

Pantheon Report

Generated at 2019-01-21 23:15:37 (UTC).
Data path: China on `eno1` (*remote*) → AWS Korea on `ens5` (*local*).
Repeated the test of 21 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

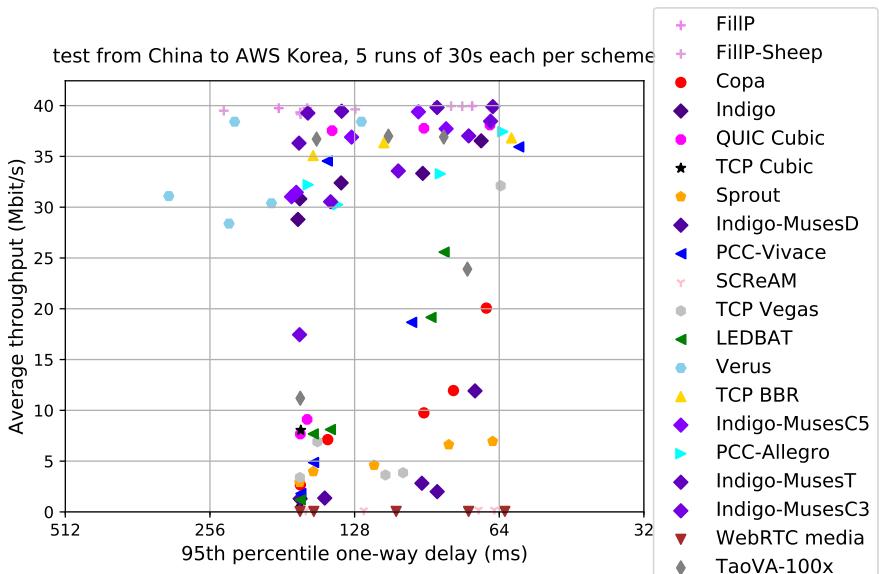
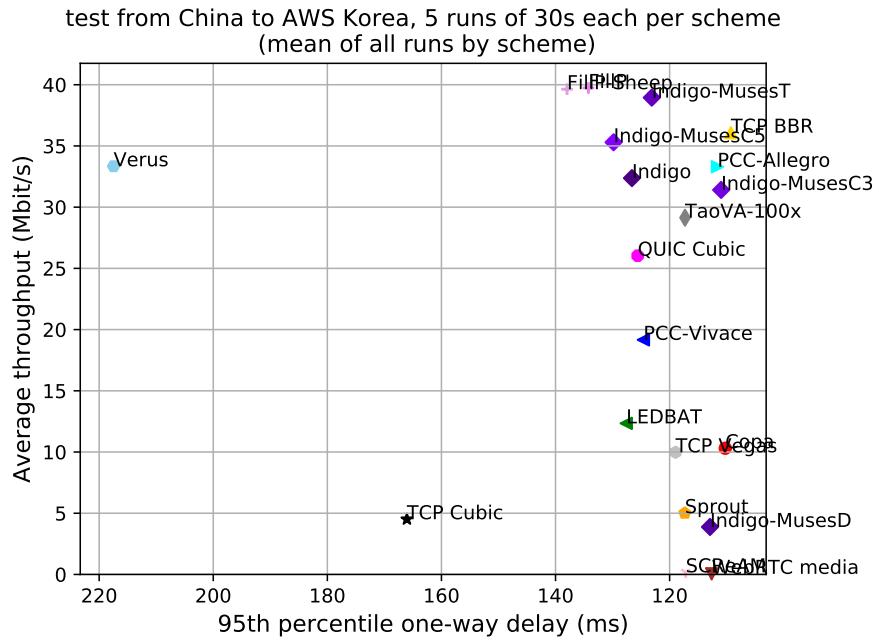
System info:

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

Git summary:

```
branch: muses @ 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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	3	36.08	109.26	13.53
Copa	5	10.31	110.25	1.16
TCP Cubic	2	4.51	166.06	1.86
FillP	5	39.74	134.22	19.36
FillP-Sheep	5	39.64	137.99	13.80
Indigo	5	32.37	126.60	22.00
Indigo-MusesC3	5	31.41	110.97	8.27
Indigo-MusesC5	5	35.30	129.83	11.21
Indigo-MusesD	5	3.88	112.92	1.74
Indigo-MusesT	5	38.95	123.13	10.88
LEDBAT	5	12.34	127.61	1.13
PCC-Allegro	4	33.29	111.62	2.97
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	26.03	125.60	1.65
SCReAM	5	0.17	117.18	0.42
Sprout	5	5.01	117.34	0.58
TaoVA-100x	5	29.14	117.30	13.43
TCP Vegas	5	9.98	118.96	0.65
Verus	5	33.34	217.48	18.74
PCC-Vivace	5	19.16	124.60	2.88
WebRTC media	5	0.05	112.64	0.17

Run 1: Statistics of TCP BBR

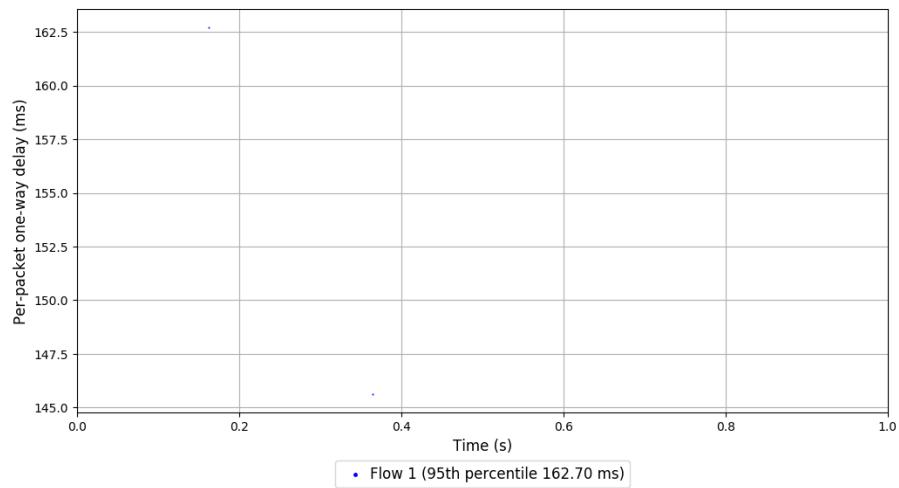
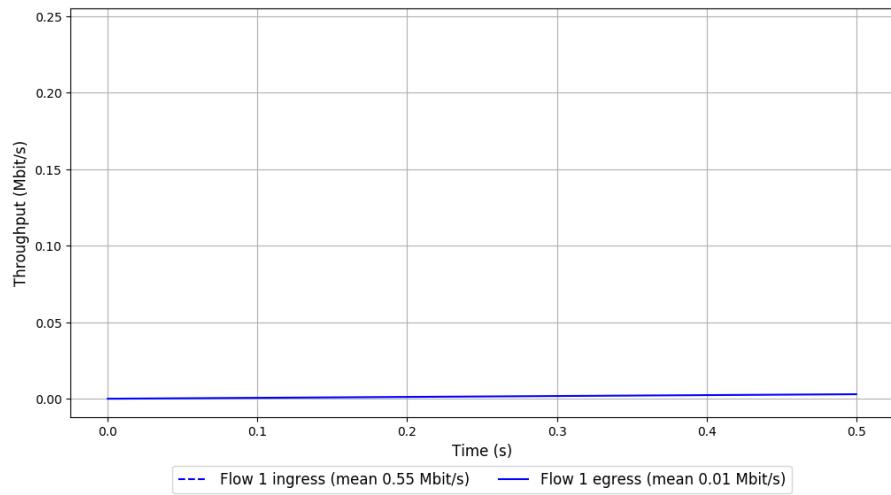
Start at: 2019-01-21 21:02:42

End at: 2019-01-21 21:03:12

Local clock offset: 1.446 ms

Remote clock offset: 7.643 ms

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

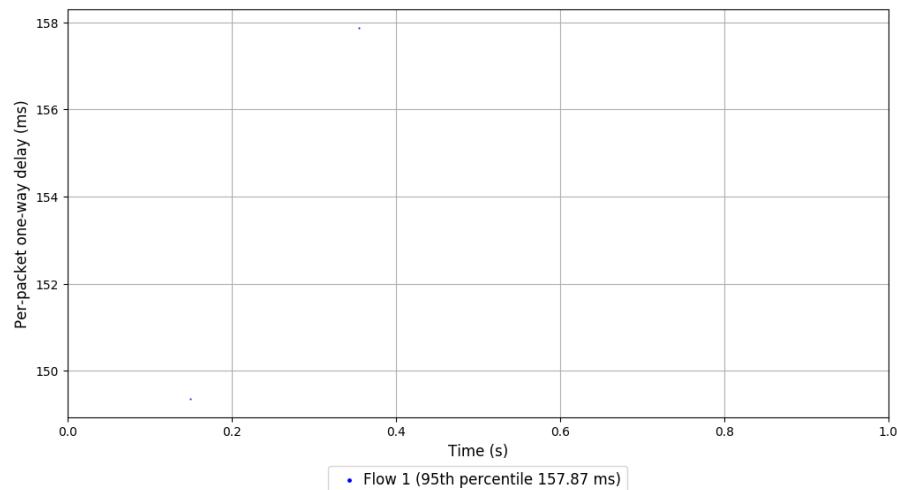
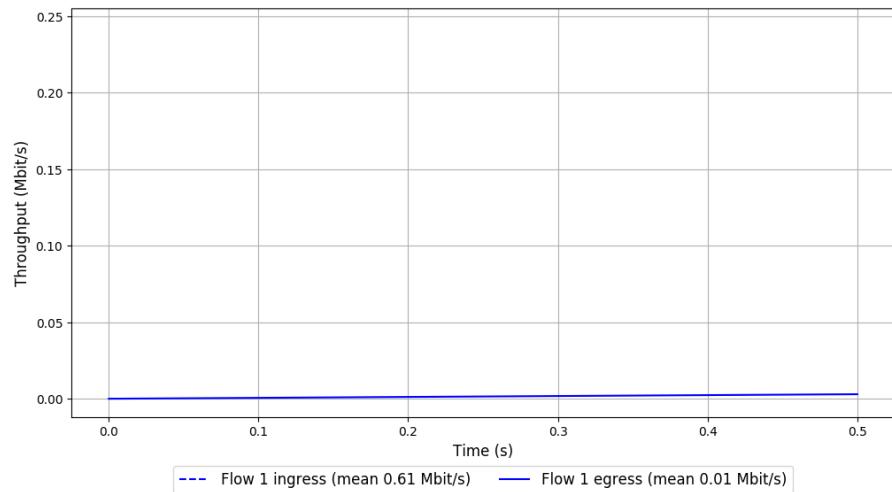
Start at: 2019-01-21 21:31:37

End at: 2019-01-21 21:32:07

Local clock offset: 0.857 ms

Remote clock offset: 7.124 ms

Run 2: Report of TCP BBR — Data Link

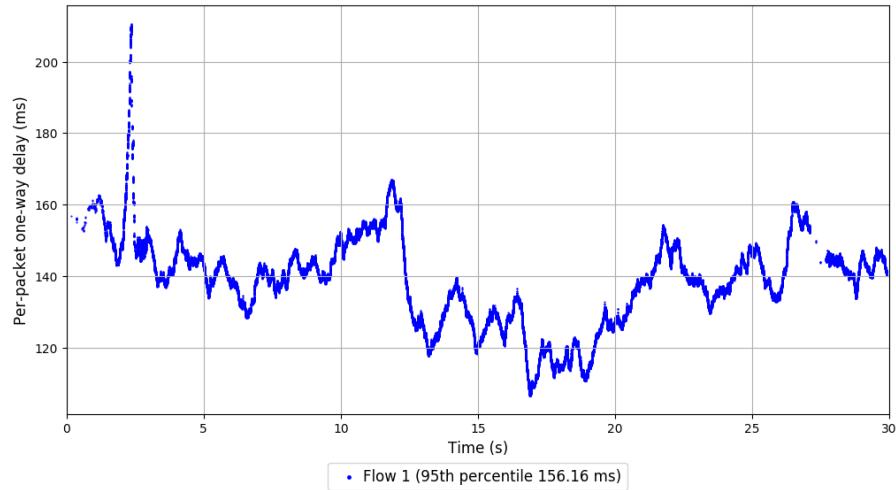
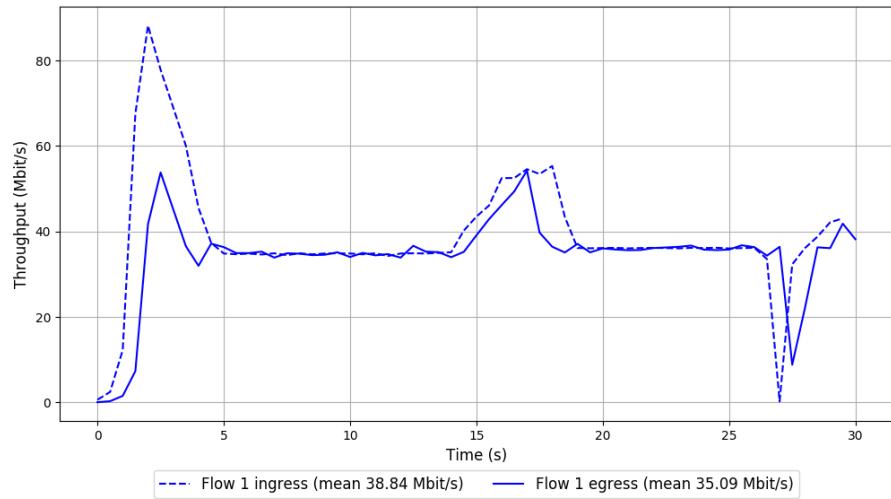


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-21 21:57:12
End at: 2019-01-21 21:57:42
Local clock offset: 1.745 ms
Remote clock offset: 7.573 ms

# Below is generated by plot.py at 2019-01-21 23:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 156.160 ms
Loss rate: 10.31%
-- Flow 1:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 156.160 ms
Loss rate: 10.31%
```

Run 3: Report of TCP BBR — Data Link

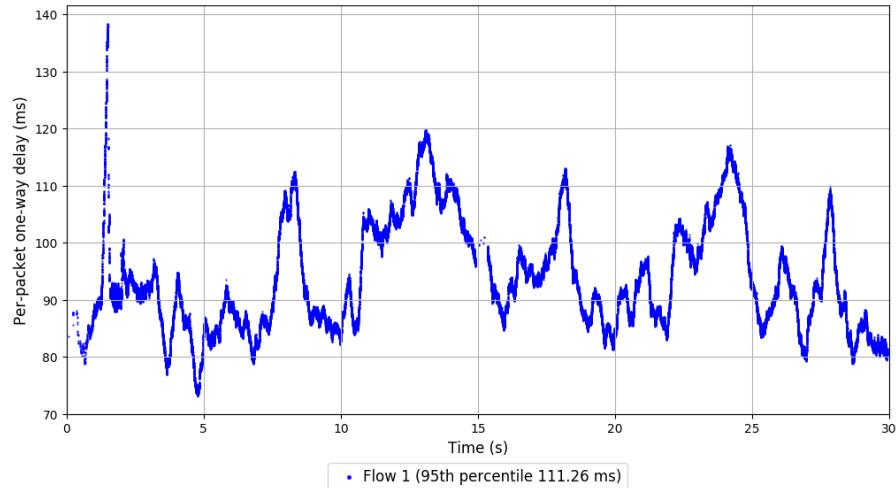
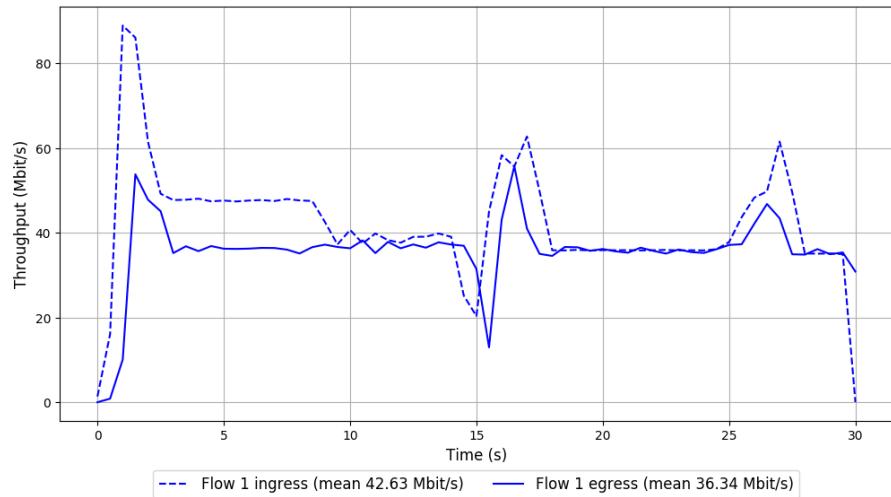


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-21 22:22:14
End at: 2019-01-21 22:22:44
Local clock offset: 8.424 ms
Remote clock offset: 7.545 ms

# Below is generated by plot.py at 2019-01-21 23:11:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 111.259 ms
Loss rate: 15.16%
-- Flow 1:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 111.259 ms
Loss rate: 15.16%
```

Run 4: Report of TCP BBR — Data Link

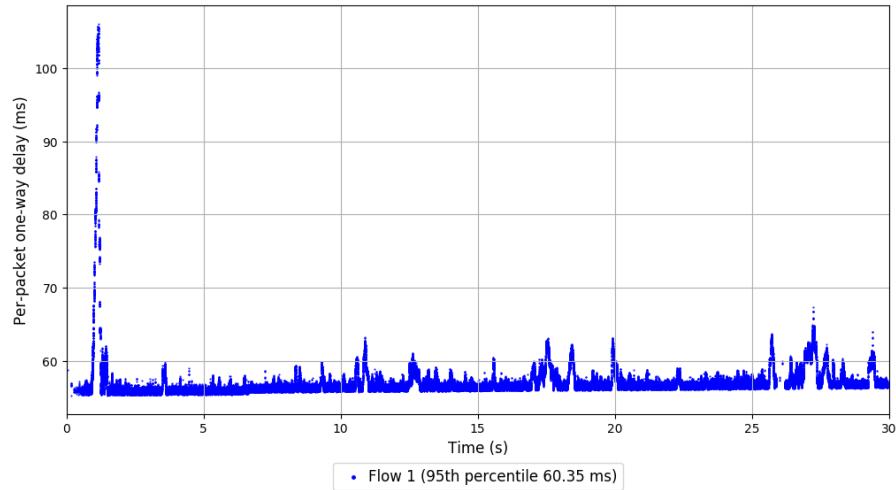
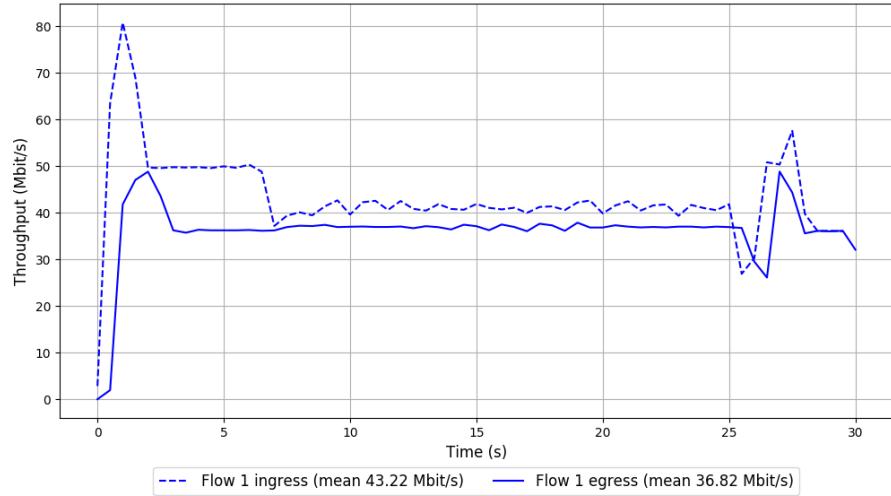


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-21 22:46:51
End at: 2019-01-21 22:47:21
Local clock offset: 15.824 ms
Remote clock offset: 7.752 ms

# Below is generated by plot.py at 2019-01-21 23:11:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 60.355 ms
Loss rate: 15.12%
-- Flow 1:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 60.355 ms
Loss rate: 15.12%
```

Run 5: Report of TCP BBR — Data Link

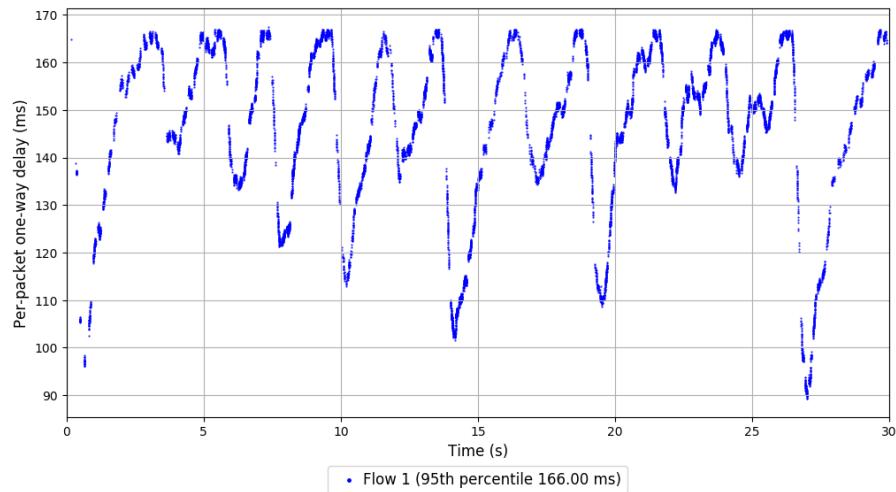
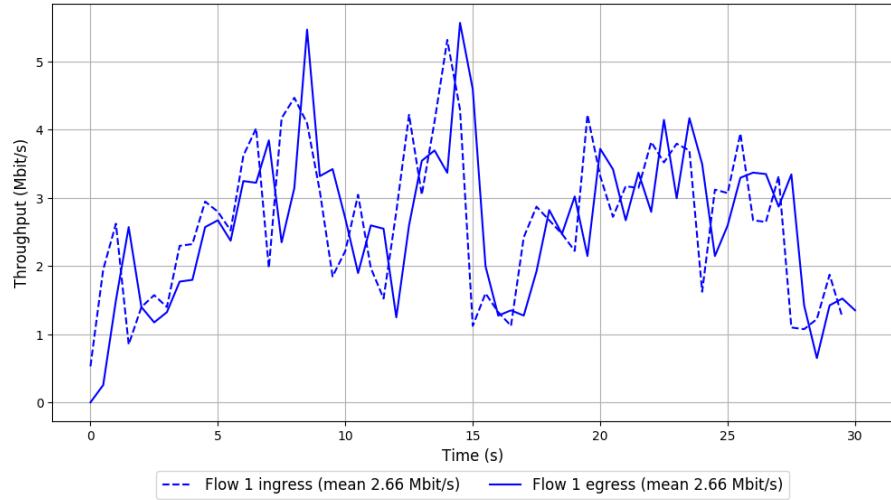


Run 1: Statistics of Copa

```
Start at: 2019-01-21 21:26:46
End at: 2019-01-21 21:27:16
Local clock offset: 1.045 ms
Remote clock offset: 7.278 ms

# Below is generated by plot.py at 2019-01-21 23:11:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 166.001 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 166.001 ms
Loss rate: 0.64%
```

Run 1: Report of Copa — Data Link

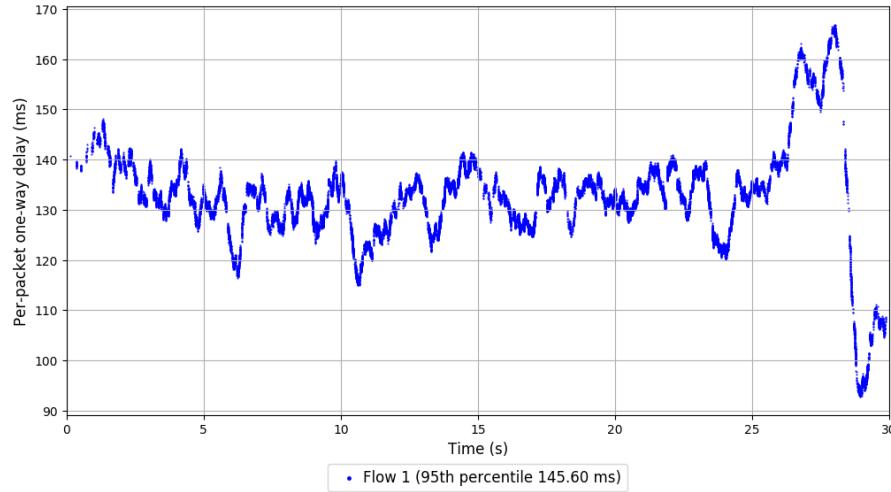
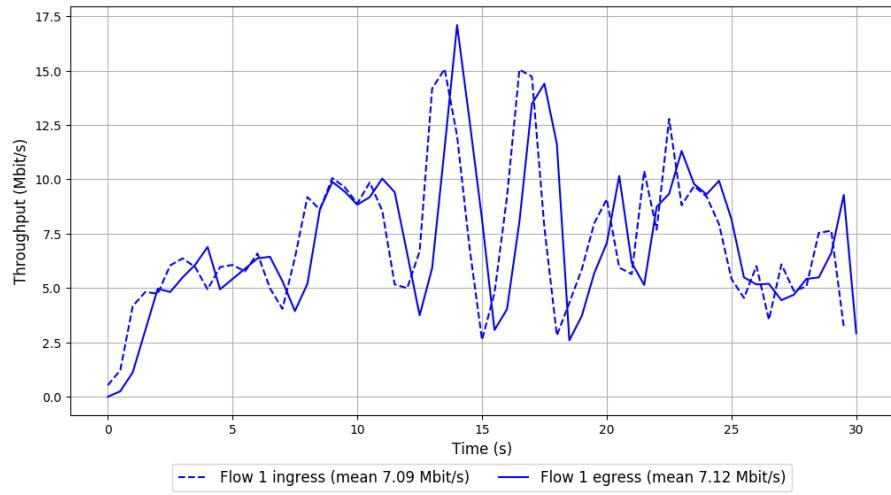


Run 2: Statistics of Copa

```
Start at: 2019-01-21 21:52:29
End at: 2019-01-21 21:52:59
Local clock offset: 1.249 ms
Remote clock offset: 7.365 ms

# Below is generated by plot.py at 2019-01-21 23:11:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 145.605 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 145.605 ms
Loss rate: 0.22%
```

Run 2: Report of Copa — Data Link

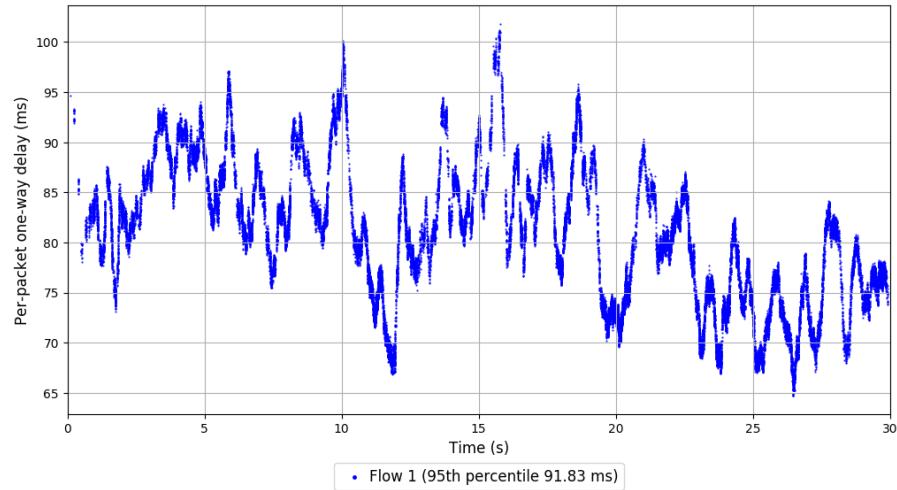
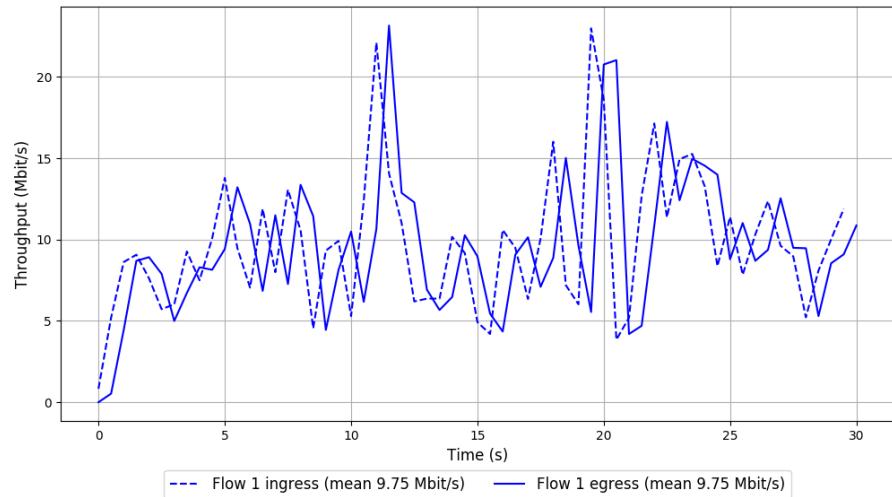


Run 3: Statistics of Copa

```
Start at: 2019-01-21 22:17:35
End at: 2019-01-21 22:18:05
Local clock offset: 3.833 ms
Remote clock offset: 7.754 ms

# Below is generated by plot.py at 2019-01-21 23:11:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 91.826 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 91.826 ms
Loss rate: 0.47%
```

Run 3: Report of Copa — Data Link

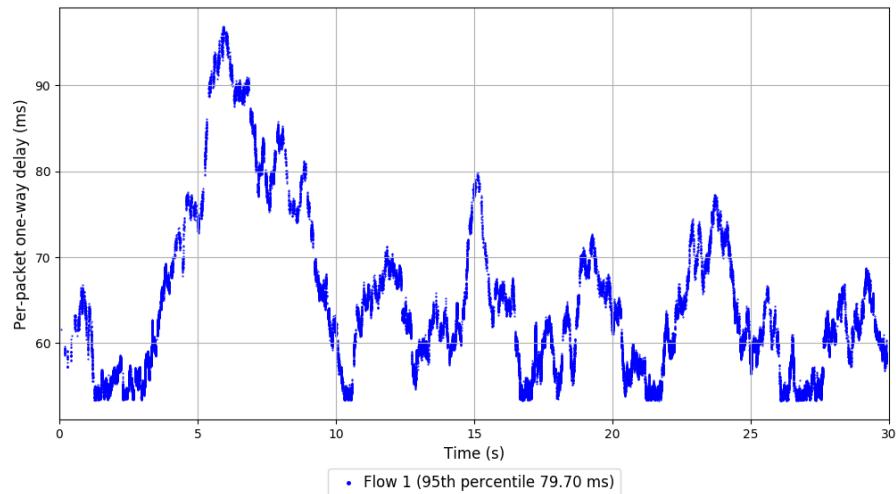
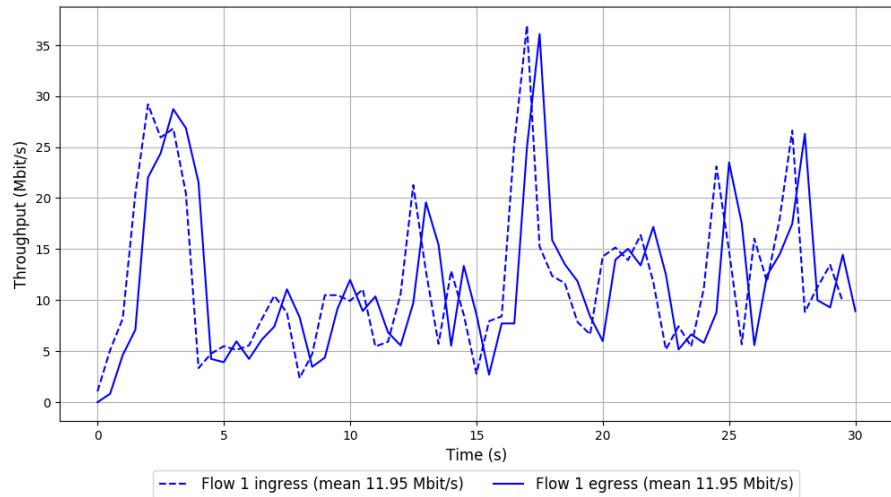


Run 4: Statistics of Copa

```
Start at: 2019-01-21 22:42:14
End at: 2019-01-21 22:42:44
Local clock offset: 16.141 ms
Remote clock offset: 8.226 ms

# Below is generated by plot.py at 2019-01-21 23:11:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 79.703 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 79.703 ms
Loss rate: 0.40%
```

Run 4: Report of Copa — Data Link

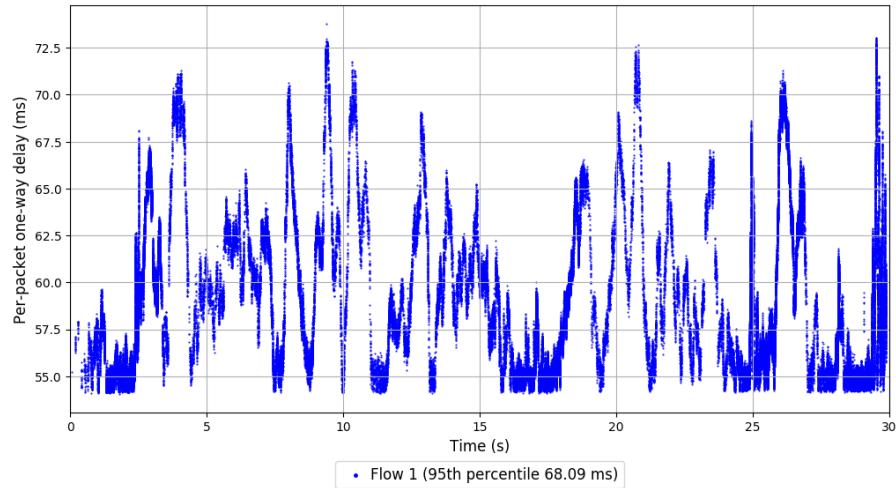
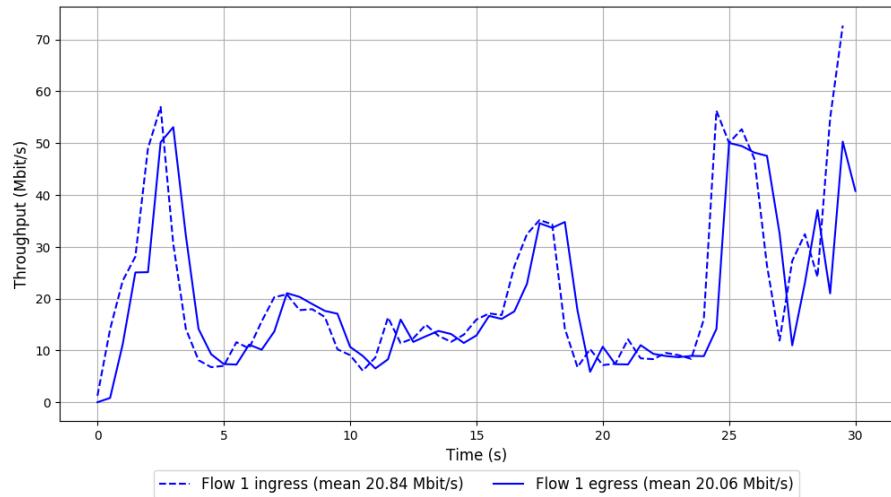


