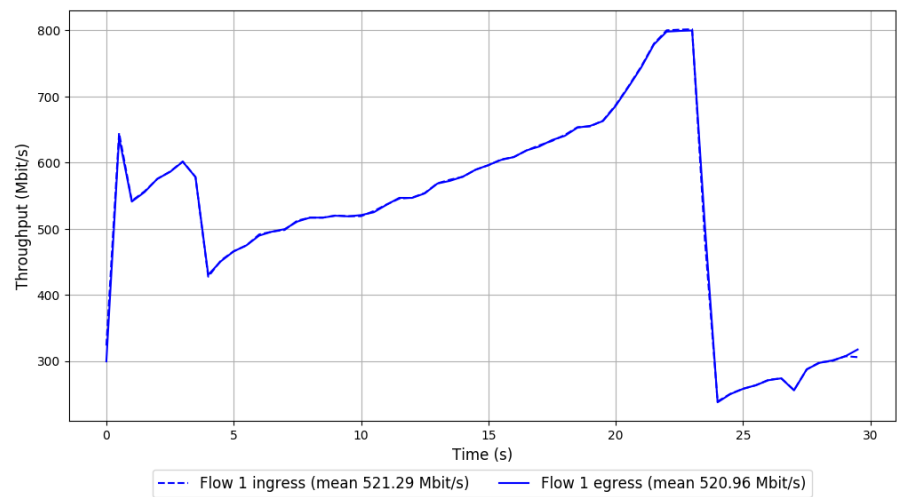
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 659.69 Mbit/s)   Flow 1 egress (mean 659.52 Mbit/s)
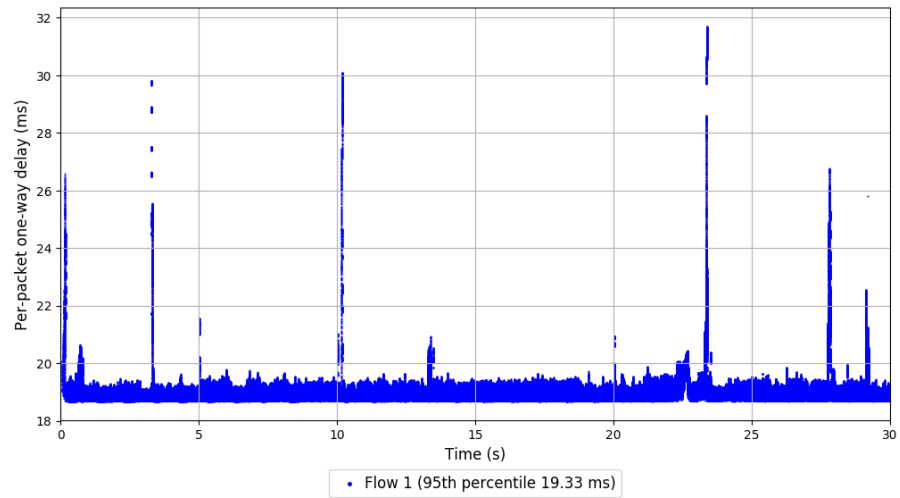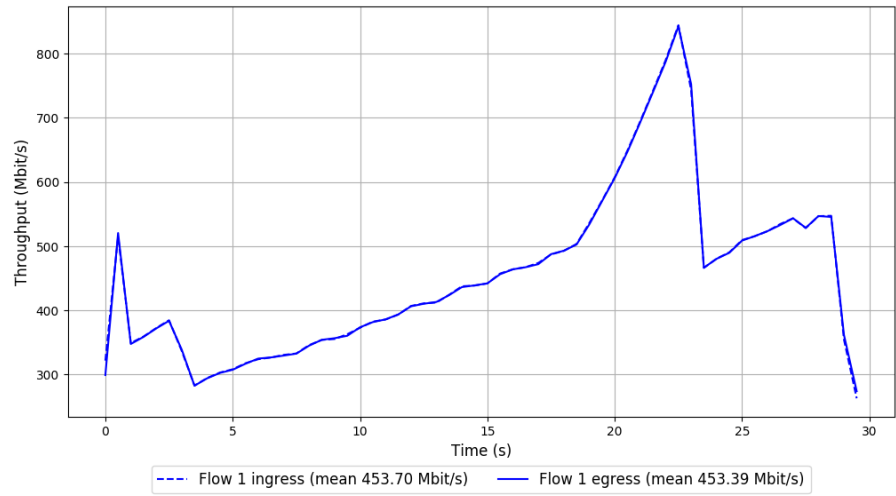

Flow 1 (95th percentile 17.86 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2018-01-02 02:58:42
End at: 2018-01-02 02:59:12
Local clock offset: 0.806 ms
Remote clock offset: -1.14 ms


# Below is generated by plot.py at 2018-01-02 06:11:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 520.96 Mbit/s
95th percentile per-packet one-way delay: 20.987 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 520.96 Mbit/s
95th percentile per-packet one-way delay: 20.987 ms
Loss rate: 0.06%
```
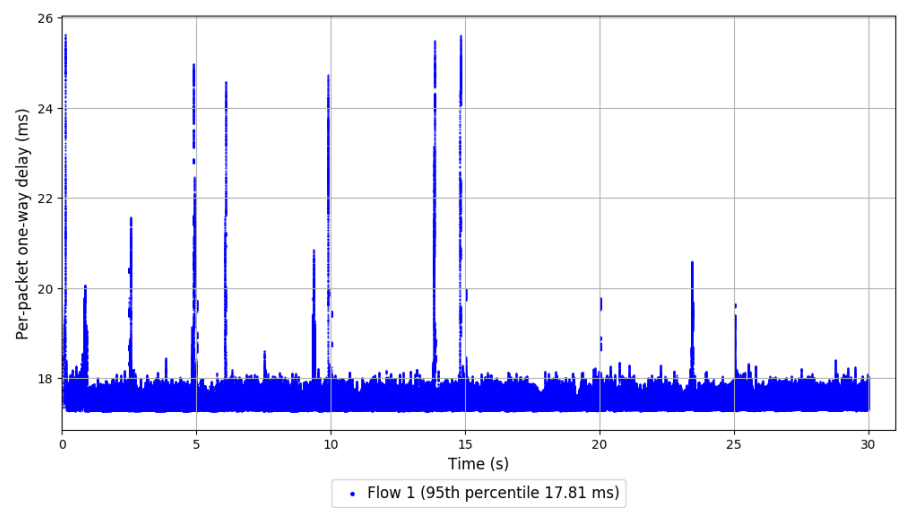
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 521.29 Mbit/s) --- Flow 1 egress (mean 520.96 Mbit/s)
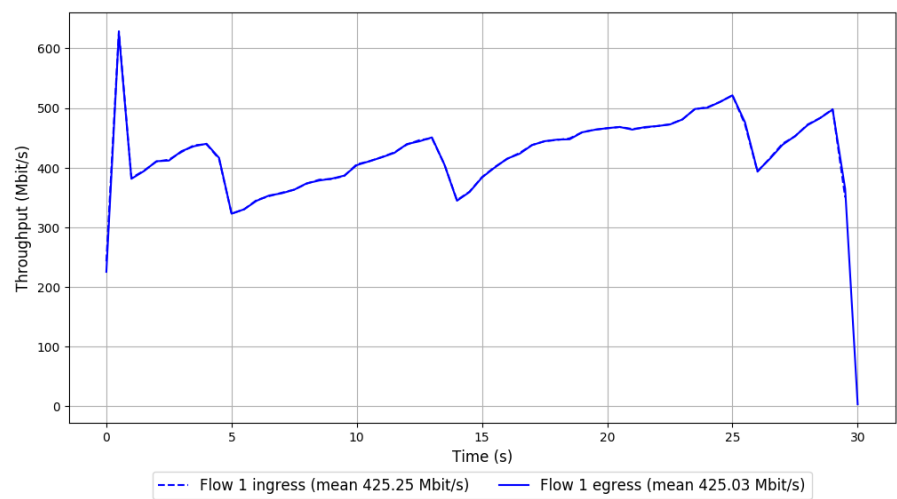

Flow 1 (95th percentile 20.99 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-01-02 03:19:18
End at: 2018-01-02 03:19:48
Local clock offset: 0.936 ms
Remote clock offset: -1.283 ms


# Below is generated by plot.py at 2018-01-02 06:14:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 453.39 Mbit/s
95th percentile per-packet one-way delay: 19.334 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 453.39 Mbit/s
95th percentile per-packet one-way delay: 19.334 ms
Loss rate: 0.07%
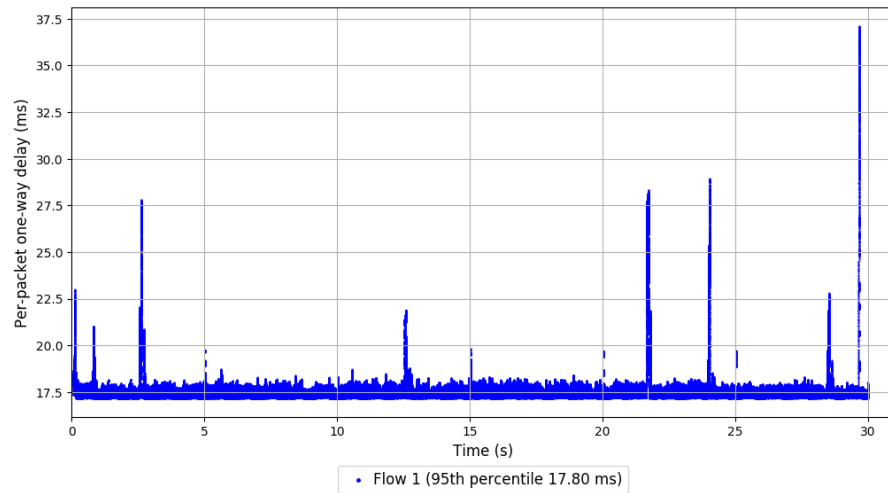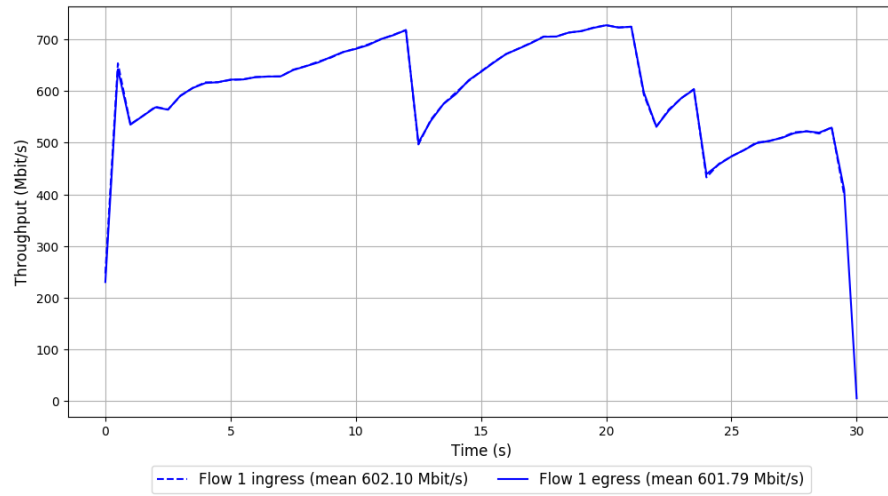```

## Run 7: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 453.70 Mbit/s) — Flow 1 egress (mean 453.39 Mbit/s)



Flow 1 (95th percentile 19.33 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2018-01-02 03:39:38
End at: 2018-01-02 03:40:08
Local clock offset: 1.028 ms
Remote clock offset: -1.732 ms

Below is generated by plot.py at 2018-01-02 06:14:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 425.03 Mbit/s
95th percentile per-packet one-way delay: 17.811 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 425.03 Mbit/s
95th percentile per-packet one-way delay: 17.811 ms
Loss rate: 0.05%
```
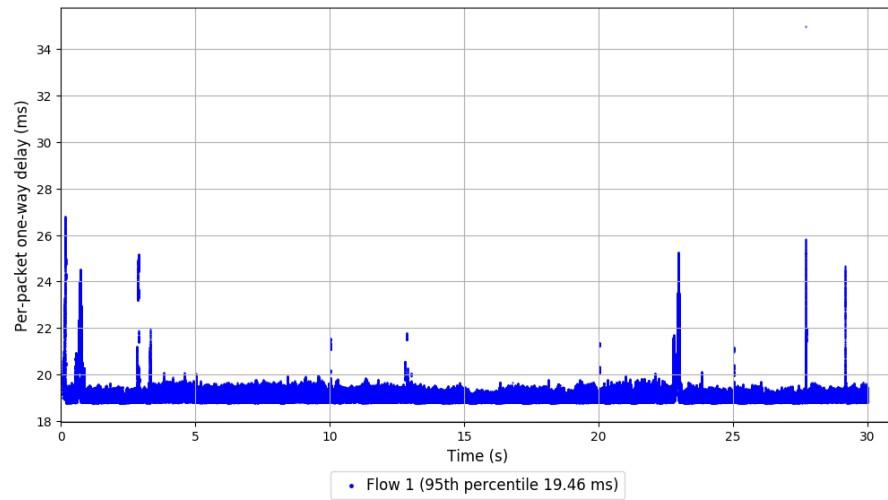
## Run 8: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 425.25 Mbit/s)  Flow 1 egress (mean 425.03 Mbit/s)



Flow 1 (95th percentile 17.81 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-01-02 04:00:19
End at: 2018-01-02 04:00:49
Local clock offset: 1.142 ms
Remote clock offset: -2.186 ms

Below is generated by plot.py at 2018-01-02 06:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 601.79 Mbit/s
95th percentile per-packet one-way delay: 17.800 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 601.79 Mbit/s
95th percentile per-packet one-way delay: 17.800 ms
Loss rate: 0.05%
```
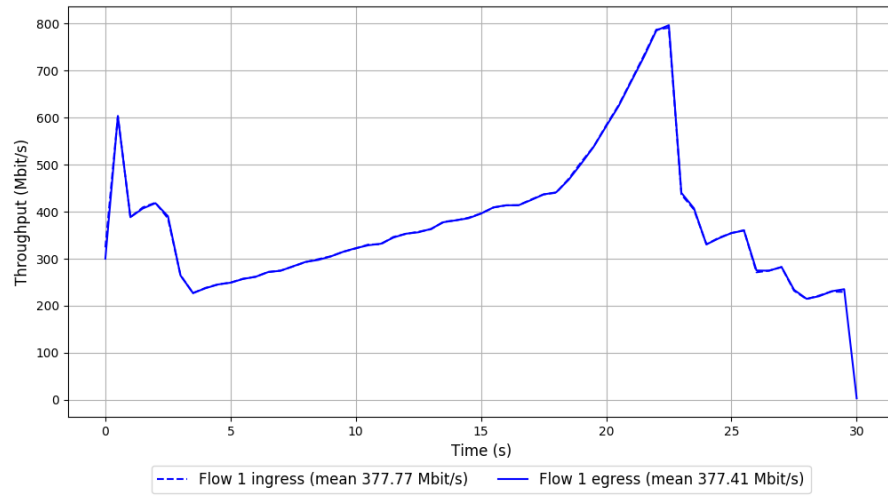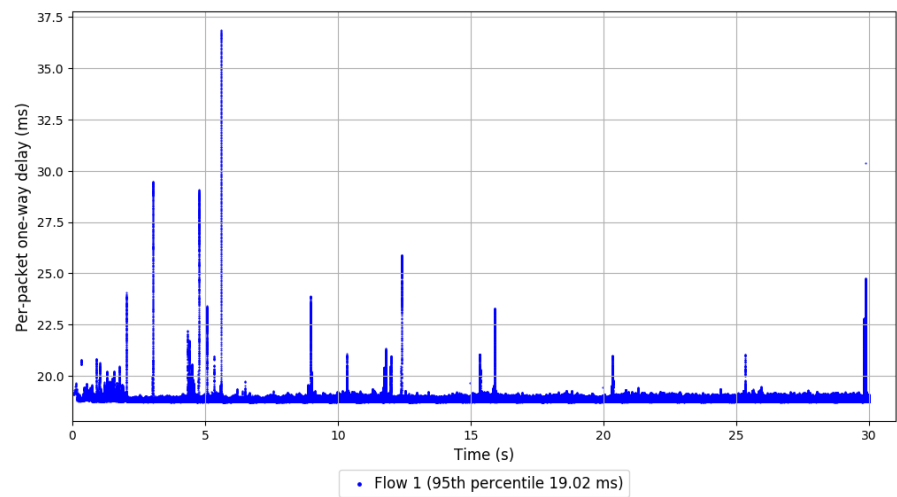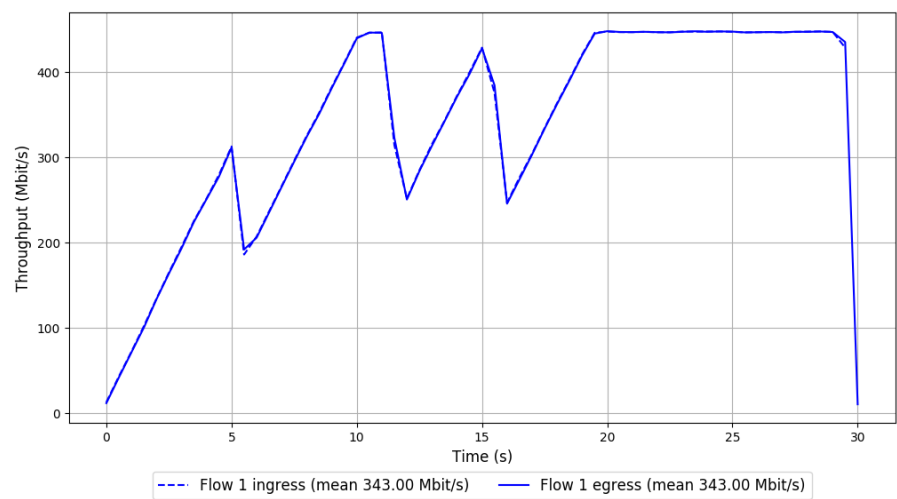
## Run 9: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 602.10 Mbit/s)　　Flow 1 egress (mean 601.79 Mbit/s)



Flow 1 (95th percentile 17.80 ms)

41

```
Run 10: Statistics of TCP Cubic

Start at: 2018-01-02 04:20:59
End at: 2018-01-02 04:21:29
Local clock offset: 1.07 ms
Remote clock offset: -2.103 ms

Below is generated by plot.py at 2018-01-02 06:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.41 Mbit/s
95th percentile per-packet one-way delay: 19.463 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 377.41 Mbit/s
95th percentile per-packet one-way delay: 19.463 ms
Loss rate: 0.10%
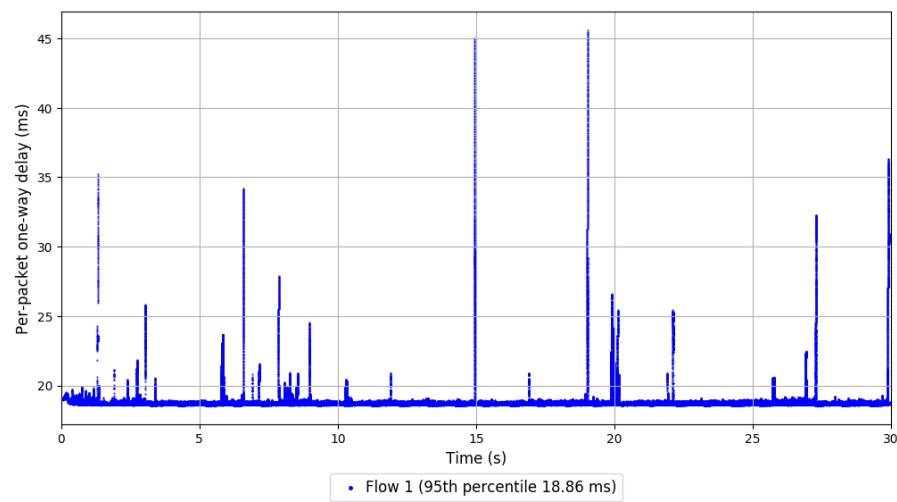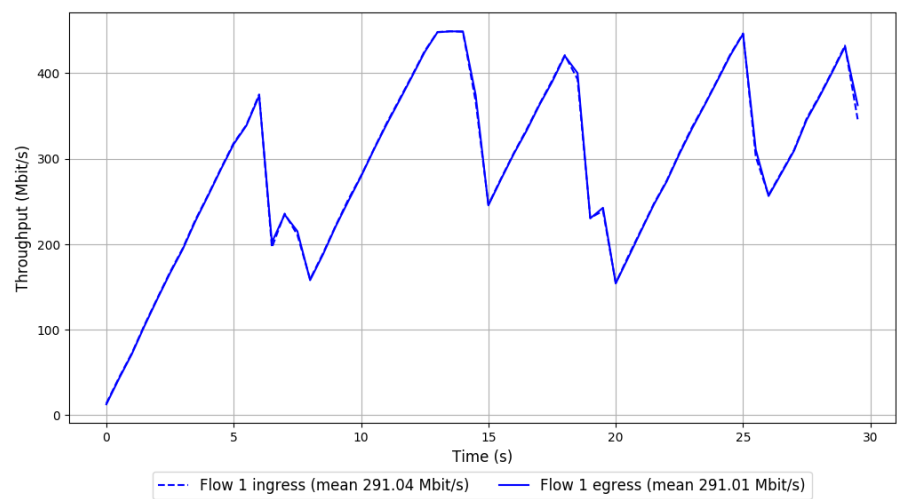```

Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2018-01-02 01:08:19
End at: 2018-01-02 01:08:49
Local clock offset: -0.183 ms
Remote clock offset: -0.871 ms


# Below is generated by plot.py at 2018-01-02 06:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.00 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 343.00 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.00%
```
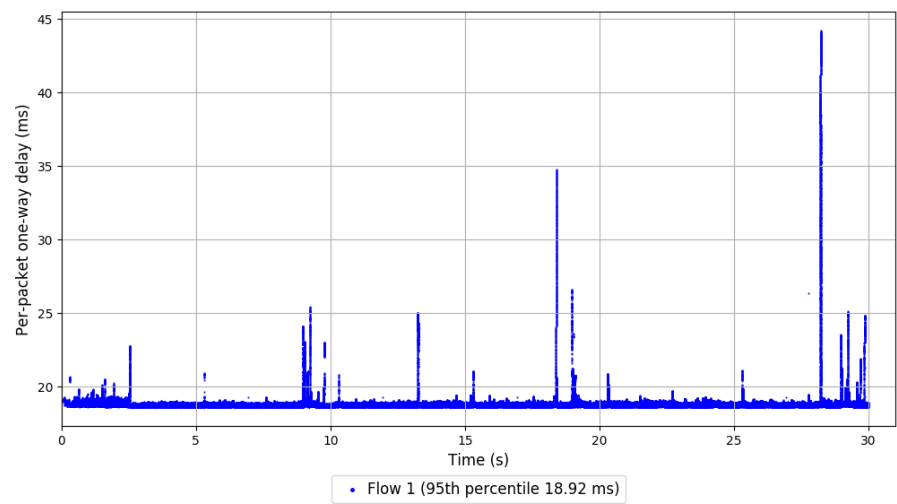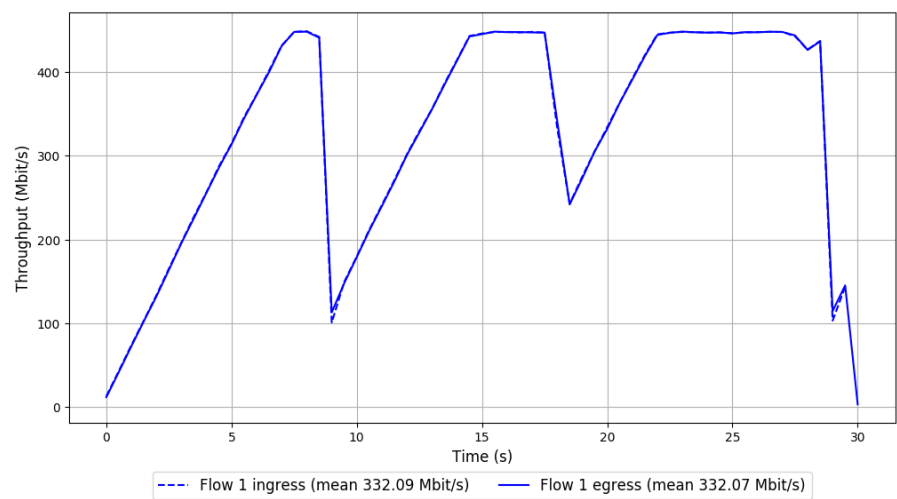
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 343.00 Mbit/s)   Flow 1 egress (mean 343.00 Mbit/s)

Flow 1 (95th percentile 19.02 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2018-01-02 01:28:24
End at: 2018-01-02 01:28:54
Local clock offset: 0.186 ms
Remote clock offset: -0.734 ms


# Below is generated by plot.py at 2018-01-02 06:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 291.01 Mbit/s
95th percentile per-packet one-way delay: 18.865 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 291.01 Mbit/s
95th percentile per-packet one-way delay: 18.865 ms
Loss rate: 0.01%
```
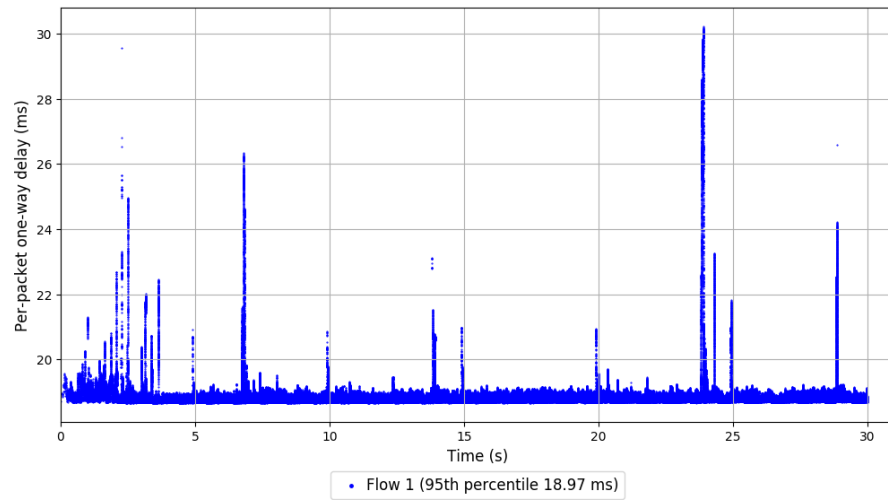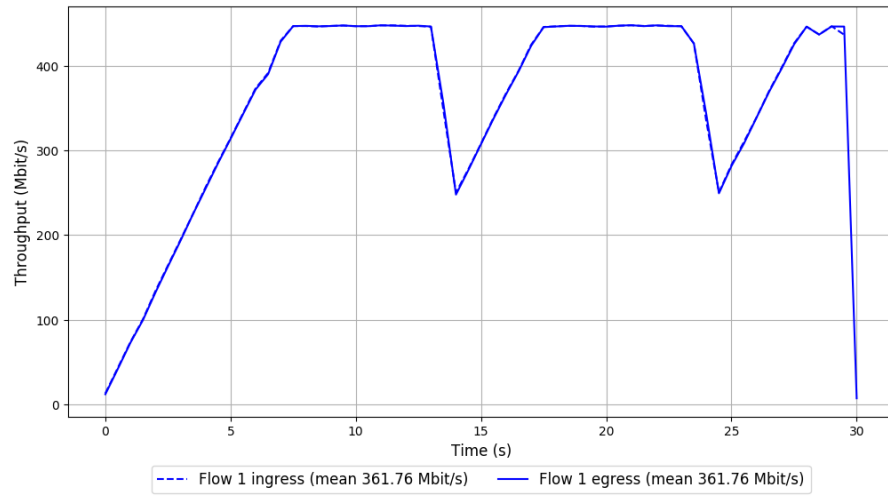
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2018-01-02 01:48:48
End at: 2018-01-02 01:49:18
Local clock offset: 0.11 ms
Remote clock offset: -1.132 ms


# Below is generated by plot.py at 2018-01-02 06:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 332.07 Mbit/s
95th percentile per-packet one-way delay: 18.920 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 332.07 Mbit/s
95th percentile per-packet one-way delay: 18.920 ms
Loss rate: 0.01%
```

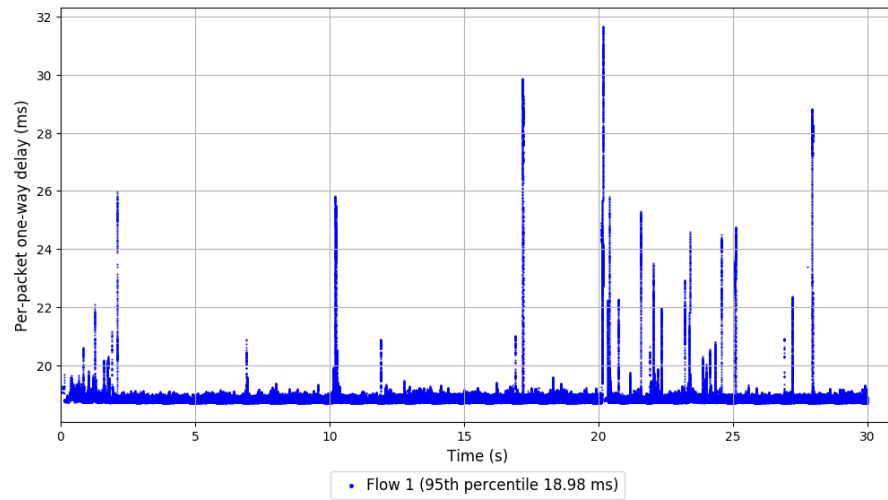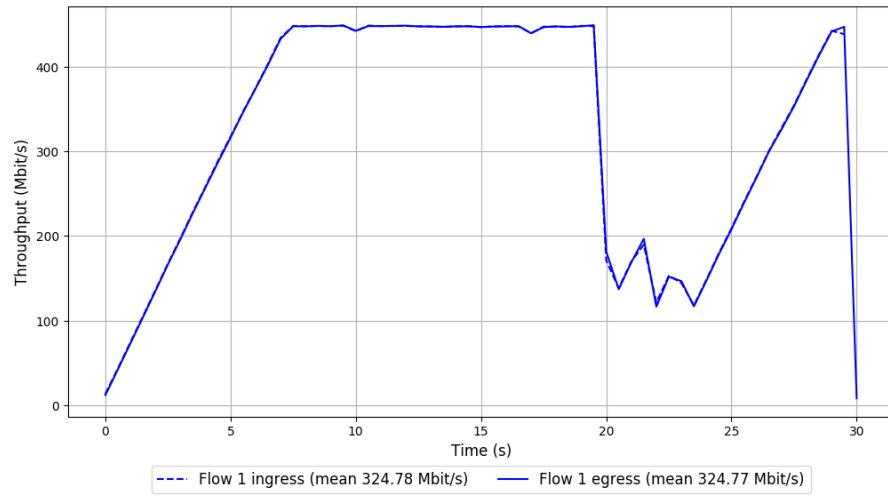# Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 332.09 Mbit/s) --- Flow 1 egress (mean 332.07 Mbit/s)

Flow 1 (95th percentile 18.92 ms)

49

```
Run 4: Statistics of LEDBAT

Start at: 2018-01-02 02:09:23
End at: 2018-01-02 02:09:53
Local clock offset: 0.238 ms
Remote clock offset: -1.259 ms


# Below is generated by plot.py at 2018-01-02 06:17:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 361.76 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 361.76 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.00%
```
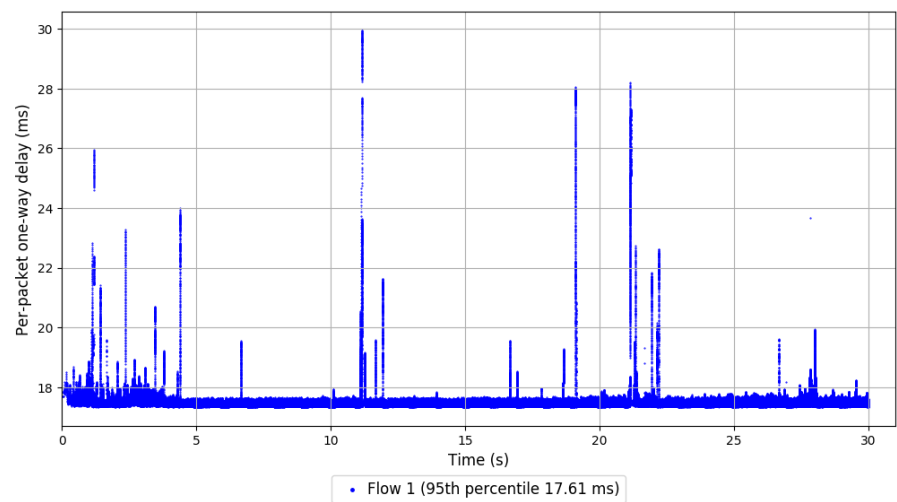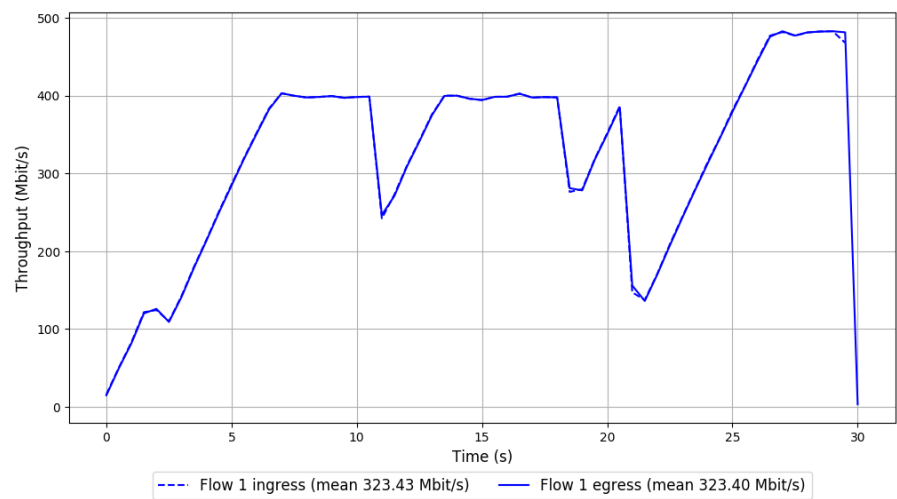
Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2018-01-02 02:29:47
End at: 2018-01-02 02:30:17
Local clock offset: 0.656 ms
Remote clock offset: -0.998 ms


# Below is generated by plot.py at 2018-01-02 06:19:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 324.77 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 324.77 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 0.01%
```
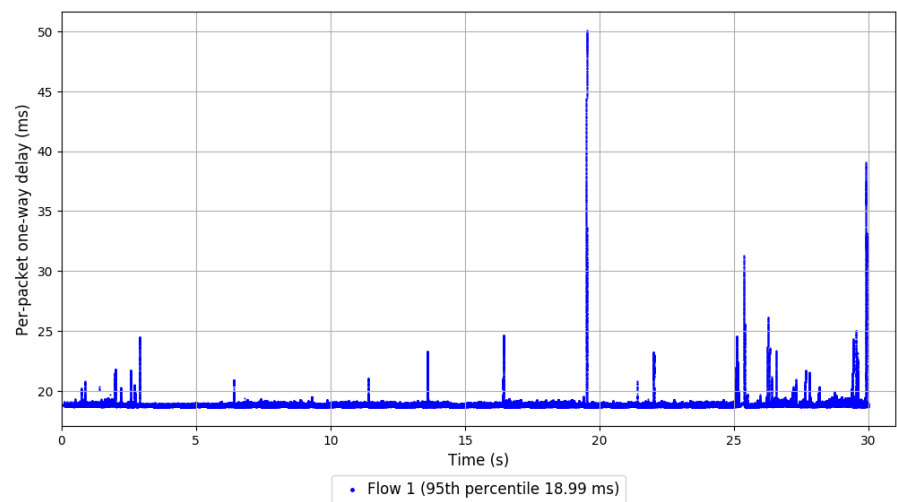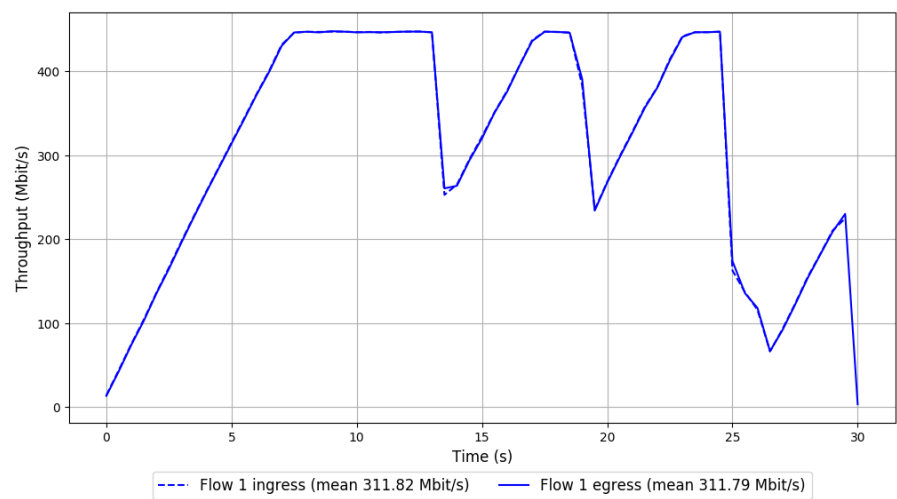
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2018-01-02 02:50:26
End at: 2018-01-02 02:50:56
Local clock offset: 0.731 ms
Remote clock offset: -1.137 ms


# Below is generated by plot.py at 2018-01-02 06:19:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.40 Mbit/s
95th percentile per-packet one-way delay: 17.612 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 323.40 Mbit/s
95th percentile per-packet one-way delay: 17.612 ms
Loss rate: 0.01%
```
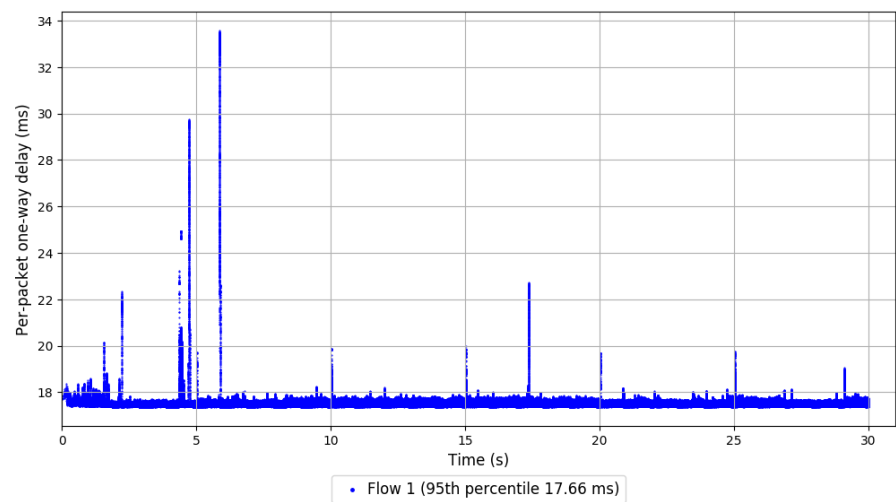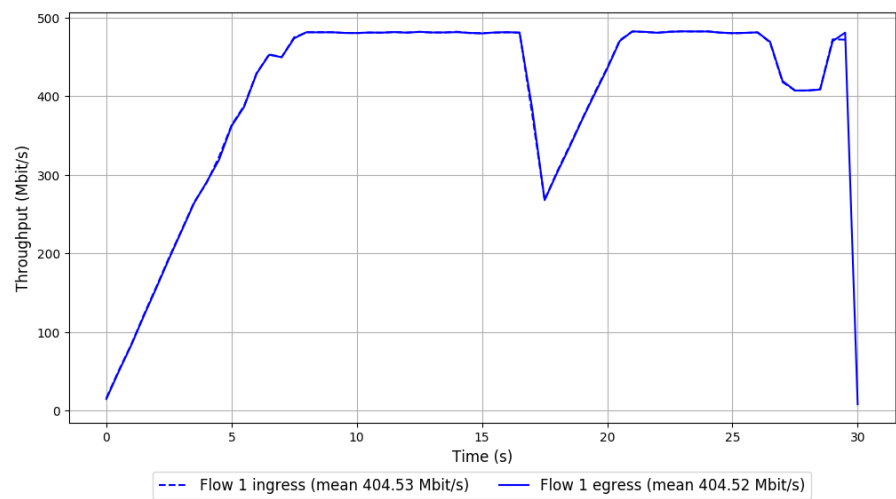
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2018-01-02 03:10:57
End at: 2018-01-02 03:11:27
Local clock offset: 0.915 ms
Remote clock offset: -1.131 ms


# Below is generated by plot.py at 2018-01-02 06:19:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 311.79 Mbit/s
95th percentile per-packet one-way delay: 18.991 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 311.79 Mbit/s
95th percentile per-packet one-way delay: 18.991 ms
Loss rate: 0.01%
```
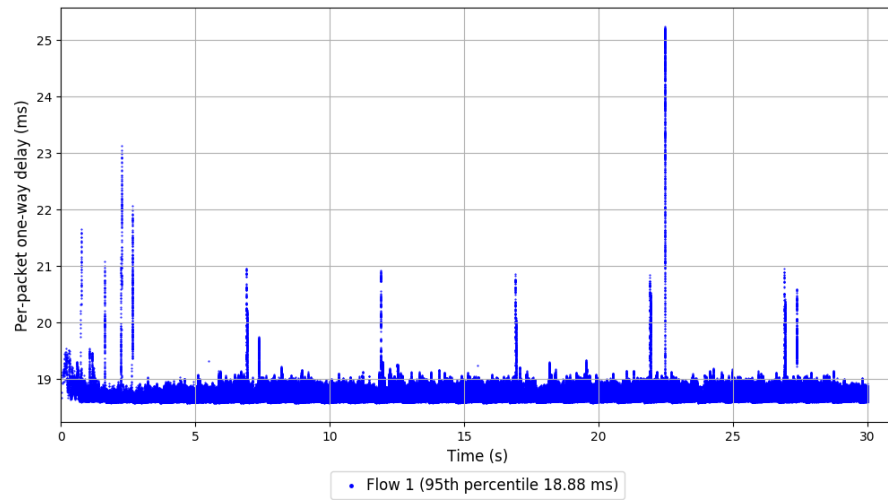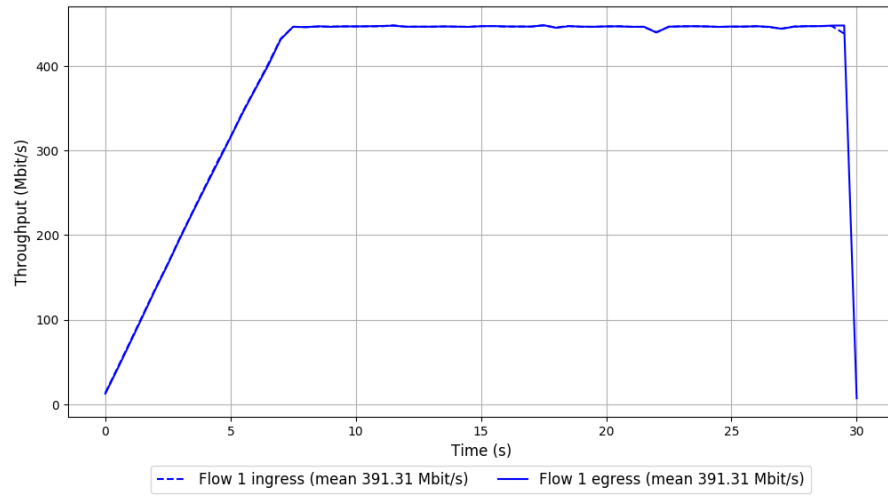
Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2018-01-02 03:31:15
End at: 2018-01-02 03:31:45
Local clock offset: 0.892 ms
Remote clock offset: -1.54 ms


# Below is generated by plot.py at 2018-01-02 06:20:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 404.52 Mbit/s
95th percentile per-packet one-way delay: 17.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 404.52 Mbit/s
95th percentile per-packet one-way delay: 17.662 ms
Loss rate: 0.00%
```

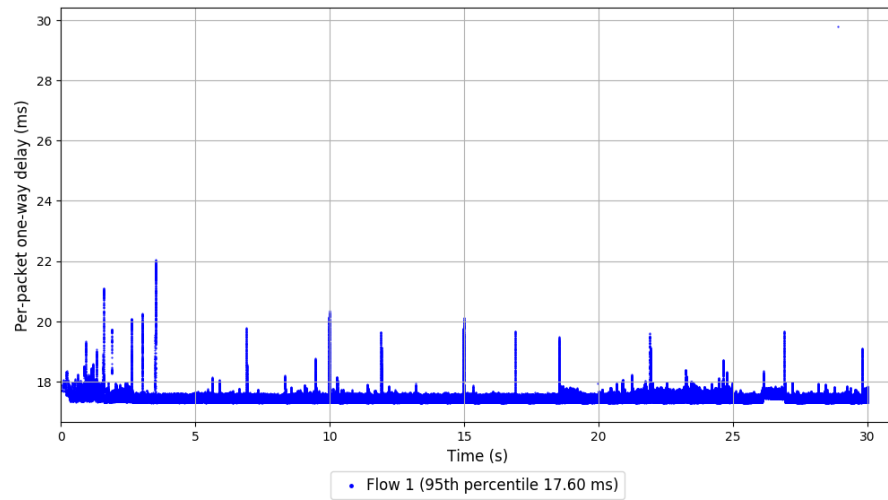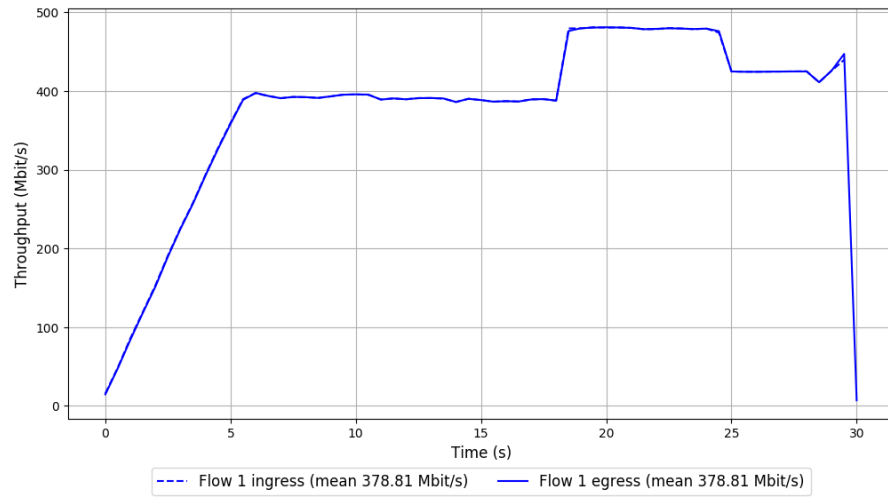Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 404.53 Mbit/s) ———— Flow 1 egress (mean 404.52 Mbit/s)

• Flow 1 (95th percentile 17.66 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2018-01-02 03:51:48
End at: 2018-01-02 03:52:18
Local clock offset: 1.101 ms
Remote clock offset: -2.064 ms


# Below is generated by plot.py at 2018-01-02 06:20:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.31 Mbit/s
95th percentile per-packet one-way delay: 18.877 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 391.31 Mbit/s
95th percentile per-packet one-way delay: 18.877 ms
Loss rate: 0.00%
```
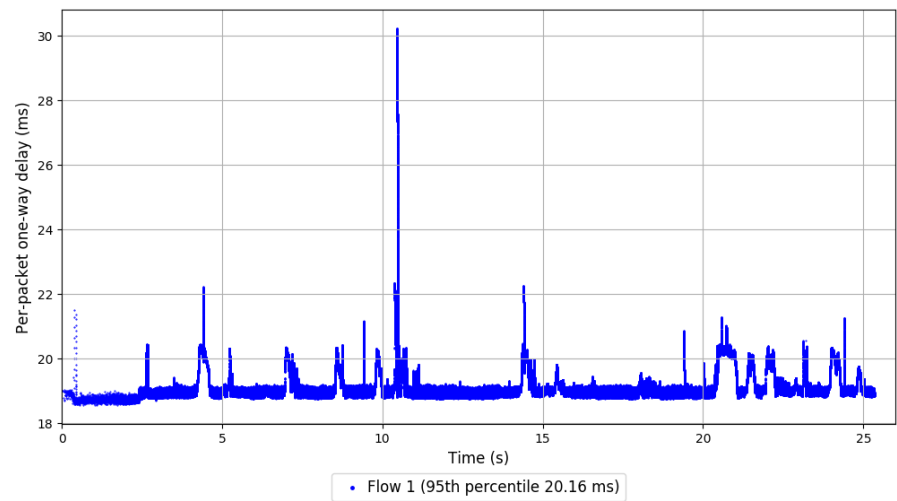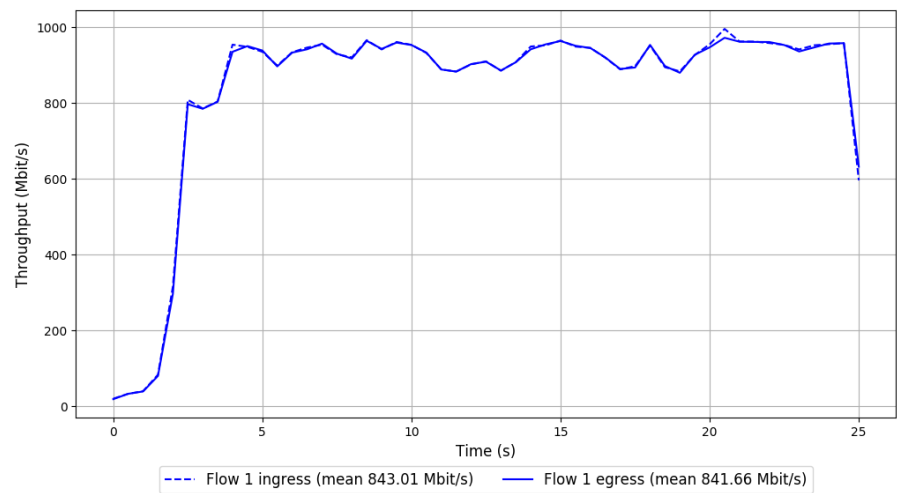
Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2018-01-02 04:12:35
End at: 2018-01-02 04:13:05
Local clock offset: 1.129 ms
Remote clock offset: -2.207 ms


