Pantheon Report
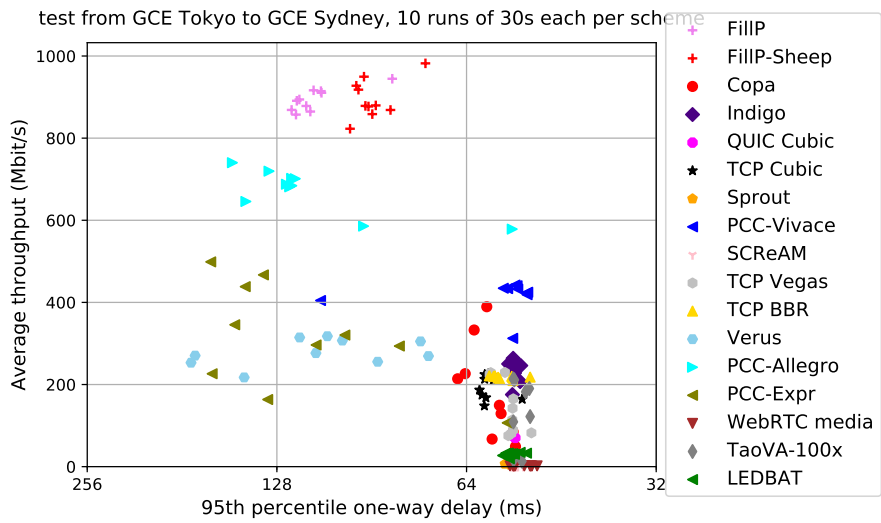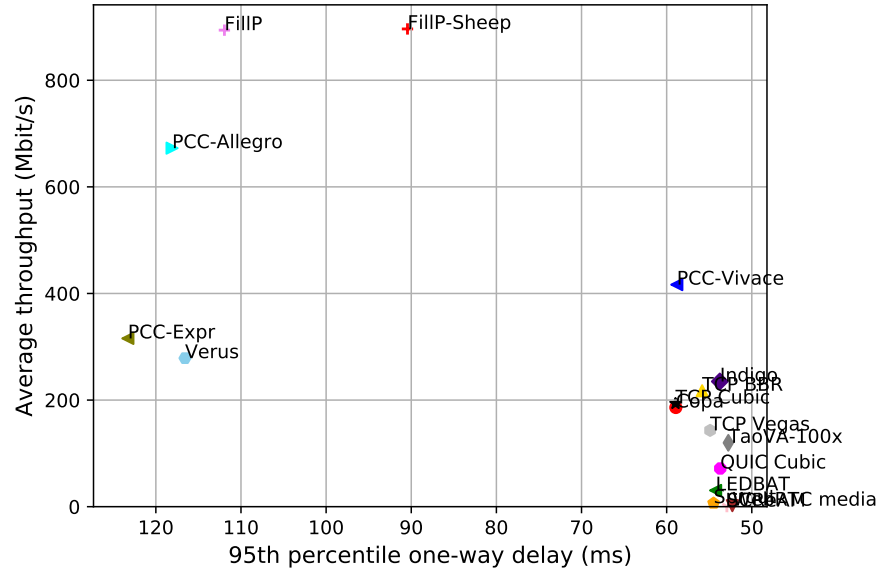
Generated at 2018-08-04 00:18:14 (UTC).

Data path: GCE Tokyo Ethernet (*remote*) →GCE Sydney Ethernet (*local*).

Repeated the test of 17 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).

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

```
Git summary:
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
 M src/ScreamClient
 M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Tokyo to GCE Sydney, 10 runs of 30s each per scheme
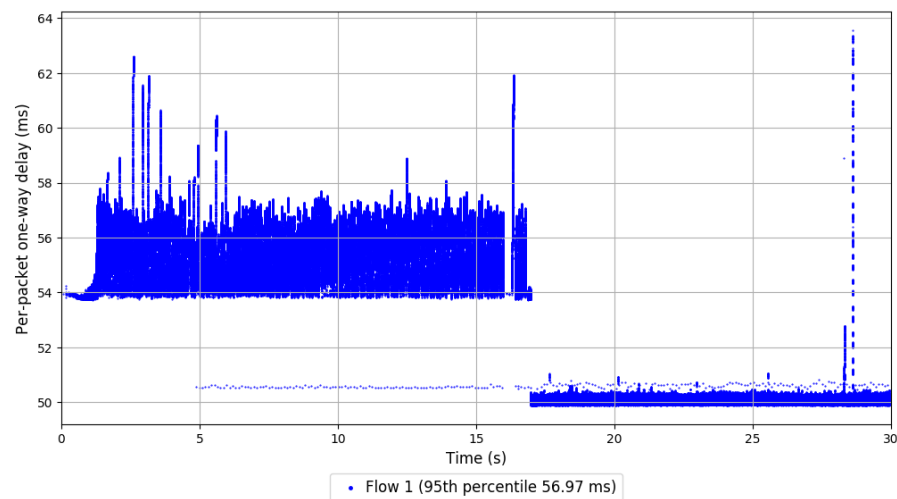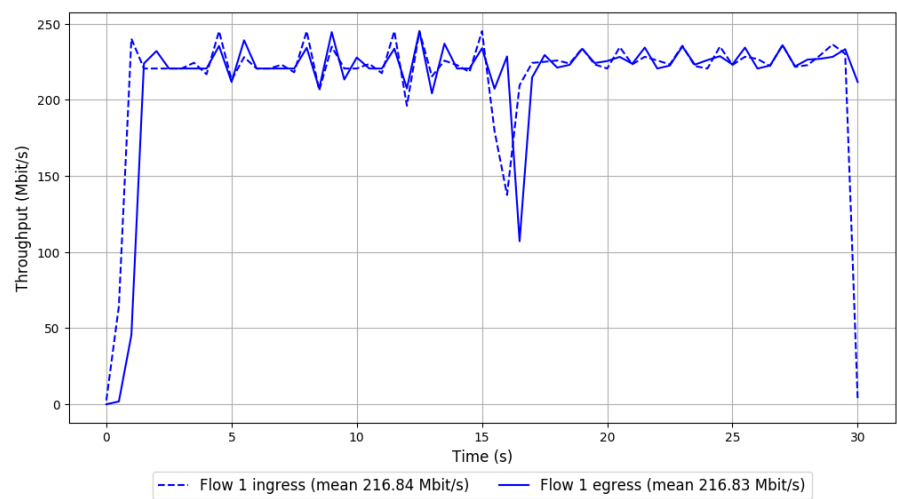(mean of all runs by scheme)

test from GCE Tokyo to GCE Sydney, 10 runs of 30s each per scheme

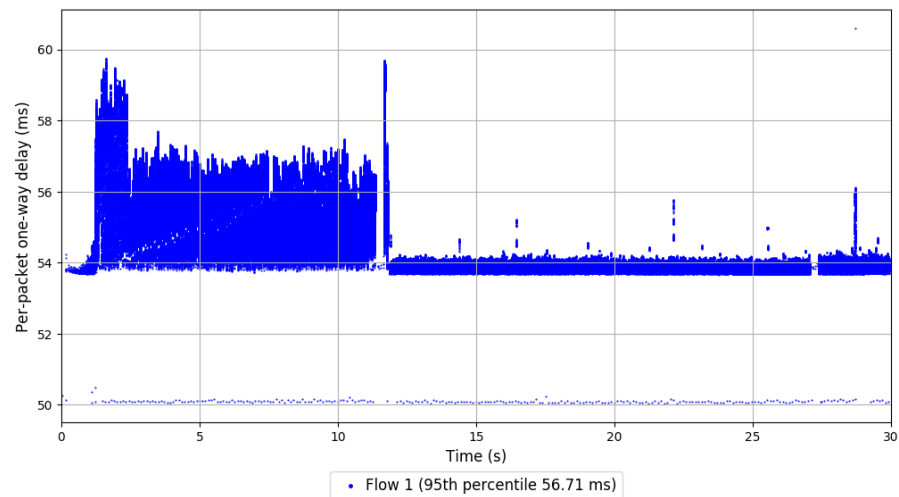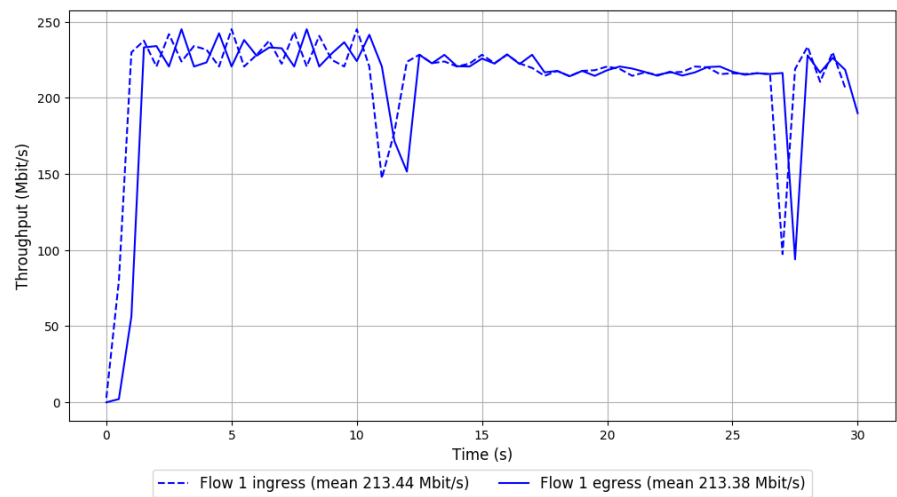| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	217.46	55.83	0.36
Copa	10	186.11	58.92	0.32
TCP Cubic	10	193.49	58.96	0.39
FillP	10	894.03	111.95	1.93
FillP-Sheep	10	896.28	90.44	0.53
Indigo	10	234.93	53.76	0.33
LEDBAT	10	30.53	54.25	0.68
PCC-Allegro	10	672.63	118.09	1.58
PCC-Expr	10	315.65	123.29	3.48
QUIC Cubic	3	71.68	53.71	0.56
SCReAM	10	0.21	52.93	0.35
Sprout	10	6.68	54.49	0.33
TaoVA-100x	9	119.81	52.76	0.17
TCP Vegas	10	143.14	54.90	0.36
Verus	10	278.66	116.58	1.59
PCC-Vivace	10	416.59	58.81	0.46
WebRTC media	10	1.88	52.29	0.38

3

```
Run 1: Statistics of TCP BBR

Start at: 2018-08-03 18:52:55
End at: 2018-08-03 18:53:25
Local clock offset: -0.106 ms
Remote clock offset: -0.304 ms

# Below is generated by plot.py at 2018-08-03 22:30:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.83 Mbit/s
95th percentile per-packet one-way delay: 56.967 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 216.83 Mbit/s
95th percentile per-packet one-way delay: 56.967 ms
Loss rate: 0.36%
```
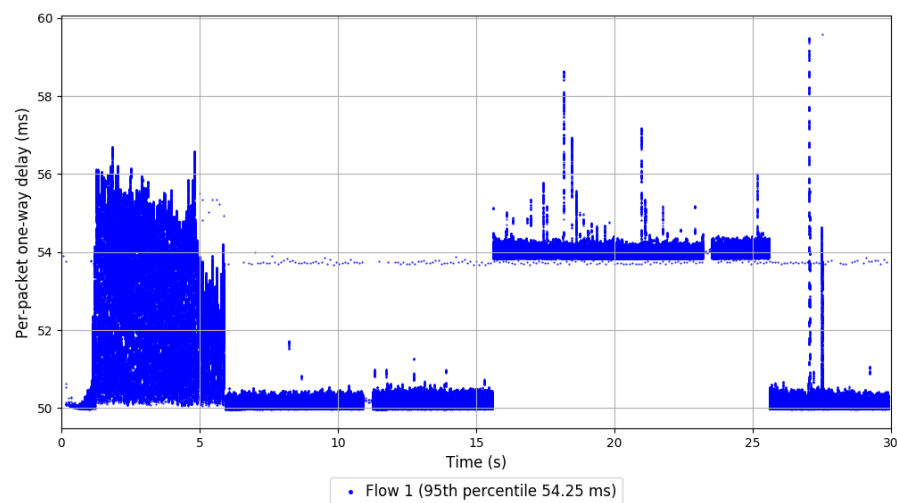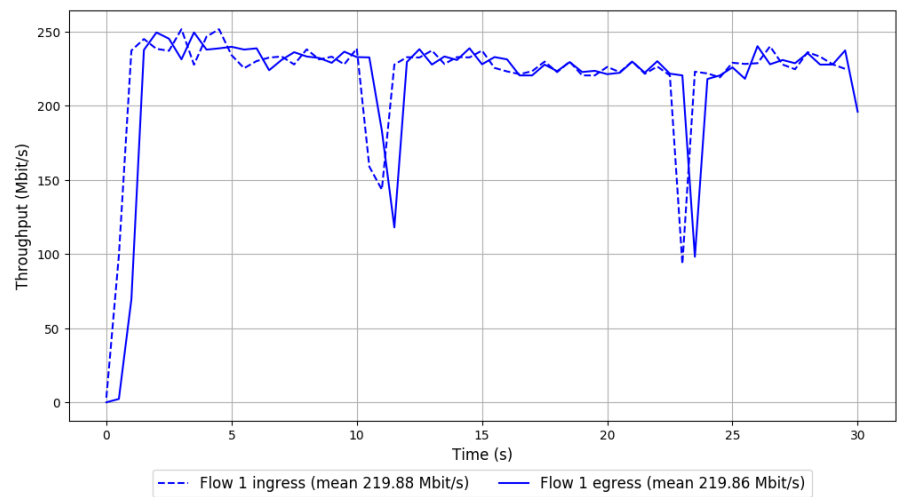
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2018-08-03 19:15:27
End at: 2018-08-03 19:15:57
Local clock offset: -0.085 ms
Remote clock offset: -0.227 ms


# Below is generated by plot.py at 2018-08-03 22:30:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.38 Mbit/s
95th percentile per-packet one-way delay: 56.710 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 213.38 Mbit/s
95th percentile per-packet one-way delay: 56.710 ms
Loss rate: 0.36%
```

Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 213.44 Mbit/s)   Flow 1 egress (mean 213.38 Mbit/s)

Flow 1 (95th percentile 56.71 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2018-08-03 19:37:46
End at: 2018-08-03 19:38:16
Local clock offset: 0.04 ms
Remote clock offset: -0.209 ms


# Below is generated by plot.py at 2018-08-03 22:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.86 Mbit/s
95th percentile per-packet one-way delay: 54.252 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 219.86 Mbit/s
95th percentile per-packet one-way delay: 54.252 ms
Loss rate: 0.37%
```
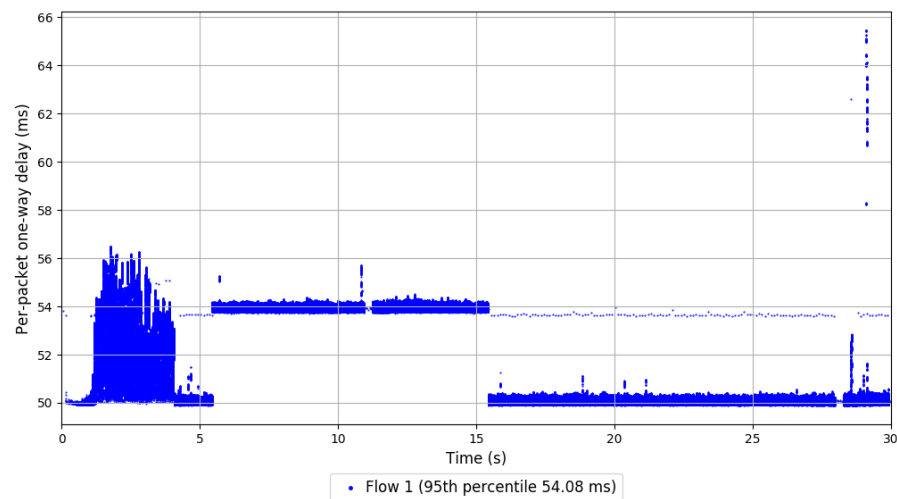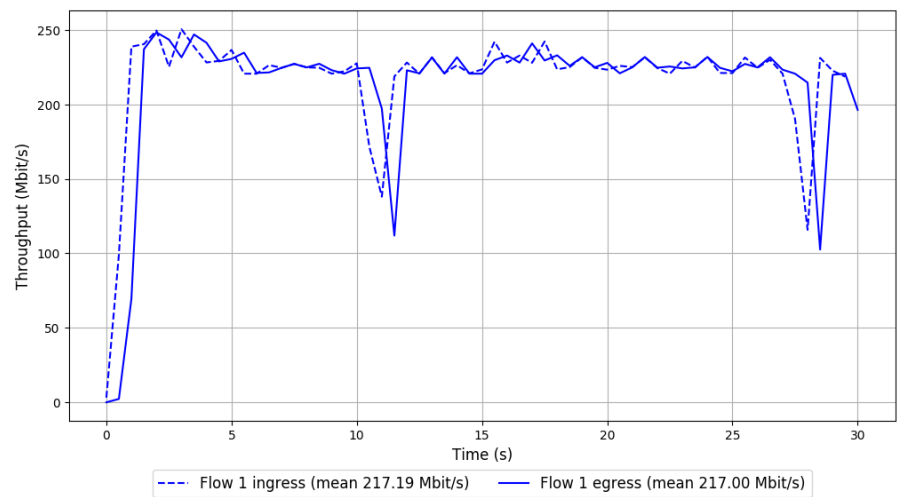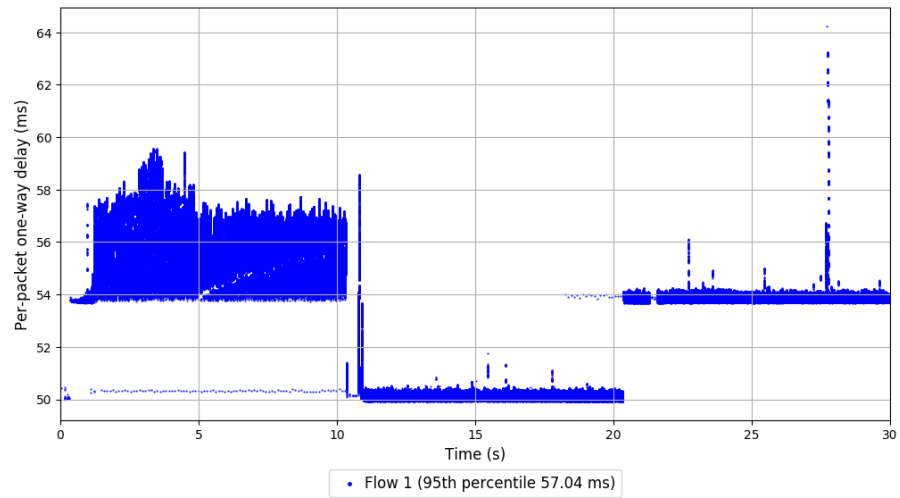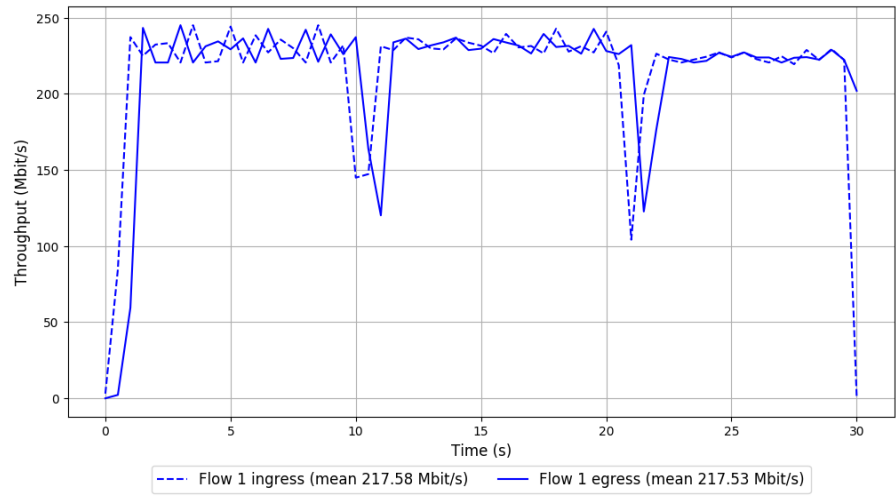
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 219.88 Mbit/s)   Flow 1 egress (mean 219.86 Mbit/s)

Flow 1 (95th percentile 54.25 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2018-08-03 19:59:56
End at: 2018-08-03 20:00:26
Local clock offset: 0.131 ms
Remote clock offset: -0.022 ms


# Below is generated by plot.py at 2018-08-03 22:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.00 Mbit/s
95th percentile per-packet one-way delay: 54.075 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 217.00 Mbit/s
95th percentile per-packet one-way delay: 54.075 ms
Loss rate: 0.37%
```
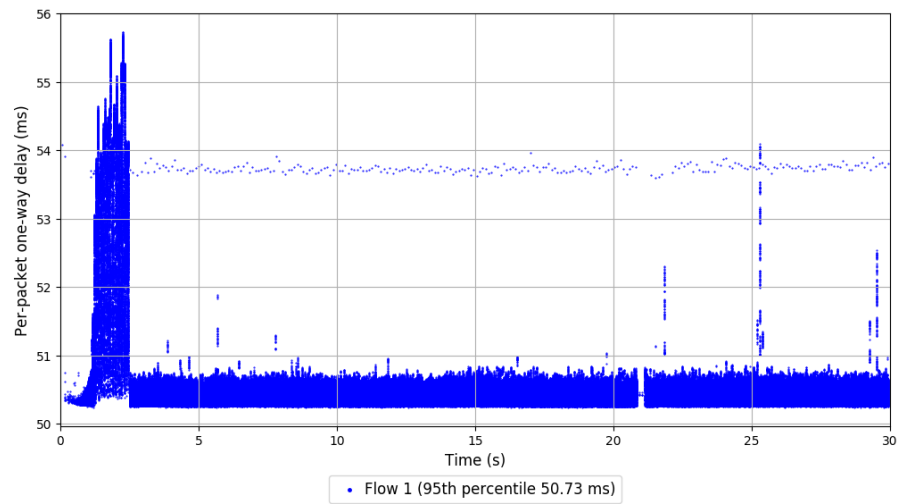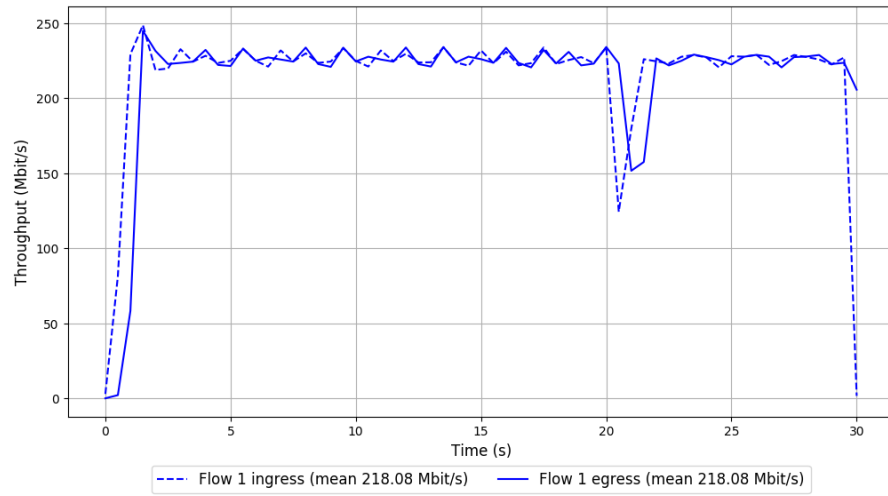
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 217.19 Mbit/s)   Flow 1 egress (mean 217.00 Mbit/s)

Flow 1 (95th percentile 54.08 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2018-08-03 20:22:11
End at: 2018-08-03 20:22:41
Local clock offset: -0.107 ms
Remote clock offset: -0.282 ms


# Below is generated by plot.py at 2018-08-03 22:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.53 Mbit/s
95th percentile per-packet one-way delay: 57.037 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 217.53 Mbit/s
95th percentile per-packet one-way delay: 57.037 ms
Loss rate: 0.38%
```

Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 217.58 Mbit/s)   Flow 1 egress (mean 217.53 Mbit/s)

Flow 1 (95th percentile 57.04 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2018-08-03 20:44:39
End at: 2018-08-03 20:45:09
Local clock offset: 0.133 ms
Remote clock offset: -0.414 ms


# Below is generated by plot.py at 2018-08-03 22:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.08 Mbit/s
95th percentile per-packet one-way delay: 50.725 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 218.08 Mbit/s
95th percentile per-packet one-way delay: 50.725 ms
Loss rate: 0.36%
```
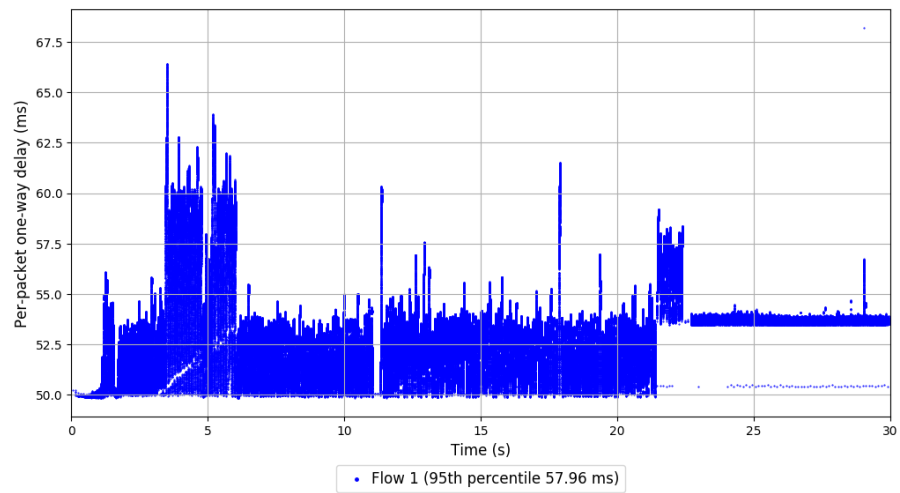
Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: 2018-08-03 21:07:10
End at: 2018-08-03 21:07:40
Local clock offset: 0.032 ms
Remote clock offset: -0.03 ms


# Below is generated by plot.py at 2018-08-03 22:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.20 Mbit/s
95th percentile per-packet one-way delay: 57.960 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 220.20 Mbit/s
95th percentile per-packet one-way delay: 57.960 ms
Loss rate: 0.34%
```
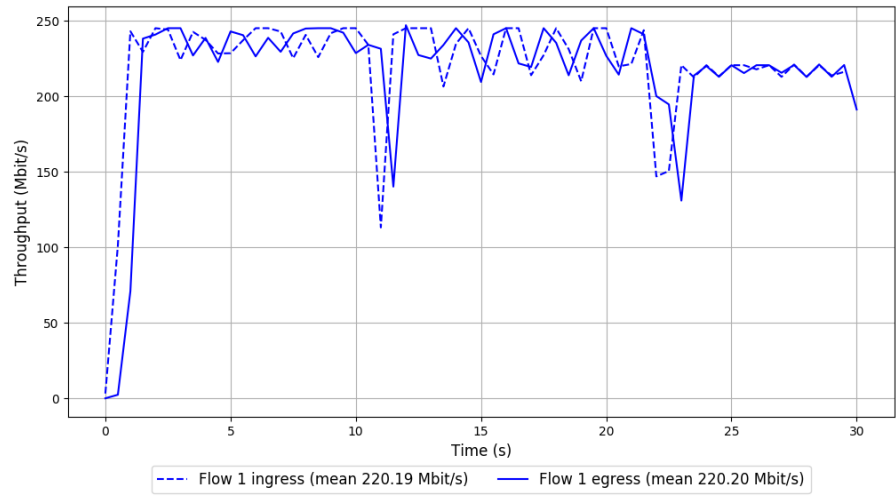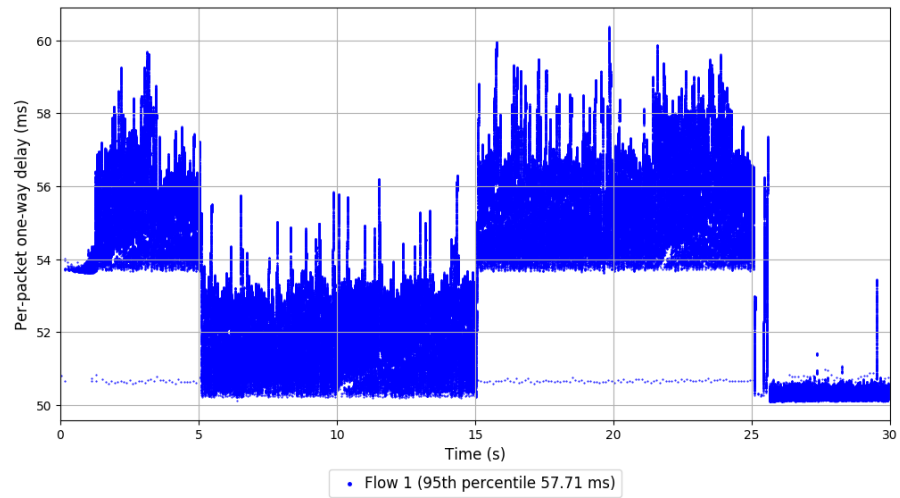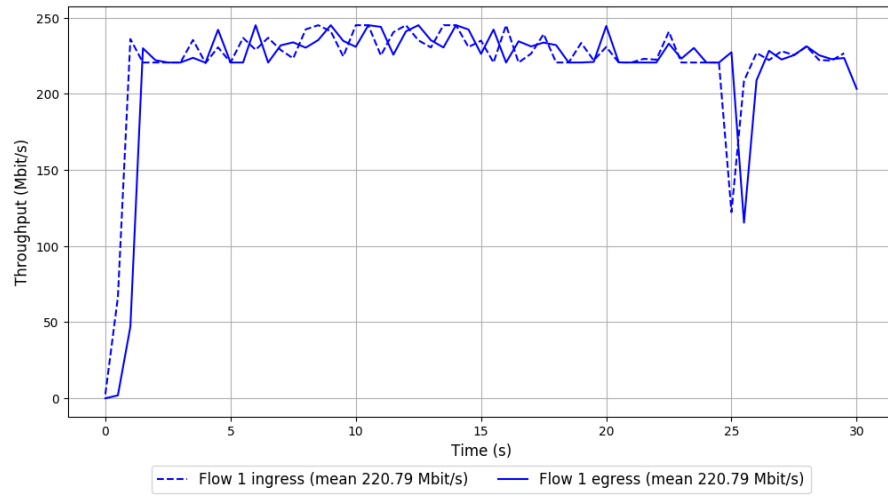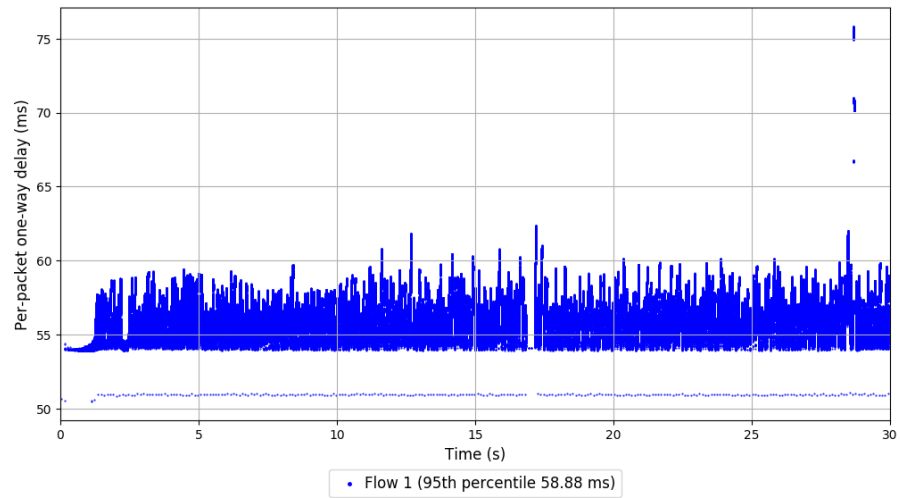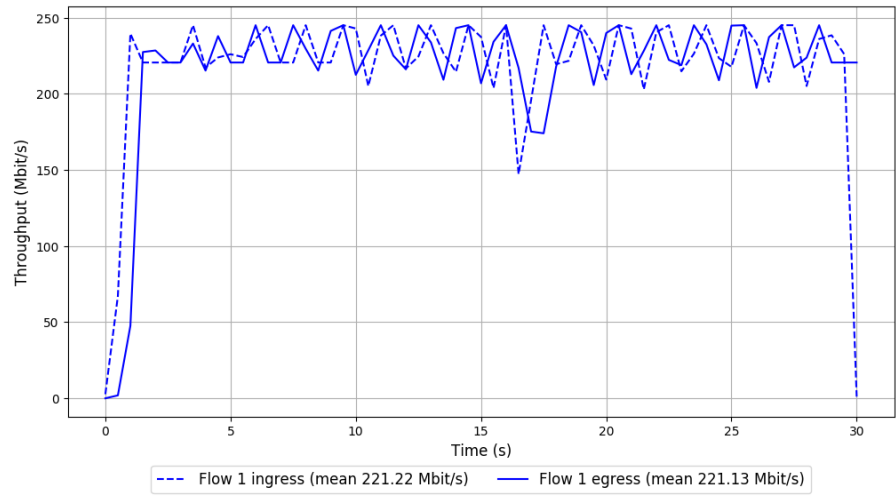
Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2018-08-03 21:29:27
End at: 2018-08-03 21:29:57
Local clock offset: 0.027 ms
Remote clock offset: -0.175 ms


# Below is generated by plot.py at 2018-08-03 22:30:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.79 Mbit/s
95th percentile per-packet one-way delay: 57.713 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 220.79 Mbit/s
95th percentile per-packet one-way delay: 57.713 ms
Loss rate: 0.35%
```
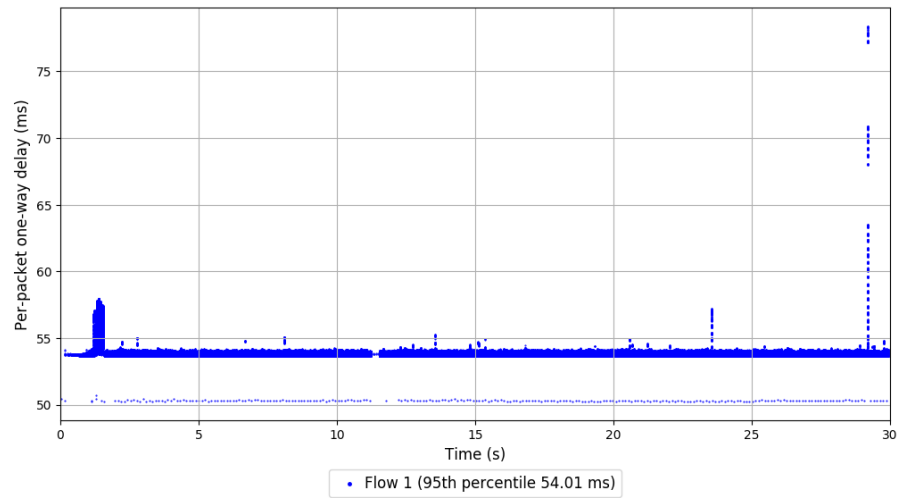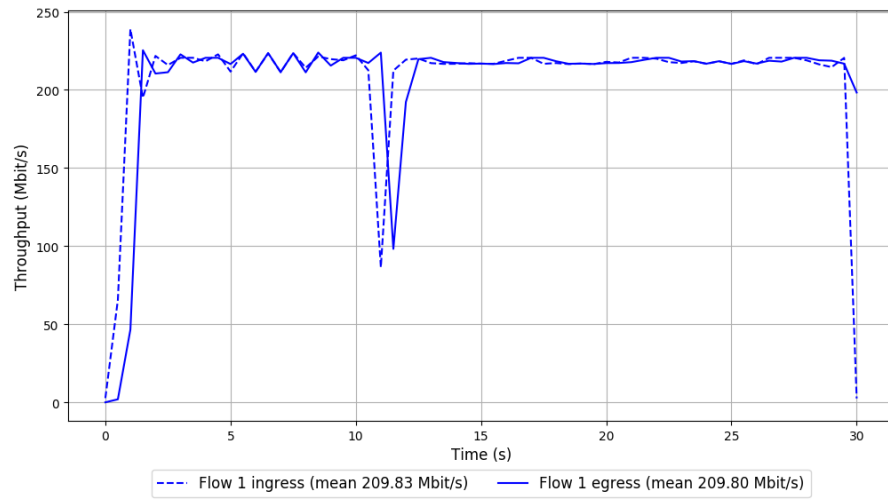
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 220.79 Mbit/s)   Flow 1 egress (mean 220.79 Mbit/s)

Flow 1 (95th percentile 57.71 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2018-08-03 21:51:18
End at: 2018-08-03 21:51:48
Local clock offset: 0.165 ms
Remote clock offset: -0.304 ms


# Below is generated by plot.py at 2018-08-03 22:33:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 58.883 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 58.883 ms
Loss rate: 0.37%
```
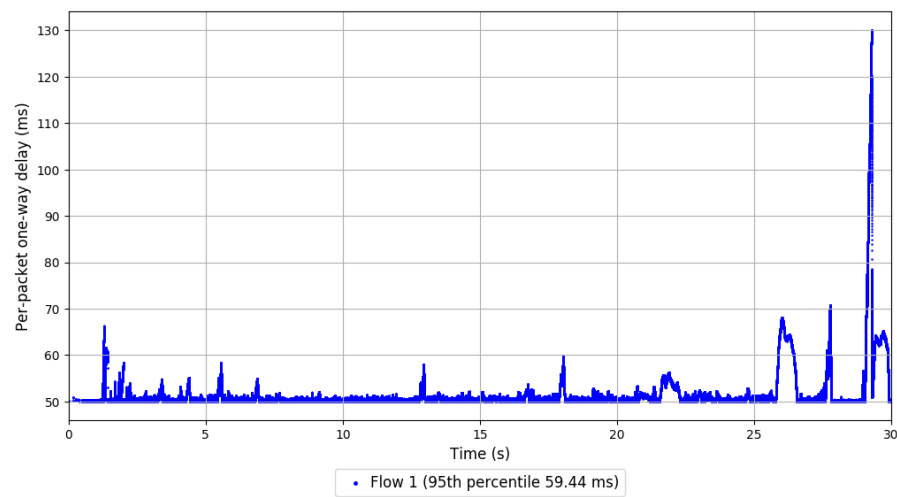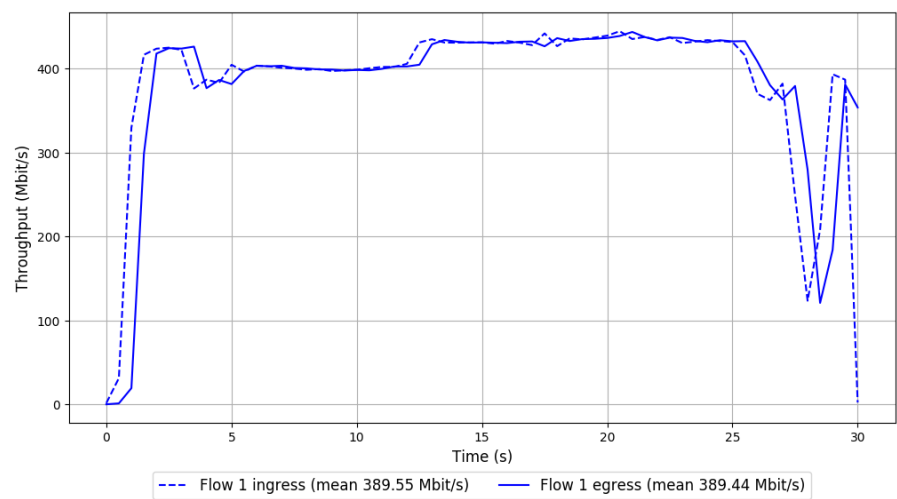
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 221.22 Mbit/s)   Flow 1 egress (mean 221.13 Mbit/s)

Flow 1 (95th percentile 58.88 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2018-08-03 22:13:15
End at: 2018-08-03 22:13:45
Local clock offset: -0.045 ms
Remote clock offset: -0.252 ms


# Below is generated by plot.py at 2018-08-03 22:33:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.80 Mbit/s
95th percentile per-packet one-way delay: 54.007 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 209.80 Mbit/s
95th percentile per-packet one-way delay: 54.007 ms
Loss rate: 0.35%
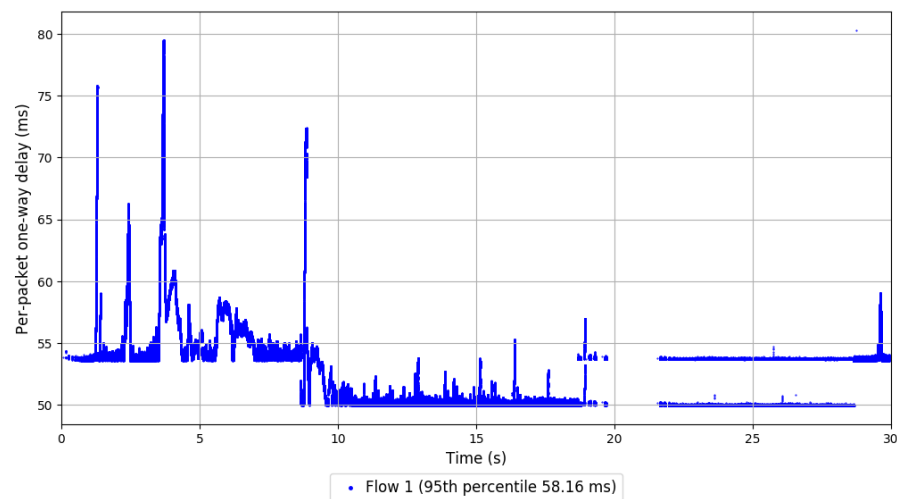```

Run 10: Report of TCP BBR — Data Link



Flow 1 ingress (mean 209.83 Mbit/s)    Flow 1 egress (mean 209.80 Mbit/s)

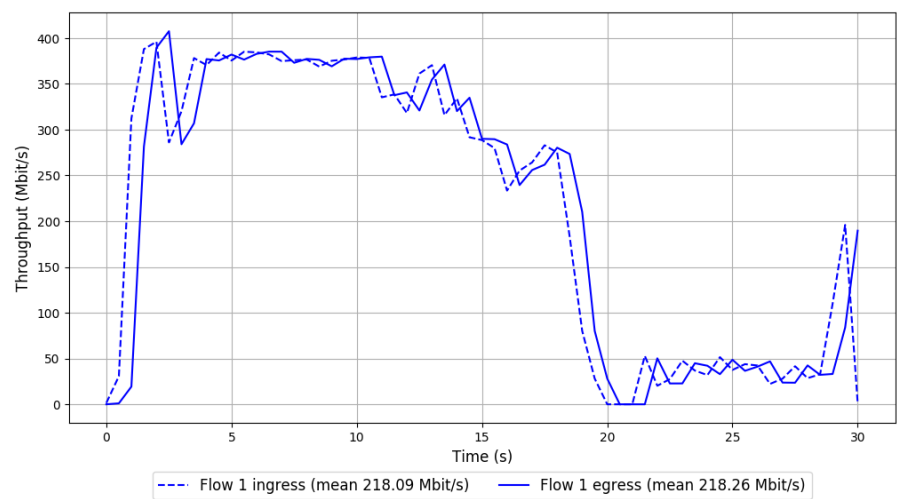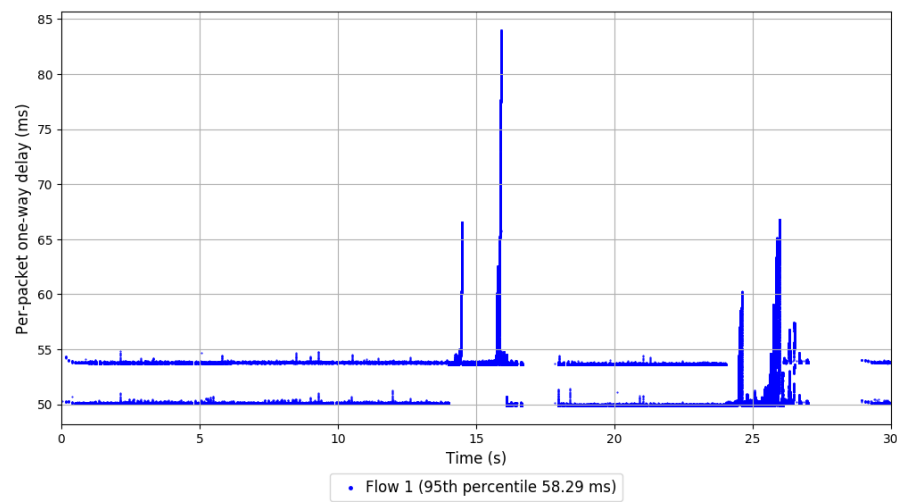

Flow 1 (95th percentile 54.01 ms)

```
Run 1: Statistics of Copa

Start at: 2018-08-03 18:50:01
End at: 2018-08-03 18:50:31
Local clock offset: -0.04 ms
Remote clock offset: -0.412 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.44 Mbit/s
95th percentile per-packet one-way delay: 59.439 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 389.44 Mbit/s
95th percentile per-packet one-way delay: 59.439 ms
Loss rate: 0.36%
```

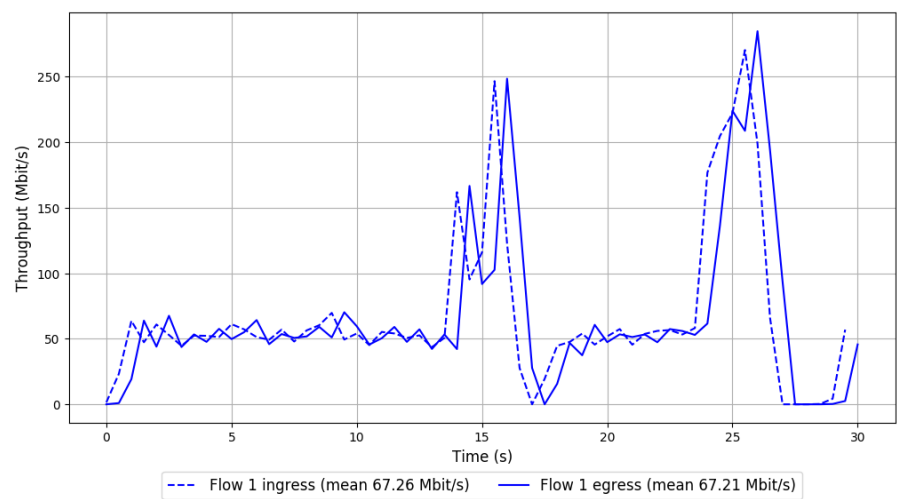Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2018-08-03 19:12:43
End at: 2018-08-03 19:13:13
Local clock offset: 0.203 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.26 Mbit/s
95th percentile per-packet one-way delay: 58.162 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 218.26 Mbit/s
95th percentile per-packet one-way delay: 58.162 ms
Loss rate: 0.27%
```

Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2018-08-03 19:35:15
End at: 2018-08-03 19:35:45
Local clock offset: 0.038 ms
Remote clock offset: -0.133 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 58.290 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 58.290 ms
Loss rate: 0.32%
```

Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2018-08-03 19:57:25
End at: 2018-08-03 19:57:55
Local clock offset: 0.119 ms
Remote clock offset: 1.068 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.48 Mbit/s
95th percentile per-packet one-way delay: 64.307 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 226.48 Mbit/s
95th percentile per-packet one-way delay: 64.307 ms
Loss rate: 0.11%
```
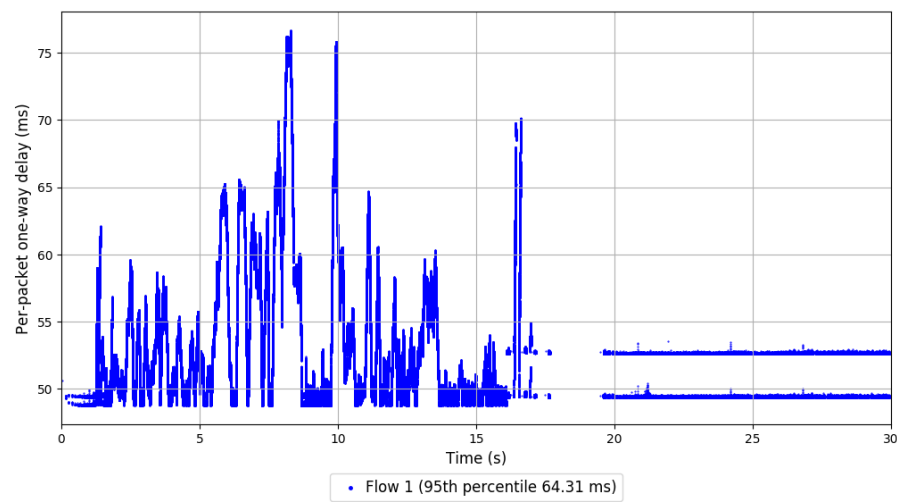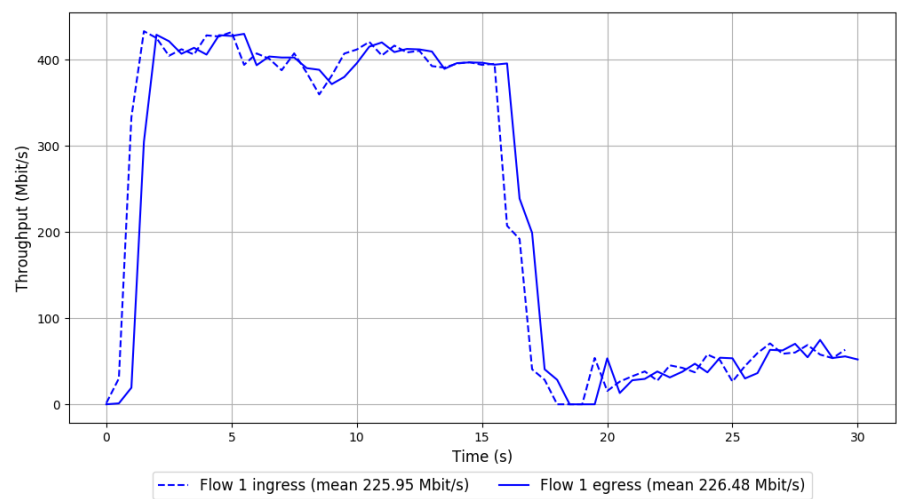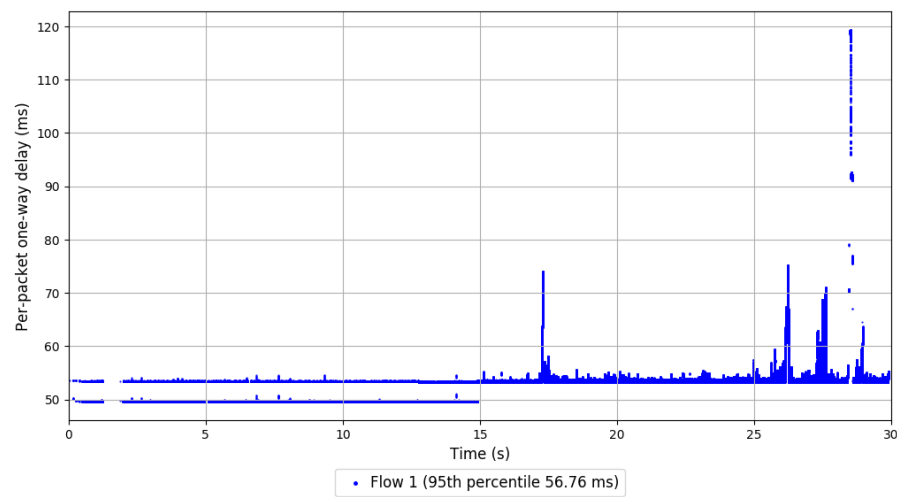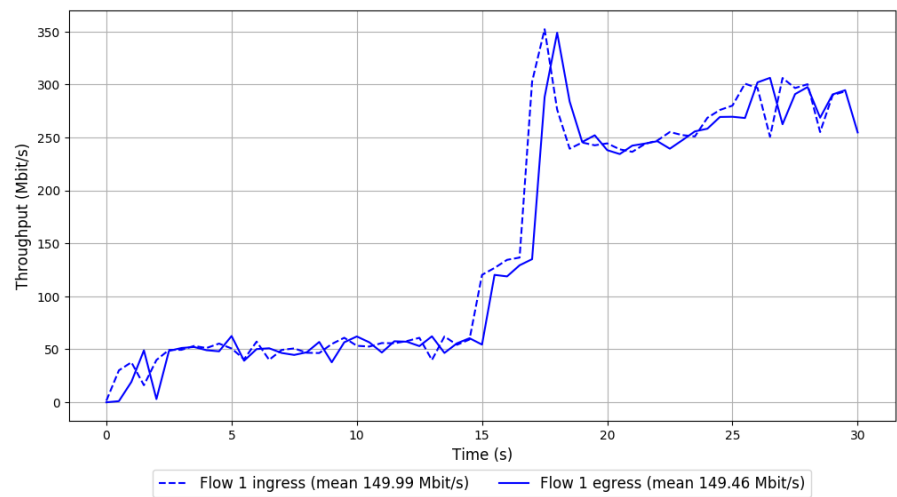
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 225.95 Mbit/s)   Flow 1 egress (mean 226.48 Mbit/s)

Flow 1 (95th percentile 64.31 ms)

```
Run 5: Statistics of Copa

Start at: 2018-08-03 20:19:47
End at: 2018-08-03 20:20:17
Local clock offset: -0.24 ms
Remote clock offset: -0.071 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.46 Mbit/s
95th percentile per-packet one-way delay: 56.761 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 149.46 Mbit/s
95th percentile per-packet one-way delay: 56.761 ms
Loss rate: 0.70%
```

Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2018-08-03 20:41:42
End at: 2018-08-03 20:42:13
Local clock offset: 0.029 ms
Remote clock offset: 1.207 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 332.79 Mbit/s
95th percentile per-packet one-way delay: 62.248 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 332.79 Mbit/s
95th percentile per-packet one-way delay: 62.248 ms
Loss rate: 0.46%
```
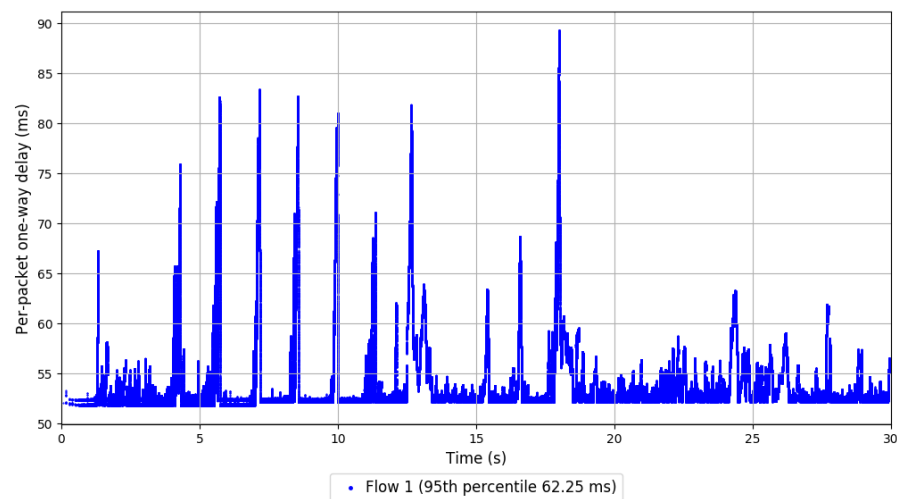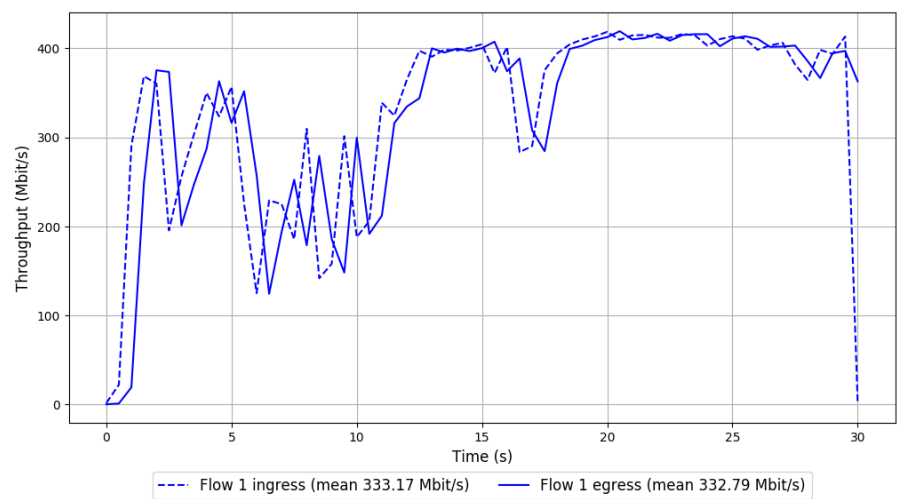
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2018-08-03 21:04:24
End at: 2018-08-03 21:04:54
Local clock offset: 0.148 ms
Remote clock offset: 0.007 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.97 Mbit/s
95th percentile per-packet one-way delay: 66.109 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 213.97 Mbit/s
95th percentile per-packet one-way delay: 66.109 ms
Loss rate: 0.25%
```
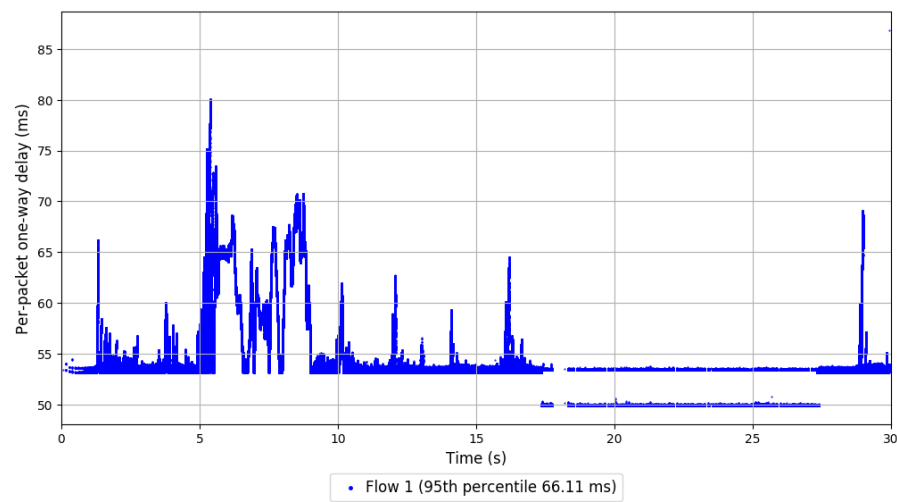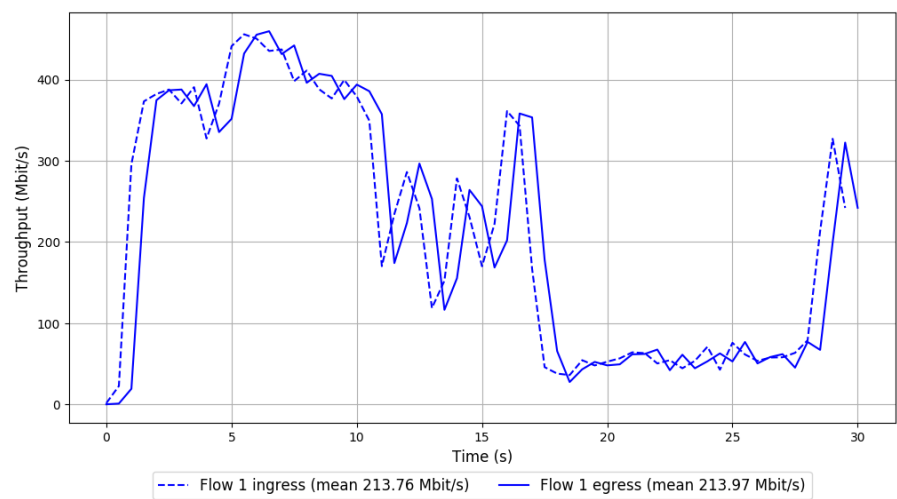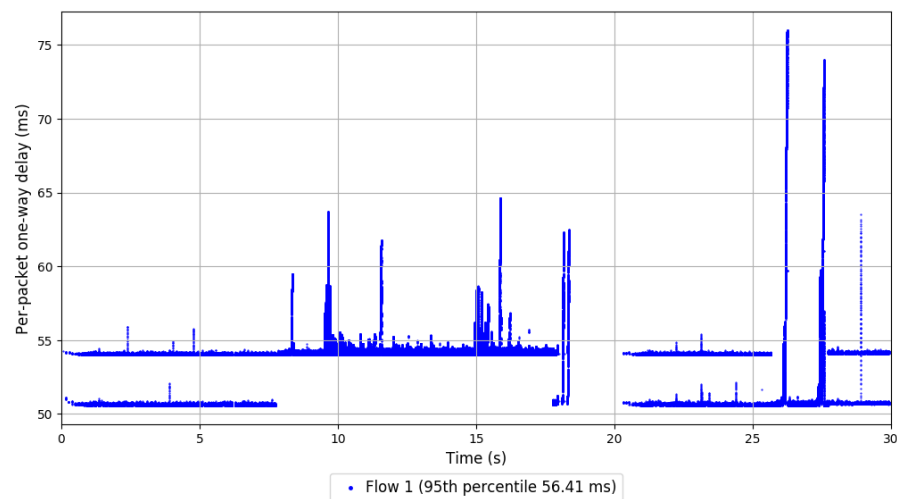
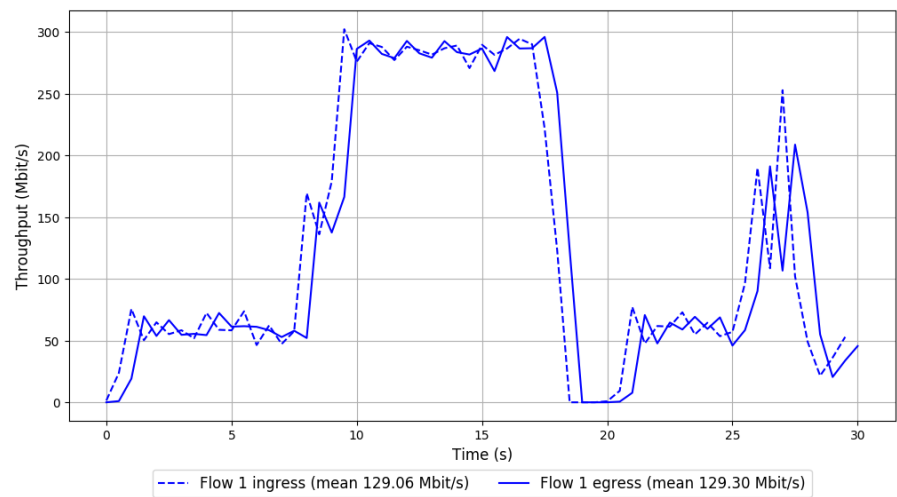Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2018-08-03 21:27:04
End at: 2018-08-03 21:27:34
Local clock offset: 0.244 ms
Remote clock offset: -0.423 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 129.30 Mbit/s
95th percentile per-packet one-way delay: 56.412 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 129.30 Mbit/s
95th percentile per-packet one-way delay: 56.412 ms
Loss rate: 0.17%
```

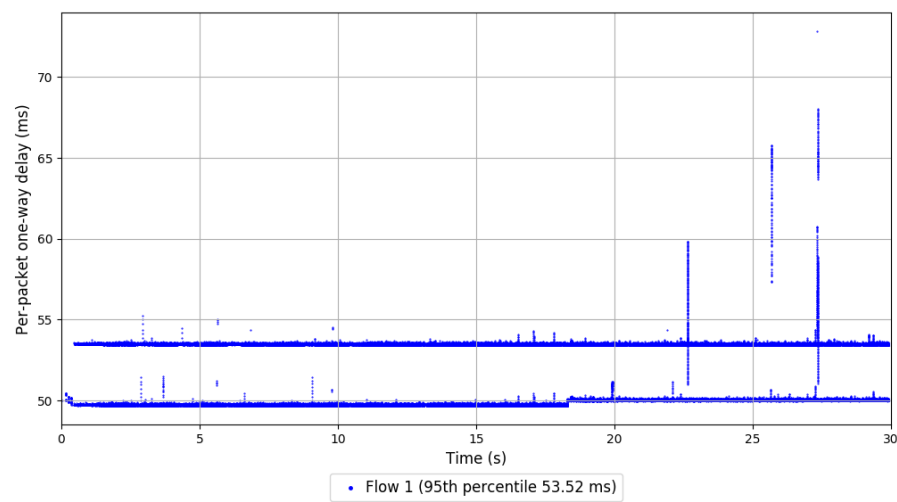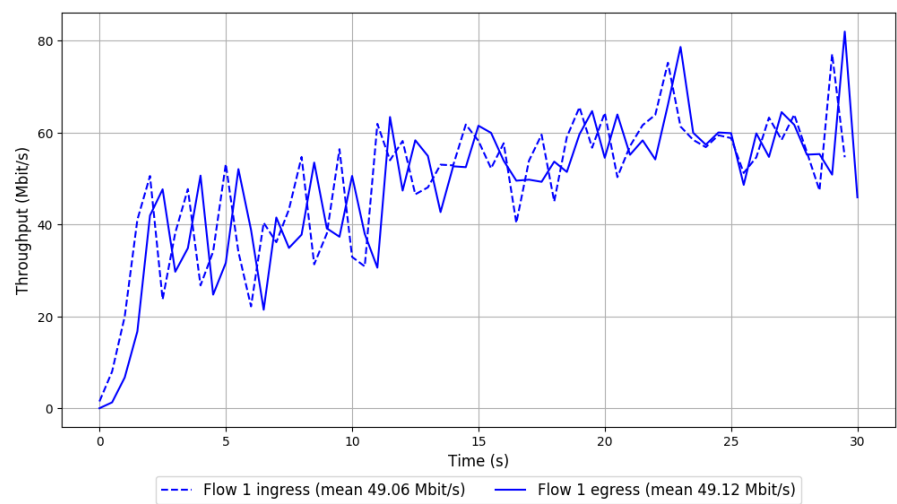Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2018-08-03 21:49:01
End at: 2018-08-03 21:49:31
Local clock offset: 0.009 ms
Remote clock offset: -0.011 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 53.519 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 53.519 ms
Loss rate: 0.32%
```
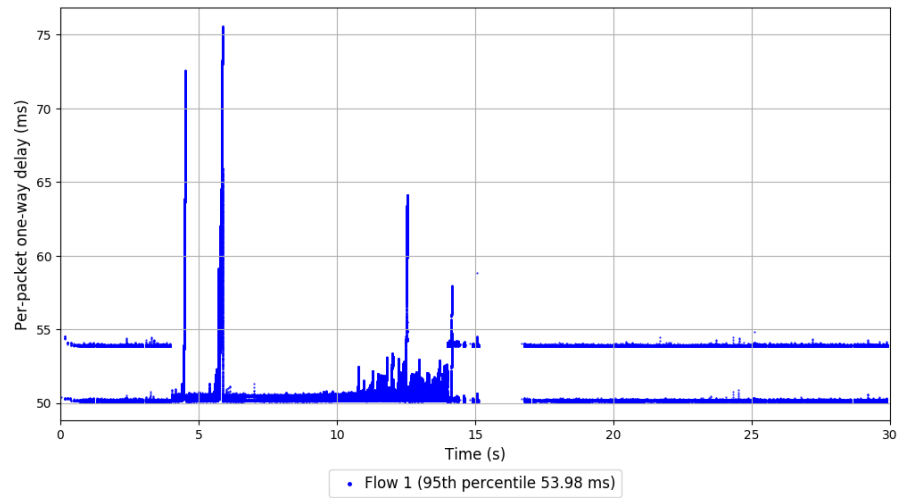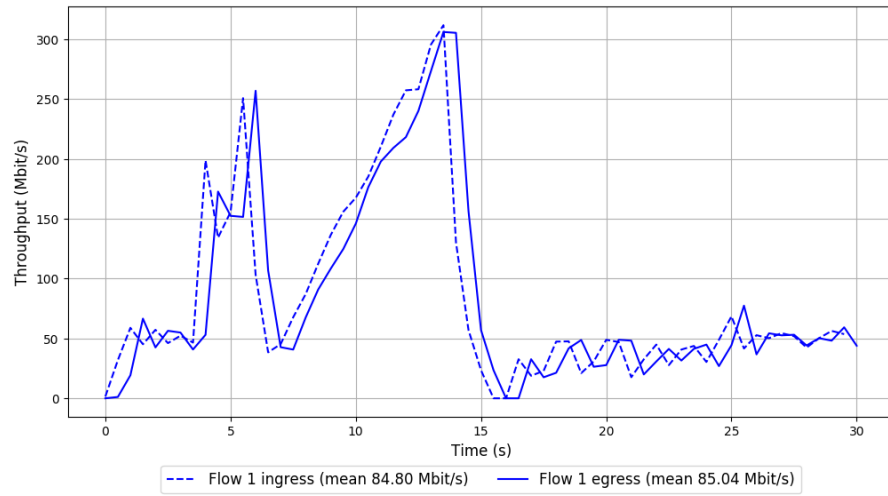
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 49.06 Mbit/s) ----- Flow 1 egress (mean 49.12 Mbit/s) ——