Run 5: Statistics of Copa

```
Start at: 2019-01-21 23:06:46
End at: 2019-01-21 23:07:16
Local clock offset: 1.937 ms
Remote clock offset: 7.323 ms

# Below is generated by plot.py at 2019-01-21 23:11:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.06 Mbit/s
95th percentile per-packet one-way delay: 68.090 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 20.06 Mbit/s
95th percentile per-packet one-way delay: 68.090 ms
Loss rate: 4.09%
```

Run 5: Report of Copa — Data Link

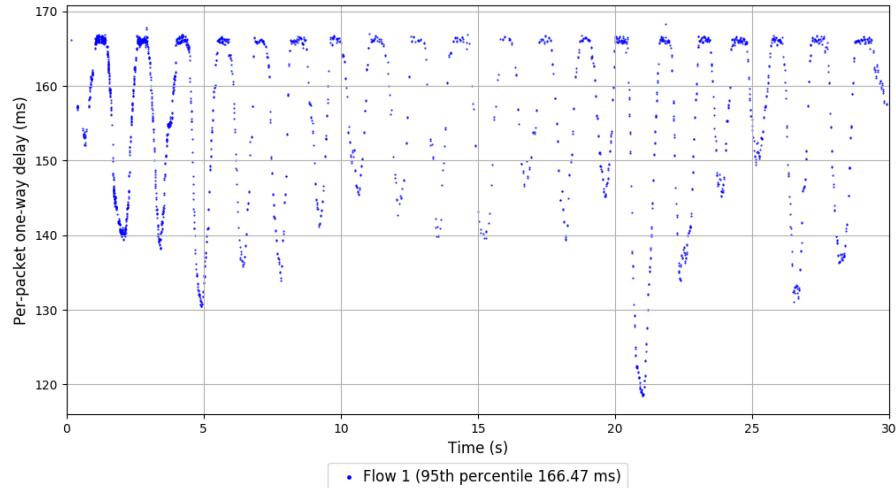
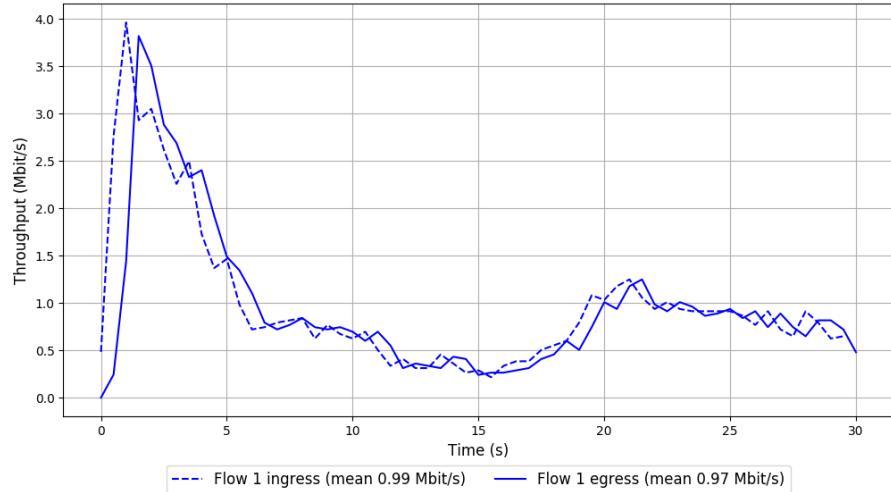


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-21 21:03:52
End at: 2019-01-21 21:04:22
Local clock offset: 1.351 ms
Remote clock offset: 8.035 ms

# Below is generated by plot.py at 2019-01-21 23:11:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 166.467 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 166.467 ms
Loss rate: 2.71%
```

Run 1: Report of TCP Cubic — Data Link

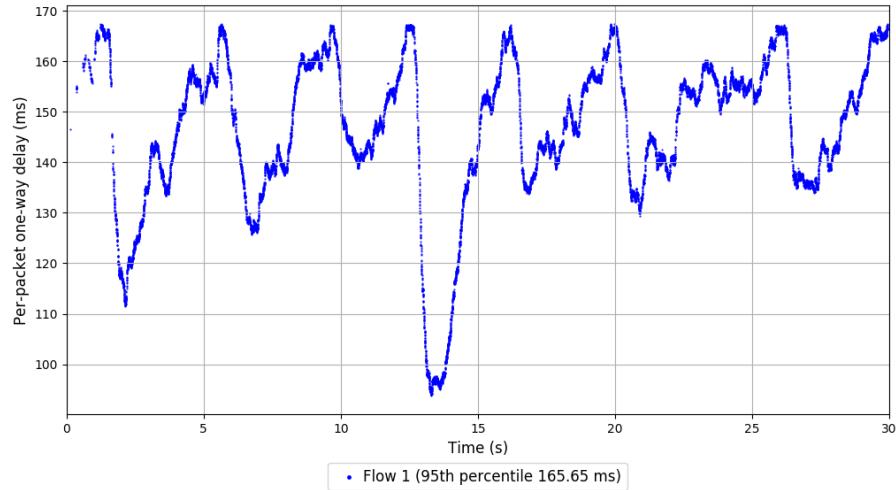
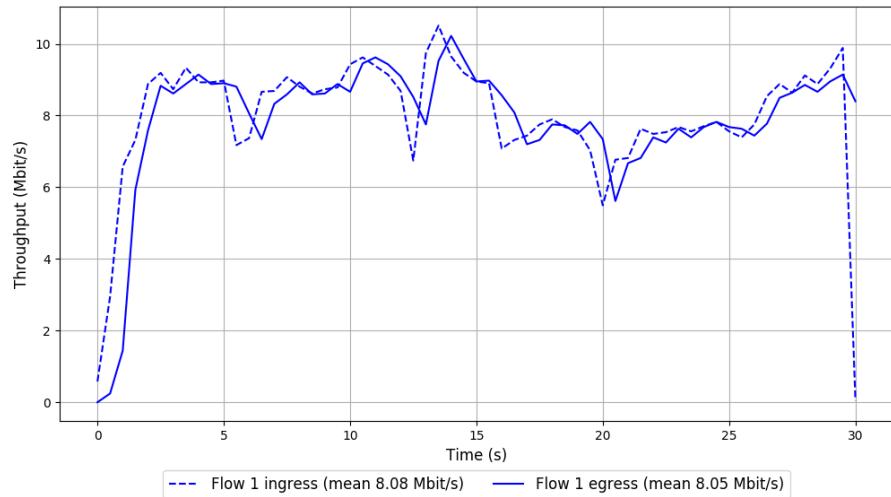


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-21 21:32:47
End at: 2019-01-21 21:33:17
Local clock offset: 0.811 ms
Remote clock offset: 7.133 ms

# Below is generated by plot.py at 2019-01-21 23:11:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 165.653 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 165.653 ms
Loss rate: 1.02%
```

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

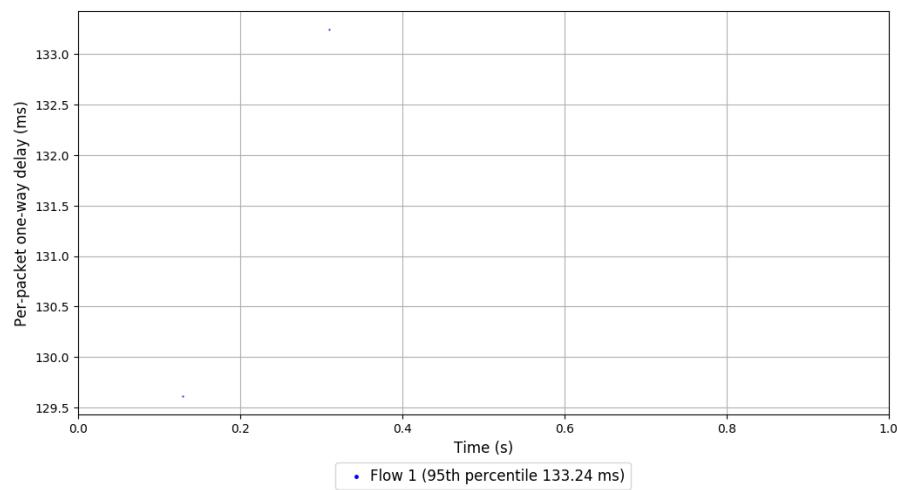
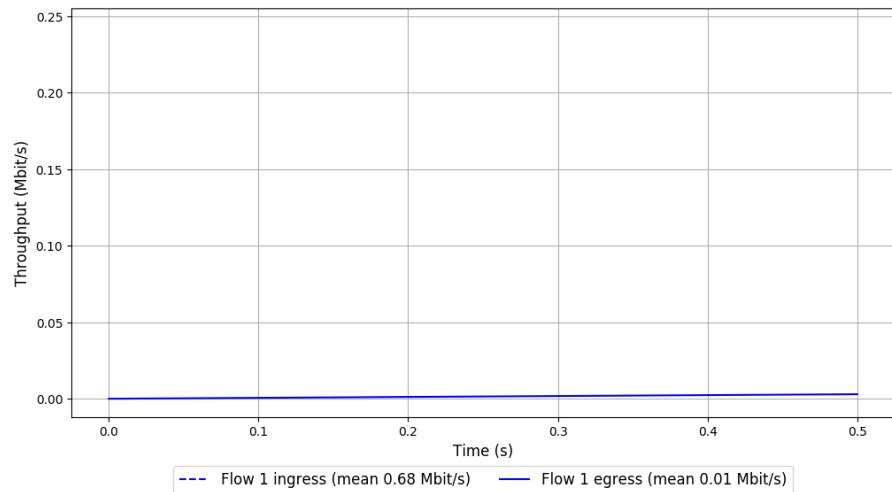
Start at: 2019-01-21 21:58:25

End at: 2019-01-21 21:58:55

Local clock offset: 1.781 ms

Remote clock offset: 7.504 ms

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

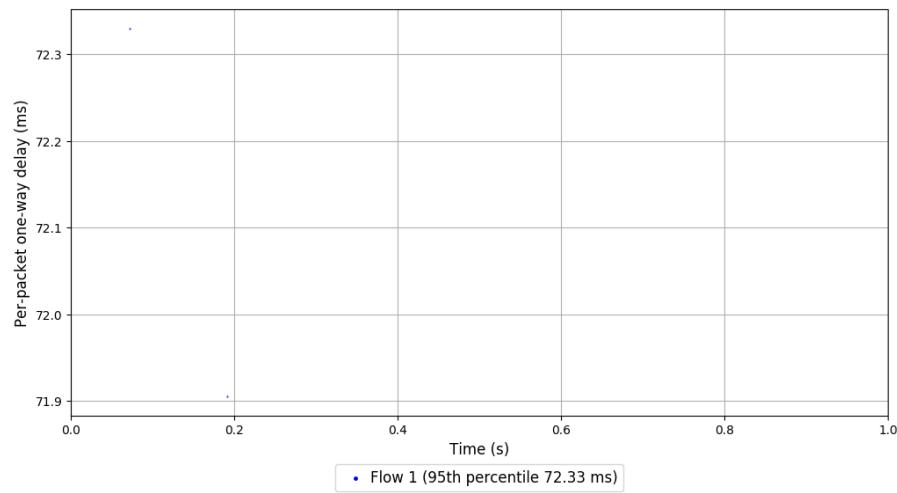
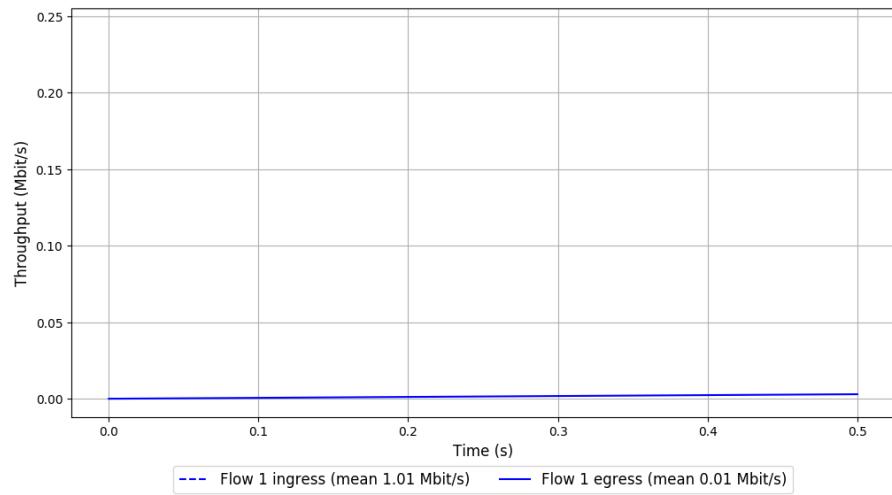
Start at: 2019-01-21 22:23:26

End at: 2019-01-21 22:23:56

Local clock offset: 9.41 ms

Remote clock offset: 7.687 ms

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

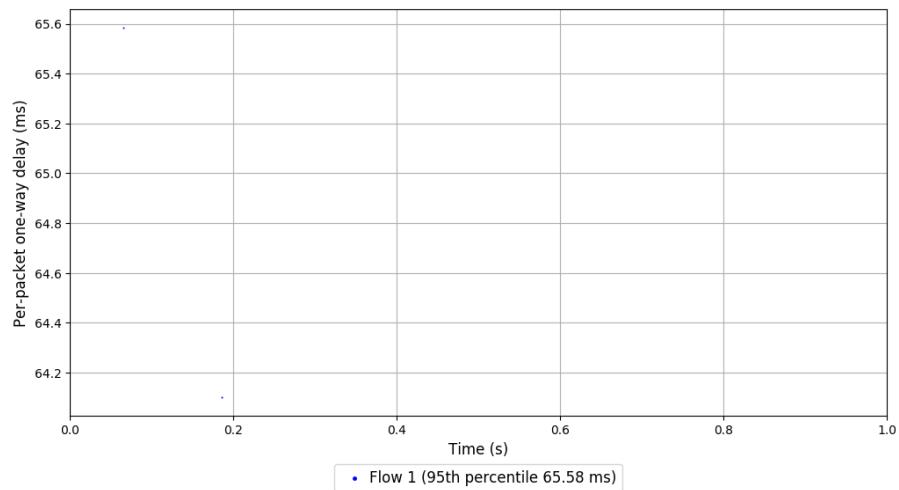
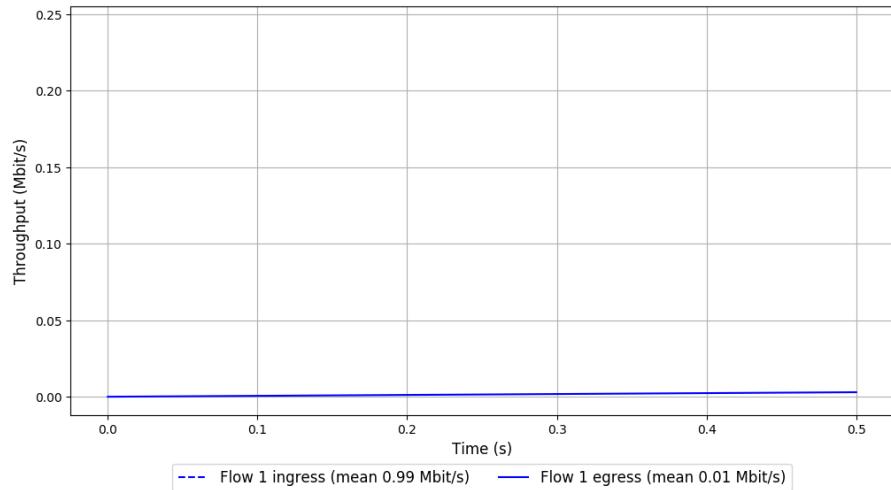
Start at: 2019-01-21 22:48:02

End at: 2019-01-21 22:48:32

Local clock offset: 13.768 ms

Remote clock offset: 7.948 ms

Run 5: Report of TCP Cubic — Data Link

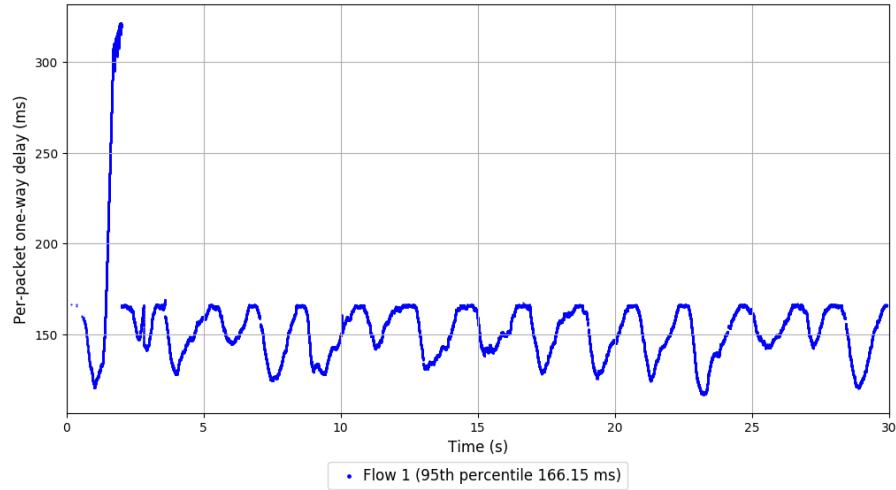
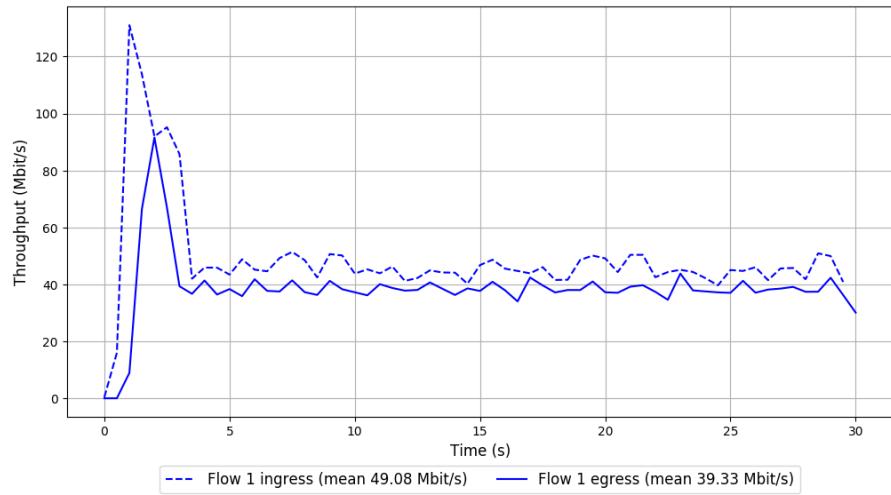


```
Run 1: Statistics of FillP
```

```
Start at: 2019-01-21 21:19:58
End at: 2019-01-21 21:20:28
Local clock offset: 0.992 ms
Remote clock offset: 7.527 ms

# Below is generated by plot.py at 2019-01-21 23:12:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 166.147 ms
Loss rate: 20.46%
-- Flow 1:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 166.147 ms
Loss rate: 20.46%
```

Run 1: Report of FillP — Data Link

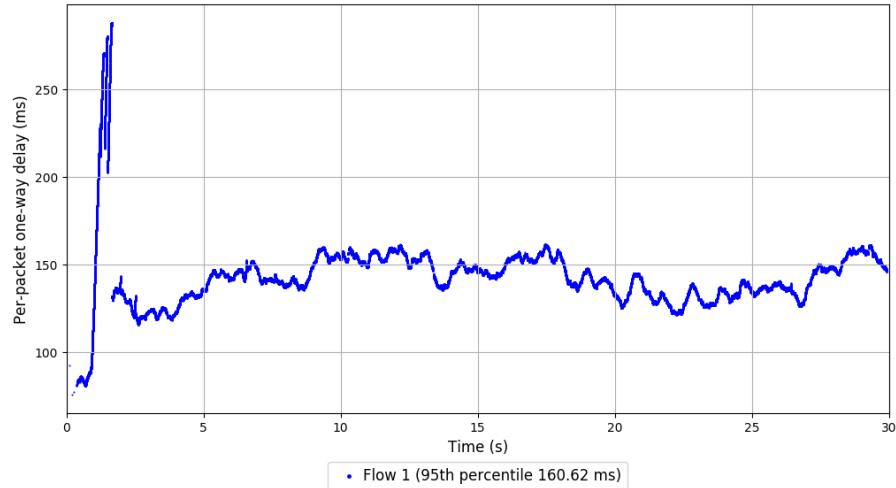
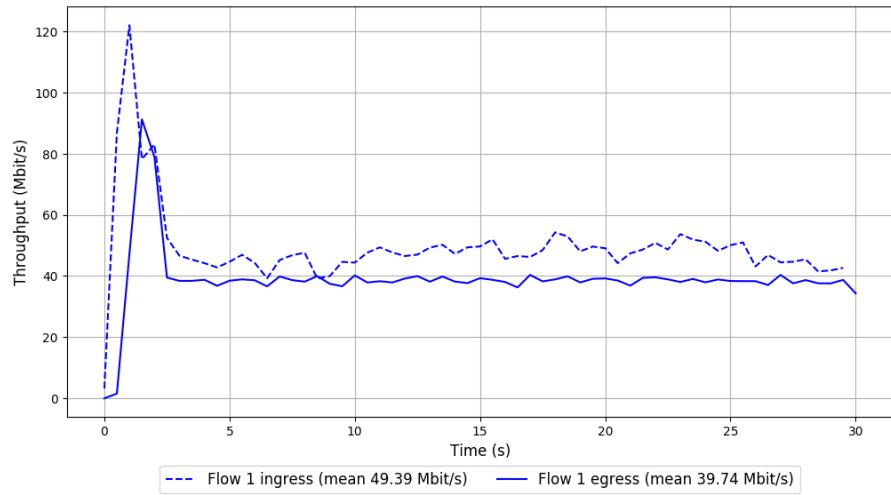


Run 2: Statistics of FillP

```
Start at: 2019-01-21 21:46:22
End at: 2019-01-21 21:46:52
Local clock offset: 0.454 ms
Remote clock offset: 7.204 ms

# Below is generated by plot.py at 2019-01-21 23:12:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 160.619 ms
Loss rate: 19.92%
-- Flow 1:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 160.619 ms
Loss rate: 19.92%
```

Run 2: Report of FillP — Data Link

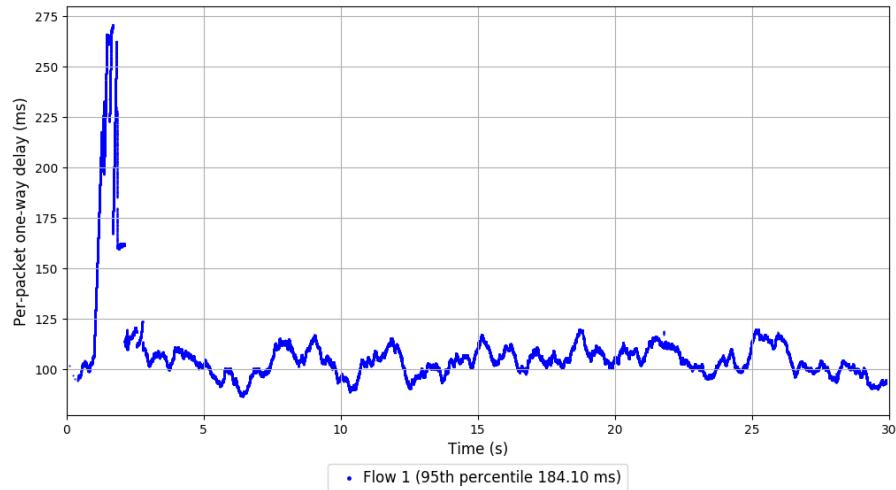
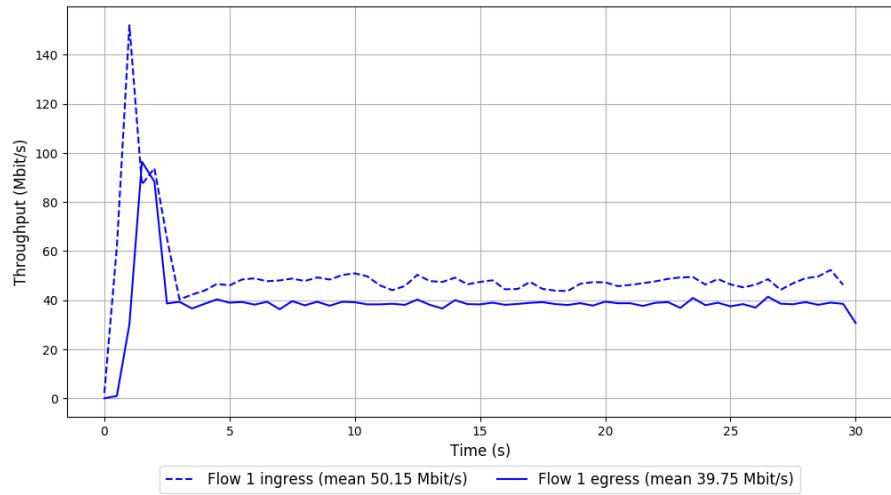


Run 3: Statistics of FillP

```
Start at: 2019-01-21 22:11:38
End at: 2019-01-21 22:12:08
Local clock offset: 2.141 ms
Remote clock offset: 7.582 ms

# Below is generated by plot.py at 2019-01-21 23:12:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 184.102 ms
Loss rate: 21.16%
-- Flow 1:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 184.102 ms
Loss rate: 21.16%
```

Run 3: Report of FillP — Data Link

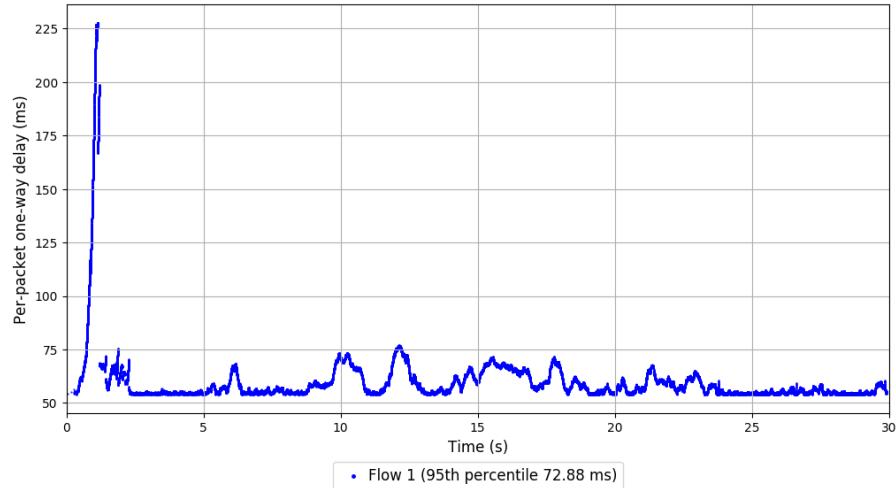
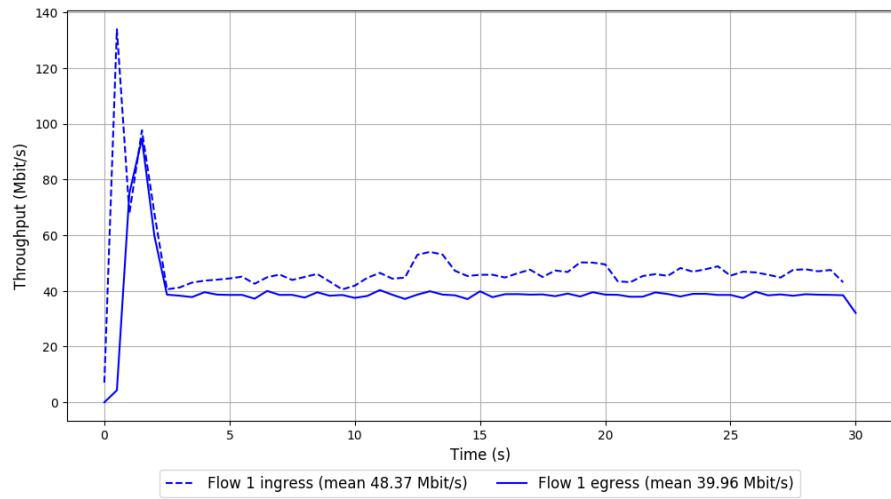


Run 4: Statistics of FillP

```
Start at: 2019-01-21 22:36:22
End at: 2019-01-21 22:36:52
Local clock offset: 14.895 ms
Remote clock offset: 7.496 ms

# Below is generated by plot.py at 2019-01-21 23:12:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 72.879 ms
Loss rate: 17.69%
-- Flow 1:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 72.879 ms
Loss rate: 17.69%
```

Run 4: Report of FillP — Data Link

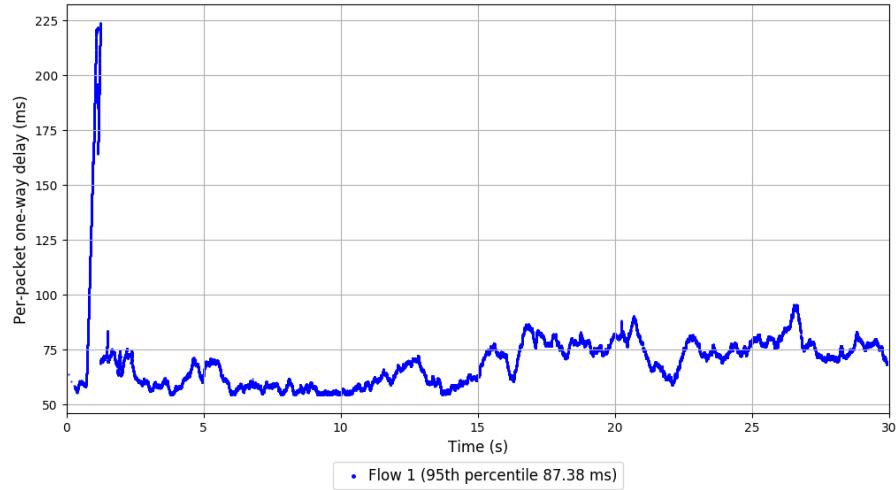
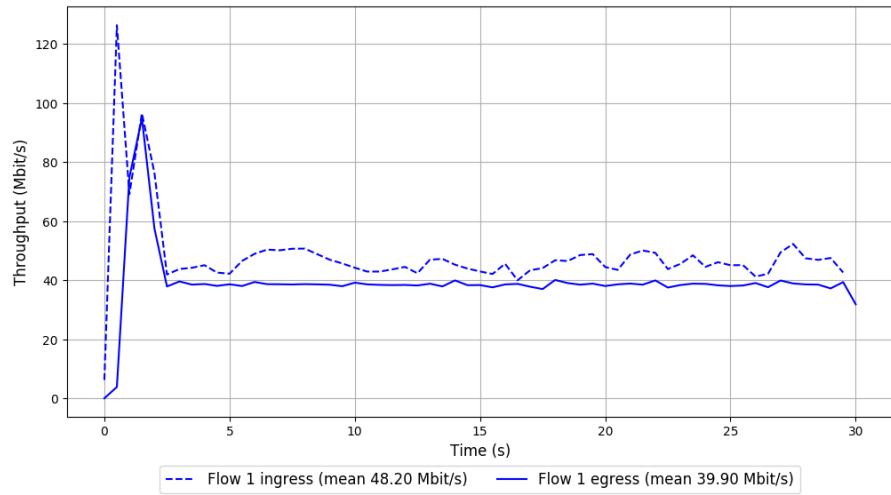


Run 5: Statistics of FillP

```
Start at: 2019-01-21 23:00:56
End at: 2019-01-21 23:01:26
Local clock offset: 3.73 ms
Remote clock offset: 7.55 ms

# Below is generated by plot.py at 2019-01-21 23:12:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 87.377 ms
Loss rate: 17.55%
-- Flow 1:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 87.377 ms
Loss rate: 17.55%
```

Run 5: Report of FillP — Data Link

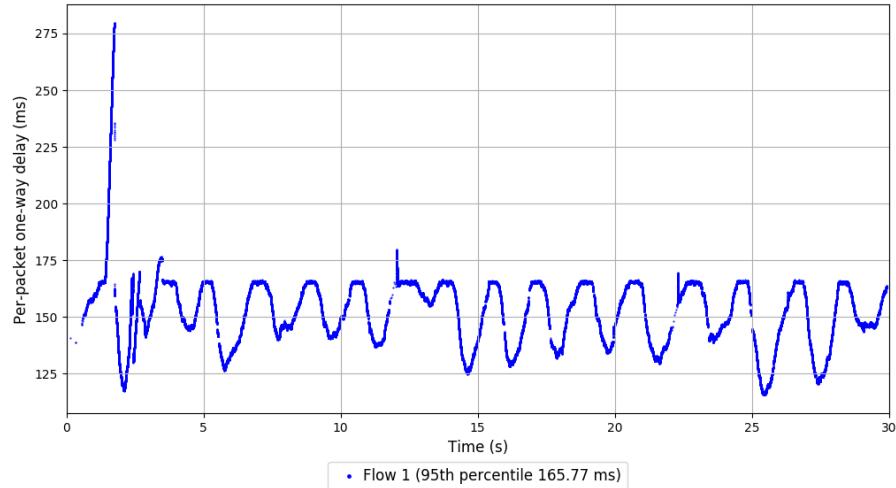
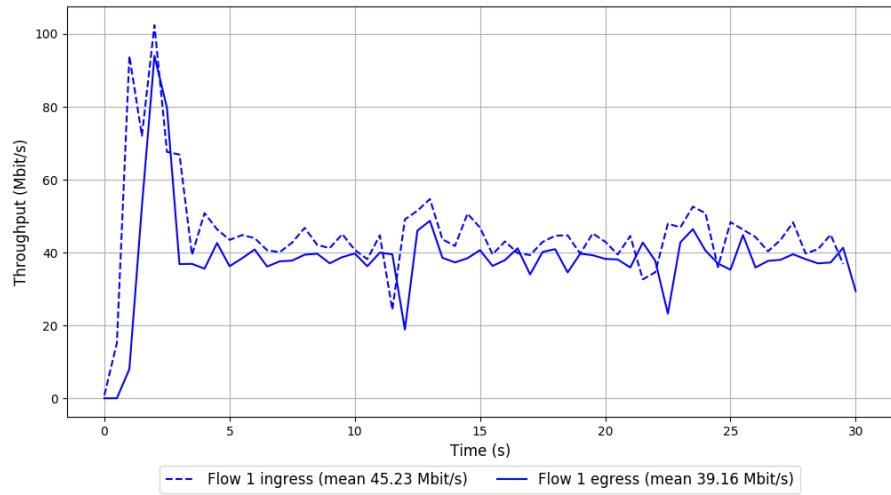


