Pantheon Report

Generated at 2020-04-16 09:00:55 (UTC).

Tested in mahimahi: `mm-delay 50 mm-link 108mbps.trace 108mbps.trace --uplink-queue=droptail --uplink-queue-args=packets=1 --downlink-queue=droptail --downlink-queue-args=packets=1`

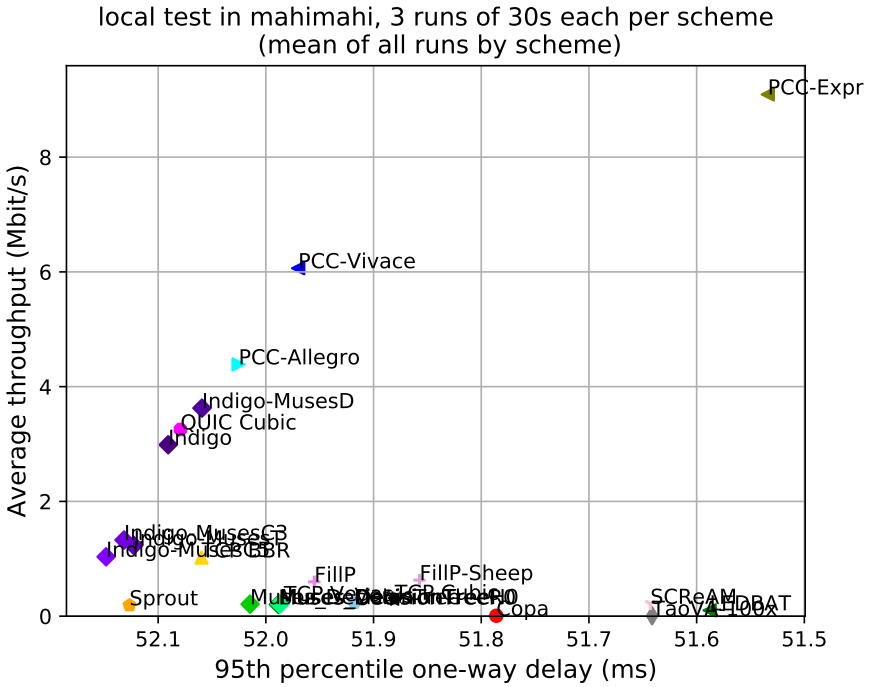
Repeated the test of 24 congestion control schemes 3 times.

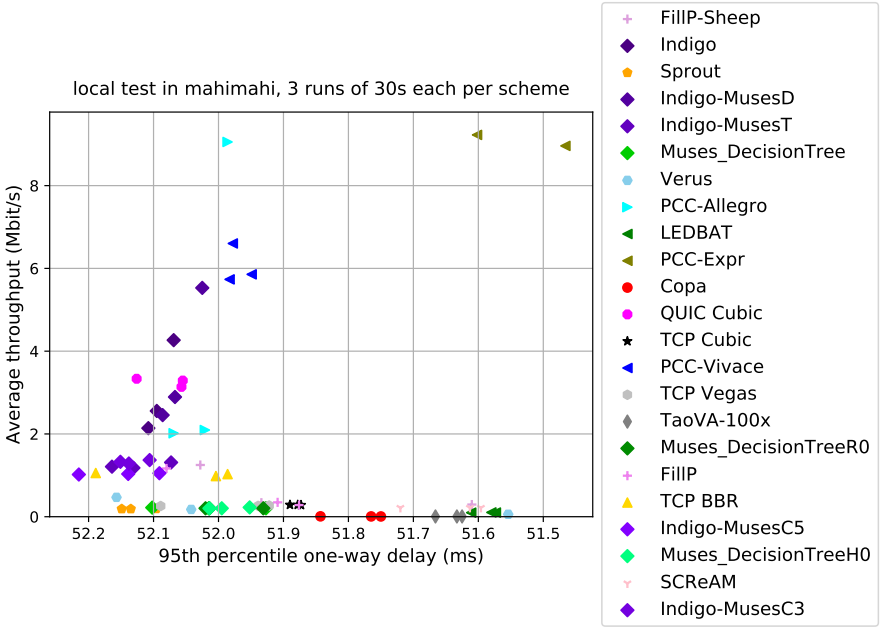
Each test lasted for 30 seconds running 1 flow.

```
System info:
Linux 5.0.0-1031-gcp
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 @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
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
```


local test in mahimahi, 3 runs of 30s each per scheme
(mean of all runs by scheme)
Average throughput (Mbit/s)
95th percentile one-way delay (ms)
PCC-Expr
PCC-Vivace
PCC-Allegro
Indigo-MusesD
QUIC Cubic
Indigo
FillP
FillP-Sheep
Sprout
Copa
SCReAM
LEDBAT
TaoVA-100x


local test in mahimahi, 3 runs of 30s each per scheme
Average throughput (Mbit/s)
95th percentile one-way delay (ms)
FillP-Sheep
Indigo
Sprout
Indigo-MusesD
Indigo-MusesT
Muses_DecisionTree
Verus
PCC-Allegro
LEDBAT
PCC-Expr
Copa
QUIC Cubic
TCP Cubic
PCC-Vivace
TCP Vegas
TaoVA-100x
Muses_DecisionTreeR0
FillP
TCP BBR
Indigo-MusesC5
Muses_DecisionTreeH0
SCReAM
Indigo-MusesC3

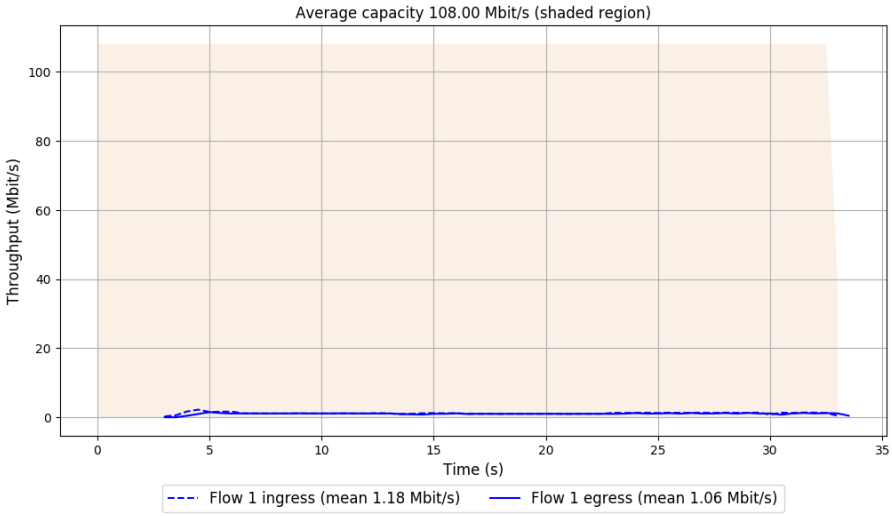
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	3	1.02	52.06	9.80
Copa	3	0.01	51.79	88.64
TCP Cubic	3	0.29	51.88	12.71
FillP	3	0.60	51.95	45.65
FillP-Sheep	3	0.63	51.86	34.55
Indigo	3	2.99	52.09	96.99
Indigo-MusesC3	3	1.33	52.13	31.83
Indigo-MusesC5	3	1.03	52.15	38.69
Indigo-MusesD	3	3.63	52.06	42.04
Indigo-MusesT	3	1.23	52.12	24.02
LEDBAT	3	0.10	51.59	36.58
Muses_DecisionTree	3	0.21	52.01	11.27
Muses_DecisionTreeH0	3	0.21	51.99	7.36
Muses_DecisionTreeR0	3	0.20	51.99	1.91
PCC-Allegro	3	4.39	52.03	2.73
PCC-Expr	2	9.10	51.53	96.56
QUIC Cubic	3	3.25	52.08	1.36
SCReAM	3	0.21	51.64	0.22
Sprout	3	0.19	52.13	8.35
TaoVA-100x	3	0.01	51.64	51.91
TCP Vegas	3	0.26	51.98	14.19
Verus	3	0.24	51.92	77.92
PCC-Vivace	3	6.06	51.97	0.50
WebRTC media	0	N/A	N/A	N/A

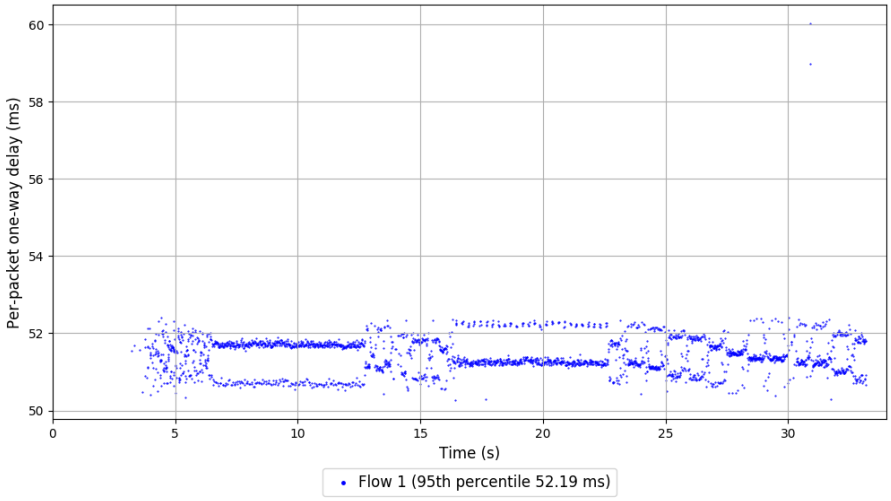
```
Run 1: Statistics of TCP BBR

Start at: 2020-04-16 08:24:43
End at: 2020-04-16 08:25:13

# Below is generated by plot.py at 2020-04-16 08:55:32
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.06 Mbit/s (1.0% utilization)
95th percentile per-packet one-way delay: 52.189 ms
Loss rate: 10.52%
-- Flow 1:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 52.189 ms
Loss rate: 10.52%
```

Run 1: Report of TCP BBR — Data Link



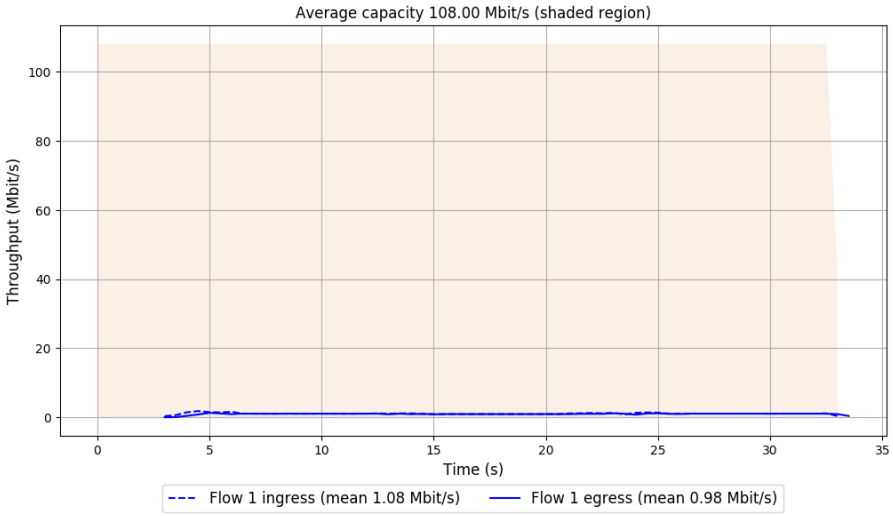


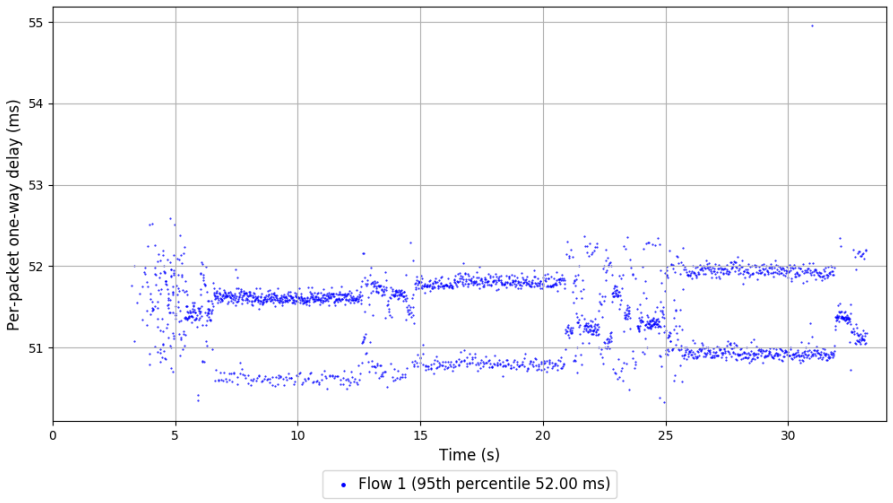
```
Run 2: Statistics of TCP BBR

Start at: 2020-04-16 08:39:25
End at: 2020-04-16 08:39:55

# Below is generated by plot.py at 2020-04-16 08:55:32
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.98 Mbit/s (0.9% utilization)
95th percentile per-packet one-way delay: 52.004 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 52.004 ms
Loss rate: 8.75%
```

Run 2: Report of TCP BBR — Data Link



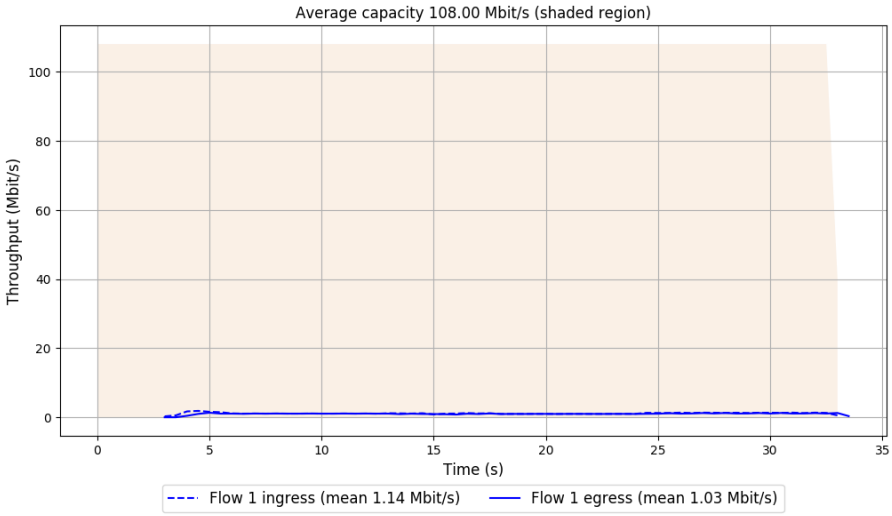


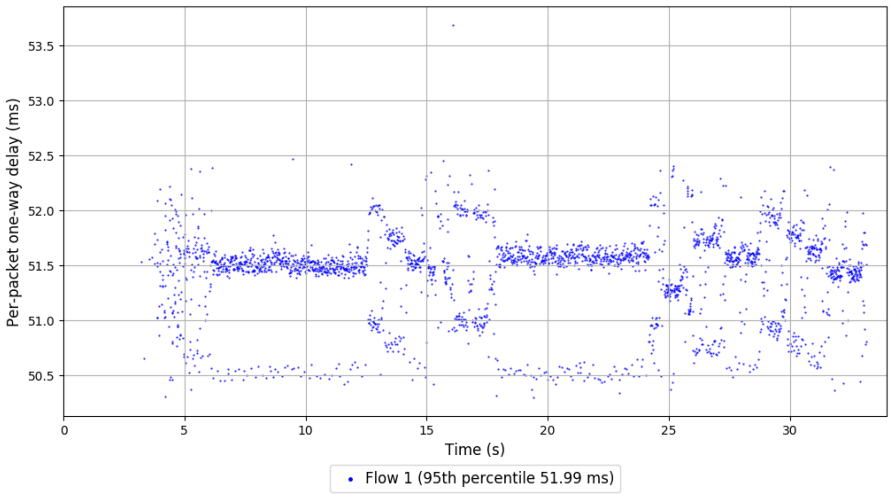
```
Run 3: Statistics of TCP BBR

Start at: 2020-04-16 08:54:04
End at: 2020-04-16 08:54:34

# Below is generated by plot.py at 2020-04-16 08:55:32
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.03 Mbit/s (1.0% utilization)
95th percentile per-packet one-way delay: 51.986 ms
Loss rate: 10.14%
-- Flow 1:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 51.986 ms
Loss rate: 10.14%
```

Run 3: Report of TCP BBR — Data Link



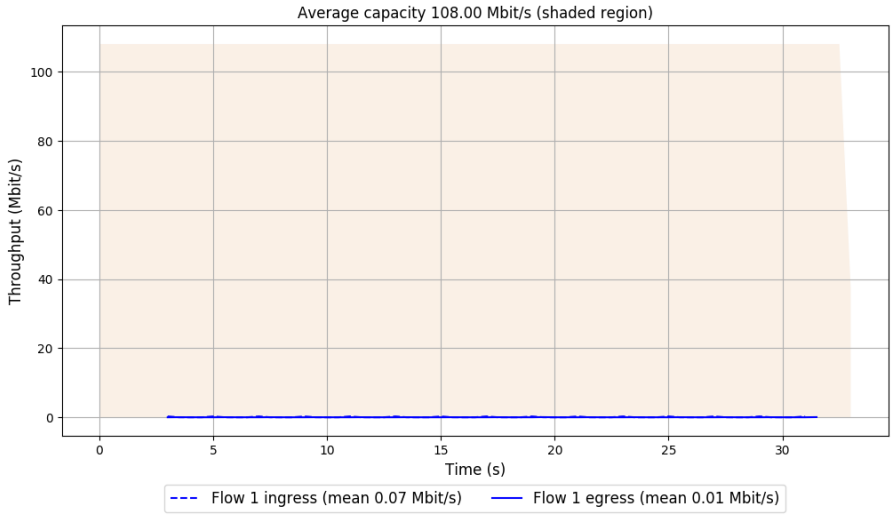


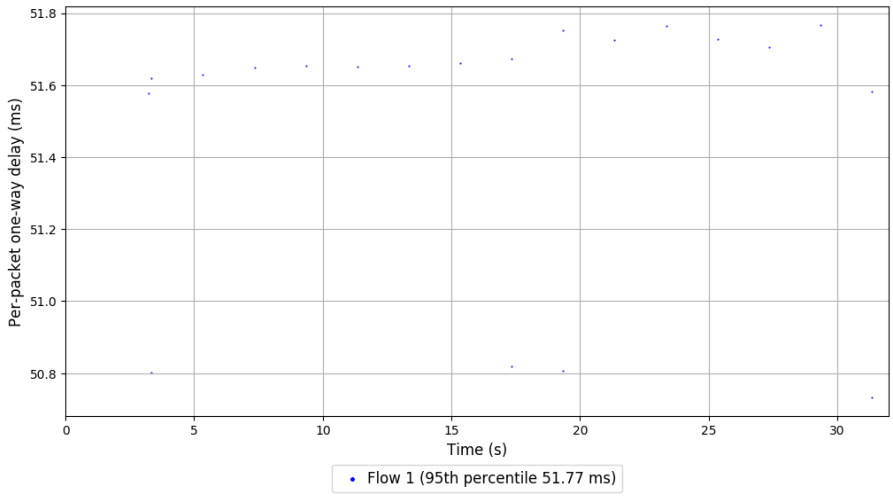
```
Run 1: Statistics of Copa

Start at: 2020-04-16 08:22:19
End at: 2020-04-16 08:22:49

# Below is generated by plot.py at 2020-04-16 08:55:32
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.01 Mbit/s (0.0% utilization)
95th percentile per-packet one-way delay: 51.765 ms
Loss rate: 89.03%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 51.765 ms
Loss rate: 89.03%
```

Run 1: Report of Copa — Data Link



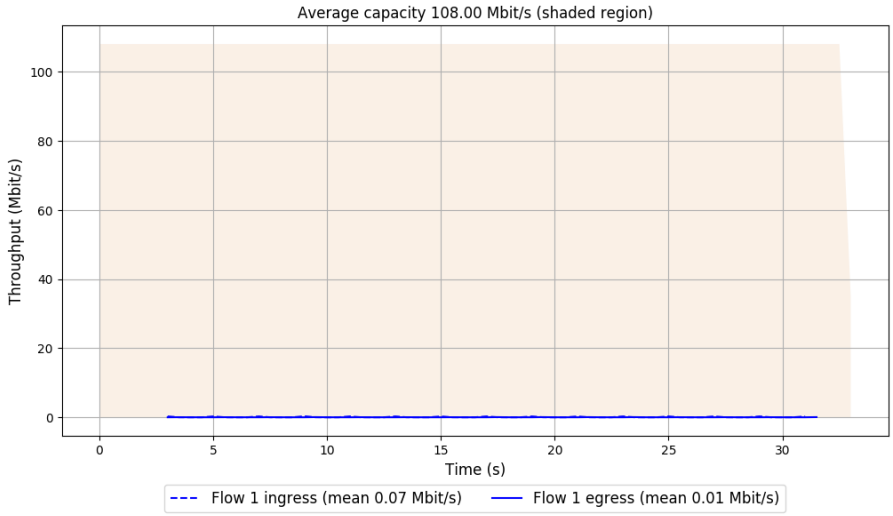


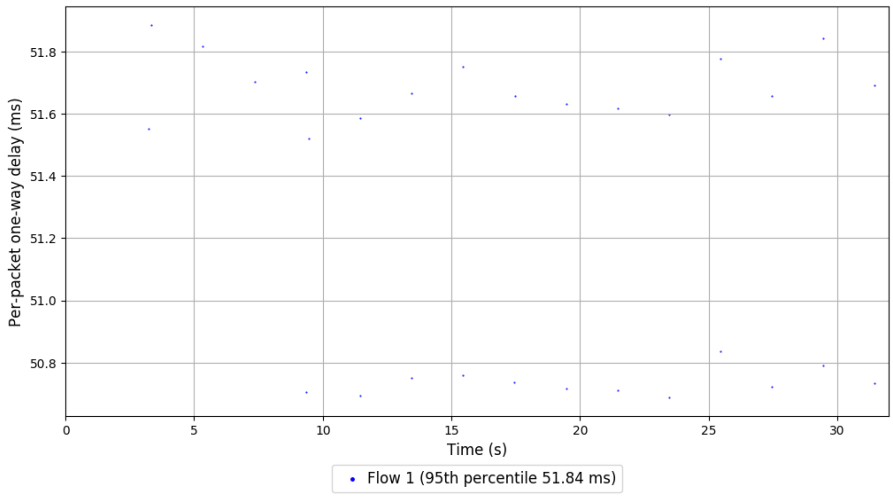
```
Run 2: Statistics of Copa

Start at: 2020-04-16 08:37:00
End at: 2020-04-16 08:37:30

# Below is generated by plot.py at 2020-04-16 08:55:32
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.01 Mbit/s (0.0% utilization)
95th percentile per-packet one-way delay: 51.843 ms
Loss rate: 86.52%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 51.843 ms
Loss rate: 86.52%
```

Run 2: Report of Copa — Data Link



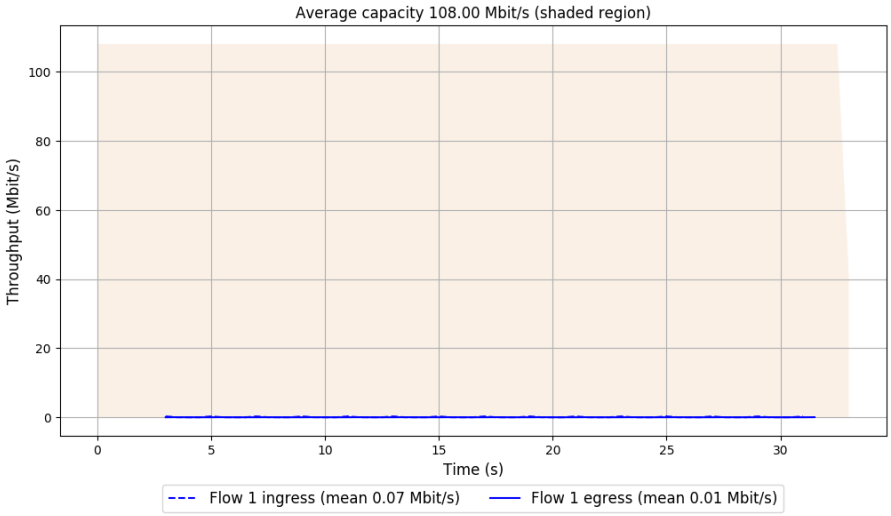


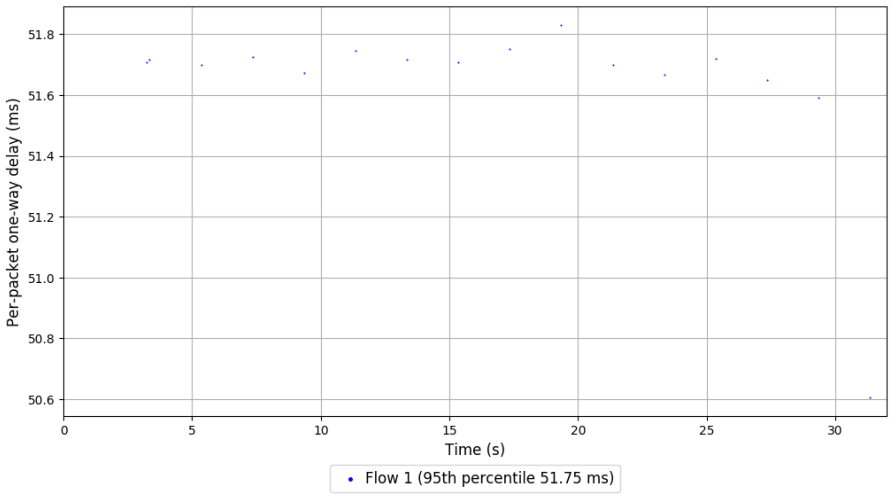
```
Run 3: Statistics of Copa

Start at: 2020-04-16 08:51:39
End at: 2020-04-16 08:52:09

# Below is generated by plot.py at 2020-04-16 08:55:32
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.01 Mbit/s (0.0% utilization)
95th percentile per-packet one-way delay: 51.750 ms
Loss rate: 90.36%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 51.750 ms
Loss rate: 90.36%
```

Run 3: Report of Copa — Data Link



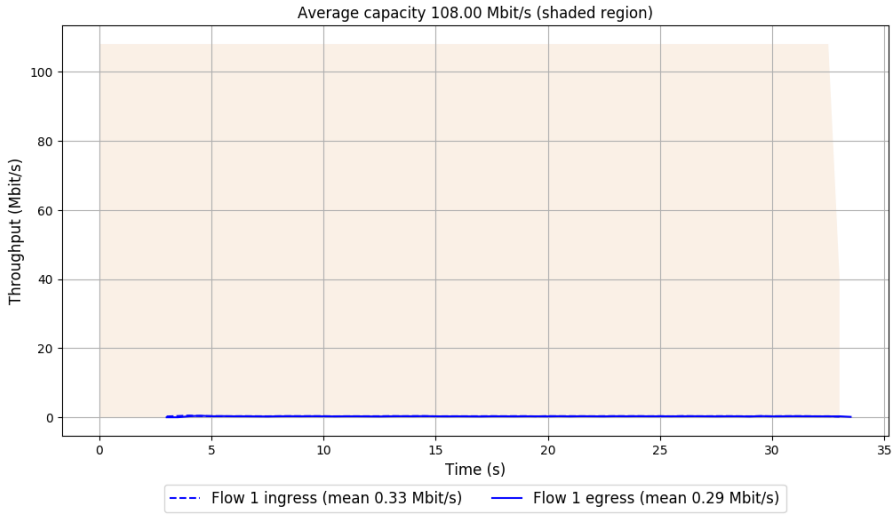


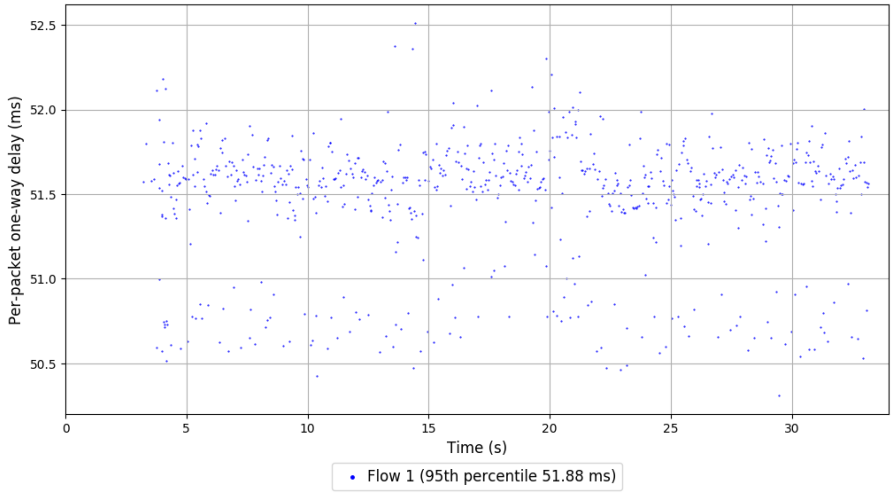
```
Run 1: Statistics of TCP Cubic

Start at: 2020-04-16 08:18:41
End at: 2020-04-16 08:19:11

# Below is generated by plot.py at 2020-04-16 08:55:32
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.29 Mbit/s (0.3% utilization)
95th percentile per-packet one-way delay: 51.878 ms
Loss rate: 12.70%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 51.878 ms
Loss rate: 12.70%
```

