

Pantheon Report

Generated at 2019-01-18 22:16:59 (UTC).
Data path: AWS Korea on `ens5` (*local*) → China on `eno1` (*remote*).
Repeated the test of 21 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

System info:

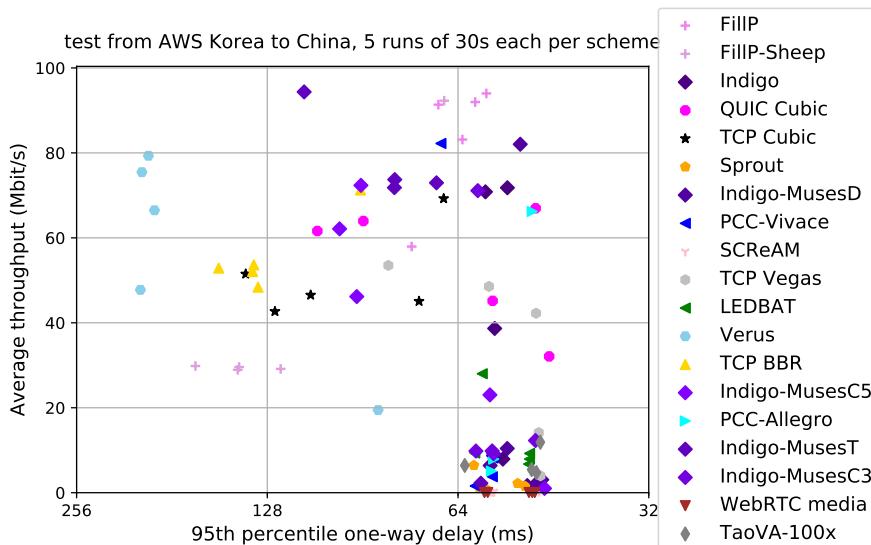
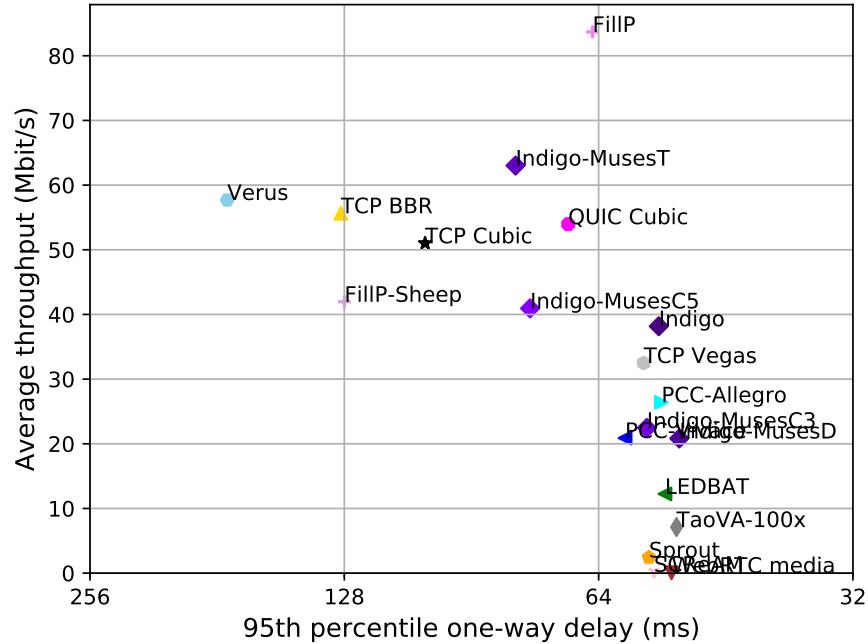
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ c80a283586bf7b0cc1fe08c69c8f60d56498f81c
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ c3eee875824760ec5b2fd207fefef166e1afe2170
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



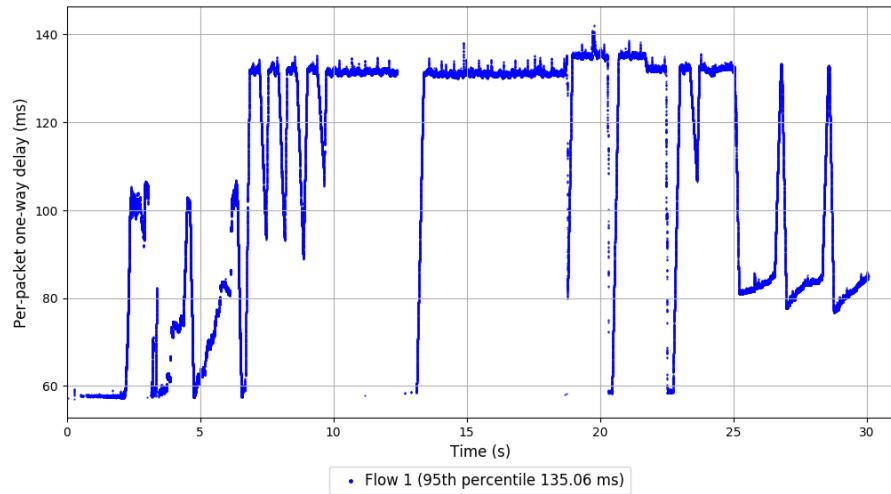
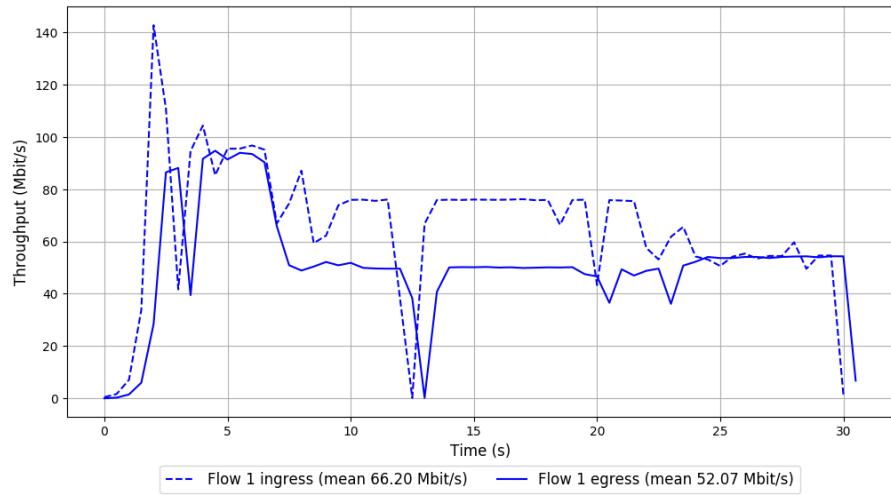
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	55.65	129.17	14.17
Copa	0	N/A	N/A	N/A
TCP Cubic	5	51.00	102.70	1.50
FillP	5	83.68	65.07	1.26
FillP-Sheep	5	41.96	127.96	3.84
Indigo	5	38.18	54.32	2.32
Indigo-MusesC3	5	22.45	56.13	0.03
Indigo-MusesC5	5	40.94	77.15	8.07
Indigo-MusesD	5	20.82	51.37	0.00
Indigo-MusesT	5	63.02	80.26	0.10
LEDBAT	5	12.25	53.42	0.00
PCC-Allegro	3	26.40	53.93	0.65
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	53.96	69.53	0.01
SCReAM	5	0.22	55.04	0.00
Sprout	5	2.42	55.80	0.00
TaoVA-100x	4	7.12	51.76	3.08
TCP Vegas	5	32.49	56.60	0.47
Verus	5	57.70	176.11	33.70
PCC-Vivace	5	20.89	59.56	0.03
WebRTC media	5	0.05	52.46	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-18 19:56:52
End at: 2019-01-18 19:57:22
Local clock offset: 6.886 ms
Remote clock offset: 11.995 ms

# Below is generated by plot.py at 2019-01-18 22:12:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 135.055 ms
Loss rate: 21.36%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 135.055 ms
Loss rate: 21.36%
```

Run 1: Report of TCP BBR — Data Link

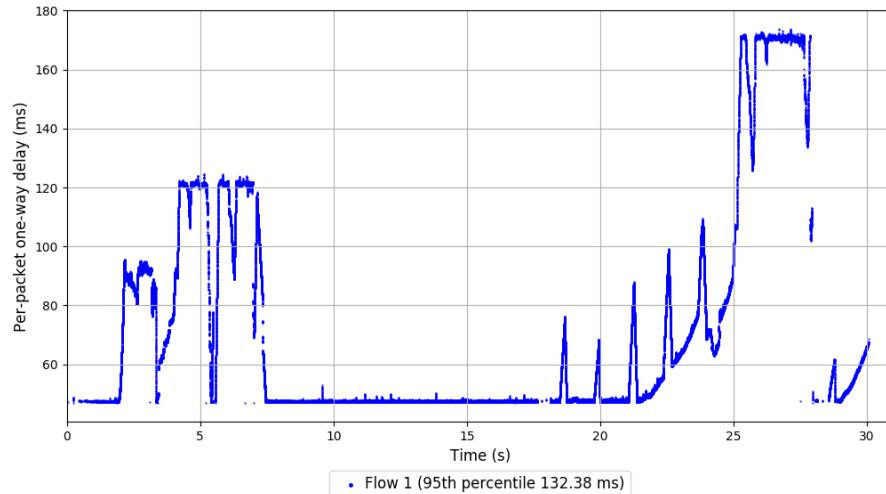
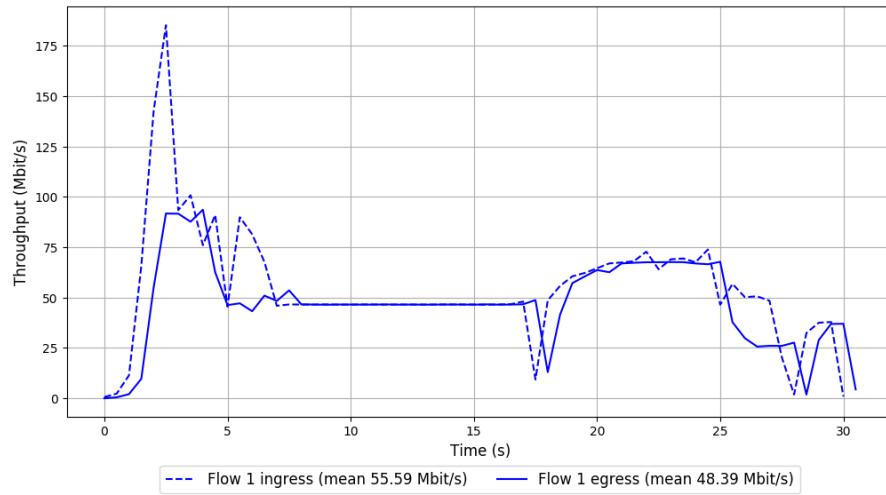


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-18 20:47:24
End at: 2019-01-18 20:47:54
Local clock offset: -0.283 ms
Remote clock offset: -11.377 ms

# Below is generated by plot.py at 2019-01-18 22:12:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 132.375 ms
Loss rate: 12.96%
-- Flow 1:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 132.375 ms
Loss rate: 12.96%
```

Run 2: Report of TCP BBR — Data Link

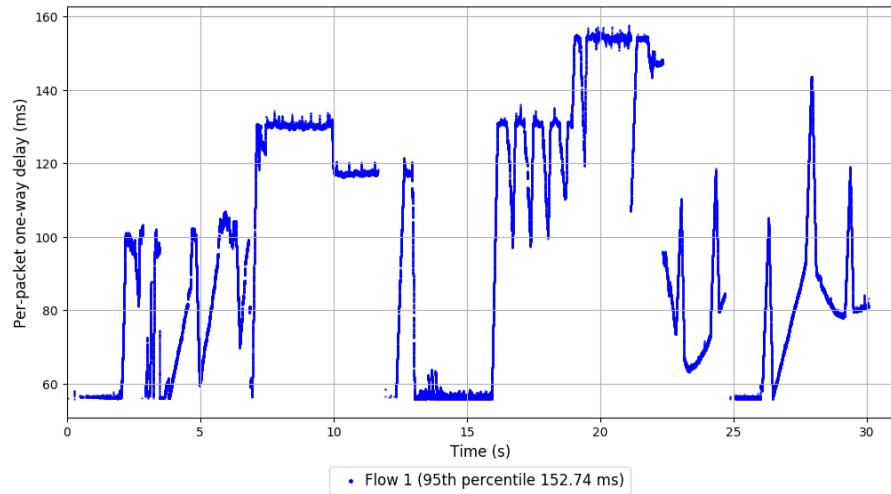
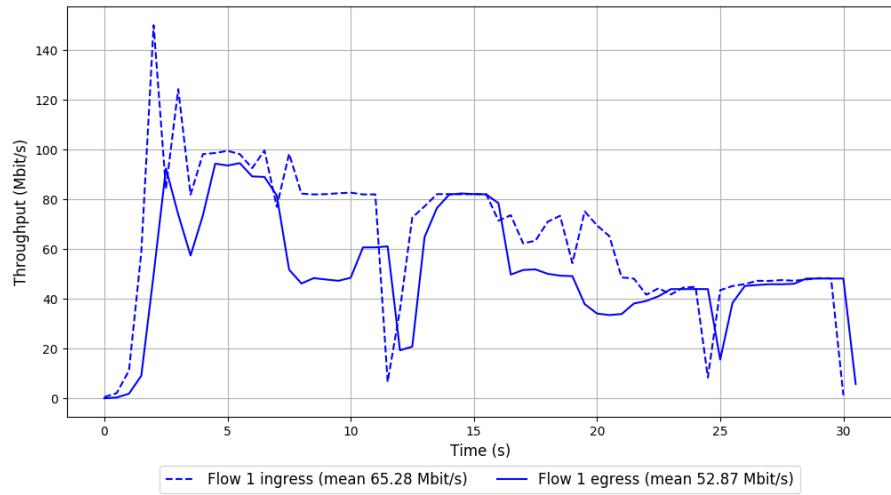


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-18 21:15:18
End at: 2019-01-18 21:15:48
Local clock offset: 0.264 ms
Remote clock offset: 11.407 ms

# Below is generated by plot.py at 2019-01-18 22:12:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 152.740 ms
Loss rate: 19.04%
-- Flow 1:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 152.740 ms
Loss rate: 19.04%
```

Run 3: Report of TCP BBR — Data Link

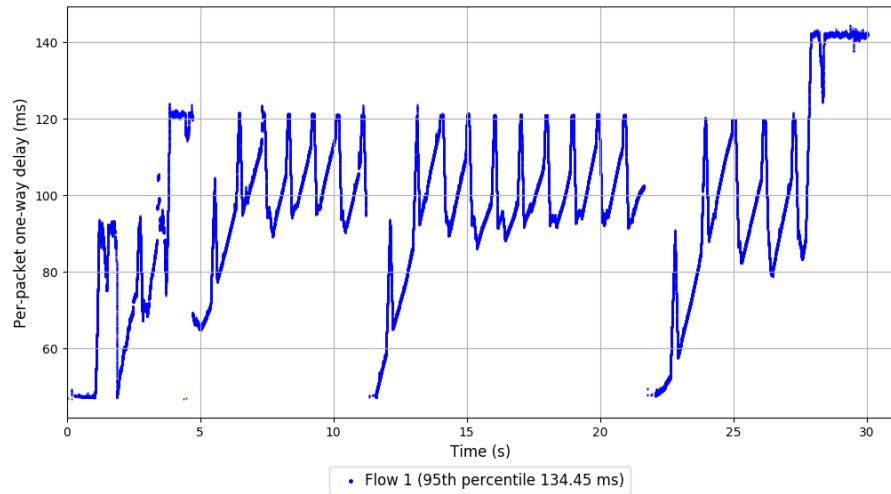
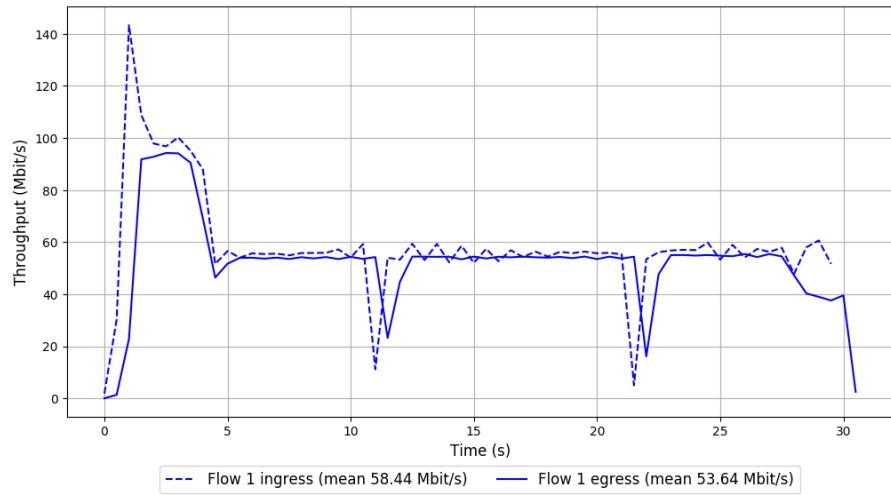


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-18 21:41:24
End at: 2019-01-18 21:41:54
Local clock offset: 3.672 ms
Remote clock offset: 5.94 ms

# Below is generated by plot.py at 2019-01-18 22:12:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 134.451 ms
Loss rate: 8.22%
-- Flow 1:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 134.451 ms
Loss rate: 8.22%
```

Run 4: Report of TCP BBR — Data Link

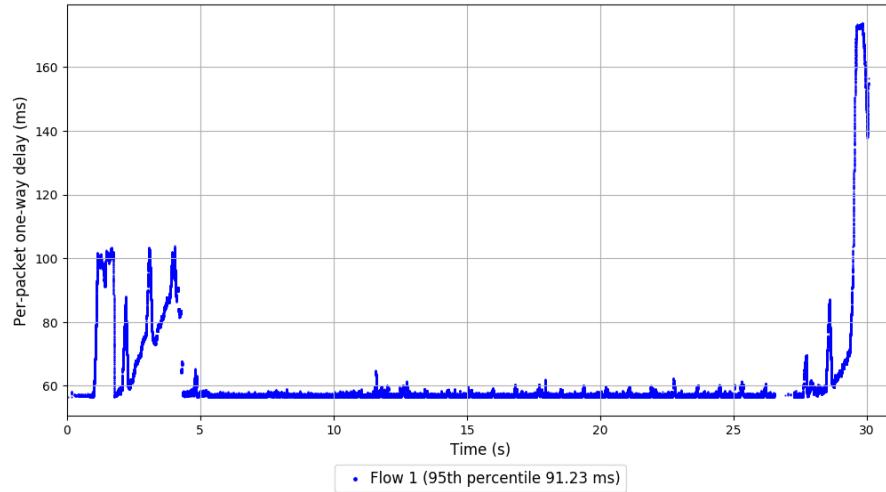
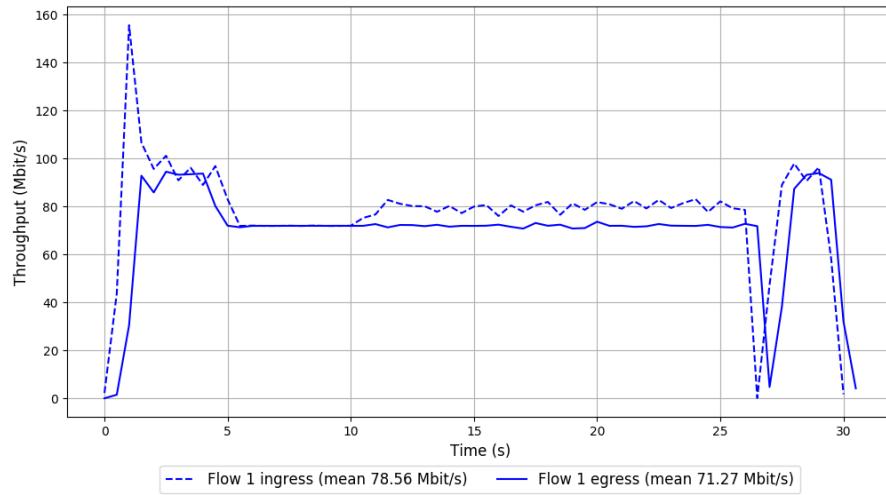


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-18 22:07:43
End at: 2019-01-18 22:08:13
Local clock offset: -0.159 ms
Remote clock offset: 2.421 ms

# Below is generated by plot.py at 2019-01-18 22:12:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.27 Mbit/s
95th percentile per-packet one-way delay: 91.229 ms
Loss rate: 9.29%
-- Flow 1:
Average throughput: 71.27 Mbit/s
95th percentile per-packet one-way delay: 91.229 ms
Loss rate: 9.29%
```

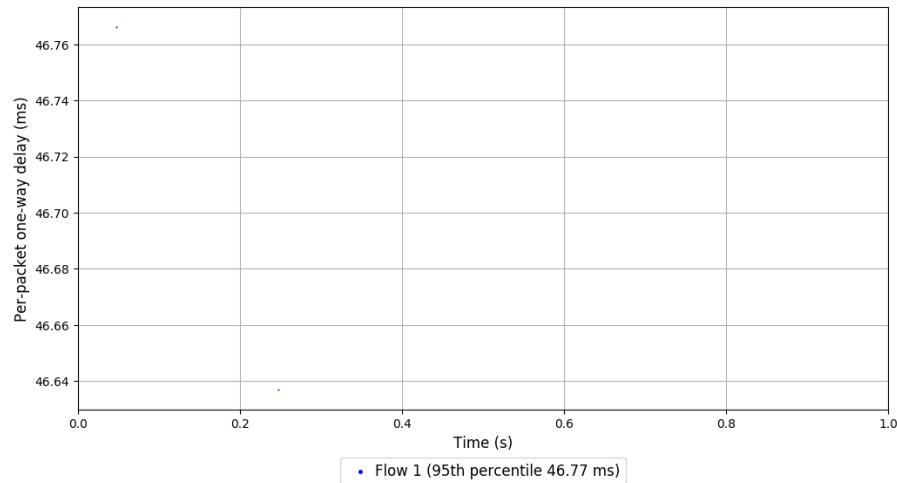
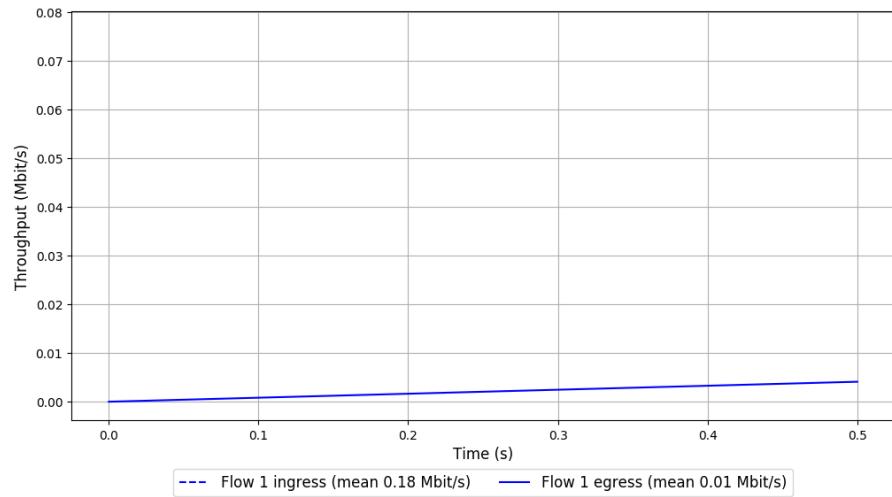
Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-01-18 19:18:38
End at: 2019-01-18 19:19:08
Local clock offset: 4.385 ms
Remote clock offset: 62.983 ms

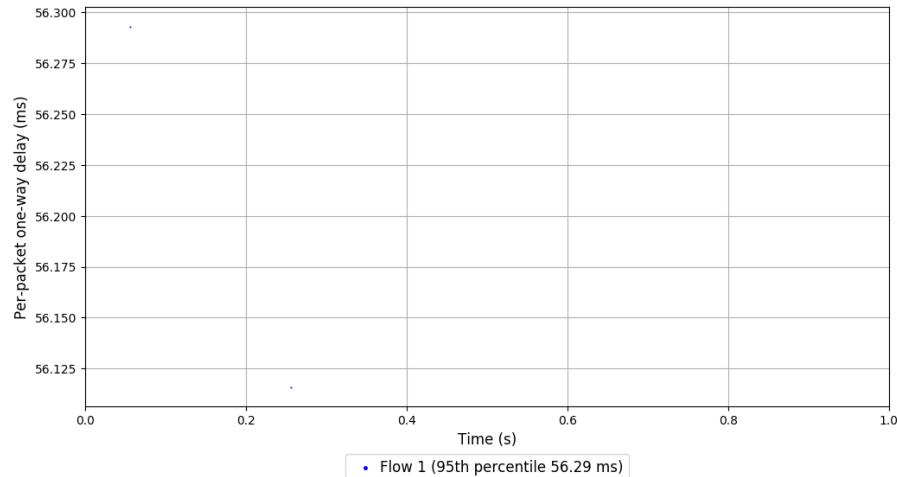
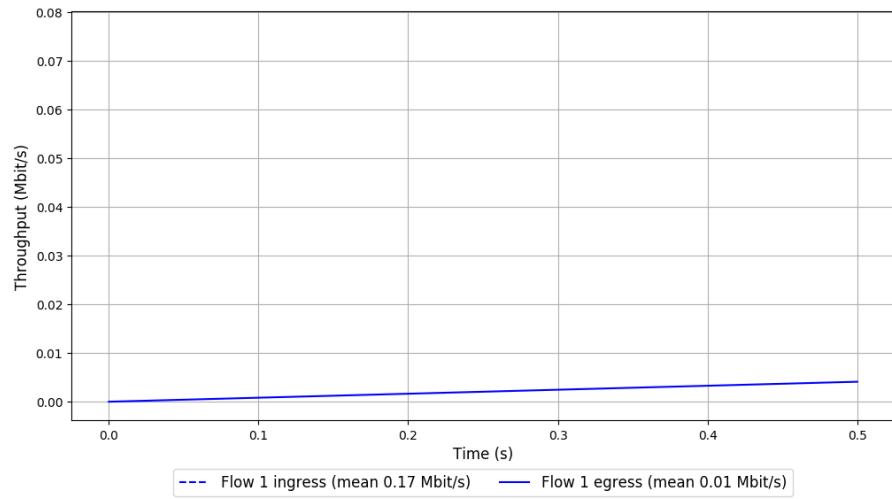
Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-01-18 20:28:18
End at: 2019-01-18 20:28:48
Local clock offset: 2.276 ms
Remote clock offset: -11.221 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

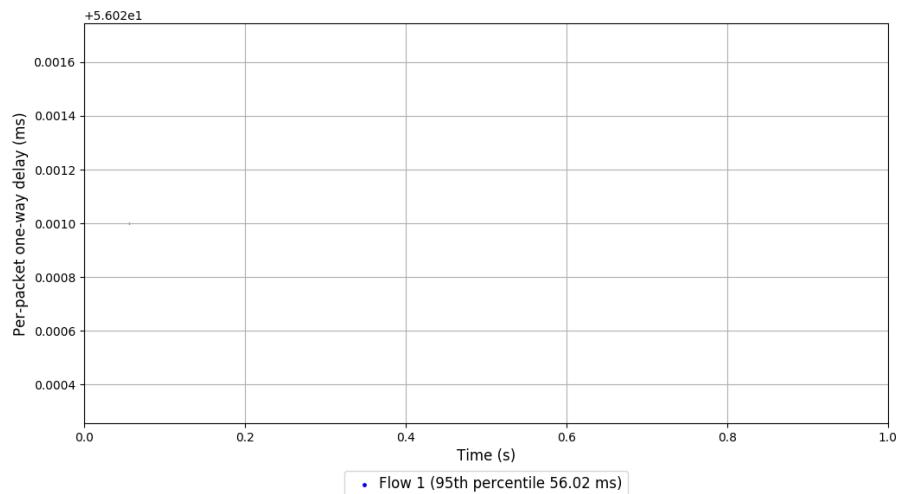
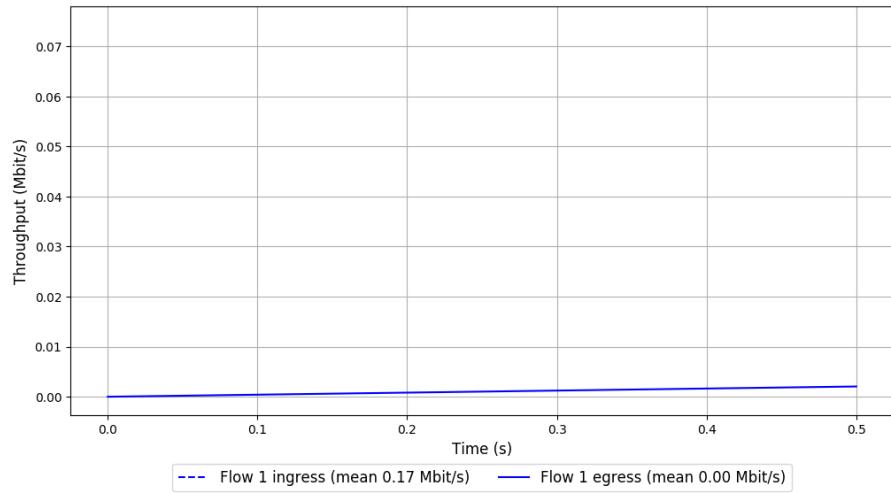
Start at: 2019-01-18 21:03:03

End at: 2019-01-18 21:03:33

Local clock offset: 0.527 ms

Remote clock offset: 4.636 ms

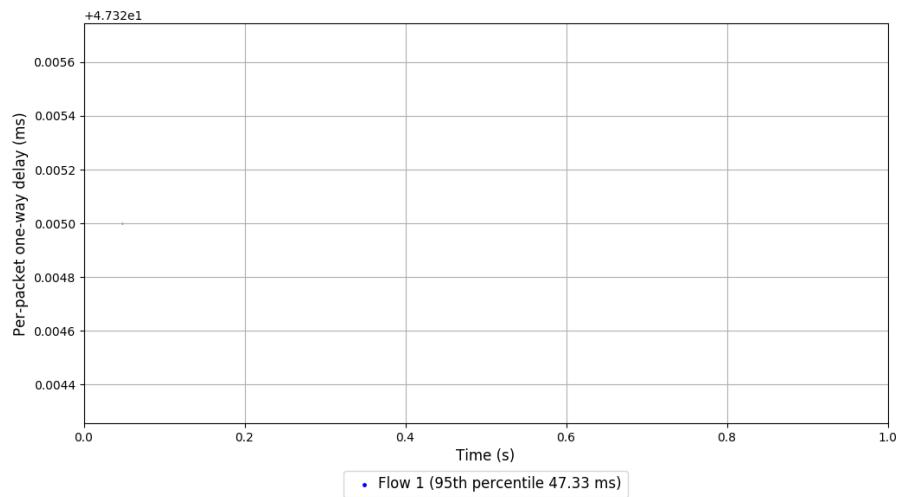
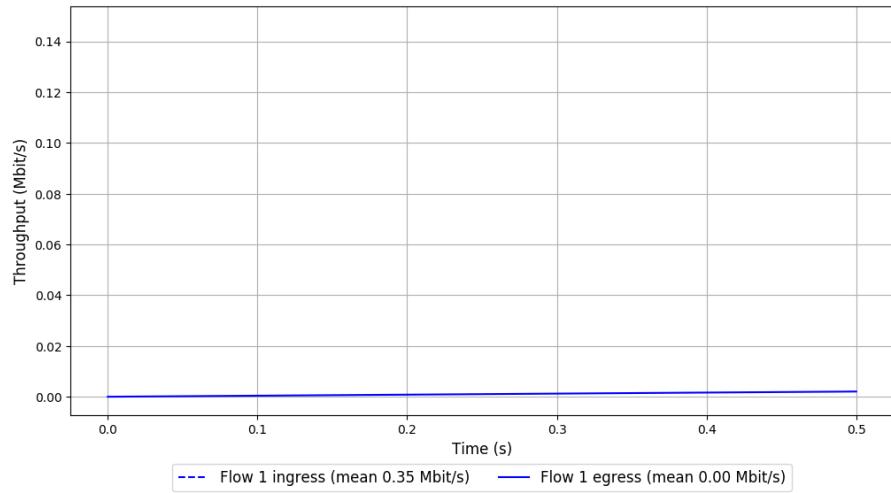
Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-01-18 21:28:34
End at: 2019-01-18 21:29:04
Local clock offset: 2.748 ms
Remote clock offset: 12.246 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

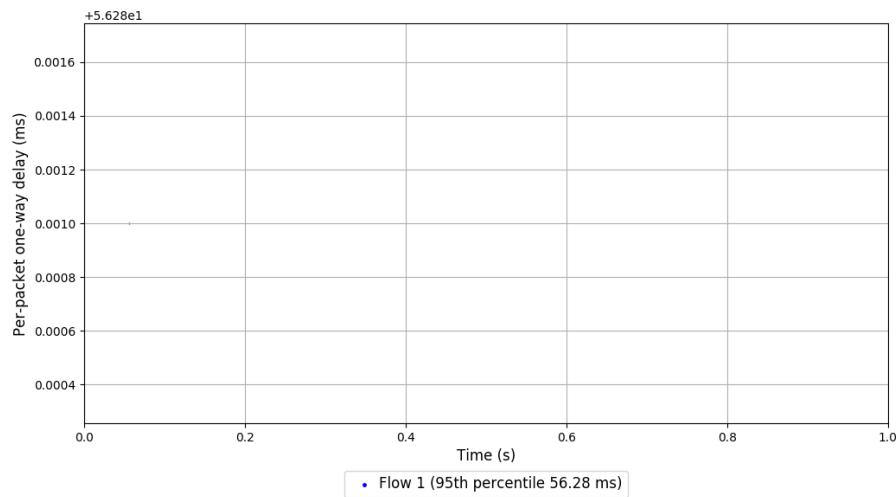
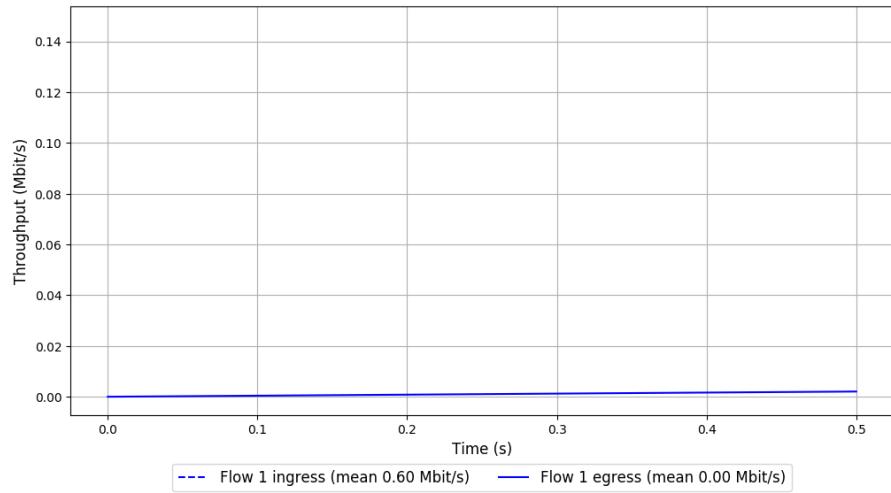
Start at: 2019-01-18 21:55:06

End at: 2019-01-18 21:55:36

Local clock offset: 1.565 ms

Remote clock offset: 3.482 ms

Run 5: Report of Copa — Data Link

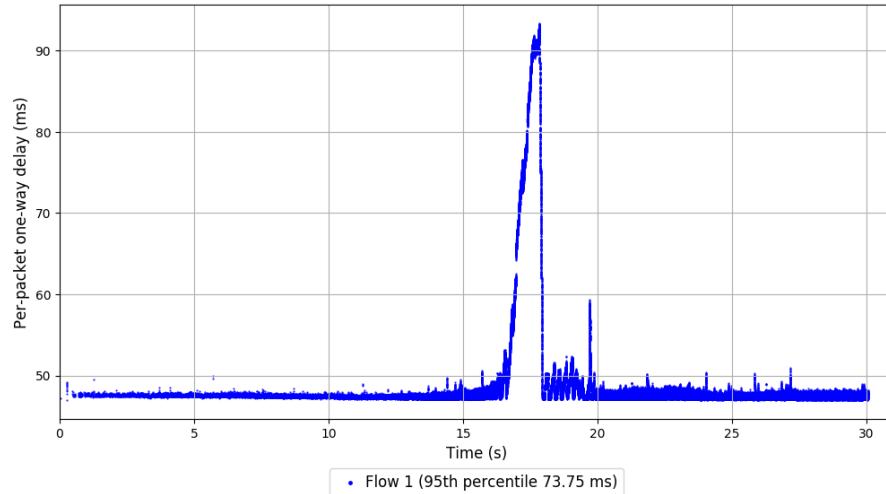
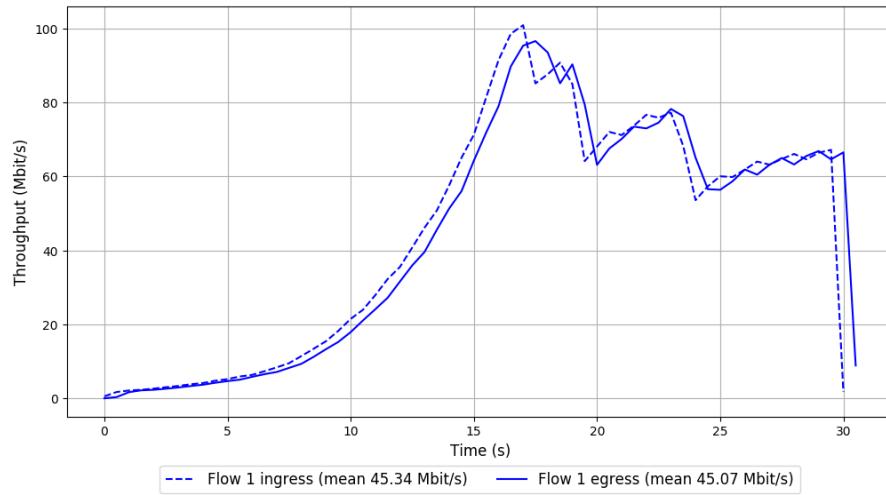


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-18 19:09:31
End at: 2019-01-18 19:10:01
Local clock offset: 3.464 ms
Remote clock offset: 52.819 ms

# Below is generated by plot.py at 2019-01-18 22:12:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 73.747 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 73.747 ms
Loss rate: 0.60%
```

Run 1: Report of TCP Cubic — Data Link

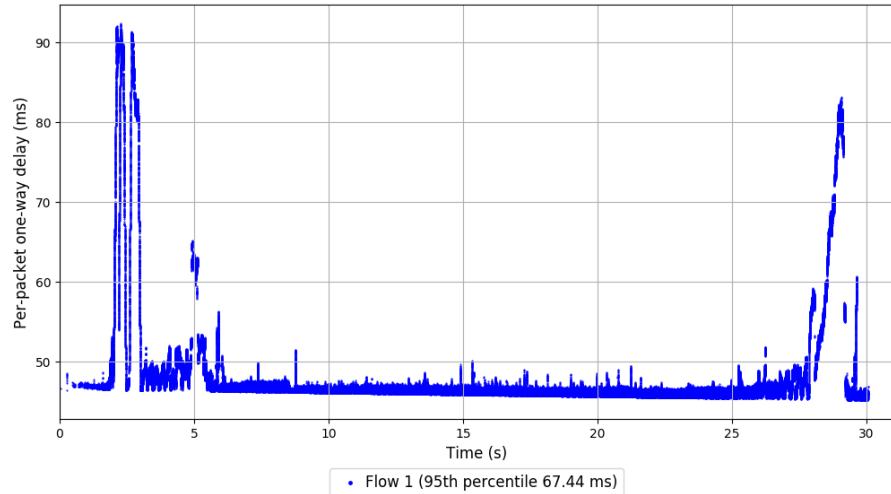
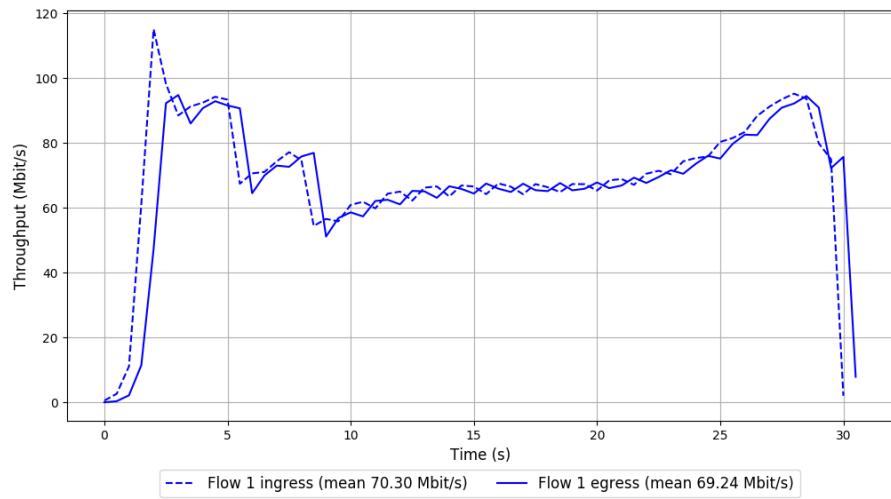


