

Pantheon Report

Generated at 2019-01-17 08:38:39 (UTC).
Data path: AWS Brazil 2 on `ens5` (*local*) → Colombia on `p4p1` (*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 `gps.ntp.br` and have been applied to correct the timestamps in logs.

System info:

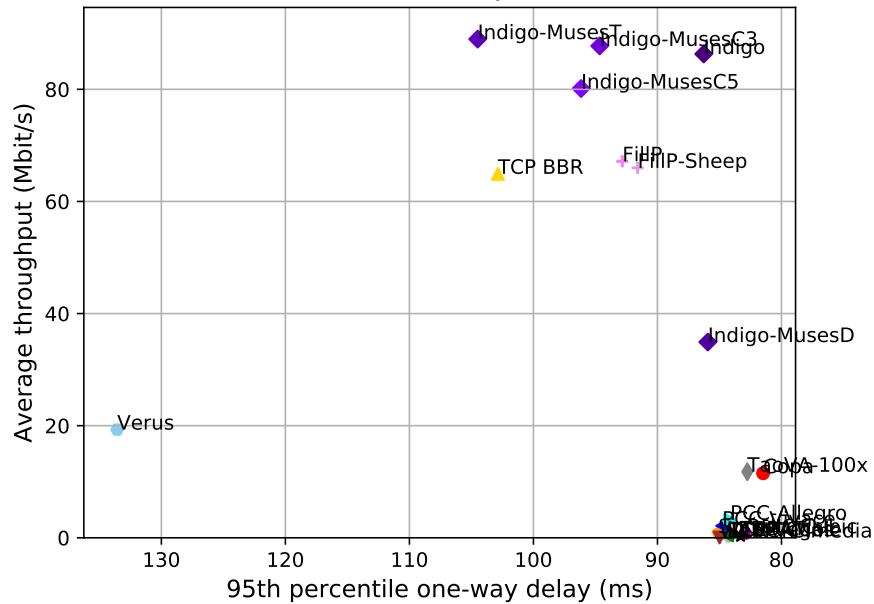
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

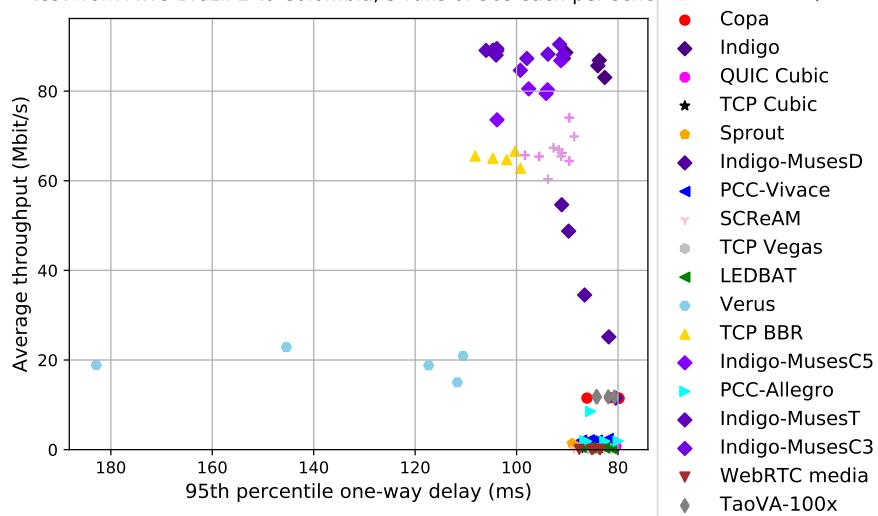
```
branch: muses @ c80a283586bf7b0cc1fe08c69c8f60d56498f81c
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ c3eee875824760ec5b2fd207fefef166e1afe2170
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from AWS Brazil 2 to Colombia, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 5 runs of 30s each per scheme



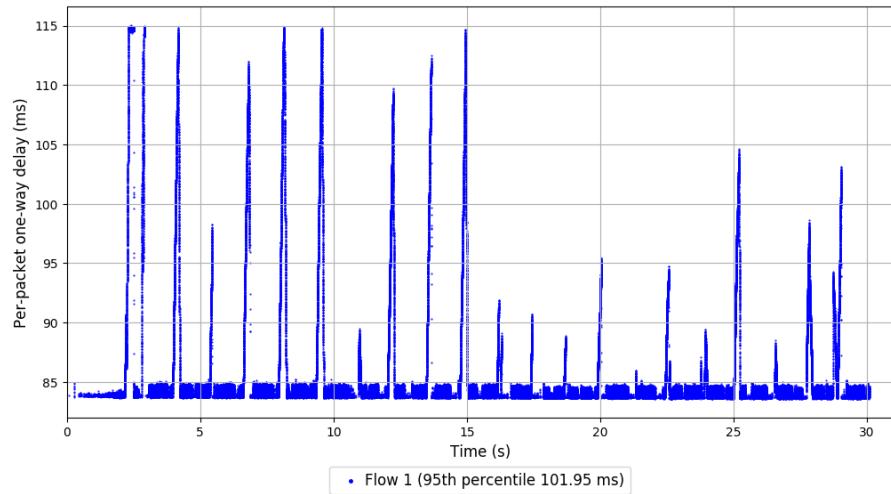
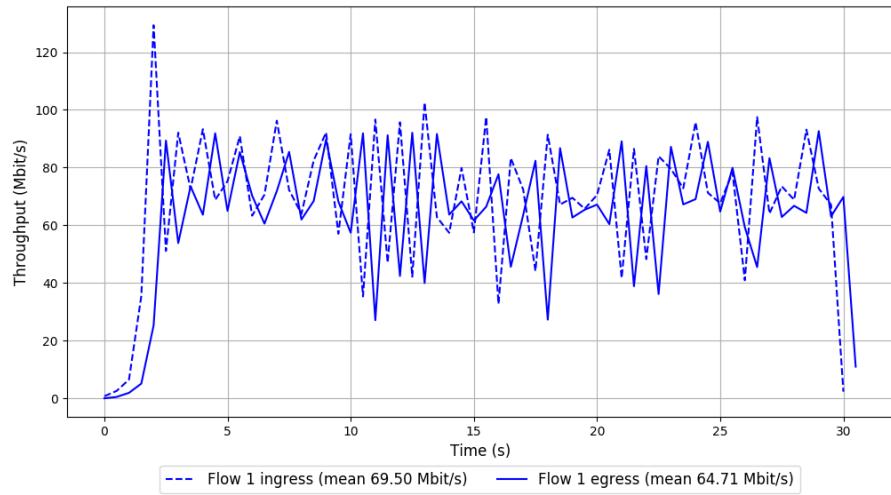
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	64.92	102.87	6.96
Copa	5	11.51	81.48	73.76
TCP Cubic	5	0.30	83.30	5.59
FillP	5	67.17	92.83	5.33
FillP-Sheep	5	65.99	91.60	5.24
Indigo	5	86.31	86.27	6.71
Indigo-MusesC3	5	87.74	94.66	6.03
Indigo-MusesC5	5	80.14	96.16	6.35
Indigo-MusesD	5	34.92	85.94	5.68
Indigo-MusesT	5	88.96	104.50	6.02
LEDBAT	5	0.43	84.38	6.10
PCC-Allegro	5	3.22	84.14	5.78
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	0.79	82.92	6.11
SCReAM	5	0.10	84.40	3.06
Sprout	5	0.84	85.10	6.16
TaoVA-100x	4	11.78	82.76	40.01
TCP Vegas	5	0.28	84.26	6.07
Verus	5	19.30	133.57	45.11
PCC-Vivace	5	2.15	84.78	5.74
WebRTC media	5	0.05	84.99	4.41

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-17 06:46:02
End at: 2019-01-17 06:46:32
Local clock offset: -0.179 ms
Remote clock offset: 43.292 ms

# Below is generated by plot.py at 2019-01-17 08:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.71 Mbit/s
95th percentile per-packet one-way delay: 101.952 ms
Loss rate: 6.89%
-- Flow 1:
Average throughput: 64.71 Mbit/s
95th percentile per-packet one-way delay: 101.952 ms
Loss rate: 6.89%
```

Run 1: Report of TCP BBR — Data Link

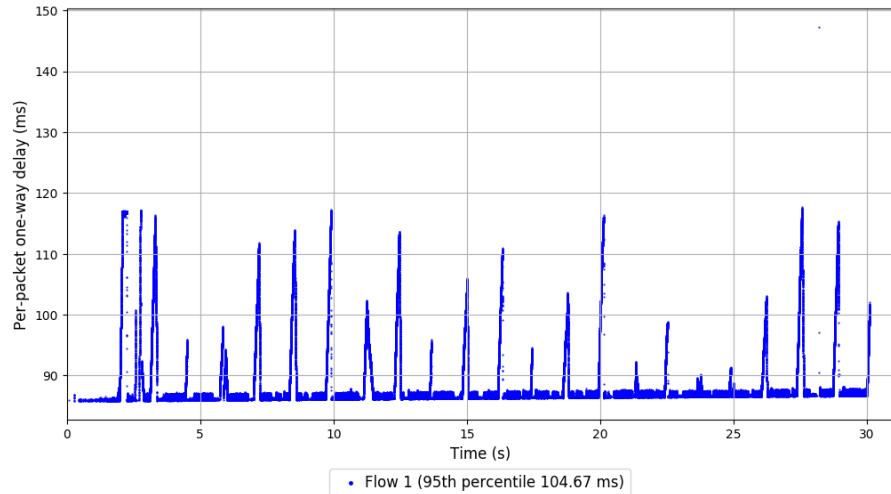
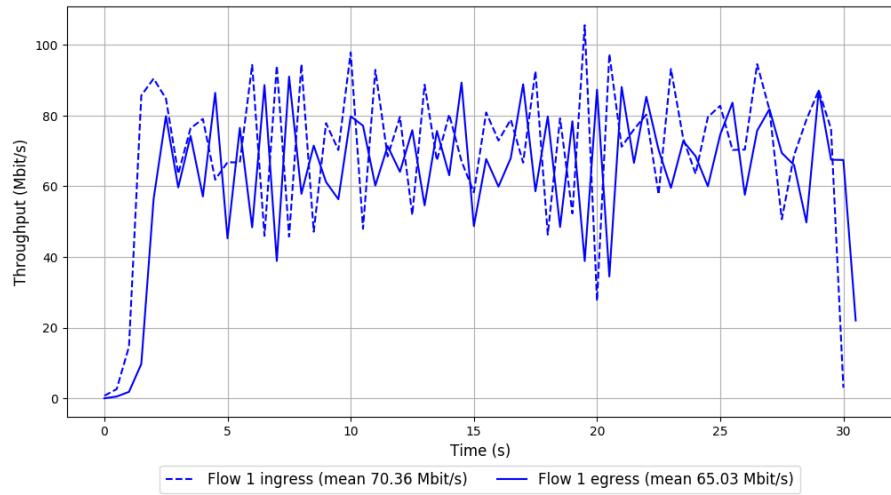


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-17 07:10:34
End at: 2019-01-17 07:11:04
Local clock offset: -3.14 ms
Remote clock offset: 18.102 ms

# Below is generated by plot.py at 2019-01-17 08:33:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.03 Mbit/s
95th percentile per-packet one-way delay: 104.674 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 65.03 Mbit/s
95th percentile per-packet one-way delay: 104.674 ms
Loss rate: 7.53%
```

Run 2: Report of TCP BBR — Data Link

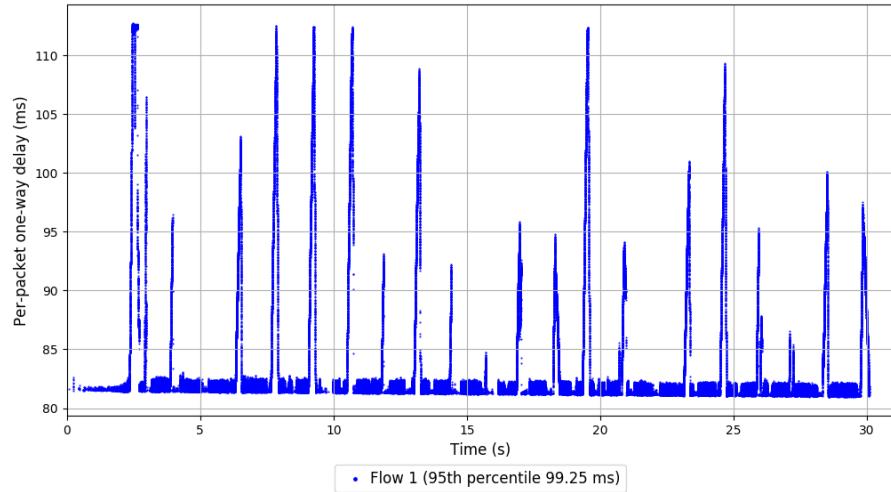
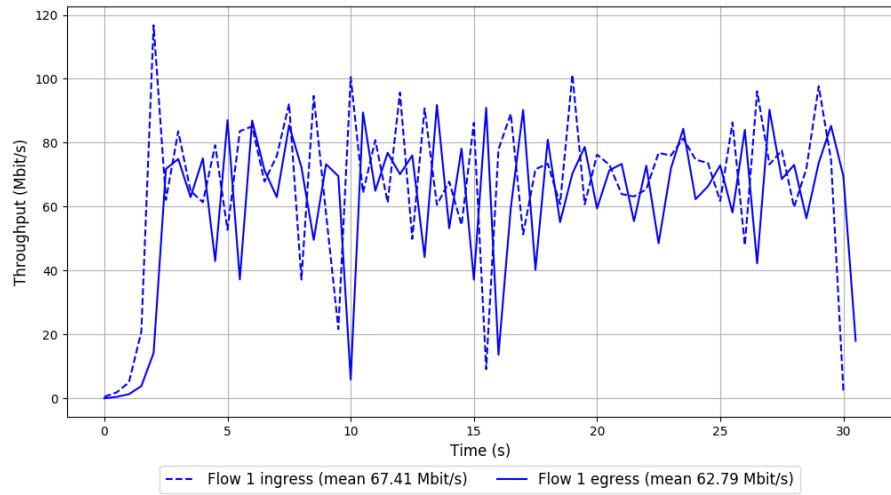


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-17 07:34:59
End at: 2019-01-17 07:35:29
Local clock offset: -4.925 ms
Remote clock offset: -9.719 ms

# Below is generated by plot.py at 2019-01-17 08:33:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 99.254 ms
Loss rate: 6.85%
-- Flow 1:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 99.254 ms
Loss rate: 6.85%
```

Run 3: Report of TCP BBR — Data Link

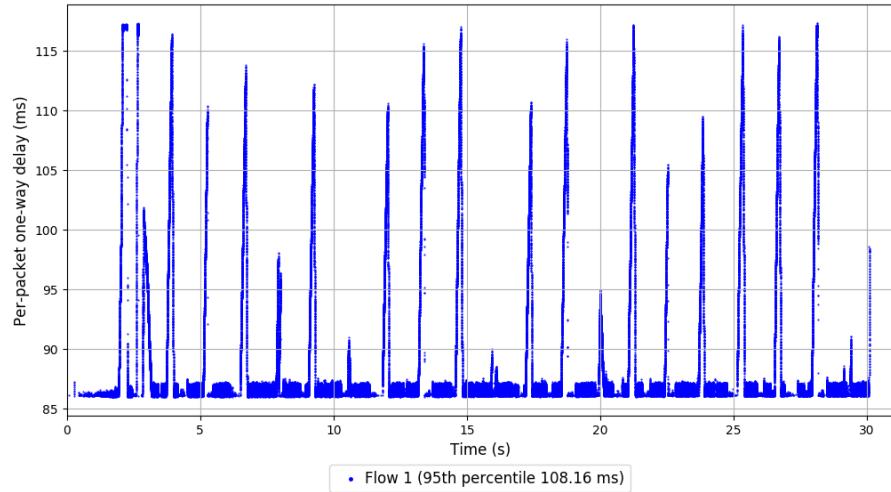
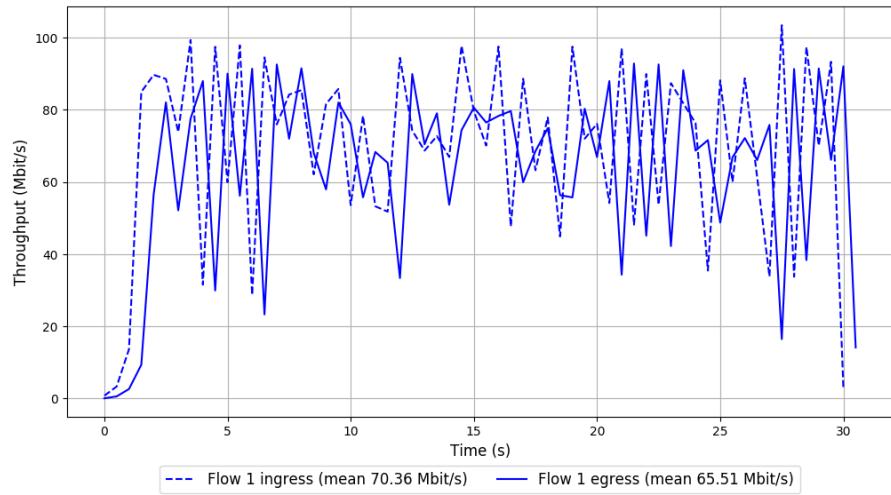


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-17 07:59:22
End at: 2019-01-17 07:59:52
Local clock offset: -4.954 ms
Remote clock offset: 0.821 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 108.156 ms
Loss rate: 6.86%
-- Flow 1:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 108.156 ms
Loss rate: 6.86%
```

Run 4: Report of TCP BBR — Data Link

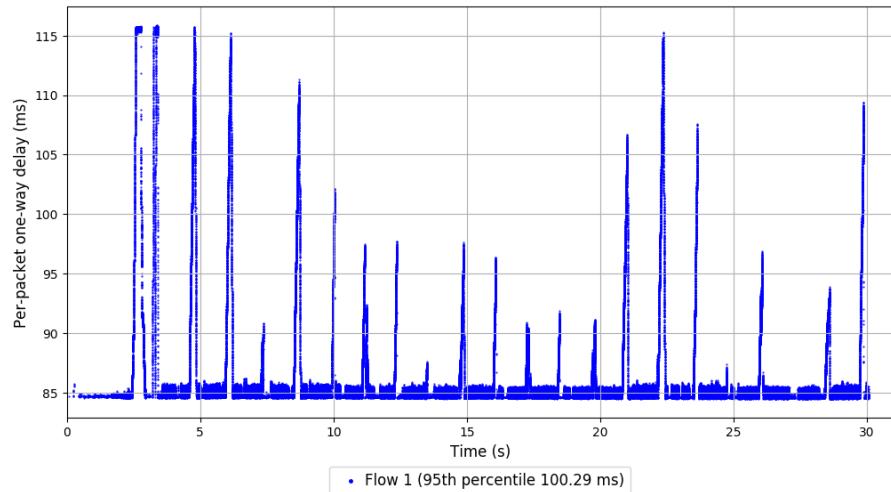
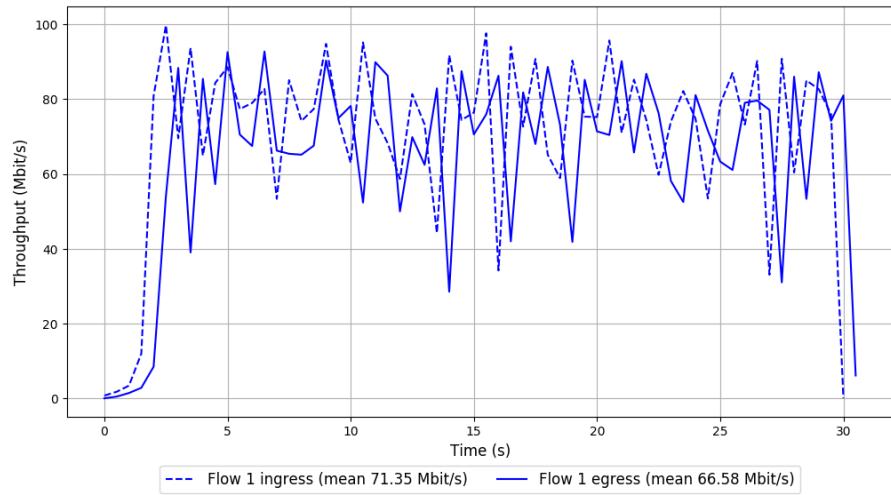


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-17 08:23:44
End at: 2019-01-17 08:24:15
Local clock offset: -5.769 ms
Remote clock offset: 4.571 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 100.293 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 100.293 ms
Loss rate: 6.68%
```

Run 5: Report of TCP BBR — Data Link

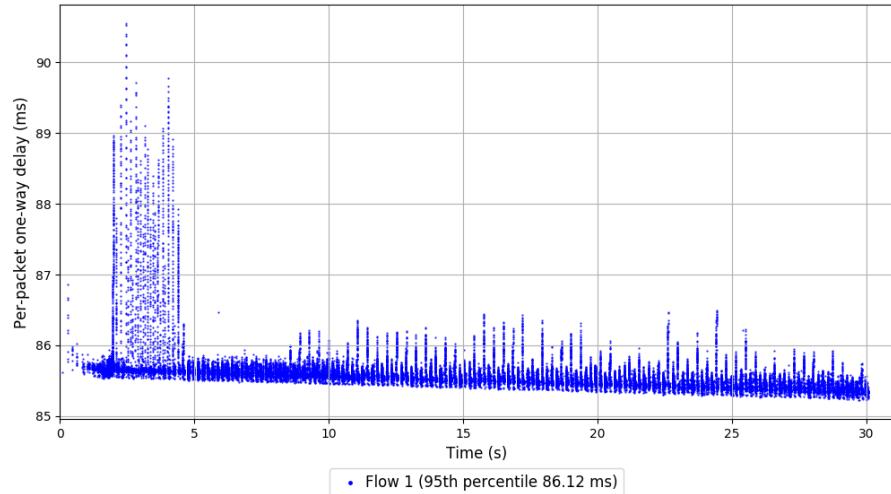
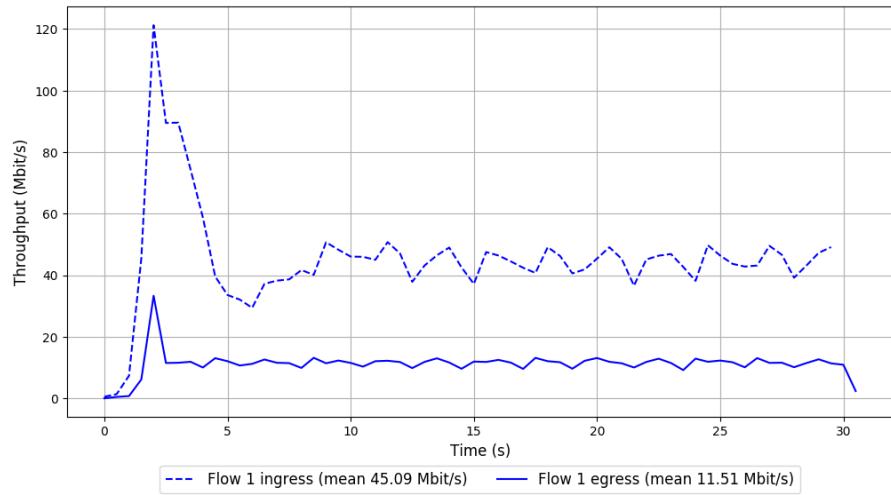


Run 1: Statistics of Copa

```
Start at: 2019-01-17 06:49:29
End at: 2019-01-17 06:49:59
Local clock offset: -0.093 ms
Remote clock offset: 45.709 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 86.119 ms
Loss rate: 74.48%
-- Flow 1:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 86.119 ms
Loss rate: 74.48%
```

Run 1: Report of Copa — Data Link

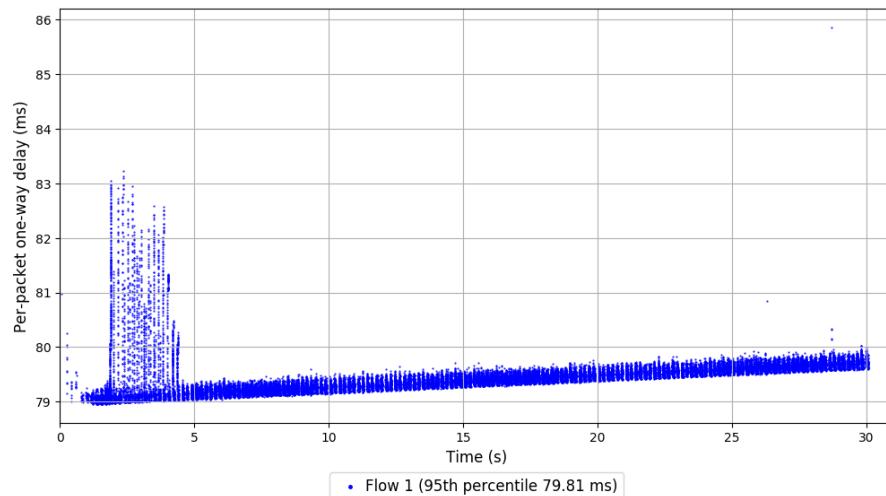
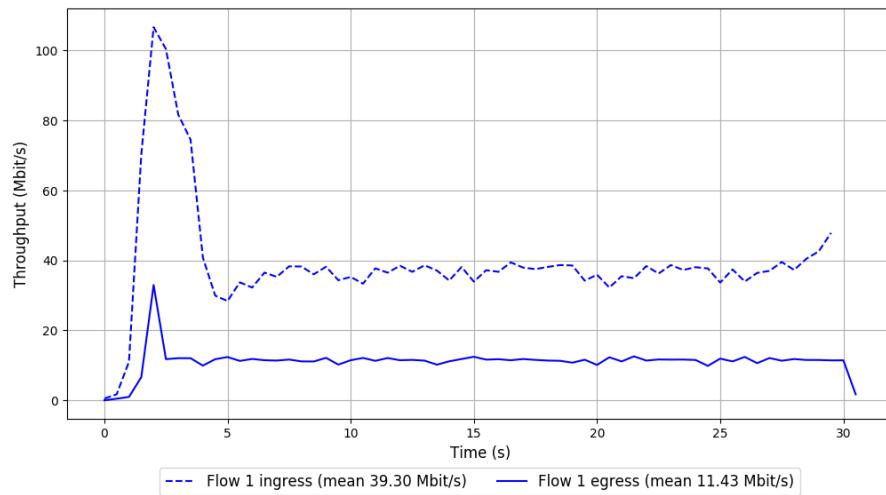


Run 2: Statistics of Copa

```
Start at: 2019-01-17 07:14:01
End at: 2019-01-17 07:14:31
Local clock offset: -3.185 ms
Remote clock offset: 6.15 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 79.811 ms
Loss rate: 70.92%
-- Flow 1:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 79.811 ms
Loss rate: 70.92%
```

Run 2: Report of Copa — Data Link

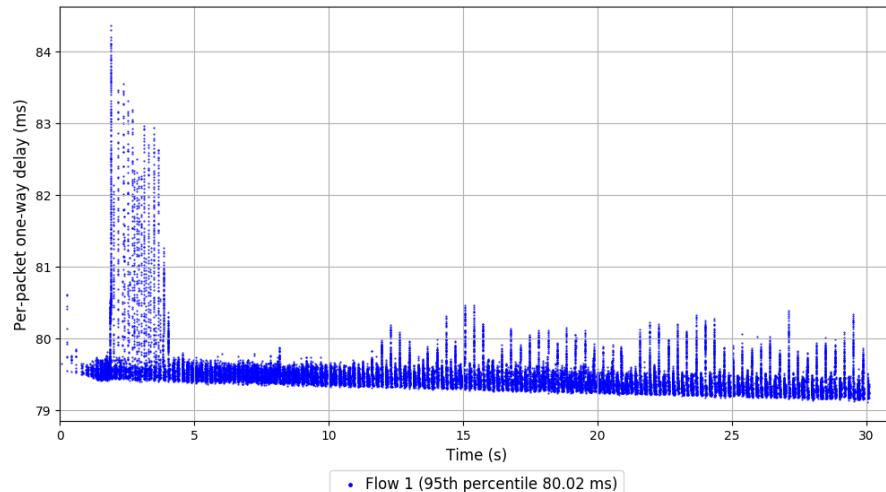
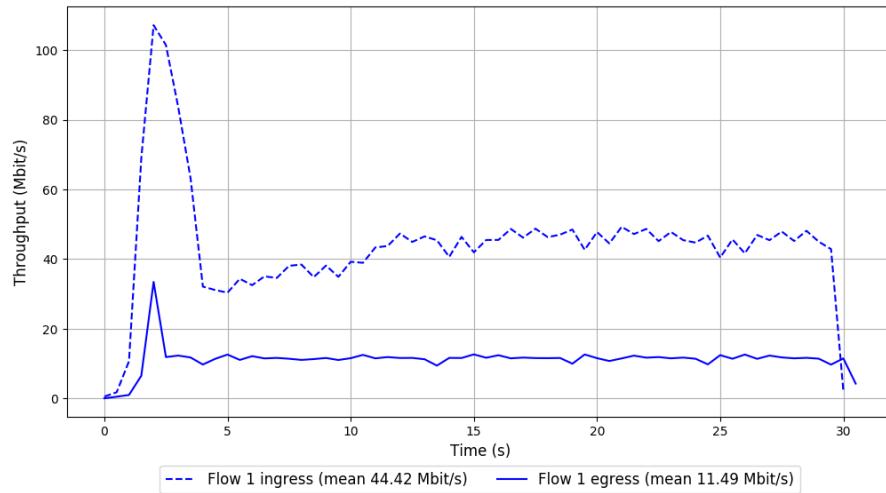


Run 3: Statistics of Copa

```
Start at: 2019-01-17 07:38:26
End at: 2019-01-17 07:38:56
Local clock offset: -4.92 ms
Remote clock offset: -6.92 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 80.021 ms
Loss rate: 74.14%
-- Flow 1:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 80.021 ms
Loss rate: 74.14%
```

Run 3: Report of Copa — Data Link

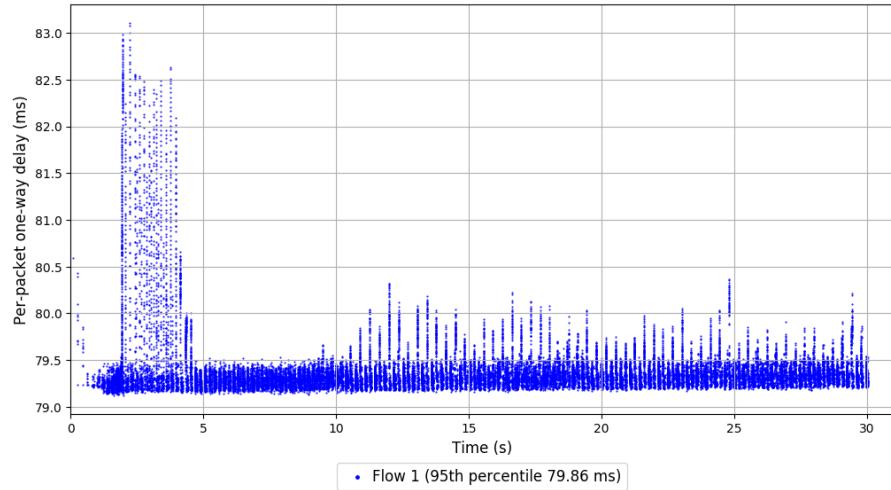
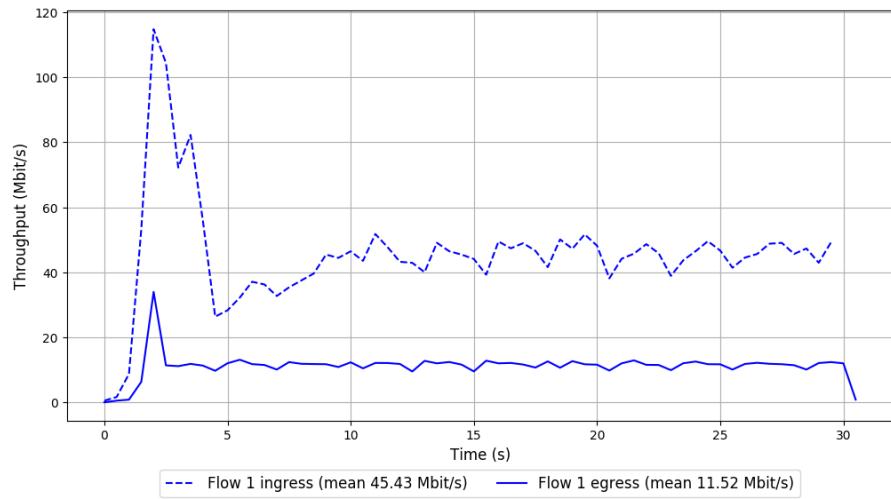


Run 4: Statistics of Copa

```
Start at: 2019-01-17 08:02:51
End at: 2019-01-17 08:03:21
Local clock offset: -4.212 ms
Remote clock offset: -4.124 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 79.862 ms
Loss rate: 74.64%
-- Flow 1:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 79.862 ms
Loss rate: 74.64%
```

Run 4: Report of Copa — Data Link

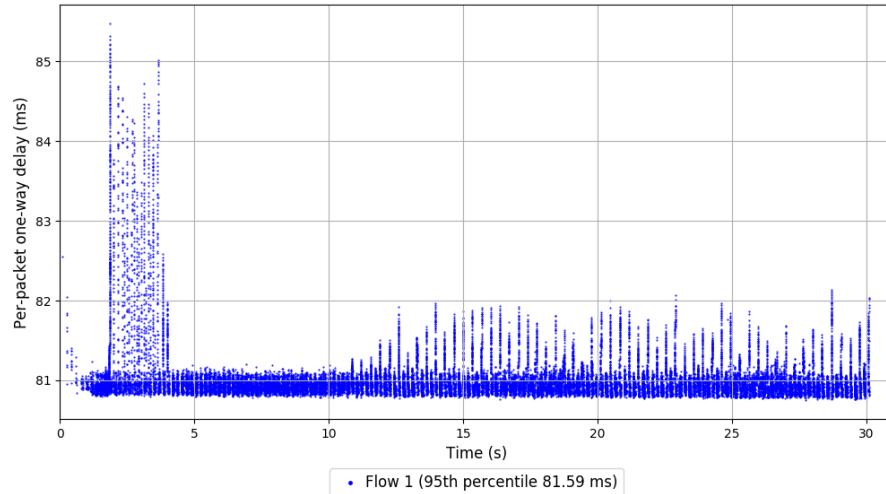
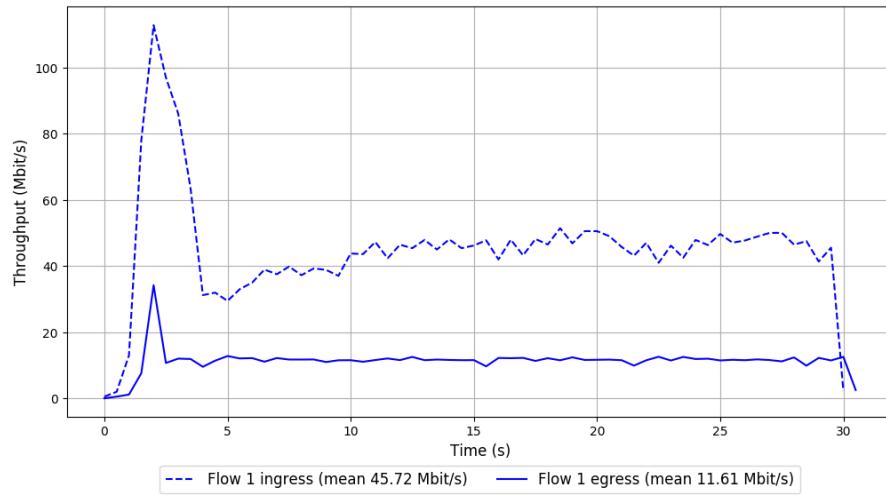


Run 5: Statistics of Copa

```
Start at: 2019-01-17 08:27:11
End at: 2019-01-17 08:27:41
Local clock offset: -6.067 ms
Remote clock offset: 0.976 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 81.594 ms
Loss rate: 74.60%
-- Flow 1:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 81.594 ms
Loss rate: 74.60%
```

Run 5: Report of Copa — Data Link

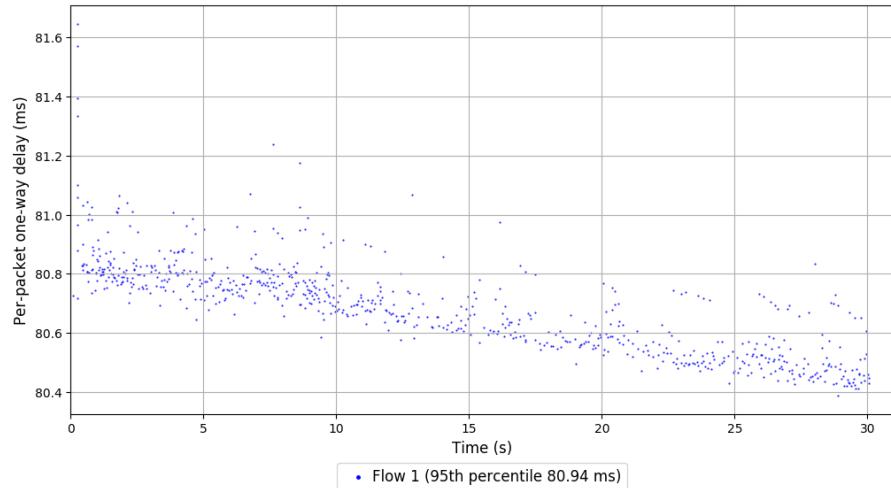
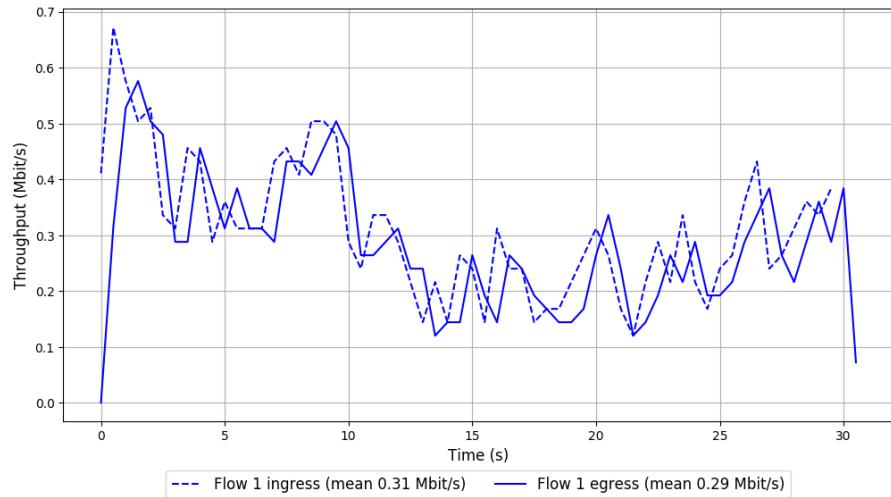


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-17 06:47:15
End at: 2019-01-17 06:47:45
Local clock offset: 0.677 ms
Remote clock offset: 39.959 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 80.943 ms
Loss rate: 5.90%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 80.943 ms
Loss rate: 5.90%
```

Run 1: Report of TCP Cubic — Data Link

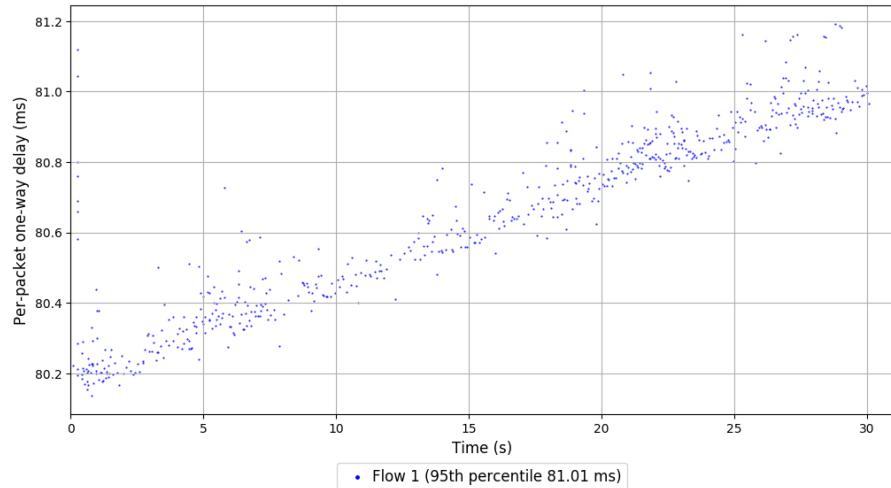
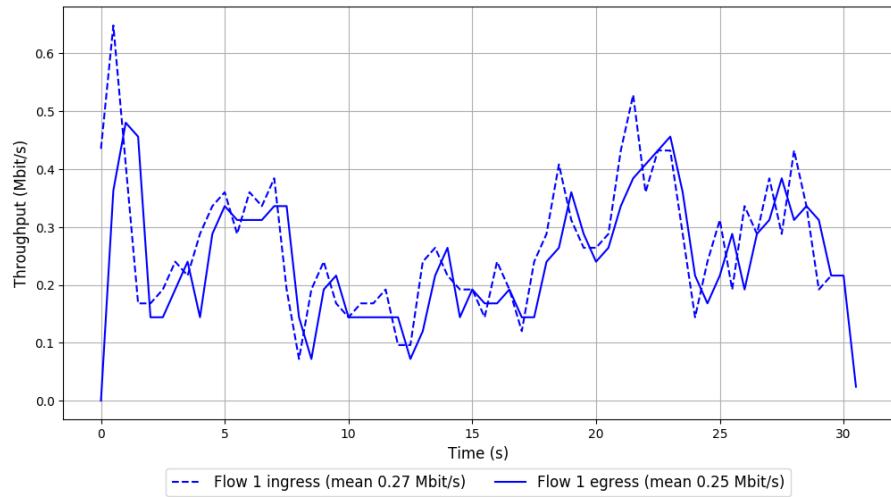


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-17 07:11:46
End at: 2019-01-17 07:12:16
Local clock offset: -3.88 ms
Remote clock offset: 10.009 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 81.007 ms
Loss rate: 7.24%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 81.007 ms
Loss rate: 7.24%
```