Run 1: Report of TCP Cubic — Data Link



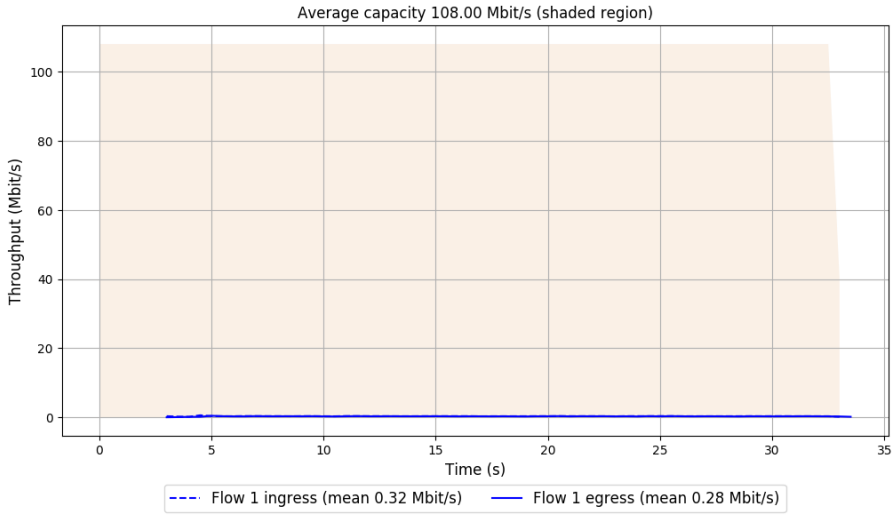


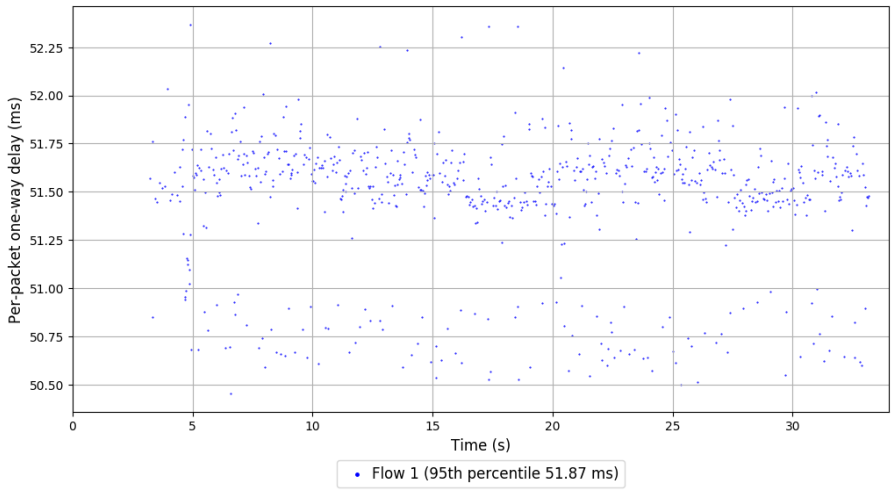
```
Run 2: Statistics of TCP Cubic

Start at: 2020-04-16 08:33:22
End at: 2020-04-16 08:33:52

# Below is generated by plot.py at 2020-04-16 08:55:32
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.28 Mbit/s (0.3% utilization)
95th percentile per-packet one-way delay: 51.873 ms
Loss rate: 13.19%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 51.873 ms
Loss rate: 13.19%
```

Run 2: Report of TCP Cubic — Data Link



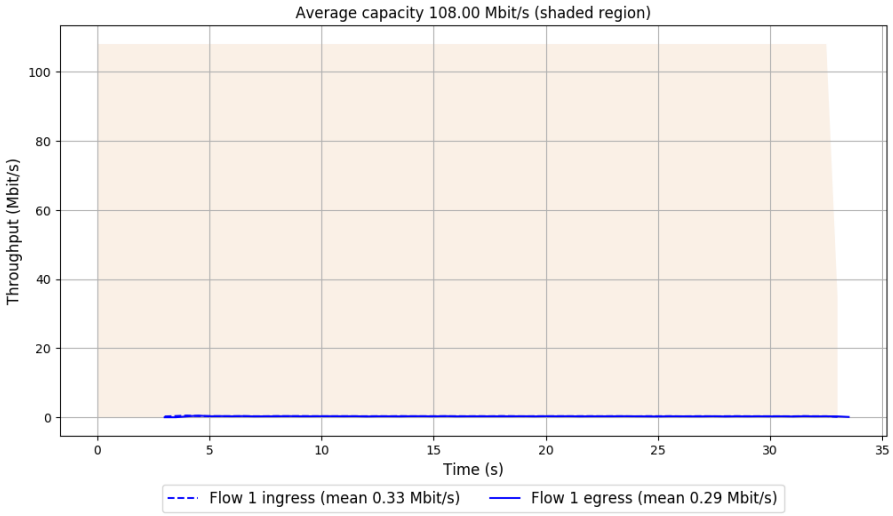


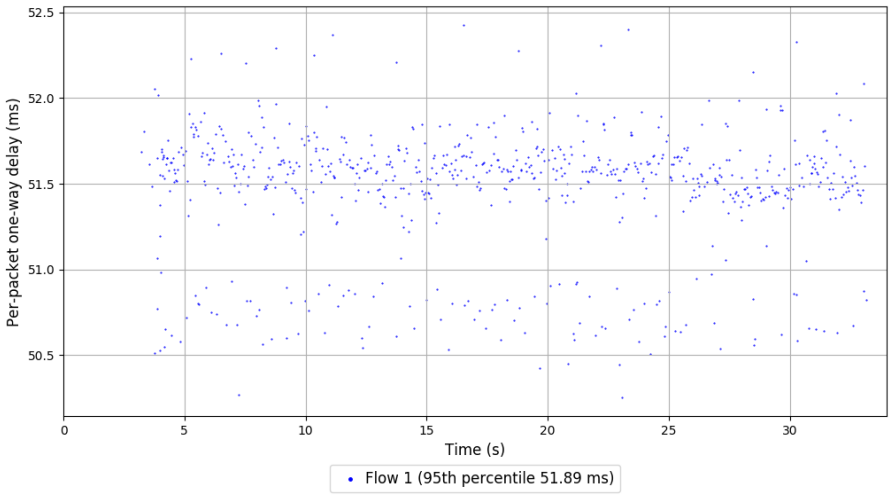
```
Run 3: Statistics of TCP Cubic

Start at: 2020-04-16 08:48:02
End at: 2020-04-16 08:48:32

# Below is generated by plot.py at 2020-04-16 08:55:58
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.29 Mbit/s (0.3% utilization)
95th percentile per-packet one-way delay: 51.890 ms
Loss rate: 12.24%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 51.890 ms
Loss rate: 12.24%
```

Run 3: Report of TCP Cubic — Data Link



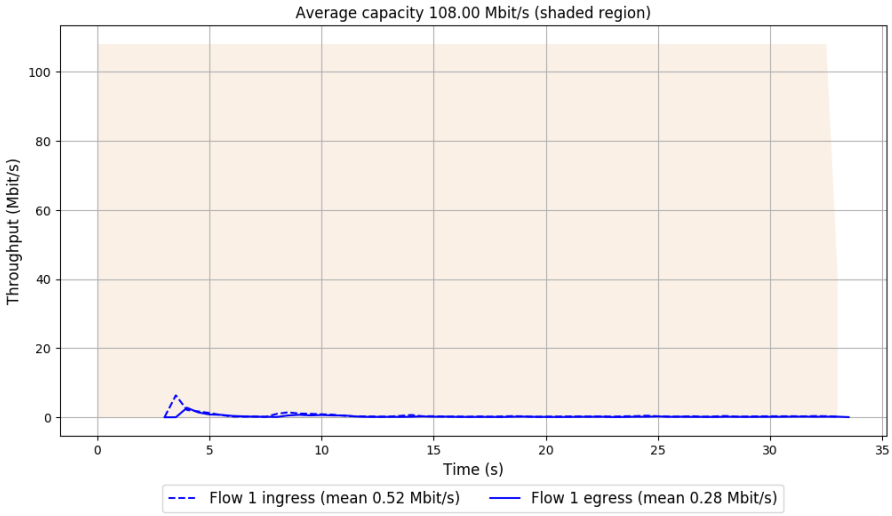


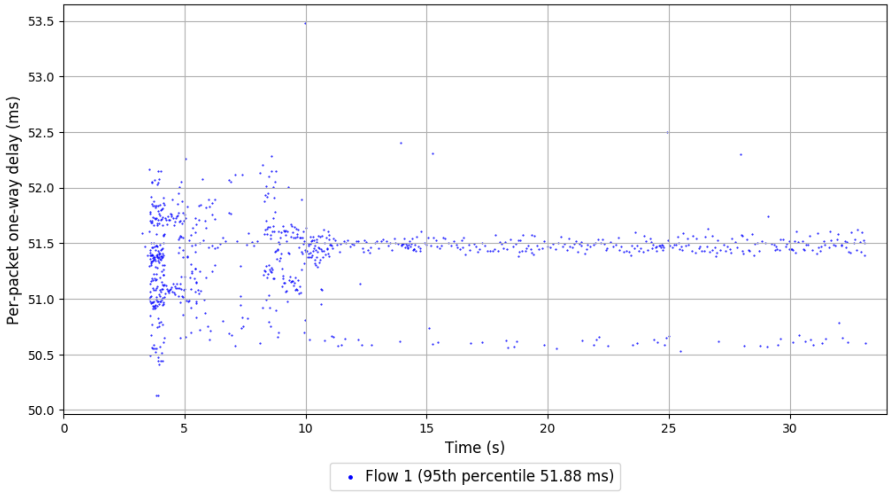
```
Run 1: Statistics of FillP

Start at: 2020-04-16 08:10:43
End at: 2020-04-16 08:11:13

# Below is generated by plot.py at 2020-04-16 08:55:59
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.28 Mbit/s (0.3% utilization)
95th percentile per-packet one-way delay: 51.876 ms
Loss rate: 46.07%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 51.876 ms
Loss rate: 46.07%
```

Run 1: Report of FillP — Data Link



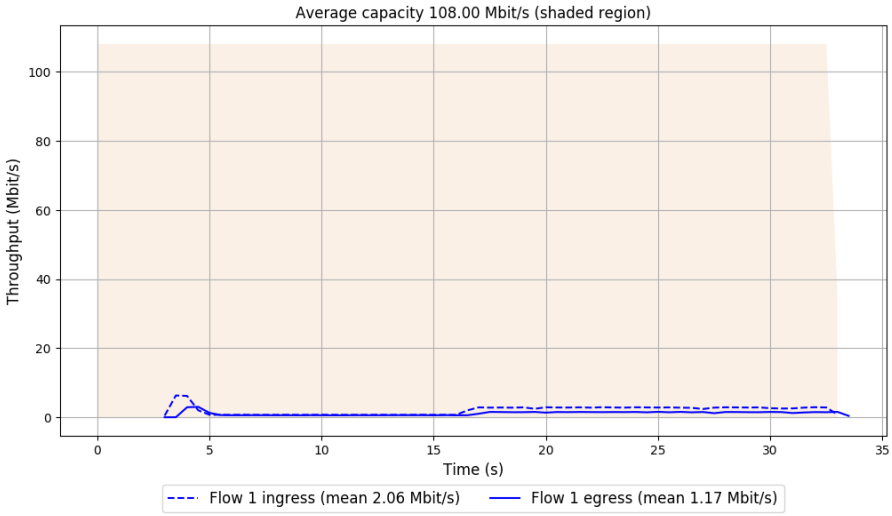


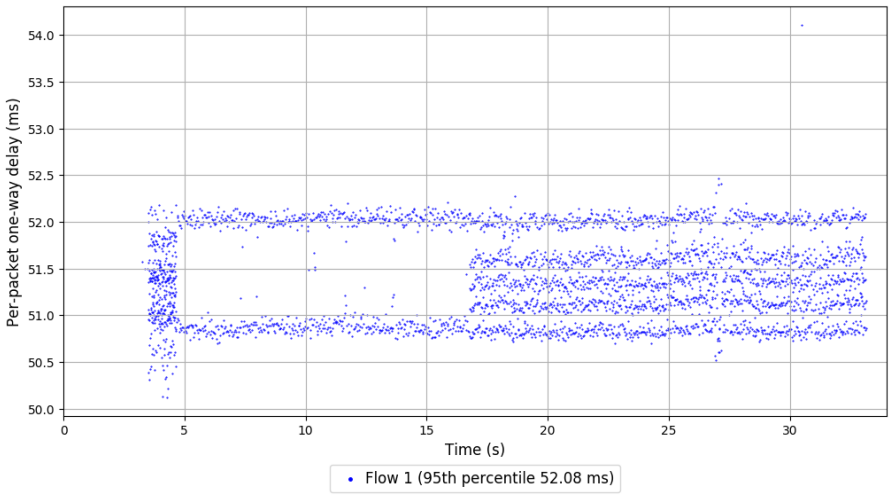
```
Run 2: Statistics of FillP

Start at: 2020-04-16 08:25:20
End at: 2020-04-16 08:25:50

# Below is generated by plot.py at 2020-04-16 08:56:03
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.17 Mbit/s (1.1% utilization)
95th percentile per-packet one-way delay: 52.080 ms
Loss rate: 43.48%
-- Flow 1:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 52.080 ms
Loss rate: 43.48%
```

Run 2: Report of FillP — Data Link



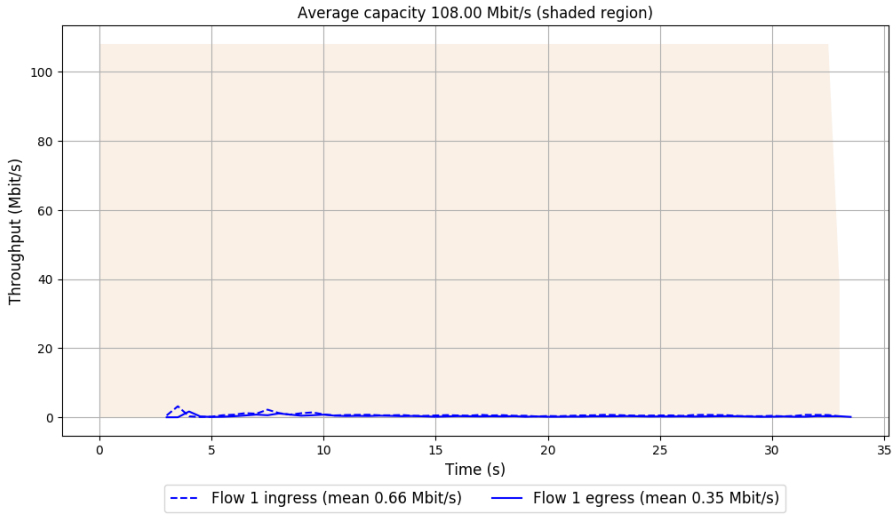


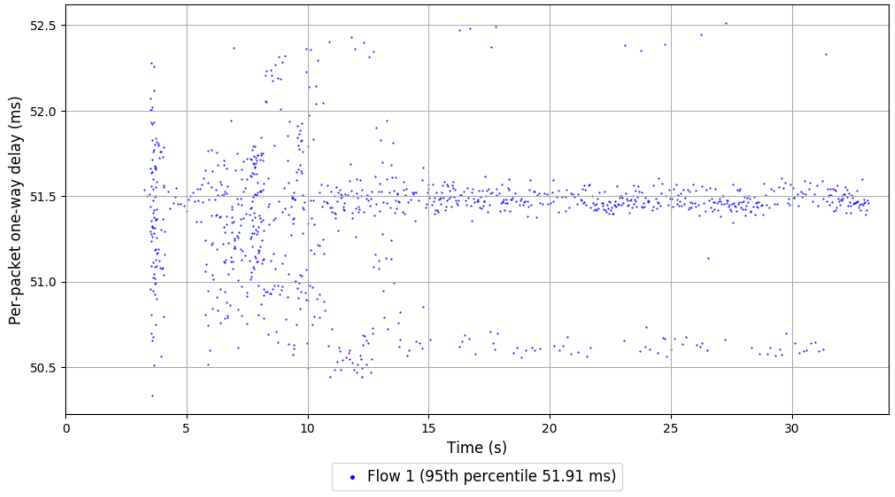
```
Run 3: Statistics of FillP

Start at: 2020-04-16 08:40:01
End at: 2020-04-16 08:40:31

# Below is generated by plot.py at 2020-04-16 08:56:03
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.35 Mbit/s (0.3% utilization)
95th percentile per-packet one-way delay: 51.909 ms
Loss rate: 47.41%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 51.909 ms
Loss rate: 47.41%
```

Run 3: Report of FillP — Data Link



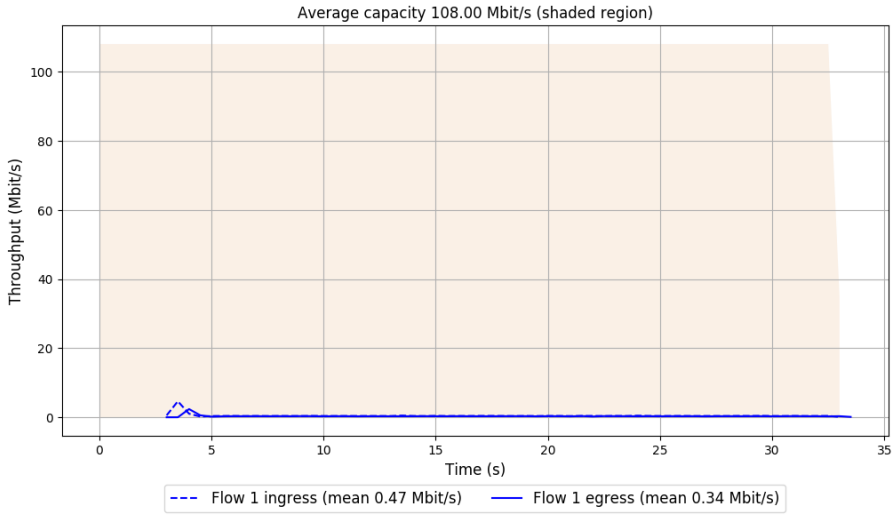


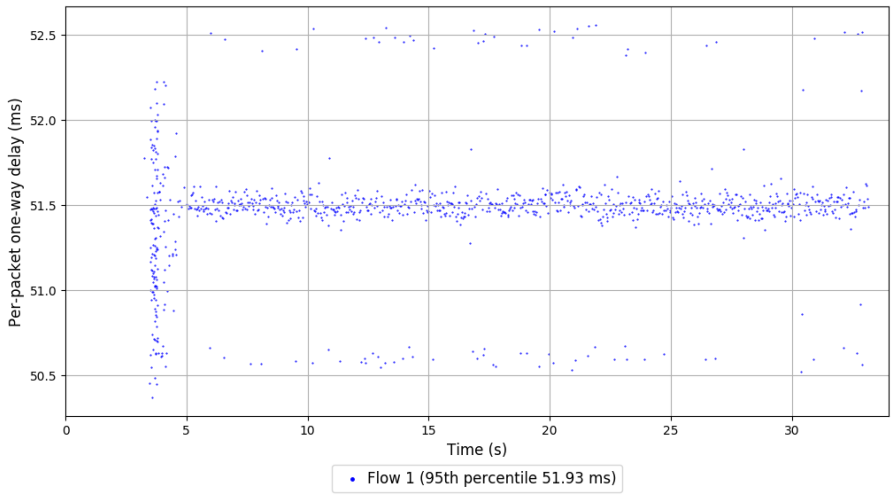
```
Run 1: Statistics of FillP-Sheep

Start at: 2020-04-16 08:22:55
End at: 2020-04-16 08:23:25

# Below is generated by plot.py at 2020-04-16 08:56:03
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.34 Mbit/s (0.3% utilization)
95th percentile per-packet one-way delay: 51.934 ms
Loss rate: 28.41%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 51.934 ms
Loss rate: 28.41%
```

Run 1: Report of FillP-Sheep — Data Link



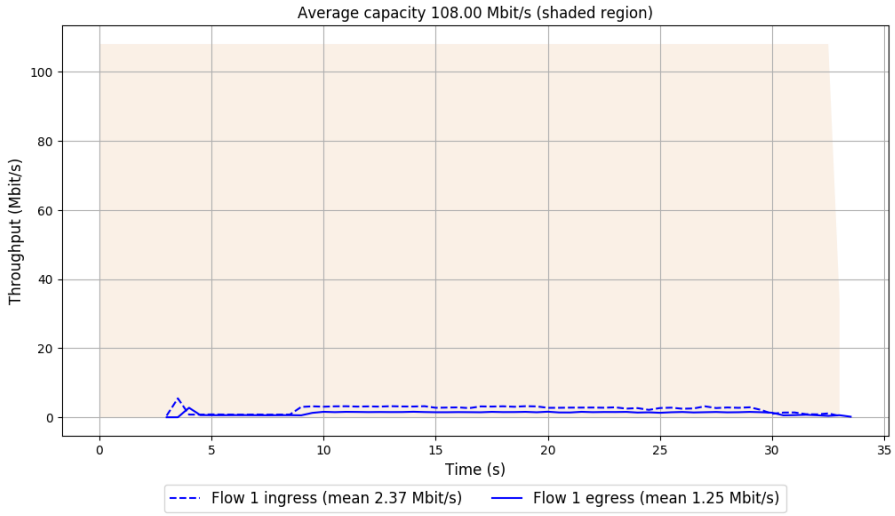


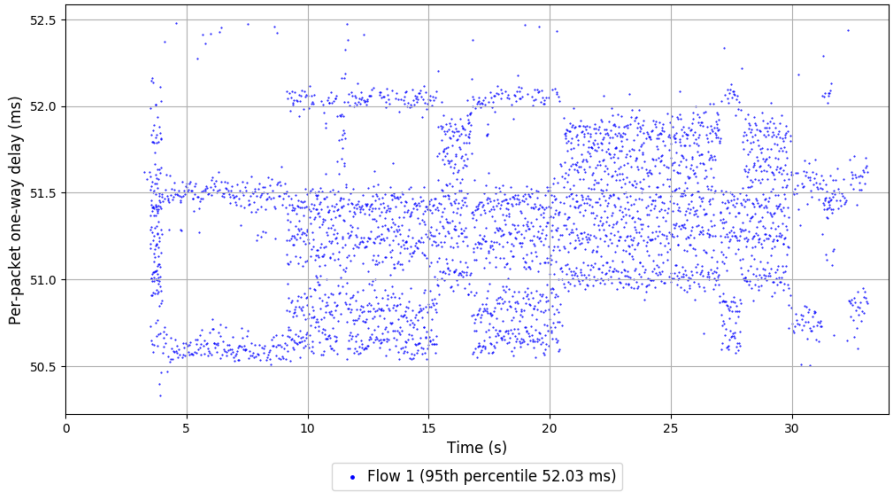
```
Run 2: Statistics of FillP-Sheep

Start at: 2020-04-16 08:37:36
End at: 2020-04-16 08:38:06

# Below is generated by plot.py at 2020-04-16 08:56:04
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.25 Mbit/s (1.2% utilization)
95th percentile per-packet one-way delay: 52.028 ms
Loss rate: 47.44%
-- Flow 1:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 52.028 ms
Loss rate: 47.44%
```

Run 2: Report of FillP-Sheep — Data Link



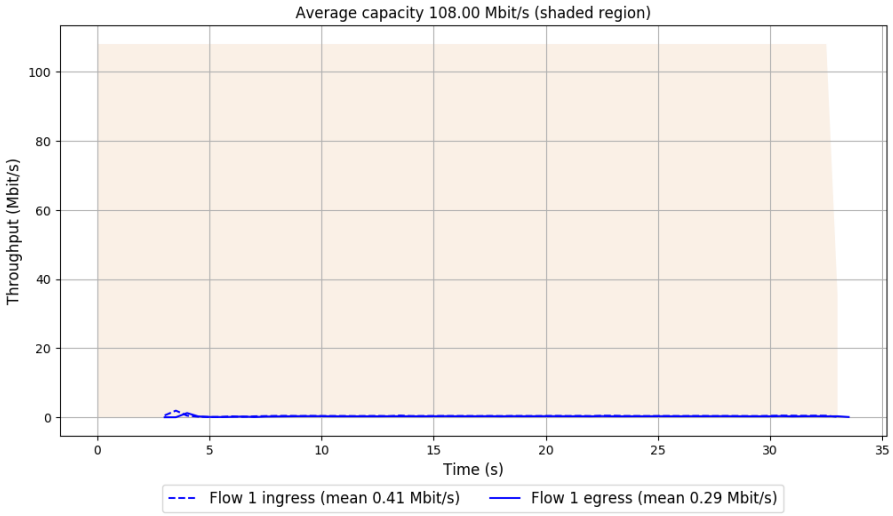


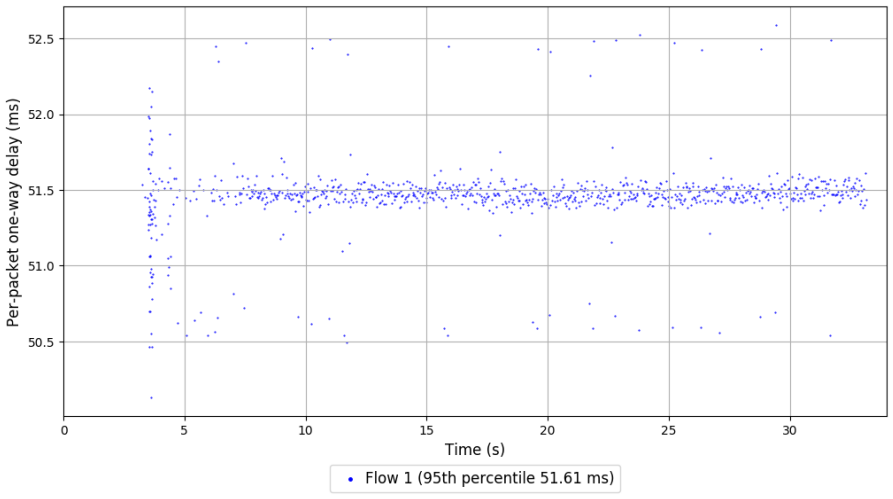
```
Run 3: Statistics of FillP-Sheep

Start at: 2020-04-16 08:52:15
End at: 2020-04-16 08:52:45

# Below is generated by plot.py at 2020-04-16 08:56:04
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.29 Mbit/s (0.3% utilization)
95th percentile per-packet one-way delay: 51.610 ms
Loss rate: 27.80%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 51.610 ms
Loss rate: 27.80%
```

Run 3: Report of FillP-Sheep — Data Link



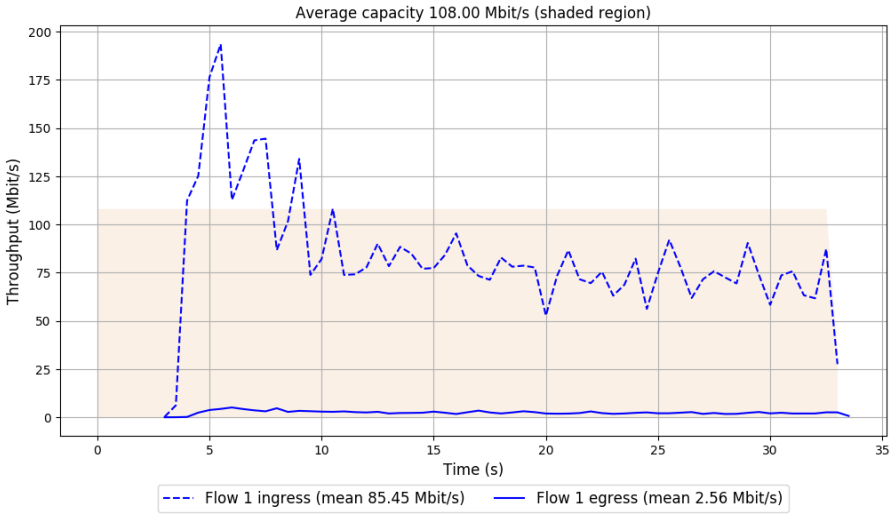


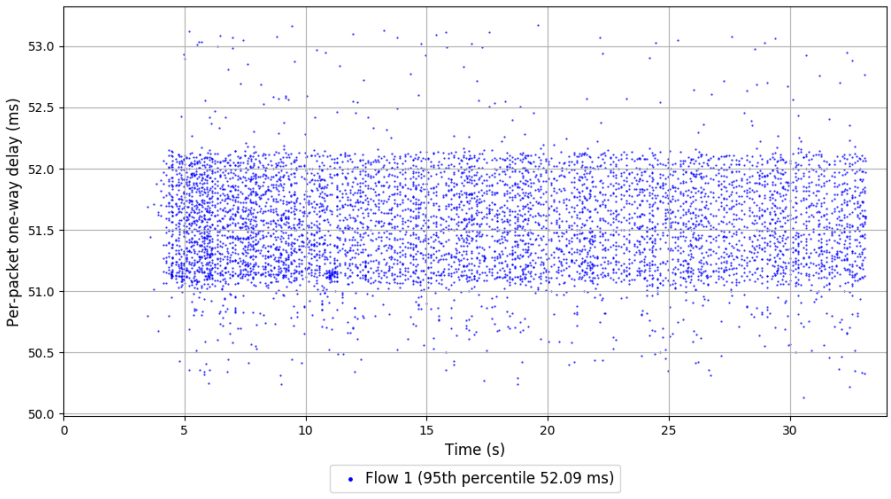
```
Run 1: Statistics of Indigo

Start at: 2020-04-16 08:12:31
End at: 2020-04-16 08:13:01

# Below is generated by plot.py at 2020-04-16 08:56:22
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 2.56 Mbit/s (2.4% utilization)
95th percentile per-packet one-way delay: 52.095 ms
Loss rate: 97.02%
-- Flow 1:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 52.095 ms
Loss rate: 97.02%
```