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-21 21:15:41
End at: 2019-01-21 21:16:12
Local clock offset: 0.931 ms
Remote clock offset: 7.819 ms

# Below is generated by plot.py at 2019-01-21 23:12:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 165.773 ms
Loss rate: 14.00%
-- Flow 1:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 165.773 ms
Loss rate: 14.00%
```

Run 1: Report of FillP-Sheep — Data Link

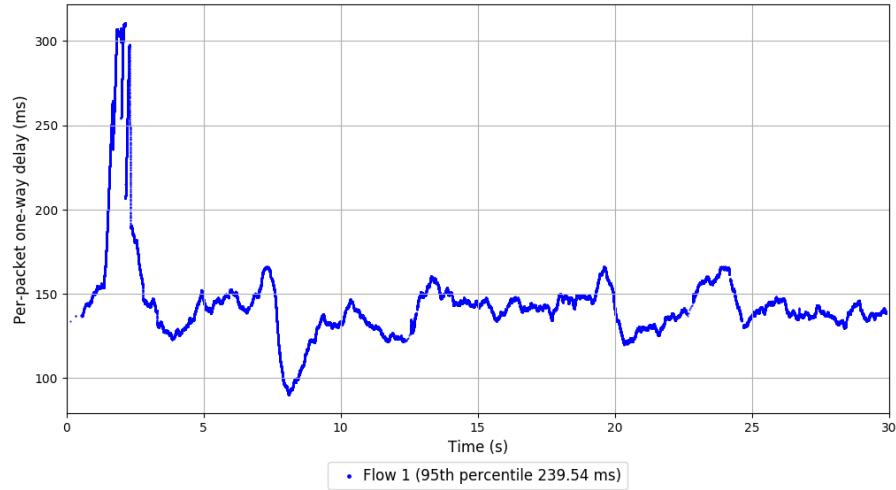
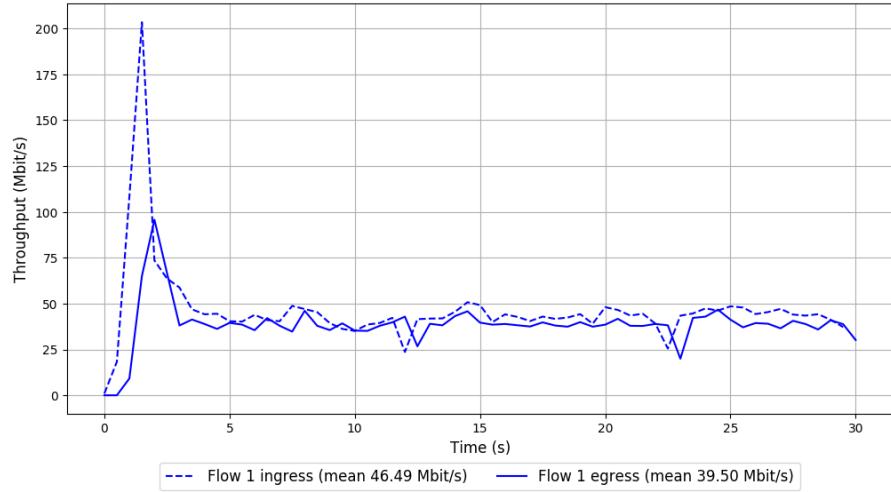


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-21 21:42:41
End at: 2019-01-21 21:43:11
Local clock offset: 0.441 ms
Remote clock offset: 7.237 ms

# Below is generated by plot.py at 2019-01-21 23:12:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 239.541 ms
Loss rate: 15.58%
-- Flow 1:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 239.541 ms
Loss rate: 15.58%
```

Run 2: Report of FillP-Sheep — Data Link

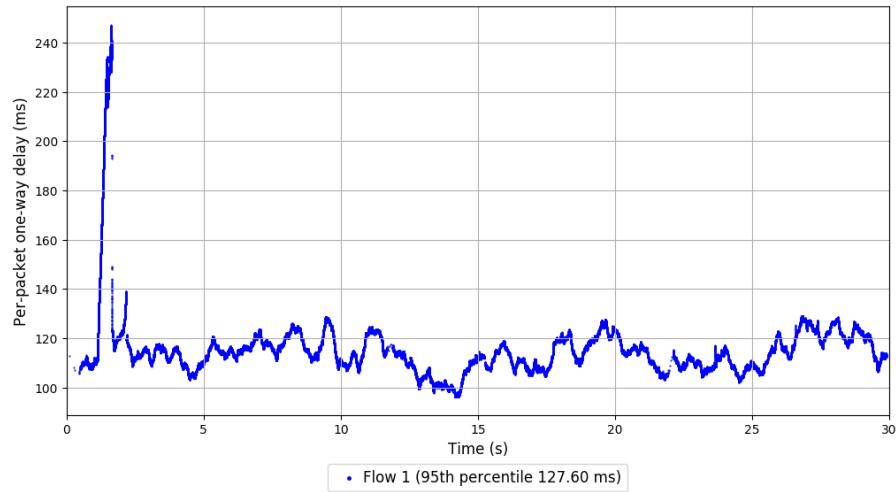
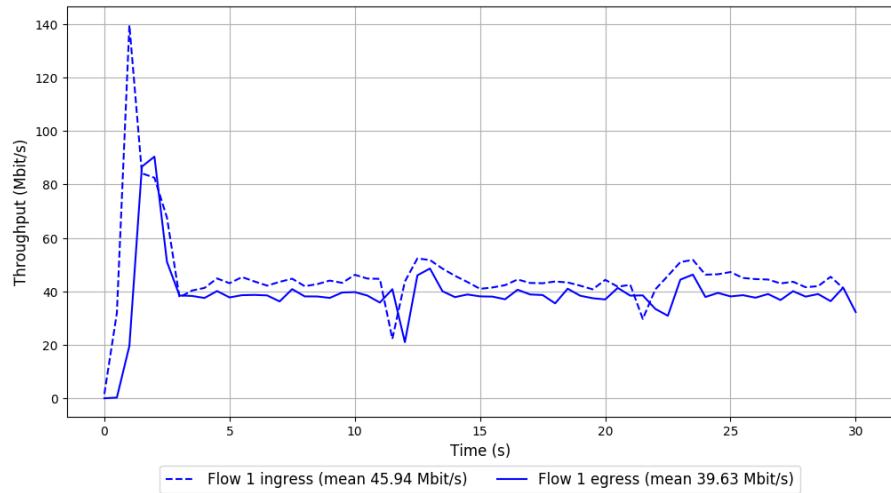


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-21 22:08:04
End at: 2019-01-21 22:08:34
Local clock offset: 1.965 ms
Remote clock offset: 7.4 ms

# Below is generated by plot.py at 2019-01-21 23:12:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 127.601 ms
Loss rate: 14.21%
-- Flow 1:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 127.601 ms
Loss rate: 14.21%
```

Run 3: Report of FillP-Sheep — Data Link

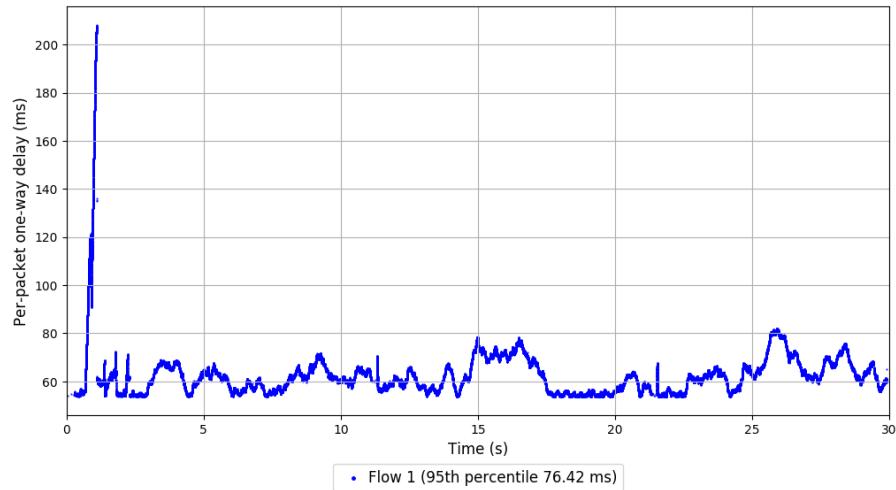
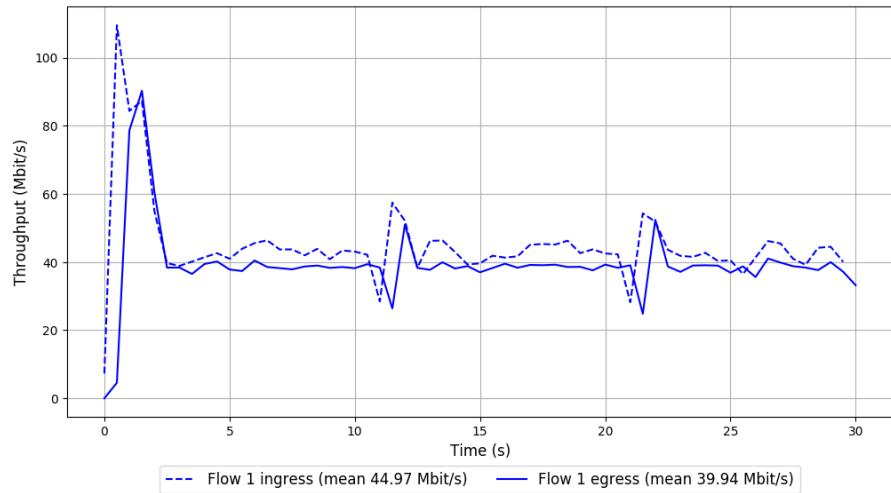


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-21 22:32:52
End at: 2019-01-21 22:33:22
Local clock offset: 13.682 ms
Remote clock offset: 7.628 ms

# Below is generated by plot.py at 2019-01-21 23:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 76.424 ms
Loss rate: 11.51%
-- Flow 1:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 76.424 ms
Loss rate: 11.51%
```

Run 4: Report of FillP-Sheep — Data Link

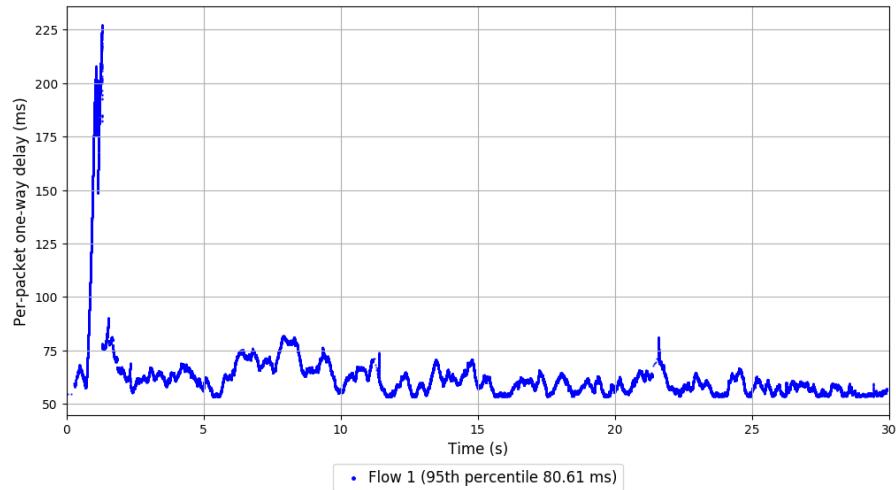
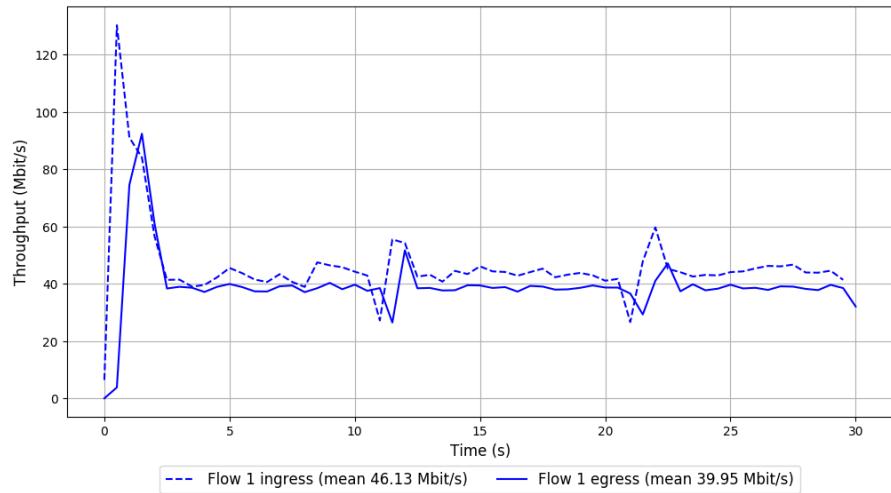


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-21 22:57:26
End at: 2019-01-21 22:57:56
Local clock offset: 5.406 ms
Remote clock offset: 8.377 ms

# Below is generated by plot.py at 2019-01-21 23:12:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 80.606 ms
Loss rate: 13.72%
-- Flow 1:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 80.606 ms
Loss rate: 13.72%
```

Run 5: Report of FillP-Sheep — Data Link

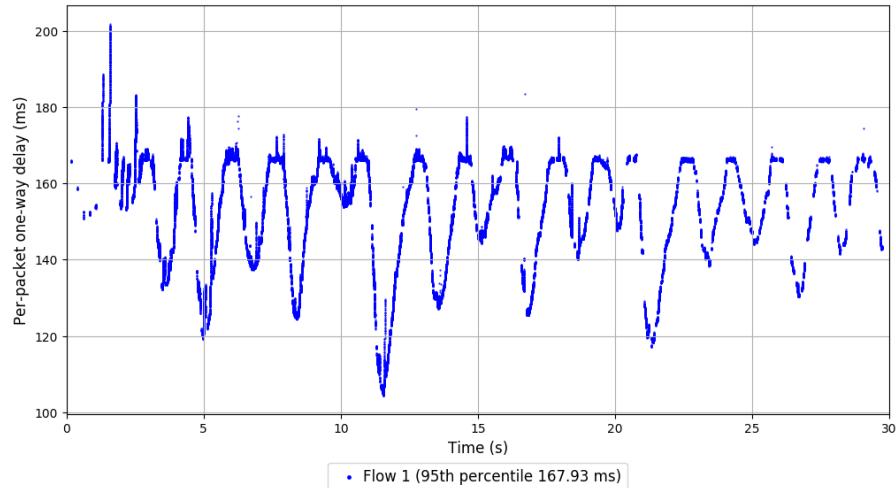
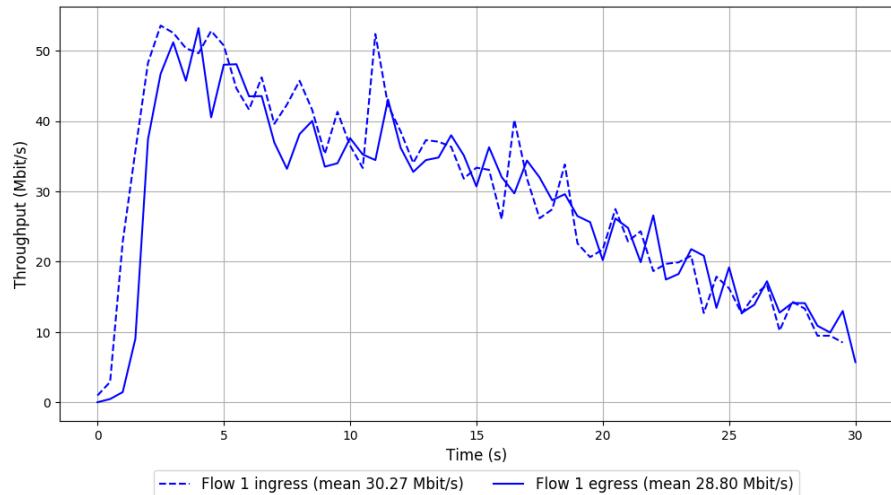


Run 1: Statistics of Indigo

```
Start at: 2019-01-21 21:12:32
End at: 2019-01-21 21:13:02
Local clock offset: 1.268 ms
Remote clock offset: 8.025 ms

# Below is generated by plot.py at 2019-01-21 23:12:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 167.926 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 167.926 ms
Loss rate: 5.58%
```

Run 1: Report of Indigo — Data Link

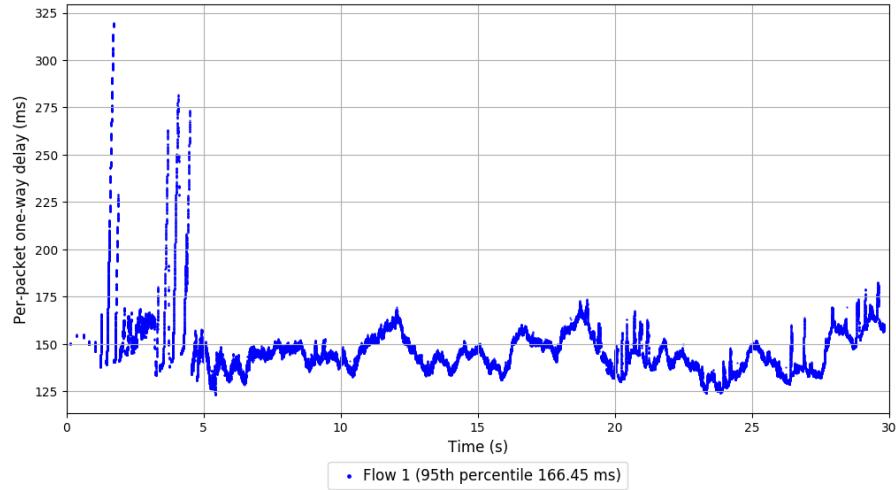
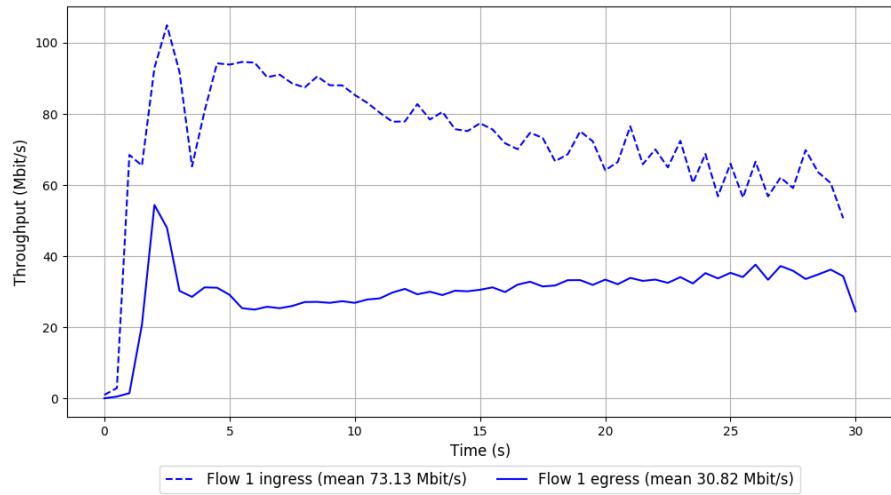


Run 2: Statistics of Indigo

```
Start at: 2019-01-21 21:40:11
End at: 2019-01-21 21:40:41
Local clock offset: 0.693 ms
Remote clock offset: 7.231 ms

# Below is generated by plot.py at 2019-01-21 23:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 166.447 ms
Loss rate: 58.15%
-- Flow 1:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 166.447 ms
Loss rate: 58.15%
```

Run 2: Report of Indigo — Data Link

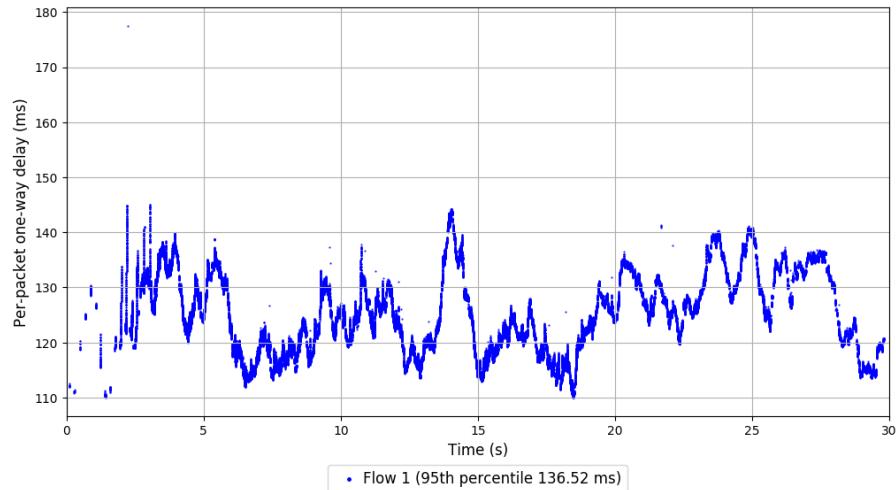
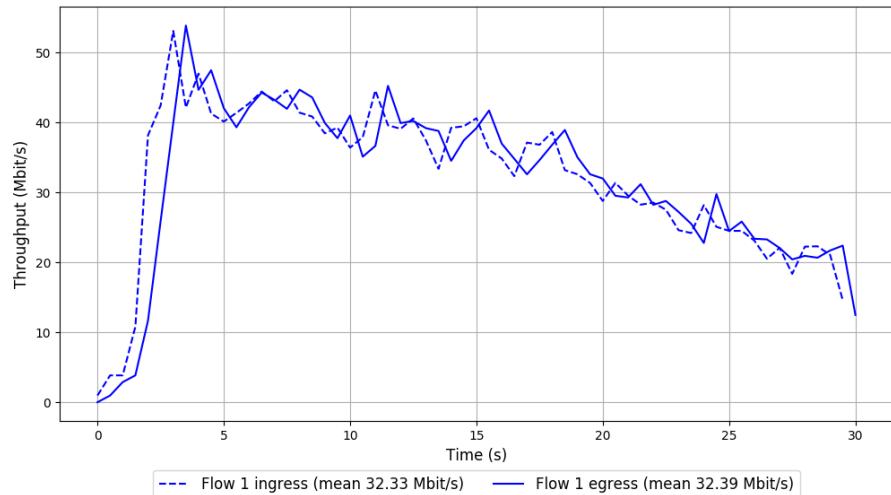


Run 3: Statistics of Indigo

```
Start at: 2019-01-21 22:05:39
End at: 2019-01-21 22:06:09
Local clock offset: 1.909 ms
Remote clock offset: 7.404 ms

# Below is generated by plot.py at 2019-01-21 23:12:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 136.519 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 136.519 ms
Loss rate: 0.37%
```

Run 3: Report of Indigo — Data Link

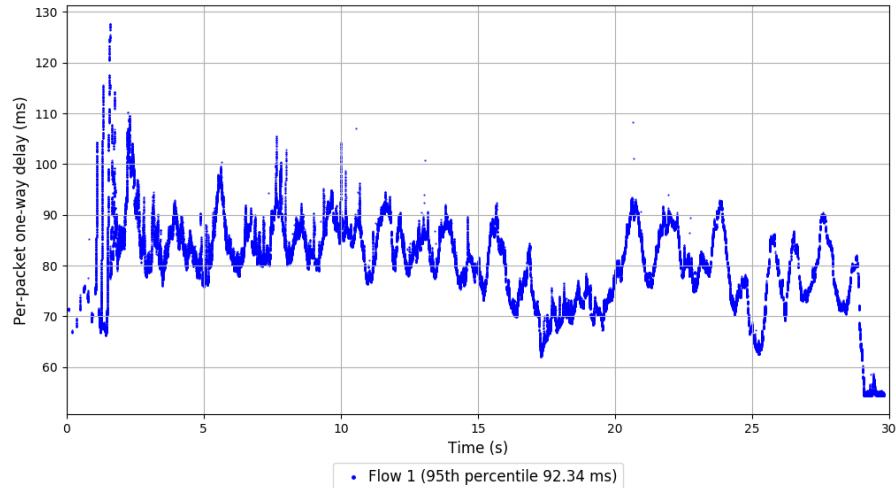
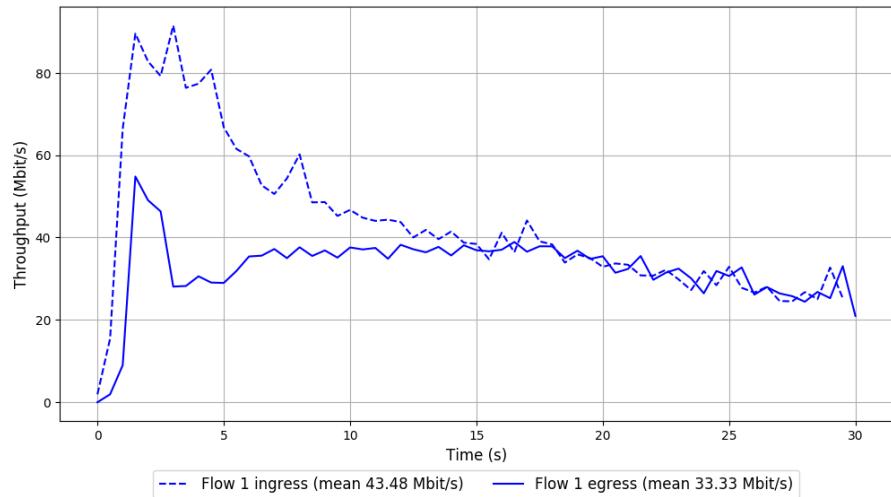


Run 4: Statistics of Indigo

```
Start at: 2019-01-21 22:30:31
End at: 2019-01-21 22:31:01
Local clock offset: 12.868 ms
Remote clock offset: 7.468 ms

# Below is generated by plot.py at 2019-01-21 23:12:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 92.342 ms
Loss rate: 23.69%
-- Flow 1:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 92.342 ms
Loss rate: 23.69%
```

Run 4: Report of Indigo — Data Link

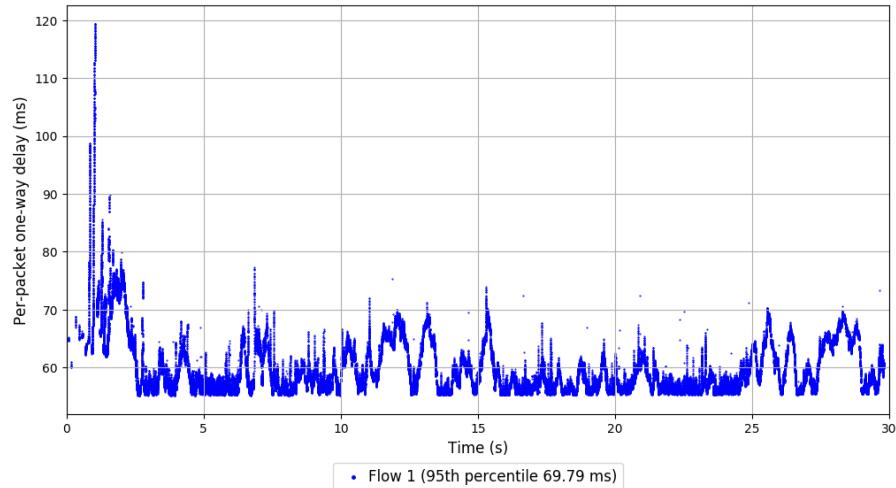
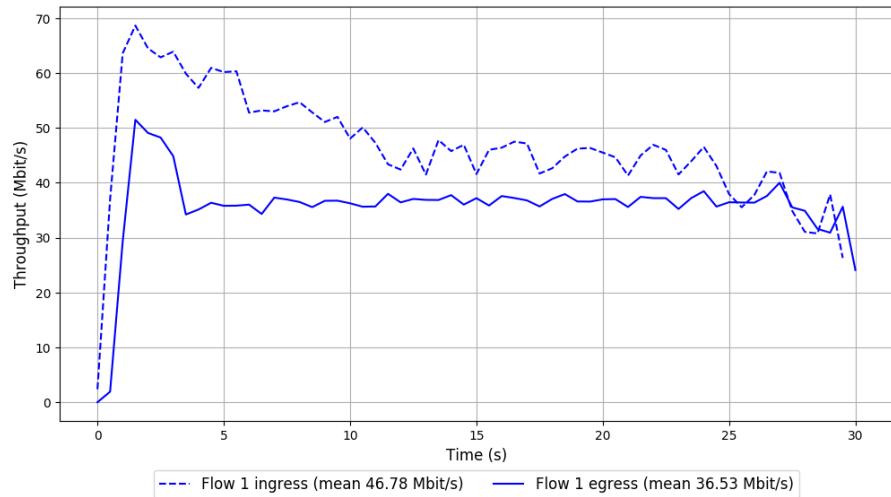


Run 5: Statistics of Indigo

```
Start at: 2019-01-21 22:55:04
End at: 2019-01-21 22:55:34
Local clock offset: 6.856 ms
Remote clock offset: 7.796 ms

# Below is generated by plot.py at 2019-01-21 23:13:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 69.790 ms
Loss rate: 22.19%
-- Flow 1:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 69.790 ms
Loss rate: 22.19%
```

Run 5: Report of Indigo — Data Link

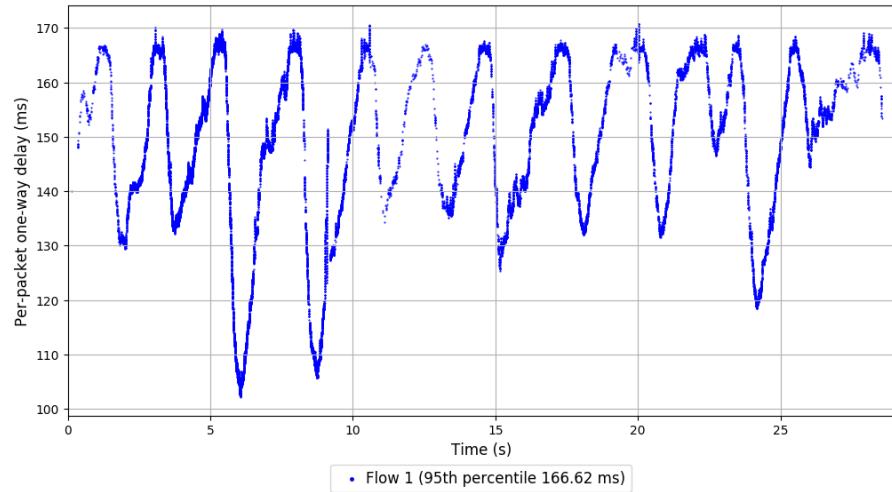
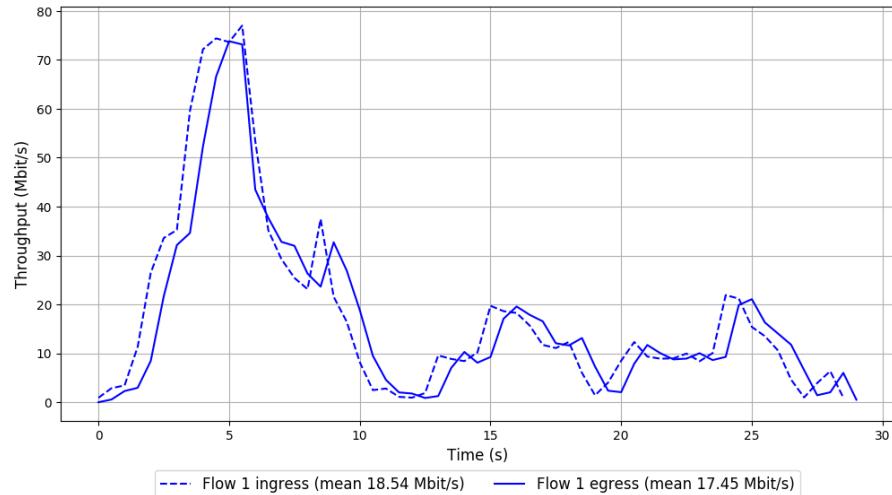


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 21:25:15
End at: 2019-01-21 21:25:45
Local clock offset: 1.134 ms
Remote clock offset: 7.092 ms

# Below is generated by plot.py at 2019-01-21 23:13:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.45 Mbit/s
95th percentile per-packet one-way delay: 166.621 ms
Loss rate: 6.55%
-- Flow 1:
Average throughput: 17.45 Mbit/s
95th percentile per-packet one-way delay: 166.621 ms
Loss rate: 6.55%
```