Run 2: Report of TCP Cubic — Data Link

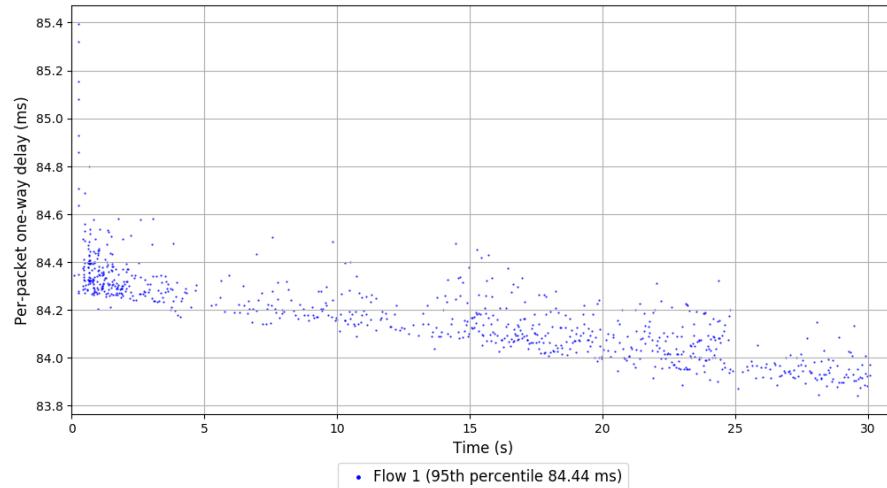
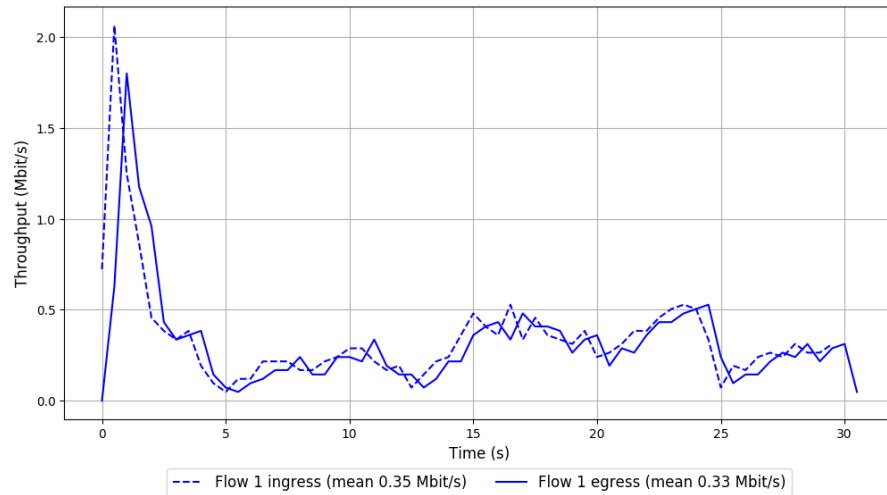


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-17 07:36:11
End at: 2019-01-17 07:36:41
Local clock offset: -4.873 ms
Remote clock offset: -3.576 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 84.444 ms
Loss rate: 5.41%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 84.444 ms
Loss rate: 5.41%
```

Run 3: Report of TCP Cubic — Data Link

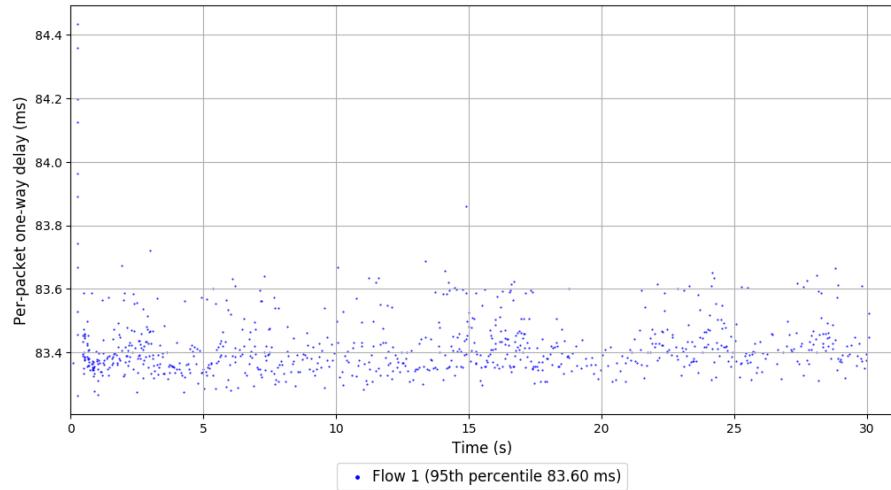
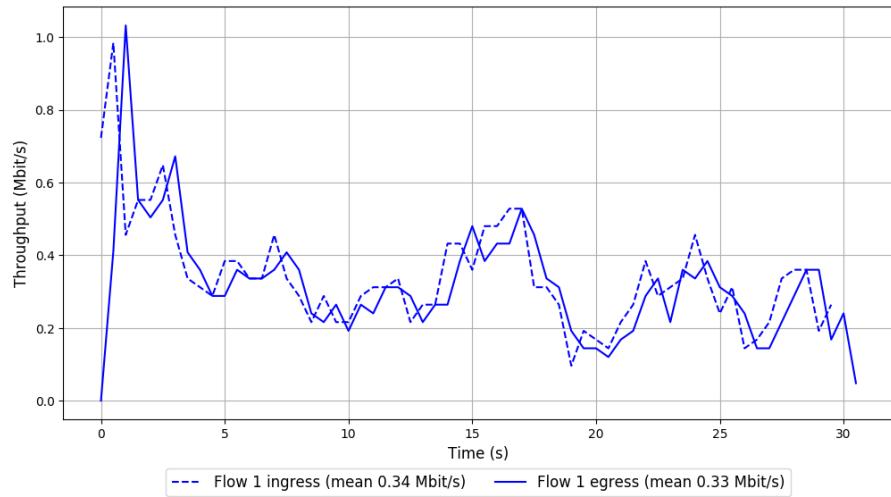


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-17 08:00:37
End at: 2019-01-17 08:01:07
Local clock offset: -4.959 ms
Remote clock offset: -3.983 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 83.598 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 83.598 ms
Loss rate: 4.53%
```

Run 4: Report of TCP Cubic — Data Link

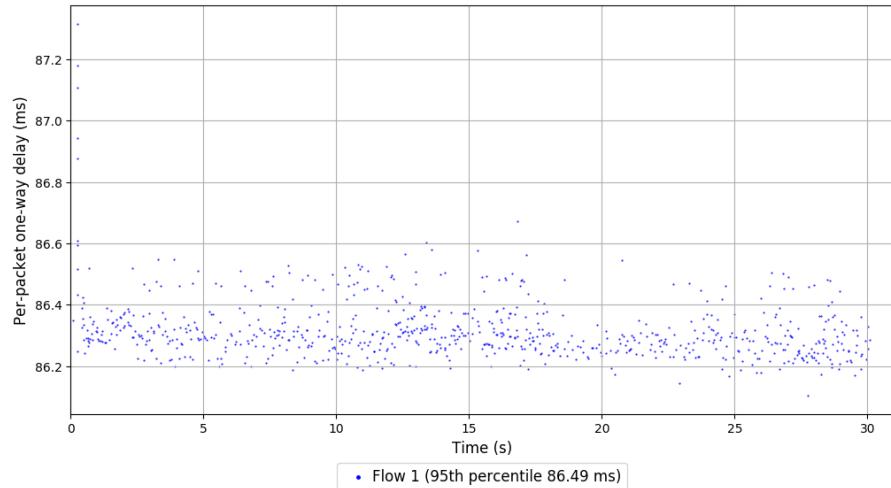
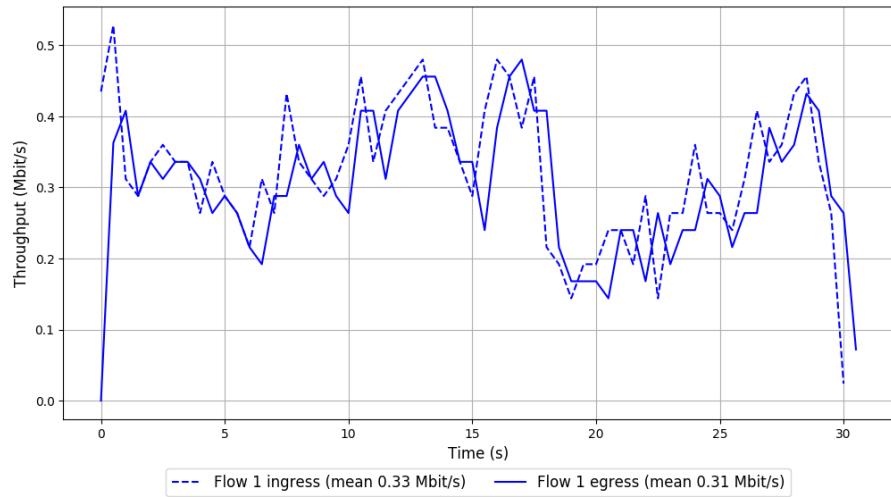


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-17 08:24:56
End at: 2019-01-17 08:25:26
Local clock offset: -5.903 ms
Remote clock offset: 4.725 ms

# Below is generated by plot.py at 2019-01-17 08:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.493 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.493 ms
Loss rate: 4.88%
```

Run 5: Report of TCP Cubic — Data Link

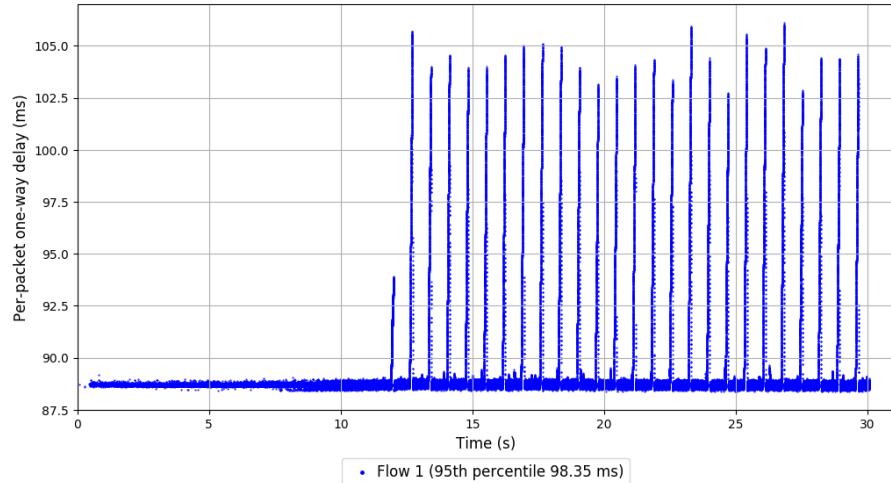
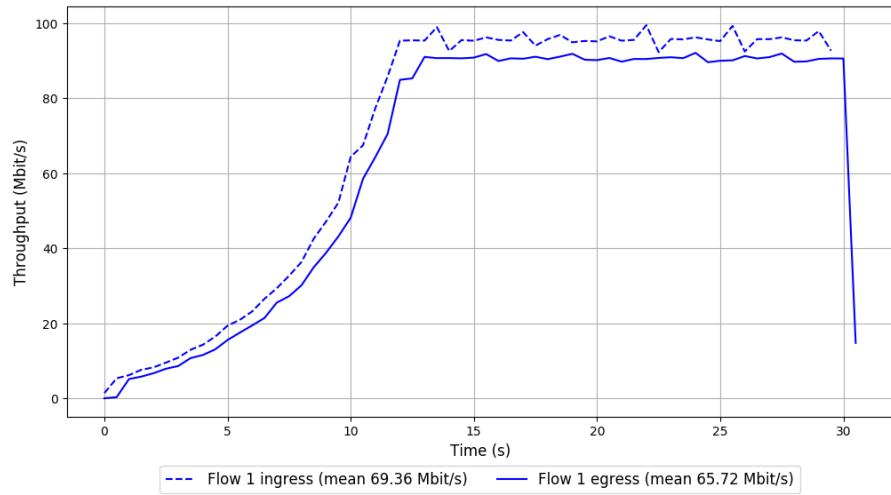


Run 1: Statistics of FillP

```
Start at: 2019-01-17 06:35:27
End at: 2019-01-17 06:35:57
Local clock offset: -0.363 ms
Remote clock offset: 41.992 ms

# Below is generated by plot.py at 2019-01-17 08:34:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 98.348 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 98.348 ms
Loss rate: 5.26%
```

Run 1: Report of FillP — Data Link

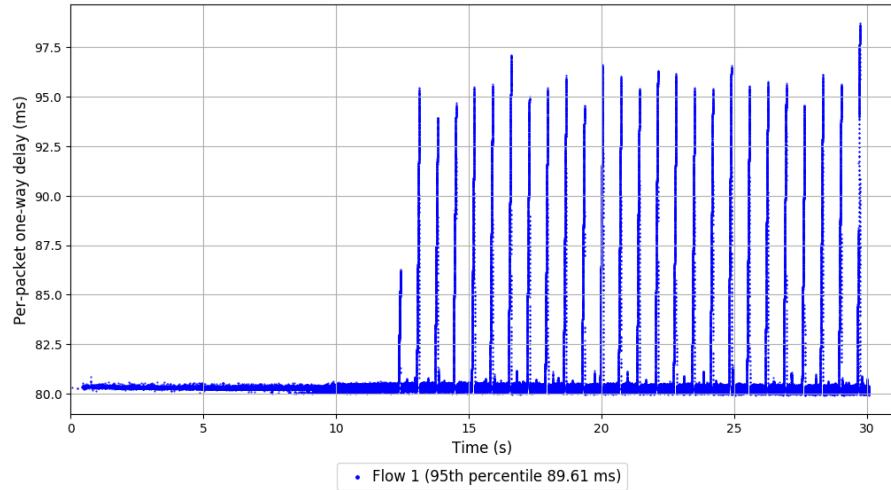
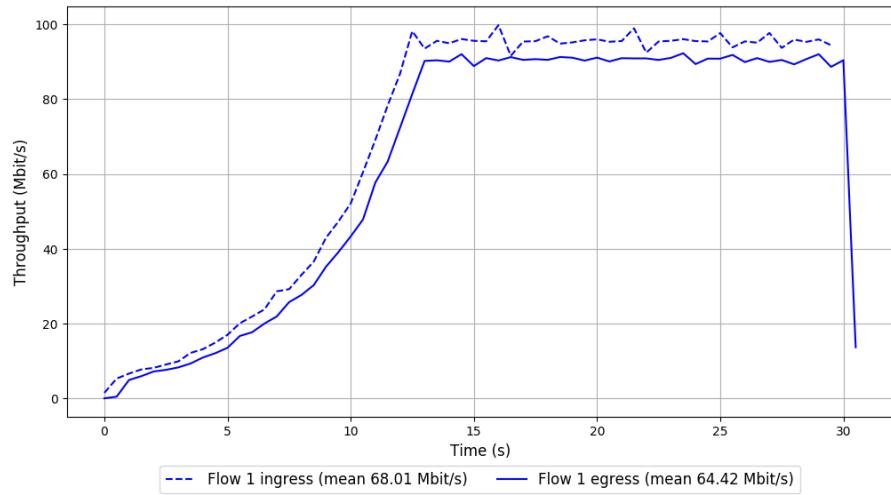


Run 2: Statistics of FillP

```
Start at: 2019-01-17 06:59:50
End at: 2019-01-17 07:00:20
Local clock offset: -2.329 ms
Remote clock offset: 44.168 ms

# Below is generated by plot.py at 2019-01-17 08:34:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.42 Mbit/s
95th percentile per-packet one-way delay: 89.611 ms
Loss rate: 5.29%
-- Flow 1:
Average throughput: 64.42 Mbit/s
95th percentile per-packet one-way delay: 89.611 ms
Loss rate: 5.29%
```

Run 2: Report of FillP — Data Link

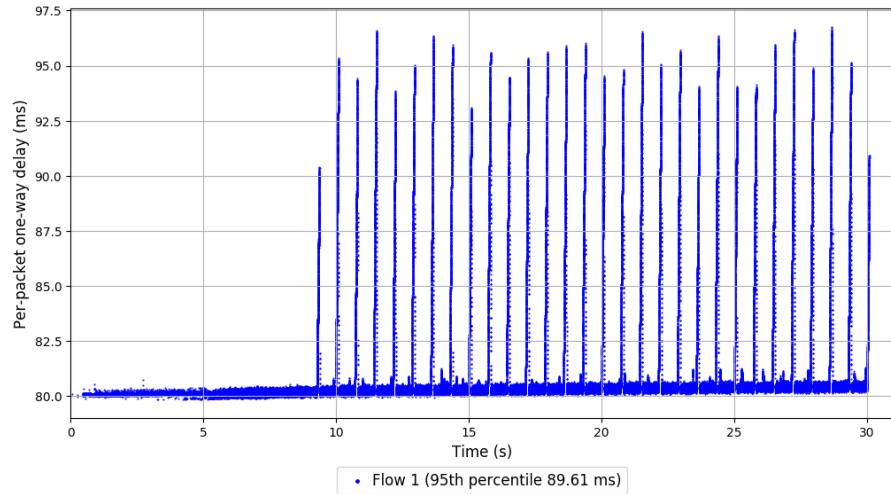
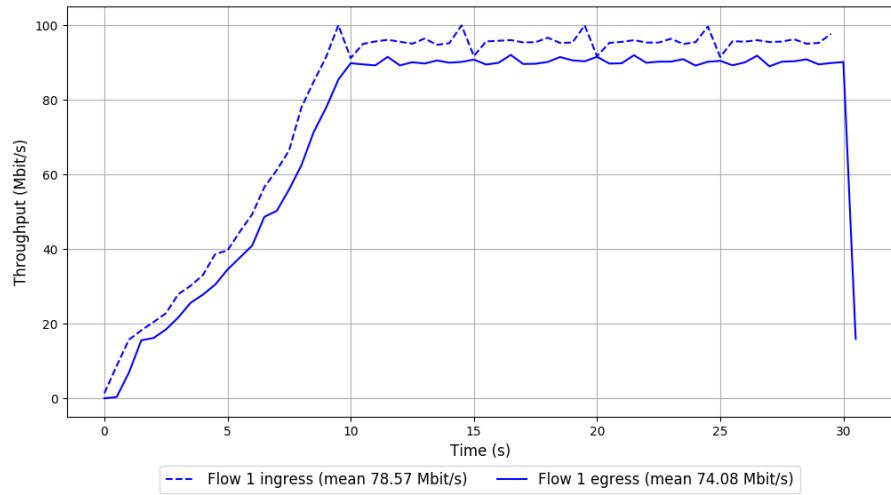


Run 3: Statistics of FillP

```
Start at: 2019-01-17 07:24:21
End at: 2019-01-17 07:24:51
Local clock offset: -3.724 ms
Remote clock offset: -3.66 ms

# Below is generated by plot.py at 2019-01-17 08:34:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.08 Mbit/s
95th percentile per-packet one-way delay: 89.607 ms
Loss rate: 5.68%
-- Flow 1:
Average throughput: 74.08 Mbit/s
95th percentile per-packet one-way delay: 89.607 ms
Loss rate: 5.68%
```

Run 3: Report of FillP — Data Link

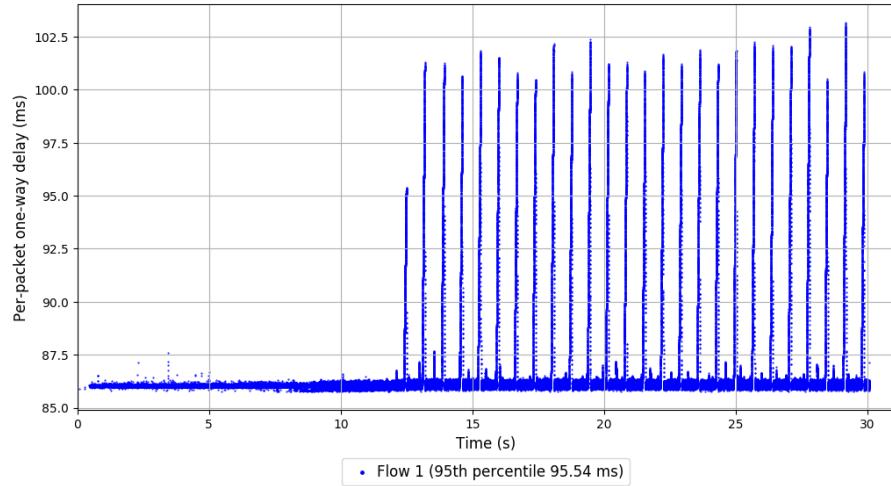
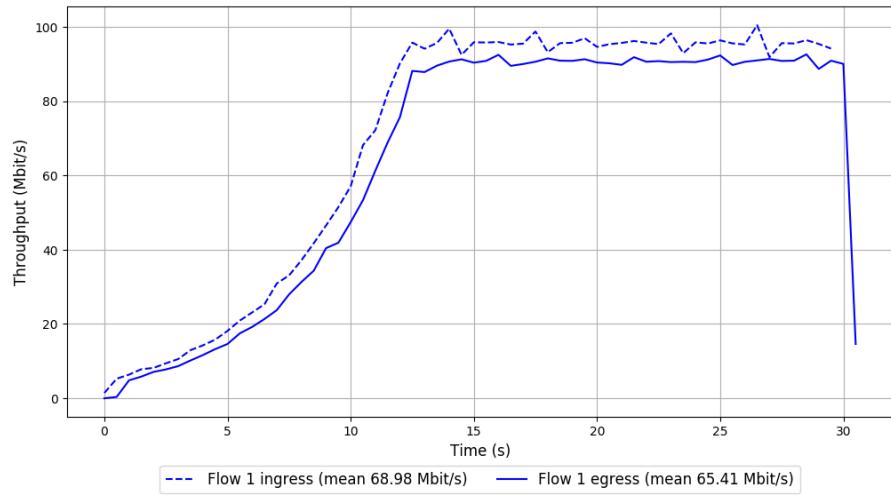


Run 4: Statistics of FillP

```
Start at: 2019-01-17 07:48:51
End at: 2019-01-17 07:49:21
Local clock offset: -5.066 ms
Remote clock offset: 1.076 ms

# Below is generated by plot.py at 2019-01-17 08:34:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.41 Mbit/s
95th percentile per-packet one-way delay: 95.544 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 65.41 Mbit/s
95th percentile per-packet one-way delay: 95.544 ms
Loss rate: 5.17%
```

Run 4: Report of FillP — Data Link

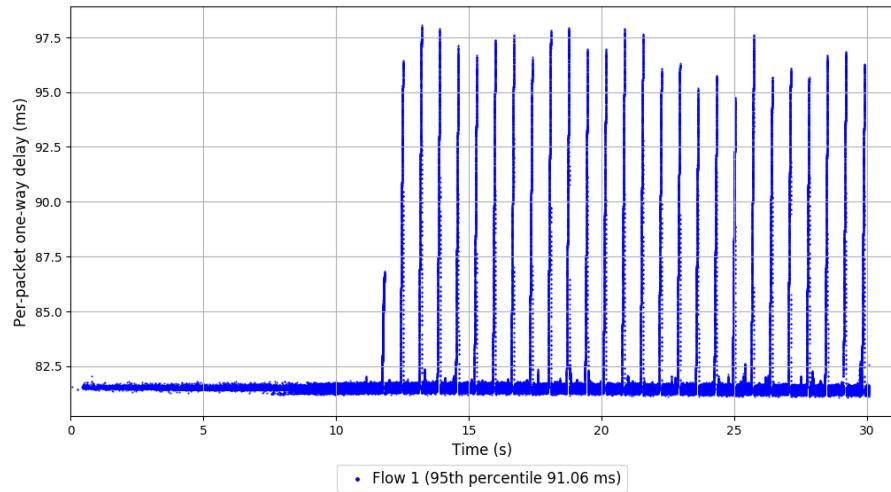
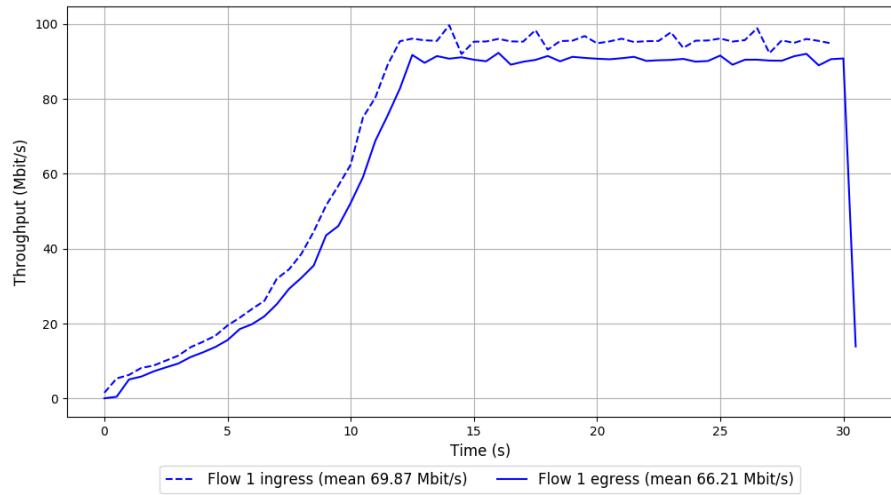


Run 5: Statistics of FillP

```
Start at: 2019-01-17 08:13:10
End at: 2019-01-17 08:13:40
Local clock offset: -4.315 ms
Remote clock offset: -2.555 ms

# Below is generated by plot.py at 2019-01-17 08:34:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 91.056 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 91.056 ms
Loss rate: 5.23%
```

Run 5: Report of FillP — Data Link

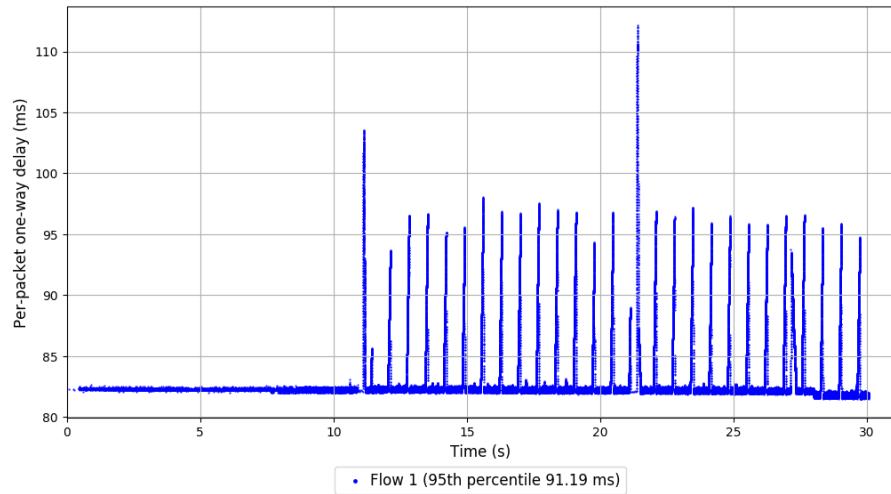
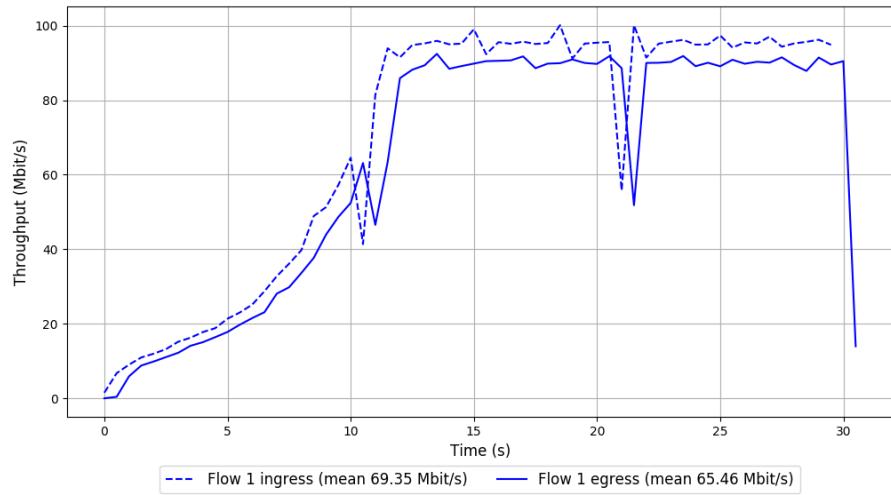


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-17 06:54:05
End at: 2019-01-17 06:54:35
Local clock offset: -2.203 ms
Remote clock offset: 43.322 ms

# Below is generated by plot.py at 2019-01-17 08:34:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.46 Mbit/s
95th percentile per-packet one-way delay: 91.192 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 65.46 Mbit/s
95th percentile per-packet one-way delay: 91.192 ms
Loss rate: 5.61%
```

Run 1: Report of FillP-Sheep — Data Link

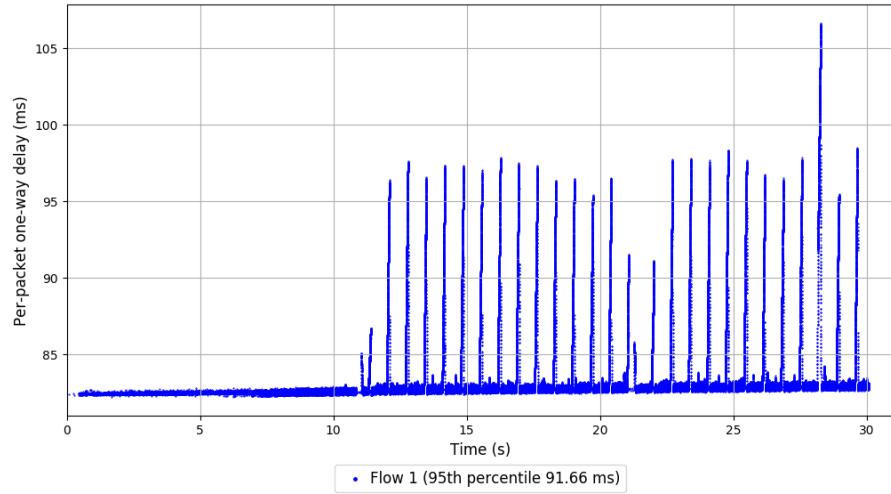
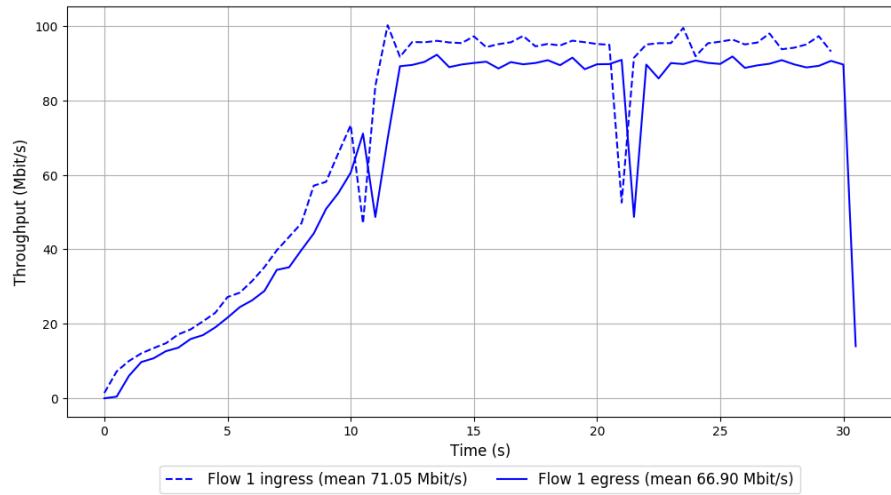


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-17 07:18:35
End at: 2019-01-17 07:19:05
Local clock offset: -4.14 ms
Remote clock offset: 1.935 ms

# Below is generated by plot.py at 2019-01-17 08:34:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 91.656 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 91.656 ms
Loss rate: 5.85%
```

Run 2: Report of FillP-Sheep — Data Link

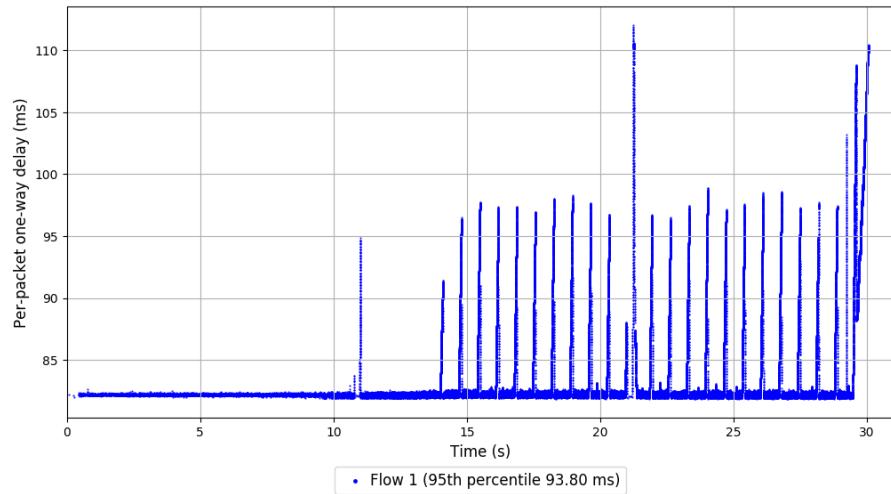
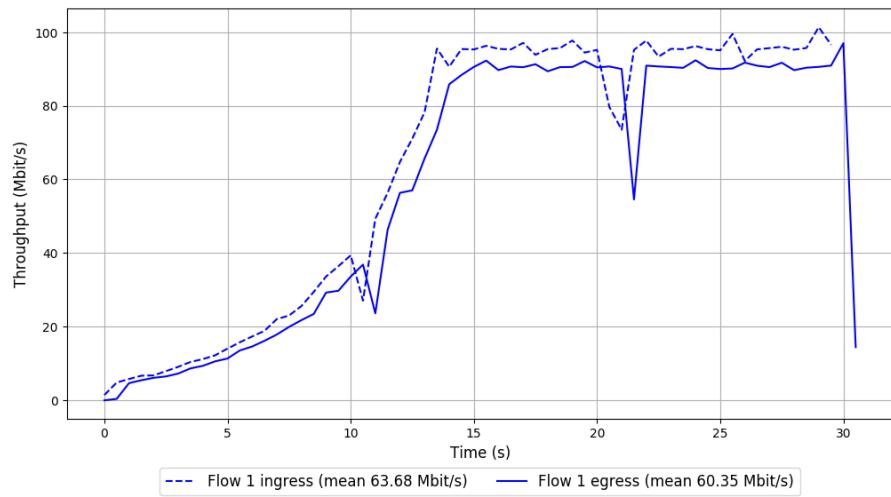


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-17 07:43:06
End at: 2019-01-17 07:43:36
Local clock offset: -5.026 ms
Remote clock offset: -3.71 ms

# Below is generated by plot.py at 2019-01-17 08:34:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 93.799 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 93.799 ms
Loss rate: 5.15%
```

Run 3: Report of FillP-Sheep — Data Link

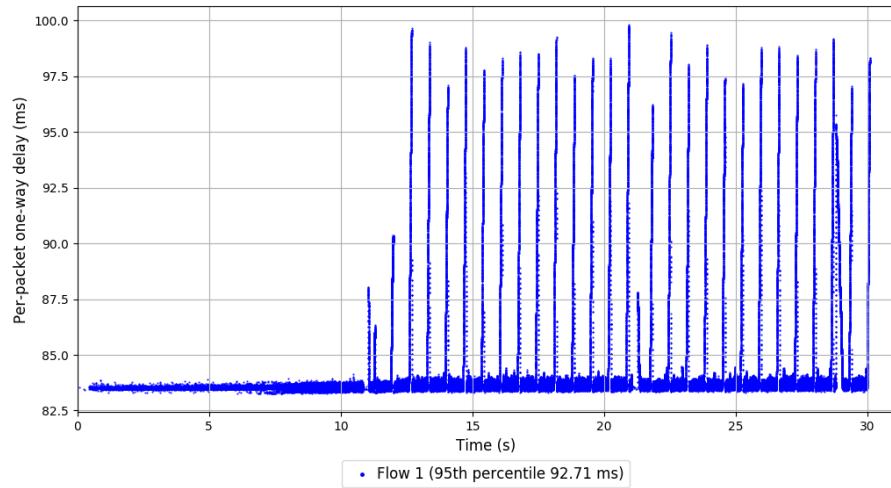
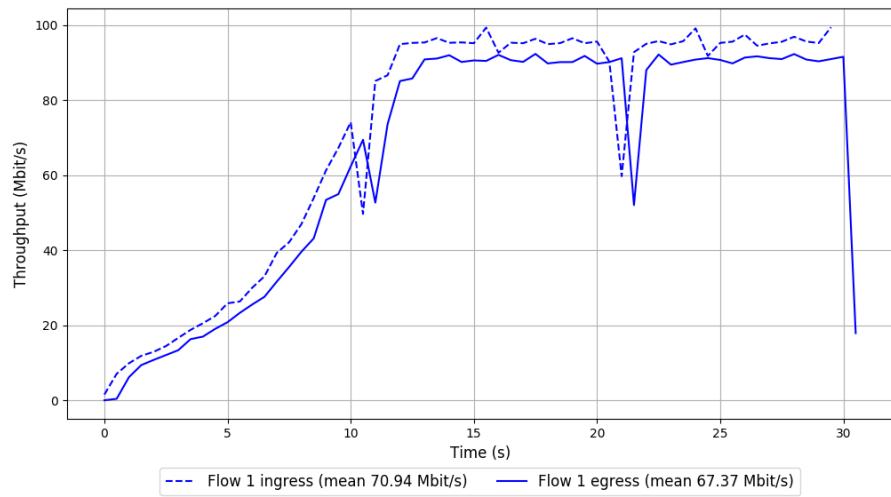


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-17 08:07:25
End at: 2019-01-17 08:07:55
Local clock offset: -4.981 ms
Remote clock offset: -1.132 ms

# Below is generated by plot.py at 2019-01-17 08:35:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.37 Mbit/s
95th percentile per-packet one-way delay: 92.706 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 67.37 Mbit/s
95th percentile per-packet one-way delay: 92.706 ms
Loss rate: 4.98%
```

Run 4: Report of FillP-Sheep — Data Link

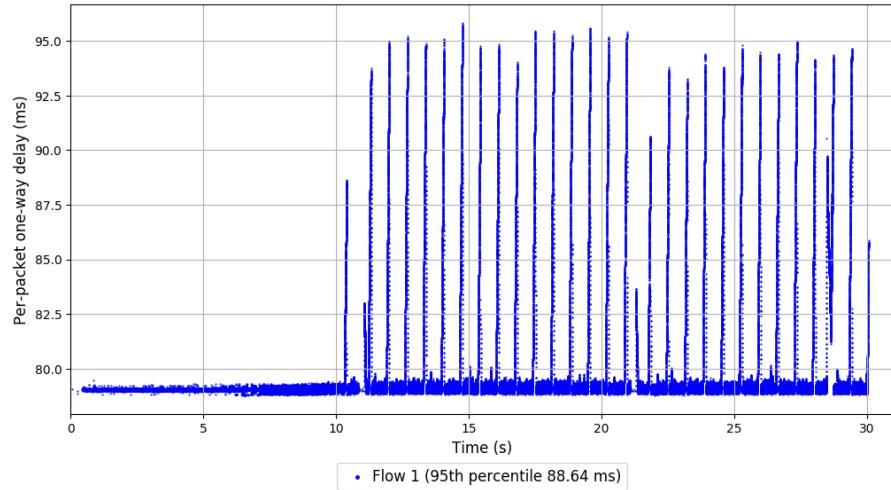
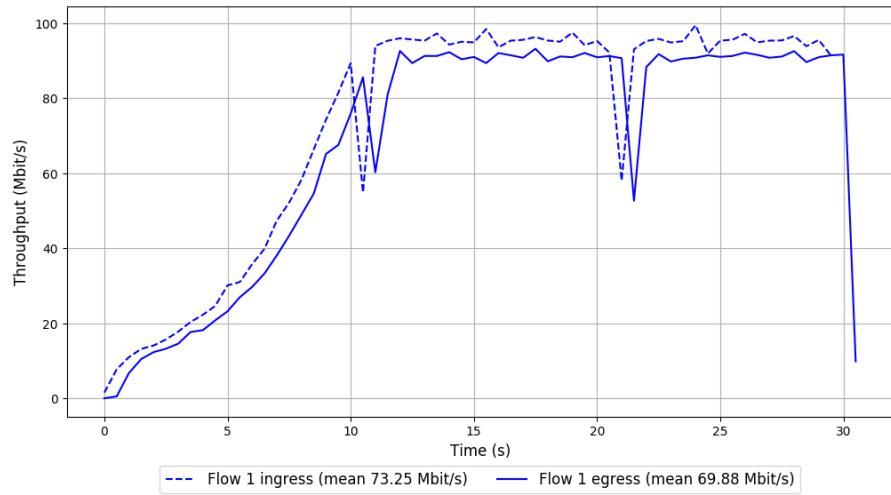


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-17 08:31:45
End at: 2019-01-17 08:32:15
Local clock offset: -5.574 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-01-17 08:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 88.640 ms
Loss rate: 4.59%
-- Flow 1:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 88.640 ms
Loss rate: 4.59%
```