Run 1: Report of Indigo — Data Link



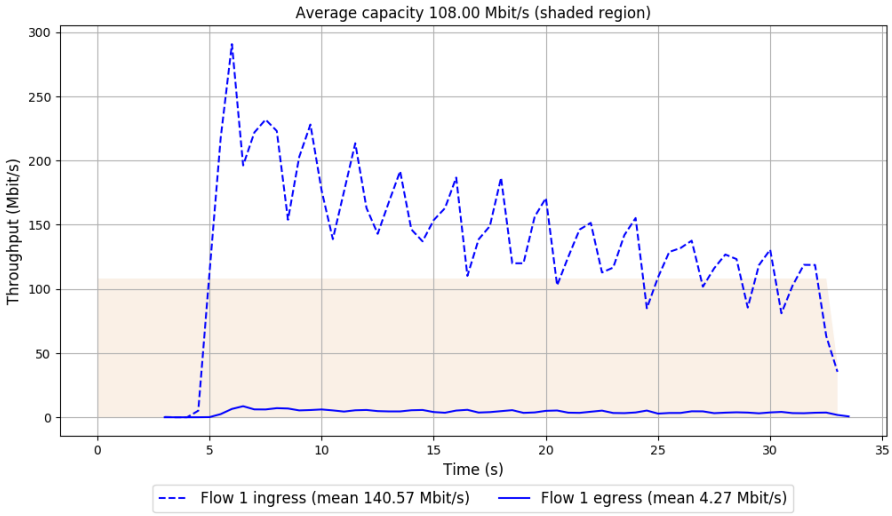


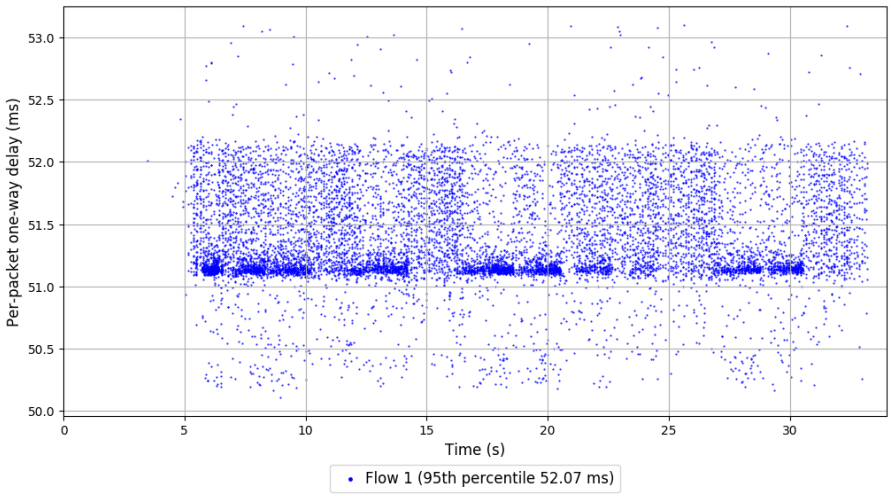
```
Run 2: Statistics of Indigo

Start at: 2020-04-16 08:27:08
End at: 2020-04-16 08:27:39

# Below is generated by plot.py at 2020-04-16 08:57:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 4.27 Mbit/s (4.0% utilization)
95th percentile per-packet one-way delay: 52.069 ms
Loss rate: 96.97%
-- Flow 1:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 52.069 ms
Loss rate: 96.97%
```

Run 2: Report of Indigo — Data Link



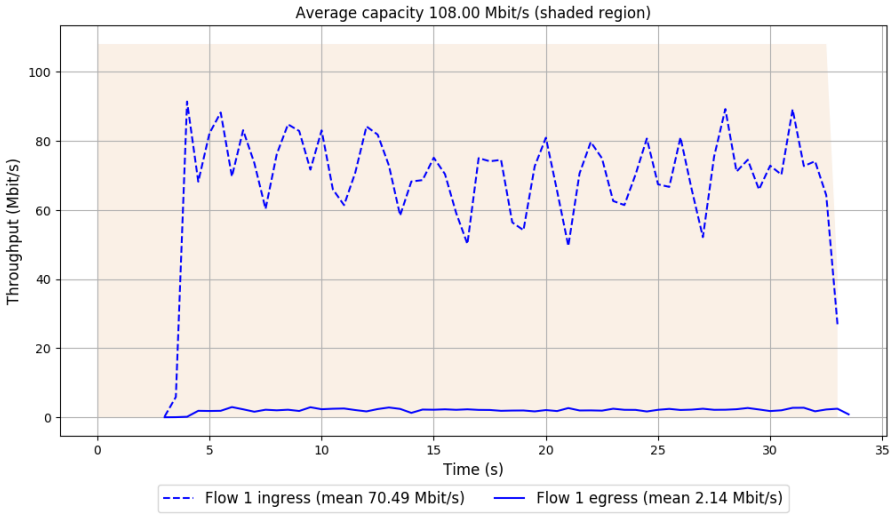


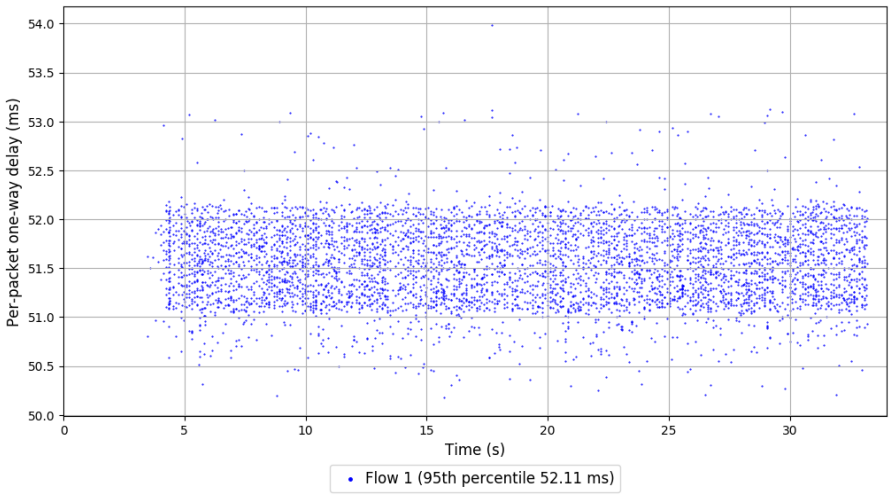
```
Run 3: Statistics of Indigo

Start at: 2020-04-16 08:41:50
End at: 2020-04-16 08:42:20

# Below is generated by plot.py at 2020-04-16 08:57:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 2.14 Mbit/s (2.0% utilization)
95th percentile per-packet one-way delay: 52.108 ms
Loss rate: 96.97%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 52.108 ms
Loss rate: 96.97%
```

Run 3: Report of Indigo — Data Link



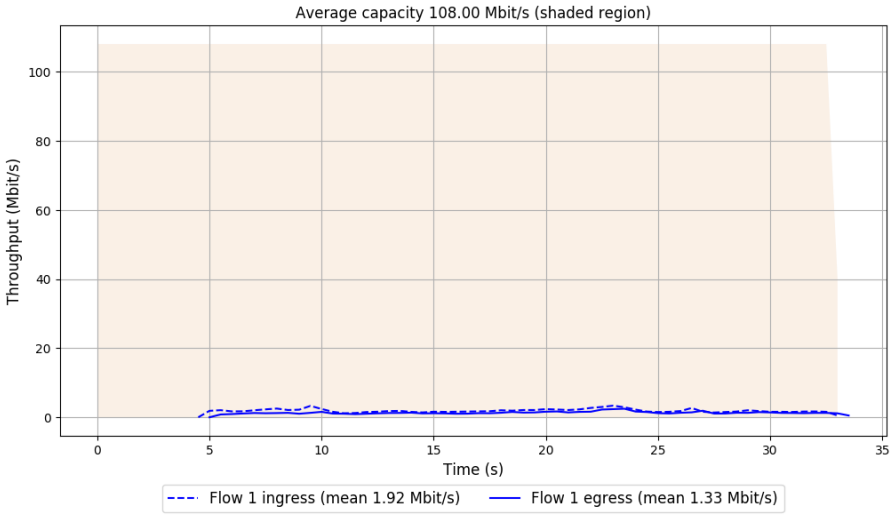


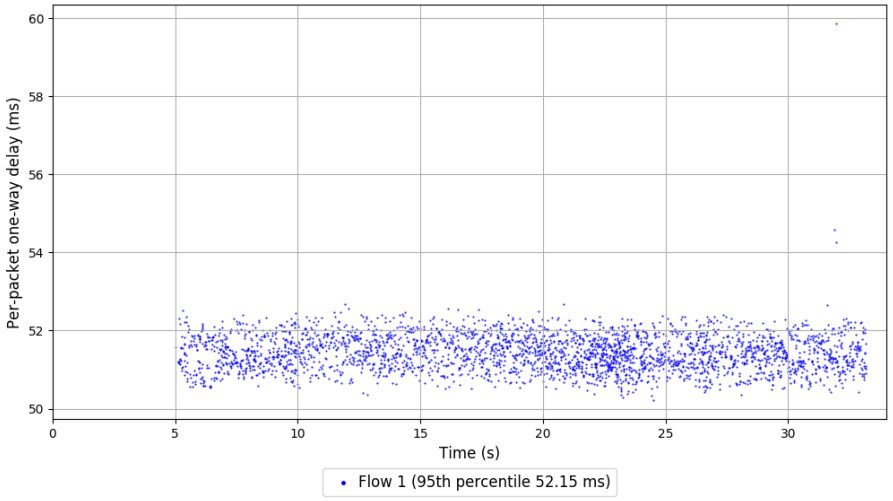
```
Run 1: Statistics of Indigo-MusesC3

Start at: 2020-04-16 08:21:42
End at: 2020-04-16 08:22:12

# Below is generated by plot.py at 2020-04-16 08:57:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.33 Mbit/s (1.2% utilization)
95th percentile per-packet one-way delay: 52.151 ms
Loss rate: 31.20%
-- Flow 1:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 52.151 ms
Loss rate: 31.20%
```

Run 1: Report of Indigo-MusesC3 — Data Link



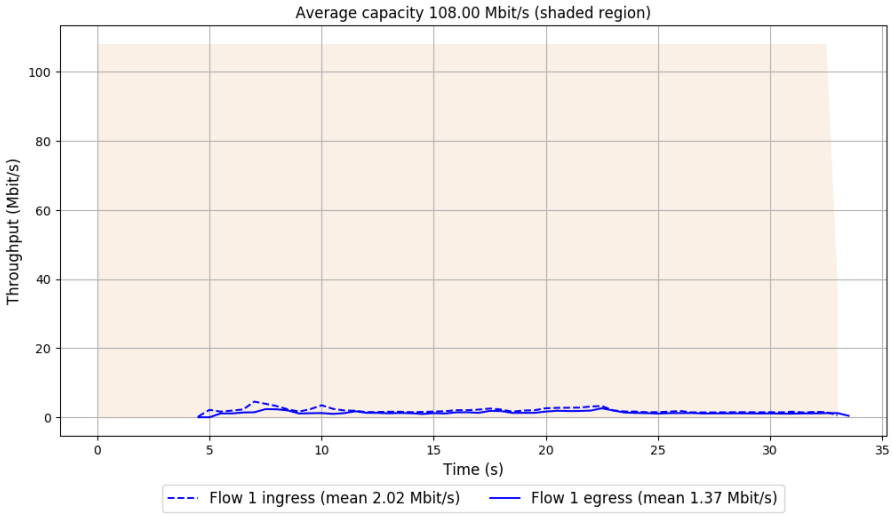


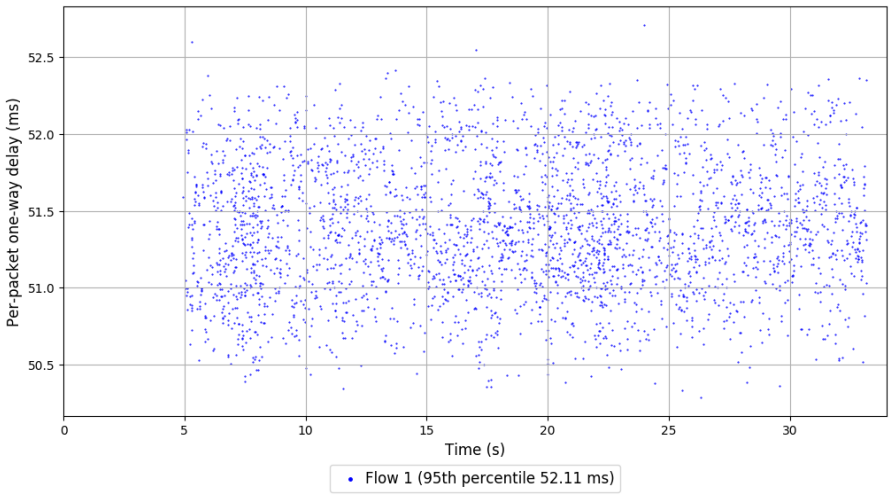
```
Run 2: Statistics of Indigo-MusesC3

Start at: 2020-04-16 08:36:24
End at: 2020-04-16 08:36:54

# Below is generated by plot.py at 2020-04-16 08:57:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.37 Mbit/s (1.3% utilization)
95th percentile per-packet one-way delay: 52.106 ms
Loss rate: 32.22%
-- Flow 1:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 52.106 ms
Loss rate: 32.22%
```

Run 2: Report of Indigo-MusesC3 — Data Link



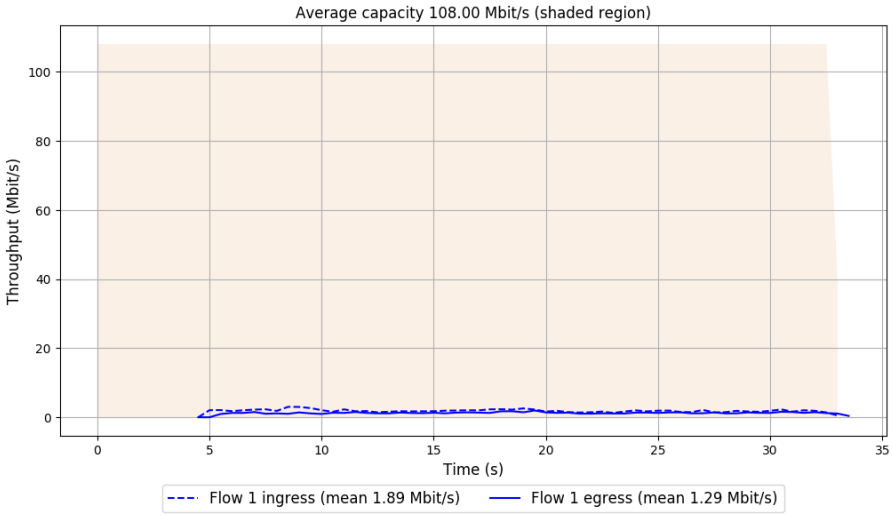


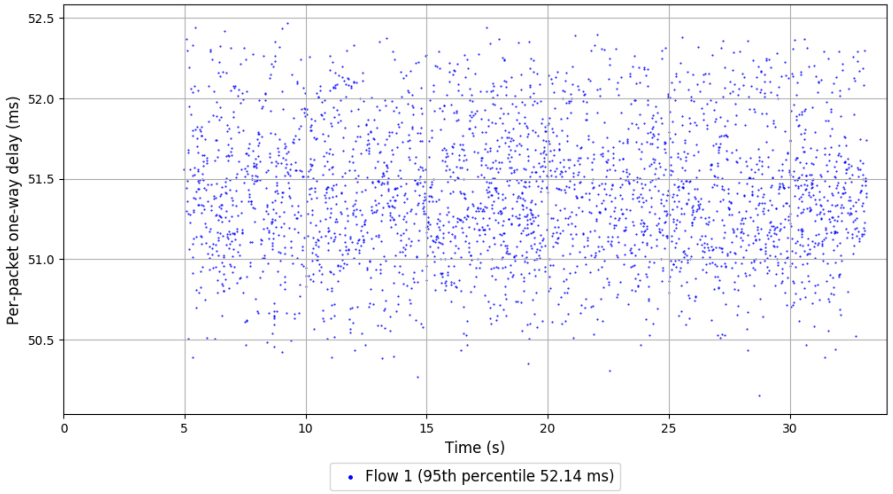
```
Run 3: Statistics of Indigo-MusesC3

Start at: 2020-04-16 08:51:03
End at: 2020-04-16 08:51:33

# Below is generated by plot.py at 2020-04-16 08:57:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.29 Mbit/s (1.2% utilization)
95th percentile per-packet one-way delay: 52.138 ms
Loss rate: 32.07%
-- Flow 1:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 52.138 ms
Loss rate: 32.07%
```

Run 3: Report of Indigo-MusesC3 — Data Link



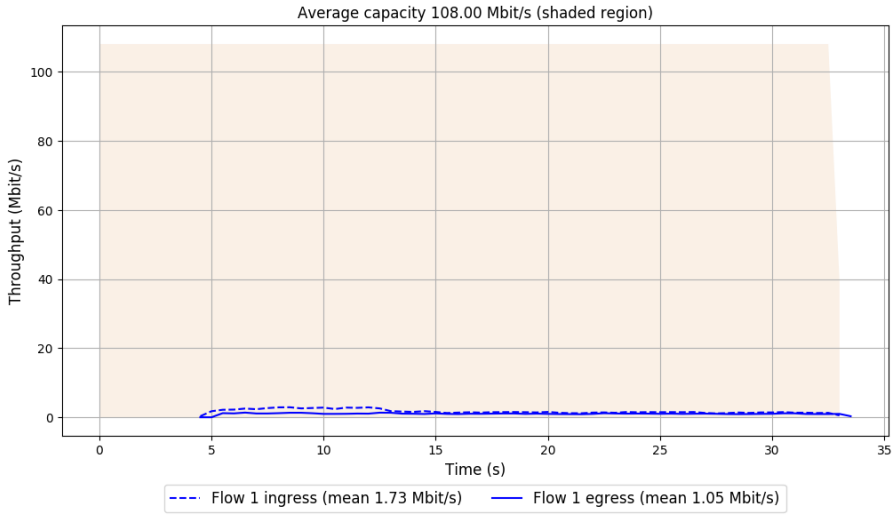


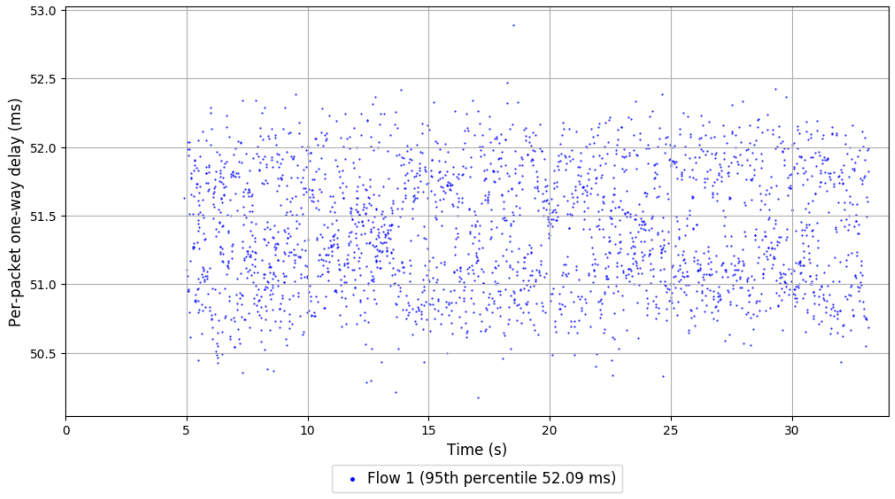
```
Run 1: Statistics of Indigo-MusesC5

Start at: 2020-04-16 08:13:09
End at: 2020-04-16 08:13:39

# Below is generated by plot.py at 2020-04-16 08:57:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.05 Mbit/s (1.0% utilization)
95th percentile per-packet one-way delay: 52.091 ms
Loss rate: 39.52%
-- Flow 1:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 52.091 ms
Loss rate: 39.52%
```

Run 1: Report of Indigo-MusesC5 — Data Link



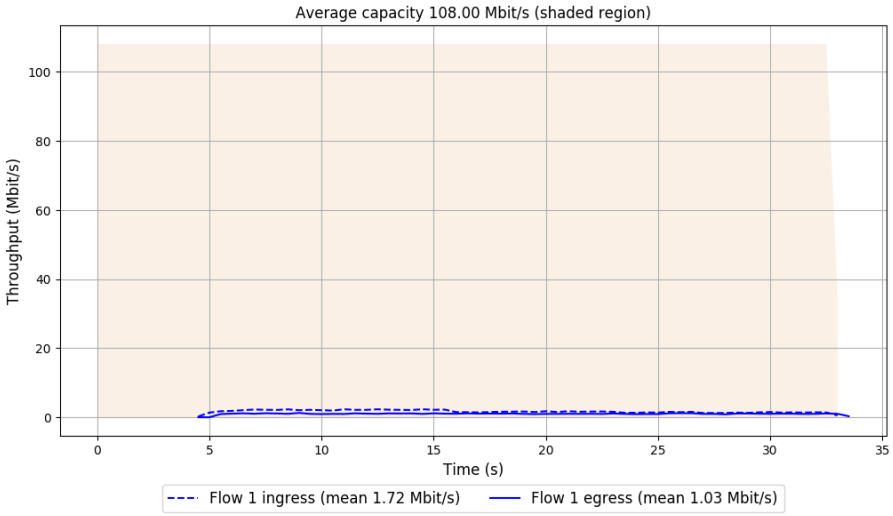


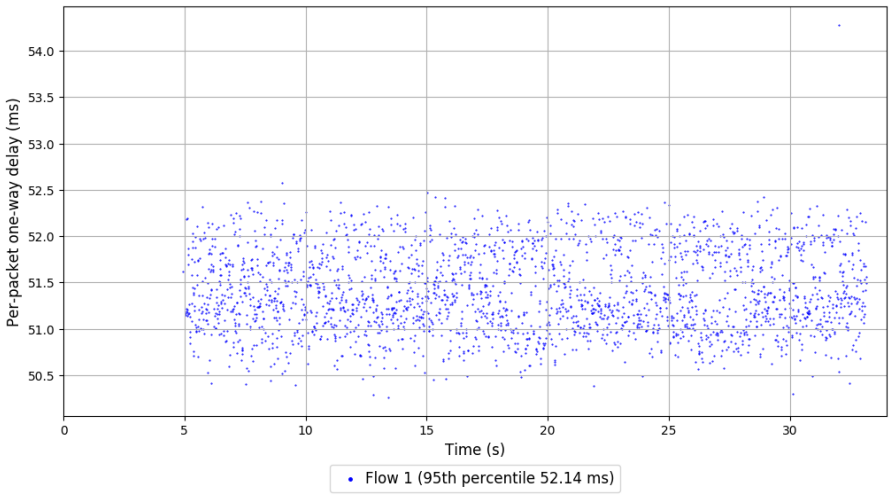
```
Run 2: Statistics of Indigo-MusesC5

Start at: 2020-04-16 08:27:47
End at: 2020-04-16 08:28:17

# Below is generated by plot.py at 2020-04-16 08:57:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.03 Mbit/s (1.0% utilization)
95th percentile per-packet one-way delay: 52.139 ms
Loss rate: 39.91%
-- Flow 1:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 52.139 ms
Loss rate: 39.91%
```

Run 2: Report of Indigo-MusesC5 — Data Link



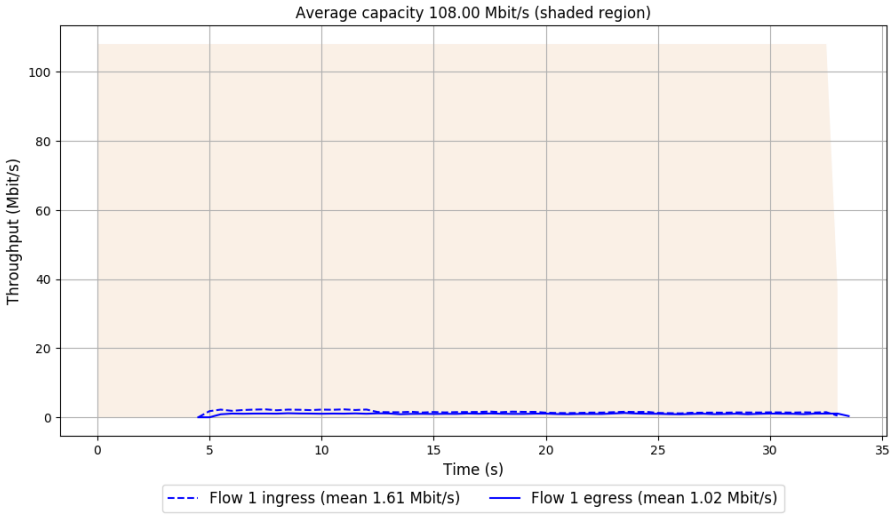


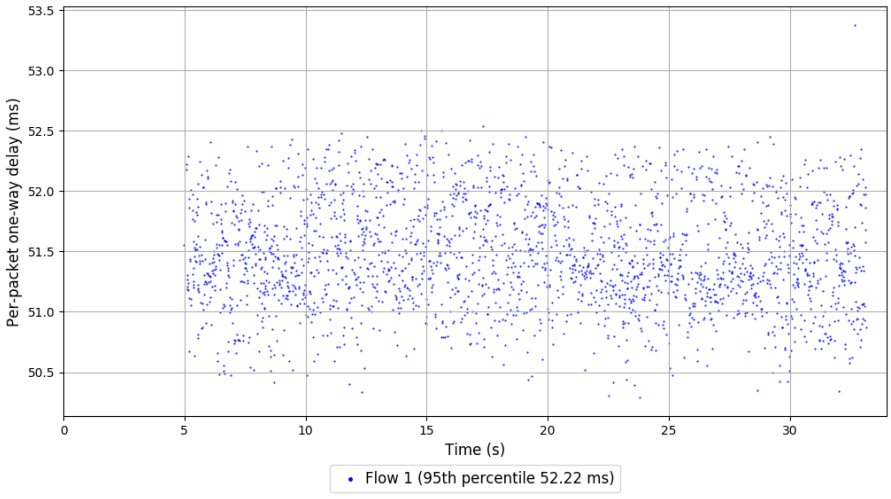
```
Run 3: Statistics of Indigo-MusesC5

Start at: 2020-04-16 08:42:28
End at: 2020-04-16 08:42:58

# Below is generated by plot.py at 2020-04-16 08:57:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.02 Mbit/s (0.9% utilization)
95th percentile per-packet one-way delay: 52.215 ms
Loss rate: 36.64%
-- Flow 1:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 52.215 ms
Loss rate: 36.64%
```

Run 3: Report of Indigo-MusesC5 — Data Link



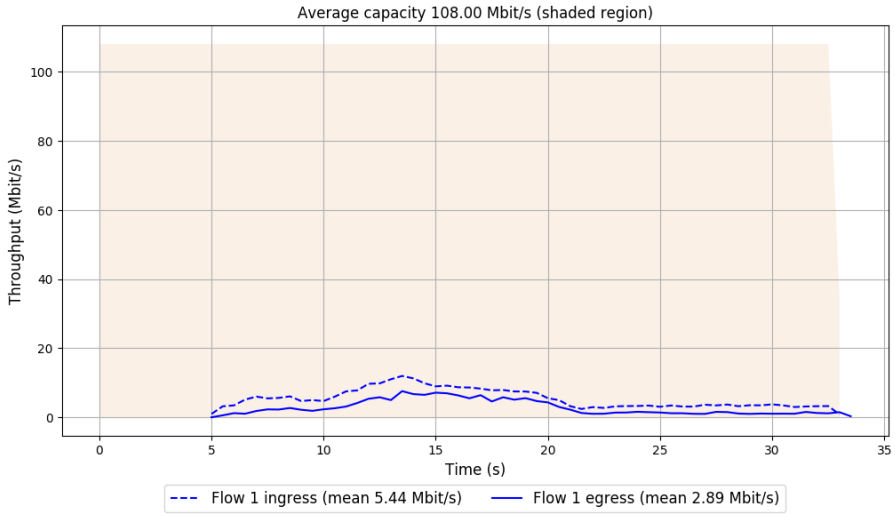


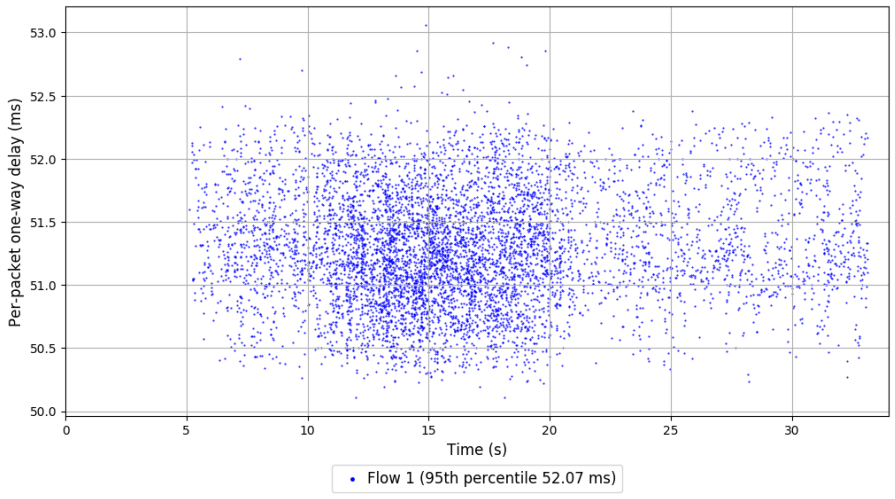
```
Run 1: Statistics of Indigo-MusesD

Start at: 2020-04-16 08:11:55
End at: 2020-04-16 08:12:25

# Below is generated by plot.py at 2020-04-16 08:57:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 2.89 Mbit/s (2.7% utilization)
95th percentile per-packet one-way delay: 52.067 ms
Loss rate: 46.89%
-- Flow 1:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 52.067 ms
Loss rate: 46.89%
```

