

Pantheon Report

Generated at 2019-07-17 20:01:14 (UTC).

Data path: AWS India 1 on `ens5` (*local*) → India on `em1` (*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.

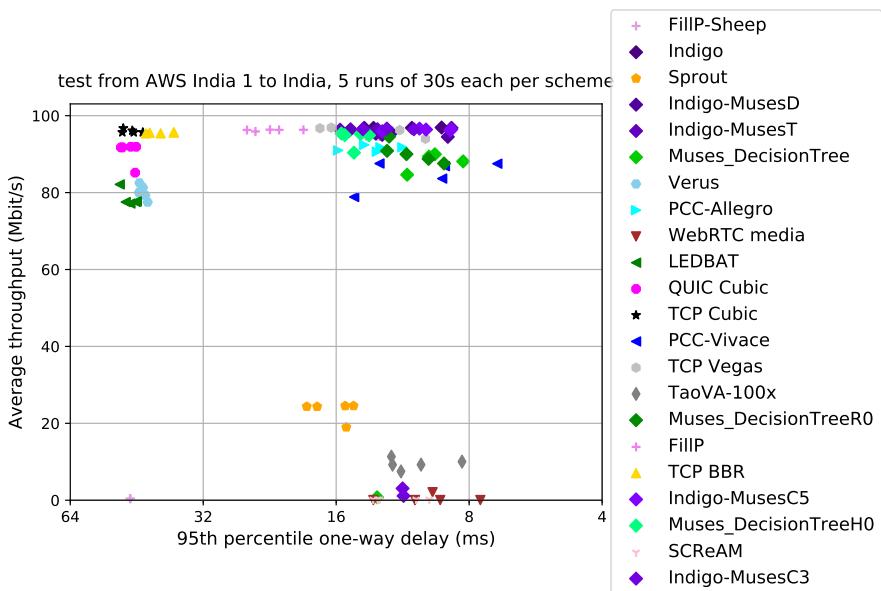
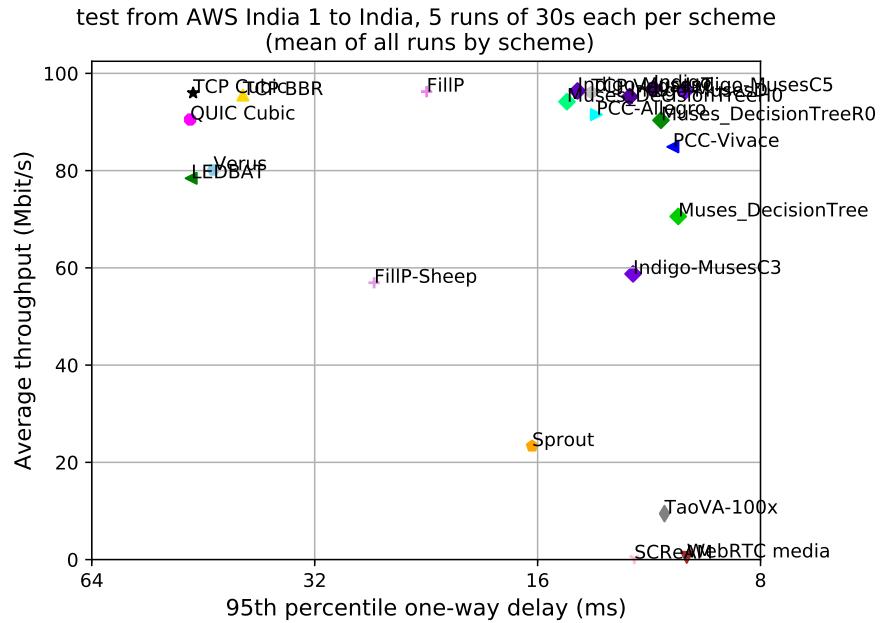
System info:

```
Linux 4.15.0-1043-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 @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
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



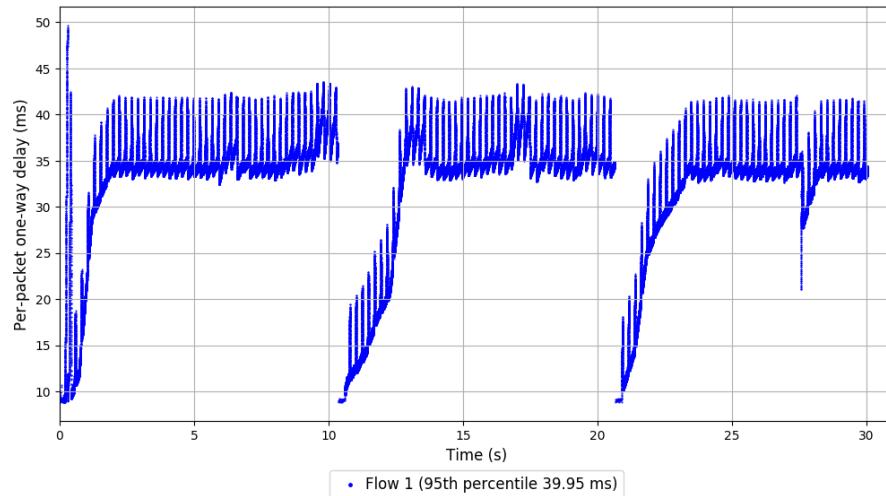
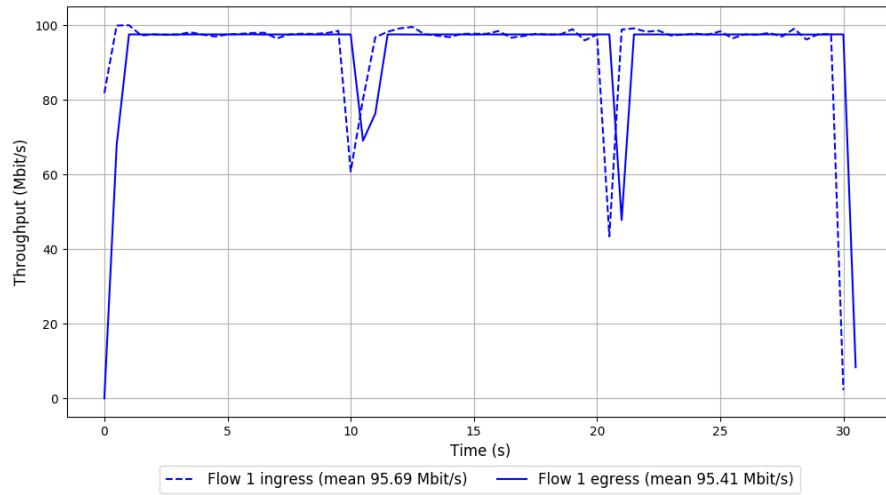
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	95.54	40.00	0.21
Copa	0	N/A	N/A	N/A
TCP Cubic	5	95.97	46.70	0.38
FillP	5	96.24	22.59	0.41
FillP-Sheep	5	56.94	26.60	16.47
Indigo	5	96.86	11.16	0.00
Indigo-MusesC3	5	58.76	11.89	8.03
Indigo-MusesC5	5	96.34	10.11	0.00
Indigo-MusesD	5	95.22	12.01	0.01
Indigo-MusesT	5	96.38	14.13	0.01
LEDBAT	5	78.42	46.99	0.17
Muses_DecisionTree	5	70.58	10.33	5.49
Muses_DecisionTreeH0	5	94.17	14.60	0.01
Muses_DecisionTreeR0	5	90.35	10.90	0.00
PCC-Allegro	5	91.51	13.33	0.28
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	90.51	47.13	0.53
SCReAM	5	0.21	11.85	0.00
Sprout	5	23.35	16.28	3.16
TaoVA-100x	5	9.47	10.78	77.26
TCP Vegas	5	96.09	13.54	0.31
Verus	5	80.14	43.85	19.08
PCC-Vivace	5	84.89	10.51	0.01
WebRTC media	5	0.46	10.06	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-17 17:41:47
End at: 2019-07-17 17:42:17
Local clock offset: 2.54 ms
Remote clock offset: -4.64 ms

# Below is generated by plot.py at 2019-07-17 19:49:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 39.951 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 39.951 ms
Loss rate: 0.22%
```

Run 1: Report of TCP BBR — Data Link

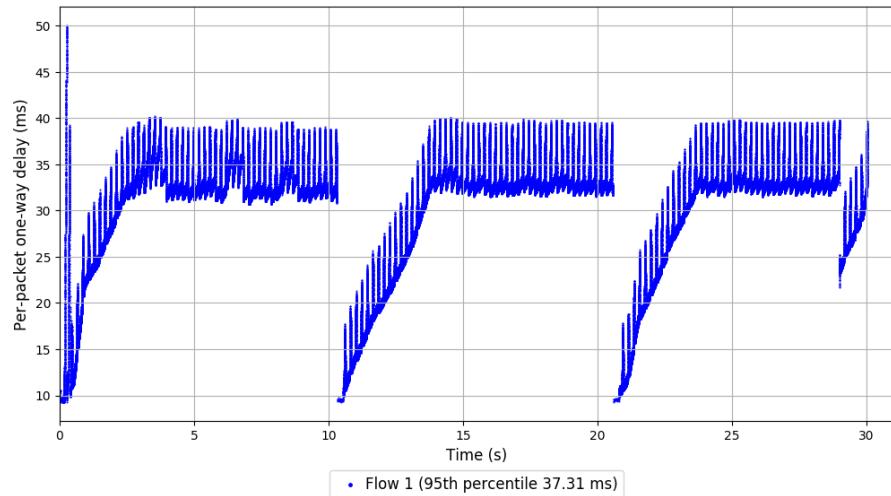
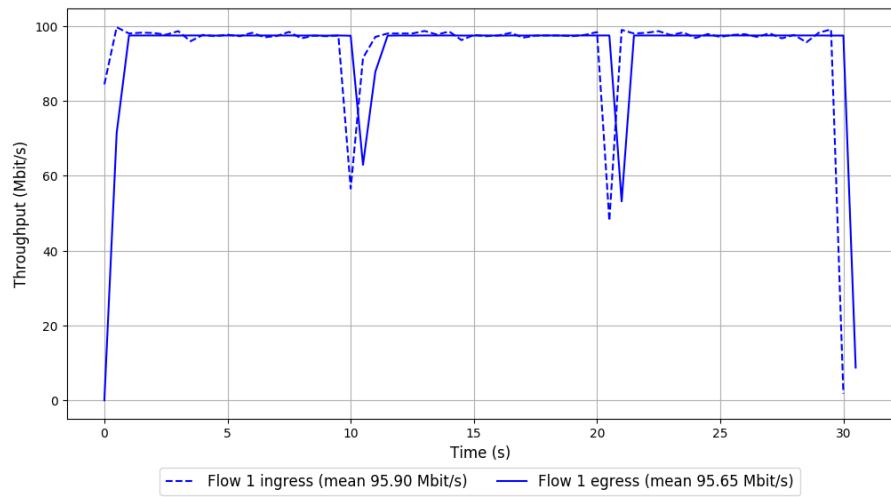


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-17 18:09:55
End at: 2019-07-17 18:10:25
Local clock offset: 0.56 ms
Remote clock offset: -0.606 ms

# Below is generated by plot.py at 2019-07-17 19:49:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 37.307 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 37.307 ms
Loss rate: 0.19%
```

Run 2: Report of TCP BBR — Data Link

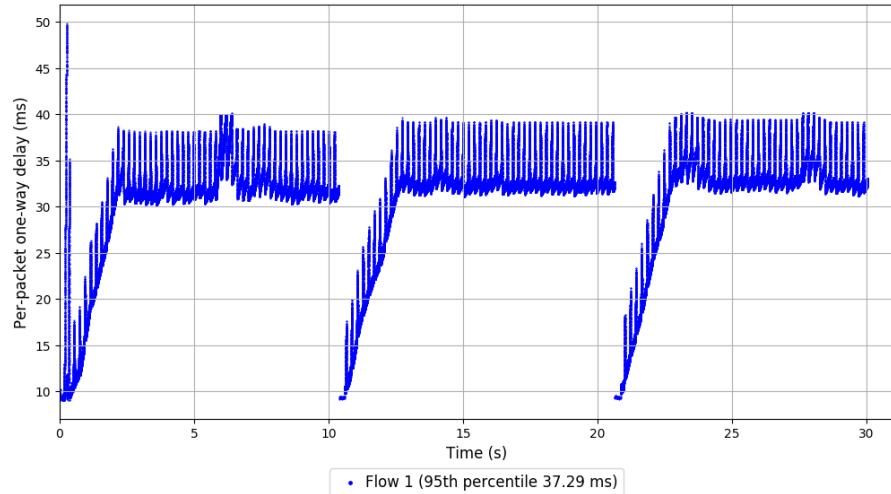
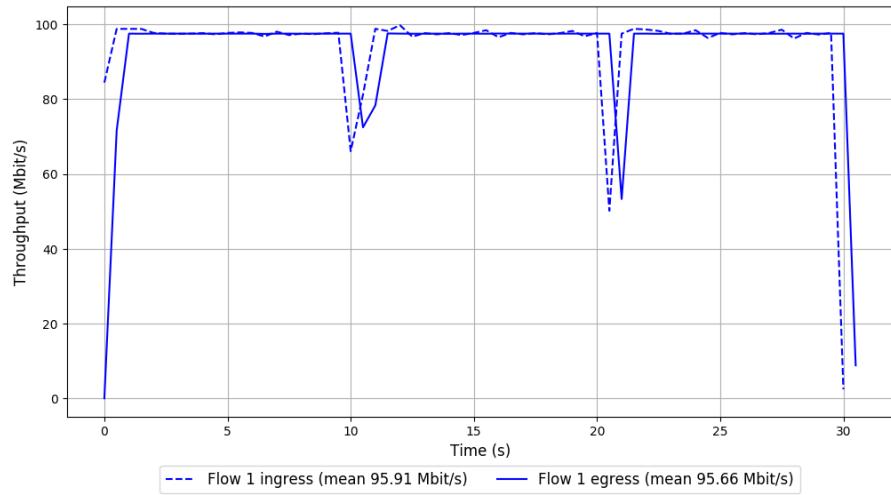


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-17 18:38:24
End at: 2019-07-17 18:38:54
Local clock offset: -0.472 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2019-07-17 19:49:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 37.291 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 37.291 ms
Loss rate: 0.19%
```

Run 3: Report of TCP BBR — Data Link

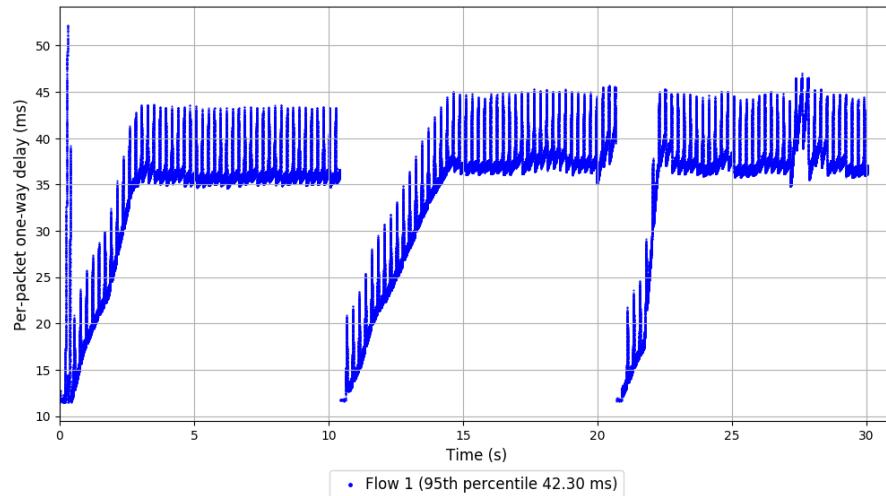
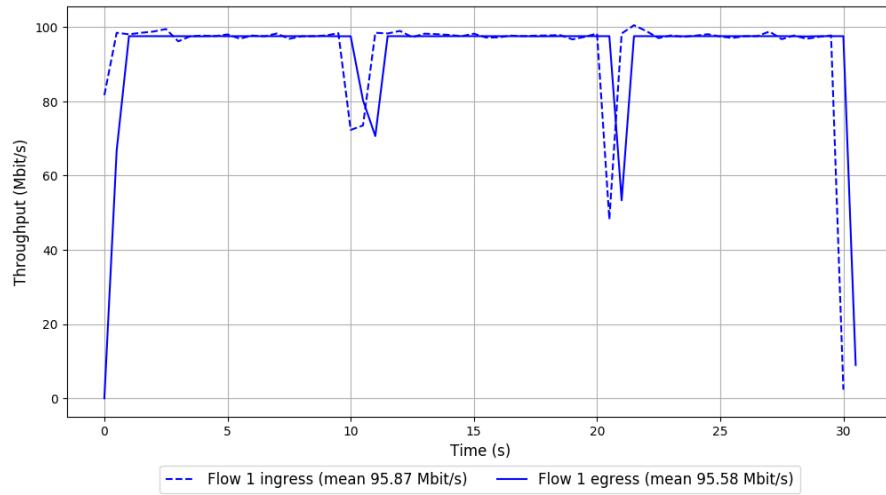


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-17 19:06:22
End at: 2019-07-17 19:06:52
Local clock offset: -2.323 ms
Remote clock offset: -0.719 ms

# Below is generated by plot.py at 2019-07-17 19:49:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 42.300 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 42.300 ms
Loss rate: 0.22%
```

Run 4: Report of TCP BBR — Data Link

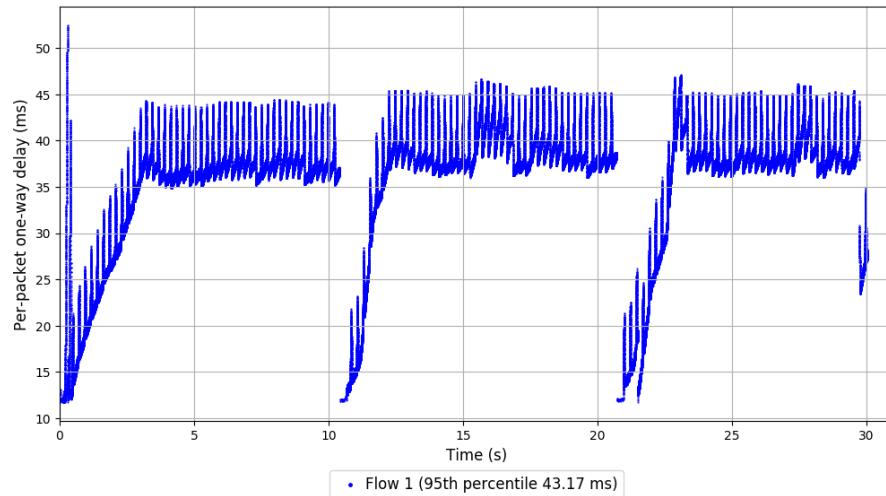
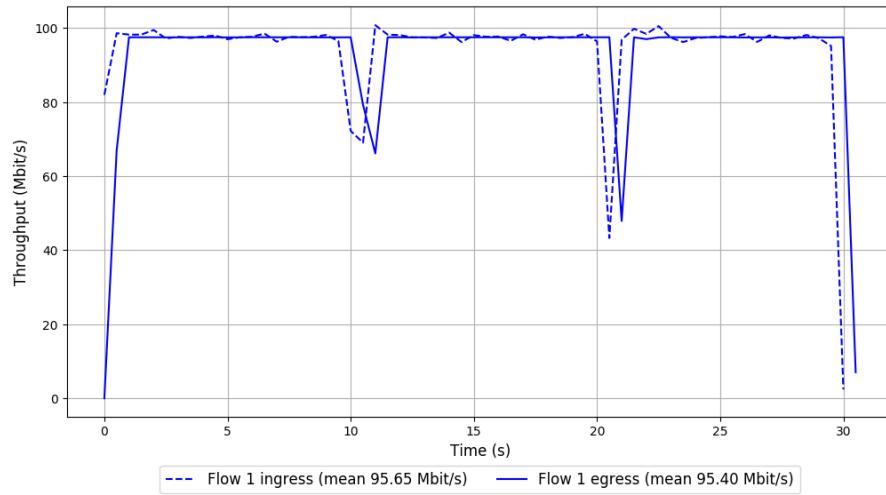


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-17 19:34:39
End at: 2019-07-17 19:35:09
Local clock offset: -2.196 ms
Remote clock offset: -0.65 ms

# Below is generated by plot.py at 2019-07-17 19:49:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 43.171 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 43.171 ms
Loss rate: 0.22%
```

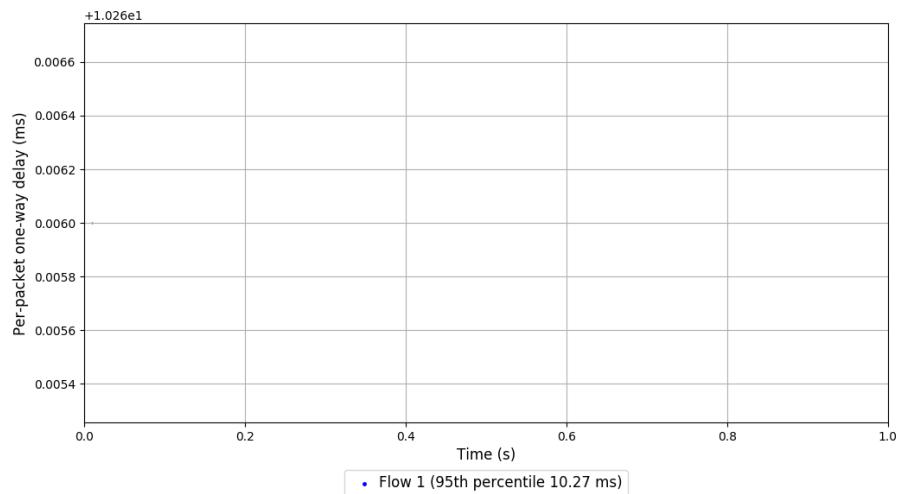
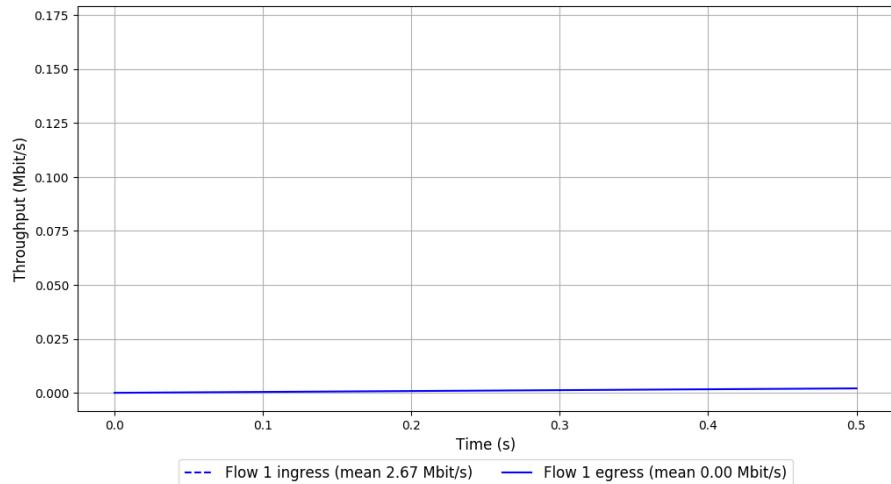
Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-07-17 17:26:32
End at: 2019-07-17 17:27:02
Local clock offset: 5.018 ms
Remote clock offset: -3.437 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

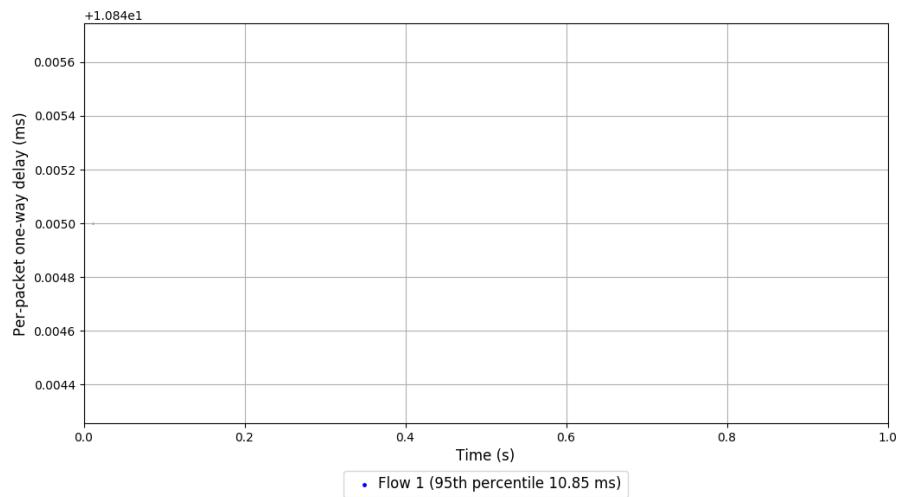
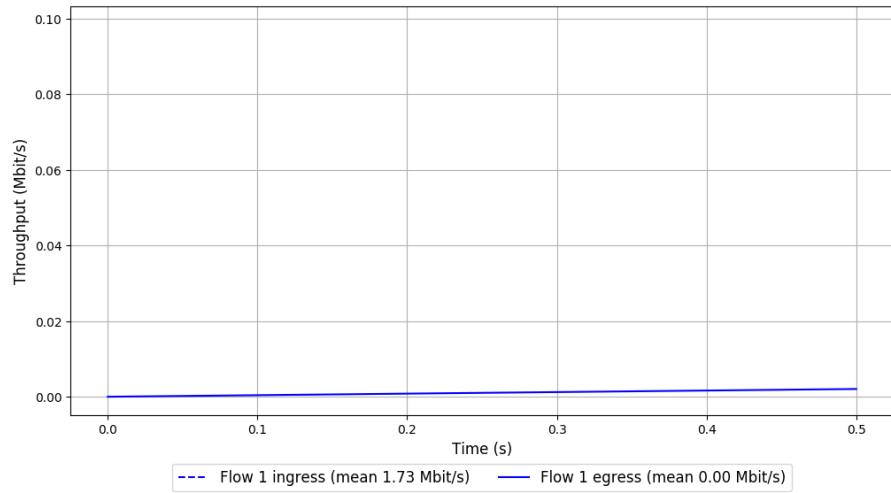
Start at: 2019-07-17 17:54:34

End at: 2019-07-17 17:55:04

Local clock offset: 2.958 ms

Remote clock offset: 0.83 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

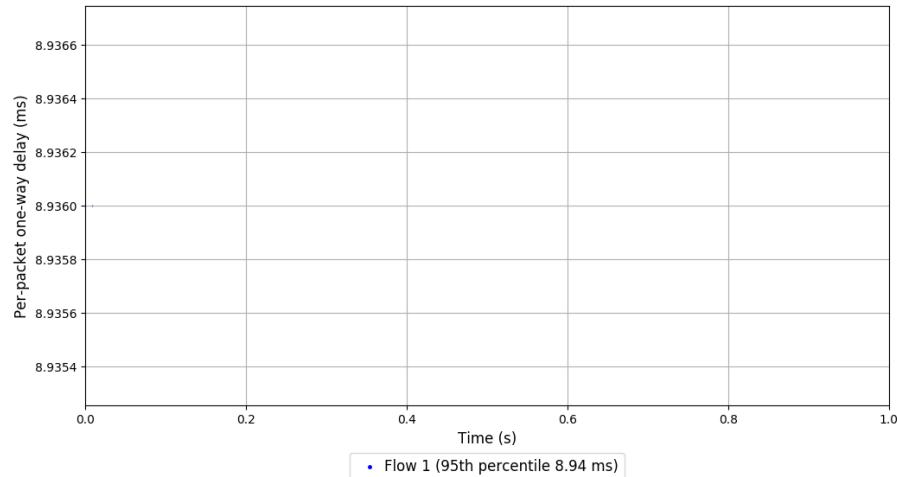
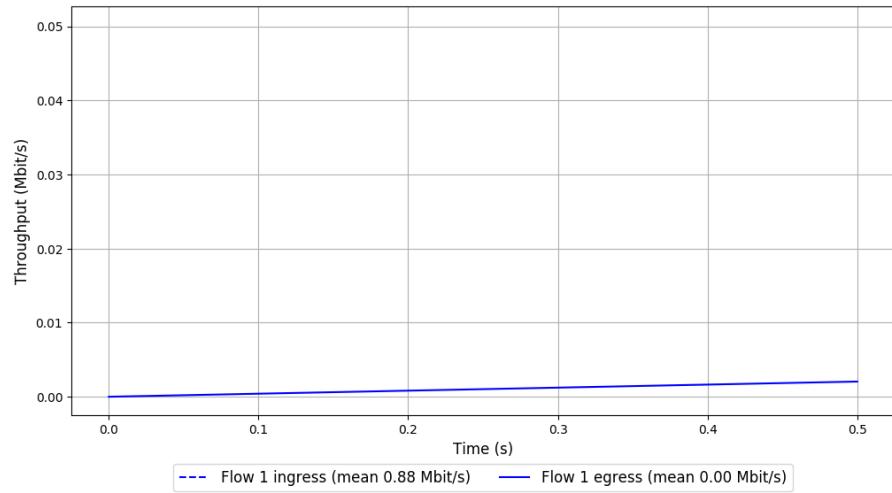
Start at: 2019-07-17 18:23:14

End at: 2019-07-17 18:23:44

Local clock offset: 0.725 ms

Remote clock offset: -0.545 ms

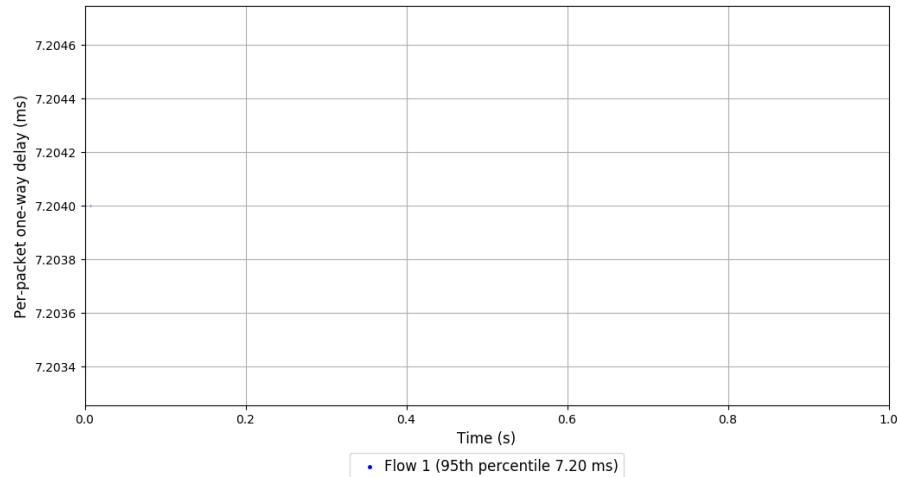
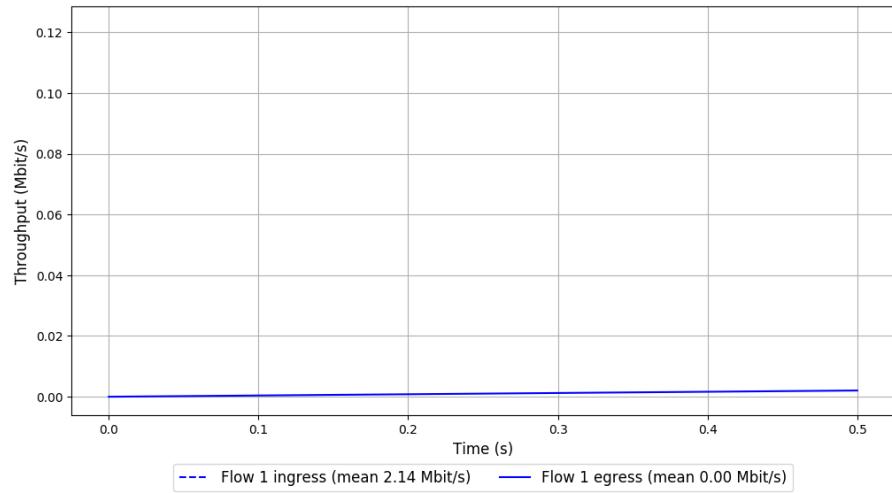
Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-07-17 18:50:59
End at: 2019-07-17 18:51:29
Local clock offset: 0.388 ms
Remote clock offset: -1.748 ms

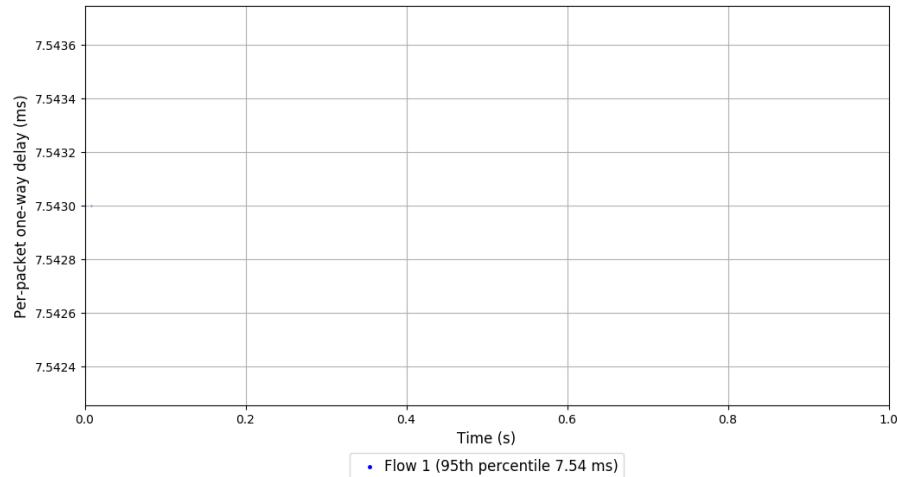
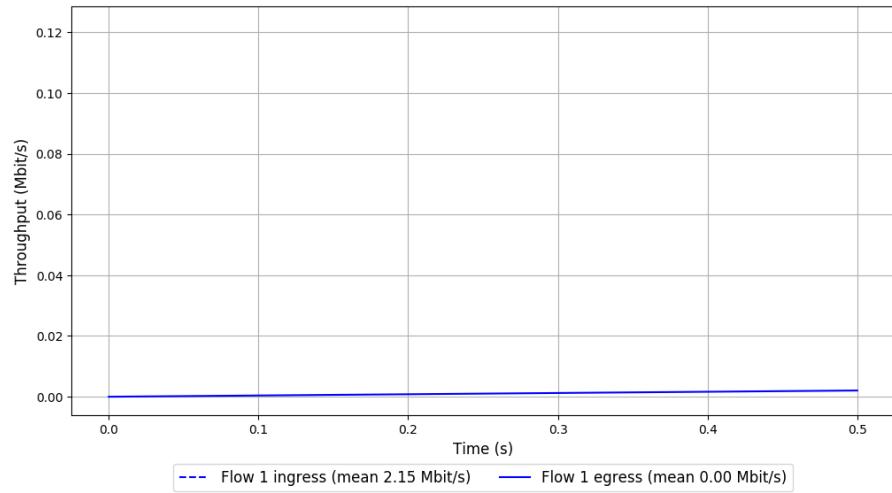
Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-07-17 19:19:27
End at: 2019-07-17 19:19:57
Local clock offset: -2.915 ms
Remote clock offset: -1.639 ms

Run 5: Report of Copa — Data Link

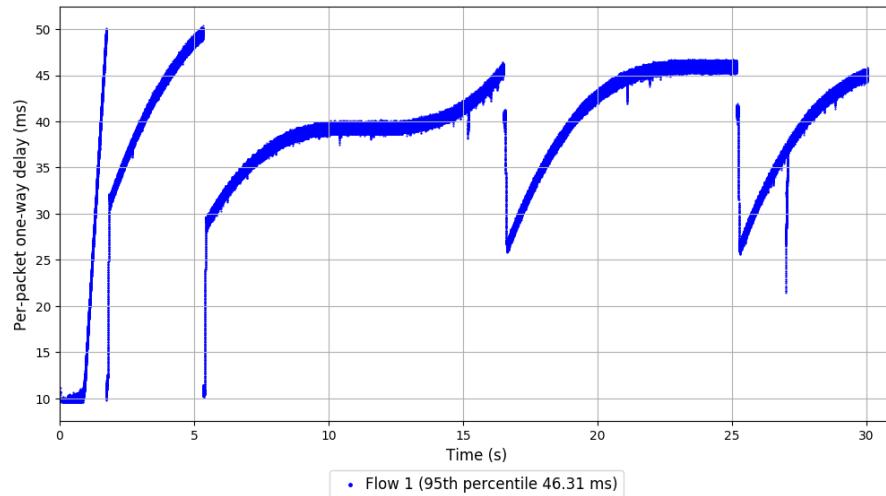
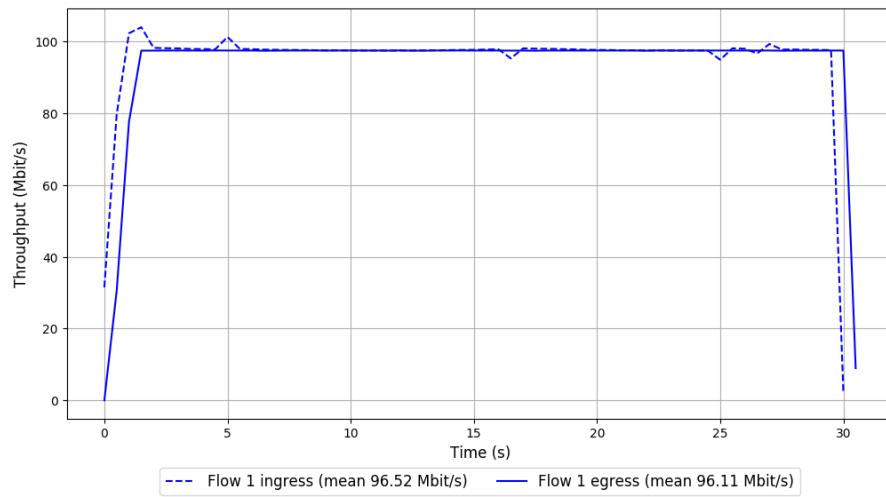


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-17 17:29:55
End at: 2019-07-17 17:30:25
Local clock offset: 3.566 ms
Remote clock offset: -4.095 ms

# Below is generated by plot.py at 2019-07-17 19:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 46.312 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 46.312 ms
Loss rate: 0.34%
```

Run 1: Report of TCP Cubic — Data Link

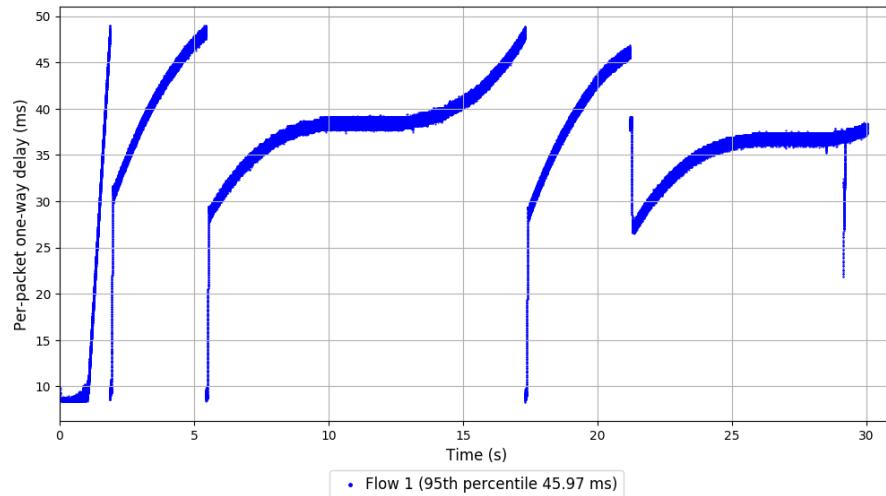
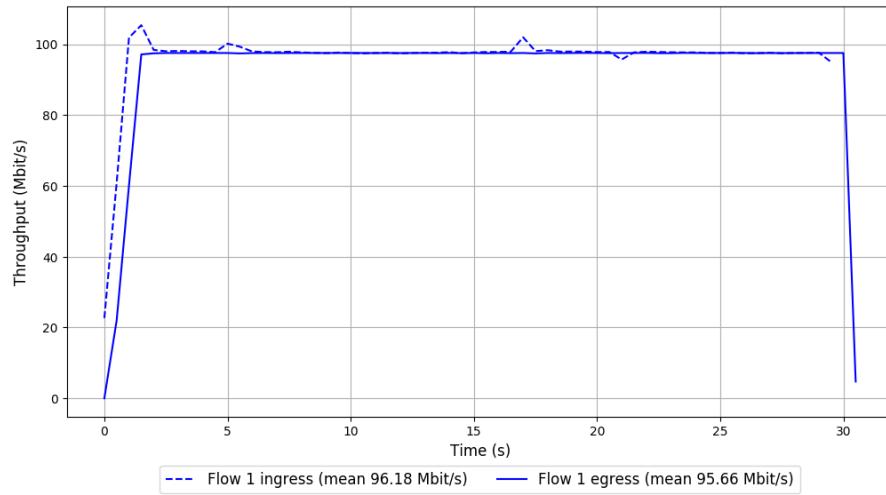


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-17 17:58:04
End at: 2019-07-17 17:58:34
Local clock offset: 2.936 ms
Remote clock offset: -0.663 ms

# Below is generated by plot.py at 2019-07-17 19:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 45.971 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 45.971 ms
Loss rate: 0.44%
```

Run 2: Report of TCP Cubic — Data Link

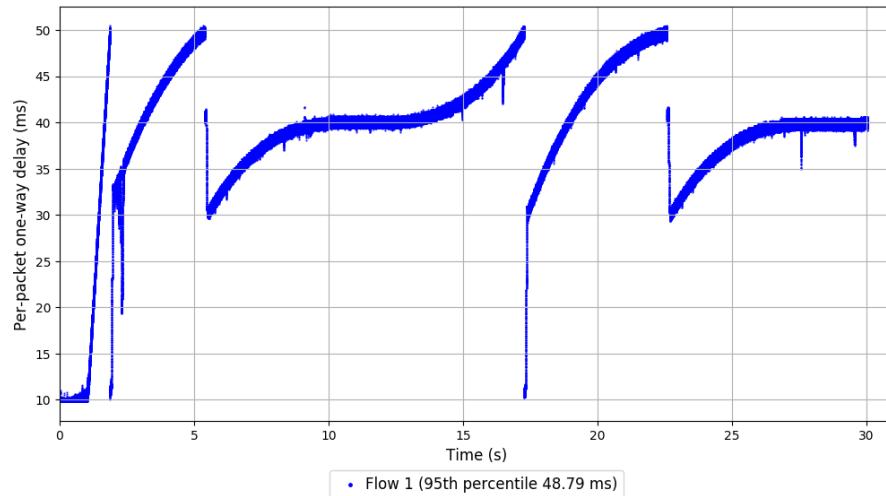
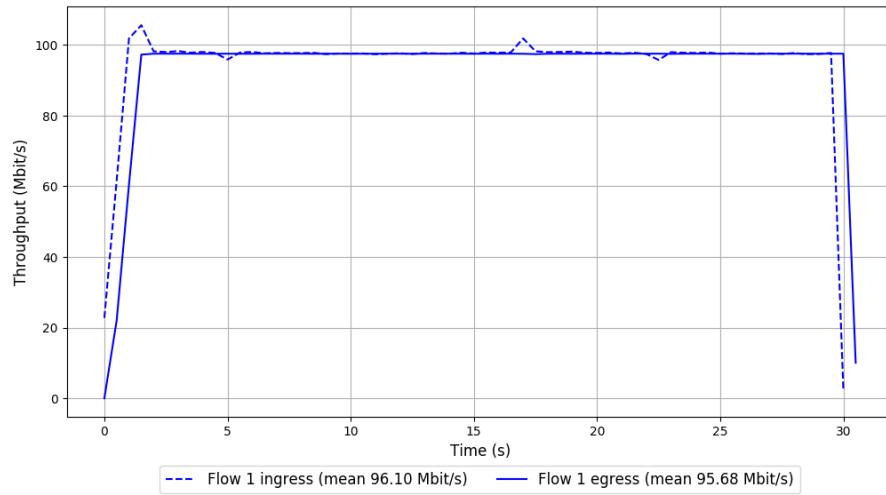


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-17 18:26:43
End at: 2019-07-17 18:27:13
Local clock offset: 0.581 ms
Remote clock offset: 0.621 ms

# Below is generated by plot.py at 2019-07-17 19:49:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 48.793 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 48.793 ms
Loss rate: 0.33%
```

Run 3: Report of TCP Cubic — Data Link

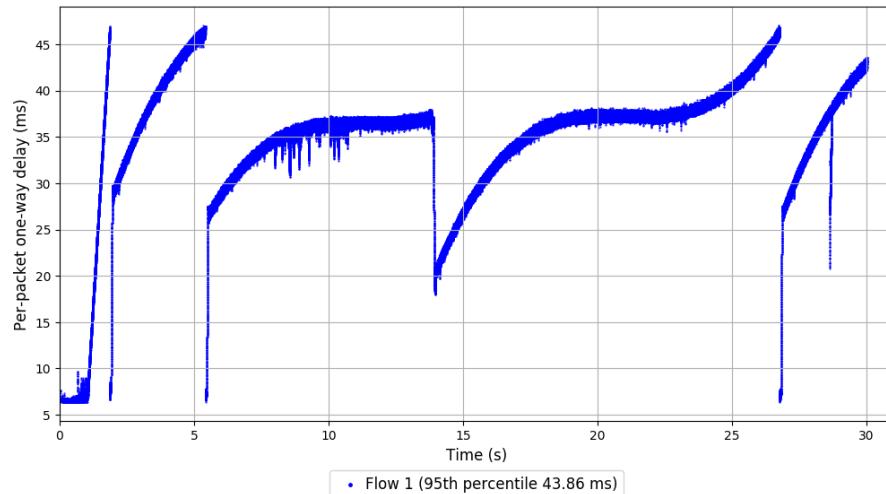
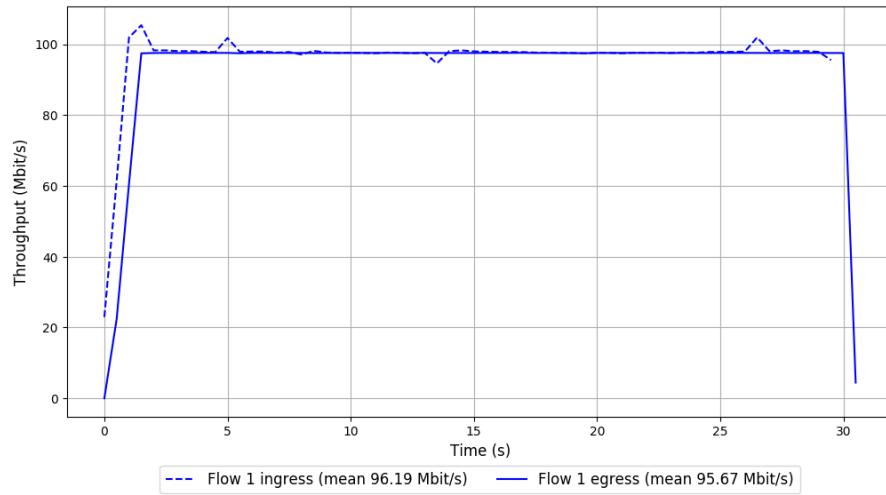


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-17 18:54:28
End at: 2019-07-17 18:54:58
Local clock offset: 0.456 ms
Remote clock offset: -2.27 ms

# Below is generated by plot.py at 2019-07-17 19:50:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 43.857 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 43.857 ms
Loss rate: 0.44%
```