# Below is generated by plot.py at 2018-01-02 06:21:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 378.81 Mbit/s
95th percentile per-packet one-way delay: 17.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 378.81 Mbit/s
95th percentile per-packet one-way delay: 17.602 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 378.81 Mbit/s) --- Flow 1 egress (mean 378.81 Mbit/s)

Flow 1 (95th percentile 17.60 ms)

```
Run 1: Statistics of PCC

Start at: 2018-01-02 01:06:49
End at: 2018-01-02 01:07:19
Local clock offset: -0.121 ms
Remote clock offset: -0.888 ms


# Below is generated by plot.py at 2018-01-02 06:26:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 841.66 Mbit/s
95th percentile per-packet one-way delay: 20.159 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 841.66 Mbit/s
95th percentile per-packet one-way delay: 20.159 ms
Loss rate: 0.16%
```

Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 843.01 Mbit/s)   Flow 1 egress (mean 841.66 Mbit/s)

Flow 1 (95th percentile 20.16 ms)

```
Run 2: Statistics of PCC

Start at: 2018-01-02 01:26:53
End at: 2018-01-02 01:27:23
Local clock offset: 0.168 ms
Remote clock offset: -0.733 ms
```

Run 2: Report of PCC — Data Link

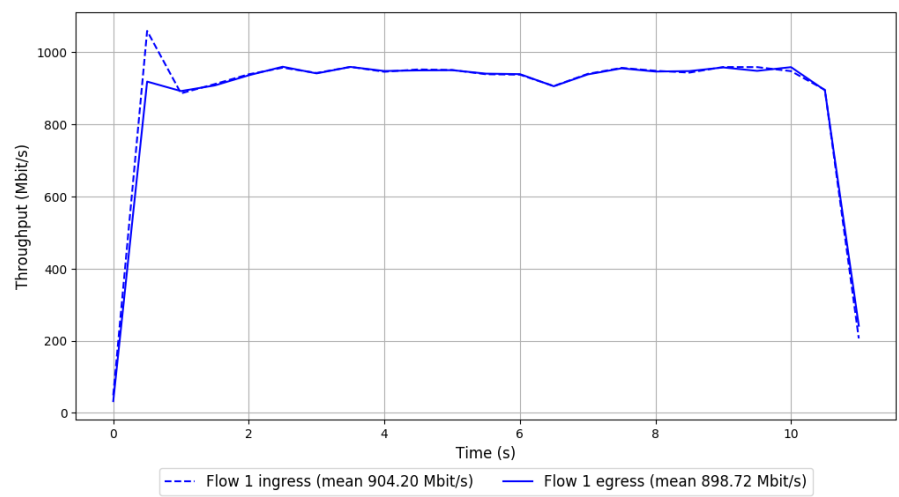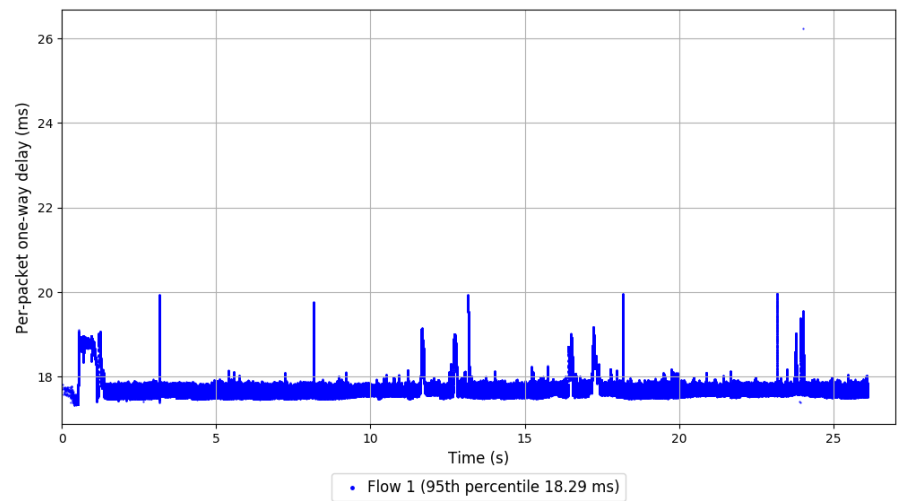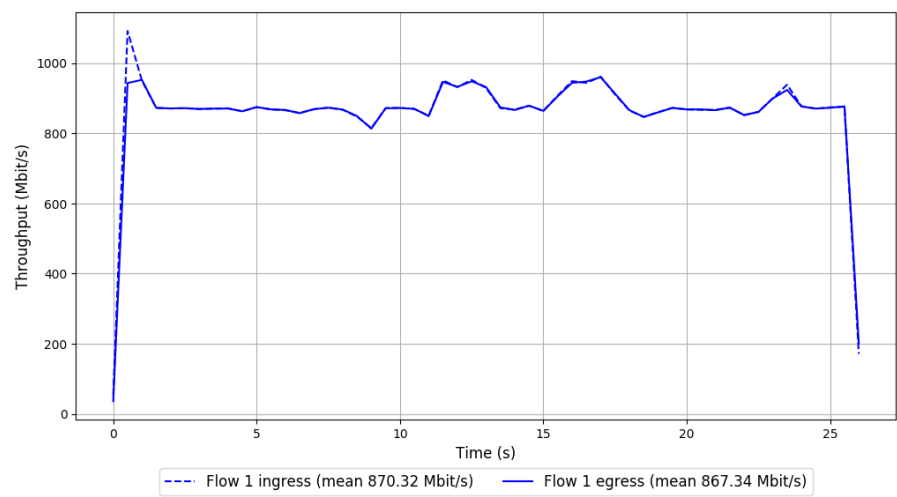Flow 1 ingress (mean 916.63 Mbit/s) —— Flow 1 egress (mean 913.64 Mbit/s)

• Flow 1 (95th percentile 20.05 ms)
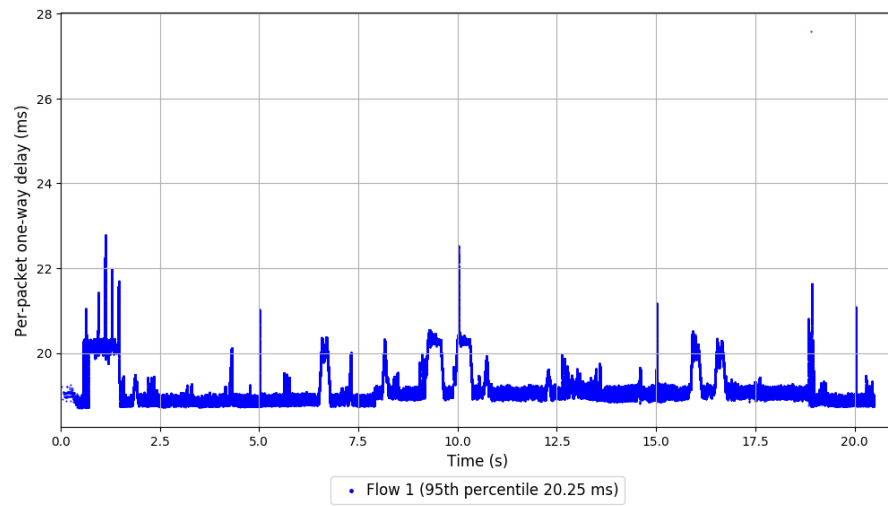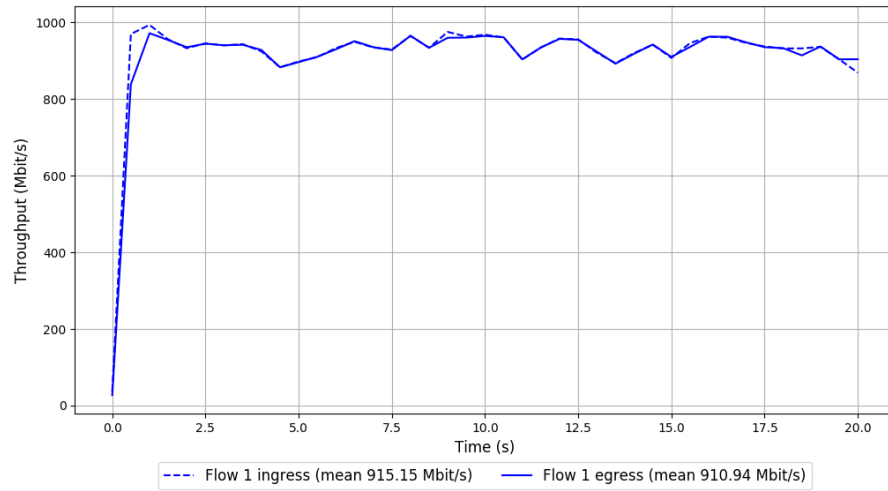
```
Run 3: Statistics of PCC

Start at: 2018-01-02 01:47:28
End at: 2018-01-02 01:47:58
Local clock offset: 0.122 ms
Remote clock offset: -1.128 ms
```

Run 3: Report of PCC — Data Link

```
Run 4: Statistics of PCC

Start at: 2018-01-02 02:07:51
End at: 2018-01-02 02:08:21
Local clock offset: 0.184 ms
Remote clock offset: -1.151 ms


# Below is generated by plot.py at 2018-01-02 06:30:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 867.34 Mbit/s
95th percentile per-packet one-way delay: 18.289 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 867.34 Mbit/s
95th percentile per-packet one-way delay: 18.289 ms
Loss rate: 0.34%
```

Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 870.32 Mbit/s)   Flow 1 egress (mean 867.34 Mbit/s)

Flow 1 (95th percentile 18.29 ms)

Run 5: Statistics of PCC

Start at: 2018-01-02 02:28:19
End at: 2018-01-02 02:28:49
Local clock offset: 0.544 ms
Remote clock offset: -1.105 ms

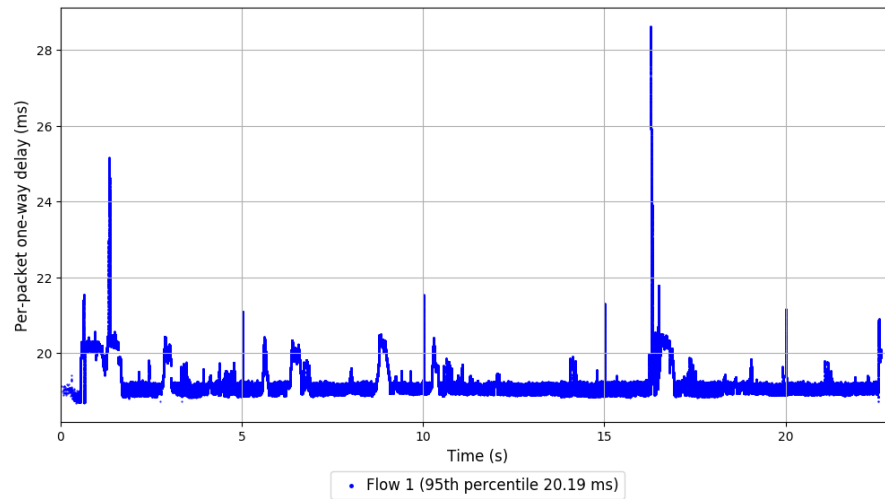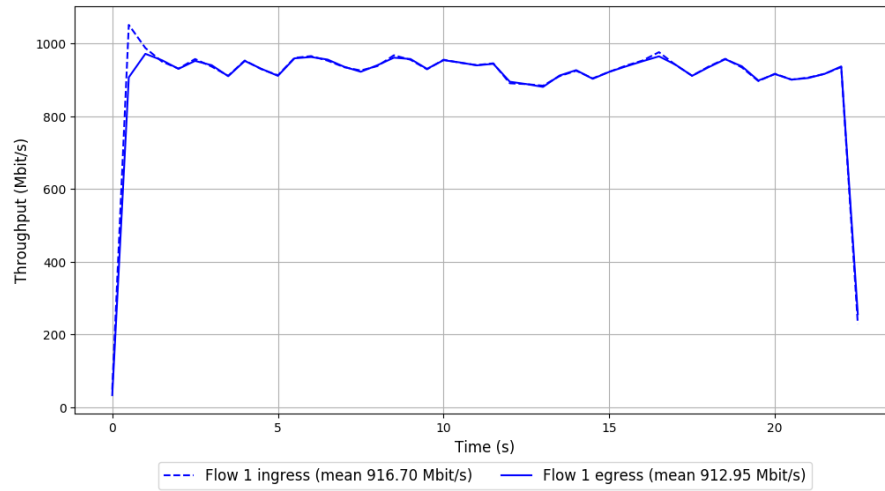## Run 5: Report of PCC — Data Link

```
Run 6: Statistics of PCC

Start at: 2018-01-02 02:48:56
End at: 2018-01-02 02:49:26
Local clock offset: 0.725 ms
Remote clock offset: -1.183 ms
```
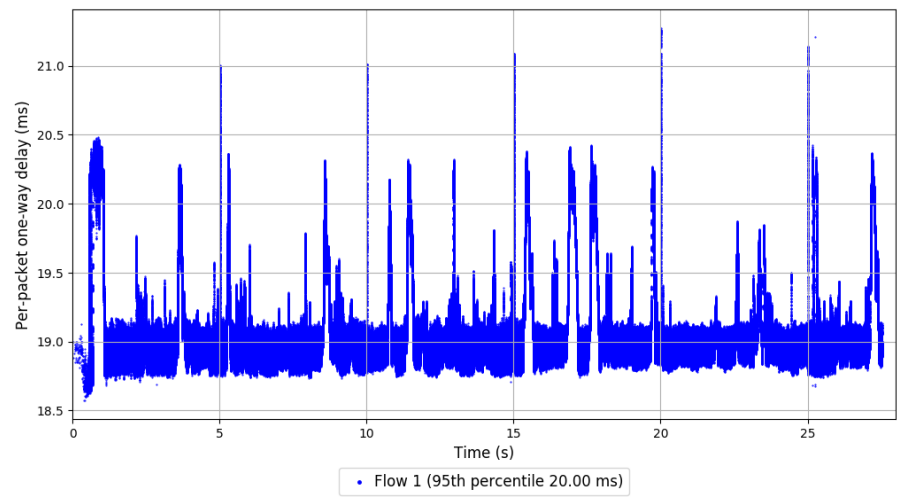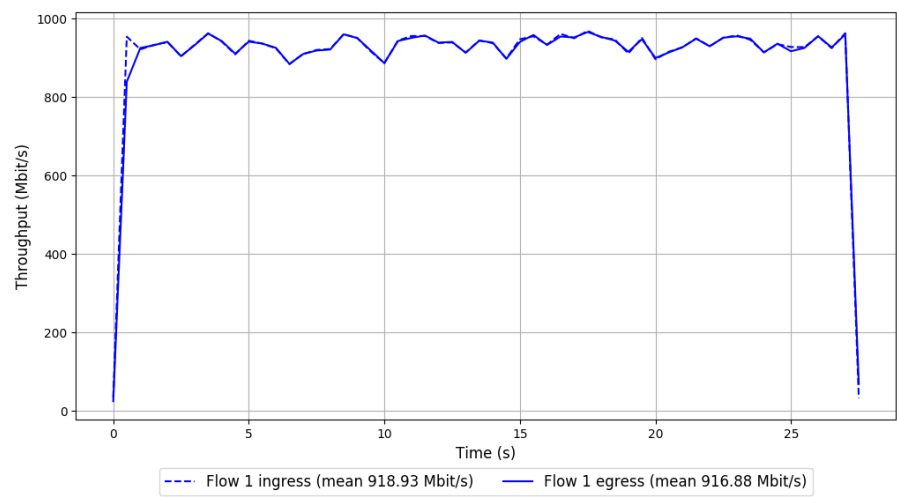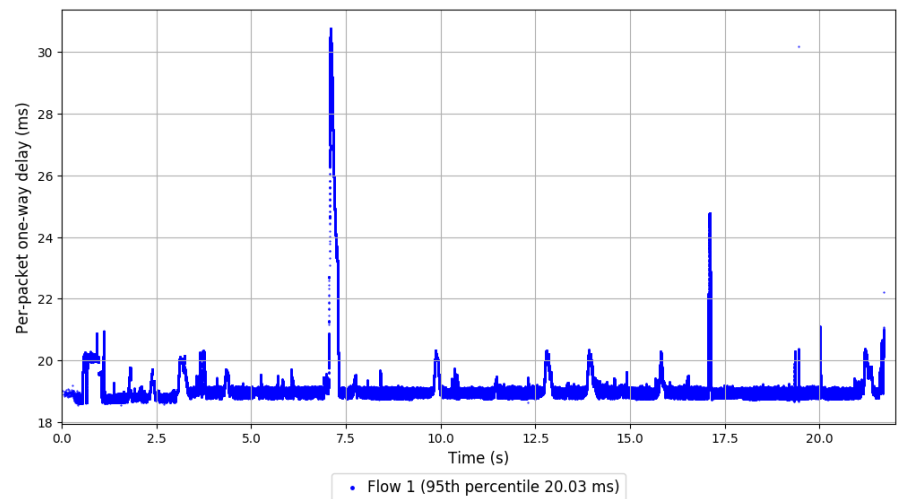
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 916.70 Mbit/s)   Flow 1 egress (mean 912.95 Mbit/s)

Flow 1 (95th percentile 20.19 ms)

```
Run 7: Statistics of PCC

Start at: 2018-01-02 03:09:23
End at: 2018-01-02 03:09:53
Local clock offset: 0.901 ms
Remote clock offset: -1.211 ms


# Below is generated by plot.py at 2018-01-02 06:33:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 916.88 Mbit/s
95th percentile per-packet one-way delay: 20.002 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 916.88 Mbit/s
95th percentile per-packet one-way delay: 20.002 ms
Loss rate: 0.22%
```

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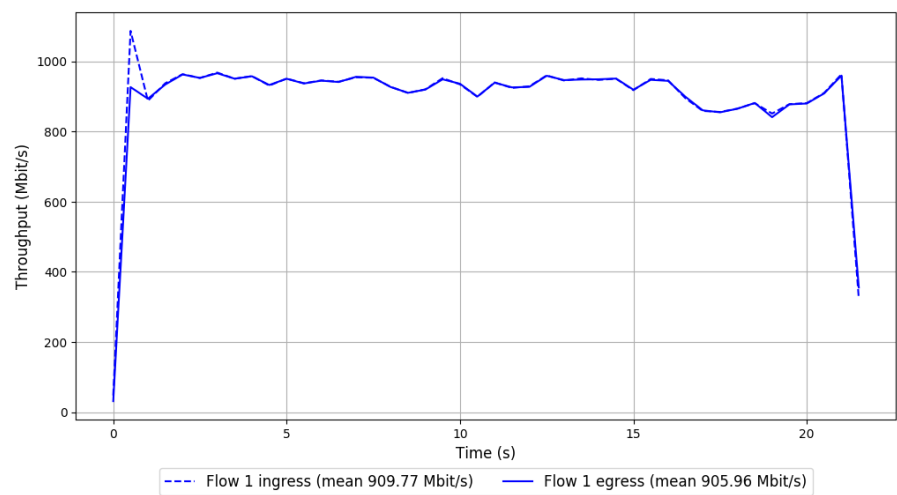
```
Run 8: Statistics of PCC

Start at: 2018-01-02 03:29:46
End at: 2018-01-02 03:30:16
Local clock offset: 0.974 ms
Remote clock offset: -1.594 ms
```
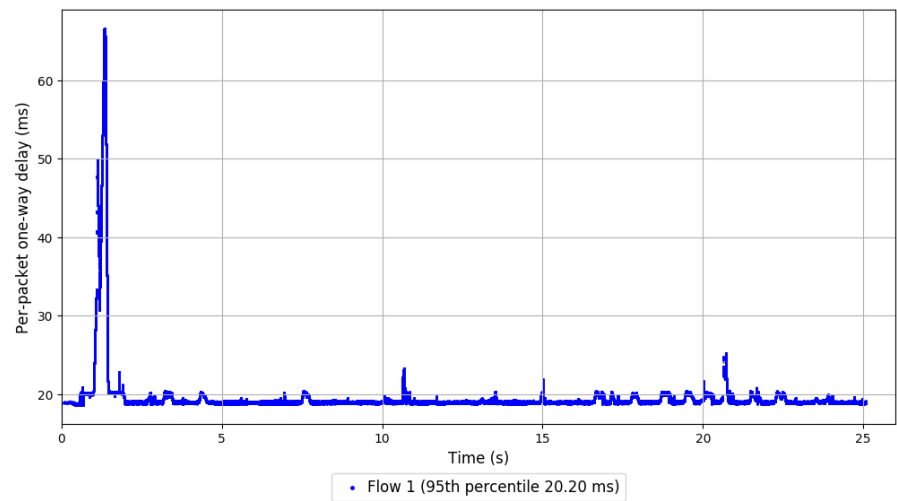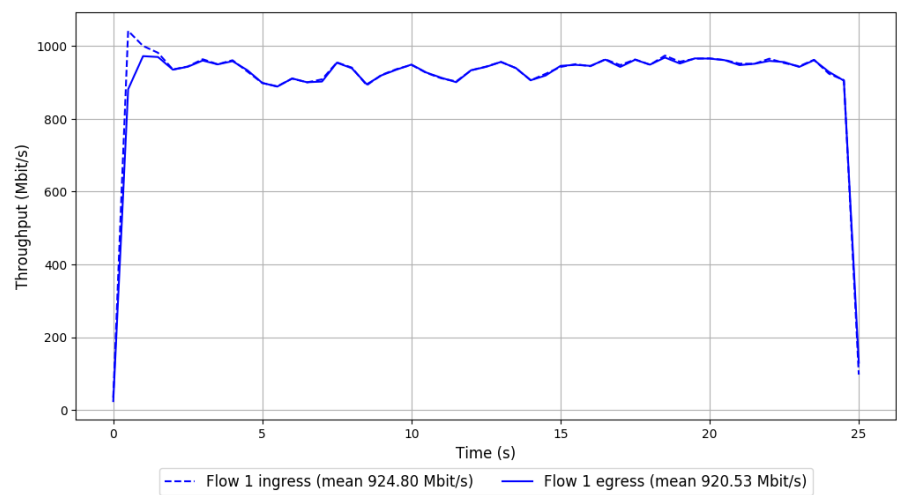
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 909.77 Mbit/s) — — — Flow 1 egress (mean 905.96 Mbit/s)

• Flow 1 (95th percentile 20.03 ms)

```
Run 9: Statistics of PCC

Start at: 2018-01-02 03:50:16
End at: 2018-01-02 03:50:46
Local clock offset: 1.078 ms
Remote clock offset: -2.025 ms


# Below is generated by plot.py at 2018-01-02 06:34:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 920.53 Mbit/s
95th percentile per-packet one-way delay: 20.196 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 920.53 Mbit/s
95th percentile per-packet one-way delay: 20.196 ms
Loss rate: 0.46%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 924.80 Mbit/s)   Flow 1 egress (mean 920.53 Mbit/s)

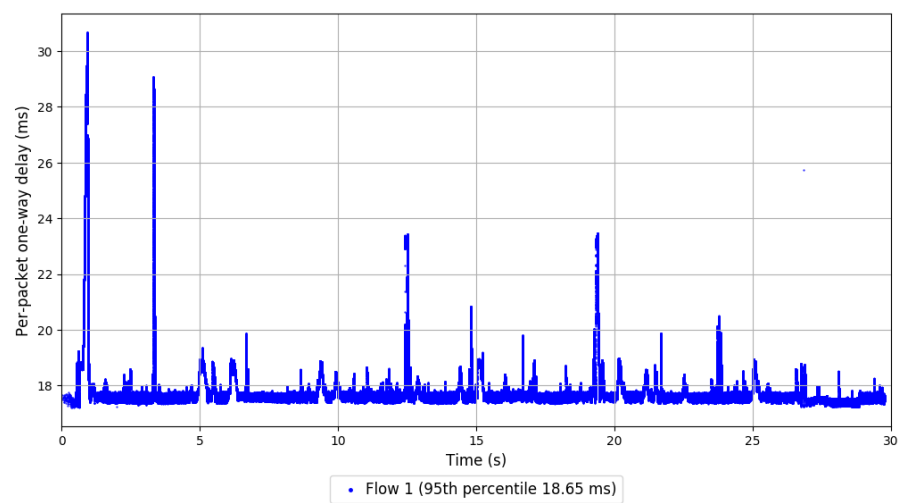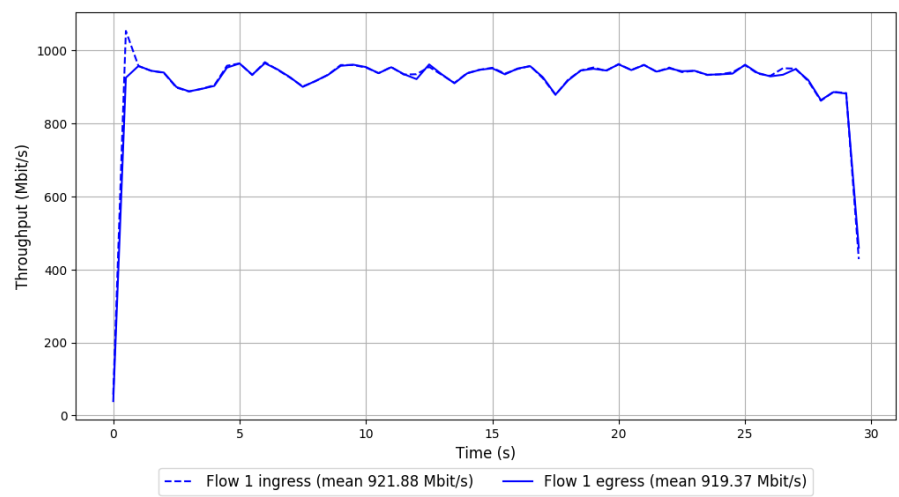Flow 1 (95th percentile 20.20 ms)

```
Run 10: Statistics of PCC

Start at: 2018-01-02 04:10:58
End at: 2018-01-02 04:11:28
Local clock offset: 1.079 ms
Remote clock offset: -2.344 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 919.37 Mbit/s
95th percentile per-packet one-way delay: 18.649 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 919.37 Mbit/s
95th percentile per-packet one-way delay: 18.649 ms
Loss rate: 0.27%
```

Run 10: Report of PCC — Data Link
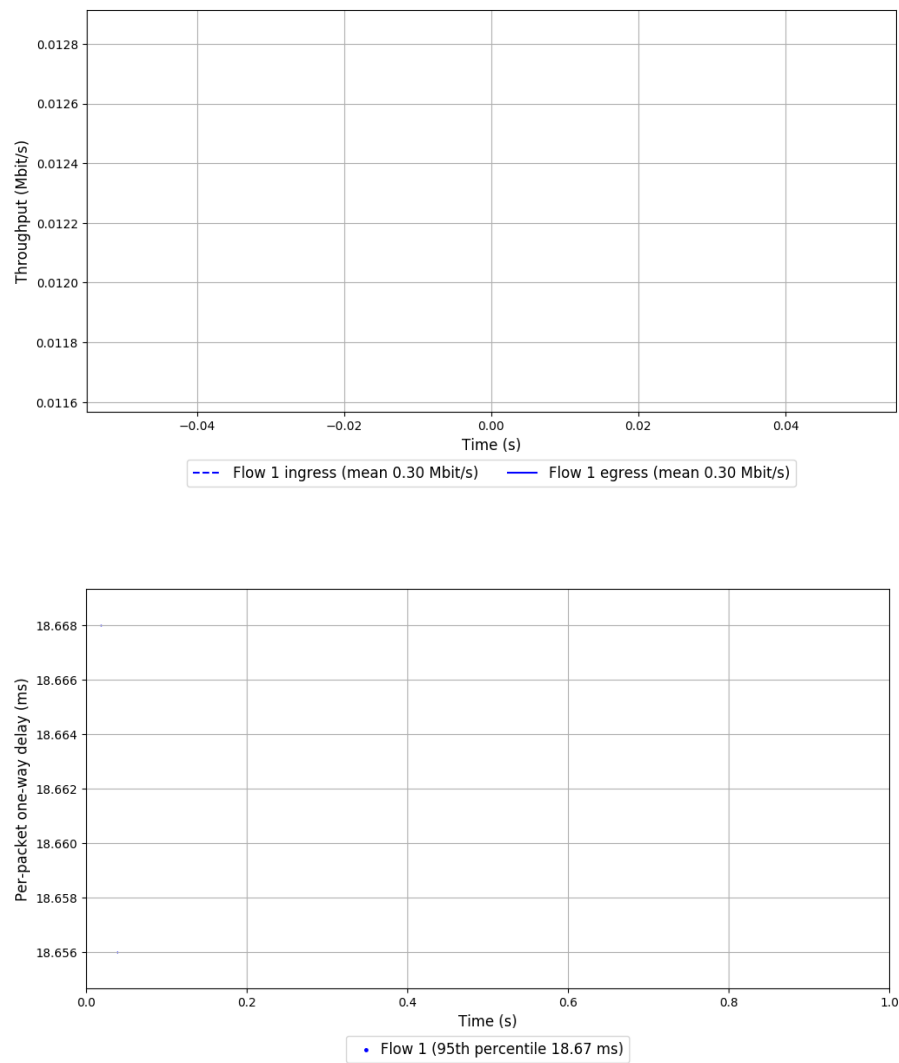
```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-02 01:05:39
End at: 2018-01-02 01:06:09
Local clock offset: -0.134 ms
Remote clock offset: -0.912 ms
```
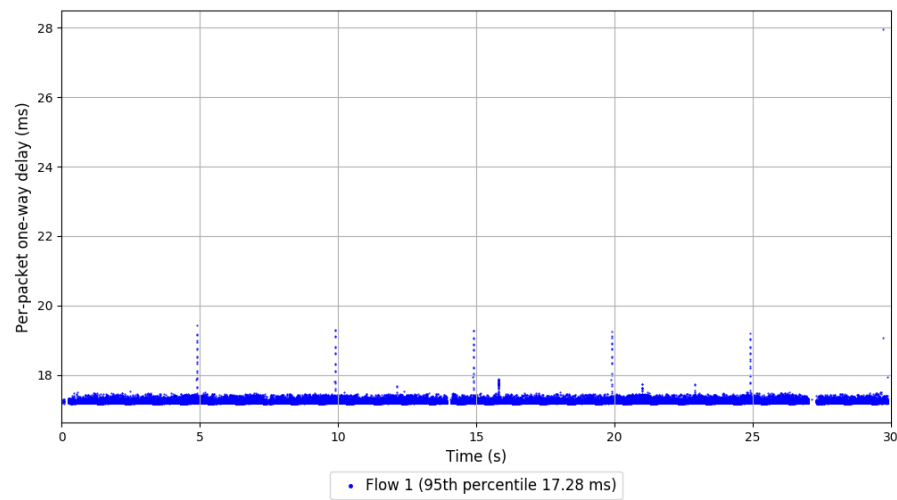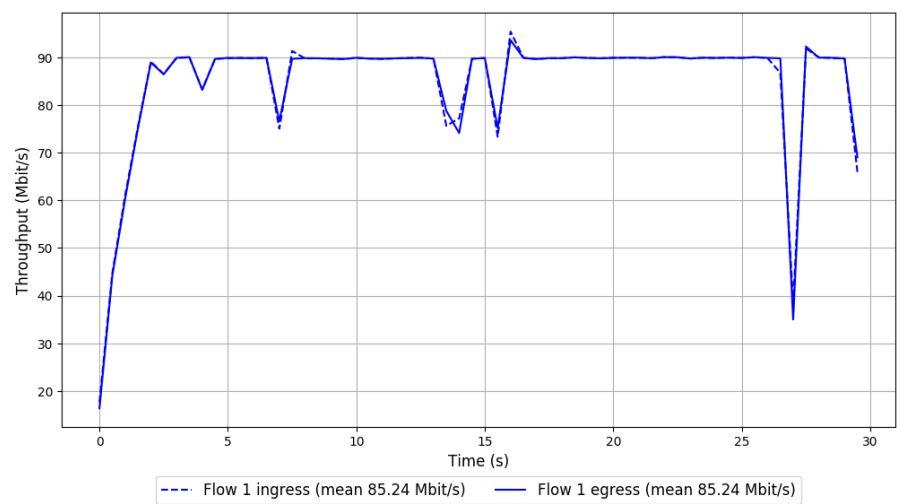
Run 1: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.30 Mbit/s) --- Flow 1 egress (mean 0.30 Mbit/s)

Flow 1 (95th percentile 18.67 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2018-01-02 01:25:40
End at: 2018-01-02 01:26:10
Local clock offset: 0.14 ms
Remote clock offset: -0.751 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 17.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 17.283 ms
Loss rate: 0.00%
```
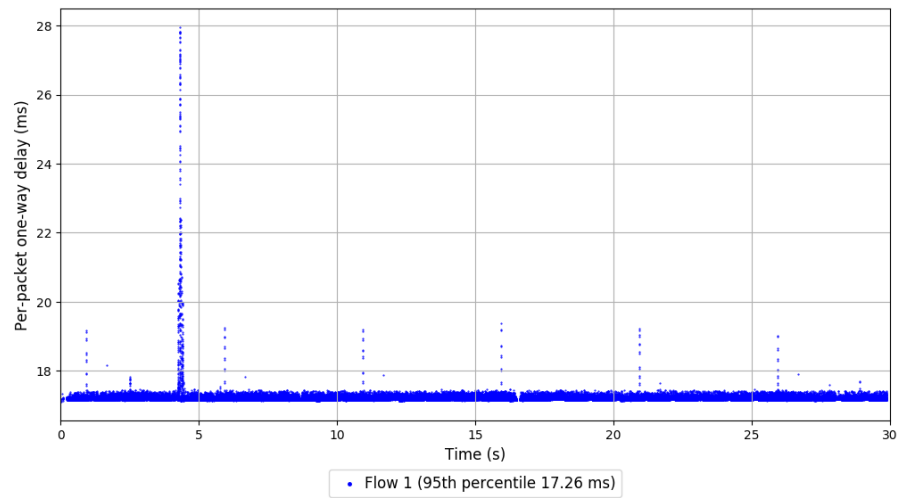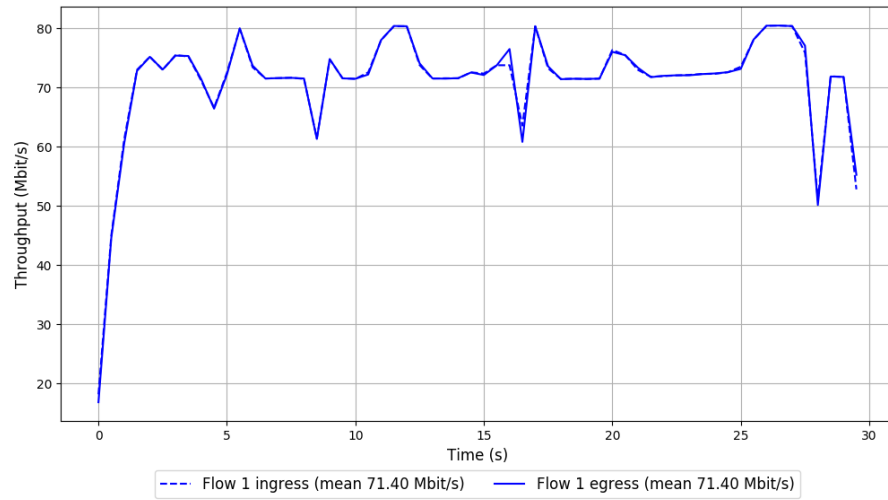
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2018-01-02 01:46:15
End at: 2018-01-02 01:46:45
Local clock offset: 0.152 ms
Remote clock offset: -1.124 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 17.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 17.262 ms
Loss rate: 0.00%
```
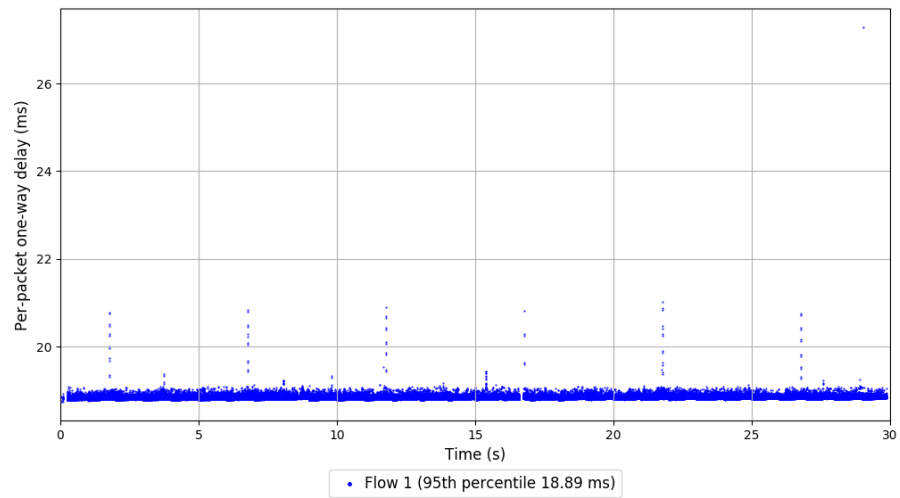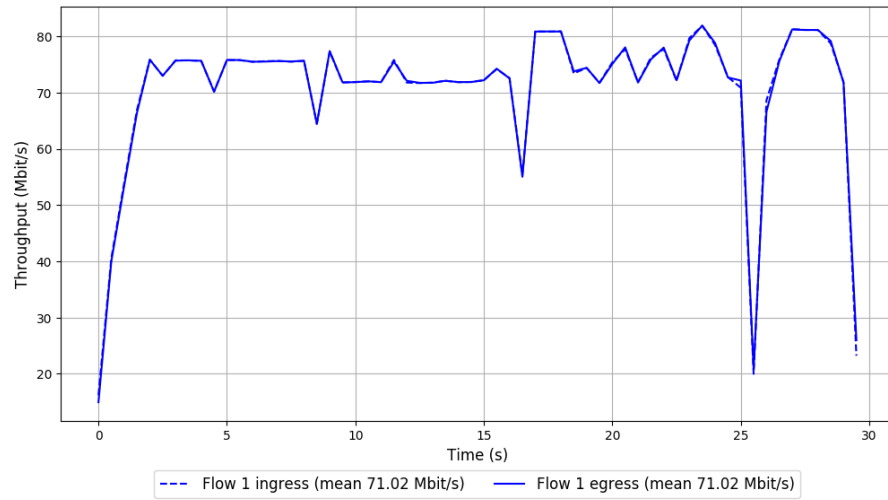
Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 71.40 Mbit/s) — — — Flow 1 egress (mean 71.40 Mbit/s)

Flow 1 (95th percentile 17.26 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-01-02 02:06:38
End at: 2018-01-02 02:07:08
Local clock offset: 0.153 ms
Remote clock offset: -1.117 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.02 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.02 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.00%
```
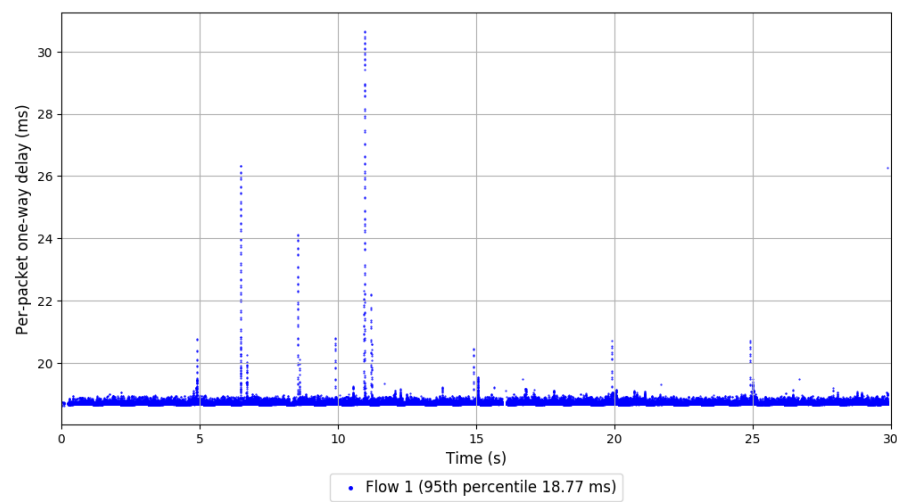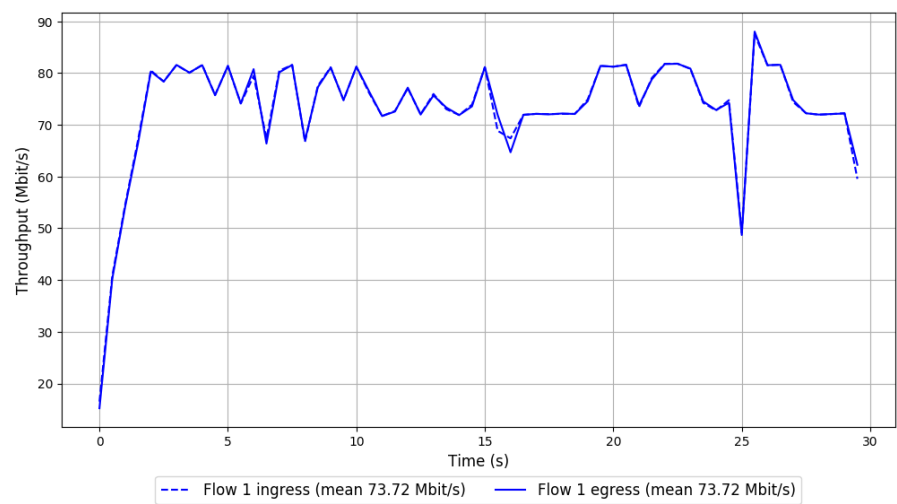
Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2018-01-02 02:27:05
End at: 2018-01-02 02:27:35
Local clock offset: 0.647 ms
Remote clock offset: -1.048 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.00%
```
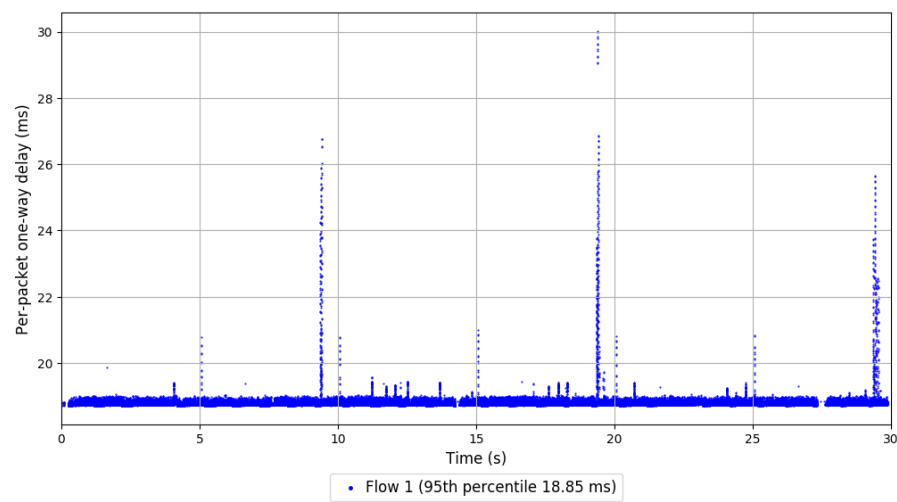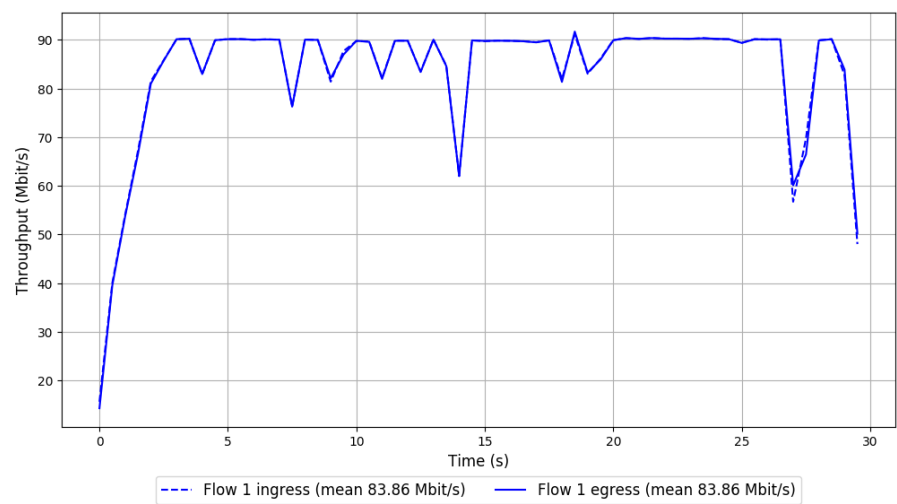
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 73.72 Mbit/s) --- Flow 1 egress (mean 73.72 Mbit/s)

Flow 1 (95th percentile 18.77 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2018-01-02 02:47:42
End at: 2018-01-02 02:48:12
Local clock offset: 0.704 ms
Remote clock offset: -1.189 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.01%
```
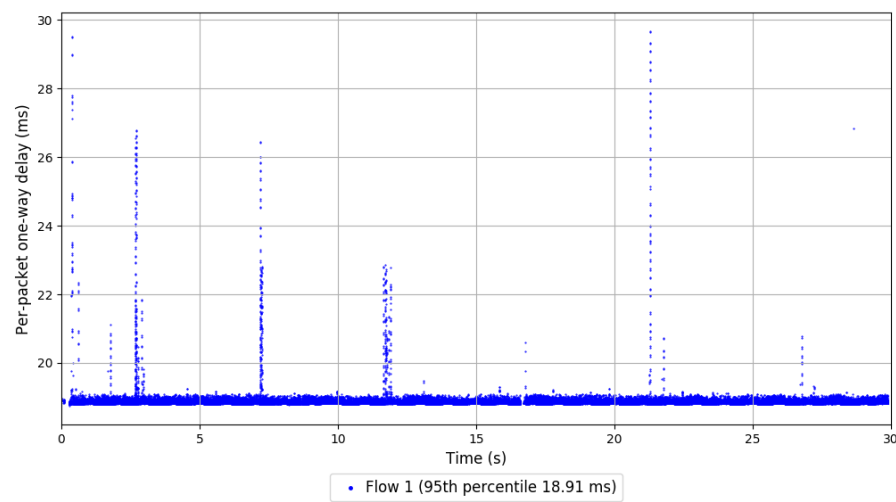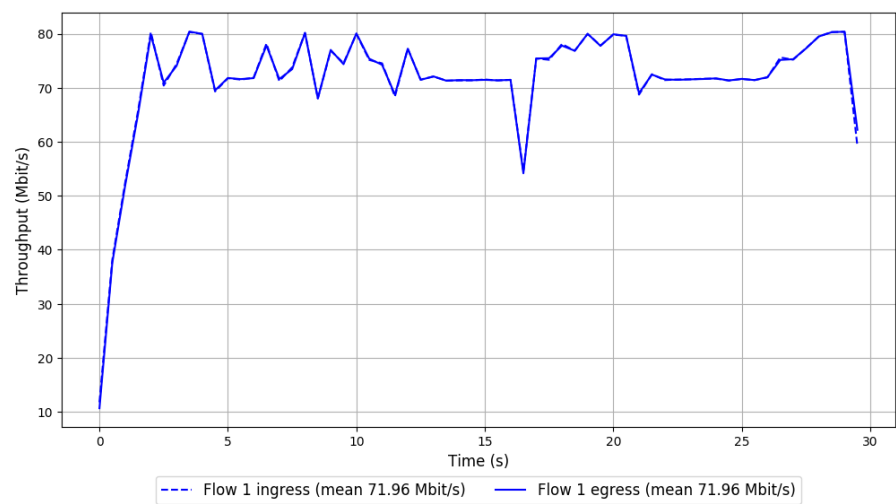
Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-01-02 03:08:10
End at: 2018-01-02 03:08:40
Local clock offset: 0.82 ms
Remote clock offset: -1.117 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 18.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 18.910 ms
Loss rate: 0.00%
```
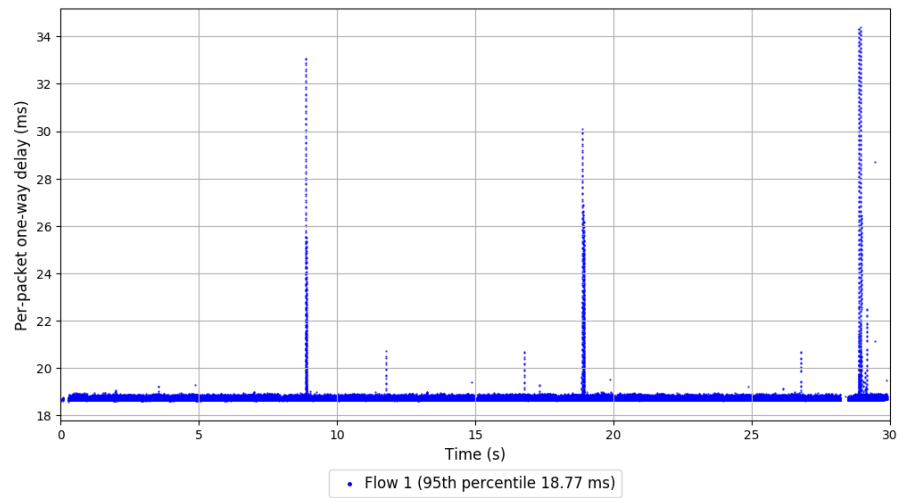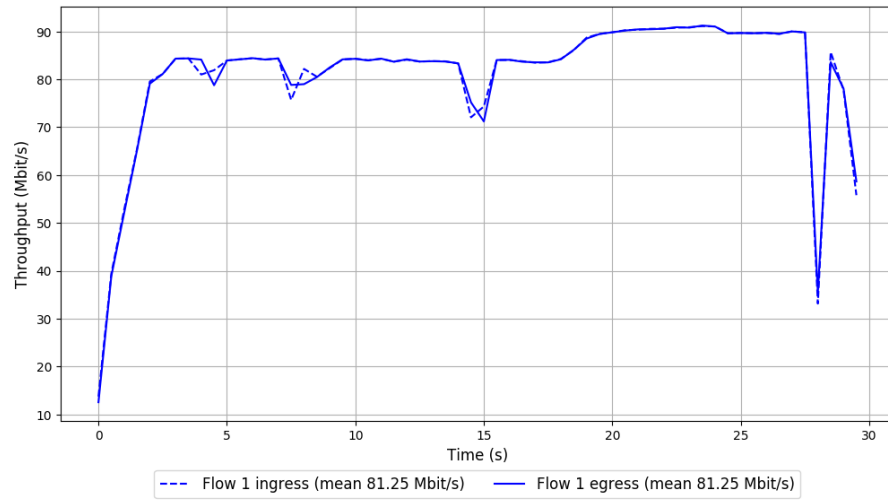
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 71.96 Mbit/s) --- Flow 1 egress (mean 71.96 Mbit/s)

Flow 1 (95th percentile 18.91 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-01-02 03:28:33
End at: 2018-01-02 03:29:03
Local clock offset: 0.973 ms
Remote clock offset: -1.566 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 18.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 18.771 ms
Loss rate: 0.00%
```
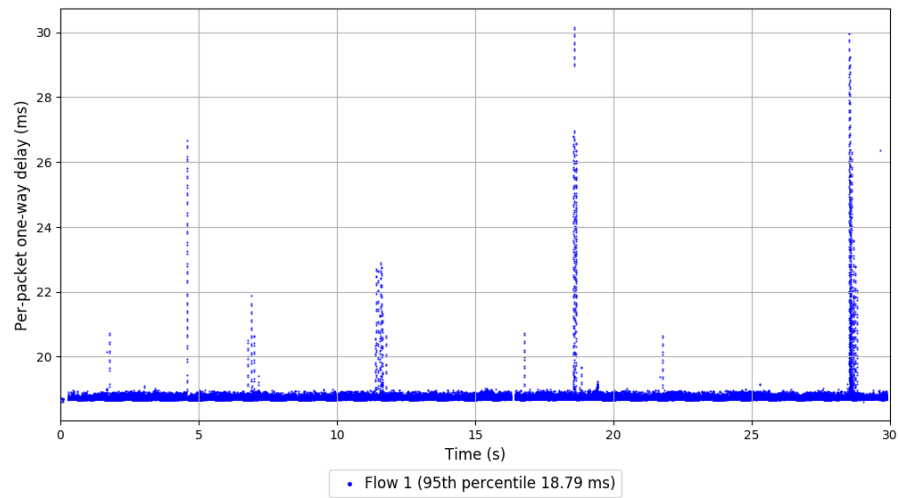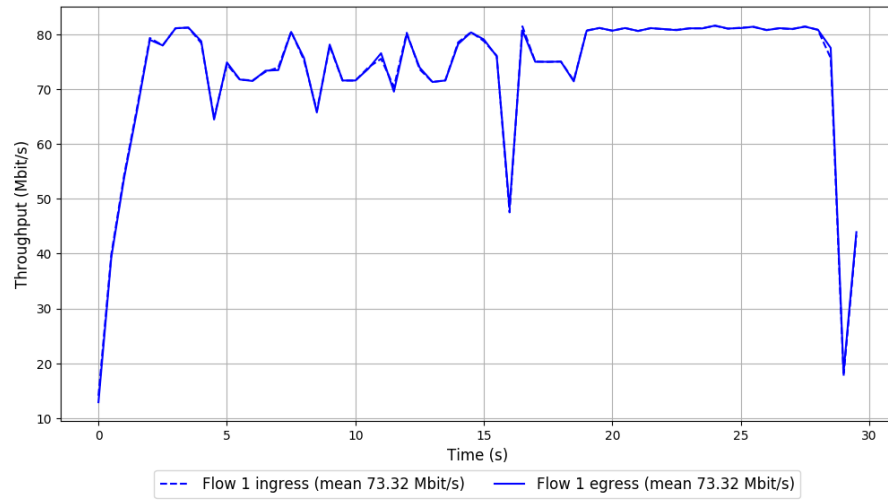
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 81.25 Mbit/s) --- Flow 1 egress (mean 81.25 Mbit/s)

