

Pantheon Report

Generated at 2019-11-24 00:44:23 (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:

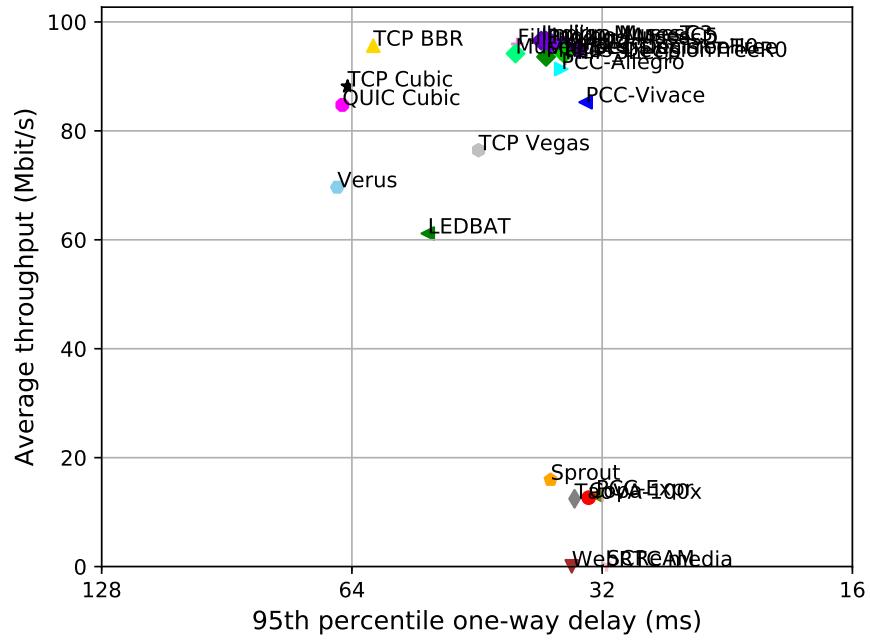
```
Linux 4.15.0-1051-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

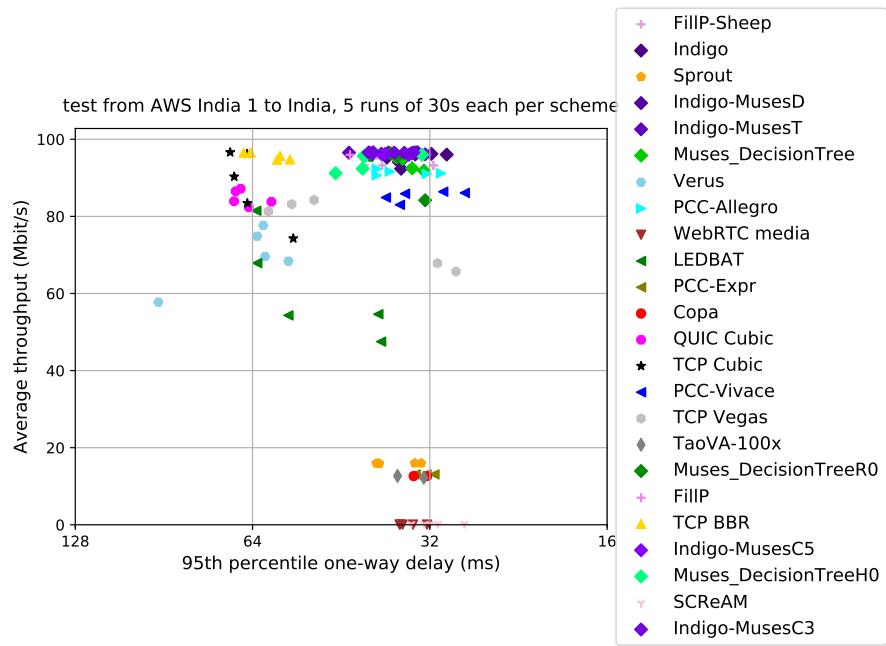
Git summary:

```
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

test from AWS India 1 to India, 5 runs of 30s each per scheme
(mean of all runs by scheme)





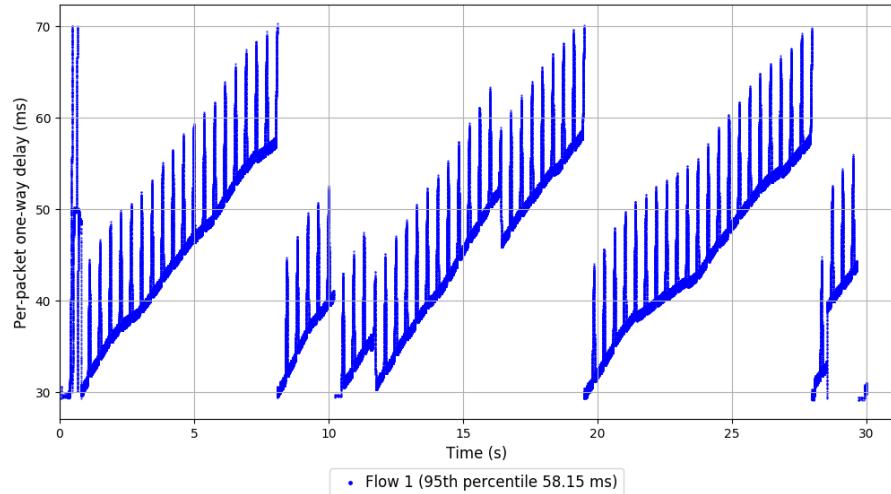
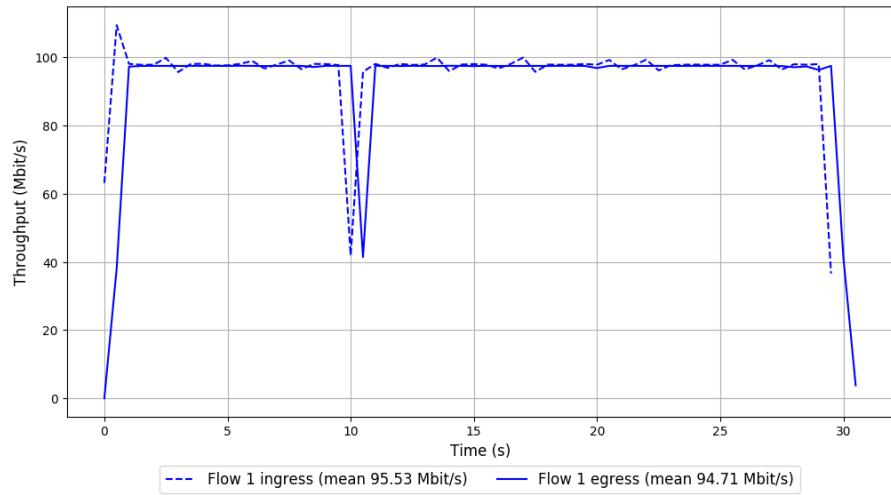
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	95.64	60.33	0.90
Copa	2	12.64	33.22	73.00
TCP Cubic	5	88.16	64.77	0.42
FillP	5	95.95	40.46	0.54
FillP-Sheep	5	93.22	35.47	0.43
Indigo	5	95.02	34.15	0.00
Indigo-MusesC3	5	96.55	37.38	0.03
Indigo-MusesC5	5	96.15	36.84	0.02
Indigo-MusesD	5	95.79	35.66	0.01
Indigo-MusesT	5	96.56	37.88	0.22
LEDBAT	5	61.16	51.87	0.03
Muses_DecisionTree	5	94.15	35.56	0.00
Muses_DecisionTreeH0	5	94.20	40.68	0.10
Muses_DecisionTreeR0	5	93.58	37.38	0.01
PCC-Allegro	5	91.35	35.84	0.52
PCC-Expr	3	13.08	32.55	55.35
QUIC Cubic	5	84.75	65.72	1.09
SCReAM	5	0.22	31.60	0.00
Sprout	5	15.94	36.91	0.02
TaoVA-100x	2	12.46	34.54	77.74
TCP Vegas	5	76.45	45.06	0.50
Verus	5	69.65	66.65	21.28
PCC-Vivace	5	85.25	33.50	0.00
WebRTC media	5	0.05	34.82	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-11-23 22:17:31
End at: 2019-11-23 22:18:01
Local clock offset: 6.239 ms
Remote clock offset: -3.086 ms

# Below is generated by plot.py at 2019-11-24 00:32:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 58.148 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 58.148 ms
Loss rate: 0.86%
```

Run 1: Report of TCP BBR — Data Link

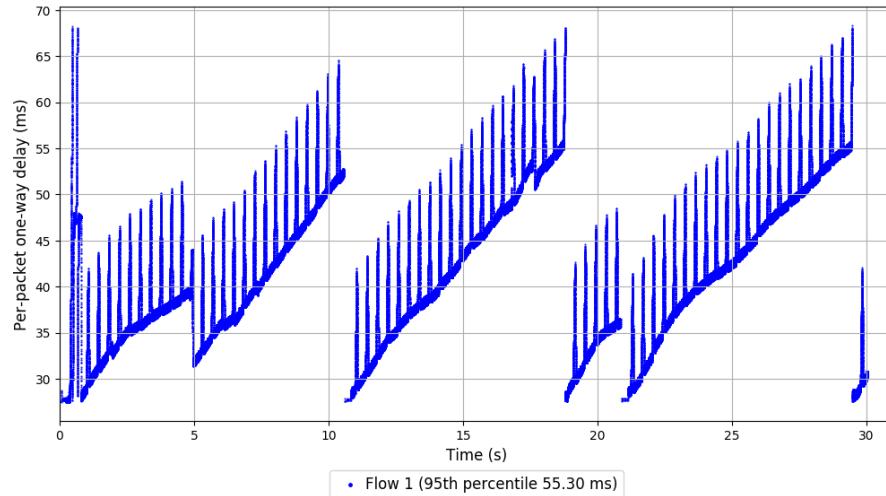
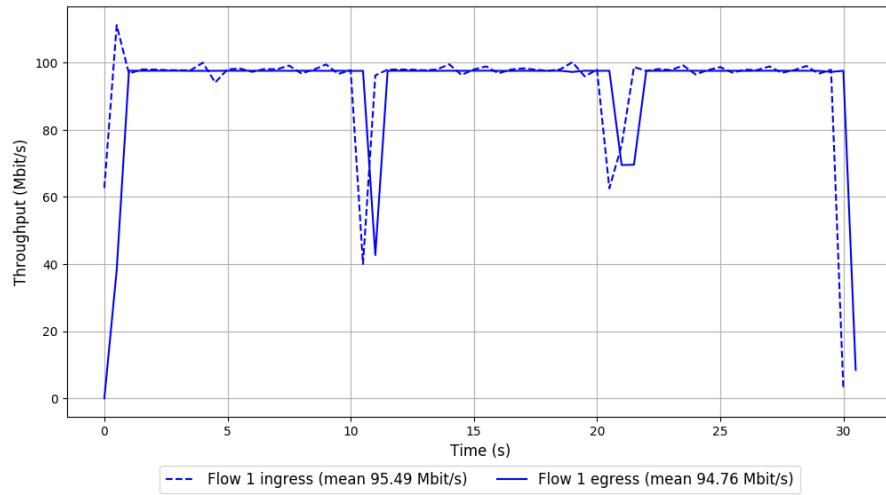


Run 2: Statistics of TCP BBR

```
Start at: 2019-11-23 22:45:02
End at: 2019-11-23 22:45:32
Local clock offset: 4.881 ms
Remote clock offset: -3.951 ms

# Below is generated by plot.py at 2019-11-24 00:32:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 55.297 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 55.297 ms
Loss rate: 0.75%
```

Run 2: Report of TCP BBR — Data Link

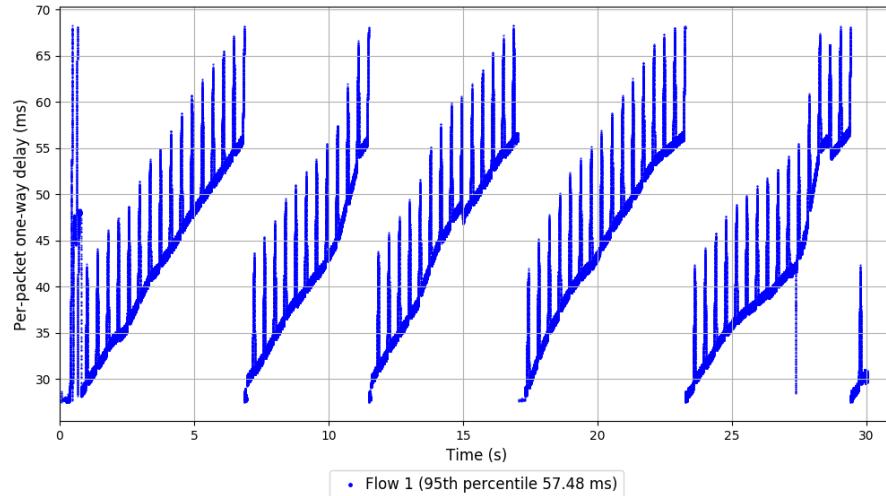
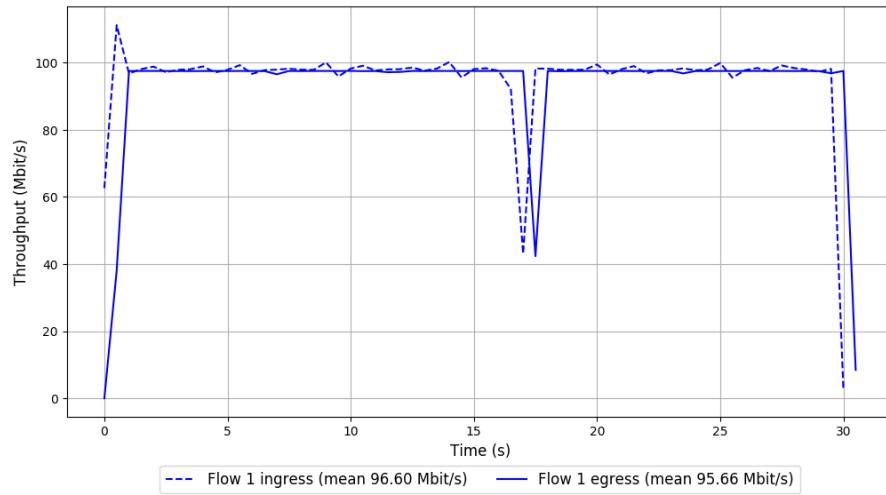


Run 3: Statistics of TCP BBR

```
Start at: 2019-11-23 23:12:23
End at: 2019-11-23 23:12:53
Local clock offset: 3.973 ms
Remote clock offset: -5.045 ms

# Below is generated by plot.py at 2019-11-24 00:32:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 57.481 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 57.481 ms
Loss rate: 0.97%
```

Run 3: Report of TCP BBR — Data Link

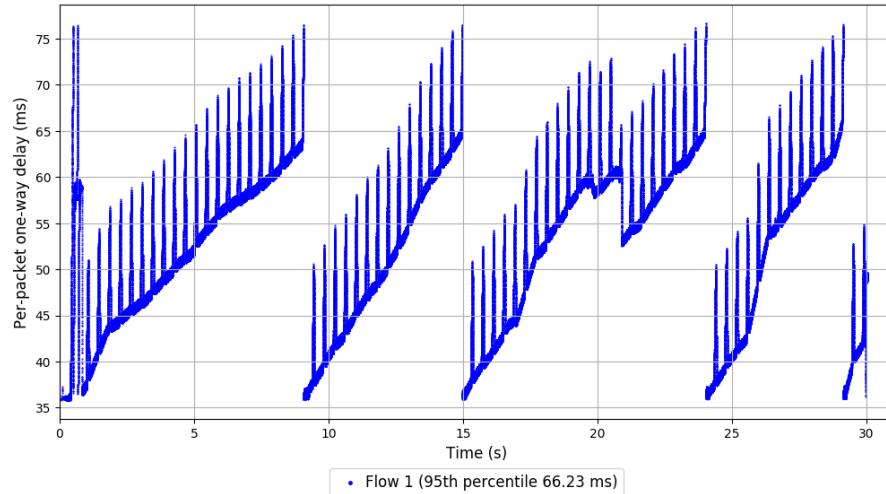
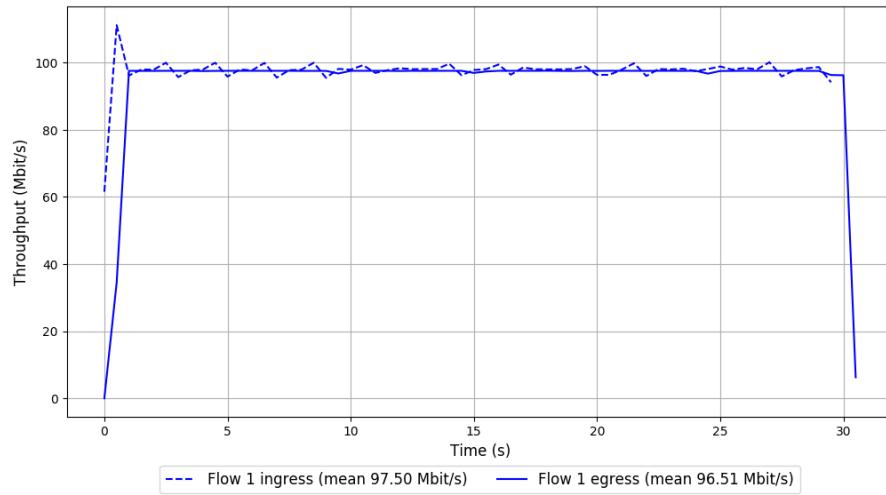


Run 4: Statistics of TCP BBR

```
Start at: 2019-11-23 23:39:44
End at: 2019-11-23 23:40:14
Local clock offset: -1.165 ms
Remote clock offset: -2.877 ms

# Below is generated by plot.py at 2019-11-24 00:32:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 66.231 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 66.231 ms
Loss rate: 0.97%
```

Run 4: Report of TCP BBR — Data Link

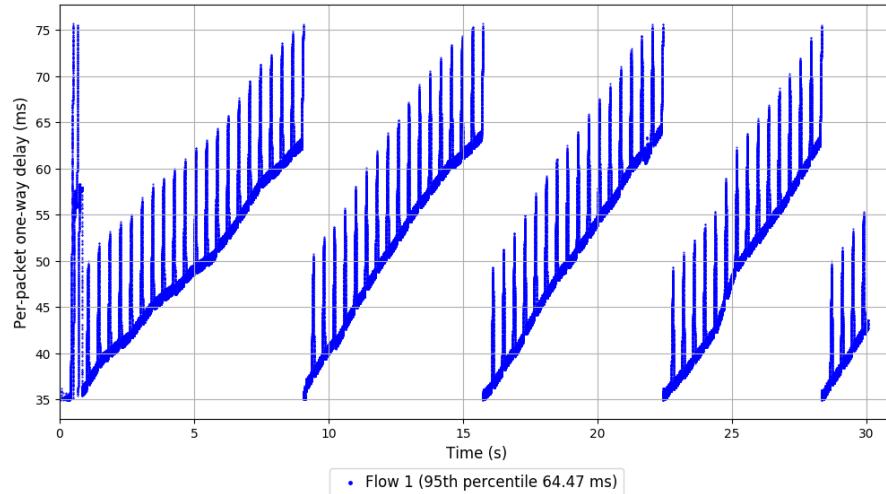
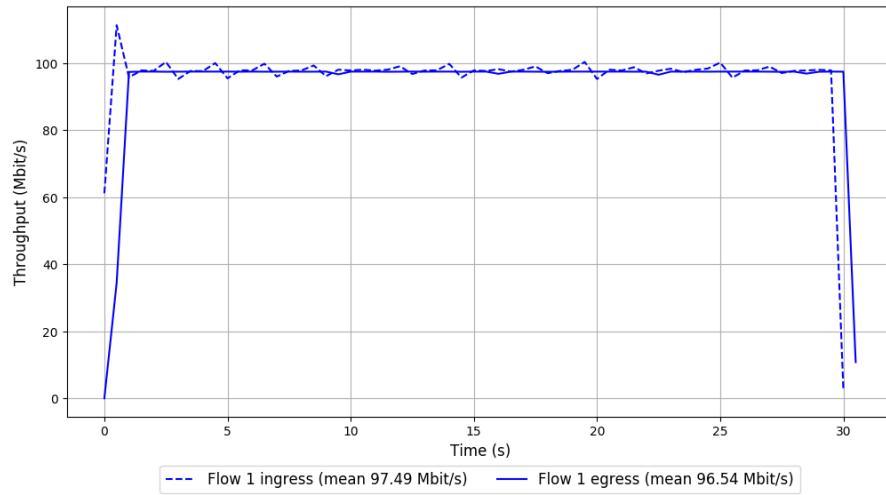


Run 5: Statistics of TCP BBR

```
Start at: 2019-11-24 00:07:06
End at: 2019-11-24 00:07:36
Local clock offset: 2.018 ms
Remote clock offset: -2.978 ms

# Below is generated by plot.py at 2019-11-24 00:32:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 64.469 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 64.469 ms
Loss rate: 0.95%
```

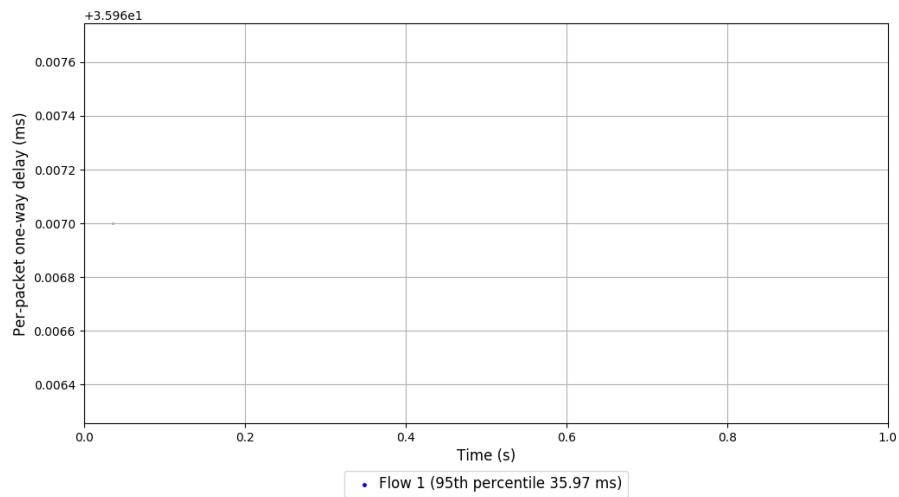
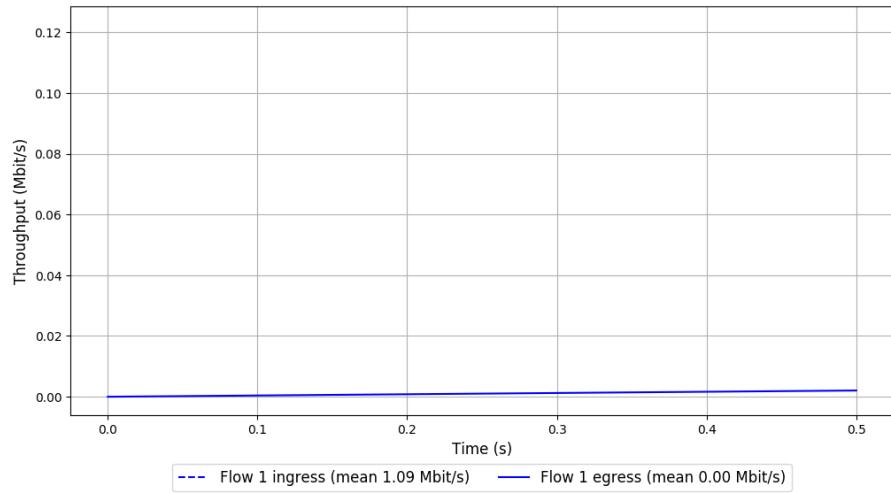
Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-11-23 22:13:02
End at: 2019-11-23 22:13:32
Local clock offset: 3.019 ms
Remote clock offset: -1.694 ms

Run 1: Report of Copa — Data Link

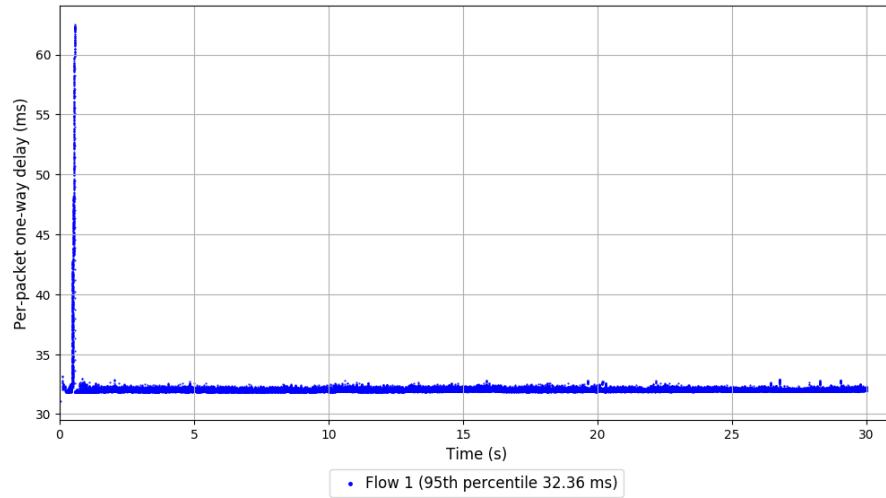
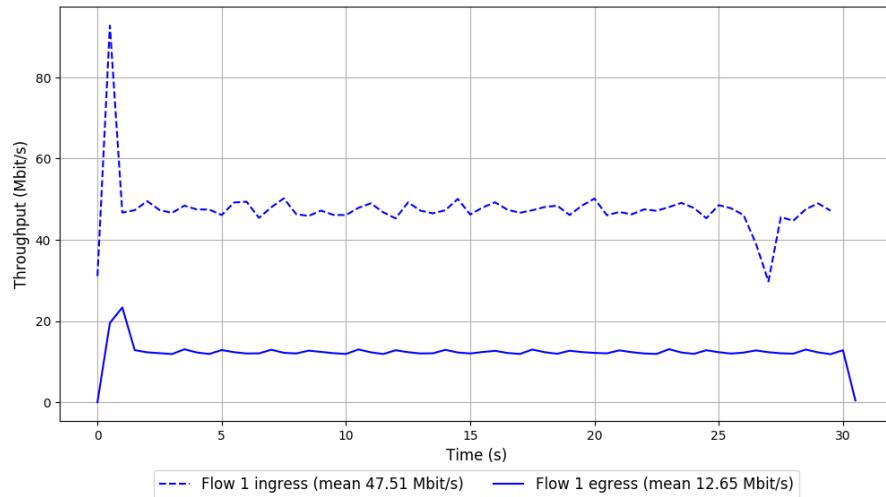


Run 2: Statistics of Copa

```
Start at: 2019-11-23 22:40:27
End at: 2019-11-23 22:40:57
Local clock offset: 2.195 ms
Remote clock offset: -4.208 ms

# Below is generated by plot.py at 2019-11-24 00:32:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 32.363 ms
Loss rate: 73.38%
-- Flow 1:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 32.363 ms
Loss rate: 73.38%
```

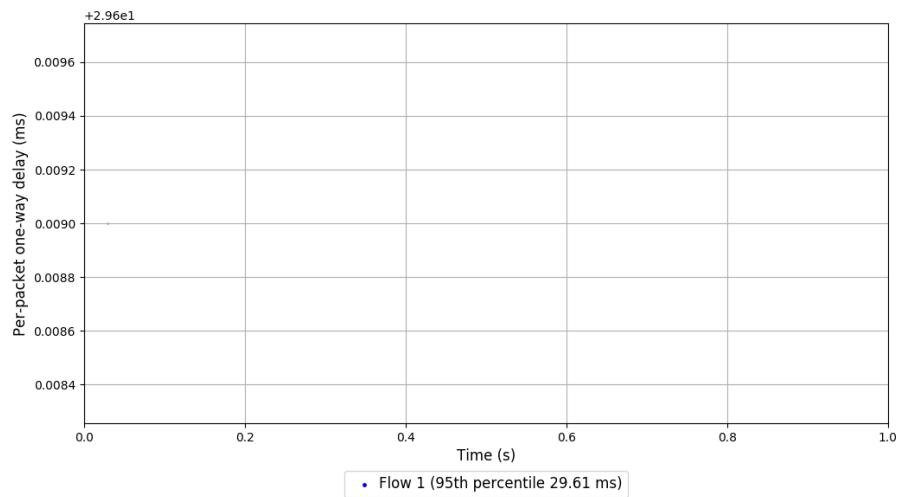
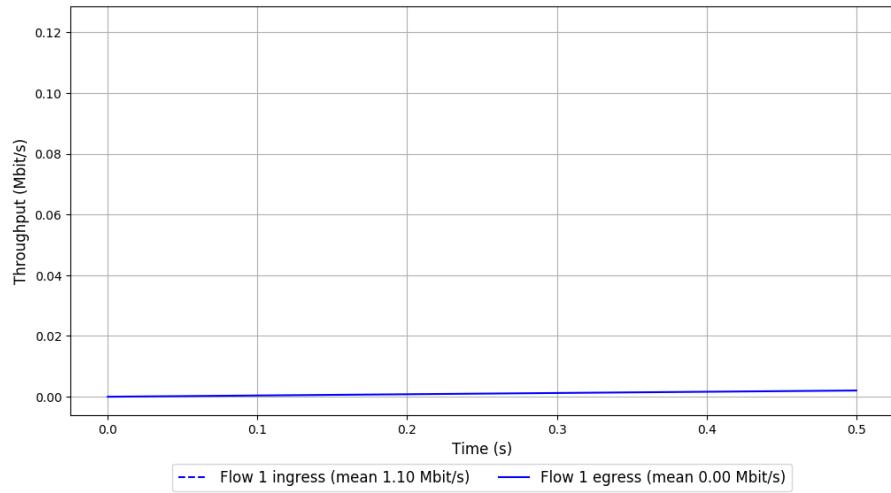
Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-11-23 23:07:54
End at: 2019-11-23 23:08:24
Local clock offset: 5.782 ms
Remote clock offset: -2.911 ms

Run 3: Report of Copa — Data Link

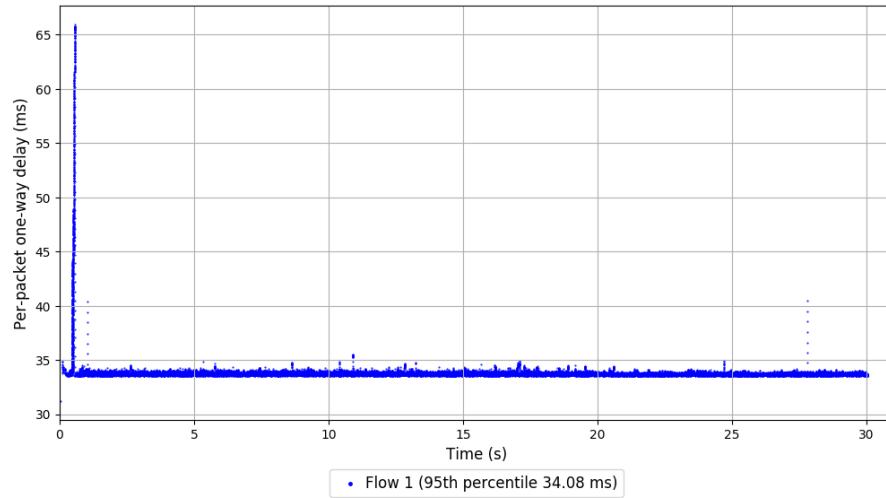
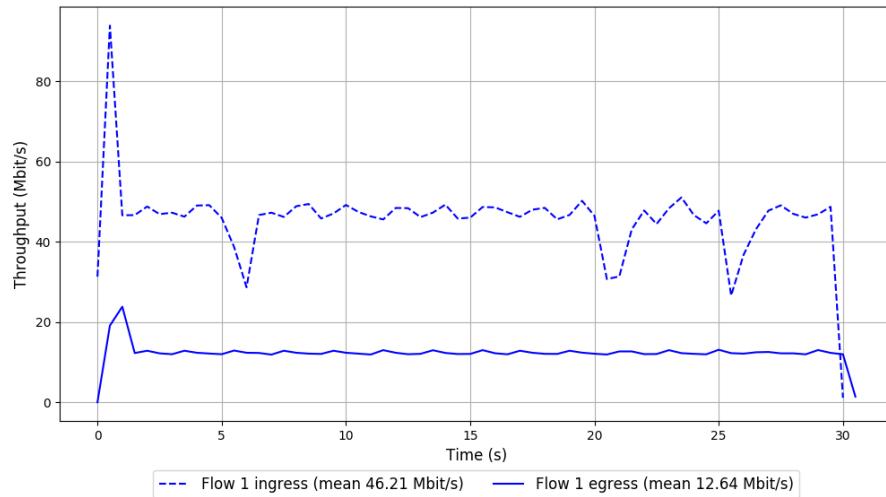


Run 4: Statistics of Copa

```
Start at: 2019-11-23 23:35:12
End at: 2019-11-23 23:35:42
Local clock offset: 0.028 ms
Remote clock offset: -4.836 ms

# Below is generated by plot.py at 2019-11-24 00:32:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 34.081 ms
Loss rate: 72.63%
-- Flow 1:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 34.081 ms
Loss rate: 72.63%
```

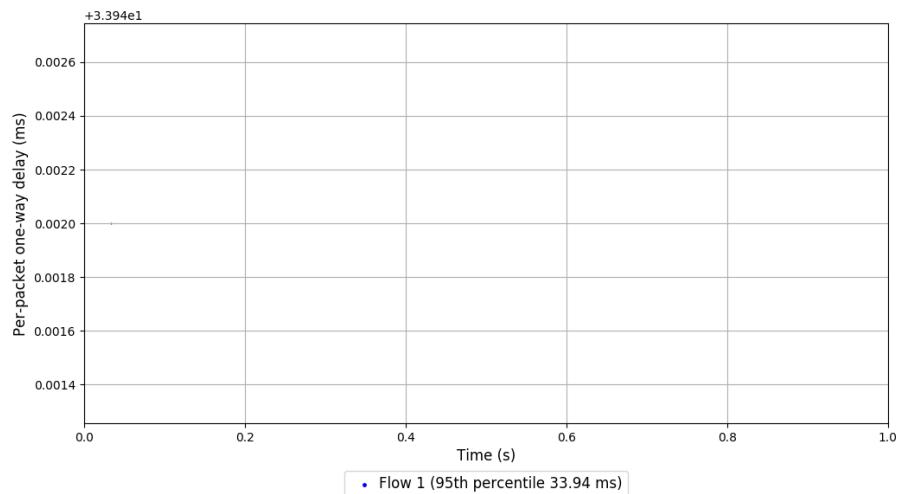
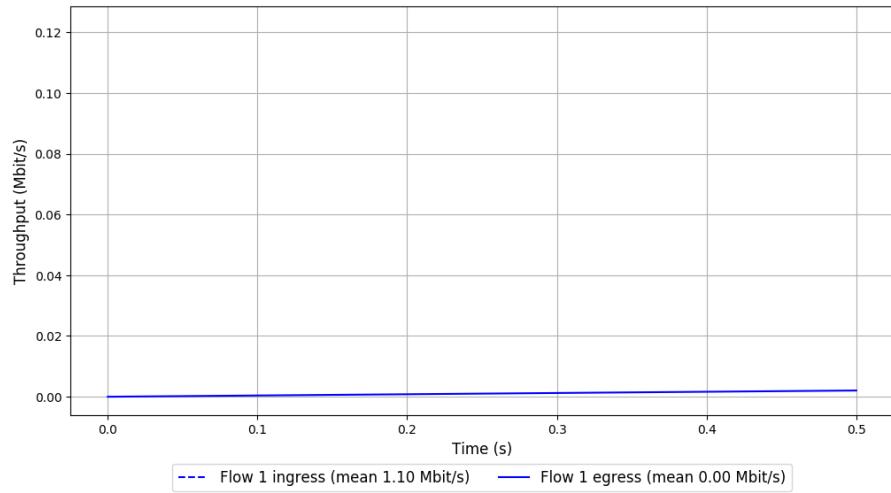
Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-11-24 00:02:37
End at: 2019-11-24 00:03:07
Local clock offset: 1.523 ms
Remote clock offset: -4.464 ms

Run 5: Report of Copa — Data Link

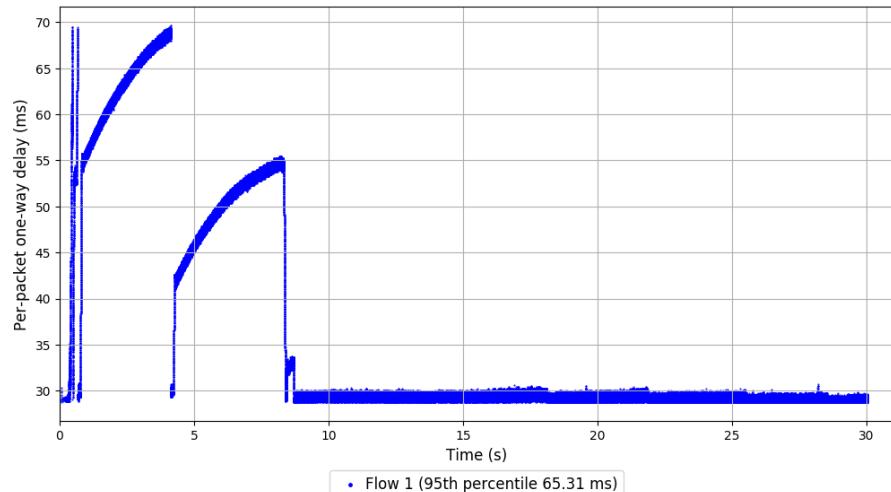
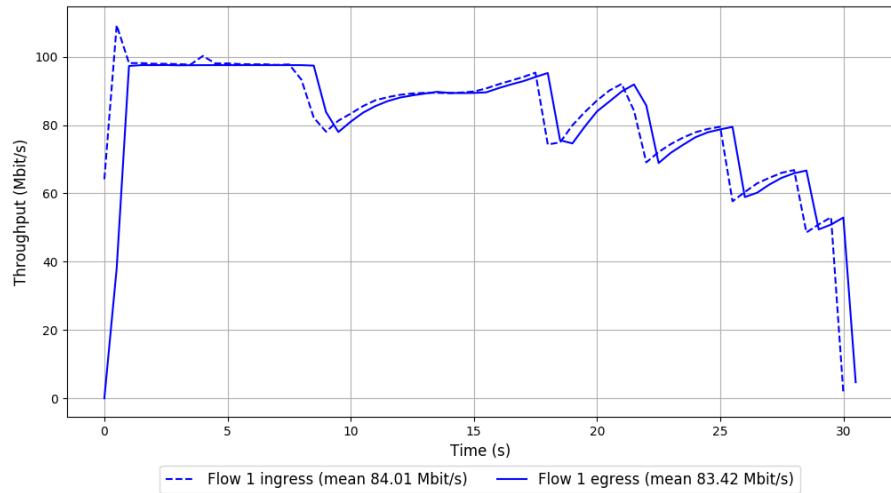


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-11-23 22:23:18
End at: 2019-11-23 22:23:48
Local clock offset: 5.64 ms
Remote clock offset: -3.423 ms

# Below is generated by plot.py at 2019-11-24 00:32:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 65.312 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 65.312 ms
Loss rate: 0.70%
```

Run 1: Report of TCP Cubic — Data Link

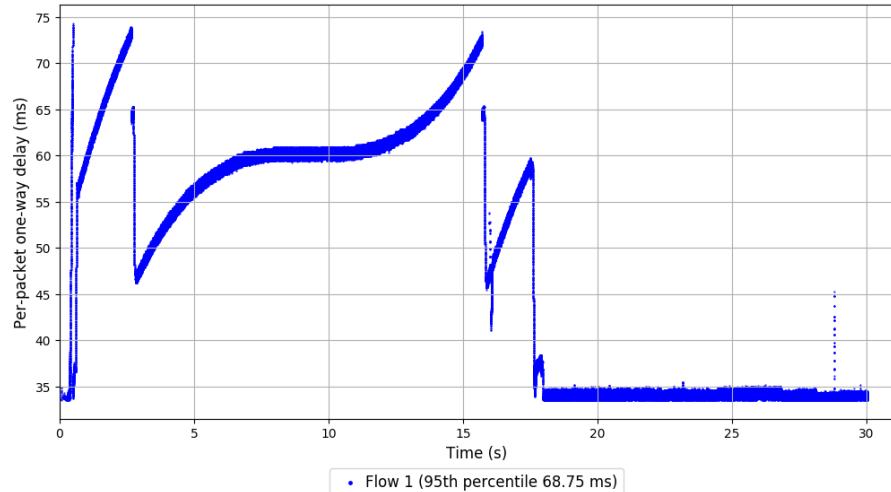
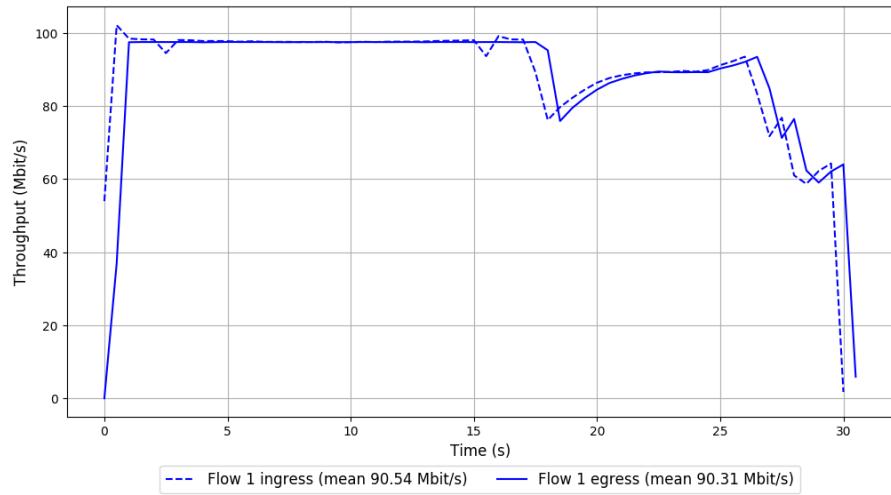


Run 2: Statistics of TCP Cubic

```
Start at: 2019-11-23 22:50:50
End at: 2019-11-23 22:51:20
Local clock offset: 1.796 ms
Remote clock offset: -2.849 ms

# Below is generated by plot.py at 2019-11-24 00:32:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 68.751 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 68.751 ms
Loss rate: 0.26%
```

Run 2: Report of TCP Cubic — Data Link

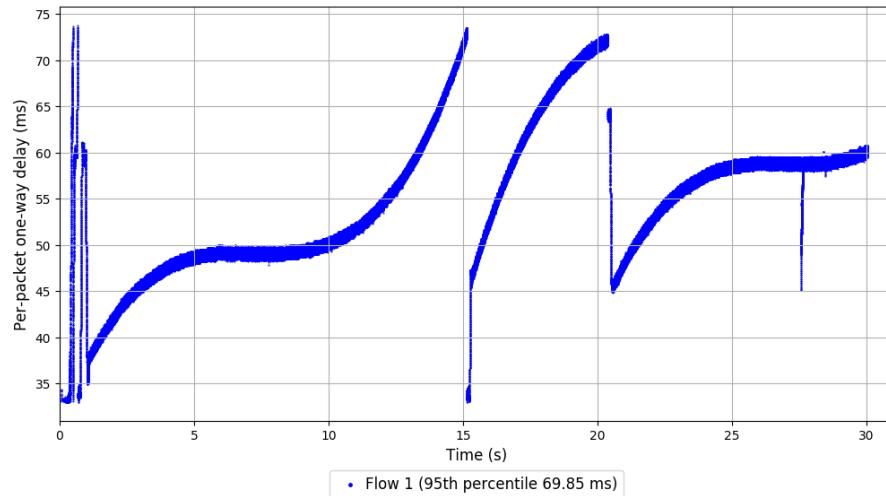
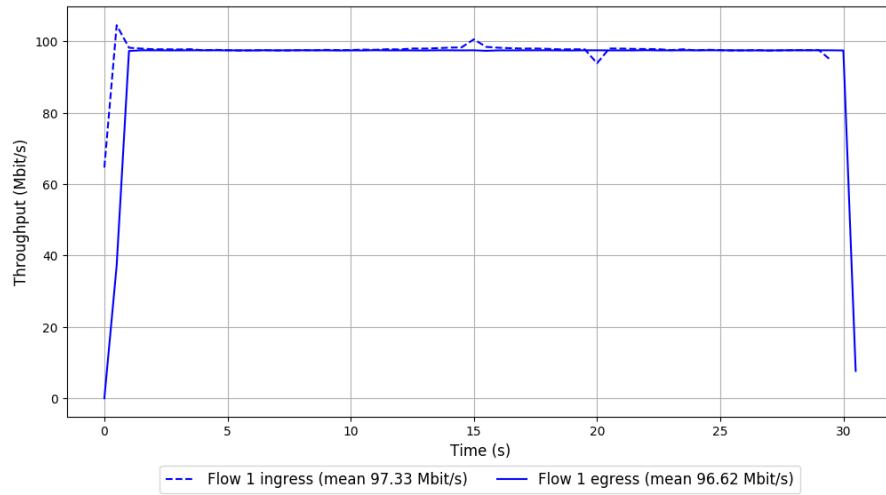


Run 3: Statistics of TCP Cubic

```
Start at: 2019-11-23 23:18:06
End at: 2019-11-23 23:18:36
Local clock offset: 3.17 ms
Remote clock offset: -1.834 ms

# Below is generated by plot.py at 2019-11-24 00:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 69.848 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 69.848 ms
Loss rate: 0.66%
```

