

Pantheon Report

Generated at 2019-01-21 07:06:33 (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:

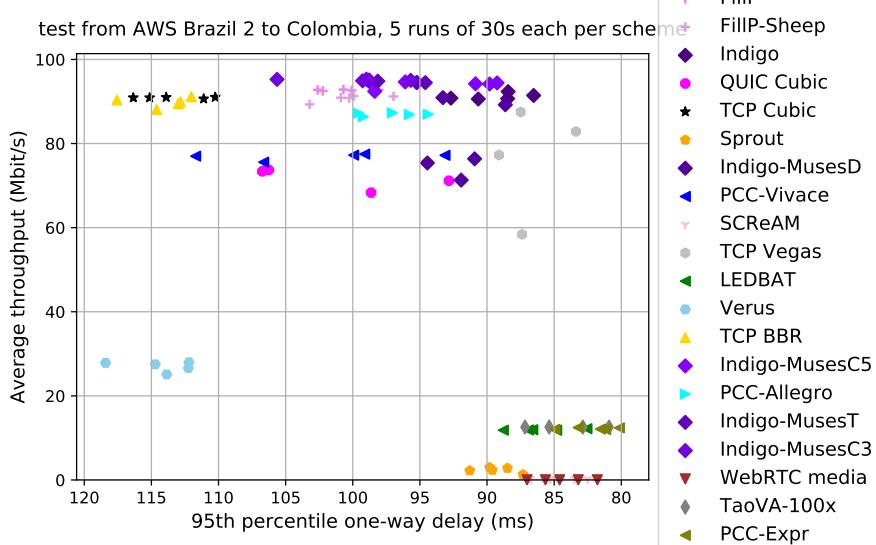
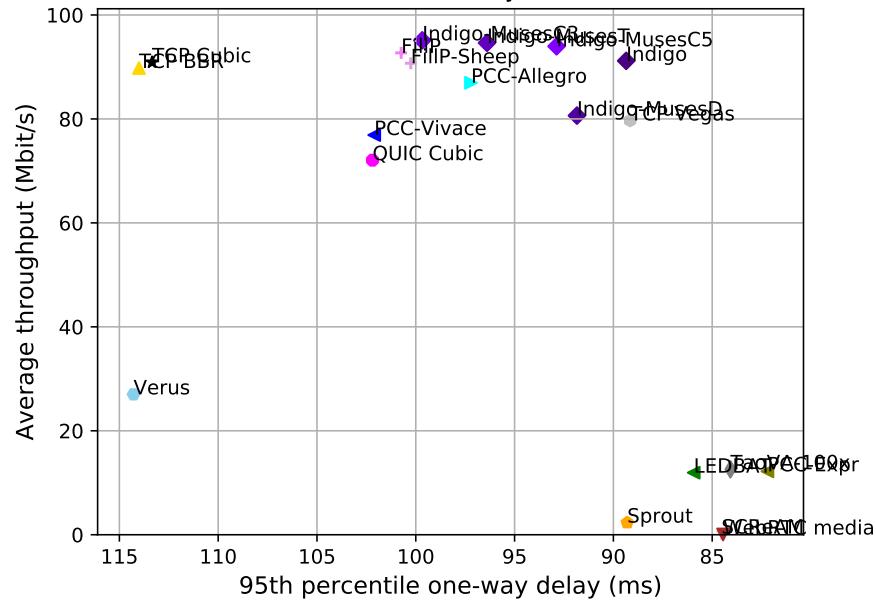
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 89d24e57783e7fbfec537a619071de937b639e38
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 1ddcff131048c6962f123bcd22b4d166a422adde
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



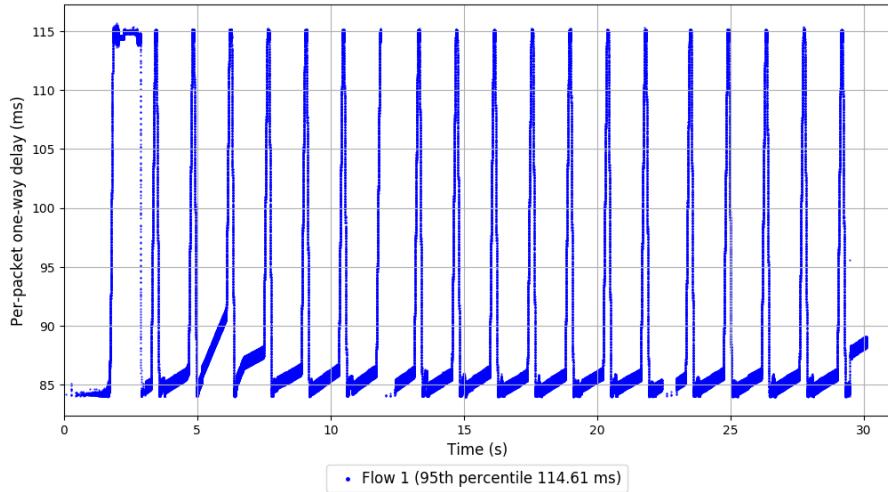
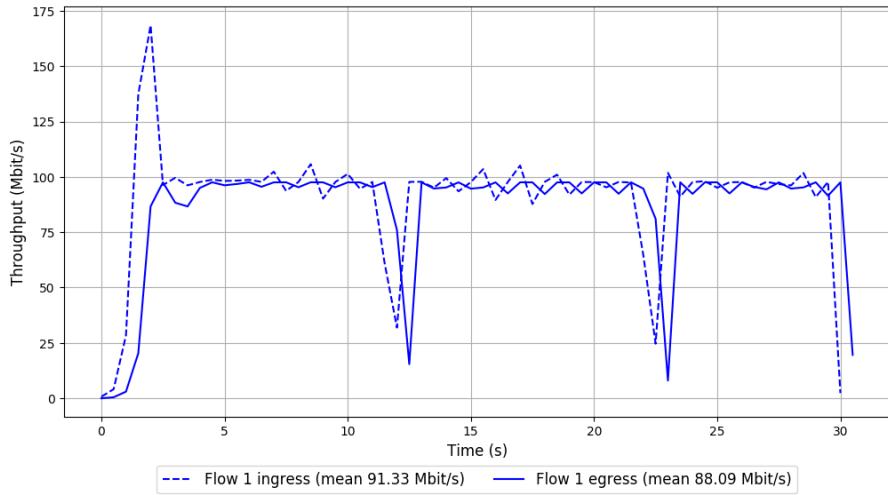
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	89.80	114.01	3.15
Copa	0	N/A	N/A	N/A
TCP Cubic	5	90.90	113.35	0.45
FillP	5	92.71	100.74	1.24
FillP-Sheep	5	90.71	100.25	1.20
Indigo	5	91.17	89.35	1.08
Indigo-MusesC3	5	95.12	99.67	0.34
Indigo-MusesC5	5	93.97	92.88	0.09
Indigo-MusesD	5	80.64	91.84	0.00
Indigo-MusesT	5	94.63	96.40	2.95
LEDBAT	5	11.94	85.94	0.00
PCC-Allegro	5	86.95	97.20	1.50
PCC-Expr	5	12.20	82.21	49.15
QUIC Cubic	5	72.06	102.19	0.34
SCReAM	5	0.22	84.53	0.00
Sprout	5	2.33	89.30	0.00
TaoVA-100x	4	12.59	84.08	33.20
TCP Vegas	5	79.70	89.15	0.63
Verus	5	27.01	114.29	15.16
PCC-Vivace	5	76.90	102.10	0.07
WebRTC media	5	0.05	84.45	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-21 05:09:46
End at: 2019-01-21 05:10:16
Local clock offset: -7.107 ms
Remote clock offset: 6.976 ms

# Below is generated by plot.py at 2019-01-21 06:58:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 114.611 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 114.611 ms
Loss rate: 3.53%
```

Run 1: Report of TCP BBR — Data Link

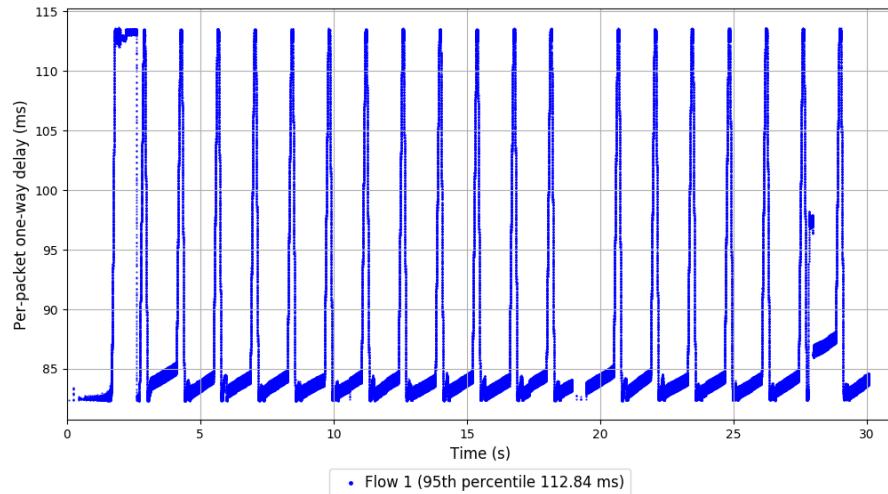
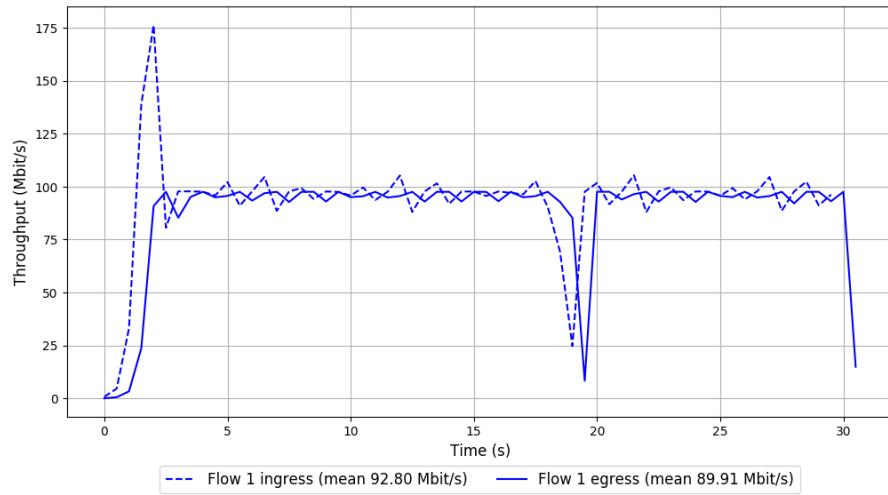


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-21 05:34:25
End at: 2019-01-21 05:34:55
Local clock offset: -1.412 ms
Remote clock offset: 3.574 ms

# Below is generated by plot.py at 2019-01-21 06:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 112.836 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 112.836 ms
Loss rate: 3.11%
```

Run 2: Report of TCP BBR — Data Link

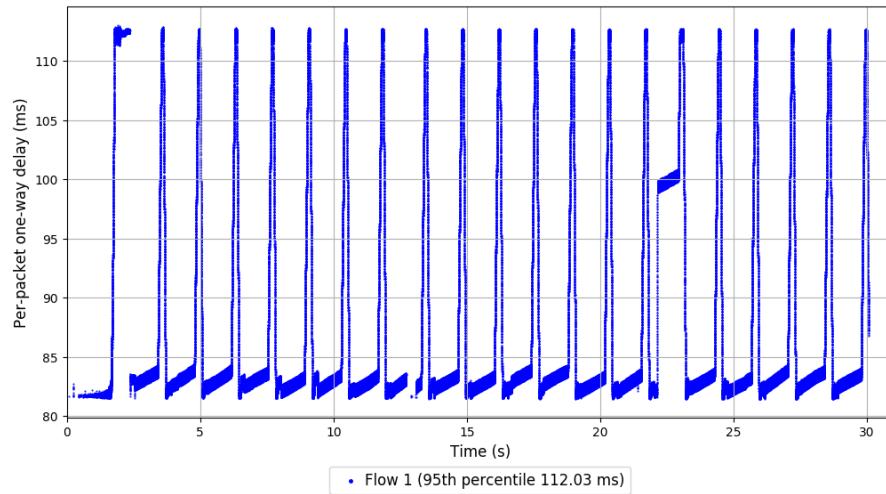
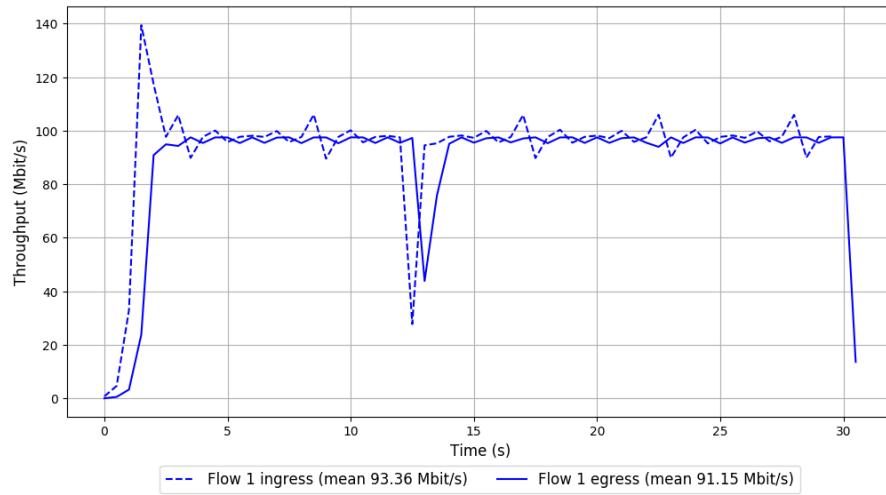


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-21 05:59:04
End at: 2019-01-21 05:59:34
Local clock offset: -4.385 ms
Remote clock offset: 3.081 ms

# Below is generated by plot.py at 2019-01-21 06:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 112.026 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 112.026 ms
Loss rate: 2.35%
```

Run 3: Report of TCP BBR — Data Link

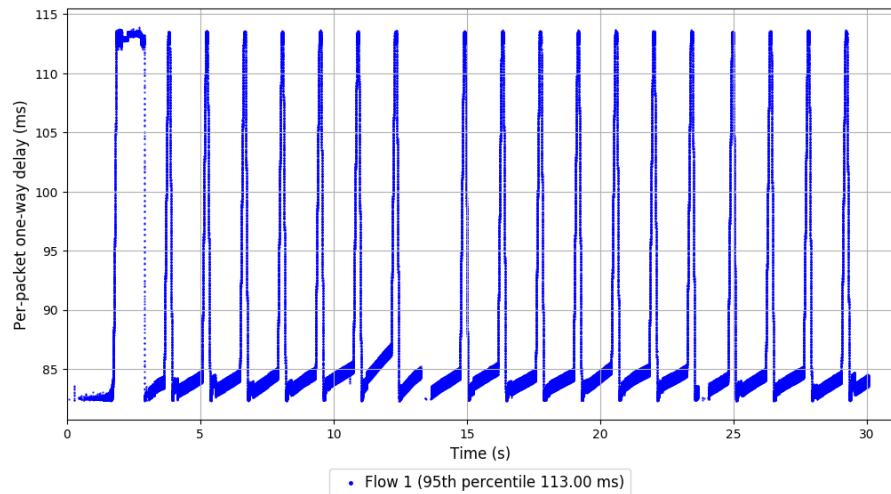
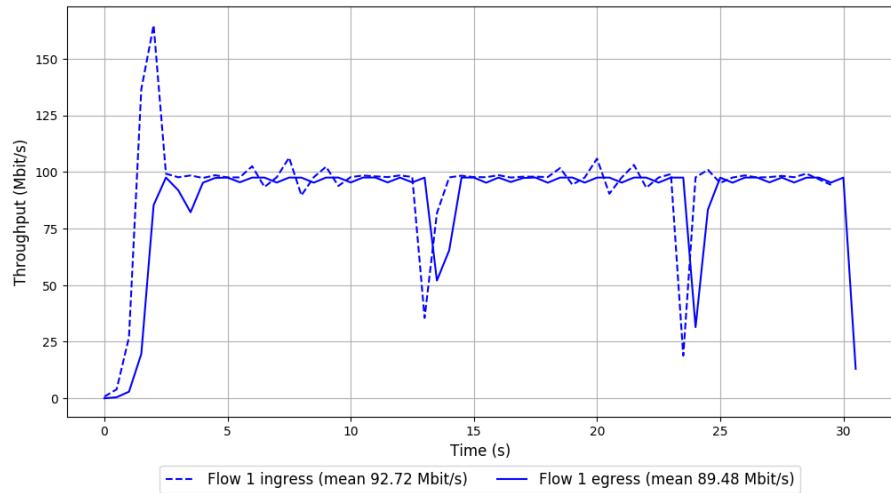


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-21 06:23:43
End at: 2019-01-21 06:24:13
Local clock offset: -6.56 ms
Remote clock offset: 3.366 ms

# Below is generated by plot.py at 2019-01-21 06:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 112.995 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 112.995 ms
Loss rate: 3.48%
```

Run 4: Report of TCP BBR — Data Link

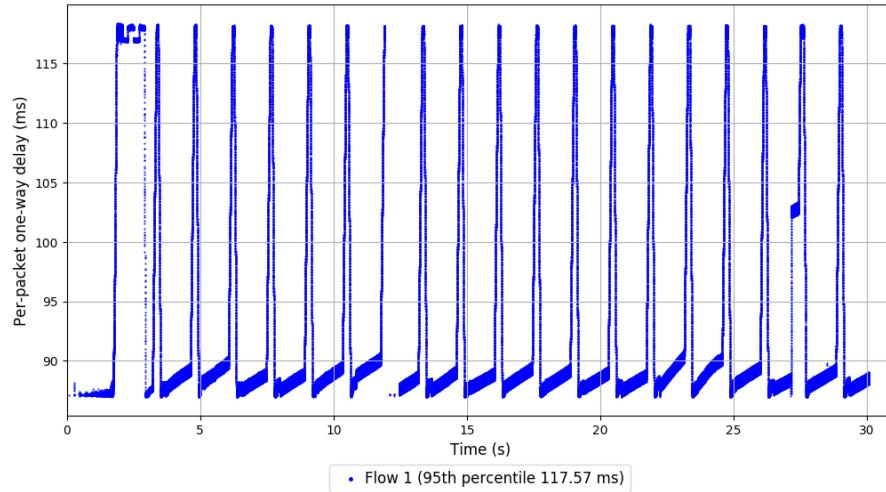
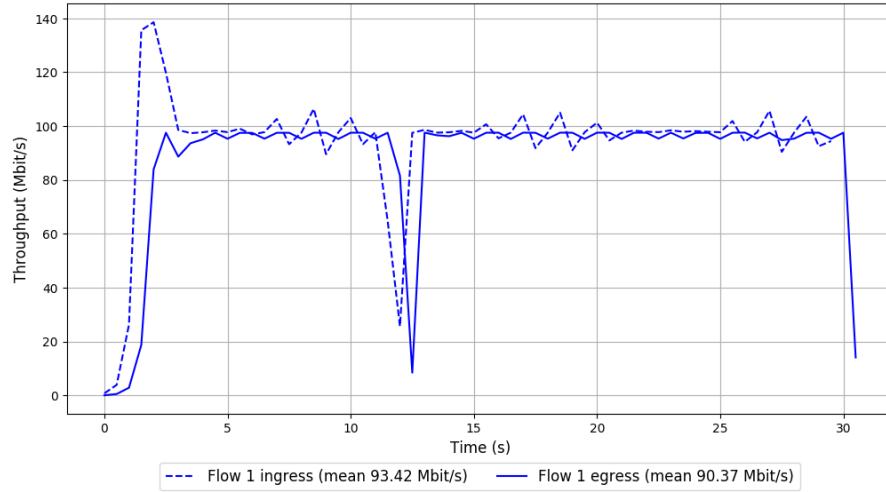


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-21 06:48:21
End at: 2019-01-21 06:48:51
Local clock offset: -6.764 ms
Remote clock offset: 7.598 ms

# Below is generated by plot.py at 2019-01-21 06:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 117.566 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 117.566 ms
Loss rate: 3.26%
```

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

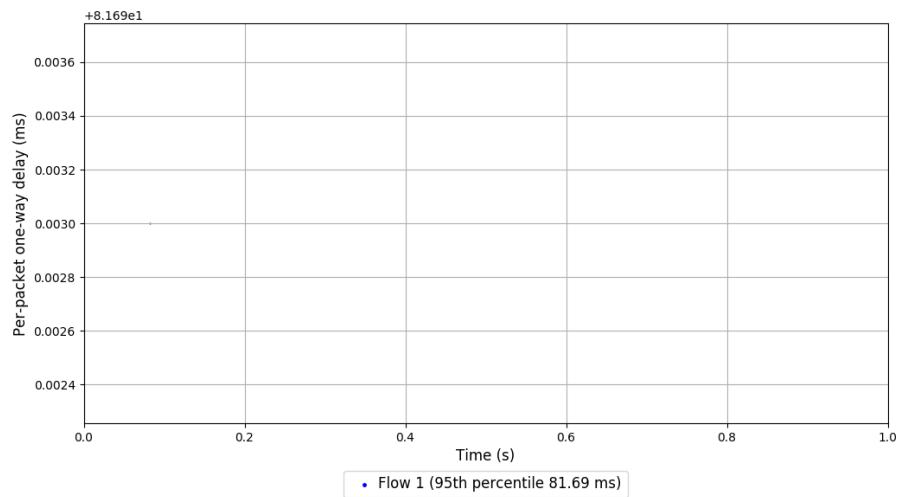
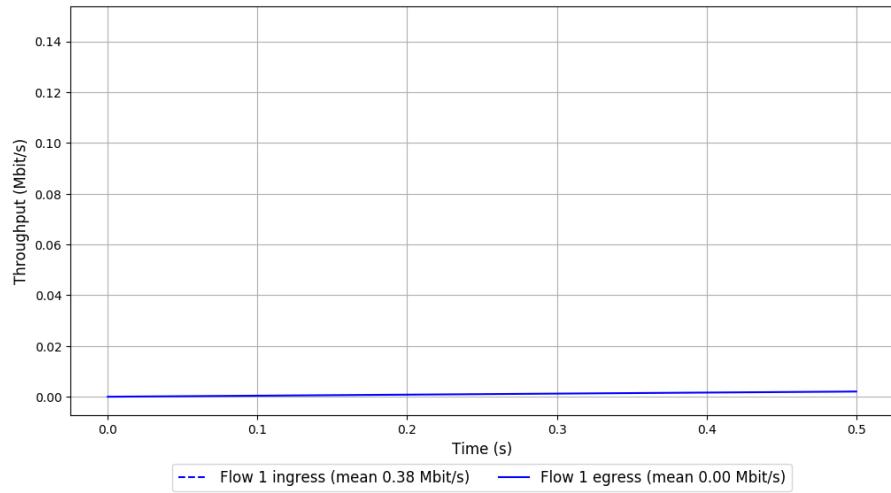
Start at: 2019-01-21 05:12:08

End at: 2019-01-21 05:12:38

Local clock offset: -7.166 ms

Remote clock offset: 3.626 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

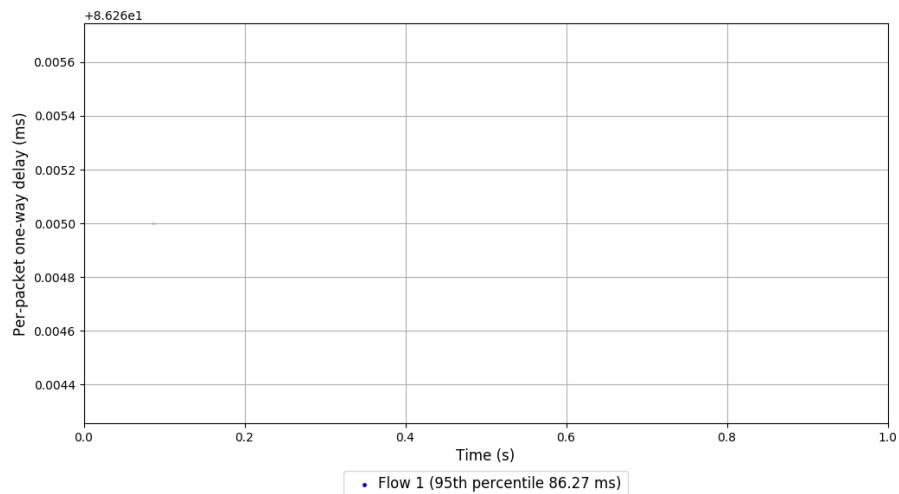
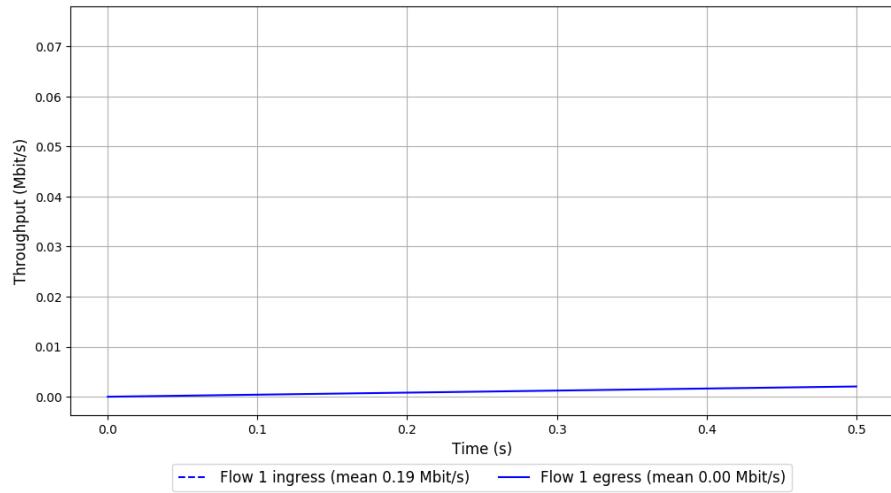
Start at: 2019-01-21 05:36:49

End at: 2019-01-21 05:37:19

Local clock offset: -1.94 ms

Remote clock offset: 6.636 ms

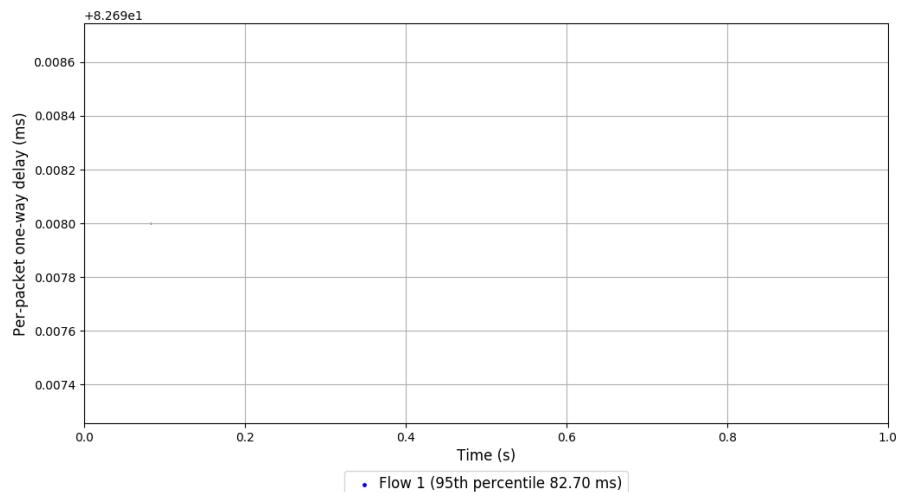
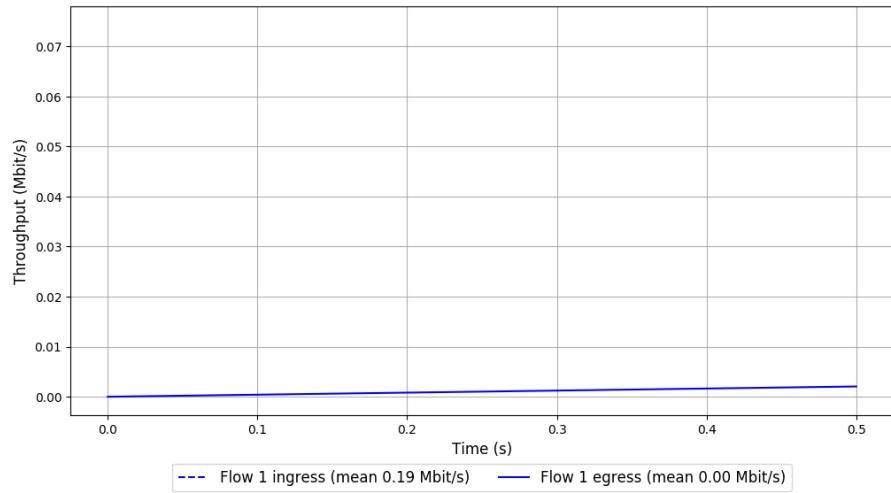
Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-01-21 06:01:27
End at: 2019-01-21 06:01:57
Local clock offset: -5.538 ms
Remote clock offset: 3.329 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

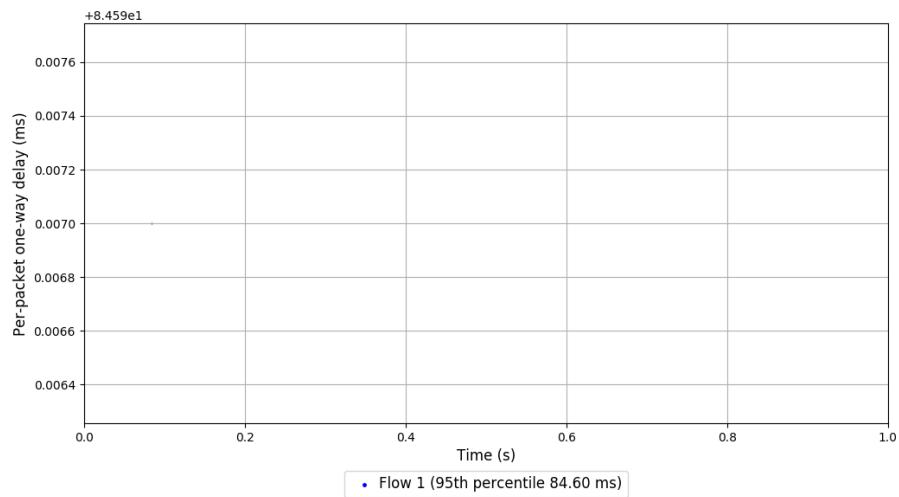
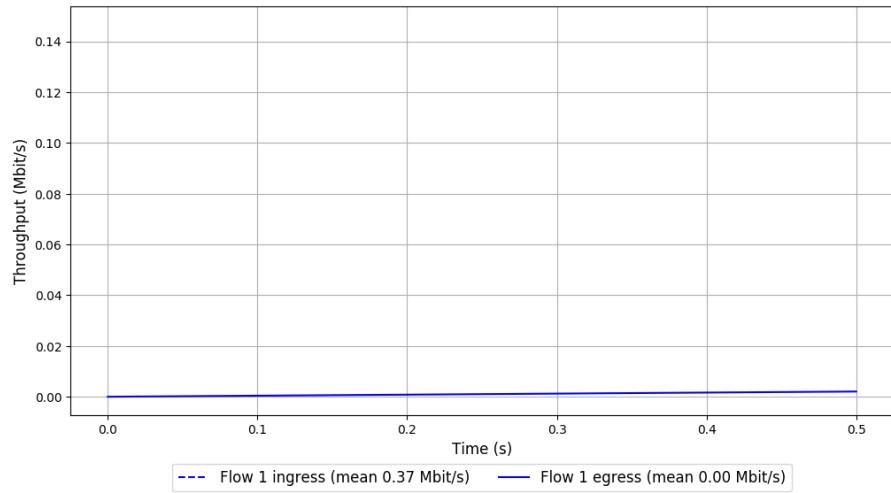
Start at: 2019-01-21 06:26:06

End at: 2019-01-21 06:26:36

Local clock offset: -6.512 ms

Remote clock offset: 7.108 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

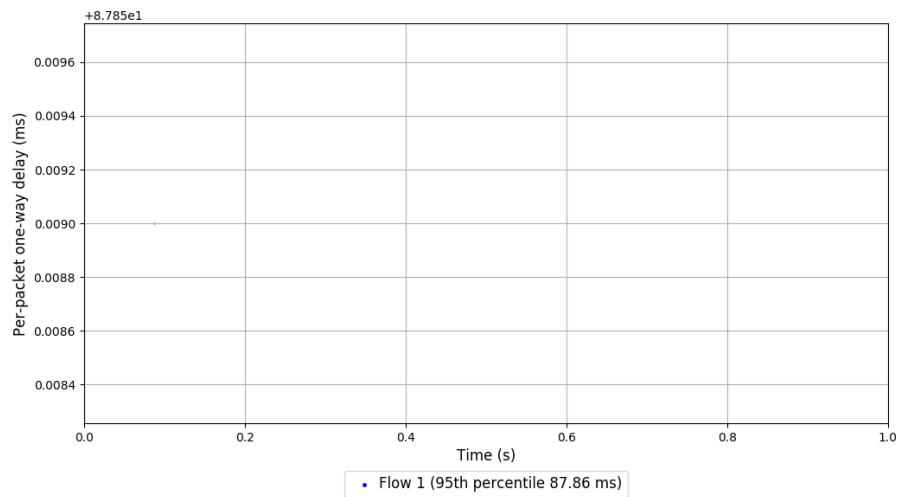
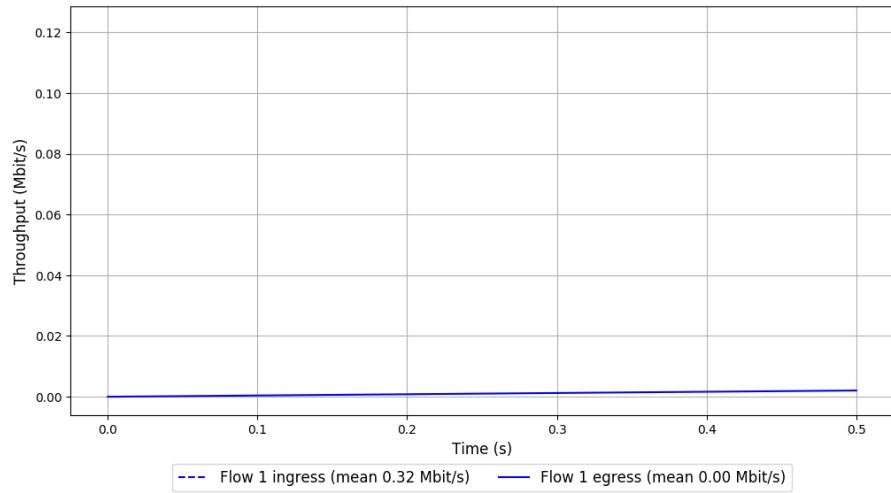
Start at: 2019-01-21 06:50:45

End at: 2019-01-21 06:51:15

Local clock offset: -6.747 ms

Remote clock offset: 6.904 ms

Run 5: Report of Copa — Data Link

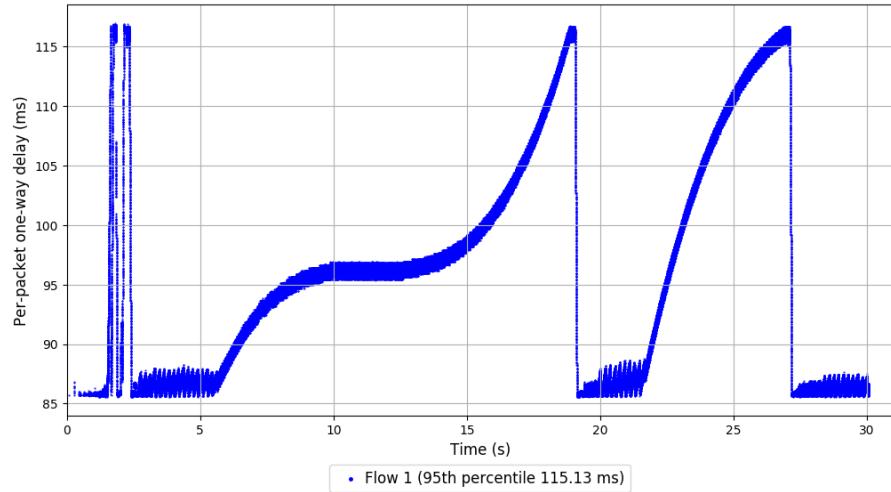
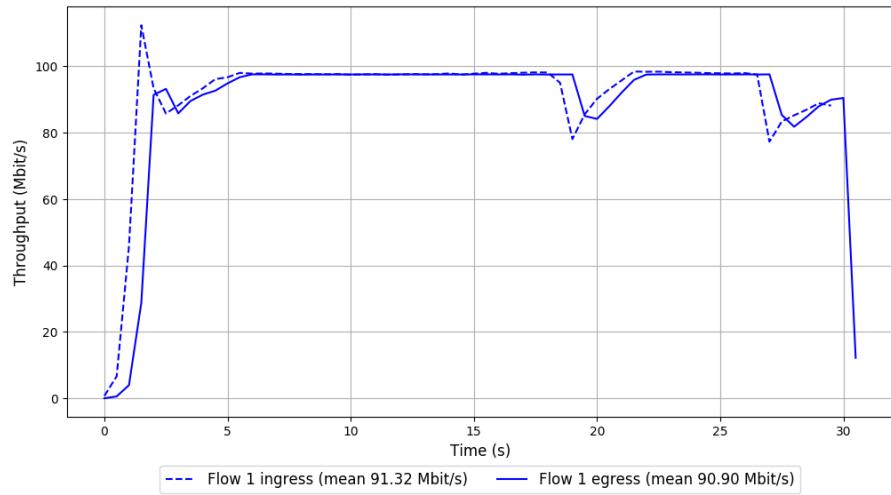


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-21 05:01:32
End at: 2019-01-21 05:02:02
Local clock offset: -6.893 ms
Remote clock offset: 7.083 ms

# Below is generated by plot.py at 2019-01-21 06:58:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 115.131 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 115.131 ms
Loss rate: 0.45%
```

Run 1: Report of TCP Cubic — Data Link

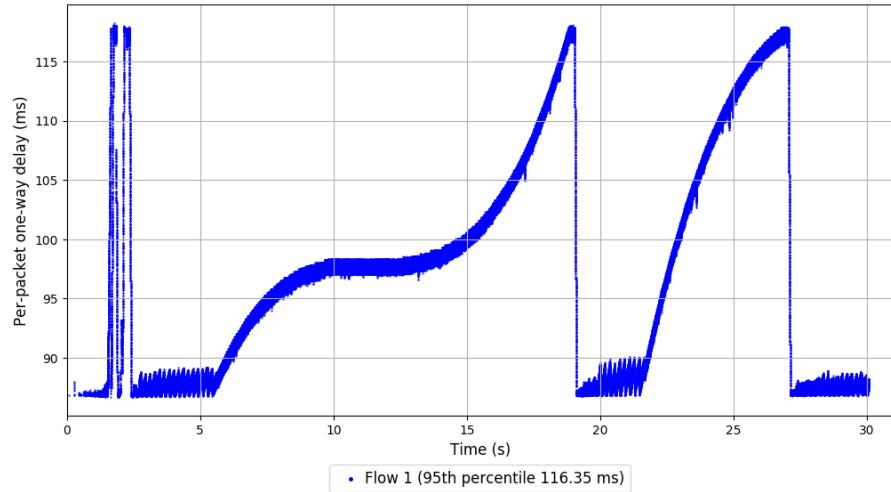
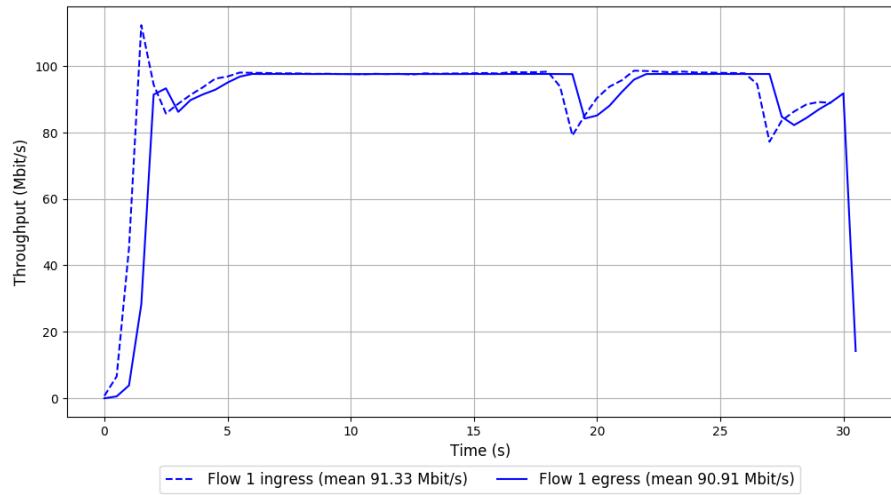