Run 4: Report of TCP Cubic — Data Link

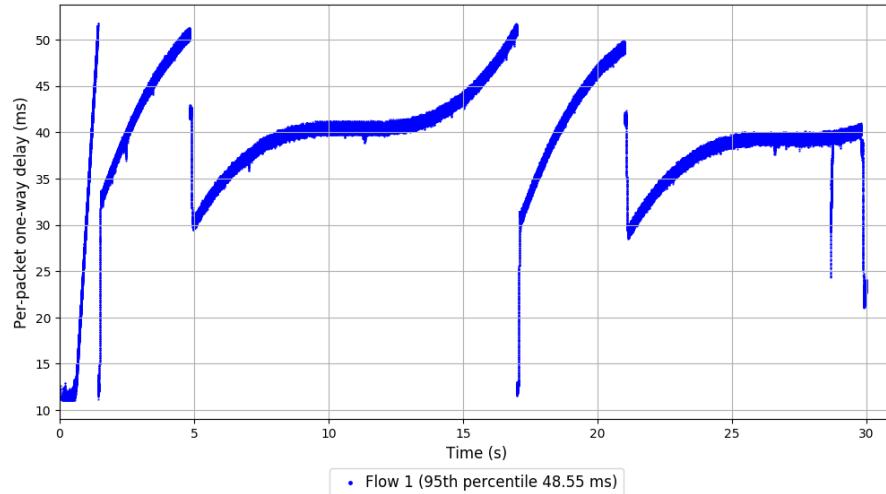
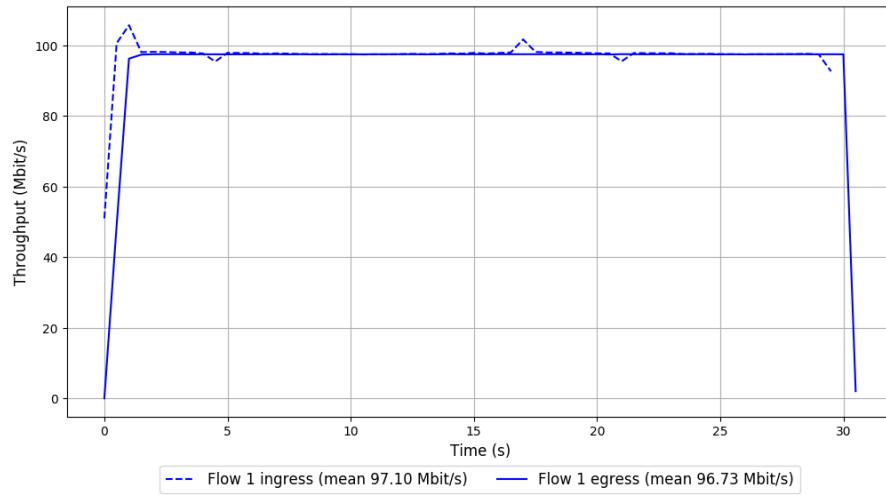


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-17 19:22:53
End at: 2019-07-17 19:23:23
Local clock offset: -3.049 ms
Remote clock offset: -1.333 ms

# Below is generated by plot.py at 2019-07-17 19:50:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 48.547 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 48.547 ms
Loss rate: 0.34%
```

Run 5: Report of TCP Cubic — Data Link

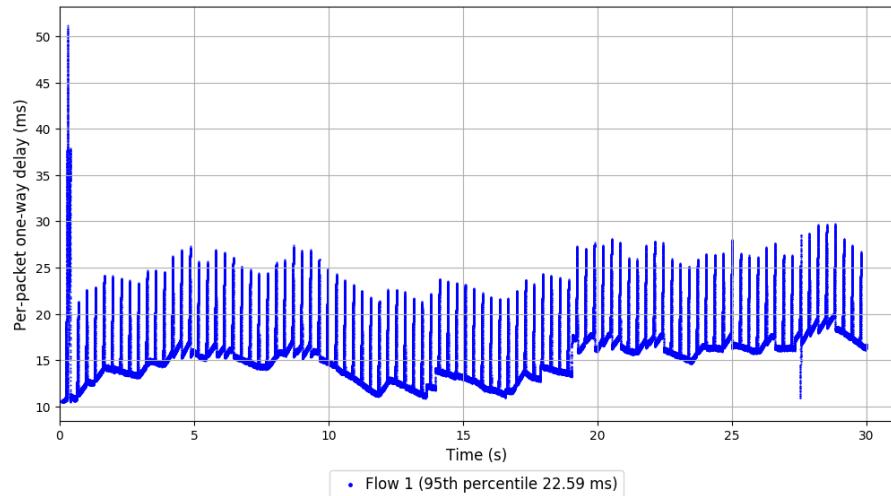
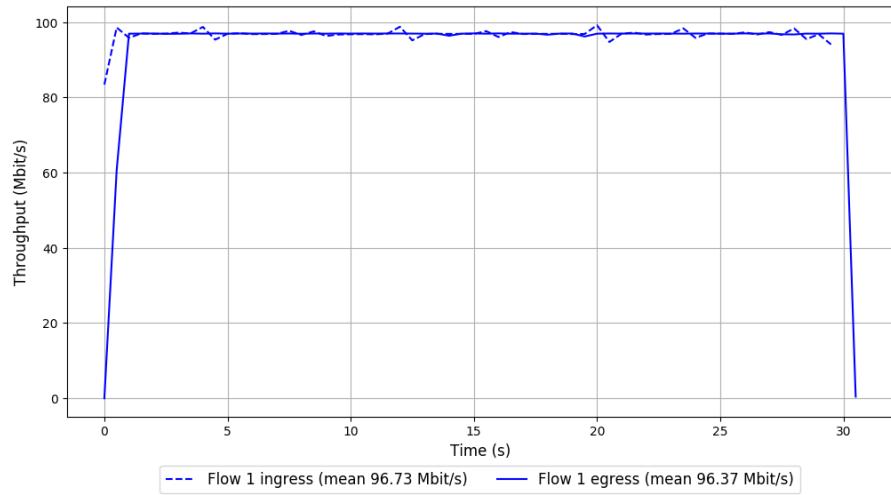


```
Run 1: Statistics of FillP
```

```
Start at: 2019-07-17 17:51:05
End at: 2019-07-17 17:51:35
Local clock offset: 2.118 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-07-17 19:51:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 22.594 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 22.594 ms
Loss rate: 0.36%
```

Run 1: Report of FillP — Data Link

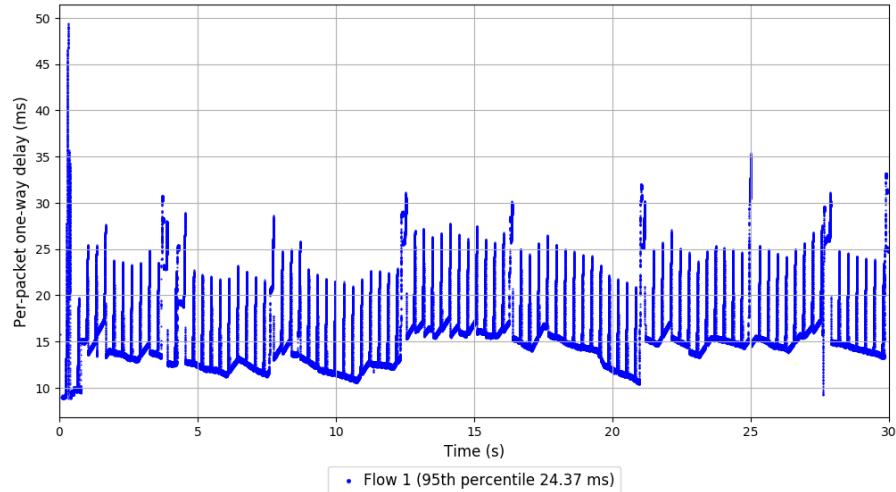
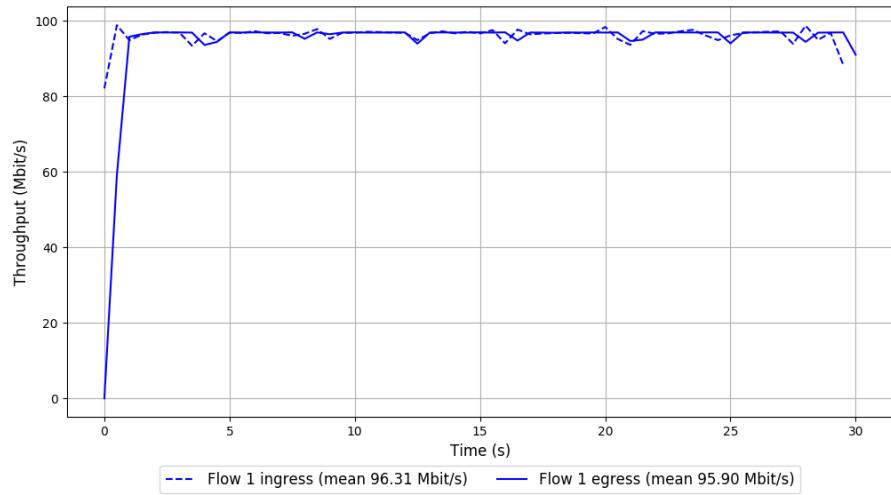


Run 2: Statistics of FillP

```
Start at: 2019-07-17 18:19:40
End at: 2019-07-17 18:20:10
Local clock offset: 1.355 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2019-07-17 19:51:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 24.373 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 24.373 ms
Loss rate: 0.37%
```

Run 2: Report of FillP — Data Link

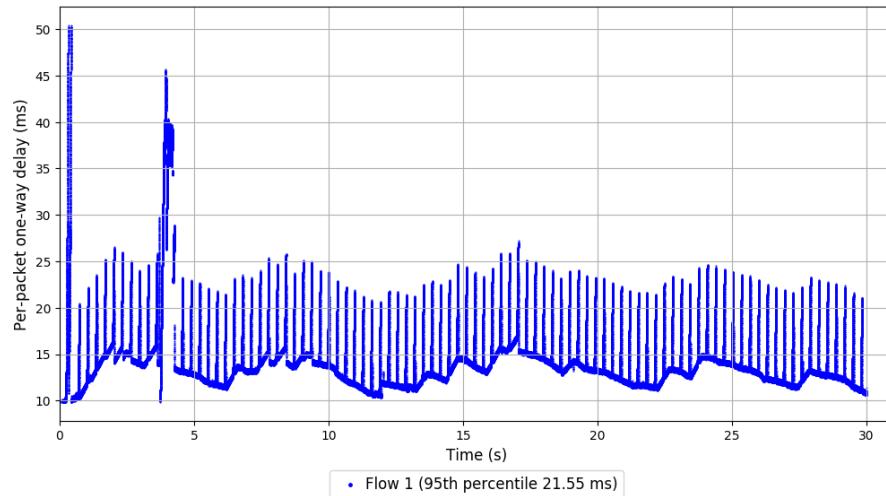
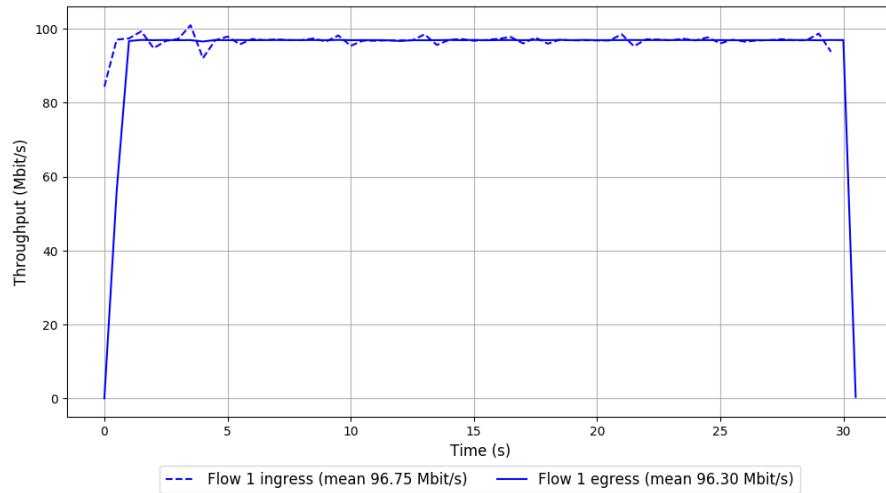


Run 3: Statistics of FillP

```
Start at: 2019-07-17 18:47:36
End at: 2019-07-17 18:48:06
Local clock offset: 0.258 ms
Remote clock offset: -2.227 ms

# Below is generated by plot.py at 2019-07-17 19:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 21.548 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 21.548 ms
Loss rate: 0.46%
```

Run 3: Report of FillP — Data Link

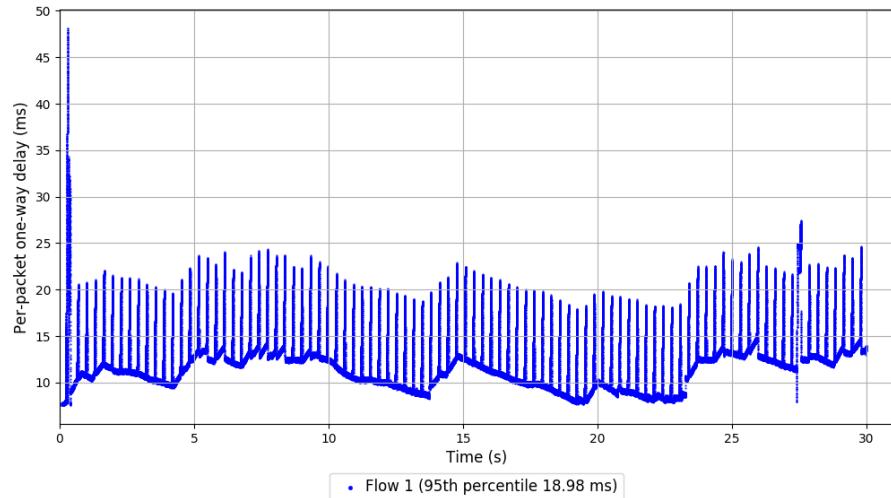
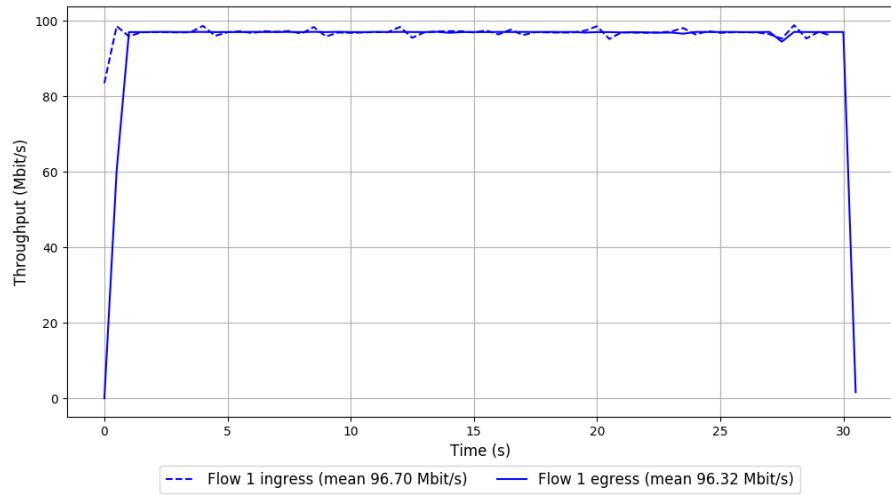


Run 4: Statistics of FillP

```
Start at: 2019-07-17 19:15:54
End at: 2019-07-17 19:16:24
Local clock offset: -2.564 ms
Remote clock offset: -1.039 ms

# Below is generated by plot.py at 2019-07-17 19:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 18.979 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 18.979 ms
Loss rate: 0.37%
```

Run 4: Report of FillP — Data Link

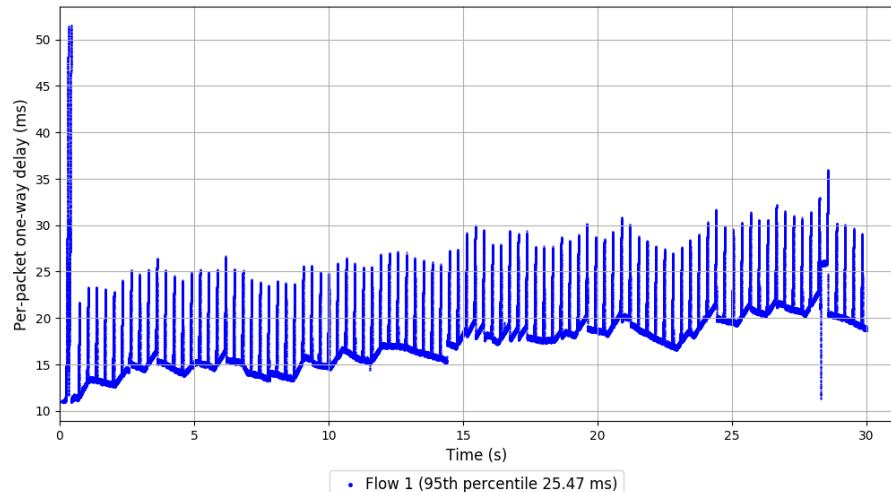
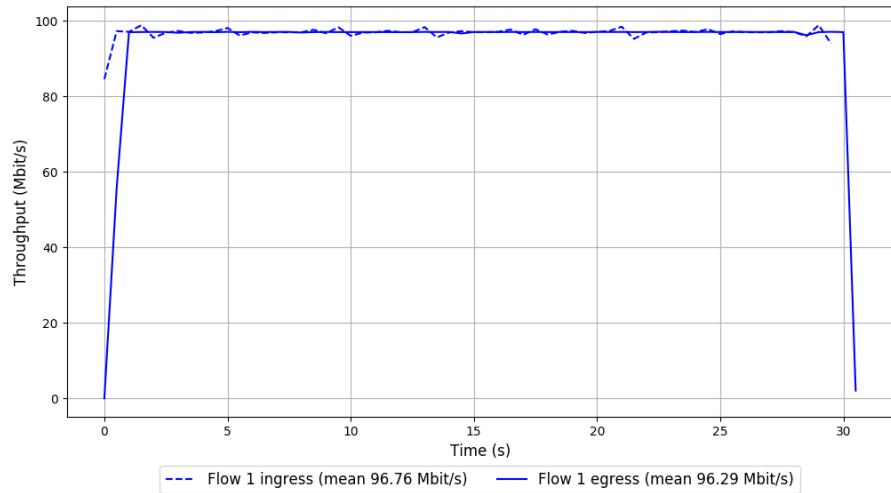


Run 5: Statistics of FillP

```
Start at: 2019-07-17 19:43:58
End at: 2019-07-17 19:44:28
Local clock offset: -1.243 ms
Remote clock offset: -0.532 ms

# Below is generated by plot.py at 2019-07-17 19:51:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 25.471 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 25.471 ms
Loss rate: 0.47%
```

Run 5: Report of FillP — Data Link

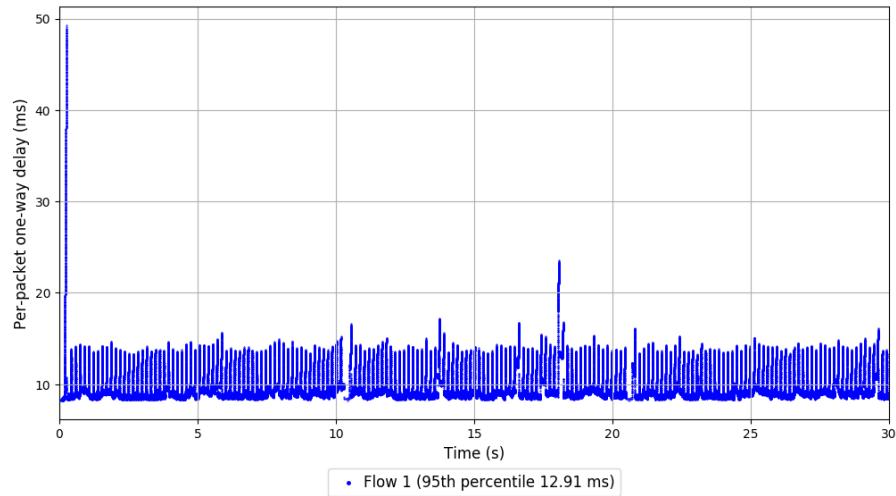
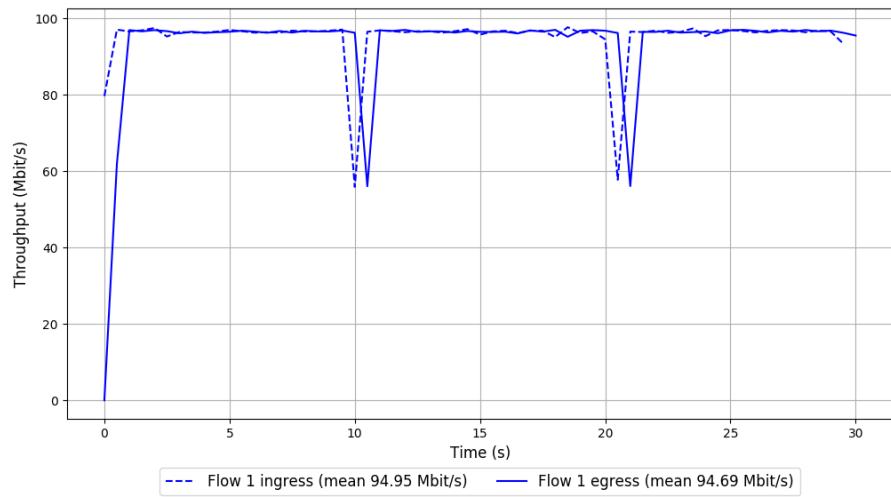


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-07-17 17:53:23
End at: 2019-07-17 17:53:53
Local clock offset: 4.234 ms
Remote clock offset: -0.351 ms

# Below is generated by plot.py at 2019-07-17 19:51:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 12.907 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 12.907 ms
Loss rate: 0.28%
```

Run 1: Report of FillP-Sheep — Data Link

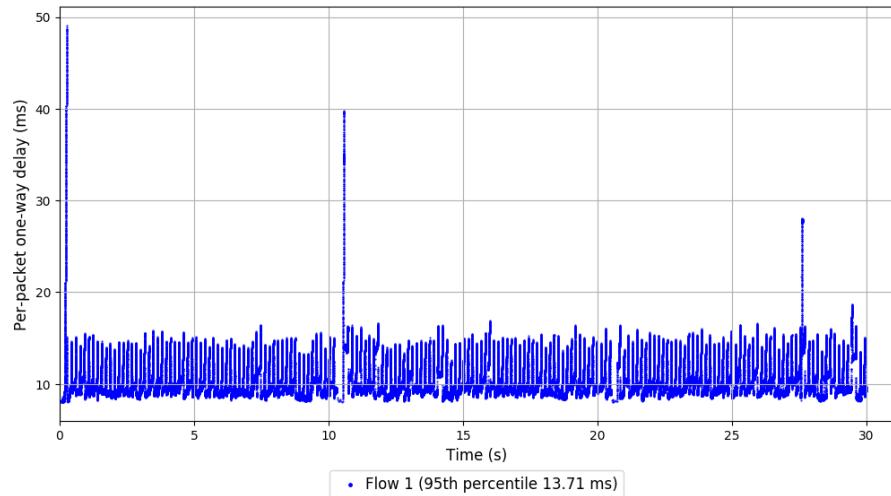
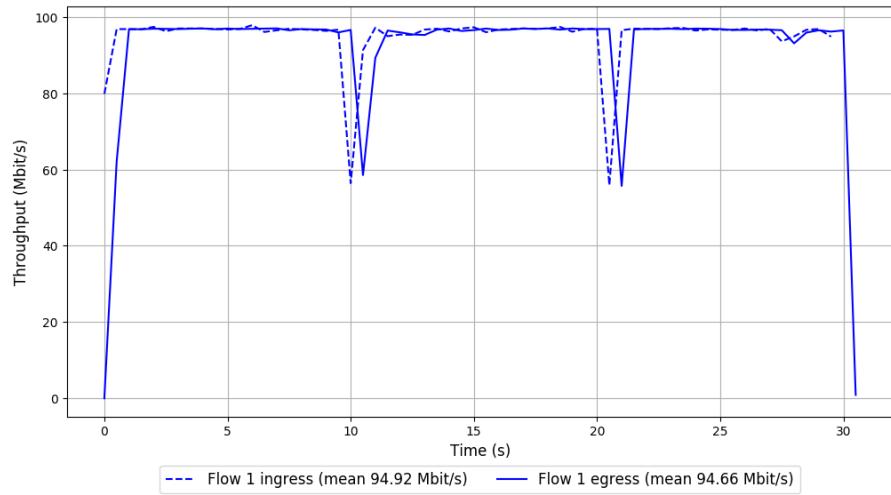


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-17 18:22:04
End at: 2019-07-17 18:22:34
Local clock offset: 2.033 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-07-17 19:52:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 13.712 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 13.712 ms
Loss rate: 0.28%
```

Run 2: Report of FillP-Sheep — Data Link

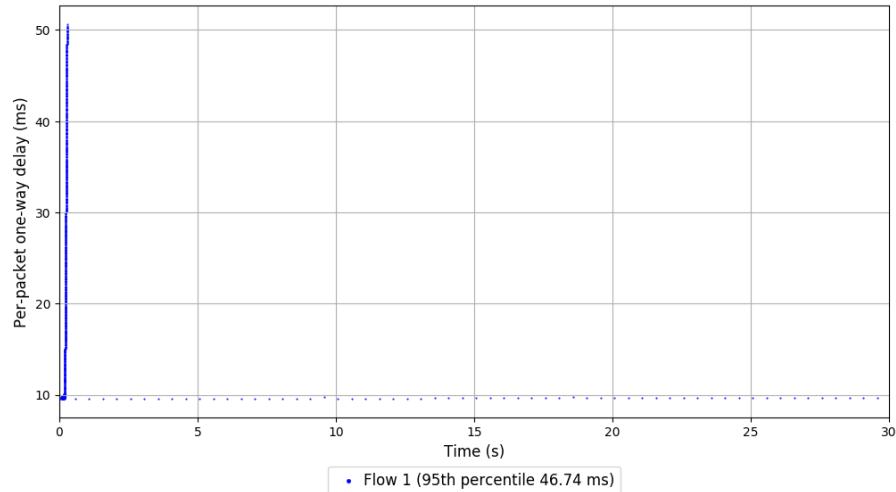
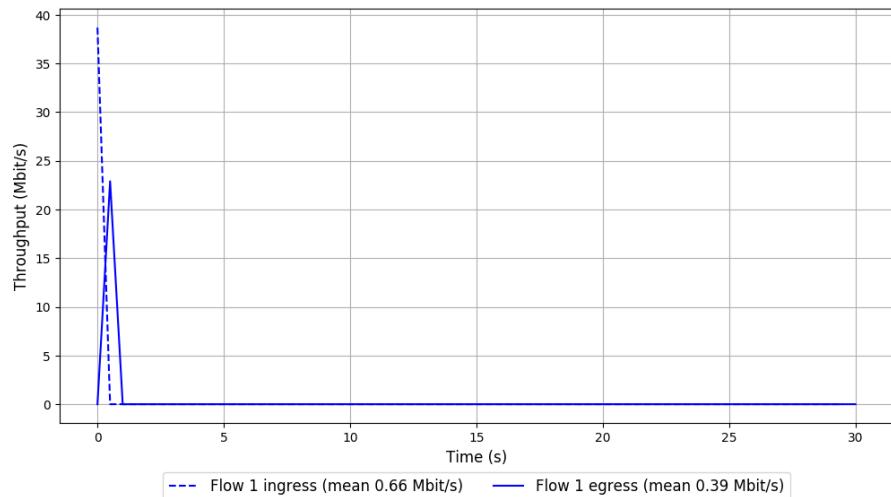


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-17 18:49:53
End at: 2019-07-17 18:50:23
Local clock offset: 0.102 ms
Remote clock offset: -2.44 ms

# Below is generated by plot.py at 2019-07-17 19:52:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 46.742 ms
Loss rate: 40.68%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 46.742 ms
Loss rate: 40.68%
```

Run 3: Report of FillP-Sheep — Data Link

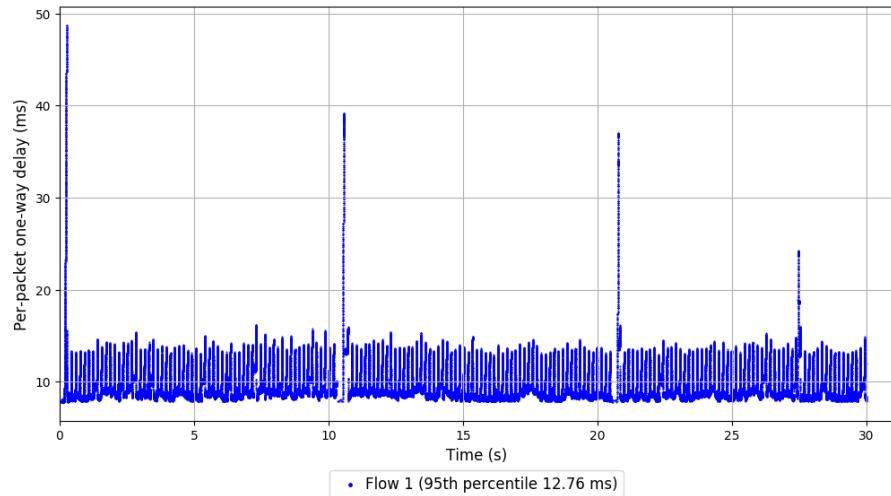
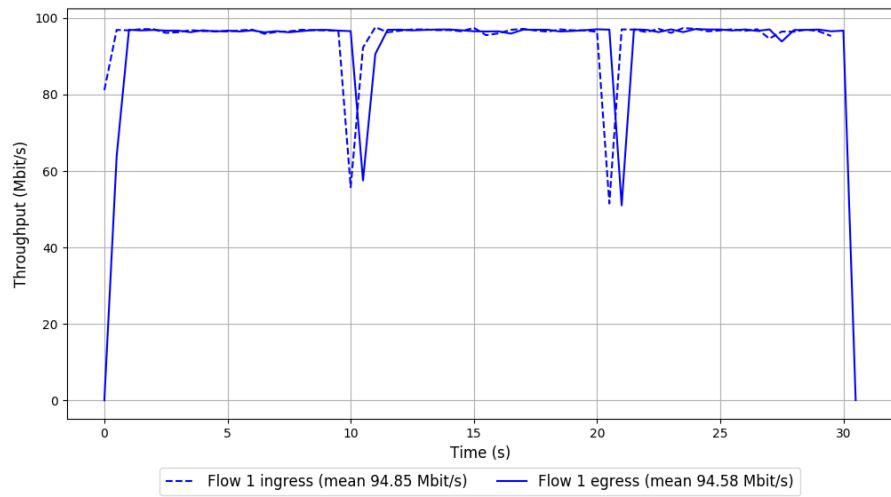


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-17 19:18:18
End at: 2019-07-17 19:18:48
Local clock offset: -3.134 ms
Remote clock offset: -1.352 ms

# Below is generated by plot.py at 2019-07-17 19:52:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 12.756 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 12.756 ms
Loss rate: 0.28%
```

Run 4: Report of FillP-Sheep — Data Link

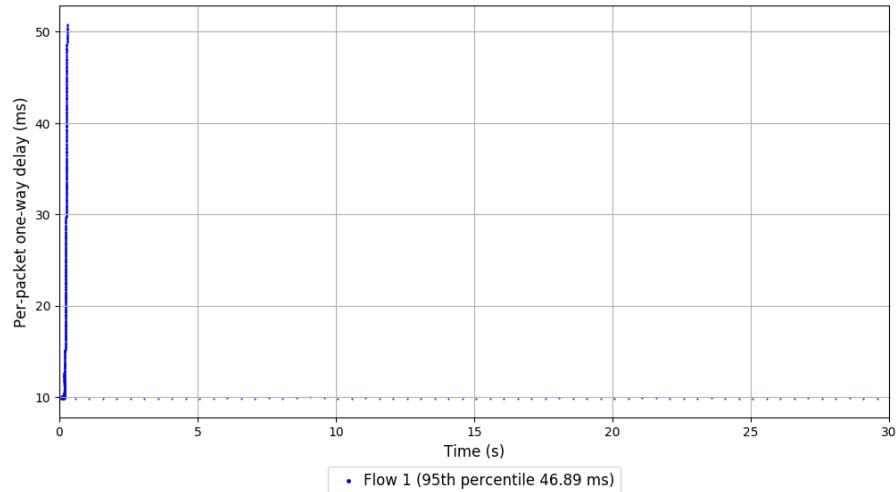
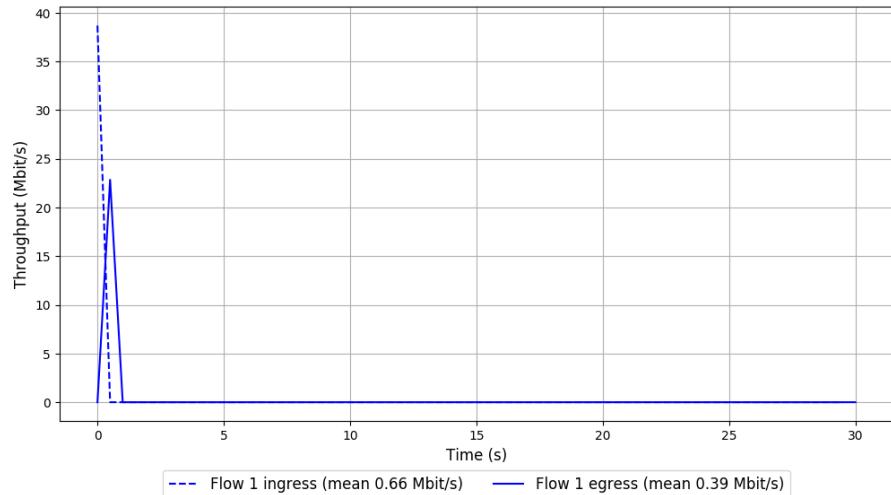


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-17 19:46:21
End at: 2019-07-17 19:46:51
Local clock offset: -2.28 ms
Remote clock offset: -2.793 ms

# Below is generated by plot.py at 2019-07-17 19:52:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 46.889 ms
Loss rate: 40.81%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 46.889 ms
Loss rate: 40.81%
```

Run 5: Report of FillP-Sheep — Data Link

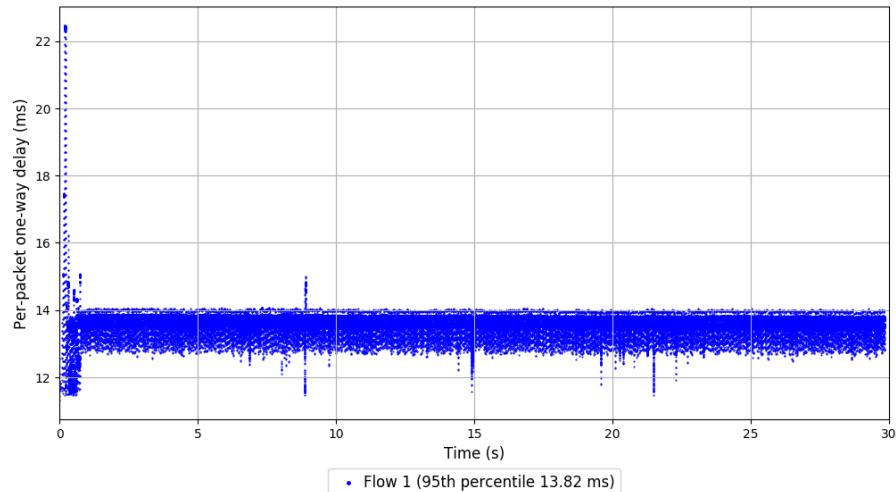
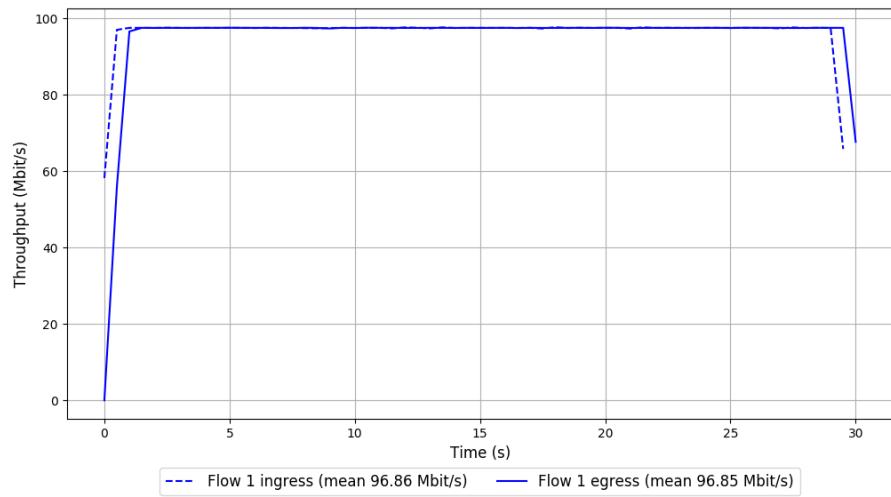


Run 1: Statistics of Indigo

```
Start at: 2019-07-17 17:34:43
End at: 2019-07-17 17:35:13
Local clock offset: 2.233 ms
Remote clock offset: -2.693 ms

# Below is generated by plot.py at 2019-07-17 19:52:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link

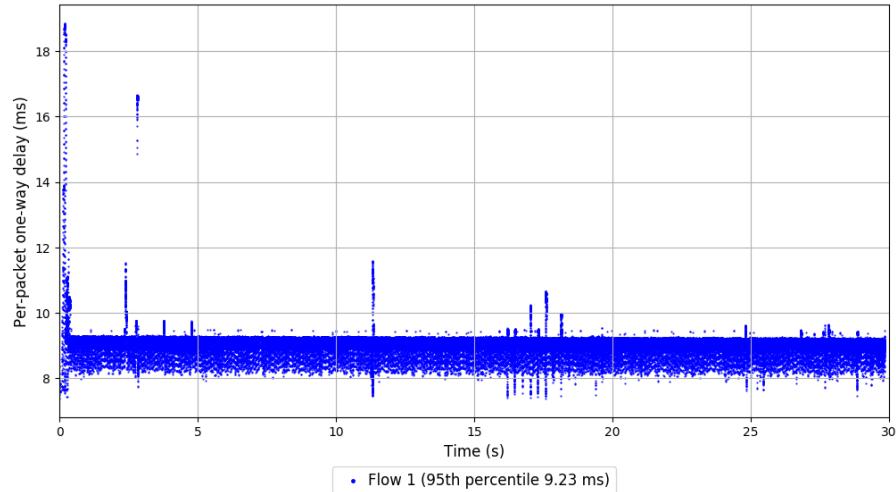
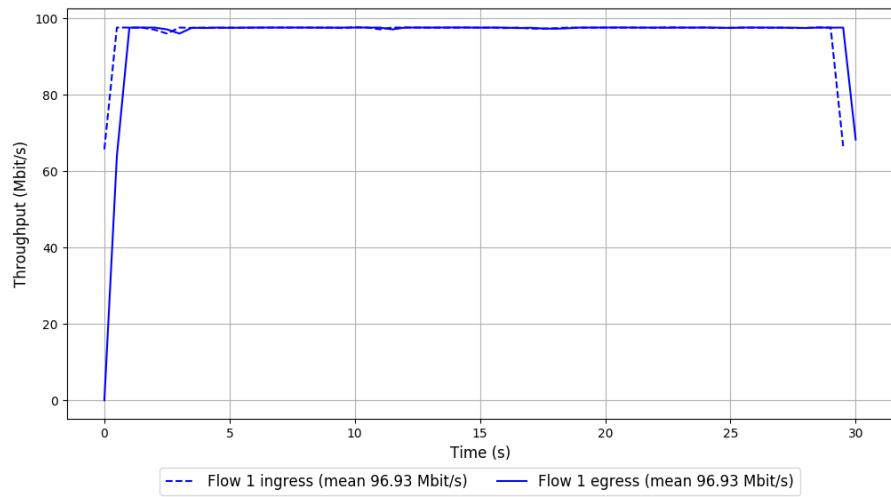


Run 2: Statistics of Indigo

```
Start at: 2019-07-17 18:02:41
End at: 2019-07-17 18:03:11
Local clock offset: 1.621 ms
Remote clock offset: -1.988 ms

# Below is generated by plot.py at 2019-07-17 19:52:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 9.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 9.235 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

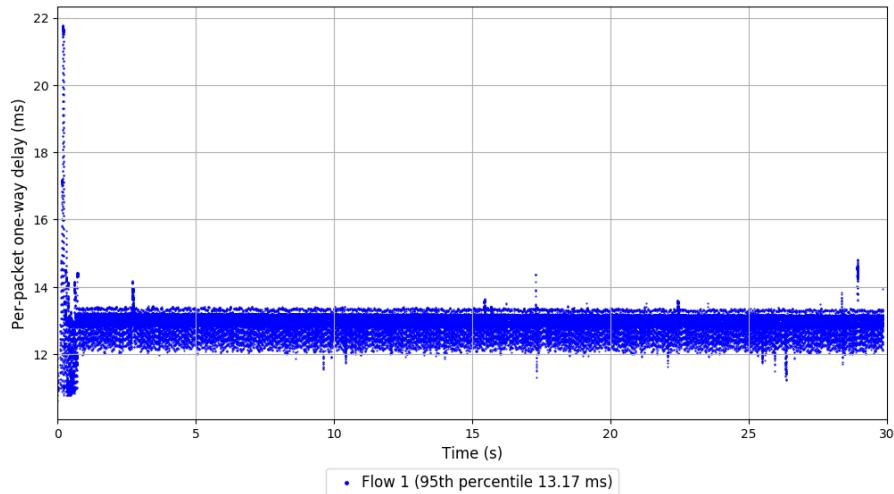
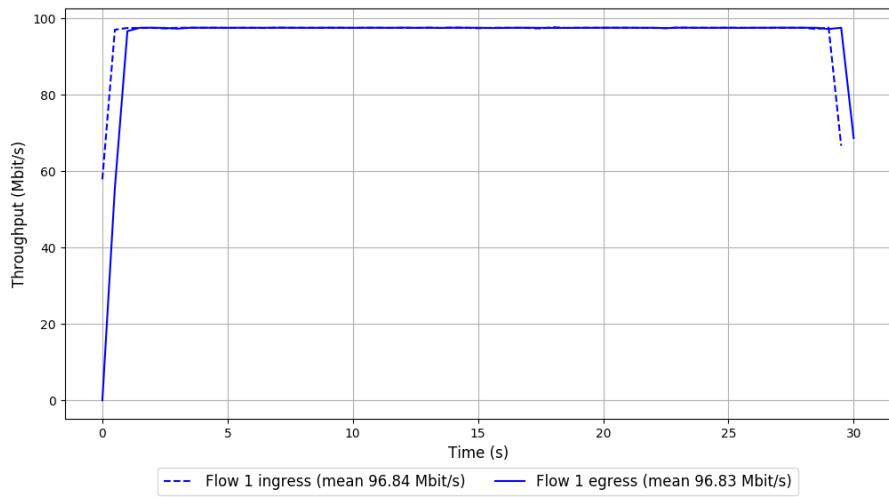


Run 3: Statistics of Indigo

```
Start at: 2019-07-17 18:31:22
End at: 2019-07-17 18:31:52
Local clock offset: 0.017 ms
Remote clock offset: -1.505 ms

# Below is generated by plot.py at 2019-07-17 19:52:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 13.172 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 13.172 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo — Data Link

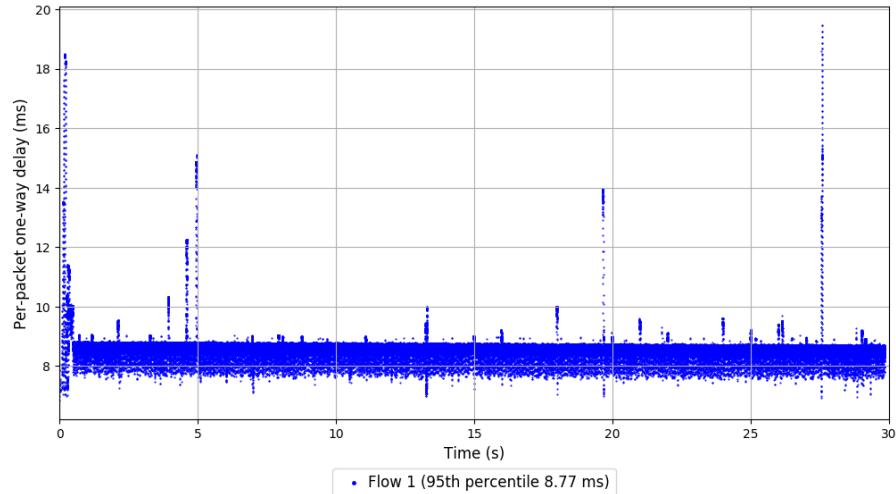
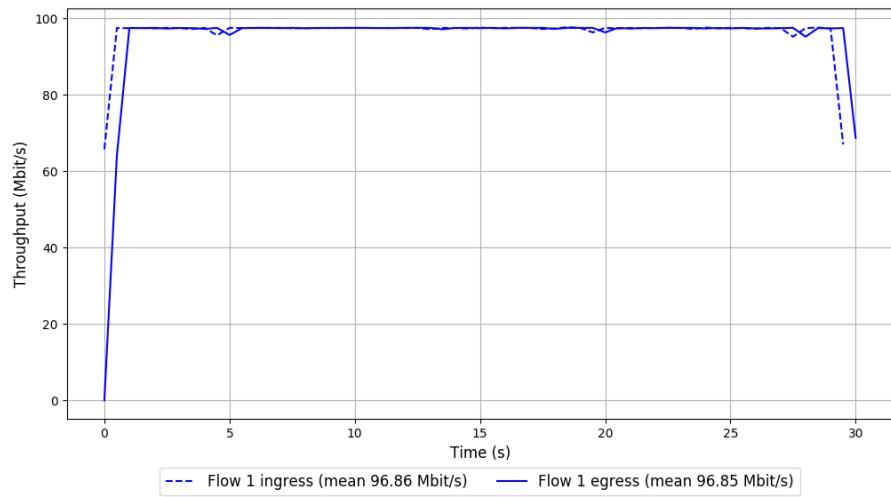


Run 4: Statistics of Indigo