Run 3: Report of TCP Cubic — Data Link

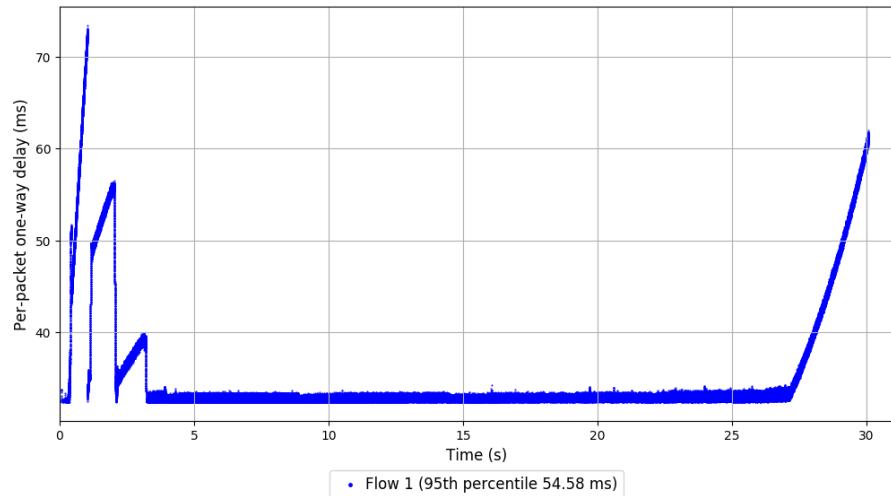
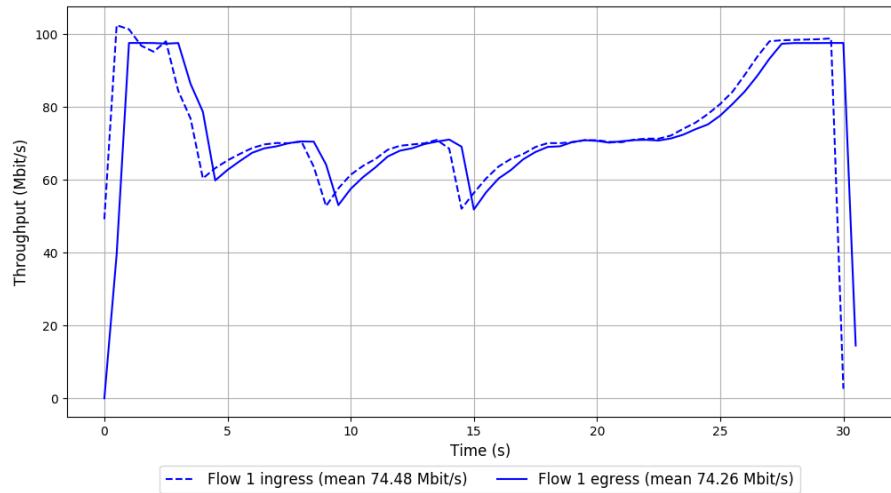


Run 4: Statistics of TCP Cubic

```
Start at: 2019-11-23 23:45:30
End at: 2019-11-23 23:46:00
Local clock offset: 1.077 ms
Remote clock offset: -3.685 ms

# Below is generated by plot.py at 2019-11-24 00:33:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.26 Mbit/s
95th percentile per-packet one-way delay: 54.575 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 74.26 Mbit/s
95th percentile per-packet one-way delay: 54.575 ms
Loss rate: 0.20%
```

Run 4: Report of TCP Cubic — Data Link

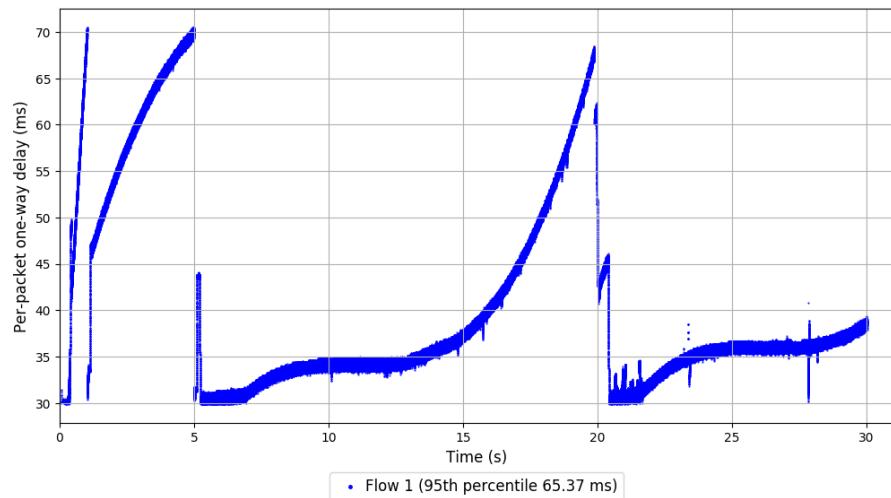
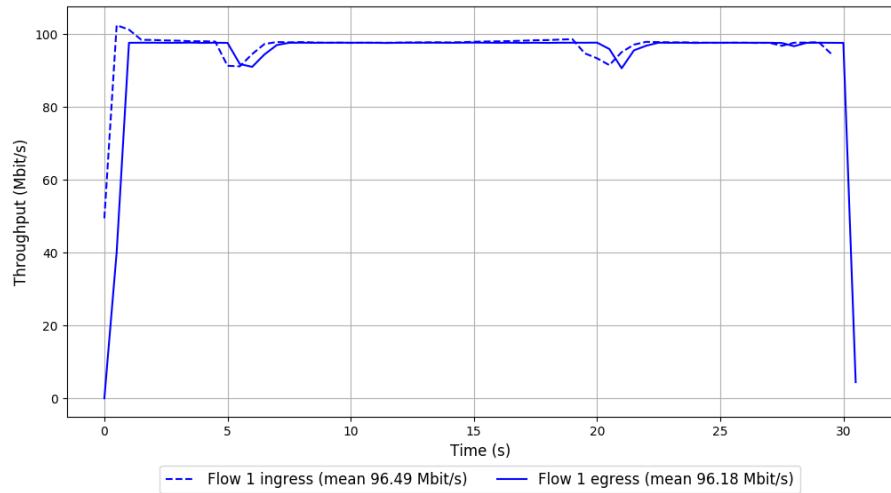


Run 5: Statistics of TCP Cubic

```
Start at: 2019-11-24 00:13:03
End at: 2019-11-24 00:13:33
Local clock offset: 6.63 ms
Remote clock offset: -1.548 ms

# Below is generated by plot.py at 2019-11-24 00:33:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 65.371 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 65.371 ms
Loss rate: 0.29%
```

Run 5: Report of TCP Cubic — Data Link

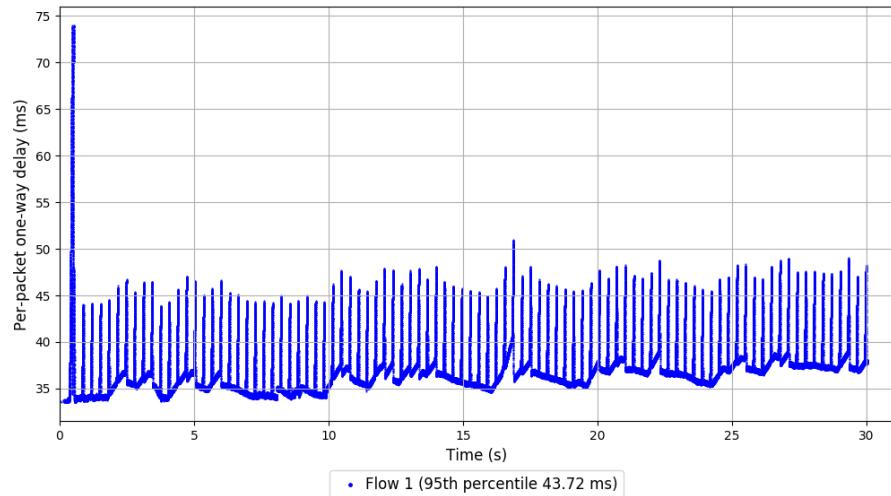
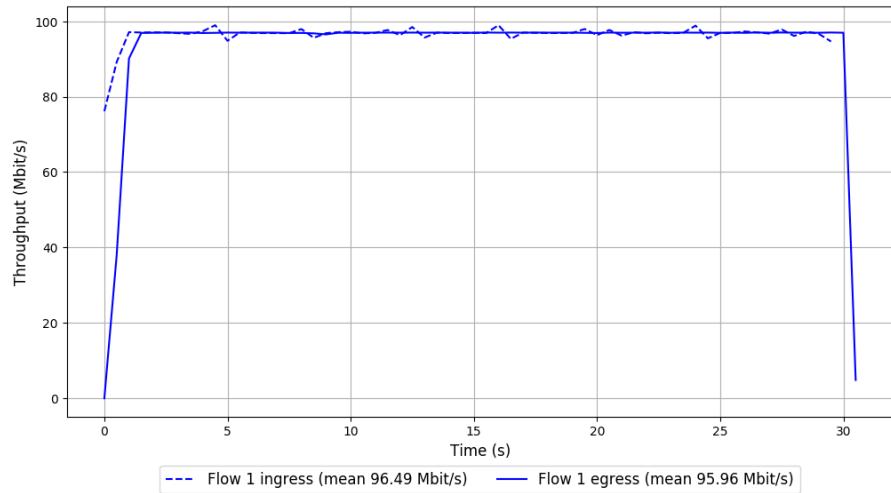


```
Run 1: Statistics of FillP
```

```
Start at: 2019-11-23 22:33:39
End at: 2019-11-23 22:34:09
Local clock offset: -0.933 ms
Remote clock offset: -4.531 ms

# Below is generated by plot.py at 2019-11-24 00:34:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 43.720 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 43.720 ms
Loss rate: 0.53%
```

Run 1: Report of FillP — Data Link

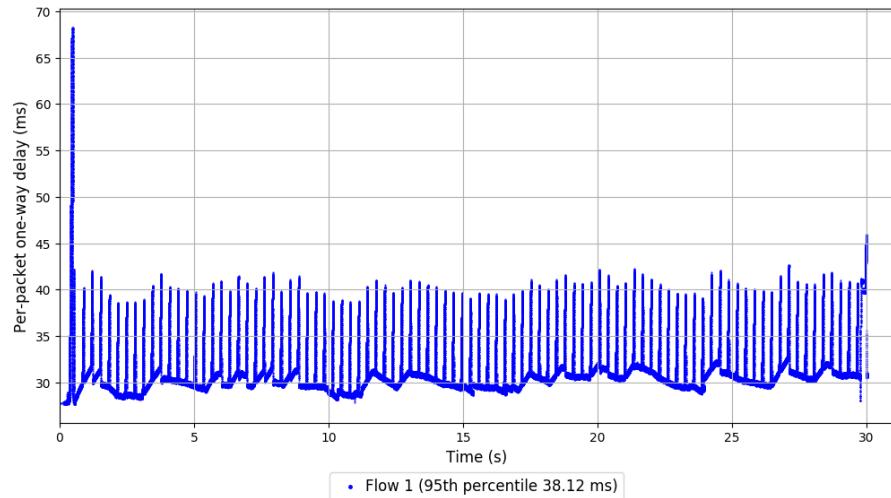
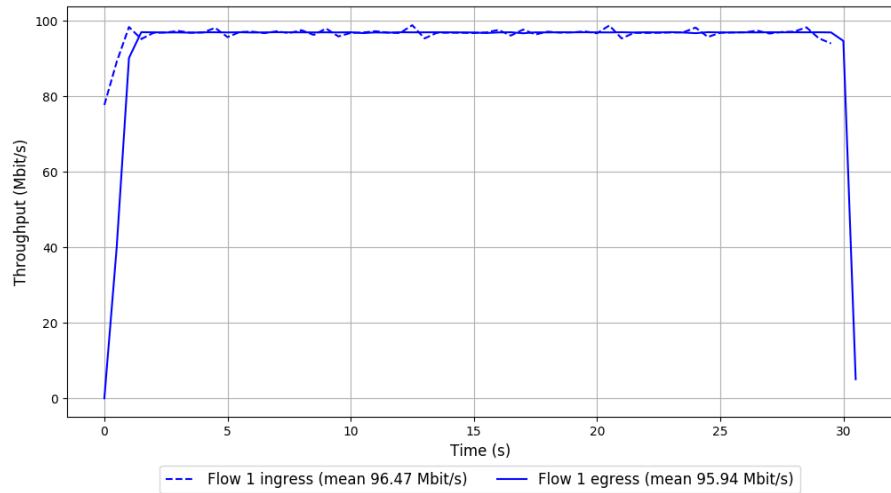


Run 2: Statistics of FillP

```
Start at: 2019-11-23 23:01:06
End at: 2019-11-23 23:01:37
Local clock offset: 3.928 ms
Remote clock offset: -5.763 ms

# Below is generated by plot.py at 2019-11-24 00:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 38.123 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 38.123 ms
Loss rate: 0.54%
```

Run 2: Report of FillP — Data Link

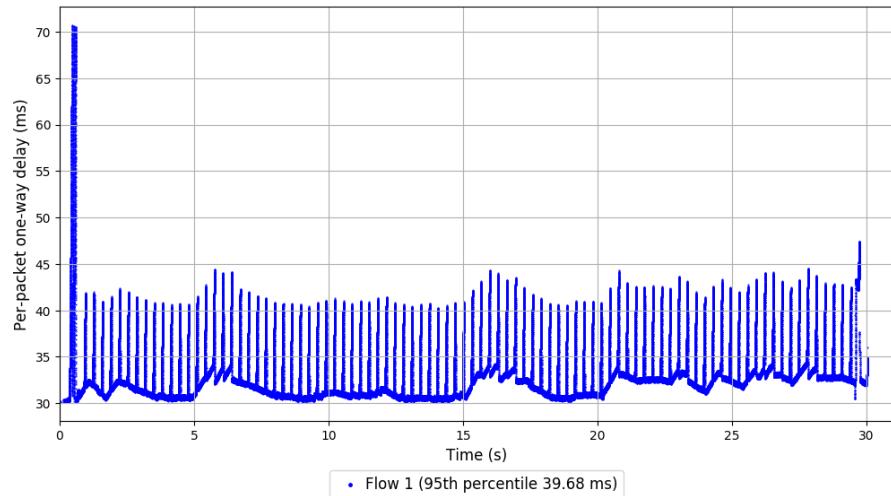
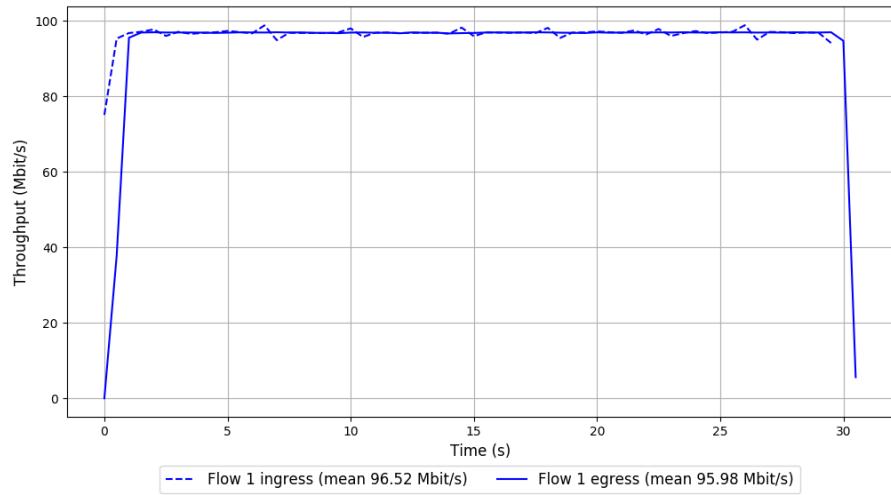


Run 3: Statistics of FillP

```
Start at: 2019-11-23 23:28:23
End at: 2019-11-23 23:28:53
Local clock offset: 4.738 ms
Remote clock offset: -3.562 ms

# Below is generated by plot.py at 2019-11-24 00:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 39.682 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 39.682 ms
Loss rate: 0.54%
```

Run 3: Report of FillP — Data Link

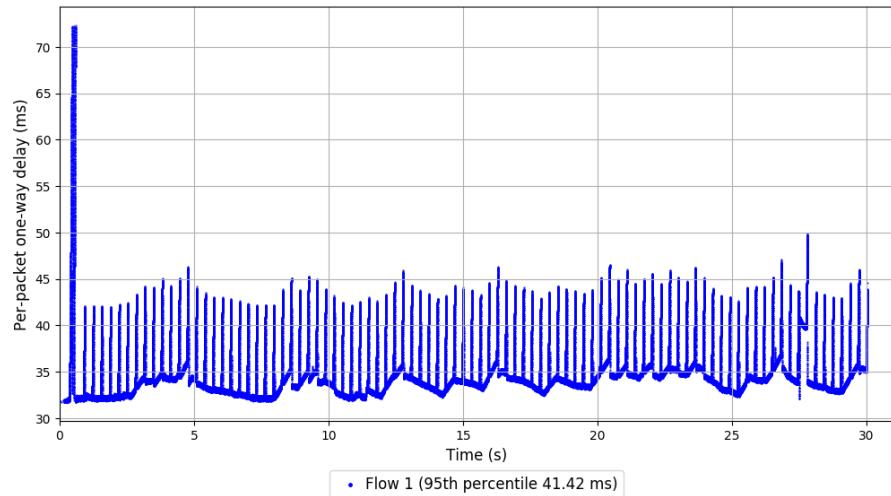
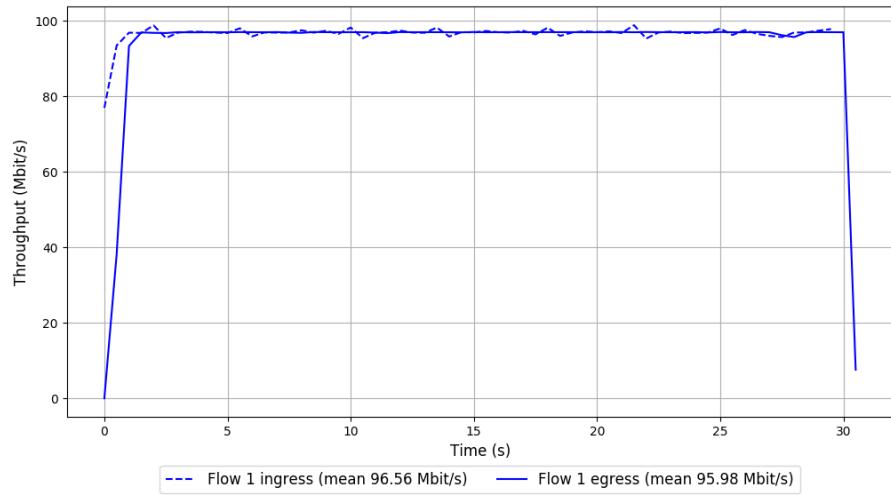


Run 4: Statistics of FillP

```
Start at: 2019-11-23 23:55:49
End at: 2019-11-23 23:56:19
Local clock offset: 5.037 ms
Remote clock offset: -3.543 ms

# Below is generated by plot.py at 2019-11-24 00:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 41.424 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 41.424 ms
Loss rate: 0.57%
```

Run 4: Report of FillP — Data Link

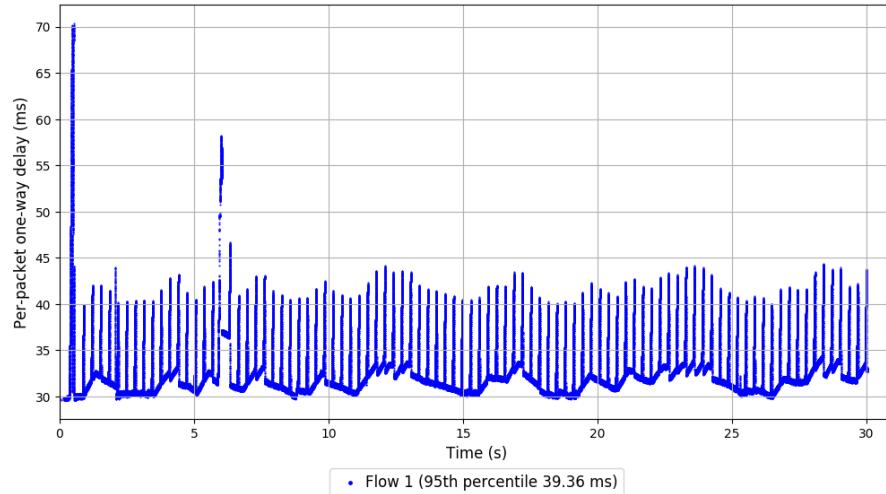
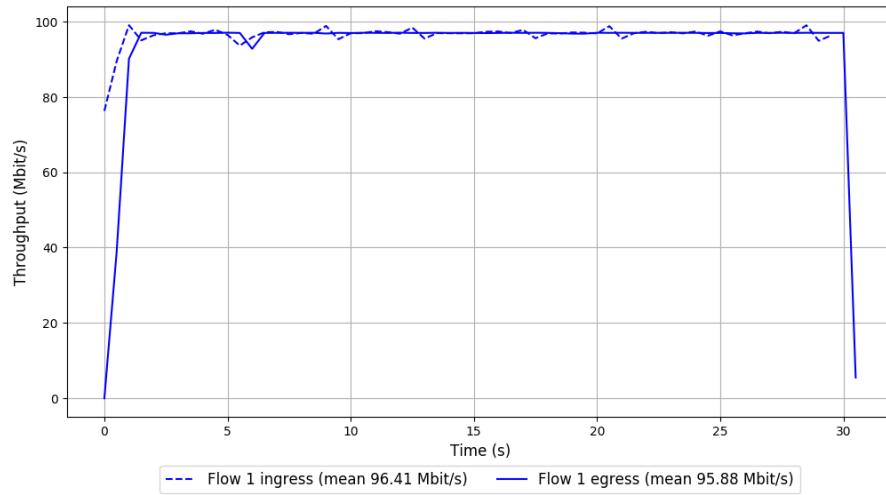


Run 5: Statistics of FillP

```
Start at: 2019-11-24 00:23:39
End at: 2019-11-24 00:24:09
Local clock offset: 6.238 ms
Remote clock offset: -3.289 ms

# Below is generated by plot.py at 2019-11-24 00:34:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 39.359 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 39.359 ms
Loss rate: 0.53%
```

Run 5: Report of FillP — Data Link

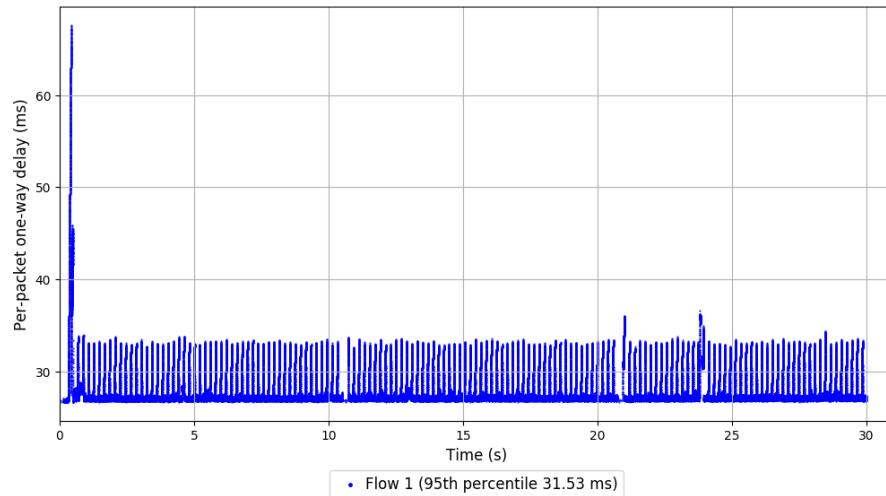
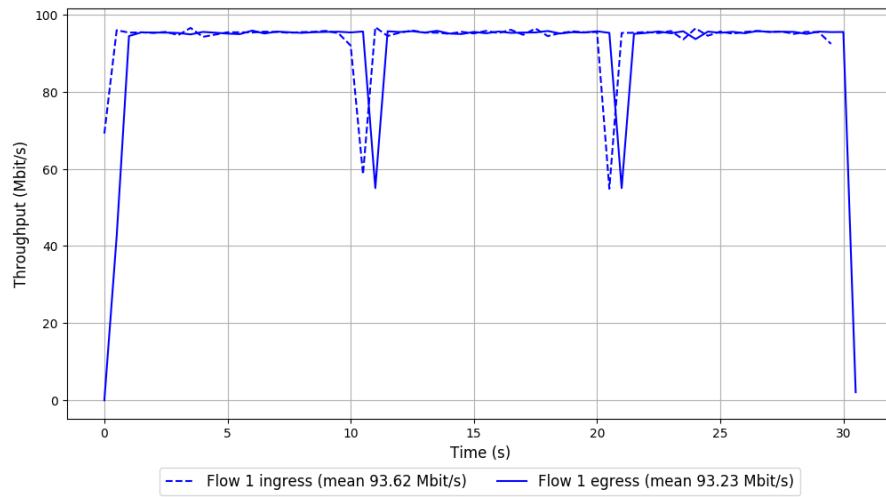


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-11-23 22:15:18
End at: 2019-11-23 22:15:48
Local clock offset: 7.886 ms
Remote clock offset: -4.648 ms

# Below is generated by plot.py at 2019-11-24 00:34:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 31.527 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 31.527 ms
Loss rate: 0.41%
```

Run 1: Report of FillP-Sheep — Data Link

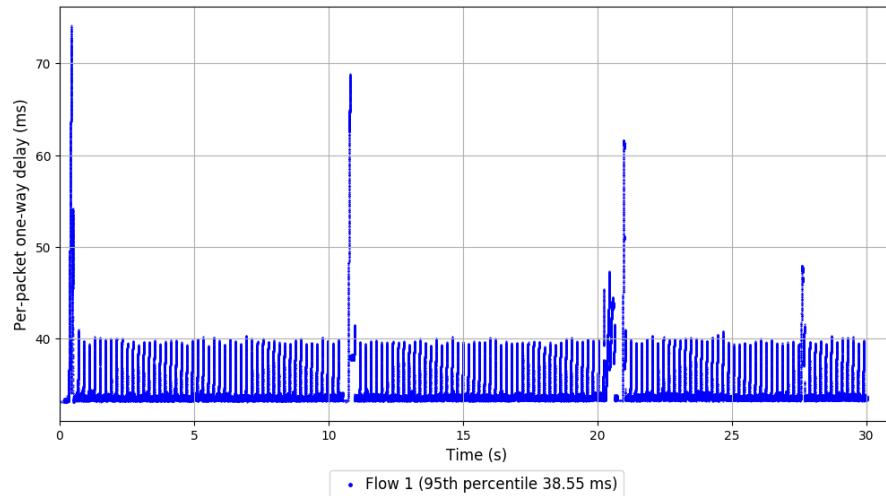
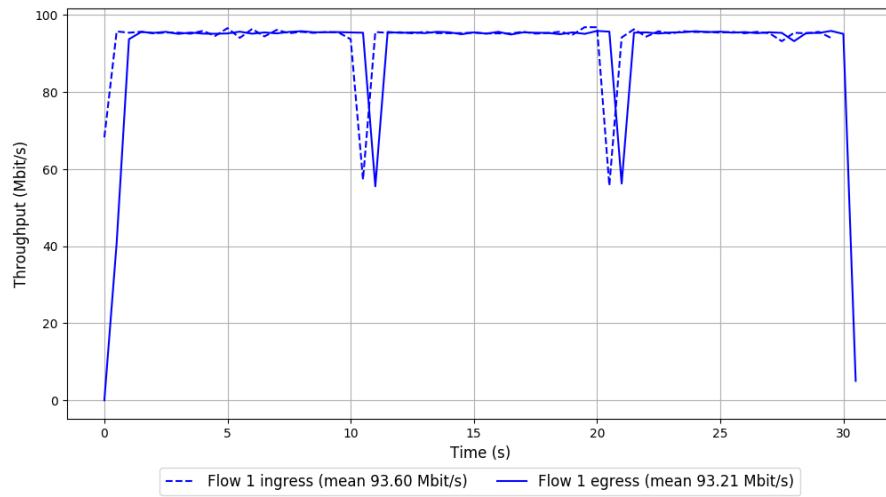


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-11-23 22:42:47
End at: 2019-11-23 22:43:17
Local clock offset: 0.312 ms
Remote clock offset: -4.764 ms

# Below is generated by plot.py at 2019-11-24 00:34:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 38.549 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 38.549 ms
Loss rate: 0.42%
```

Run 2: Report of FillP-Sheep — Data Link

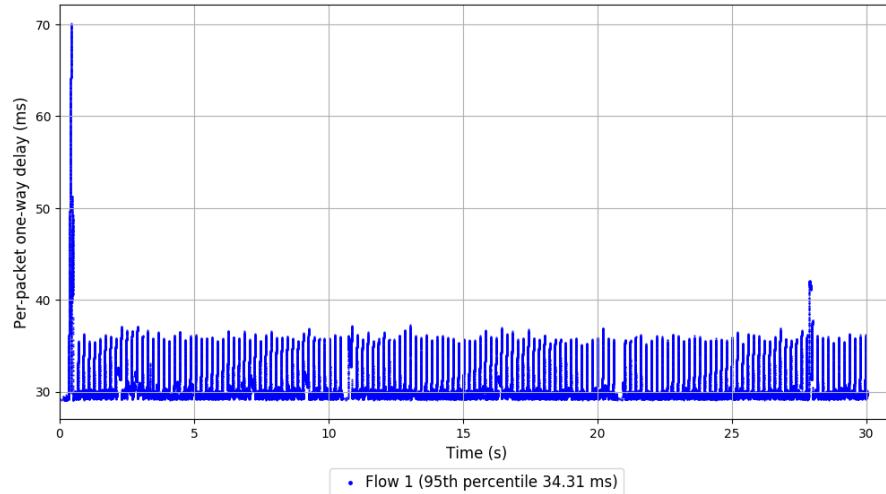
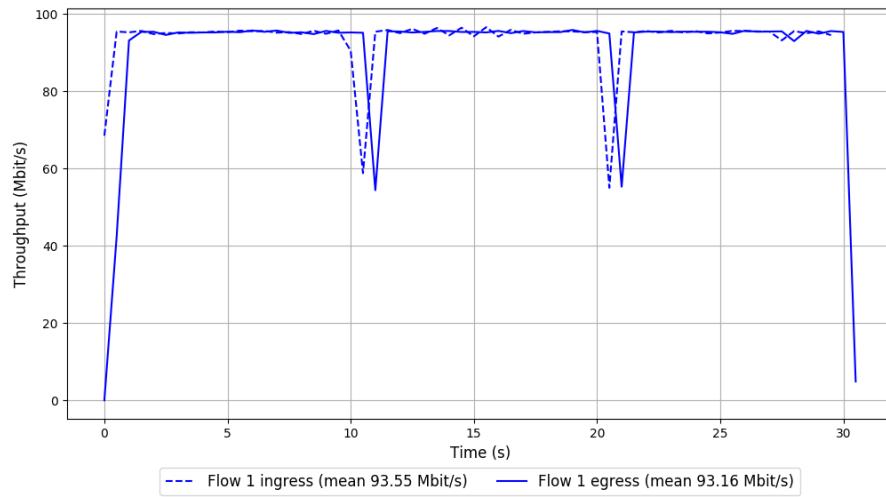


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-11-23 23:10:10
End at: 2019-11-23 23:10:40
Local clock offset: 3.829 ms
Remote clock offset: -5.09 ms

# Below is generated by plot.py at 2019-11-24 00:35:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 34.313 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 34.313 ms
Loss rate: 0.42%
```

Run 3: Report of FillP-Sheep — Data Link

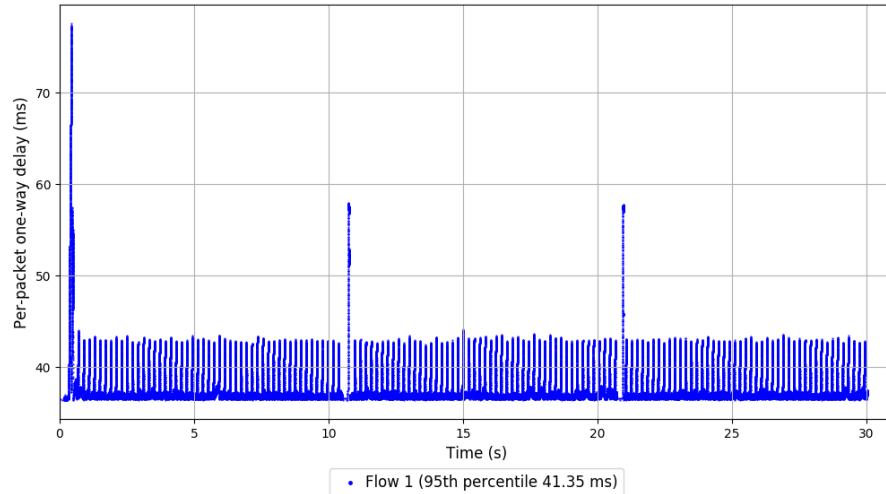
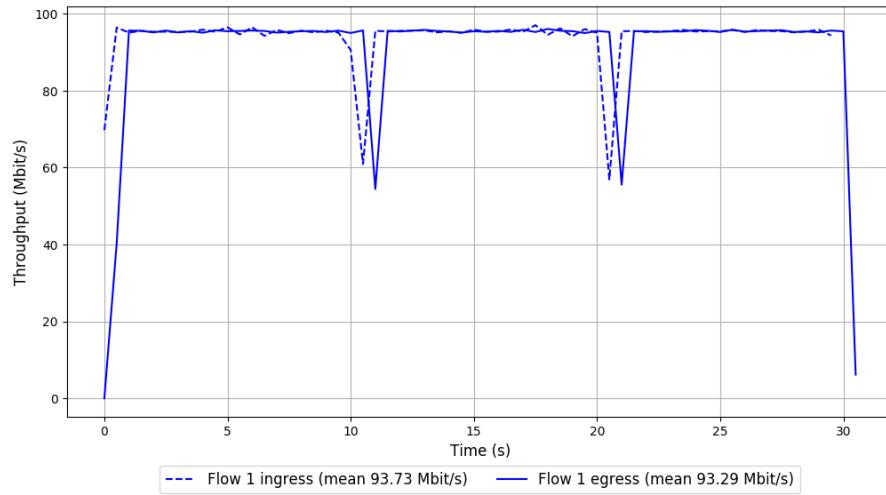


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-11-23 23:37:30
End at: 2019-11-23 23:38:00
Local clock offset: -1.642 ms
Remote clock offset: -3.224 ms

# Below is generated by plot.py at 2019-11-24 00:35:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 41.355 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 41.355 ms
Loss rate: 0.47%
```

Run 4: Report of FillP-Sheep — Data Link

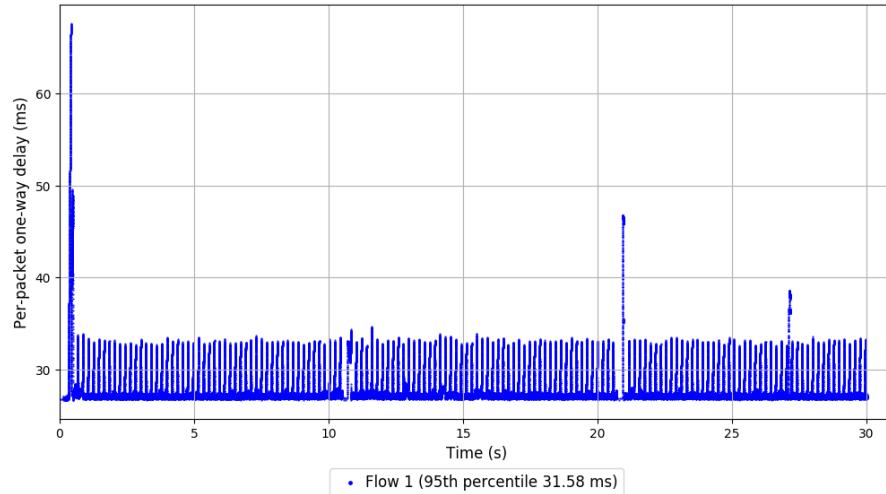
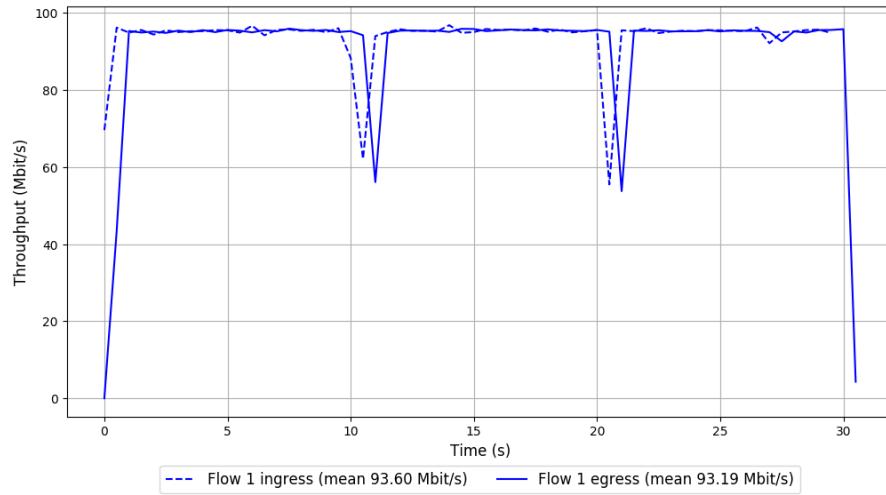


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-11-24 00:04:52
End at: 2019-11-24 00:05:22
Local clock offset: 7.674 ms
Remote clock offset: -4.535 ms

# Below is generated by plot.py at 2019-11-24 00:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 31.584 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 31.584 ms
Loss rate: 0.44%
```

Run 5: Report of FillP-Sheep — Data Link

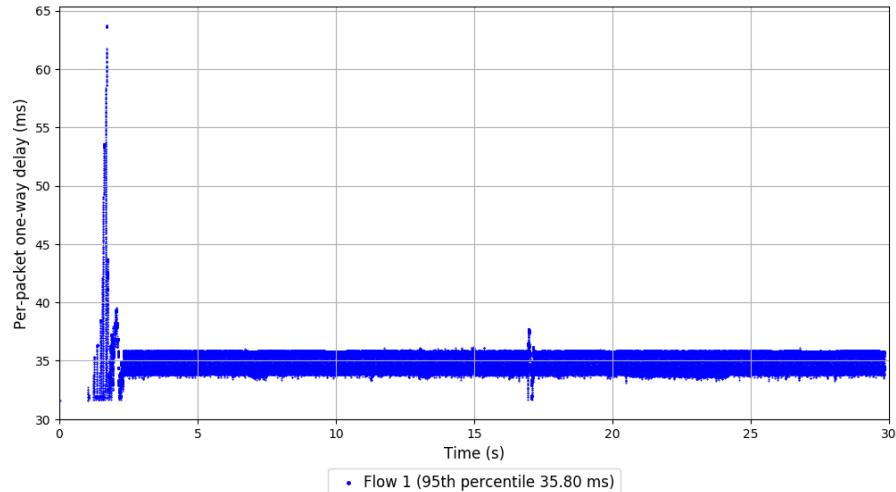
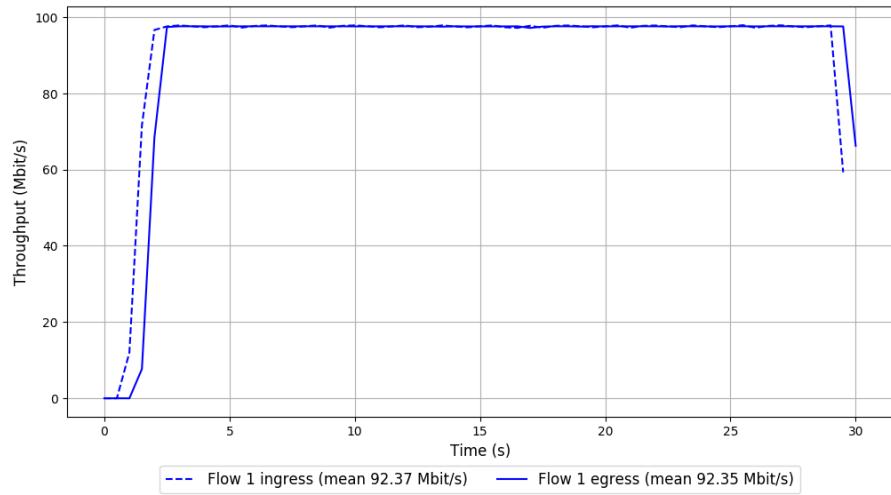


Run 1: Statistics of Indigo

```
Start at: 2019-11-23 22:14:08
End at: 2019-11-23 22:14:38
Local clock offset: 5.222 ms
Remote clock offset: -2.395 ms

# Below is generated by plot.py at 2019-11-24 00:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 35.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 35.804 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

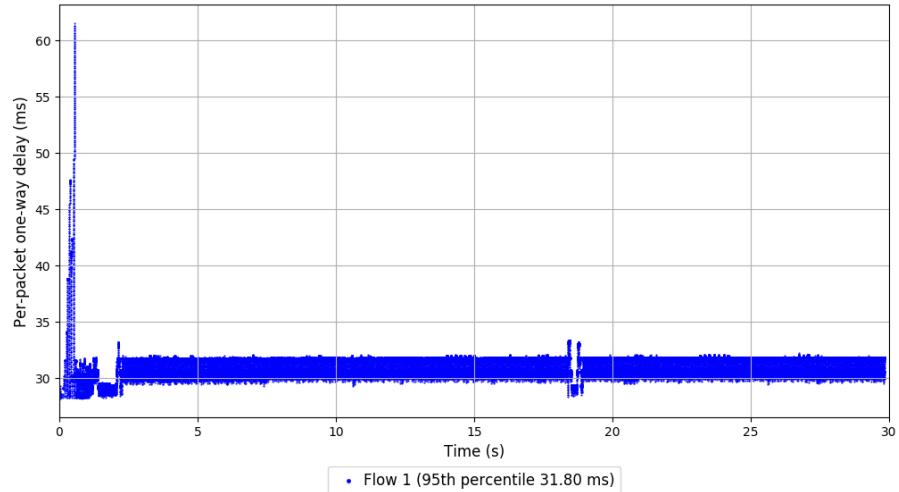
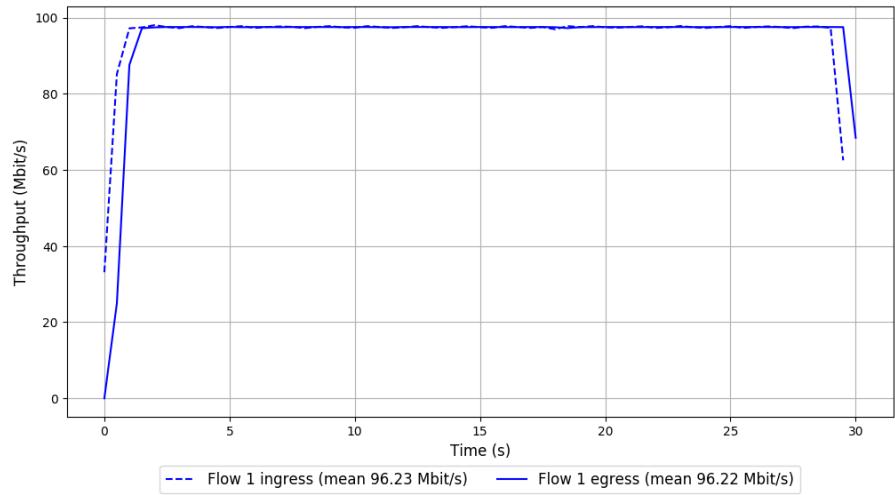


Run 2: Statistics of Indigo

```
Start at: 2019-11-23 22:41:33
End at: 2019-11-23 22:42:03
Local clock offset: 4.127 ms
Remote clock offset: -3.546 ms

# Below is generated by plot.py at 2019-11-24 00:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 31.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 31.800 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

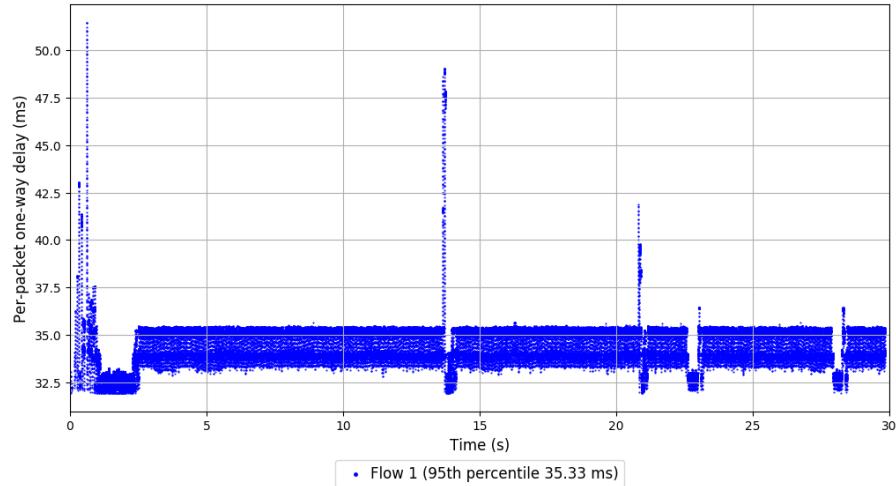
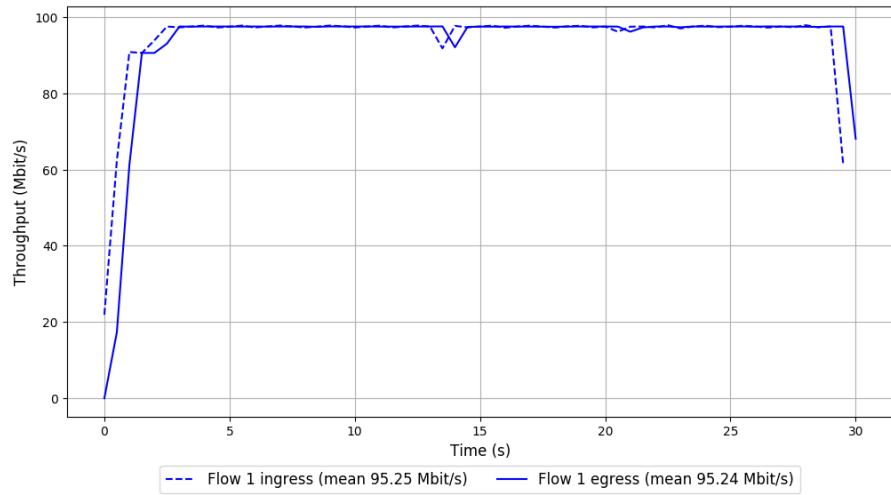


Run 3: Statistics of Indigo

```
Start at: 2019-11-23 23:08:59
End at: 2019-11-23 23:09:29
Local clock offset: 0.289 ms
Remote clock offset: -5.971 ms

# Below is generated by plot.py at 2019-11-24 00:35:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 35.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 35.332 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