Flow 1 (95th percentile 18.77 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-01-02 03:49:03
End at: 2018-01-02 03:49:33
Local clock offset: 0.995 ms
Remote clock offset: -2.021 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.32 Mbit/s
95th percentile per-packet one-way delay: 18.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.32 Mbit/s
95th percentile per-packet one-way delay: 18.789 ms
Loss rate: 0.00%
```
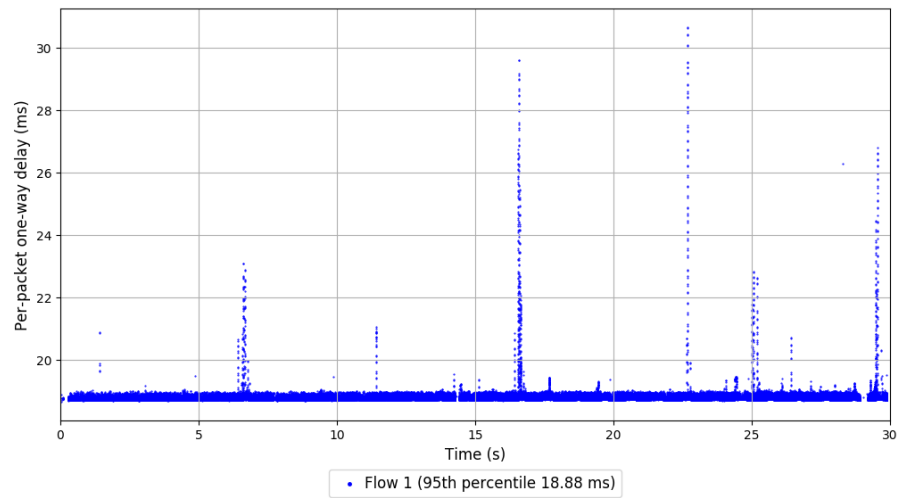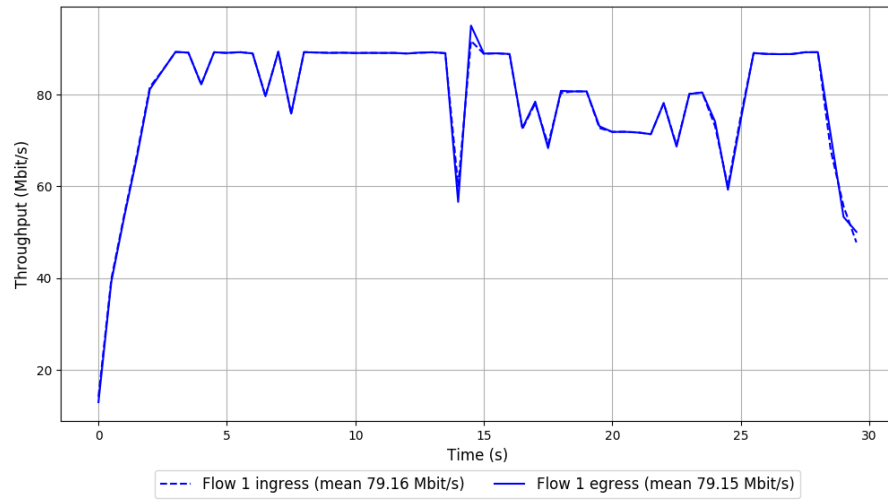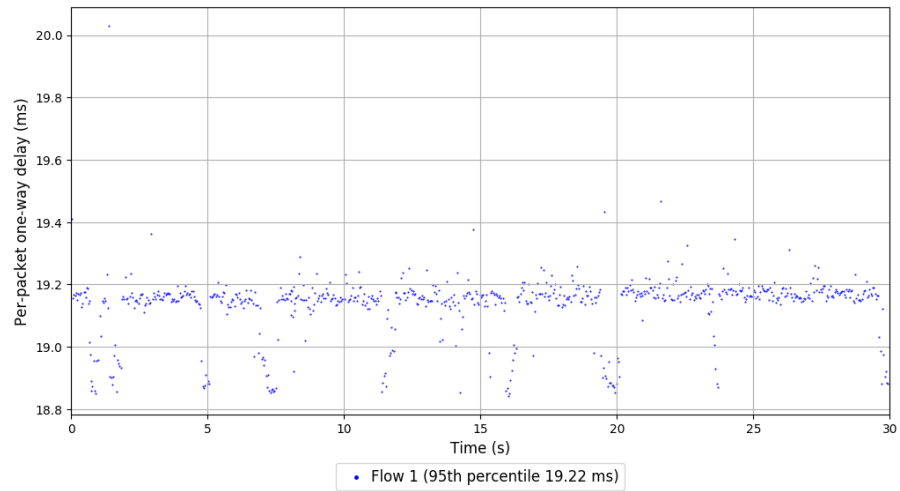
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 73.32 Mbit/s)   Flow 1 egress (mean 73.32 Mbit/s)

Flow 1 (95th percentile 18.79 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-02 04:09:45
End at: 2018-01-02 04:10:15
Local clock offset: 1.125 ms
Remote clock offset: -2.266 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.01%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 79.16 Mbit/s)   Flow 1 egress (mean 79.15 Mbit/s)
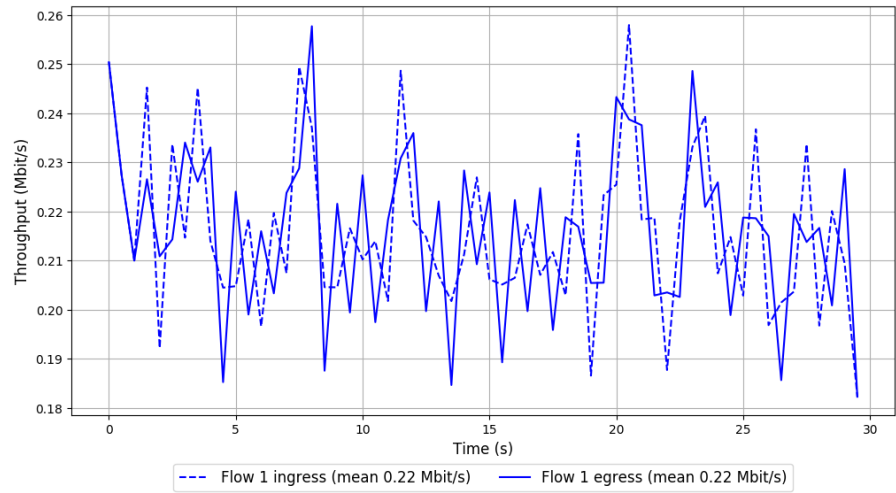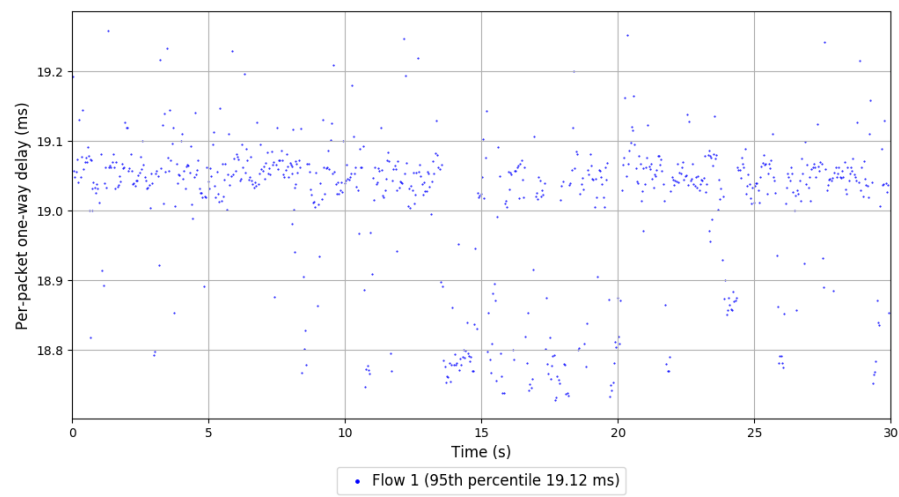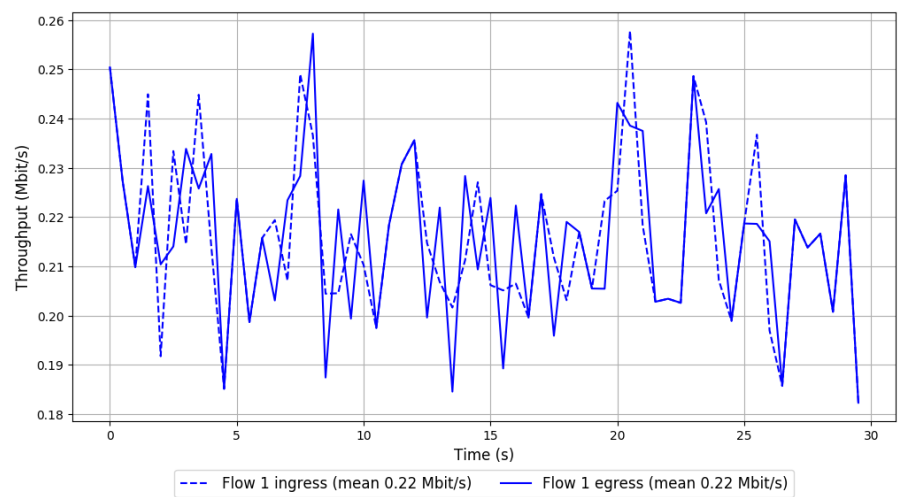

Flow 1 (95th percentile 18.88 ms)

```
Run 1: Statistics of SCReAM

Start at: 2018-01-02 01:02:57
End at: 2018-01-02 01:03:27
Local clock offset: -0.335 ms
Remote clock offset: -0.867 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.00%
```
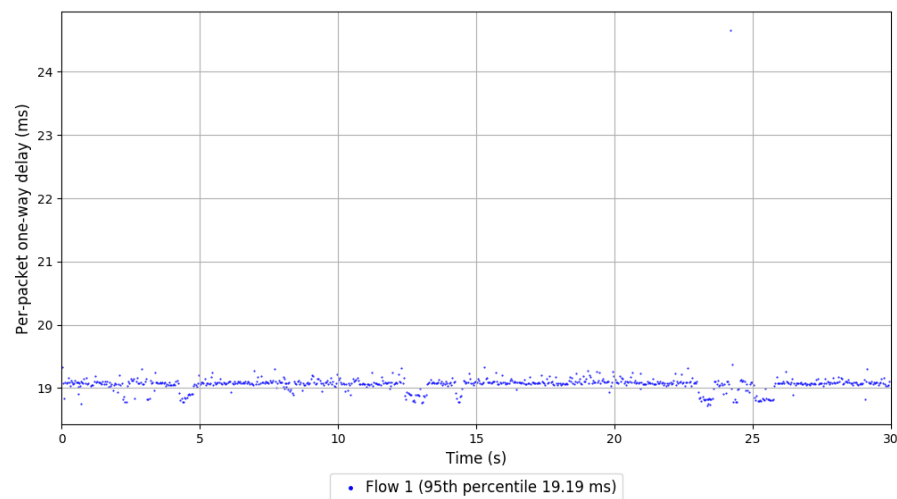
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2018-01-02 01:22:59
End at: 2018-01-02 01:23:29
Local clock offset: 0.106 ms
Remote clock offset: -0.681 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.00%
```

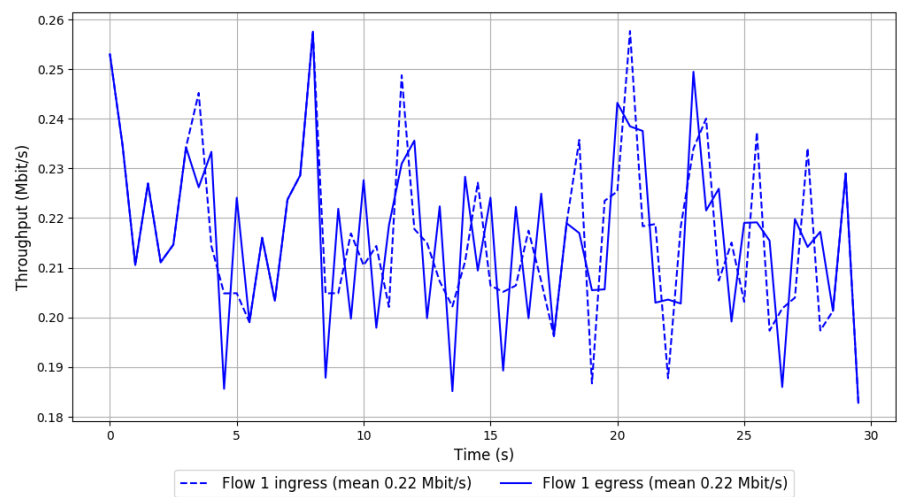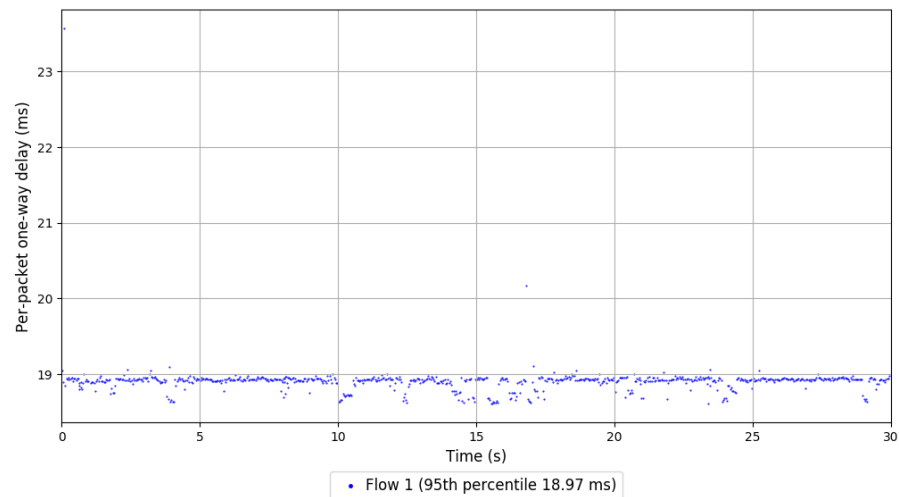Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2018-01-02 01:43:34
End at: 2018-01-02 01:44:04
Local clock offset: 0.048 ms
Remote clock offset: -1.006 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.00%
```

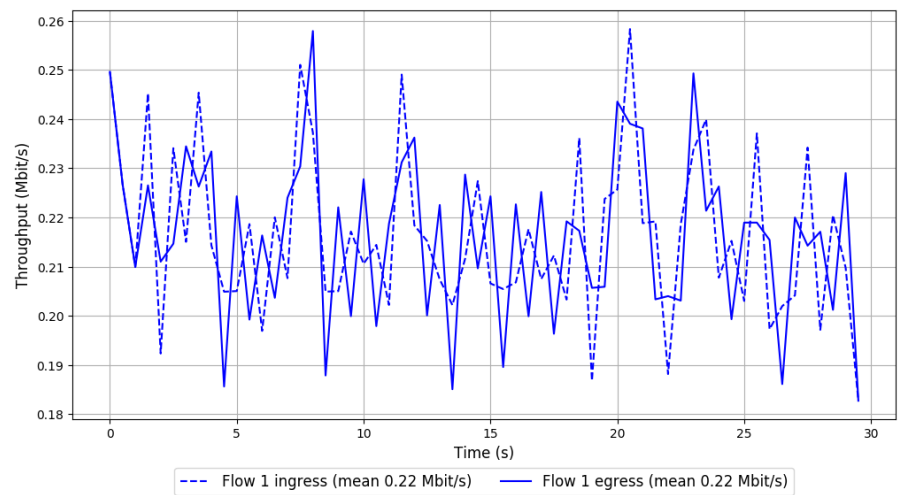# Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2018-01-02 02:03:58
End at: 2018-01-02 02:04:28
Local clock offset: 0.168 ms
Remote clock offset: -1.136 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.00%
```
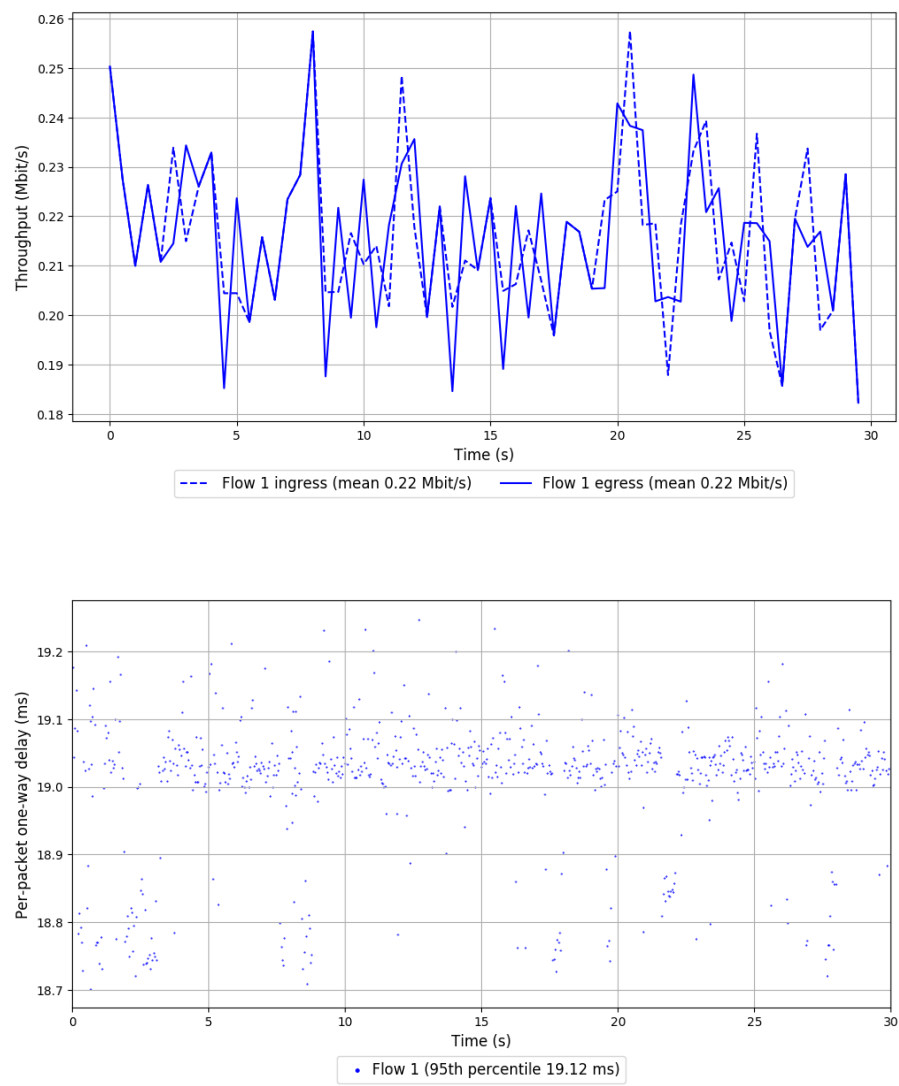
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2018-01-02 02:24:24
End at: 2018-01-02 02:24:54
Local clock offset: 0.508 ms
Remote clock offset: -1.16 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%
```
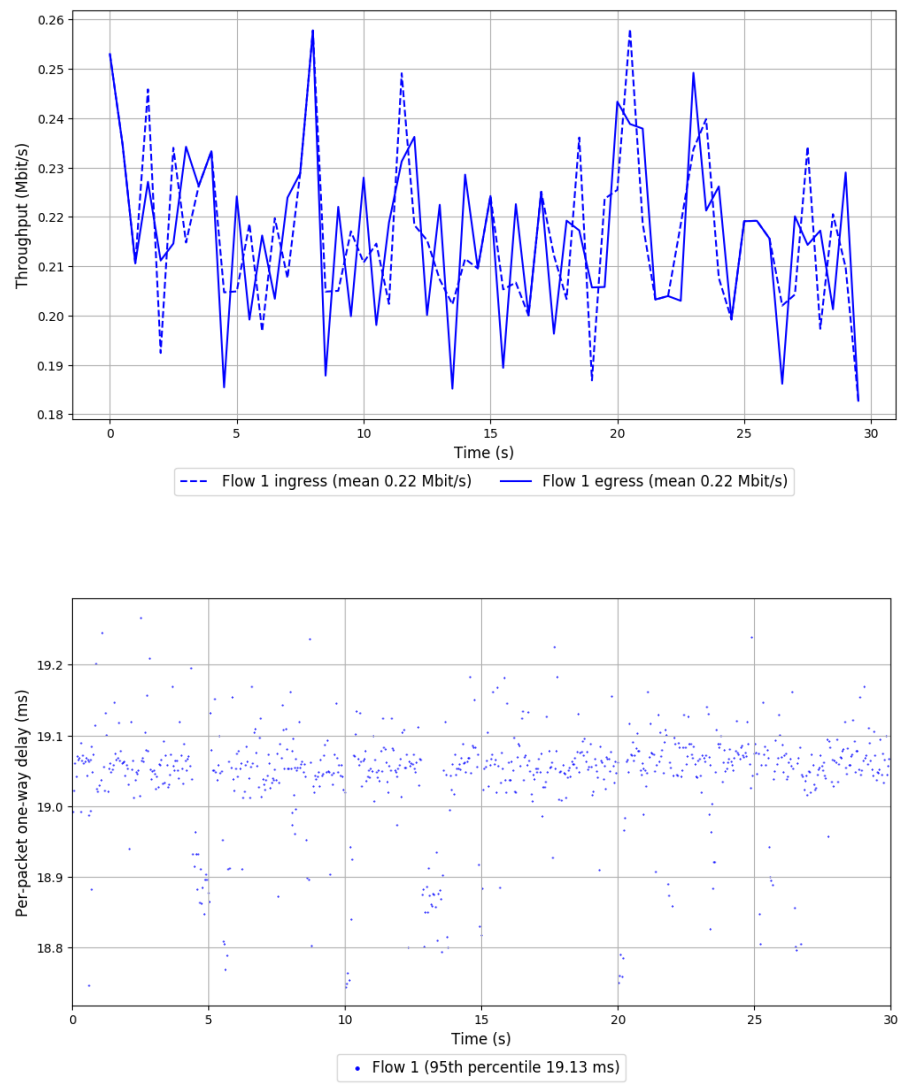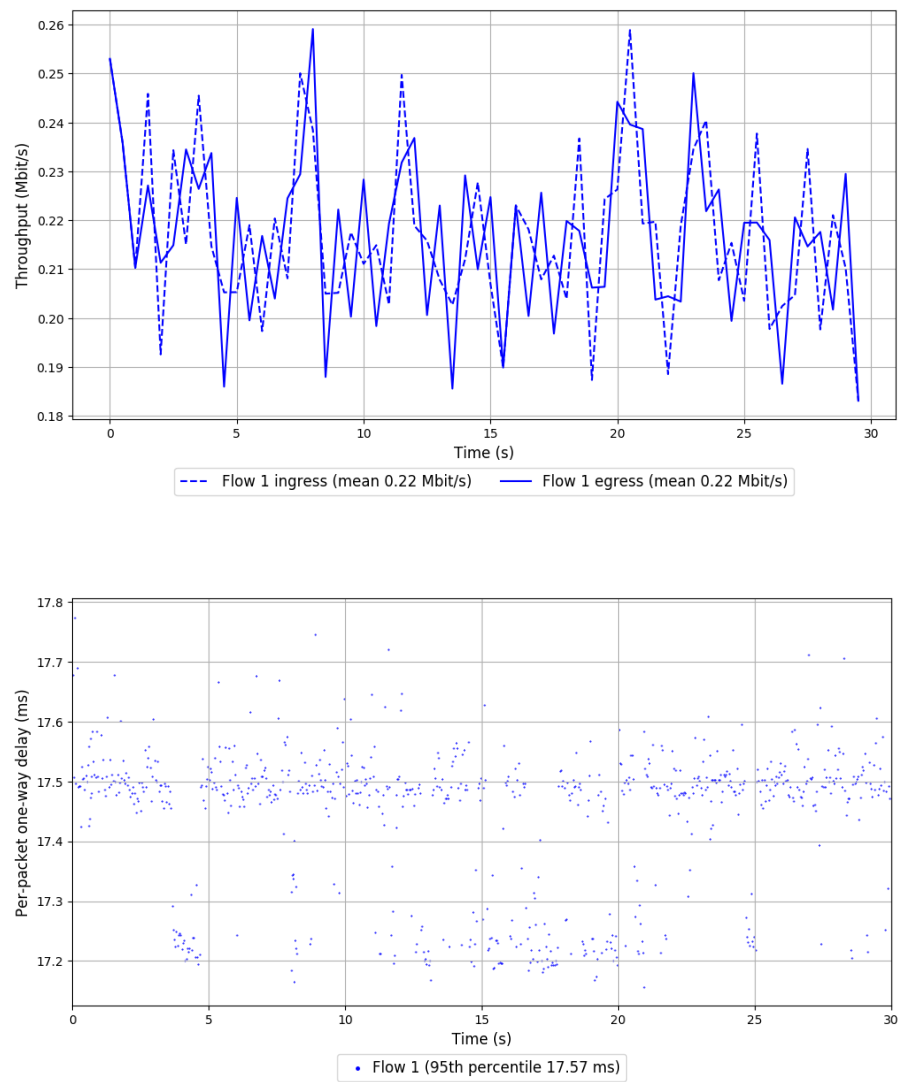
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2018-01-02 02:45:02
End at: 2018-01-02 02:45:32
Local clock offset: 0.671 ms
Remote clock offset: -1.17 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.131 ms
Loss rate: 0.00%
```
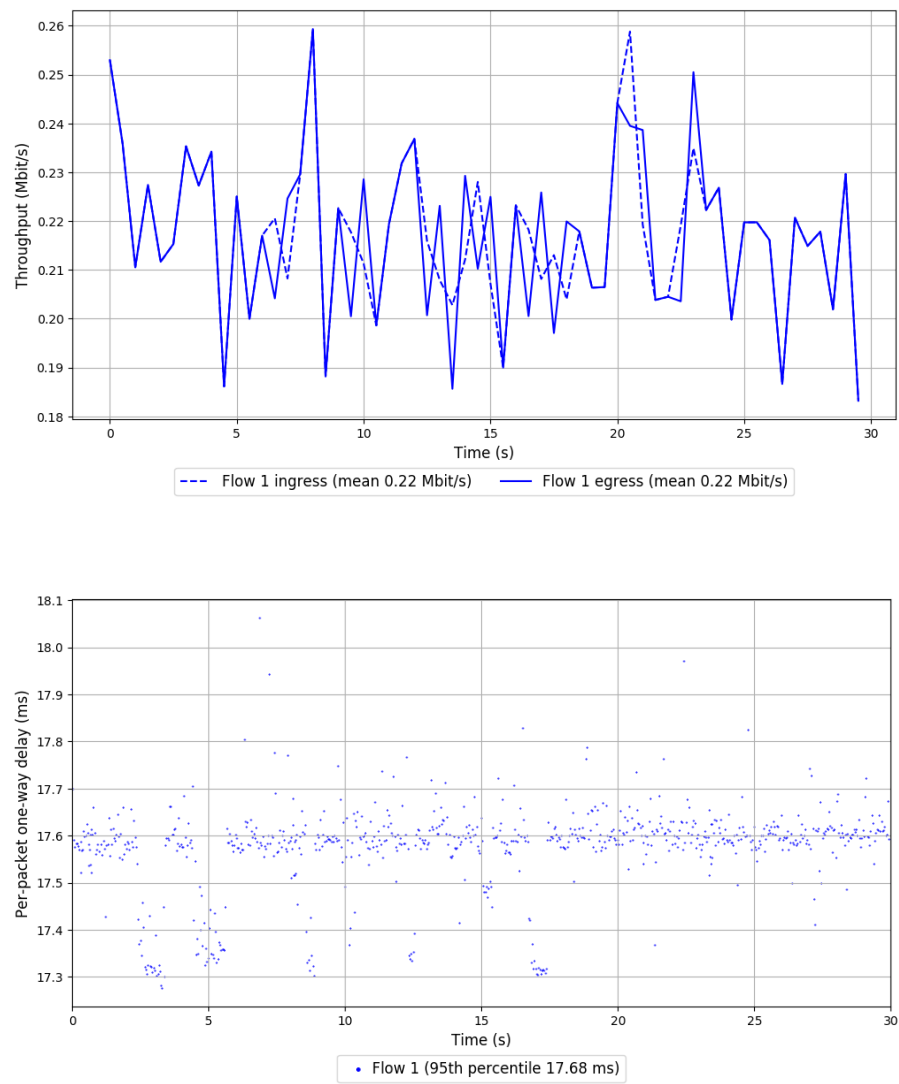
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2018-01-02 03:05:30
End at: 2018-01-02 03:06:00
Local clock offset: 0.888 ms
Remote clock offset: -1.219 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.574 ms
Loss rate: 0.00%
```
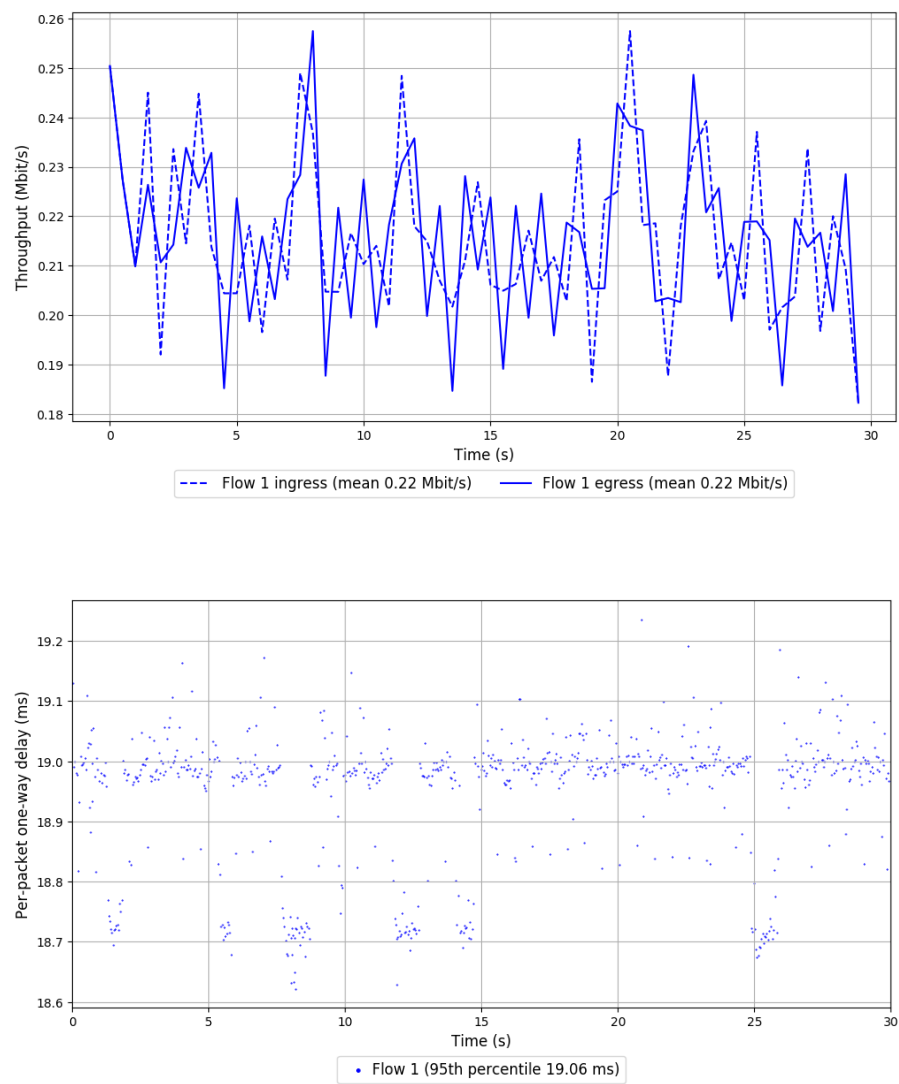
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2018-01-02 03:25:52
End at: 2018-01-02 03:26:22
Local clock offset: 0.977 ms
Remote clock offset: -1.412 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.677 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2018-01-02 03:46:22
End at: 2018-01-02 03:46:52
Local clock offset: 1.066 ms
Remote clock offset: -1.904 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.063 ms
Loss rate: 0.00%
```
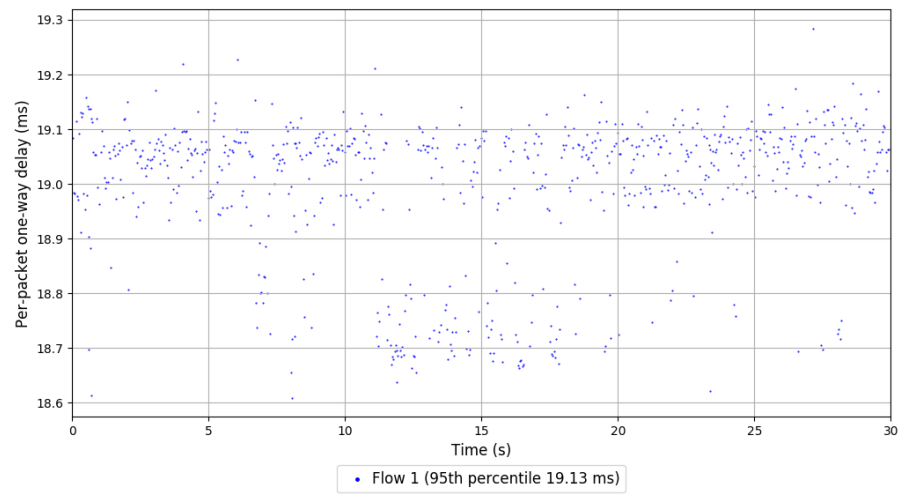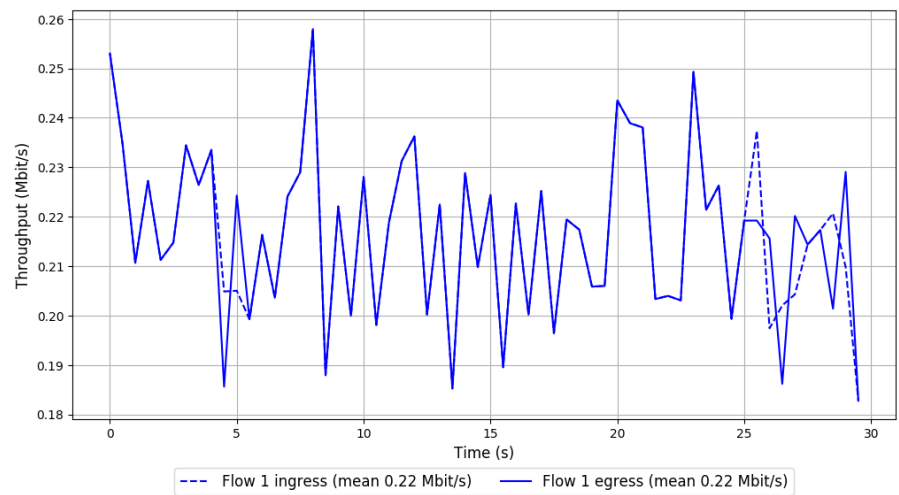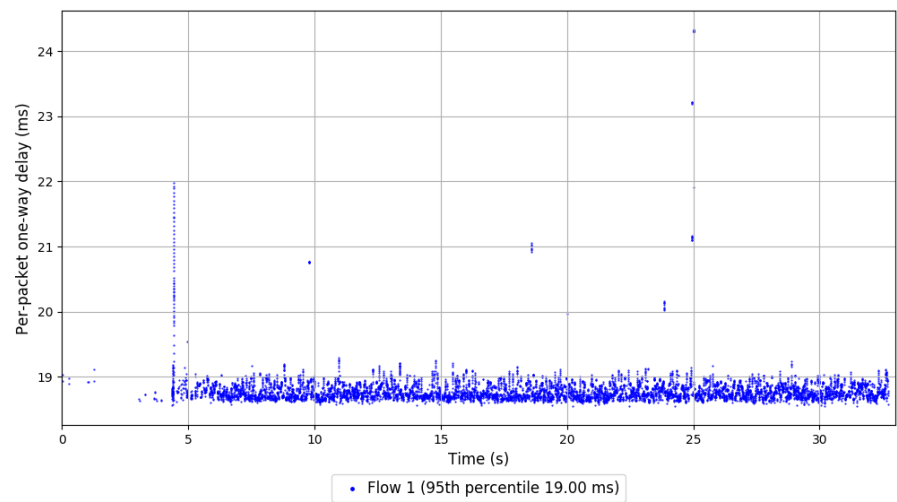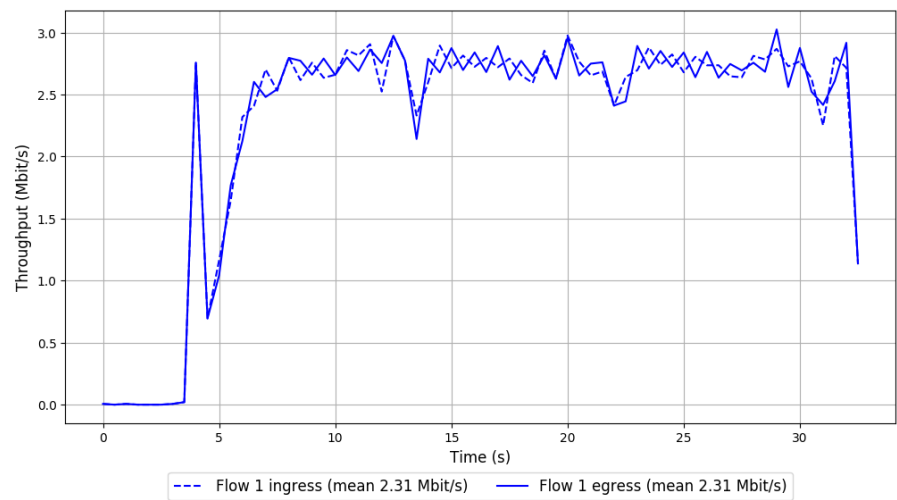
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2018-01-02 04:07:03
End at: 2018-01-02 04:07:33
Local clock offset: 1.069 ms
Remote clock offset: -2.321 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%
```

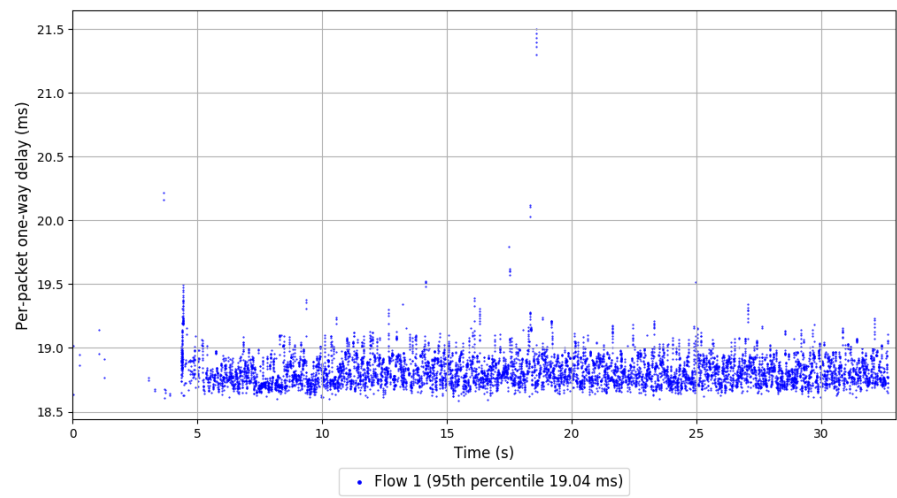## Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2018-01-02 01:00:27
End at: 2018-01-02 01:00:57
Local clock offset: -0.225 ms
Remote clock offset: -0.98 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.00%
```
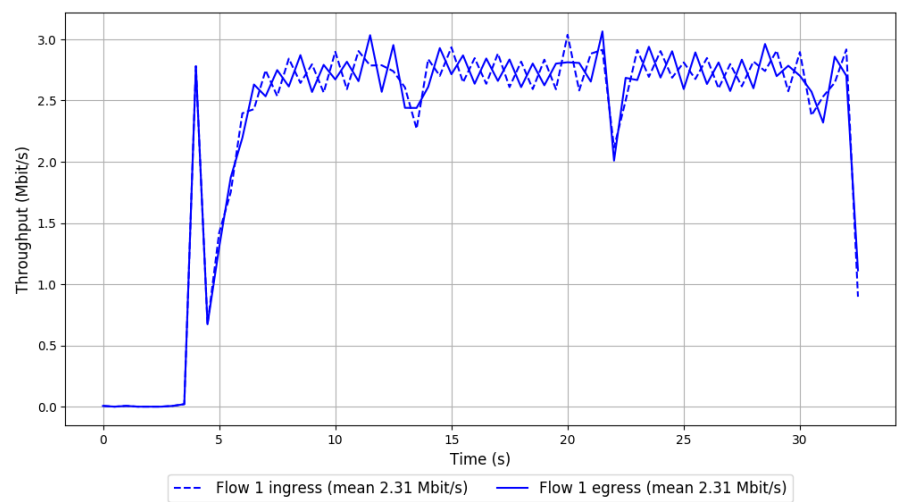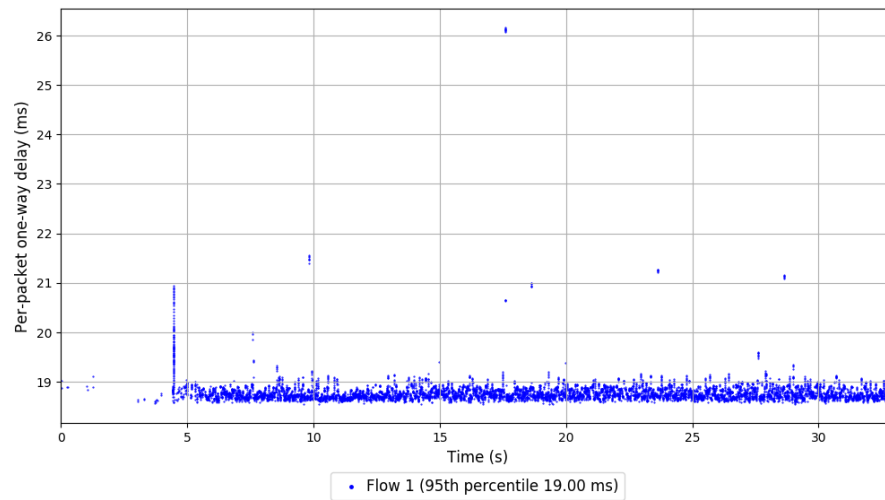
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-01-02 01:20:29
End at: 2018-01-02 01:20:59
Local clock offset: 0.082 ms
Remote clock offset: -0.768 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.00%
```
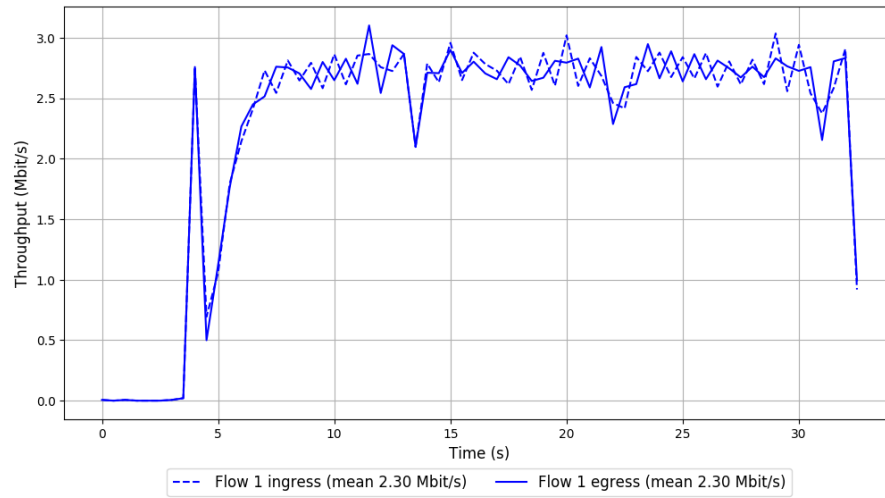
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2018-01-02 01:41:04
End at: 2018-01-02 01:41:34
Local clock offset: 0.166 ms
Remote clock offset: -1.009 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.00%
```
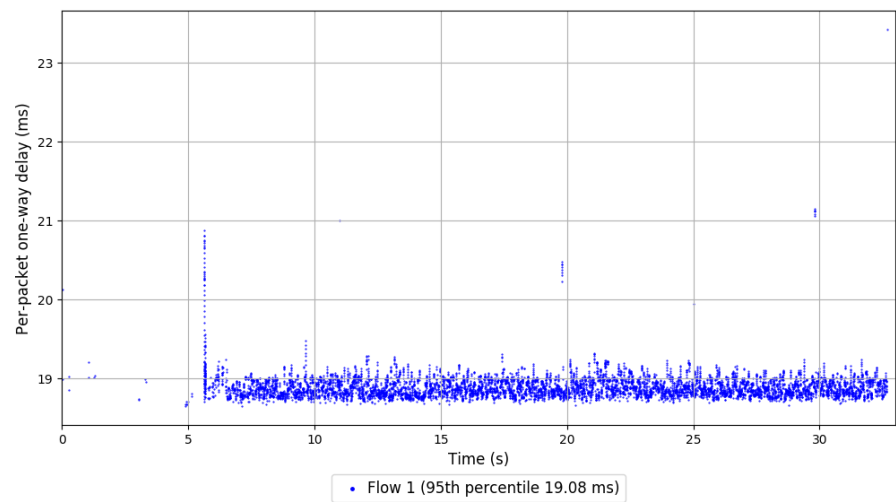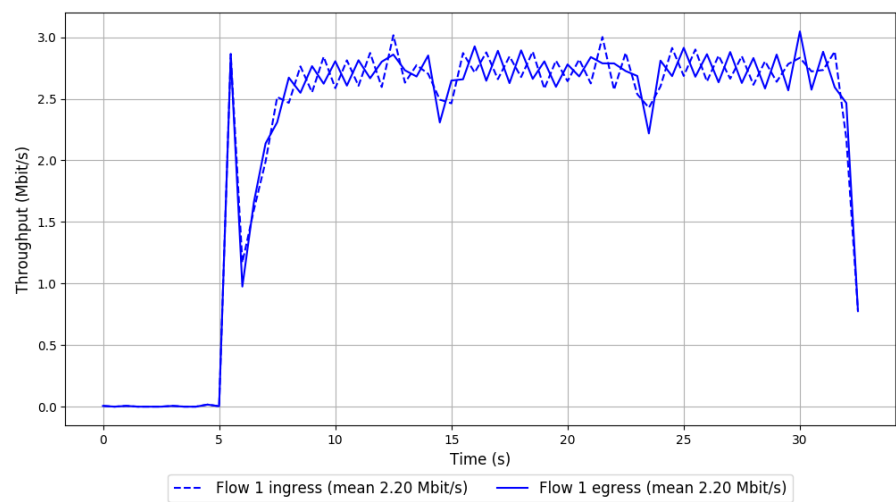
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2018-01-02 02:01:27
End at: 2018-01-02 02:01:57
Local clock offset: -0.011 ms
Remote clock offset: -1.174 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.00%
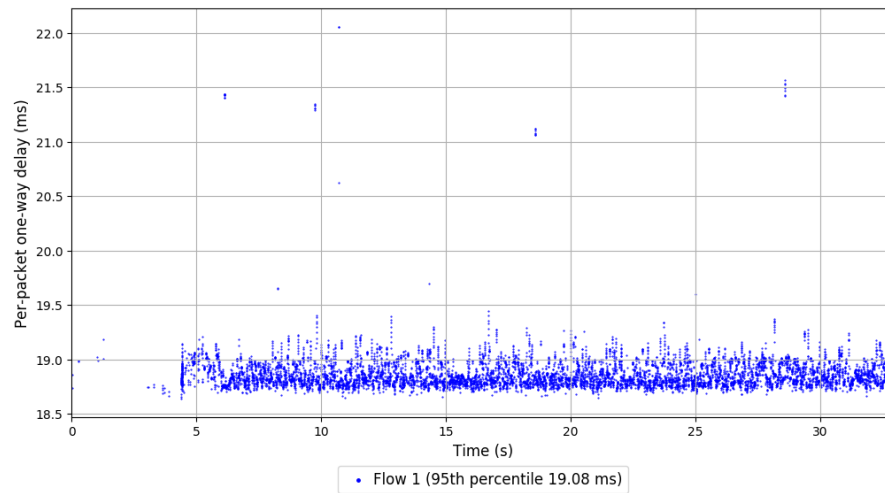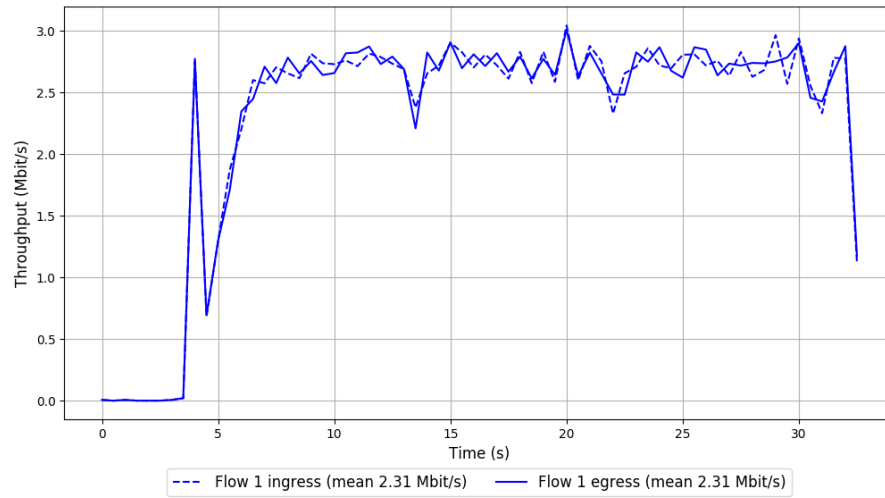```

Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2018-01-02 02:21:53
End at: 2018-01-02 02:22:23
Local clock offset: 0.472 ms
Remote clock offset: -1.197 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.077 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.31 Mbit/s)   Flow 1 egress (mean 2.31 Mbit/s)

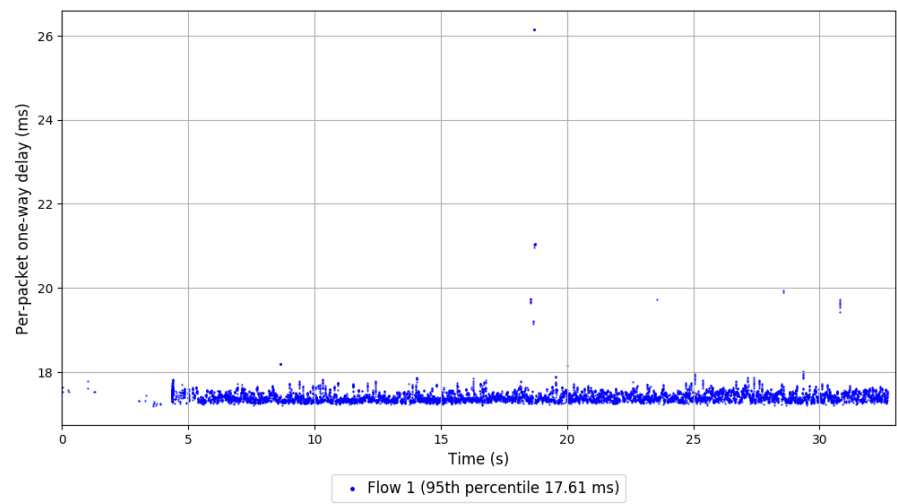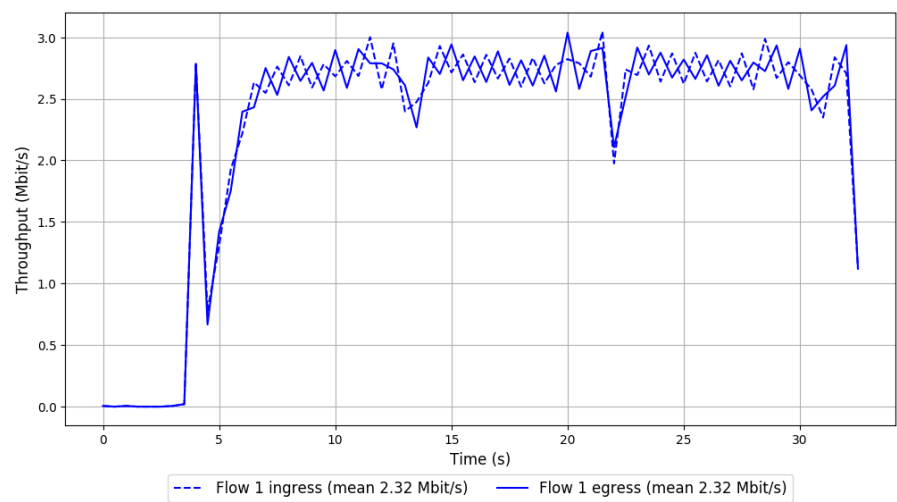
Flow 1 (95th percentile 19.08 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2018-01-02 02:42:31
End at: 2018-01-02 02:43:01
Local clock offset: 0.756 ms
Remote clock offset: -1.099 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 17.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 17.613 ms
Loss rate: 0.00%
```
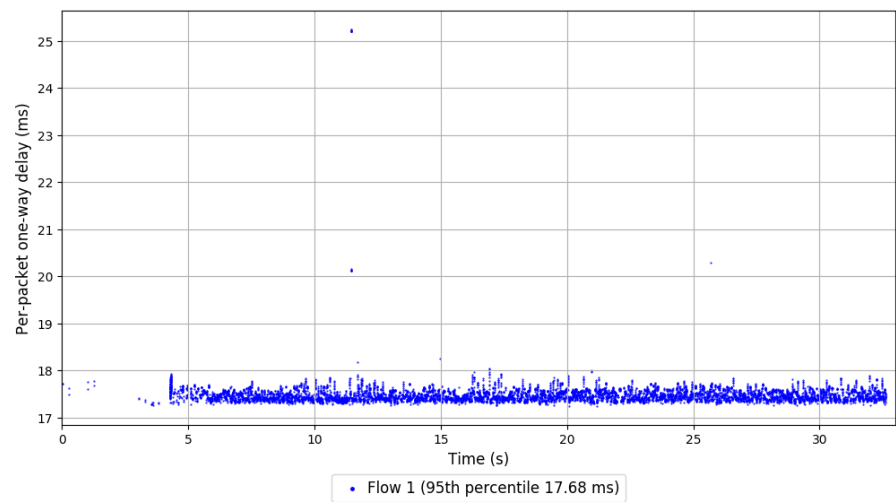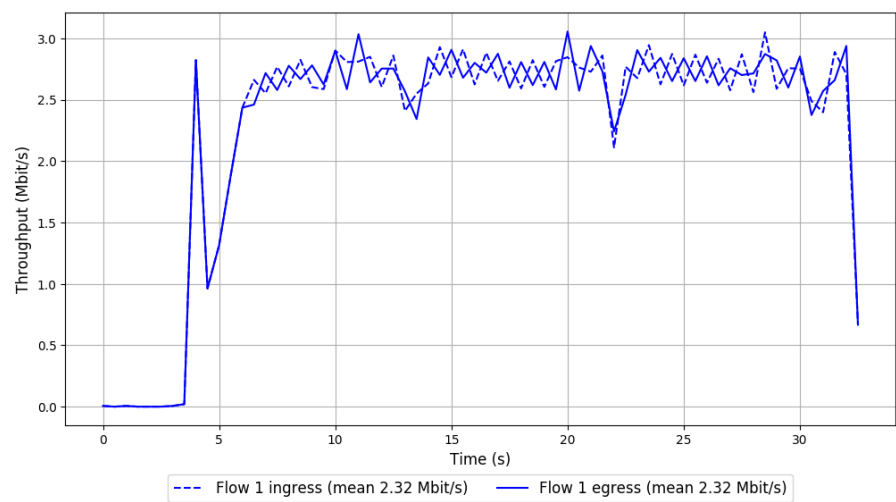
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-01-02 03:02:58
End at: 2018-01-02 03:03:28
Local clock offset: 0.804 ms
Remote clock offset: -1.165 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 17.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 17.679 ms
Loss rate: 0.00%
```
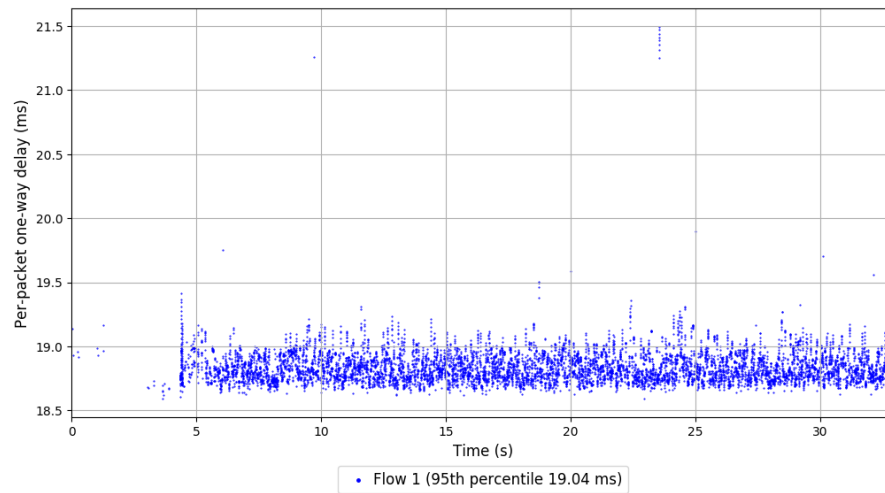
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-01-02 03:23:22
End at: 2018-01-02 03:23:52
Local clock offset: 0.985 ms
Remote clock offset: -1.385 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.043 ms
Loss rate: 0.00%
```
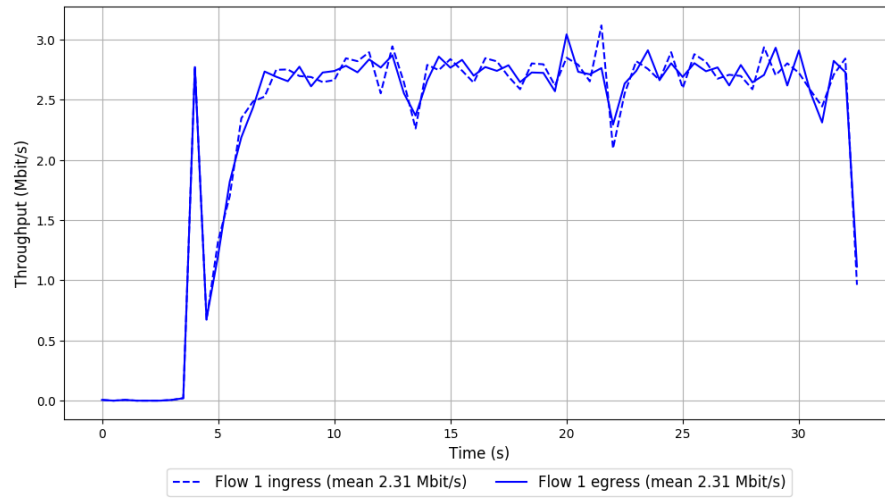
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-01-02 03:43:51
End at: 2018-01-02 03:44:21
Local clock offset: 0.954 ms
Remote clock offset: -1.83 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.00%
```
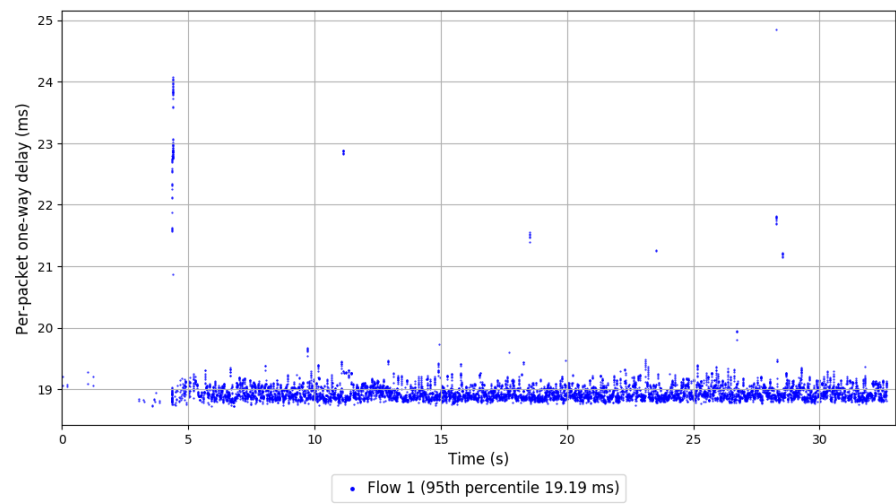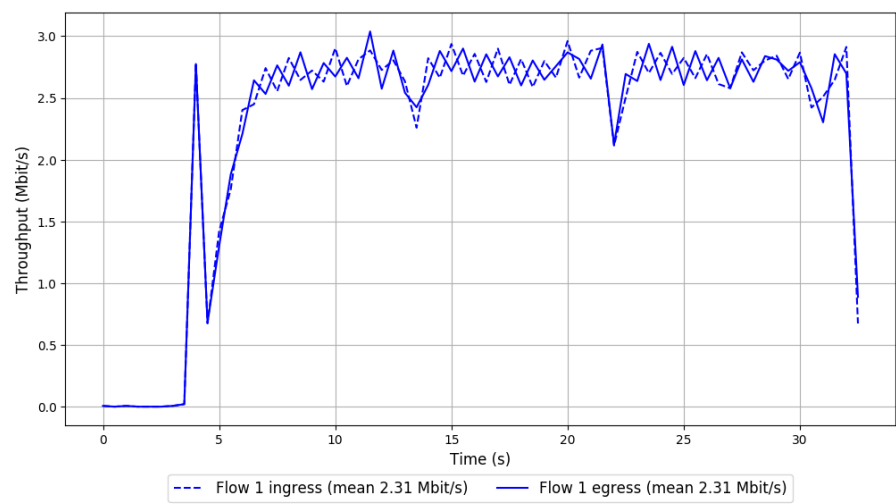
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-01-02 04:04:32
End at: 2018-01-02 04:05:02
Local clock offset: 1.047 ms
Remote clock offset: -2.201 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.195 ms
Loss rate: 0.00%
```
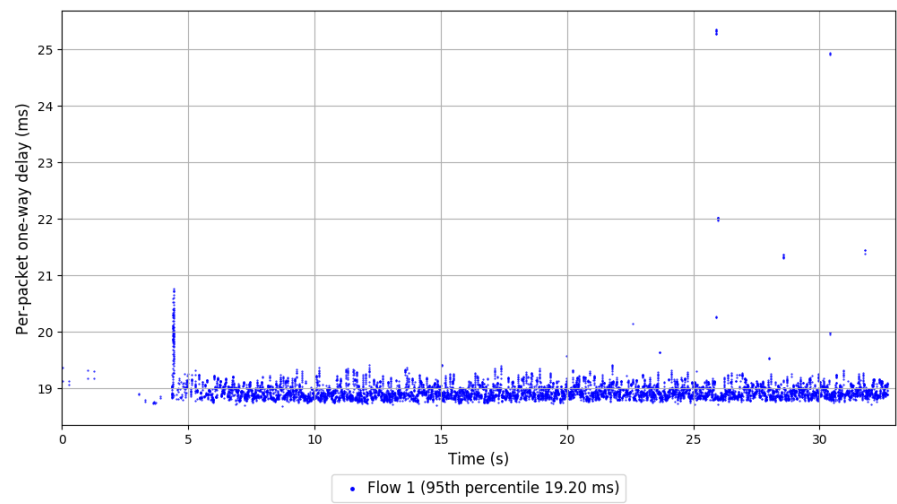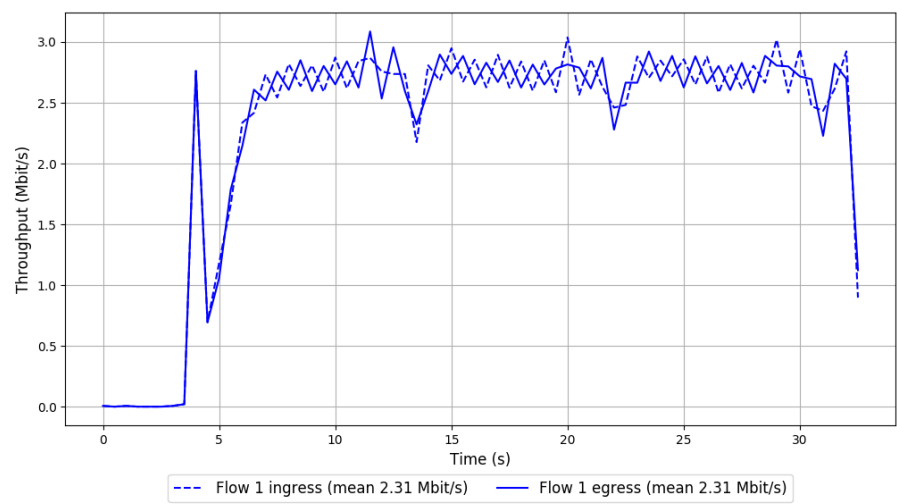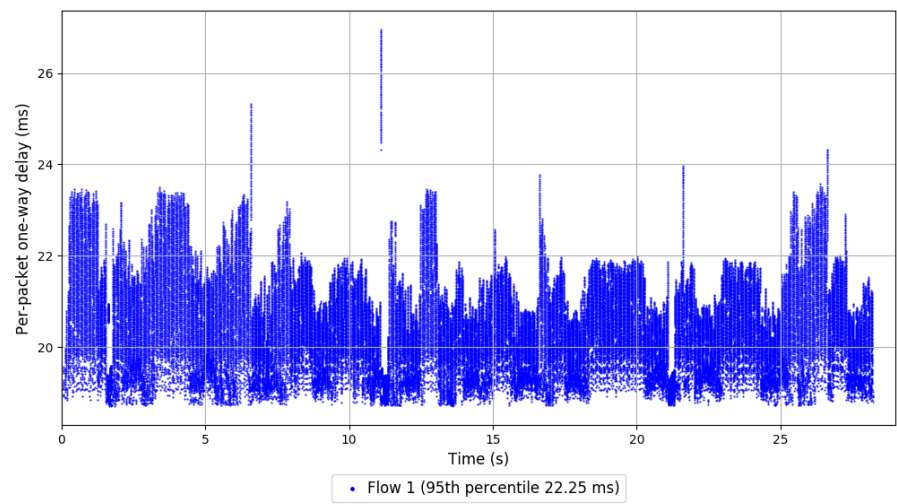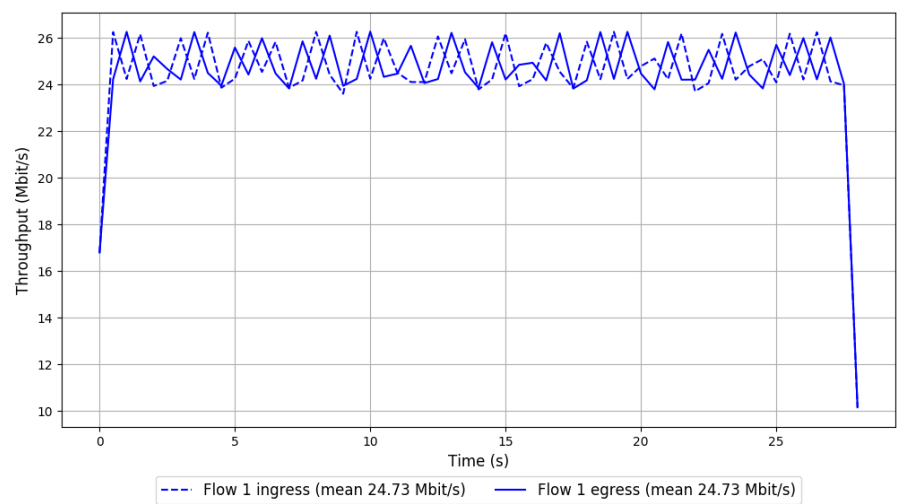
Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2018-01-02 01:12:46
End at: 2018-01-02 01:13:16
Local clock offset: -0.089 ms
Remote clock offset: -0.832 ms

# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 22.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 22.254 ms
Loss rate: 0.00%
```

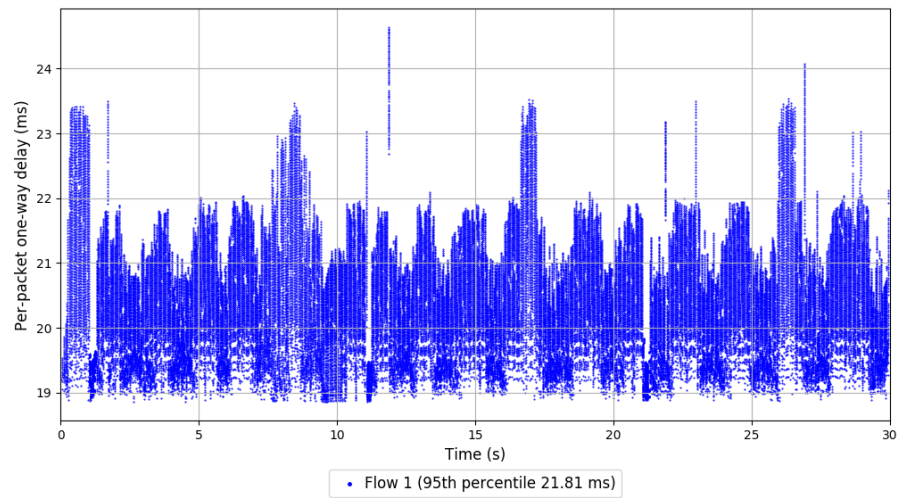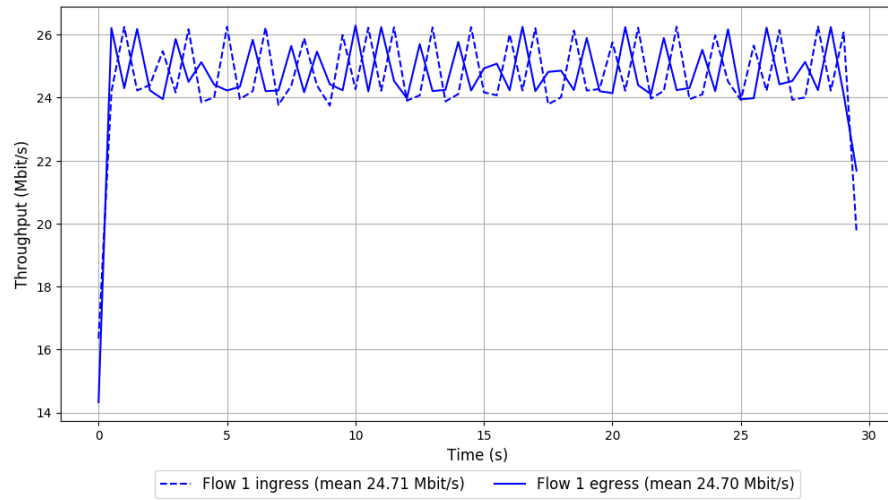# Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-01-02 01:32:58
End at: 2018-01-02 01:33:28
Local clock offset: 0.124 ms
Remote clock offset: -0.697 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 21.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 21.813 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 24.71 Mbit/s)   Flow 1 egress (mean 24.70 Mbit/s)

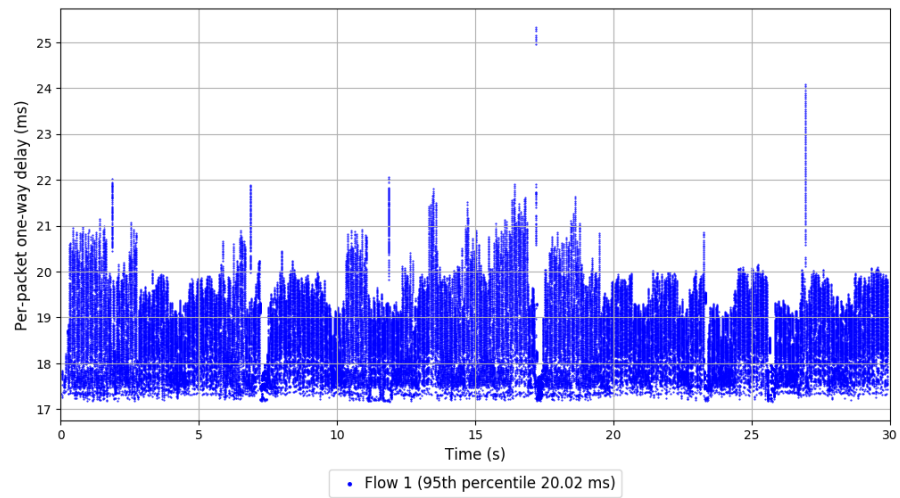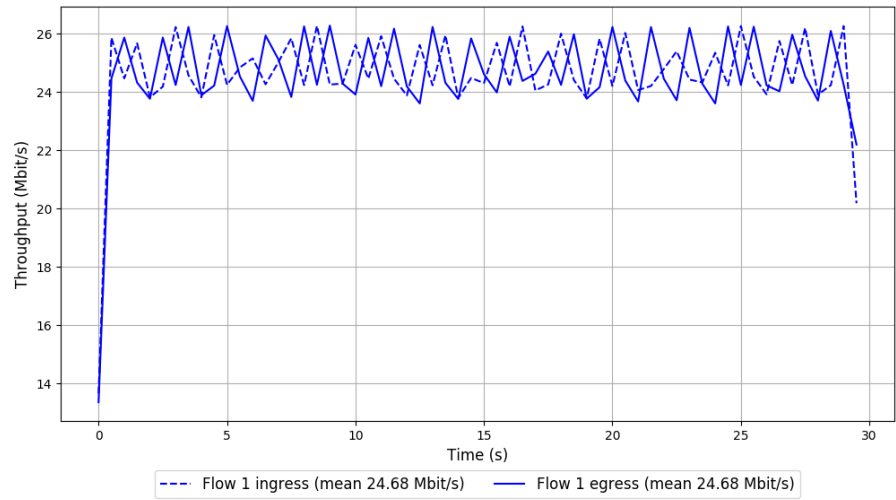• Flow 1 (95th percentile 21.81 ms)

```
Run 3: Statistics of Sprout

Start at: 2018-01-02 01:53:15
End at: 2018-01-02 01:53:45
Local clock offset: 0.086 ms
Remote clock offset: -1.268 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 20.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 20.021 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 24.68 Mbit/s) --- Flow 1 egress (mean 24.68 Mbit/s)

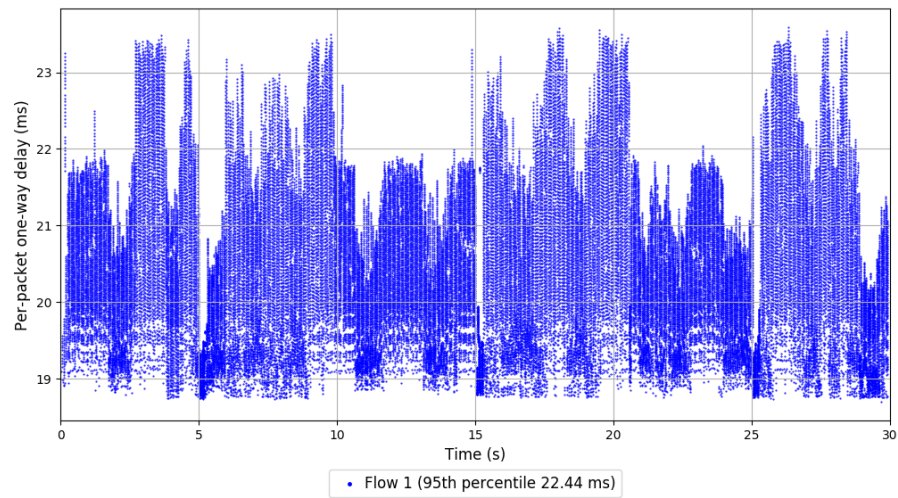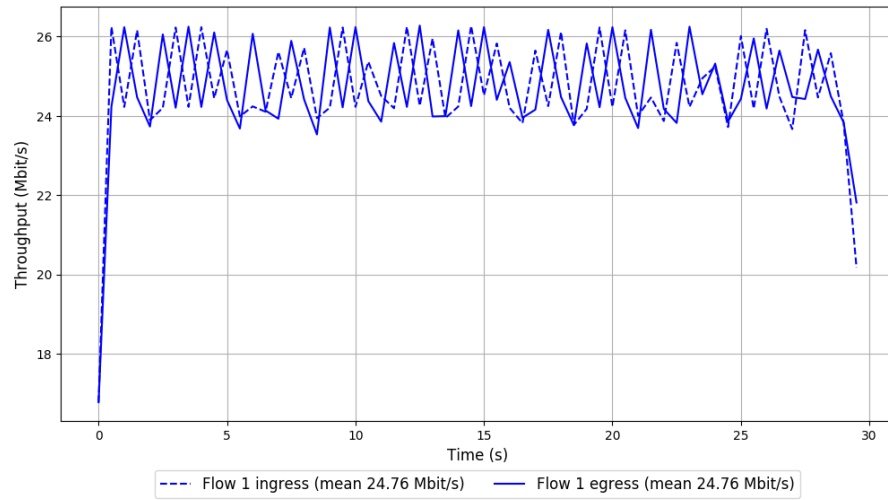Flow 1 (95th percentile 20.02 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-01-02 02:13:57
End at: 2018-01-02 02:14:27
Local clock offset: 0.326 ms
Remote clock offset: -1.278 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.436 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 24.76 Mbit/s)   Flow 1 egress (mean 24.76 Mbit/s)

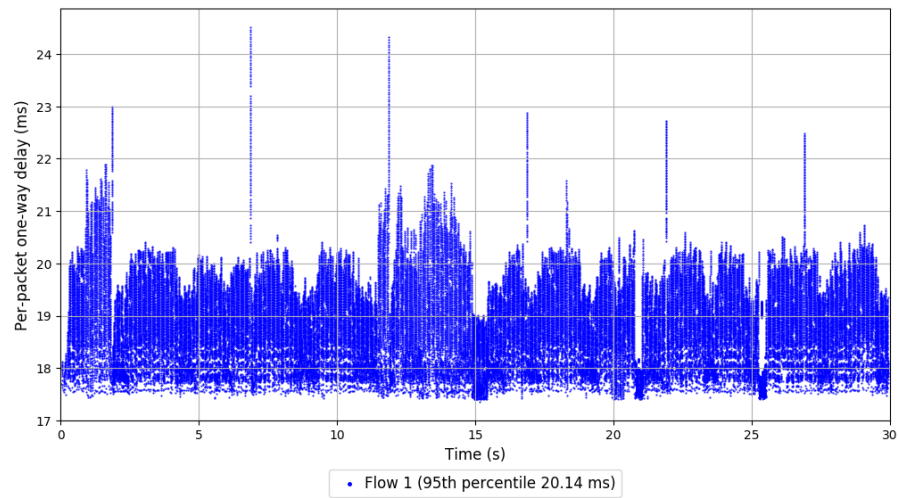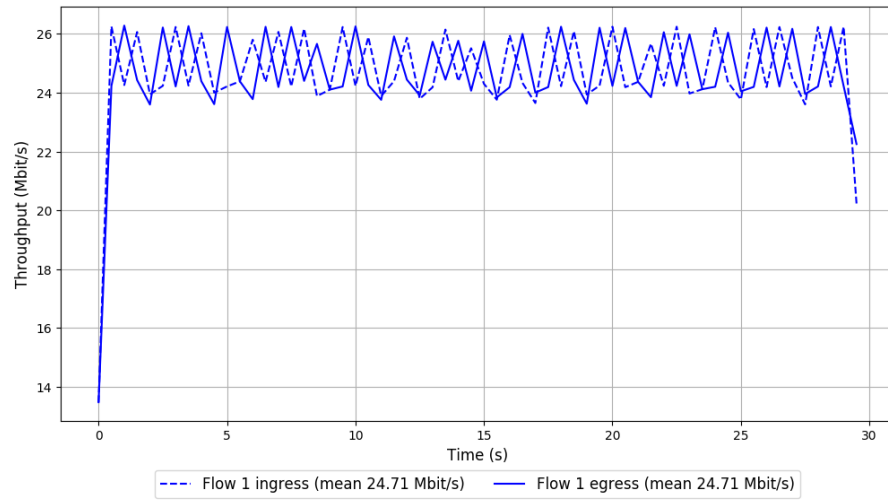• Flow 1 (95th percentile 22.44 ms)

```
Run 5: Statistics of Sprout

Start at: 2018-01-02 02:34:17
End at: 2018-01-02 02:34:47
Local clock offset: 0.608 ms
Remote clock offset: -1.014 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 20.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 20.143 ms
Loss rate: 0.00%
```

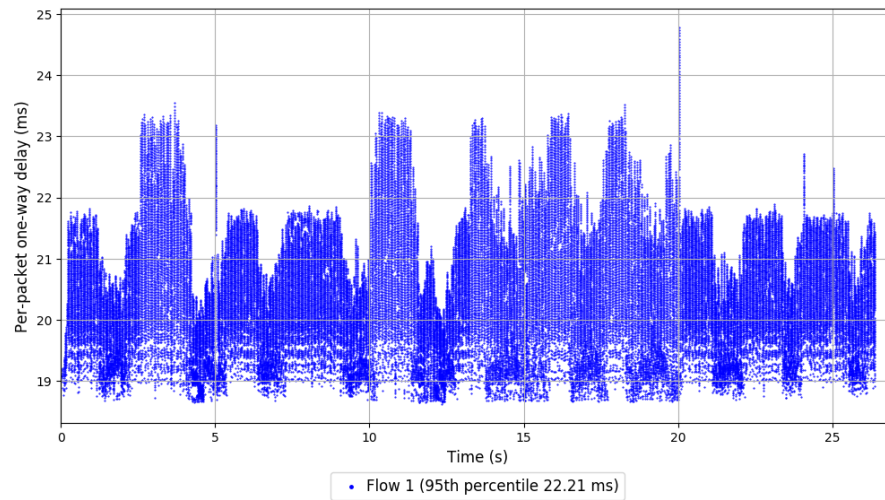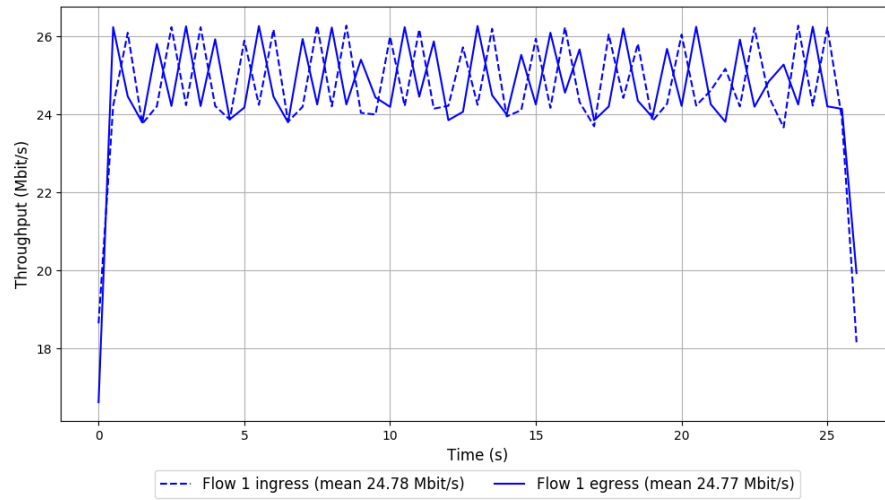Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2018-01-02 02:54:52
End at: 2018-01-02 02:55:22
Local clock offset: 0.877 ms
Remote clock offset: -1.179 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 22.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 22.210 ms
Loss rate: 0.00%
```

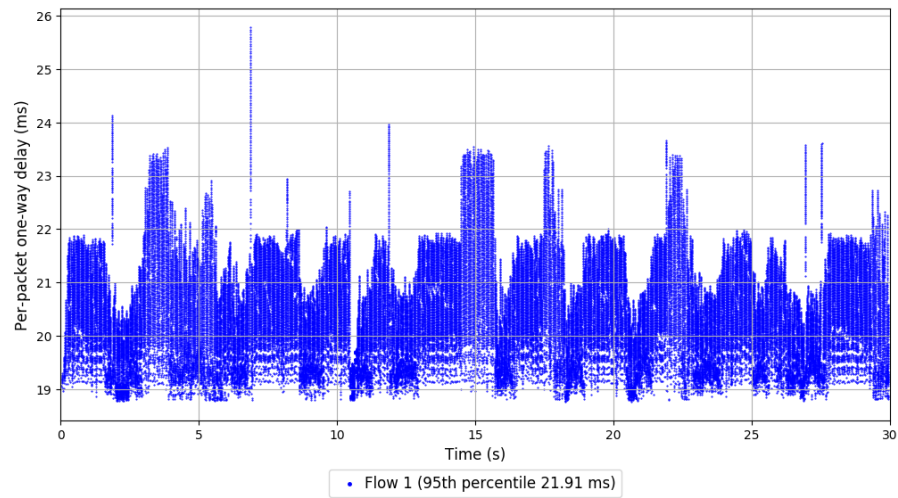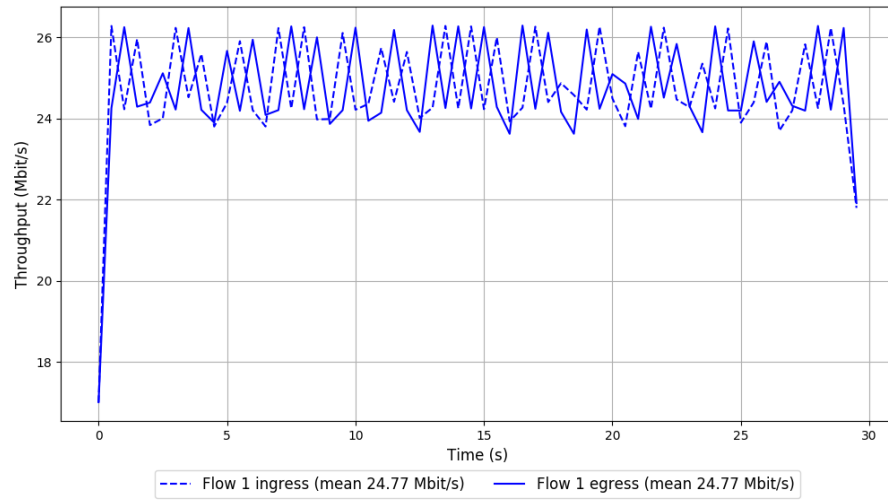## Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2018-01-02 03:15:24
End at: 2018-01-02 03:15:54
Local clock offset: 0.823 ms
Remote clock offset: -1.213 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 21.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 21.908 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 24.77 Mbit/s) ----   Flow 1 egress (mean 24.77 Mbit/s) ——

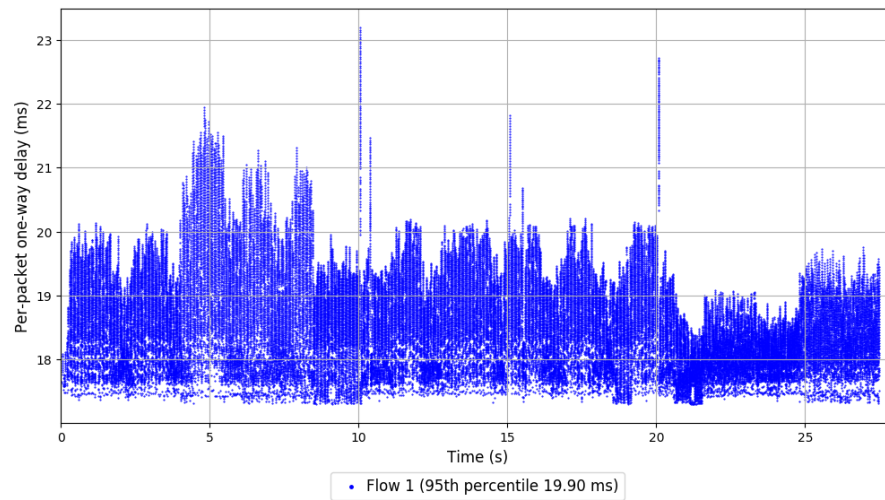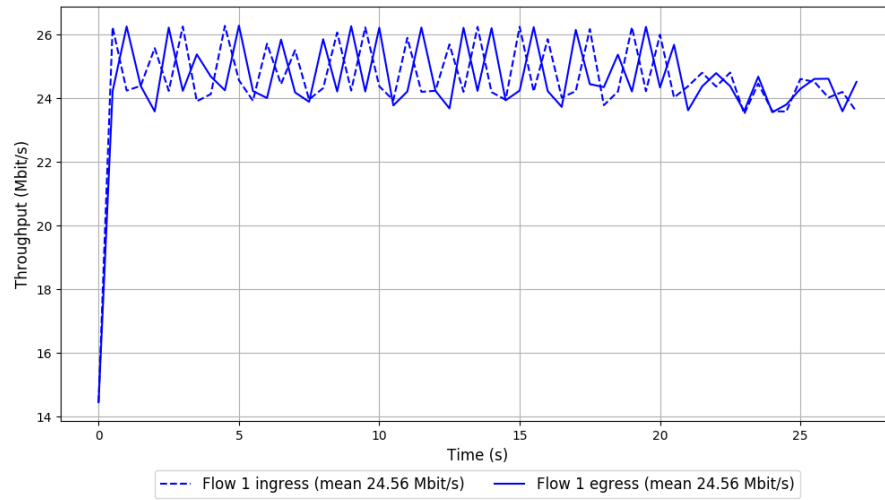
Flow 1 (95th percentile 21.91 ms)

```
Run 8: Statistics of Sprout

Start at: 2018-01-02 03:35:46
End at: 2018-01-02 03:36:16
Local clock offset: 0.981 ms
Remote clock offset: -1.659 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 19.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 19.902 ms
Loss rate: 0.00%
```

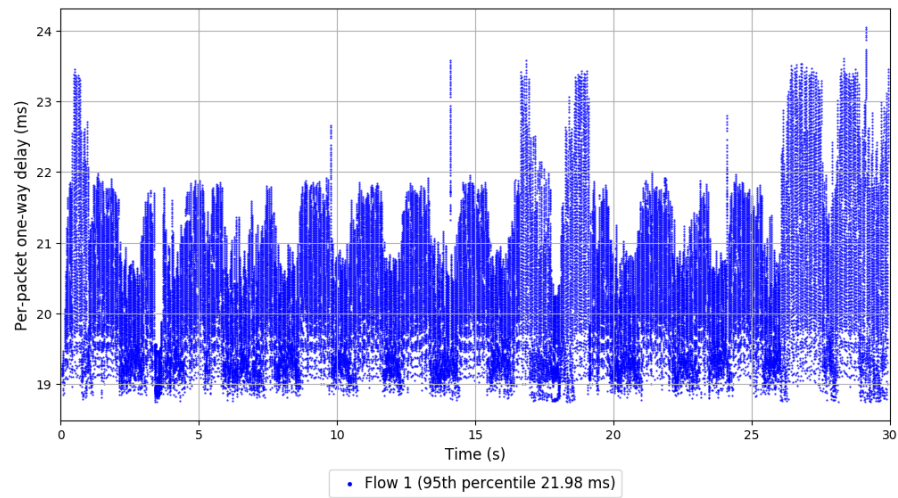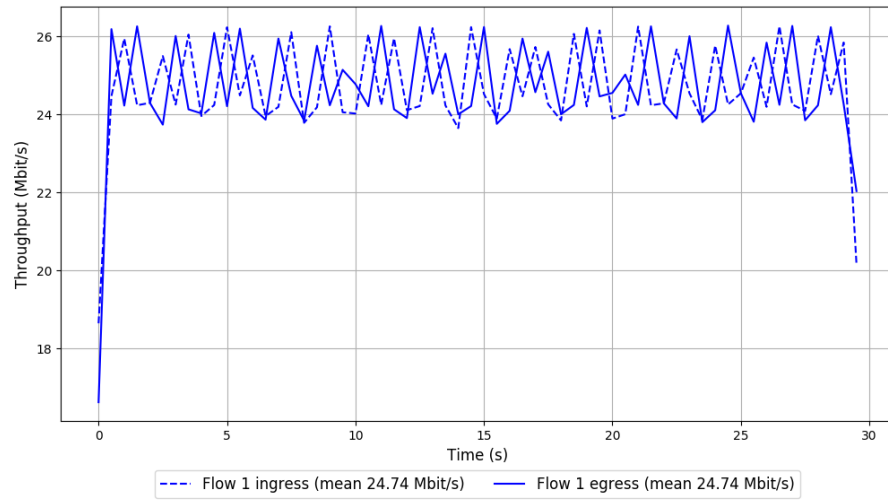Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-01-02 03:56:28
End at: 2018-01-02 03:56:58
Local clock offset: 1.05 ms
Remote clock offset: -2.073 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 21.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 21.984 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 24.74 Mbit/s) ---- Flow 1 egress (mean 24.74 Mbit/s)