• Flow 1 (95th percentile 53.52 ms)

```
Run 10: Statistics of Copa

Start at: 2018-08-03 22:10:48
End at: 2018-08-03 22:11:18
Local clock offset: 0.085 ms
Remote clock offset: -0.324 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 53.985 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 53.985 ms
Loss rate: 0.23%
```

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 84.80 Mbit/s) --- Flow 1 egress (mean 85.04 Mbit/s)

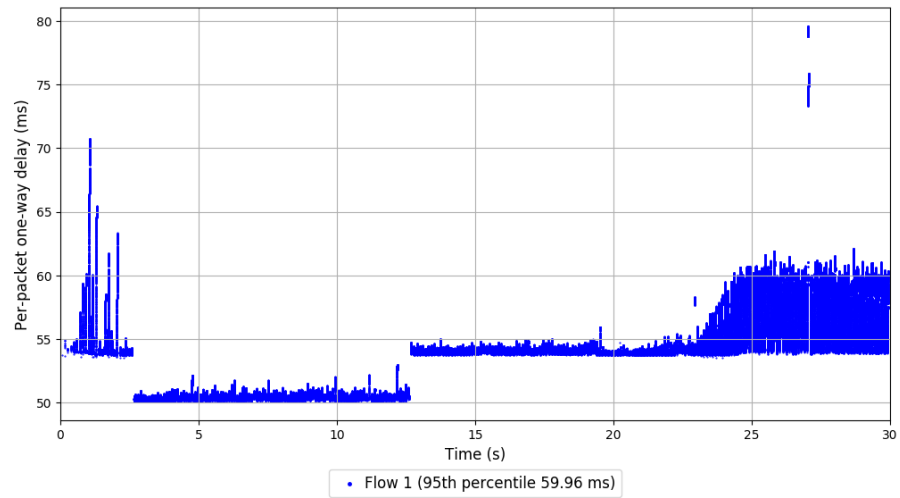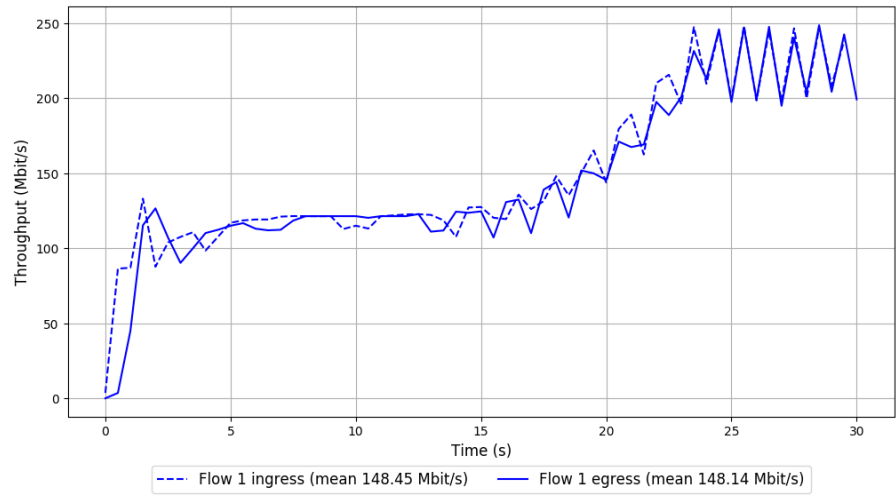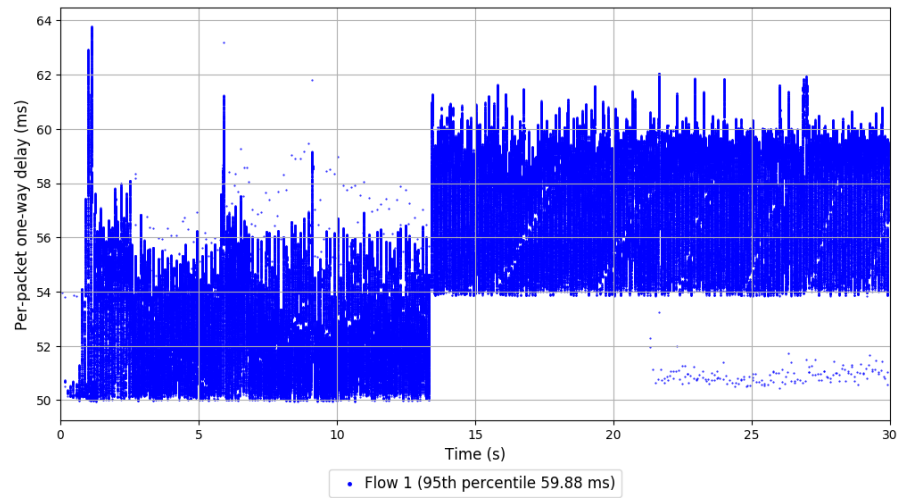• Flow 1 (95th percentile 53.98 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2018-08-03 18:37:39
End at: 2018-08-03 18:38:09
Local clock offset: 0.034 ms
Remote clock offset: -0.163 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.14 Mbit/s
95th percentile per-packet one-way delay: 59.958 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 148.14 Mbit/s
95th percentile per-packet one-way delay: 59.958 ms
Loss rate: 0.55%
```

Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 148.45 Mbit/s)   Flow 1 egress (mean 148.14 Mbit/s)
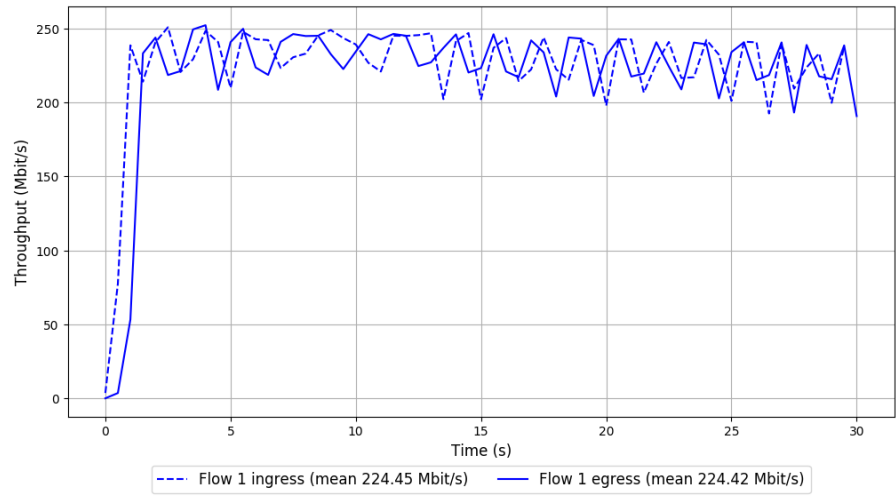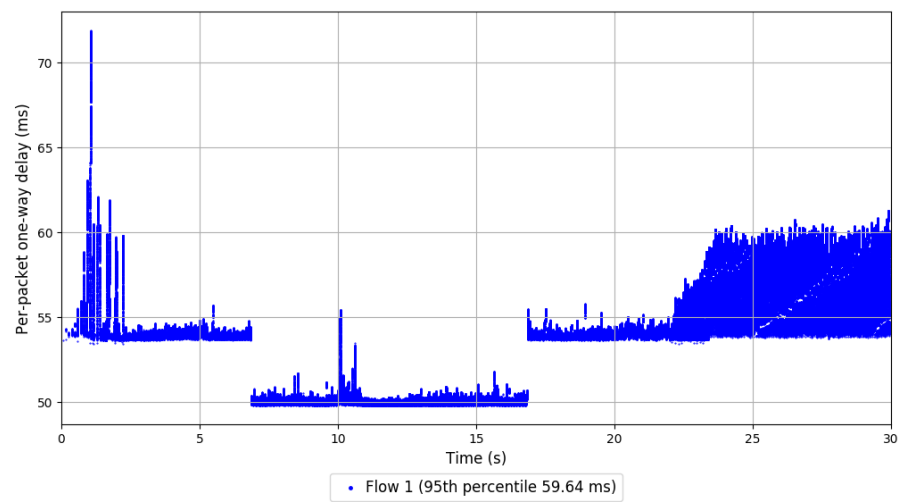

Flow 1 (95th percentile 59.96 ms)

```
Run 2: Statistics of TCP Cubic

Start at: 2018-08-03 18:59:58
End at: 2018-08-03 19:00:28
Local clock offset: 0.081 ms
Remote clock offset: -0.181 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.42 Mbit/s
95th percentile per-packet one-way delay: 59.877 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 224.42 Mbit/s
95th percentile per-packet one-way delay: 59.877 ms
Loss rate: 0.36%
```

Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 224.45 Mbit/s) — — — Flow 1 egress (mean 224.42 Mbit/s) ———
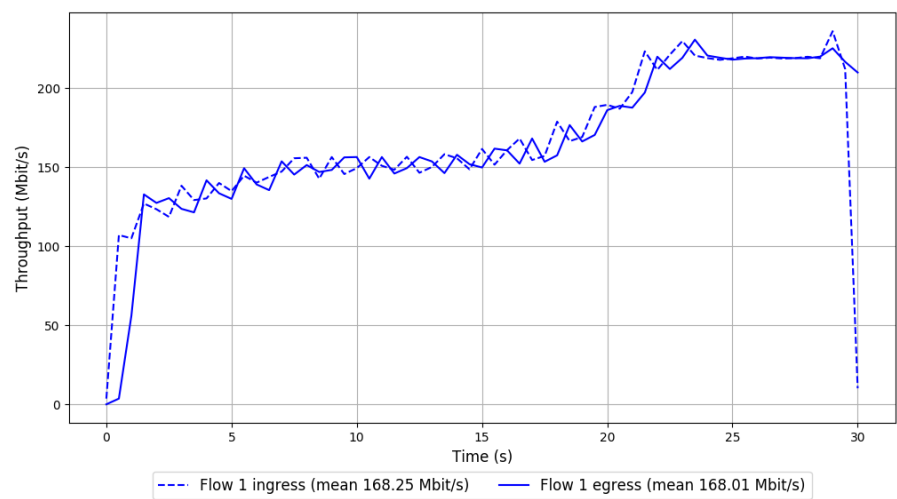

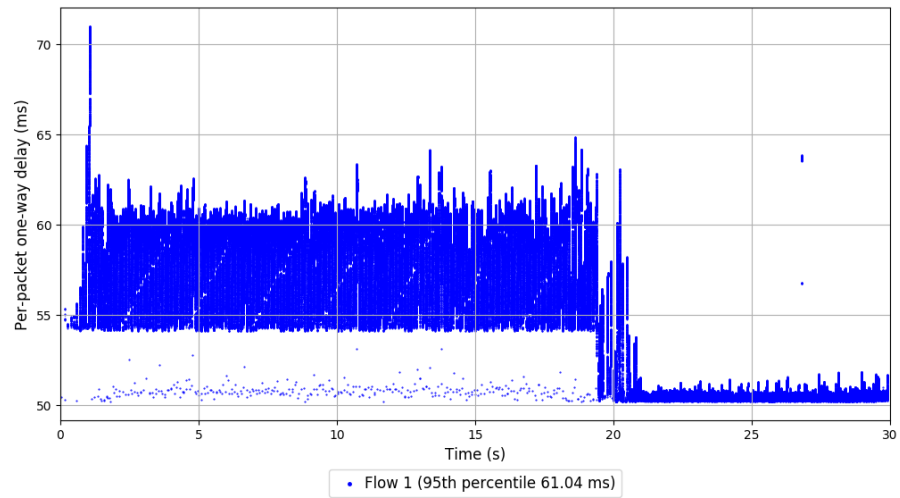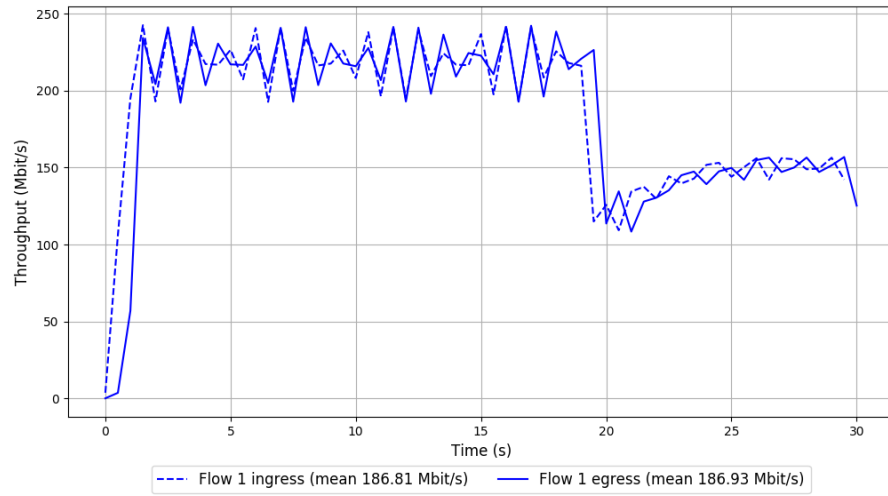• Flow 1 (95th percentile 59.88 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2018-08-03 19:22:35
End at: 2018-08-03 19:23:05
Local clock offset: -0.007 ms
Remote clock offset: -0.126 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.01 Mbit/s
95th percentile per-packet one-way delay: 59.636 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 168.01 Mbit/s
95th percentile per-packet one-way delay: 59.636 ms
Loss rate: 0.49%
```

Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2018-08-03 19:44:52
End at: 2018-08-03 19:45:22
Local clock offset: 0.171 ms
Remote clock offset: -0.298 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.93 Mbit/s
95th percentile per-packet one-way delay: 61.039 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 186.93 Mbit/s
95th percentile per-packet one-way delay: 61.039 ms
Loss rate: 0.28%
```
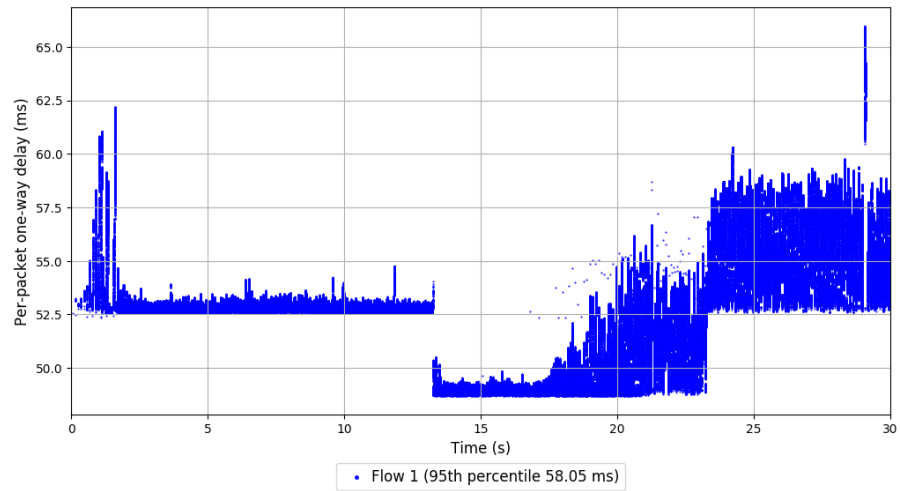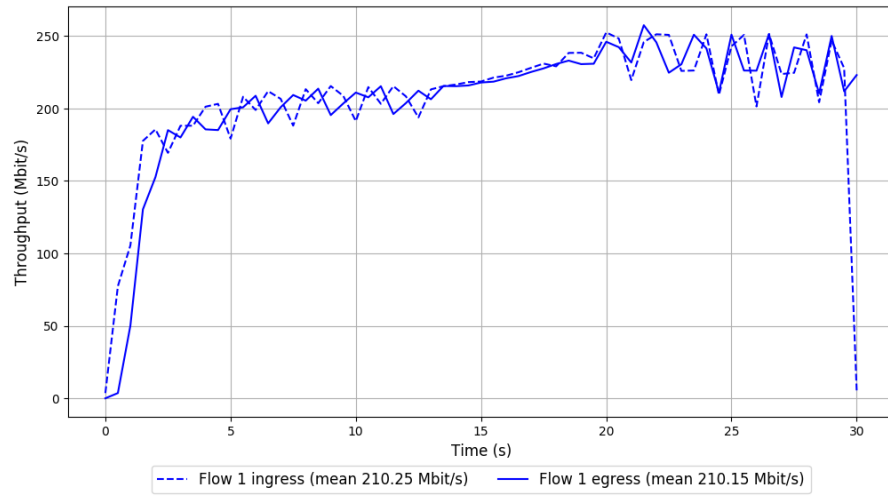
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 186.81 Mbit/s) —— Flow 1 egress (mean 186.93 Mbit/s)

• Flow 1 (95th percentile 61.04 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2018-08-03 20:07:08
End at: 2018-08-03 20:07:38
Local clock offset: 0.098 ms
Remote clock offset: 1.149 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.15 Mbit/s
95th percentile per-packet one-way delay: 58.045 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 210.15 Mbit/s
95th percentile per-packet one-way delay: 58.045 ms
Loss rate: 0.39%
```
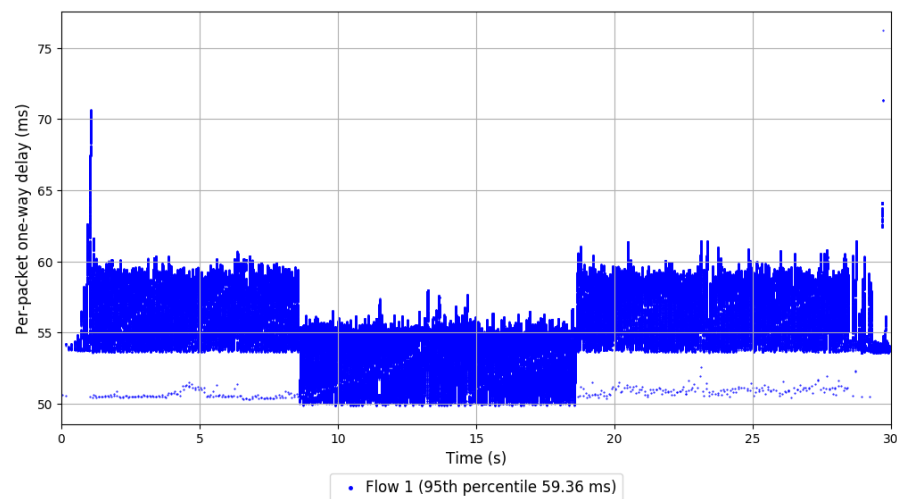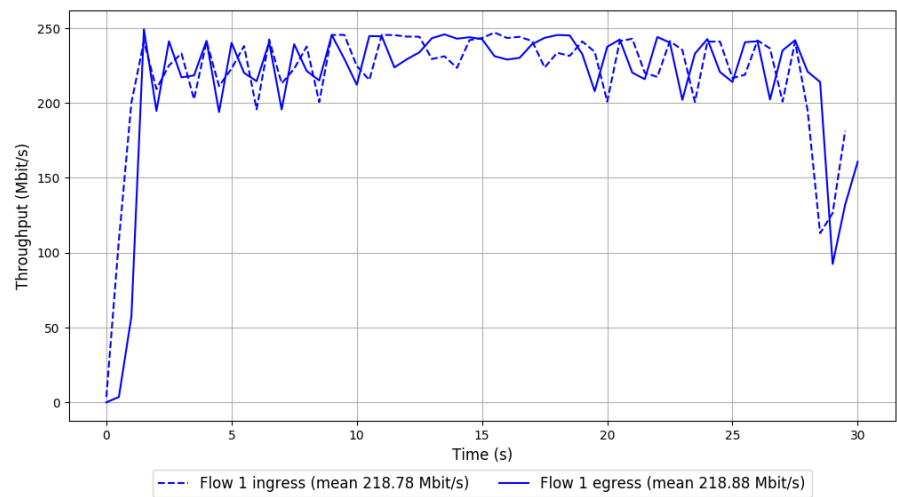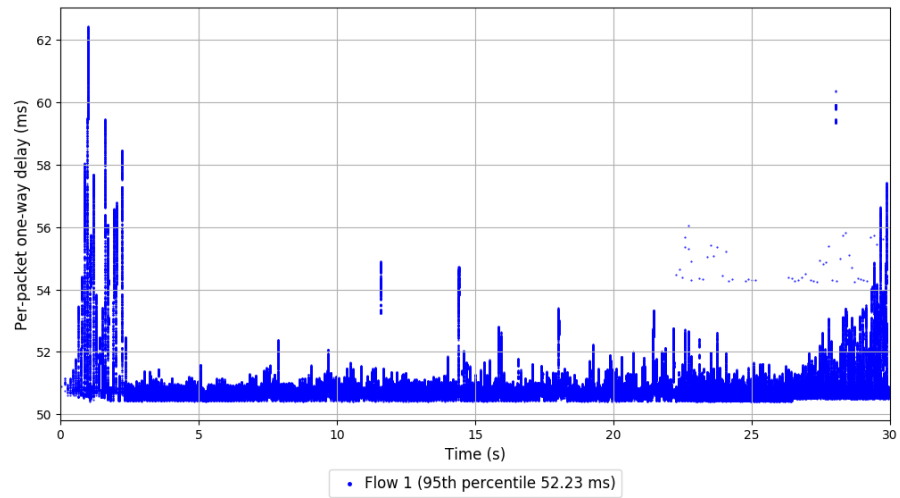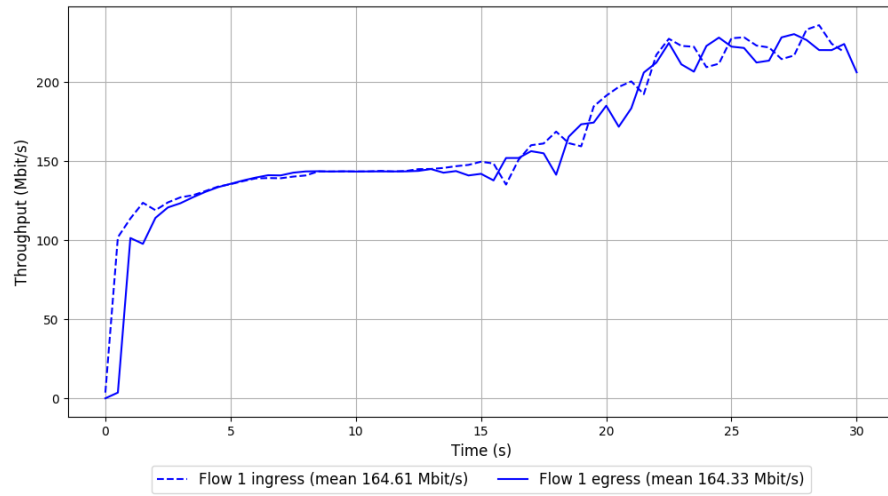
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 210.25 Mbit/s) — — — Flow 1 egress (mean 210.15 Mbit/s)

• Flow 1 (95th percentile 58.05 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2018-08-03 20:29:13
End at: 2018-08-03 20:29:43
Local clock offset: 0.132 ms
Remote clock offset: 0.043 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.88 Mbit/s
95th percentile per-packet one-way delay: 59.364 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 218.88 Mbit/s
95th percentile per-packet one-way delay: 59.364 ms
Loss rate: 0.29%
```

Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 218.78 Mbit/s)   Flow 1 egress (mean 218.88 Mbit/s)

Flow 1 (95th percentile 59.36 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2018-08-03 20:51:50
End at: 2018-08-03 20:52:20
Local clock offset: 0.188 ms
Remote clock offset: -0.537 ms


# Below is generated by plot.py at 2018-08-03 22:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 164.33 Mbit/s
95th percentile per-packet one-way delay: 52.225 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 164.33 Mbit/s
95th percentile per-packet one-way delay: 52.225 ms
Loss rate: 0.48%
```

Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: 2018-08-03 21:14:18
End at: 2018-08-03 21:14:48
Local clock offset: -0.141 ms
Remote clock offset: 0.033 ms


# Below is generated by plot.py at 2018-08-03 22:42:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.38 Mbit/s
95th percentile per-packet one-way delay: 59.110 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 226.38 Mbit/s
95th percentile per-packet one-way delay: 59.110 ms
Loss rate: 0.36%
```
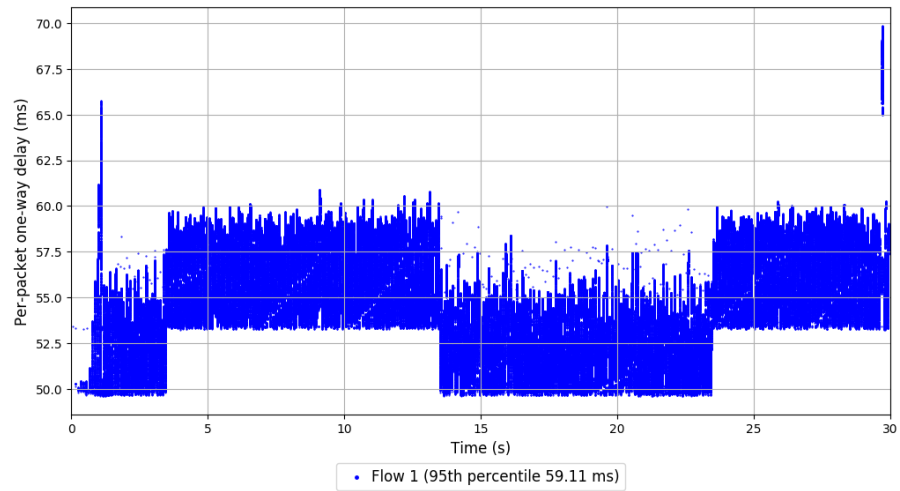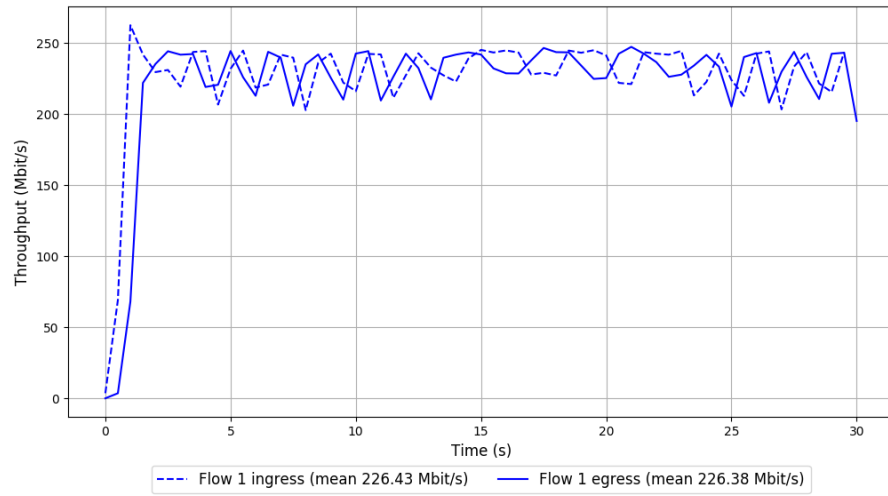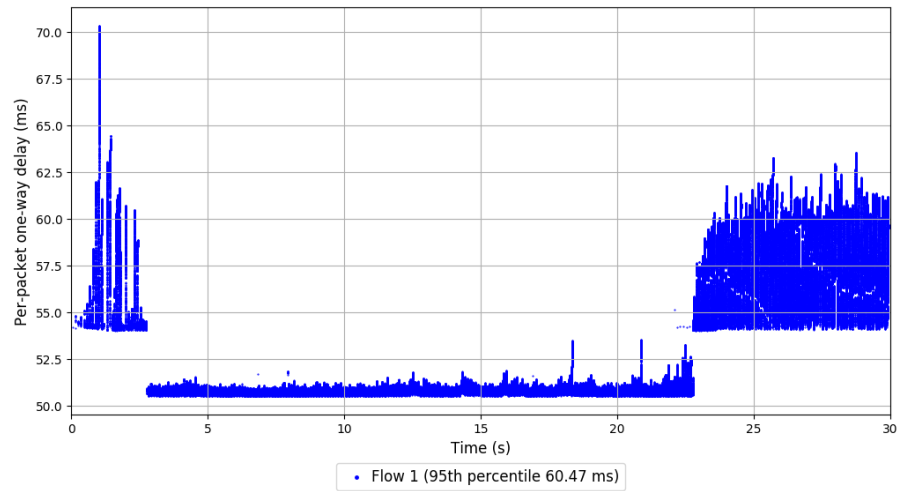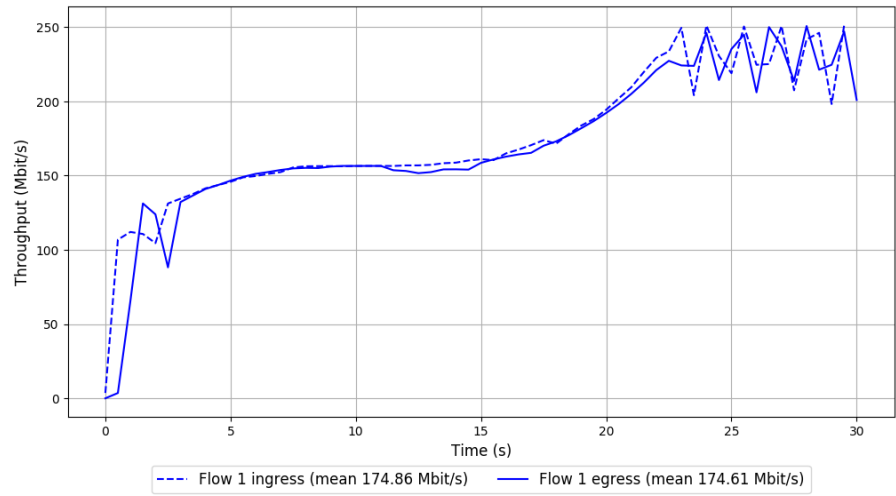
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 226.43 Mbit/s) ——— Flow 1 egress (mean 226.38 Mbit/s)

• Flow 1 (95th percentile 59.11 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2018-08-03 21:36:29
End at: 2018-08-03 21:36:59
Local clock offset: 0.119 ms
Remote clock offset: -0.502 ms


# Below is generated by plot.py at 2018-08-03 22:42:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.61 Mbit/s
95th percentile per-packet one-way delay: 60.474 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 174.61 Mbit/s
95th percentile per-packet one-way delay: 60.474 ms
Loss rate: 0.48%
```

Run 9: Report of TCP Cubic — Data Link

```
Run 10: Statistics of TCP Cubic

Start at: 2018-08-03 21:58:29
End at: 2018-08-03 21:58:59
Local clock offset: 0.137 ms
Remote clock offset: -0.21 ms


# Below is generated by plot.py at 2018-08-03 22:42:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.10 Mbit/s
95th percentile per-packet one-way delay: 59.896 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 213.10 Mbit/s
95th percentile per-packet one-way delay: 59.896 ms
Loss rate: 0.21%
```
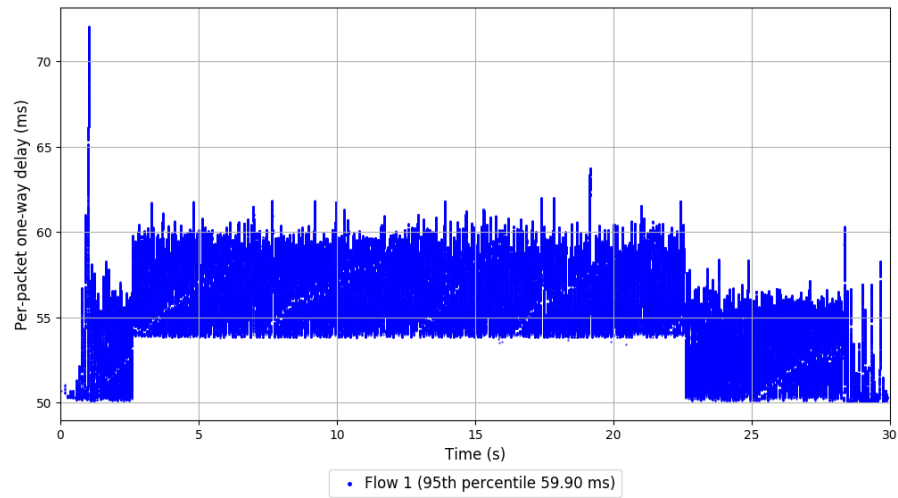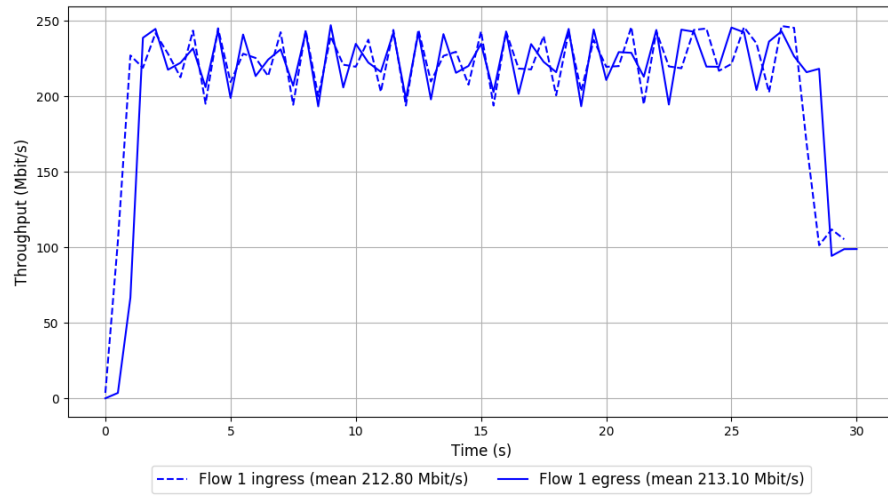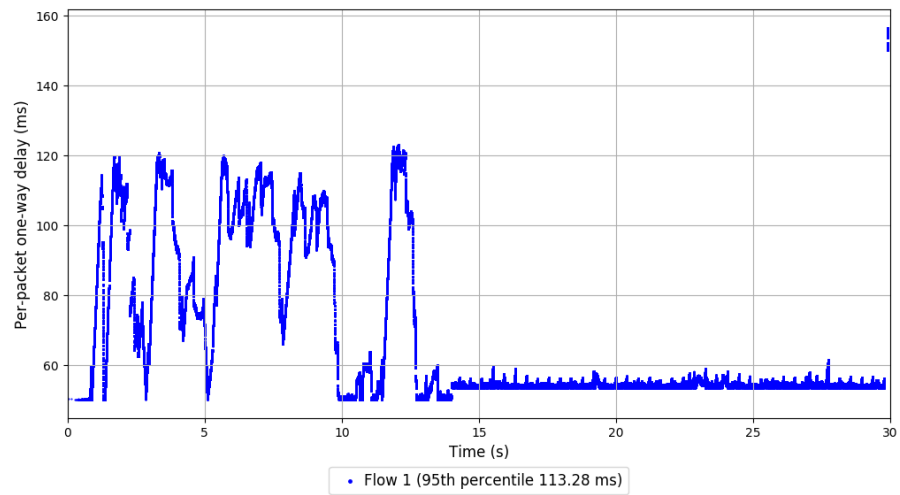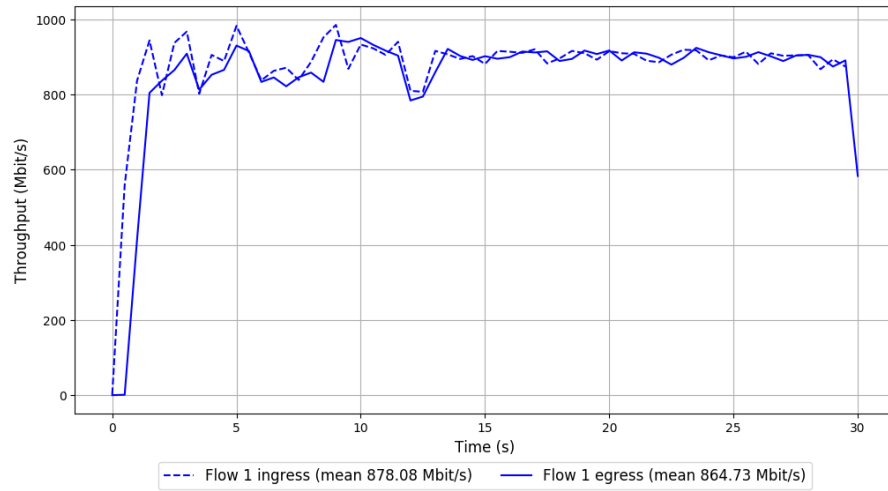
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 212.80 Mbit/s) --- Flow 1 egress (mean 213.10 Mbit/s)

Flow 1 (95th percentile 59.90 ms)

```
Run 1: Statistics of FillP

Start at: 2018-08-03 18:34:55
End at: 2018-08-03 18:35:25
Local clock offset: 0.002 ms
Remote clock offset: -0.225 ms


# Below is generated by plot.py at 2018-08-03 22:57:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 864.73 Mbit/s
95th percentile per-packet one-way delay: 113.278 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 864.73 Mbit/s
95th percentile per-packet one-way delay: 113.278 ms
Loss rate: 1.86%
```
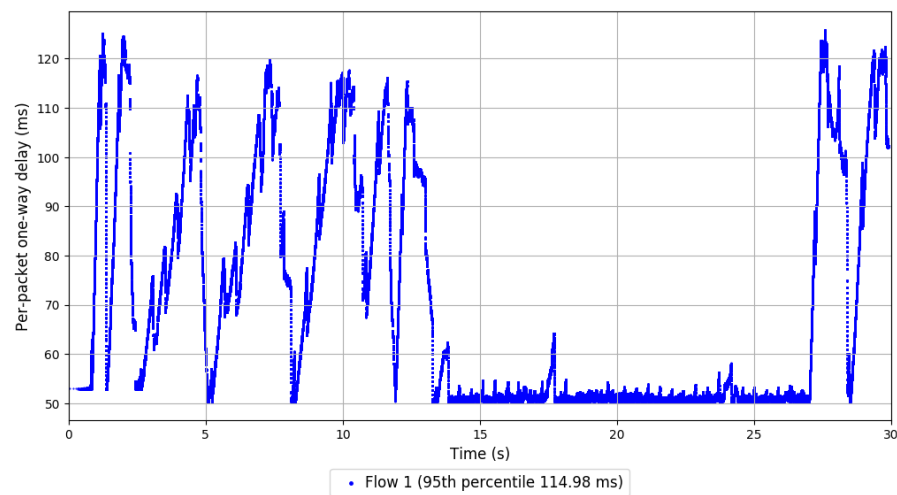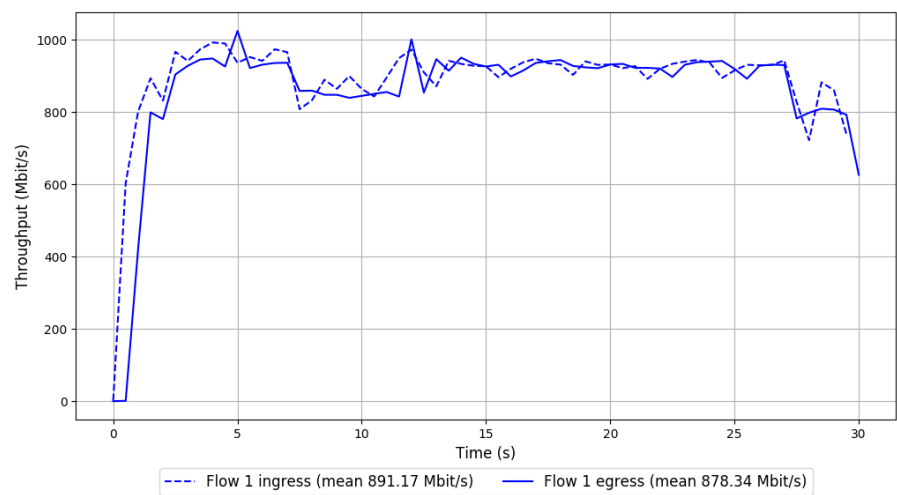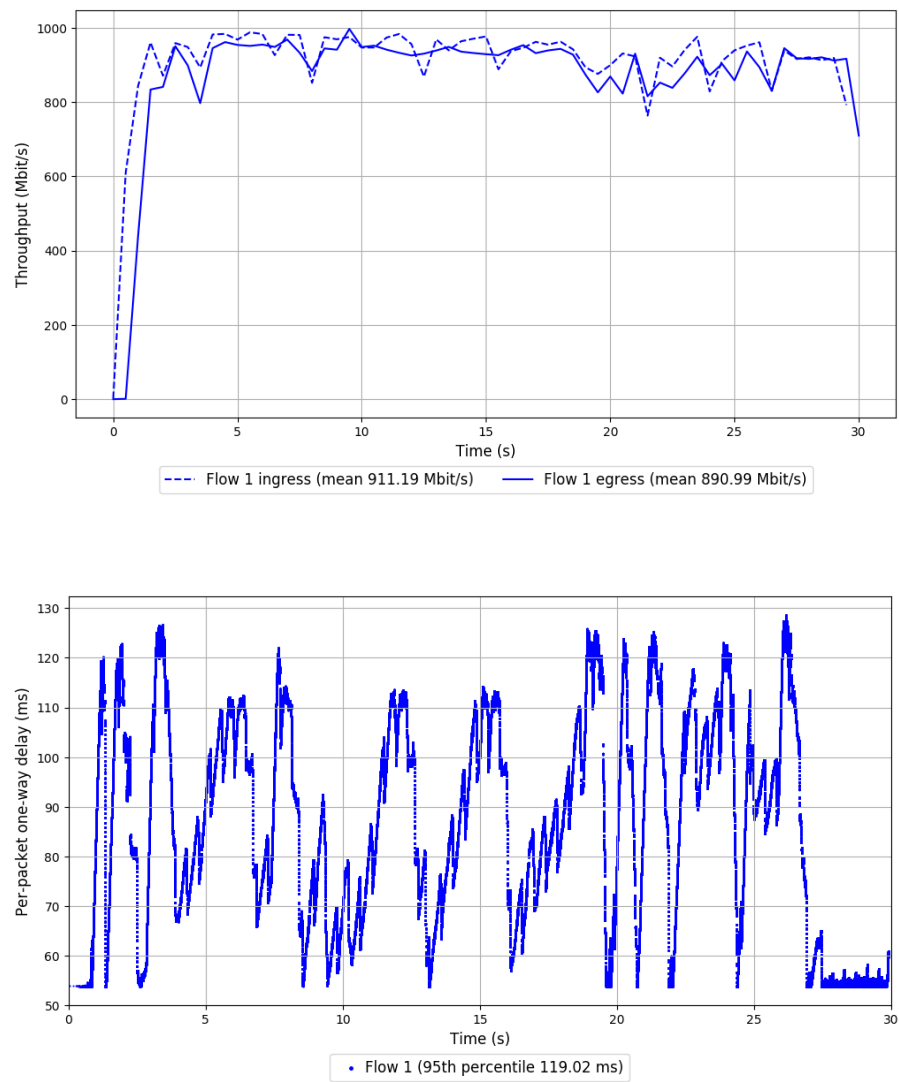
Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 878.08 Mbit/s)   Flow 1 egress (mean 864.73 Mbit/s)

• Flow 1 (95th percentile 113.28 ms)

```
Run 2: Statistics of FillP

Start at: 2018-08-03 18:57:15
End at: 2018-08-03 18:57:45
Local clock offset: 0.004 ms
Remote clock offset: -0.05 ms


# Below is generated by plot.py at 2018-08-03 22:57:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 878.34 Mbit/s
95th percentile per-packet one-way delay: 114.977 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 878.34 Mbit/s
95th percentile per-packet one-way delay: 114.977 ms
Loss rate: 1.78%
```
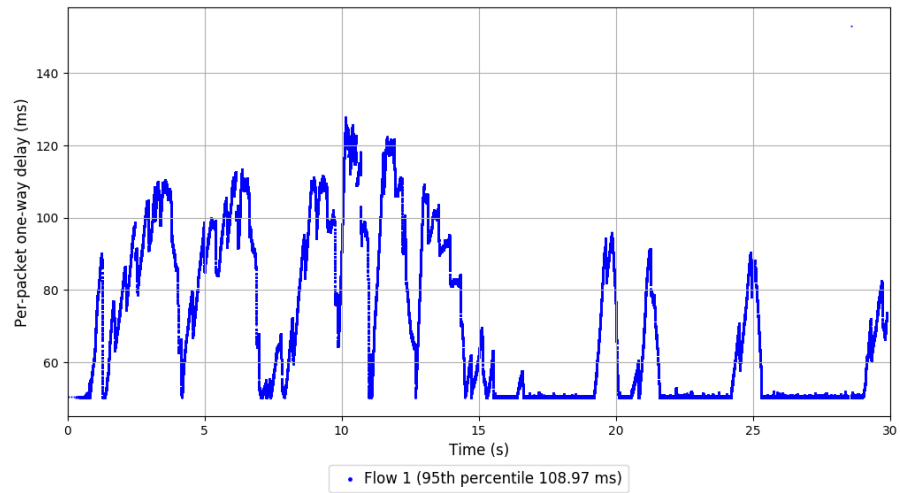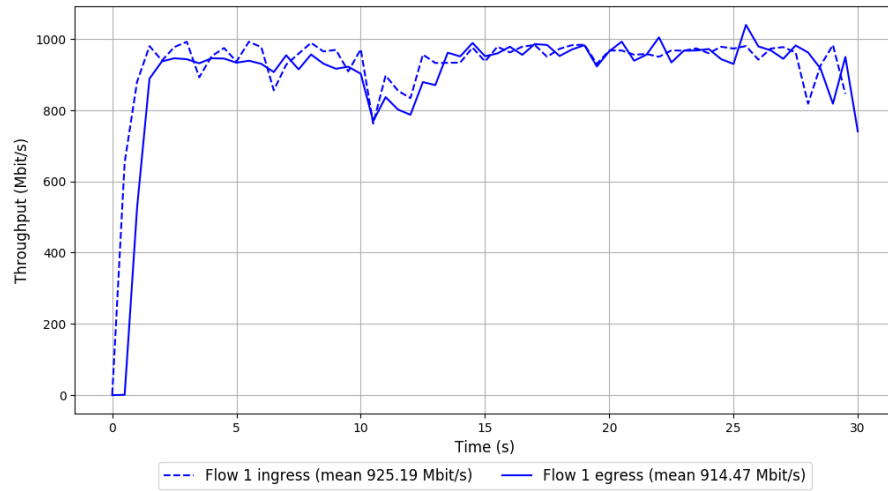
Run 2: Report of FillP — Data Link

```
Run 3: Statistics of FillP

Start at: 2018-08-03 19:19:50
End at: 2018-08-03 19:20:20
Local clock offset: 0.102 ms
Remote clock offset: -0.241 ms


# Below is generated by plot.py at 2018-08-03 22:57:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 890.99 Mbit/s
95th percentile per-packet one-way delay: 119.015 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 890.99 Mbit/s
95th percentile per-packet one-way delay: 119.015 ms
Loss rate: 2.56%
```
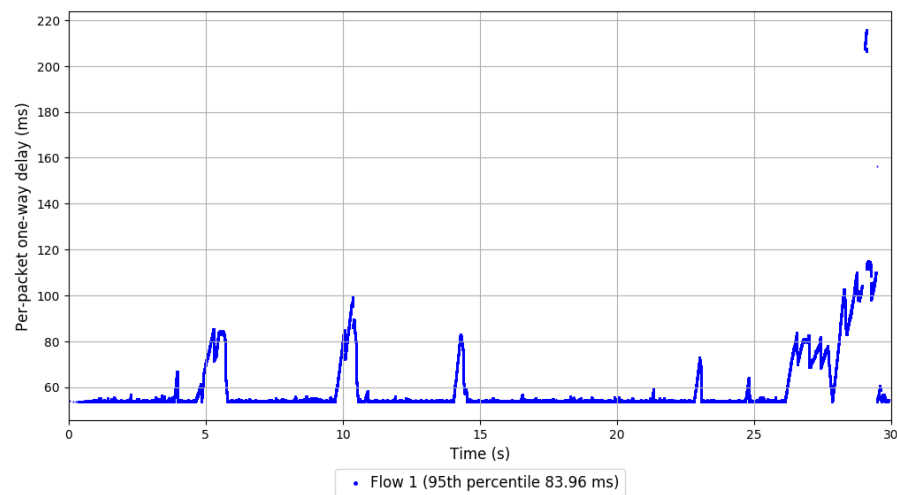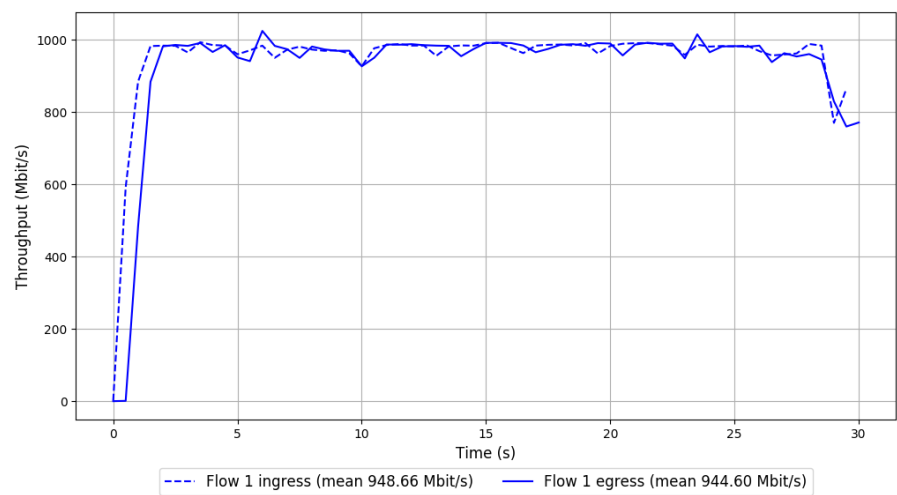
Run 3: Report of FillP — Data Link

```
Run 4: Statistics of FillP

Start at: 2018-08-03 19:42:07
End at: 2018-08-03 19:42:37
Local clock offset: 0.039 ms
Remote clock offset: -0.123 ms


# Below is generated by plot.py at 2018-08-03 22:58:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 914.47 Mbit/s
95th percentile per-packet one-way delay: 108.969 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 914.47 Mbit/s
95th percentile per-packet one-way delay: 108.969 ms
Loss rate: 1.49%
```

Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 925.19 Mbit/s) —— Flow 1 egress (mean 914.47 Mbit/s)

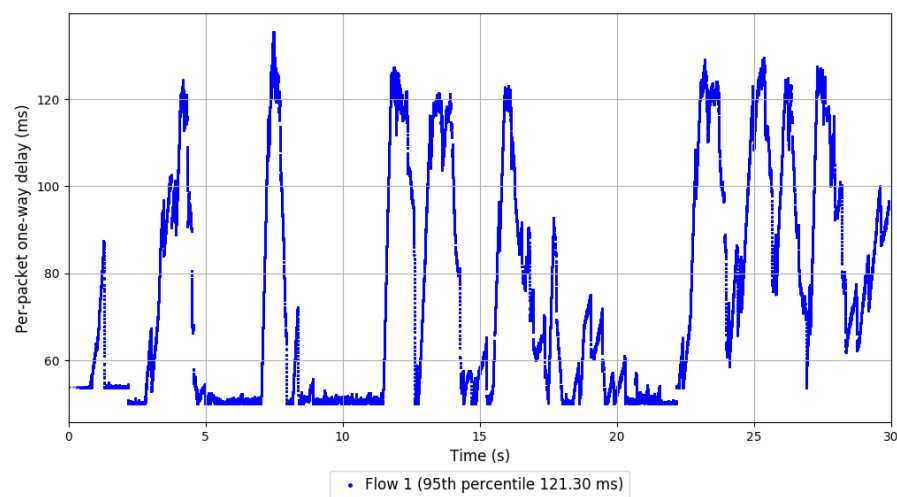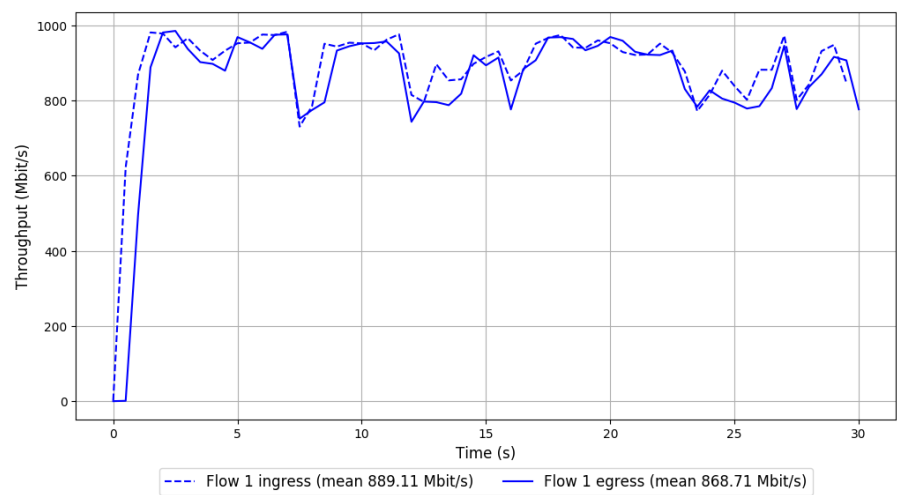• Flow 1 (95th percentile 108.97 ms)

```
Run 5: Statistics of FillP

Start at: 2018-08-03 20:04:22
End at: 2018-08-03 20:04:52
Local clock offset: 0.14 ms
Remote clock offset: -0.099 ms


# Below is generated by plot.py at 2018-08-03 22:59:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 944.60 Mbit/s
95th percentile per-packet one-way delay: 83.958 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 944.60 Mbit/s
95th percentile per-packet one-way delay: 83.958 ms
Loss rate: 0.78%
```

Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 948.66 Mbit/s) ----- Flow 1 egress (mean 944.60 Mbit/s) ——

Flow 1 (95th percentile 83.96 ms)

```
Run 6: Statistics of FillP

Start at: 2018-08-03 20:26:29
End at: 2018-08-03 20:26:59
Local clock offset: 0.124 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2018-08-03 22:59:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 868.71 Mbit/s
95th percentile per-packet one-way delay: 121.300 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 868.71 Mbit/s
95th percentile per-packet one-way delay: 121.300 ms
Loss rate: 2.63%
```
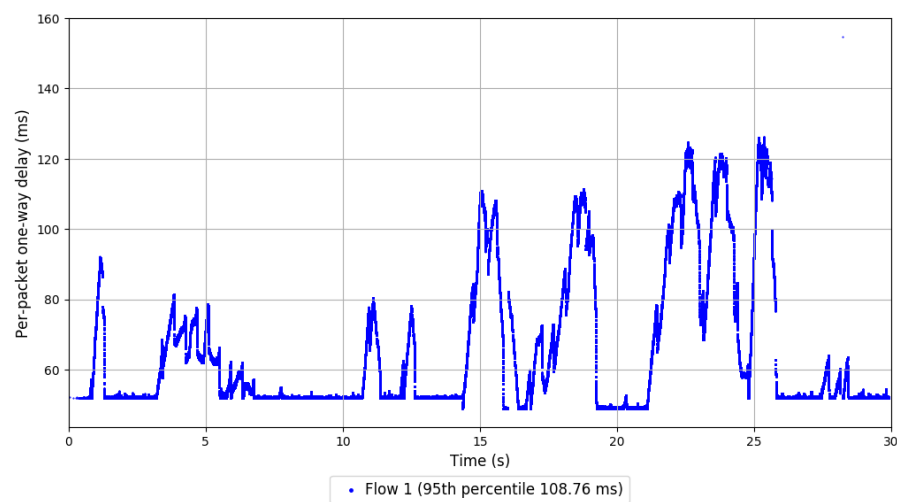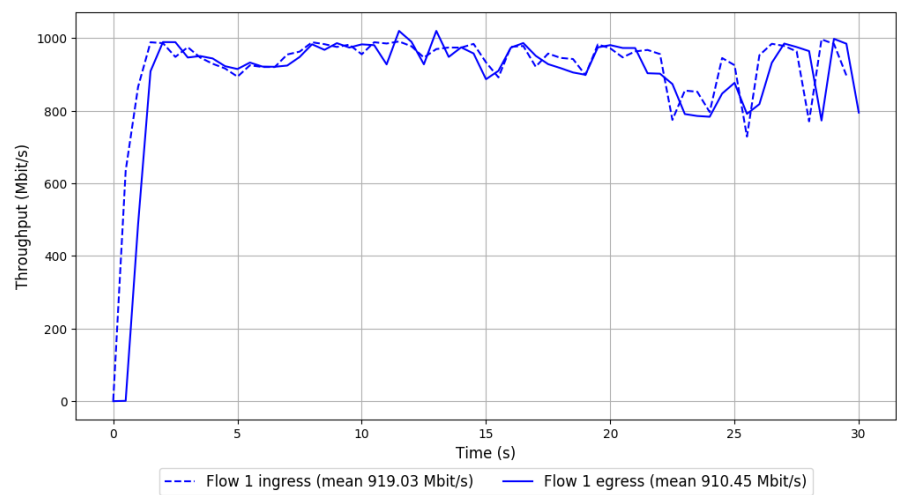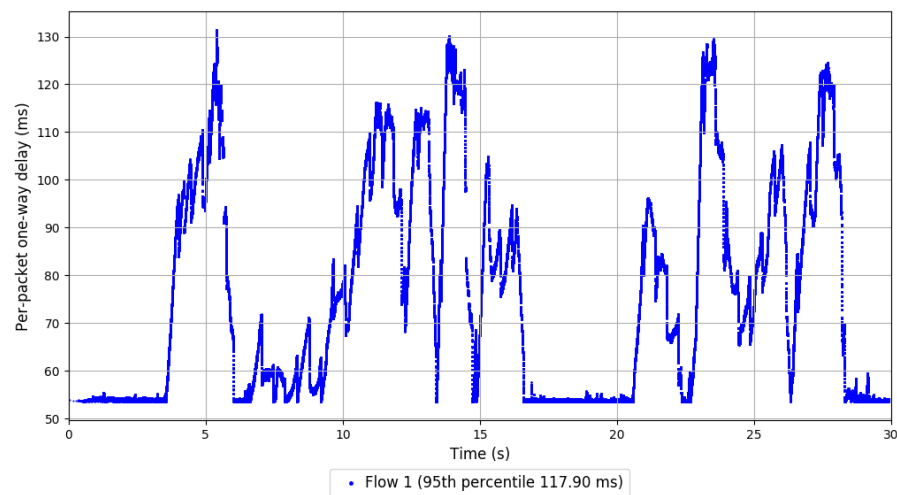
Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 889.11 Mbit/s)   Flow 1 egress (mean 868.71 Mbit/s)

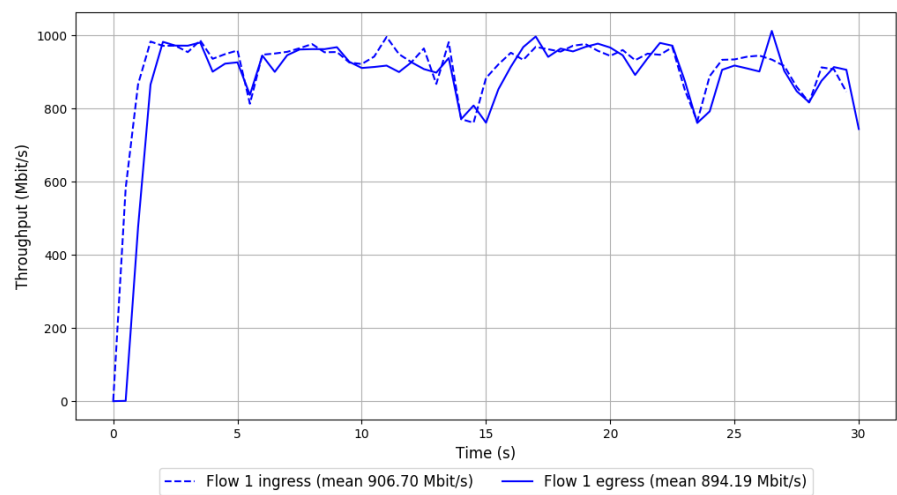Flow 1 (95th percentile 121.30 ms)

```
Run 7: Statistics of FillP

Start at: 2018-08-03 20:49:05
End at: 2018-08-03 20:49:35
Local clock offset: -0.018 ms
Remote clock offset: 1.179 ms


# Below is generated by plot.py at 2018-08-03 23:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 910.45 Mbit/s
95th percentile per-packet one-way delay: 108.760 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 910.45 Mbit/s
95th percentile per-packet one-way delay: 108.760 ms
Loss rate: 1.28%
```

Run 7: Report of FillP — Data Link

```
Run 8: Statistics of FillP

Start at: 2018-08-03 21:11:34
End at: 2018-08-03 21:12:04
Local clock offset: 0.014 ms
Remote clock offset: -0.118 ms


# Below is generated by plot.py at 2018-08-03 23:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 894.19 Mbit/s
95th percentile per-packet one-way delay: 117.904 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 894.19 Mbit/s
95th percentile per-packet one-way delay: 117.904 ms
Loss rate: 1.73%
```
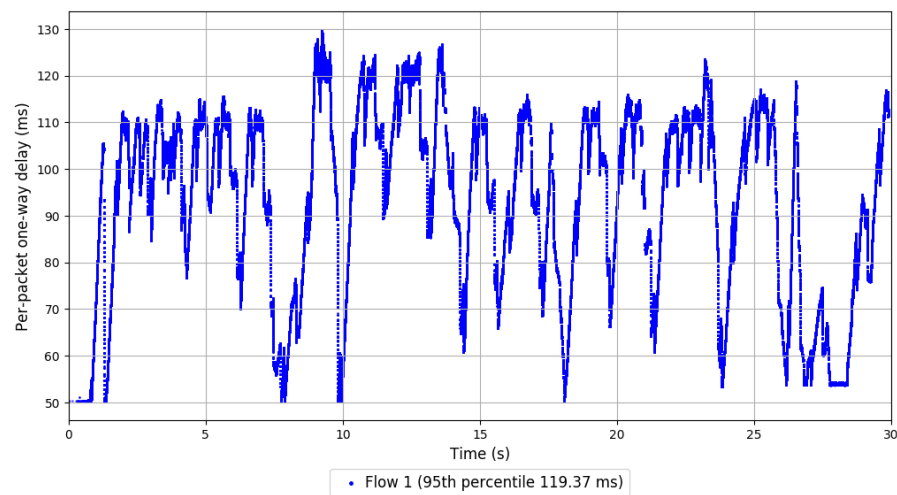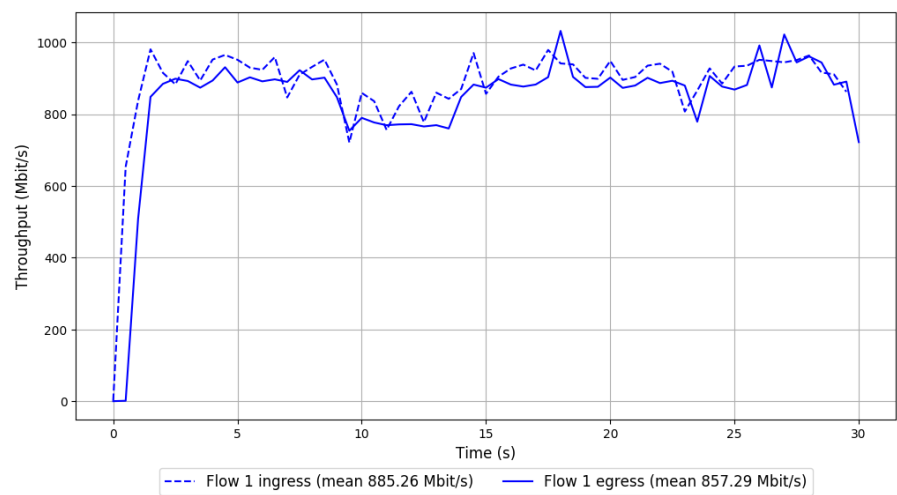
Run 8: Report of FillP — Data Link

Flow 1 ingress (mean 906.70 Mbit/s)   Flow 1 egress (mean 894.19 Mbit/s)

• Flow 1 (95th percentile 117.90 ms)

```
Run 9: Statistics of FillP

Start at: 2018-08-03 21:33:45
End at: 2018-08-03 21:34:15
Local clock offset: 0.194 ms
Remote clock offset: 0.035 ms


# Below is generated by plot.py at 2018-08-03 23:13:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 857.29 Mbit/s
95th percentile per-packet one-way delay: 119.369 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 857.29 Mbit/s
95th percentile per-packet one-way delay: 119.369 ms
Loss rate: 3.50%
```
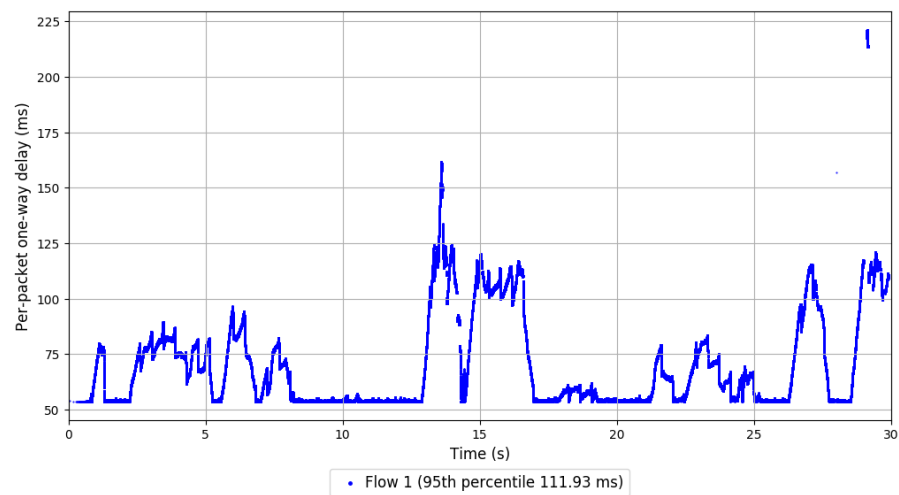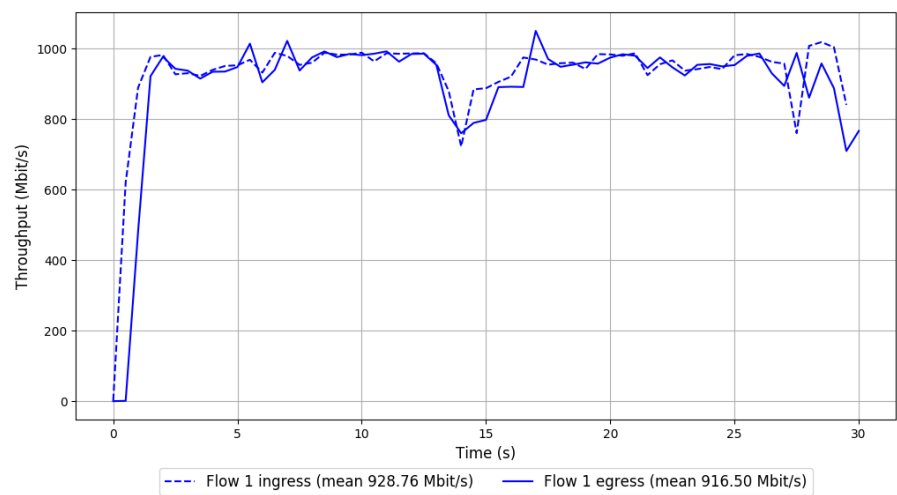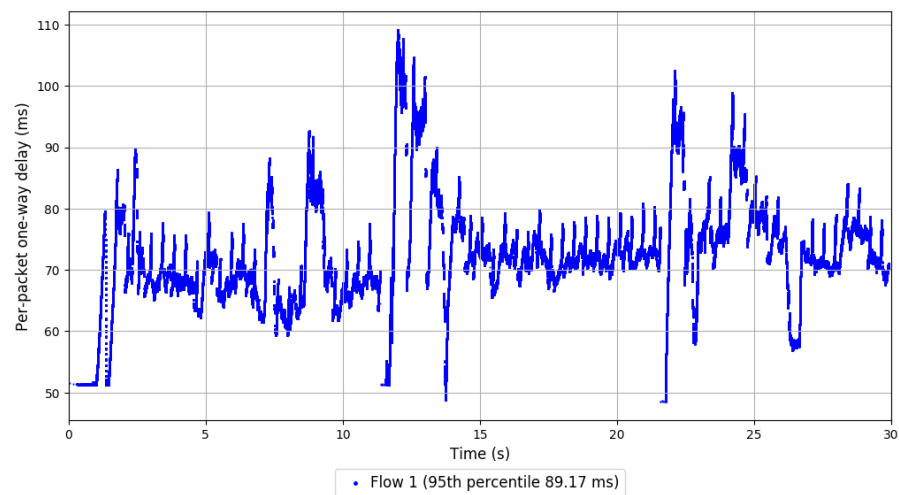
Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 885.26 Mbit/s) —— Flow 1 egress (mean 857.29 Mbit/s)