Run 1: Report of Indigo-MusesC3 — Data Link

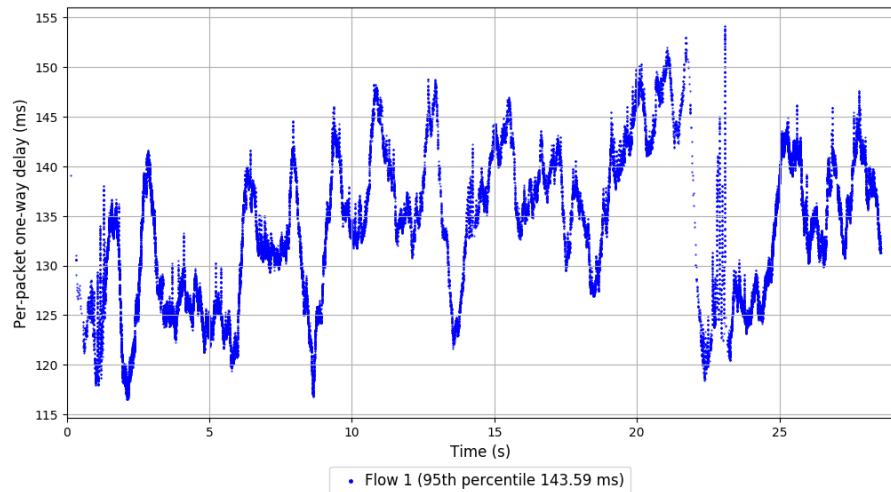
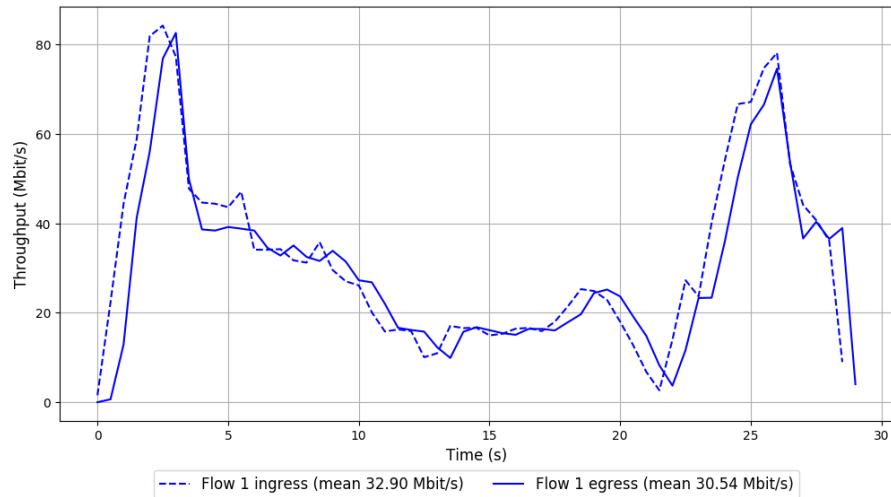


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 21:51:16
End at: 2019-01-21 21:51:46
Local clock offset: 1.406 ms
Remote clock offset: 7.279 ms

# Below is generated by plot.py at 2019-01-21 23:13:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 143.594 ms
Loss rate: 7.82%
-- Flow 1:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 143.594 ms
Loss rate: 7.82%
```

Run 2: Report of Indigo-MusesC3 — Data Link

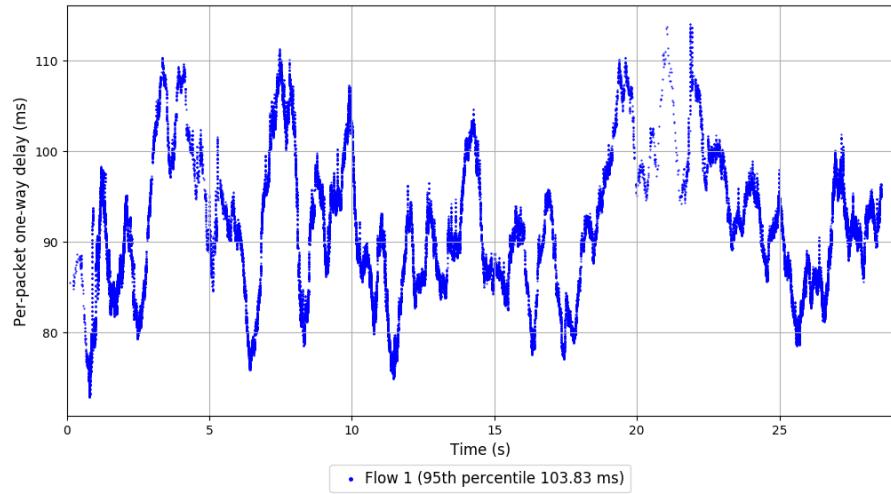
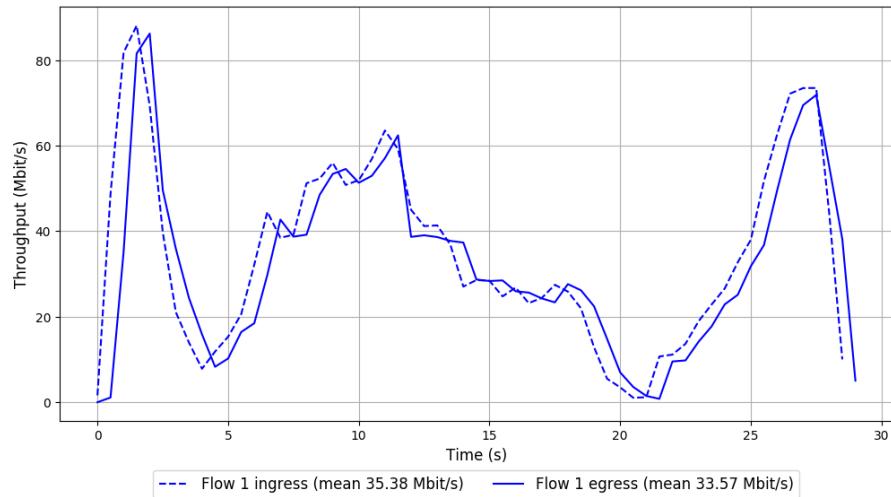


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 22:16:23
End at: 2019-01-21 22:16:53
Local clock offset: 2.288 ms
Remote clock offset: 7.453 ms

# Below is generated by plot.py at 2019-01-21 23:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 103.827 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 103.827 ms
Loss rate: 5.58%
```

Run 3: Report of Indigo-MusesC3 — Data Link

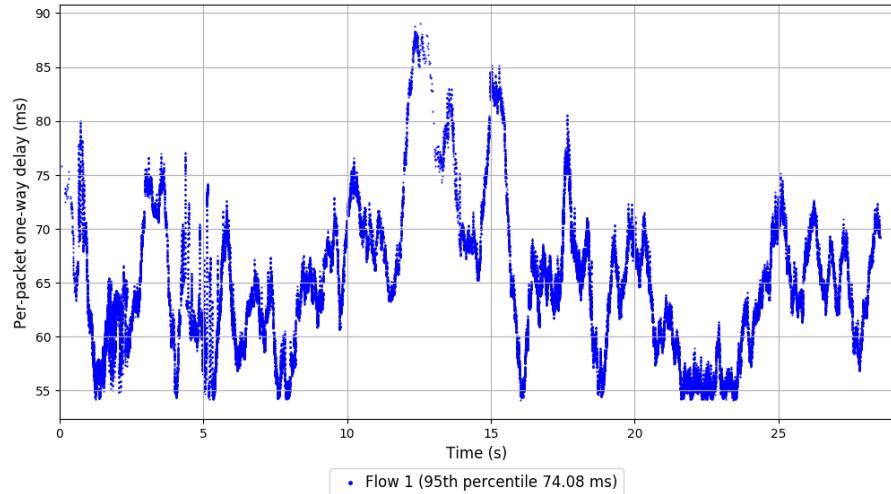
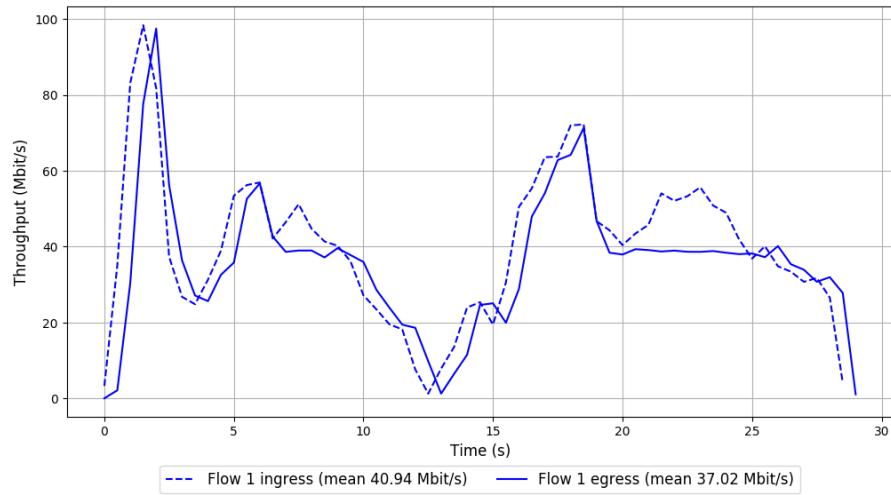


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 22:41:03
End at: 2019-01-21 22:41:33
Local clock offset: 15.901 ms
Remote clock offset: 7.677 ms

# Below is generated by plot.py at 2019-01-21 23:13:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 74.085 ms
Loss rate: 9.99%
-- Flow 1:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 74.085 ms
Loss rate: 9.99%
```

Run 4: Report of Indigo-MusesC3 — Data Link

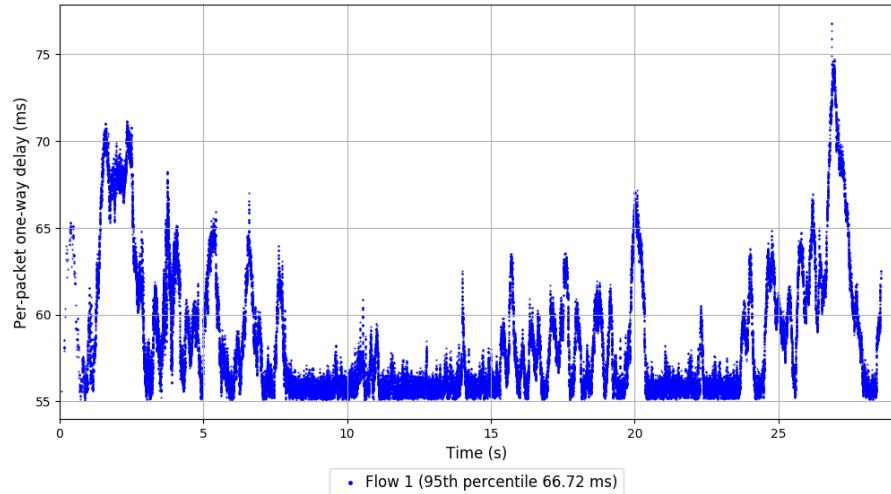
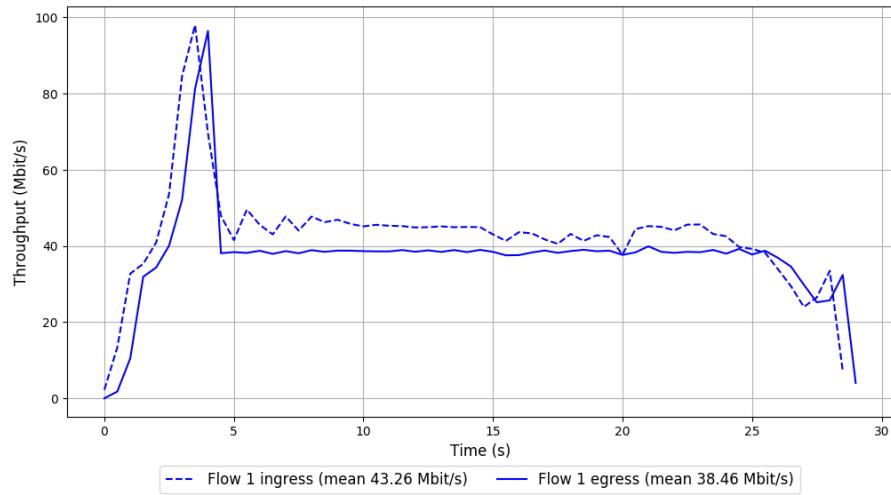


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-21 23:05:35
End at: 2019-01-21 23:06:05
Local clock offset: 2.445 ms
Remote clock offset: 7.158 ms

# Below is generated by plot.py at 2019-01-21 23:13:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 66.720 ms
Loss rate: 11.43%
-- Flow 1:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 66.720 ms
Loss rate: 11.43%
```

Run 5: Report of Indigo-MusesC3 — Data Link

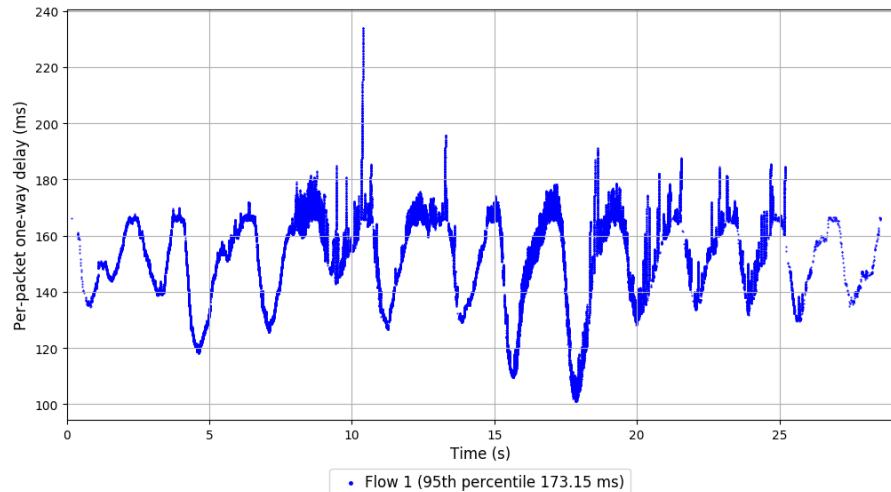
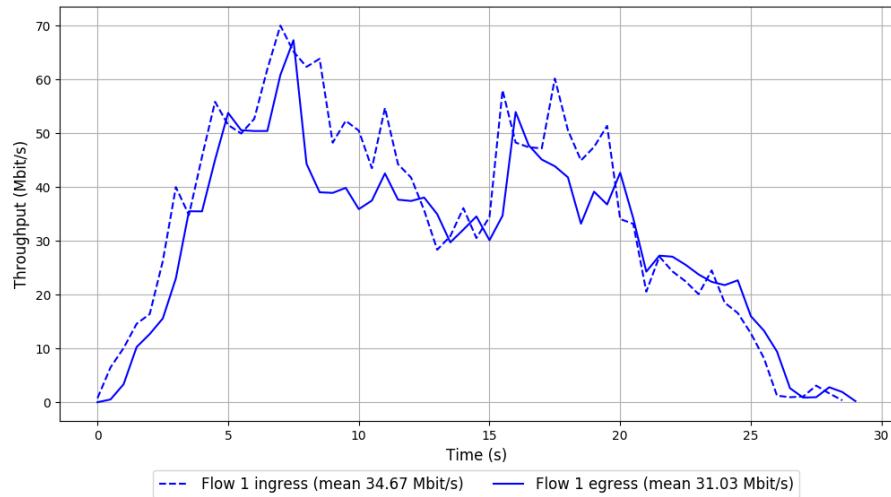


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 21:18:32
End at: 2019-01-21 21:19:02
Local clock offset: 1.064 ms
Remote clock offset: 7.53 ms

# Below is generated by plot.py at 2019-01-21 23:13:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 173.150 ms
Loss rate: 11.19%
-- Flow 1:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 173.150 ms
Loss rate: 11.19%
```

Run 1: Report of Indigo-MusesC5 — Data Link

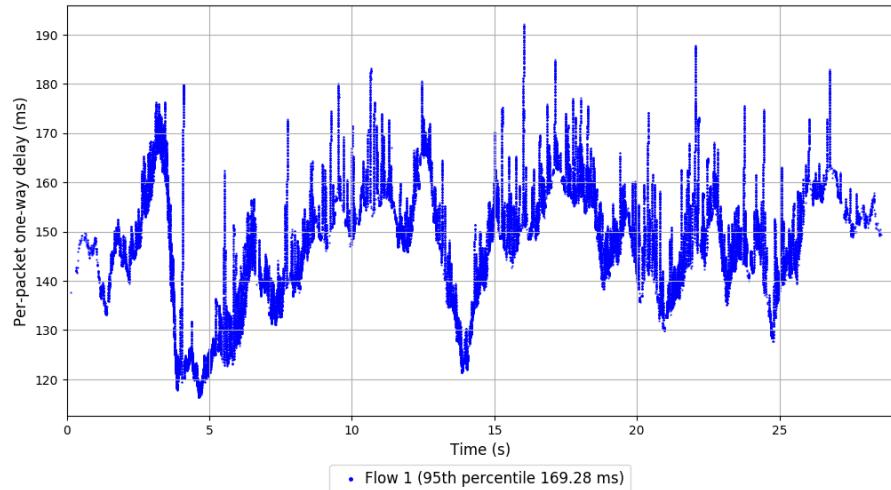
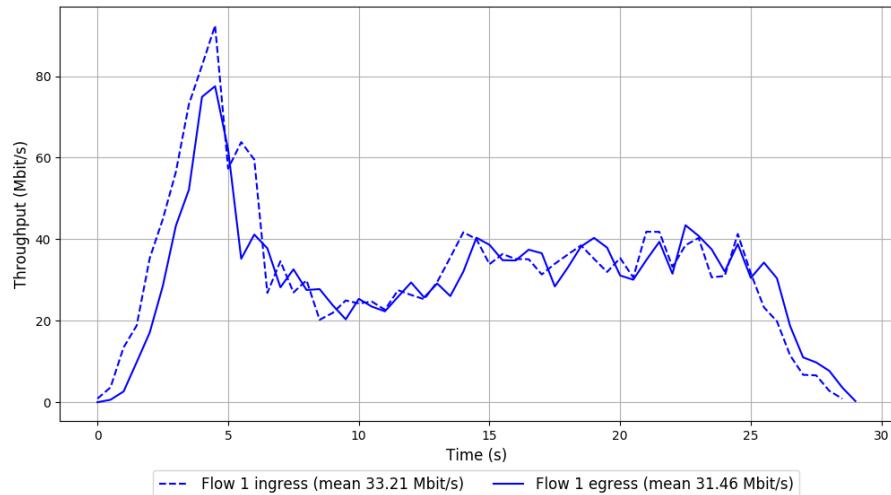


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 21:45:04
End at: 2019-01-21 21:45:34
Local clock offset: 0.622 ms
Remote clock offset: 7.55 ms

# Below is generated by plot.py at 2019-01-21 23:13:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 169.279 ms
Loss rate: 5.89%
-- Flow 1:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 169.279 ms
Loss rate: 5.89%
```

Run 2: Report of Indigo-MusesC5 — Data Link

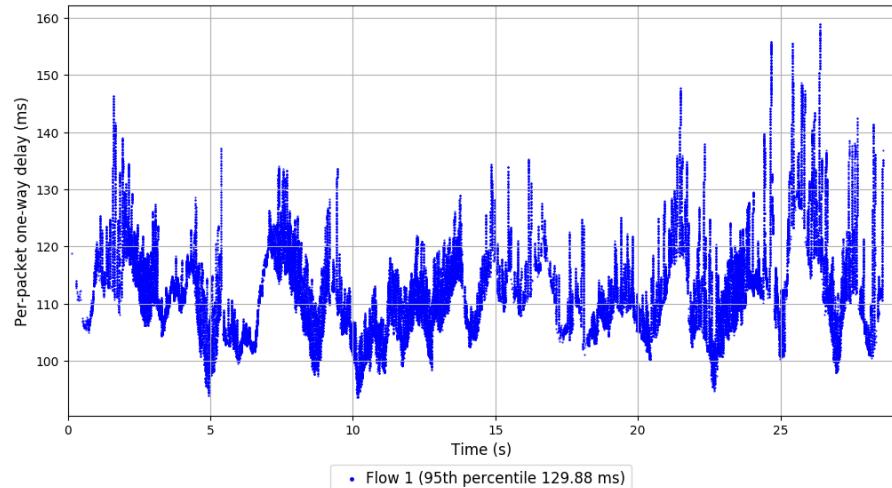
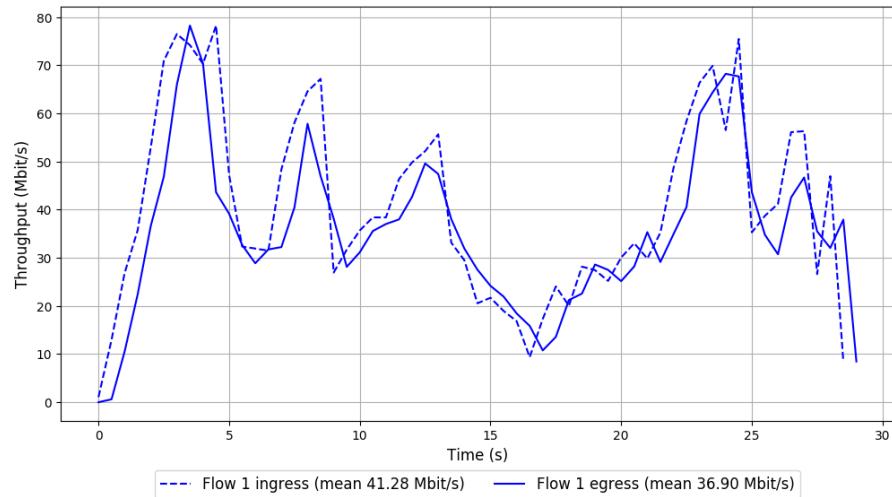


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 22:10:27
End at: 2019-01-21 22:10:57
Local clock offset: 1.912 ms
Remote clock offset: 7.582 ms

# Below is generated by plot.py at 2019-01-21 23:13:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 129.877 ms
Loss rate: 11.03%
-- Flow 1:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 129.877 ms
Loss rate: 11.03%
```

Run 3: Report of Indigo-MusesC5 — Data Link

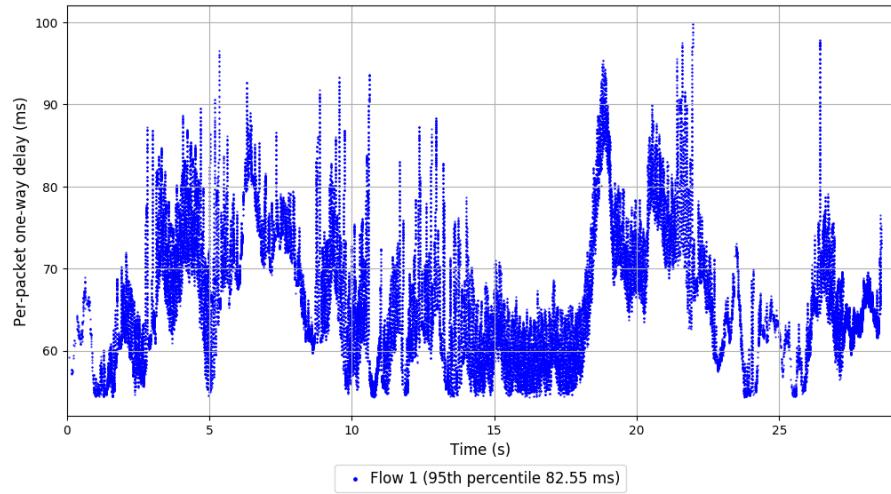
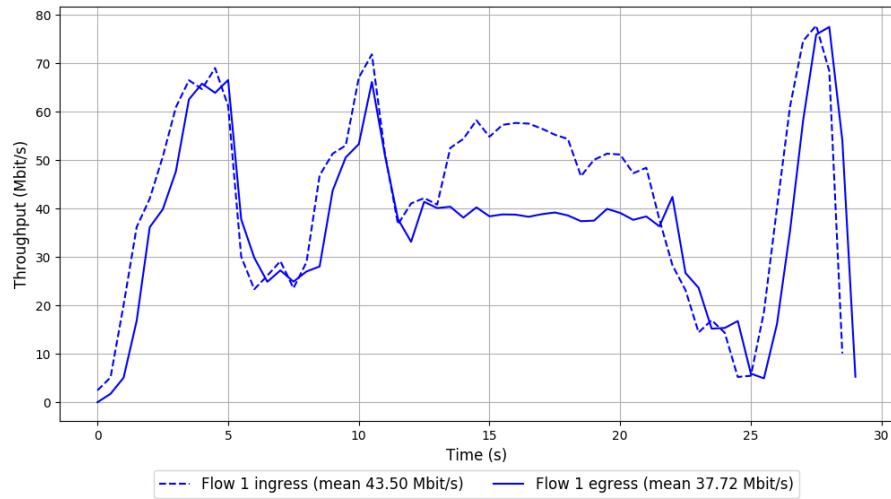


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 22:35:11
End at: 2019-01-21 22:35:41
Local clock offset: 14.604 ms
Remote clock offset: 7.399 ms

# Below is generated by plot.py at 2019-01-21 23:13:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 82.551 ms
Loss rate: 13.65%
-- Flow 1:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 82.551 ms
Loss rate: 13.65%
```

Run 4: Report of Indigo-MusesC5 — Data Link

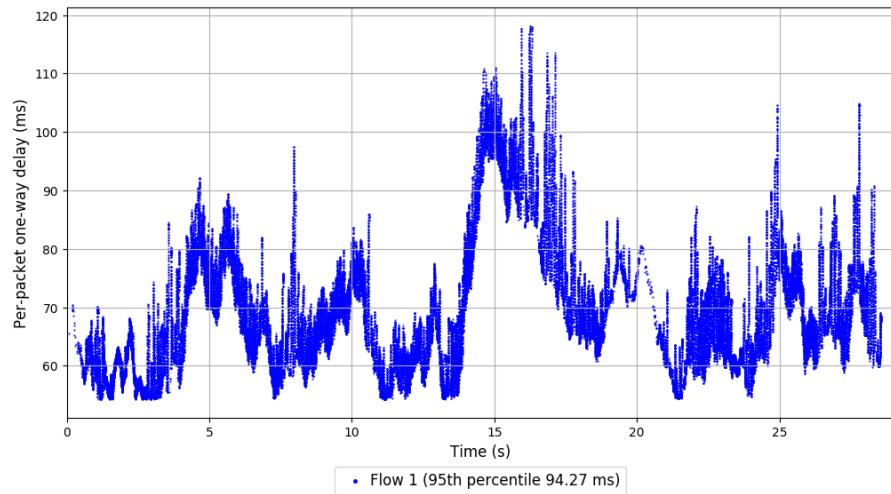
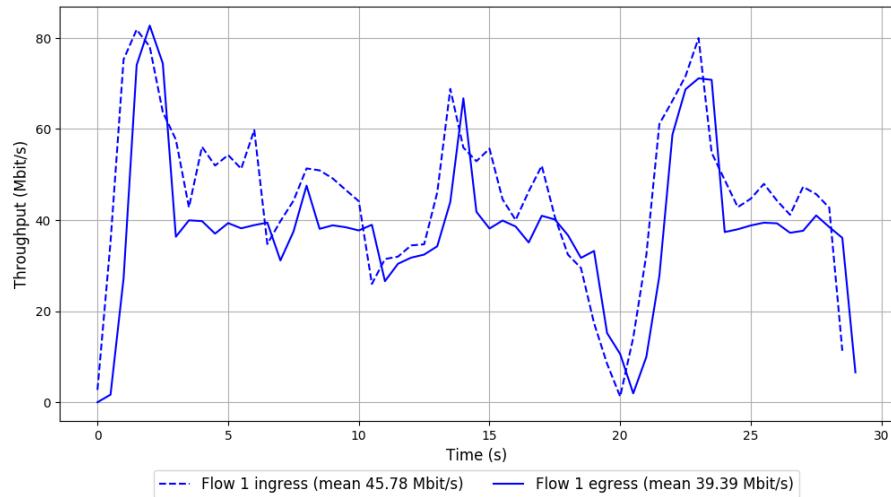


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-21 22:59:45
End at: 2019-01-21 23:00:15
Local clock offset: 4.301 ms
Remote clock offset: 7.449 ms

# Below is generated by plot.py at 2019-01-21 23:13:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 94.274 ms
Loss rate: 14.31%
-- Flow 1:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 94.274 ms
Loss rate: 14.31%
```

Run 5: Report of Indigo-MusesC5 — Data Link

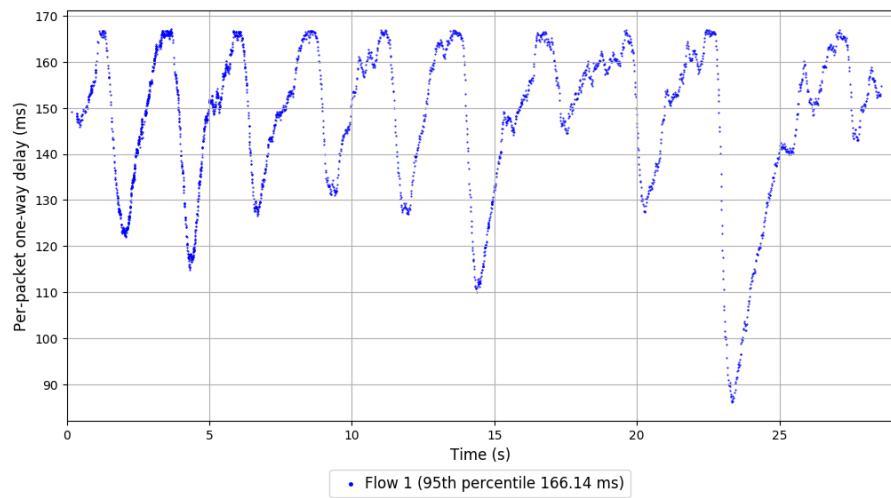
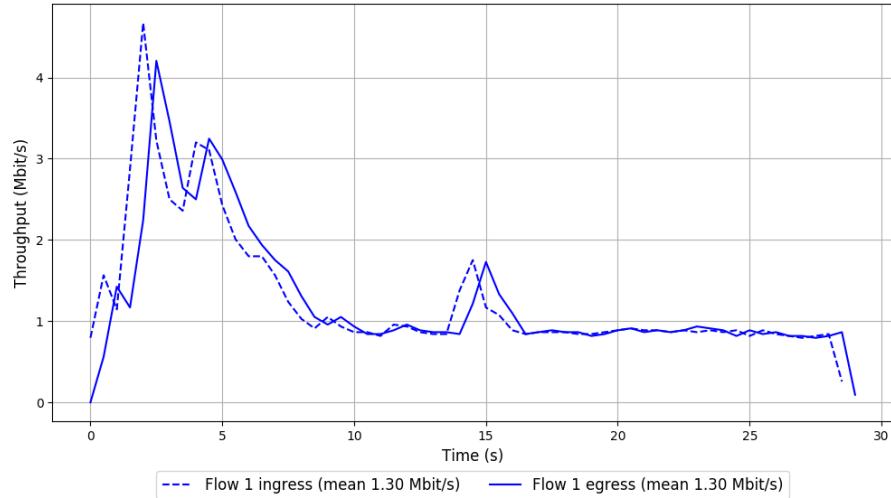


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-01-21 21:28:04
End at: 2019-01-21 21:28:34
Local clock offset: 0.957 ms
Remote clock offset: 7.22 ms

# Below is generated by plot.py at 2019-01-21 23:13:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 166.140 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 166.140 ms
Loss rate: 0.72%
```

Run 1: Report of Indigo-MusesD — Data Link

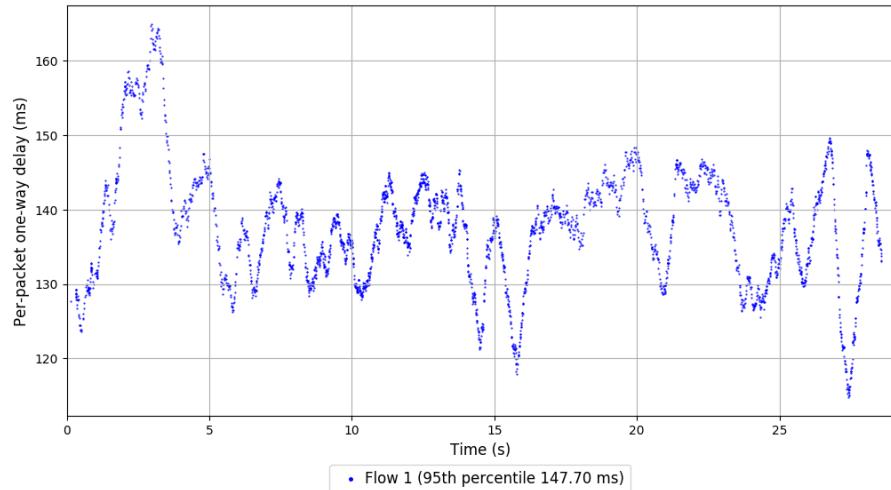
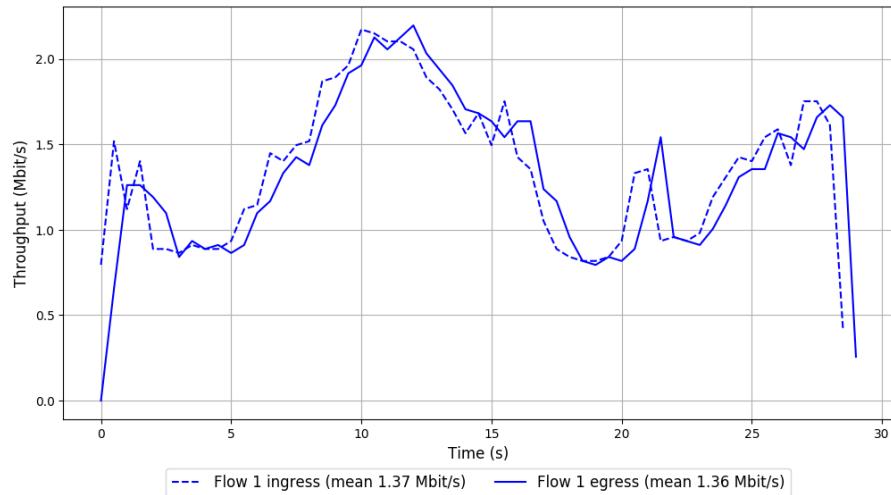


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-21 21:53:41
End at: 2019-01-21 21:54:11
Local clock offset: 1.499 ms
Remote clock offset: 8.108 ms