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-18 20:22:10
End at: 2019-01-18 20:22:40
Local clock offset: 4.624 ms
Remote clock offset: -20.976 ms

# Below is generated by plot.py at 2019-01-18 22:12:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 67.435 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 67.435 ms
Loss rate: 1.50%
```

Run 2: Report of TCP Cubic — Data Link

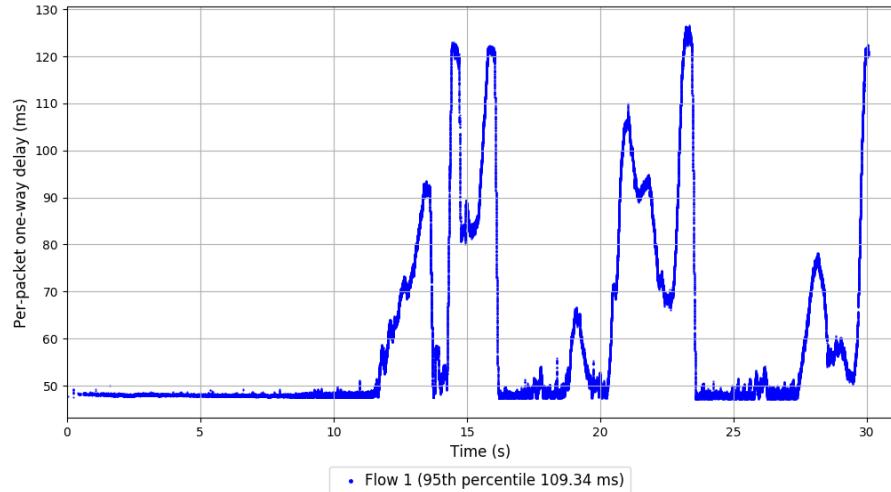
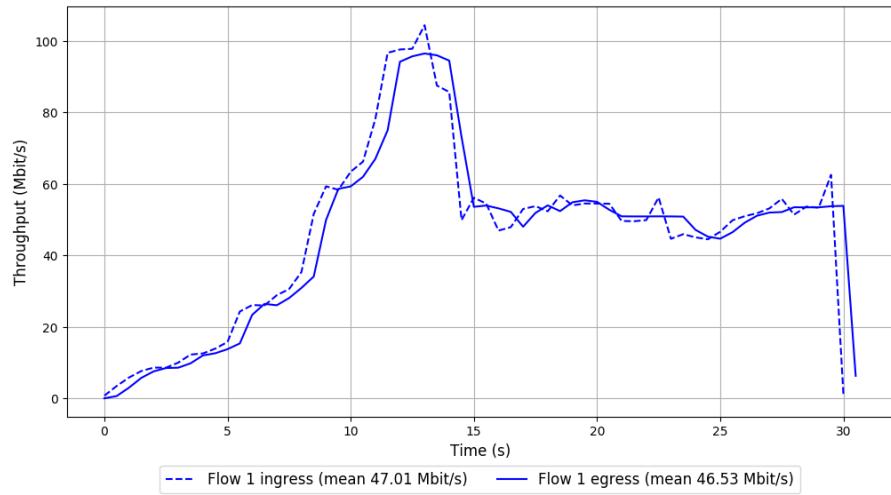


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2019-01-18 21:00:17
End at: 2019-01-18 21:00:47
Local clock offset: 0.27 ms
Remote clock offset: 1.832 ms

# Below is generated by plot.py at 2019-01-18 22:12:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 109.344 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 109.344 ms
Loss rate: 1.02%
```

Run 3: Report of TCP Cubic — Data Link

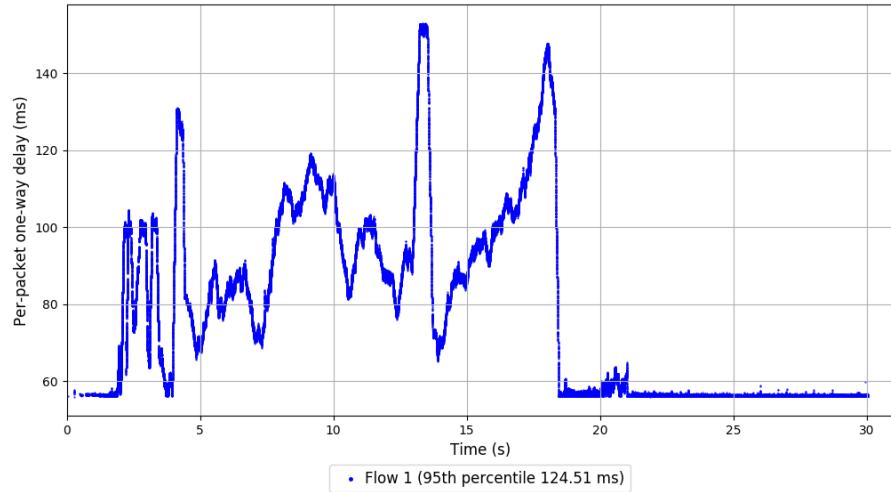
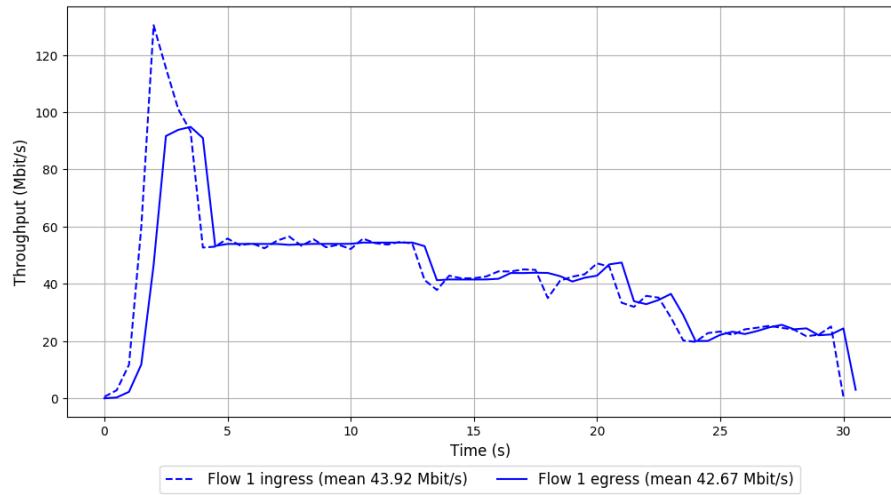


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-18 21:26:09
End at: 2019-01-18 21:26:39
Local clock offset: 2.498 ms
Remote clock offset: 13.022 ms

# Below is generated by plot.py at 2019-01-18 22:12:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.67 Mbit/s
95th percentile per-packet one-way delay: 124.509 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 42.67 Mbit/s
95th percentile per-packet one-way delay: 124.509 ms
Loss rate: 2.87%
```

Run 4: Report of TCP Cubic — Data Link

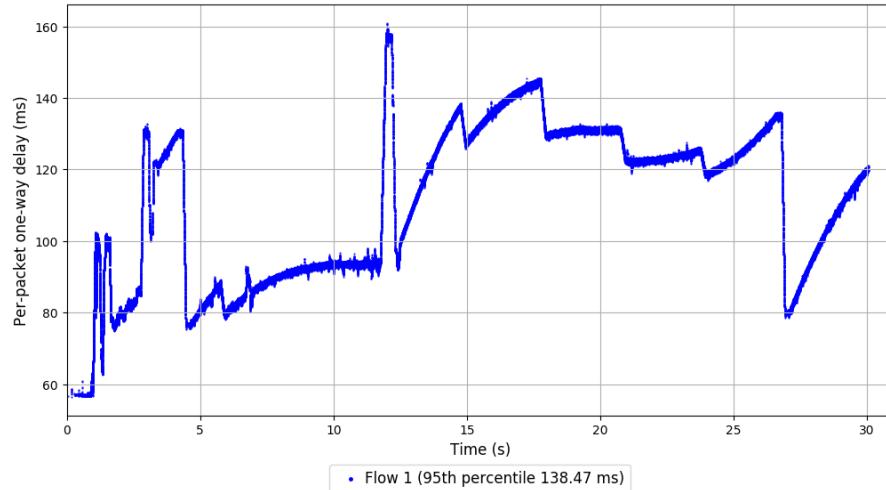
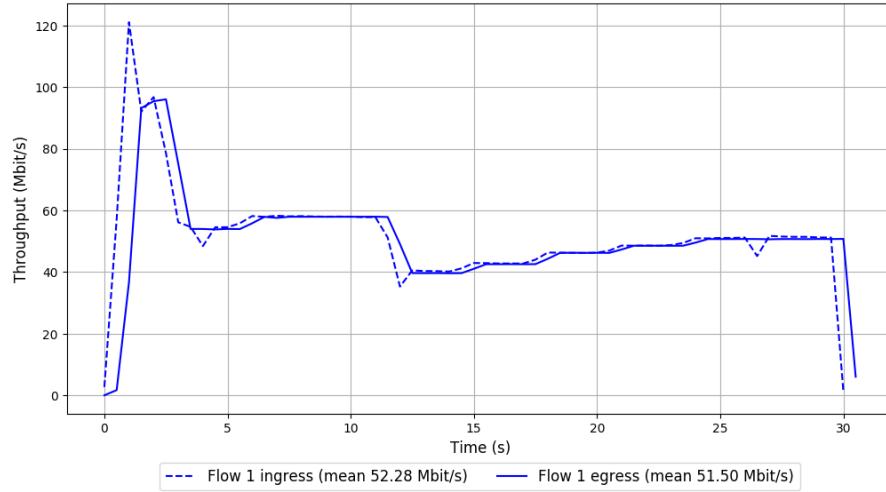


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-18 21:52:25
End at: 2019-01-18 21:52:55
Local clock offset: 2.107 ms
Remote clock offset: 4.061 ms

# Below is generated by plot.py at 2019-01-18 22:12:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 138.468 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 138.468 ms
Loss rate: 1.52%
```

Run 5: Report of TCP Cubic — Data Link

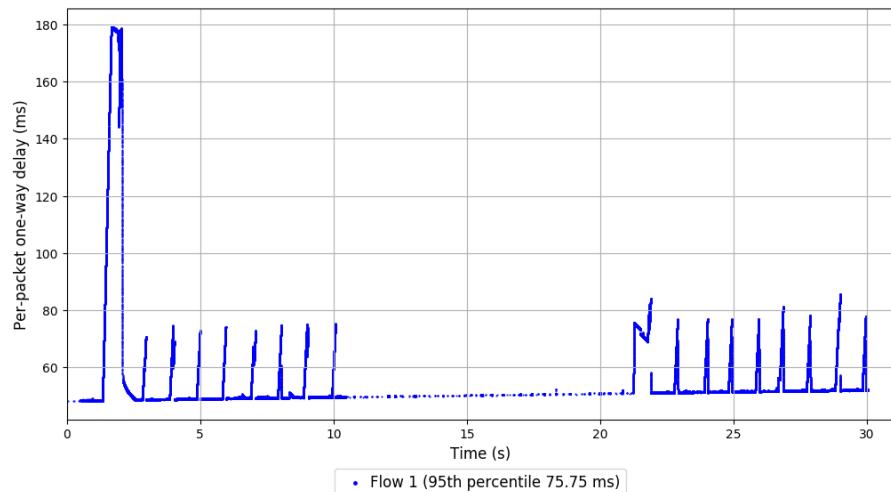
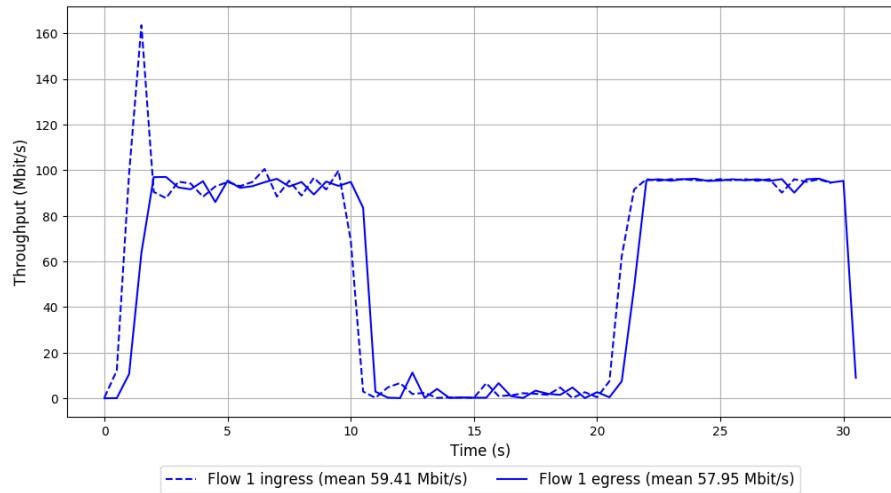


```
Run 1: Statistics of FillP

Start at: 2019-01-18 19:47:13
End at: 2019-01-18 19:47:43
Local clock offset: 6.434 ms
Remote clock offset: 60.695 ms

# Below is generated by plot.py at 2019-01-18 22:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 75.746 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 75.746 ms
Loss rate: 2.45%
```

Run 1: Report of FillP — Data Link

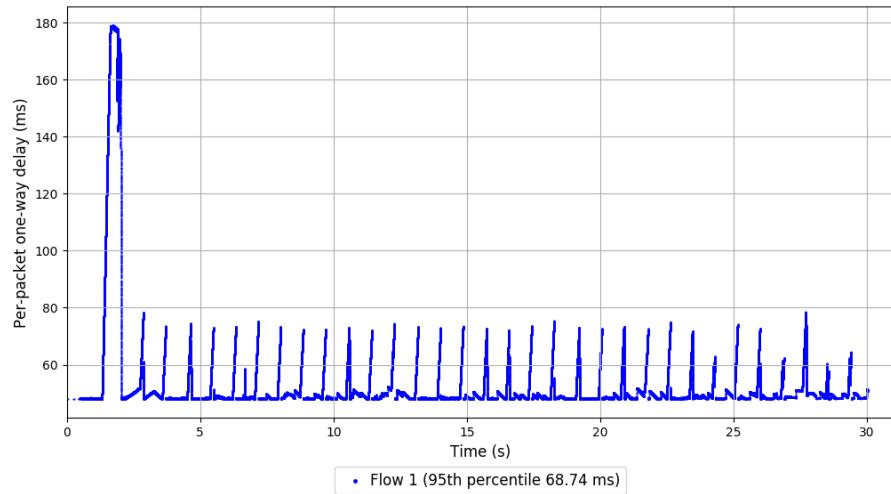
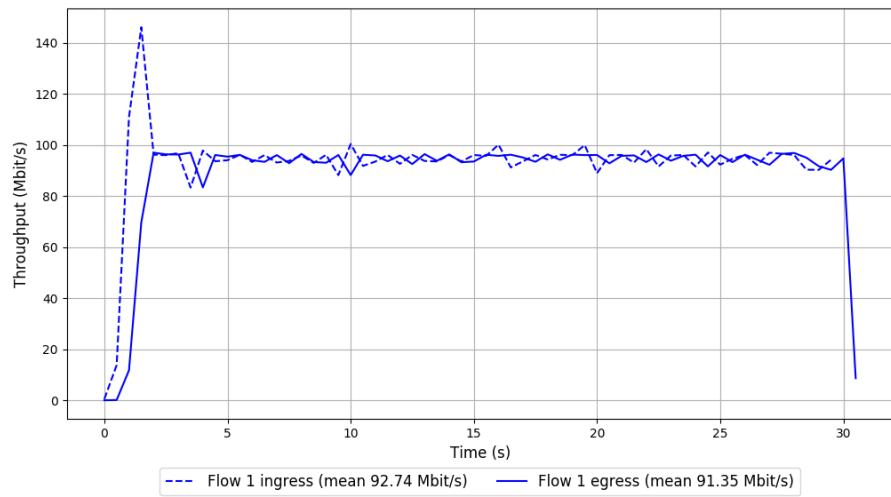


Run 2: Statistics of FillP

```
Start at: 2019-01-18 20:42:37
End at: 2019-01-18 20:43:07
Local clock offset: -0.113 ms
Remote clock offset: -8.427 ms

# Below is generated by plot.py at 2019-01-18 22:13:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 68.744 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 68.744 ms
Loss rate: 1.49%
```

Run 2: Report of FillP — Data Link

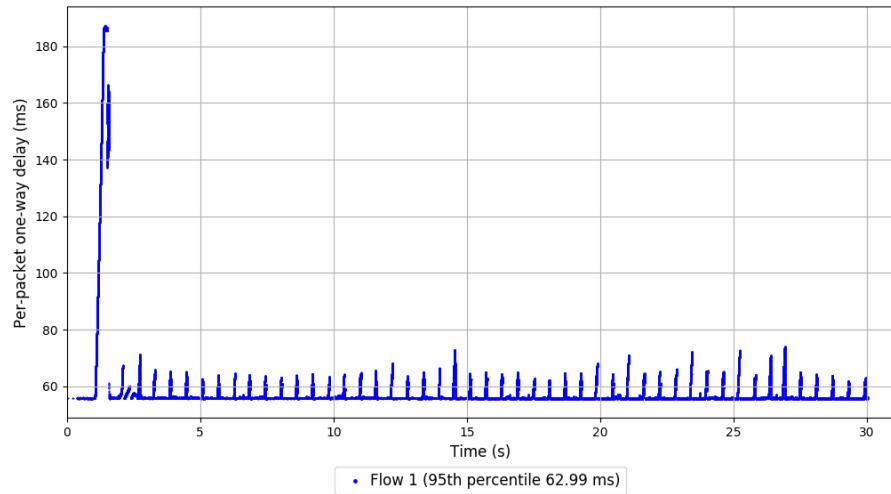
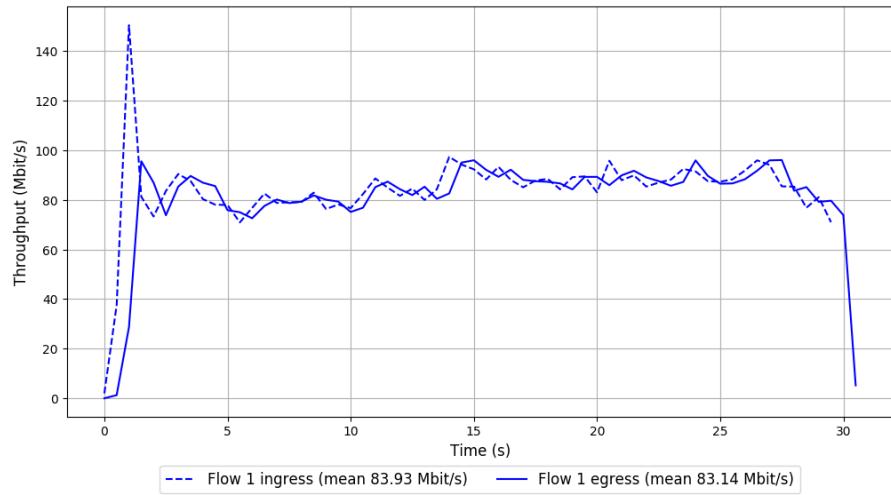


```
Run 3: Statistics of FillP
```

```
Start at: 2019-01-18 21:11:42
End at: 2019-01-18 21:12:12
Local clock offset: 0.328 ms
Remote clock offset: 10.231 ms

# Below is generated by plot.py at 2019-01-18 22:13:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 62.992 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 62.992 ms
Loss rate: 0.97%
```

Run 3: Report of FillP — Data Link

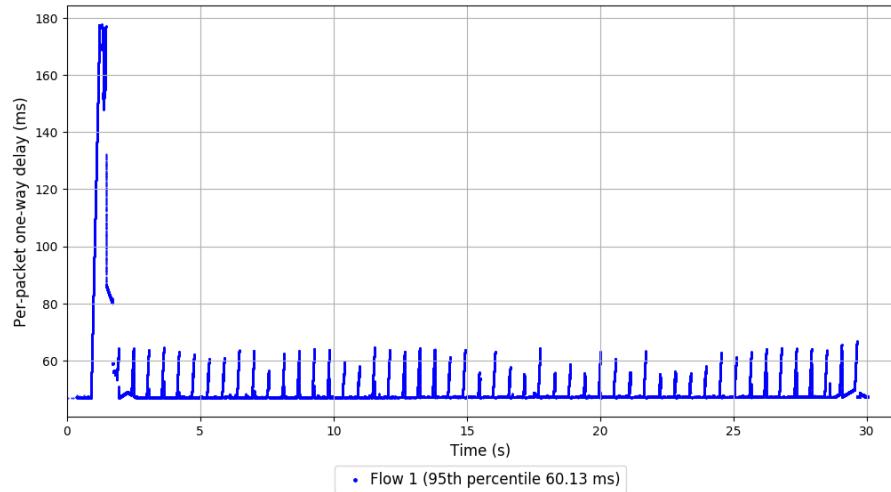
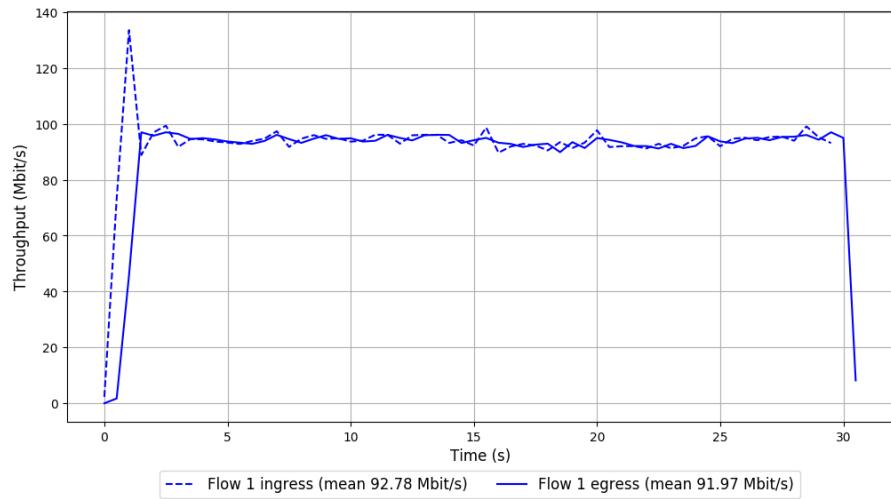


Run 4: Statistics of FillP

```
Start at: 2019-01-18 21:37:53
End at: 2019-01-18 21:38:23
Local clock offset: 3.384 ms
Remote clock offset: 6.992 ms

# Below is generated by plot.py at 2019-01-18 22:13:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 60.127 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 60.127 ms
Loss rate: 0.87%
```

Run 4: Report of FillP — Data Link

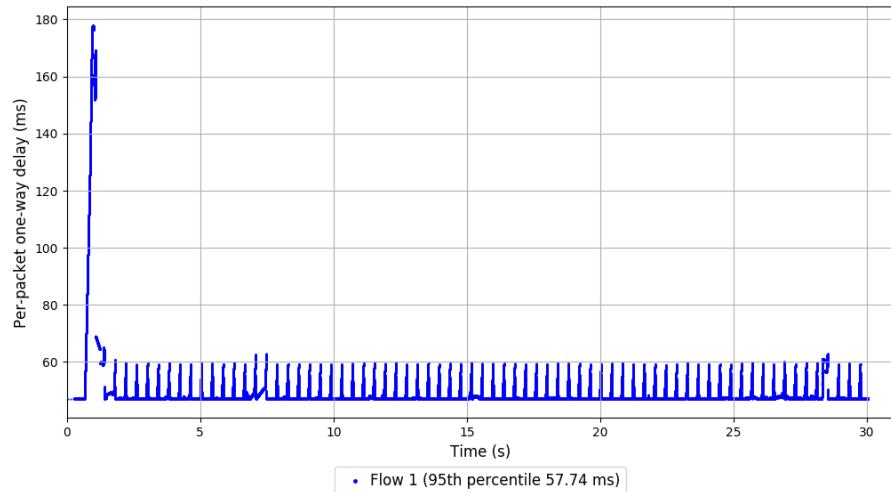
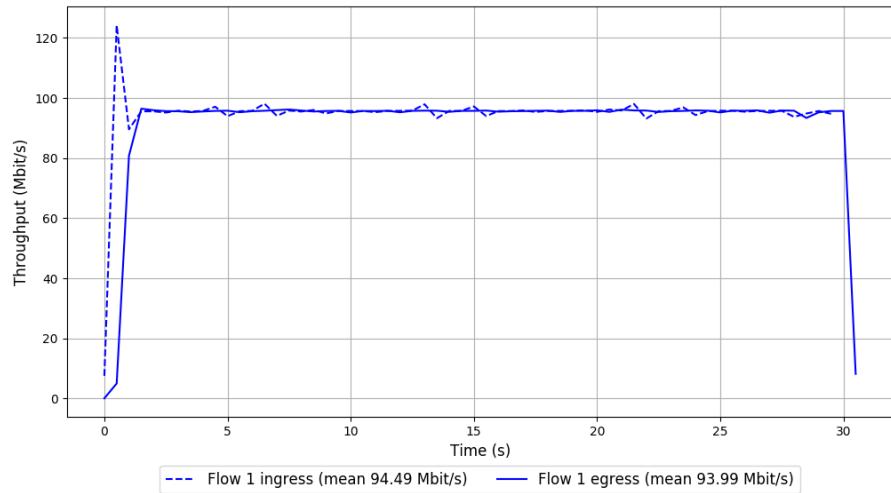


Run 5: Statistics of FillP

```
Start at: 2019-01-18 22:03:27
End at: 2019-01-18 22:03:57
Local clock offset: 0.063 ms
Remote clock offset: 2.787 ms

# Below is generated by plot.py at 2019-01-18 22:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 57.740 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 57.740 ms
Loss rate: 0.52%
```

Run 5: Report of FillP — Data Link

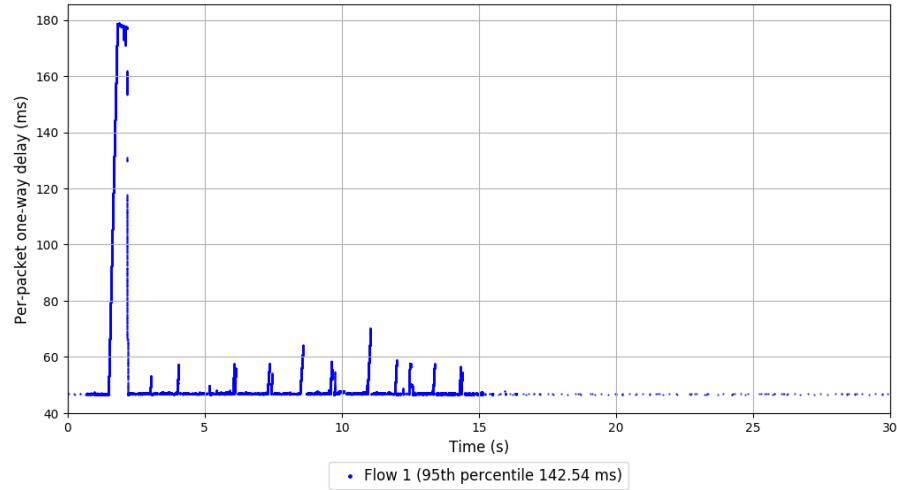
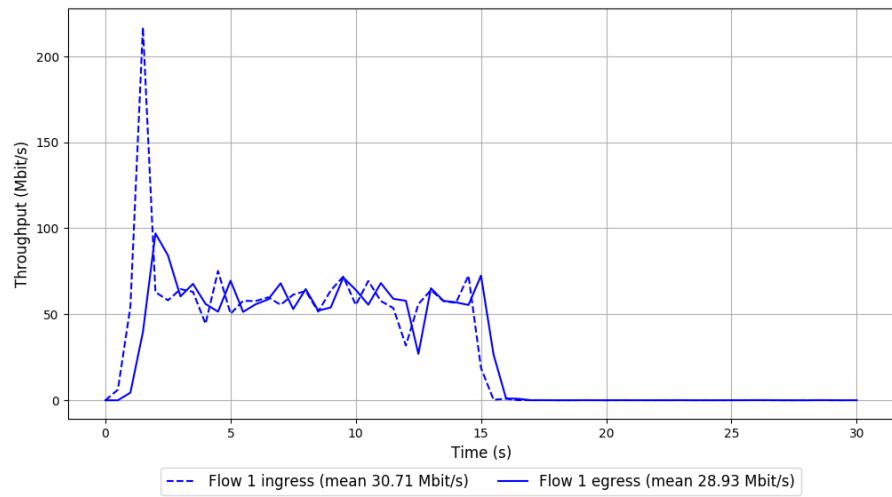


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-18 19:04:54
End at: 2019-01-18 19:05:24
Local clock offset: 2.868 ms
Remote clock offset: 50.762 ms

# Below is generated by plot.py at 2019-01-18 22:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 142.543 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 142.543 ms
Loss rate: 5.79%
```

Run 1: Report of FillP-Sheep — Data Link

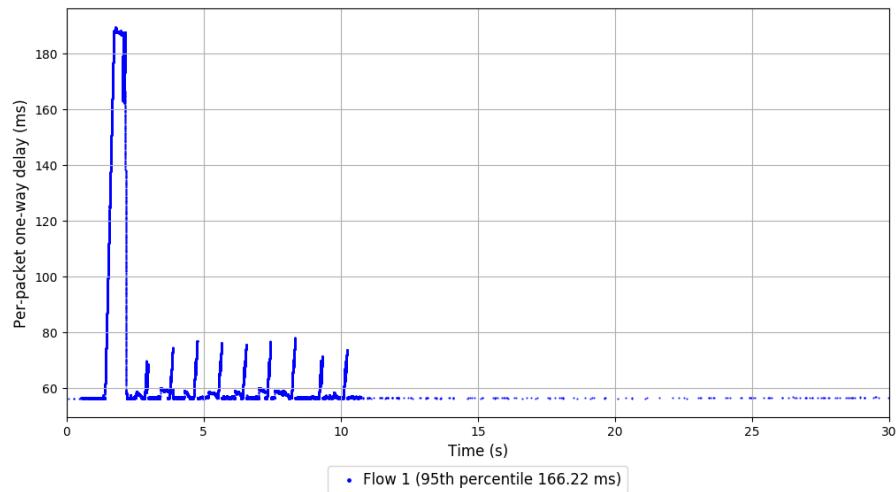
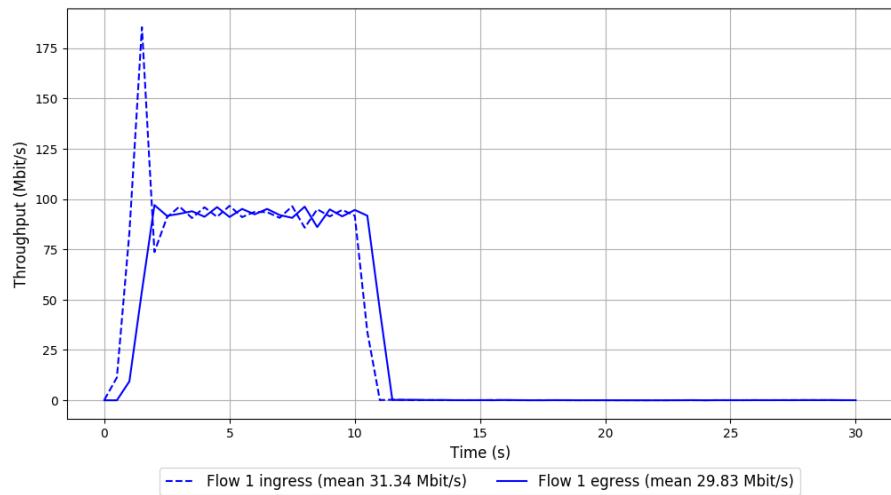


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-18 20:18:04
End at: 2019-01-18 20:18:34
Local clock offset: 7.143 ms
Remote clock offset: -28.885 ms

# Below is generated by plot.py at 2019-01-18 22:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 166.220 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 166.220 ms
Loss rate: 4.83%
```

Run 2: Report of FillP-Sheep — Data Link

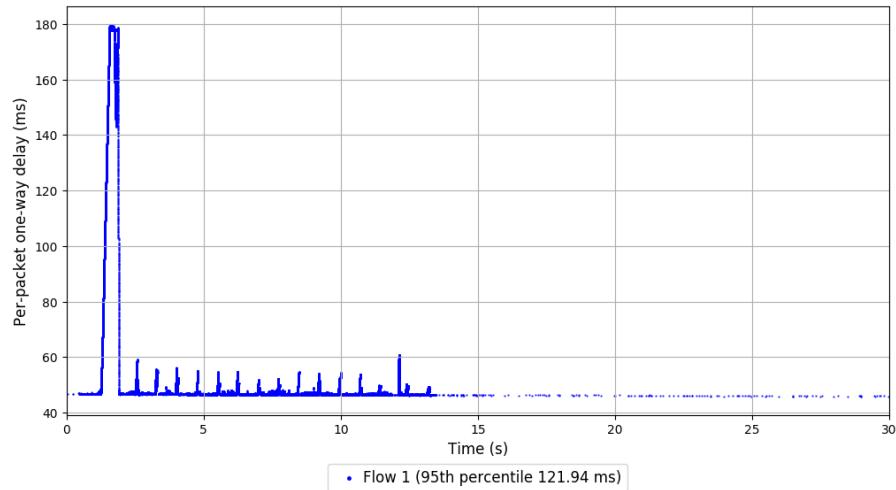
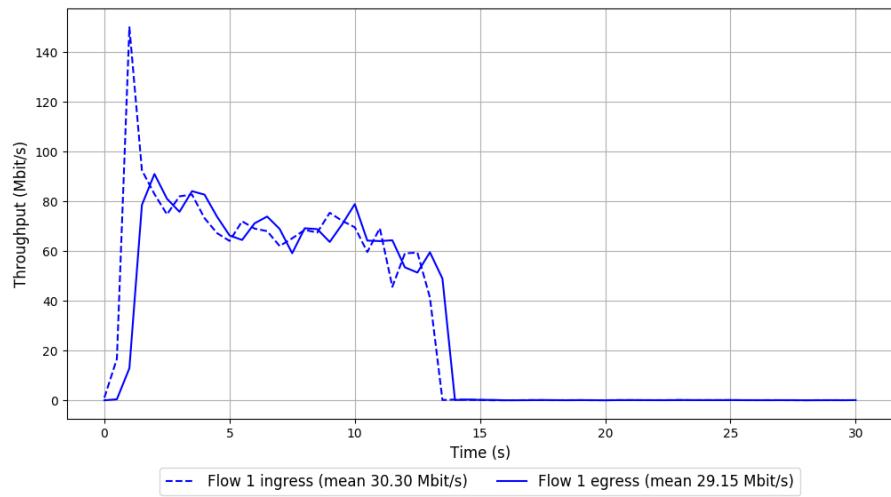


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-18 20:57:52
End at: 2019-01-18 20:58:22
Local clock offset: 0.542 ms
Remote clock offset: -2.547 ms

# Below is generated by plot.py at 2019-01-18 22:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 121.937 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 121.937 ms
Loss rate: 3.82%
```

Run 3: Report of FillP-Sheep — Data Link

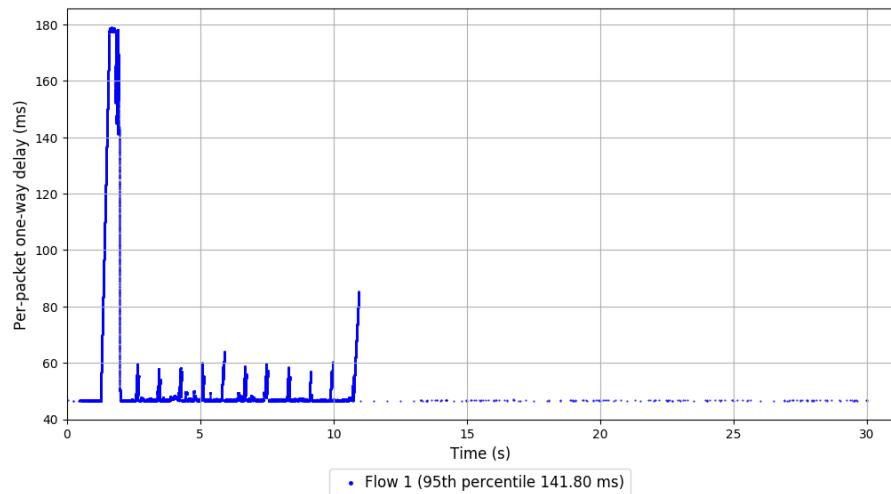
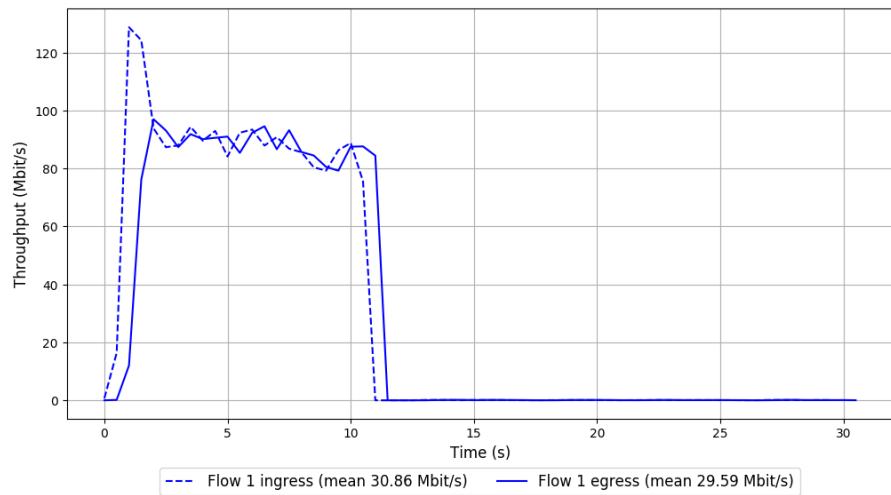


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-18 21:23:48
End at: 2019-01-18 21:24:18
Local clock offset: 2.156 ms
Remote clock offset: 12.809 ms

# Below is generated by plot.py at 2019-01-18 22:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 141.802 ms
Loss rate: 4.13%
-- Flow 1:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 141.802 ms
Loss rate: 4.13%
```

Run 4: Report of FillP-Sheep — Data Link

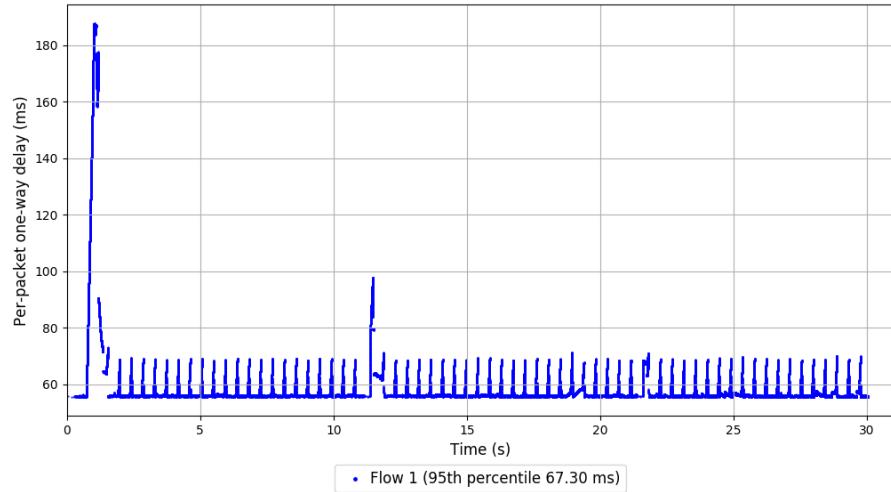
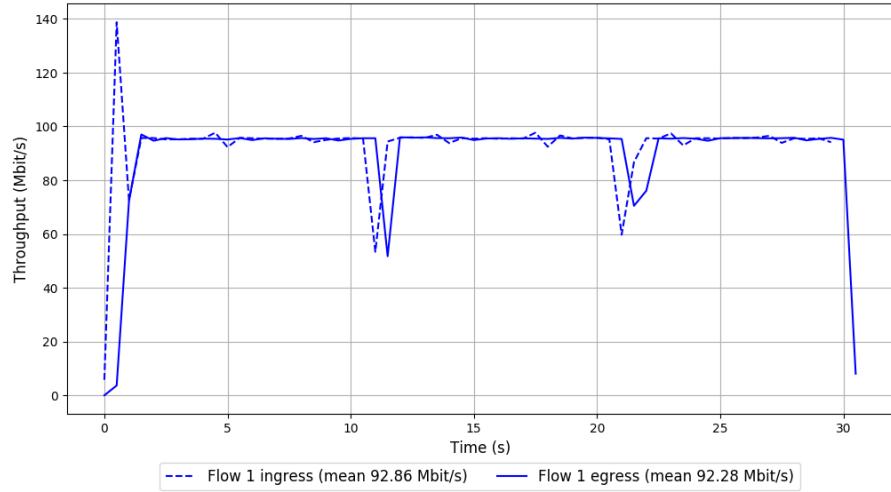