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-21 05:26:11
End at: 2019-01-21 05:26:41
Local clock offset: -3.745 ms
Remote clock offset: 6.867 ms

# Below is generated by plot.py at 2019-01-21 06:58:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 116.347 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 116.347 ms
Loss rate: 0.46%
```

Run 2: Report of TCP Cubic — Data Link

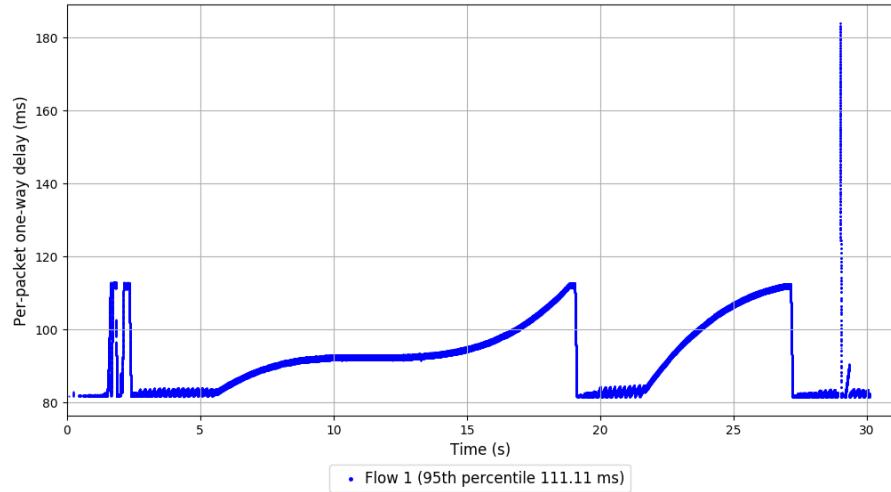
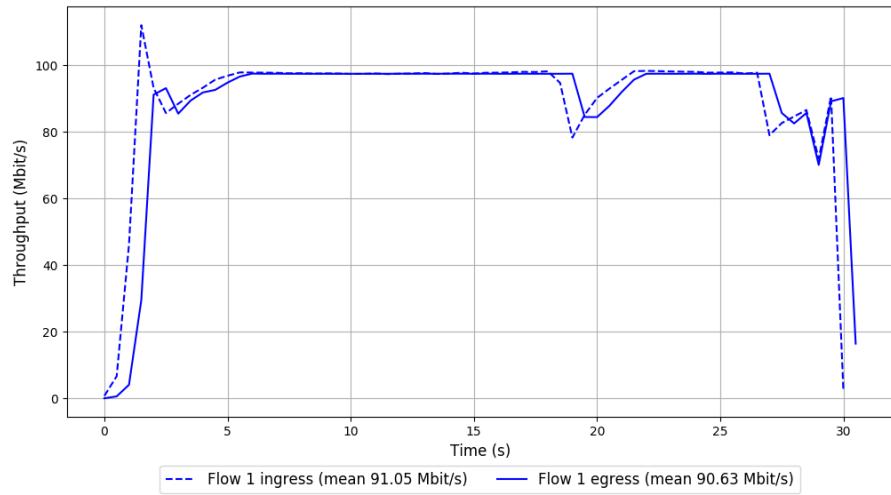


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-21 05:50:50
End at: 2019-01-21 05:51:20
Local clock offset: -2.367 ms
Remote clock offset: 3.207 ms

# Below is generated by plot.py at 2019-01-21 06:58:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 111.106 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 111.106 ms
Loss rate: 0.46%
```

Run 3: Report of TCP Cubic — Data Link

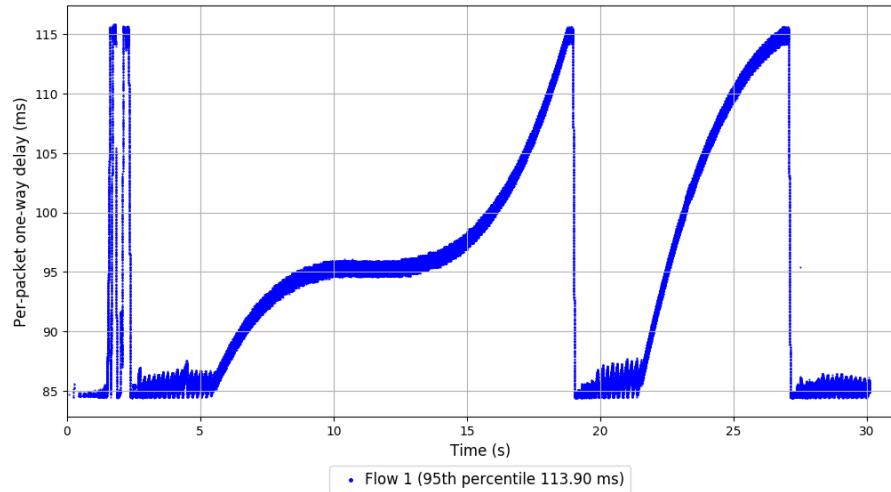
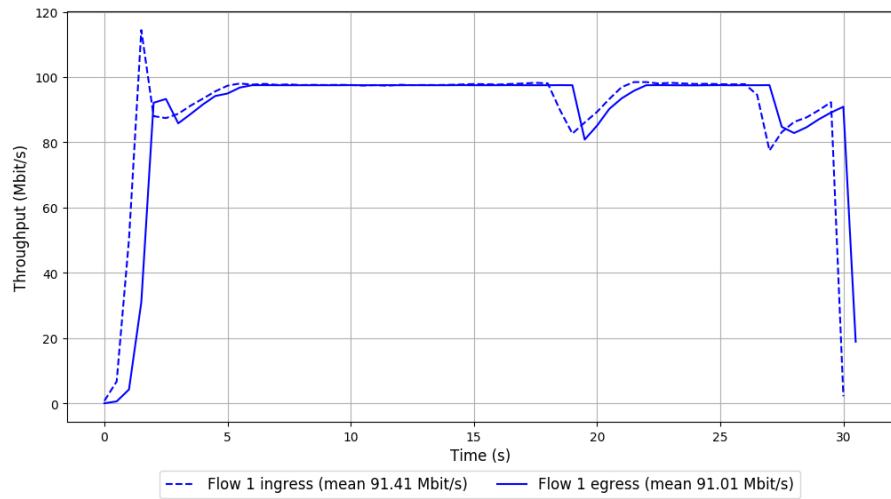


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-21 06:15:29
End at: 2019-01-21 06:15:59
Local clock offset: -6.603 ms
Remote clock offset: 6.743 ms

# Below is generated by plot.py at 2019-01-21 06:59:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 113.897 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 113.897 ms
Loss rate: 0.44%
```

Run 4: Report of TCP Cubic — Data Link

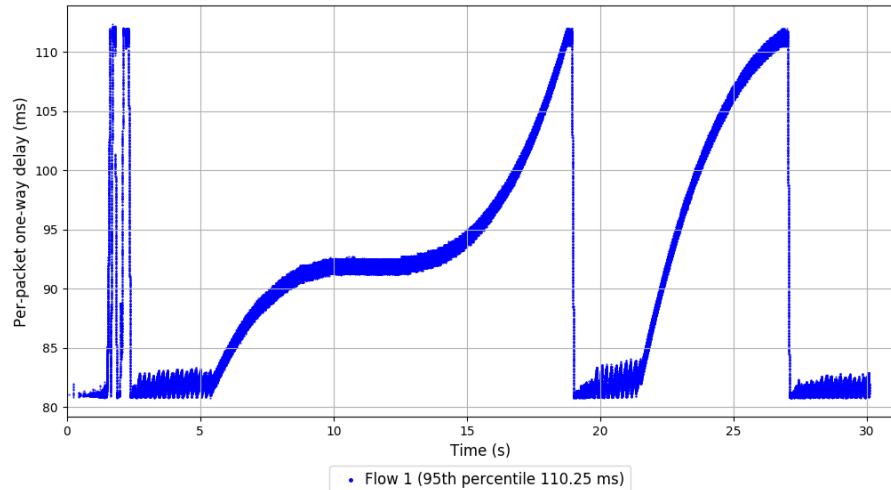
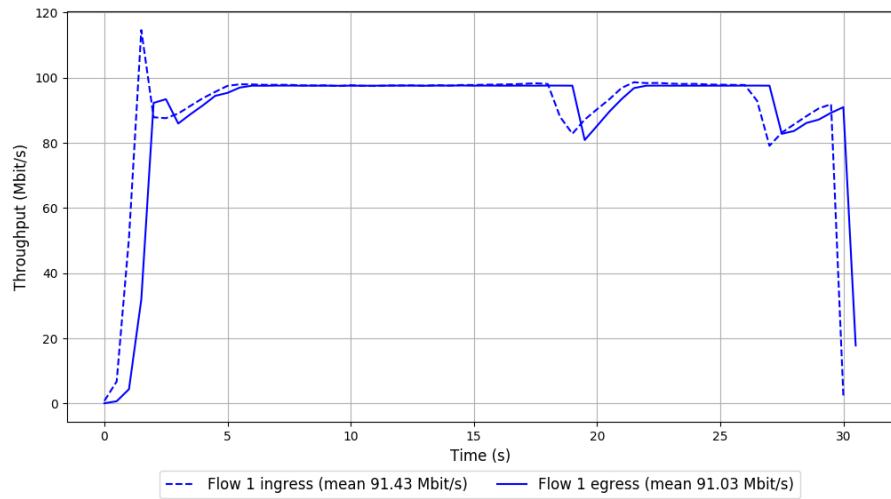


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-21 06:40:08
End at: 2019-01-21 06:40:38
Local clock offset: -6.731 ms
Remote clock offset: 3.439 ms

# Below is generated by plot.py at 2019-01-21 06:59:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 110.245 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 110.245 ms
Loss rate: 0.44%
```

Run 5: Report of TCP Cubic — Data Link

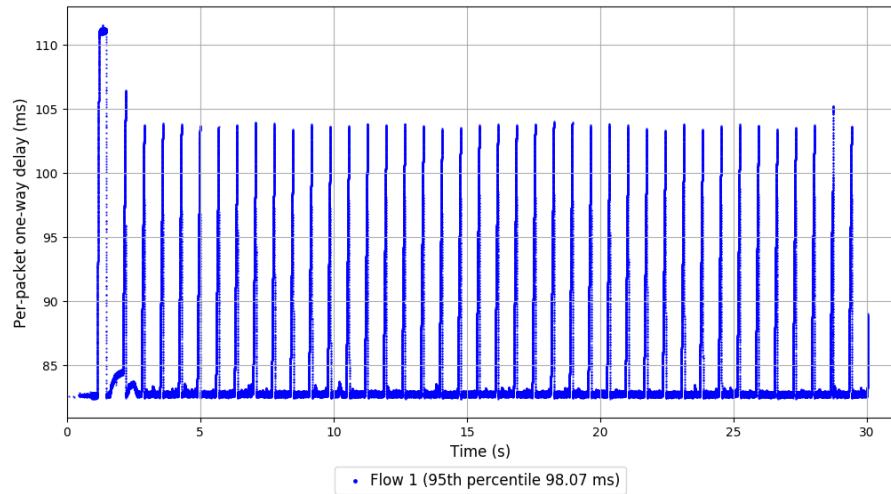
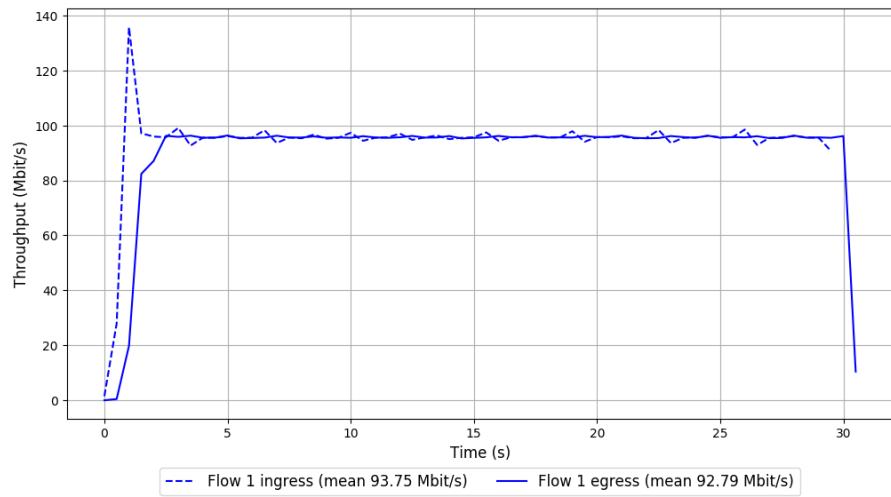


Run 1: Statistics of FillP

```
Start at: 2019-01-21 05:14:24
End at: 2019-01-21 05:14:54
Local clock offset: -7.149 ms
Remote clock offset: 2.869 ms

# Below is generated by plot.py at 2019-01-21 06:59:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 98.070 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 98.070 ms
Loss rate: 1.00%
```

Run 1: Report of FillP — Data Link

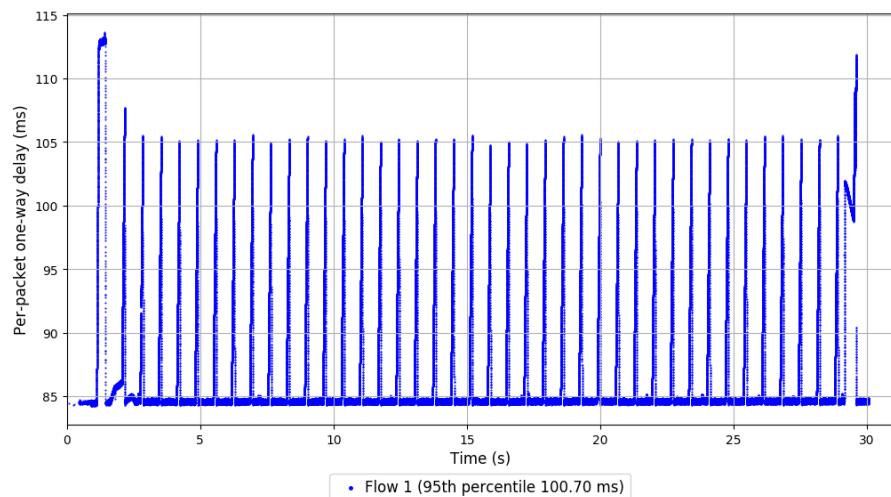
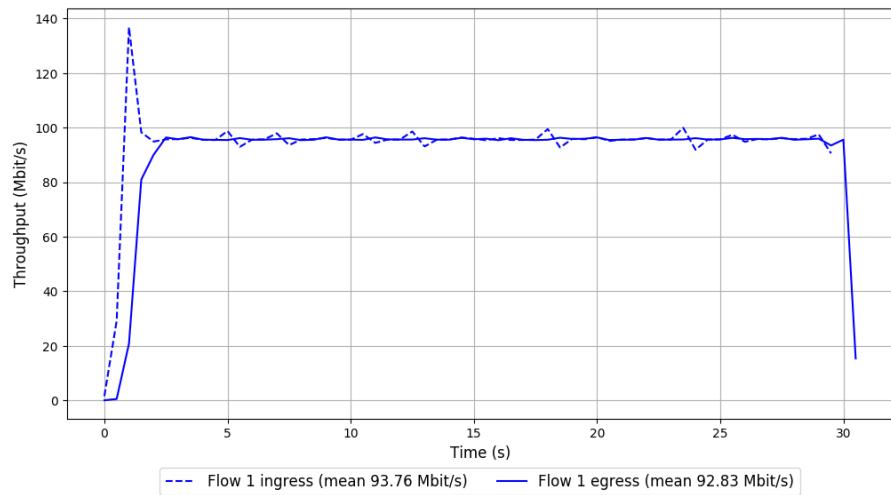


Run 2: Statistics of FillP

```
Start at: 2019-01-21 05:39:05
End at: 2019-01-21 05:39:35
Local clock offset: -1.717 ms
Remote clock offset: 6.603 ms

# Below is generated by plot.py at 2019-01-21 06:59:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 100.698 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 100.698 ms
Loss rate: 0.99%
```

Run 2: Report of FillP — Data Link

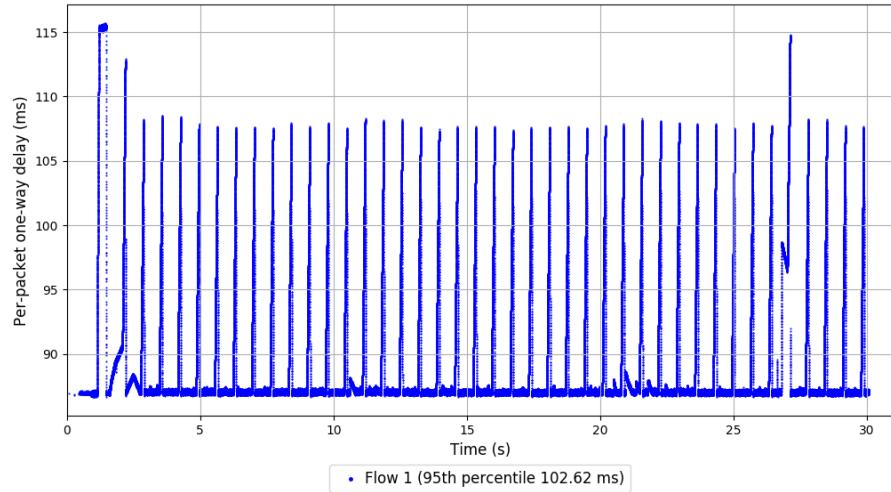
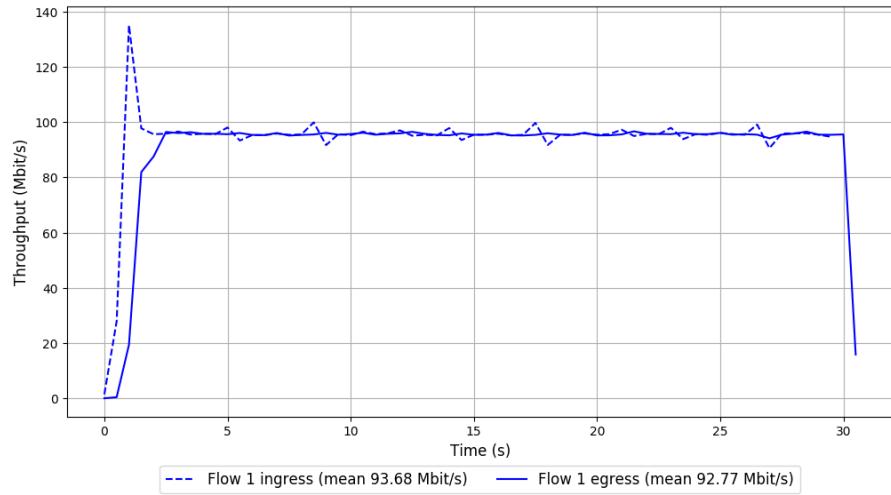


Run 3: Statistics of FillP

```
Start at: 2019-01-21 06:03:44
End at: 2019-01-21 06:04:14
Local clock offset: -5.788 ms
Remote clock offset: 7.567 ms

# Below is generated by plot.py at 2019-01-21 06:59:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 102.616 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 102.616 ms
Loss rate: 0.98%
```

Run 3: Report of FillP — Data Link

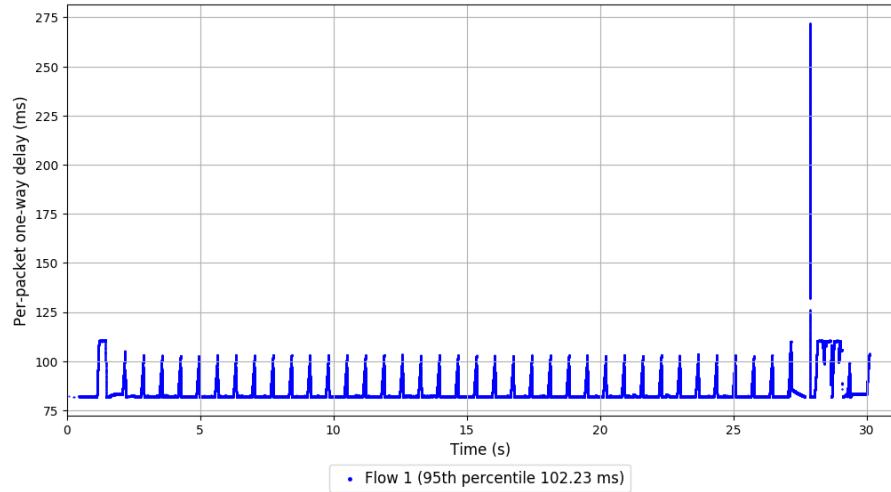
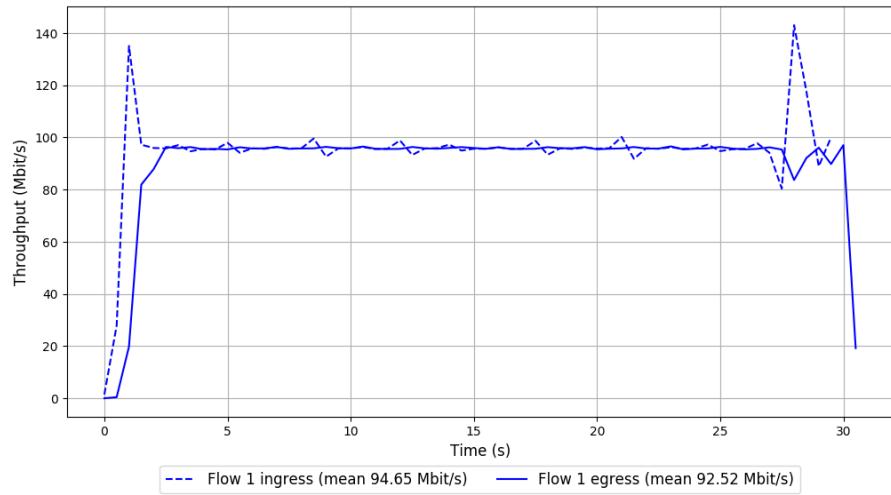


Run 4: Statistics of FillP

```
Start at: 2019-01-21 06:28:23
End at: 2019-01-21 06:28:53
Local clock offset: -5.757 ms
Remote clock offset: 3.154 ms

# Below is generated by plot.py at 2019-01-21 06:59:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 102.229 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 102.229 ms
Loss rate: 2.17%
```

Run 4: Report of FillP — Data Link

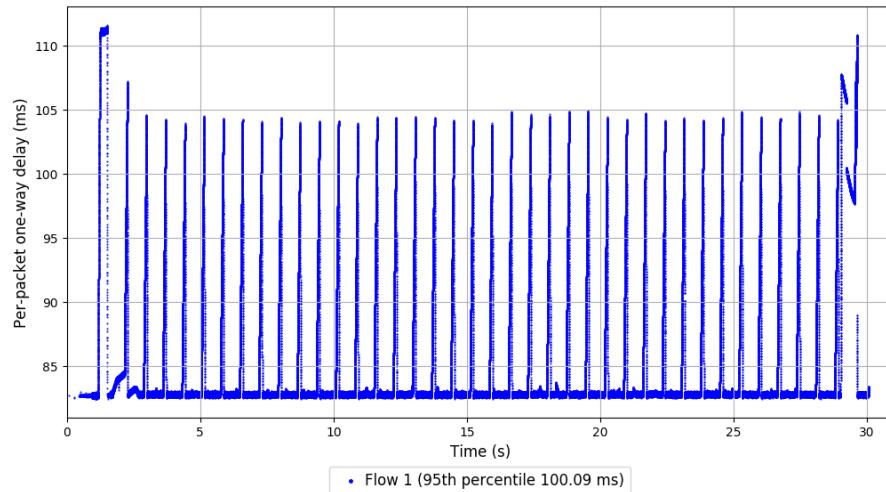
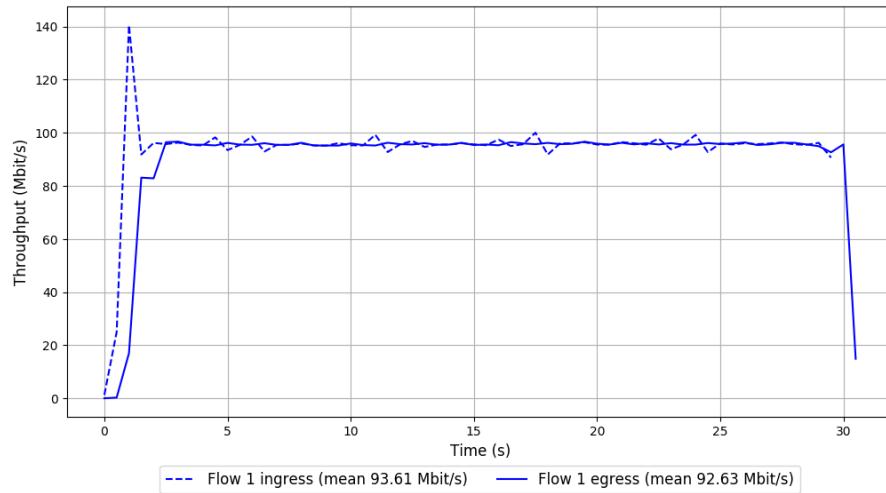


Run 5: Statistics of FillP

```
Start at: 2019-01-21 06:53:01
End at: 2019-01-21 06:53:31
Local clock offset: -5.91 ms
Remote clock offset: 4.171 ms

# Below is generated by plot.py at 2019-01-21 06:59:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 100.086 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 100.086 ms
Loss rate: 1.05%
```

Run 5: Report of FillP — Data Link

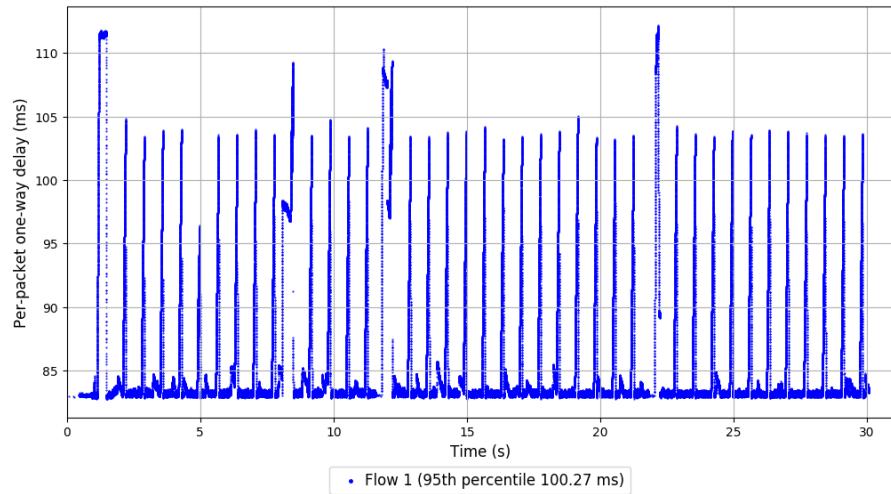
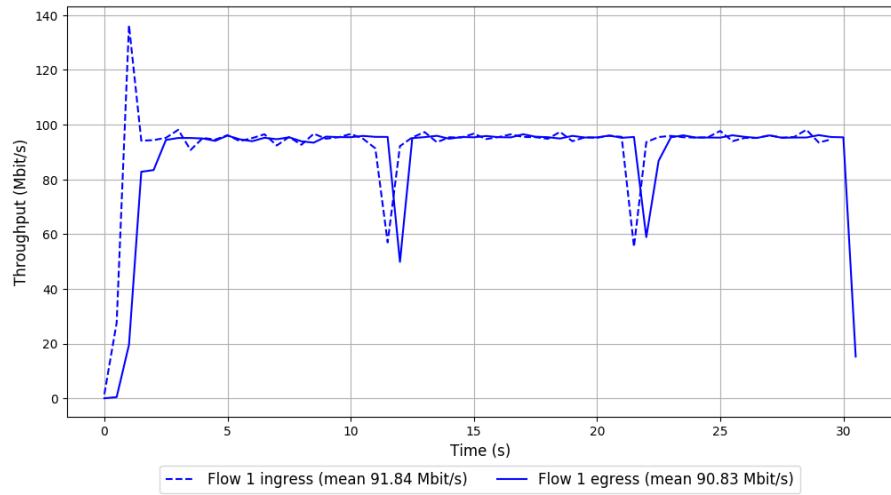


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-21 05:03:51
End at: 2019-01-21 05:04:21
Local clock offset: -6.928 ms
Remote clock offset: 3.516 ms

# Below is generated by plot.py at 2019-01-21 06:59:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.83 Mbit/s
95th percentile per-packet one-way delay: 100.266 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 90.83 Mbit/s
95th percentile per-packet one-way delay: 100.266 ms
Loss rate: 1.10%
```

Run 1: Report of FillP-Sheep — Data Link

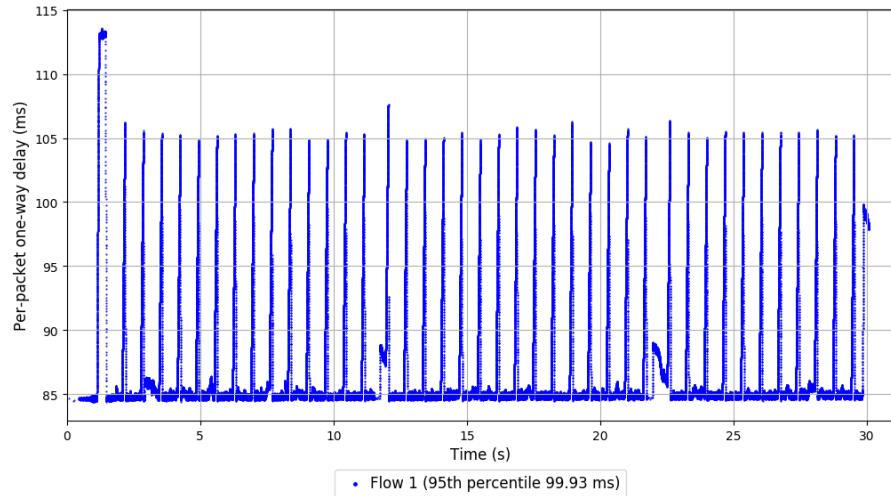
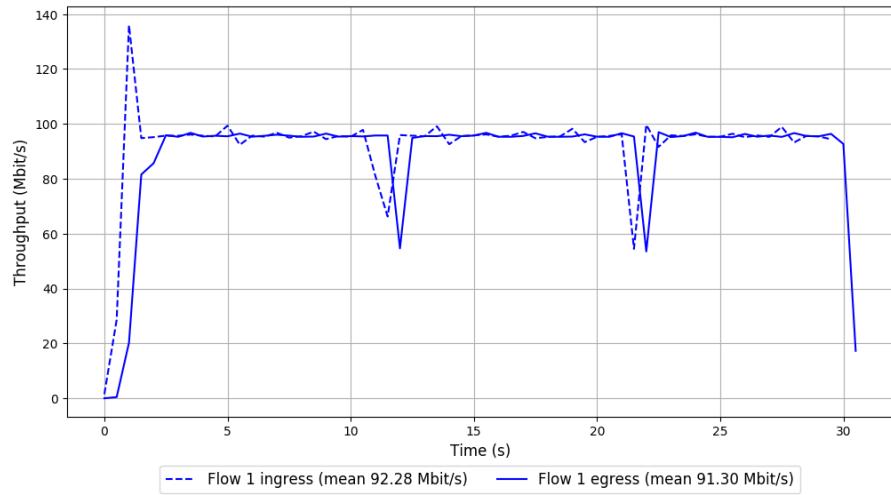


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-21 05:28:30
End at: 2019-01-21 05:29:00
Local clock offset: -2.43 ms
Remote clock offset: 6.954 ms

# Below is generated by plot.py at 2019-01-21 07:00:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.30 Mbit/s
95th percentile per-packet one-way delay: 99.931 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 91.30 Mbit/s
95th percentile per-packet one-way delay: 99.931 ms
Loss rate: 1.01%
```

Run 2: Report of FillP-Sheep — Data Link

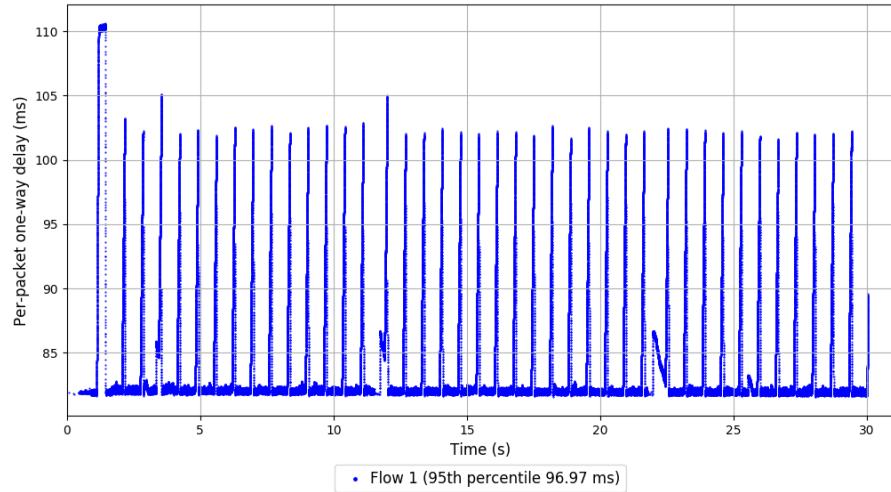
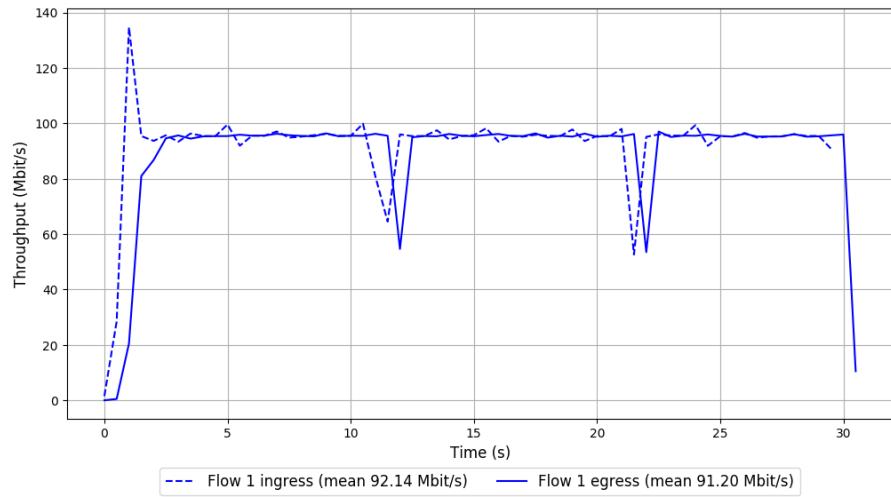


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-21 05:53:10
End at: 2019-01-21 05:53:40
Local clock offset: -3.97 ms
Remote clock offset: 3.537 ms

# Below is generated by plot.py at 2019-01-21 07:00:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 96.967 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 96.967 ms
Loss rate: 0.99%
```

Run 3: Report of FillP-Sheep — Data Link

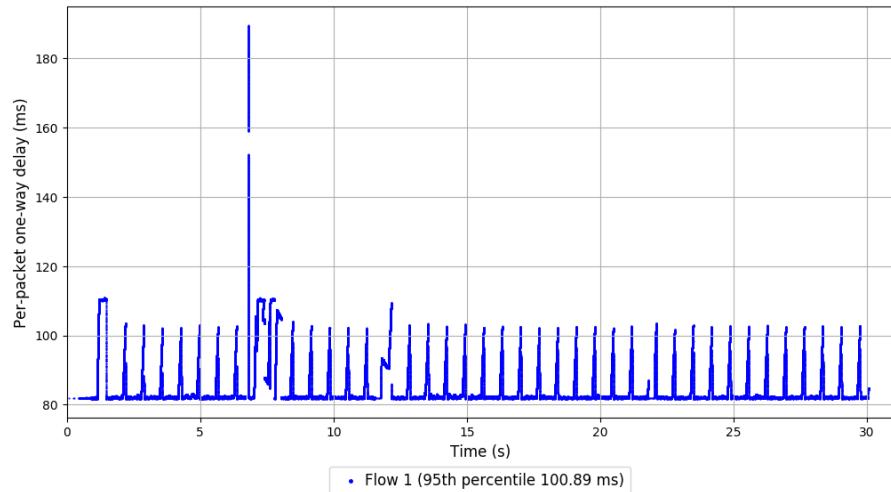
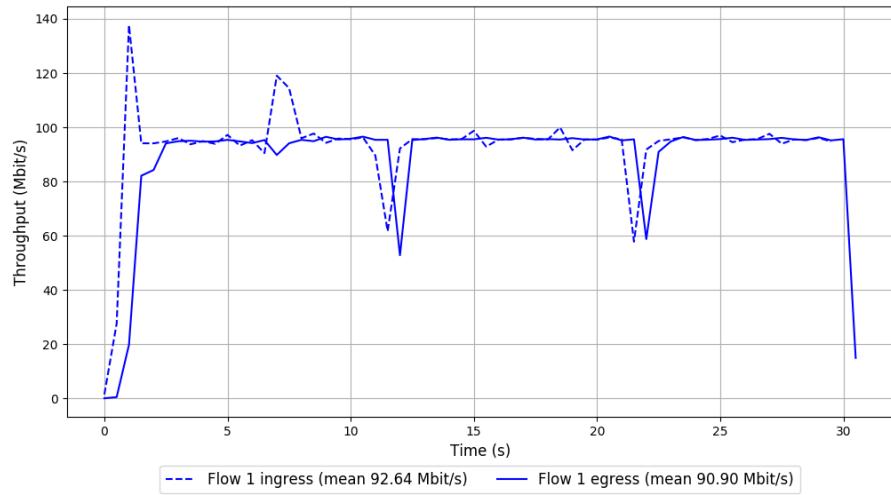


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-21 06:17:48
End at: 2019-01-21 06:18:18
Local clock offset: -5.726 ms
Remote clock offset: 3.337 ms

# Below is generated by plot.py at 2019-01-21 07:00:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 100.889 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 100.889 ms
Loss rate: 1.87%
```

Run 4: Report of FillP-Sheep — Data Link

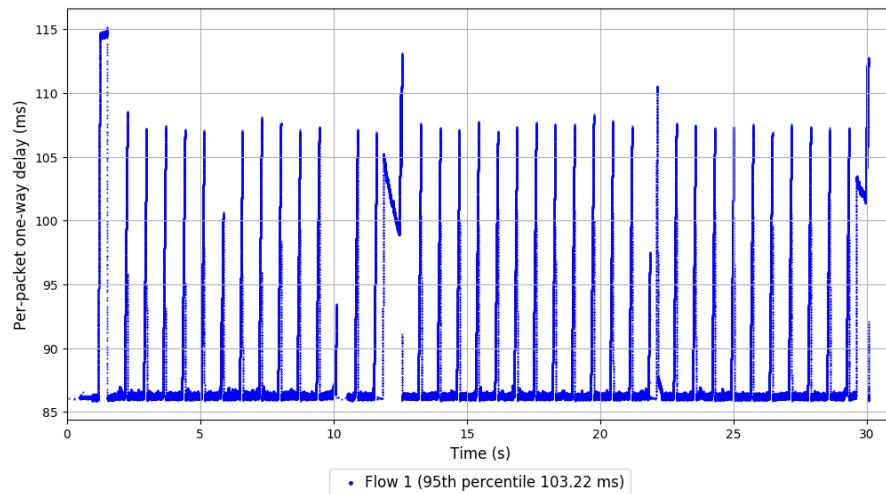
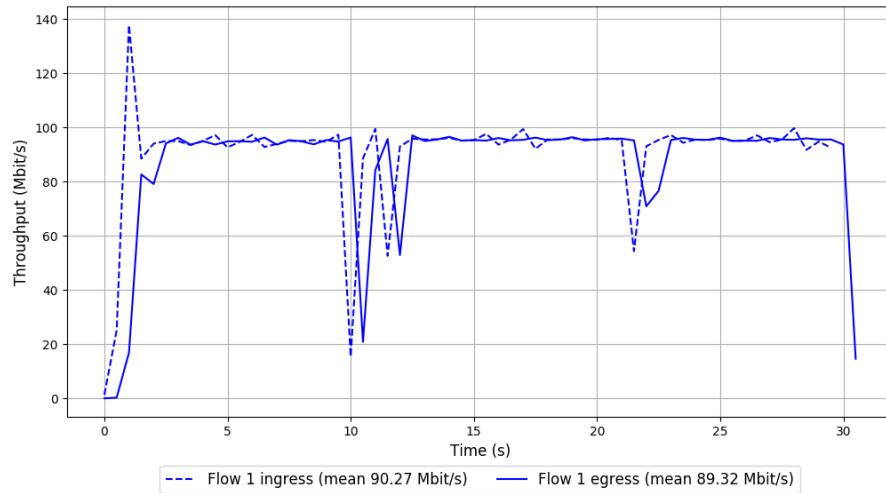