Run 1: Report of Indigo-MusesD — Data Link



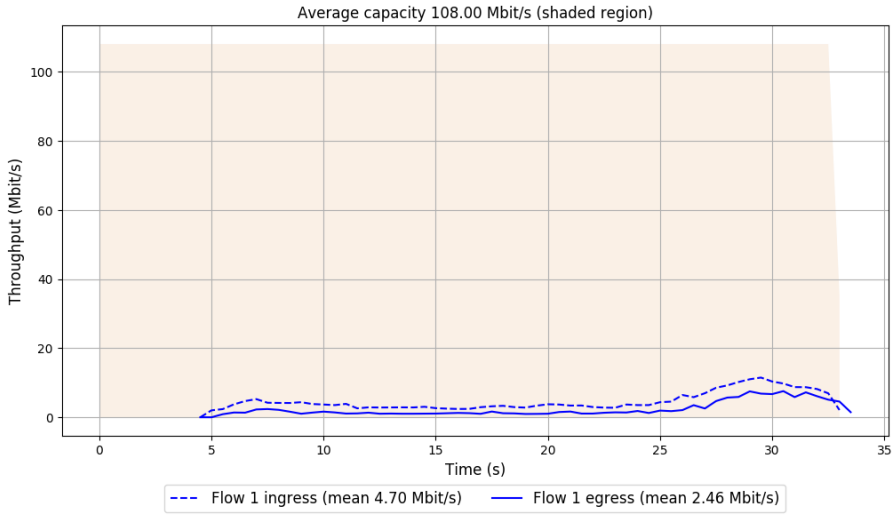


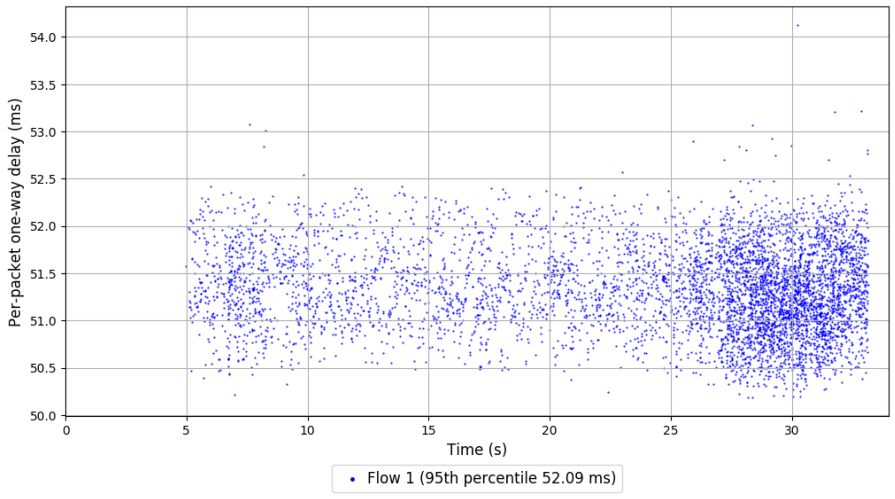
```
Run 2: Statistics of Indigo-MusesD

Start at: 2020-04-16 08:26:32
End at: 2020-04-16 08:27:02

# Below is generated by plot.py at 2020-04-16 08:57:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 2.46 Mbit/s (2.3% utilization)
95th percentile per-packet one-way delay: 52.086 ms
Loss rate: 47.85%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 52.086 ms
Loss rate: 47.85%
```

Run 2: Report of Indigo-MusesD — Data Link



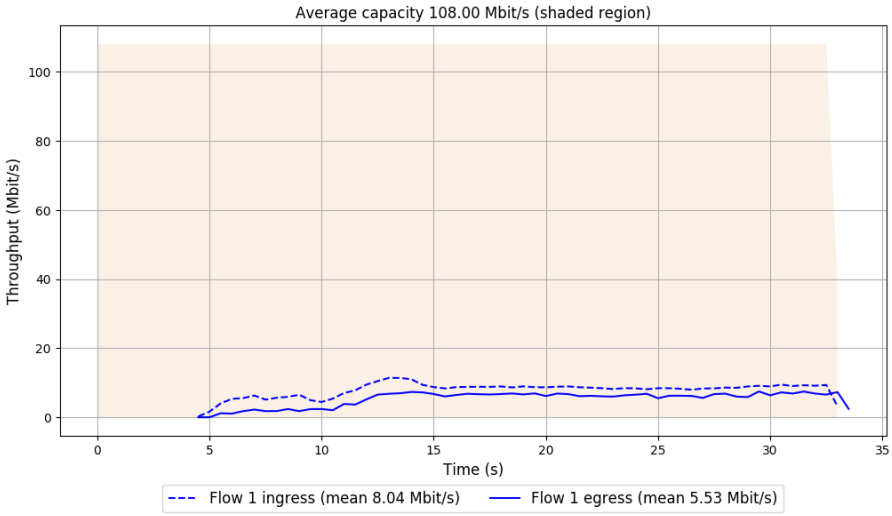


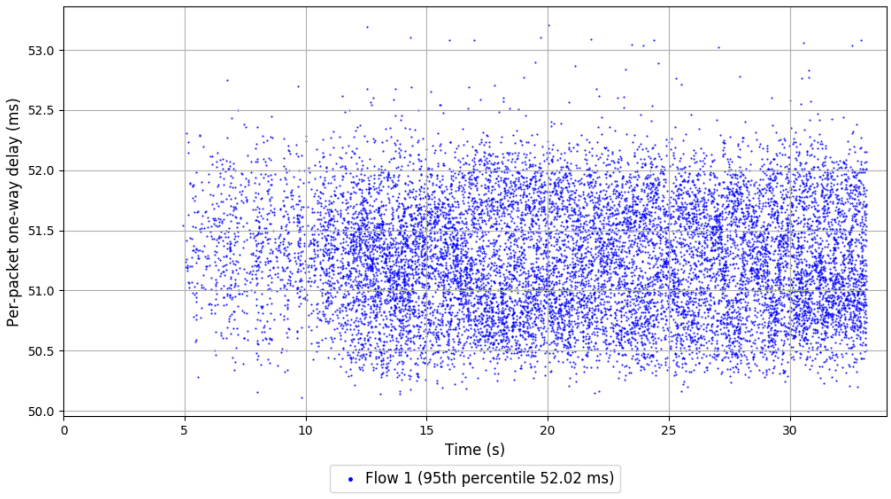
```
Run 3: Statistics of Indigo-MusesD

Start at: 2020-04-16 08:41:14
End at: 2020-04-16 08:41:44

# Below is generated by plot.py at 2020-04-16 08:57:13
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 5.53 Mbit/s (5.1% utilization)
95th percentile per-packet one-way delay: 52.025 ms
Loss rate: 31.37%
-- Flow 1:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 52.025 ms
Loss rate: 31.37%
```

Run 3: Report of Indigo-MusesD — Data Link



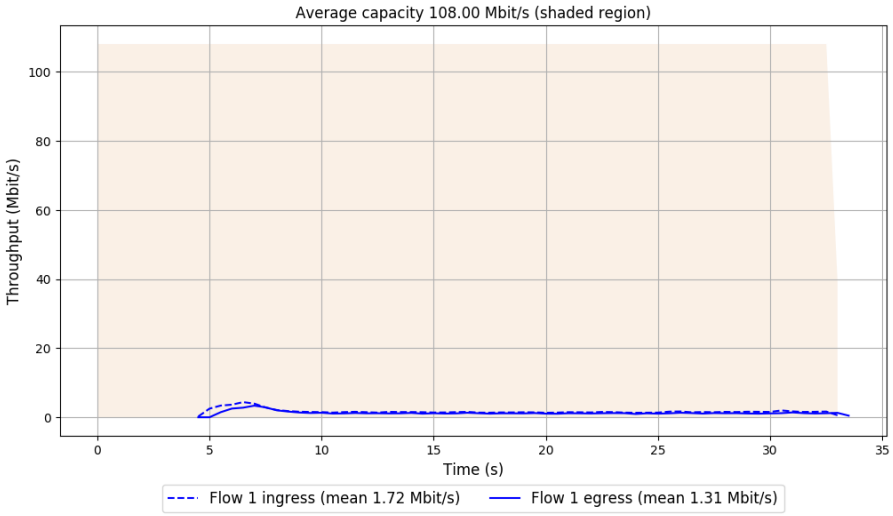


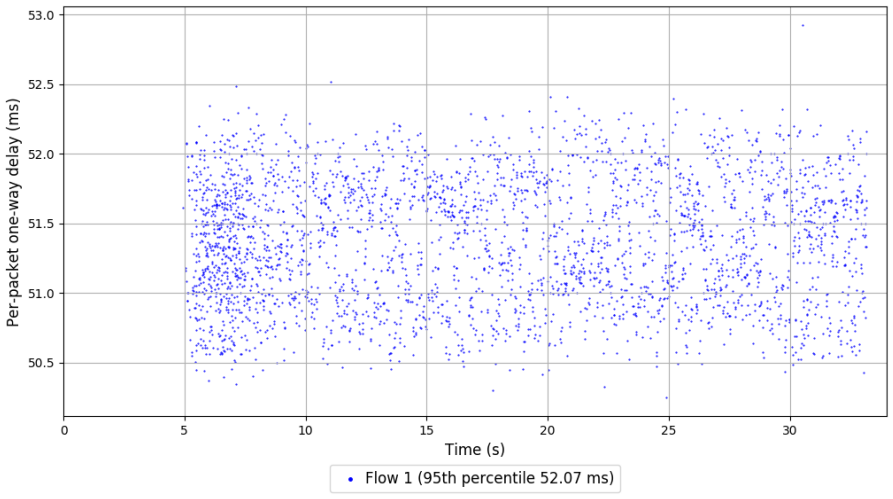
```
Run 1: Statistics of Indigo-MusesT

Start at: 2020-04-16 08:15:35
End at: 2020-04-16 08:16:05

# Below is generated by plot.py at 2020-04-16 08:57:13
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.31 Mbit/s (1.2% utilization)
95th percentile per-packet one-way delay: 52.073 ms
Loss rate: 23.69%
-- Flow 1:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 52.073 ms
Loss rate: 23.69%
```

Run 1: Report of Indigo-MusesT — Data Link



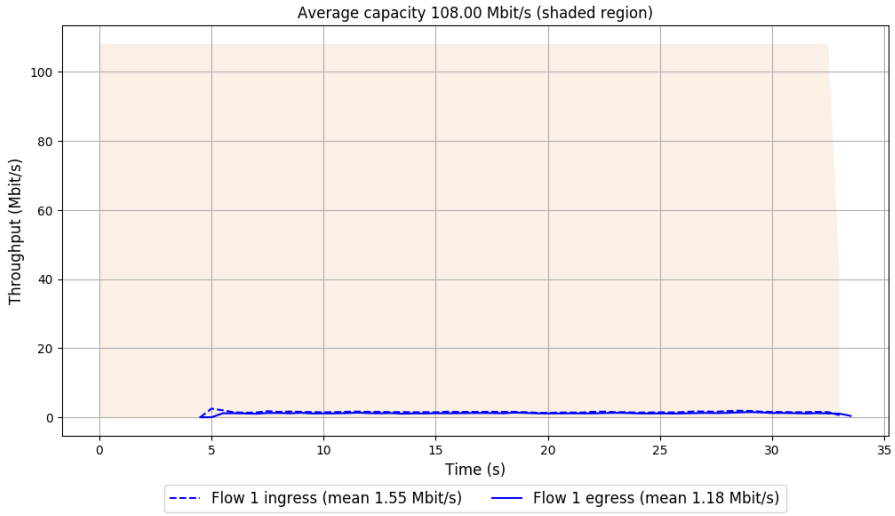


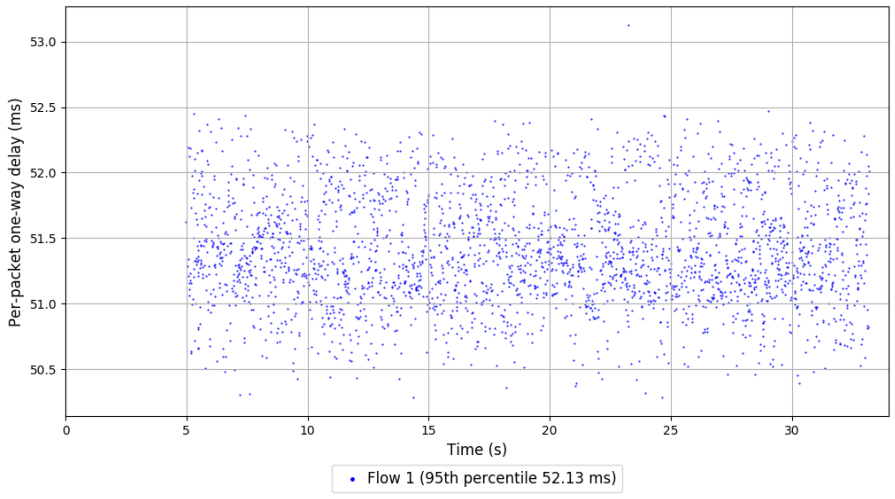
```
Run 2: Statistics of Indigo-MusesT

Start at: 2020-04-16 08:30:12
End at: 2020-04-16 08:30:42

# Below is generated by plot.py at 2020-04-16 08:57:13
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.18 Mbit/s (1.1% utilization)
95th percentile per-packet one-way delay: 52.131 ms
Loss rate: 24.16%
-- Flow 1:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 52.131 ms
Loss rate: 24.16%
```

Run 2: Report of Indigo-MusesT — Data Link



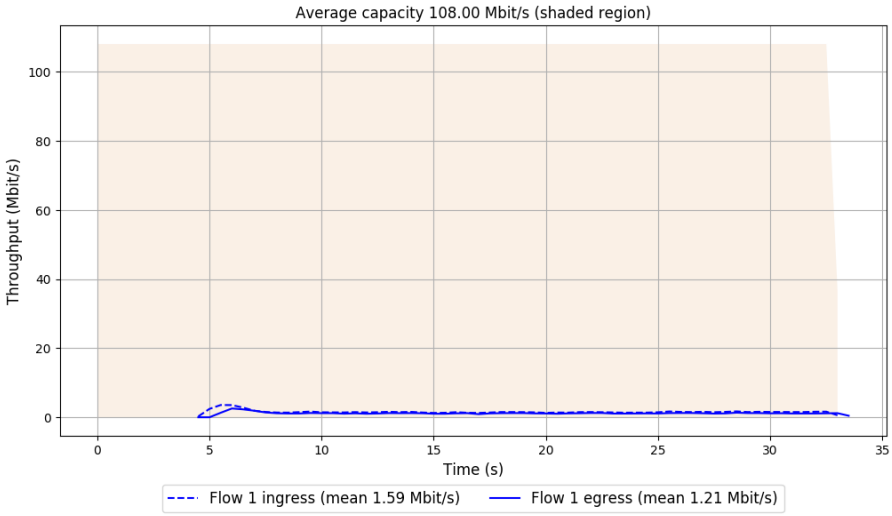


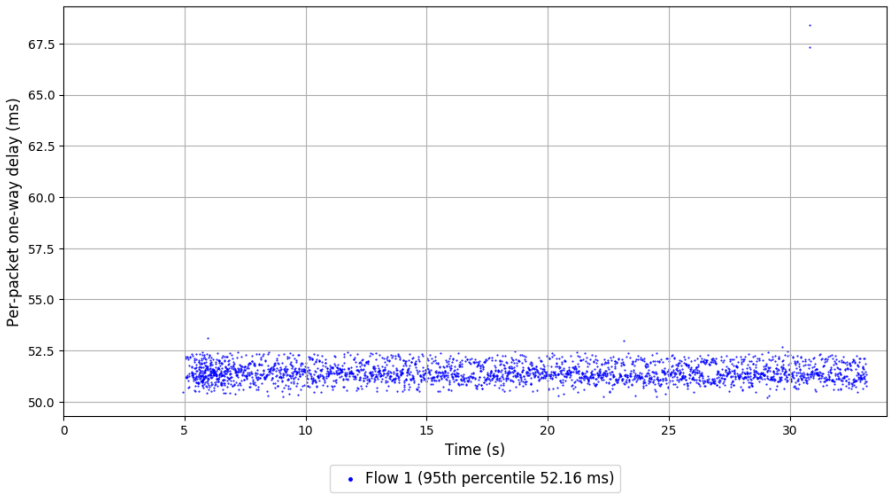
```
Run 3: Statistics of Indigo-MusesT

Start at: 2020-04-16 08:44:53
End at: 2020-04-16 08:45:23

# Below is generated by plot.py at 2020-04-16 08:57:23
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 1.21 Mbit/s (1.1% utilization)
95th percentile per-packet one-way delay: 52.164 ms
Loss rate: 24.20%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 52.164 ms
Loss rate: 24.20%
```

Run 3: Report of Indigo-MusesT — Data Link



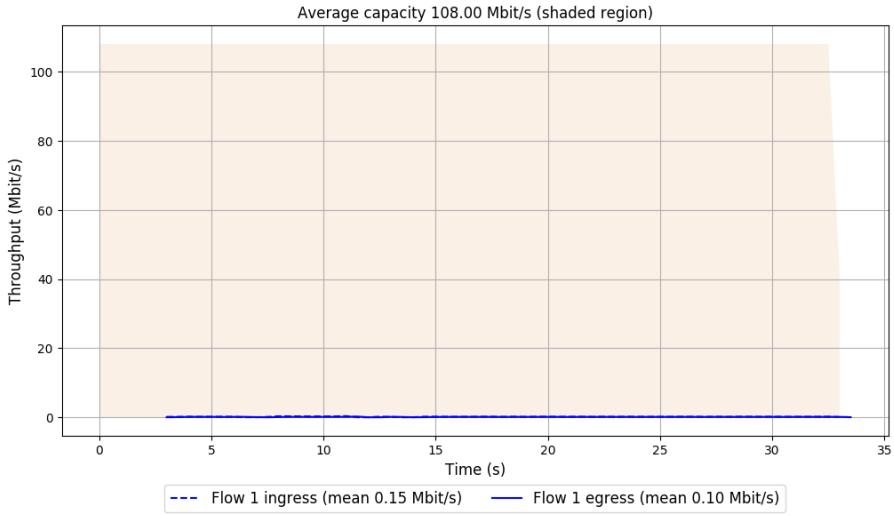


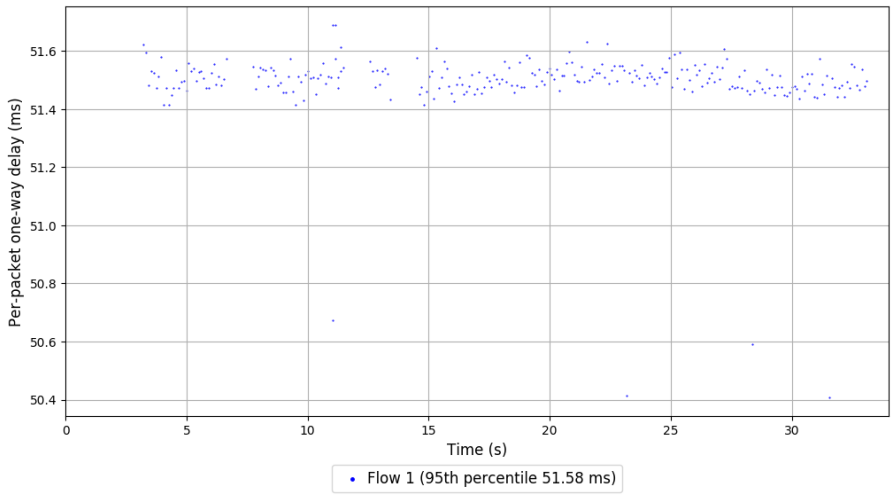
```
Run 1: Statistics of LEDBAT

Start at: 2020-04-16 08:20:30
End at: 2020-04-16 08:21:00

# Below is generated by plot.py at 2020-04-16 08:57:28
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.10 Mbit/s (0.1% utilization)
95th percentile per-packet one-way delay: 51.580 ms
Loss rate: 32.30%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 51.580 ms
Loss rate: 32.30%
```

Run 1: Report of LEDBAT — Data Link



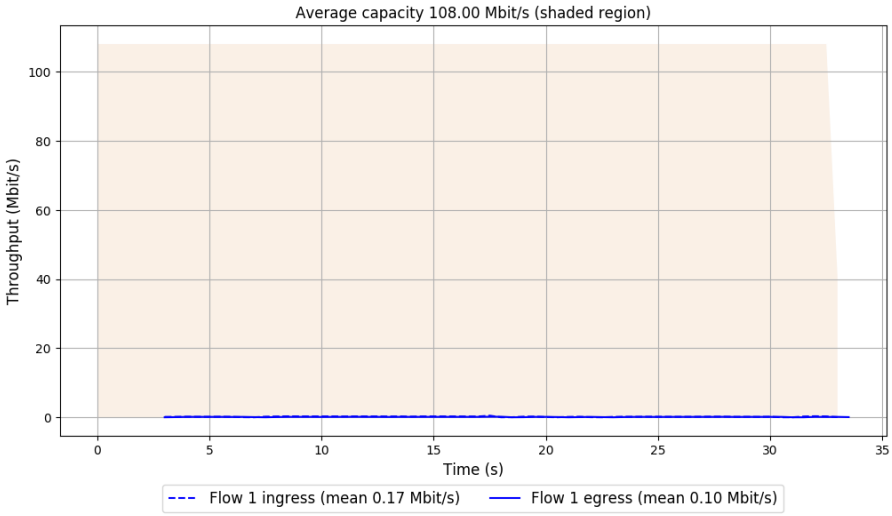


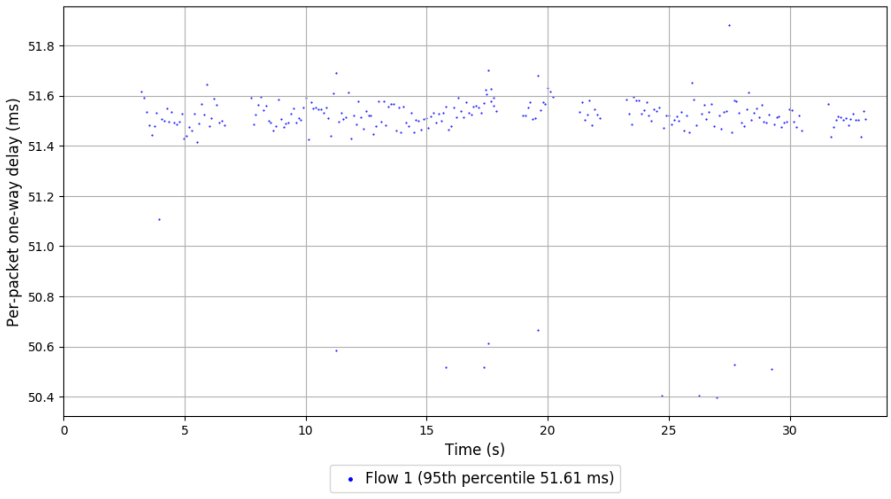
```
Run 2: Statistics of LEDBAT

Start at: 2020-04-16 08:35:11
End at: 2020-04-16 08:35:41

# Below is generated by plot.py at 2020-04-16 08:57:39
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.10 Mbit/s (0.1% utilization)
95th percentile per-packet one-way delay: 51.611 ms
Loss rate: 43.18%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 51.611 ms
Loss rate: 43.18%
```

Run 2: Report of LEDBAT — Data Link



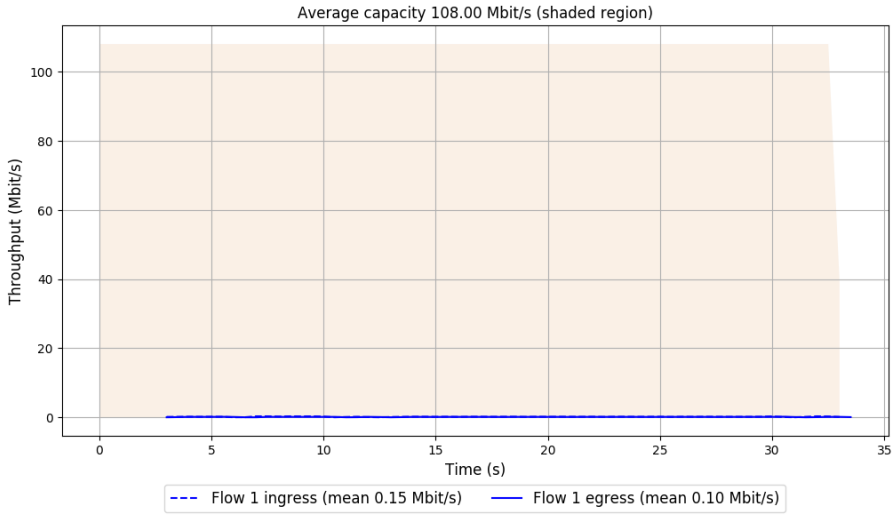


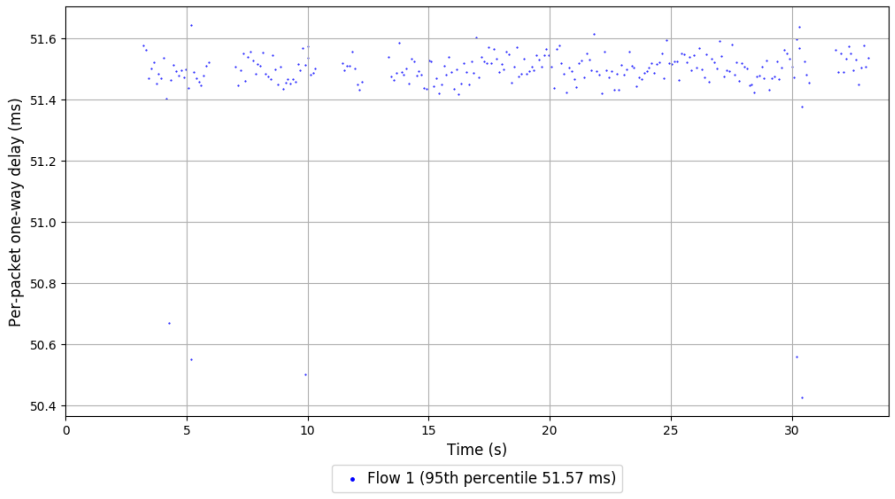
```
Run 3: Statistics of LEDBAT

Start at: 2020-04-16 08:49:50
End at: 2020-04-16 08:50:20

# Below is generated by plot.py at 2020-04-16 08:57:41
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.10 Mbit/s (0.1% utilization)
95th percentile per-packet one-way delay: 51.573 ms
Loss rate: 34.27%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 51.573 ms
Loss rate: 34.27%
```

Run 3: Report of LEDBAT — Data Link



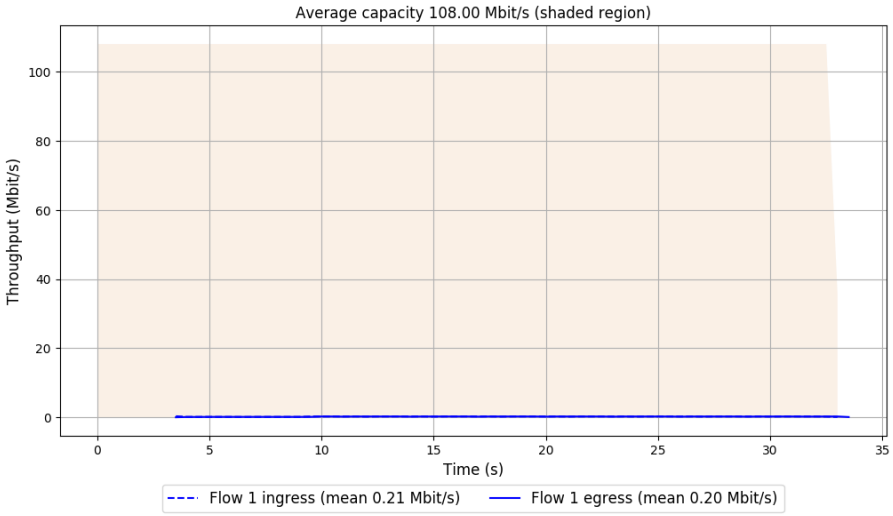


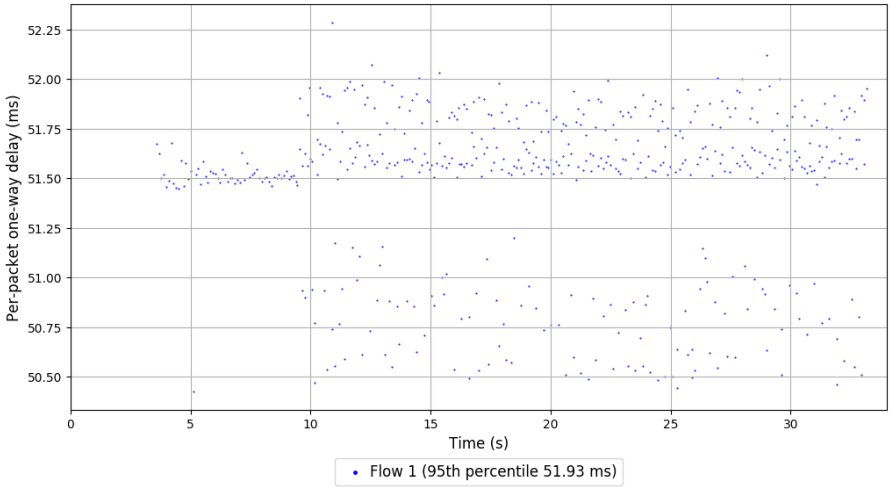
```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2020-04-16 08:18:05
End at: 2020-04-16 08:18:35

# Below is generated by plot.py at 2020-04-16 08:57:42
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.20 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 51.927 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 51.927 ms
Loss rate: 1.90%
```

