Pantheon Report

Generated at 2019-11-24 01:16:07 (UTC).

Data path: AWS India 2 on `ens5` (*local*) →Saudi Arabia on `enp2s0` (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.
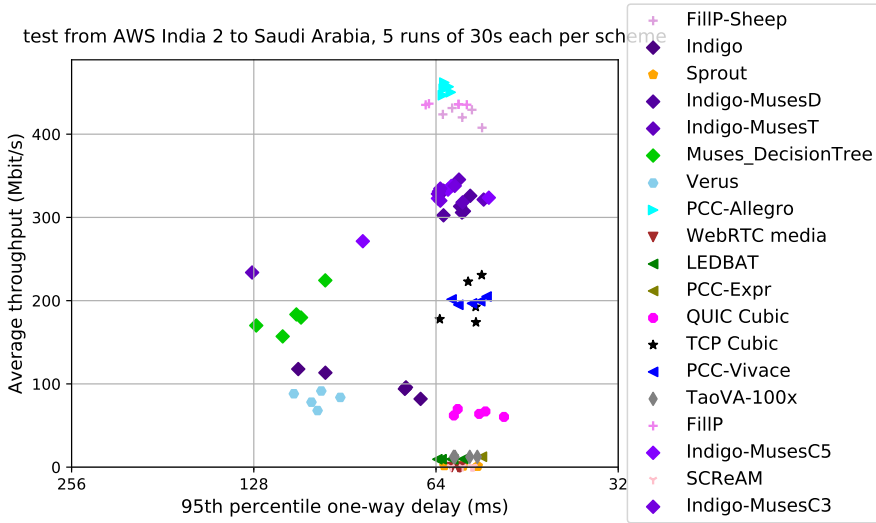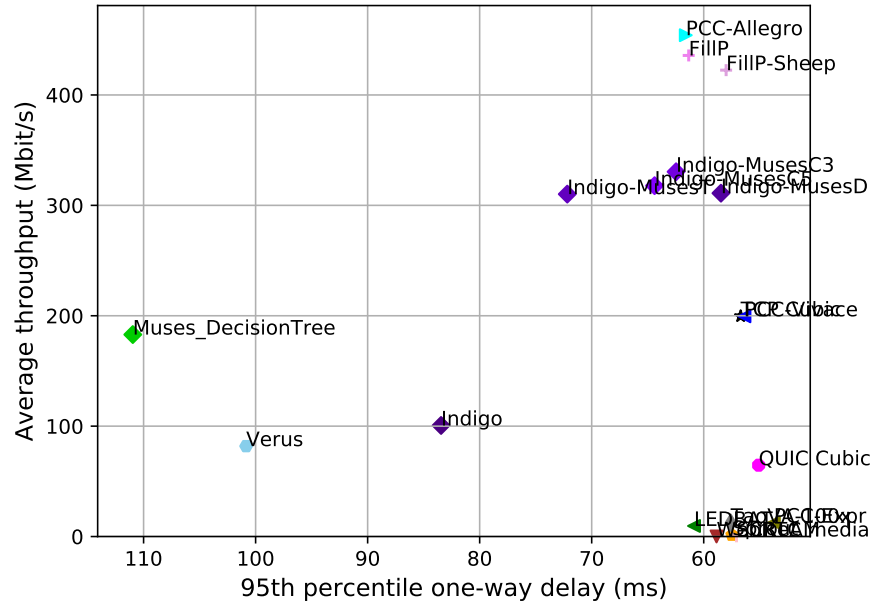
```
System info:
Linux 4.15.0-1041-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912

Git summary:
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 11c9498ecb1596b02ccd896791a02d03172af7ed
 M helpers/__init__.pyc
 M helpers/context.pyc
 M helpers/utils.pyc
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
```

```
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS India 2 to Saudi Arabia, 5 runs of 30s each per scheme
(mean of all runs by scheme)

test from AWS India 2 to Saudi Arabia, 5 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	0	N/A	N/A	N/A
Copa	0	N/A	N/A	N/A
TCP Cubic	5	199.60	56.70	0.67
FillP	5	435.80	61.34	5.39
FillP-Sheep	5	422.48	58.00	5.18
Indigo	5	100.62	83.45	1.20
Indigo-MusesC3	5	330.44	62.47	12.95
Indigo-MusesC5	5	317.83	64.39	25.98
Indigo-MusesD	5	311.02	58.46	12.25
Indigo-MusesT	5	310.18	72.18	10.48
LEDBAT	5	9.58	60.87	0.02
Muses_DecisionTree	5	182.95	110.96	53.58
Muses_DecisionTreeH0	0	N/A	N/A	N/A
Muses_DecisionTreeR0	0	N/A	N/A	N/A
PCC-Allegro	5	454.11	61.60	3.63
PCC-Expr	1	12.53	53.74	26.37
QUIC Cubic	5	64.62	55.10	0.01
SCReAM	5	0.22	57.08	0.00
Sprout	5	1.36	57.47	0.00
TaoVA-100x	4	12.38	57.59	18.61
TCP Vegas	0	N/A	N/A	N/A
Verus	5	81.89	100.85	61.81
PCC-Vivace	5	199.50	56.37	1.02
WebRTC media	5	0.05	58.86	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2019-11-23 22:34:58
End at: 2019-11-23 22:35:28
Local clock offset: -0.09 ms
Remote clock offset: -39.582 ms
```

Run 1: Report of TCP BBR — Data Link

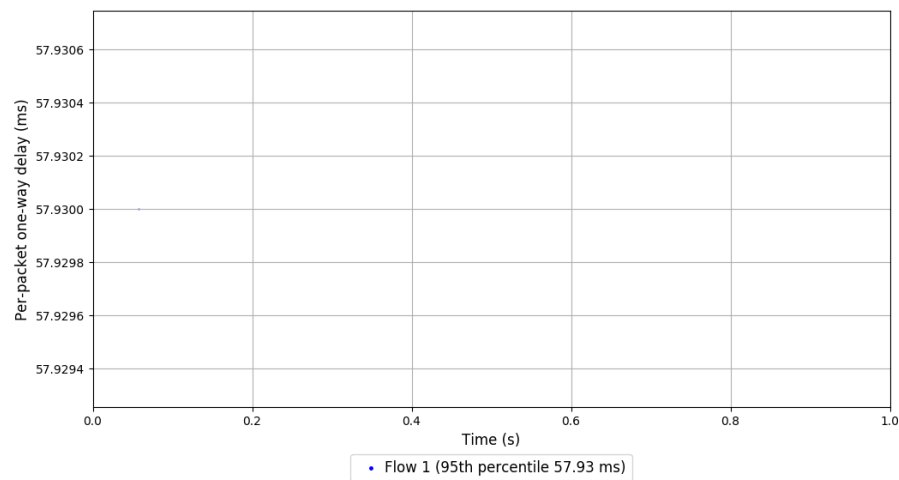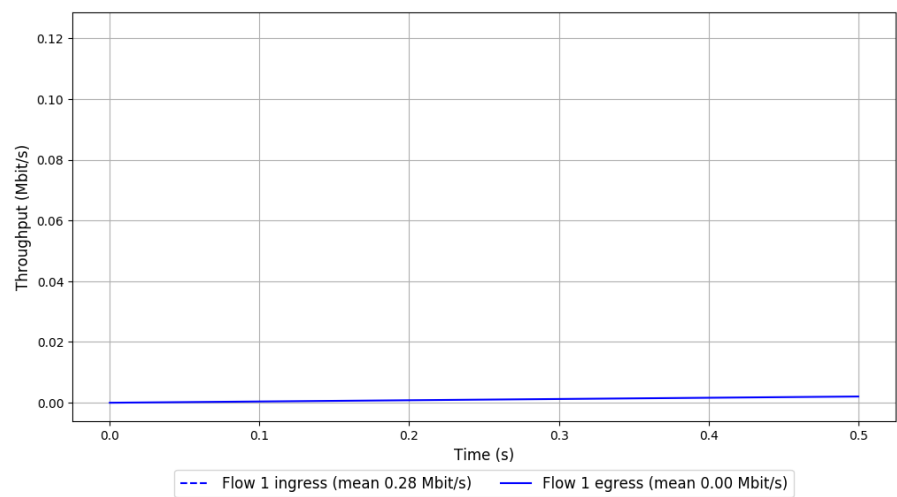Figure is missing

Figure is missing
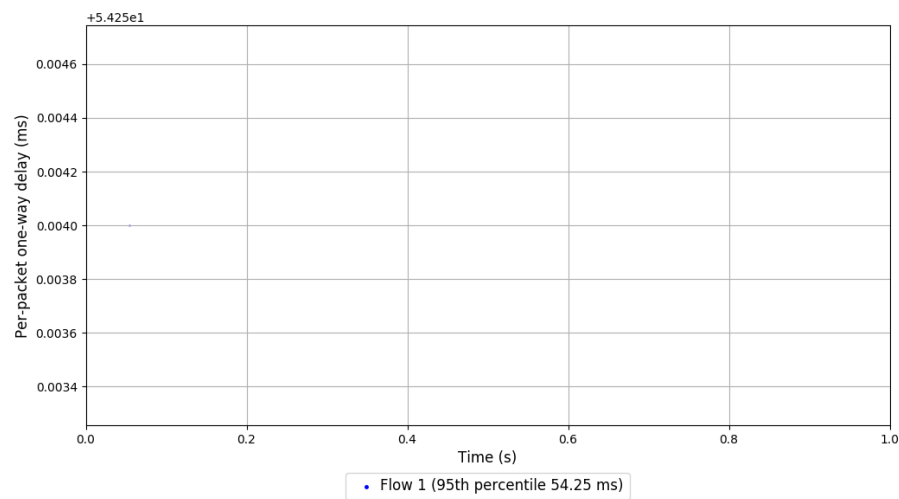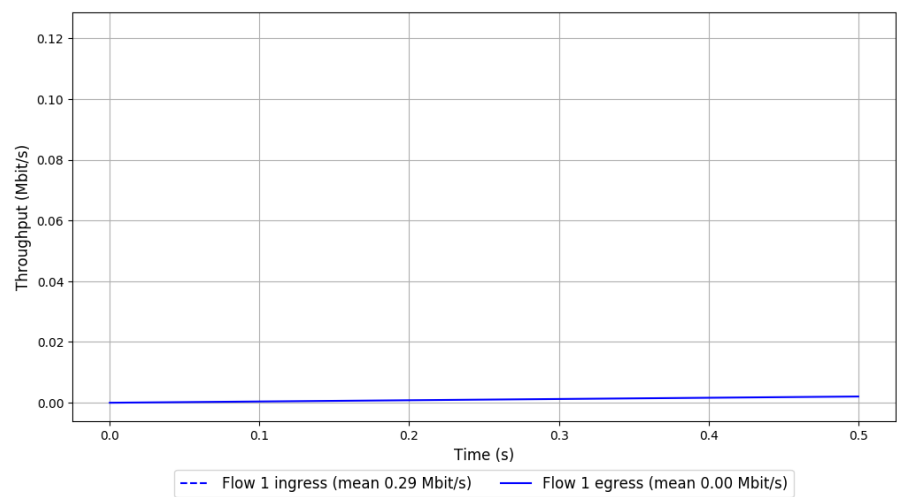
Run 2: Statistics of TCP BBR

Start at: 2019-11-23 23:05:37
End at: 2019-11-23 23:06:07
Local clock offset: 3.092 ms
Remote clock offset: -43.407 ms

Run 2: Report of TCP BBR — Data Link

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```
Run 3: Statistics of TCP BBR

Start at: 2019-11-23 23:36:16
End at: 2019-11-23 23:36:46
Local clock offset: 1.863 ms
Remote clock offset: -38.938 ms
```
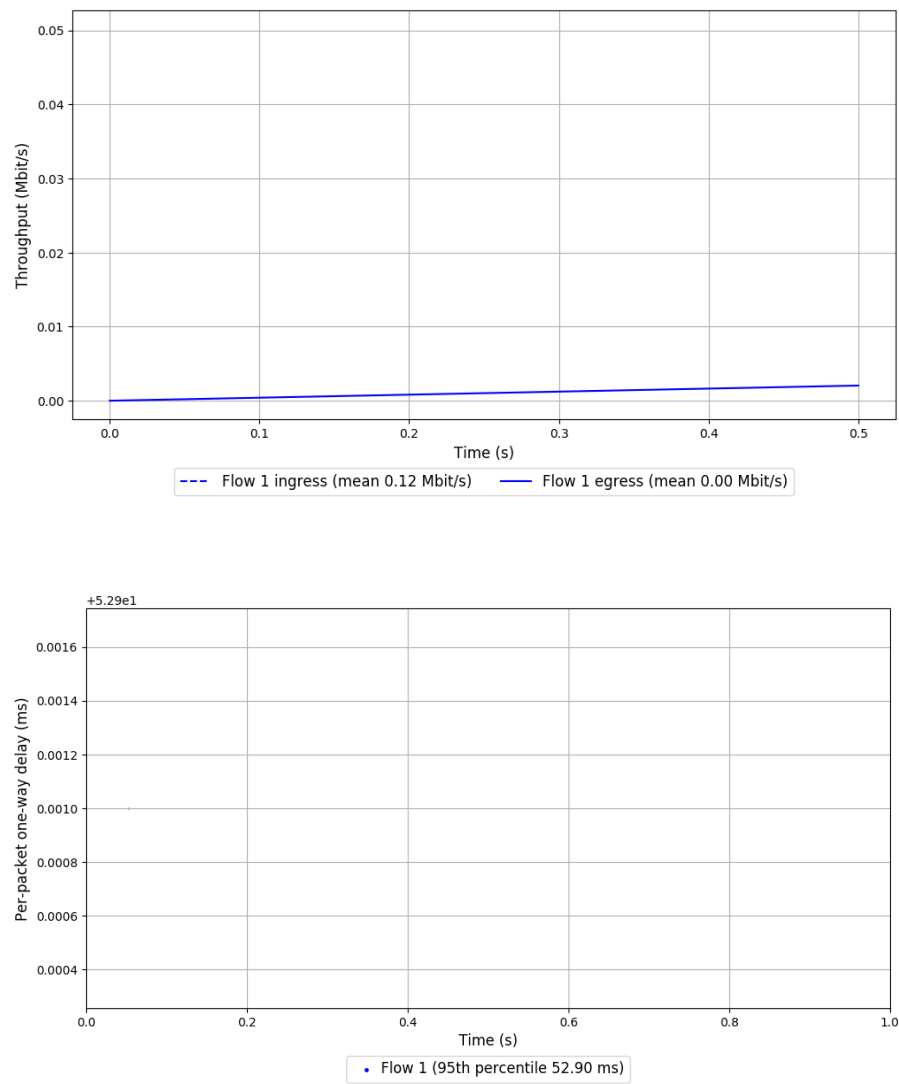
Run 3: Report of TCP BBR — Data Link

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```
Run 4: Statistics of TCP BBR

Start at: 2019-11-24 00:06:54
End at: 2019-11-24 00:07:24
Local clock offset: -2.694 ms
Remote clock offset: -37.862 ms
```
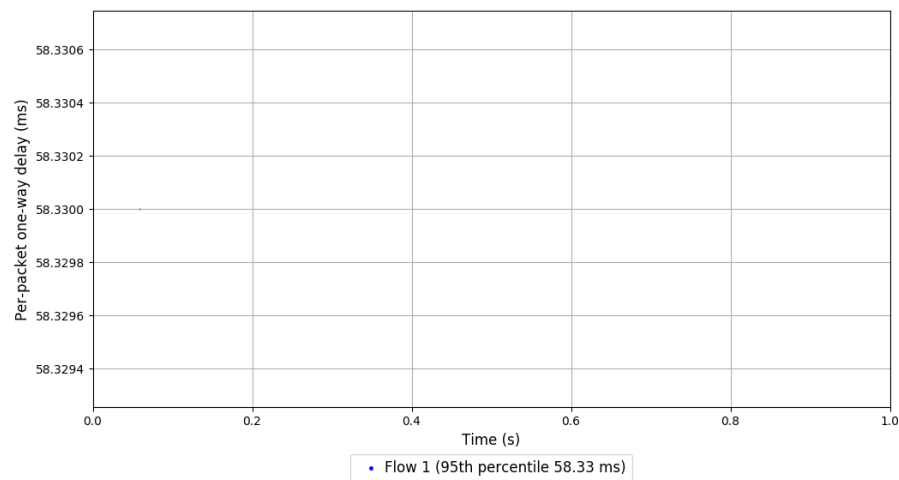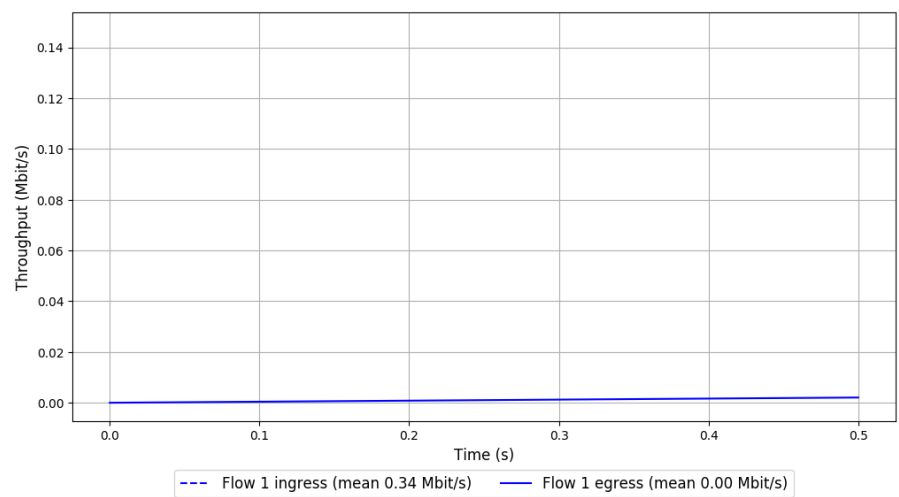
Run 4: Report of TCP BBR — Data Link

Figure is missing

Figure is missing

```
Run 5: Statistics of TCP BBR

Start at: 2019-11-24 00:37:27
End at: 2019-11-24 00:37:57
Local clock offset: 3.52 ms
Remote clock offset: -40.212 ms
```

Run 5: Report of TCP BBR — Data Link

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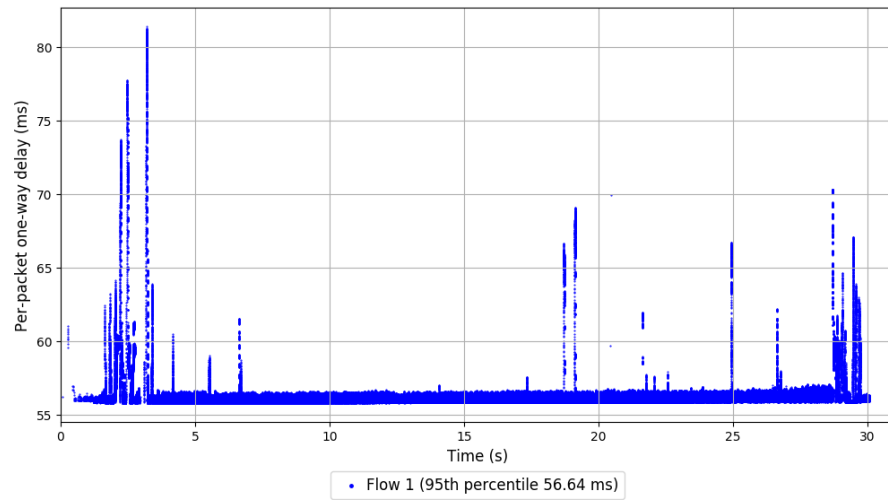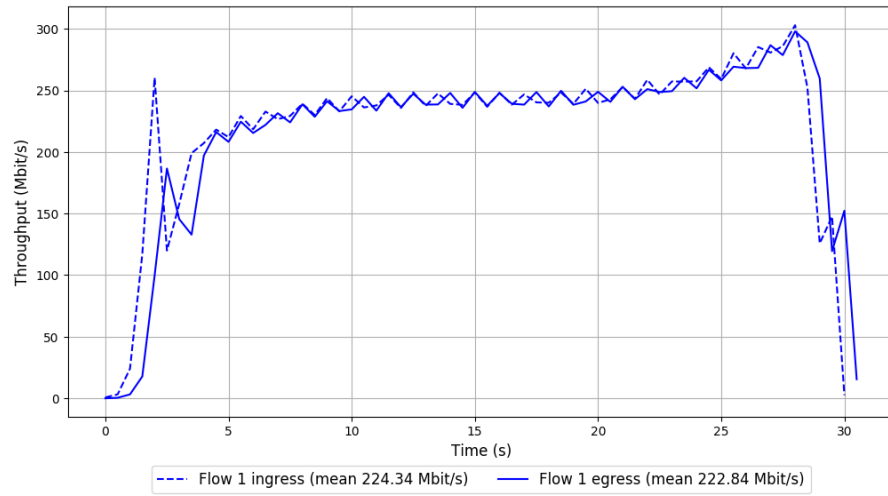
```
Run 1: Statistics of Copa

Start at: 2019-11-23 22:39:58
End at: 2019-11-23 22:40:28
Local clock offset: -0.107 ms
Remote clock offset: -42.63 ms
```

Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 0.28 Mbit/s) --- Flow 1 egress (mean 0.00 Mbit/s)

Flow 1 (95th percentile 57.93 ms)

```
Run 2: Statistics of Copa

Start at: 2019-11-23 23:10:39
End at: 2019-11-23 23:11:09
Local clock offset: 3.128 ms
Remote clock offset: -38.858 ms
```

Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 0.29 Mbit/s)   Flow 1 egress (mean 0.00 Mbit/s)
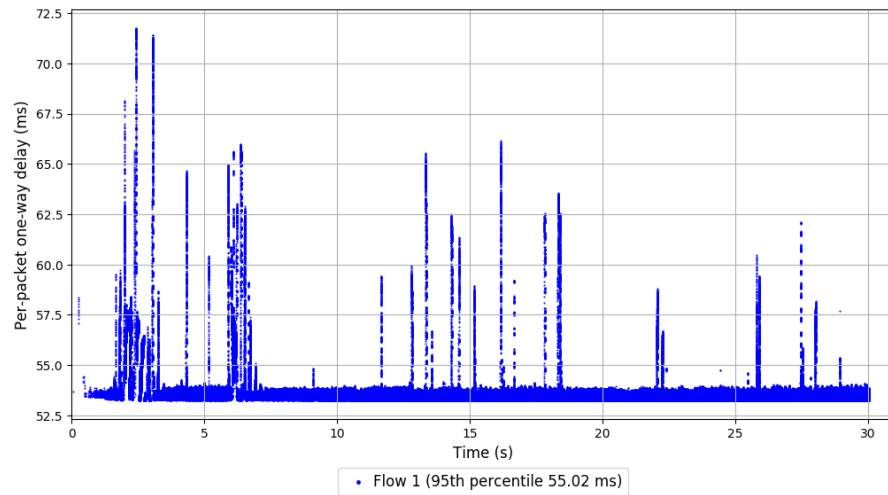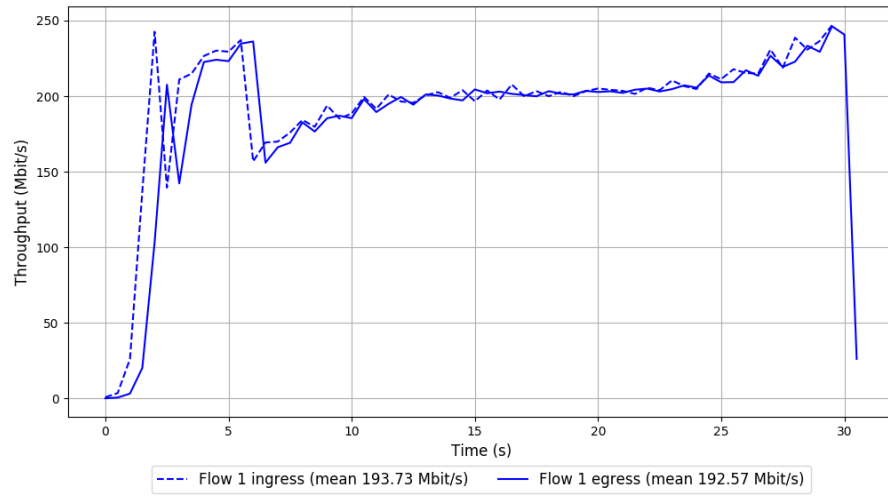

Flow 1 (95th percentile 54.25 ms)

```
Run 3: Statistics of Copa

Start at: 2019-11-23 23:41:17
End at: 2019-11-23 23:41:47
Local clock offset: 3.05 ms
Remote clock offset: -40.334 ms
```

Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 0.12 Mbit/s)   Flow 1 egress (mean 0.00 Mbit/s)

Flow 1 (95th percentile 52.90 ms)

```
Run 4: Statistics of Copa

Start at: 2019-11-24 00:11:55
End at: 2019-11-24 00:12:25
Local clock offset: -1.042 ms
Remote clock offset: -41.351 ms
```

Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2019-11-24 00:42:28
End at: 2019-11-24 00:42:58
Local clock offset: 2.189 ms
Remote clock offset: -42.905 ms
```

Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 0.29 Mbit/s) --- Flow 1 egress (mean 0.00 Mbit/s)
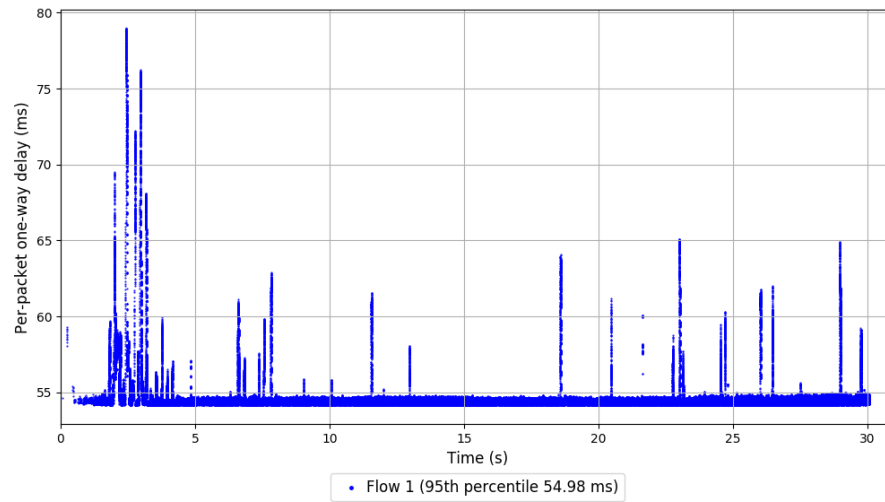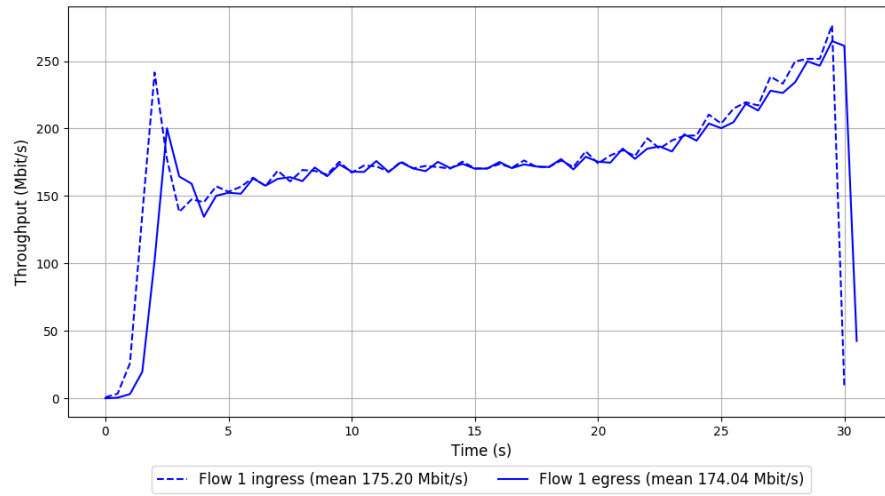

Flow 1 (95th percentile 53.38 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2019-11-23 22:33:38
End at: 2019-11-23 22:34:08
Local clock offset: 1.337 ms
Remote clock offset: -42.046 ms

# Below is generated by plot.py at 2019-11-24 00:51:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.84 Mbit/s
95th percentile per-packet one-way delay: 56.639 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 222.84 Mbit/s
95th percentile per-packet one-way delay: 56.639 ms
Loss rate: 0.68%
```

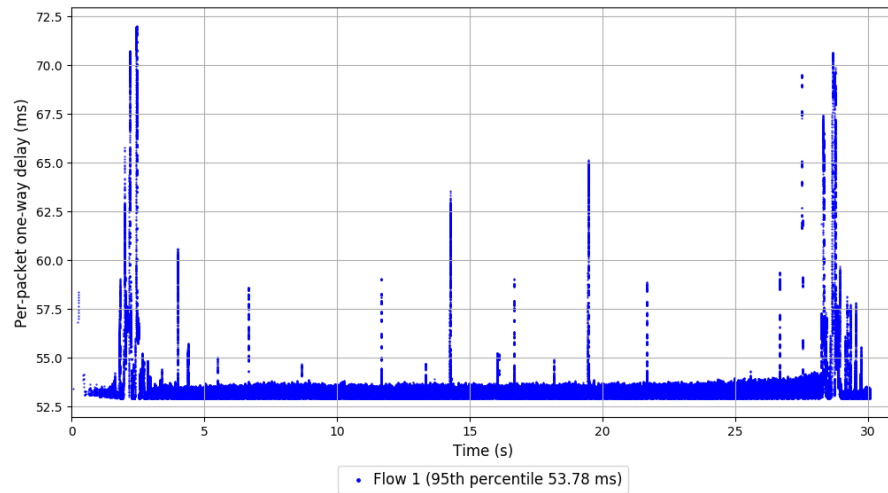Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2019-11-23 23:04:19
End at: 2019-11-23 23:04:49
Local clock offset: 1.726 ms
Remote clock offset: -41.099 ms


# Below is generated by plot.py at 2019-11-24 00:51:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.57 Mbit/s
95th percentile per-packet one-way delay: 55.025 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 192.57 Mbit/s
95th percentile per-packet one-way delay: 55.025 ms
Loss rate: 0.60%
```
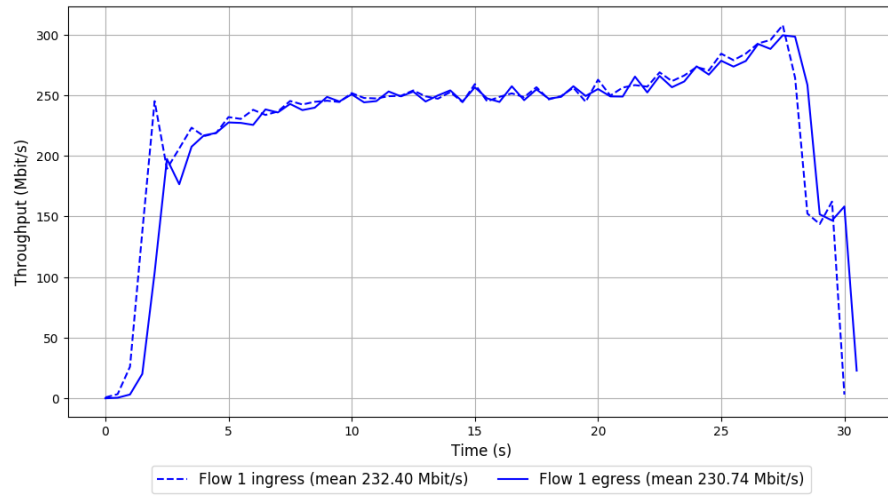
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2019-11-23 23:34:58
End at: 2019-11-23 23:35:28
Local clock offset: 1.547 ms
Remote clock offset: -40.297 ms


# Below is generated by plot.py at 2019-11-24 00:51:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.04 Mbit/s
95th percentile per-packet one-way delay: 54.977 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 174.04 Mbit/s
95th percentile per-packet one-way delay: 54.977 ms
Loss rate: 0.66%
```
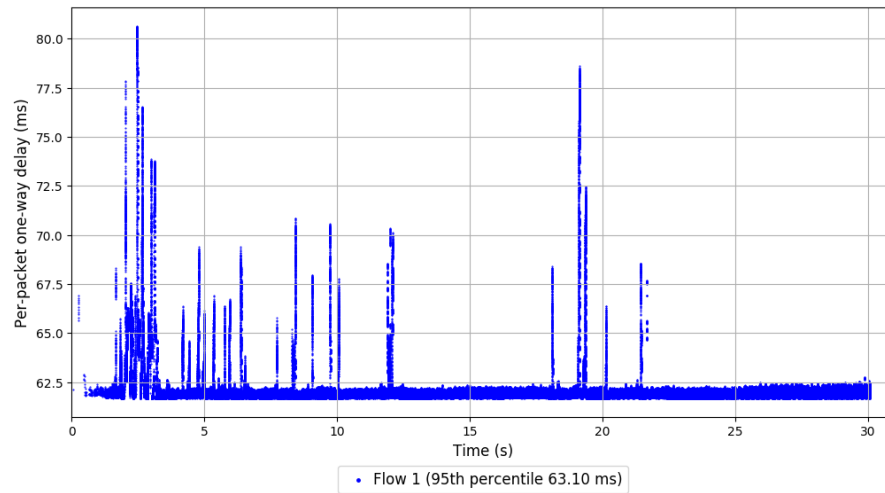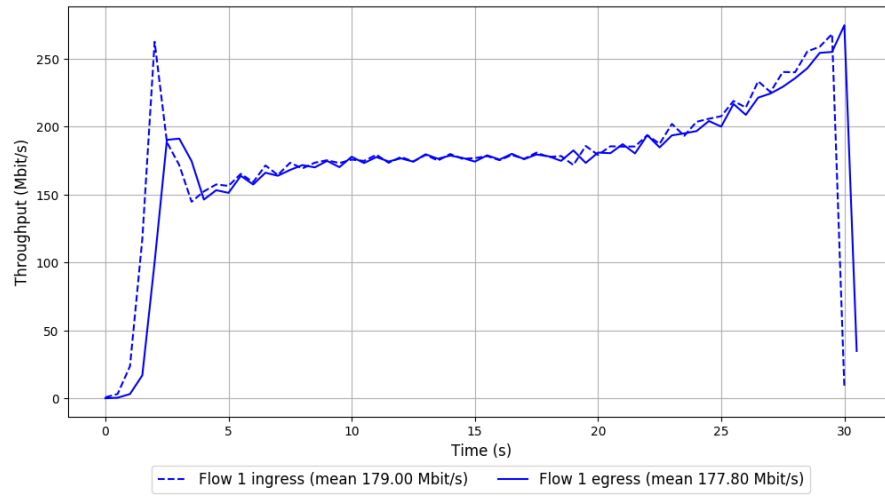
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 175.20 Mbit/s)   Flow 1 egress (mean 174.04 Mbit/s)

Flow 1 (95th percentile 54.98 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2019-11-24 00:05:34
End at: 2019-11-24 00:06:04
Local clock offset: 2.377 ms
Remote clock offset: -40.003 ms


# Below is generated by plot.py at 2019-11-24 00:51:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.74 Mbit/s
95th percentile per-packet one-way delay: 53.784 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 230.74 Mbit/s
95th percentile per-packet one-way delay: 53.784 ms
Loss rate: 0.72%
```
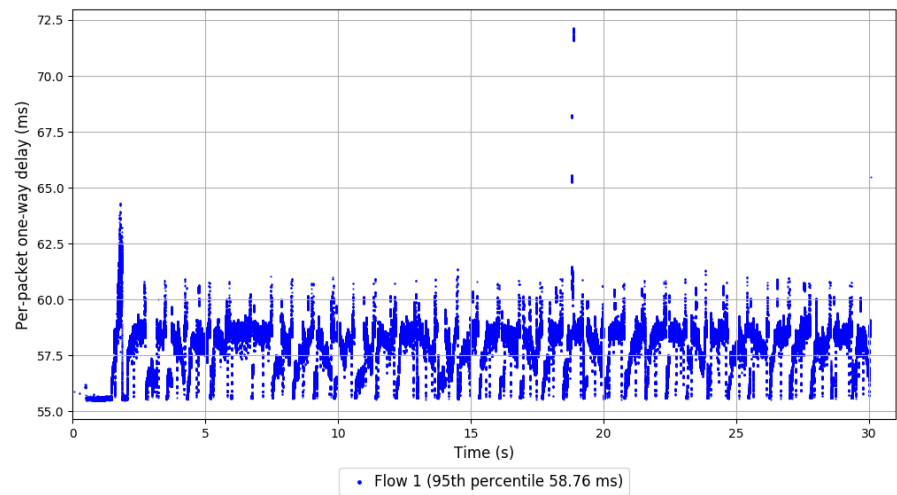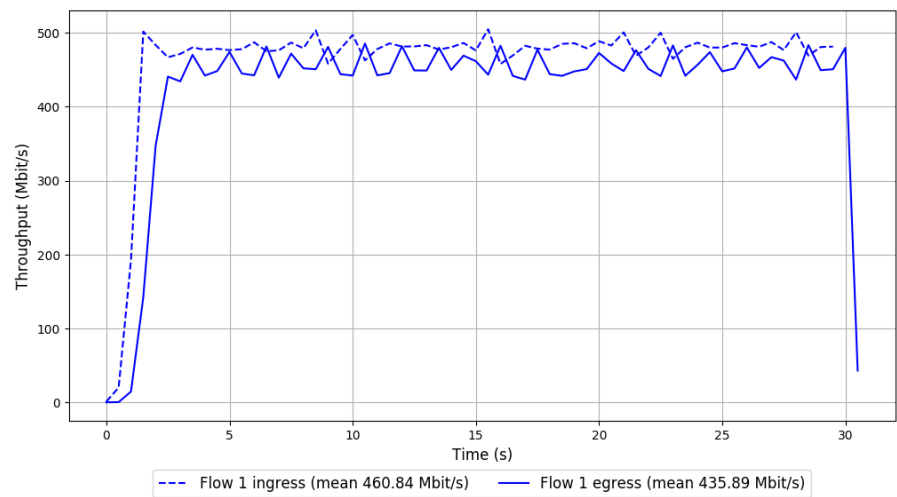
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2019-11-24 00:36:09
End at: 2019-11-24 00:36:39
Local clock offset: -1.192 ms
Remote clock offset: -37.808 ms


# Below is generated by plot.py at 2019-11-24 00:51:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.80 Mbit/s
95th percentile per-packet one-way delay: 63.098 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 177.80 Mbit/s
95th percentile per-packet one-way delay: 63.098 ms
Loss rate: 0.68%
```

Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 179.00 Mbit/s)   Flow 1 egress (mean 177.80 Mbit/s)
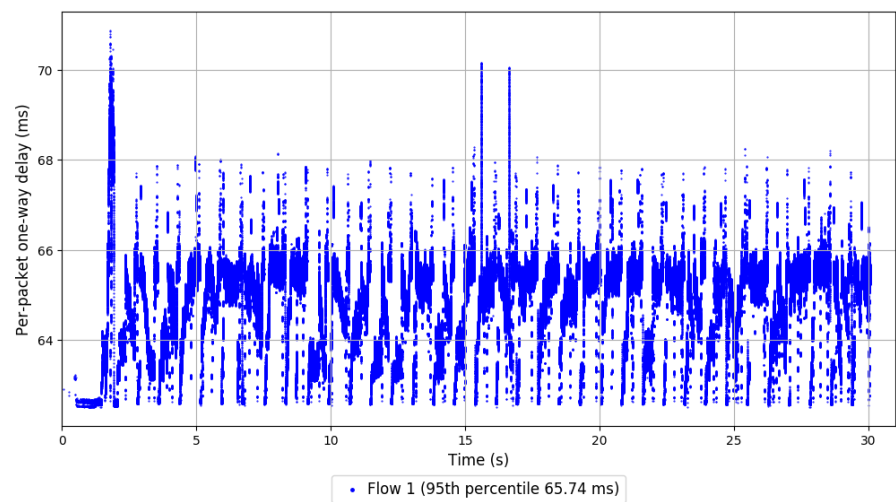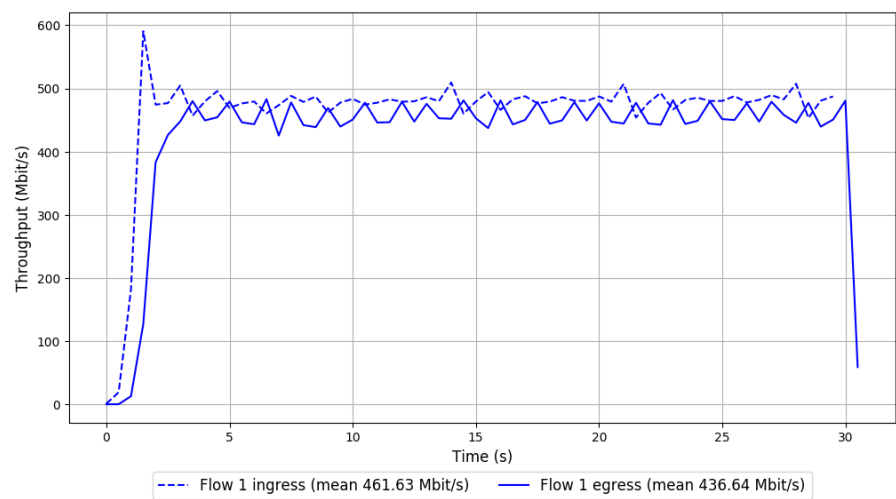