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-21 06:42:27
End at: 2019-01-21 06:42:57
Local clock offset: -5.869 ms
Remote clock offset: 7.341 ms

# Below is generated by plot.py at 2019-01-21 07:00:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 103.218 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 103.218 ms
Loss rate: 1.05%
```

Run 5: Report of FillP-Sheep — Data Link

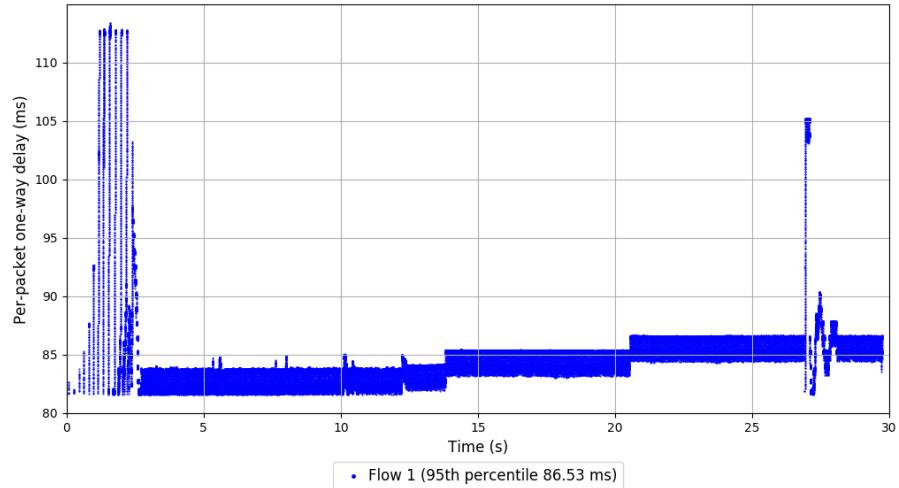
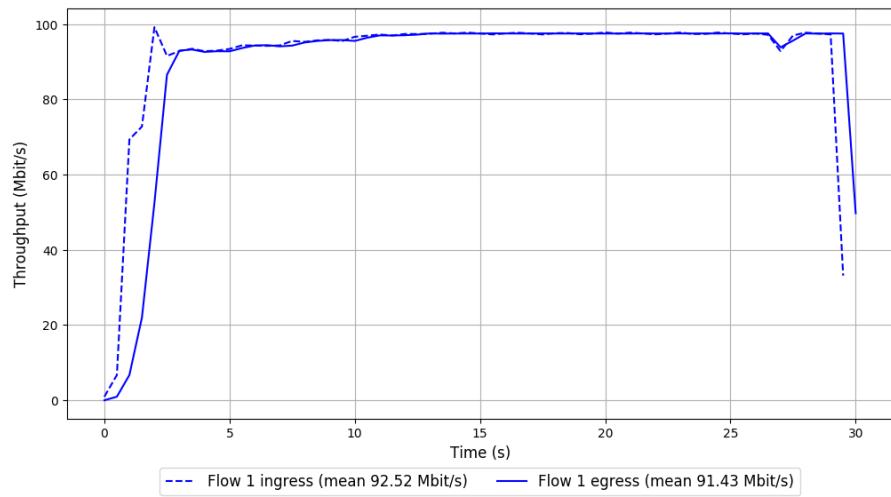


Run 1: Statistics of Indigo

```
Start at: 2019-01-21 04:55:36
End at: 2019-01-21 04:56:07
Local clock offset: -7.73 ms
Remote clock offset: 3.401 ms

# Below is generated by plot.py at 2019-01-21 07:00:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 86.528 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 86.528 ms
Loss rate: 1.16%
```

Run 1: Report of Indigo — Data Link

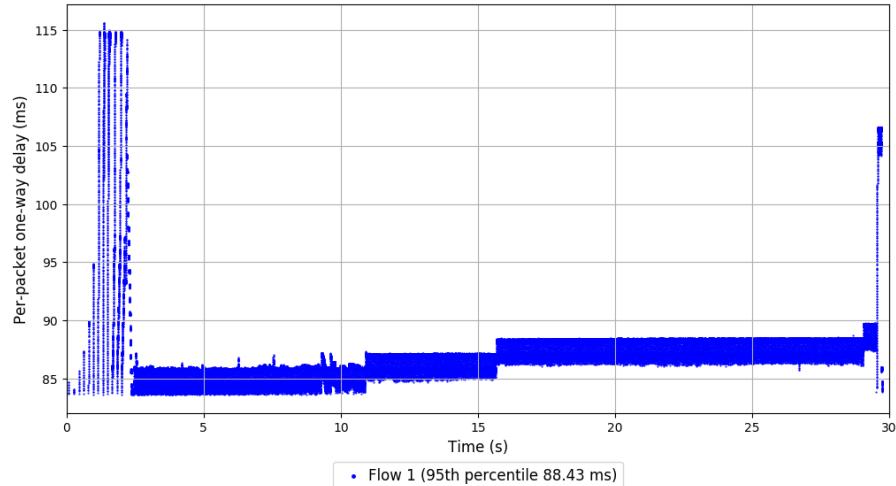
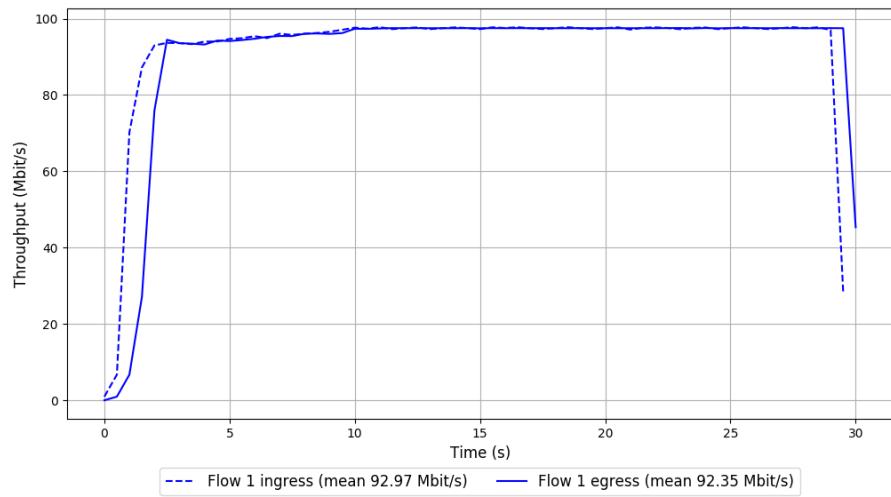


Run 2: Statistics of Indigo

```
Start at: 2019-01-21 05:20:15
End at: 2019-01-21 05:20:45
Local clock offset: -4.964 ms
Remote clock offset: 6.663 ms

# Below is generated by plot.py at 2019-01-21 07:00:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 88.428 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 88.428 ms
Loss rate: 0.67%
```

Run 2: Report of Indigo — Data Link

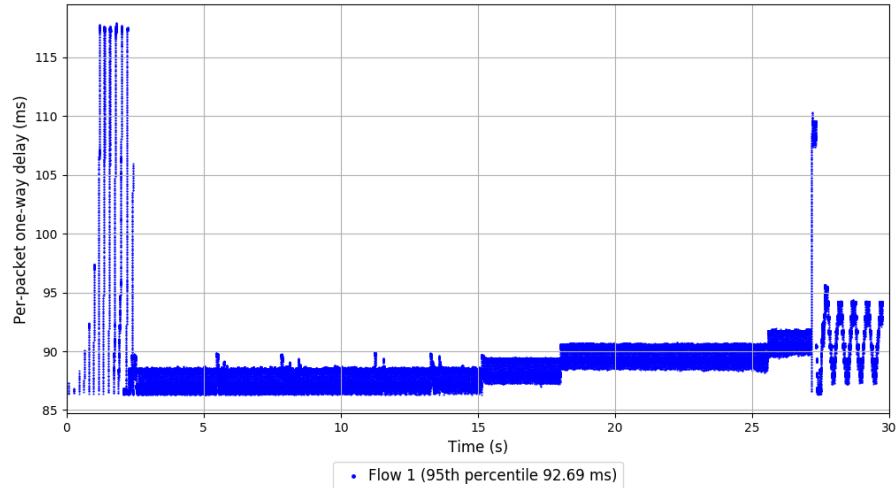
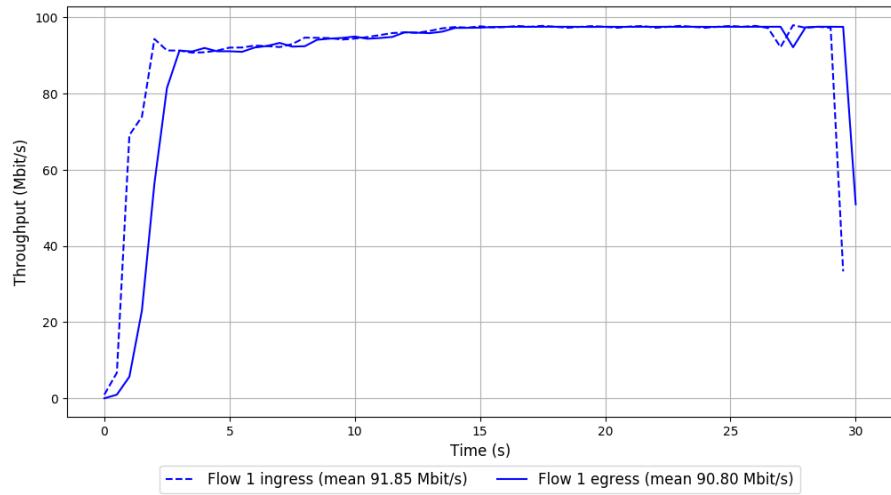


Run 3: Statistics of Indigo

```
Start at: 2019-01-21 05:44:55
End at: 2019-01-21 05:45:25
Local clock offset: -0.387 ms
Remote clock offset: 6.816 ms

# Below is generated by plot.py at 2019-01-21 07:00:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 92.691 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 92.691 ms
Loss rate: 1.12%
```

Run 3: Report of Indigo — Data Link

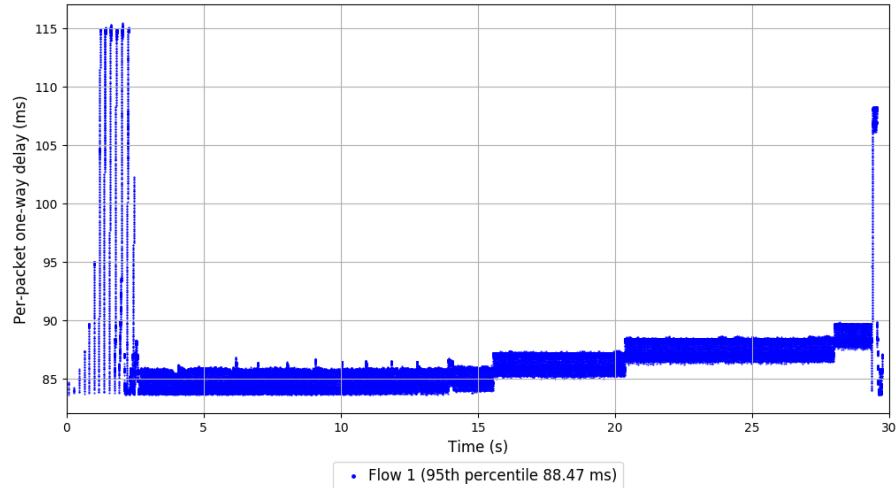
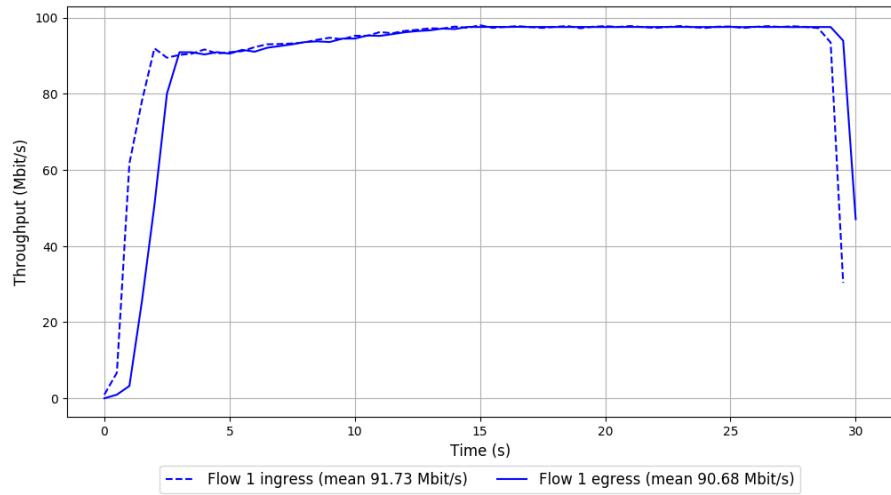


Run 4: Statistics of Indigo

```
Start at: 2019-01-21 06:09:34
End at: 2019-01-21 06:10:04
Local clock offset: -5.419 ms
Remote clock offset: 7.222 ms

# Below is generated by plot.py at 2019-01-21 07:00:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 88.465 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 88.465 ms
Loss rate: 1.14%
```

Run 4: Report of Indigo — Data Link

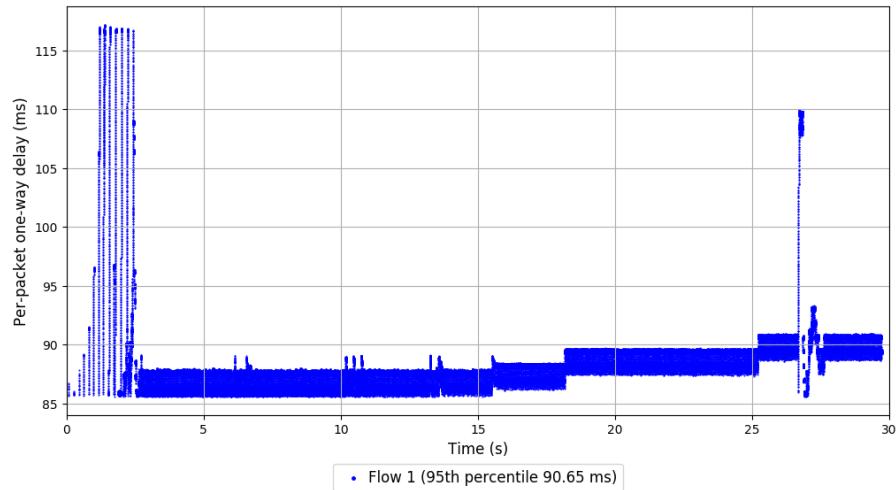
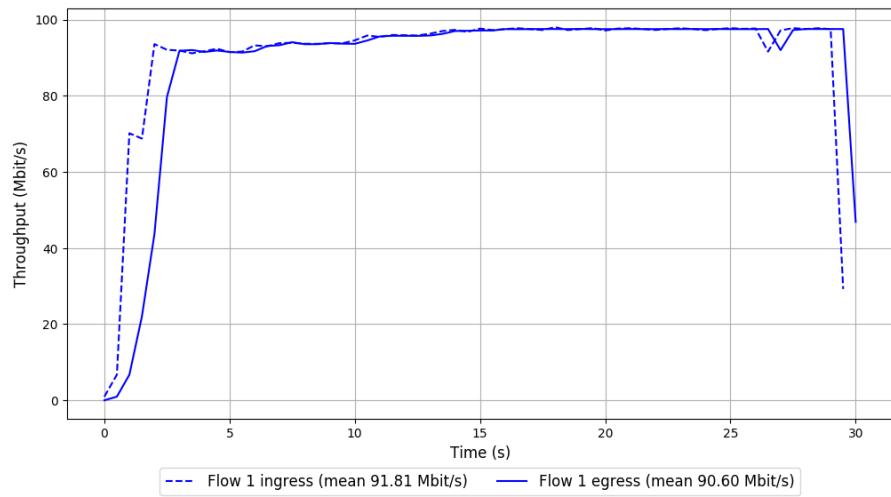


Run 5: Statistics of Indigo

```
Start at: 2019-01-21 06:34:12
End at: 2019-01-21 06:34:42
Local clock offset: -5.825 ms
Remote clock offset: 7.087 ms

# Below is generated by plot.py at 2019-01-21 07:01:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 90.652 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 90.652 ms
Loss rate: 1.31%
```

Run 5: Report of Indigo — Data Link

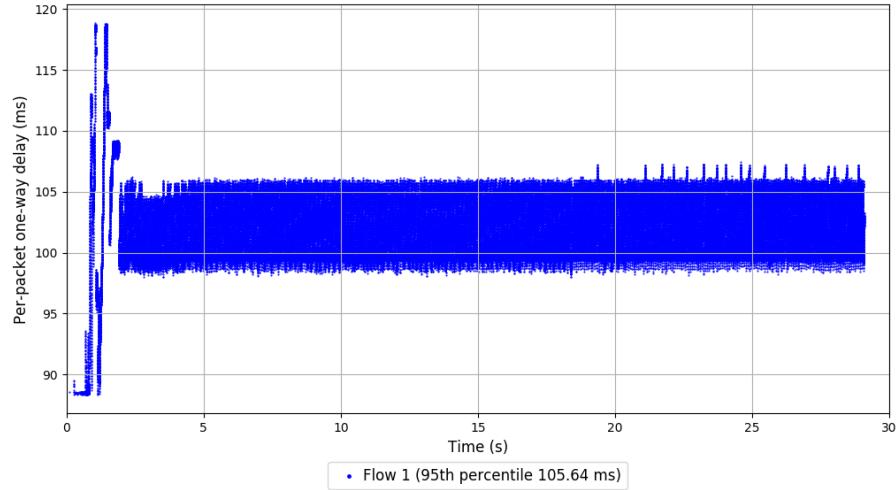
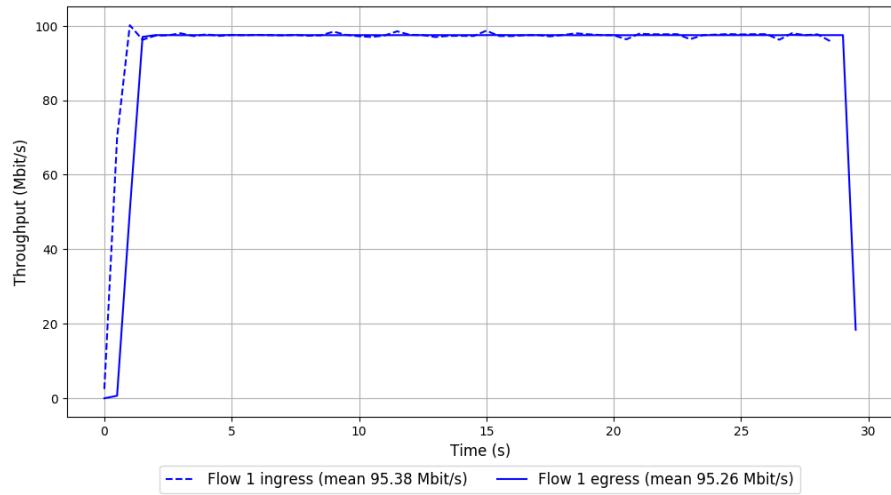


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 04:56:49
End at: 2019-01-21 04:57:20
Local clock offset: -7.719 ms
Remote clock offset: 7.207 ms

# Below is generated by plot.py at 2019-01-21 07:01:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 105.642 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 105.642 ms
Loss rate: 0.07%
```

Run 1: Report of Indigo-MusesC3 — Data Link

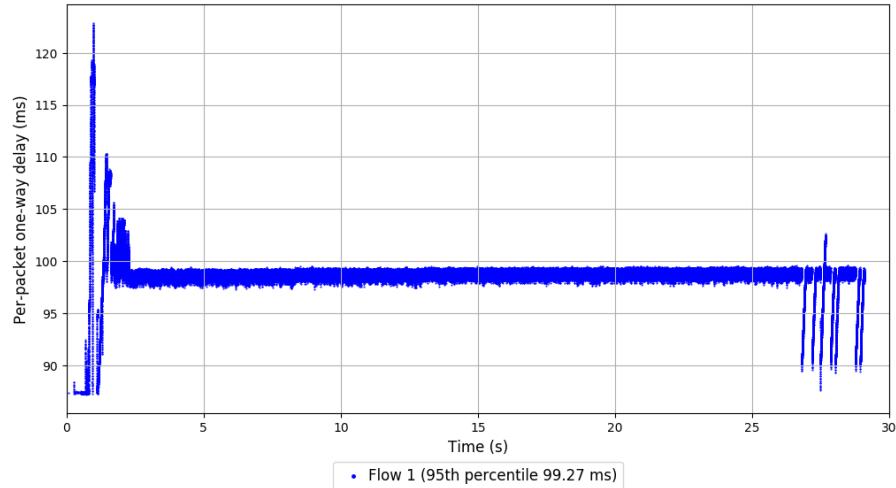
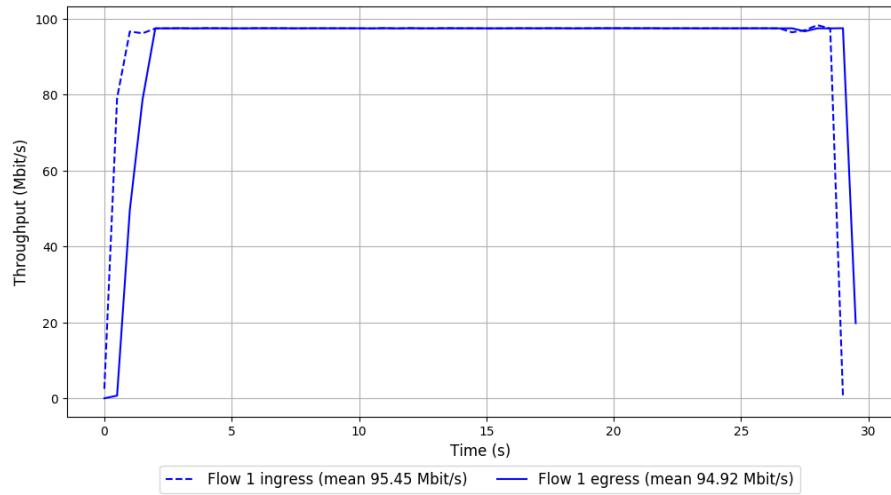


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 05:21:28
End at: 2019-01-21 05:21:58
Local clock offset: -4.513 ms
Remote clock offset: 7.062 ms

# Below is generated by plot.py at 2019-01-21 07:01:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 99.267 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 99.267 ms
Loss rate: 0.52%
```

Run 2: Report of Indigo-MusesC3 — Data Link

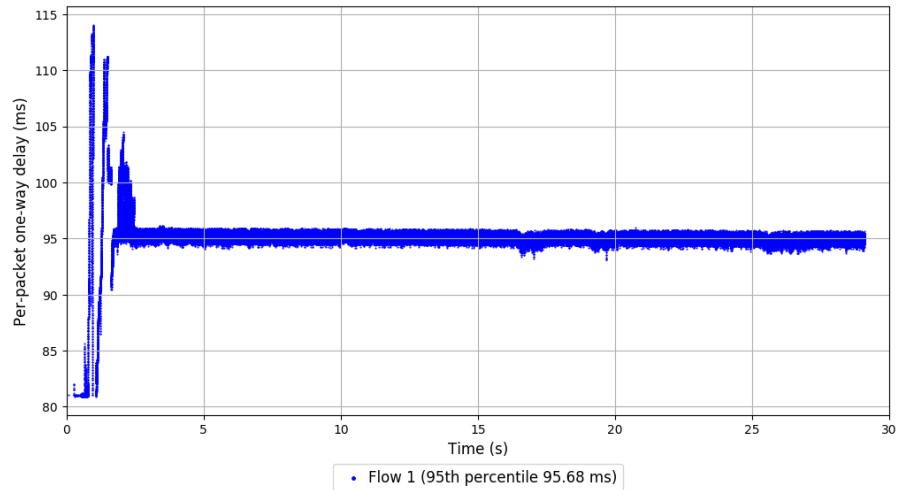
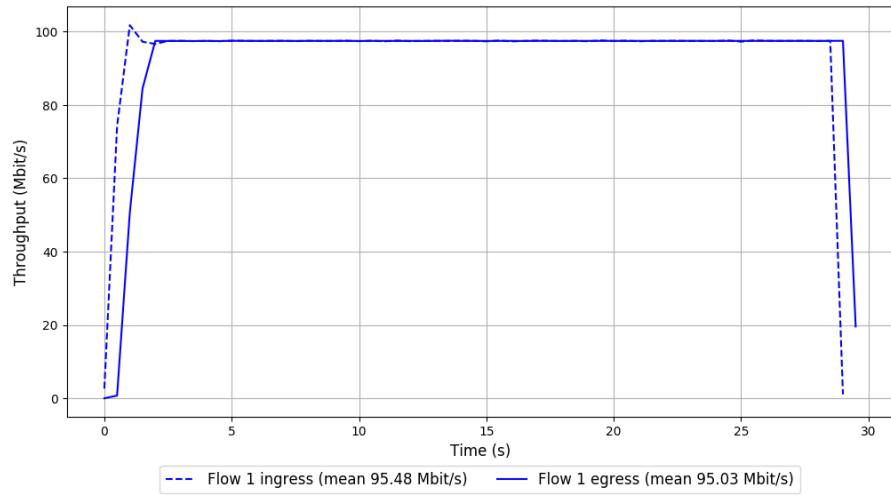


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 05:46:08
End at: 2019-01-21 05:46:38
Local clock offset: -1.135 ms
Remote clock offset: 3.153 ms

# Below is generated by plot.py at 2019-01-21 07:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 95.683 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 95.683 ms
Loss rate: 0.42%
```

Run 3: Report of Indigo-MusesC3 — Data Link

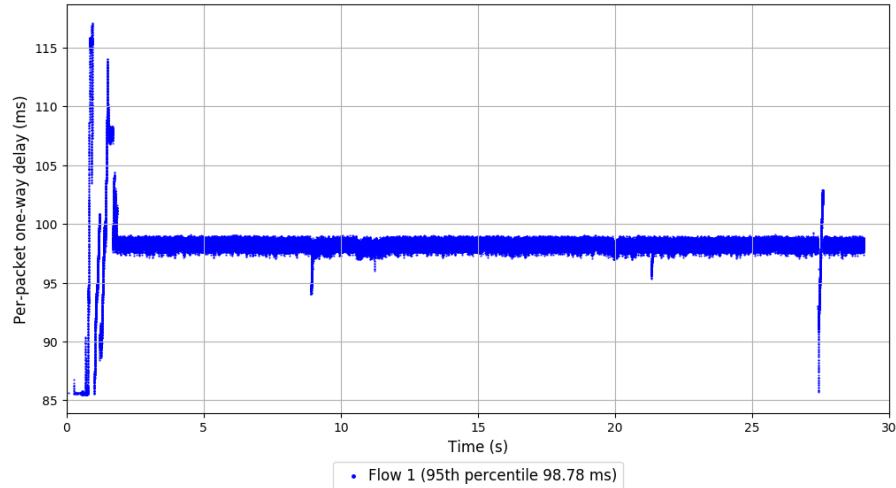
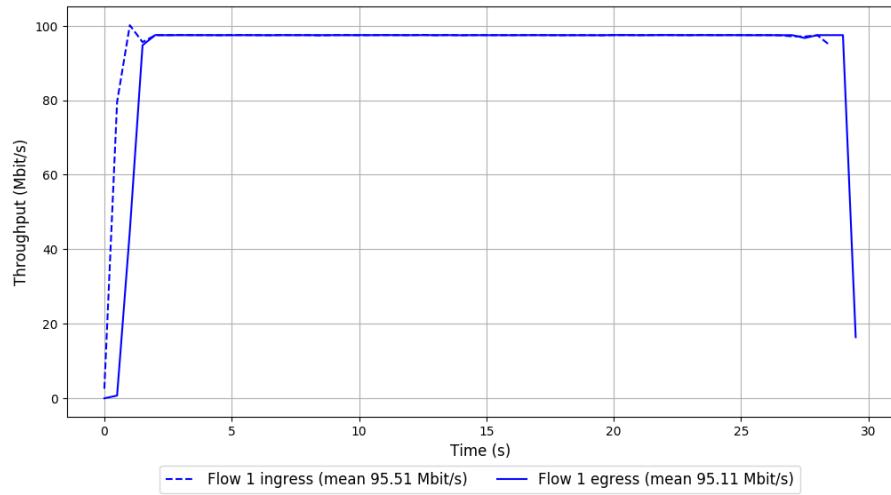


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 06:10:47
End at: 2019-01-21 06:11:17
Local clock offset: -5.542 ms
Remote clock offset: 7.024 ms

# Below is generated by plot.py at 2019-01-21 07:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 98.781 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 98.781 ms
Loss rate: 0.38%
```

Run 4: Report of Indigo-MusesC3 — Data Link

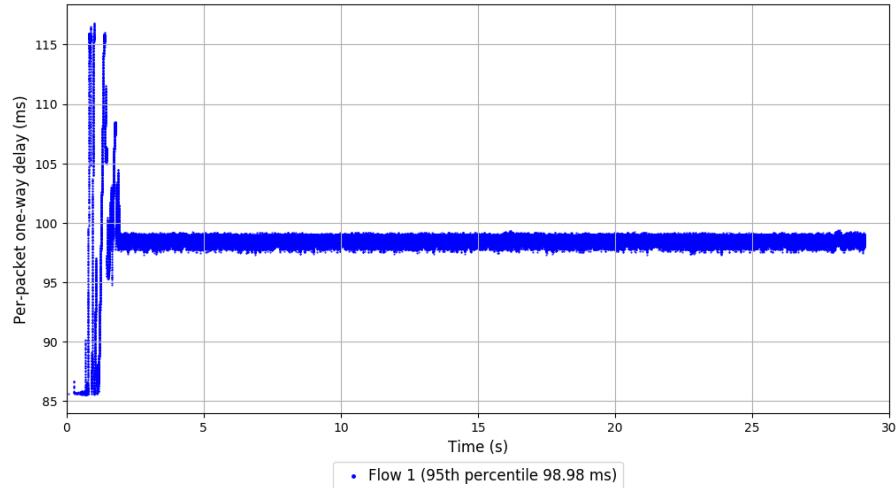
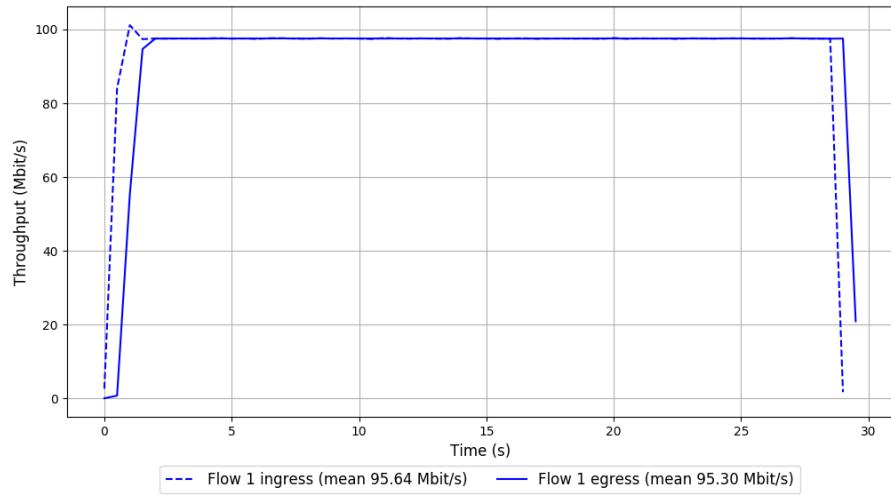


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 06:35:25
End at: 2019-01-21 06:35:55
Local clock offset: -5.775 ms
Remote clock offset: 7.691 ms

# Below is generated by plot.py at 2019-01-21 07:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 98.984 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 98.984 ms
Loss rate: 0.32%
```

Run 5: Report of Indigo-MusesC3 — Data Link

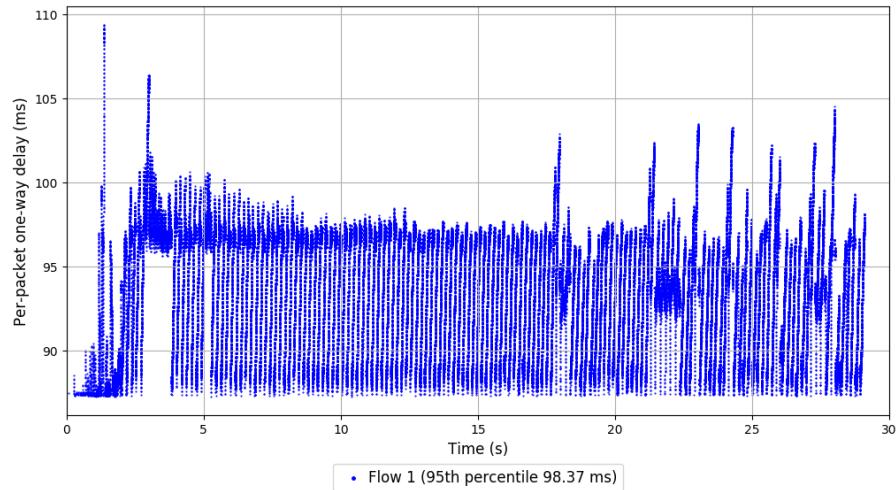
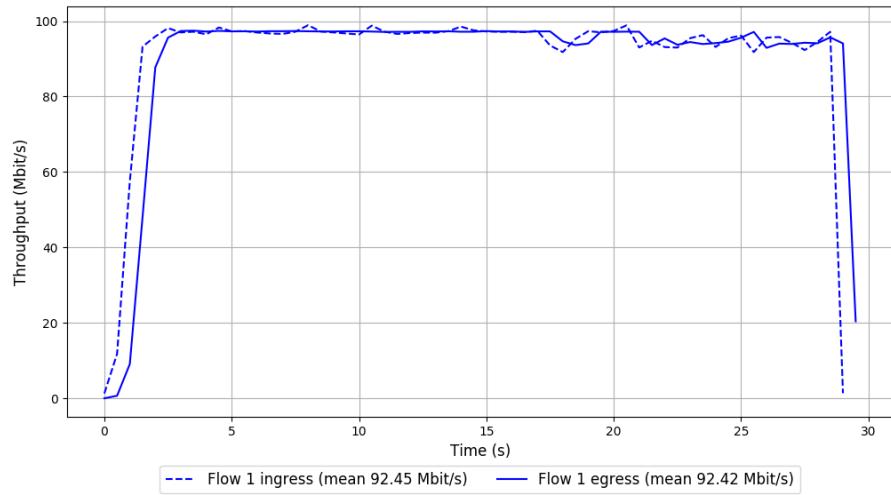


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 04:59:13
End at: 2019-01-21 04:59:43
Local clock offset: -6.959 ms
Remote clock offset: 7.491 ms

# Below is generated by plot.py at 2019-01-21 07:01:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 98.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 98.367 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC5 — Data Link

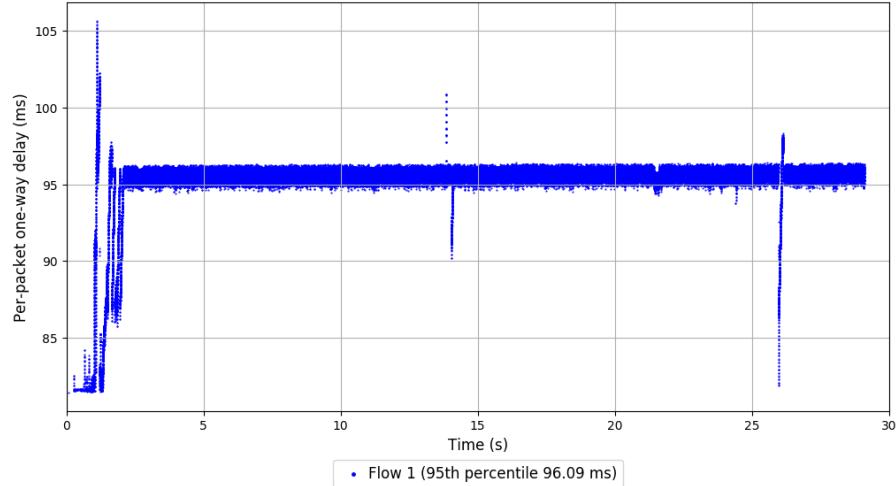
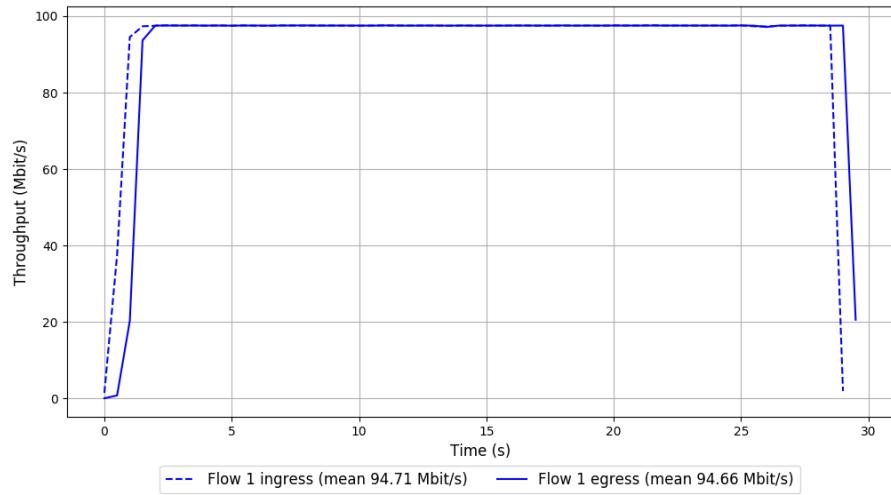


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 05:23:51
End at: 2019-01-21 05:24:21
Local clock offset: -4.527 ms
Remote clock offset: 3.49 ms

# Below is generated by plot.py at 2019-01-21 07:01:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 96.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 96.091 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC5 — Data Link

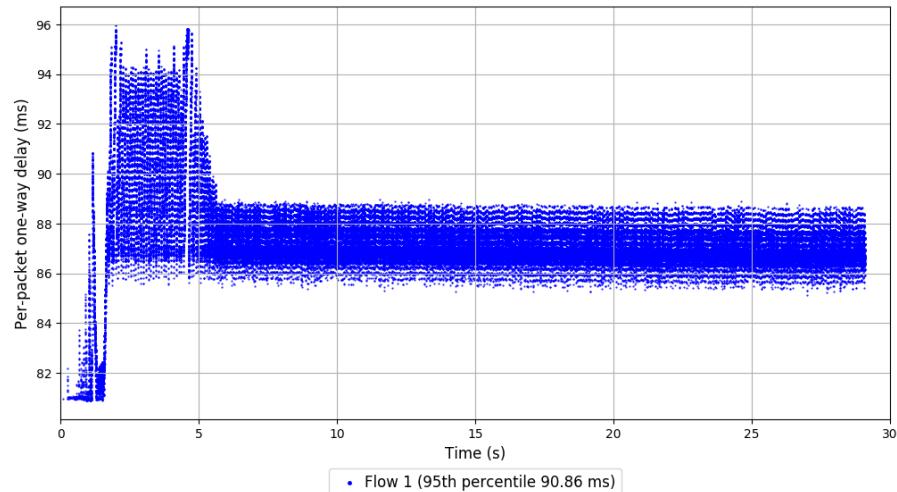
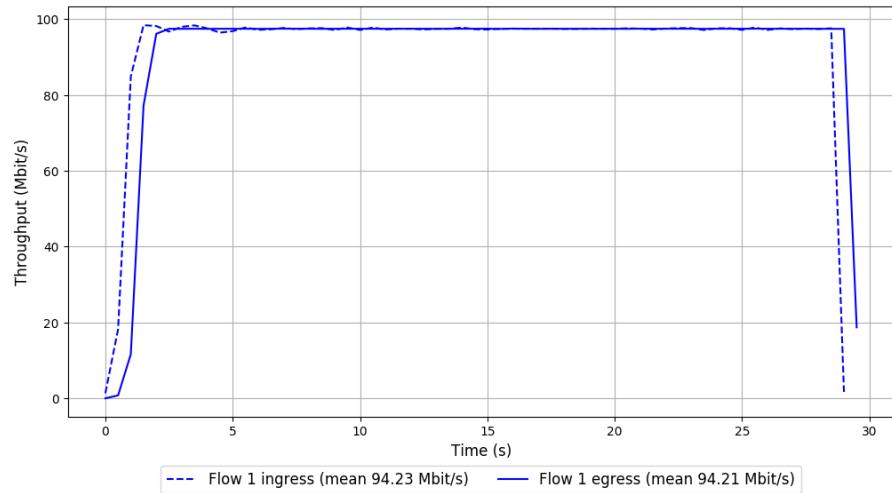


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 05:48:31
End at: 2019-01-21 05:49:01
Local clock offset: -2.296 ms
Remote clock offset: 3.278 ms

# Below is generated by plot.py at 2019-01-21 07:02:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 90.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 90.858 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC5 — Data Link