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-18 21:50:06
End at: 2019-01-18 21:50:36
Local clock offset: 2.79 ms
Remote clock offset: 4.091 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 67.303 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 67.303 ms
Loss rate: 0.65%
```

Run 5: Report of FillP-Sheep — Data Link

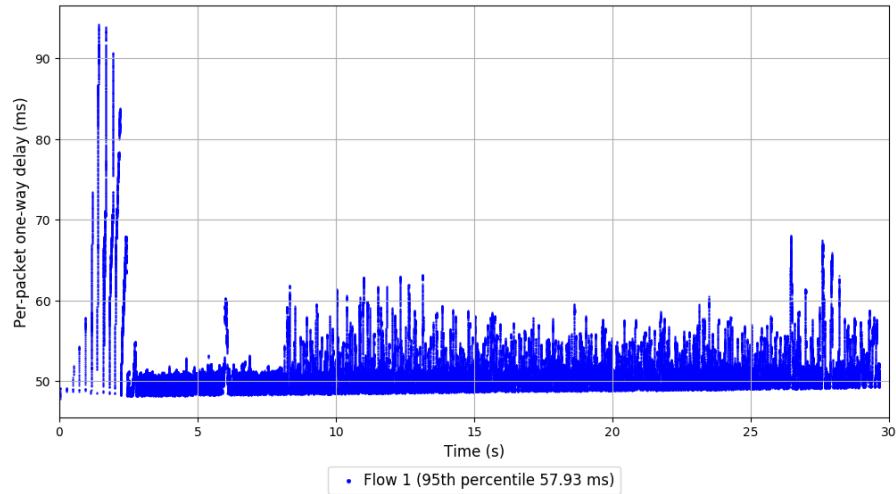
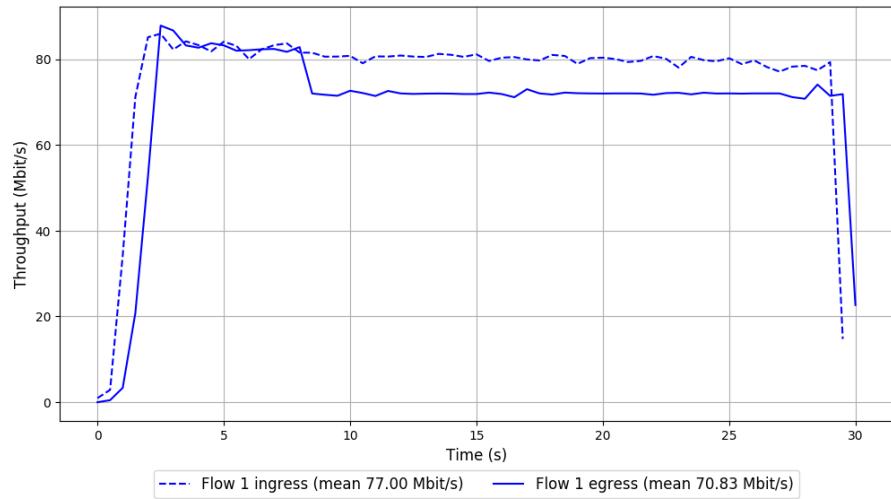


Run 1: Statistics of Indigo

```
Start at: 2019-01-18 20:02:25
End at: 2019-01-18 20:02:55
Local clock offset: 7.528 ms
Remote clock offset: -2.739 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 57.931 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 57.931 ms
Loss rate: 8.00%
```

Run 1: Report of Indigo — Data Link

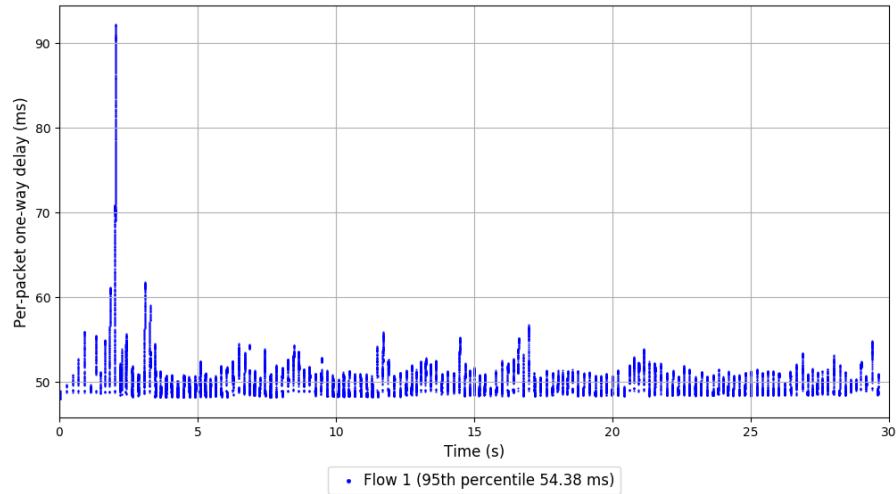
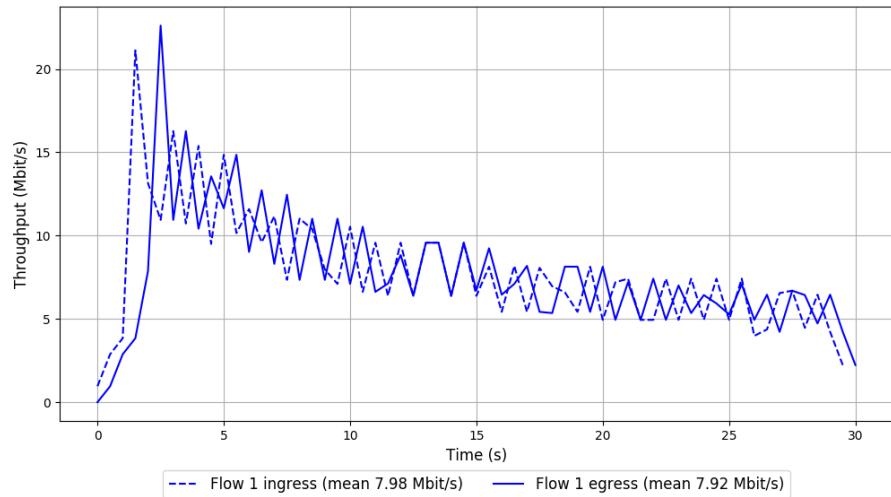


Run 2: Statistics of Indigo

```
Start at: 2019-01-18 20:49:11
End at: 2019-01-18 20:49:41
Local clock offset: -0.244 ms
Remote clock offset: -11.34 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 54.379 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 54.379 ms
Loss rate: 0.80%
```

Run 2: Report of Indigo — Data Link

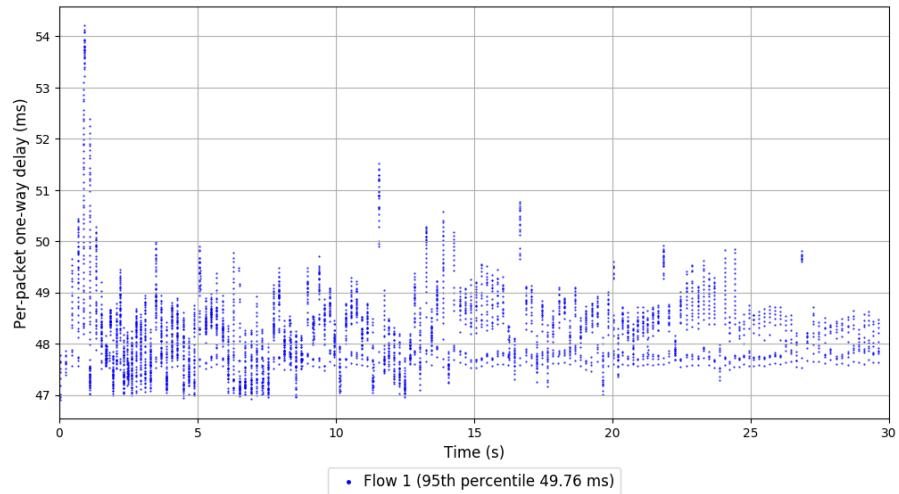
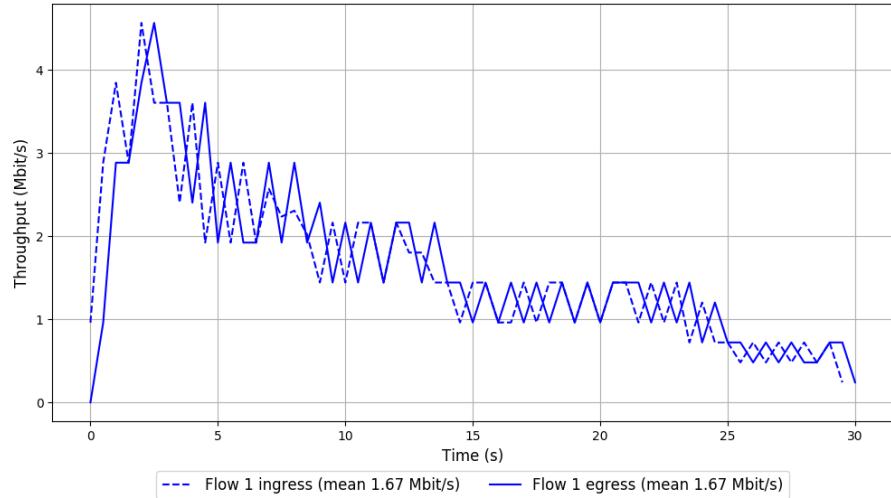


Run 3: Statistics of Indigo

```
Start at: 2019-01-18 21:16:33
End at: 2019-01-18 21:17:03
Local clock offset: 0.259 ms
Remote clock offset: 11.906 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 49.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 49.763 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

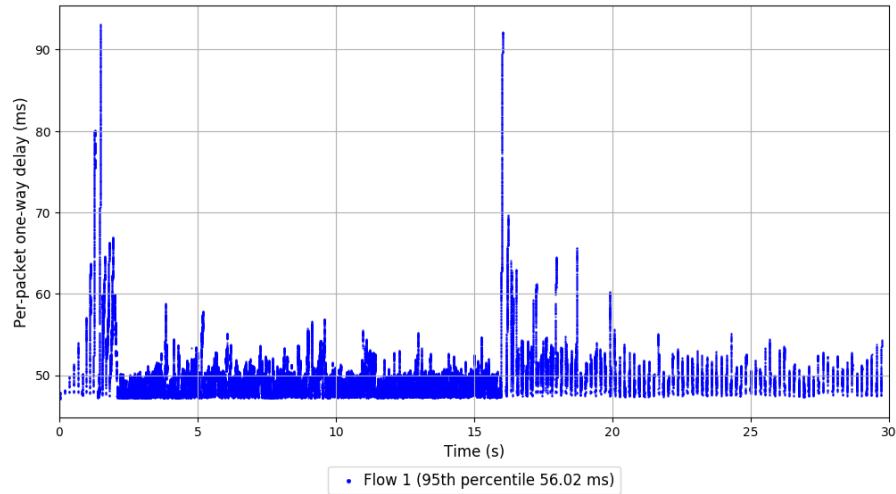
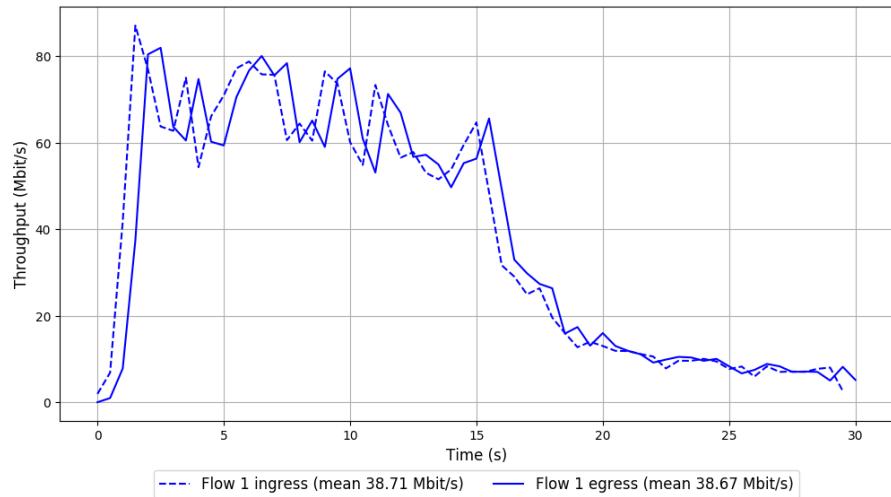


Run 4: Statistics of Indigo

```
Start at: 2019-01-18 21:42:36
End at: 2019-01-18 21:43:06
Local clock offset: 3.596 ms
Remote clock offset: 5.658 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 56.023 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 56.023 ms
Loss rate: 0.10%
```

Run 4: Report of Indigo — Data Link

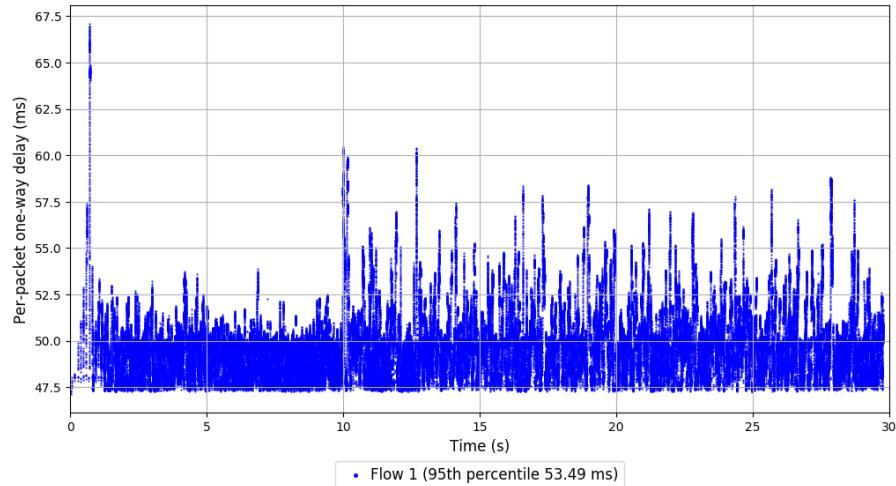
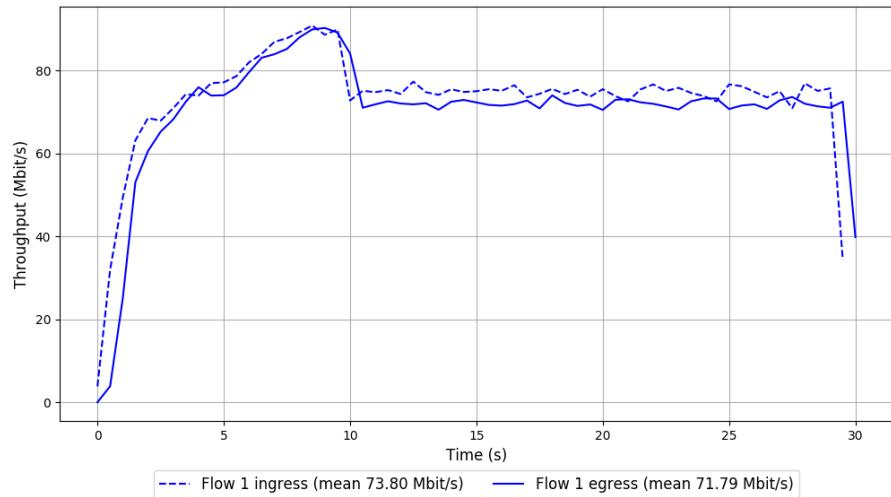


Run 5: Statistics of Indigo

```
Start at: 2019-01-18 22:09:02
End at: 2019-01-18 22:09:32
Local clock offset: -0.257 ms
Remote clock offset: 2.272 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.79 Mbit/s
95th percentile per-packet one-way delay: 53.493 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 71.79 Mbit/s
95th percentile per-packet one-way delay: 53.493 ms
Loss rate: 2.72%
```

Run 5: Report of Indigo — Data Link

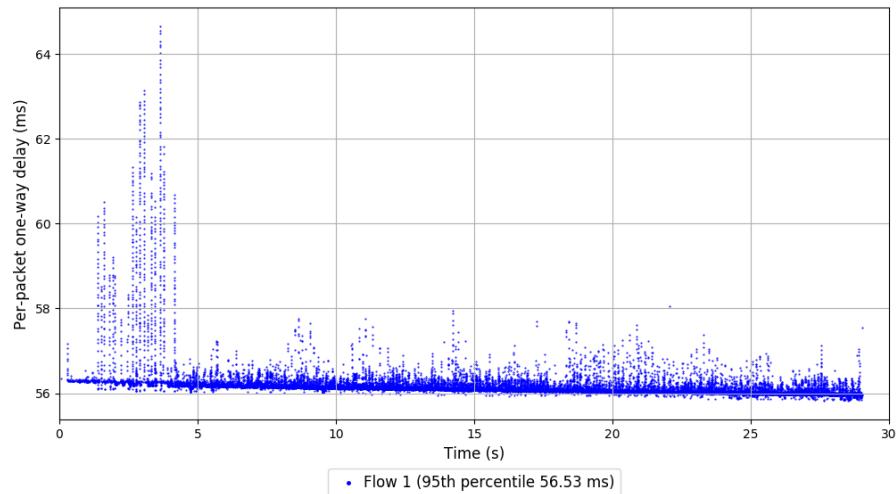
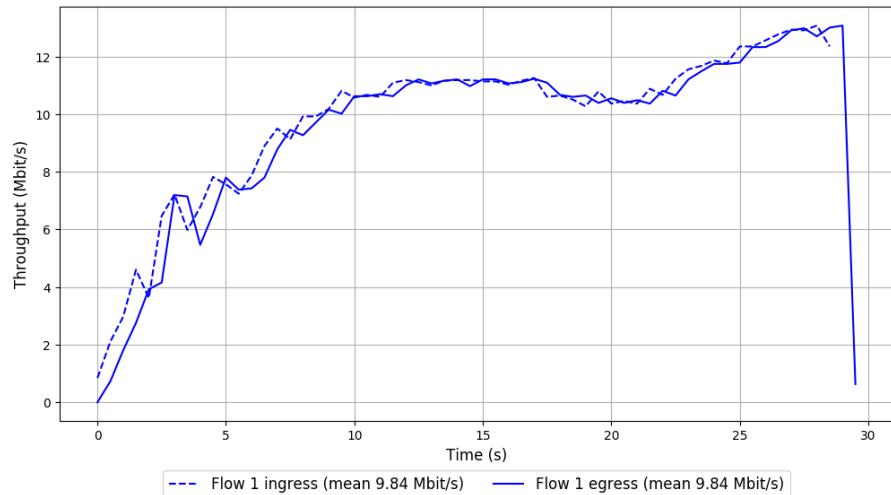


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 18:52:54
End at: 2019-01-18 18:53:24
Local clock offset: -0.718 ms
Remote clock offset: 42.235 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 56.535 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 56.535 ms
Loss rate: 0.04%
```

Run 1: Report of Indigo-MusesC3 — Data Link

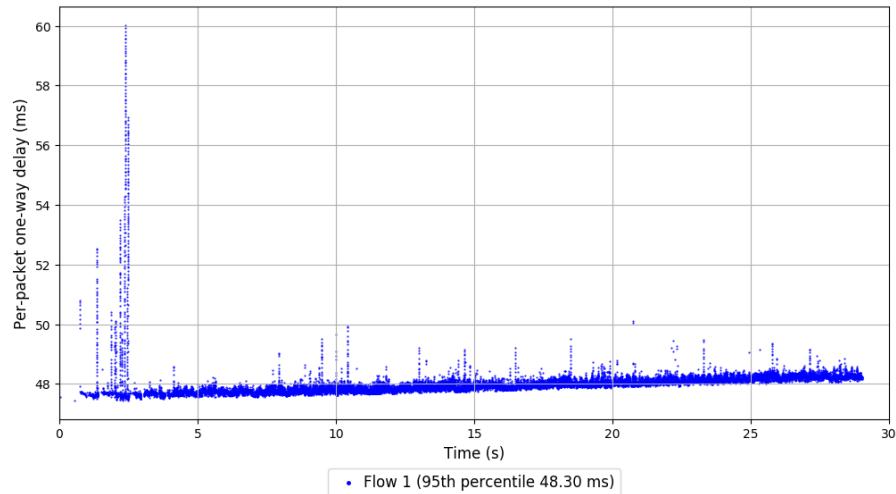
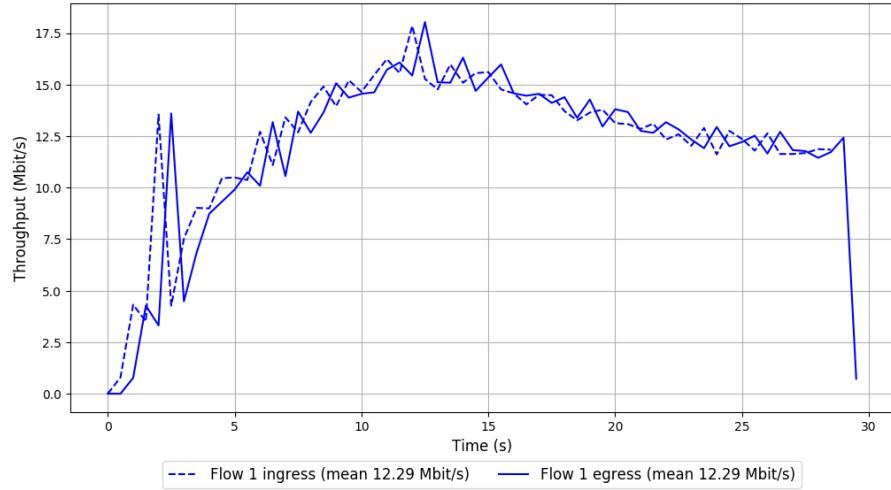


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 20:15:14
End at: 2019-01-18 20:15:44
Local clock offset: 8.157 ms
Remote clock offset: -25.007 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 48.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 48.302 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC3 — Data Link

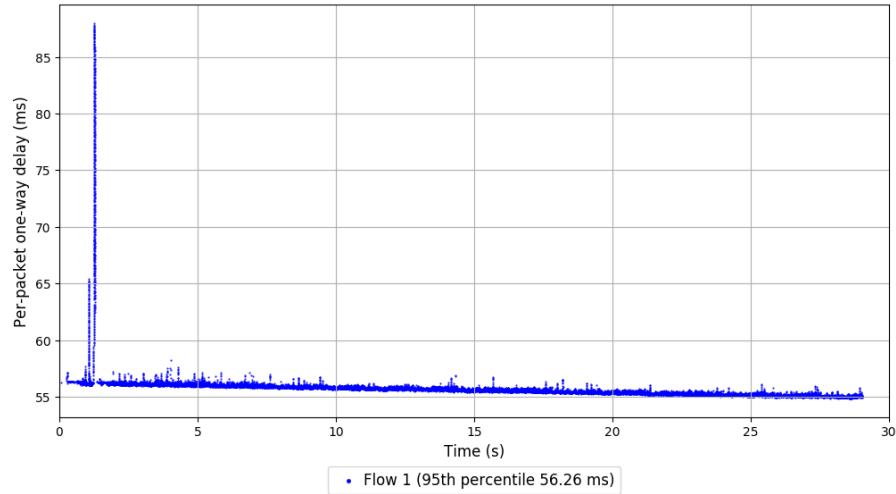
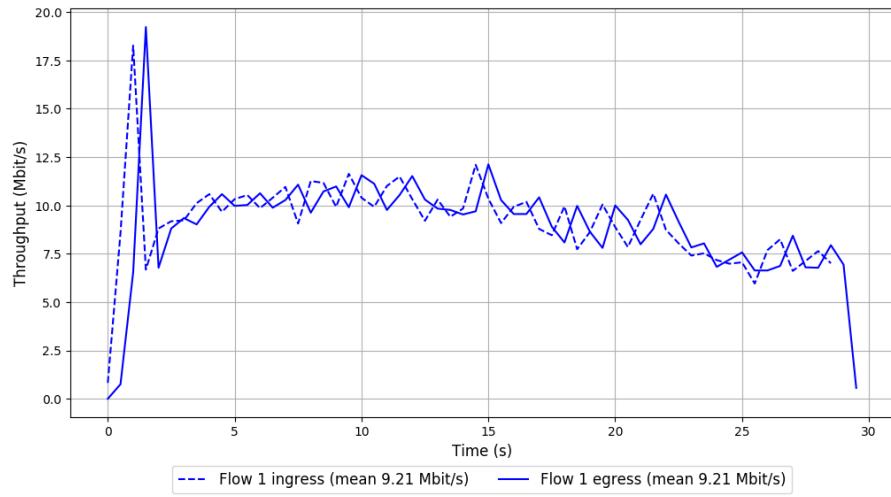


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 20:54:18
End at: 2019-01-18 20:54:48
Local clock offset: 0.108 ms
Remote clock offset: -10.894 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 56.258 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 56.258 ms
Loss rate: 0.03%
```

Run 3: Report of Indigo-MusesC3 — Data Link

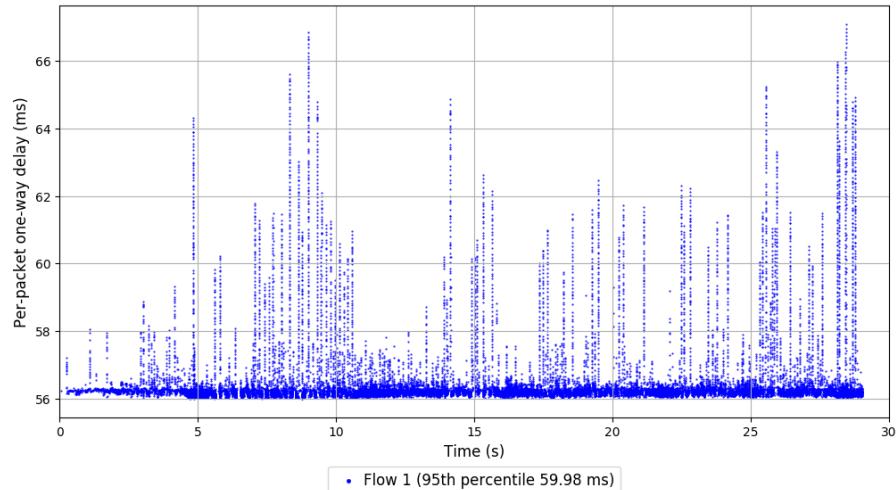
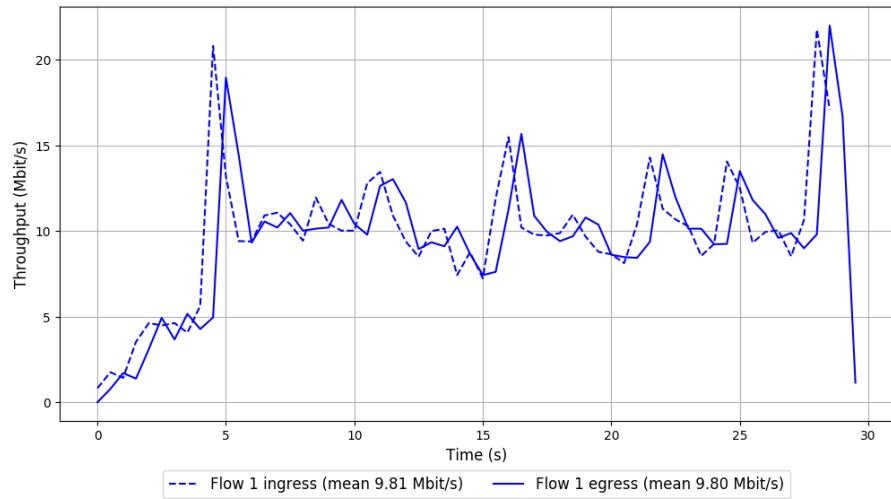


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 21:21:15
End at: 2019-01-18 21:21:45
Local clock offset: 1.702 ms
Remote clock offset: 12.584 ms

# Below is generated by plot.py at 2019-01-18 22:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 59.977 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 59.977 ms
Loss rate: 0.06%
```

Run 4: Report of Indigo-MusesC3 — Data Link

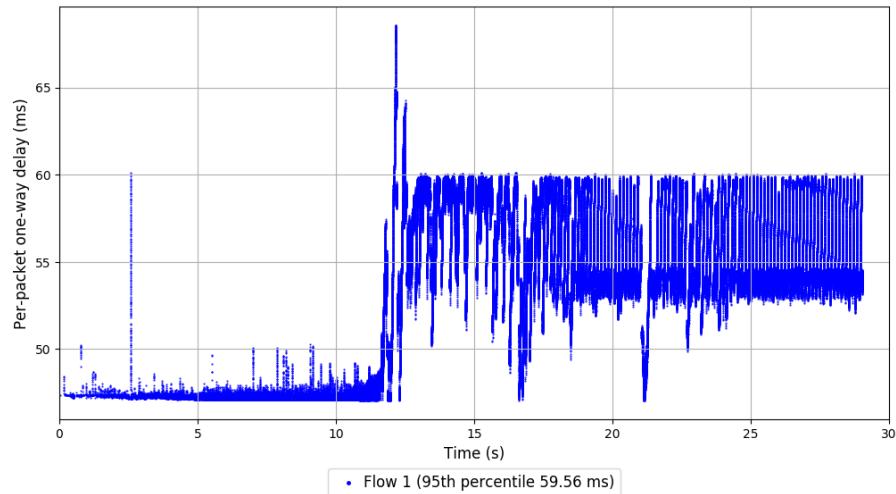
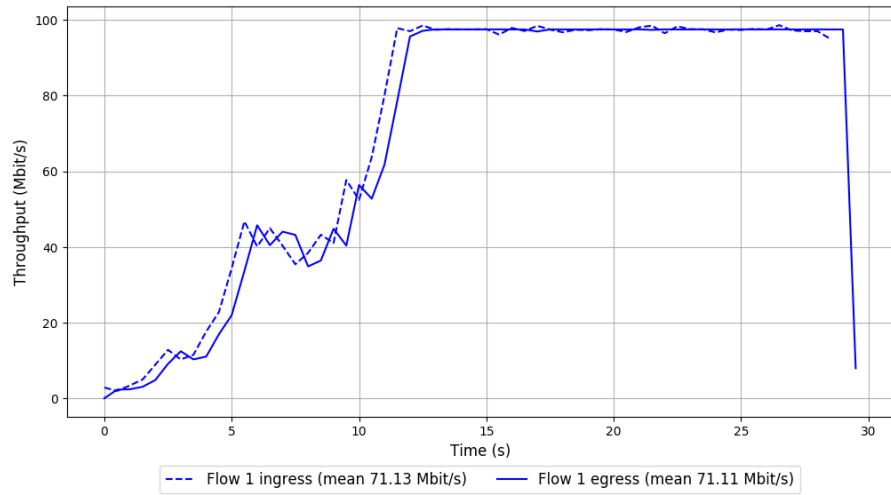


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 21:47:42
End at: 2019-01-18 21:48:12
Local clock offset: 3.371 ms
Remote clock offset: 4.7 ms

# Below is generated by plot.py at 2019-01-18 22:14:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 59.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 59.561 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC3 — Data Link

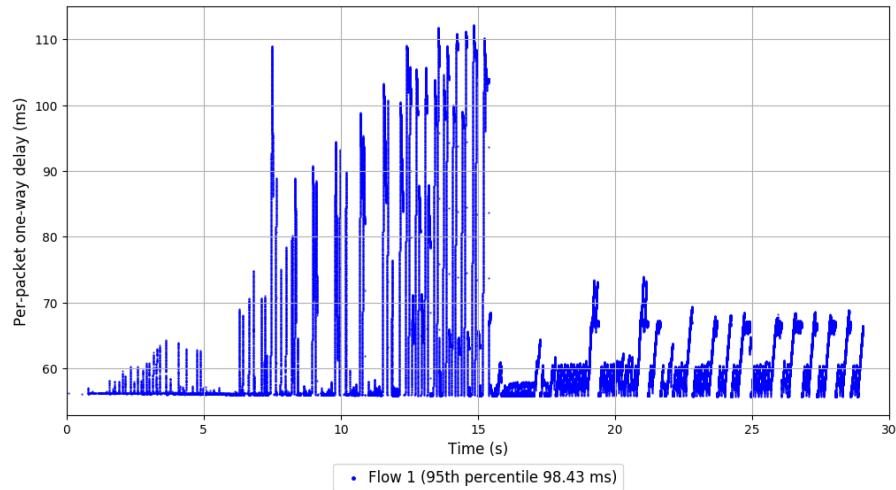
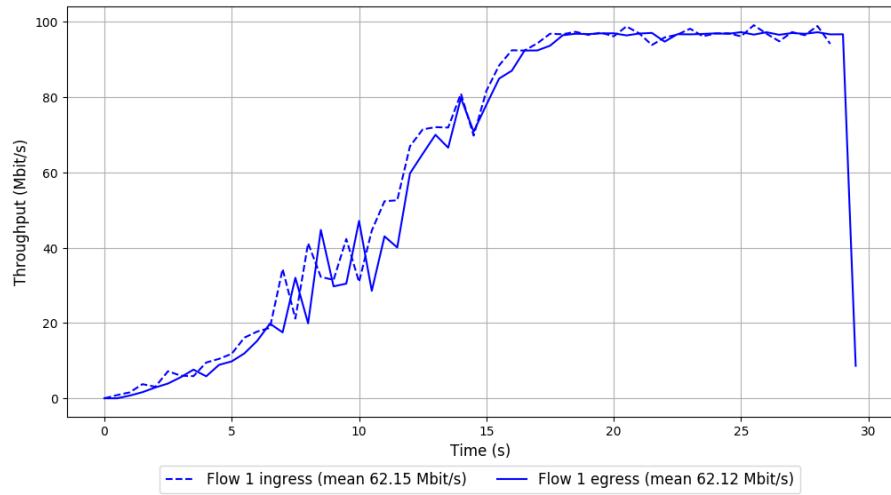


```
Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-18 19:21:07
End at: 2019-01-18 19:21:37
Local clock offset: 4.53 ms
Remote clock offset: 65.307 ms

# Below is generated by plot.py at 2019-01-18 22:14:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 98.431 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 98.431 ms
Loss rate: 0.05%
```

Run 1: Report of Indigo-MusesC5 — Data Link

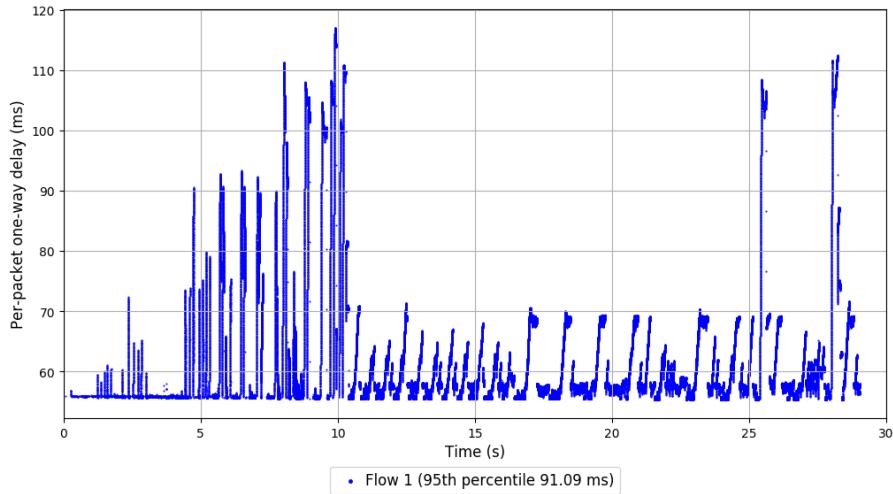
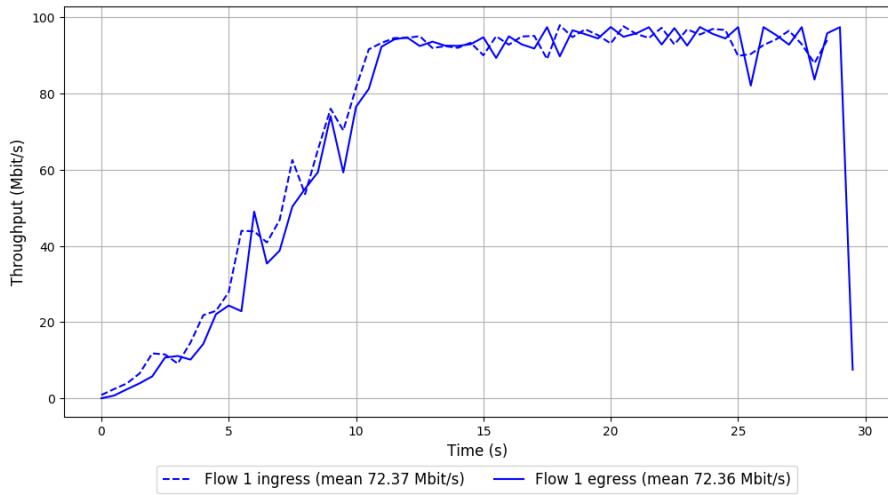


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 20:30:42
End at: 2019-01-18 20:31:12
Local clock offset: 1.64 ms
Remote clock offset: -9.906 ms

# Below is generated by plot.py at 2019-01-18 22:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 91.087 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 91.087 ms
Loss rate: 0.04%
```

Run 2: Report of Indigo-MusesC5 — Data Link

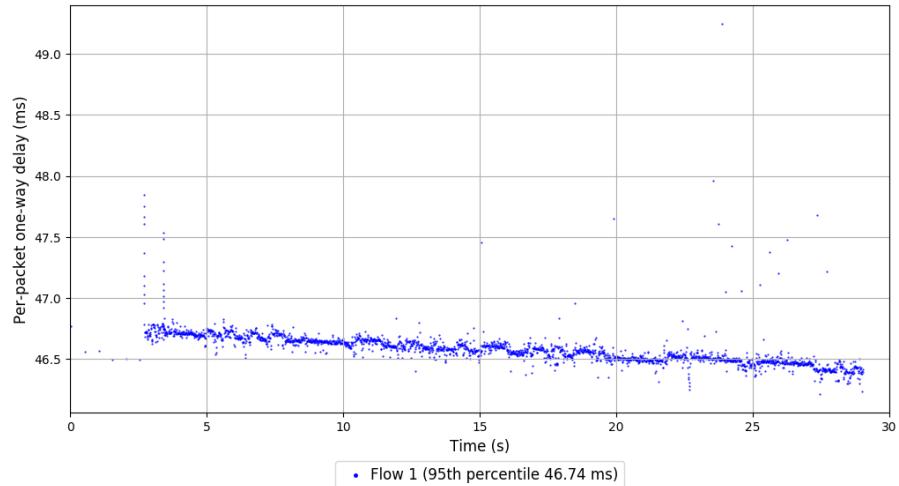
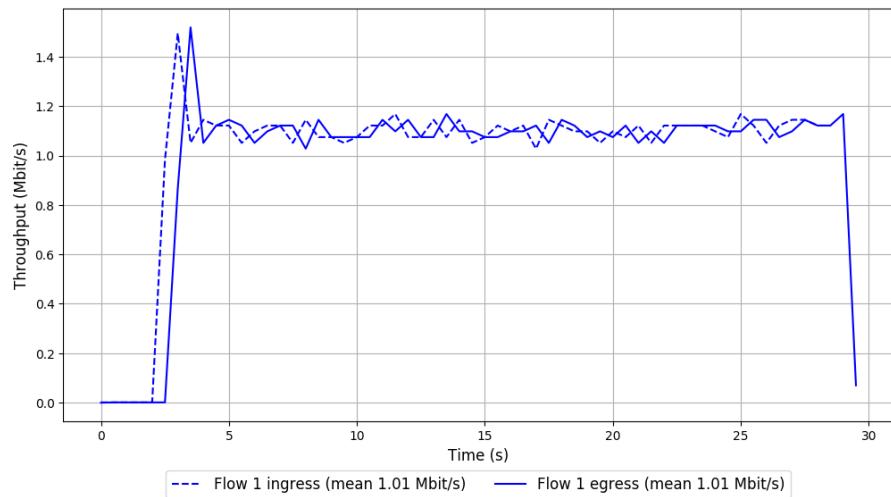