```
Start at: 2019-07-17 18:59:10
End at: 2019-07-17 18:59:40
Local clock offset: -0.753 ms
Remote clock offset: -1.798 ms

# Below is generated by plot.py at 2019-07-17 19:52:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 8.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 8.772 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

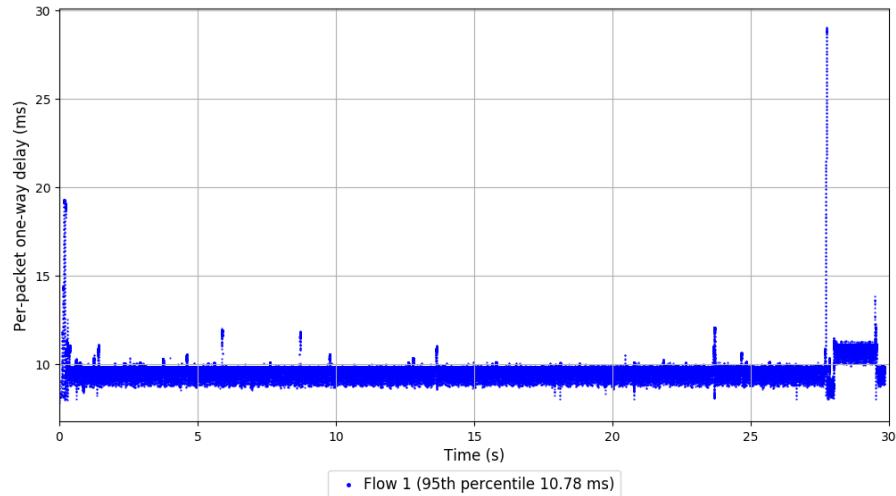
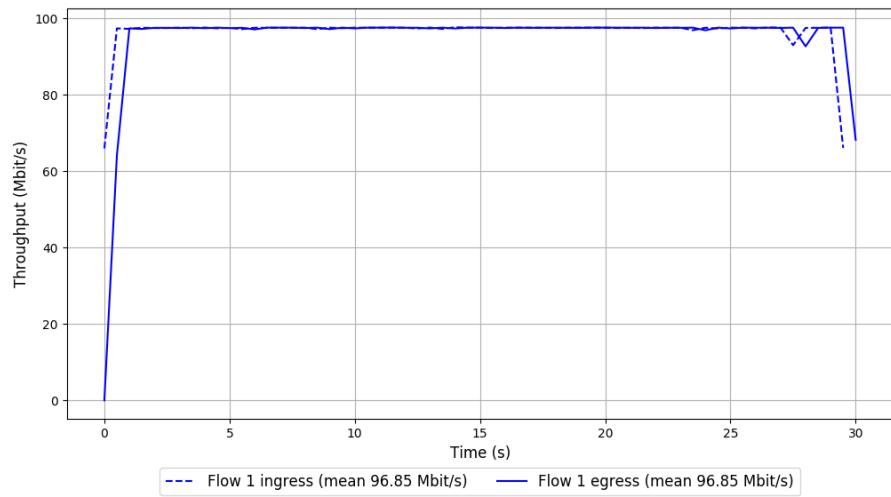


Run 5: Statistics of Indigo

```
Start at: 2019-07-17 19:27:31
End at: 2019-07-17 19:28:01
Local clock offset: -3.39 ms
Remote clock offset: -2.041 ms

# Below is generated by plot.py at 2019-07-17 19:52:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 10.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 10.784 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

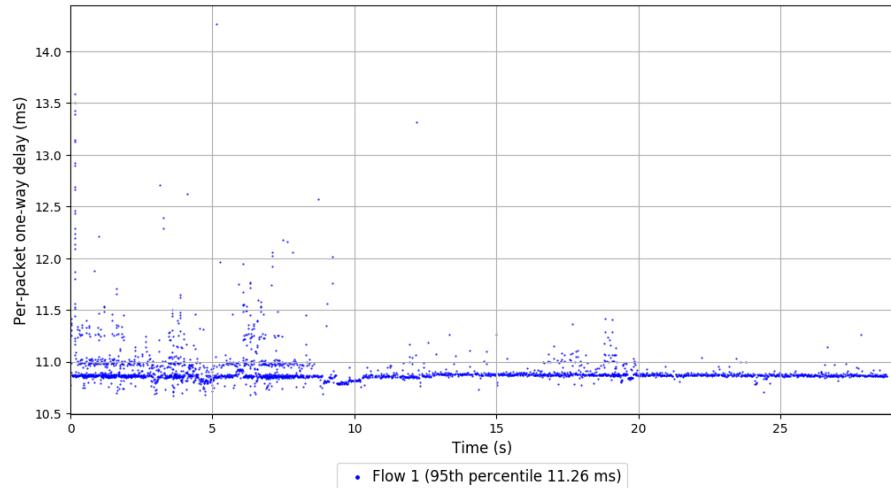
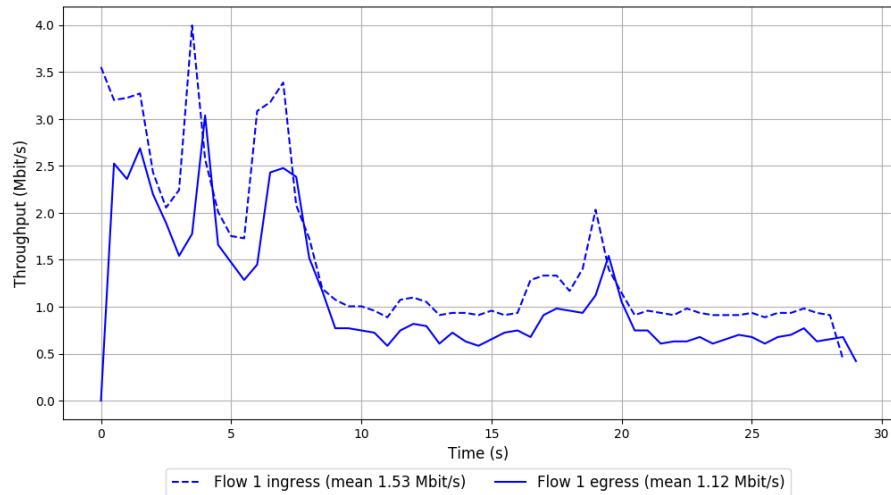


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 17:37:11
End at: 2019-07-17 17:37:41
Local clock offset: 3.199 ms
Remote clock offset: -2.441 ms

# Below is generated by plot.py at 2019-07-17 19:52:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 11.261 ms
Loss rate: 26.52%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 11.261 ms
Loss rate: 26.52%
```

Run 1: Report of Indigo-MusesC3 — Data Link

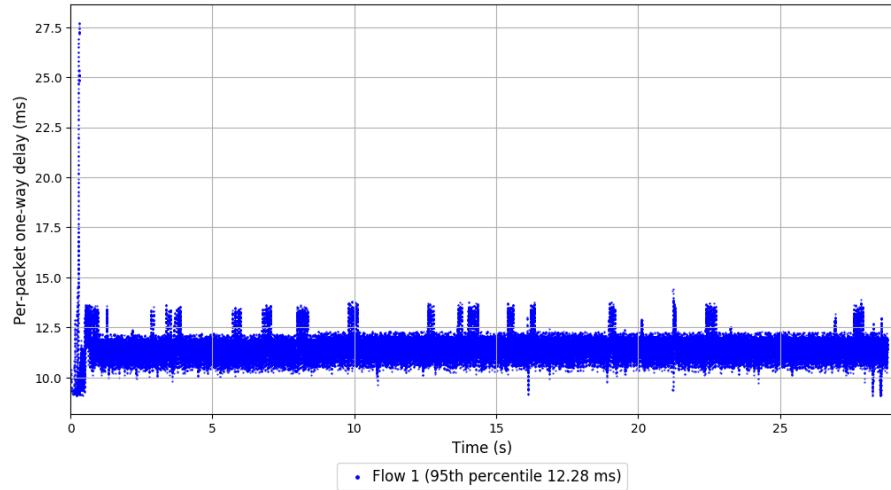
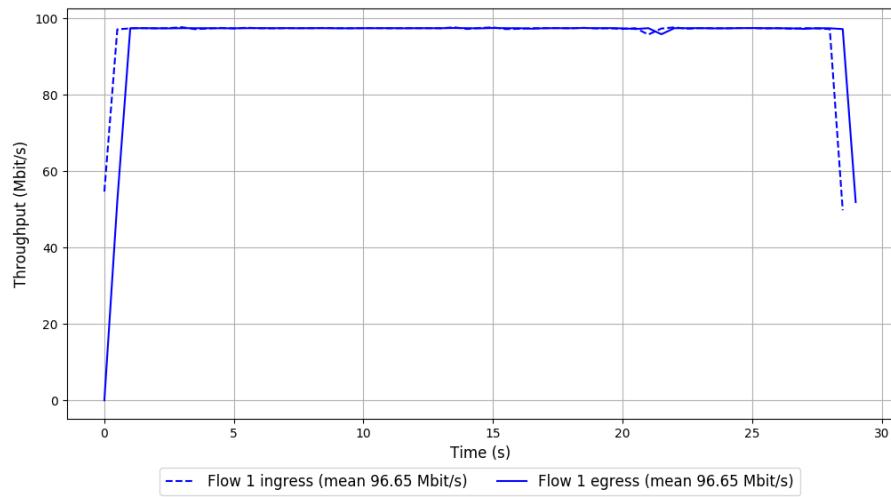


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 18:05:10
End at: 2019-07-17 18:05:40
Local clock offset: 0.678 ms
Remote clock offset: -0.92 ms

# Below is generated by plot.py at 2019-07-17 19:52:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 12.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 12.282 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC3 — Data Link

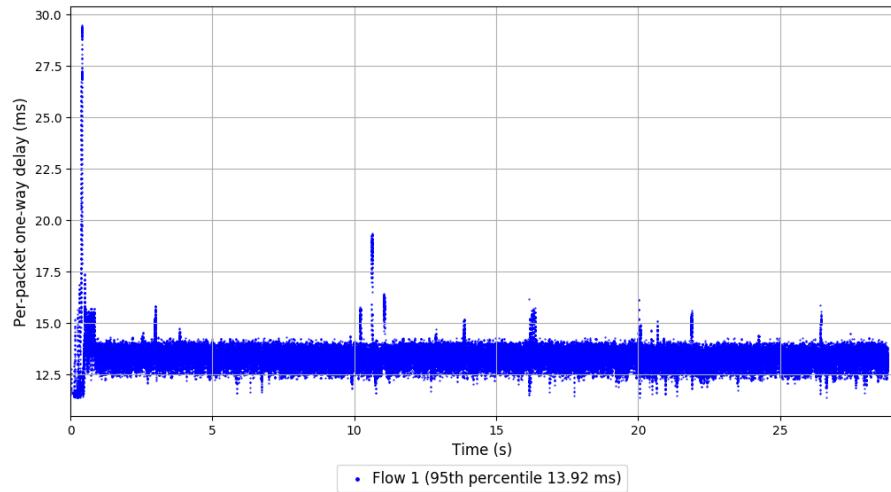
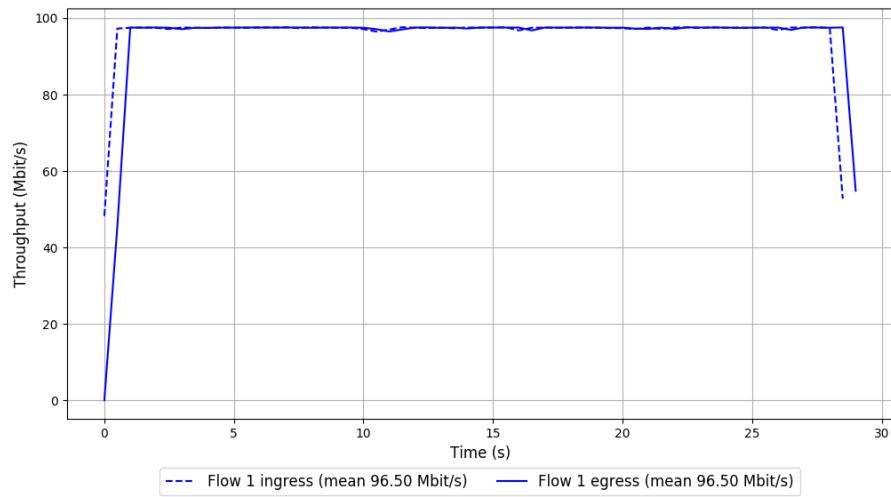


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 18:33:45
End at: 2019-07-17 18:34:15
Local clock offset: 0.087 ms
Remote clock offset: -0.671 ms

# Below is generated by plot.py at 2019-07-17 19:53:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 13.922 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 13.922 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-MusesC3 — Data Link

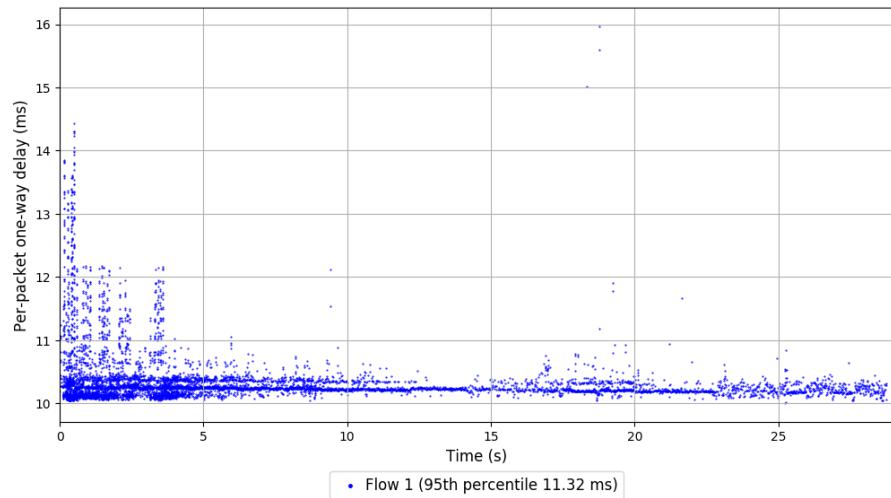
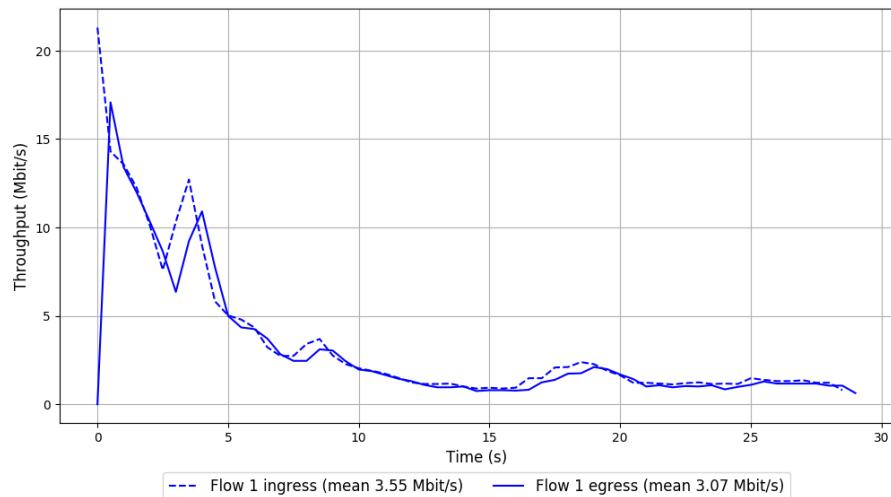


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 19:01:38
End at: 2019-07-17 19:02:08
Local clock offset: -1.218 ms
Remote clock offset: -1.875 ms

# Below is generated by plot.py at 2019-07-17 19:53:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 11.318 ms
Loss rate: 13.63%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 11.318 ms
Loss rate: 13.63%
```

Run 4: Report of Indigo-MusesC3 — Data Link

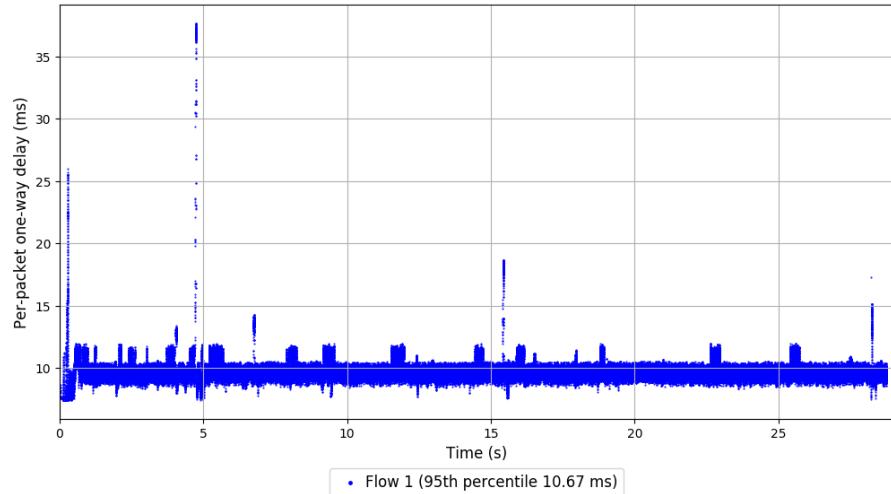
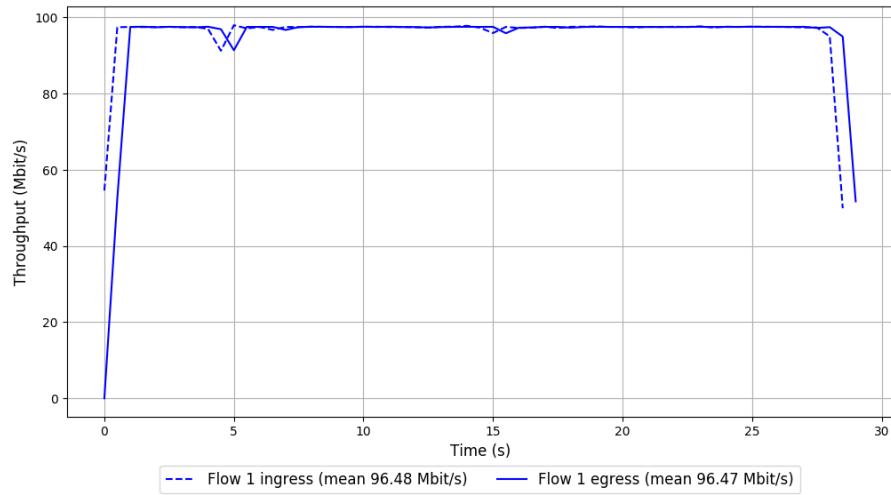


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 19:29:57
End at: 2019-07-17 19:30:27
Local clock offset: -2.576 ms
Remote clock offset: -1.997 ms

# Below is generated by plot.py at 2019-07-17 19:53:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 10.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 10.671 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC3 — Data Link

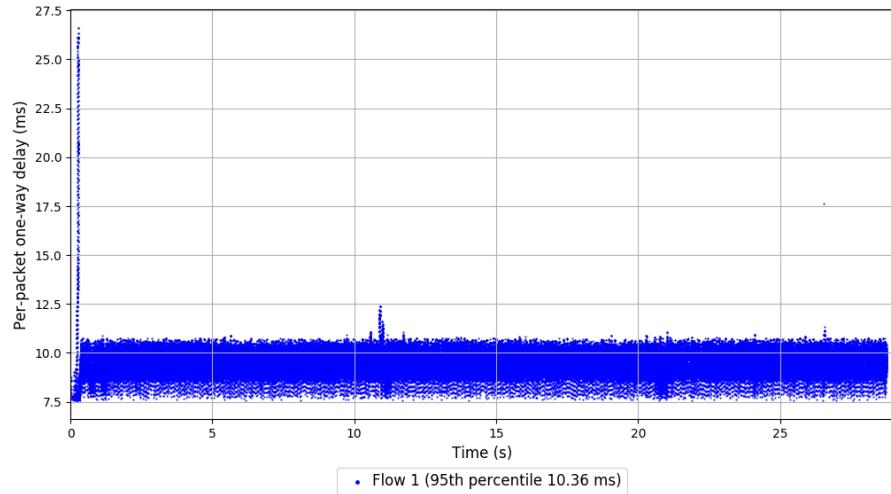
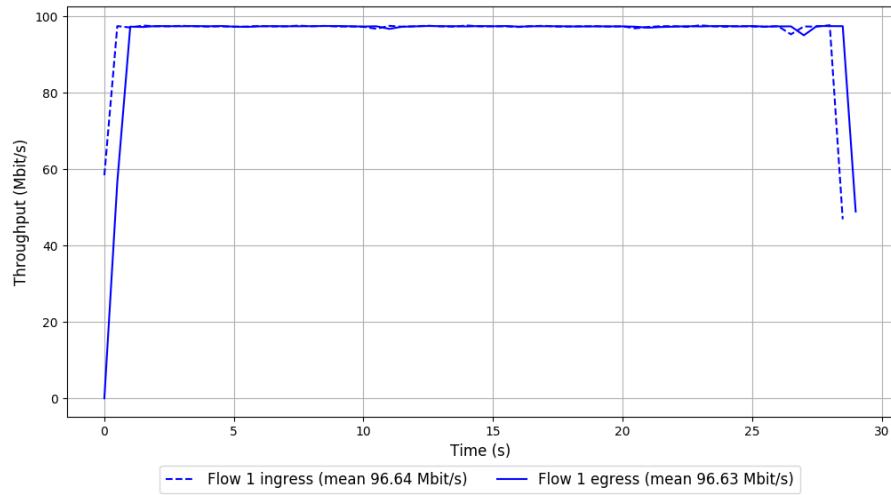


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 17:44:11
End at: 2019-07-17 17:44:41
Local clock offset: 2.176 ms
Remote clock offset: -2.943 ms

# Below is generated by plot.py at 2019-07-17 19:53:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 10.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 10.362 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC5 — Data Link

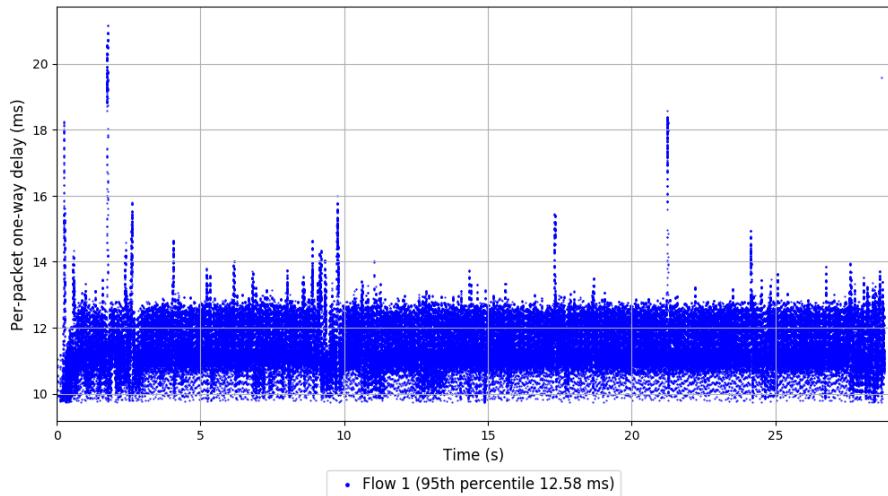
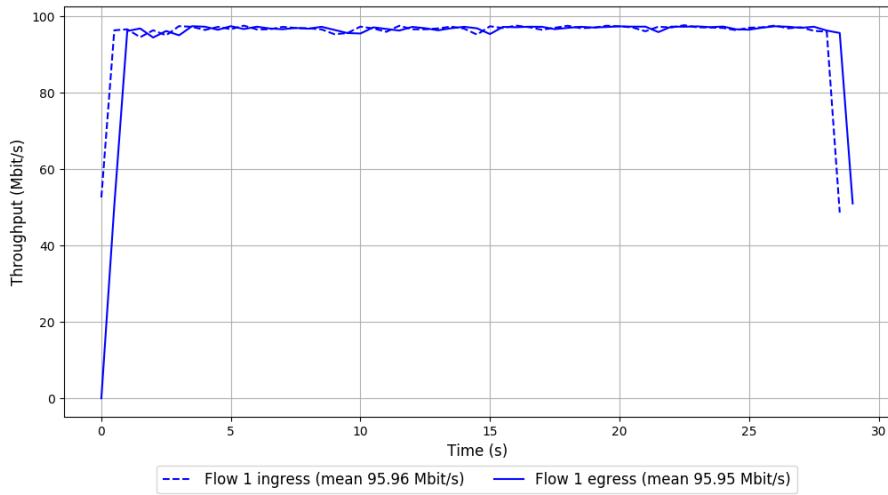


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 18:12:22
End at: 2019-07-17 18:12:52
Local clock offset: 0.788 ms
Remote clock offset: 0.238 ms

# Below is generated by plot.py at 2019-07-17 19:53:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 12.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 12.583 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC5 — Data Link

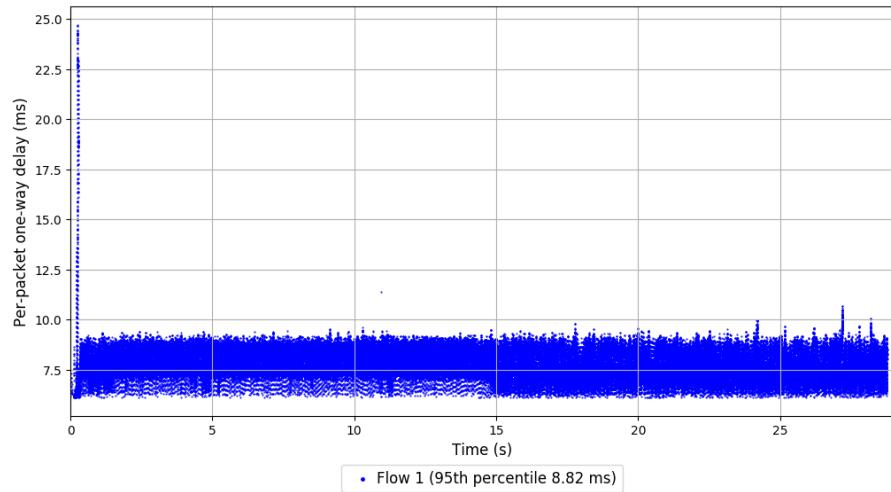
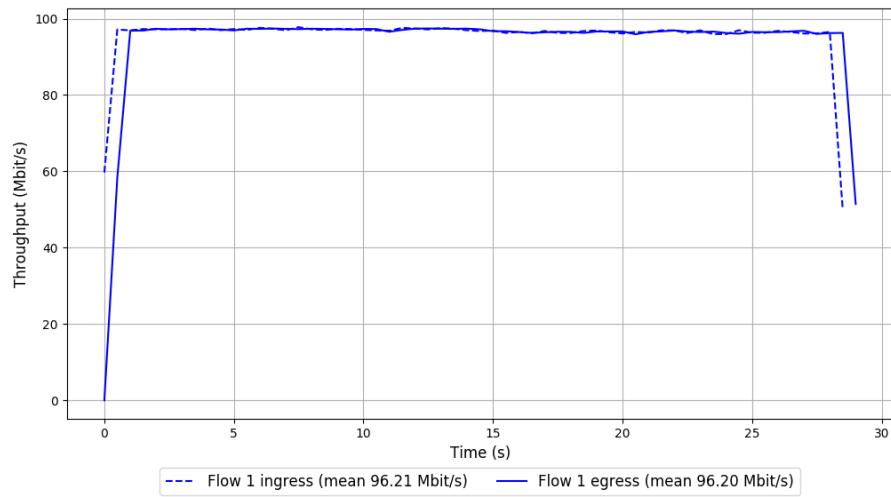


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 18:40:44
End at: 2019-07-17 18:41:14
Local clock offset: 0.922 ms
Remote clock offset: -2.073 ms

# Below is generated by plot.py at 2019-07-17 19:53:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 8.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 8.822 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC5 — Data Link

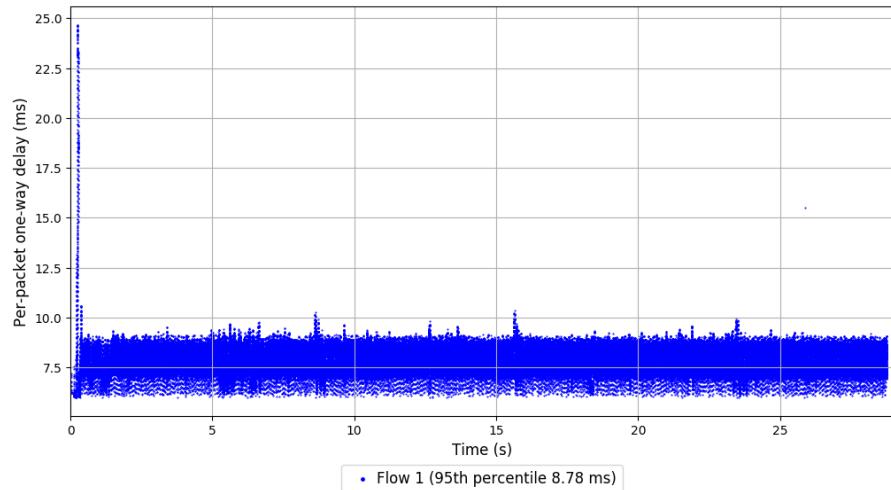
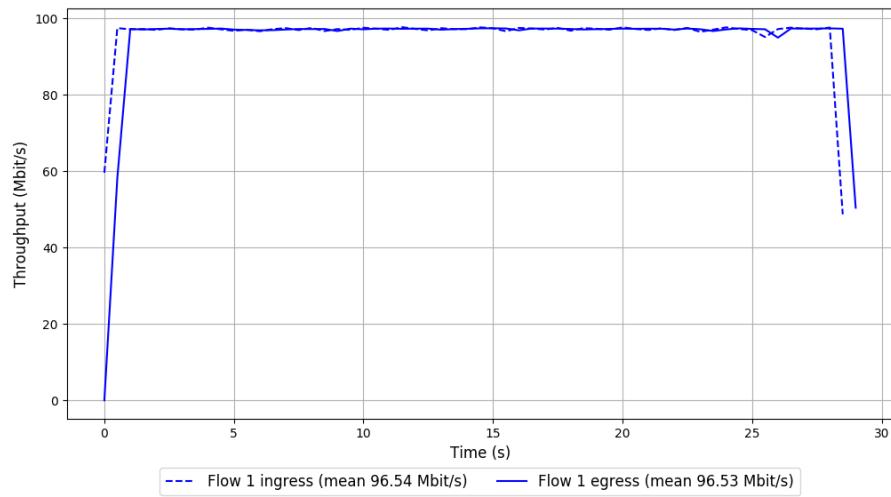


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 19:08:54
End at: 2019-07-17 19:09:24
Local clock offset: -1.798 ms
Remote clock offset: -2.298 ms

# Below is generated by plot.py at 2019-07-17 19:53:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 8.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 8.779 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC5 — Data Link

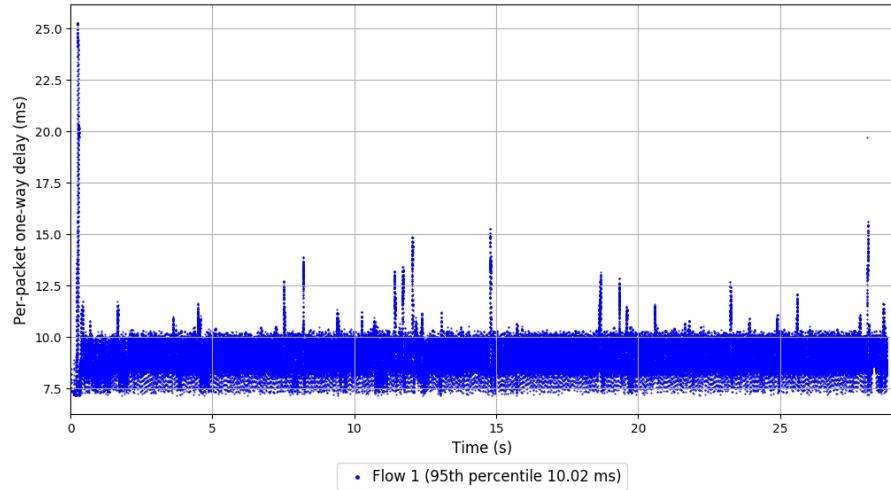
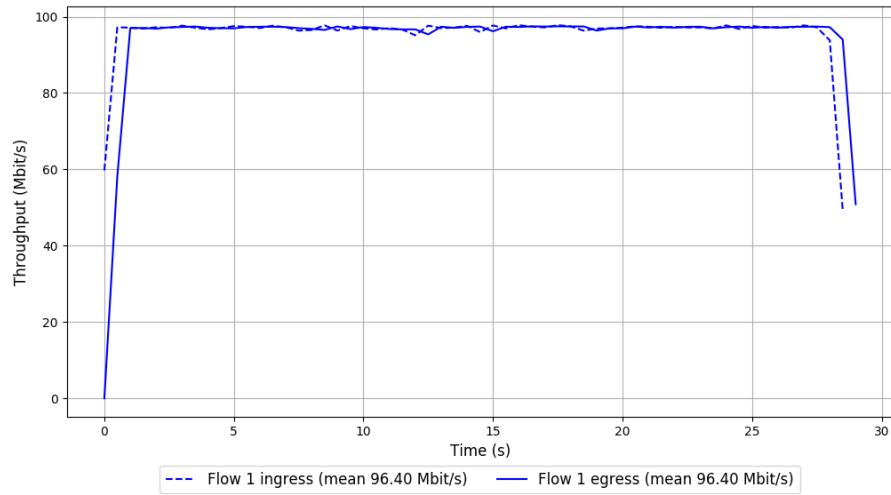


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 19:37:03
End at: 2019-07-17 19:37:33
Local clock offset: -2.098 ms
Remote clock offset: -1.944 ms

# Below is generated by plot.py at 2019-07-17 19:53:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 10.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 10.016 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC5 — Data Link

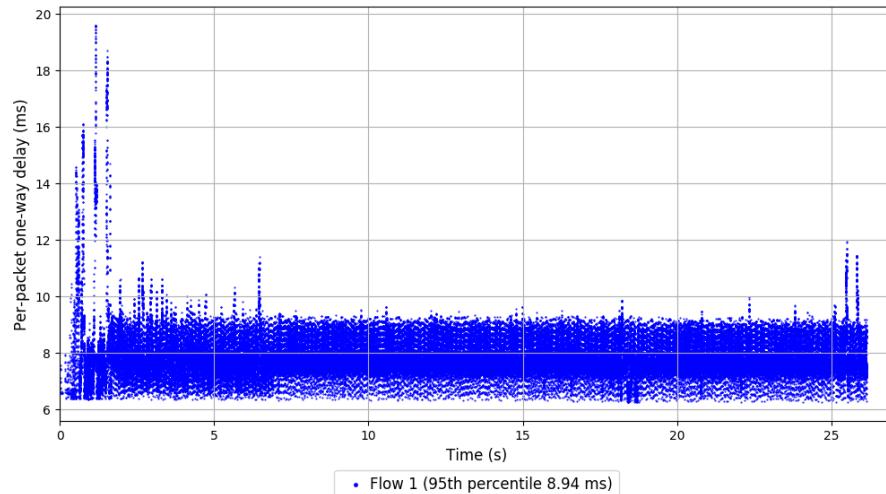
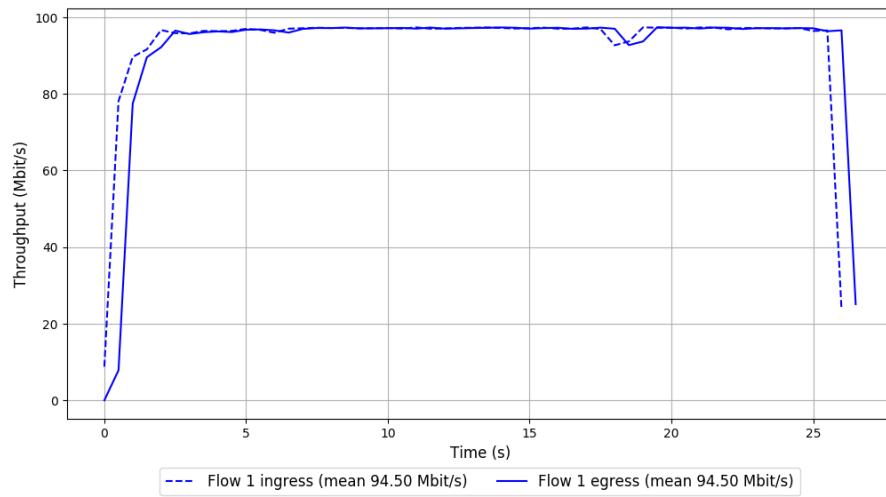


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-07-17 17:28:43
End at: 2019-07-17 17:29:13
Local clock offset: 3.832 ms
Remote clock offset: -4.372 ms

# Below is generated by plot.py at 2019-07-17 19:53:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 8.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 8.941 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link

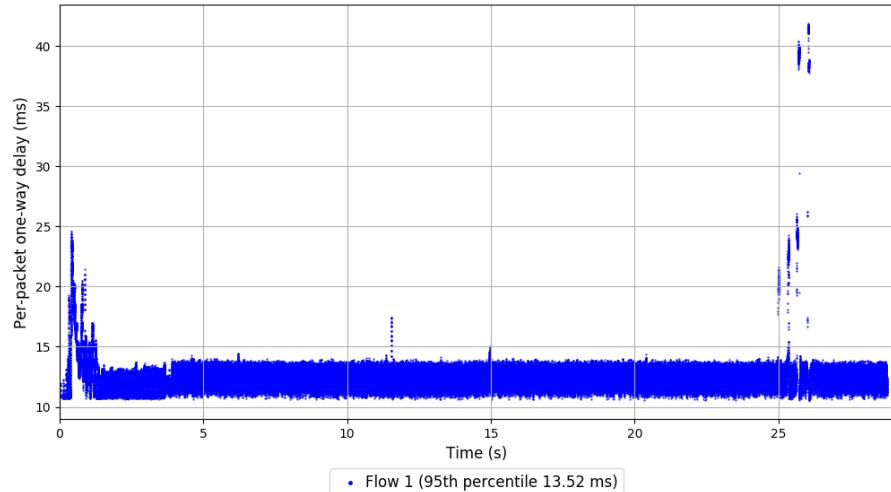
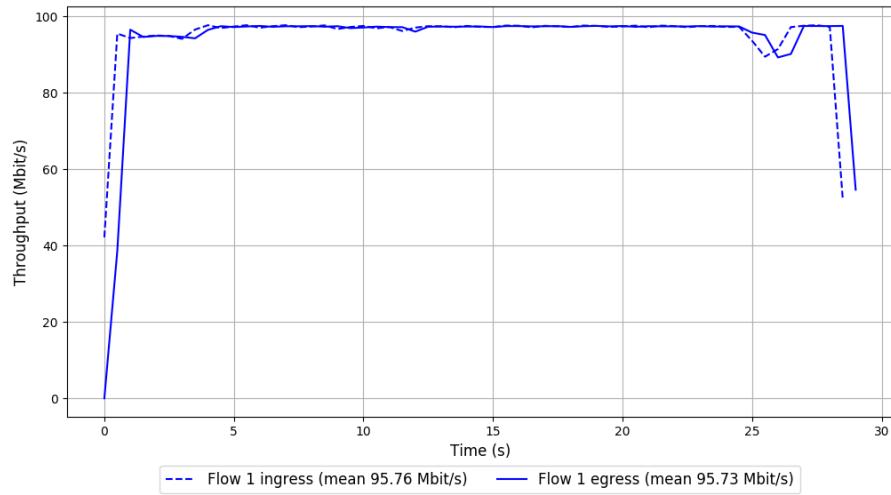


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 17:56:51
End at: 2019-07-17 17:57:21
Local clock offset: 2.54 ms
Remote clock offset: 1.167 ms

# Below is generated by plot.py at 2019-07-17 19:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 13.524 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 13.524 ms
Loss rate: 0.02%
```

Run 2: Report of Indigo-MusesD — Data Link

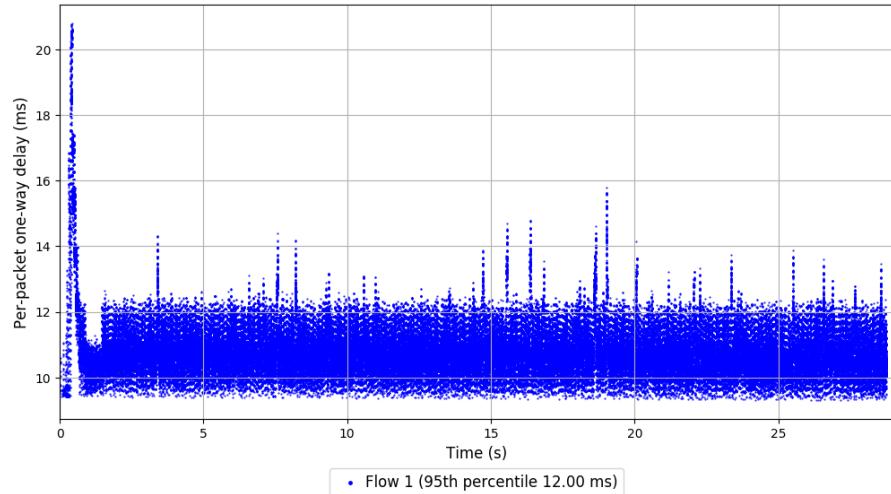
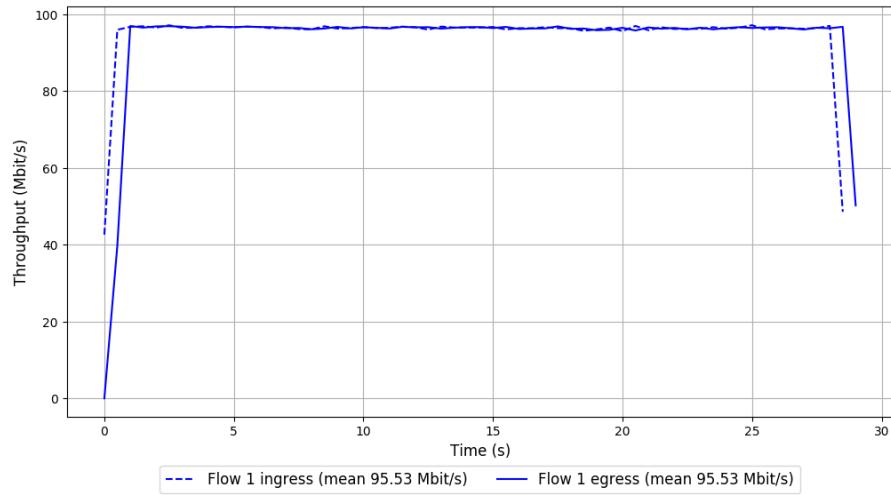


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 18:25:30
End at: 2019-07-17 18:26:00
Local clock offset: 1.571 ms
Remote clock offset: -2.241 ms

# Below is generated by plot.py at 2019-07-17 19:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 12.002 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 12.002 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-MusesD — Data Link

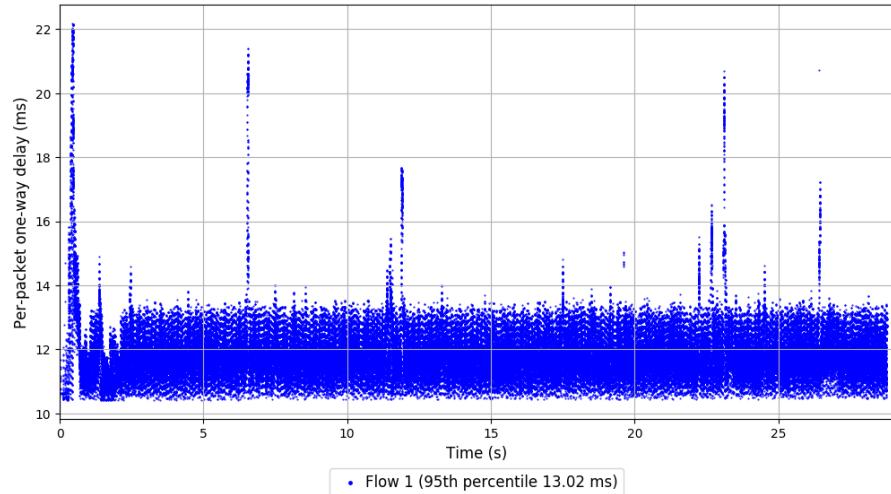
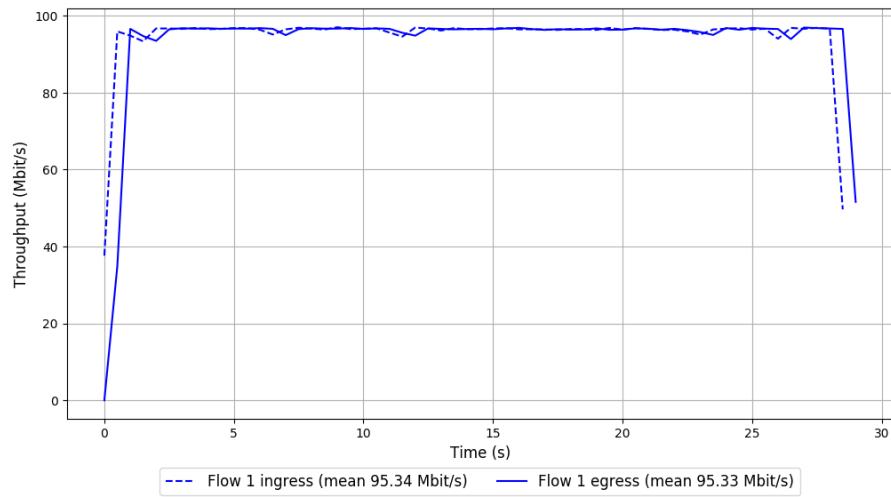