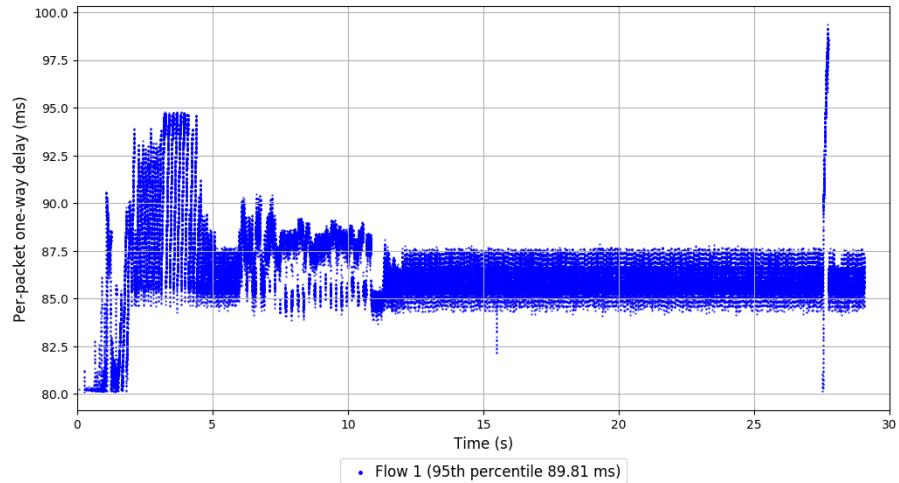
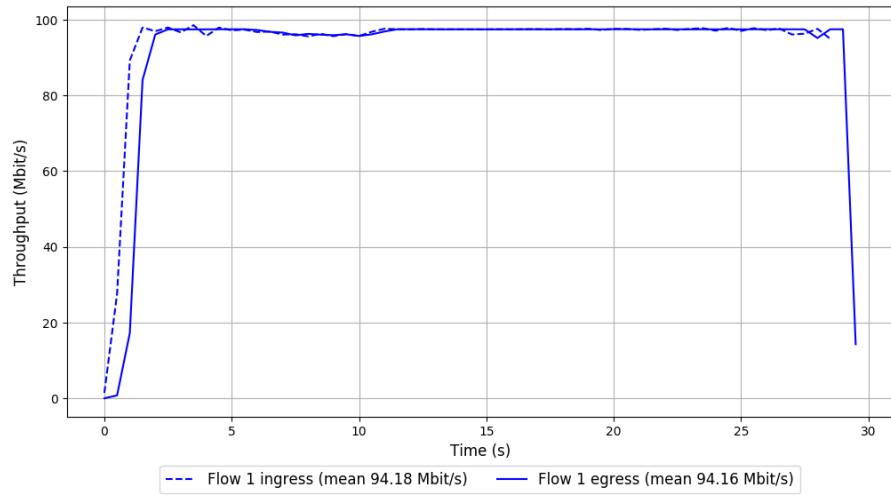


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 06:13:10
End at: 2019-01-21 06:13:40
Local clock offset: -5.612 ms
Remote clock offset: 3.306 ms

# Below is generated by plot.py at 2019-01-21 07:02:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 89.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 89.810 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC5 — Data Link

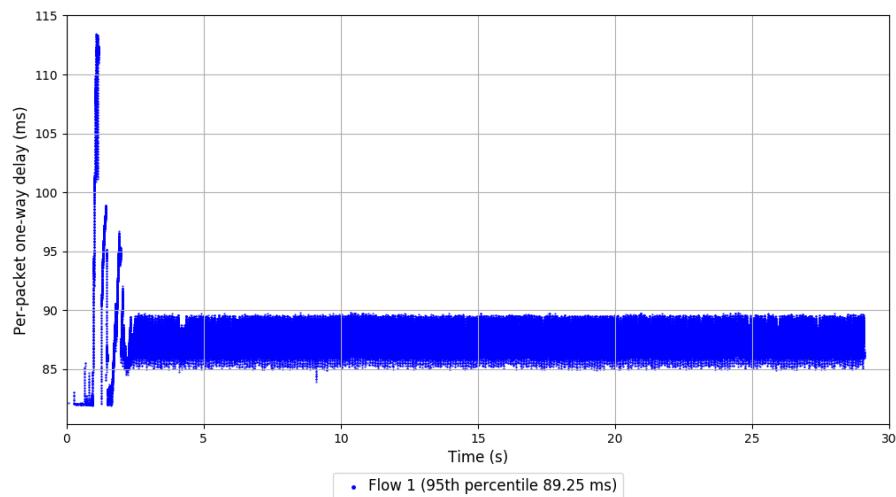
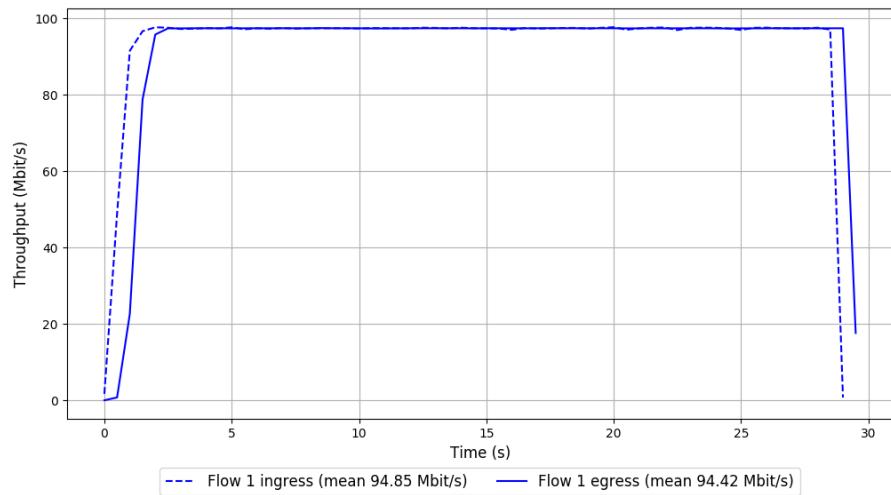


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 06:37:48
End at: 2019-01-21 06:38:18
Local clock offset: -5.797 ms
Remote clock offset: 3.551 ms

# Below is generated by plot.py at 2019-01-21 07:02:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 89.250 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 89.250 ms
Loss rate: 0.44%
```

Run 5: Report of Indigo-MusesC5 — Data Link

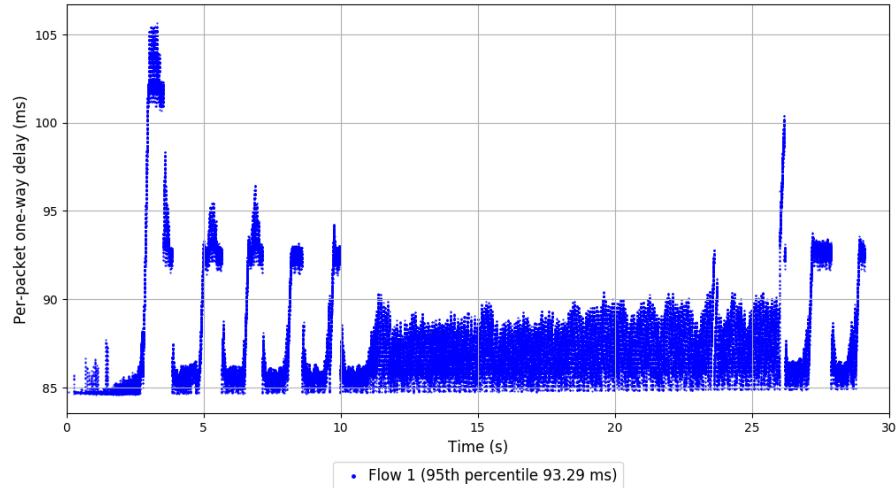
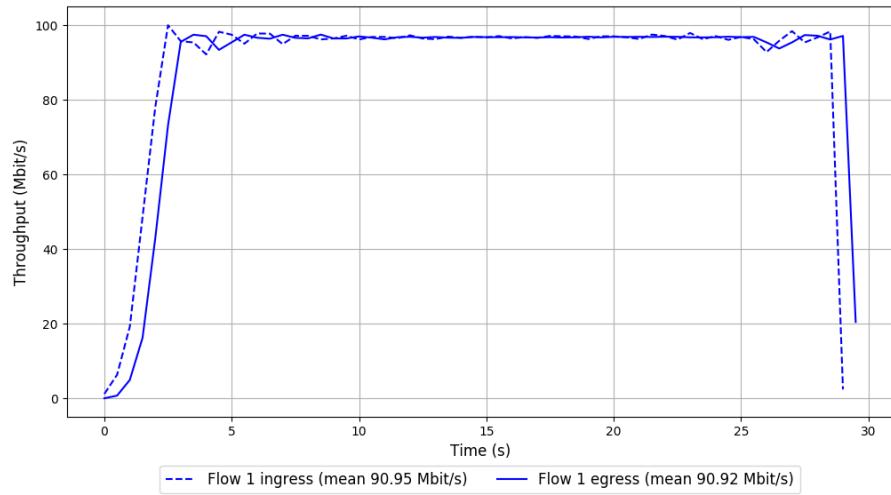


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-21 05:16:44
End at: 2019-01-21 05:17:14
Local clock offset: -7.118 ms
Remote clock offset: 6.73 ms

# Below is generated by plot.py at 2019-01-21 07:02:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 93.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 93.287 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link

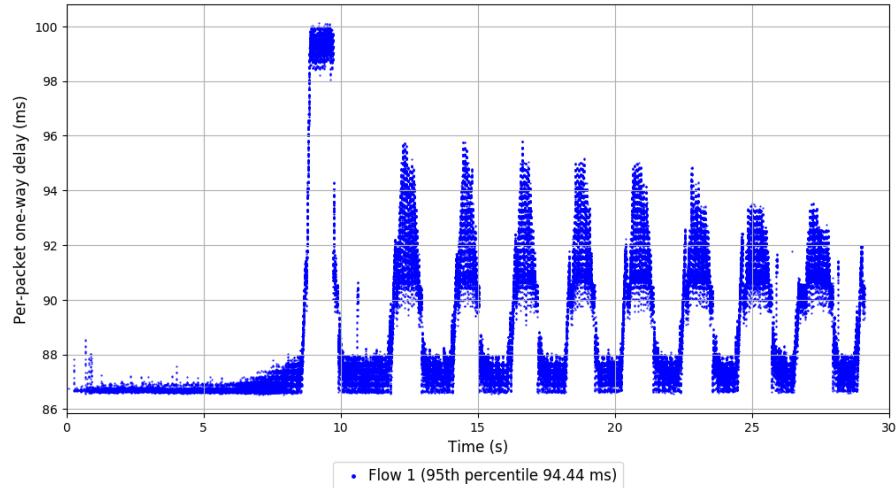
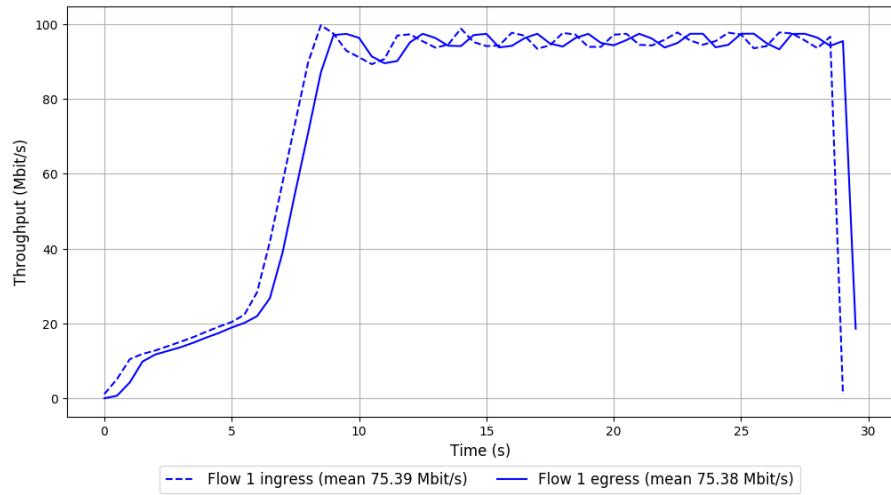


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-21 05:41:25
End at: 2019-01-21 05:41:55
Local clock offset: -0.679 ms
Remote clock offset: 6.807 ms

# Below is generated by plot.py at 2019-01-21 07:02:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 94.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 94.444 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesD — Data Link

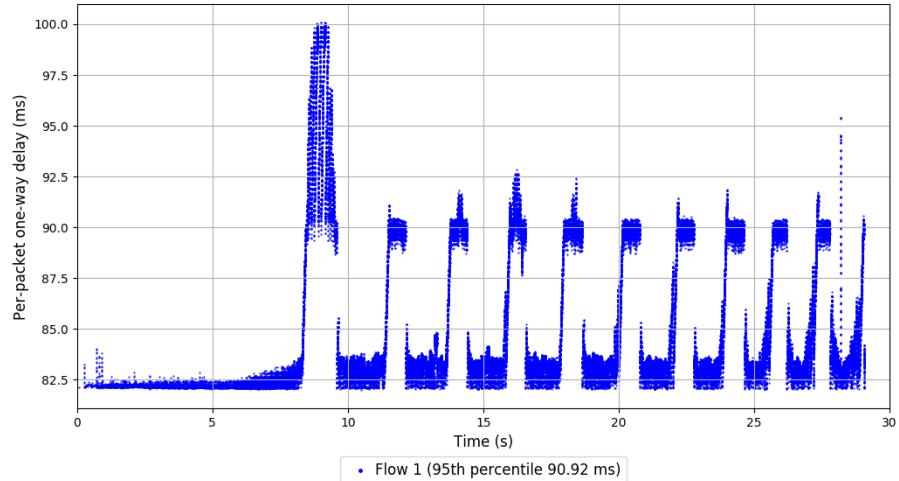
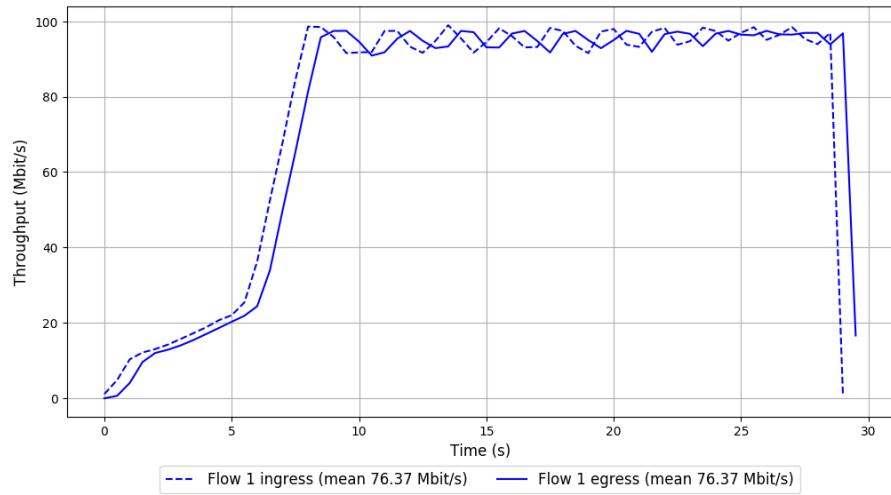


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-21 06:06:04
End at: 2019-01-21 06:06:34
Local clock offset: -5.148 ms
Remote clock offset: 3.594 ms

# Below is generated by plot.py at 2019-01-21 07:02:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: 90.923 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: 90.923 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesD — Data Link

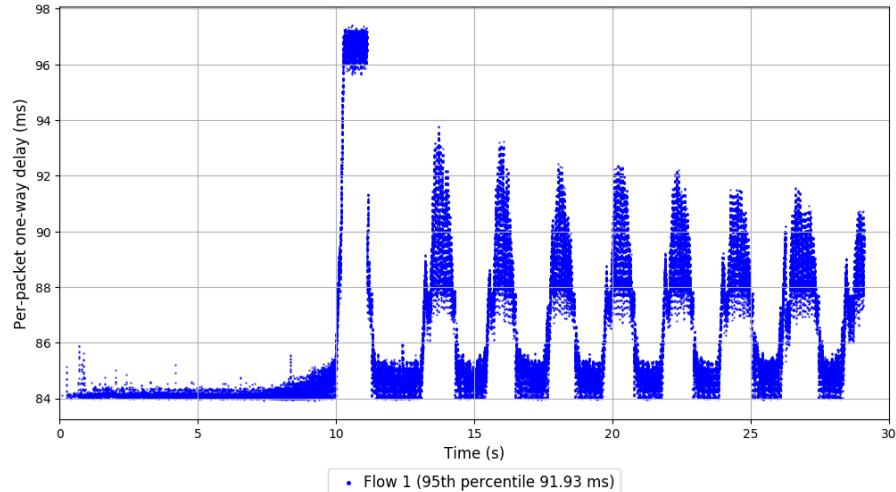
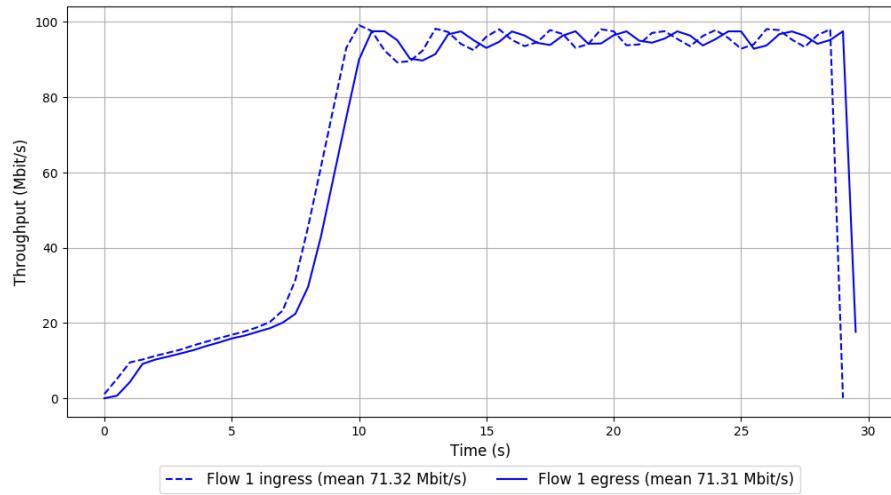


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-21 06:30:43
End at: 2019-01-21 06:31:13
Local clock offset: -6.552 ms
Remote clock offset: 3.394 ms

# Below is generated by plot.py at 2019-01-21 07:02:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.31 Mbit/s
95th percentile per-packet one-way delay: 91.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.31 Mbit/s
95th percentile per-packet one-way delay: 91.926 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesD — Data Link

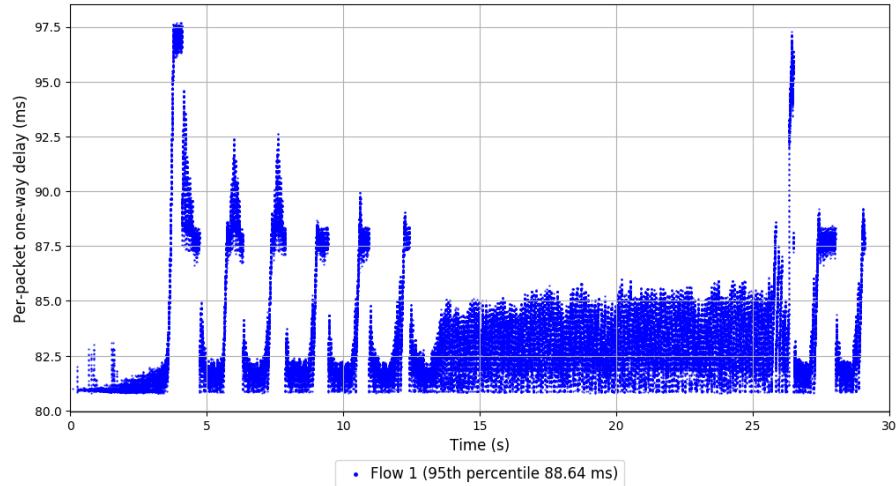
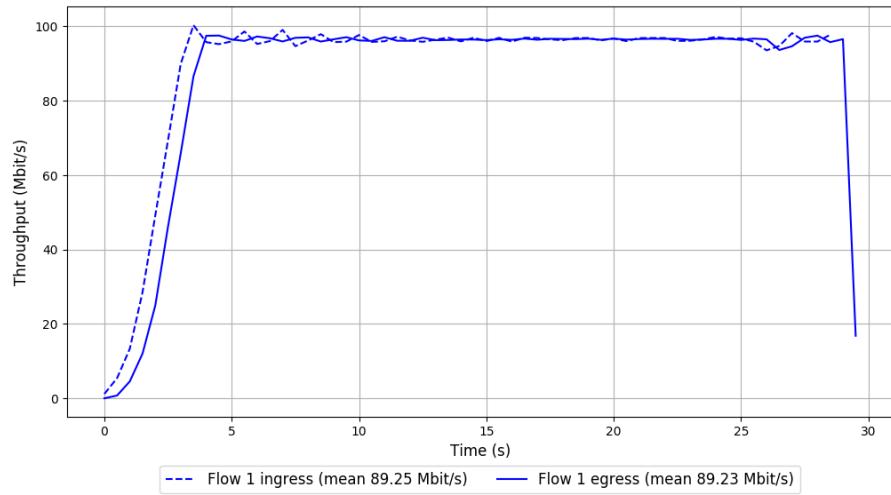


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-21 06:55:21
End at: 2019-01-21 06:55:51
Local clock offset: -6.827 ms
Remote clock offset: 3.611 ms

# Below is generated by plot.py at 2019-01-21 07:03:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 88.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 88.639 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesD — Data Link

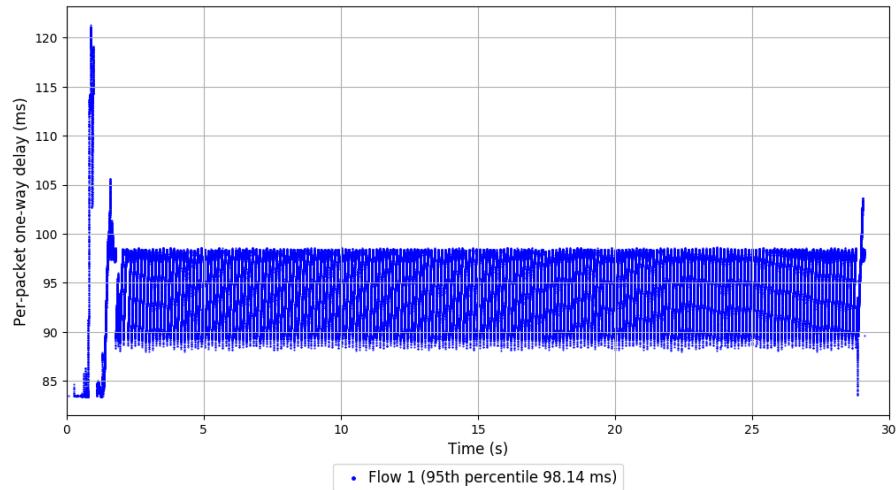
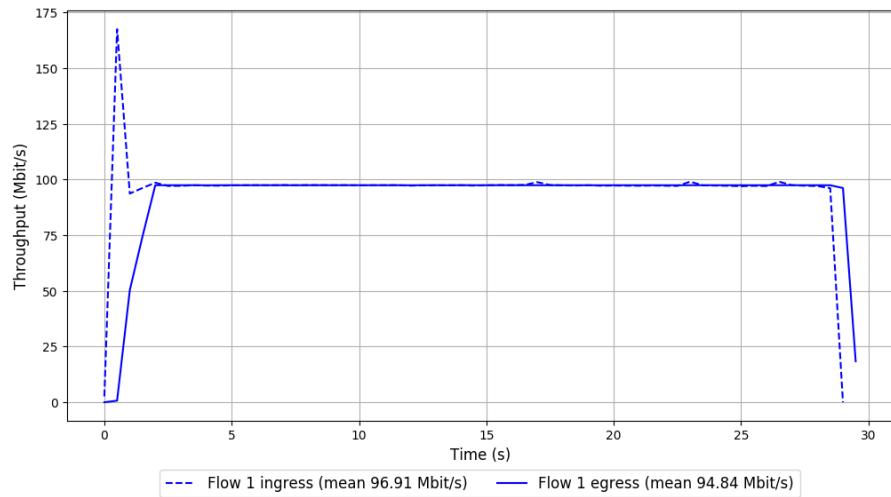


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 05:06:10
End at: 2019-01-21 05:06:40
Local clock offset: -6.968 ms
Remote clock offset: 6.442 ms

# Below is generated by plot.py at 2019-01-21 07:03:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 98.138 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 98.138 ms
Loss rate: 2.12%
```

Run 1: Report of Indigo-MusesT — Data Link

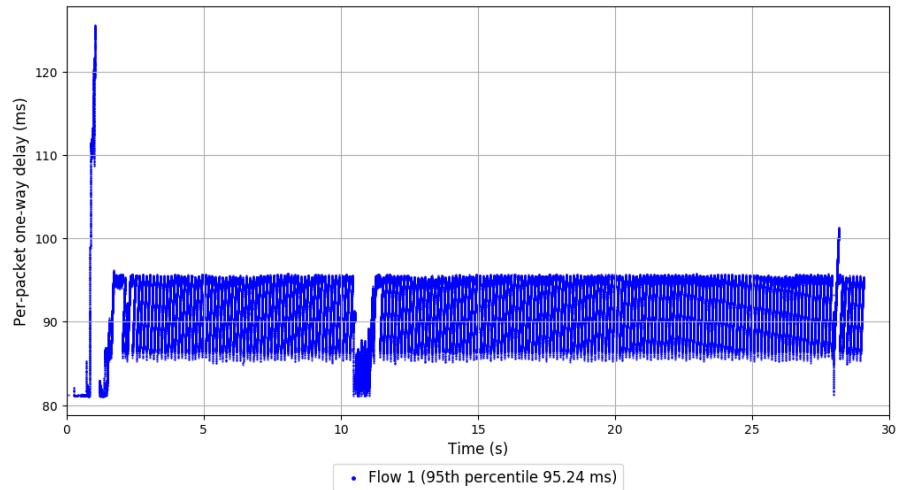
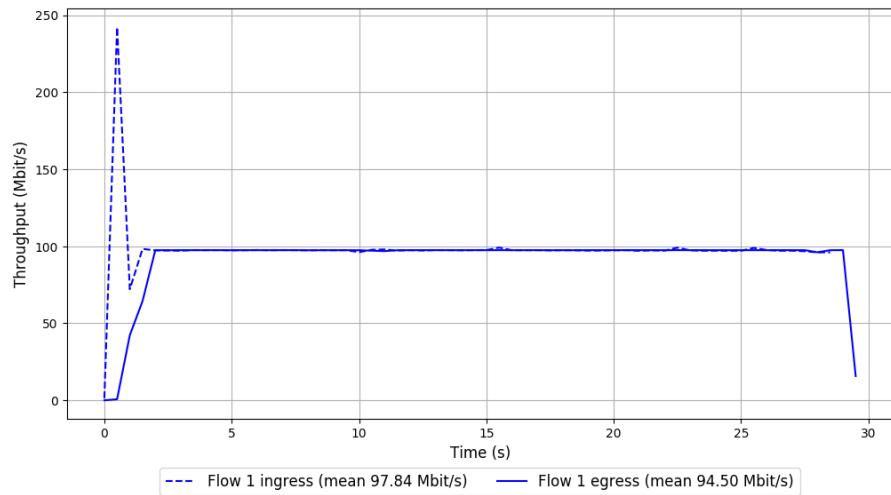


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 05:30:49
End at: 2019-01-21 05:31:19
Local clock offset: -2.874 ms
Remote clock offset: 3.032 ms

# Below is generated by plot.py at 2019-01-21 07:03:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 95.243 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 95.243 ms
Loss rate: 3.37%
```

Run 2: Report of Indigo-MusesT — Data Link

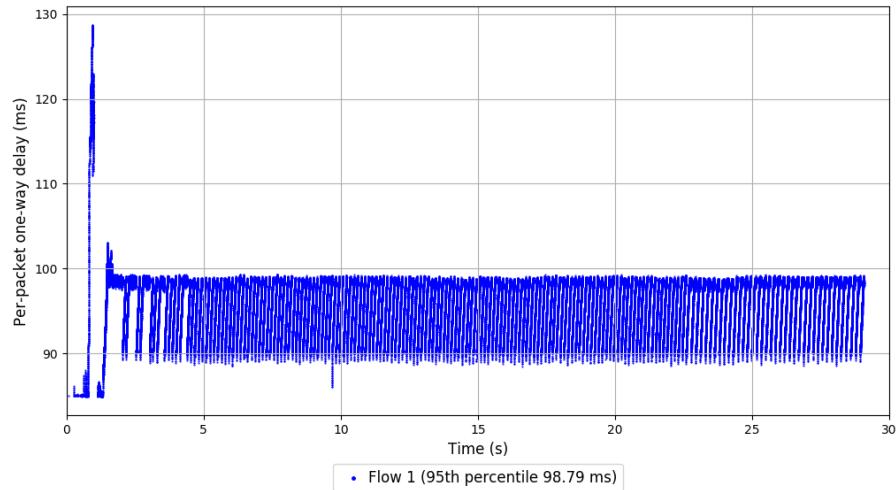
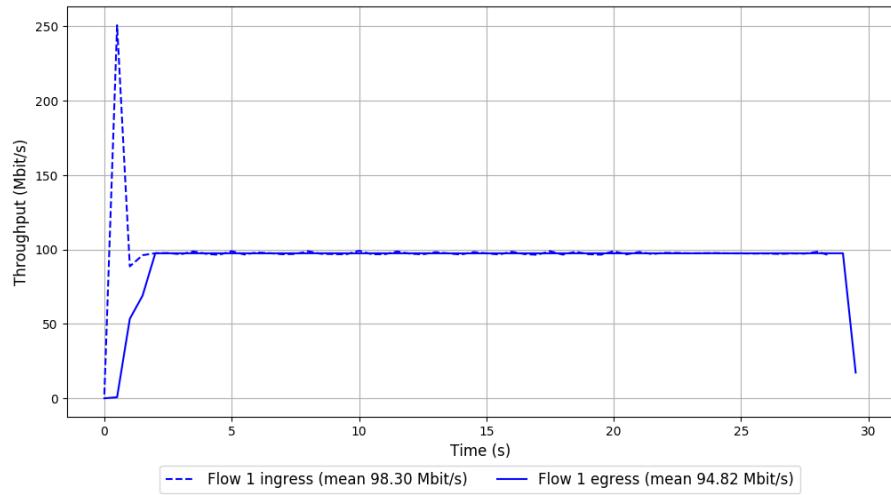


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 05:55:29
End at: 2019-01-21 05:55:59
Local clock offset: -4.577 ms
Remote clock offset: 7.06 ms

# Below is generated by plot.py at 2019-01-21 07:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 98.788 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 98.788 ms
Loss rate: 3.49%
```

Run 3: Report of Indigo-MusesT — Data Link

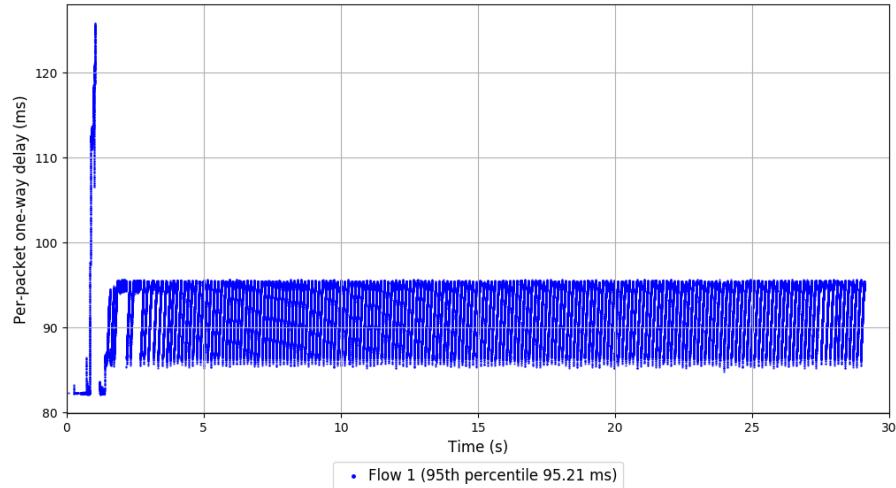
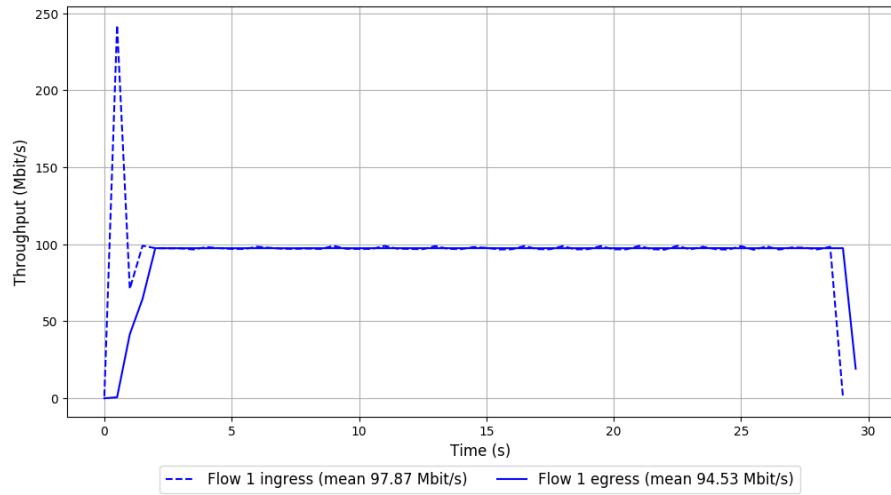


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 06:20:07
End at: 2019-01-21 06:20:37
Local clock offset: -5.704 ms
Remote clock offset: 3.725 ms

# Below is generated by plot.py at 2019-01-21 07:03:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 95.214 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 95.214 ms
Loss rate: 3.36%
```

Run 4: Report of Indigo-MusesT — Data Link

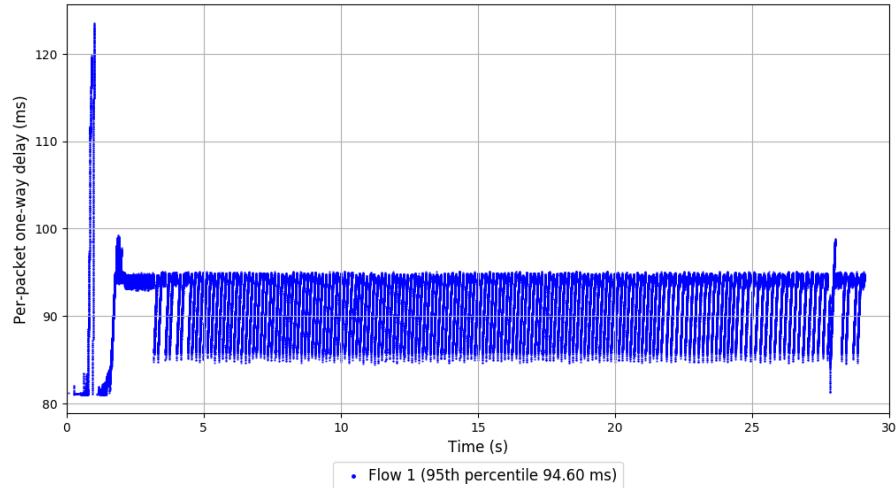
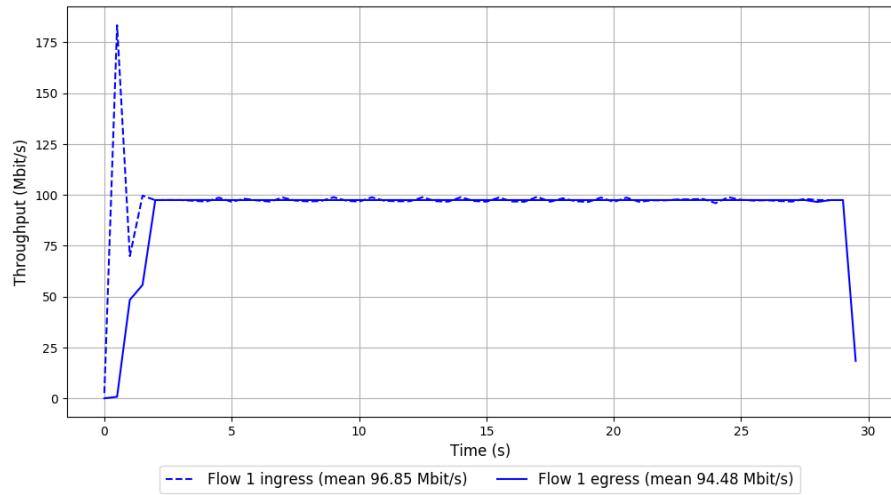


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 06:44:46
End at: 2019-01-21 06:45:16
Local clock offset: -5.903 ms
Remote clock offset: 3.961 ms

# Below is generated by plot.py at 2019-01-21 07:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 94.596 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 94.596 ms
Loss rate: 2.40%
```

Run 5: Report of Indigo-MusesT — Data Link

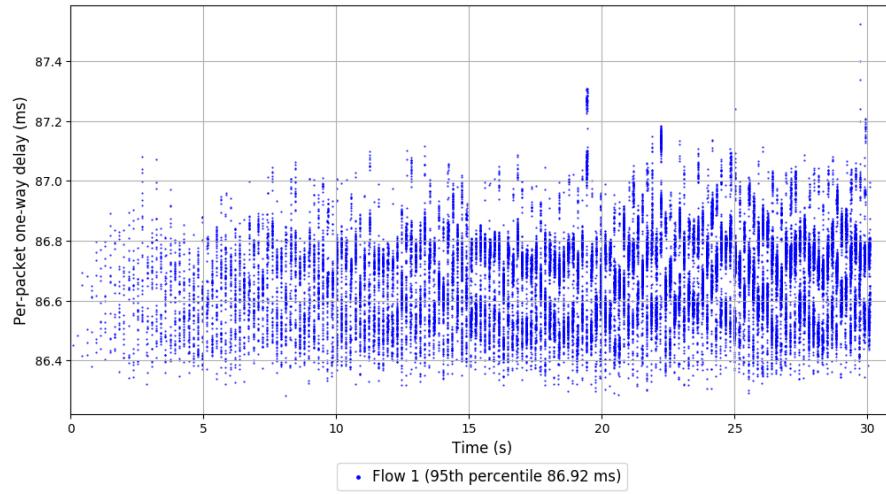
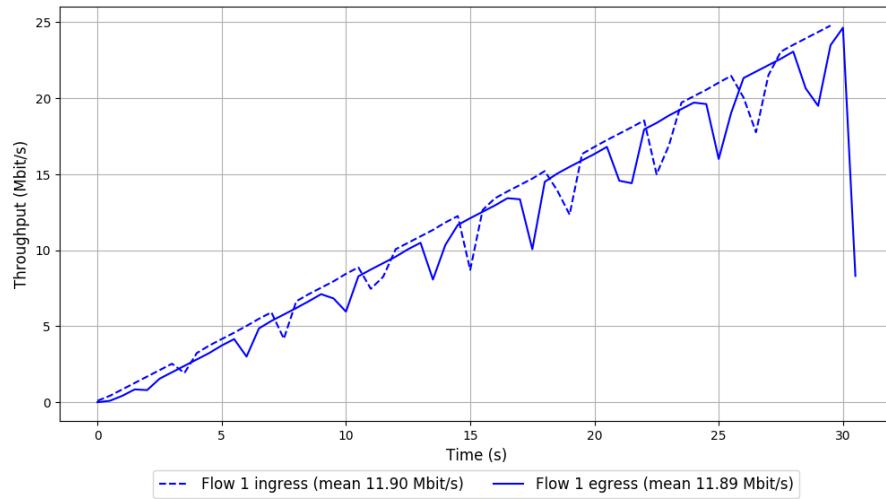


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-21 05:15:36
End at: 2019-01-21 05:16:06
Local clock offset: -7.198 ms
Remote clock offset: 6.568 ms

# Below is generated by plot.py at 2019-01-21 07:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 86.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 86.921 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