Run 5: Report of FillP-Sheep — Data Link

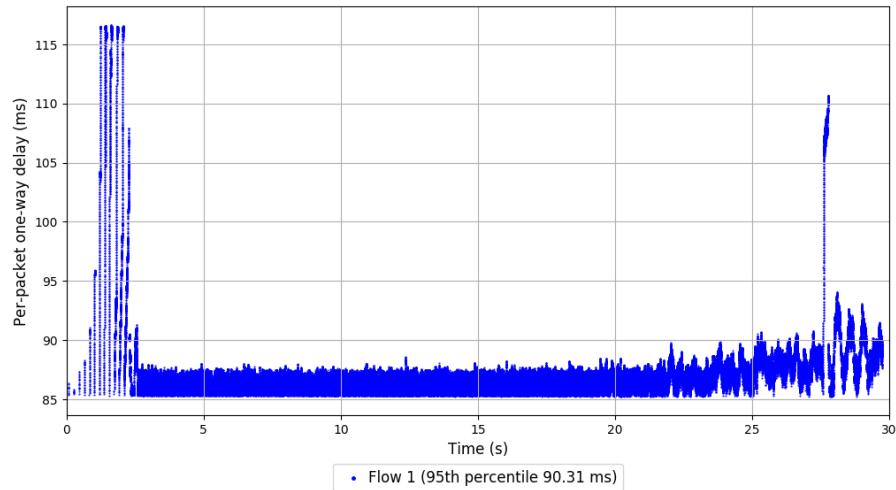
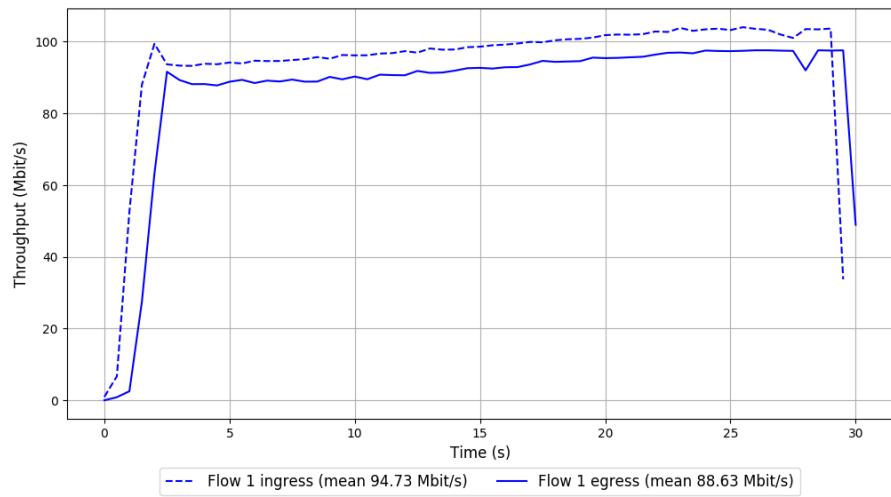


Run 1: Statistics of Indigo

```
Start at: 2019-01-17 06:36:39
End at: 2019-01-17 06:37:09
Local clock offset: -0.996 ms
Remote clock offset: 40.327 ms

# Below is generated by plot.py at 2019-01-17 08:35:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.63 Mbit/s
95th percentile per-packet one-way delay: 90.308 ms
Loss rate: 6.44%
-- Flow 1:
Average throughput: 88.63 Mbit/s
95th percentile per-packet one-way delay: 90.308 ms
Loss rate: 6.44%
```

Run 1: Report of Indigo — Data Link

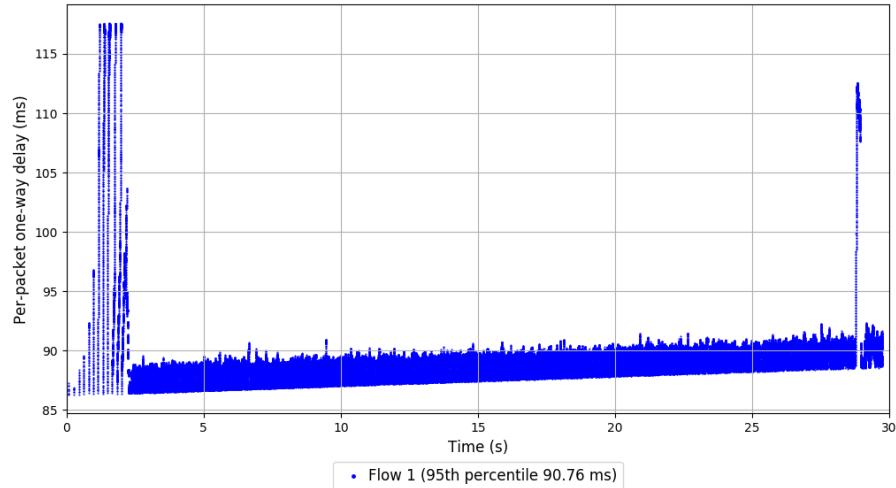
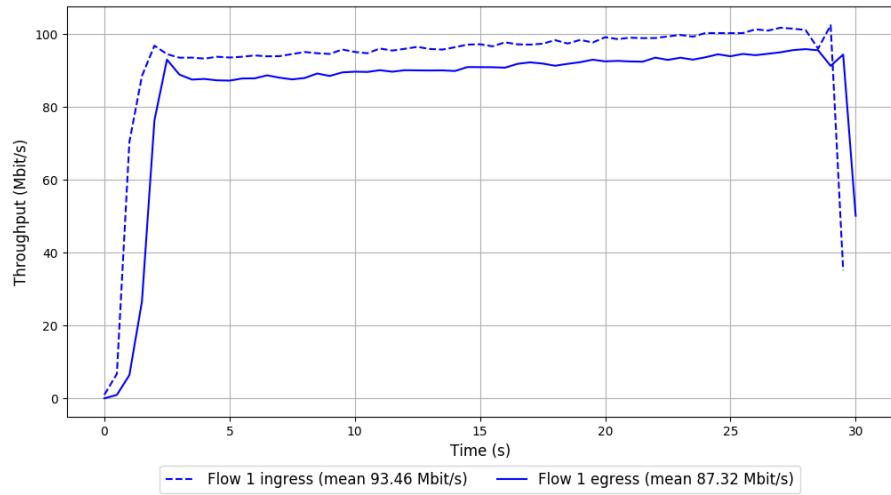


Run 2: Statistics of Indigo

```
Start at: 2019-01-17 07:01:03
End at: 2019-01-17 07:01:33
Local clock offset: -2.485 ms
Remote clock offset: 49.524 ms

# Below is generated by plot.py at 2019-01-17 08:35:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 90.763 ms
Loss rate: 6.57%
-- Flow 1:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 90.763 ms
Loss rate: 6.57%
```

Run 2: Report of Indigo — Data Link

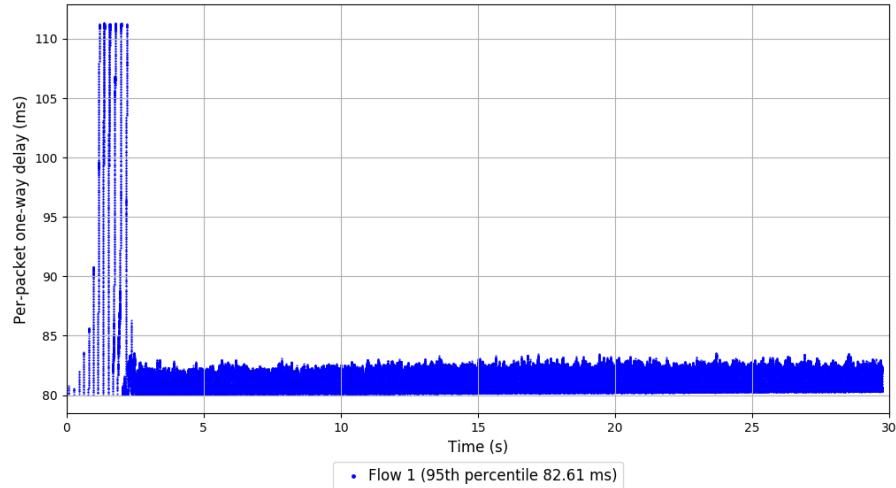
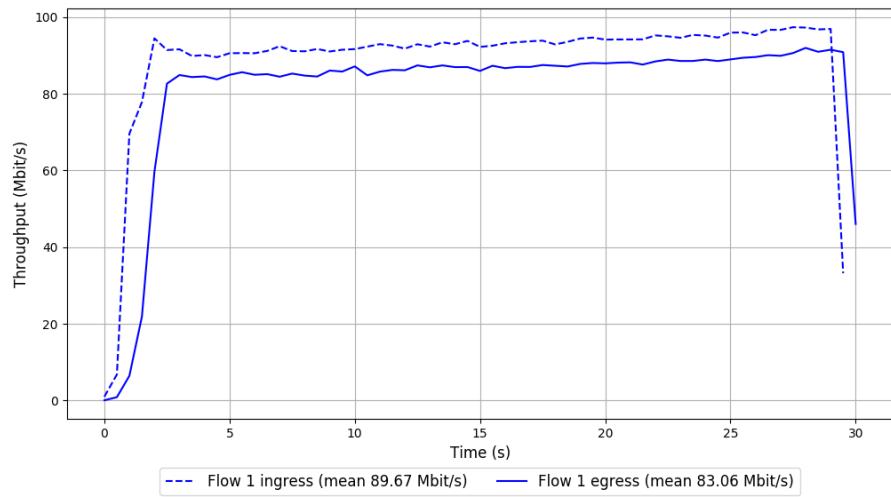


Run 3: Statistics of Indigo

```
Start at: 2019-01-17 07:25:33
End at: 2019-01-17 07:26:03
Local clock offset: -3.797 ms
Remote clock offset: -4.508 ms

# Below is generated by plot.py at 2019-01-17 08:35:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.06 Mbit/s
95th percentile per-packet one-way delay: 82.609 ms
Loss rate: 7.37%
-- Flow 1:
Average throughput: 83.06 Mbit/s
95th percentile per-packet one-way delay: 82.609 ms
Loss rate: 7.37%
```

Run 3: Report of Indigo — Data Link

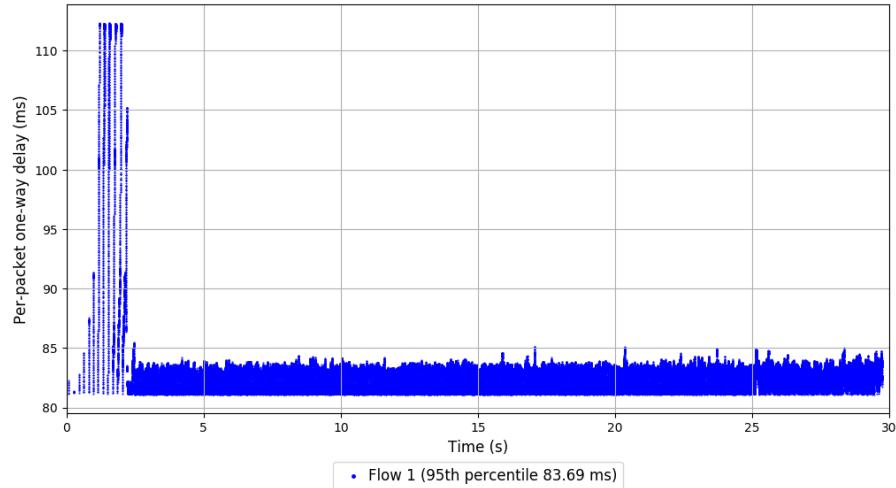
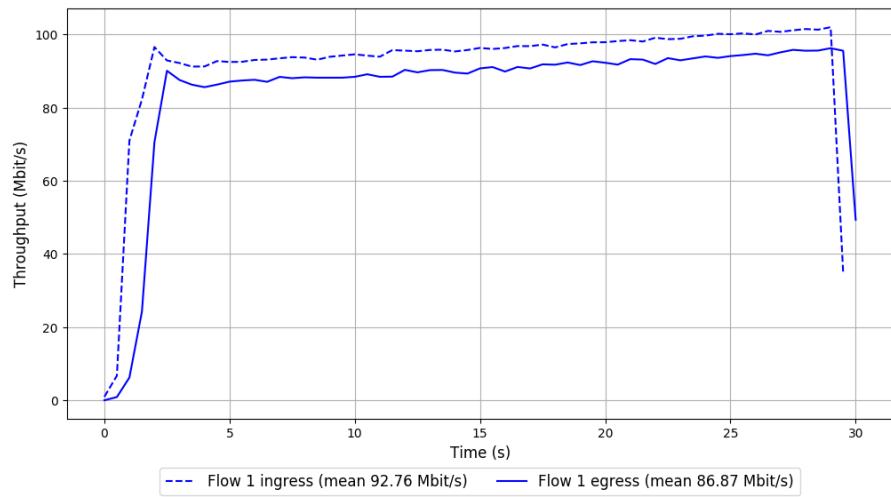


Run 4: Statistics of Indigo

```
Start at: 2019-01-17 07:50:02
End at: 2019-01-17 07:50:32
Local clock offset: -4.295 ms
Remote clock offset: -2.365 ms

# Below is generated by plot.py at 2019-01-17 08:35:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 83.691 ms
Loss rate: 6.34%
-- Flow 1:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 83.691 ms
Loss rate: 6.34%
```

Run 4: Report of Indigo — Data Link

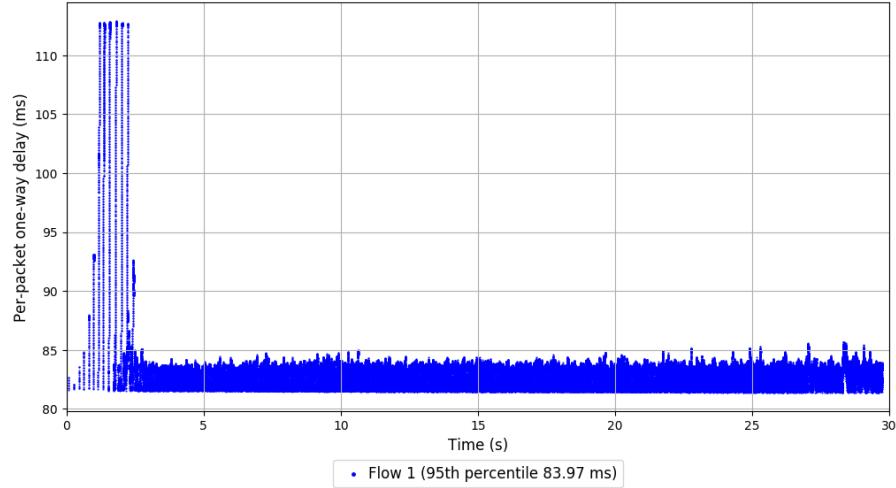
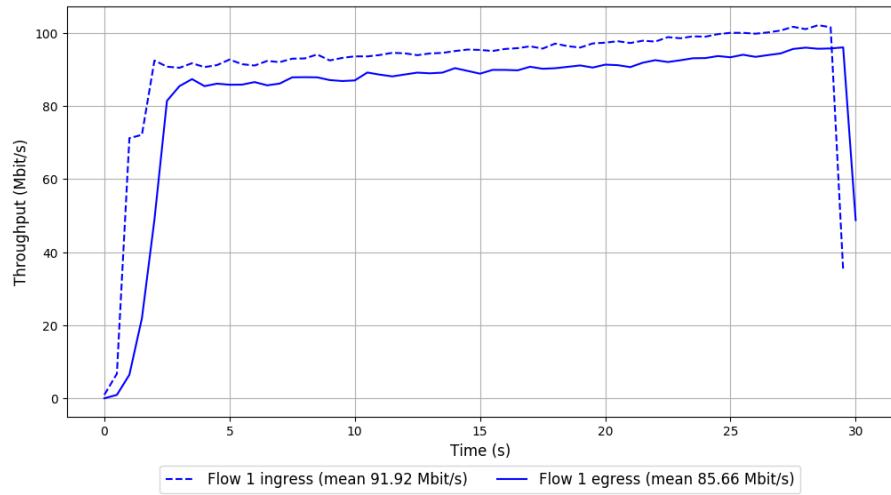


Run 5: Statistics of Indigo

```
Start at: 2019-01-17 08:14:23
End at: 2019-01-17 08:14:53
Local clock offset: -4.272 ms
Remote clock offset: -1.068 ms

# Below is generated by plot.py at 2019-01-17 08:35:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 83.973 ms
Loss rate: 6.81%
-- Flow 1:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 83.973 ms
Loss rate: 6.81%
```

Run 5: Report of Indigo — Data Link

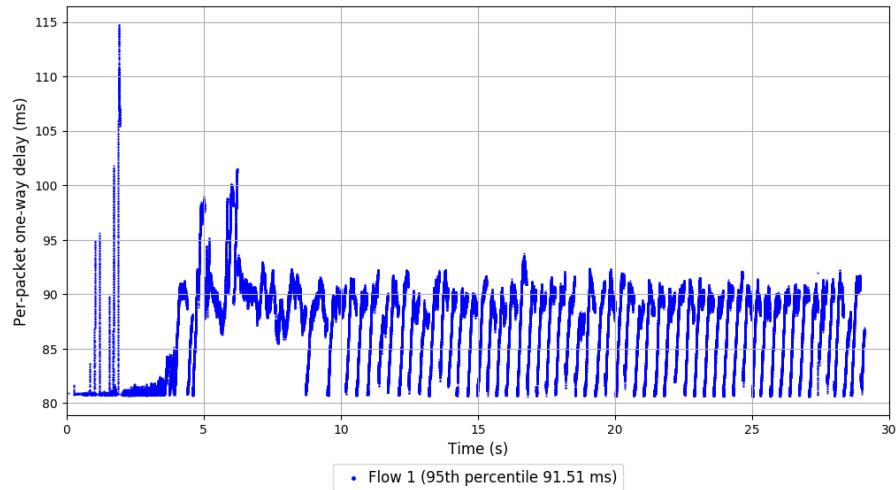
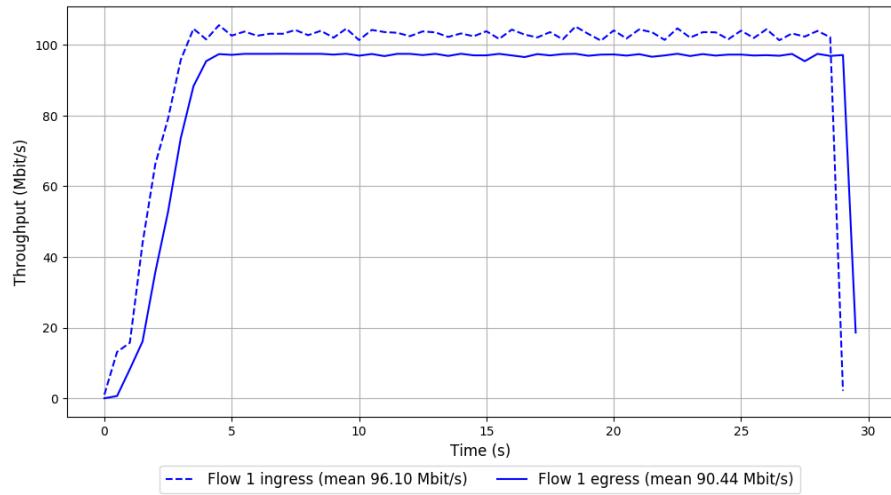


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 06:42:27
End at: 2019-01-17 06:42:57
Local clock offset: 0.336 ms
Remote clock offset: 38.38 ms

# Below is generated by plot.py at 2019-01-17 08:35:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.44 Mbit/s
95th percentile per-packet one-way delay: 91.509 ms
Loss rate: 5.87%
-- Flow 1:
Average throughput: 90.44 Mbit/s
95th percentile per-packet one-way delay: 91.509 ms
Loss rate: 5.87%
```

Run 1: Report of Indigo-MusesC3 — Data Link

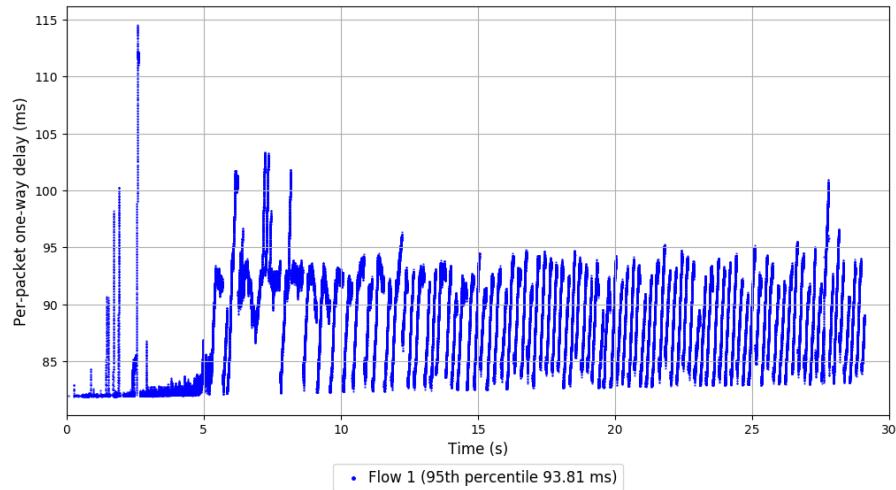
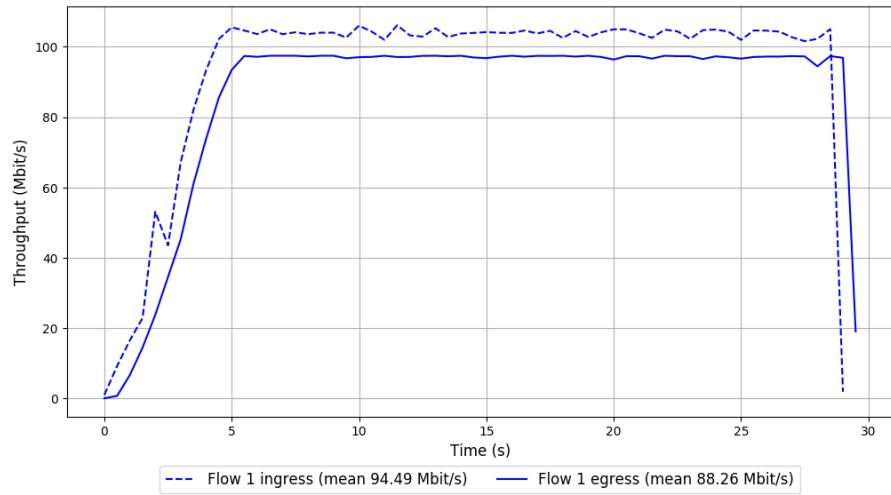


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 07:07:01
End at: 2019-01-17 07:07:31
Local clock offset: -3.692 ms
Remote clock offset: 21.934 ms

# Below is generated by plot.py at 2019-01-17 08:36:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 93.807 ms
Loss rate: 6.58%
-- Flow 1:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 93.807 ms
Loss rate: 6.58%
```

Run 2: Report of Indigo-MusesC3 — Data Link

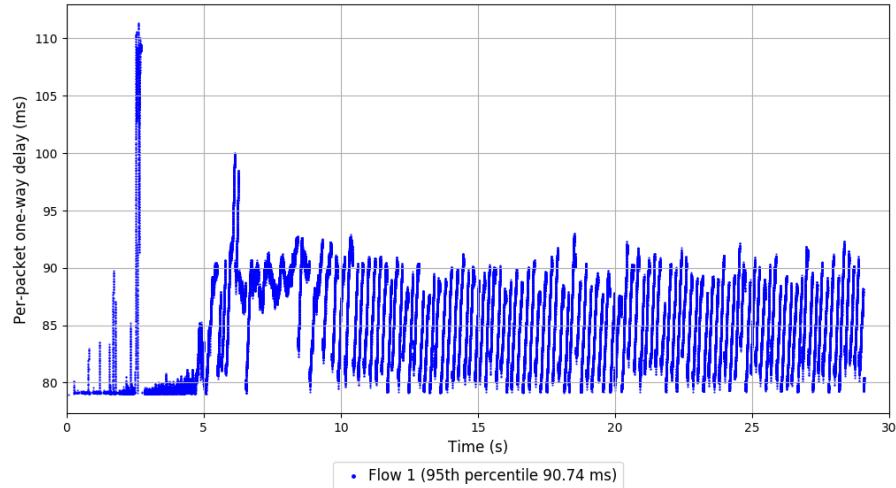
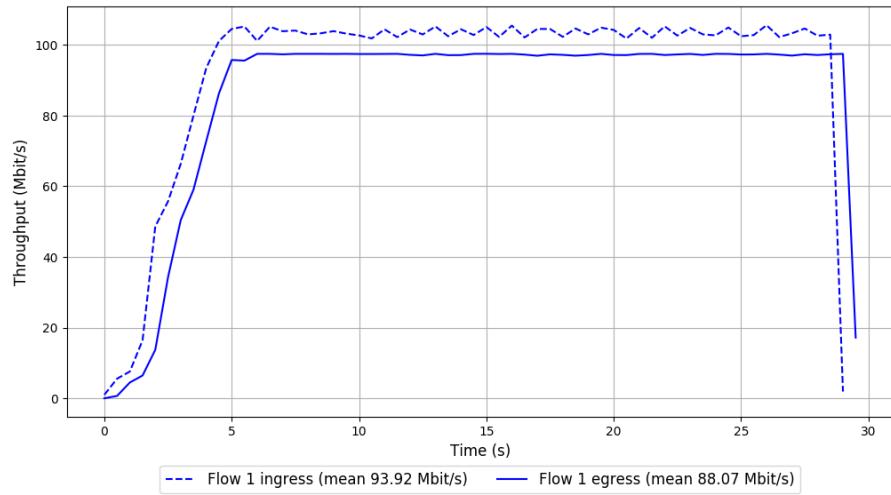


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 07:31:27
End at: 2019-01-17 07:31:57
Local clock offset: -3.992 ms
Remote clock offset: -7.76 ms

# Below is generated by plot.py at 2019-01-17 08:36:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 90.737 ms
Loss rate: 6.22%
-- Flow 1:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 90.737 ms
Loss rate: 6.22%
```

Run 3: Report of Indigo-MusesC3 — Data Link

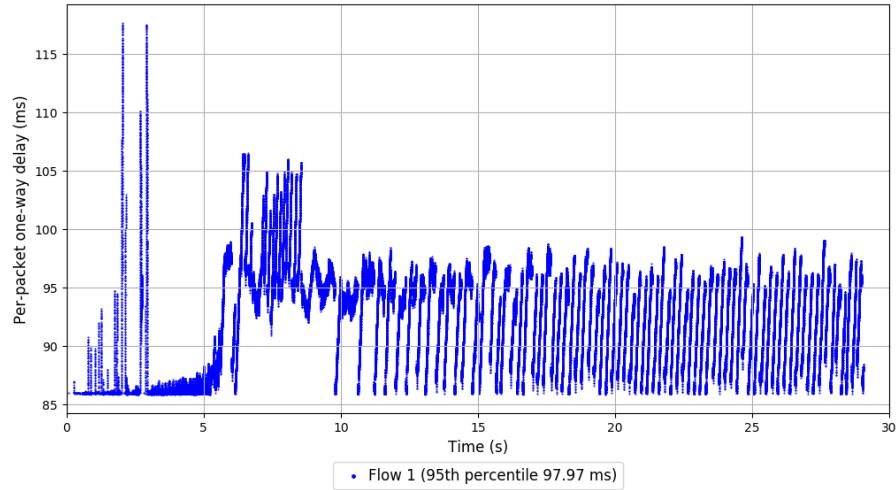
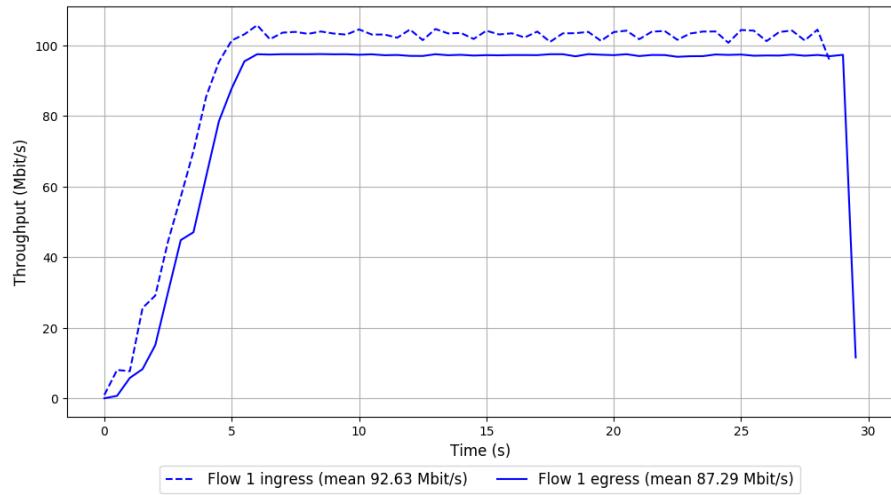


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 07:55:51
End at: 2019-01-17 07:56:21
Local clock offset: -4.216 ms
Remote clock offset: 2.365 ms

# Below is generated by plot.py at 2019-01-17 08:36:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 97.975 ms
Loss rate: 5.76%
-- Flow 1:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 97.975 ms
Loss rate: 5.76%
```

Run 4: Report of Indigo-MusesC3 — Data Link

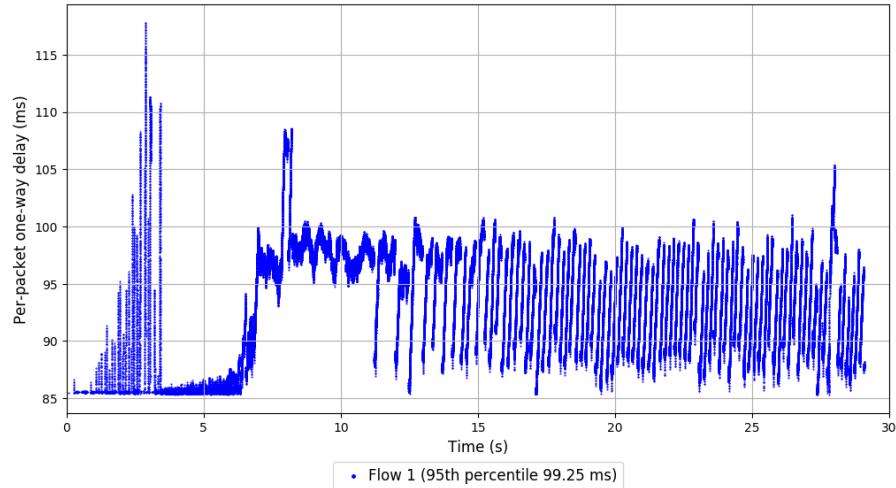
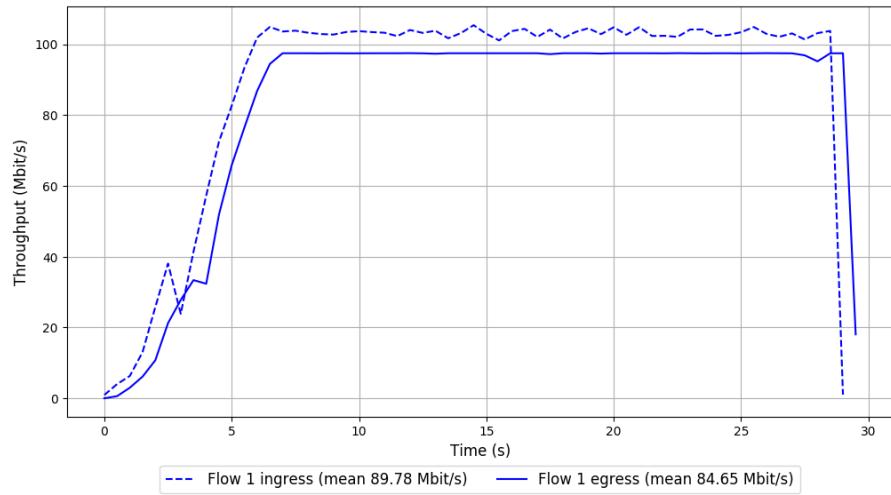


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 08:20:13
End at: 2019-01-17 08:20:43
Local clock offset: -4.651 ms
Remote clock offset: 4.271 ms

# Below is generated by plot.py at 2019-01-17 08:36:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.65 Mbit/s
95th percentile per-packet one-way delay: 99.252 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 84.65 Mbit/s
95th percentile per-packet one-way delay: 99.252 ms
Loss rate: 5.71%
```

Run 5: Report of Indigo-MusesC3 — Data Link

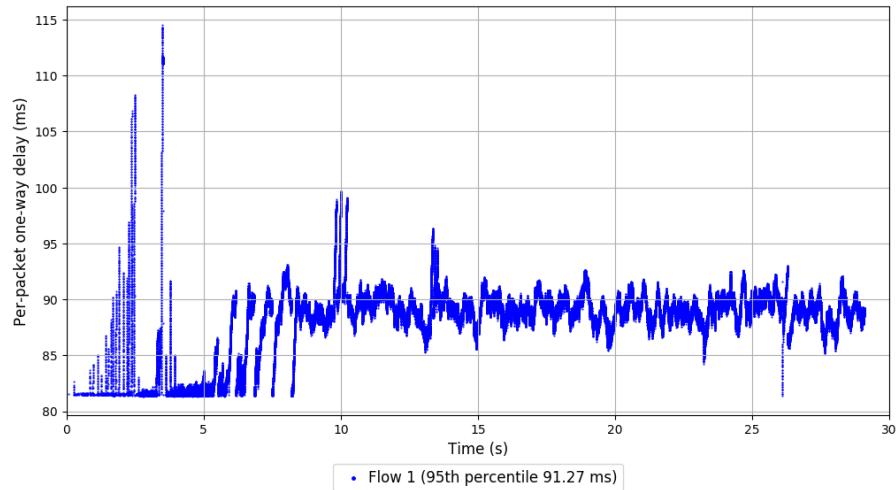
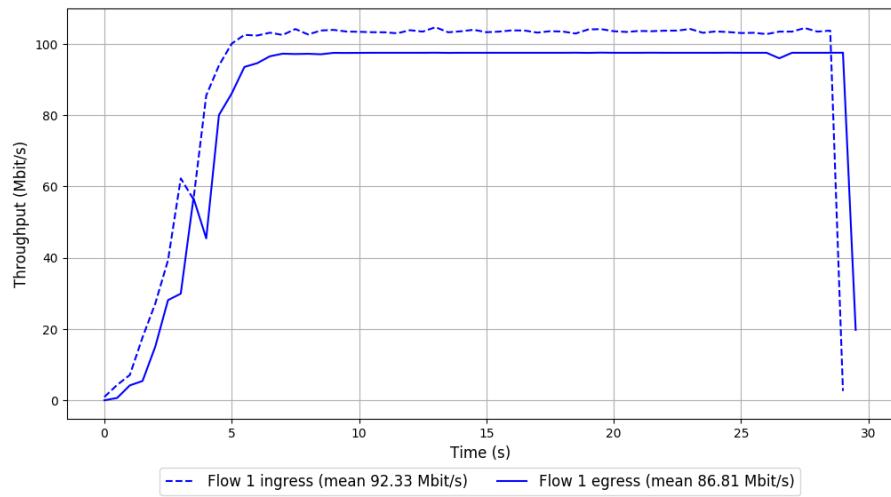


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 06:43:40
End at: 2019-01-17 06:44:10
Local clock offset: -0.403 ms
Remote clock offset: 38.611 ms

# Below is generated by plot.py at 2019-01-17 08:36:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 91.274 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 91.274 ms
Loss rate: 5.95%
```

Run 1: Report of Indigo-MusesC5 — Data Link

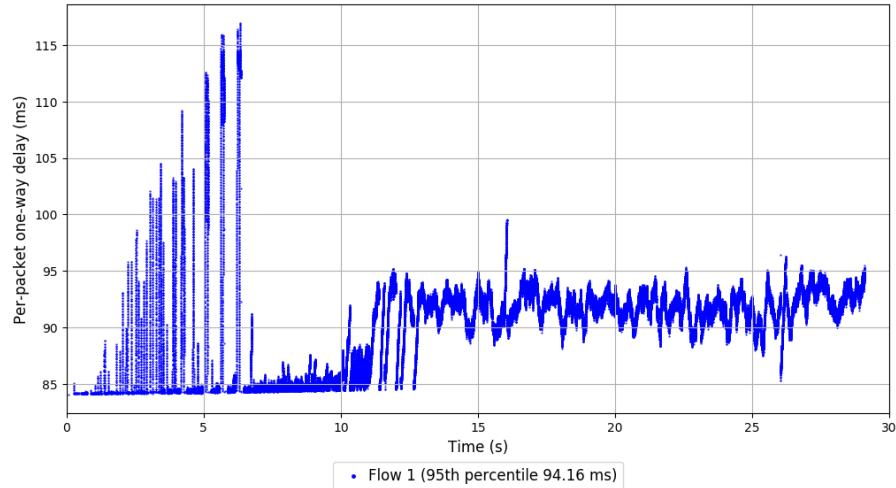
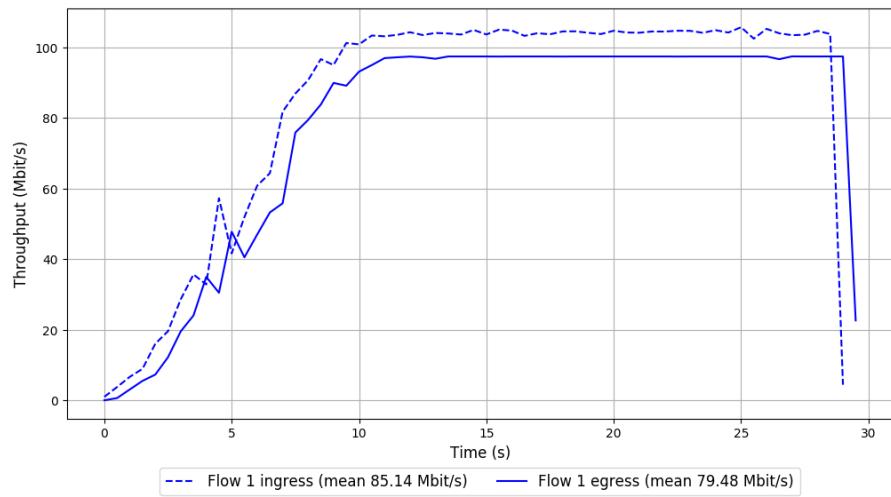


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 07:08:15
End at: 2019-01-17 07:08:45
Local clock offset: -2.983 ms
Remote clock offset: 21.346 ms

# Below is generated by plot.py at 2019-01-17 08:36:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.48 Mbit/s
95th percentile per-packet one-way delay: 94.163 ms
Loss rate: 6.61%
-- Flow 1:
Average throughput: 79.48 Mbit/s
95th percentile per-packet one-way delay: 94.163 ms
Loss rate: 6.61%
```

Run 2: Report of Indigo-MusesC5 — Data Link

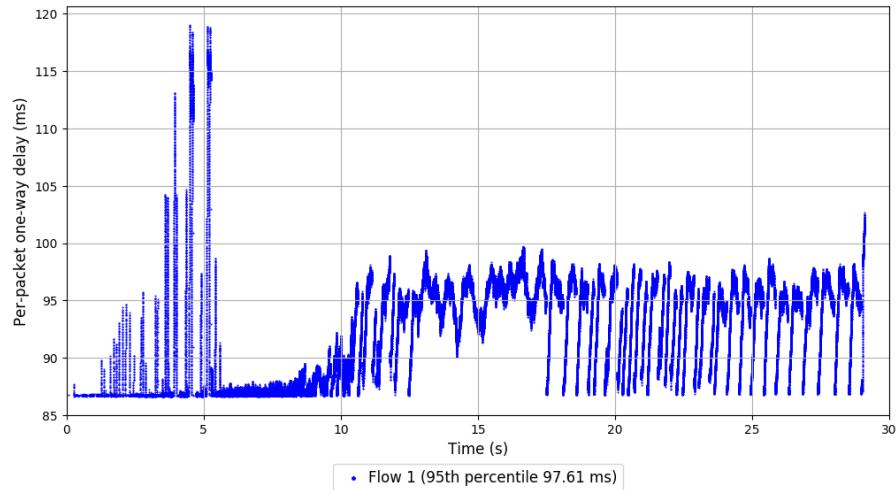
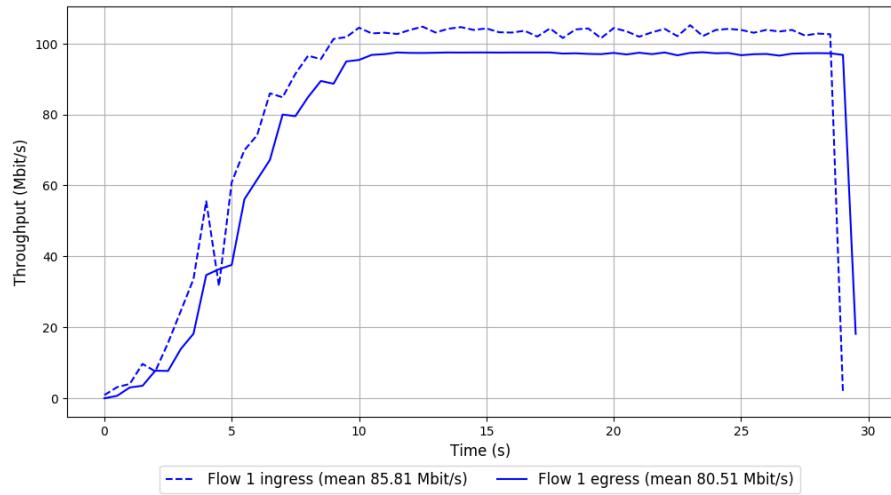


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 07:32:39
End at: 2019-01-17 07:33:09
Local clock offset: -4.026 ms
Remote clock offset: -2.51 ms

# Below is generated by plot.py at 2019-01-17 08:36:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 97.610 ms
Loss rate: 6.13%
-- Flow 1:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 97.610 ms
Loss rate: 6.13%
```