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 21:05:25
End at: 2019-01-18 21:05:55
Local clock offset: 0.501 ms
Remote clock offset: 6.807 ms

# Below is generated by plot.py at 2019-01-18 22:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 46.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 46.737 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC5 — Data Link

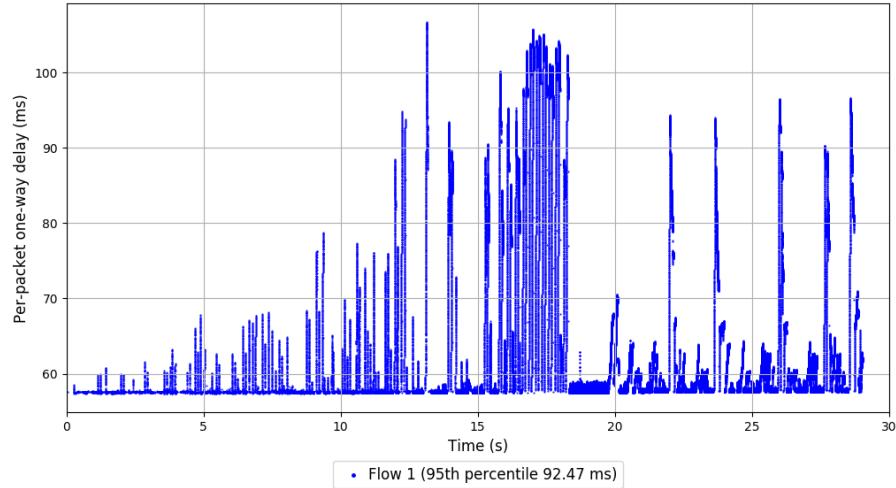
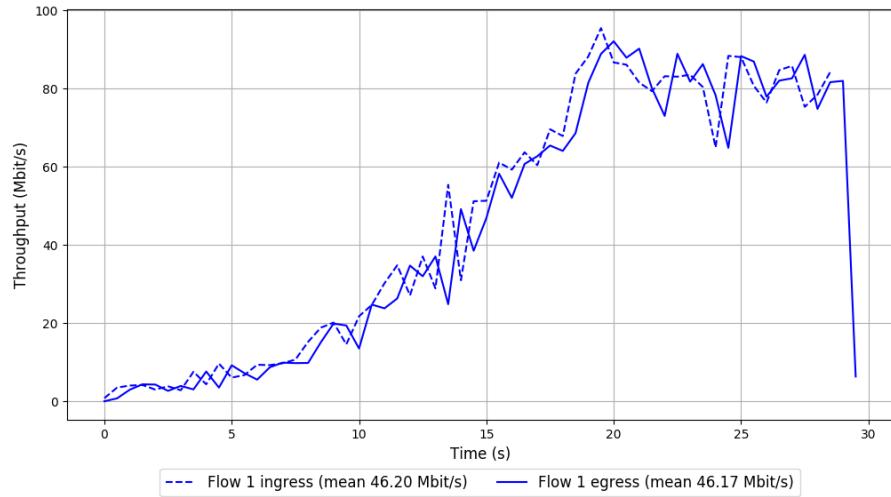


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 21:31:44
End at: 2019-01-18 21:32:14
Local clock offset: 3.078 ms
Remote clock offset: 10.711 ms

# Below is generated by plot.py at 2019-01-18 22:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 92.475 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 92.475 ms
Loss rate: 0.07%
```

Run 4: Report of Indigo-MusesC5 — Data Link

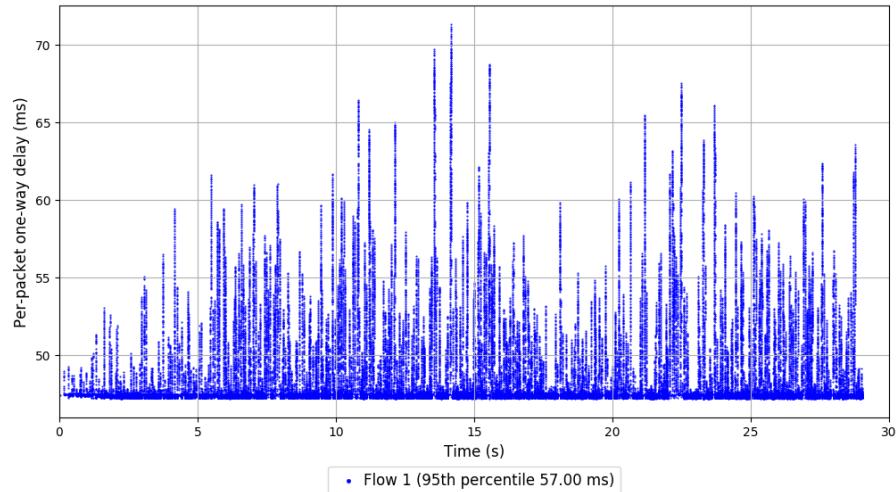
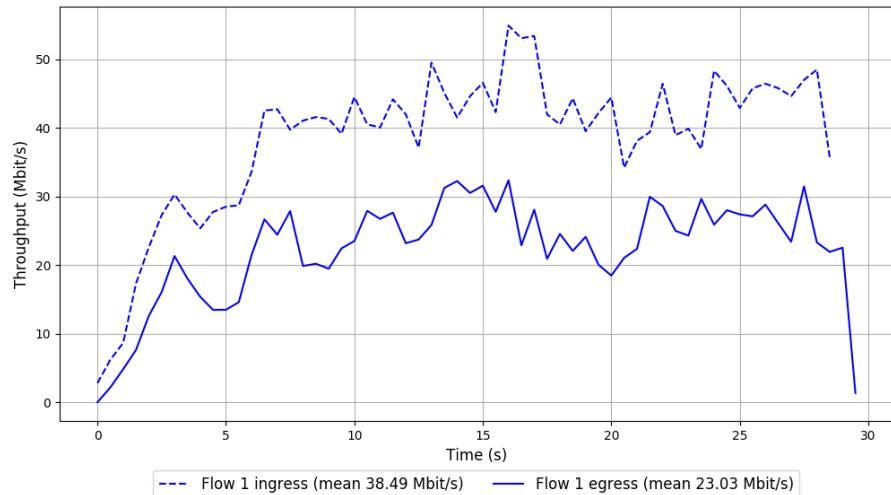


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 21:57:26
End at: 2019-01-18 21:57:56
Local clock offset: 0.707 ms
Remote clock offset: 3.106 ms

# Below is generated by plot.py at 2019-01-18 22:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 56.997 ms
Loss rate: 40.17%
-- Flow 1:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 56.997 ms
Loss rate: 40.17%
```

Run 5: Report of Indigo-MusesC5 — Data Link

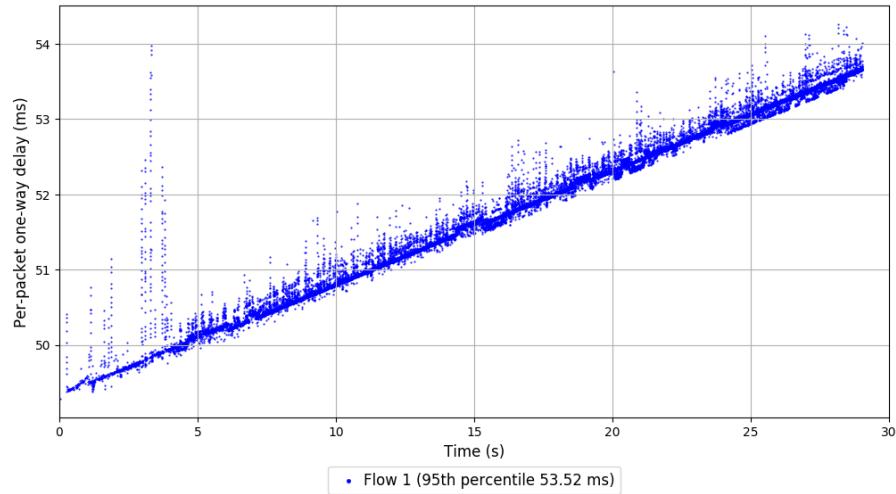
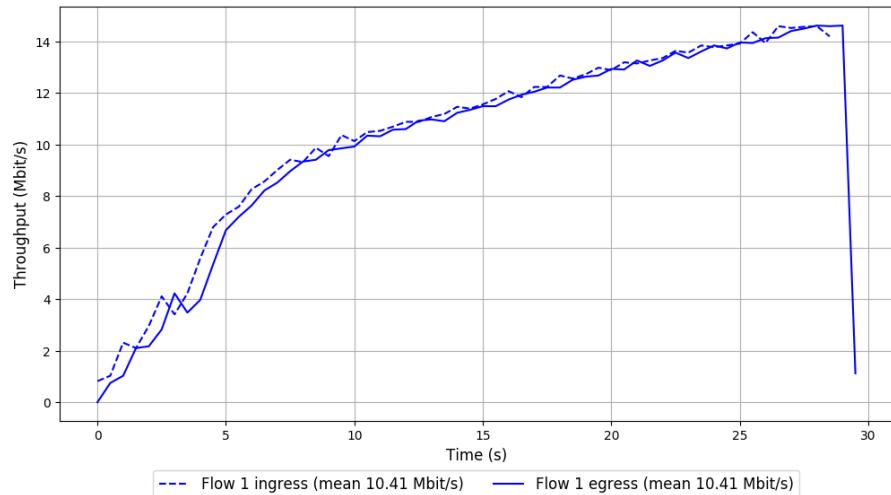


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 19:45:14
End at: 2019-01-18 19:45:44
Local clock offset: 6.217 ms
Remote clock offset: 77.963 ms

# Below is generated by plot.py at 2019-01-18 22:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 53.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 53.518 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link

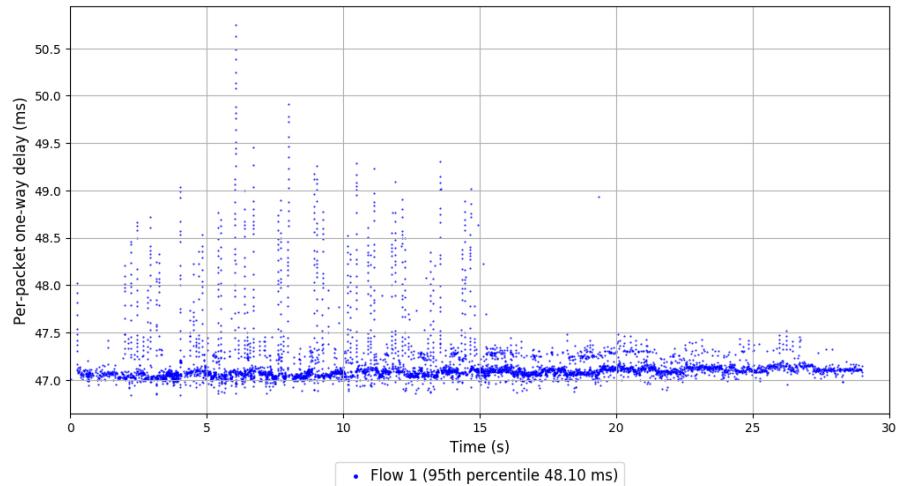
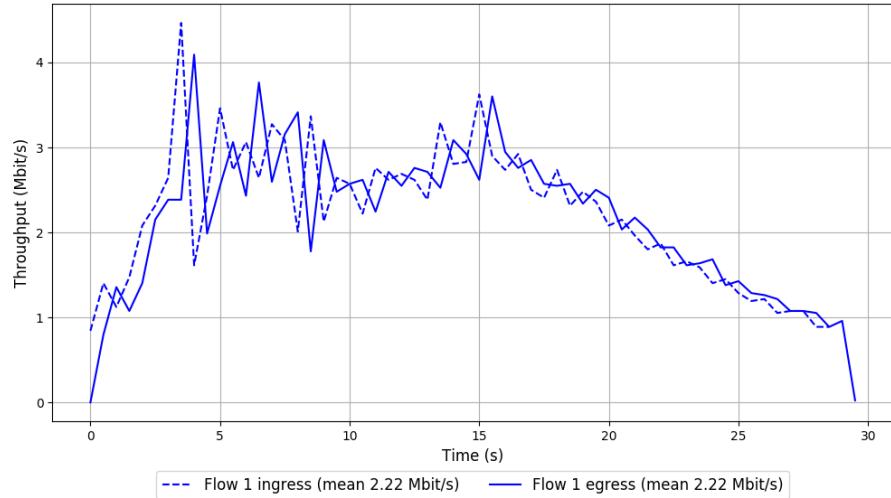


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 20:41:09
End at: 2019-01-18 20:41:39
Local clock offset: 0.298 ms
Remote clock offset: -8.826 ms

# Below is generated by plot.py at 2019-01-18 22:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 48.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 48.105 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesD — Data Link

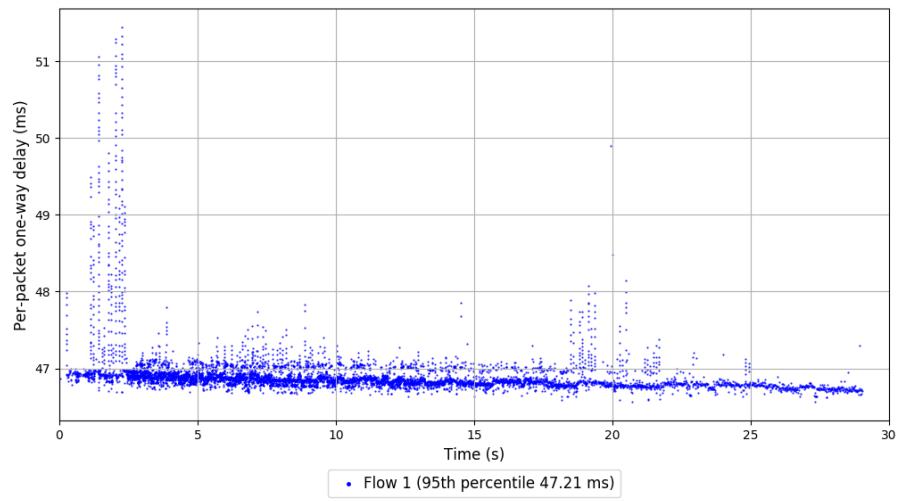
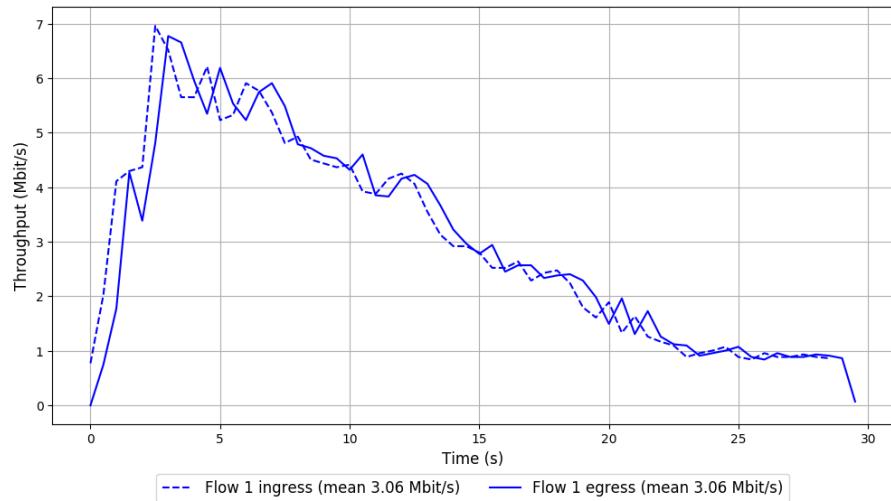


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 21:10:31
End at: 2019-01-18 21:11:01
Local clock offset: 0.44 ms
Remote clock offset: 9.822 ms

# Below is generated by plot.py at 2019-01-18 22:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 47.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 47.209 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesD — Data Link

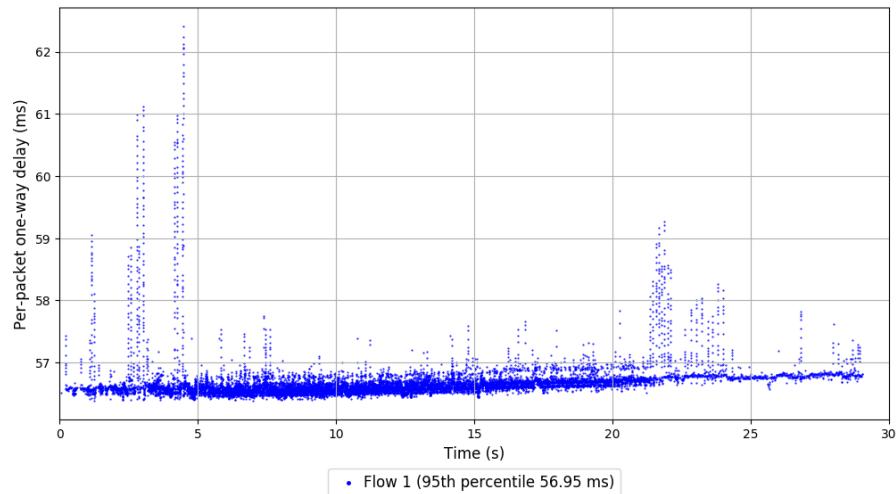
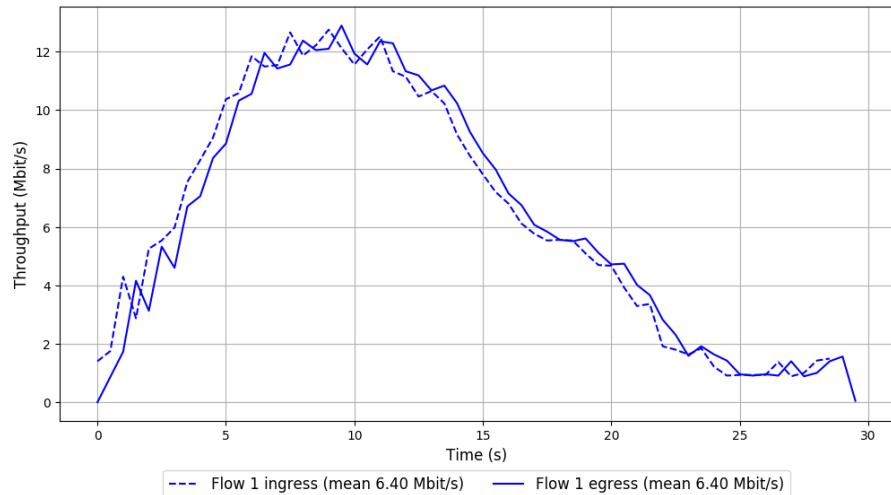


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 21:36:43
End at: 2019-01-18 21:37:13
Local clock offset: 3.696 ms
Remote clock offset: 8.051 ms

# Below is generated by plot.py at 2019-01-18 22:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 56.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 56.949 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesD — Data Link

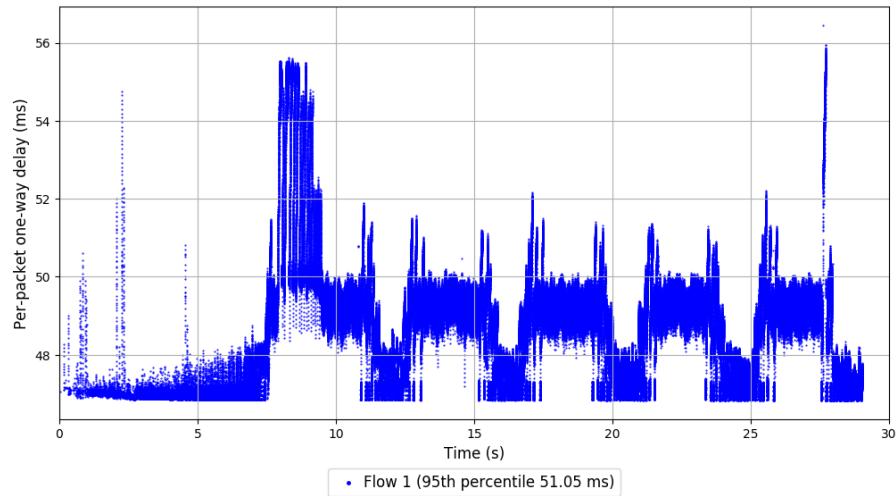
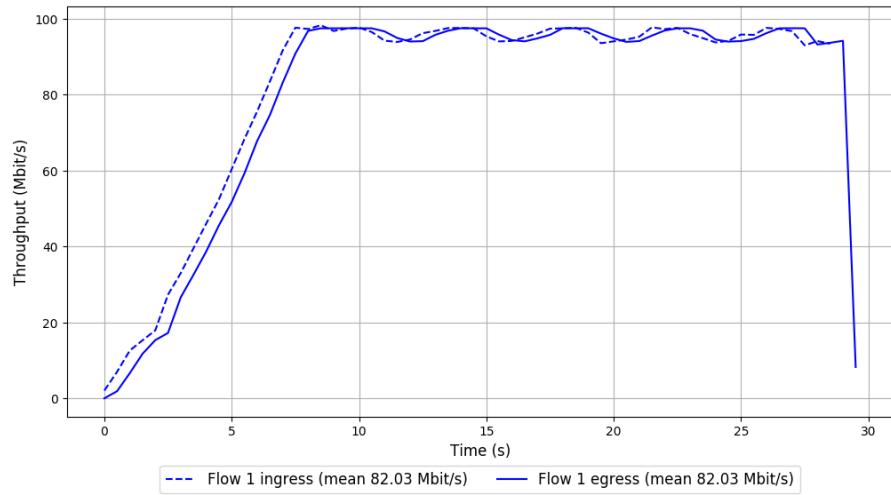


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 22:02:15
End at: 2019-01-18 22:02:45
Local clock offset: 0.417 ms
Remote clock offset: 2.784 ms

# Below is generated by plot.py at 2019-01-18 22:15:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 51.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 51.047 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesD — Data Link

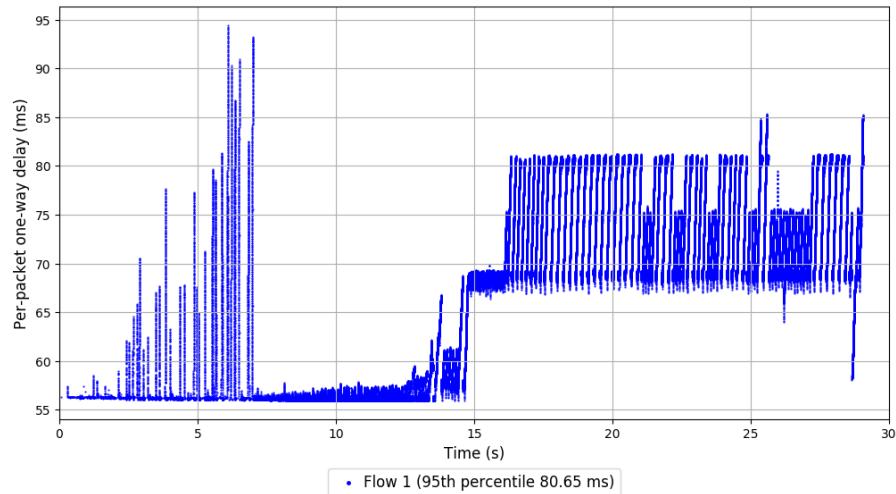
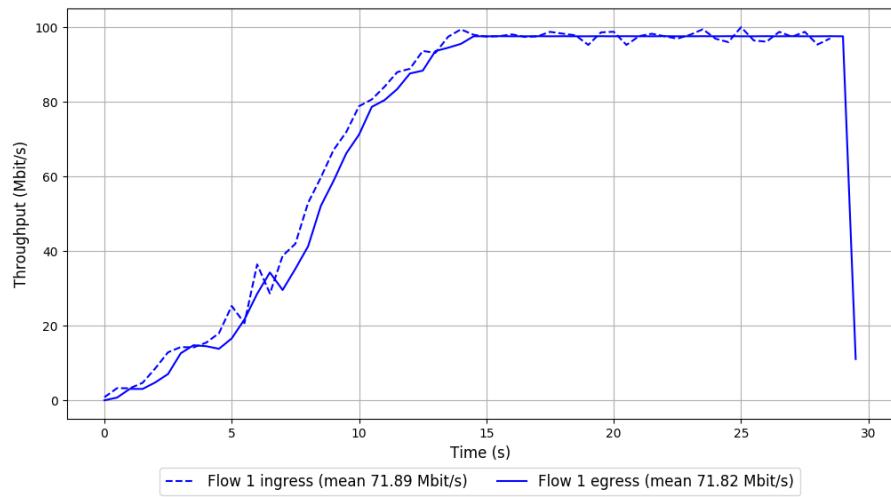


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 18:55:10
End at: 2019-01-18 18:55:40
Local clock offset: 0.106 ms
Remote clock offset: 44.277 ms

# Below is generated by plot.py at 2019-01-18 22:15:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 80.650 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 80.650 ms
Loss rate: 0.04%
```

Run 1: Report of Indigo-MusesT — Data Link

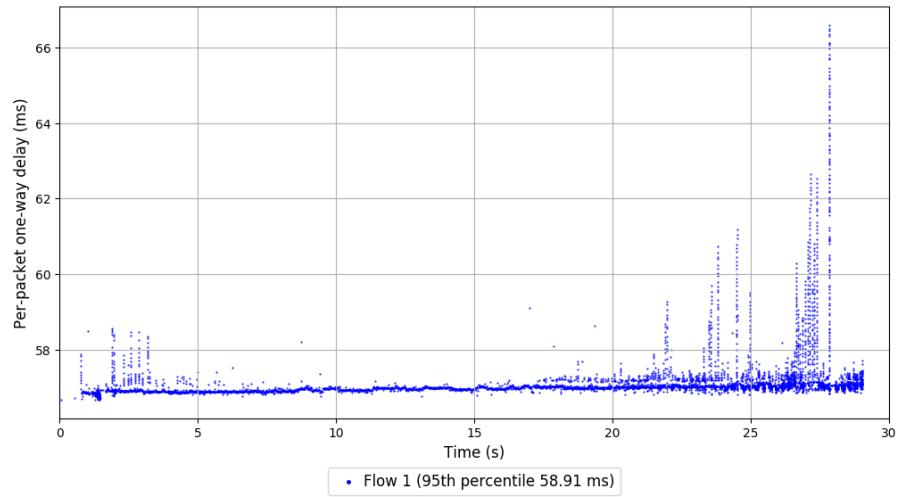
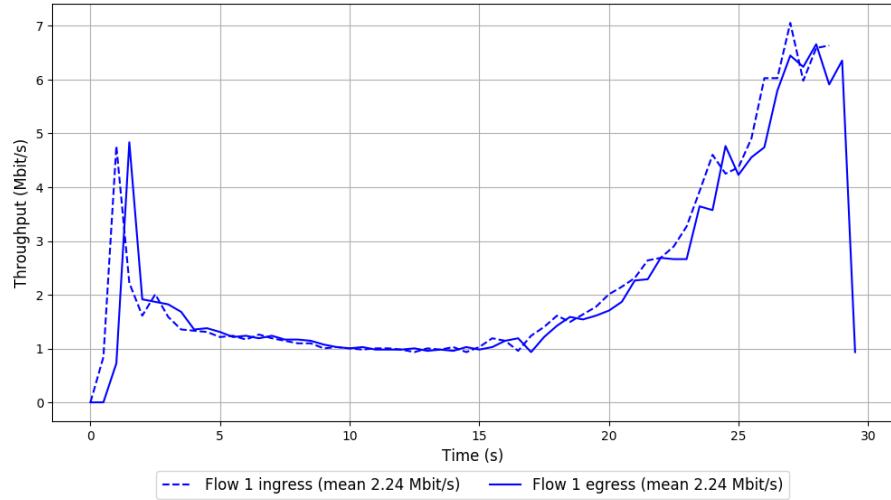


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 20:16:49
End at: 2019-01-18 20:17:19
Local clock offset: 8.279 ms
Remote clock offset: -26.67 ms

# Below is generated by plot.py at 2019-01-18 22:15:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 58.909 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 58.909 ms
Loss rate: 0.18%
```

Run 2: Report of Indigo-MusesT — Data Link

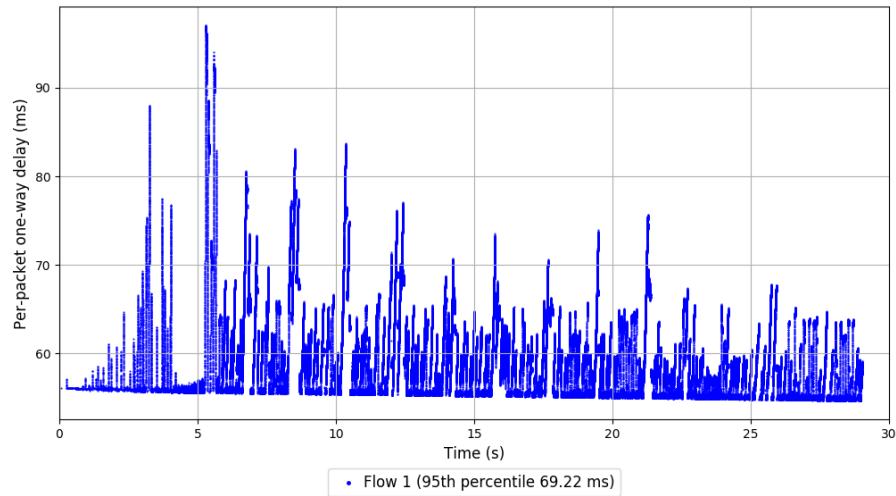
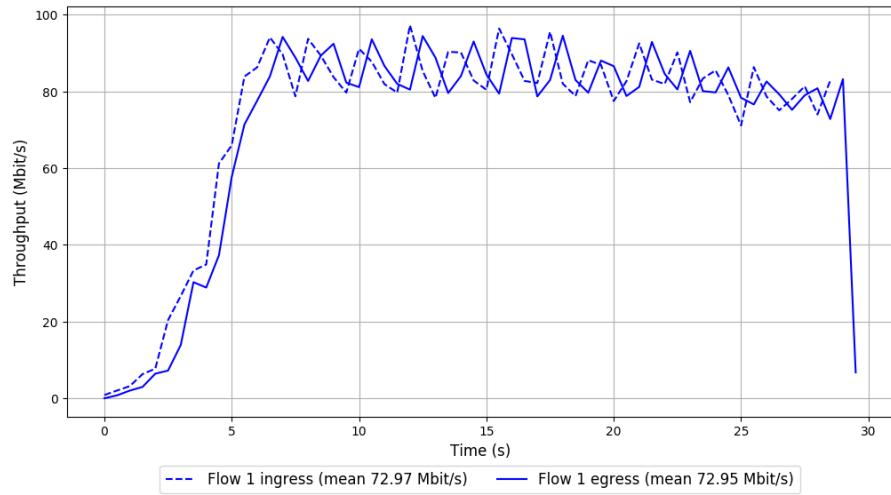


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 20:55:33
End at: 2019-01-18 20:56:03
Local clock offset: 0.216 ms
Remote clock offset: -7.625 ms

# Below is generated by plot.py at 2019-01-18 22:15:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.95 Mbit/s
95th percentile per-packet one-way delay: 69.220 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 72.95 Mbit/s
95th percentile per-packet one-way delay: 69.220 ms
Loss rate: 0.04%
```

Run 3: Report of Indigo-MusesT — Data Link

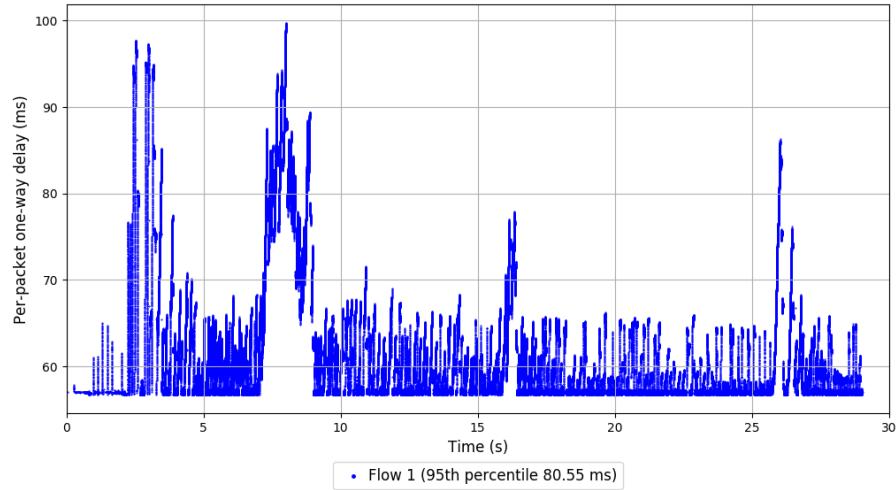
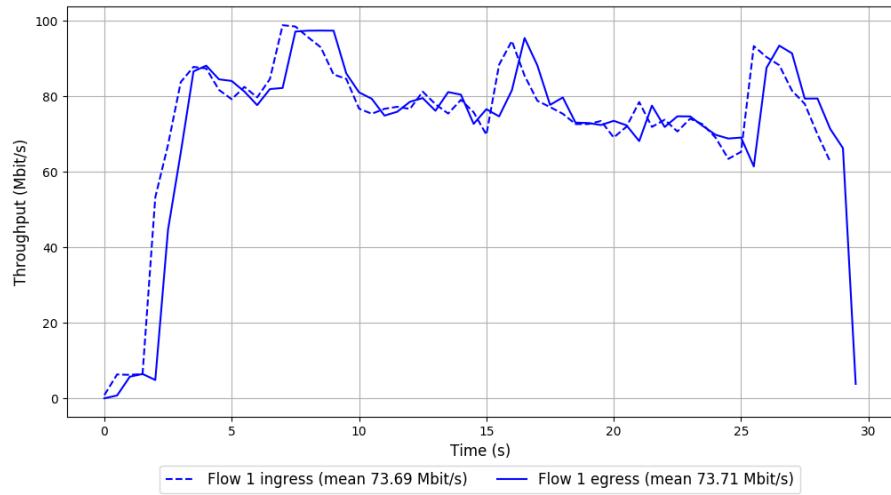


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 21:22:31
End at: 2019-01-18 21:23:01
Local clock offset: 1.87 ms
Remote clock offset: 13.077 ms

# Below is generated by plot.py at 2019-01-18 22:15:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 80.553 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 80.553 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-MusesT — Data Link

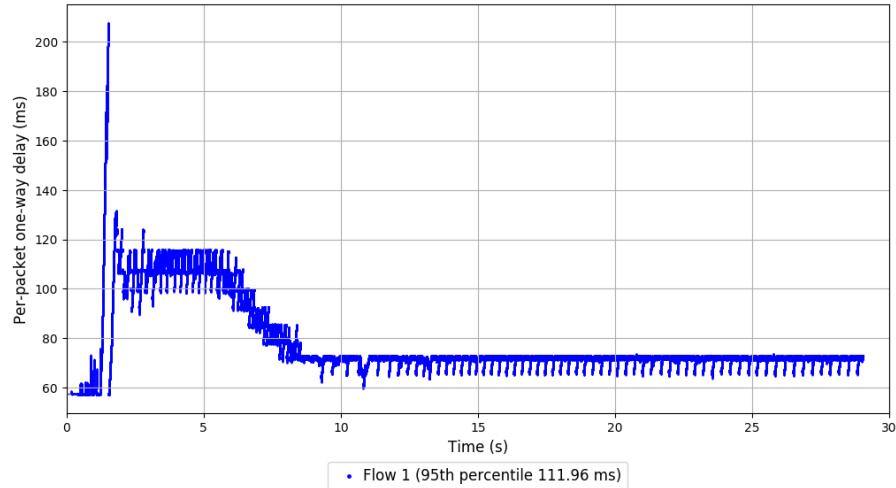
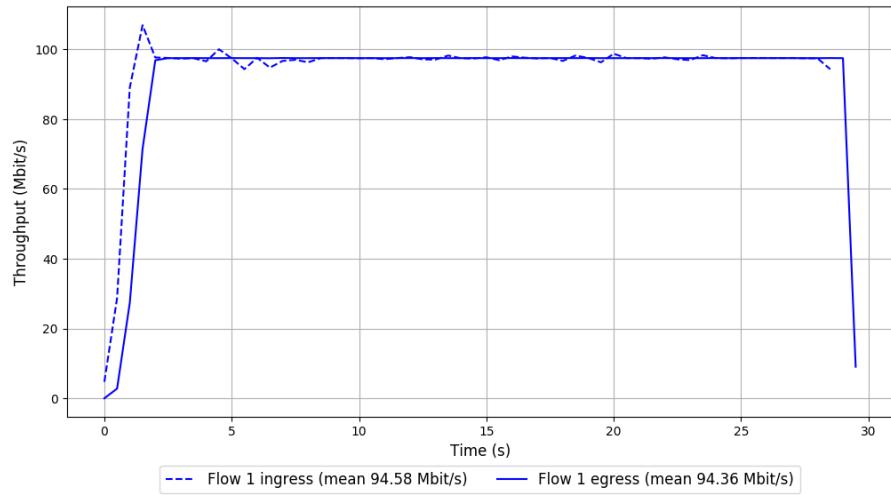


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 21:48:54
End at: 2019-01-18 21:49:24
Local clock offset: 3.025 ms
Remote clock offset: 5.15 ms

# Below is generated by plot.py at 2019-01-18 22:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 111.961 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 111.961 ms
Loss rate: 0.22%
```