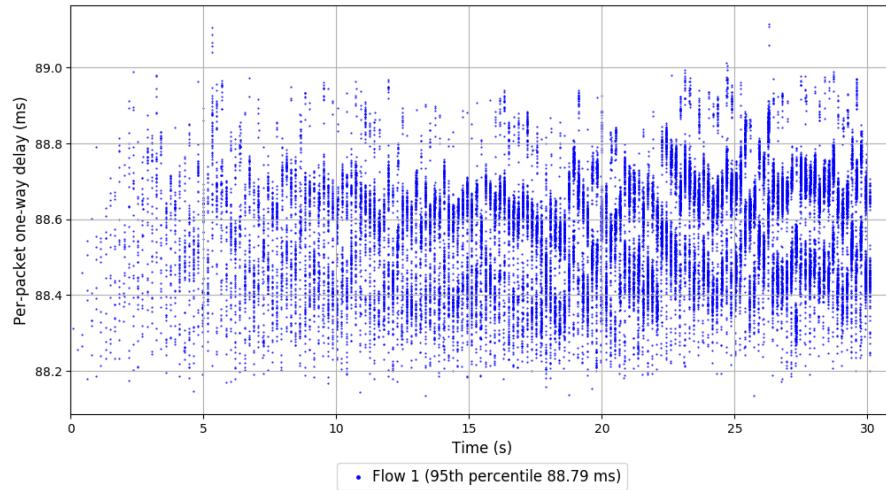
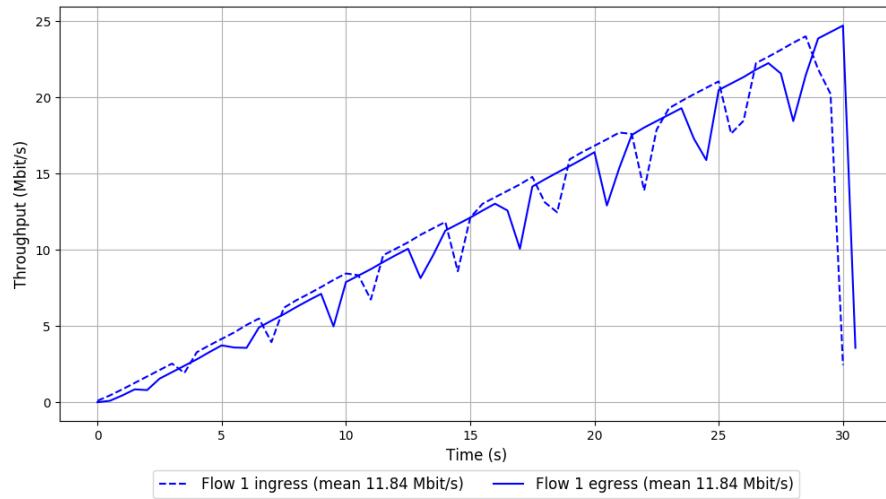


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-21 05:40:16
End at: 2019-01-21 05:40:46
Local clock offset: -1.613 ms
Remote clock offset: 7.373 ms

# Below is generated by plot.py at 2019-01-21 07:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 88.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 88.787 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

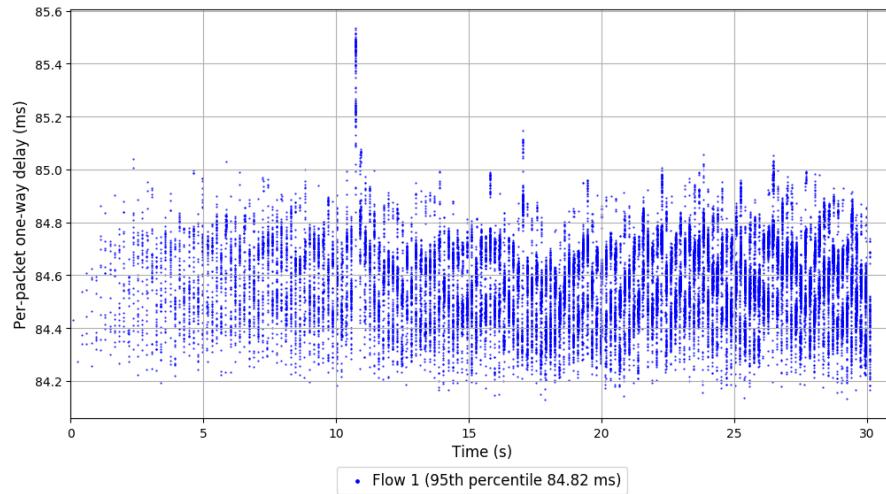
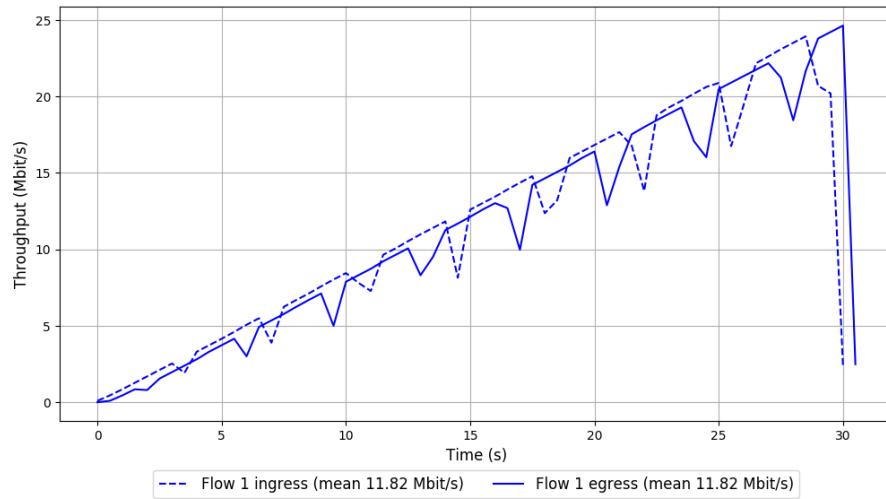


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-21 06:04:55
End at: 2019-01-21 06:05:25
Local clock offset: -5.902 ms
Remote clock offset: 3.599 ms

# Below is generated by plot.py at 2019-01-21 07:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 84.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 84.817 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

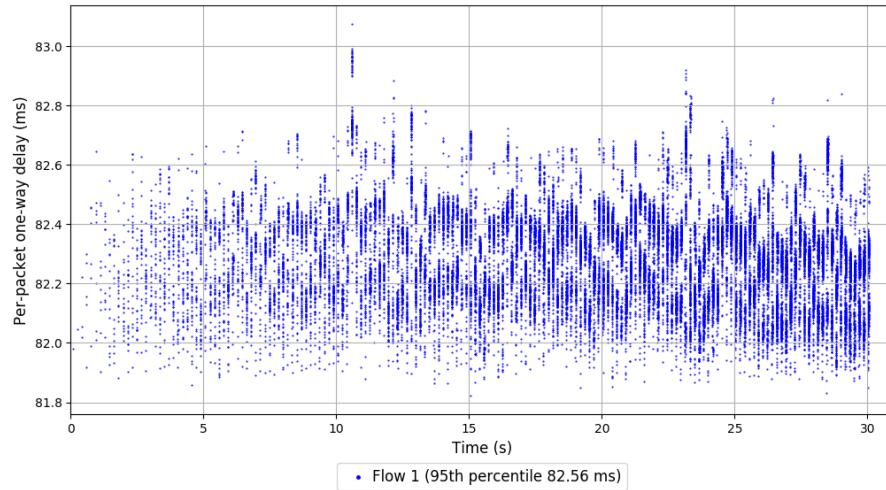
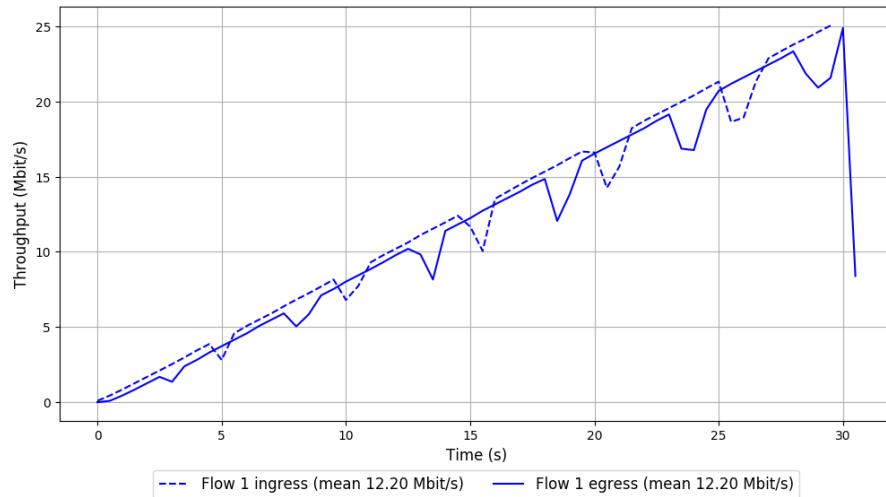


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-21 06:29:34
End at: 2019-01-21 06:30:04
Local clock offset: -6.521 ms
Remote clock offset: 3.762 ms

# Below is generated by plot.py at 2019-01-21 07:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 82.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 82.561 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

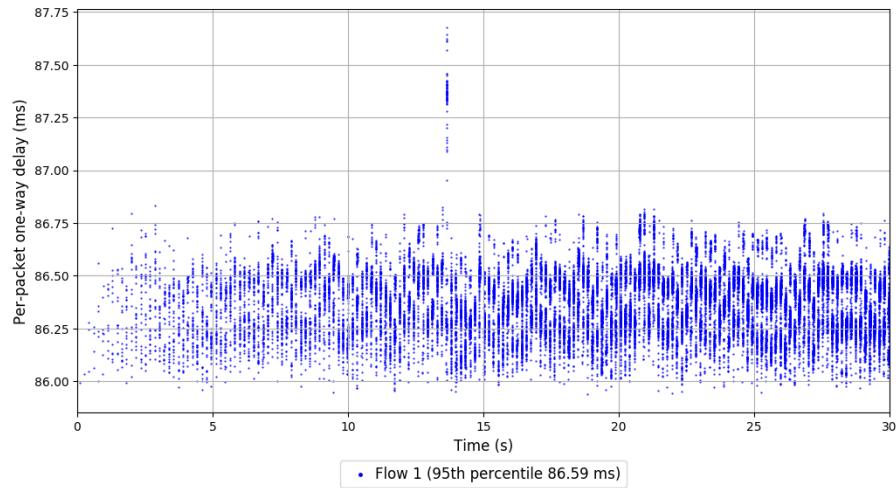
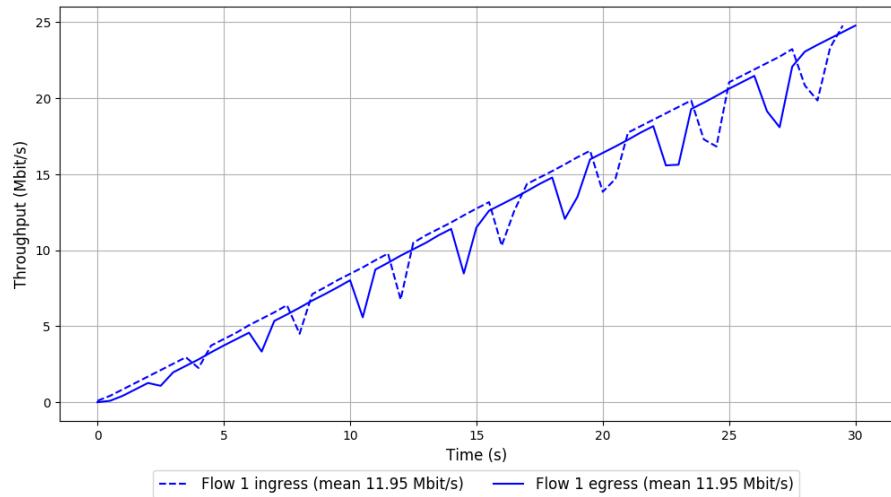


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-21 06:54:12
End at: 2019-01-21 06:54:42
Local clock offset: -5.996 ms
Remote clock offset: 7.923 ms

# Below is generated by plot.py at 2019-01-21 07:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 86.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 86.593 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

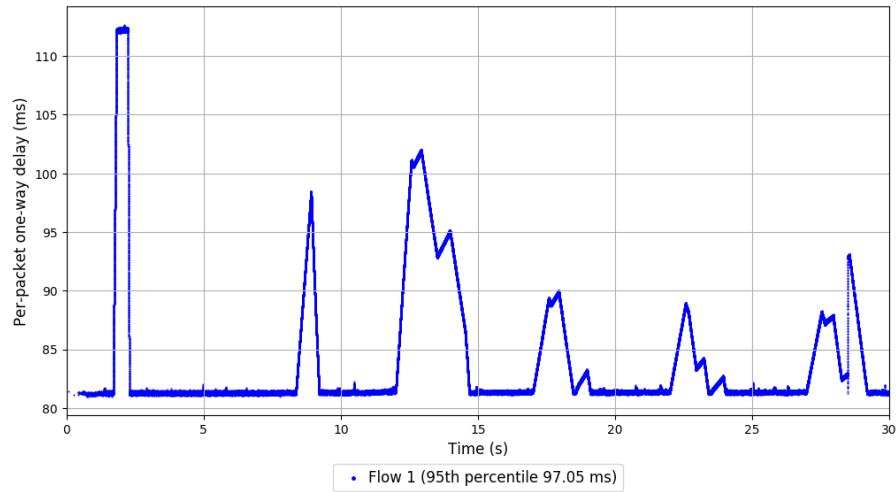
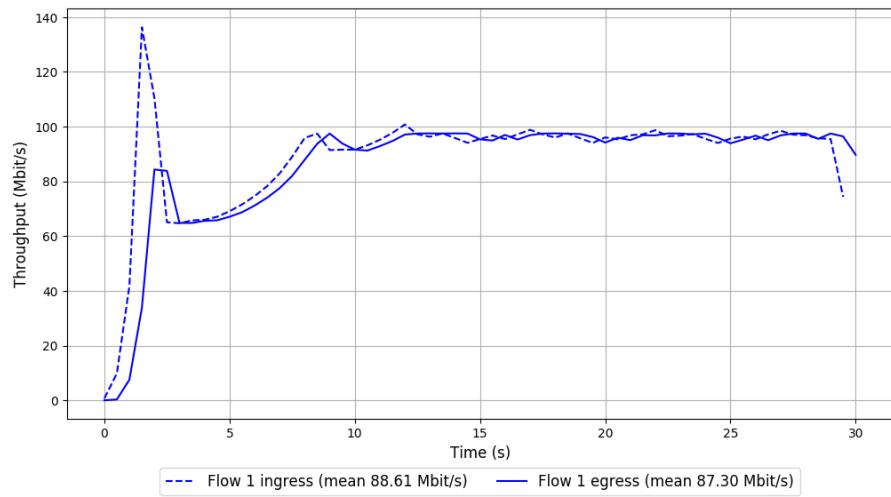


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-21 05:08:35
End at: 2019-01-21 05:09:05
Local clock offset: -7.862 ms
Remote clock offset: 3.568 ms

# Below is generated by plot.py at 2019-01-21 07:04:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 97.046 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 97.046 ms
Loss rate: 1.48%
```

Run 1: Report of PCC-Allegro — Data Link

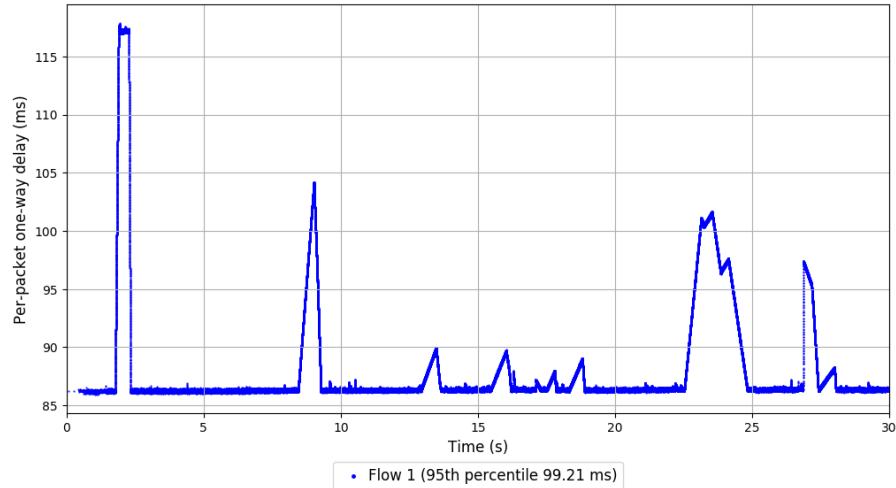
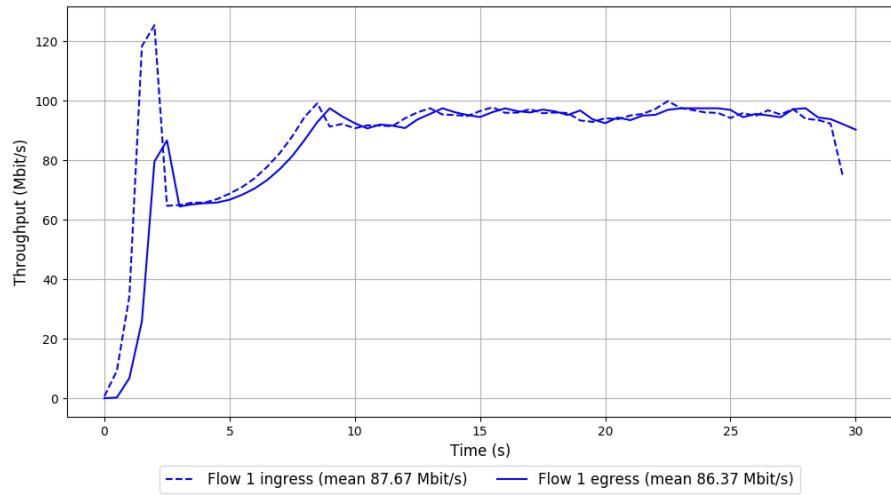


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-21 05:33:14
End at: 2019-01-21 05:38:44
Local clock offset: -2.387 ms
Remote clock offset: 7.149 ms

# Below is generated by plot.py at 2019-01-21 07:04:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 99.211 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 99.211 ms
Loss rate: 1.48%
```

Run 2: Report of PCC-Allegro — Data Link

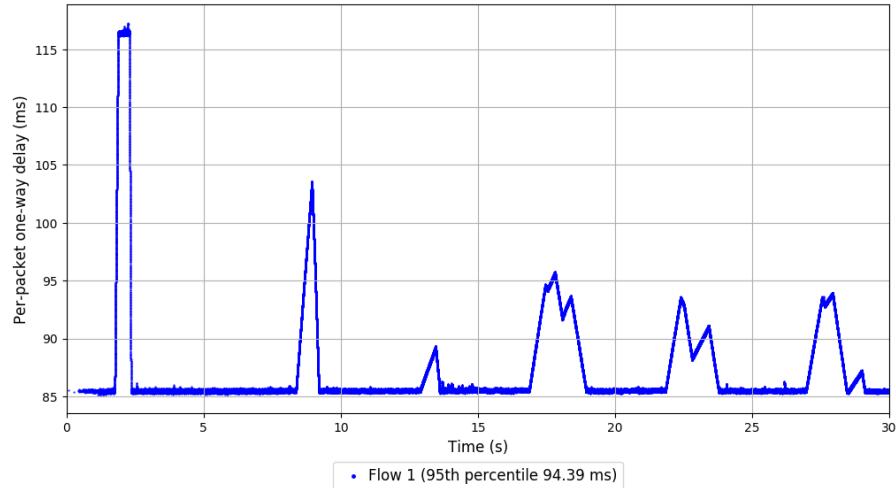
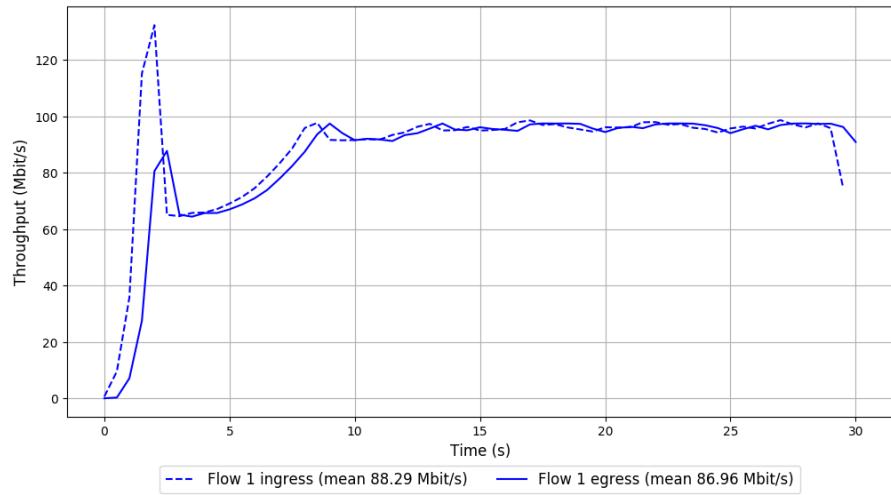


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-21 05:57:53
End at: 2019-01-21 05:58:23
Local clock offset: -4.236 ms
Remote clock offset: 7.211 ms

# Below is generated by plot.py at 2019-01-21 07:04:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 94.390 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 94.390 ms
Loss rate: 1.50%
```

Run 3: Report of PCC-Allegro — Data Link

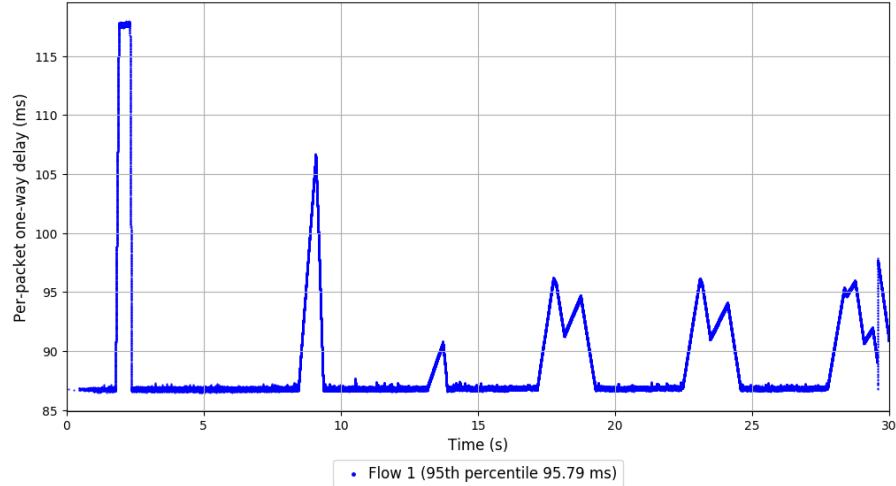
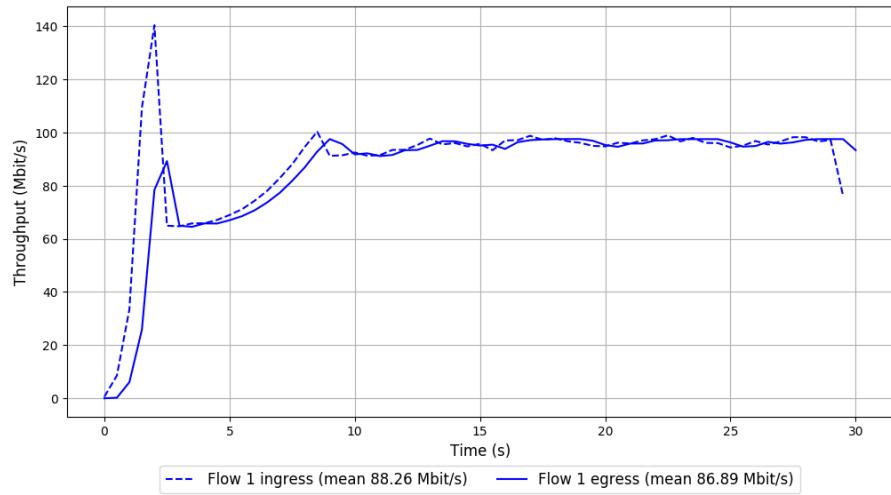


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-21 06:22:32
End at: 2019-01-21 06:23:02
Local clock offset: -6.557 ms
Remote clock offset: 7.294 ms

# Below is generated by plot.py at 2019-01-21 07:04:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 95.789 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 95.789 ms
Loss rate: 1.54%
```

Run 4: Report of PCC-Allegro — Data Link

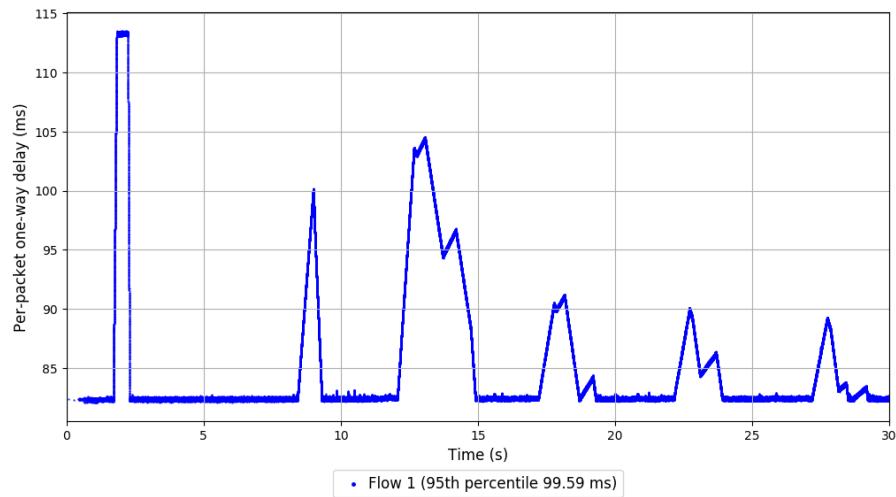
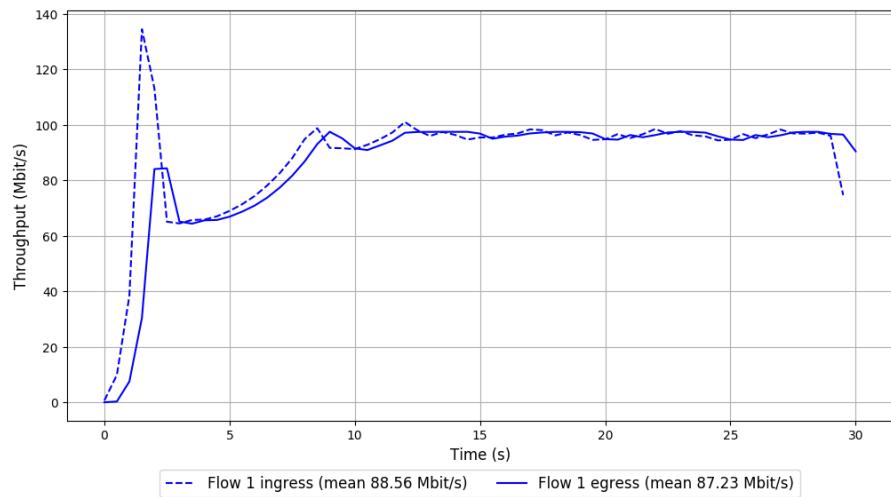


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-21 06:47:11
End at: 2019-01-21 06:47:41
Local clock offset: -5.945 ms
Remote clock offset: 4.117 ms

# Below is generated by plot.py at 2019-01-21 07:04:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 99.587 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 99.587 ms
Loss rate: 1.50%
```

Run 5: Report of PCC-Allegro — Data Link

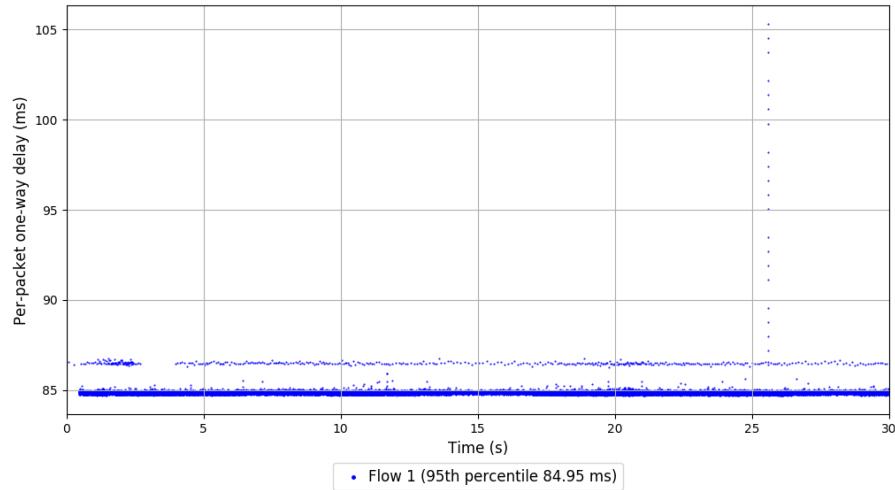
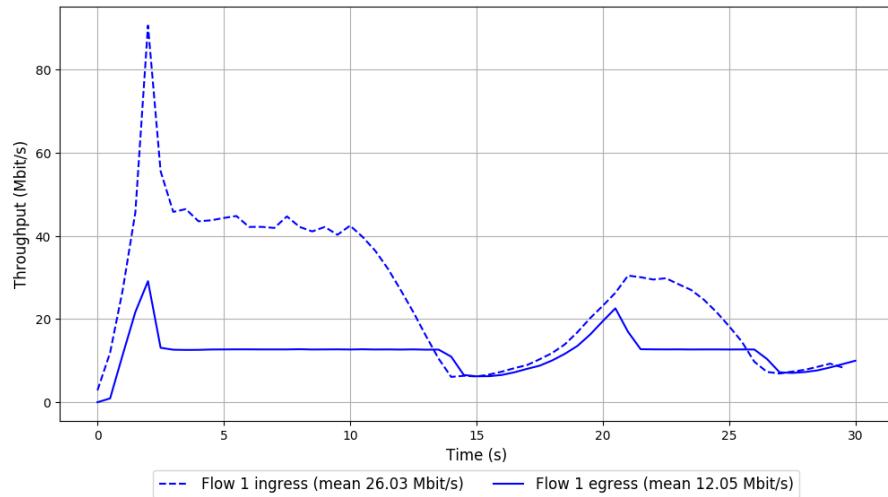


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-01-21 05:13:16
End at: 2019-01-21 05:13:46
Local clock offset: -7.97 ms
Remote clock offset: 6.892 ms

# Below is generated by plot.py at 2019-01-21 07:04:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 84.952 ms
Loss rate: 53.71%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 84.952 ms
Loss rate: 53.71%
```

Run 1: Report of PCC-Expr — Data Link

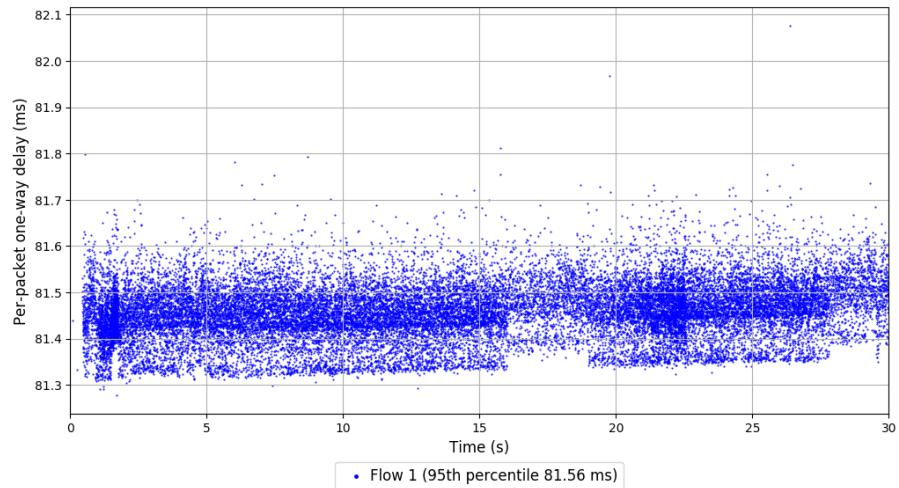
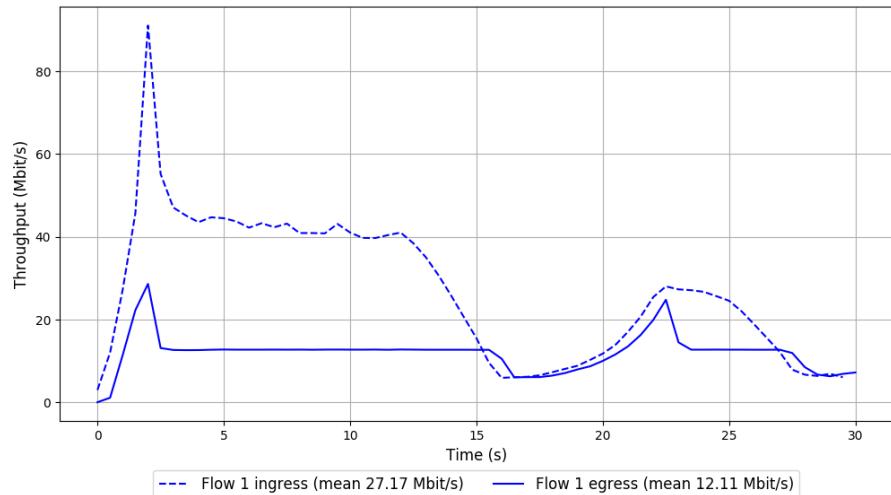


Run 2: Statistics of PCC-Expr

```
Start at: 2019-01-21 05:37:56
End at: 2019-01-21 05:38:26
Local clock offset: -1.83 ms
Remote clock offset: 3.471 ms

# Below is generated by plot.py at 2019-01-21 07:04:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 81.557 ms
Loss rate: 55.43%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 81.557 ms
Loss rate: 55.43%
```

Run 2: Report of PCC-Expr — Data Link

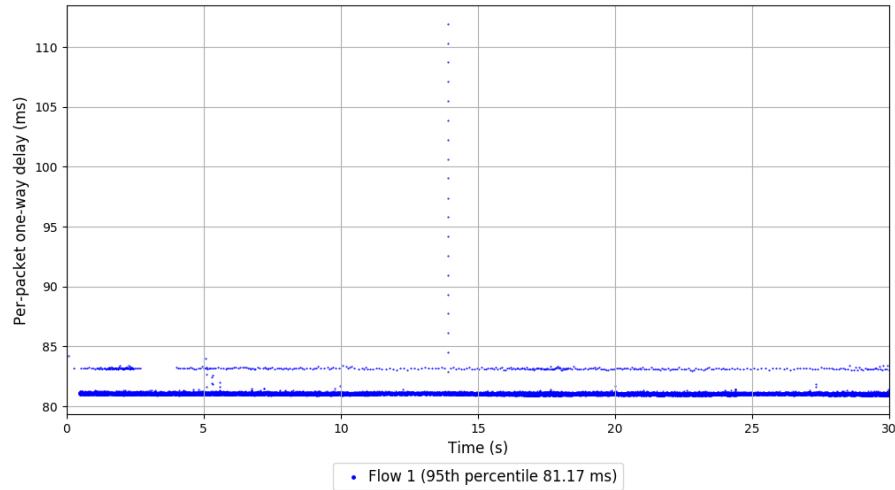
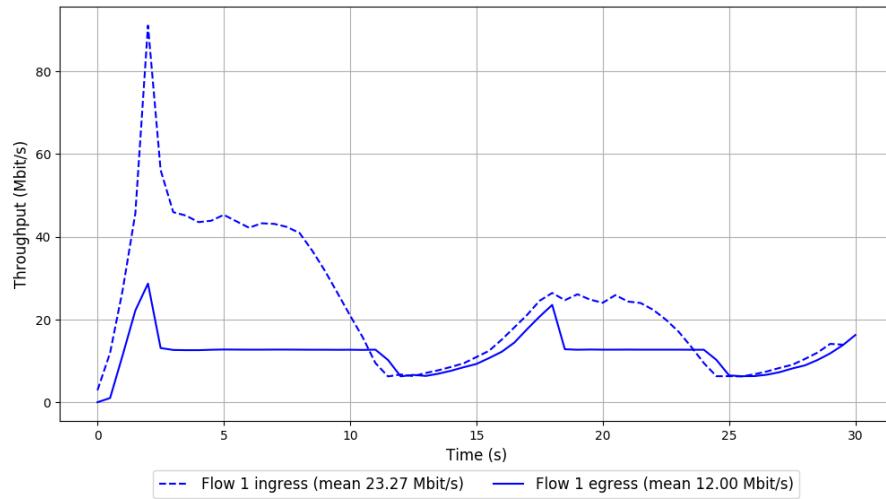


Run 3: Statistics of PCC-Expr

```
Start at: 2019-01-21 06:02:35
End at: 2019-01-21 06:03:05
Local clock offset: -5.686 ms
Remote clock offset: 3.284 ms

# Below is generated by plot.py at 2019-01-21 07:04:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 81.165 ms
Loss rate: 48.46%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 81.165 ms
Loss rate: 48.46%
```

Run 3: Report of PCC-Expr — Data Link

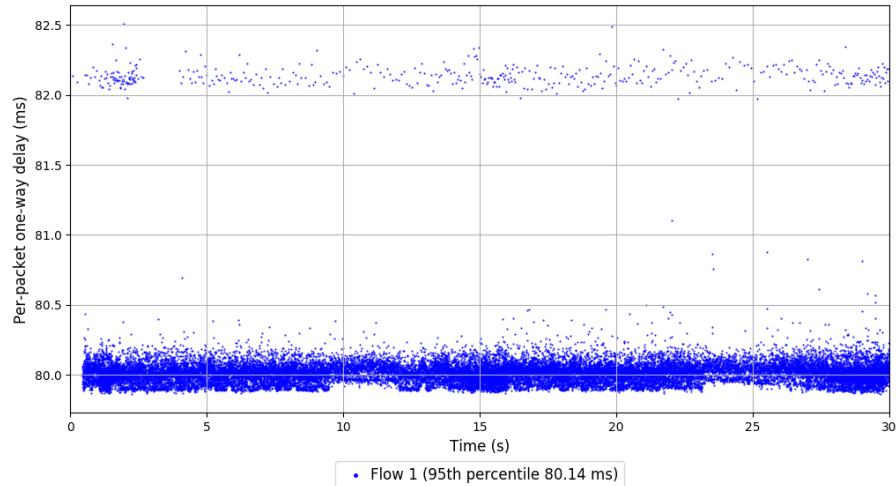
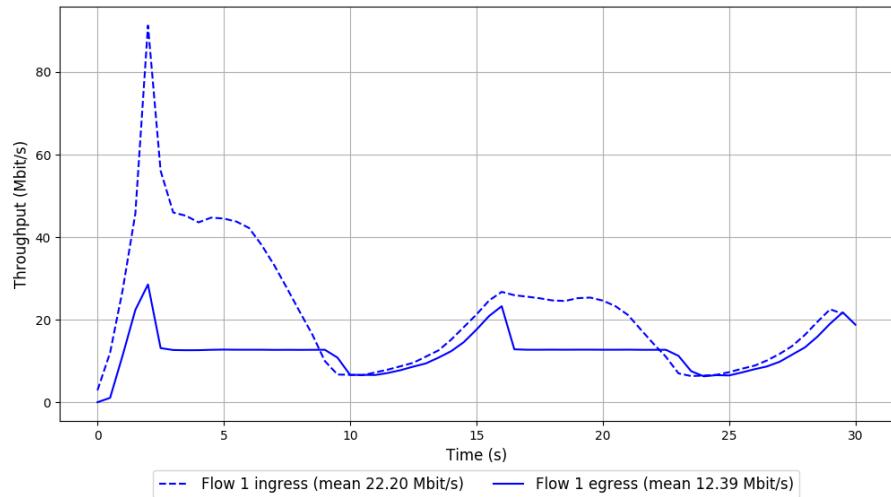


Run 4: Statistics of PCC-Expr

```
Start at: 2019-01-21 06:27:14
End at: 2019-01-21 06:27:44
Local clock offset: -5.674 ms
Remote clock offset: 3.095 ms

# Below is generated by plot.py at 2019-01-21 07:04:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 80.143 ms
Loss rate: 44.20%
-- Flow 1:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 80.143 ms
Loss rate: 44.20%
```