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 18:53:17
End at: 2019-07-17 18:53:47
Local clock offset: -0.216 ms
Remote clock offset: -2.188 ms

# Below is generated by plot.py at 2019-07-17 19:54:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 13.018 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 13.018 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-MusesD — Data Link

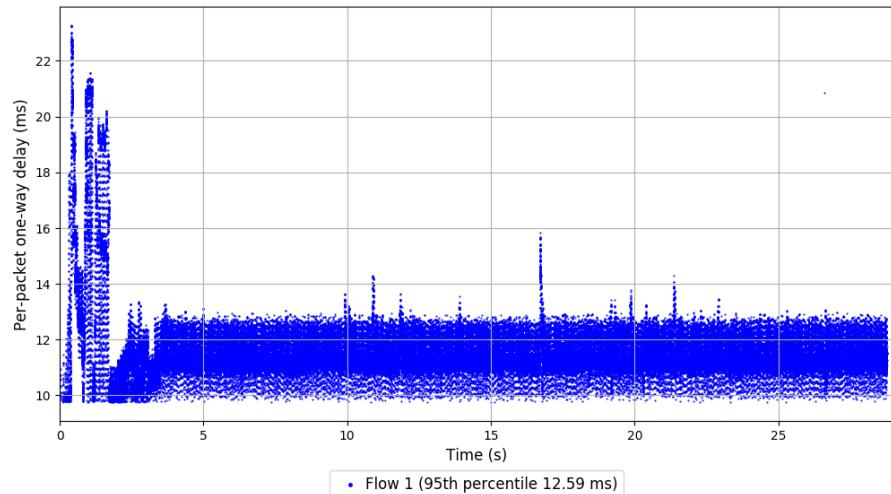
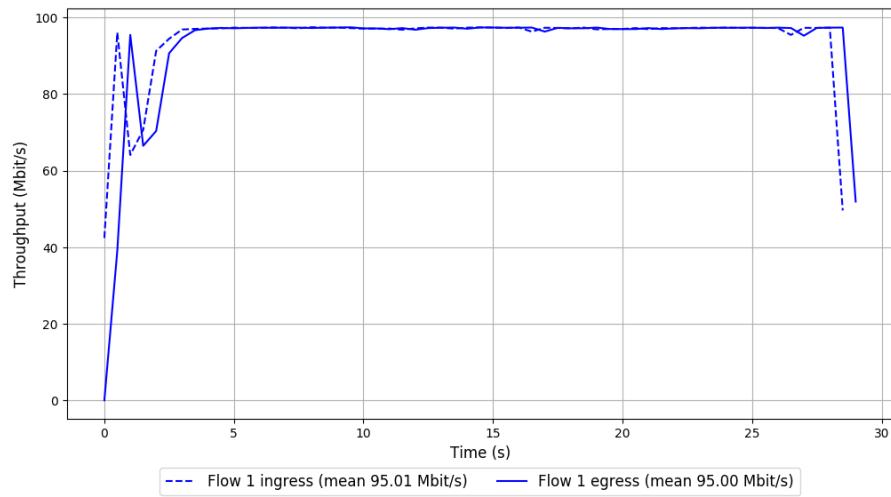


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 19:21:42
End at: 2019-07-17 19:22:12
Local clock offset: -3.0 ms
Remote clock offset: 0.621 ms

# Below is generated by plot.py at 2019-07-17 19:54:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 12.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 12.588 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesD — Data Link

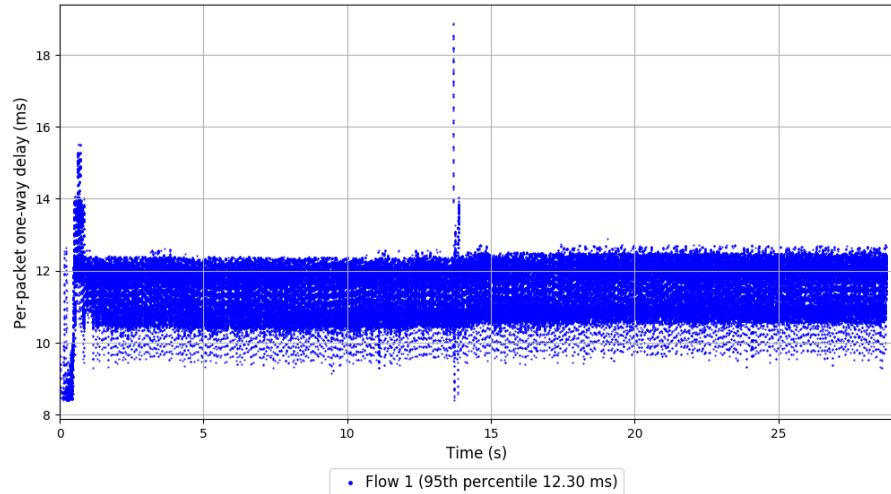
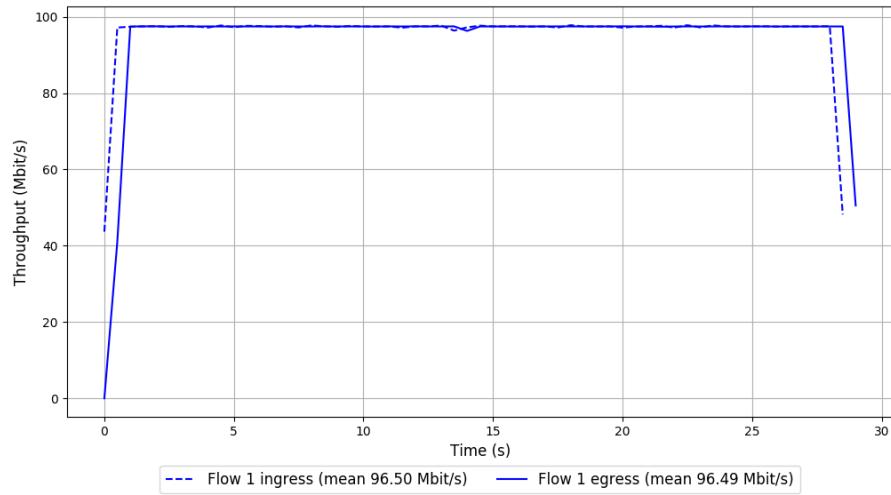


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 17:36:00
End at: 2019-07-17 17:36:30
Local clock offset: 2.193 ms
Remote clock offset: -2.583 ms

# Below is generated by plot.py at 2019-07-17 19:54:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 12.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 12.305 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesT — Data Link

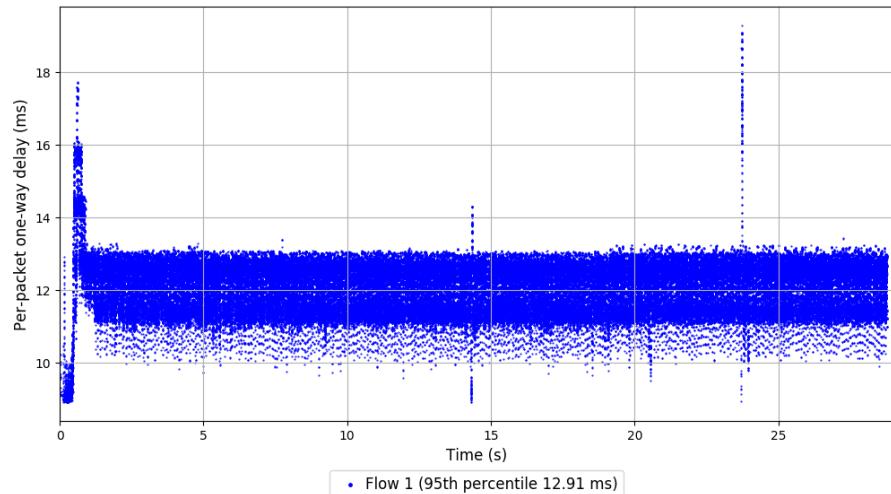
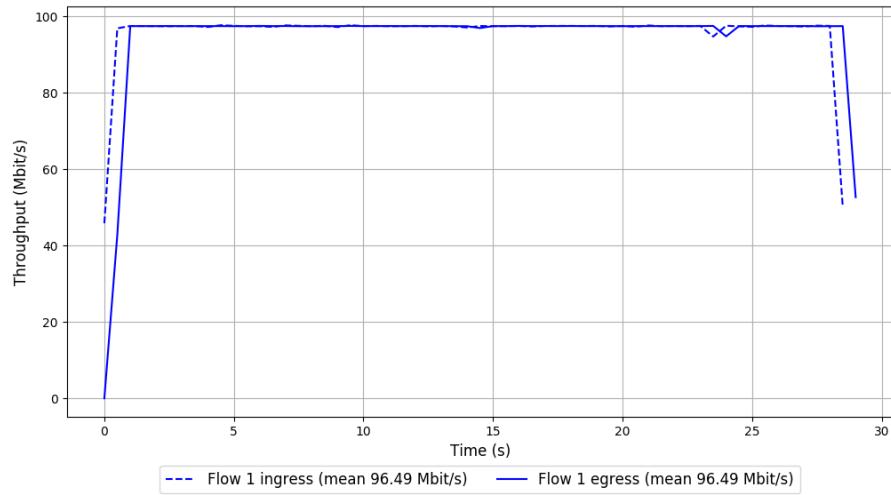


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 18:03:58
End at: 2019-07-17 18:04:28
Local clock offset: 1.539 ms
Remote clock offset: -0.401 ms

# Below is generated by plot.py at 2019-07-17 19:54:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 12.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 12.906 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesT — Data Link

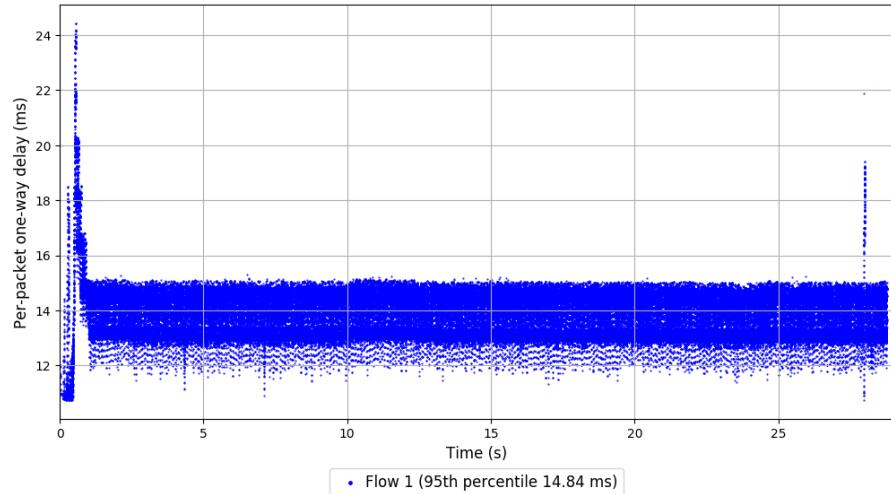
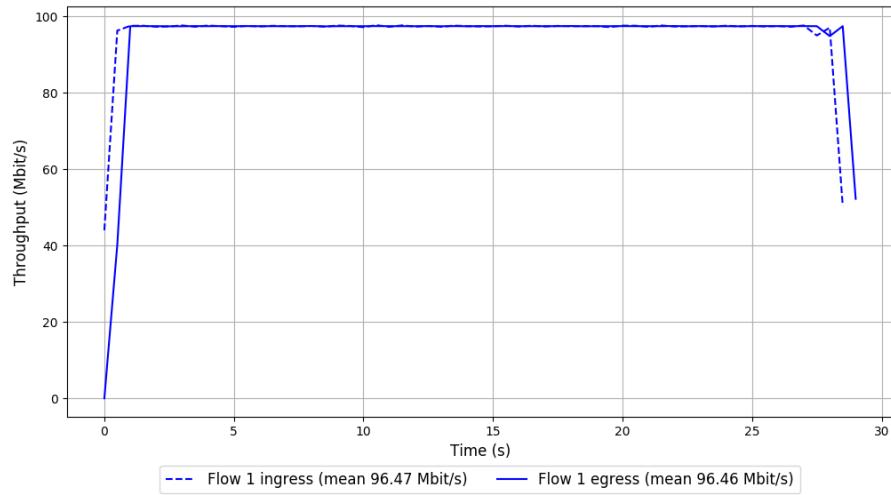


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 18:32:35
End at: 2019-07-17 18:33:05
Local clock offset: 0.262 ms
Remote clock offset: -1.236 ms

# Below is generated by plot.py at 2019-07-17 19:54:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 14.841 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 14.841 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-MusesT — Data Link

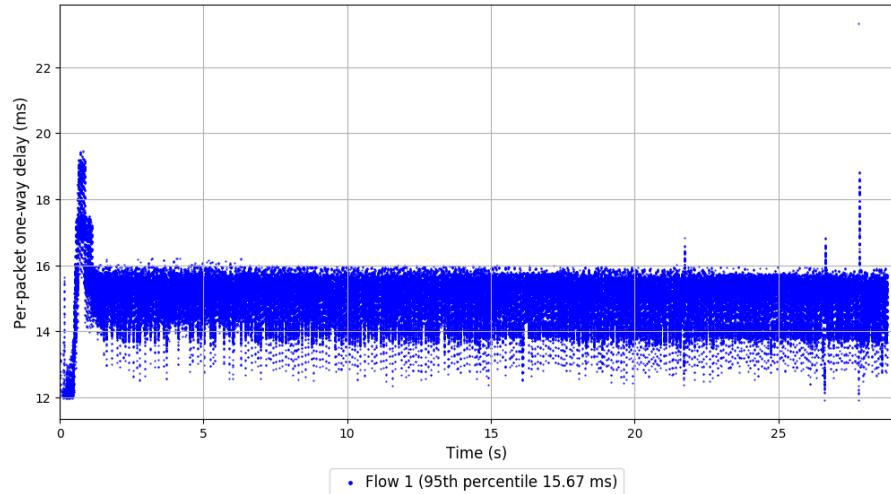
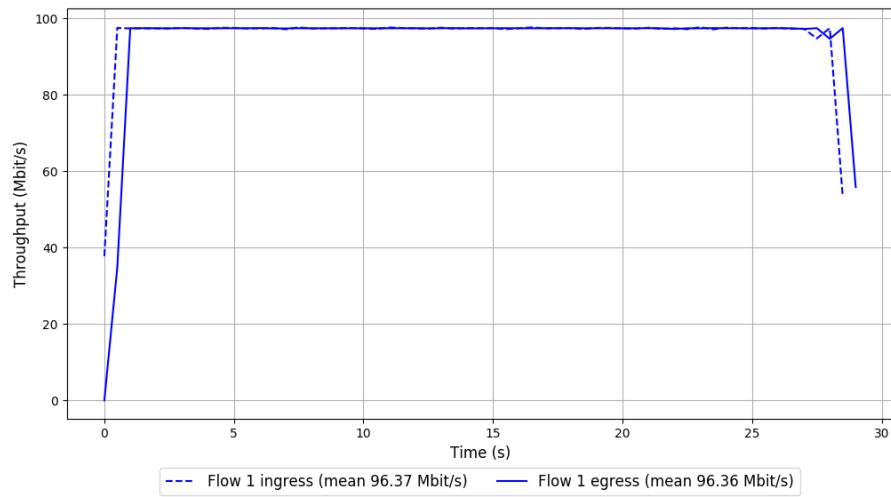


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 19:00:26
End at: 2019-07-17 19:00:56
Local clock offset: -1.235 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2019-07-17 19:54:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 15.674 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 15.674 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-MusesT — Data Link

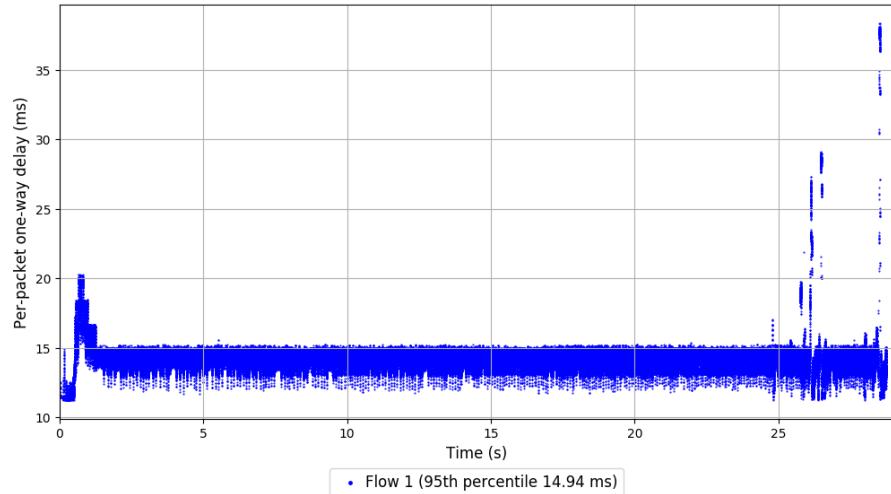
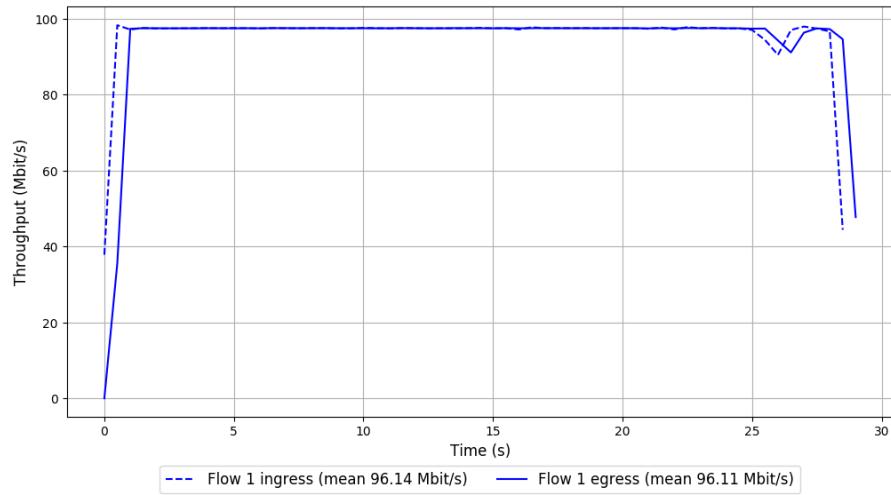


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 19:28:43
End at: 2019-07-17 19:29:13
Local clock offset: -2.847 ms
Remote clock offset: -1.52 ms

# Below is generated by plot.py at 2019-07-17 19:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 14.944 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 14.944 ms
Loss rate: 0.04%
```

Run 5: Report of Indigo-MusesT — Data Link

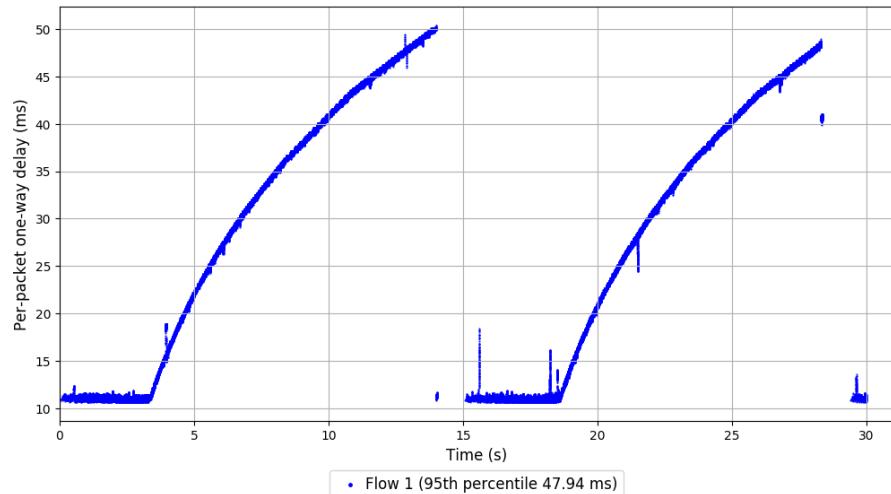
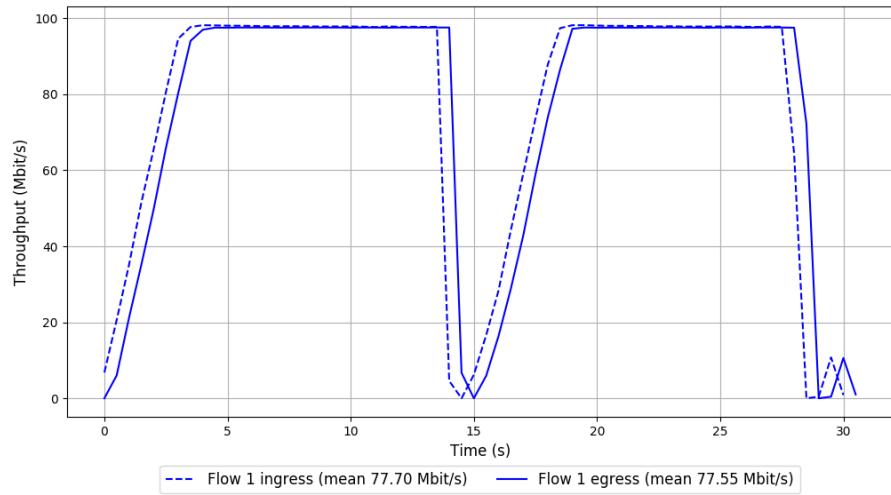


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-07-17 17:38:16
End at: 2019-07-17 17:38:46
Local clock offset: 3.024 ms
Remote clock offset: -2.387 ms

# Below is generated by plot.py at 2019-07-17 19:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 47.941 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 47.941 ms
Loss rate: 0.20%
```

Run 1: Report of LEDBAT — Data Link

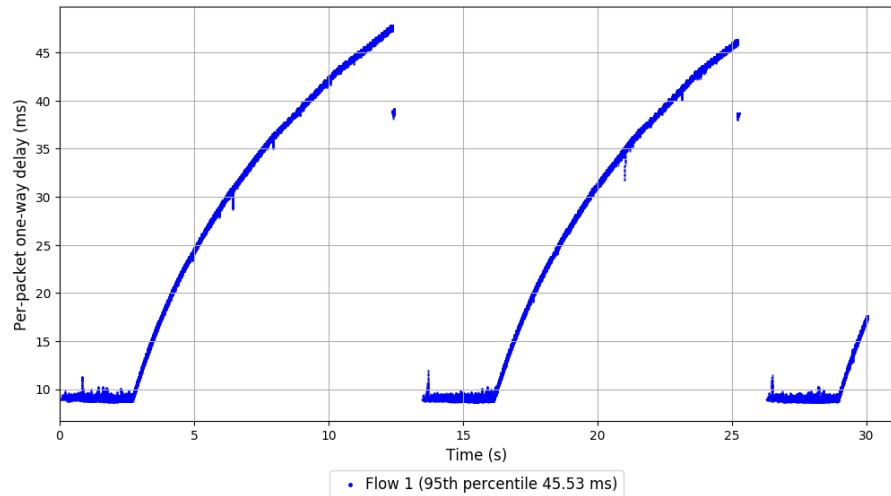
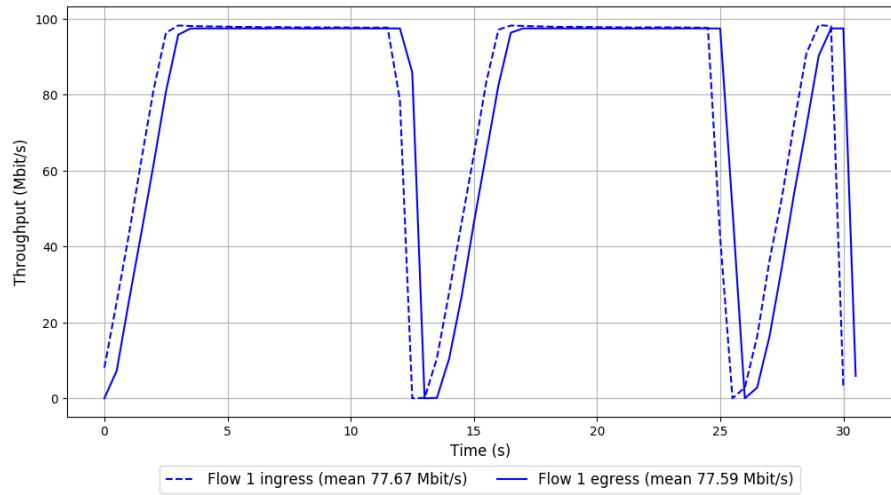


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-17 18:06:26
End at: 2019-07-17 18:06:56
Local clock offset: 1.291 ms
Remote clock offset: -0.619 ms

# Below is generated by plot.py at 2019-07-17 19:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.59 Mbit/s
95th percentile per-packet one-way delay: 45.530 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 77.59 Mbit/s
95th percentile per-packet one-way delay: 45.530 ms
Loss rate: 0.07%
```

Run 2: Report of LEDBAT — Data Link

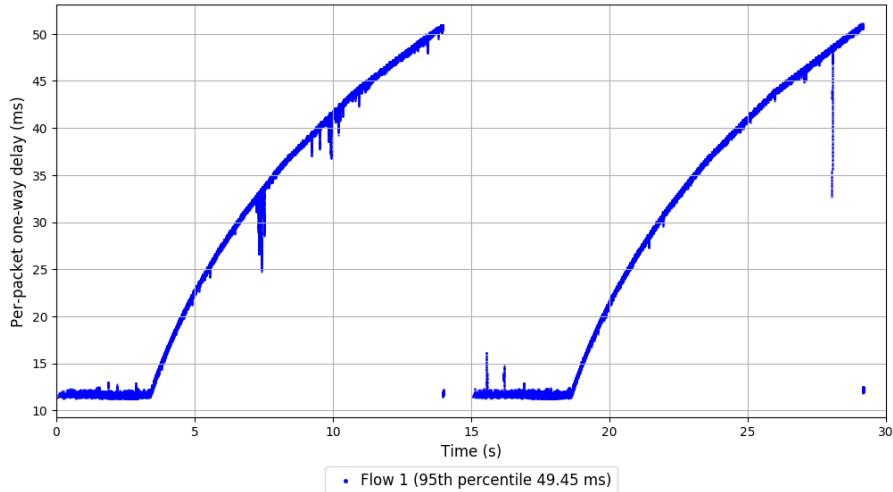
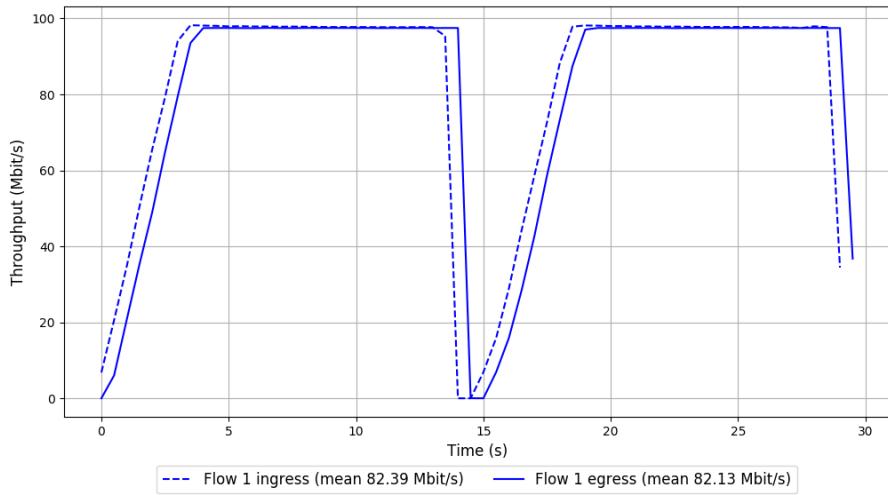


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-17 18:34:57
End at: 2019-07-17 18:35:27
Local clock offset: -0.722 ms
Remote clock offset: -1.572 ms

# Below is generated by plot.py at 2019-07-17 19:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.13 Mbit/s
95th percentile per-packet one-way delay: 49.455 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 82.13 Mbit/s
95th percentile per-packet one-way delay: 49.455 ms
Loss rate: 0.32%
```

Run 3: Report of LEDBAT — Data Link

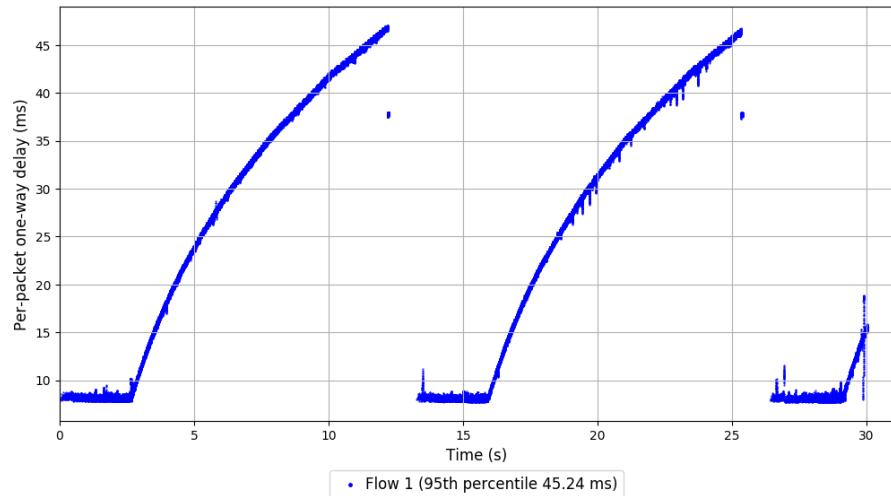
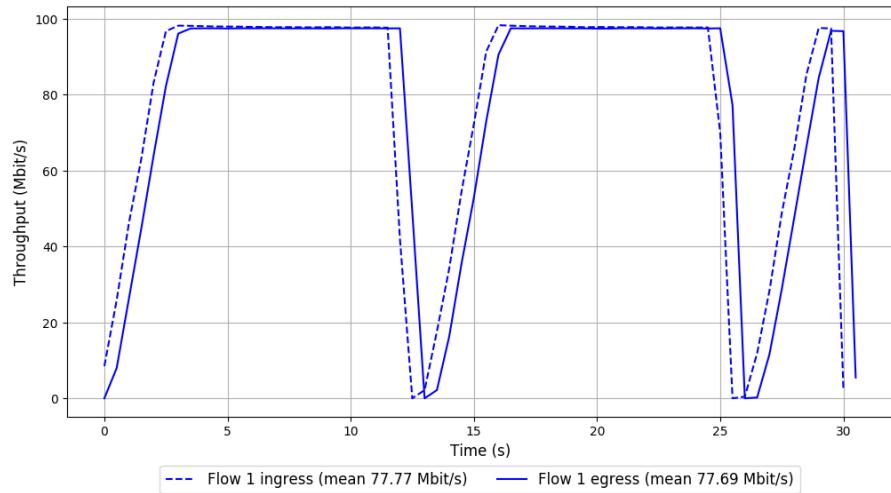


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-17 19:02:43
End at: 2019-07-17 19:03:13
Local clock offset: -1.607 ms
Remote clock offset: -1.004 ms

# Below is generated by plot.py at 2019-07-17 19:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 45.241 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 45.241 ms
Loss rate: 0.07%
```

Run 4: Report of LEDBAT — Data Link

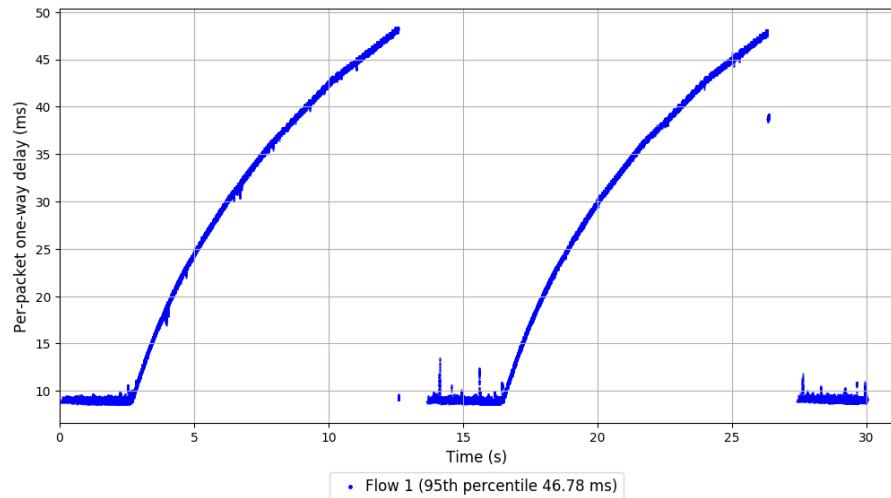
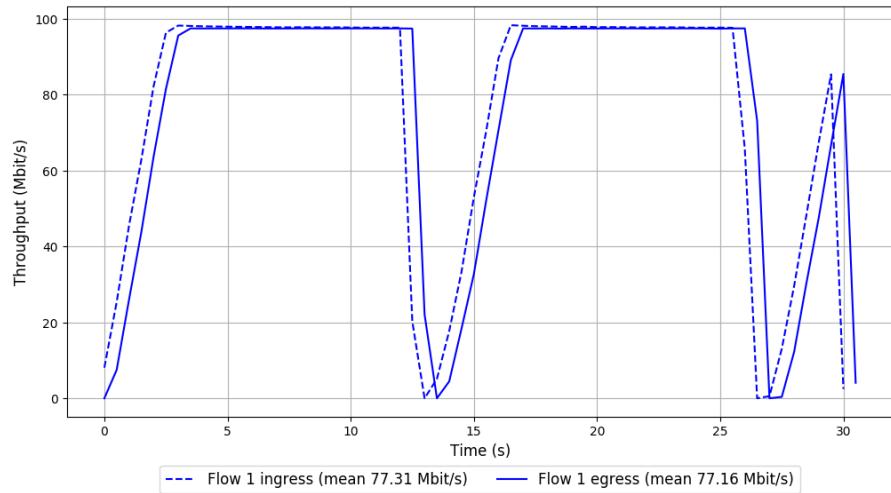


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-17 19:31:08
End at: 2019-07-17 19:31:38
Local clock offset: -2.259 ms
Remote clock offset: -0.379 ms

# Below is generated by plot.py at 2019-07-17 19:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 46.777 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 46.777 ms
Loss rate: 0.20%
```

Run 5: Report of LEDBAT — Data Link

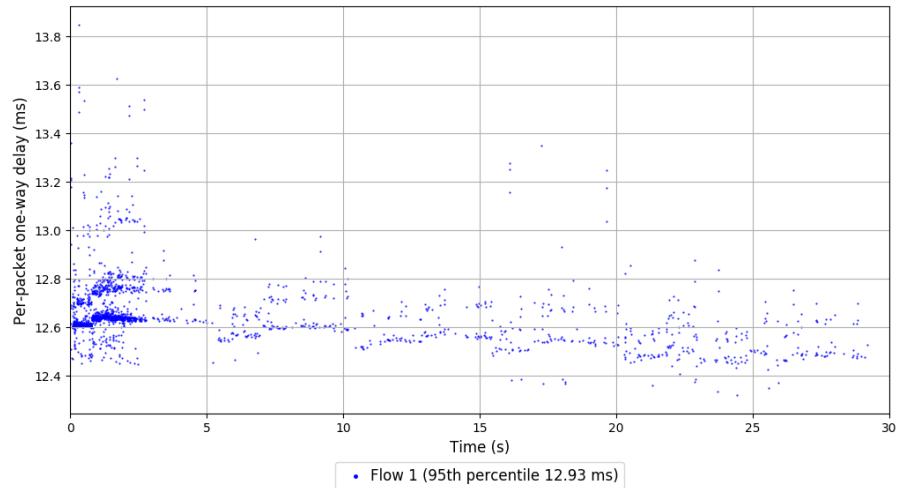
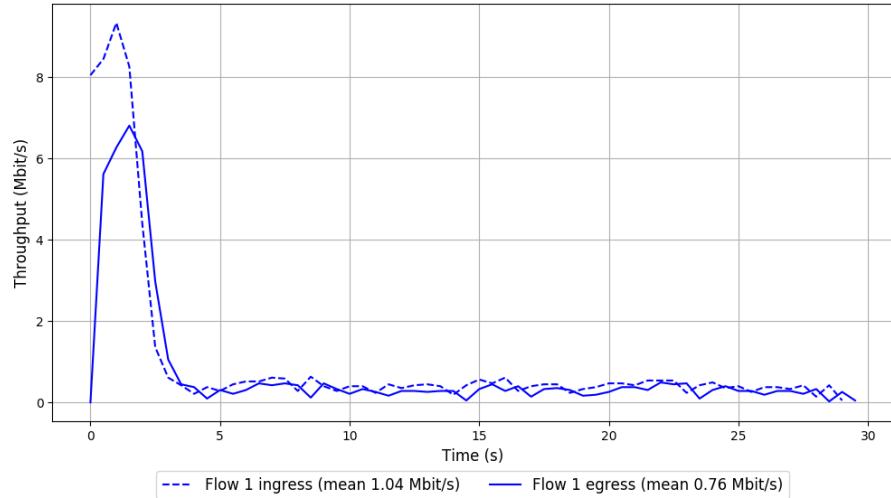


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 17:27:38
End at: 2019-07-17 17:28:08
Local clock offset: 4.693 ms
Remote clock offset: -1.074 ms

# Below is generated by plot.py at 2019-07-17 19:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 12.927 ms
Loss rate: 27.43%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 12.927 ms
Loss rate: 27.43%
```

Run 1: Report of Muses_DecisionTree — Data Link

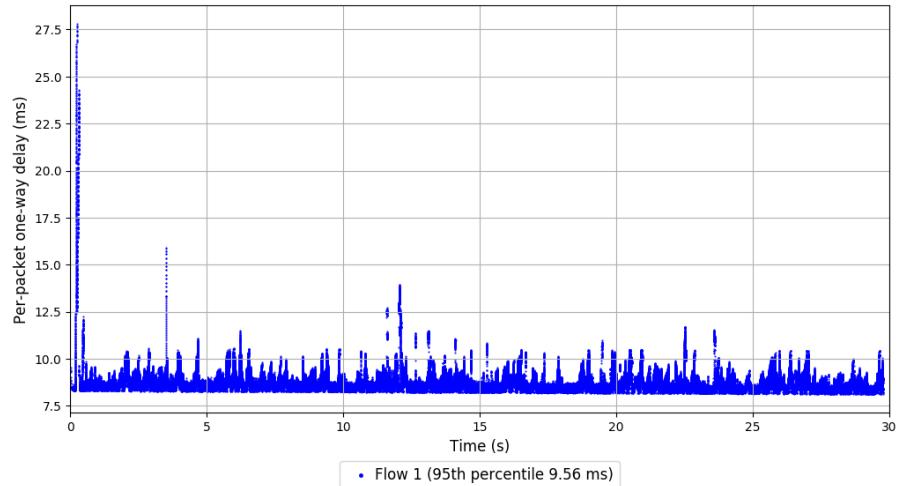
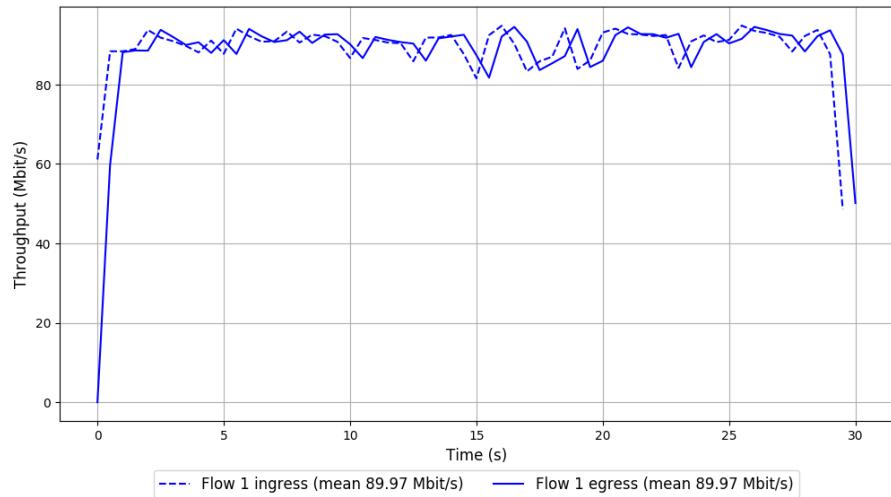


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 17:55:39
End at: 2019-07-17 17:56:09
Local clock offset: 2.65 ms
Remote clock offset: -1.686 ms

# Below is generated by plot.py at 2019-07-17 19:55:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 9.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 9.564 ms
Loss rate: 0.00%
```

Run 2: Report of Muses_DecisionTree — Data Link

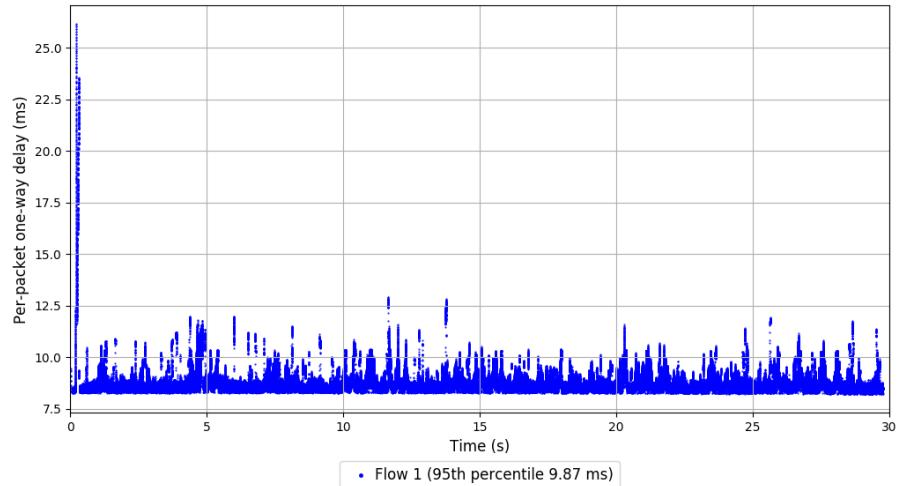
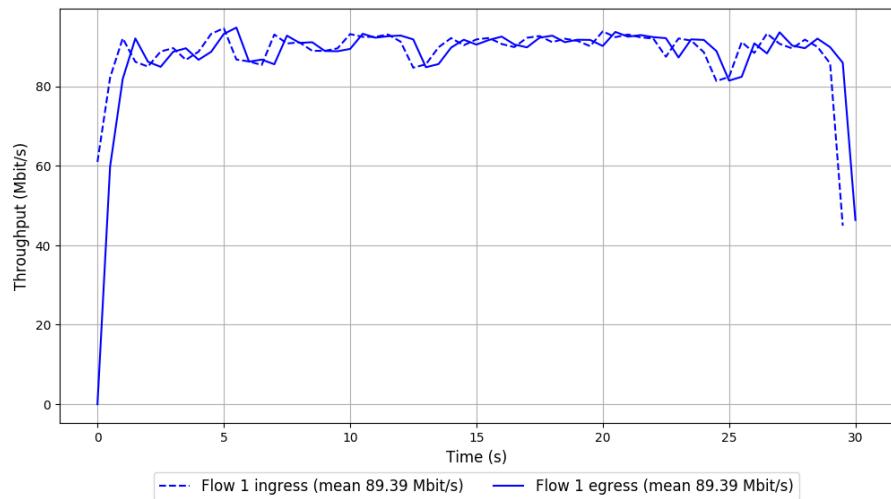


```
Run 3: Statistics of Muses\_DecisionTree
```

```
Start at: 2019-07-17 18:24:19
End at: 2019-07-17 18:24:49
Local clock offset: 1.678 ms
Remote clock offset: -0.394 ms

# Below is generated by plot.py at 2019-07-17 19:55:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 9.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 9.867 ms
Loss rate: 0.00%
```

Run 3: Report of Muses_DecisionTree — Data Link

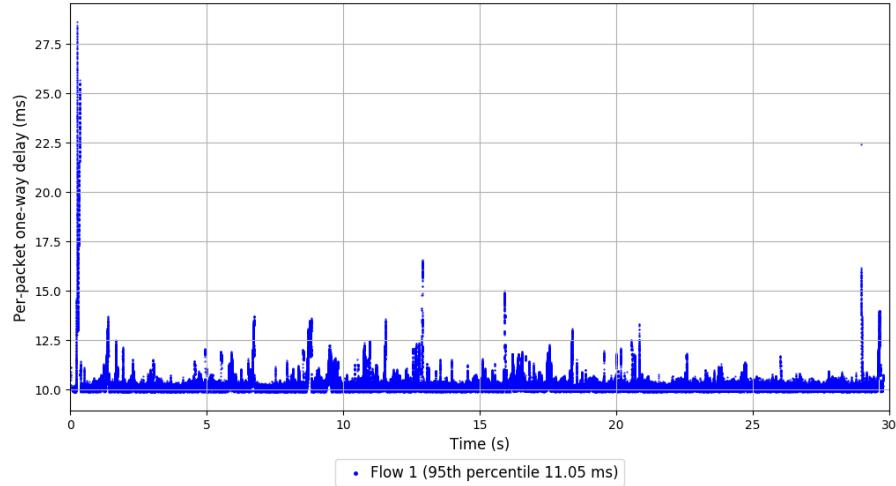
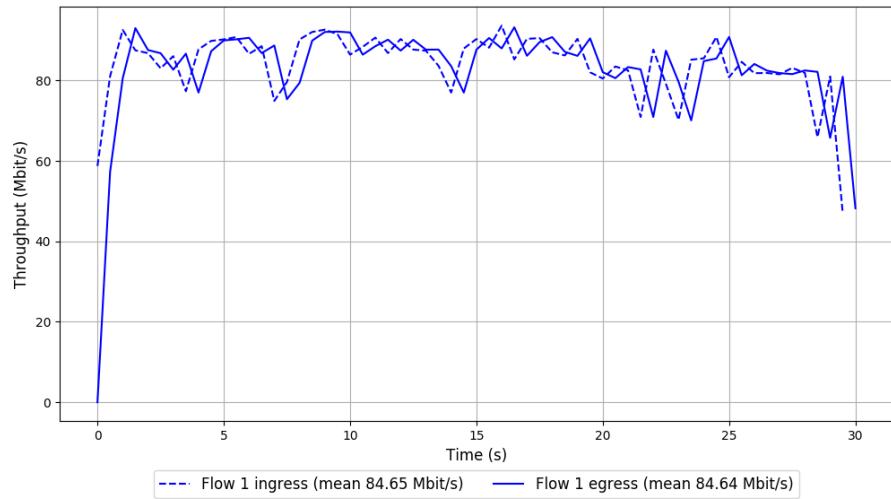