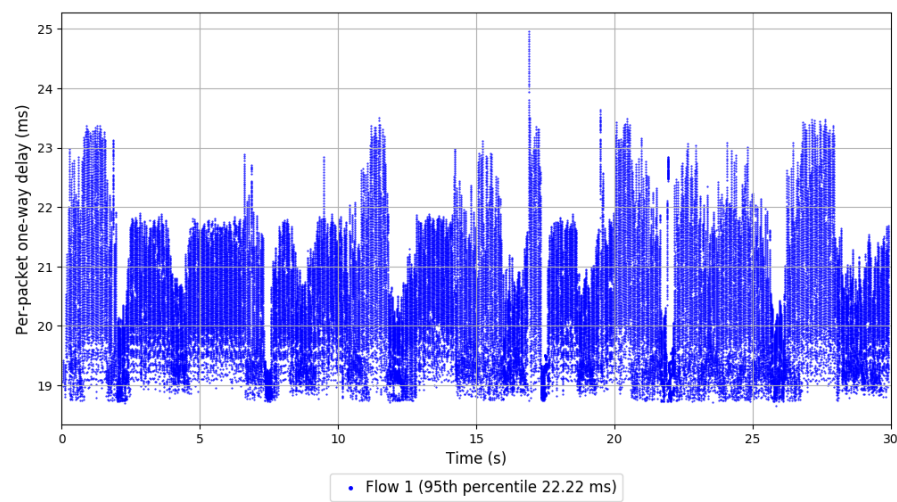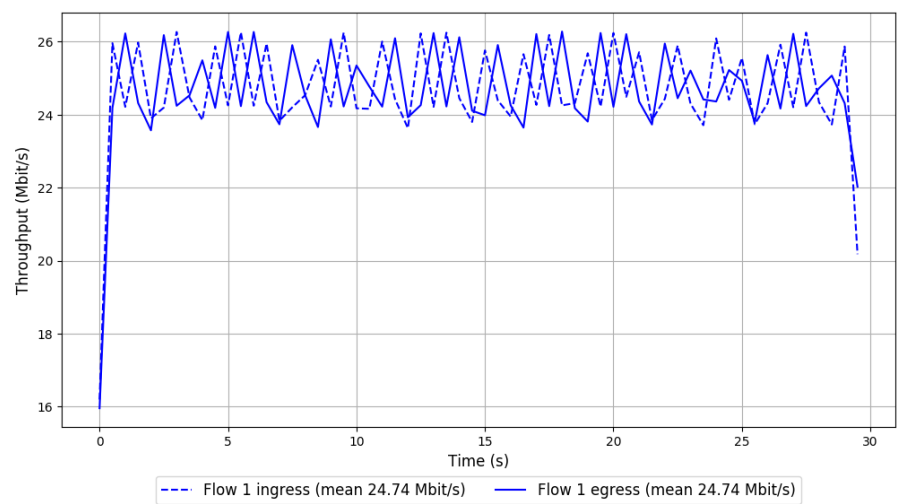Flow 1 (95th percentile 21.98 ms)

```
Run 10: Statistics of Sprout

Start at: 2018-01-02 04:17:09
End at: 2018-01-02 04:17:39
Local clock offset: 1.051 ms
Remote clock offset: -2.241 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.218 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link
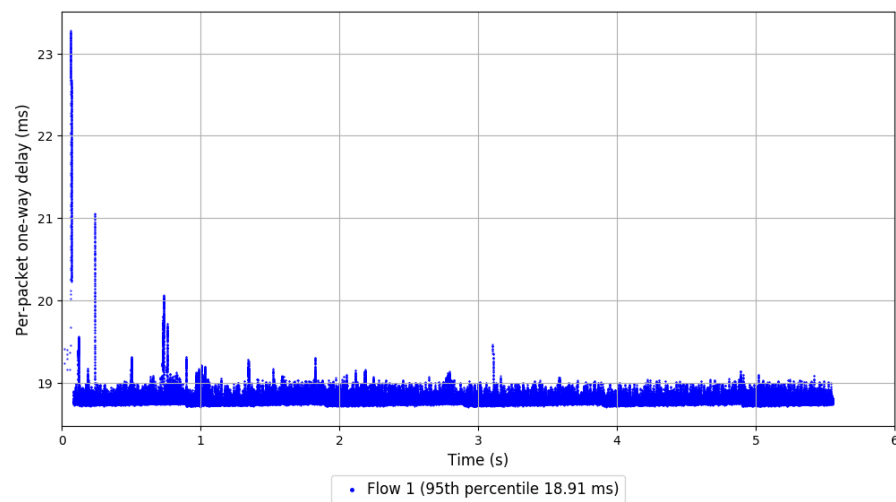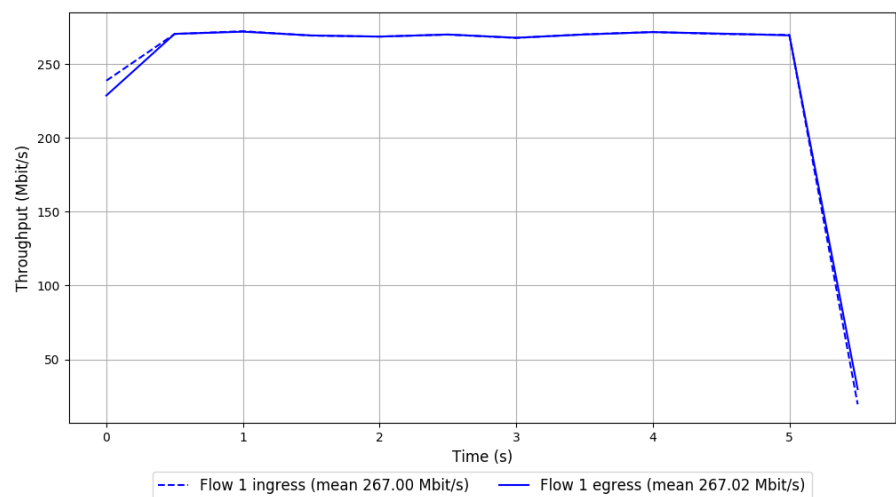
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-02 01:19:15
End at: 2018-01-02 01:19:45
Local clock offset: 0.083 ms
Remote clock offset: -0.667 ms

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

Flow 1 ingress (mean 267.00 Mbit/s) — Flow 1 egress (mean 267.02 Mbit/s)

Flow 1 (95th percentile 18.91 ms)

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

Start at: 2018-01-02 01:39:36
End at: 2018-01-02 01:40:06
Local clock offset: 0.114 ms
Remote clock offset: -0.905 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.42 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.42 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.00%
```
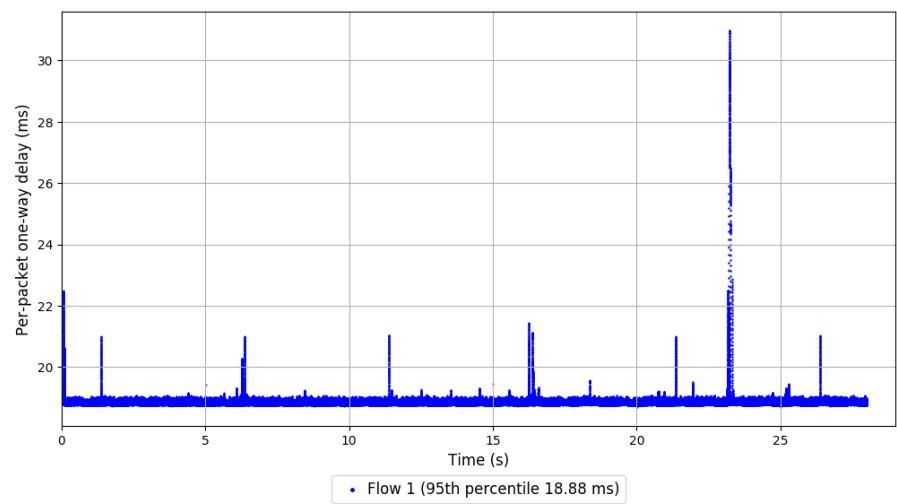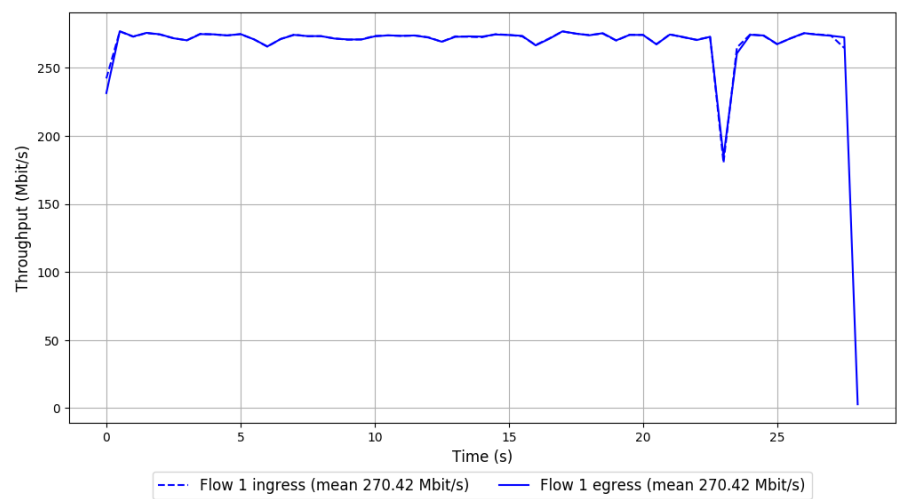
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 270.42 Mbit/s)   Flow 1 egress (mean 270.42 Mbit/s)

Flow 1 (95th percentile 18.88 ms)

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

Start at: 2018-01-02 01:59:59
End at: 2018-01-02 02:00:29
Local clock offset: 0.057 ms
Remote clock offset: -1.101 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.11 Mbit/s
95th percentile per-packet one-way delay: 17.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.11 Mbit/s
95th percentile per-packet one-way delay: 17.413 ms
Loss rate: 0.00%
```
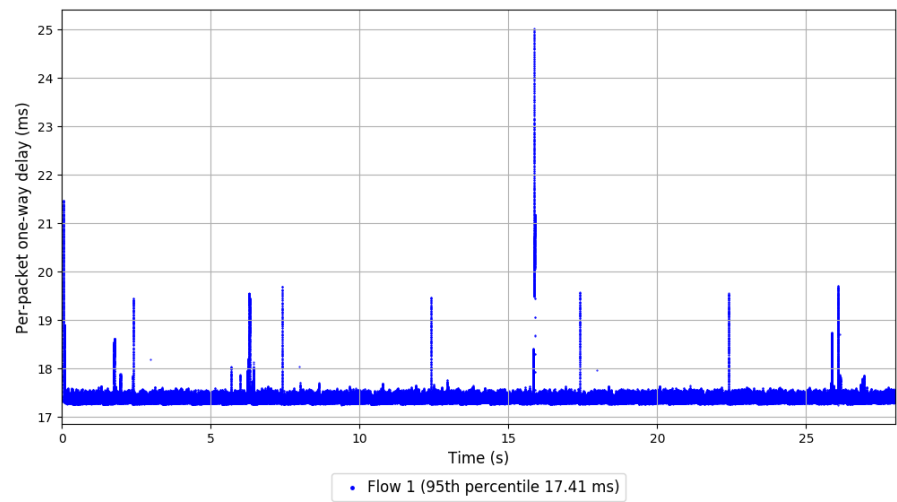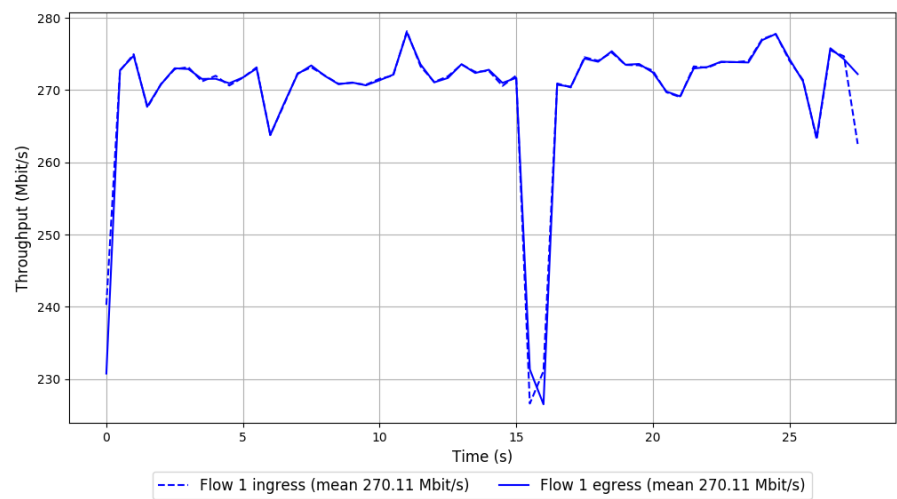
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 270.11 Mbit/s)   Flow 1 egress (mean 270.11 Mbit/s)

Flow 1 (95th percentile 17.41 ms)
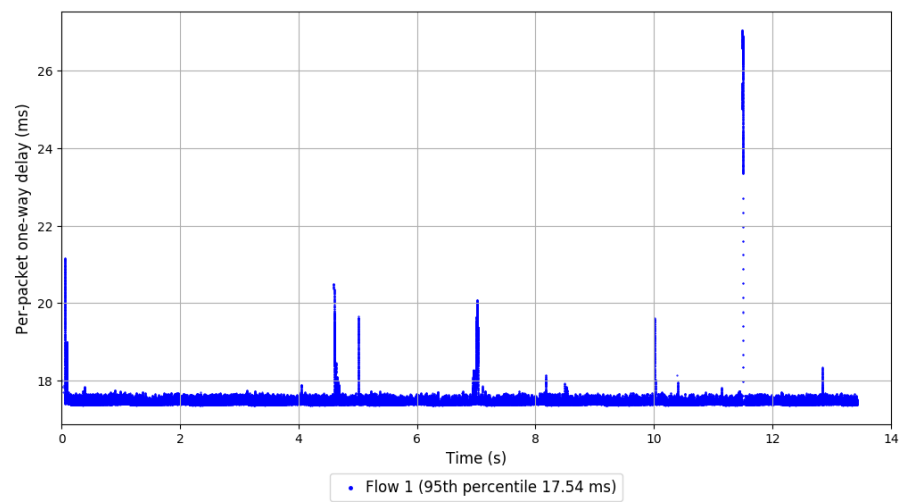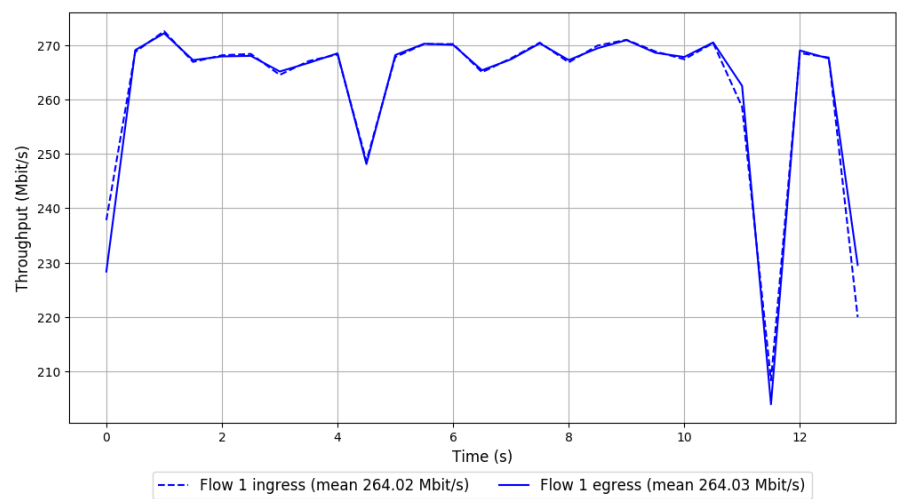
```
Run 4: Statistics of TaoVA-100x

Start at: 2018-01-02 02:20:35
End at: 2018-01-02 02:21:05
Local clock offset: 0.453 ms
Remote clock offset: -1.094 ms
```

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

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

Start at: 2018-01-02 02:41:02
End at: 2018-01-02 02:41:32
Local clock offset: 0.659 ms
Remote clock offset: -1.144 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.27 Mbit/s
95th percentile per-packet one-way delay: 18.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 269.27 Mbit/s
95th percentile per-packet one-way delay: 18.870 ms
Loss rate: 0.00%
```
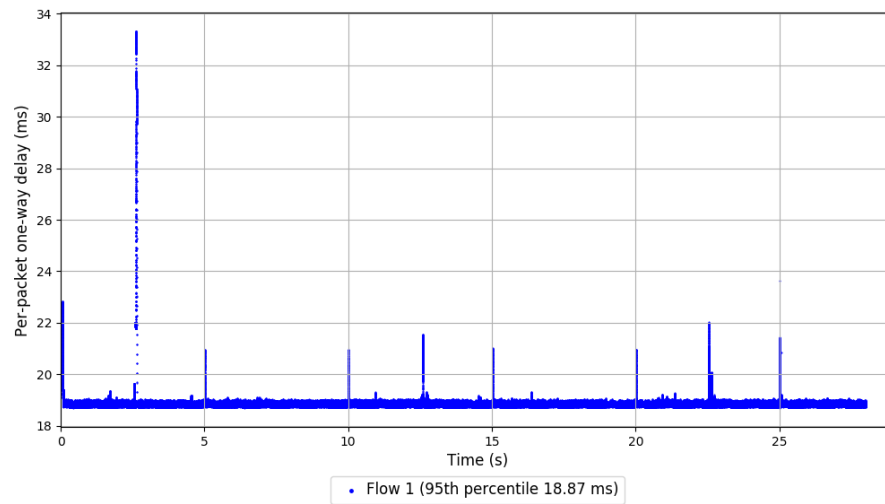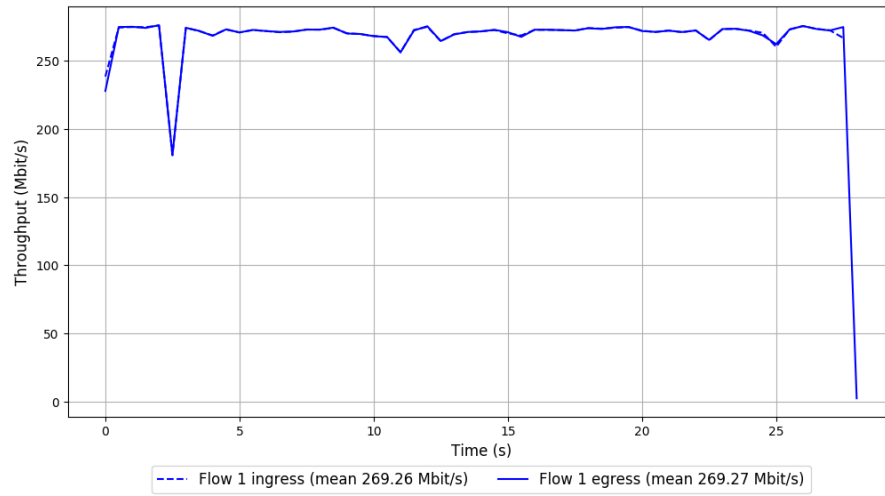
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 269.26 Mbit/s) — Flow 1 egress (mean 269.27 Mbit/s)

• Flow 1 (95th percentile 18.87 ms)

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

Start at: 2018-01-02 03:01:30
End at: 2018-01-02 03:02:00
Local clock offset: 0.816 ms
Remote clock offset: -1.217 ms


# Below is generated by plot.py at 2018-01-02 06:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 268.32 Mbit/s
95th percentile per-packet one-way delay: 18.835 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 268.32 Mbit/s
95th percentile per-packet one-way delay: 18.835 ms
Loss rate: 0.01%
```
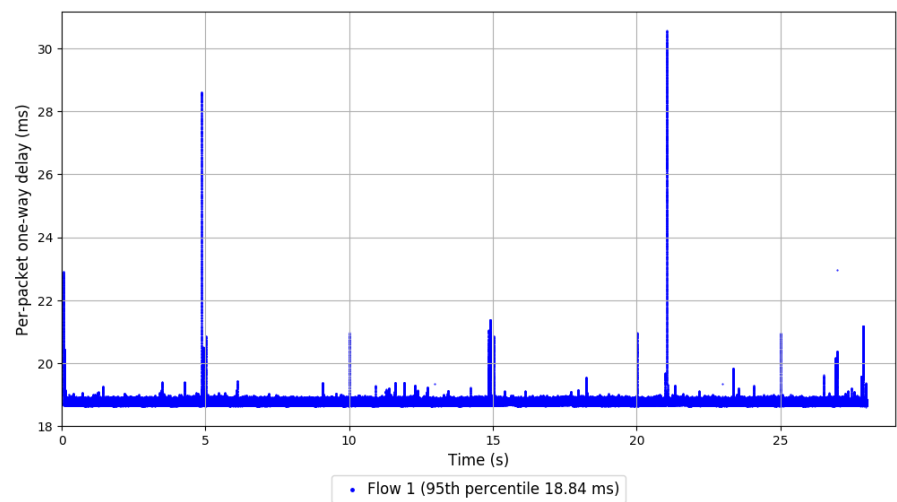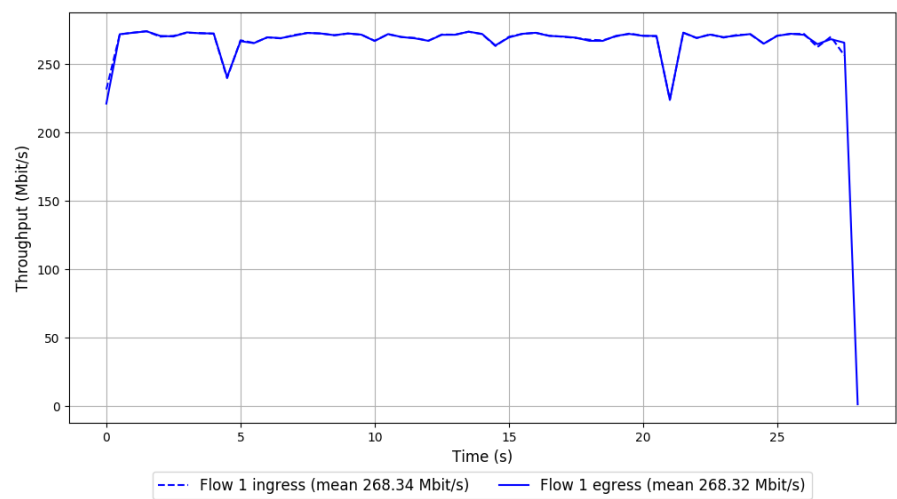
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 268.34 Mbit/s) — Flow 1 egress (mean 268.32 Mbit/s)

• Flow 1 (95th percentile 18.84 ms)
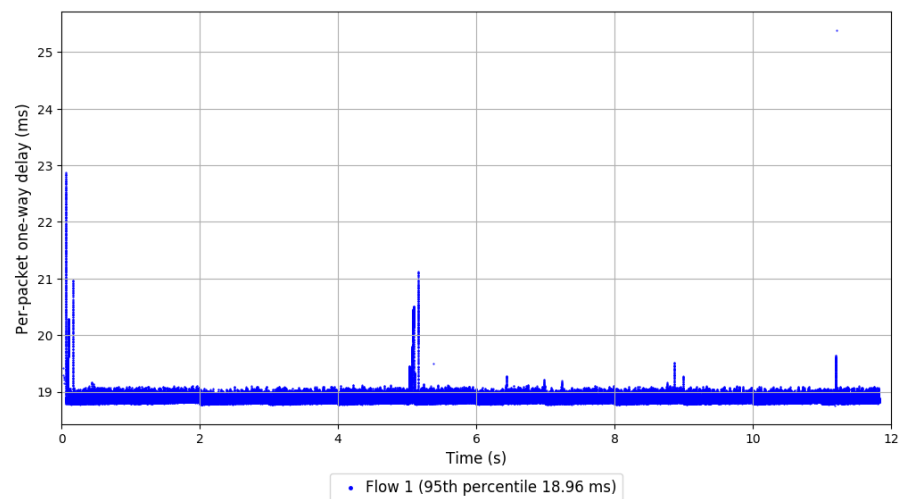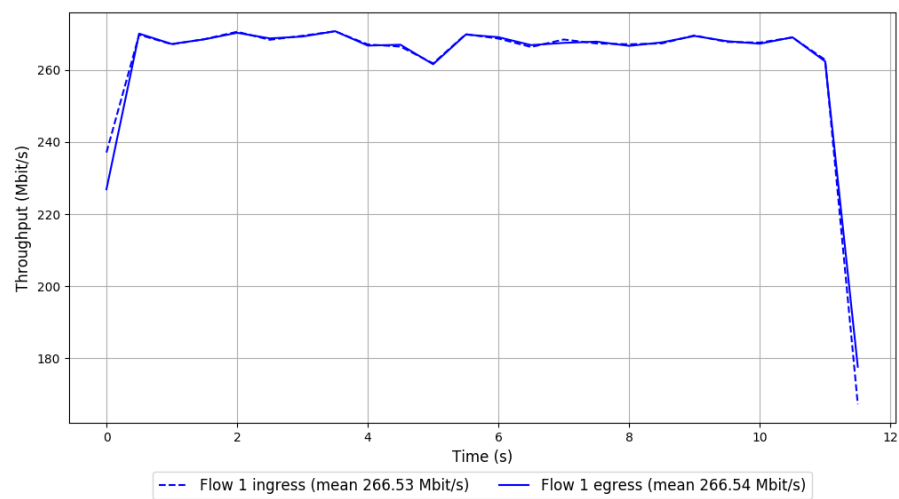
```
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-02 03:22:04
End at: 2018-01-02 03:22:34
Local clock offset: 0.867 ms
Remote clock offset: -1.333 ms
```

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

Flow 1 ingress (mean 266.53 Mbit/s) — — — Flow 1 egress (mean 266.54 Mbit/s)

Flow 1 (95th percentile 18.96 ms)

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

Start at: 2018-01-02 03:42:22
End at: 2018-01-02 03:42:52
Local clock offset: 0.956 ms
Remote clock offset: -1.831 ms


# Below is generated by plot.py at 2018-01-02 06:41:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.65 Mbit/s
95th percentile per-packet one-way delay: 18.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 273.65 Mbit/s
95th percentile per-packet one-way delay: 18.891 ms
Loss rate: 0.00%
```
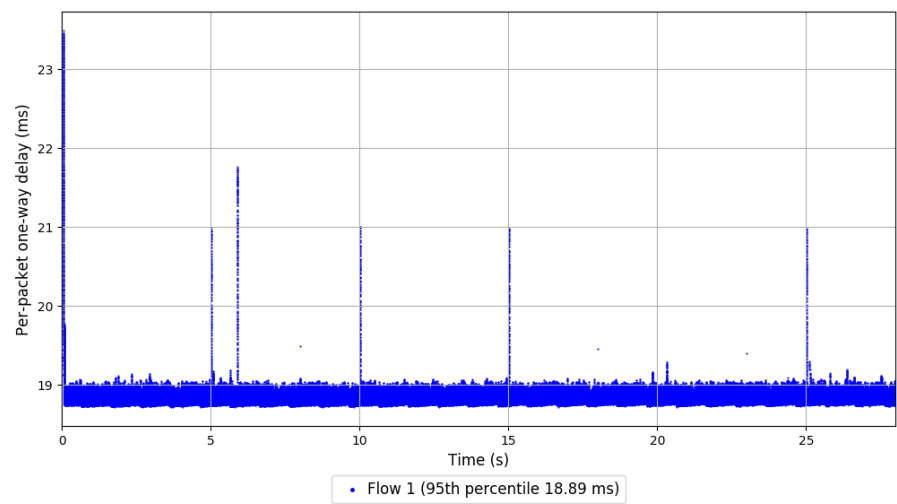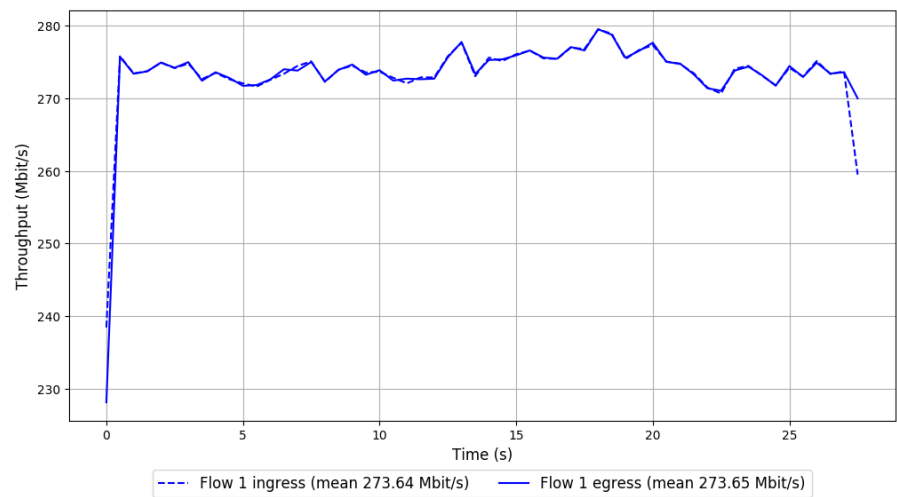
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 273.64 Mbit/s) --- Flow 1 egress (mean 273.65 Mbit/s)

Flow 1 (95th percentile 18.89 ms)
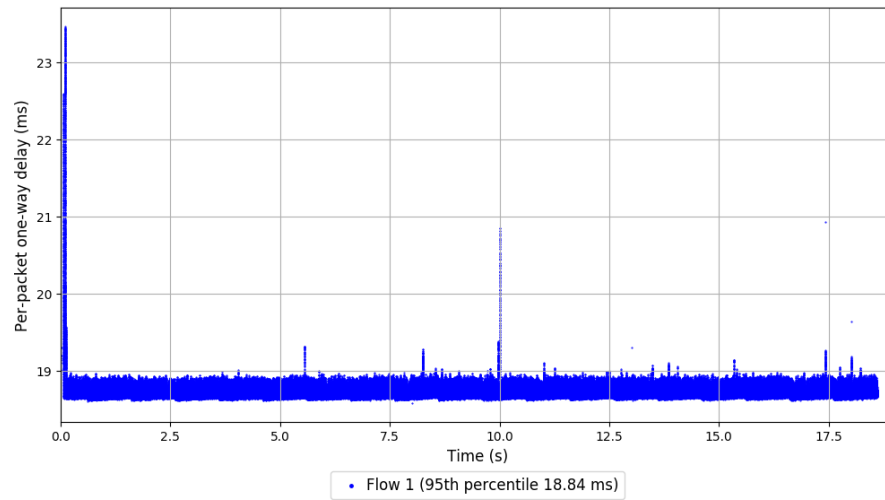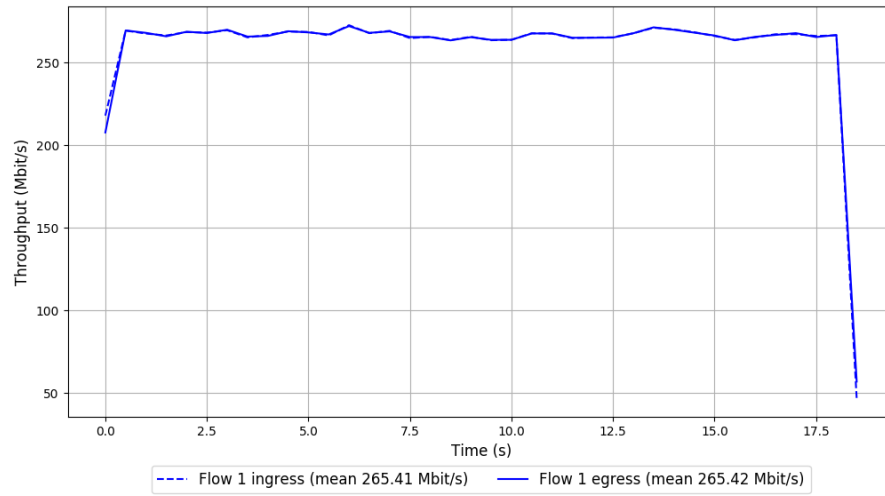
```
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-02 04:03:10
End at: 2018-01-02 04:03:40
Local clock offset: 1.13 ms
Remote clock offset: -2.231 ms
```

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

Flow 1 ingress (mean 265.41 Mbit/s) --- Flow 1 egress (mean 265.42 Mbit/s)

Flow 1 (95th percentile 18.84 ms)
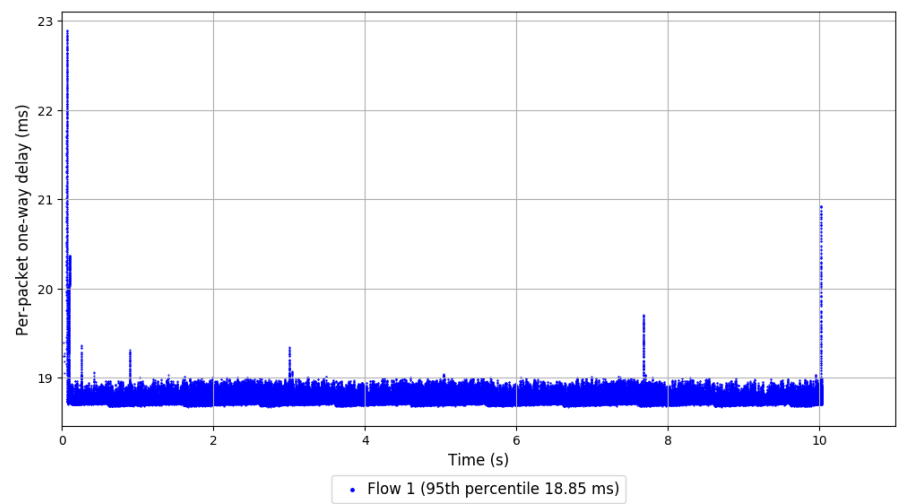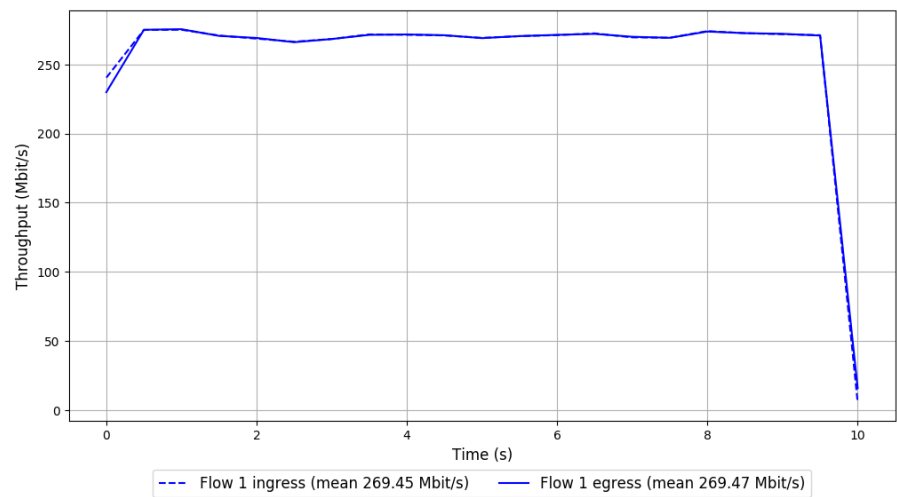
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-02 04:23:41
End at: 2018-01-02 04:24:11
Local clock offset: 1.062 ms
Remote clock offset: -2.165 ms

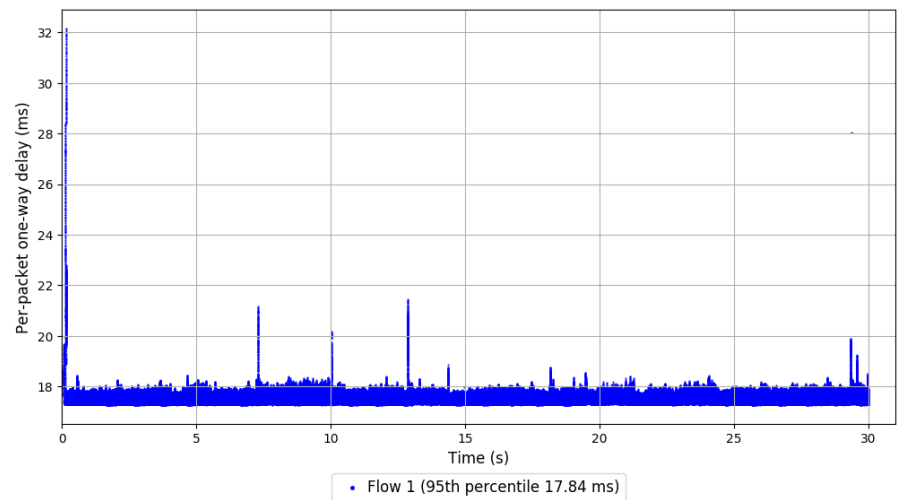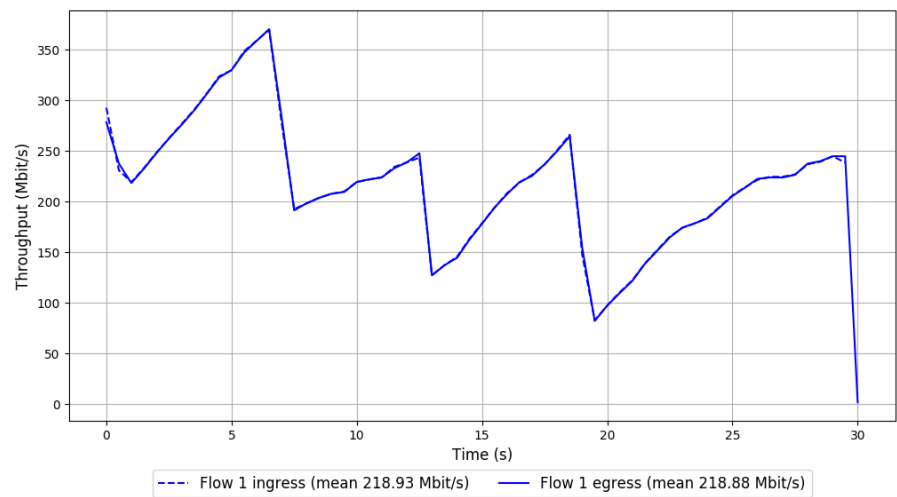# Run 10: Report of TaoVA-100x — Data Link

```
Run 1: Statistics of TCP Vegas

Start at: 2018-01-02 01:09:47
End at: 2018-01-02 01:10:17
Local clock offset: -0.154 ms
Remote clock offset: -0.856 ms

# Below is generated by plot.py at 2018-01-02 06:42:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.88 Mbit/s
95th percentile per-packet one-way delay: 17.844 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 218.88 Mbit/s
95th percentile per-packet one-way delay: 17.844 ms
Loss rate: 0.02%
```

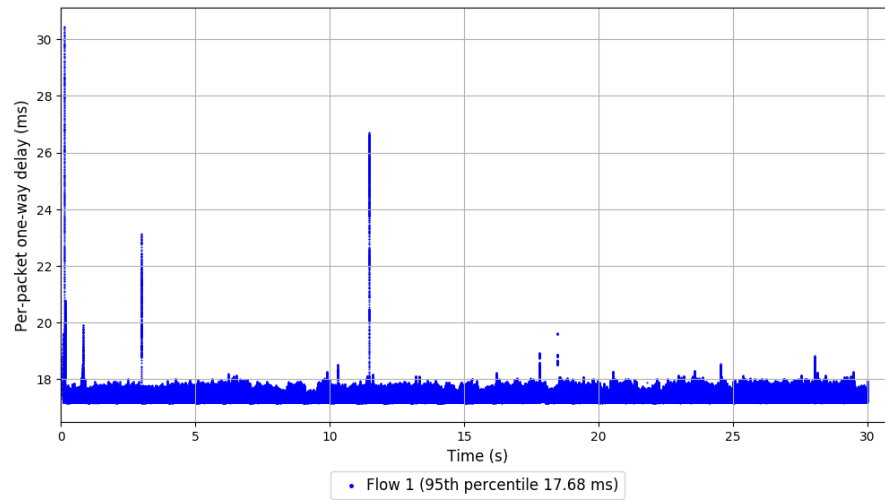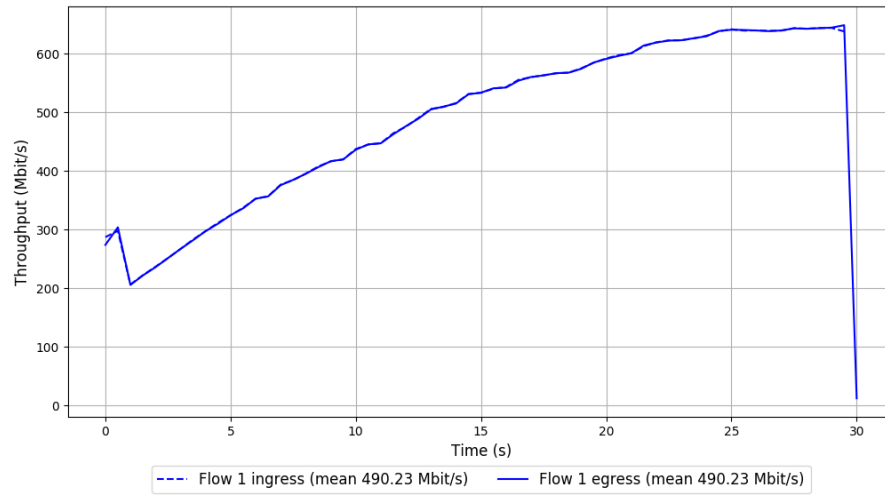## Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-01-02 01:29:49
End at: 2018-01-02 01:30:19
Local clock offset: 0.207 ms
Remote clock offset: -0.699 ms


# Below is generated by plot.py at 2018-01-02 06:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 490.23 Mbit/s
95th percentile per-packet one-way delay: 17.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 490.23 Mbit/s
95th percentile per-packet one-way delay: 17.680 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 490.23 Mbit/s) —— Flow 1 egress (mean 490.23 Mbit/s)

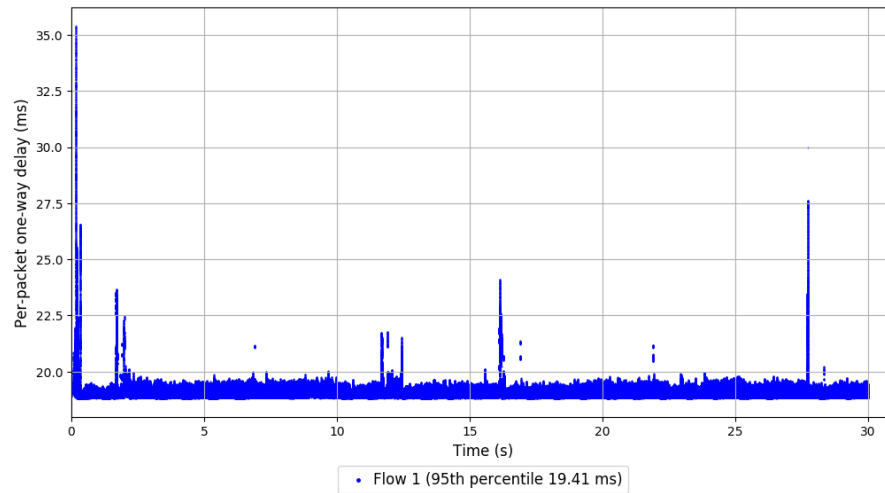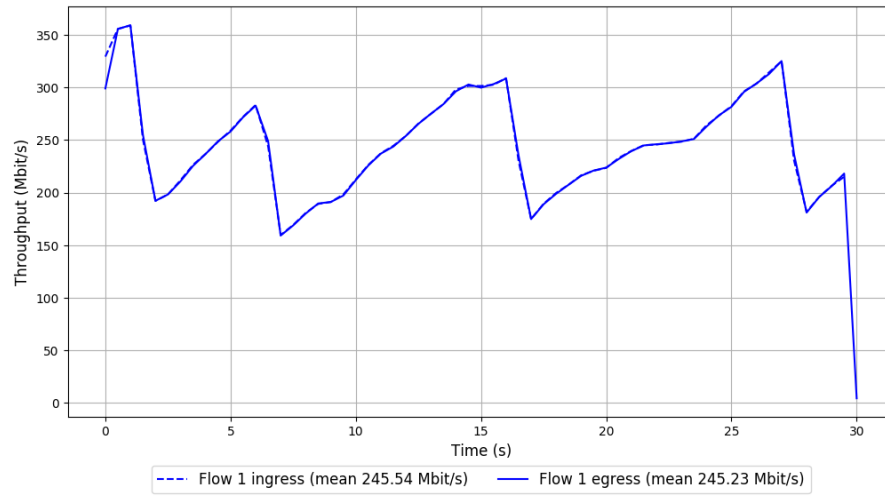

• Flow 1 (95th percentile 17.68 ms)

```
Run 3: Statistics of TCP Vegas

Start at: 2018-01-02 01:50:15
End at: 2018-01-02 01:50:45
Local clock offset: 0.001 ms
Remote clock offset: -1.097 ms


# Below is generated by plot.py at 2018-01-02 06:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 245.23 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 245.23 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.13%
```

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 245.54 Mbit/s) — Flow 1 egress (mean 245.23 Mbit/s)
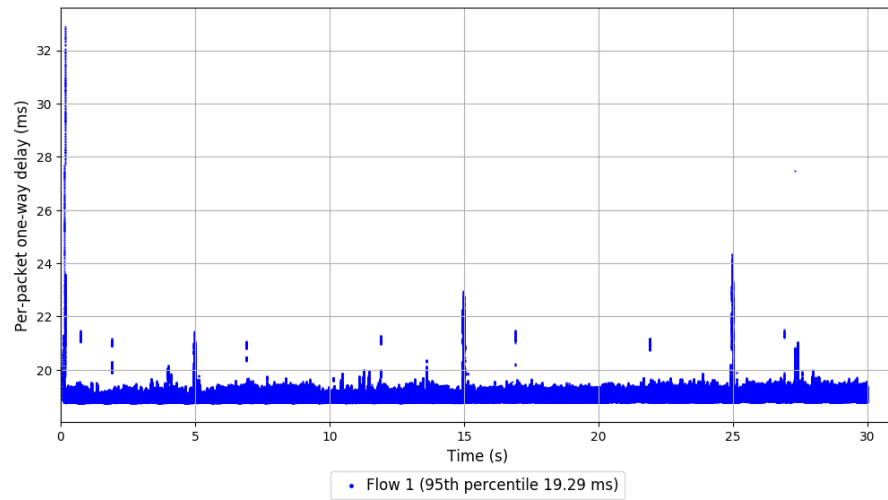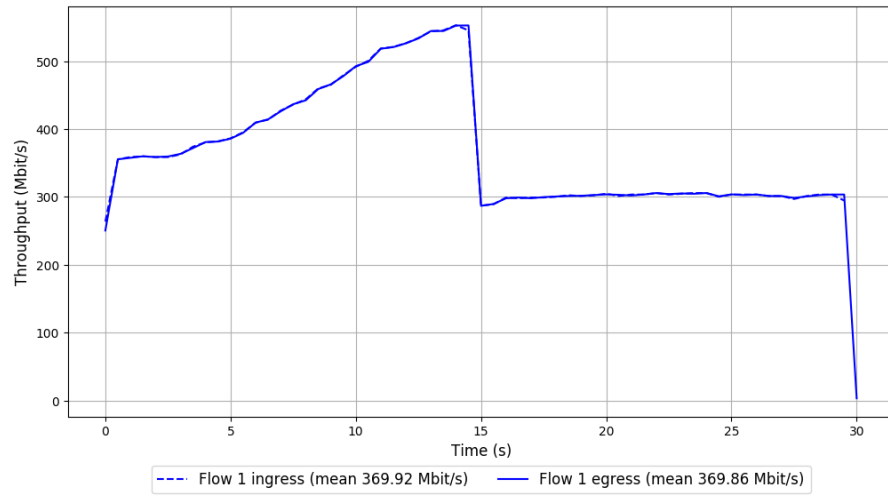

Flow 1 (95th percentile 19.41 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-01-02 02:10:52
End at: 2018-01-02 02:11:22
Local clock offset: 0.26 ms
Remote clock offset: -1.229 ms


# Below is generated by plot.py at 2018-01-02 06:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 369.86 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 369.86 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 369.92 Mbit/s)   Flow 1 egress (mean 369.86 Mbit/s)
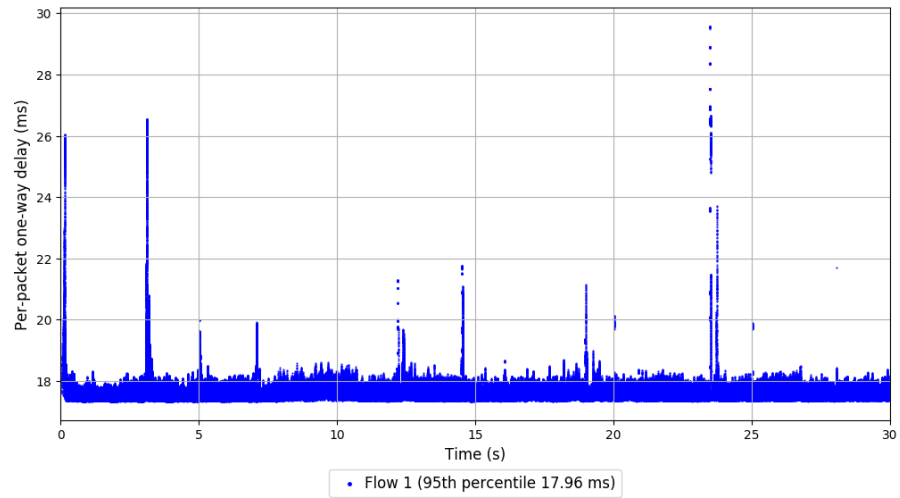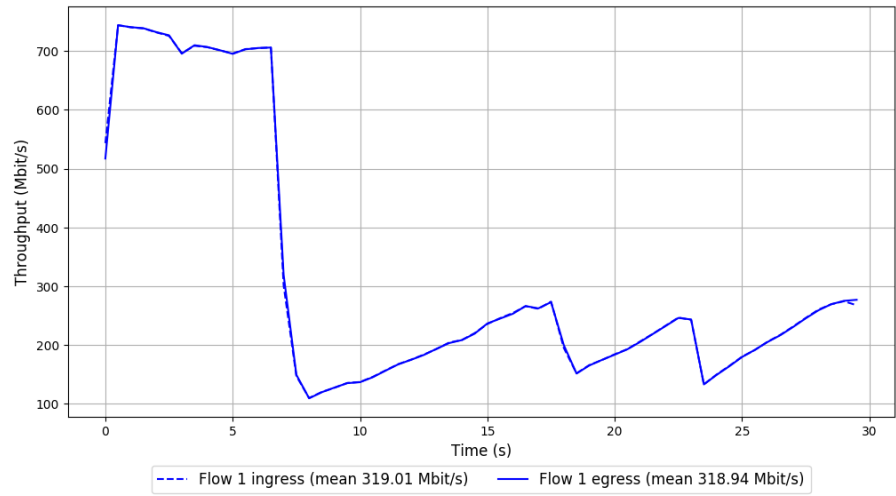