Run 3: Report of Indigo-MusesC5 — Data Link

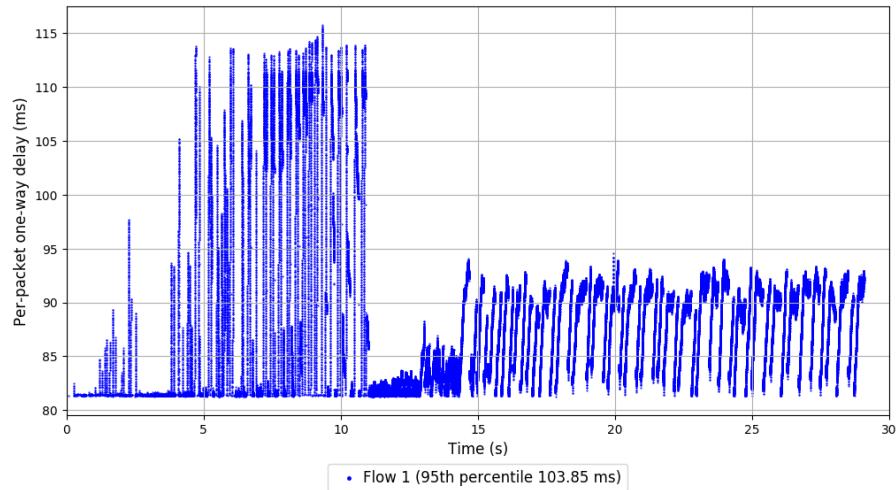
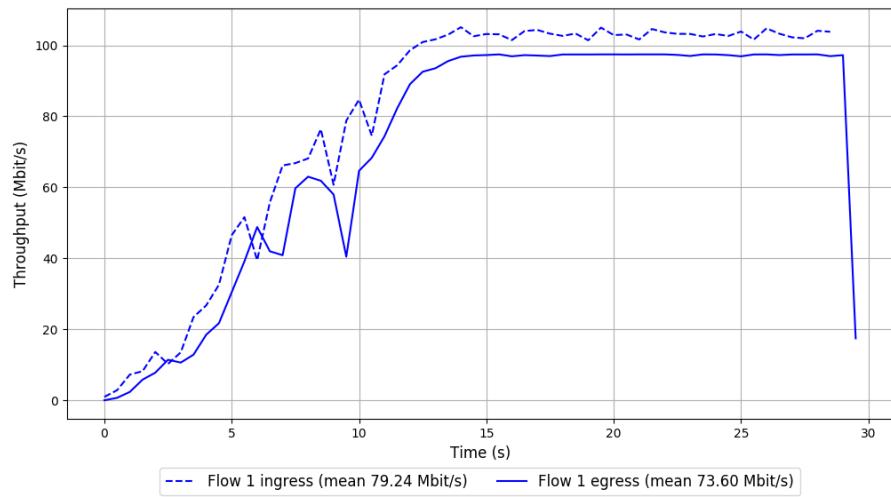


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 07:57:03
End at: 2019-01-17 07:57:33
Local clock offset: -5.043 ms
Remote clock offset: -3.734 ms

# Below is generated by plot.py at 2019-01-17 08:36:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.60 Mbit/s
95th percentile per-packet one-way delay: 103.851 ms
Loss rate: 7.09%
-- Flow 1:
Average throughput: 73.60 Mbit/s
95th percentile per-packet one-way delay: 103.851 ms
Loss rate: 7.09%
```

Run 4: Report of Indigo-MusesC5 — Data Link

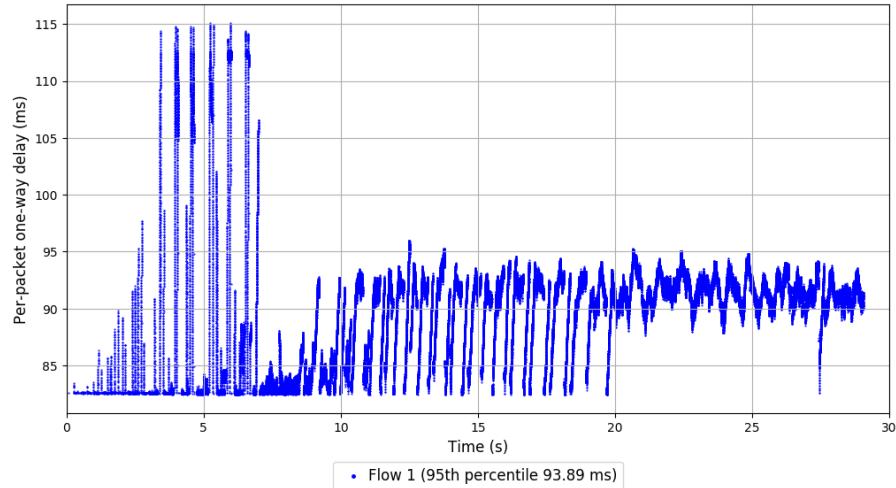
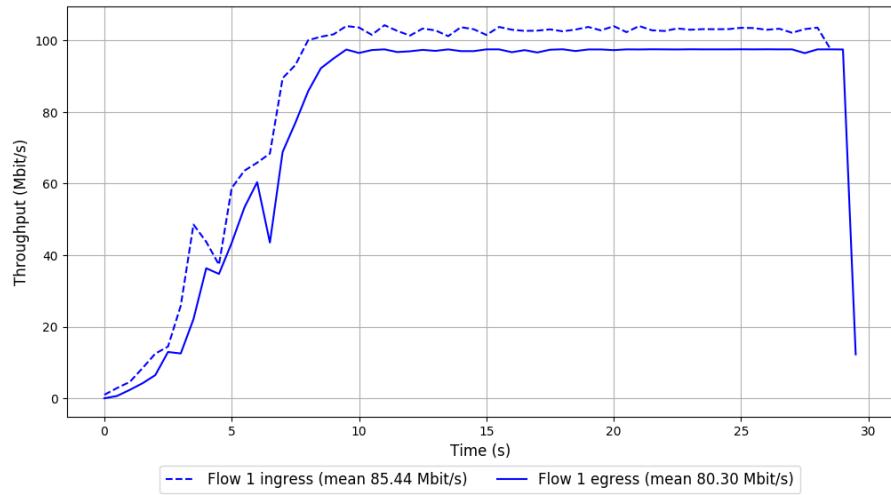


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 08:21:25
End at: 2019-01-17 08:21:55
Local clock offset: -5.55 ms
Remote clock offset: 0.724 ms

# Below is generated by plot.py at 2019-01-17 08:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.30 Mbit/s
95th percentile per-packet one-way delay: 93.886 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 80.30 Mbit/s
95th percentile per-packet one-way delay: 93.886 ms
Loss rate: 5.99%
```

Run 5: Report of Indigo-MusesC5 — Data Link

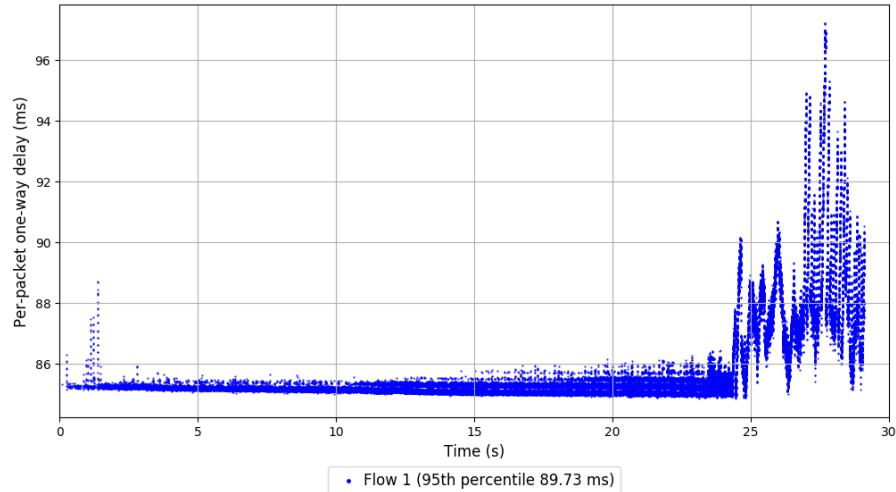
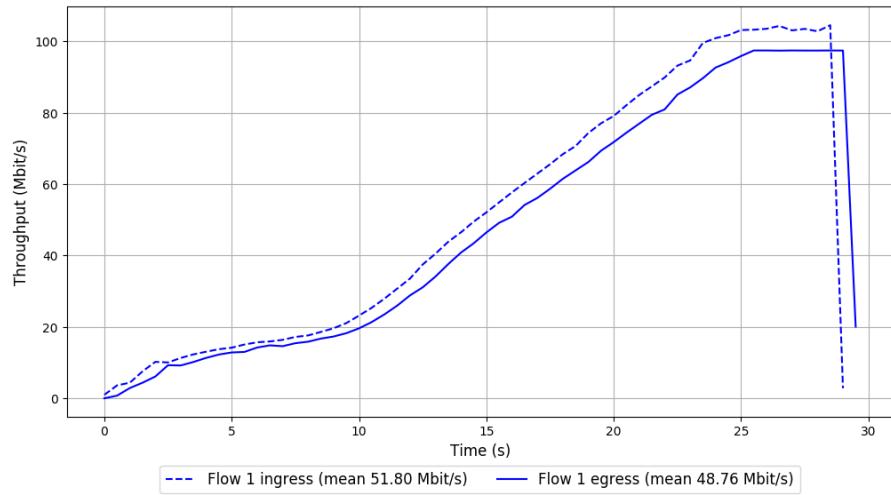


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 06:52:54
End at: 2019-01-17 06:53:24
Local clock offset: -1.885 ms
Remote clock offset: 45.597 ms

# Below is generated by plot.py at 2019-01-17 08:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 89.733 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 89.733 ms
Loss rate: 5.85%
```

Run 1: Report of Indigo-MusesD — Data Link

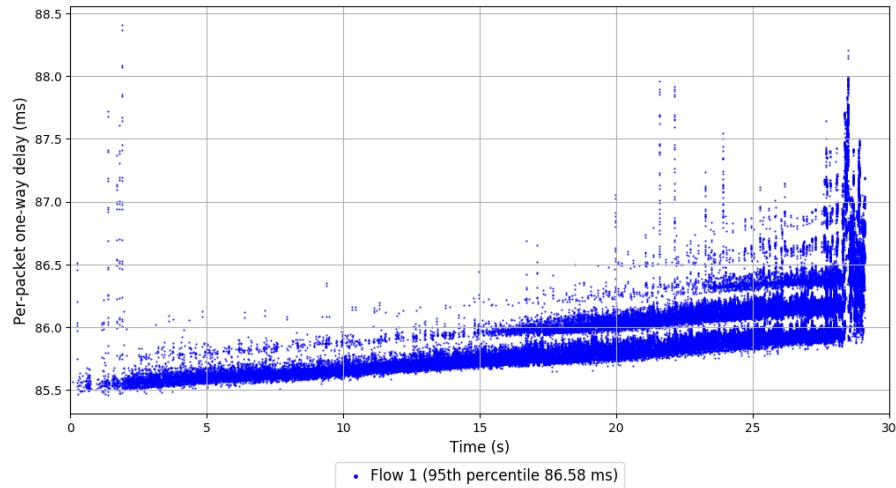
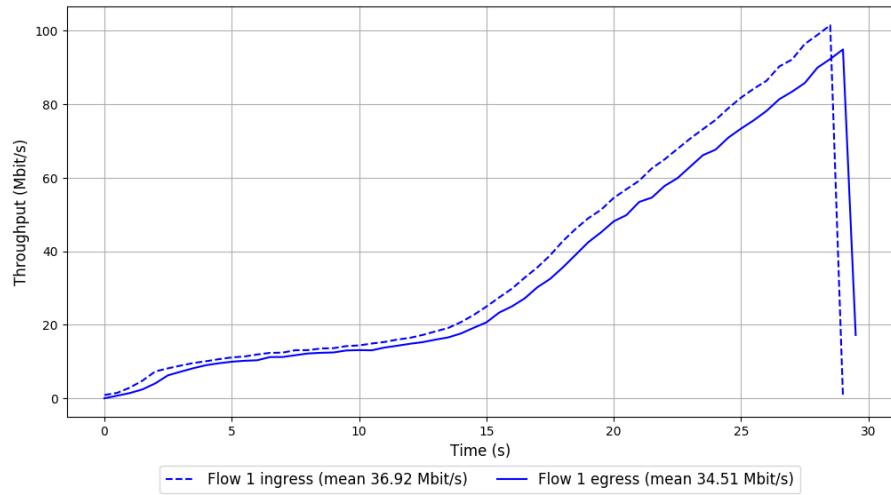


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 07:17:25
End at: 2019-01-17 07:17:55
Local clock offset: -3.269 ms
Remote clock offset: 7.017 ms

# Below is generated by plot.py at 2019-01-17 08:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 86.582 ms
Loss rate: 6.53%
-- Flow 1:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 86.582 ms
Loss rate: 6.53%
```

Run 2: Report of Indigo-MusesD — Data Link

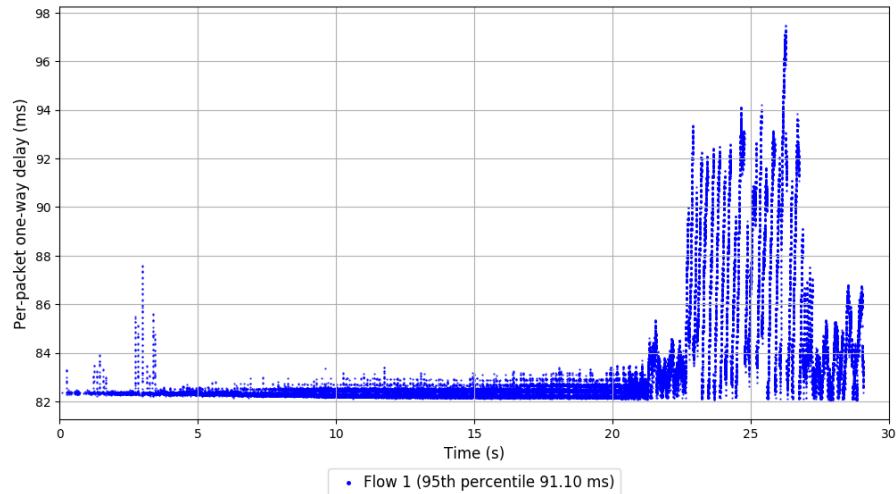
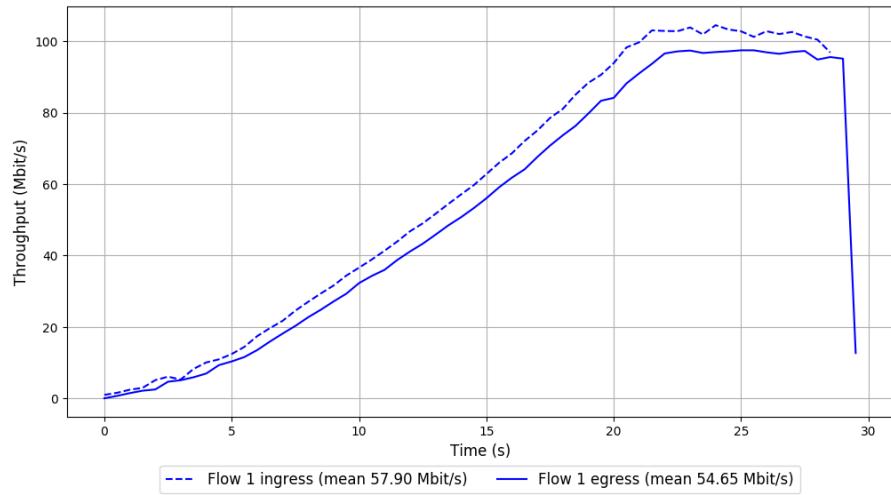


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 07:41:55
End at: 2019-01-17 07:42:25
Local clock offset: -5.003 ms
Remote clock offset: -5.1 ms

# Below is generated by plot.py at 2019-01-17 08:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 91.104 ms
Loss rate: 5.63%
-- Flow 1:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 91.104 ms
Loss rate: 5.63%
```

Run 3: Report of Indigo-MusesD — Data Link

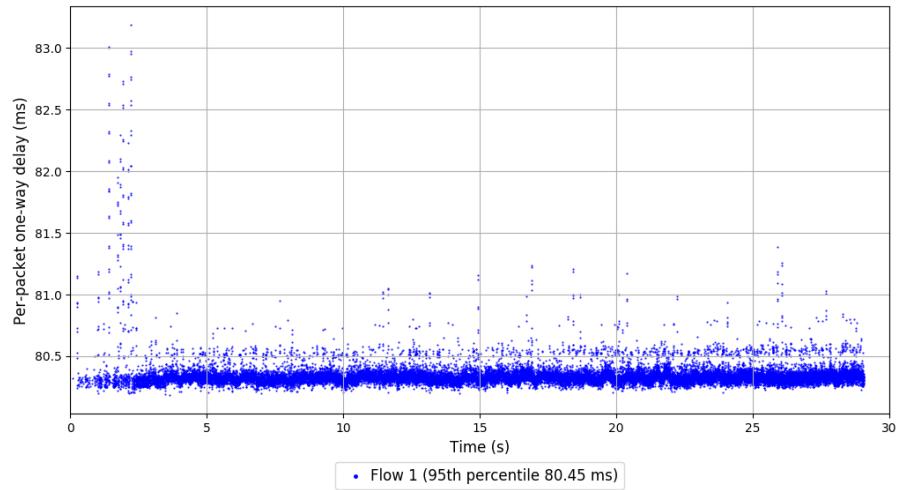
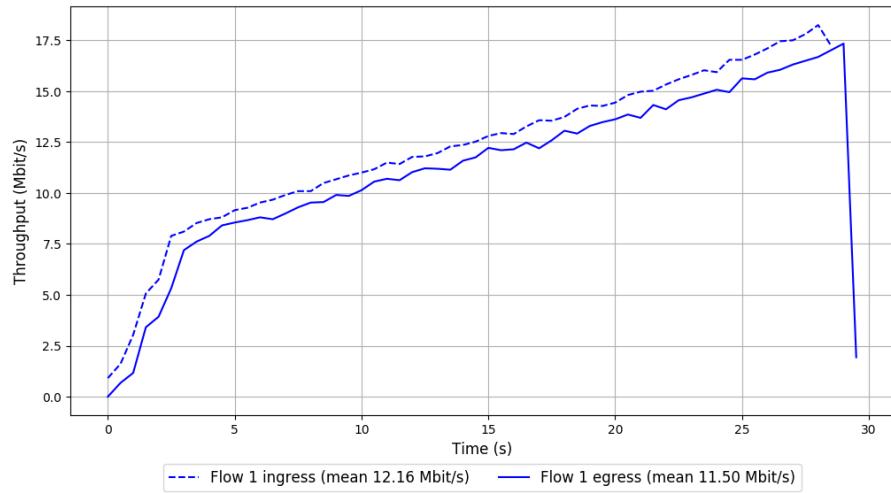


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 08:06:16
End at: 2019-01-17 08:06:46
Local clock offset: -4.228 ms
Remote clock offset: -3.542 ms

# Below is generated by plot.py at 2019-01-17 08:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 80.453 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 80.453 ms
Loss rate: 5.39%
```

Run 4: Report of Indigo-MusesD — Data Link

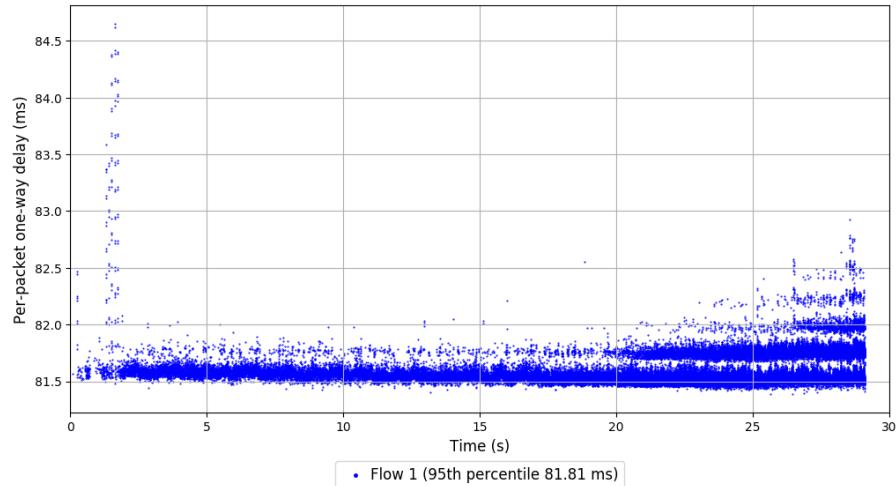
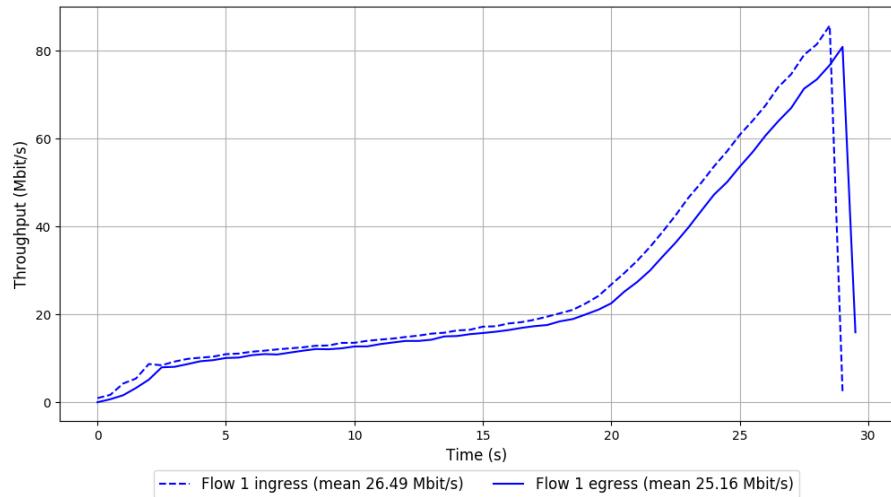


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 08:30:36
End at: 2019-01-17 08:31:06
Local clock offset: -5.497 ms
Remote clock offset: 0.91 ms

# Below is generated by plot.py at 2019-01-17 08:37:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 81.815 ms
Loss rate: 5.01%
-- Flow 1:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 81.815 ms
Loss rate: 5.01%
```

Run 5: Report of Indigo-MusesD — Data Link

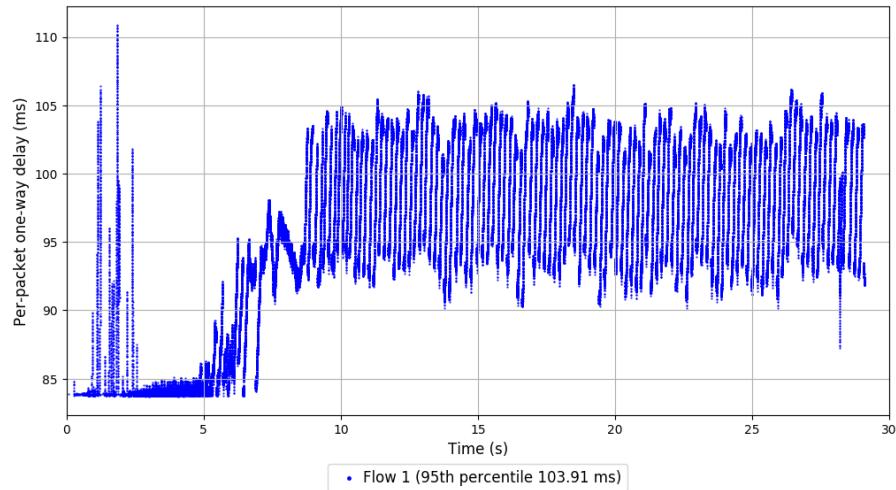
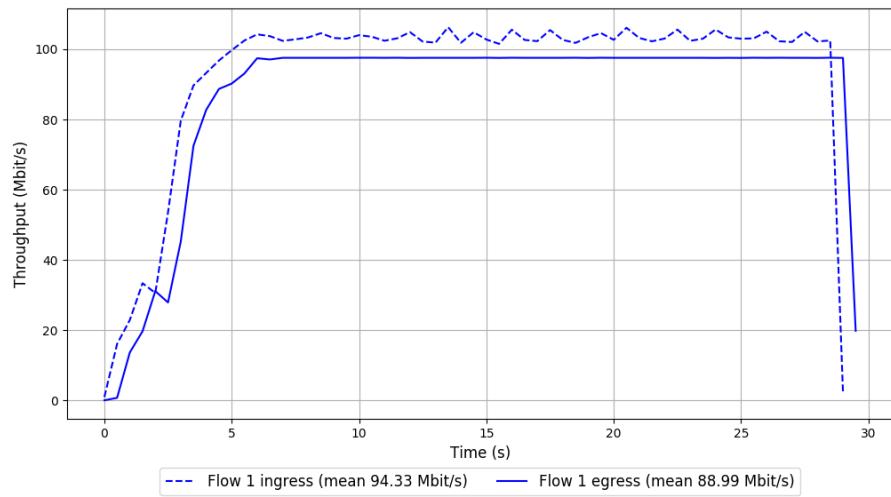


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 06:41:15
End at: 2019-01-17 06:41:45
Local clock offset: 0.242 ms
Remote clock offset: 39.089 ms

# Below is generated by plot.py at 2019-01-17 08:38:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.99 Mbit/s
95th percentile per-packet one-way delay: 103.913 ms
Loss rate: 5.64%
-- Flow 1:
Average throughput: 88.99 Mbit/s
95th percentile per-packet one-way delay: 103.913 ms
Loss rate: 5.64%
```

Run 1: Report of Indigo-MusesT — Data Link

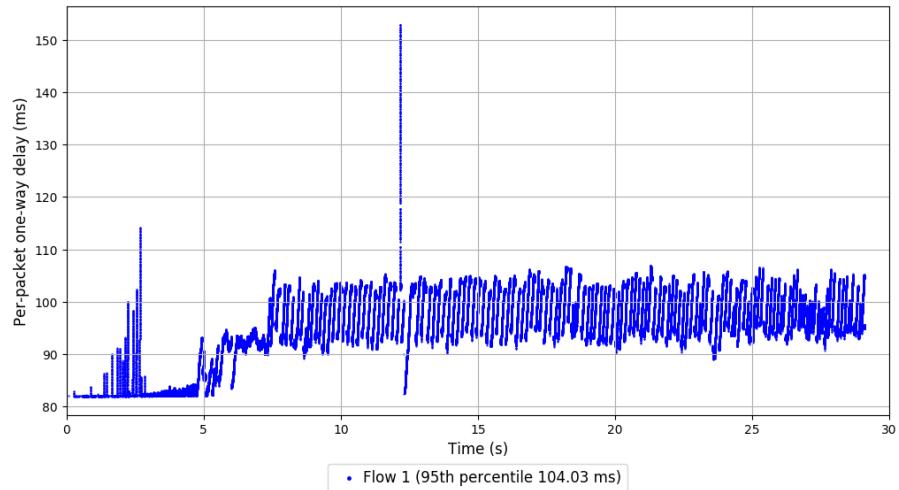
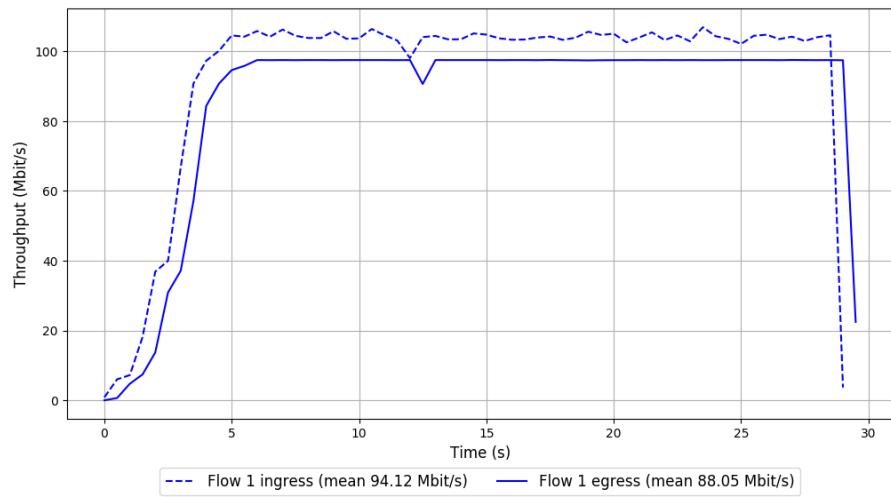


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 07:05:42
End at: 2019-01-17 07:06:12
Local clock offset: -2.865 ms
Remote clock offset: 25.015 ms

# Below is generated by plot.py at 2019-01-17 08:38:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: 104.033 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: 104.033 ms
Loss rate: 6.41%
```

Run 2: Report of Indigo-MusesT — Data Link

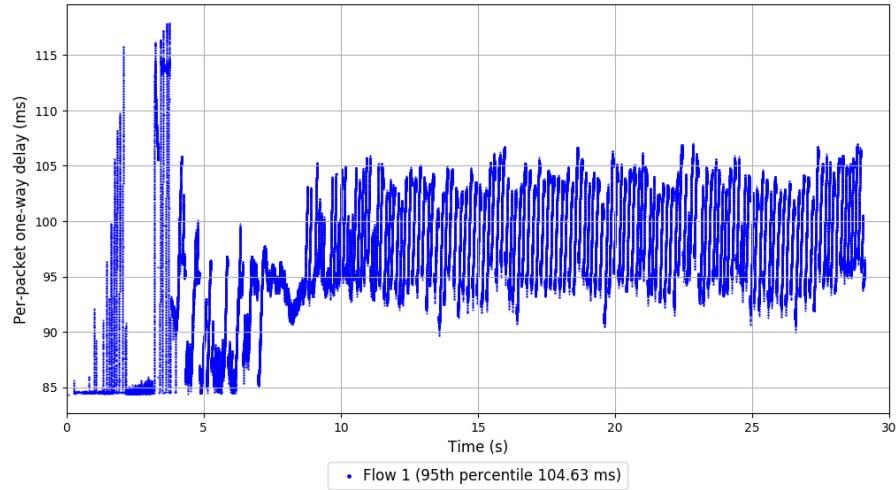
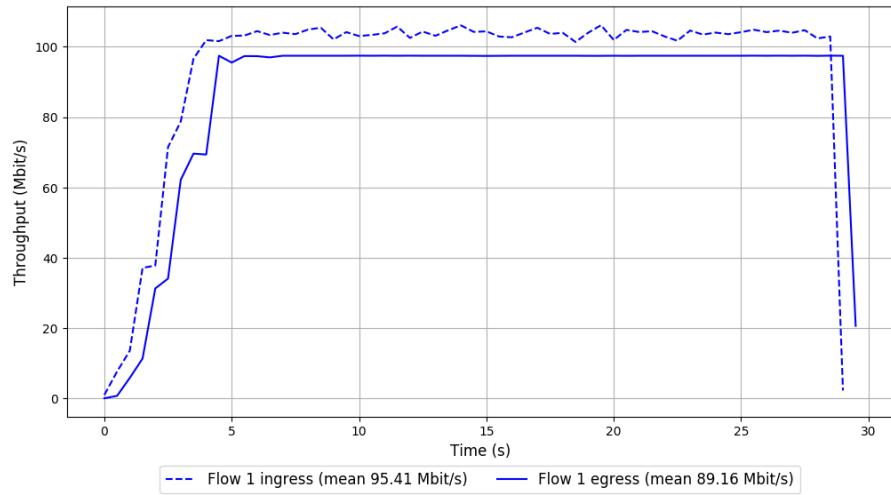


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 07:30:14
End at: 2019-01-17 07:30:44
Local clock offset: -4.722 ms
Remote clock offset: -2.491 ms

# Below is generated by plot.py at 2019-01-17 08:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.16 Mbit/s
95th percentile per-packet one-way delay: 104.631 ms
Loss rate: 6.51%
-- Flow 1:
Average throughput: 89.16 Mbit/s
95th percentile per-packet one-way delay: 104.631 ms
Loss rate: 6.51%
```

Run 3: Report of Indigo-MusesT — Data Link

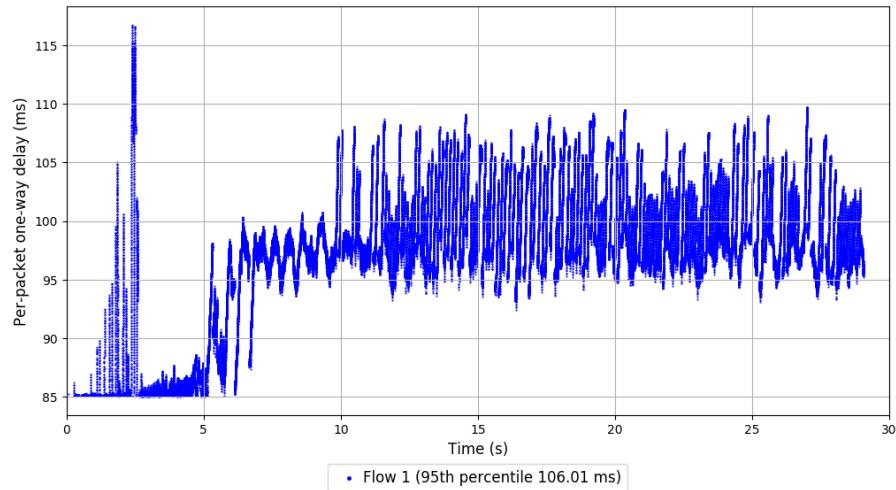
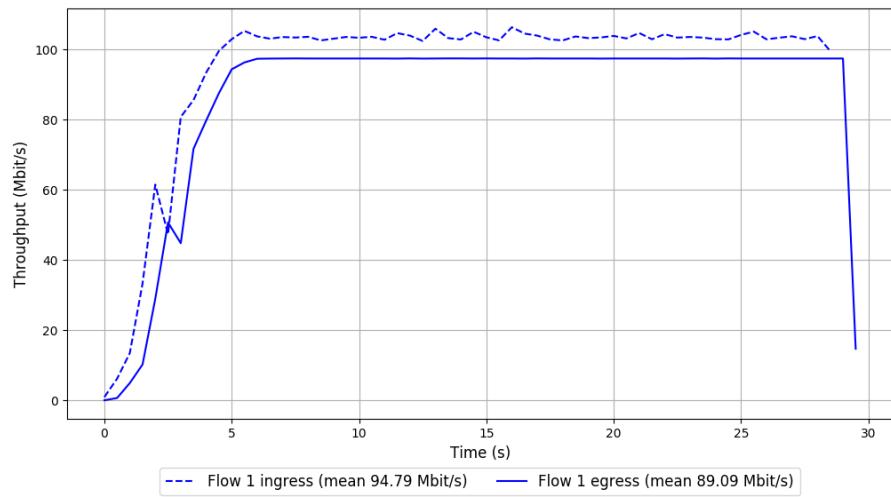


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 07:54:39
End at: 2019-01-17 07:55:09
Local clock offset: -4.965 ms
Remote clock offset: 0.182 ms

# Below is generated by plot.py at 2019-01-17 08:38:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 106.012 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 106.012 ms
Loss rate: 5.98%
```

Run 4: Report of Indigo-MusesT — Data Link

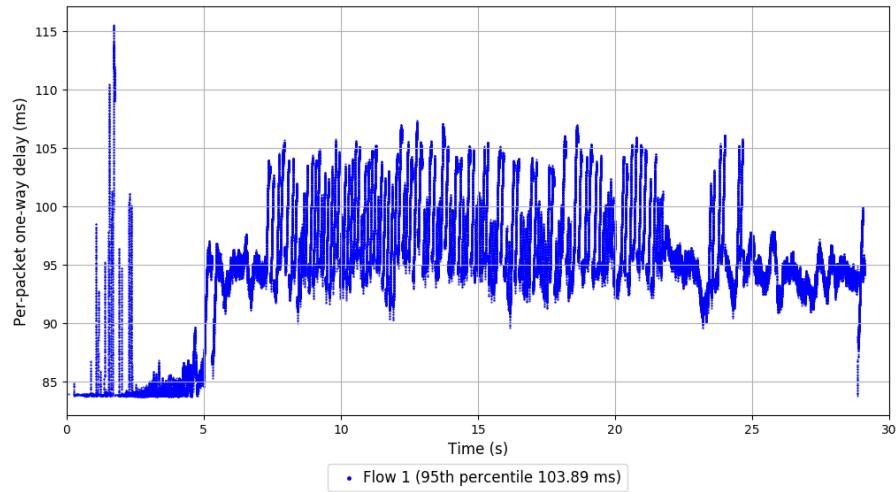
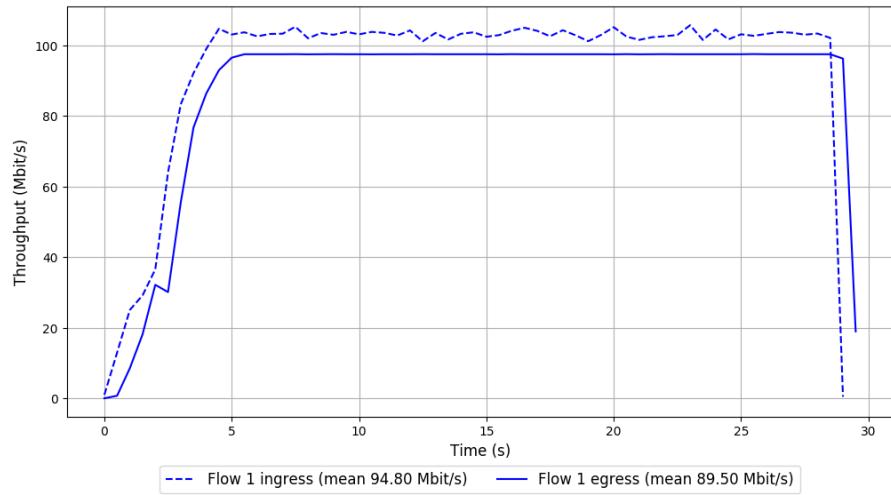


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 08:19:00
End at: 2019-01-17 08:19:30
Local clock offset: -4.503 ms
Remote clock offset: 3.929 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 103.890 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 103.890 ms
Loss rate: 5.55%
```

Run 5: Report of Indigo-MusesT — Data Link

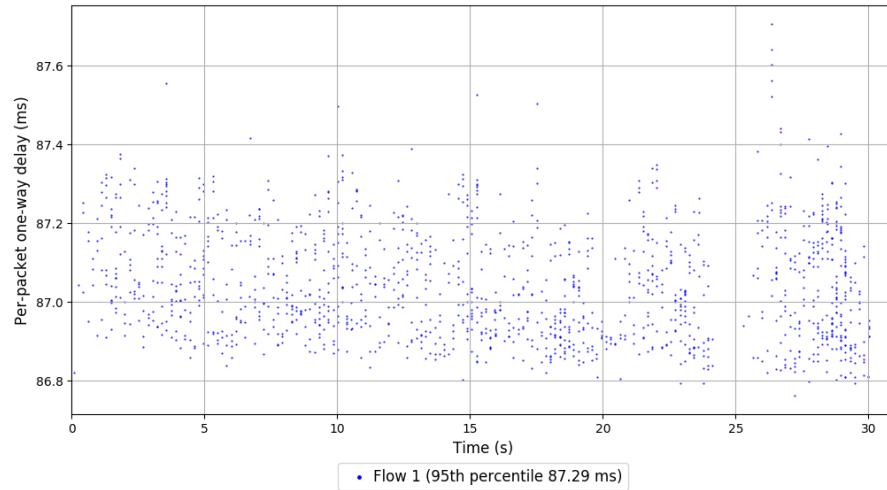
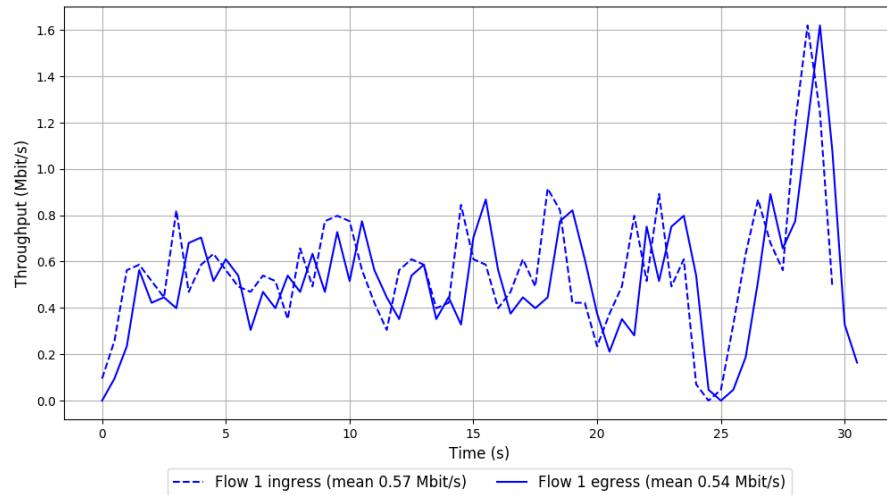