Run 1: Report of Muses_DecisionTree — Data Link



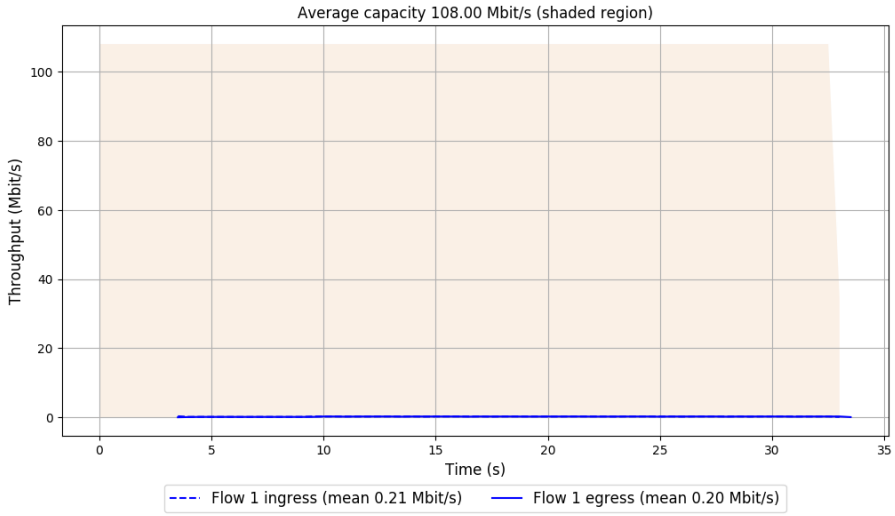


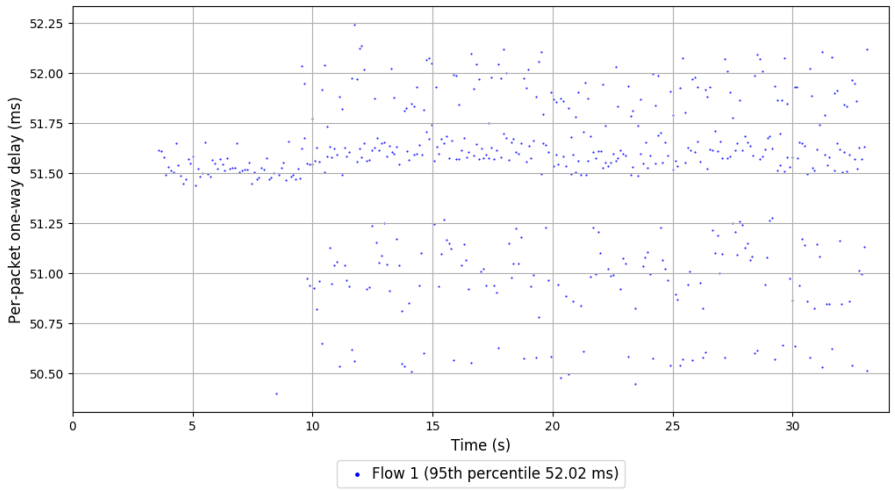
```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2020-04-16 08:32:46
End at: 2020-04-16 08:33:16

# Below is generated by plot.py at 2020-04-16 08:57:42
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.20 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.015 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 52.015 ms
Loss rate: 2.10%
```

Run 2: Report of Muses_DecisionTree — Data Link



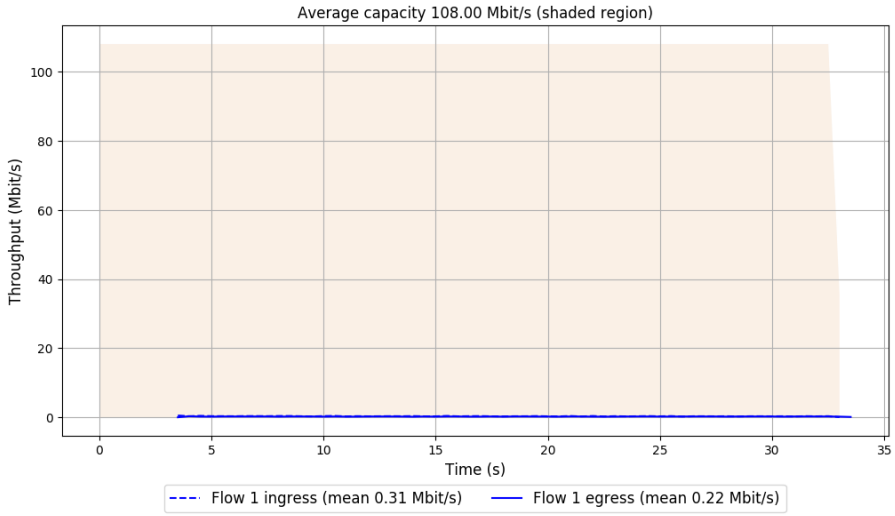


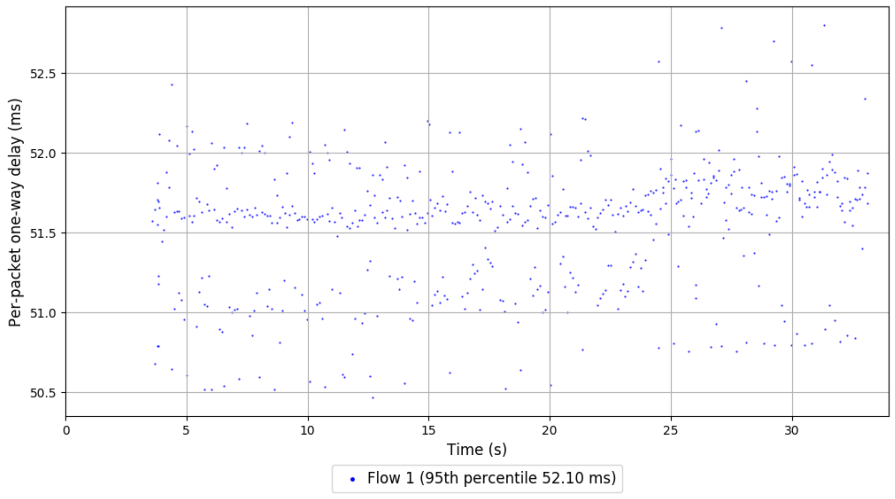
```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2020-04-16 08:47:25
End at: 2020-04-16 08:47:55

# Below is generated by plot.py at 2020-04-16 08:57:43
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.22 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.102 ms
Loss rate: 29.80%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.102 ms
Loss rate: 29.80%
```

Run 3: Report of Muses_DecisionTree — Data Link



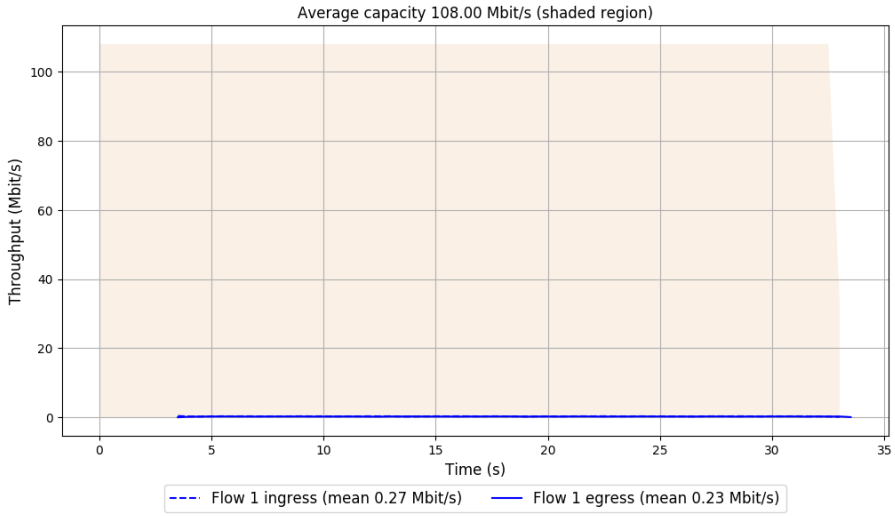


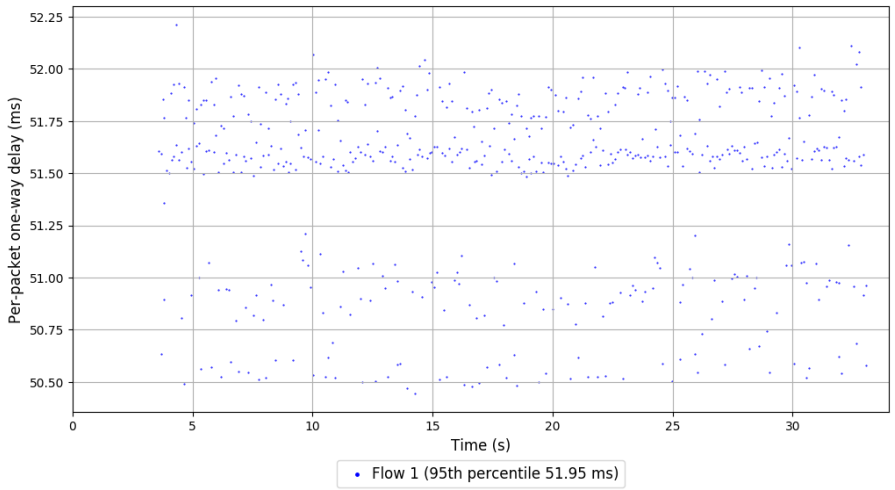
```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2020-04-16 08:14:58
End at: 2020-04-16 08:15:28

# Below is generated by plot.py at 2020-04-16 08:57:45
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.23 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 51.952 ms
Loss rate: 18.27%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 51.952 ms
Loss rate: 18.27%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link



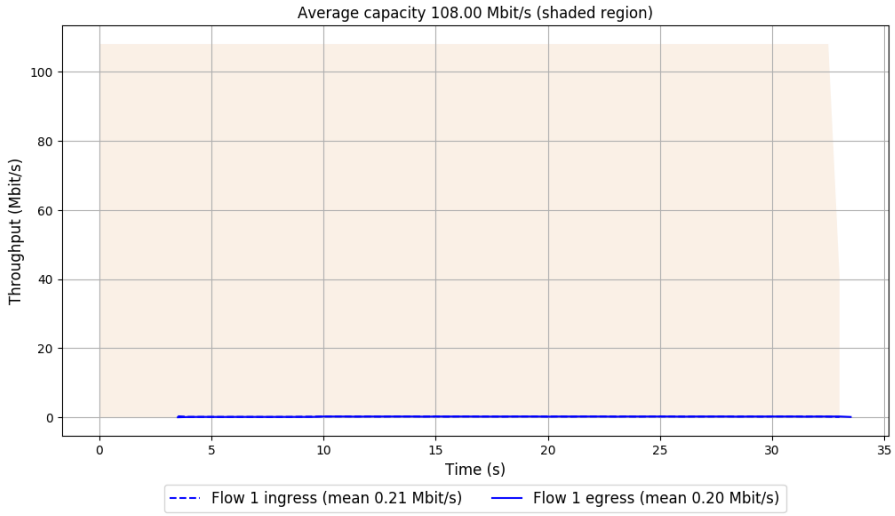


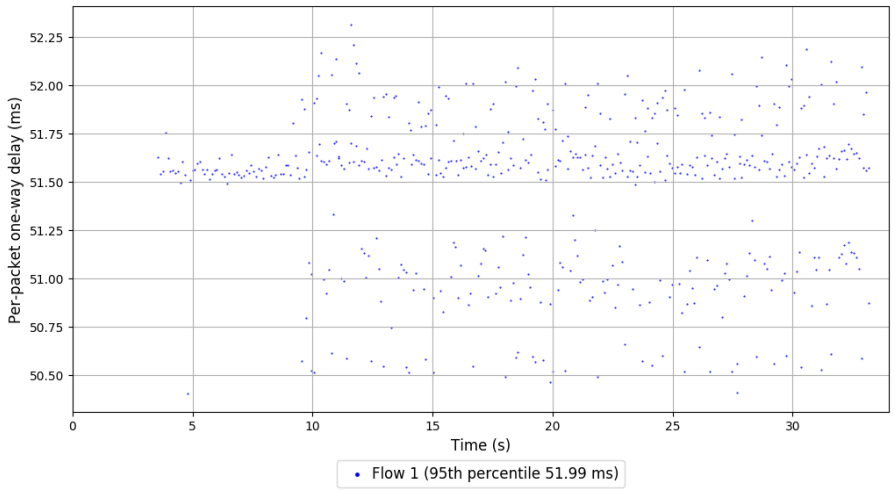
```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2020-04-16 08:29:36
End at: 2020-04-16 08:30:06

# Below is generated by plot.py at 2020-04-16 08:57:55
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.20 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 51.995 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 51.995 ms
Loss rate: 1.71%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link



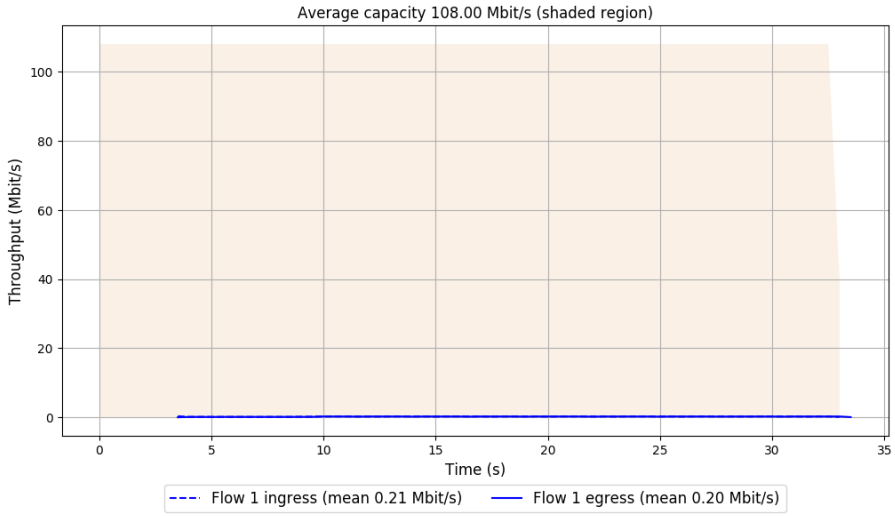


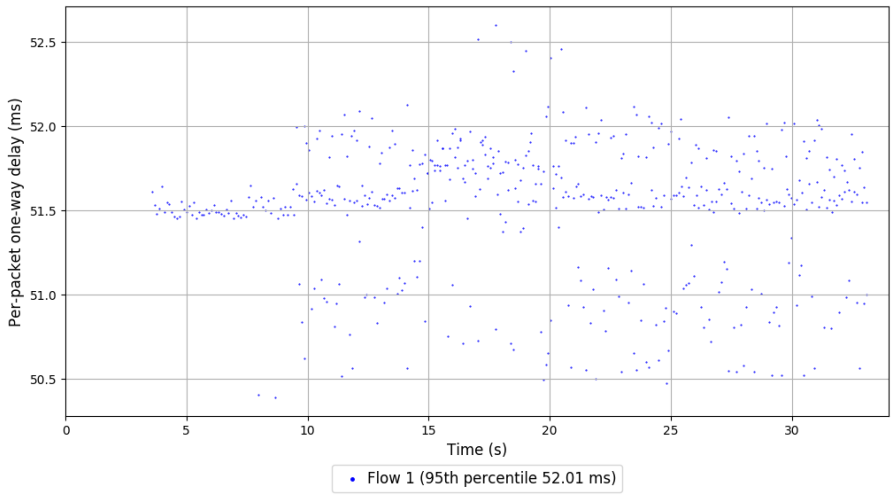
```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2020-04-16 08:44:17
End at: 2020-04-16 08:44:47

# Below is generated by plot.py at 2020-04-16 08:58:00
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.20 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.014 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 52.014 ms
Loss rate: 2.10%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link



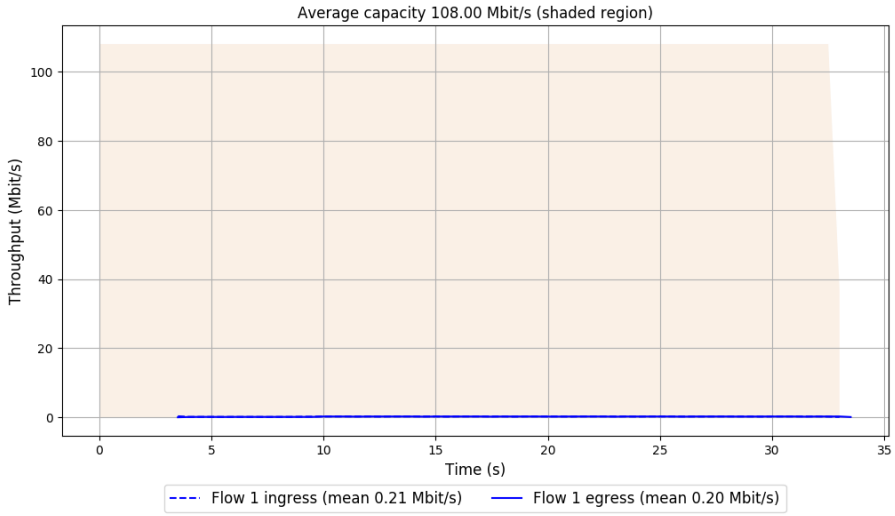


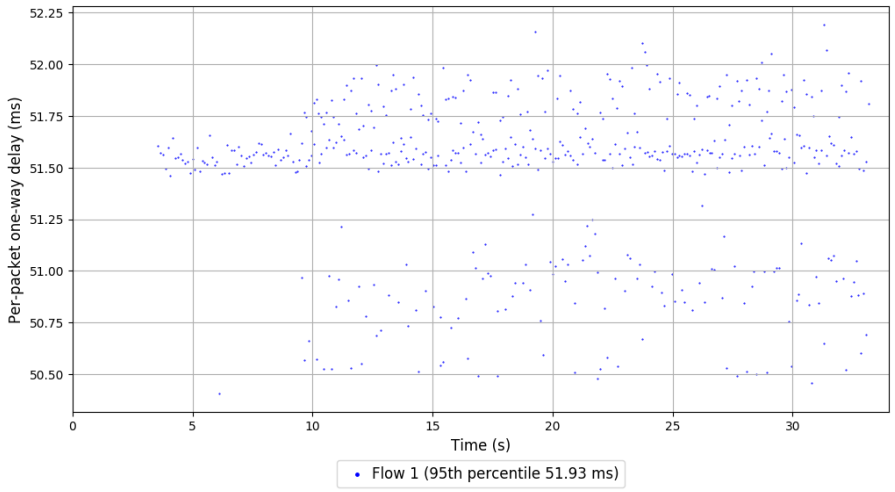
```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2020-04-16 08:16:52
End at: 2020-04-16 08:17:22

# Below is generated by plot.py at 2020-04-16 08:58:11
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.20 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 51.931 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 51.931 ms
Loss rate: 1.90%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



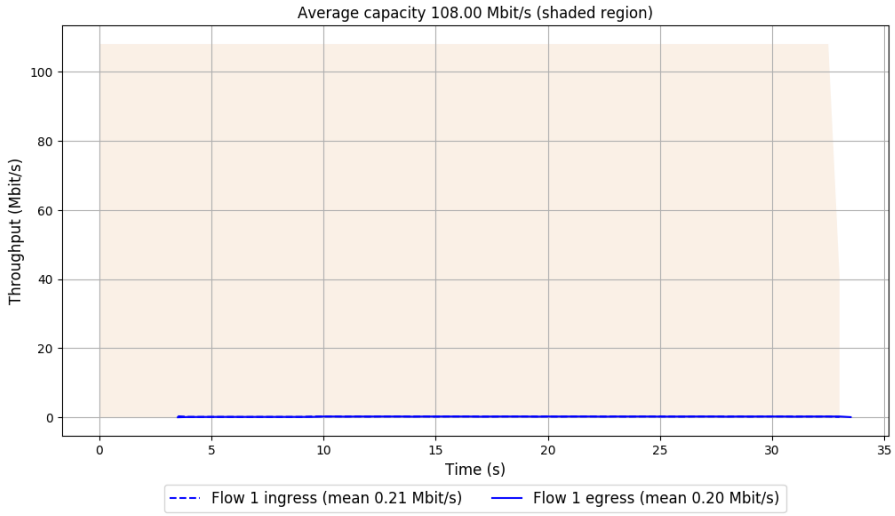


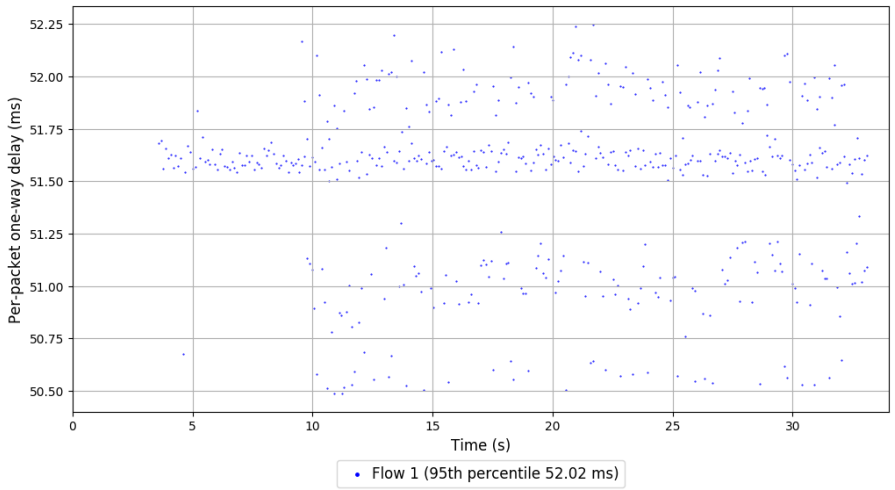
```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2020-04-16 08:31:34
End at: 2020-04-16 08:32:04

# Below is generated by plot.py at 2020-04-16 08:58:13
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.20 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.020 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 52.020 ms
Loss rate: 2.10%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link



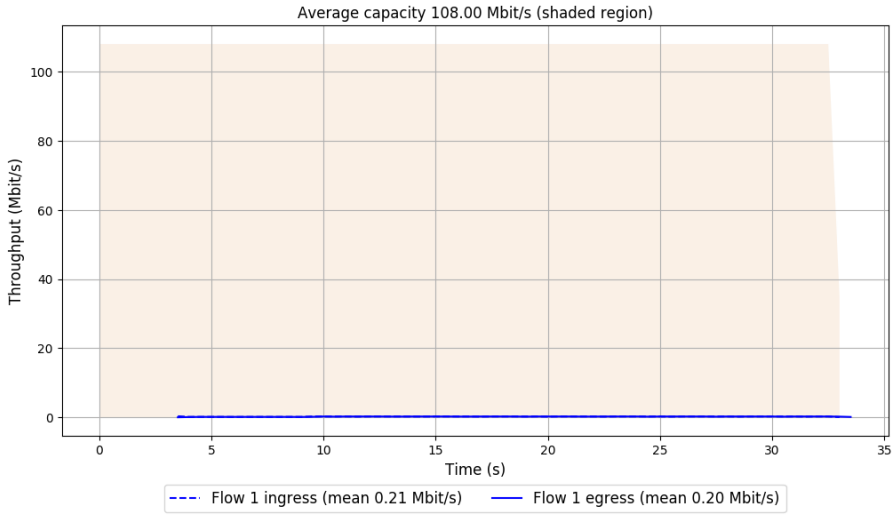


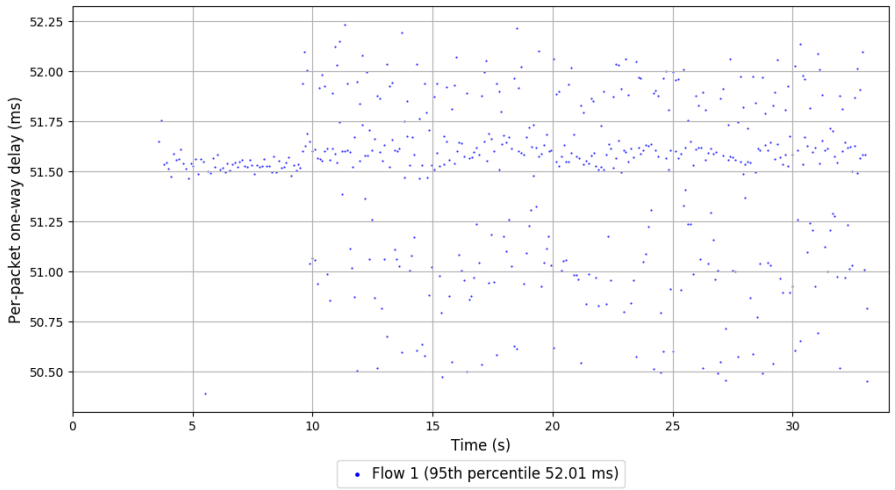
```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2020-04-16 08:46:13
End at: 2020-04-16 08:46:43

# Below is generated by plot.py at 2020-04-16 08:58:14
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.20 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.014 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 52.014 ms
Loss rate: 1.72%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link



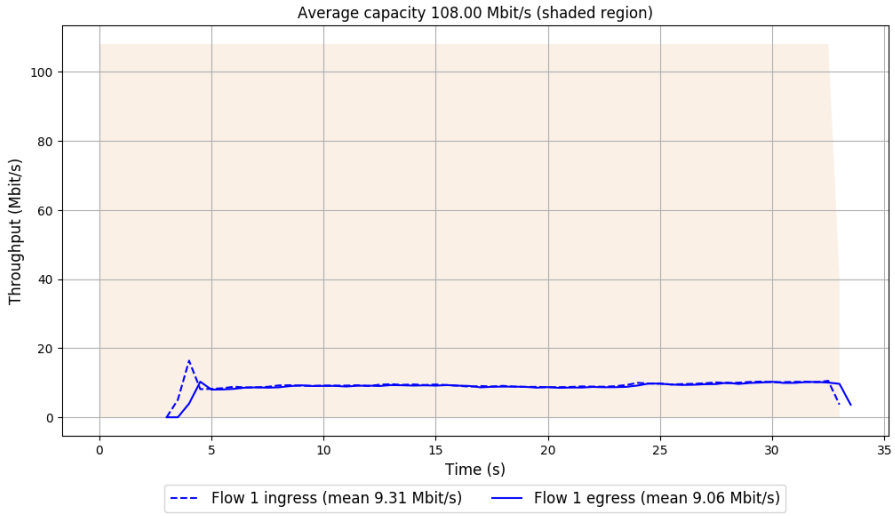


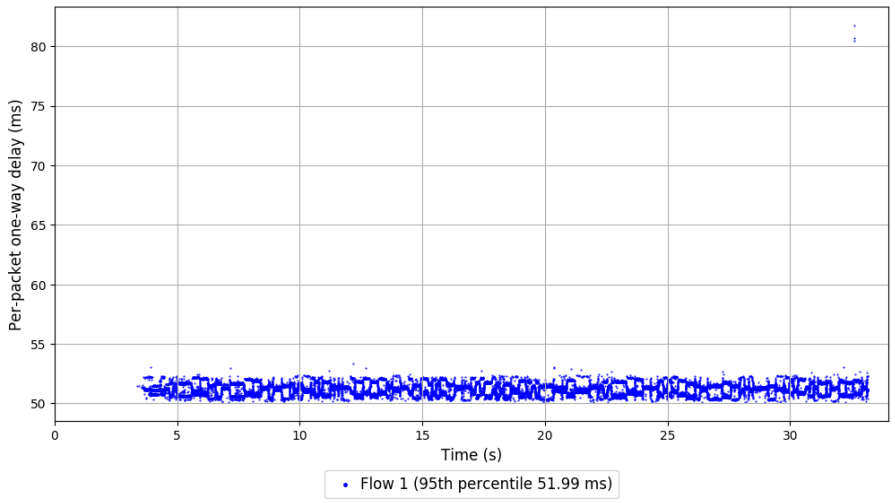
```
Run 1: Statistics of PCC-Allegro

Start at: 2020-04-16 08:21:06
End at: 2020-04-16 08:21:36

# Below is generated by plot.py at 2020-04-16 08:58:24
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 9.06 Mbit/s (8.4% utilization)
95th percentile per-packet one-way delay: 51.986 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 51.986 ms
Loss rate: 2.92%
```