Flow 1 (95th percentile 19.29 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2018-01-02 02:31:14
End at: 2018-01-02 02:31:44
Local clock offset: 0.595 ms
Remote clock offset: -1.032 ms


# Below is generated by plot.py at 2018-01-02 06:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.94 Mbit/s
95th percentile per-packet one-way delay: 17.956 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 318.94 Mbit/s
95th percentile per-packet one-way delay: 17.956 ms
Loss rate: 0.02%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 319.01 Mbit/s) —— Flow 1 egress (mean 318.94 Mbit/s)
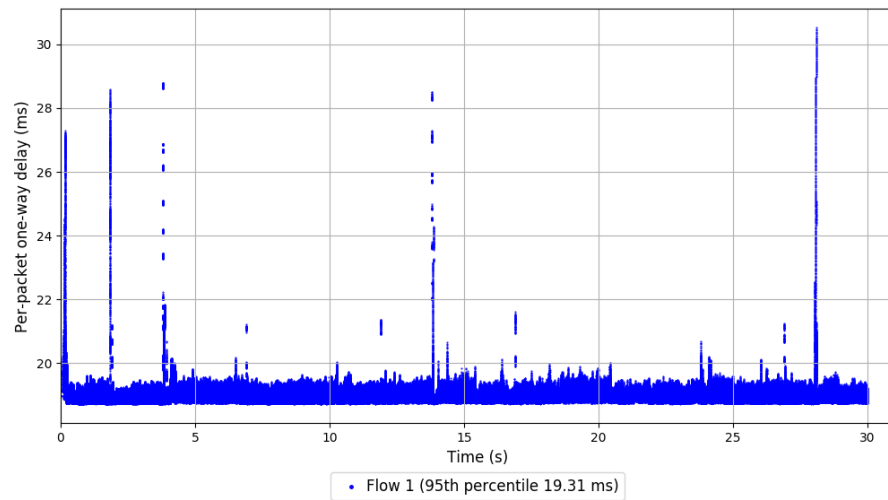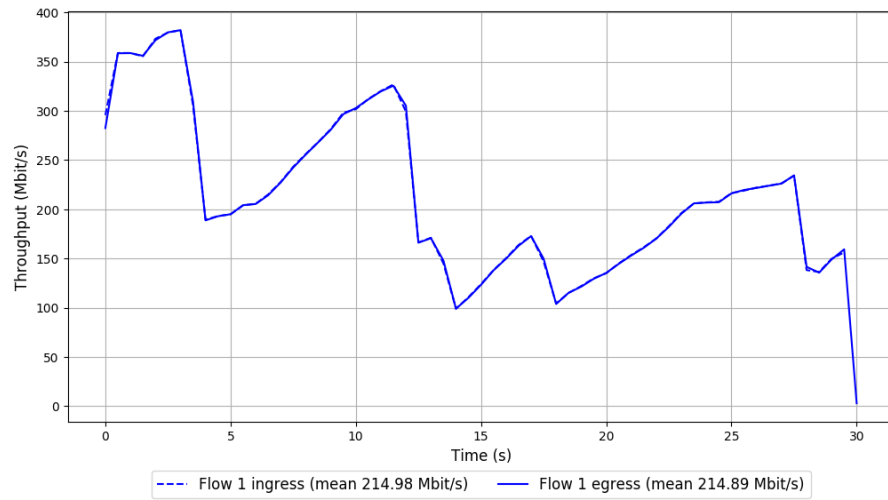

• Flow 1 (95th percentile 17.96 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-01-02 02:51:53
End at: 2018-01-02 02:52:23
Local clock offset: 0.756 ms
Remote clock offset: -1.176 ms


# Below is generated by plot.py at 2018-01-02 06:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.89 Mbit/s
95th percentile per-packet one-way delay: 19.306 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 214.89 Mbit/s
95th percentile per-packet one-way delay: 19.306 ms
Loss rate: 0.04%
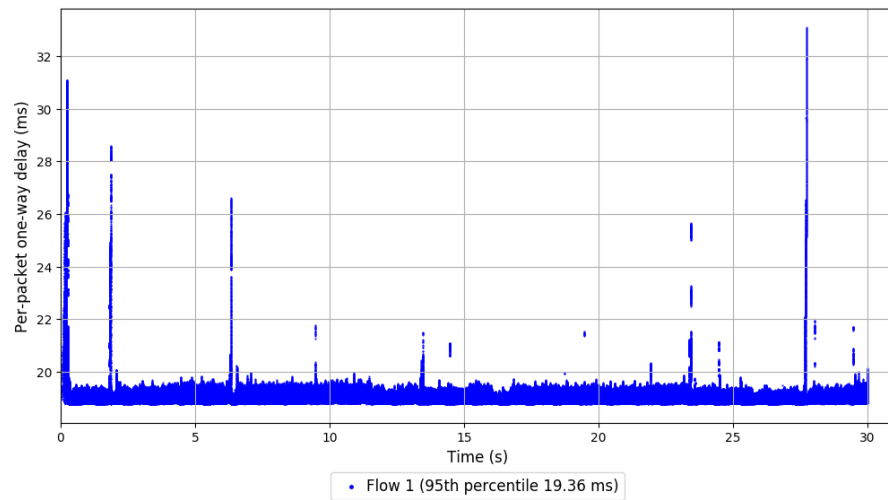```

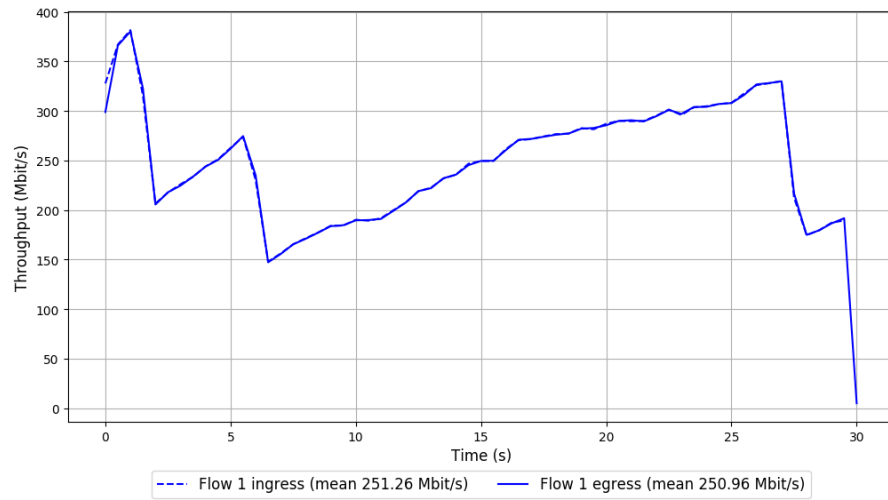Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2018-01-02 03:12:23
End at: 2018-01-02 03:12:53
Local clock offset: 0.812 ms
Remote clock offset: -1.125 ms

Below is generated by plot.py at 2018-01-02 06:46:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.96 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 250.96 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.12%
```
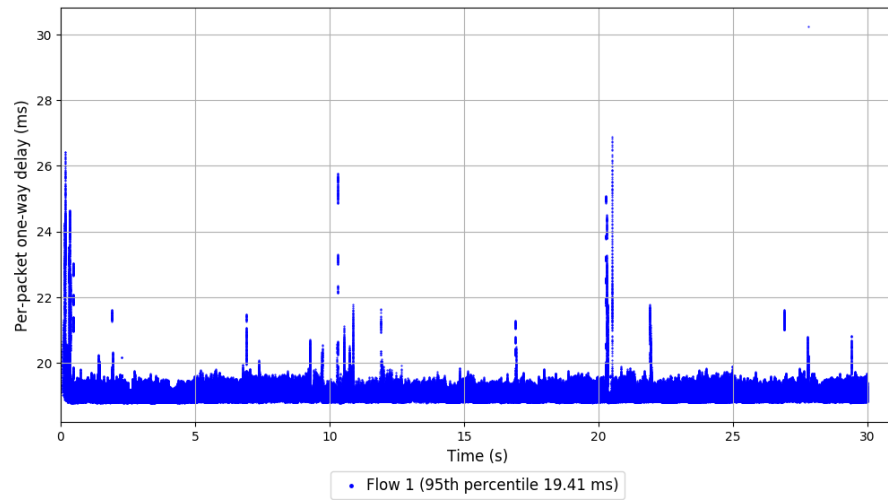
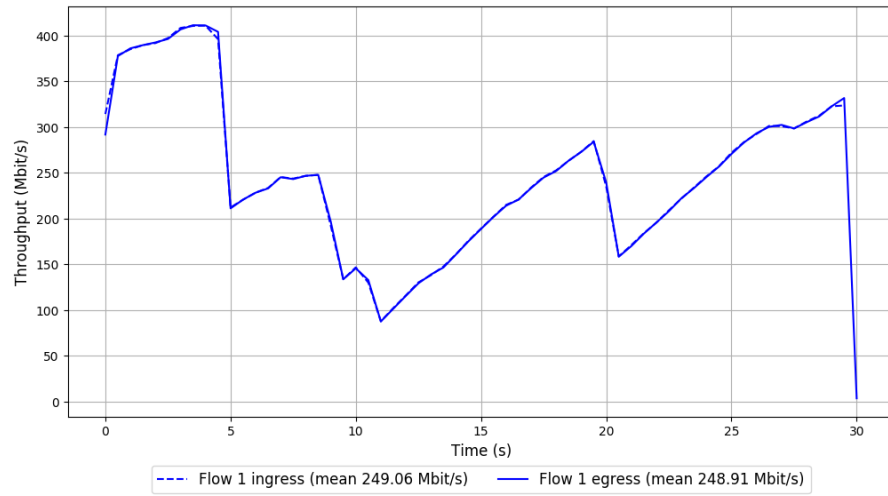Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2018-01-02 03:32:46
End at: 2018-01-02 03:33:17
Local clock offset: 0.907 ms
Remote clock offset: -1.568 ms


# Below is generated by plot.py at 2018-01-02 06:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.91 Mbit/s
95th percentile per-packet one-way delay: 19.408 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 248.91 Mbit/s
95th percentile per-packet one-way delay: 19.408 ms
Loss rate: 0.06%
```

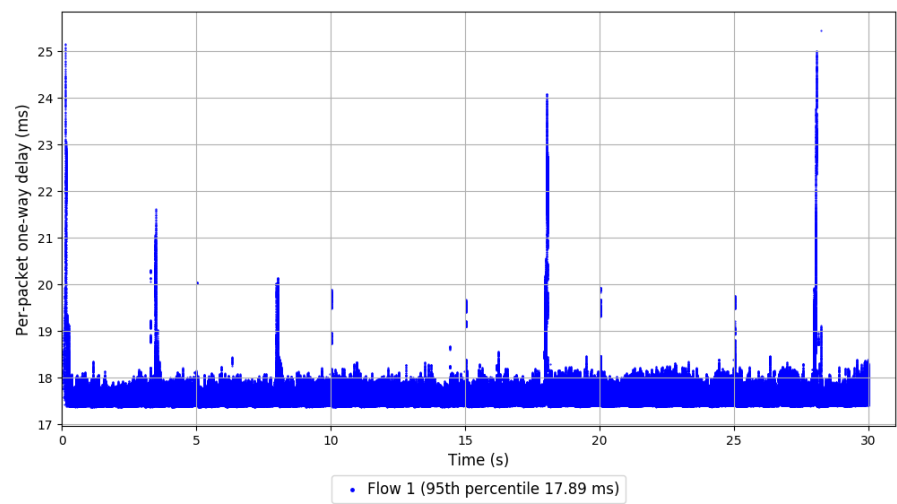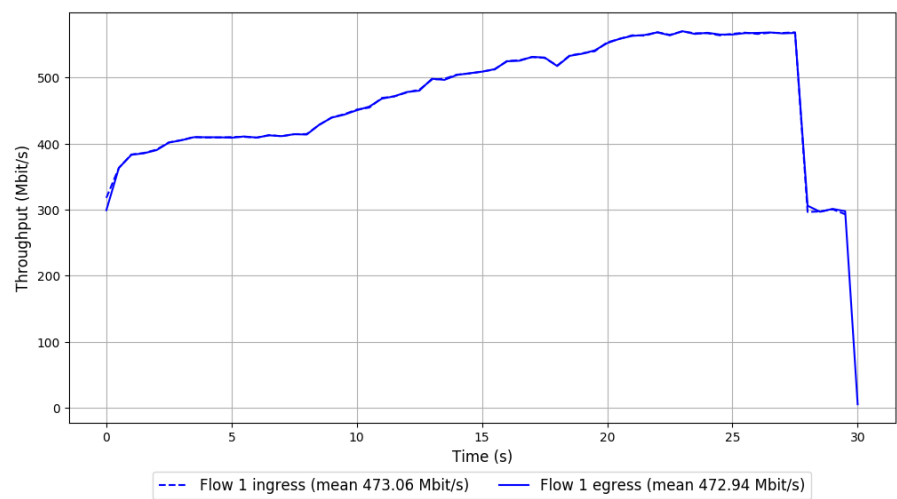Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: 2018-01-02 03:53:19
End at: 2018-01-02 03:53:49
Local clock offset: 0.989 ms
Remote clock offset: -2.009 ms


# Below is generated by plot.py at 2018-01-02 06:48:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 472.94 Mbit/s
95th percentile per-packet one-way delay: 17.889 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 472.94 Mbit/s
95th percentile per-packet one-way delay: 17.889 ms
Loss rate: 0.03%
```

Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2018-01-02 04:14:05
End at: 2018-01-02 04:14:35
Local clock offset: 1.062 ms
Remote clock offset: -2.192 ms


# Below is generated by plot.py at 2018-01-02 06:48:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 357.84 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 357.84 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.03%
```
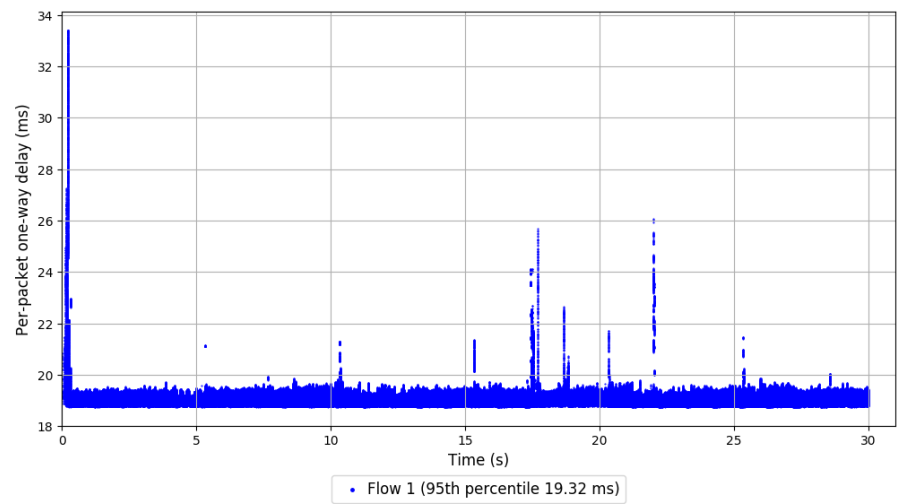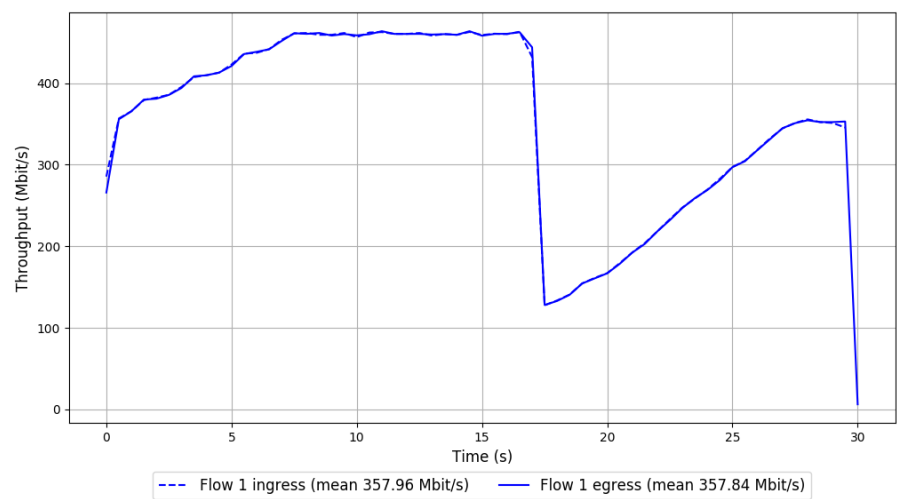
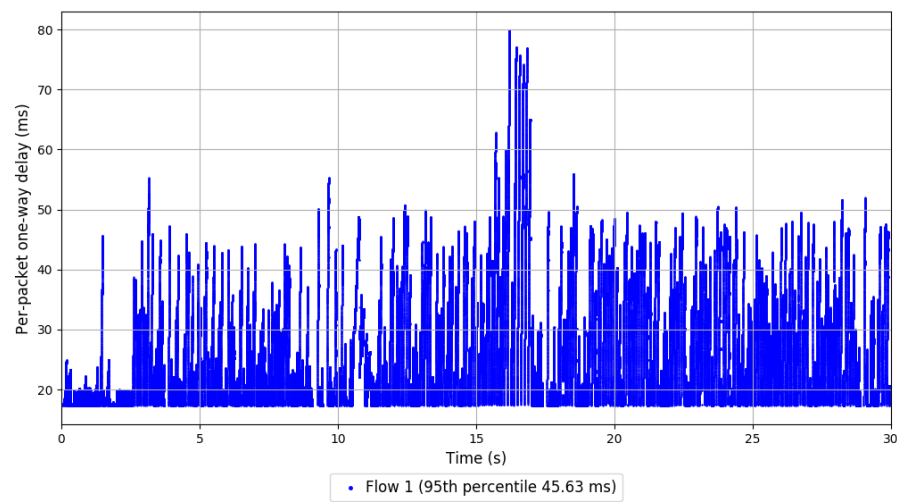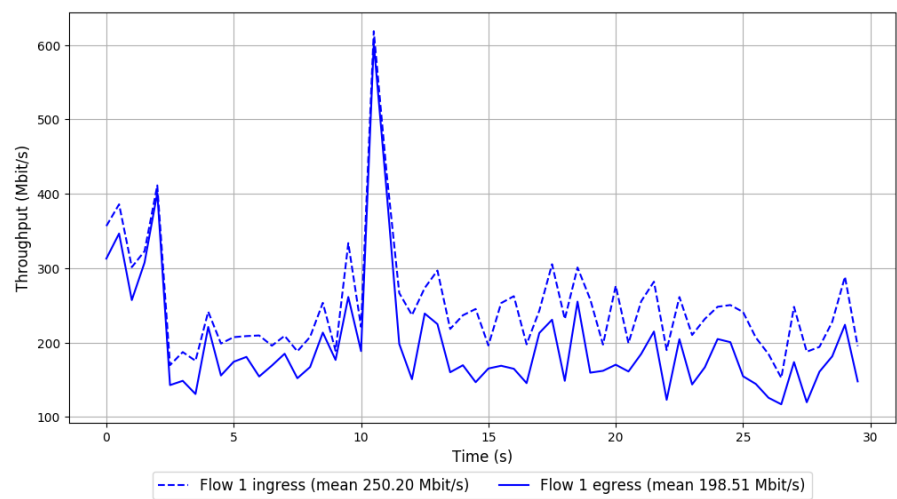Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2018-01-02 01:15:14
End at: 2018-01-02 01:15:44
Local clock offset: 0.035 ms
Remote clock offset: -0.701 ms


# Below is generated by plot.py at 2018-01-02 06:48:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.51 Mbit/s
95th percentile per-packet one-way delay: 45.633 ms
Loss rate: 20.65%
-- Flow 1:
Average throughput: 198.51 Mbit/s
95th percentile per-packet one-way delay: 45.633 ms
Loss rate: 20.65%
```
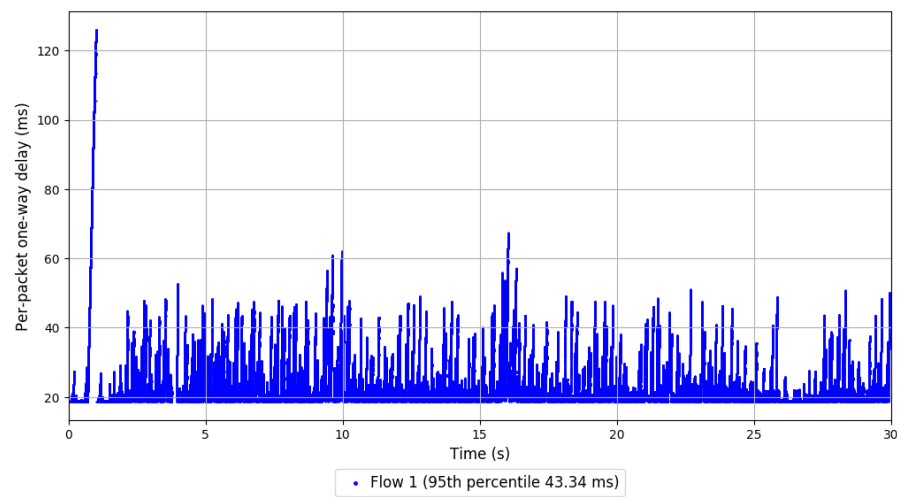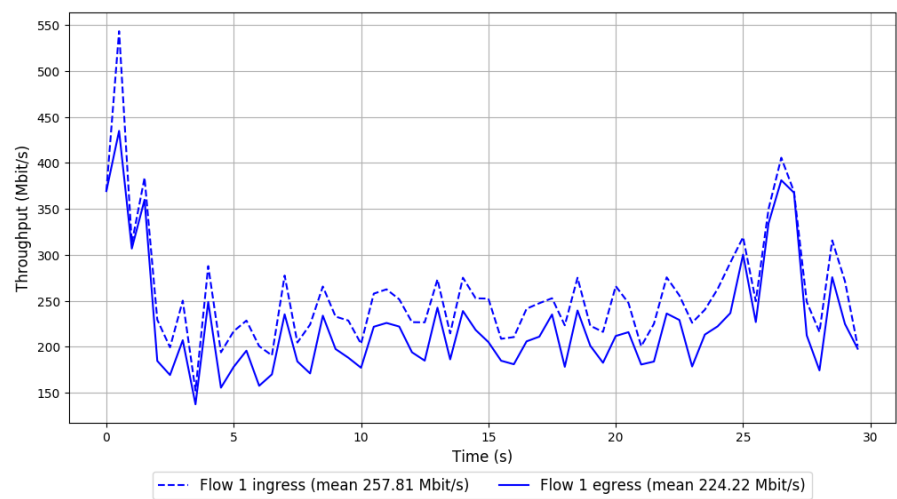
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-01-02 01:35:26
End at: 2018-01-02 01:35:56
Local clock offset: 0.226 ms
Remote clock offset: -0.854 ms


# Below is generated by plot.py at 2018-01-02 06:48:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.22 Mbit/s
95th percentile per-packet one-way delay: 43.336 ms
Loss rate: 12.95%
-- Flow 1:
Average throughput: 224.22 Mbit/s
95th percentile per-packet one-way delay: 43.336 ms
Loss rate: 12.95%
```
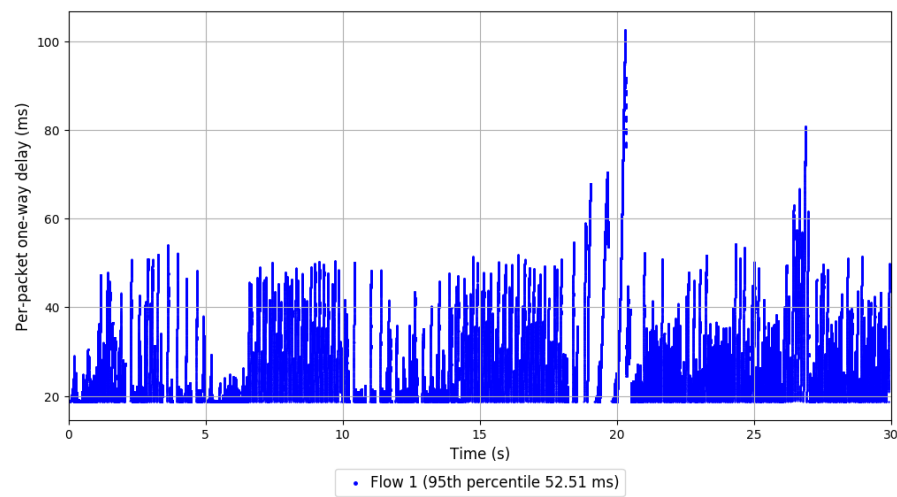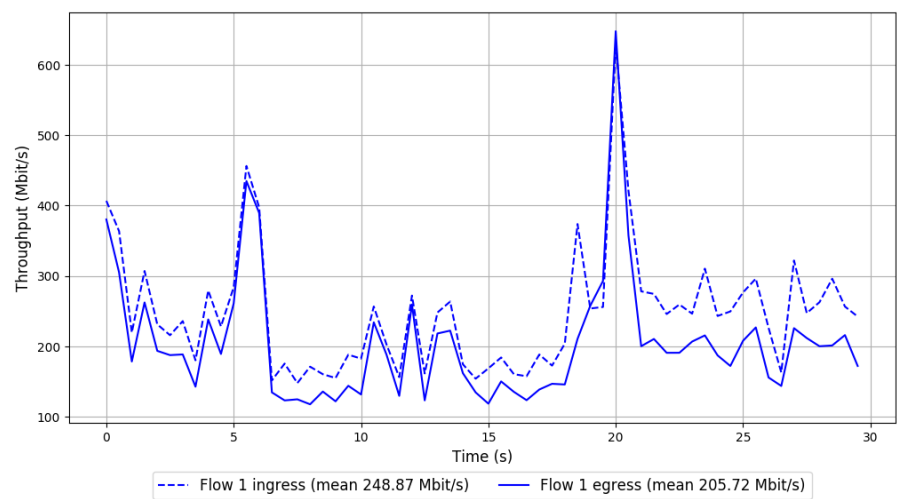
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2018-01-02 01:55:46
End at: 2018-01-02 01:56:16
Local clock offset: 0.053 ms
Remote clock offset: -1.119 ms


# Below is generated by plot.py at 2018-01-02 06:48:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.72 Mbit/s
95th percentile per-packet one-way delay: 52.514 ms
Loss rate: 17.30%
-- Flow 1:
Average throughput: 205.72 Mbit/s
95th percentile per-packet one-way delay: 52.514 ms
Loss rate: 17.30%
```

Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 248.87 Mbit/s)   Flow 1 egress (mean 205.72 Mbit/s)

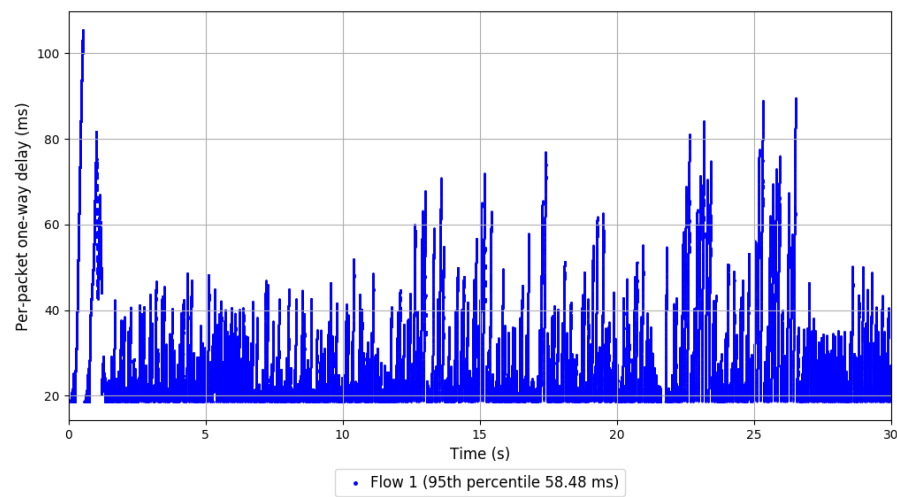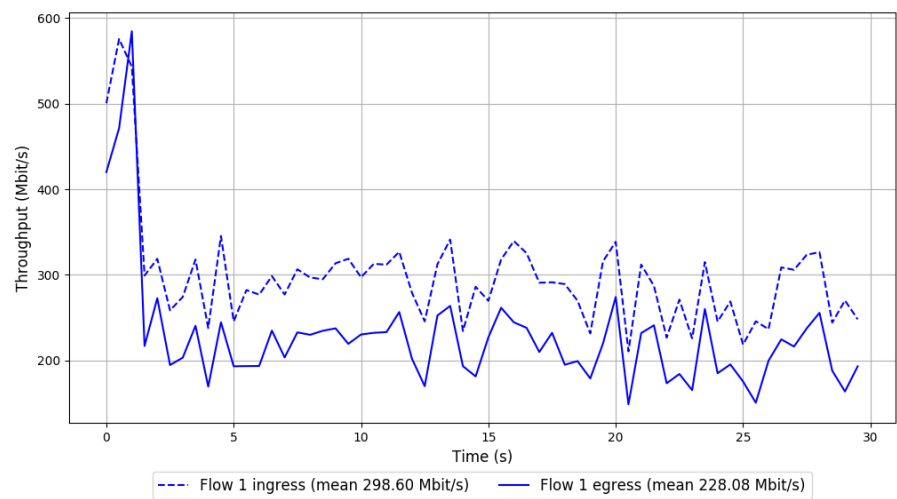Flow 1 (95th percentile 52.51 ms)

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```
Run 4: Statistics of Verus

Start at: 2018-01-02 02:16:25
End at: 2018-01-02 02:16:55
Local clock offset: 0.474 ms
Remote clock offset: -1.234 ms


# Below is generated by plot.py at 2018-01-02 06:48:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.08 Mbit/s
95th percentile per-packet one-way delay: 58.480 ms
Loss rate: 23.61%
-- Flow 1:
Average throughput: 228.08 Mbit/s
95th percentile per-packet one-way delay: 58.480 ms
Loss rate: 23.61%
```
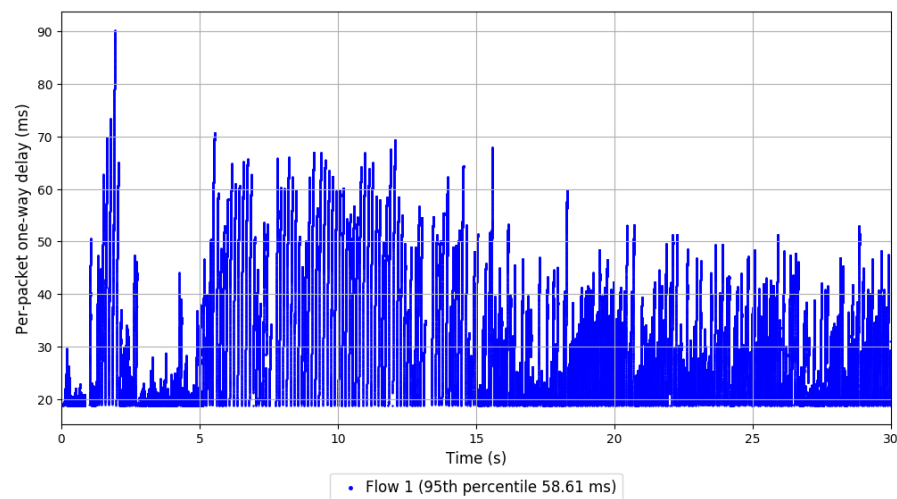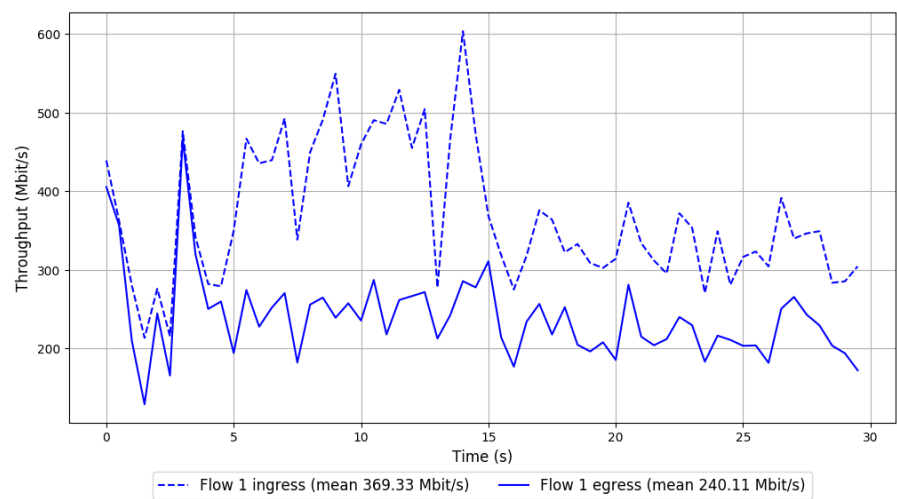
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-01-02 02:36:45
End at: 2018-01-02 02:37:15
Local clock offset: 0.63 ms
Remote clock offset: -1.072 ms


# Below is generated by plot.py at 2018-01-02 06:49:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.11 Mbit/s
95th percentile per-packet one-way delay: 58.610 ms
Loss rate: 34.98%
-- Flow 1:
Average throughput: 240.11 Mbit/s
95th percentile per-packet one-way delay: 58.610 ms
Loss rate: 34.98%
```
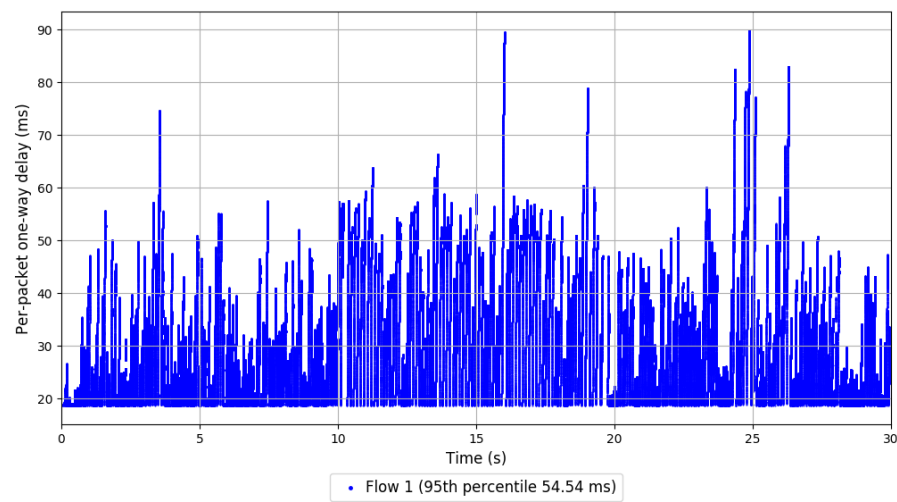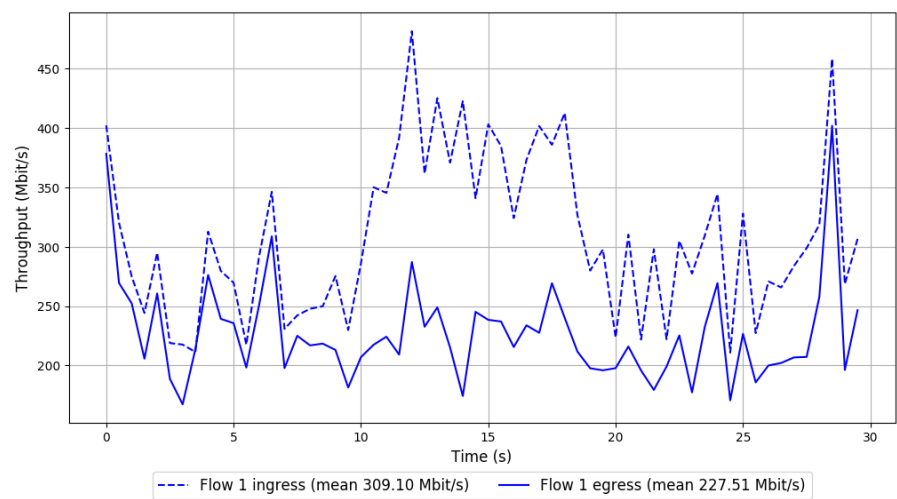
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2018-01-02 02:57:19
End at: 2018-01-02 02:57:49
Local clock offset: 0.806 ms
Remote clock offset: -1.192 ms


# Below is generated by plot.py at 2018-01-02 06:49:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.51 Mbit/s
95th percentile per-packet one-way delay: 54.544 ms
Loss rate: 26.36%
-- Flow 1:
Average throughput: 227.51 Mbit/s
95th percentile per-packet one-way delay: 54.544 ms
Loss rate: 26.36%
```

Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 309.10 Mbit/s)   Flow 1 egress (mean 227.51 Mbit/s)
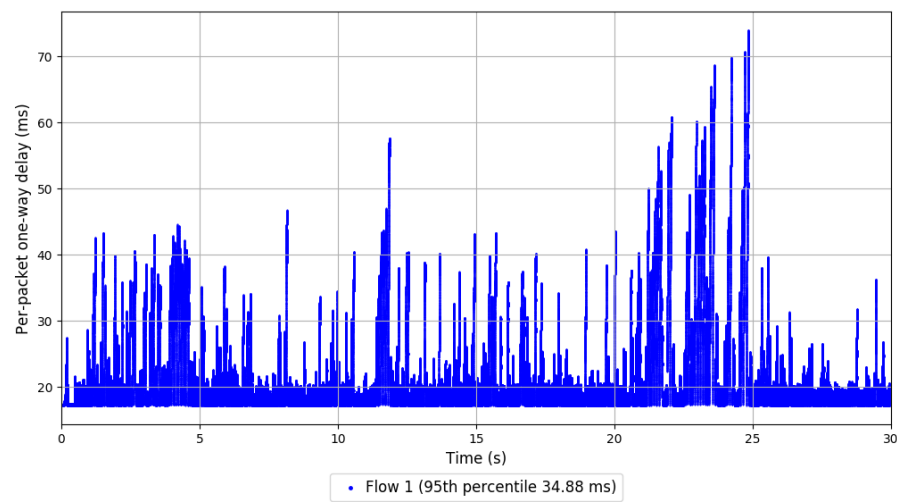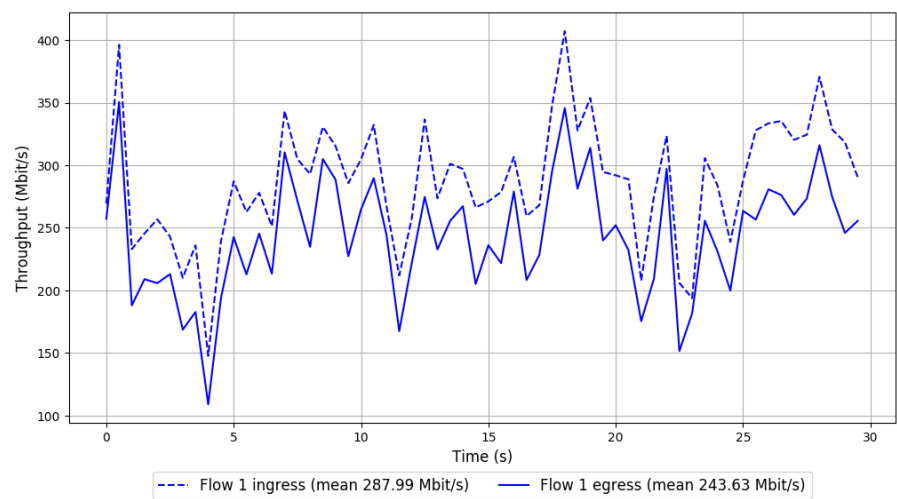

Flow 1 (95th percentile 54.54 ms)

```
Run 7: Statistics of Verus

Start at: 2018-01-02 03:17:55
End at: 2018-01-02 03:18:25
Local clock offset: 0.939 ms
Remote clock offset: -1.282 ms


# Below is generated by plot.py at 2018-01-02 06:50:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 243.63 Mbit/s
95th percentile per-packet one-way delay: 34.882 ms
Loss rate: 15.40%
-- Flow 1:
Average throughput: 243.63 Mbit/s
95th percentile per-packet one-way delay: 34.882 ms
Loss rate: 15.40%
```

Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 287.99 Mbit/s) — — — Flow 1 egress (mean 243.63 Mbit/s)

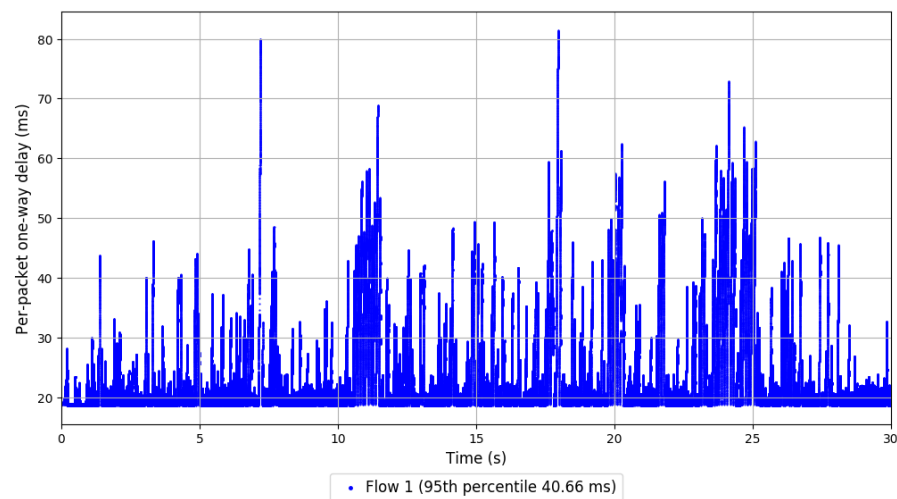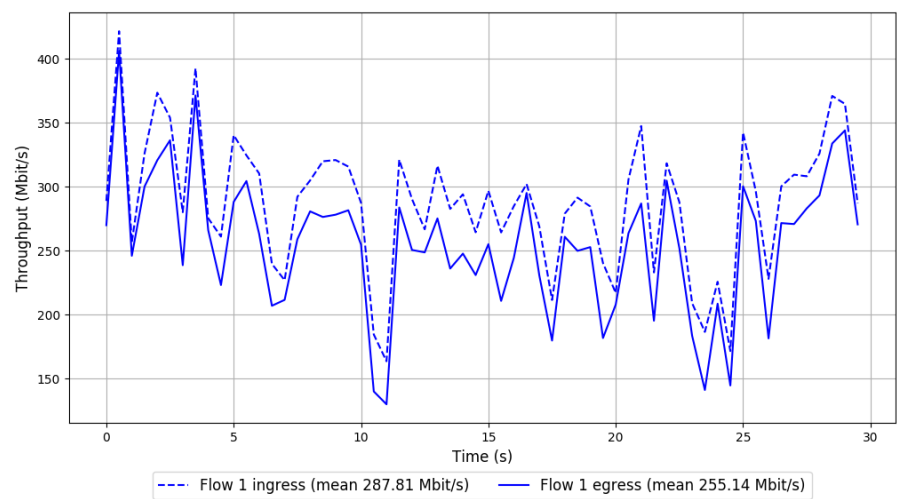

• Flow 1 (95th percentile 34.88 ms)

```
Run 8: Statistics of Verus

Start at: 2018-01-02 03:38:15
End at: 2018-01-02 03:38:45
Local clock offset: 1.024 ms
Remote clock offset: -1.785 ms


# Below is generated by plot.py at 2018-01-02 06:51:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 255.14 Mbit/s
95th percentile per-packet one-way delay: 40.659 ms
Loss rate: 11.35%
-- Flow 1:
Average throughput: 255.14 Mbit/s
95th percentile per-packet one-way delay: 40.659 ms
Loss rate: 11.35%
```
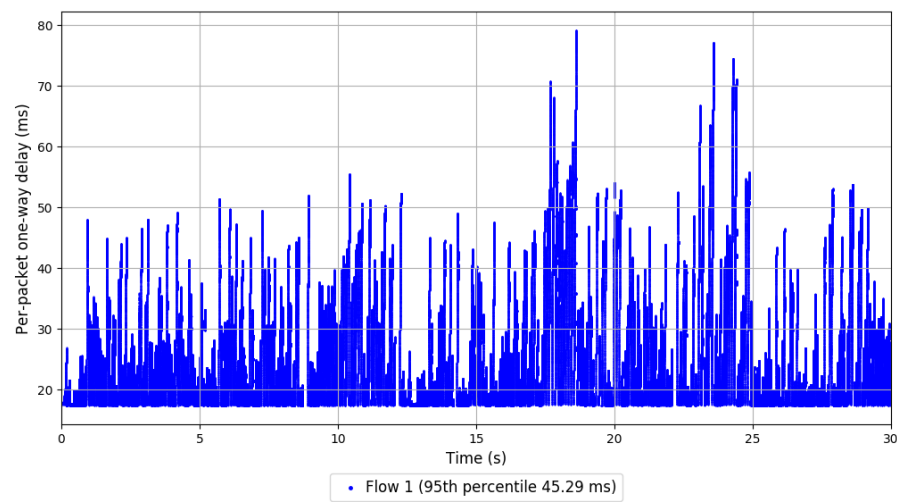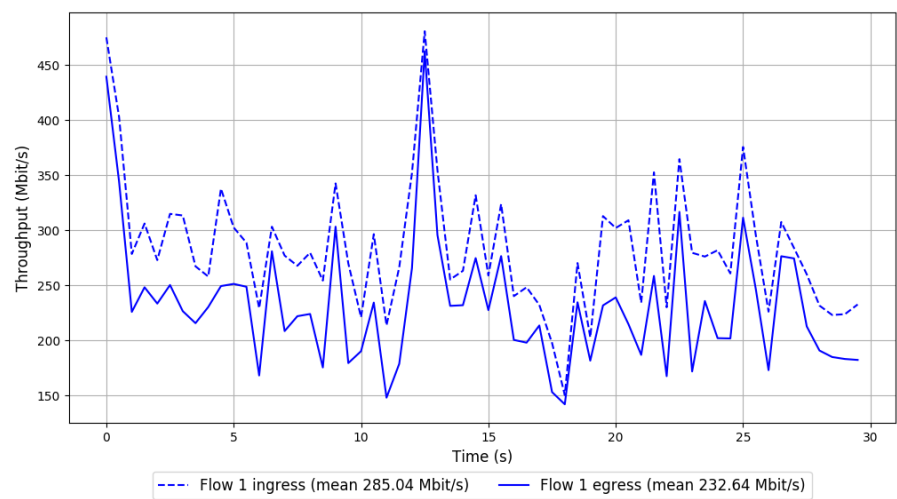
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2018-01-02 03:58:57
End at: 2018-01-02 03:59:27
Local clock offset: 1.041 ms
Remote clock offset: -2.131 ms


# Below is generated by plot.py at 2018-01-02 06:51:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.64 Mbit/s
95th percentile per-packet one-way delay: 45.286 ms
Loss rate: 18.37%
-- Flow 1:
Average throughput: 232.64 Mbit/s
95th percentile per-packet one-way delay: 45.286 ms
Loss rate: 18.37%
```

Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 285.04 Mbit/s) —— Flow 1 egress (mean 232.64 Mbit/s)

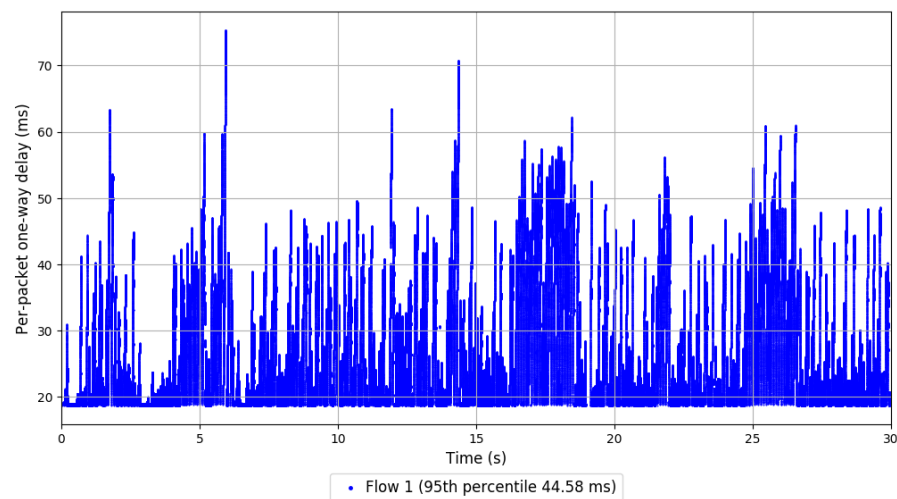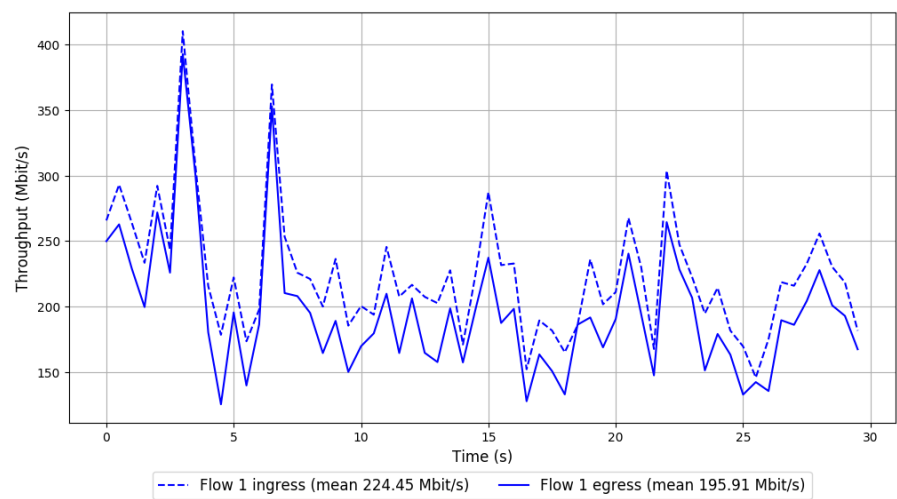

• Flow 1 (95th percentile 45.29 ms)