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-17 06:33:12
End at: 2019-01-17 06:33:42
Local clock offset: -0.516 ms
Remote clock offset: 41.471 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 87.292 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 87.292 ms
Loss rate: 5.31%
```

Run 1: Report of LEDBAT — Data Link

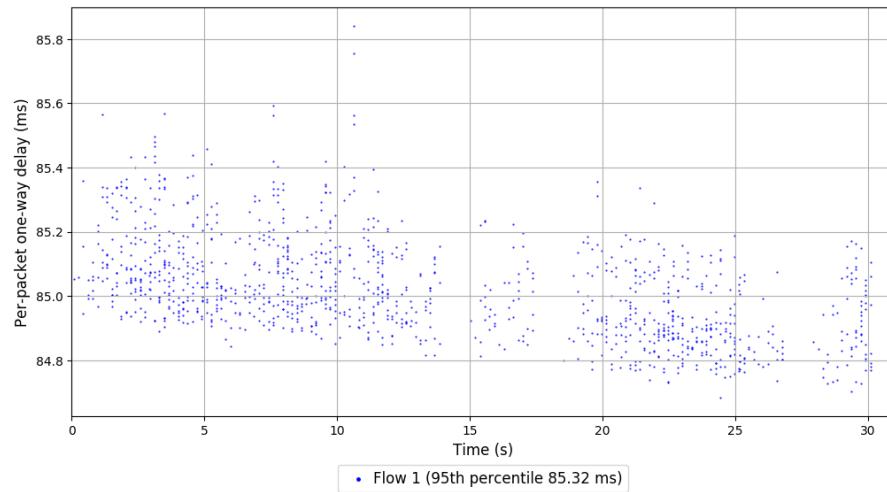
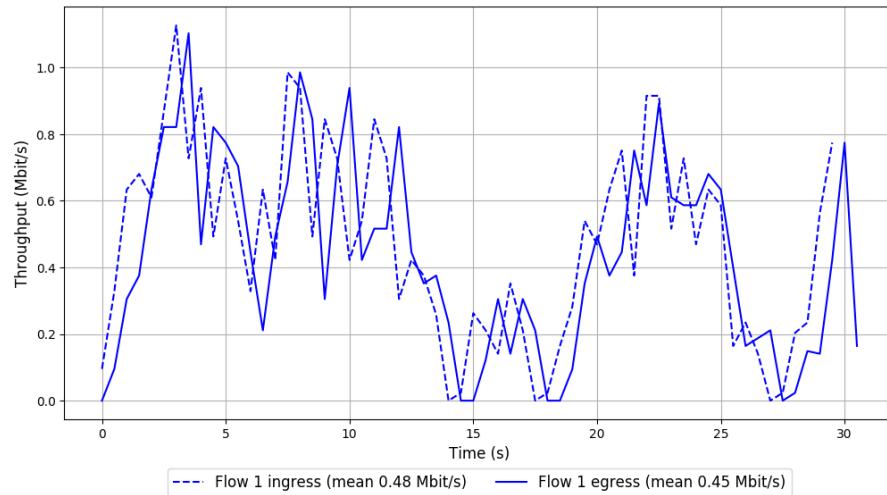


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-17 06:57:36
End at: 2019-01-17 06:58:06
Local clock offset: -2.14 ms
Remote clock offset: 48.553 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 85.323 ms
Loss rate: 5.53%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 85.323 ms
Loss rate: 5.53%
```

Run 2: Report of LEDBAT — Data Link

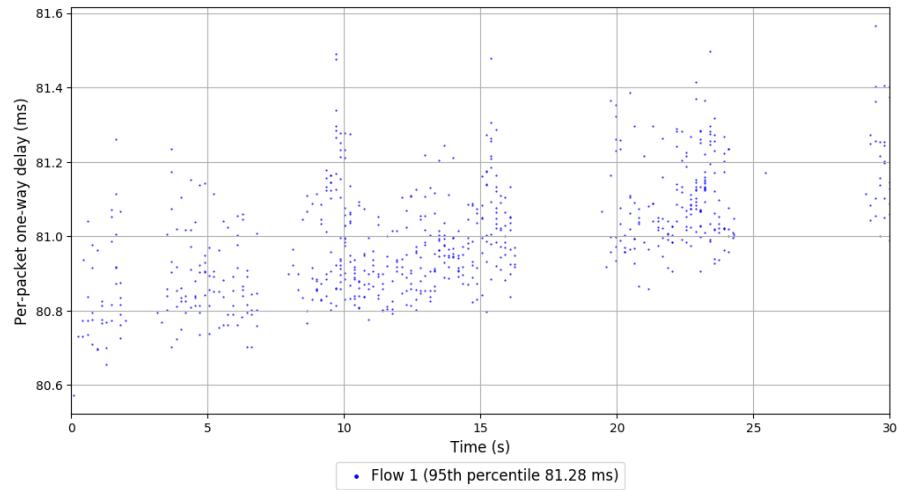
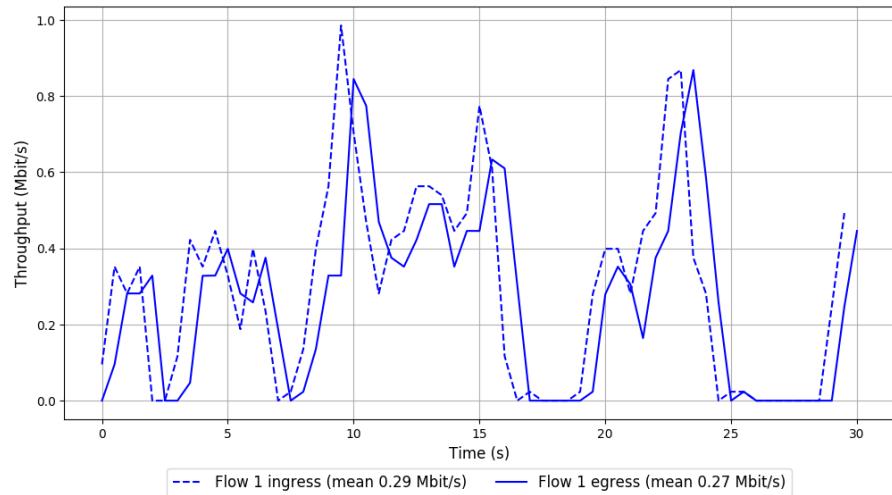


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-17 07:22:06
End at: 2019-01-17 07:22:36
Local clock offset: -3.649 ms
Remote clock offset: -2.036 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 81.275 ms
Loss rate: 8.26%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 81.275 ms
Loss rate: 8.26%
```

Run 3: Report of LEDBAT — Data Link

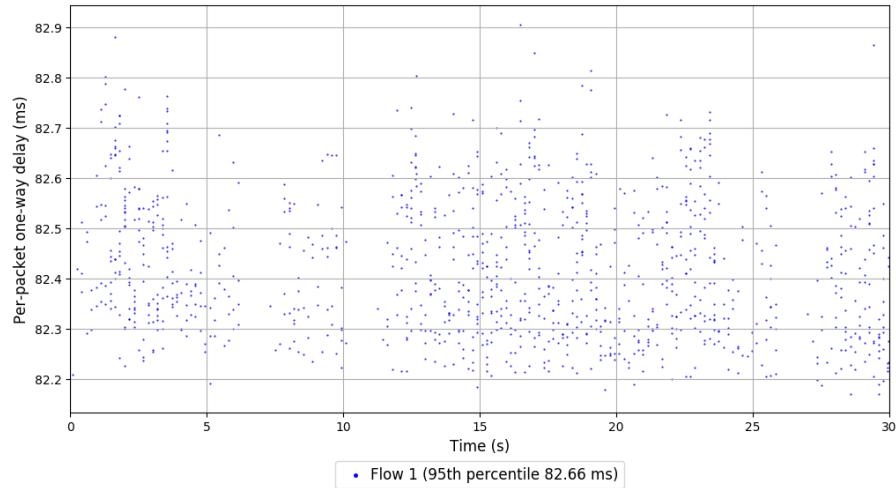
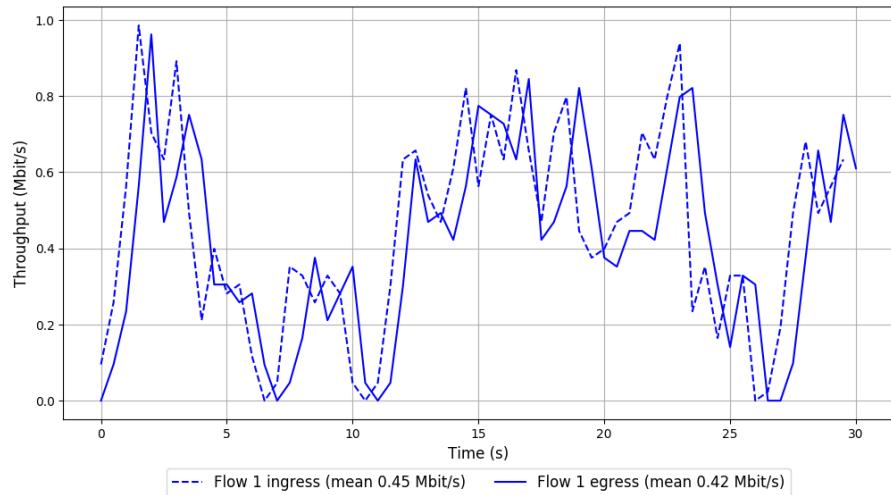


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-17 07:46:37
End at: 2019-01-17 07:47:07
Local clock offset: -5.093 ms
Remote clock offset: -2.685 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 82.663 ms
Loss rate: 5.51%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 82.663 ms
Loss rate: 5.51%
```

Run 4: Report of LEDBAT — Data Link

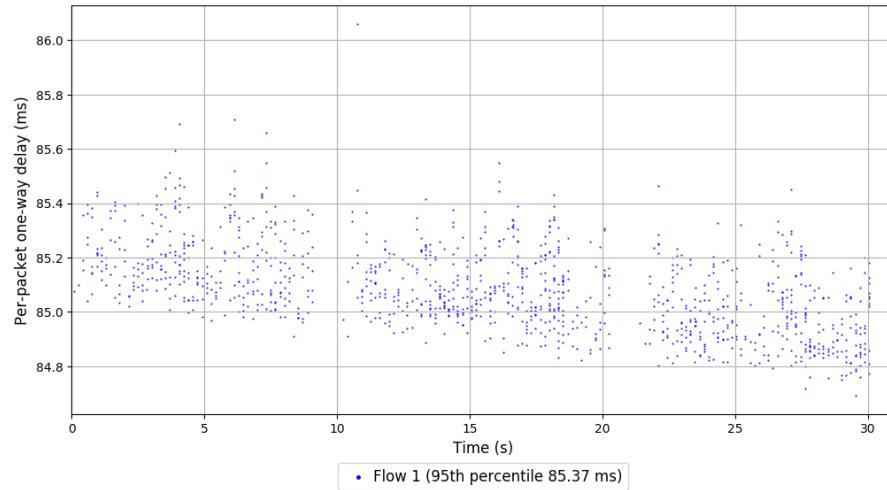
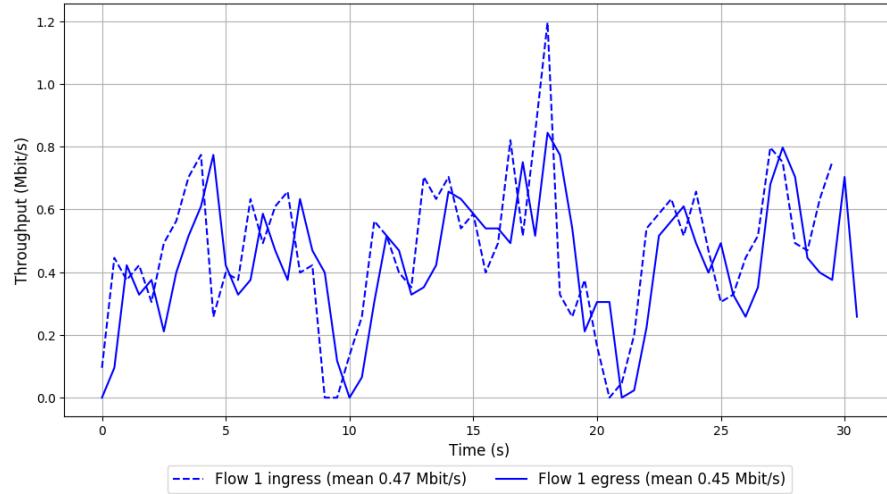


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-17 08:10:56
End at: 2019-01-17 08:11:26
Local clock offset: -5.024 ms
Remote clock offset: 1.07 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 85.371 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 85.371 ms
Loss rate: 5.88%
```

Run 5: Report of LEDBAT — Data Link

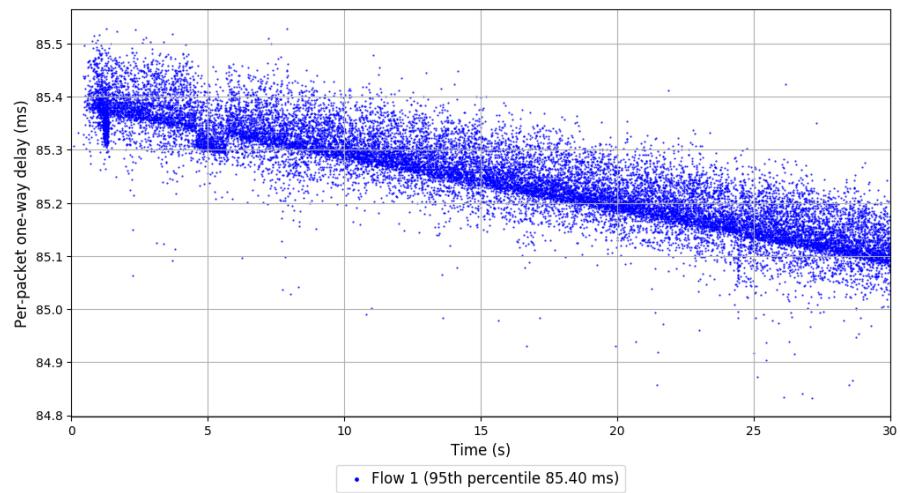
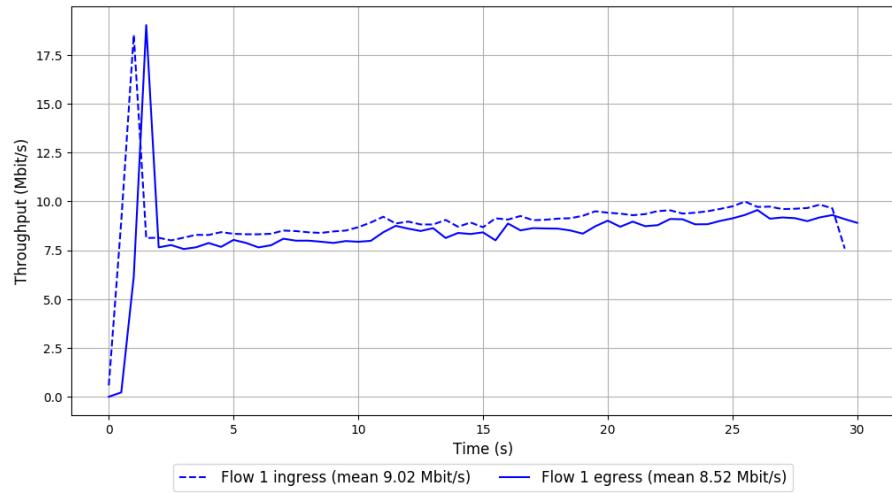


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-17 06:51:46
End at: 2019-01-17 06:52:16
Local clock offset: -1.625 ms
Remote clock offset: 45.318 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 85.399 ms
Loss rate: 5.53%
-- Flow 1:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 85.399 ms
Loss rate: 5.53%
```

Run 1: Report of PCC-Allegro — Data Link

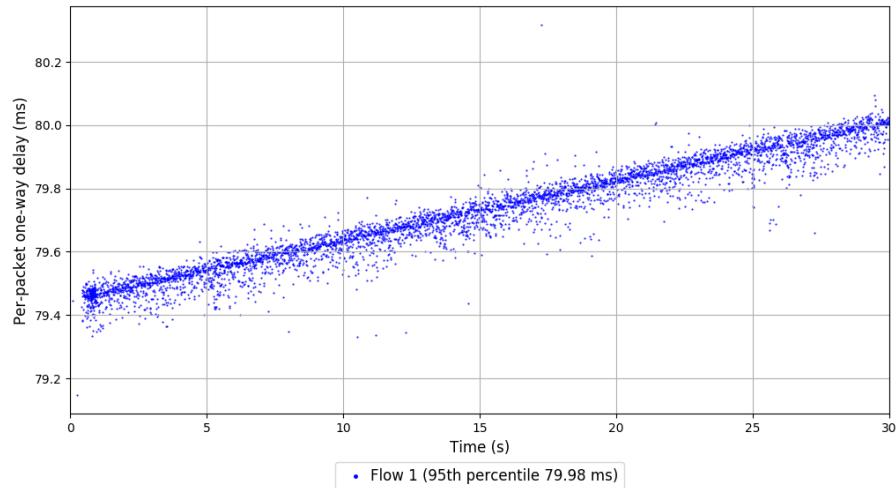
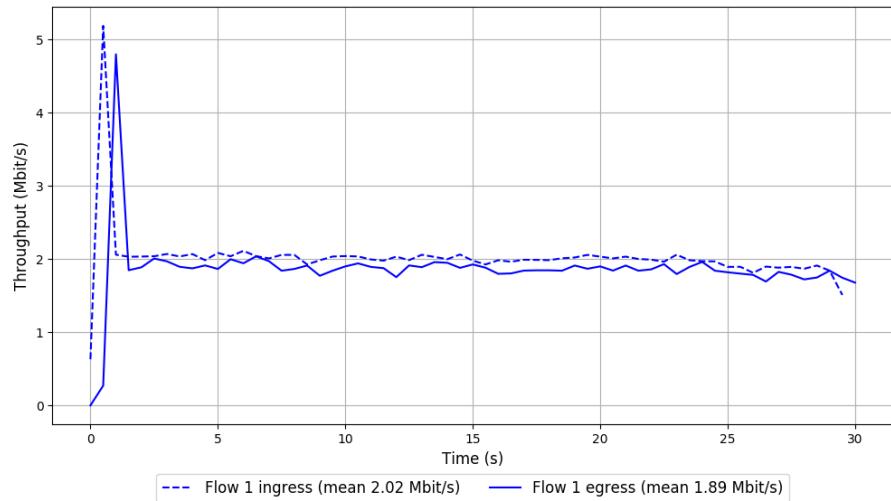


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-17 07:16:18
End at: 2019-01-17 07:16:48
Local clock offset: -3.239 ms
Remote clock offset: 3.616 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 79.976 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 79.976 ms
Loss rate: 6.43%
```

Run 2: Report of PCC-Allegro — Data Link

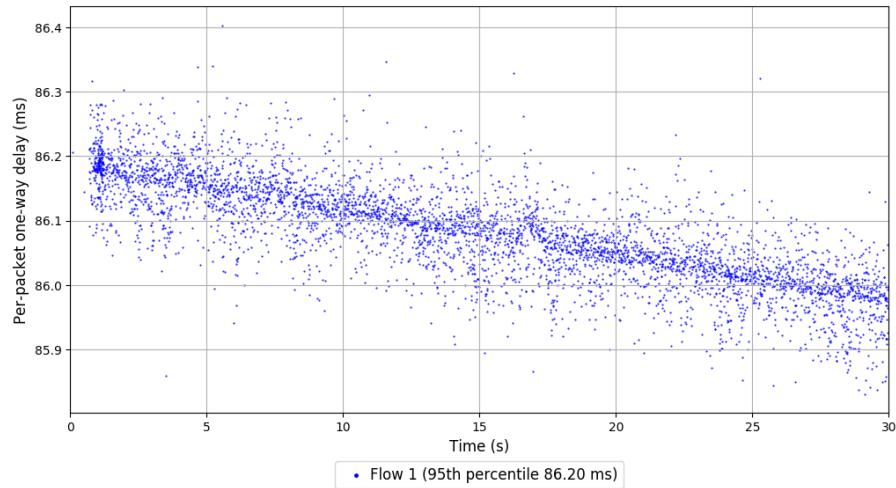
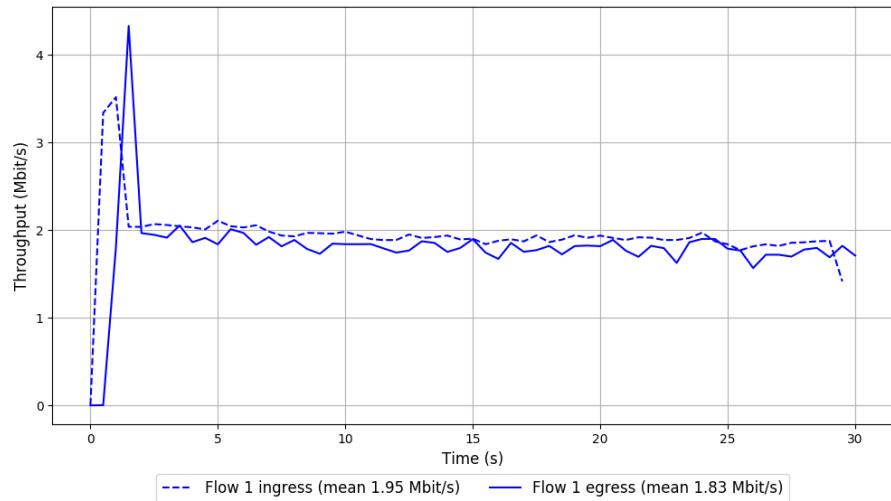


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-17 07:40:47
End at: 2019-01-17 07:41:18
Local clock offset: -4.988 ms
Remote clock offset: -0.643 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 86.204 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 86.204 ms
Loss rate: 5.86%
```

Run 3: Report of PCC-Allegro — Data Link

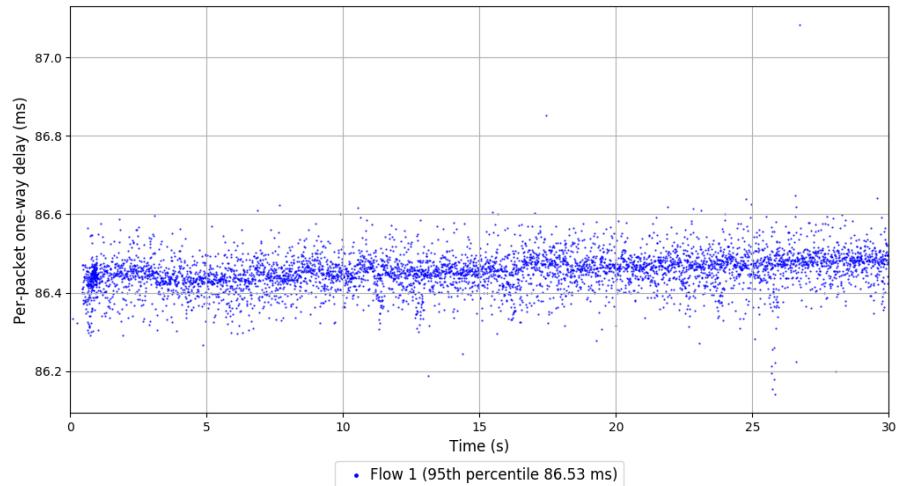
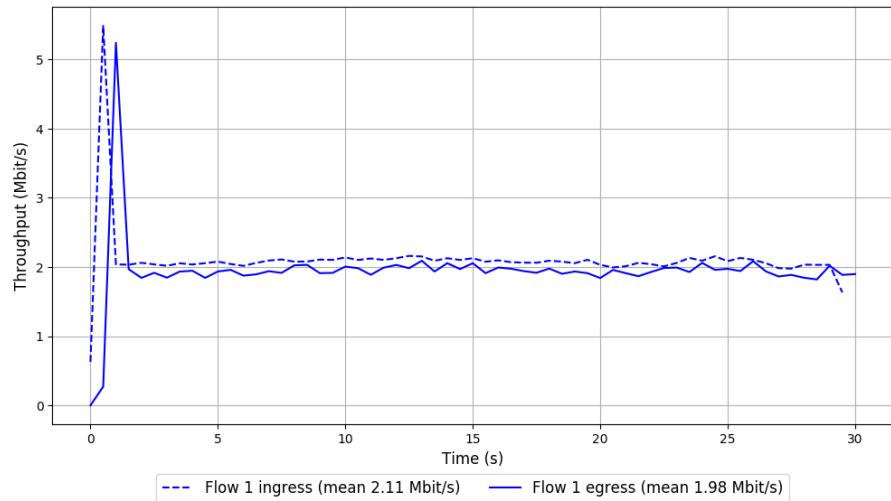


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-17 08:05:08
End at: 2019-01-17 08:05:38
Local clock offset: -4.981 ms
Remote clock offset: 0.458 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.528 ms
Loss rate: 6.10%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.528 ms
Loss rate: 6.10%
```

Run 4: Report of PCC-Allegro — Data Link

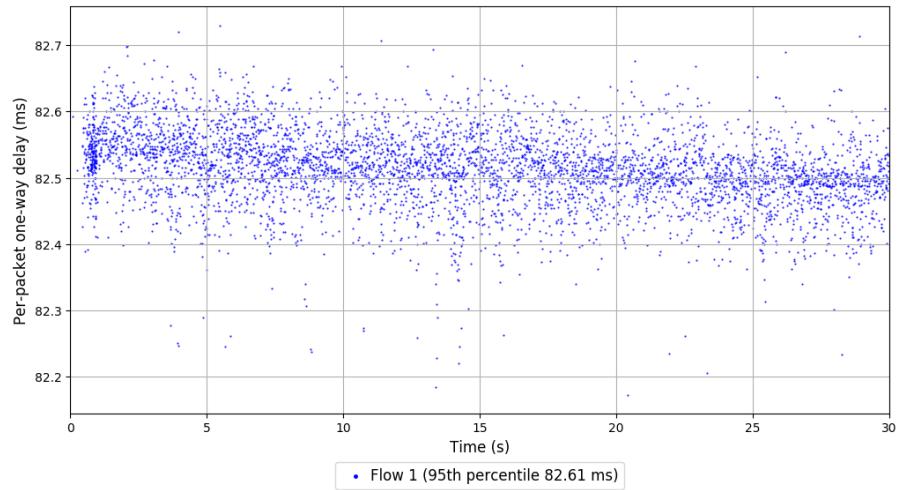
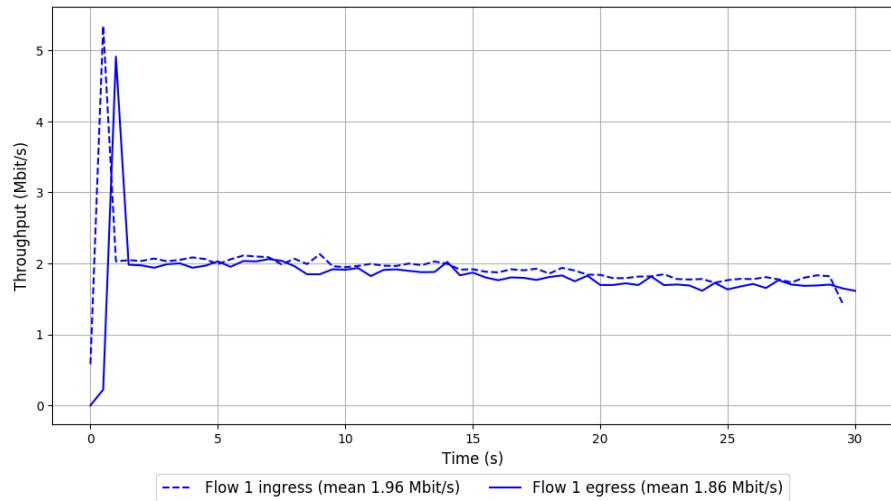


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-17 08:29:28
End at: 2019-01-17 08:29:58
Local clock offset: -6.263 ms
Remote clock offset: 1.089 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 82.605 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 82.605 ms
Loss rate: 4.98%
```

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

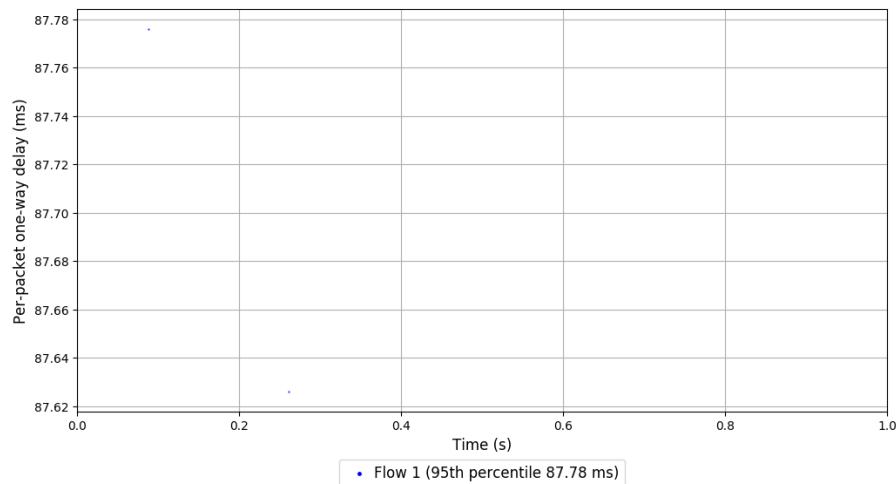
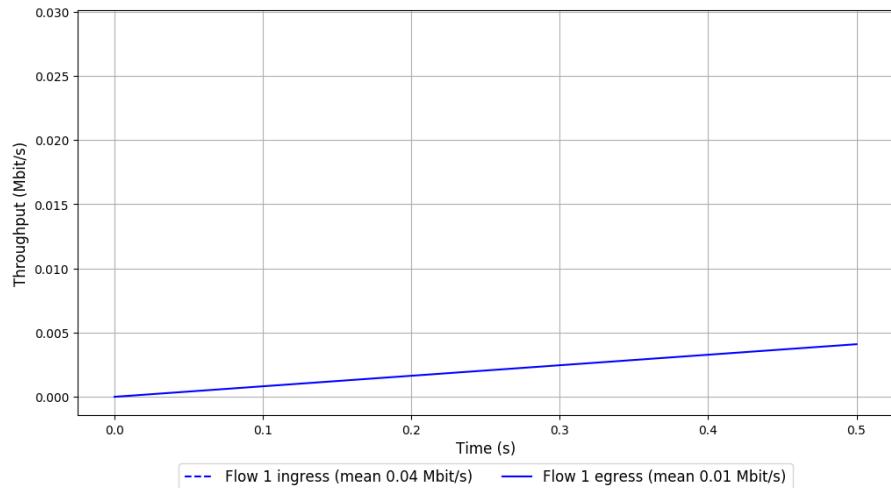
Start at: 2019-01-17 06:48:22

End at: 2019-01-17 06:48:52

Local clock offset: -0.448 ms

Remote clock offset: 46.681 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

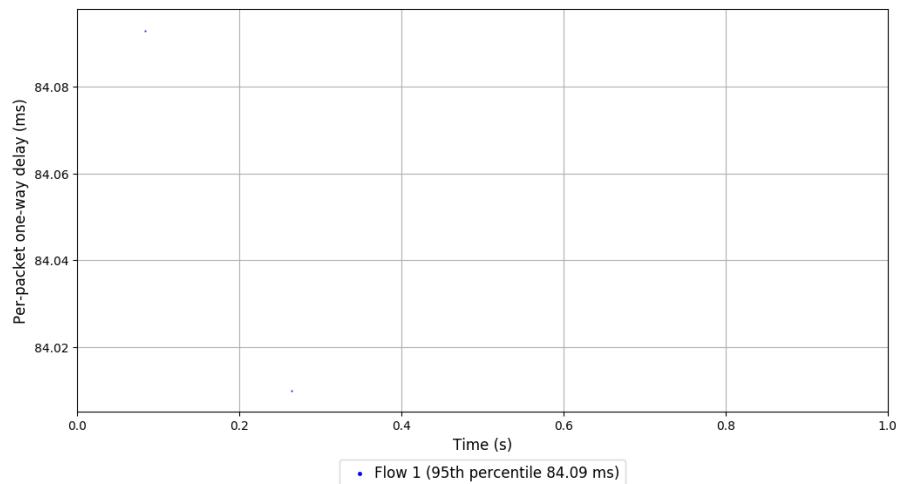
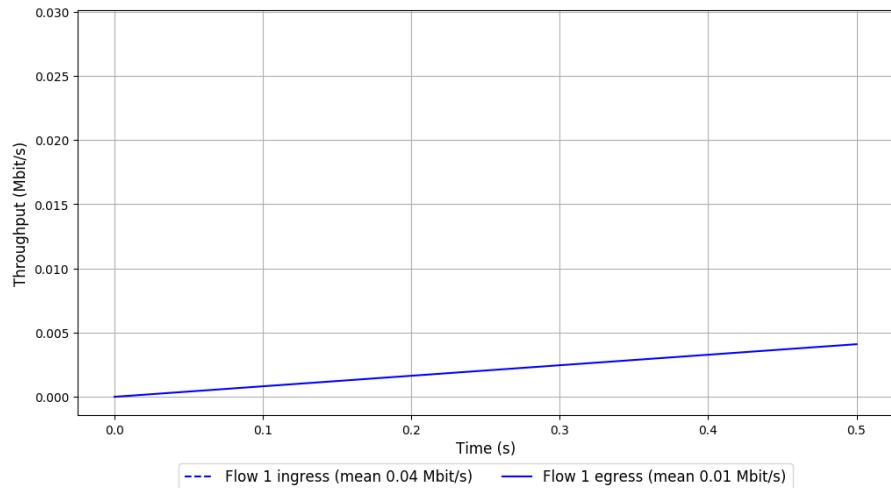
Start at: 2019-01-17 07:12:54

End at: 2019-01-17 07:13:24

Local clock offset: -3.976 ms

Remote clock offset: 9.24 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

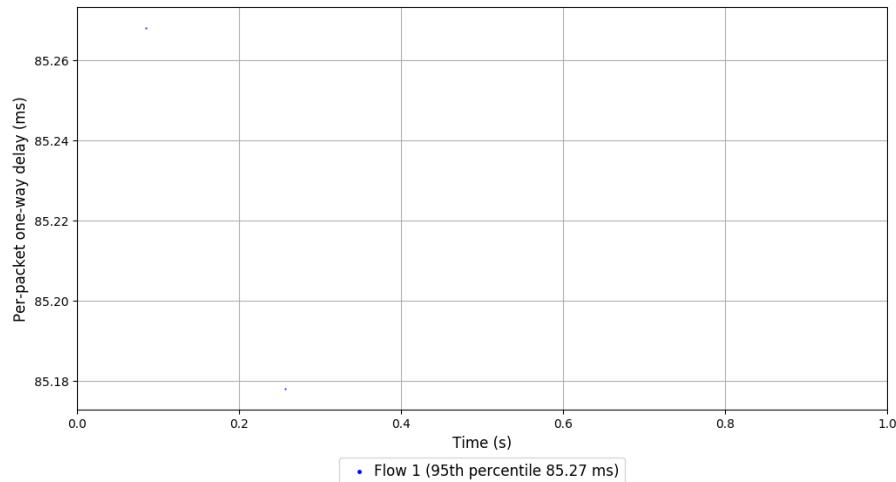
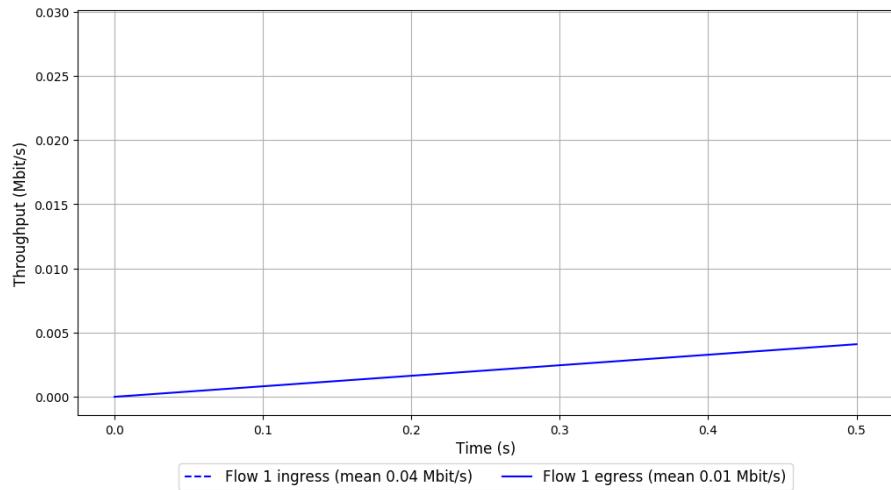
Start at: 2019-01-17 07:37:18

End at: 2019-01-17 07:37:48

Local clock offset: -4.136 ms

Remote clock offset: -1.16 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

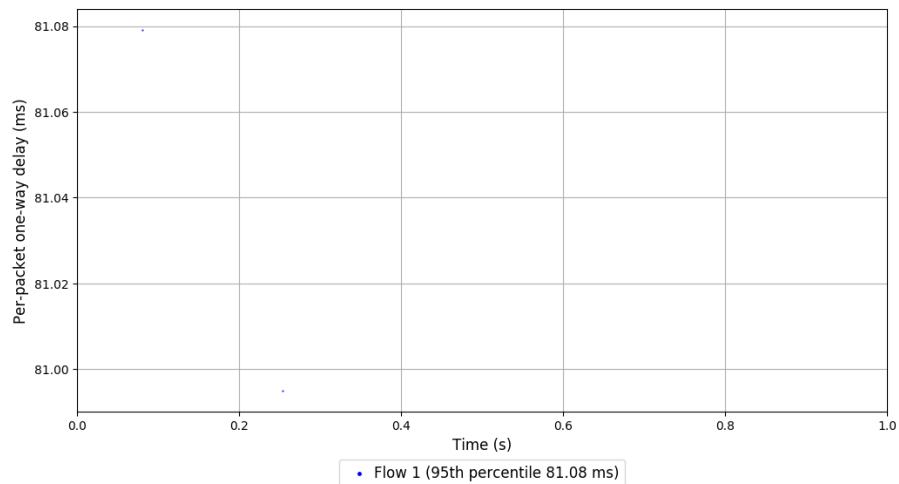
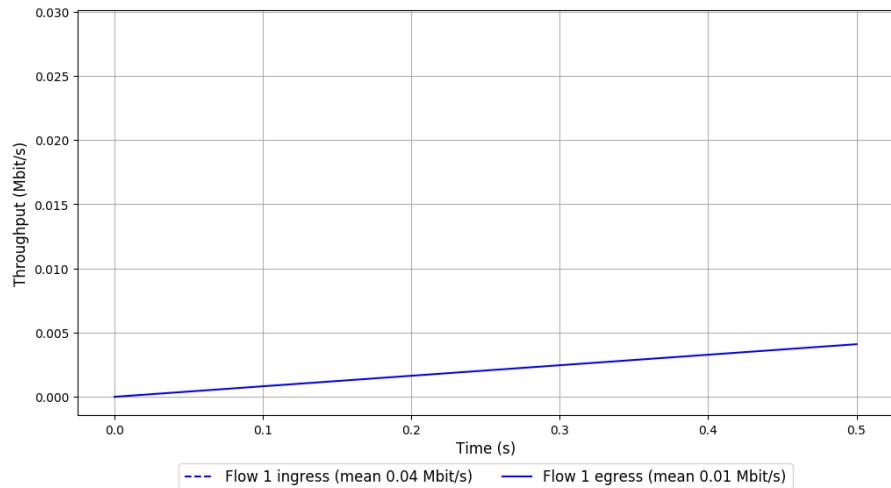
Start at: 2019-01-17 08:01:44