Flow 1 (95th percentile 63.10 ms)

```
Run 1: Statistics of FillP

Start at: 2019-11-23 22:36:07
End at: 2019-11-23 22:36:37
Local clock offset: 2.572 ms
Remote clock offset: -41.502 ms


# Below is generated by plot.py at 2019-11-24 00:54:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 435.89 Mbit/s
95th percentile per-packet one-way delay: 58.763 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 435.89 Mbit/s
95th percentile per-packet one-way delay: 58.763 ms
Loss rate: 5.39%
```
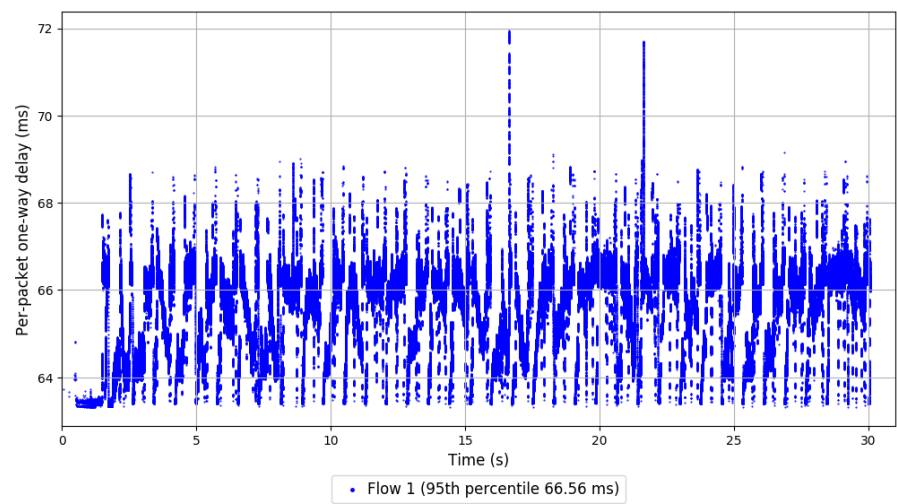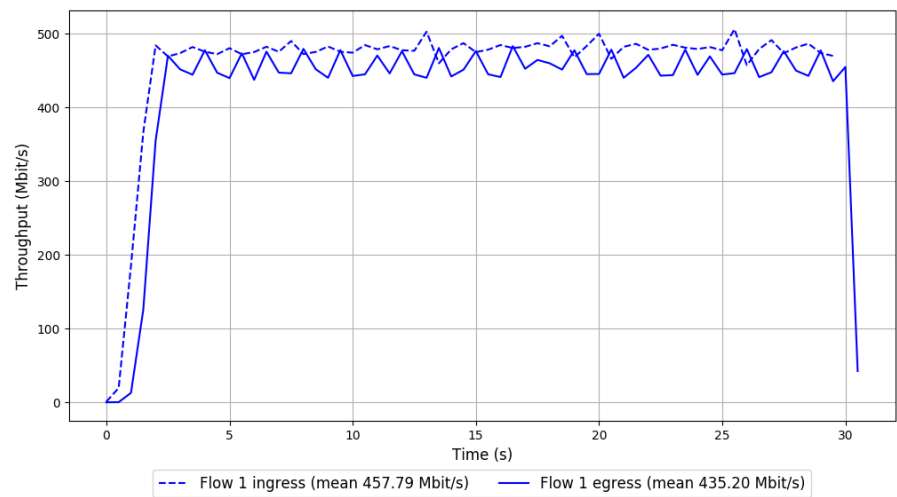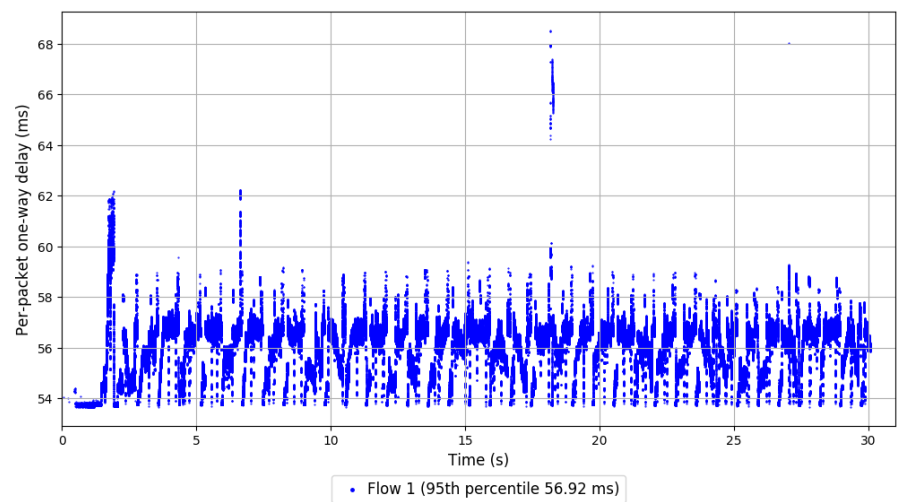
Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 460.84 Mbit/s)   Flow 1 egress (mean 435.89 Mbit/s)

Flow 1 (95th percentile 58.76 ms)

```
Run 2: Statistics of FillP

Start at: 2019-11-23 23:06:46
End at: 2019-11-23 23:07:17
Local clock offset: -3.082 ms
Remote clock offset: -39.119 ms


# Below is generated by plot.py at 2019-11-24 00:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.64 Mbit/s
95th percentile per-packet one-way delay: 65.738 ms
Loss rate: 5.41%
-- Flow 1:
Average throughput: 436.64 Mbit/s
95th percentile per-packet one-way delay: 65.738 ms
Loss rate: 5.41%
```
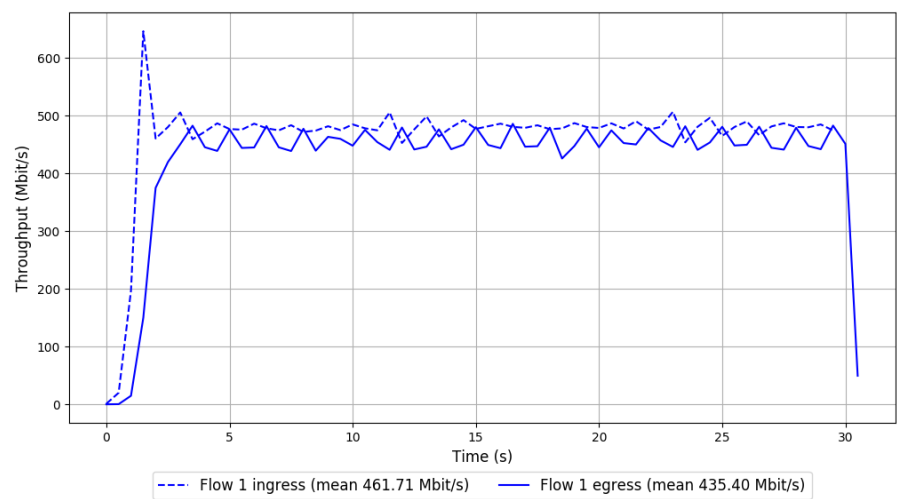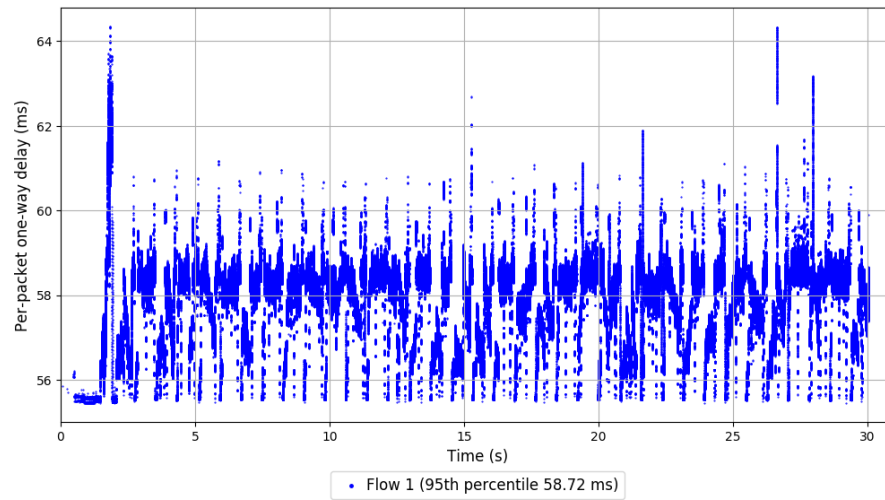
Run 2: Report of FillP — Data Link

Flow 1 ingress (mean 461.63 Mbit/s)   Flow 1 egress (mean 436.64 Mbit/s)

Flow 1 (95th percentile 65.74 ms)

```
Run 3: Statistics of FillP

Start at: 2019-11-23 23:37:25
End at: 2019-11-23 23:37:55
Local clock offset: -2.856 ms
Remote clock offset: -38.199 ms

# Below is generated by plot.py at 2019-11-24 00:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 435.20 Mbit/s
95th percentile per-packet one-way delay: 66.563 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 435.20 Mbit/s
95th percentile per-packet one-way delay: 66.563 ms
Loss rate: 4.94%
```
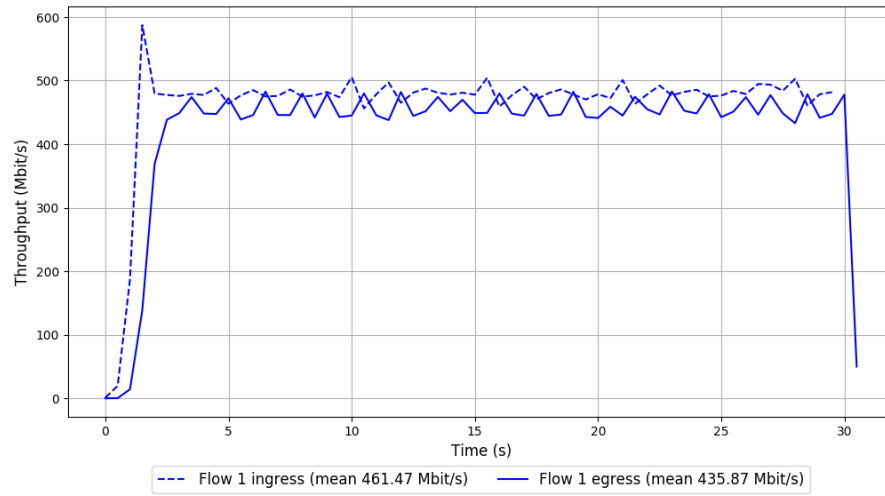
Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 457.79 Mbit/s)   Flow 1 egress (mean 435.20 Mbit/s)

Flow 1 (95th percentile 66.56 ms)

```
Run 4: Statistics of FillP

Start at: 2019-11-24 00:08:04
End at: 2019-11-24 00:08:34
Local clock offset: 1.53 ms
Remote clock offset: -40.081 ms


# Below is generated by plot.py at 2019-11-24 00:56:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 435.40 Mbit/s
95th percentile per-packet one-way delay: 56.920 ms
Loss rate: 5.69%
-- Flow 1:
Average throughput: 435.40 Mbit/s
95th percentile per-packet one-way delay: 56.920 ms
Loss rate: 5.69%
```
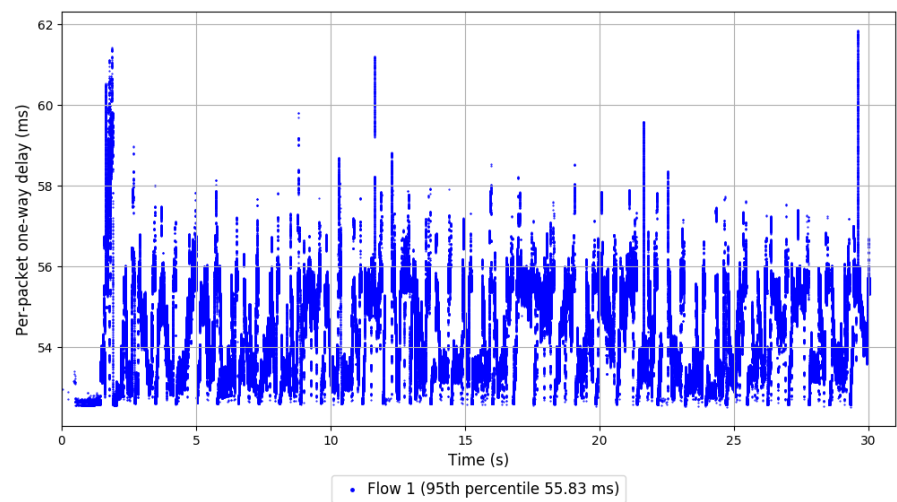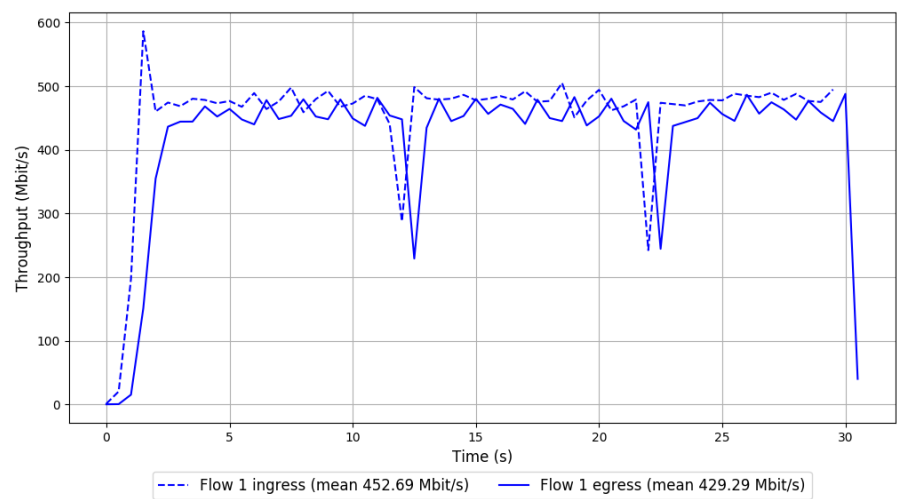
Run 4: Report of FillP — Data Link

Flow 1 ingress (mean 461.71 Mbit/s) —— Flow 1 egress (mean 435.40 Mbit/s)

• Flow 1 (95th percentile 56.92 ms)

```
Run 5: Statistics of FillP

Start at: 2019-11-24 00:38:36
End at: 2019-11-24 00:39:06
Local clock offset: 2.767 ms
Remote clock offset: -39.947 ms


# Below is generated by plot.py at 2019-11-24 00:56:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 435.87 Mbit/s
95th percentile per-packet one-way delay: 58.718 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 435.87 Mbit/s
95th percentile per-packet one-way delay: 58.718 ms
Loss rate: 5.54%
```
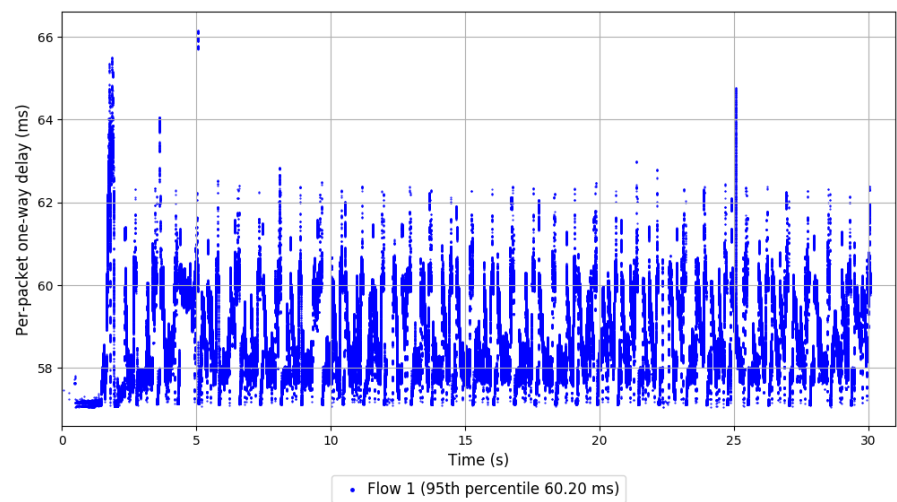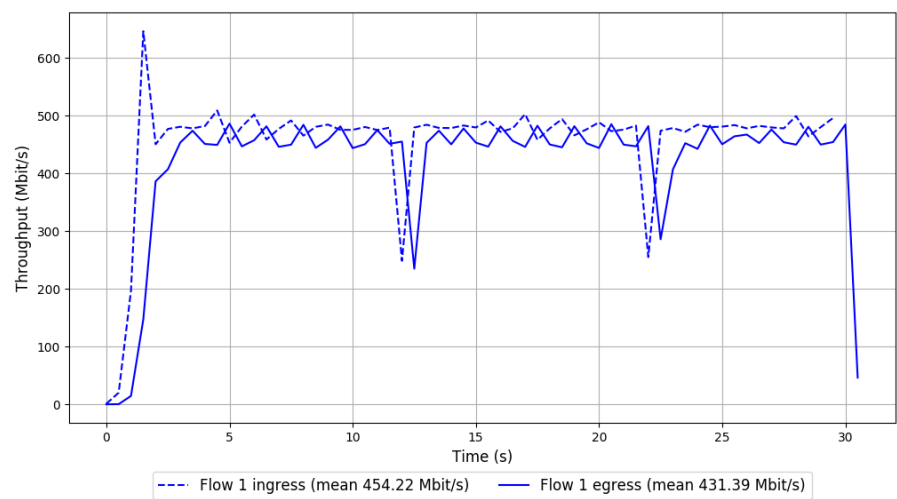
Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 461.47 Mbit/s)   Flow 1 egress (mean 435.87 Mbit/s)

Flow 1 (95th percentile 58.72 ms)

```
Run 1: Statistics of FillP-Sheep

Start at: 2019-11-23 22:16:34
End at: 2019-11-23 22:17:04
Local clock offset: 3.546 ms
Remote clock offset: -41.808 ms


# Below is generated by plot.py at 2019-11-24 00:56:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 429.29 Mbit/s
95th percentile per-packet one-way delay: 55.827 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 429.29 Mbit/s
95th percentile per-packet one-way delay: 55.827 ms
Loss rate: 5.16%
```
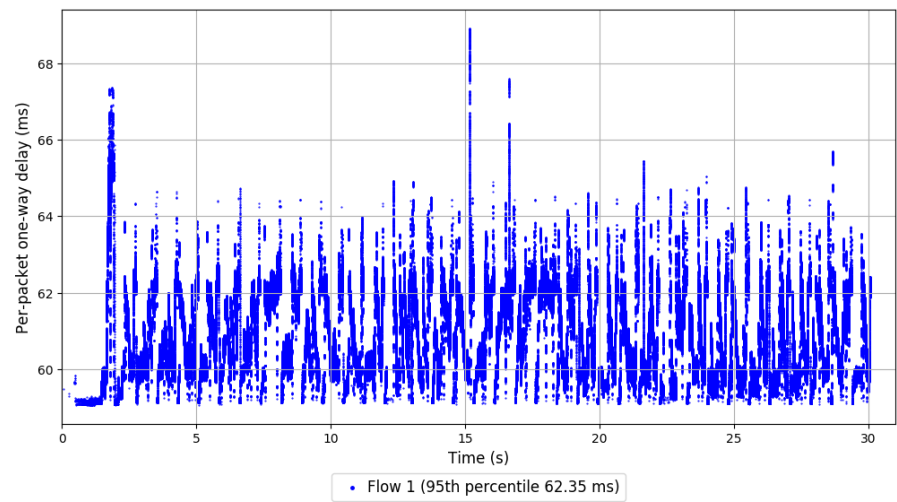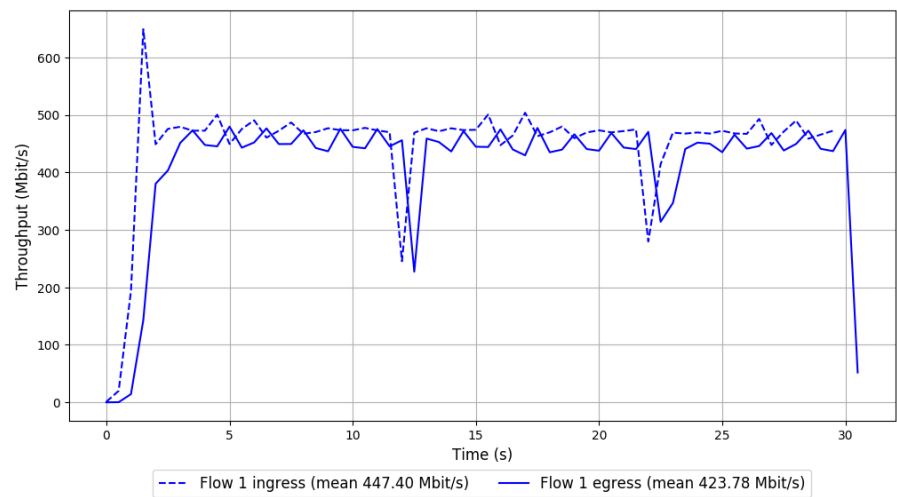
Run 1: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 452.69 Mbit/s) --- Flow 1 egress (mean 429.29 Mbit/s)

Flow 1 (95th percentile 55.83 ms)

```
Run 2: Statistics of FillP-Sheep

Start at: 2019-11-23 22:47:18
End at: 2019-11-23 22:47:48
Local clock offset: -2.437 ms
Remote clock offset: -42.203 ms


# Below is generated by plot.py at 2019-11-24 00:57:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 431.39 Mbit/s
95th percentile per-packet one-way delay: 60.196 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 431.39 Mbit/s
95th percentile per-packet one-way delay: 60.196 ms
Loss rate: 5.02%
```
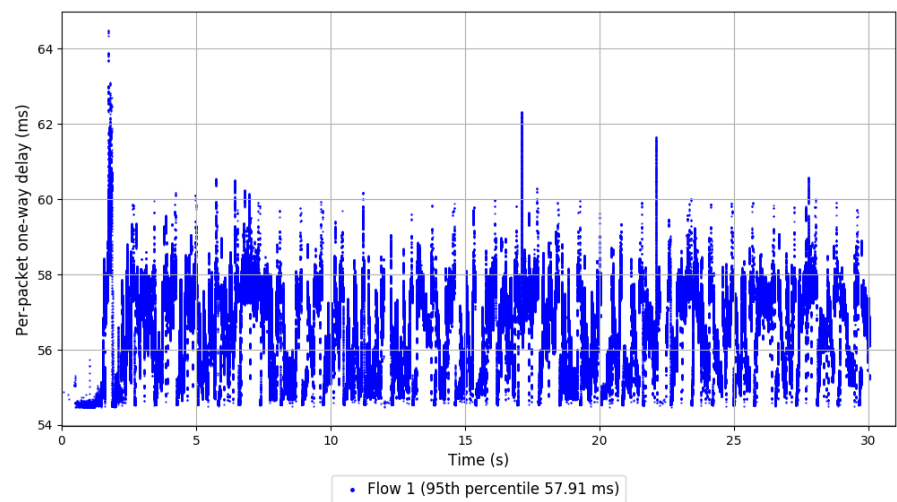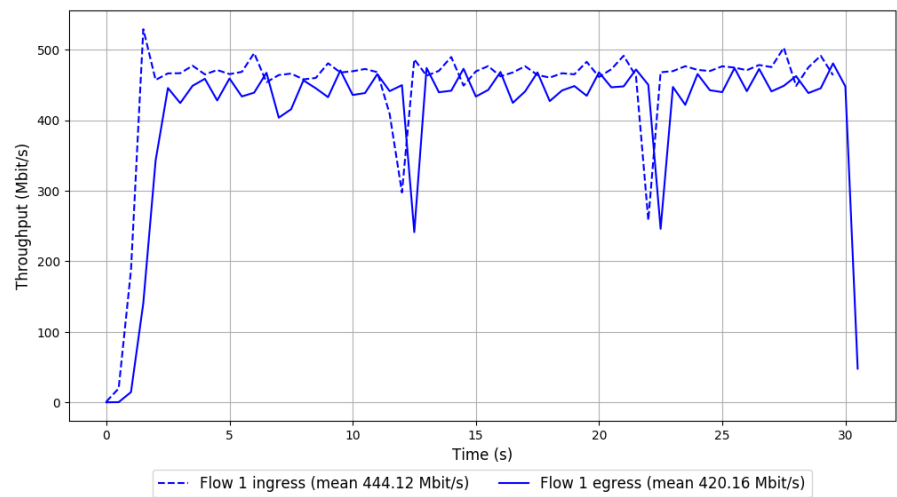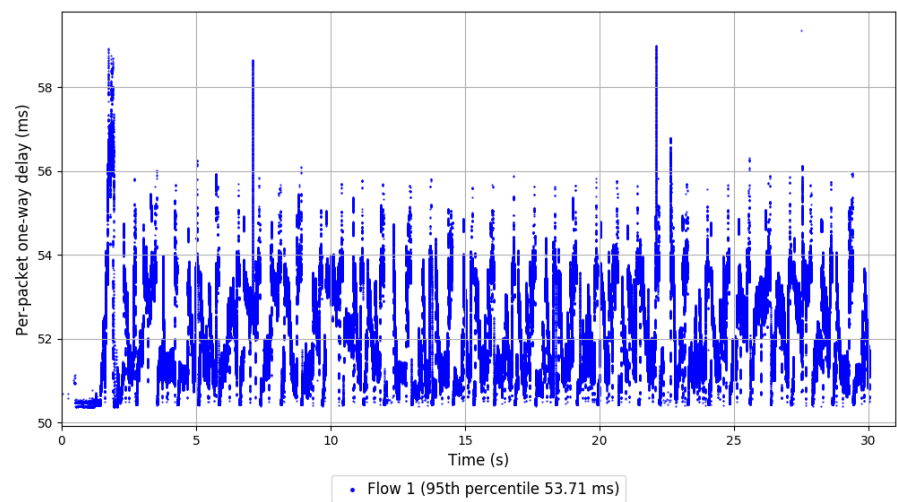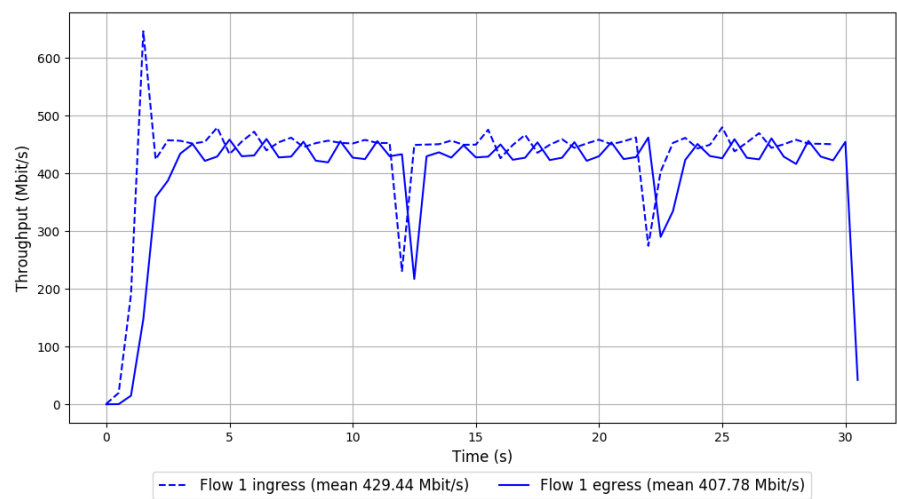
Run 2: Report of FillP-Sheep — Data Link

```
Run 3: Statistics of FillP-Sheep

Start at: 2019-11-23 23:17:53
End at: 2019-11-23 23:18:23
Local clock offset: -2.079 ms
Remote clock offset: -38.629 ms


# Below is generated by plot.py at 2019-11-24 00:57:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 423.78 Mbit/s
95th percentile per-packet one-way delay: 62.351 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 423.78 Mbit/s
95th percentile per-packet one-way delay: 62.351 ms
Loss rate: 5.27%
```
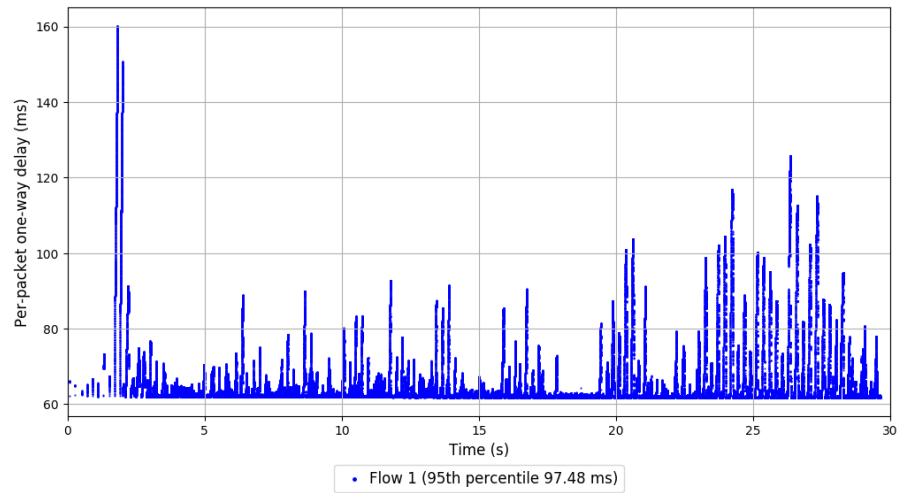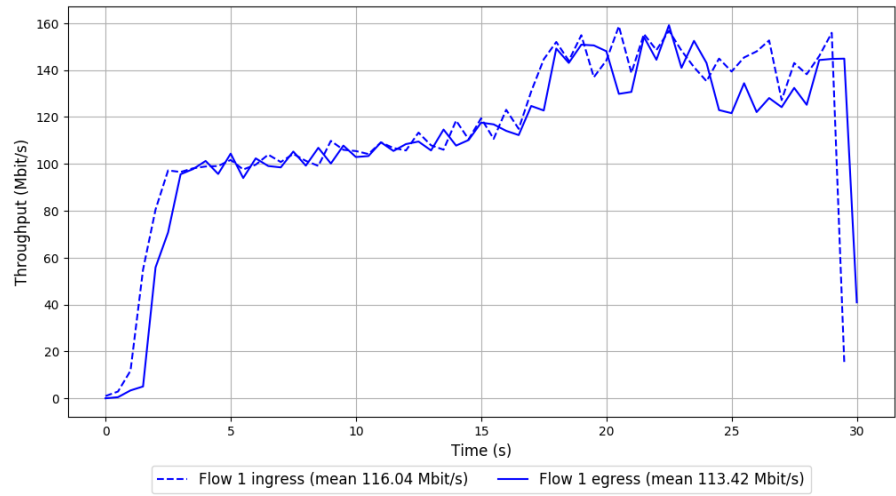
Run 3: Report of FillP-Sheep — Data Link

Flow 1 ingress (mean 447.40 Mbit/s)   Flow 1 egress (mean 423.78 Mbit/s)

Flow 1 (95th percentile 62.35 ms)

```
Run 4: Statistics of FillP-Sheep

Start at: 2019-11-23 23:48:31
End at: 2019-11-23 23:49:01
Local clock offset: 3.419 ms
Remote clock offset: -40.327 ms


# Below is generated by plot.py at 2019-11-24 01:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 420.16 Mbit/s
95th percentile per-packet one-way delay: 57.912 ms
Loss rate: 5.40%
-- Flow 1:
Average throughput: 420.16 Mbit/s
95th percentile per-packet one-way delay: 57.912 ms
Loss rate: 5.40%
```

Run 4: Report of FillP-Sheep — Data Link

```
Run 5: Statistics of FillP-Sheep

Start at: 2019-11-24 00:19:10
End at: 2019-11-24 00:19:40
Local clock offset: 1.412 ms
Remote clock offset: -43.575 ms


# Below is generated by plot.py at 2019-11-24 01:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 407.78 Mbit/s
95th percentile per-packet one-way delay: 53.712 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 407.78 Mbit/s
95th percentile per-packet one-way delay: 53.712 ms
Loss rate: 5.04%
```
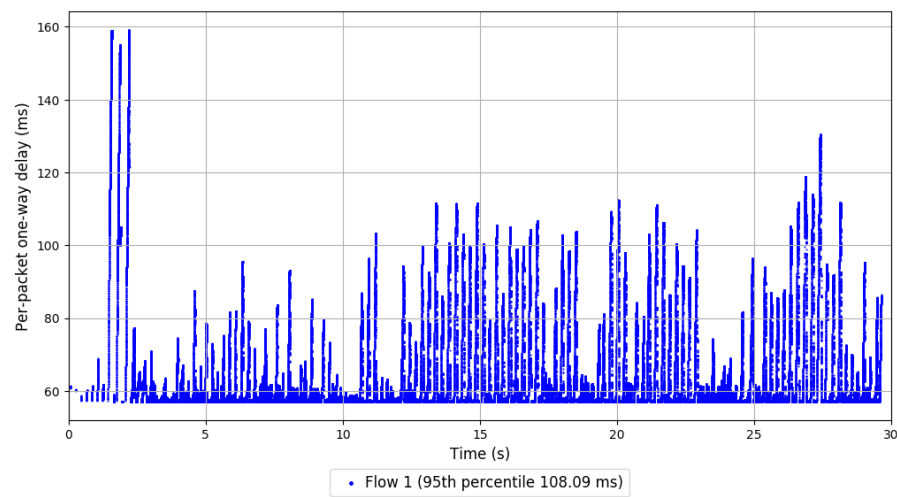
Run 5: Report of FillP-Sheep — Data Link

```
Run 1: Statistics of Indigo

Start at: 2019-11-23 22:19:10
End at: 2019-11-23 22:19:40
Local clock offset: -1.776 ms
Remote clock offset: -38.926 ms


# Below is generated by plot.py at 2019-11-24 01:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.42 Mbit/s
95th percentile per-packet one-way delay: 97.484 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 113.42 Mbit/s
95th percentile per-packet one-way delay: 97.484 ms
Loss rate: 2.27%
```
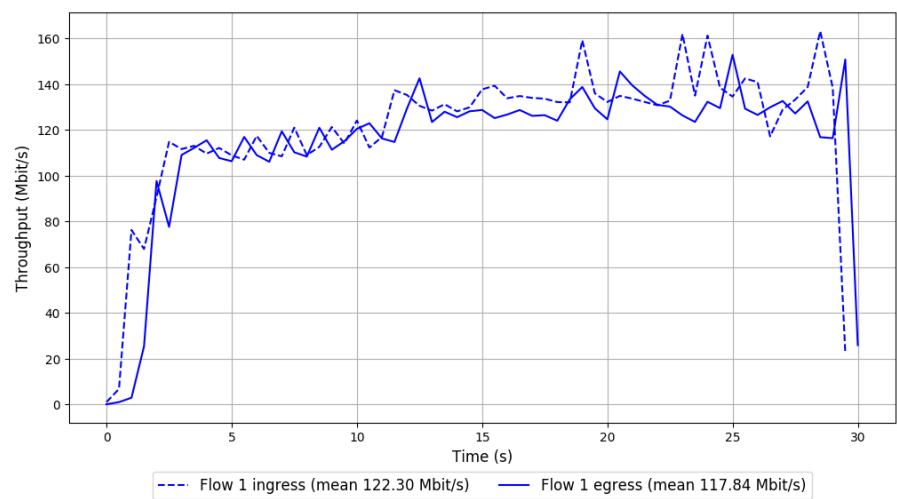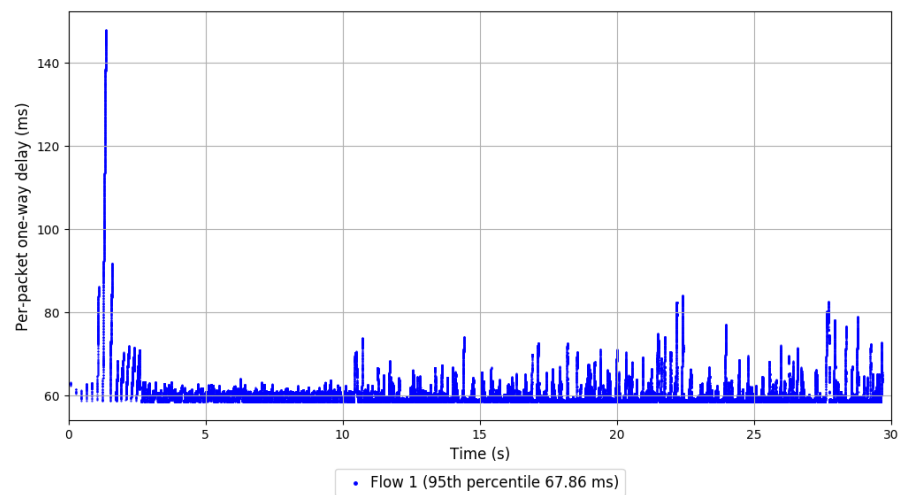
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2019-11-23 22:49:54
End at: 2019-11-23 22:50:24
Local clock offset: -2.001 ms
Remote clock offset: -38.708 ms


# Below is generated by plot.py at 2019-11-24 01:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 71.743 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 71.743 ms
Loss rate: 0.03%
```
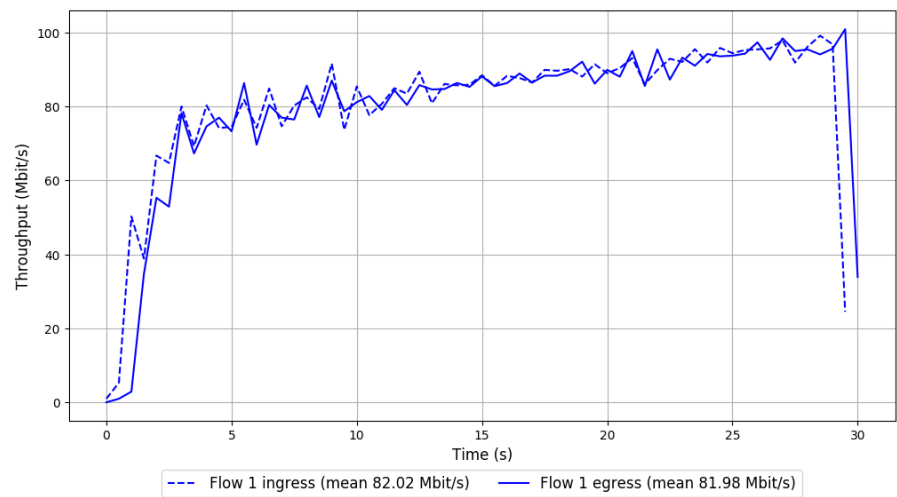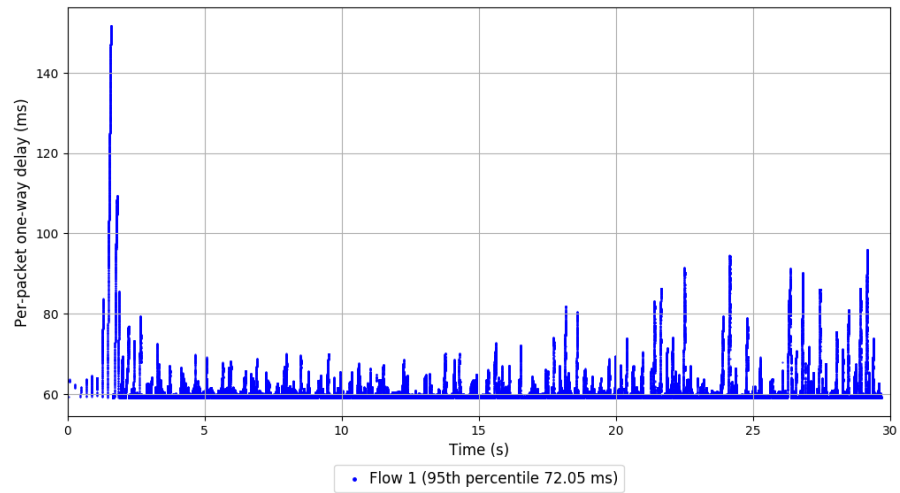
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2019-11-23 23:20:28
End at: 2019-11-23 23:20:58
Local clock offset: -1.822 ms
Remote clock offset: -40.398 ms


# Below is generated by plot.py at 2019-11-24 01:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.84 Mbit/s
95th percentile per-packet one-way delay: 108.086 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 117.84 Mbit/s
95th percentile per-packet one-way delay: 108.086 ms
Loss rate: 3.65%
```
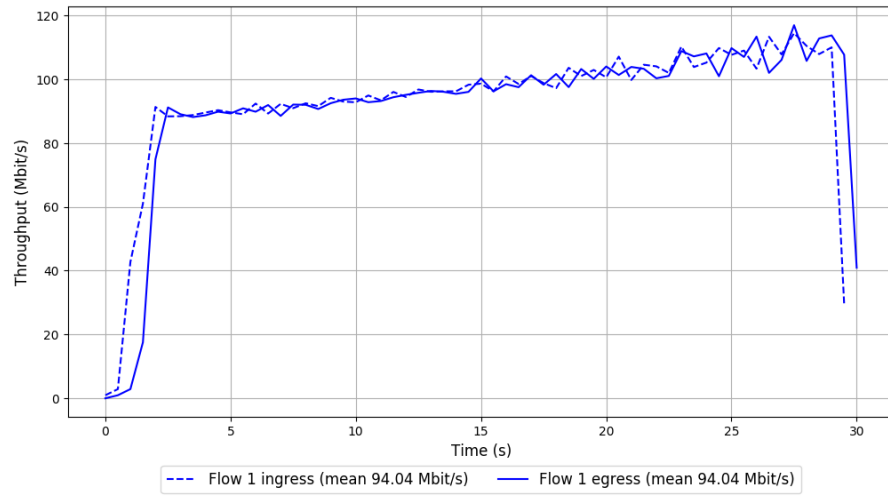
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2019-11-23 23:51:07
End at: 2019-11-23 23:51:37
Local clock offset: -2.715 ms
Remote clock offset: -40.145 ms