Run 4: Report of PCC-Expr — Data Link

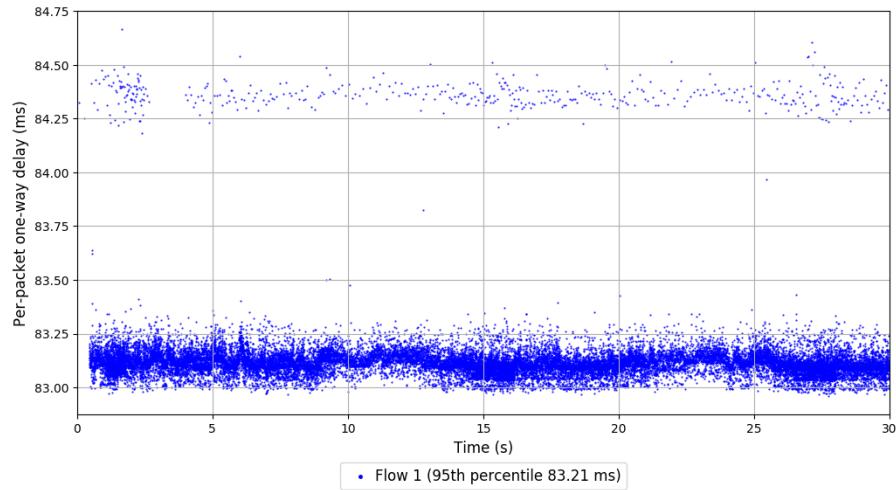
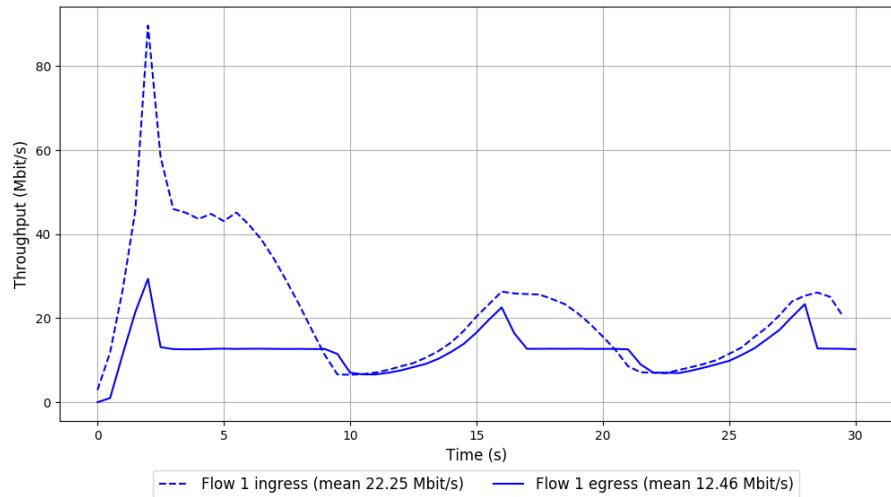


Run 5: Statistics of PCC-Expr

```
Start at: 2019-01-21 06:51:52
End at: 2019-01-21 06:52:22
Local clock offset: -6.754 ms
Remote clock offset: 4.134 ms

# Below is generated by plot.py at 2019-01-21 07:04:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 83.214 ms
Loss rate: 43.97%
-- Flow 1:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 83.214 ms
Loss rate: 43.97%
```

Run 5: Report of PCC-Expr — Data Link

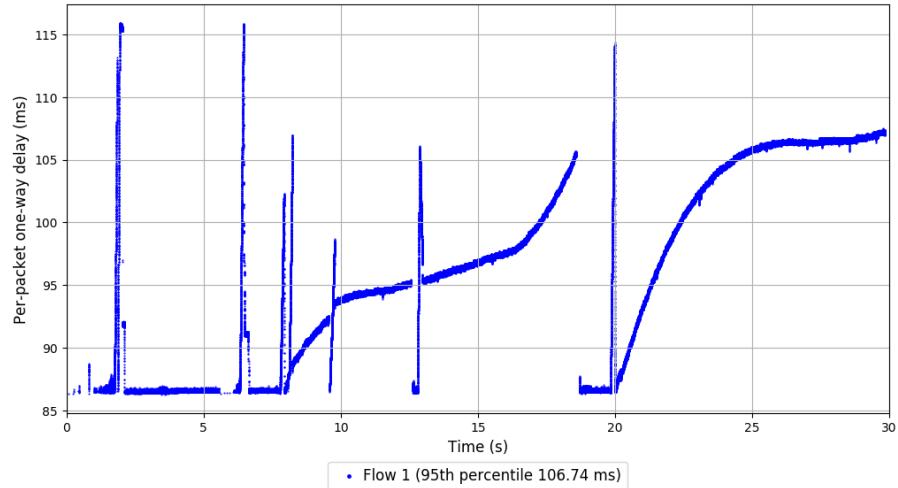
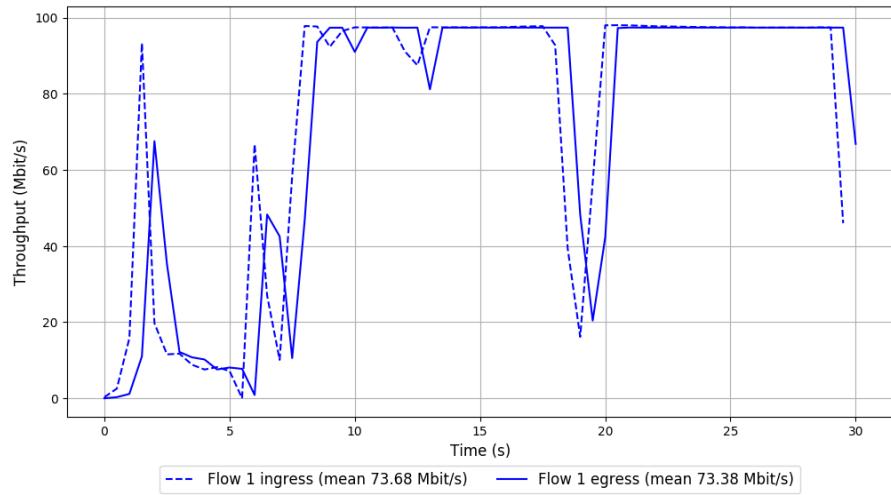


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-01-21 04:58:01
End at: 2019-01-21 04:58:31
Local clock offset: -7.711 ms
Remote clock offset: 7.155 ms

# Below is generated by plot.py at 2019-01-21 07:05:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 106.740 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 106.740 ms
Loss rate: 0.34%
```

Run 1: Report of QUIC Cubic — Data Link

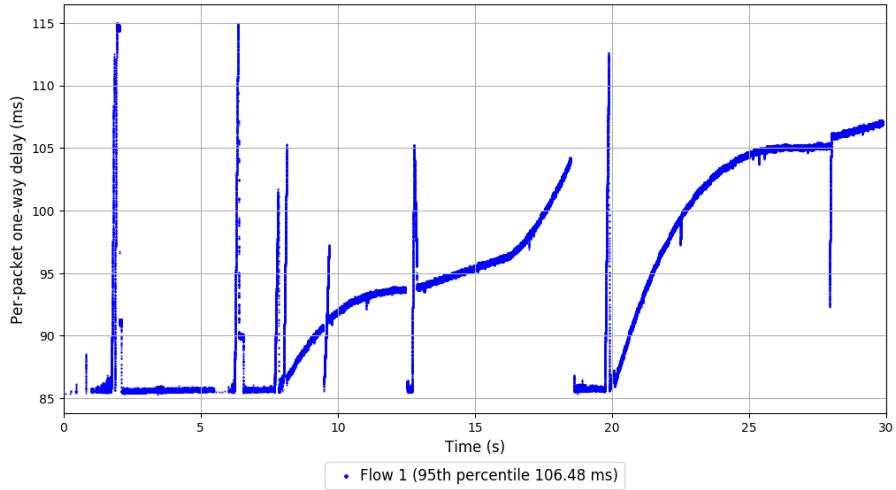
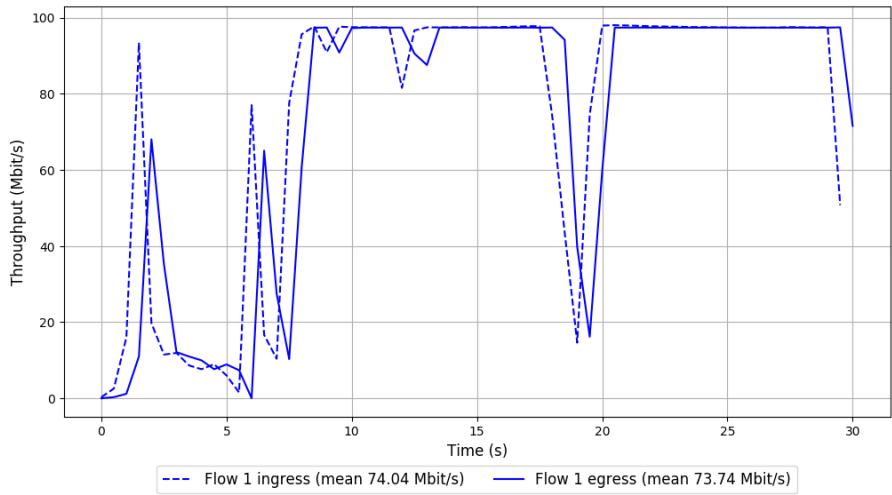


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-21 05:22:40
End at: 2019-01-21 05:23:10
Local clock offset: -3.968 ms
Remote clock offset: 6.691 ms

# Below is generated by plot.py at 2019-01-21 07:05:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 106.480 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 106.480 ms
Loss rate: 0.33%
```

Run 2: Report of QUIC Cubic — Data Link

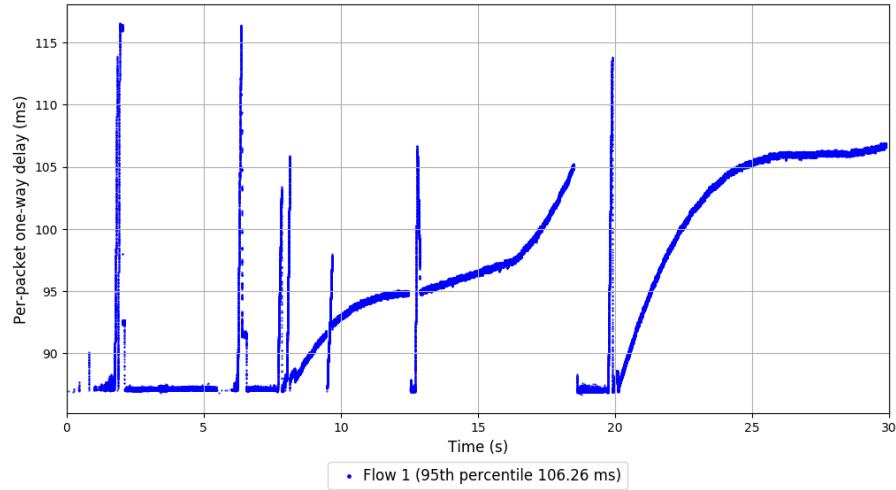
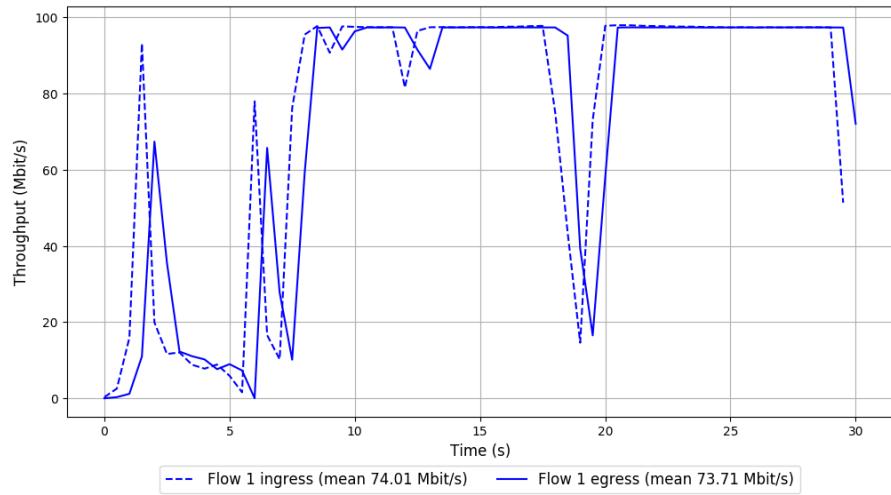


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-21 05:47:20
End at: 2019-01-21 05:47:50
Local clock offset: -1.662 ms
Remote clock offset: 7.562 ms

# Below is generated by plot.py at 2019-01-21 07:05:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 106.259 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 106.259 ms
Loss rate: 0.33%
```

Run 3: Report of QUIC Cubic — Data Link

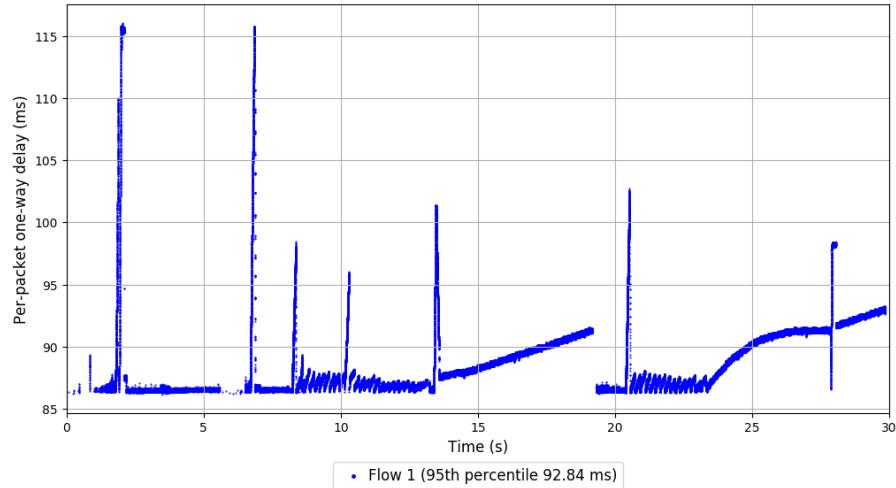
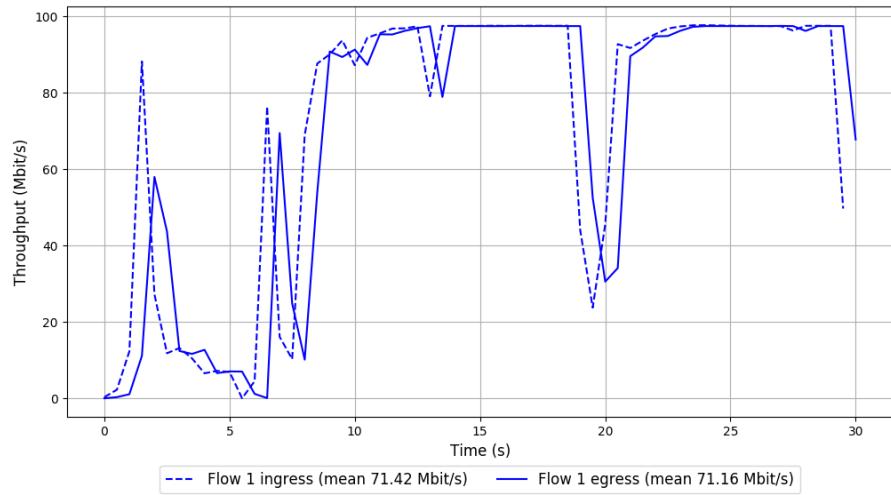


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-21 06:11:59
End at: 2019-01-21 06:12:29
Local clock offset: -5.613 ms
Remote clock offset: 7.38 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 92.842 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 92.842 ms
Loss rate: 0.34%
```

Run 4: Report of QUIC Cubic — Data Link

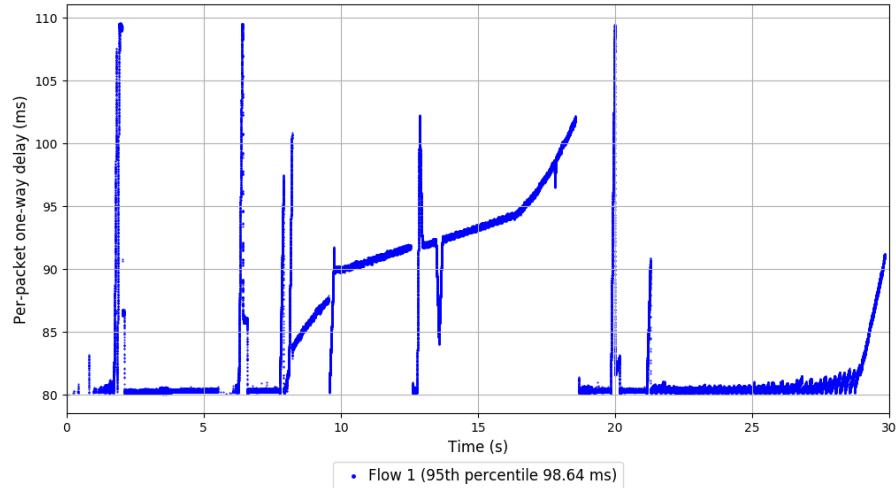
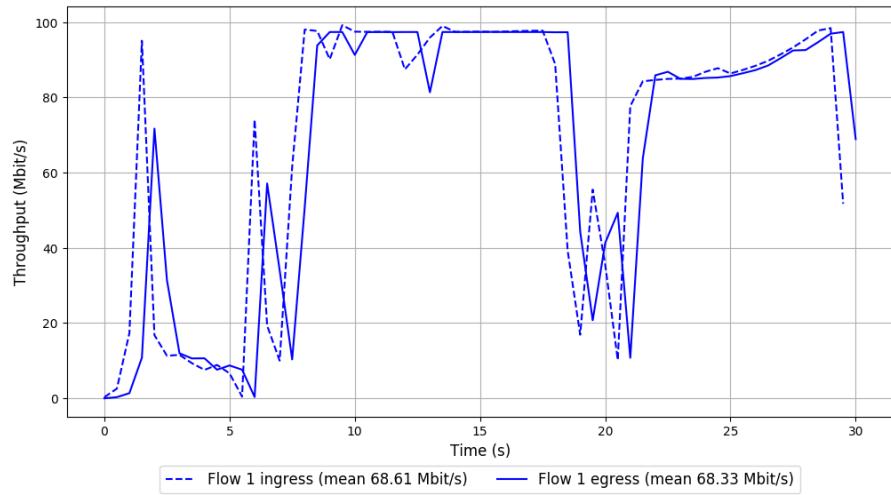


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-21 06:36:37
End at: 2019-01-21 06:37:07
Local clock offset: -5.851 ms
Remote clock offset: 3.303 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.33 Mbit/s
95th percentile per-packet one-way delay: 98.635 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 68.33 Mbit/s
95th percentile per-packet one-way delay: 98.635 ms
Loss rate: 0.37%
```

Run 5: Report of QUIC Cubic — Data Link

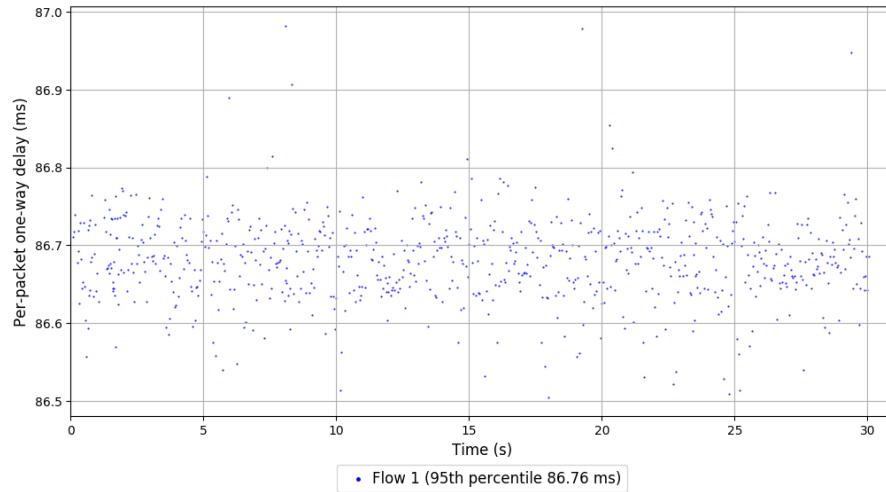
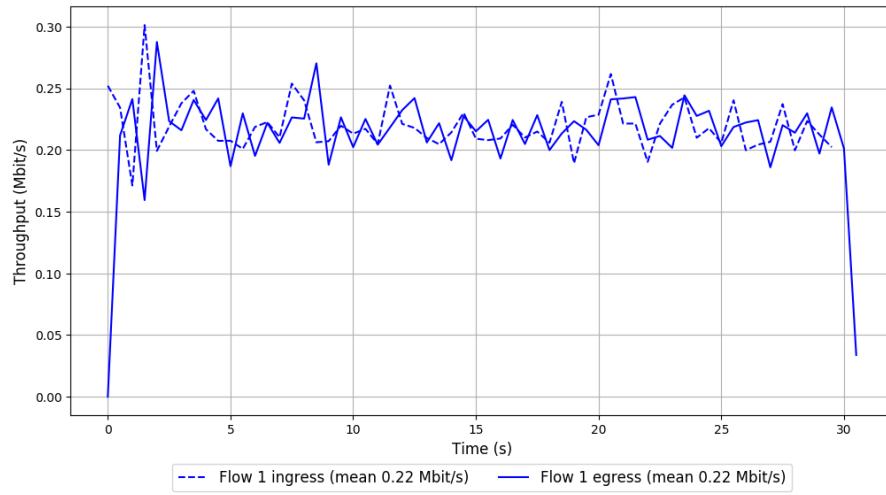


Run 1: Statistics of SCReAM

```
Start at: 2019-01-21 05:00:25
End at: 2019-01-21 05:00:55
Local clock offset: -7.714 ms
Remote clock offset: 7.233 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

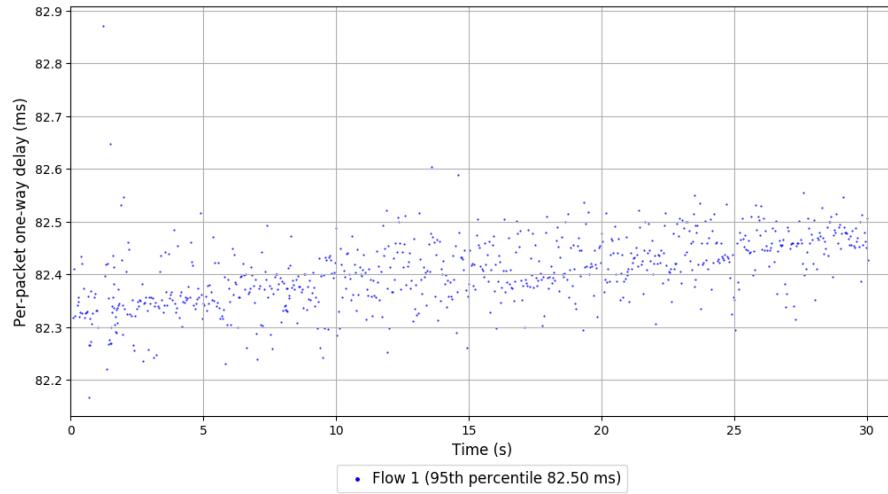
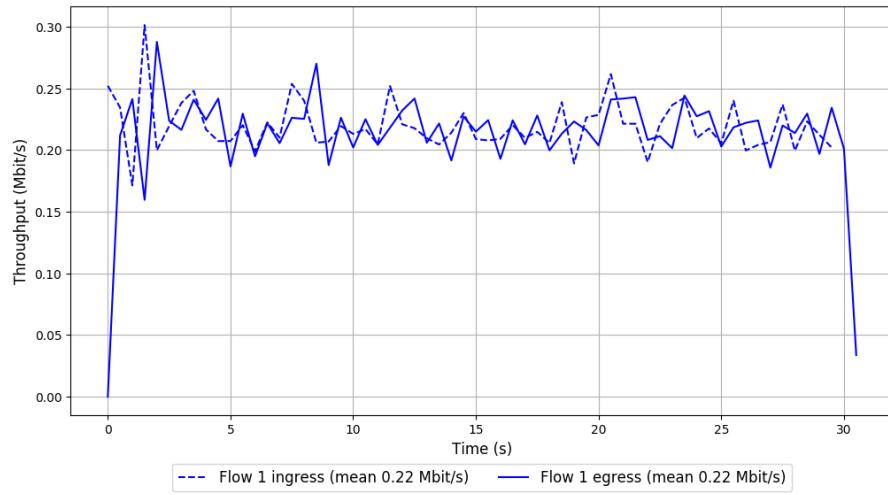


Run 2: Statistics of SCReAM

```
Start at: 2019-01-21 05:25:03
End at: 2019-01-21 05:25:33
Local clock offset: -3.253 ms
Remote clock offset: 3.406 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.505 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

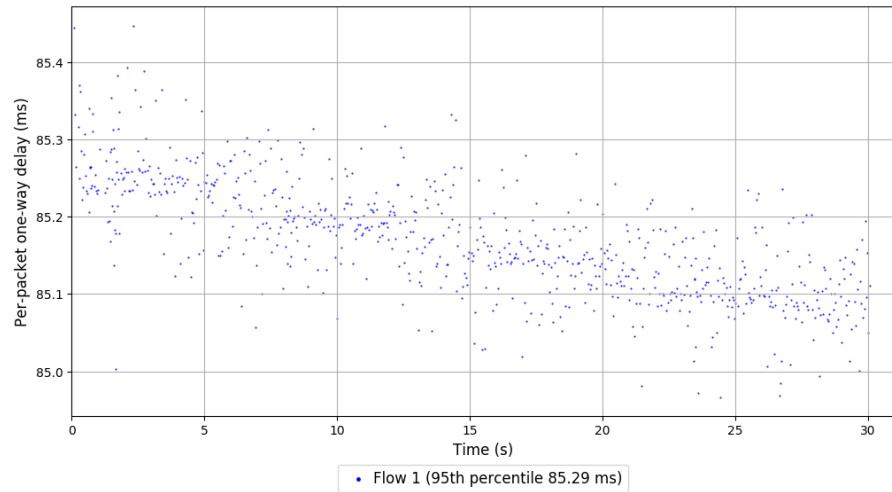
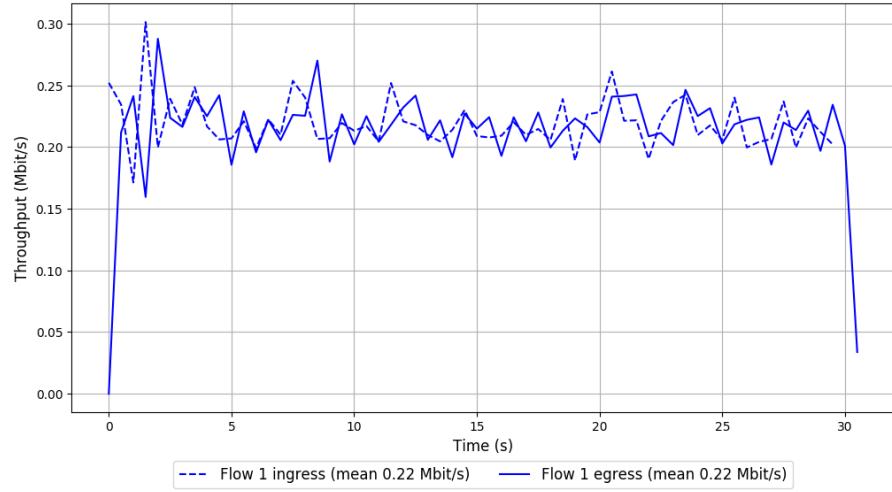


Run 3: Statistics of SCReAM

```
Start at: 2019-01-21 05:49:43
End at: 2019-01-21 05:50:13
Local clock offset: -1.903 ms
Remote clock offset: 6.875 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.288 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

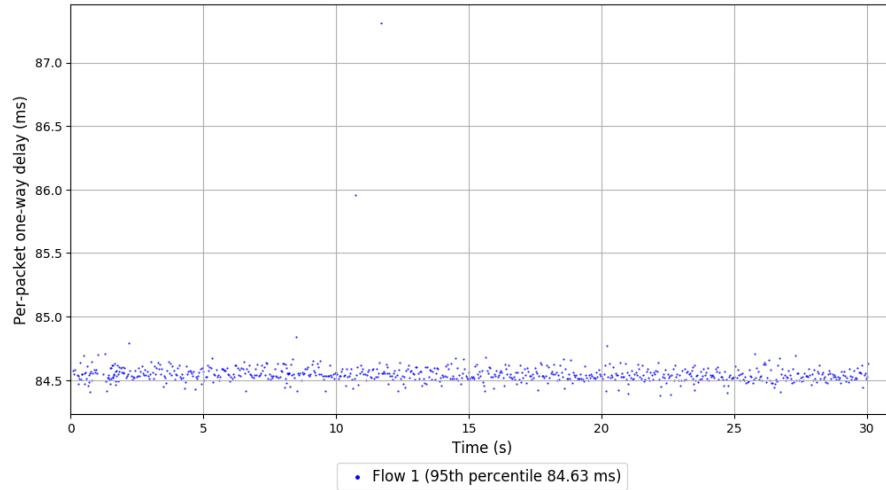
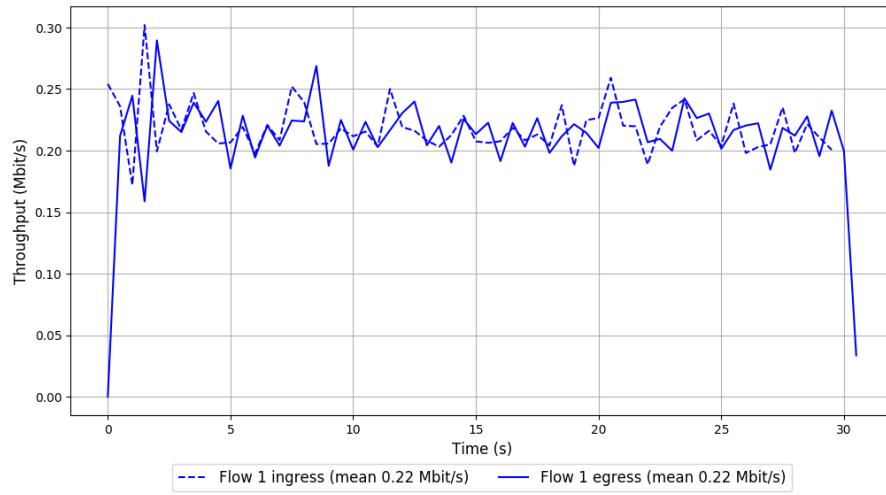


Run 4: Statistics of SCReAM

```
Start at: 2019-01-21 06:14:22
End at: 2019-01-21 06:14:52
Local clock offset: -5.73 ms
Remote clock offset: 6.68 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.630 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

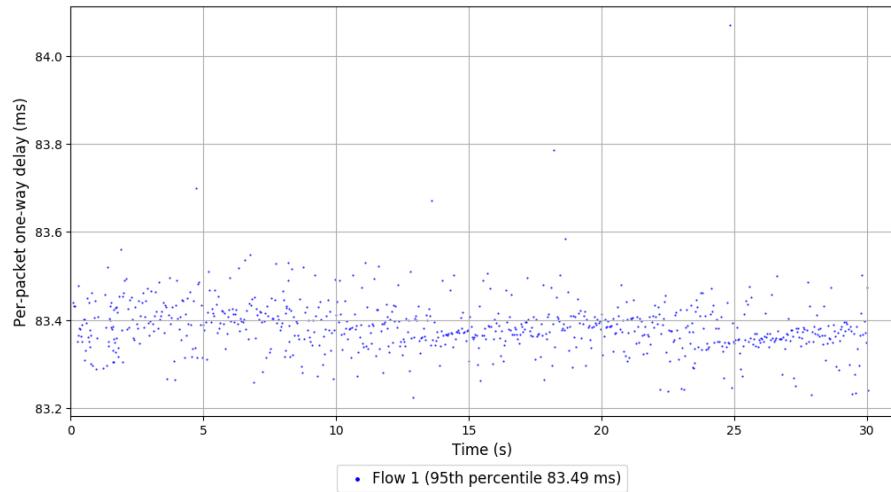
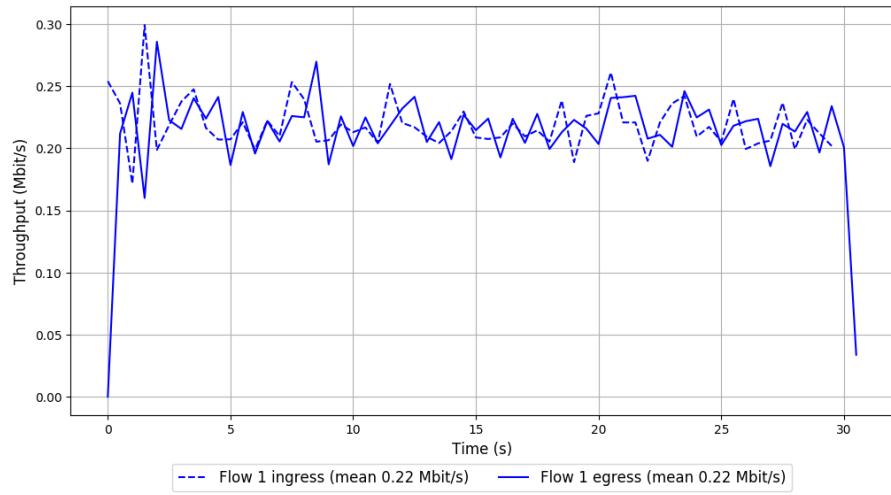


Run 5: Statistics of SCReAM

```
Start at: 2019-01-21 06:39:00
End at: 2019-01-21 06:39:30
Local clock offset: -5.817 ms
Remote clock offset: 3.601 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.486 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

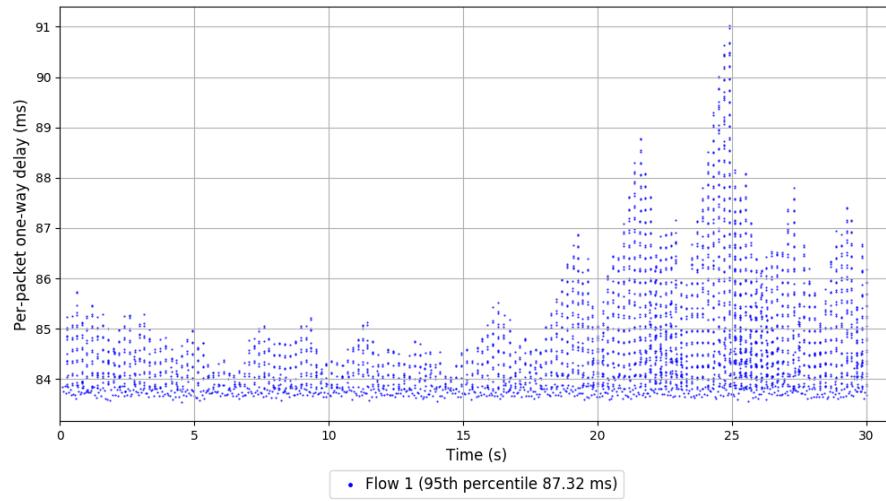
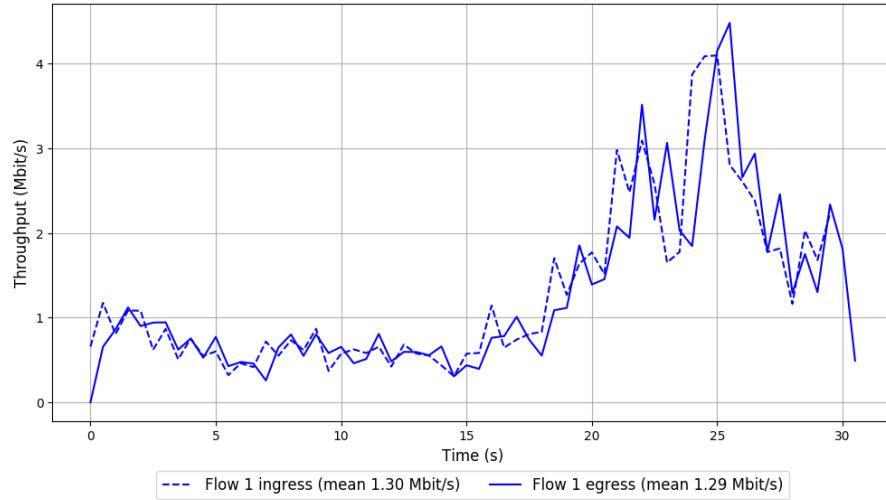


Run 1: Statistics of Sprout

```
Start at: 2019-01-21 05:05:03
End at: 2019-01-21 05:05:33
Local clock offset: -7.006 ms
Remote clock offset: 3.161 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 87.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 87.317 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

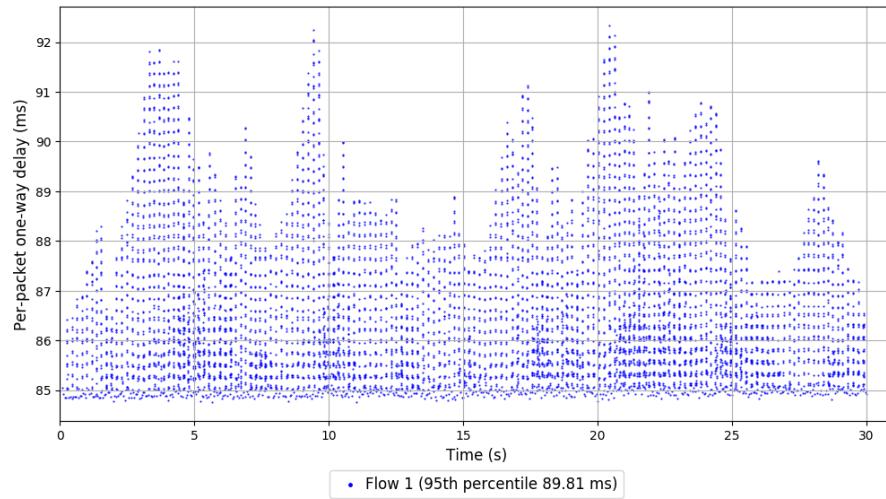
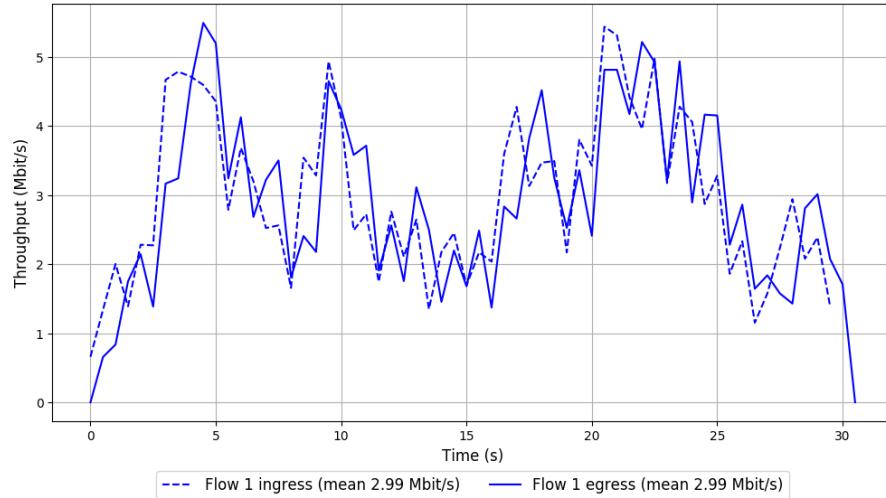


Run 2: Statistics of Sprout

```
Start at: 2019-01-21 05:29:41
End at: 2019-01-21 05:30:11
Local clock offset: -2.987 ms
Remote clock offset: 6.975 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 89.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 89.811 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

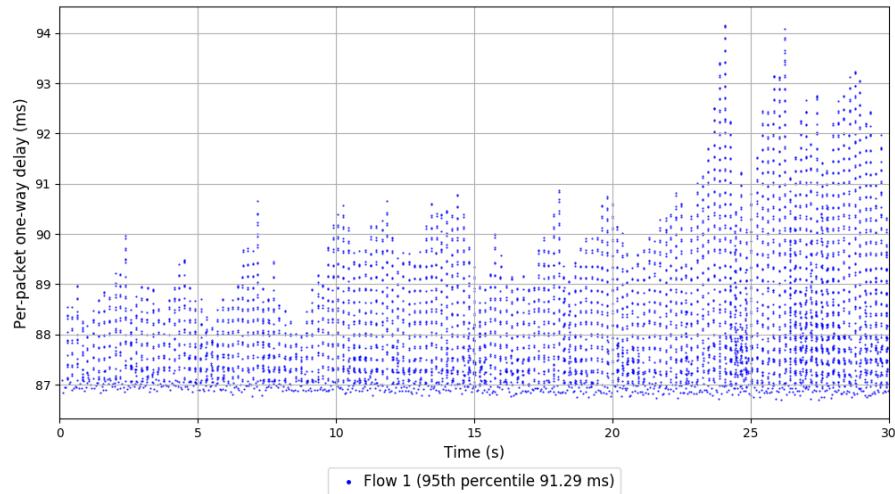
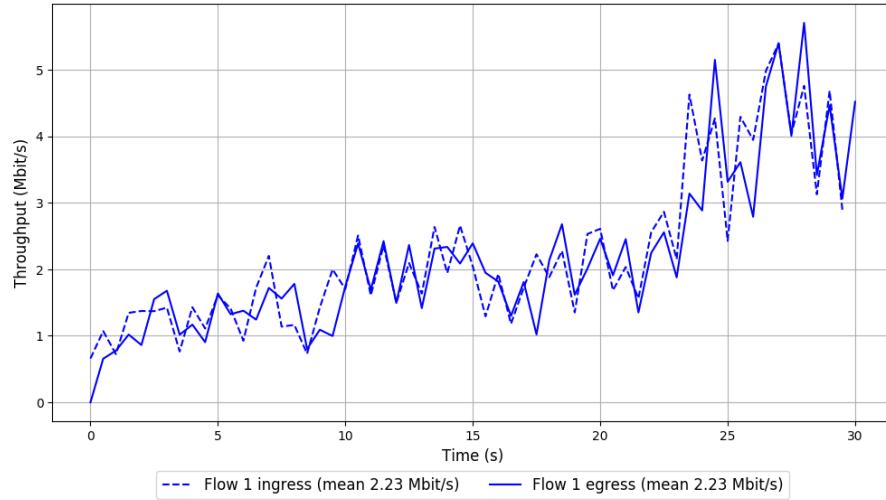