Run 5: Report of Indigo-MusesT — Data Link

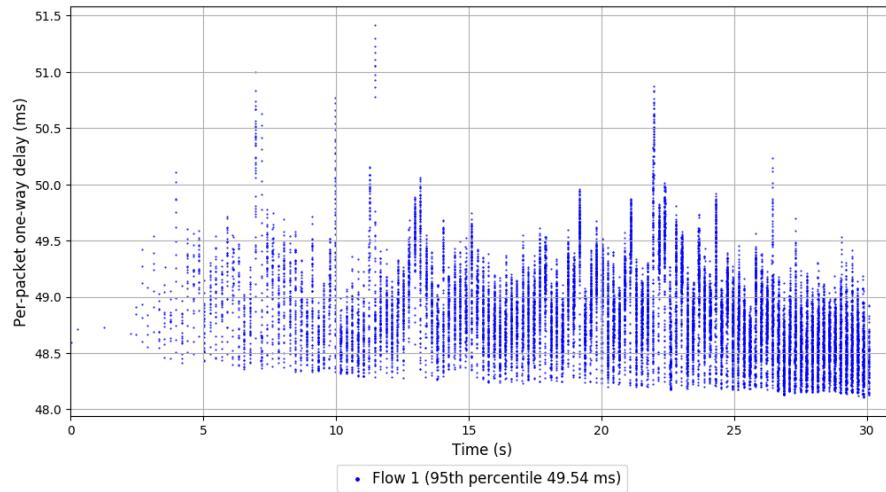
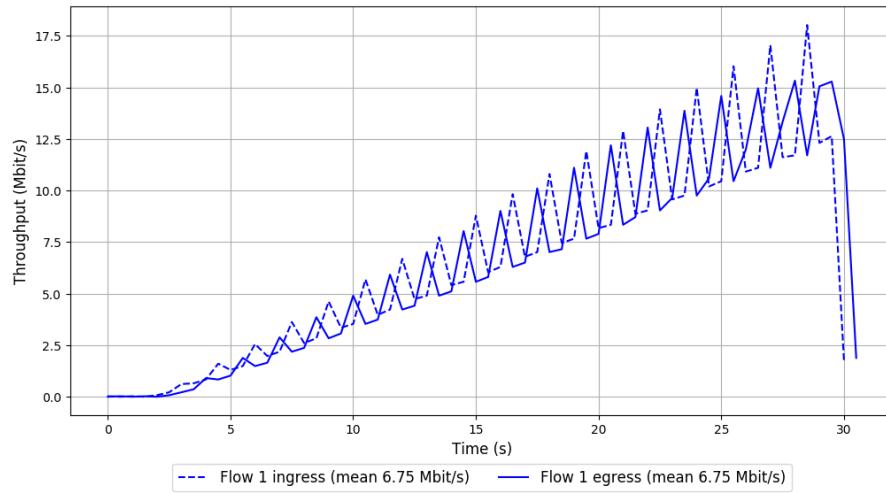


```
Run 1: Statistics of LEDBAT

Start at: 2019-01-18 18:50:50
End at: 2019-01-18 18:51:20
Local clock offset: -2.231 ms
Remote clock offset: 41.196 ms

# Below is generated by plot.py at 2019-01-18 22:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 49.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 49.537 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

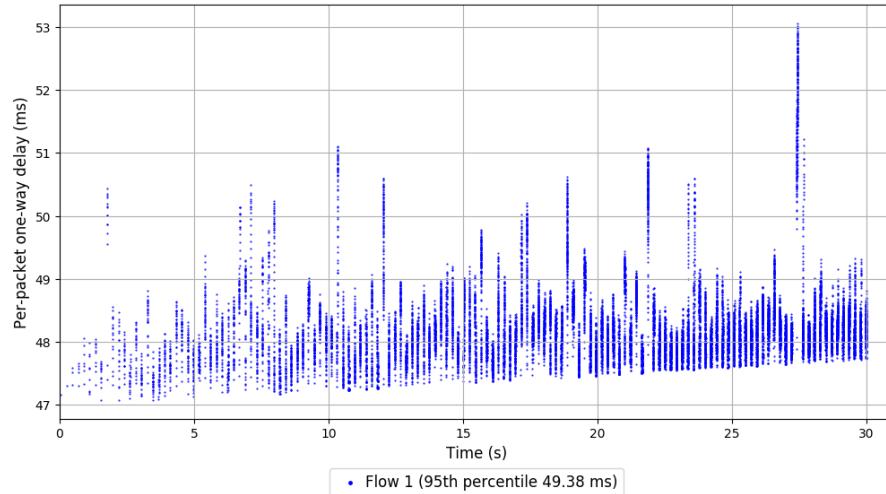
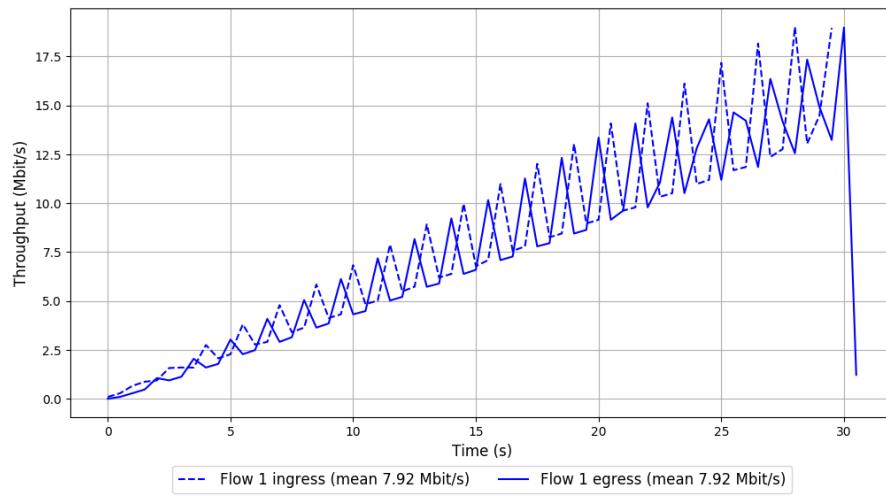


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-18 20:13:36
End at: 2019-01-18 20:14:06
Local clock offset: 8.069 ms
Remote clock offset: -23.246 ms

# Below is generated by plot.py at 2019-01-18 22:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 49.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 49.377 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

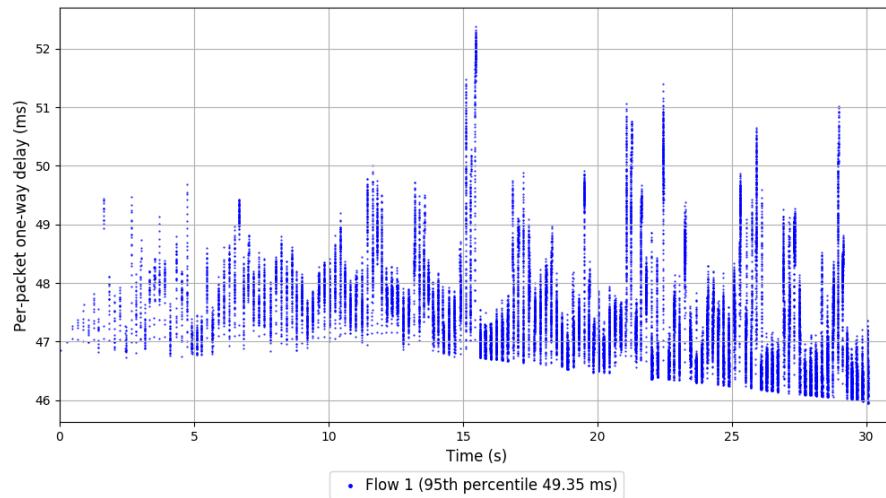
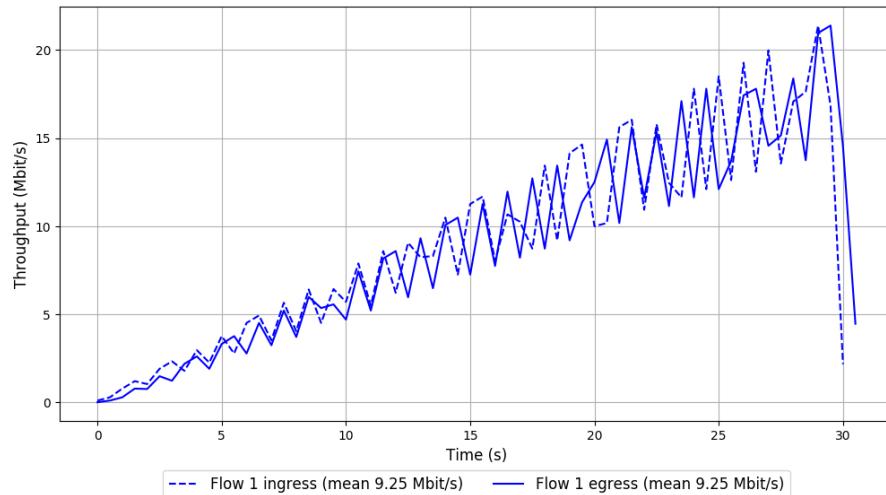


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-18 20:52:57
End at: 2019-01-18 20:53:27
Local clock offset: 0.302 ms
Remote clock offset: -13.879 ms

# Below is generated by plot.py at 2019-01-18 22:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 49.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 49.352 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

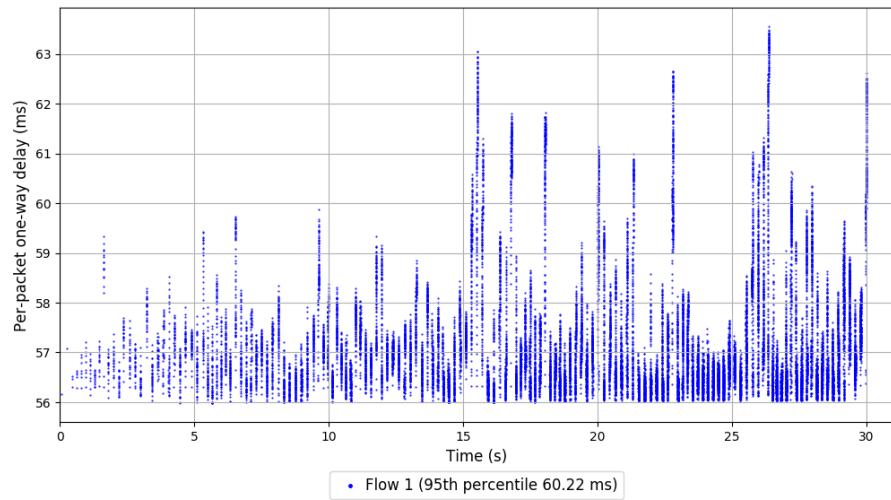
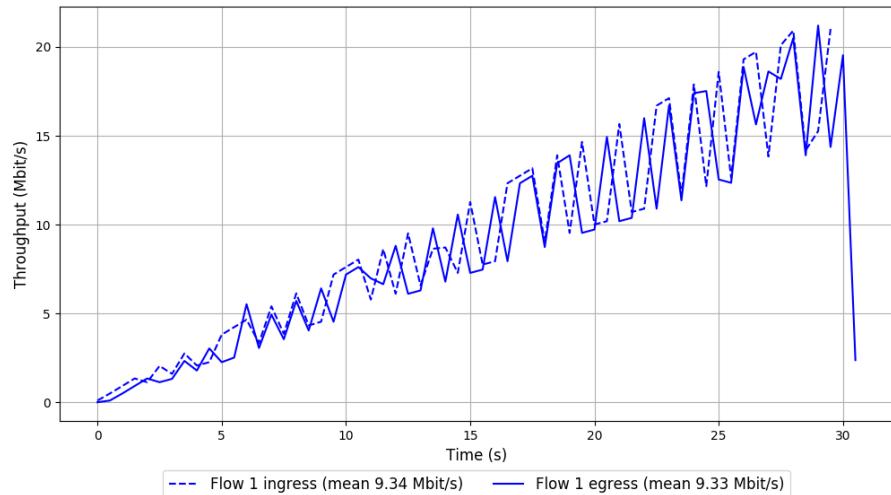


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-18 21:20:04
End at: 2019-01-18 21:20:34
Local clock offset: 1.492 ms
Remote clock offset: 12.373 ms

# Below is generated by plot.py at 2019-01-18 22:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 60.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 60.220 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

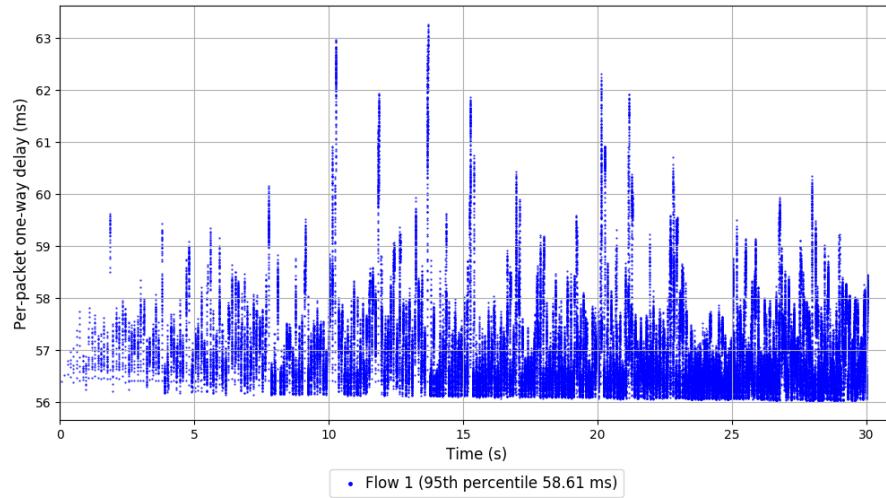
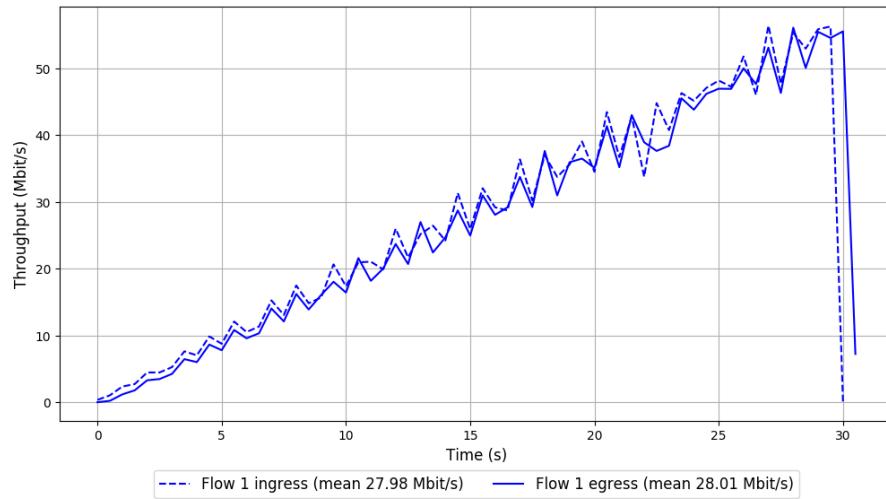


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-18 21:46:32
End at: 2019-01-18 21:47:02
Local clock offset: 4.07 ms
Remote clock offset: 4.669 ms

# Below is generated by plot.py at 2019-01-18 22:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 58.612 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 58.612 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

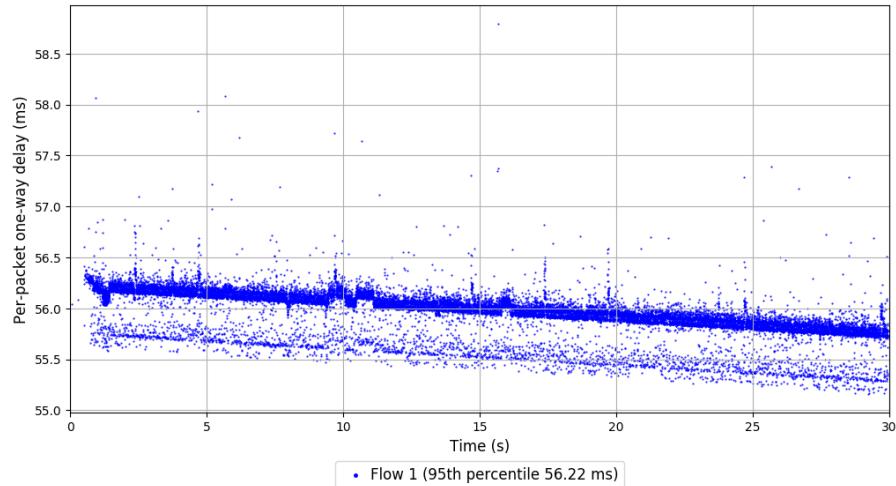
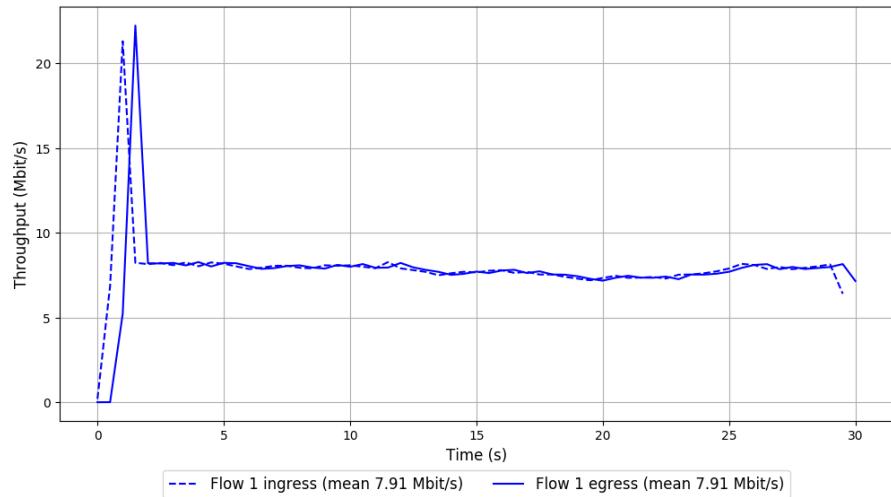


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-18 19:16:51
End at: 2019-01-18 19:17:22
Local clock offset: 4.254 ms
Remote clock offset: 61.161 ms

# Below is generated by plot.py at 2019-01-18 22:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 56.220 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 56.220 ms
Loss rate: 0.03%
```

Run 1: Report of PCC-Allegro — Data Link

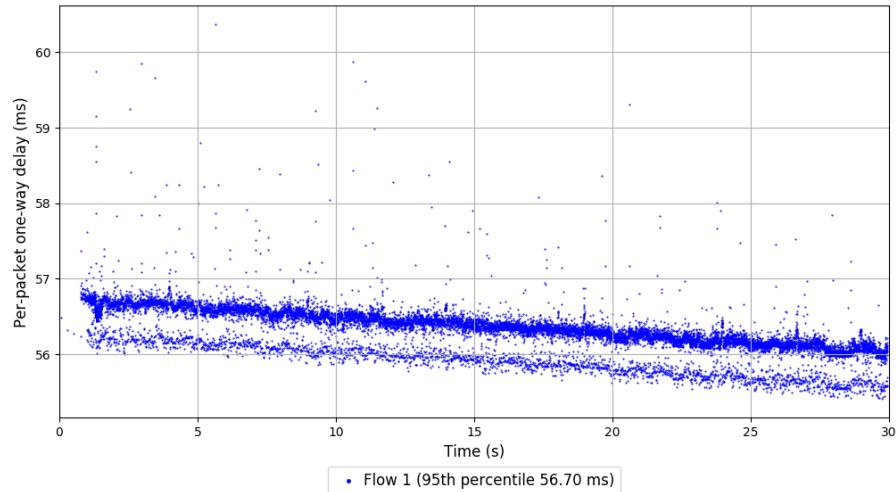
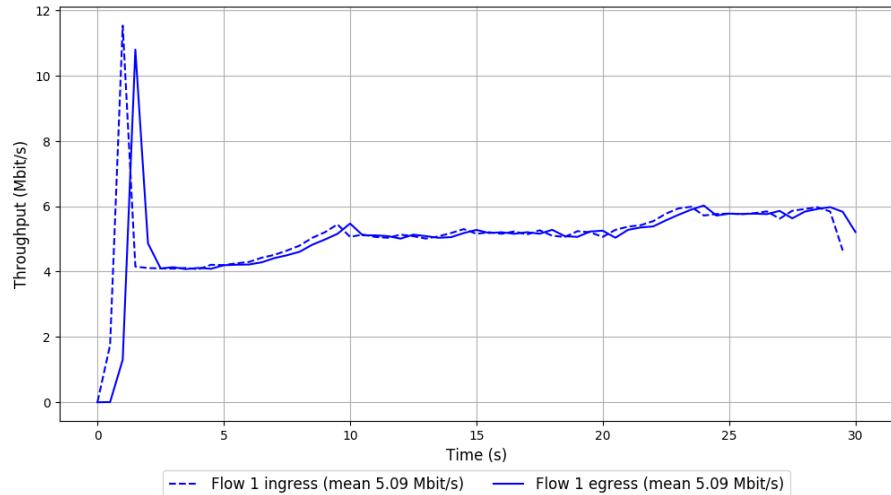


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-18 20:26:57
End at: 2019-01-18 20:27:27
Local clock offset: 2.719 ms
Remote clock offset: -12.6 ms

# Below is generated by plot.py at 2019-01-18 22:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 56.698 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 56.698 ms
Loss rate: 0.03%
```

Run 2: Report of PCC-Allegro — Data Link

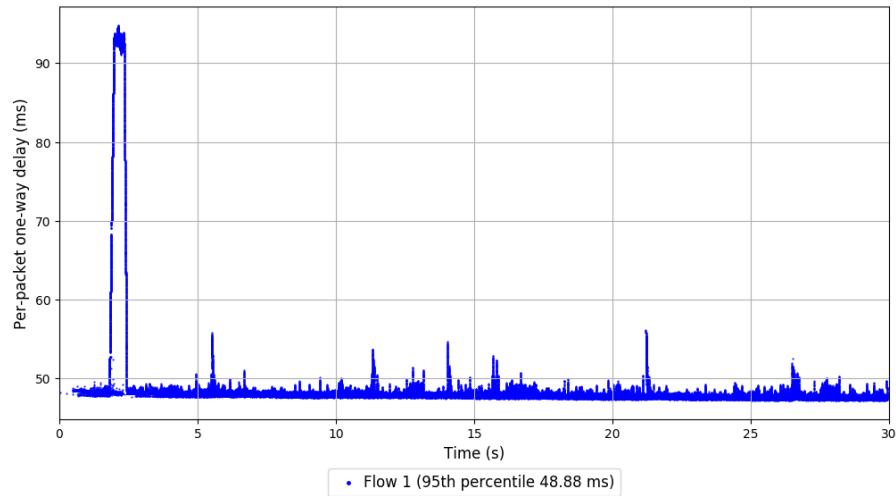
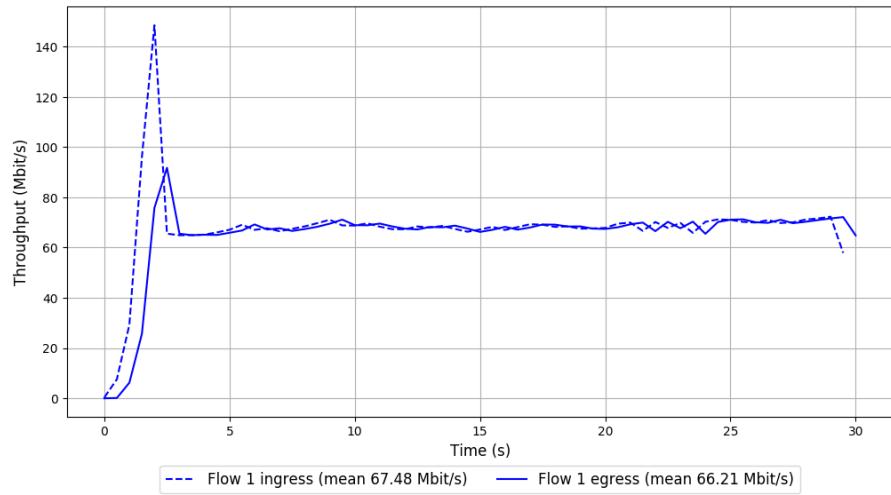


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-18 21:01:41
End at: 2019-01-18 21:02:11
Local clock offset: 0.412 ms
Remote clock offset: 3.935 ms

# Below is generated by plot.py at 2019-01-18 22:15:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 48.877 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 48.877 ms
Loss rate: 1.88%
```

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

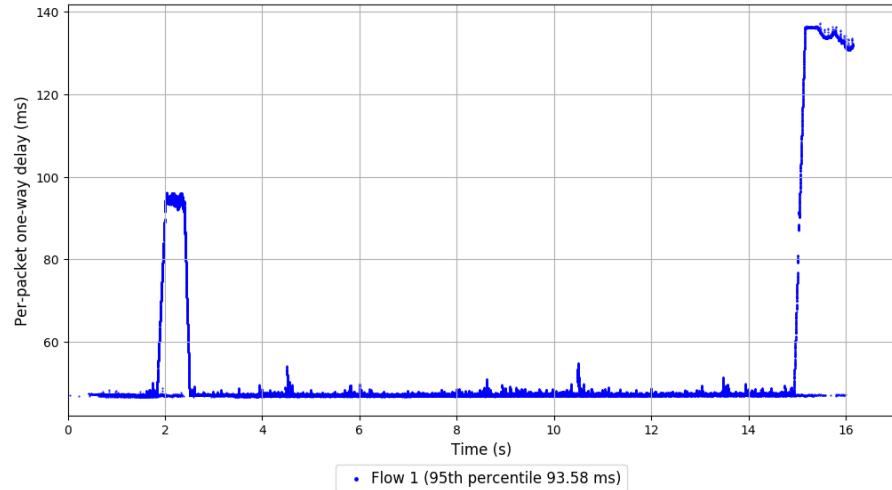
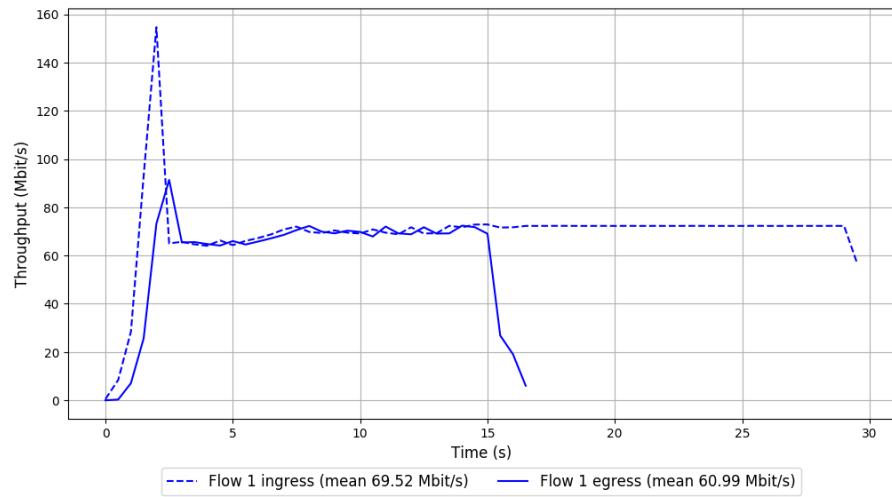
Start at: 2019-01-18 21:27:22

End at: 2019-01-18 21:27:52

Local clock offset: 2.632 ms

Remote clock offset: 13.298 ms

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

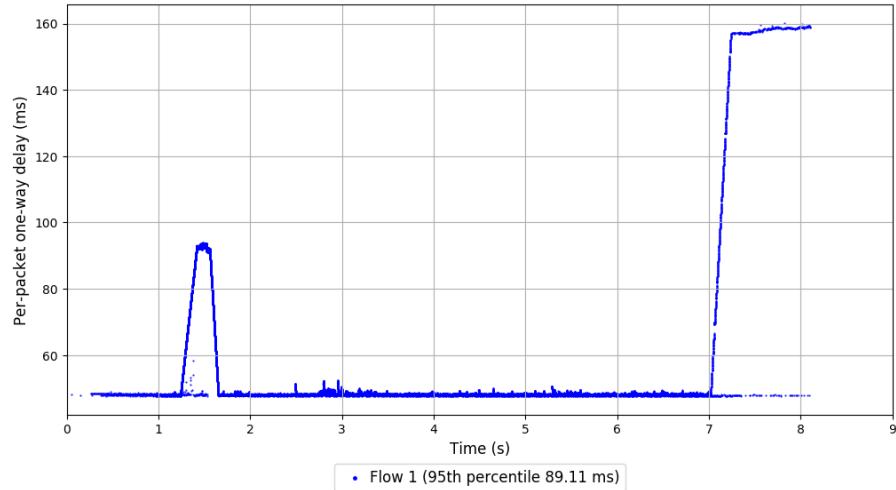
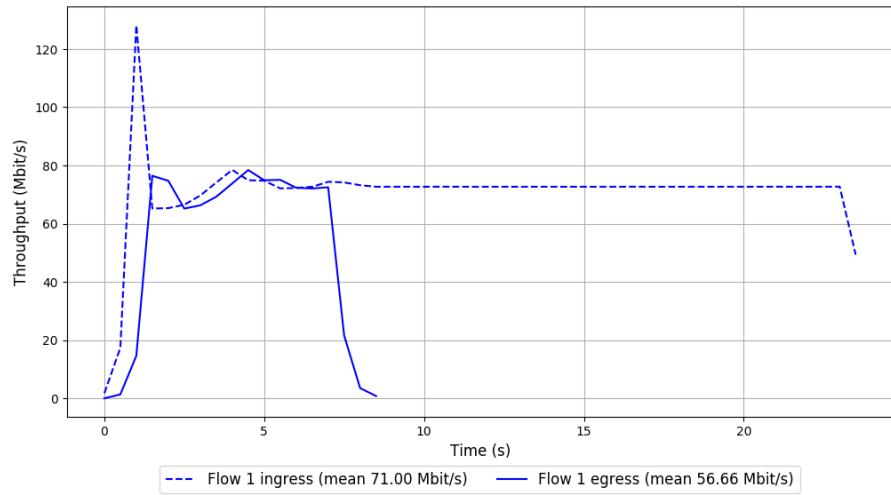
Start at: 2019-01-18 21:53:36

End at: 2019-01-18 21:54:06

Local clock offset: 1.483 ms

Remote clock offset: 4.338 ms

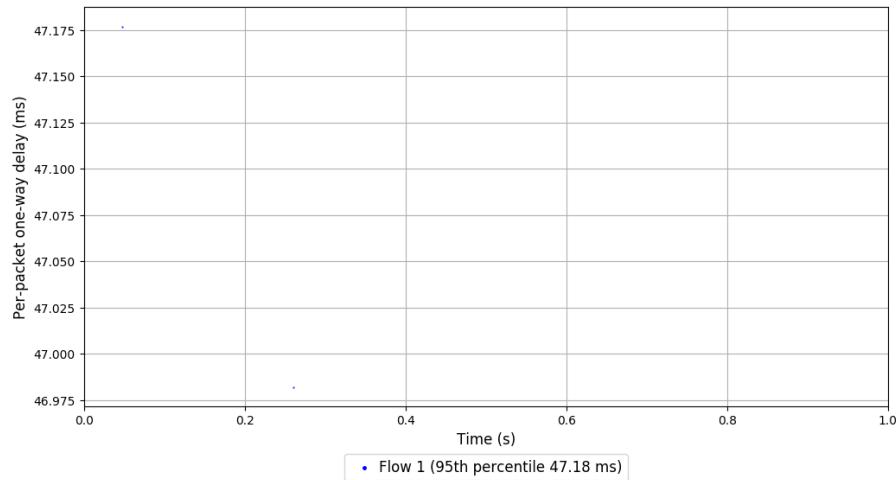
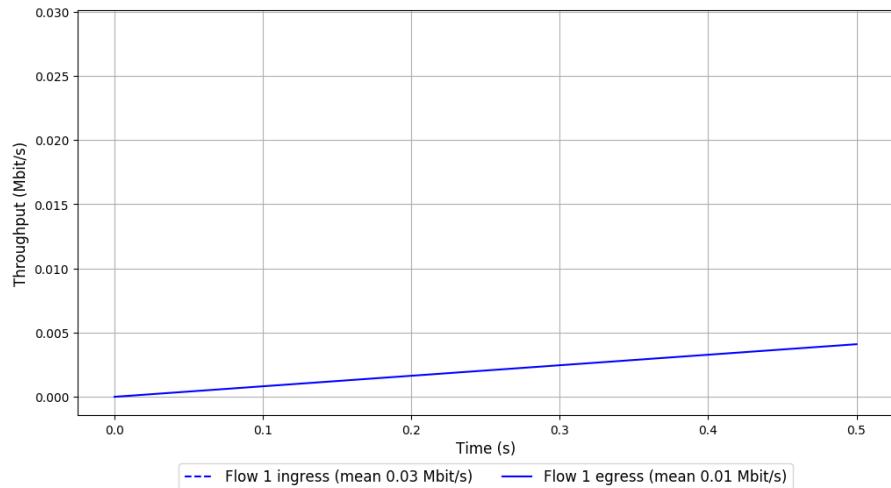
Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-01-18 20:10:52
End at: 2019-01-18 20:11:22
Local clock offset: 8.035 ms
Remote clock offset: -18.651 ms

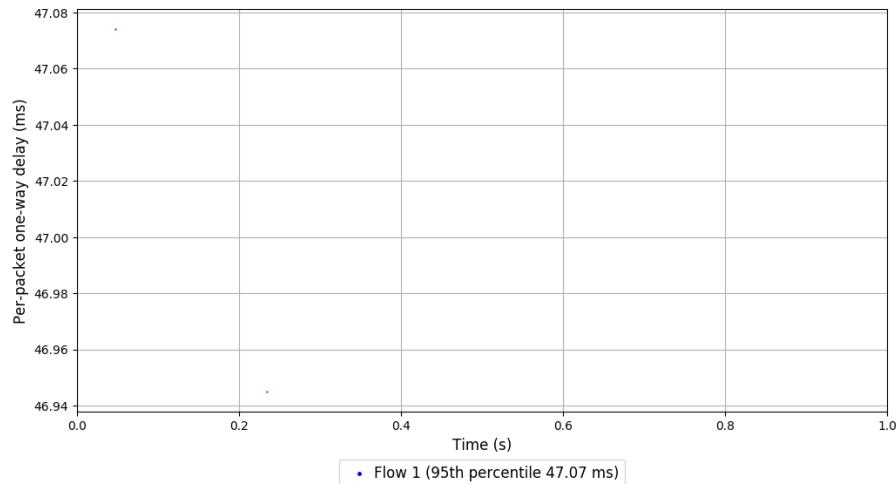
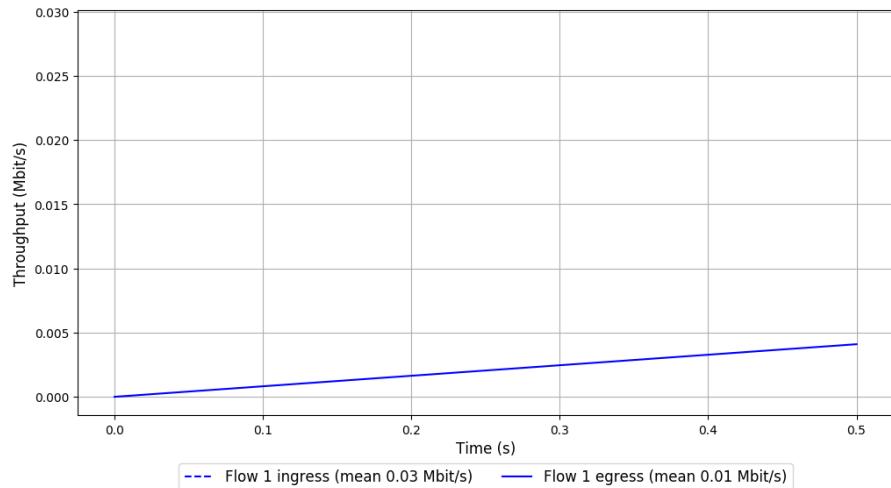
Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-01-18 20:50:29
End at: 2019-01-18 20:50:59
Local clock offset: -0.073 ms
Remote clock offset: -12.569 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

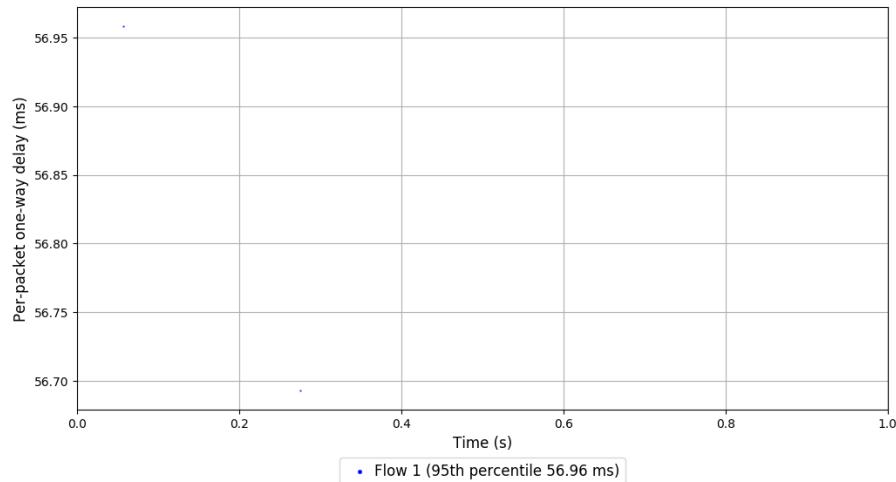
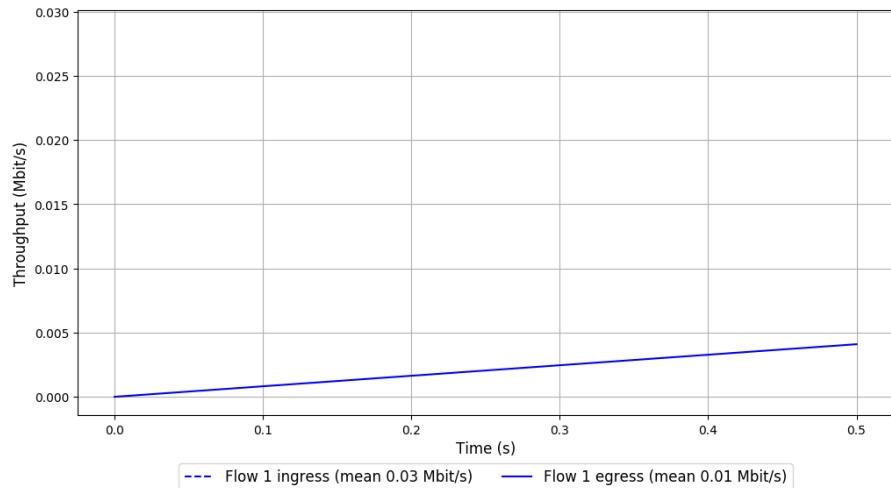
Start at: 2019-01-18 21:17:43

End at: 2019-01-18 21:18:13

Local clock offset: 0.715 ms

Remote clock offset: 12.658 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

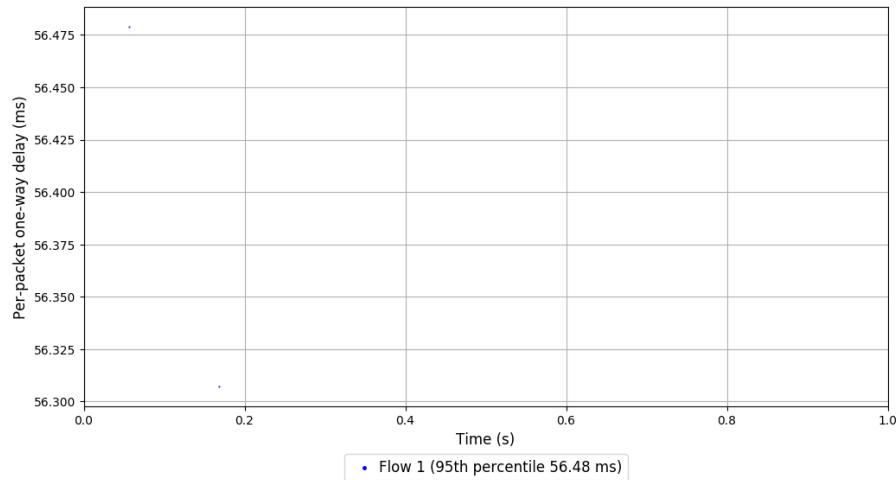
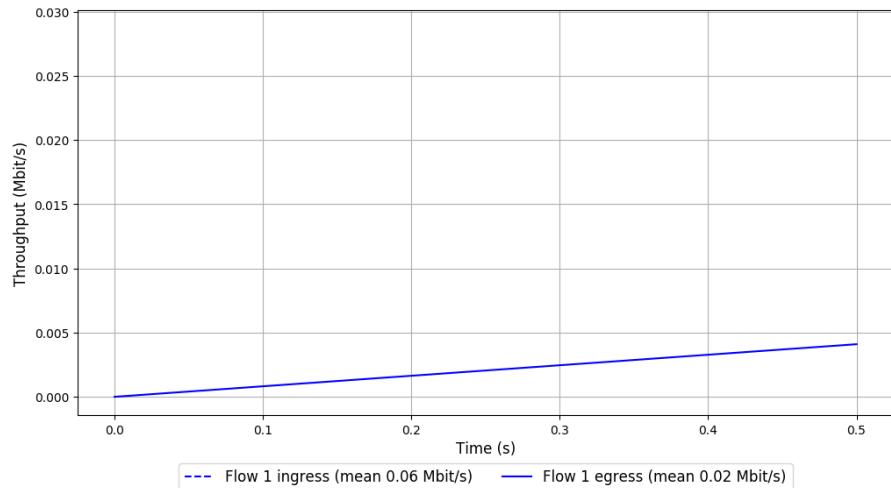
Start at: 2019-01-18 21:44:15

End at: 2019-01-18 21:44:45

Local clock offset: 3.918 ms

Remote clock offset: 5.08 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

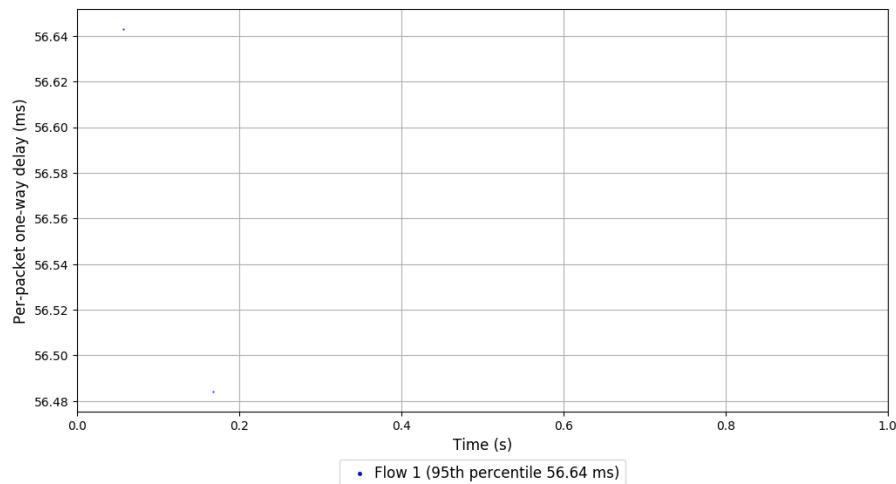
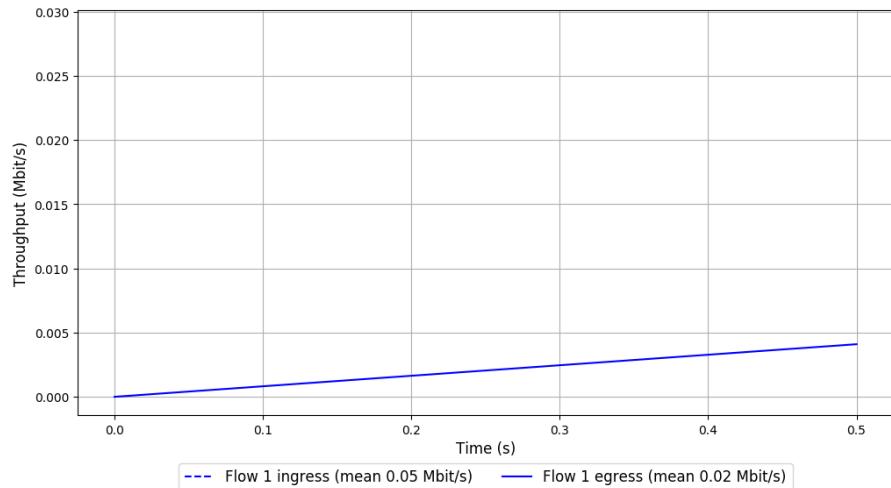
Start at: 2019-01-18 22:10:15