# Below is generated by plot.py at 2019-11-24 01:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: 67.864 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: 67.864 ms
Loss rate: 0.06%
```
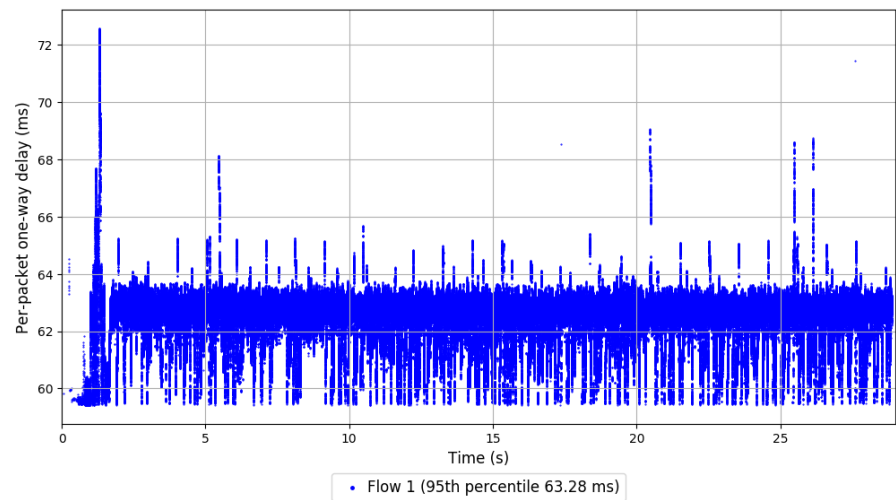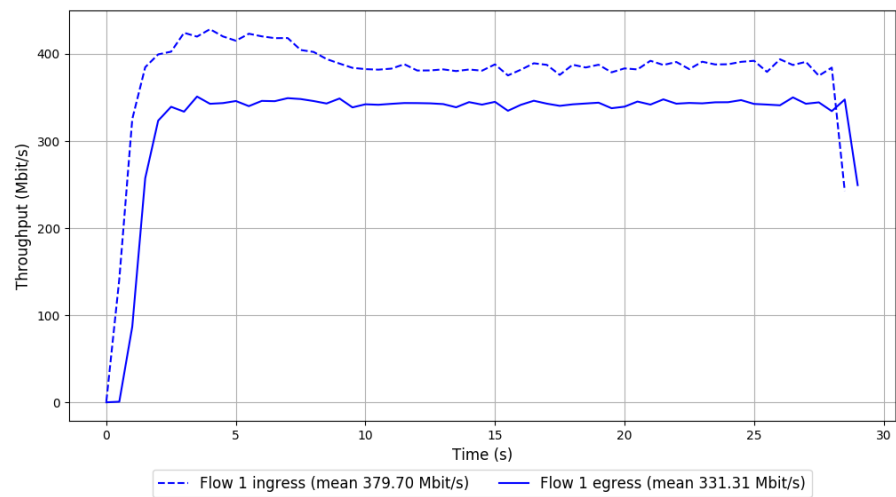
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2019-11-24 00:21:45
End at: 2019-11-24 00:22:15
Local clock offset: -3.325 ms
Remote clock offset: -42.125 ms


# Below is generated by plot.py at 2019-11-24 01:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 72.051 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 72.051 ms
Loss rate: 0.01%
```
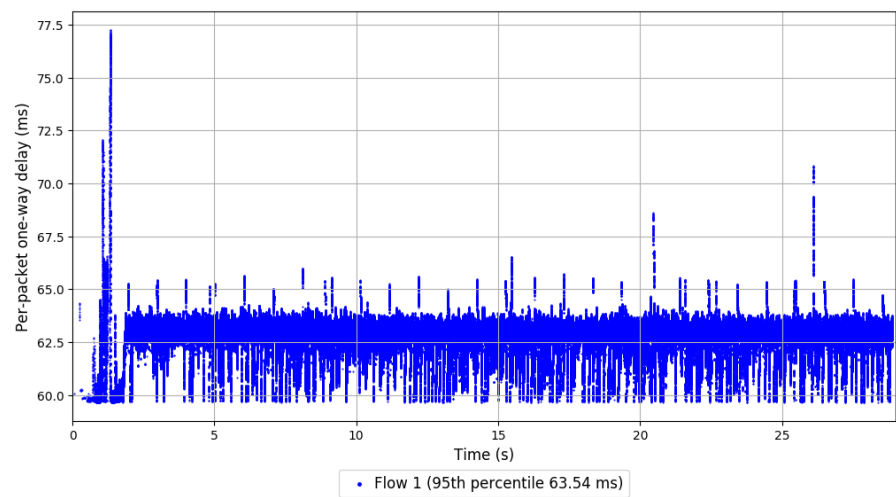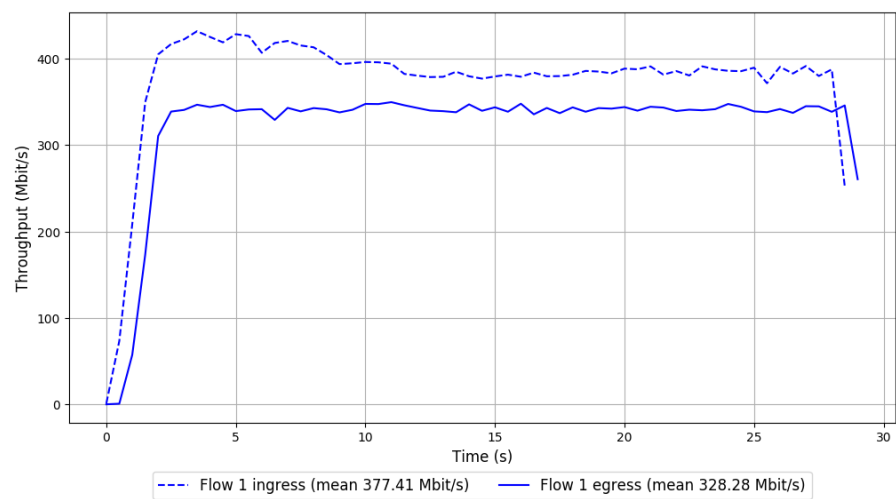
Run 5: Report of Indigo — Data Link

```
Run 1: Statistics of Indigo-MusesC3

Start at: 2019-11-23 22:26:45
End at: 2019-11-23 22:27:15
Local clock offset: -3.042 ms
Remote clock offset: -41.498 ms


# Below is generated by plot.py at 2019-11-24 01:01:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 331.31 Mbit/s
95th percentile per-packet one-way delay: 63.280 ms
Loss rate: 12.75%
-- Flow 1:
Average throughput: 331.31 Mbit/s
95th percentile per-packet one-way delay: 63.280 ms
Loss rate: 12.75%
```
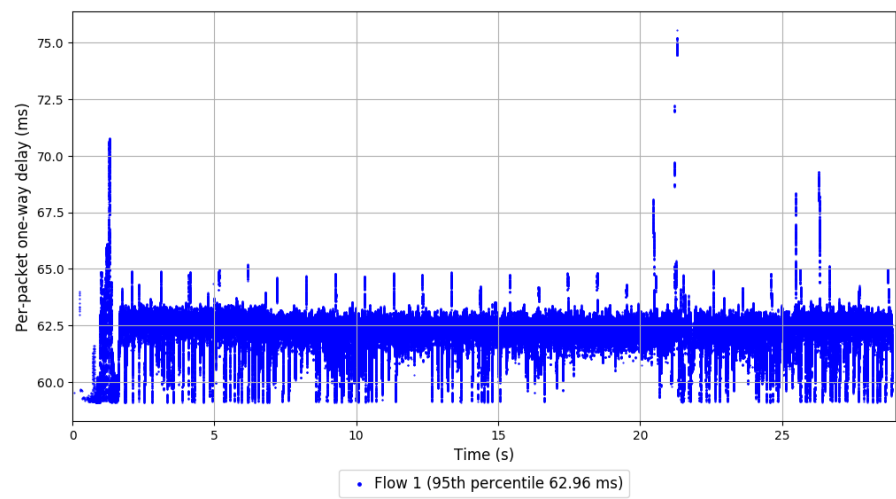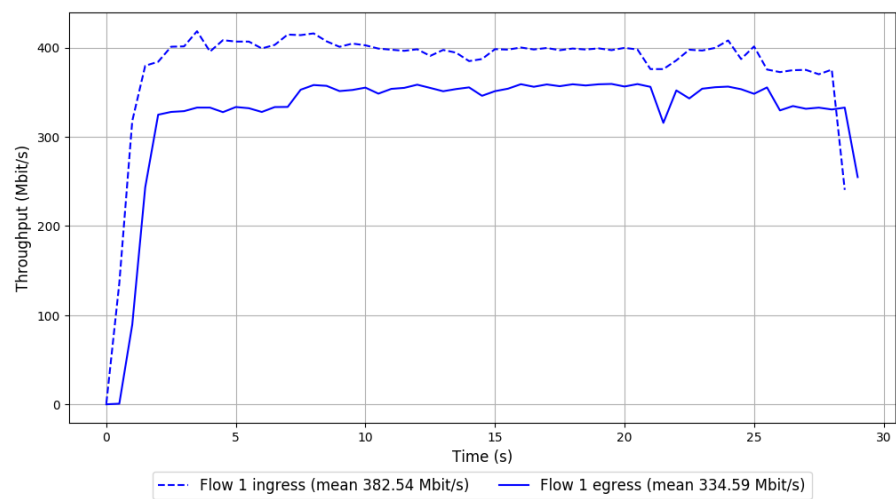
Run 1: Report of Indigo-MusesC3 — Data Link

```
Run 2: Statistics of Indigo-MusesC3

Start at: 2019-11-23 22:57:25
End at: 2019-11-23 22:57:55
Local clock offset: -2.023 ms
Remote clock offset: -41.573 ms


# Below is generated by plot.py at 2019-11-24 01:01:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 328.28 Mbit/s
95th percentile per-packet one-way delay: 63.538 ms
Loss rate: 13.01%
-- Flow 1:
Average throughput: 328.28 Mbit/s
95th percentile per-packet one-way delay: 63.538 ms
Loss rate: 13.01%
```

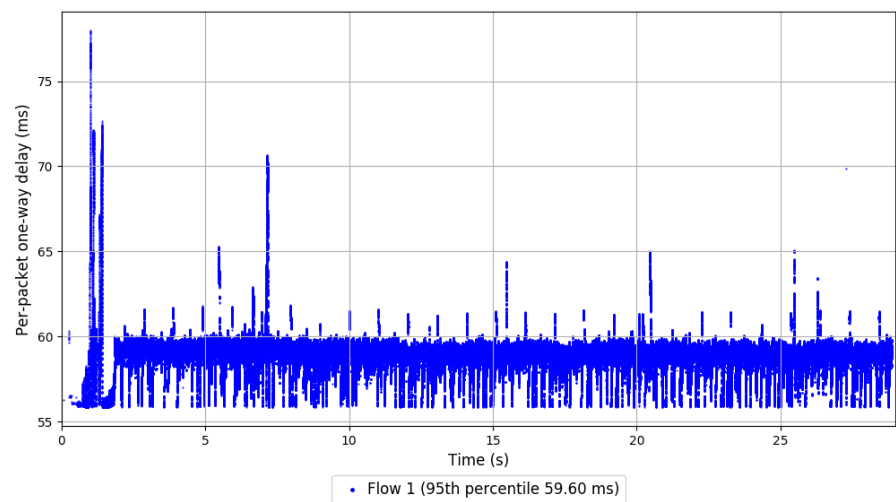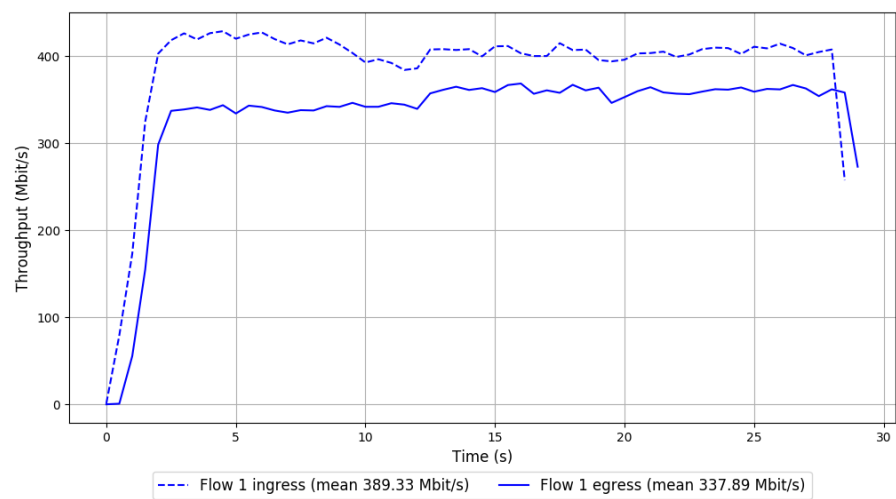Run 2: Report of Indigo-MusesC3 — Data Link

```
Run 3: Statistics of Indigo-MusesC3

Start at: 2019-11-23 23:28:01
End at: 2019-11-23 23:28:31
Local clock offset: 1.842 ms
Remote clock offset: -37.491 ms


# Below is generated by plot.py at 2019-11-24 01:01:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 334.59 Mbit/s
95th percentile per-packet one-way delay: 62.956 ms
Loss rate: 12.54%
-- Flow 1:
Average throughput: 334.59 Mbit/s
95th percentile per-packet one-way delay: 62.956 ms
Loss rate: 12.54%
```
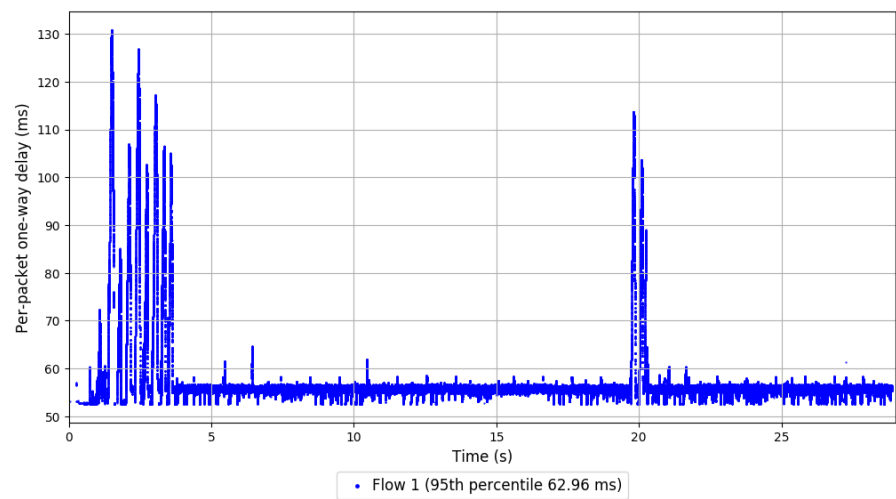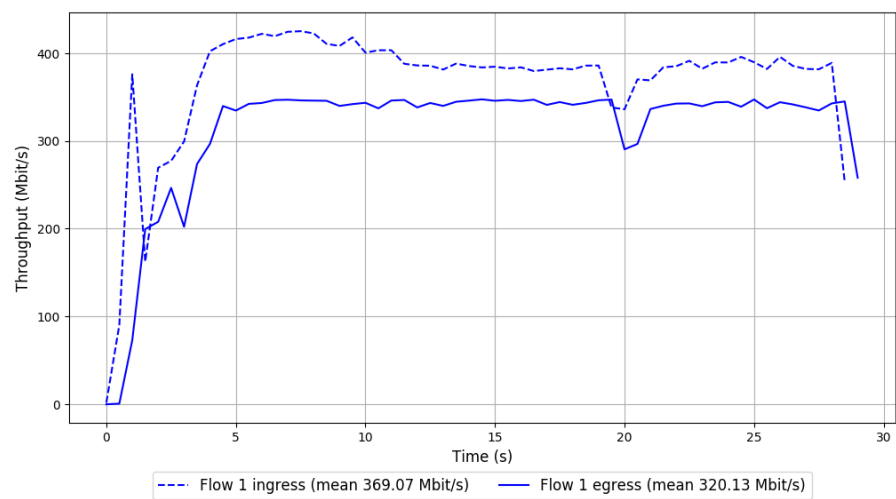
Run 3: Report of Indigo-MusesC3 — Data Link

Flow 1 ingress (mean 382.54 Mbit/s)   Flow 1 egress (mean 334.59 Mbit/s)

Flow 1 (95th percentile 62.96 ms)

```
Run 4: Statistics of Indigo-MusesC3

Start at: 2019-11-23 23:58:38
End at: 2019-11-23 23:59:08
Local clock offset: 2.391 ms
Remote clock offset: -40.091 ms


# Below is generated by plot.py at 2019-11-24 01:01:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.89 Mbit/s
95th percentile per-packet one-way delay: 59.604 ms
Loss rate: 13.21%
-- Flow 1:
Average throughput: 337.89 Mbit/s
95th percentile per-packet one-way delay: 59.604 ms
Loss rate: 13.21%
```
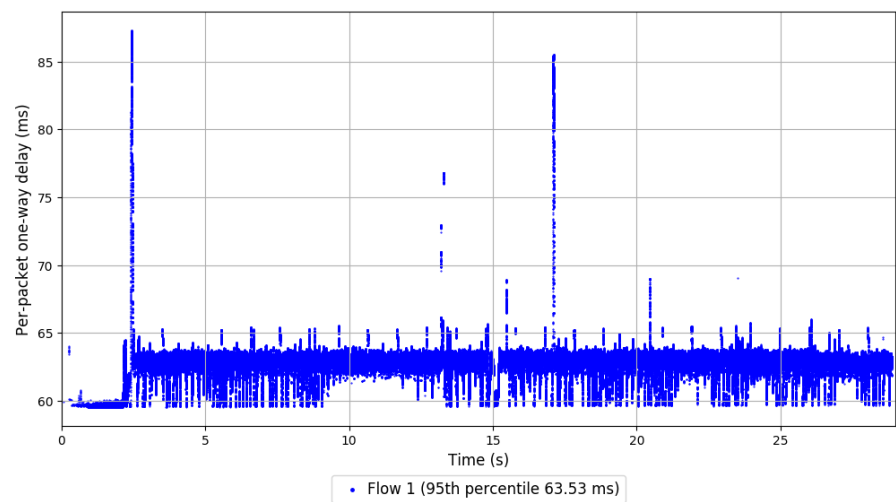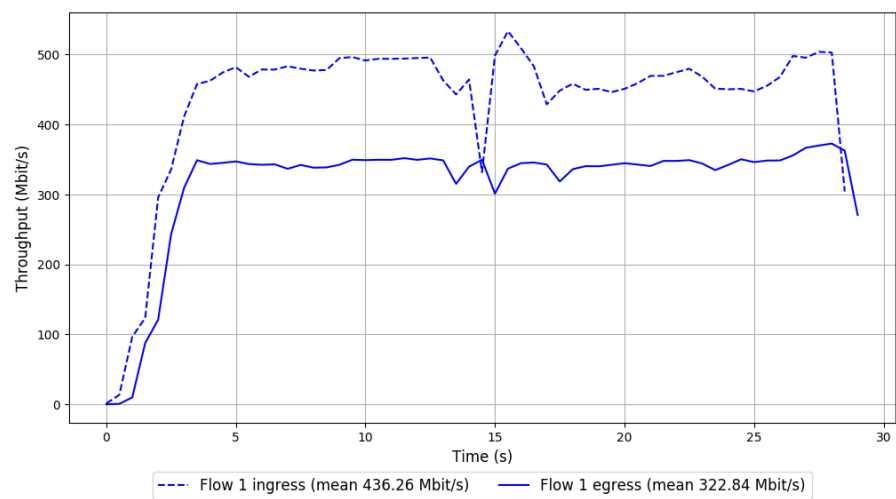
Run 4: Report of Indigo-MusesC3 — Data Link

Flow 1 ingress (mean 389.33 Mbit/s)   Flow 1 egress (mean 337.89 Mbit/s)

Flow 1 (95th percentile 59.60 ms)

```
Run 5: Statistics of Indigo-MusesC3

Start at: 2019-11-24 00:29:17
End at: 2019-11-24 00:29:47
Local clock offset: 1.911 ms
Remote clock offset: -40.851 ms


# Below is generated by plot.py at 2019-11-24 01:01:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.13 Mbit/s
95th percentile per-packet one-way delay: 62.959 ms
Loss rate: 13.25%
-- Flow 1:
Average throughput: 320.13 Mbit/s
95th percentile per-packet one-way delay: 62.959 ms
Loss rate: 13.25%
```
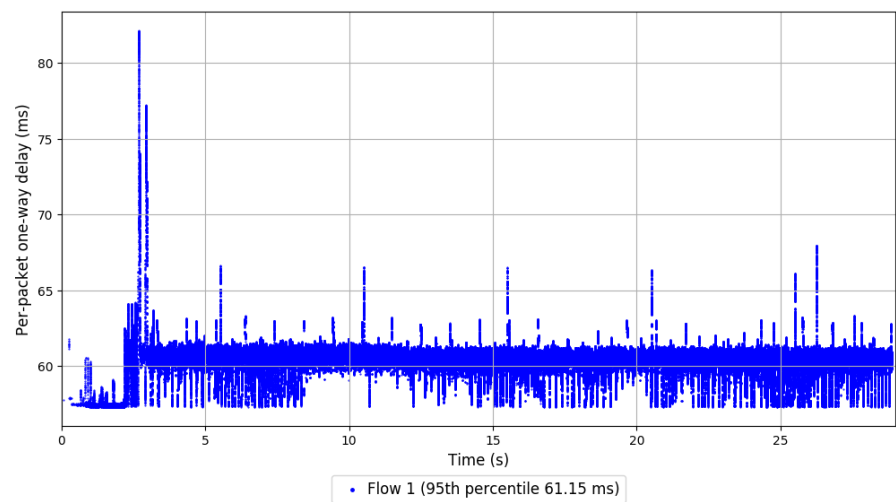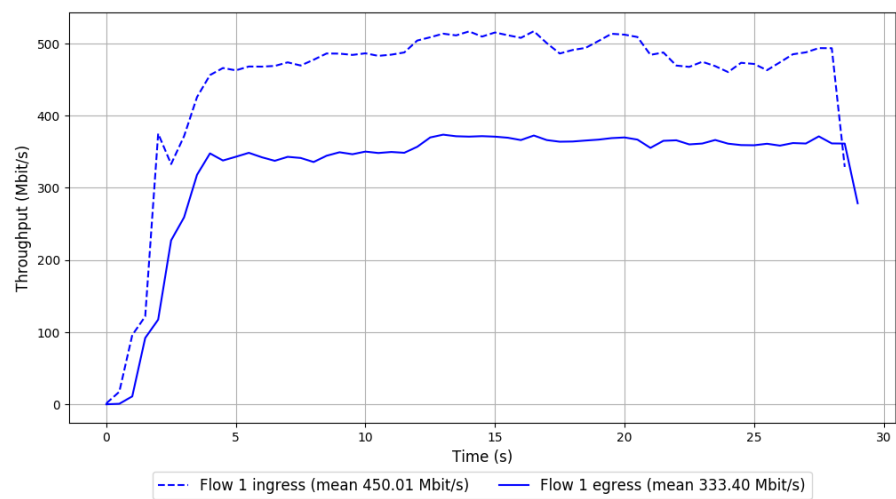
Run 5: Report of Indigo-MusesC3 — Data Link

```
Run 1: Statistics of Indigo-MusesC5

Start at: 2019-11-23 22:32:12
End at: 2019-11-23 22:32:42
Local clock offset: -3.737 ms
Remote clock offset: -40.893 ms


# Below is generated by plot.py at 2019-11-24 01:02:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 322.84 Mbit/s
95th percentile per-packet one-way delay: 63.530 ms
Loss rate: 25.99%
-- Flow 1:
Average throughput: 322.84 Mbit/s
95th percentile per-packet one-way delay: 63.530 ms
Loss rate: 25.99%
```
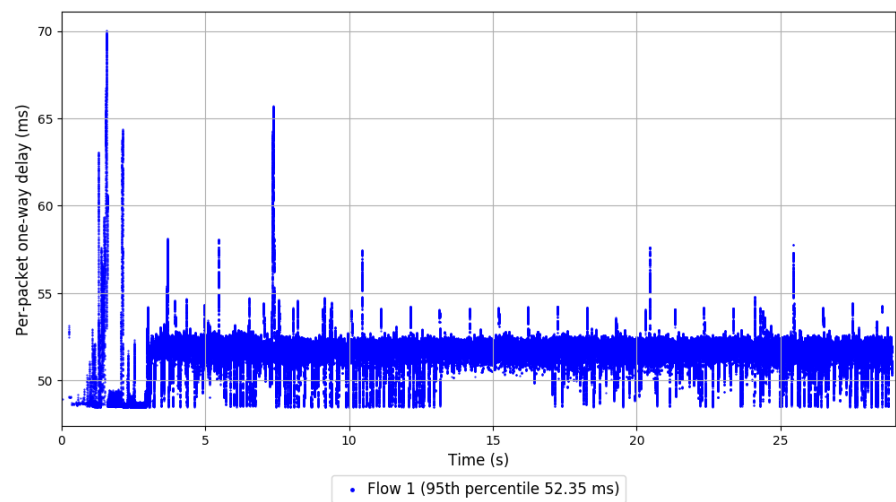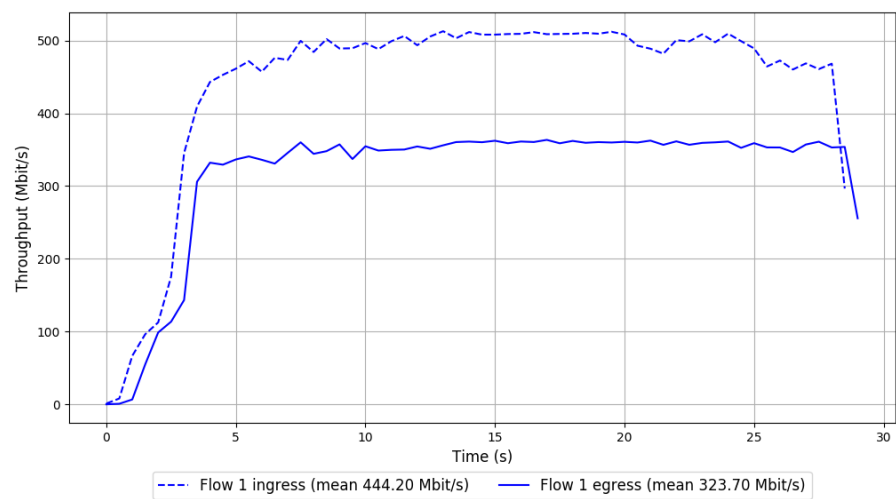
Run 1: Report of Indigo-MusesC5 — Data Link

```
Run 2: Statistics of Indigo-MusesC5

Start at: 2019-11-23 23:02:53
End at: 2019-11-23 23:03:23
Local clock offset: 0.247 ms
Remote clock offset: -38.434 ms


# Below is generated by plot.py at 2019-11-24 01:04:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.40 Mbit/s
95th percentile per-packet one-way delay: 61.145 ms
Loss rate: 25.91%
-- Flow 1:
Average throughput: 333.40 Mbit/s
95th percentile per-packet one-way delay: 61.145 ms
Loss rate: 25.91%
```
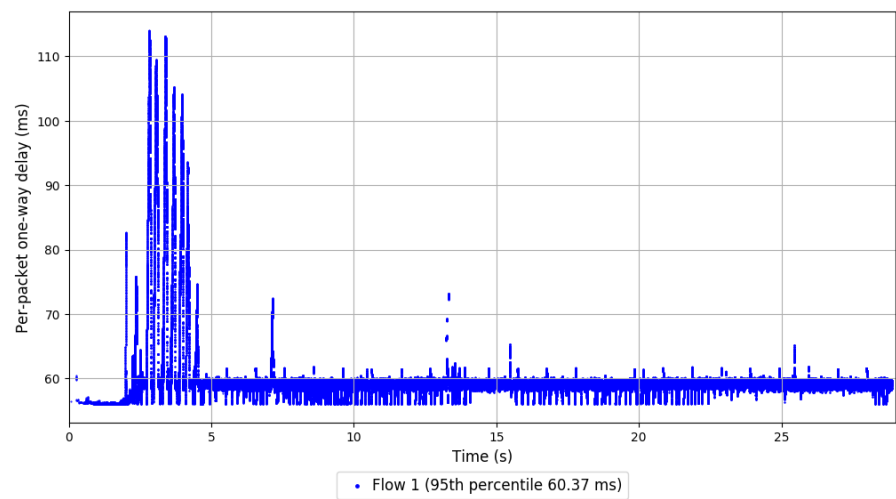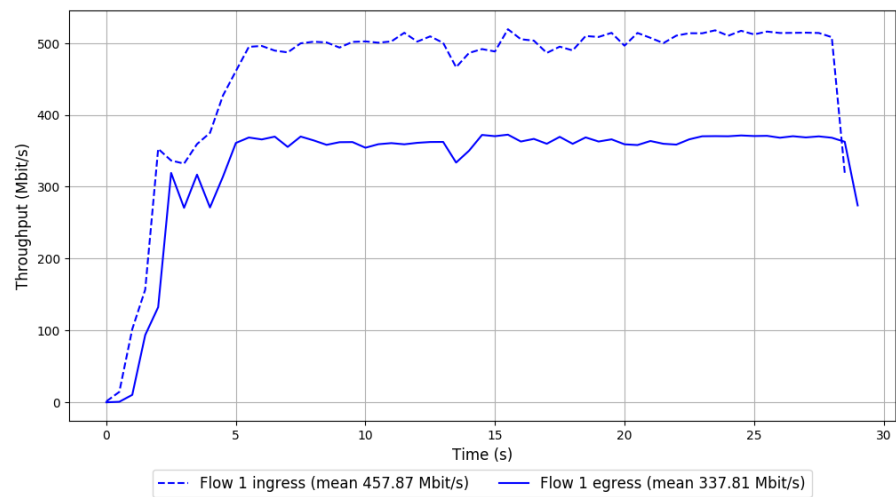
Run 2: Report of Indigo-MusesC5 — Data Link

```
Run 3: Statistics of Indigo-MusesC5

Start at: 2019-11-23 23:33:33
End at: 2019-11-23 23:34:03
Local clock offset: 2.955 ms
Remote clock offset: -44.573 ms


# Below is generated by plot.py at 2019-11-24 01:05:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.70 Mbit/s
95th percentile per-packet one-way delay: 52.351 ms
Loss rate: 27.12%
-- Flow 1:
Average throughput: 323.70 Mbit/s
95th percentile per-packet one-way delay: 52.351 ms
Loss rate: 27.12%
```
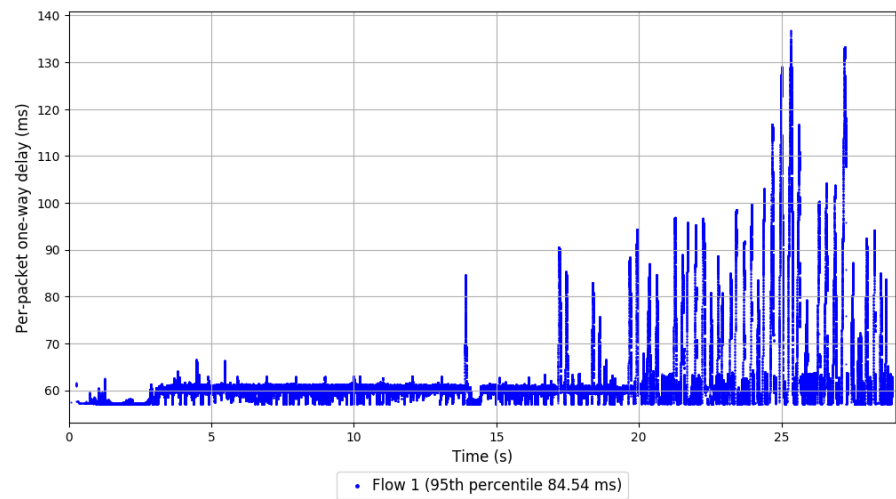
Run 3: Report of Indigo-MusesC5 — Data Link

```
Run 4: Statistics of Indigo-MusesC5

Start at: 2019-11-24 00:04:07
End at: 2019-11-24 00:04:38
Local clock offset: -1.022 ms
Remote clock offset: -40.533 ms


# Below is generated by plot.py at 2019-11-24 01:05:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.81 Mbit/s
95th percentile per-packet one-way delay: 60.372 ms
Loss rate: 26.21%
-- Flow 1:
Average throughput: 337.81 Mbit/s
95th percentile per-packet one-way delay: 60.372 ms
Loss rate: 26.21%
```

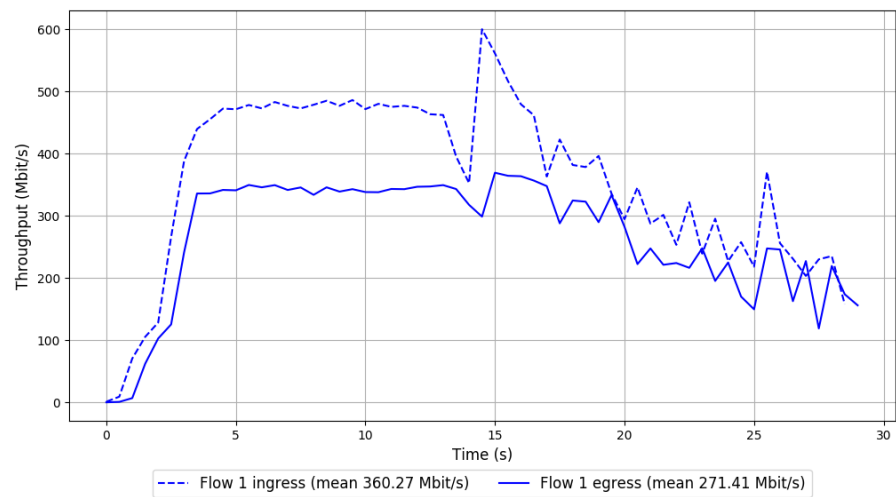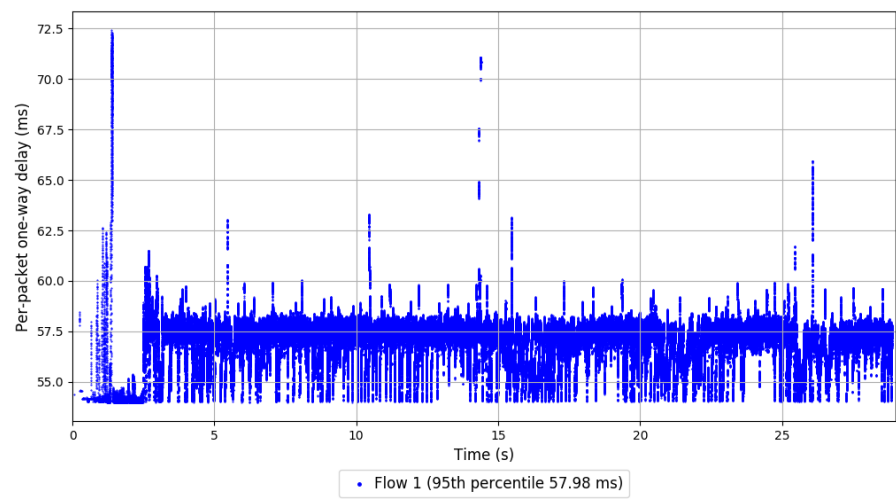Run 4: Report of Indigo-MusesC5 — Data Link

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```
Run 5: Statistics of Indigo-MusesC5

Start at: 2019-11-24 00:34:46
End at: 2019-11-24 00:35:16
Local clock offset: -2.524 ms
Remote clock offset: -43.607 ms


# Below is generated by plot.py at 2019-11-24 01:05:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.41 Mbit/s
95th percentile per-packet one-way delay: 84.542 ms
Loss rate: 24.66%
-- Flow 1:
Average throughput: 271.41 Mbit/s
95th percentile per-packet one-way delay: 84.542 ms
Loss rate: 24.66%
```

Run 5: Report of Indigo-MusesC5 — Data Link

Flow 1 ingress (mean 360.27 Mbit/s)   Flow 1 egress (mean 271.41 Mbit/s)
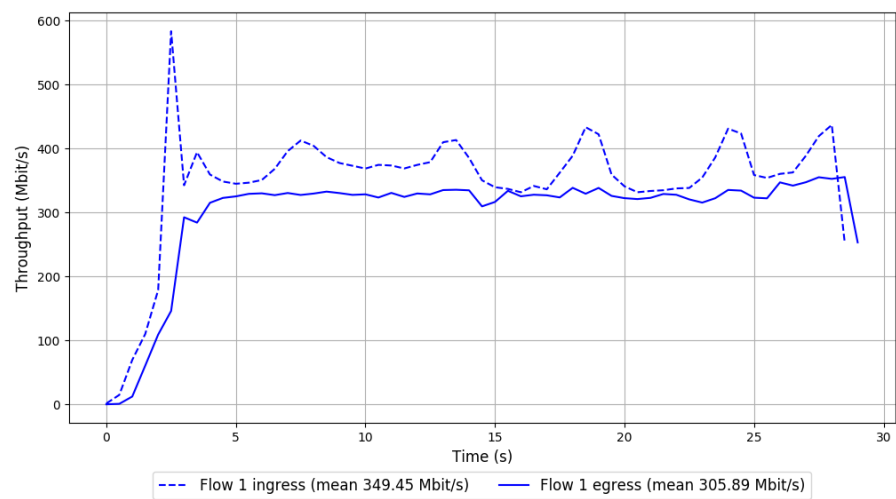

Flow 1 (95th percentile 84.54 ms)

```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-11-23 22:24:11
End at: 2019-11-23 22:24:41
Local clock offset: -0.256 ms
Remote clock offset: -41.184 ms


# Below is generated by plot.py at 2019-11-24 01:05:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 305.89 Mbit/s
95th percentile per-packet one-way delay: 57.978 ms
Loss rate: 12.45%
-- Flow 1:
Average throughput: 305.89 Mbit/s
95th percentile per-packet one-way delay: 57.978 ms
Loss rate: 12.45%
```

Run 1: Report of Indigo-MusesD — Data Link

```
Run 2: Statistics of Indigo-MusesD

Start at: 2019-11-23 22:54:51
End at: 2019-11-23 22:55:21
Local clock offset: 1.44 ms
Remote clock offset: -42.904 ms


# Below is generated by plot.py at 2019-11-24 01:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.99 Mbit/s
95th percentile per-packet one-way delay: 56.181 ms
Loss rate: 11.69%
-- Flow 1:
Average throughput: 325.99 Mbit/s
95th percentile per-packet one-way delay: 56.181 ms
Loss rate: 11.69%
```
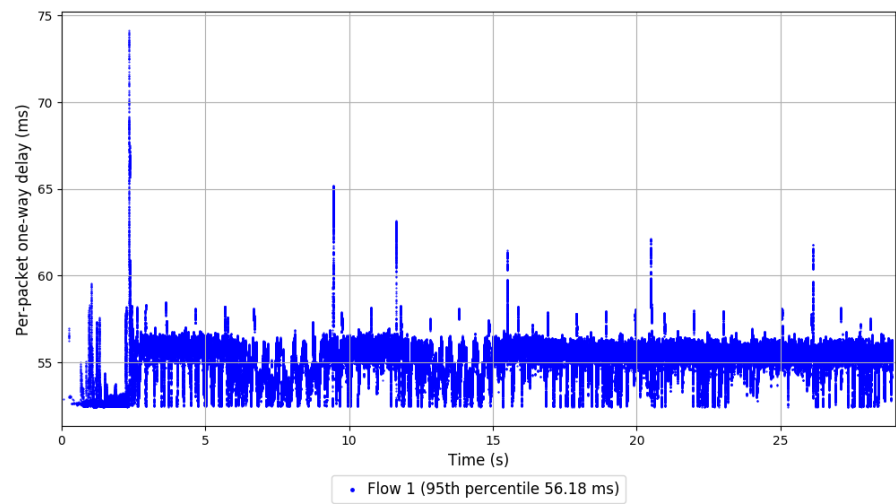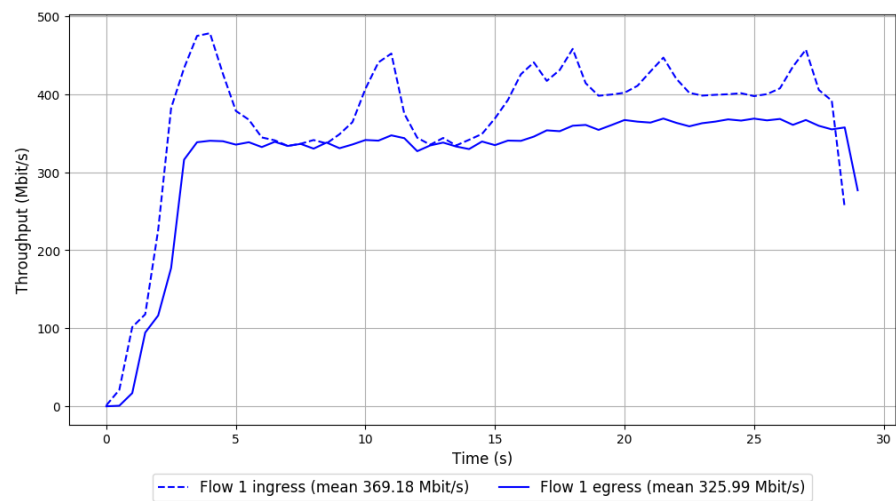
Run 2: Report of Indigo-MusesD — Data Link