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 18:52:04
End at: 2019-07-17 18:52:34
Local clock offset: 0.518 ms
Remote clock offset: -2.013 ms

# Below is generated by plot.py at 2019-07-17 19:56:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 11.053 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 11.053 ms
Loss rate: 0.01%
```

Run 4: Report of Muses_DecisionTree — Data Link

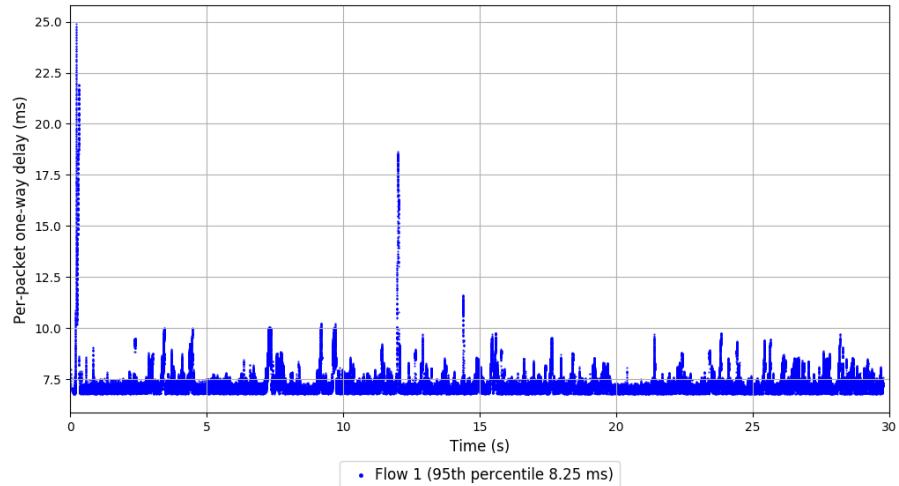
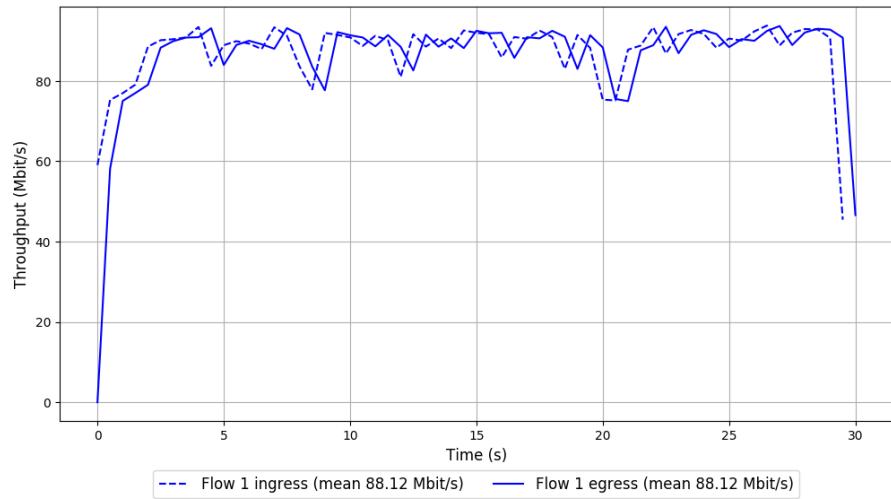


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 19:20:32
End at: 2019-07-17 19:21:02
Local clock offset: -3.035 ms
Remote clock offset: -2.602 ms

# Below is generated by plot.py at 2019-07-17 19:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 8.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 8.254 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTree — Data Link

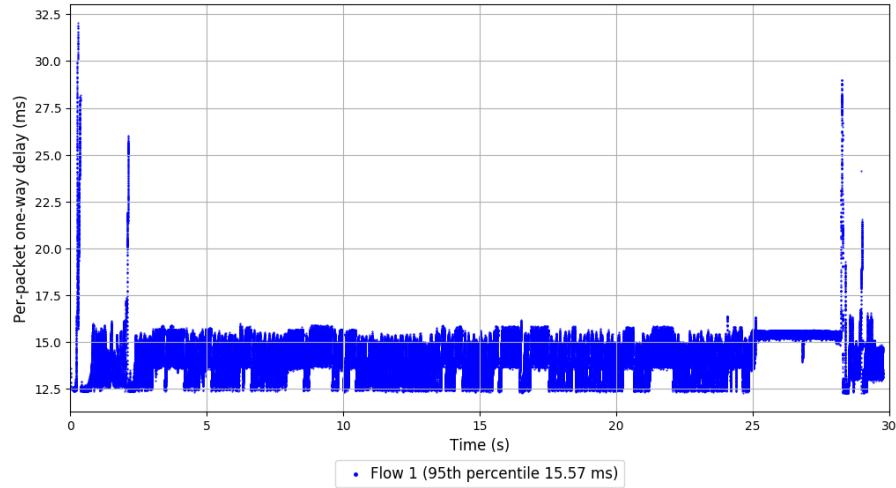
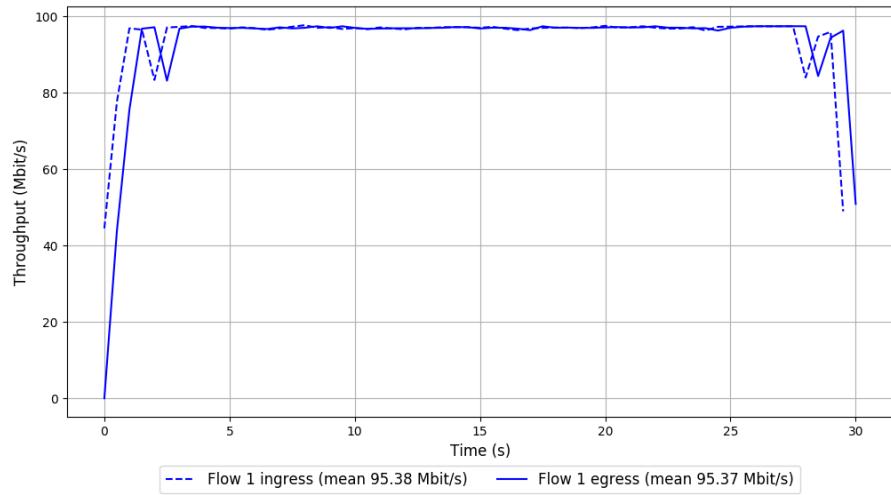


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 17:31:15
End at: 2019-07-17 17:31:45
Local clock offset: 2.438 ms
Remote clock offset: -2.177 ms

# Below is generated by plot.py at 2019-07-17 19:56:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 15.567 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 15.567 ms
Loss rate: 0.01%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

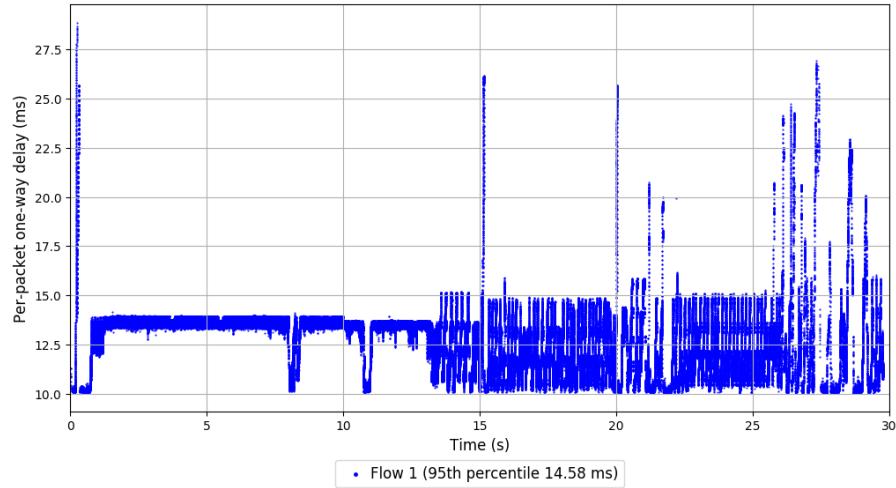
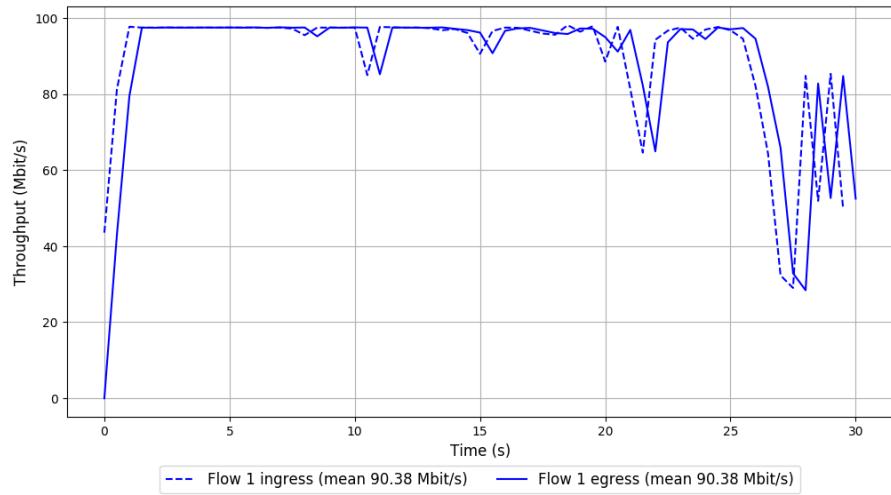


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 17:59:15
End at: 2019-07-17 17:59:45
Local clock offset: 1.862 ms
Remote clock offset: 0.444 ms

# Below is generated by plot.py at 2019-07-17 19:56:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 14.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 14.583 ms
Loss rate: 0.00%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

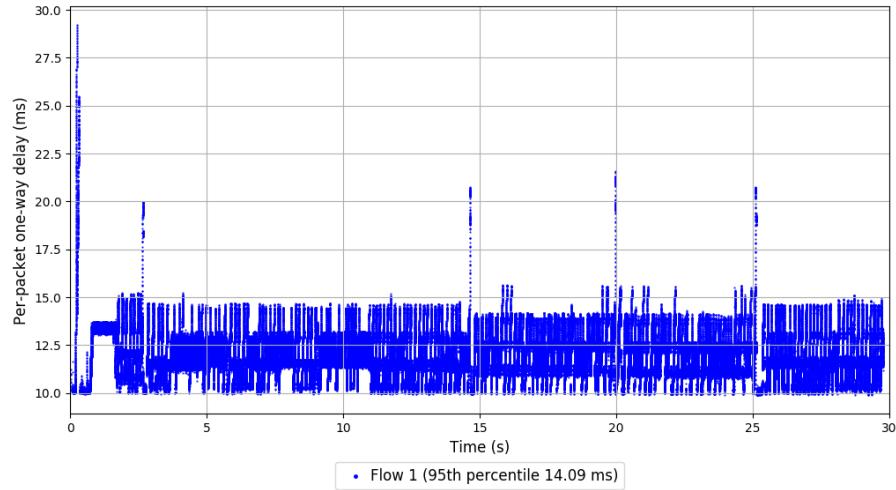
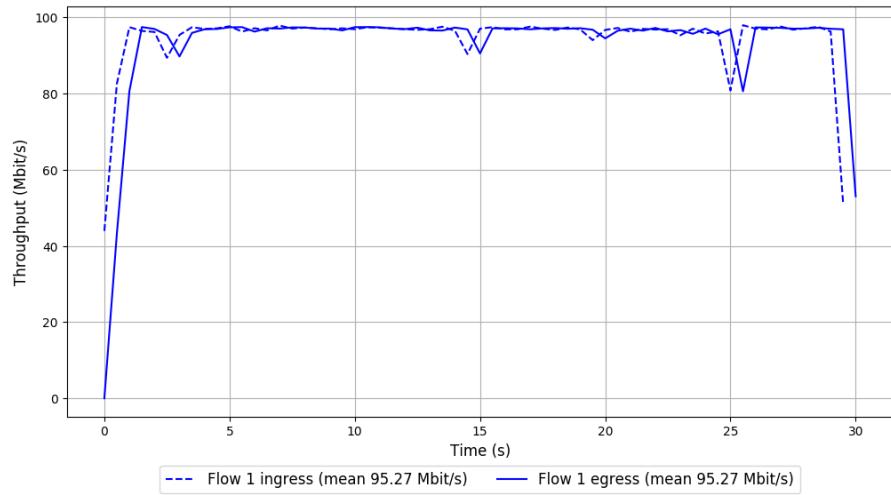


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 18:27:54
End at: 2019-07-17 18:28:24
Local clock offset: 1.192 ms
Remote clock offset: 1.499 ms

# Below is generated by plot.py at 2019-07-17 19:56:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 14.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 14.091 ms
Loss rate: 0.00%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

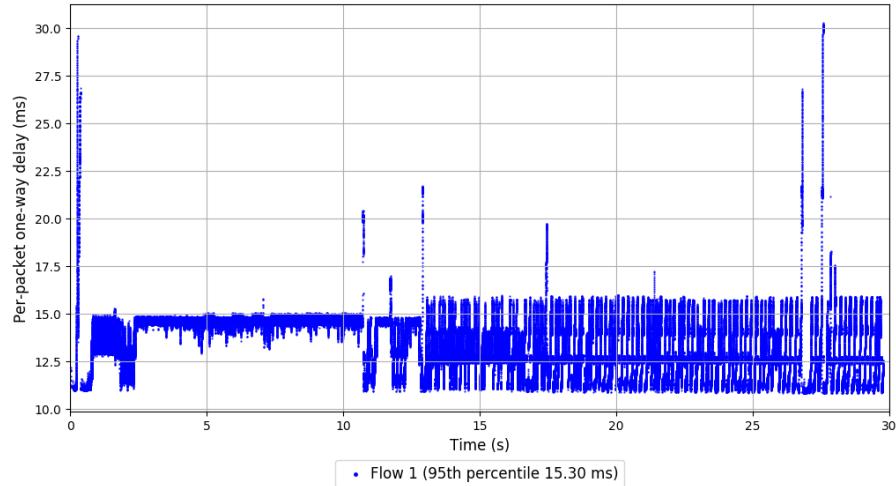
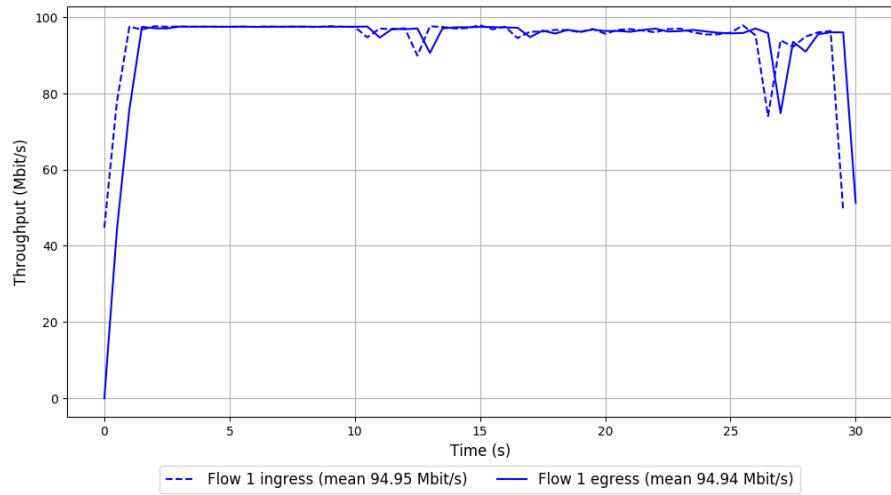


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 18:55:40
End at: 2019-07-17 18:56:10
Local clock offset: 0.363 ms
Remote clock offset: -0.745 ms

# Below is generated by plot.py at 2019-07-17 19:56:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 15.301 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 15.301 ms
Loss rate: 0.01%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

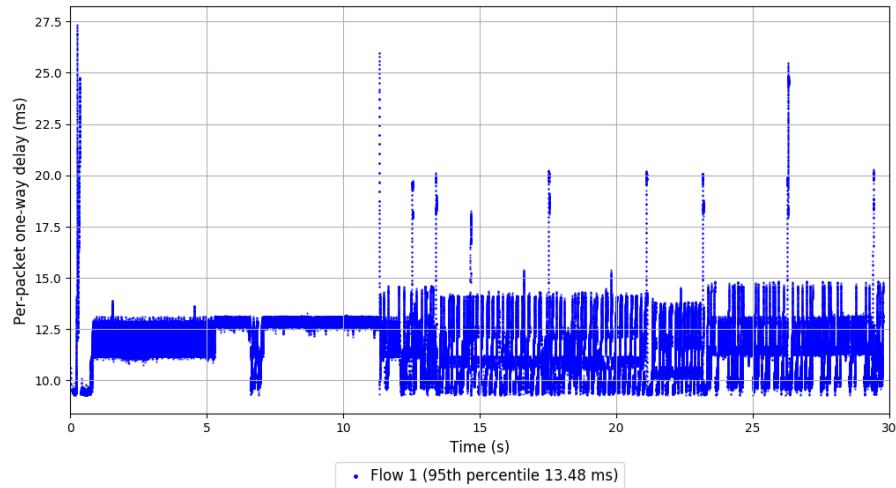
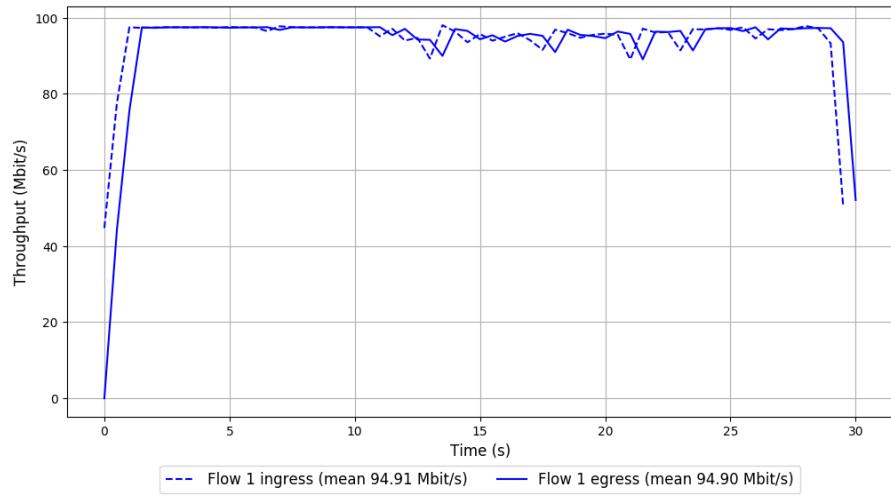


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 19:24:03
End at: 2019-07-17 19:24:33
Local clock offset: -2.714 ms
Remote clock offset: -2.836 ms

# Below is generated by plot.py at 2019-07-17 19:56:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 13.480 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 13.480 ms
Loss rate: 0.01%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

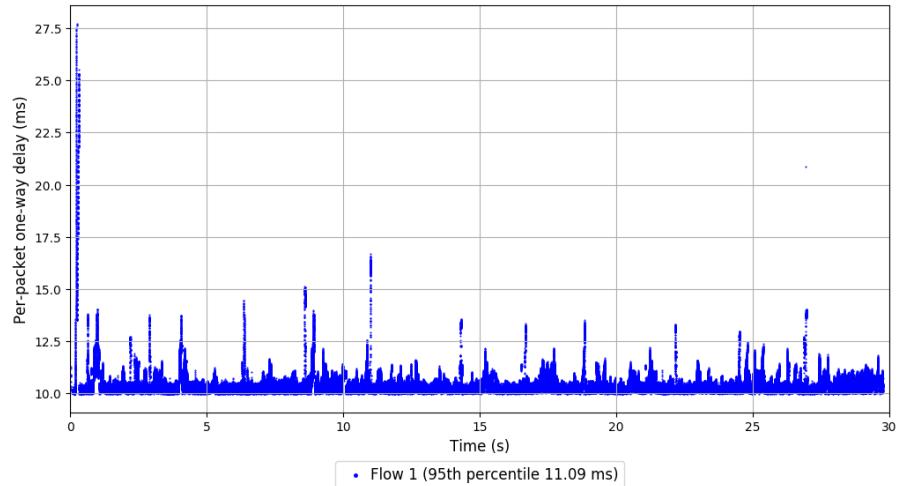
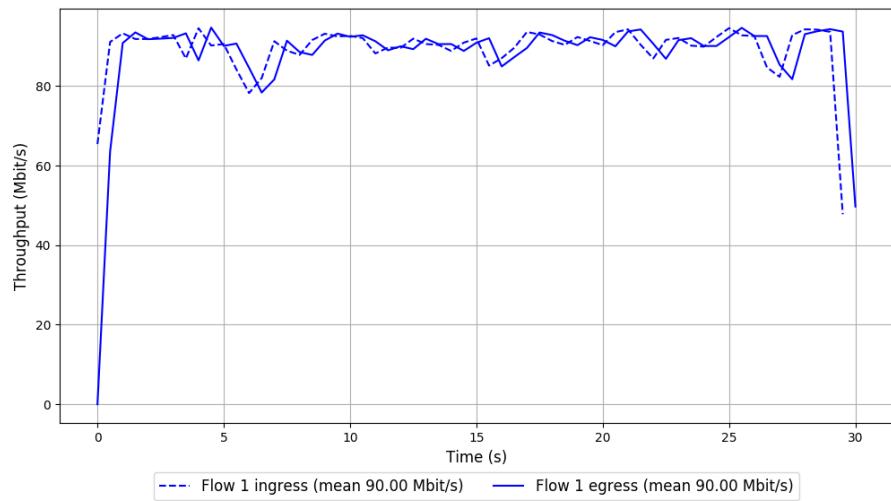


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 17:49:54
End at: 2019-07-17 17:50:24
Local clock offset: 2.407 ms
Remote clock offset: -0.482 ms

# Below is generated by plot.py at 2019-07-17 19:56:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 11.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 11.092 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

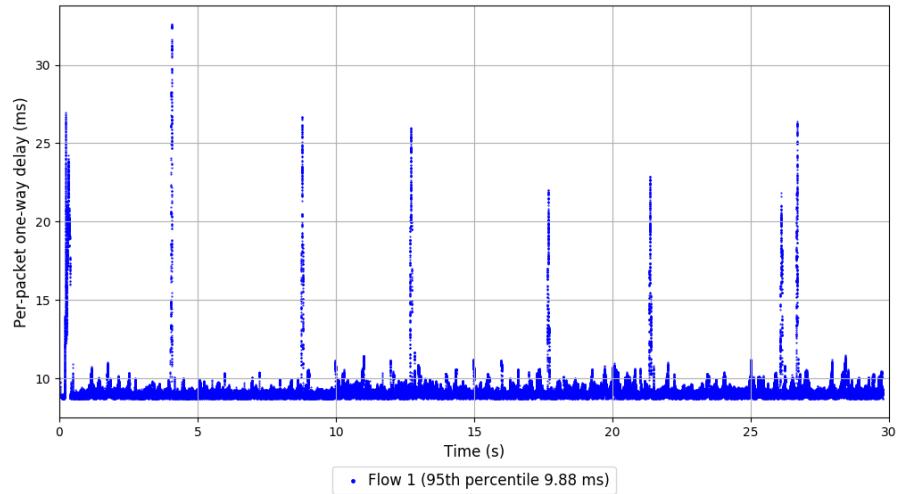
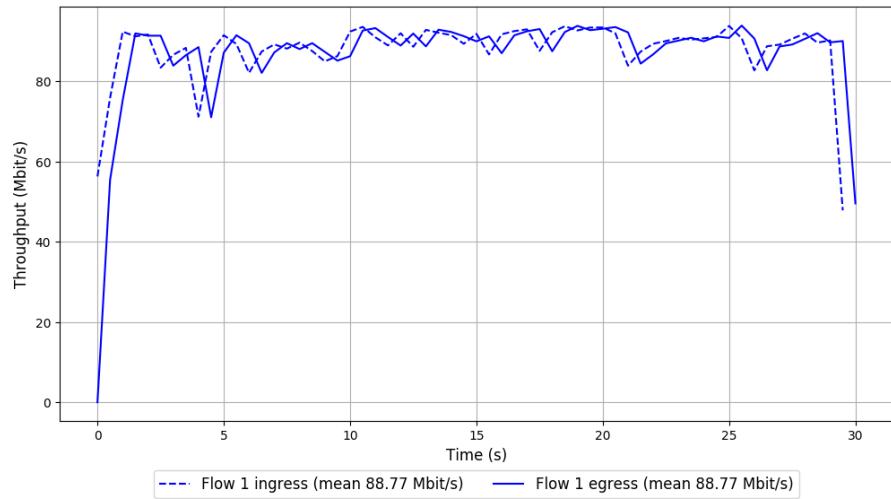


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 18:18:26
End at: 2019-07-17 18:18:56
Local clock offset: 0.952 ms
Remote clock offset: -0.508 ms

# Below is generated by plot.py at 2019-07-17 19:57:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 9.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 9.885 ms
Loss rate: 0.00%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

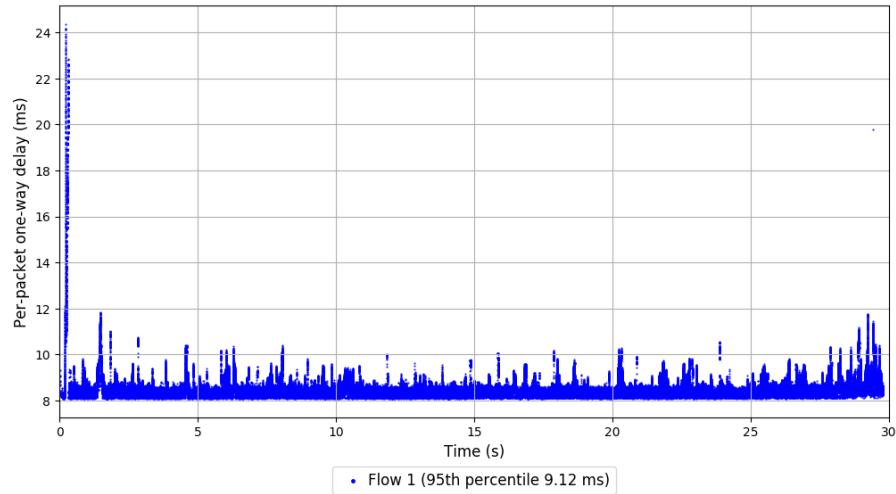
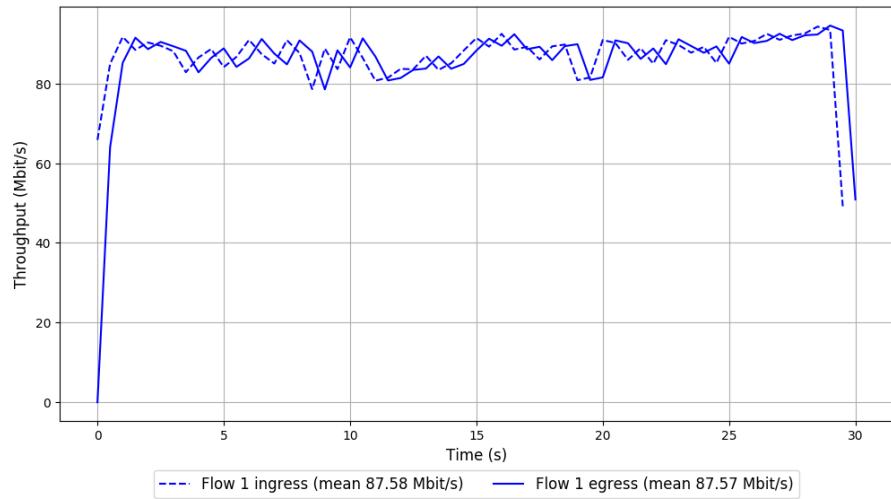


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 18:46:25
End at: 2019-07-17 18:46:55
Local clock offset: 0.712 ms
Remote clock offset: -0.305 ms

# Below is generated by plot.py at 2019-07-17 19:57:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 9.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 9.119 ms
Loss rate: 0.00%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

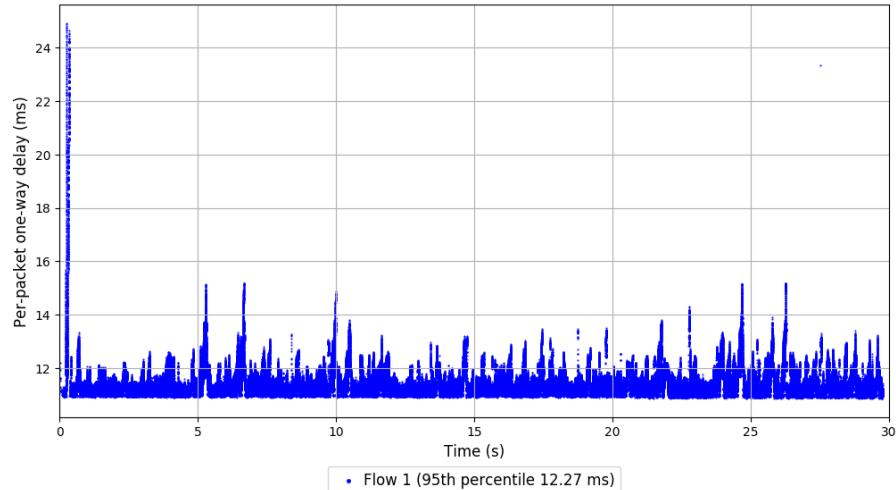
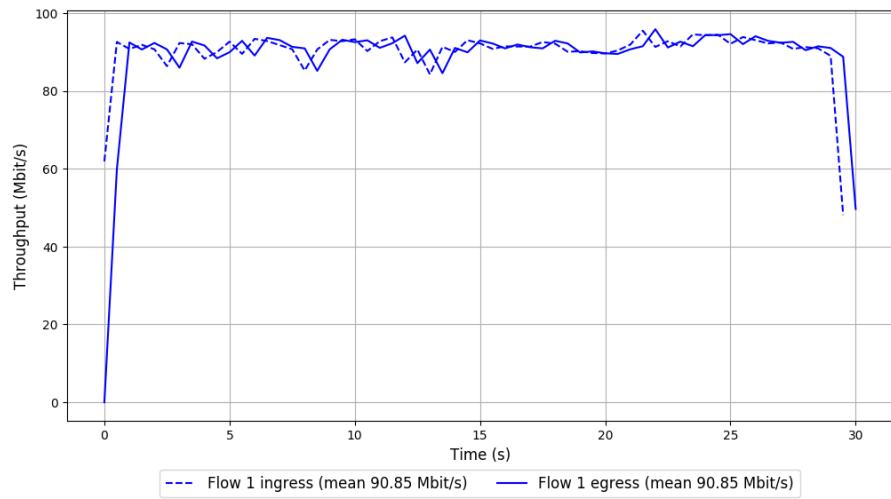


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 19:14:42
End at: 2019-07-17 19:15:12
Local clock offset: -2.376 ms
Remote clock offset: -0.942 ms

# Below is generated by plot.py at 2019-07-17 19:57:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 12.272 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 12.272 ms
Loss rate: 0.01%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

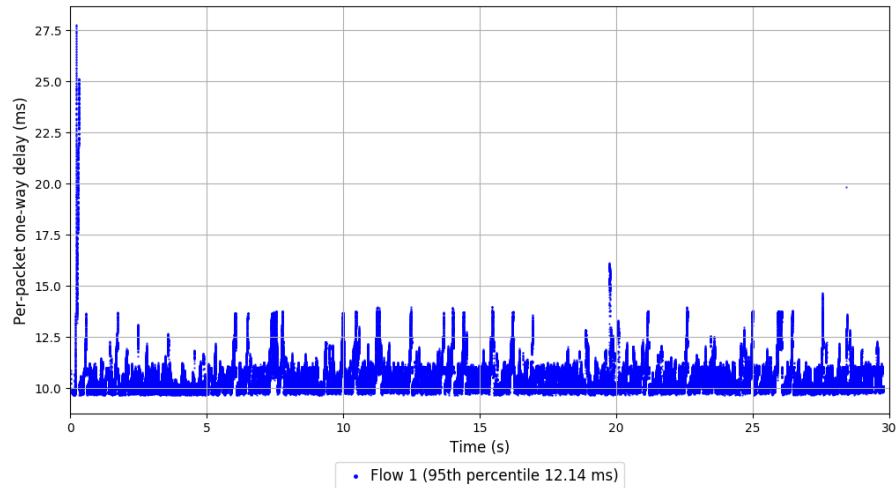
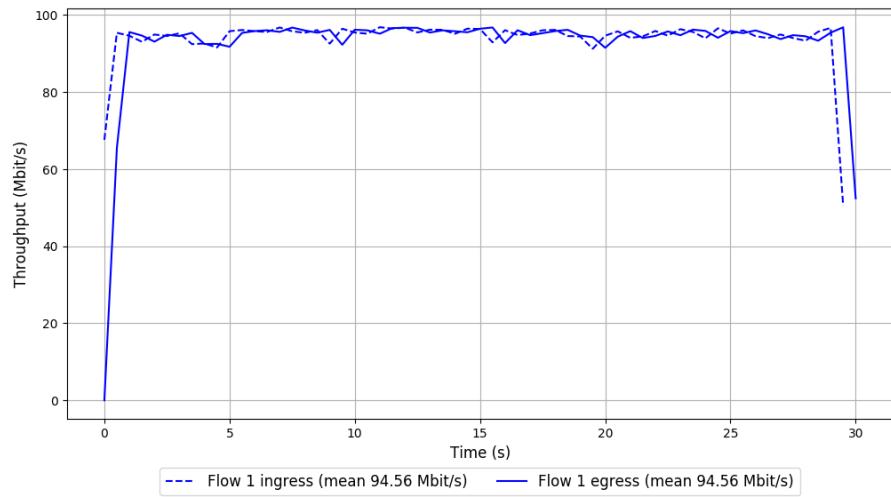


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 19:42:46
End at: 2019-07-17 19:43:16
Local clock offset: -2.251 ms
Remote clock offset: 0.286 ms

# Below is generated by plot.py at 2019-07-17 19:57:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 12.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 12.141 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

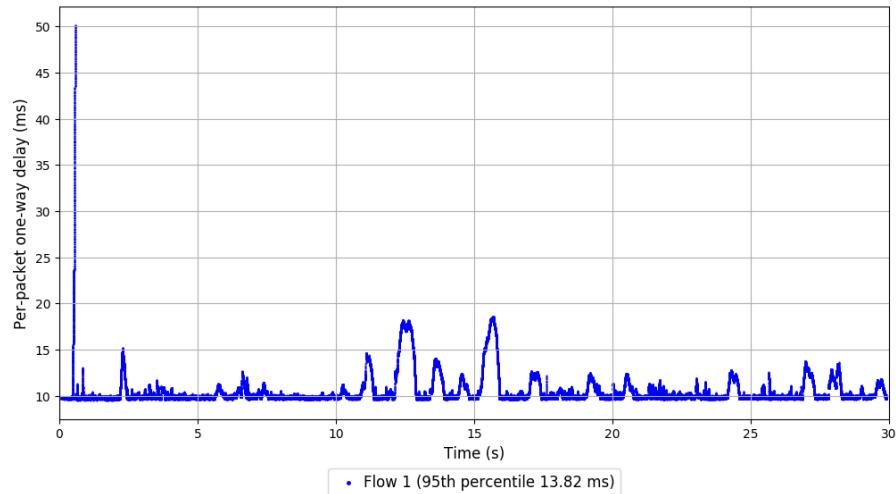
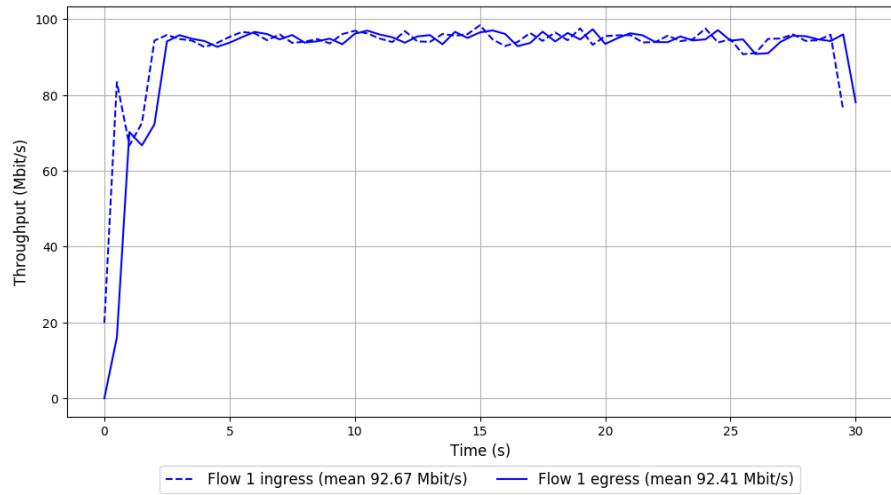


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-17 17:52:15
End at: 2019-07-17 17:52:45
Local clock offset: 2.881 ms
Remote clock offset: -0.452 ms

# Below is generated by plot.py at 2019-07-17 19:57:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.28%
```

Run 1: Report of PCC-Allegro — Data Link

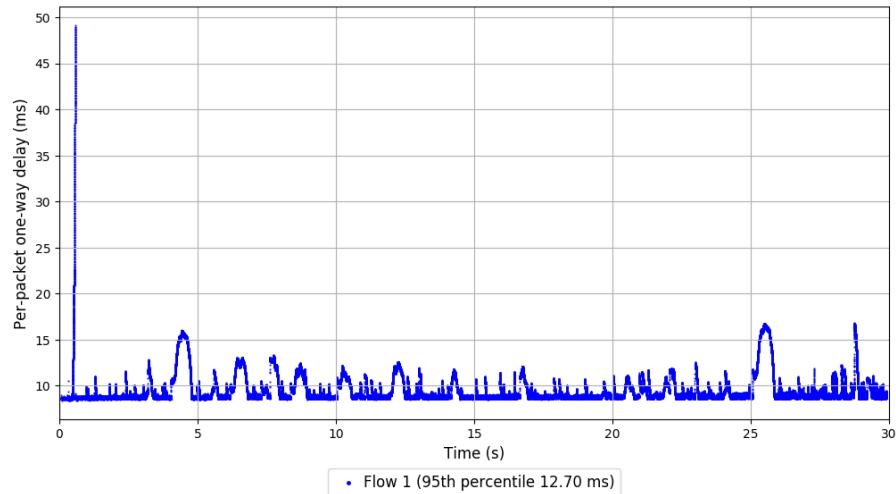
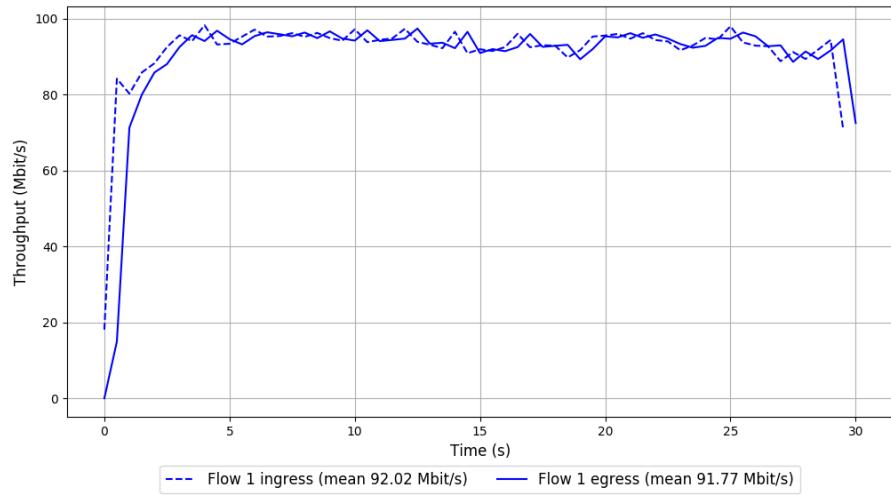


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-17 18:20:54
End at: 2019-07-17 18:21:24
Local clock offset: 1.274 ms
Remote clock offset: -0.486 ms

# Below is generated by plot.py at 2019-07-17 19:57:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 12.704 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 12.704 ms
Loss rate: 0.27%
```

Run 2: Report of PCC-Allegro — Data Link

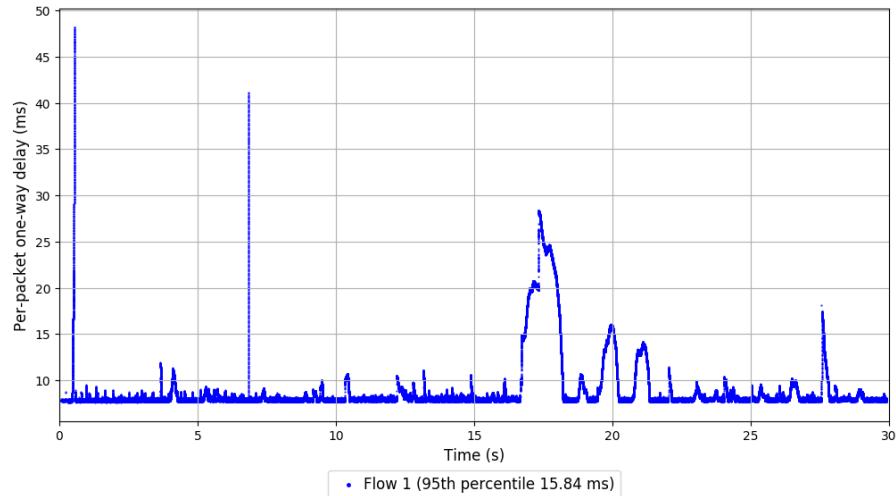
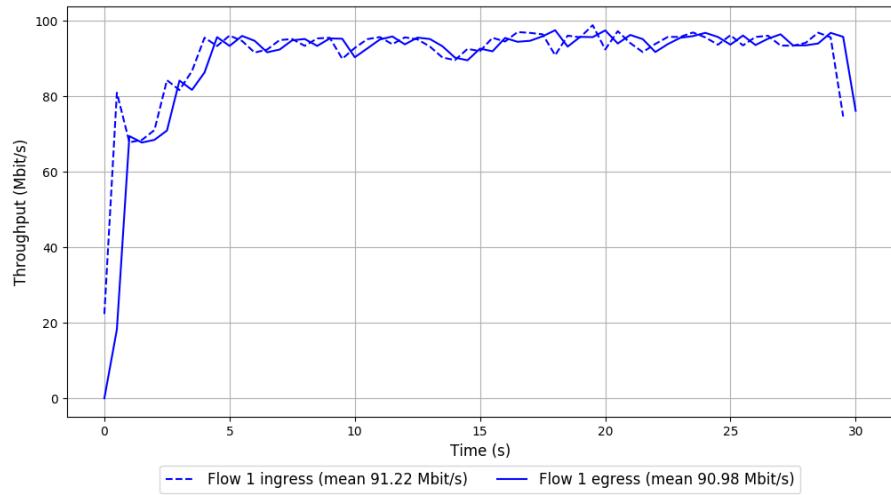


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-17 18:48:45
End at: 2019-07-17 18:49:15
Local clock offset: 0.491 ms
Remote clock offset: -0.883 ms

# Below is generated by plot.py at 2019-07-17 19:57:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 15.835 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 15.835 ms
Loss rate: 0.27%
```

Run 3: Report of PCC-Allegro — Data Link

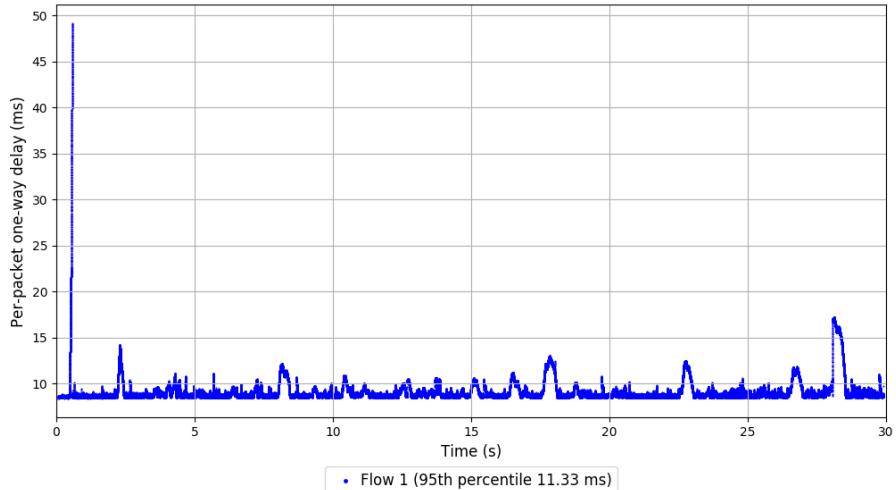
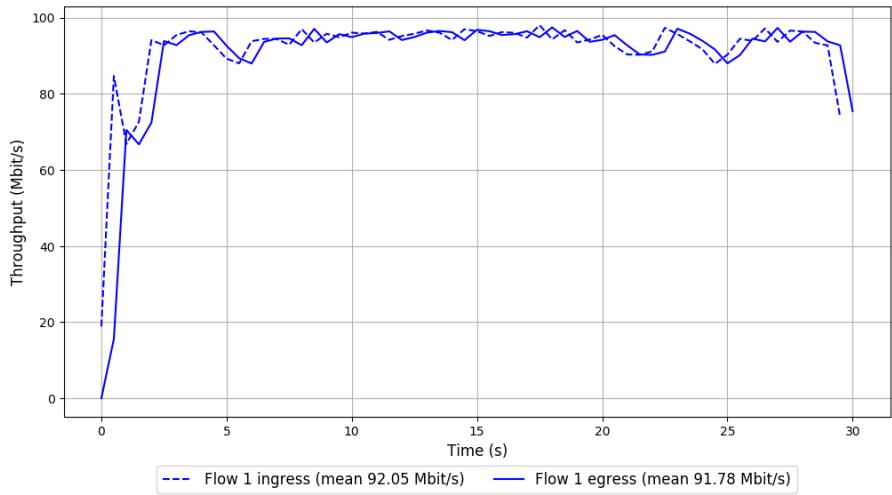