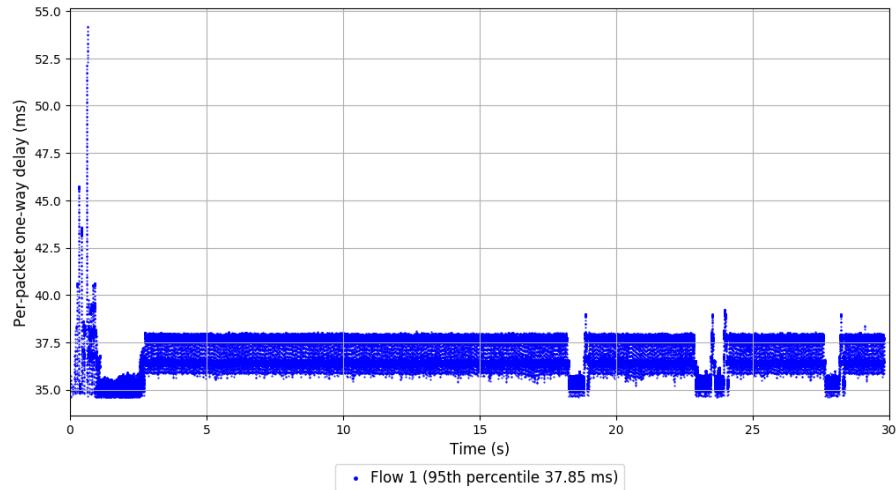
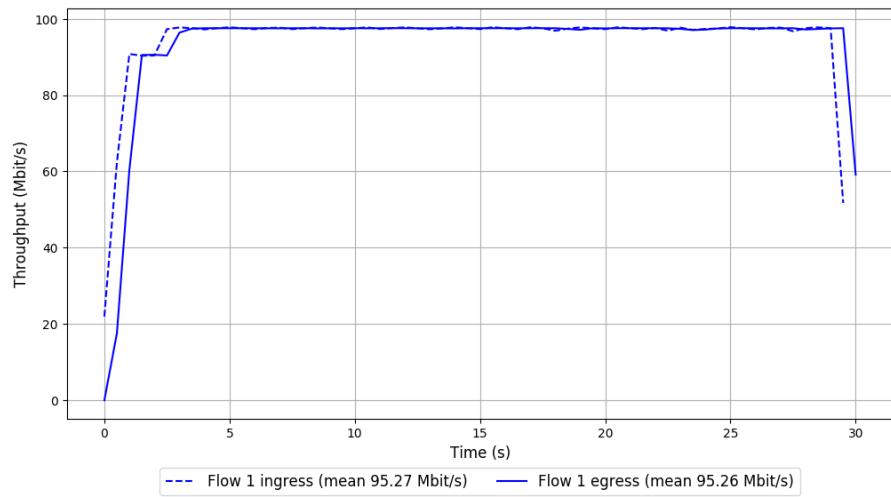


Run 4: Statistics of Indigo

```
Start at: 2019-11-23 23:36:19
End at: 2019-11-23 23:36:49
Local clock offset: -0.809 ms
Remote clock offset: -3.681 ms

# Below is generated by plot.py at 2019-11-24 00:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 37.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 37.855 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

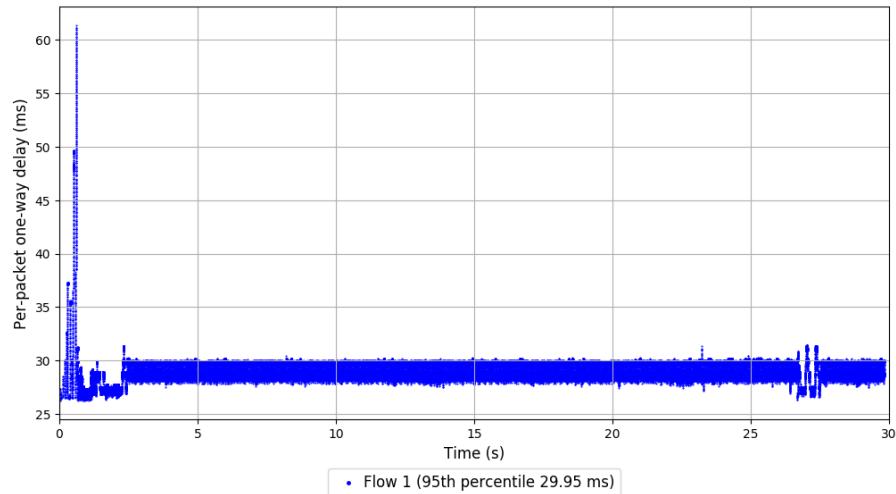
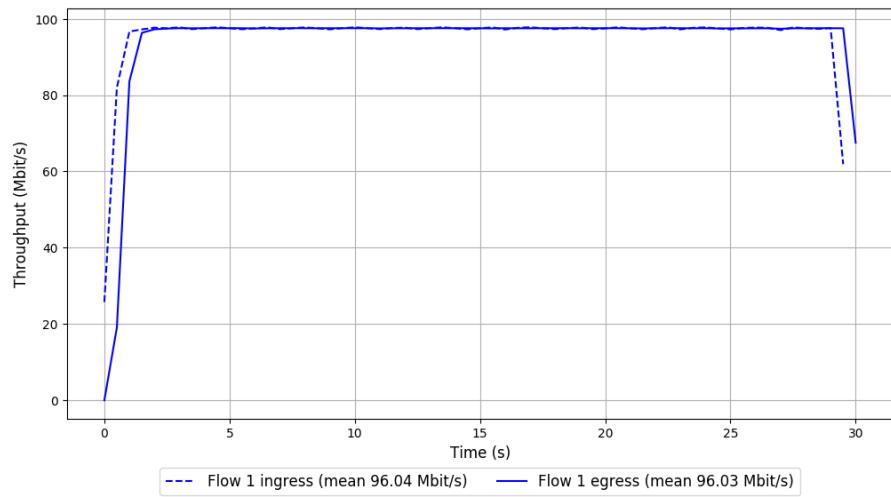


Run 5: Statistics of Indigo

```
Start at: 2019-11-24 00:03:42
End at: 2019-11-24 00:04:12
Local clock offset: 7.439 ms
Remote clock offset: -4.558 ms

# Below is generated by plot.py at 2019-11-24 00:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 29.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 29.954 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

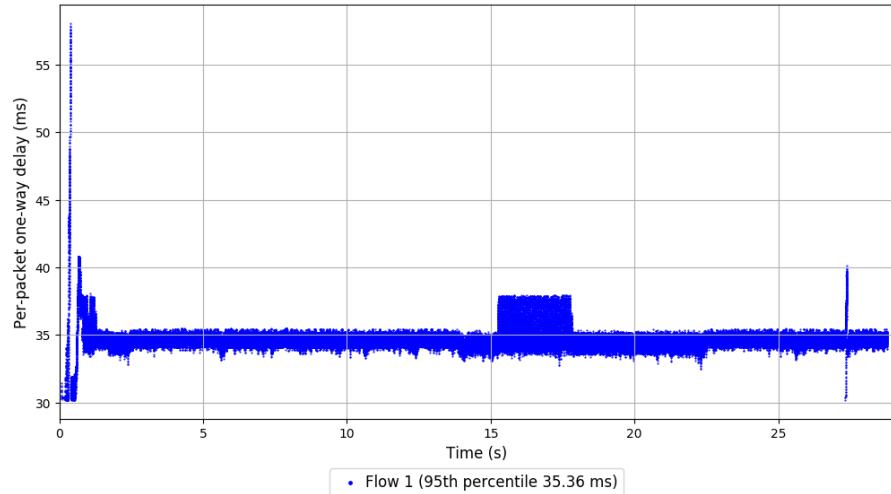
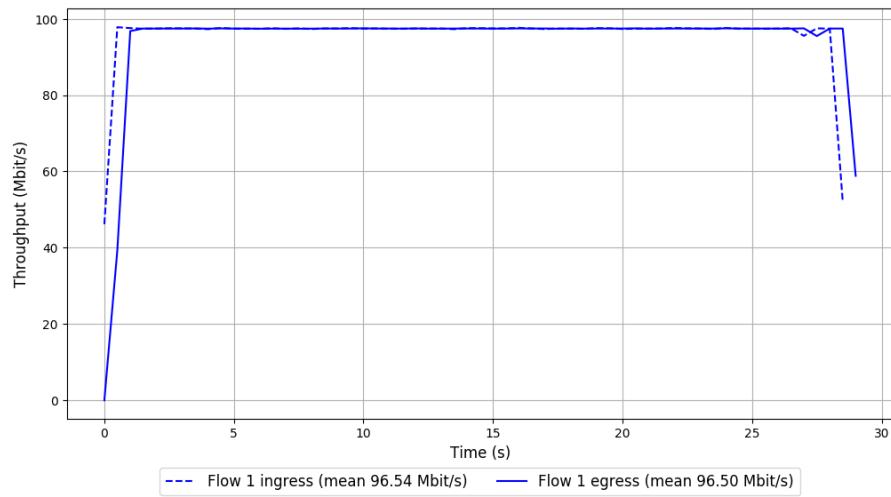


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-11-23 22:34:47
End at: 2019-11-23 22:35:17
Local clock offset: 4.784 ms
Remote clock offset: -1.497 ms

# Below is generated by plot.py at 2019-11-24 00:36:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 35.357 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 35.357 ms
Loss rate: 0.03%
```

Run 1: Report of Indigo-MusesC3 — Data Link

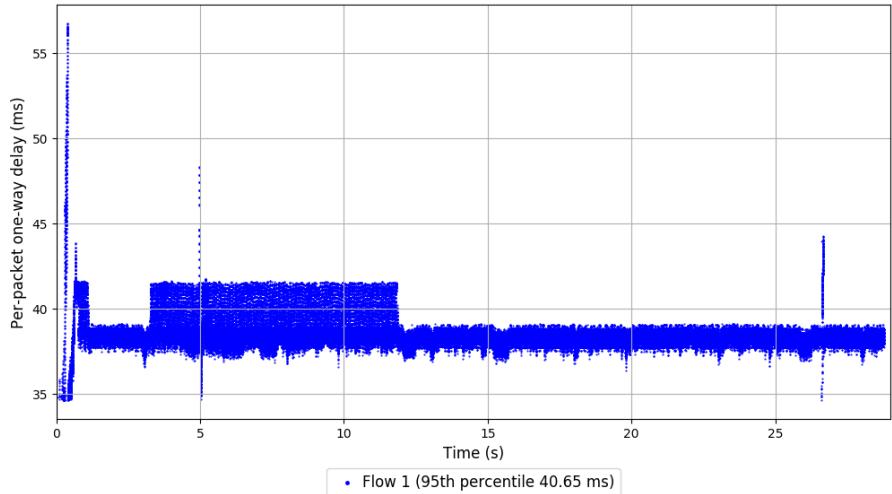
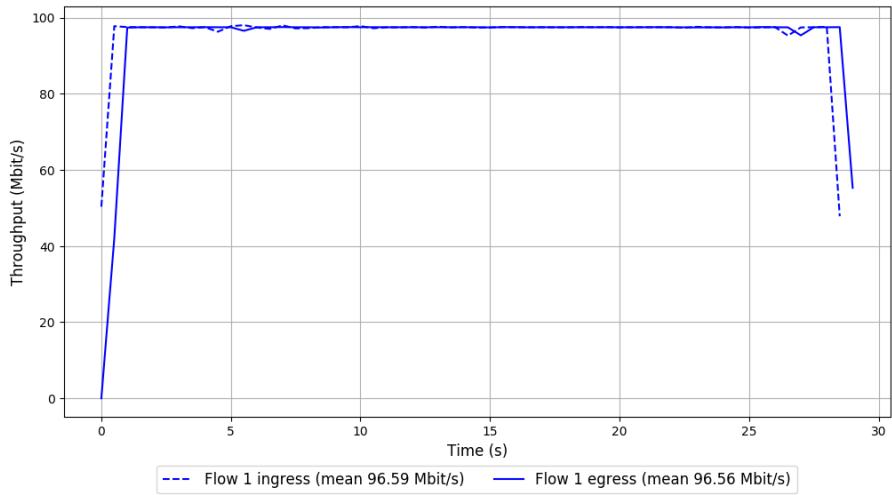


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-11-23 23:02:15
End at: 2019-11-23 23:02:45
Local clock offset: 0.179 ms
Remote clock offset: -3.448 ms

# Below is generated by plot.py at 2019-11-24 00:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 40.651 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 40.651 ms
Loss rate: 0.02%
```

Run 2: Report of Indigo-MusesC3 — Data Link

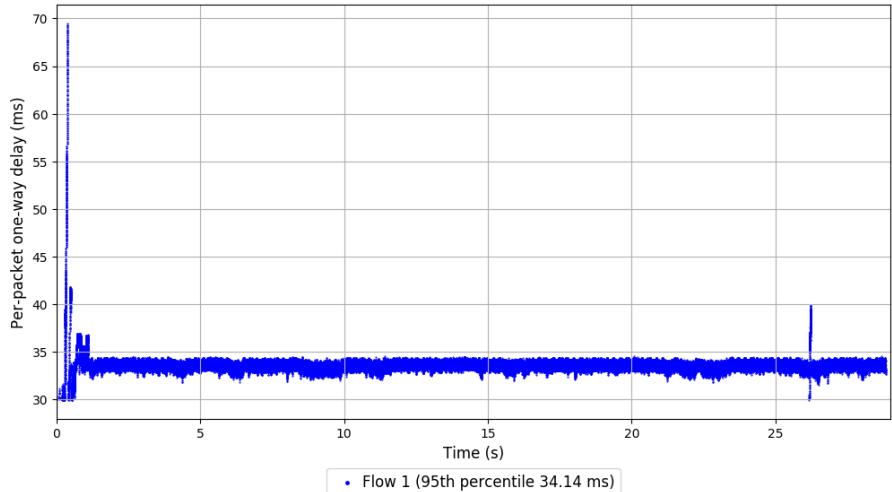
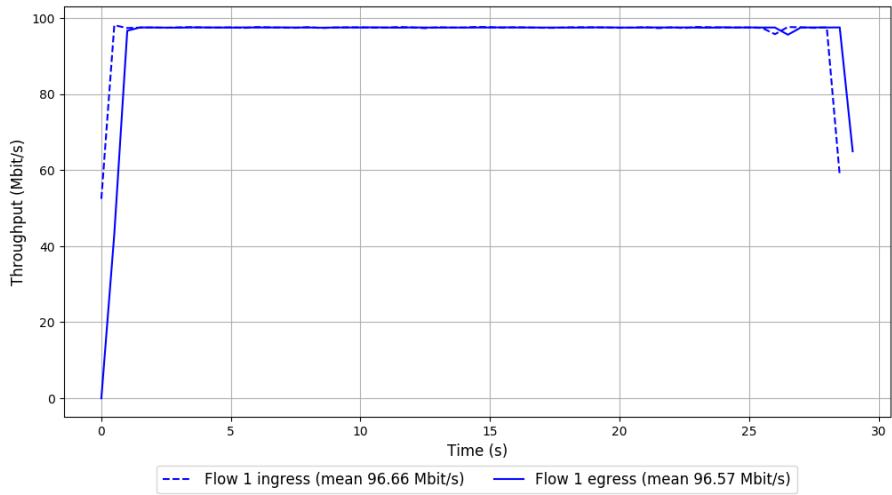


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-11-23 23:29:32
End at: 2019-11-23 23:30:02
Local clock offset: 4.798 ms
Remote clock offset: -2.917 ms

# Below is generated by plot.py at 2019-11-24 00:36:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 34.137 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 34.137 ms
Loss rate: 0.08%
```

Run 3: Report of Indigo-MusesC3 — Data Link

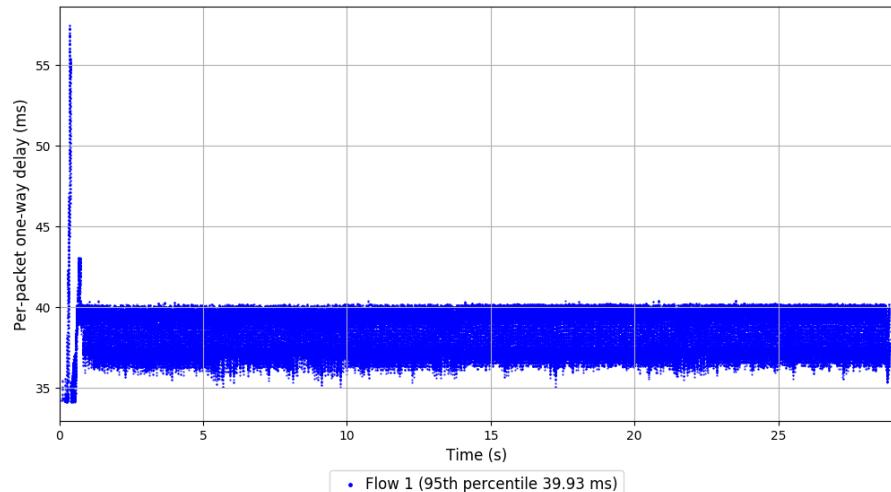
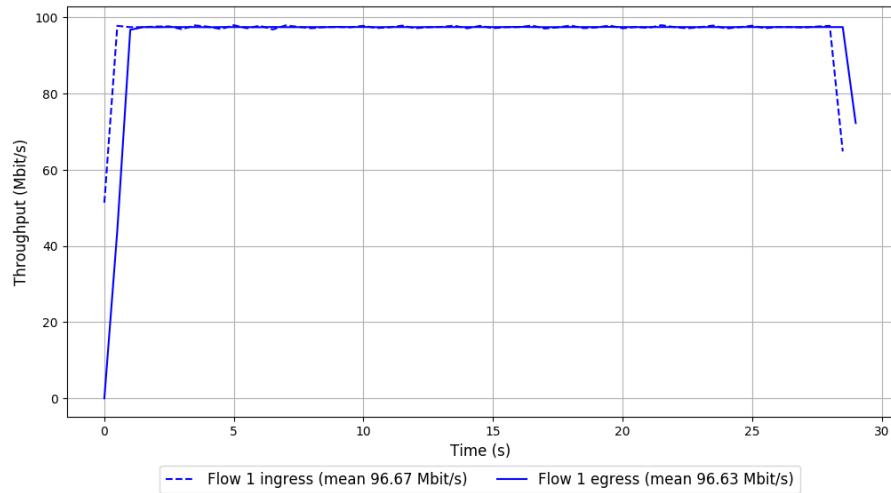


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-11-23 23:56:58
End at: 2019-11-23 23:57:28
Local clock offset: 1.853 ms
Remote clock offset: -4.582 ms

# Below is generated by plot.py at 2019-11-24 00:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 39.931 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 39.931 ms
Loss rate: 0.02%
```

Run 4: Report of Indigo-MusesC3 — Data Link

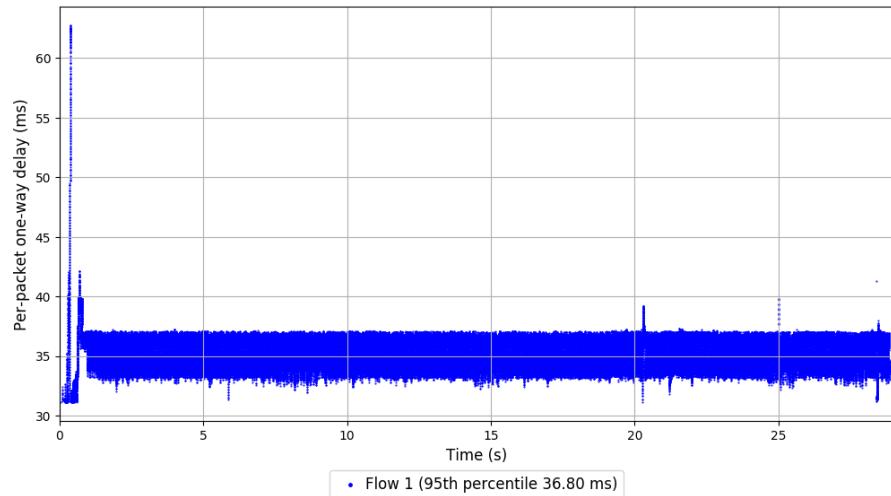
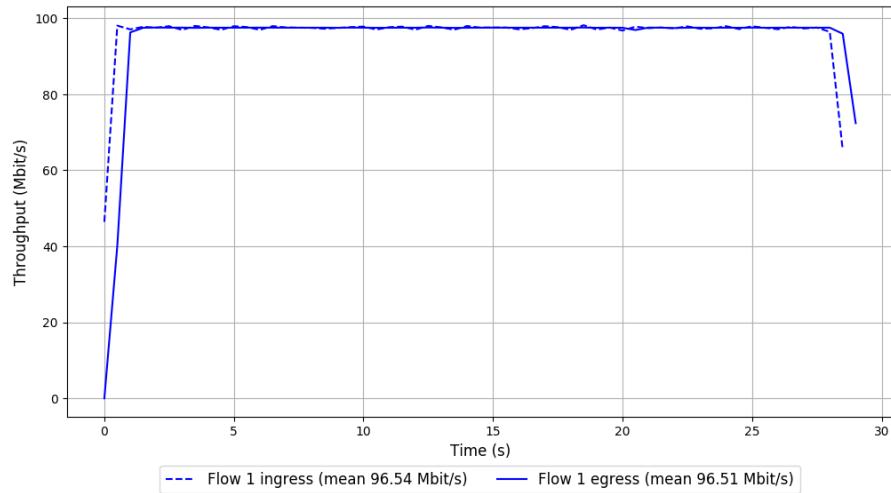


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 00:24:48
End at: 2019-11-24 00:25:18
Local clock offset: 7.256 ms
Remote clock offset: -1.744 ms

# Below is generated by plot.py at 2019-11-24 00:36:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 36.799 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 36.799 ms
Loss rate: 0.02%
```

Run 5: Report of Indigo-MusesC3 — Data Link

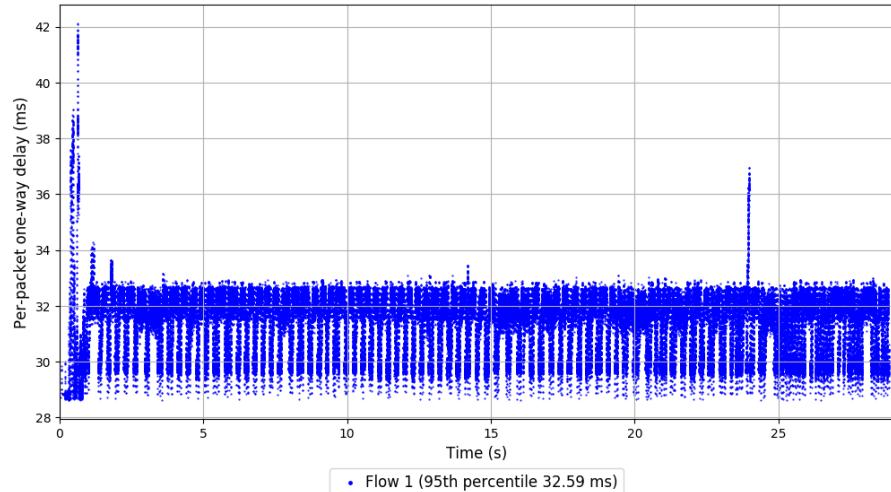
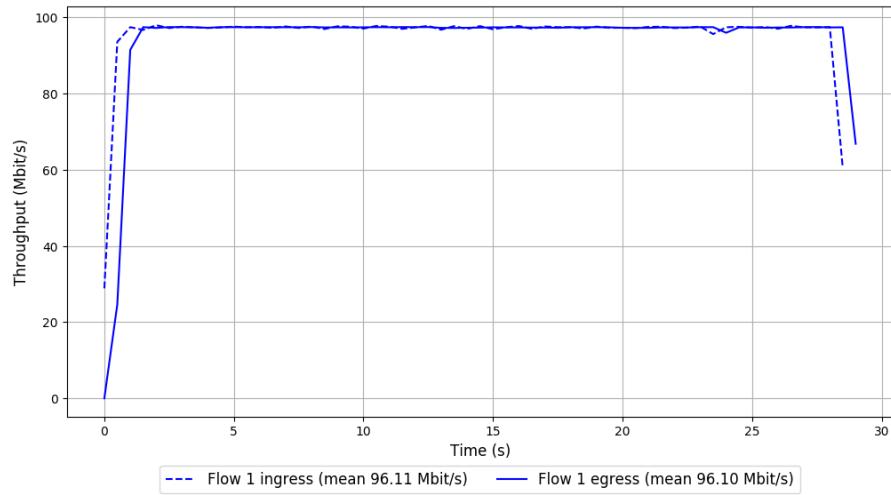


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-11-23 22:29:05
End at: 2019-11-23 22:29:35
Local clock offset: 4.242 ms
Remote clock offset: -4.575 ms

# Below is generated by plot.py at 2019-11-24 00:36:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 32.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 32.588 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC5 — Data Link

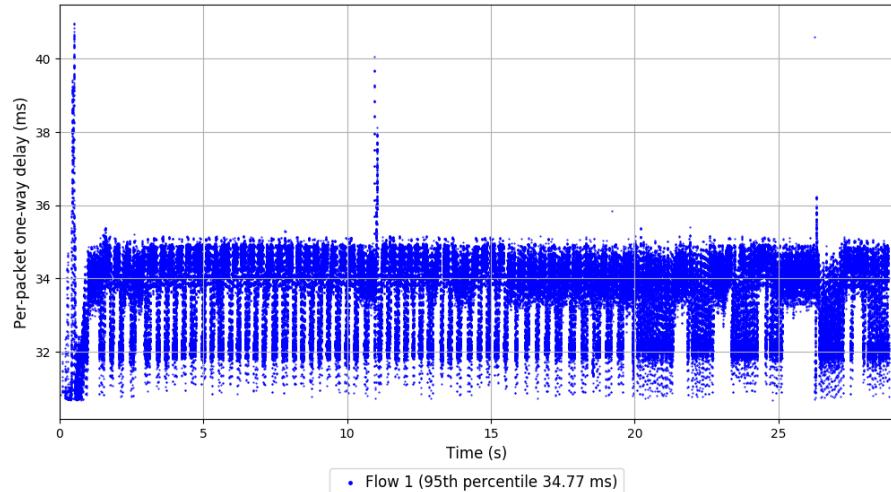
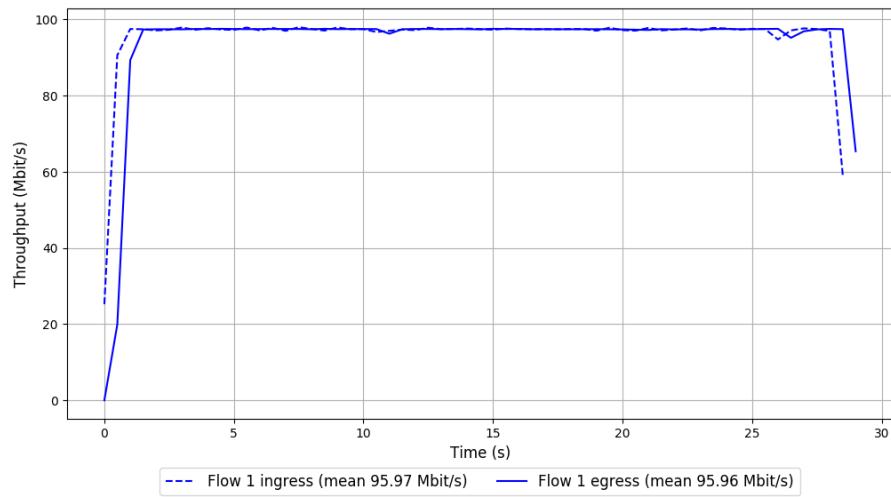


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-11-23 22:56:33
End at: 2019-11-23 22:57:03
Local clock offset: 4.914 ms
Remote clock offset: -2.624 ms

# Below is generated by plot.py at 2019-11-24 00:36:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 34.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 34.770 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC5 — Data Link

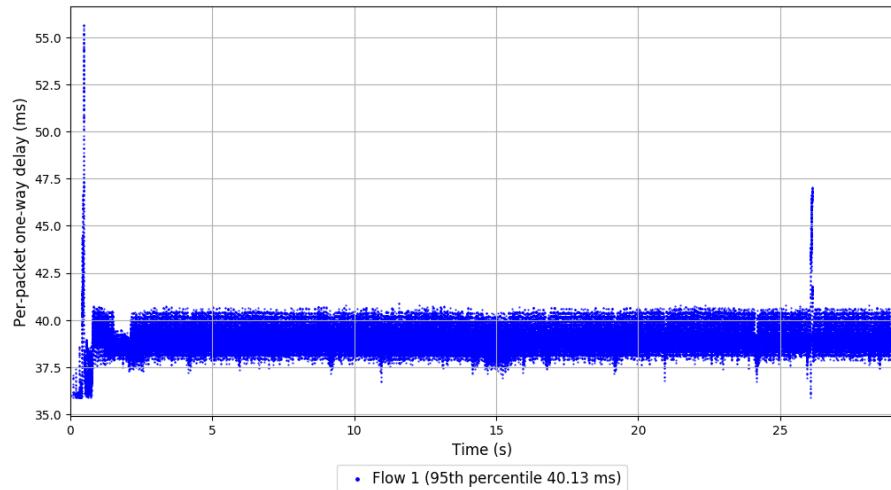
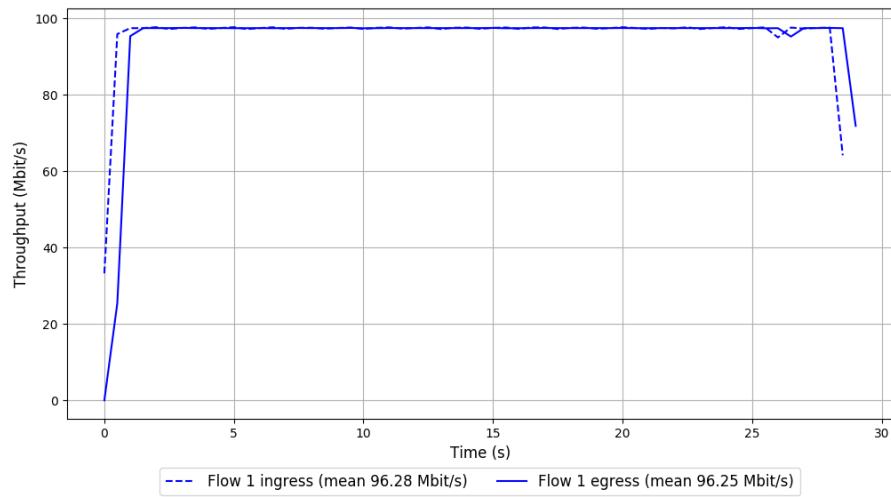


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-11-23 23:23:49
End at: 2019-11-23 23:24:19
Local clock offset: -0.165 ms
Remote clock offset: -2.872 ms

# Below is generated by plot.py at 2019-11-24 00:37:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 40.129 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 40.129 ms
Loss rate: 0.02%
```

Run 3: Report of Indigo-MusesC5 — Data Link

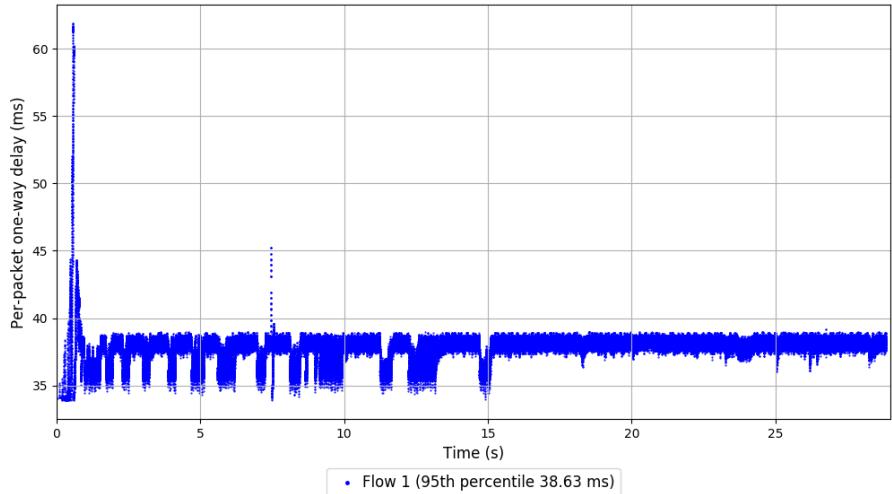
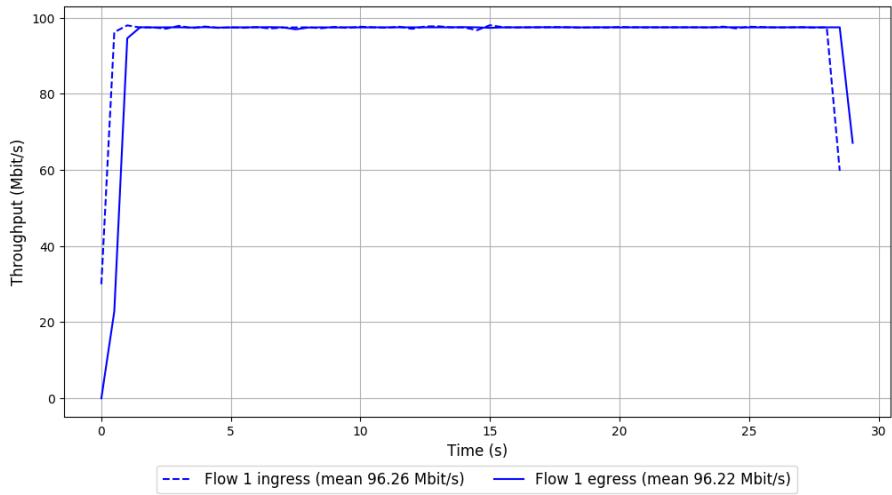


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-11-23 23:51:15
End at: 2019-11-23 23:51:45
Local clock offset: 0.624 ms
Remote clock offset: -4.103 ms

# Below is generated by plot.py at 2019-11-24 00:37:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 38.635 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 38.635 ms
Loss rate: 0.03%
```

Run 4: Report of Indigo-MusesC5 — Data Link

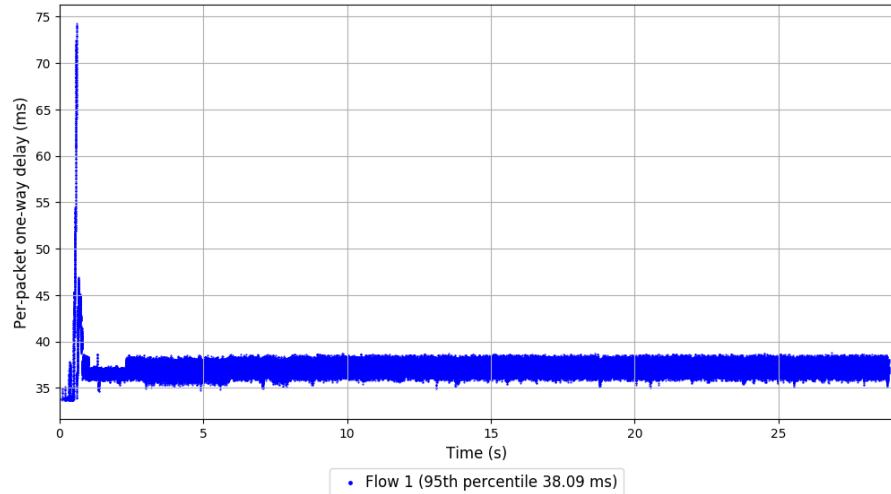
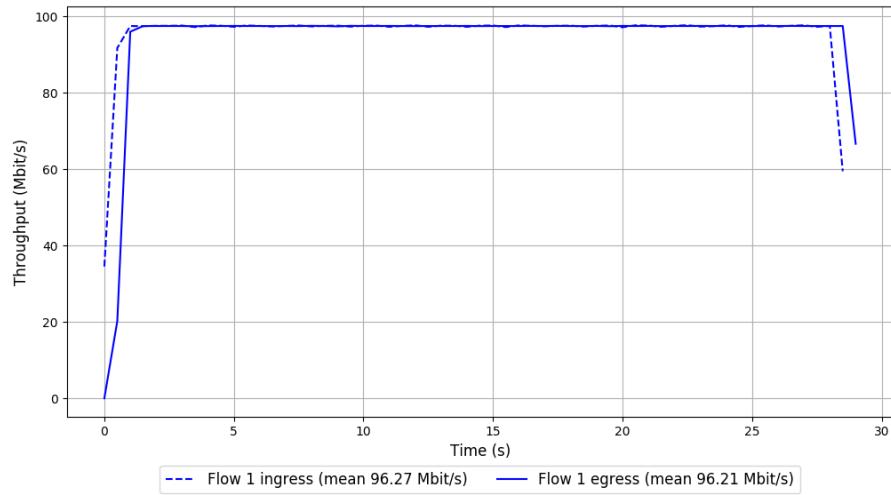


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 00:19:04
End at: 2019-11-24 00:19:34
Local clock offset: 1.952 ms
Remote clock offset: -4.5 ms

# Below is generated by plot.py at 2019-11-24 00:37:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 38.091 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 38.091 ms
Loss rate: 0.05%
```

Run 5: Report of Indigo-MusesC5 — Data Link

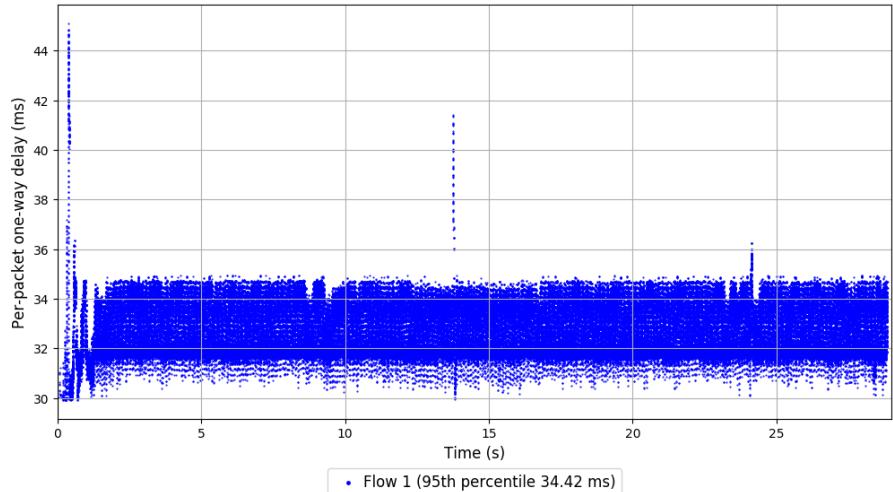
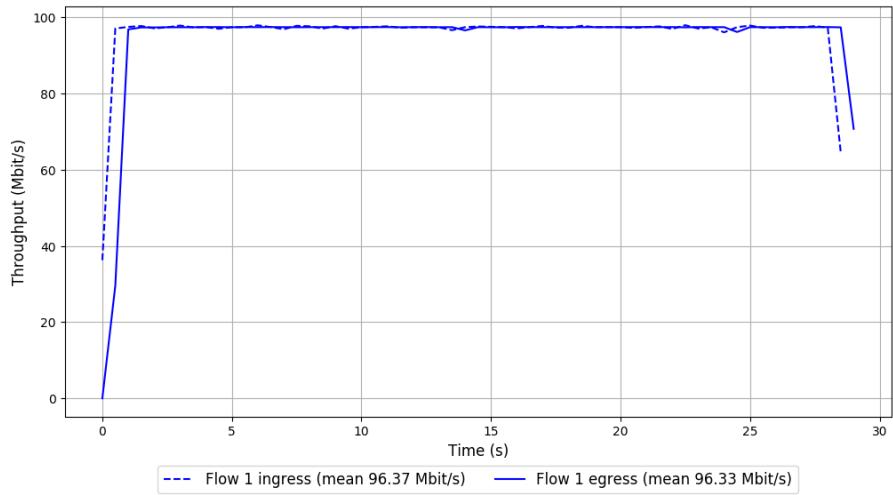


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-11-23 22:25:34
End at: 2019-11-23 22:26:04
Local clock offset: 5.574 ms
Remote clock offset: -1.422 ms

# Below is generated by plot.py at 2019-11-24 00:37:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 34.423 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 34.423 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo-MusesD — Data Link

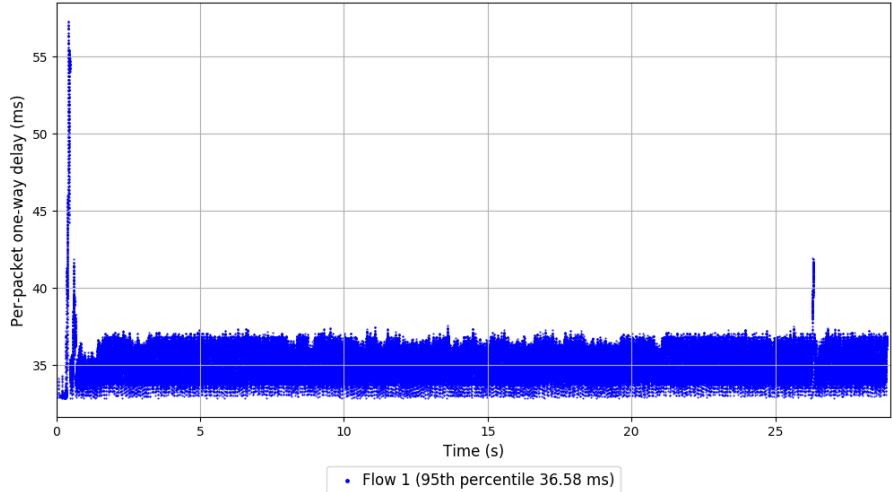
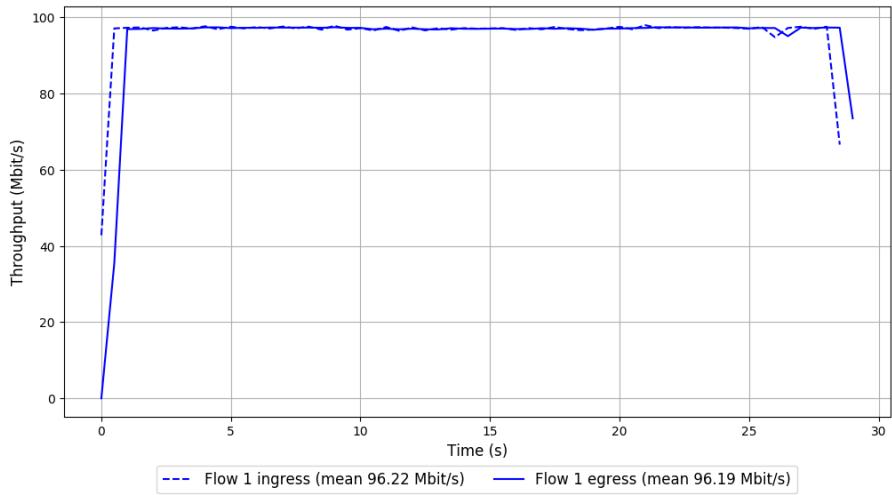


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-11-23 22:53:08
End at: 2019-11-23 22:53:38
Local clock offset: 0.326 ms
Remote clock offset: -5.022 ms