```
Run 3: Statistics of Indigo-MusesD

Start at: 2019-11-23 23:25:26
End at: 2019-11-23 23:25:56
Local clock offset: 3.188 ms
Remote clock offset: -38.083 ms


# Below is generated by plot.py at 2019-11-24 01:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 313.27 Mbit/s
95th percentile per-packet one-way delay: 58.395 ms
Loss rate: 13.15%
-- Flow 1:
Average throughput: 313.27 Mbit/s
95th percentile per-packet one-way delay: 58.395 ms
Loss rate: 13.15%
```
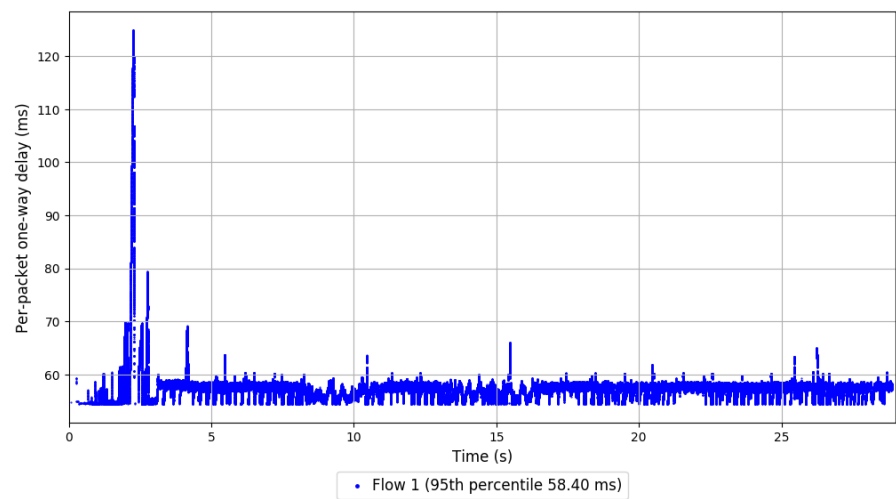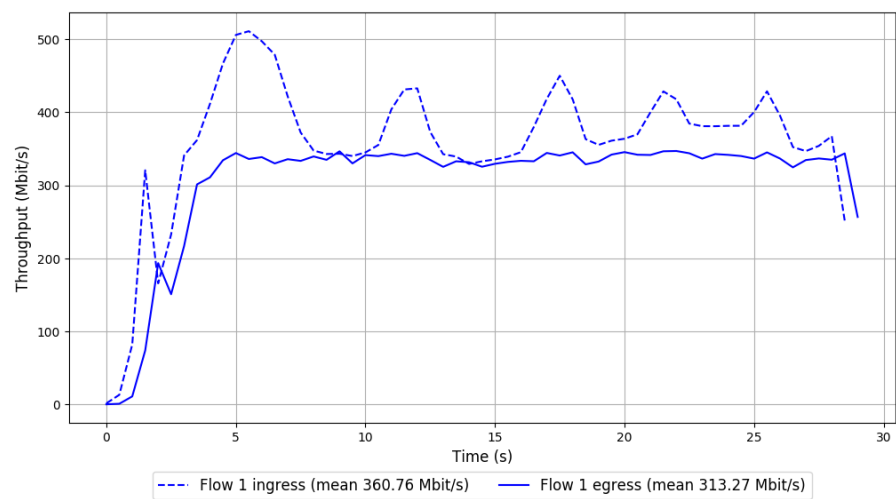
Run 3: Report of Indigo-MusesD — Data Link

```
Run 4: Statistics of Indigo-MusesD

Start at: 2019-11-23 23:56:04
End at: 2019-11-23 23:56:34
Local clock offset: 1.653 ms
Remote clock offset: -40.924 ms


# Below is generated by plot.py at 2019-11-24 01:05:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 307.46 Mbit/s
95th percentile per-packet one-way delay: 57.553 ms
Loss rate: 12.61%
-- Flow 1:
Average throughput: 307.46 Mbit/s
95th percentile per-packet one-way delay: 57.553 ms
Loss rate: 12.61%
```
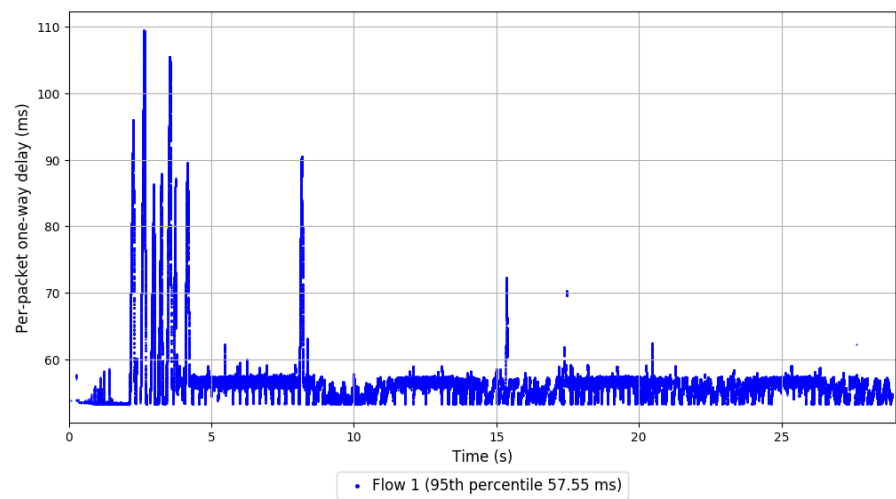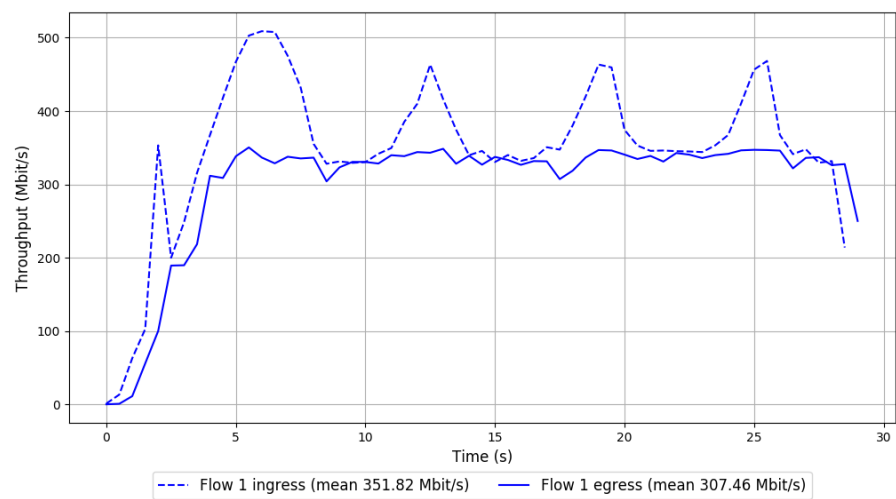
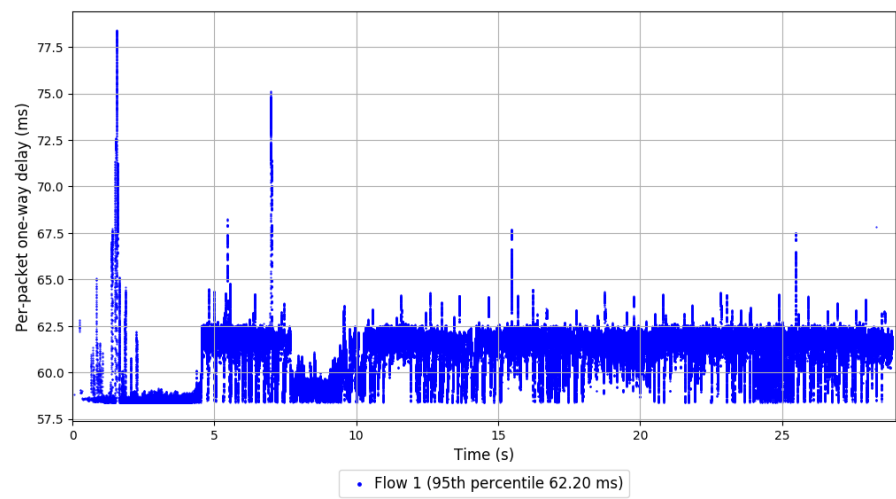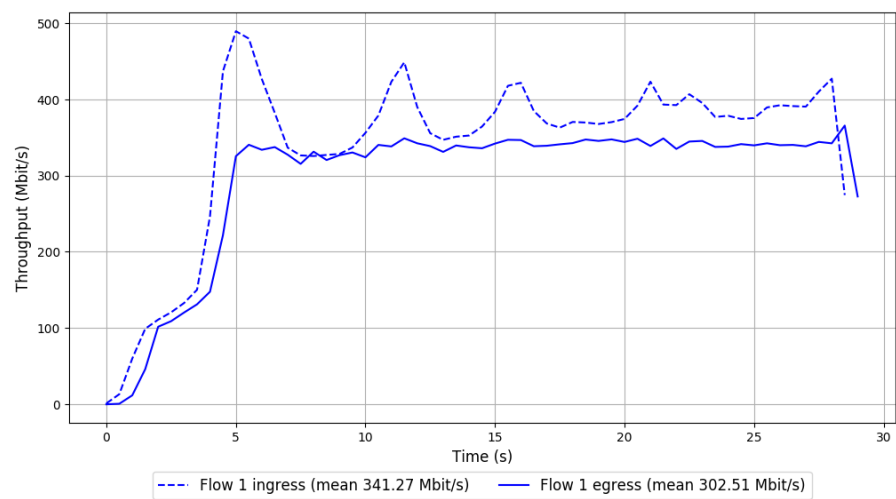# Run 4: Report of Indigo-MusesD — Data Link

```
Run 5: Statistics of Indigo-MusesD

Start at: 2019-11-24 00:26:42
End at: 2019-11-24 00:27:12
Local clock offset: 1.807 ms
Remote clock offset: -38.007 ms


# Below is generated by plot.py at 2019-11-24 01:07:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 302.51 Mbit/s
95th percentile per-packet one-way delay: 62.204 ms
Loss rate: 11.35%
-- Flow 1:
Average throughput: 302.51 Mbit/s
95th percentile per-packet one-way delay: 62.204 ms
Loss rate: 11.35%
```

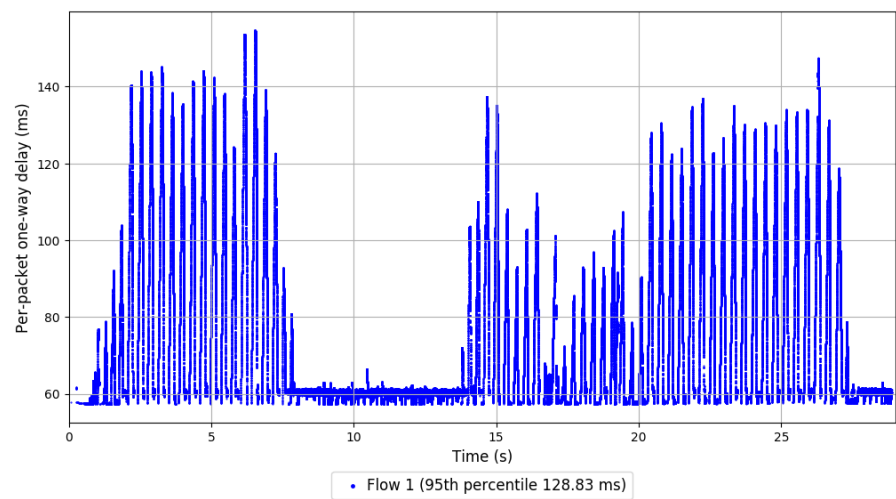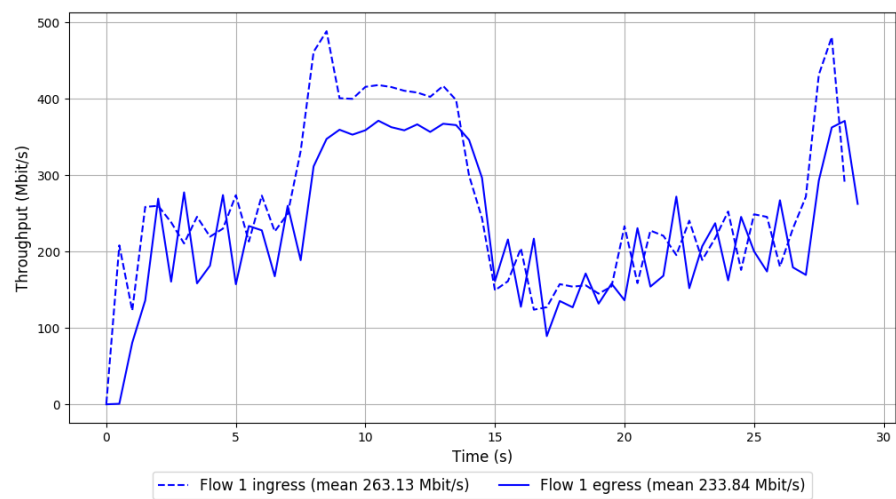Run 5: Report of Indigo-MusesD — Data Link

94

```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-11-23 22:30:51
End at: 2019-11-23 22:31:21
Local clock offset: -1.989 ms
Remote clock offset: -43.318 ms


# Below is generated by plot.py at 2019-11-24 01:07:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.84 Mbit/s
95th percentile per-packet one-way delay: 128.828 ms
Loss rate: 11.13%
-- Flow 1:
Average throughput: 233.84 Mbit/s
95th percentile per-packet one-way delay: 128.828 ms
Loss rate: 11.13%
```

Run 1: Report of Indigo-MusesT — Data Link

96

```
Run 2: Statistics of Indigo-MusesT

Start at: 2019-11-23 23:01:29
End at: 2019-11-23 23:01:59
Local clock offset: 1.535 ms
Remote clock offset: -40.778 ms


# Below is generated by plot.py at 2019-11-24 01:08:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.10 Mbit/s
95th percentile per-packet one-way delay: 57.838 ms
Loss rate: 11.14%
-- Flow 1:
Average throughput: 318.10 Mbit/s
95th percentile per-packet one-way delay: 57.838 ms
Loss rate: 11.14%
```
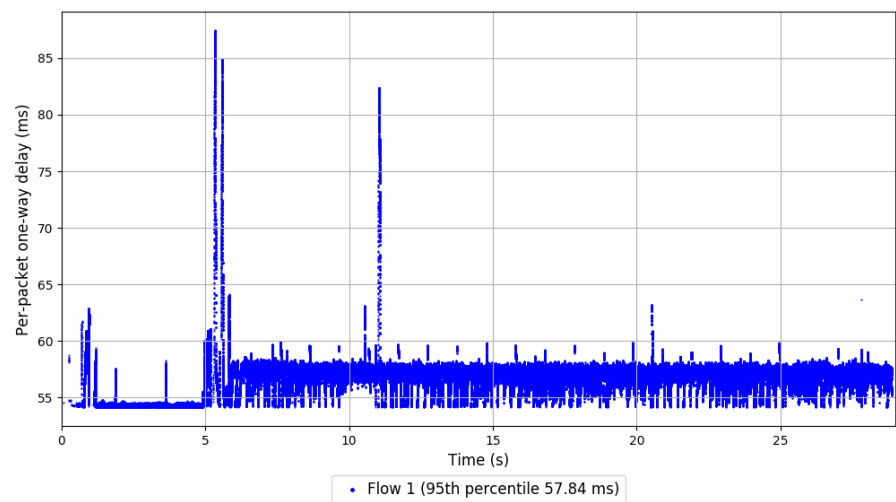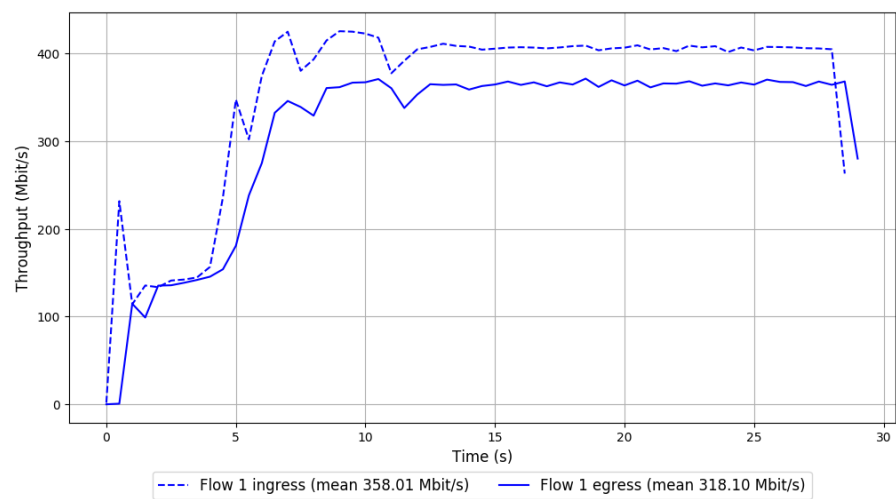
Run 2: Report of Indigo-MusesT — Data Link

```
Run 3: Statistics of Indigo-MusesT

Start at: 2019-11-23 23:32:08
End at: 2019-11-23 23:32:38
Local clock offset: 3.048 ms
Remote clock offset: -37.889 ms


# Below is generated by plot.py at 2019-11-24 01:08:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.43 Mbit/s
95th percentile per-packet one-way delay: 58.647 ms
Loss rate: 10.12%
-- Flow 1:
Average throughput: 345.43 Mbit/s
95th percentile per-packet one-way delay: 58.647 ms
Loss rate: 10.12%
```
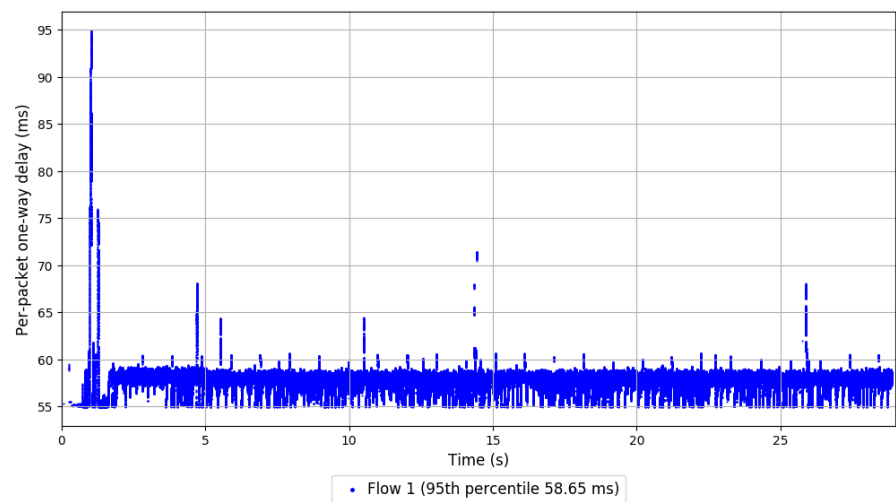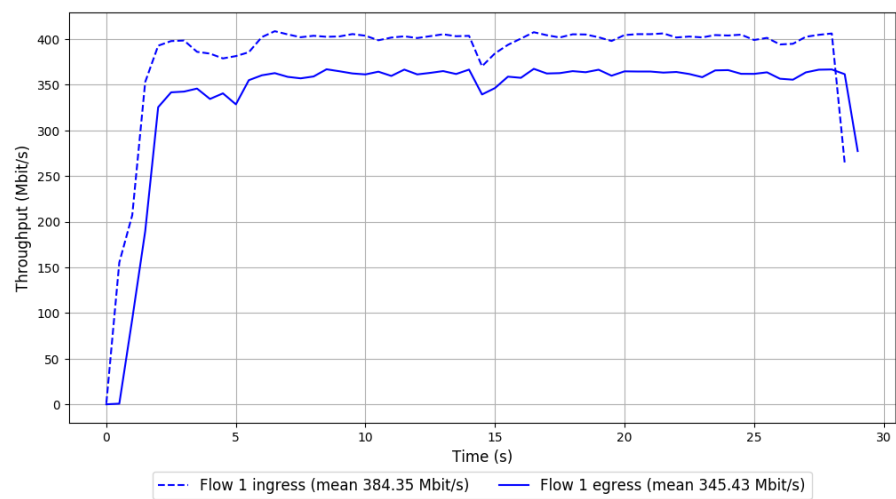
Run 3: Report of Indigo-MusesT — Data Link

```
Run 4: Statistics of Indigo-MusesT

Start at: 2019-11-24 00:02:42
End at: 2019-11-24 00:03:12
Local clock offset: 3.344 ms
Remote clock offset: -42.896 ms


# Below is generated by plot.py at 2019-11-24 01:08:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.43 Mbit/s
95th percentile per-packet one-way delay: 53.391 ms
Loss rate: 10.44%
-- Flow 1:
Average throughput: 321.43 Mbit/s
95th percentile per-packet one-way delay: 53.391 ms
Loss rate: 10.44%
```
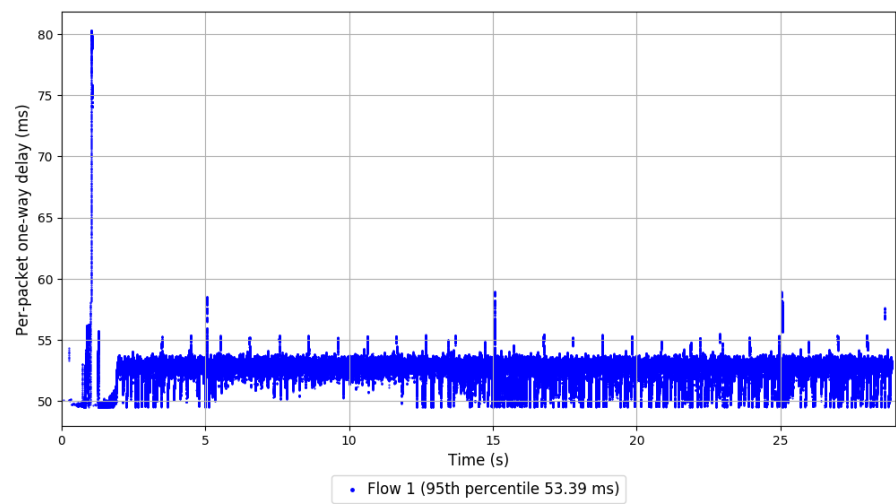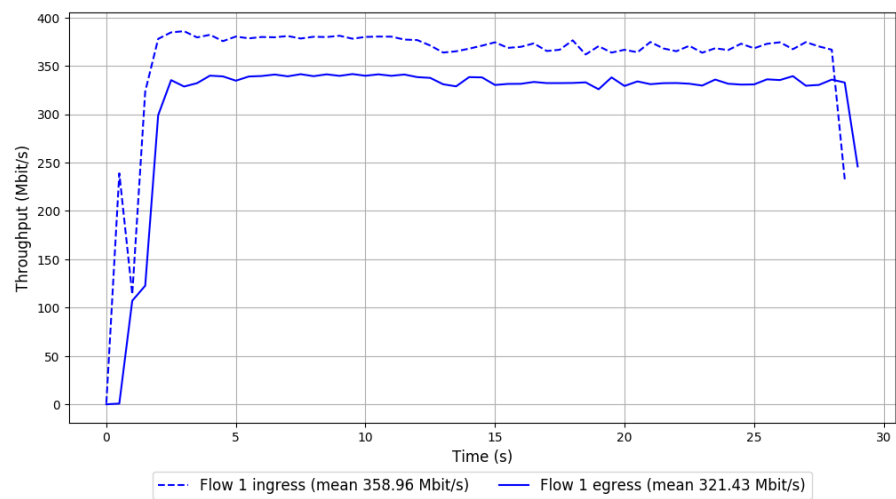
Run 4: Report of Indigo-MusesT — Data Link

```
Run 5: Statistics of Indigo-MusesT

Start at: 2019-11-24 00:33:21
End at: 2019-11-24 00:33:51
Local clock offset: 1.428 ms
Remote clock offset: -38.5 ms


# Below is generated by plot.py at 2019-11-24 01:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 332.12 Mbit/s
95th percentile per-packet one-way delay: 62.194 ms
Loss rate: 9.59%
-- Flow 1:
Average throughput: 332.12 Mbit/s
95th percentile per-packet one-way delay: 62.194 ms
Loss rate: 9.59%
```
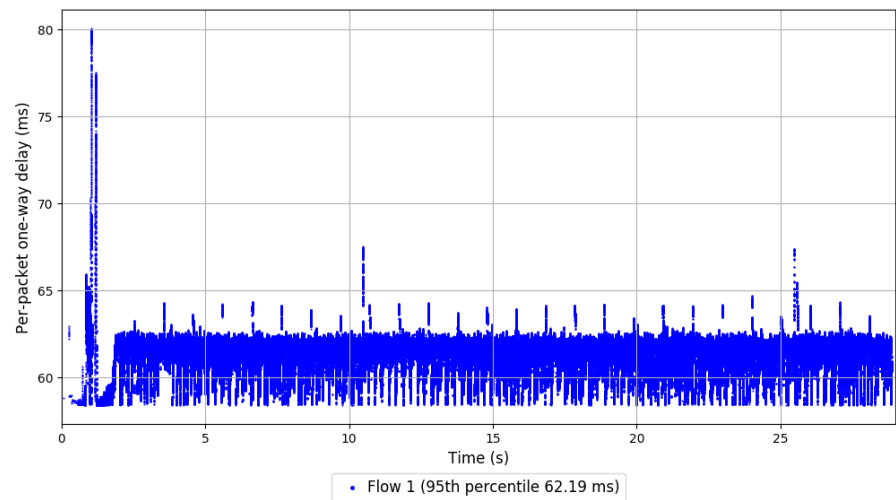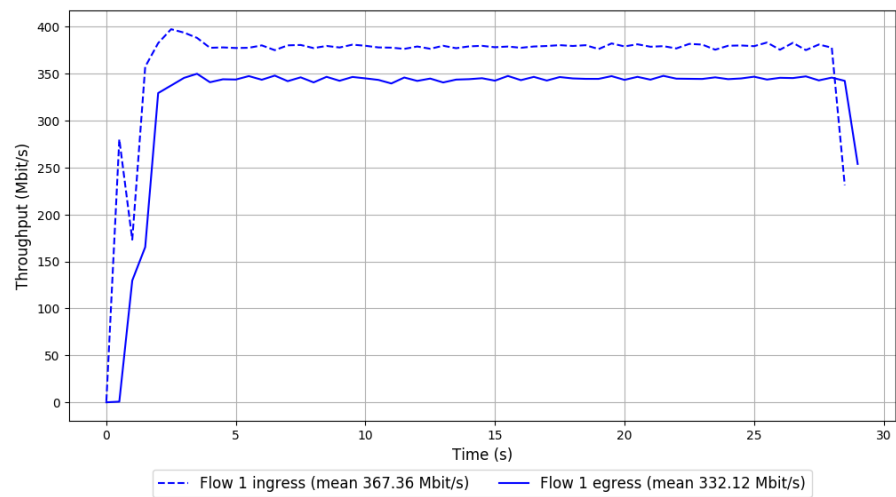
Run 5: Report of Indigo-MusesT — Data Link
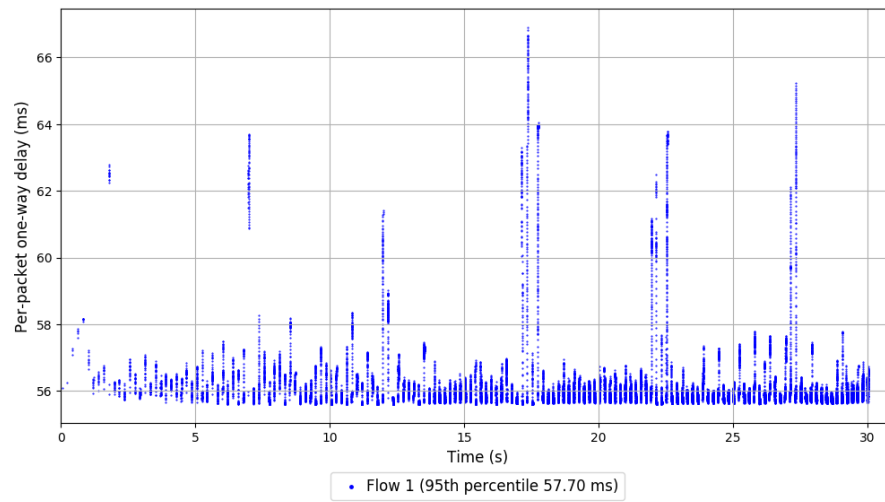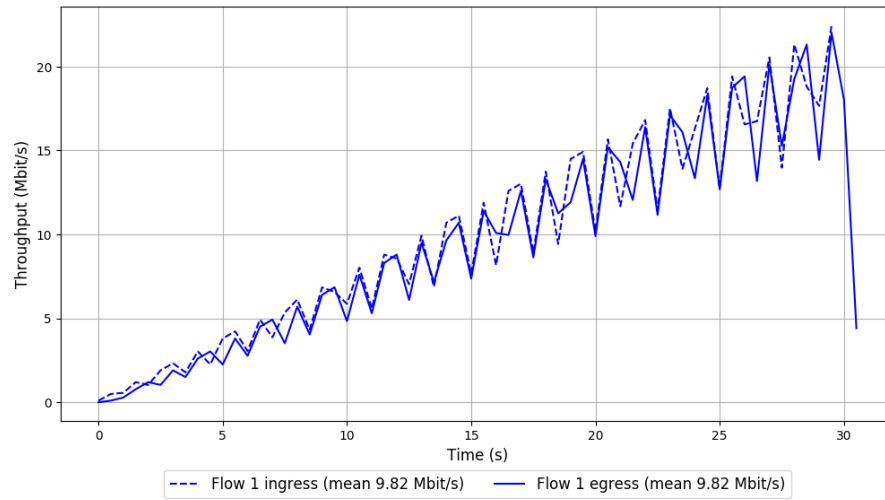
```
Run 1: Statistics of LEDBAT

Start at: 2019-11-23 22:37:33
End at: 2019-11-23 22:38:03
Local clock offset: 2.85 ms
Remote clock offset: -38.666 ms


# Below is generated by plot.py at 2019-11-24 01:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 57.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 57.705 ms
Loss rate: 0.00%
```

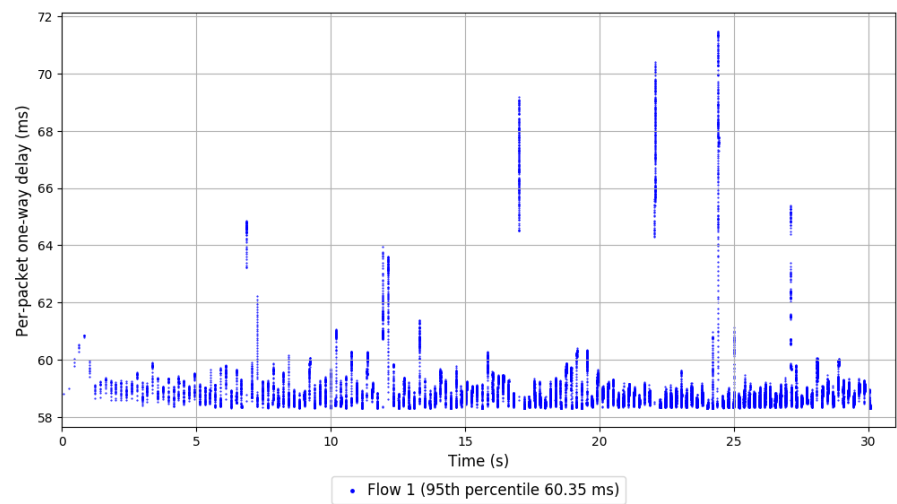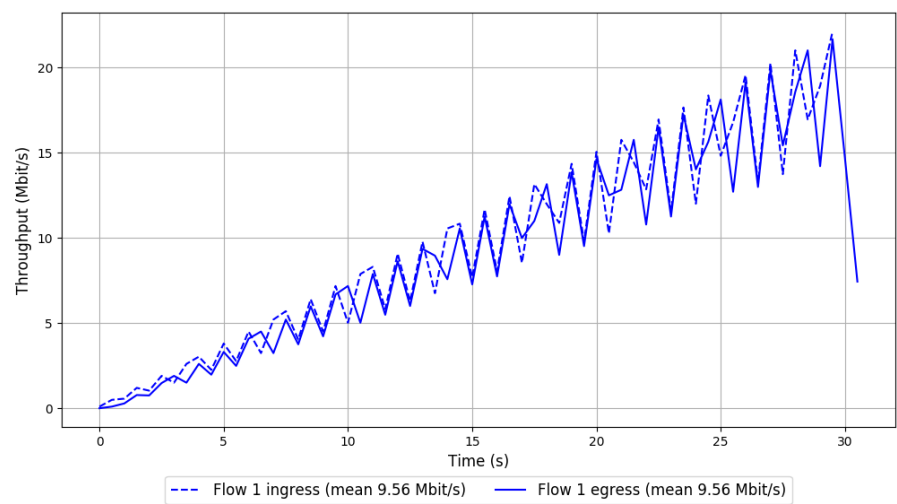# Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2019-11-23 23:08:14
End at: 2019-11-23 23:08:44
Local clock offset: 1.821 ms
Remote clock offset: -38.265 ms


# Below is generated by plot.py at 2019-11-24 01:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 60.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 60.347 ms
Loss rate: 0.00%
```

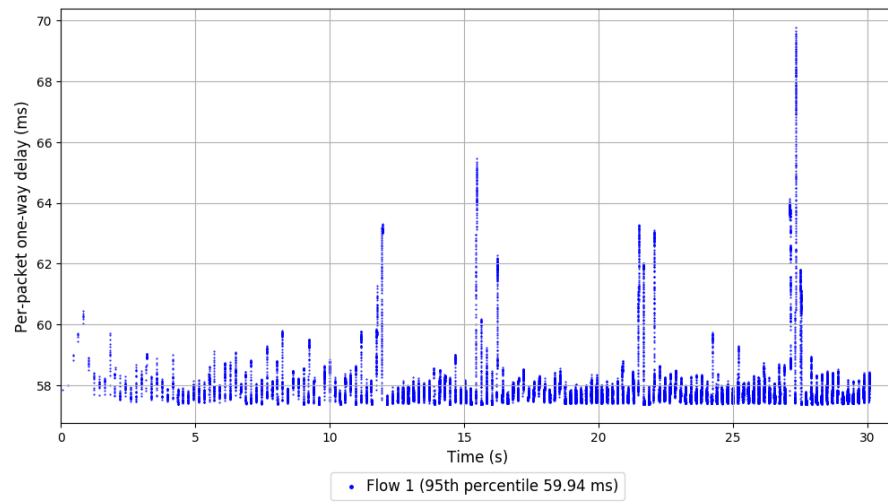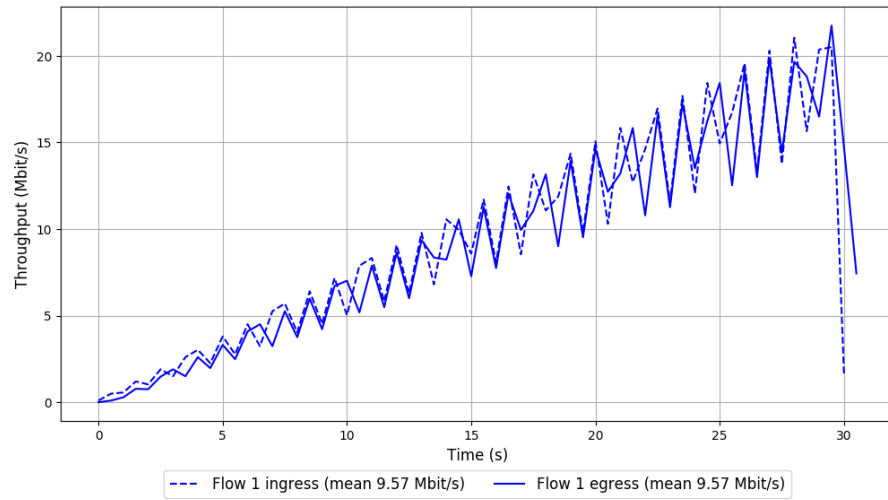# Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2019-11-23 23:38:52
End at: 2019-11-23 23:39:22
Local clock offset: 2.176 ms
Remote clock offset: -38.877 ms


# Below is generated by plot.py at 2019-11-24 01:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 59.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 59.944 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 9.57 Mbit/s)   Flow 1 egress (mean 9.57 Mbit/s)
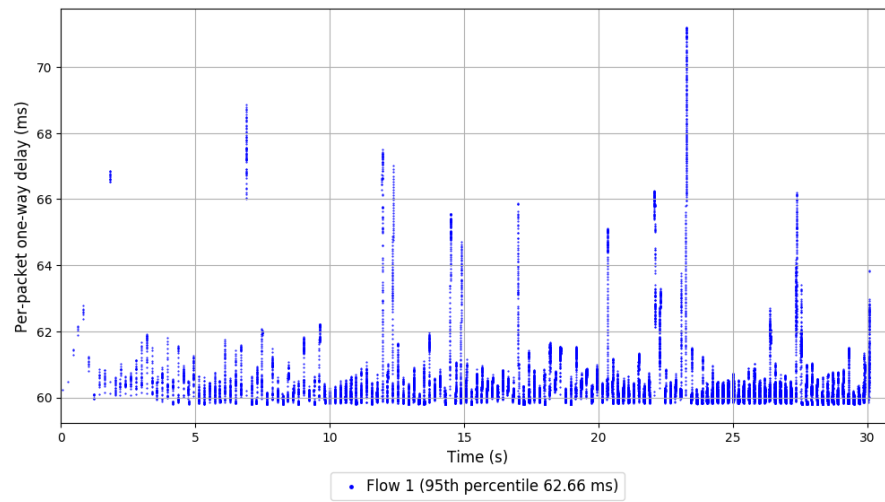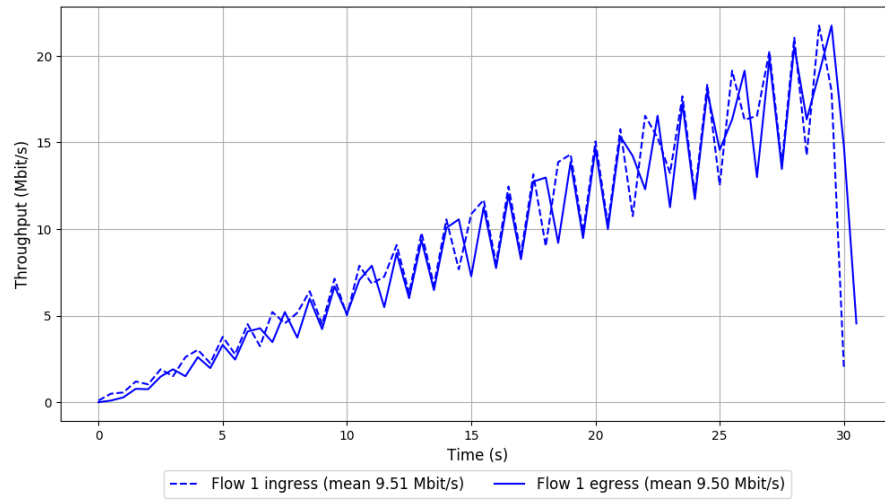

Flow 1 (95th percentile 59.94 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2019-11-24 00:09:30
End at: 2019-11-24 00:10:00
Local clock offset: -3.164 ms
Remote clock offset: -41.397 ms