Run 1: Report of PCC-Allegro — Data Link



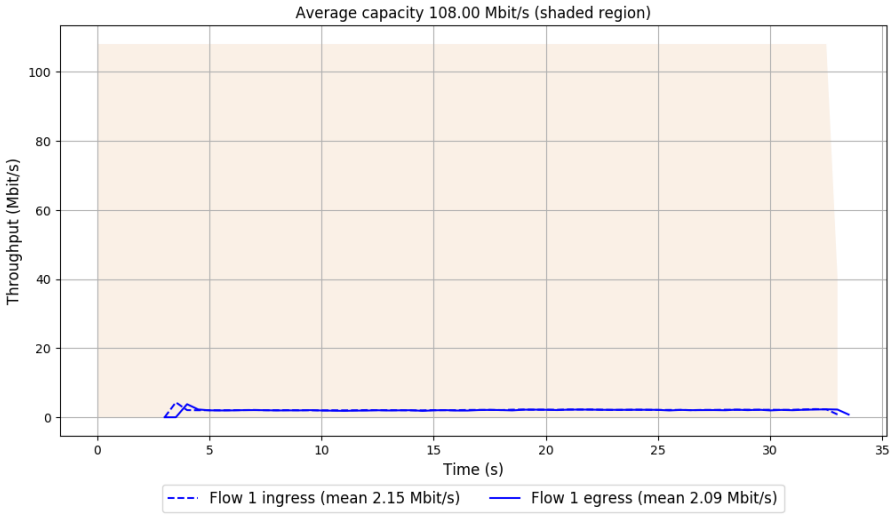


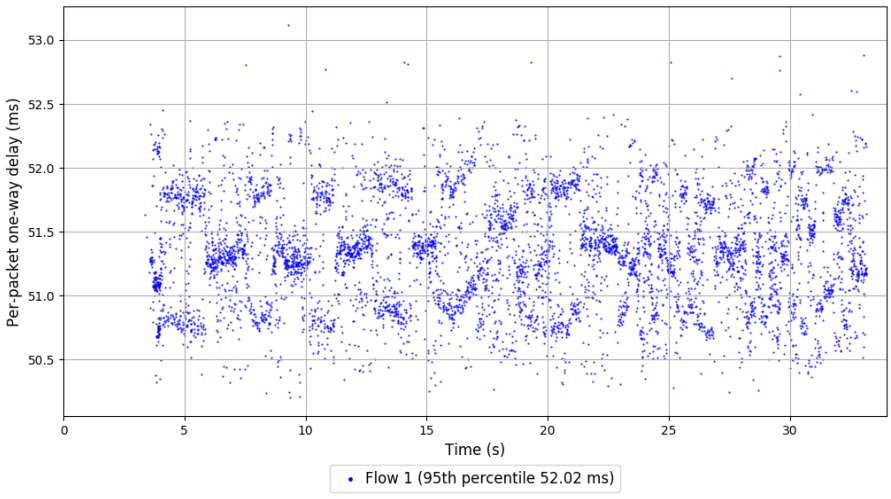
```
Run 2: Statistics of PCC-Allegro

Start at: 2020-04-16 08:35:47
End at: 2020-04-16 08:36:17

# Below is generated by plot.py at 2020-04-16 08:58:24
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 2.09 Mbit/s (1.9% utilization)
95th percentile per-packet one-way delay: 52.021 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 52.021 ms
Loss rate: 2.61%
```

Run 2: Report of PCC-Allegro — Data Link



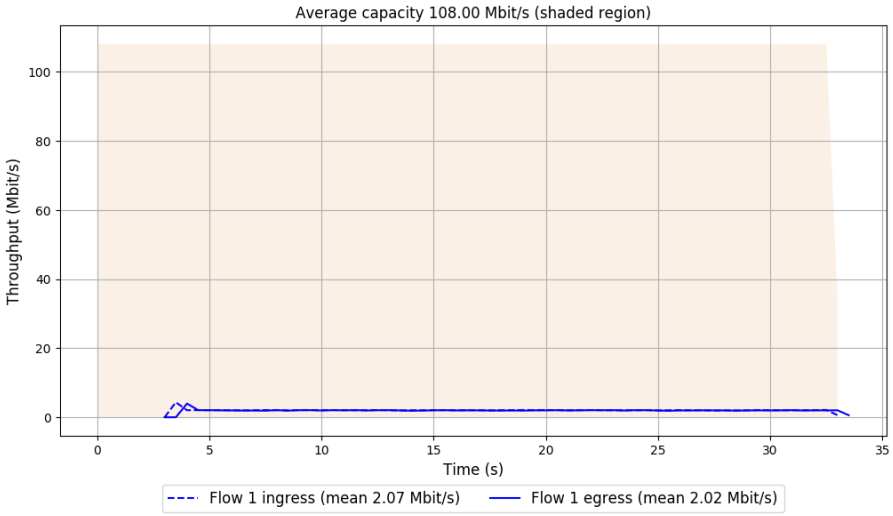


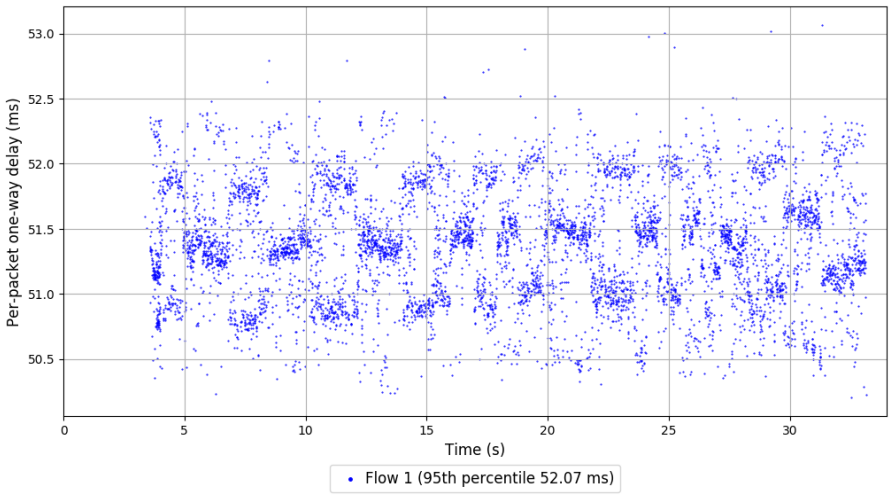
```
Run 3: Statistics of PCC-Allegro

Start at: 2020-04-16 08:50:26
End at: 2020-04-16 08:50:56

# Below is generated by plot.py at 2020-04-16 08:58:24
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 2.02 Mbit/s (1.9% utilization)
95th percentile per-packet one-way delay: 52.069 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 52.069 ms
Loss rate: 2.65%
```

Run 3: Report of PCC-Allegro — Data Link

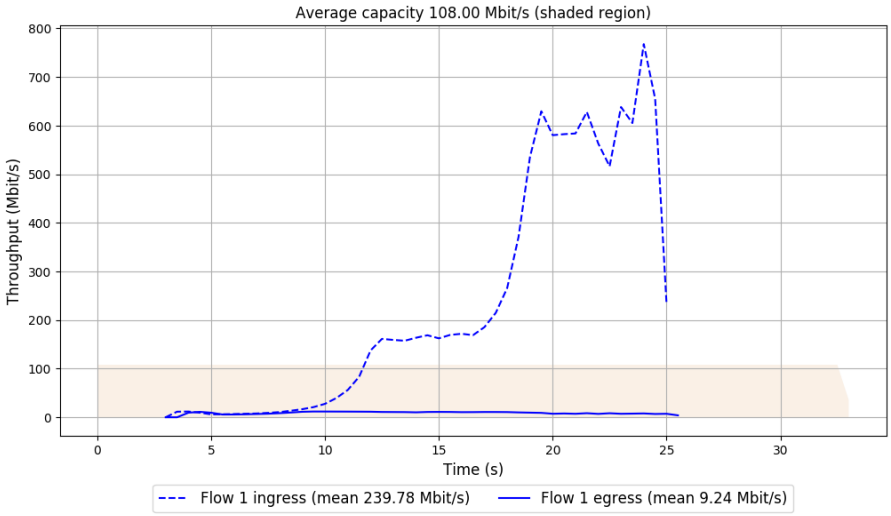


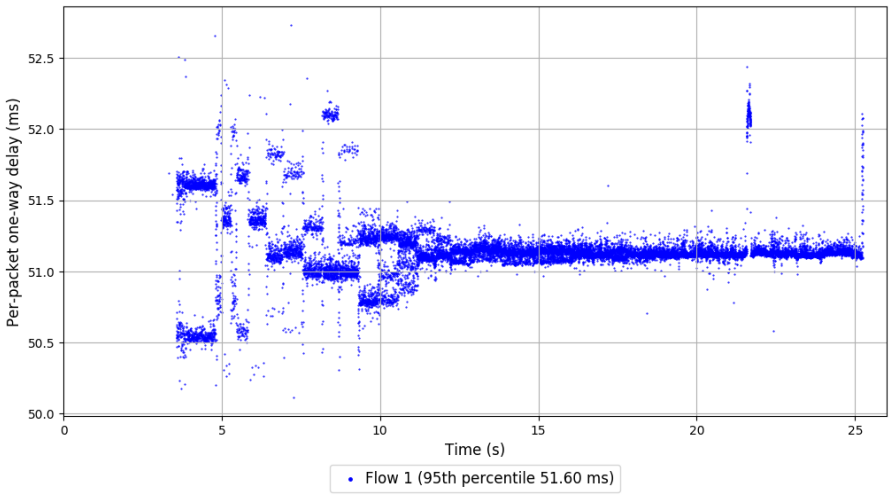


```
Run 1: Statistics of PCC-Expr

Start at: 2020-04-16 08:16:11
End at: 2020-04-16 08:16:41
```

Run 1: Report of PCC-Expr — Data Link



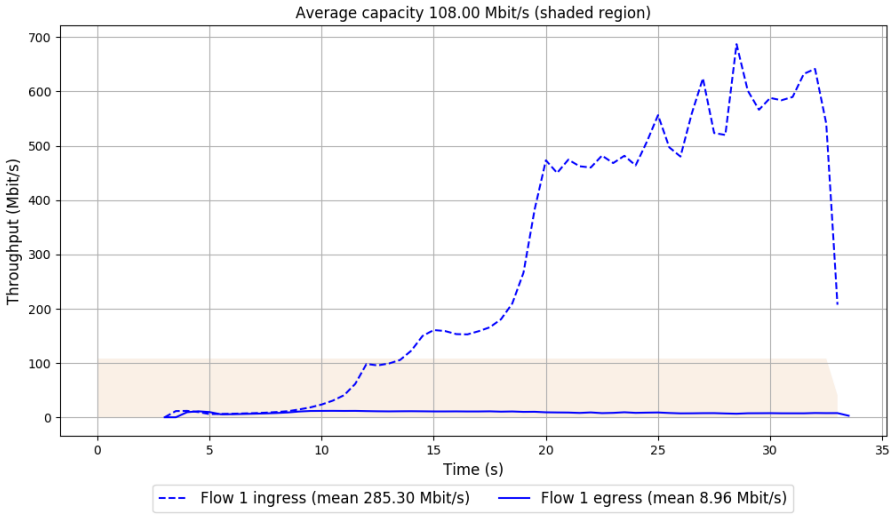


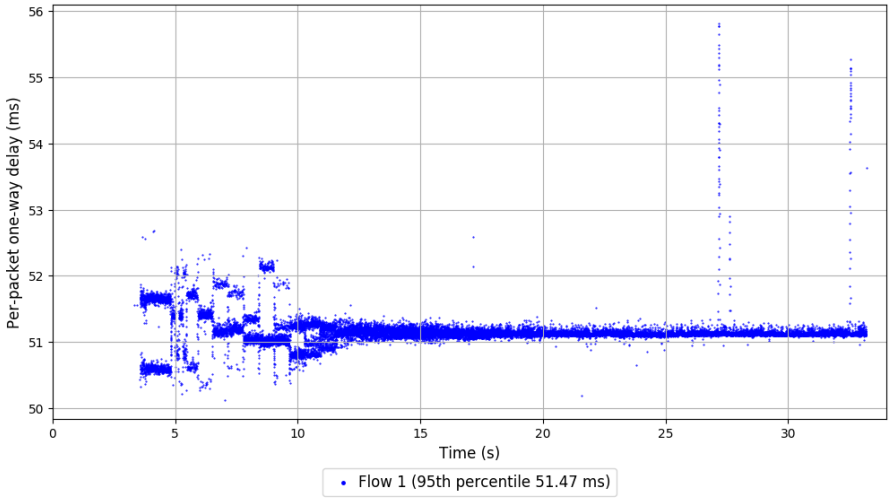
```
Run 2: Statistics of PCC-Expr

Start at: 2020-04-16 08:30:49
End at: 2020-04-16 08:31:19

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 8.96 Mbit/s (8.3% utilization)
95th percentile per-packet one-way delay: 51.466 ms
Loss rate: 96.86%
-- Flow 1:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 51.466 ms
Loss rate: 96.86%
```

Run 2: Report of PCC-Expr — Data Link



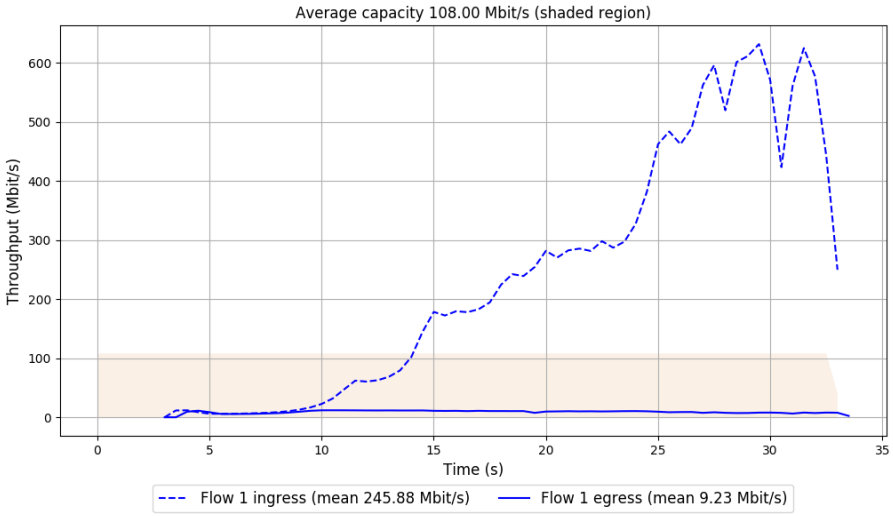


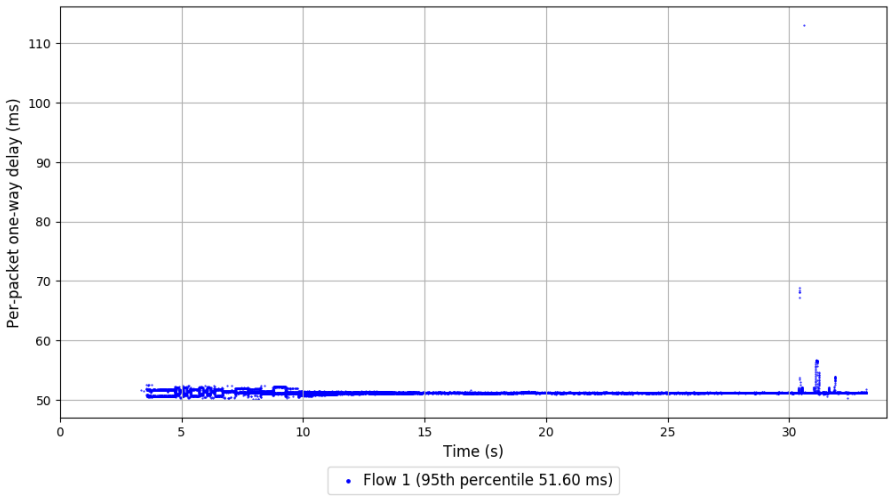
```
Run 3: Statistics of PCC-Expr

Start at: 2020-04-16 08:45:29
End at: 2020-04-16 08:45:59

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 9.23 Mbit/s (8.5% utilization)
95th percentile per-packet one-way delay: 51.602 ms
Loss rate: 96.25%
-- Flow 1:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 51.602 ms
Loss rate: 96.25%
```

Run 3: Report of PCC-Expr — Data Link



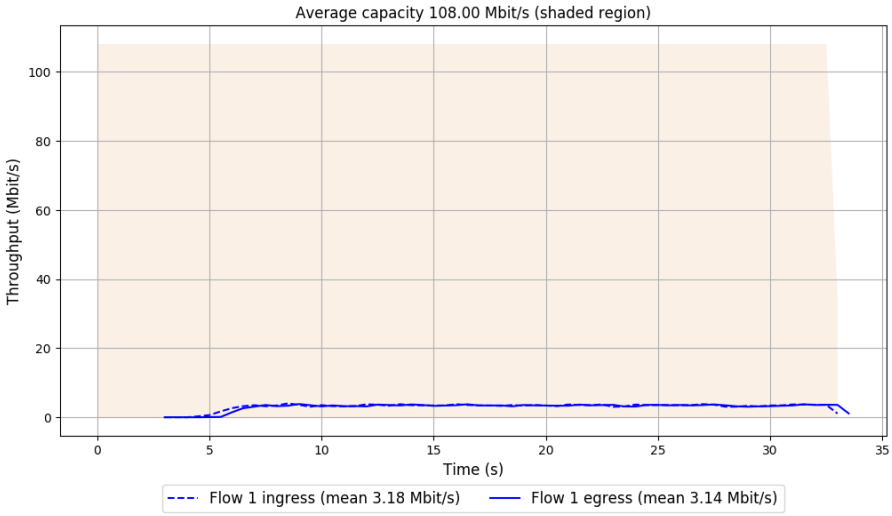


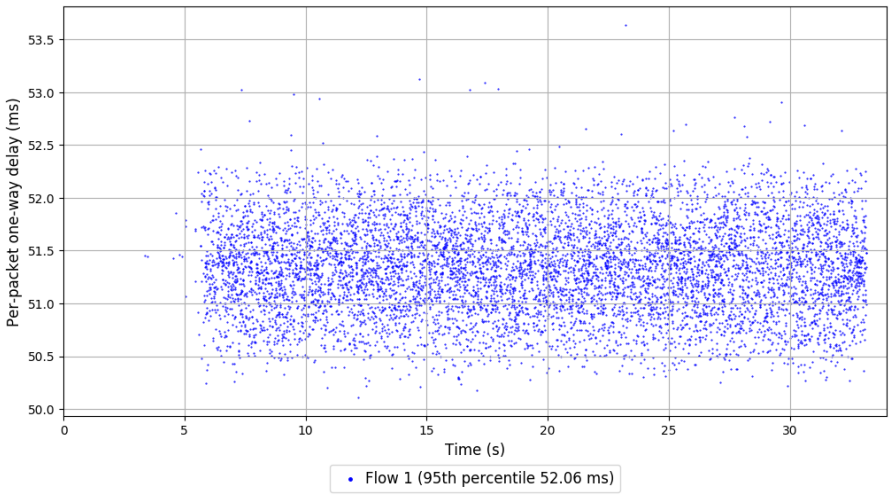
```
Run 1: Statistics of QUIC Cubic

Start at: 2020-04-16 08:19:53
End at: 2020-04-16 08:20:23

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 3.14 Mbit/s (2.9% utilization)
95th percentile per-packet one-way delay: 52.057 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 52.057 ms
Loss rate: 1.40%
```

Run 1: Report of QUIC Cubic — Data Link



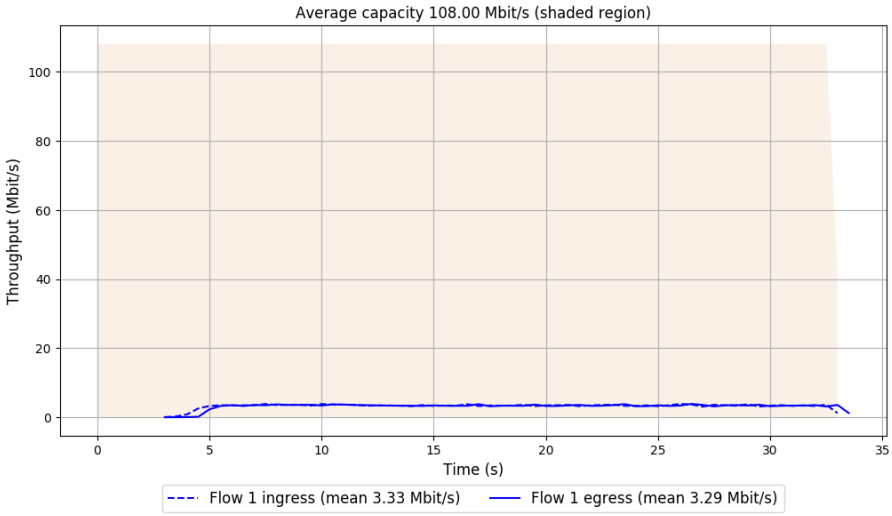


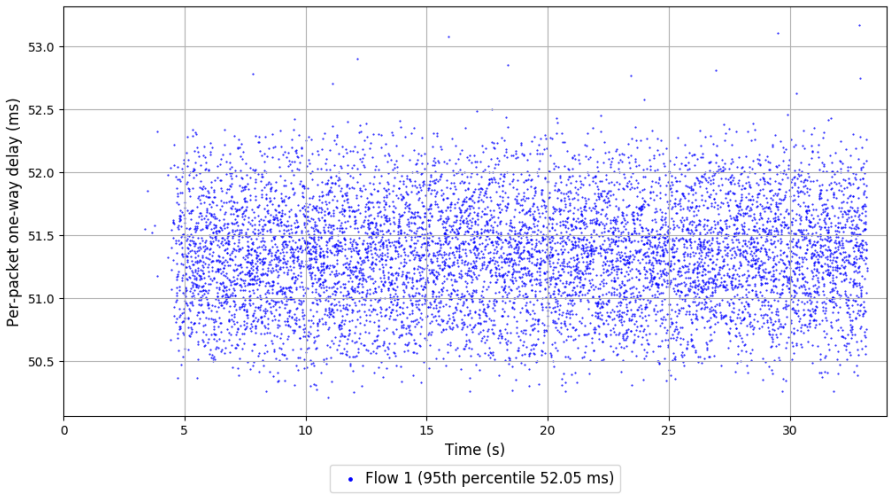
```
Run 2: Statistics of QUIC Cubic

Start at: 2020-04-16 08:34:35
End at: 2020-04-16 08:35:05

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 3.29 Mbit/s (3.0% utilization)
95th percentile per-packet one-way delay: 52.055 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 52.055 ms
Loss rate: 1.29%
```

Run 2: Report of QUIC Cubic — Data Link



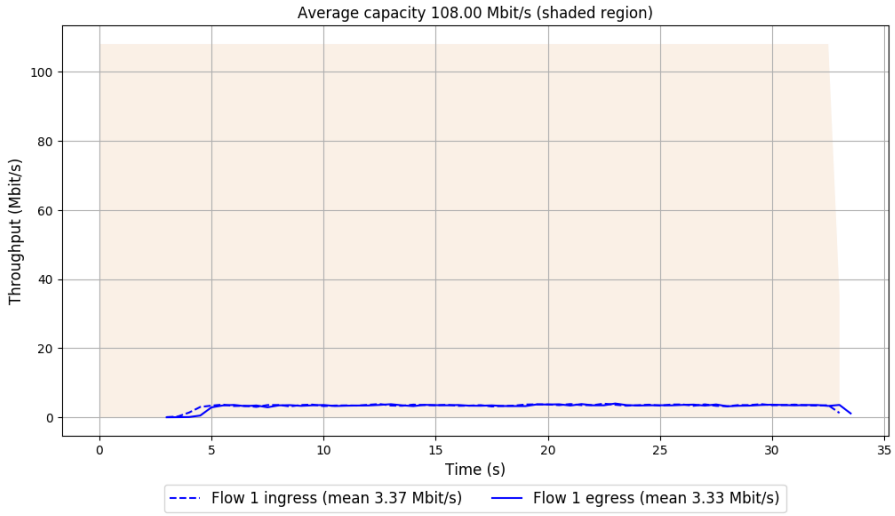


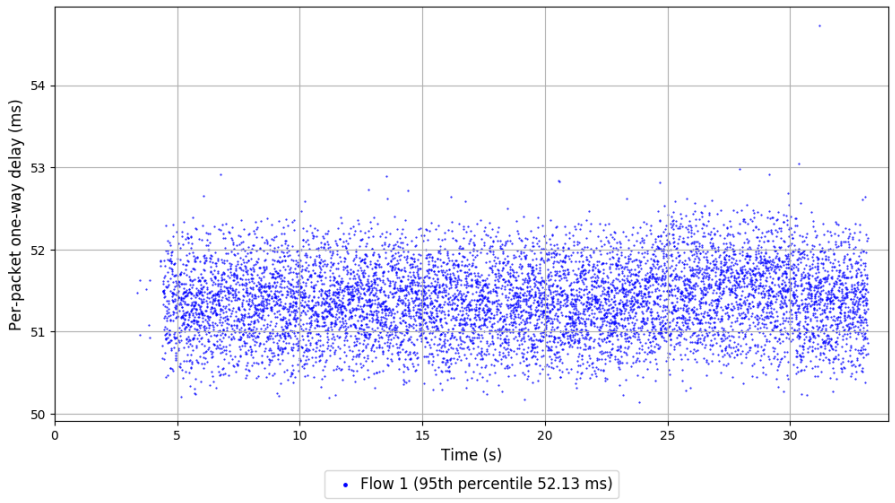
```
Run 3: Statistics of QUIC Cubic

Start at: 2020-04-16 08:49:14
End at: 2020-04-16 08:49:44

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 3.33 Mbit/s (3.1% utilization)
95th percentile per-packet one-way delay: 52.126 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 52.126 ms
Loss rate: 1.38%
```

Run 3: Report of QUIC Cubic — Data Link



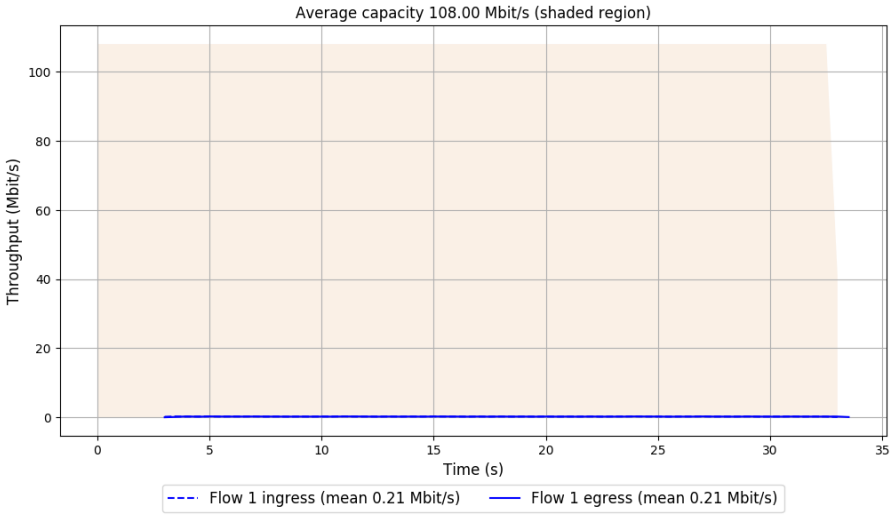


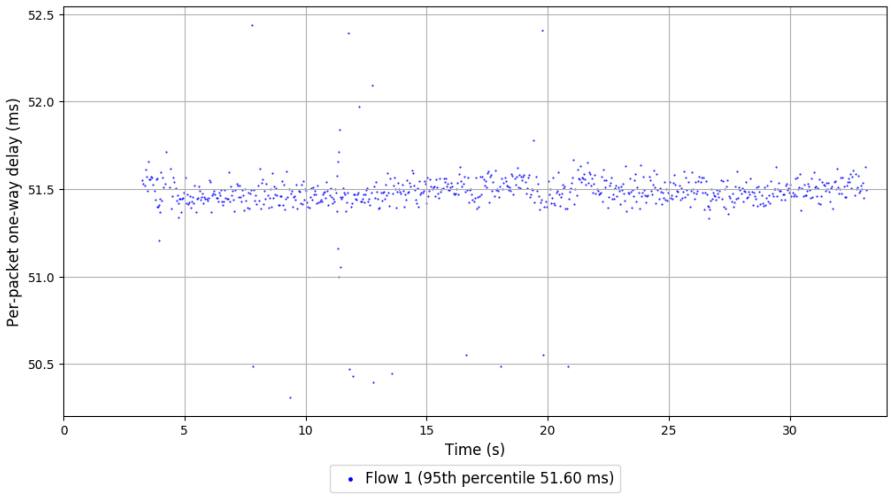
```
Run 1: Statistics of SCReAM

Start at: 2020-04-16 08:17:29
End at: 2020-04-16 08:17:59

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.21 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 51.596 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.596 ms
Loss rate: 0.26%
```