End at: 2019-01-17 08:02:14

Local clock offset: -4.192 ms

Remote clock offset: -3.1 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

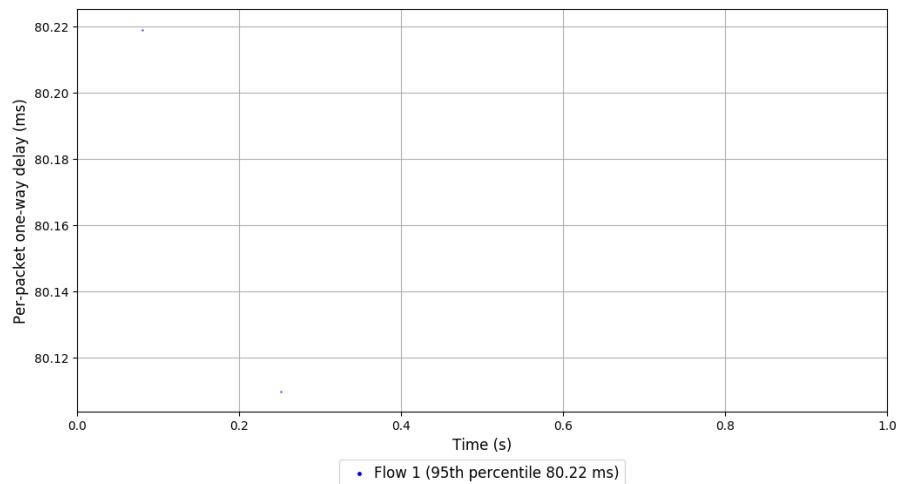
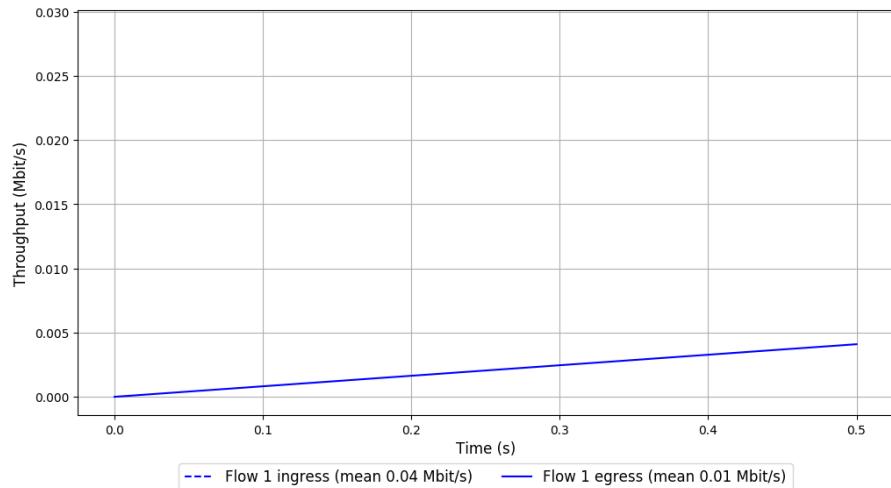
Start at: 2019-01-17 08:26:04

End at: 2019-01-17 08:26:34

Local clock offset: -5.208 ms

Remote clock offset: 0.943 ms

Run 5: Report of PCC-Expr — Data Link

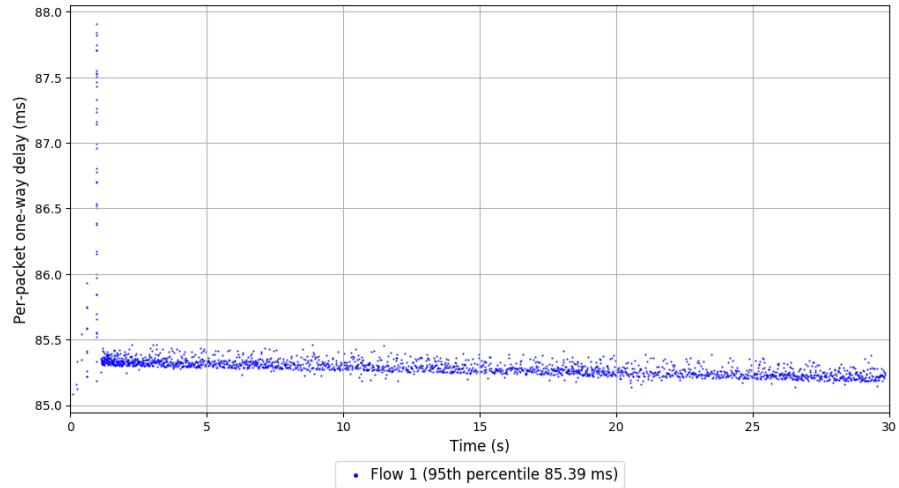
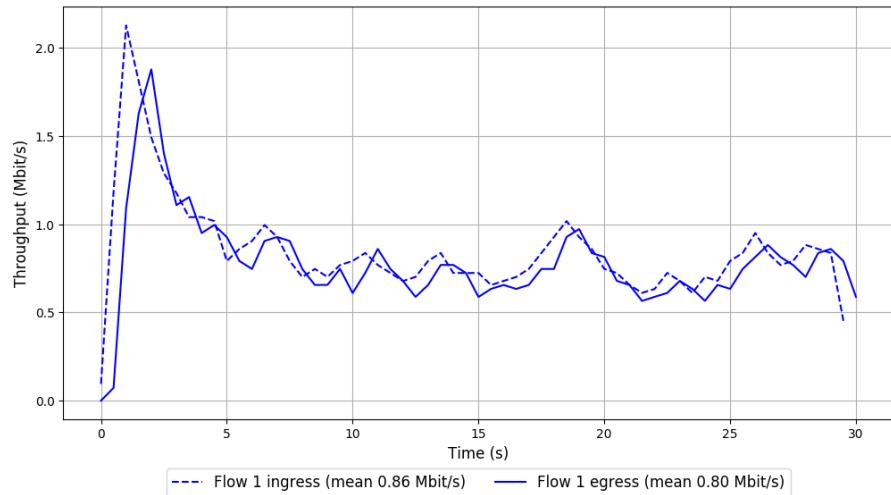


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-01-17 06:44:54
End at: 2019-01-17 06:45:24
Local clock offset: -0.268 ms
Remote clock offset: 43.043 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 85.393 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 85.393 ms
Loss rate: 6.27%
```

Run 1: Report of QUIC Cubic — Data Link

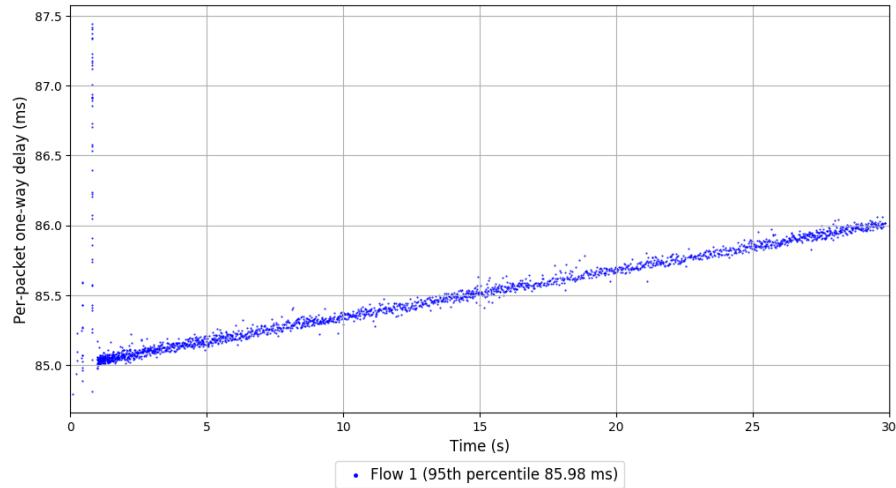
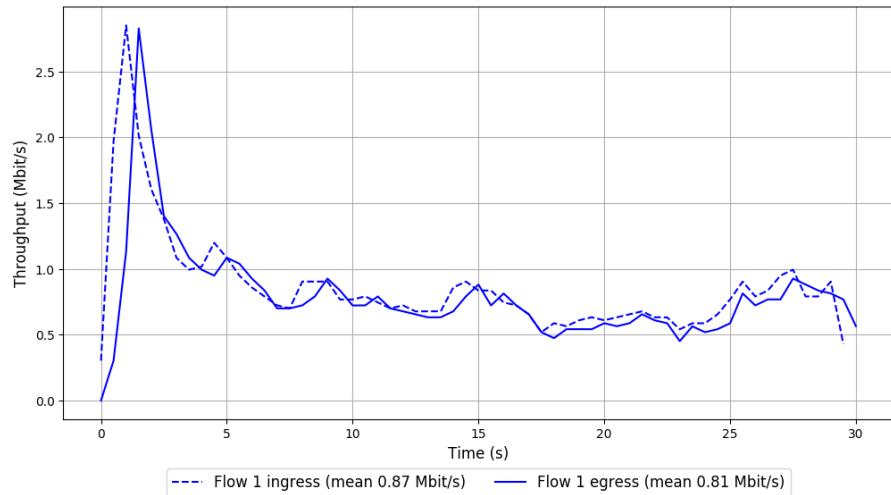


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-17 07:09:27
End at: 2019-01-17 07:09:57
Local clock offset: -3.8 ms
Remote clock offset: 18.25 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 85.981 ms
Loss rate: 6.74%
-- Flow 1:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 85.981 ms
Loss rate: 6.74%
```

Run 2: Report of QUIC Cubic — Data Link

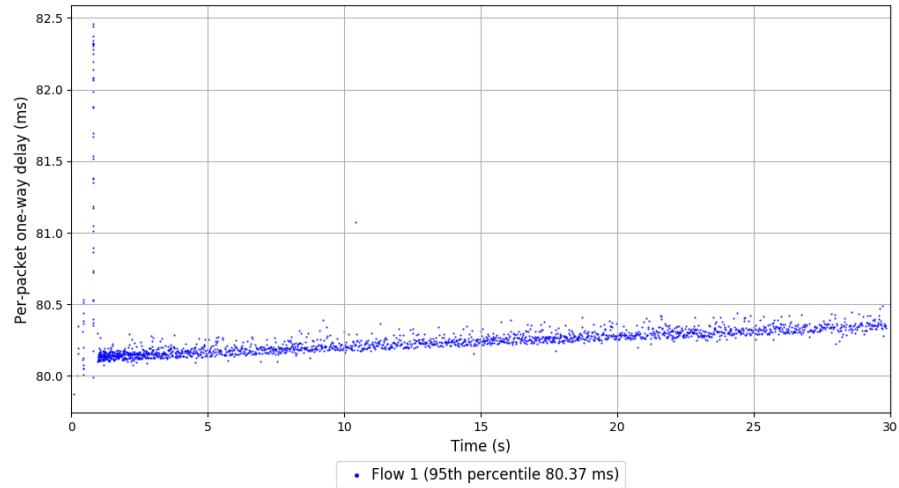
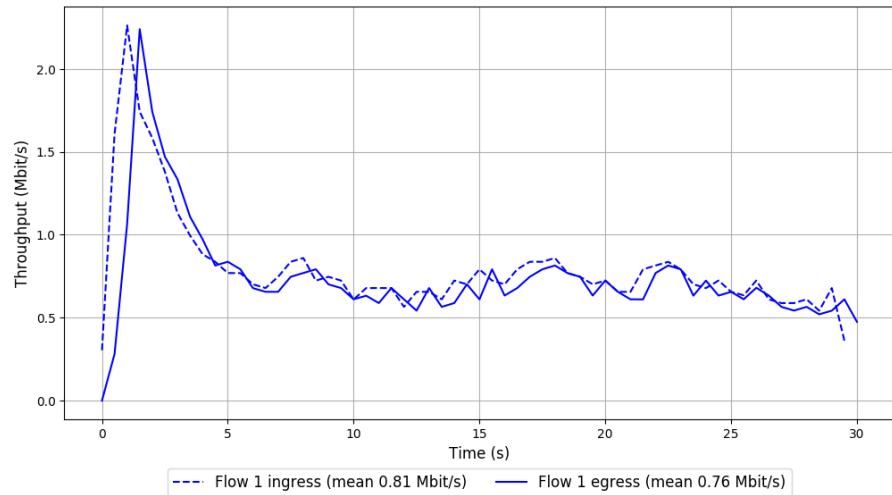


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-17 07:33:51
End at: 2019-01-17 07:34:21
Local clock offset: -4.066 ms
Remote clock offset: -8.152 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 80.366 ms
Loss rate: 5.94%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 80.366 ms
Loss rate: 5.94%
```

Run 3: Report of QUIC Cubic — Data Link

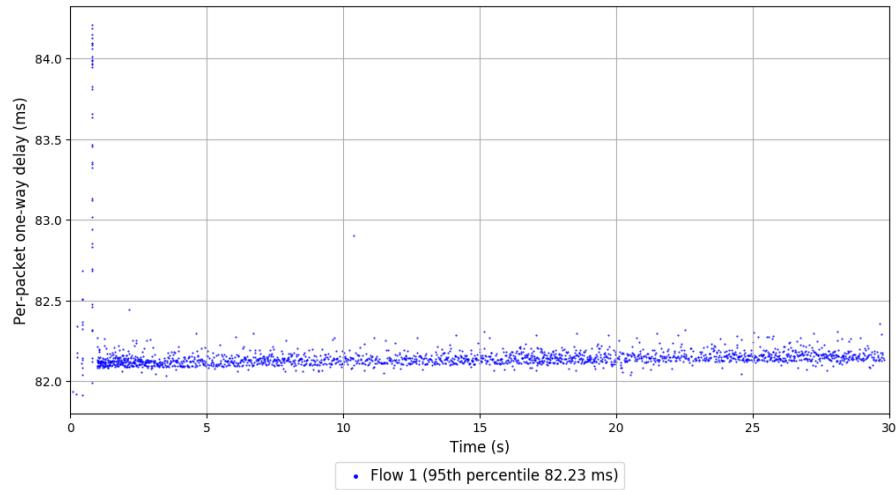
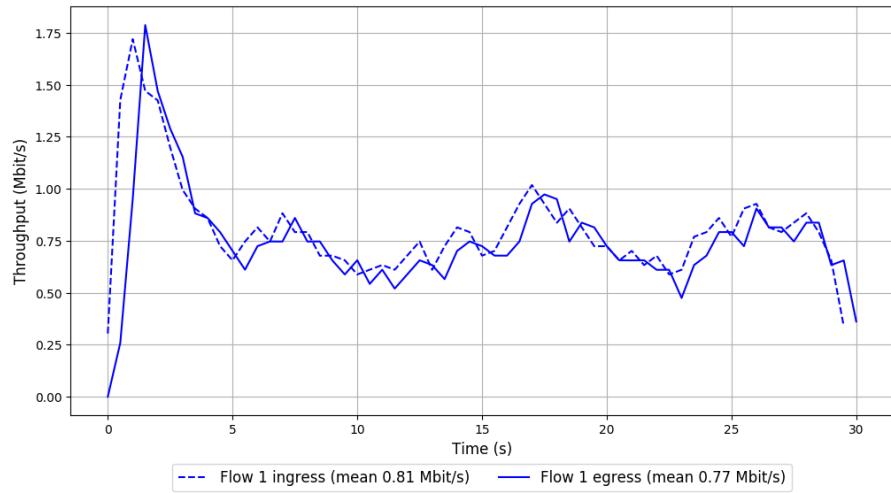


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-17 07:58:14
End at: 2019-01-17 07:58:44
Local clock offset: -4.18 ms
Remote clock offset: -2.667 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 82.234 ms
Loss rate: 5.94%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 82.234 ms
Loss rate: 5.94%
```

Run 4: Report of QUIC Cubic — Data Link

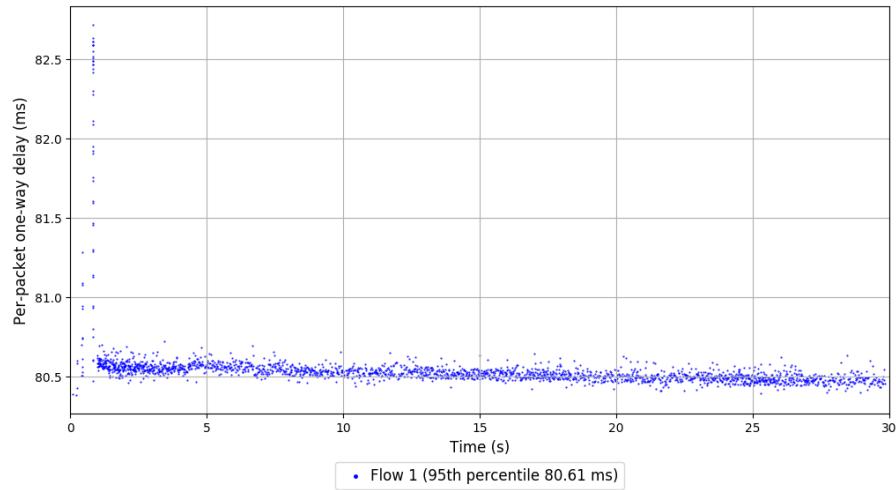
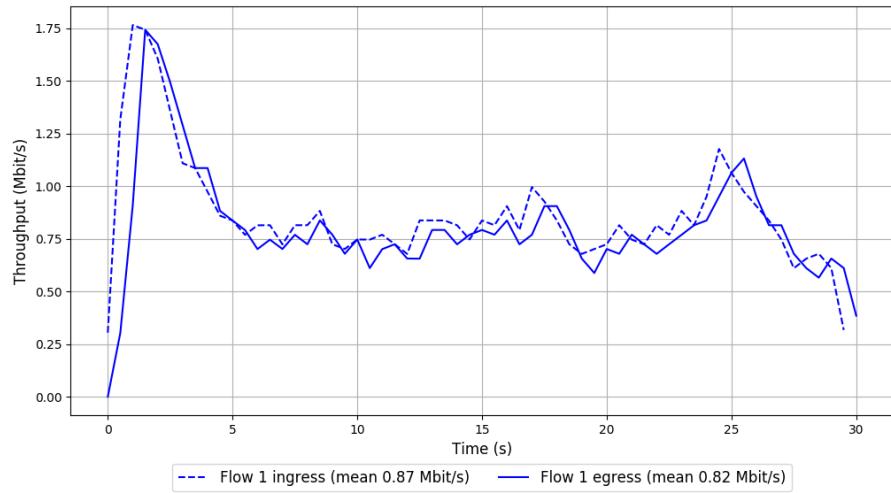


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-17 08:22:37
End at: 2019-01-17 08:23:07
Local clock offset: -5.748 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 80.610 ms
Loss rate: 5.64%
-- Flow 1:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 80.610 ms
Loss rate: 5.64%
```

Run 5: Report of QUIC Cubic — Data Link

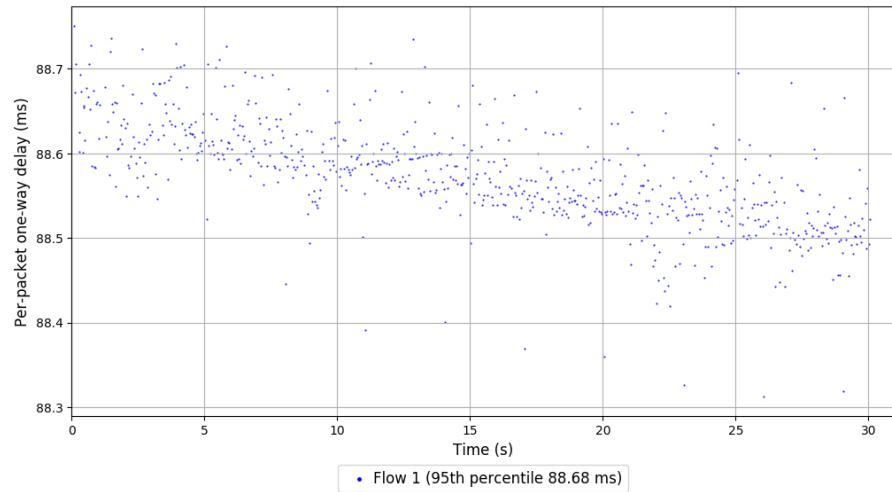
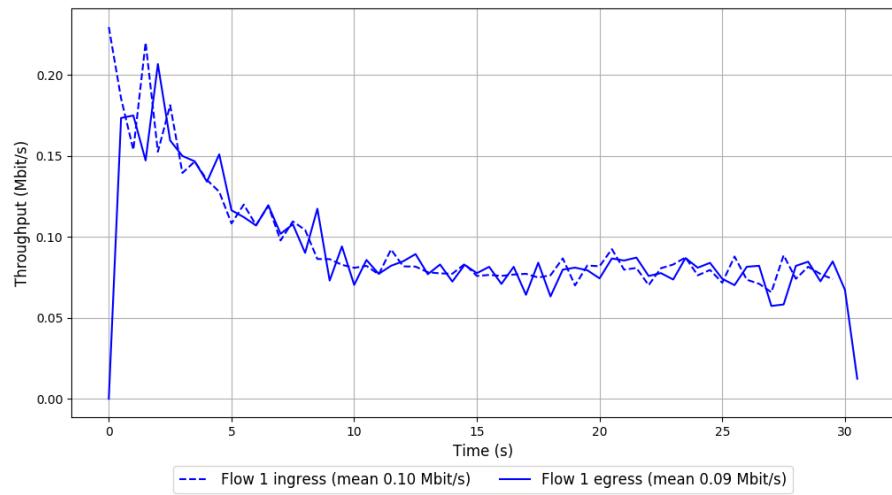


```
Run 1: Statistics of SCReAM

Start at: 2019-01-17 06:37:52
End at: 2019-01-17 06:38:22
Local clock offset: -0.811 ms
Remote clock offset: 43.026 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 88.678 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 88.678 ms
Loss rate: 2.79%
```

Run 1: Report of SCReAM — Data Link

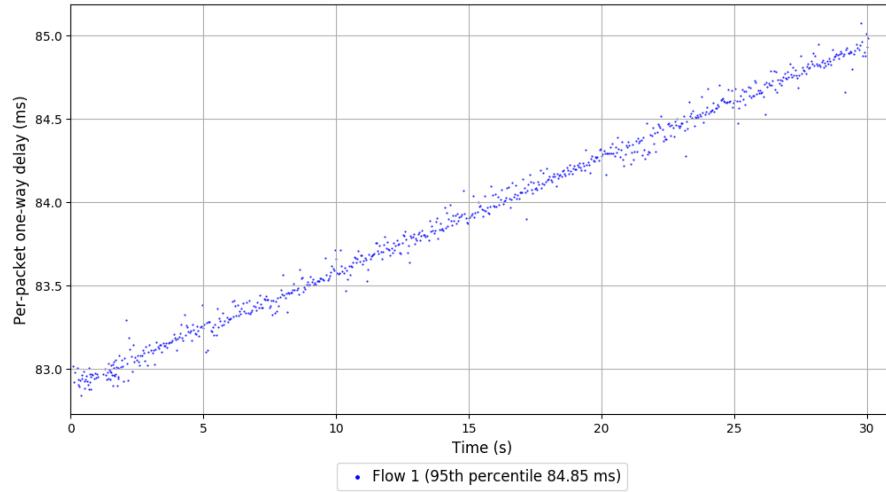
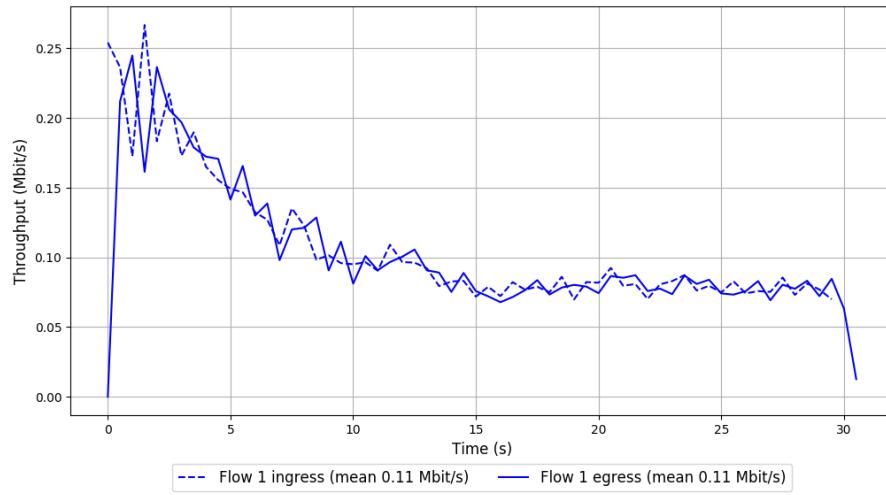


Run 2: Statistics of SCReAM

```
Start at: 2019-01-17 07:02:19
End at: 2019-01-17 07:02:49
Local clock offset: -3.357 ms
Remote clock offset: 36.496 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 84.853 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 84.853 ms
Loss rate: 2.20%
```

Run 2: Report of SCReAM — Data Link

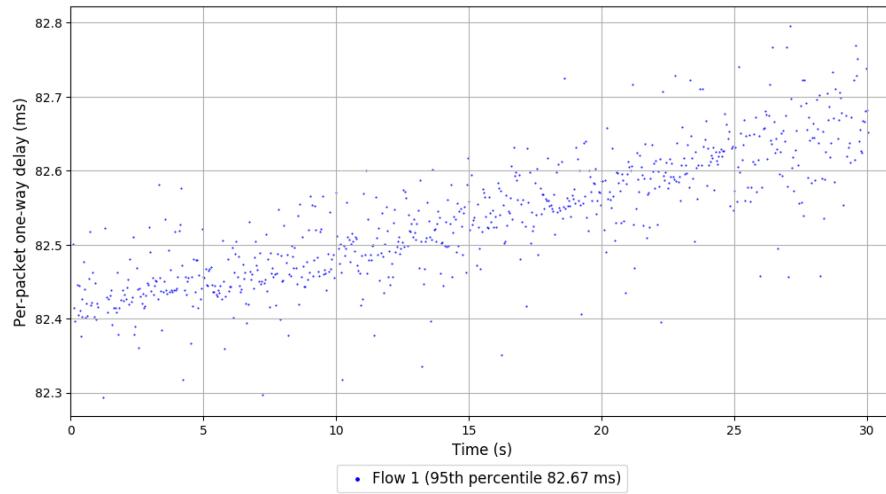
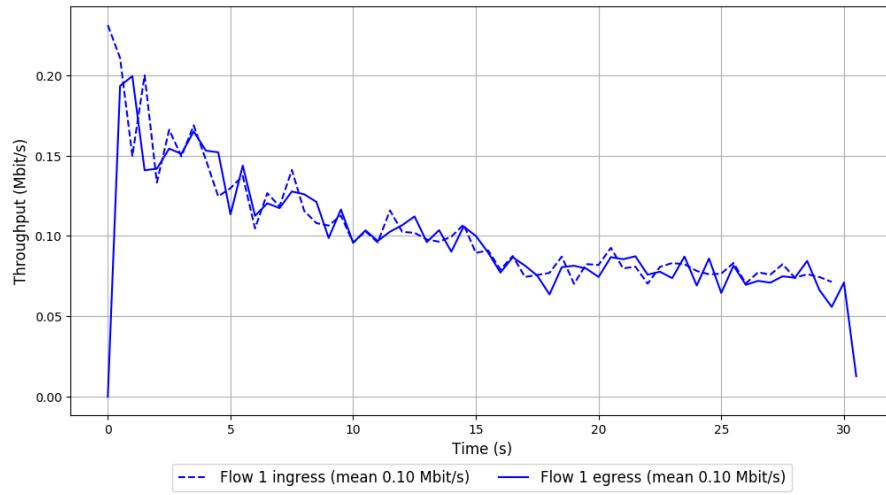


Run 3: Statistics of SCReAM

```
Start at: 2019-01-17 07:26:47
End at: 2019-01-17 07:27:17
Local clock offset: -4.671 ms
Remote clock offset: -4.425 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 82.675 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 82.675 ms
Loss rate: 3.19%
```

Run 3: Report of SCReAM — Data Link

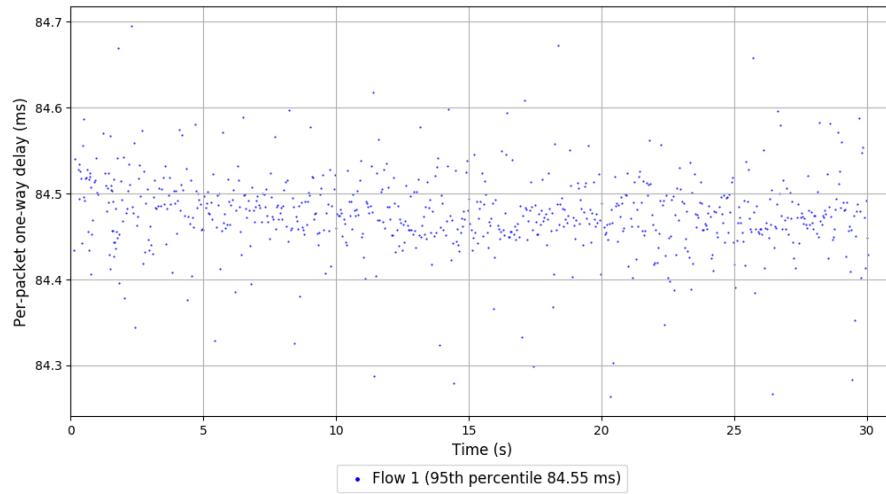
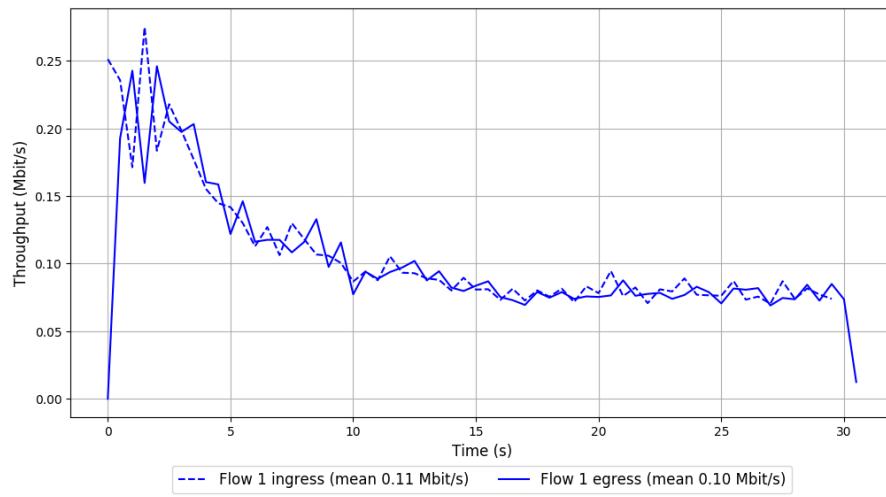


Run 4: Statistics of SCReAM

```
Start at: 2019-01-17 07:51:16
End at: 2019-01-17 07:51:46
Local clock offset: -5.081 ms
Remote clock offset: 0.185 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 84.550 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 84.550 ms
Loss rate: 2.96%
```

Run 4: Report of SCReAM — Data Link

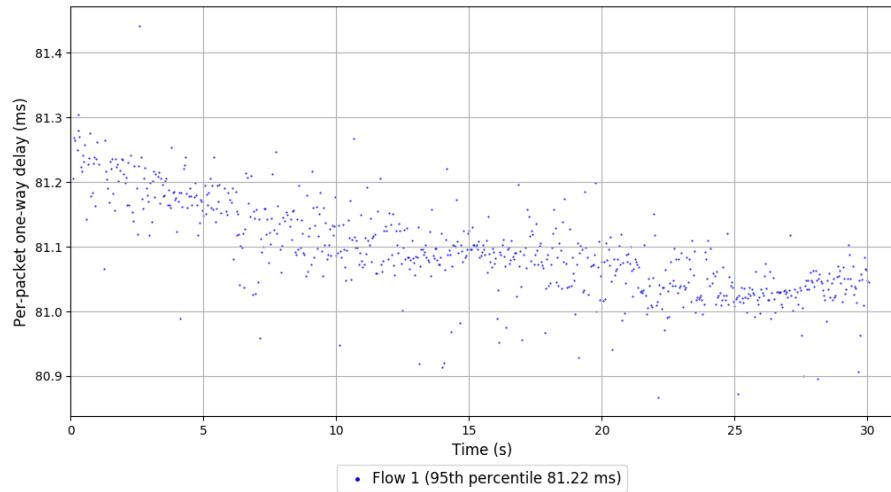
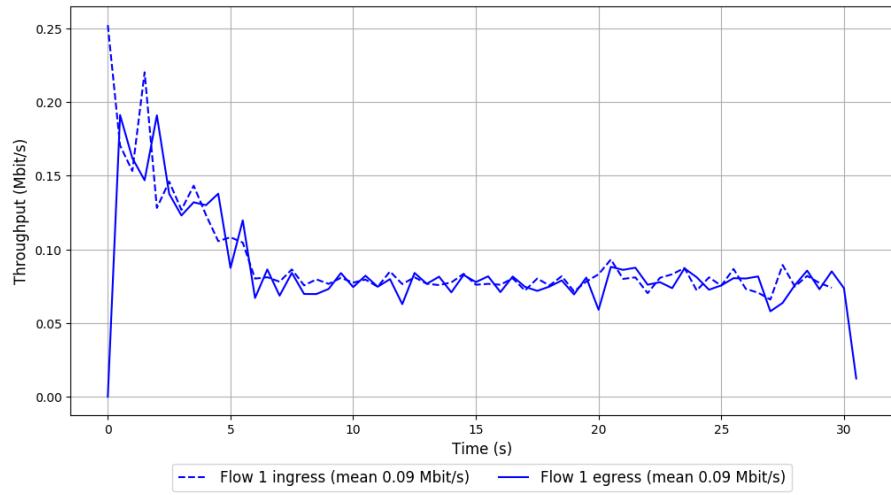


Run 5: Statistics of SCReAM

```
Start at: 2019-01-17 08:15:38
End at: 2019-01-17 08:16:08
Local clock offset: -5.062 ms
Remote clock offset: -1.889 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 81.223 ms
Loss rate: 4.14%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 81.223 ms
Loss rate: 4.14%
```

Run 5: Report of SCReAM — Data Link

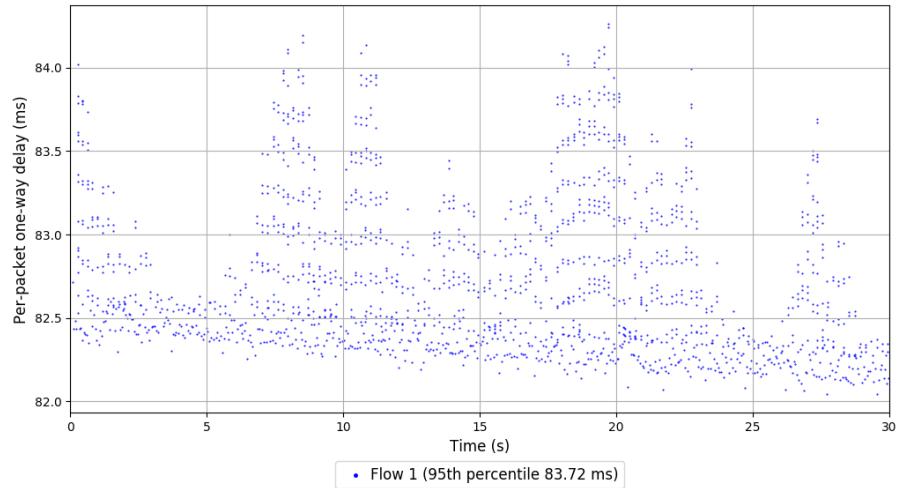
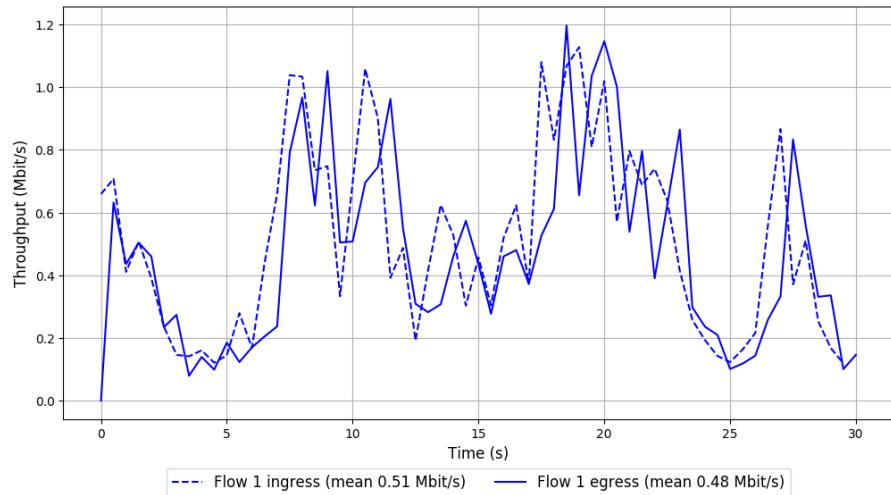


Run 1: Statistics of Sprout

```
Start at: 2019-01-17 06:50:38
End at: 2019-01-17 06:51:08
Local clock offset: -1.302 ms
Remote clock offset: 42.189 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 83.716 ms
Loss rate: 6.96%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 83.716 ms
Loss rate: 6.96%
```

Run 1: Report of Sprout — Data Link

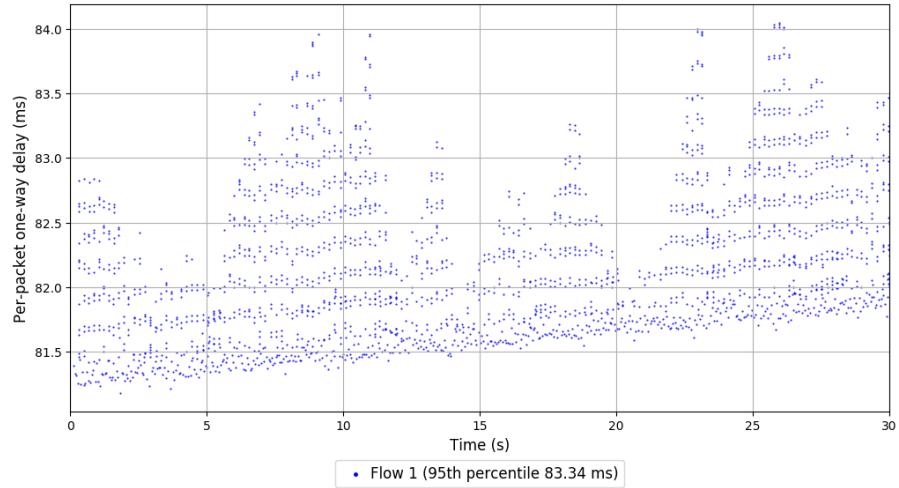
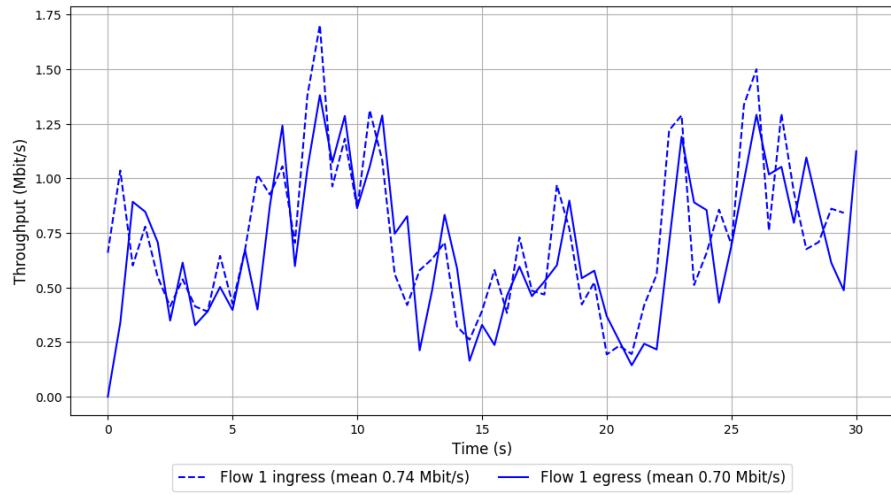


Run 2: Statistics of Sprout