# Below is generated by plot.py at 2019-11-24 01:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 62.663 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 62.663 ms
Loss rate: 0.10%
```
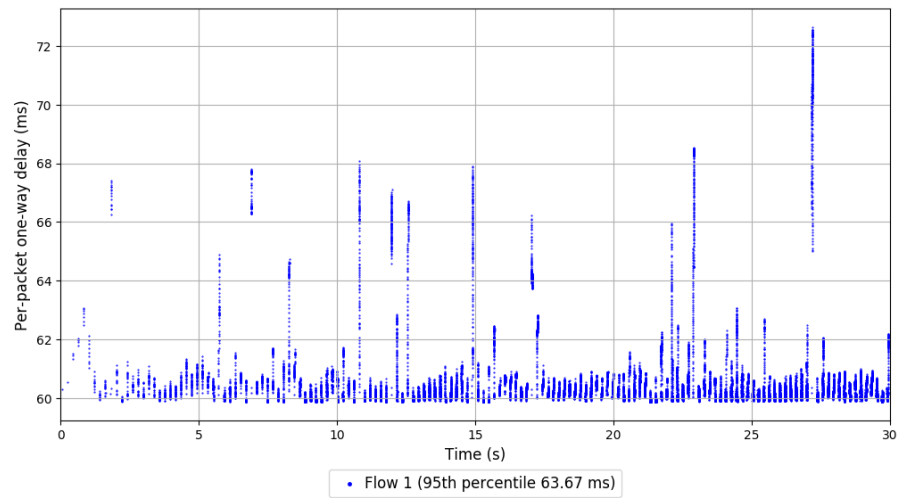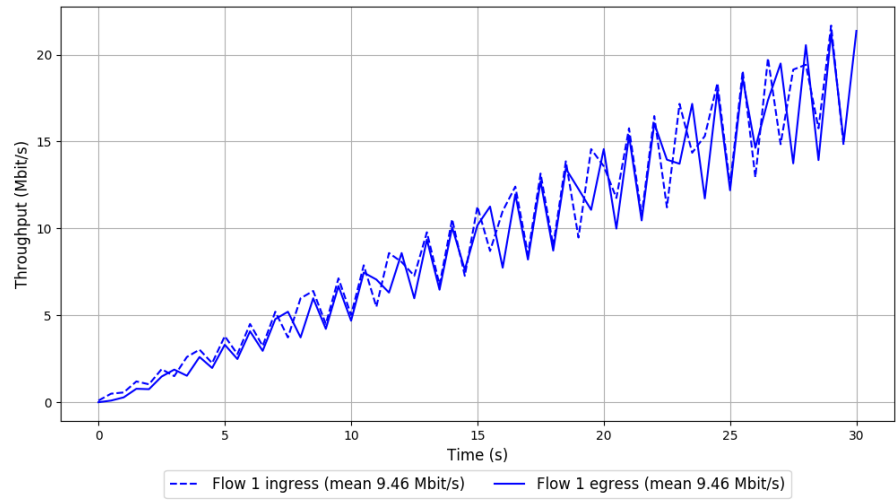
Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2019-11-24 00:40:03
End at: 2019-11-24 00:40:33
Local clock offset: 0.42 ms
Remote clock offset: -38.064 ms


# Below is generated by plot.py at 2019-11-24 01:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 63.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 63.671 ms
Loss rate: 0.00%
```

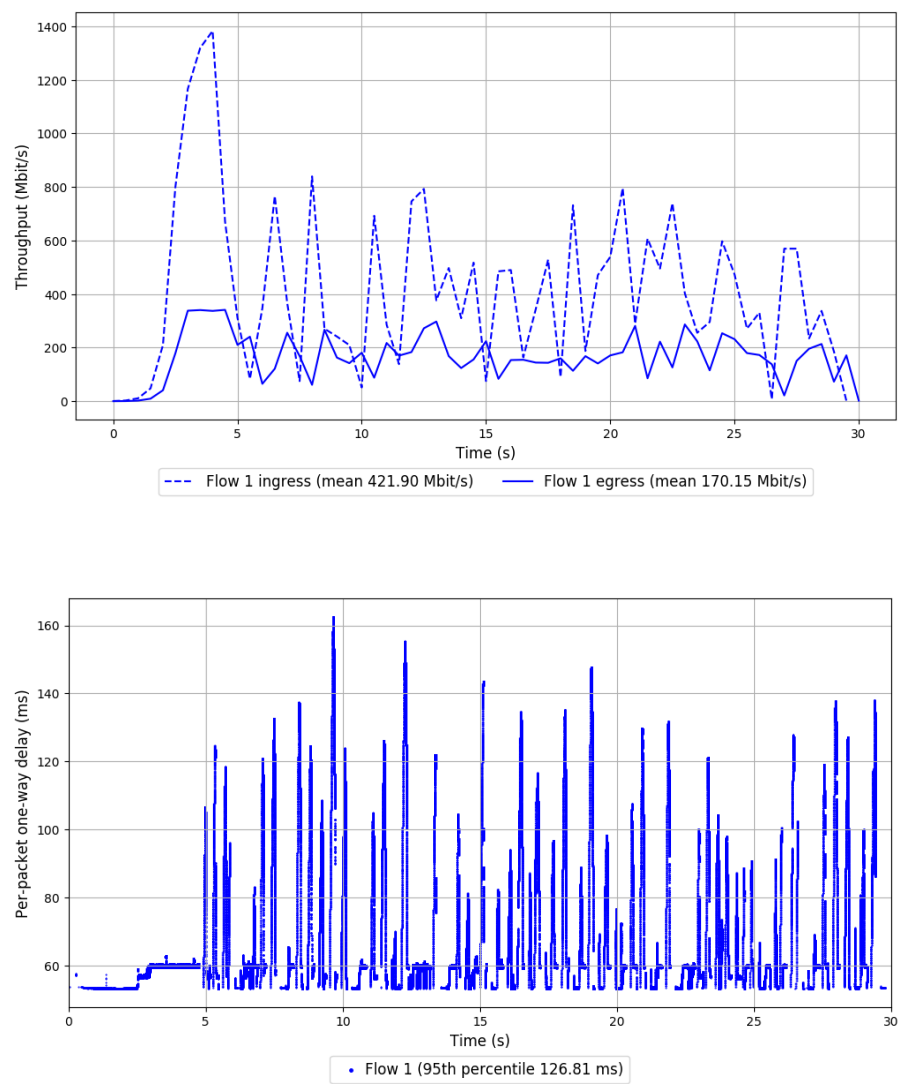# Run 5: Report of LEDBAT — Data Link

```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-11-23 22:29:30
End at: 2019-11-23 22:30:00
Local clock offset: -0.175 ms
Remote clock offset: -42.639 ms


# Below is generated by plot.py at 2019-11-24 01:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.15 Mbit/s
95th percentile per-packet one-way delay: 126.811 ms
Loss rate: 59.67%
-- Flow 1:
Average throughput: 170.15 Mbit/s
95th percentile per-packet one-way delay: 126.811 ms
Loss rate: 59.67%
```

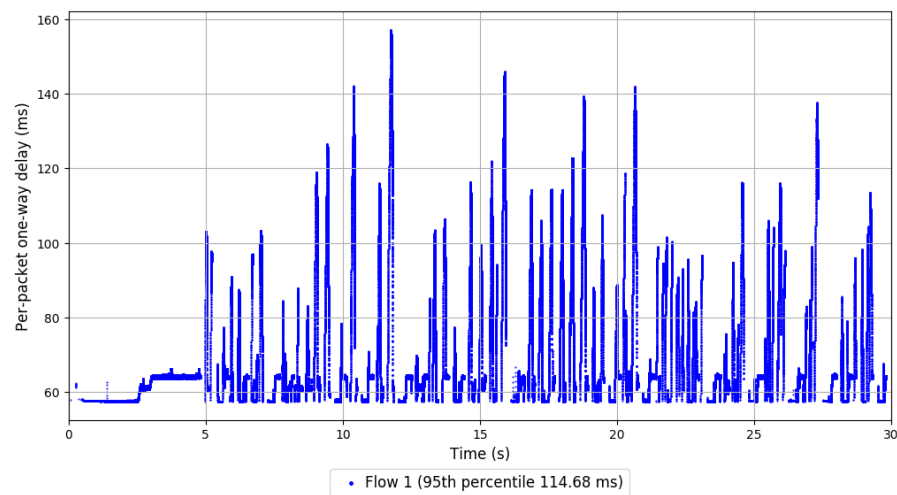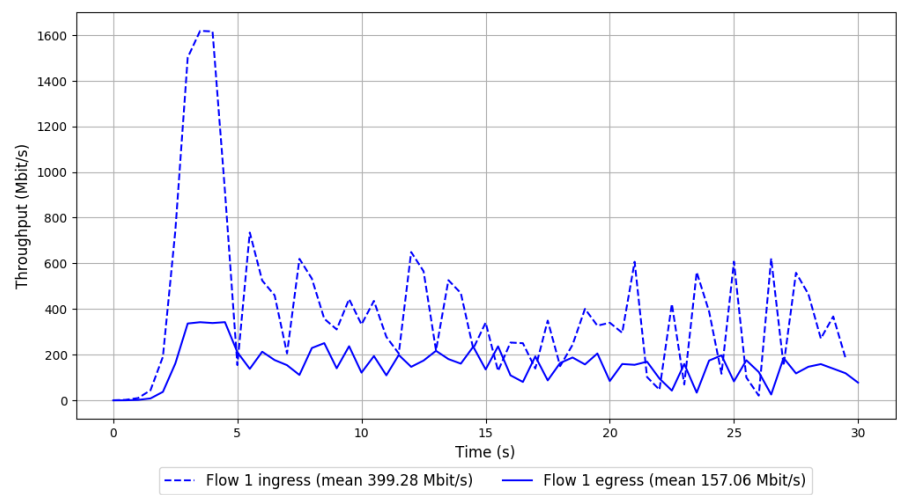Run 1: Report of Muses_DecisionTree — Data Link

```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-11-23 23:00:08
End at: 2019-11-23 23:00:38
Local clock offset: 1.45 ms
Remote clock offset: -40.054 ms


# Below is generated by plot.py at 2019-11-24 01:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.06 Mbit/s
95th percentile per-packet one-way delay: 114.680 ms
Loss rate: 60.66%
-- Flow 1:
Average throughput: 157.06 Mbit/s
95th percentile per-packet one-way delay: 114.680 ms
Loss rate: 60.66%
```

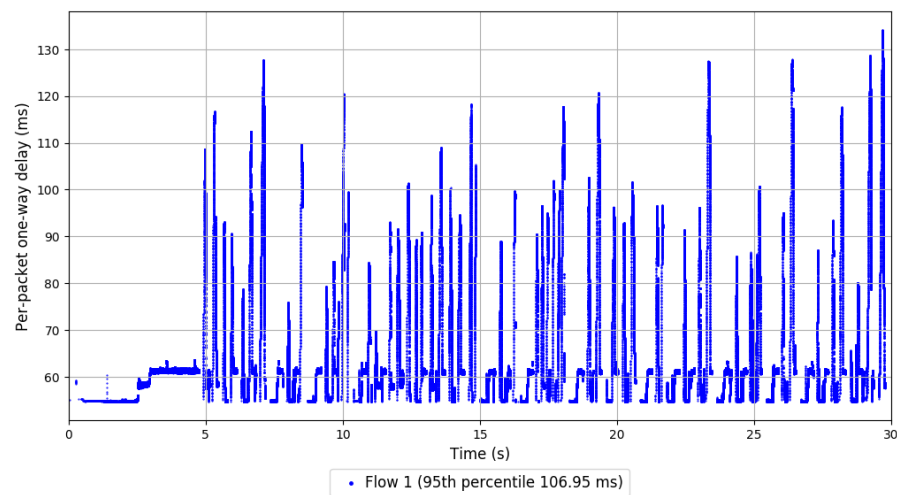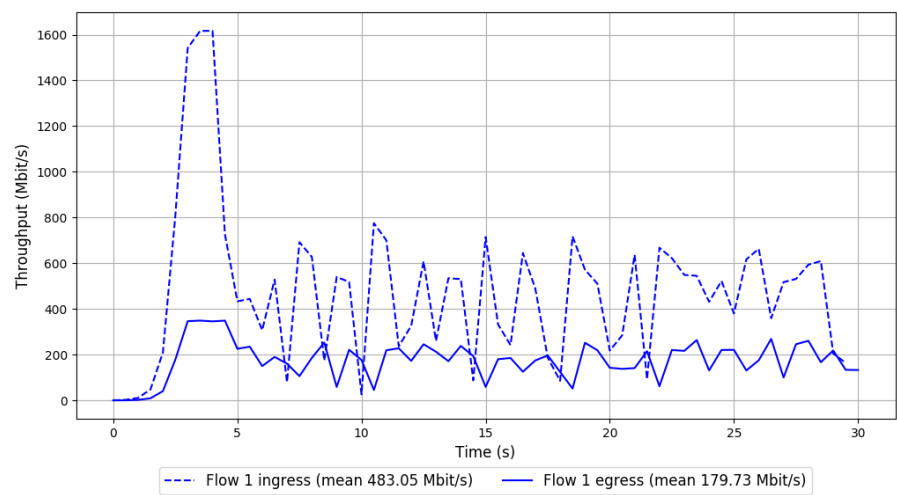Run 2: Report of Muses_DecisionTree — Data Link

```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-11-23 23:30:46
End at: 2019-11-23 23:31:16
Local clock offset: -1.579 ms
Remote clock offset: -42.691 ms


# Below is generated by plot.py at 2019-11-24 01:10:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.73 Mbit/s
95th percentile per-packet one-way delay: 106.949 ms
Loss rate: 62.79%
-- Flow 1:
Average throughput: 179.73 Mbit/s
95th percentile per-packet one-way delay: 106.949 ms
Loss rate: 62.79%
```

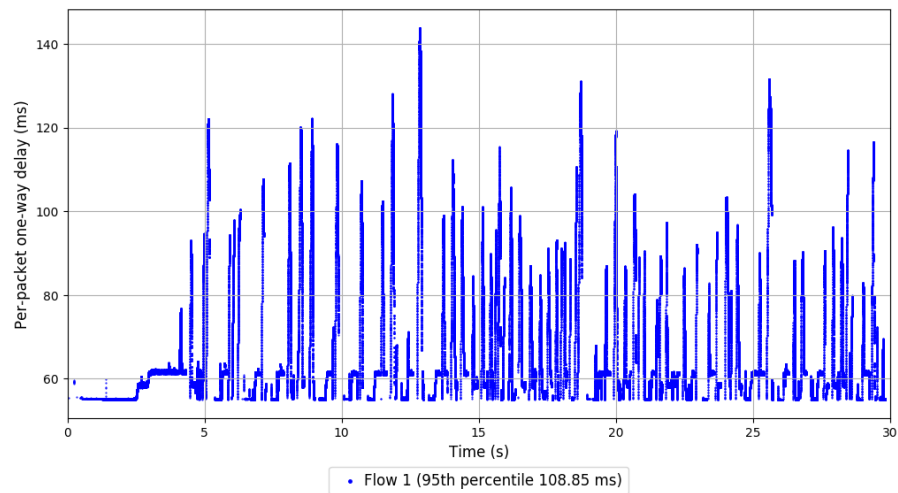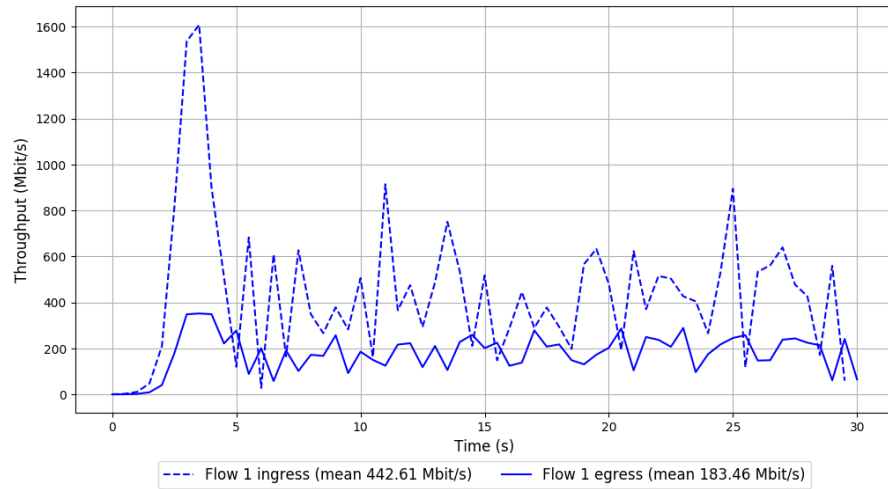Run 3: Report of Muses_DecisionTree — Data Link

```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 00:01:21
End at: 2019-11-24 00:01:51
Local clock offset: 2.345 ms
Remote clock offset: -38.189 ms


# Below is generated by plot.py at 2019-11-24 01:10:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.46 Mbit/s
95th percentile per-packet one-way delay: 108.854 ms
Loss rate: 58.55%
-- Flow 1:
Average throughput: 183.46 Mbit/s
95th percentile per-packet one-way delay: 108.854 ms
Loss rate: 58.55%
```

Run 4: Report of Muses_DecisionTree — Data Link

Flow 1 ingress (mean 442.61 Mbit/s) — Flow 1 egress (mean 183.46 Mbit/s)

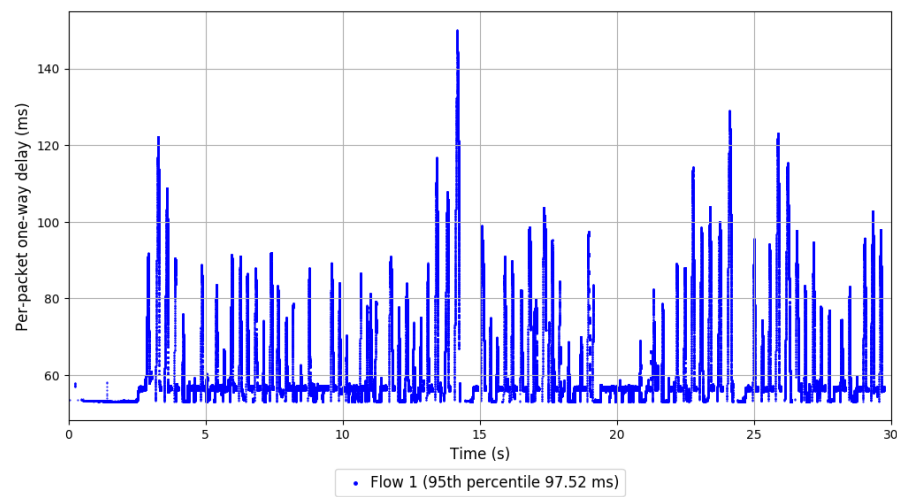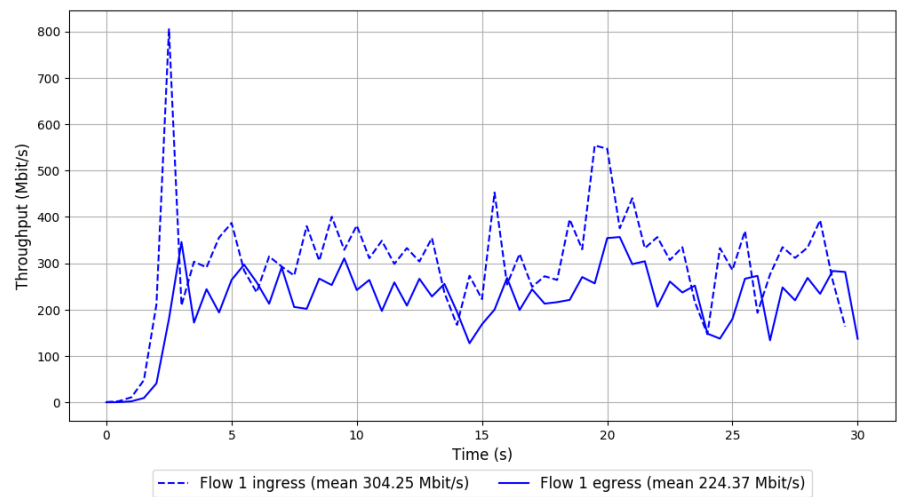
• Flow 1 (95th percentile 108.85 ms)

```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 00:31:59
End at: 2019-11-24 00:32:29
Local clock offset: 1.871 ms
Remote clock offset: -40.405 ms


# Below is generated by plot.py at 2019-11-24 01:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.37 Mbit/s
95th percentile per-packet one-way delay: 97.519 ms
Loss rate: 26.25%
-- Flow 1:
Average throughput: 224.37 Mbit/s
95th percentile per-packet one-way delay: 97.519 ms
Loss rate: 26.25%
```

Run 5: Report of Muses_DecisionTree — Data Link

Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-23 22:20:27
End at: 2019-11-23 22:20:57
Local clock offset: -2.478 ms
Remote clock offset: -42.177 ms

Run 1: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-23 22:51:10
End at: 2019-11-23 22:51:40
Local clock offset: -2.286 ms
Remote clock offset: -38.598 ms

Run 2: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-23 23:21:45
End at: 2019-11-23 23:22:15
Local clock offset: 1.512 ms
Remote clock offset: -38.031 ms

Run 3: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-23 23:52:22
End at: 2019-11-23 23:52:52
Local clock offset: 2.934 ms
Remote clock offset: -40.289 ms

Run 4: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 00:23:01
End at: 2019-11-24 00:23:31
Local clock offset: -2.33 ms
Remote clock offset: -39.62 ms

Run 5: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-23 22:13:06
End at: 2019-11-23 22:13:36
Local clock offset: 4.926 ms
Remote clock offset: -39.851 ms

Run 1: Report of Muses_DecisionTreeR0 — Data Link

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Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-23 22:43:48
End at: 2019-11-23 22:44:18
Local clock offset: 3.733 ms
Remote clock offset: -40.911 ms

Run 2: Report of Muses_DecisionTreeR0 — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-23 23:14:22
End at: 2019-11-23 23:14:52
Local clock offset: -2.084 ms
Remote clock offset: -41.025 ms

Run 3: Report of Muses_DecisionTreeR0 — Data Link

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Figure is missing

Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-23 23:45:00
End at: 2019-11-23 23:45:30
Local clock offset: 3.427 ms
Remote clock offset: -37.975 ms

Run 4: Report of Muses_DecisionTreeR0 — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-24 00:15:39
End at: 2019-11-24 00:16:09
Local clock offset: 3.07 ms
Remote clock offset: -42.507 ms

Run 5: Report of Muses_DecisionTreeR0 — Data Link

Figure is missing

Figure is missing

```
Run 1: Statistics of PCC-Allegro

Start at: 2019-11-23 22:42:17
End at: 2019-11-23 22:42:47
Local clock offset: -1.097 ms
Remote clock offset: -39.456 ms


# Below is generated by plot.py at 2019-11-24 01:13:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 461.97 Mbit/s
95th percentile per-packet one-way delay: 62.003 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 461.97 Mbit/s
95th percentile per-packet one-way delay: 62.003 ms
Loss rate: 3.57%
```
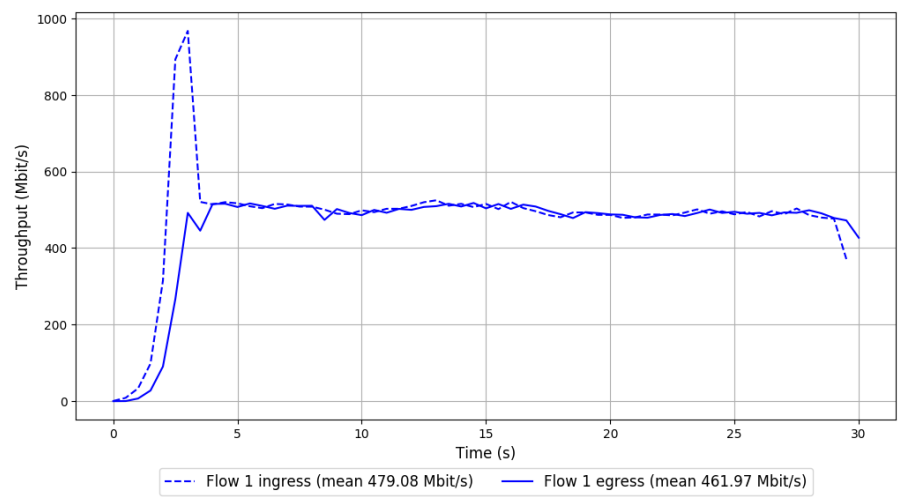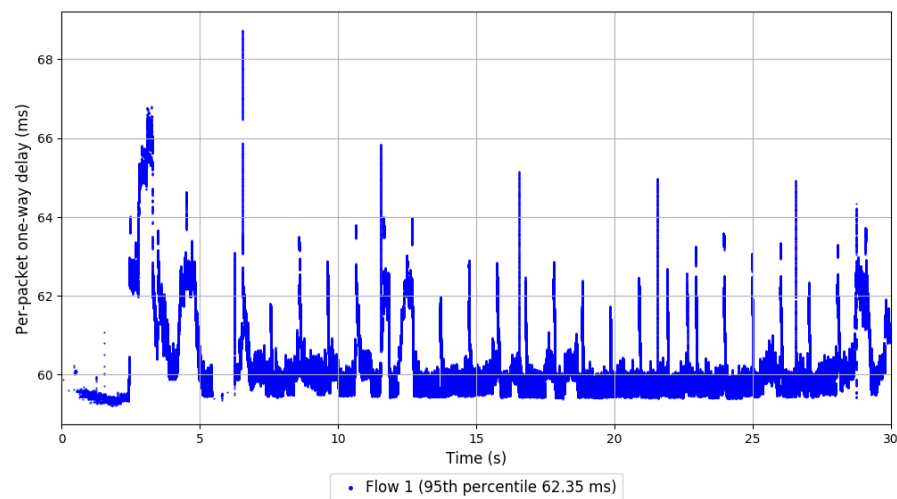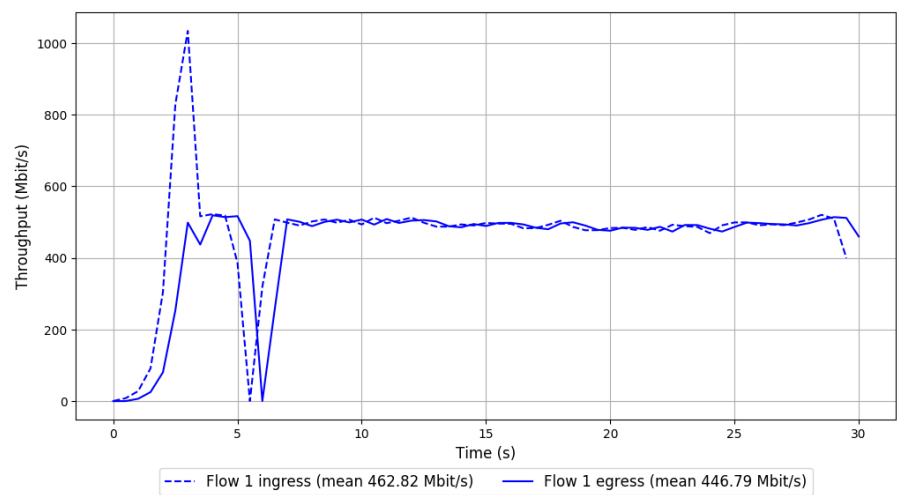
Run 1: Report of PCC-Allegro — Data Link

```
Run 2: Statistics of PCC-Allegro

Start at: 2019-11-23 23:12:57
End at: 2019-11-23 23:13:27
Local clock offset: -1.842 ms
Remote clock offset: -38.27 ms


# Below is generated by plot.py at 2019-11-24 01:13:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 446.79 Mbit/s
95th percentile per-packet one-way delay: 62.351 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 446.79 Mbit/s
95th percentile per-packet one-way delay: 62.351 ms
Loss rate: 3.46%
```

Run 2: Report of PCC-Allegro — Data Link

```
Run 3: Statistics of PCC-Allegro

Start at: 2019-11-23 23:43:35
End at: 2019-11-23 23:44:05
Local clock offset: -0.892 ms
Remote clock offset: -39.448 ms


# Below is generated by plot.py at 2019-11-24 01:14:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 450.34 Mbit/s
95th percentile per-packet one-way delay: 60.517 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 450.34 Mbit/s
95th percentile per-packet one-way delay: 60.517 ms
Loss rate: 3.75%
```
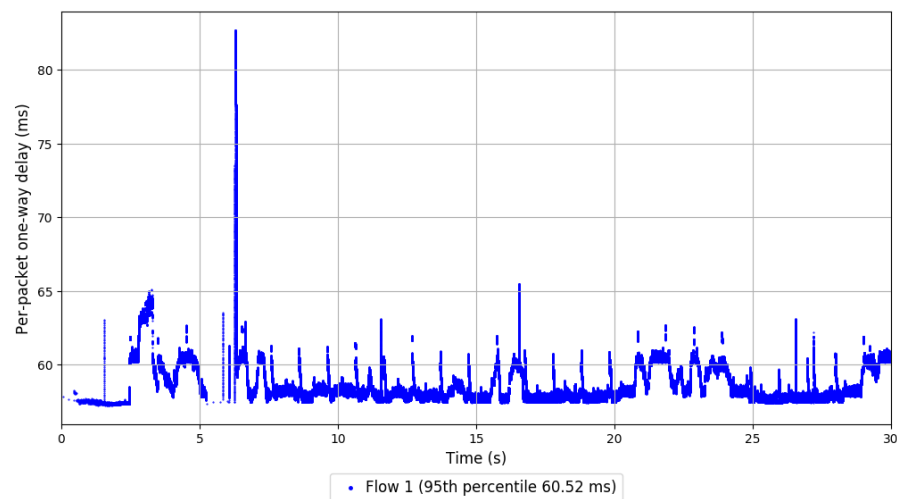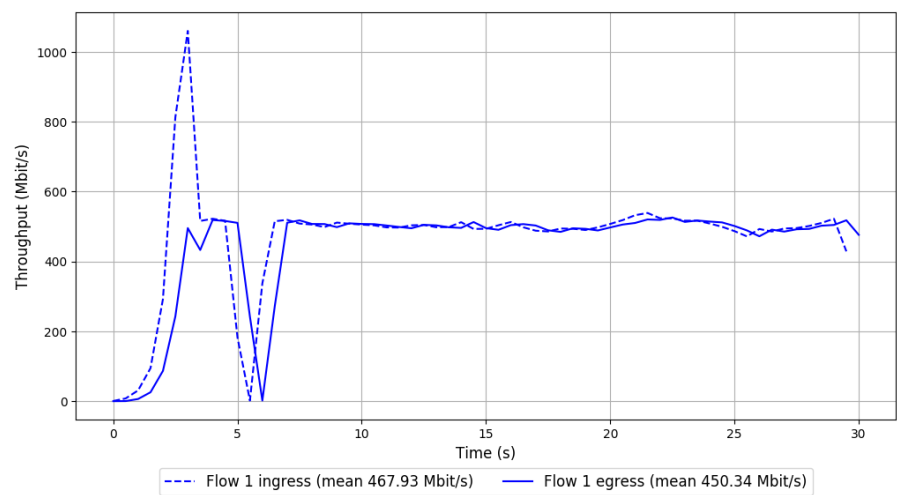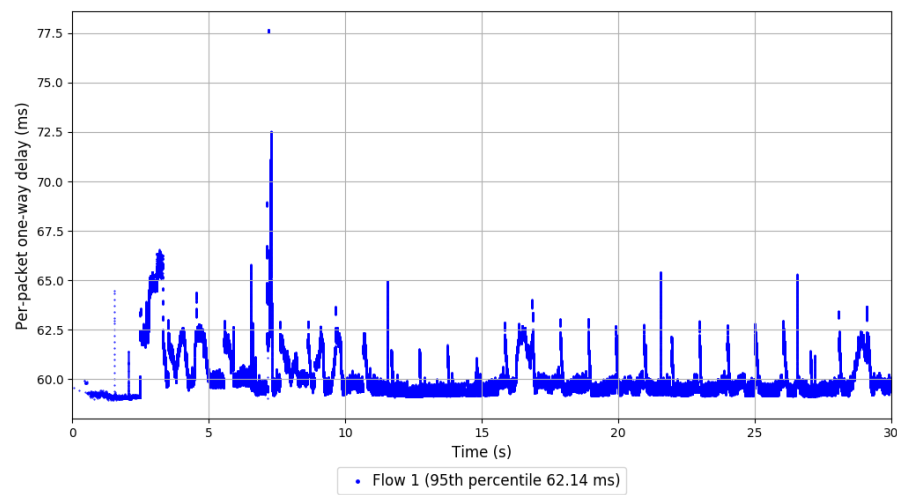
Run 3: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 467.93 Mbit/s)   Flow 1 egress (mean 450.34 Mbit/s)

• Flow 1 (95th percentile 60.52 ms)

```
Run 4: Statistics of PCC-Allegro

Start at: 2019-11-24 00:14:14
End at: 2019-11-24 00:14:44
Local clock offset: 1.31 ms
Remote clock offset: -37.482 ms


# Below is generated by plot.py at 2019-11-24 01:14:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 454.50 Mbit/s
95th percentile per-packet one-way delay: 62.141 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 454.50 Mbit/s
95th percentile per-packet one-way delay: 62.141 ms
Loss rate: 3.61%
```
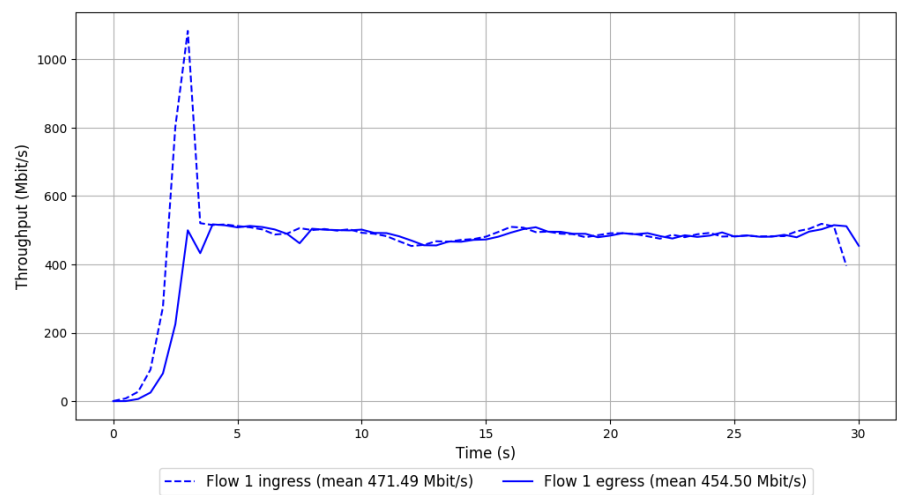
Run 4: Report of PCC-Allegro — Data Link

```
Run 5: Statistics of PCC-Allegro

Start at: 2019-11-24 00:44:47
End at: 2019-11-24 00:45:17
Local clock offset: -2.258 ms
Remote clock offset: -40.329 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 456.97 Mbit/s
95th percentile per-packet one-way delay: 60.992 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 456.97 Mbit/s
95th percentile per-packet one-way delay: 60.992 ms
Loss rate: 3.76%
```
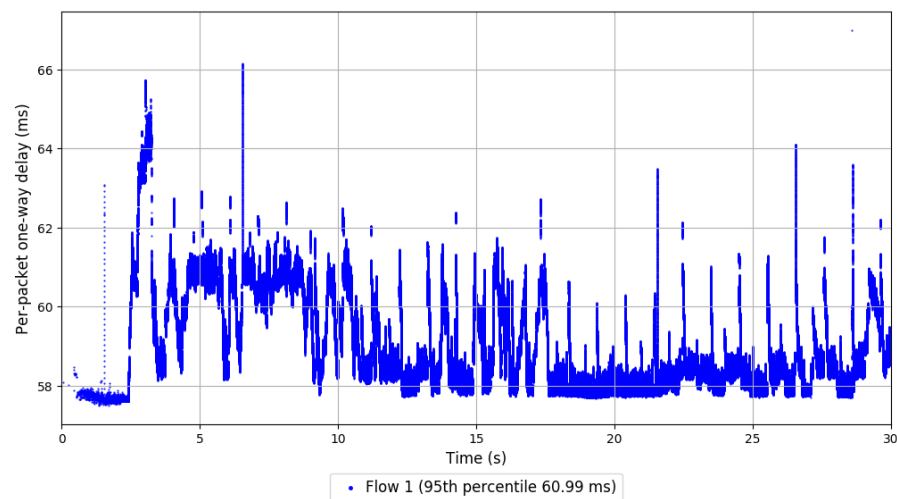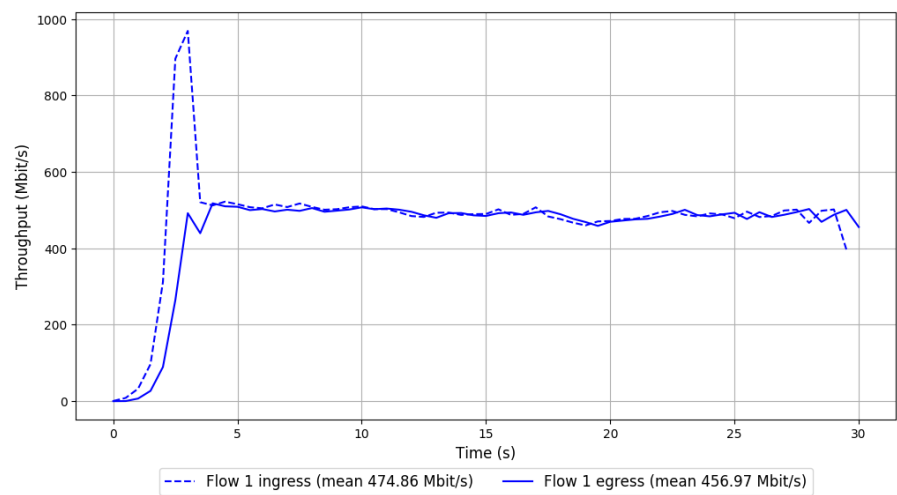
Run 5: Report of PCC-Allegro — Data Link

Flow 1 ingress (mean 474.86 Mbit/s)   Flow 1 egress (mean 456.97 Mbit/s)

Flow 1 (95th percentile 60.99 ms)

```
Run 1: Statistics of PCC-Expr

Start at: 2019-11-23 22:22:59
End at: 2019-11-23 22:23:29
Local clock offset: 1.59 ms
Remote clock offset: -40.346 ms

# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 53.741 ms
Loss rate: 26.37%
-- Flow 1:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 53.741 ms
Loss rate: 26.37%
```
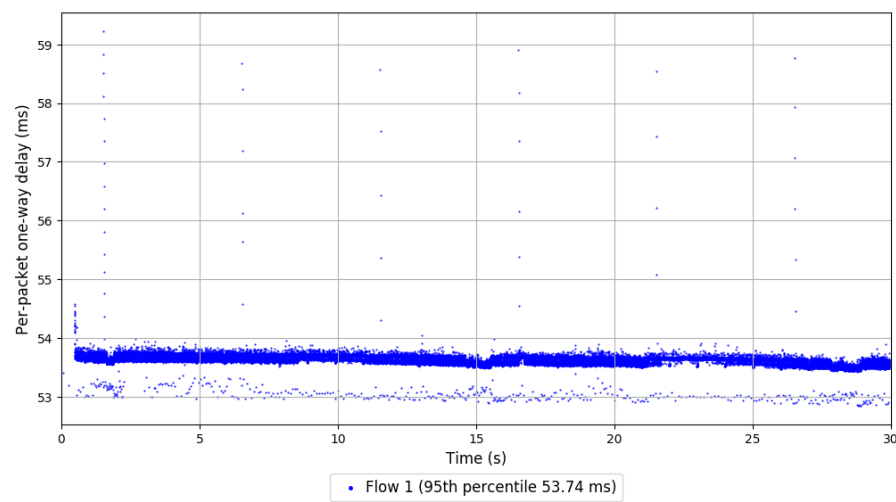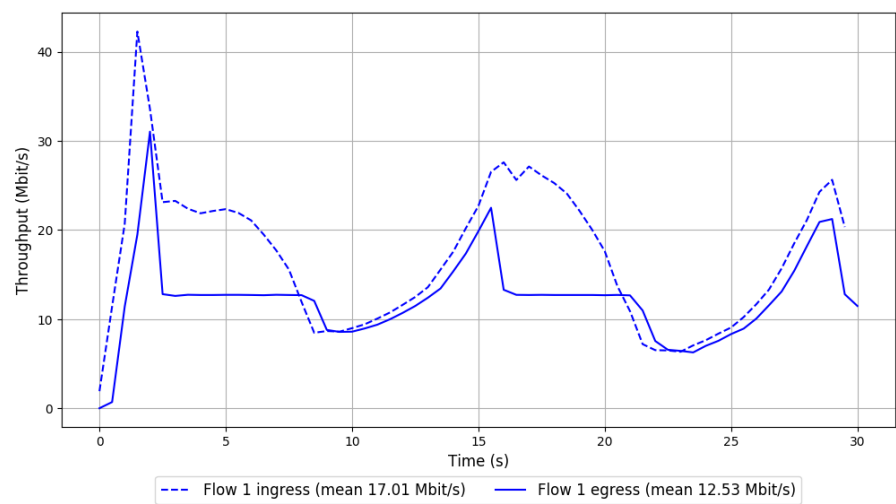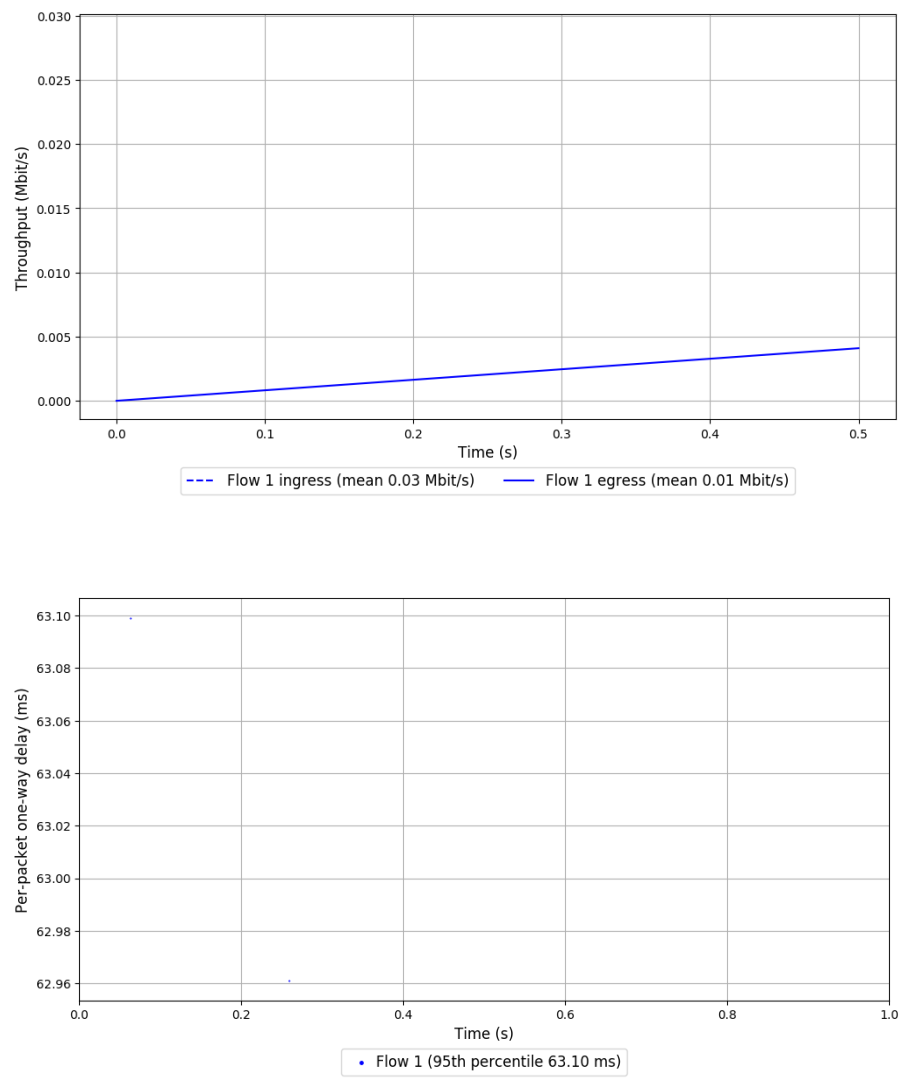
Run 1: Report of PCC-Expr — Data Link