# Below is generated by plot.py at 2019-11-24 00:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 36.579 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 36.579 ms
Loss rate: 0.02%
```

Run 2: Report of Indigo-MusesD — Data Link

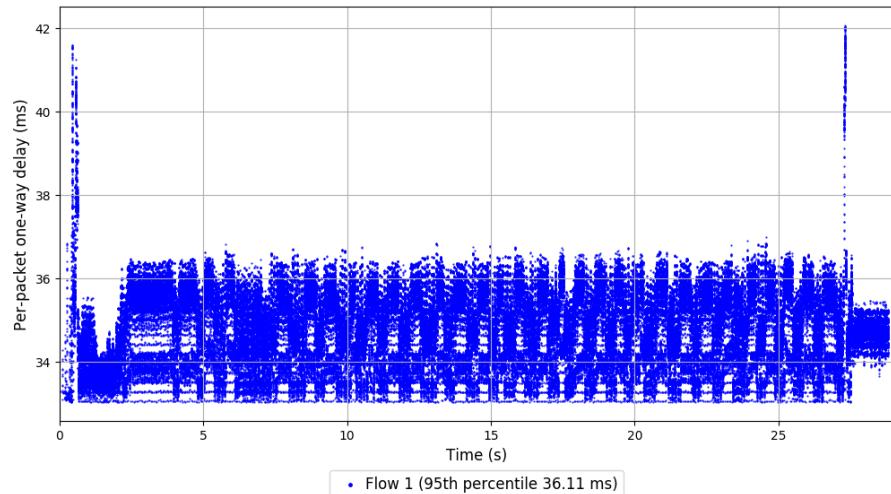
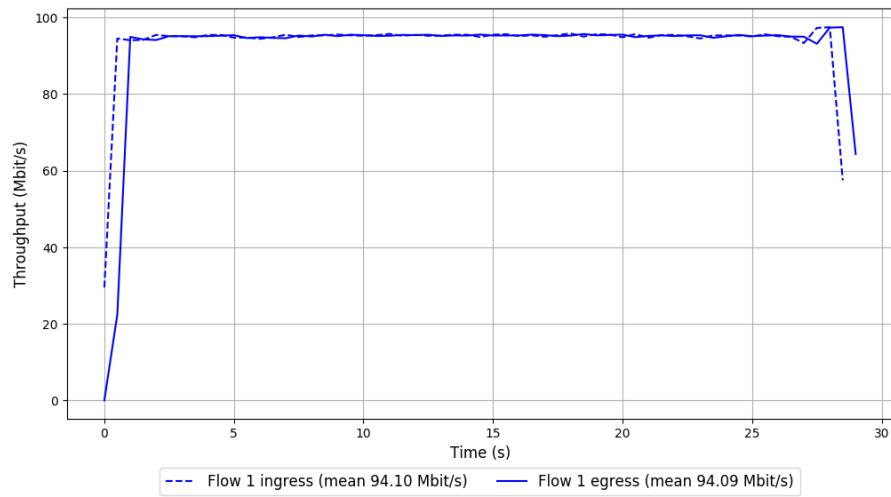


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-11-23 23:20:23
End at: 2019-11-23 23:20:53
Local clock offset: -0.127 ms
Remote clock offset: -4.307 ms

# Below is generated by plot.py at 2019-11-24 00:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 36.110 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 36.110 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-MusesD — Data Link

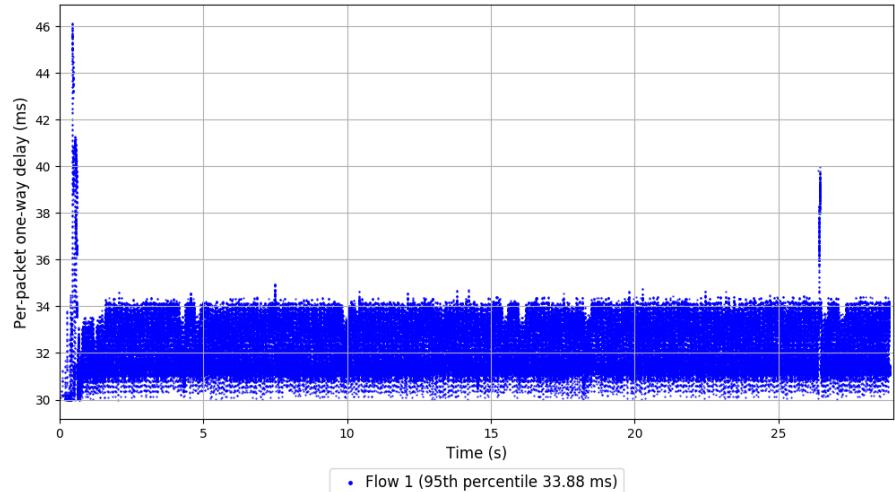
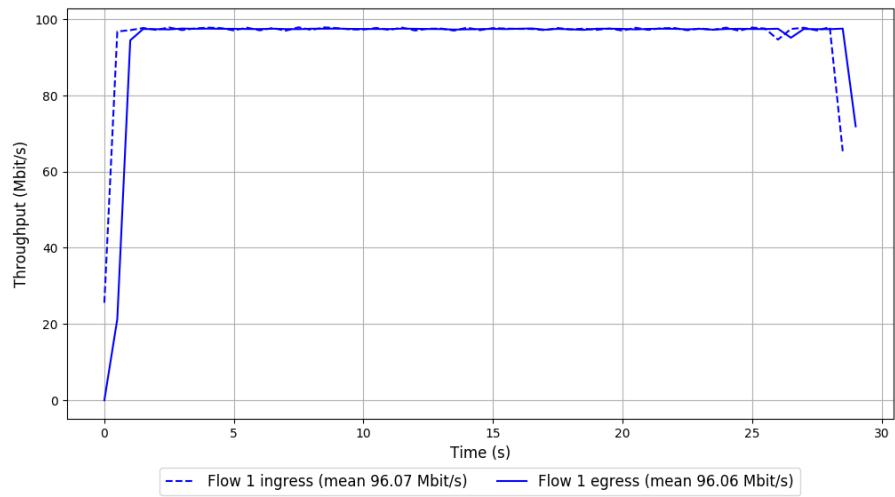


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-11-23 23:47:48
End at: 2019-11-23 23:48:18
Local clock offset: 5.582 ms
Remote clock offset: -3.468 ms

# Below is generated by plot.py at 2019-11-24 00:37:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 33.885 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 33.885 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-MusesD — Data Link

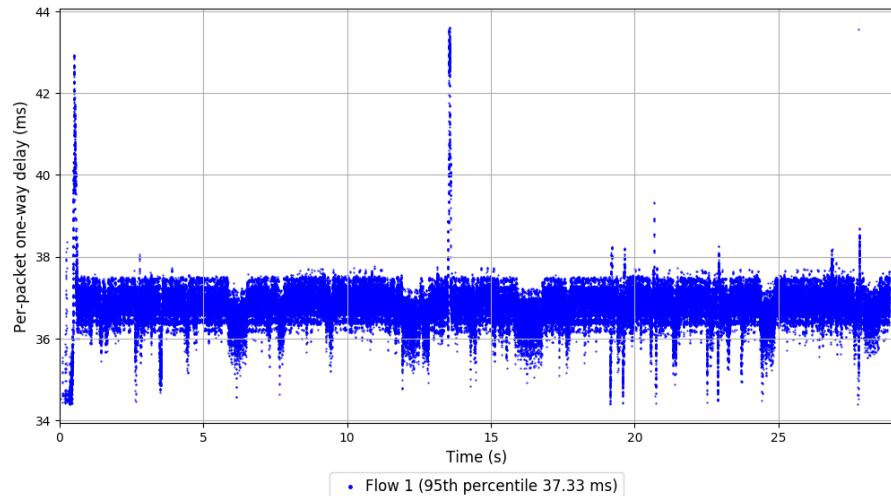
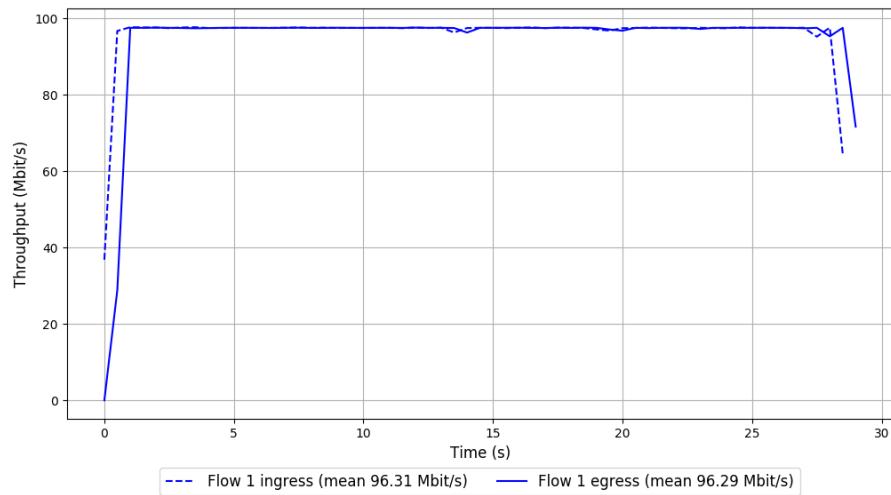


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 00:15:30
End at: 2019-11-24 00:16:00
Local clock offset: 2.071 ms
Remote clock offset: -1.475 ms

# Below is generated by plot.py at 2019-11-24 00:37:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 37.326 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 37.326 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo-MusesD — Data Link

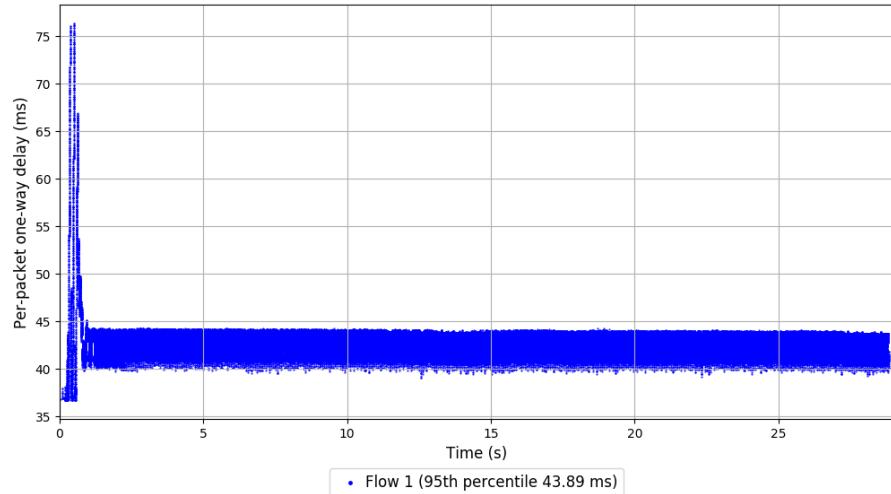
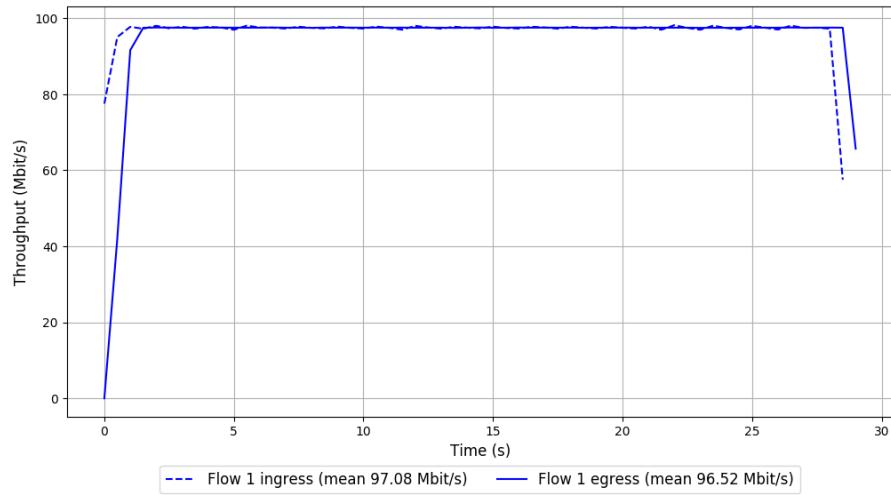


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-11-23 22:18:40
End at: 2019-11-23 22:19:10
Local clock offset: 1.109 ms
Remote clock offset: -1.57 ms

# Below is generated by plot.py at 2019-11-24 00:38:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 43.894 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 43.894 ms
Loss rate: 0.55%
```

Run 1: Report of Indigo-MusesT — Data Link

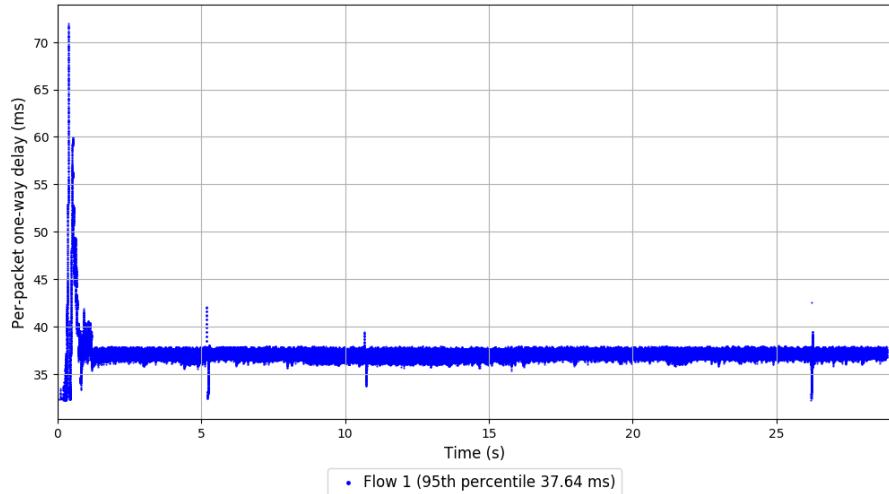
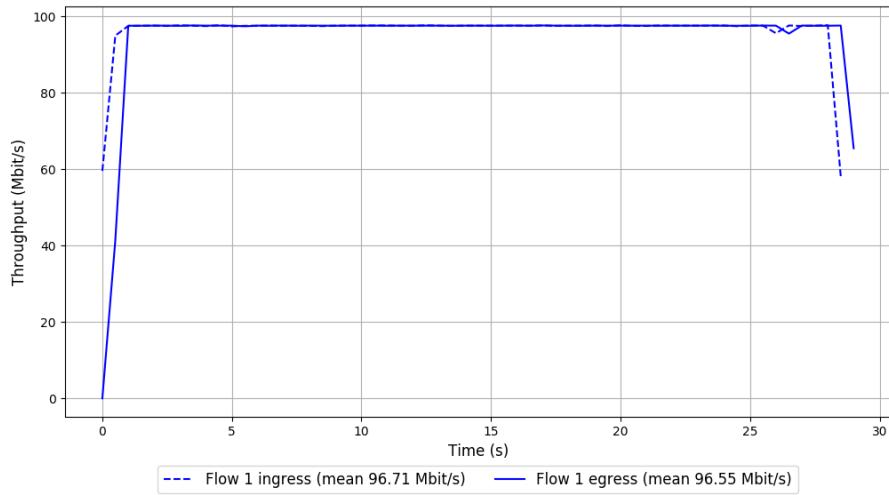


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-11-23 22:46:12
End at: 2019-11-23 22:46:42
Local clock offset: 3.956 ms
Remote clock offset: -1.027 ms

# Below is generated by plot.py at 2019-11-24 00:38:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 37.637 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 37.637 ms
Loss rate: 0.15%
```

Run 2: Report of Indigo-MusesT — Data Link

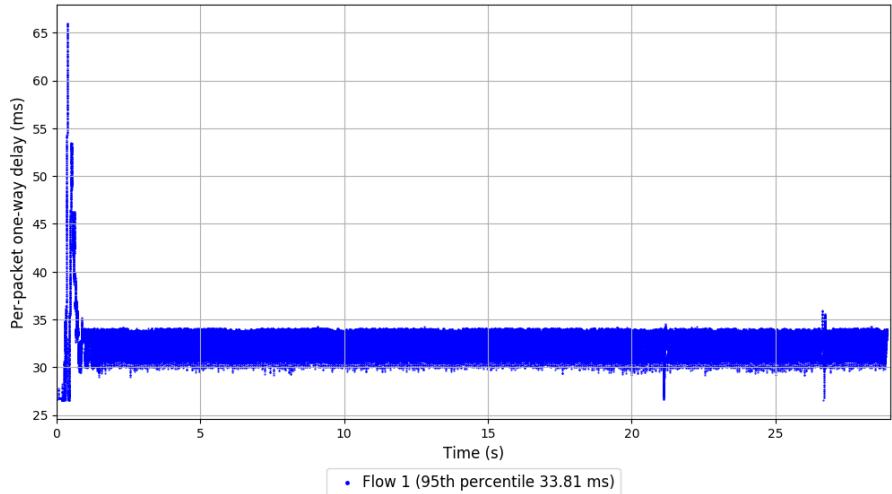
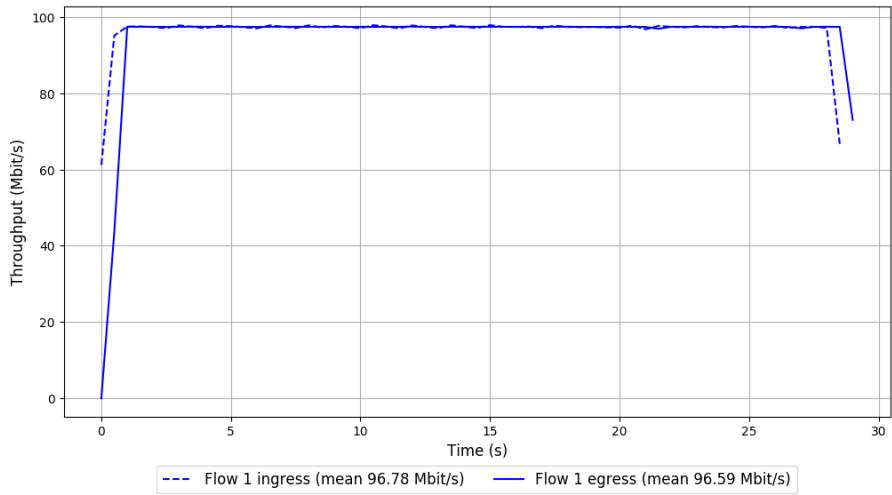


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-11-23 23:13:32
End at: 2019-11-23 23:14:02
Local clock offset: 5.623 ms
Remote clock offset: -5.867 ms

# Below is generated by plot.py at 2019-11-24 00:38:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 33.812 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 33.812 ms
Loss rate: 0.16%
```

Run 3: Report of Indigo-MusesT — Data Link

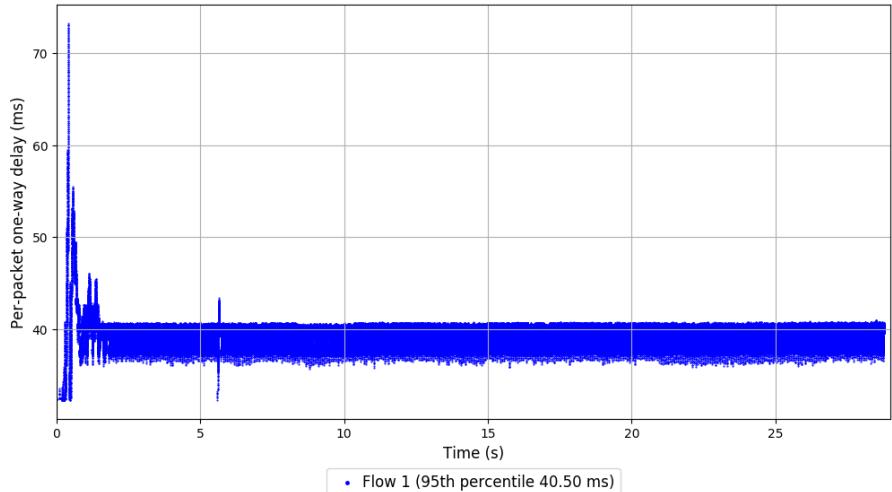
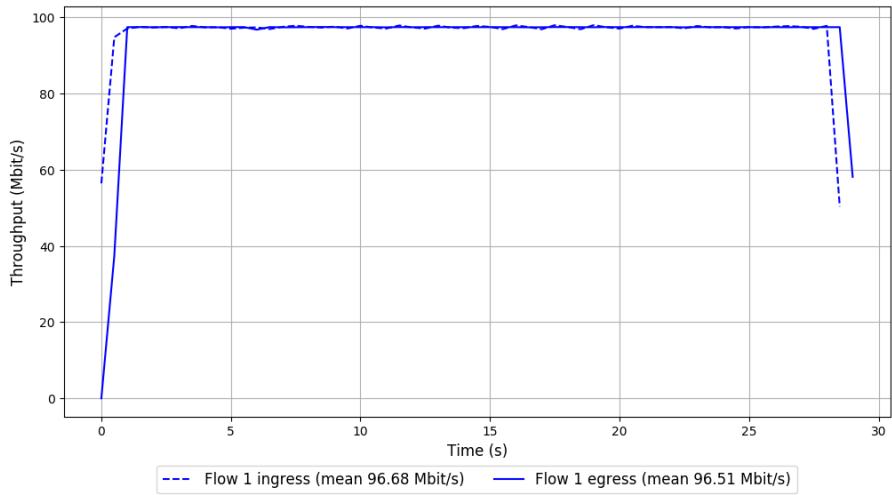


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-11-23 23:40:54
End at: 2019-11-23 23:41:24
Local clock offset: 0.065 ms
Remote clock offset: -4.825 ms

# Below is generated by plot.py at 2019-11-24 00:38:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 40.501 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 40.501 ms
Loss rate: 0.15%
```

Run 4: Report of Indigo-MusesT — Data Link

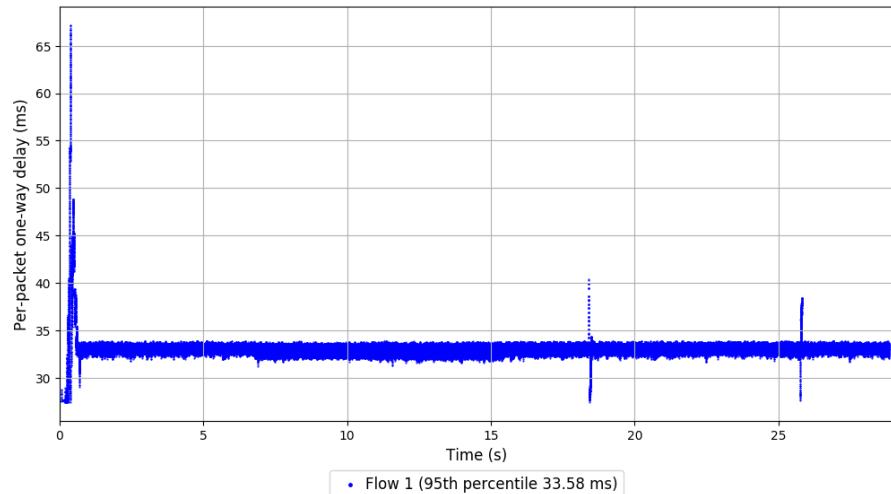
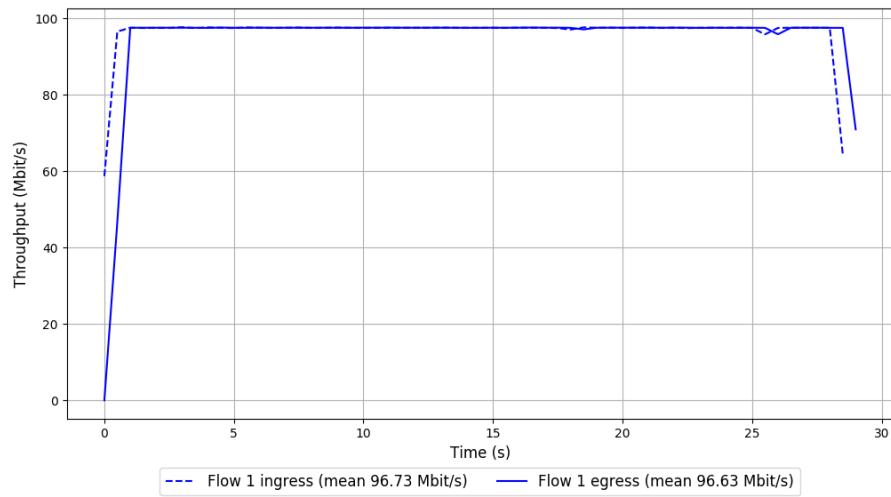


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 00:08:22
End at: 2019-11-24 00:08:52
Local clock offset: 6.429 ms
Remote clock offset: -4.503 ms

# Below is generated by plot.py at 2019-11-24 00:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 33.578 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 33.578 ms
Loss rate: 0.08%
```

Run 5: Report of Indigo-MusesT — Data Link

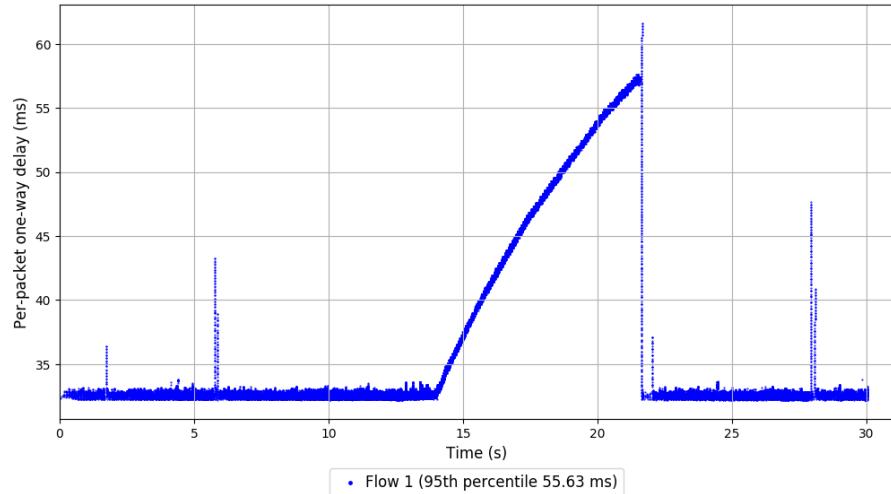
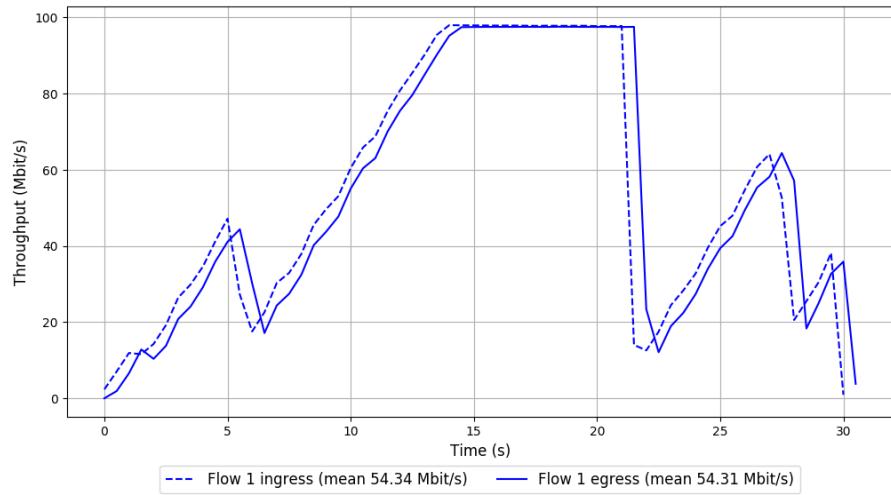


Run 1: Statistics of LEDBAT

```
Start at: 2019-11-23 22:24:26
End at: 2019-11-23 22:24:56
Local clock offset: -0.022 ms
Remote clock offset: -3.912 ms

# Below is generated by plot.py at 2019-11-24 00:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.31 Mbit/s
95th percentile per-packet one-way delay: 55.628 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 54.31 Mbit/s
95th percentile per-packet one-way delay: 55.628 ms
Loss rate: 0.04%
```

Run 1: Report of LEDBAT — Data Link

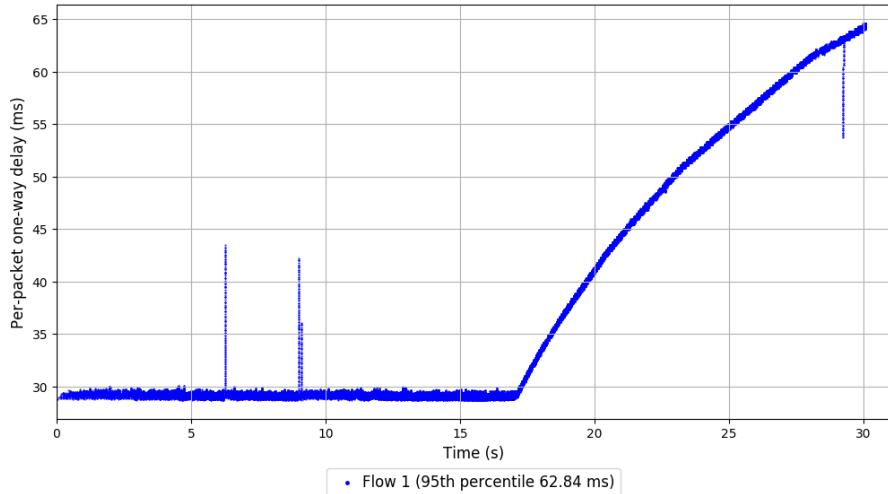
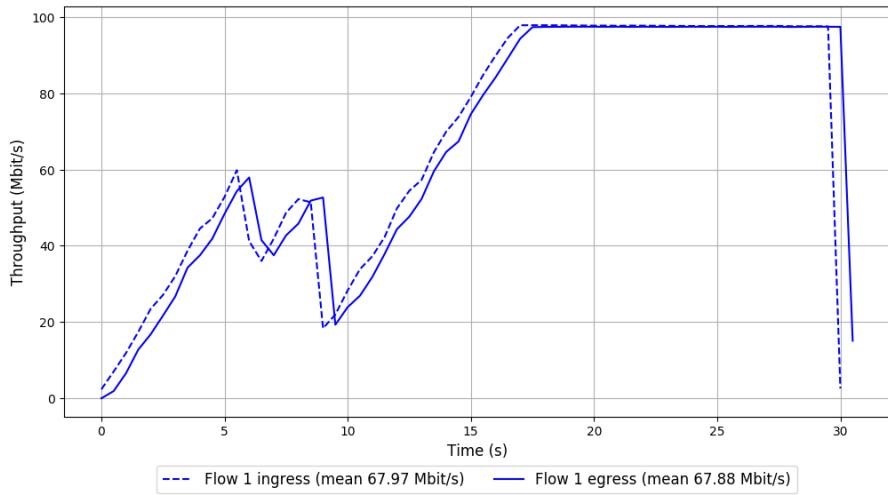


Run 2: Statistics of LEDBAT

```
Start at: 2019-11-23 22:51:59
End at: 2019-11-23 22:52:29
Local clock offset: 5.448 ms
Remote clock offset: -2.503 ms

# Below is generated by plot.py at 2019-11-24 00:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 62.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 62.837 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

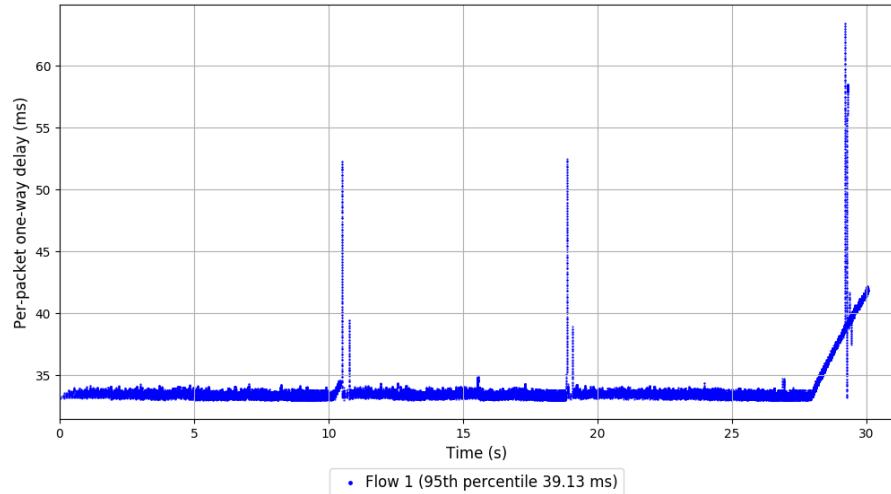
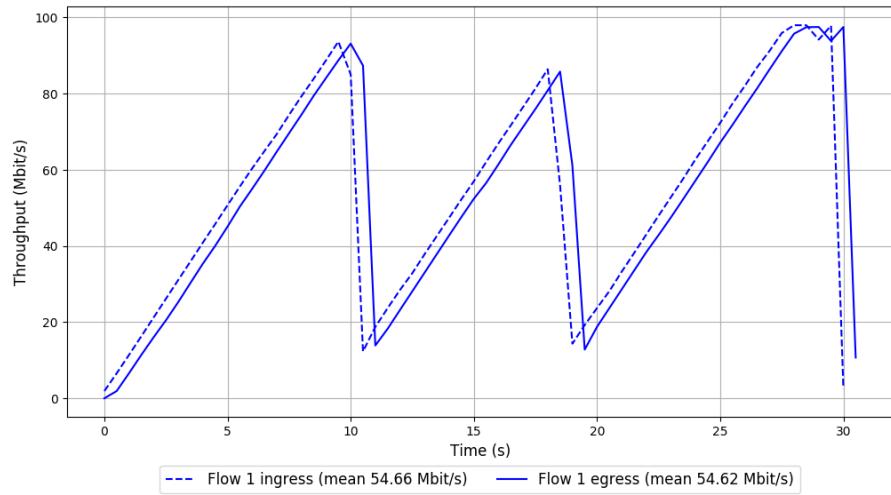


Run 3: Statistics of LEDBAT

```
Start at: 2019-11-23 23:19:15
End at: 2019-11-23 23:19:45
Local clock offset: 3.141 ms
Remote clock offset: -1.792 ms

# Below is generated by plot.py at 2019-11-24 00:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 39.133 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 39.133 ms
Loss rate: 0.04%
```

Run 3: Report of LEDBAT — Data Link

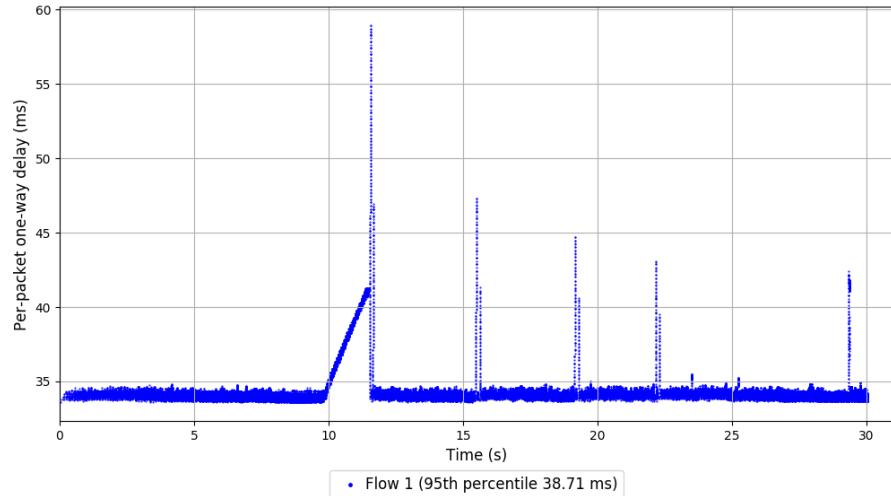
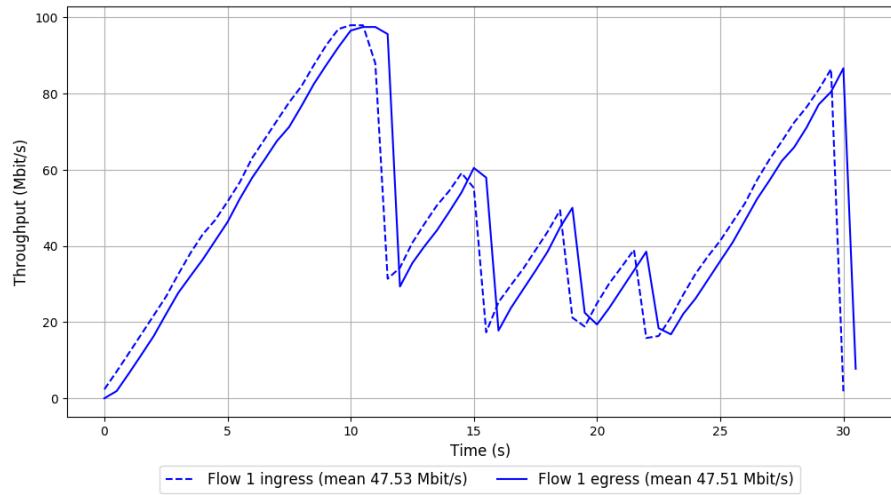


Run 4: Statistics of LEDBAT

```
Start at: 2019-11-23 23:46:39
End at: 2019-11-23 23:47:10
Local clock offset: 0.313 ms
Remote clock offset: -4.162 ms

# Below is generated by plot.py at 2019-11-24 00:38:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 38.711 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 38.711 ms
Loss rate: 0.04%
```

Run 4: Report of LEDBAT — Data Link

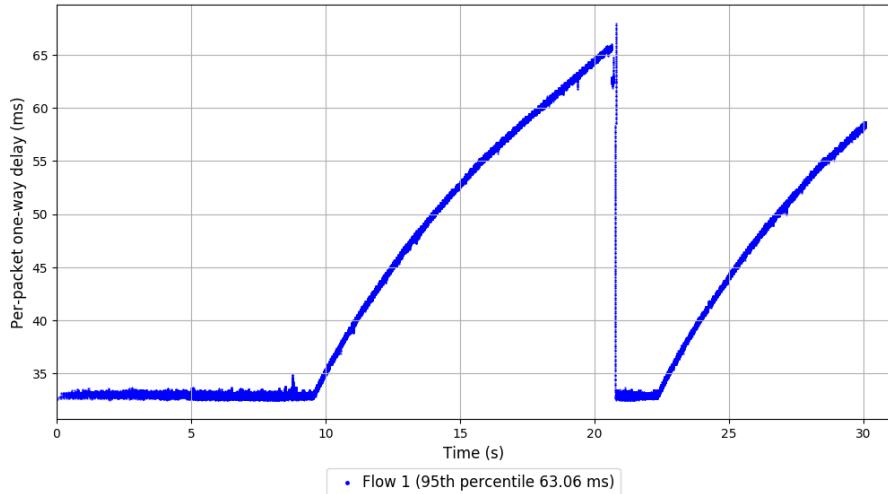
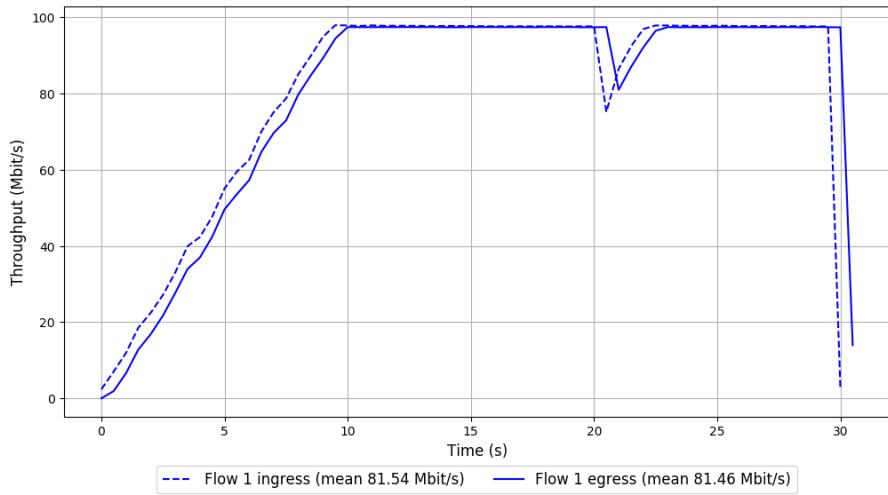


Run 5: Statistics of LEDBAT

```
Start at: 2019-11-24 00:14:16
End at: 2019-11-24 00:14:46
Local clock offset: 1.154 ms
Remote clock offset: -4.396 ms

# Below is generated by plot.py at 2019-11-24 00:39:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 63.064 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 63.064 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

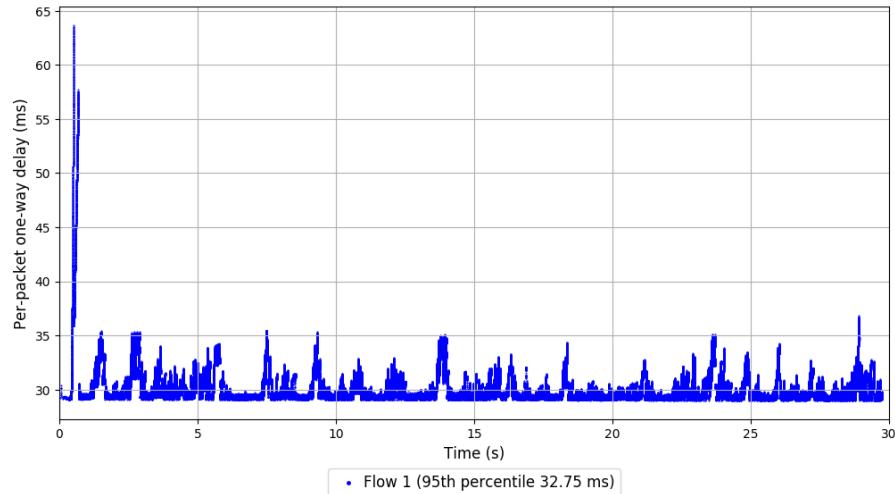
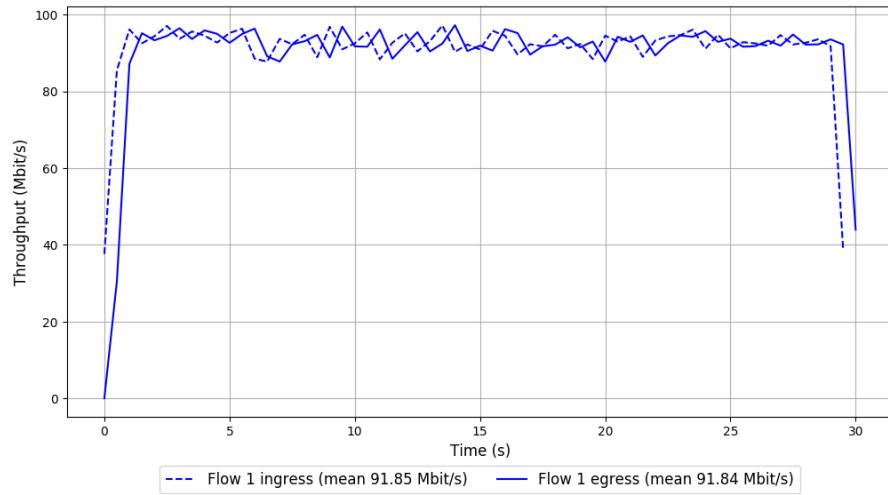


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-11-23 22:20:59
End at: 2019-11-23 22:21:29
Local clock offset: 4.367 ms
Remote clock offset: -4.001 ms

# Below is generated by plot.py at 2019-11-24 00:39:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 32.747 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 32.747 ms
Loss rate: 0.01%
```

Run 1: Report of Muses_DecisionTree — Data Link

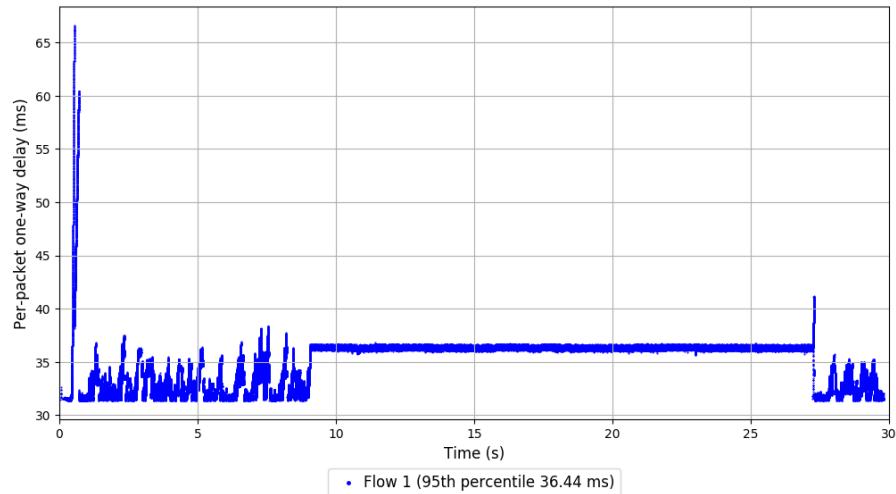
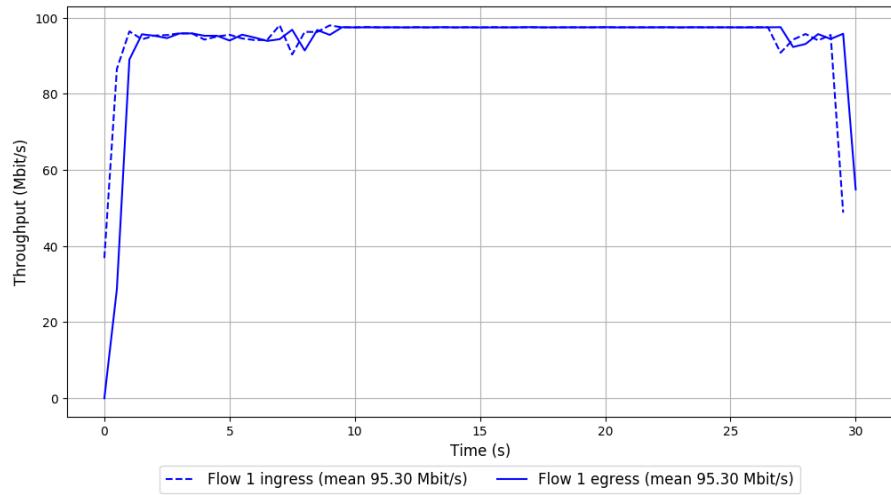


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-11-23 22:48:31
End at: 2019-11-23 22:49:01
Local clock offset: 3.708 ms
Remote clock offset: -2.934 ms

# Below is generated by plot.py at 2019-11-24 00:39:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 36.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 36.444 ms
Loss rate: 0.00%
```

Run 2: Report of Muses_DecisionTree — Data Link

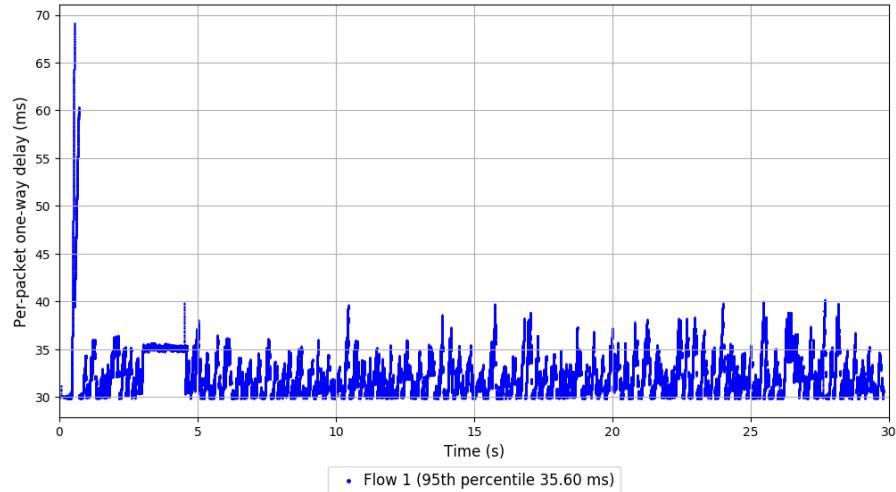
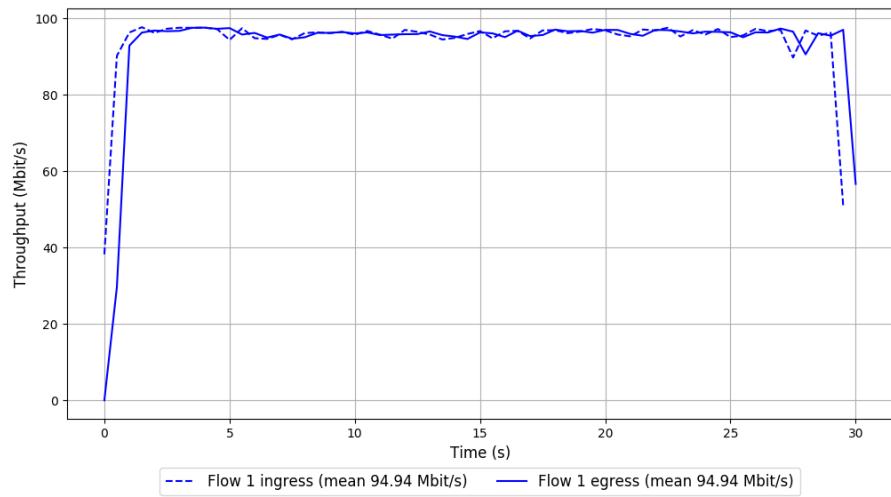


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-11-23 23:15:50
End at: 2019-11-23 23:16:20
Local clock offset: 3.996 ms
Remote clock offset: -3.467 ms