```
Start at: 2019-01-17 07:15:10
End at: 2019-01-17 07:15:40
Local clock offset: -3.285 ms
Remote clock offset: 6.036 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 83.336 ms
Loss rate: 6.13%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 83.336 ms
Loss rate: 6.13%
```

Run 2: Report of Sprout — Data Link

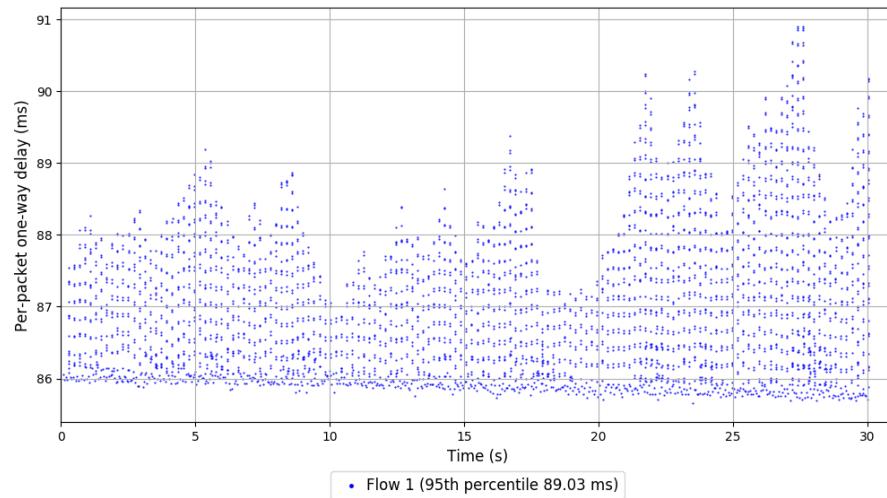
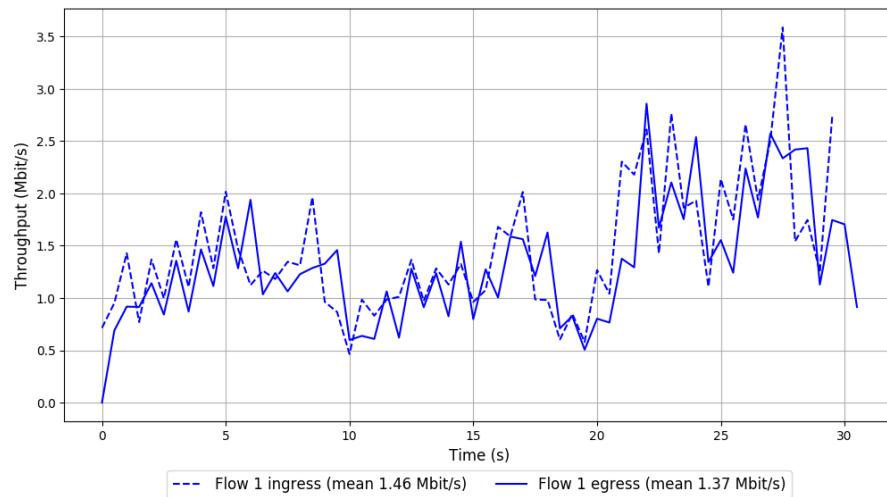


Run 3: Statistics of Sprout

```
Start at: 2019-01-17 07:39:35
End at: 2019-01-17 07:40:05
Local clock offset: -4.951 ms
Remote clock offset: -2.279 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 89.033 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 89.033 ms
Loss rate: 6.36%
```

Run 3: Report of Sprout — Data Link

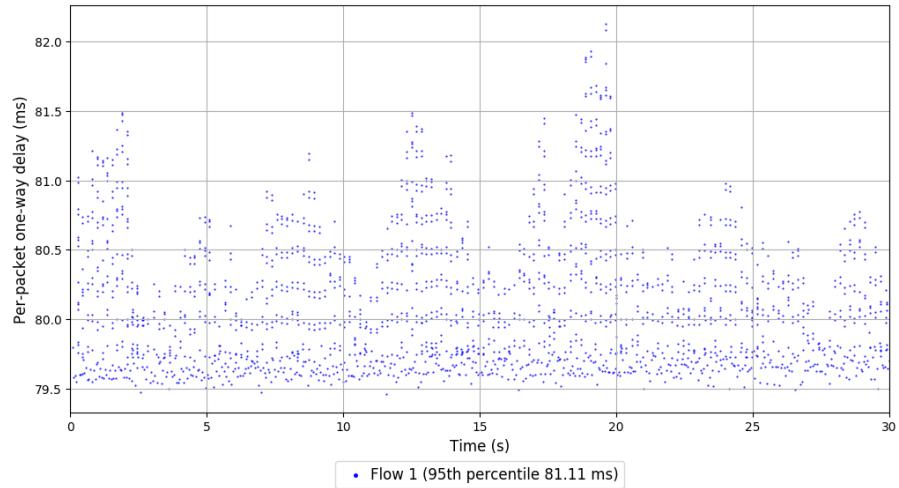
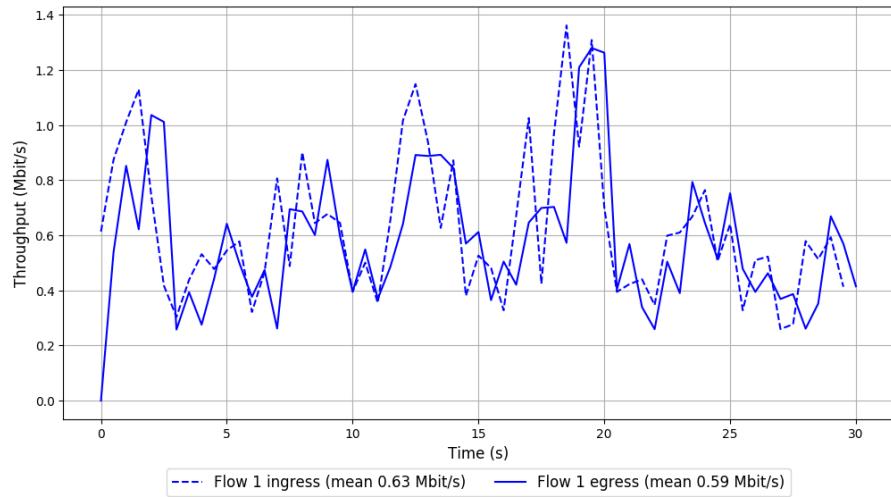


Run 4: Statistics of Sprout

```
Start at: 2019-01-17 08:04:01
End at: 2019-01-17 08:04:31
Local clock offset: -4.209 ms
Remote clock offset: -3.525 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 81.106 ms
Loss rate: 5.69%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 81.106 ms
Loss rate: 5.69%
```

Run 4: Report of Sprout — Data Link

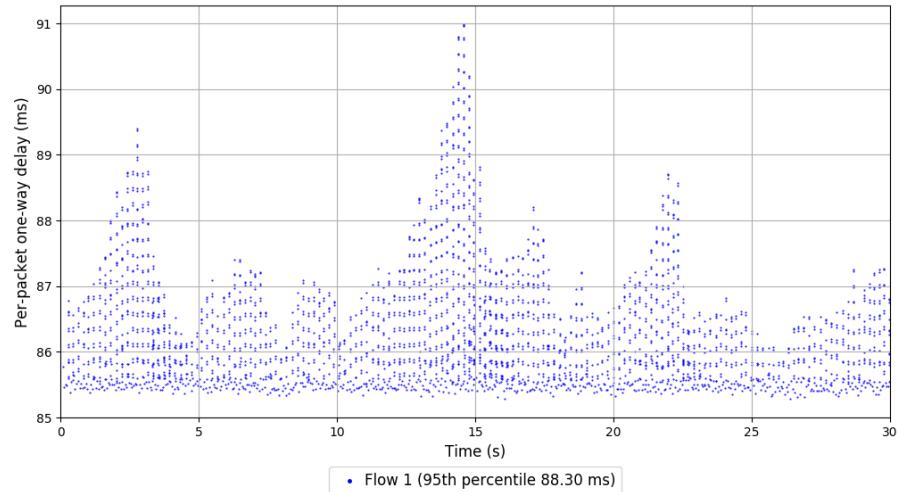
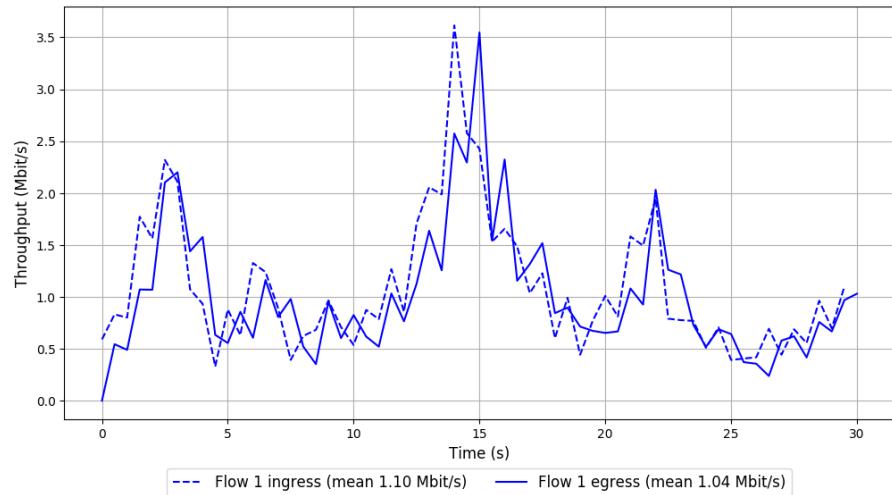


Run 5: Statistics of Sprout

```
Start at: 2019-01-17 08:28:20
End at: 2019-01-17 08:28:50
Local clock offset: -5.371 ms
Remote clock offset: 4.932 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 88.301 ms
Loss rate: 5.66%
-- Flow 1:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 88.301 ms
Loss rate: 5.66%
```

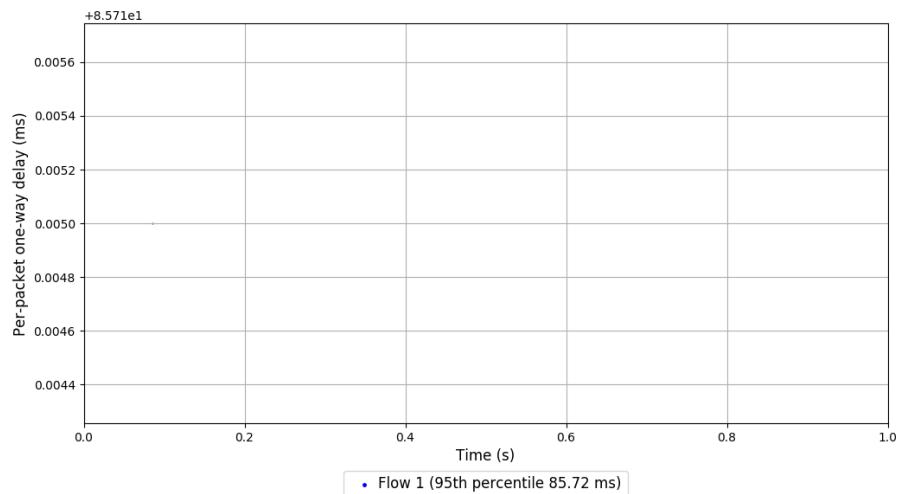
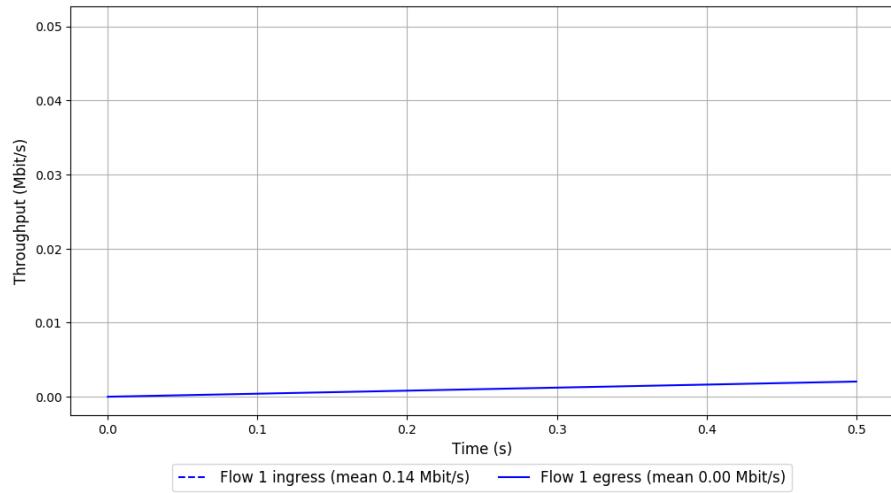
Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-01-17 06:30:56
End at: 2019-01-17 06:31:26
Local clock offset: -0.903 ms
Remote clock offset: 39.456 ms

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

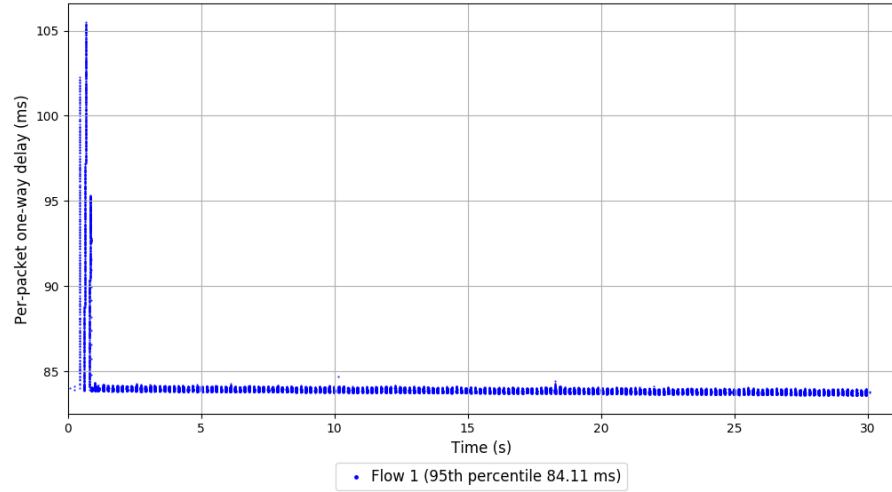
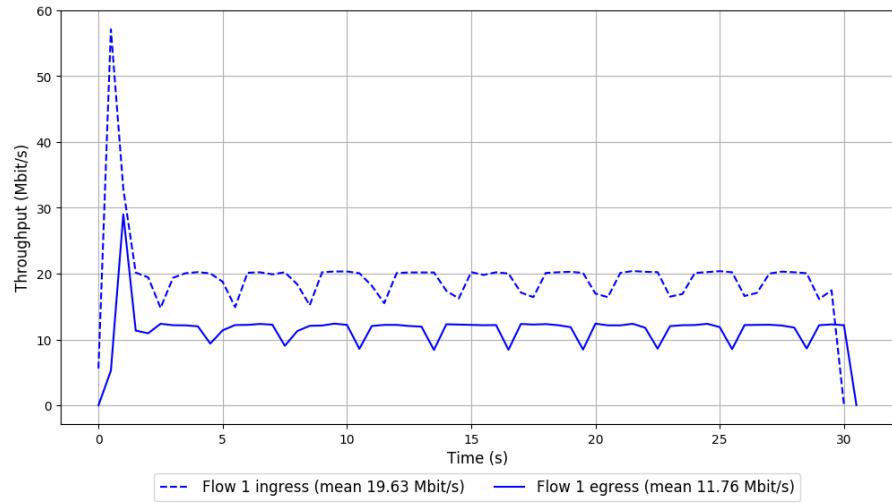


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-01-17 06:55:17
End at: 2019-01-17 06:55:47
Local clock offset: -1.697 ms
Remote clock offset: 47.651 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 84.109 ms
Loss rate: 40.08%
-- Flow 1:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 84.109 ms
Loss rate: 40.08%
```

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

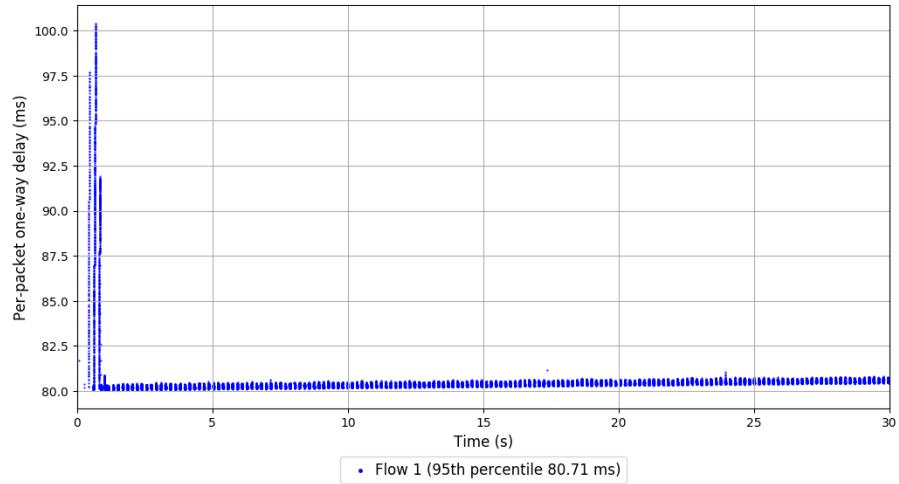
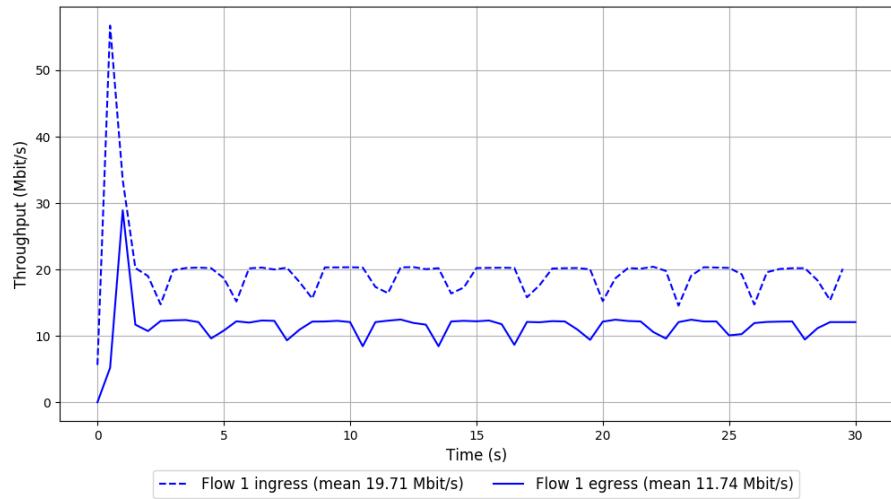


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-01-17 07:19:47
End at: 2019-01-17 07:20:17
Local clock offset: -4.253 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 80.708 ms
Loss rate: 40.46%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 80.708 ms
Loss rate: 40.46%
```

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

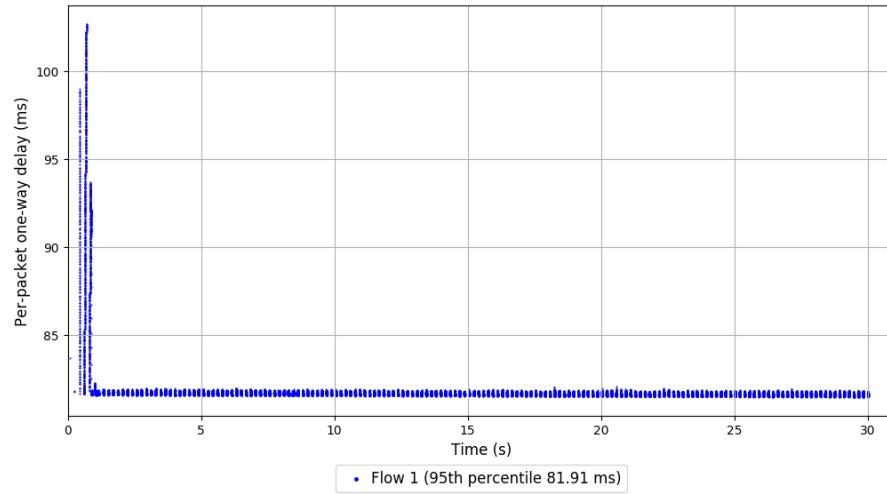
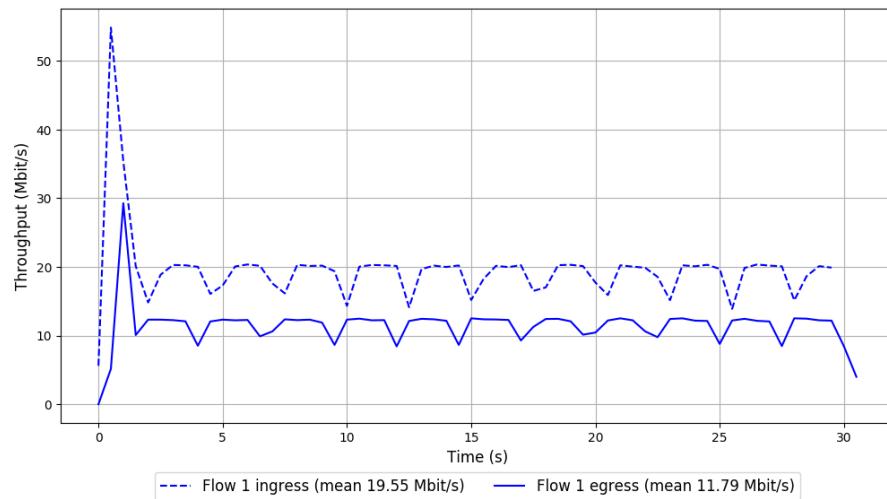


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-01-17 07:44:18
End at: 2019-01-17 07:44:48
Local clock offset: -4.277 ms
Remote clock offset: -3.192 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 81.912 ms
Loss rate: 39.70%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 81.912 ms
Loss rate: 39.70%
```

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

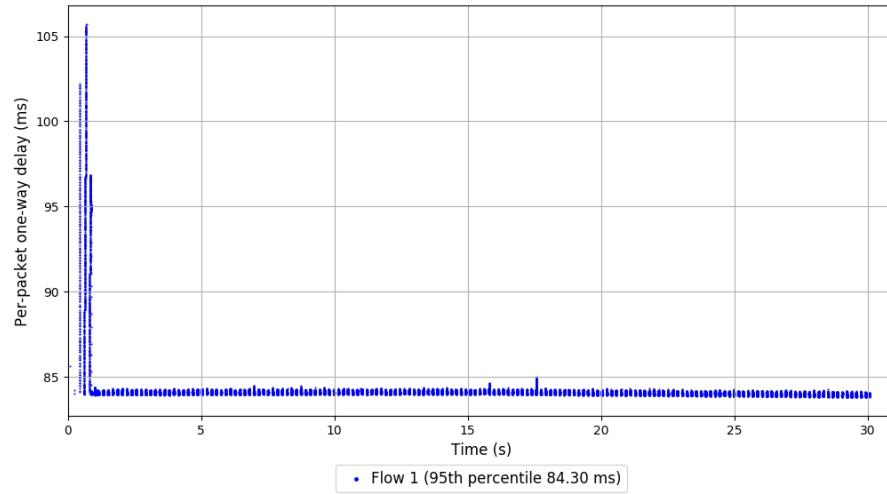
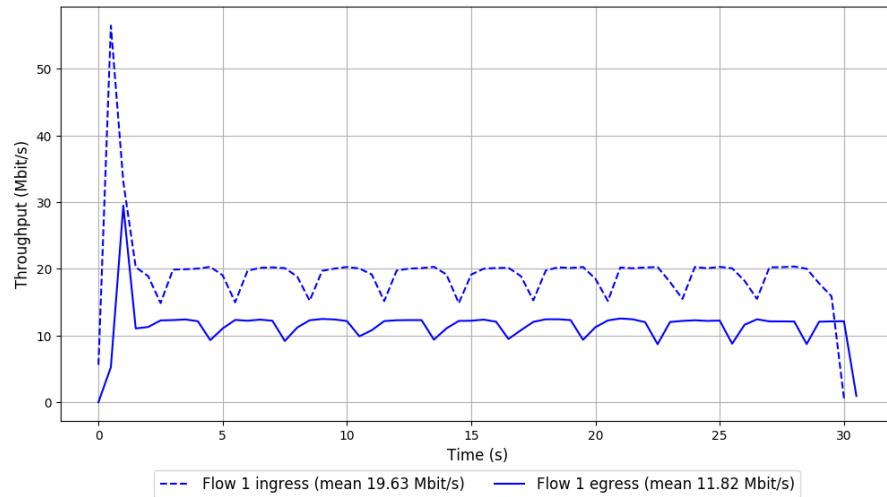


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-01-17 08:08:37
End at: 2019-01-17 08:09:07
Local clock offset: -4.232 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 84.297 ms
Loss rate: 39.81%
-- Flow 1:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 84.297 ms
Loss rate: 39.81%
```

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

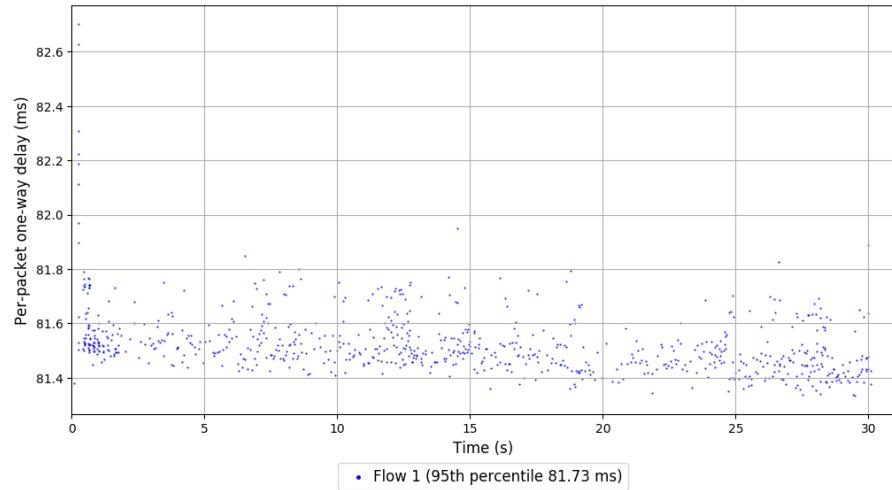
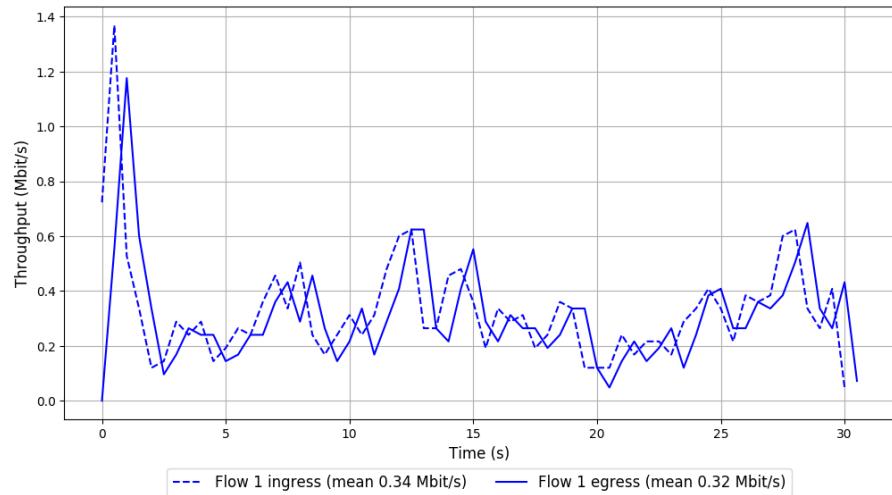


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-17 06:38:59
End at: 2019-01-17 06:39:29
Local clock offset: -0.723 ms
Remote clock offset: 37.157 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 81.731 ms
Loss rate: 5.35%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 81.731 ms
Loss rate: 5.35%
```

Run 1: Report of TCP Vegas — Data Link

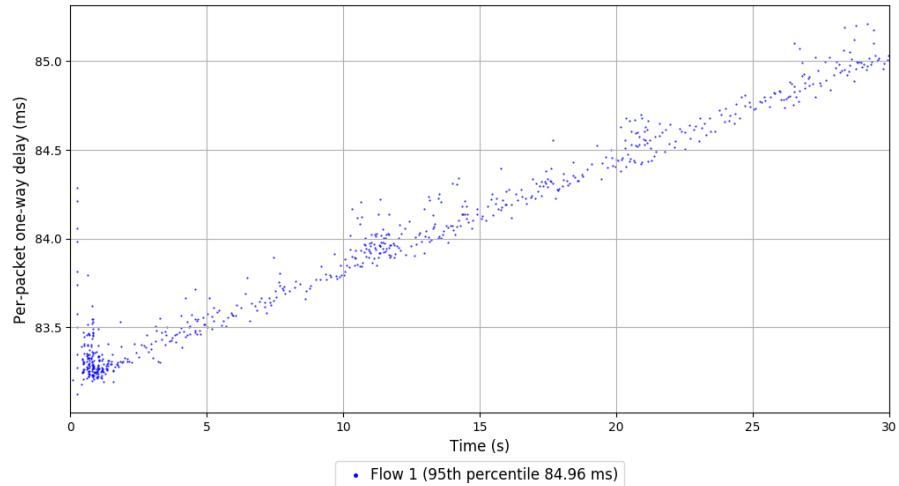
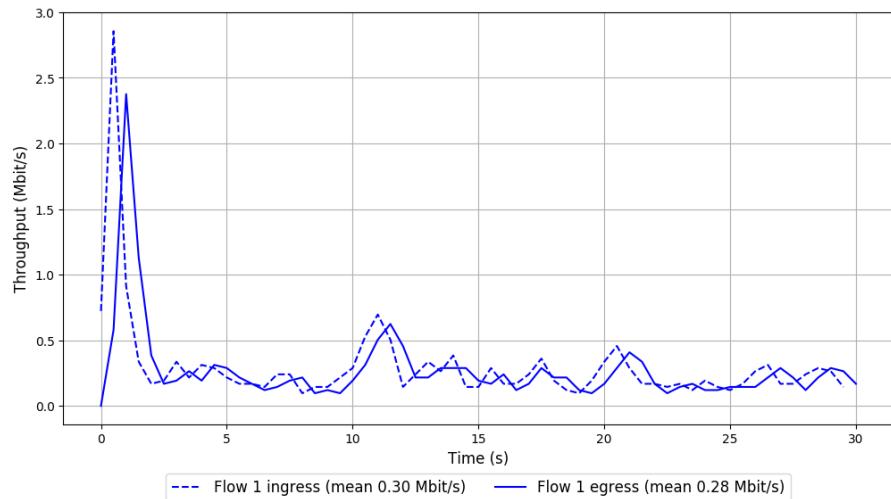


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-17 07:03:27
End at: 2019-01-17 07:03:57
Local clock offset: -2.689 ms
Remote clock offset: 32.863 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 84.961 ms
Loss rate: 6.96%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 84.961 ms
Loss rate: 6.96%
```

Run 2: Report of TCP Vegas — Data Link

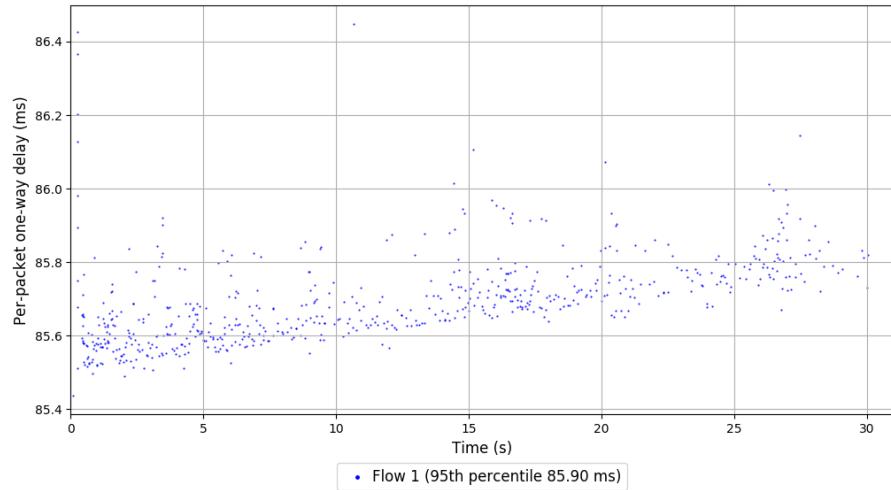
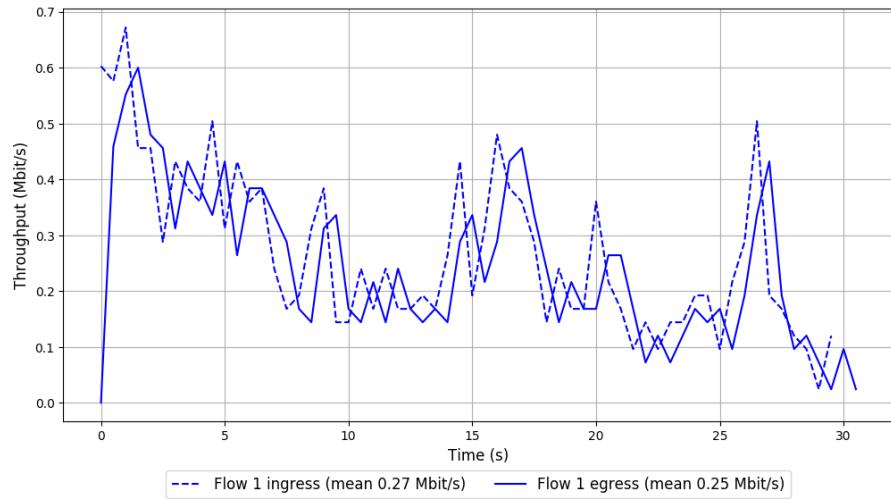


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-17 07:27:54
End at: 2019-01-17 07:28:24
Local clock offset: -4.638 ms
Remote clock offset: -1.904 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 85.900 ms
Loss rate: 6.39%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 85.900 ms
Loss rate: 6.39%
```

Run 3: Report of TCP Vegas — Data Link

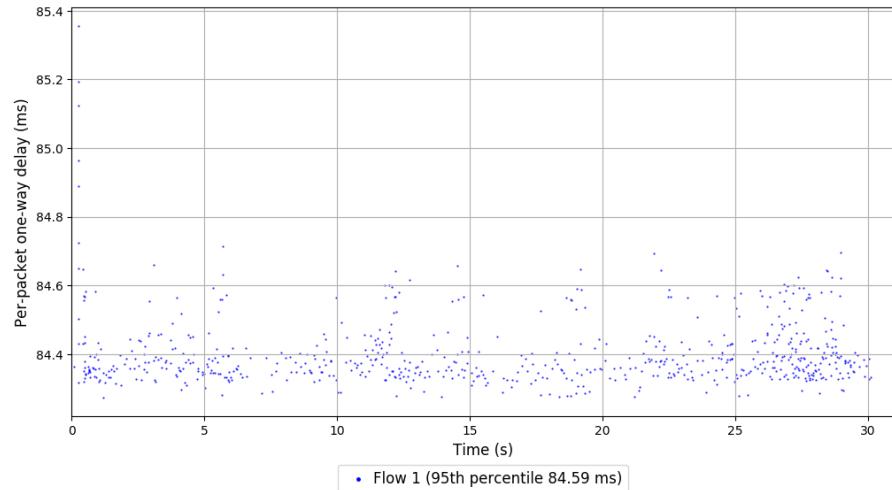
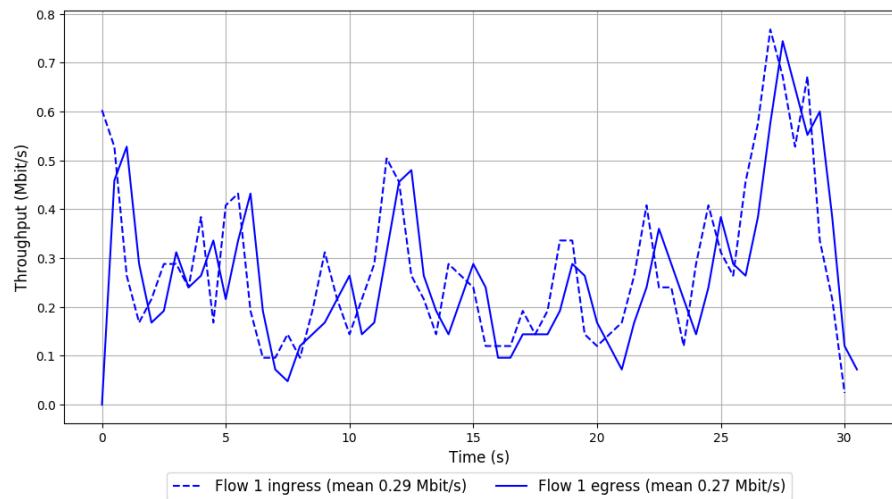


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-17 07:52:23
End at: 2019-01-17 07:52:53
Local clock offset: -4.254 ms
Remote clock offset: 0.268 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 84.587 ms
Loss rate: 5.69%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 84.587 ms
Loss rate: 5.69%
```

Run 4: Report of TCP Vegas — Data Link

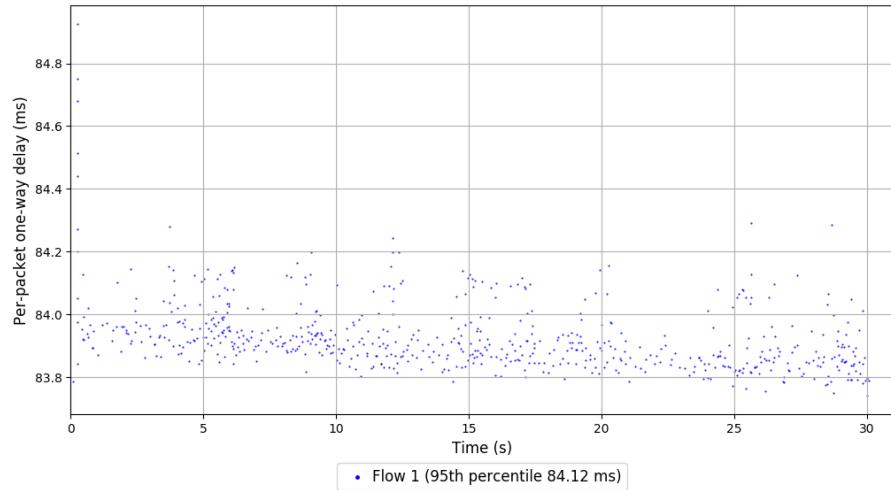
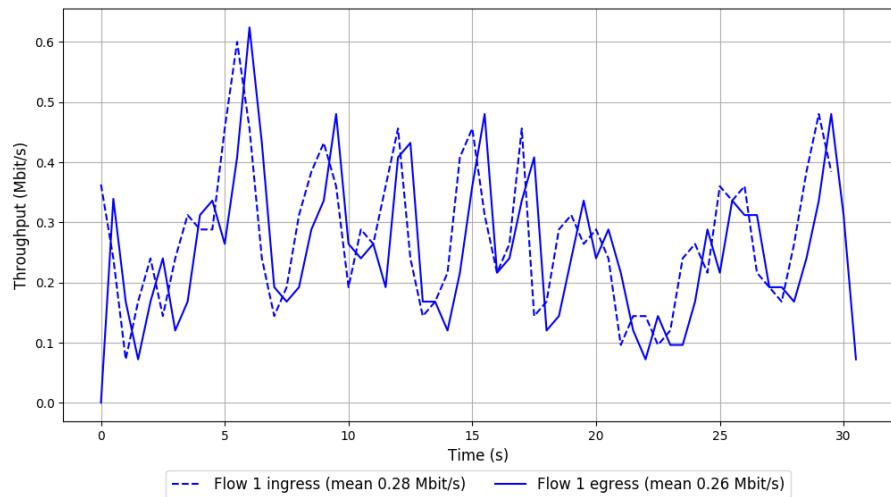


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-17 08:16:45
End at: 2019-01-17 08:17:15
Local clock offset: -4.296 ms
Remote clock offset: 3.444 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 84.125 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 84.125 ms
Loss rate: 5.95%
```

Run 5: Report of TCP Vegas — Data Link

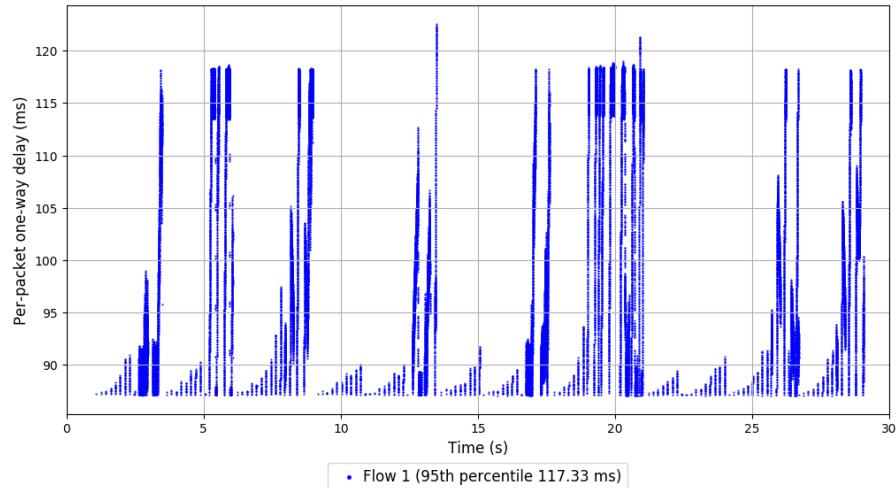
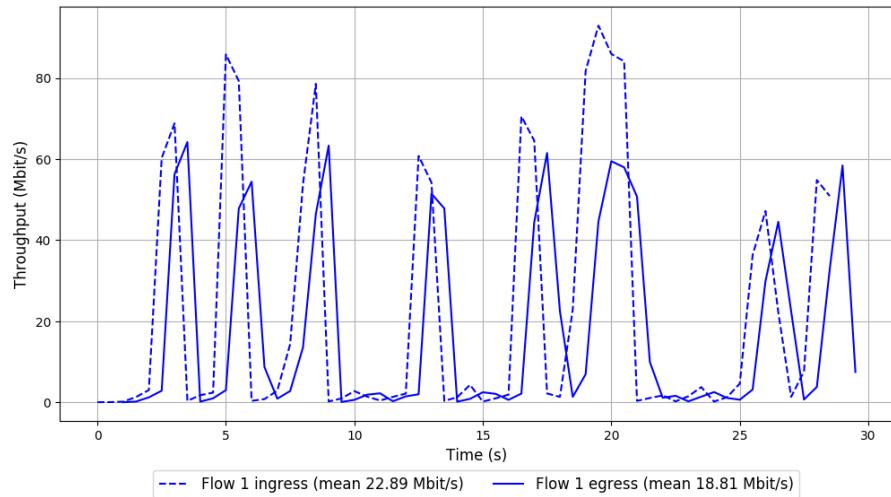