End at: 2019-01-18 22:10:45

Local clock offset: -0.58 ms

Remote clock offset: 2.255 ms

Run 5: Report of PCC-Expr — Data Link

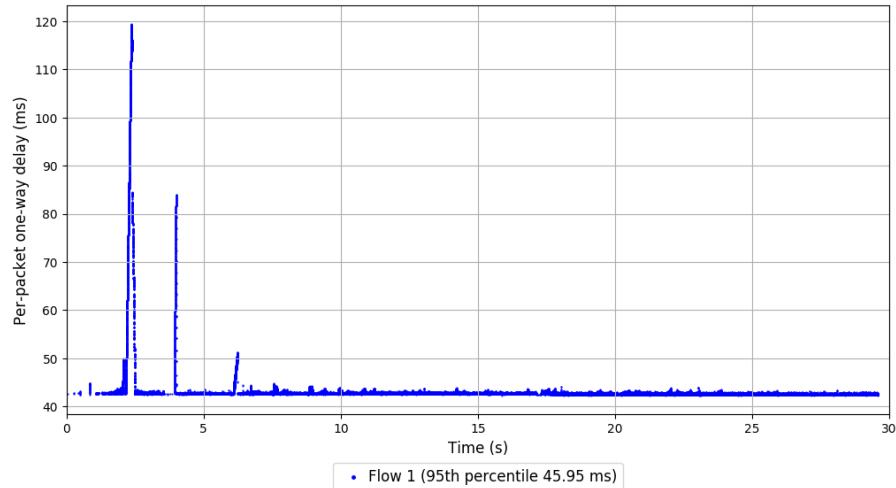
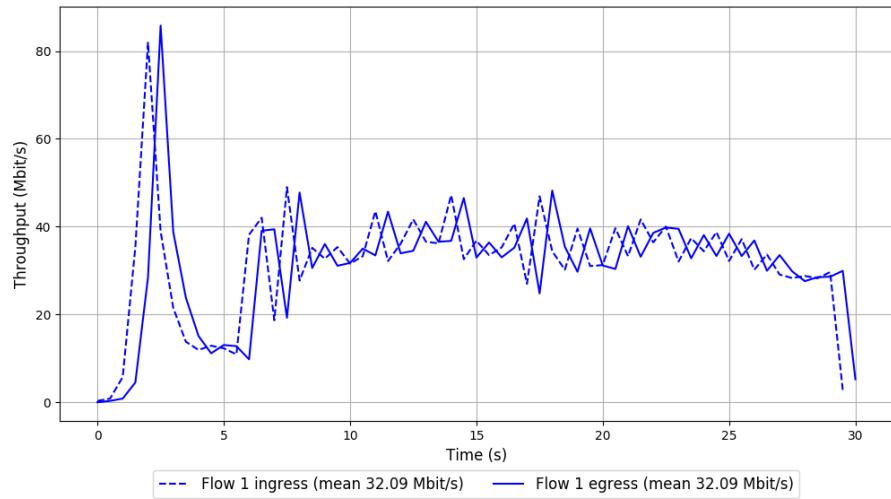


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-01-18 19:29:26
End at: 2019-01-18 19:29:56
Local clock offset: 5.124 ms
Remote clock offset: 66.694 ms

# Below is generated by plot.py at 2019-01-18 22:15:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 45.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 45.954 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

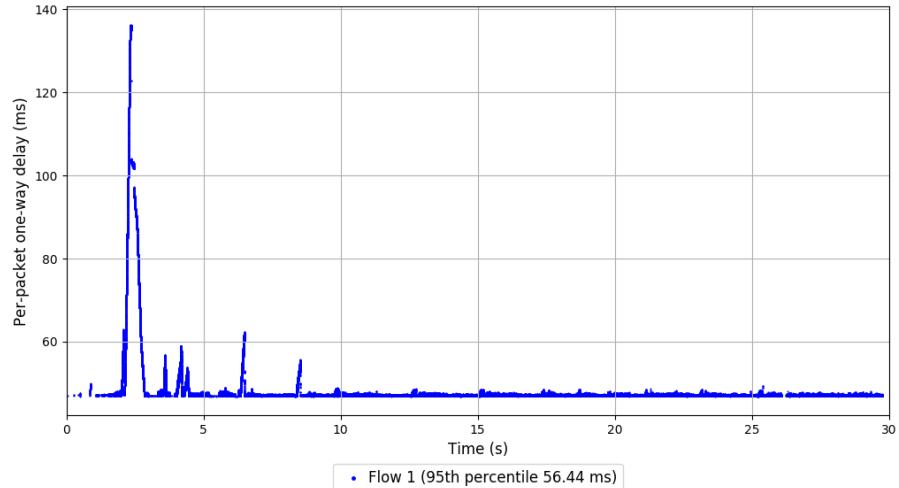
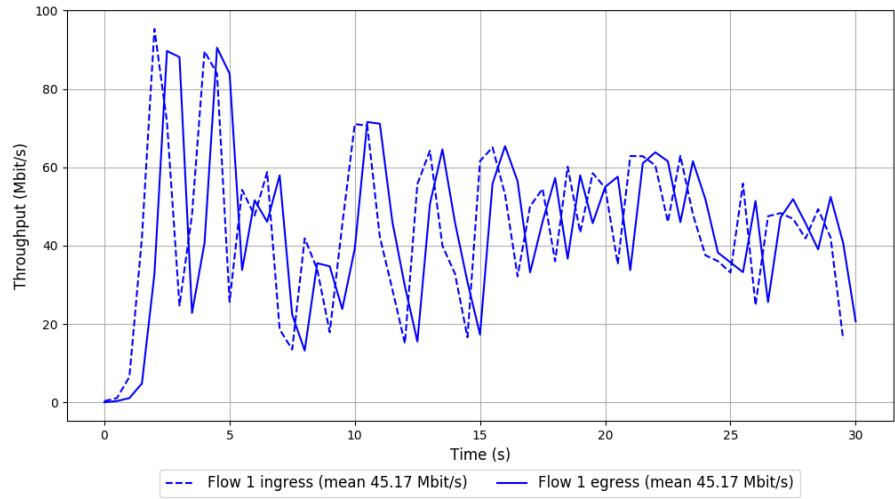


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-18 20:34:30
End at: 2019-01-18 20:35:00
Local clock offset: 0.875 ms
Remote clock offset: -8.36 ms

# Below is generated by plot.py at 2019-01-18 22:15:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 56.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 56.439 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

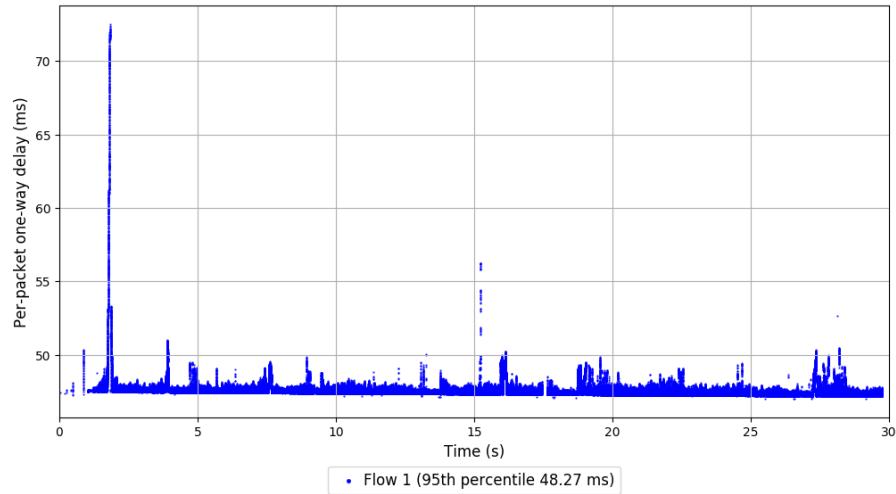
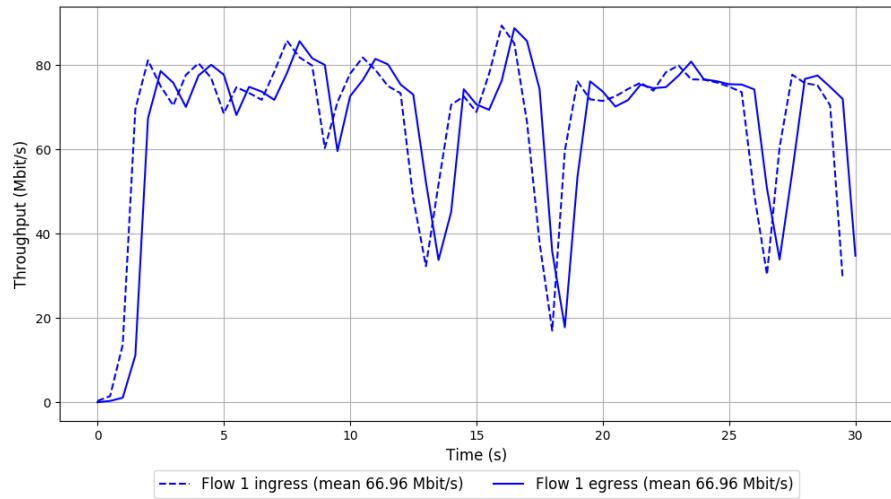


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-18 21:06:36
End at: 2019-01-18 21:07:06
Local clock offset: 0.487 ms
Remote clock offset: 8.391 ms

# Below is generated by plot.py at 2019-01-18 22:16:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.96 Mbit/s
95th percentile per-packet one-way delay: 48.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.96 Mbit/s
95th percentile per-packet one-way delay: 48.268 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

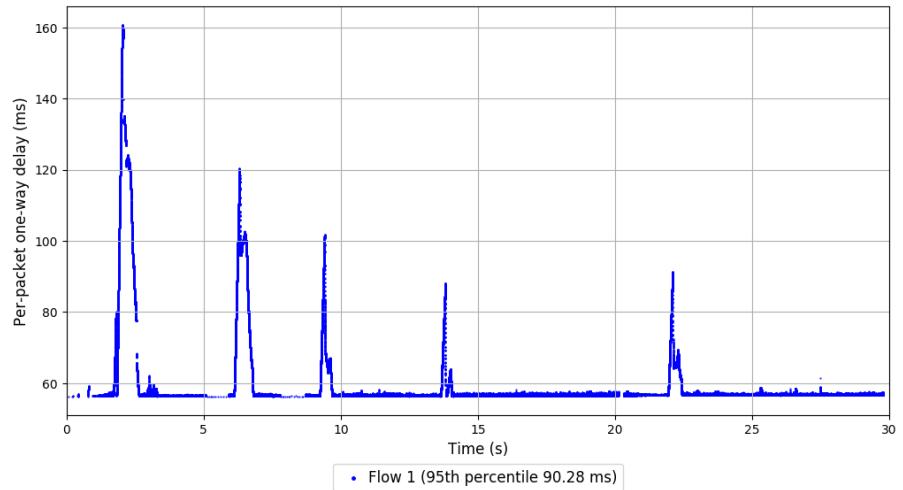
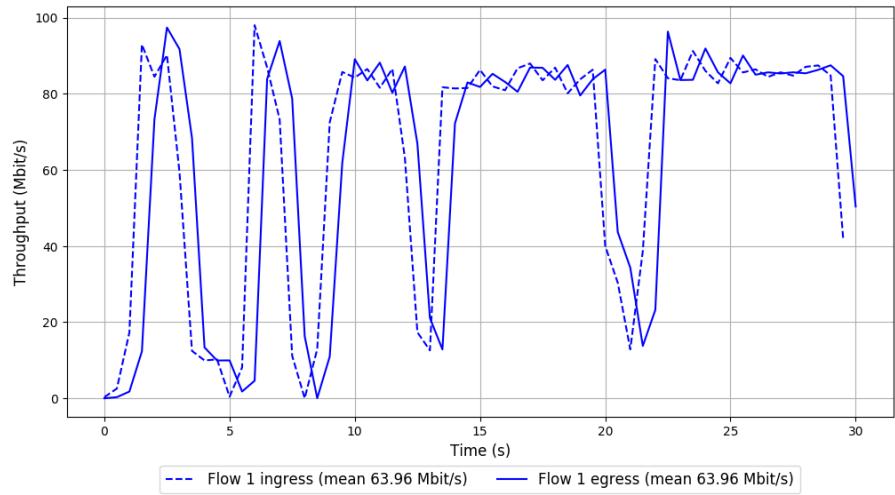


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-18 21:33:04
End at: 2019-01-18 21:33:34
Local clock offset: 3.279 ms
Remote clock offset: 9.381 ms

# Below is generated by plot.py at 2019-01-18 22:16:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 90.283 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 90.283 ms
Loss rate: 0.03%
```

Run 4: Report of QUIC Cubic — Data Link

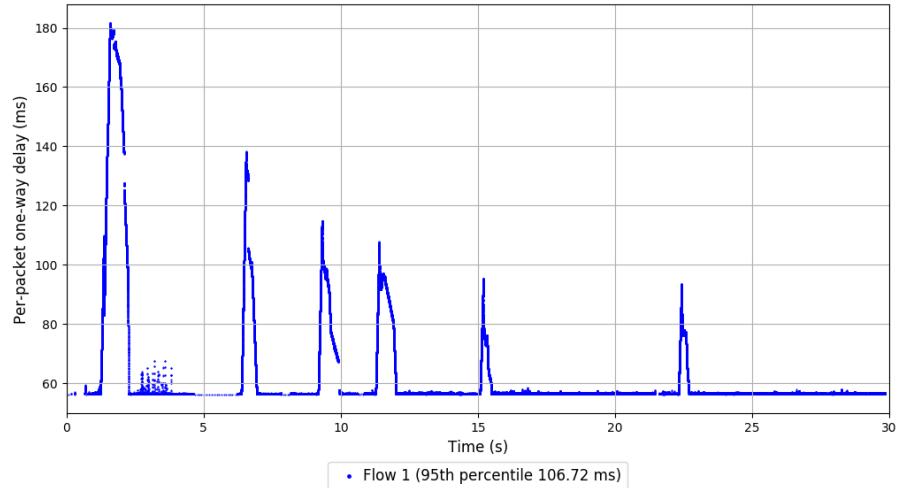
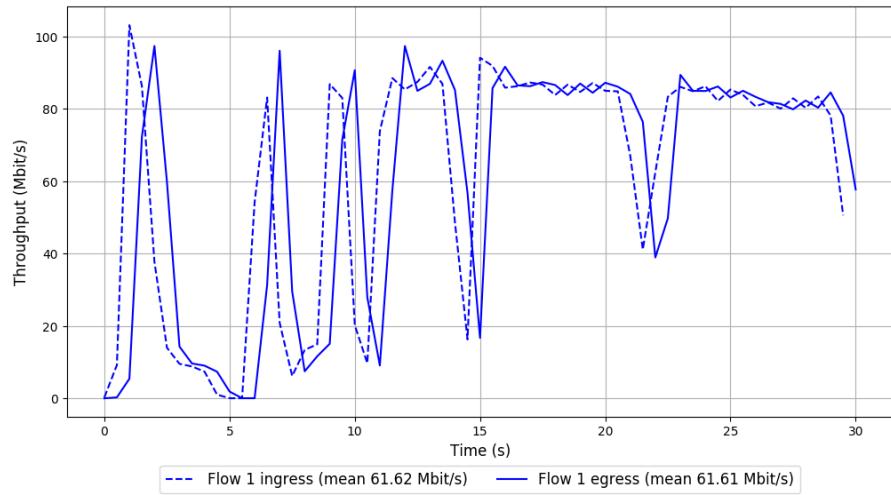


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-18 21:58:38
End at: 2019-01-18 21:59:08
Local clock offset: 0.665 ms
Remote clock offset: 3.022 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 106.722 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 106.722 ms
Loss rate: 0.04%
```

Run 5: Report of QUIC Cubic — Data Link

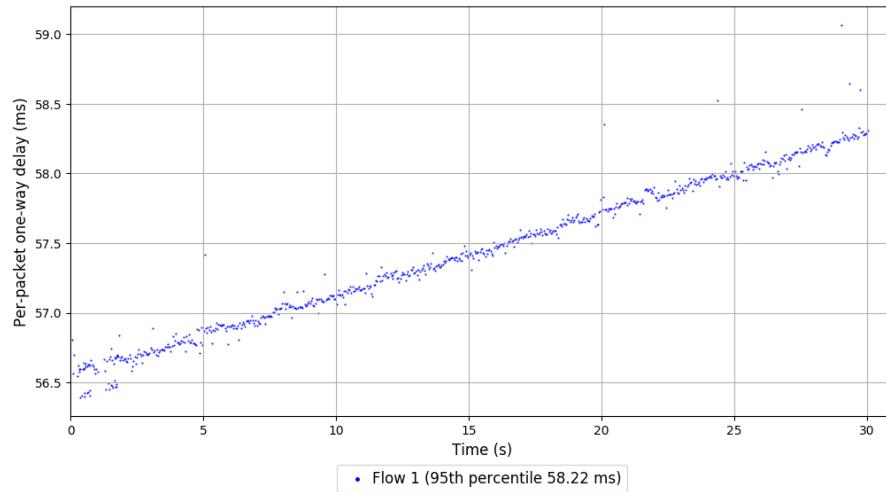
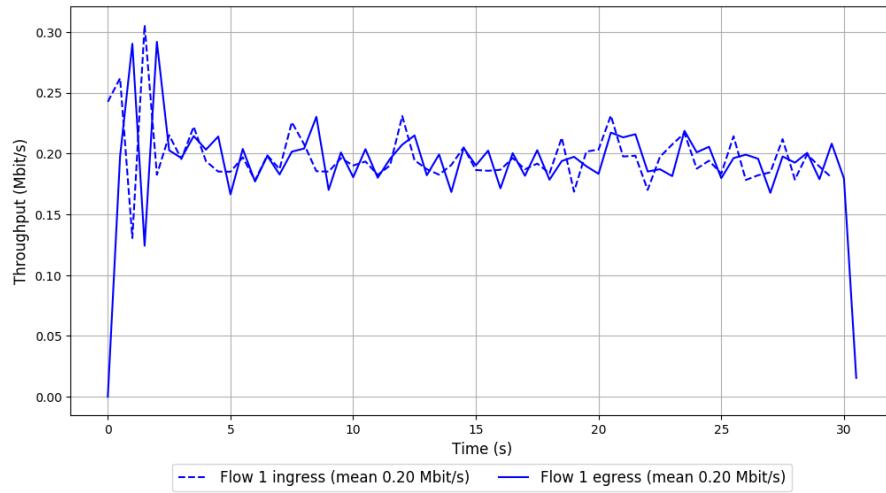


```
Run 1: Statistics of SCReAM

Start at: 2019-01-18 19:55:40
End at: 2019-01-18 19:56:10
Local clock offset: 7.002 ms
Remote clock offset: 15.411 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 58.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 58.220 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

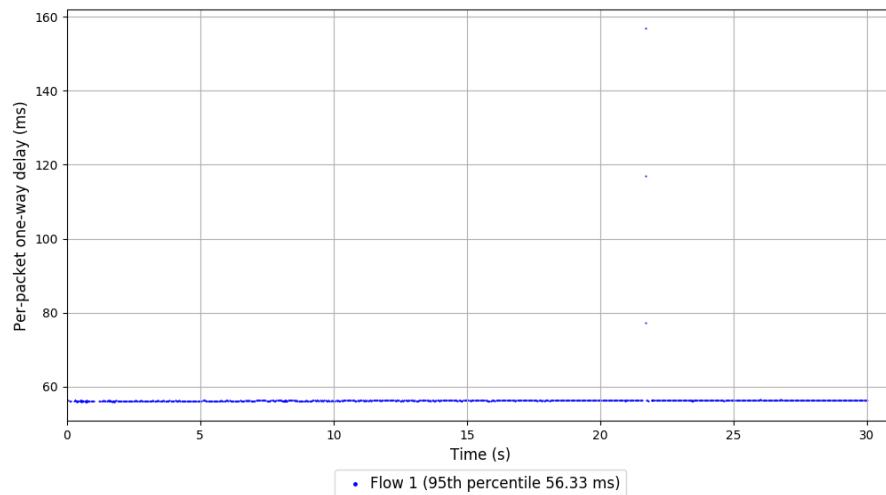
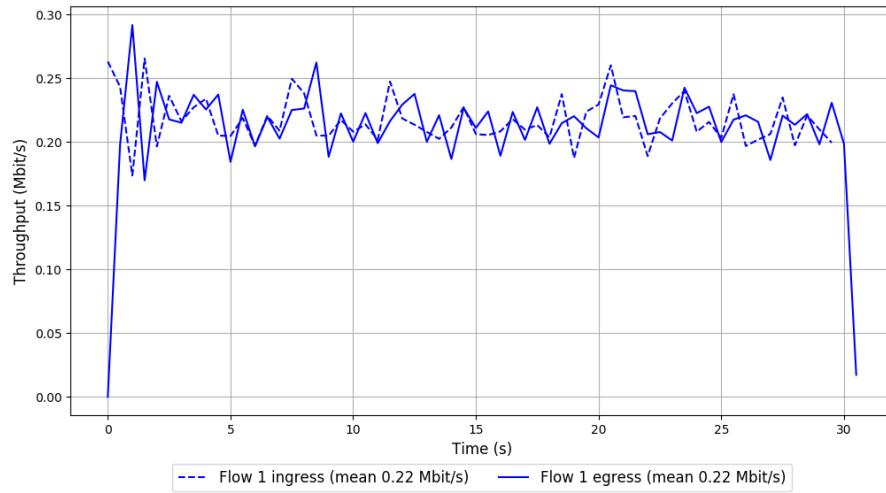


Run 2: Statistics of SCReAM

```
Start at: 2019-01-18 20:46:13
End at: 2019-01-18 20:46:43
Local clock offset: -0.219 ms
Remote clock offset: -10.942 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.329 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

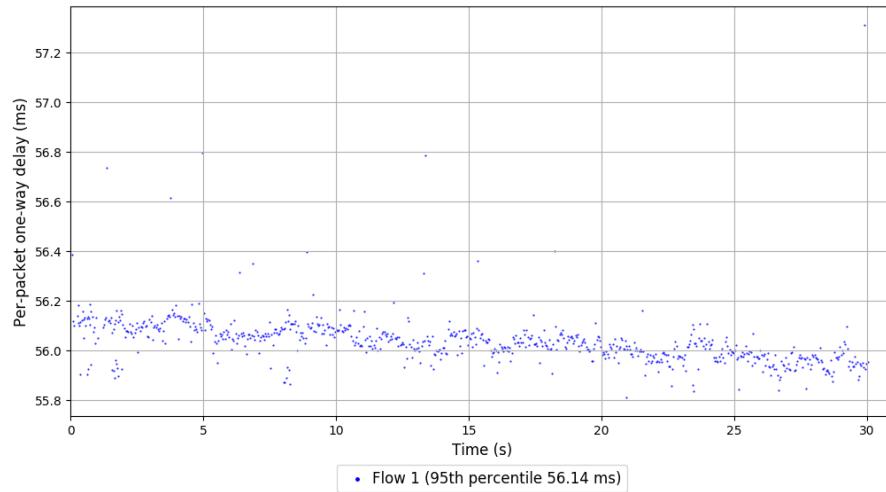
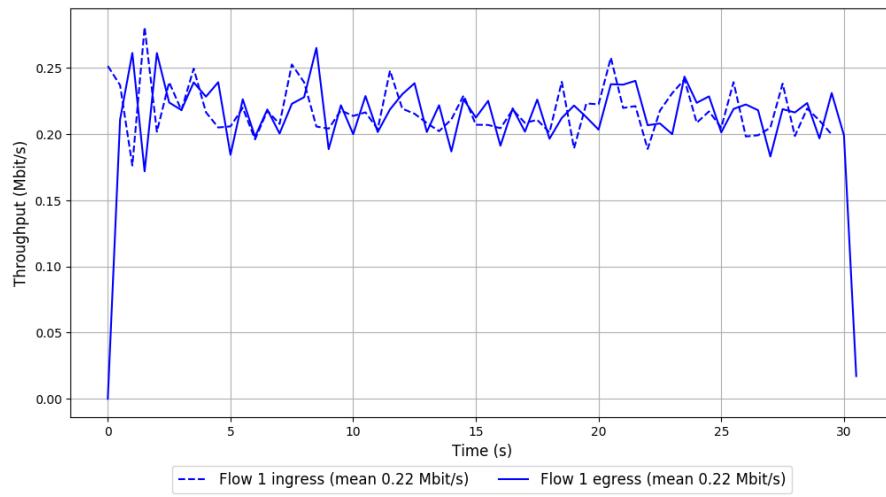


Run 3: Statistics of SCReAM

```
Start at: 2019-01-18 21:14:08
End at: 2019-01-18 21:14:38
Local clock offset: 0.442 ms
Remote clock offset: 11.264 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.139 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

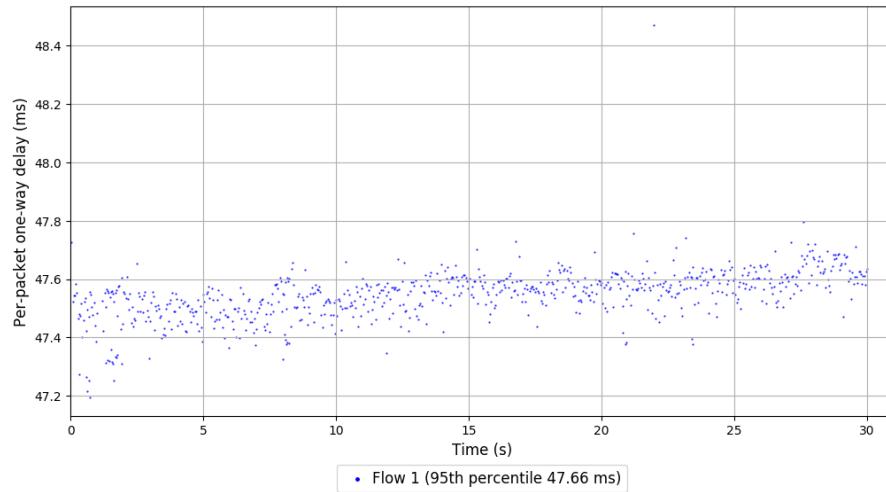
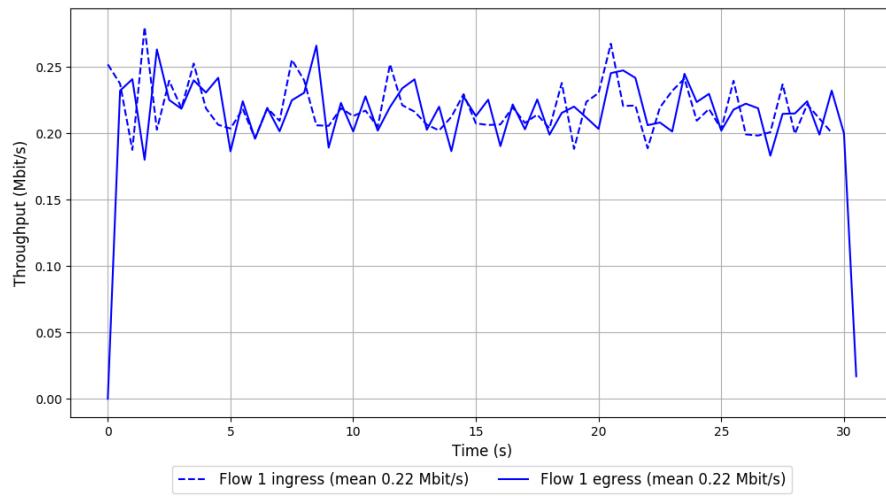


Run 4: Statistics of SCReAM

```
Start at: 2019-01-18 21:40:16
End at: 2019-01-18 21:40:46
Local clock offset: 3.476 ms
Remote clock offset: 6.027 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.660 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

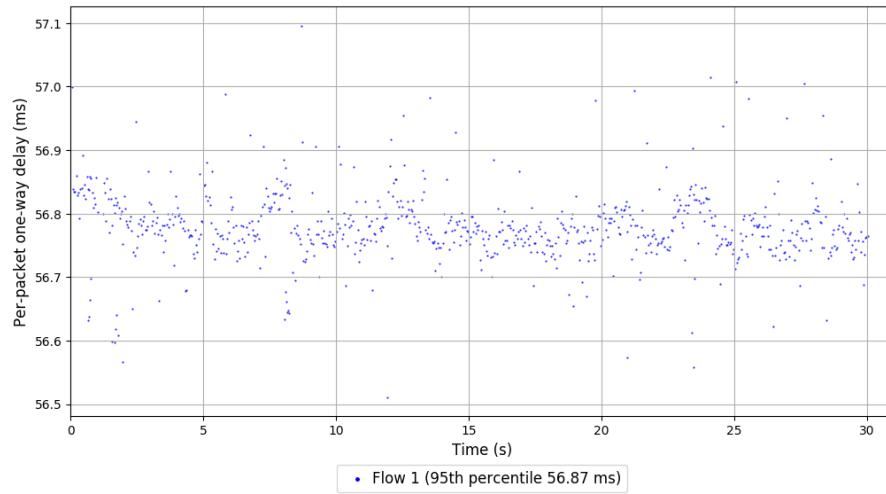
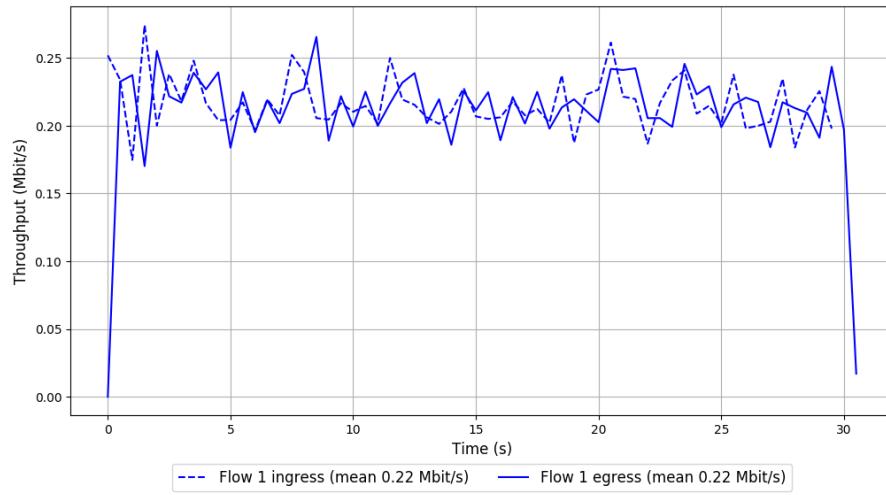


Run 5: Statistics of SCReAM

```
Start at: 2019-01-18 22:05:52
End at: 2019-01-18 22:06:22
Local clock offset: -0.058 ms
Remote clock offset: 2.603 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.867 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

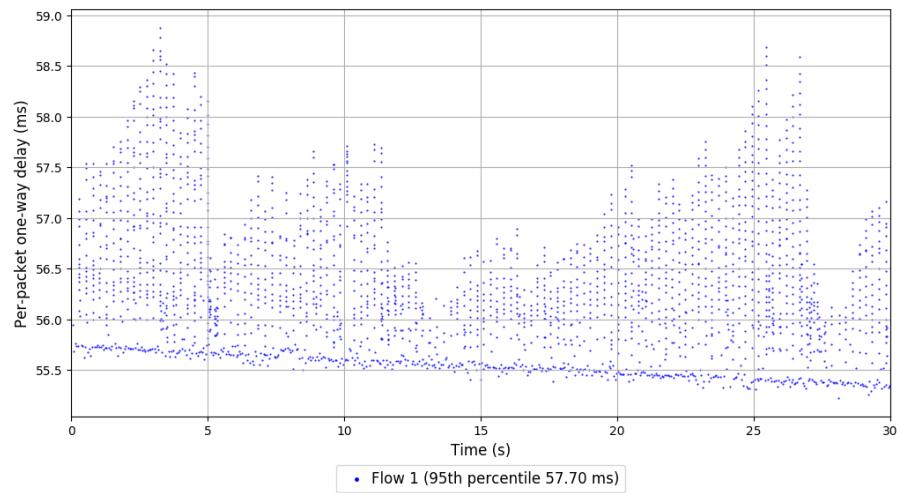
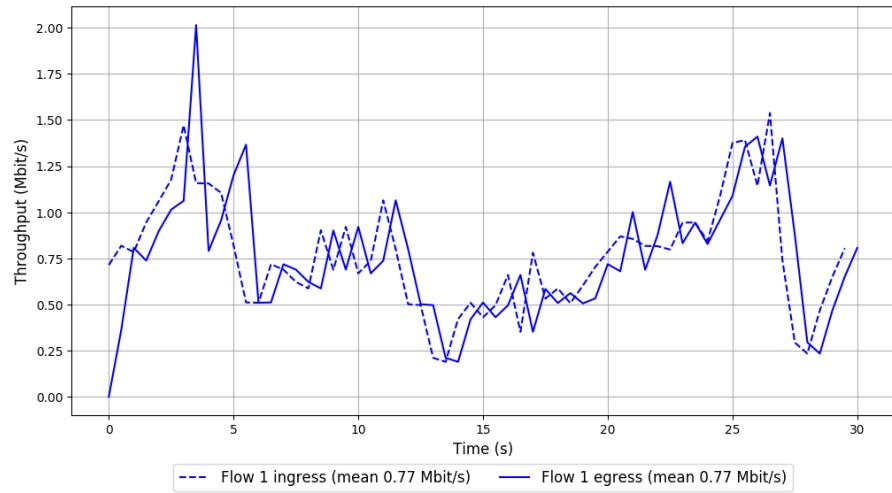


Run 1: Statistics of Sprout

```
Start at: 2019-01-18 19:19:50
End at: 2019-01-18 19:20:20
Local clock offset: 4.693 ms
Remote clock offset: 64.165 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 57.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 57.696 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

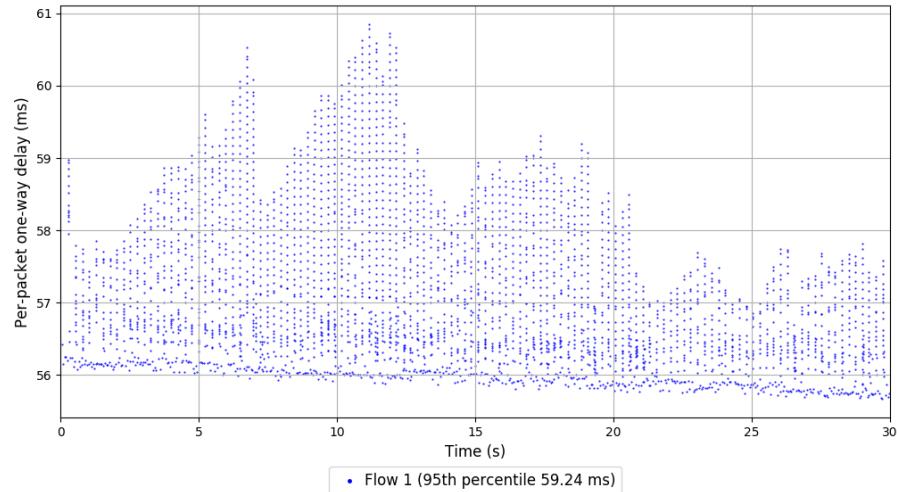
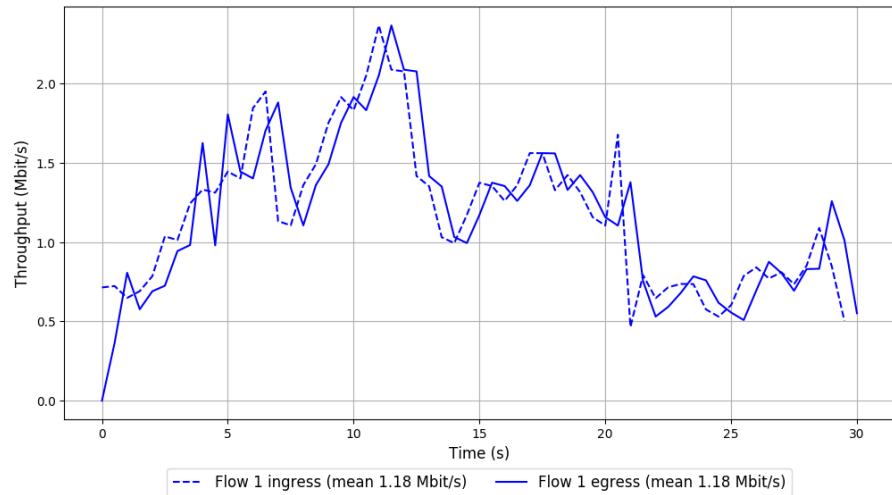


Run 2: Statistics of Sprout

```
Start at: 2019-01-18 20:29:28
End at: 2019-01-18 20:29:58
Local clock offset: 1.908 ms
Remote clock offset: -10.499 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 59.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 59.237 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

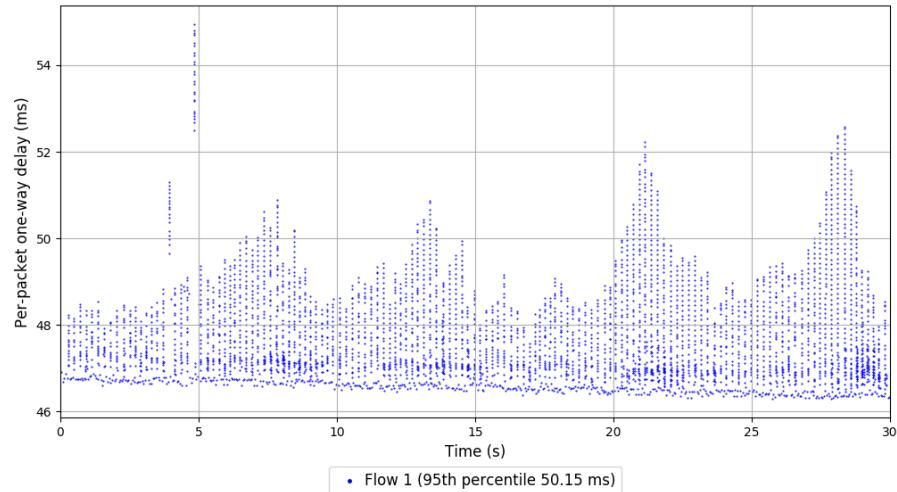
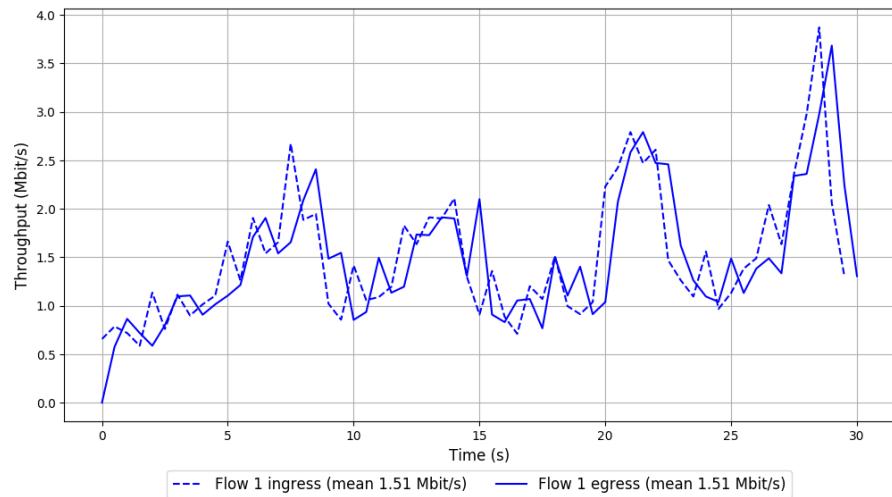


Run 3: Statistics of Sprout