# Below is generated by plot.py at 2019-01-21 23:13:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 147.696 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 147.696 ms
Loss rate: 0.78%
```

Run 2: Report of Indigo-MusesD — Data Link

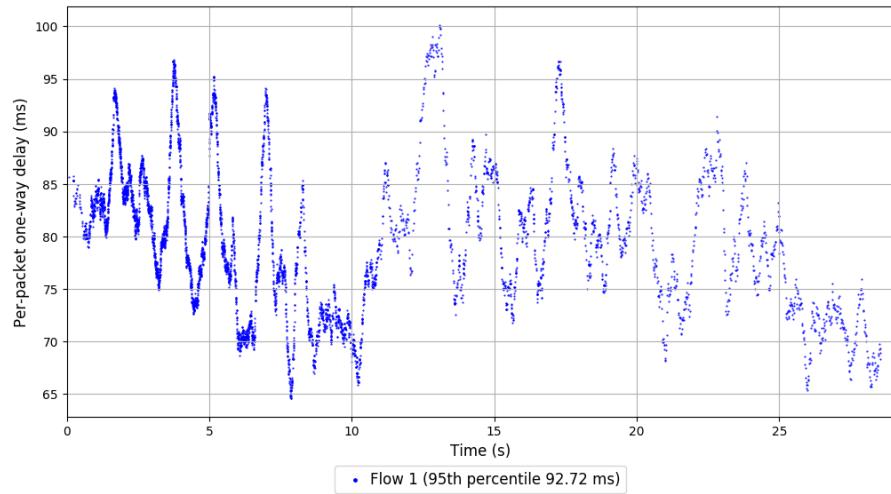
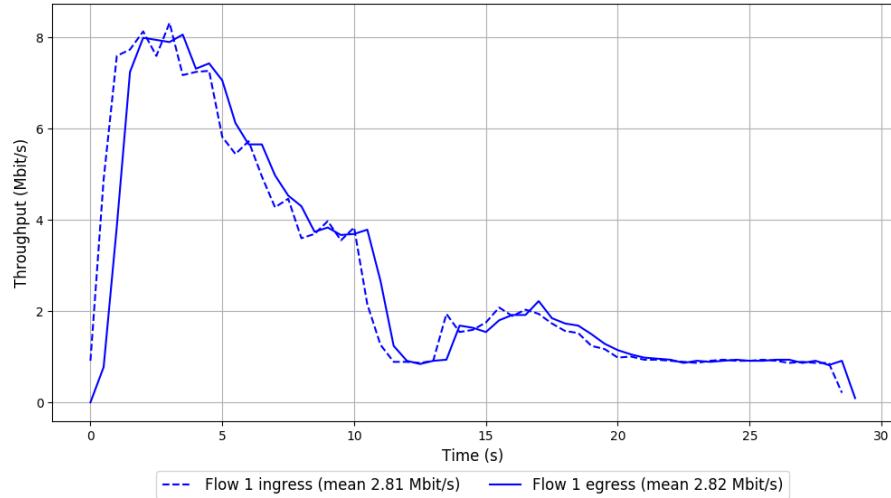


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-21 22:18:45
End at: 2019-01-21 22:19:15
Local clock offset: 5.127 ms
Remote clock offset: 7.727 ms

# Below is generated by plot.py at 2019-01-21 23:13:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 92.725 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 92.725 ms
Loss rate: 0.13%
```

Run 3: Report of Indigo-MusesD — Data Link

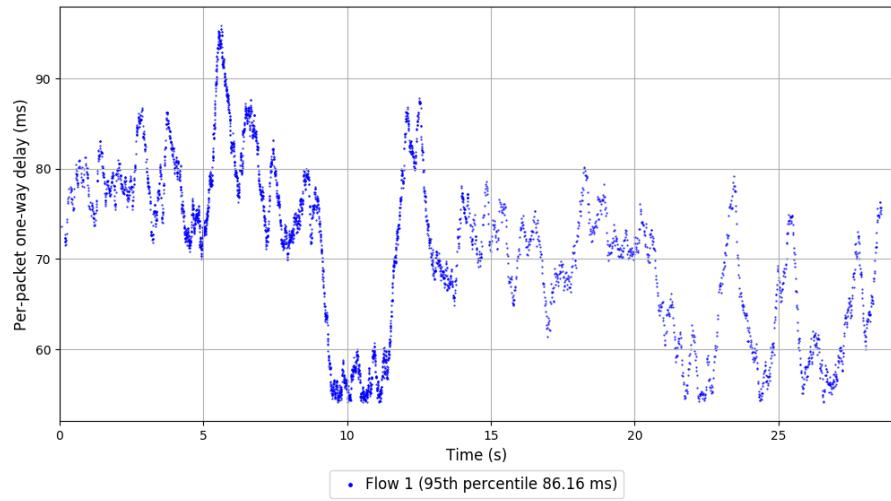
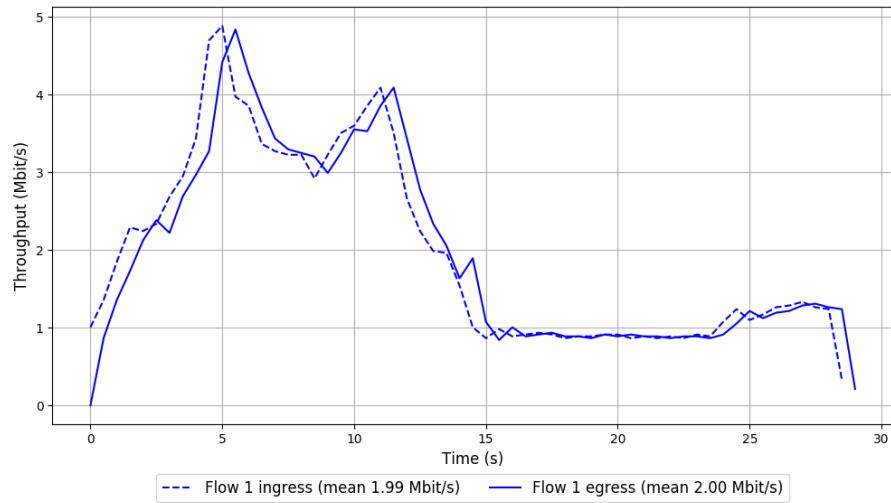


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-21 22:43:24
End at: 2019-01-21 22:43:54
Local clock offset: 16.573 ms
Remote clock offset: 7.494 ms

# Below is generated by plot.py at 2019-01-21 23:13:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 86.164 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 86.164 ms
Loss rate: 0.27%
```

Run 4: Report of Indigo-MusesD — Data Link

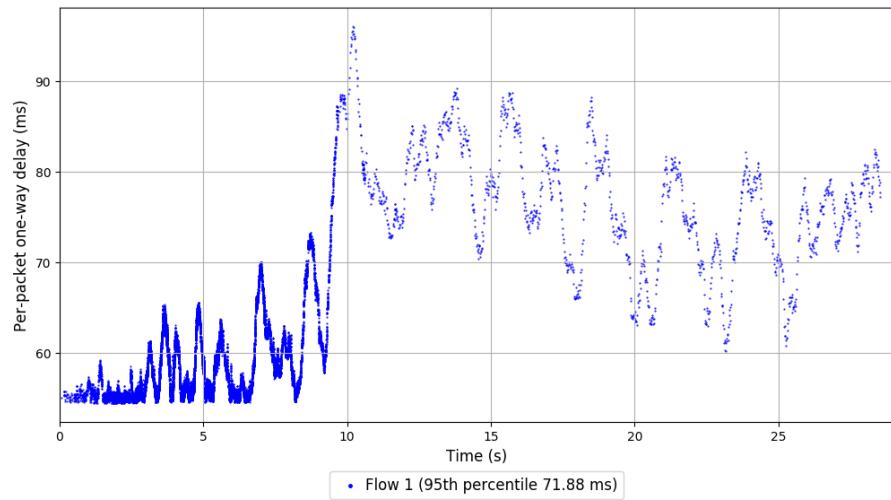
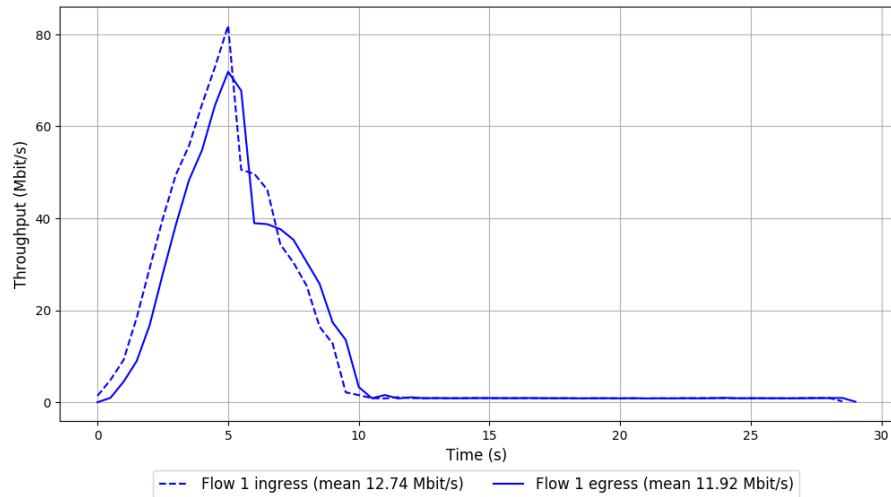


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-21 23:07:57
End at: 2019-01-21 23:08:27
Local clock offset: 1.707 ms
Remote clock offset: 7.243 ms

# Below is generated by plot.py at 2019-01-21 23:13:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 71.880 ms
Loss rate: 6.80%
-- Flow 1:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 71.880 ms
Loss rate: 6.80%
```

Run 5: Report of Indigo-MusesD — Data Link

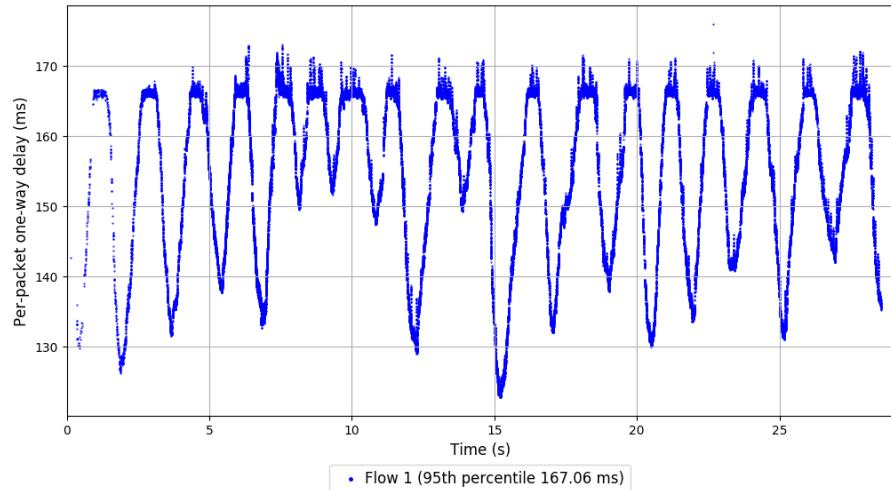
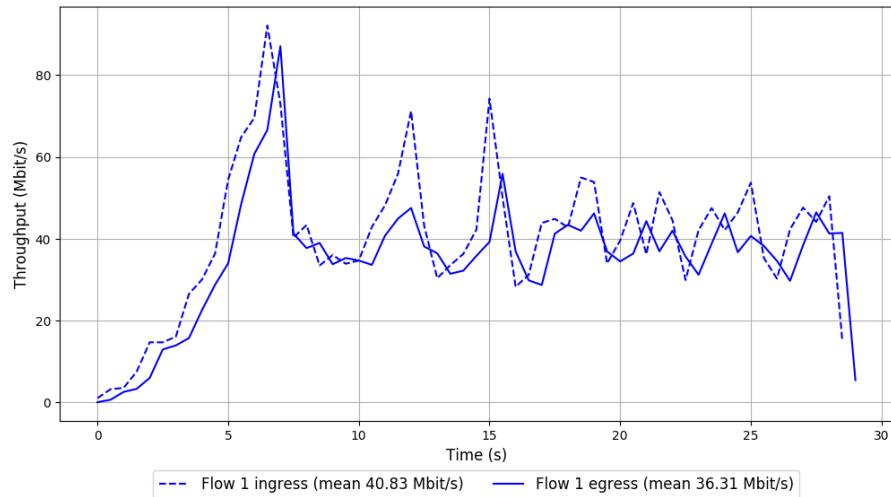


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 21:10:44
End at: 2019-01-21 21:11:14
Local clock offset: 1.058 ms
Remote clock offset: 8.055 ms

# Below is generated by plot.py at 2019-01-21 23:13:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 167.062 ms
Loss rate: 11.70%
-- Flow 1:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 167.062 ms
Loss rate: 11.70%
```

Run 1: Report of Indigo-MusesT — Data Link

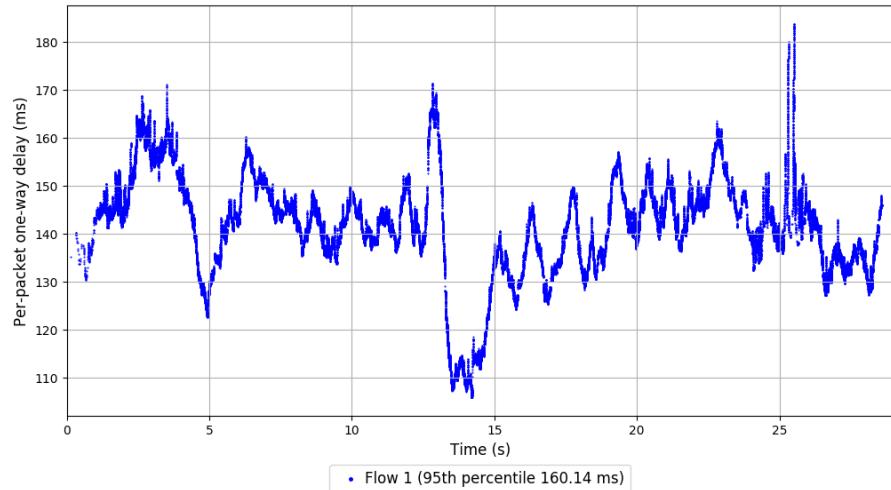
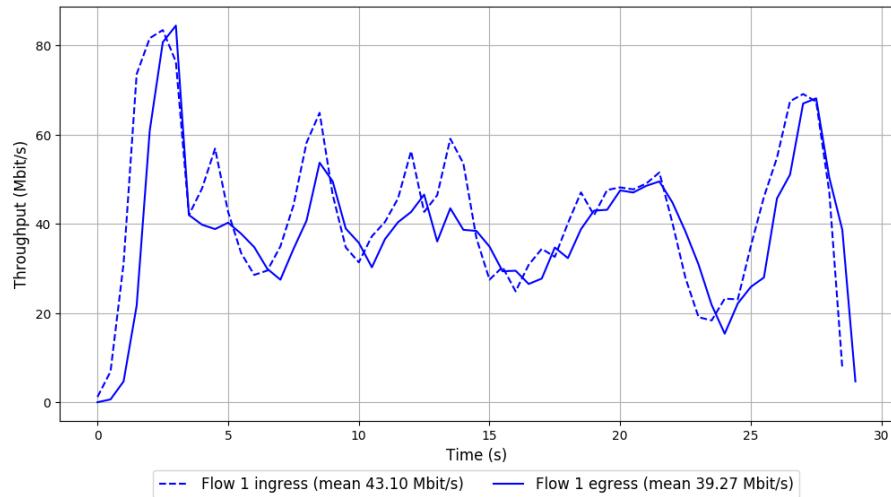


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 21:38:56
End at: 2019-01-21 21:39:26
Local clock offset: 0.535 ms
Remote clock offset: 7.157 ms

# Below is generated by plot.py at 2019-01-21 23:13:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 160.138 ms
Loss rate: 9.45%
-- Flow 1:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 160.138 ms
Loss rate: 9.45%
```

Run 2: Report of Indigo-MusesT — Data Link

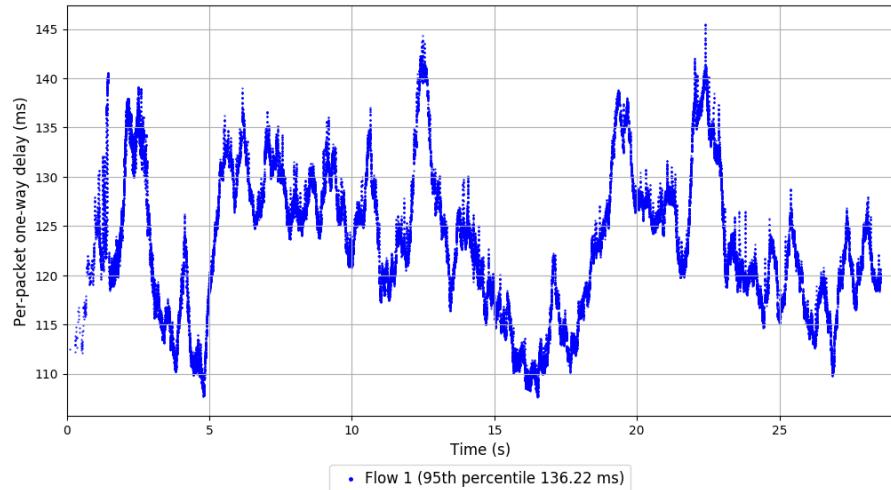
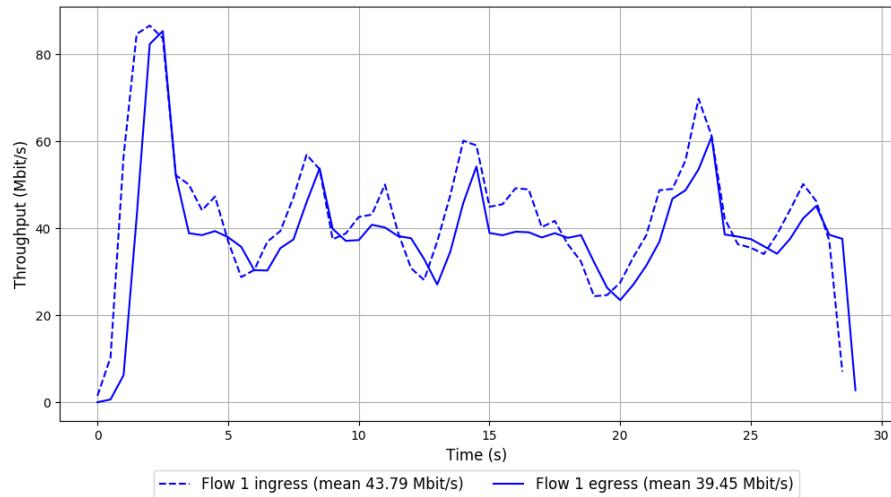


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 22:04:26
End at: 2019-01-21 22:04:56
Local clock offset: 2.075 ms
Remote clock offset: 7.276 ms

# Below is generated by plot.py at 2019-01-21 23:13:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 136.217 ms
Loss rate: 10.45%
-- Flow 1:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 136.217 ms
Loss rate: 10.45%
```

Run 3: Report of Indigo-MusesT — Data Link

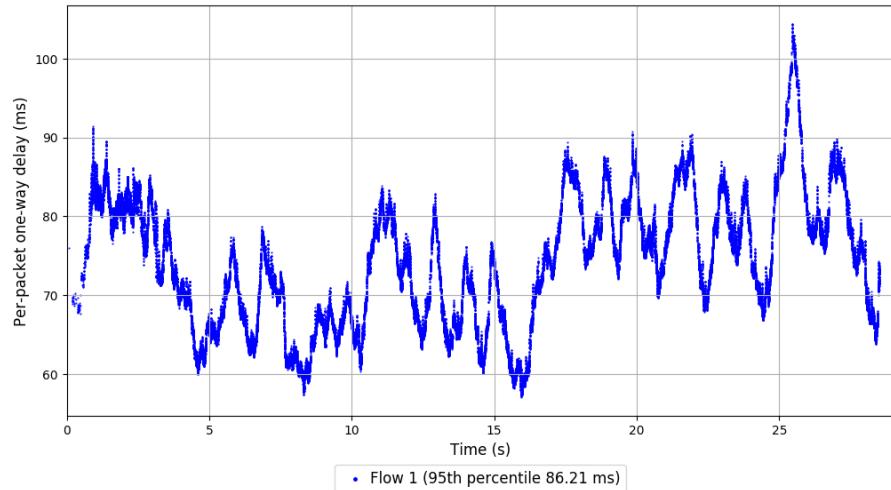
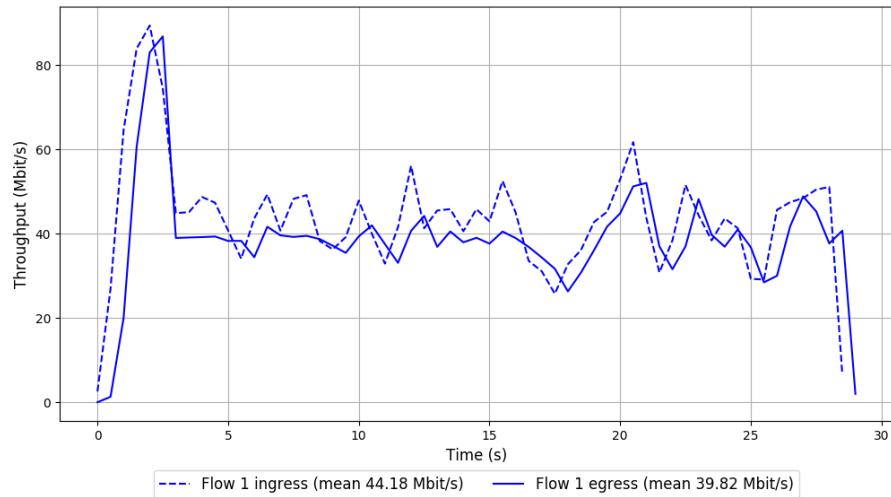


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 22:29:20
End at: 2019-01-21 22:29:50
Local clock offset: 12.438 ms
Remote clock offset: 7.596 ms

# Below is generated by plot.py at 2019-01-21 23:13:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 86.208 ms
Loss rate: 10.28%
-- Flow 1:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 86.208 ms
Loss rate: 10.28%
```

Run 4: Report of Indigo-MusesT — Data Link

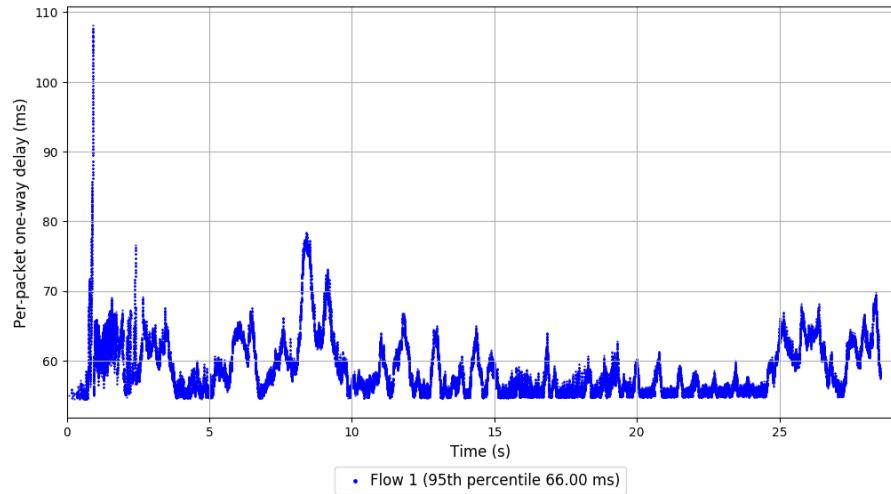
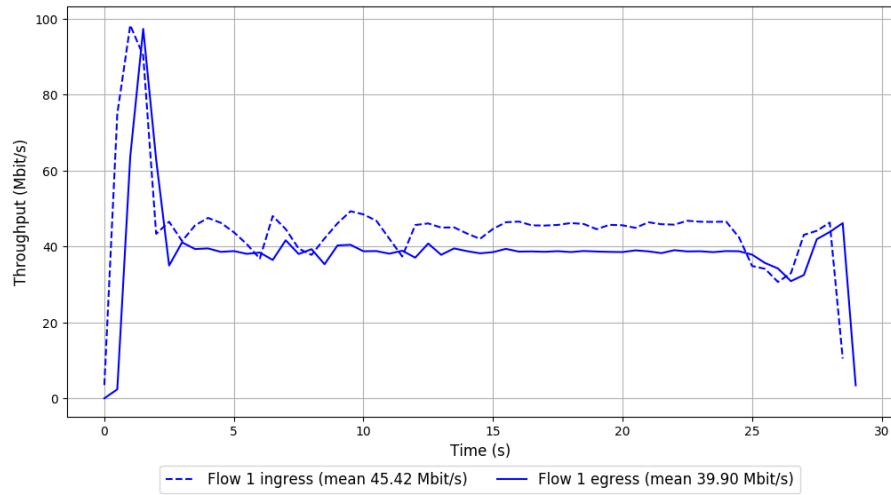


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-21 22:53:54
End at: 2019-01-21 22:54:24
Local clock offset: 7.618 ms
Remote clock offset: 7.931 ms

# Below is generated by plot.py at 2019-01-21 23:14:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 66.004 ms
Loss rate: 12.50%
-- Flow 1:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 66.004 ms
Loss rate: 12.50%
```

Run 5: Report of Indigo-MusesT — Data Link

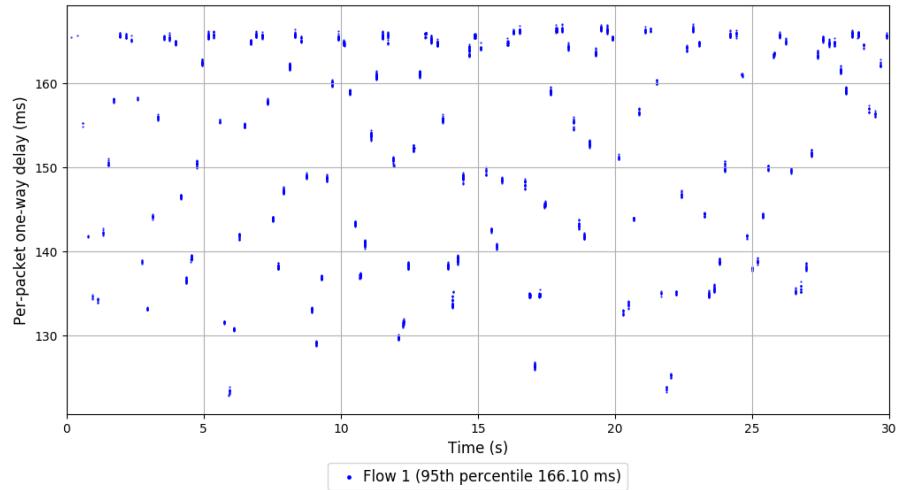
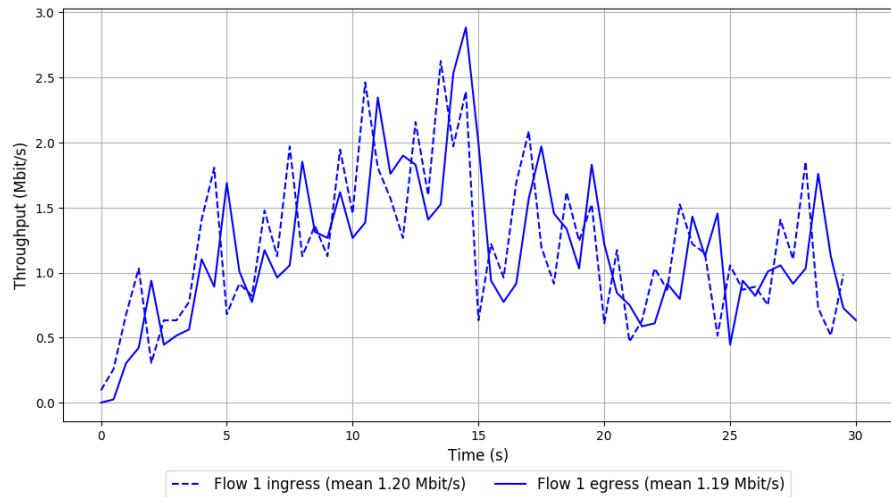


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-21 21:09:31
End at: 2019-01-21 21:10:01
Local clock offset: 1.083 ms
Remote clock offset: 7.713 ms

# Below is generated by plot.py at 2019-01-21 23:14:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 166.105 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 166.105 ms
Loss rate: 1.60%
```

Run 1: Report of LEDBAT — Data Link

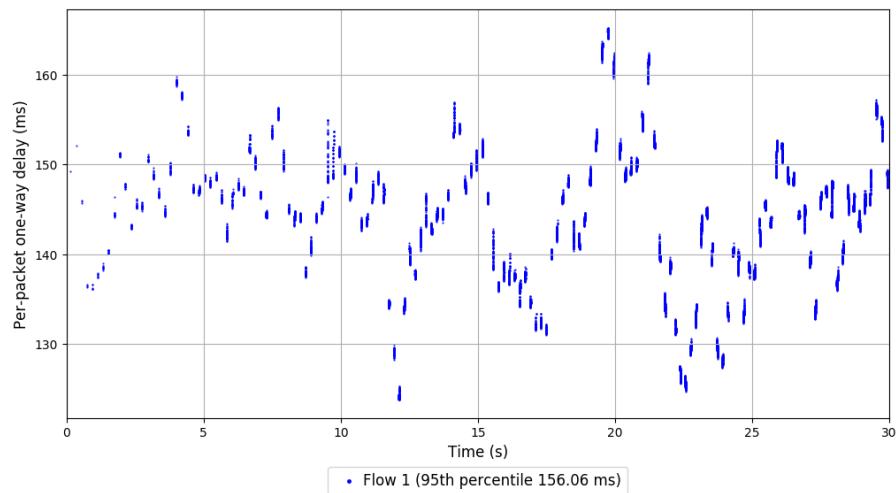
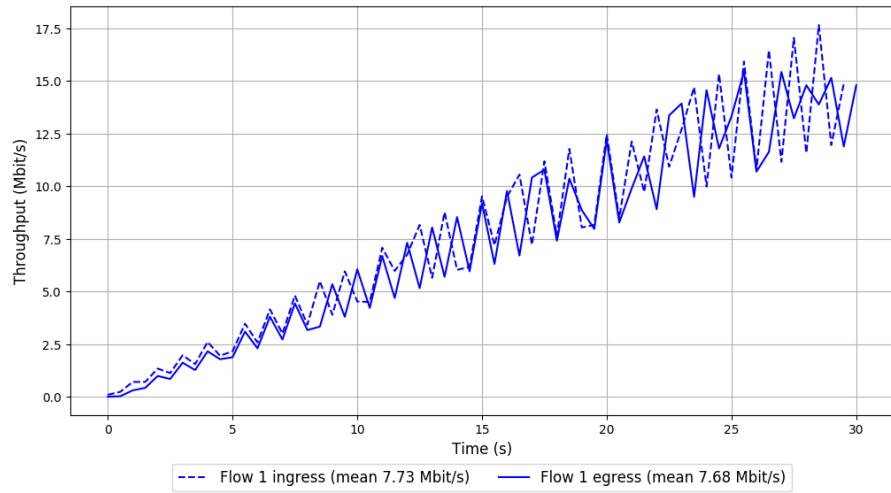


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-21 21:37:43
End at: 2019-01-21 21:38:13
Local clock offset: 0.631 ms
Remote clock offset: 7.188 ms

# Below is generated by plot.py at 2019-01-21 23:14:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 156.058 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 156.058 ms
Loss rate: 1.31%
```

Run 2: Report of LEDBAT — Data Link

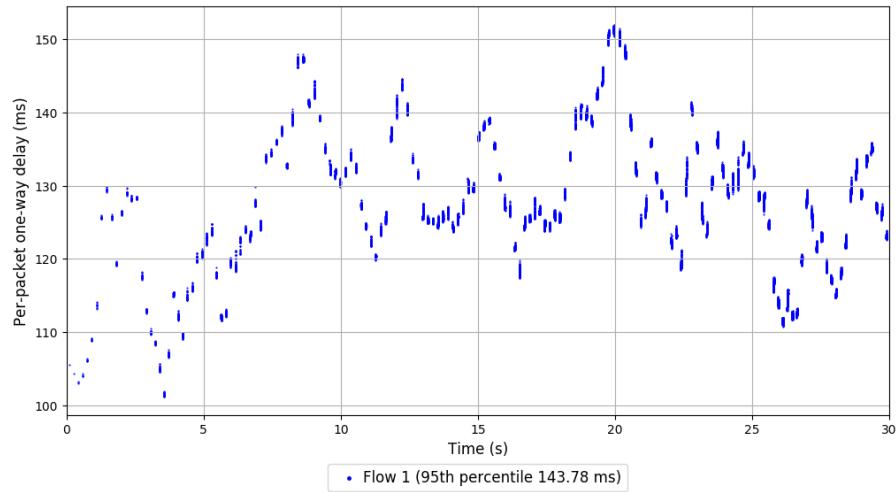
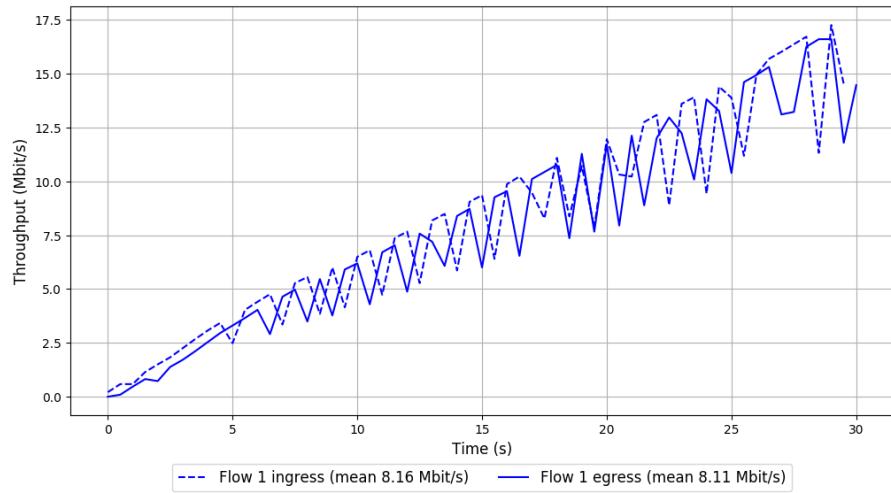


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-21 22:03:15
End at: 2019-01-21 22:03:45
Local clock offset: 1.857 ms
Remote clock offset: 8.055 ms

# Below is generated by plot.py at 2019-01-21 23:14:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 143.776 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 143.776 ms
Loss rate: 1.19%
```