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-17 19:17:05
End at: 2019-07-17 19:17:35
Local clock offset: -2.352 ms
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2019-07-17 19:58:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 11.330 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 11.330 ms
Loss rate: 0.30%
```

Run 4: Report of PCC-Allegro — Data Link

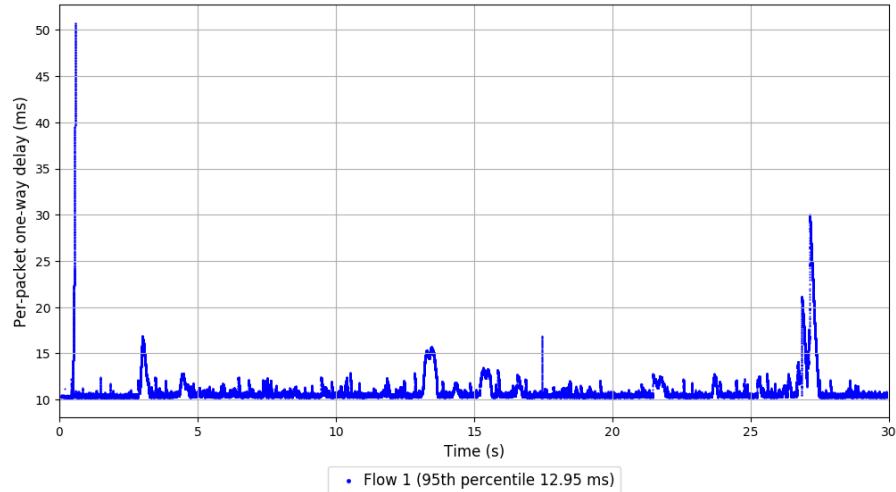
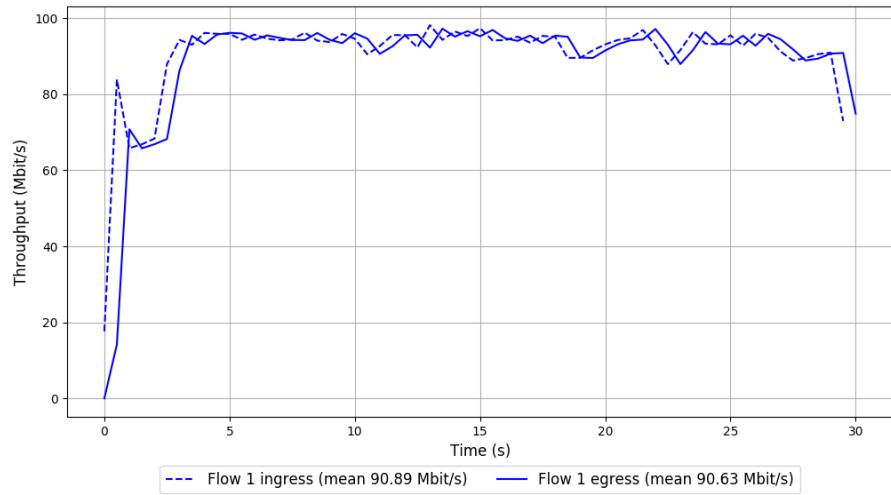


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-17 19:45:11
End at: 2019-07-17 19:45:41
Local clock offset: -2.811 ms
Remote clock offset: 0.261 ms

# Below is generated by plot.py at 2019-07-17 19:58:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 12.946 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 12.946 ms
Loss rate: 0.28%
```

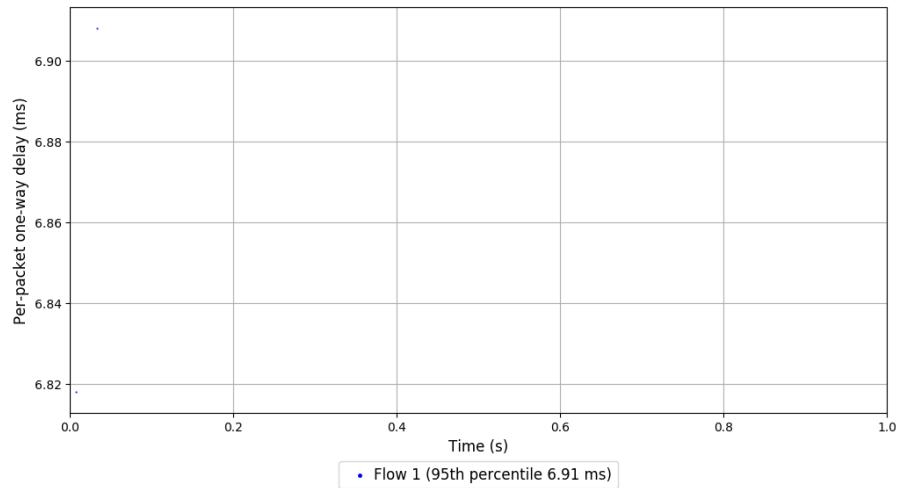
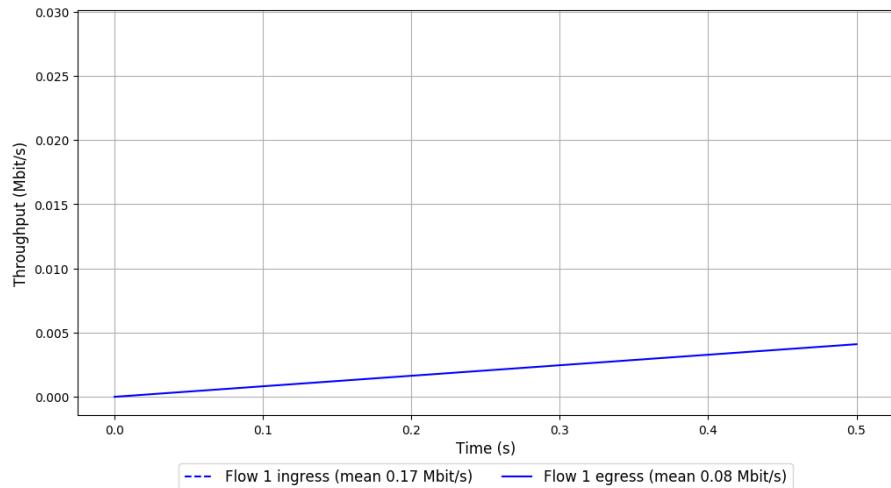
Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-07-17 17:39:27
End at: 2019-07-17 17:39:57
Local clock offset: 2.68 ms
Remote clock offset: -3.337 ms

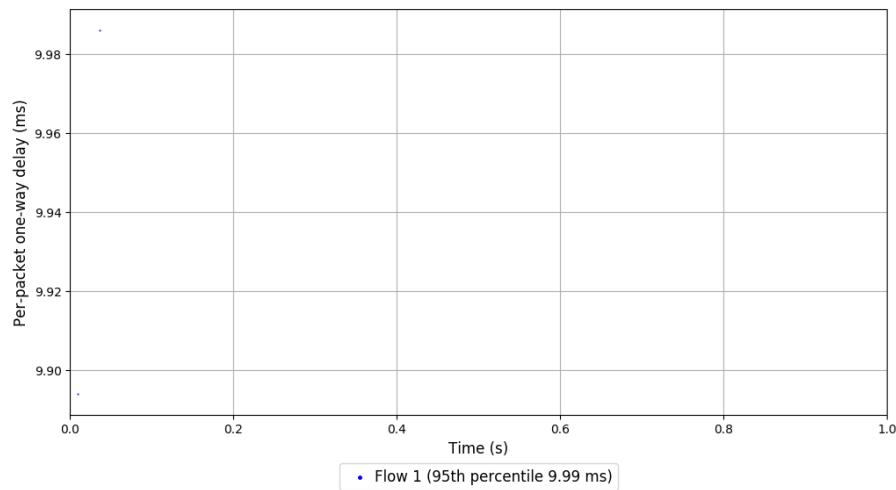
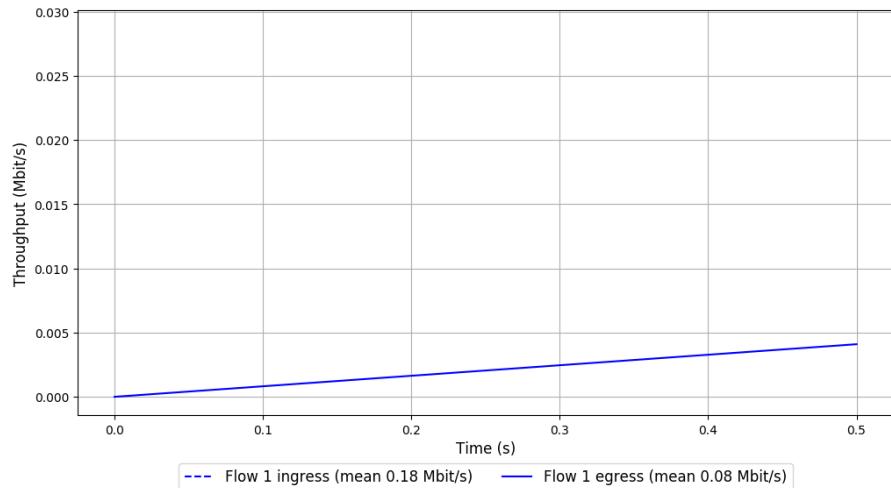
Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-07-17 18:07:38
End at: 2019-07-17 18:08:08
Local clock offset: 0.494 ms
Remote clock offset: -0.165 ms

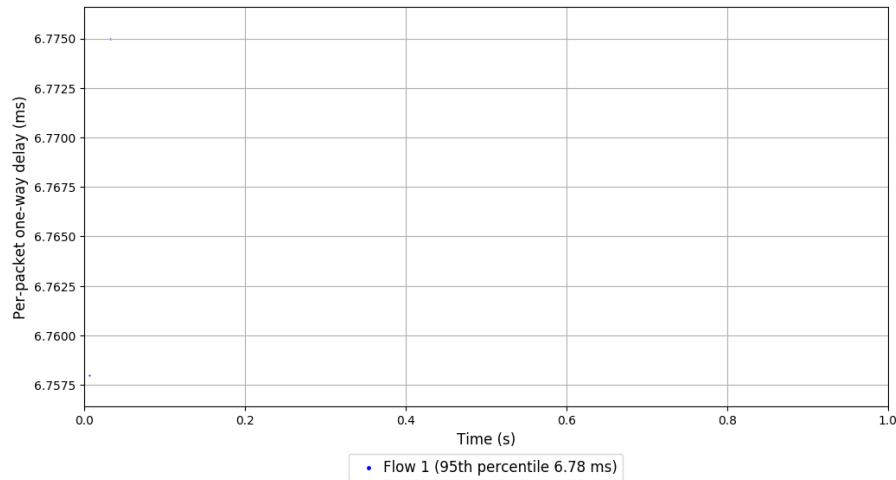
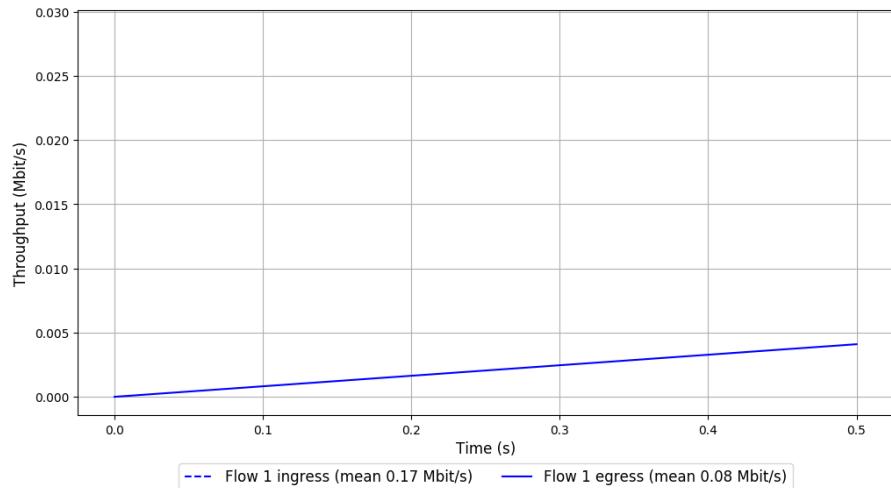
Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-07-17 18:36:07
End at: 2019-07-17 18:36:37
Local clock offset: -6.607 ms
Remote clock offset: -8.896 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

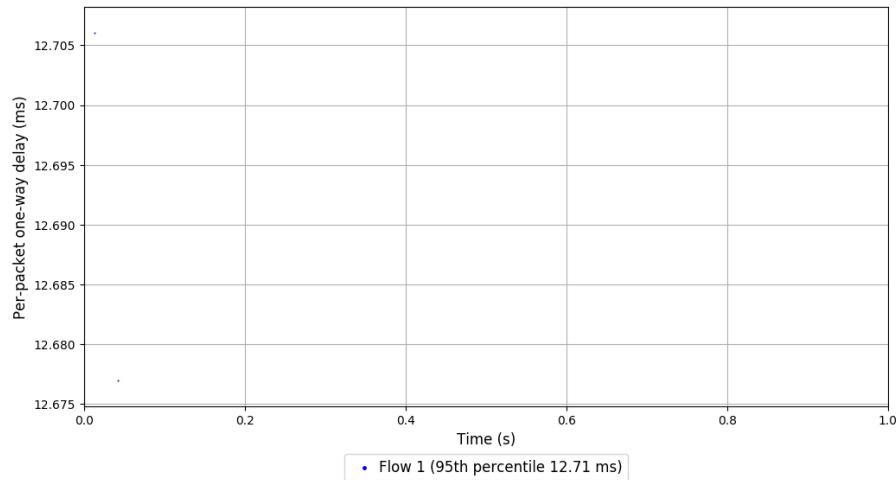
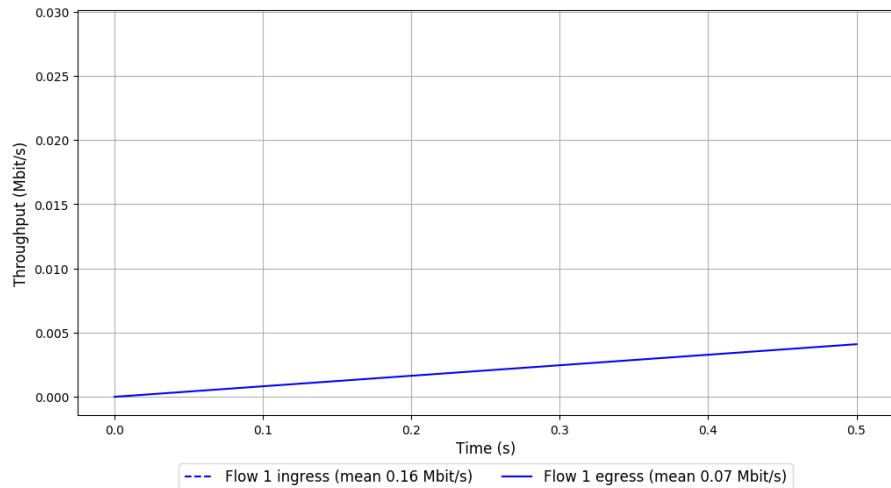
Start at: 2019-07-17 19:03:54

End at: 2019-07-17 19:04:24

Local clock offset: -2.384 ms

Remote clock offset: -0.065 ms

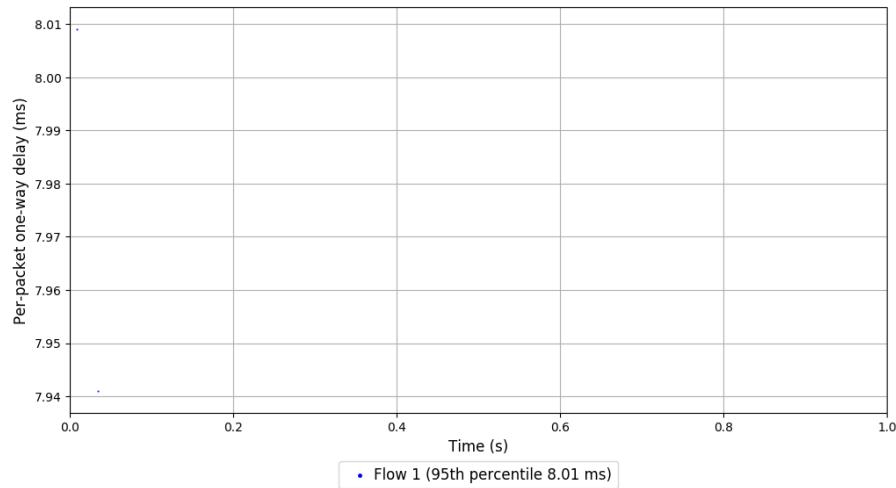
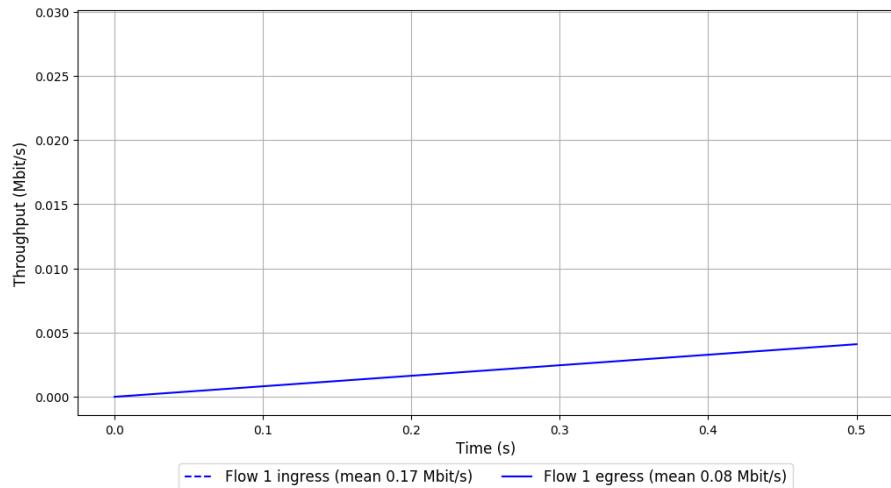
Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-07-17 19:32:21
End at: 2019-07-17 19:32:51
Local clock offset: -2.164 ms
Remote clock offset: -1.232 ms

Run 5: Report of PCC-Expr — Data Link

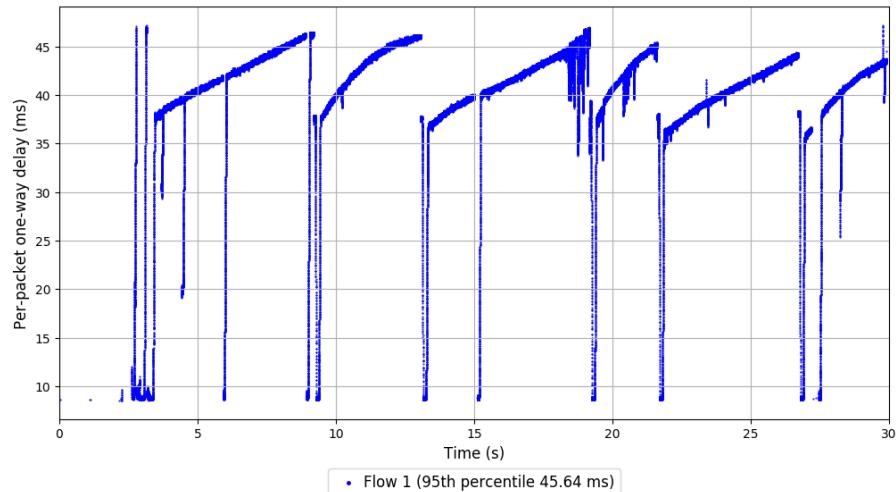
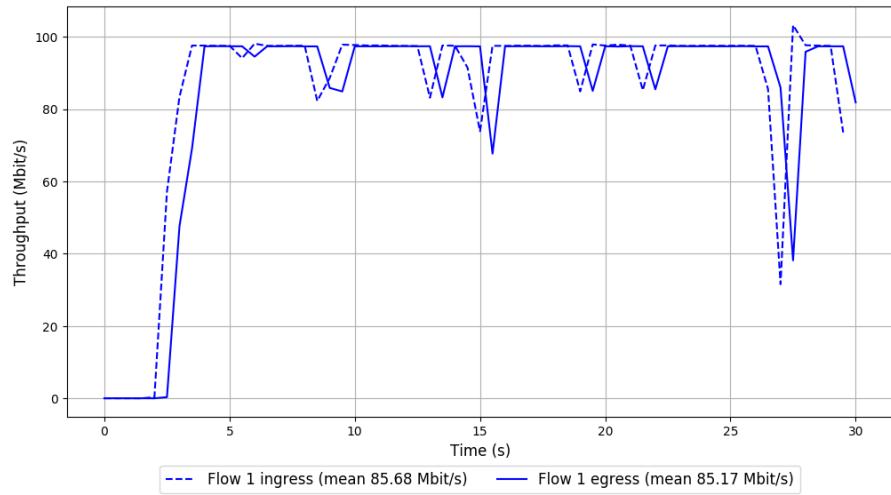


Run 1: Statistics of QUIC Cubic

```
Start at: 2019-07-17 17:42:58
End at: 2019-07-17 17:43:28
Local clock offset: 1.747 ms
Remote clock offset: -2.489 ms

# Below is generated by plot.py at 2019-07-17 19:58:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 45.638 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 45.638 ms
Loss rate: 0.47%
```

Run 1: Report of QUIC Cubic — Data Link

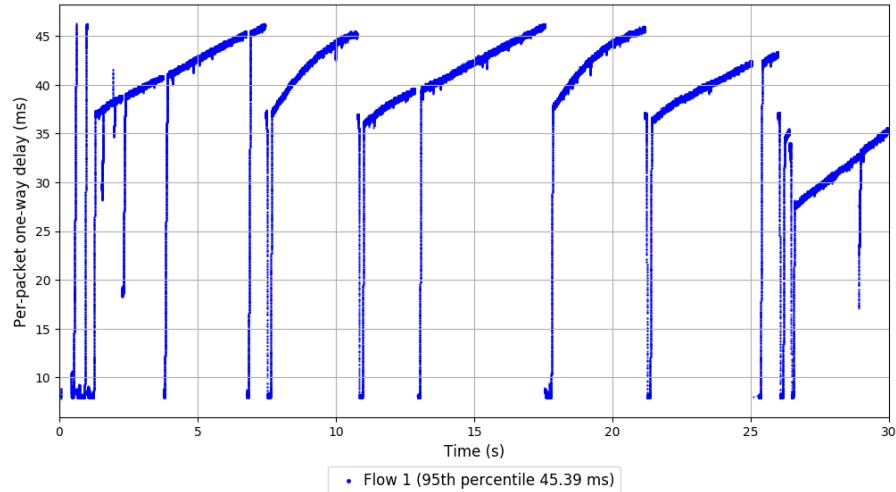
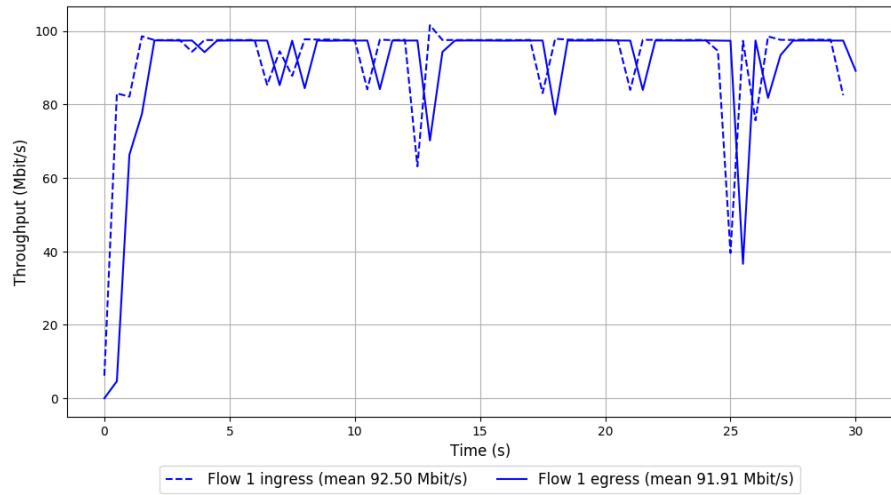


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-17 18:11:06
End at: 2019-07-17 18:11:37
Local clock offset: 0.697 ms
Remote clock offset: -1.668 ms

# Below is generated by plot.py at 2019-07-17 19:59:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 45.390 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 45.390 ms
Loss rate: 0.55%
```

Run 2: Report of QUIC Cubic — Data Link

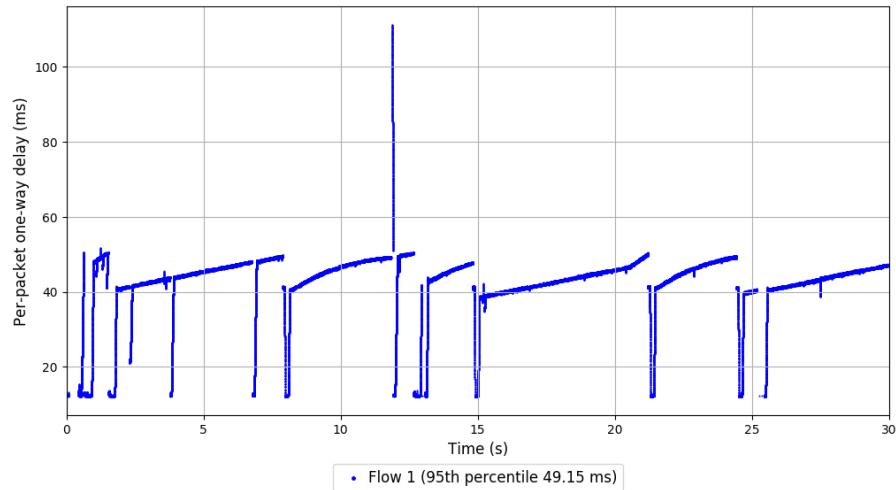
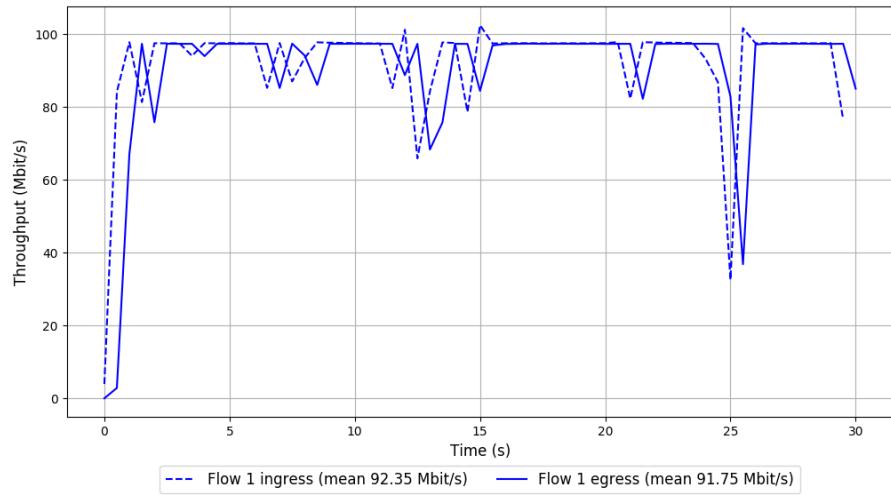


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-17 18:39:34
End at: 2019-07-17 18:40:04
Local clock offset: -0.161 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2019-07-17 19:59:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 49.150 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 49.150 ms
Loss rate: 0.55%
```

Run 3: Report of QUIC Cubic — Data Link

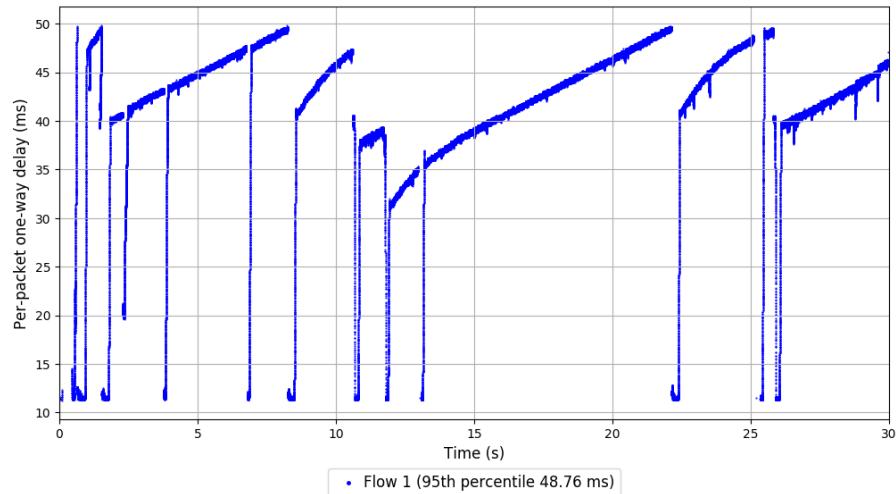
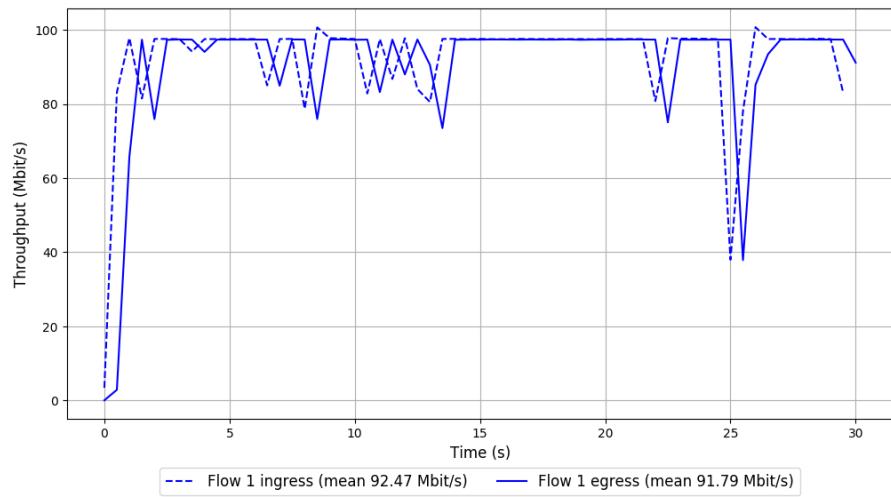


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-17 19:07:33
End at: 2019-07-17 19:08:03
Local clock offset: -1.666 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-07-17 19:59:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 48.763 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 48.763 ms
Loss rate: 0.63%
```

Run 4: Report of QUIC Cubic — Data Link

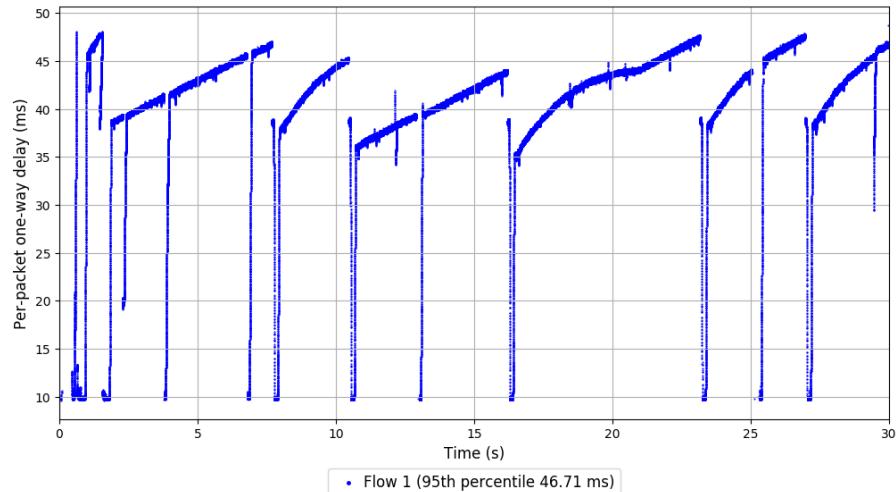
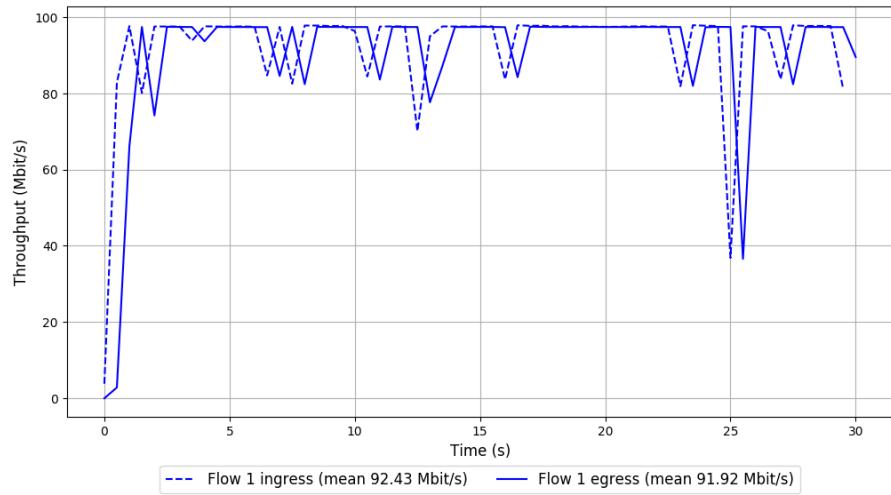


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-17 19:35:51
End at: 2019-07-17 19:36:21
Local clock offset: -1.481 ms
Remote clock offset: -1.905 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 46.708 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 46.708 ms
Loss rate: 0.44%
```

Run 5: Report of QUIC Cubic — Data Link

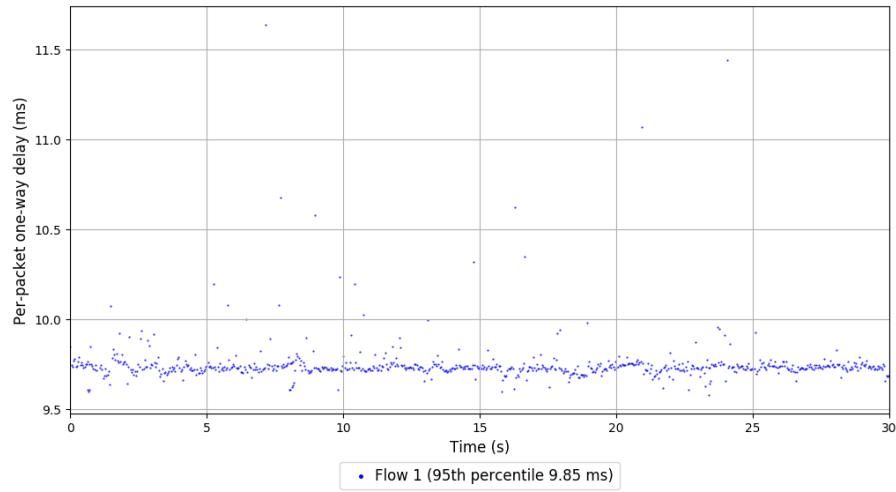
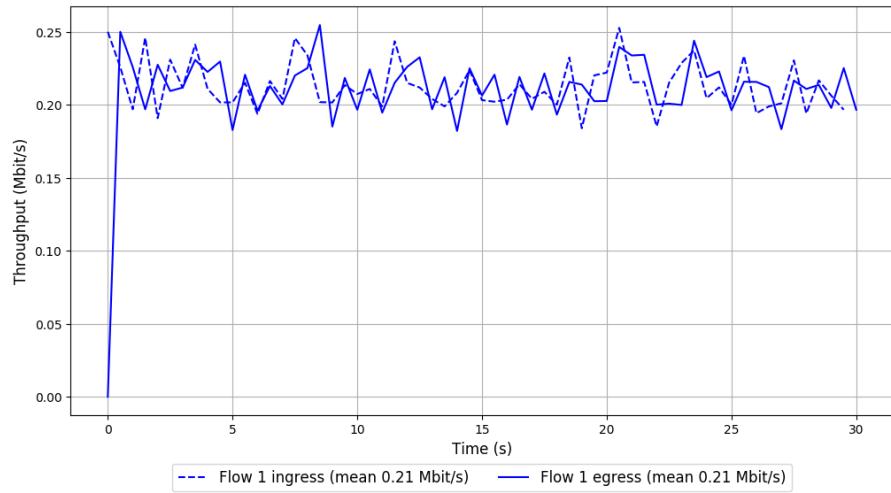


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-07-17 17:48:49
End at: 2019-07-17 17:49:19
Local clock offset: 3.355 ms
Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.847 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

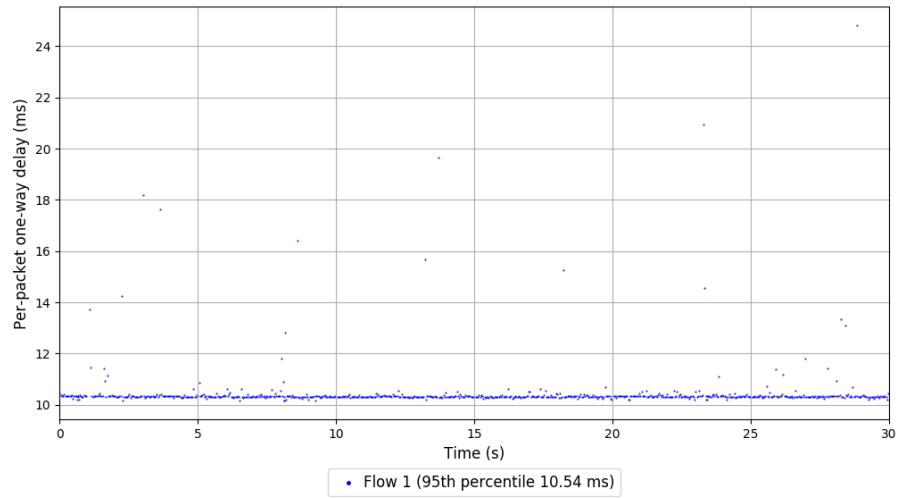
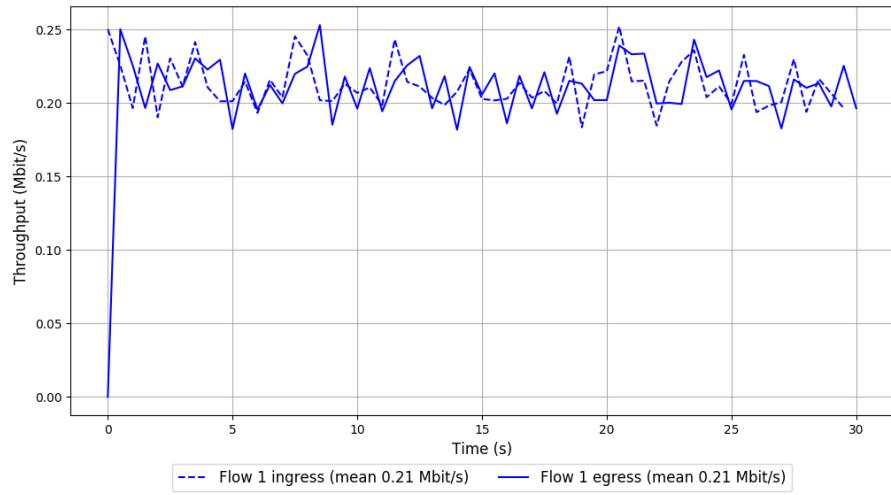


Run 2: Statistics of SCReAM

```
Start at: 2019-07-17 18:17:21
End at: 2019-07-17 18:17:51
Local clock offset: 1.423 ms
Remote clock offset: 1.283 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.545 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

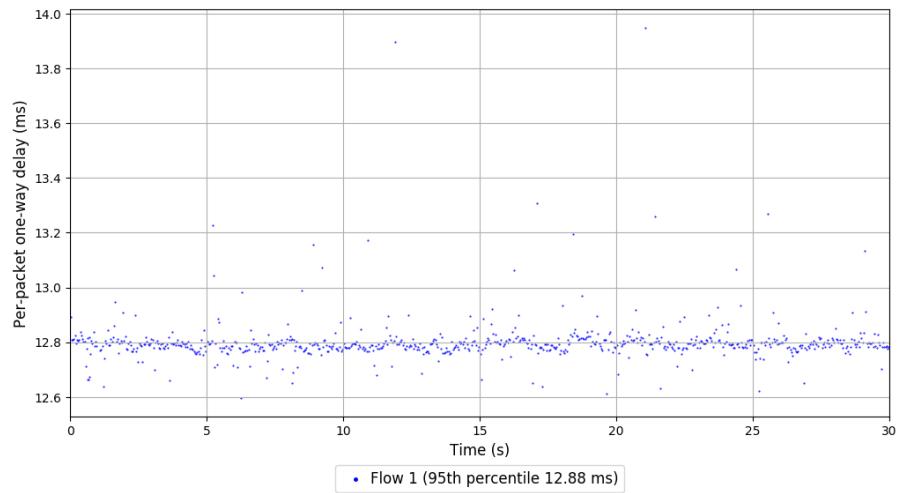
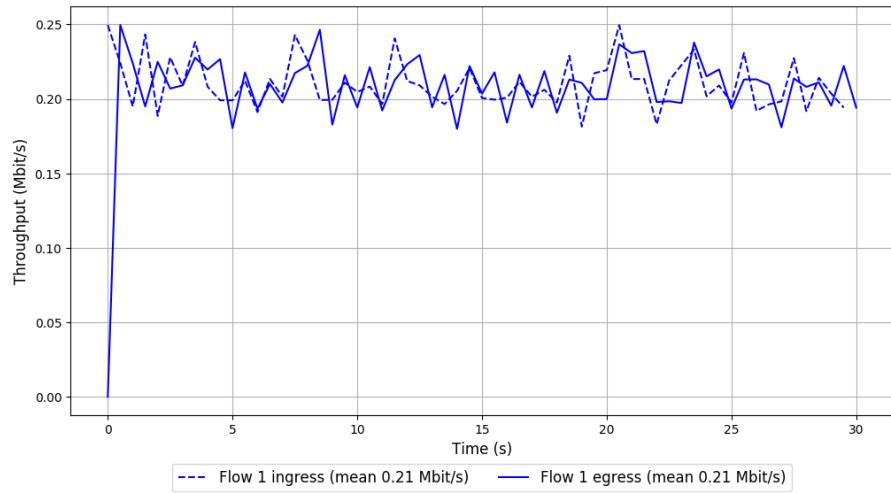


Run 3: Statistics of SCReAM

```
Start at: 2019-07-17 18:45:20
End at: 2019-07-17 18:45:50
Local clock offset: -0.304 ms
Remote clock offset: 0.166 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.885 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

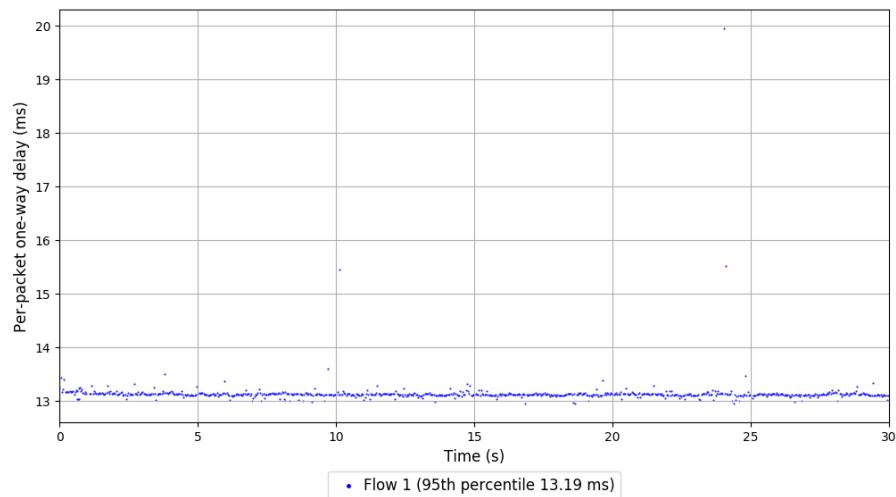
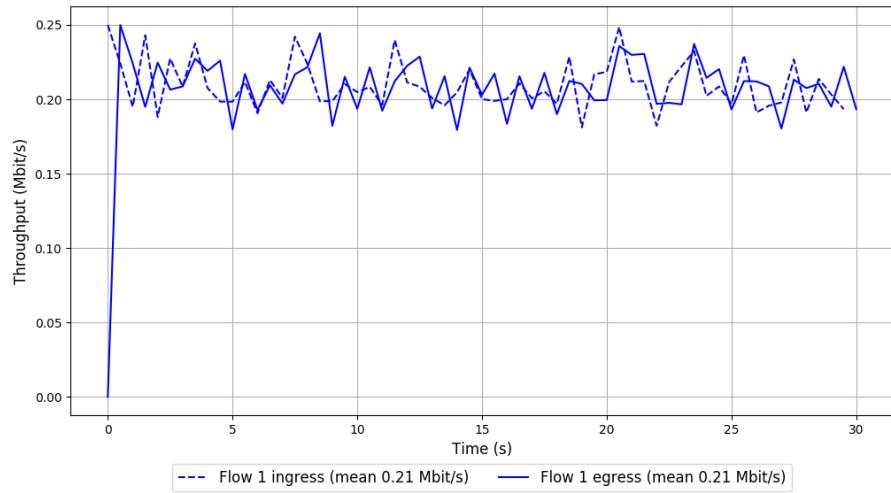