Run 1: Report of SCReAM — Data Link



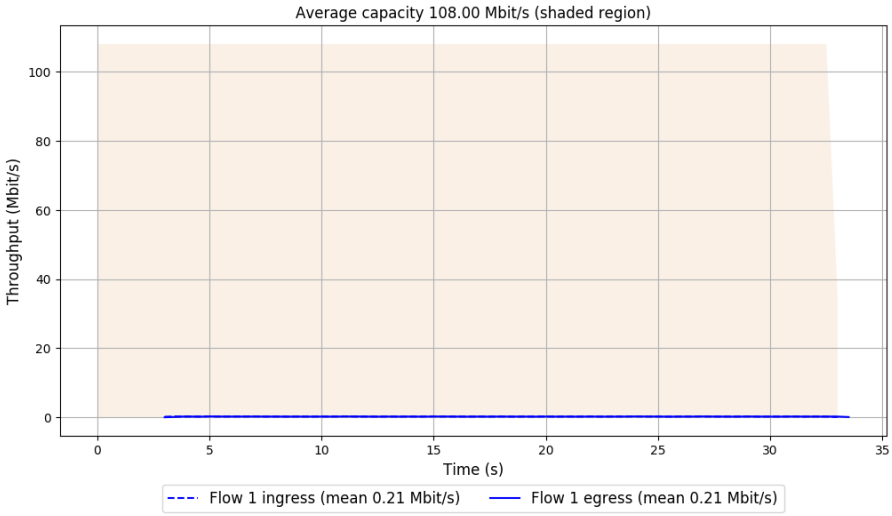


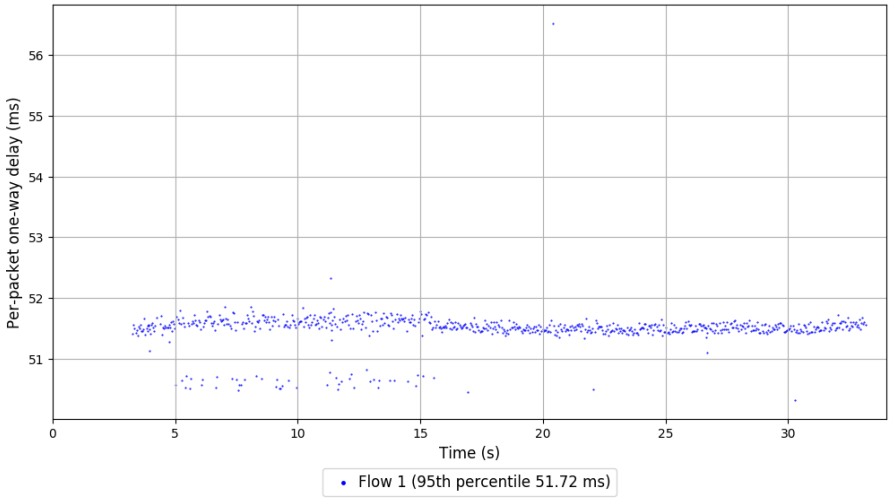
```
Run 2: Statistics of SCReAM

Start at: 2020-04-16 08:32:10
End at: 2020-04-16 08:32:40

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.21 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 51.720 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.720 ms
Loss rate: 0.13%
```

Run 2: Report of SCReAM — Data Link



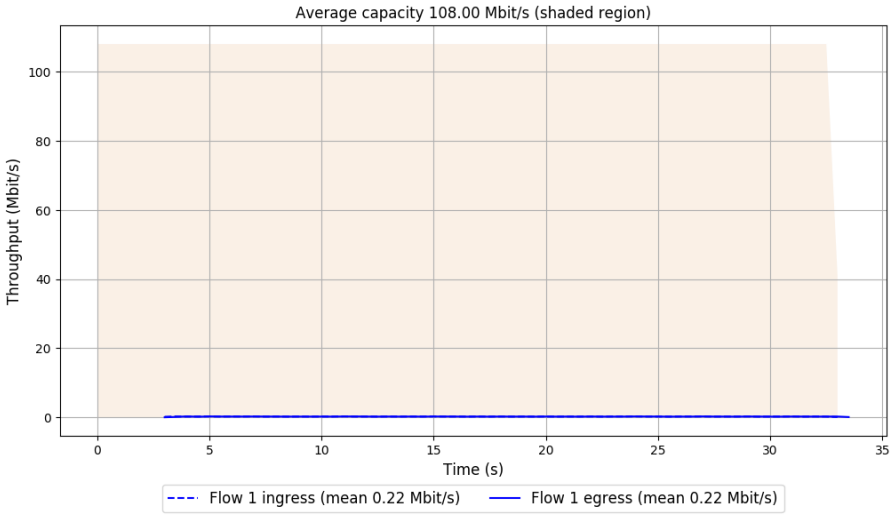


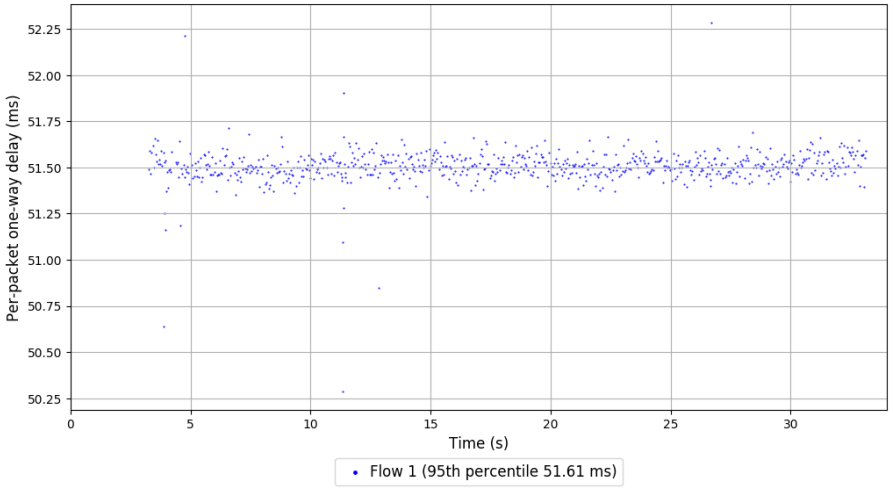
```
Run 3: Statistics of SCReAM

Start at: 2020-04-16 08:46:49
End at: 2020-04-16 08:47:19

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.22 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 51.613 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.613 ms
Loss rate: 0.26%
```

Run 3: Report of SCReAM — Data Link



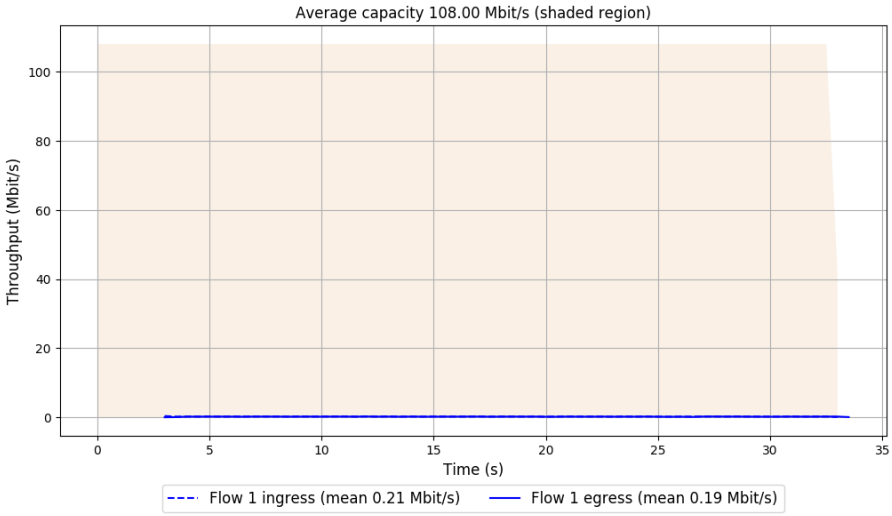


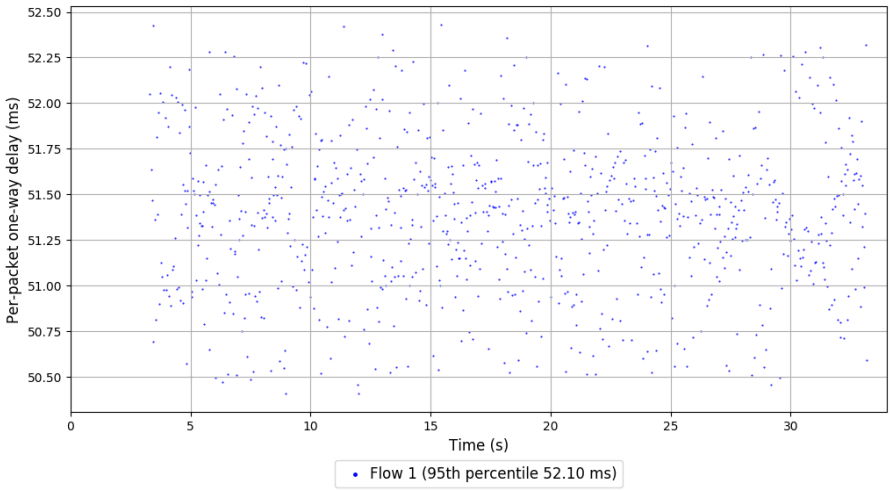
```
Run 1: Statistics of Sprout

Start at: 2020-04-16 08:14:22
End at: 2020-04-16 08:14:52

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.19 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 7.36%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 7.36%
```

Run 1: Report of Sprout — Data Link



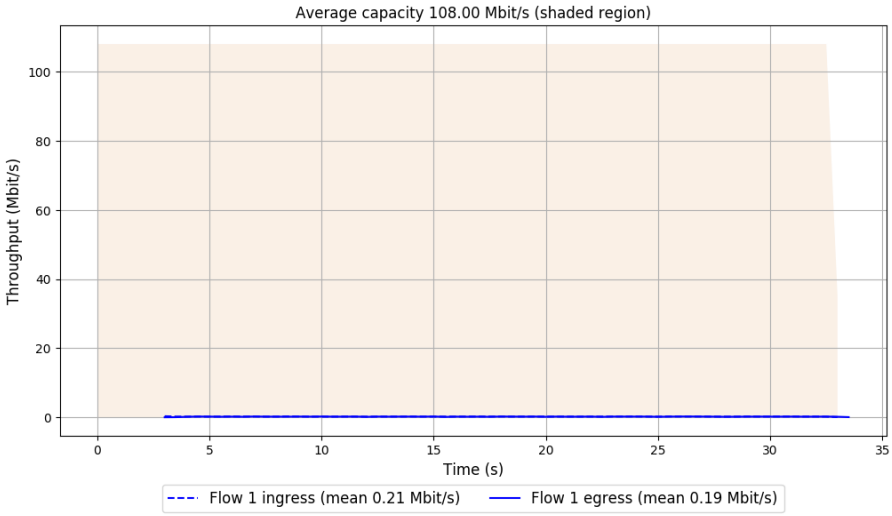


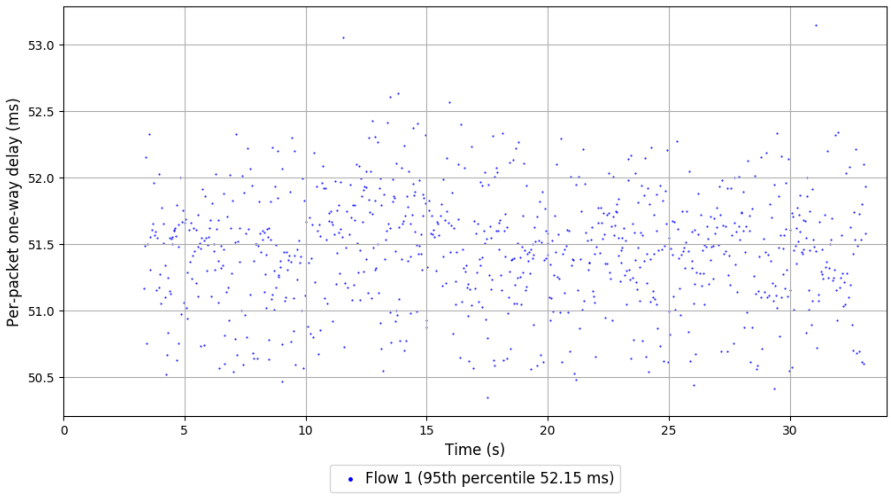
```
Run 2: Statistics of Sprout

Start at: 2020-04-16 08:29:00
End at: 2020-04-16 08:29:30

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.19 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.149 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 52.149 ms
Loss rate: 9.01%
```

Run 2: Report of Sprout — Data Link



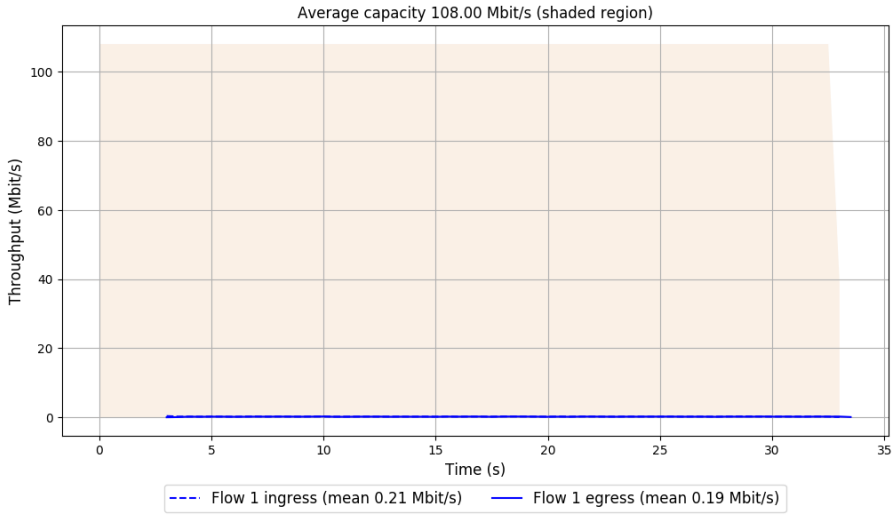


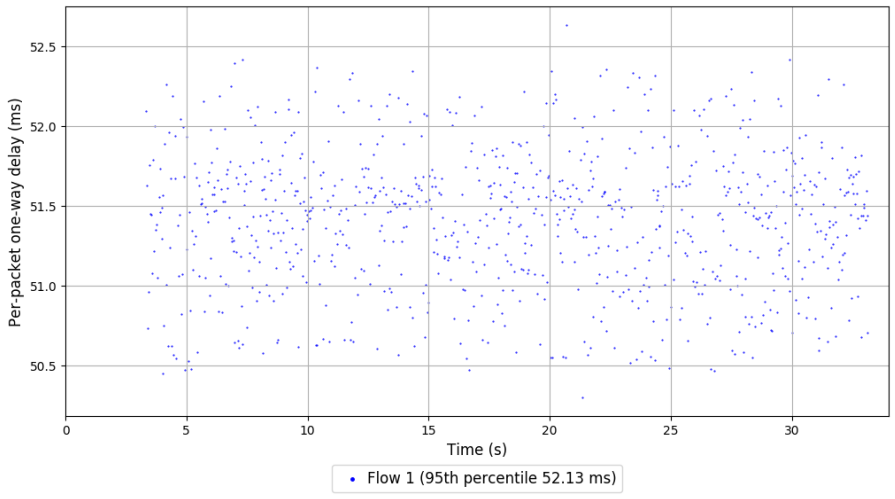
```
Run 3: Statistics of Sprout

Start at: 2020-04-16 08:43:40
End at: 2020-04-16 08:44:10

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.19 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.135 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 52.135 ms
Loss rate: 8.67%
```

Run 3: Report of Sprout — Data Link



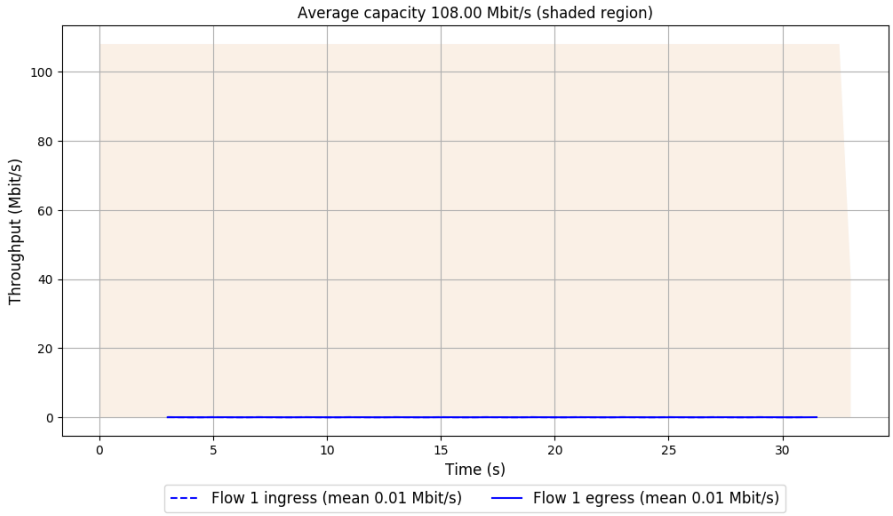


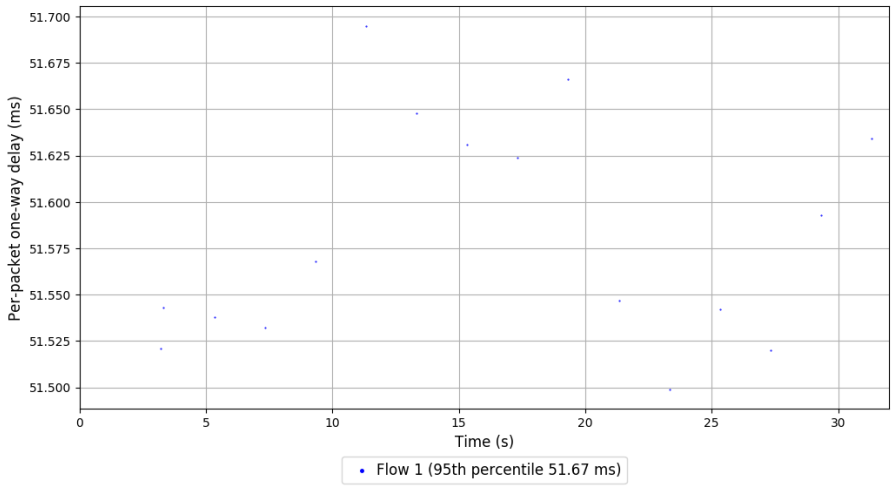
```
Run 1: Statistics of TaoVA-100x

Start at: 2020-04-16 08:11:19
End at: 2020-04-16 08:11:49

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.01 Mbit/s (0.0% utilization)
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 51.91%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 51.91%
```

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



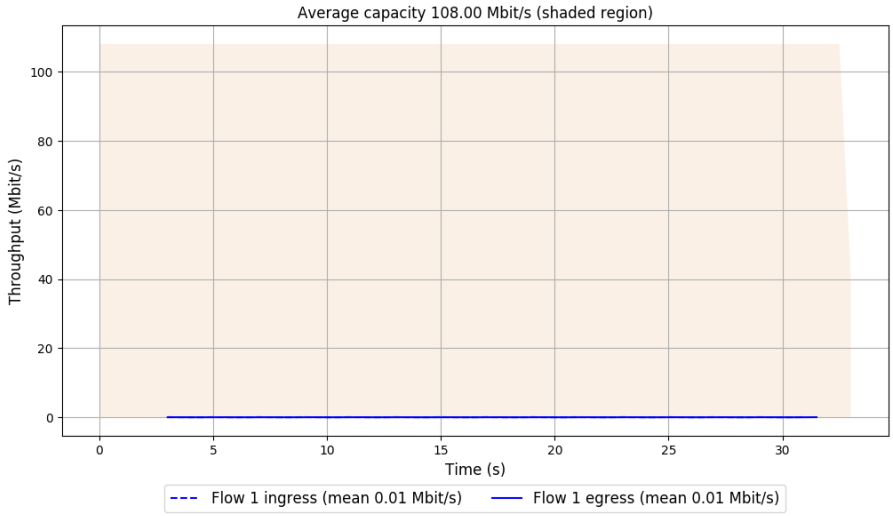


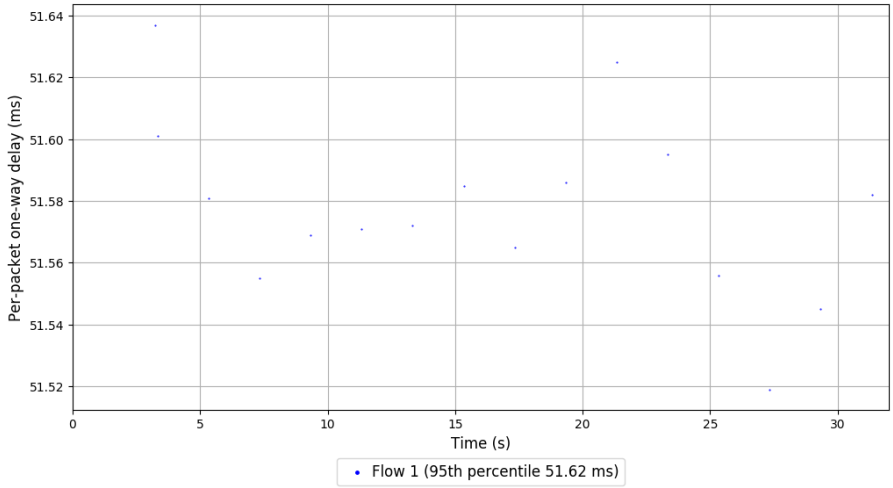
```
Run 2: Statistics of TaoVA-100x

Start at: 2020-04-16 08:25:56
End at: 2020-04-16 08:26:26

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.01 Mbit/s (0.0% utilization)
95th percentile per-packet one-way delay: 51.625 ms
Loss rate: 51.91%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 51.625 ms
Loss rate: 51.91%
```

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



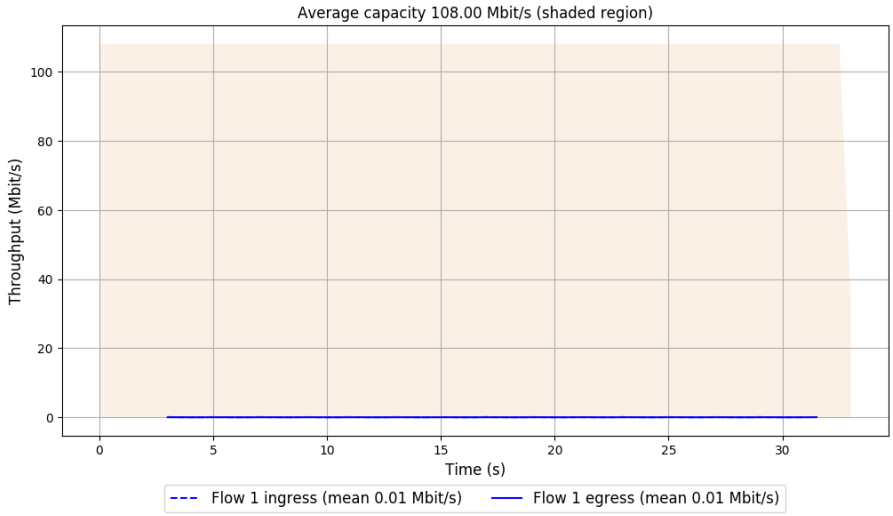


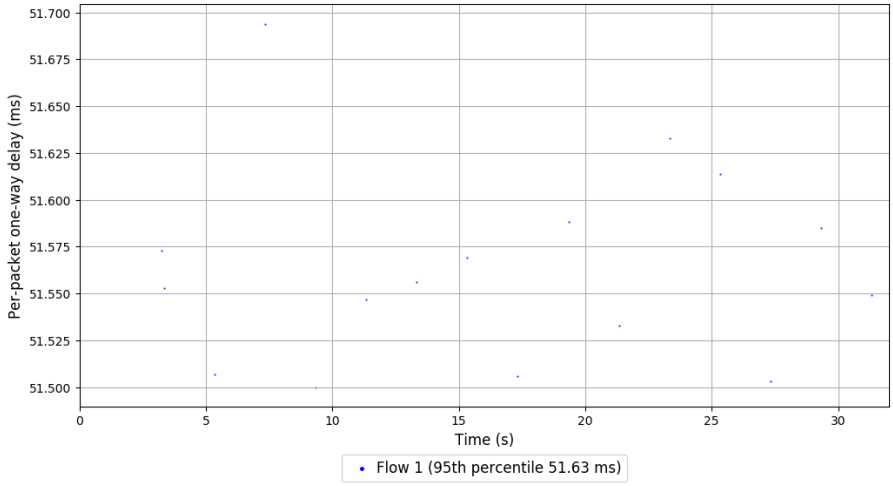
```
Run 3: Statistics of TaoVA-100x

Start at: 2020-04-16 08:40:38
End at: 2020-04-16 08:41:08

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.01 Mbit/s (0.0% utilization)
95th percentile per-packet one-way delay: 51.633 ms
Loss rate: 51.91%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 51.633 ms
Loss rate: 51.91%
```

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



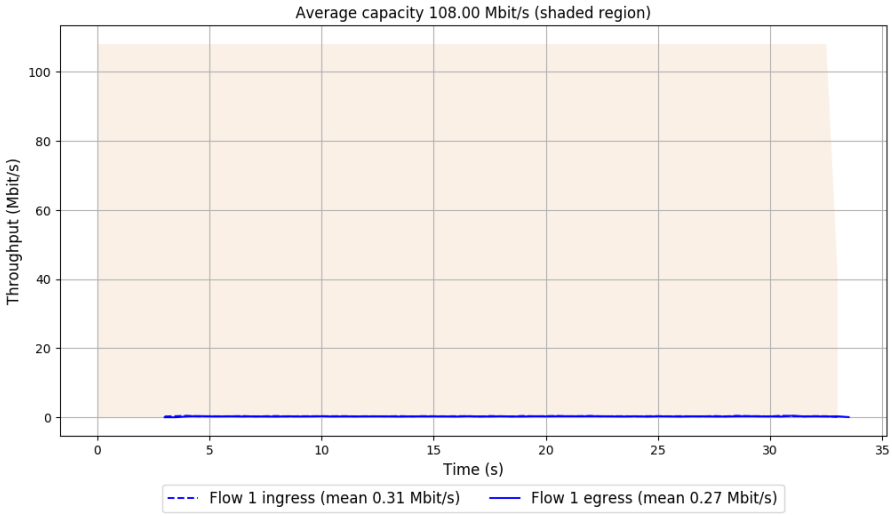


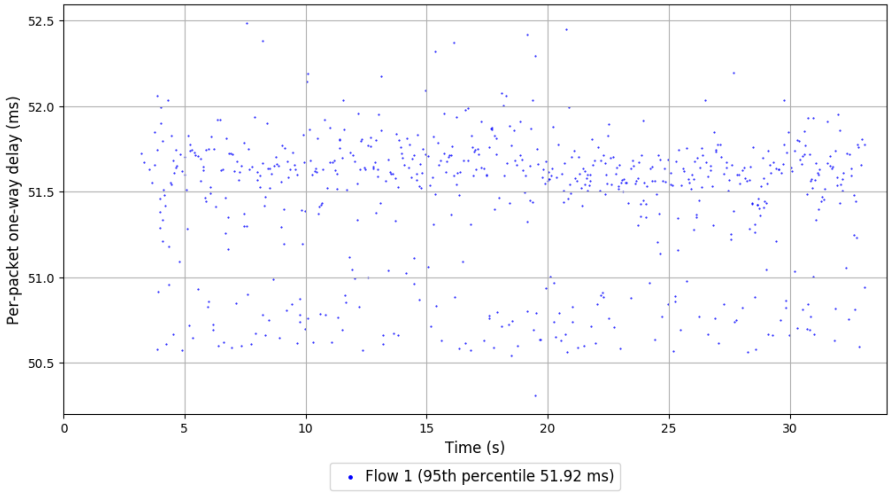
```
Run 1: Statistics of TCP Vegas

Start at: 2020-04-16 08:19:17
End at: 2020-04-16 08:19:47

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.27 Mbit/s (0.3% utilization)
95th percentile per-packet one-way delay: 51.922 ms
Loss rate: 13.92%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 51.922 ms
Loss rate: 13.92%
```

Run 1: Report of TCP Vegas — Data Link



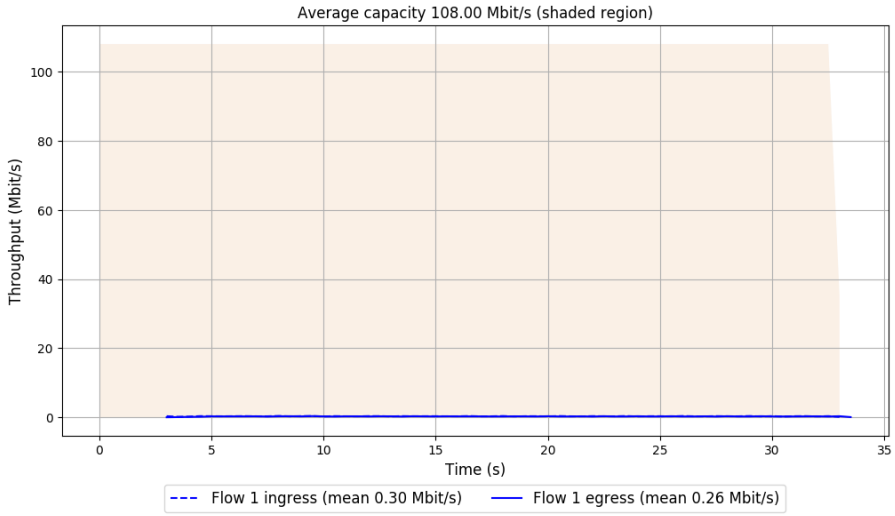


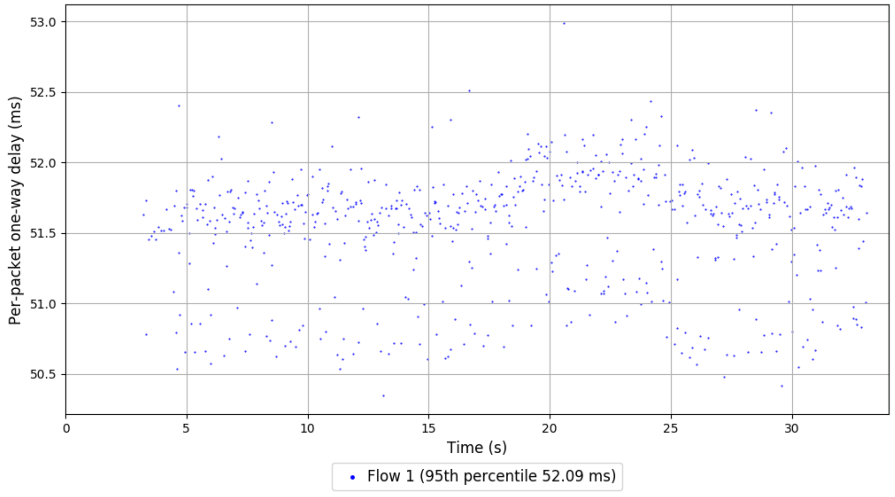
```
Run 2: Statistics of TCP Vegas

Start at: 2020-04-16 08:33:59
End at: 2020-04-16 08:34:29

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.26 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.089 ms
Loss rate: 14.25%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 52.089 ms
Loss rate: 14.25%
```