```
Run 10: Statistics of Verus

Start at: 2018-01-02 04:19:38
End at: 2018-01-02 04:20:08
Local clock offset: 1.045 ms
Remote clock offset: -2.213 ms


# Below is generated by plot.py at 2018-01-02 06:51:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.91 Mbit/s
95th percentile per-packet one-way delay: 44.584 ms
Loss rate: 12.71%
-- Flow 1:
Average throughput: 195.91 Mbit/s
95th percentile per-packet one-way delay: 44.584 ms
Loss rate: 12.71%
```

Run 10: Report of Verus — Data Link
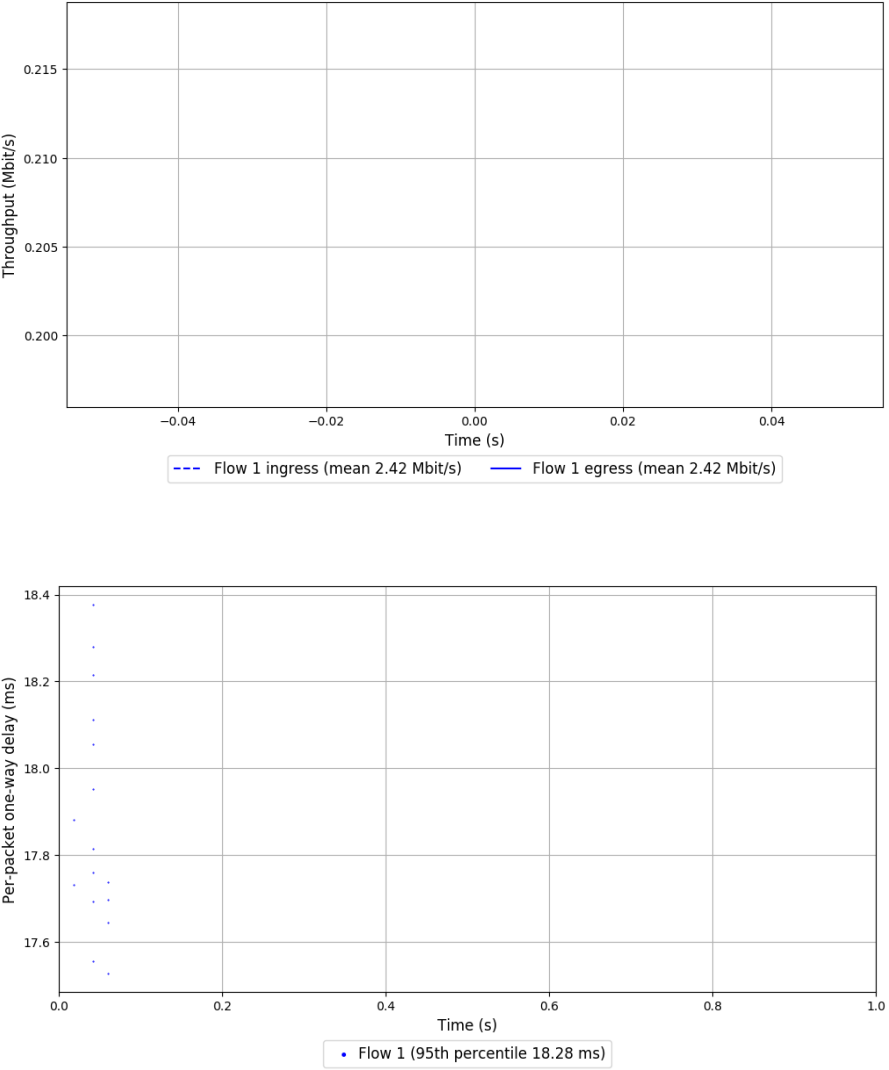
```
Run 1: Statistics of Copa

Start at: 2018-01-02 01:18:05
End at: 2018-01-02 01:18:35
Local clock offset: 0.067 ms
Remote clock offset: -0.764 ms
```

Run 1: Report of Copa — Data Link

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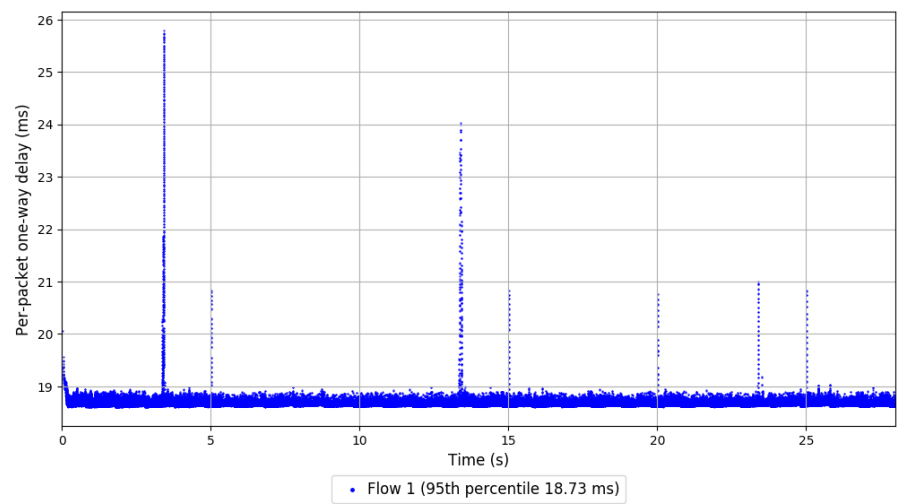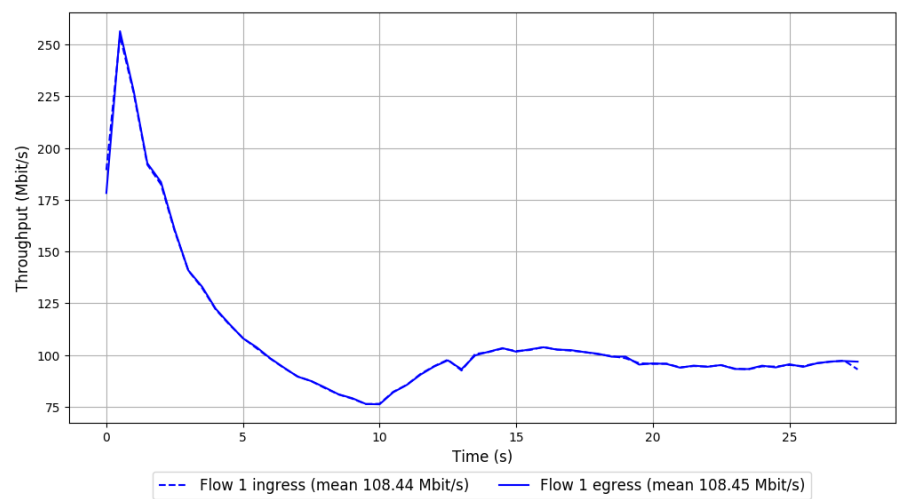

Flow 1 (95th percentile 18.28 ms)

```
Run 2: Statistics of Copa

Start at: 2018-01-02 01:38:18
End at: 2018-01-02 01:38:48
Local clock offset: 0.206 ms
Remote clock offset: -0.934 ms


# Below is generated by plot.py at 2018-01-02 06:51:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.45 Mbit/s
95th percentile per-packet one-way delay: 18.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.45 Mbit/s
95th percentile per-packet one-way delay: 18.725 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 108.44 Mbit/s)   Flow 1 egress (mean 108.45 Mbit/s)
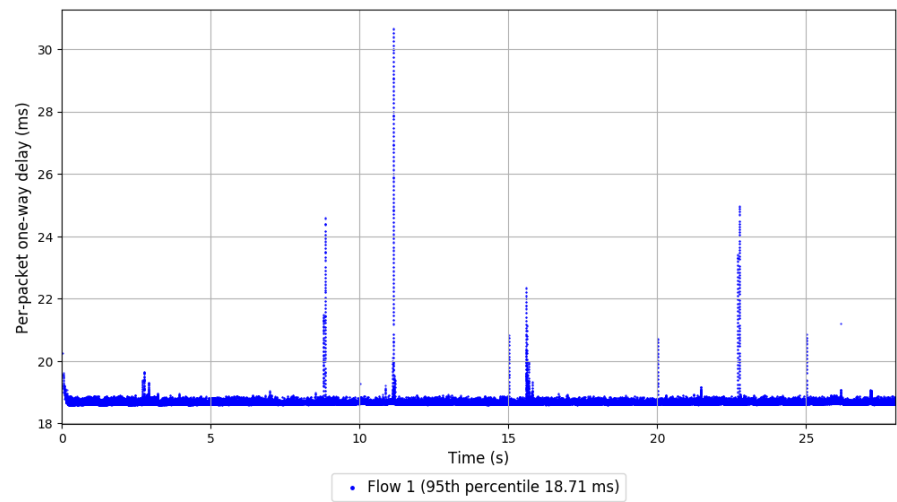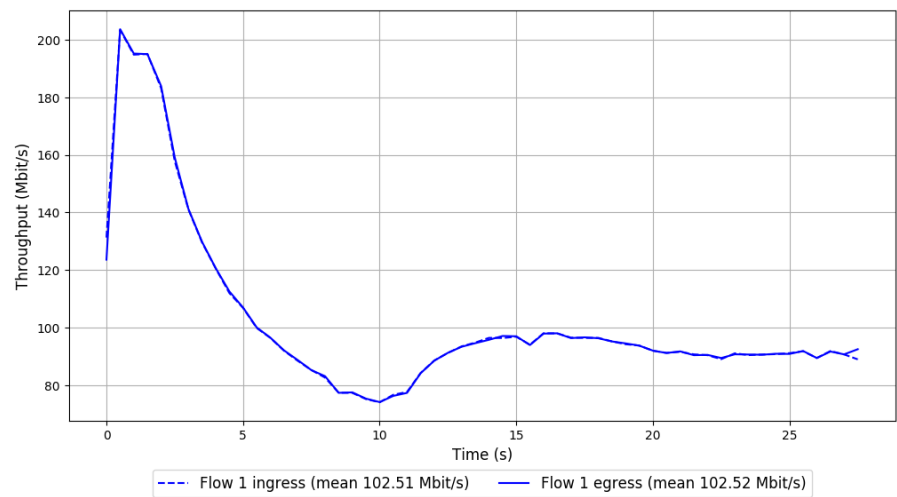

Flow 1 (95th percentile 18.73 ms)

```
Run 3: Statistics of Copa

Start at: 2018-01-02 01:58:42
End at: 2018-01-02 01:59:12
Local clock offset: 0.003 ms
Remote clock offset: -1.199 ms


# Below is generated by plot.py at 2018-01-02 06:51:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.52 Mbit/s
95th percentile per-packet one-way delay: 18.713 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.52 Mbit/s
95th percentile per-packet one-way delay: 18.713 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 102.51 Mbit/s) --- Flow 1 egress (mean 102.52 Mbit/s)
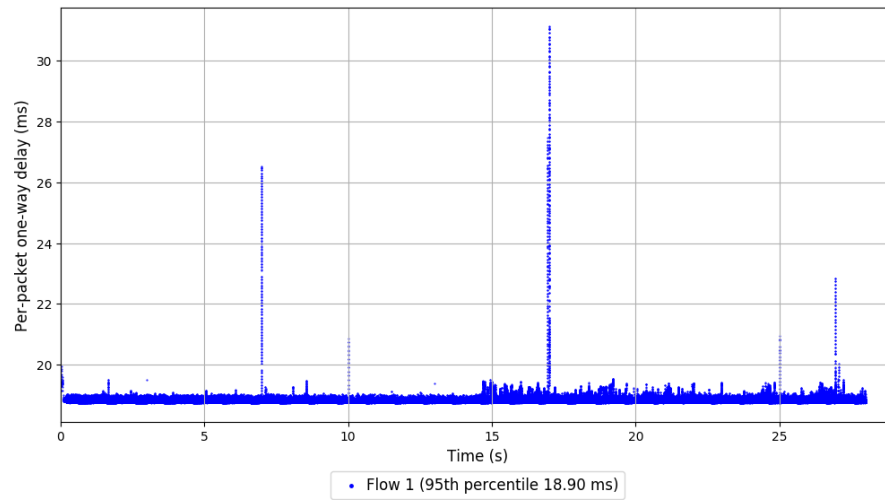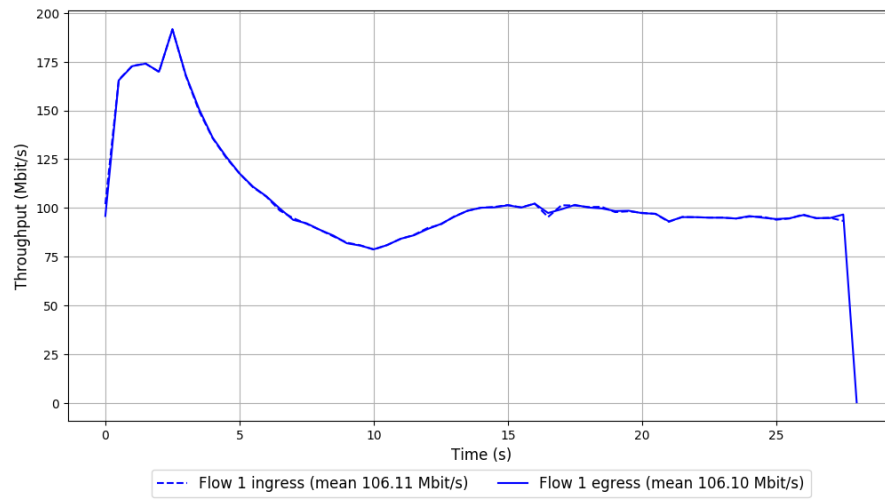

Flow 1 (95th percentile 18.71 ms)

```
Run 4: Statistics of Copa

Start at: 2018-01-02 02:19:18
End at: 2018-01-02 02:19:48
Local clock offset: 0.405 ms
Remote clock offset: -1.181 ms


# Below is generated by plot.py at 2018-01-02 06:51:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.10 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 106.10 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.01%
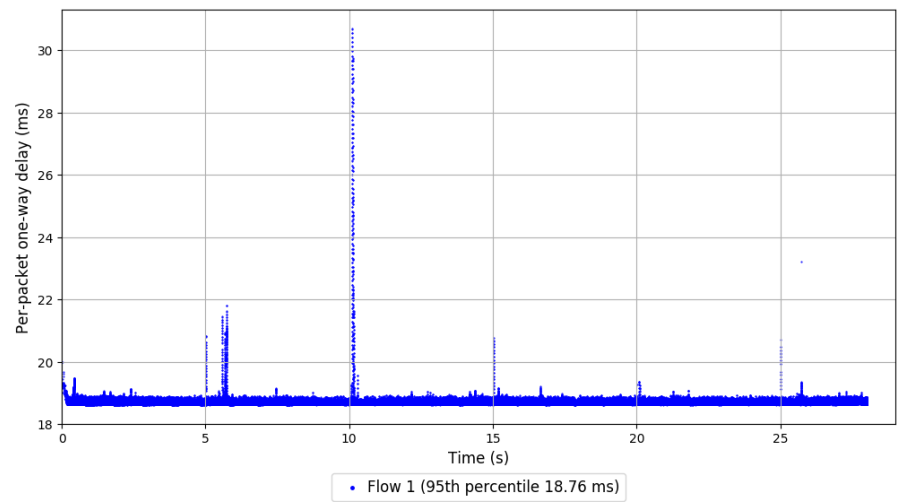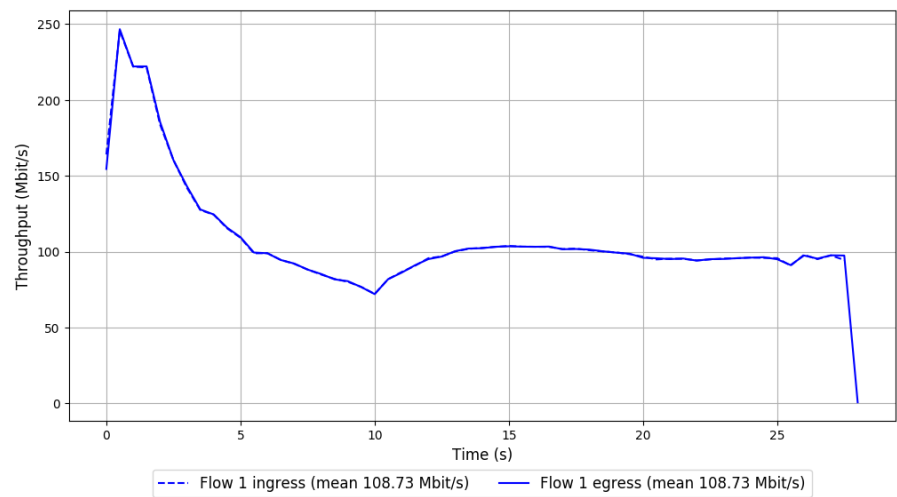```

Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2018-01-02 02:39:45
End at: 2018-01-02 02:40:15
Local clock offset: 0.74 ms
Remote clock offset: -1.131 ms

Below is generated by plot.py at 2018-01-02 06:52:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 108.73 Mbit/s
95th percentile per-packet one-way delay: 18.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.73 Mbit/s
95th percentile per-packet one-way delay: 18.759 ms
Loss rate: 0.00%
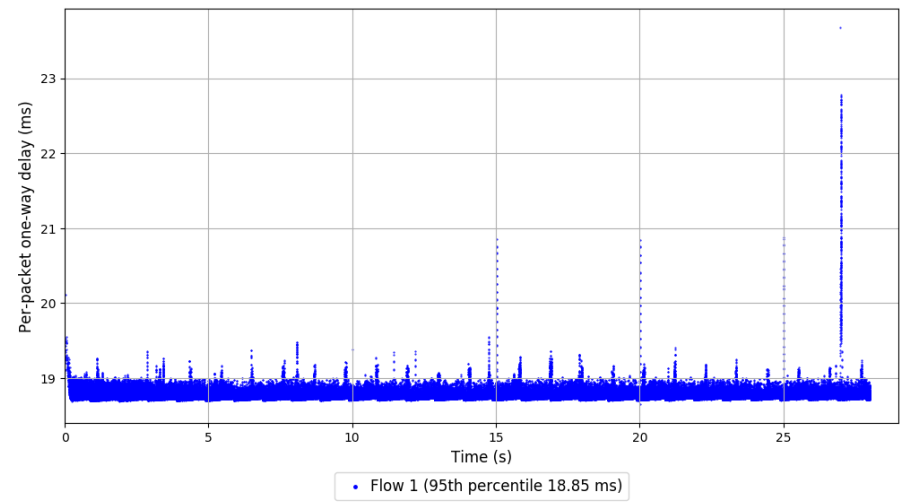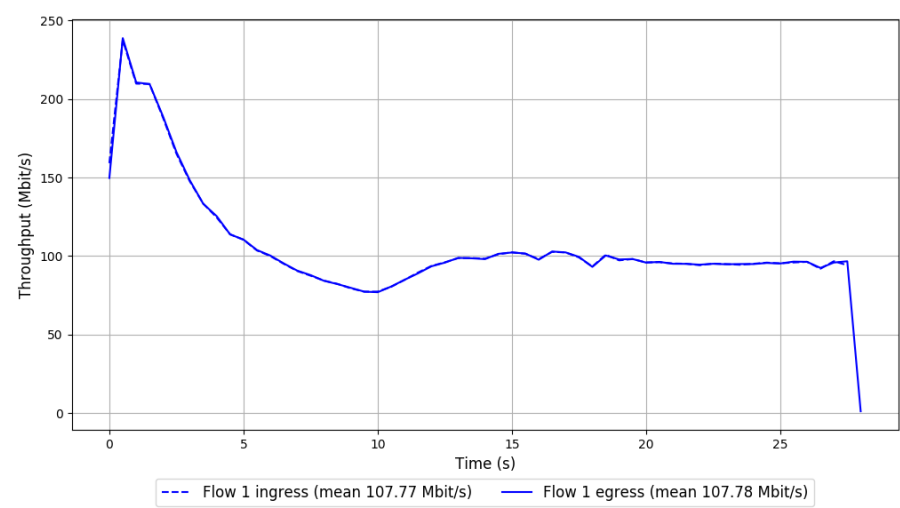```

Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-01-02 03:00:13
End at: 2018-01-02 03:00:43
Local clock offset: 0.81 ms
Remote clock offset: -1.194 ms


# Below is generated by plot.py at 2018-01-02 06:52:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.78 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.78 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.00%
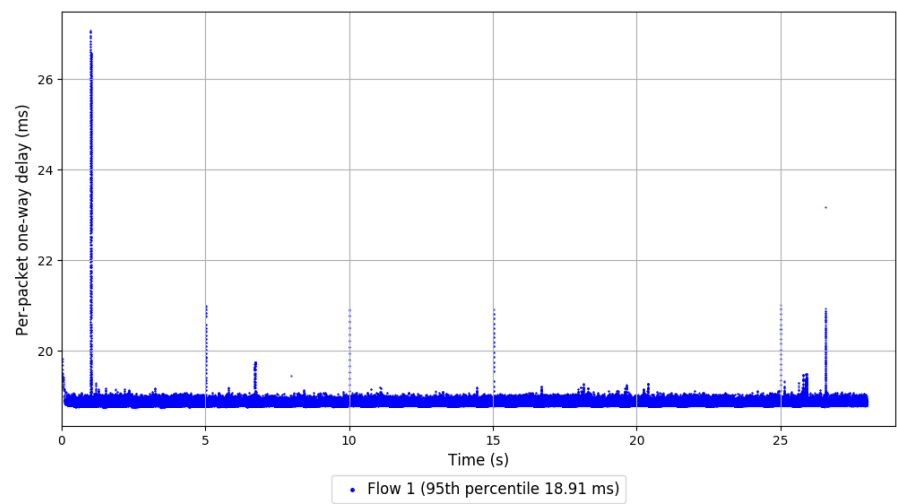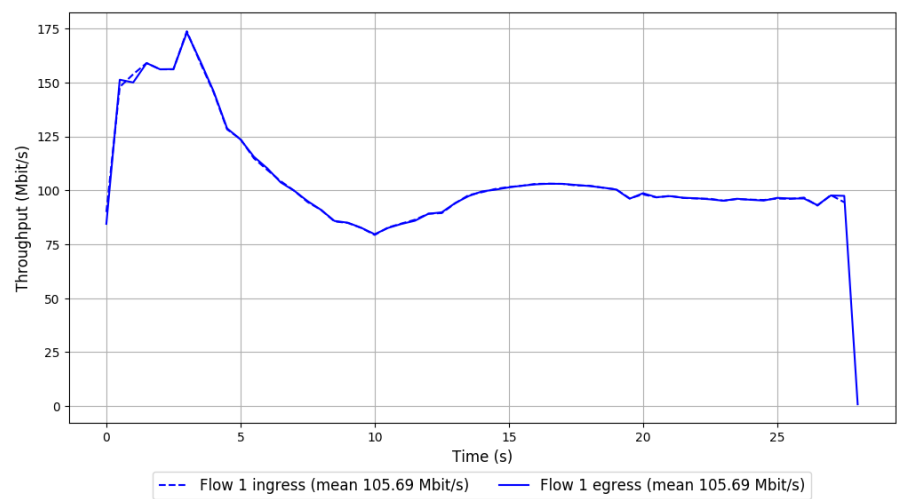```

Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2018-01-02 03:20:46
End at: 2018-01-02 03:21:16
Local clock offset: 0.857 ms
Remote clock offset: -1.283 ms


# Below is generated by plot.py at 2018-01-02 06:53:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.69 Mbit/s
95th percentile per-packet one-way delay: 18.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.69 Mbit/s
95th percentile per-packet one-way delay: 18.915 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 105.69 Mbit/s) --- Flow 1 egress (mean 105.69 Mbit/s)

Flow 1 (95th percentile 18.91 ms)

```
Run 8: Statistics of Copa

Start at: 2018-01-02 03:41:05
End at: 2018-01-02 03:41:35
Local clock offset: 1.029 ms
Remote clock offset: -1.85 ms


# Below is generated by plot.py at 2018-01-02 06:53:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.71 Mbit/s
95th percentile per-packet one-way delay: 18.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.71 Mbit/s
95th percentile per-packet one-way delay: 18.755 ms
Loss rate: 0.00%
```
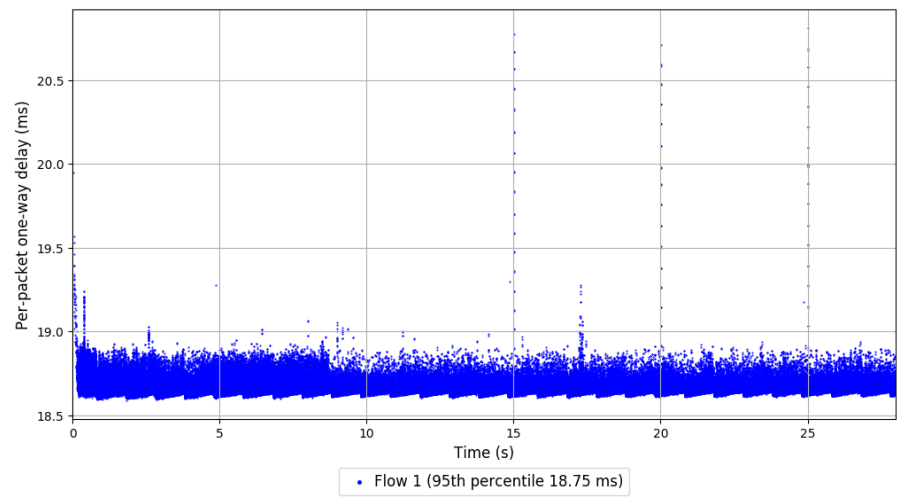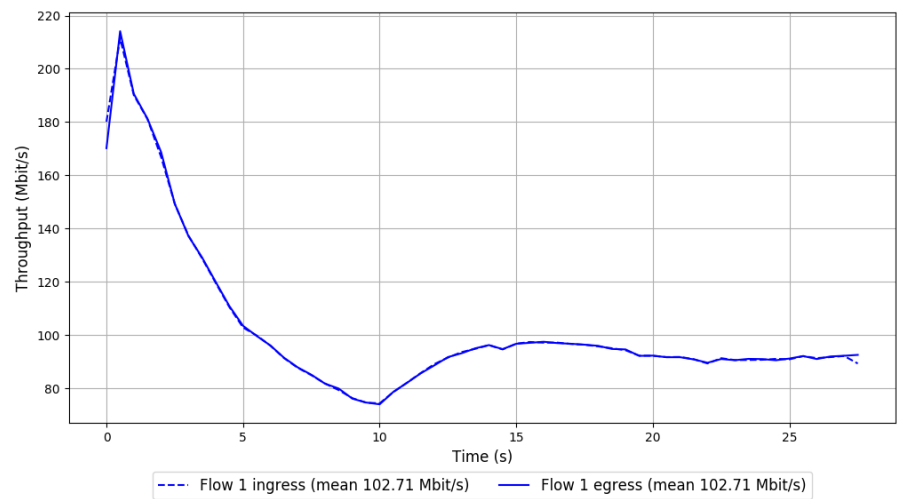
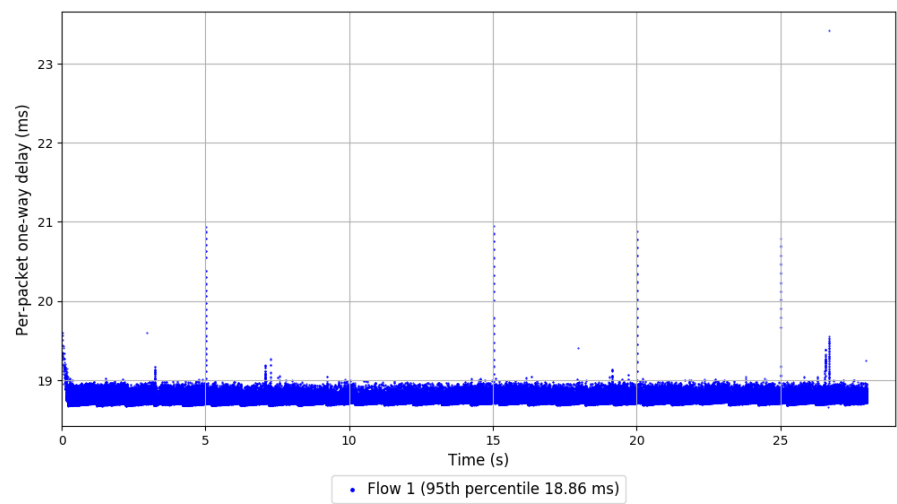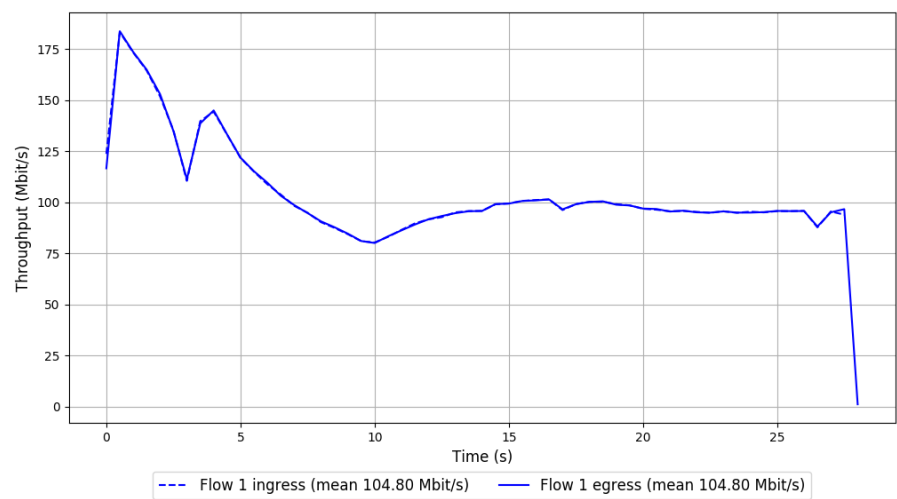## Run 8: Report of Copa — Data Link

239

```
Run 9: Statistics of Copa

Start at: 2018-01-02 04:01:53
End at: 2018-01-02 04:02:23
Local clock offset: 1.064 ms
Remote clock offset: -2.214 ms


# Below is generated by plot.py at 2018-01-02 06:53:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.80 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.80 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2018-01-02 04:22:23
End at: 2018-01-02 04:22:53
Local clock offset: 1.152 ms
Remote clock offset: -2.148 ms


# Below is generated by plot.py at 2018-01-02 06:53:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.81 Mbit/s
95th percentile per-packet one-way delay: 17.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.81 Mbit/s
95th percentile per-packet one-way delay: 17.364 ms
Loss rate: 0.00%
```
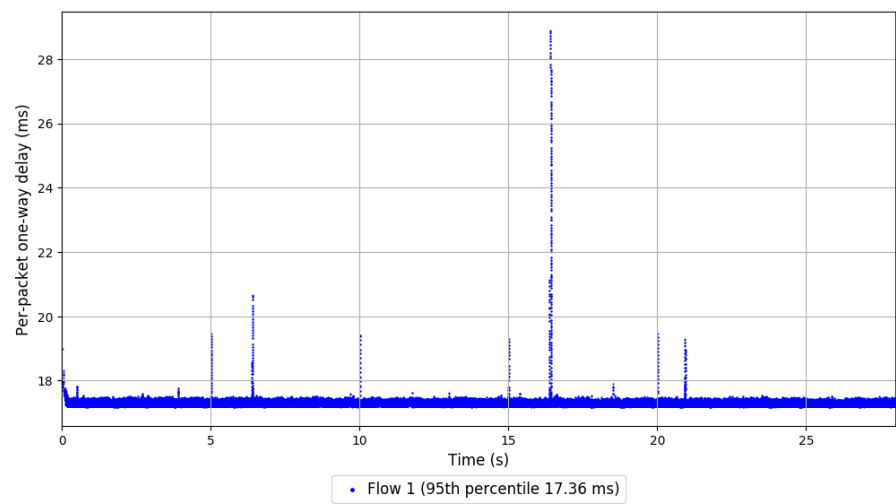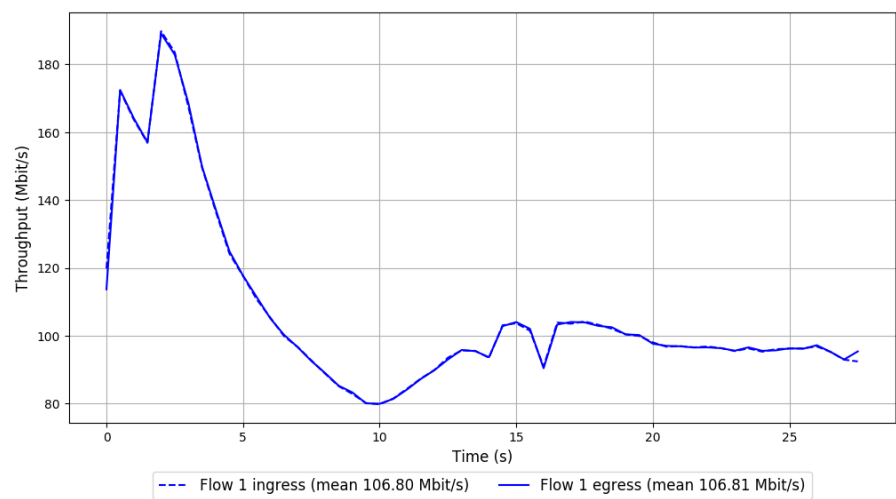
Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 106.80 Mbit/s) --- Flow 1 egress (mean 106.81 Mbit/s)
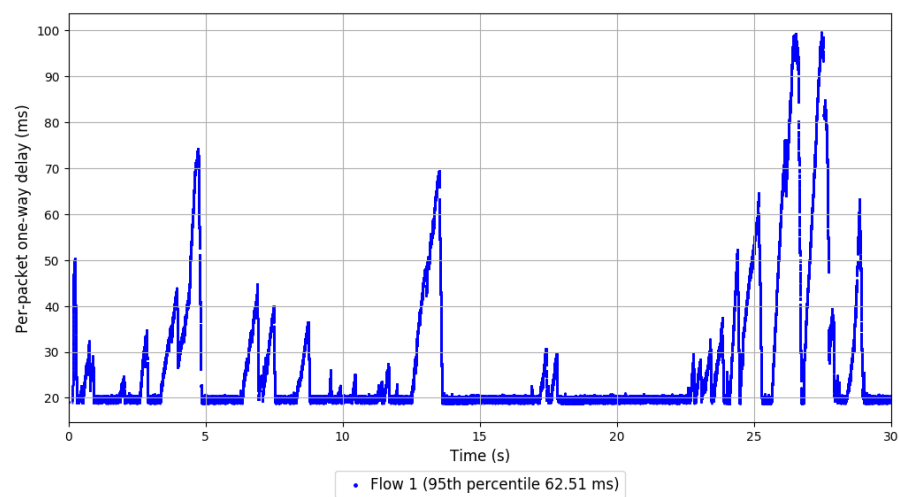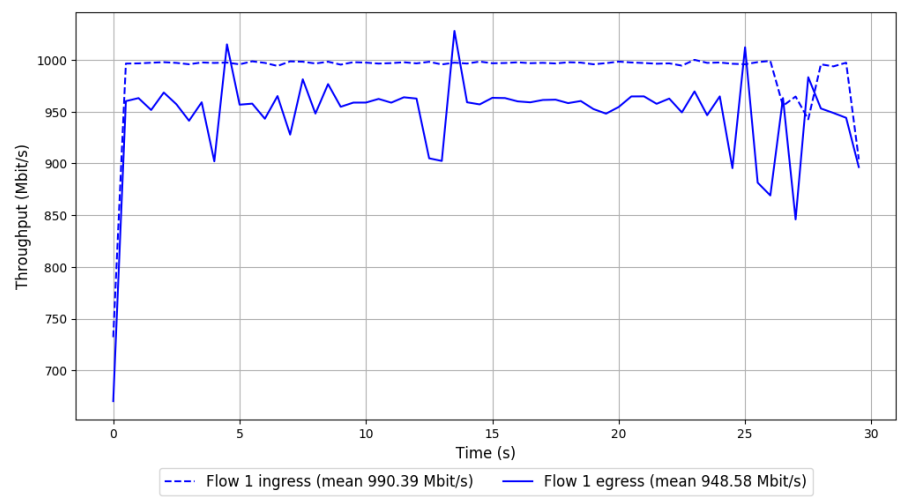

Flow 1 (95th percentile 17.36 ms)

```
Run 1: Statistics of FillP

Start at: 2018-01-02 01:11:06
End at: 2018-01-02 01:11:36
Local clock offset: -0.036 ms
Remote clock offset: -0.75 ms


# Below is generated by plot.py at 2018-01-02 07:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 948.58 Mbit/s
95th percentile per-packet one-way delay: 62.511 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 948.58 Mbit/s
95th percentile per-packet one-way delay: 62.511 ms
Loss rate: 4.22%
```

Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 990.39 Mbit/s) ---- Flow 1 egress (mean 948.58 Mbit/s) ——

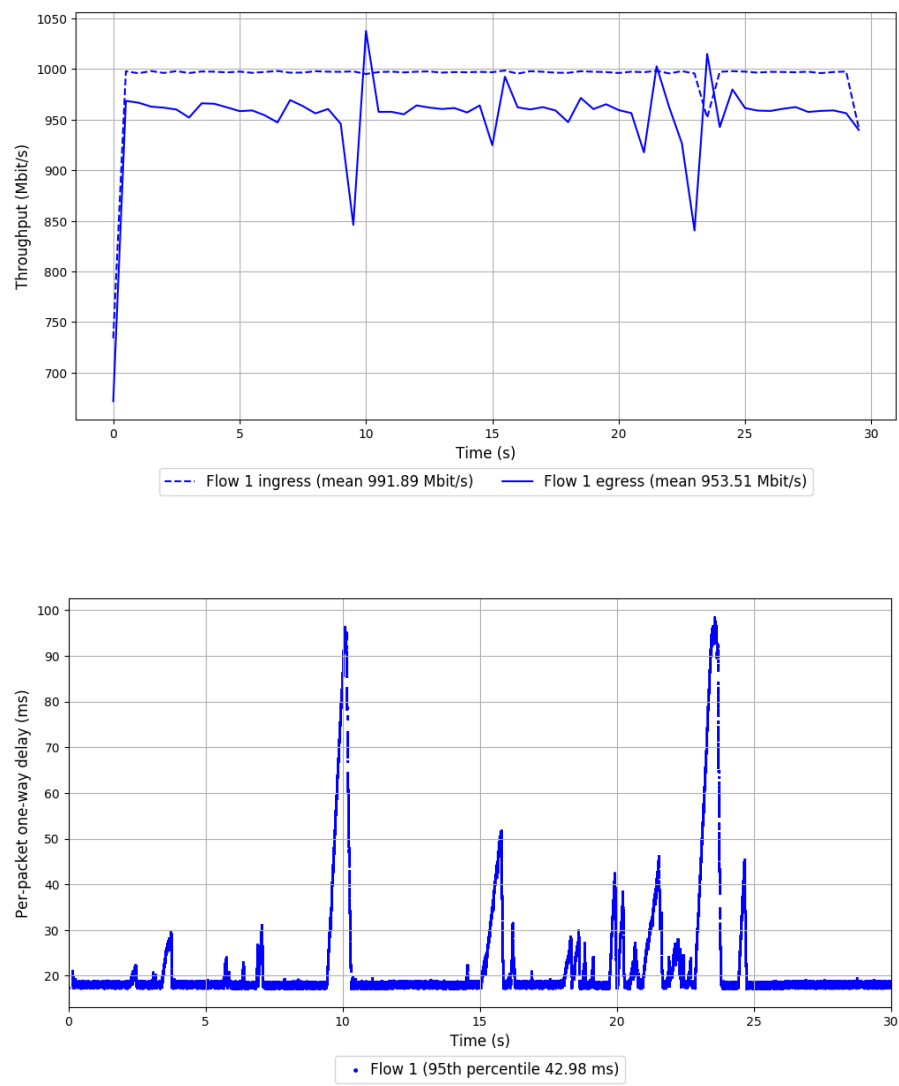

• Flow 1 (95th percentile 62.51 ms)

```
Run 2: Statistics of FillP

Start at: 2018-01-02 01:31:18
End at: 2018-01-02 01:31:48
Local clock offset: 0.198 ms
Remote clock offset: -0.749 ms


# Below is generated by plot.py at 2018-01-02 07:07:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 953.51 Mbit/s
95th percentile per-packet one-way delay: 42.984 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 953.51 Mbit/s
95th percentile per-packet one-way delay: 42.984 ms
Loss rate: 3.87%
```
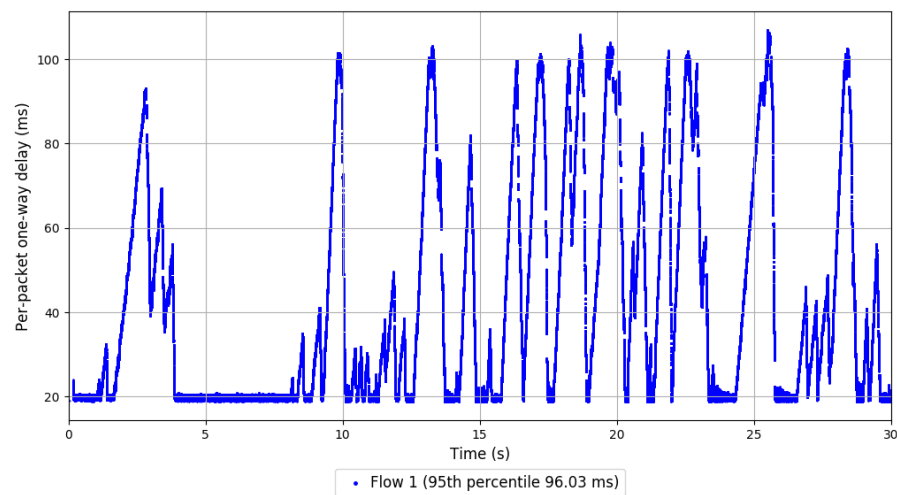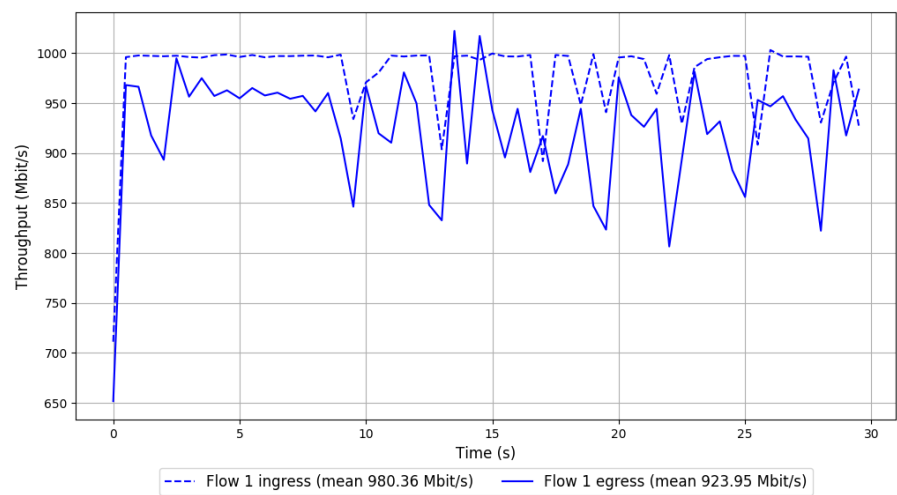
Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-01-02 01:51:35
End at: 2018-01-02 01:52:05
Local clock offset: 0.008 ms
Remote clock offset: -1.113 ms


# Below is generated by plot.py at 2018-01-02 07:07:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 923.95 Mbit/s
95th percentile per-packet one-way delay: 96.034 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 923.95 Mbit/s
95th percentile per-packet one-way delay: 96.034 ms
Loss rate: 5.75%
```

Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 980.36 Mbit/s)   Flow 1 egress (mean 923.95 Mbit/s)

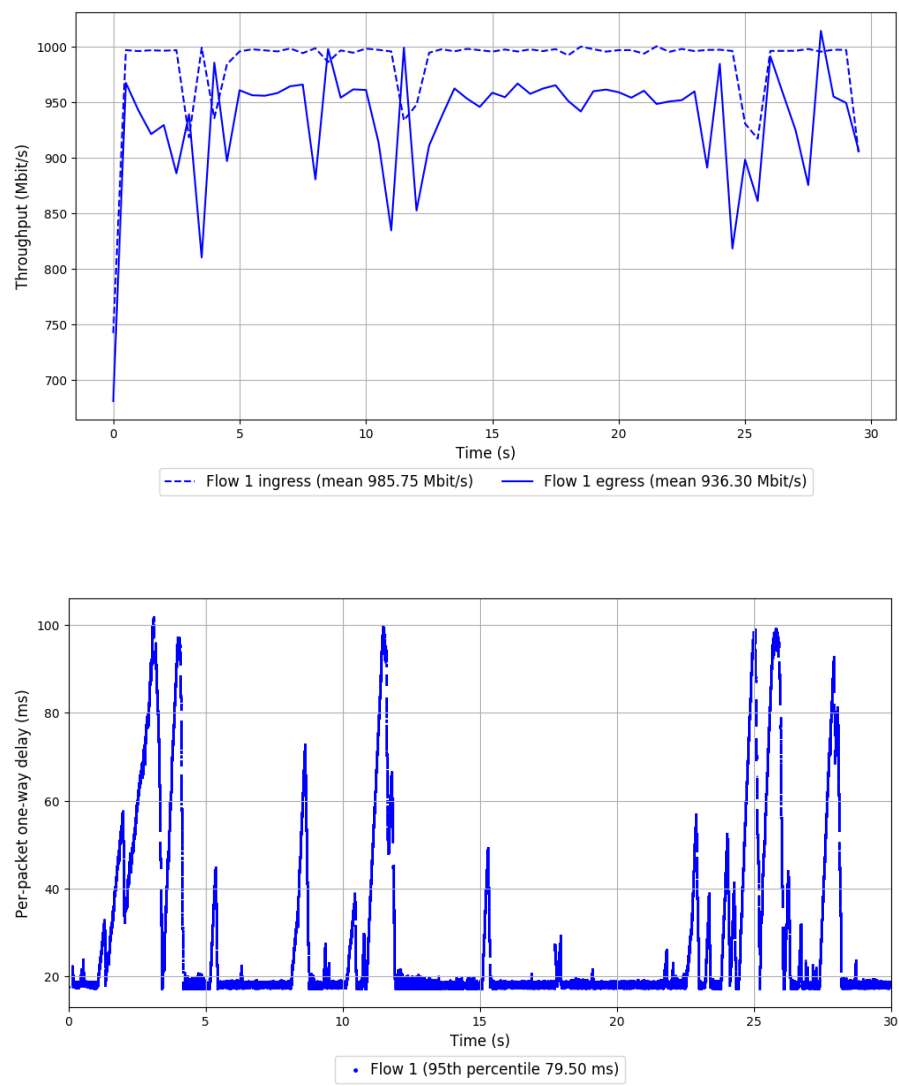Flow 1 (95th percentile 96.03 ms)

249

```
Run 4: Statistics of FillP

Start at: 2018-01-02 02:12:17
End at: 2018-01-02 02:12:47
Local clock offset: 0.359 ms
Remote clock offset: -1.303 ms