Run 3: Statistics of Sprout

```
Start at: 2019-01-21 05:54:21
End at: 2019-01-21 05:54:51
Local clock offset: -4.268 ms
Remote clock offset: 6.628 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 91.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 91.289 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

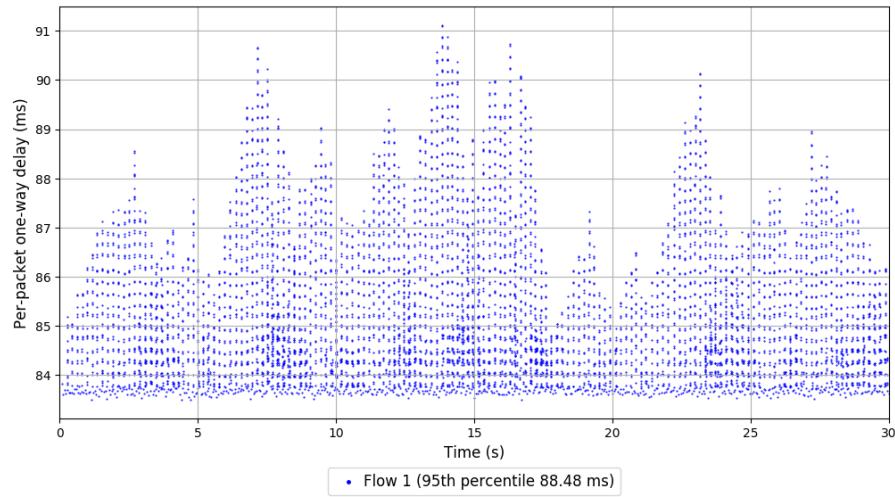
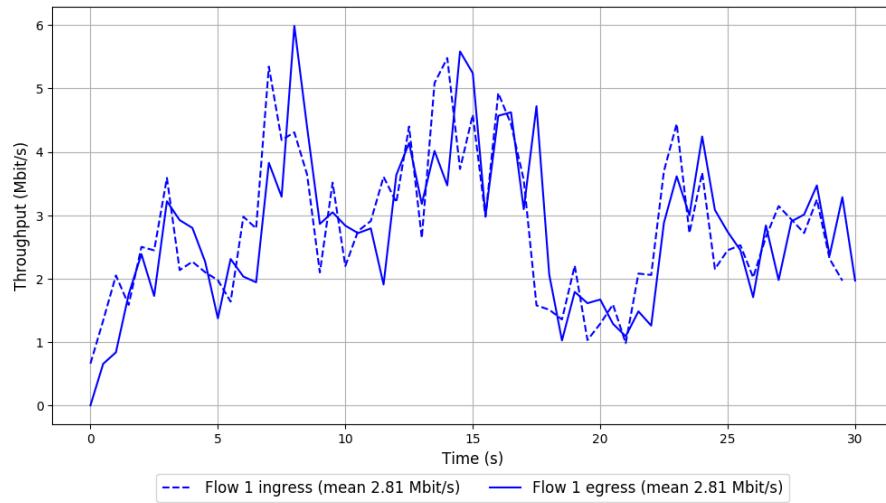


Run 4: Statistics of Sprout

```
Start at: 2019-01-21 06:19:00
End at: 2019-01-21 06:19:30
Local clock offset: -5.699 ms
Remote clock offset: 7.109 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 88.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 88.481 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

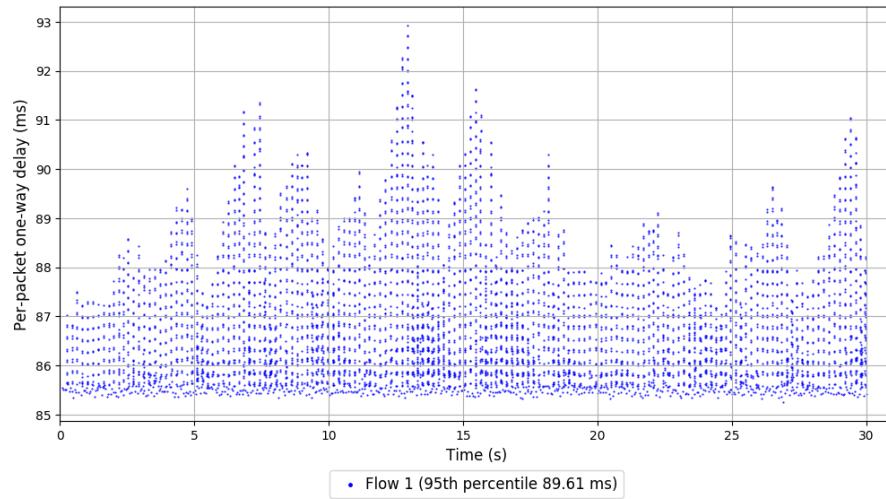
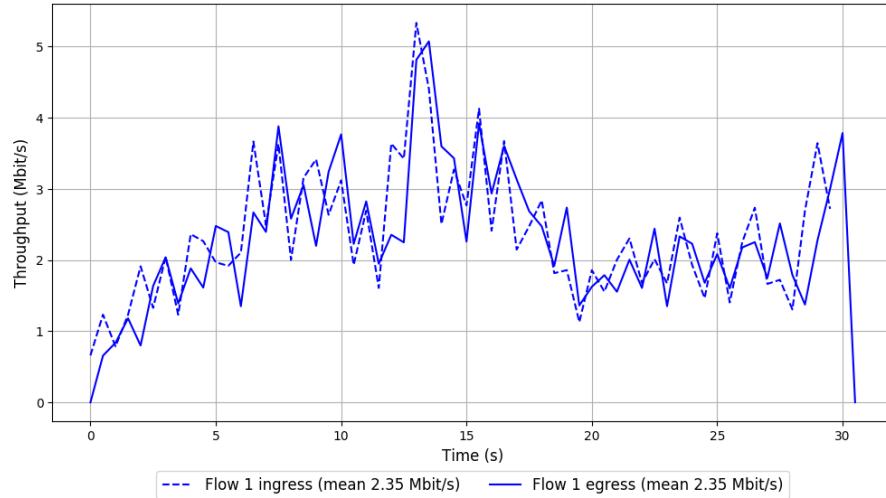


Run 5: Statistics of Sprout

```
Start at: 2019-01-21 06:43:38
End at: 2019-01-21 06:44:08
Local clock offset: -5.891 ms
Remote clock offset: 7.274 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 89.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 89.605 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

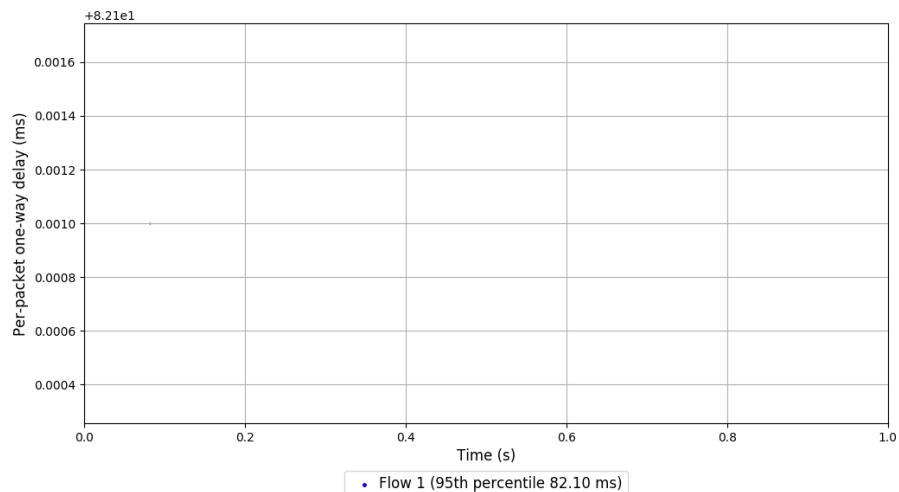
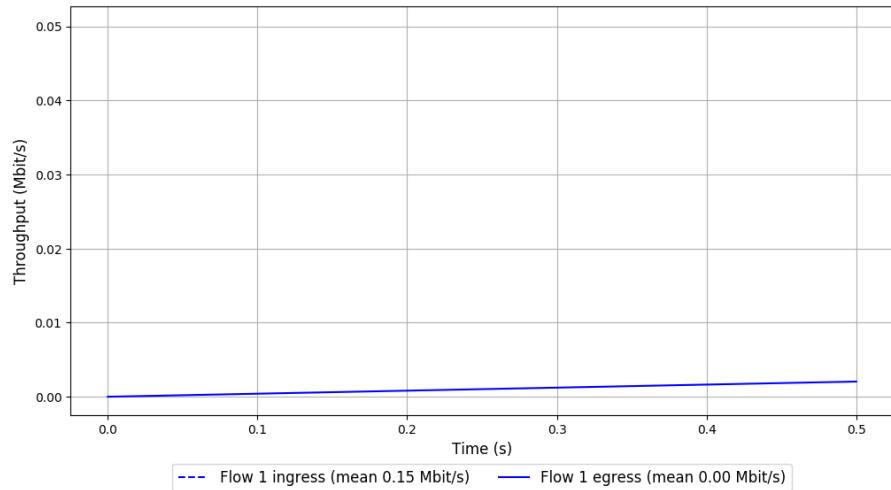
Start at: 2019-01-21 04:54:29

End at: 2019-01-21 04:54:59

Local clock offset: -7.744 ms

Remote clock offset: 3.437 ms

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

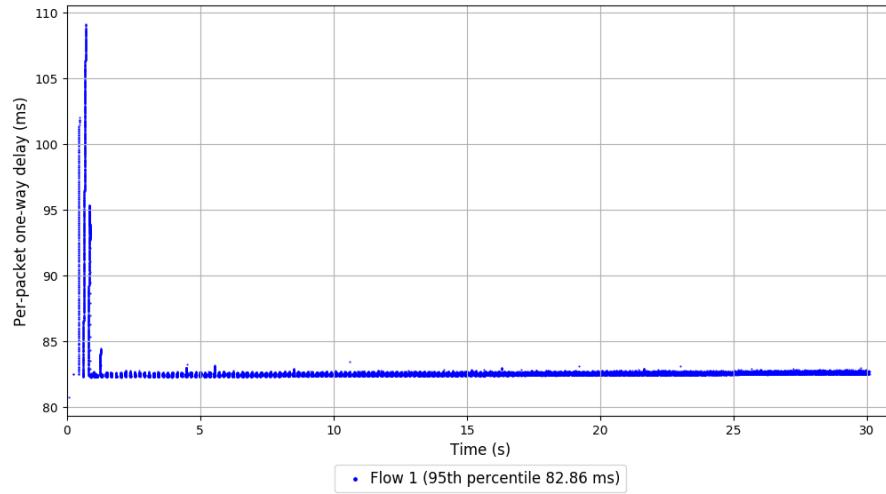
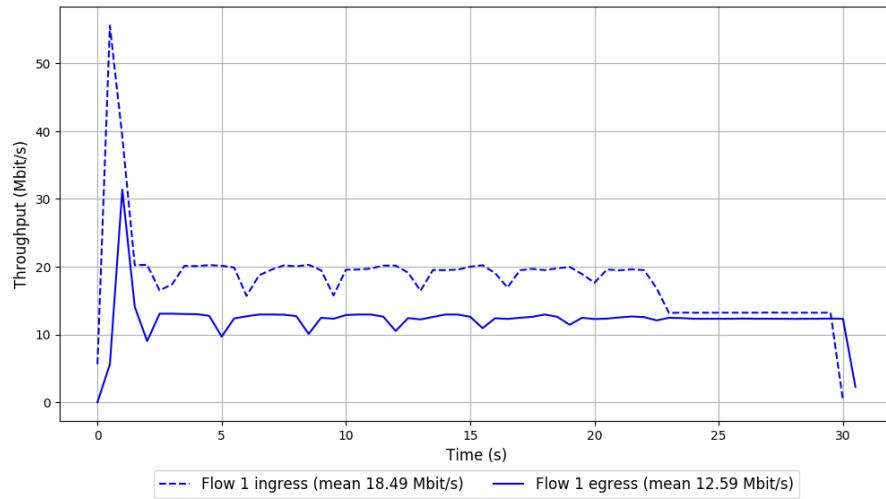


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-01-21 05:19:06
End at: 2019-01-21 05:19:36
Local clock offset: -5.594 ms
Remote clock offset: 3.356 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 82.861 ms
Loss rate: 31.90%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 82.861 ms
Loss rate: 31.90%
```

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

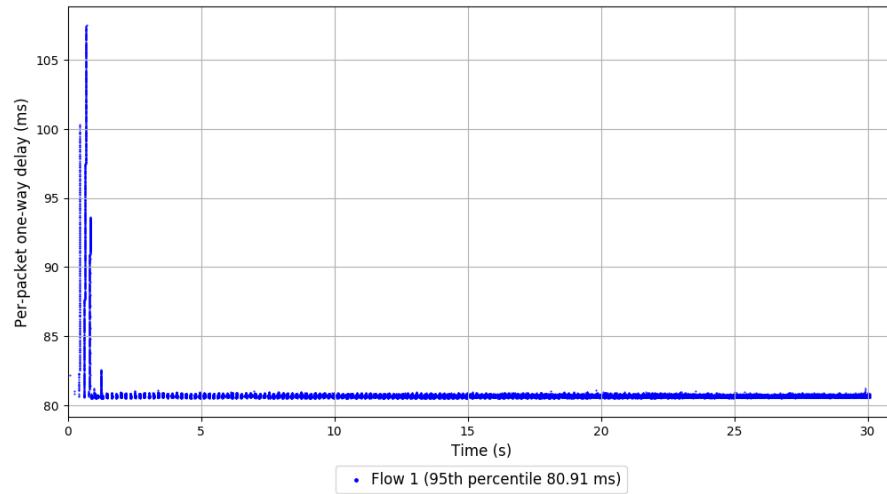
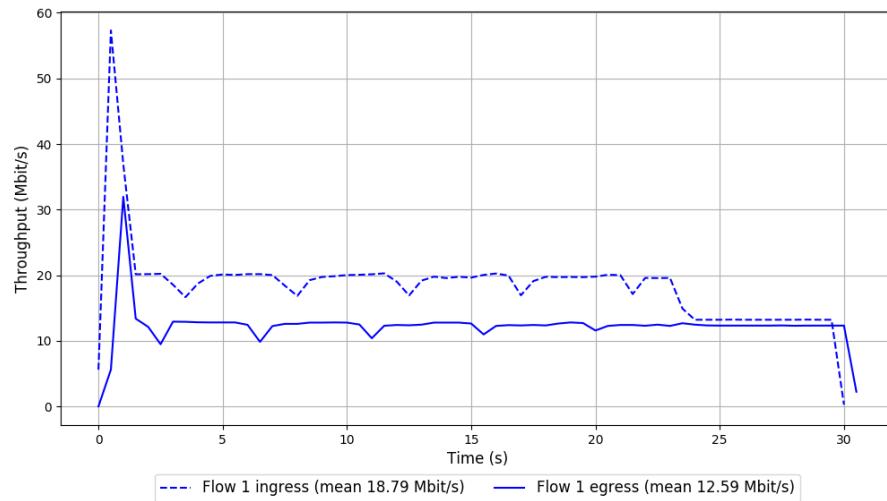


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-01-21 05:43:46
End at: 2019-01-21 05:44:16
Local clock offset: -0.467 ms
Remote clock offset: 3.549 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 80.911 ms
Loss rate: 33.00%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 80.911 ms
Loss rate: 33.00%
```

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

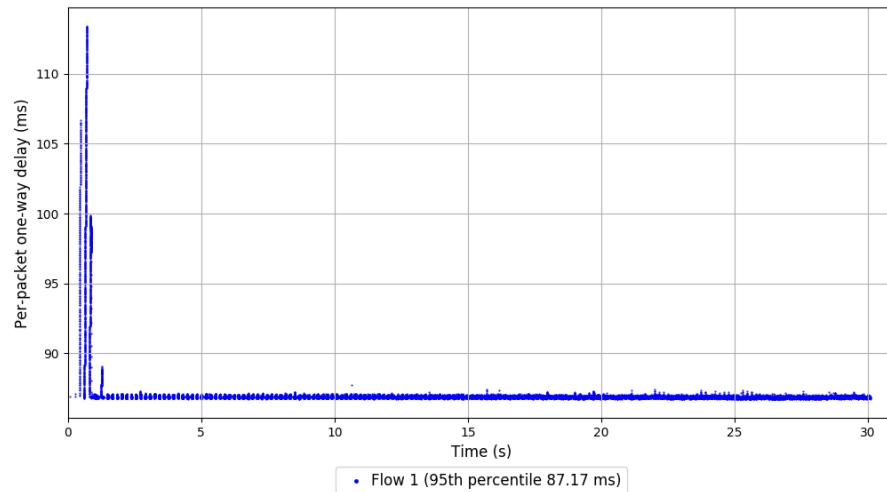
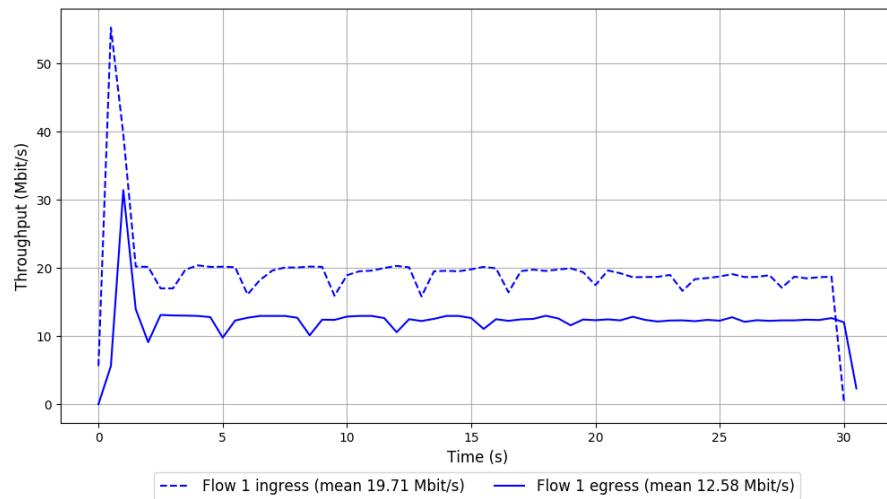


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-01-21 06:08:25
End at: 2019-01-21 06:08:55
Local clock offset: -6.168 ms
Remote clock offset: 7.449 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 87.169 ms
Loss rate: 36.15%
-- Flow 1:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 87.169 ms
Loss rate: 36.15%
```

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

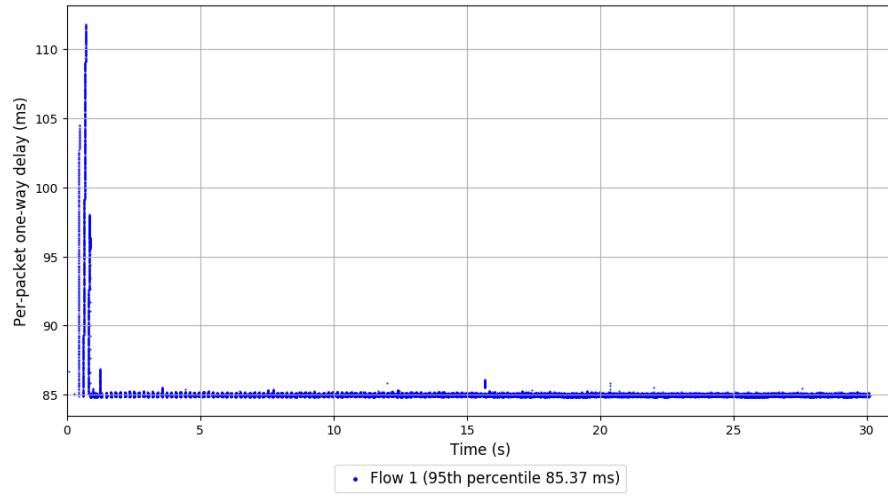
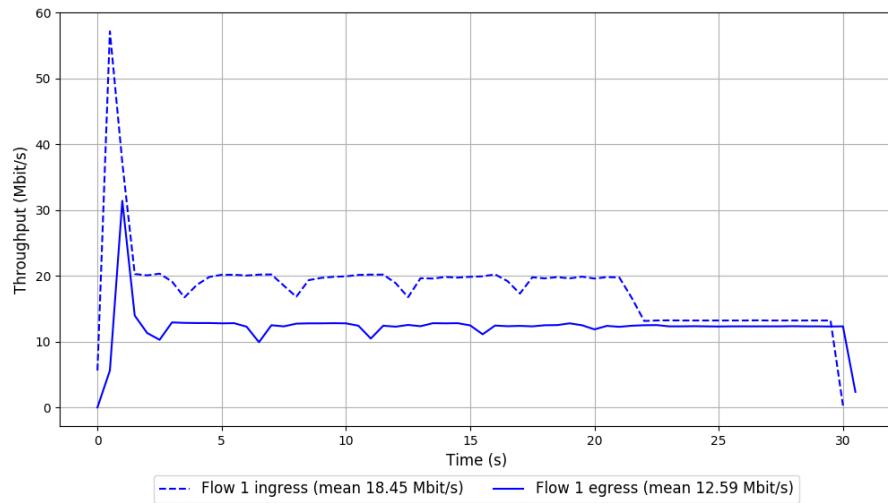


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-01-21 06:33:03
End at: 2019-01-21 06:33:34
Local clock offset: -6.623 ms
Remote clock offset: 7.155 ms

# Below is generated by plot.py at 2019-01-21 07:05:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 85.370 ms
Loss rate: 31.76%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 85.370 ms
Loss rate: 31.76%
```

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

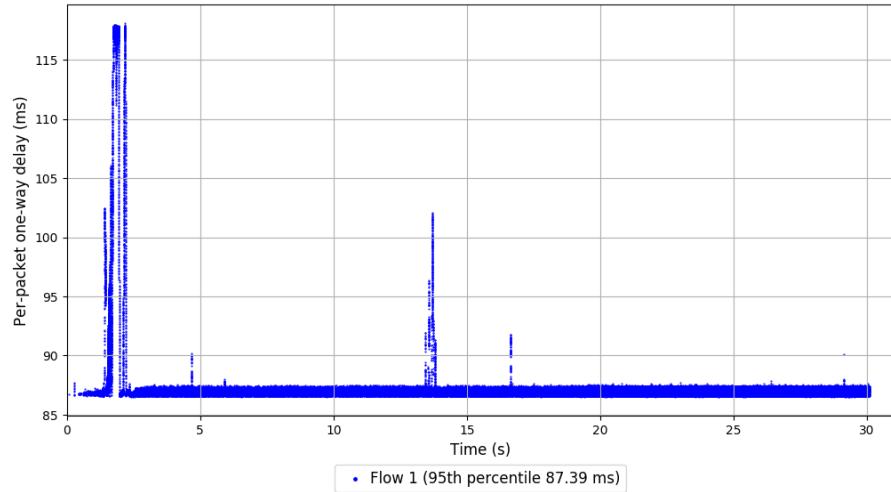
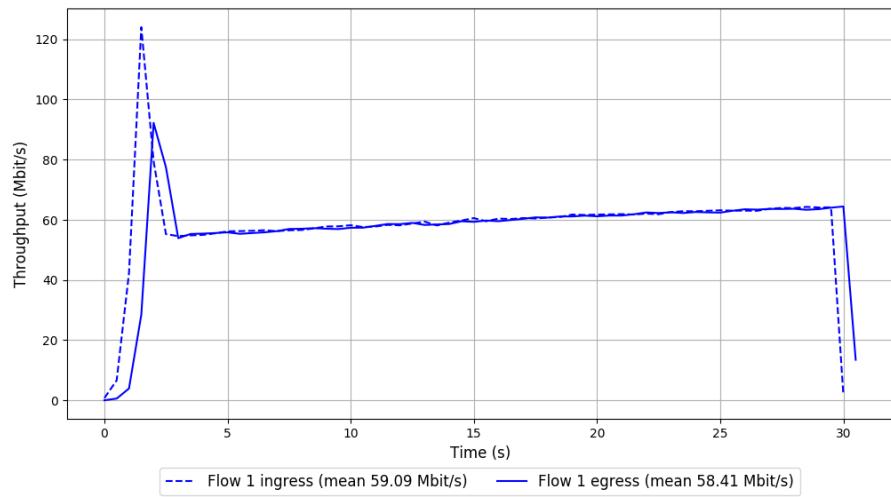


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-21 05:10:58
End at: 2019-01-21 05:11:28
Local clock offset: -7.911 ms
Remote clock offset: 7.091 ms

# Below is generated by plot.py at 2019-01-21 07:05:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 87.388 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 87.388 ms
Loss rate: 1.16%
```

Run 1: Report of TCP Vegas — Data Link

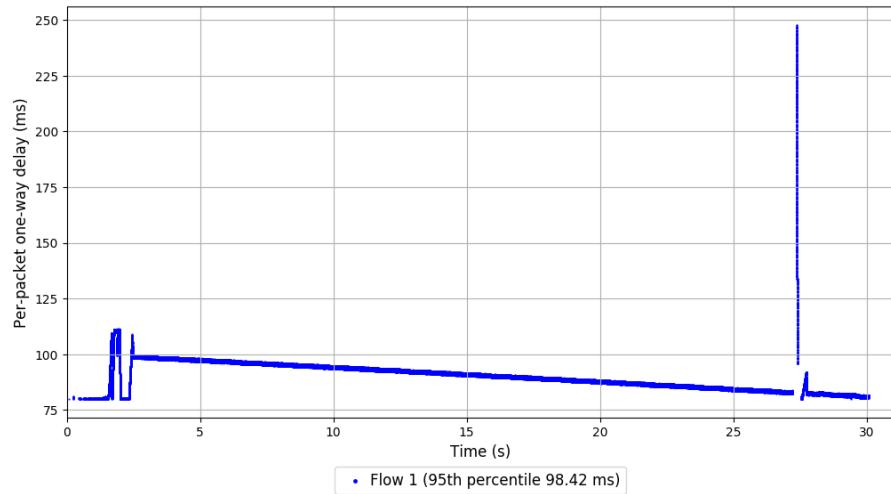
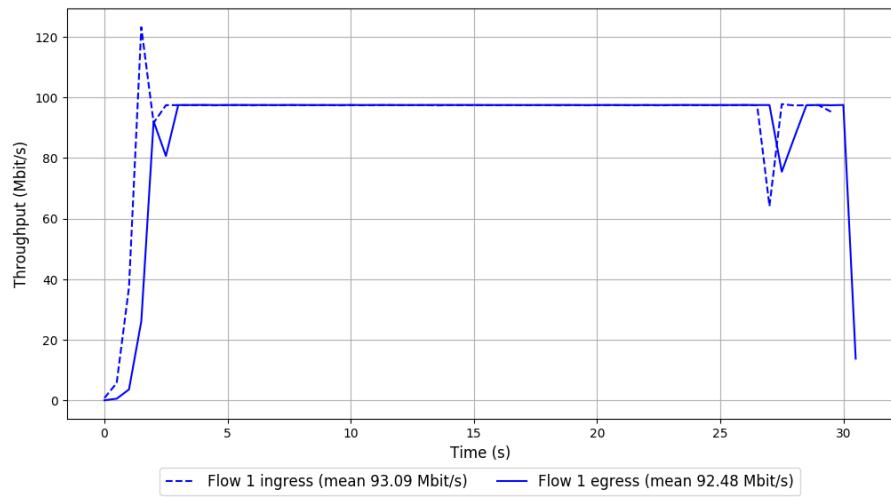


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-21 05:35:37
End at: 2019-01-21 05:36:07
Local clock offset: -1.247 ms
Remote clock offset: 2.916 ms

# Below is generated by plot.py at 2019-01-21 07:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 98.415 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 98.415 ms
Loss rate: 0.65%
```

Run 2: Report of TCP Vegas — Data Link

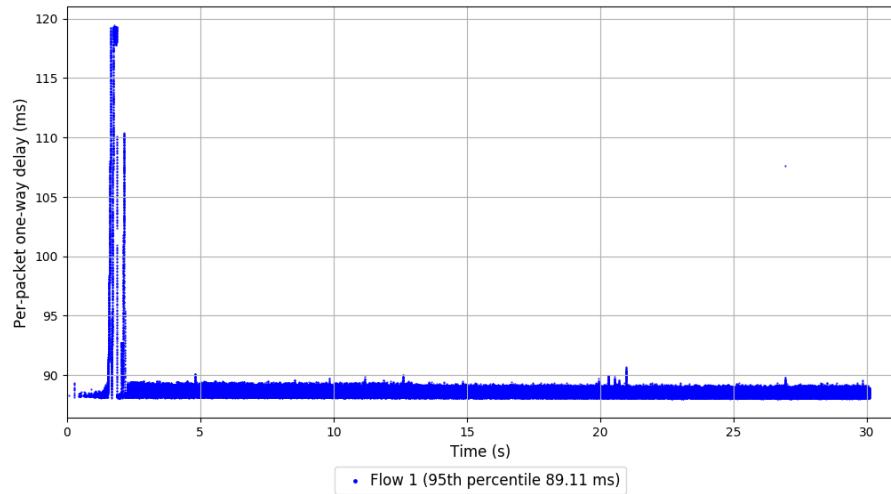
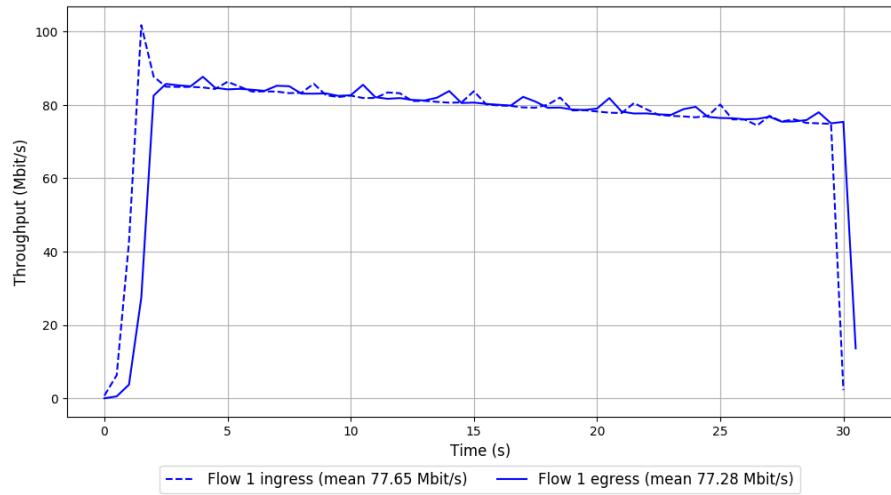


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-21 06:00:16
End at: 2019-01-21 06:00:46
Local clock offset: -5.376 ms
Remote clock offset: 6.88 ms

# Below is generated by plot.py at 2019-01-21 07:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 89.107 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 89.107 ms
Loss rate: 0.48%
```

Run 3: Report of TCP Vegas — Data Link

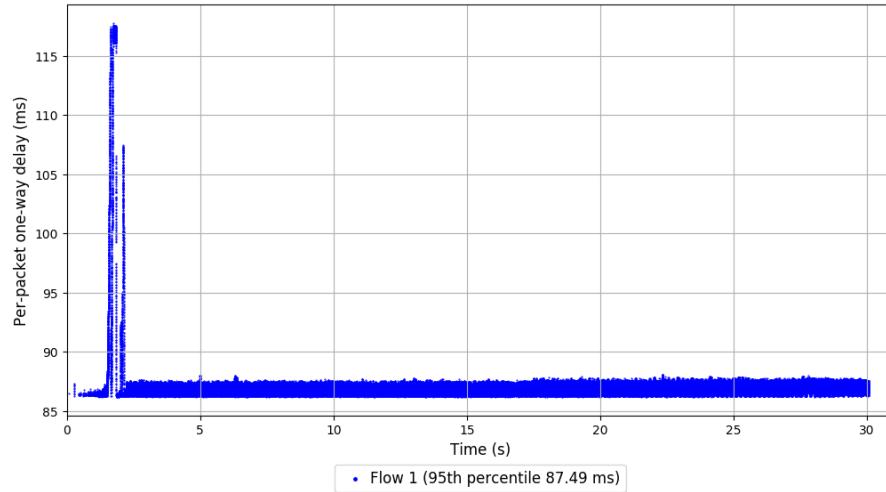
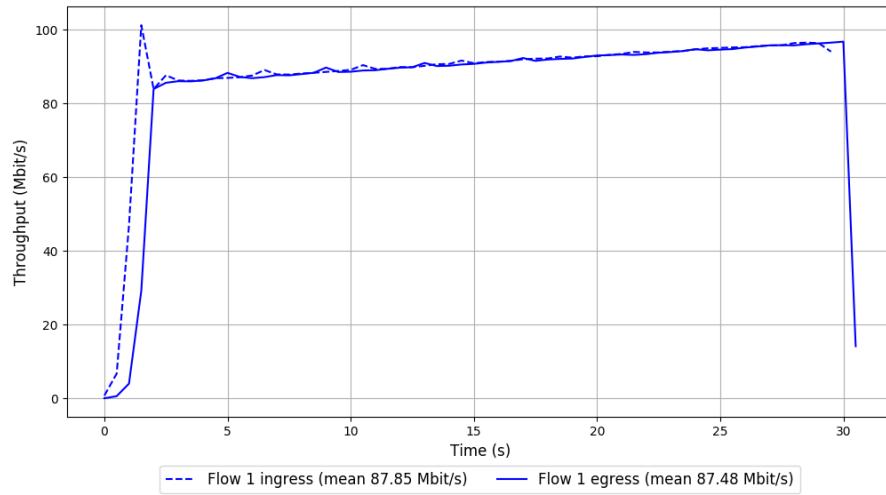


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-21 06:24:55
End at: 2019-01-21 06:25:25
Local clock offset: -6.569 ms
Remote clock offset: 6.865 ms

# Below is generated by plot.py at 2019-01-21 07:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 87.488 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 87.488 ms
Loss rate: 0.41%
```

Run 4: Report of TCP Vegas — Data Link

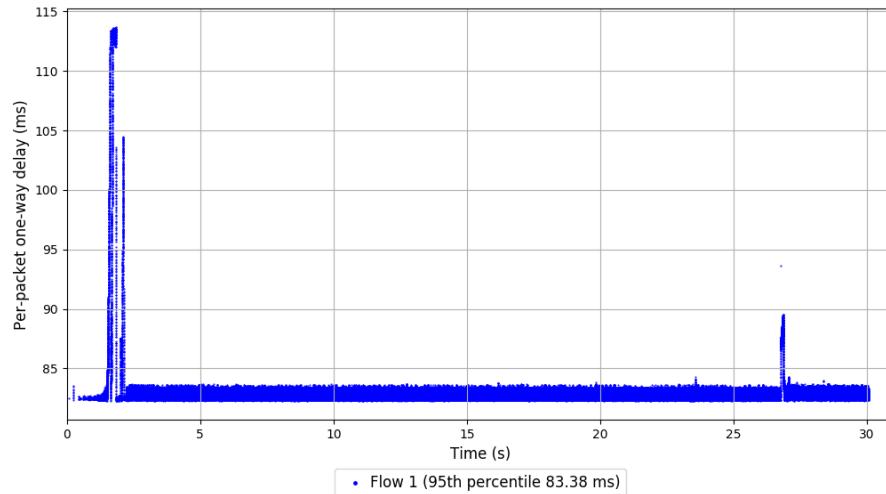
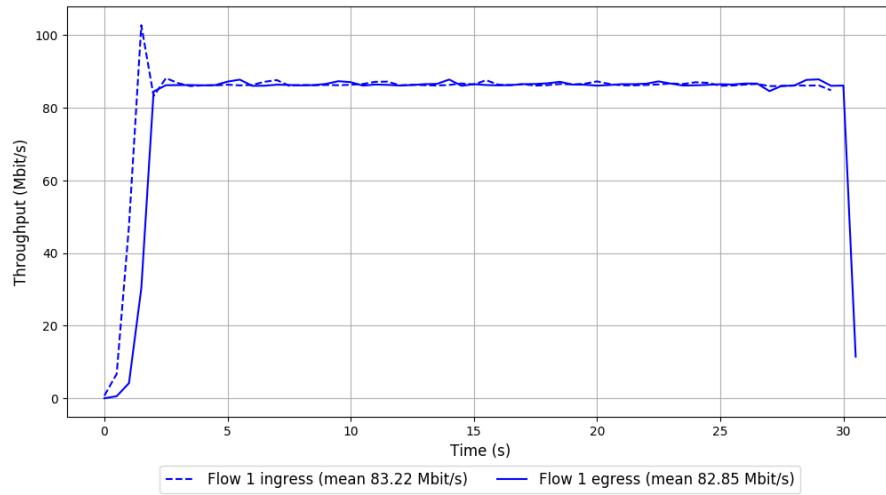


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-21 06:49:33
End at: 2019-01-21 06:50:03
Local clock offset: -6.813 ms
Remote clock offset: 4.127 ms

# Below is generated by plot.py at 2019-01-21 07:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 83.375 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 83.375 ms
Loss rate: 0.44%
```

Run 5: Report of TCP Vegas — Data Link

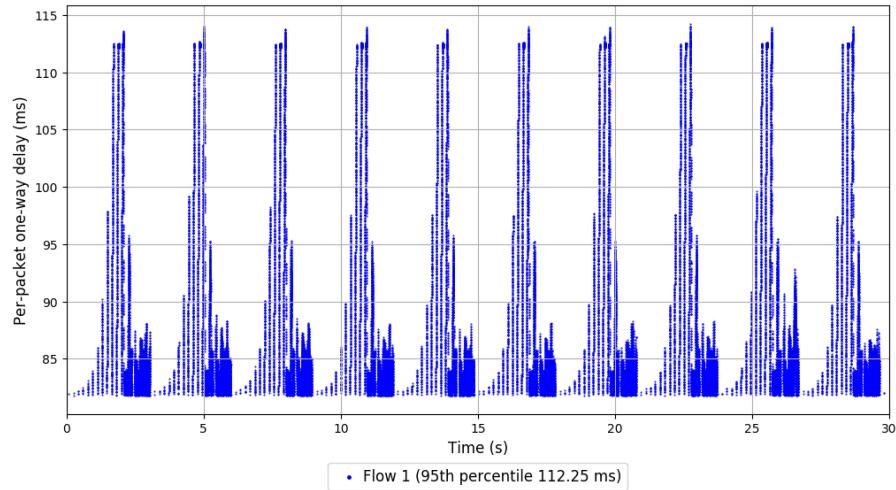
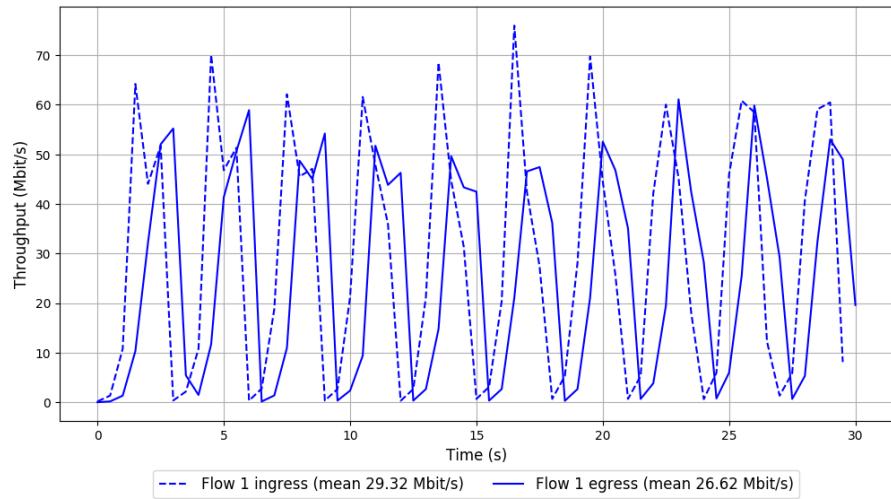


Run 1: Statistics of Verus

```
Start at: 2019-01-21 04:53:20
End at: 2019-01-21 04:53:50
Local clock offset: -6.953 ms
Remote clock offset: 3.435 ms

# Below is generated by plot.py at 2019-01-21 07:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 112.249 ms
Loss rate: 9.20%
-- Flow 1:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 112.249 ms
Loss rate: 9.20%
```