Flow 1 ingress (mean 17.01 Mbit/s) --- Flow 1 egress (mean 12.53 Mbit/s)

• Flow 1 (95th percentile 53.74 ms)

```
Run 2: Statistics of PCC-Expr

Start at: 2019-11-23 22:53:41
End at: 2019-11-23 22:54:11
Local clock offset: -1.772 ms
Remote clock offset: -38.768 ms
```
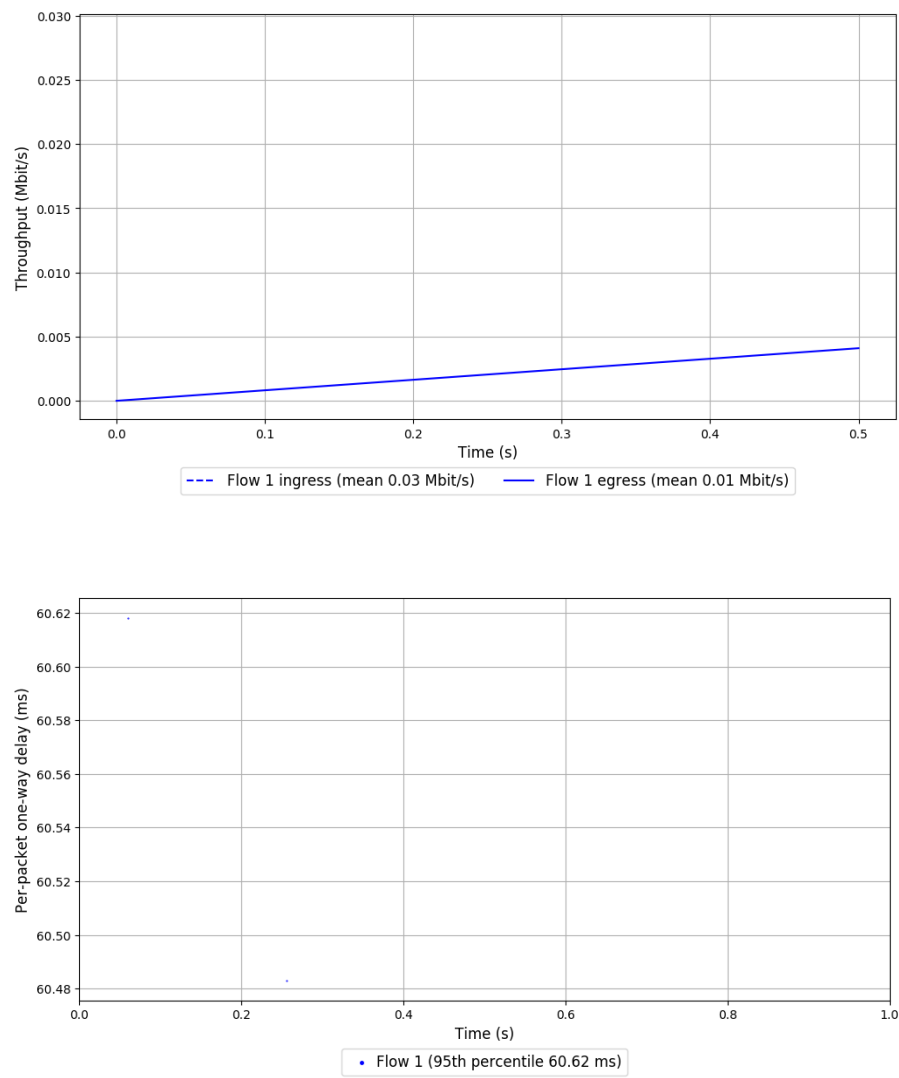
Run 2: Report of PCC-Expr — Data Link

Run 3: Statistics of PCC-Expr

Start at: 2019-11-23 23:24:17
End at: 2019-11-23 23:24:47
Local clock offset: -2.264 ms
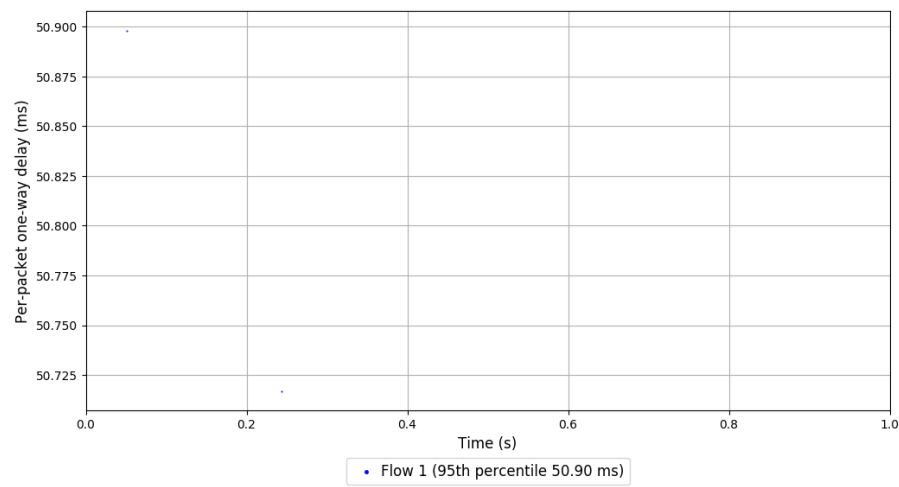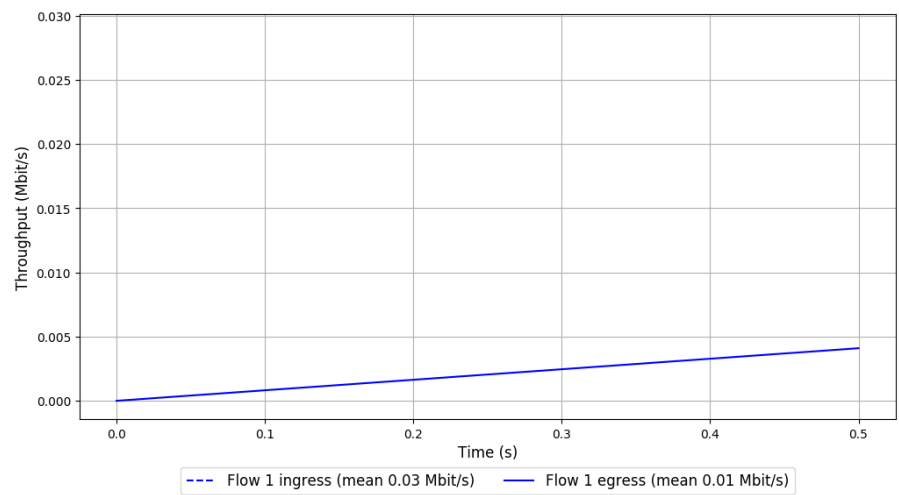Remote clock offset: -40.465 ms

Run 3: Report of PCC-Expr — Data Link

Run 4: Statistics of PCC-Expr

Start at: 2019-11-23 23:54:54
End at: 2019-11-23 23:55:24
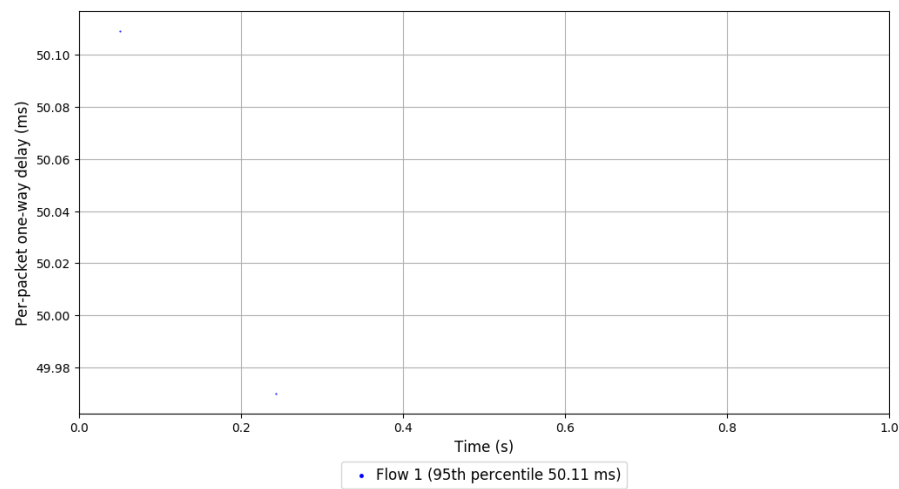Local clock offset: 1.738 ms
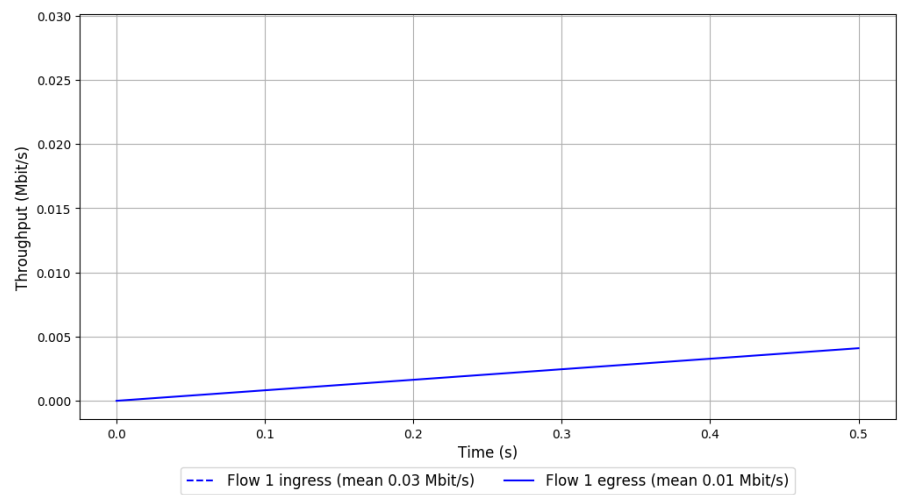Remote clock offset: -43.462 ms

Run 4: Report of PCC-Expr — Data Link

```
Run 5: Statistics of PCC-Expr

Start at: 2019-11-24 00:25:33
End at: 2019-11-24 00:26:03
Local clock offset: 2.3 ms
Remote clock offset: -43.547 ms
```

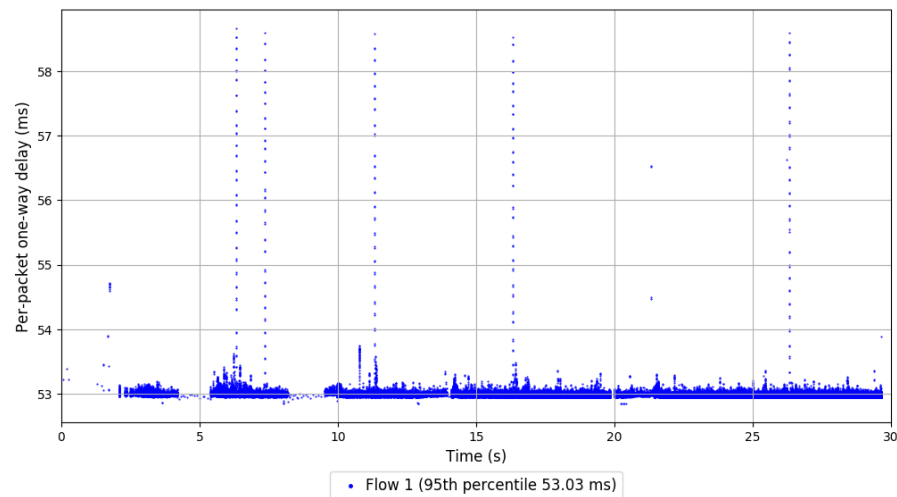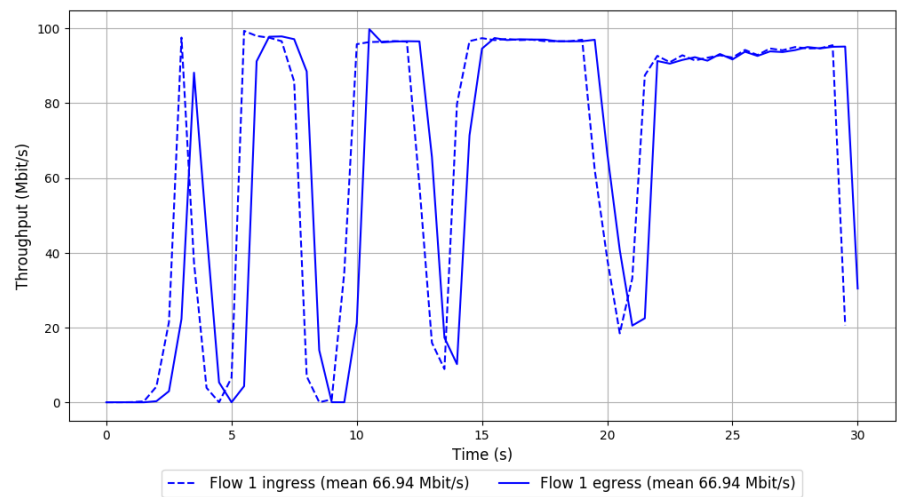## Run 5: Report of PCC-Expr — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2019-11-23 22:38:45
End at: 2019-11-23 22:39:15
Local clock offset: 2.942 ms
Remote clock offset: -43.954 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.94 Mbit/s
95th percentile per-packet one-way delay: 53.033 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.94 Mbit/s
95th percentile per-packet one-way delay: 53.033 ms
Loss rate: 0.01%
```
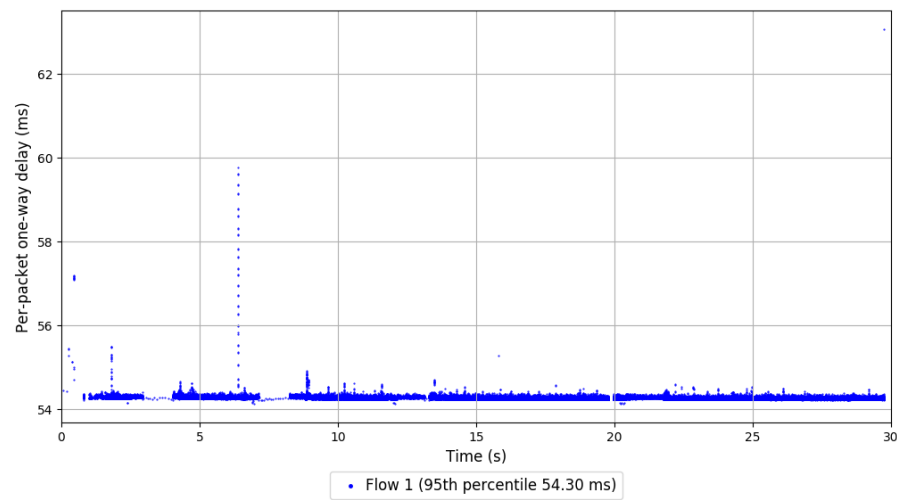
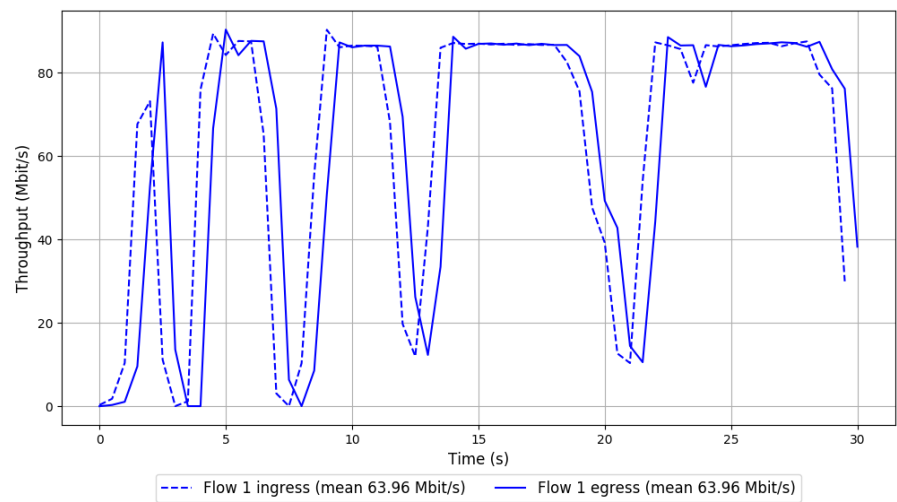Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2019-11-23 23:09:25
End at: 2019-11-23 23:09:55
Local clock offset: 1.113 ms
Remote clock offset: -40.845 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 54.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 54.301 ms
Loss rate: 0.00%
```

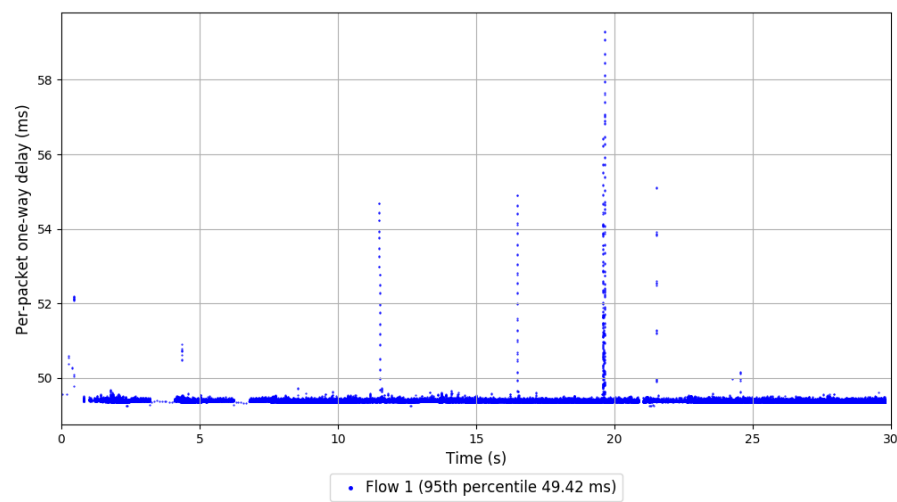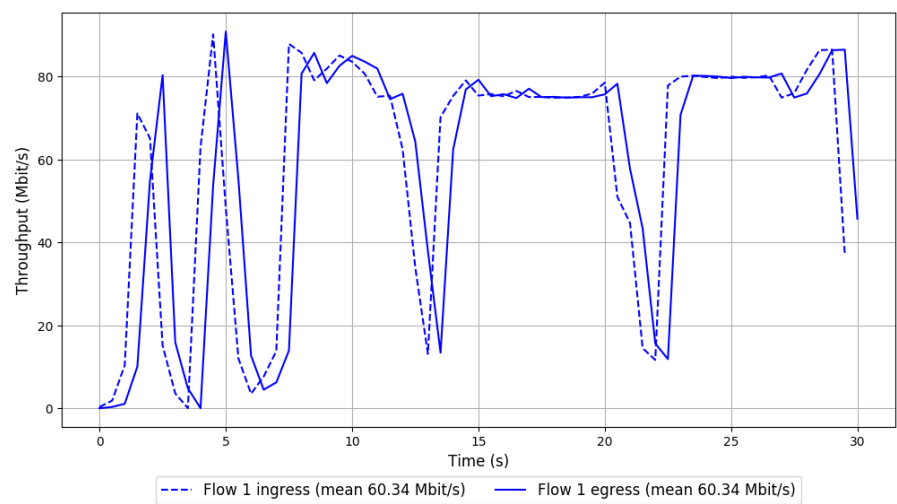Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2019-11-23 23:40:03
End at: 2019-11-23 23:40:33
Local clock offset: 3.064 ms
Remote clock offset: -43.316 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.34 Mbit/s
95th percentile per-packet one-way delay: 49.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.34 Mbit/s
95th percentile per-packet one-way delay: 49.418 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 60.34 Mbit/s)   Flow 1 egress (mean 60.34 Mbit/s)
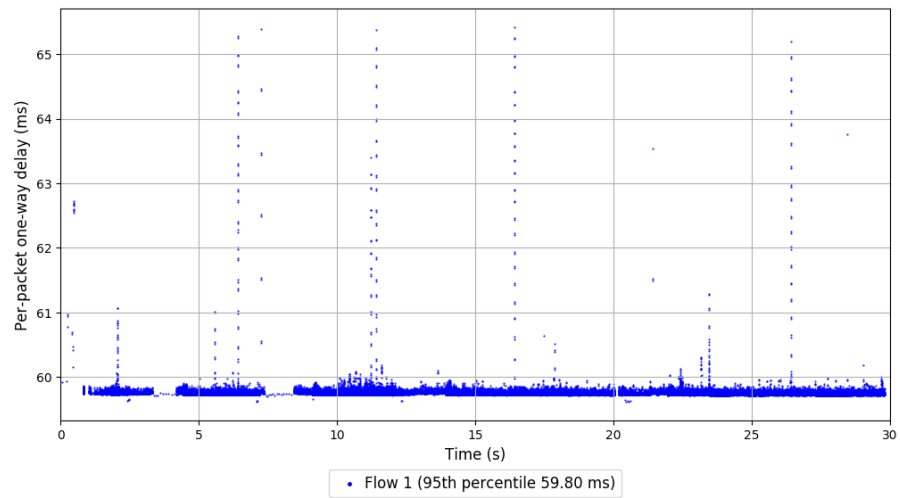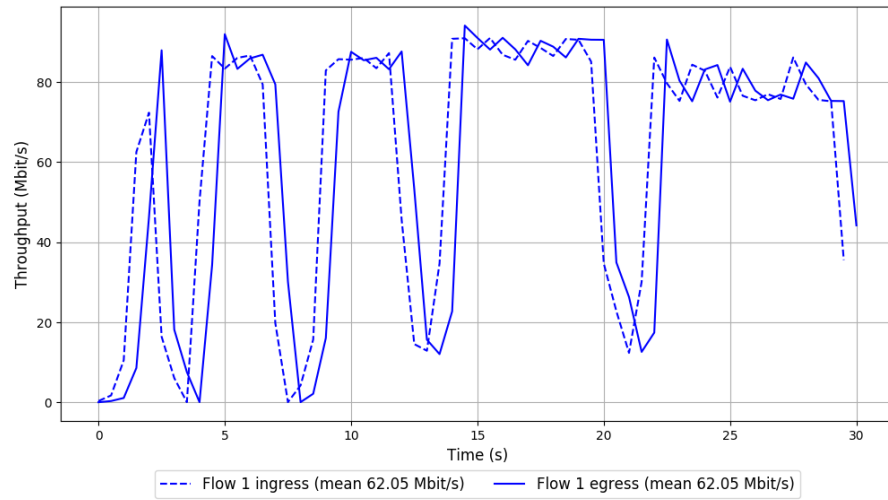

Flow 1 (95th percentile 49.42 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2019-11-24 00:10:41
End at: 2019-11-24 00:11:11
Local clock offset: -1.502 ms
Remote clock offset: -39.781 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 59.799 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 59.799 ms
Loss rate: 0.01%
```

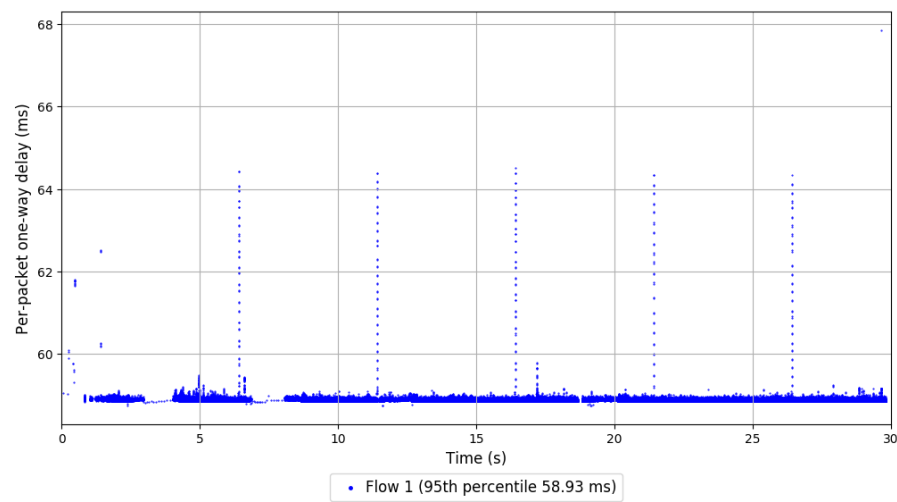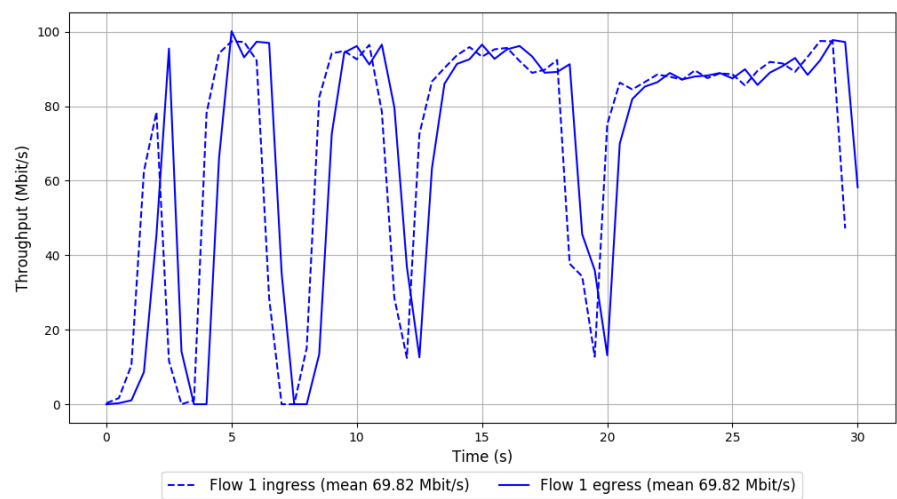Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2019-11-24 00:41:15
End at: 2019-11-24 00:41:45
Local clock offset: 1.662 ms
Remote clock offset: -37.565 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 58.929 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 58.929 ms
Loss rate: 0.01%
```

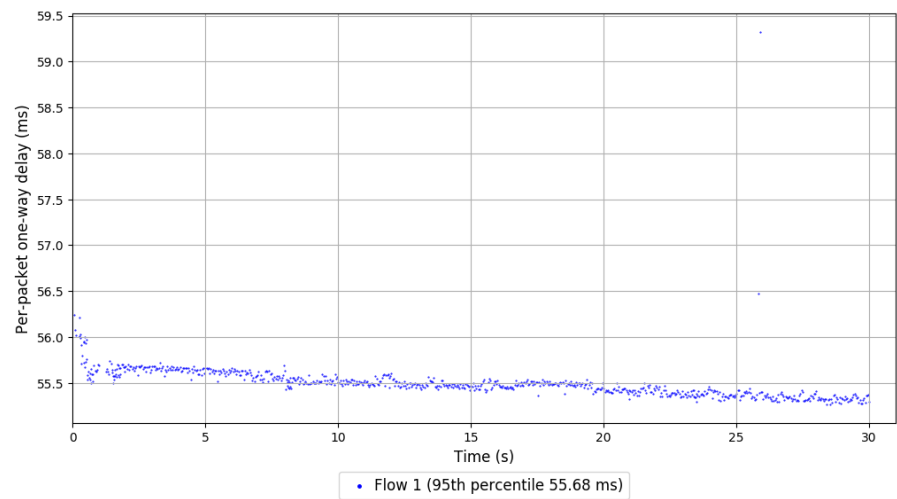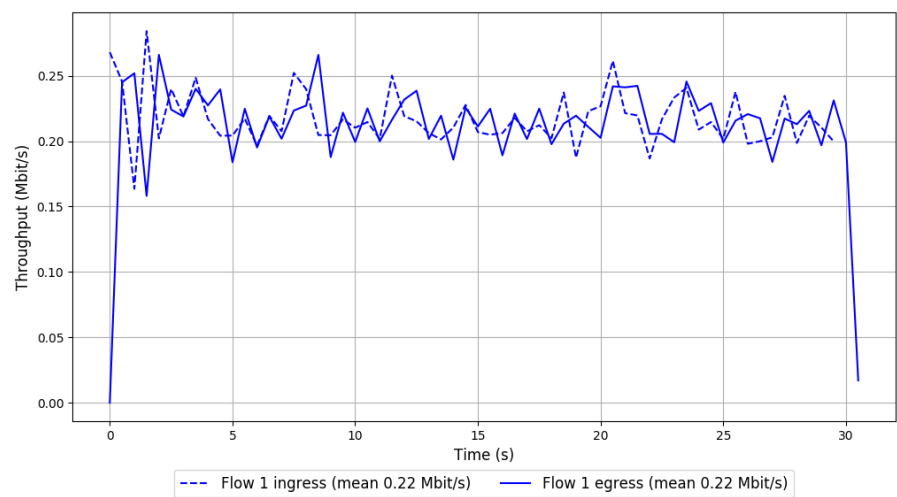## Run 5: Report of QUIC Cubic — Data Link

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```
Run 1: Statistics of SCReAM

Start at: 2019-11-23 22:18:01
End at: 2019-11-23 22:18:31
Local clock offset: 1.115 ms
Remote clock offset: -40.743 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.680 ms
Loss rate: 0.00%
```
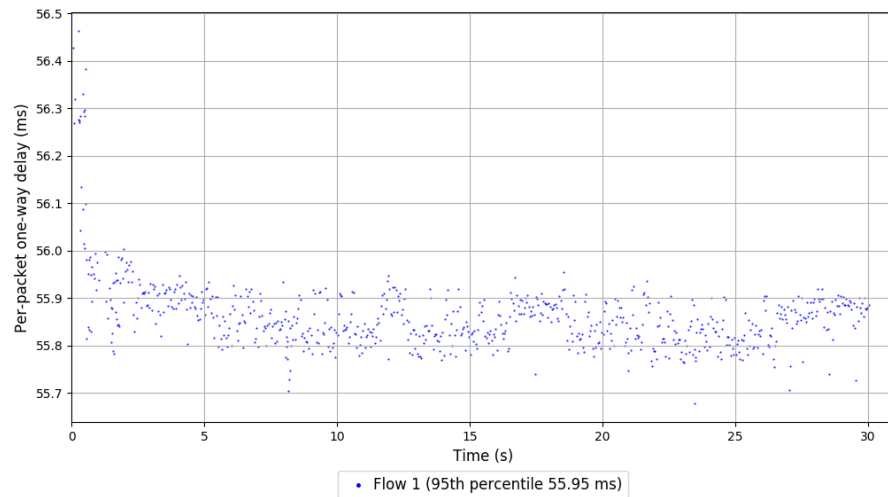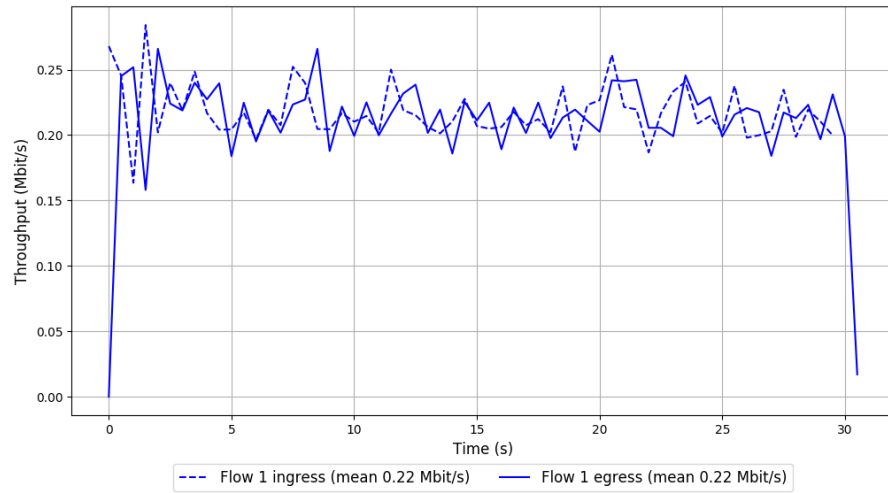
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2019-11-23 22:48:44
End at: 2019-11-23 22:49:14
Local clock offset: 0.854 ms
Remote clock offset: -40.519 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.951 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

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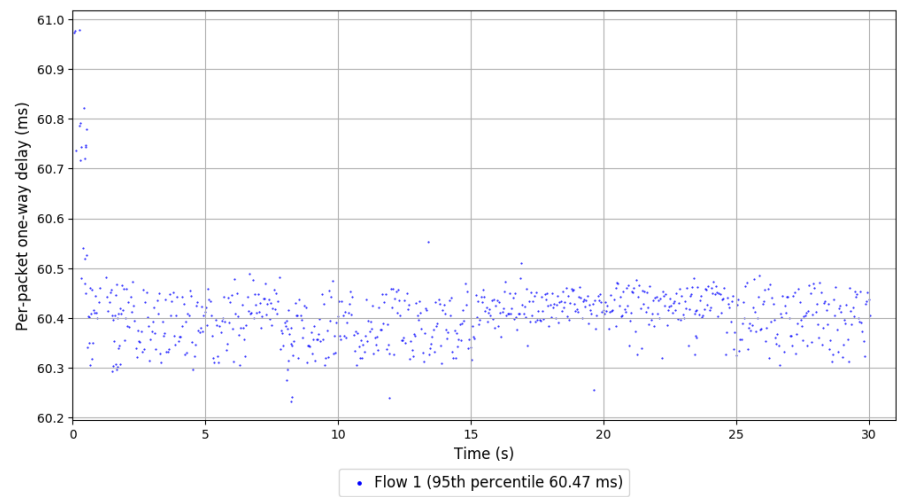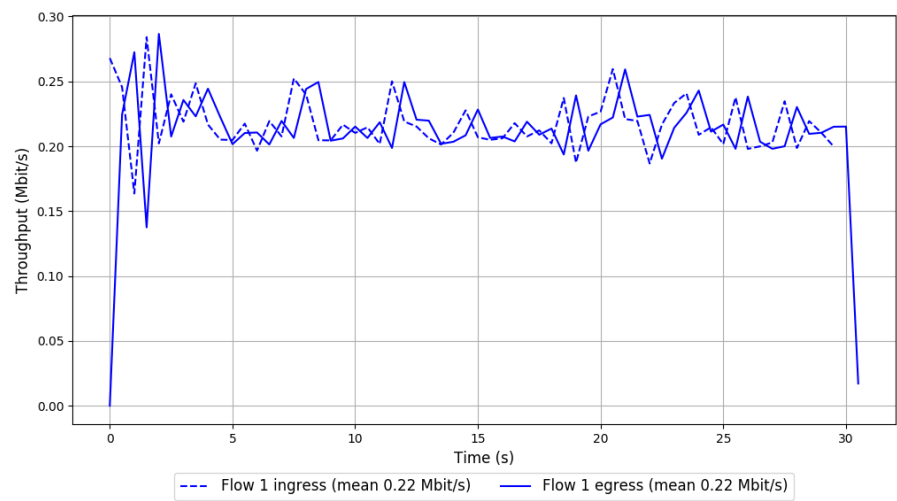

• Flow 1 (95th percentile 55.95 ms)

```
Run 3: Statistics of SCReAM

Start at: 2019-11-23 23:19:18
End at: 2019-11-23 23:19:48
Local clock offset: -2.985 ms
Remote clock offset: -38.412 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.470 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.470 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

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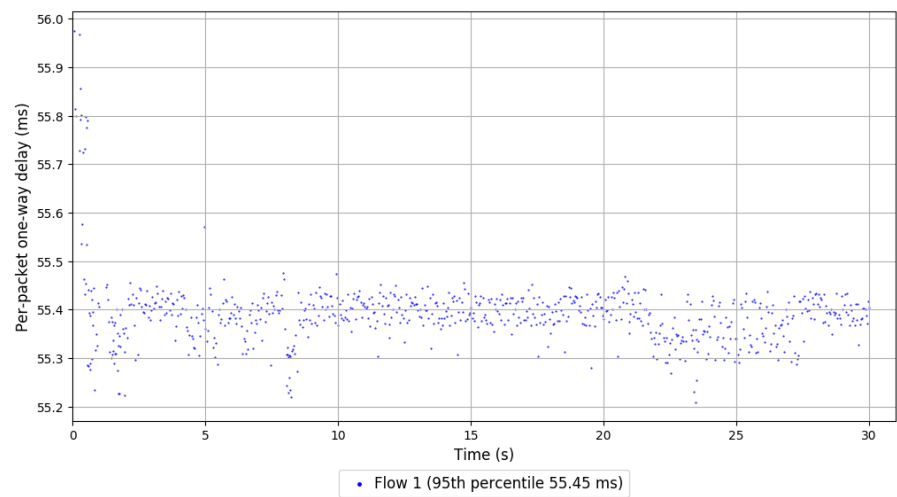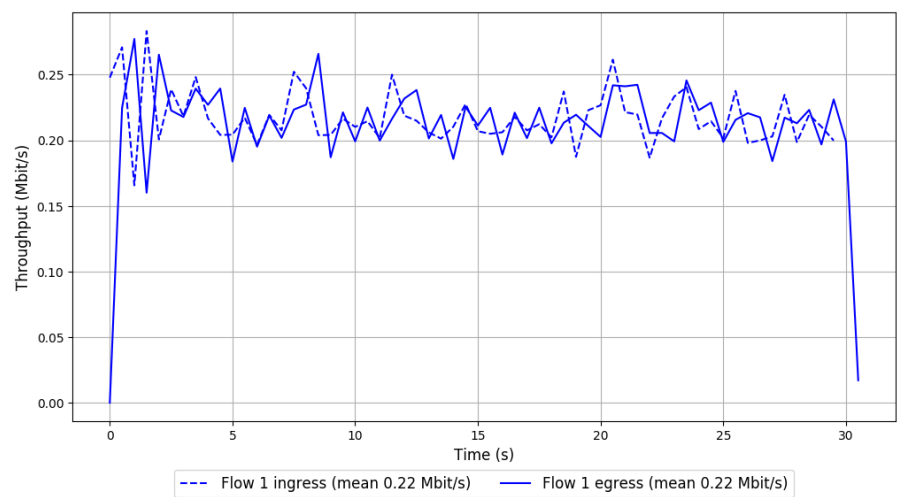