• Flow 1 (95th percentile 119.37 ms)

```
Run 10: Statistics of FillP

Start at: 2018-08-03 21:55:44
End at: 2018-08-03 21:56:14
Local clock offset: -0.022 ms
Remote clock offset: -0.24 ms


# Below is generated by plot.py at 2018-08-03 23:15:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 916.50 Mbit/s
95th percentile per-packet one-way delay: 111.928 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 916.50 Mbit/s
95th percentile per-packet one-way delay: 111.928 ms
Loss rate: 1.67%
```
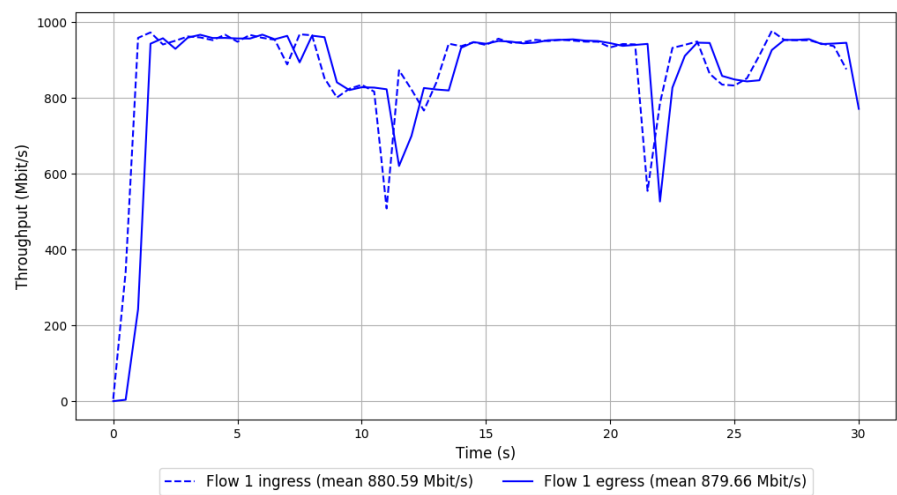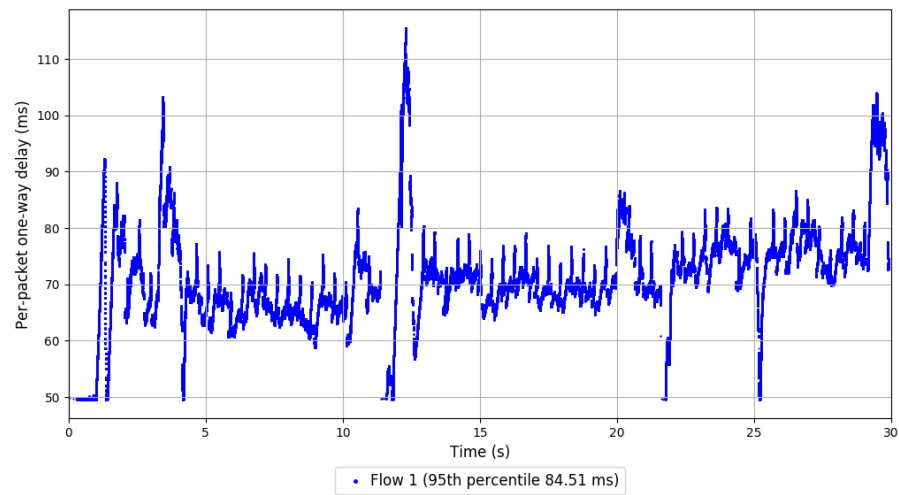
Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 928.76 Mbit/s) ----   Flow 1 egress (mean 916.50 Mbit/s) ——

• Flow 1 (95th percentile 111.93 ms)

```
Run 1: Statistics of FillP-Sheep

Start at: 2018-08-03 18:33:18
End at: 2018-08-03 18:33:48
Local clock offset: -0.194 ms
Remote clock offset: 1.339 ms


# Below is generated by plot.py at 2018-08-03 23:15:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 879.66 Mbit/s
95th percentile per-packet one-way delay: 89.173 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 879.66 Mbit/s
95th percentile per-packet one-way delay: 89.173 ms
Loss rate: 0.45%
```
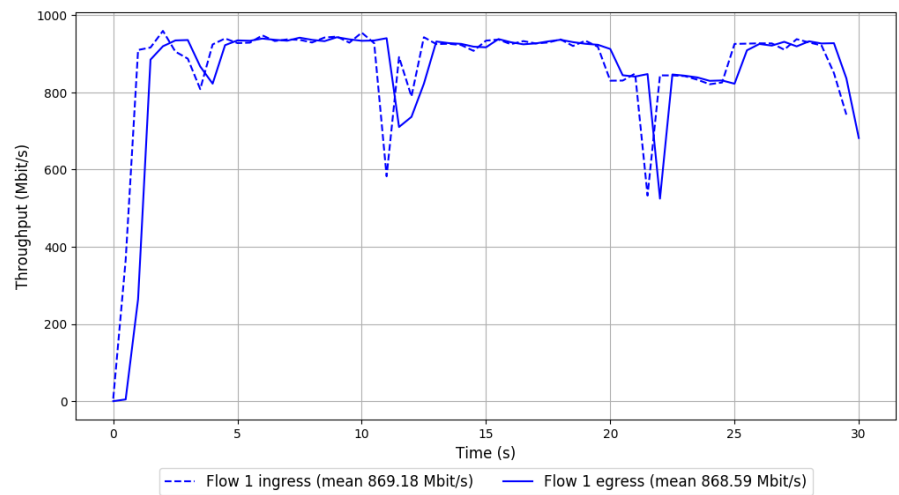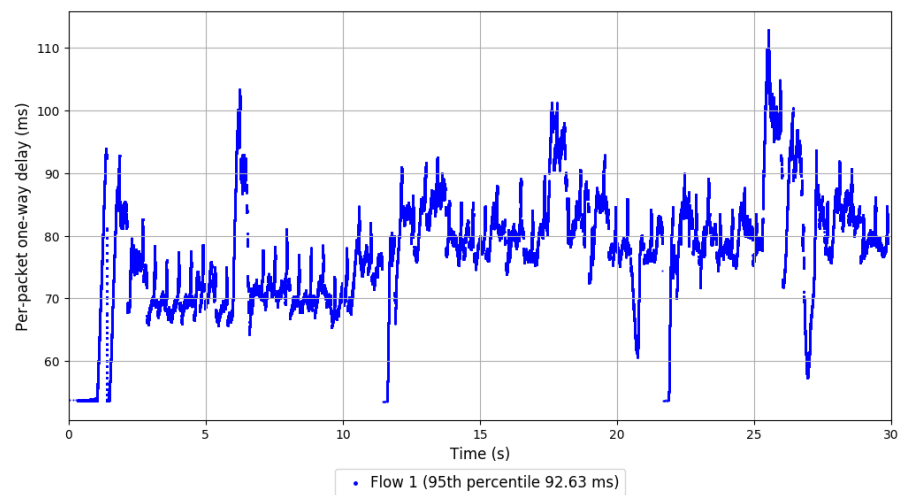
Run 1: Report of FillP-Sheep — Data Link

```
Run 2: Statistics of FillP-Sheep

Start at: 2018-08-03 18:55:37
End at: 2018-08-03 18:56:07
Local clock offset: -0.127 ms
Remote clock offset: 0.051 ms


# Below is generated by plot.py at 2018-08-03 23:15:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 868.59 Mbit/s
95th percentile per-packet one-way delay: 84.506 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 868.59 Mbit/s
95th percentile per-packet one-way delay: 84.506 ms
Loss rate: 0.40%
```
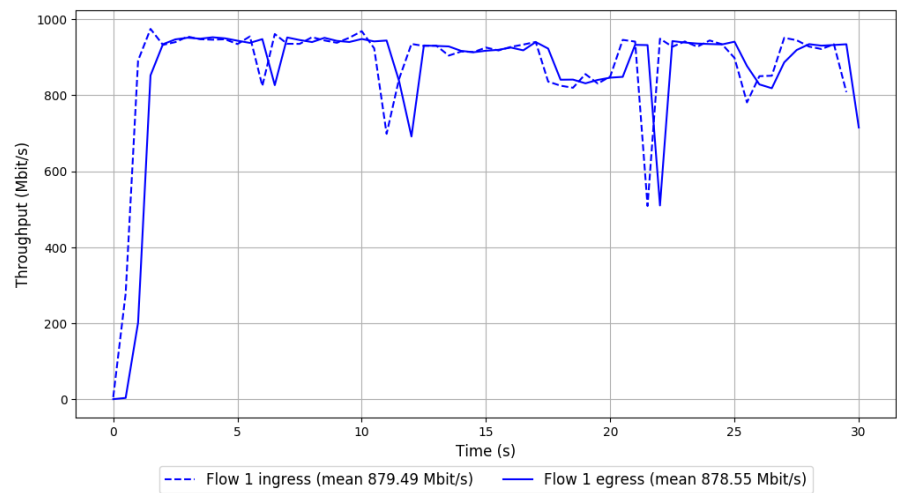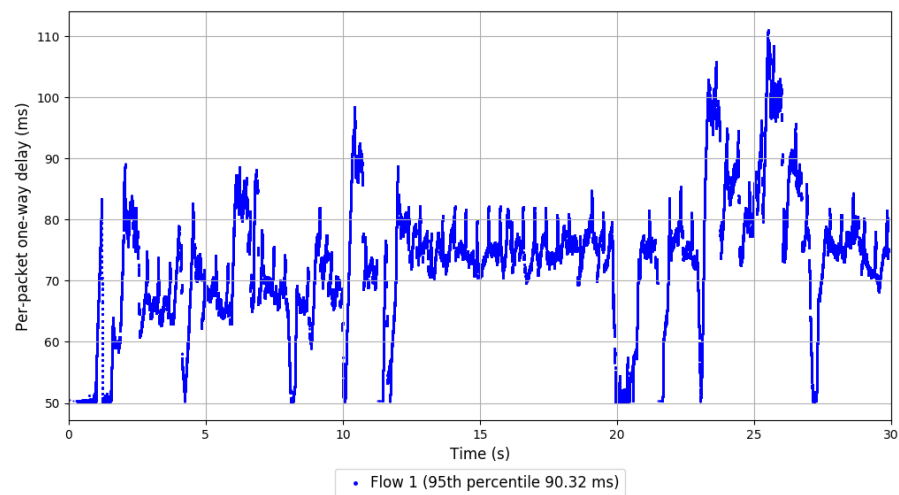
Run 2: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 869.18 Mbit/s) — Flow 1 egress (mean 868.59 Mbit/s)
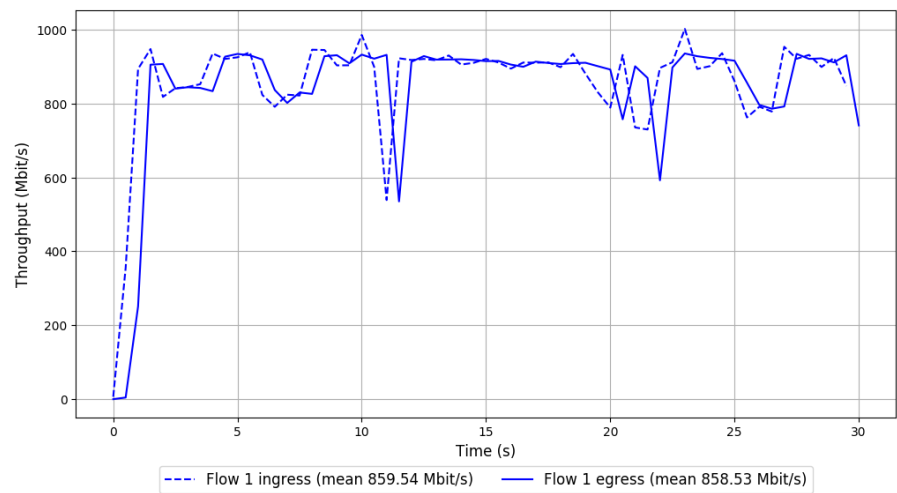

• Flow 1 (95th percentile 84.51 ms)

```
Run 3: Statistics of FillP-Sheep

Start at: 2018-08-03 19:18:12
End at: 2018-08-03 19:18:42
Local clock offset: 0.038 ms
Remote clock offset: -0.09 ms


# Below is generated by plot.py at 2018-08-03 23:15:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 878.55 Mbit/s
95th percentile per-packet one-way delay: 92.626 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 878.55 Mbit/s
95th percentile per-packet one-way delay: 92.626 ms
Loss rate: 0.46%
```
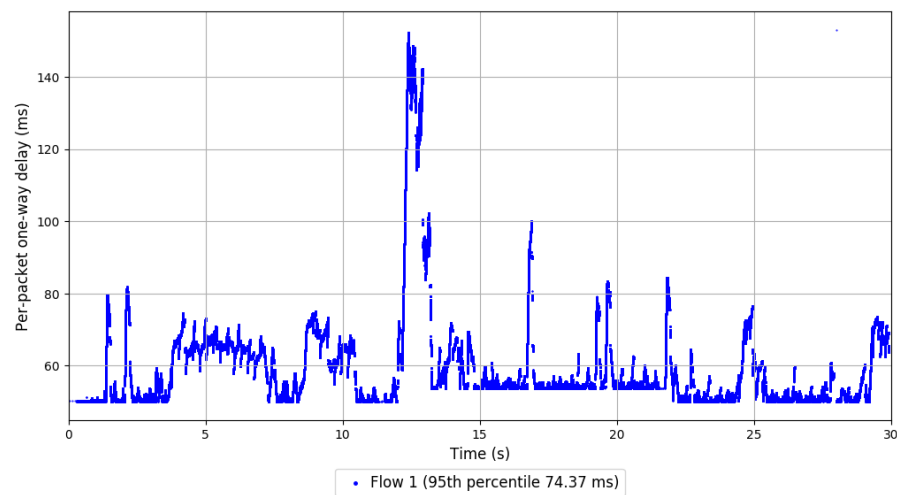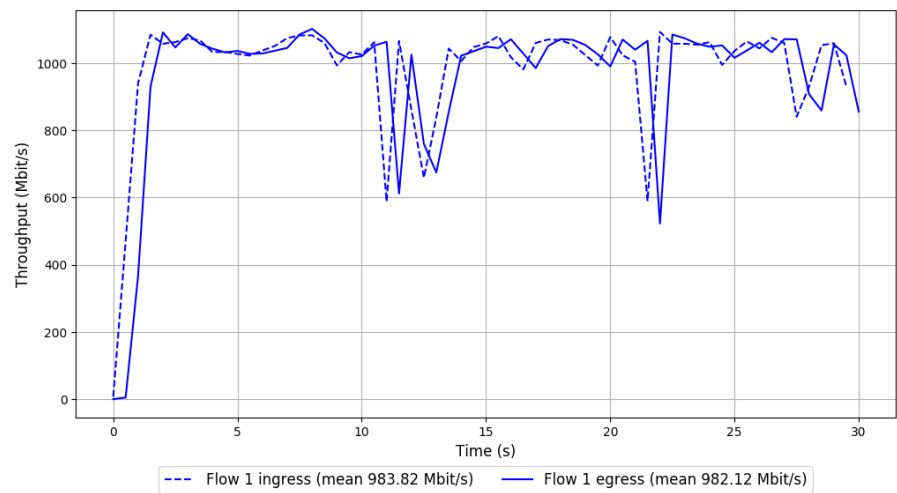
Run 3: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 879.49 Mbit/s) --- Flow 1 egress (mean 878.55 Mbit/s)

Flow 1 (95th percentile 92.63 ms)

```
Run 4: Statistics of FillP-Sheep

Start at: 2018-08-03 19:40:30
End at: 2018-08-03 19:41:00
Local clock offset: 0.206 ms
Remote clock offset: -0.067 ms


# Below is generated by plot.py at 2018-08-03 23:15:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 858.53 Mbit/s
95th percentile per-packet one-way delay: 90.316 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 858.53 Mbit/s
95th percentile per-packet one-way delay: 90.316 ms
Loss rate: 0.46%
```
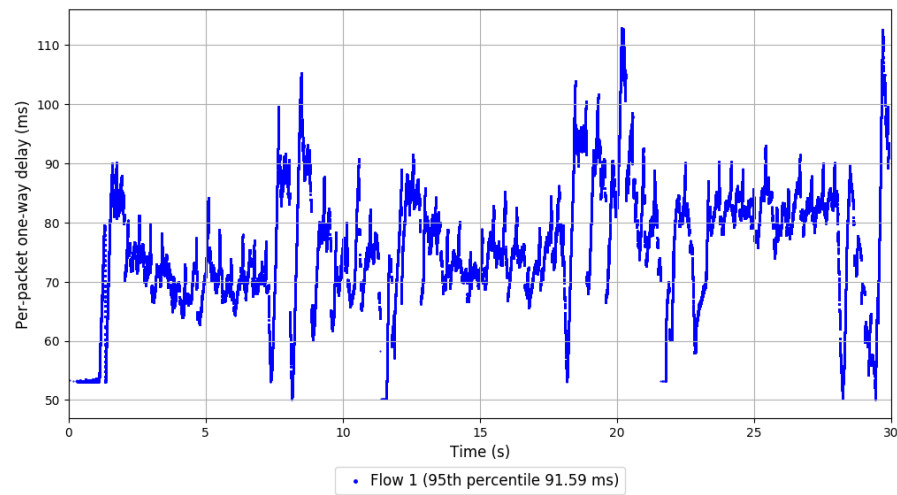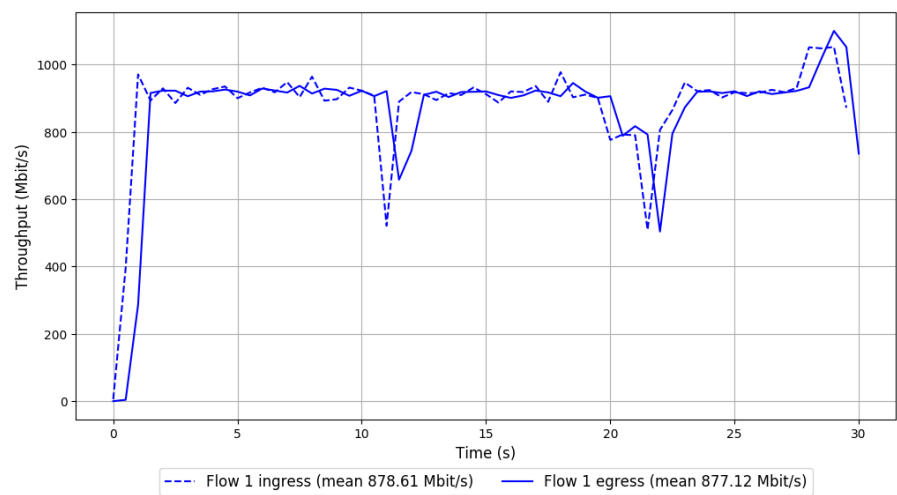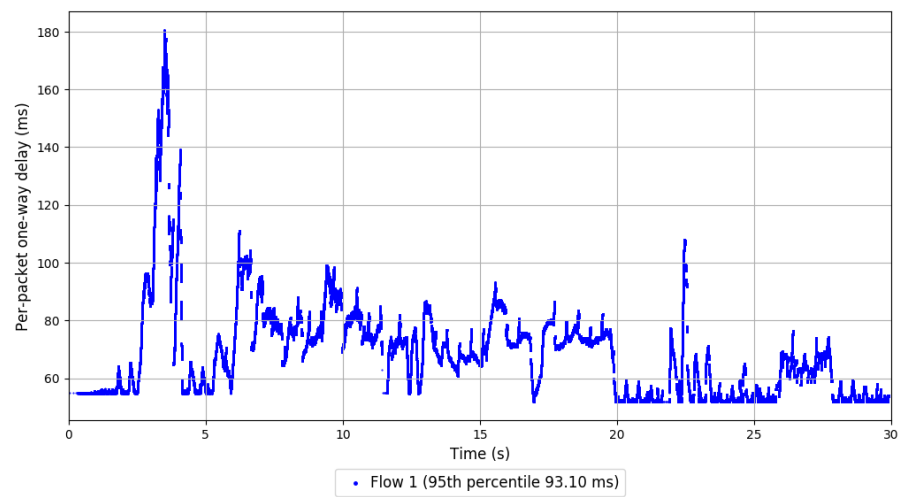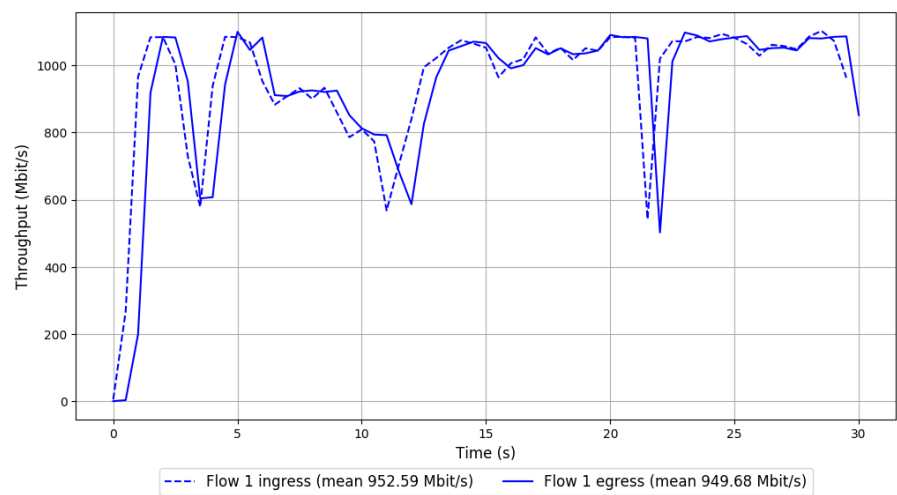
Run 4: Report of FillP-Sheep — Data Link

```
Run 5: Statistics of FillP-Sheep

Start at: 2018-08-03 20:02:40
End at: 2018-08-03 20:03:10
Local clock offset: 0.13 ms
Remote clock offset: -0.185 ms


# Below is generated by plot.py at 2018-08-03 23:19:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 982.12 Mbit/s
95th percentile per-packet one-way delay: 74.373 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 982.12 Mbit/s
95th percentile per-packet one-way delay: 74.373 ms
Loss rate: 0.51%
```

Run 5: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 983.82 Mbit/s) --- Flow 1 egress (mean 982.12 Mbit/s)
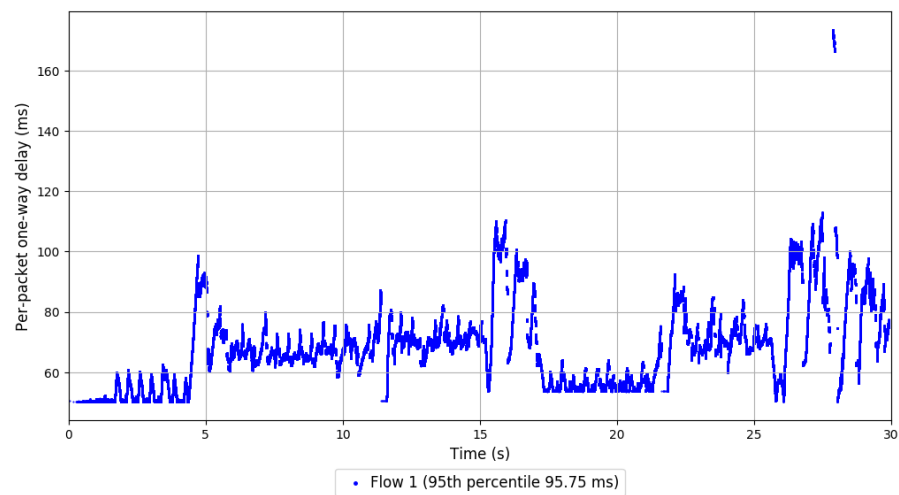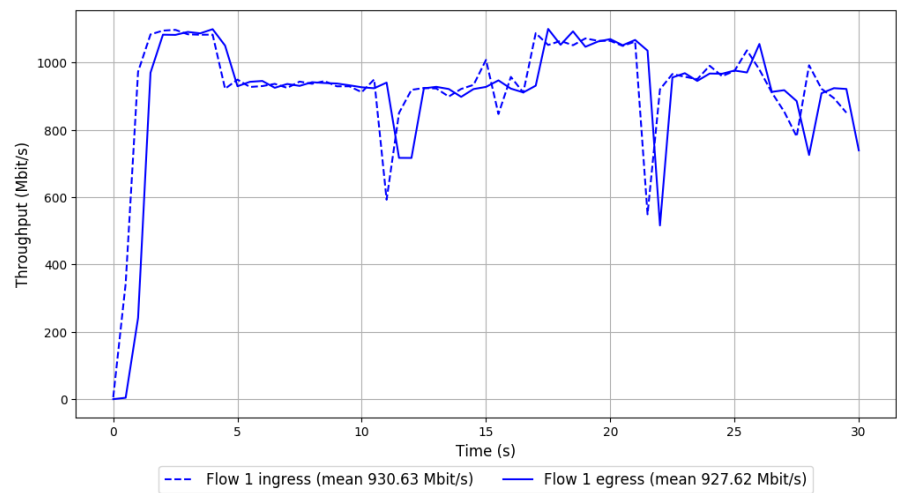

Flow 1 (95th percentile 74.37 ms)

```
Run 6: Statistics of FillP-Sheep

Start at: 2018-08-03 20:24:51
End at: 2018-08-03 20:25:21
Local clock offset: 0.21 ms
Remote clock offset: -0.035 ms


# Below is generated by plot.py at 2018-08-03 23:19:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 877.12 Mbit/s
95th percentile per-packet one-way delay: 91.589 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 877.12 Mbit/s
95th percentile per-packet one-way delay: 91.589 ms
Loss rate: 0.52%
```

Run 6: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 878.61 Mbit/s)   Flow 1 egress (mean 877.12 Mbit/s)

Flow 1 (95th percentile 91.59 ms)

```
Run 7: Statistics of FillP-Sheep

Start at: 2018-08-03 20:47:24
End at: 2018-08-03 20:47:54
Local clock offset: -0.022 ms
Remote clock offset: -1.457 ms


# Below is generated by plot.py at 2018-08-03 23:31:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 949.68 Mbit/s
95th percentile per-packet one-way delay: 93.101 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 949.68 Mbit/s
95th percentile per-packet one-way delay: 93.101 ms
Loss rate: 0.65%
```
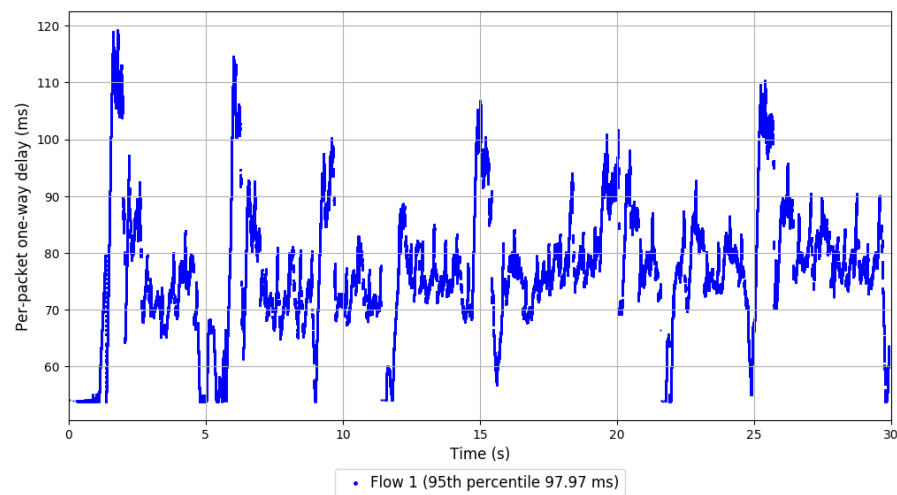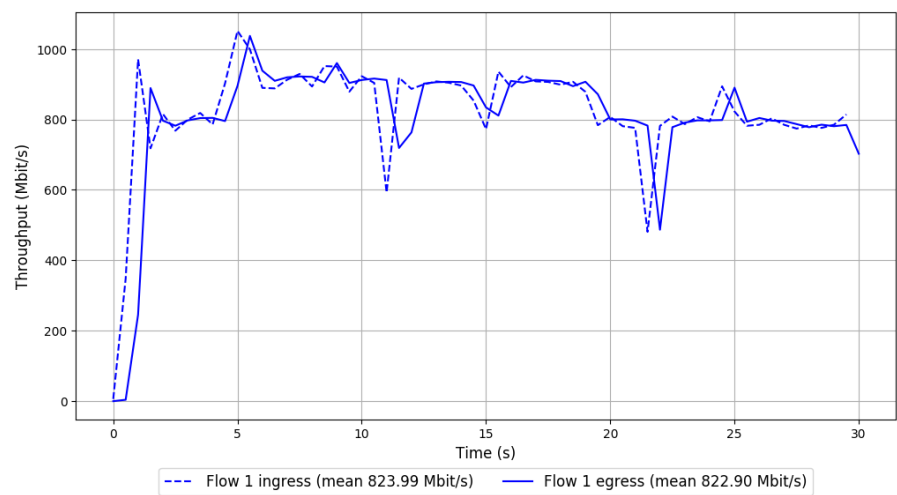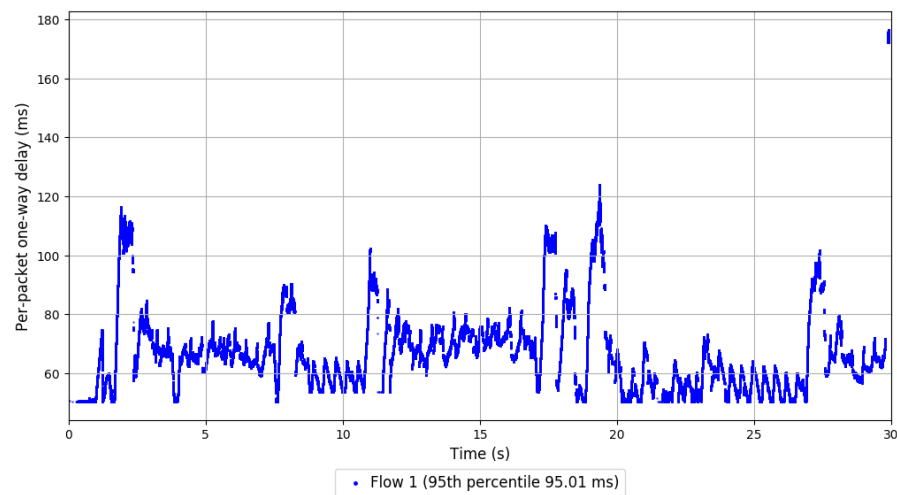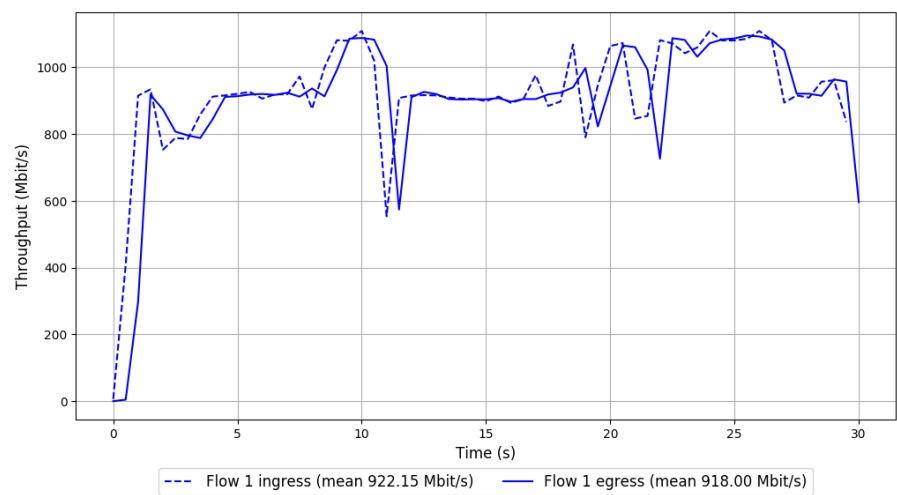
Run 7: Report of FillP-Sheep — Data Link

```
Run 8: Statistics of FillP-Sheep

Start at: 2018-08-03 21:09:54
End at: 2018-08-03 21:10:24
Local clock offset: -0.007 ms
Remote clock offset: -0.264 ms


# Below is generated by plot.py at 2018-08-03 23:31:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 927.62 Mbit/s
95th percentile per-packet one-way delay: 95.754 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 927.62 Mbit/s
95th percentile per-packet one-way delay: 95.754 ms
Loss rate: 0.66%
```

Run 8: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 930.63 Mbit/s) --- Flow 1 egress (mean 927.62 Mbit/s)

Flow 1 (95th percentile 95.75 ms)

```
Run 9: Statistics of FillP-Sheep

Start at: 2018-08-03 21:32:09
End at: 2018-08-03 21:32:39
Local clock offset: 0.163 ms
Remote clock offset: -0.348 ms


# Below is generated by plot.py at 2018-08-03 23:31:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 822.90 Mbit/s
95th percentile per-packet one-way delay: 97.966 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 822.90 Mbit/s
95th percentile per-packet one-way delay: 97.966 ms
Loss rate: 0.48%
```
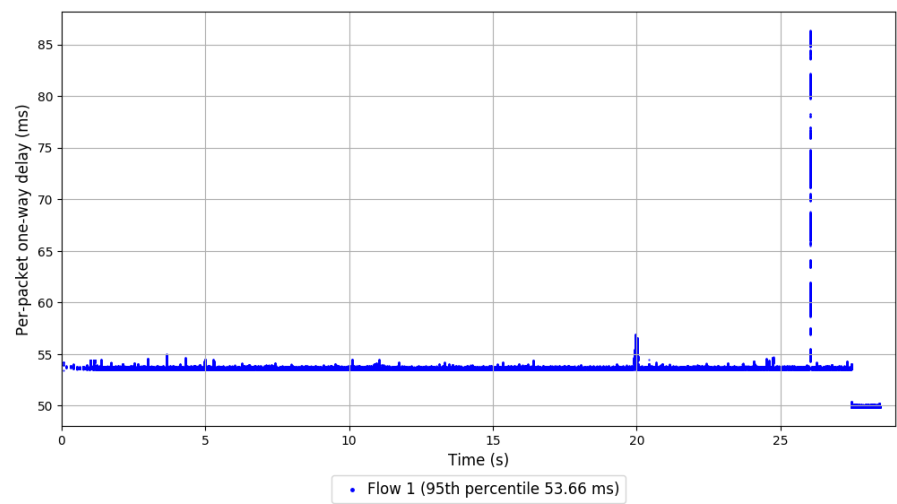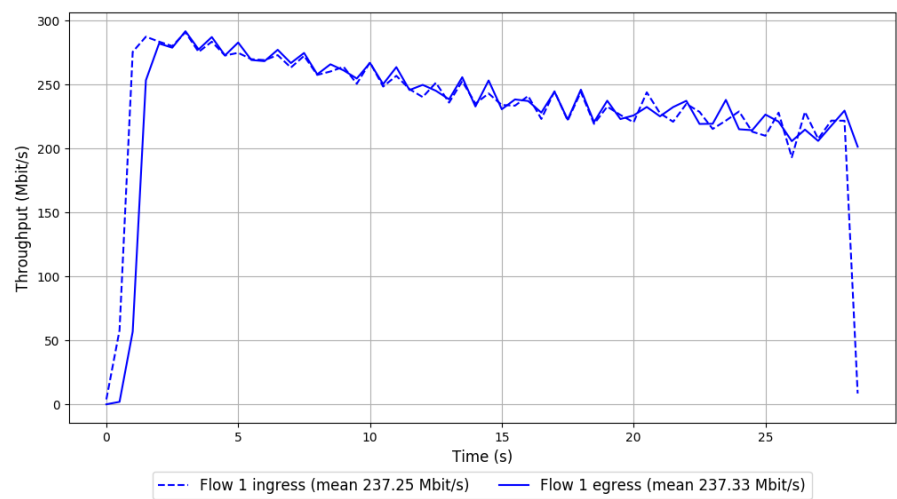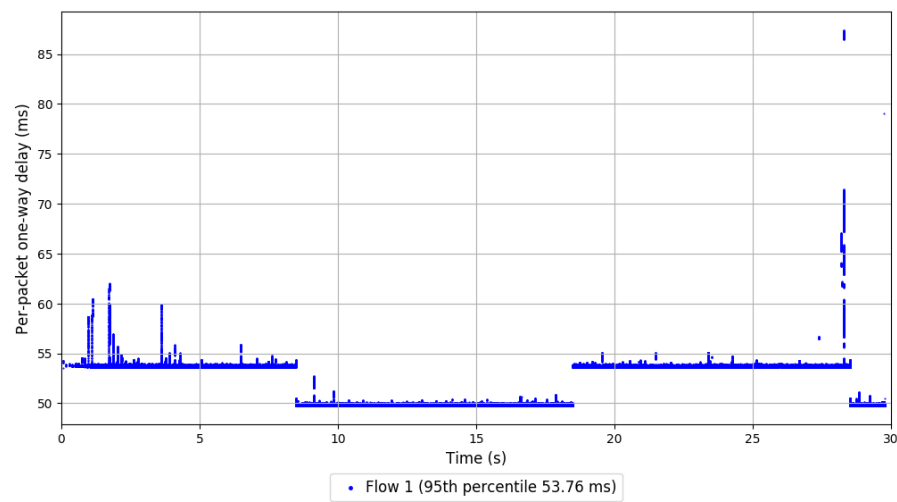
Run 9: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 823.99 Mbit/s) ——— Flow 1 egress (mean 822.90 Mbit/s)

Flow 1 (95th percentile 97.97 ms)

```
Run 10: Statistics of FillP-Sheep

Start at: 2018-08-03 21:54:03
End at: 2018-08-03 21:54:33
Local clock offset: -0.128 ms
Remote clock offset: -0.486 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 918.00 Mbit/s
95th percentile per-packet one-way delay: 95.010 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 918.00 Mbit/s
95th percentile per-packet one-way delay: 95.010 ms
Loss rate: 0.69%
```

Run 10: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 922.15 Mbit/s) --- Flow 1 egress (mean 918.00 Mbit/s)
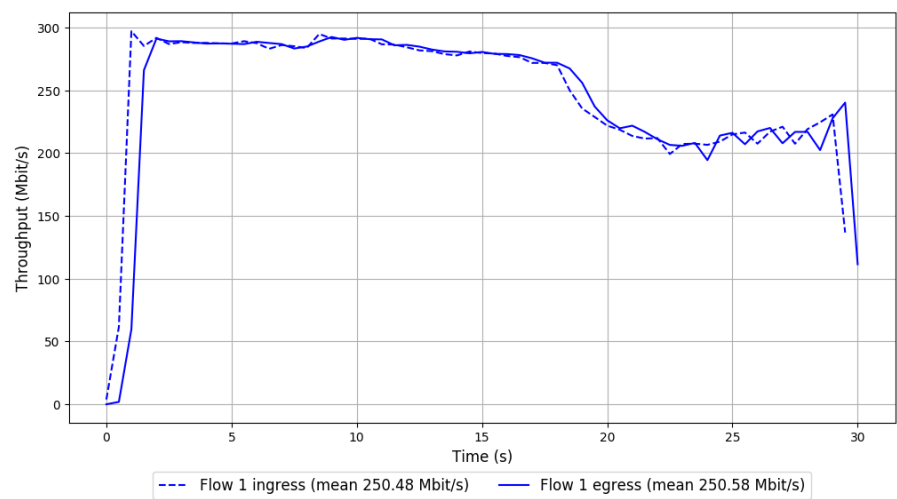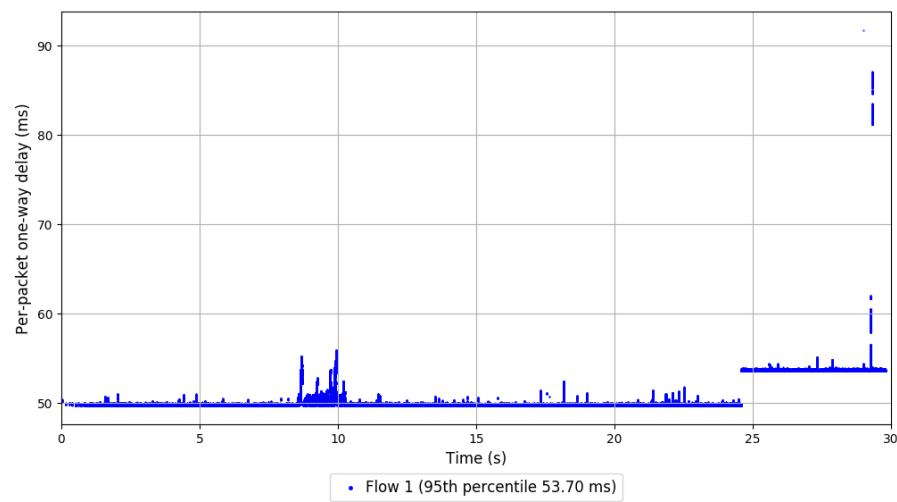

Flow 1 (95th percentile 95.01 ms)

```
Run 1: Statistics of Indigo

Start at: 2018-08-03 18:45:23
End at: 2018-08-03 18:45:53
Local clock offset: -0.077 ms
Remote clock offset: -0.05 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.33 Mbit/s
95th percentile per-packet one-way delay: 53.658 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 237.33 Mbit/s
95th percentile per-packet one-way delay: 53.658 ms
Loss rate: 0.34%
```
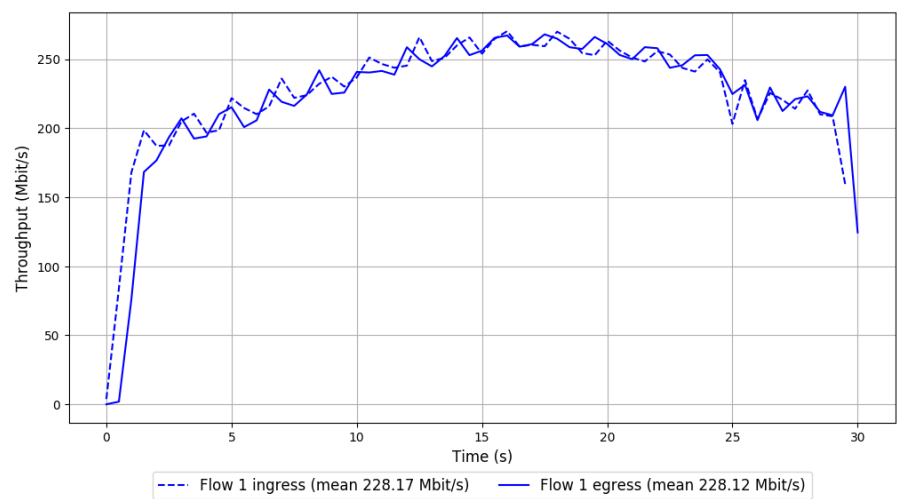
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2018-08-03 19:08:03
End at: 2018-08-03 19:08:33
Local clock offset: 0.017 ms
Remote clock offset: -0.075 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.58 Mbit/s
95th percentile per-packet one-way delay: 53.756 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 250.58 Mbit/s
95th percentile per-packet one-way delay: 53.756 ms
Loss rate: 0.31%
```
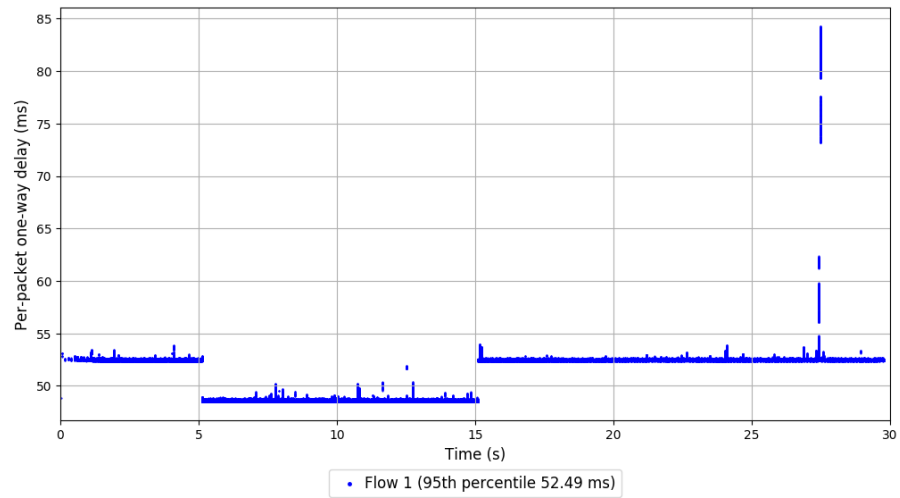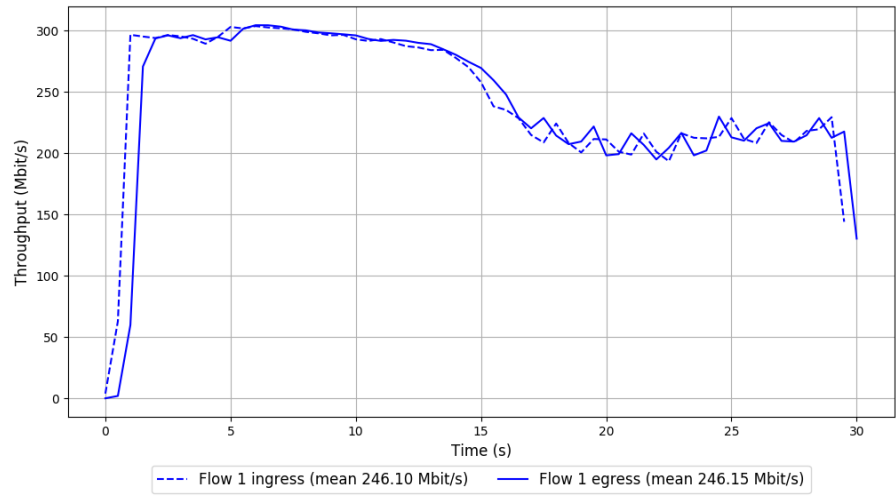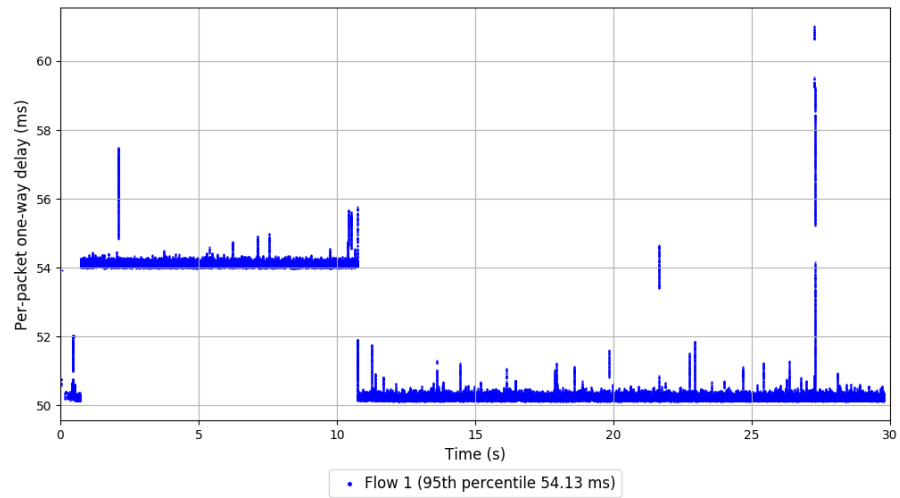
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2018-08-03 19:30:37
End at: 2018-08-03 19:31:07
Local clock offset: -0.089 ms
Remote clock offset: -0.129 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.12 Mbit/s
95th percentile per-packet one-way delay: 53.696 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 228.12 Mbit/s
95th percentile per-packet one-way delay: 53.696 ms
Loss rate: 0.35%
```
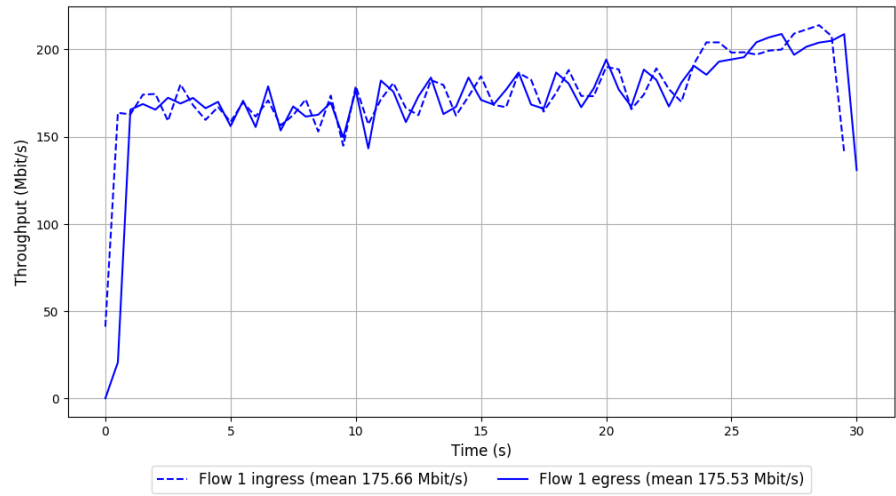
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2018-08-03 19:52:46
End at: 2018-08-03 19:53:16
Local clock offset: 0.028 ms
Remote clock offset: 1.241 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.15 Mbit/s
95th percentile per-packet one-way delay: 52.491 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 246.15 Mbit/s
95th percentile per-packet one-way delay: 52.491 ms
Loss rate: 0.32%
```
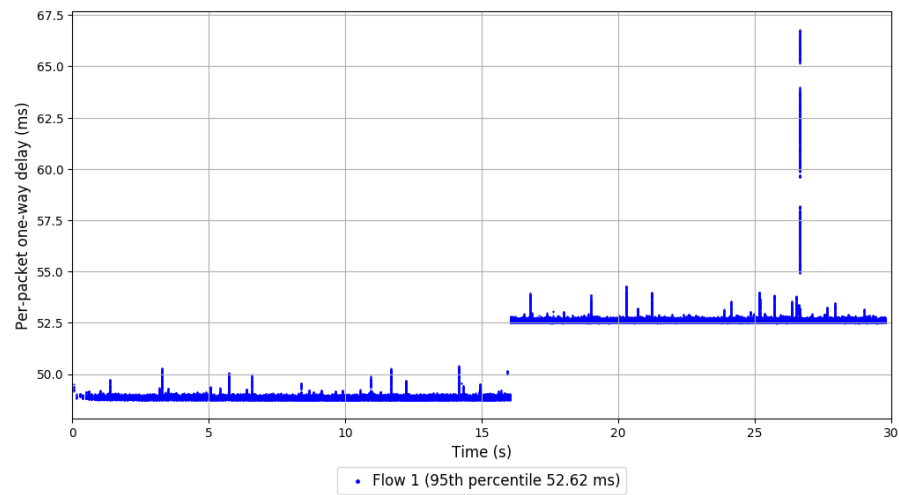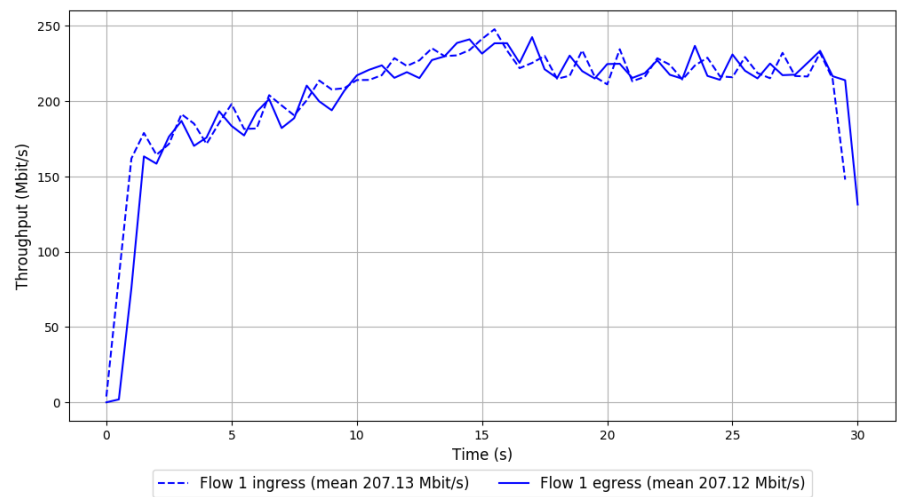
Run 4: Report of Indigo — Data Link

Flow 1 ingress (mean 246.10 Mbit/s)   Flow 1 egress (mean 246.15 Mbit/s)

Flow 1 (95th percentile 52.49 ms)

```
Run 5: Statistics of Indigo

Start at: 2018-08-03 20:15:11
End at: 2018-08-03 20:15:41
Local clock offset: 0.206 ms
Remote clock offset: -0.157 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.53 Mbit/s
95th percentile per-packet one-way delay: 54.126 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 175.53 Mbit/s
95th percentile per-packet one-way delay: 54.126 ms
Loss rate: 0.42%
```
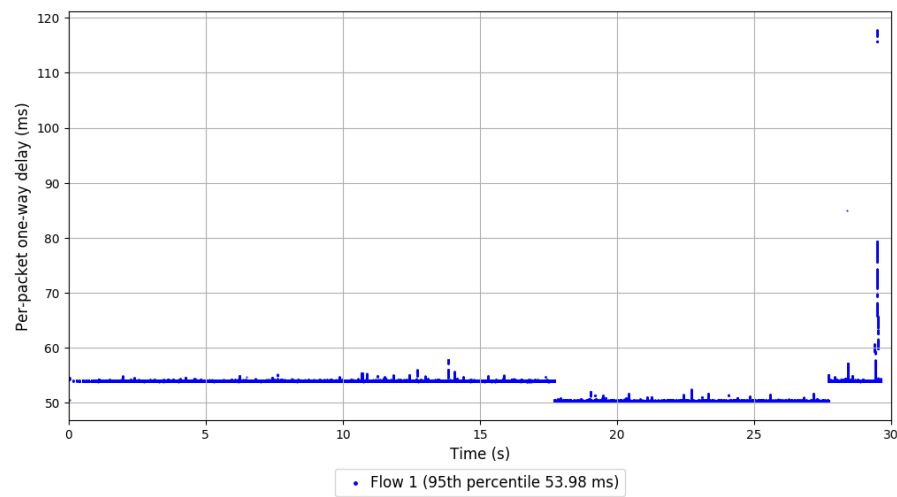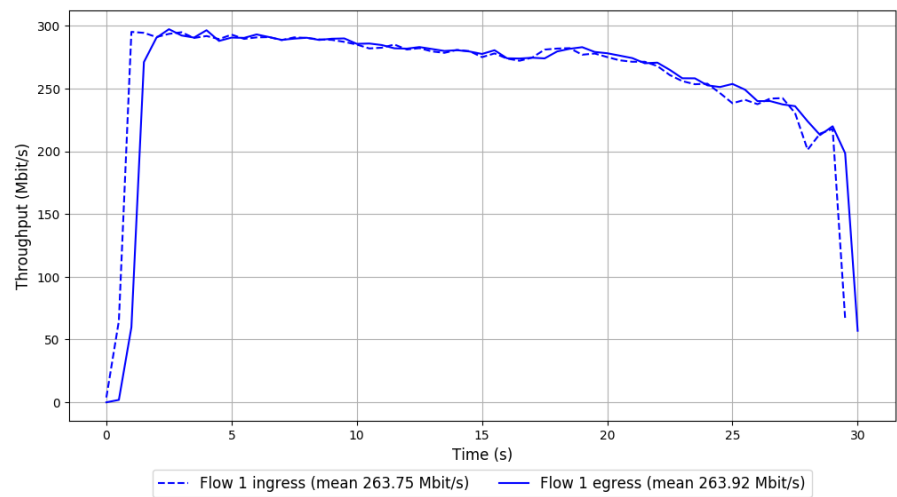
Run 5: Report of Indigo — Data Link

Flow 1 ingress (mean 175.66 Mbit/s) — Flow 1 egress (mean 175.53 Mbit/s)

Flow 1 (95th percentile 54.13 ms)

```
Run 6: Statistics of Indigo

Start at: 2018-08-03 20:37:05
End at: 2018-08-03 20:37:35
Local clock offset: -0.077 ms
Remote clock offset: 0.896 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.12 Mbit/s
95th percentile per-packet one-way delay: 52.622 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 207.12 Mbit/s
95th percentile per-packet one-way delay: 52.622 ms
Loss rate: 0.35%
```
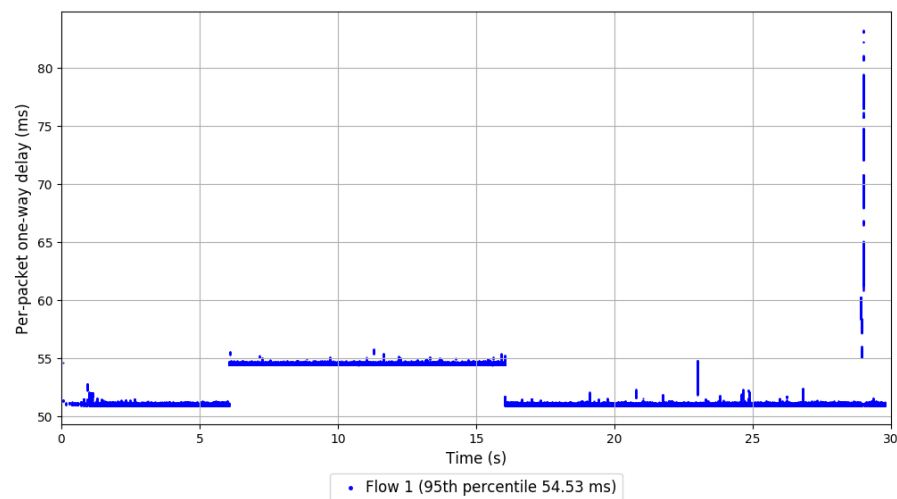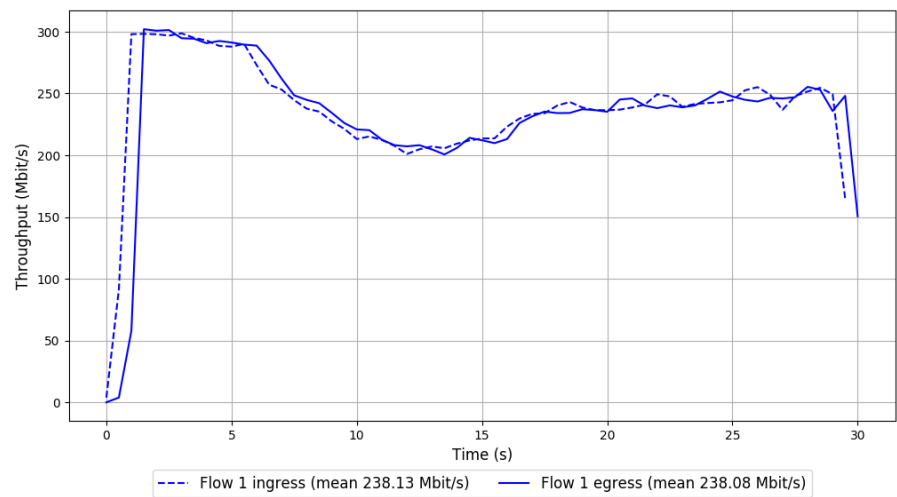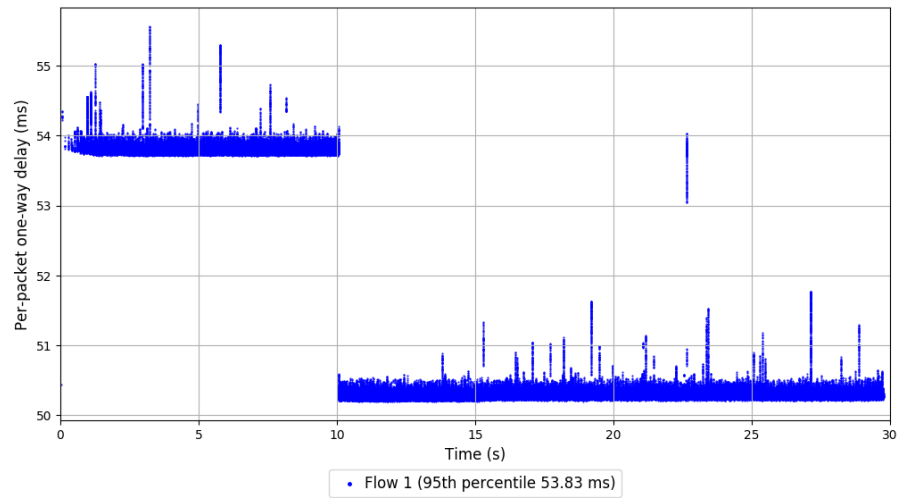
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2018-08-03 20:59:44
End at: 2018-08-03 21:00:14
Local clock offset: -0.083 ms
Remote clock offset: -0.52 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.92 Mbit/s
95th percentile per-packet one-way delay: 53.977 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 263.92 Mbit/s
95th percentile per-packet one-way delay: 53.977 ms
Loss rate: 0.27%
```
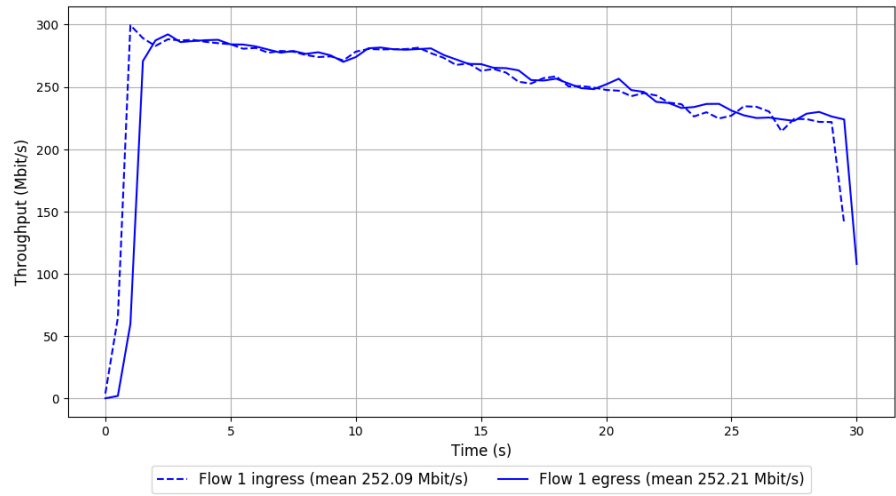
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2018-08-03 21:22:25
End at: 2018-08-03 21:22:55
Local clock offset: -0.246 ms
Remote clock offset: -1.259 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 238.08 Mbit/s
95th percentile per-packet one-way delay: 54.526 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 238.08 Mbit/s
95th percentile per-packet one-way delay: 54.526 ms
Loss rate: 0.36%
```
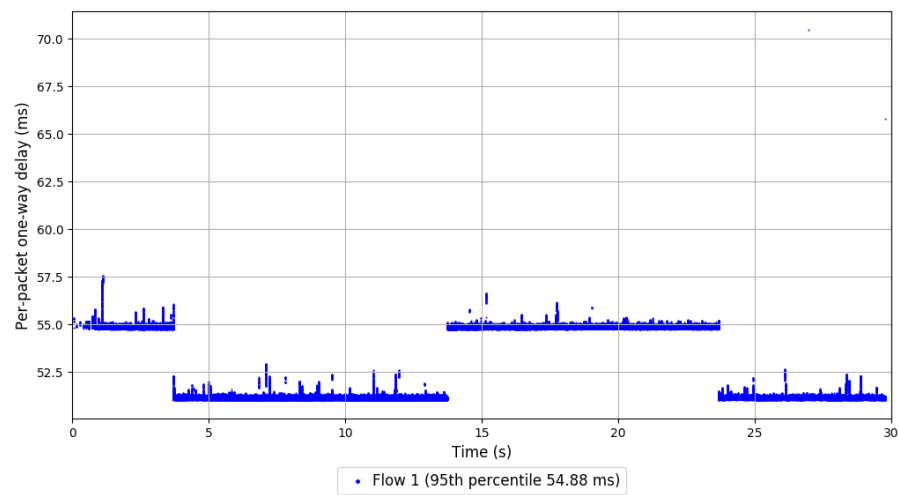
Run 8: Report of Indigo — Data Link

Flow 1 ingress (mean 238.13 Mbit/s)   Flow 1 egress (mean 238.08 Mbit/s)

Flow 1 (95th percentile 54.53 ms)

```
Run 9: Statistics of Indigo

Start at: 2018-08-03 21:44:21
End at: 2018-08-03 21:44:51
Local clock offset: 0.05 ms
Remote clock offset: -0.257 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.21 Mbit/s
95th percentile per-packet one-way delay: 53.832 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 252.21 Mbit/s
95th percentile per-packet one-way delay: 53.832 ms
Loss rate: 0.29%
```
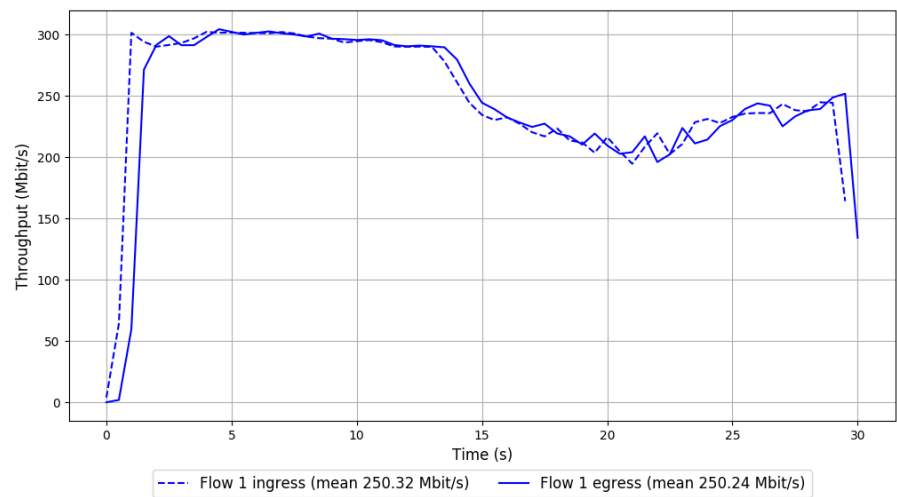
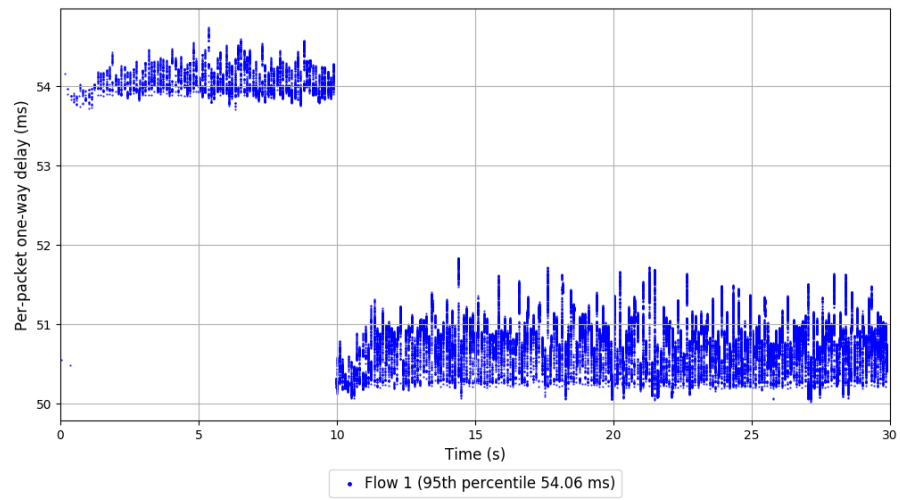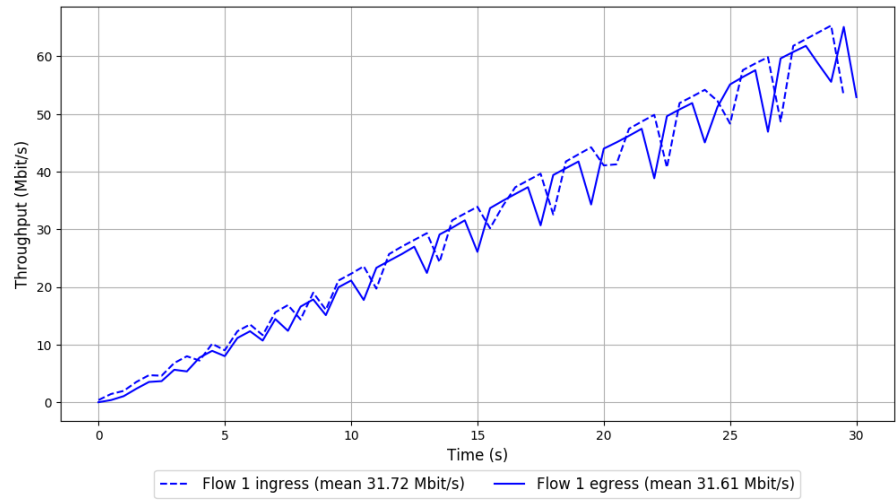Run 9: Report of Indigo — Data Link

Flow 1 ingress (mean 252.09 Mbit/s)   Flow 1 egress (mean 252.21 Mbit/s)

• Flow 1 (95th percentile 53.83 ms)