# Below is generated by plot.py at 2019-11-24 00:39:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 35.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 35.602 ms
Loss rate: 0.00%
```

Run 3: Report of Muses_DecisionTree — Data Link

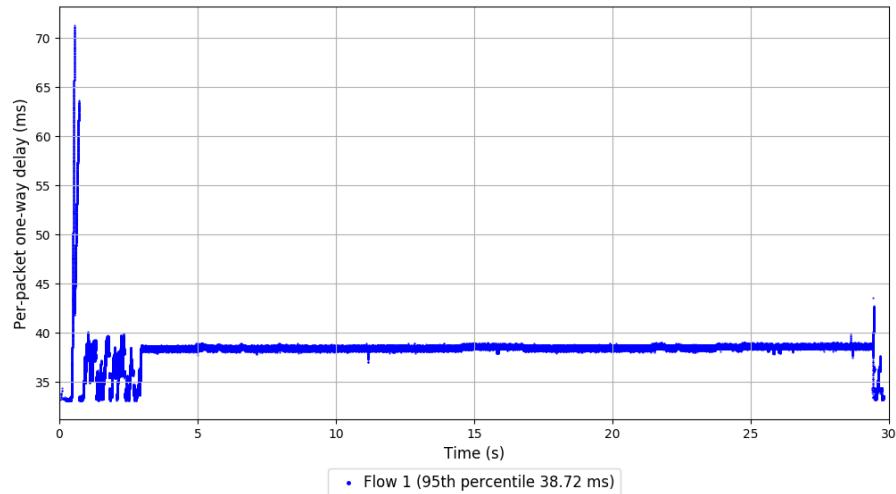
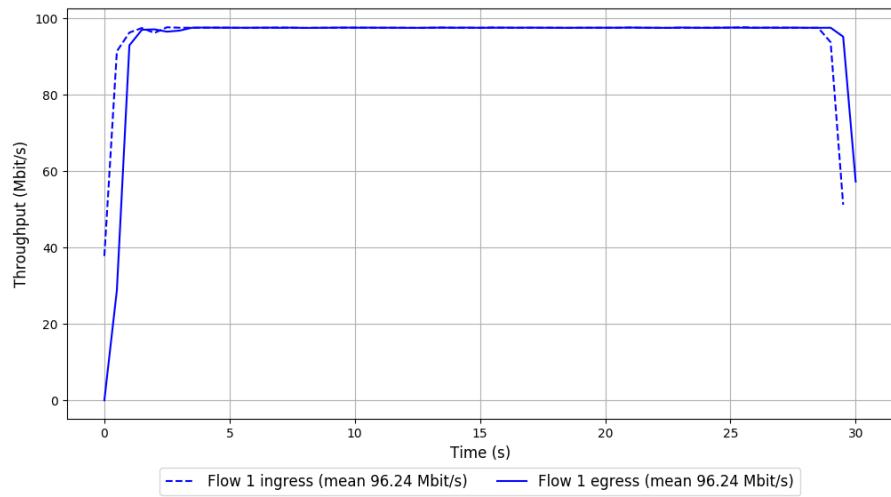


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-11-23 23:43:14
End at: 2019-11-23 23:43:44
Local clock offset: 0.652 ms
Remote clock offset: -3.917 ms

# Below is generated by plot.py at 2019-11-24 00:39:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 38.720 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 38.720 ms
Loss rate: 0.01%
```

Run 4: Report of Muses_DecisionTree — Data Link

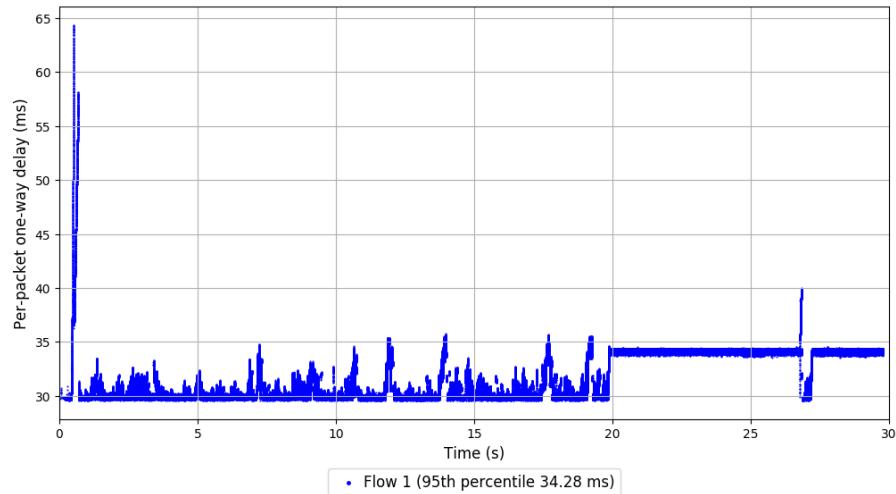
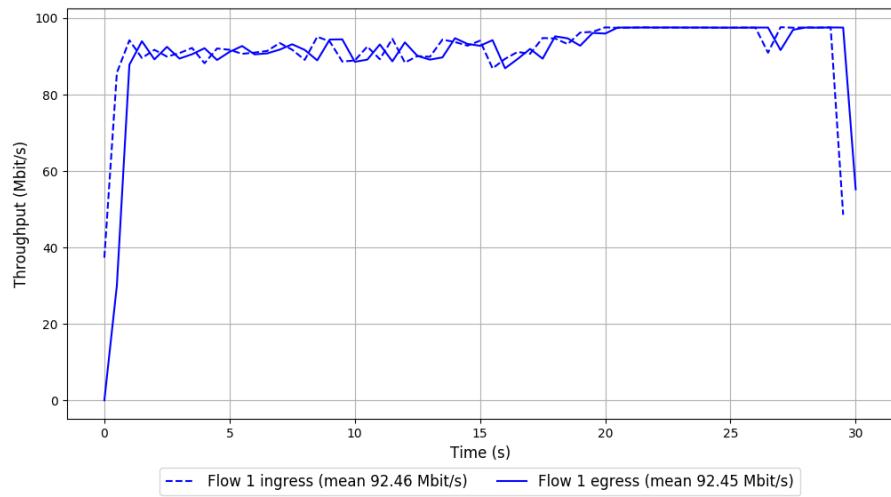


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 00:10:46
End at: 2019-11-24 00:11:16
Local clock offset: 6.317 ms
Remote clock offset: -3.073 ms

# Below is generated by plot.py at 2019-11-24 00:39:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 34.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 34.280 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTree — Data Link

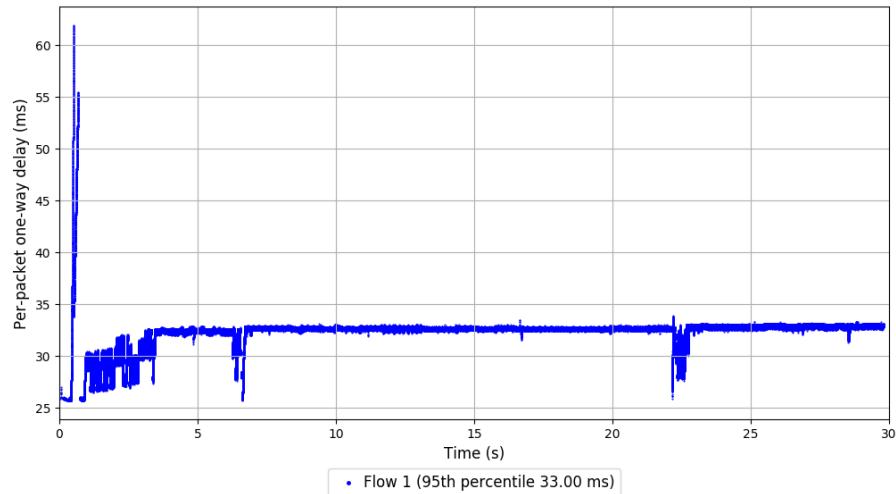
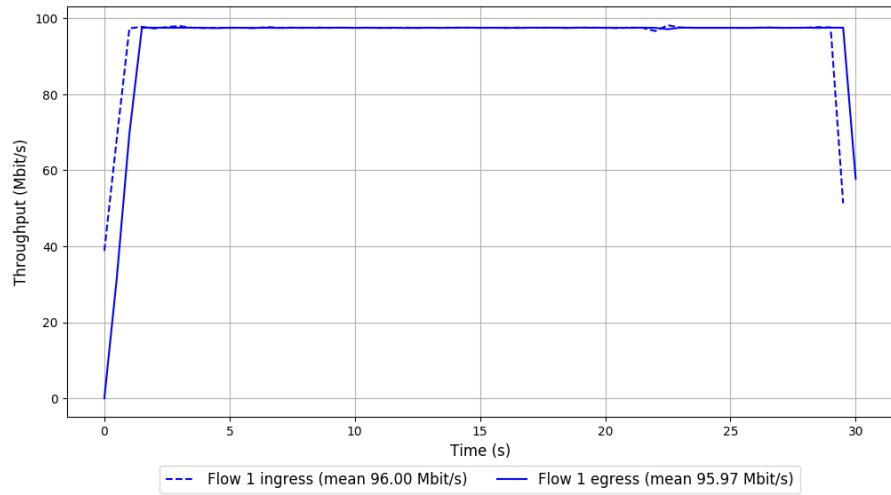


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-23 22:30:14
End at: 2019-11-23 22:30:44
Local clock offset: 4.714 ms
Remote clock offset: -5.467 ms

# Below is generated by plot.py at 2019-11-24 00:39:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 32.996 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 32.996 ms
Loss rate: 0.01%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

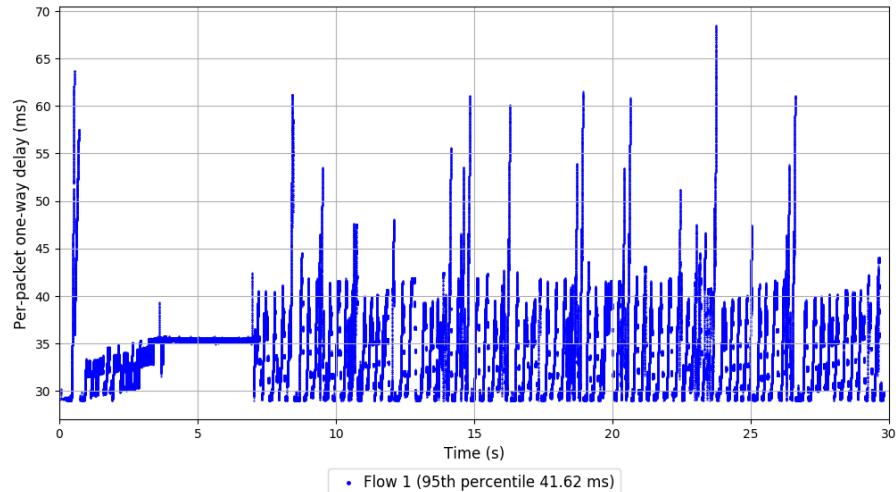
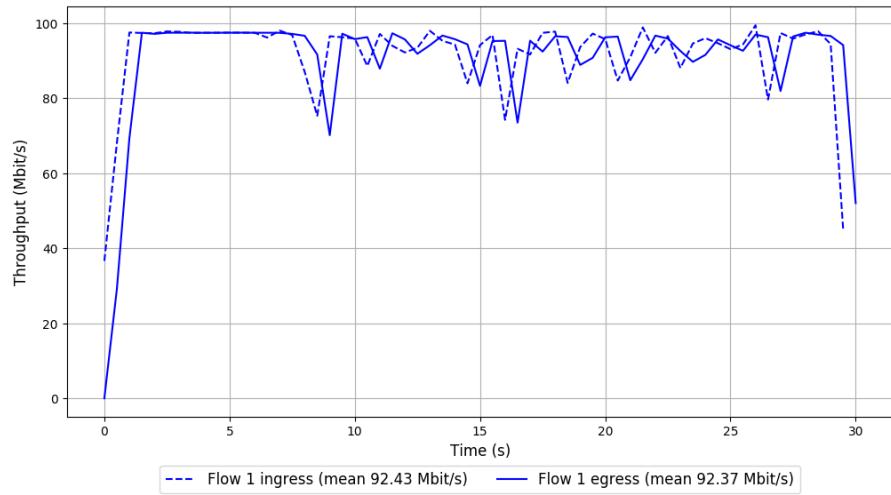


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-23 22:57:42
End at: 2019-11-23 22:58:12
Local clock offset: 4.809 ms
Remote clock offset: -4.457 ms

# Below is generated by plot.py at 2019-11-24 00:39:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 41.624 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 41.624 ms
Loss rate: 0.06%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

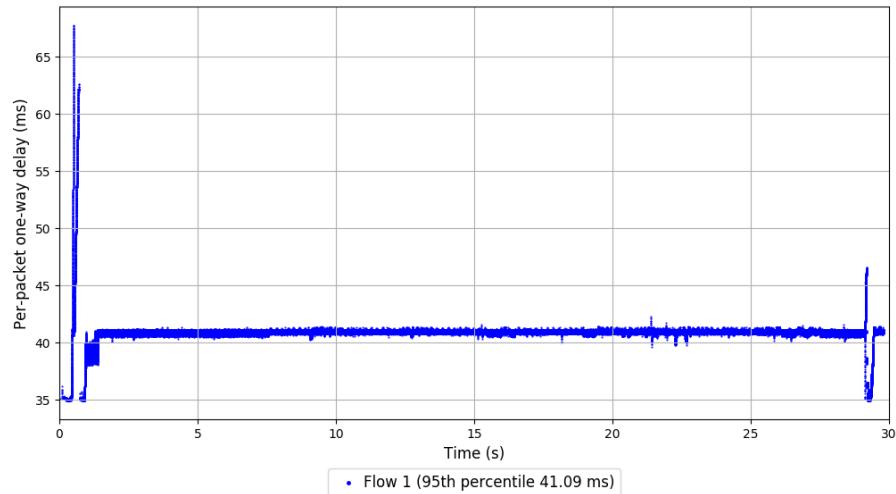
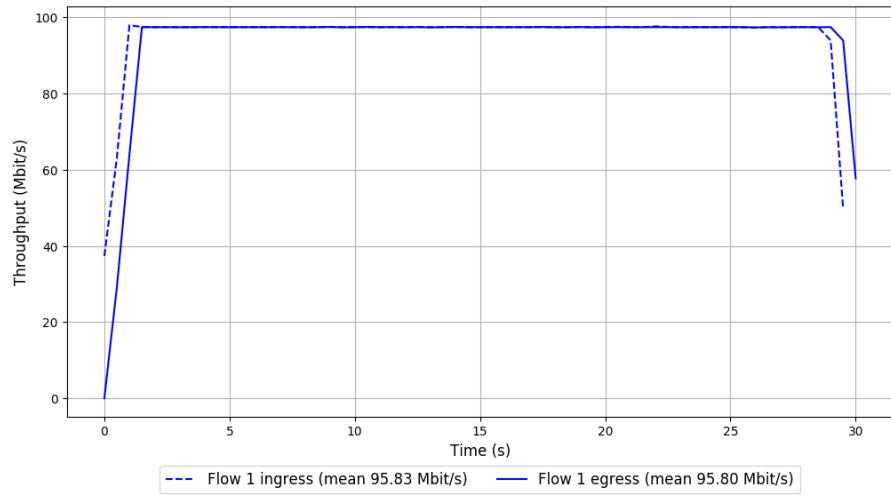


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-23 23:24:58
End at: 2019-11-23 23:25:28
Local clock offset: -0.829 ms
Remote clock offset: -3.057 ms

# Below is generated by plot.py at 2019-11-24 00:40:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 41.091 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 41.091 ms
Loss rate: 0.01%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

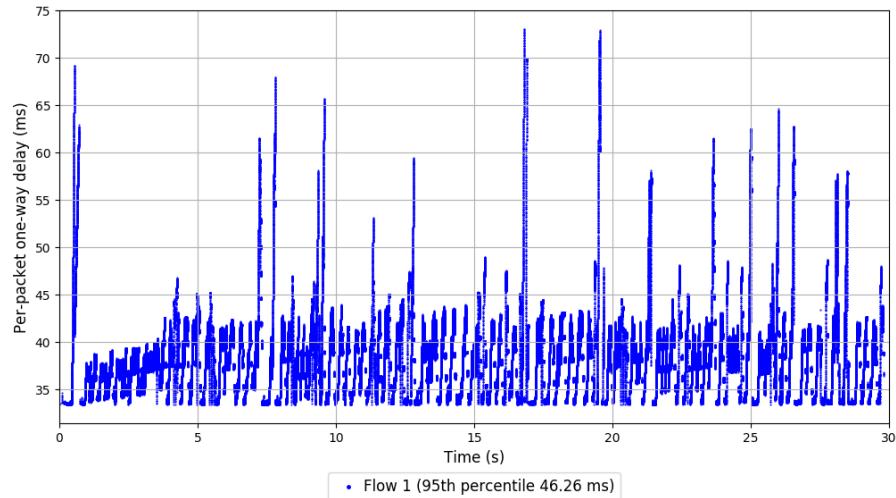
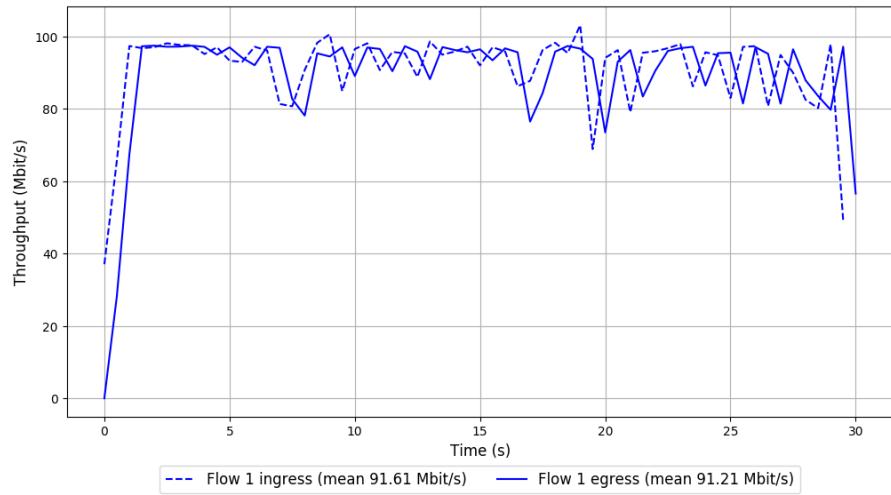


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-23 23:52:24
End at: 2019-11-23 23:52:54
Local clock offset: 1.256 ms
Remote clock offset: -4.714 ms

# Below is generated by plot.py at 2019-11-24 00:40:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 46.255 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 46.255 ms
Loss rate: 0.43%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

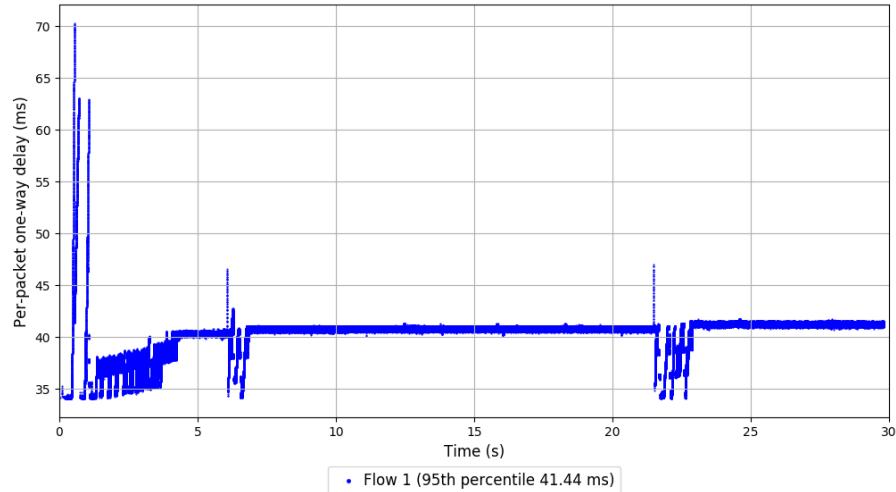
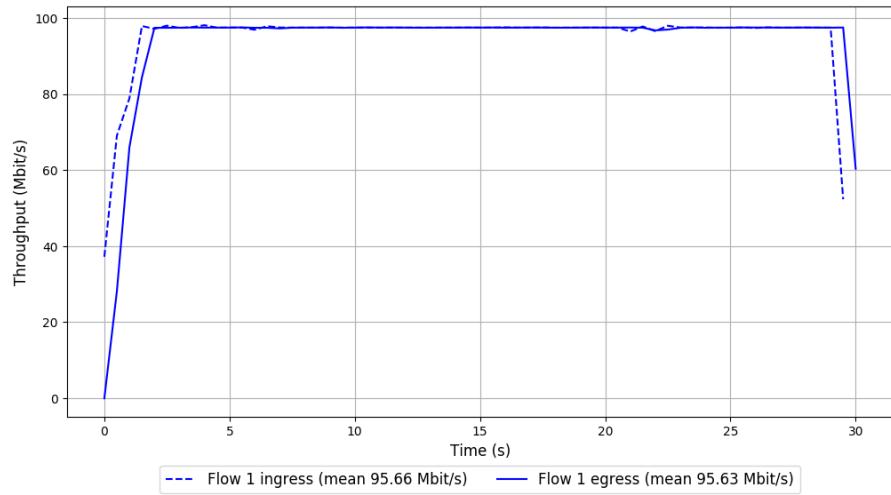


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 00:20:15
End at: 2019-11-24 00:20:45
Local clock offset: 2.982 ms
Remote clock offset: -2.335 ms

# Below is generated by plot.py at 2019-11-24 00:40:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 41.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 41.439 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

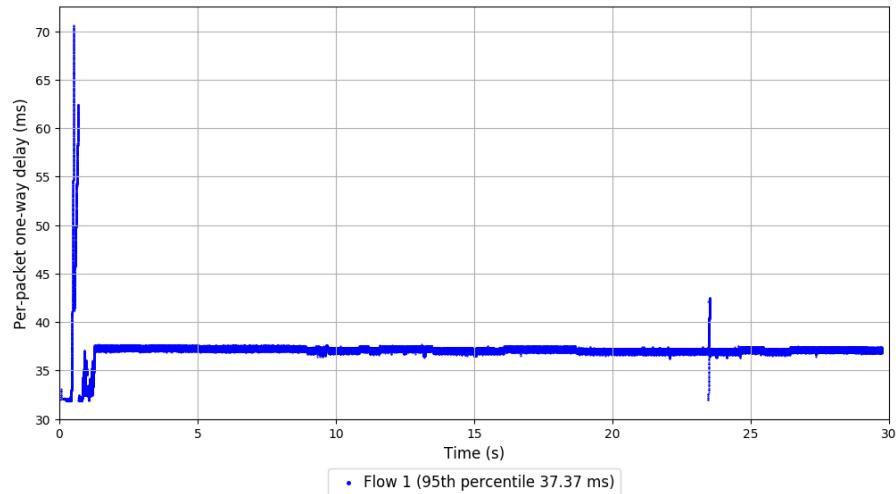
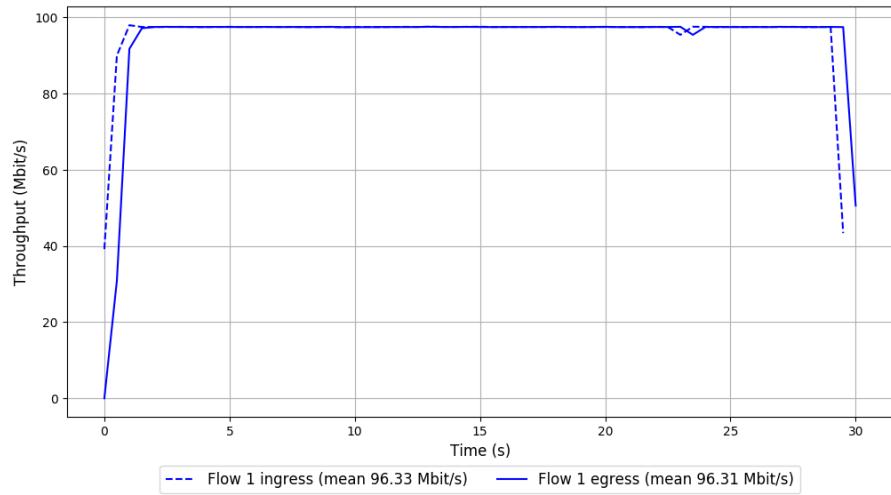


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-23 22:19:50
End at: 2019-11-23 22:20:20
Local clock offset: 1.619 ms
Remote clock offset: -3.606 ms

# Below is generated by plot.py at 2019-11-24 00:40:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 37.369 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 37.369 ms
Loss rate: 0.01%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

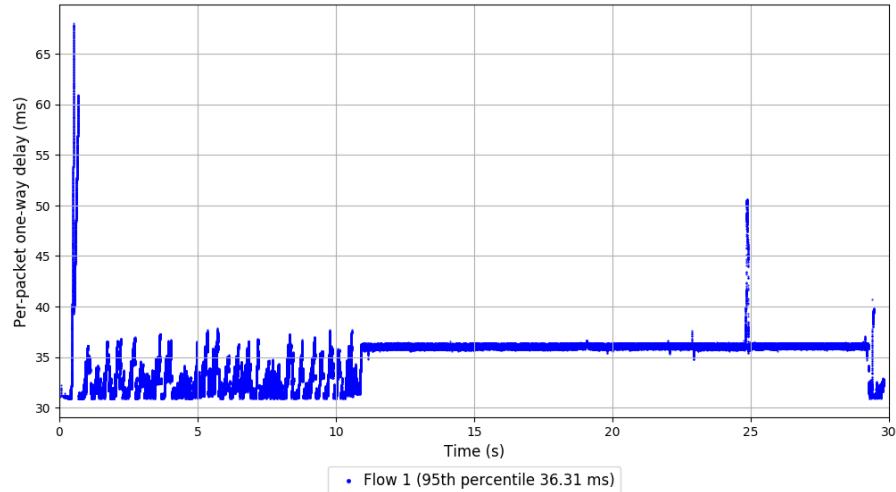
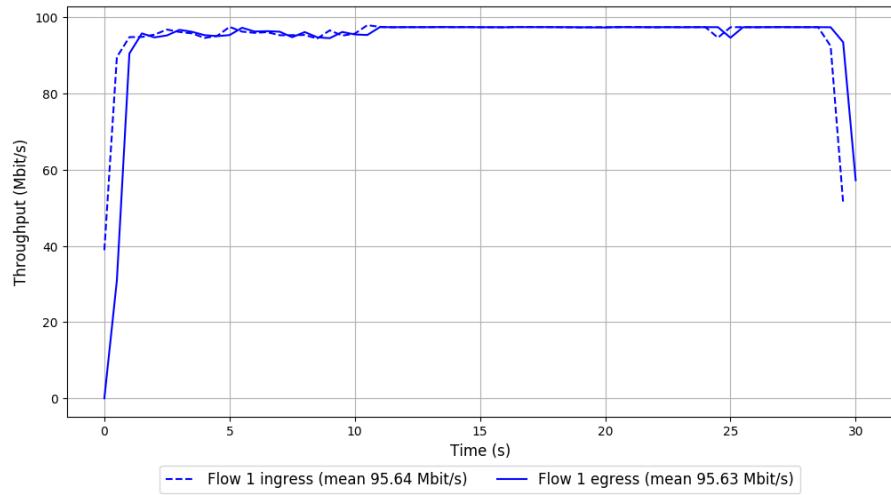


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-23 22:47:21
End at: 2019-11-23 22:47:51
Local clock offset: 2.654 ms
Remote clock offset: -2.837 ms

# Below is generated by plot.py at 2019-11-24 00:40:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 36.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 36.307 ms
Loss rate: 0.00%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

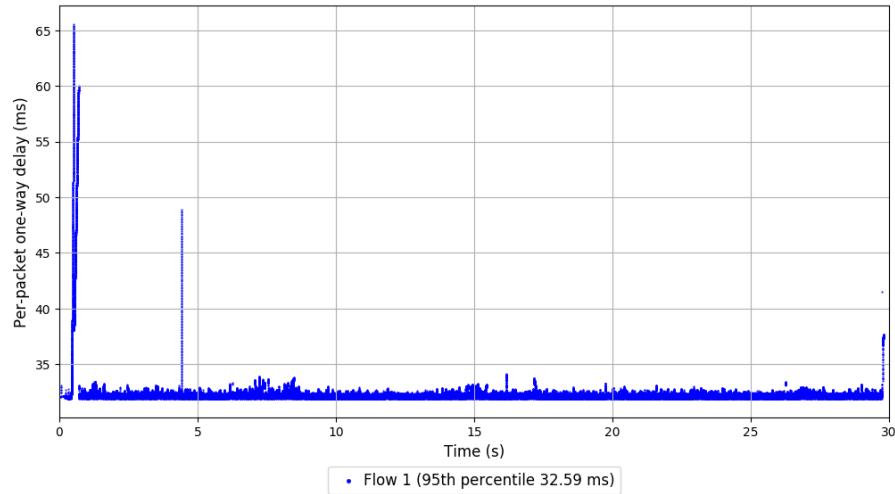
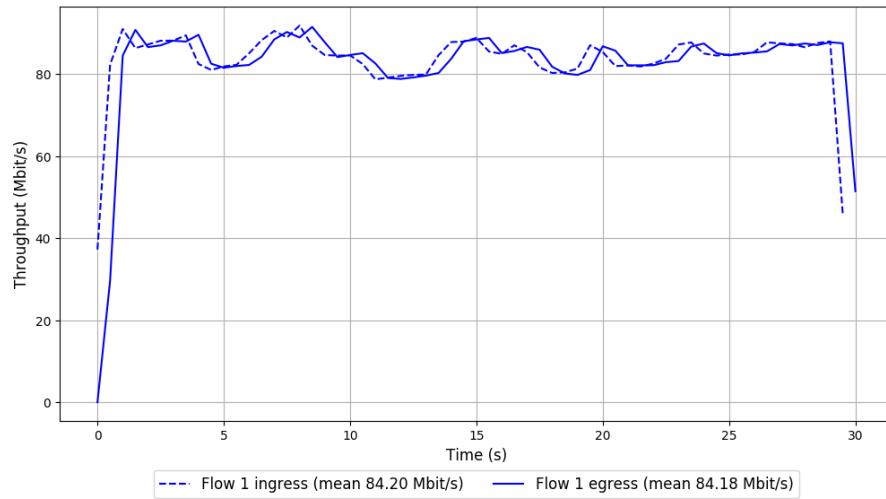


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-23 23:14:41
End at: 2019-11-23 23:15:11
Local clock offset: 0.839 ms
Remote clock offset: -4.492 ms

# Below is generated by plot.py at 2019-11-24 00:40:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 32.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 32.591 ms
Loss rate: 0.00%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

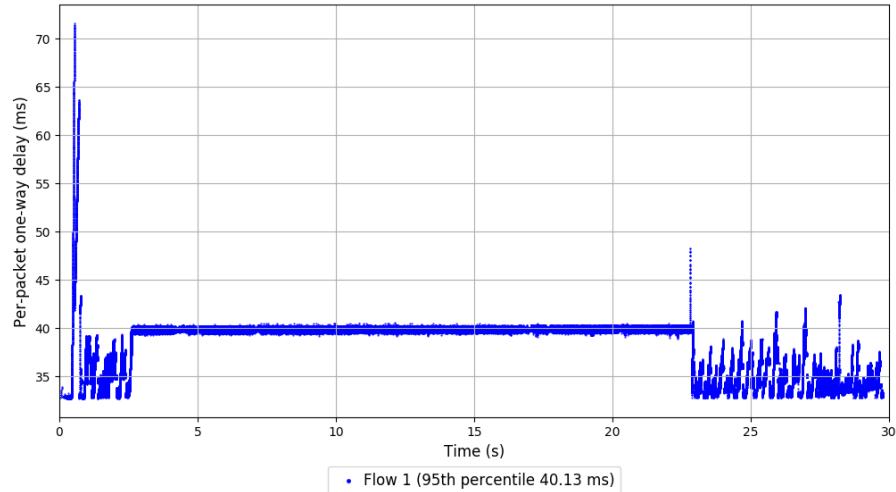
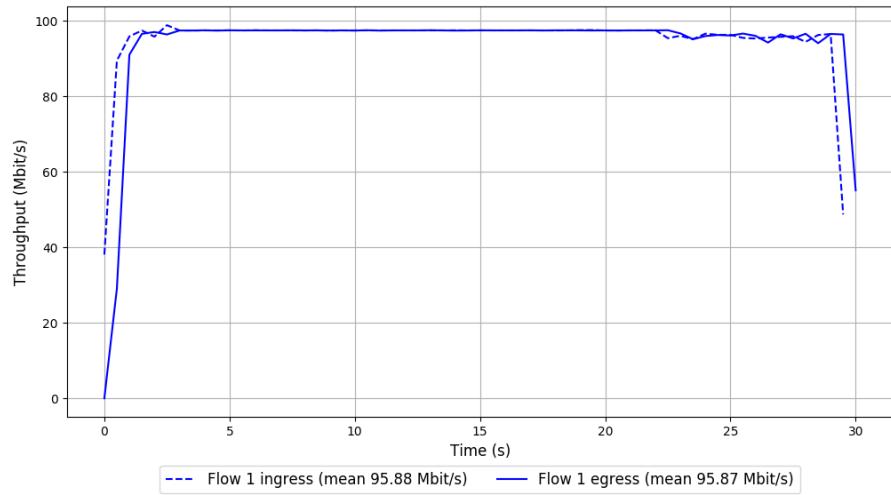


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-23 23:42:04
End at: 2019-11-23 23:42:34
Local clock offset: 0.134 ms
Remote clock offset: -4.625 ms

# Below is generated by plot.py at 2019-11-24 00:41:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 40.130 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 40.130 ms
Loss rate: 0.01%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

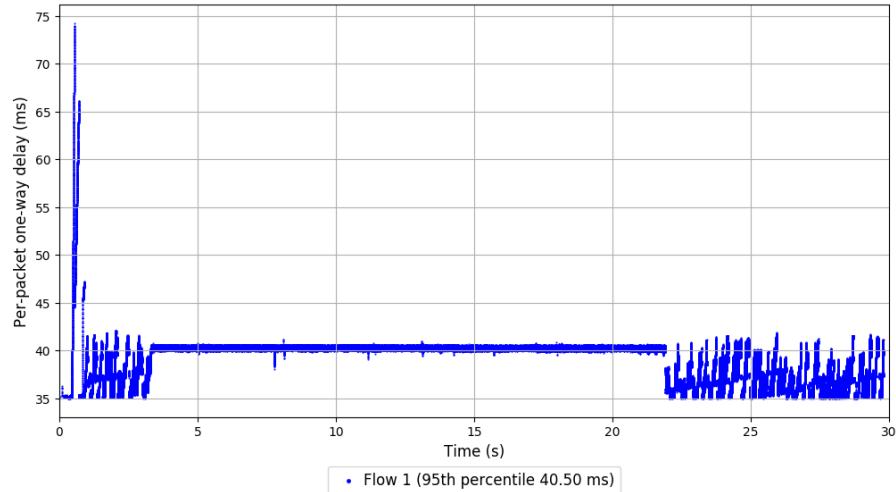
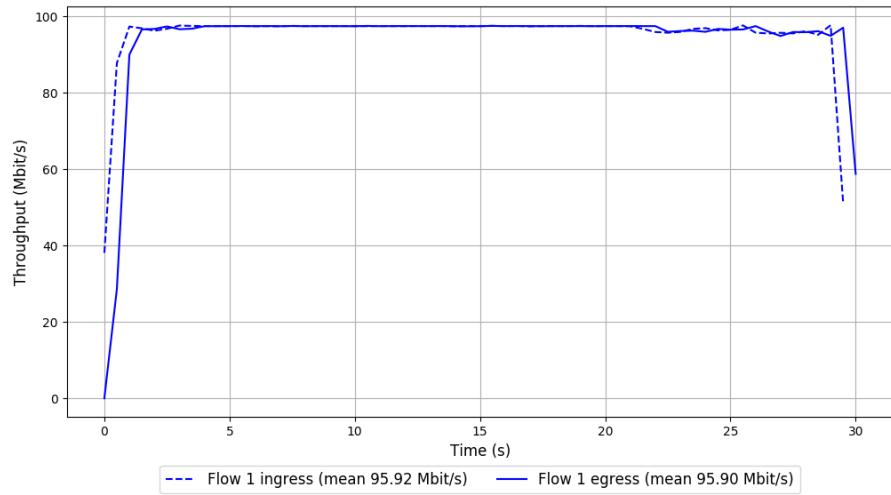


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 00:09:34
End at: 2019-11-24 00:10:04
Local clock offset: 1.714 ms
Remote clock offset: -2.513 ms

# Below is generated by plot.py at 2019-11-24 00:41:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 40.504 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 40.504 ms
Loss rate: 0.01%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

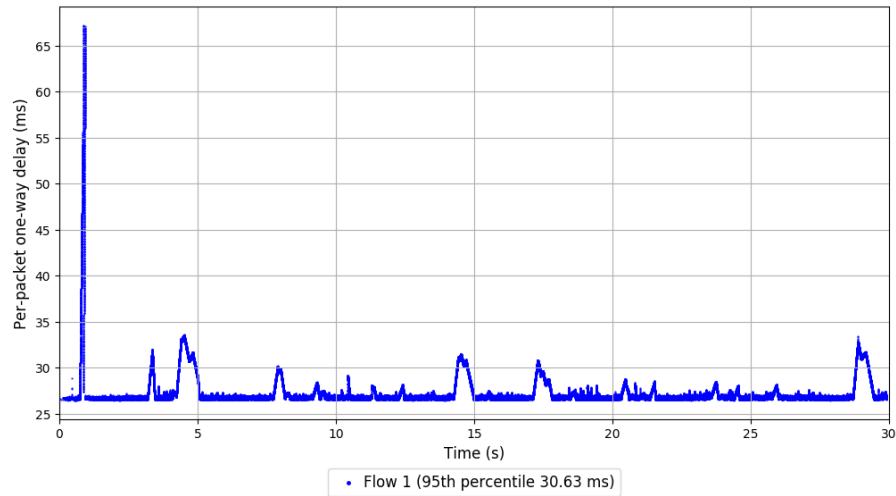
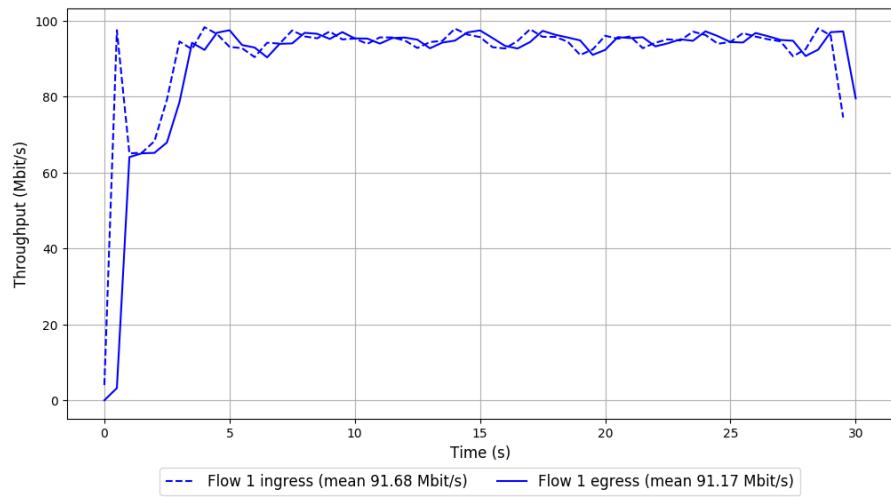


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-11-23 22:27:52
End at: 2019-11-23 22:28:22
Local clock offset: 4.894 ms
Remote clock offset: -4.527 ms

# Below is generated by plot.py at 2019-11-24 00:41:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: 30.632 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: 30.632 ms
Loss rate: 0.56%
```

Run 1: Report of PCC-Allegro — Data Link

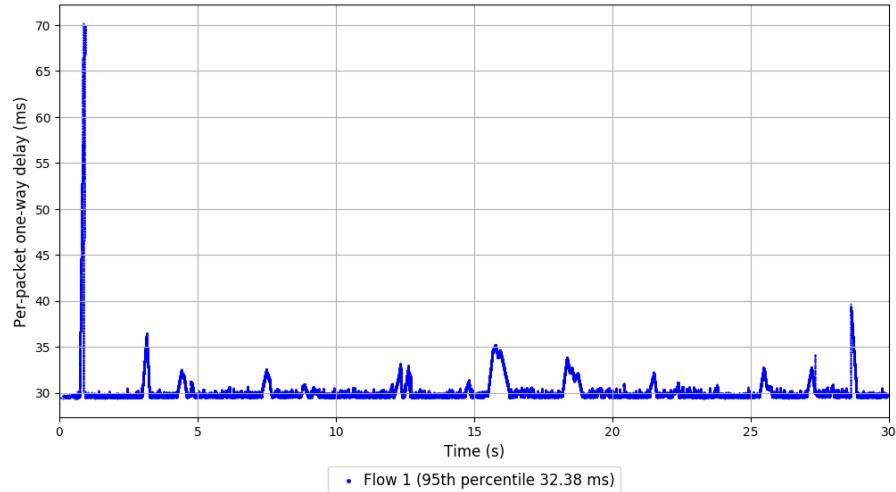
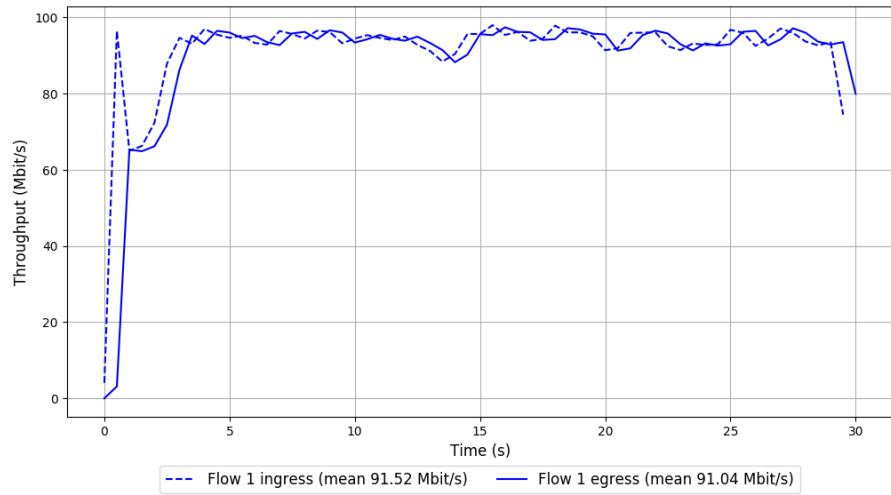


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-11-23 22:55:25
End at: 2019-11-23 22:55:55
Local clock offset: 4.105 ms
Remote clock offset: -3.049 ms

# Below is generated by plot.py at 2019-11-24 00:41:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 32.375 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 32.375 ms
Loss rate: 0.52%
```

Run 2: Report of PCC-Allegro — Data Link

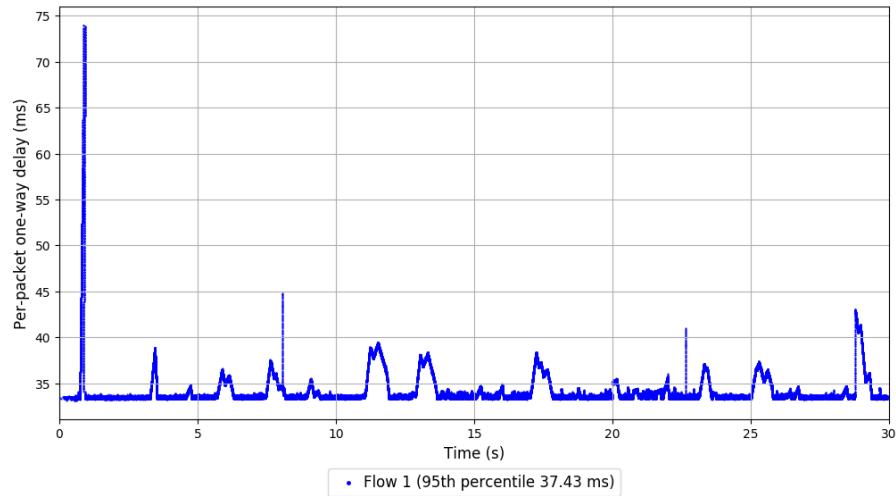
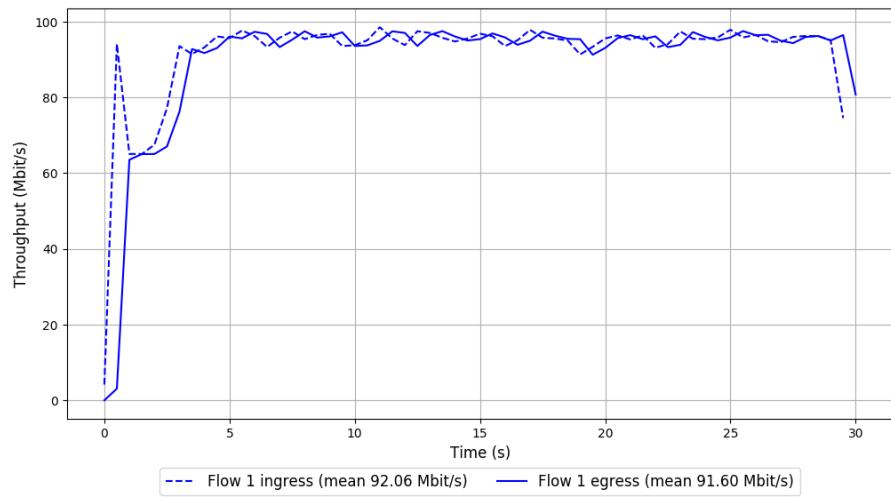


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-11-23 23:22:41
End at: 2019-11-23 23:23:11
Local clock offset: 0.24 ms
Remote clock offset: -4.376 ms

# Below is generated by plot.py at 2019-11-24 00:41:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 37.429 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 37.429 ms
Loss rate: 0.50%
```

Run 3: Report of PCC-Allegro — Data Link

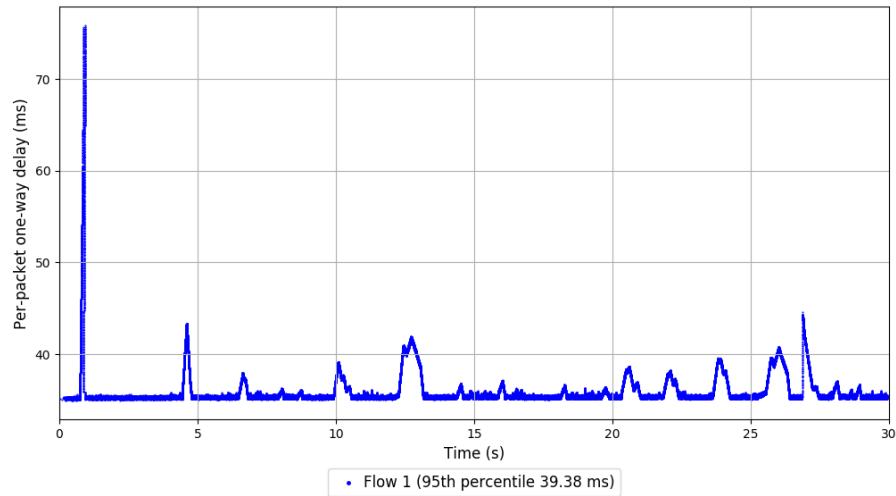
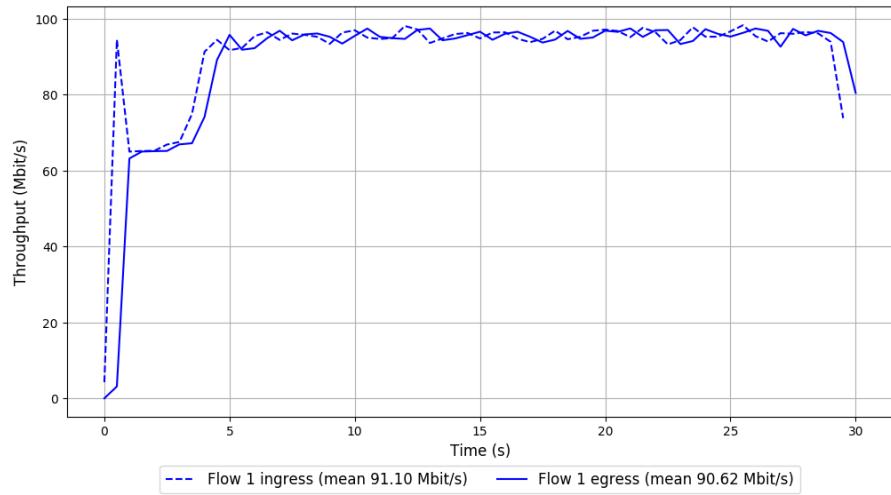


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-11-23 23:50:07
End at: 2019-11-23 23:50:37
Local clock offset: 1.806 ms
Remote clock offset: -3.13 ms

# Below is generated by plot.py at 2019-11-24 00:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 39.383 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 39.383 ms
Loss rate: 0.52%
```