Run 3: Report of LEDBAT — Data Link

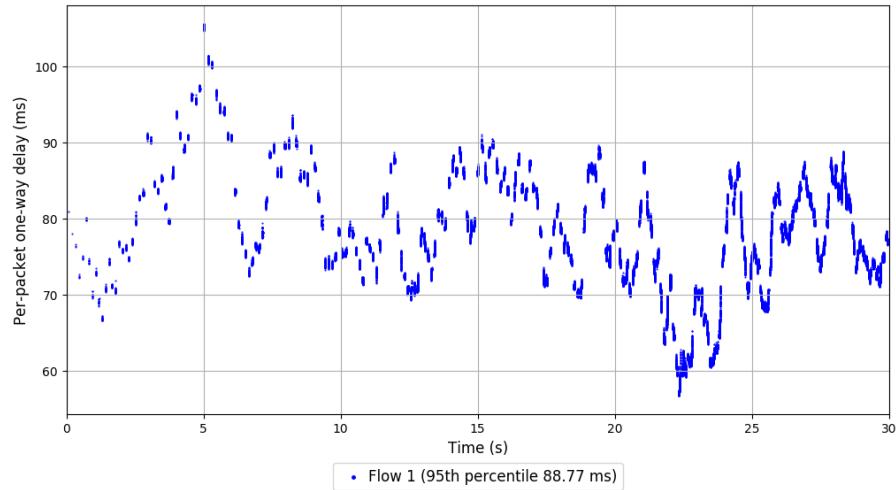
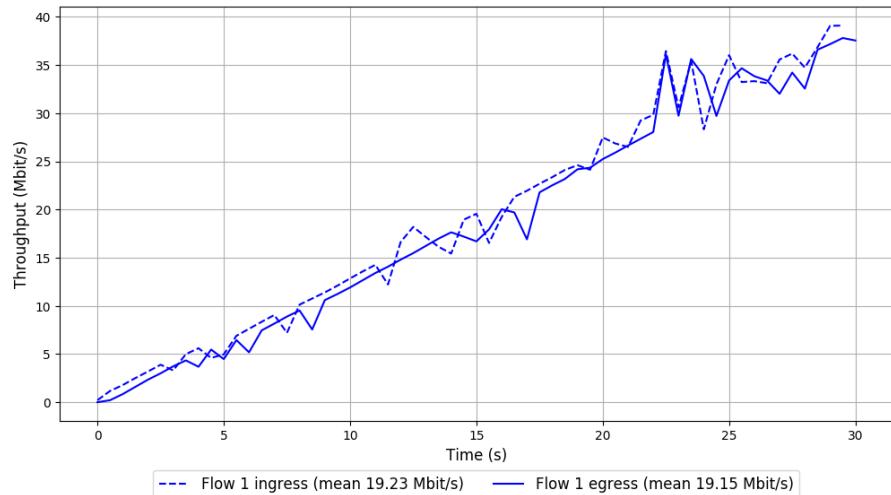


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-21 22:28:09
End at: 2019-01-21 22:28:39
Local clock offset: 12.175 ms
Remote clock offset: 8.392 ms

# Below is generated by plot.py at 2019-01-21 23:14:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 88.768 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 88.768 ms
Loss rate: 0.84%
```

Run 4: Report of LEDBAT — Data Link

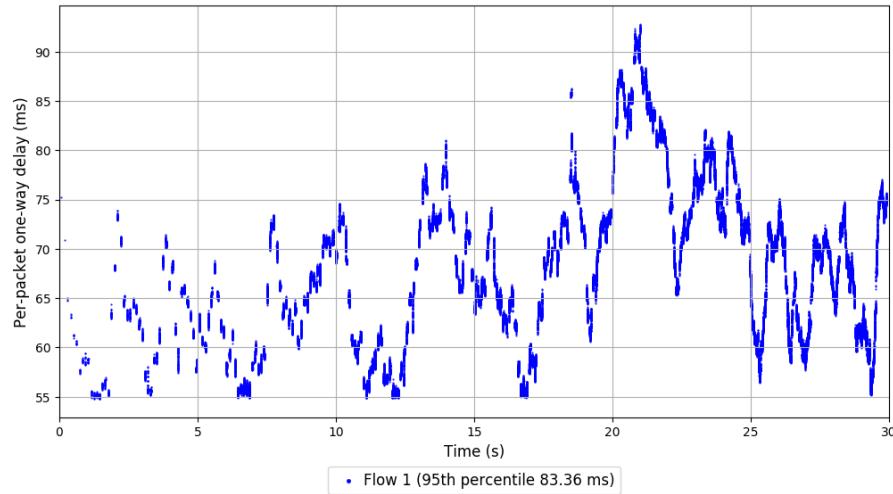
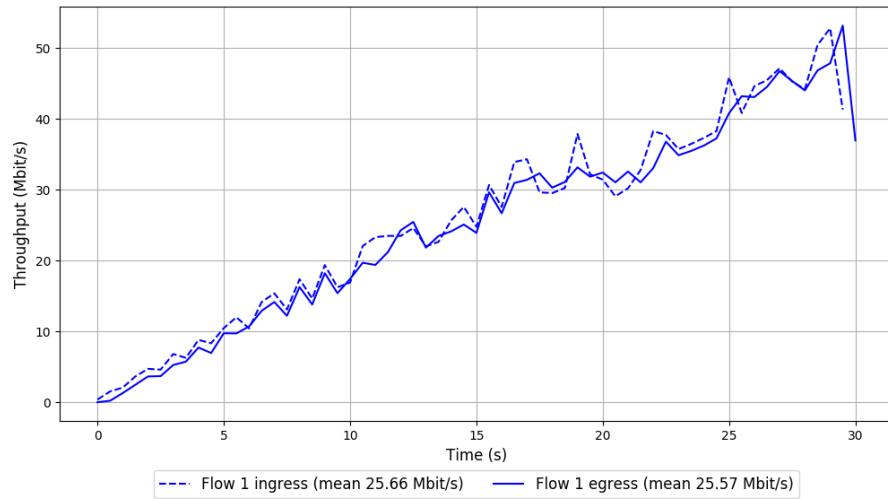


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-21 22:52:43
End at: 2019-01-21 22:53:13
Local clock offset: 8.684 ms
Remote clock offset: 7.828 ms

# Below is generated by plot.py at 2019-01-21 23:14:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 83.356 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 83.356 ms
Loss rate: 0.73%
```

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

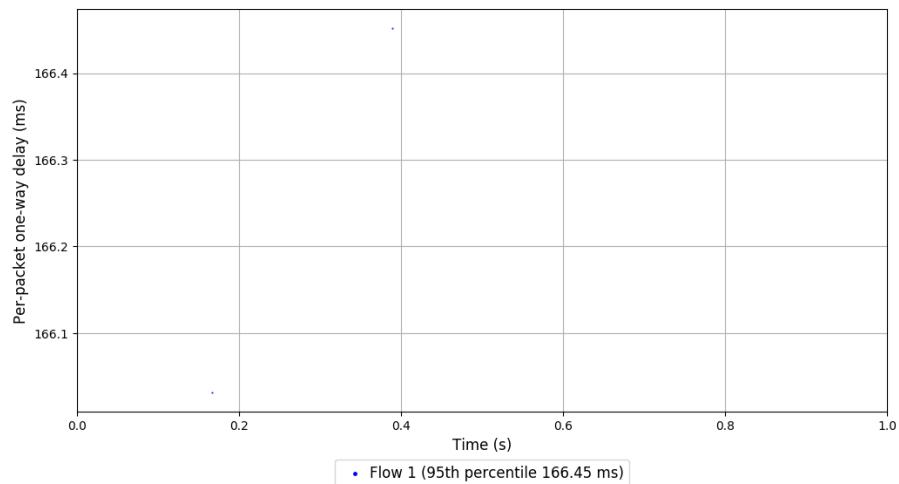
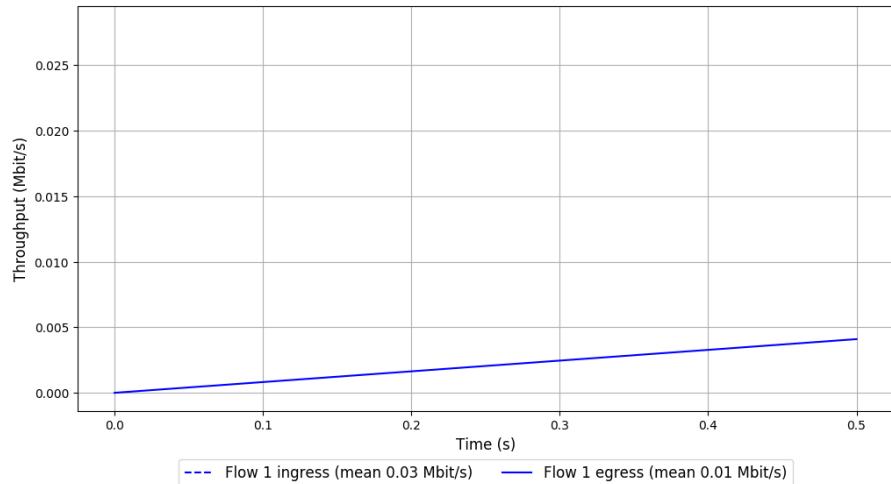
Start at: 2019-01-21 21:14:32

End at: 2019-01-21 21:15:02

Local clock offset: 1.074 ms

Remote clock offset: 7.748 ms

Run 1: Report of PCC-Allegro — Data Link

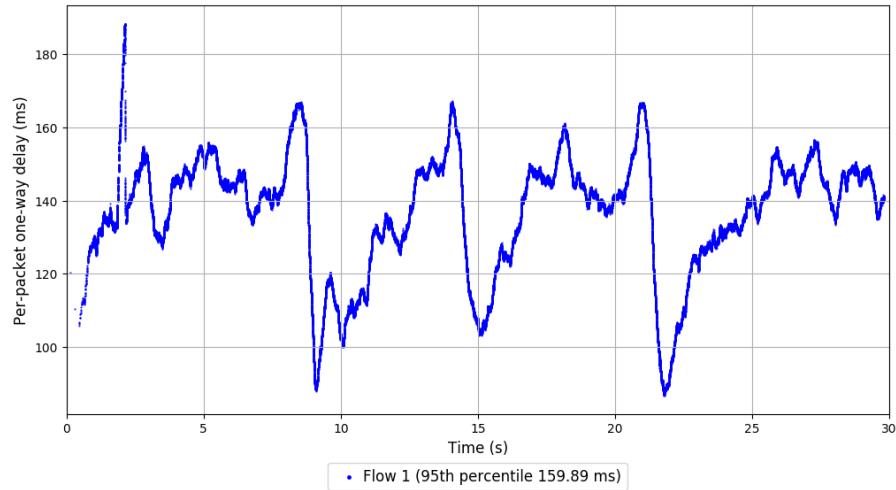
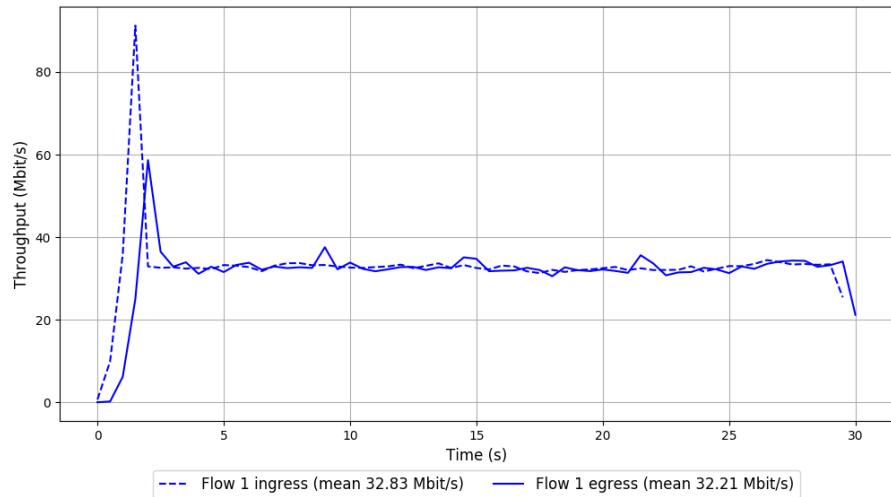


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-21 21:41:28
End at: 2019-01-21 21:41:58
Local clock offset: 0.72 ms
Remote clock offset: 7.338 ms

# Below is generated by plot.py at 2019-01-21 23:14:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 159.892 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 159.892 ms
Loss rate: 2.47%
```

Run 2: Report of PCC-Allegro — Data Link

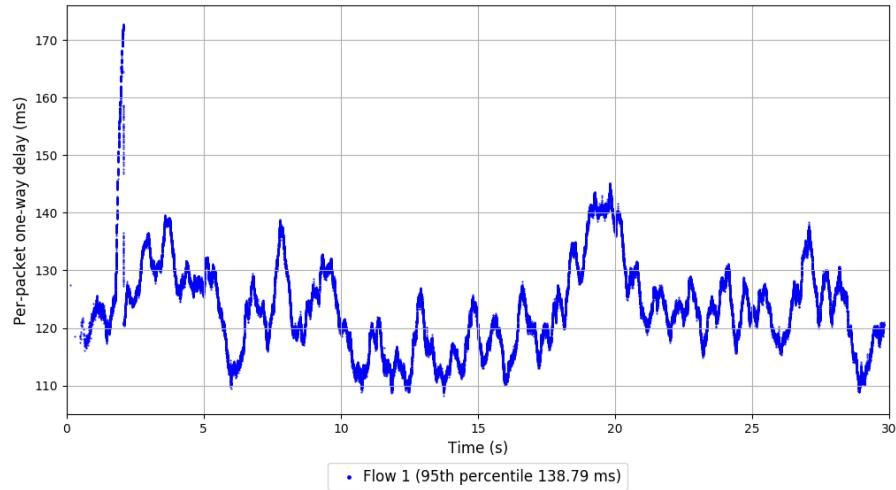
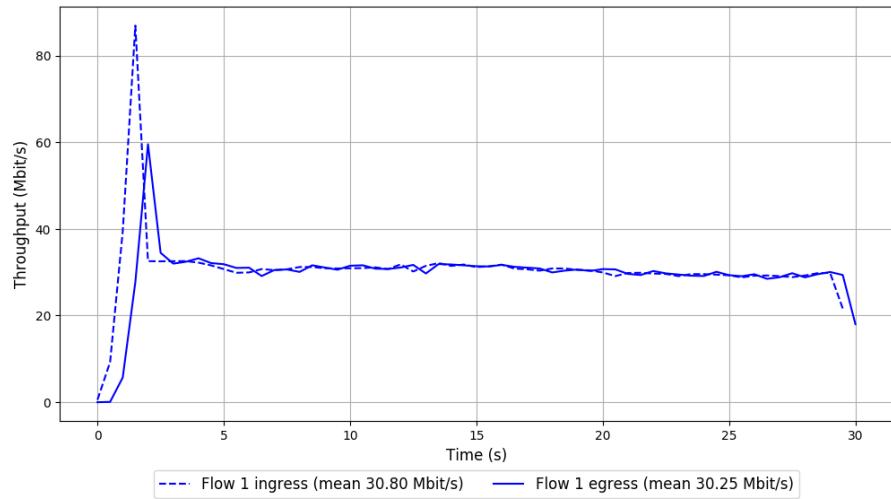


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-21 22:06:52
End at: 2019-01-21 22:07:22
Local clock offset: 1.923 ms
Remote clock offset: 7.303 ms

# Below is generated by plot.py at 2019-01-21 23:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 138.788 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 138.788 ms
Loss rate: 2.38%
```

Run 3: Report of PCC-Allegro — Data Link

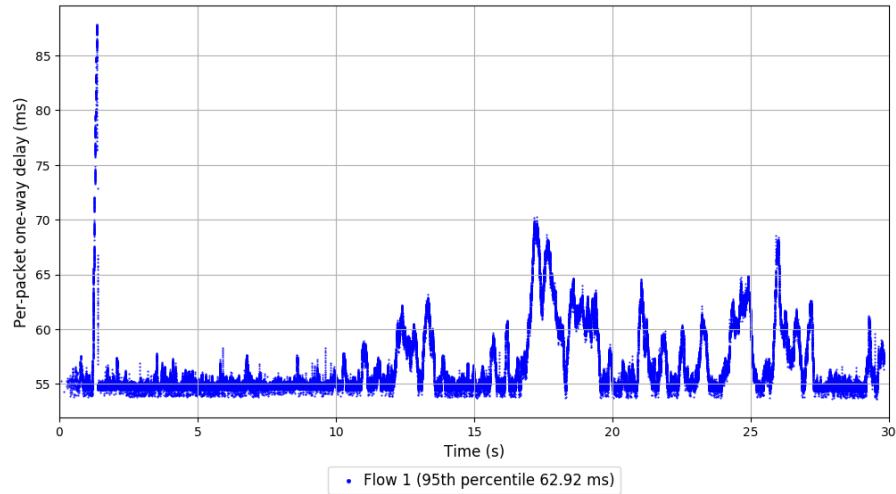
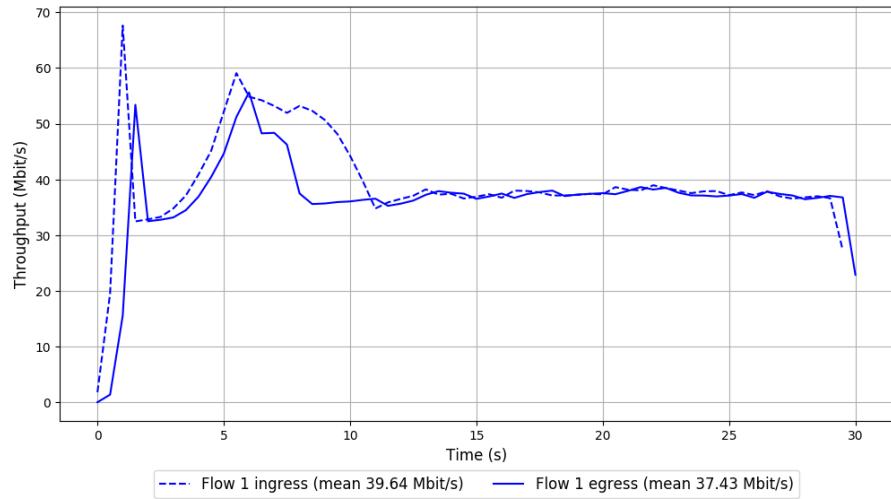


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-21 22:31:42
End at: 2019-01-21 22:32:12
Local clock offset: 13.402 ms
Remote clock offset: 7.565 ms

# Below is generated by plot.py at 2019-01-21 23:14:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 62.919 ms
Loss rate: 5.91%
-- Flow 1:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 62.919 ms
Loss rate: 5.91%
```

Run 4: Report of PCC-Allegro — Data Link

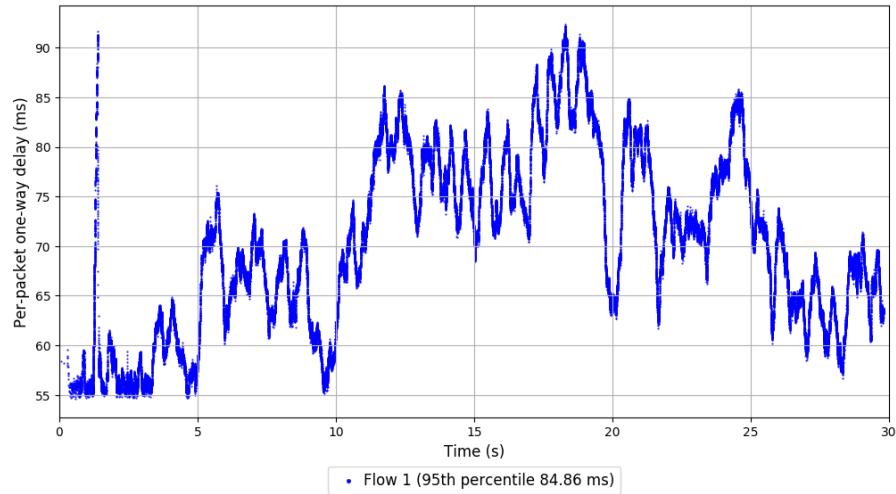
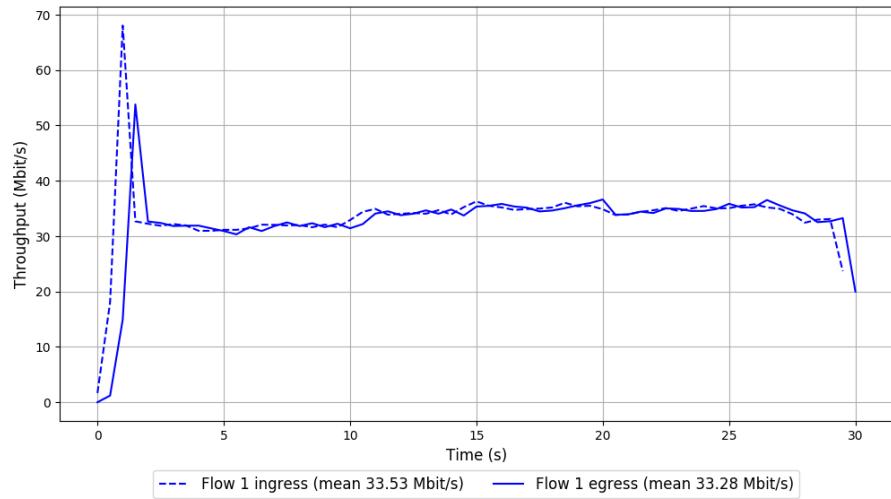


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-21 22:56:16
End at: 2019-01-21 22:56:46
Local clock offset: 6.21 ms
Remote clock offset: 7.651 ms

# Below is generated by plot.py at 2019-01-21 23:14:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 84.865 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 84.865 ms
Loss rate: 1.11%
```

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

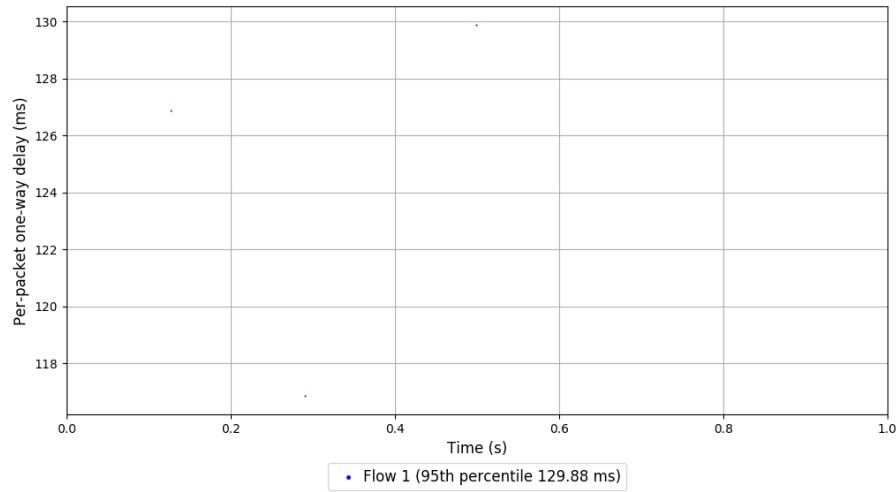
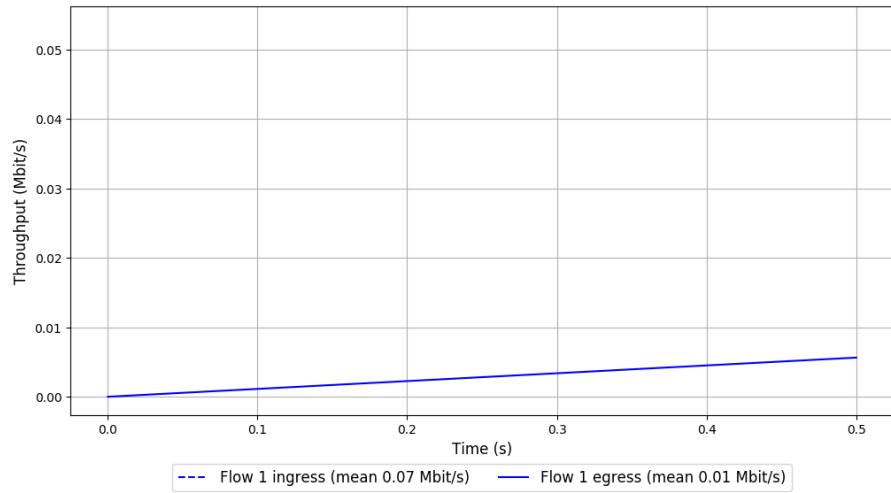
Start at: 2019-01-21 21:21:26

End at: 2019-01-21 21:21:56

Local clock offset: 1.243 ms

Remote clock offset: 7.366 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

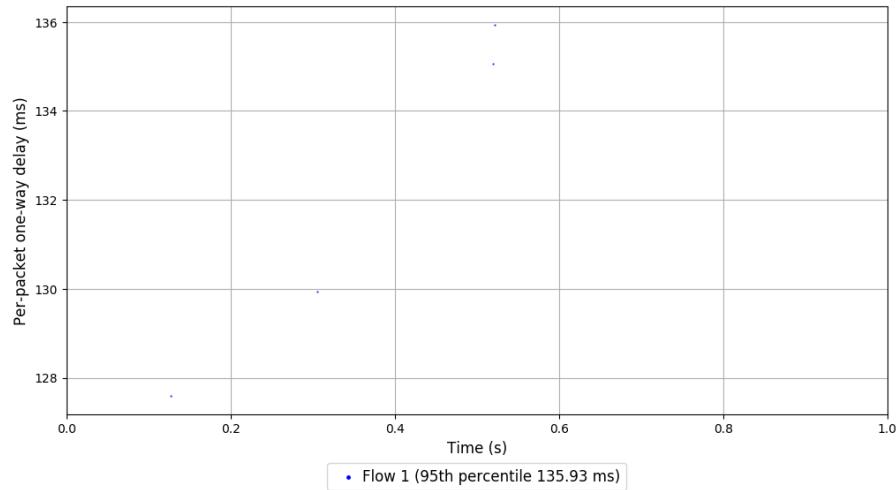
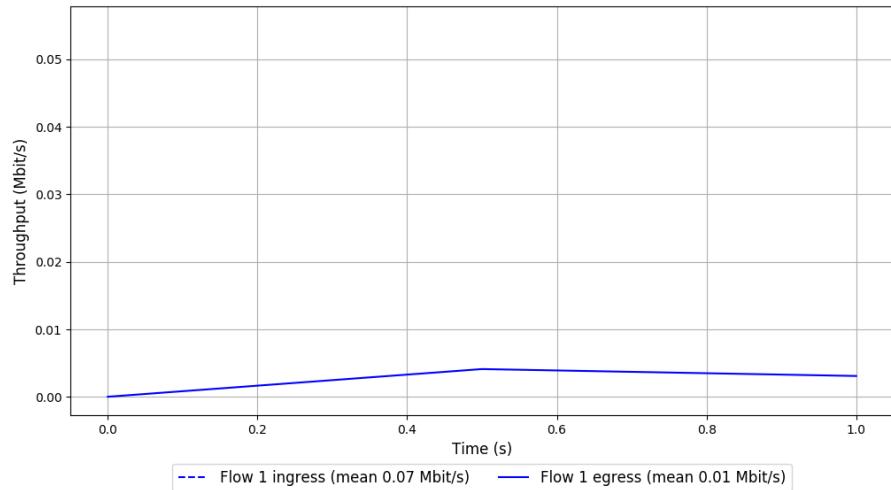
Start at: 2019-01-21 21:47:39

End at: 2019-01-21 21:48:09

Local clock offset: 0.466 ms

Remote clock offset: 7.602 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

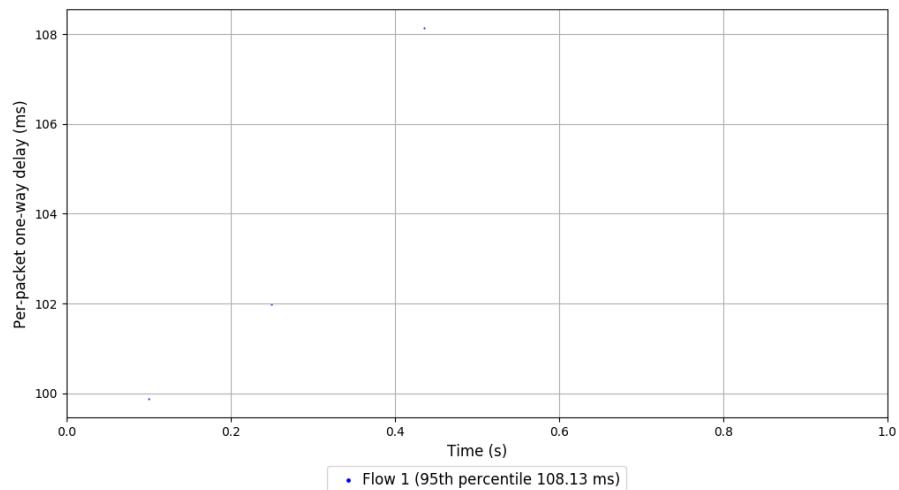
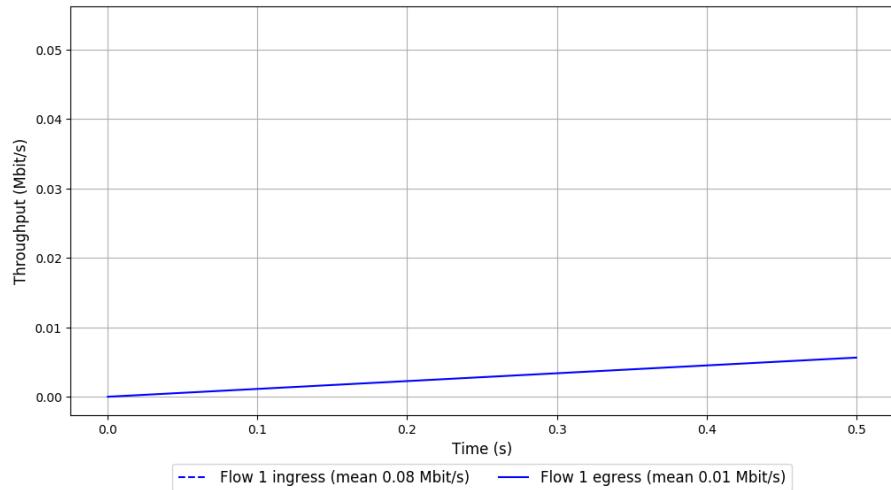
Start at: 2019-01-21 22:12:50

End at: 2019-01-21 22:13:20

Local clock offset: 2.034 ms

Remote clock offset: 8.061 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

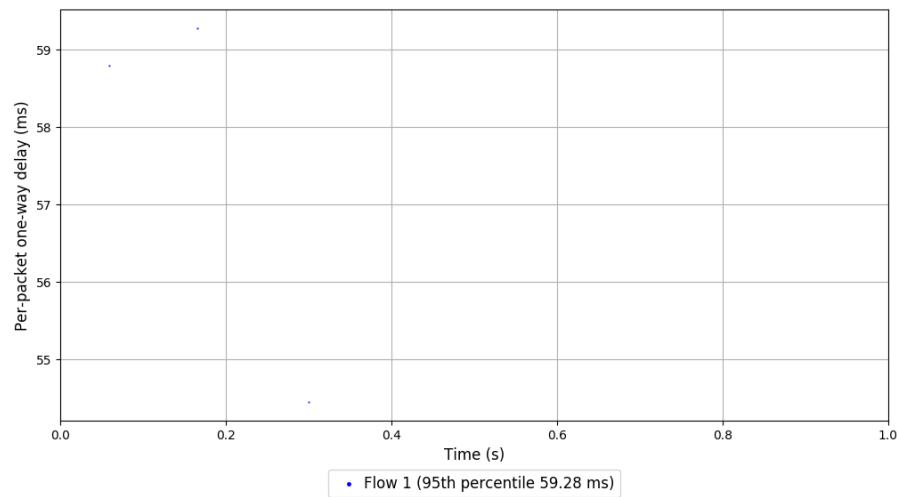
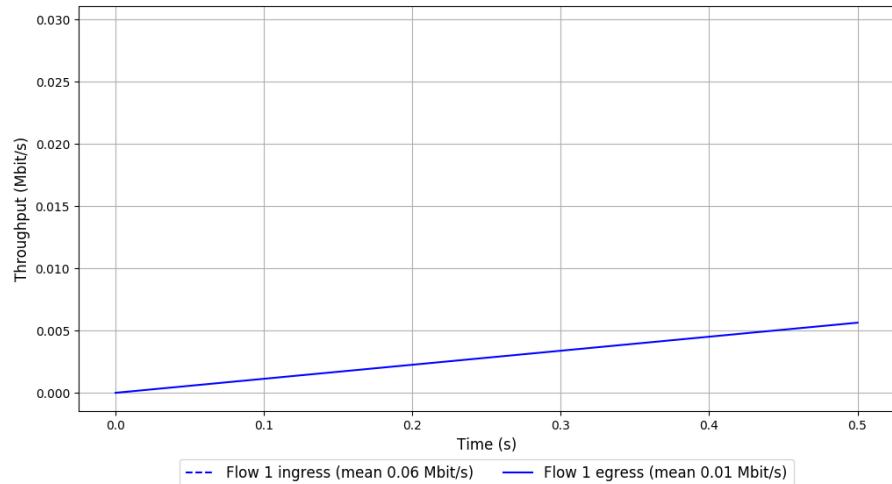
Start at: 2019-01-21 22:37:33

End at: 2019-01-21 22:38:03

Local clock offset: 15.239 ms

Remote clock offset: 7.767 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

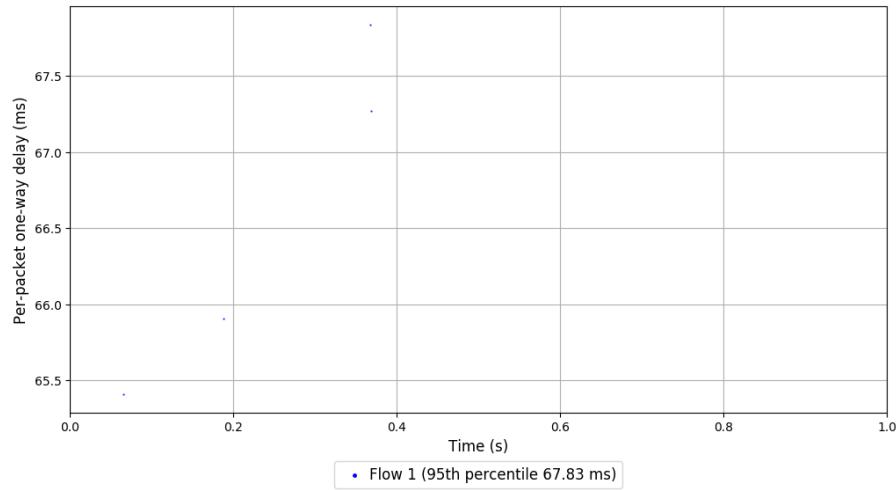
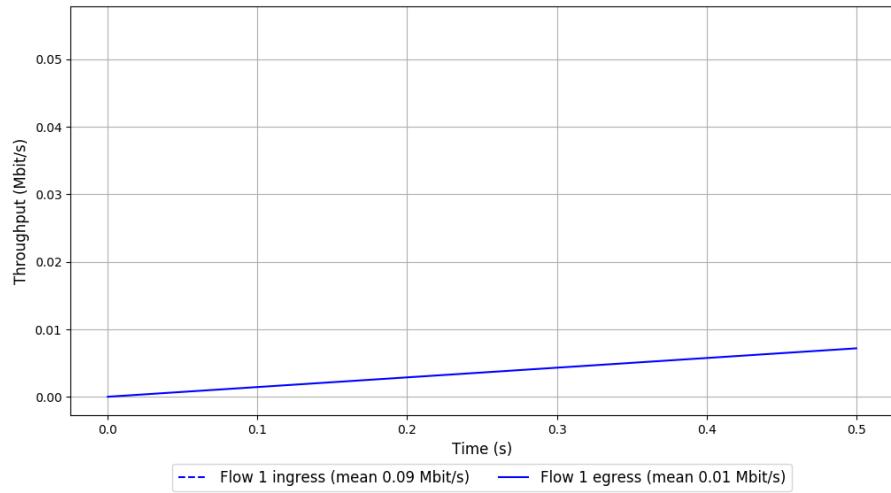
Start at: 2019-01-21 23:02:07