```
Run 10: Statistics of Indigo

Start at: 2018-08-03 22:06:08
End at: 2018-08-03 22:06:38
Local clock offset: 0.143 ms
Remote clock offset: -1.145 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.24 Mbit/s
95th percentile per-packet one-way delay: 54.880 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 250.24 Mbit/s
95th percentile per-packet one-way delay: 54.880 ms
Loss rate: 0.34%
```
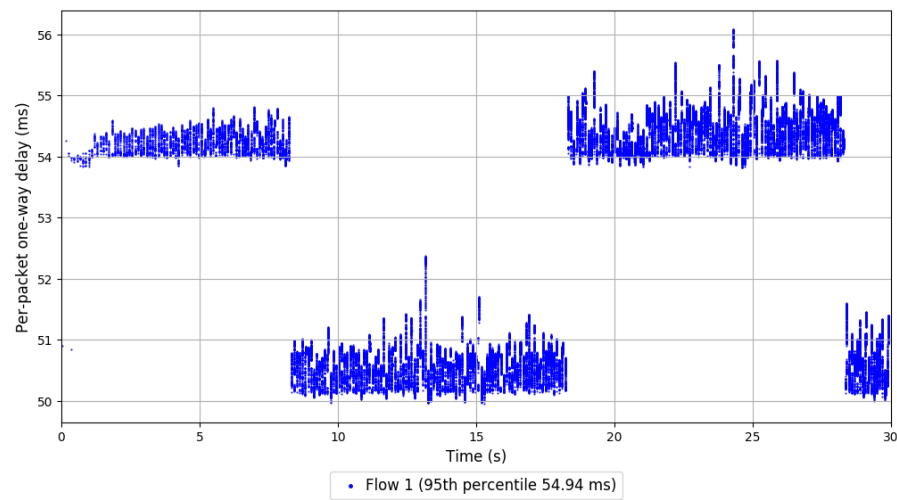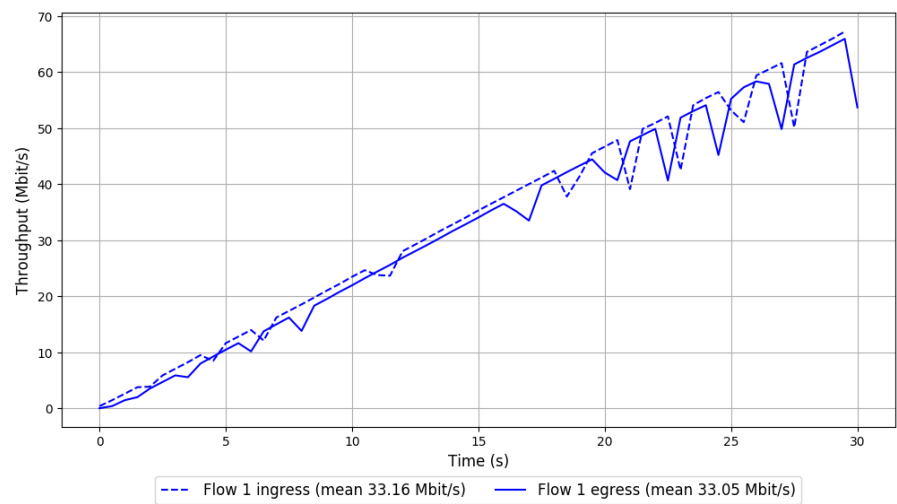
Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 250.32 Mbit/s) --- Flow 1 egress (mean 250.24 Mbit/s)

Flow 1 (95th percentile 54.88 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2018-08-03 18:46:42
End at: 2018-08-03 18:47:12
Local clock offset: -0.092 ms
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 54.059 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 54.059 ms
Loss rate: 0.70%
```
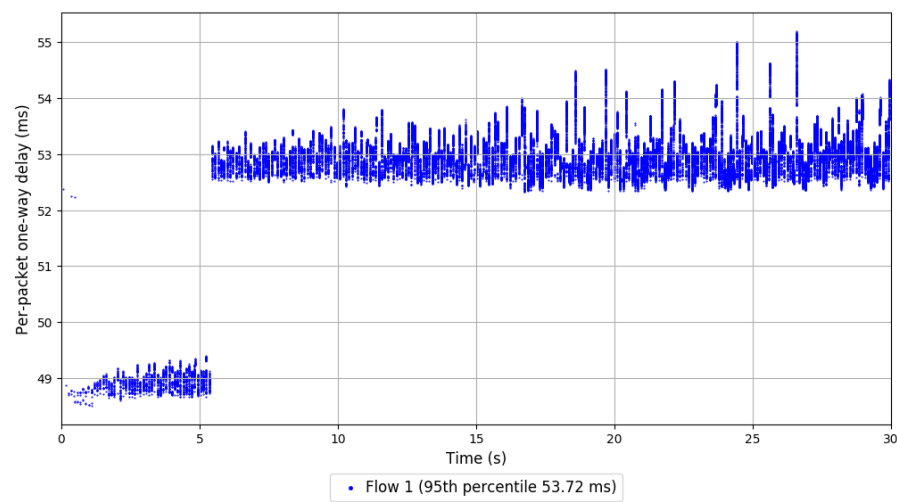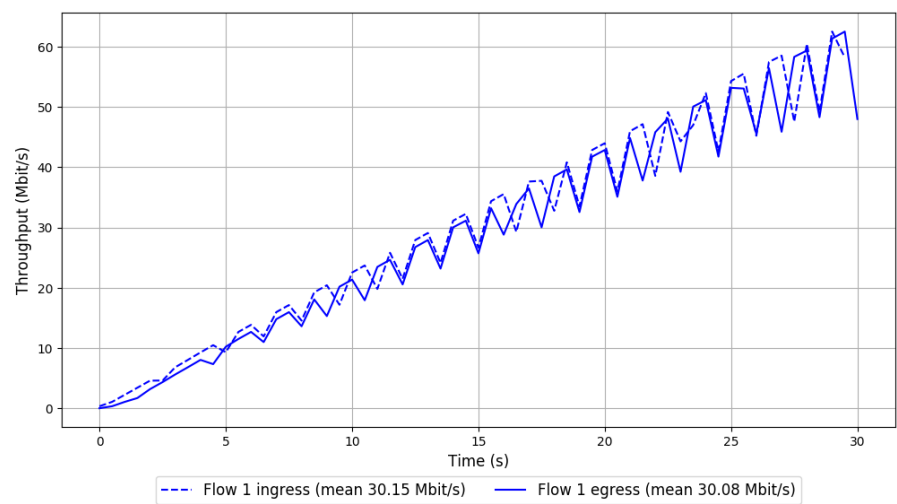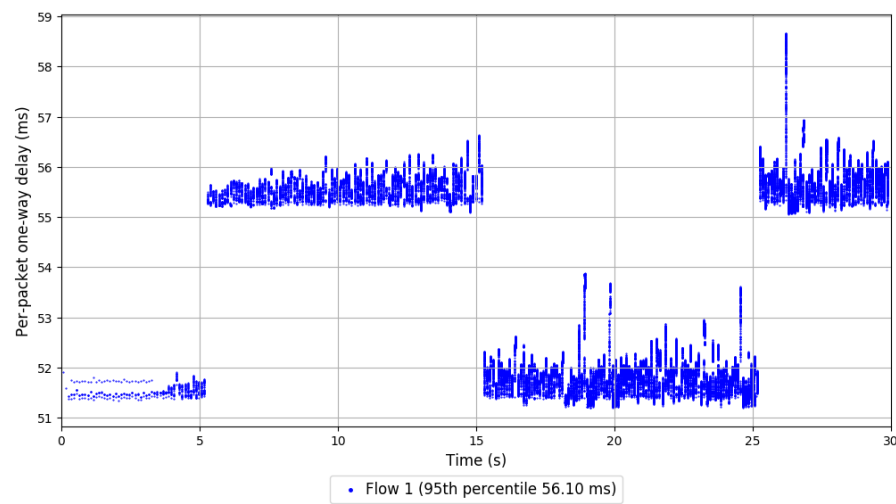
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 31.72 Mbit/s)   Flow 1 egress (mean 31.61 Mbit/s)

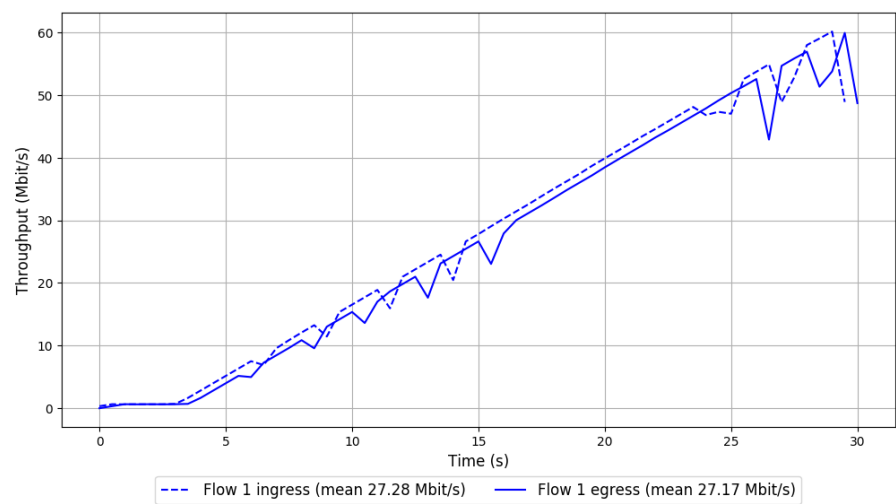

• Flow 1 (95th percentile 54.06 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2018-08-03 19:09:23
End at: 2018-08-03 19:09:53
Local clock offset: 0.093 ms
Remote clock offset: -0.17 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 54.944 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 54.944 ms
Loss rate: 0.68%
```

Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 33.16 Mbit/s)   —— Flow 1 egress (mean 33.05 Mbit/s)
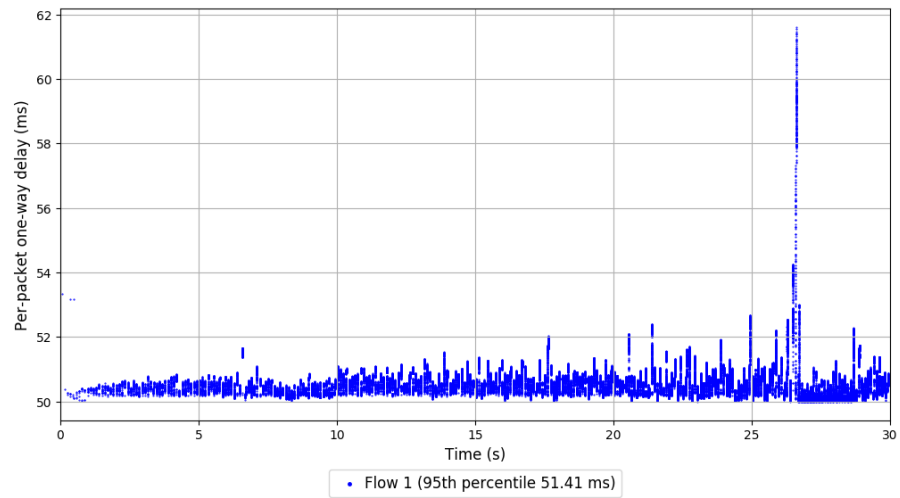

• Flow 1 (95th percentile 54.94 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2018-08-03 19:31:56
End at: 2018-08-03 19:32:26
Local clock offset: 0.07 ms
Remote clock offset: 1.293 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 53.720 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 53.720 ms
Loss rate: 0.57%
```
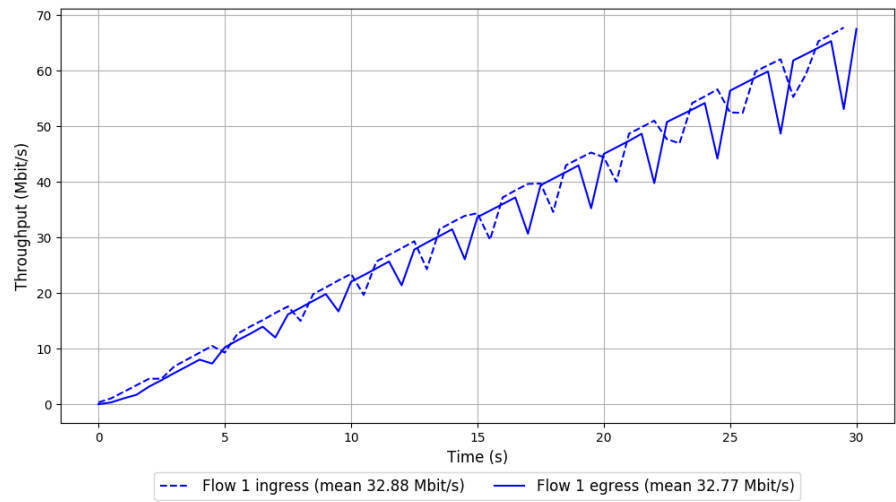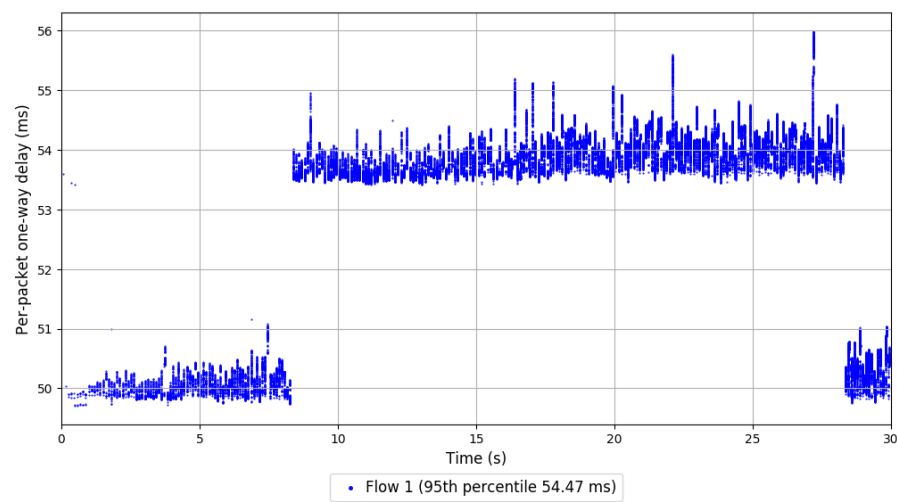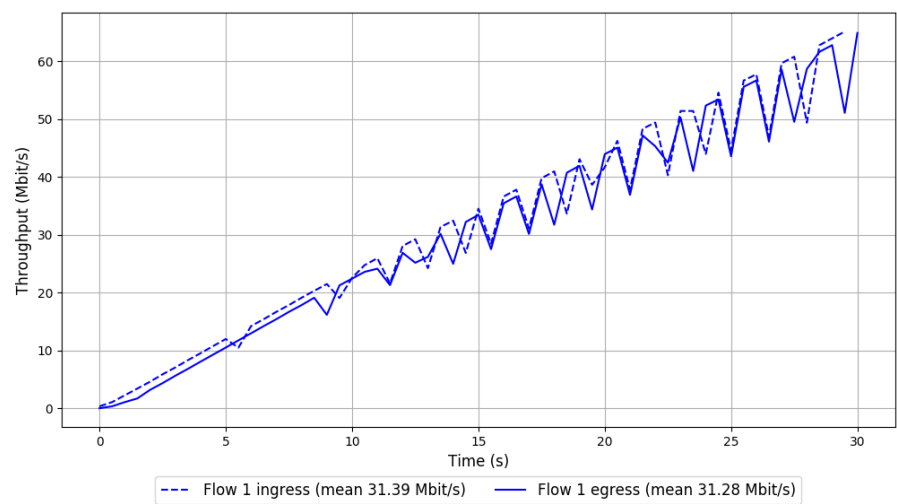
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 30.15 Mbit/s) --- Flow 1 egress (mean 30.08 Mbit/s)

• Flow 1 (95th percentile 53.72 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2018-08-03 19:54:06
End at: 2018-08-03 19:54:36
Local clock offset: 0.158 ms
Remote clock offset: -1.321 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 56.104 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 56.104 ms
Loss rate: 0.75%
```

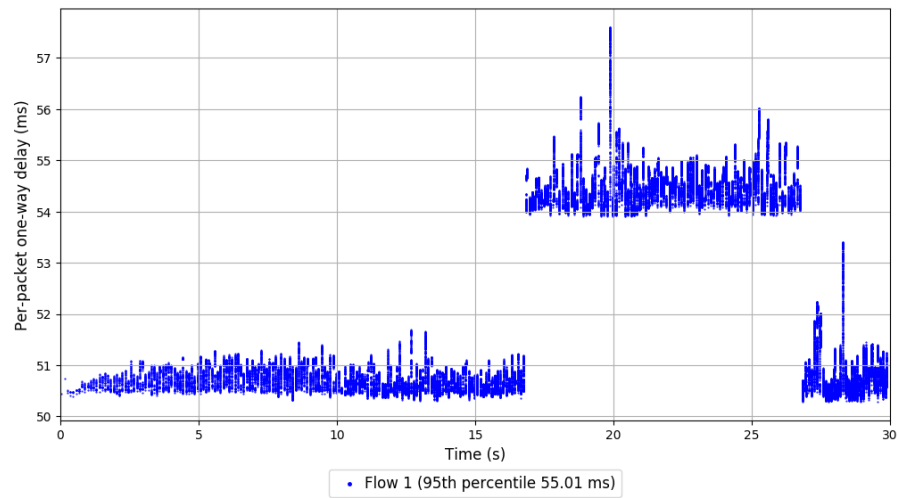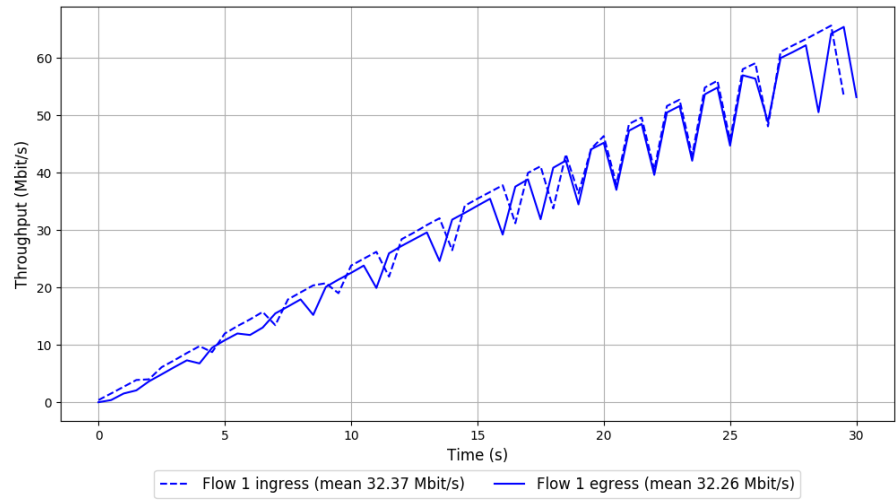## Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2018-08-03 20:16:27
End at: 2018-08-03 20:16:57
Local clock offset: -0.073 ms
Remote clock offset: -0.314 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 51.410 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 51.410 ms
Loss rate: 0.69%
```
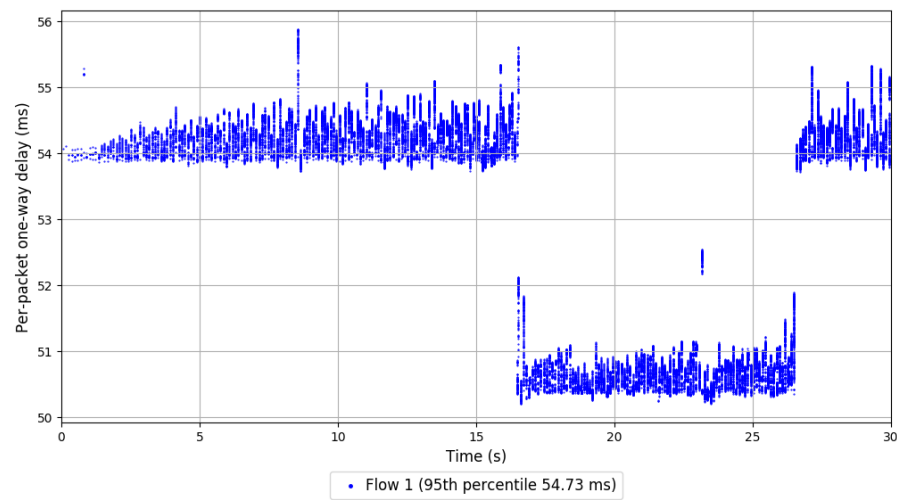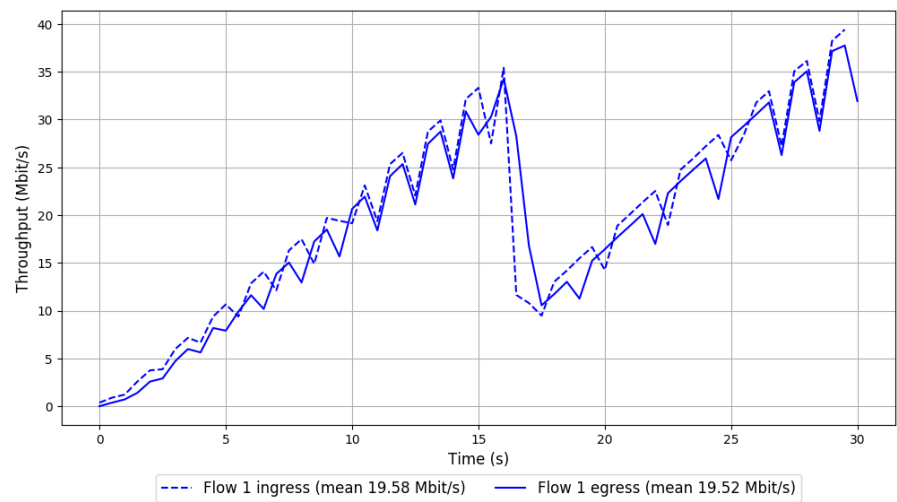
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 32.88 Mbit/s)   Flow 1 egress (mean 32.77 Mbit/s)

Flow 1 (95th percentile 51.41 ms)

```
Run 6: Statistics of LEDBAT

Start at: 2018-08-03 20:38:23
End at: 2018-08-03 20:38:53
Local clock offset: -0.085 ms
Remote clock offset: -0.023 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 54.468 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 54.468 ms
Loss rate: 0.70%
```

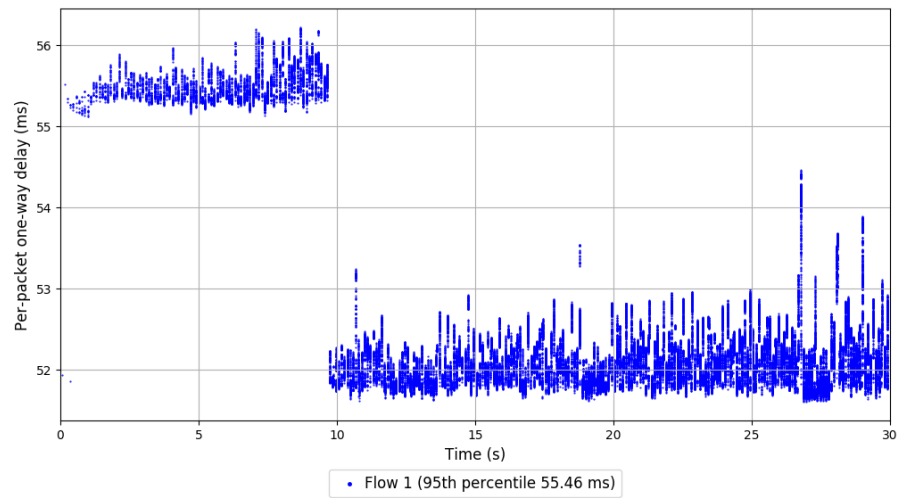# Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2018-08-03 21:01:05
End at: 2018-08-03 21:01:35
Local clock offset: 0.064 ms
Remote clock offset: -0.453 ms

# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 55.006 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 55.006 ms
Loss rate: 0.69%
```
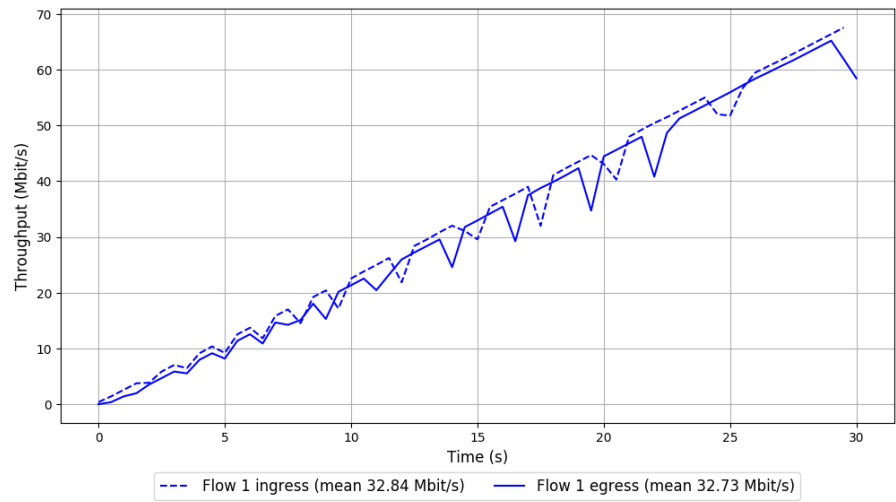
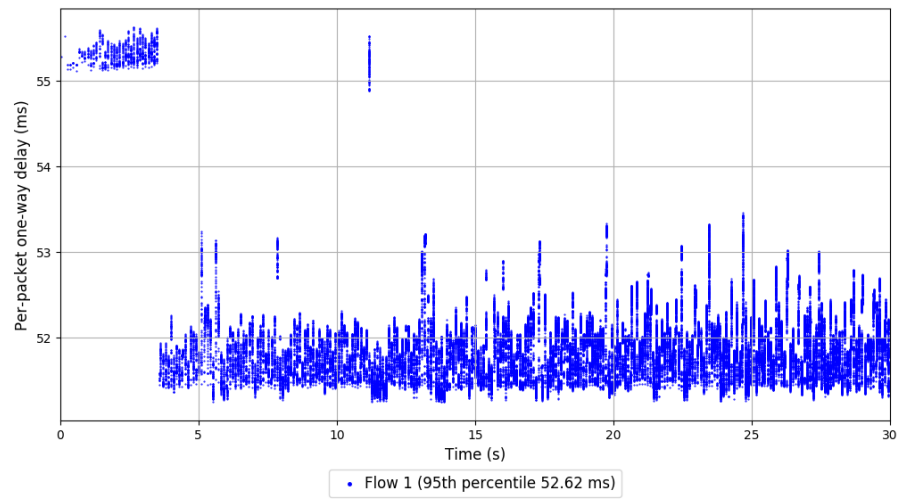## Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2018-08-03 21:23:45
End at: 2018-08-03 21:24:15
Local clock offset: -0.041 ms
Remote clock offset: -0.328 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 54.731 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 54.731 ms
Loss rate: 0.68%
```

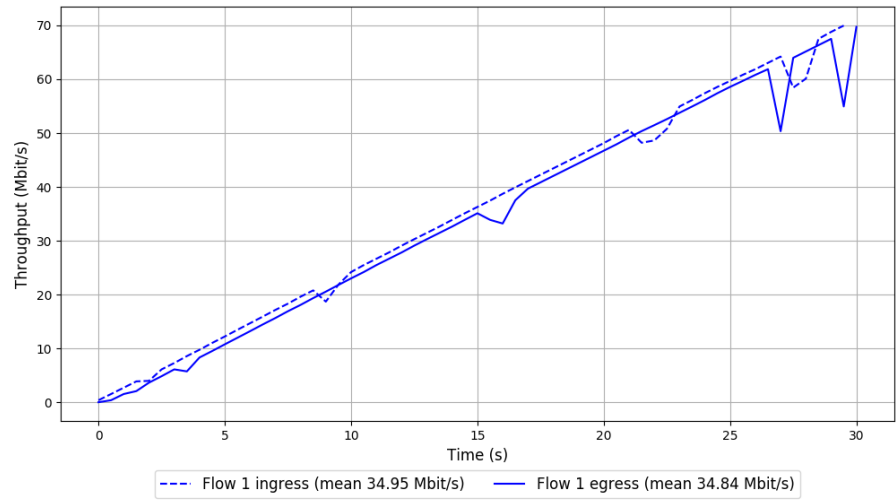# Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2018-08-03 21:45:42
End at: 2018-08-03 21:46:12
Local clock offset: 0.172 ms
Remote clock offset: -1.526 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 55.462 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 55.462 ms
Loss rate: 0.69%
```
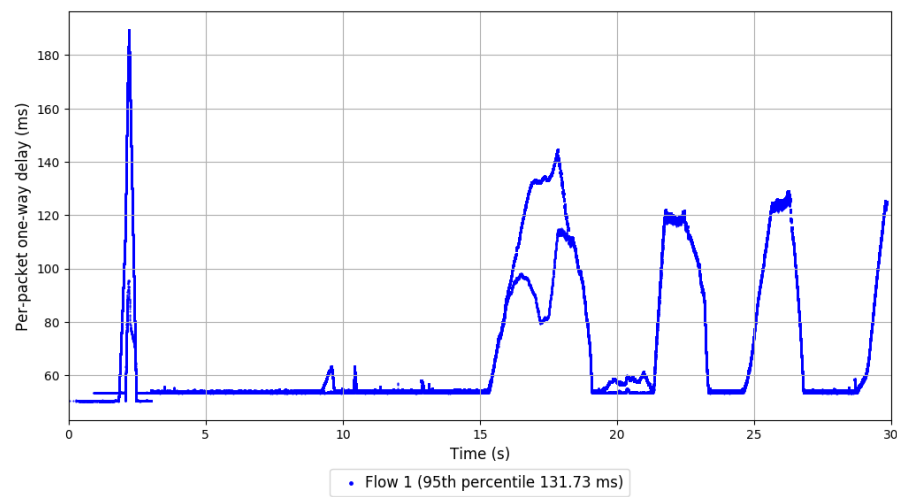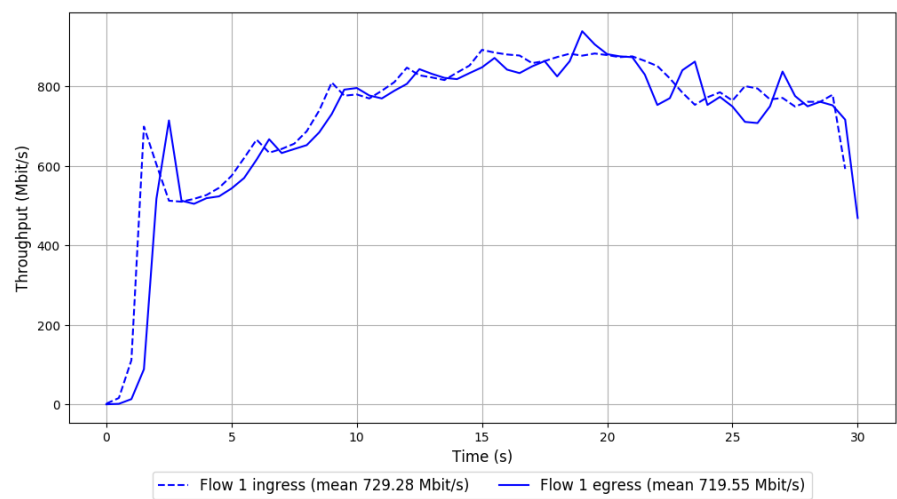
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 32.84 Mbit/s) ——— Flow 1 egress (mean 32.73 Mbit/s)

• Flow 1 (95th percentile 55.46 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2018-08-03 22:07:28
End at: 2018-08-03 22:07:58
Local clock offset: 0.08 ms
Remote clock offset: -1.438 ms


# Below is generated by plot.py at 2018-08-03 23:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 52.616 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 52.616 ms
Loss rate: 0.67%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 34.95 Mbit/s) ----- Flow 1 egress (mean 34.84 Mbit/s)
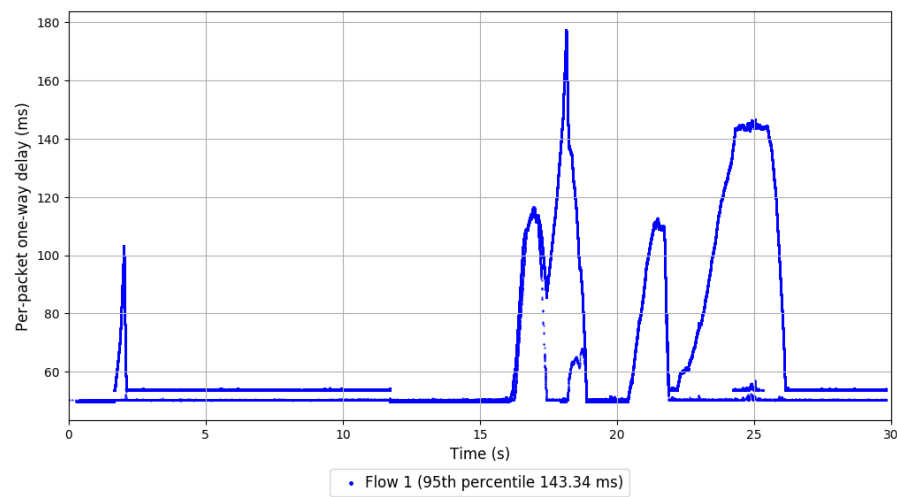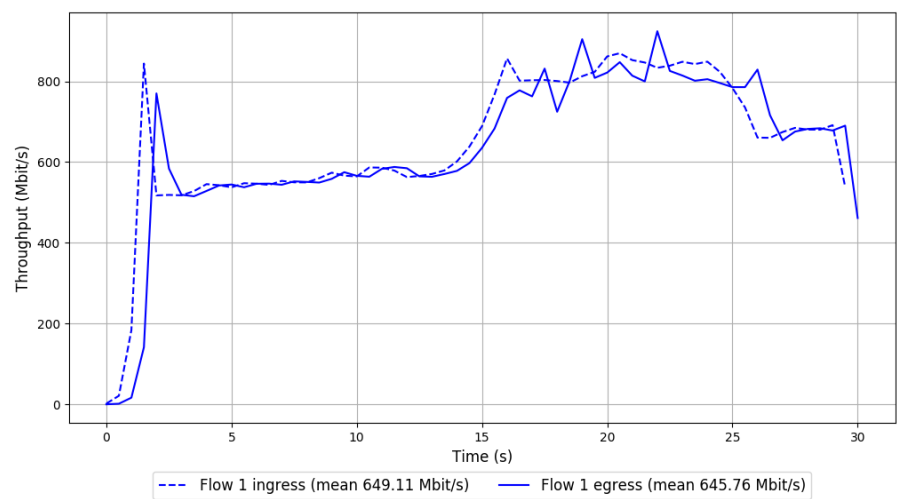

• Flow 1 (95th percentile 52.62 ms)

```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-03 18:31:48
End at: 2018-08-03 18:32:18
Local clock offset: 0.119 ms
Remote clock offset: -0.298 ms


# Below is generated by plot.py at 2018-08-03 23:39:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 719.55 Mbit/s
95th percentile per-packet one-way delay: 131.732 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 719.55 Mbit/s
95th percentile per-packet one-way delay: 131.732 ms
Loss rate: 1.67%
```
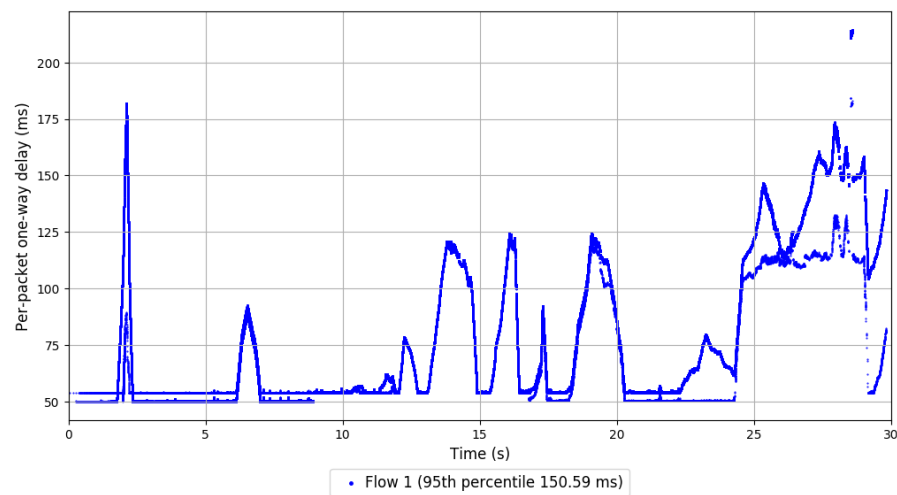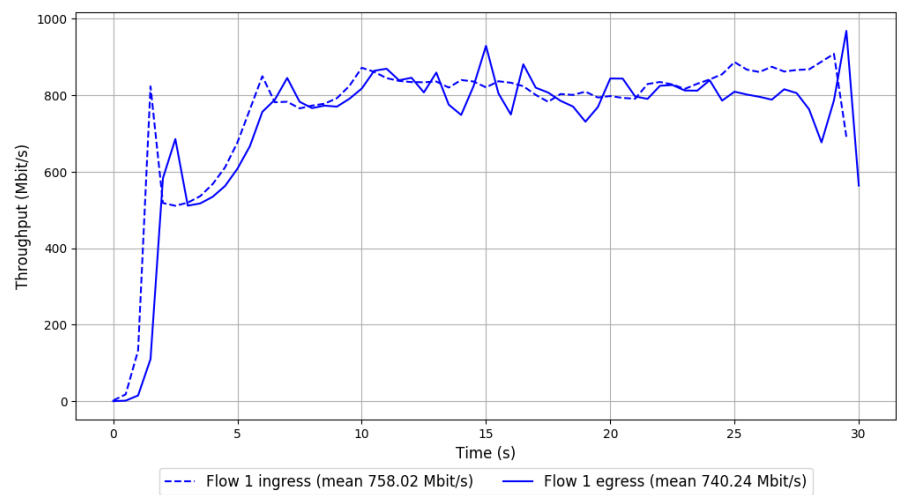
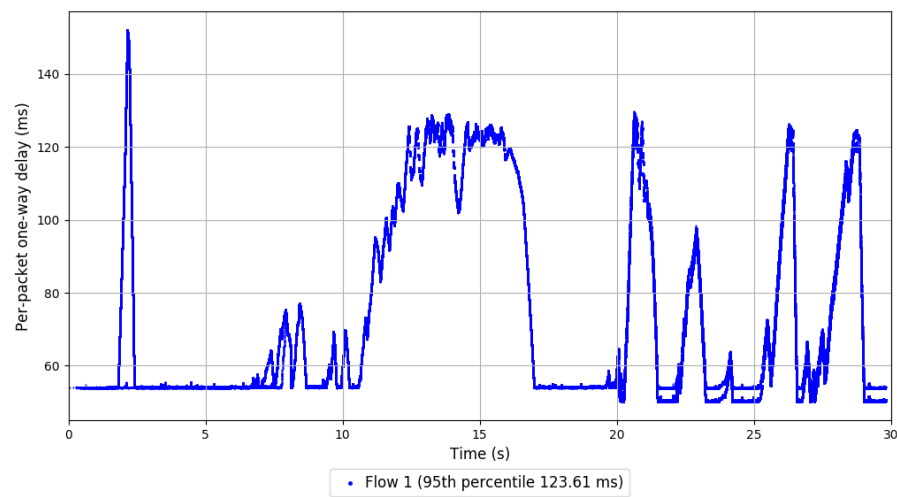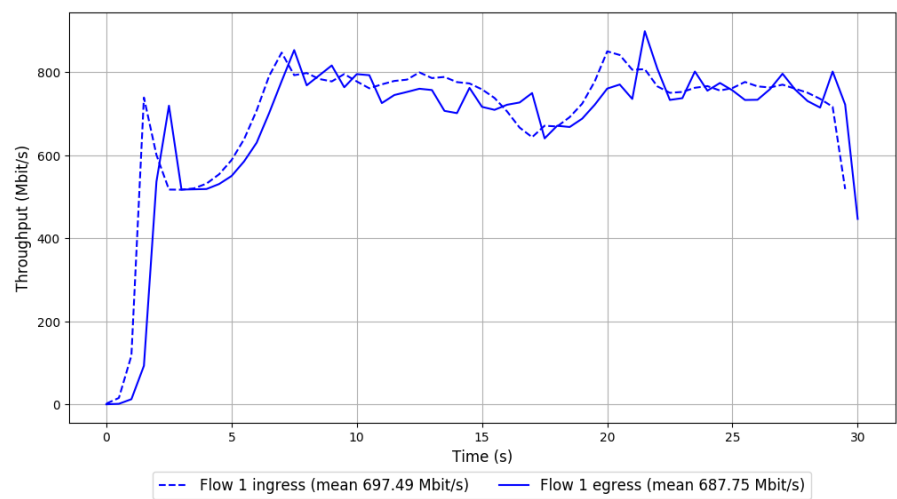# Run 1: Report of PCC-Allegro — Data Link

```
Run 2: Statistics of PCC-Allegro

Start at: 2018-08-03 18:54:10
End at: 2018-08-03 18:54:40
Local clock offset: -0.089 ms
Remote clock offset: -0.187 ms


# Below is generated by plot.py at 2018-08-03 23:39:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 645.76 Mbit/s
95th percentile per-packet one-way delay: 143.343 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 645.76 Mbit/s
95th percentile per-packet one-way delay: 143.343 ms
Loss rate: 0.85%
```
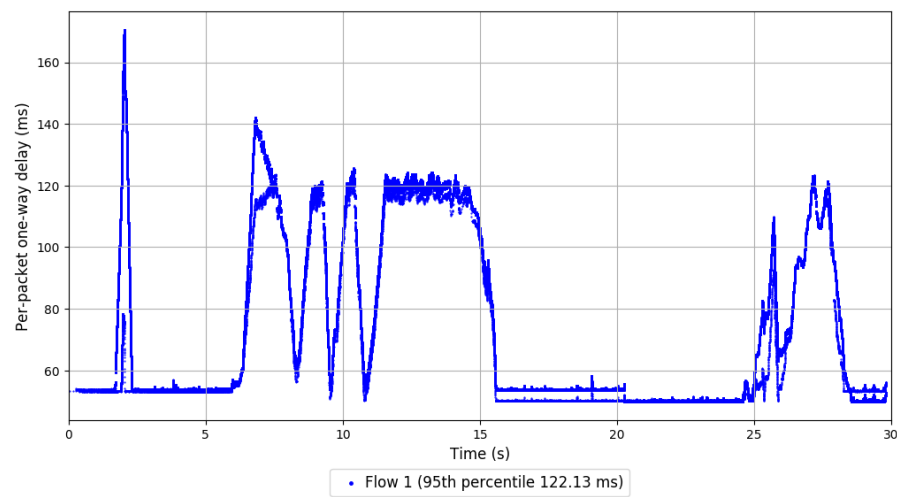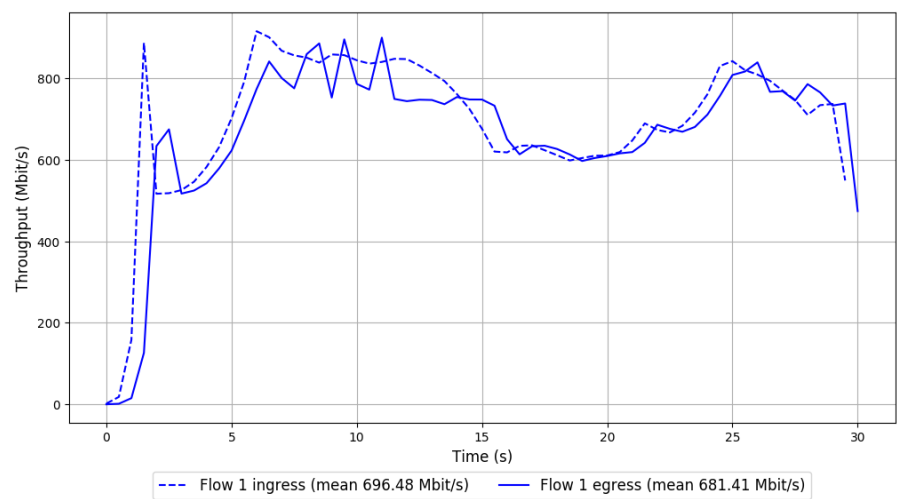
Run 2: Report of PCC-Allegro — Data Link

```
Run 3: Statistics of PCC-Allegro

Start at: 2018-08-03 19:16:43
End at: 2018-08-03 19:17:13
Local clock offset: 0.013 ms
Remote clock offset: -0.147 ms


# Below is generated by plot.py at 2018-08-03 23:39:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 740.24 Mbit/s
95th percentile per-packet one-way delay: 150.591 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 740.24 Mbit/s
95th percentile per-packet one-way delay: 150.591 ms
Loss rate: 2.69%
```

Run 3: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 758.02 Mbit/s) --- Flow 1 egress (mean 740.24 Mbit/s)

• Flow 1 (95th percentile 150.59 ms)

```
Run 4: Statistics of PCC-Allegro

Start at: 2018-08-03 19:39:01
End at: 2018-08-03 19:39:31
Local clock offset: 0.066 ms
Remote clock offset: -0.371 ms


# Below is generated by plot.py at 2018-08-03 23:39:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 687.75 Mbit/s
95th percentile per-packet one-way delay: 123.612 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 687.75 Mbit/s
95th percentile per-packet one-way delay: 123.612 ms
Loss rate: 1.74%
```
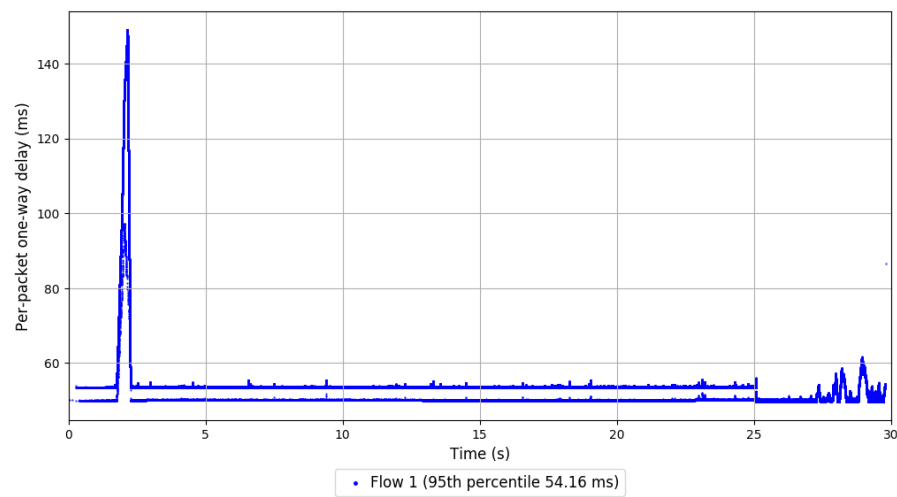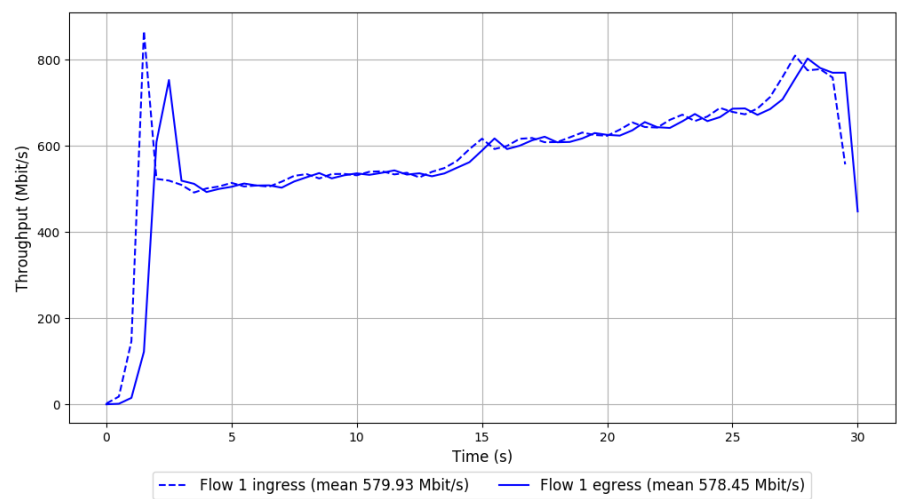
Run 4: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 697.49 Mbit/s)   Flow 1 egress (mean 687.75 Mbit/s)

• Flow 1 (95th percentile 123.61 ms)

```
Run 5: Statistics of PCC-Allegro

Start at: 2018-08-03 20:01:11
End at: 2018-08-03 20:01:41
Local clock offset: -0.079 ms
Remote clock offset: -0.196 ms


# Below is generated by plot.py at 2018-08-03 23:41:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 681.41 Mbit/s
95th percentile per-packet one-way delay: 122.132 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 681.41 Mbit/s
95th percentile per-packet one-way delay: 122.132 ms
Loss rate: 2.51%
```
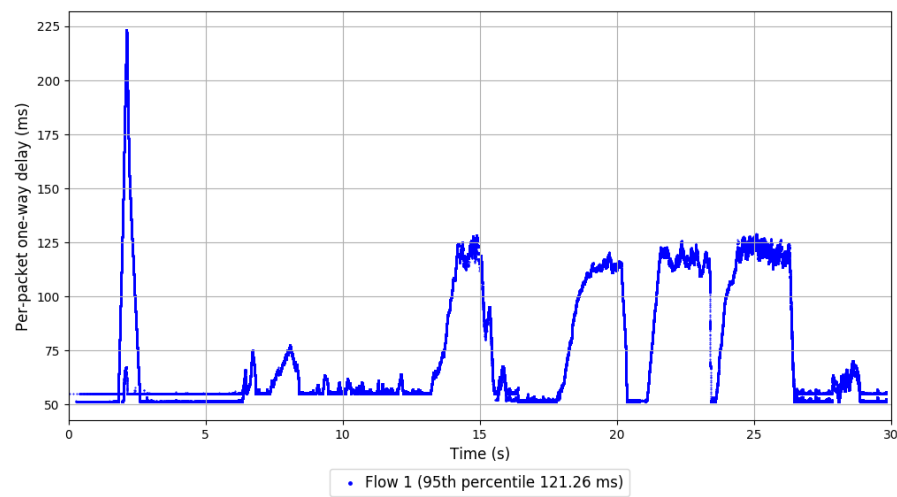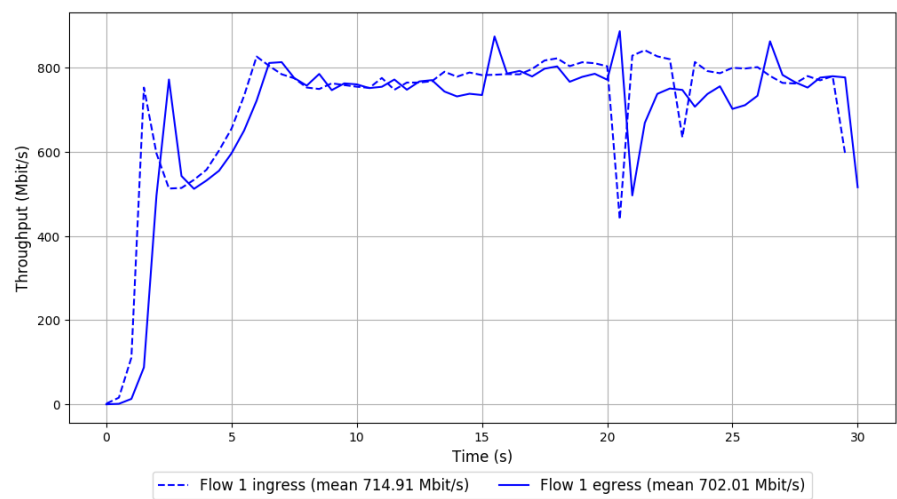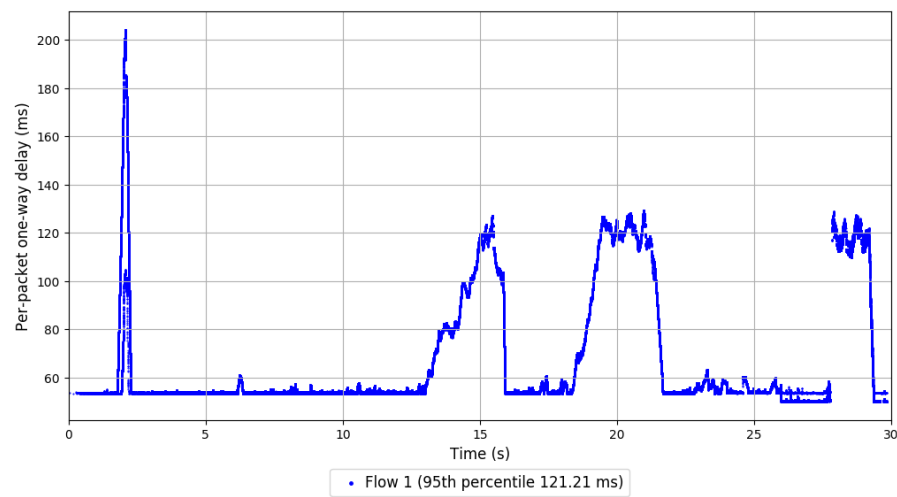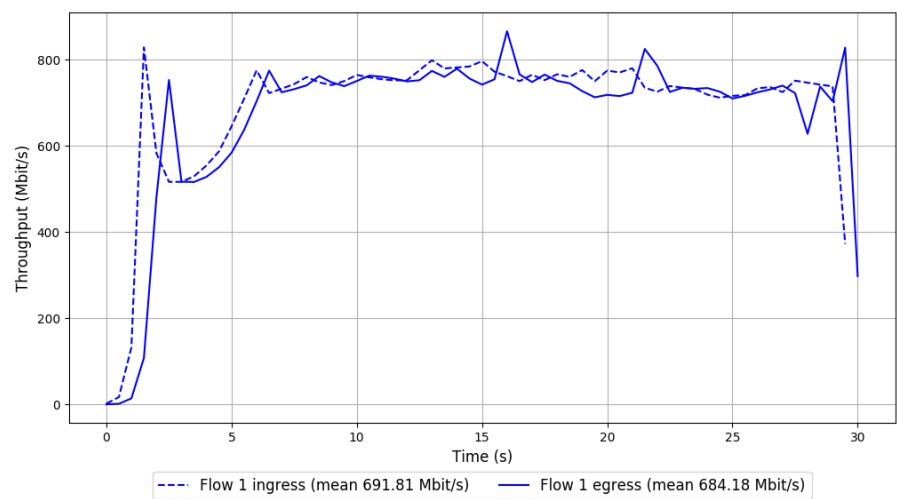
Run 5: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 696.48 Mbit/s) —— Flow 1 egress (mean 681.41 Mbit/s)

• Flow 1 (95th percentile 122.13 ms)

```
Run 6: Statistics of PCC-Allegro

Start at: 2018-08-03 20:23:26
End at: 2018-08-03 20:23:57
Local clock offset: -0.046 ms
Remote clock offset: 0.056 ms


# Below is generated by plot.py at 2018-08-03 23:41:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 578.45 Mbit/s
95th percentile per-packet one-way delay: 54.156 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 578.45 Mbit/s
95th percentile per-packet one-way delay: 54.156 ms
Loss rate: 0.54%
```

Run 6: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 579.93 Mbit/s) — Flow 1 egress (mean 578.45 Mbit/s)

Flow 1 (95th percentile 54.16 ms)

```
Run 7: Statistics of PCC-Allegro

Start at: 2018-08-03 20:45:55
End at: 2018-08-03 20:46:25
Local clock offset: 0.273 ms
Remote clock offset: -1.391 ms


# Below is generated by plot.py at 2018-08-03 23:43:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 702.01 Mbit/s
95th percentile per-packet one-way delay: 121.261 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 702.01 Mbit/s
95th percentile per-packet one-way delay: 121.261 ms
Loss rate: 2.15%
```
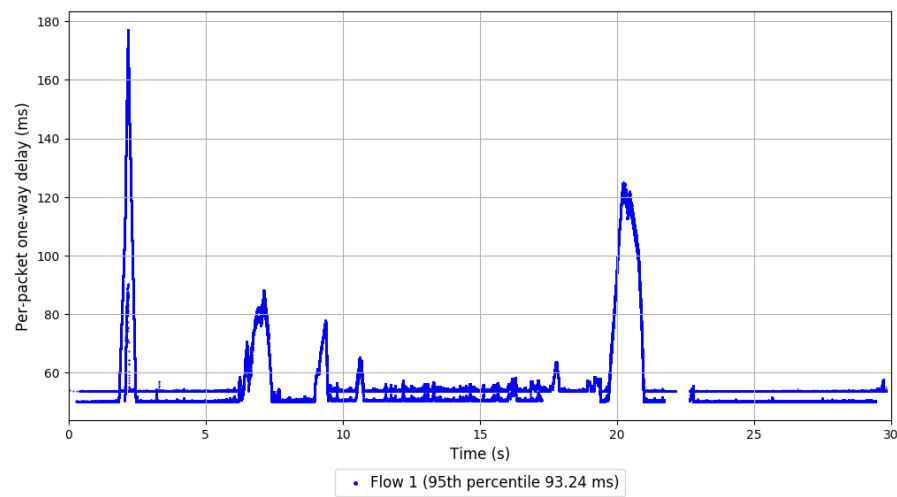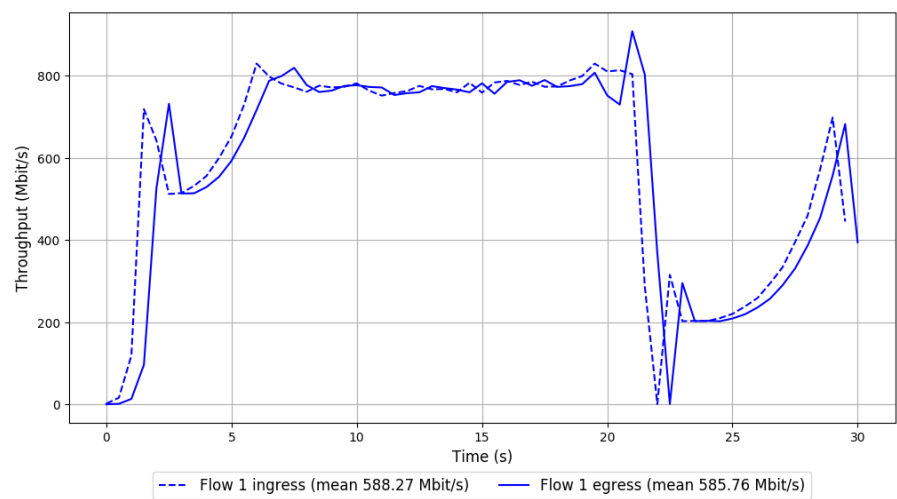
Run 7: Report of PCC-Allegro — Data Link

```
Run 8: Statistics of PCC-Allegro

Start at: 2018-08-03 21:08:25
End at: 2018-08-03 21:08:56
Local clock offset: 0.133 ms
Remote clock offset: -0.012 ms


# Below is generated by plot.py at 2018-08-03 23:43:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 684.18 Mbit/s
95th percentile per-packet one-way delay: 121.209 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 684.18 Mbit/s
95th percentile per-packet one-way delay: 121.209 ms
Loss rate: 1.45%
```
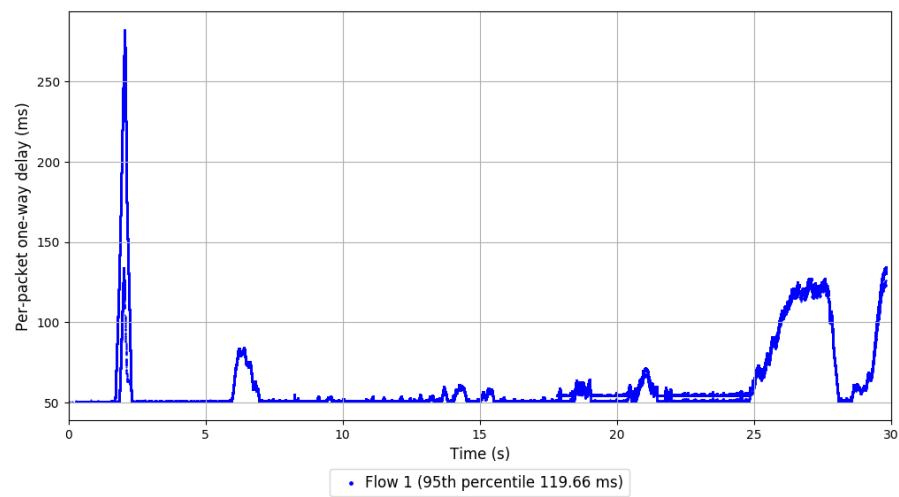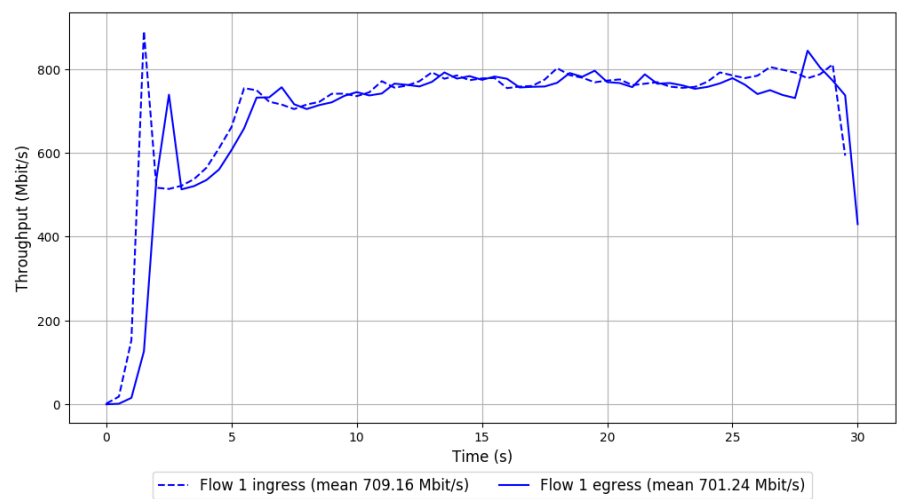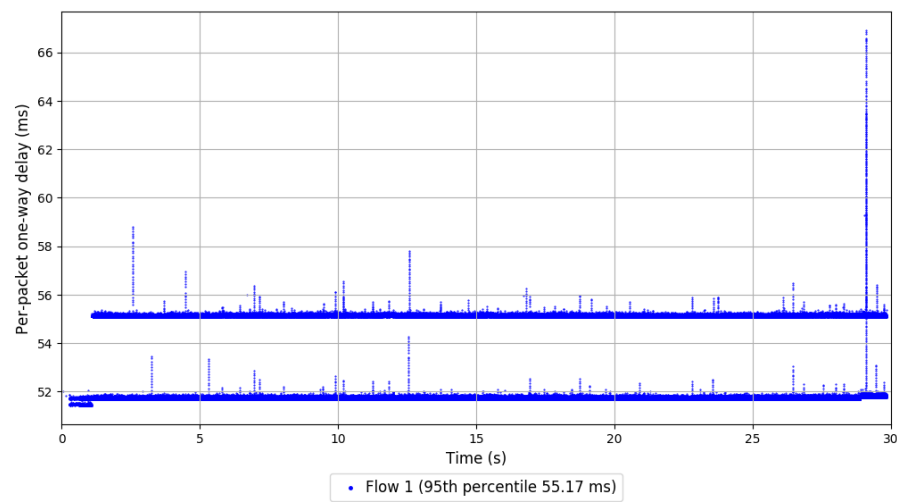
Run 8: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 691.81 Mbit/s) --- Flow 1 egress (mean 684.18 Mbit/s)

• Flow 1 (95th percentile 121.21 ms)

```
Run 9: Statistics of PCC-Allegro

Start at: 2018-08-03 21:30:42
End at: 2018-08-03 21:31:12
Local clock offset: 0.125 ms
Remote clock offset: -0.105 ms


# Below is generated by plot.py at 2018-08-03 23:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 585.76 Mbit/s
95th percentile per-packet one-way delay: 93.236 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 585.76 Mbit/s
95th percentile per-packet one-way delay: 93.236 ms
Loss rate: 0.77%
```
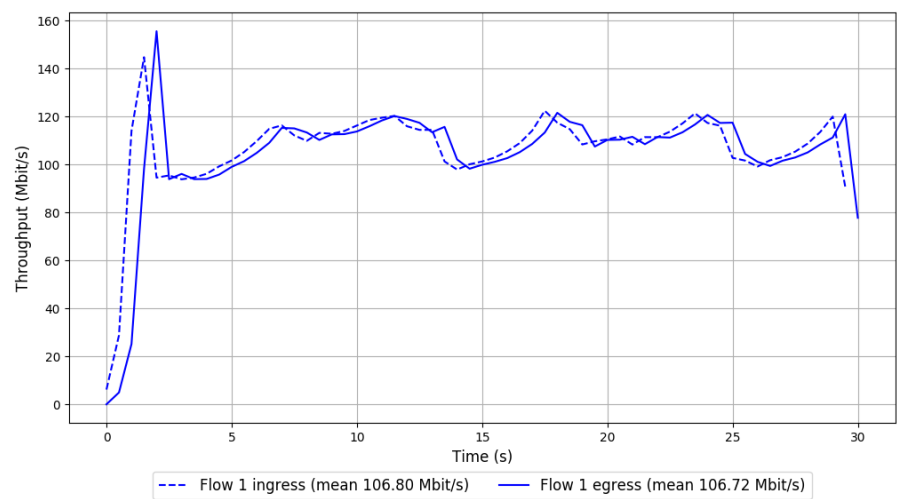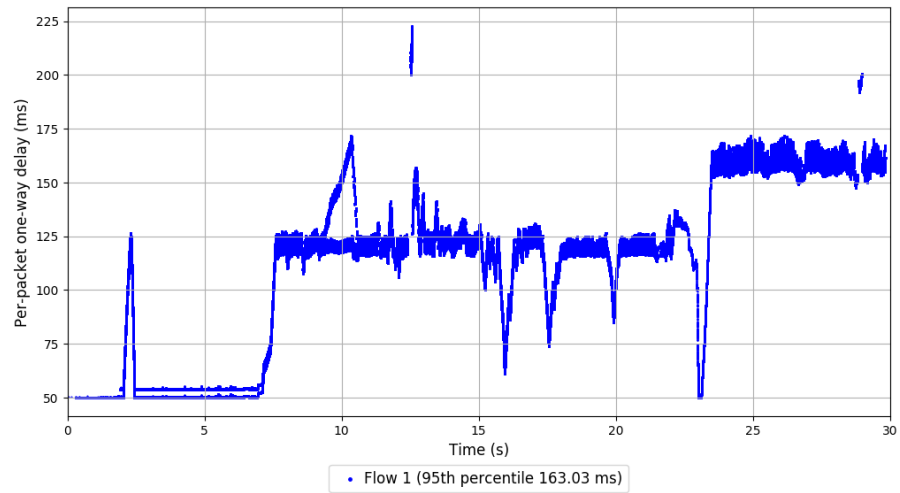
Run 9: Report of PCC-Allegro — Data Link

```
Run 10: Statistics of PCC-Allegro

Start at: 2018-08-03 21:52:34
End at: 2018-08-03 21:53:04
Local clock offset: 0.24 ms
Remote clock offset: -0.445 ms