Run 4: Statistics of SCReAM

```
Start at: 2019-07-17 19:13:37
End at: 2019-07-17 19:14:07
Local clock offset: -3.003 ms
Remote clock offset: 0.479 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.193 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

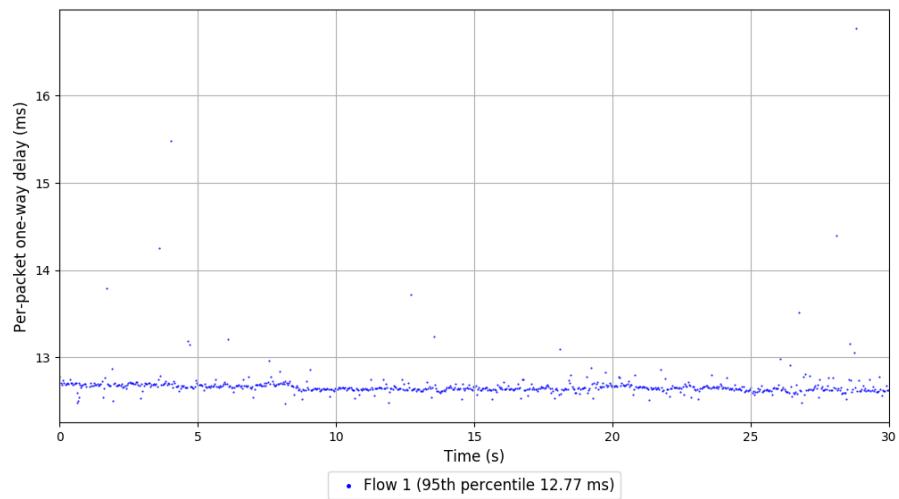
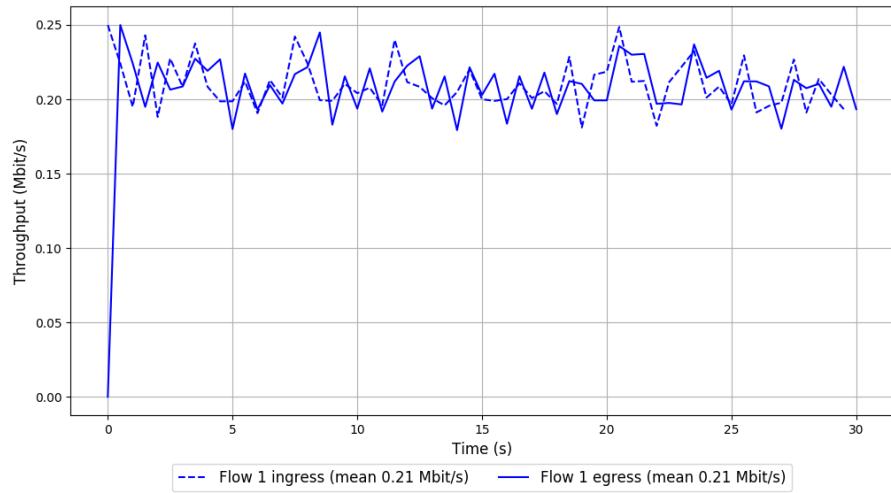


Run 5: Statistics of SCReAM

```
Start at: 2019-07-17 19:41:41
End at: 2019-07-17 19:42:11
Local clock offset: -1.584 ms
Remote clock offset: 0.514 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.766 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

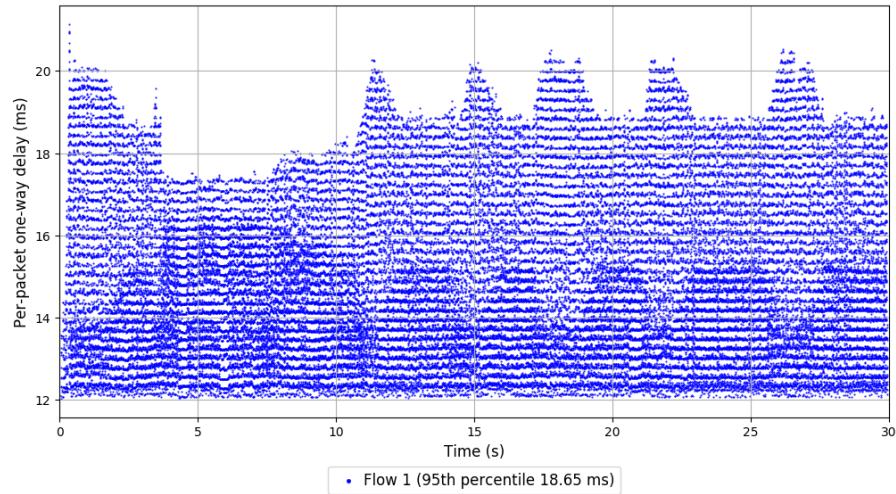
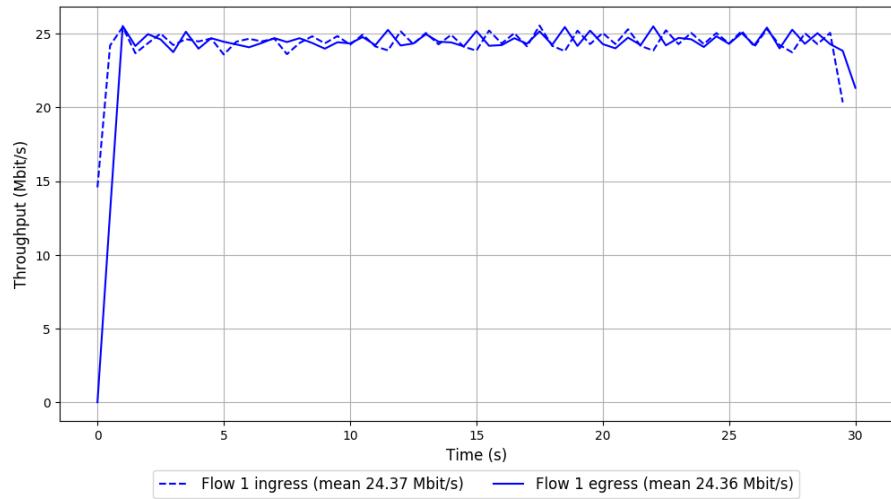


Run 1: Statistics of Sprout

```
Start at: 2019-07-17 17:46:36
End at: 2019-07-17 17:47:06
Local clock offset: 2.168 ms
Remote clock offset: -1.705 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 18.651 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 18.651 ms
Loss rate: 0.02%
```

Run 1: Report of Sprout — Data Link

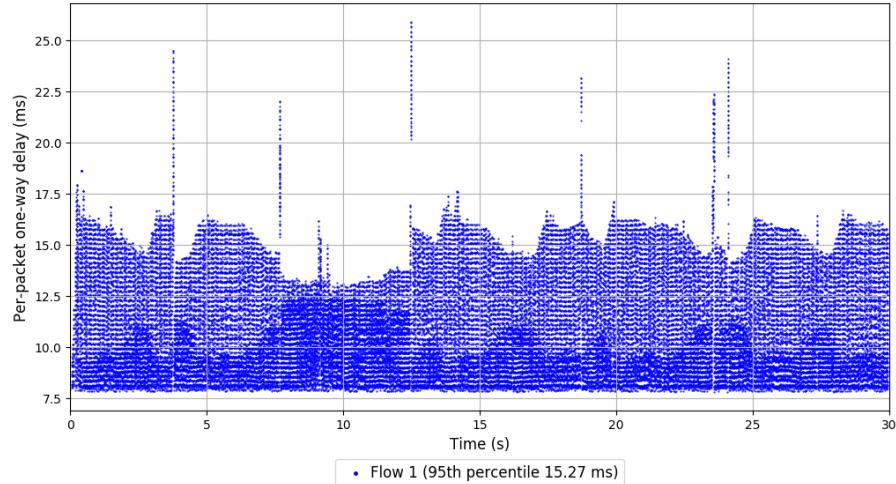
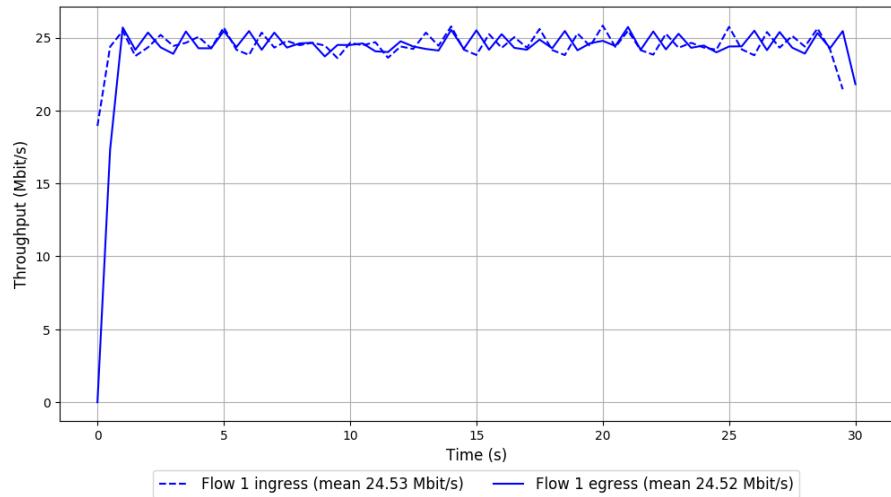


Run 2: Statistics of Sprout

```
Start at: 2019-07-17 18:15:07
End at: 2019-07-17 18:15:37
Local clock offset: 0.949 ms
Remote clock offset: -1.425 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 15.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 15.267 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

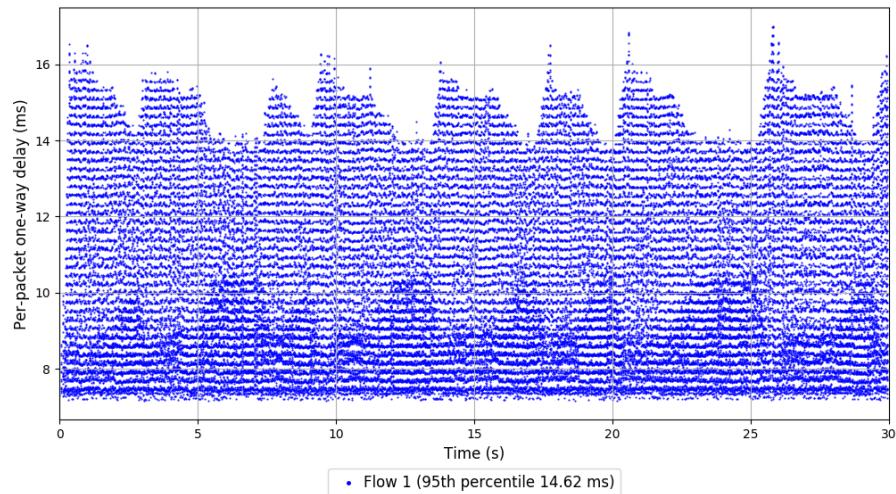
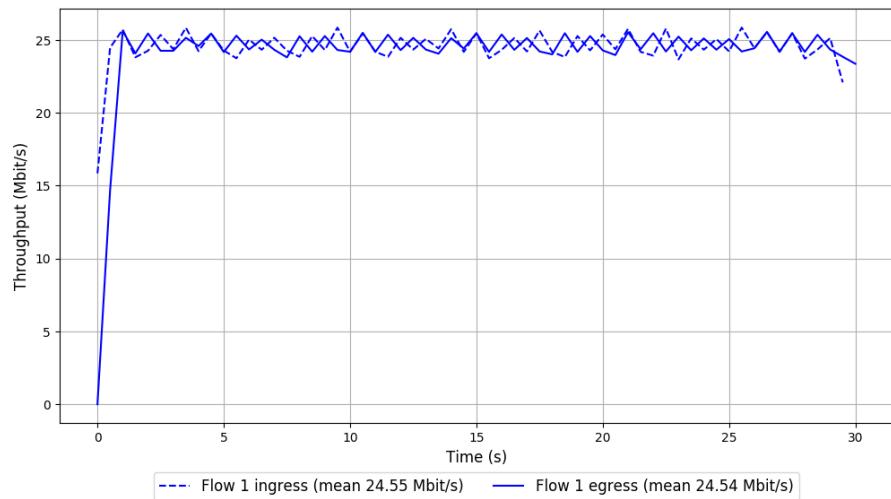


Run 3: Statistics of Sprout

```
Start at: 2019-07-17 18:43:08
End at: 2019-07-17 18:43:38
Local clock offset: 0.938 ms
Remote clock offset: -0.856 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 14.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 14.617 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

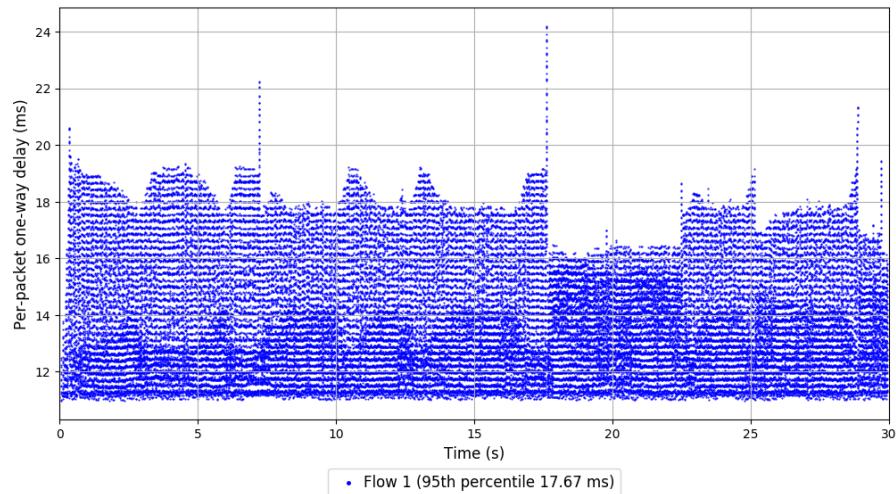
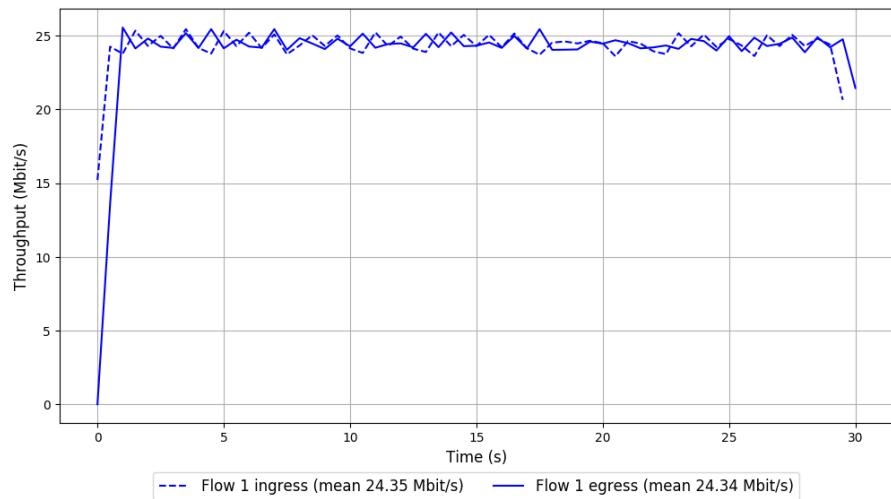


Run 4: Statistics of Sprout

```
Start at: 2019-07-17 19:11:23
End at: 2019-07-17 19:11:53
Local clock offset: -2.421 ms
Remote clock offset: -1.018 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 17.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 17.667 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

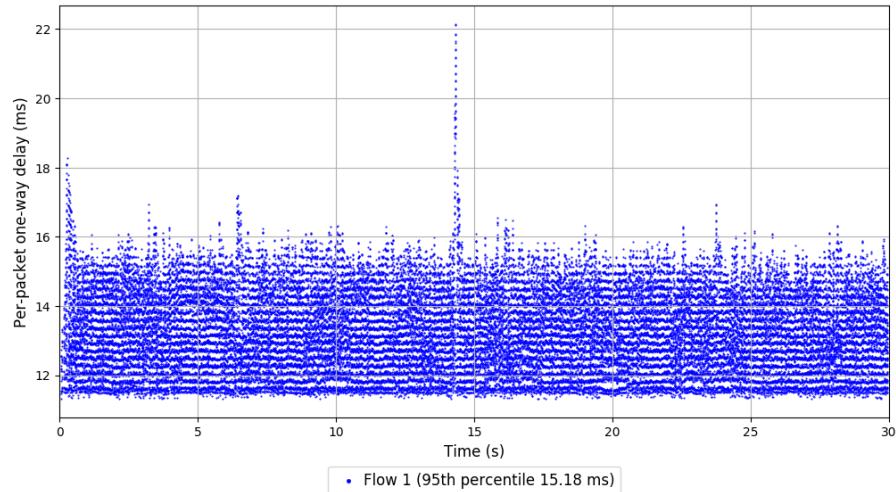
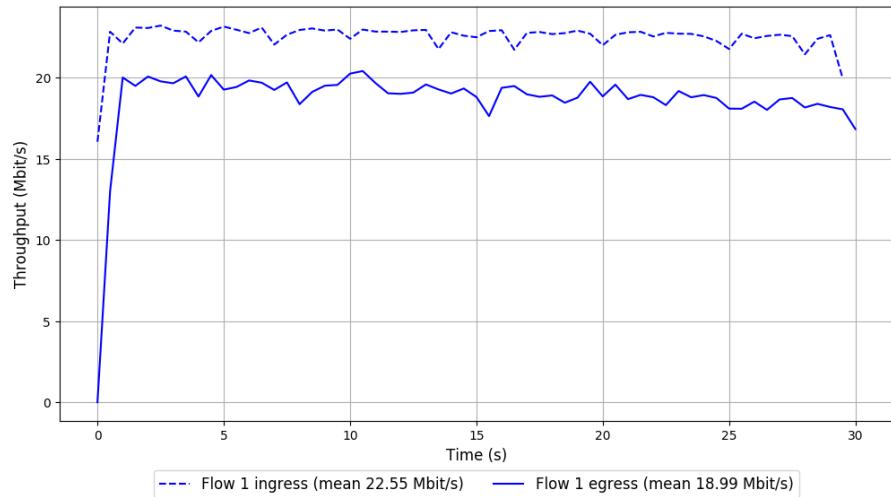


Run 5: Statistics of Sprout

```
Start at: 2019-07-17 19:39:28
End at: 2019-07-17 19:39:58
Local clock offset: -2.471 ms
Remote clock offset: -1.606 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.99 Mbit/s
95th percentile per-packet one-way delay: 15.180 ms
Loss rate: 15.78%
-- Flow 1:
Average throughput: 18.99 Mbit/s
95th percentile per-packet one-way delay: 15.180 ms
Loss rate: 15.78%
```

Run 5: Report of Sprout — Data Link

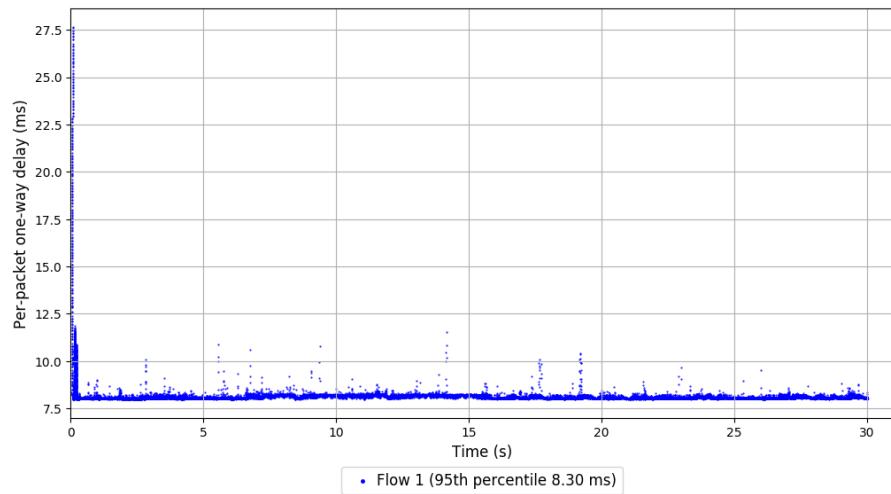
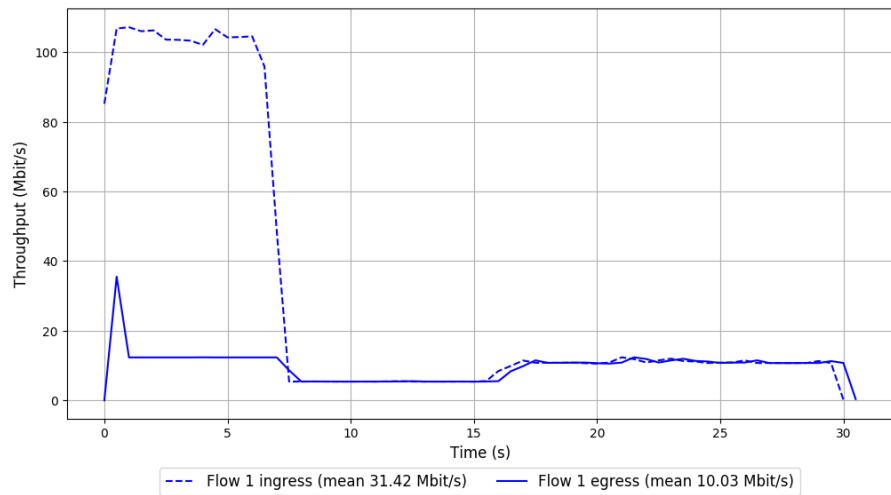


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-17 17:47:43
End at: 2019-07-17 17:48:13
Local clock offset: 3.348 ms
Remote clock offset: -1.337 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.03 Mbit/s
95th percentile per-packet one-way delay: 8.303 ms
Loss rate: 68.09%
-- Flow 1:
Average throughput: 10.03 Mbit/s
95th percentile per-packet one-way delay: 8.303 ms
Loss rate: 68.09%
```

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

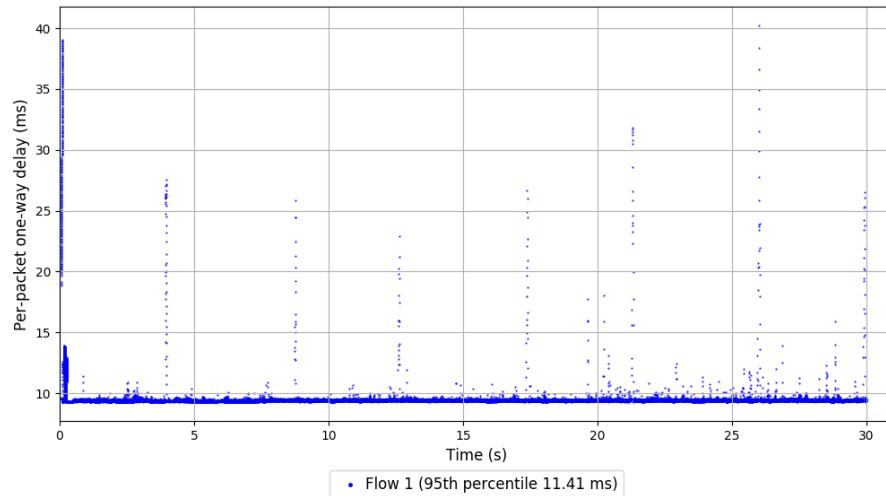
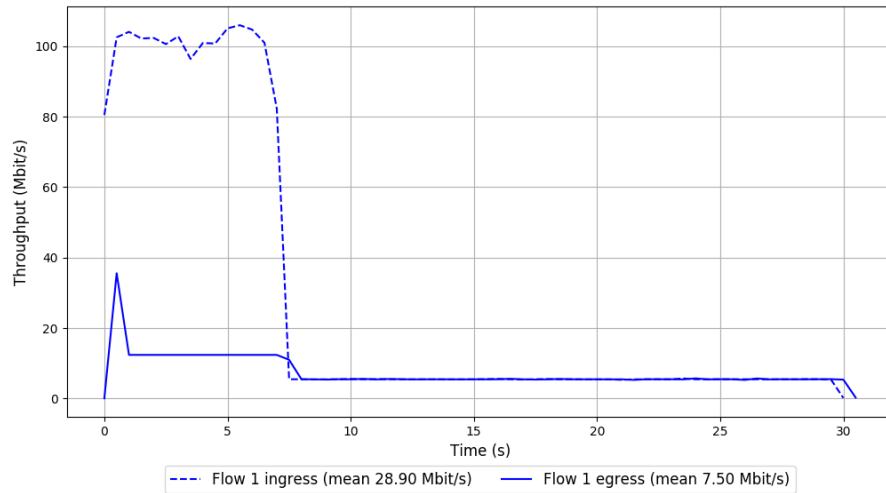


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-17 18:16:14
End at: 2019-07-17 18:16:44
Local clock offset: 0.329 ms
Remote clock offset: -0.555 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 11.413 ms
Loss rate: 74.06%
-- Flow 1:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 11.413 ms
Loss rate: 74.06%
```

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

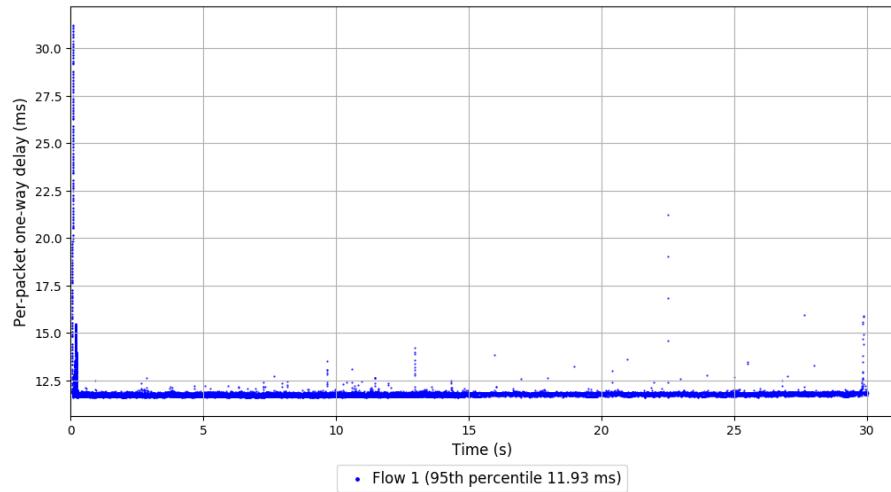
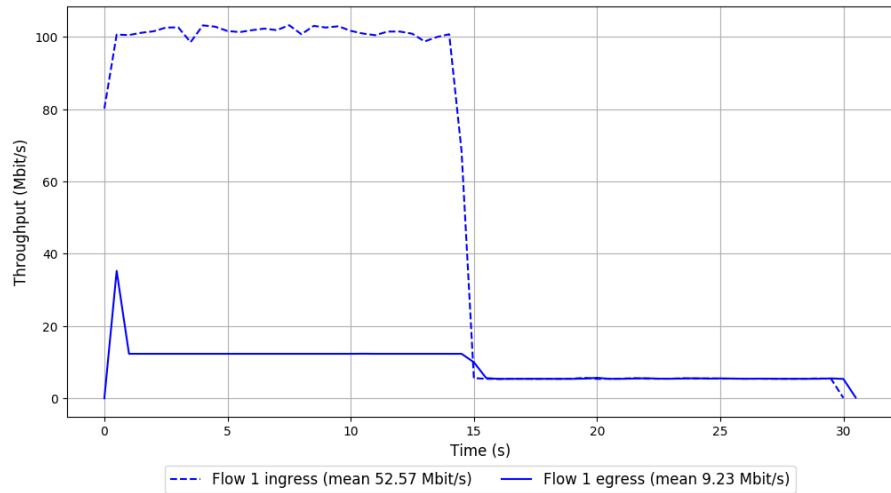


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-17 18:44:14
End at: 2019-07-17 18:44:44
Local clock offset: -0.104 ms
Remote clock offset: -0.747 ms

# Below is generated by plot.py at 2019-07-17 19:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 11.925 ms
Loss rate: 82.45%
-- Flow 1:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 11.925 ms
Loss rate: 82.45%
```

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

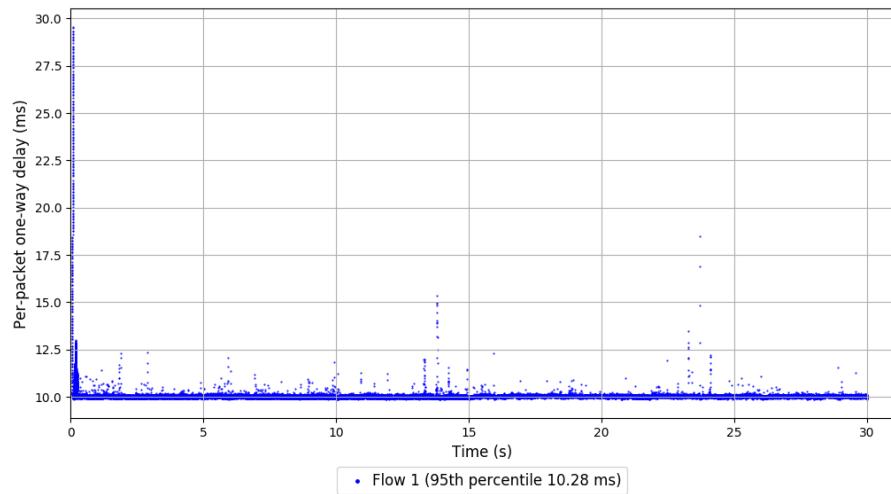
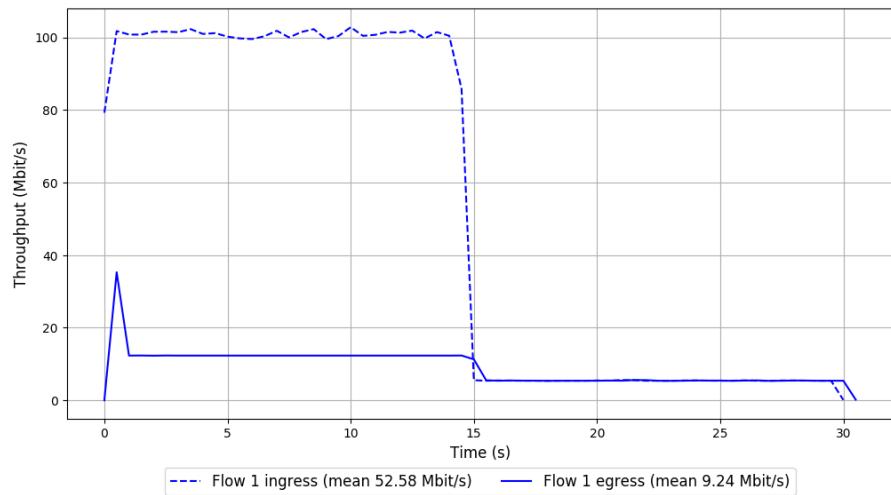


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-17 19:12:31
End at: 2019-07-17 19:13:01
Local clock offset: -2.836 ms
Remote clock offset: -2.506 ms

# Below is generated by plot.py at 2019-07-17 19:59:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 10.280 ms
Loss rate: 82.43%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 10.280 ms
Loss rate: 82.43%
```

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

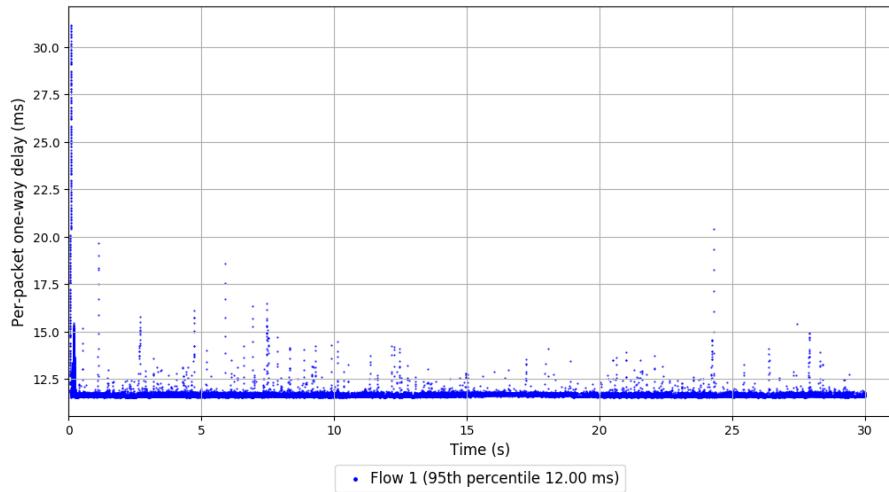
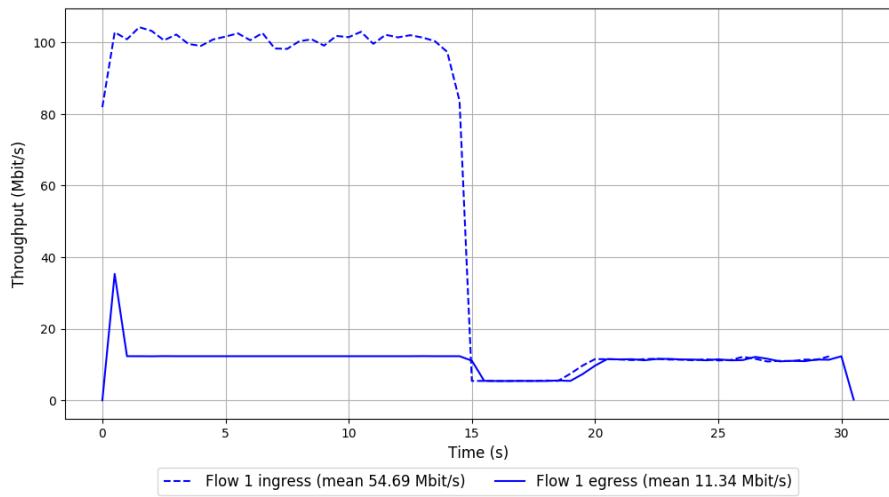


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-17 19:40:34
End at: 2019-07-17 19:41:04
Local clock offset: -2.801 ms
Remote clock offset: -1.531 ms

# Below is generated by plot.py at 2019-07-17 19:59:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 11.999 ms
Loss rate: 79.27%
-- Flow 1:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 11.999 ms
Loss rate: 79.27%
```

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

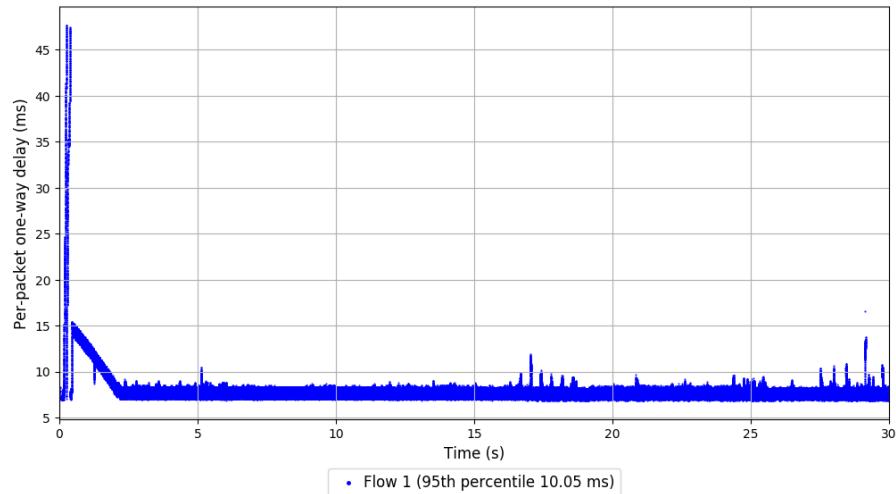
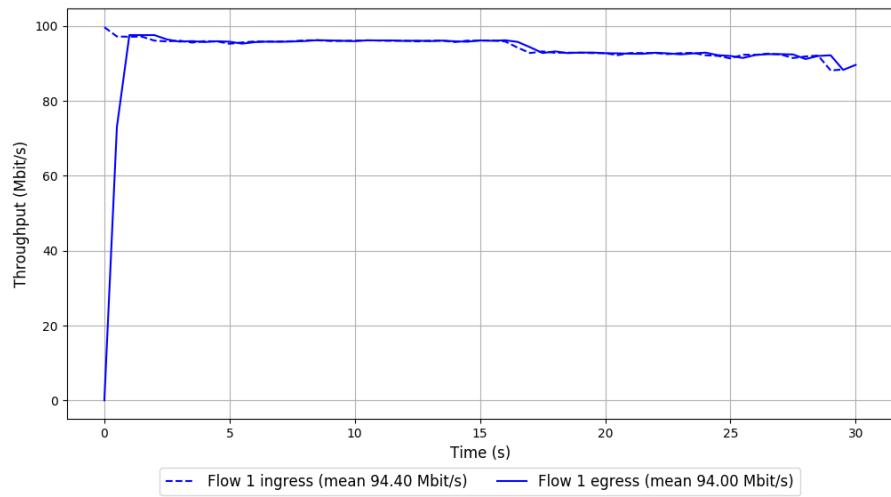


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-17 17:32:26
End at: 2019-07-17 17:32:56
Local clock offset: 2.354 ms
Remote clock offset: -4.339 ms

# Below is generated by plot.py at 2019-07-17 20:00:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 10.046 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 10.046 ms
Loss rate: 0.42%
```

Run 1: Report of TCP Vegas — Data Link

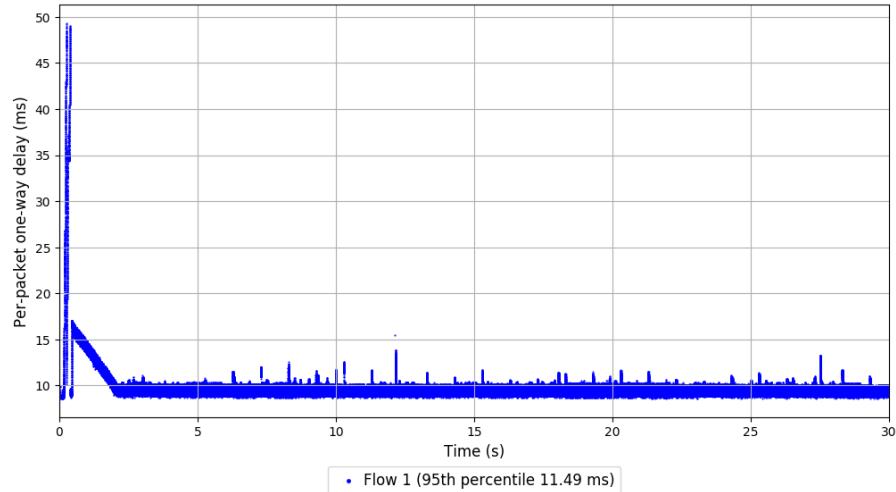
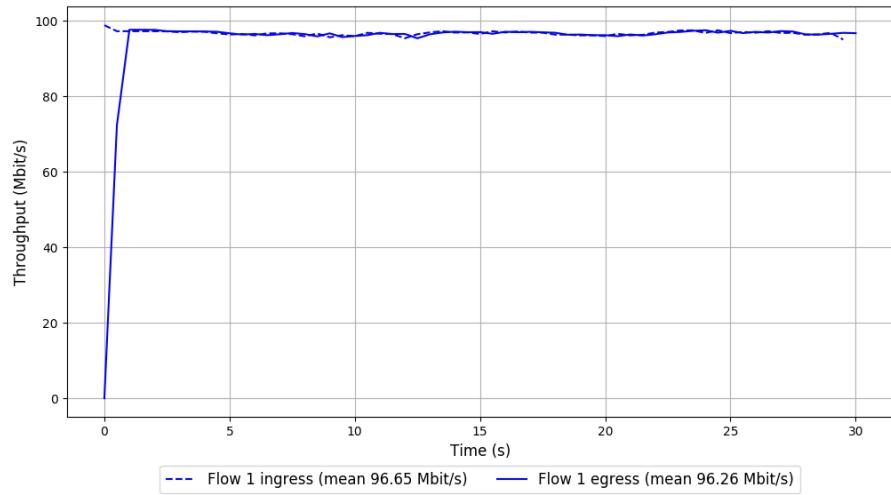


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-17 18:00:26
End at: 2019-07-17 18:00:56
Local clock offset: 2.025 ms
Remote clock offset: -0.619 ms

# Below is generated by plot.py at 2019-07-17 20:00:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 11.487 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 11.487 ms
Loss rate: 0.40%
```

Run 2: Report of TCP Vegas — Data Link

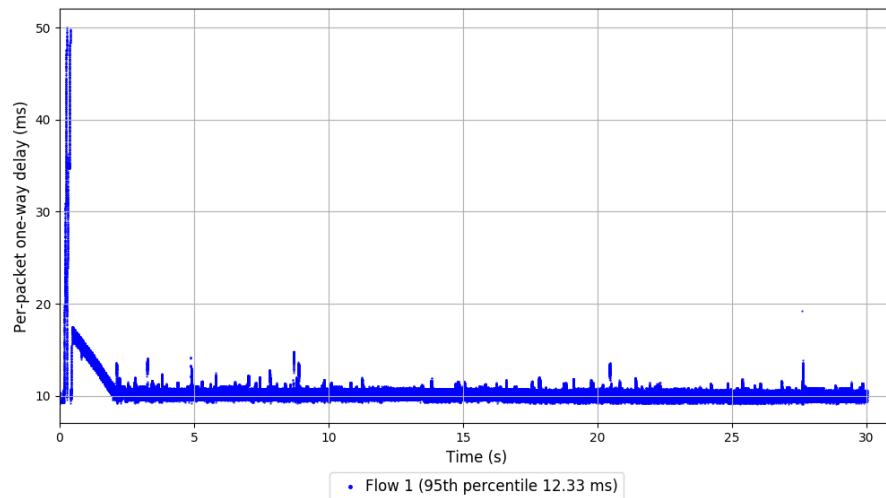
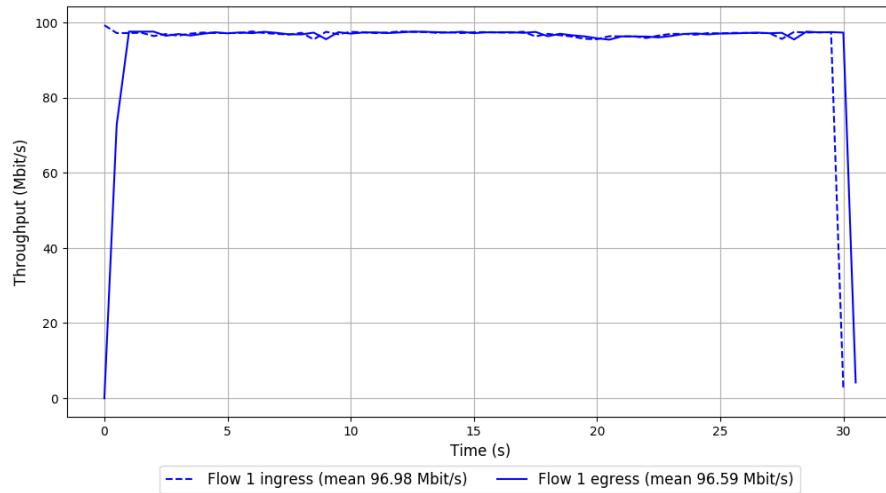


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-17 18:29:06
End at: 2019-07-17 18:29:36
Local clock offset: 0.156 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-07-17 20:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 12.328 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 12.328 ms
Loss rate: 0.40%
```

Run 3: Report of TCP Vegas — Data Link

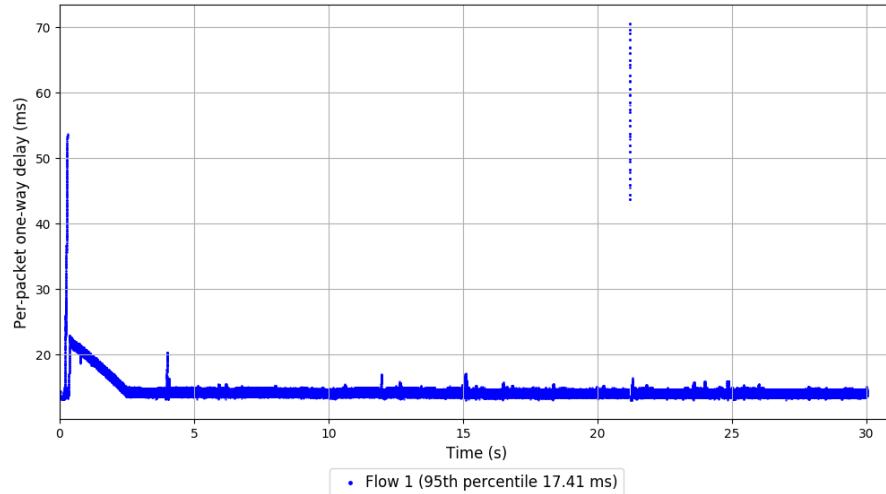
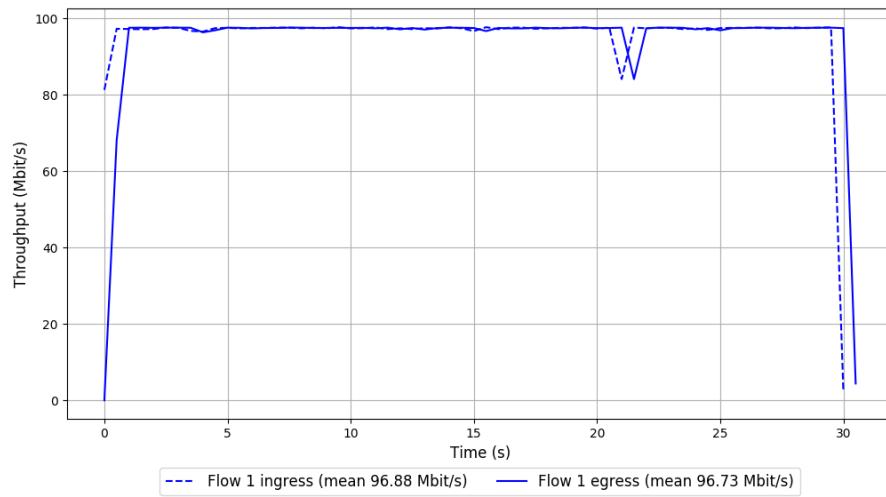


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-17 18:56:53
End at: 2019-07-17 18:57:23
Local clock offset: -0.685 ms
Remote clock offset: 0.679 ms

# Below is generated by plot.py at 2019-07-17 20:00:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 17.411 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 17.411 ms
Loss rate: 0.17%
```