Run 4: Report of PCC-Allegro — Data Link

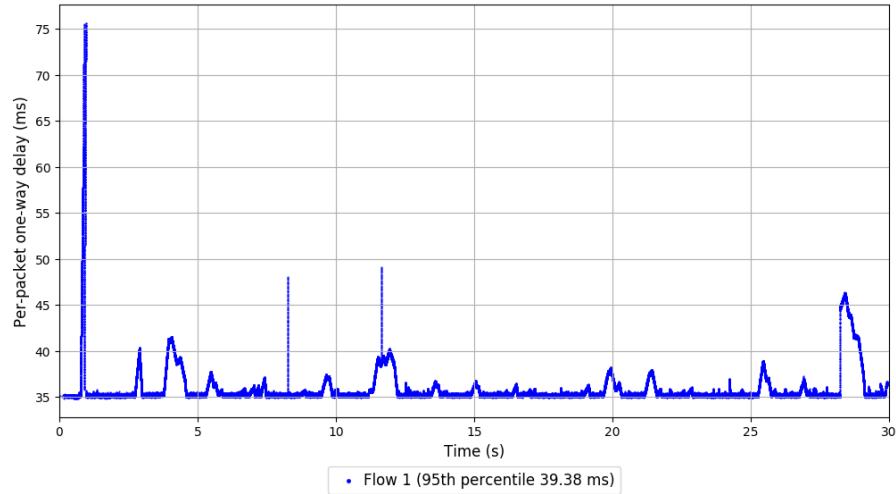
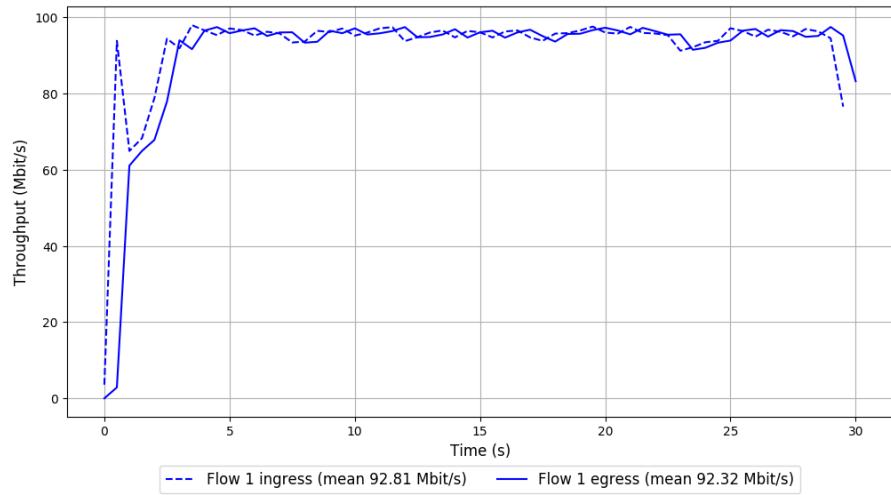


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-11-24 00:17:54
End at: 2019-11-24 00:18:24
Local clock offset: 3.075 ms
Remote clock offset: -2.264 ms

# Below is generated by plot.py at 2019-11-24 00:41:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 39.378 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 39.378 ms
Loss rate: 0.52%
```

Run 5: Report of PCC-Allegro — Data Link

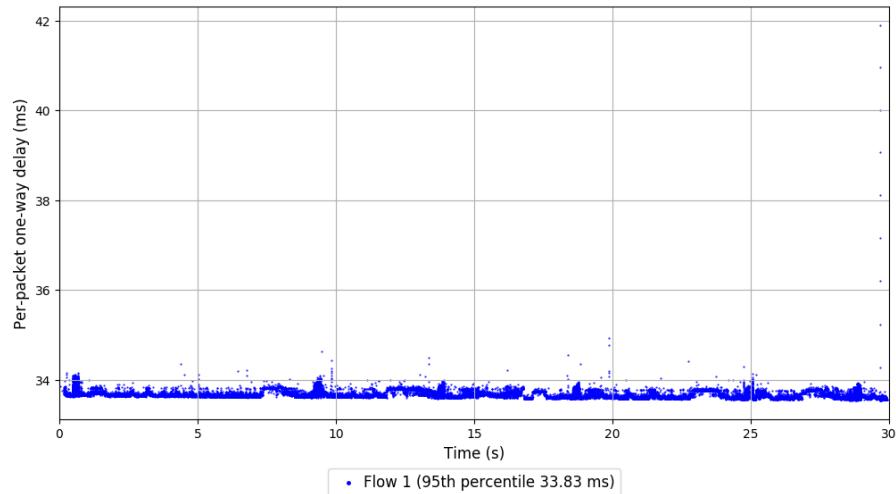
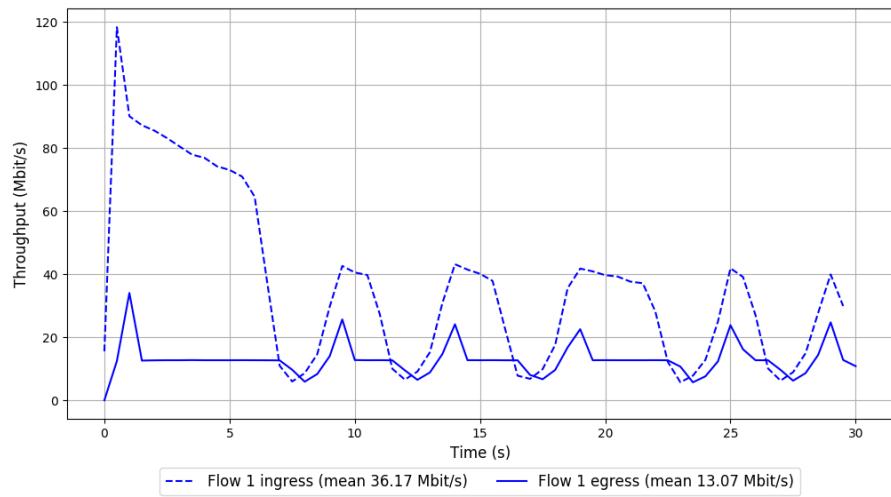


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-11-23 22:22:11
End at: 2019-11-23 22:22:41
Local clock offset: 4.209 ms
Remote clock offset: -0.927 ms

# Below is generated by plot.py at 2019-11-24 00:41:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 33.826 ms
Loss rate: 63.86%
-- Flow 1:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 33.826 ms
Loss rate: 63.86%
```

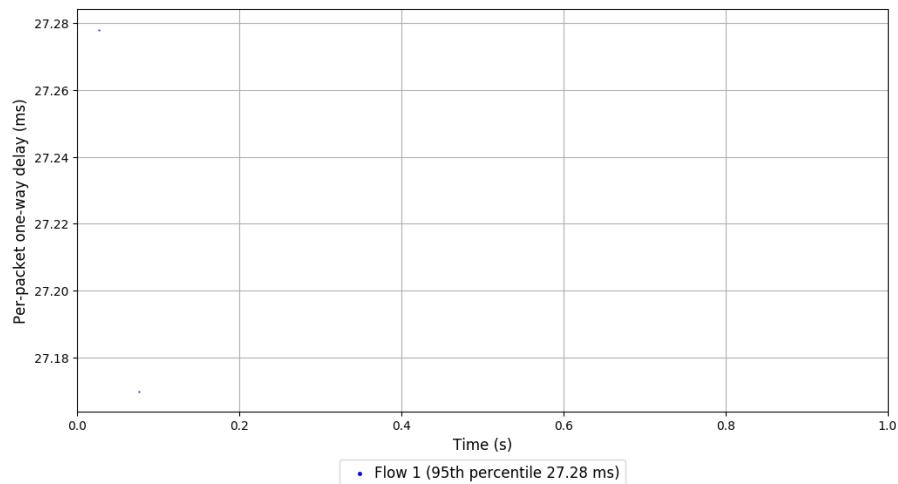
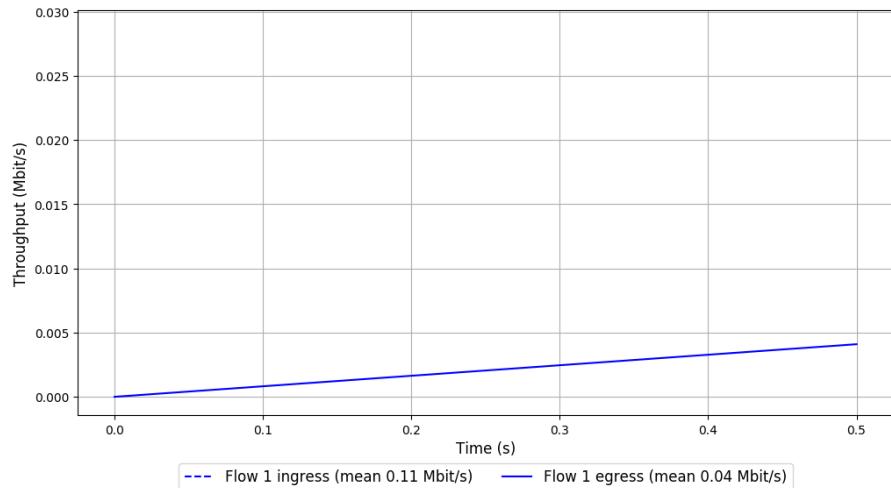
Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-11-23 22:49:40
End at: 2019-11-23 22:50:10
Local clock offset: 5.815 ms
Remote clock offset: -4.286 ms

Run 2: Report of PCC-Expr — Data Link

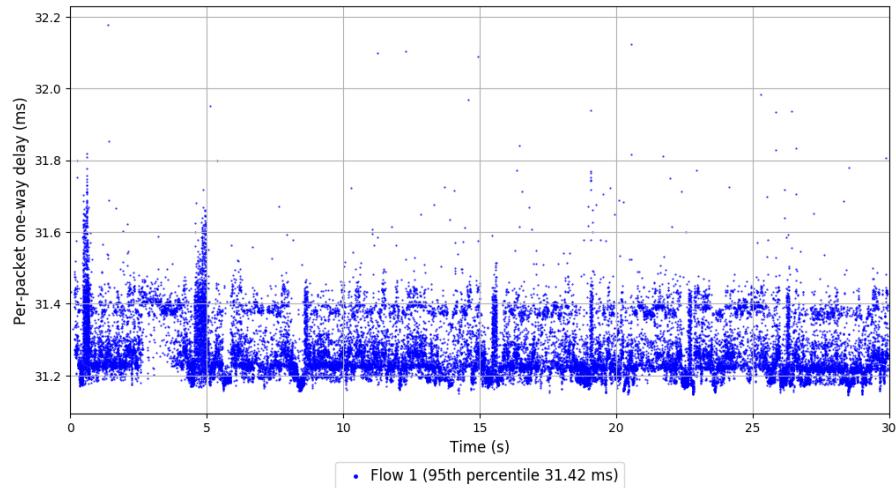
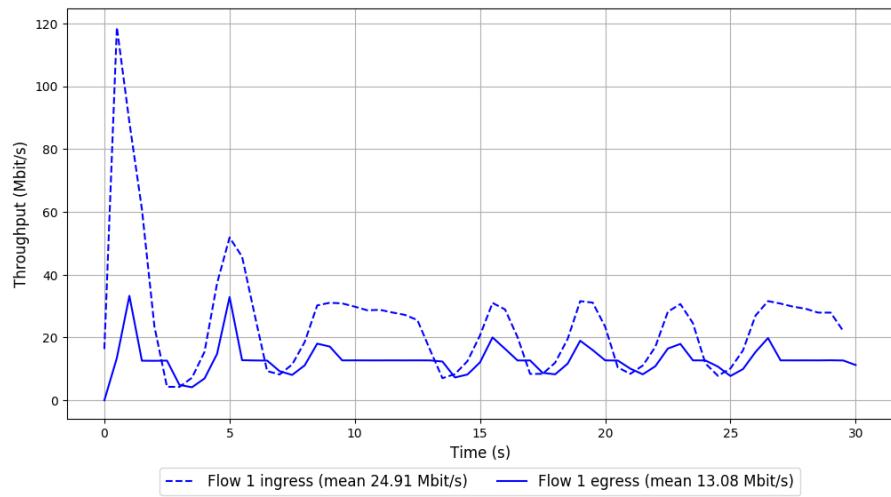


Run 3: Statistics of PCC-Expr

```
Start at: 2019-11-23 23:16:59
End at: 2019-11-23 23:17:29
Local clock offset: 3.536 ms
Remote clock offset: -4.042 ms

# Below is generated by plot.py at 2019-11-24 00:41:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 31.423 ms
Loss rate: 47.49%
-- Flow 1:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 31.423 ms
Loss rate: 47.49%
```

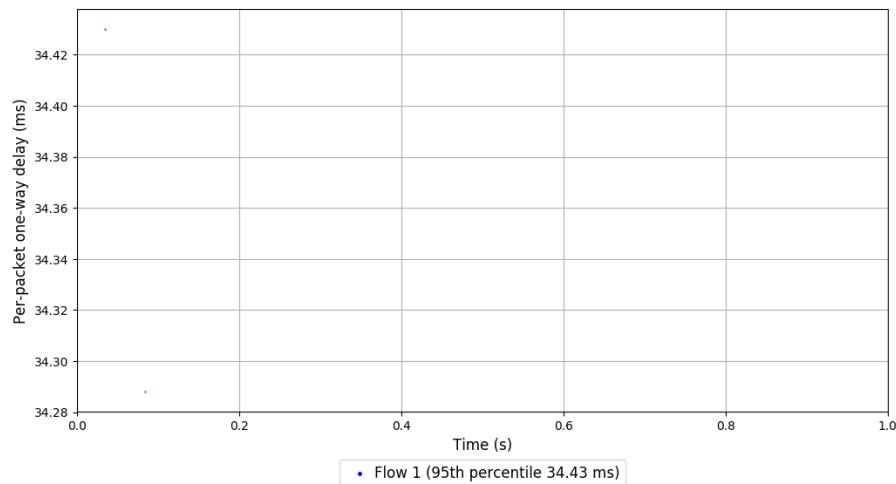
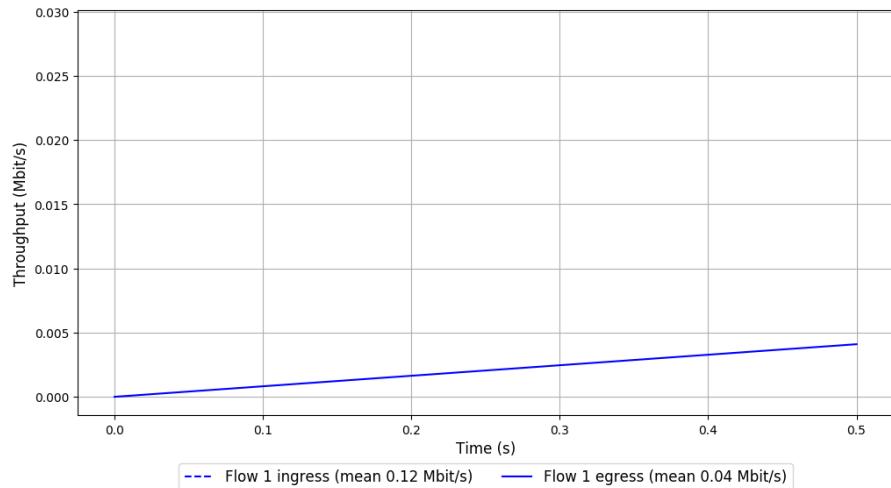
Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-11-23 23:44:25
End at: 2019-11-23 23:44:55
Local clock offset: 0.523 ms
Remote clock offset: -2.878 ms

Run 4: Report of PCC-Expr — Data Link

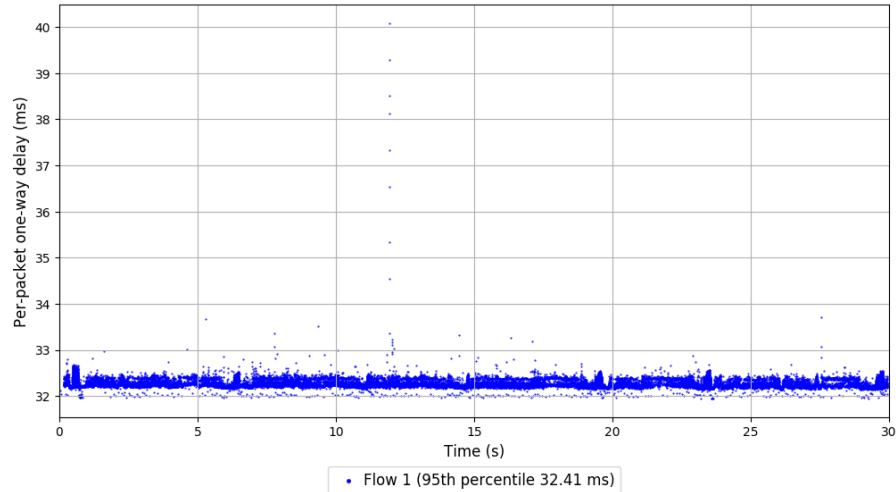
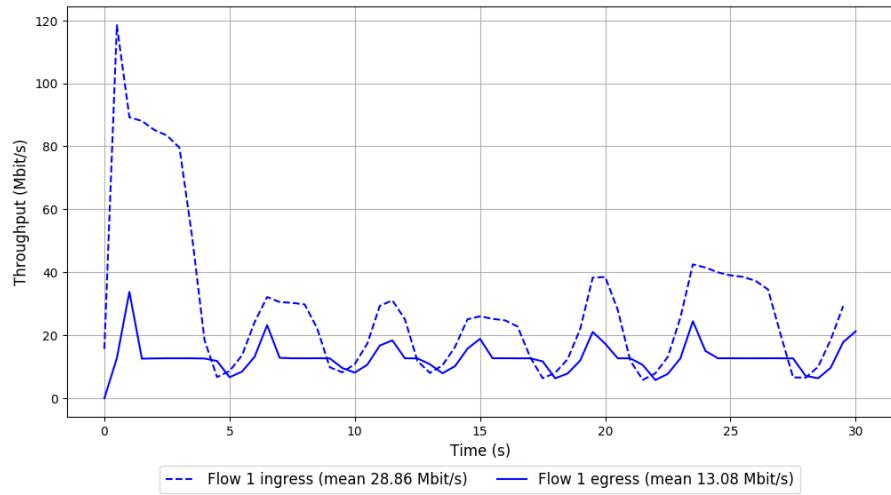


Run 5: Statistics of PCC-Expr

```
Start at: 2019-11-24 00:11:56
End at: 2019-11-24 00:12:26
Local clock offset: 5.975 ms
Remote clock offset: -2.469 ms

# Below is generated by plot.py at 2019-11-24 00:41:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 32.413 ms
Loss rate: 54.69%
-- Flow 1:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 32.413 ms
Loss rate: 54.69%
```

Run 5: Report of PCC-Expr — Data Link

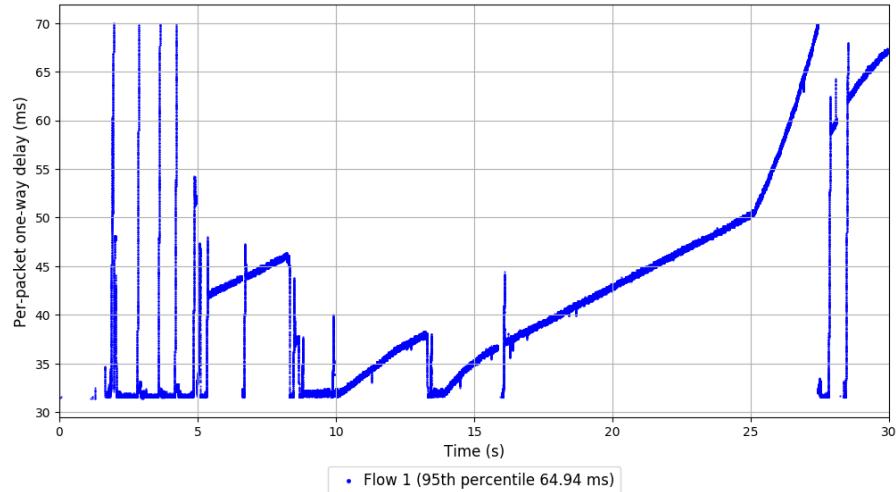
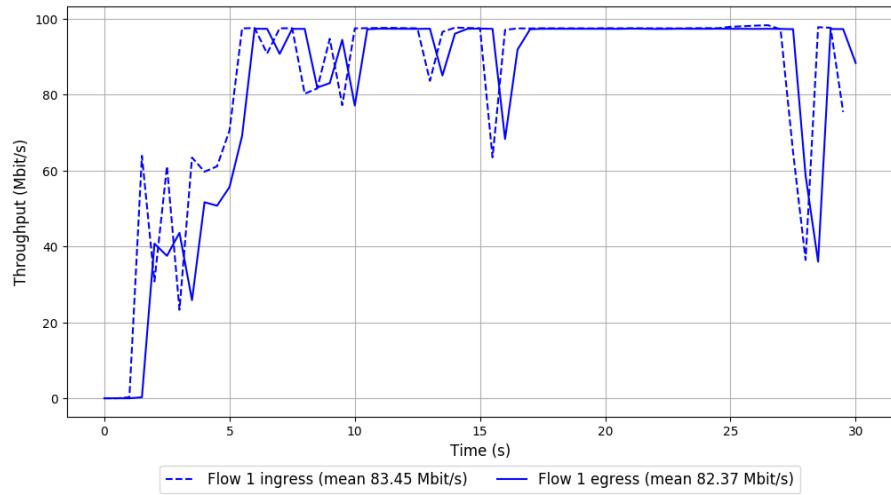


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-11-23 22:35:56
End at: 2019-11-23 22:36:26
Local clock offset: 0.701 ms
Remote clock offset: -5.693 ms

# Below is generated by plot.py at 2019-11-24 00:42:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 64.940 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 64.940 ms
Loss rate: 1.17%
```

Run 1: Report of QUIC Cubic — Data Link

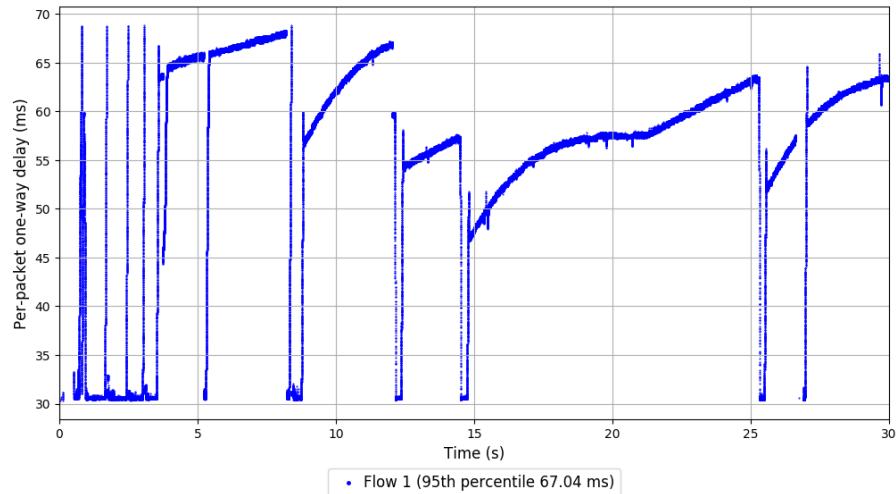
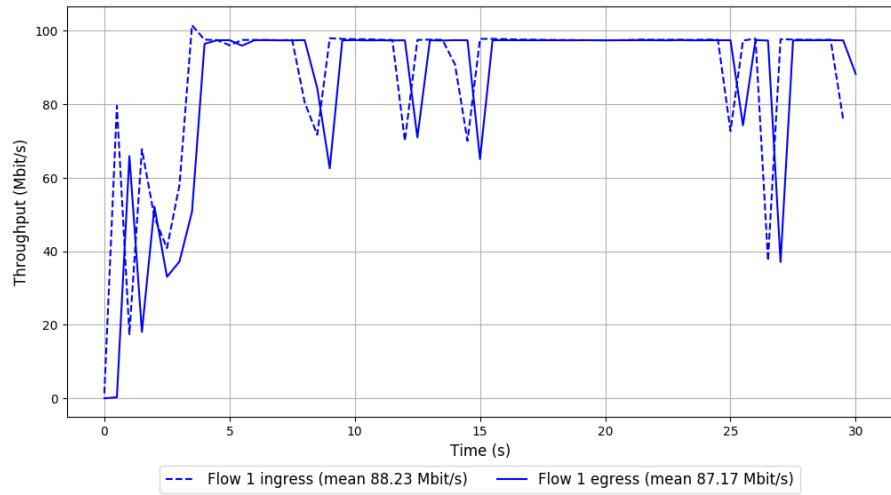


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-11-23 23:03:24
End at: 2019-11-23 23:03:54
Local clock offset: 2.315 ms
Remote clock offset: -4.612 ms

# Below is generated by plot.py at 2019-11-24 00:42:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 67.041 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 67.041 ms
Loss rate: 1.10%
```

Run 2: Report of QUIC Cubic — Data Link

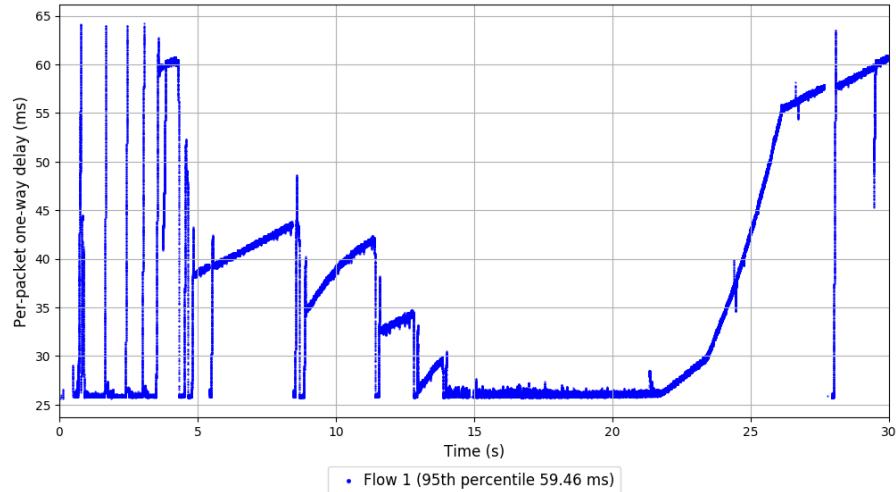
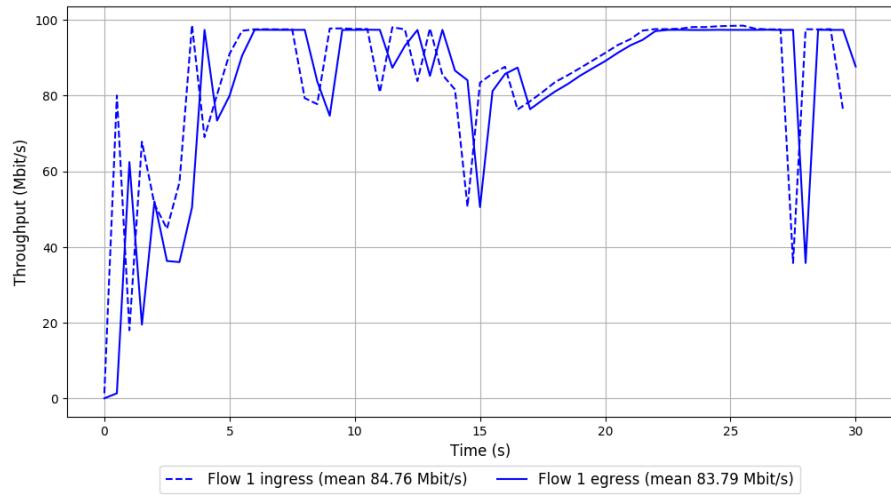


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-11-23 23:30:41
End at: 2019-11-23 23:31:11
Local clock offset: 4.273 ms
Remote clock offset: -6.047 ms

# Below is generated by plot.py at 2019-11-24 00:42:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 59.461 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 59.461 ms
Loss rate: 1.03%
```

Run 3: Report of QUIC Cubic — Data Link

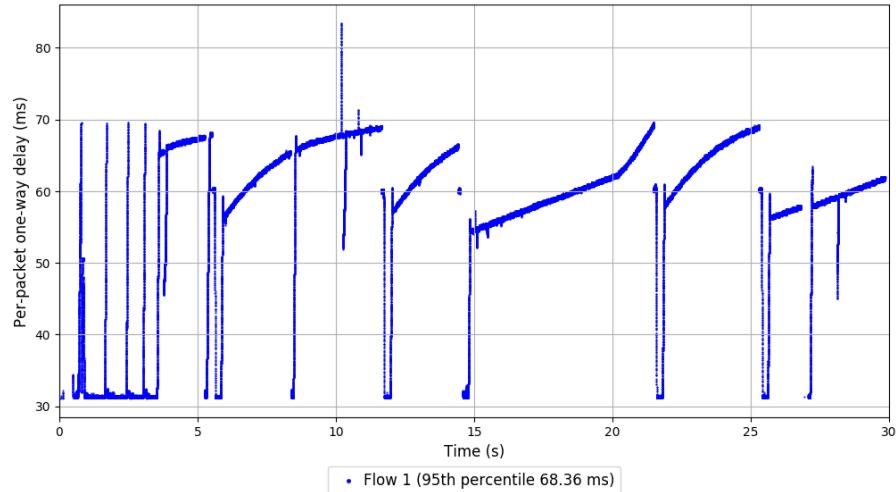
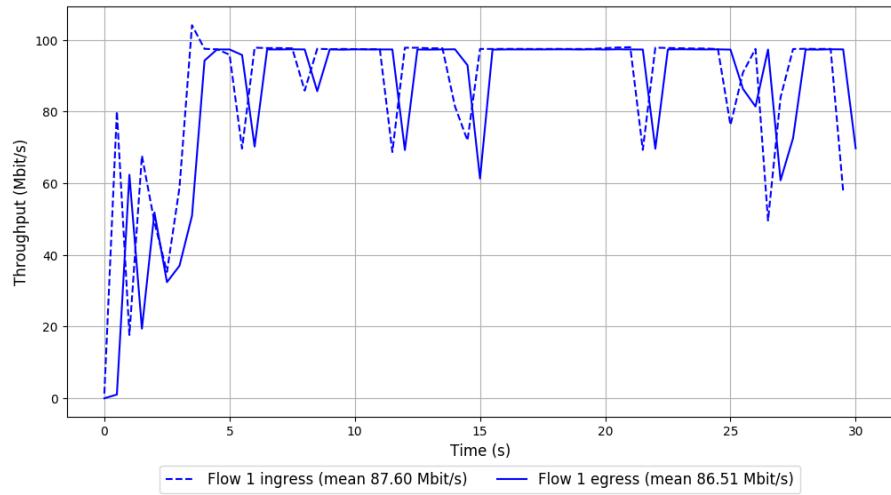


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-11-23 23:58:07
End at: 2019-11-23 23:58:37
Local clock offset: 3.059 ms
Remote clock offset: -3.895 ms

# Below is generated by plot.py at 2019-11-24 00:42:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 68.357 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 68.357 ms
Loss rate: 1.15%
```

Run 4: Report of QUIC Cubic — Data Link

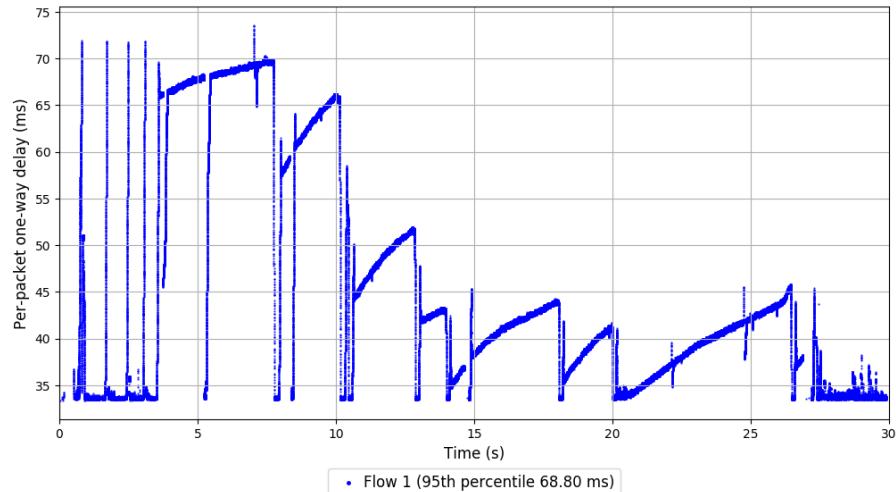
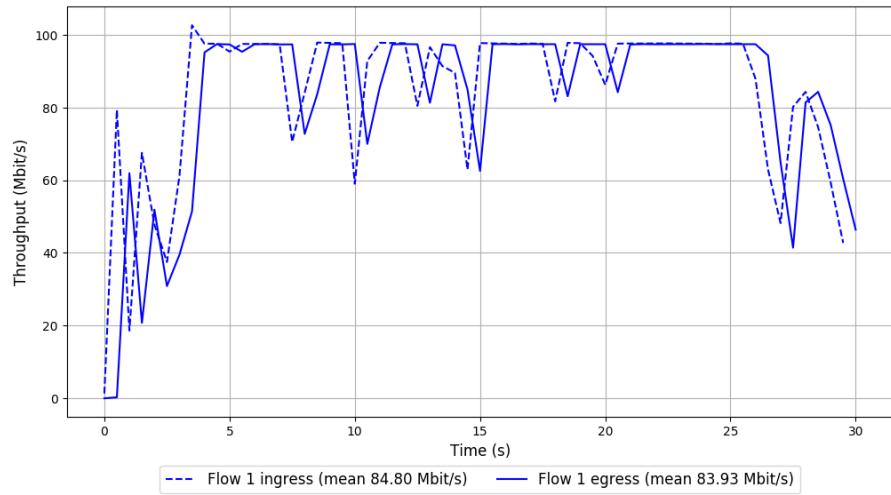


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-11-24 00:25:57
End at: 2019-11-24 00:26:27
Local clock offset: 2.793 ms
Remote clock offset: -2.915 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 68.801 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 68.801 ms
Loss rate: 1.02%
```

Run 5: Report of QUIC Cubic — Data Link

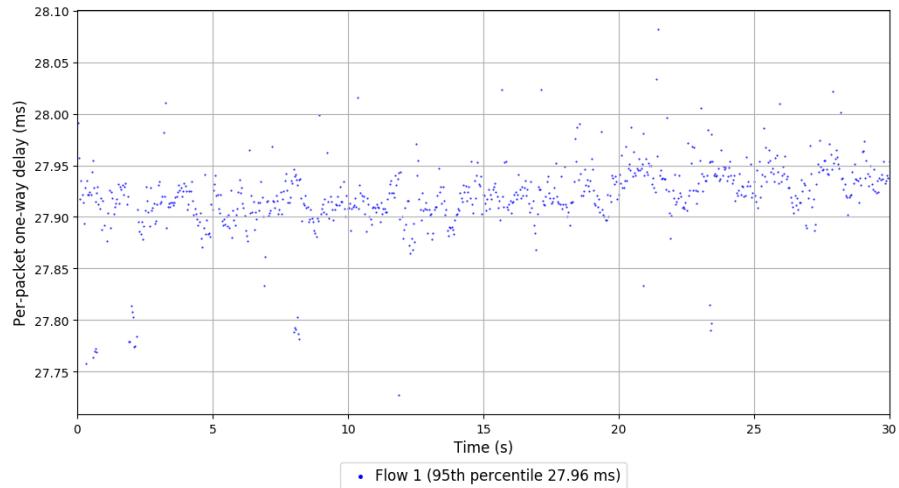
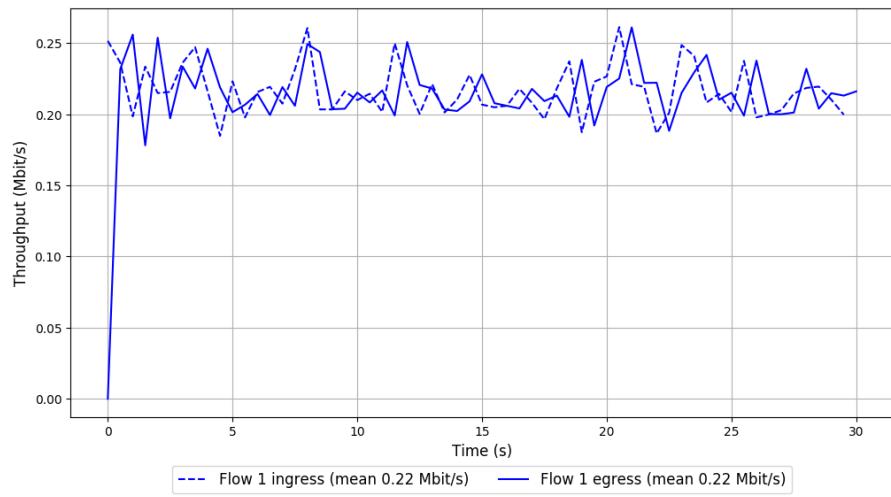


Run 1: Statistics of SCReAM

```
Start at: 2019-11-23 22:16:26
End at: 2019-11-23 22:16:56
Local clock offset: 7.729 ms
Remote clock offset: -4.632 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.964 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

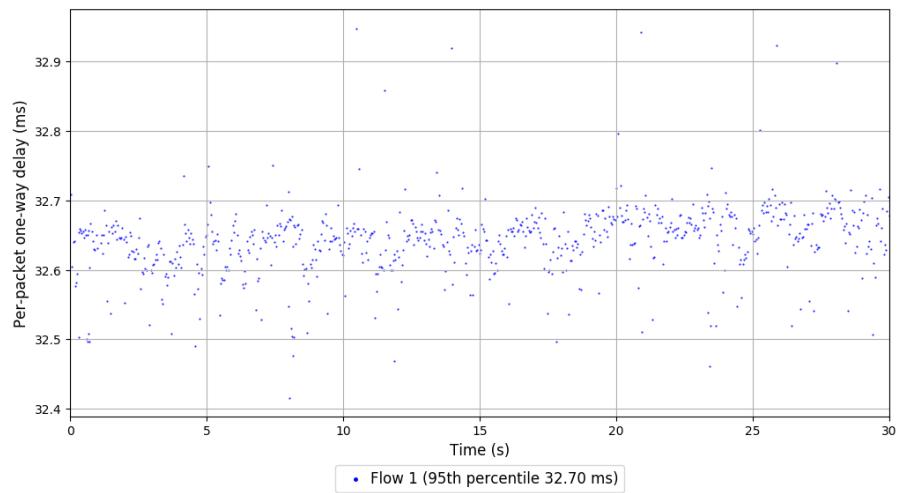
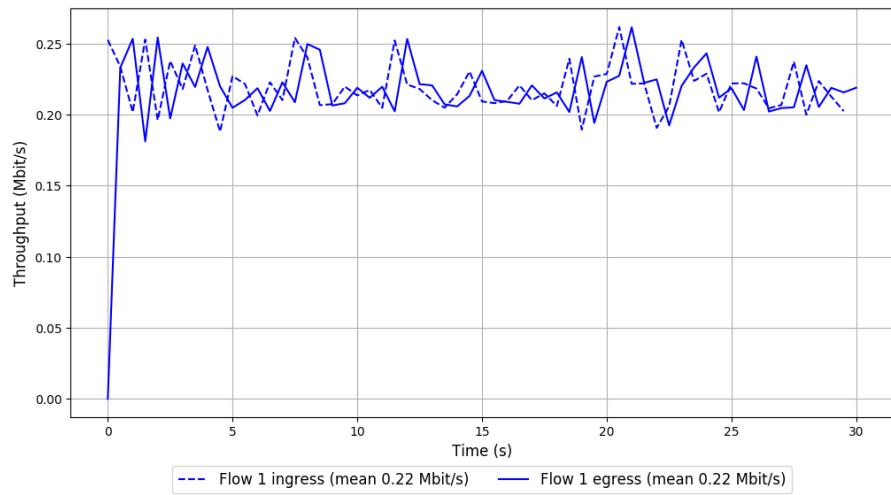


Run 2: Statistics of SCReAM

```
Start at: 2019-11-23 22:43:56
End at: 2019-11-23 22:44:26
Local clock offset: 4.301 ms
Remote clock offset: -1.803 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.699 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

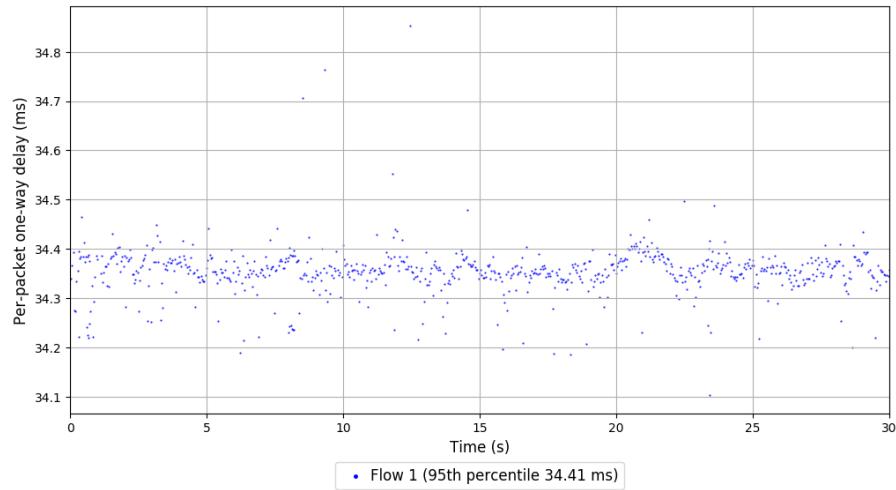
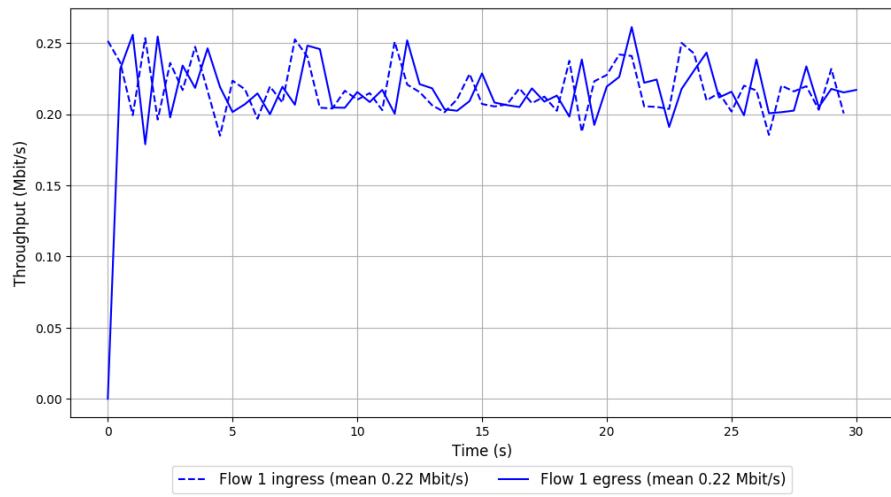


Run 3: Statistics of SCReAM

```
Start at: 2019-11-23 23:11:18
End at: 2019-11-23 23:11:48
Local clock offset: -0.381 ms
Remote clock offset: -4.248 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.406 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

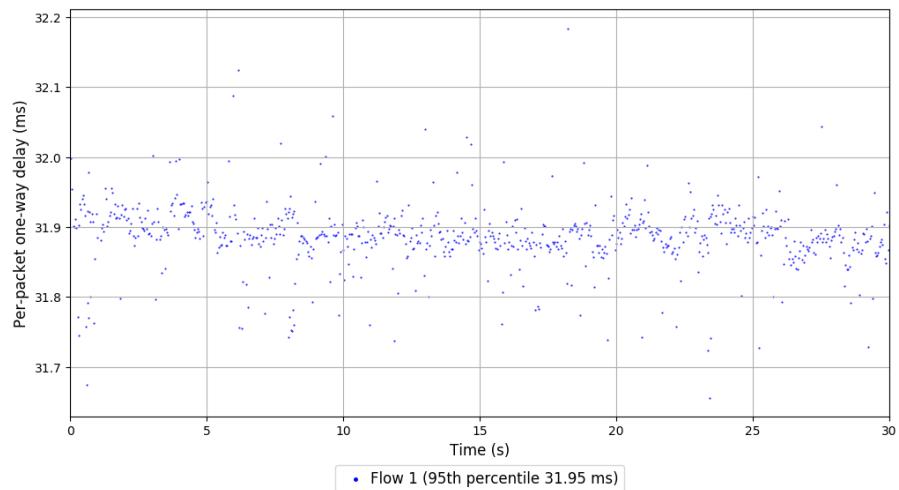
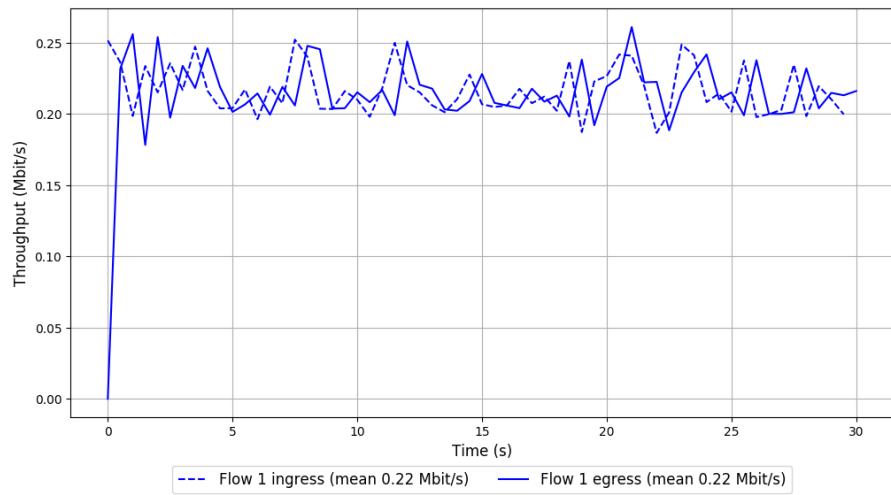