# Below is generated by plot.py at 2018-08-03 23:50:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 701.24 Mbit/s
95th percentile per-packet one-way delay: 119.661 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 701.24 Mbit/s
95th percentile per-packet one-way delay: 119.661 ms
Loss rate: 1.45%
```
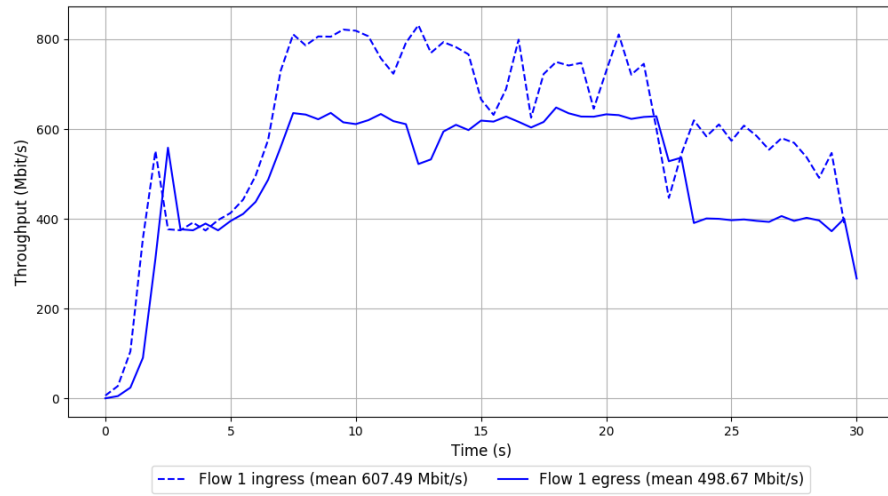
Run 10: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 709.16 Mbit/s) —— Flow 1 egress (mean 701.24 Mbit/s)

• Flow 1 (95th percentile 119.66 ms)

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```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-03 18:40:00
End at: 2018-08-03 18:40:30
Local clock offset: -0.014 ms
Remote clock offset: -1.56 ms


# Below is generated by plot.py at 2018-08-03 23:50:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.72 Mbit/s
95th percentile per-packet one-way delay: 55.168 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 106.72 Mbit/s
95th percentile per-packet one-way delay: 55.168 ms
Loss rate: 0.41%
```
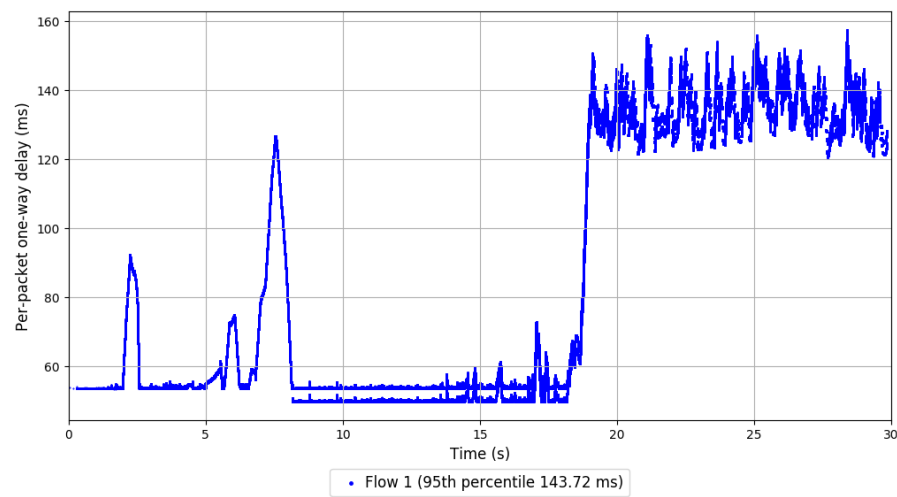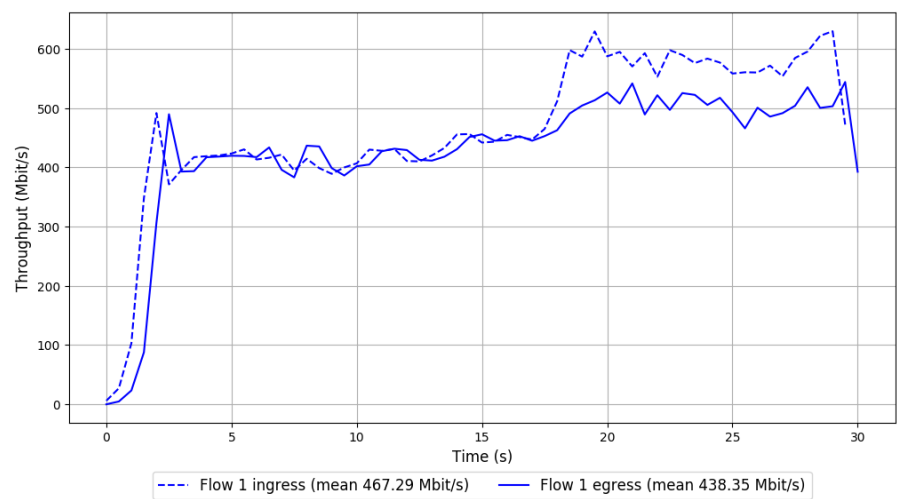
Run 1: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 106.80 Mbit/s) --- Flow 1 egress (mean 106.72 Mbit/s)
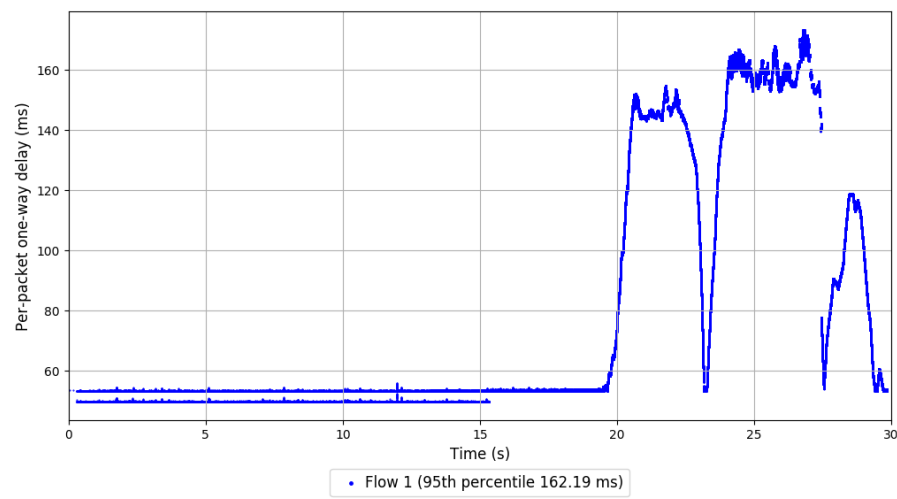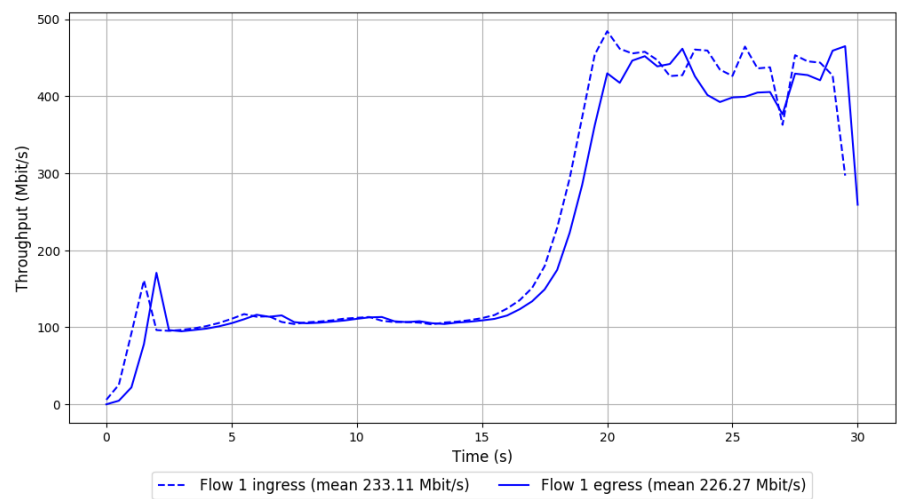

Flow 1 (95th percentile 55.17 ms)

```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-03 19:02:20
End at: 2018-08-03 19:02:50
Local clock offset: 0.028 ms
Remote clock offset: -0.197 ms


# Below is generated by plot.py at 2018-08-03 23:56:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 498.67 Mbit/s
95th percentile per-packet one-way delay: 163.025 ms
Loss rate: 18.19%
-- Flow 1:
Average throughput: 498.67 Mbit/s
95th percentile per-packet one-way delay: 163.025 ms
Loss rate: 18.19%
```

Run 2: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 607.49 Mbit/s)   Flow 1 egress (mean 498.67 Mbit/s)

• Flow 1 (95th percentile 163.03 ms)

```
Run 3: Statistics of PCC-Expr

Start at: 2018-08-03 19:24:53
End at: 2018-08-03 19:25:23
Local clock offset: 0.025 ms
Remote clock offset: 0.057 ms


# Below is generated by plot.py at 2018-08-03 23:56:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 438.35 Mbit/s
95th percentile per-packet one-way delay: 143.722 ms
Loss rate: 6.53%
-- Flow 1:
Average throughput: 438.35 Mbit/s
95th percentile per-packet one-way delay: 143.722 ms
Loss rate: 6.53%
```
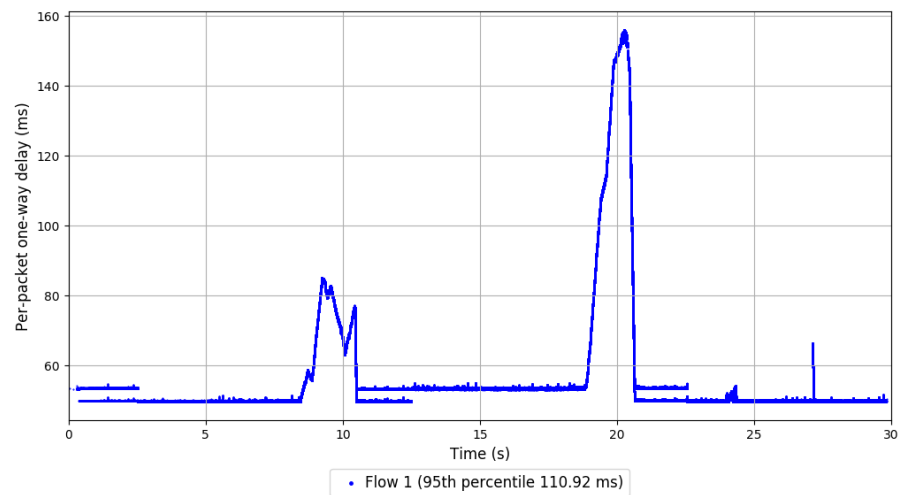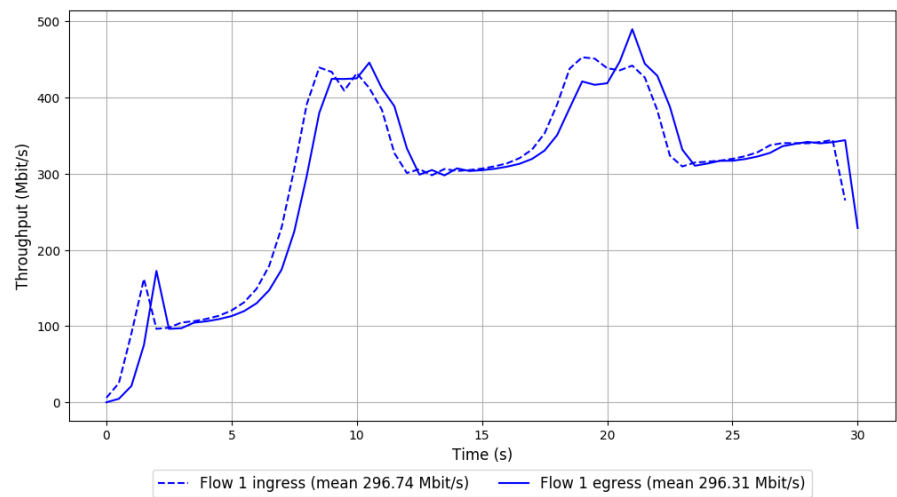
Run 3: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 467.29 Mbit/s) —— Flow 1 egress (mean 438.35 Mbit/s)
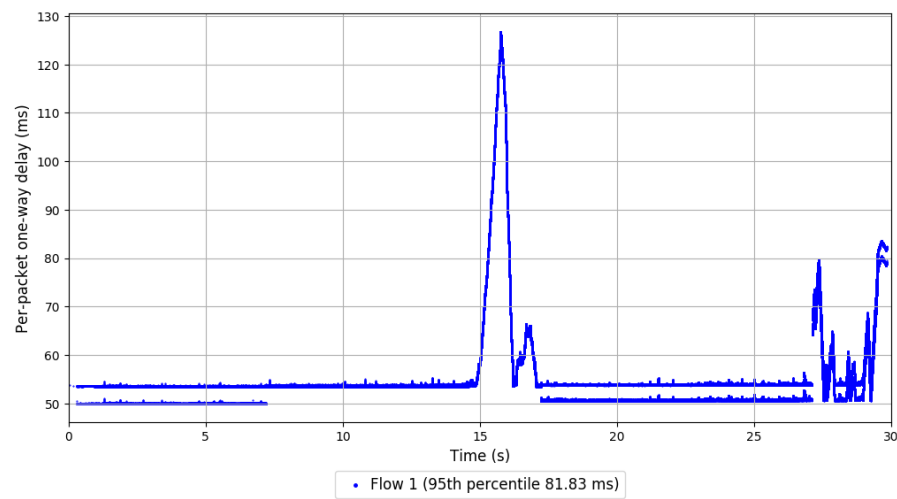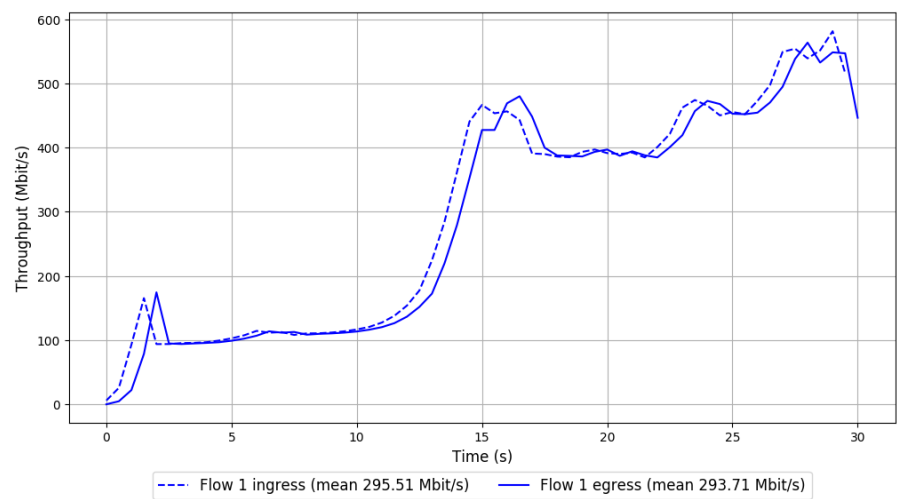

• Flow 1 (95th percentile 143.72 ms)

```
Run 4: Statistics of PCC-Expr

Start at: 2018-08-03 19:47:16
End at: 2018-08-03 19:47:46
Local clock offset: 0.008 ms
Remote clock offset: -0.081 ms


# Below is generated by plot.py at 2018-08-03 23:56:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.27 Mbit/s
95th percentile per-packet one-way delay: 162.189 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 226.27 Mbit/s
95th percentile per-packet one-way delay: 162.189 ms
Loss rate: 3.27%
```

Run 4: Report of PCC-Expr — Data Link

```
Run 5: Statistics of PCC-Expr

Start at: 2018-08-03 20:09:29
End at: 2018-08-03 20:09:59
Local clock offset: -0.207 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-08-03 23:56:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 296.31 Mbit/s
95th percentile per-packet one-way delay: 110.923 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 296.31 Mbit/s
95th percentile per-packet one-way delay: 110.923 ms
Loss rate: 0.49%
```
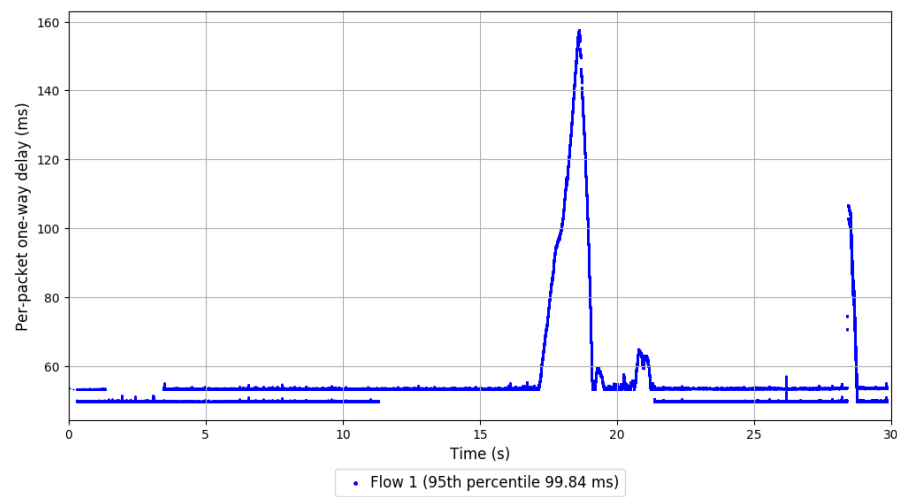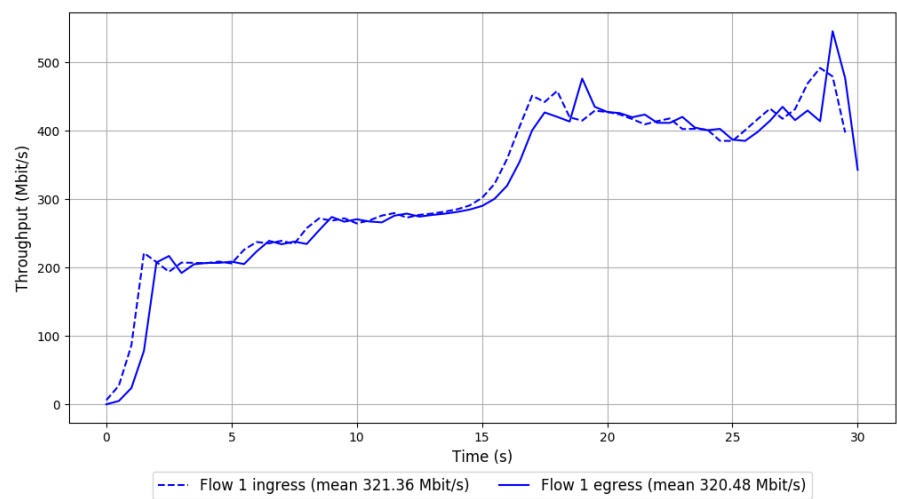
Run 5: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 296.74 Mbit/s)   Flow 1 egress (mean 296.31 Mbit/s)
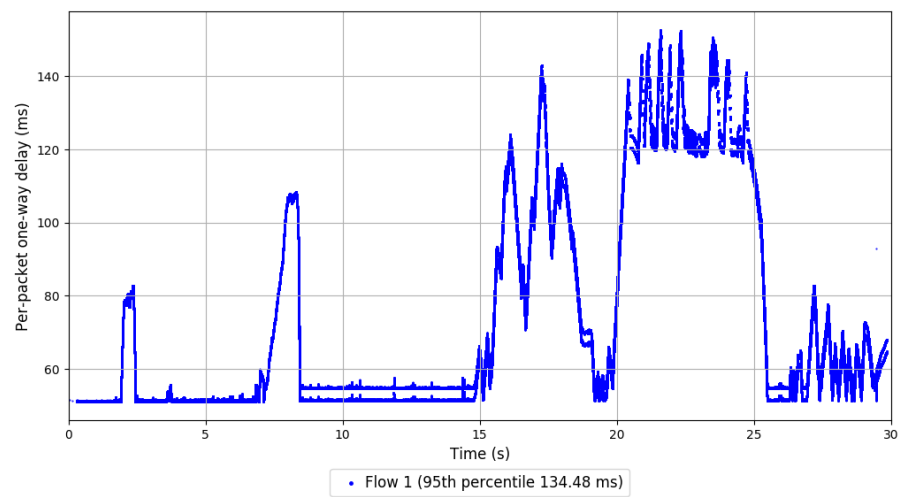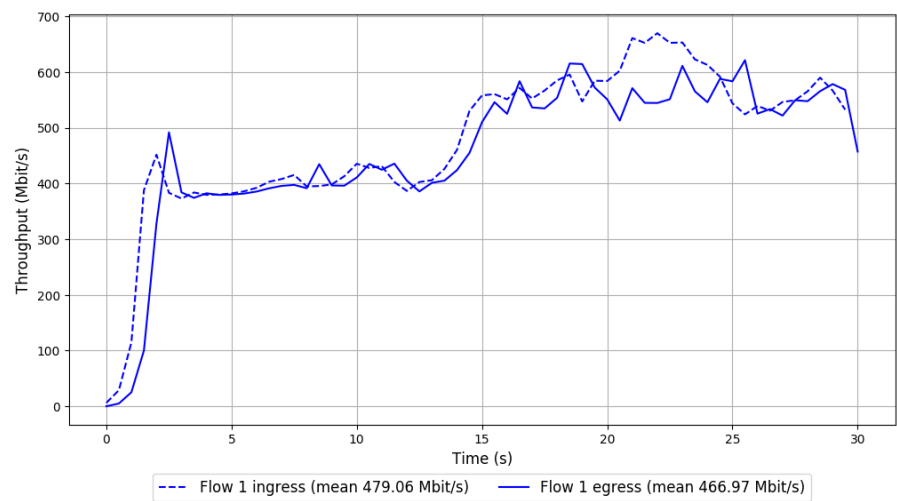

Flow 1 (95th percentile 110.92 ms)

```
Run 6: Statistics of PCC-Expr

Start at: 2018-08-03 20:31:34
End at: 2018-08-03 20:32:04
Local clock offset: -0.137 ms
Remote clock offset: -0.351 ms


# Below is generated by plot.py at 2018-08-03 23:56:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 293.71 Mbit/s
95th percentile per-packet one-way delay: 81.827 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 293.71 Mbit/s
95th percentile per-packet one-way delay: 81.827 ms
Loss rate: 0.96%
```

Run 6: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 295.51 Mbit/s) --- Flow 1 egress (mean 293.71 Mbit/s)

Flow 1 (95th percentile 81.83 ms)

```
Run 7: Statistics of PCC-Expr

Start at: 2018-08-03 20:54:08
End at: 2018-08-03 20:54:38
Local clock offset: -0.21 ms
Remote clock offset: -0.16 ms


# Below is generated by plot.py at 2018-08-03 23:56:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.48 Mbit/s
95th percentile per-packet one-way delay: 99.842 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 320.48 Mbit/s
95th percentile per-packet one-way delay: 99.842 ms
Loss rate: 0.62%
```
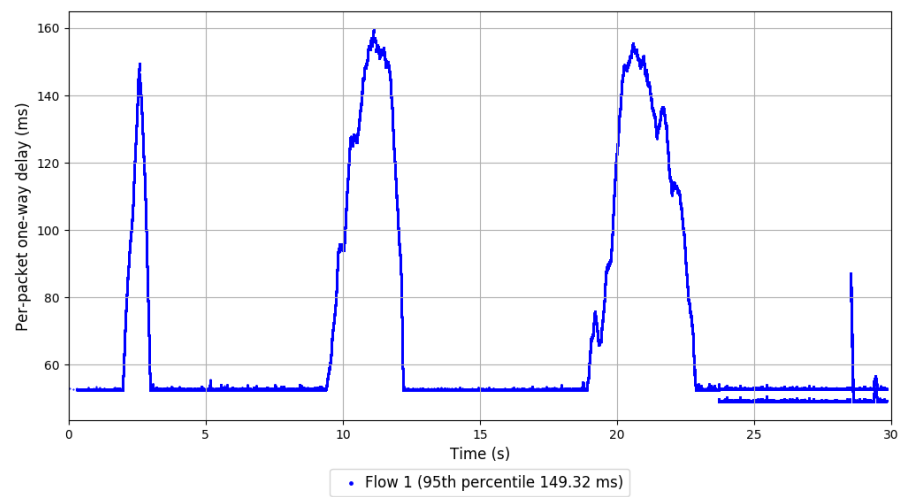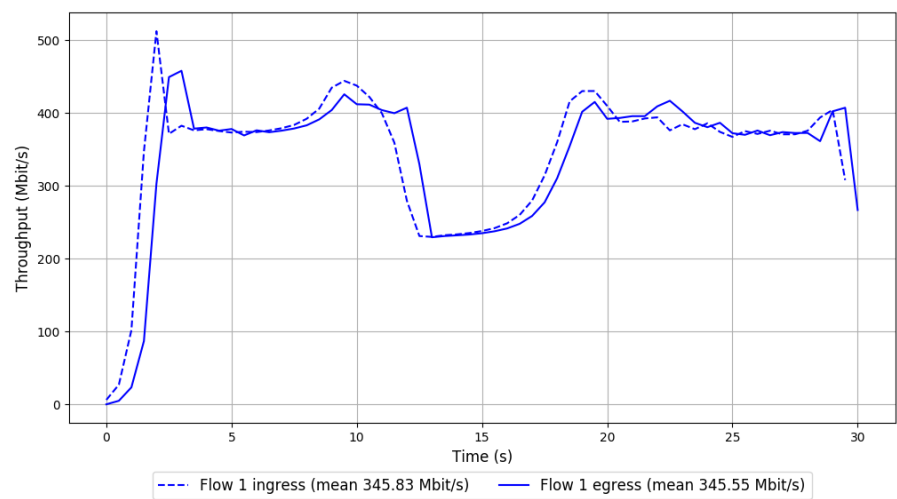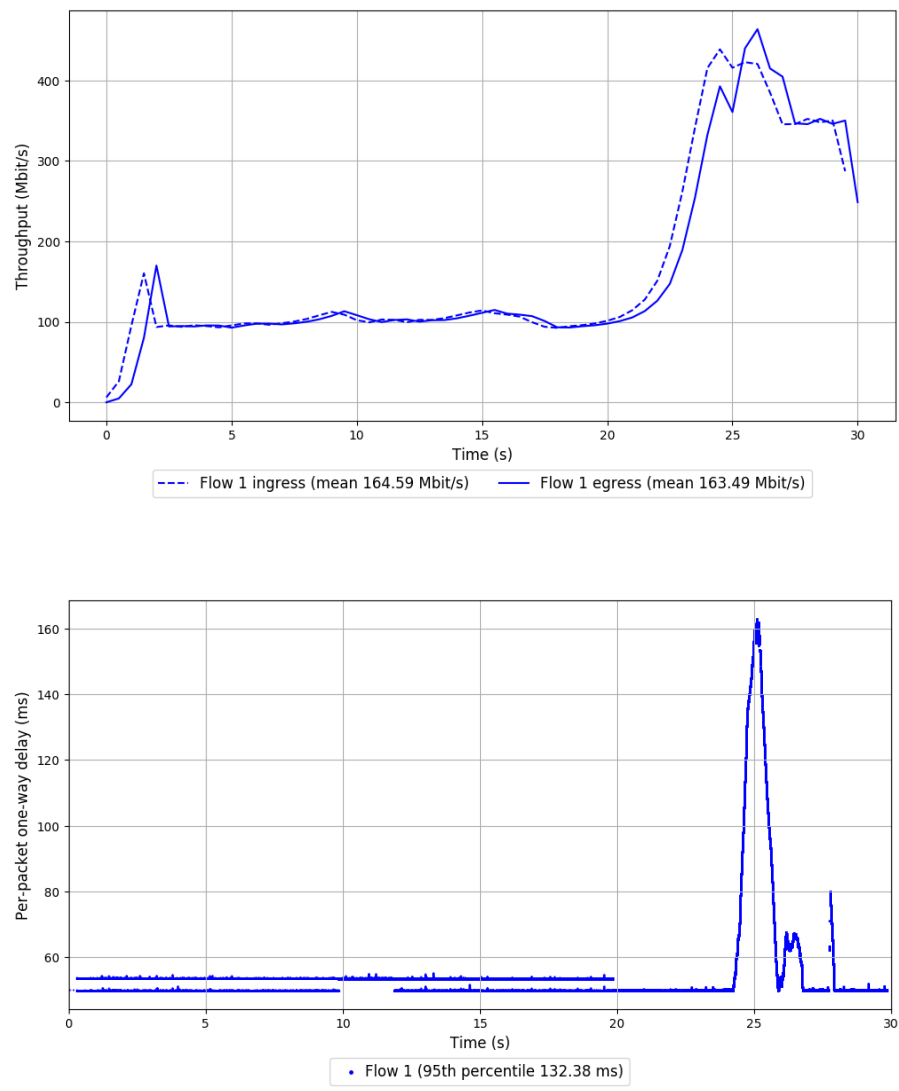
Run 7: Report of PCC-Expr — Data Link

```
Run 8: Statistics of PCC-Expr

Start at: 2018-08-03 21:16:43
End at: 2018-08-03 21:17:13
Local clock offset: -0.067 ms
Remote clock offset: -1.389 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 466.97 Mbit/s
95th percentile per-packet one-way delay: 134.481 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 466.97 Mbit/s
95th percentile per-packet one-way delay: 134.481 ms
Loss rate: 2.85%
```

Run 8: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 479.06 Mbit/s) — — — Flow 1 egress (mean 466.97 Mbit/s)

• Flow 1 (95th percentile 134.48 ms)

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```
Run 9: Statistics of PCC-Expr

Start at: 2018-08-03 21:38:48
End at: 2018-08-03 21:39:18
Local clock offset: -0.032 ms
Remote clock offset: 0.924 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.55 Mbit/s
95th percentile per-packet one-way delay: 149.324 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 345.55 Mbit/s
95th percentile per-packet one-way delay: 149.324 ms
Loss rate: 0.43%
```
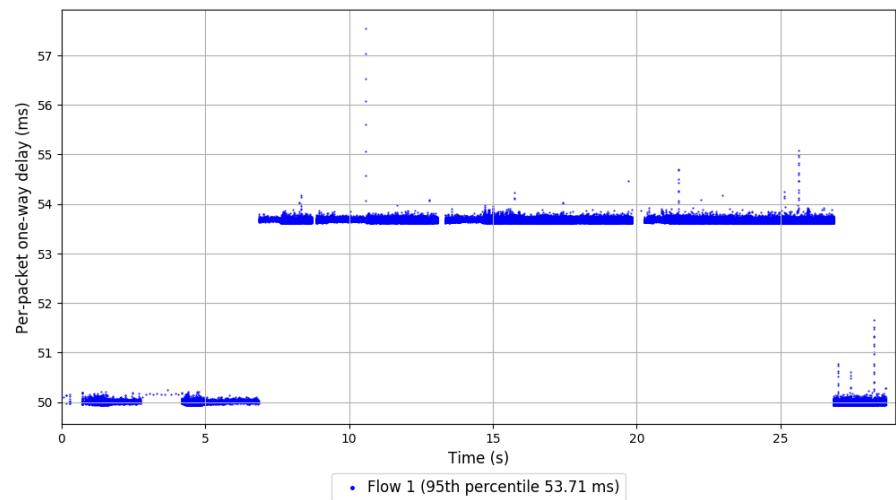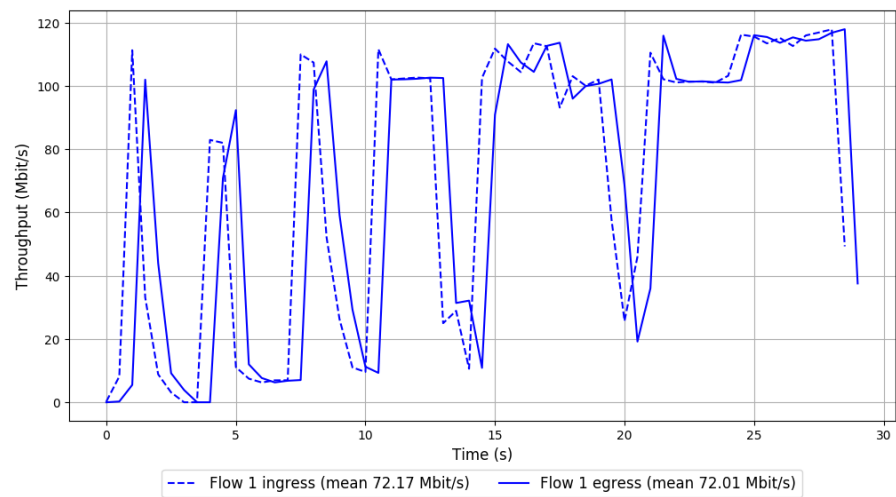
Run 9: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 345.83 Mbit/s) — — — Flow 1 egress (mean 345.55 Mbit/s)

• Flow 1 (95th percentile 149.32 ms)

```
Run 10: Statistics of PCC-Expr

Start at: 2018-08-03 22:00:50
End at: 2018-08-03 22:01:20
Local clock offset: -0.139 ms
Remote clock offset: -0.221 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.49 Mbit/s
95th percentile per-packet one-way delay: 132.379 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 163.49 Mbit/s
95th percentile per-packet one-way delay: 132.379 ms
Loss rate: 1.01%
```

Run 10: Report of PCC-Expr — Data Link

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```
Run 1: Statistics of QUIC Cubic

Start at: 2018-08-03 18:38:51
End at: 2018-08-03 18:39:21
Local clock offset: 0.206 ms
Remote clock offset: -0.105 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 53.712 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 53.712 ms
Loss rate: 0.57%
```
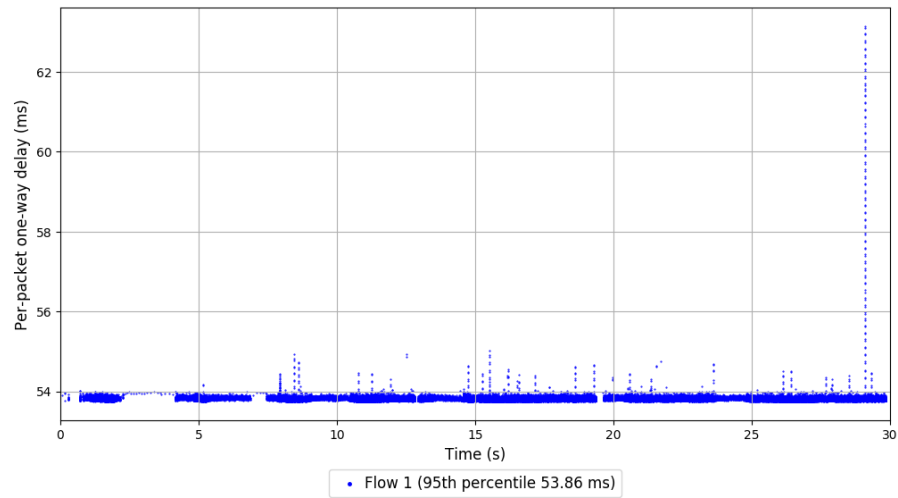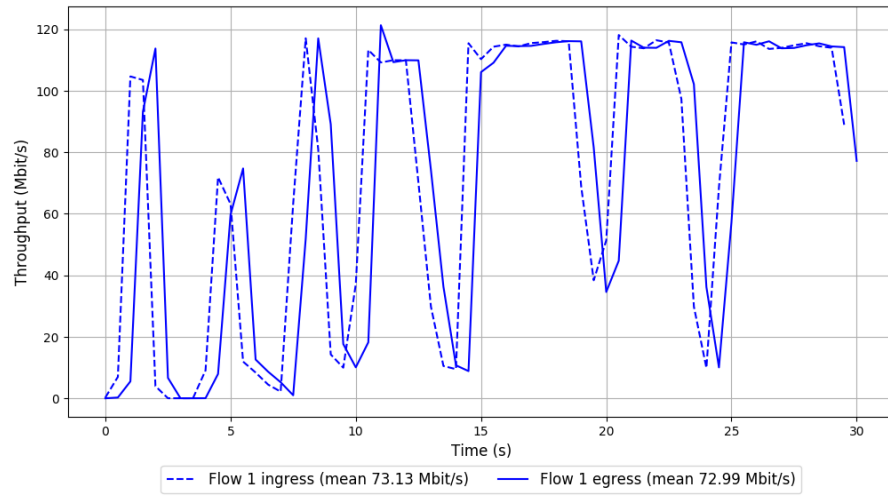
Run 1: Report of QUIC Cubic — Data Link
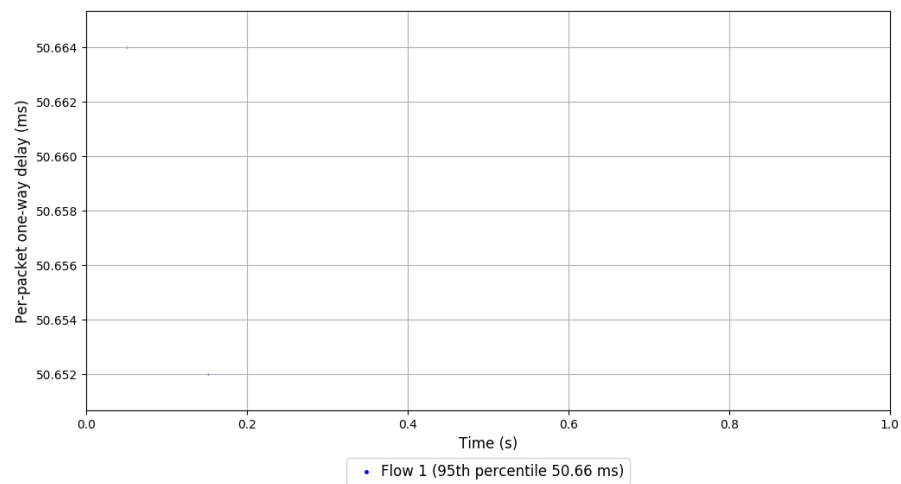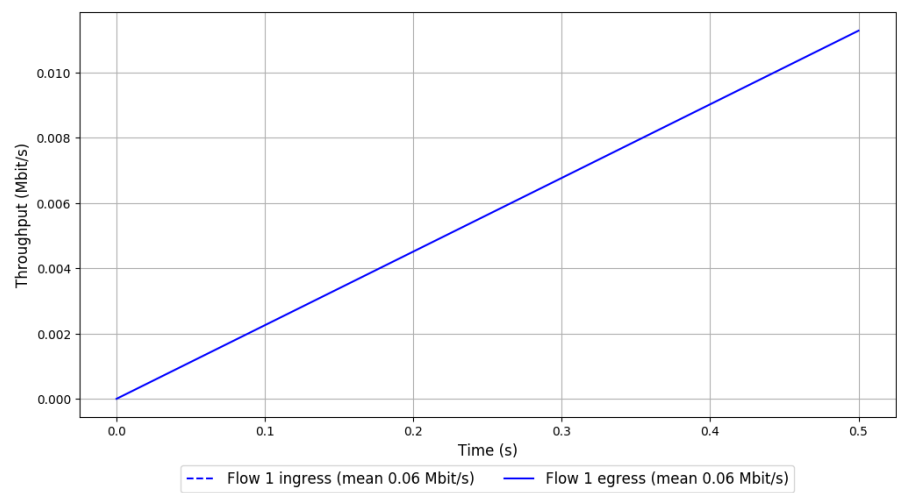
Run 2: Statistics of QUIC Cubic

Start at: 2018-08-03 19:01:14
End at: 2018-08-03 19:01:44
Local clock offset: 0.032 ms
Remote clock offset: 0.166 ms

Run 2: Report of QUIC Cubic — Data Link
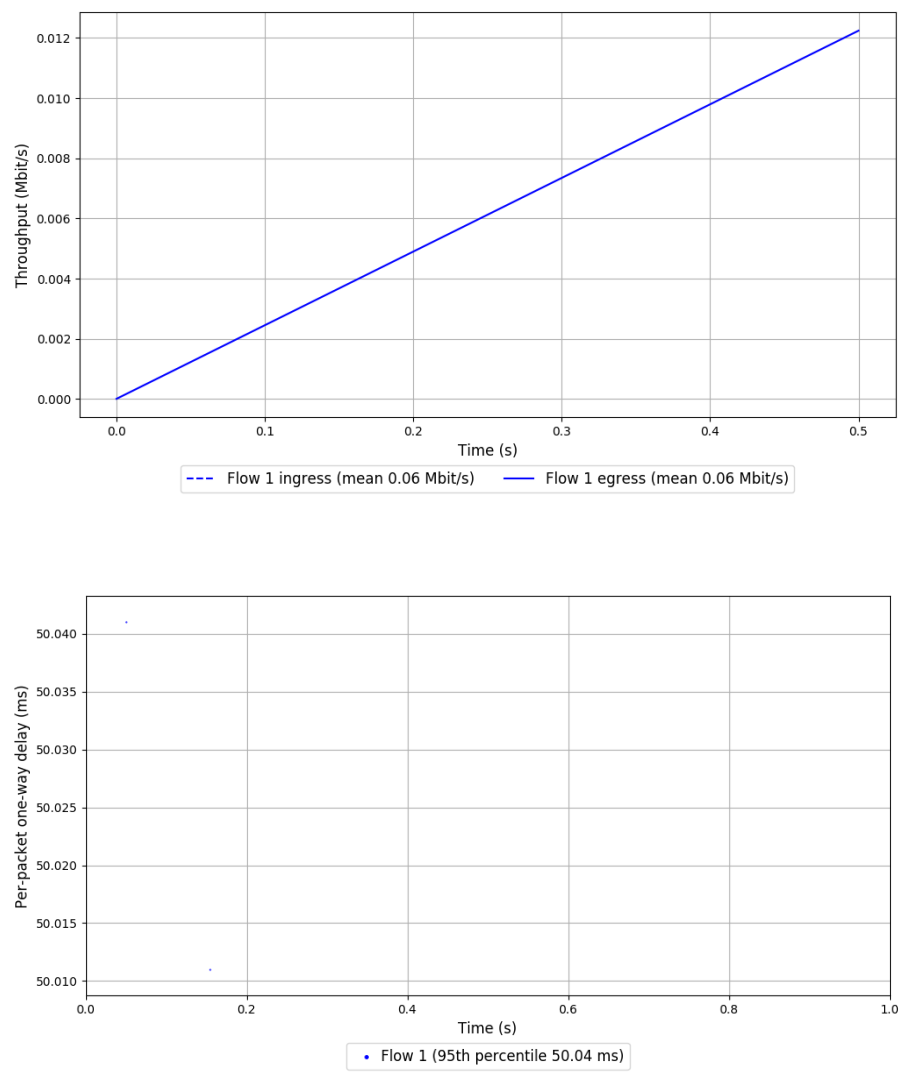
```
Run 3: Statistics of QUIC Cubic

Start at: 2018-08-03 19:23:48
End at: 2018-08-03 19:24:18
Local clock offset: -0.145 ms
Remote clock offset: 0.105 ms
```
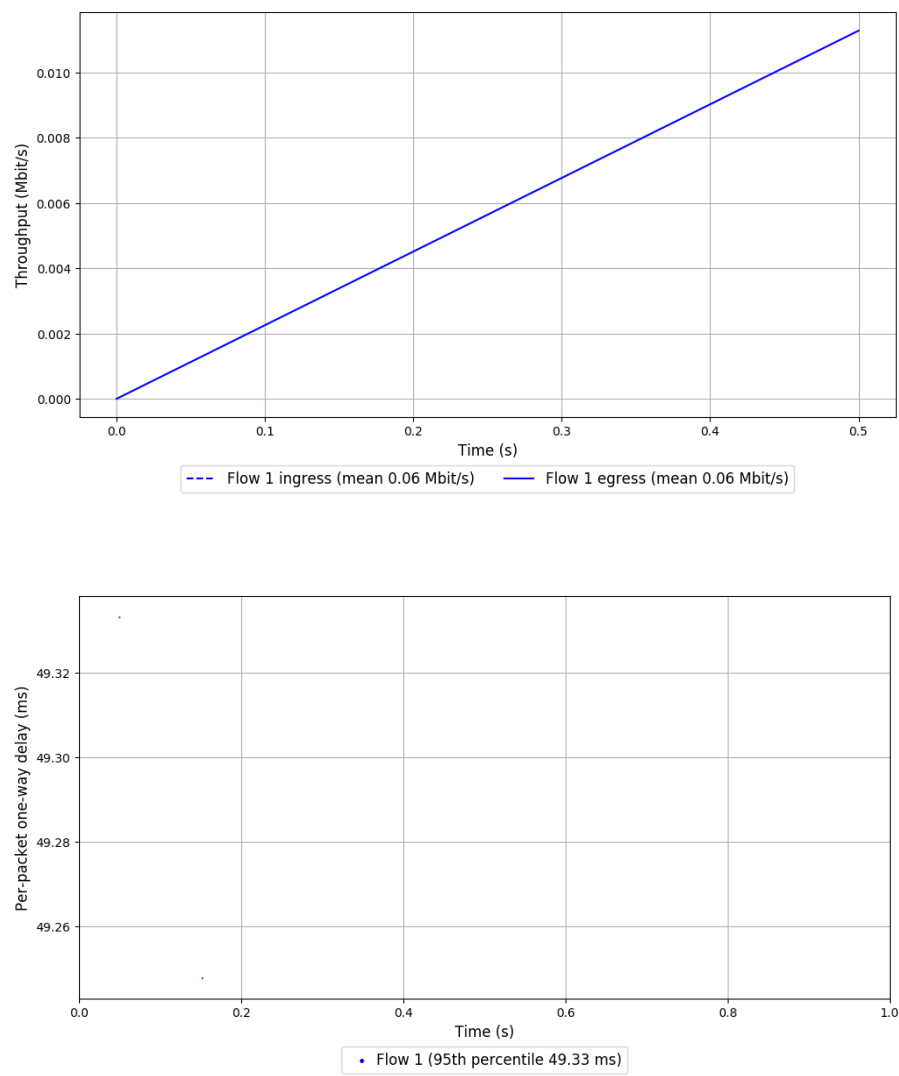
Run 3: Report of QUIC Cubic — Data Link

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

Flow 1 (95th percentile 53.22 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2018-08-03 19:46:07
End at: 2018-08-03 19:46:37
Local clock offset: -0.131 ms
Remote clock offset: -0.524 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 53.862 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 53.862 ms
Loss rate: 0.55%
```
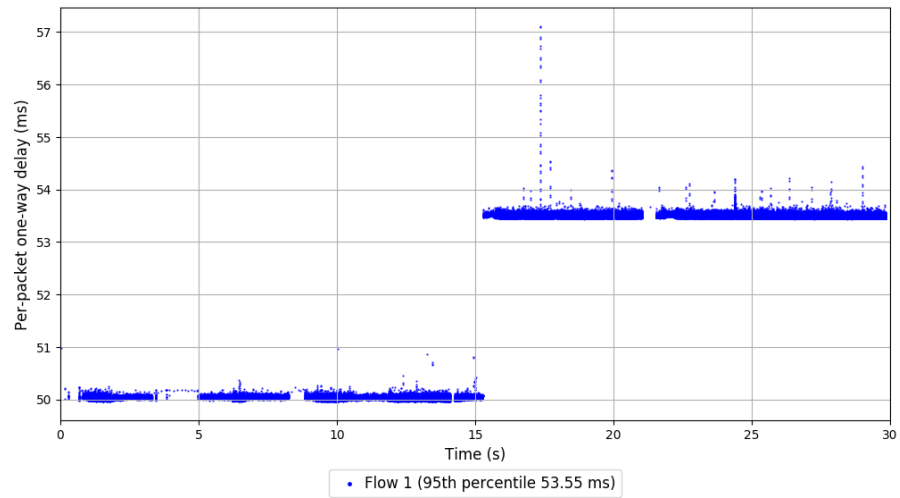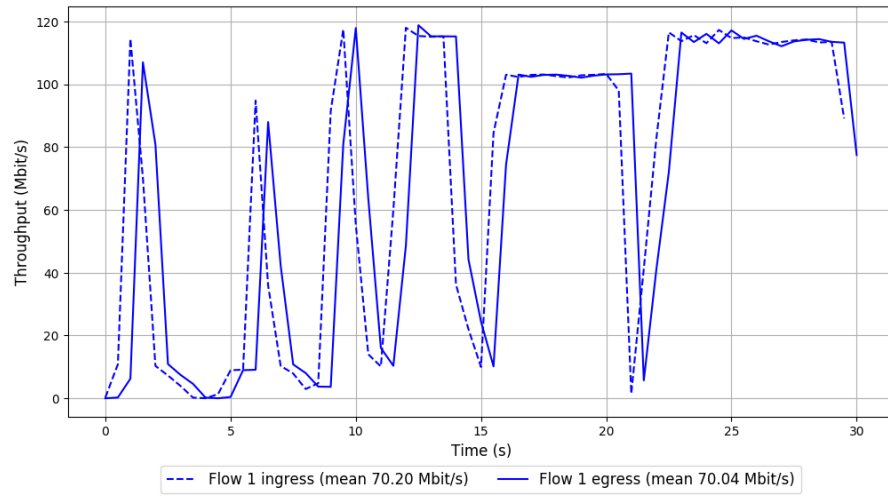
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 73.13 Mbit/s) ------ Flow 1 egress (mean 72.99 Mbit/s)

Flow 1 (95th percentile 53.86 ms)

Run 5: Statistics of QUIC Cubic

Start at: 2018-08-03 20:08:24
End at: 2018-08-03 20:08:54
Local clock offset: -0.1 ms
Remote clock offset: -0.307 ms

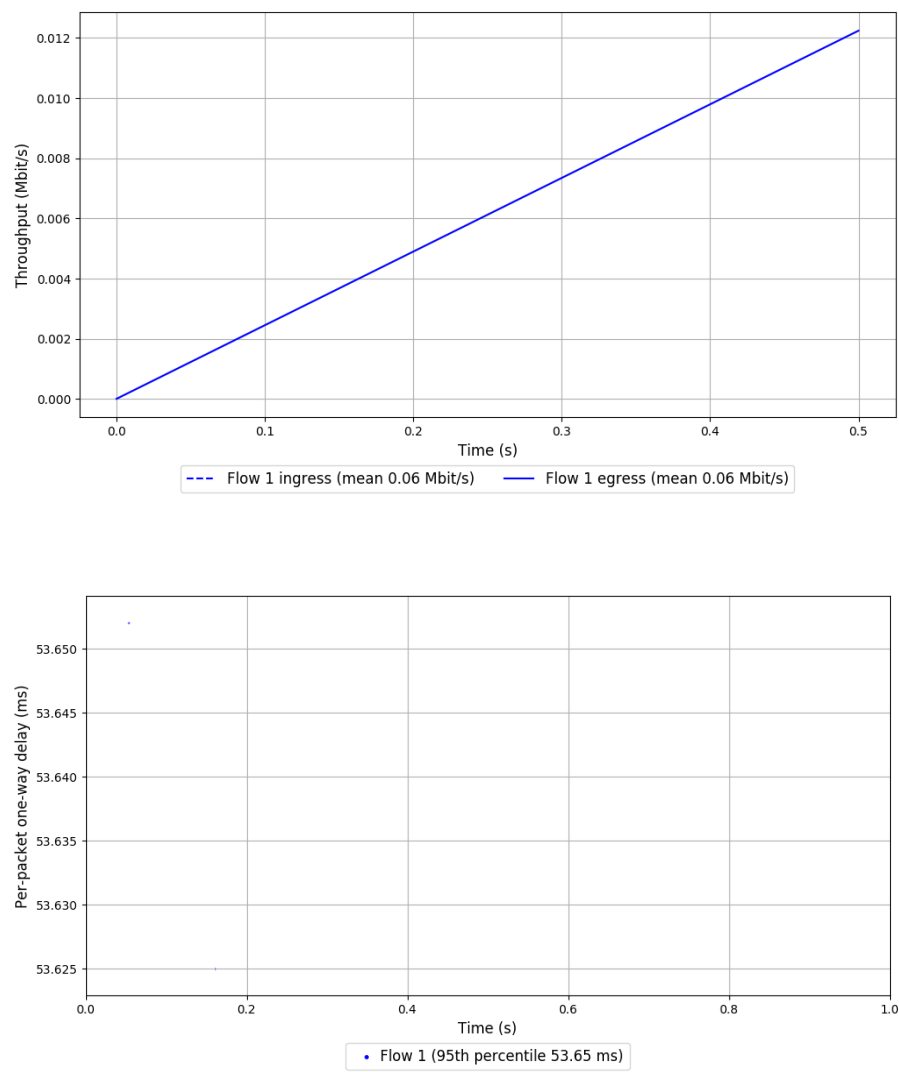## Run 5: Report of QUIC Cubic — Data Link

Run 6: Statistics of QUIC Cubic

Start at: 2018-08-03 20:30:29
End at: 2018-08-03 20:30:59
Local clock offset: -0.021 ms
Remote clock offset: -0.195 ms

Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2018-08-03 20:53:03
End at: 2018-08-03 20:53:33
Local clock offset: -0.036 ms
Remote clock offset: 1.123 ms
```
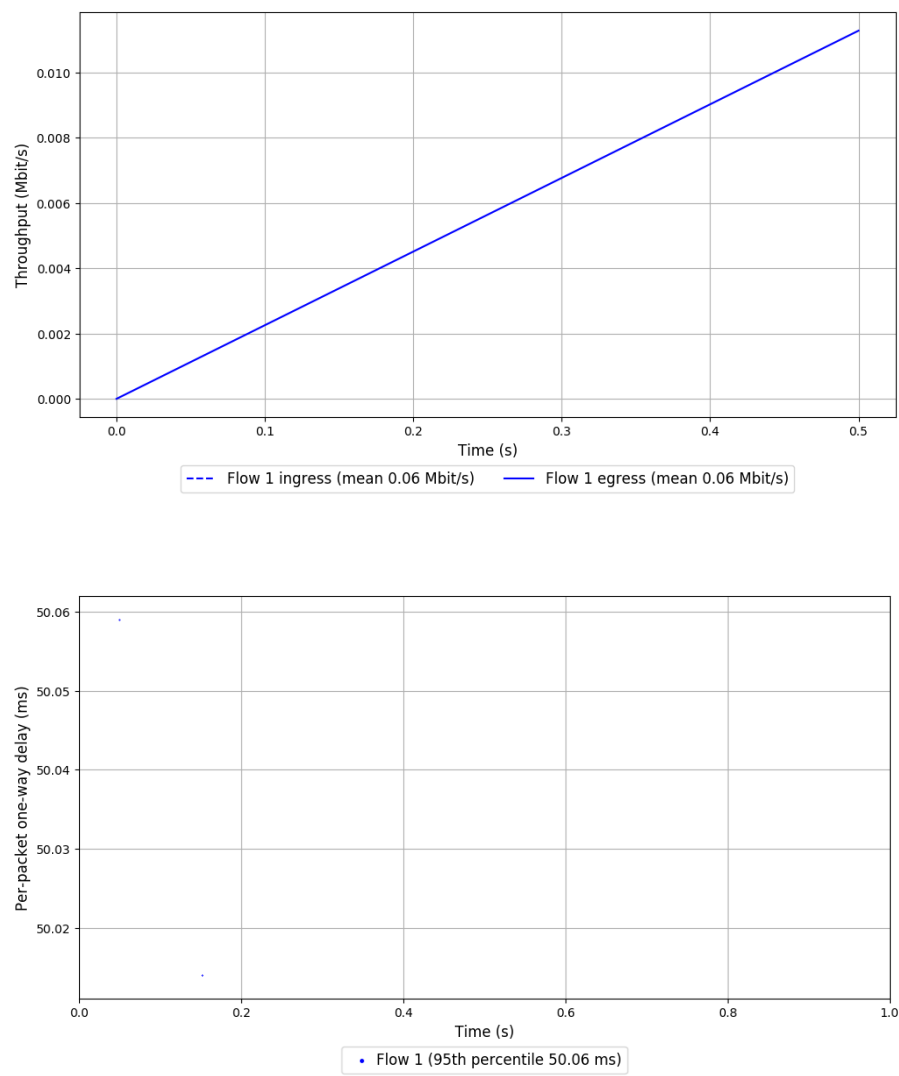
Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: 2018-08-03 21:15:34
End at: 2018-08-03 21:16:04
Local clock offset: -0.002 ms
Remote clock offset: -0.144 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.04 Mbit/s
95th percentile per-packet one-way delay: 53.548 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 70.04 Mbit/s
95th percentile per-packet one-way delay: 53.548 ms
Loss rate: 0.57%
```

Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2018-08-03 21:37:42
End at: 2018-08-03 21:38:13
Local clock offset: 0.052 ms
Remote clock offset: -0.093 ms
```

Run 9: Report of QUIC Cubic — Data Link

Run 10: Statistics of QUIC Cubic

Start at: 2018-08-03 21:59:44
End at: 2018-08-03 22:00:14
Local clock offset: -0.086 ms
Remote clock offset: -0.201 ms
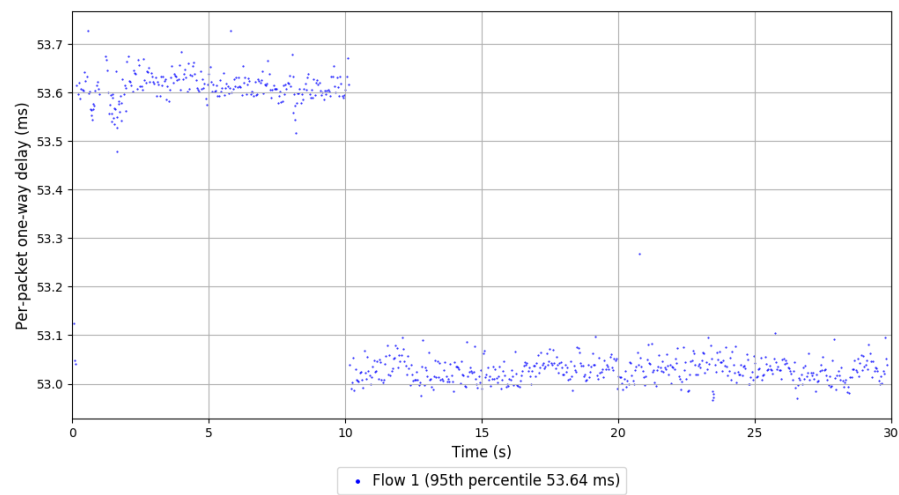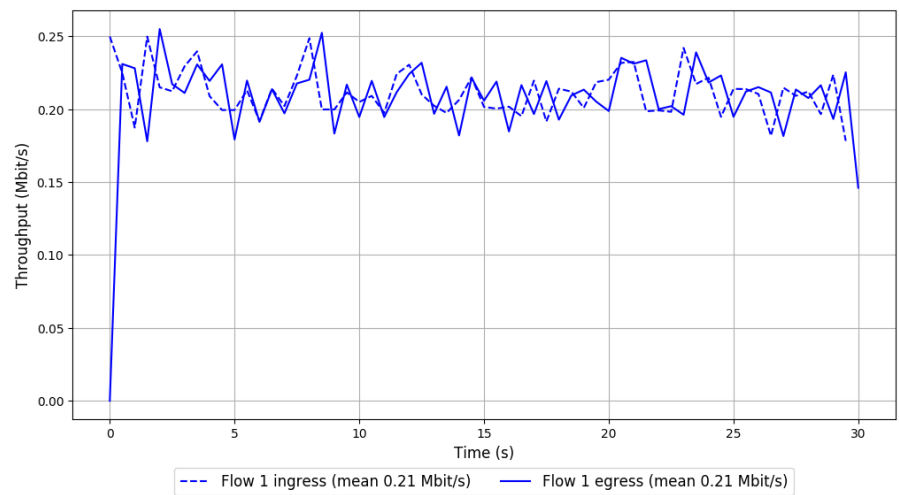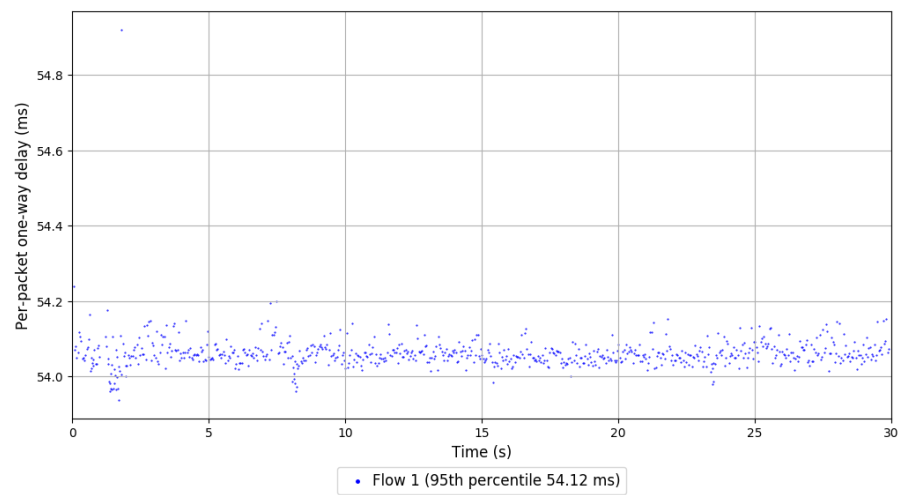
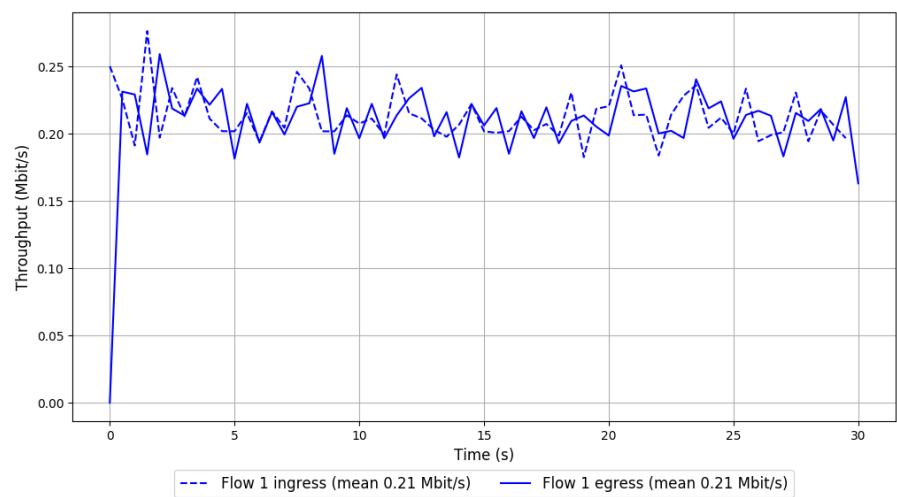## Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2018-08-03 18:47:49
End at: 2018-08-03 18:48:19
Local clock offset: -0.195 ms
Remote clock offset: -0.323 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.638 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.638 ms
Loss rate: 0.38%
```

Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2018-08-03 19:10:31
End at: 2018-08-03 19:11:01
Local clock offset: 0.164 ms
Remote clock offset: -0.433 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.119 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.119 ms
Loss rate: 0.39%
```
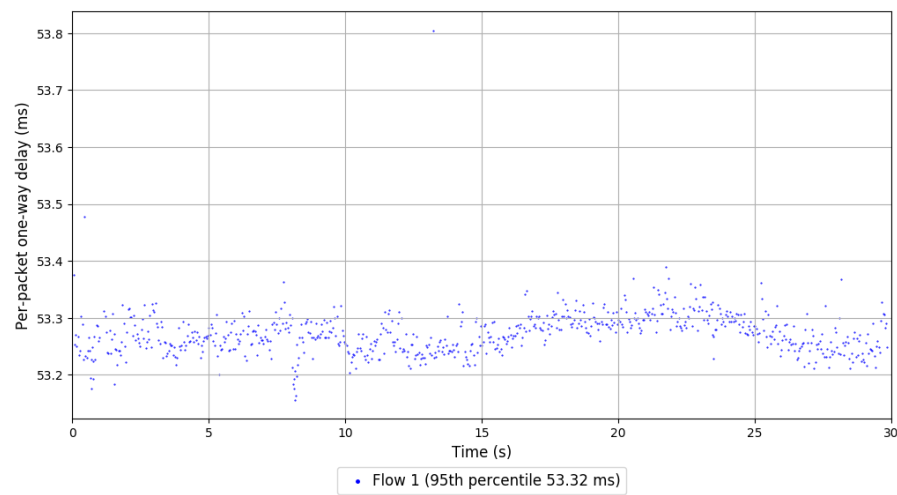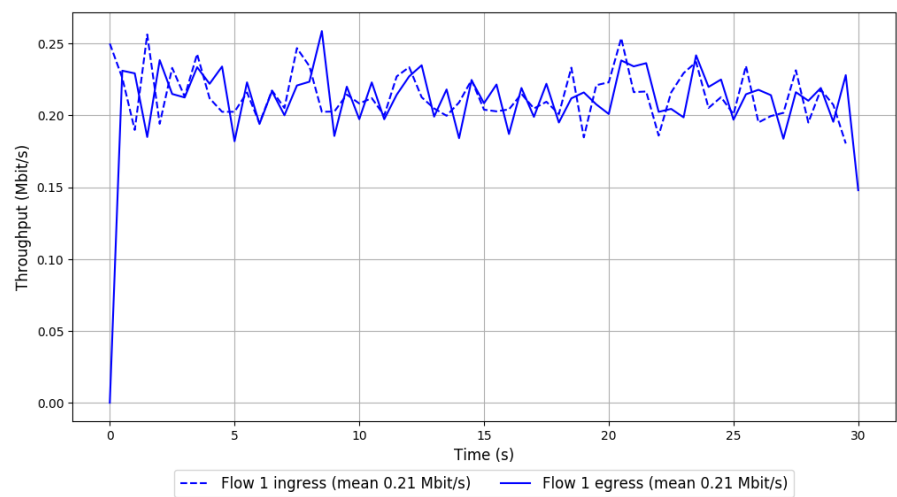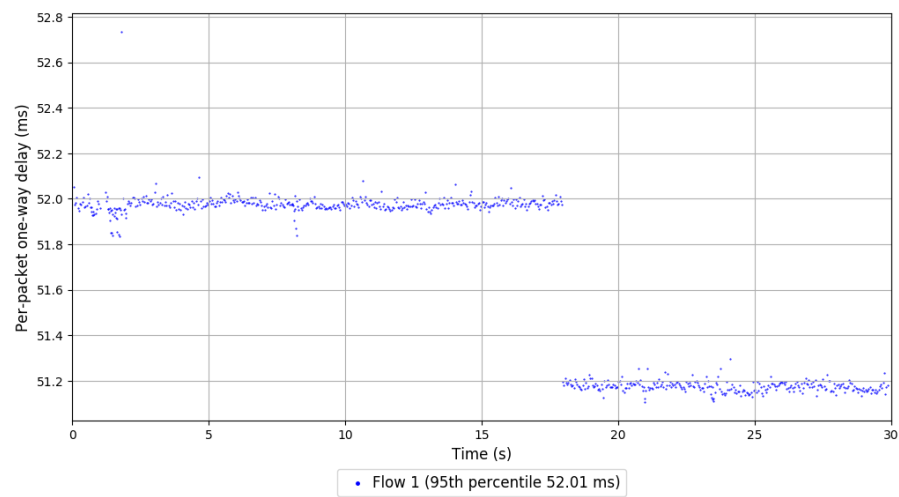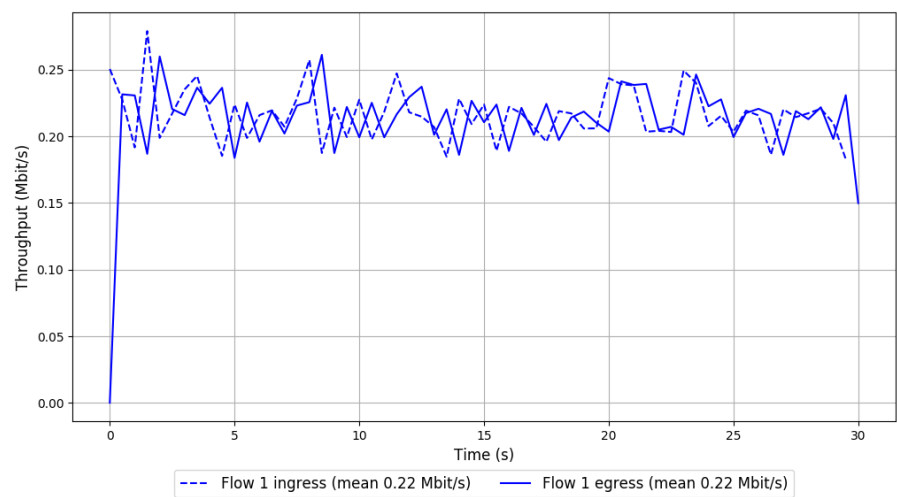
Run 2: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 54.12 ms)

```
Run 3: Statistics of SCReAM

Start at: 2018-08-03 19:33:04
End at: 2018-08-03 19:33:34
Local clock offset: -0.217 ms
Remote clock offset: 0.037 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.324 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.324 ms
Loss rate: 0.38%
```
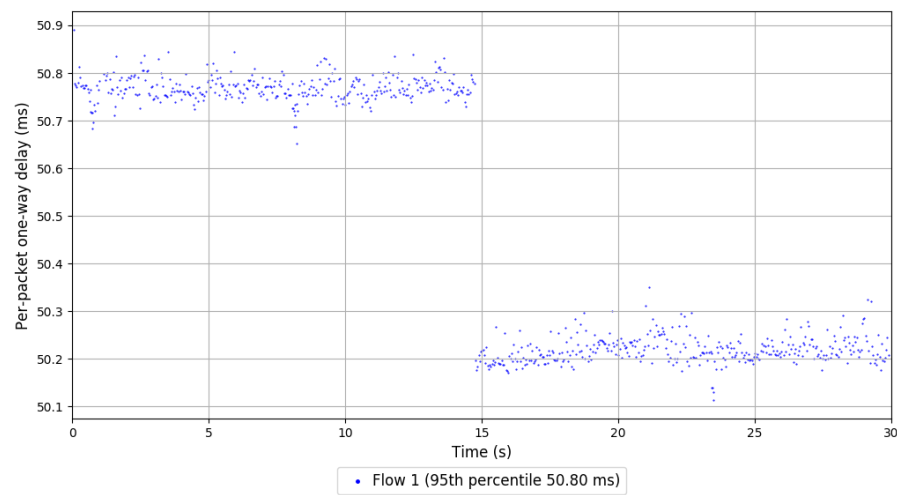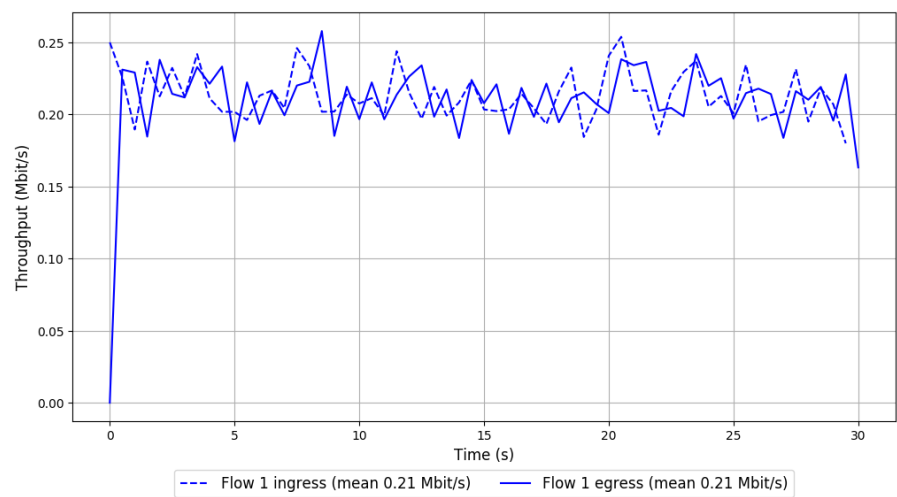
Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 53.32 ms)

```
Run 4: Statistics of SCReAM

Start at: 2018-08-03 19:55:14
End at: 2018-08-03 19:55:44
Local clock offset: -0.091 ms
Remote clock offset: -1.428 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.007 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.007 ms
Loss rate: 0.38%
```