End at: 2019-01-21 23:02:37

Local clock offset: 3.509 ms

Remote clock offset: 7.445 ms

Run 5: Report of PCC-Expr — Data Link

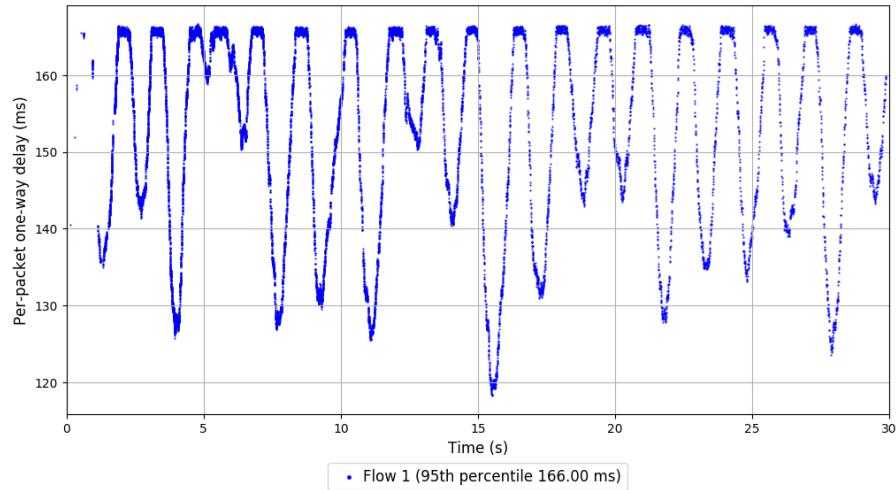
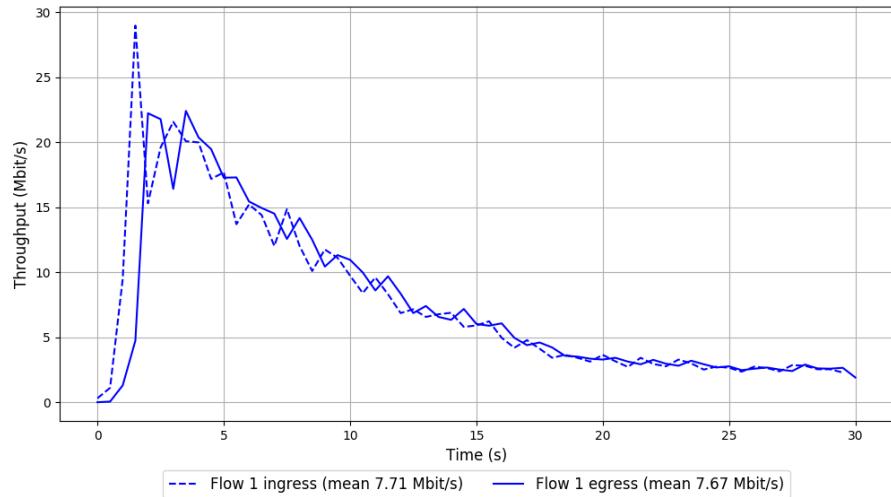


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-01-21 21:06:45
End at: 2019-01-21 21:07:15
Local clock offset: 1.23 ms
Remote clock offset: 7.596 ms

# Below is generated by plot.py at 2019-01-21 23:14:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 166.000 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 166.000 ms
Loss rate: 1.28%
```

Run 1: Report of QUIC Cubic — Data Link

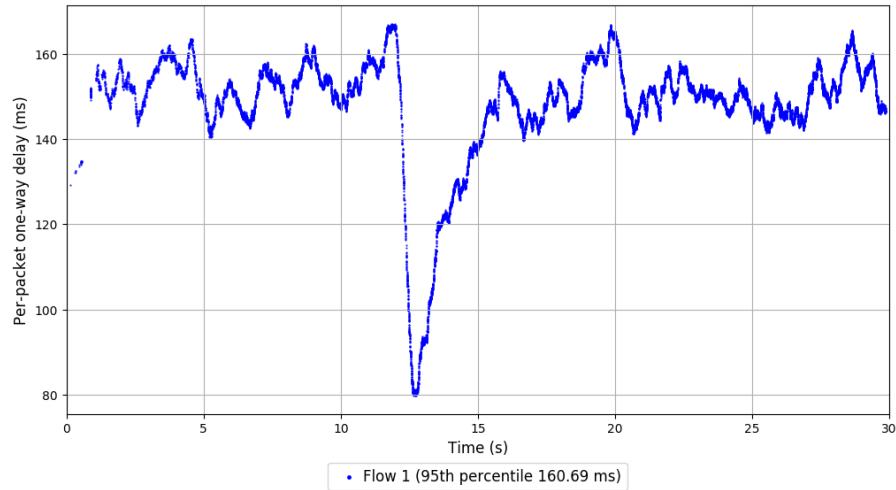
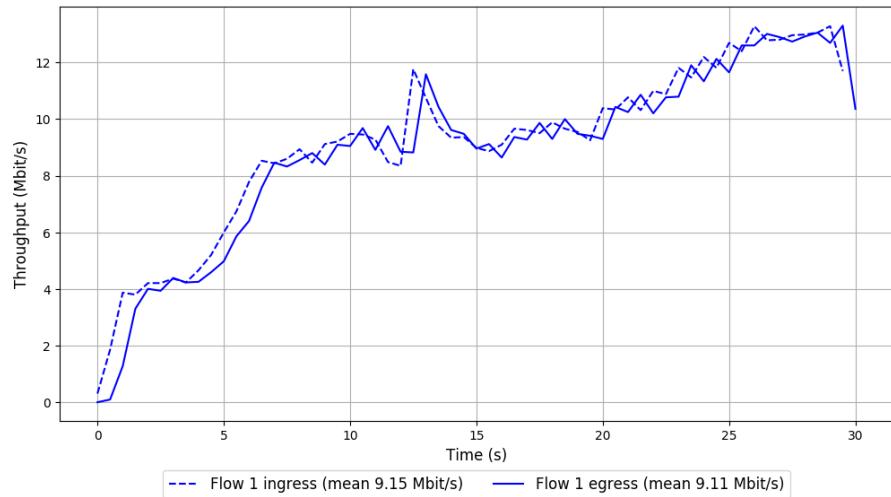


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-21 21:35:19
End at: 2019-01-21 21:35:49
Local clock offset: 0.594 ms
Remote clock offset: 7.024 ms

# Below is generated by plot.py at 2019-01-21 23:14:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 160.693 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 160.693 ms
Loss rate: 1.02%
```

Run 2: Report of QUIC Cubic — Data Link

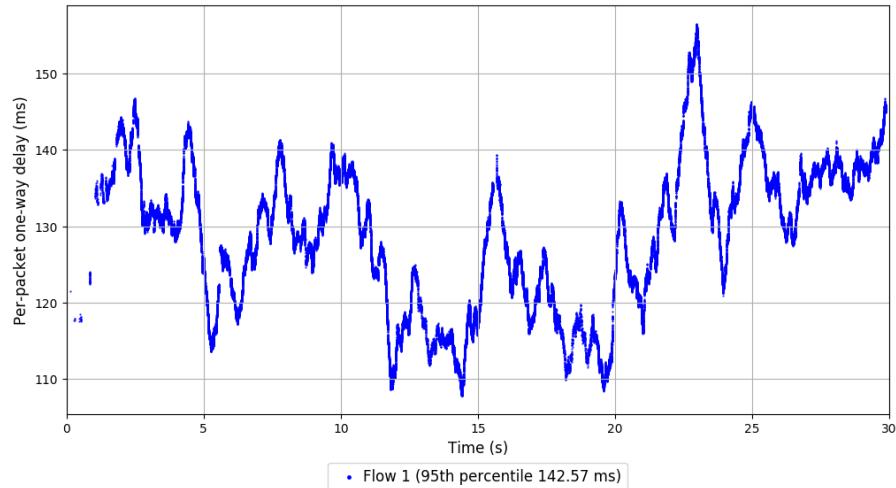
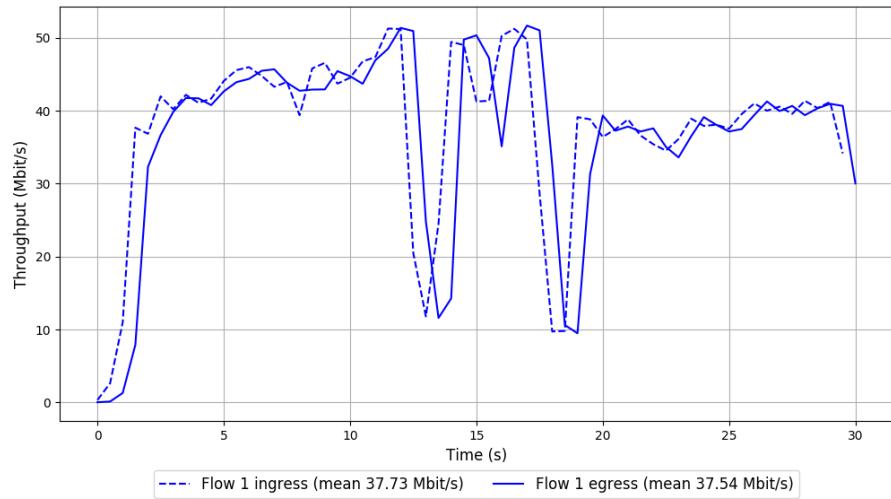


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-21 22:00:47
End at: 2019-01-21 22:01:17
Local clock offset: 1.913 ms
Remote clock offset: 7.299 ms

# Below is generated by plot.py at 2019-01-21 23:14:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 142.570 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 142.570 ms
Loss rate: 1.11%
```

Run 3: Report of QUIC Cubic — Data Link

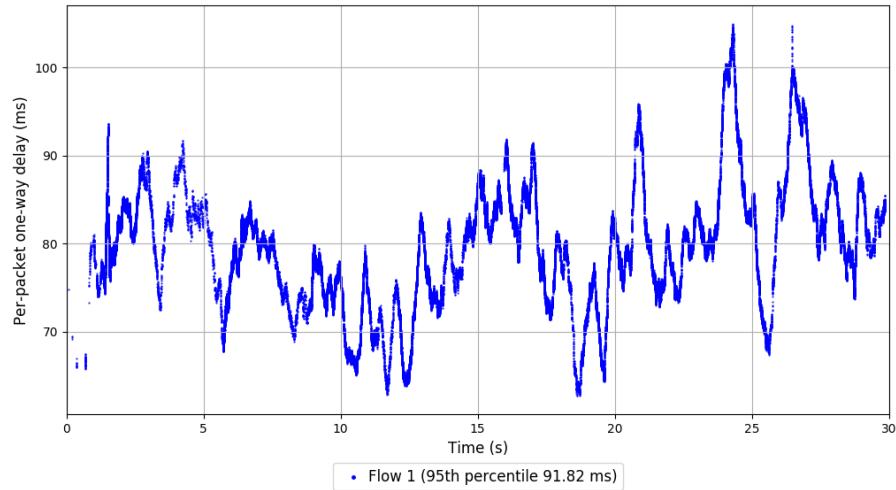
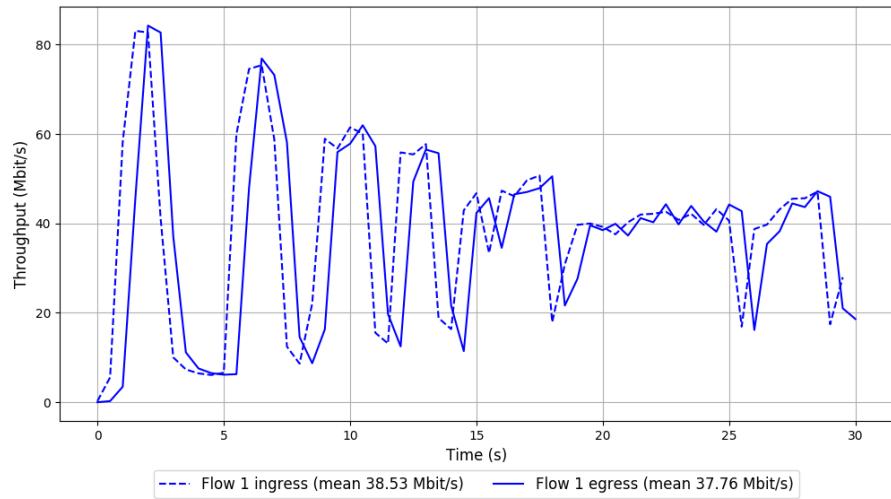


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-21 22:25:47
End at: 2019-01-21 22:26:17
Local clock offset: 10.768 ms
Remote clock offset: 7.391 ms

# Below is generated by plot.py at 2019-01-21 23:14:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 91.823 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 91.823 ms
Loss rate: 2.42%
```

Run 4: Report of QUIC Cubic — Data Link

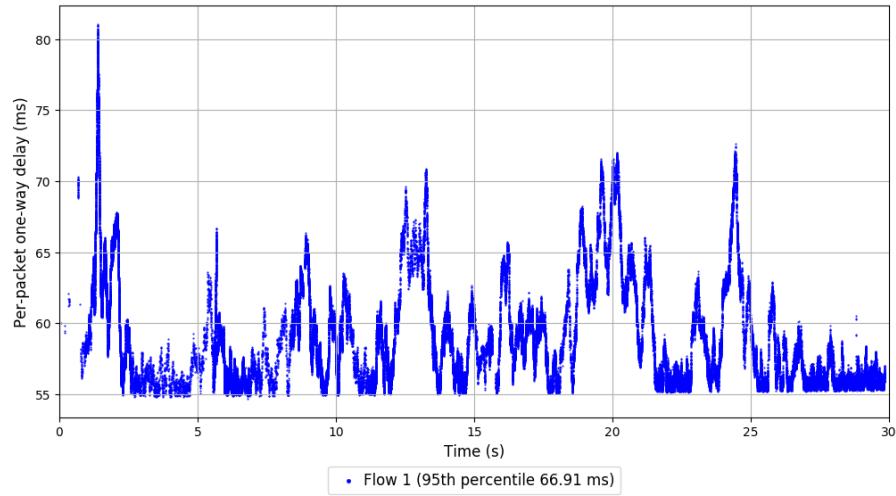
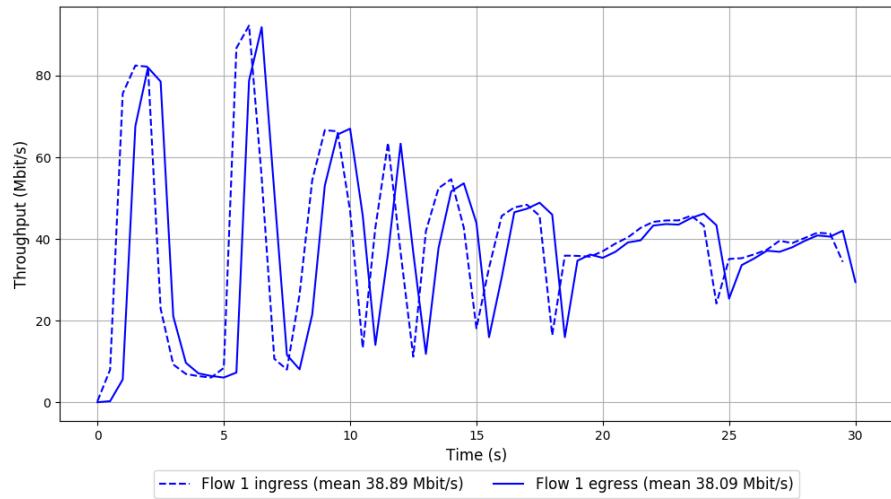


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-21 22:50:21
End at: 2019-01-21 22:50:51
Local clock offset: 10.841 ms
Remote clock offset: 7.635 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 66.906 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 66.906 ms
Loss rate: 2.43%
```

Run 5: Report of QUIC Cubic — Data Link

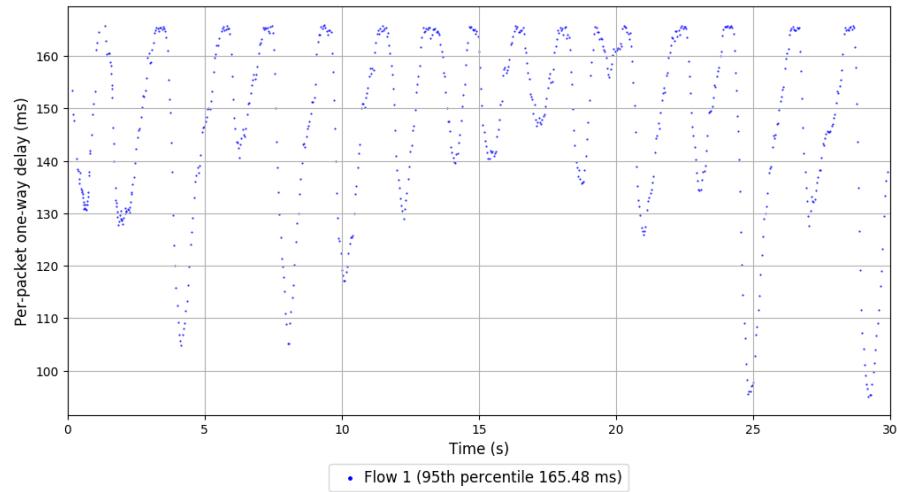
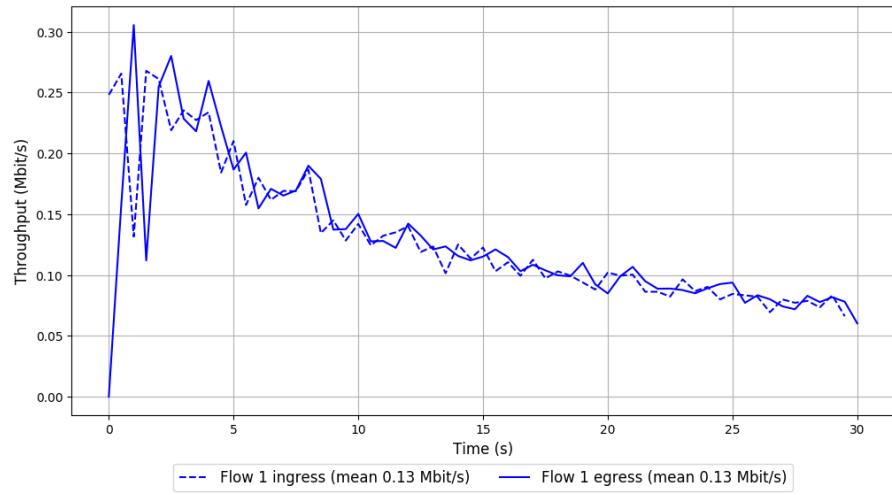


```
Run 1: Statistics of SCReAM

Start at: 2019-01-21 21:17:22
End at: 2019-01-21 21:17:52
Local clock offset: 0.932 ms
Remote clock offset: 8.211 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 165.478 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 165.478 ms
Loss rate: 0.49%
```

Run 1: Report of SCReAM — Data Link

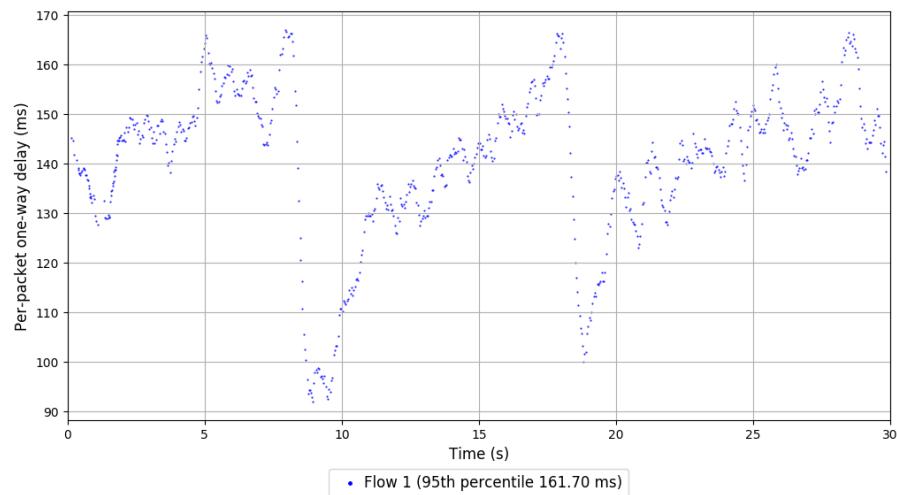
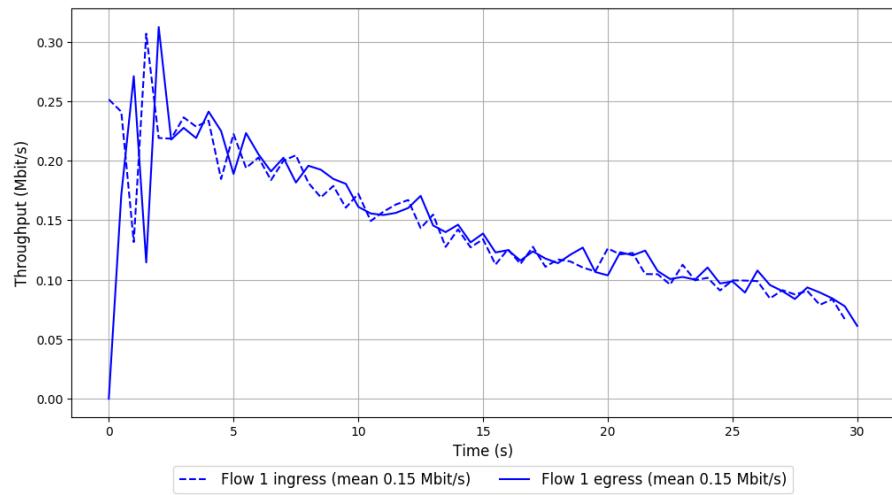


Run 2: Statistics of SCReAM

```
Start at: 2019-01-21 21:43:54
End at: 2019-01-21 21:44:24
Local clock offset: 0.474 ms
Remote clock offset: 7.453 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 161.699 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 161.699 ms
Loss rate: 0.54%
```

Run 2: Report of SCReAM — Data Link

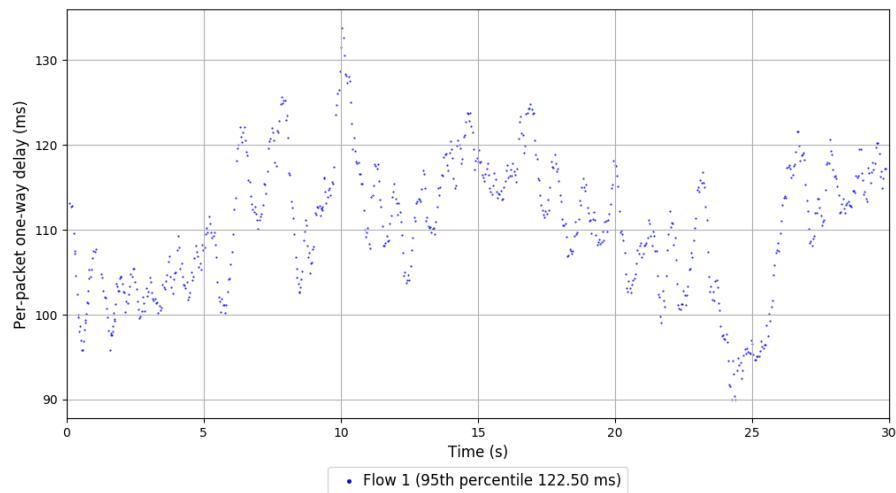
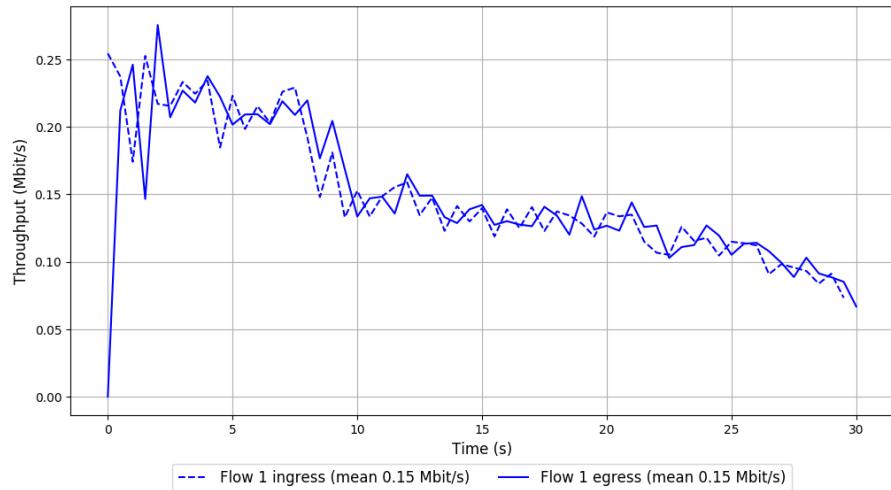


Run 3: Statistics of SCReAM

```
Start at: 2019-01-21 22:09:17
End at: 2019-01-21 22:09:47
Local clock offset: 2.006 ms
Remote clock offset: 7.622 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 122.498 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 122.498 ms
Loss rate: 0.29%
```

Run 3: Report of SCReAM — Data Link

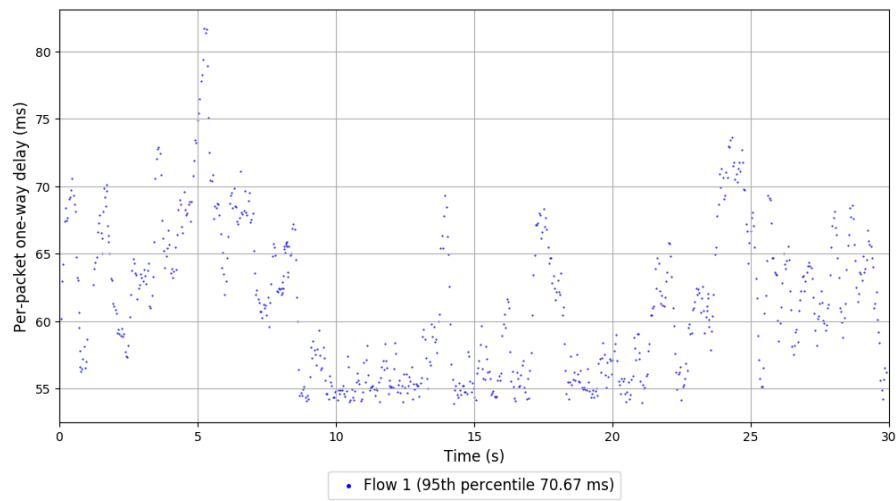
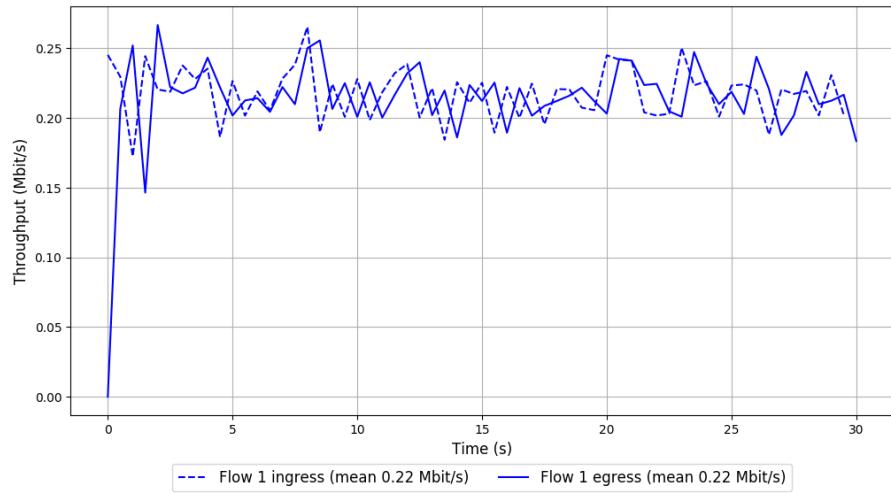


Run 4: Statistics of SCReAM

```
Start at: 2019-01-21 22:34:03
End at: 2019-01-21 22:34:33
Local clock offset: 14.354 ms
Remote clock offset: 7.566 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 70.674 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 70.674 ms
Loss rate: 0.39%
```

Run 4: Report of SCReAM — Data Link

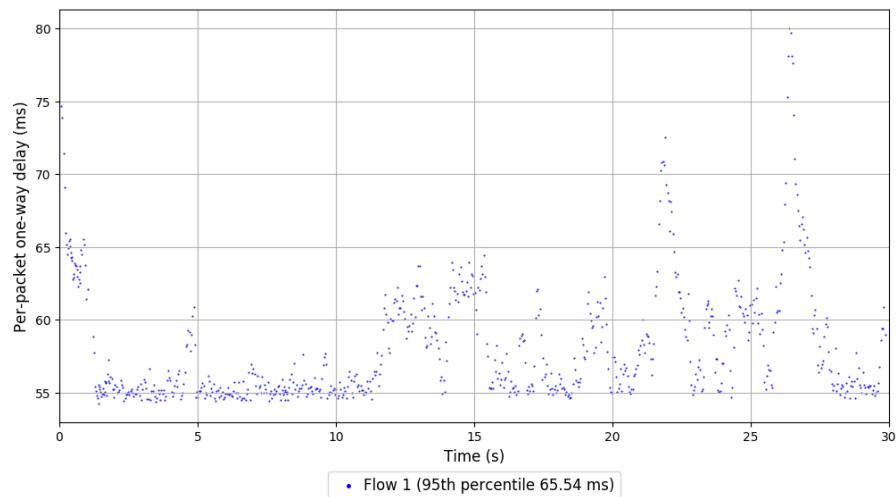
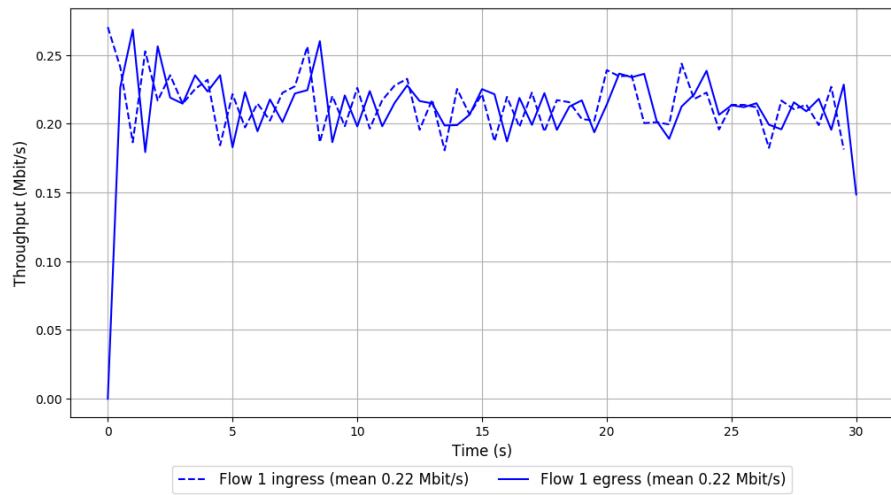


Run 5: Statistics of SCReAM

```
Start at: 2019-01-21 22:58:37
End at: 2019-01-21 22:59:07
Local clock offset: 4.814 ms
Remote clock offset: 7.664 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.543 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.543 ms
Loss rate: 0.38%
```

Run 5: Report of SCReAM — Data Link

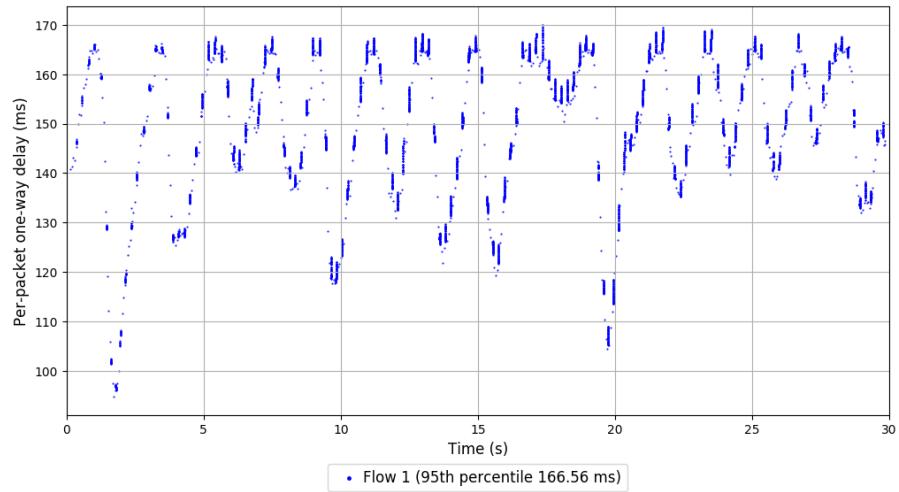
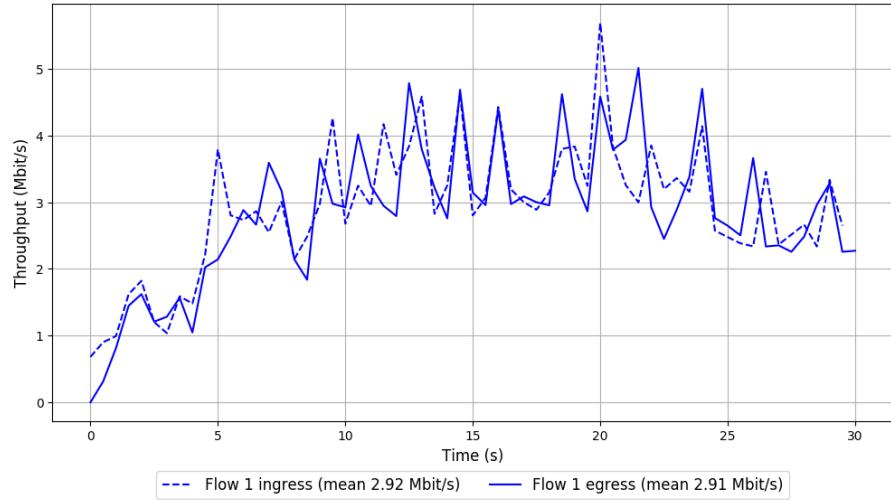


Run 1: Statistics of Sprout