Run 4: Statistics of SCReAM

```
Start at: 2019-11-23 23:38:39
End at: 2019-11-23 23:39:09
Local clock offset: -0.007 ms
Remote clock offset: -4.965 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.946 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

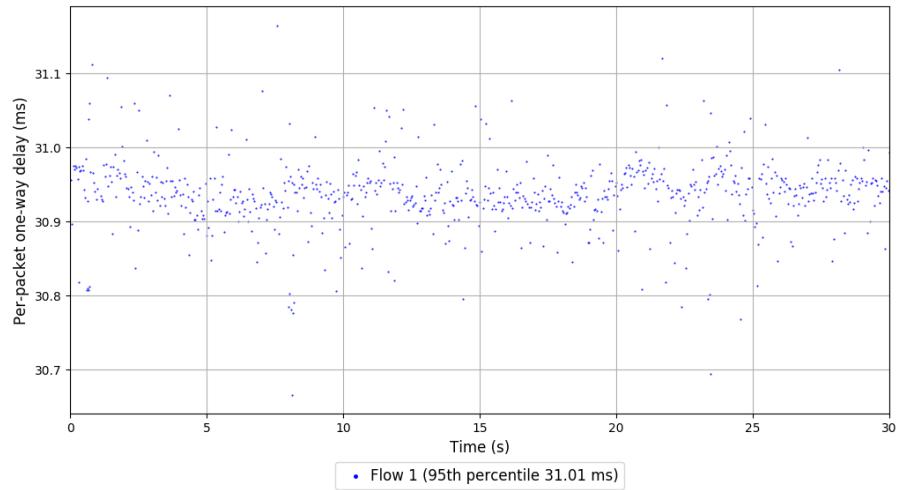
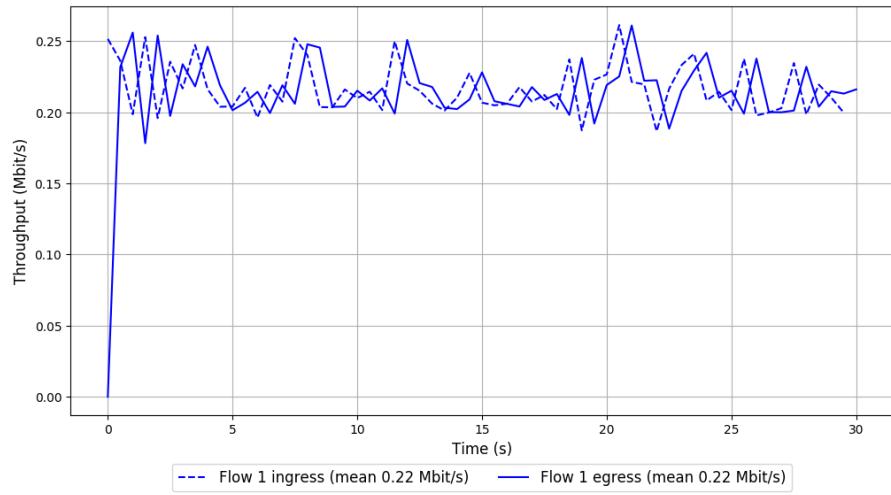


Run 5: Statistics of SCReAM

```
Start at: 2019-11-24 00:06:01
End at: 2019-11-24 00:06:31
Local clock offset: 5.864 ms
Remote clock offset: -2.591 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.008 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

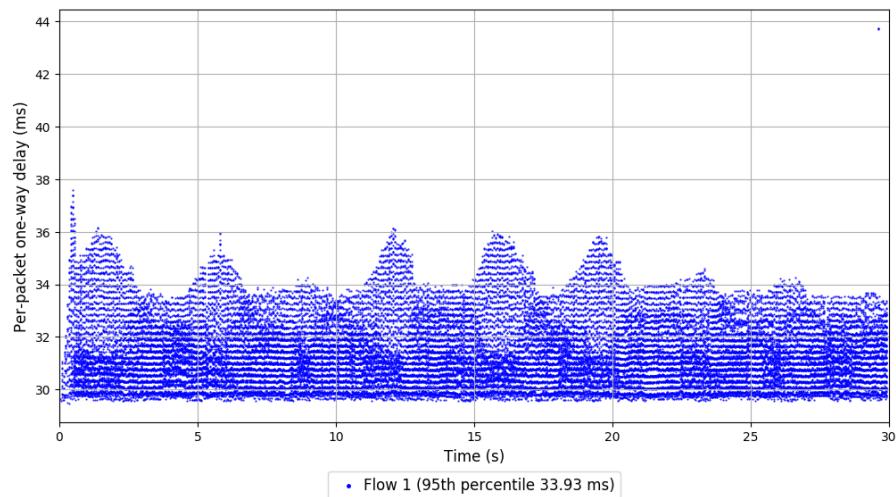
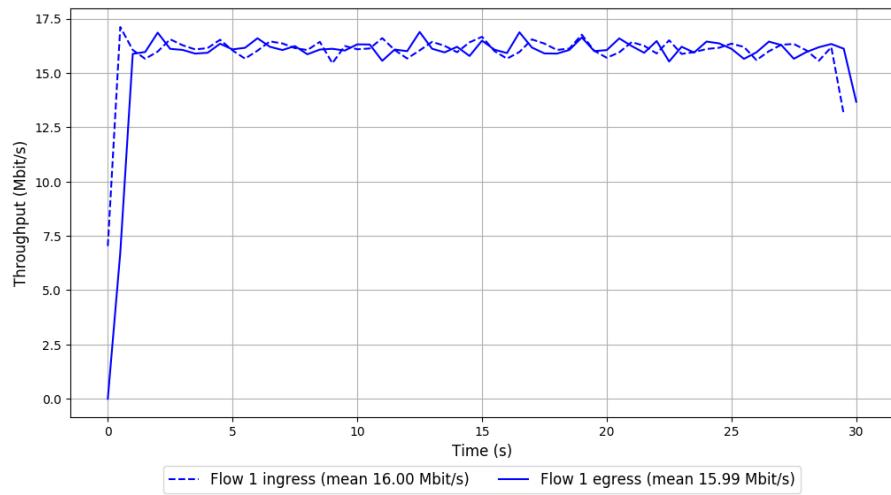


Run 1: Statistics of Sprout

```
Start at: 2019-11-23 22:38:10
End at: 2019-11-23 22:38:40
Local clock offset: 4.262 ms
Remote clock offset: -2.553 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 33.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 33.931 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

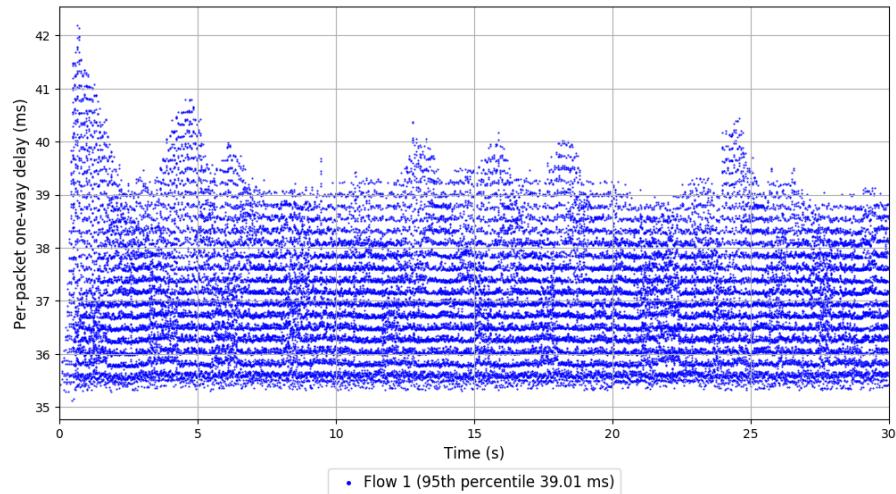
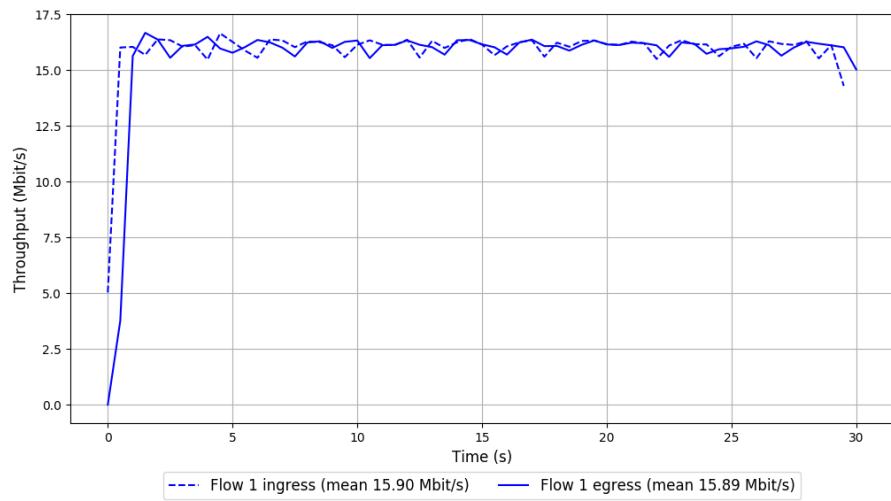


Run 2: Statistics of Sprout

```
Start at: 2019-11-23 23:05:38
End at: 2019-11-23 23:06:08
Local clock offset: -0.032 ms
Remote clock offset: -3.699 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 39.013 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 39.013 ms
Loss rate: 0.06%
```

Run 2: Report of Sprout — Data Link

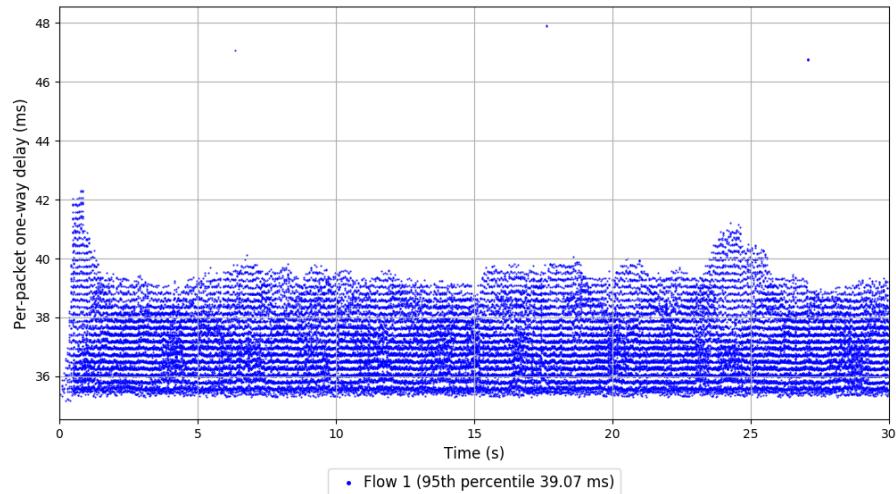
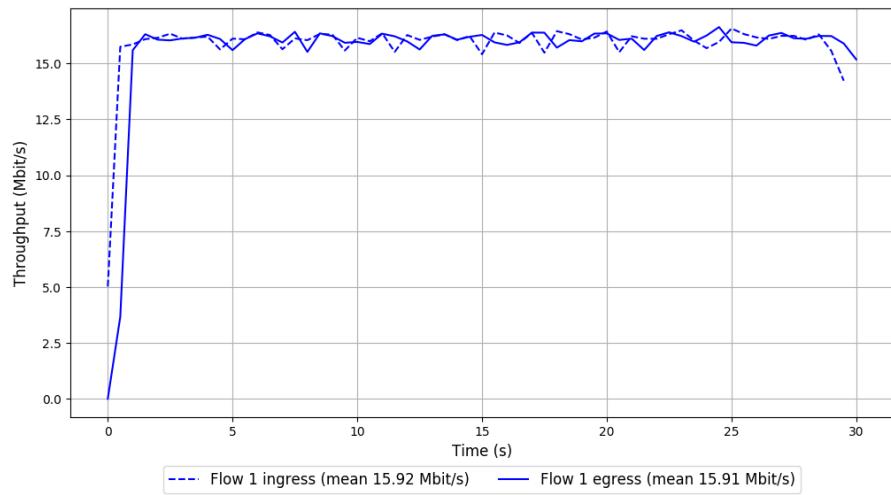


Run 3: Statistics of Sprout

```
Start at: 2019-11-23 23:32:56
End at: 2019-11-23 23:33:26
Local clock offset: 0.679 ms
Remote clock offset: -1.596 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 39.069 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 39.069 ms
Loss rate: 0.02%
```

Run 3: Report of Sprout — Data Link

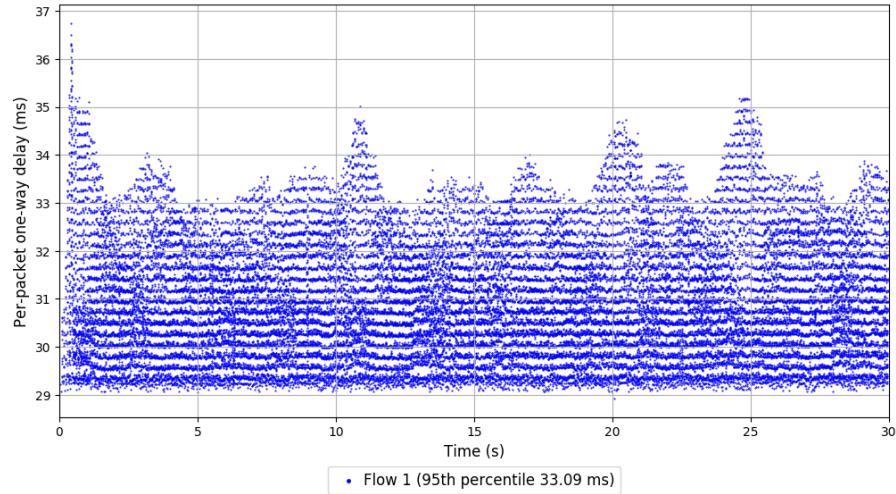
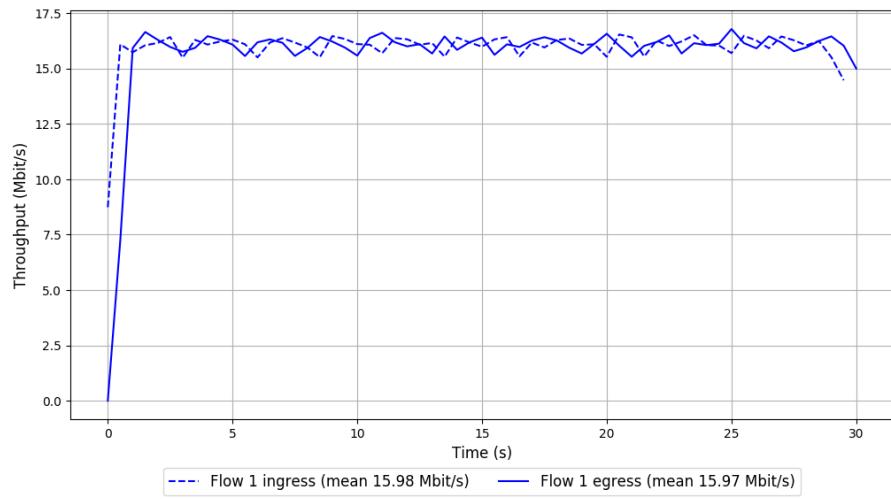


Run 4: Statistics of Sprout

```
Start at: 2019-11-24 00:00:21
End at: 2019-11-24 00:00:51
Local clock offset: 6.101 ms
Remote clock offset: -4.668 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.97 Mbit/s
95th percentile per-packet one-way delay: 33.091 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.97 Mbit/s
95th percentile per-packet one-way delay: 33.091 ms
Loss rate: 0.03%
```

Run 4: Report of Sprout — Data Link

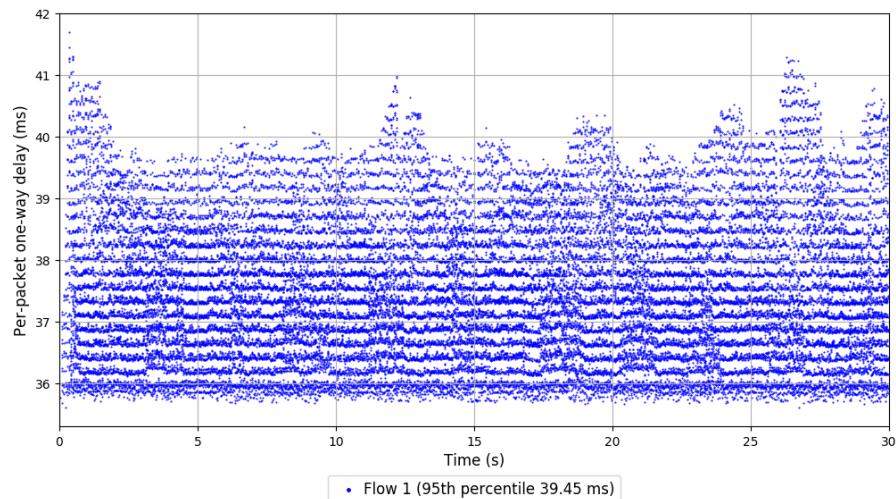
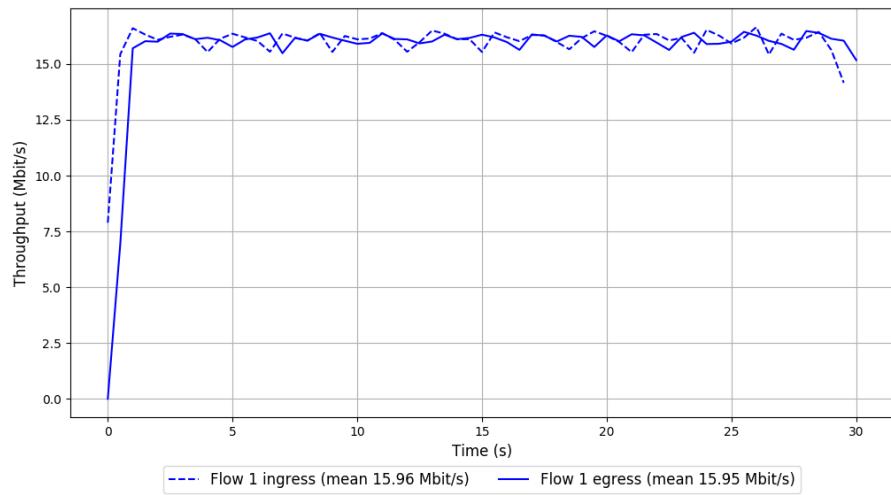


Run 5: Statistics of Sprout

```
Start at: 2019-11-24 00:28:11
End at: 2019-11-24 00:28:41
Local clock offset: 2.166 ms
Remote clock offset: -2.264 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 39.451 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 39.451 ms
Loss rate: 0.01%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

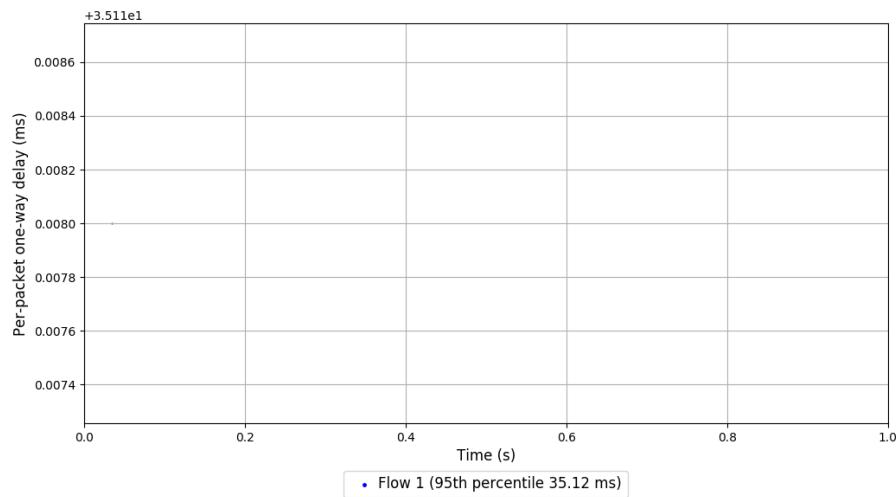
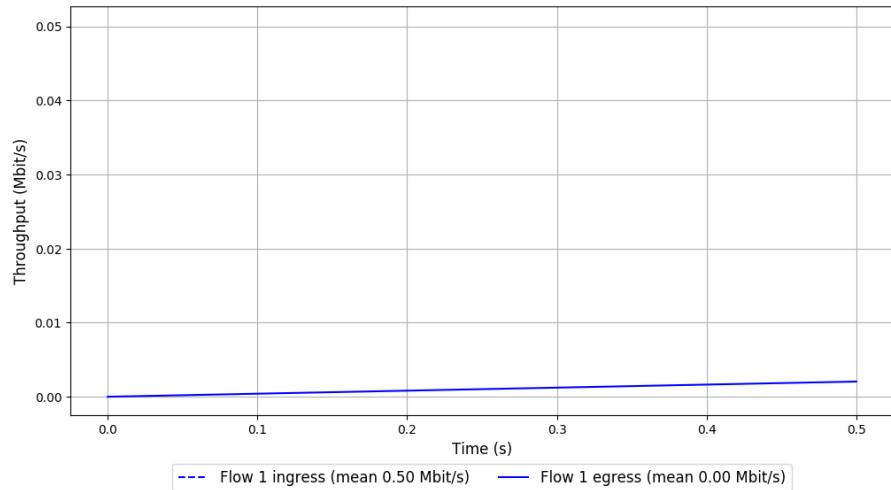
Start at: 2019-11-23 22:31:23

End at: 2019-11-23 22:31:54

Local clock offset: -0.249 ms

Remote clock offset: -2.547 ms

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

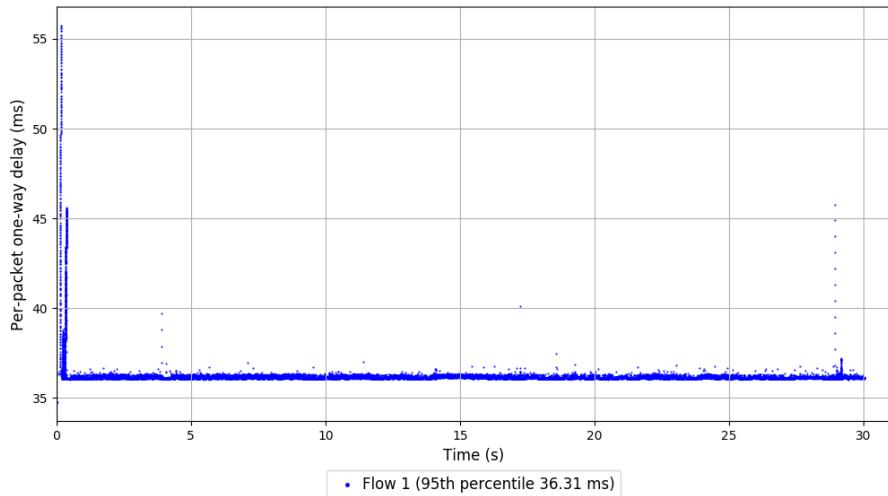
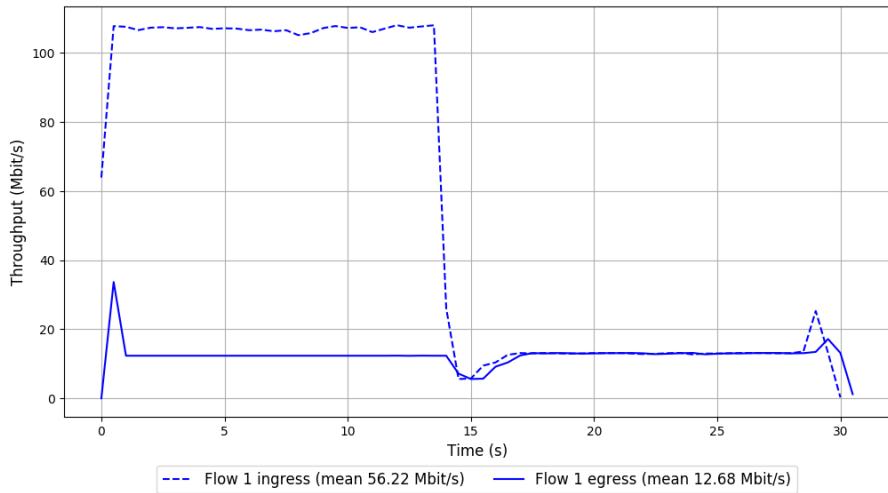


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-11-23 22:58:51
End at: 2019-11-23 22:59:21
Local clock offset: 0.252 ms
Remote clock offset: -2.692 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 36.307 ms
Loss rate: 77.45%
-- Flow 1:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 36.307 ms
Loss rate: 77.45%
```

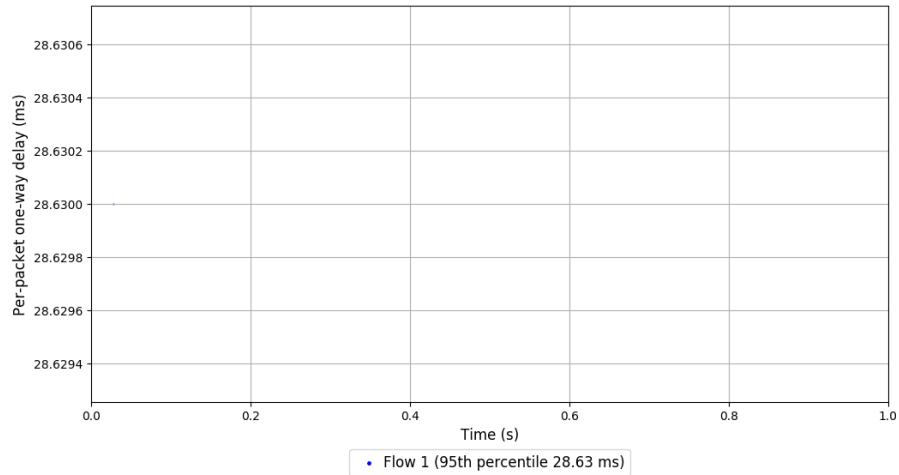
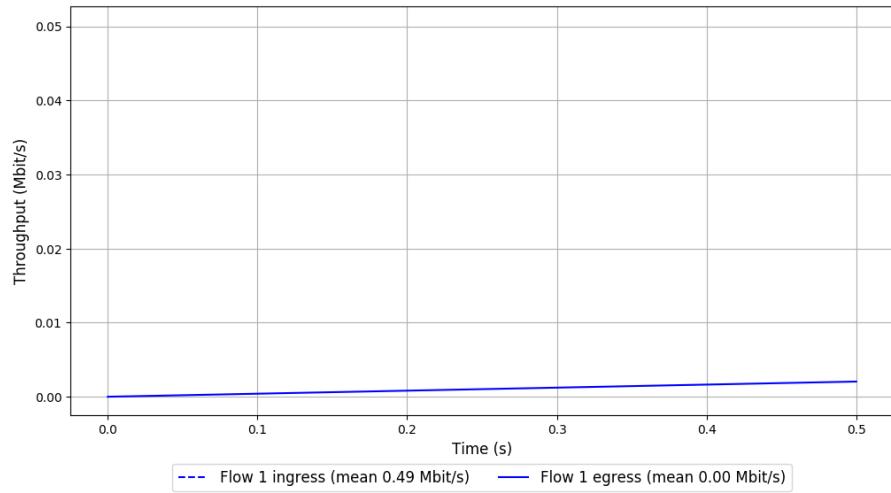
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-11-23 23:26:08
End at: 2019-11-23 23:26:38
Local clock offset: 5.405 ms
Remote clock offset: -4.617 ms

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

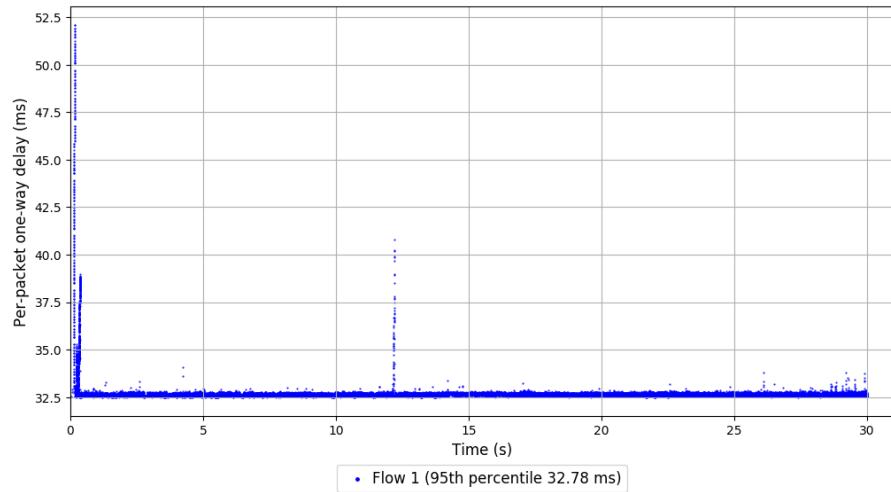
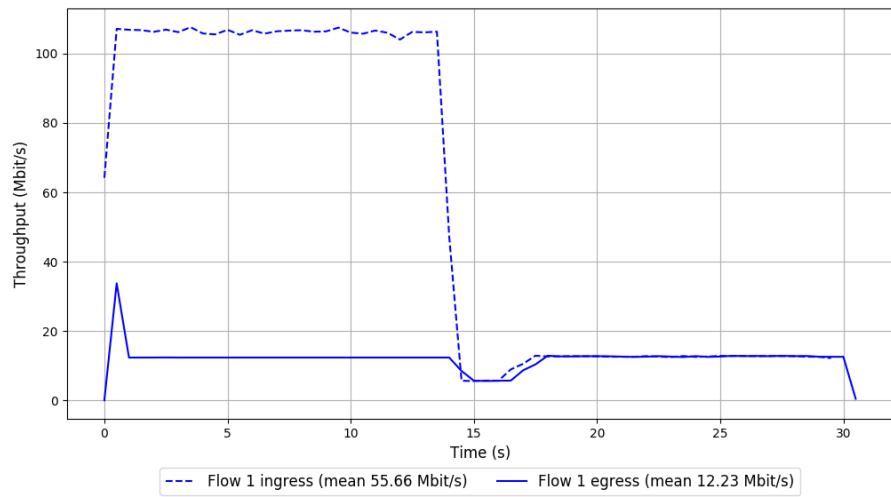


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-11-23 23:53:33
End at: 2019-11-23 23:54:03
Local clock offset: 6.213 ms
Remote clock offset: -0.827 ms

# Below is generated by plot.py at 2019-11-24 00:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 32.777 ms
Loss rate: 78.03%
-- Flow 1:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 32.777 ms
Loss rate: 78.03%
```

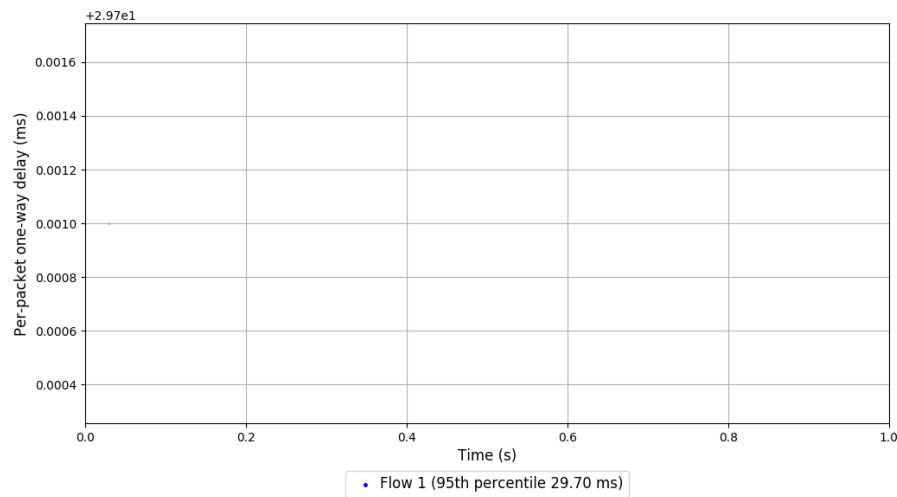
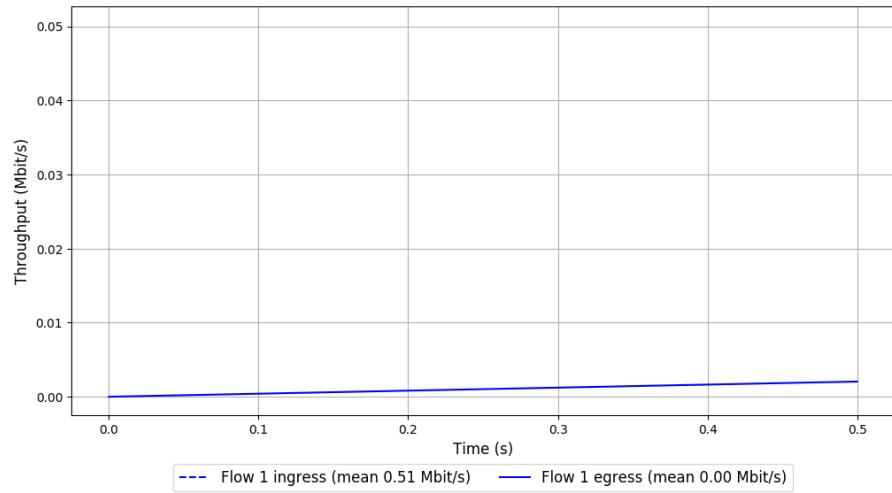
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-11-24 00:21:25
End at: 2019-11-24 00:21:55
Local clock offset: 5.721 ms
Remote clock offset: -3.329 ms

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

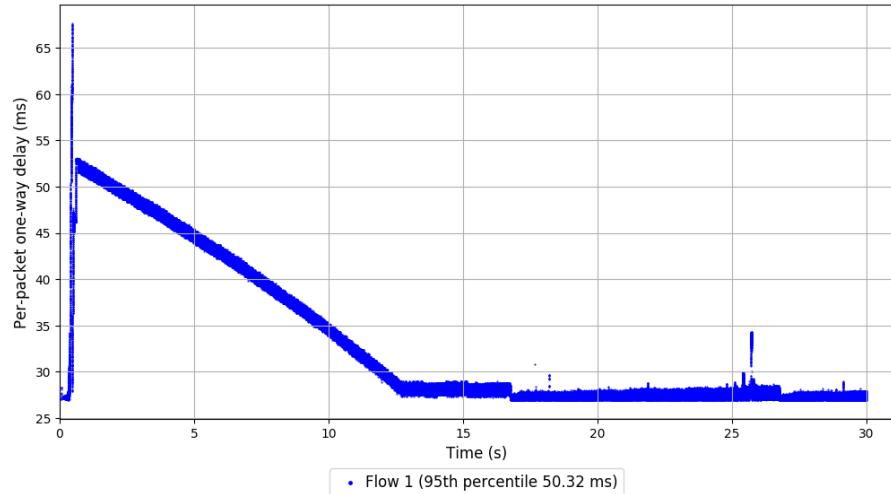
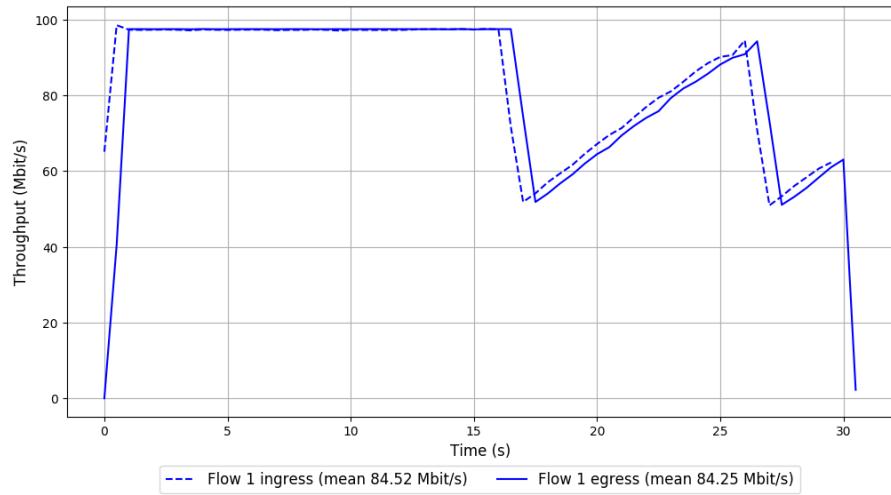


Run 1: Statistics of TCP Vegas

```
Start at: 2019-11-23 22:26:43
End at: 2019-11-23 22:27:13
Local clock offset: 3.484 ms
Remote clock offset: -5.566 ms

# Below is generated by plot.py at 2019-11-24 00:43:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 50.317 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 50.317 ms
Loss rate: 0.31%
```

Run 1: Report of TCP Vegas — Data Link

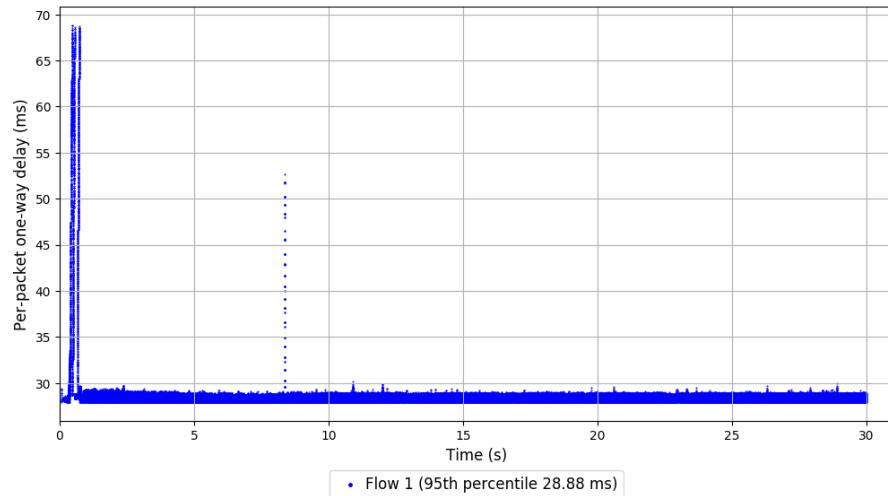
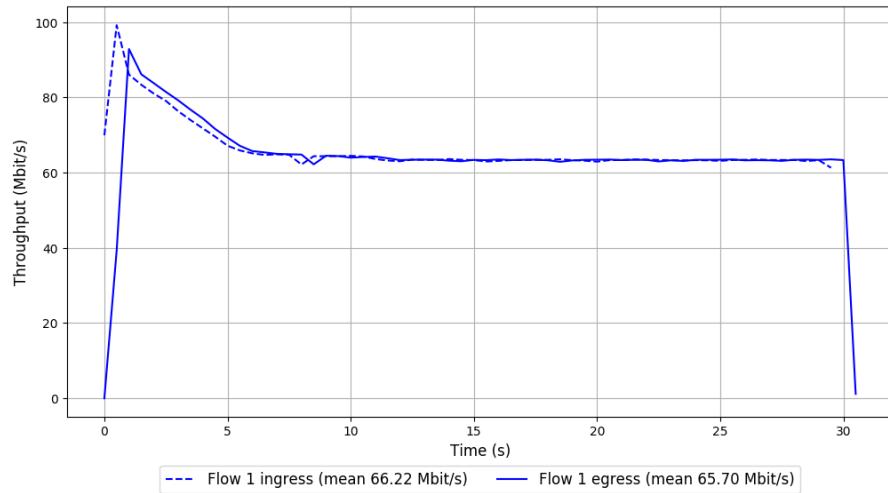


Run 2: Statistics of TCP Vegas

```
Start at: 2019-11-23 22:54:17
End at: 2019-11-23 22:54:47
Local clock offset: 5.689 ms
Remote clock offset: -3.796 ms

# Below is generated by plot.py at 2019-11-24 00:43:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 28.880 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 28.880 ms
Loss rate: 0.79%
```

Run 2: Report of TCP Vegas — Data Link

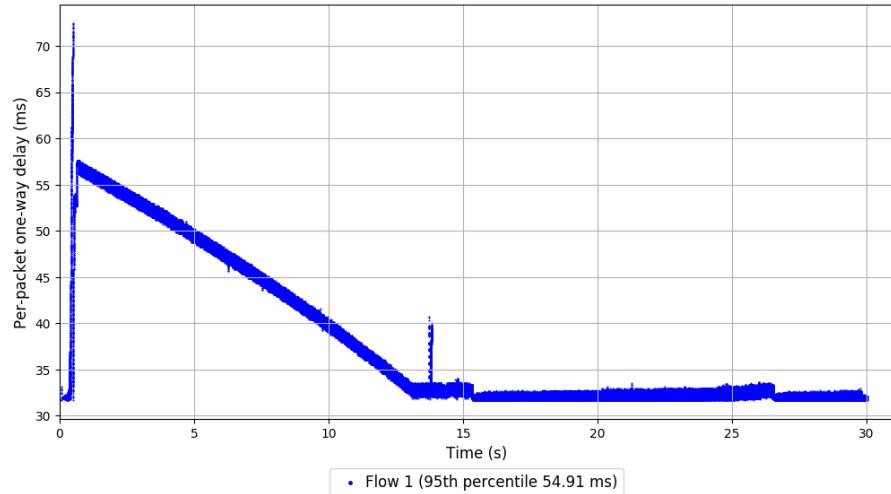
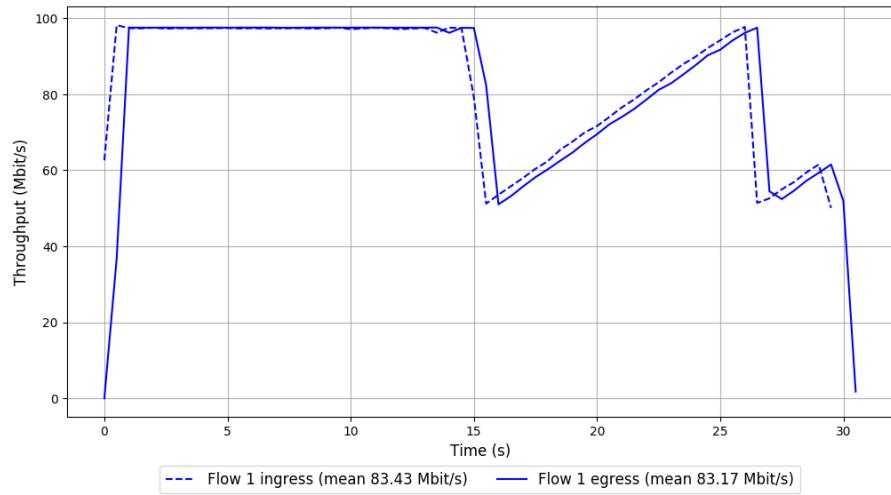


Run 3: Statistics of TCP Vegas

```
Start at: 2019-11-23 23:21:32
End at: 2019-11-23 23:22:02
Local clock offset: 4.992 ms
Remote clock offset: -1.971 ms

# Below is generated by plot.py at 2019-11-24 00:43:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.17 Mbit/s
95th percentile per-packet one-way delay: 54.911 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 83.17 Mbit/s
95th percentile per-packet one-way delay: 54.911 ms
Loss rate: 0.31%
```

Run 3: Report of TCP Vegas — Data Link

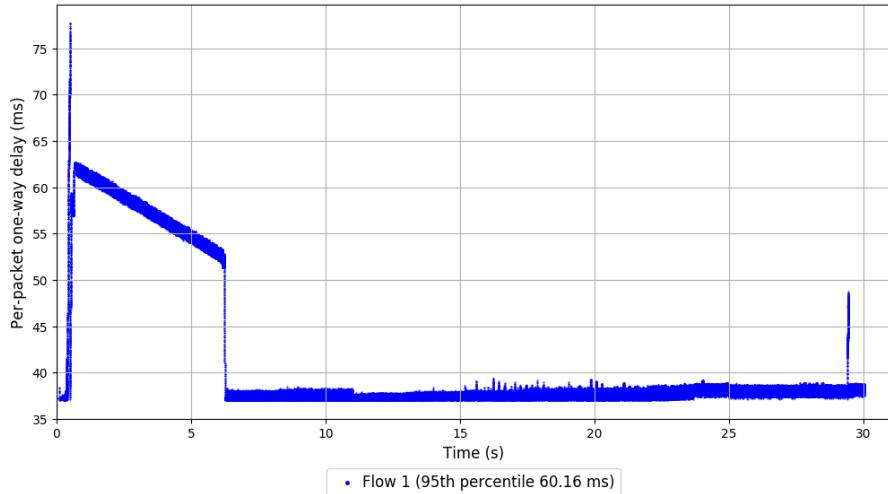
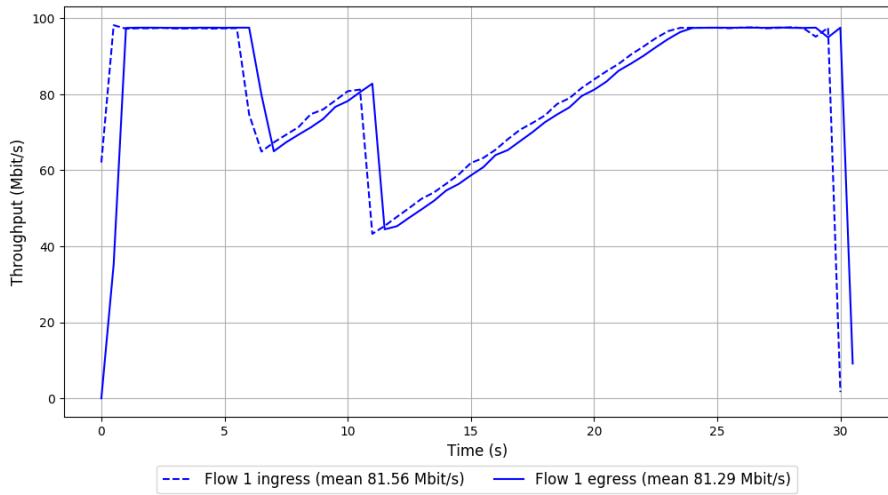


Run 4: Statistics of TCP Vegas

```
Start at: 2019-11-23 23:48:58
End at: 2019-11-23 23:49:28
Local clock offset: 0.746 ms
Remote clock offset: -2.228 ms

# Below is generated by plot.py at 2019-11-24 00:43:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 60.159 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 60.159 ms
Loss rate: 0.32%
```