# Below is generated by plot.py at 2018-01-02 07:07:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 936.30 Mbit/s
95th percentile per-packet one-way delay: 79.499 ms
Loss rate: 5.01%
-- Flow 1:
Average throughput: 936.30 Mbit/s
95th percentile per-packet one-way delay: 79.499 ms
Loss rate: 5.01%
```
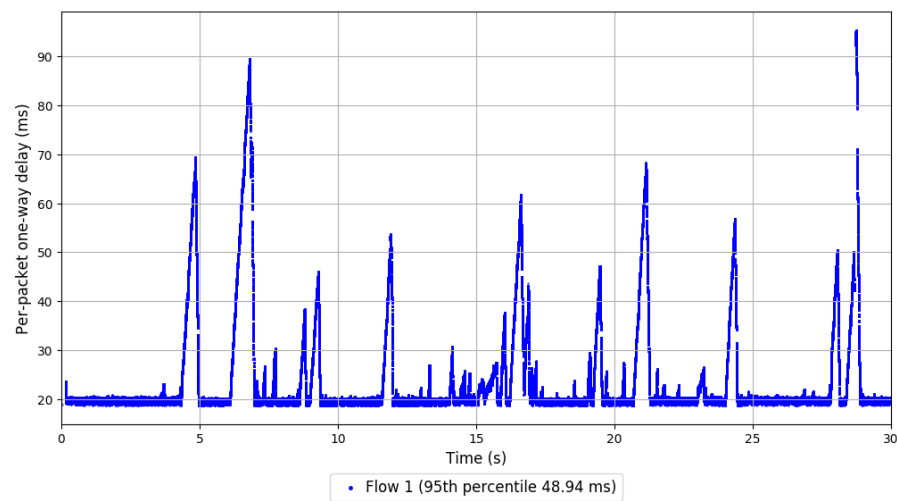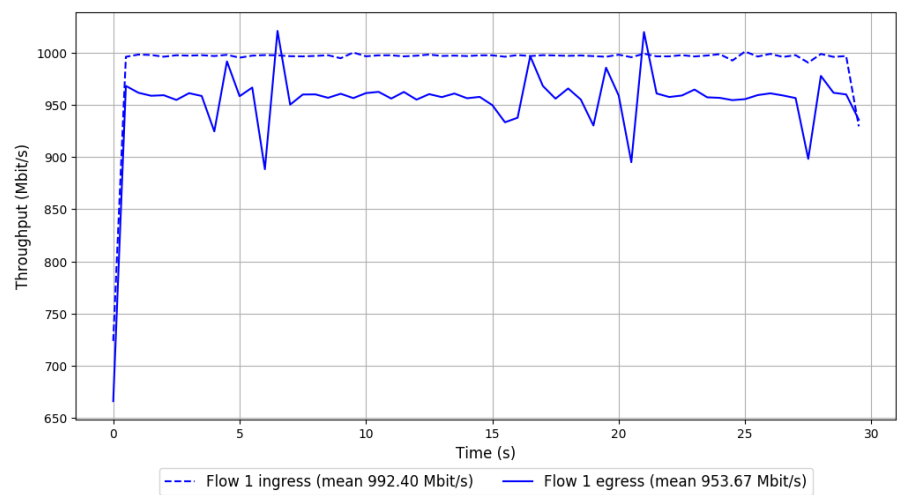
Run 4: Report of FillP — Data Link

```
Run 5: Statistics of FillP

Start at: 2018-01-02 02:32:36
End at: 2018-01-02 02:33:06
Local clock offset: 0.615 ms
Remote clock offset: -1.096 ms


# Below is generated by plot.py at 2018-01-02 07:08:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 953.67 Mbit/s
95th percentile per-packet one-way delay: 48.936 ms
Loss rate: 3.90%
-- Flow 1:
Average throughput: 953.67 Mbit/s
95th percentile per-packet one-way delay: 48.936 ms
Loss rate: 3.90%
```

Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 992.40 Mbit/s)   Flow 1 egress (mean 953.67 Mbit/s)
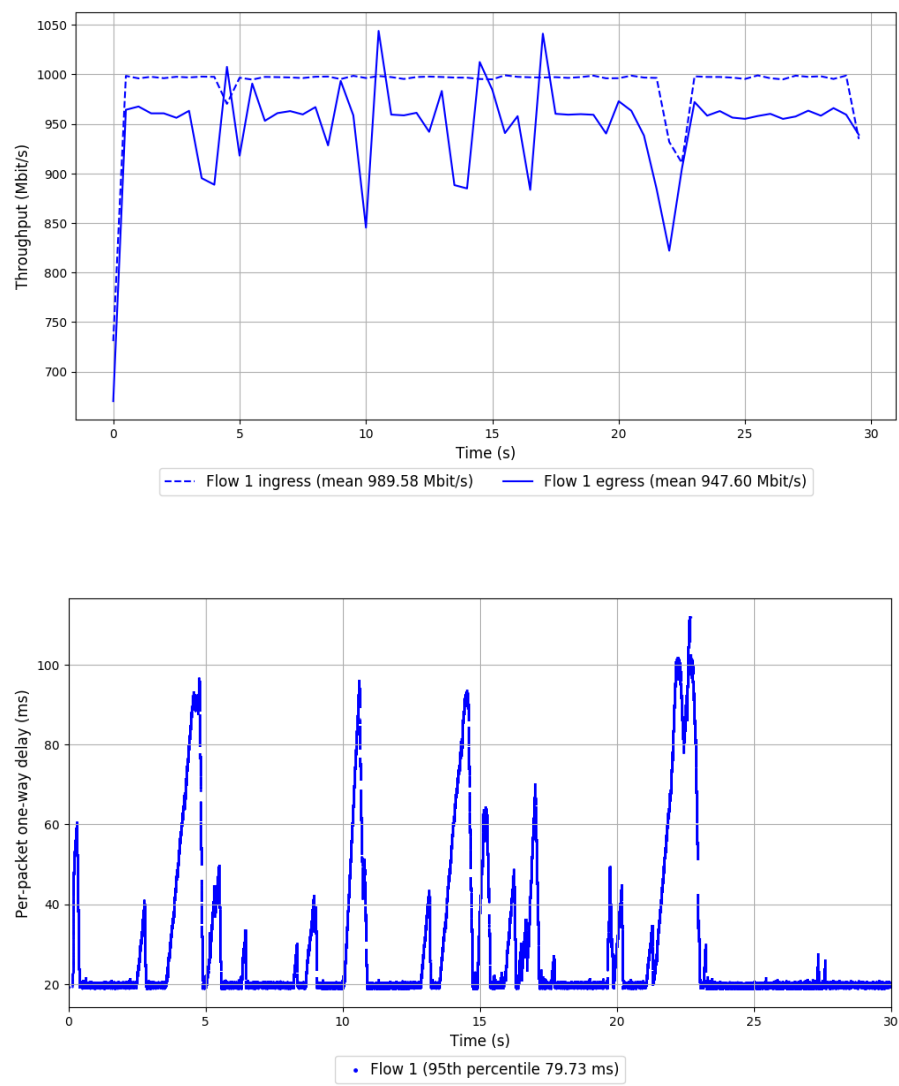

Flow 1 (95th percentile 48.94 ms)

```
Run 6: Statistics of FillP

Start at: 2018-01-02 02:53:12
End at: 2018-01-02 02:53:42
Local clock offset: 0.76 ms
Remote clock offset: -1.094 ms


# Below is generated by plot.py at 2018-01-02 07:08:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 947.60 Mbit/s
95th percentile per-packet one-way delay: 79.727 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 947.60 Mbit/s
95th percentile per-packet one-way delay: 79.727 ms
Loss rate: 4.24%
```

Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 989.58 Mbit/s) --- Flow 1 egress (mean 947.60 Mbit/s)

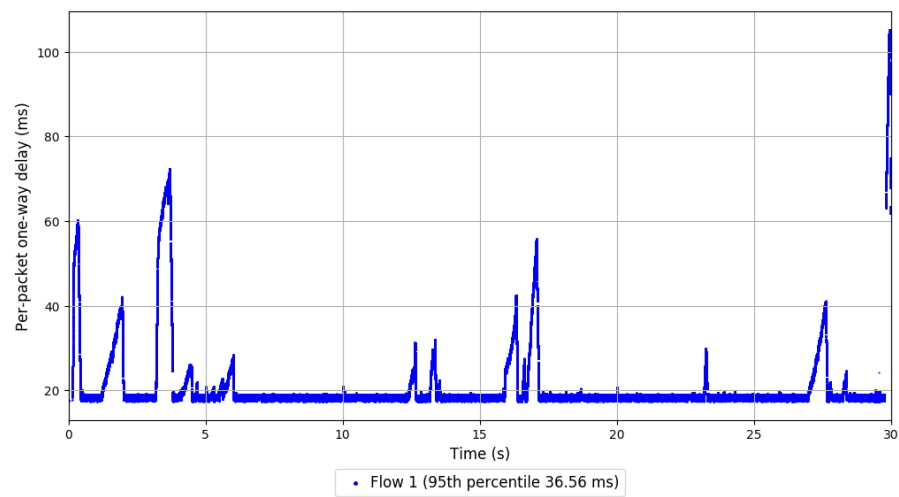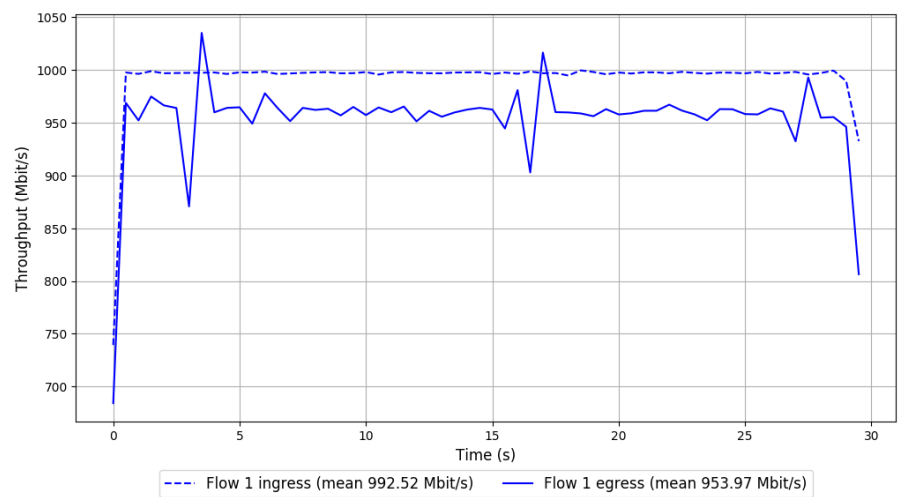• Flow 1 (95th percentile 79.73 ms)

255

```
Run 7: Statistics of FillP

Start at: 2018-01-02 03:13:44
End at: 2018-01-02 03:14:14
Local clock offset: 0.831 ms
Remote clock offset: -1.154 ms


# Below is generated by plot.py at 2018-01-02 07:08:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 953.97 Mbit/s
95th percentile per-packet one-way delay: 36.561 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 953.97 Mbit/s
95th percentile per-packet one-way delay: 36.561 ms
Loss rate: 3.88%
```

Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 992.52 Mbit/s)   Flow 1 egress (mean 953.97 Mbit/s)

Flow 1 (95th percentile 36.56 ms)

257

```
Run 8: Statistics of FillP

Start at: 2018-01-02 03:34:06
End at: 2018-01-02 03:34:36
Local clock offset: 1.011 ms
Remote clock offset: -1.67 ms

# Below is generated by plot.py at 2018-01-02 07:08:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 956.44 Mbit/s
95th percentile per-packet one-way delay: 45.786 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 956.44 Mbit/s
95th percentile per-packet one-way delay: 45.786 ms
Loss rate: 3.65%
```
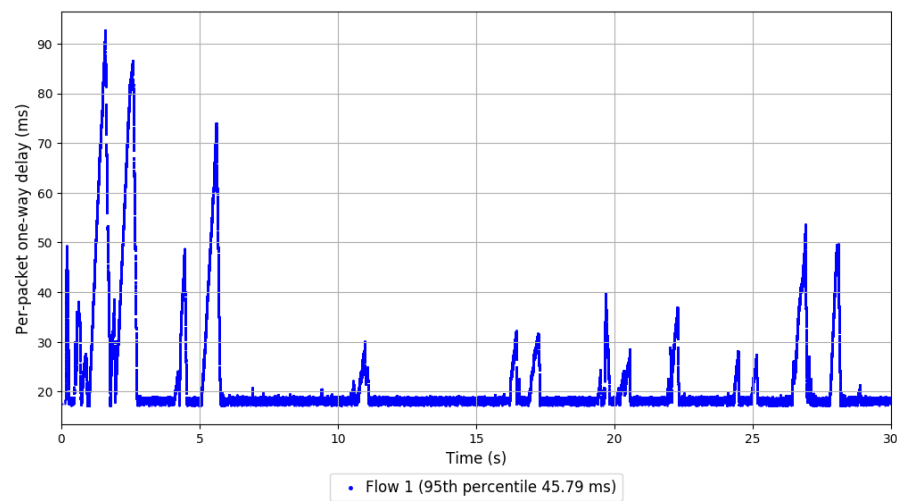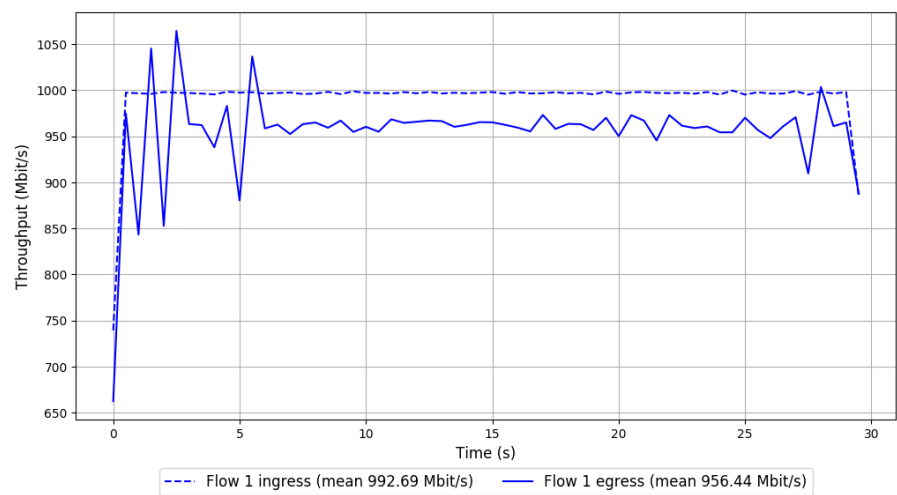
Run 8: Report of FillP — Data Link

Flow 1 ingress (mean 992.69 Mbit/s)   Flow 1 egress (mean 956.44 Mbit/s)

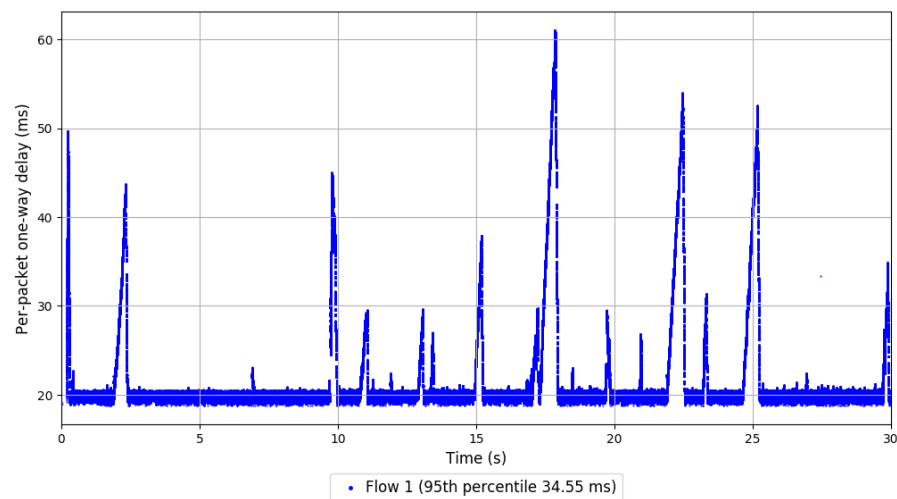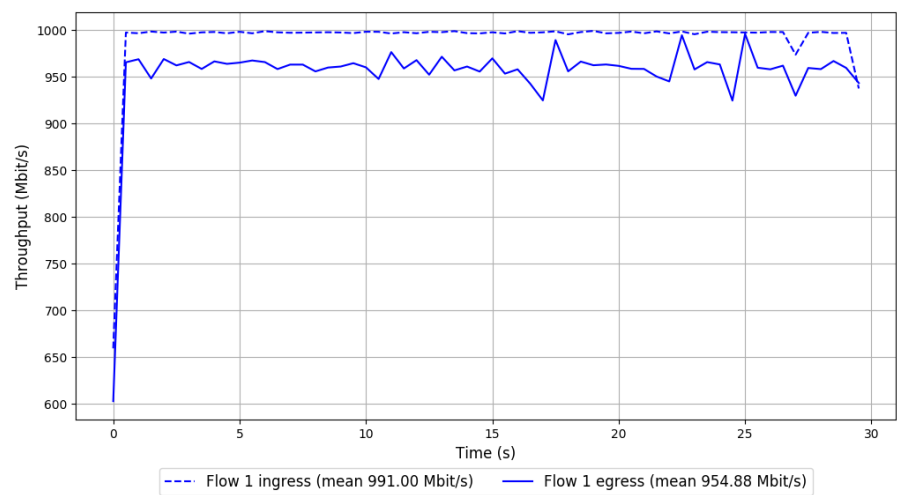Flow 1 (95th percentile 45.79 ms)

259

```
Run 9: Statistics of FillP

Start at: 2018-01-02 03:54:47
End at: 2018-01-02 03:55:17
Local clock offset: 1.013 ms
Remote clock offset: -2.034 ms


# Below is generated by plot.py at 2018-01-02 07:14:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 954.88 Mbit/s
95th percentile per-packet one-way delay: 34.553 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 954.88 Mbit/s
95th percentile per-packet one-way delay: 34.553 ms
Loss rate: 3.64%
```

Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 991.00 Mbit/s)   Flow 1 egress (mean 954.88 Mbit/s)

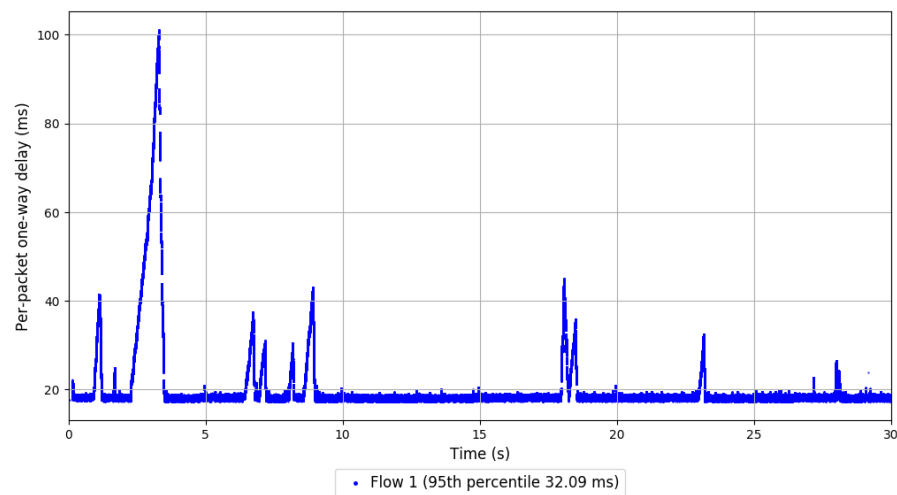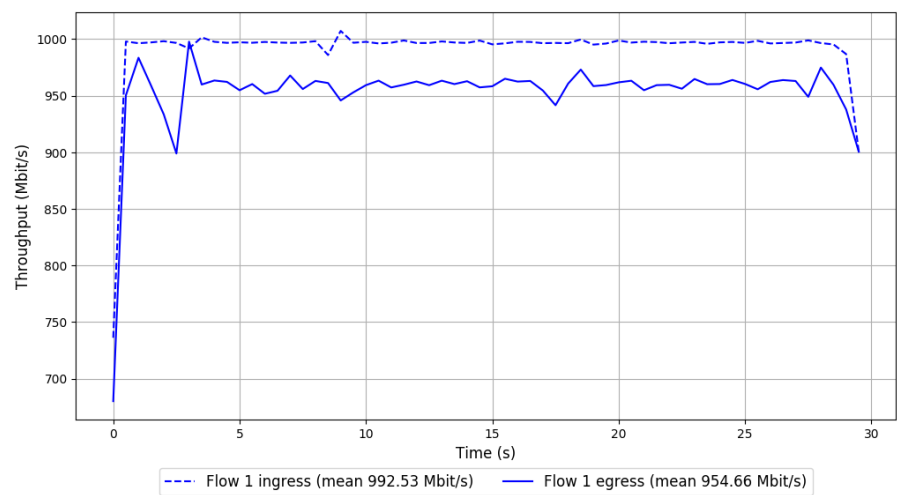Flow 1 (95th percentile 34.55 ms)

```
Run 10: Statistics of FillP

Start at: 2018-01-02 04:15:29
End at: 2018-01-02 04:15:59
Local clock offset: 1.043 ms
Remote clock offset: -2.257 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 954.66 Mbit/s
95th percentile per-packet one-way delay: 32.094 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 954.66 Mbit/s
95th percentile per-packet one-way delay: 32.094 ms
Loss rate: 3.81%
```

Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 992.53 Mbit/s)   Flow 1 egress (mean 954.66 Mbit/s)

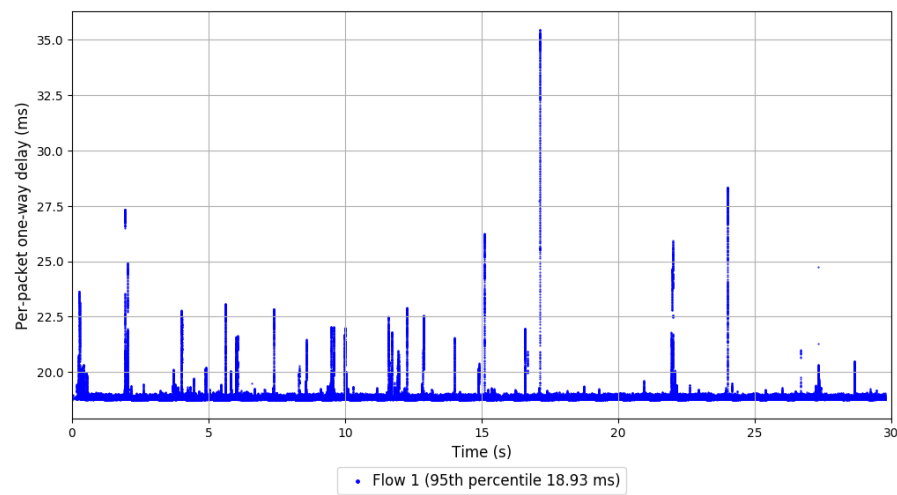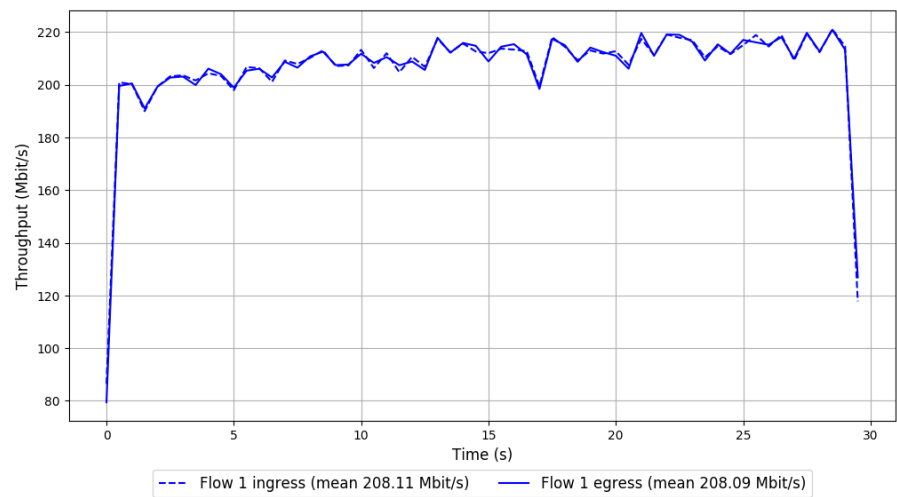Flow 1 (95th percentile 32.09 ms)

263

```
Run 1: Statistics of Indigo

Start at: 2018-01-02 01:01:37
End at: 2018-01-02 01:02:07
Local clock offset: -0.341 ms
Remote clock offset: -0.894 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.09 Mbit/s
95th percentile per-packet one-way delay: 18.927 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 208.09 Mbit/s
95th percentile per-packet one-way delay: 18.927 ms
Loss rate: 0.01%
```
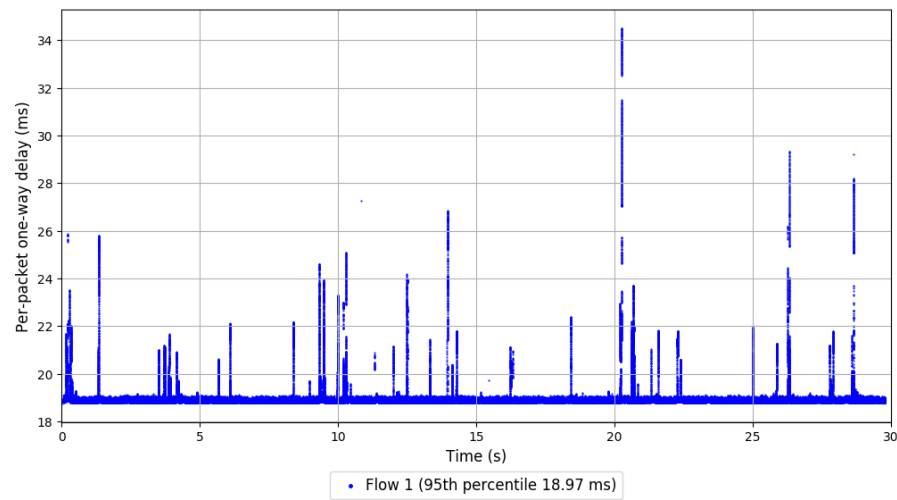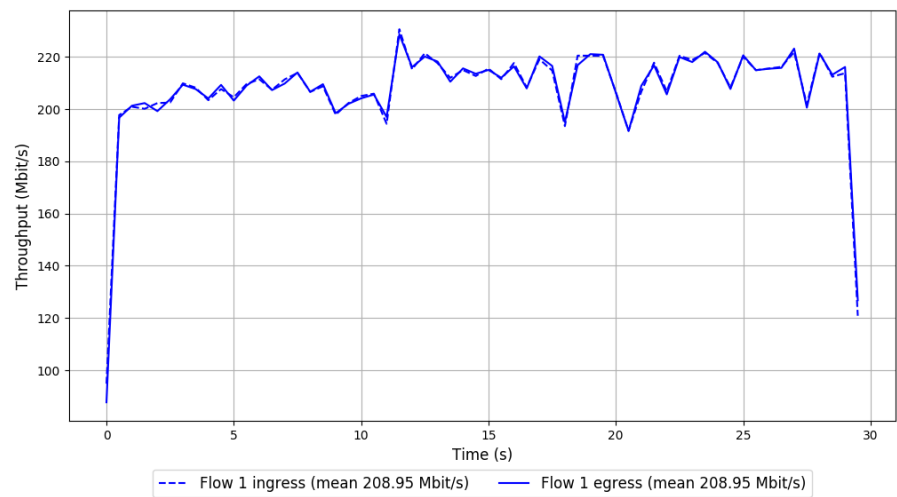
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2018-01-02 01:21:38
End at: 2018-01-02 01:22:08
Local clock offset: 0.032 ms
Remote clock offset: -0.678 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.95 Mbit/s
95th percentile per-packet one-way delay: 18.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.95 Mbit/s
95th percentile per-packet one-way delay: 18.971 ms
Loss rate: 0.00%
```
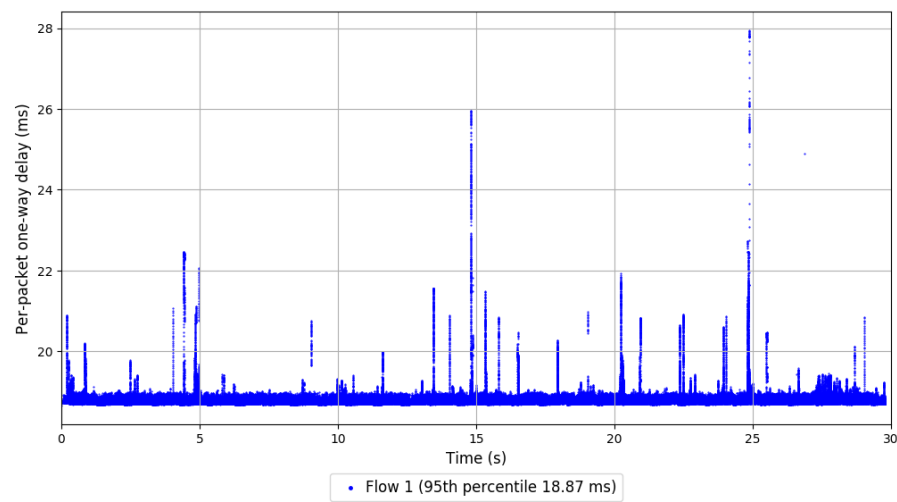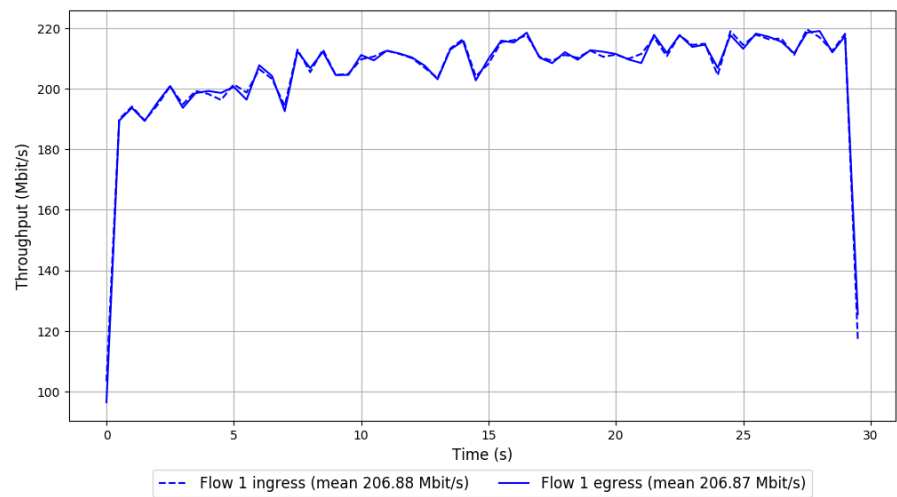
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2018-01-02 01:42:14
End at: 2018-01-02 01:42:44
Local clock offset: 0.154 ms
Remote clock offset: -0.945 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.87 Mbit/s
95th percentile per-packet one-way delay: 18.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.87 Mbit/s
95th percentile per-packet one-way delay: 18.868 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2018-01-02 02:02:37
End at: 2018-01-02 02:03:07
Local clock offset: 0.113 ms
Remote clock offset: -1.068 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.60 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.60 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.00%
```
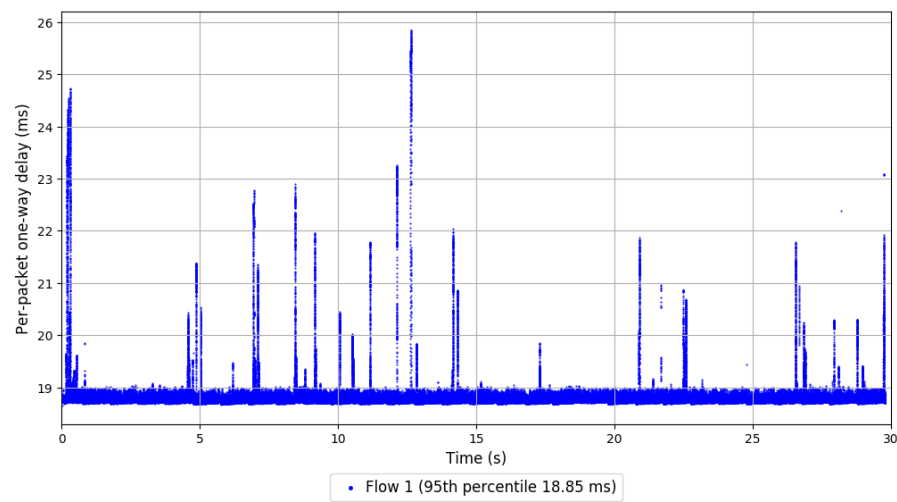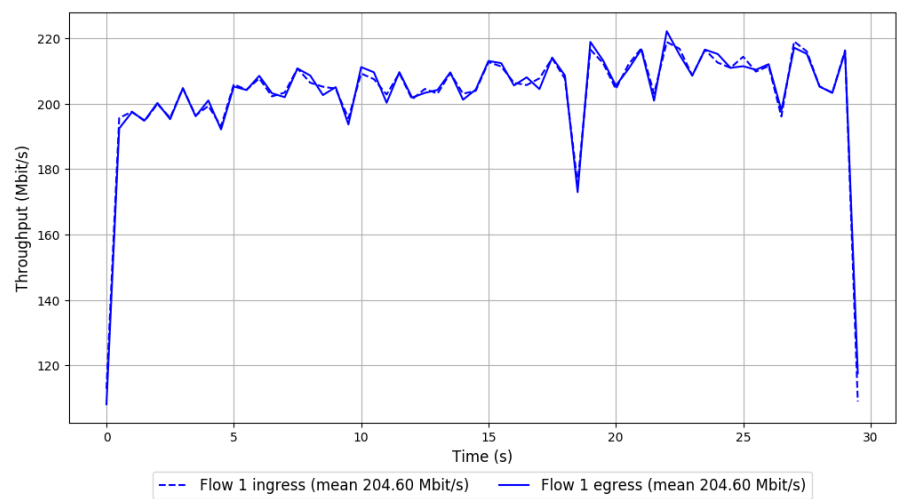
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2018-01-02 02:23:03
End at: 2018-01-02 02:23:33
Local clock offset: 0.504 ms
Remote clock offset: -1.116 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.07 Mbit/s
95th percentile per-packet one-way delay: 18.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.07 Mbit/s
95th percentile per-packet one-way delay: 18.891 ms
Loss rate: 0.00%
```
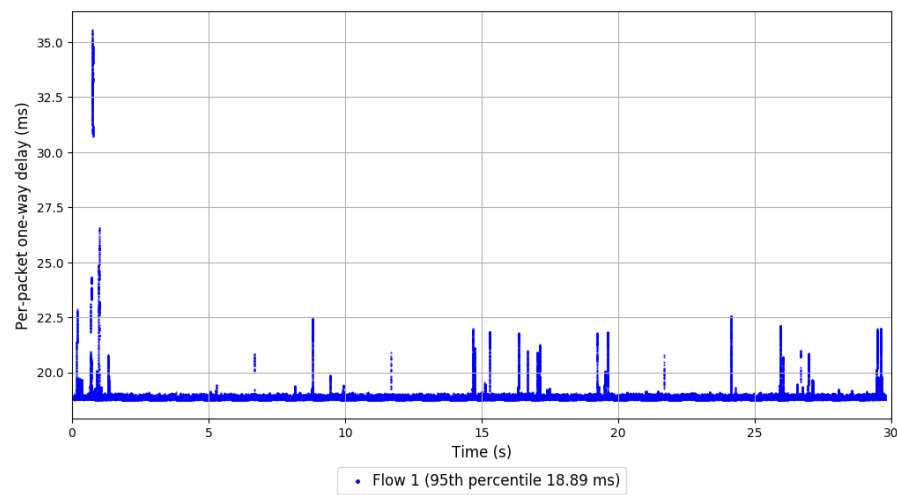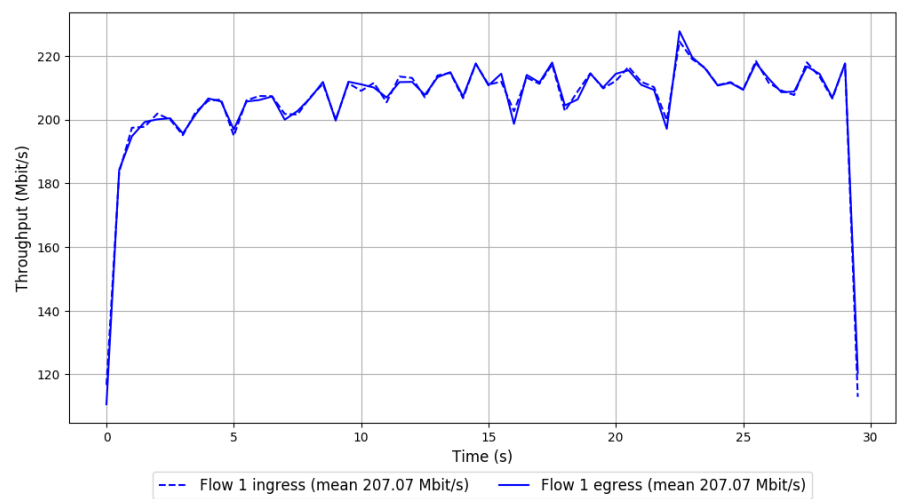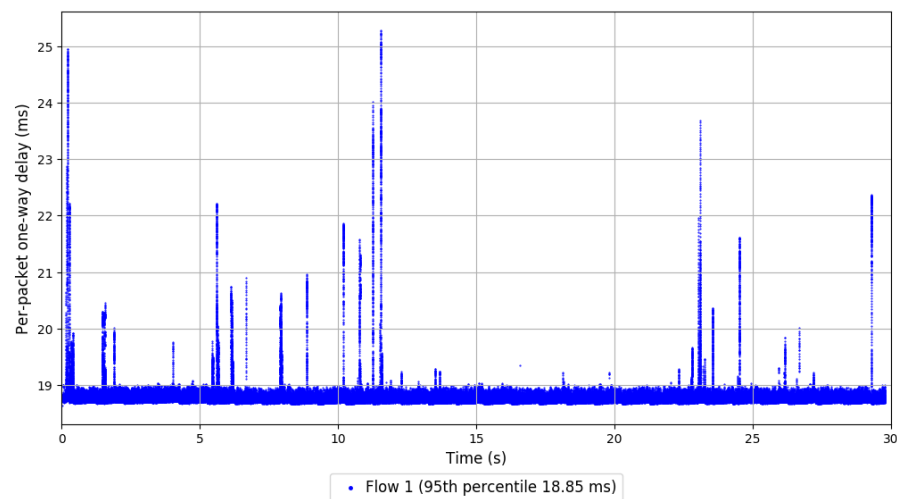
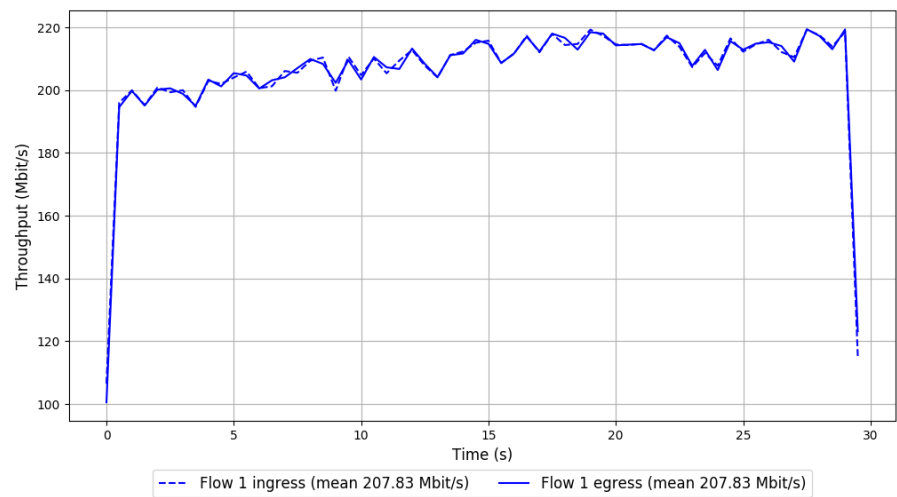# Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2018-01-02 02:43:41
End at: 2018-01-02 02:44:11
Local clock offset: 0.757 ms
Remote clock offset: -1.085 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.83 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.83 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.00%
```
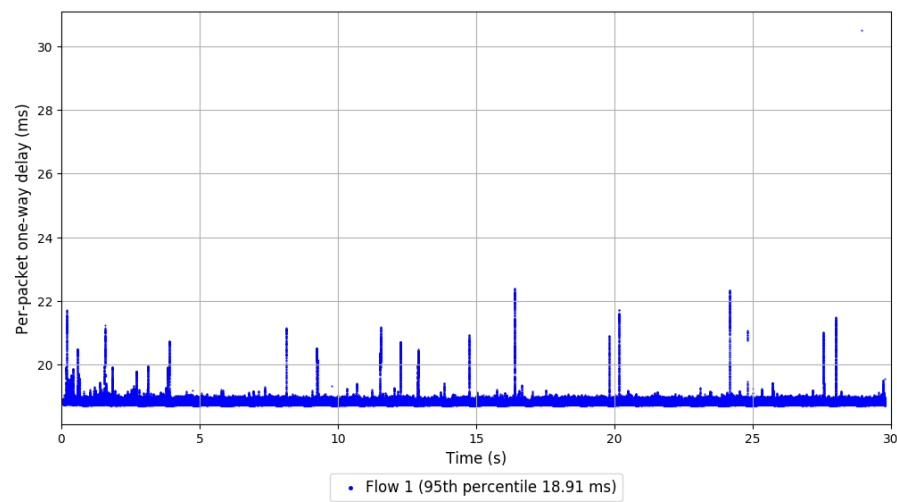
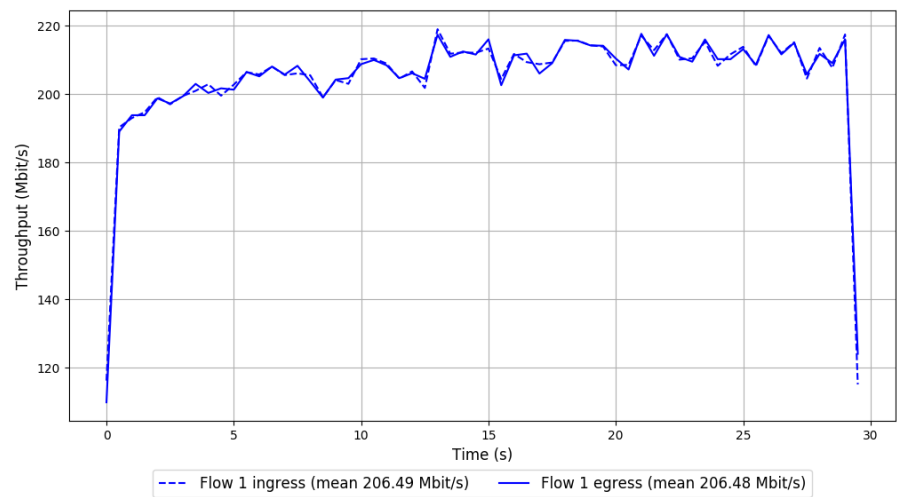# Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2018-01-02 03:04:09
End at: 2018-01-02 03:04:39
Local clock offset: 0.78 ms
Remote clock offset: -1.216 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.48 Mbit/s
95th percentile per-packet one-way delay: 18.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.48 Mbit/s
95th percentile per-packet one-way delay: 18.906 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-01-02 03:24:32
End at: 2018-01-02 03:25:02
Local clock offset: 0.986 ms
Remote clock offset: -1.471 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.54 Mbit/s
95th percentile per-packet one-way delay: 18.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.54 Mbit/s
95th percentile per-packet one-way delay: 18.776 ms
Loss rate: 0.00%
```
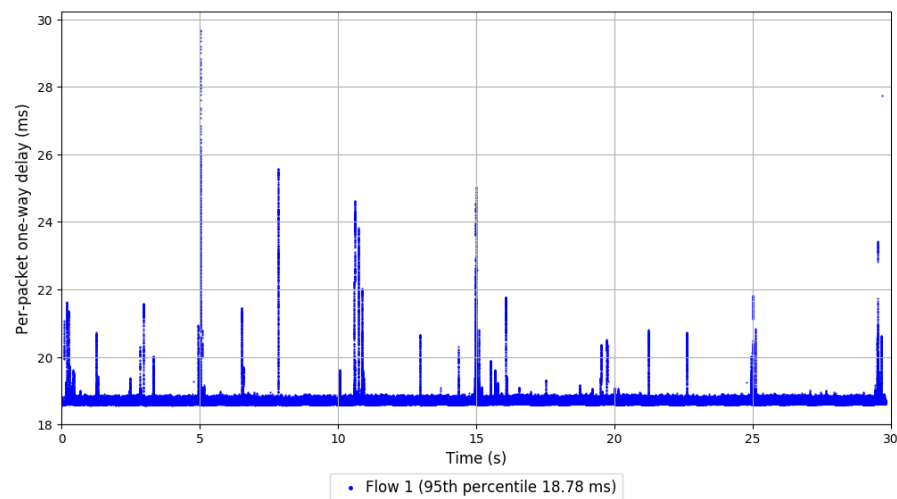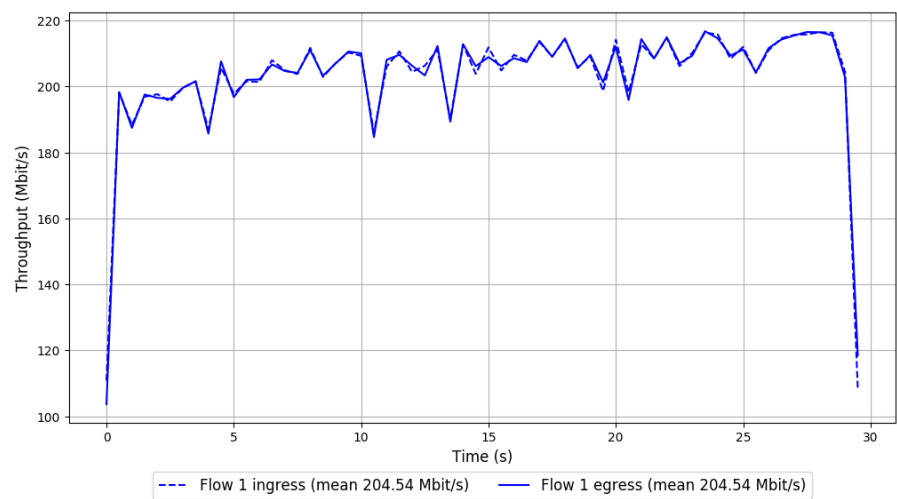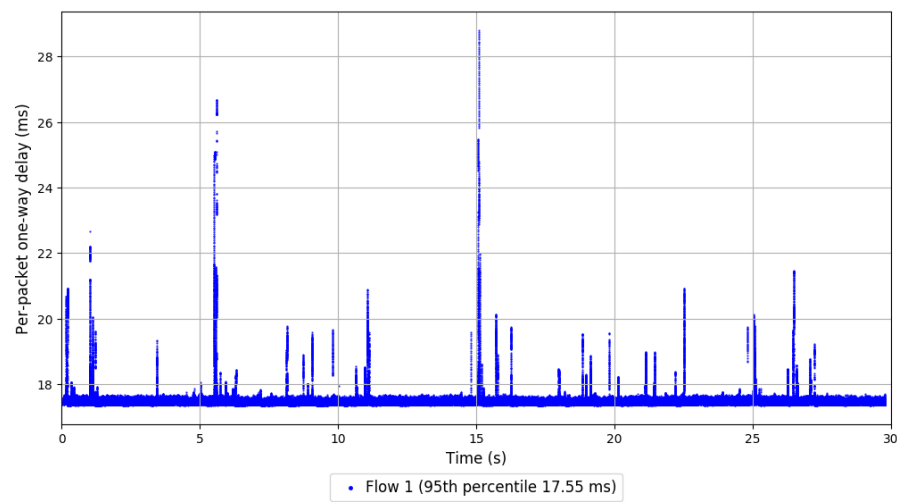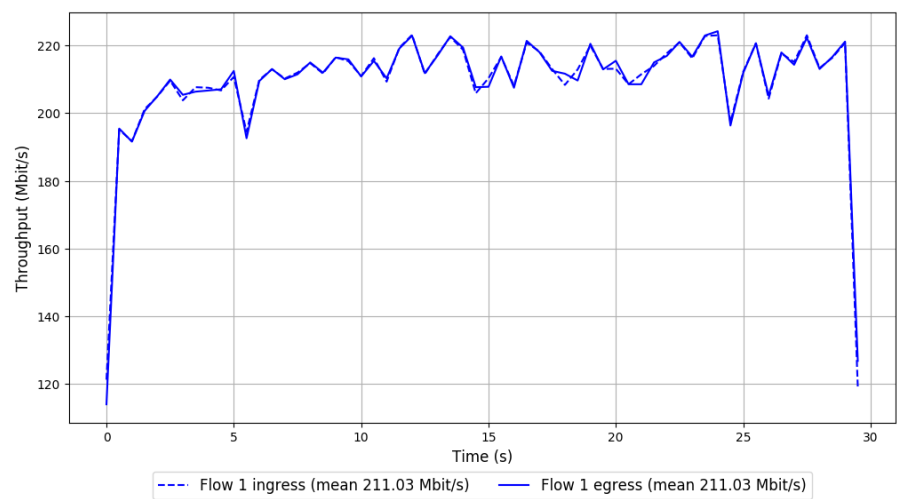
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2018-01-02 03:45:01
End at: 2018-01-02 03:45:31
Local clock offset: 0.945 ms
Remote clock offset: -1.861 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.03 Mbit/s
95th percentile per-packet one-way delay: 17.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.03 Mbit/s
95th percentile per-packet one-way delay: 17.551 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2018-01-02 04:05:42
End at: 2018-01-02 04:06:12
Local clock offset: 1.043 ms
Remote clock offset: -2.265 ms


# Below is generated by plot.py at 2018-01-02 07:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.93 Mbit/s
95th percentile per-packet one-way delay: 18.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.93 Mbit/s
95th percentile per-packet one-way delay: 18.920 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link