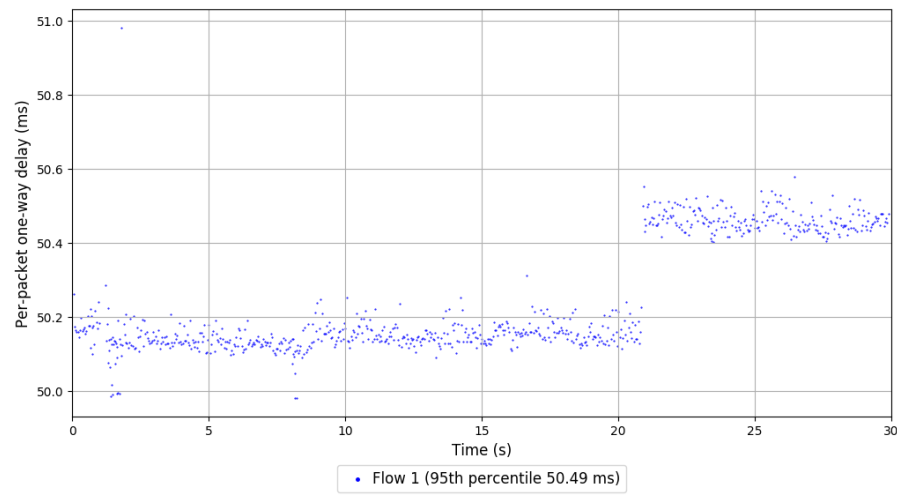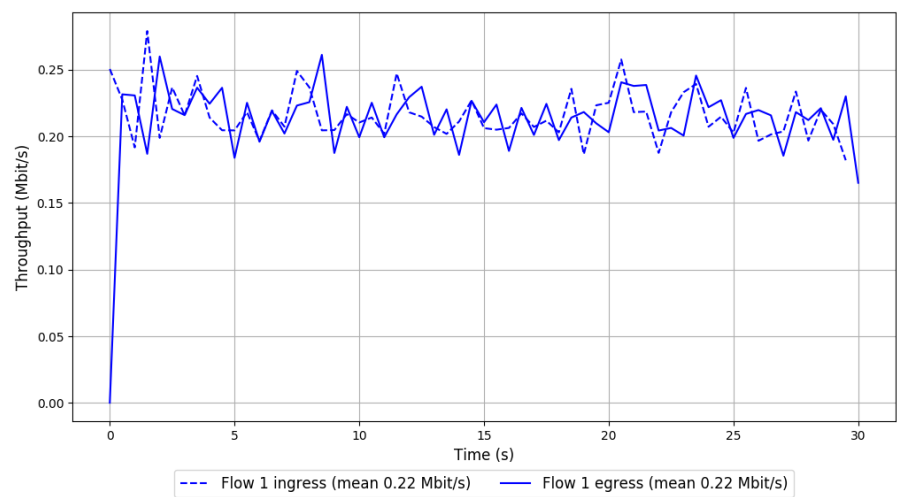# Run 4: Report of SCReAM — Data Link

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

• Flow 1 (95th percentile 52.01 ms)

```
Run 5: Statistics of SCReAM

Start at: 2018-08-03 20:17:35
End at: 2018-08-03 20:18:05
Local clock offset: -0.071 ms
Remote clock offset: -0.357 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.800 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.800 ms
Loss rate: 0.26%
```
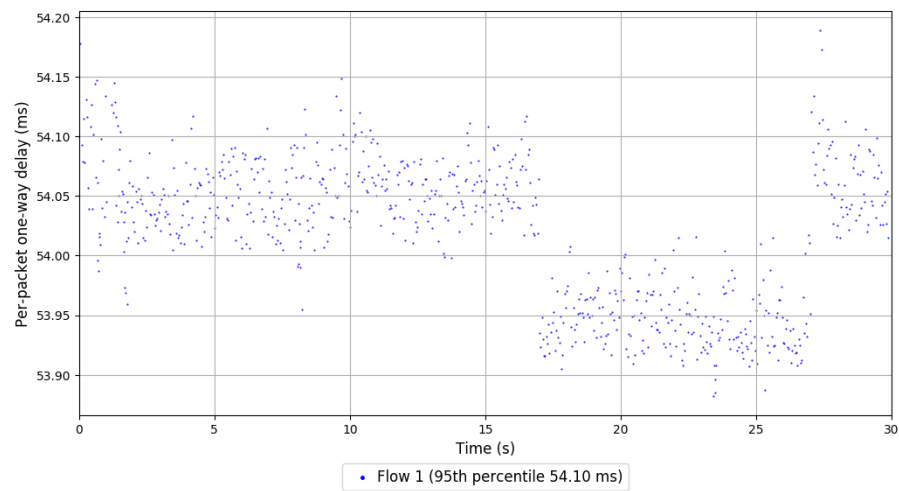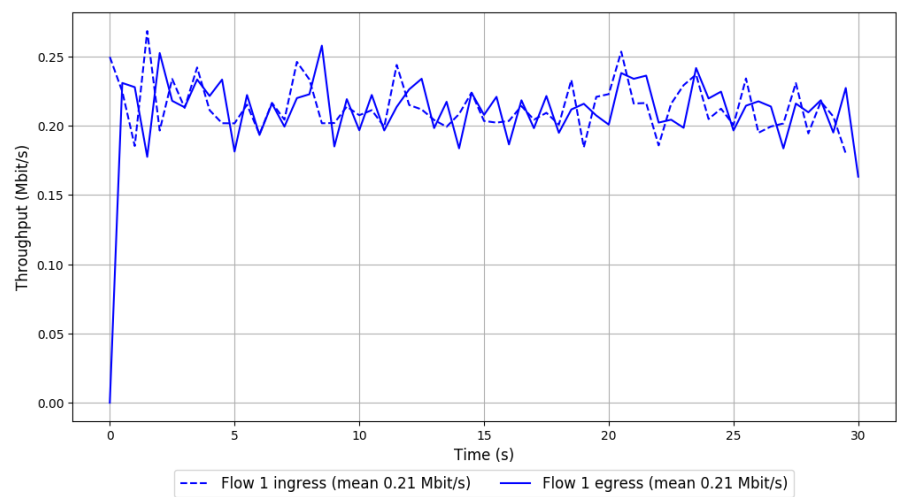
Run 5: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 50.80 ms)

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```
Run 6: Statistics of SCReAM

Start at: 2018-08-03 20:39:31
End at: 2018-08-03 20:40:01
Local clock offset: 0.024 ms
Remote clock offset: -0.206 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.495 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.495 ms
Loss rate: 0.26%
```
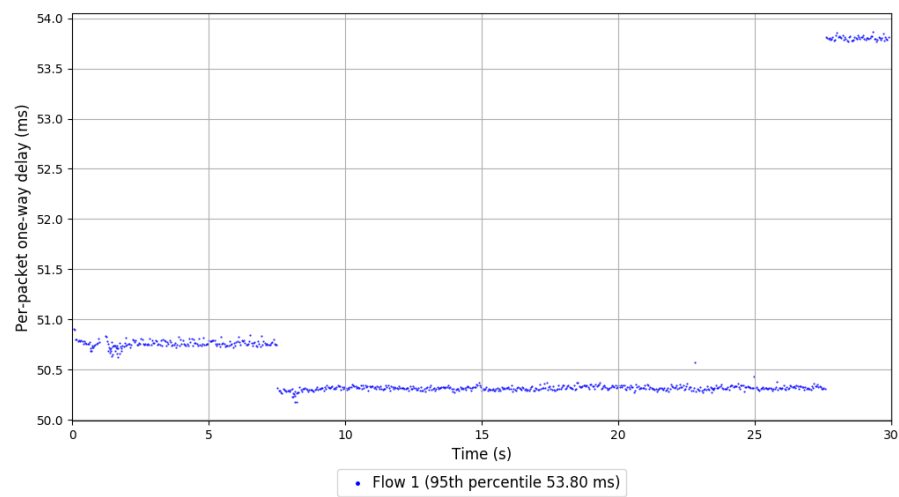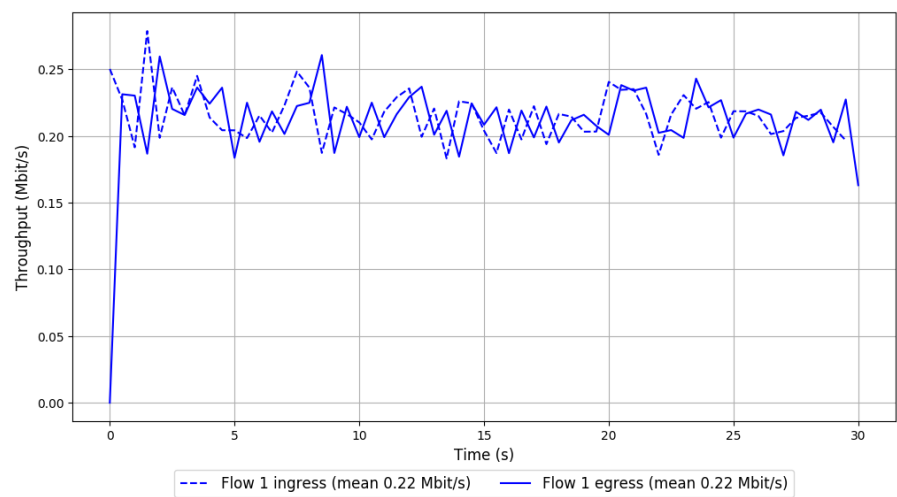
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 50.49 ms)

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```
Run 7: Statistics of SCReAM

Start at: 2018-08-03 21:02:12
End at: 2018-08-03 21:02:42
Local clock offset: -0.073 ms
Remote clock offset: -0.535 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.104 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.104 ms
Loss rate: 0.26%
```

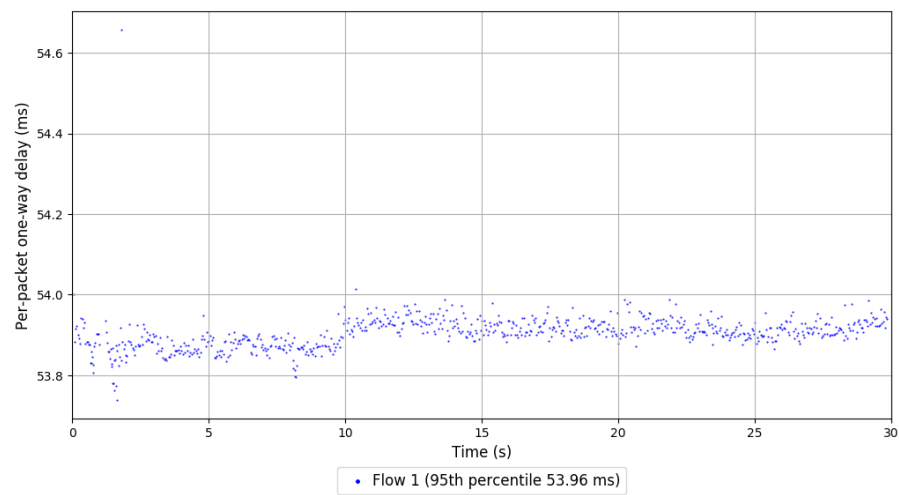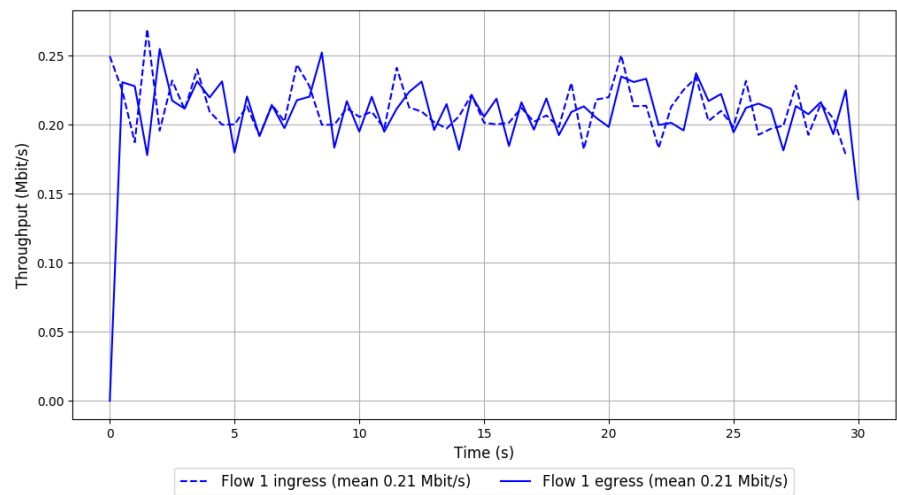# Run 7: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 54.10 ms)

```
Run 8: Statistics of SCReAM

Start at: 2018-08-03 21:24:52
End at: 2018-08-03 21:25:22
Local clock offset: 0.024 ms
Remote clock offset: -0.298 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.795 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.795 ms
Loss rate: 0.38%
```
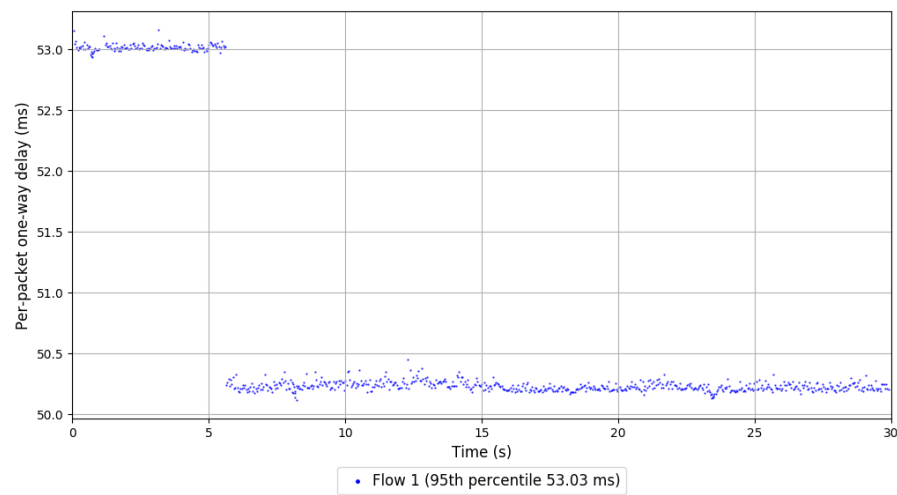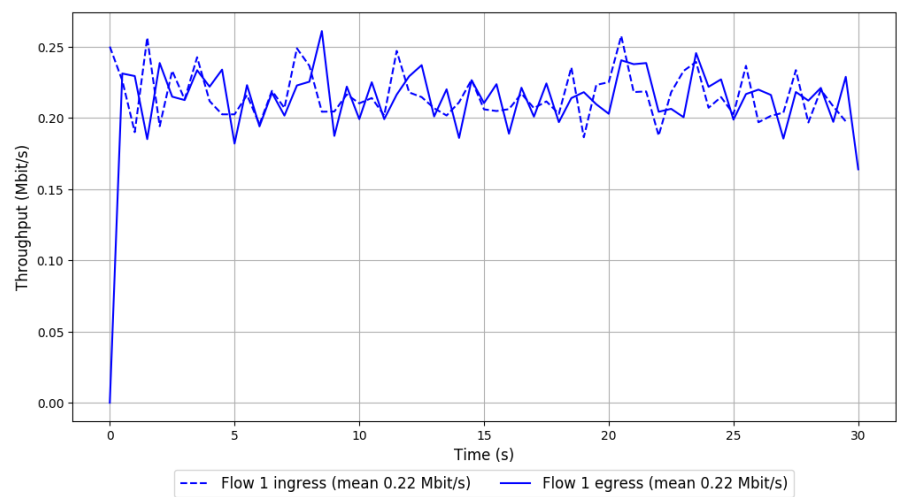
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 53.80 ms)

```
Run 9: Statistics of SCReAM

Start at: 2018-08-03 21:46:50
End at: 2018-08-03 21:47:20
Local clock offset: 0.201 ms
Remote clock offset: -0.167 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.956 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.956 ms
Loss rate: 0.38%
```
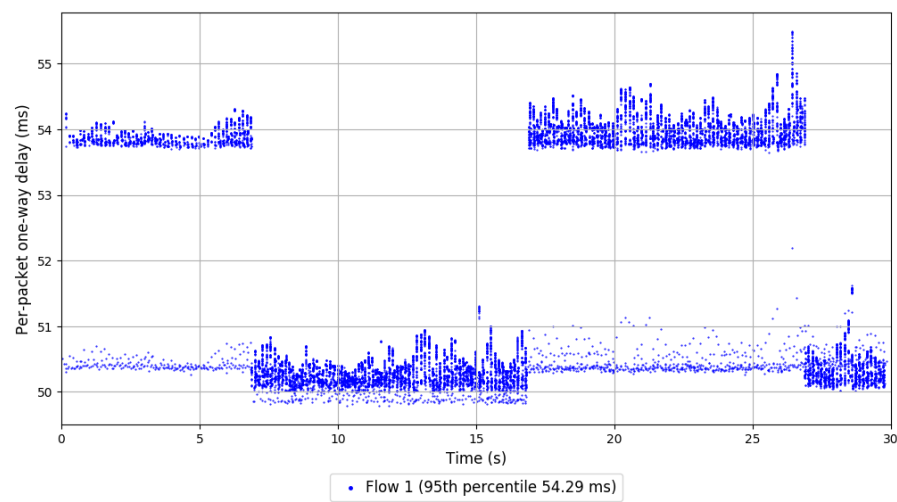
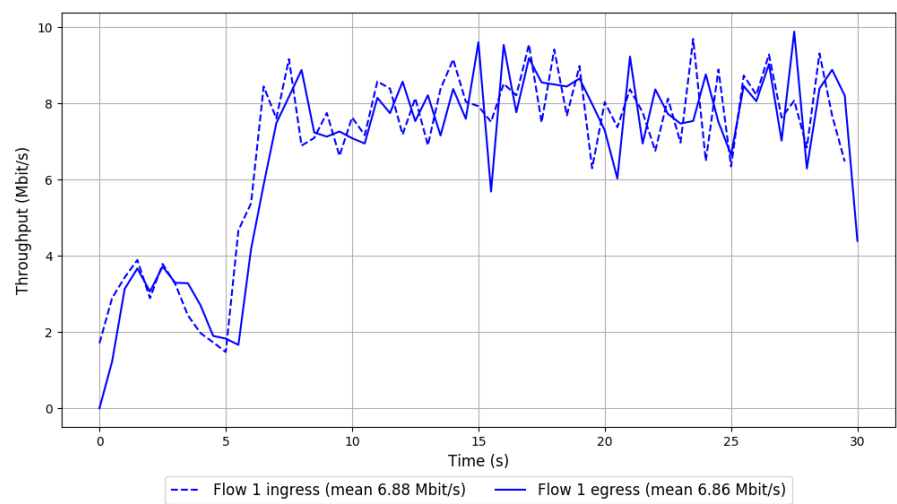Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2018-08-03 22:08:36
End at: 2018-08-03 22:09:06
Local clock offset: -0.17 ms
Remote clock offset: -0.24 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.031 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.031 ms
Loss rate: 0.39%
```

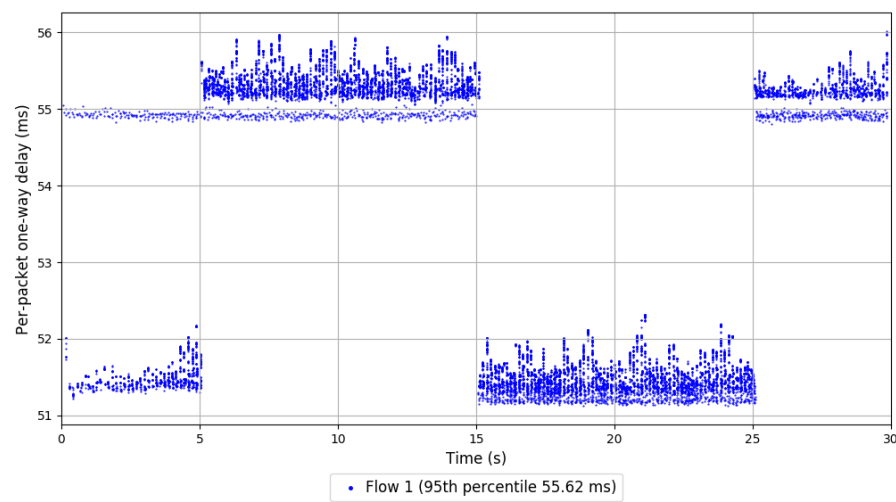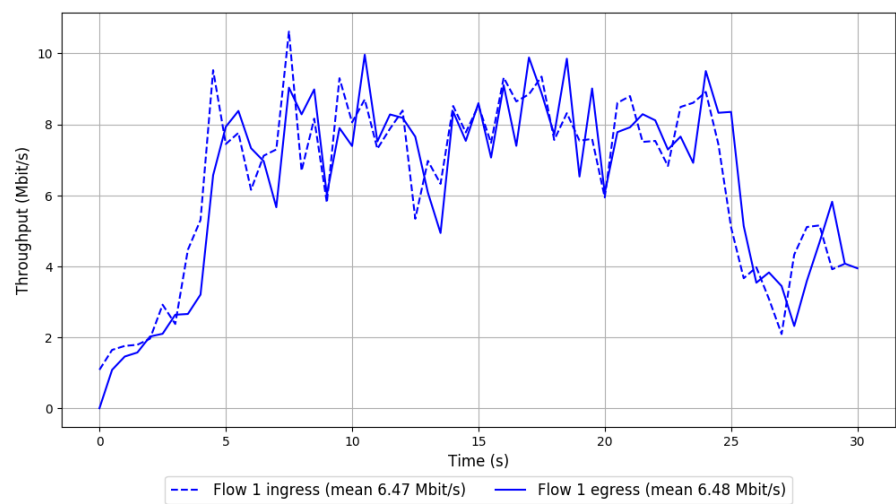Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of Sprout

Start at: 2018-08-03 18:48:55
End at: 2018-08-03 18:49:25
Local clock offset: 0.041 ms
Remote clock offset: -0.039 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 54.291 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 54.291 ms
Loss rate: 0.54%
```
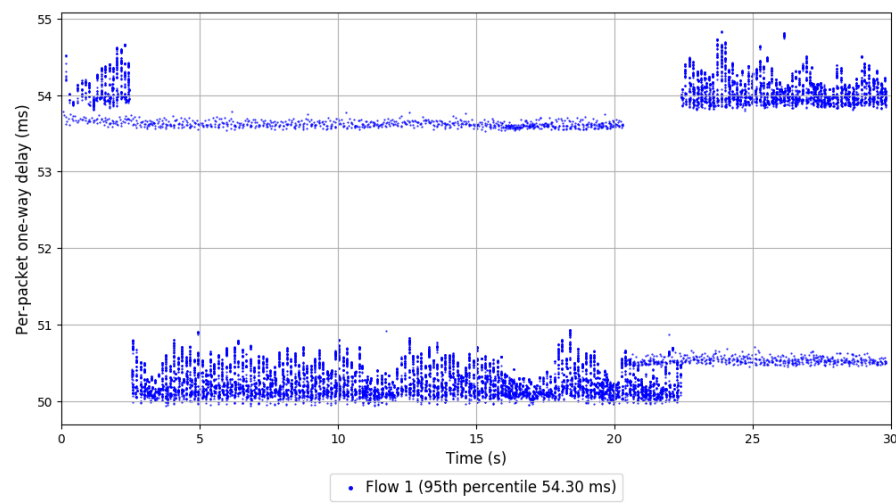
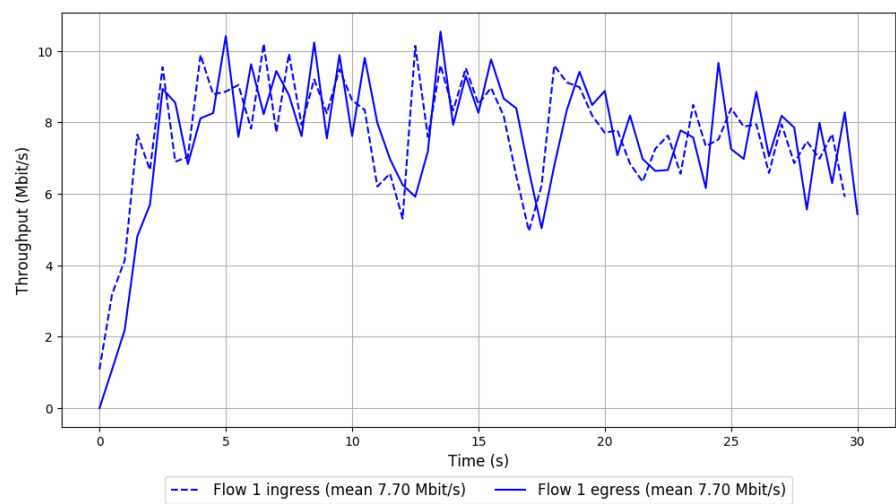## Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2018-08-03 19:11:36
End at: 2018-08-03 19:12:06
Local clock offset: 0.07 ms
Remote clock offset: -1.427 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 55.618 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 55.618 ms
Loss rate: 0.12%
```
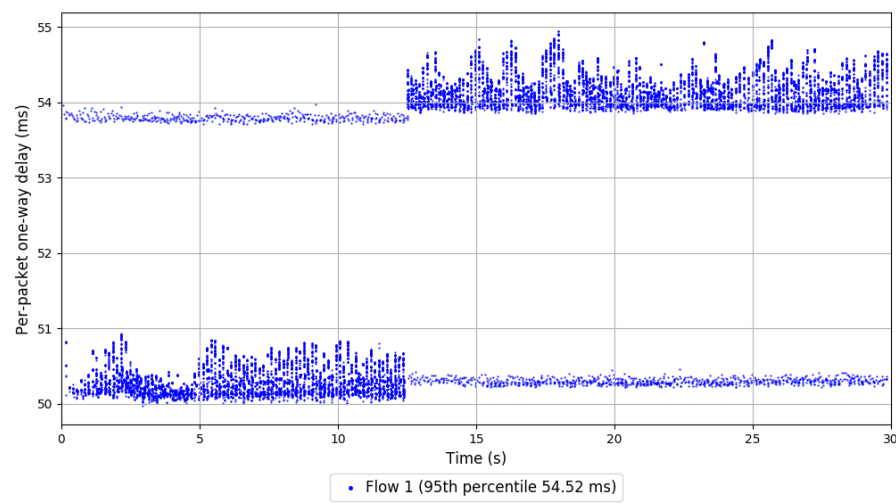
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 6.47 Mbit/s)   Flow 1 egress (mean 6.48 Mbit/s)

• Flow 1 (95th percentile 55.62 ms)

```
Run 3: Statistics of Sprout

Start at: 2018-08-03 19:34:09
End at: 2018-08-03 19:34:39
Local clock offset: -0.077 ms
Remote clock offset: -0.268 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 54.296 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 54.296 ms
Loss rate: 0.31%
```
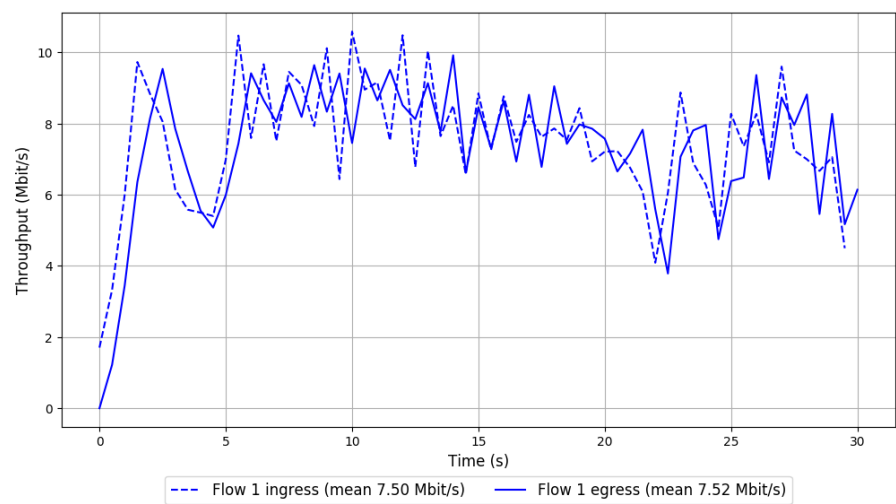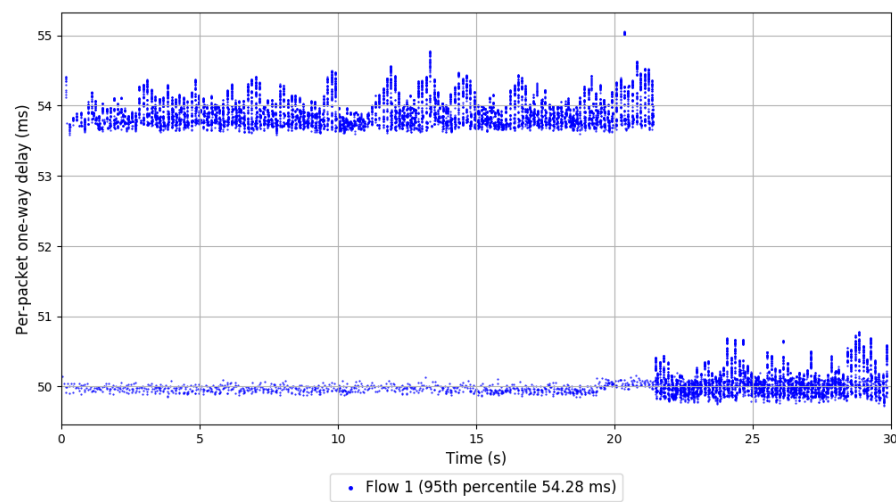
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 7.70 Mbit/s)   Flow 1 egress (mean 7.70 Mbit/s)

Flow 1 (95th percentile 54.30 ms)

```
Run 4: Statistics of Sprout

Start at: 2018-08-03 19:56:19
End at: 2018-08-03 19:56:49
Local clock offset: -0.074 ms
Remote clock offset: -0.302 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 54.524 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 54.524 ms
Loss rate: 0.05%
```
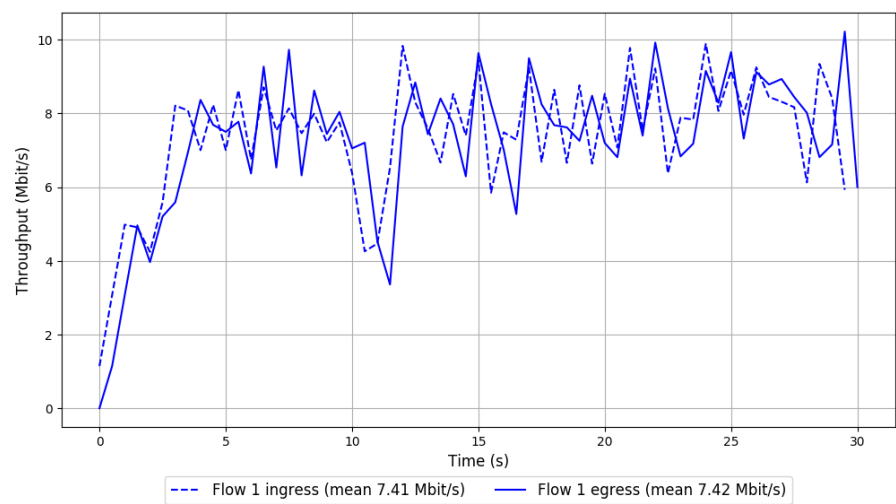
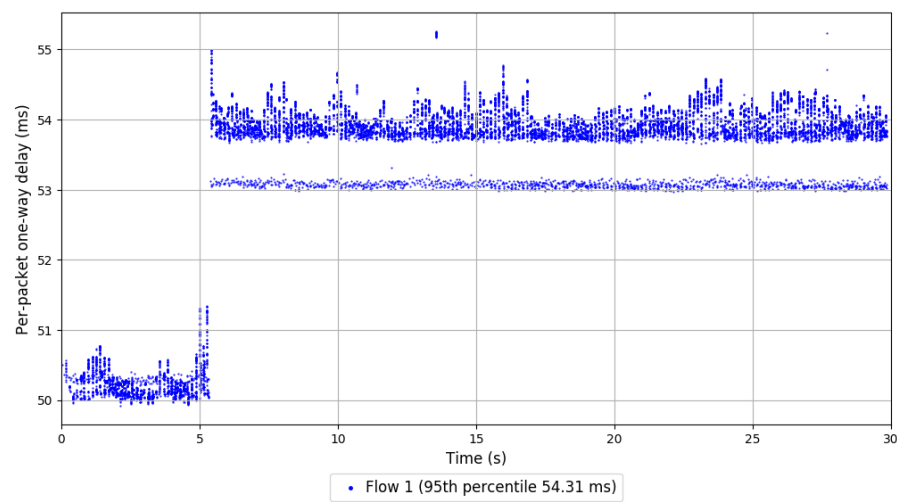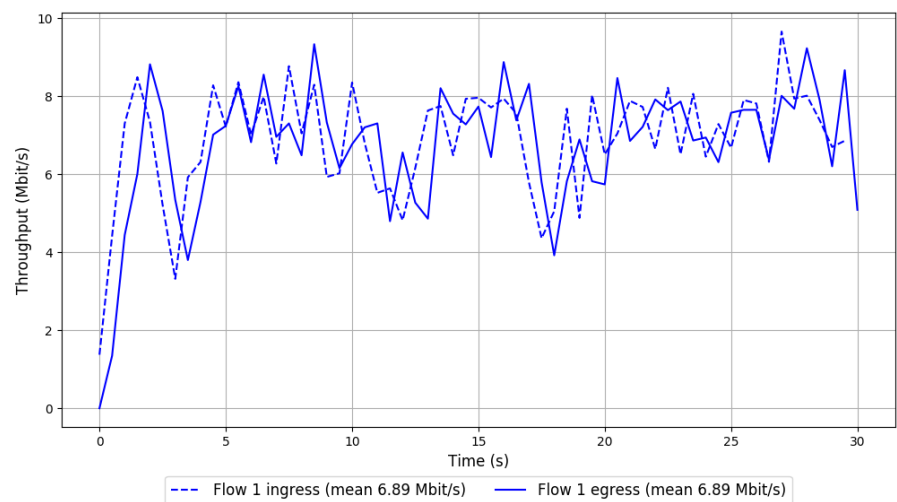Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 7.50 Mbit/s) --- Flow 1 egress (mean 7.52 Mbit/s)

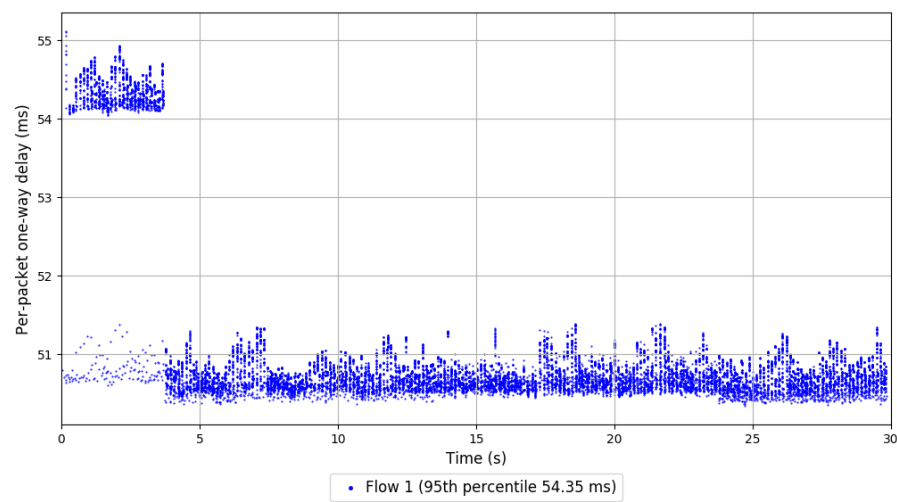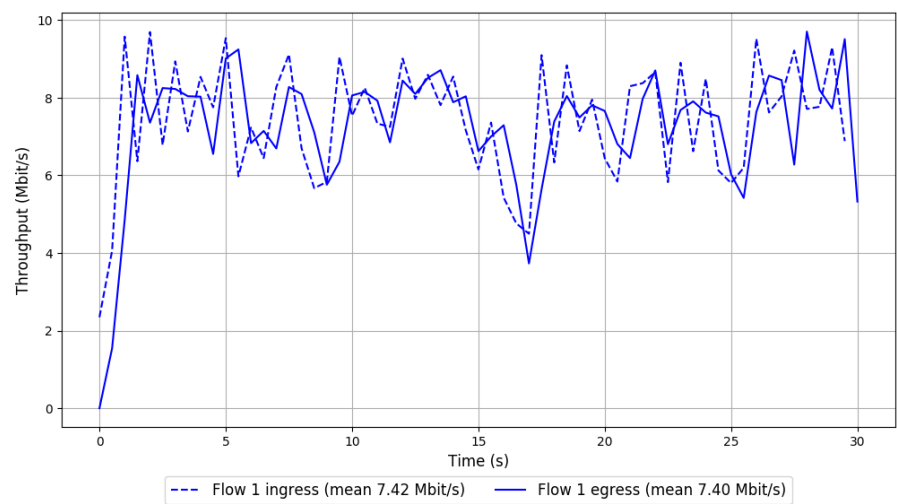

• Flow 1 (95th percentile 54.52 ms)

```
Run 5: Statistics of Sprout

Start at: 2018-08-03 20:18:40
End at: 2018-08-03 20:19:10
Local clock offset: 0.073 ms
Remote clock offset: 0.124 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 54.283 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 54.283 ms
Loss rate: 0.07%
```

Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2018-08-03 20:40:36
End at: 2018-08-03 20:41:06
Local clock offset: 0.121 ms
Remote clock offset: -0.047 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 54.310 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 54.310 ms
Loss rate: 0.43%
```
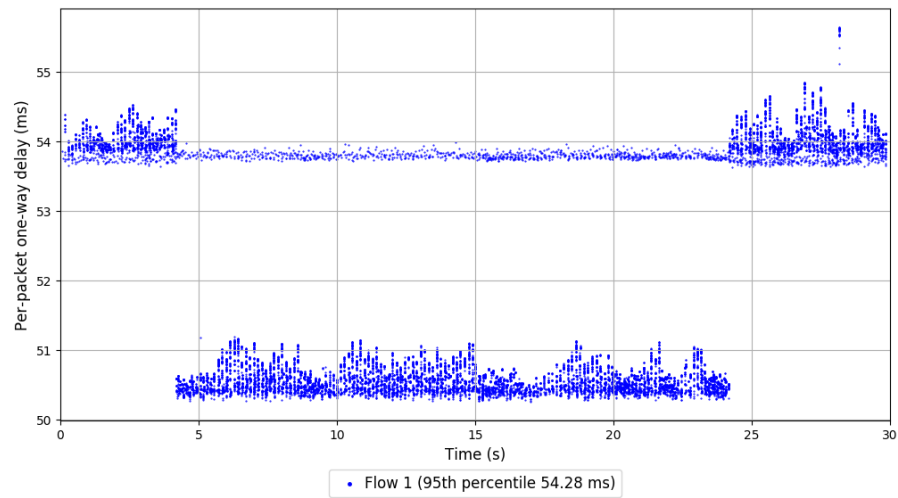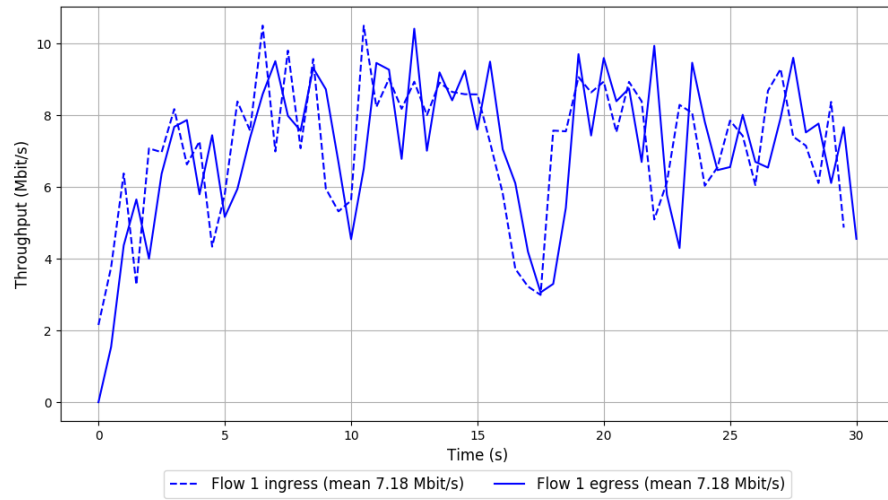
Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2018-08-03 21:03:18
End at: 2018-08-03 21:03:48
Local clock offset: 0.187 ms
Remote clock offset: -0.435 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 54.350 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 54.350 ms
Loss rate: 0.52%
```

Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2018-08-03 21:25:57
End at: 2018-08-03 21:26:27
Local clock offset: -0.0 ms
Remote clock offset: -0.327 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 54.276 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 54.276 ms
Loss rate: 0.30%
```
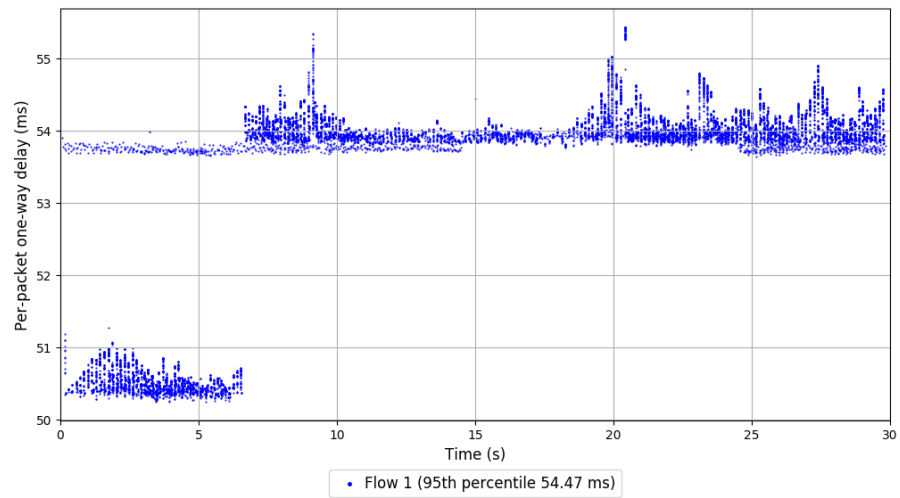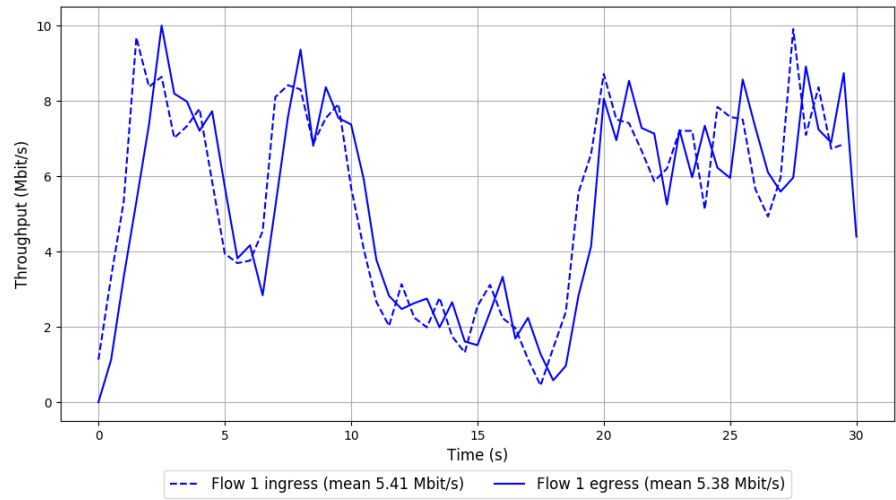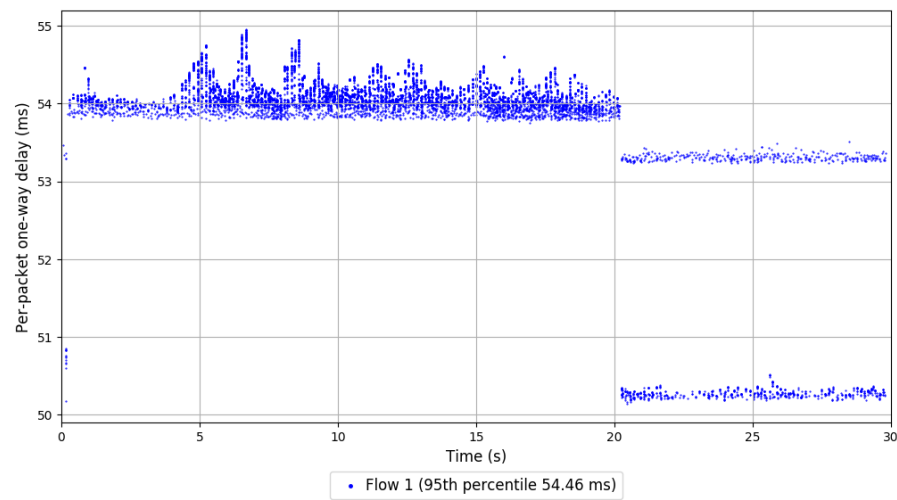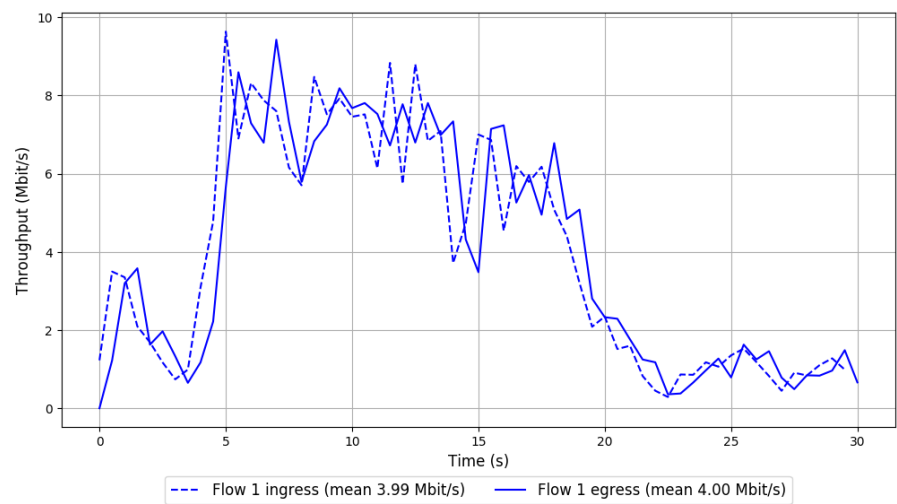
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2018-08-03 21:47:55
End at: 2018-08-03 21:48:25
Local clock offset: 0.146 ms
Remote clock offset: -0.16 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 54.472 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 54.472 ms
Loss rate: 0.86%
```
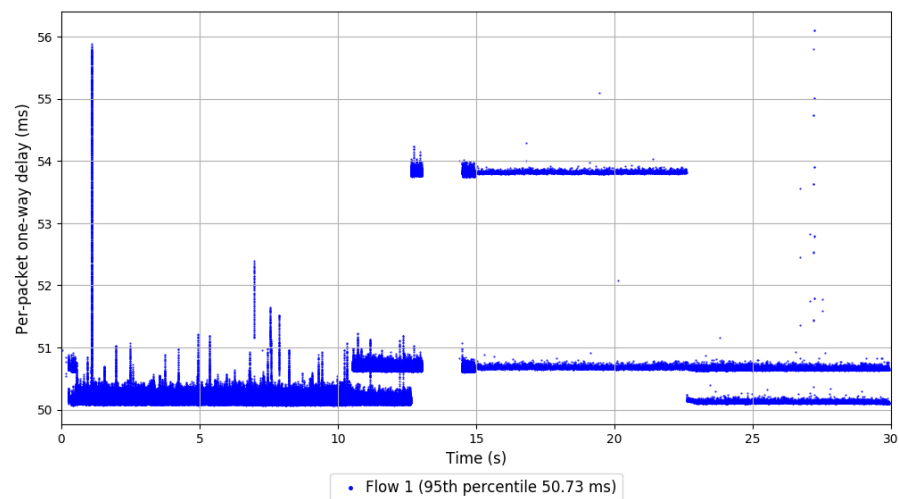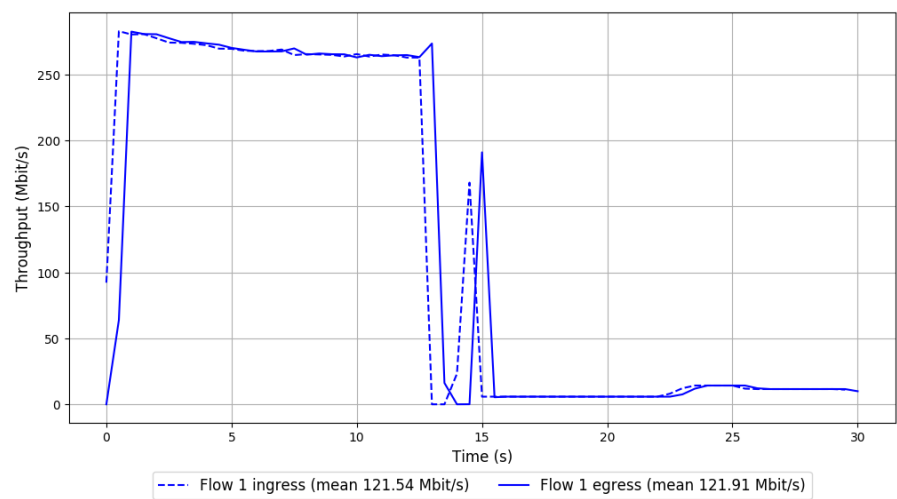
Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2018-08-03 22:09:41
End at: 2018-08-03 22:10:11
Local clock offset: 0.183 ms
Remote clock offset: -0.194 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 54.459 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 54.459 ms
Loss rate: 0.14%
```

Run 10: Report of Sprout — Data Link

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

Start at: 2018-08-03 18:51:39
End at: 2018-08-03 18:52:09
Local clock offset: -0.212 ms
Remote clock offset: -0.427 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.91 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 121.91 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.03%
```
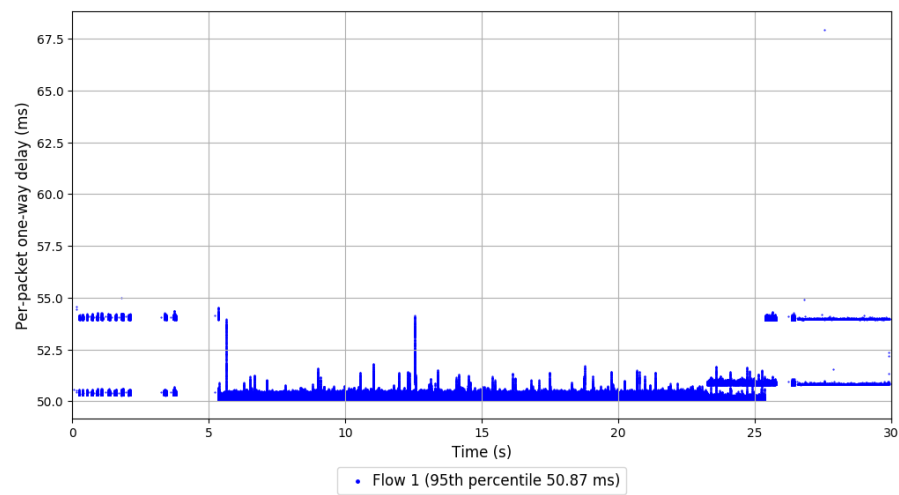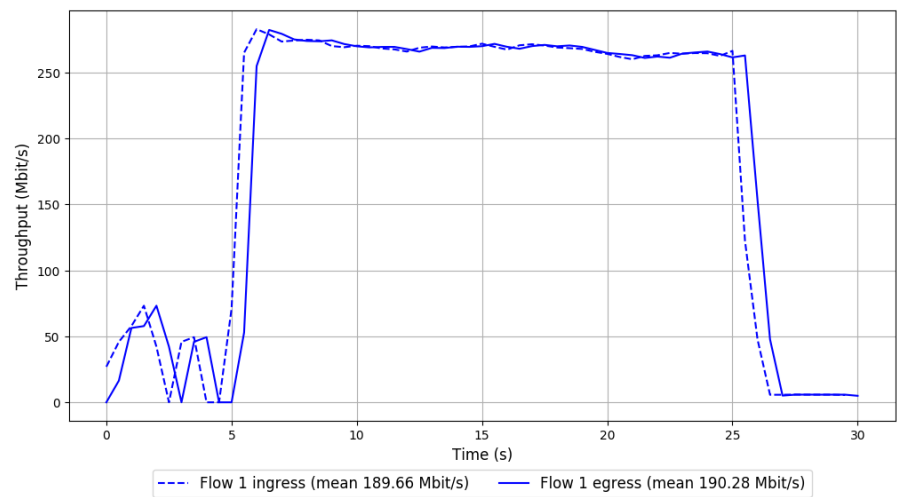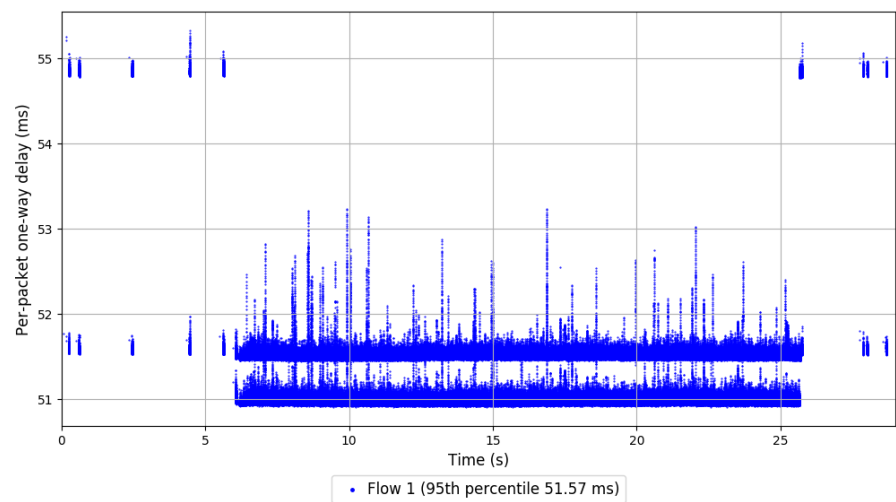
Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2018-08-03 19:14:06
End at: 2018-08-03 19:14:36
Local clock offset: 0.09 ms
Remote clock offset: -0.306 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.28 Mbit/s
95th percentile per-packet one-way delay: 50.871 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 190.28 Mbit/s
95th percentile per-packet one-way delay: 50.871 ms
Loss rate: 0.01%
```

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

Flow 1 ingress (mean 189.66 Mbit/s)   Flow 1 egress (mean 190.28 Mbit/s)
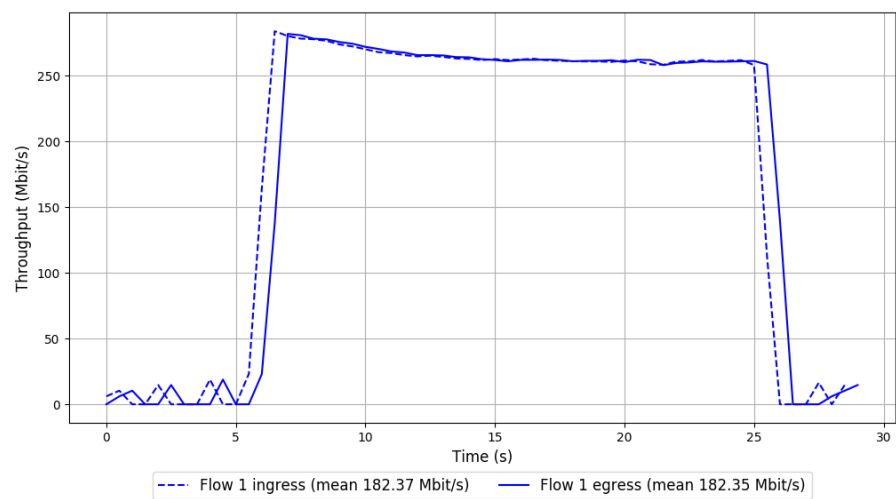

Flow 1 (95th percentile 50.87 ms)

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

Start at: 2018-08-03 19:36:26
End at: 2018-08-03 19:36:56
Local clock offset: -0.074 ms
Remote clock offset: -1.286 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.35 Mbit/s
95th percentile per-packet one-way delay: 51.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.35 Mbit/s
95th percentile per-packet one-way delay: 51.570 ms
Loss rate: 0.00%
```
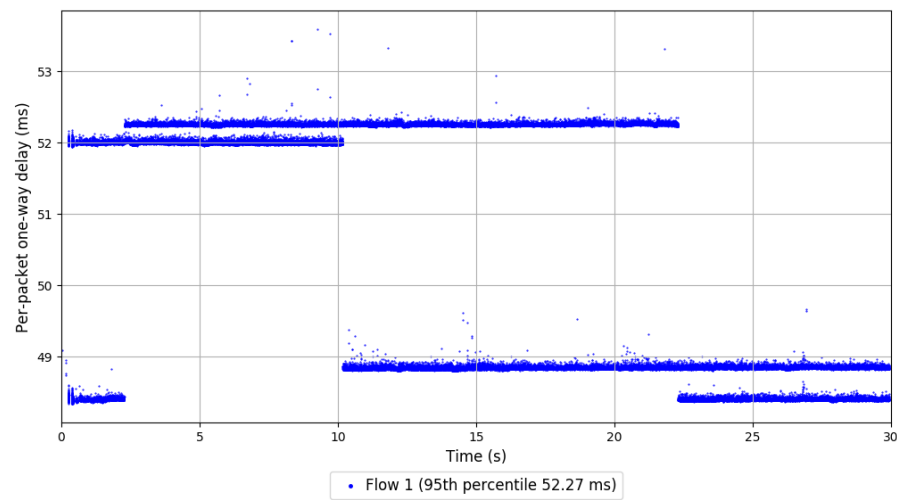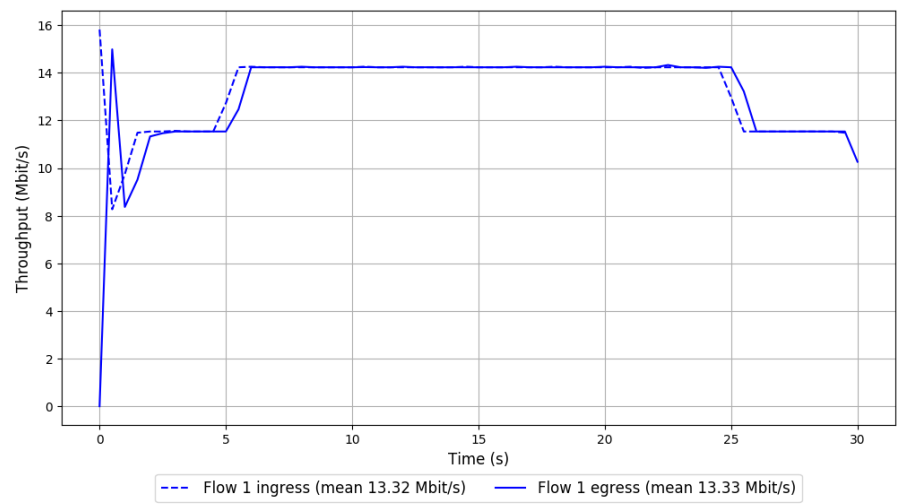
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 182.37 Mbit/s)   Flow 1 egress (mean 182.35 Mbit/s)

• Flow 1 (95th percentile 51.57 ms)

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

Start at: 2018-08-03 19:58:49
End at: 2018-08-03 19:59:19
Local clock offset: -0.117 ms
Remote clock offset: 1.262 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 52.271 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 52.271 ms
Loss rate: 0.29%
```
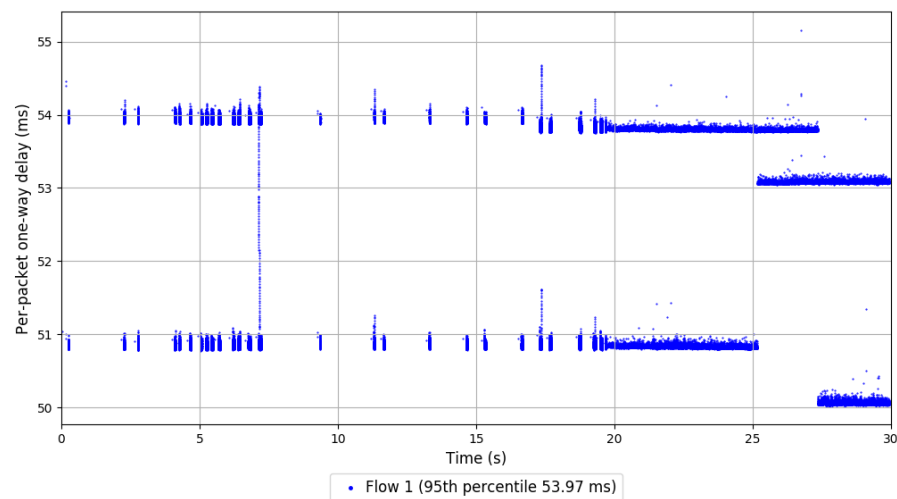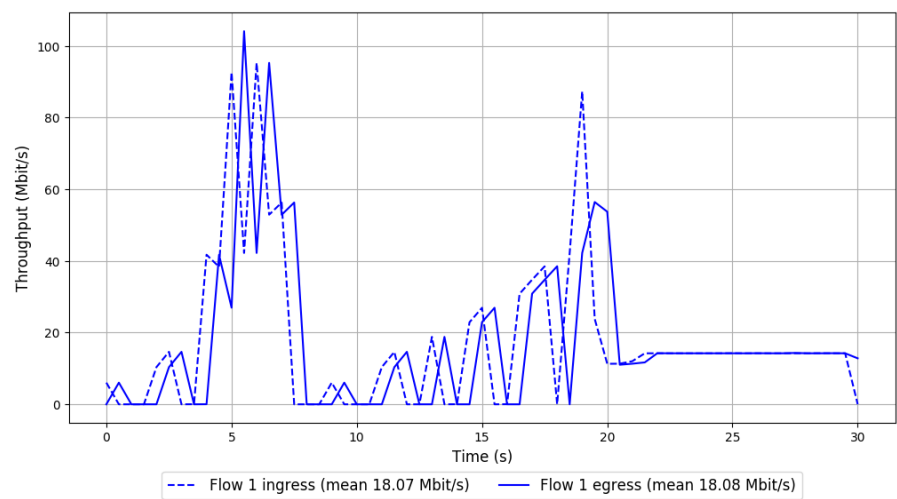
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 13.32 Mbit/s) --- Flow 1 egress (mean 13.33 Mbit/s)

Flow 1 (95th percentile 52.27 ms)

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

Start at: 2018-08-03 20:21:04
End at: 2018-08-03 20:21:34
Local clock offset: 0.129 ms
Remote clock offset: -0.125 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 53.969 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 53.969 ms
Loss rate: 0.26%
```
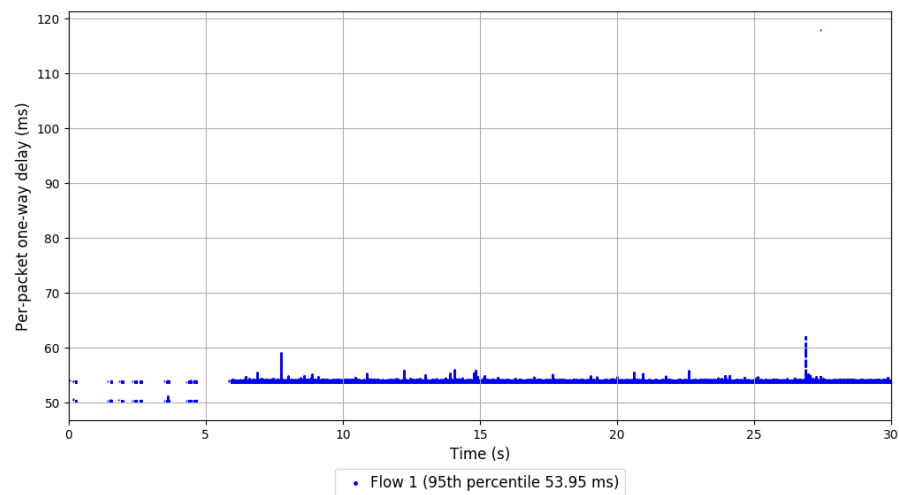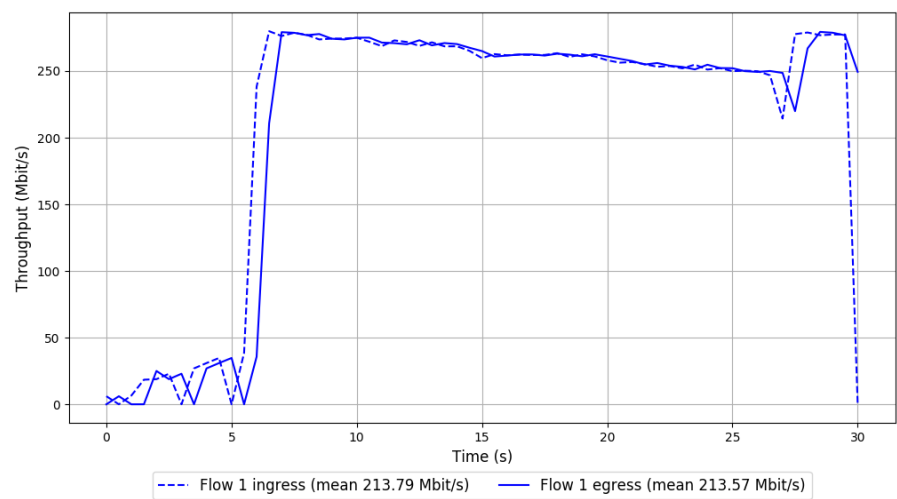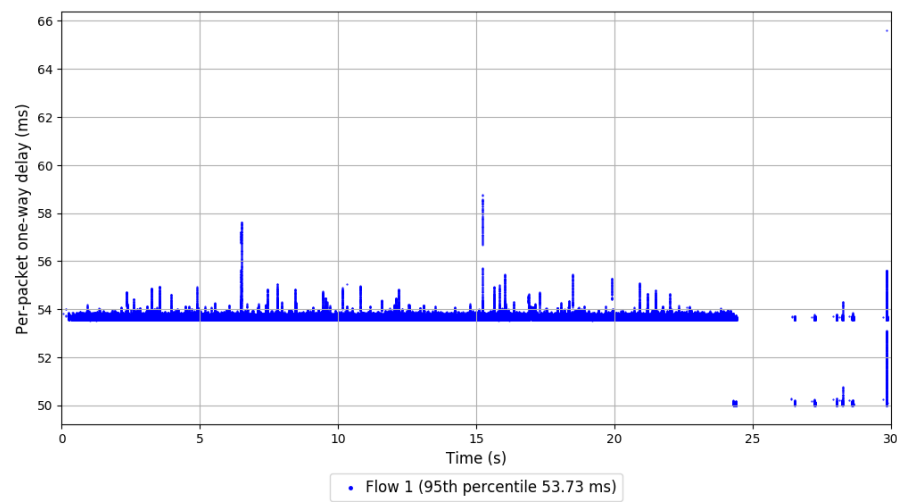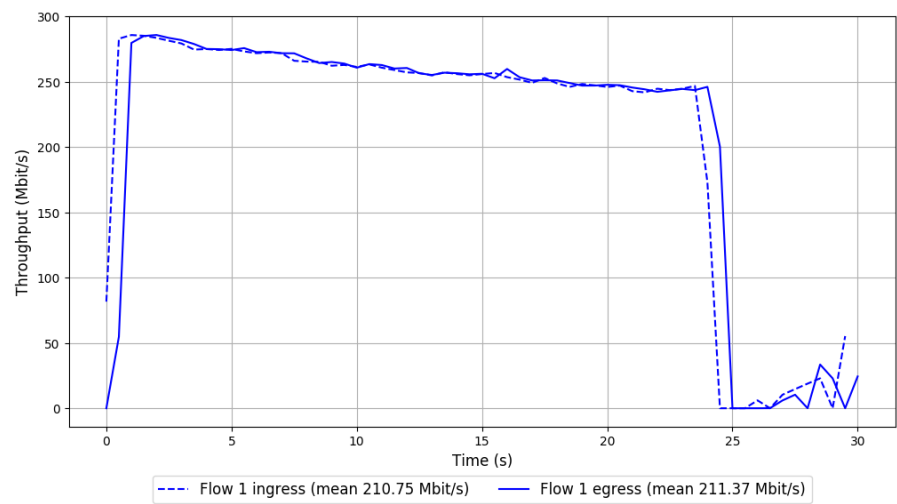
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 18.07 Mbit/s)   Flow 1 egress (mean 18.08 Mbit/s)

Flow 1 (95th percentile 53.97 ms)

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

Start at: 2018-08-03 20:43:16
End at: 2018-08-03 20:43:46
Local clock offset: 0.047 ms
Remote clock offset: -0.342 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.57 Mbit/s
95th percentile per-packet one-way delay: 53.950 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 213.57 Mbit/s
95th percentile per-packet one-way delay: 53.950 ms
Loss rate: 0.45%
```