Run 4: Report of TCP Vegas — Data Link

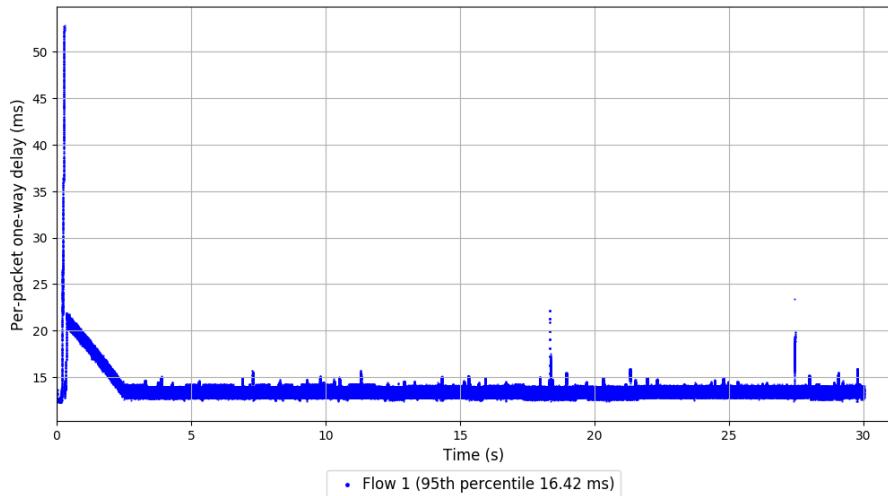
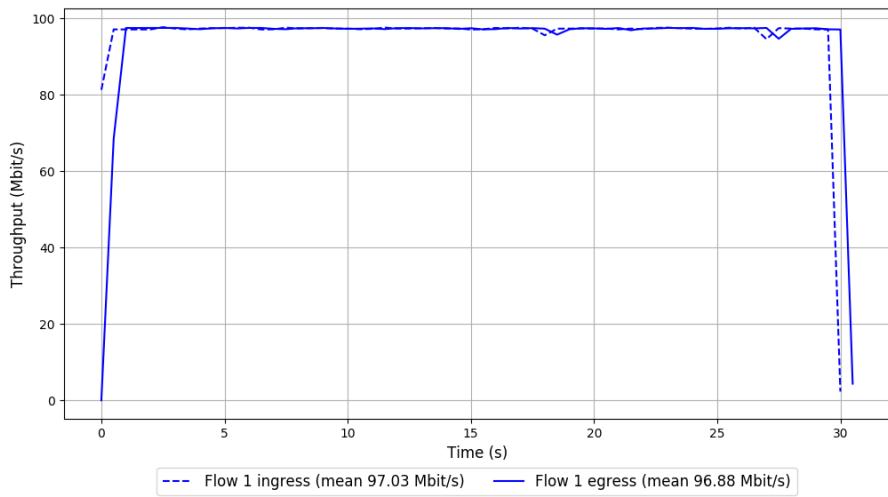


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-17 19:25:13
End at: 2019-07-17 19:25:43
Local clock offset: -3.032 ms
Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2019-07-17 20:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 16.418 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 16.418 ms
Loss rate: 0.16%
```

Run 5: Report of TCP Vegas — Data Link

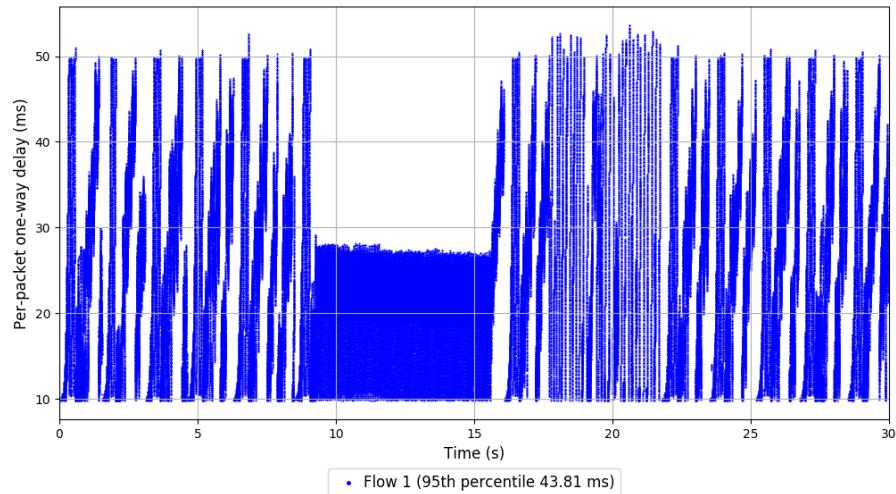
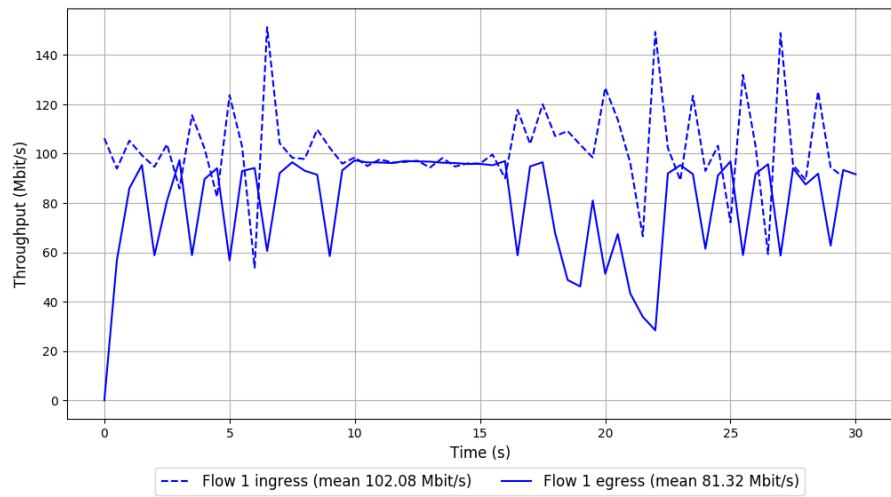


Run 1: Statistics of Verus

```
Start at: 2019-07-17 17:45:22
End at: 2019-07-17 17:45:52
Local clock offset: 2.166 ms
Remote clock offset: -4.036 ms

# Below is generated by plot.py at 2019-07-17 20:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.32 Mbit/s
95th percentile per-packet one-way delay: 43.814 ms
Loss rate: 20.29%
-- Flow 1:
Average throughput: 81.32 Mbit/s
95th percentile per-packet one-way delay: 43.814 ms
Loss rate: 20.29%
```

Run 1: Report of Verus — Data Link

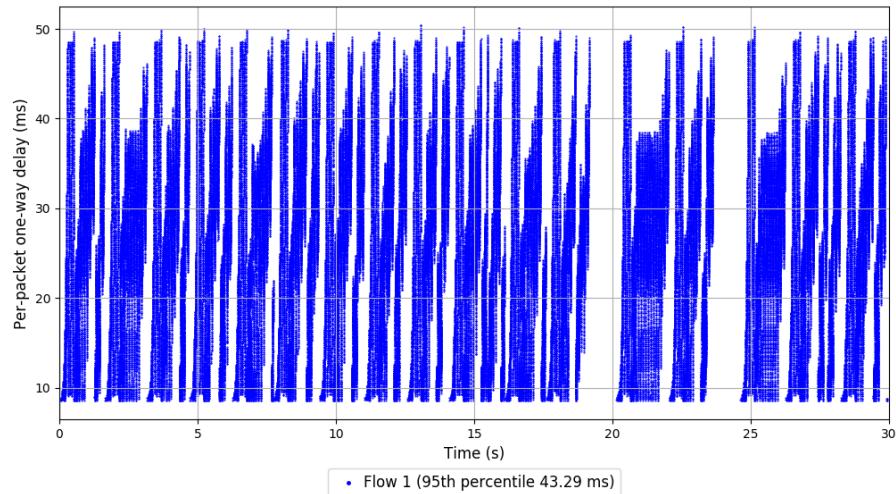
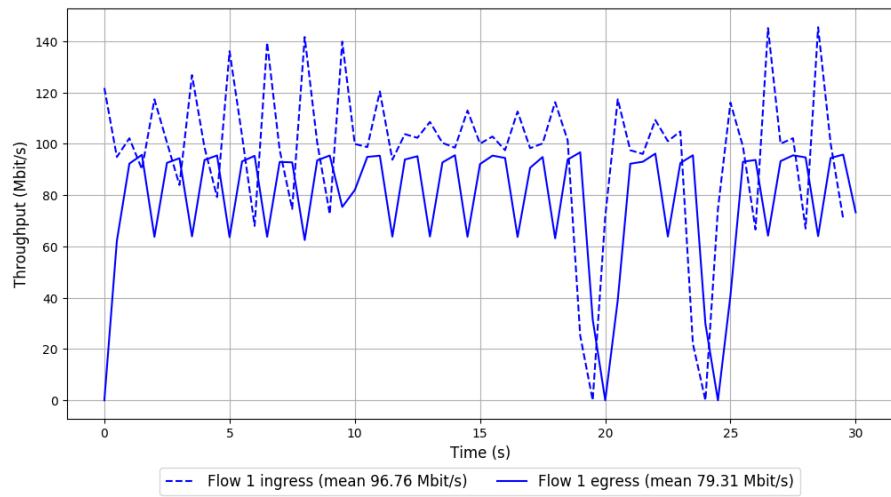


Run 2: Statistics of Verus

```
Start at: 2019-07-17 18:13:49
End at: 2019-07-17 18:14:19
Local clock offset: 1.237 ms
Remote clock offset: -0.377 ms

# Below is generated by plot.py at 2019-07-17 20:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 43.293 ms
Loss rate: 18.04%
-- Flow 1:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 43.293 ms
Loss rate: 18.04%
```

Run 2: Report of Verus — Data Link

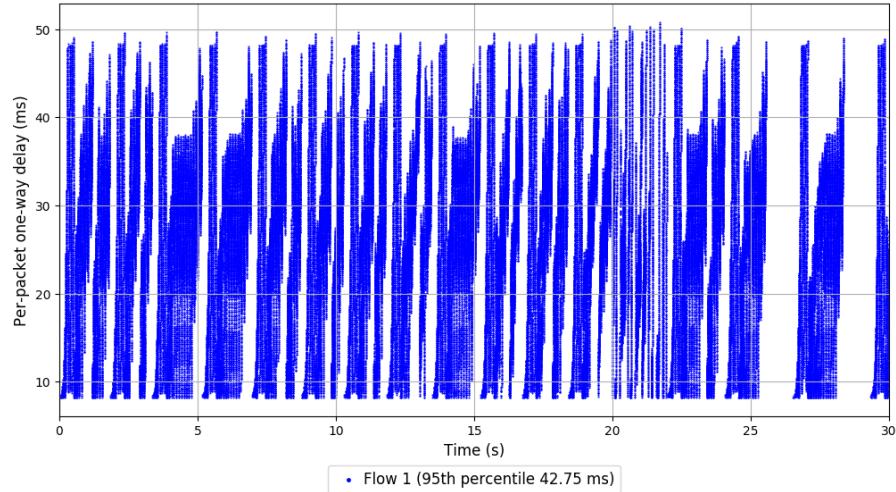
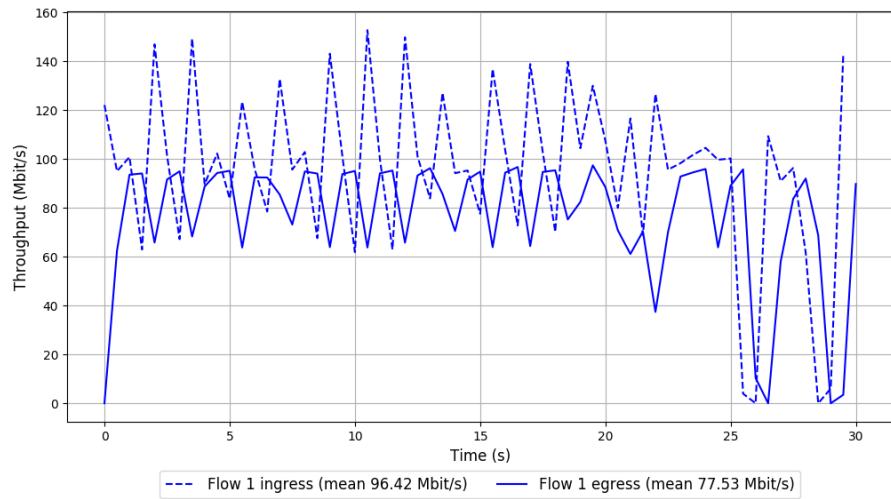


Run 3: Statistics of Verus

```
Start at: 2019-07-17 18:41:57
End at: 2019-07-17 18:42:27
Local clock offset: 0.758 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-07-17 20:00:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 42.746 ms
Loss rate: 19.54%
-- Flow 1:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 42.746 ms
Loss rate: 19.54%
```

Run 3: Report of Verus — Data Link

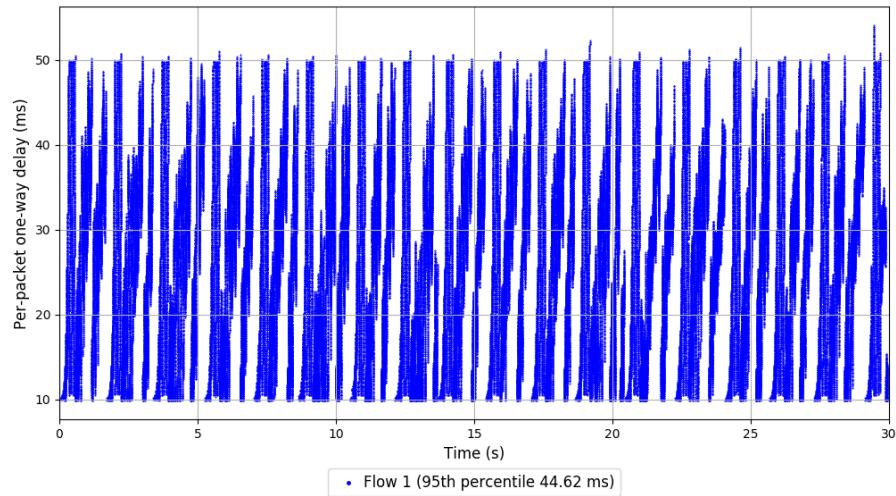
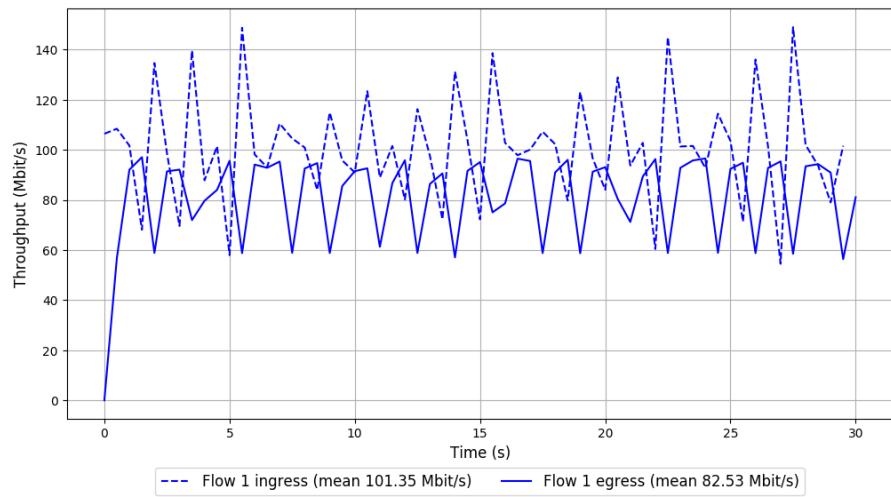


Run 4: Statistics of Verus

```
Start at: 2019-07-17 19:10:09
End at: 2019-07-17 19:10:39
Local clock offset: -1.991 ms
Remote clock offset: -1.782 ms

# Below is generated by plot.py at 2019-07-17 20:01:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 44.623 ms
Loss rate: 18.57%
-- Flow 1:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 44.623 ms
Loss rate: 18.57%
```

Run 4: Report of Verus — Data Link

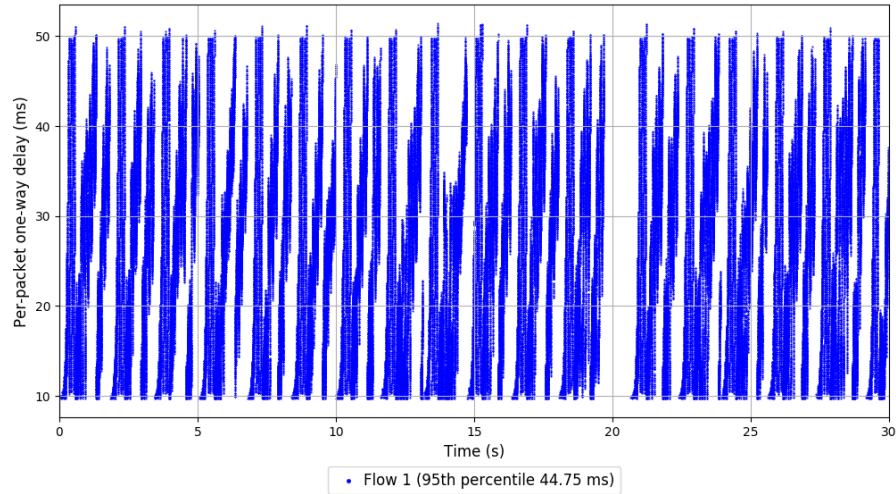
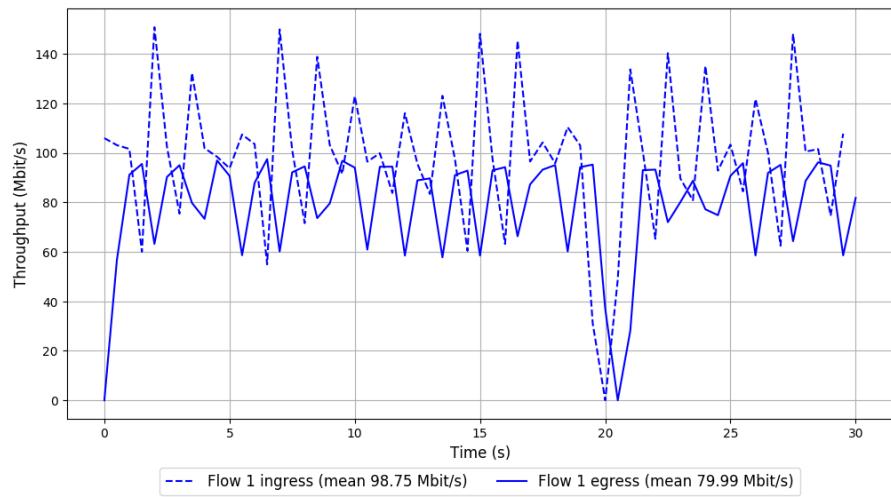


Run 5: Statistics of Verus

```
Start at: 2019-07-17 19:38:16
End at: 2019-07-17 19:38:46
Local clock offset: -1.531 ms
Remote clock offset: -2.192 ms

# Below is generated by plot.py at 2019-07-17 20:01:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.99 Mbit/s
95th percentile per-packet one-way delay: 44.750 ms
Loss rate: 18.94%
-- Flow 1:
Average throughput: 79.99 Mbit/s
95th percentile per-packet one-way delay: 44.750 ms
Loss rate: 18.94%
```

Run 5: Report of Verus — Data Link

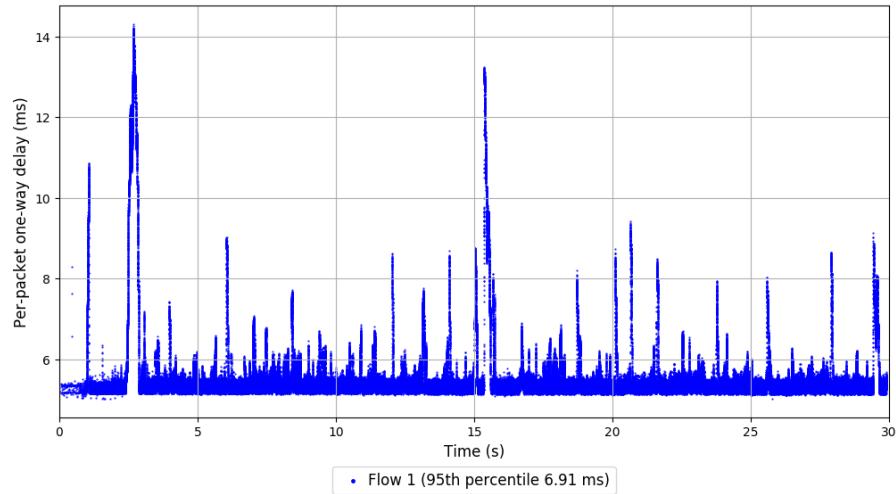
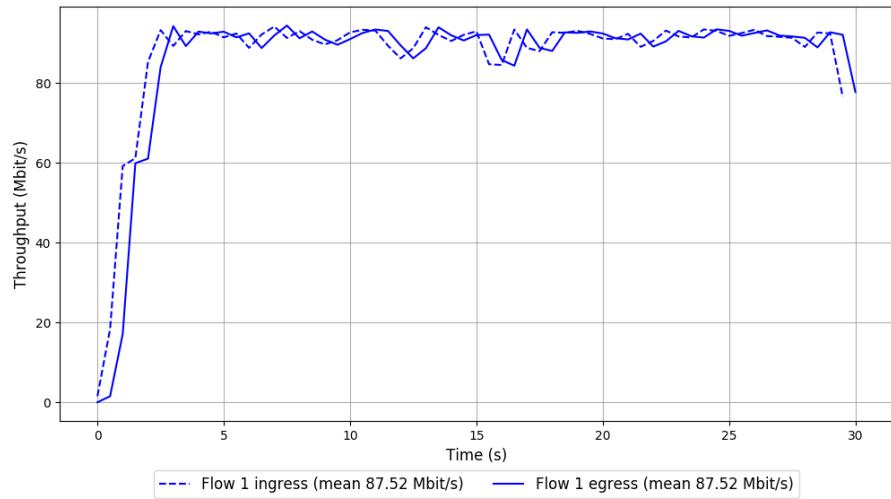


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-07-17 17:40:32
End at: 2019-07-17 17:41:02
Local clock offset: 3.296 ms
Remote clock offset: -4.402 ms

# Below is generated by plot.py at 2019-07-17 20:01:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: 6.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: 6.907 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

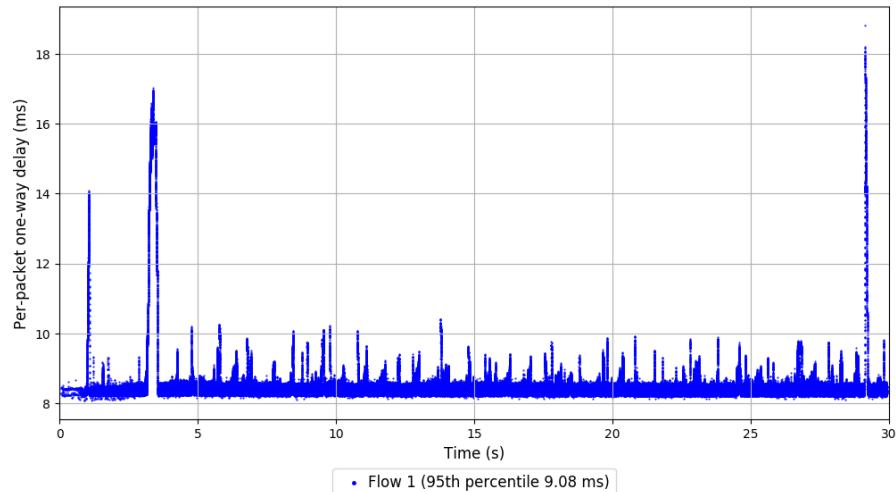
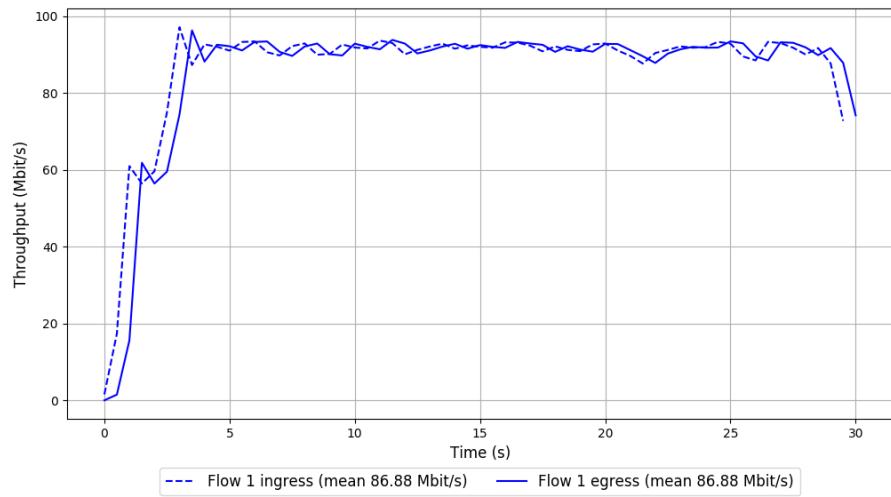


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-17 18:08:43
End at: 2019-07-17 18:09:13
Local clock offset: 1.69 ms
Remote clock offset: -0.562 ms

# Below is generated by plot.py at 2019-07-17 20:01:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 9.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 9.078 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

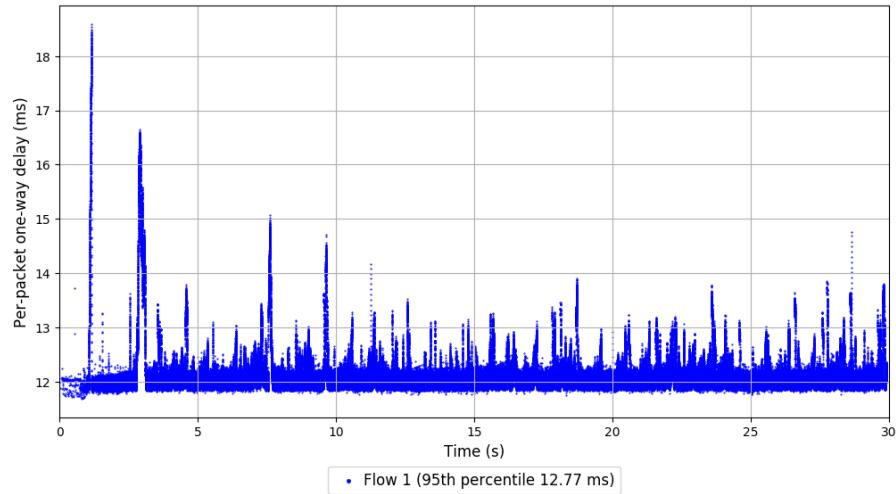
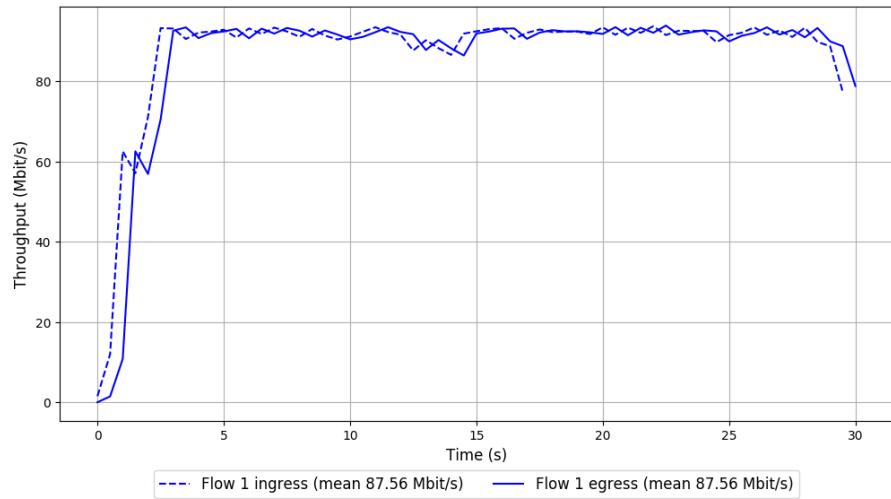


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-17 18:37:12
End at: 2019-07-17 18:37:42
Local clock offset: -0.042 ms
Remote clock offset: -0.336 ms

# Below is generated by plot.py at 2019-07-17 20:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 12.769 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 12.769 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Vivace — Data Link

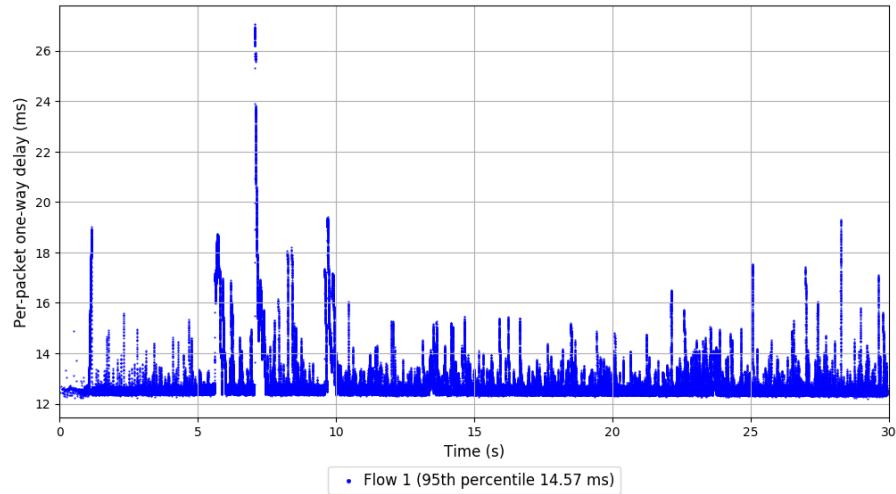
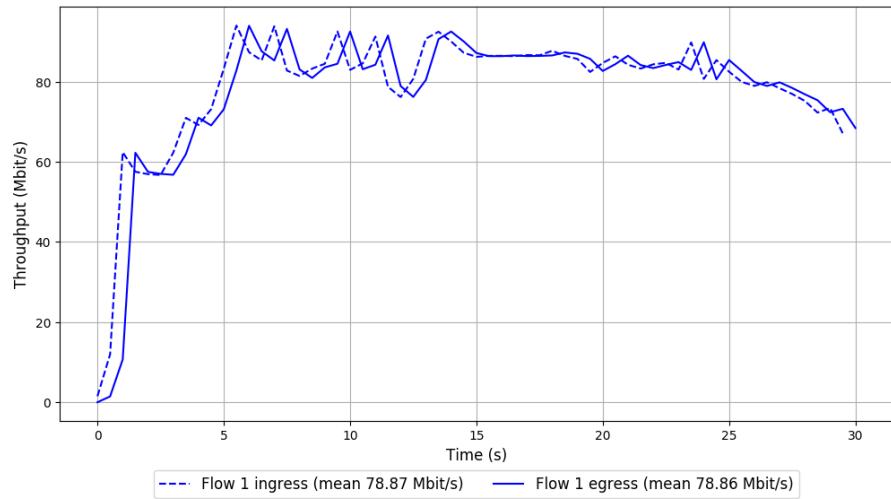


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-17 19:04:59
End at: 2019-07-17 19:05:29
Local clock offset: -2.055 ms
Remote clock offset: 0.252 ms

# Below is generated by plot.py at 2019-07-17 20:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 14.569 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 14.569 ms
Loss rate: 0.02%
```

Run 4: Report of PCC-Vivace — Data Link

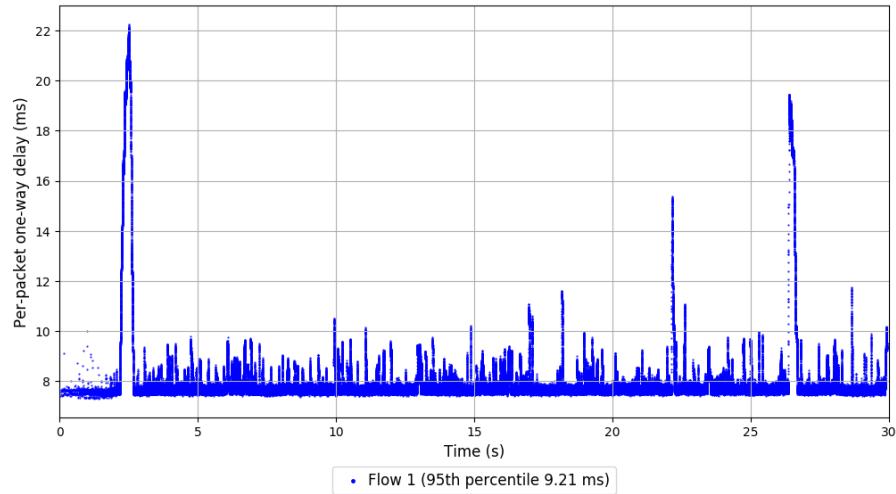
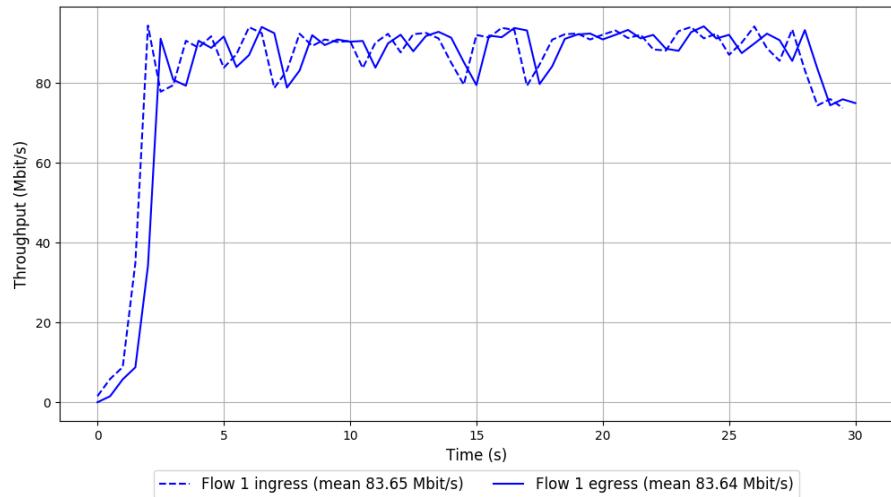


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-17 19:33:26
End at: 2019-07-17 19:33:56
Local clock offset: -2.31 ms
Remote clock offset: -1.782 ms

# Below is generated by plot.py at 2019-07-17 20:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 9.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 9.209 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

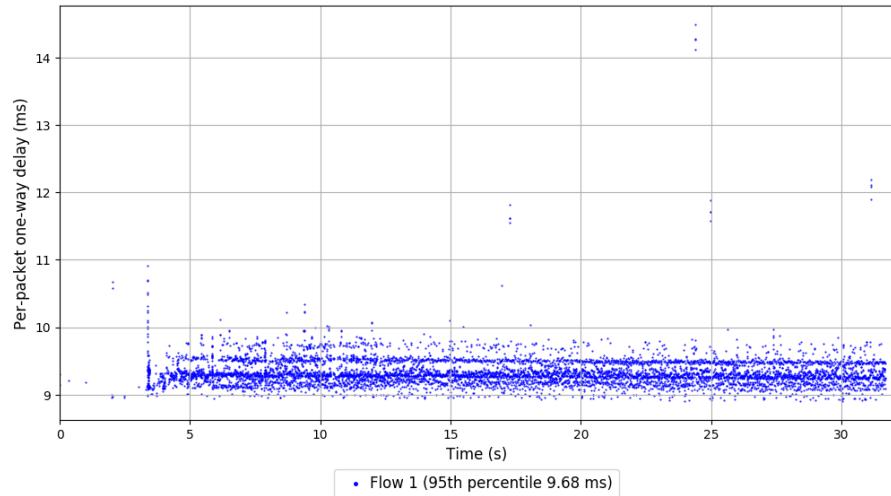
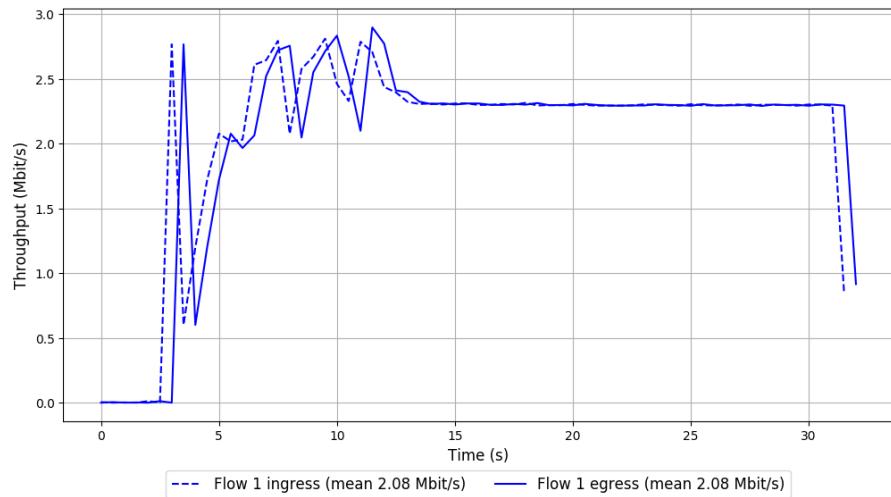


```
Run 1: Statistics of WebRTC media

Start at: 2019-07-17 17:33:37
End at: 2019-07-17 17:34:07
Local clock offset: 2.599 ms
Remote clock offset: -4.827 ms

# Below is generated by plot.py at 2019-07-17 20:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 9.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 9.680 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

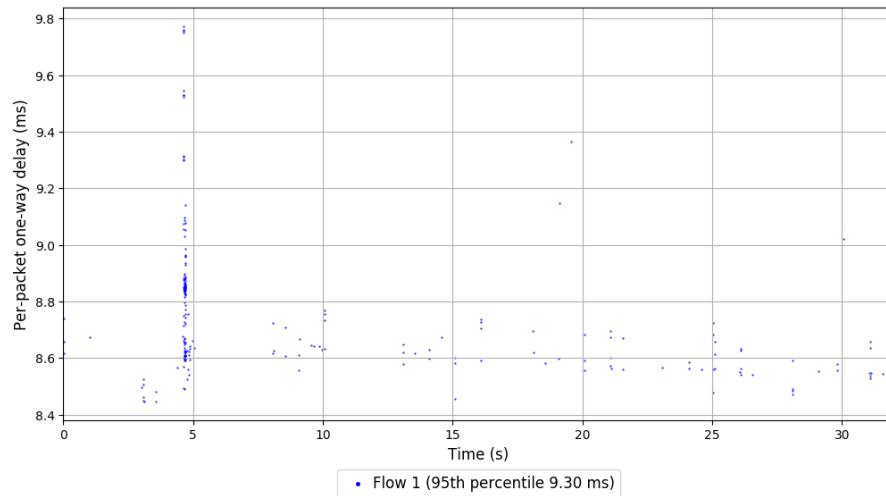
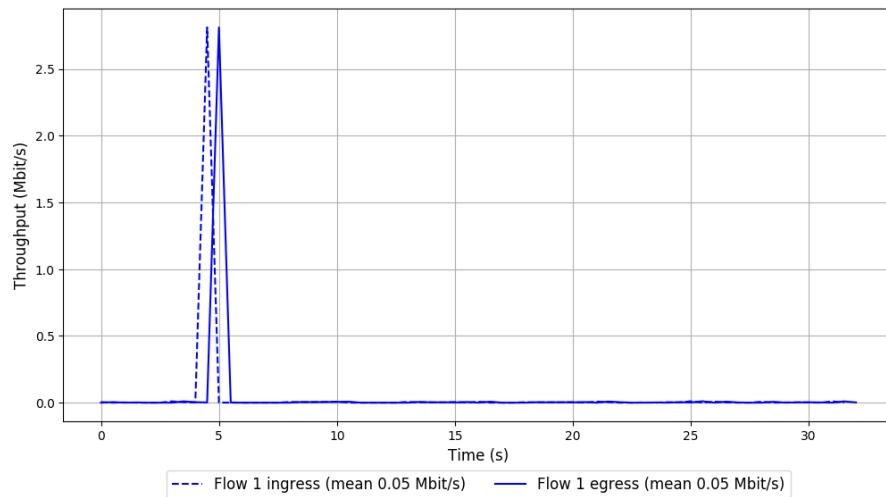


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-17 18:01:36
End at: 2019-07-17 18:02:06
Local clock offset: 1.17 ms
Remote clock offset: -1.372 ms

# Below is generated by plot.py at 2019-07-17 20:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.302 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

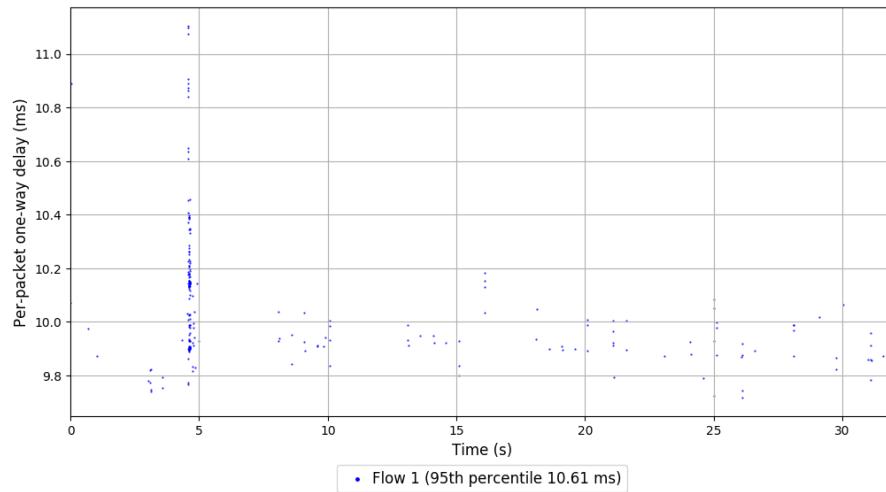
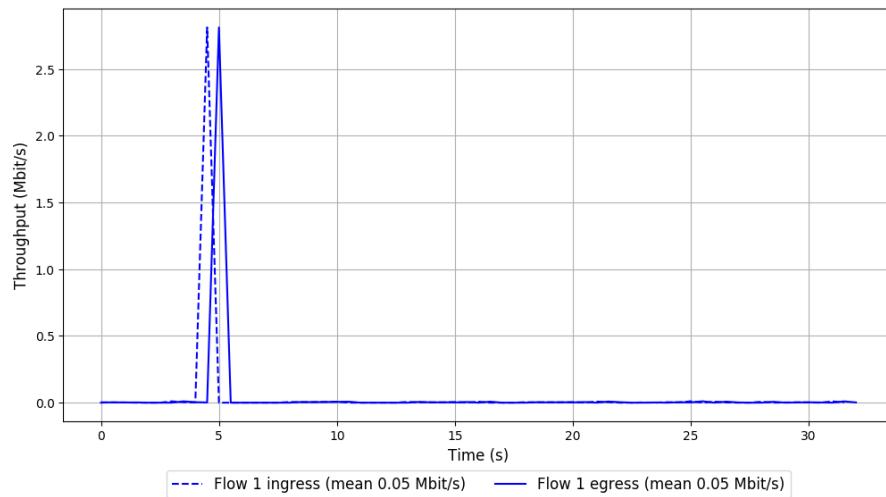


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-17 18:30:17
End at: 2019-07-17 18:30:47
Local clock offset: 0.196 ms
Remote clock offset: 0.896 ms

# Below is generated by plot.py at 2019-07-17 20:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.608 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

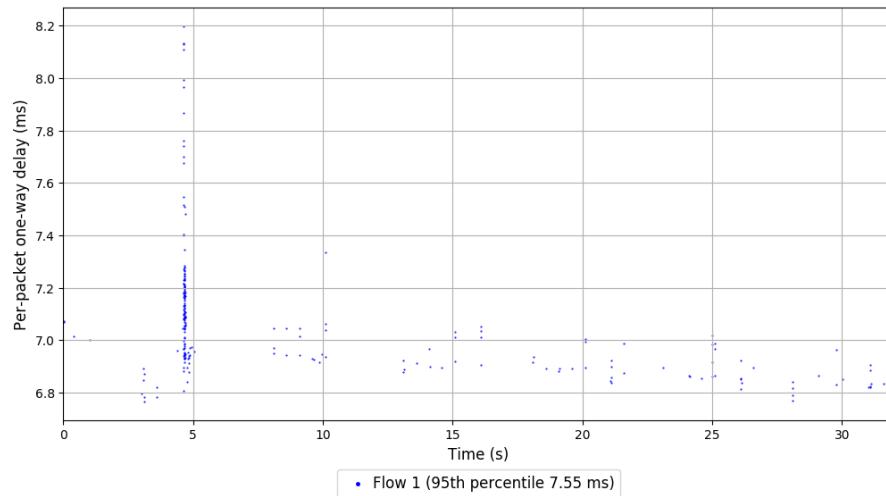
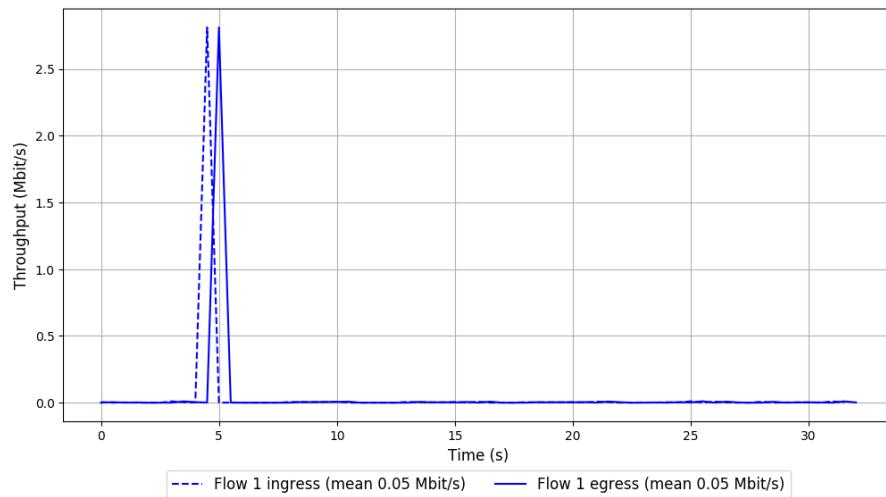


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-17 18:58:05
End at: 2019-07-17 18:58:35
Local clock offset: -1.174 ms
Remote clock offset: -2.404 ms

# Below is generated by plot.py at 2019-07-17 20:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.546 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-17 19:26:26
End at: 2019-07-17 19:26:56
Local clock offset: -2.872 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-07-17 20:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 13.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 13.181 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