```
Start at: 2019-01-18 21:04:13
End at: 2019-01-18 21:04:43
Local clock offset: 0.502 ms
Remote clock offset: 5.787 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 50.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 50.149 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

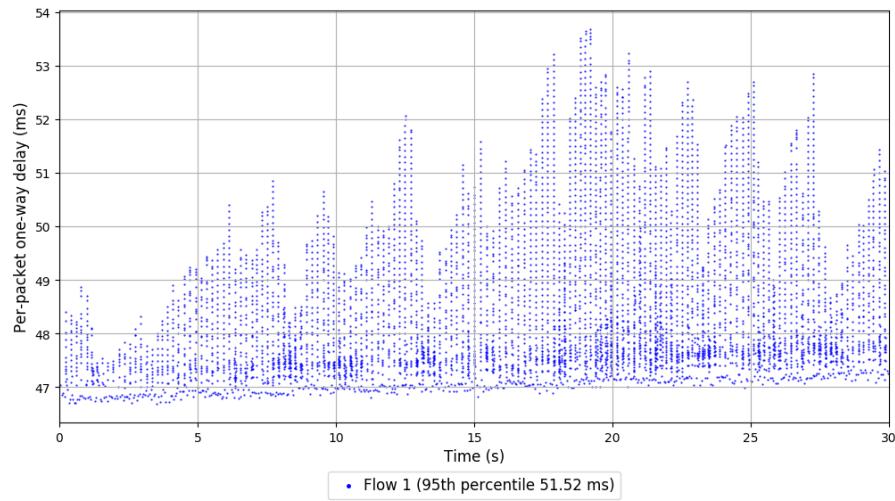
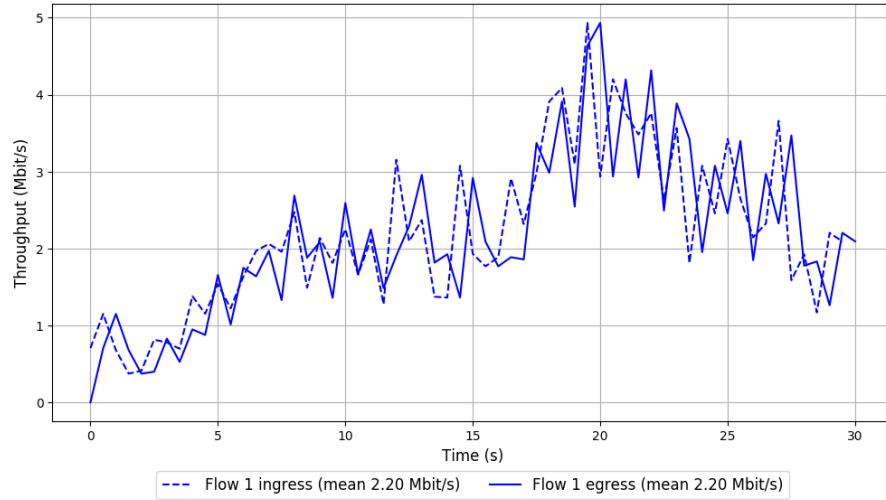


Run 4: Statistics of Sprout

```
Start at: 2019-01-18 21:29:43
End at: 2019-01-18 21:30:13
Local clock offset: 3.113 ms
Remote clock offset: 11.383 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 51.520 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 51.520 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

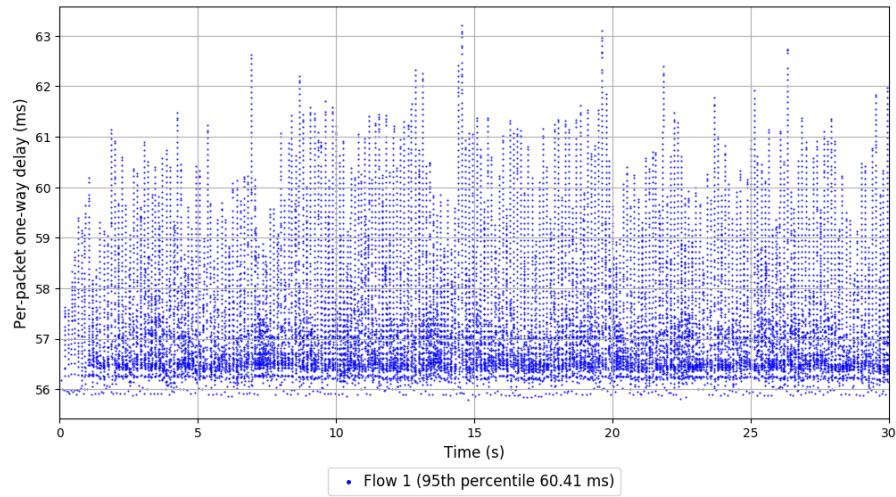
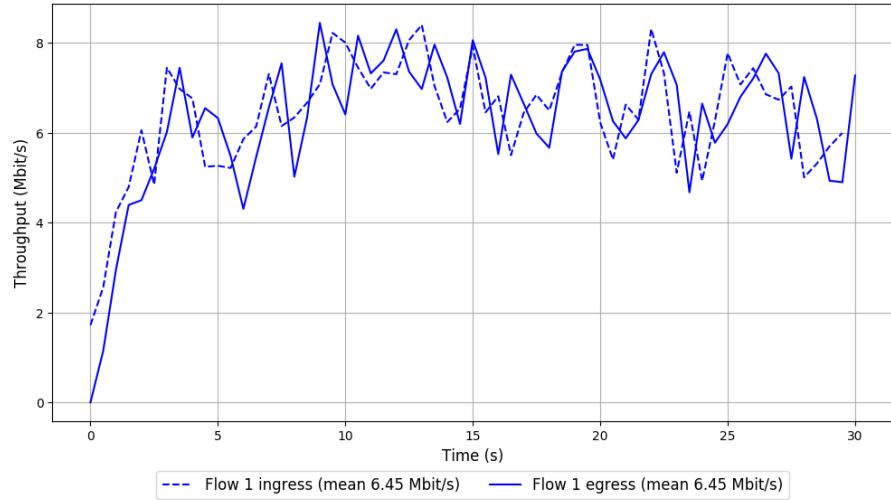


Run 5: Statistics of Sprout

```
Start at: 2019-01-18 21:56:14
End at: 2019-01-18 21:56:44
Local clock offset: 0.906 ms
Remote clock offset: 3.059 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 60.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 60.408 ms
Loss rate: 0.00%
```

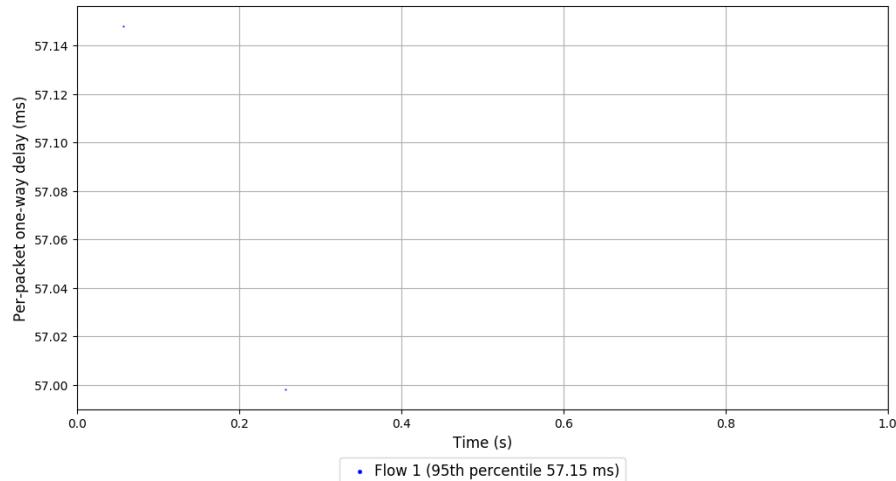
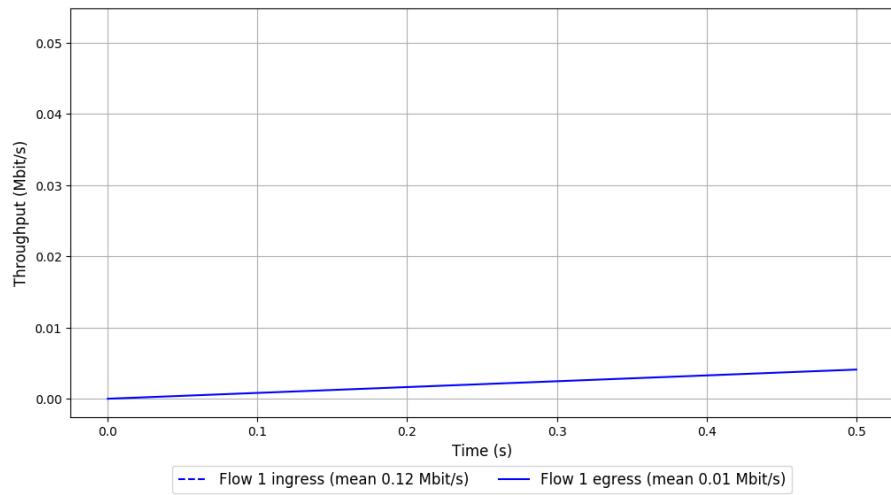
Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-01-18 18:49:37
End at: 2019-01-18 18:50:07
Local clock offset: -2.731 ms
Remote clock offset: 38.874 ms

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

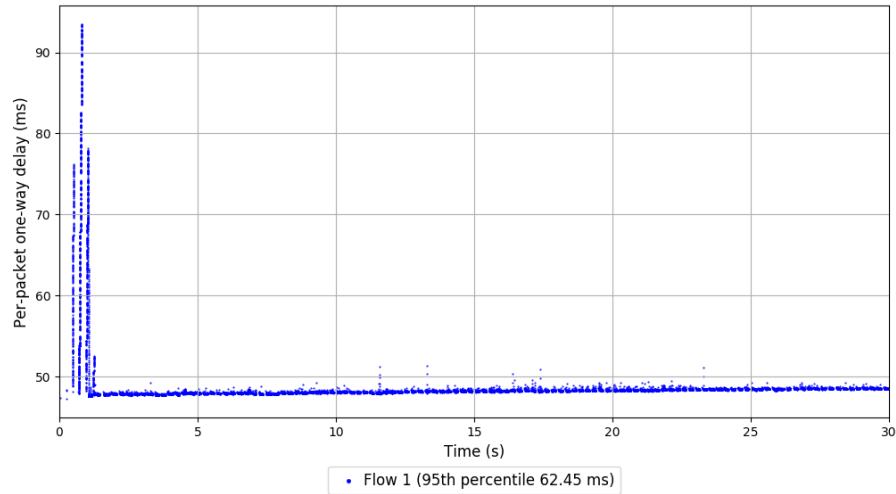
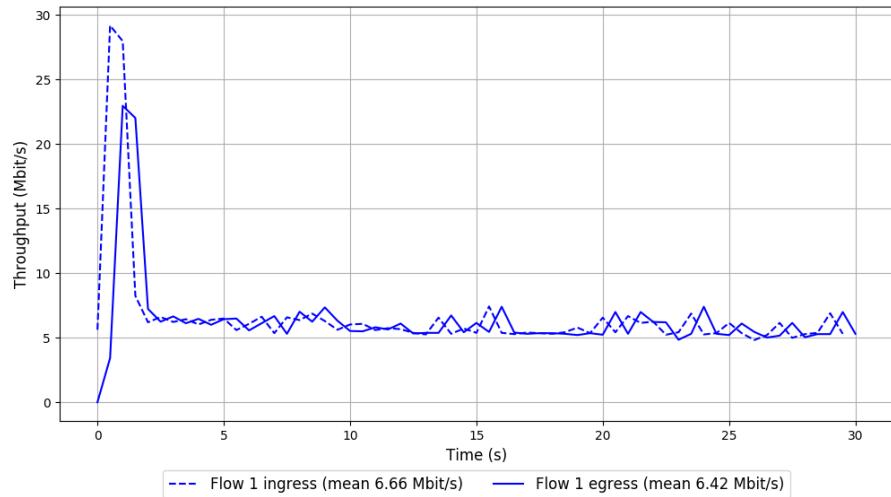


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-01-18 20:12:04
End at: 2019-01-18 20:12:34
Local clock offset: 7.904 ms
Remote clock offset: -20.652 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 62.449 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 62.449 ms
Loss rate: 3.60%
```

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

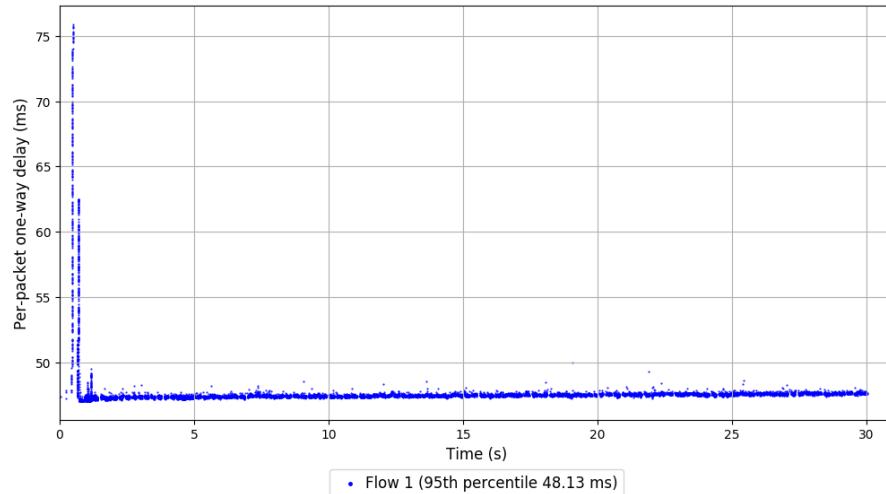
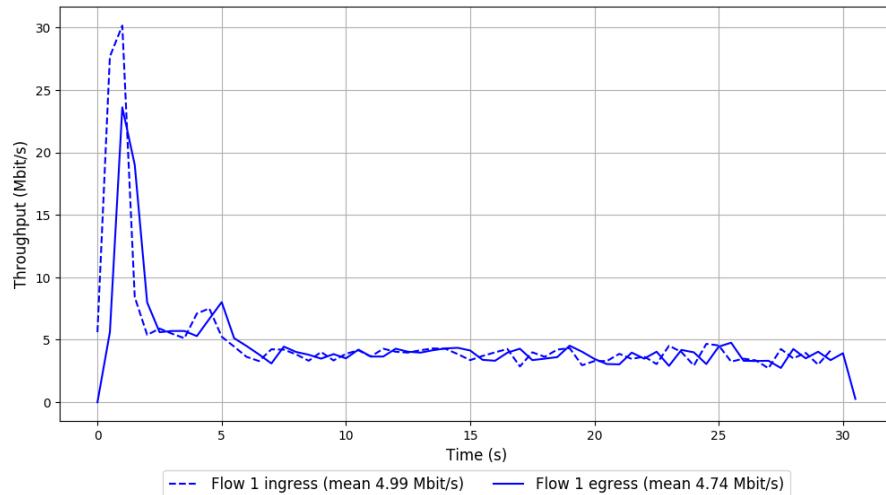


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-01-18 20:51:39
End at: 2019-01-18 20:52:09
Local clock offset: 0.107 ms
Remote clock offset: -13.323 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 48.135 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 48.135 ms
Loss rate: 4.93%
```

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

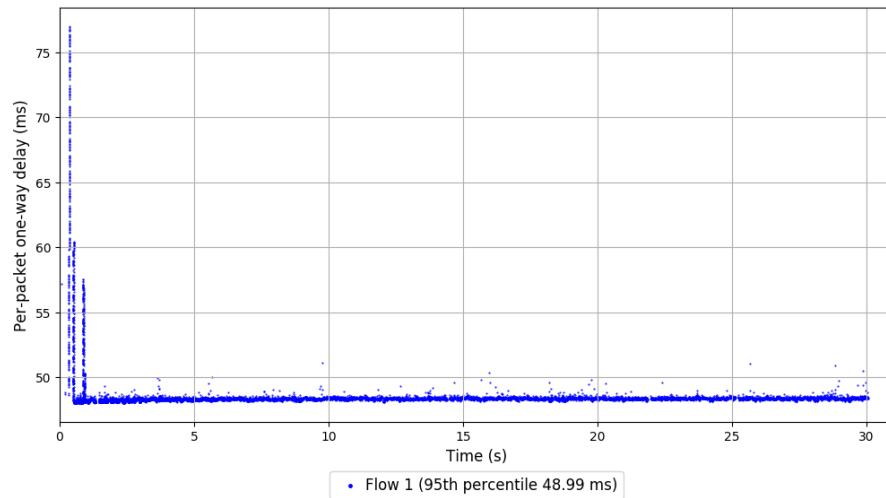
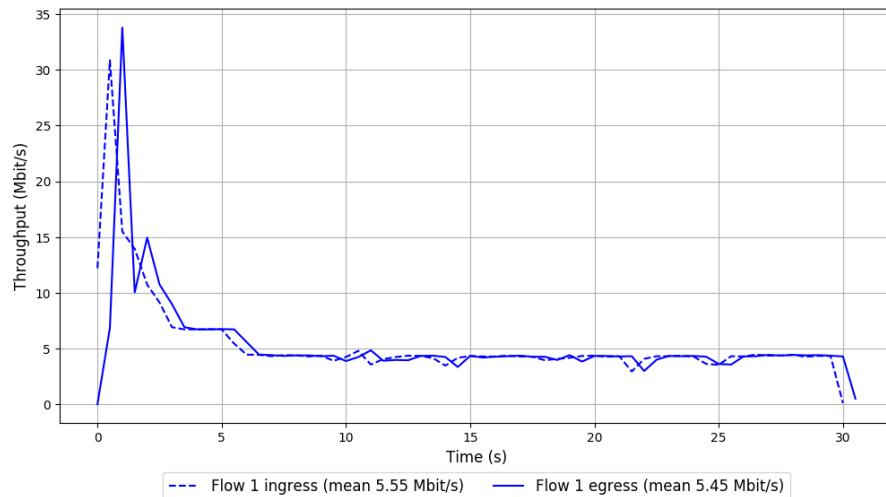


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-01-18 21:18:52
End at: 2019-01-18 21:19:22
Local clock offset: 0.769 ms
Remote clock offset: 13.068 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 48.988 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 48.988 ms
Loss rate: 1.91%
```

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

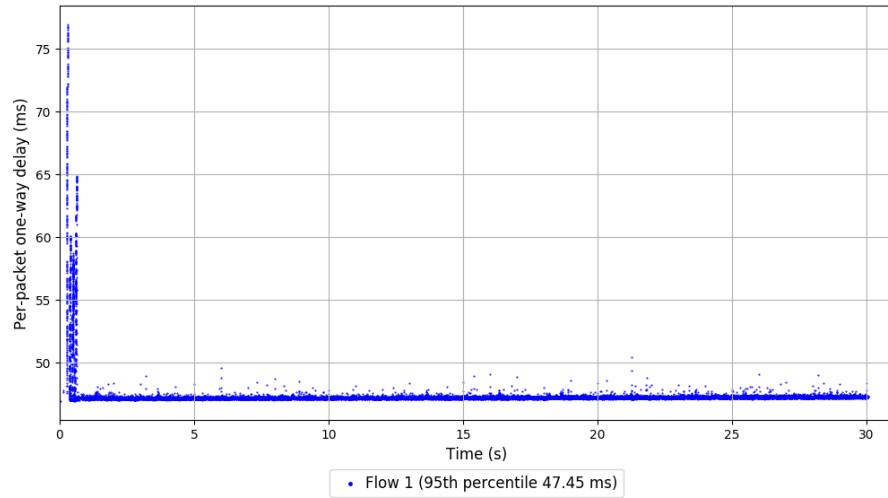
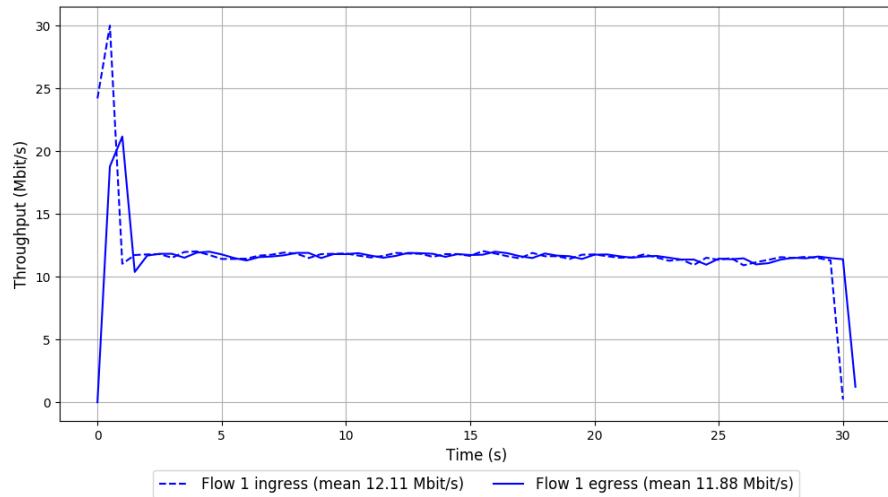


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-01-18 21:45:22
End at: 2019-01-18 21:45:52
Local clock offset: 3.812 ms
Remote clock offset: 4.839 ms

# Below is generated by plot.py at 2019-01-18 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 47.451 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 47.451 ms
Loss rate: 1.90%
```

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

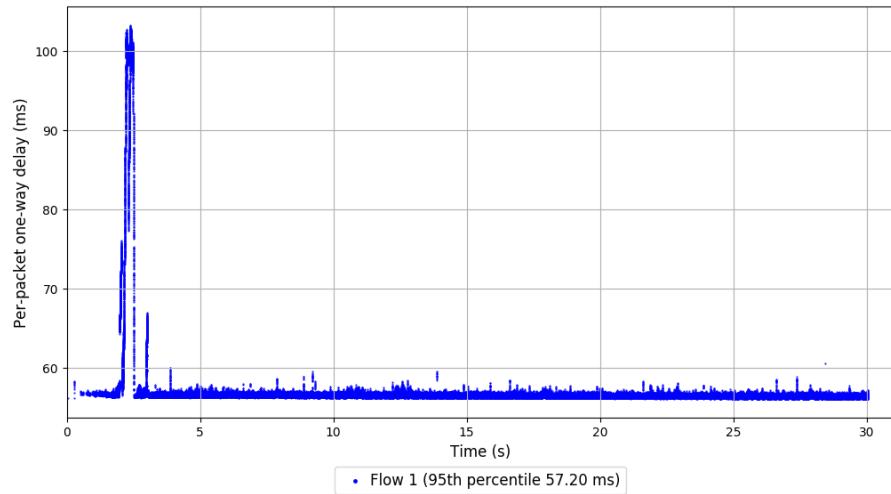
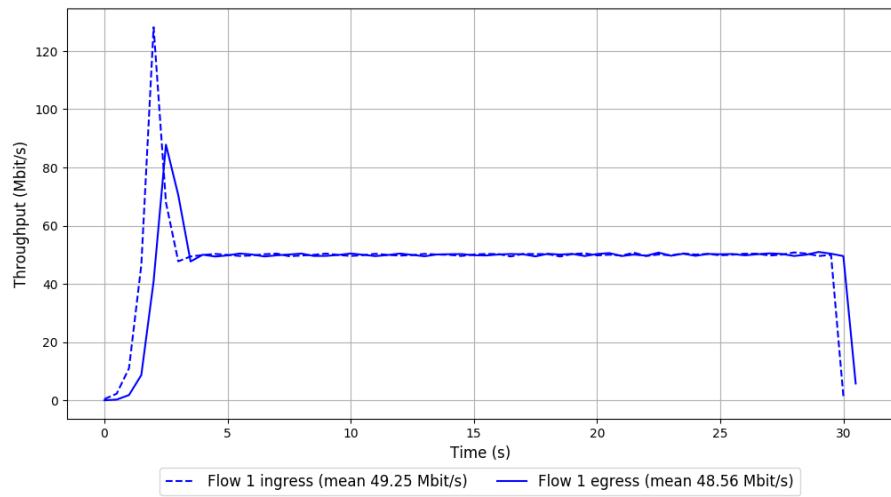


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-18 19:39:13
End at: 2019-01-18 19:39:43
Local clock offset: 6.102 ms
Remote clock offset: 76.405 ms

# Below is generated by plot.py at 2019-01-18 22:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 57.197 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 57.197 ms
Loss rate: 1.41%
```

Run 1: Report of TCP Vegas — Data Link

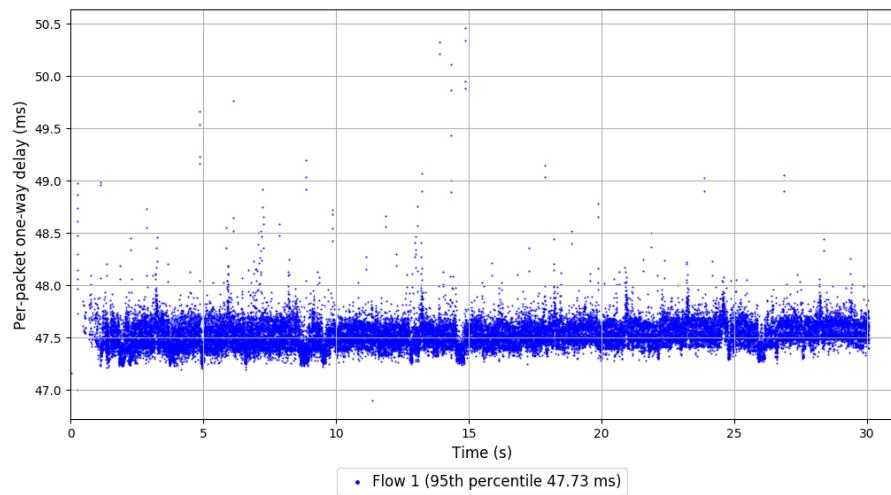
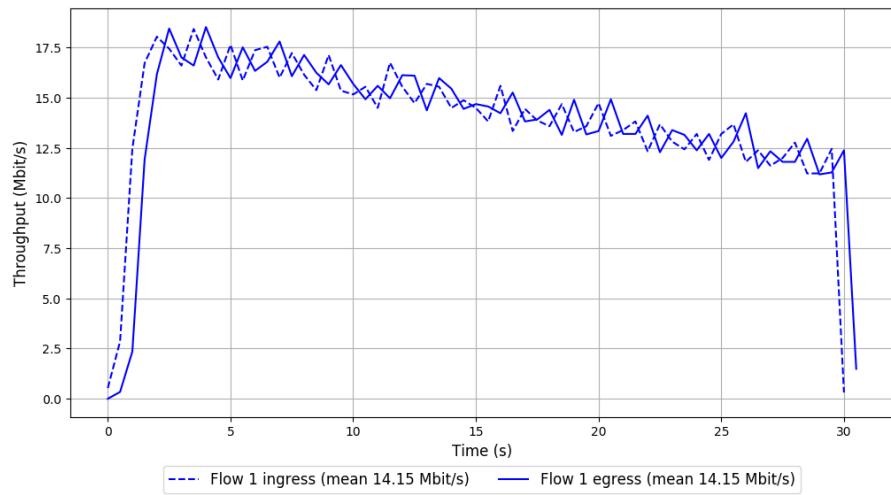


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-18 20:39:33
End at: 2019-01-18 20:40:03
Local clock offset: 0.174 ms
Remote clock offset: -8.758 ms

# Below is generated by plot.py at 2019-01-18 22:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 47.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 47.728 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

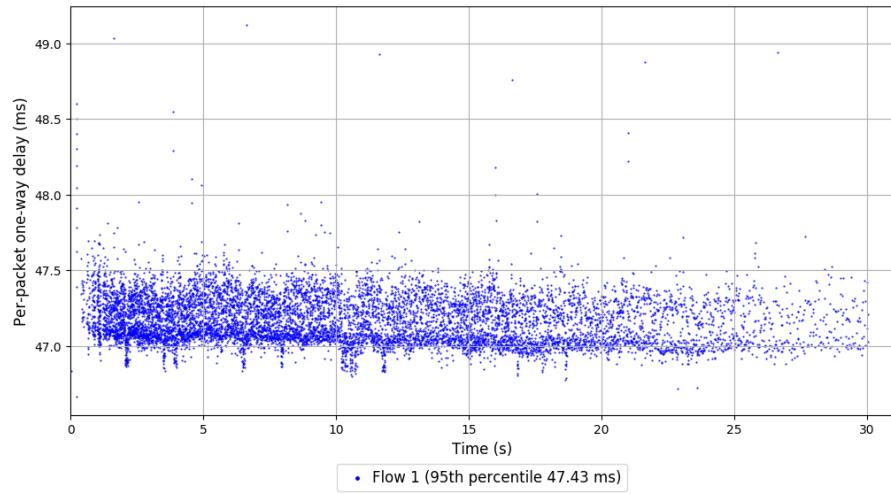
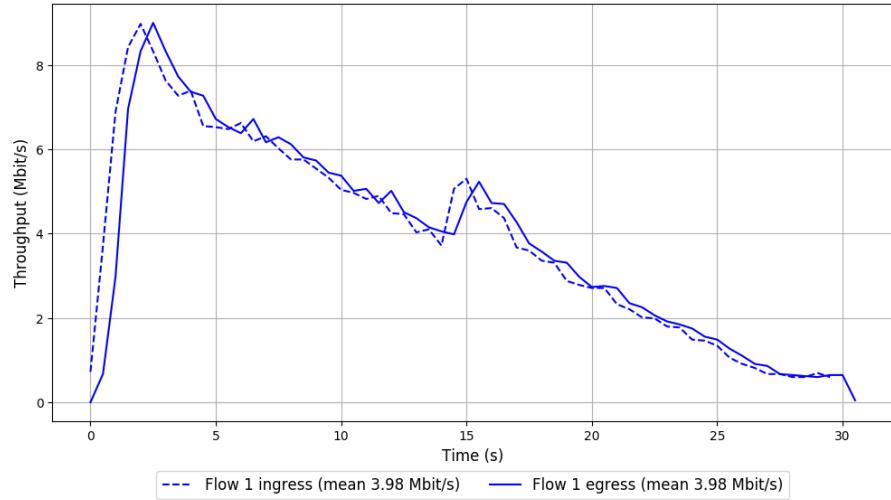


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-18 21:09:20
End at: 2019-01-18 21:09:50
Local clock offset: 0.429 ms
Remote clock offset: 9.035 ms

# Below is generated by plot.py at 2019-01-18 22:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 47.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 47.434 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

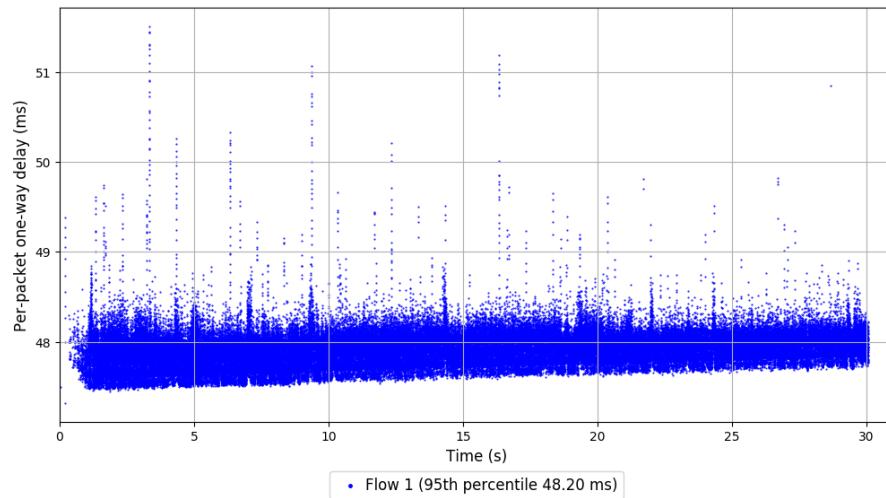
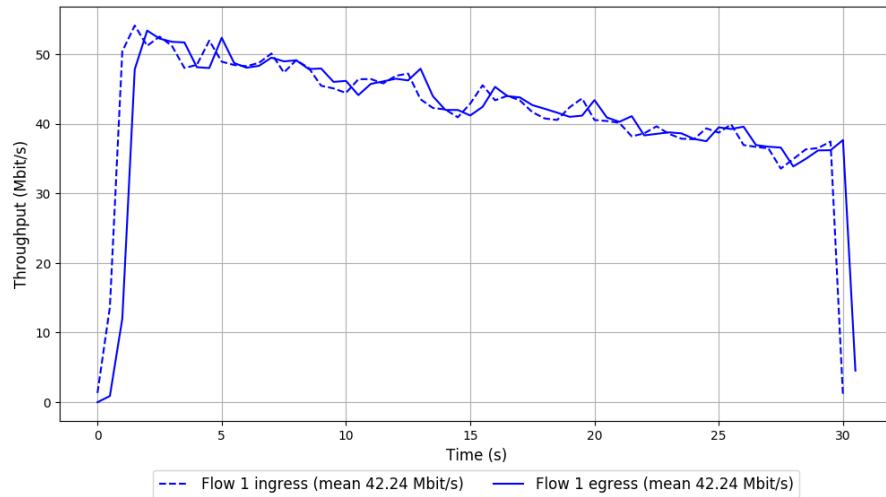


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-18 21:35:32
End at: 2019-01-18 21:36:02
Local clock offset: 3.556 ms
Remote clock offset: 7.977 ms

# Below is generated by plot.py at 2019-01-18 22:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.24 Mbit/s
95th percentile per-packet one-way delay: 48.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.24 Mbit/s
95th percentile per-packet one-way delay: 48.201 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

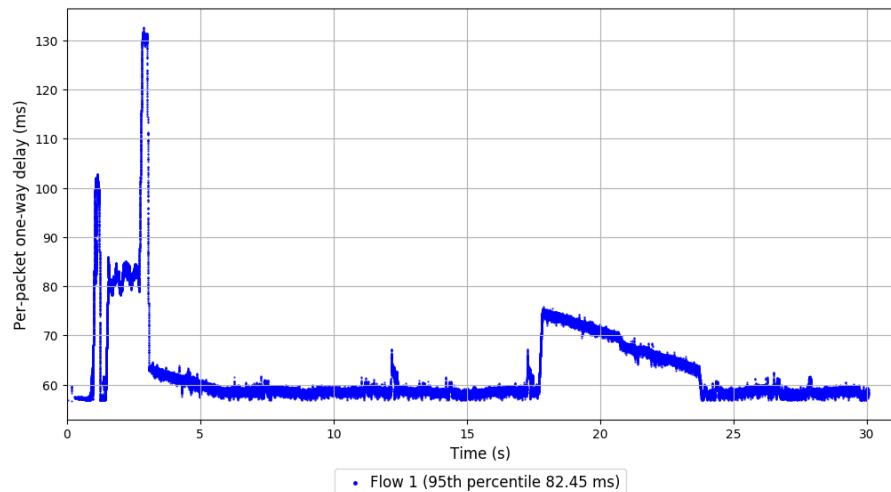
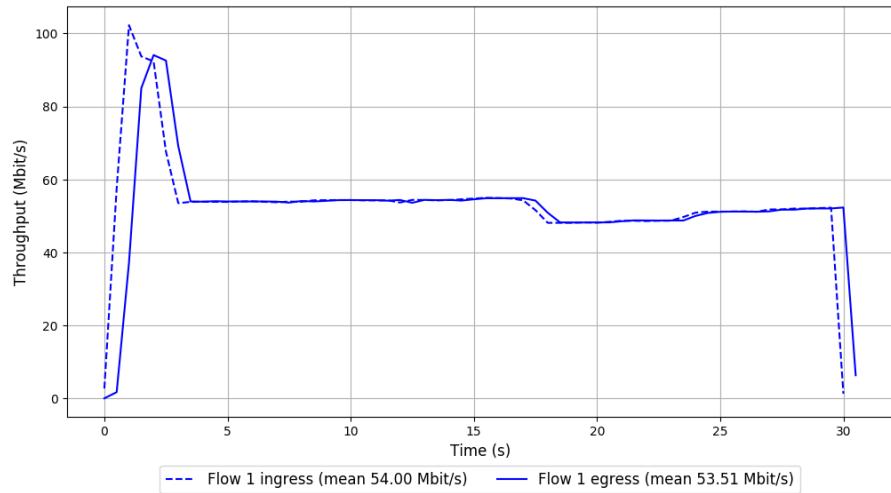


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-18 22:01:04
End at: 2019-01-18 22:01:34
Local clock offset: 0.316 ms
Remote clock offset: 3.397 ms

# Below is generated by plot.py at 2019-01-18 22:16:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: 82.451 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: 82.451 ms
Loss rate: 0.94%
```

Run 5: Report of TCP Vegas — Data Link

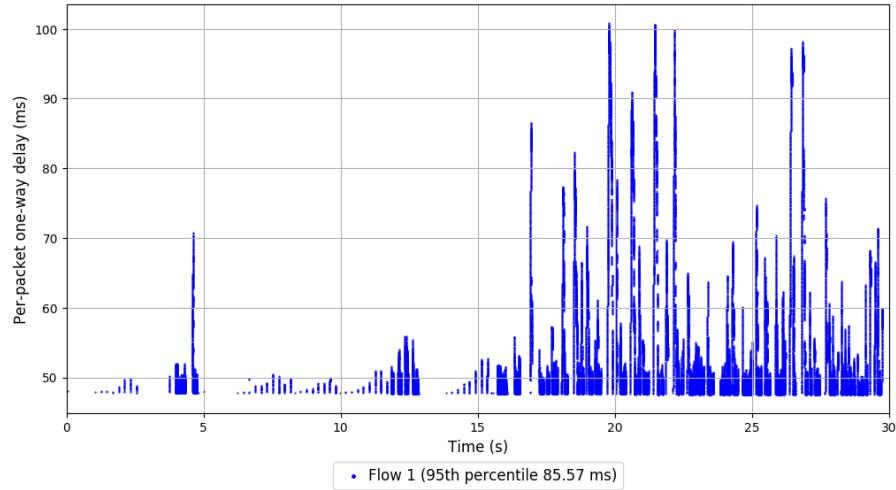
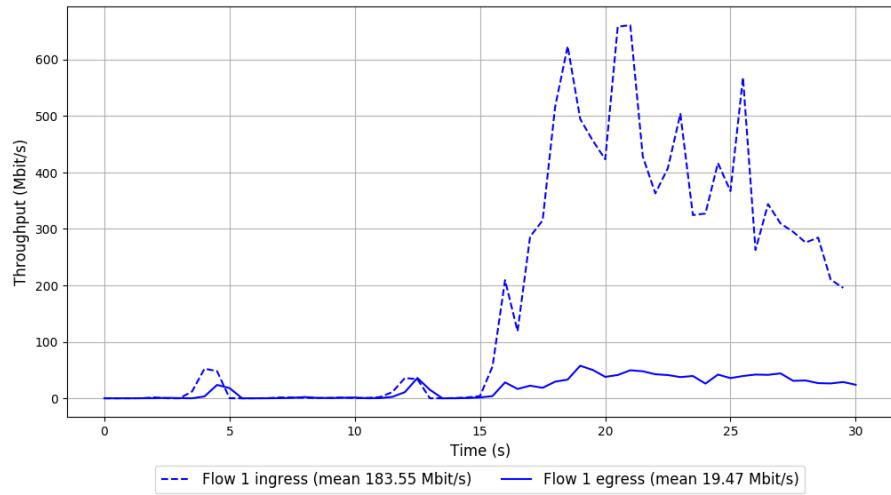


Run 1: Statistics of Verus

```
Start at: 2019-01-18 19:33:37
End at: 2019-01-18 19:34:07
Local clock offset: 5.358 ms
Remote clock offset: 74.185 ms