Run 2: Report of TCP Vegas — Data Link



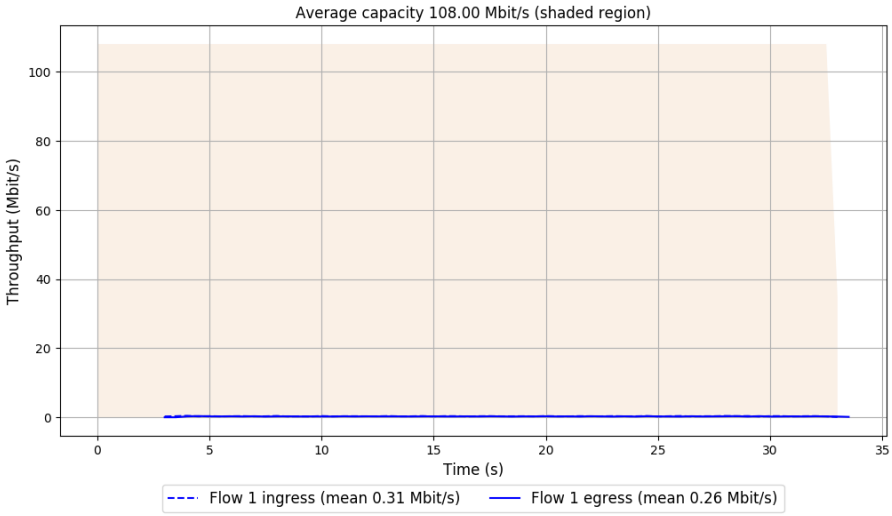


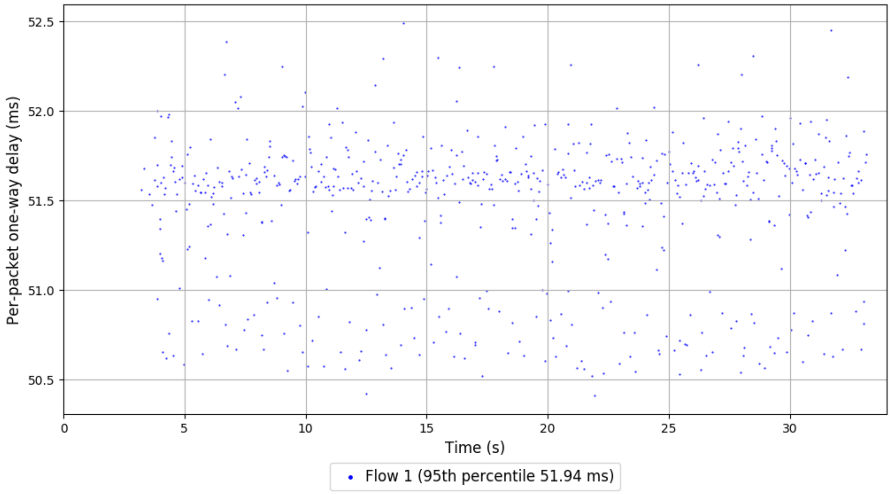
```
Run 3: Statistics of TCP Vegas

Start at: 2020-04-16 08:48:38
End at: 2020-04-16 08:49:08

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.26 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 51.939 ms
Loss rate: 14.41%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 51.939 ms
Loss rate: 14.41%
```

Run 3: Report of TCP Vegas — Data Link



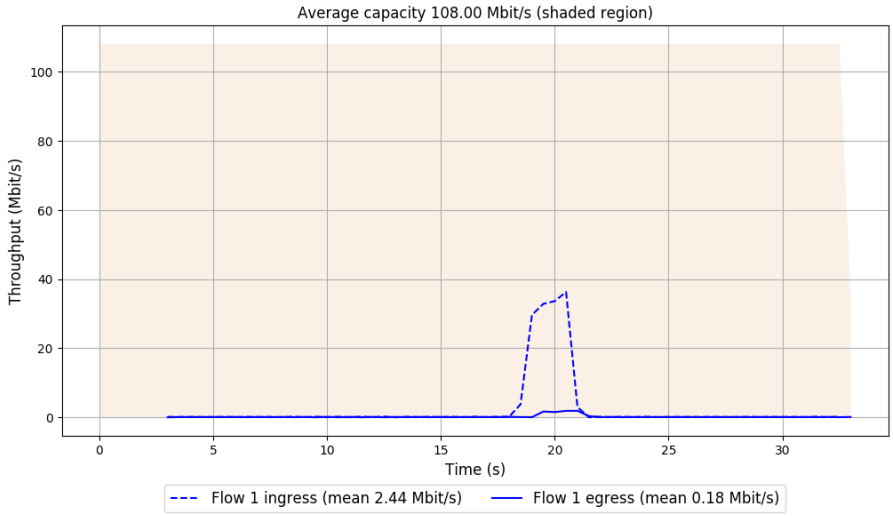


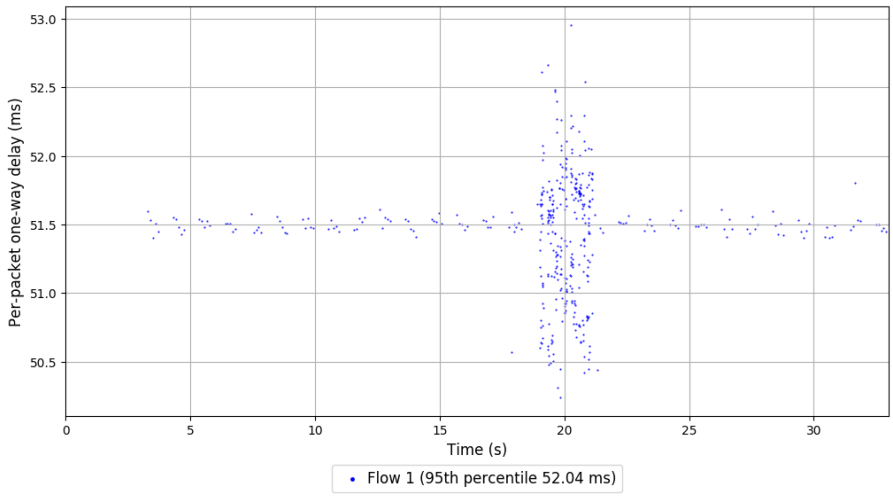
```
Run 1: Statistics of Verus

Start at: 2020-04-16 08:24:07
End at: 2020-04-16 08:24:37

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.18 Mbit/s (0.2% utilization)
95th percentile per-packet one-way delay: 52.042 ms
Loss rate: 92.79%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 52.042 ms
Loss rate: 92.79%
```

Run 1: Report of Verus — Data Link



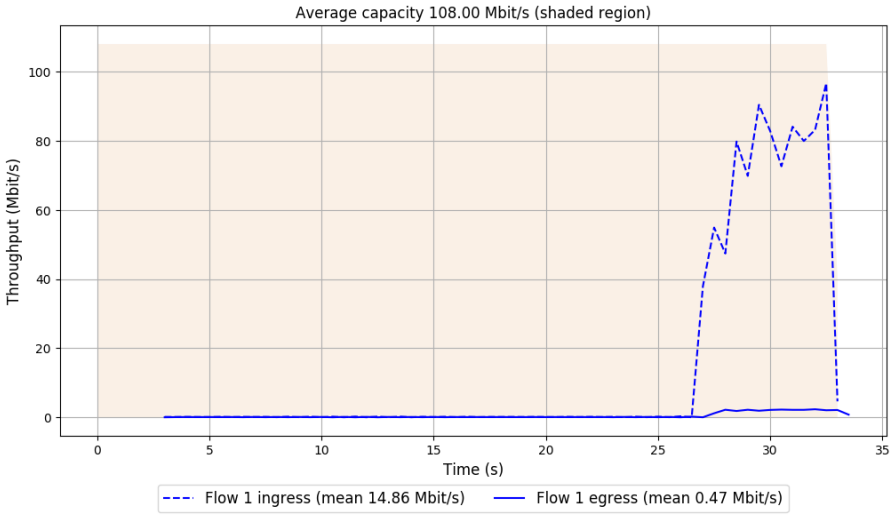


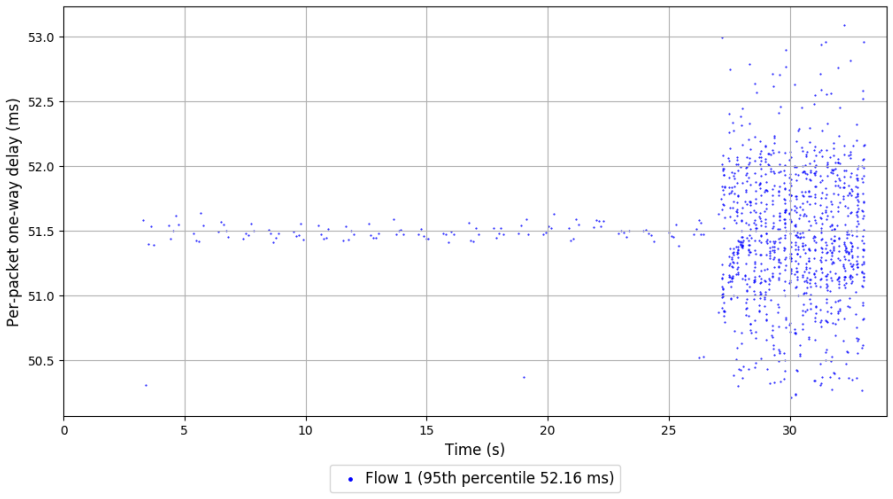
```
Run 2: Statistics of Verus

Start at: 2020-04-16 08:38:49
End at: 2020-04-16 08:39:19

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.47 Mbit/s (0.4% utilization)
95th percentile per-packet one-way delay: 52.157 ms
Loss rate: 96.86%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 52.157 ms
Loss rate: 96.86%
```

Run 2: Report of Verus — Data Link



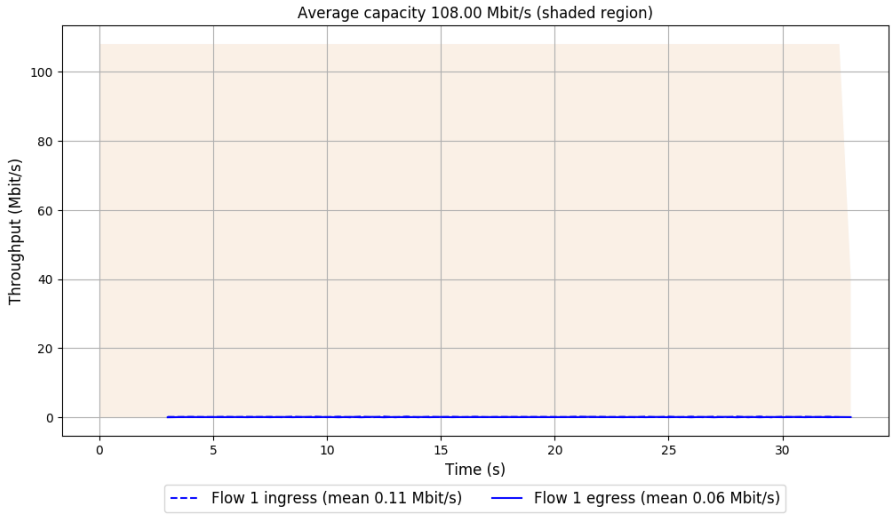


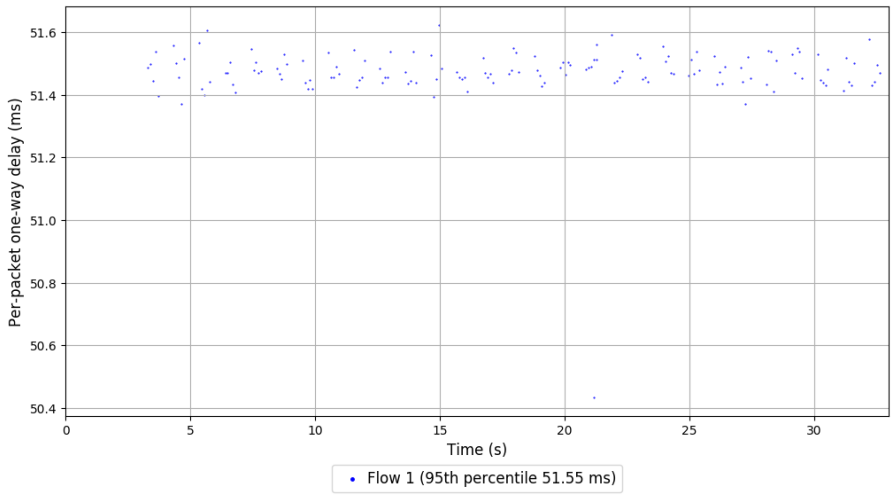
```
Run 3: Statistics of Verus

Start at: 2020-04-16 08:53:28
End at: 2020-04-16 08:53:58

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 0.06 Mbit/s (0.1% utilization)
95th percentile per-packet one-way delay: 51.554 ms
Loss rate: 44.11%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 51.554 ms
Loss rate: 44.11%
```

Run 3: Report of Verus — Data Link



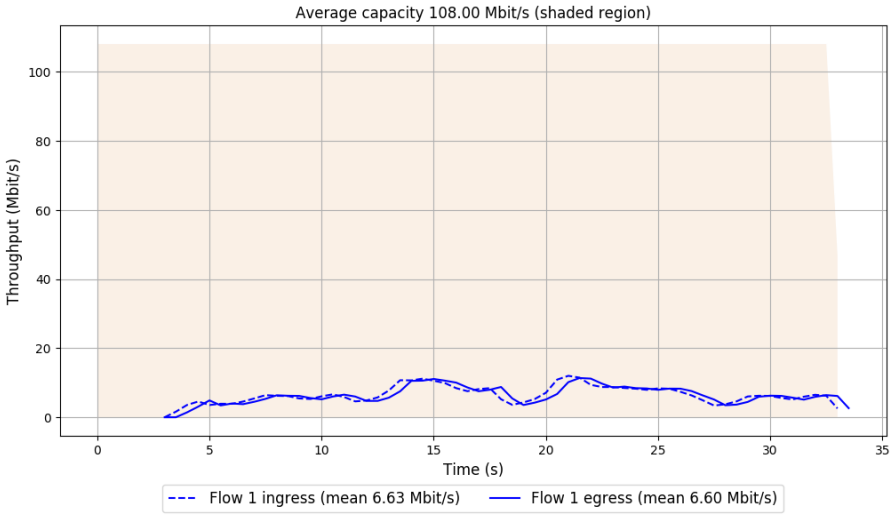


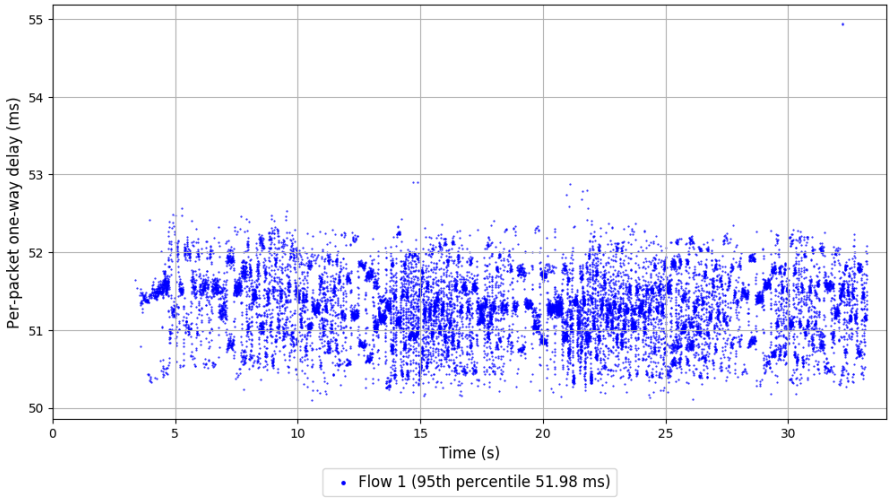
```
Run 1: Statistics of PCC-Vivace

Start at: 2020-04-16 08:13:46
End at: 2020-04-16 08:14:16

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 6.60 Mbit/s (6.1% utilization)
95th percentile per-packet one-way delay: 51.978 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 51.978 ms
Loss rate: 0.60%
```

Run 1: Report of PCC-Vivace — Data Link



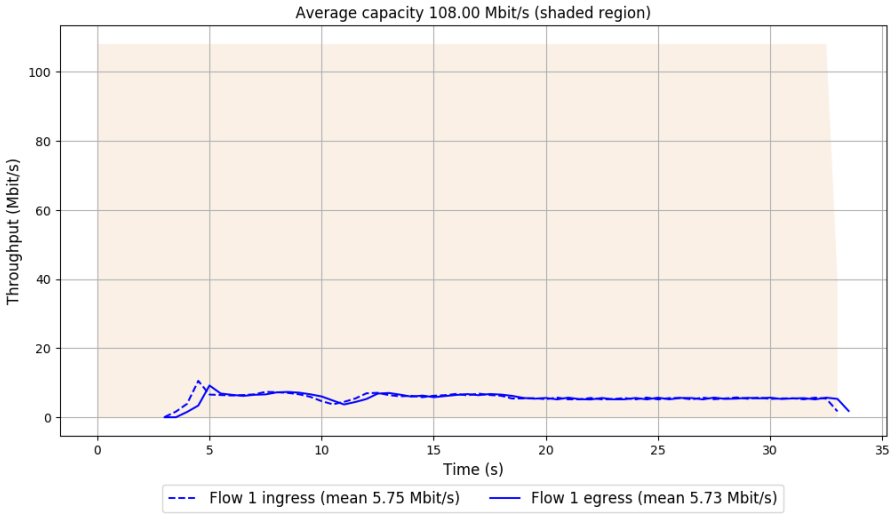


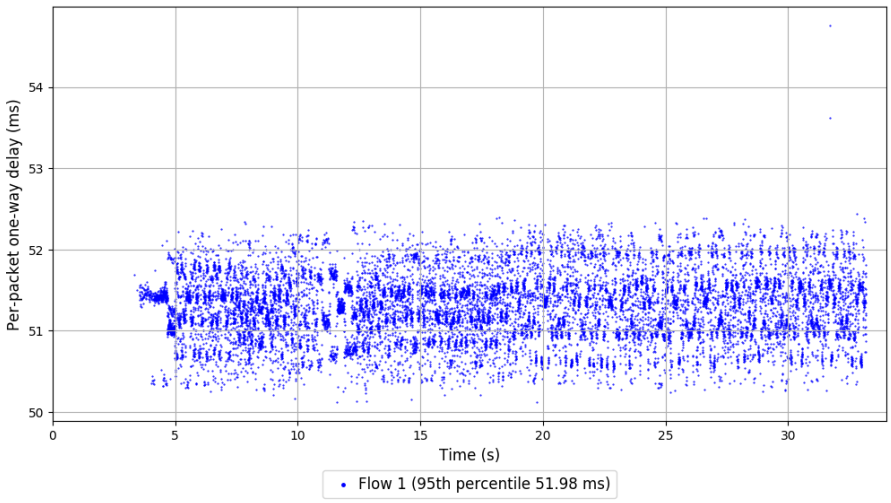
```
Run 2: Statistics of PCC-Vivace

Start at: 2020-04-16 08:28:23
End at: 2020-04-16 08:28:53

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 5.73 Mbit/s (5.3% utilization)
95th percentile per-packet one-way delay: 51.983 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 51.983 ms
Loss rate: 0.47%
```

Run 2: Report of PCC-Vivace — Data Link



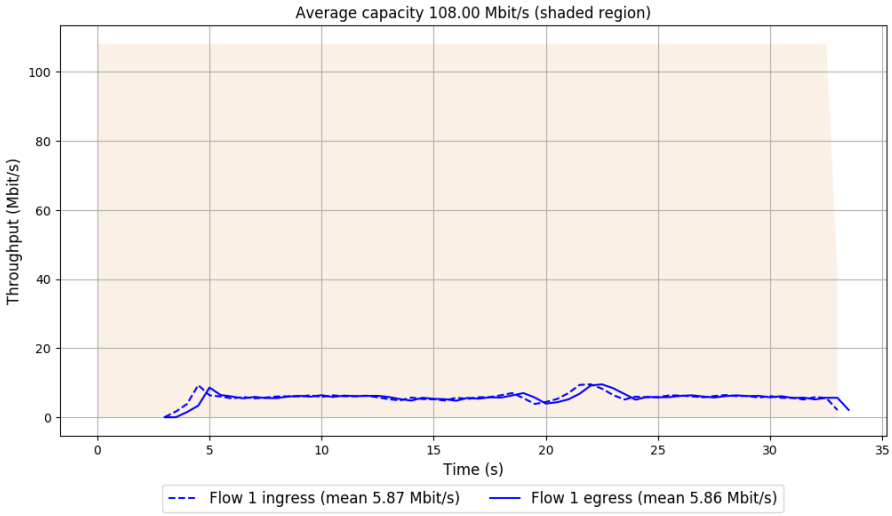


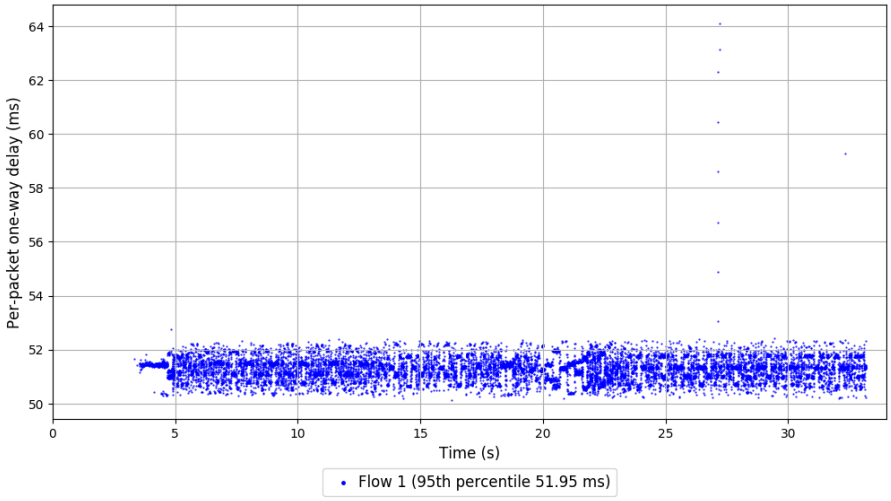
```
Run 3: Statistics of PCC-Vivace

Start at: 2020-04-16 08:43:04
End at: 2020-04-16 08:43:34

# Below is generated by plot.py at 2020-04-16 09:00:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 108.00 Mbit/s
Average throughput: 5.86 Mbit/s (5.4% utilization)
95th percentile per-packet one-way delay: 51.949 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 51.949 ms
Loss rate: 0.44%
```

Run 3: Report of PCC-Vivace — Data Link

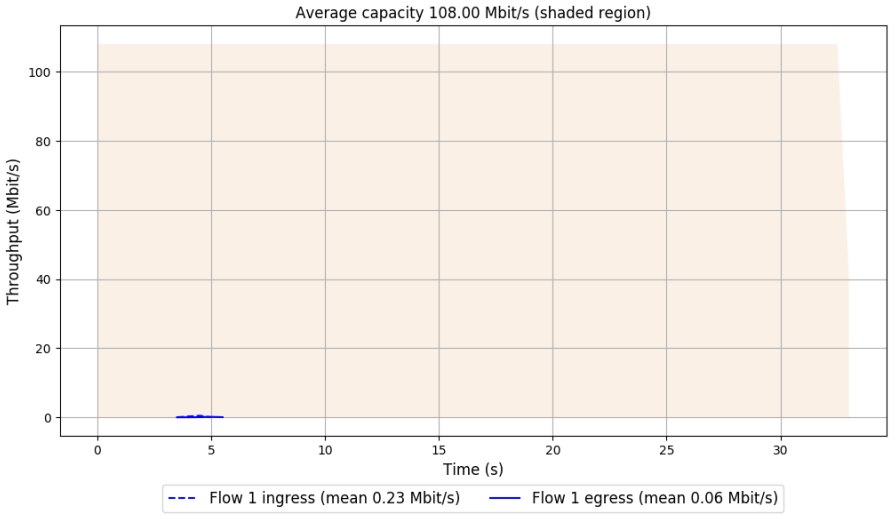


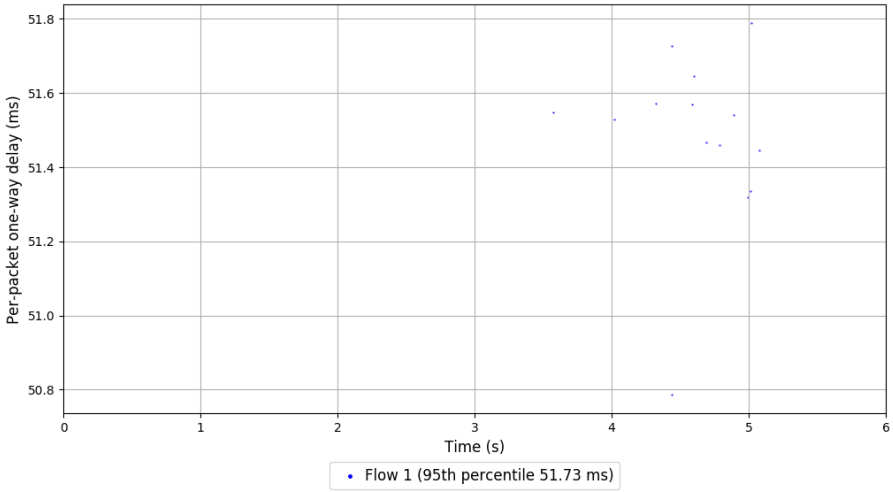


```
Run 1: Statistics of WebRTC media

Start at: 2020-04-16 08:23:31
End at: 2020-04-16 08:24:01
```

Run 1: Report of WebRTC media — Data Link

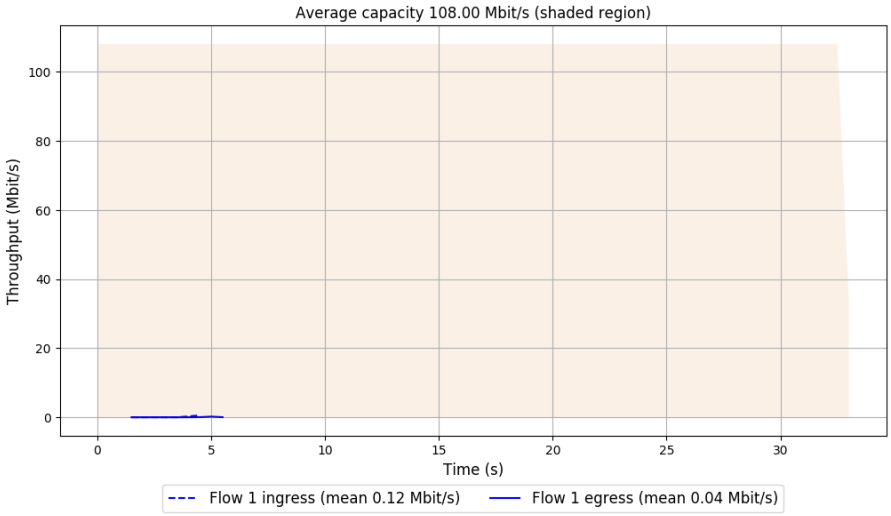


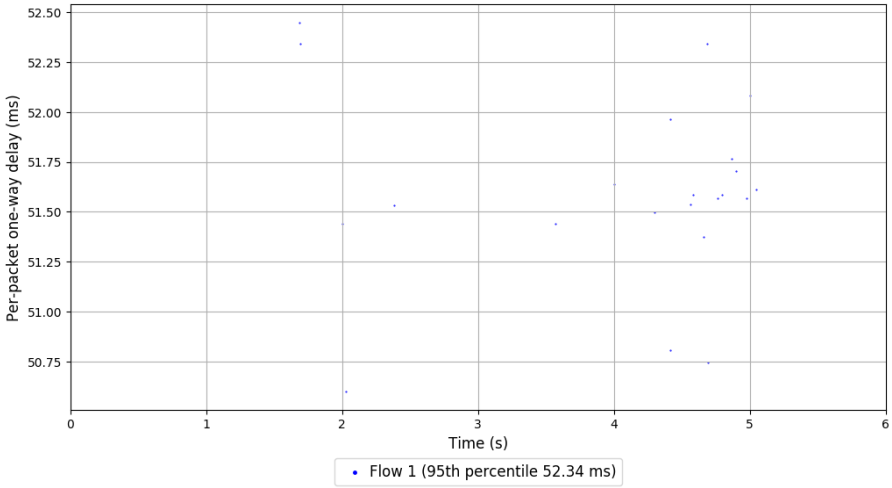


```
Run 2: Statistics of WebRTC media

Start at: 2020-04-16 08:38:12
End at: 2020-04-16 08:38:42
```

Run 2: Report of WebRTC media — Data Link





```
Run 3: Statistics of WebRTC media

Start at: 2020-04-16 08:52:51
End at: 2020-04-16 08:53:21
```

Run 3: Report of WebRTC media — Data Link