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

Flow 1 ingress (mean 213.79 Mbit/s)   Flow 1 egress (mean 213.57 Mbit/s)
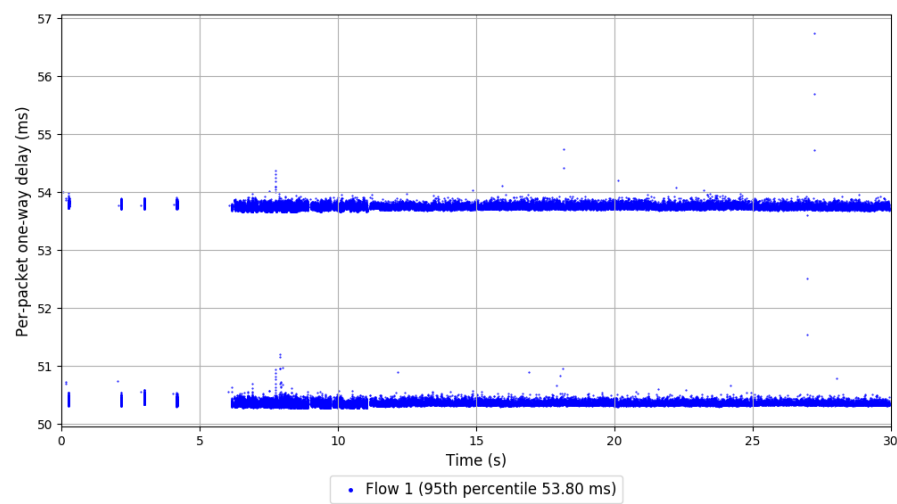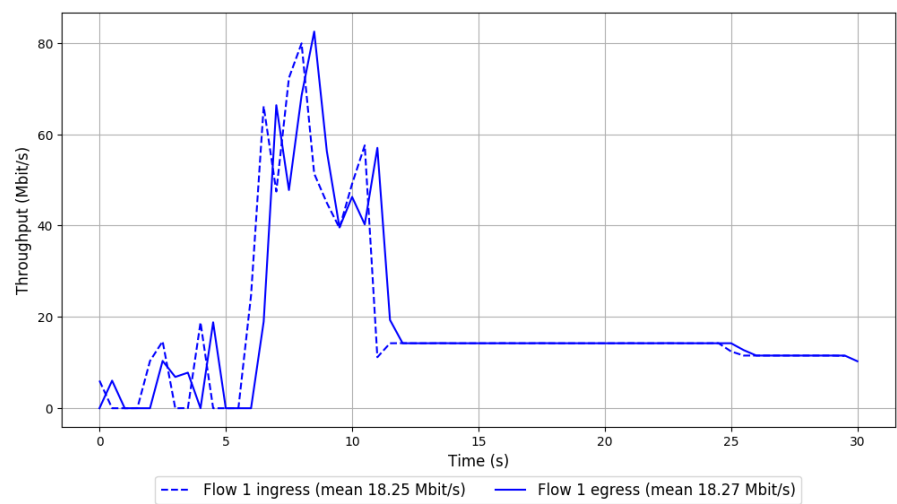

Flow 1 (95th percentile 53.95 ms)

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

Start at: 2018-08-03 21:05:47
End at: 2018-08-03 21:06:17
Local clock offset: -0.009 ms
Remote clock offset: -0.229 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.37 Mbit/s
95th percentile per-packet one-way delay: 53.727 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 211.37 Mbit/s
95th percentile per-packet one-way delay: 53.727 ms
Loss rate: 0.24%
```

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

Flow 1 ingress (mean 210.75 Mbit/s)   Flow 1 egress (mean 211.37 Mbit/s)

• Flow 1 (95th percentile 53.73 ms)

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

Start at: 2018-08-03 21:28:19
End at: 2018-08-03 21:28:49
Local clock offset: -0.013 ms
Remote clock offset: -0.404 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.27 Mbit/s
95th percentile per-packet one-way delay: 53.803 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 18.27 Mbit/s
95th percentile per-packet one-way delay: 53.803 ms
Loss rate: 0.21%
```
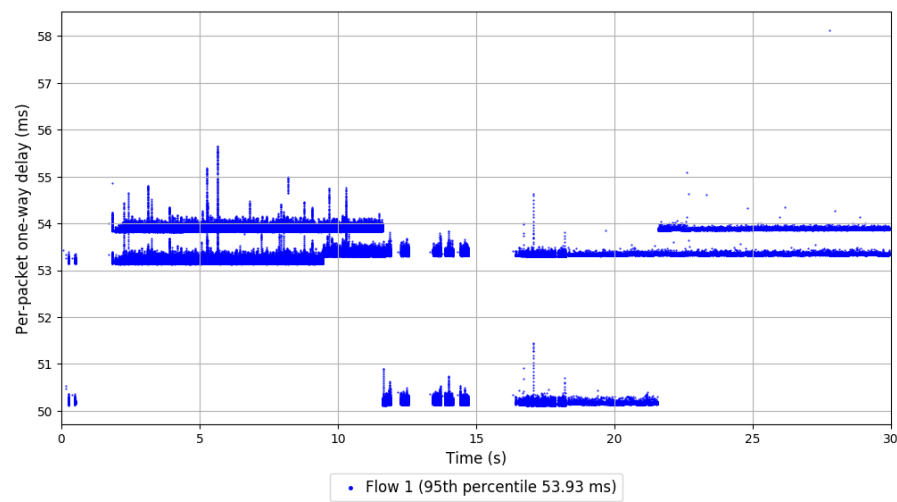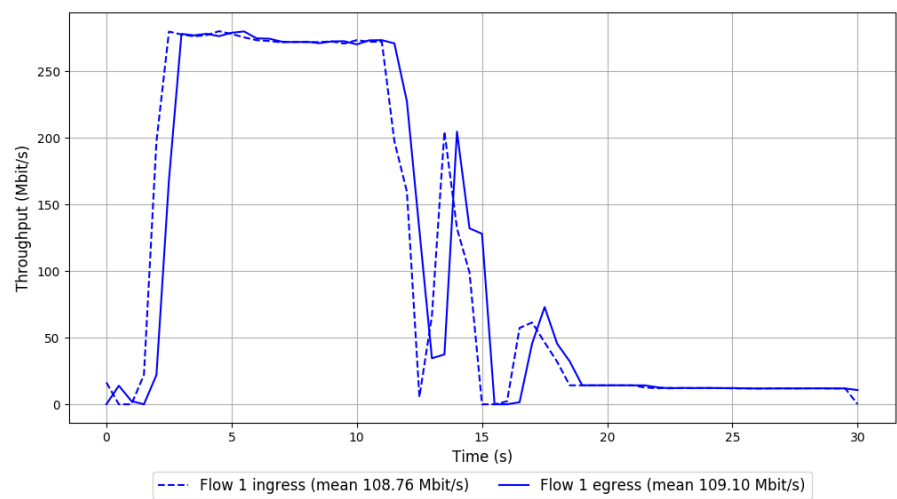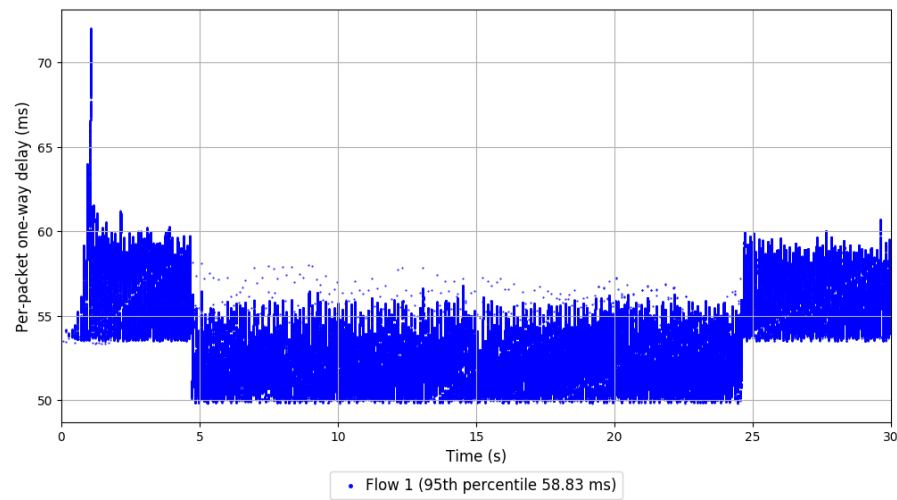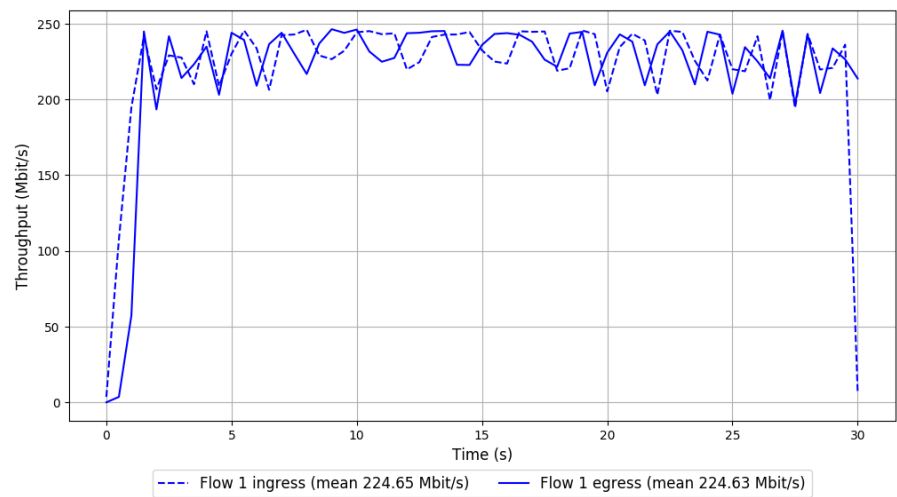
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 18.25 Mbit/s) --- Flow 1 egress (mean 18.27 Mbit/s)

Flow 1 (95th percentile 53.80 ms)

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

Start at: 2018-08-03 21:50:10
End at: 2018-08-03 21:50:40
Local clock offset: -0.116 ms
Remote clock offset: -0.121 ms
```

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

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

Start at: 2018-08-03 22:12:00
End at: 2018-08-03 22:12:30
Local clock offset: 0.23 ms
Remote clock offset: -0.162 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.10 Mbit/s
95th percentile per-packet one-way delay: 53.926 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 109.10 Mbit/s
95th percentile per-packet one-way delay: 53.926 ms
Loss rate: 0.04%
```

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

Flow 1 ingress (mean 108.76 Mbit/s)   Flow 1 egress (mean 109.10 Mbit/s)
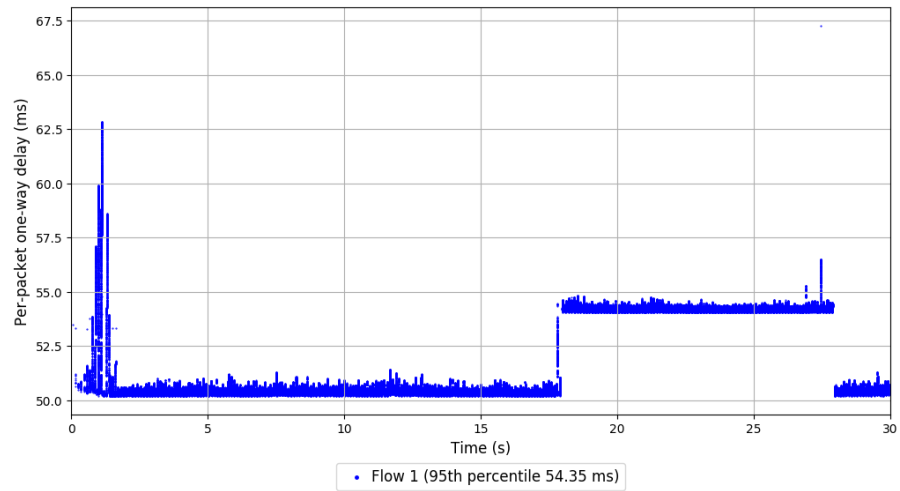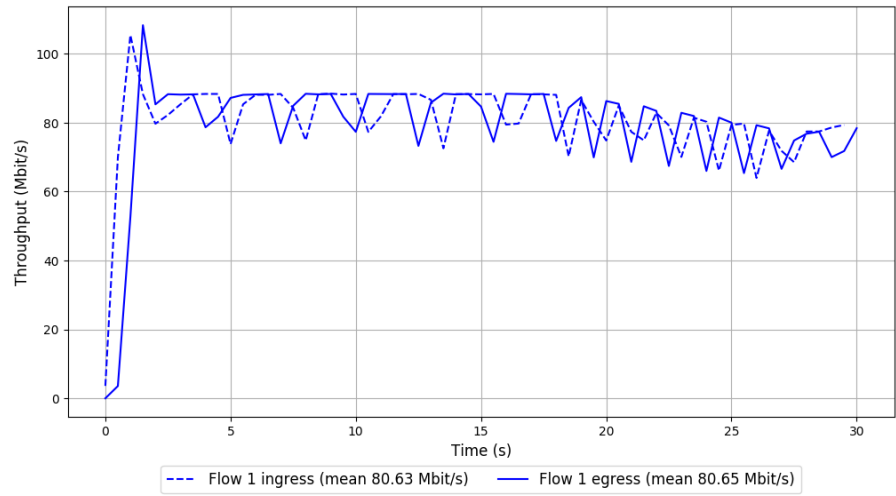

Flow 1 (95th percentile 53.93 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2018-08-03 18:44:07
End at: 2018-08-03 18:44:37
Local clock offset: -0.108 ms
Remote clock offset: -0.034 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.63 Mbit/s
95th percentile per-packet one-way delay: 58.829 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 224.63 Mbit/s
95th percentile per-packet one-way delay: 58.829 ms
Loss rate: 0.36%
```

Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2018-08-03 19:06:54
End at: 2018-08-03 19:07:24
Local clock offset: 0.251 ms
Remote clock offset: -0.262 ms


# Below is generated by plot.py at 2018-08-04 00:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: 54.349 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: 54.349 ms
Loss rate: 0.33%
```

Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2018-08-03 19:29:21
End at: 2018-08-03 19:29:51
Local clock offset: 0.105 ms
Remote clock offset: 0.027 ms


# Below is generated by plot.py at 2018-08-04 00:03:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.37 Mbit/s
95th percentile per-packet one-way delay: 55.614 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 229.37 Mbit/s
95th percentile per-packet one-way delay: 55.614 ms
Loss rate: 0.38%
```
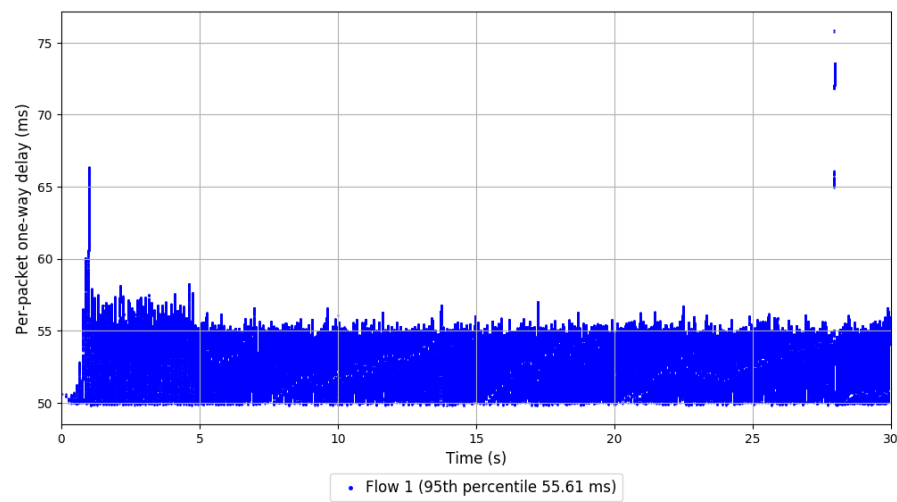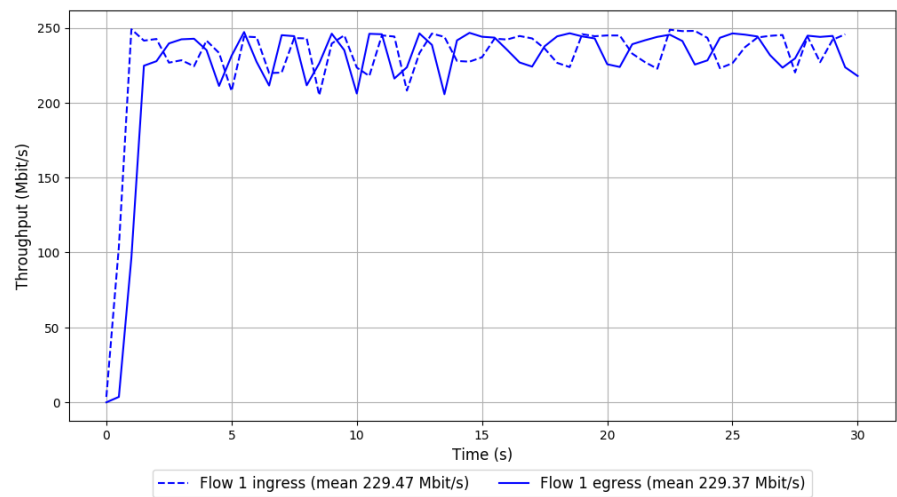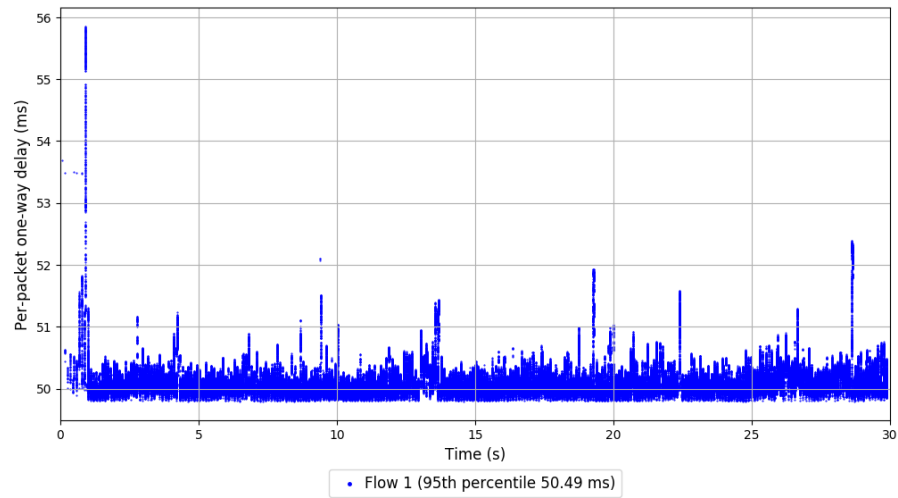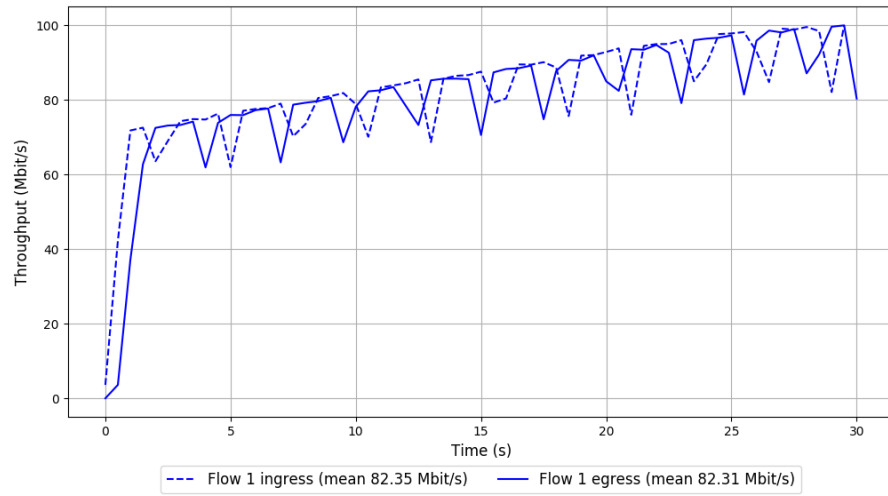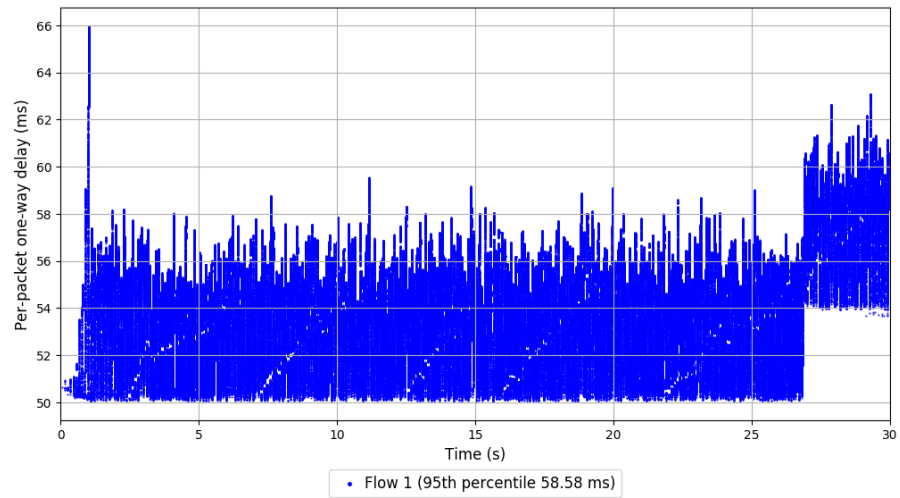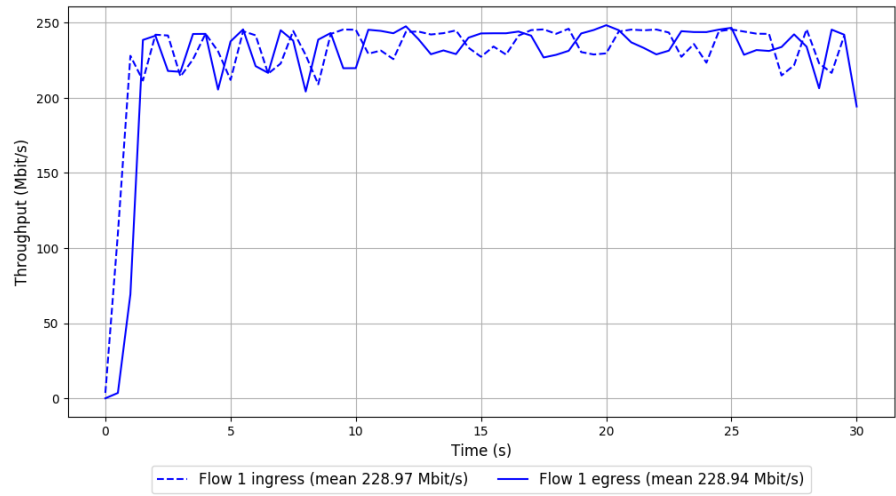
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 229.47 Mbit/s) ----   Flow 1 egress (mean 229.37 Mbit/s) ——

Flow 1 (95th percentile 55.61 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2018-08-03 19:51:37
End at: 2018-08-03 19:52:07
Local clock offset: 0.015 ms
Remote clock offset: -0.061 ms


# Below is generated by plot.py at 2018-08-04 00:03:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 50.492 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 50.492 ms
Loss rate: 0.41%
```
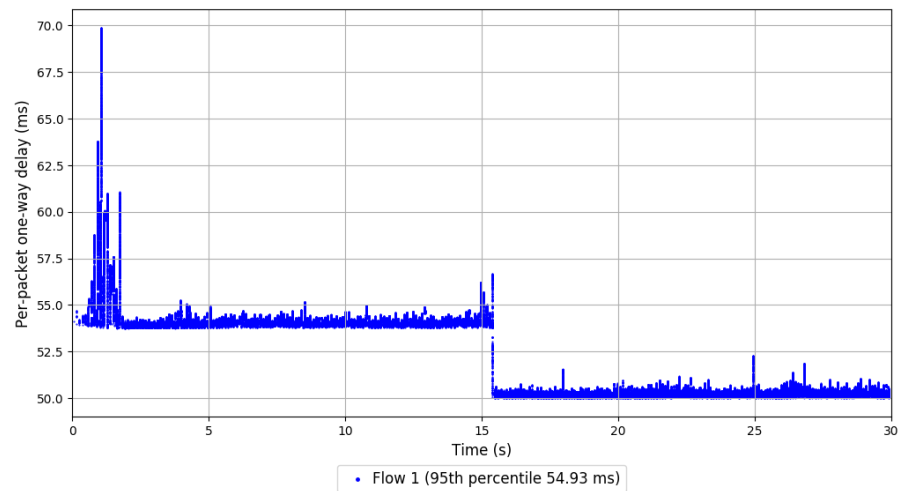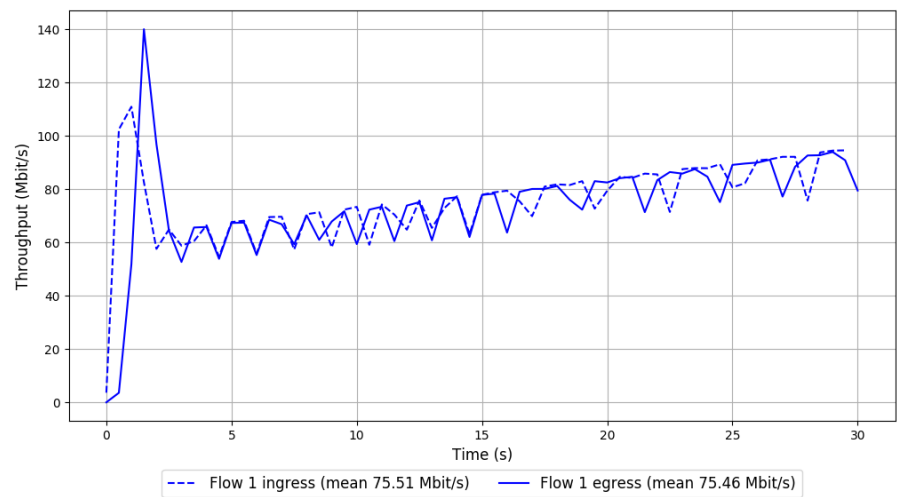
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2018-08-03 20:13:55
End at: 2018-08-03 20:14:25
Local clock offset: -0.009 ms
Remote clock offset: -0.268 ms


# Below is generated by plot.py at 2018-08-04 00:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.94 Mbit/s
95th percentile per-packet one-way delay: 58.583 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 228.94 Mbit/s
95th percentile per-packet one-way delay: 58.583 ms
Loss rate: 0.35%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 228.97 Mbit/s)   Flow 1 egress (mean 228.94 Mbit/s)

Flow 1 (95th percentile 58.58 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2018-08-03 20:35:56
End at: 2018-08-03 20:36:26
Local clock offset: 0.187 ms
Remote clock offset: -0.103 ms


# Below is generated by plot.py at 2018-08-04 00:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 54.929 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 54.929 ms
Loss rate: 0.42%
```

Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2018-08-03 20:58:33
End at: 2018-08-03 20:59:03
Local clock offset: 0.109 ms
Remote clock offset: 0.0 ms


# Below is generated by plot.py at 2018-08-04 00:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.76 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 113.76 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.38%
```
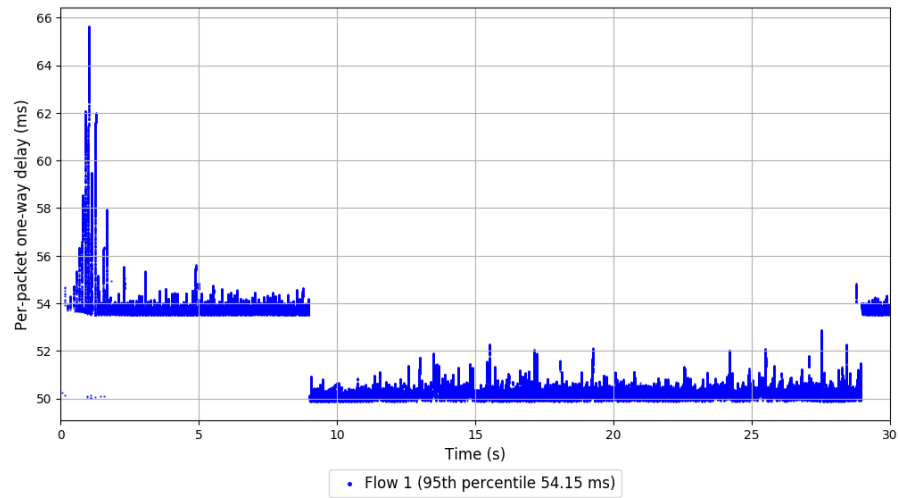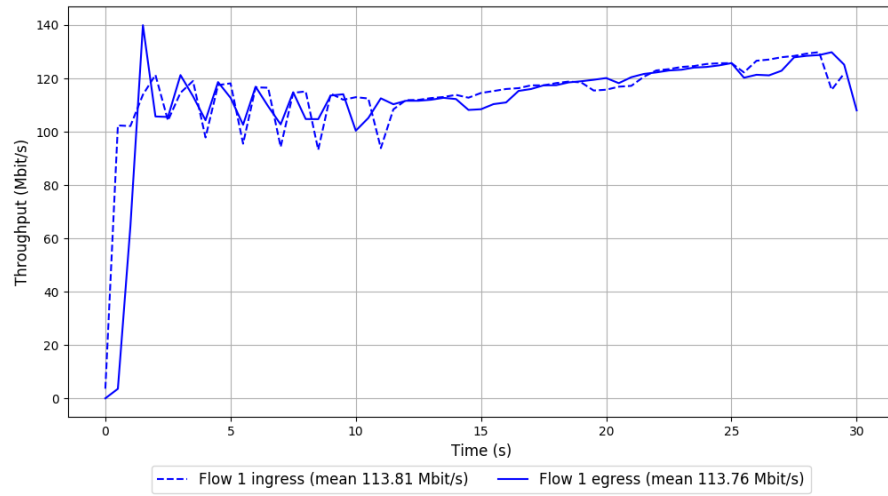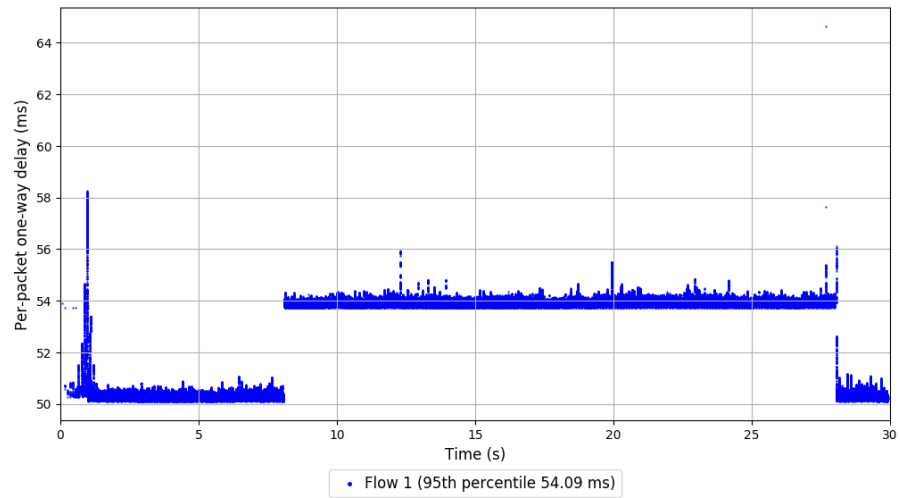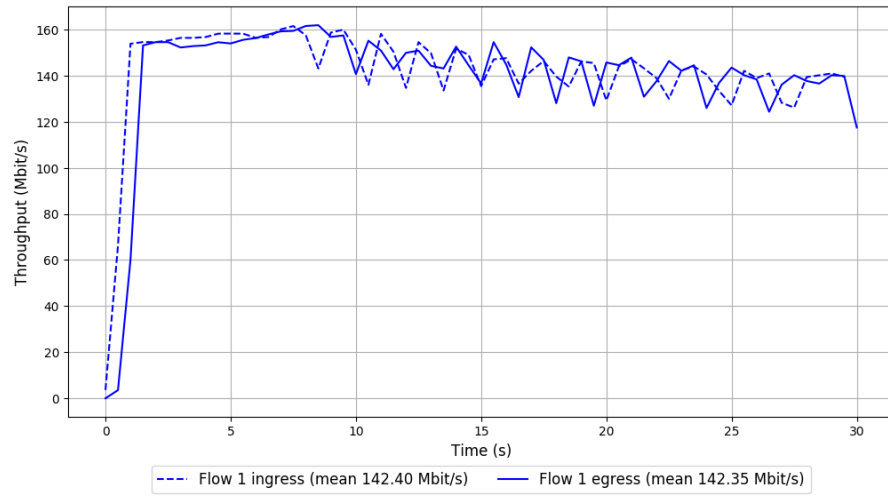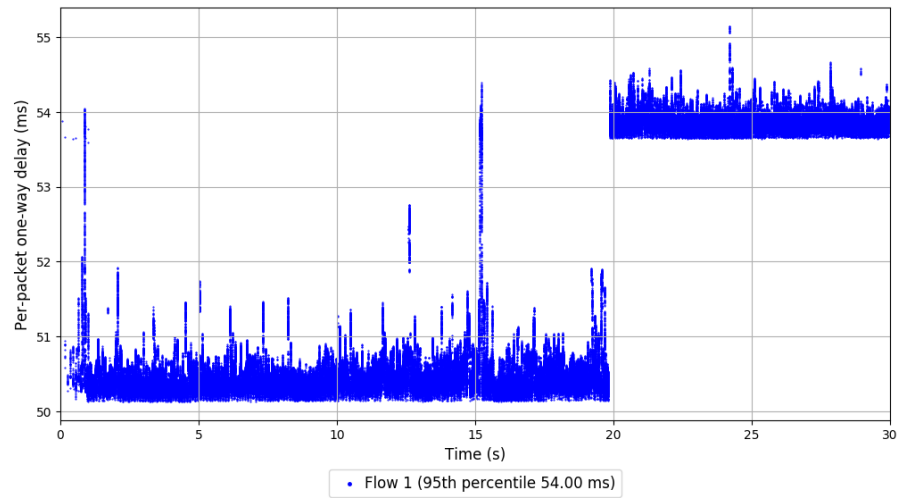
Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2018-08-03 21:21:14
End at: 2018-08-03 21:21:44
Local clock offset: 0.179 ms
Remote clock offset: -0.142 ms


# Below is generated by plot.py at 2018-08-04 00:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 142.35 Mbit/s
95th percentile per-packet one-way delay: 54.094 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 142.35 Mbit/s
95th percentile per-packet one-way delay: 54.094 ms
Loss rate: 0.33%
```

Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 142.40 Mbit/s)   Flow 1 egress (mean 142.35 Mbit/s)

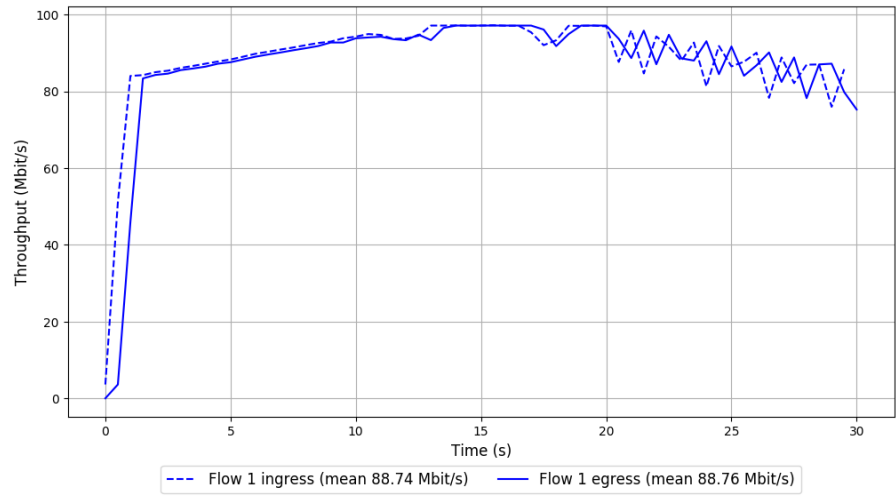

• Flow 1 (95th percentile 54.09 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2018-08-03 21:43:12
End at: 2018-08-03 21:43:42
Local clock offset: 0.015 ms
Remote clock offset: -0.222 ms


# Below is generated by plot.py at 2018-08-04 00:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 54.003 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 54.003 ms
Loss rate: 0.32%
```
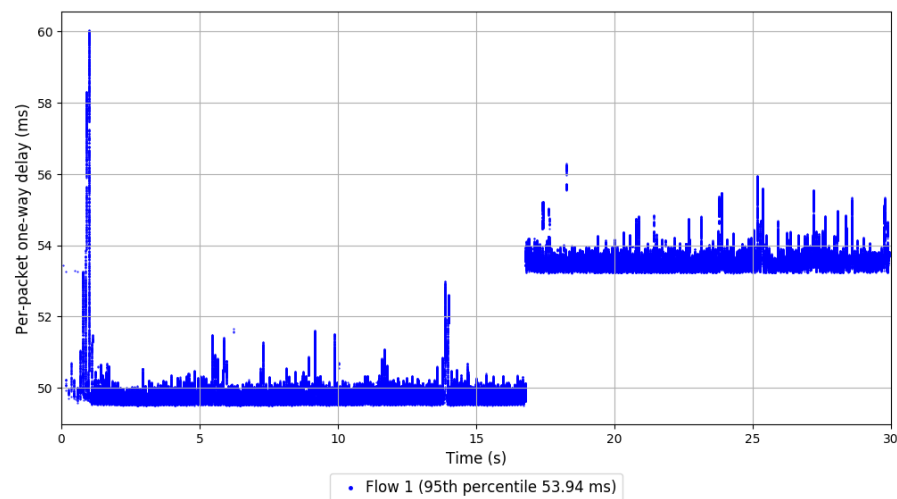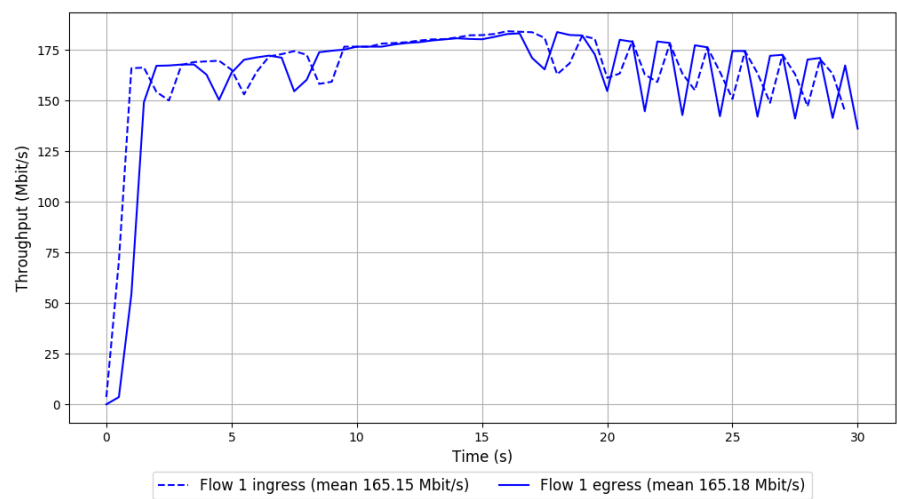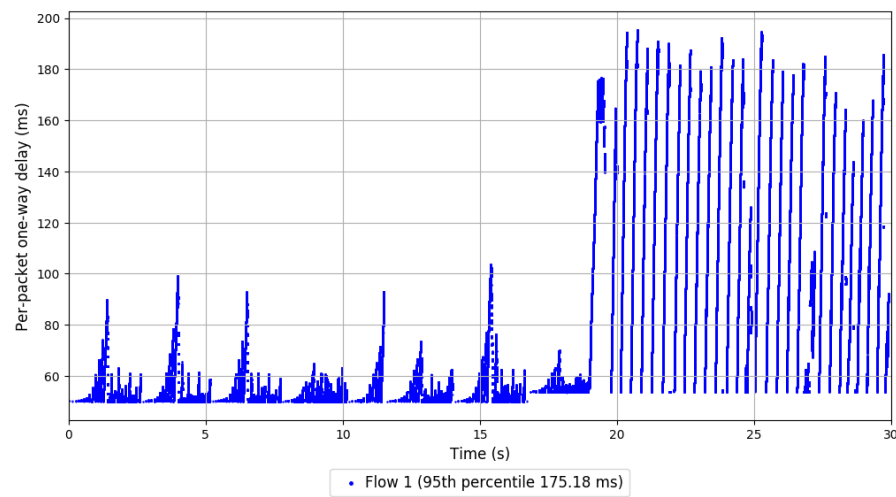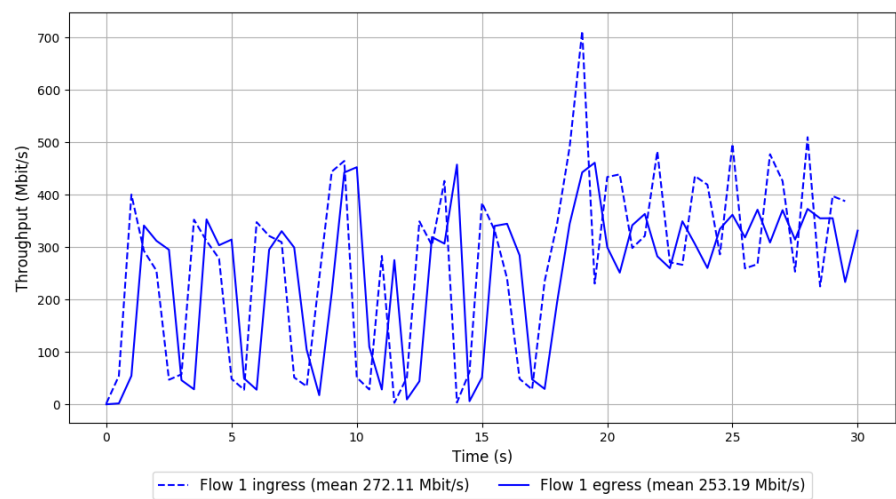
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 88.74 Mbit/s) ----   Flow 1 egress (mean 88.76 Mbit/s) ——

• Flow 1 (95th percentile 54.00 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2018-08-03 22:04:55
End at: 2018-08-03 22:05:25
Local clock offset: -0.074 ms
Remote clock offset: 0.132 ms


# Below is generated by plot.py at 2018-08-04 00:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 165.18 Mbit/s
95th percentile per-packet one-way delay: 53.942 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 165.18 Mbit/s
95th percentile per-packet one-way delay: 53.942 ms
Loss rate: 0.34%
```

Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 165.15 Mbit/s) — — — Flow 1 egress (mean 165.18 Mbit/s)
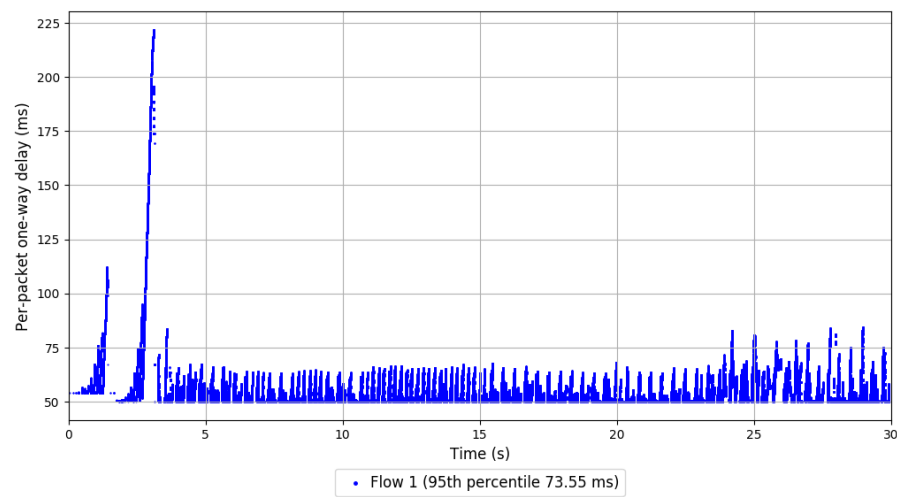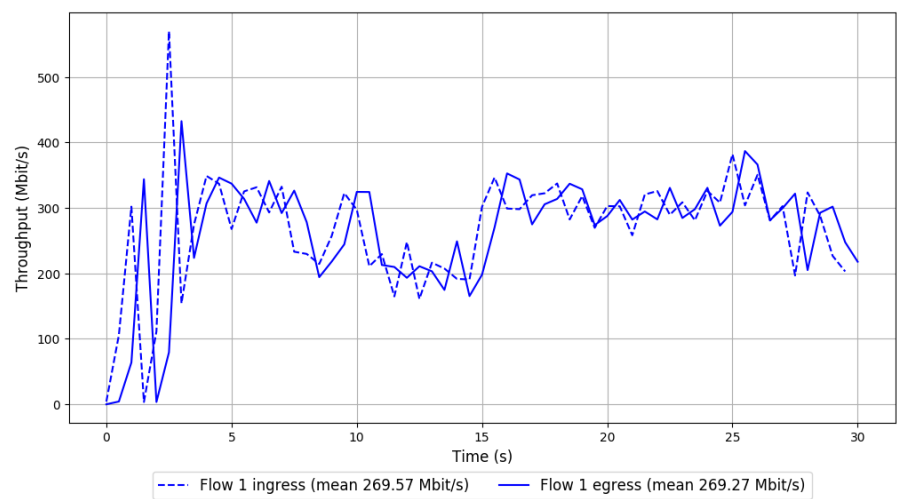

• Flow 1 (95th percentile 53.94 ms)

```
Run 1: Statistics of Verus

Start at: 2018-08-03 18:41:15
End at: 2018-08-03 18:41:45
Local clock offset: 0.029 ms
Remote clock offset: -0.029 ms


# Below is generated by plot.py at 2018-08-04 00:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 253.19 Mbit/s
95th percentile per-packet one-way delay: 175.178 ms
Loss rate: 7.25%
-- Flow 1:
Average throughput: 253.19 Mbit/s
95th percentile per-packet one-way delay: 175.178 ms
Loss rate: 7.25%
```
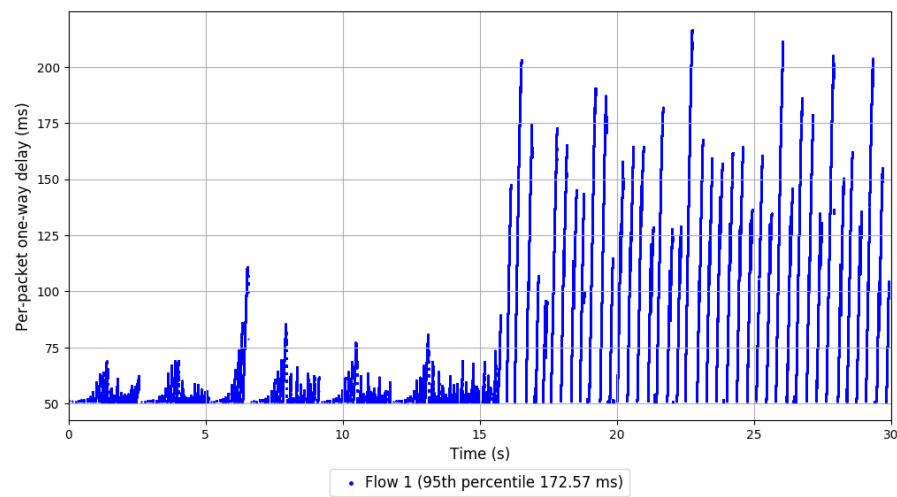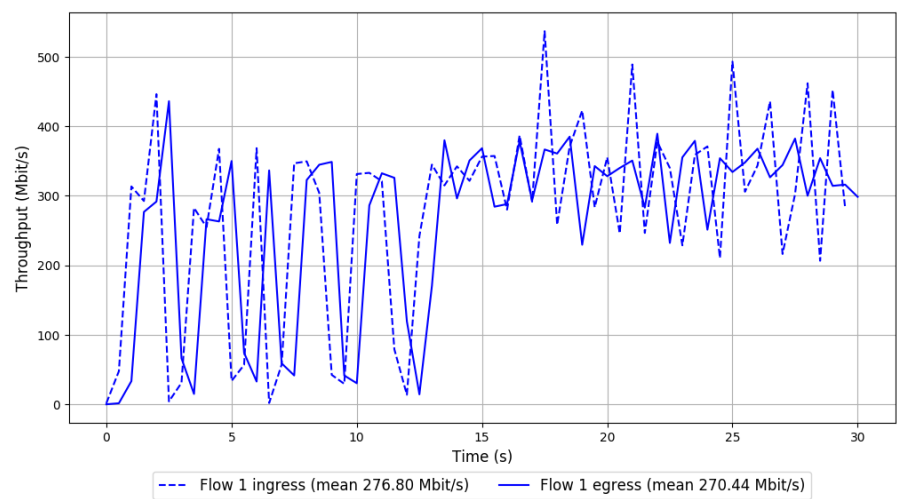
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2018-08-03 19:04:00
End at: 2018-08-03 19:04:30
Local clock offset: 0.022 ms
Remote clock offset: -0.154 ms


# Below is generated by plot.py at 2018-08-04 00:07:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.27 Mbit/s
95th percentile per-packet one-way delay: 73.553 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 269.27 Mbit/s
95th percentile per-packet one-way delay: 73.553 ms
Loss rate: 0.18%
```

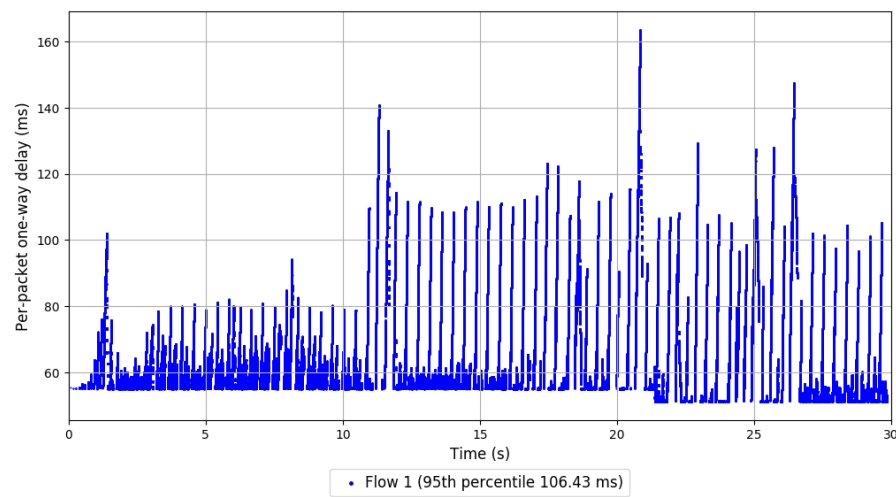Run 2: Report of Verus — Data Link

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```
Run 3: Statistics of Verus

Start at: 2018-08-03 19:26:27
End at: 2018-08-03 19:26:57
Local clock offset: -0.179 ms
Remote clock offset: -1.325 ms


# Below is generated by plot.py at 2018-08-04 00:08:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.44 Mbit/s
95th percentile per-packet one-way delay: 172.569 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 270.44 Mbit/s
95th percentile per-packet one-way delay: 172.569 ms
Loss rate: 2.35%
```
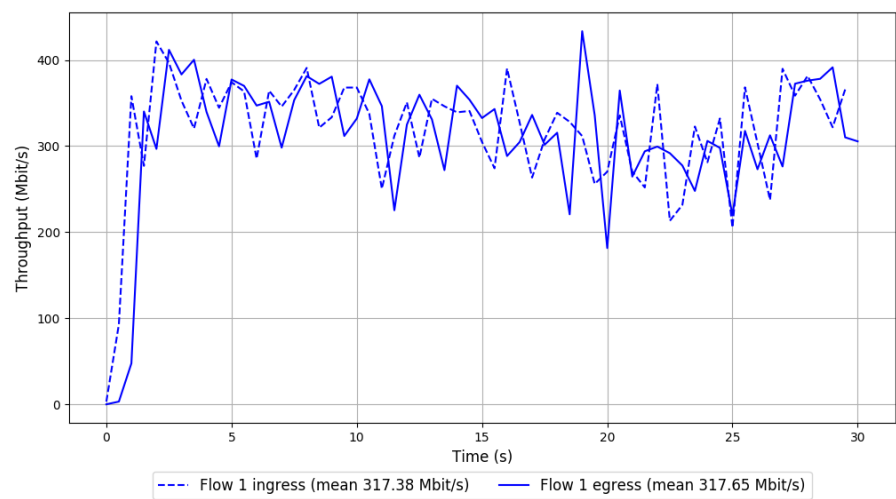
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2018-08-03 19:48:40
End at: 2018-08-03 19:49:10
Local clock offset: -0.024 ms
Remote clock offset: -1.494 ms


# Below is generated by plot.py at 2018-08-04 00:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 317.65 Mbit/s
95th percentile per-packet one-way delay: 106.433 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 317.65 Mbit/s
95th percentile per-packet one-way delay: 106.433 ms
Loss rate: 0.45%
```

Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2018-08-03 20:10:57
End at: 2018-08-03 20:11:27
Local clock offset: -0.046 ms
Remote clock offset: 0.061 ms


# Below is generated by plot.py at 2018-08-04 00:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 307.11 Mbit/s
95th percentile per-packet one-way delay: 100.754 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 307.11 Mbit/s
95th percentile per-packet one-way delay: 100.754 ms
Loss rate: 0.12%
```
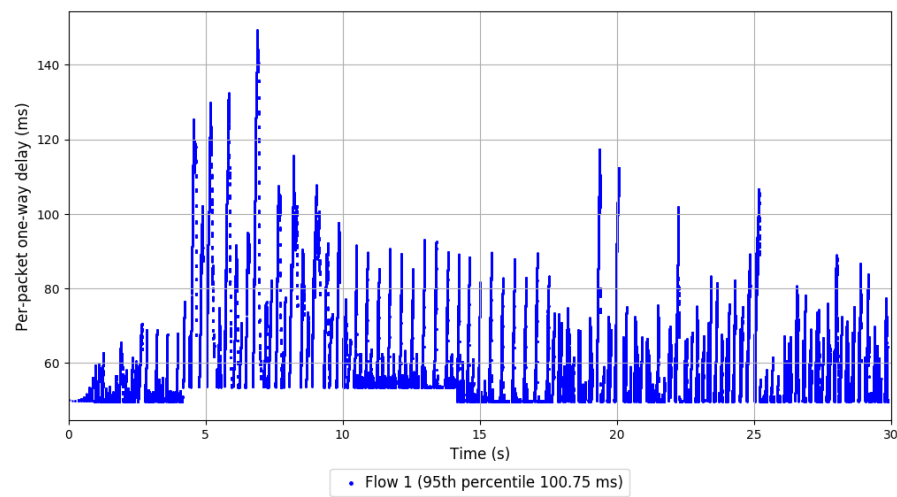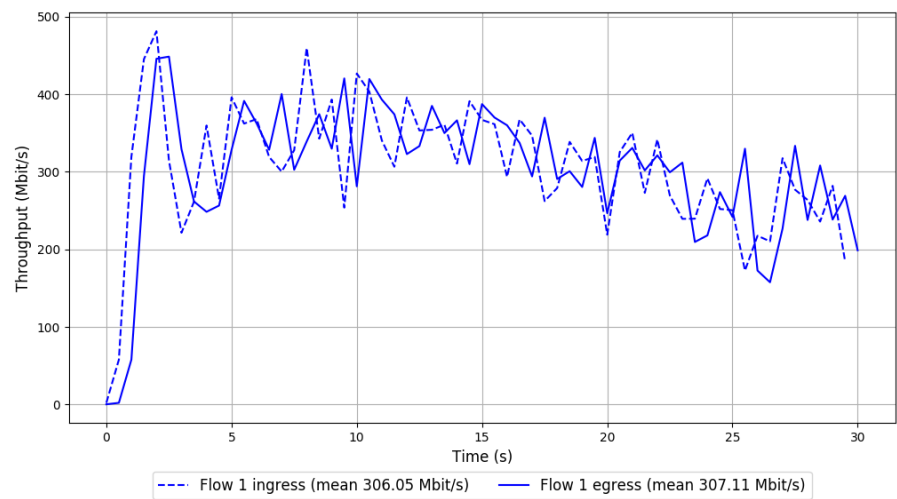
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2018-08-03 20:32:59
End at: 2018-08-03 20:33:29
Local clock offset: -0.007 ms
Remote clock offset: 0.207 ms


# Below is generated by plot.py at 2018-08-04 00:09:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 305.05 Mbit/s
95th percentile per-packet one-way delay: 75.720 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 305.05 Mbit/s
95th percentile per-packet one-way delay: 75.720 ms
Loss rate: 0.71%
```
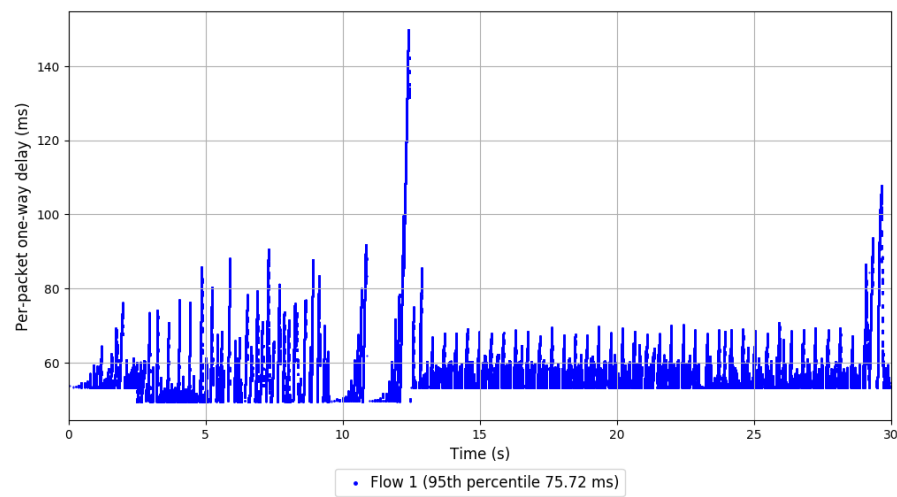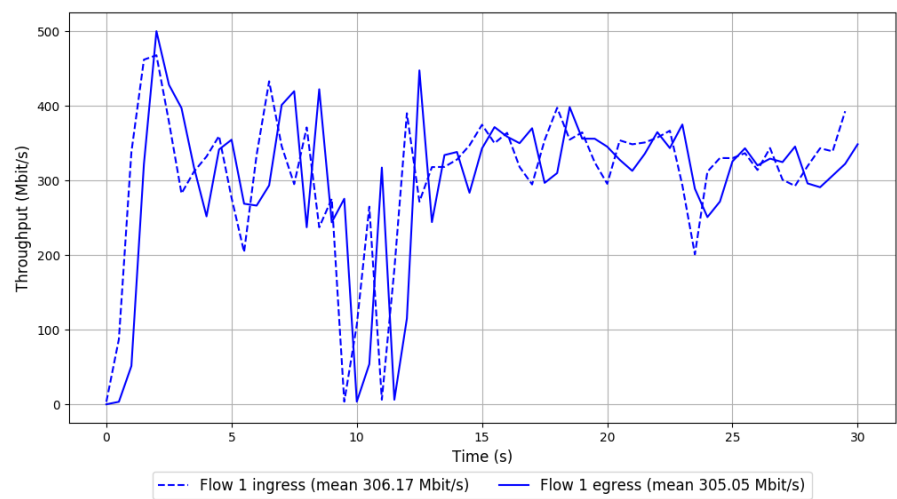
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2018-08-03 20:55:35
End at: 2018-08-03 20:56:05
Local clock offset: -0.149 ms
Remote clock offset: -0.37 ms


# Below is generated by plot.py at 2018-08-04 00:09:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 314.62 Mbit/s
95th percentile per-packet one-way delay: 117.771 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 314.62 Mbit/s
95th percentile per-packet one-way delay: 117.771 ms
Loss rate: 2.30%
```
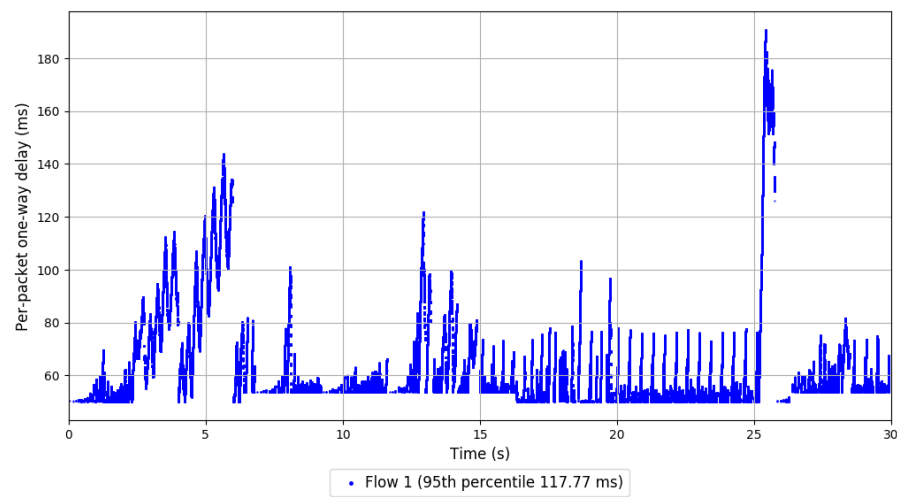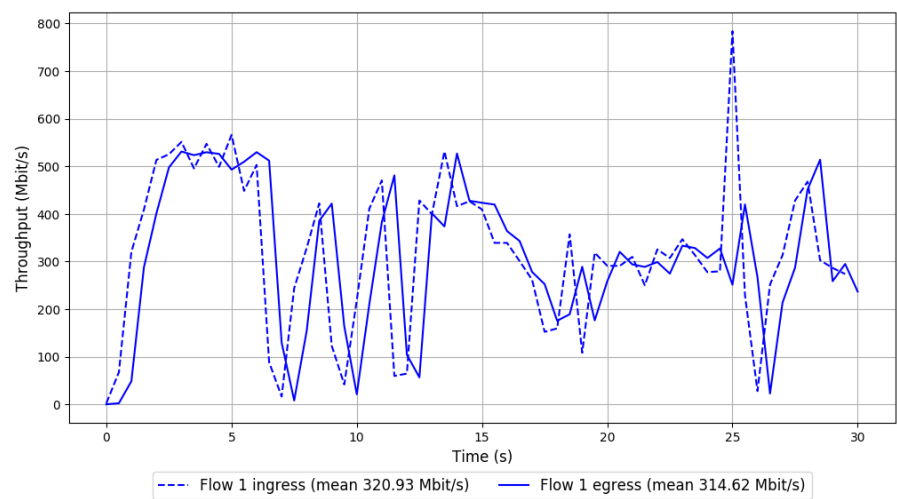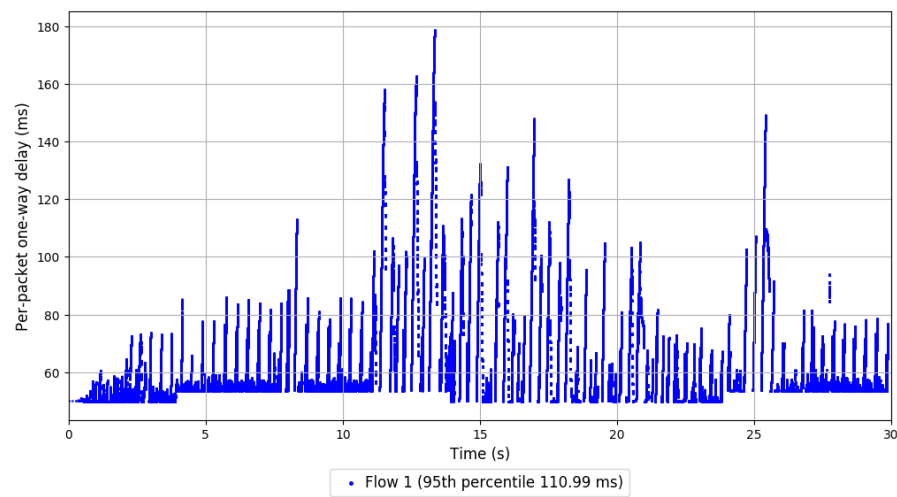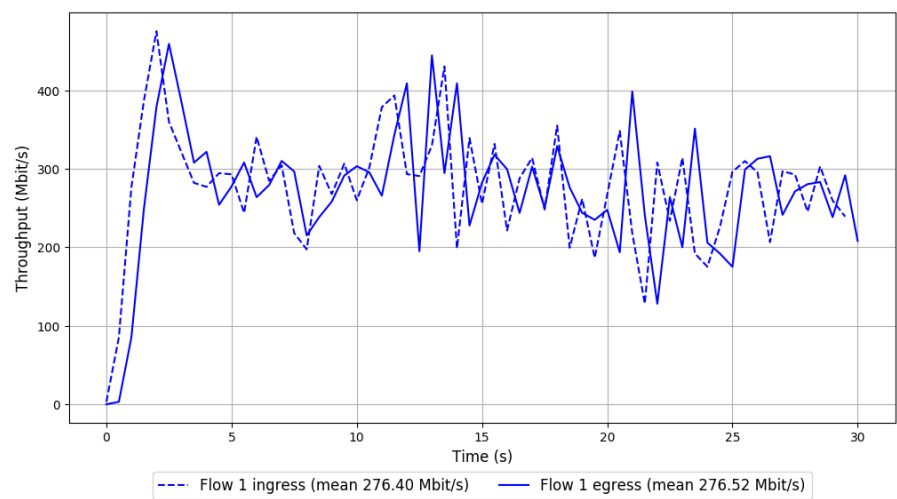
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2018-08-03 21:18:18
End at: 2018-08-03 21:18:48
Local clock offset: -0.092 ms
Remote clock offset: -0.128 ms


# Below is generated by plot.py at 2018-08-04 00:09:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 276.52 Mbit/s
95th percentile per-packet one-way delay: 110.991 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 276.52 Mbit/s
95th percentile per-packet one-way delay: 110.991 ms
Loss rate: 0.38%
```
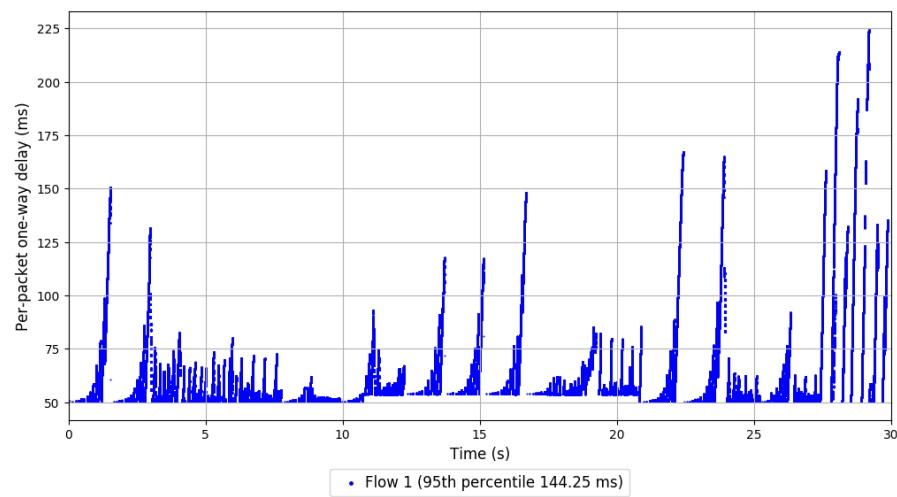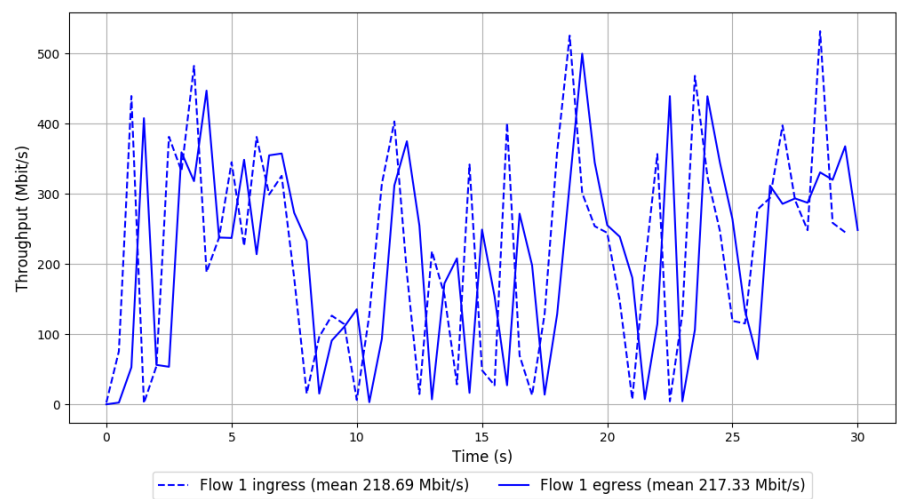
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2018-08-03 21:40:21
End at: 2018-08-03 21:40:51
Local clock offset: 0.049 ms
Remote clock offset: -0.303 ms