Run 1: Statistics of Verus

```
Start at: 2019-01-17 06:32:03
End at: 2019-01-17 06:32:33
Local clock offset: -1.458 ms
Remote clock offset: 41.237 ms

# Below is generated by plot.py at 2019-01-17 08:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 117.332 ms
Loss rate: 20.67%
-- Flow 1:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 117.332 ms
Loss rate: 20.67%
```

Run 1: Report of Verus — Data Link

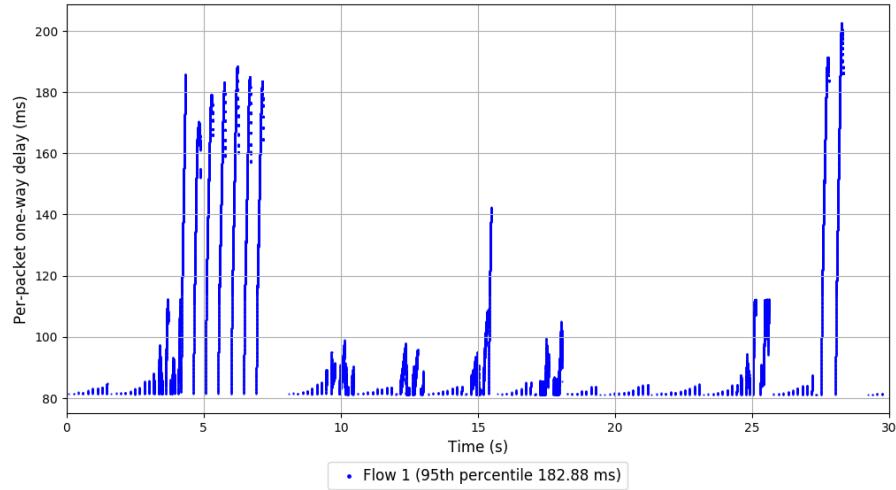
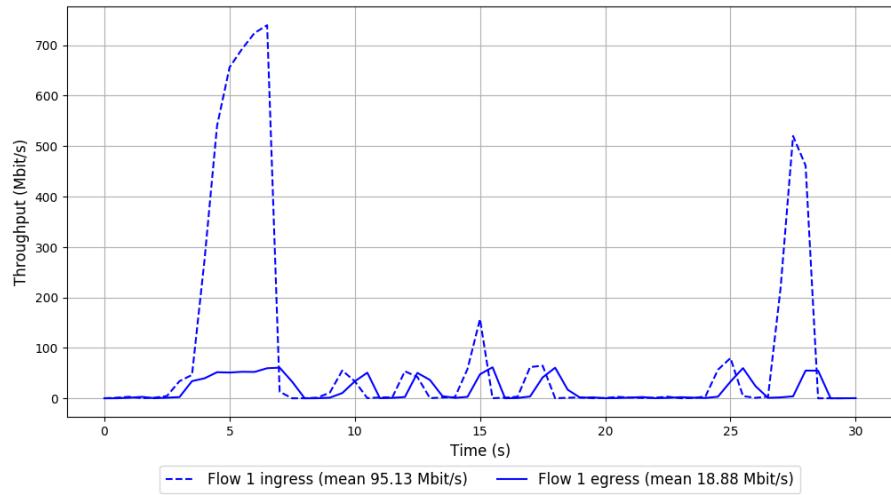


Run 2: Statistics of Verus

```
Start at: 2019-01-17 06:56:26
End at: 2019-01-17 06:56:56
Local clock offset: -2.605 ms
Remote clock offset: 43.252 ms

# Below is generated by plot.py at 2019-01-17 08:38:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.88 Mbit/s
95th percentile per-packet one-way delay: 182.880 ms
Loss rate: 80.16%
-- Flow 1:
Average throughput: 18.88 Mbit/s
95th percentile per-packet one-way delay: 182.880 ms
Loss rate: 80.16%
```

Run 2: Report of Verus — Data Link

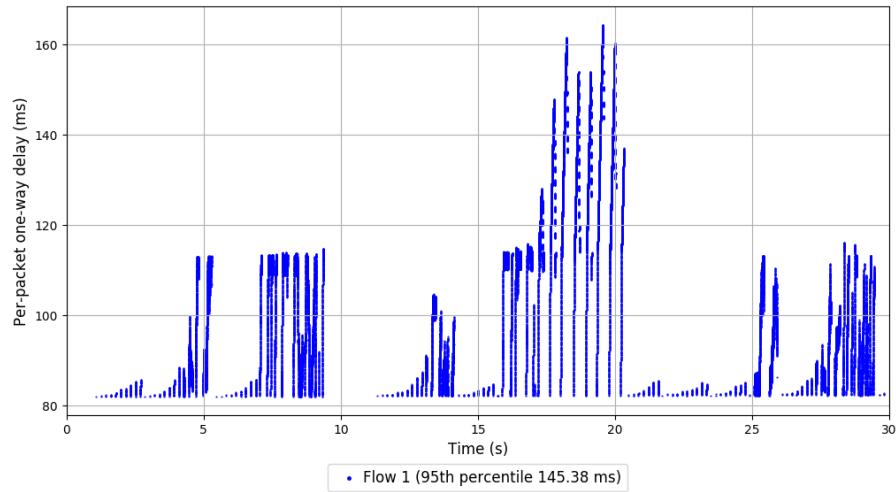
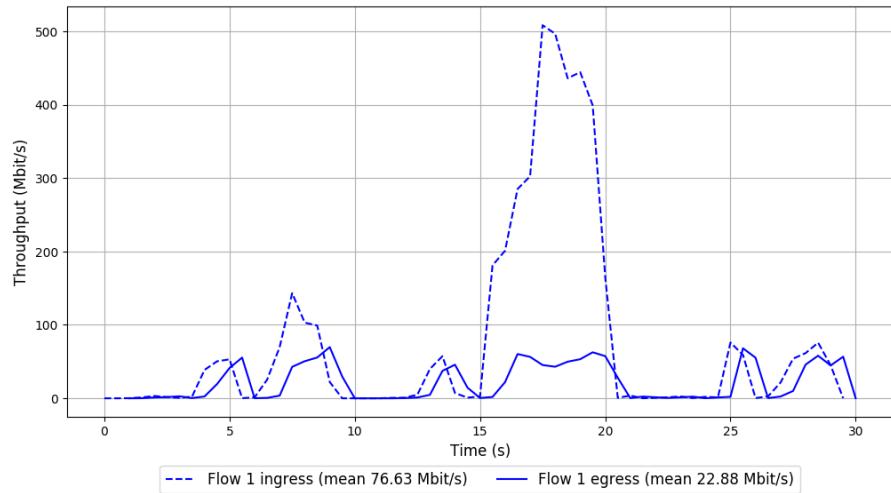


Run 3: Statistics of Verus

```
Start at: 2019-01-17 07:20:56
End at: 2019-01-17 07:21:26
Local clock offset: -4.297 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 145.385 ms
Loss rate: 71.14%
-- Flow 1:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 145.385 ms
Loss rate: 71.14%
```

Run 3: Report of Verus — Data Link

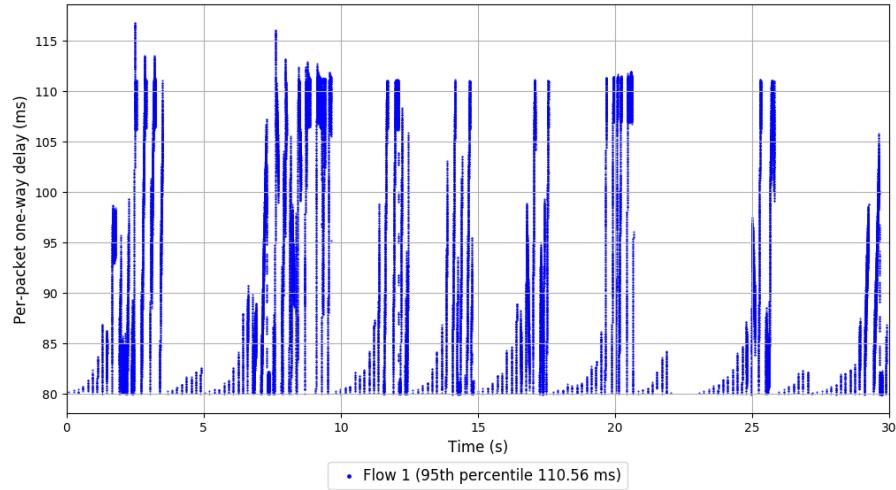
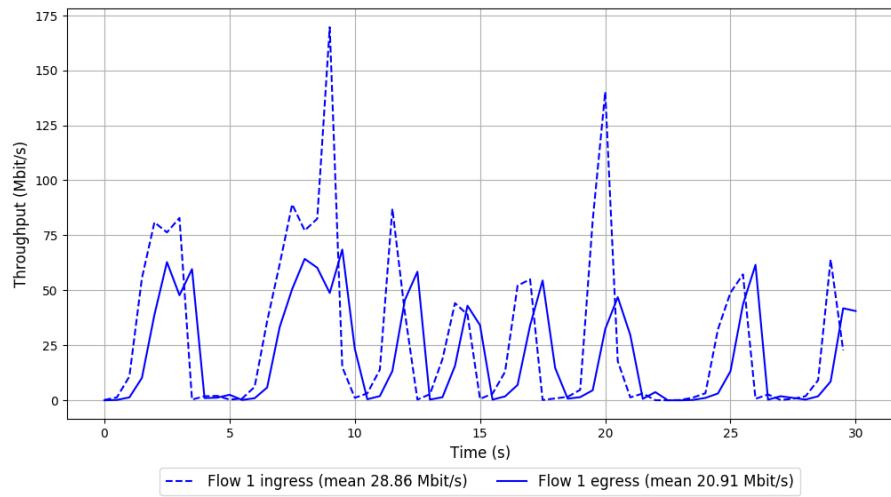


Run 4: Statistics of Verus

```
Start at: 2019-01-17 07:45:27
End at: 2019-01-17 07:45:57
Local clock offset: -4.365 ms
Remote clock offset: -3.988 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 110.564 ms
Loss rate: 27.52%
-- Flow 1:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 110.564 ms
Loss rate: 27.52%
```

Run 4: Report of Verus — Data Link

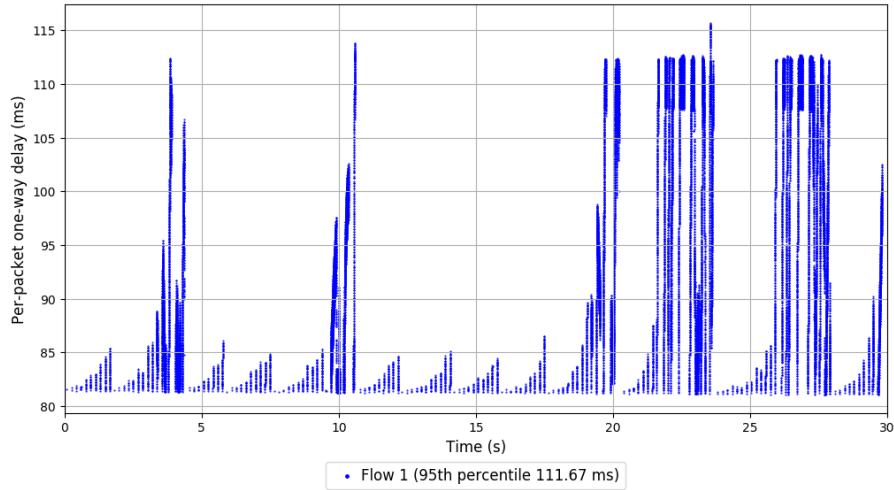
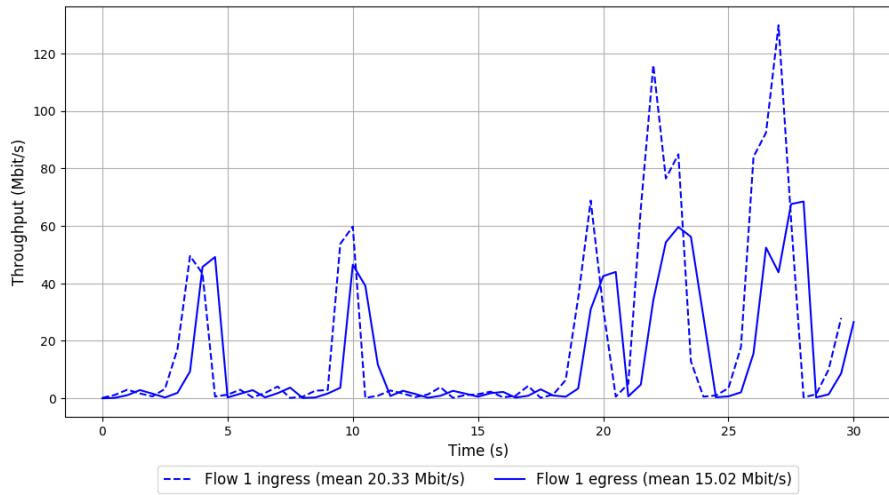


Run 5: Statistics of Verus

```
Start at: 2019-01-17 08:09:46
End at: 2019-01-17 08:10:16
Local clock offset: -5.003 ms
Remote clock offset: -4.683 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 111.672 ms
Loss rate: 26.07%
-- Flow 1:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 111.672 ms
Loss rate: 26.07%
```

Run 5: Report of Verus — Data Link

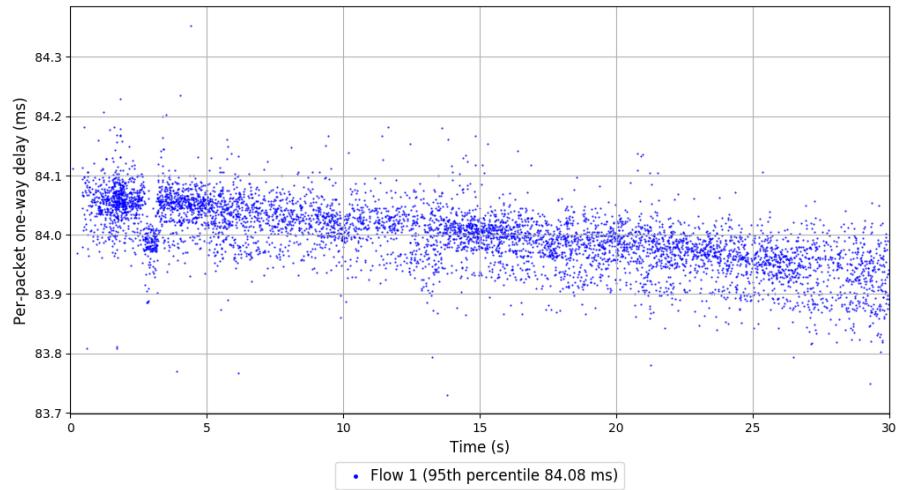
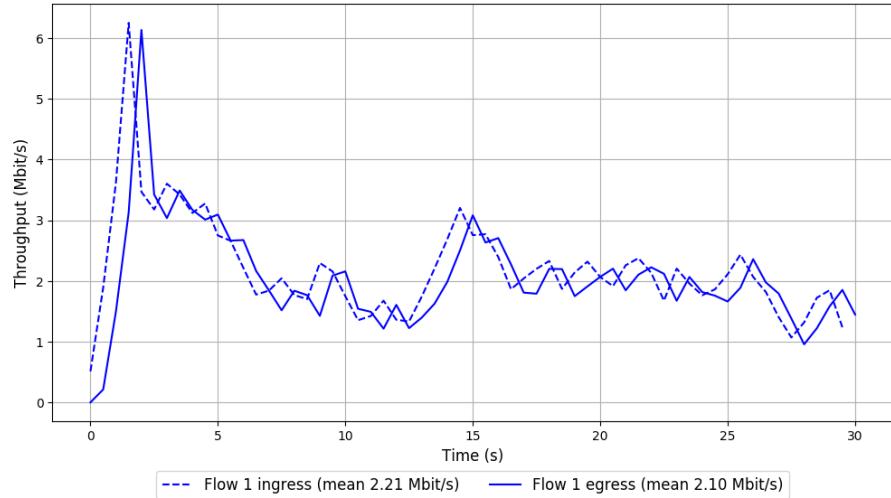


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-17 06:40:07
End at: 2019-01-17 06:40:37
Local clock offset: -0.605 ms
Remote clock offset: 41.599 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 84.078 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 84.078 ms
Loss rate: 5.24%
```

Run 1: Report of PCC-Vivace — Data Link

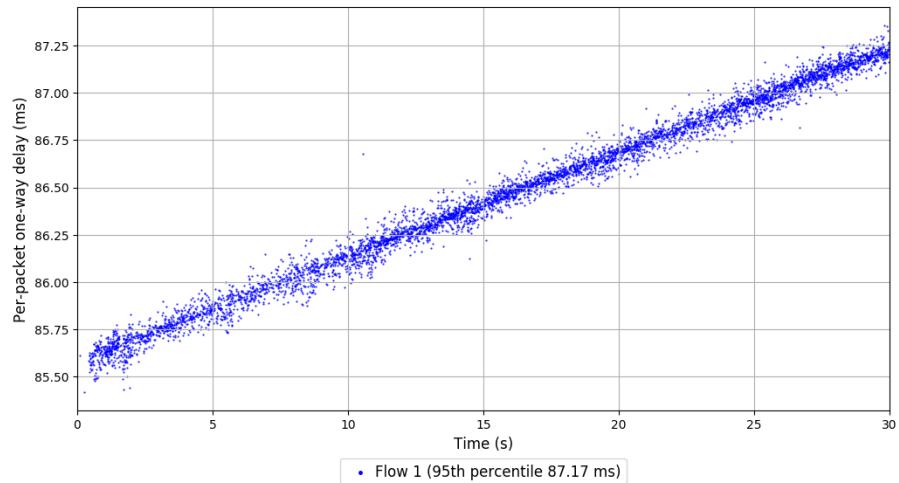
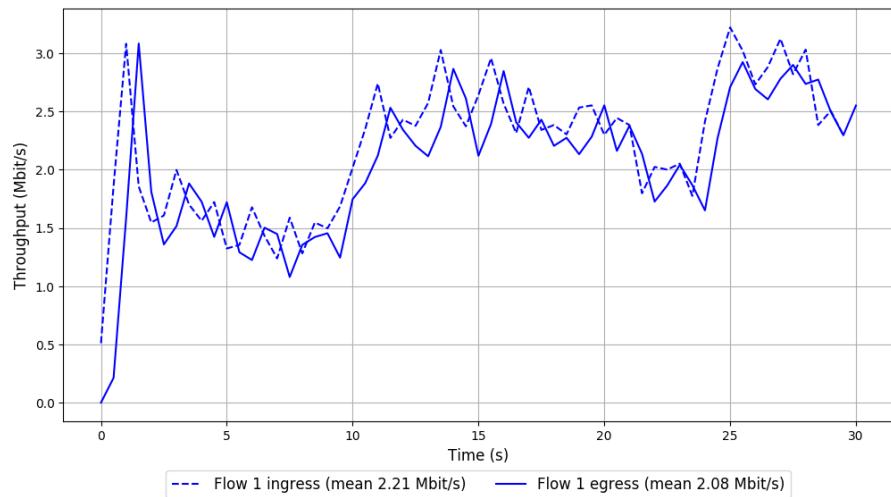


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-17 07:04:34
End at: 2019-01-17 07:05:04
Local clock offset: -2.813 ms
Remote clock offset: 31.276 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 87.165 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 87.165 ms
Loss rate: 5.71%
```

Run 2: Report of PCC-Vivace — Data Link

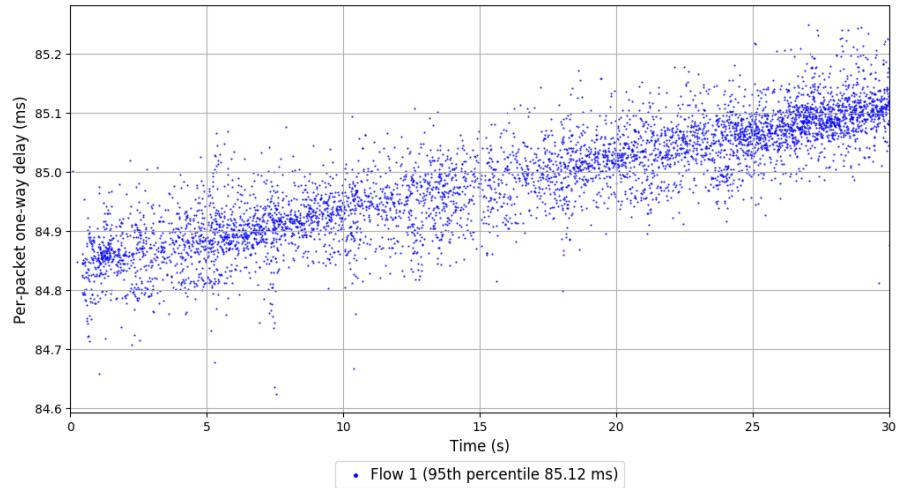
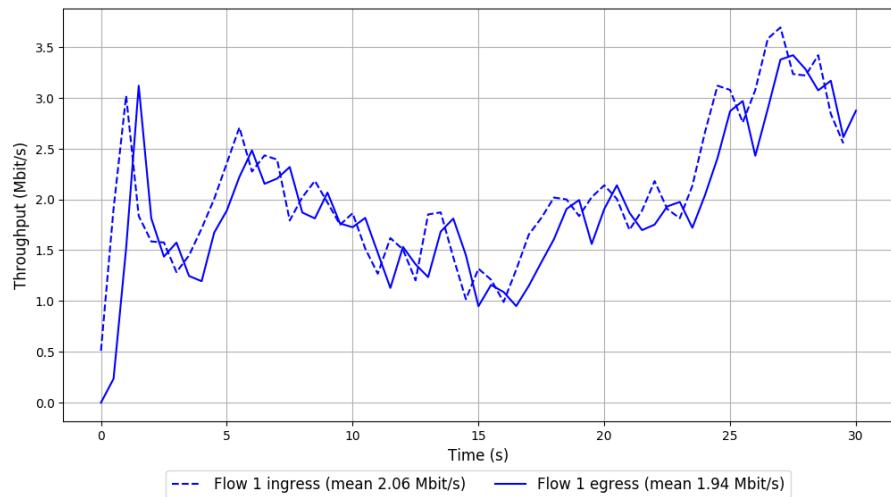


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-17 07:29:06
End at: 2019-01-17 07:29:36
Local clock offset: -4.663 ms
Remote clock offset: -1.736 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 85.124 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 85.124 ms
Loss rate: 5.79%
```

Run 3: Report of PCC-Vivace — Data Link

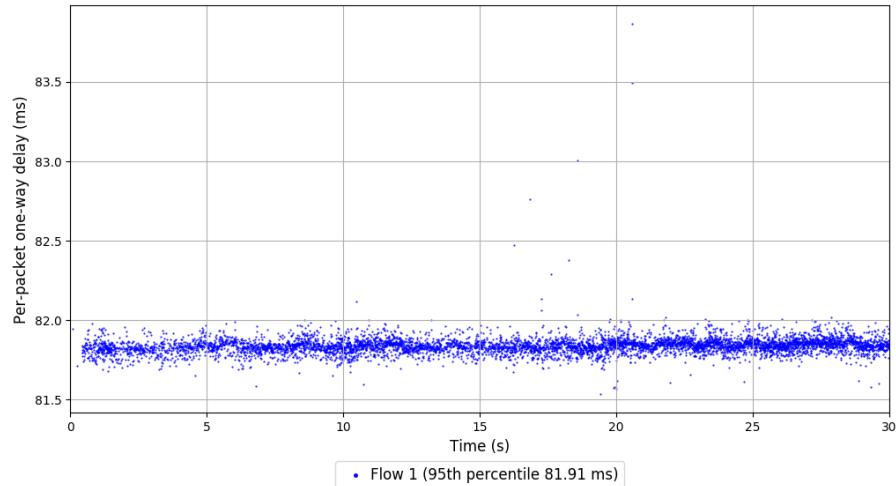
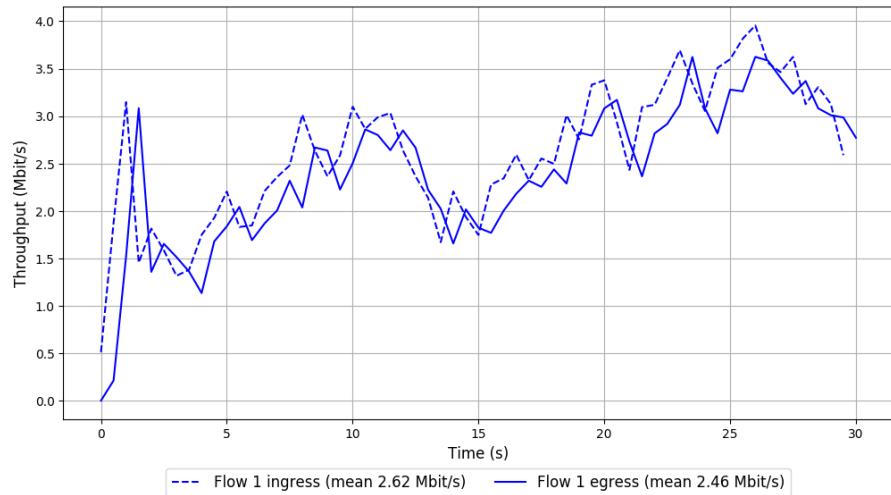


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-17 07:53:31
End at: 2019-01-17 07:54:01
Local clock offset: -4.228 ms
Remote clock offset: -2.355 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 81.914 ms
Loss rate: 6.17%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 81.914 ms
Loss rate: 6.17%
```

Run 4: Report of PCC-Vivace — Data Link

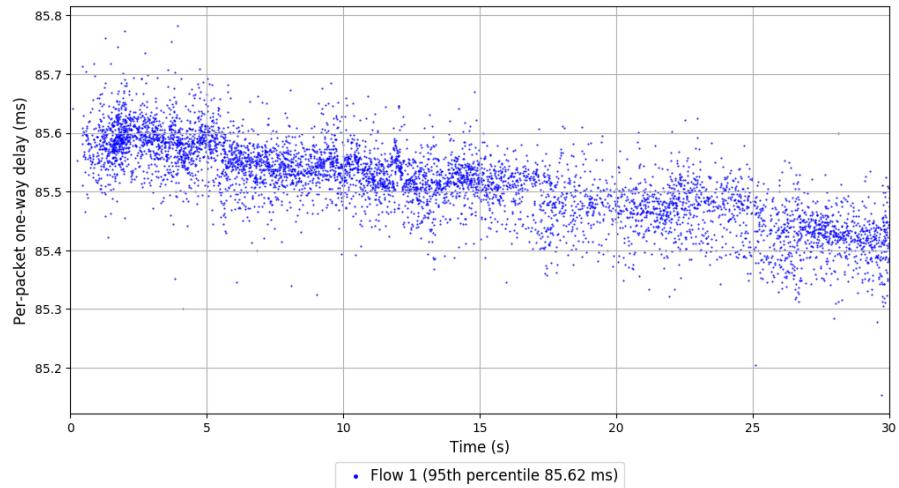
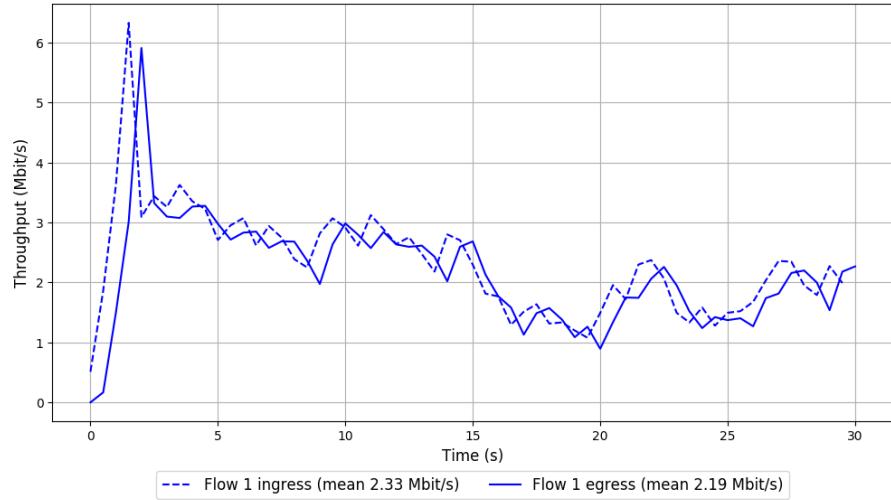


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-17 08:17:53
End at: 2019-01-17 08:18:23
Local clock offset: -4.326 ms
Remote clock offset: 3.906 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 85.619 ms
Loss rate: 5.80%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 85.619 ms
Loss rate: 5.80%
```

Run 5: Report of PCC-Vivace — Data Link

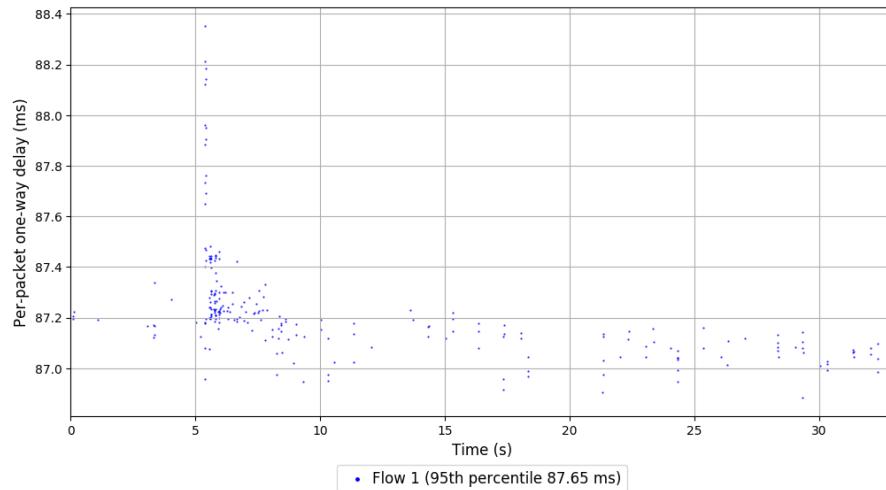
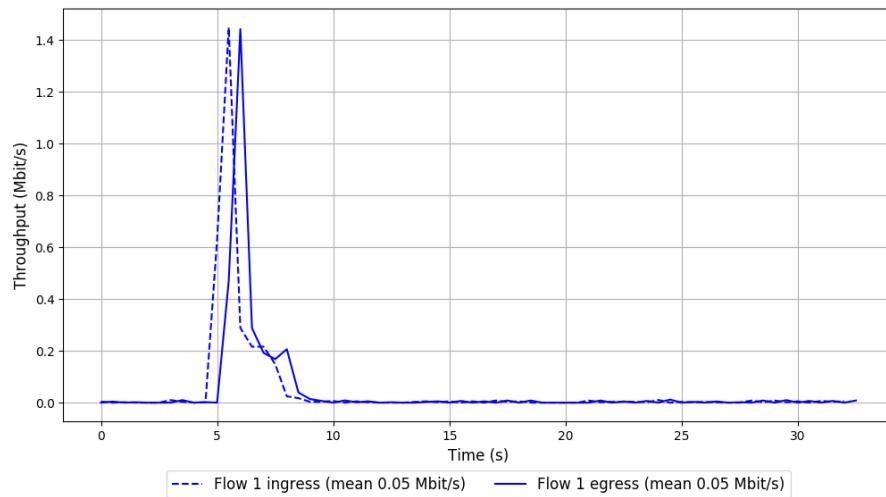


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-17 06:34:20
End at: 2019-01-17 06:34:50
Local clock offset: -0.471 ms
Remote clock offset: 40.906 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.648 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.648 ms
Loss rate: 5.39%
```

Run 1: Report of WebRTC media — Data Link

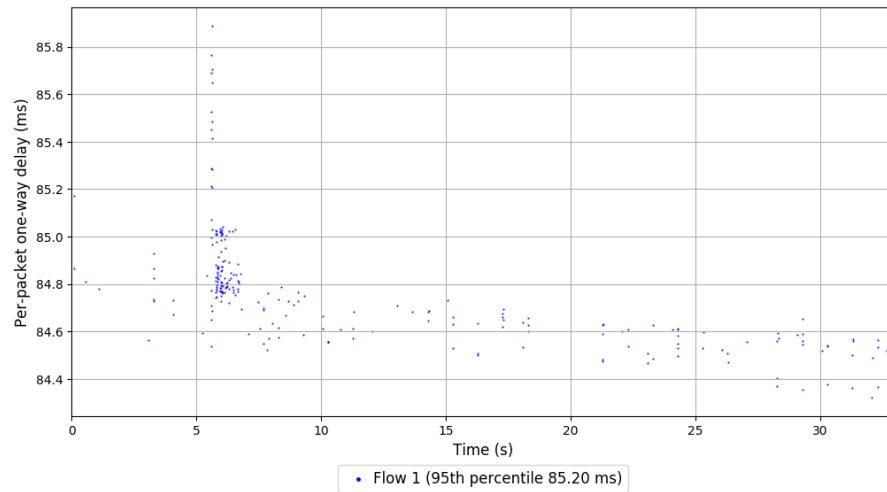
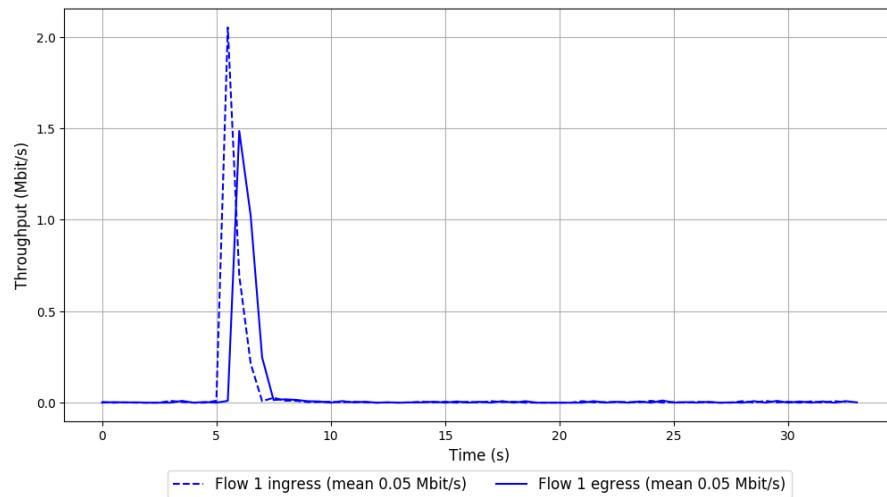


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-17 06:58:43
End at: 2019-01-17 06:59:13
Local clock offset: -2.975 ms
Remote clock offset: 47.882 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.205 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.205 ms
Loss rate: 6.41%
```

Run 2: Report of WebRTC media — Data Link

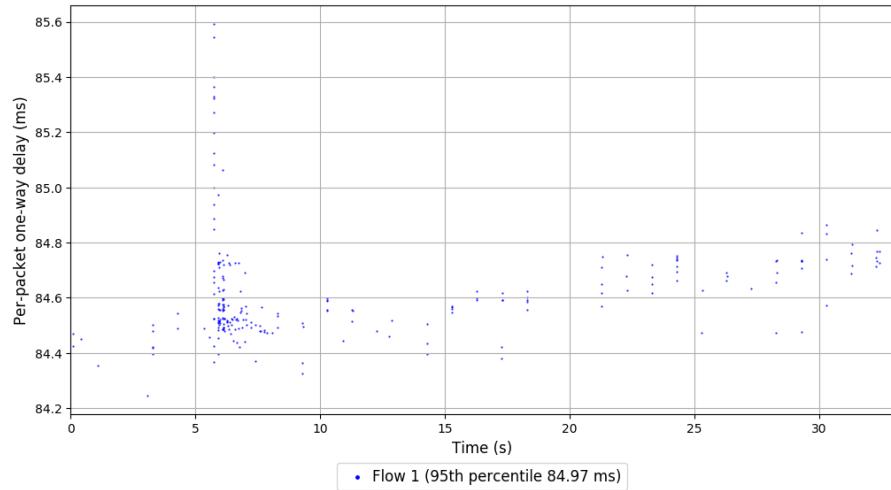
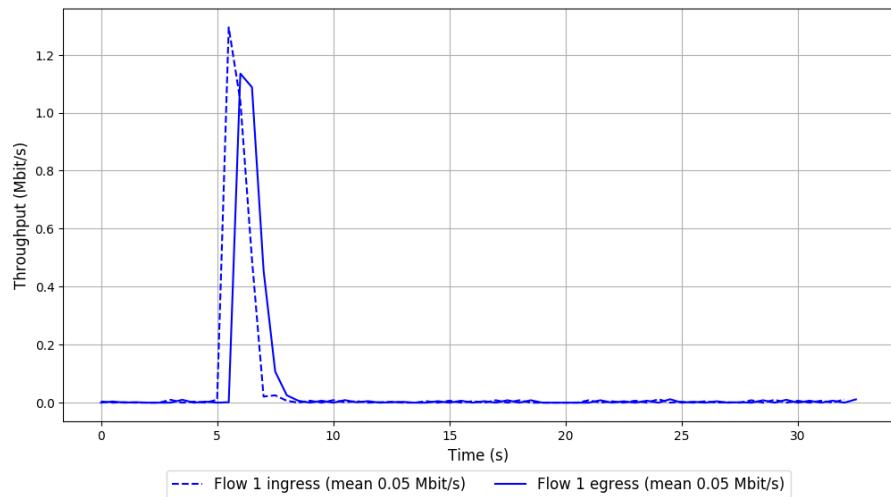


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-17 07:23:13
End at: 2019-01-17 07:23:43
Local clock offset: -3.673 ms
Remote clock offset: 0.816 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 84.975 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 84.975 ms
Loss rate: 2.36%
```

Run 3: Report of WebRTC media — Data Link

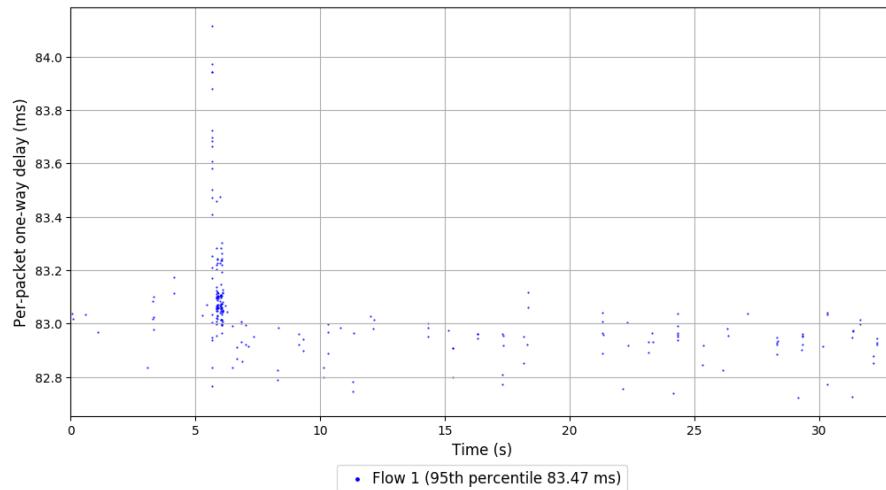
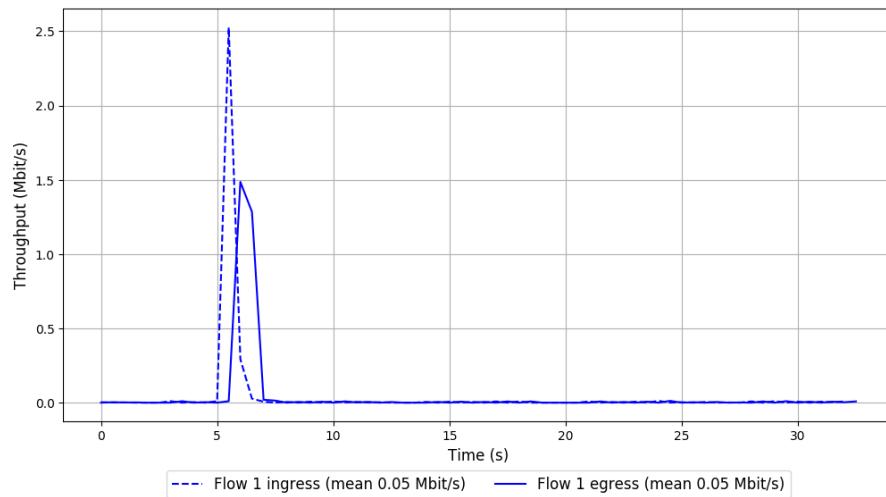


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-17 07:47:44
End at: 2019-01-17 07:48:14
Local clock offset: -5.104 ms
Remote clock offset: -2.569 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.475 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.475 ms
Loss rate: 1.58%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-01-17 08:12:03
End at: 2019-01-17 08:12:33
Local clock offset: -5.013 ms
Remote clock offset: -2.137 ms

# Below is generated by plot.py at 2019-01-17 08:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.651 ms
Loss rate: 6.29%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.651 ms
Loss rate: 6.29%
```

Run 5: Report of WebRTC media — Data Link