Flow 1 (95th percentile 60.47 ms)

```
Run 4: Statistics of SCReAM

Start at: 2019-11-23 23:49:57
End at: 2019-11-23 23:50:27
Local clock offset: 2.543 ms
Remote clock offset: -40.618 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.445 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

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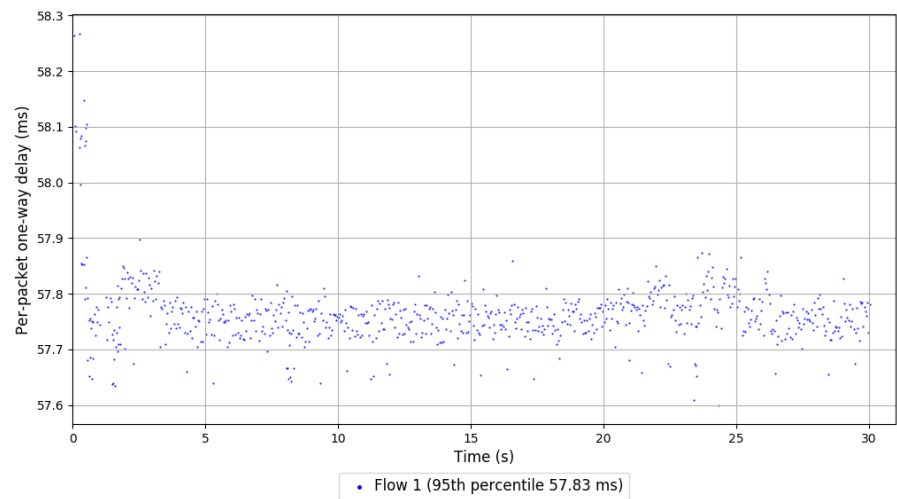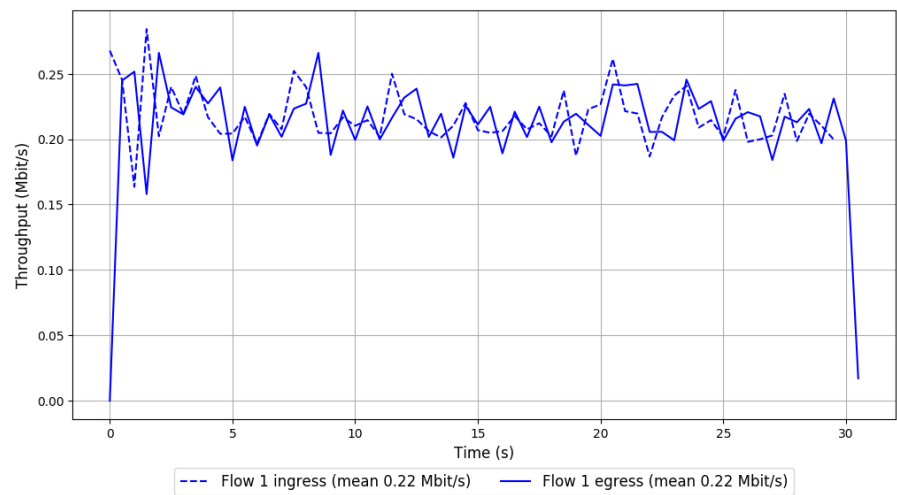

Flow 1 (95th percentile 55.45 ms)

```
Run 5: Statistics of SCReAM

Start at: 2019-11-24 00:20:35
End at: 2019-11-24 00:21:05
Local clock offset: -2.13 ms
Remote clock offset: -39.95 ms

# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.832 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

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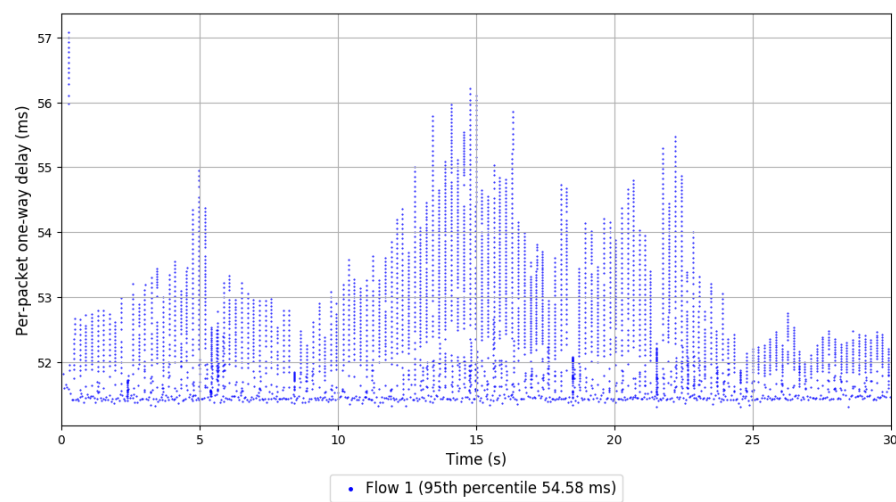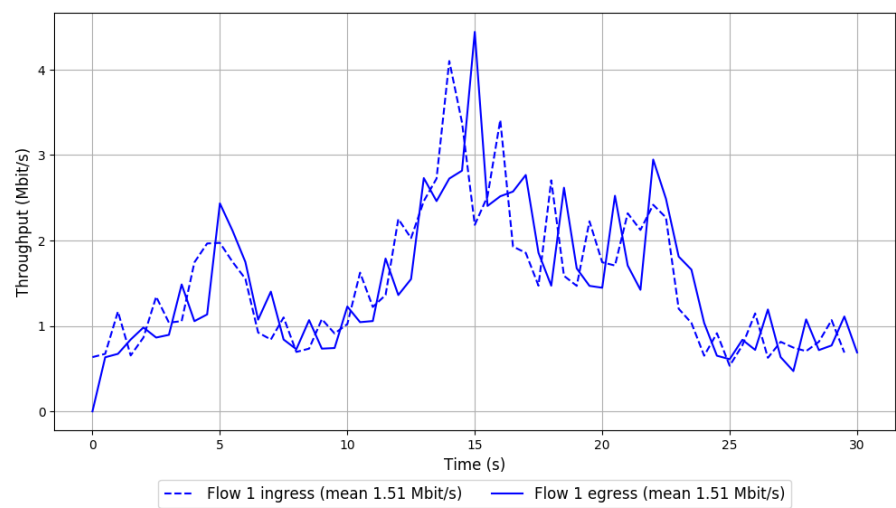

Flow 1 (95th percentile 57.83 ms)

```
Run 1: Statistics of Sprout

Start at: 2019-11-23 22:25:35
End at: 2019-11-23 22:26:05
Local clock offset: 0.013 ms
Remote clock offset: -44.072 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 54.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 54.584 ms
Loss rate: 0.00%
```
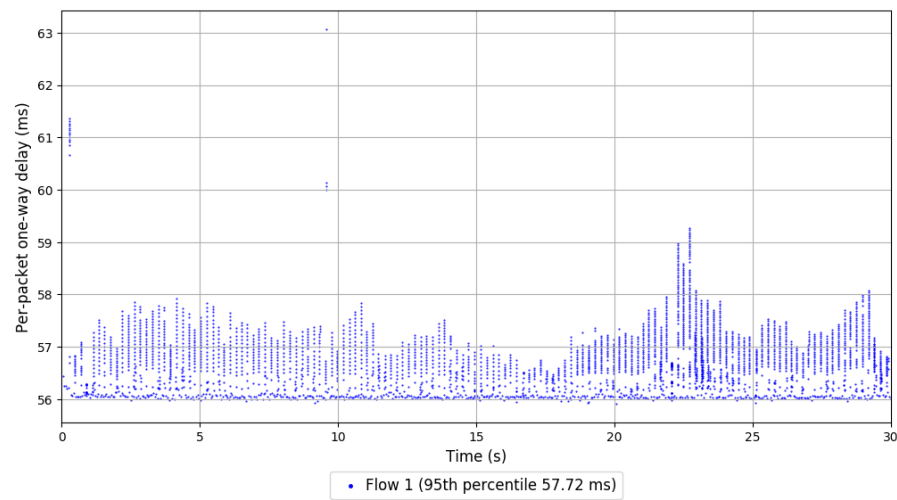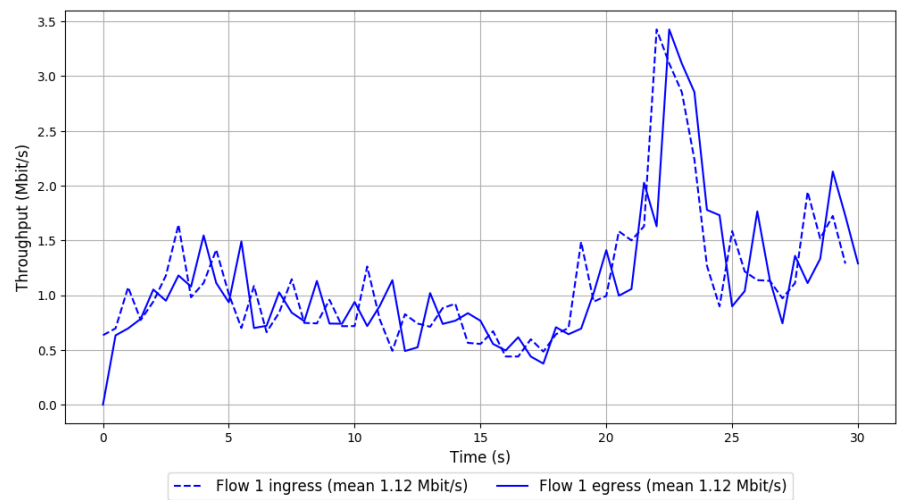
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2019-11-23 22:56:15
End at: 2019-11-23 22:56:45
Local clock offset: -0.177 ms
Remote clock offset: -40.913 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 57.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 57.719 ms
Loss rate: 0.00%
```
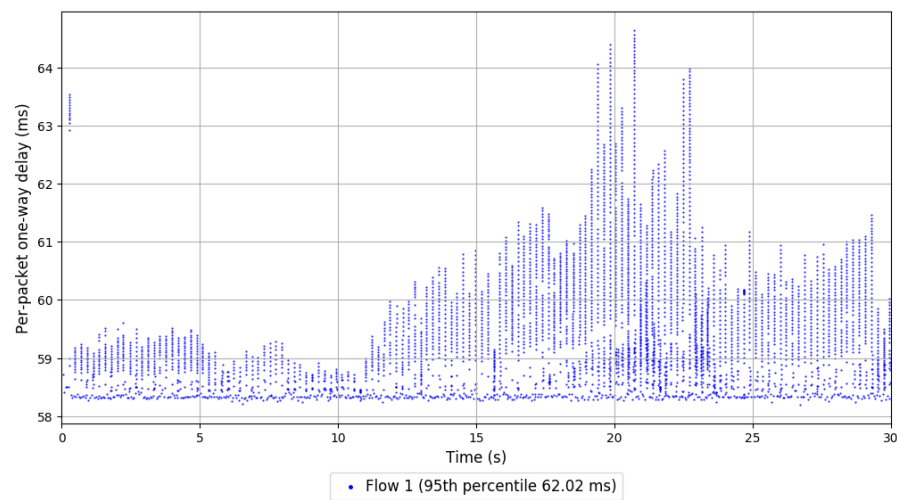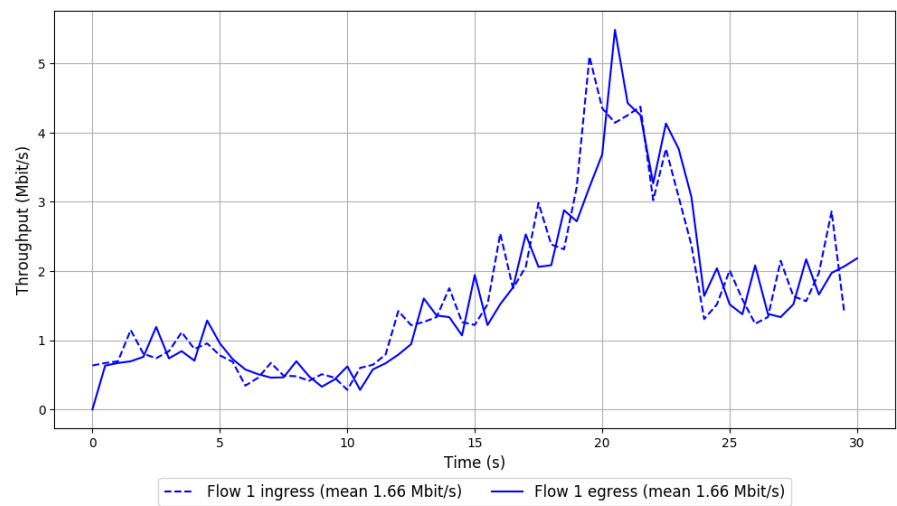
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2019-11-23 23:26:51
End at: 2019-11-23 23:27:21
Local clock offset: 2.239 ms
Remote clock offset: -37.978 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 62.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 62.015 ms
Loss rate: 0.00%
```
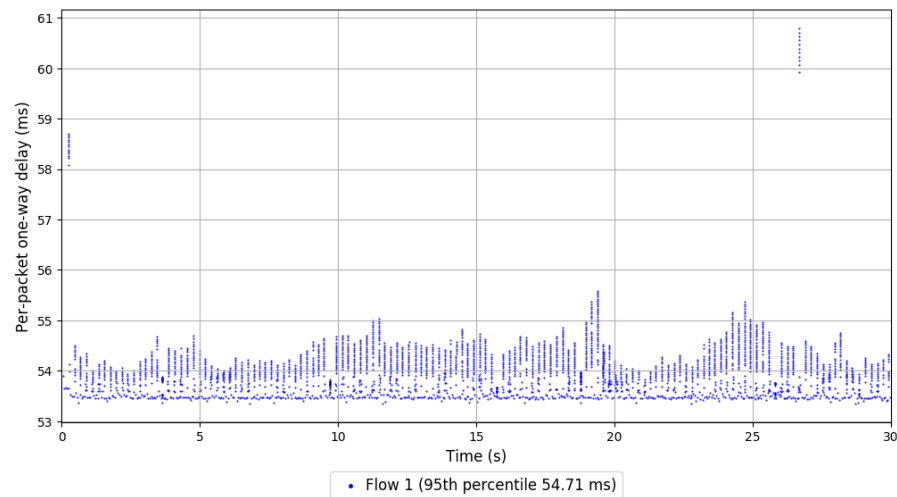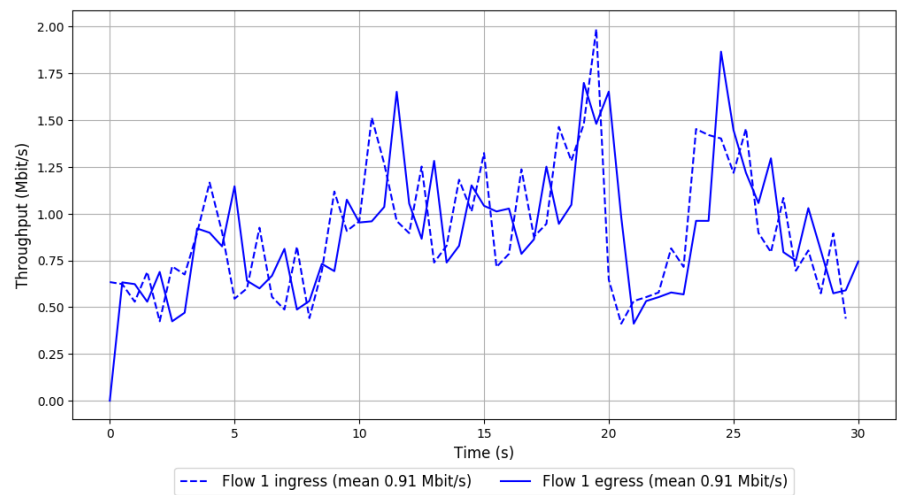
Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: 2019-11-23 23:57:27
End at: 2019-11-23 23:57:57
Local clock offset: 2.056 ms
Remote clock offset: -40.279 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 54.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 54.711 ms
Loss rate: 0.00%
```
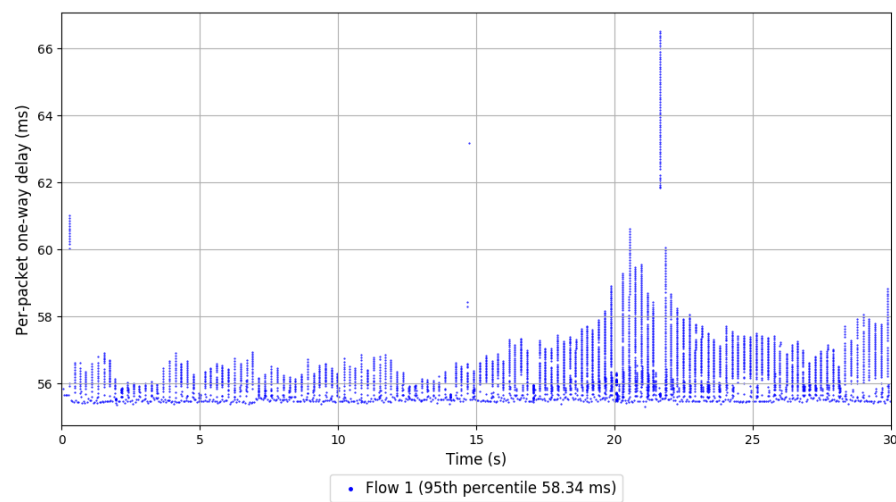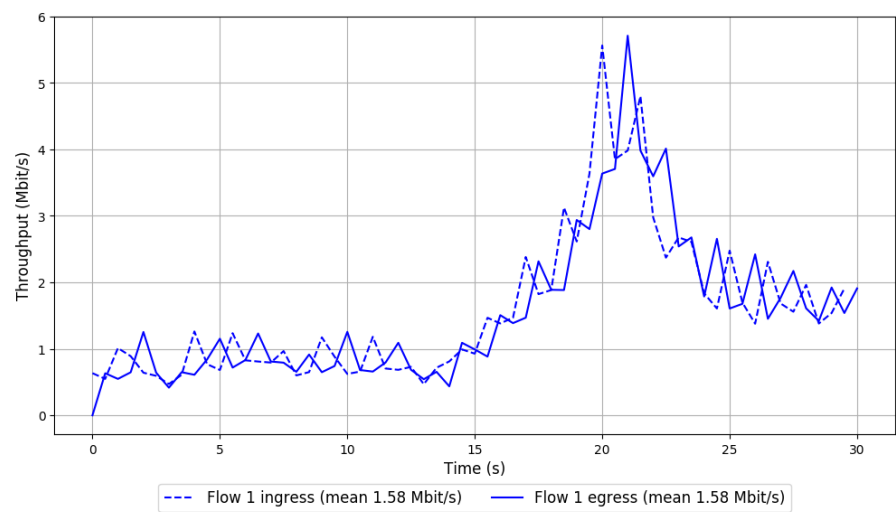
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2019-11-24 00:28:06
End at: 2019-11-24 00:28:36
Local clock offset: 2.889 ms
Remote clock offset: -37.577 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 58.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 58.335 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link
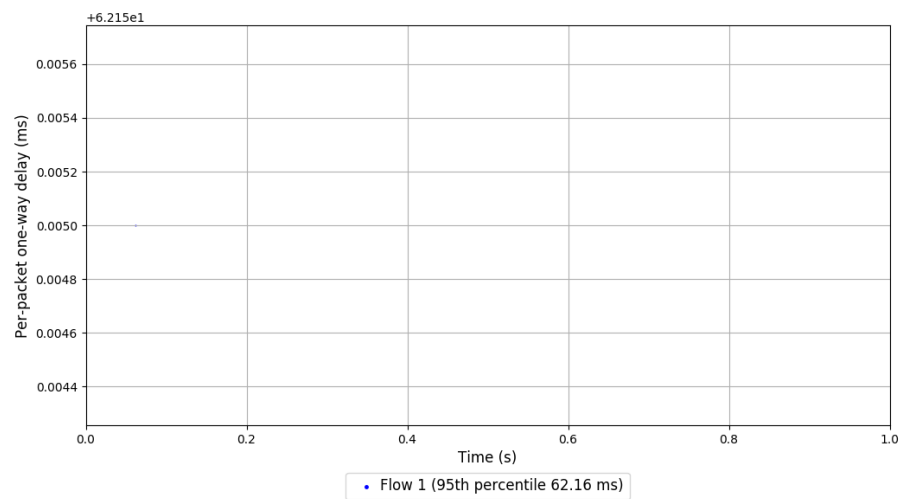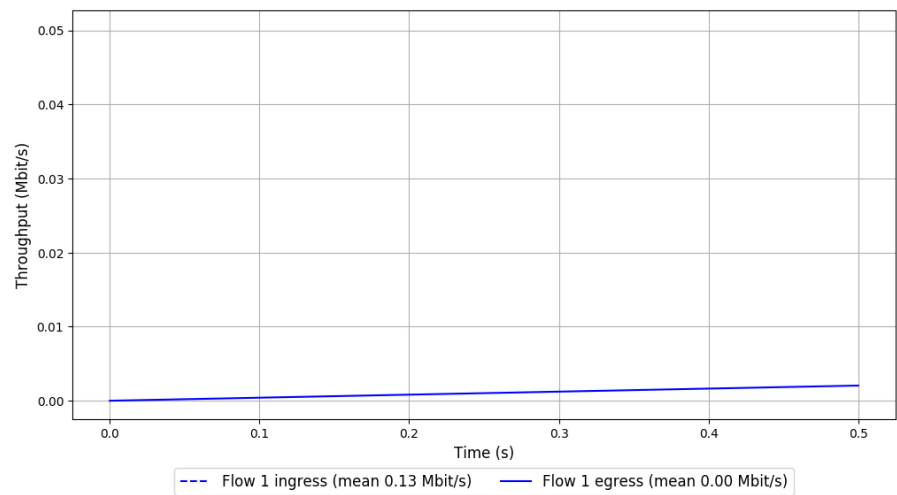

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```
Run 1: Statistics of TaoVA-100x

Start at: 2019-11-23 22:14:16
End at: 2019-11-23 22:14:46
Local clock offset: -0.86 ms
Remote clock offset: -40.101 ms
```

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

Flow 1 ingress (mean 0.13 Mbit/s)   Flow 1 egress (mean 0.00 Mbit/s)

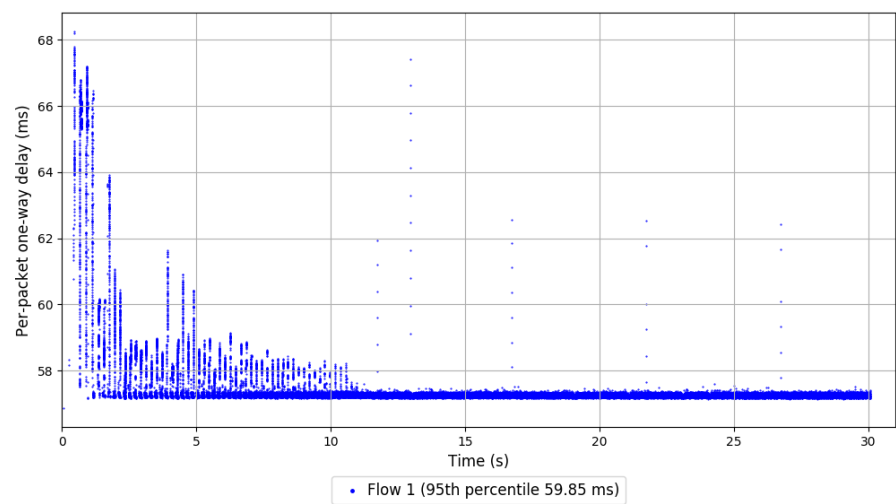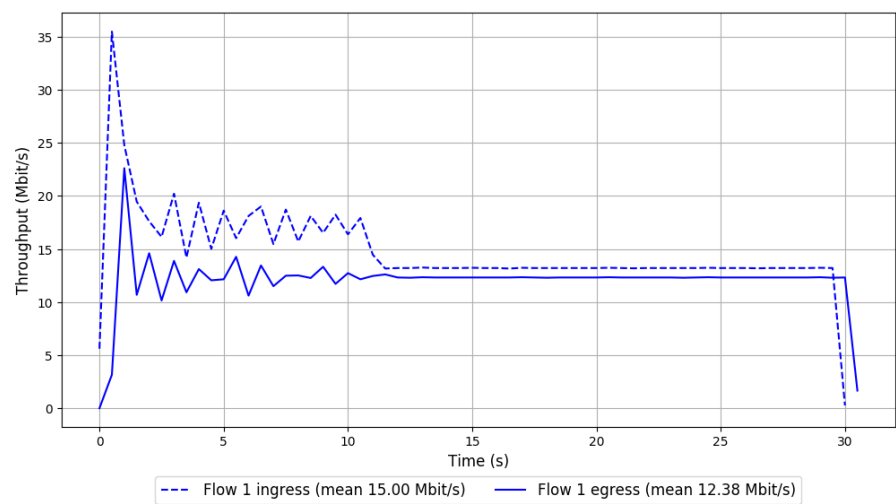Flow 1 (95th percentile 62.16 ms)

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

Start at: 2019-11-23 22:44:57
End at: 2019-11-23 22:45:27
Local clock offset: -2.056 ms
Remote clock offset: -42.504 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 59.854 ms
Loss rate: 17.48%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 59.854 ms
Loss rate: 17.48%
```

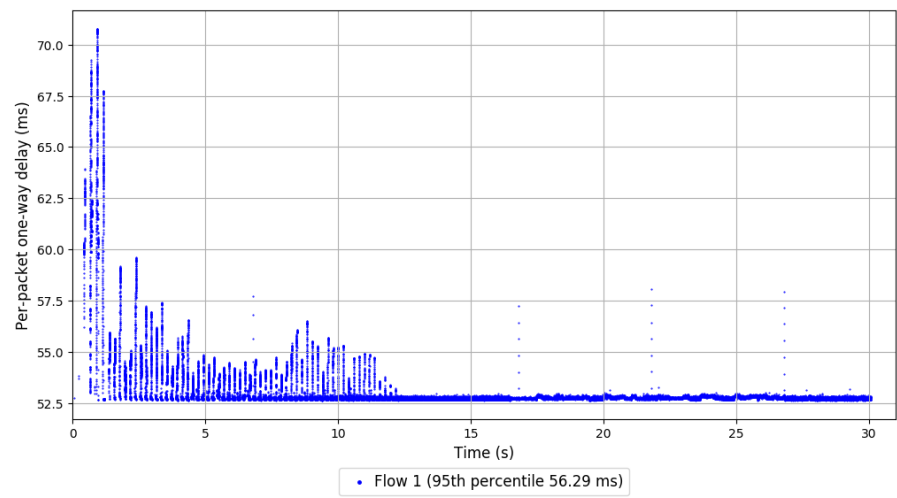## Run 2: Report of TaoVA-100x — Data Link

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

Start at: 2019-11-23 23:15:32
End at: 2019-11-23 23:16:02
Local clock offset: 1.774 ms
Remote clock offset: -41.624 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 56.291 ms
Loss rate: 18.35%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 56.291 ms
Loss rate: 18.35%
```

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

Flow 1 ingress (mean 15.16 Mbit/s) --- Flow 1 egress (mean 12.38 Mbit/s)
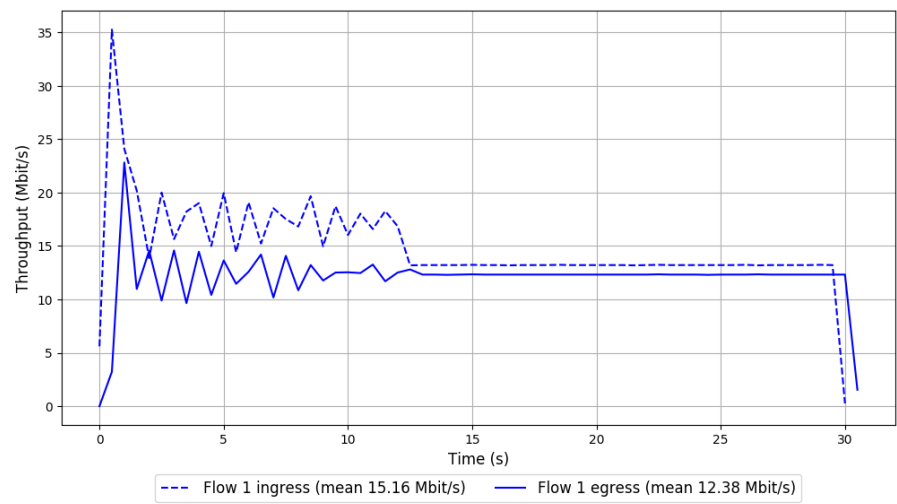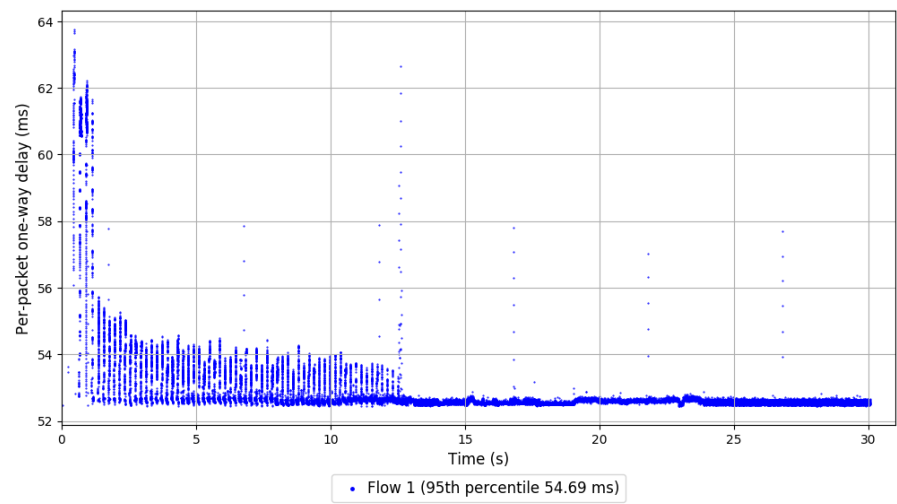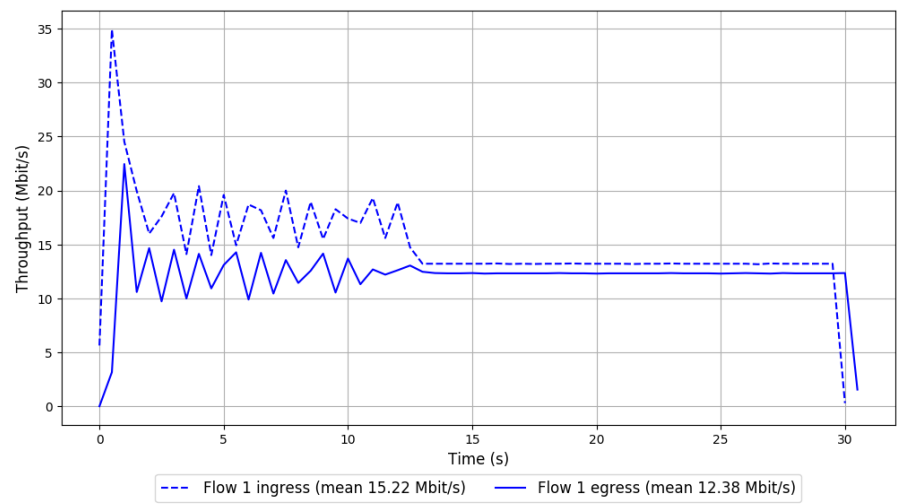

Flow 1 (95th percentile 56.29 ms)

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

Start at: 2019-11-23 23:46:10
End at: 2019-11-23 23:46:40
Local clock offset: 2.97 ms
Remote clock offset: -40.744 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 54.692 ms
Loss rate: 18.70%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 54.692 ms
Loss rate: 18.70%
```

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

Flow 1 ingress (mean 15.22 Mbit/s) --- Flow 1 egress (mean 12.38 Mbit/s)
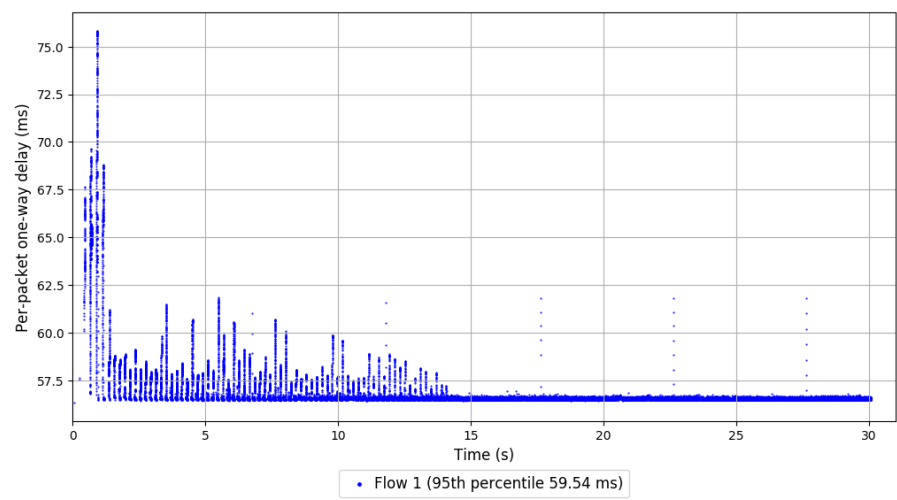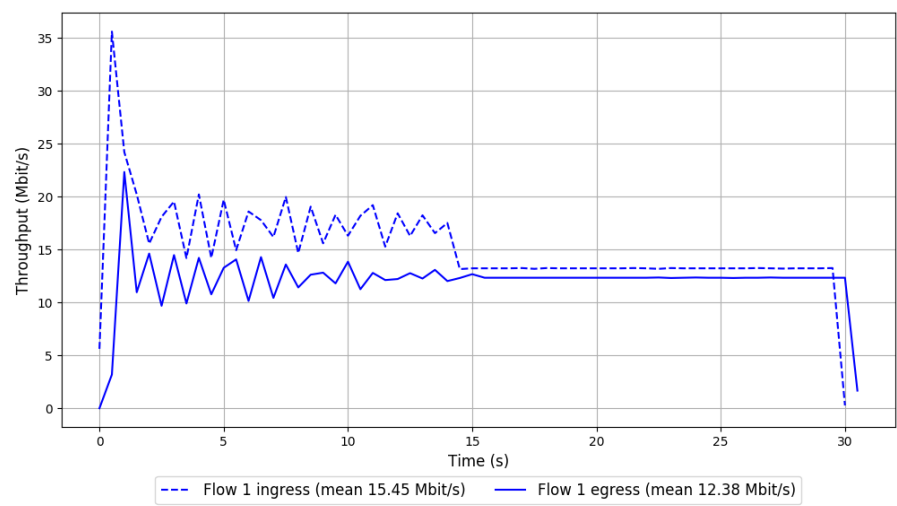

Flow 1 (95th percentile 54.69 ms)

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

Start at: 2019-11-24 00:16:48
End at: 2019-11-24 00:17:18
Local clock offset: 1.689 ms
Remote clock offset: -37.549 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 59.543 ms
Loss rate: 19.90%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 59.543 ms
Loss rate: 19.90%
```

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

Flow 1 ingress (mean 15.45 Mbit/s) --- Flow 1 egress (mean 12.38 Mbit/s)

Flow 1 (95th percentile 59.54 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2019-11-23 22:41:08
End at: 2019-11-23 22:41:38
Local clock offset: 1.463 ms
Remote clock offset: -44.721 ms
```

Run 1: Report of TCP Vegas — Data Link

Figure is missing

Figure is missing

```
Run 2: Statistics of TCP Vegas

Start at: 2019-11-23 23:11:48
End at: 2019-11-23 23:12:18
Local clock offset: 2.12 ms
Remote clock offset: -38.811 ms
```

Run 2: Report of TCP Vegas — Data Link

Figure is missing

Figure is missing

```
Run 3: Statistics of TCP Vegas

Start at: 2019-11-23 23:42:26
End at: 2019-11-23 23:42:56
Local clock offset: -1.959 ms
Remote clock offset: -38.075 ms
```

Run 3: Report of TCP Vegas — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of TCP Vegas

Start at: 2019-11-24 00:13:04
End at: 2019-11-24 00:13:34
Local clock offset: -2.49 ms
Remote clock offset: -37.595 ms

Run 4: Report of TCP Vegas — Data Link

Figure is missing

Figure is missing

```
Run 5: Statistics of TCP Vegas

Start at: 2019-11-24 00:43:38
End at: 2019-11-24 00:44:08
Local clock offset: 1.467 ms
Remote clock offset: -43.828 ms
```

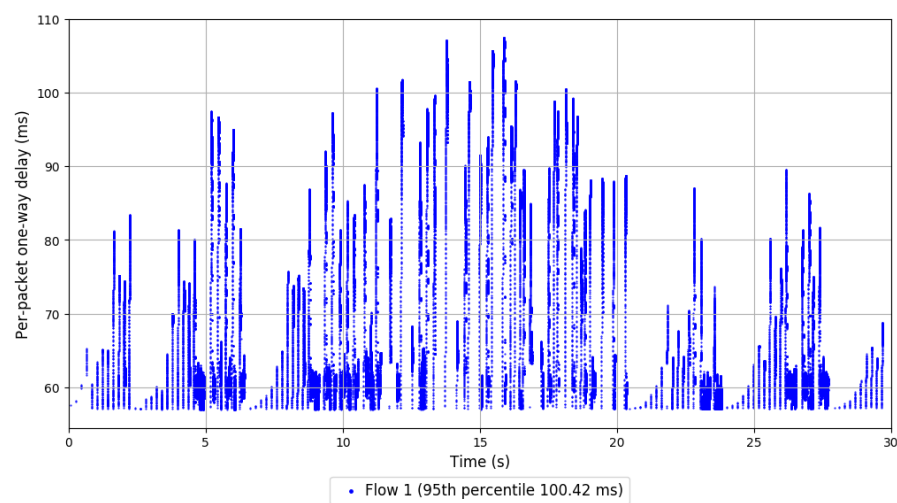Run 5: Report of TCP Vegas — Data Link
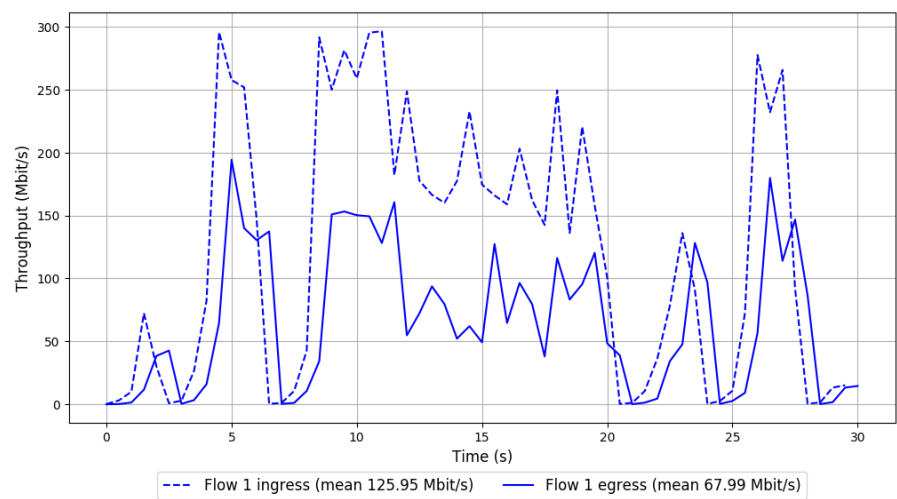
Figure is missing

Figure is missing

```
Run 1: Statistics of Verus

Start at: 2019-11-23 22:28:15
End at: 2019-11-23 22:28:45
Local clock offset: -3.476 ms
Remote clock offset: -42.465 ms


# Below is generated by plot.py at 2019-11-24 01:14:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.99 Mbit/s
95th percentile per-packet one-way delay: 100.422 ms
Loss rate: 46.00%
-- Flow 1:
Average throughput: 67.99 Mbit/s
95th percentile per-packet one-way delay: 100.422 ms
Loss rate: 46.00%
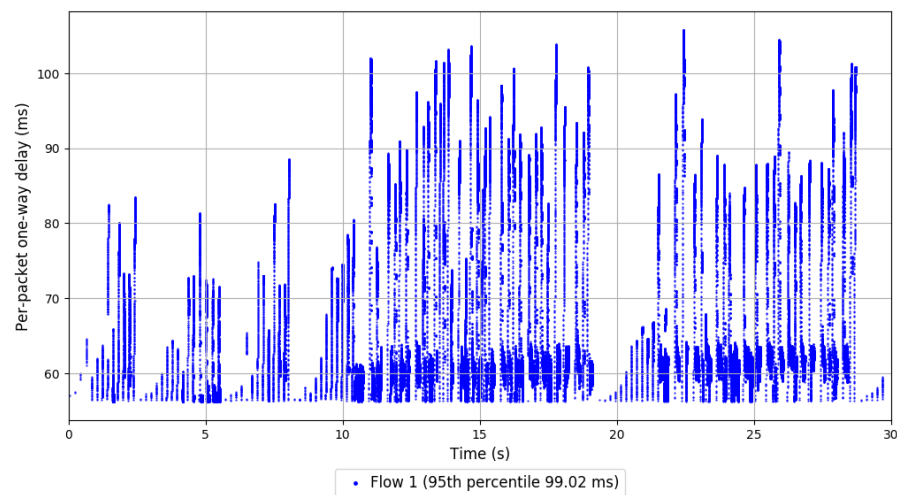```
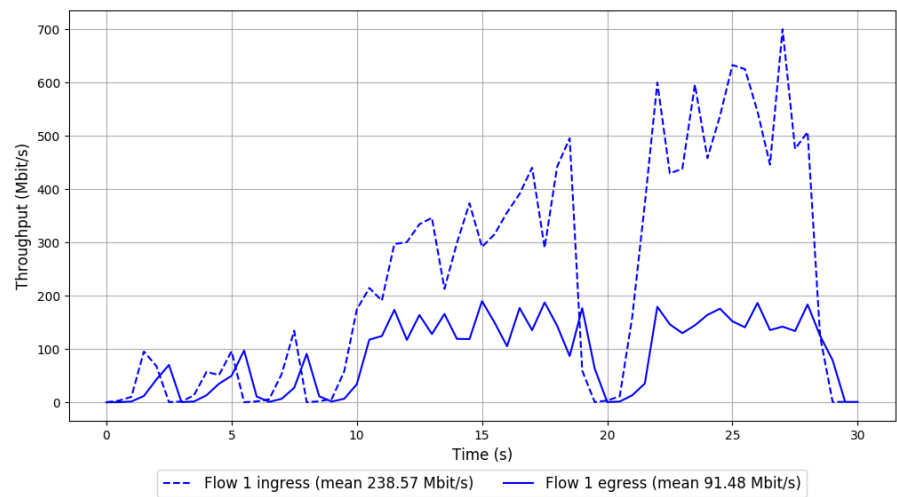
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2019-11-23 22:58:51
End at: 2019-11-23 22:59:21
Local clock offset: -2.012 ms
Remote clock offset: -42.329 ms