Run 1: Report of Verus — Data Link

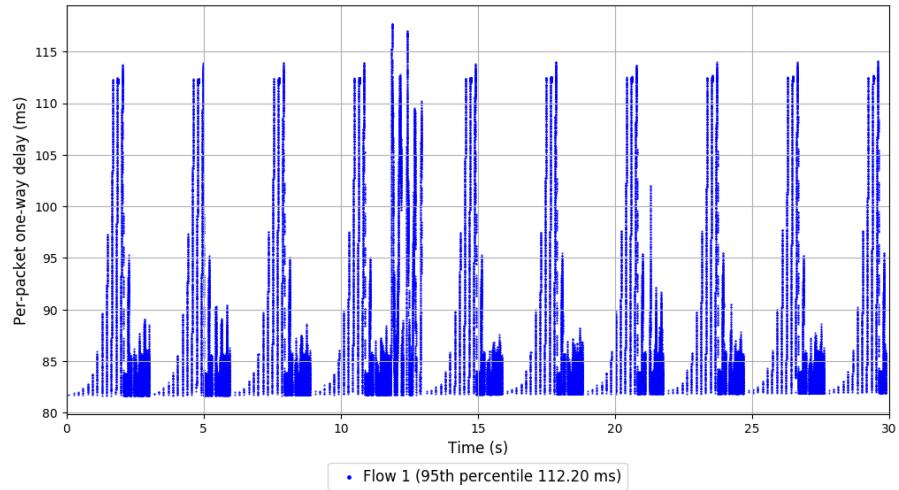
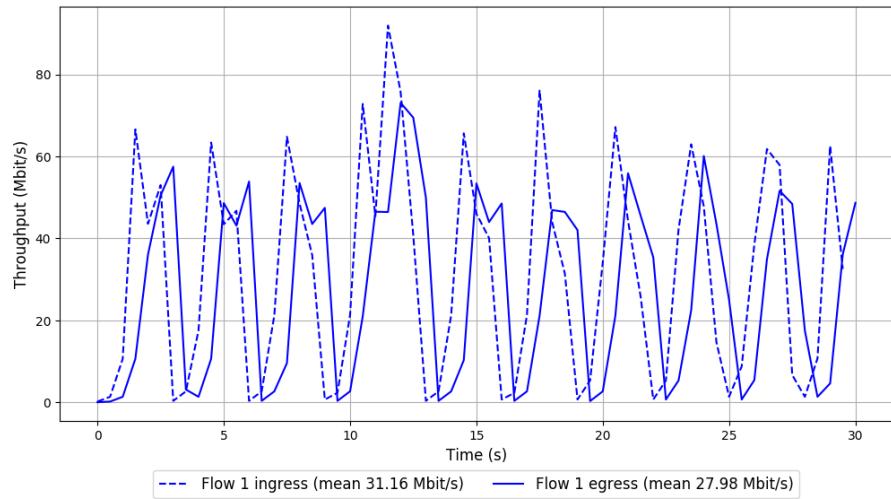


Run 2: Statistics of Verus

```
Start at: 2019-01-21 05:17:56
End at: 2019-01-21 05:18:26
Local clock offset: -7.143 ms
Remote clock offset: 3.475 ms

# Below is generated by plot.py at 2019-01-21 07:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 112.202 ms
Loss rate: 10.19%
-- Flow 1:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 112.202 ms
Loss rate: 10.19%
```

Run 2: Report of Verus — Data Link

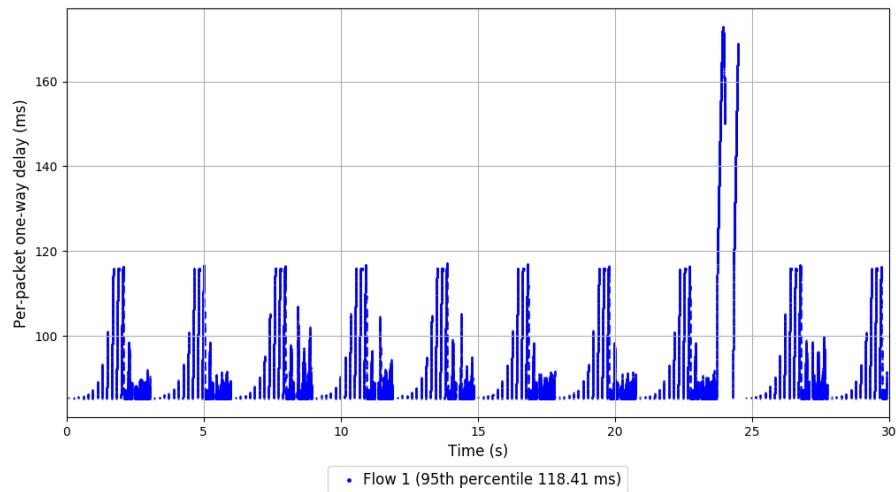
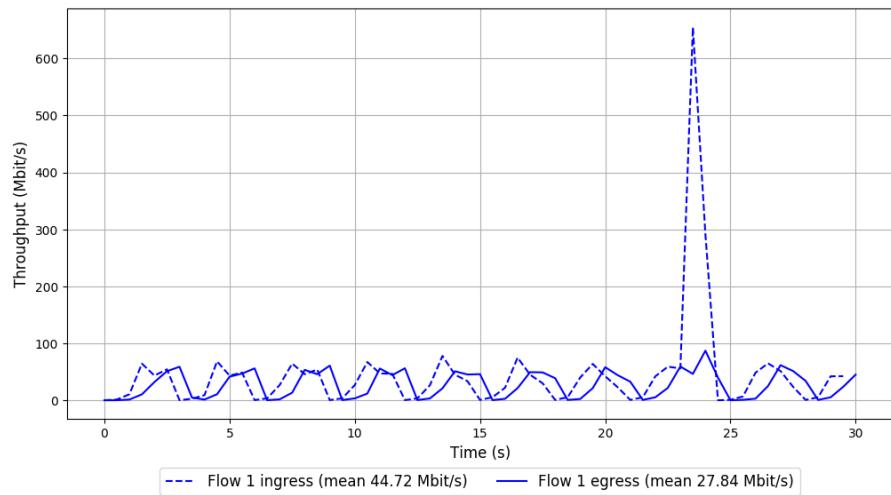


Run 3: Statistics of Verus

```
Start at: 2019-01-21 05:42:36
End at: 2019-01-21 05:43:06
Local clock offset: -0.647 ms
Remote clock offset: 6.947 ms

# Below is generated by plot.py at 2019-01-21 07:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 118.407 ms
Loss rate: 37.73%
-- Flow 1:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 118.407 ms
Loss rate: 37.73%
```

Run 3: Report of Verus — Data Link

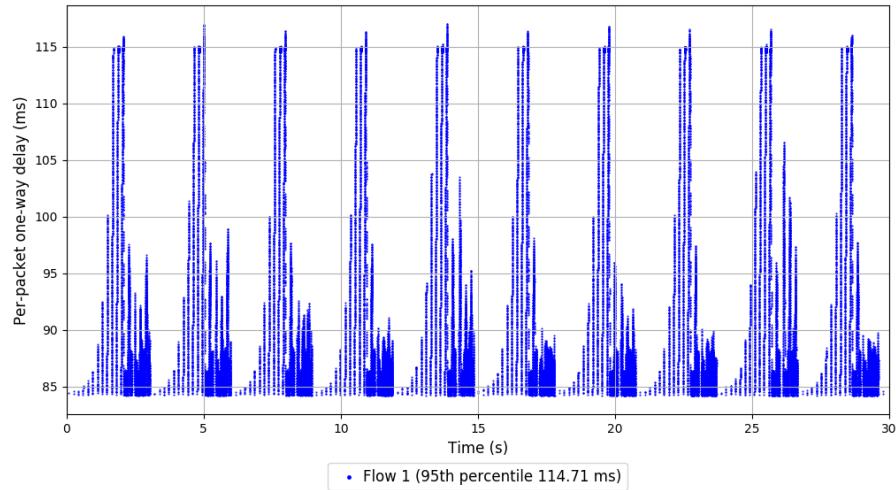
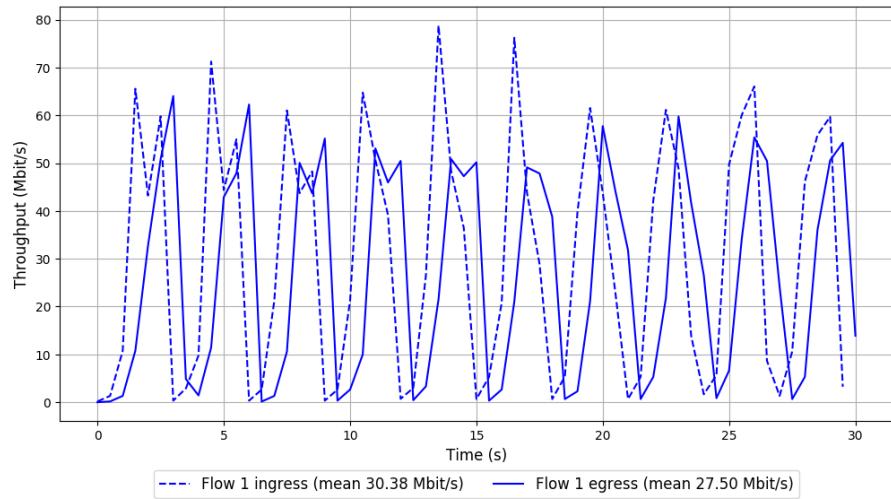


Run 4: Statistics of Verus

```
Start at: 2019-01-21 06:07:15
End at: 2019-01-21 06:07:45
Local clock offset: -5.245 ms
Remote clock offset: 6.545 ms

# Below is generated by plot.py at 2019-01-21 07:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 114.706 ms
Loss rate: 9.50%
-- Flow 1:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 114.706 ms
Loss rate: 9.50%
```

Run 4: Report of Verus — Data Link

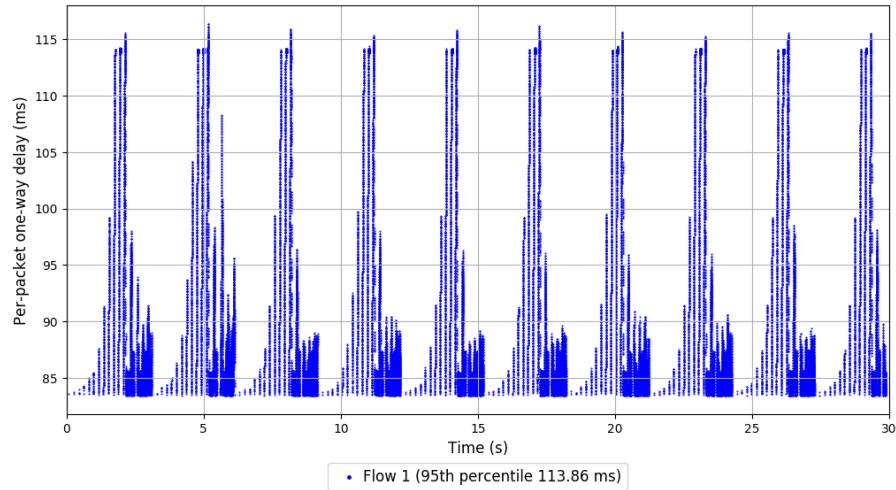
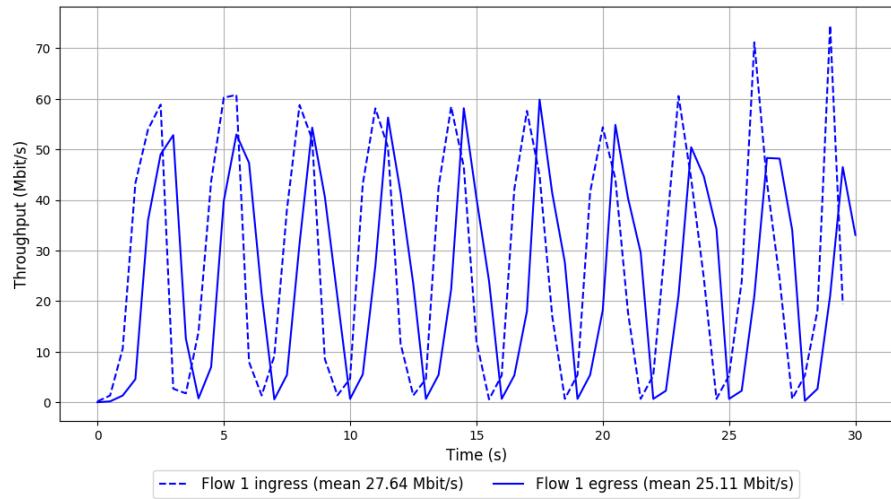


Run 5: Statistics of Verus

```
Start at: 2019-01-21 06:31:54
End at: 2019-01-21 06:32:24
Local clock offset: -6.566 ms
Remote clock offset: 3.68 ms

# Below is generated by plot.py at 2019-01-21 07:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.11 Mbit/s
95th percentile per-packet one-way delay: 113.861 ms
Loss rate: 9.16%
-- Flow 1:
Average throughput: 25.11 Mbit/s
95th percentile per-packet one-way delay: 113.861 ms
Loss rate: 9.16%
```

Run 5: Report of Verus — Data Link

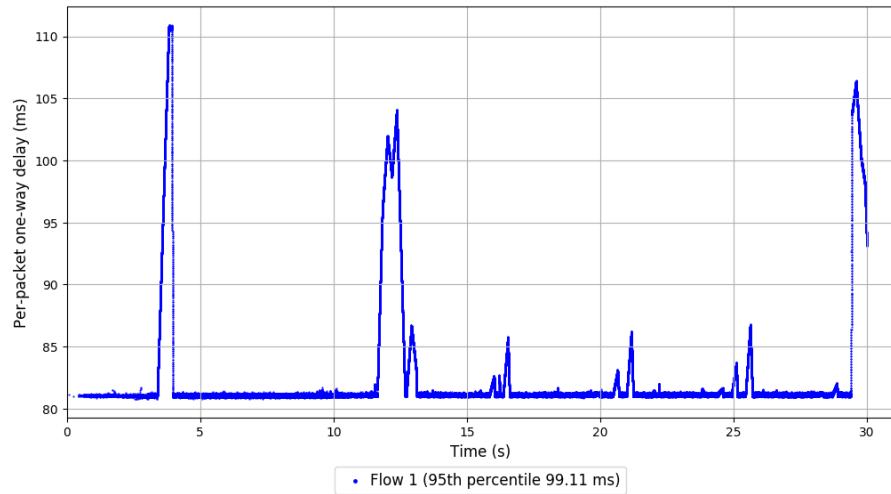
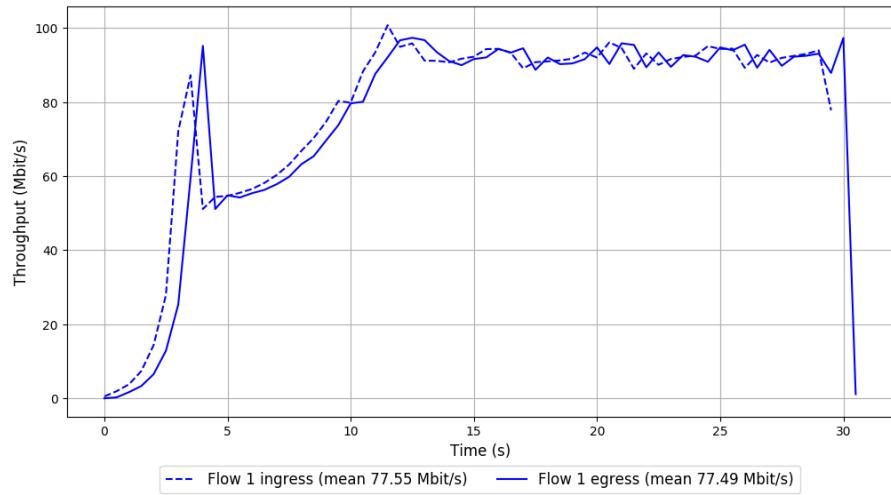


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-21 05:07:22
End at: 2019-01-21 05:07:52
Local clock offset: -7.901 ms
Remote clock offset: 3.119 ms

# Below is generated by plot.py at 2019-01-21 07:06:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.49 Mbit/s
95th percentile per-packet one-way delay: 99.111 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.49 Mbit/s
95th percentile per-packet one-way delay: 99.111 ms
Loss rate: 0.04%
```

Run 1: Report of PCC-Vivace — Data Link

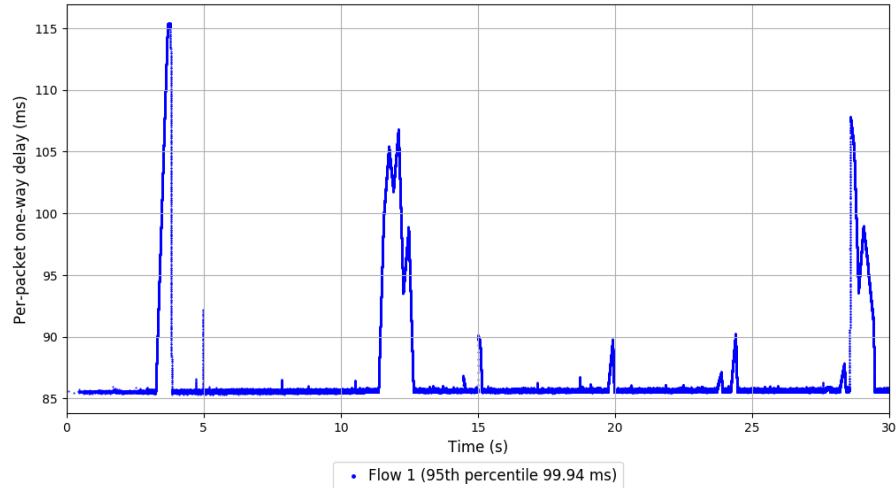
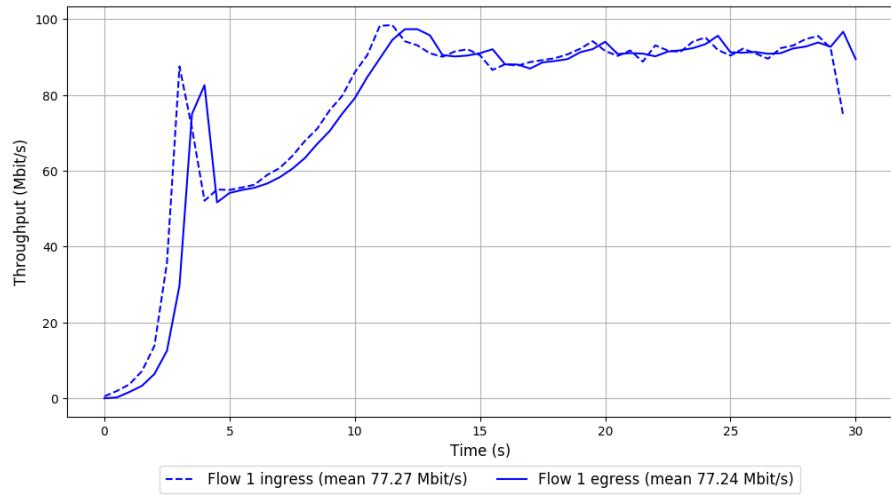


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-21 05:32:01
End at: 2019-01-21 05:32:31
Local clock offset: -2.674 ms
Remote clock offset: 7.259 ms

# Below is generated by plot.py at 2019-01-21 07:06:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 99.935 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 99.935 ms
Loss rate: 0.03%
```

Run 2: Report of PCC-Vivace — Data Link

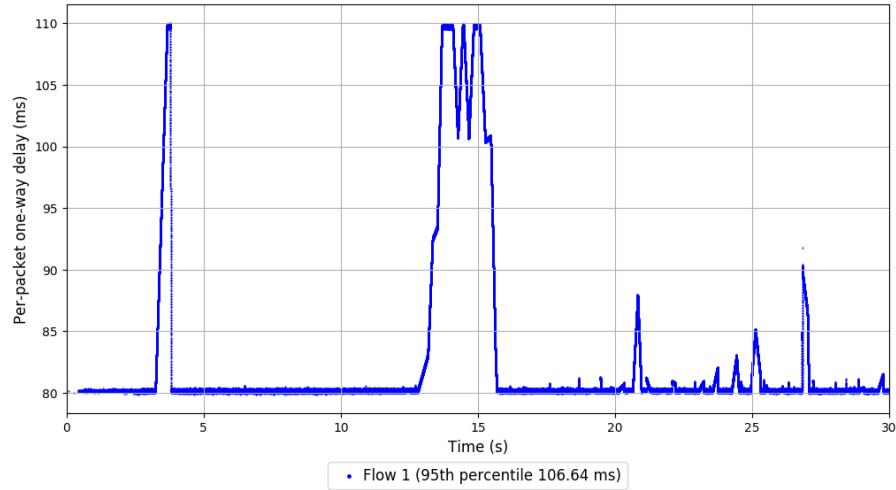
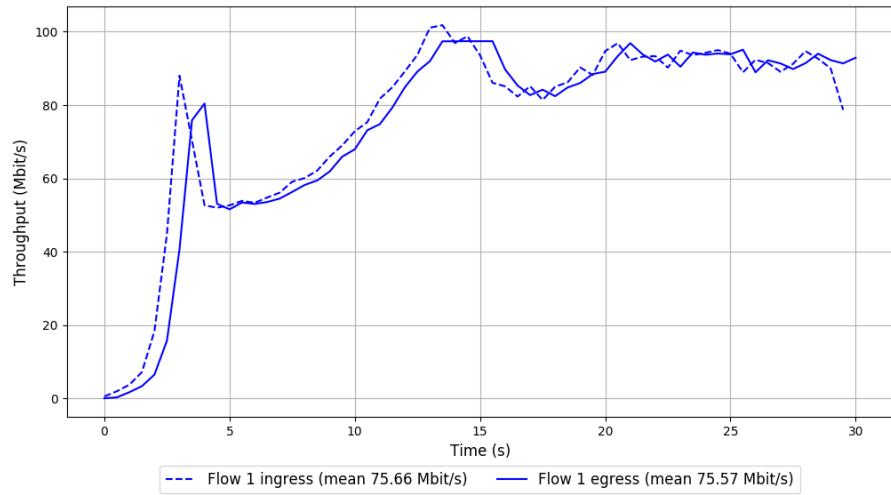


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-21 05:56:41
End at: 2019-01-21 05:57:11
Local clock offset: -4.005 ms
Remote clock offset: 3.548 ms

# Below is generated by plot.py at 2019-01-21 07:06:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.57 Mbit/s
95th percentile per-packet one-way delay: 106.637 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 75.57 Mbit/s
95th percentile per-packet one-way delay: 106.637 ms
Loss rate: 0.12%
```

Run 3: Report of PCC-Vivace — Data Link

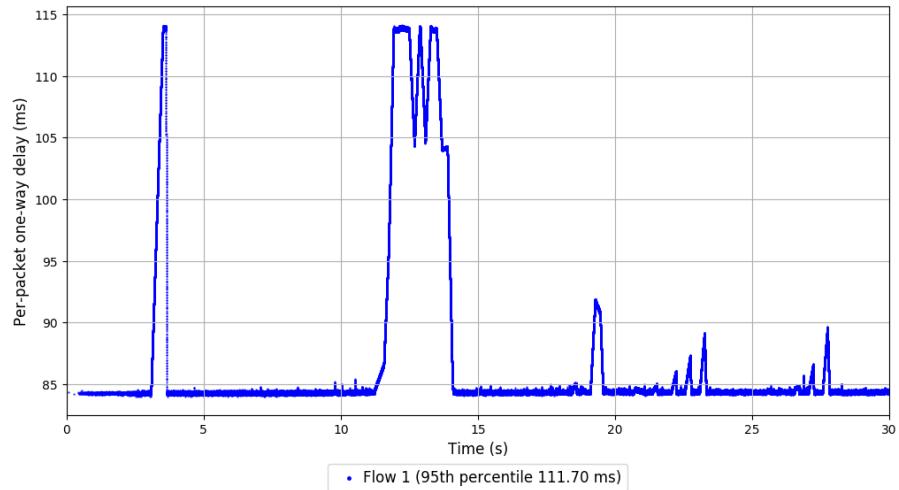
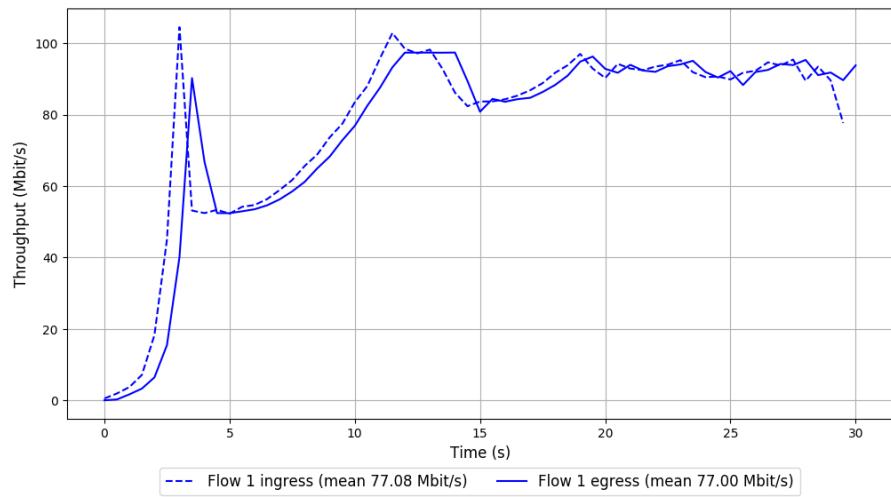


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-21 06:21:19
End at: 2019-01-21 06:21:49
Local clock offset: -5.688 ms
Remote clock offset: 6.885 ms

# Below is generated by plot.py at 2019-01-21 07:06:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 111.705 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 111.705 ms
Loss rate: 0.10%
```

Run 4: Report of PCC-Vivace — Data Link

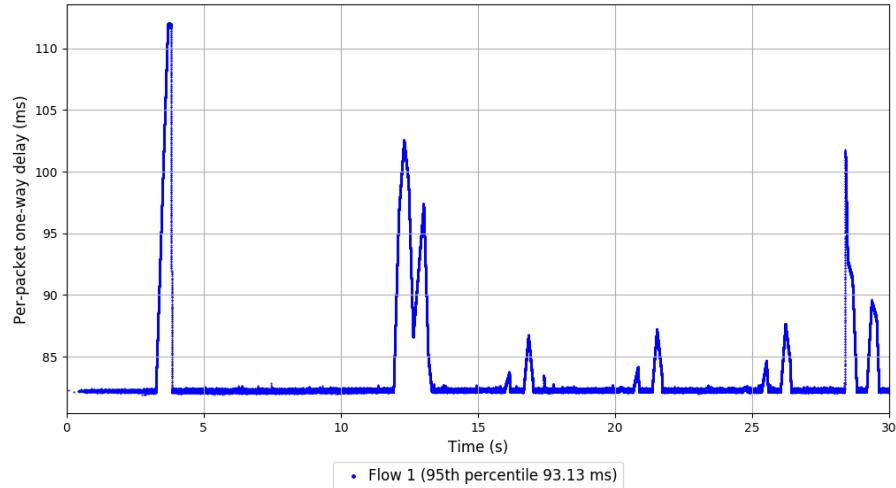
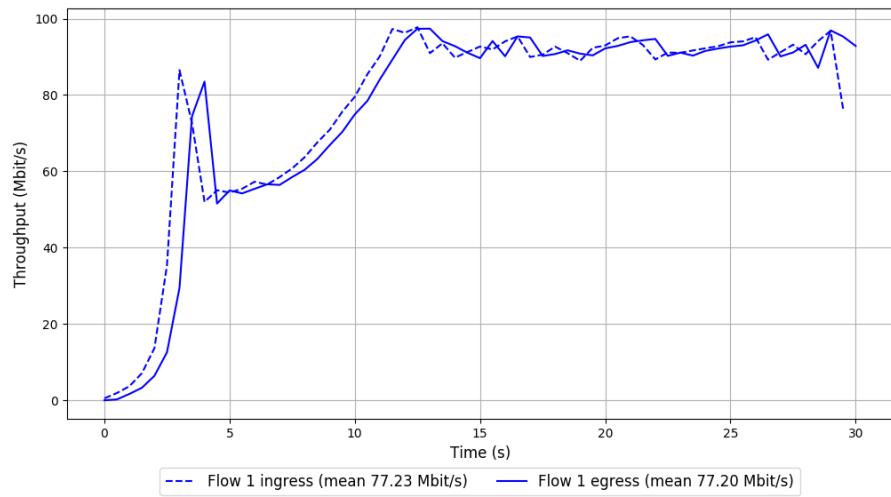


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-21 06:45:58
End at: 2019-01-21 06:46:28
Local clock offset: -5.94 ms
Remote clock offset: 3.963 ms

# Below is generated by plot.py at 2019-01-21 07:06:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 93.133 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 93.133 ms
Loss rate: 0.04%
```

Run 5: Report of PCC-Vivace — Data Link

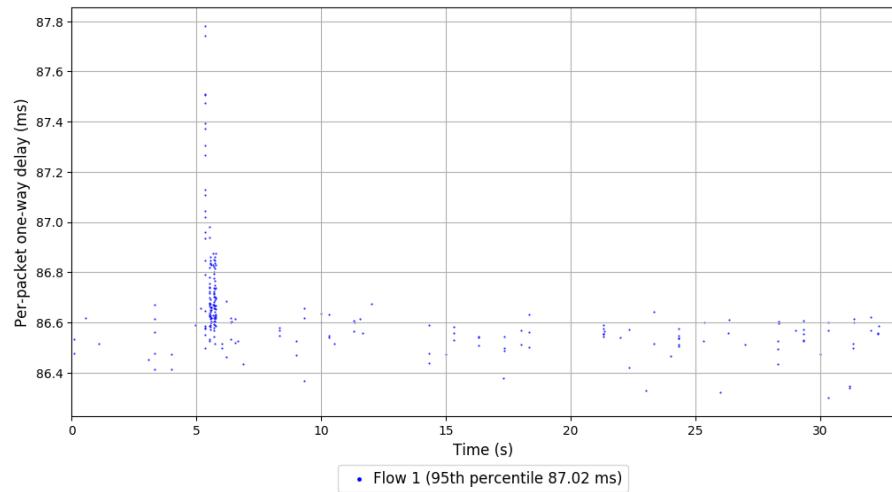
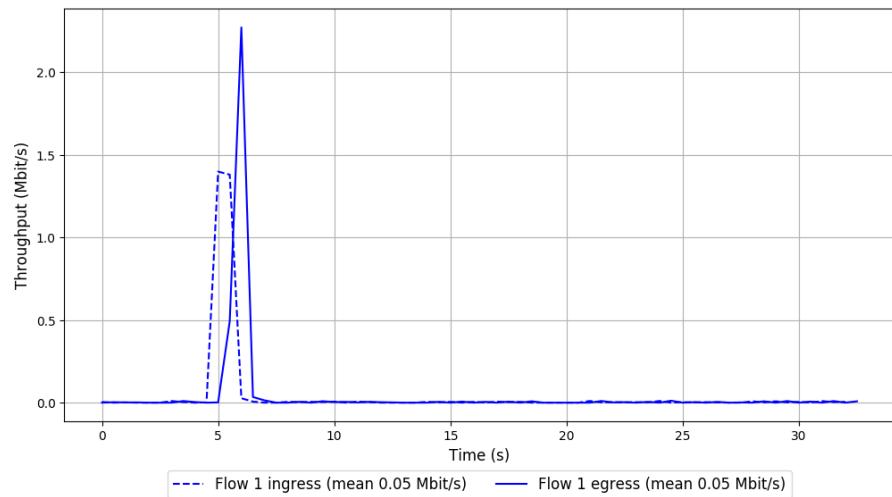


Run 1: Statistics of WebRTC media

```
Start at: 2019-01-21 05:02:44
End at: 2019-01-21 05:03:14
Local clock offset: -7.742 ms
Remote clock offset: 7.112 ms

# Below is generated by plot.py at 2019-01-21 07:06:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.021 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

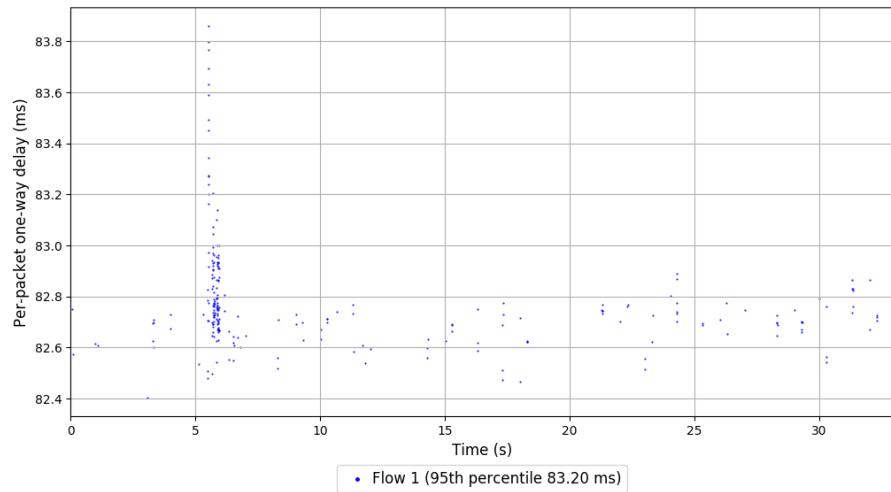
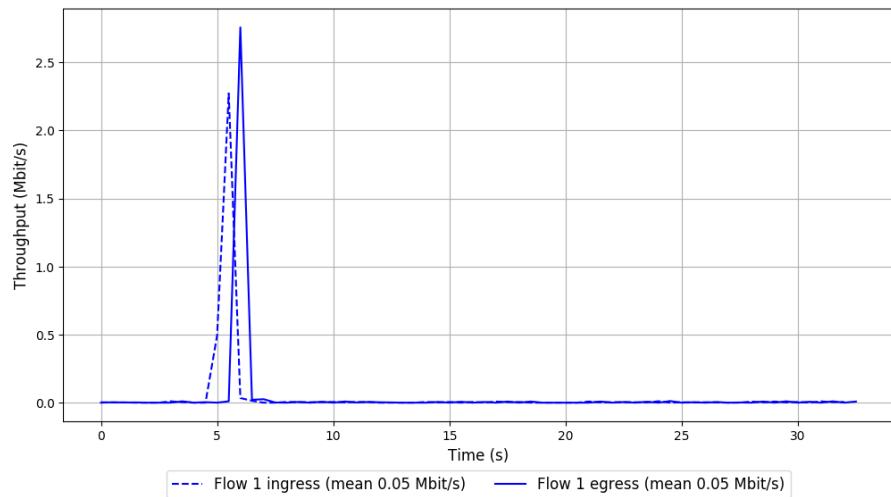


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-21 05:27:22
End at: 2019-01-21 05:27:53
Local clock offset: -3.526 ms
Remote clock offset: 2.903 ms

# Below is generated by plot.py at 2019-01-21 07:06:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.203 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

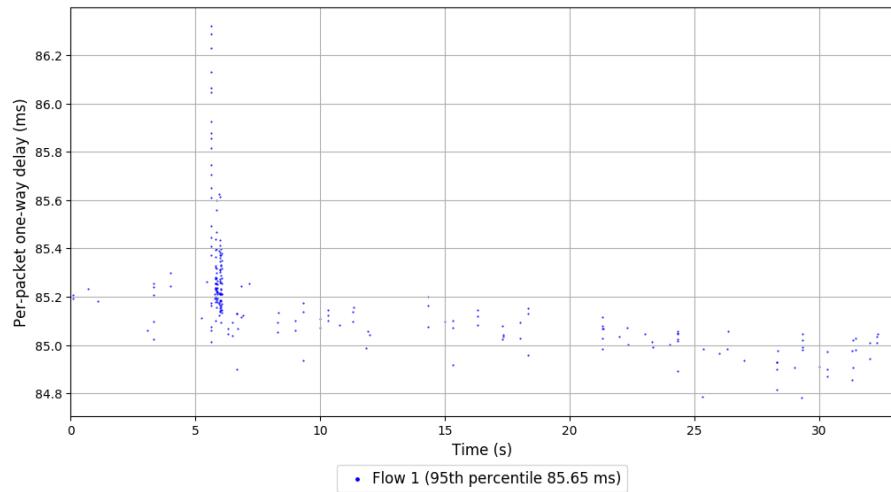
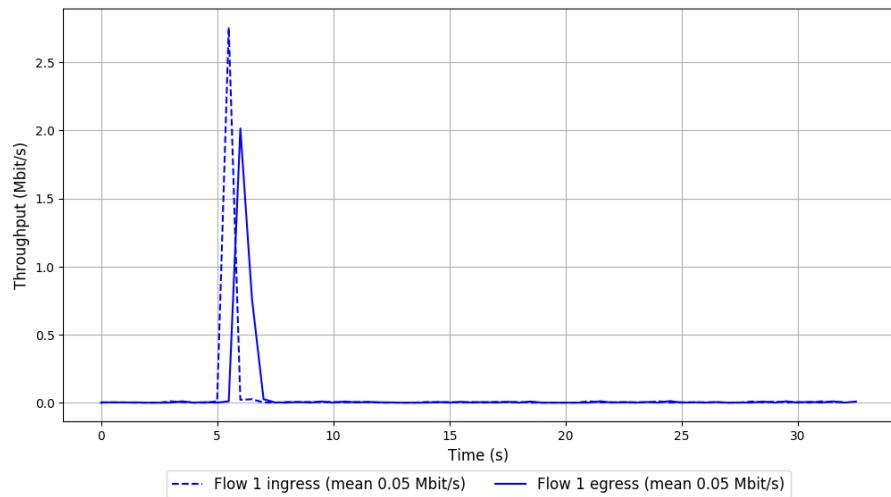


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-21 05:52:02
End at: 2019-01-21 05:52:32
Local clock offset: -3.674 ms
Remote clock offset: 7.182 ms

# Below is generated by plot.py at 2019-01-21 07:06:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.650 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

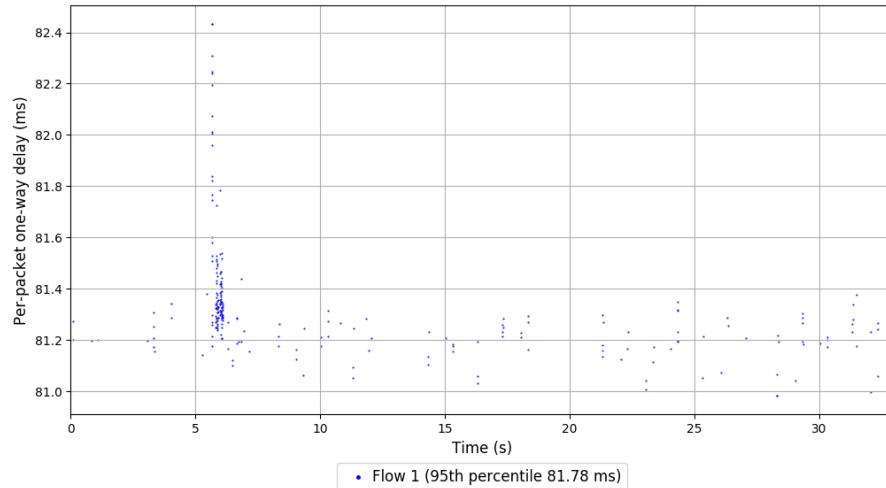
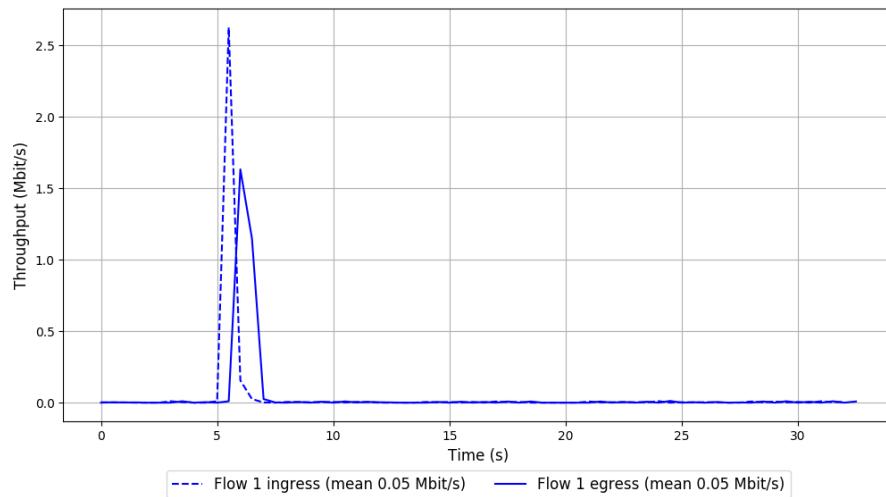


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-21 06:16:41
End at: 2019-01-21 06:17:11
Local clock offset: -6.572 ms
Remote clock offset: 3.26 ms

# Below is generated by plot.py at 2019-01-21 07:06:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 81.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 81.782 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-01-21 06:41:20
End at: 2019-01-21 06:41:50
Local clock offset: -6.707 ms
Remote clock offset: 3.769 ms

# Below is generated by plot.py at 2019-01-21 07:06:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 84.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 84.595 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