# Below is generated by plot.py at 2019-01-18 22:16:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.47 Mbit/s
95th percentile per-packet one-way delay: 85.570 ms
Loss rate: 89.39%
-- Flow 1:
Average throughput: 19.47 Mbit/s
95th percentile per-packet one-way delay: 85.570 ms
Loss rate: 89.39%
```

Run 1: Report of Verus — Data Link

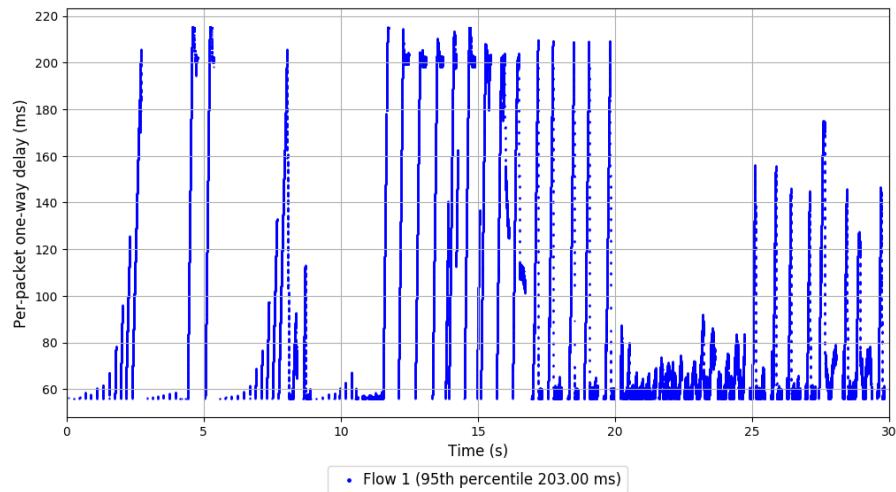
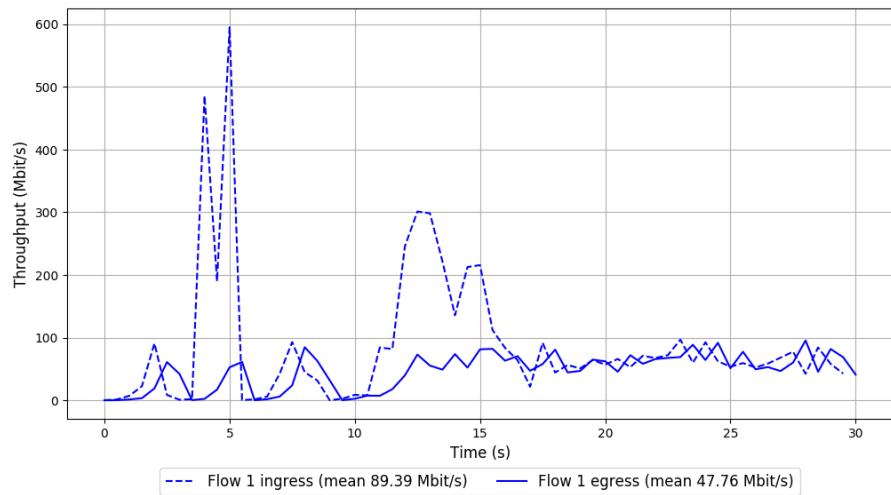


Run 2: Statistics of Verus

```
Start at: 2019-01-18 20:36:51
End at: 2019-01-18 20:37:21
Local clock offset: 0.633 ms
Remote clock offset: -8.463 ms

# Below is generated by plot.py at 2019-01-18 22:16:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 203.002 ms
Loss rate: 46.58%
-- Flow 1:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 203.002 ms
Loss rate: 46.58%
```

Run 2: Report of Verus — Data Link

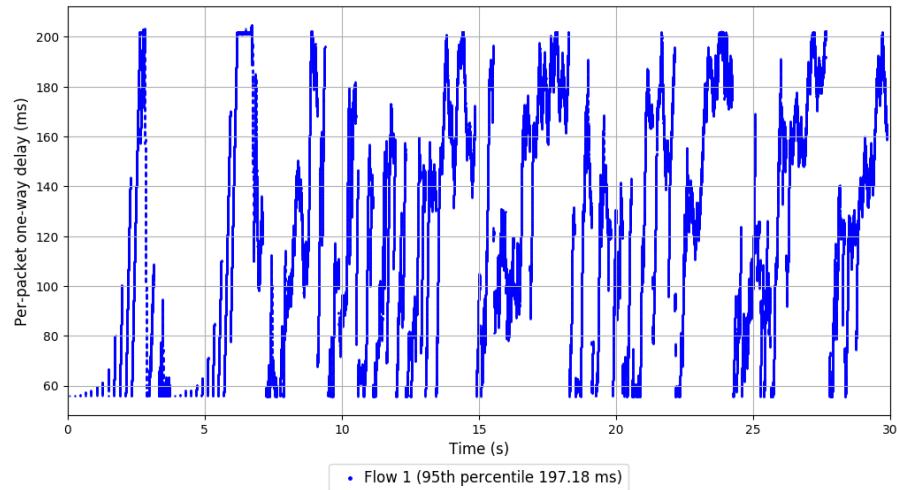
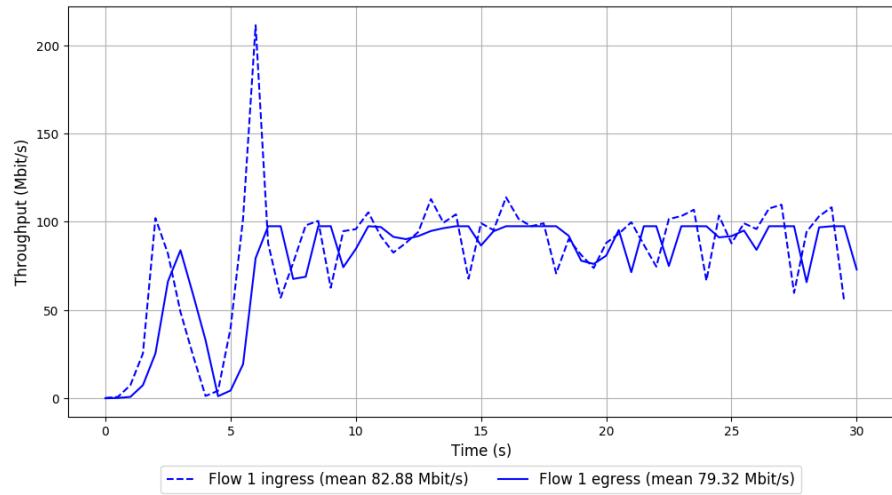


Run 3: Statistics of Verus

```
Start at: 2019-01-18 21:07:59
End at: 2019-01-18 21:08:29
Local clock offset: 0.557 ms
Remote clock offset: 8.656 ms

# Below is generated by plot.py at 2019-01-18 22:16:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 197.183 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 197.183 ms
Loss rate: 4.19%
```

Run 3: Report of Verus — Data Link

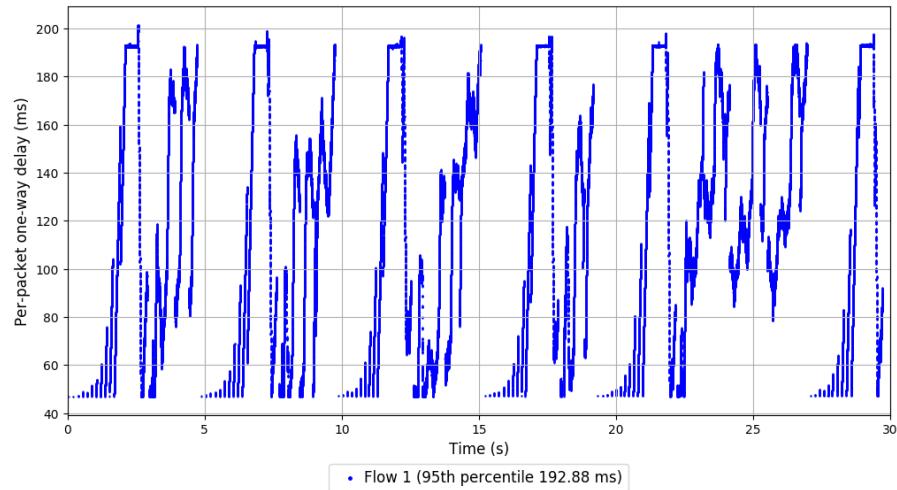
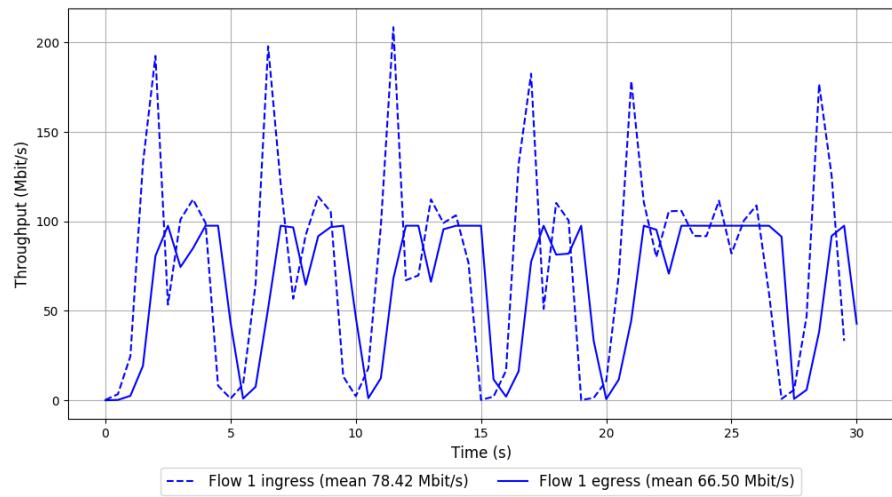


Run 4: Statistics of Verus

```
Start at: 2019-01-18 21:34:18
End at: 2019-01-18 21:34:48
Local clock offset: 3.425 ms
Remote clock offset: 8.587 ms

# Below is generated by plot.py at 2019-01-18 22:16:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.50 Mbit/s
95th percentile per-packet one-way delay: 192.884 ms
Loss rate: 15.07%
-- Flow 1:
Average throughput: 66.50 Mbit/s
95th percentile per-packet one-way delay: 192.884 ms
Loss rate: 15.07%
```

Run 4: Report of Verus — Data Link

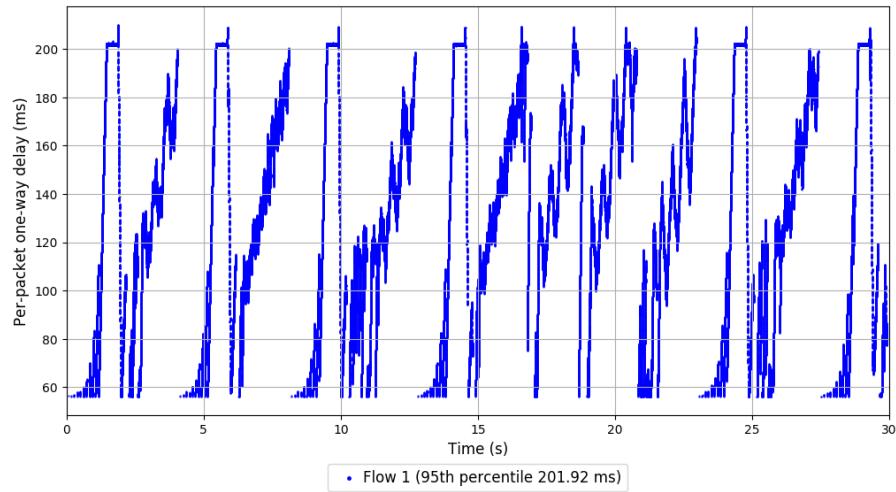
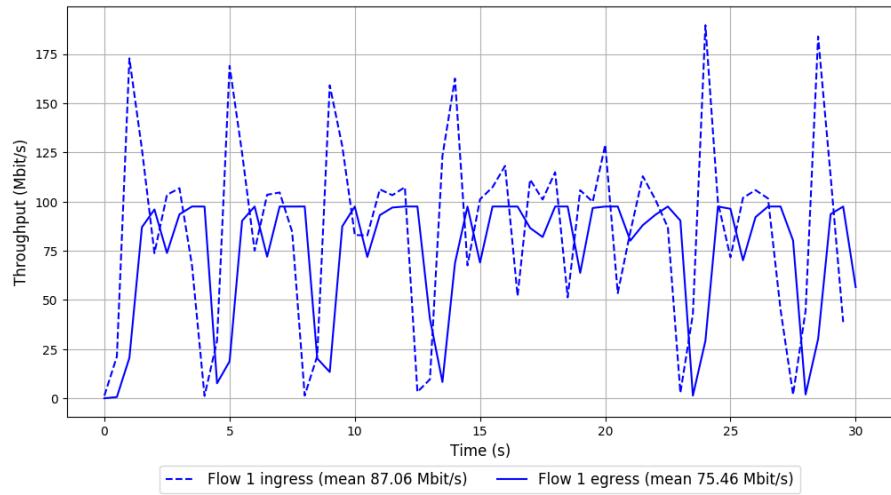


Run 5: Statistics of Verus

```
Start at: 2019-01-18 21:59:51
End at: 2019-01-18 22:00:21
Local clock offset: 0.426 ms
Remote clock offset: 2.891 ms

# Below is generated by plot.py at 2019-01-18 22:16:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 201.917 ms
Loss rate: 13.29%
-- Flow 1:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 201.917 ms
Loss rate: 13.29%
```

Run 5: Report of Verus — Data Link

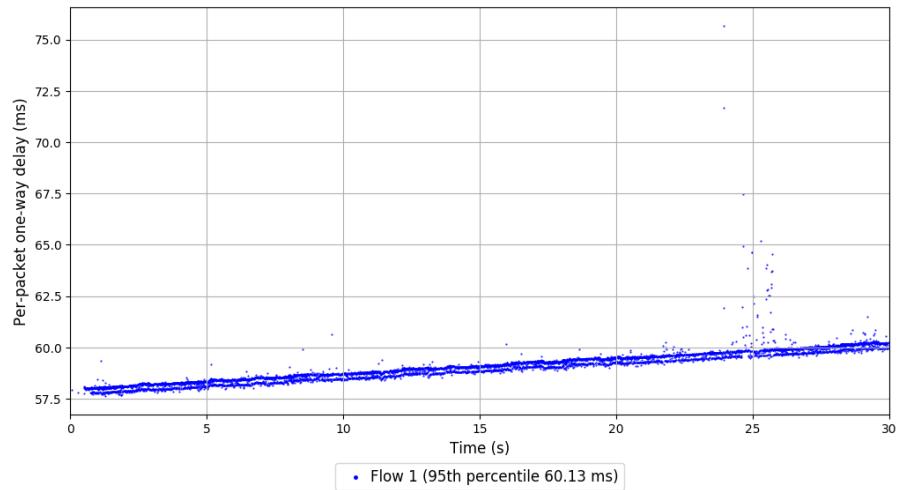
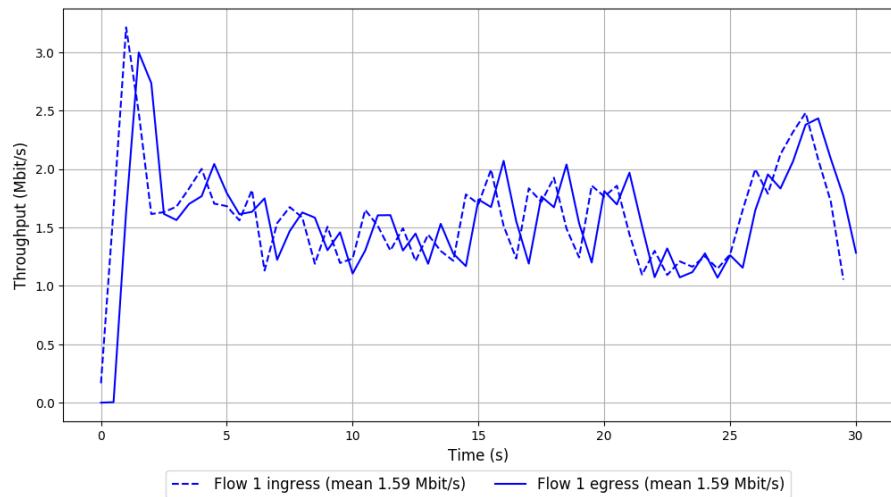


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-18 19:52:48
End at: 2019-01-18 19:53:18
Local clock offset: 6.586 ms
Remote clock offset: 27.742 ms

# Below is generated by plot.py at 2019-01-18 22:16:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 60.133 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 60.133 ms
Loss rate: 0.05%
```

Run 1: Report of PCC-Vivace — Data Link

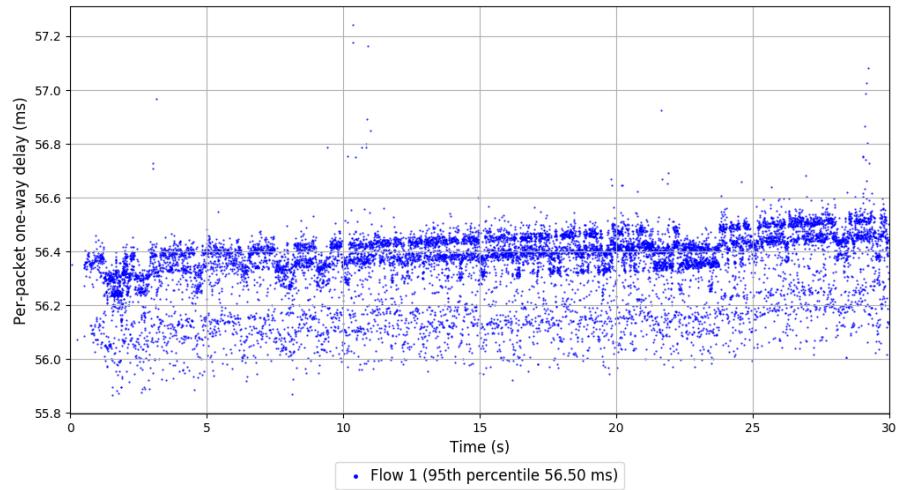
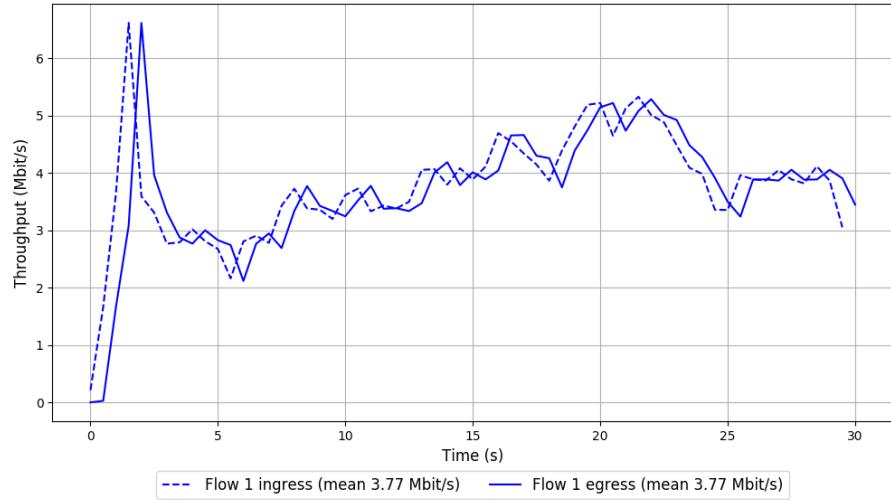


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-18 20:45:00
End at: 2019-01-18 20:45:30
Local clock offset: -0.246 ms
Remote clock offset: -10.421 ms

# Below is generated by plot.py at 2019-01-18 22:16:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 56.502 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 56.502 ms
Loss rate: 0.02%
```

Run 2: Report of PCC-Vivace — Data Link

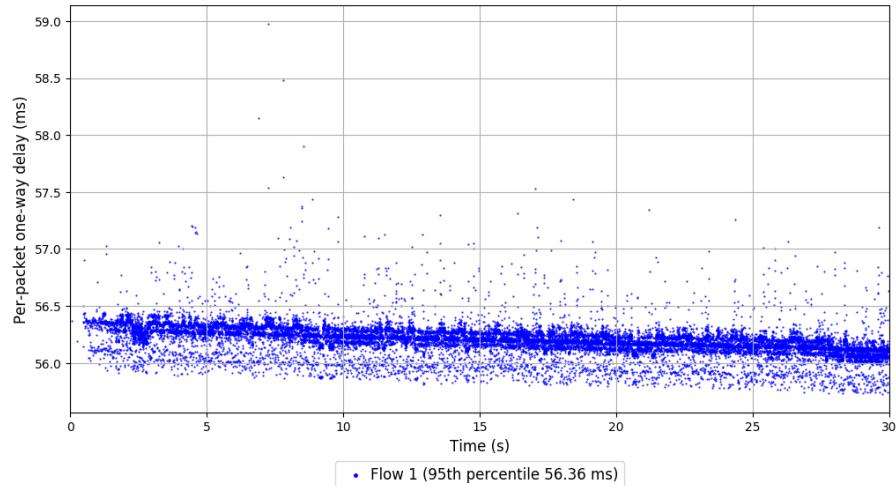
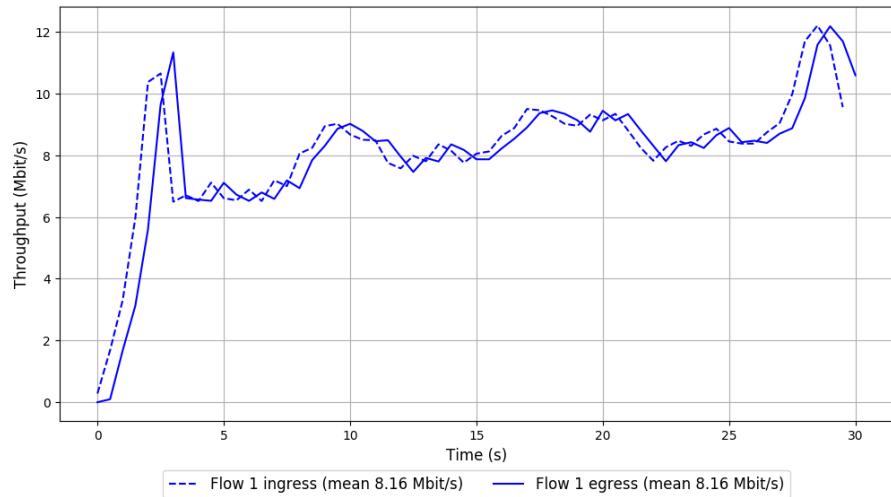


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-18 21:12:57
End at: 2019-01-18 21:13:27
Local clock offset: 0.425 ms
Remote clock offset: 10.967 ms

# Below is generated by plot.py at 2019-01-18 22:16:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 56.363 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 56.363 ms
Loss rate: 0.04%
```

Run 3: Report of PCC-Vivace — Data Link

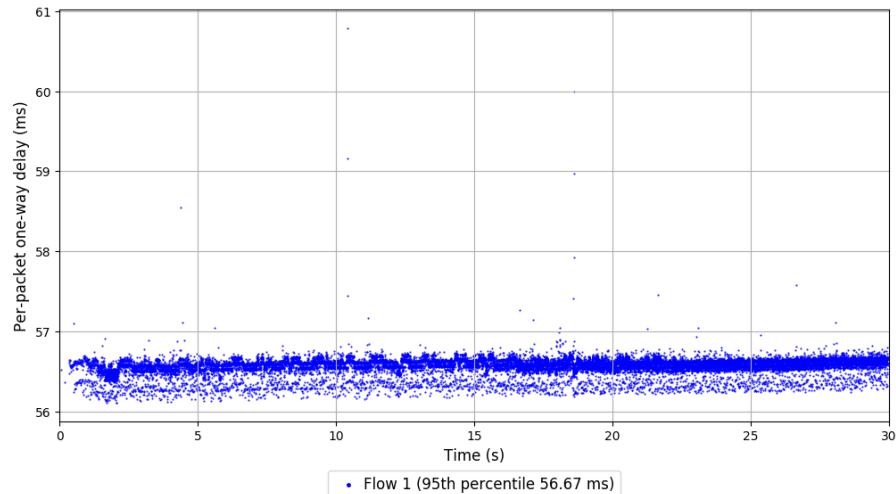
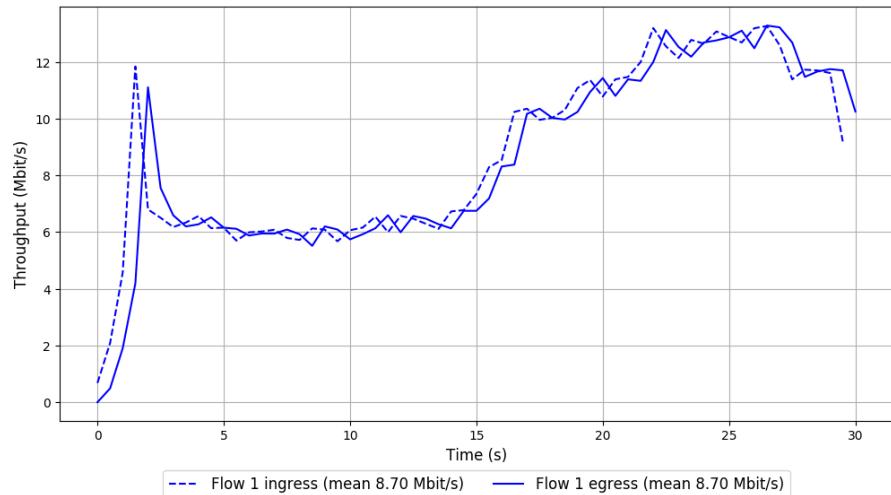


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-18 21:39:06
End at: 2019-01-18 21:39:36
Local clock offset: 3.65 ms
Remote clock offset: 6.673 ms

# Below is generated by plot.py at 2019-01-18 22:16:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 56.672 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 56.672 ms
Loss rate: 0.04%
```

Run 4: Report of PCC-Vivace — Data Link

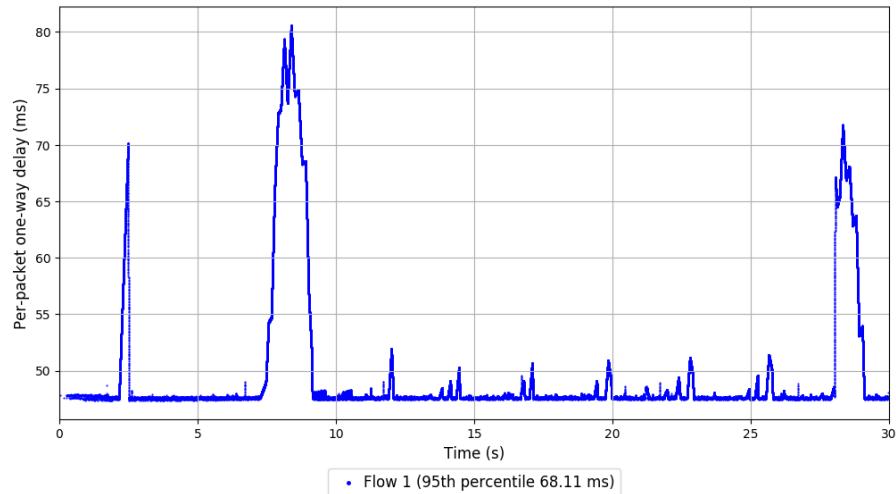
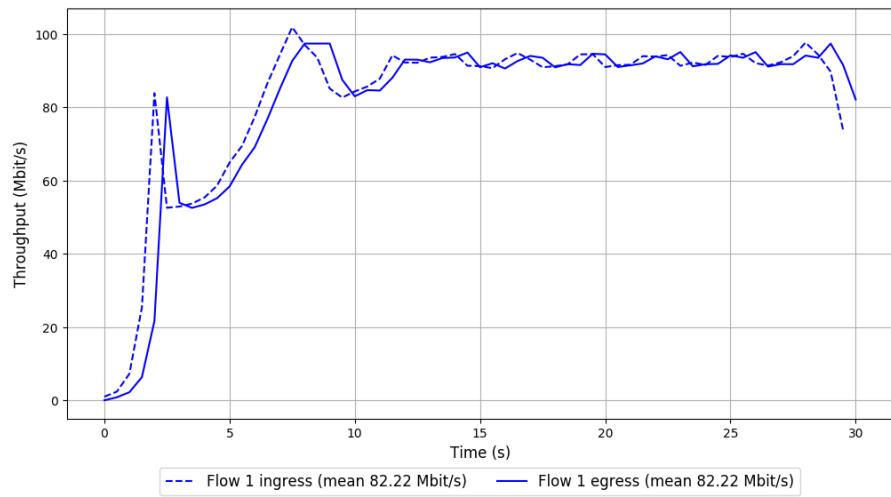


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-18 22:04:39
End at: 2019-01-18 22:05:09
Local clock offset: 0.065 ms
Remote clock offset: 3.223 ms

# Below is generated by plot.py at 2019-01-18 22:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 68.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 68.111 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

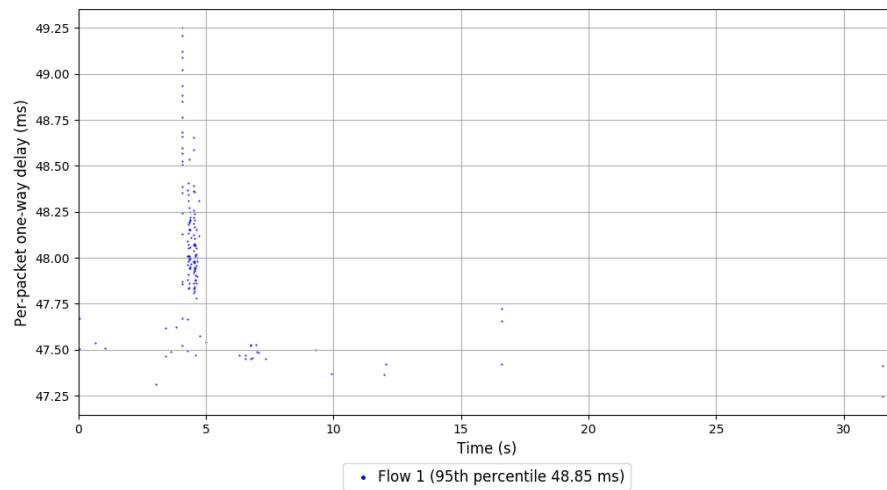
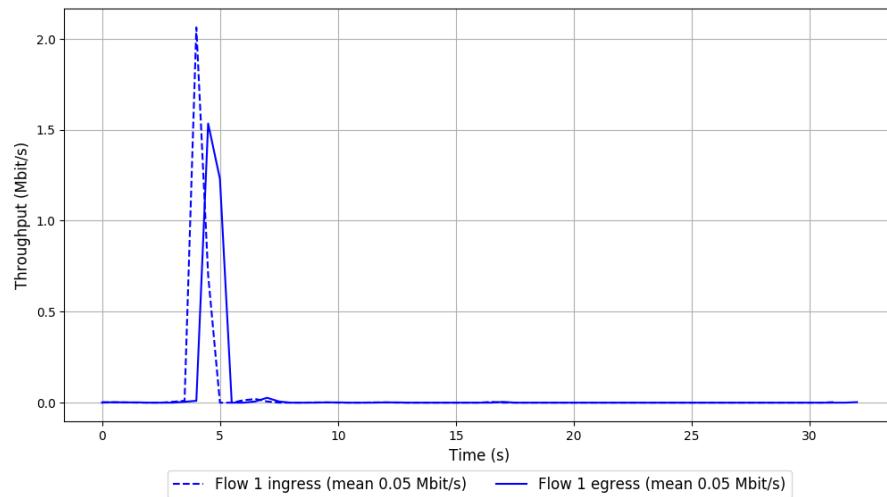


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2019-01-18 19:08:17
End at: 2019-01-18 19:08:47
Local clock offset: 3.287 ms
Remote clock offset: 52.891 ms

# Below is generated by plot.py at 2019-01-18 22:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.850 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

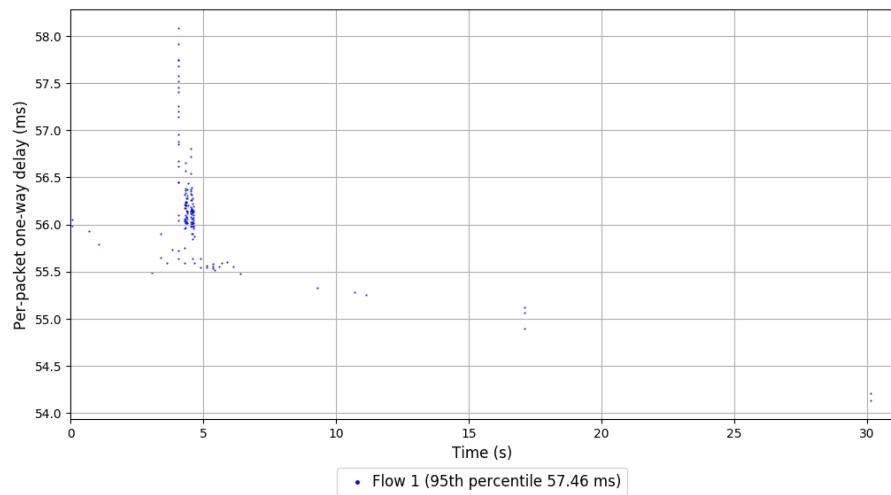
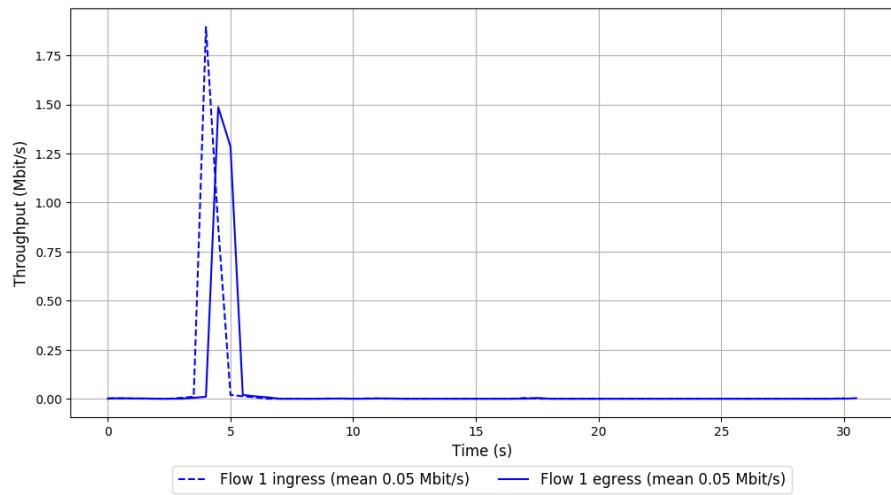


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-18 20:21:00
End at: 2019-01-18 20:21:30
Local clock offset: 5.284 ms
Remote clock offset: -24.154 ms

# Below is generated by plot.py at 2019-01-18 22:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.458 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

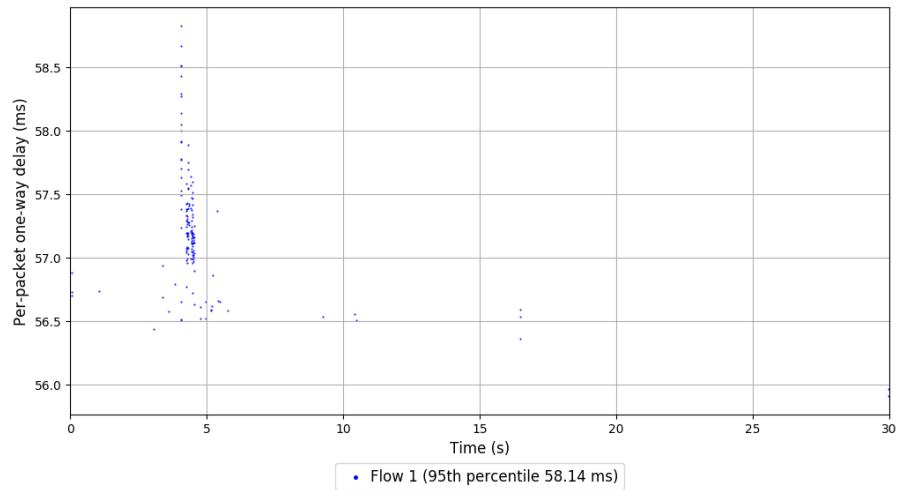
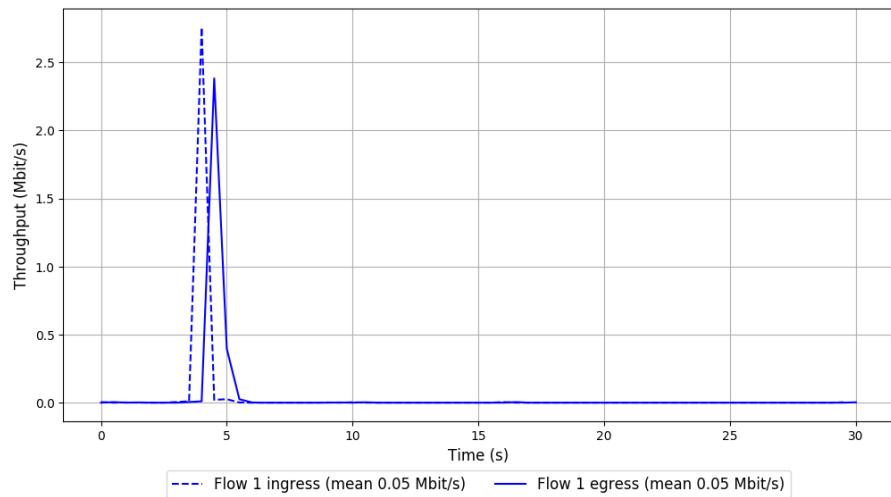


```
Run 3: Statistics of WebRTC media

Start at: 2019-01-18 20:59:07
End at: 2019-01-18 20:59:37
Local clock offset: 0.402 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2019-01-18 22:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.136 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

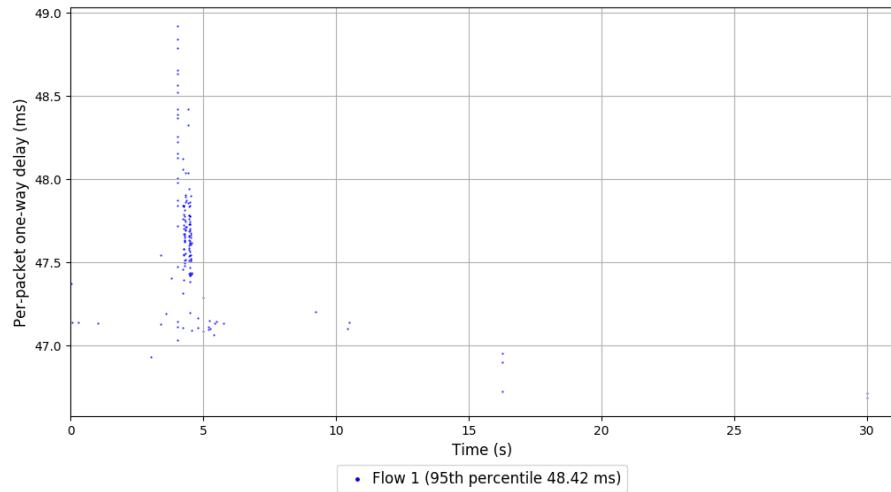
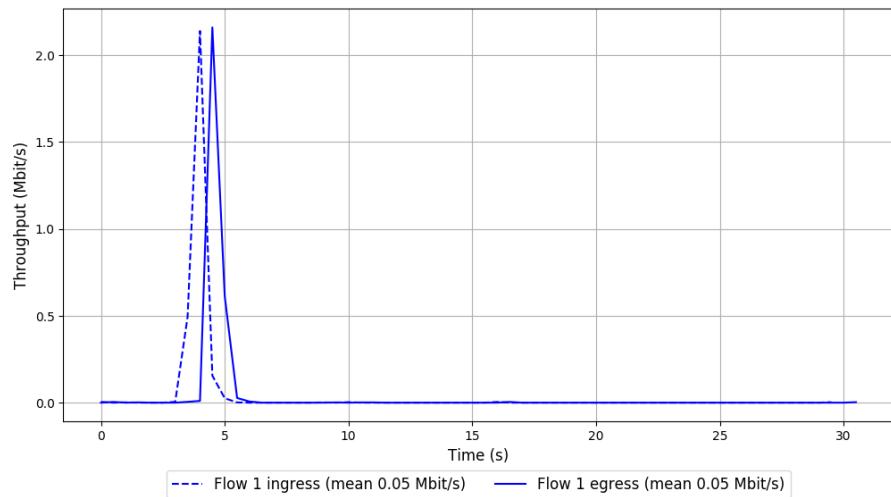


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-18 21:25:00
End at: 2019-01-18 21:25:30
Local clock offset: 2.378 ms
Remote clock offset: 12.904 ms

# Below is generated by plot.py at 2019-01-18 22:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.422 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-01-18 21:51:17
End at: 2019-01-18 21:51:47
Local clock offset: 2.247 ms
Remote clock offset: 4.859 ms

# Below is generated by plot.py at 2019-01-18 22:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.455 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