Below is generated by plot.py at 2019-11-24 01:14:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 99.016 ms
Loss rate: 61.65%
-- Flow 1:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 99.016 ms
Loss rate: 61.65%
```
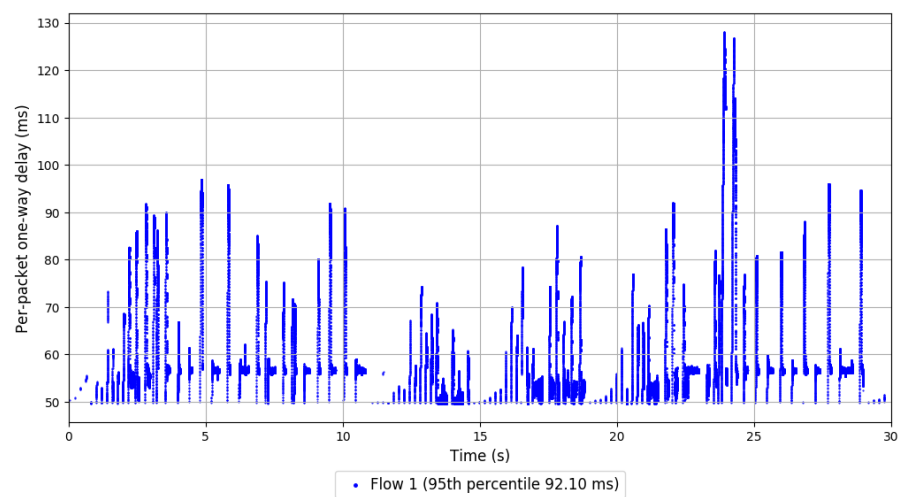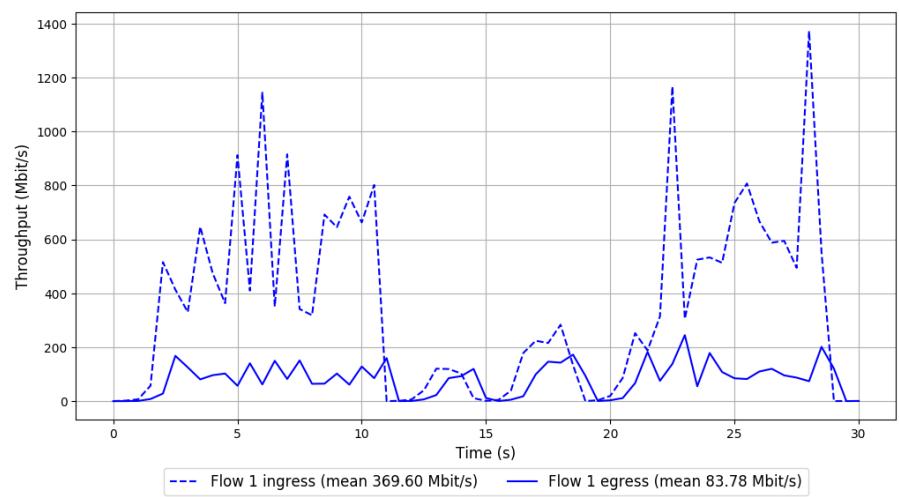
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2019-11-23 23:29:27
End at: 2019-11-23 23:29:57
Local clock offset: 2.971 ms
Remote clock offset: -43.079 ms

Below is generated by plot.py at 2019-11-24 01:14:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 92.099 ms
Loss rate: 77.33%
-- Flow 1:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 92.099 ms
Loss rate: 77.33%
```
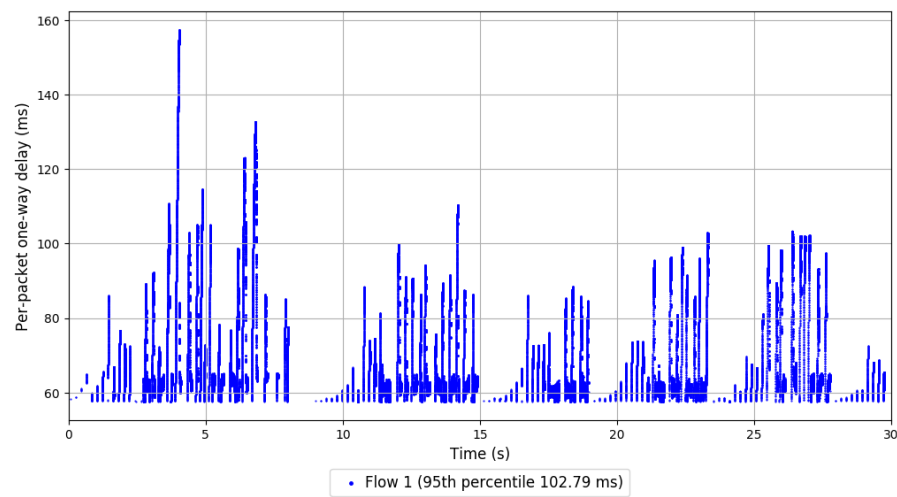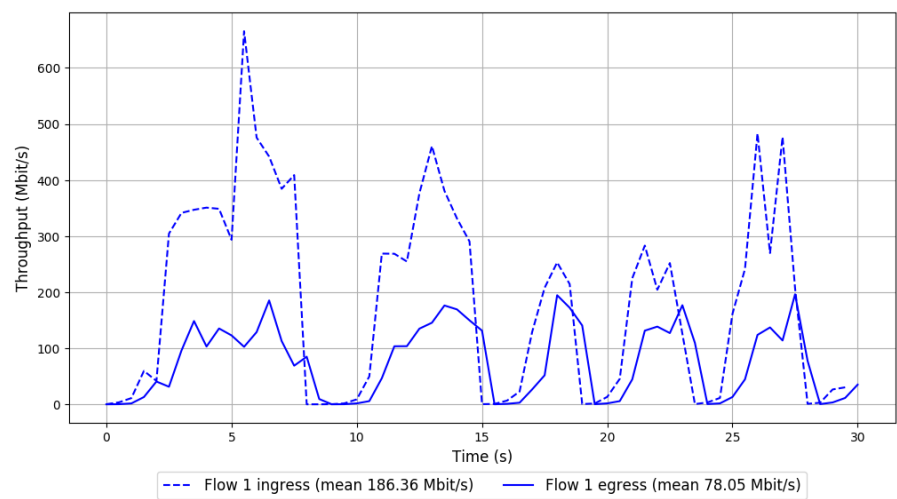
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2019-11-24 00:00:04
End at: 2019-11-24 00:00:34
Local clock offset: 1.466 ms
Remote clock offset: -39.34 ms


# Below is generated by plot.py at 2019-11-24 01:14:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.05 Mbit/s
95th percentile per-packet one-way delay: 102.790 ms
Loss rate: 58.12%
-- Flow 1:
Average throughput: 78.05 Mbit/s
95th percentile per-packet one-way delay: 102.790 ms
Loss rate: 58.12%
```

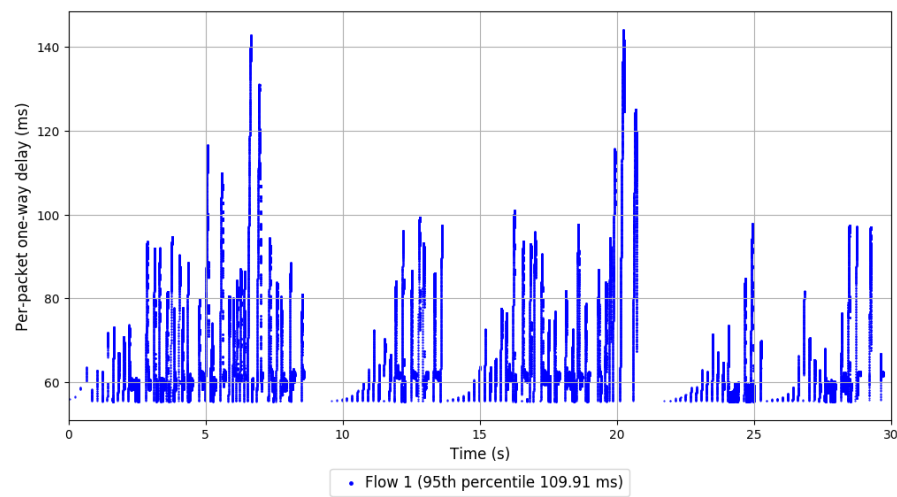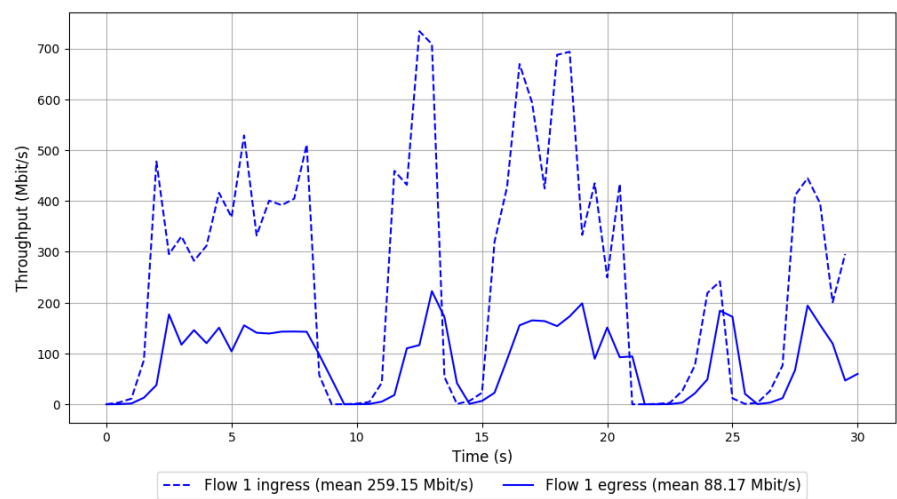## Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2019-11-24 00:30:41
End at: 2019-11-24 00:31:11
Local clock offset: 2.491 ms
Remote clock offset: -38.193 ms


# Below is generated by plot.py at 2019-11-24 01:15:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 109.905 ms
Loss rate: 65.97%
-- Flow 1:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 109.905 ms
Loss rate: 65.97%
```

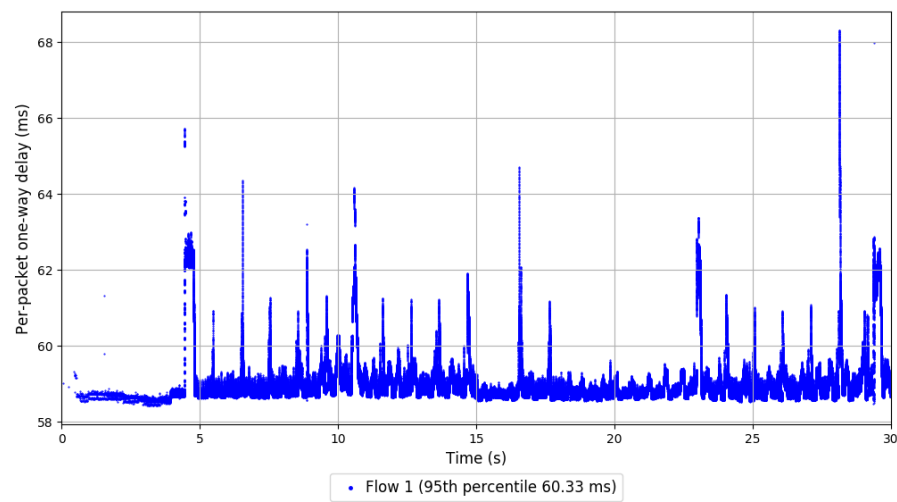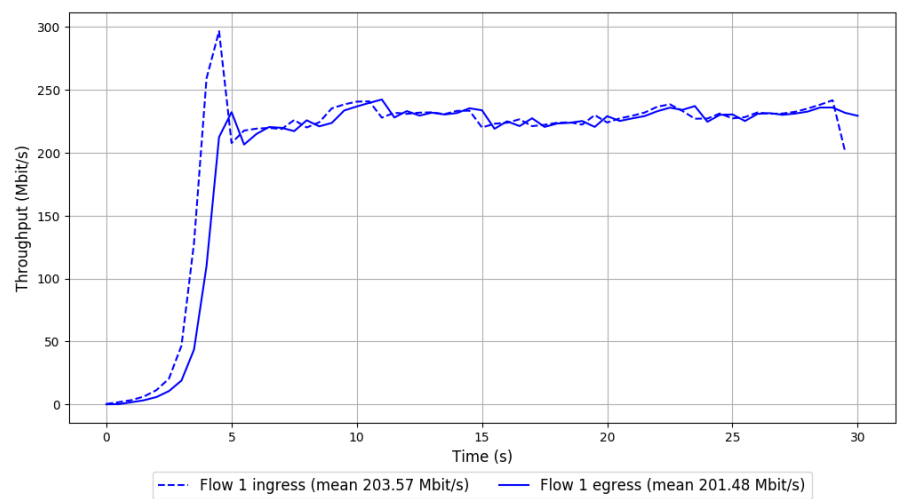## Run 5: Report of Verus — Data Link

```
Run 1: Statistics of PCC-Vivace

Start at: 2019-11-23 22:21:36
End at: 2019-11-23 22:22:07
Local clock offset: -1.804 ms
Remote clock offset: -41.484 ms


# Below is generated by plot.py at 2019-11-24 01:16:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.48 Mbit/s
95th percentile per-packet one-way delay: 60.332 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 201.48 Mbit/s
95th percentile per-packet one-way delay: 60.332 ms
Loss rate: 1.04%
```

Run 1: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 203.57 Mbit/s)   Flow 1 egress (mean 201.48 Mbit/s)

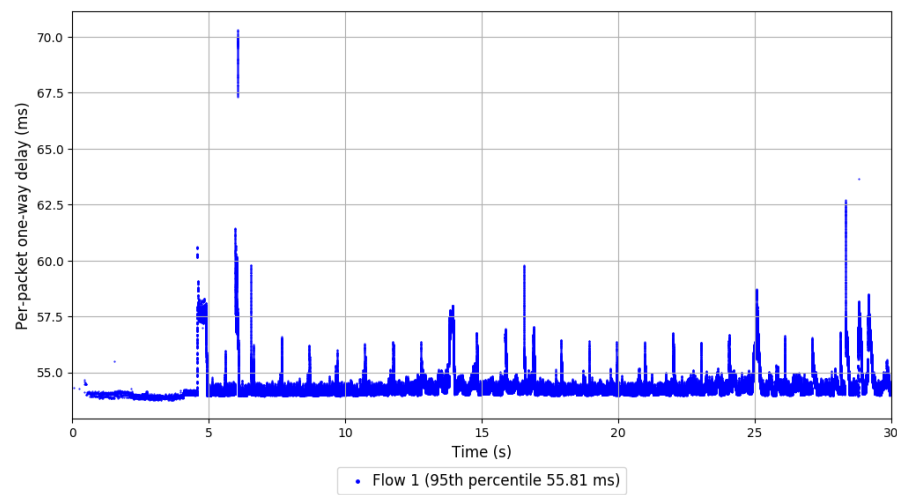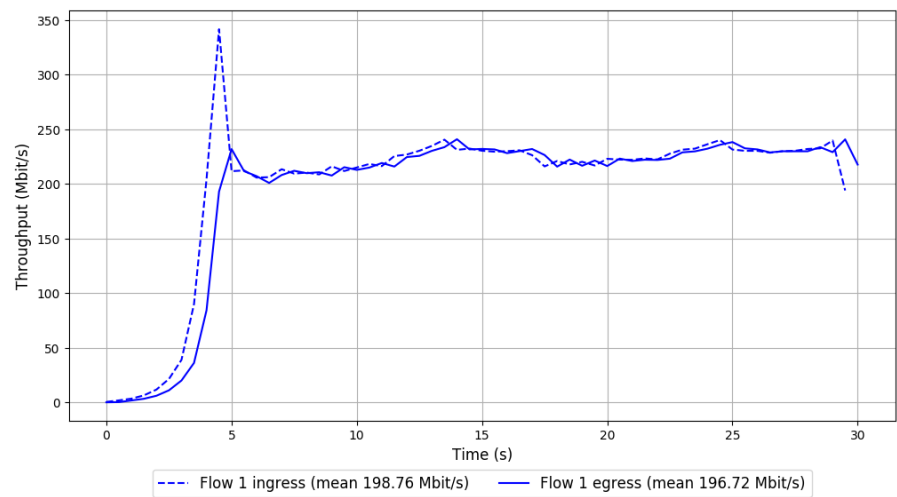

• Flow 1 (95th percentile 60.33 ms)

```
Run 2: Statistics of PCC-Vivace

Start at: 2019-11-23 22:52:19
End at: 2019-11-23 22:52:49
Local clock offset: 3.367 ms
Remote clock offset: -39.447 ms

# Below is generated by plot.py at 2019-11-24 01:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.72 Mbit/s
95th percentile per-packet one-way delay: 55.808 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 196.72 Mbit/s
95th percentile per-packet one-way delay: 55.808 ms
Loss rate: 1.03%
```

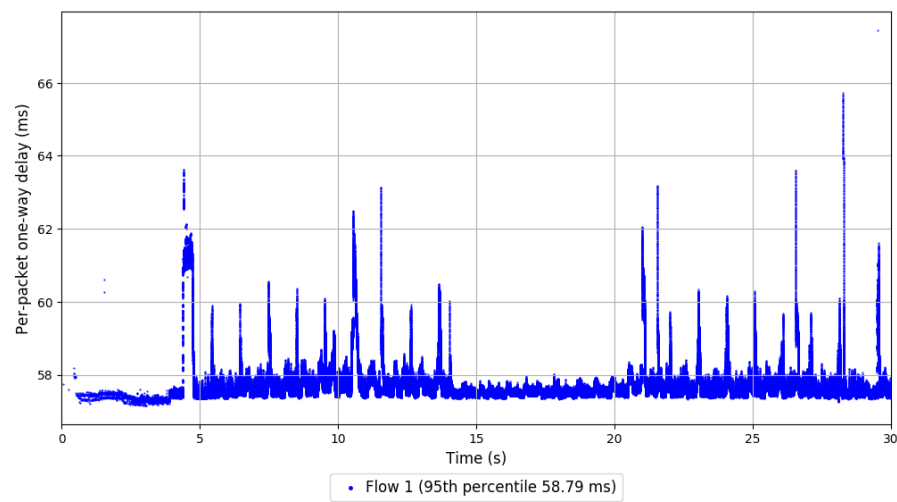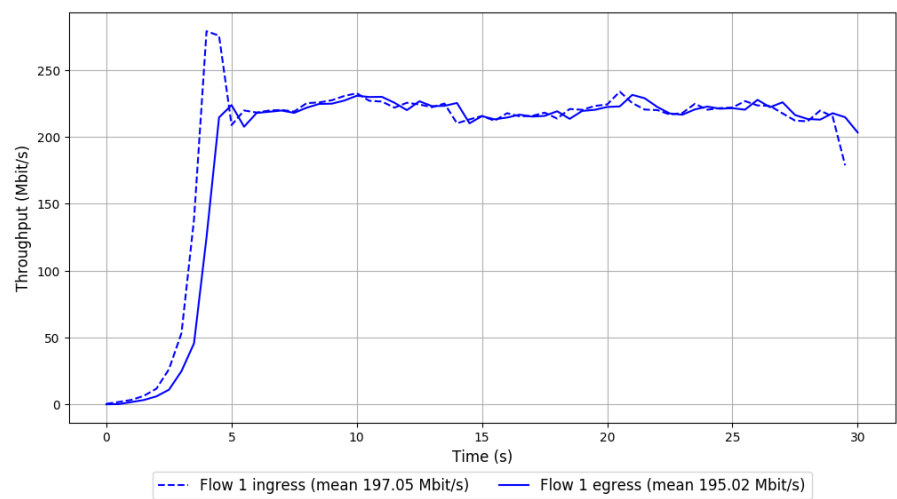Run 2: Report of PCC-Vivace — Data Link

```
Run 3: Statistics of PCC-Vivace

Start at: 2019-11-23 23:22:55
End at: 2019-11-23 23:23:25
Local clock offset: -2.046 ms
Remote clock offset: -40.502 ms


# Below is generated by plot.py at 2019-11-24 01:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.02 Mbit/s
95th percentile per-packet one-way delay: 58.788 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 195.02 Mbit/s
95th percentile per-packet one-way delay: 58.788 ms
Loss rate: 1.03%
```

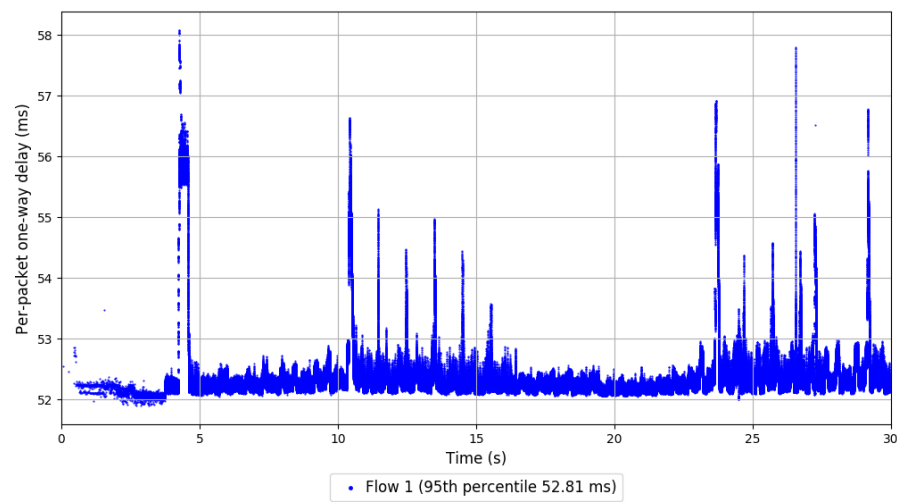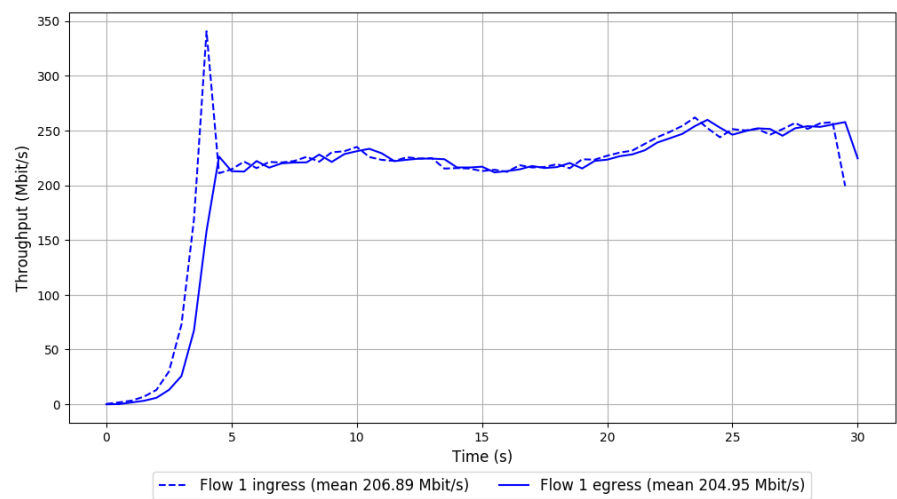Run 3: Report of PCC-Vivace — Data Link

```
Run 4: Statistics of PCC-Vivace

Start at: 2019-11-23 23:53:31
End at: 2019-11-23 23:54:01
Local clock offset: 3.157 ms
Remote clock offset: -43.228 ms


# Below is generated by plot.py at 2019-11-24 01:16:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.95 Mbit/s
95th percentile per-packet one-way delay: 52.809 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 204.95 Mbit/s
95th percentile per-packet one-way delay: 52.809 ms
Loss rate: 0.95%
```

Run 4: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 206.89 Mbit/s) — Flow 1 egress (mean 204.95 Mbit/s)
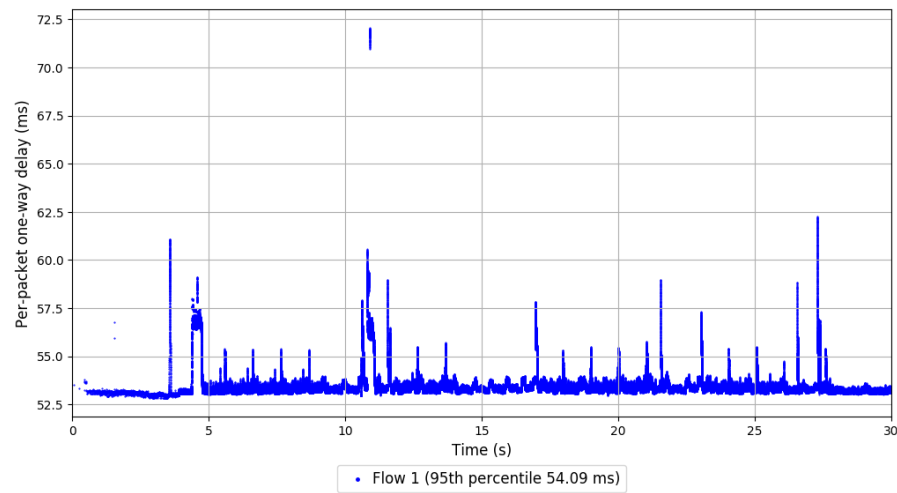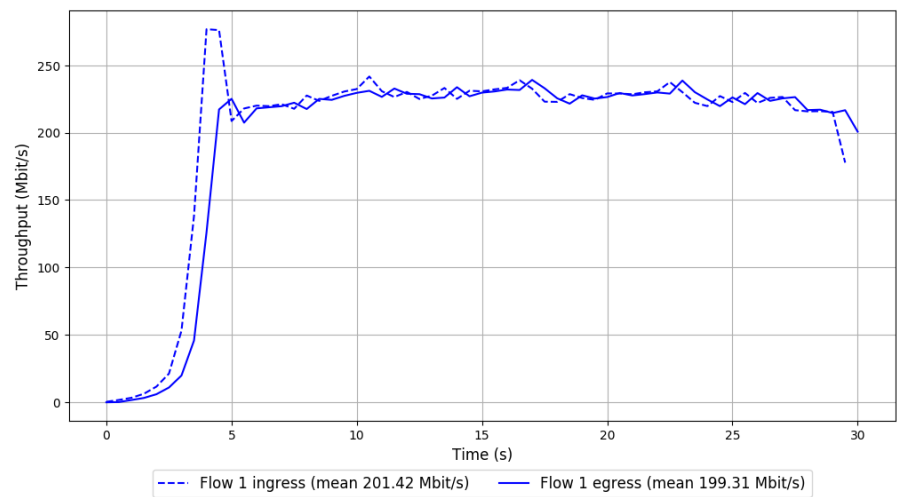

Flow 1 (95th percentile 52.81 ms)

```
Run 5: Statistics of PCC-Vivace

Start at: 2019-11-24 00:24:10
End at: 2019-11-24 00:24:40
Local clock offset: 2.505 ms
Remote clock offset: -40.217 ms


# Below is generated by plot.py at 2019-11-24 01:16:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.31 Mbit/s
95th percentile per-packet one-way delay: 54.090 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 199.31 Mbit/s
95th percentile per-packet one-way delay: 54.090 ms
Loss rate: 1.05%
```

Run 5: Report of PCC-Vivace — Data Link

Flow 1 ingress (mean 201.42 Mbit/s)   Flow 1 egress (mean 199.31 Mbit/s)
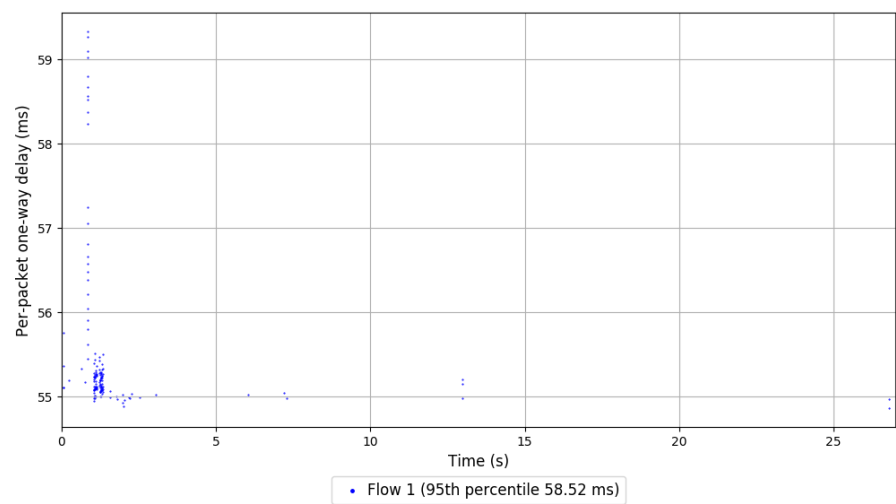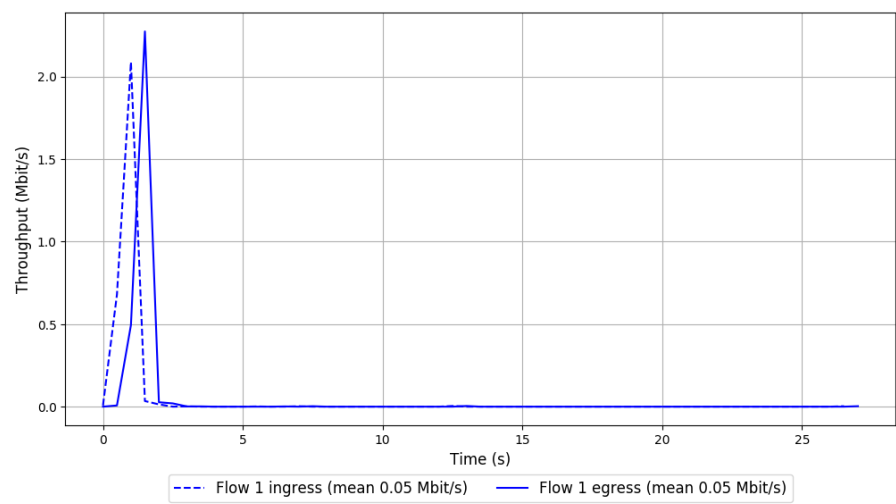

Flow 1 (95th percentile 54.09 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2019-11-23 22:15:25
End at: 2019-11-23 22:15:55
Local clock offset: -0.399 ms
Remote clock offset: -43.633 ms


# Below is generated by plot.py at 2019-11-24 01:16:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.523 ms
Loss rate: 0.00%
```

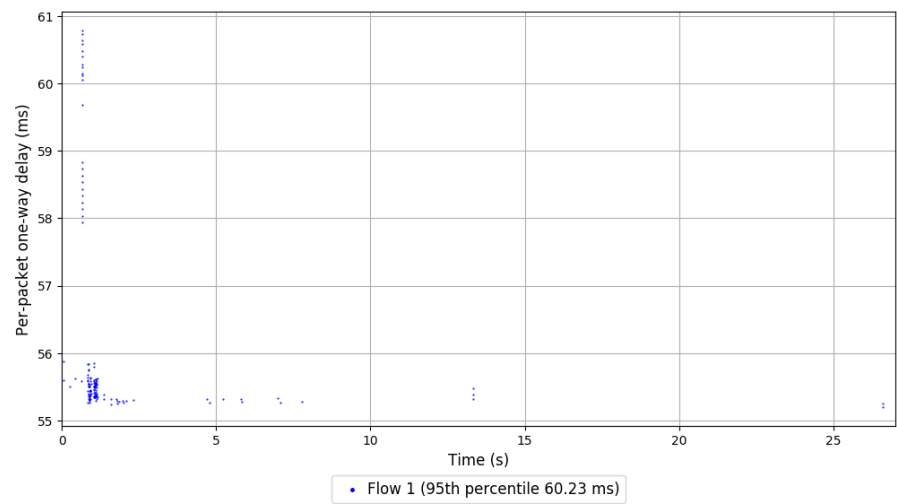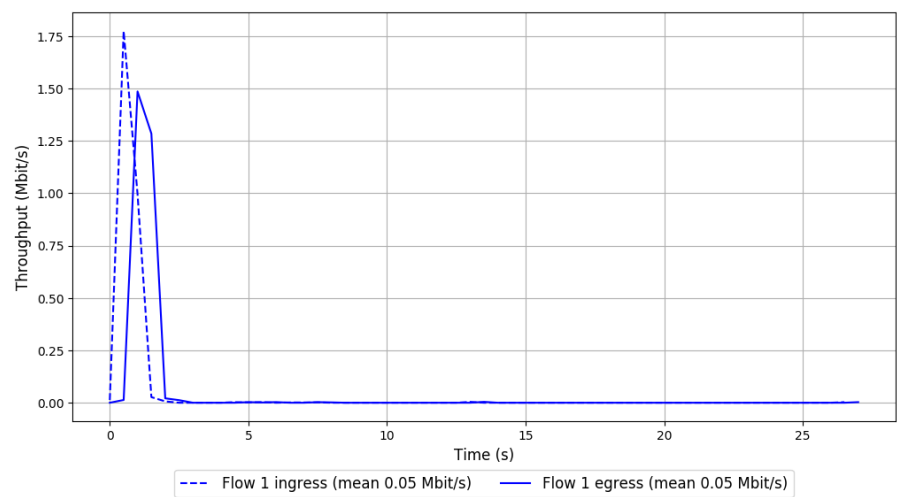Run 1: Report of WebRTC media — Data Link

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```
Run 2: Statistics of WebRTC media

Start at: 2019-11-23 22:46:09
End at: 2019-11-23 22:46:39
Local clock offset: 1.779 ms
Remote clock offset: -40.103 ms


# Below is generated by plot.py at 2019-11-24 01:16:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.235 ms
Loss rate: 0.00%
```

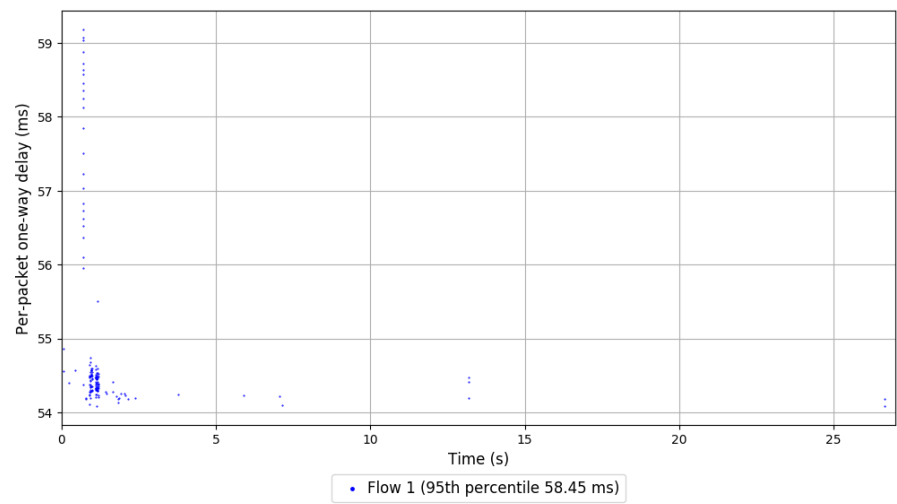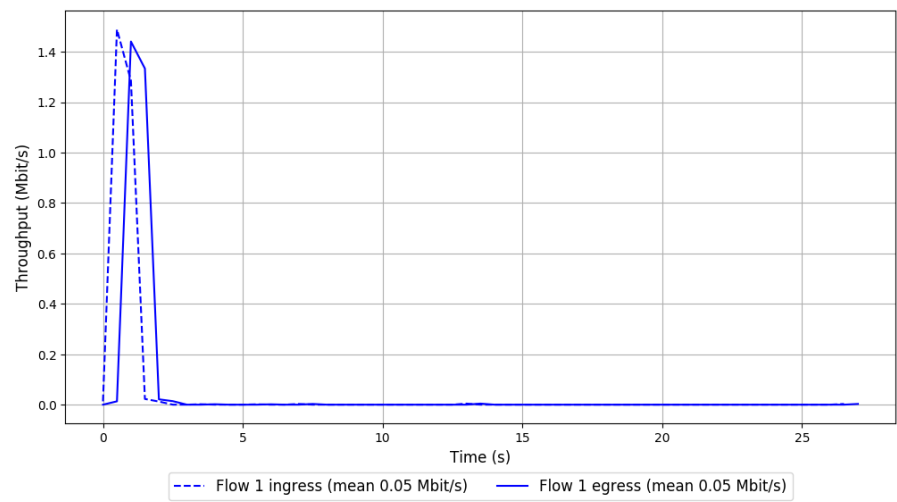Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2019-11-23 23:16:44
End at: 2019-11-23 23:17:14
Local clock offset: 2.568 ms
Remote clock offset: -38.891 ms


# Below is generated by plot.py at 2019-11-24 01:16:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.453 ms
Loss rate: 0.00%
```

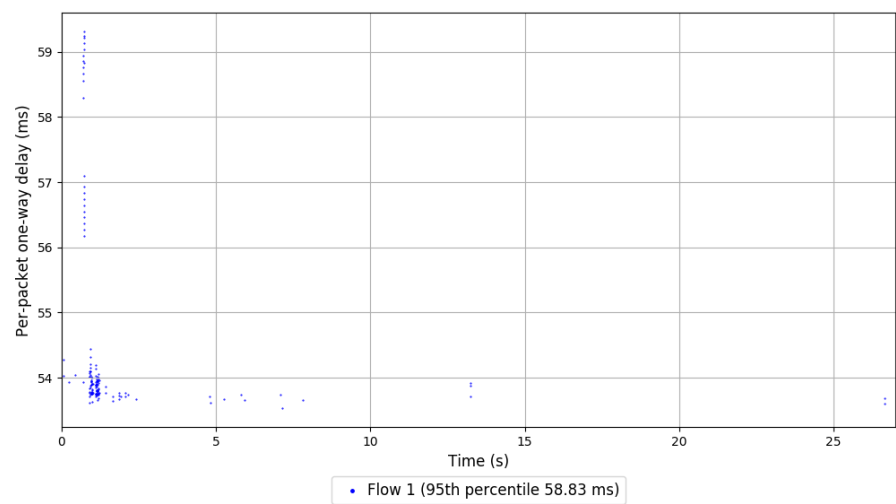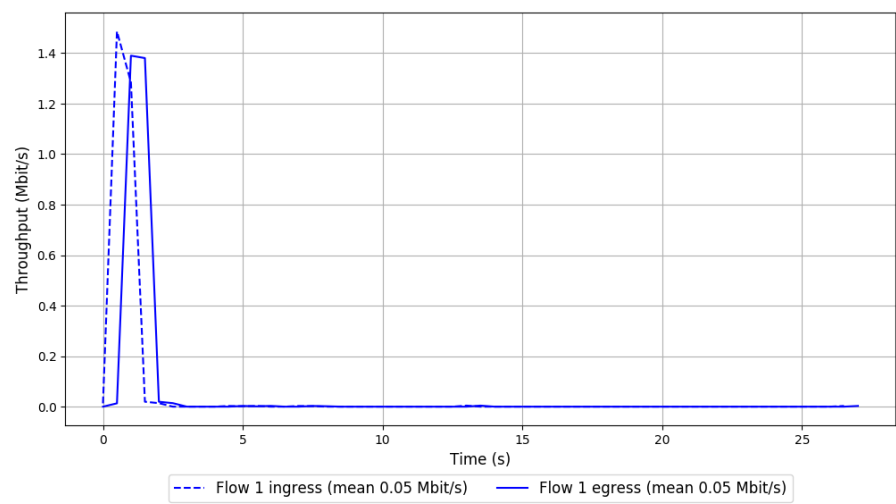Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2019-11-23 23:47:22
End at: 2019-11-23 23:47:52
Local clock offset: 3.482 ms
Remote clock offset: -41.372 ms


# Below is generated by plot.py at 2019-11-24 01:16:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.826 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 0.05 Mbit/s) --- Flow 1 egress (mean 0.05 Mbit/s)

Flow 1 (95th percentile 58.83 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2019-11-24 00:18:00
End at: 2019-11-24 00:18:30
Local clock offset: -1.456 ms
Remote clock offset: -42.87 ms


# Below is generated by plot.py at 2019-11-24 01:16:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.256 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 0.05 Mbit/s)   Flow 1 egress (mean 0.05 Mbit/s)

Flow 1 (95th percentile 58.26 ms)