Run 4: Report of TCP Vegas — Data Link

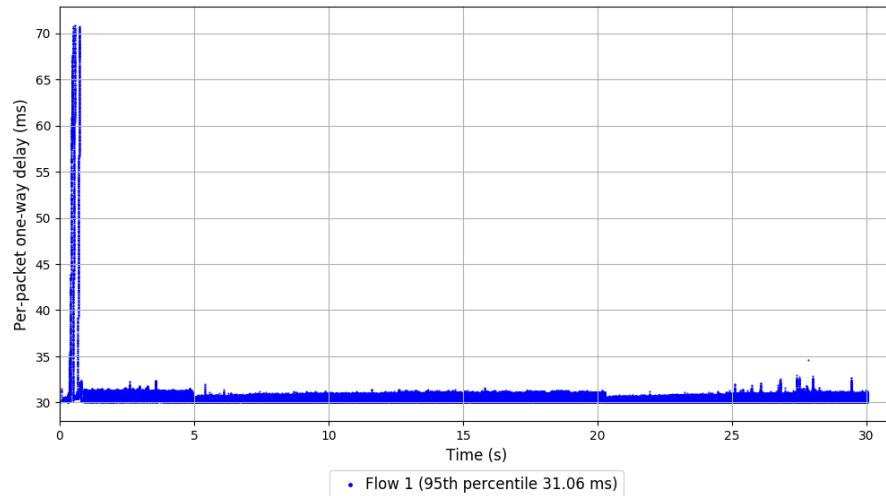
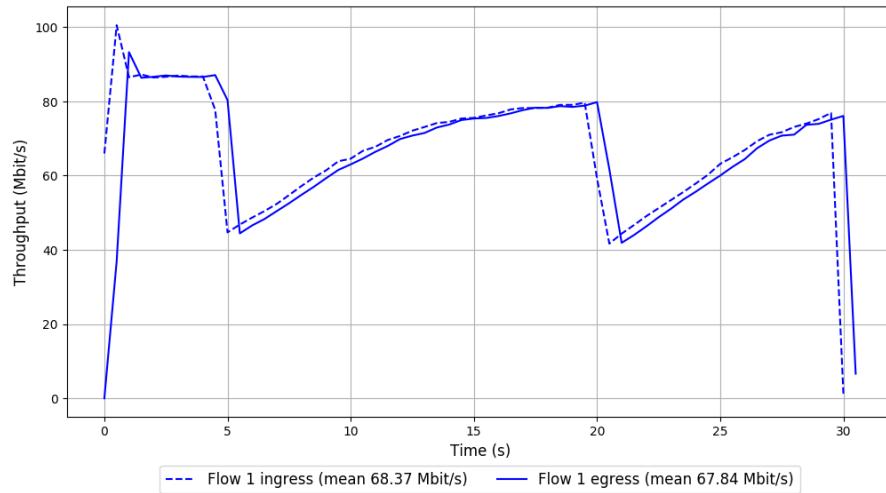


Run 5: Statistics of TCP Vegas

```
Start at: 2019-11-24 00:16:43
End at: 2019-11-24 00:17:13
Local clock offset: 5.922 ms
Remote clock offset: -4.246 ms

# Below is generated by plot.py at 2019-11-24 00:43:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 31.056 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 31.056 ms
Loss rate: 0.77%
```

Run 5: Report of TCP Vegas — Data Link

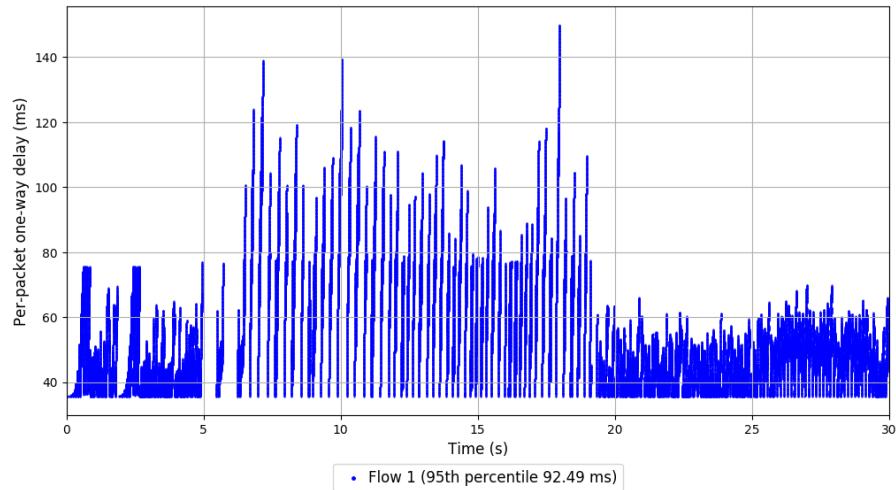
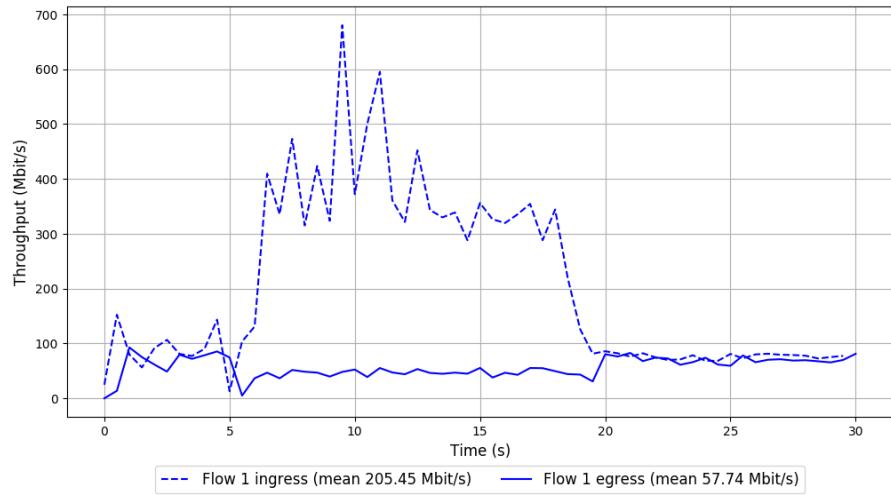


Run 1: Statistics of Verus

```
Start at: 2019-11-23 22:32:29
End at: 2019-11-23 22:32:59
Local clock offset: -0.212 ms
Remote clock offset: -2.882 ms

# Below is generated by plot.py at 2019-11-24 00:43:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.74 Mbit/s
95th percentile per-packet one-way delay: 92.490 ms
Loss rate: 71.88%
-- Flow 1:
Average throughput: 57.74 Mbit/s
95th percentile per-packet one-way delay: 92.490 ms
Loss rate: 71.88%
```

Run 1: Report of Verus — Data Link

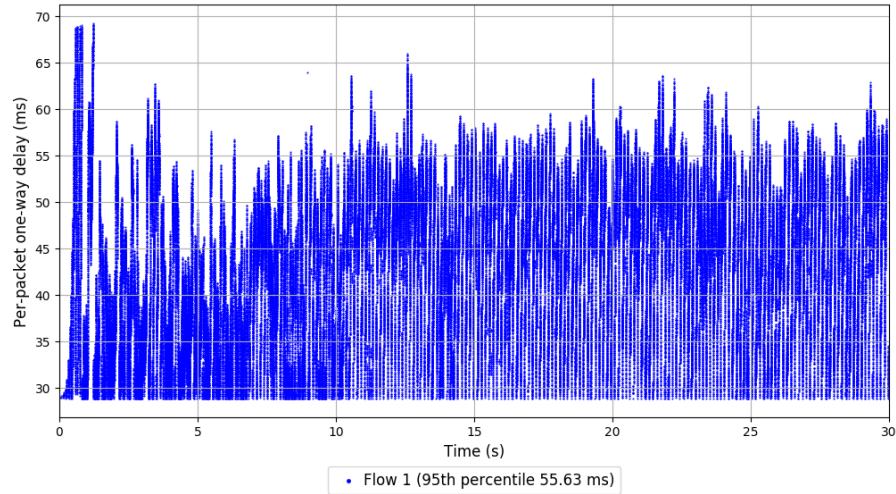
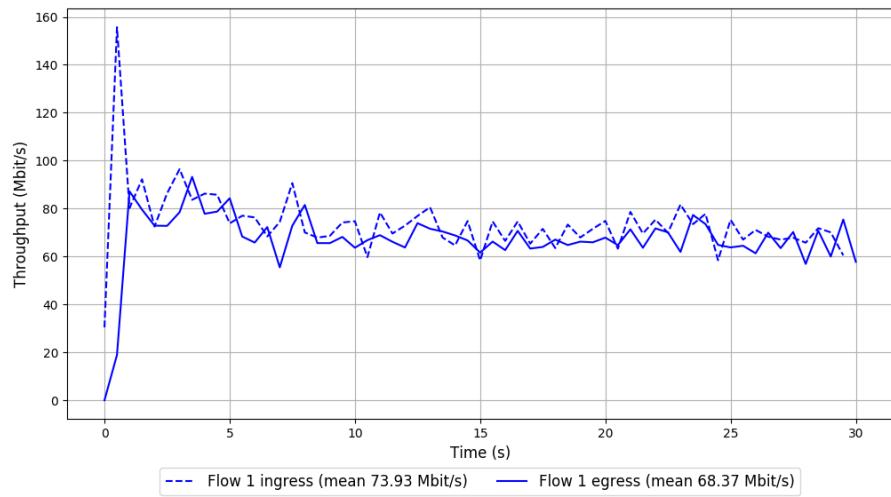


Run 2: Statistics of Verus

```
Start at: 2019-11-23 22:59:57
End at: 2019-11-23 23:00:27
Local clock offset: 2.863 ms
Remote clock offset: -5.034 ms

# Below is generated by plot.py at 2019-11-24 00:43:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 55.626 ms
Loss rate: 7.50%
-- Flow 1:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 55.626 ms
Loss rate: 7.50%
```

Run 2: Report of Verus — Data Link

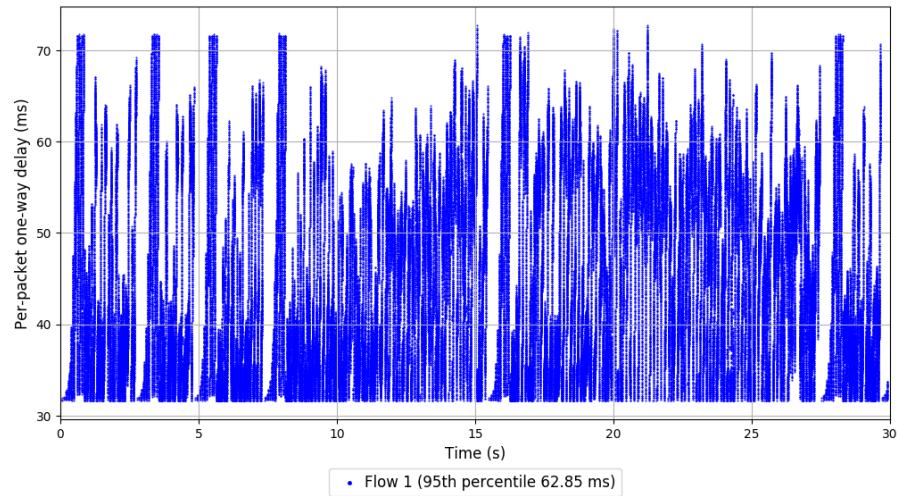
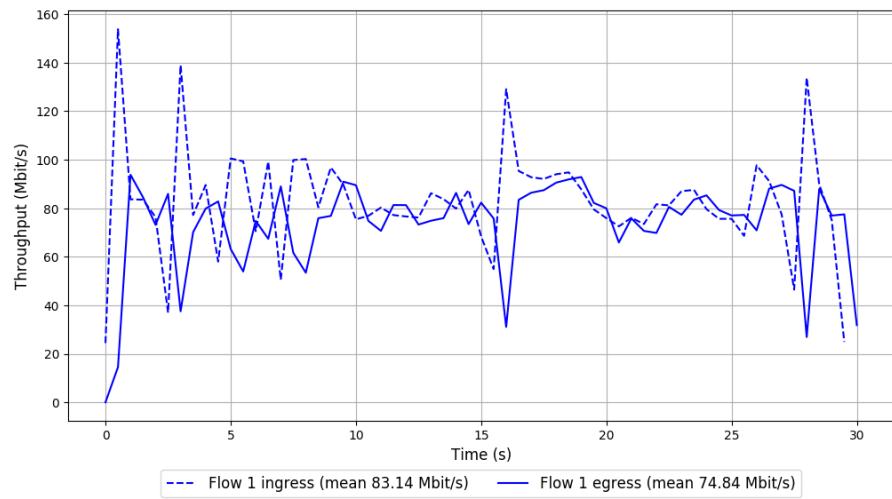


Run 3: Statistics of Verus

```
Start at: 2019-11-23 23:27:13
End at: 2019-11-23 23:27:43
Local clock offset: 3.662 ms
Remote clock offset: -3.167 ms

# Below is generated by plot.py at 2019-11-24 00:43:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 62.855 ms
Loss rate: 9.98%
-- Flow 1:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 62.855 ms
Loss rate: 9.98%
```

Run 3: Report of Verus — Data Link

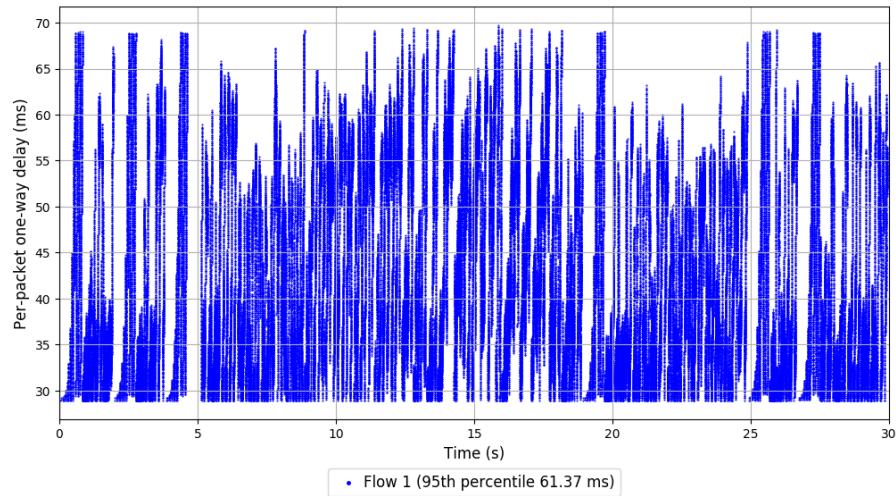
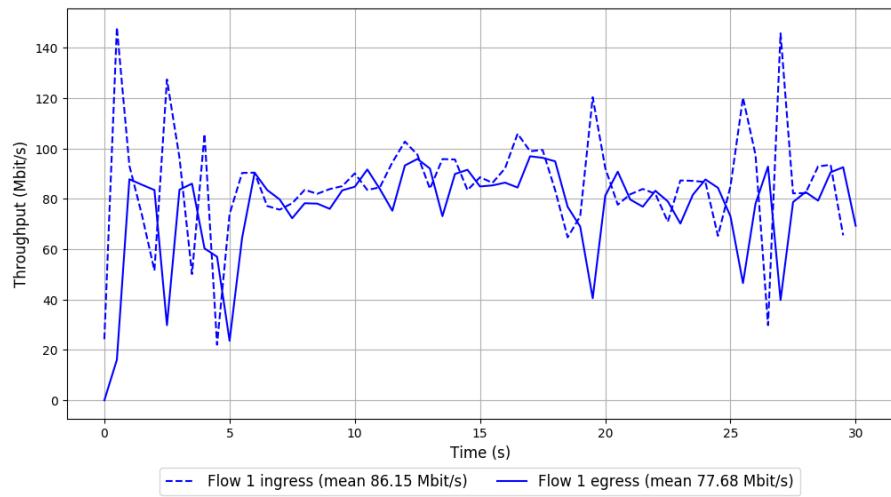


Run 4: Statistics of Verus

```
Start at: 2019-11-23 23:54:40
End at: 2019-11-23 23:55:10
Local clock offset: 7.025 ms
Remote clock offset: -3.658 ms

# Below is generated by plot.py at 2019-11-24 00:44:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 61.374 ms
Loss rate: 9.76%
-- Flow 1:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 61.374 ms
Loss rate: 9.76%
```

Run 4: Report of Verus — Data Link

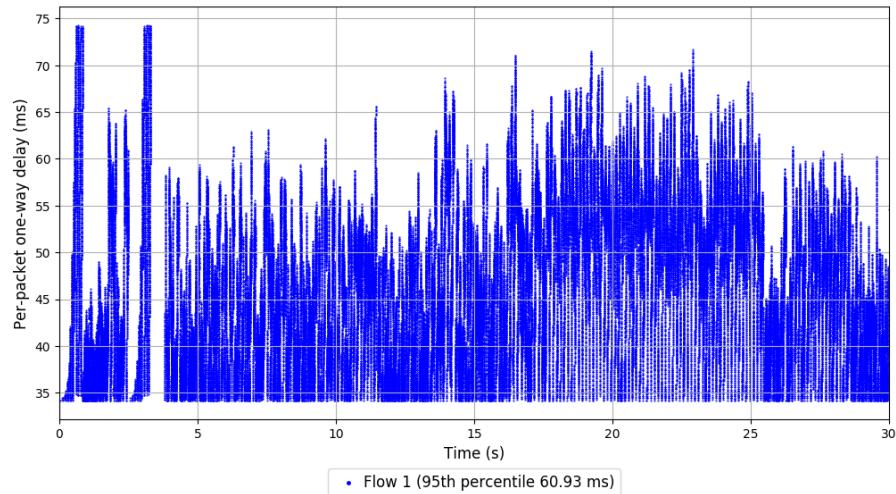
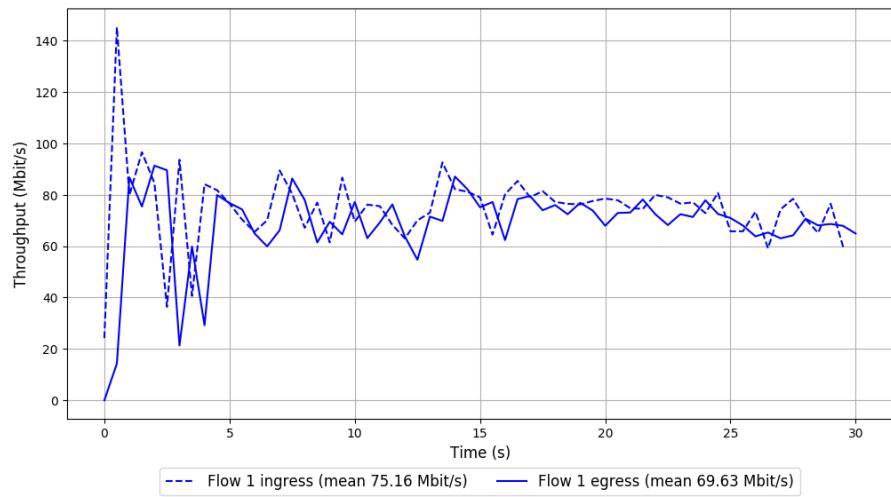


Run 5: Statistics of Verus

```
Start at: 2019-11-24 00:22:30
End at: 2019-11-24 00:23:00
Local clock offset: 1.545 ms
Remote clock offset: -4.337 ms

# Below is generated by plot.py at 2019-11-24 00:44:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 60.927 ms
Loss rate: 7.29%
-- Flow 1:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 60.927 ms
Loss rate: 7.29%
```

Run 5: Report of Verus — Data Link

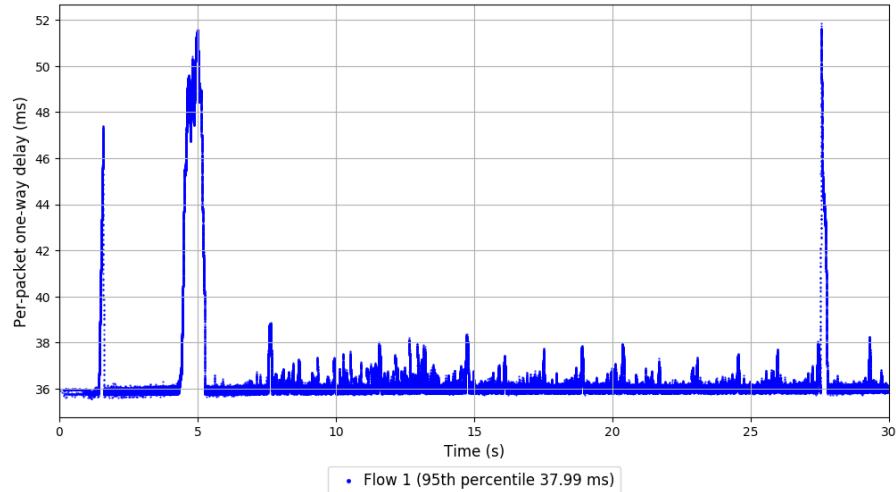
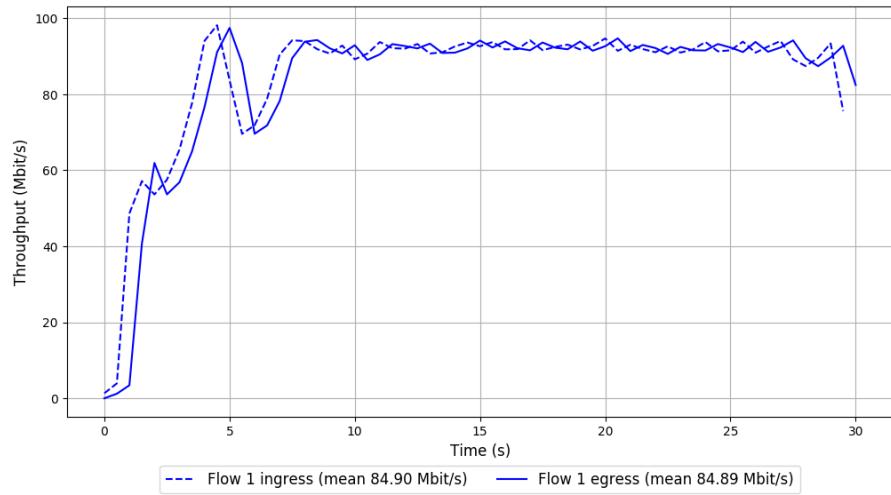


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-11-23 22:39:16
End at: 2019-11-23 22:39:46
Local clock offset: -1.559 ms
Remote clock offset: -3.85 ms

# Below is generated by plot.py at 2019-11-24 00:44:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 37.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 37.995 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

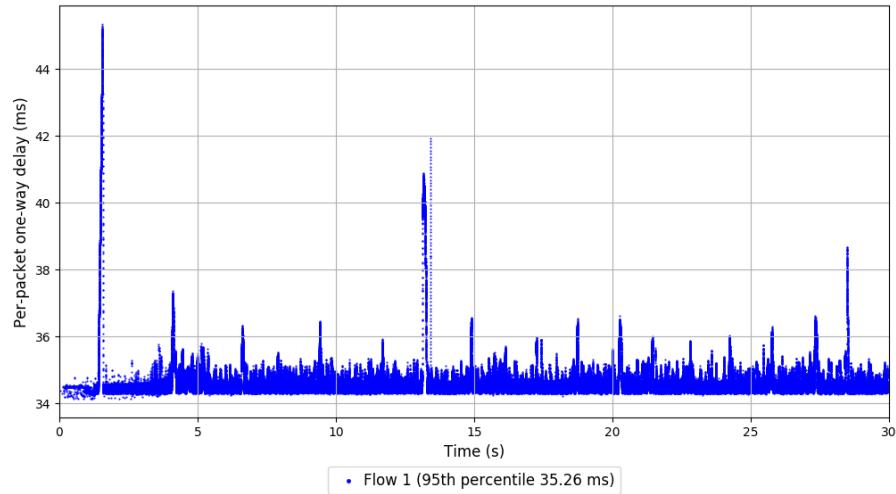
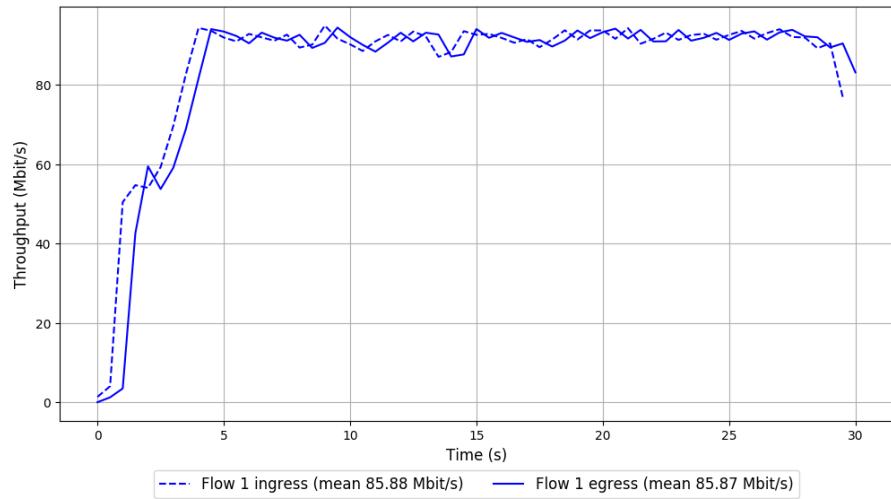


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-11-23 23:06:44
End at: 2019-11-23 23:07:14
Local clock offset: -0.425 ms
Remote clock offset: -3.517 ms

# Below is generated by plot.py at 2019-11-24 00:44:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 35.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 35.258 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

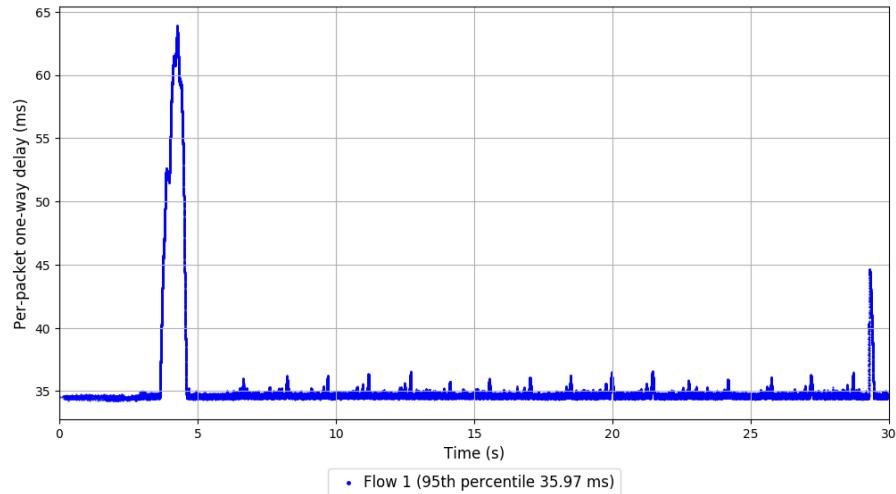
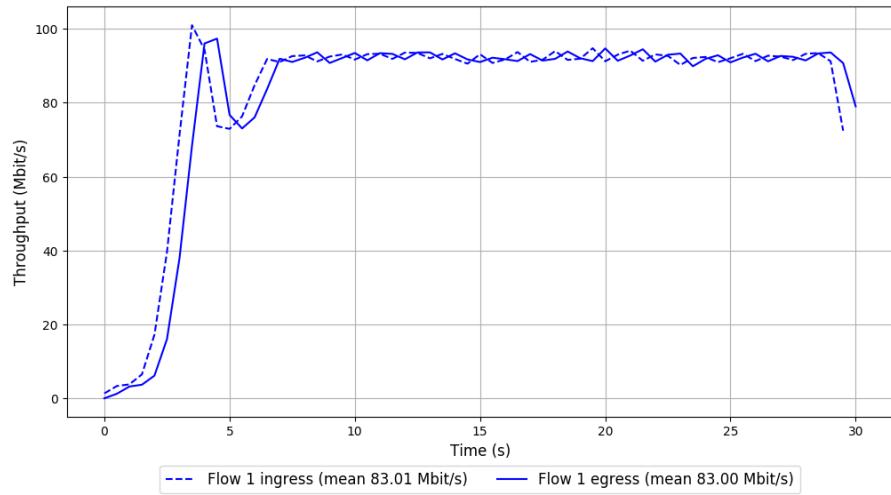


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-11-23 23:34:02
End at: 2019-11-23 23:34:32
Local clock offset: -0.822 ms
Remote clock offset: -4.813 ms

# Below is generated by plot.py at 2019-11-24 00:44:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 35.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 35.971 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

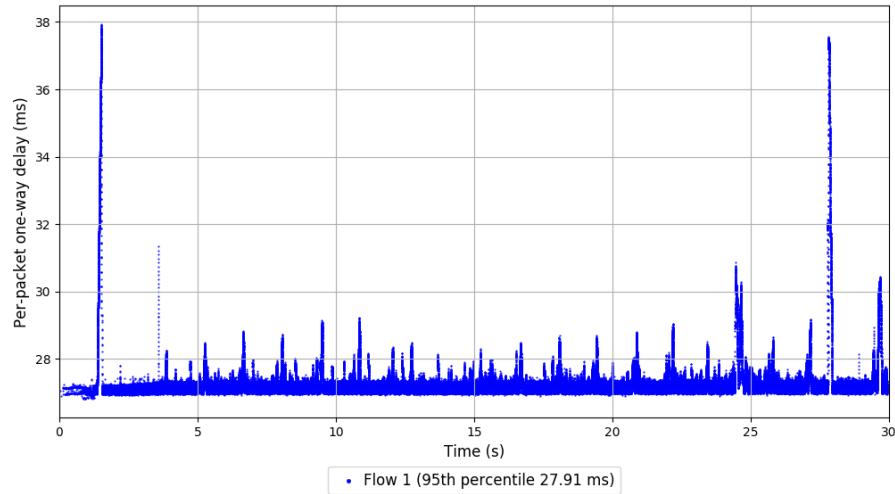
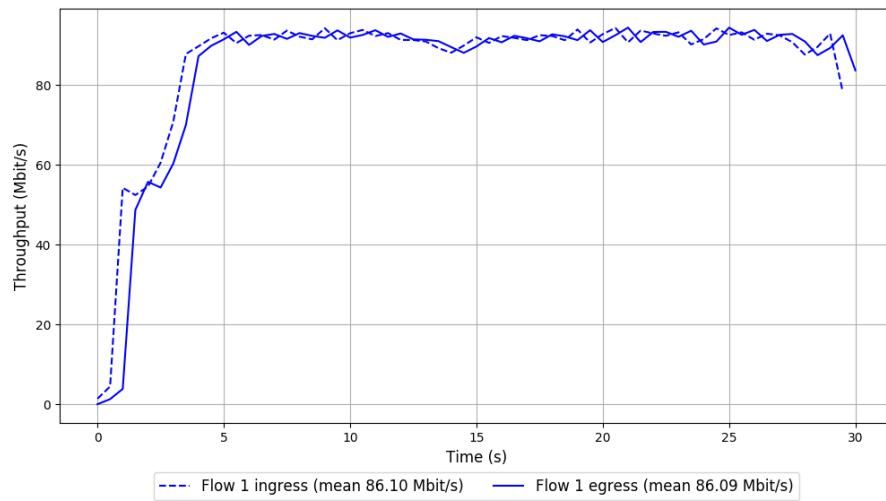


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-11-24 00:01:27
End at: 2019-11-24 00:01:57
Local clock offset: 6.593 ms
Remote clock offset: -4.689 ms

# Below is generated by plot.py at 2019-11-24 00:44:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 27.905 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 27.905 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Vivace — Data Link

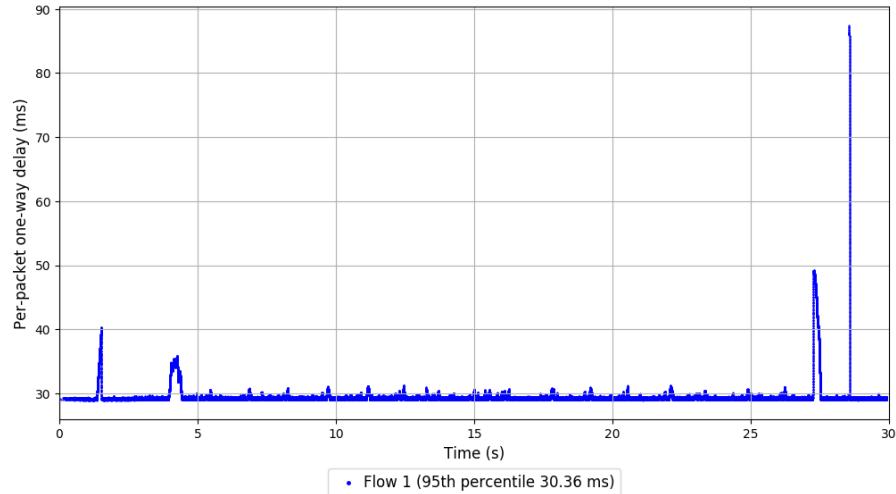
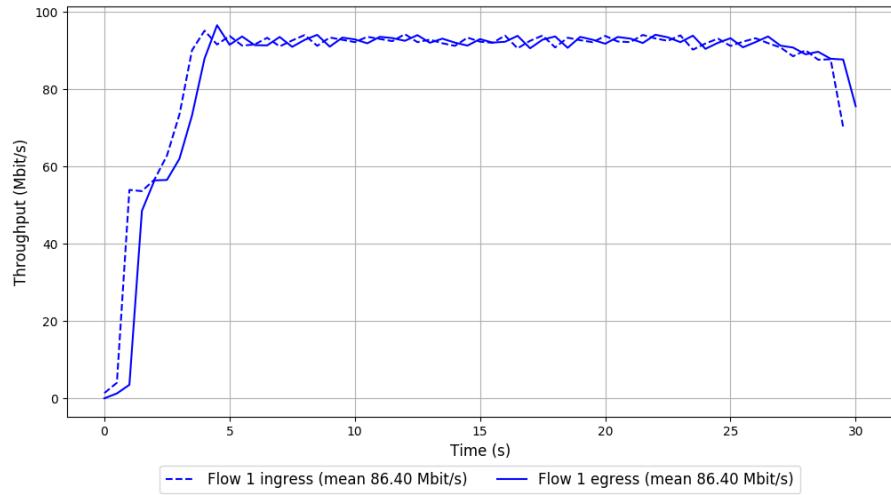


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-11-24 00:29:17
End at: 2019-11-24 00:29:47
Local clock offset: 6.224 ms
Remote clock offset: -3.939 ms

# Below is generated by plot.py at 2019-11-24 00:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 30.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 30.365 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

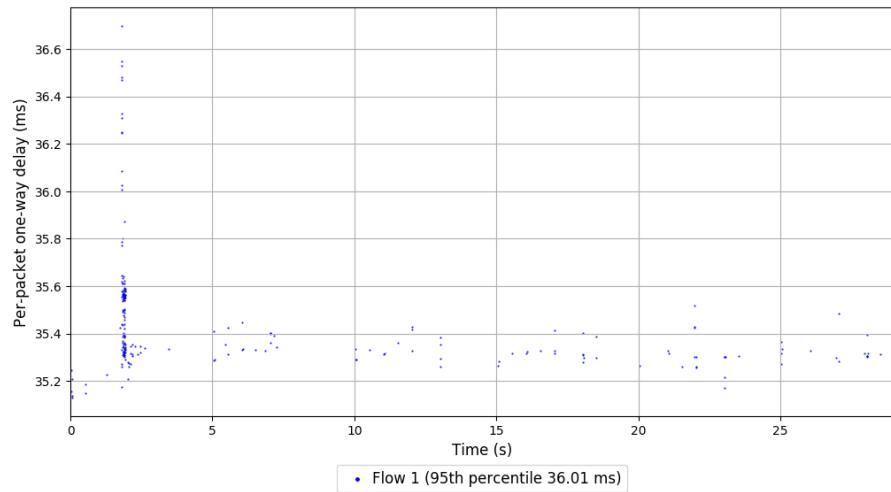
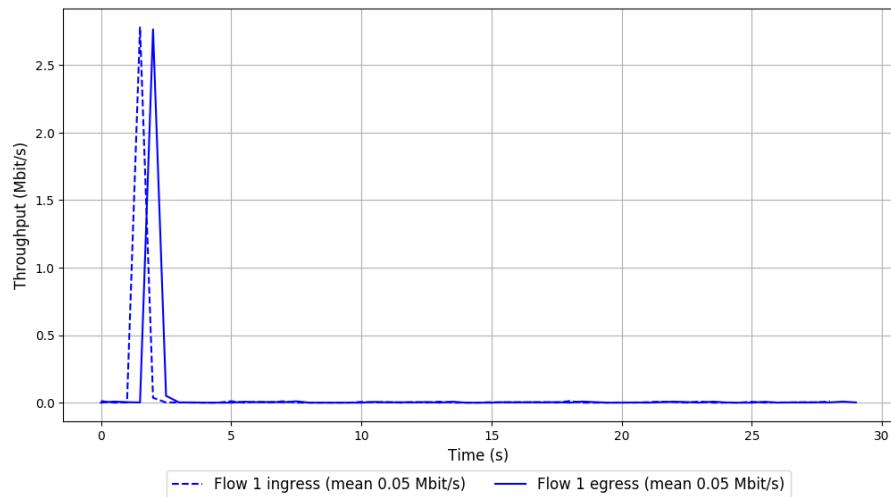


```
Run 1: Statistics of WebRTC media

Start at: 2019-11-23 22:37:05
End at: 2019-11-23 22:37:35
Local clock offset: 1.988 ms
Remote clock offset: 0.115 ms

# Below is generated by plot.py at 2019-11-24 00:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 36.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 36.008 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

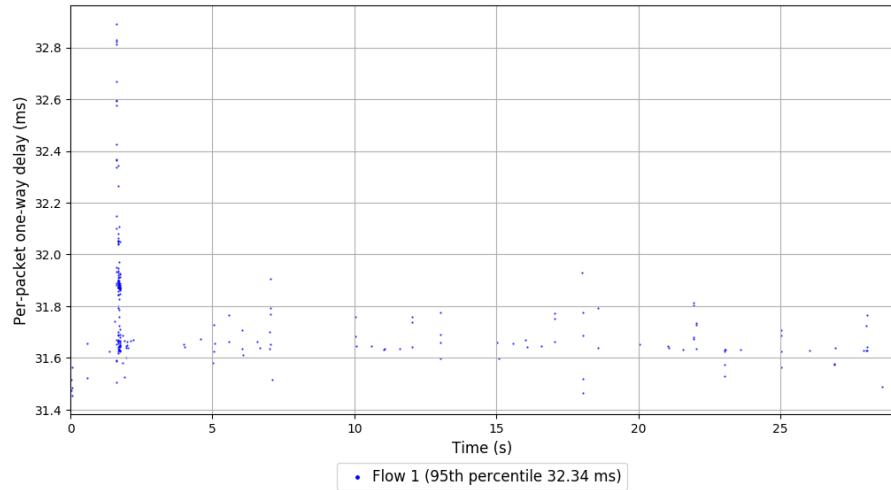
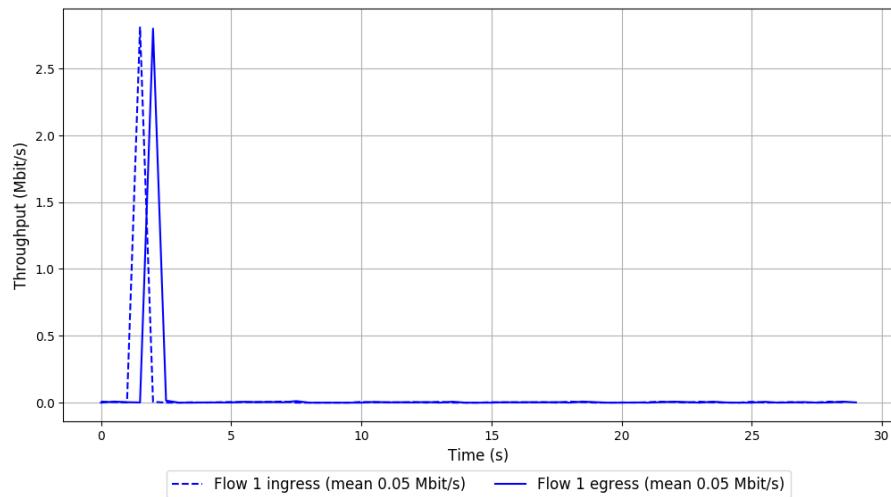


Run 2: Statistics of WebRTC media

```
Start at: 2019-11-23 23:04:33
End at: 2019-11-23 23:05:03
Local clock offset: -0.113 ms
Remote clock offset: -5.123 ms

# Below is generated by plot.py at 2019-11-24 00:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.342 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

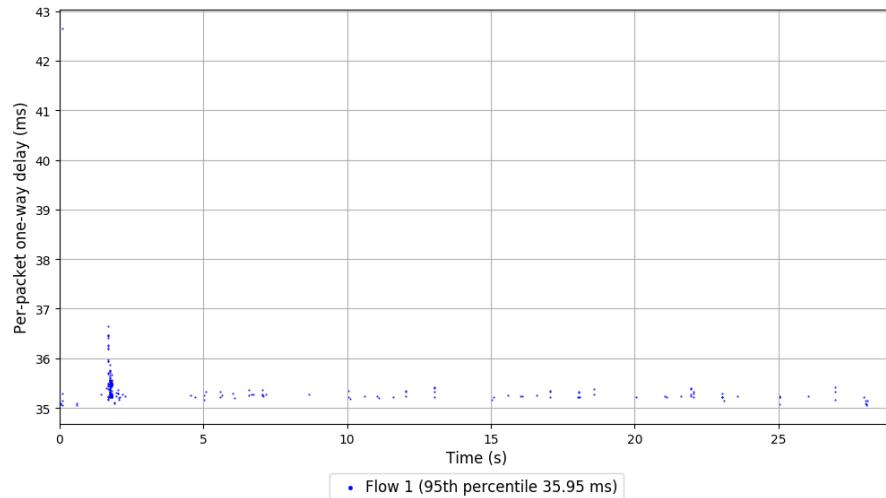
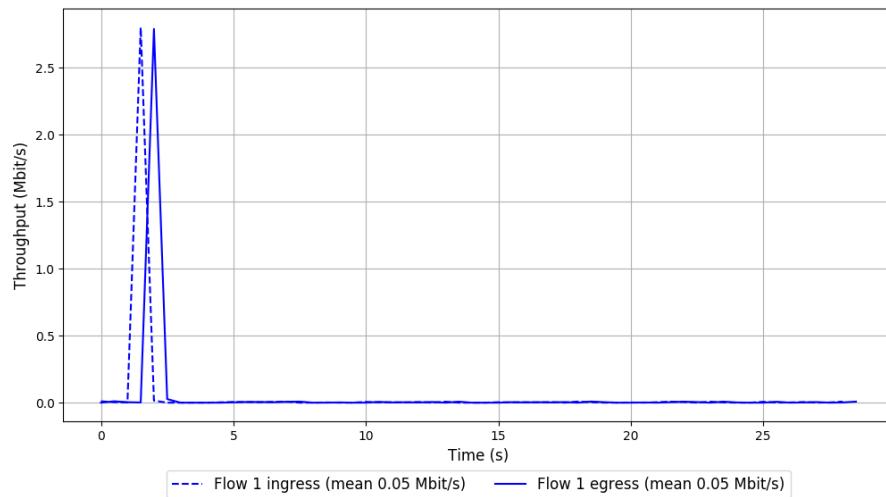


Run 3: Statistics of WebRTC media

```
Start at: 2019-11-23 23:31:51
End at: 2019-11-23 23:32:21
Local clock offset: -0.973 ms
Remote clock offset: -1.829 ms

# Below is generated by plot.py at 2019-11-24 00:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 35.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 35.948 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

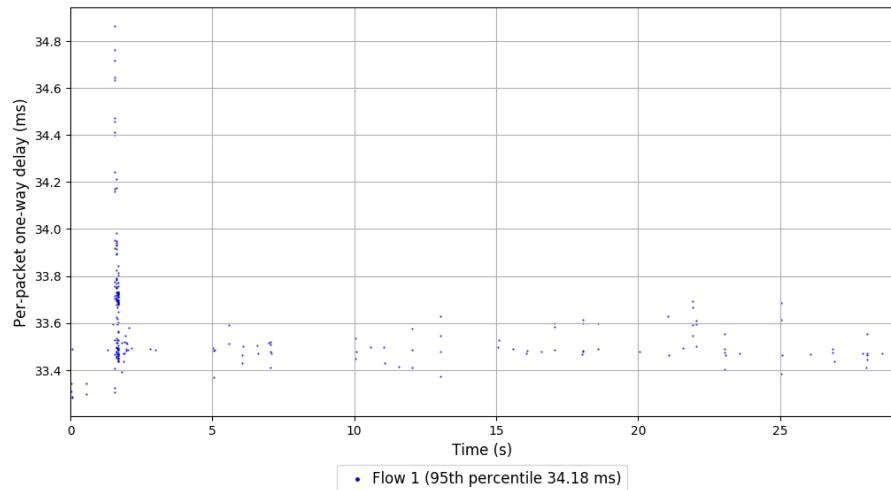
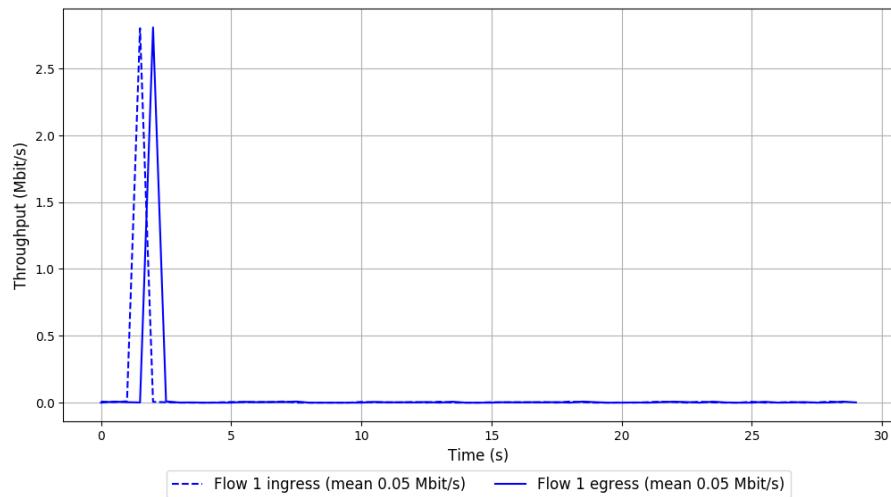


Run 4: Statistics of WebRTC media

```
Start at: 2019-11-23 23:59:16
End at: 2019-11-23 23:59:46
Local clock offset: 1.062 ms
Remote clock offset: -3.653 ms

# Below is generated by plot.py at 2019-11-24 00:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 34.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 34.177 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-11-24 00:27:06
End at: 2019-11-24 00:27:36
Local clock offset: 2.957 ms
Remote clock offset: -2.294 ms

# Below is generated by plot.py at 2019-11-24 00:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 35.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 35.604 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