# Below is generated by plot.py at 2018-08-04 00:10:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.33 Mbit/s
95th percentile per-packet one-way delay: 144.249 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 217.33 Mbit/s
95th percentile per-packet one-way delay: 144.249 ms
Loss rate: 1.15%
```
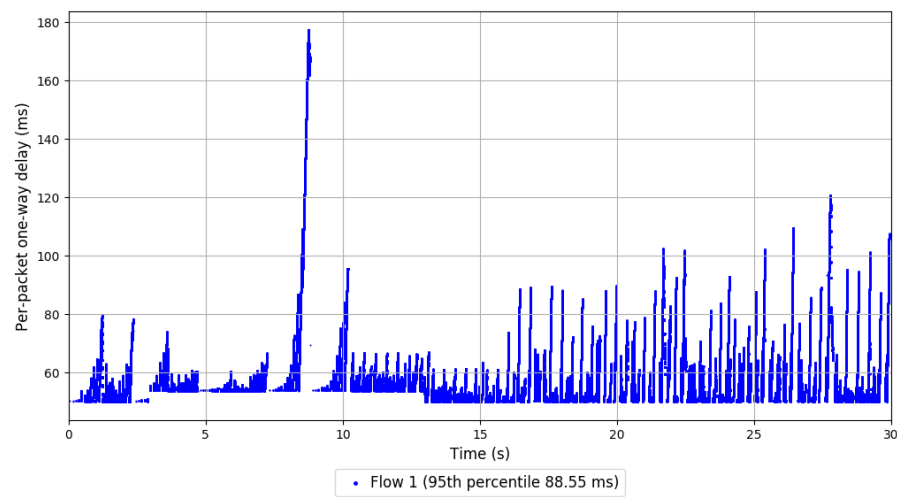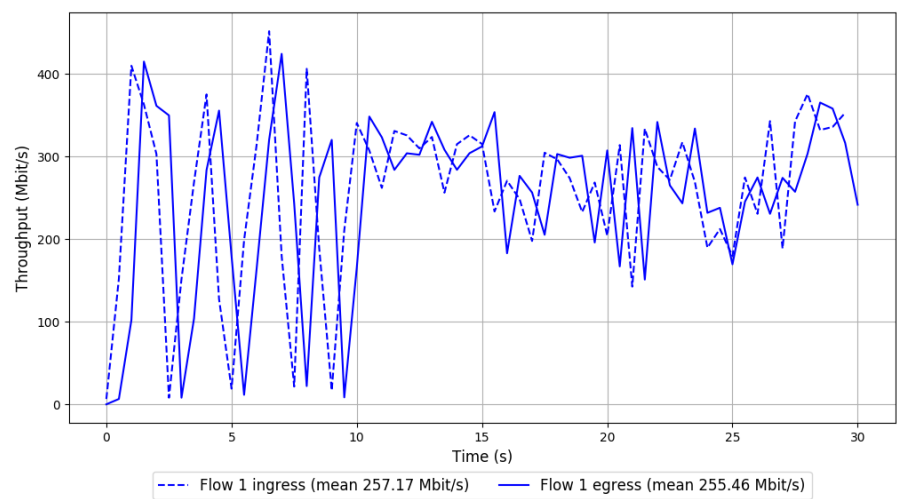
Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2018-08-03 22:02:09
End at: 2018-08-03 22:02:39
Local clock offset: 0.03 ms
Remote clock offset: -0.275 ms


# Below is generated by plot.py at 2018-08-04 00:11:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 255.46 Mbit/s
95th percentile per-packet one-way delay: 88.551 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 255.46 Mbit/s
95th percentile per-packet one-way delay: 88.551 ms
Loss rate: 1.00%
```

Run 10: Report of Verus — Data Link

```
Run 1: Statistics of PCC-Vivace

Start at: 2018-08-03 18:42:36
End at: 2018-08-03 18:43:06
Local clock offset: 0.225 ms
Remote clock offset: -0.088 ms


# Below is generated by plot.py at 2018-08-04 00:14:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 404.56 Mbit/s
95th percentile per-packet one-way delay: 109.136 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 404.56 Mbit/s
95th percentile per-packet one-way delay: 109.136 ms
Loss rate: 0.98%
```
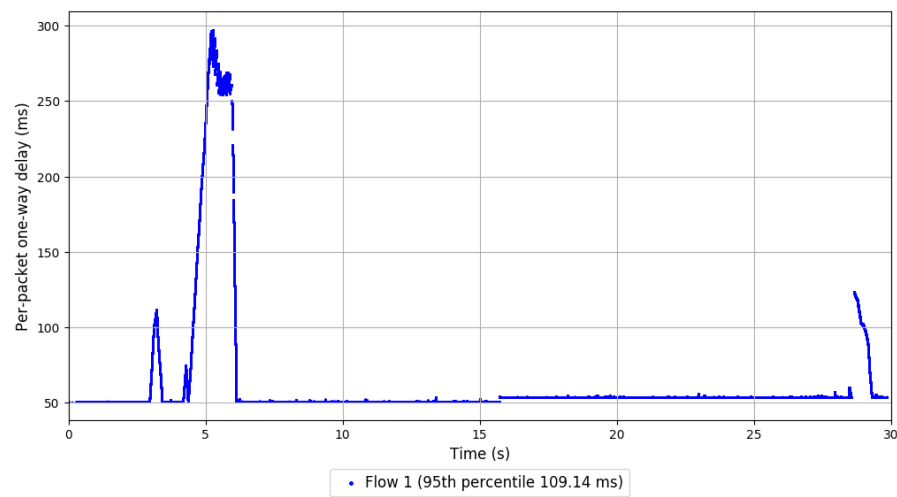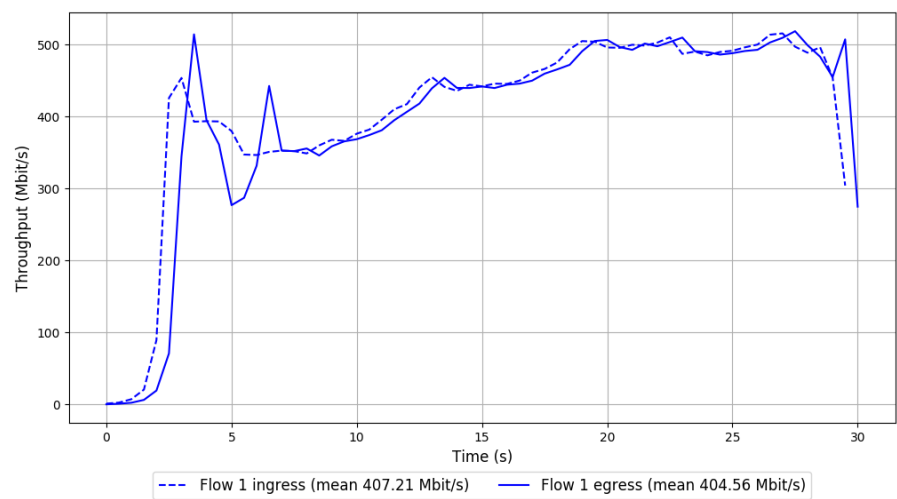
Run 1: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 407.21 Mbit/s)   Flow 1 egress (mean 404.56 Mbit/s)

Flow 1 (95th percentile 109.14 ms)

```
Run 2: Statistics of PCC-Vivace

Start at: 2018-08-03 19:05:21
End at: 2018-08-03 19:05:51
Local clock offset: 0.284 ms
Remote clock offset: -0.25 ms


# Below is generated by plot.py at 2018-08-04 00:15:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 418.79 Mbit/s
95th percentile per-packet one-way delay: 51.294 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 418.79 Mbit/s
95th percentile per-packet one-way delay: 51.294 ms
Loss rate: 0.35%
```
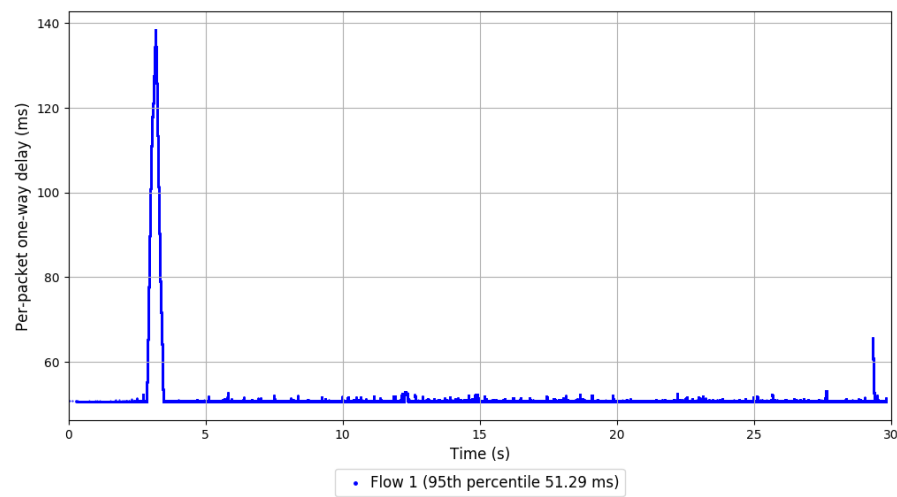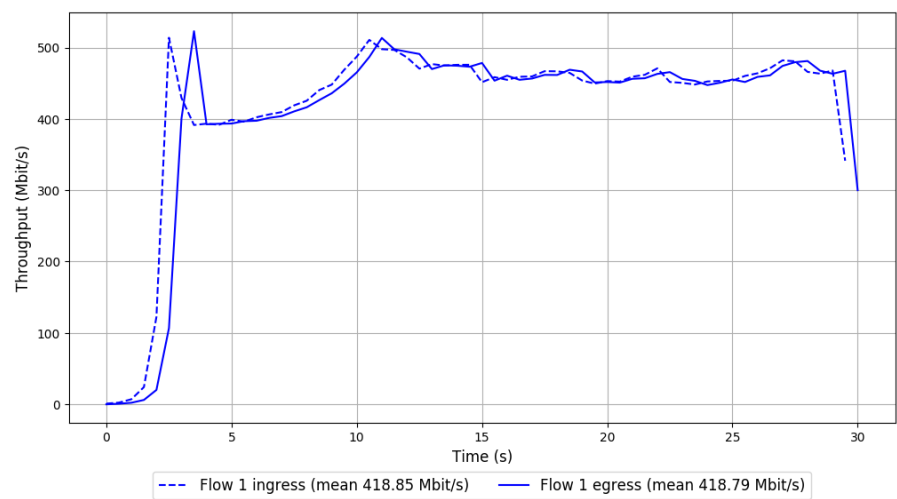
Run 2: Report of PCC-Vivace — Data Link

```
Run 3: Statistics of PCC-Vivace

Start at: 2018-08-03 19:27:48
End at: 2018-08-03 19:28:18
Local clock offset: -0.059 ms
Remote clock offset: -1.56 ms


# Below is generated by plot.py at 2018-08-04 00:16:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 434.48 Mbit/s
95th percentile per-packet one-way delay: 55.965 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 434.48 Mbit/s
95th percentile per-packet one-way delay: 55.965 ms
Loss rate: 0.40%
```
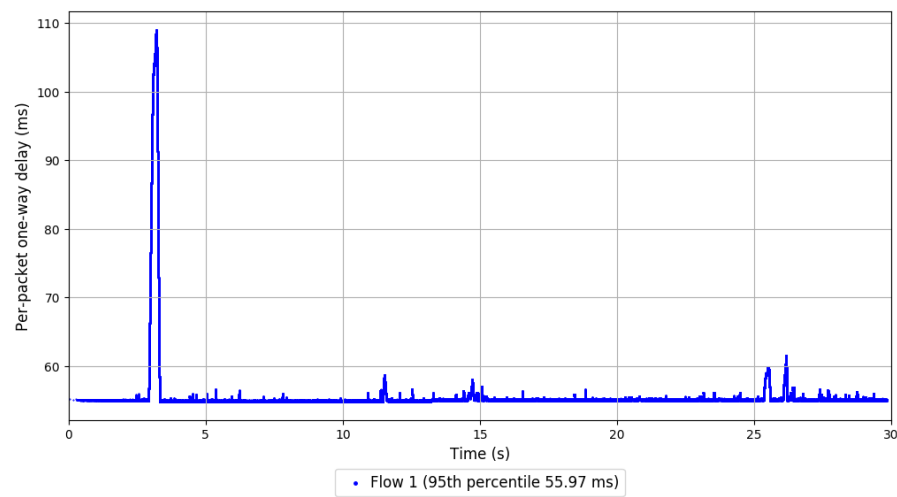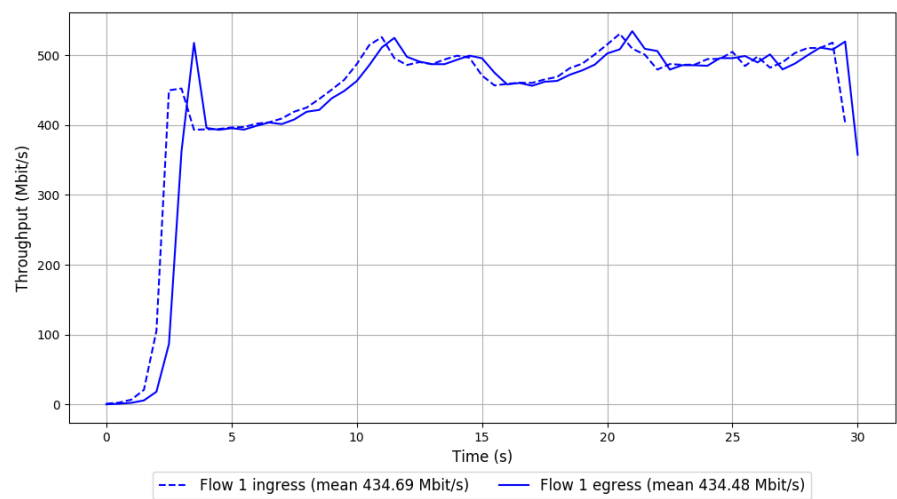
Run 3: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 434.69 Mbit/s)   Flow 1 egress (mean 434.48 Mbit/s)
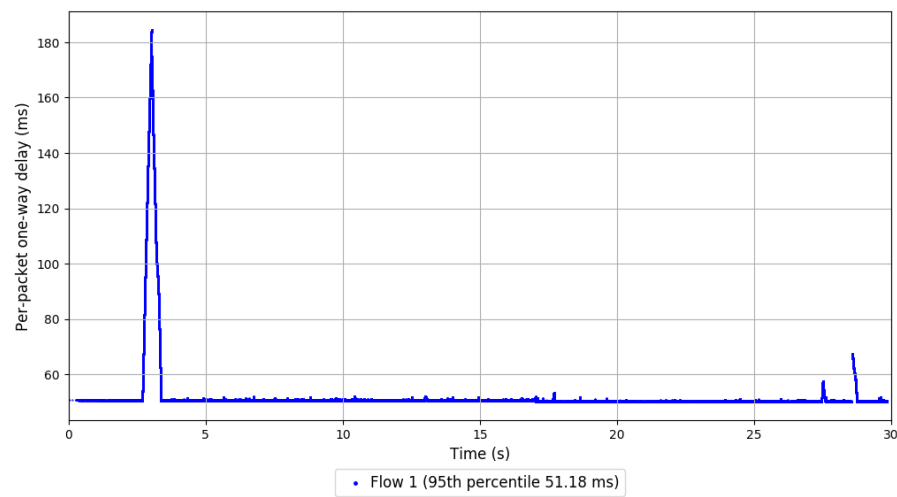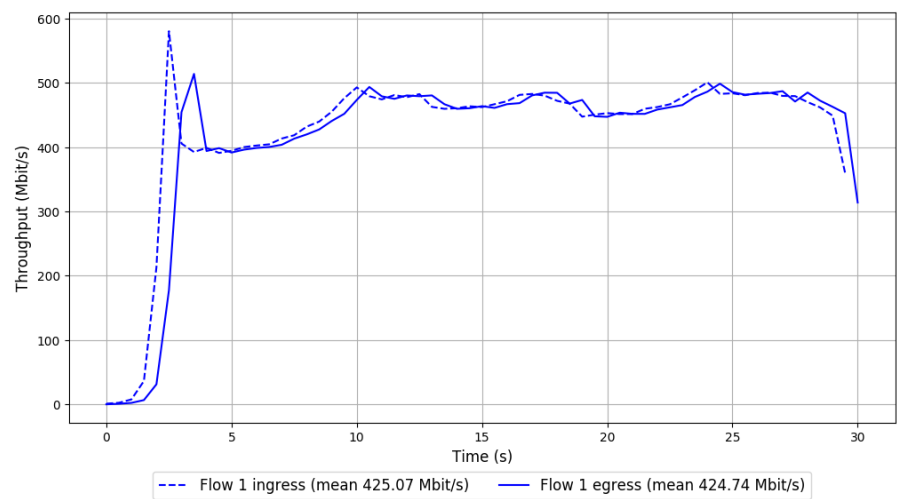

Flow 1 (95th percentile 55.97 ms)

```
Run 4: Statistics of PCC-Vivace

Start at: 2018-08-03 19:50:04
End at: 2018-08-03 19:50:35
Local clock offset: 0.212 ms
Remote clock offset: -0.128 ms


# Below is generated by plot.py at 2018-08-04 00:16:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 424.74 Mbit/s
95th percentile per-packet one-way delay: 51.177 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 424.74 Mbit/s
95th percentile per-packet one-way delay: 51.177 ms
Loss rate: 0.42%
```

Run 4: Report of PCC-Vivace — Data Link

```
Run 5: Statistics of PCC-Vivace

Start at: 2018-08-03 20:12:21
End at: 2018-08-03 20:12:51
Local clock offset: -0.137 ms
Remote clock offset: 0.963 ms


# Below is generated by plot.py at 2018-08-04 00:16:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 440.49 Mbit/s
95th percentile per-packet one-way delay: 53.216 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 440.49 Mbit/s
95th percentile per-packet one-way delay: 53.216 ms
Loss rate: 0.38%
```
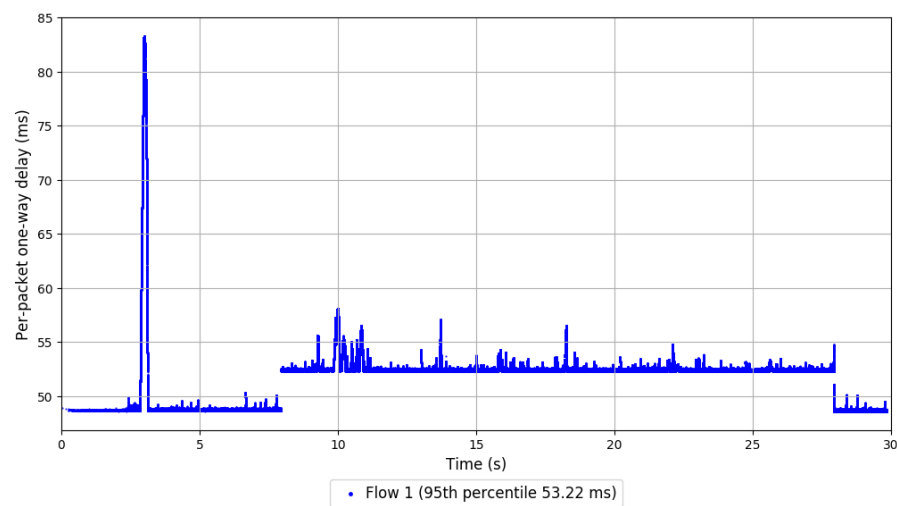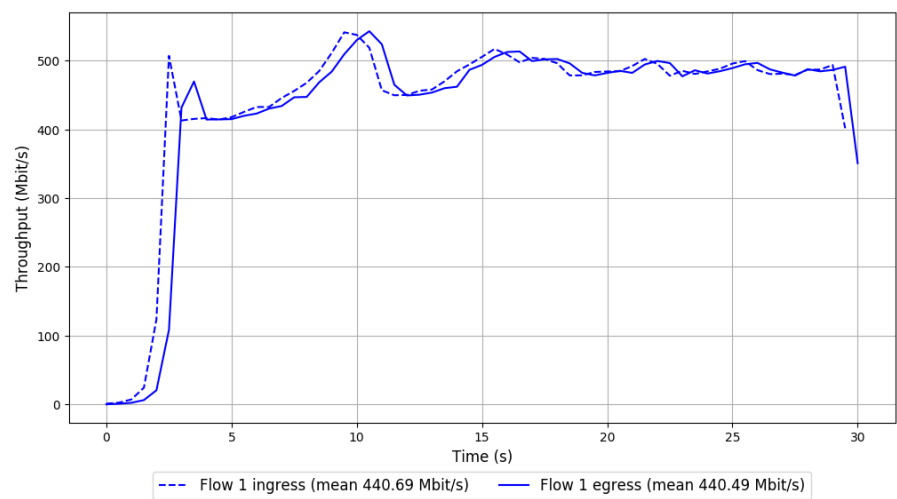
Run 5: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 440.69 Mbit/s) --- Flow 1 egress (mean 440.49 Mbit/s)
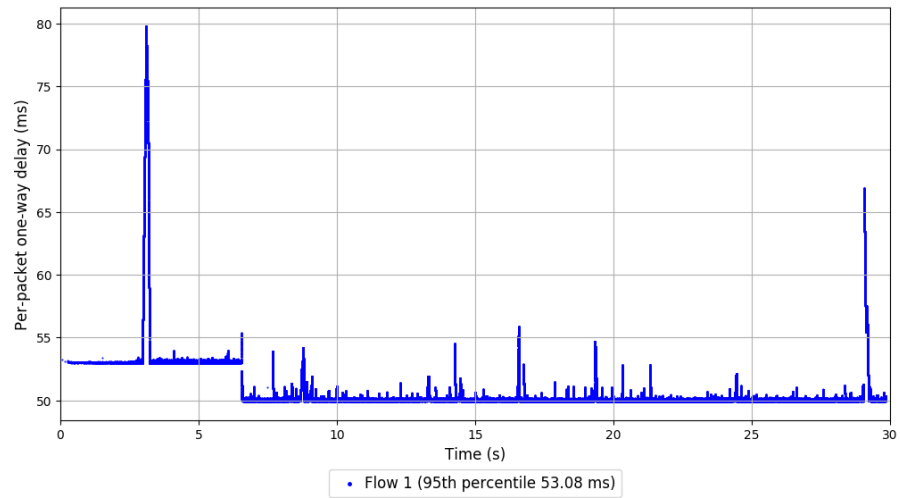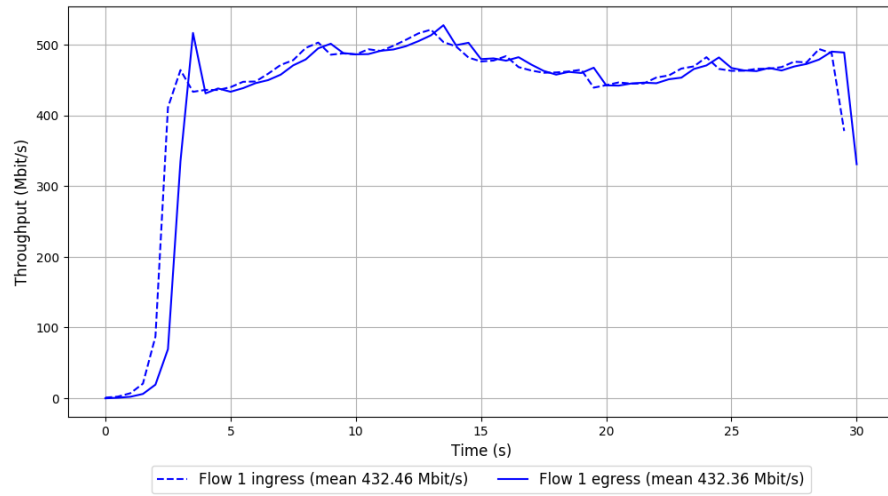

Flow 1 (95th percentile 53.22 ms)

```
Run 6: Statistics of PCC-Vivace

Start at: 2018-08-03 20:34:23
End at: 2018-08-03 20:34:53
Local clock offset: -0.017 ms
Remote clock offset: -0.178 ms


# Below is generated by plot.py at 2018-08-04 00:17:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 432.36 Mbit/s
95th percentile per-packet one-way delay: 53.079 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 432.36 Mbit/s
95th percentile per-packet one-way delay: 53.079 ms
Loss rate: 0.37%
```

Run 6: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 432.46 Mbit/s) --- Flow 1 egress (mean 432.36 Mbit/s)
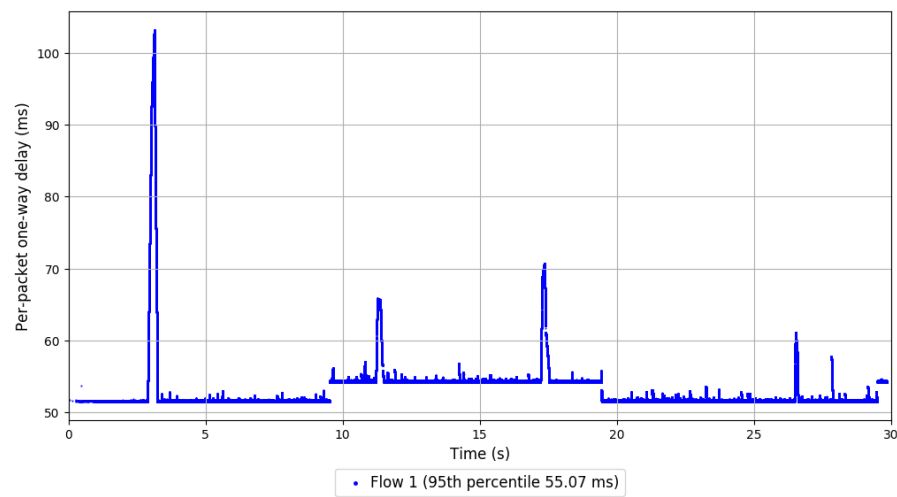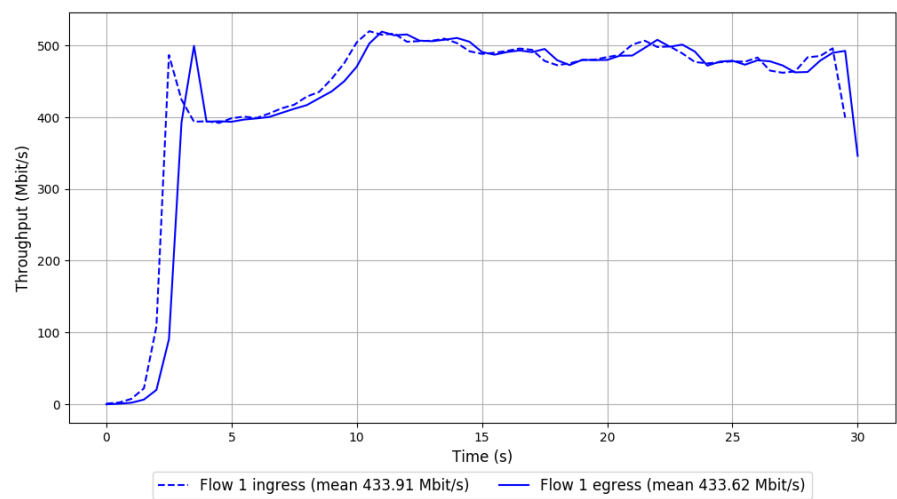

· Flow 1 (95th percentile 53.08 ms)

```
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-03 20:57:00
End at: 2018-08-03 20:57:30
Local clock offset: 0.022 ms
Remote clock offset: -1.437 ms


# Below is generated by plot.py at 2018-08-04 00:17:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 433.62 Mbit/s
95th percentile per-packet one-way delay: 55.074 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 433.62 Mbit/s
95th percentile per-packet one-way delay: 55.074 ms
Loss rate: 0.40%
```

Run 7: Report of PCC-Vivace — Data Link

```
Run 8: Statistics of PCC-Vivace

Start at: 2018-08-03 21:19:40
End at: 2018-08-03 21:20:10
Local clock offset: 0.241 ms
Remote clock offset: 1.33 ms


# Below is generated by plot.py at 2018-08-04 00:17:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 442.25 Mbit/s
95th percentile per-packet one-way delay: 53.615 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 442.25 Mbit/s
95th percentile per-packet one-way delay: 53.615 ms
Loss rate: 0.42%
```
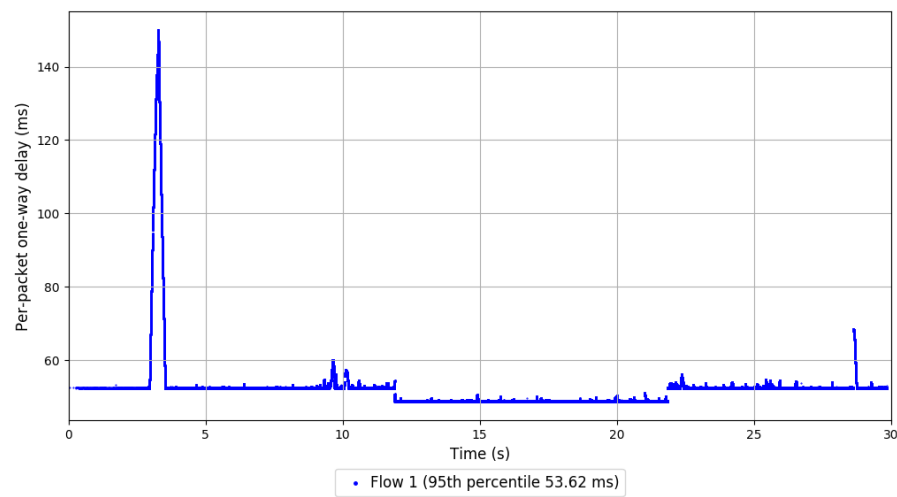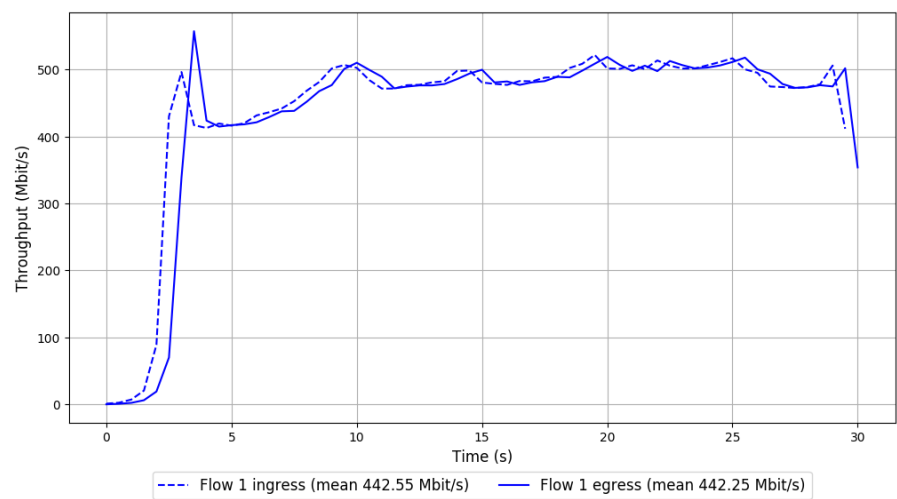
Run 8: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 442.55 Mbit/s)   Flow 1 egress (mean 442.25 Mbit/s)
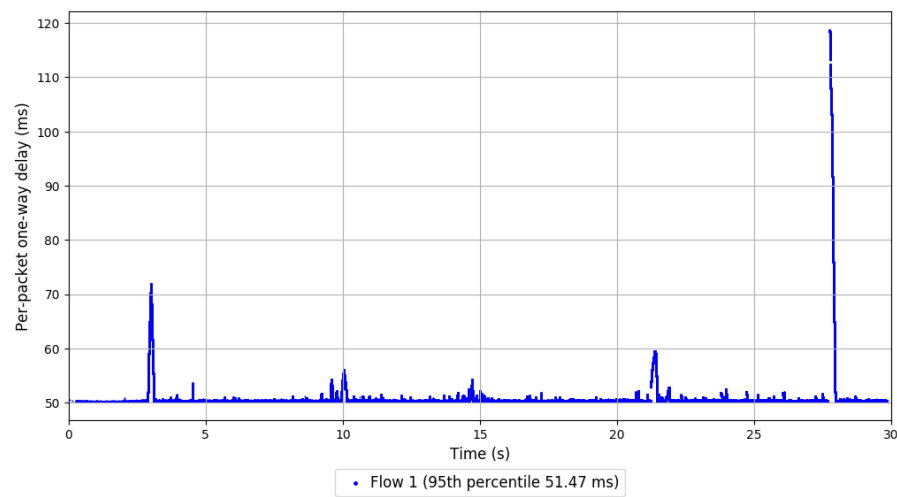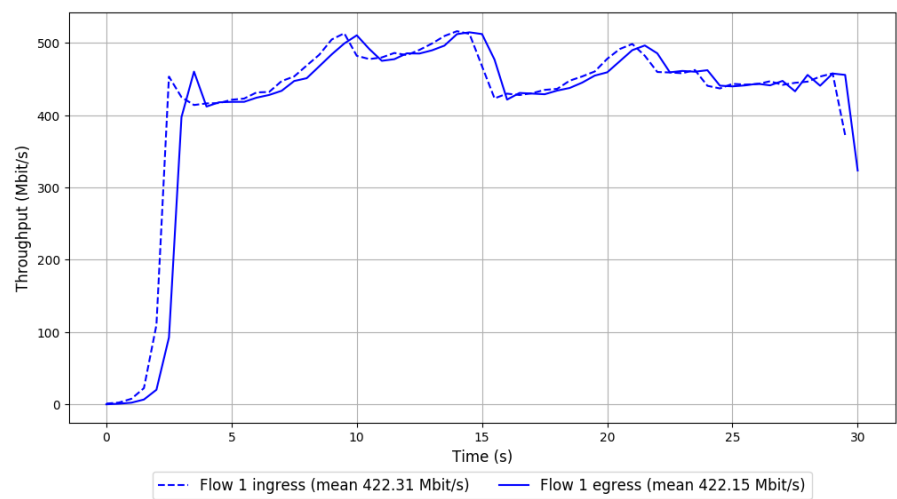

Flow 1 (95th percentile 53.62 ms)

```
Run 9: Statistics of PCC-Vivace

Start at: 2018-08-03 21:41:40
End at: 2018-08-03 21:42:10
Local clock offset: -0.138 ms
Remote clock offset: -0.486 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 422.15 Mbit/s
95th percentile per-packet one-way delay: 51.466 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 422.15 Mbit/s
95th percentile per-packet one-way delay: 51.466 ms
Loss rate: 0.38%
```

Run 9: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 422.31 Mbit/s)   Flow 1 egress (mean 422.15 Mbit/s)

Flow 1 (95th percentile 51.47 ms)

```
Run 10: Statistics of PCC-Vivace

Start at: 2018-08-03 22:03:29
End at: 2018-08-03 22:03:59
Local clock offset: 0.227 ms
Remote clock offset: -0.471 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 312.43 Mbit/s
95th percentile per-packet one-way delay: 54.067 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 312.43 Mbit/s
95th percentile per-packet one-way delay: 54.067 ms
Loss rate: 0.49%
```
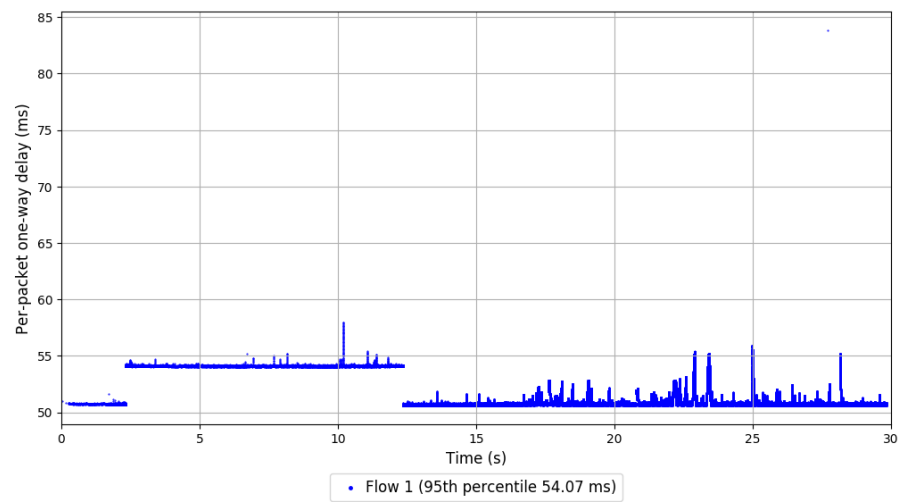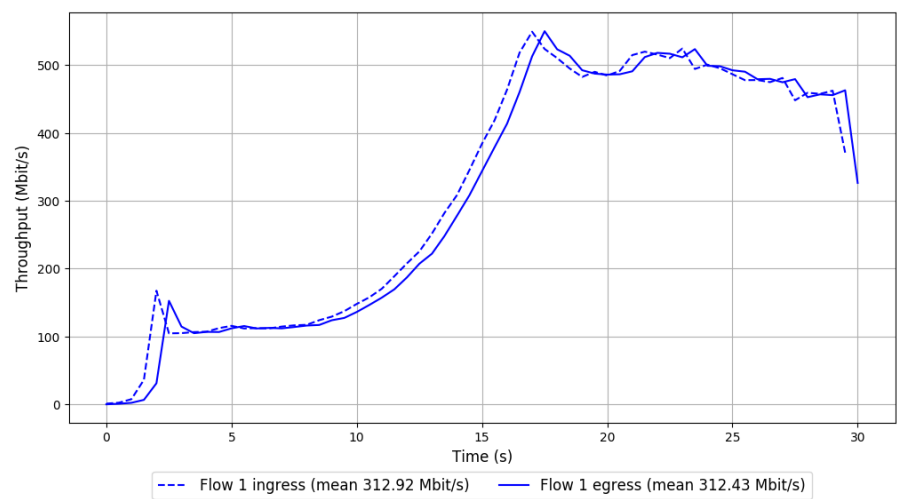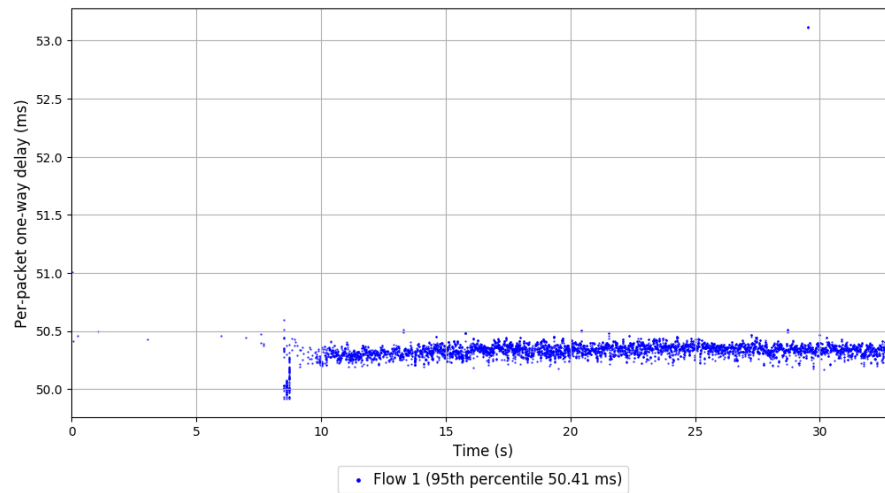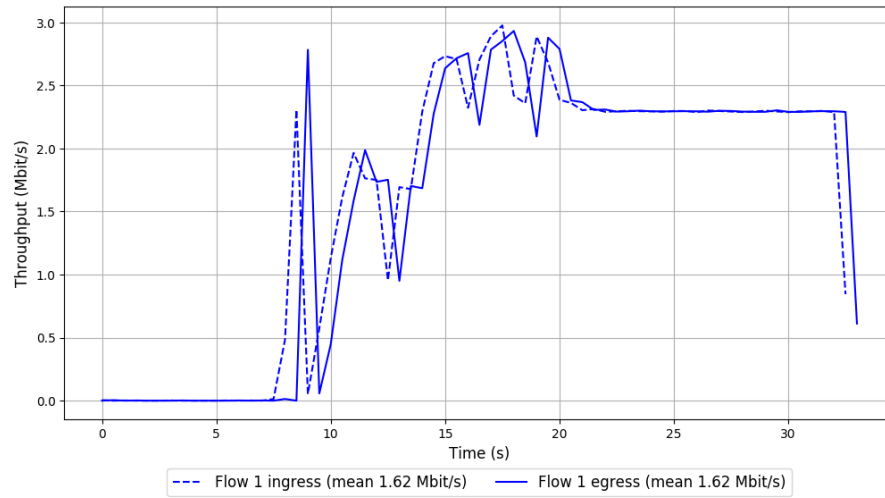
Run 10: Report of PCC-Vivace — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2018-08-03 18:36:33
End at: 2018-08-03 18:37:03
Local clock offset: 0.021 ms
Remote clock offset: 0.012 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 50.407 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 50.407 ms
Loss rate: 0.44%
```
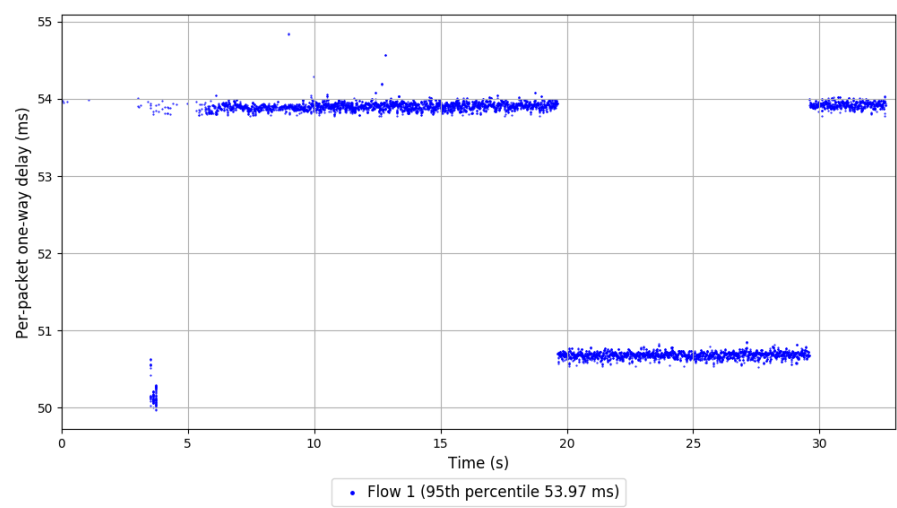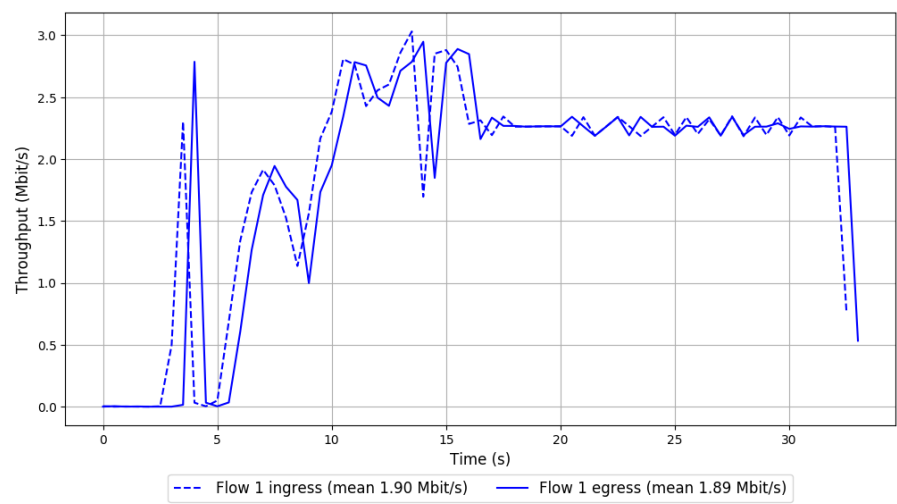
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2018-08-03 18:58:52
End at: 2018-08-03 18:59:23
Local clock offset: 0.151 ms
Remote clock offset: -0.072 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.966 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.966 ms
Loss rate: 0.43%
```

Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.90 Mbit/s)   Flow 1 egress (mean 1.89 Mbit/s)

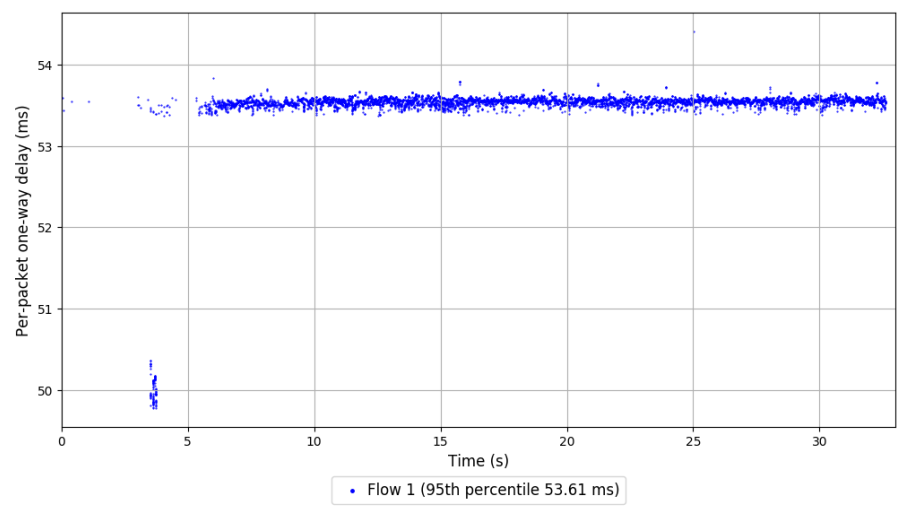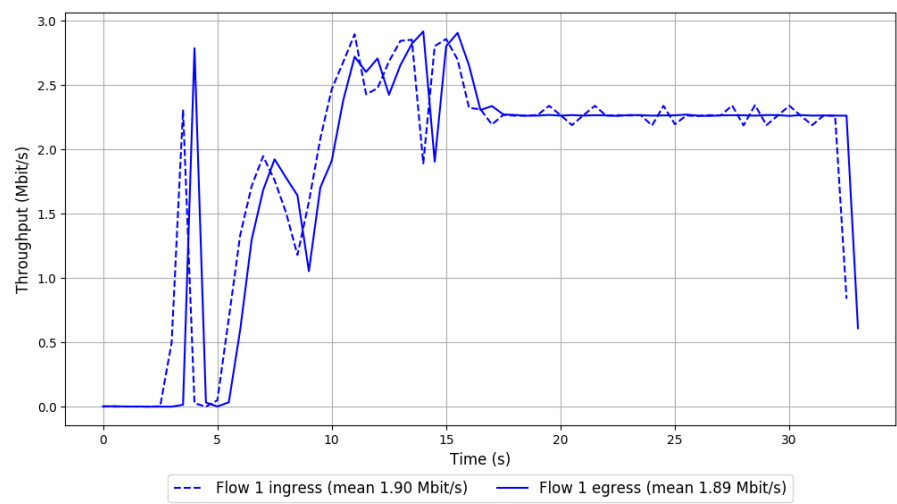
• Flow 1 (95th percentile 53.97 ms)

```
Run 3: Statistics of WebRTC media

Start at: 2018-08-03 19:21:29
End at: 2018-08-03 19:21:59
Local clock offset: -0.159 ms
Remote clock offset: -0.198 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.609 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.609 ms
Loss rate: 0.37%
```

Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.90 Mbit/s)   Flow 1 egress (mean 1.89 Mbit/s)

Flow 1 (95th percentile 53.61 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2018-08-03 19:43:46
End at: 2018-08-03 19:44:17
Local clock offset: 0.132 ms
Remote clock offset: 0.026 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.809 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.809 ms
Loss rate: 0.41%
```
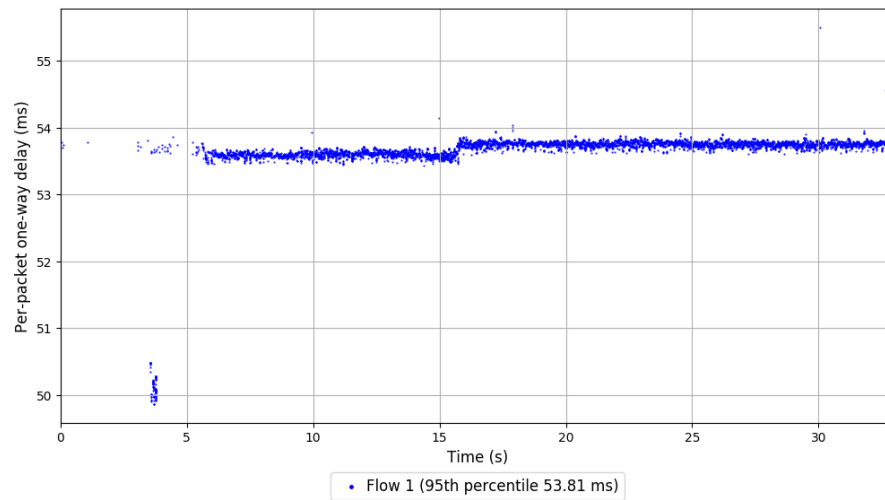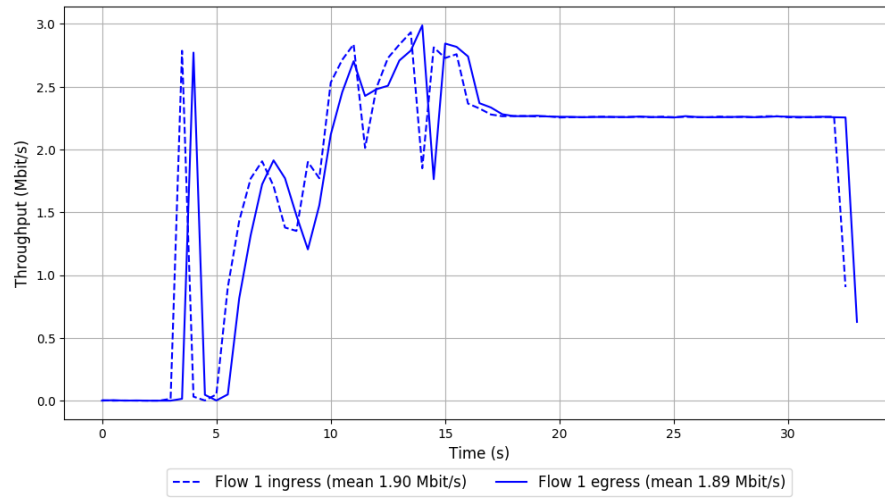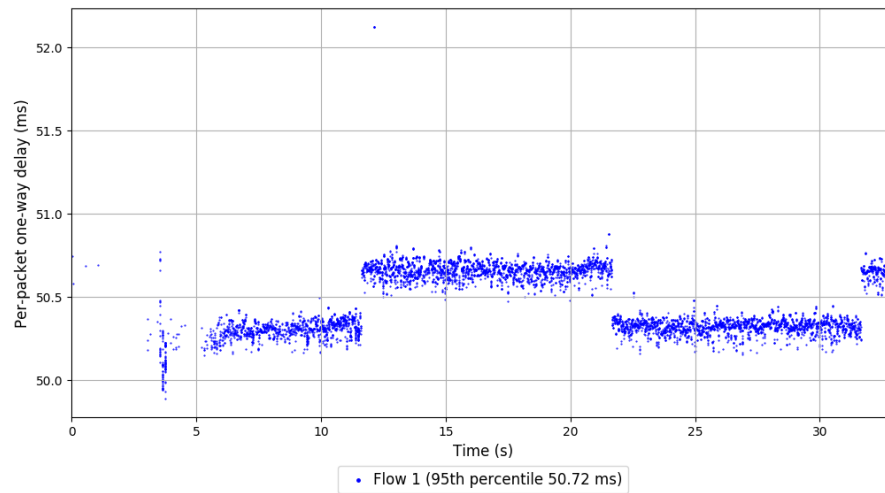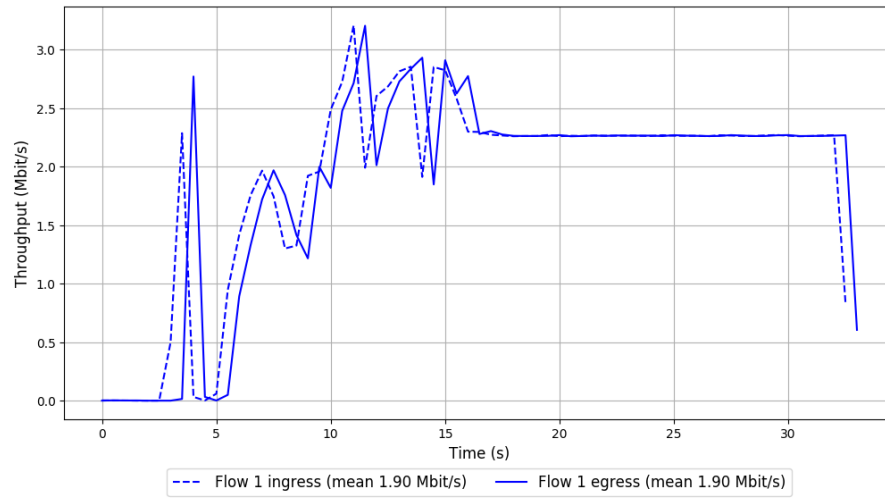
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2018-08-03 20:06:03
End at: 2018-08-03 20:06:33
Local clock offset: -0.054 ms
Remote clock offset: -0.168 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 50.716 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 50.716 ms
Loss rate: 0.36%
```

Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2018-08-03 20:28:07
End at: 2018-08-03 20:28:37
Local clock offset: -0.116 ms
Remote clock offset: 1.145 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 51.811 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 51.811 ms
Loss rate: 0.37%
```
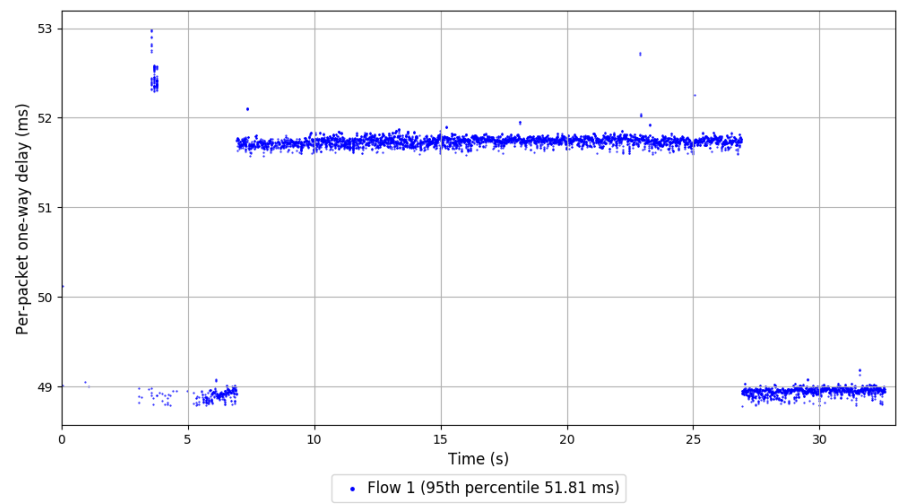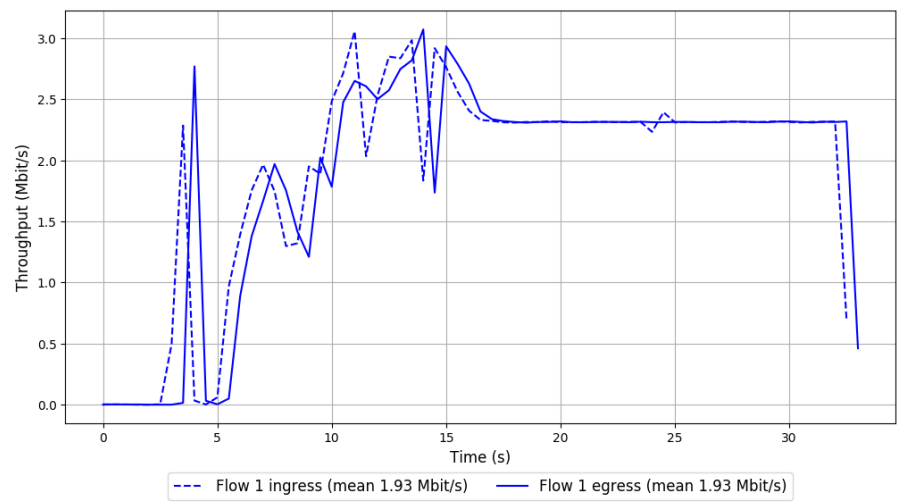
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2018-08-03 20:50:44
End at: 2018-08-03 20:51:14
Local clock offset: -0.108 ms
Remote clock offset: 1.186 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 49.447 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 49.447 ms
Loss rate: 0.36%
```
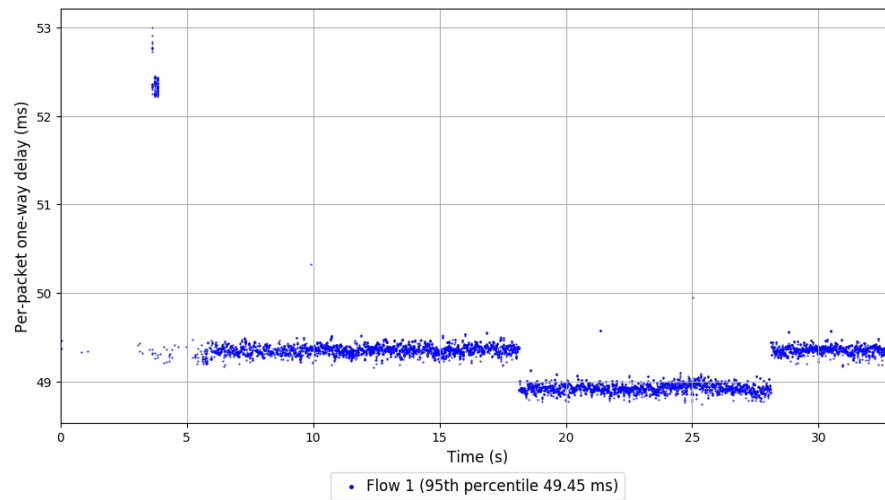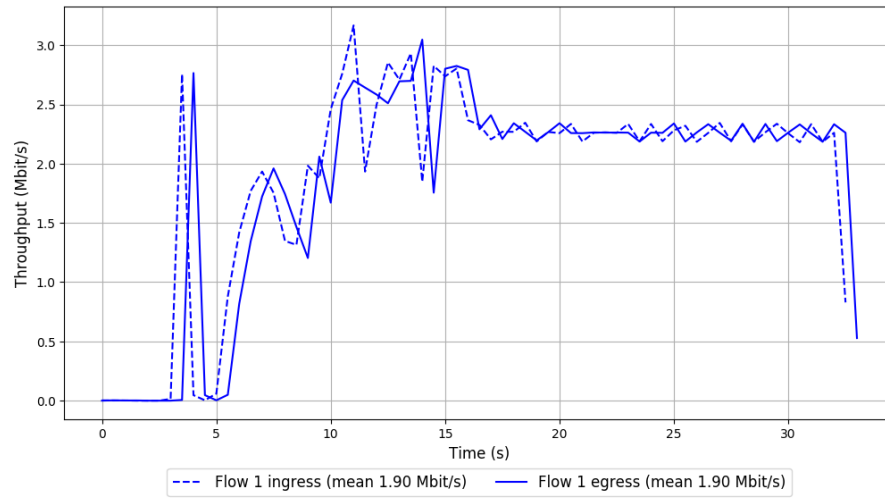
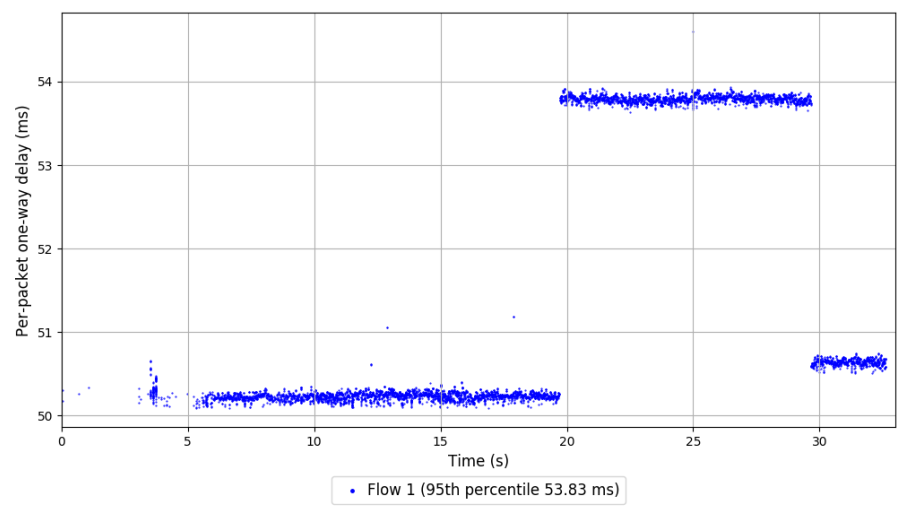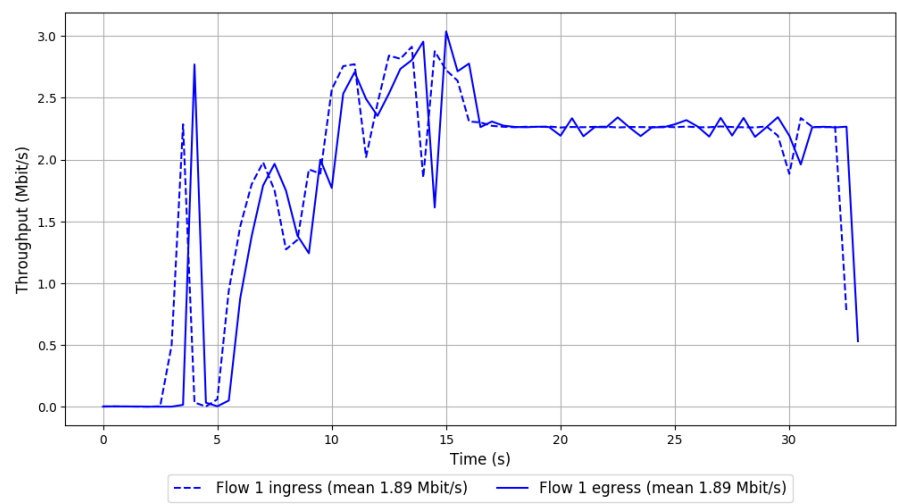## Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2018-08-03 21:13:13
End at: 2018-08-03 21:13:43
Local clock offset: -0.064 ms
Remote clock offset: -0.372 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.833 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.833 ms
Loss rate: 0.37%
```

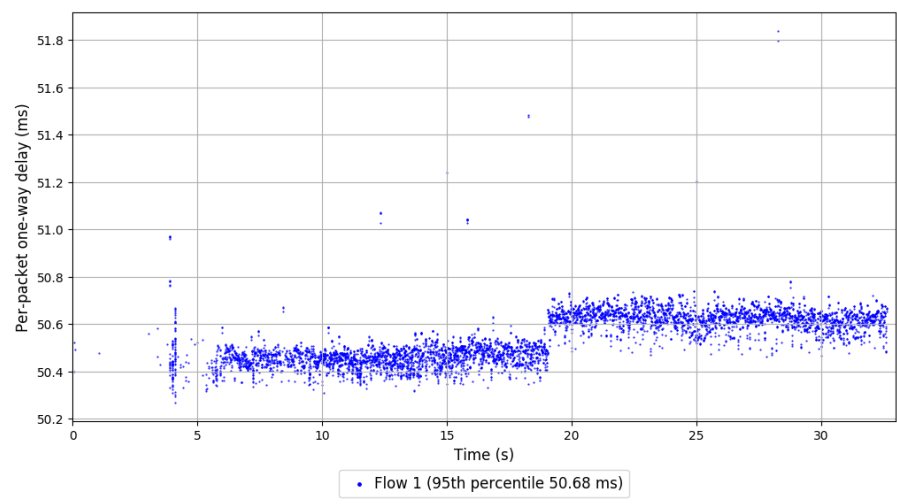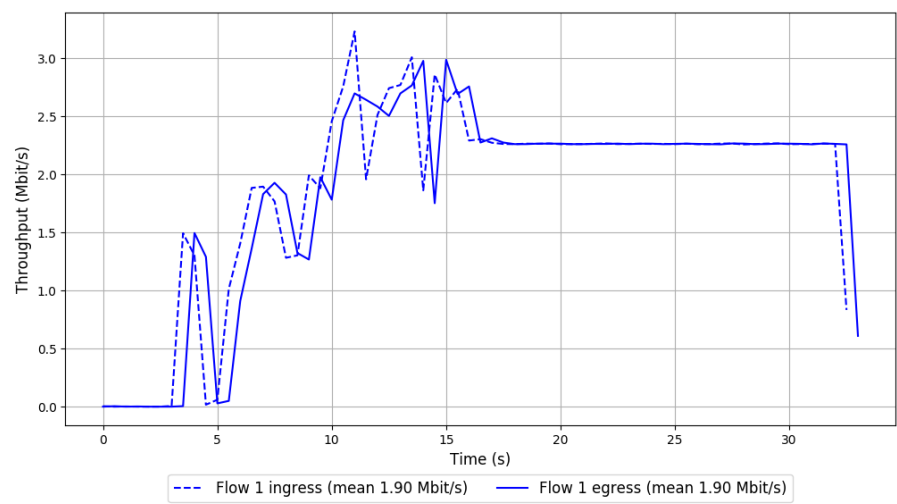## Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2018-08-03 21:35:23
End at: 2018-08-03 21:35:53
Local clock offset: -0.065 ms
Remote clock offset: -0.372 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 50.679 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 50.679 ms
Loss rate: 0.36%
```

Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2018-08-03 21:57:23
End at: 2018-08-03 21:57:53
Local clock offset: 0.041 ms
Remote clock offset: -1.347 ms


# Below is generated by plot.py at 2018-08-04 00:18:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 54.585 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 54.585 ms
Loss rate: 0.37%
```

Run 10: Report of WebRTC media — Data Link