```
Start at: 2019-01-21 21:22:35
End at: 2019-01-21 21:23:06
Local clock offset: 1.221 ms
Remote clock offset: 8.211 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 166.557 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 166.557 ms
Loss rate: 1.08%
```

Run 1: Report of Sprout — Data Link

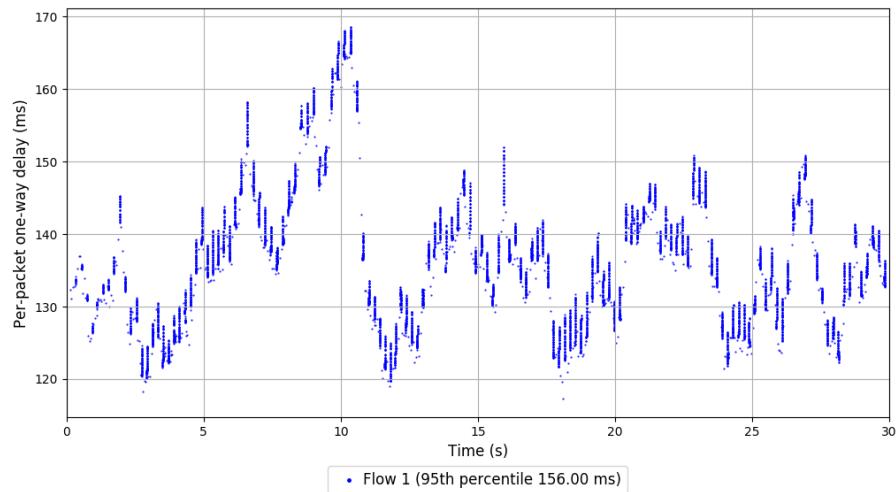
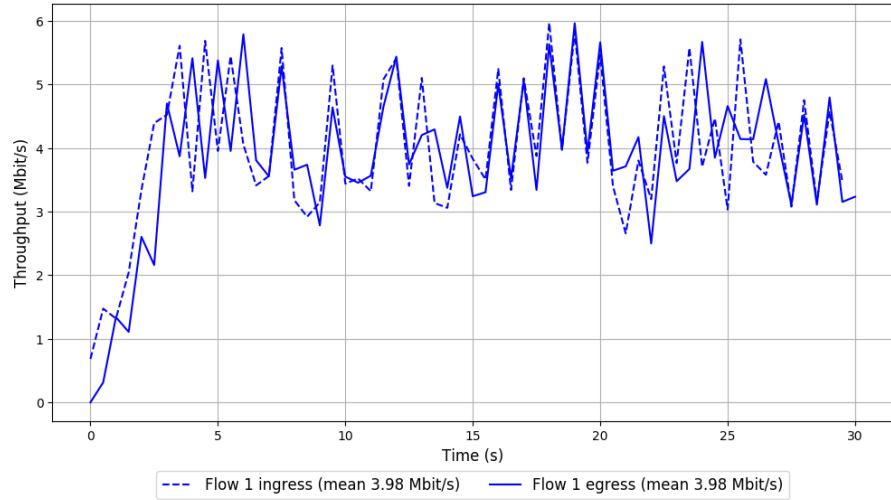


Run 2: Statistics of Sprout

```
Start at: 2019-01-21 21:48:48
End at: 2019-01-21 21:49:18
Local clock offset: 0.802 ms
Remote clock offset: 7.554 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 156.003 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 156.003 ms
Loss rate: 0.70%
```

Run 2: Report of Sprout — Data Link

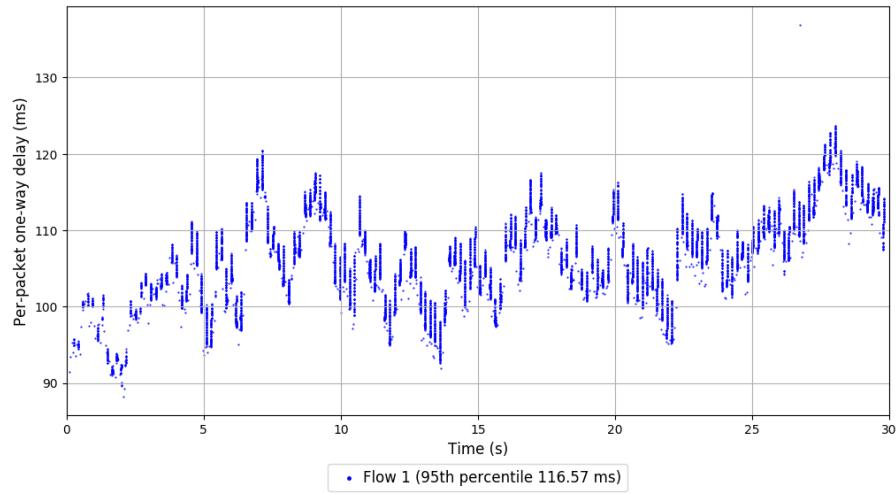
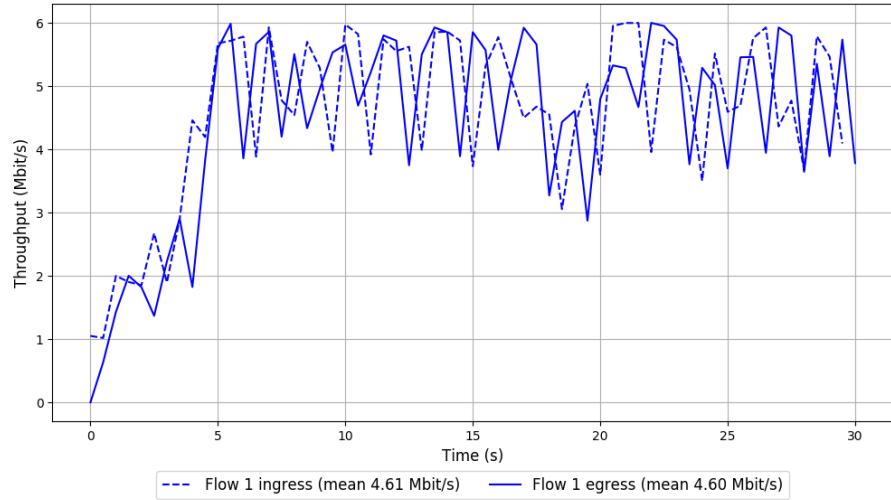


Run 3: Statistics of Sprout

```
Start at: 2019-01-21 22:13:59
End at: 2019-01-21 22:14:29
Local clock offset: 1.978 ms
Remote clock offset: 7.501 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 116.571 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 116.571 ms
Loss rate: 0.70%
```

Run 3: Report of Sprout — Data Link

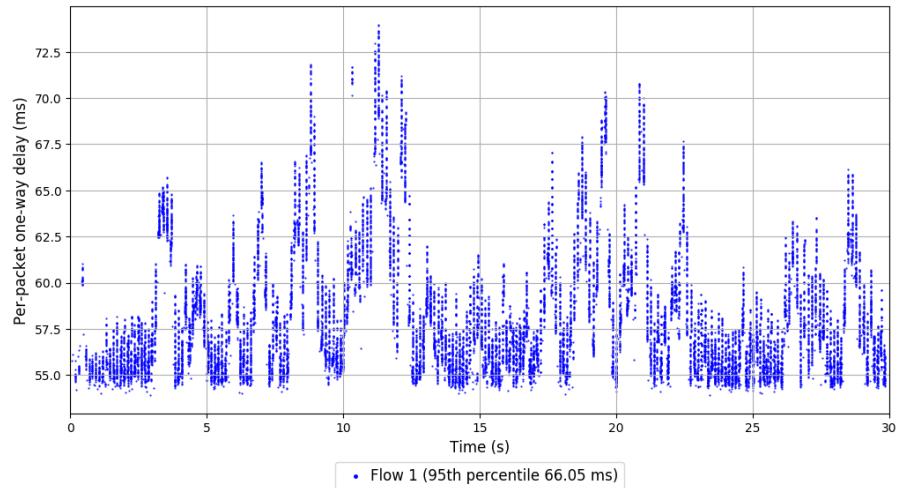
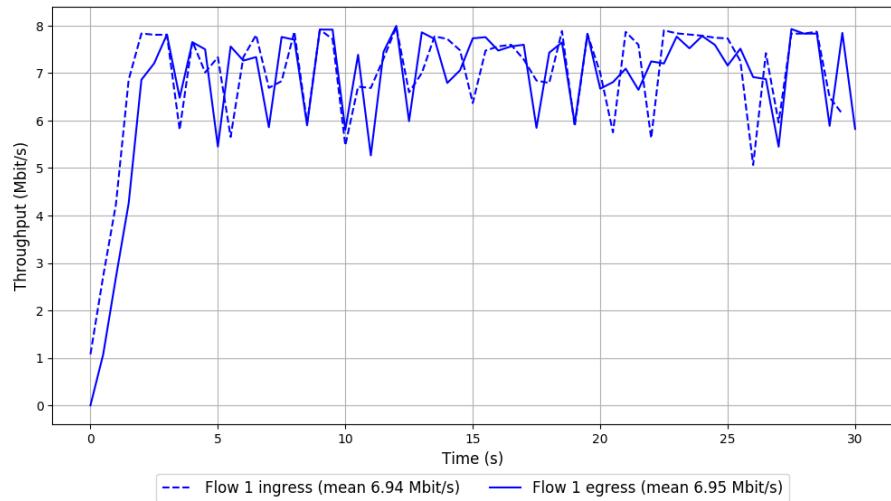


Run 4: Statistics of Sprout

```
Start at: 2019-01-21 22:38:41
End at: 2019-01-21 22:39:11
Local clock offset: 15.57 ms
Remote clock offset: 7.513 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 66.047 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 66.047 ms
Loss rate: 0.23%
```

Run 4: Report of Sprout — Data Link

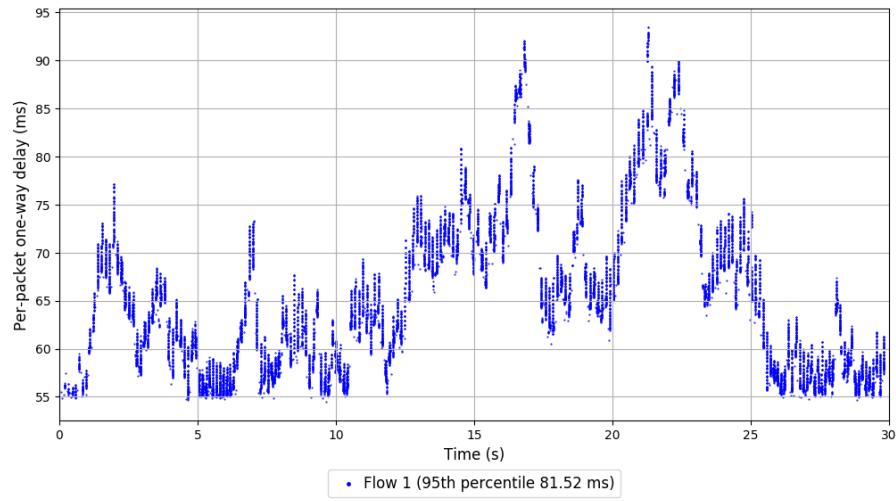
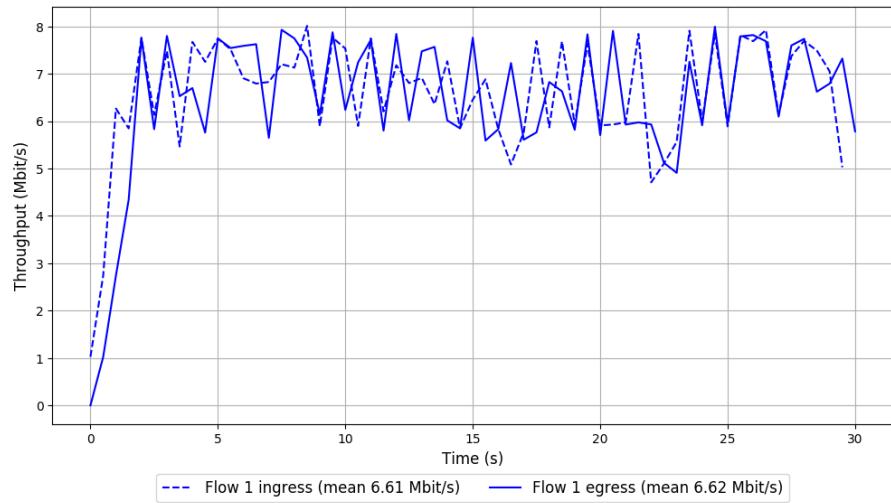


Run 5: Statistics of Sprout

```
Start at: 2019-01-21 23:03:15
End at: 2019-01-21 23:03:45
Local clock offset: 3.065 ms
Remote clock offset: 7.613 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 81.516 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 81.516 ms
Loss rate: 0.19%
```

Run 5: Report of Sprout — Data Link

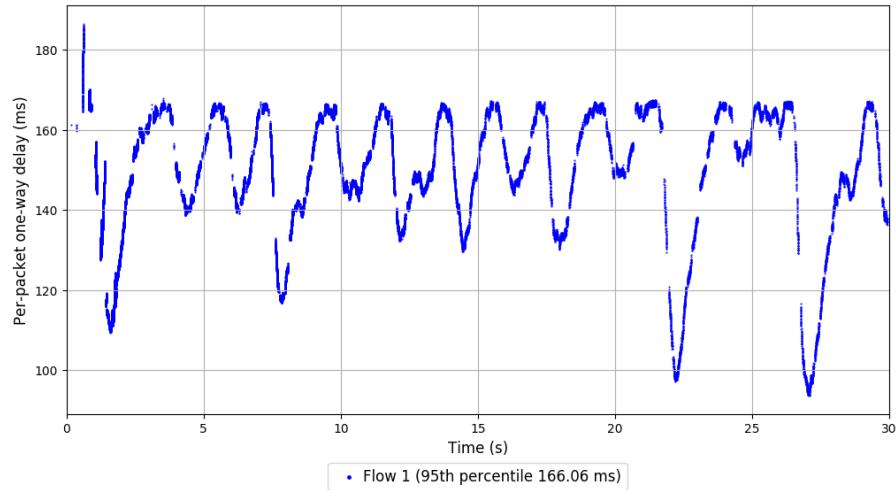
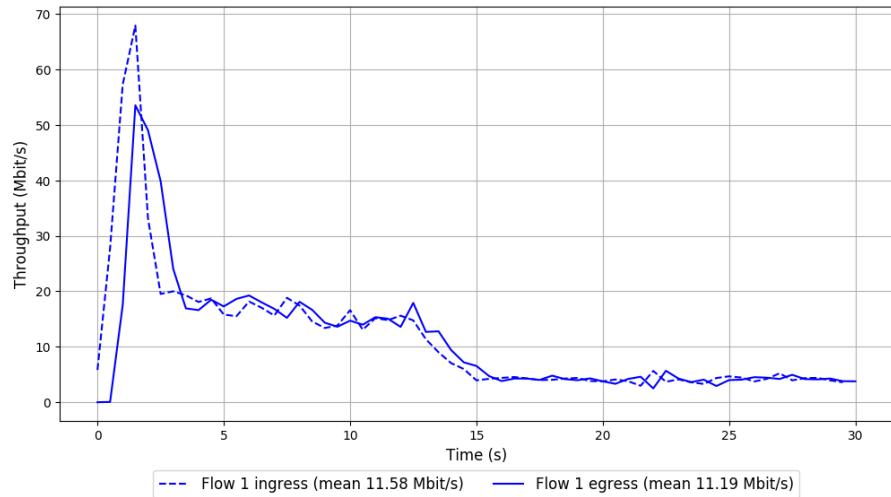


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-01-21 21:23:48
End at: 2019-01-21 21:24:18
Local clock offset: 1.171 ms
Remote clock offset: 7.304 ms

# Below is generated by plot.py at 2019-01-21 23:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 166.062 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 166.062 ms
Loss rate: 4.06%
```

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

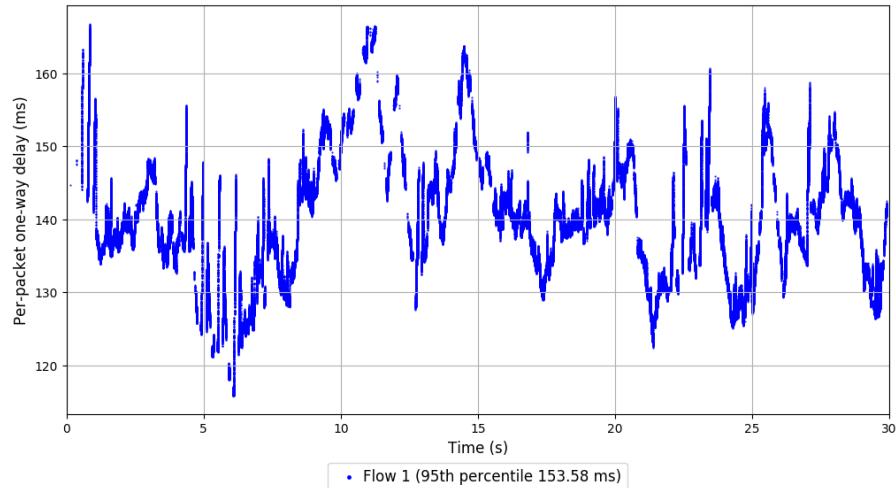
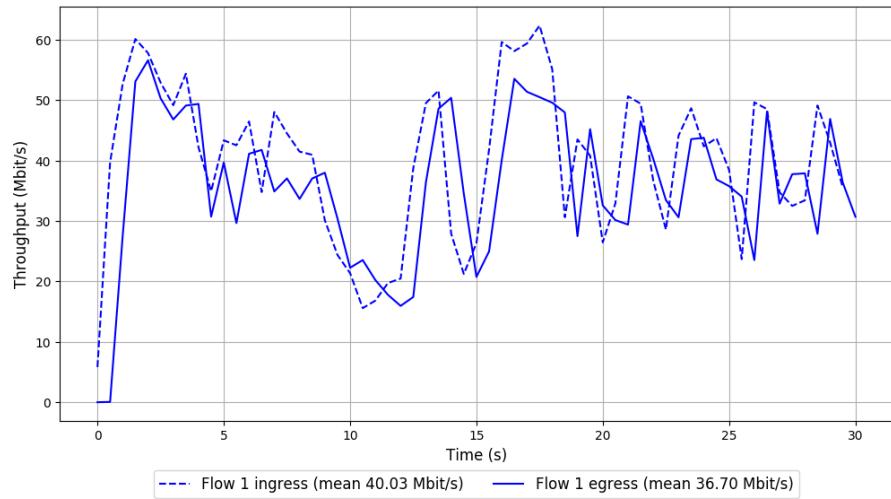


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-01-21 21:50:00
End at: 2019-01-21 21:50:30
Local clock offset: 0.968 ms
Remote clock offset: 7.329 ms

# Below is generated by plot.py at 2019-01-21 23:15:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 153.577 ms
Loss rate: 8.95%
-- Flow 1:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 153.577 ms
Loss rate: 8.95%
```

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

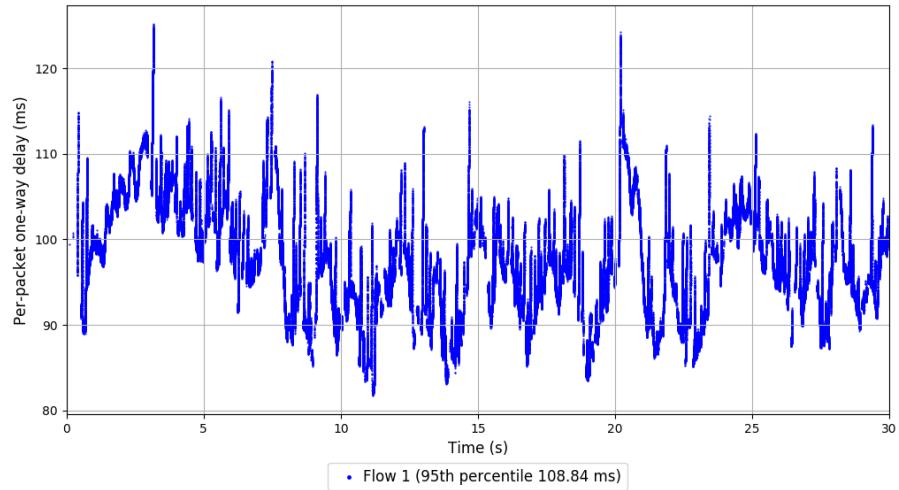
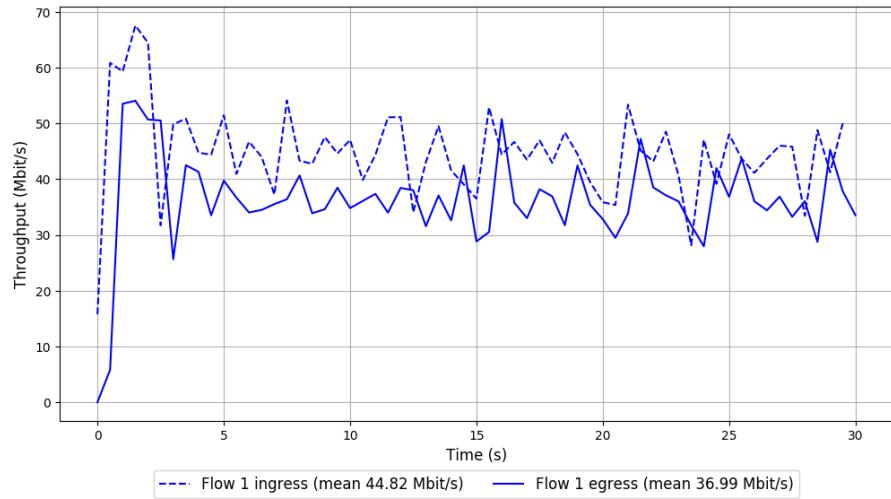


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-01-21 22:15:10
End at: 2019-01-21 22:15:40
Local clock offset: 1.769 ms
Remote clock offset: 7.895 ms

# Below is generated by plot.py at 2019-01-21 23:15:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 108.839 ms
Loss rate: 17.86%
-- Flow 1:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 108.839 ms
Loss rate: 17.86%
```

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

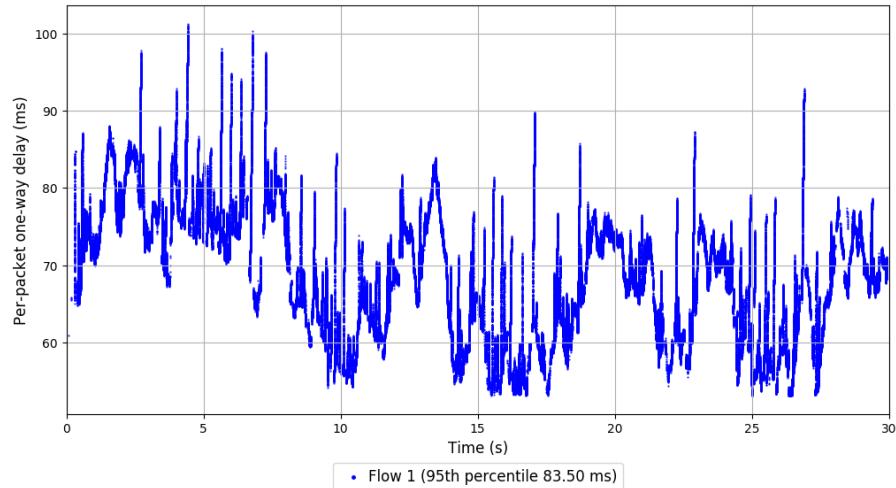
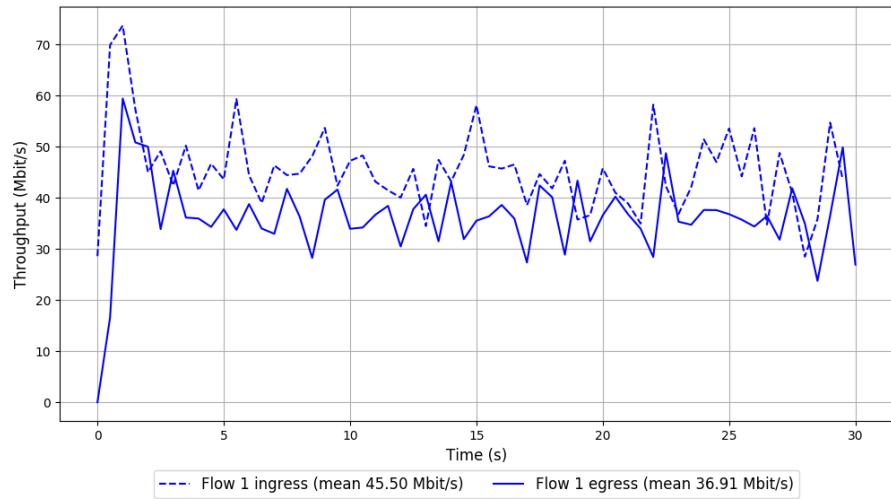


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-01-21 22:39:50
End at: 2019-01-21 22:40:20
Local clock offset: 15.593 ms
Remote clock offset: 8.577 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 83.500 ms
Loss rate: 19.18%
-- Flow 1:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 83.500 ms
Loss rate: 19.18%
```

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

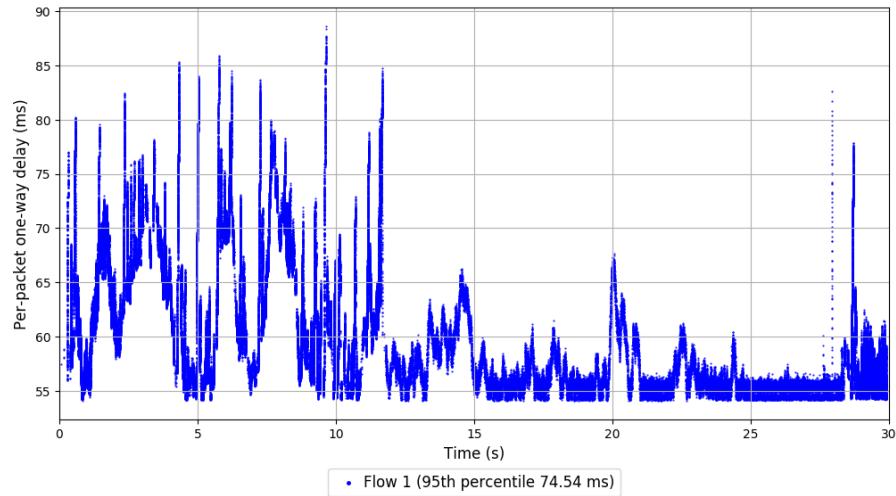
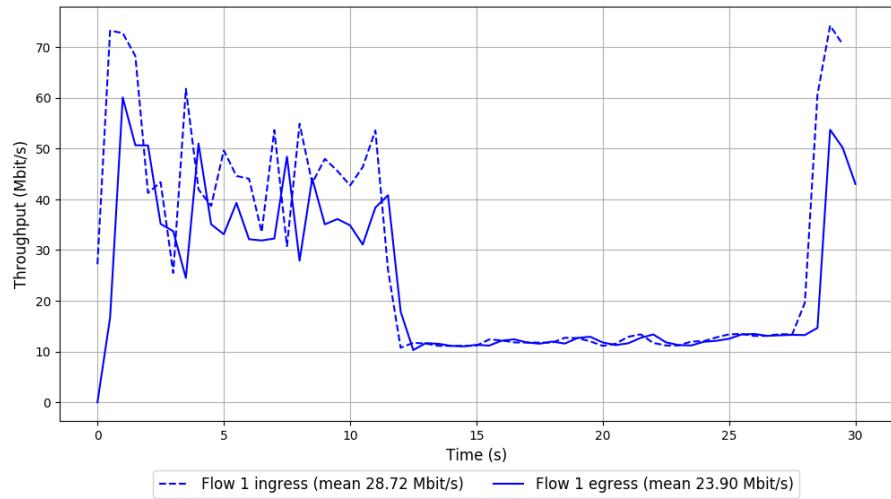


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-01-21 23:04:24
End at: 2019-01-21 23:04:54
Local clock offset: 2.71 ms
Remote clock offset: 7.18 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 74.542 ms
Loss rate: 17.09%
-- Flow 1:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 74.542 ms
Loss rate: 17.09%
```

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

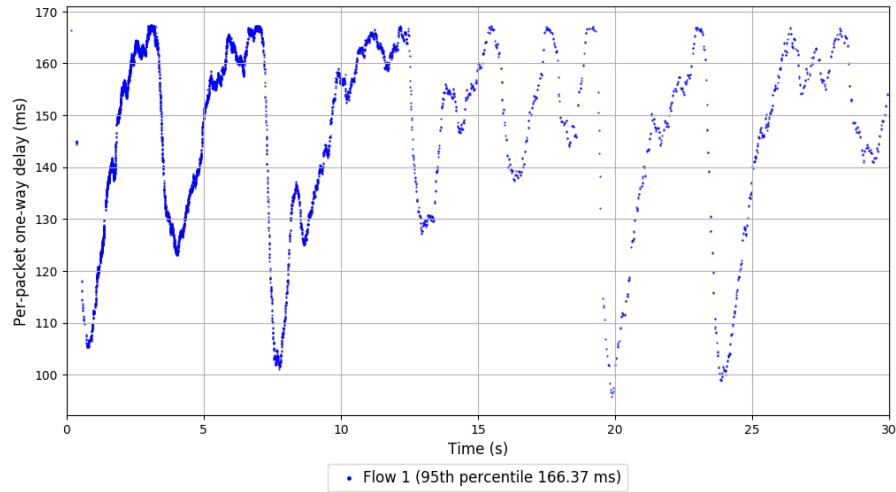
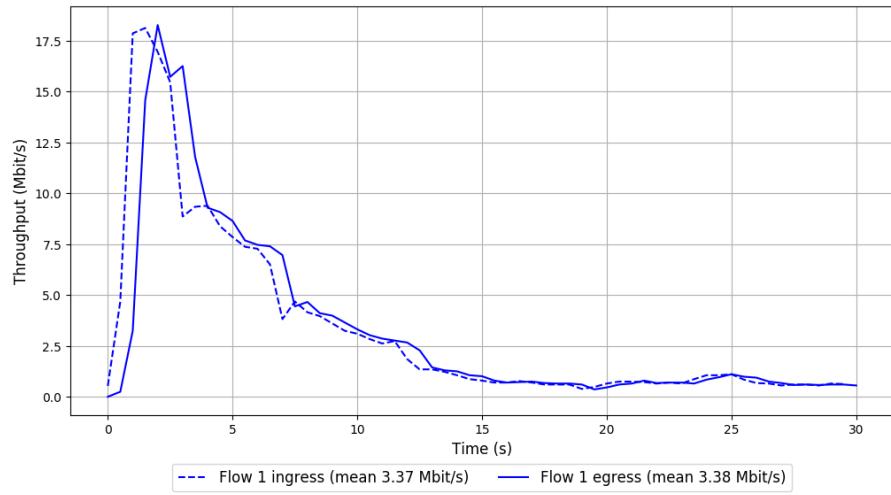


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-21 21:30:25
End at: 2019-01-21 21:30:55
Local clock offset: 1.019 ms
Remote clock offset: 7.124 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 166.365 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 166.365 ms
Loss rate: 0.37%
```

Run 1: Report of TCP Vegas — Data Link

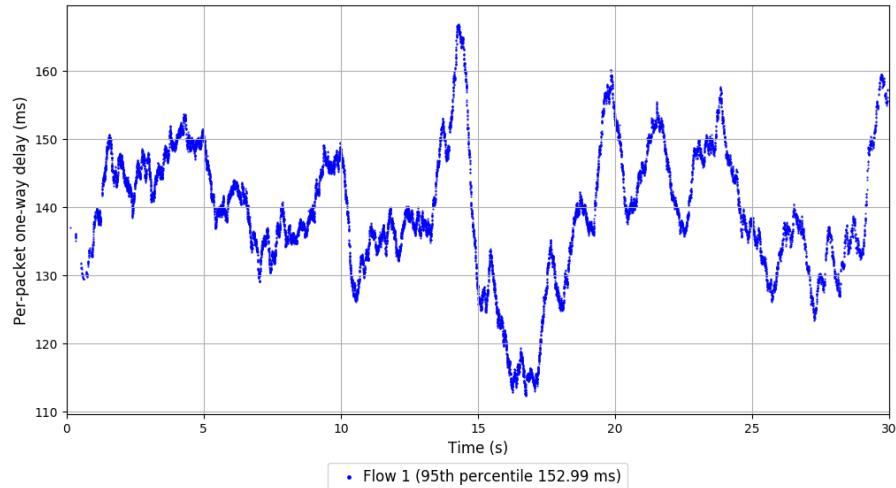
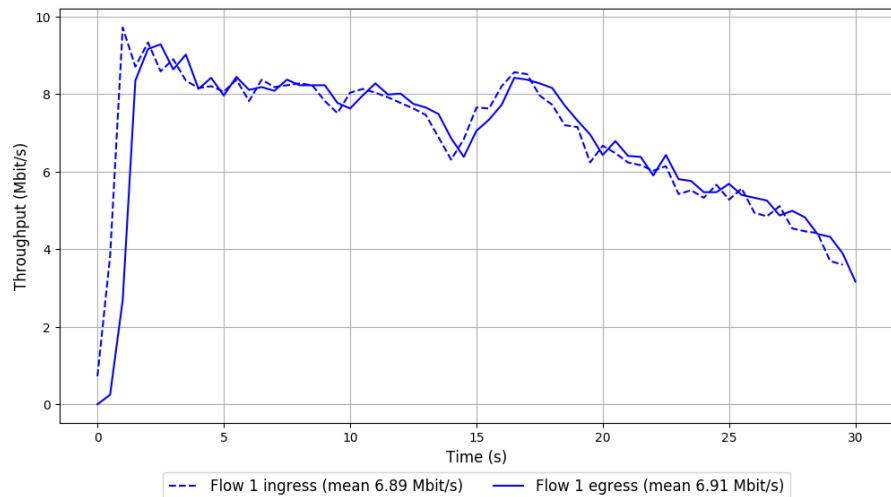


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-21 21:56:01
End at: 2019-01-21 21:56:31
Local clock offset: 1.625 ms
Remote clock offset: 7.339 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 152.991 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 152.991 ms
Loss rate: 0.36%
```

Run 2: Report of TCP Vegas — Data Link

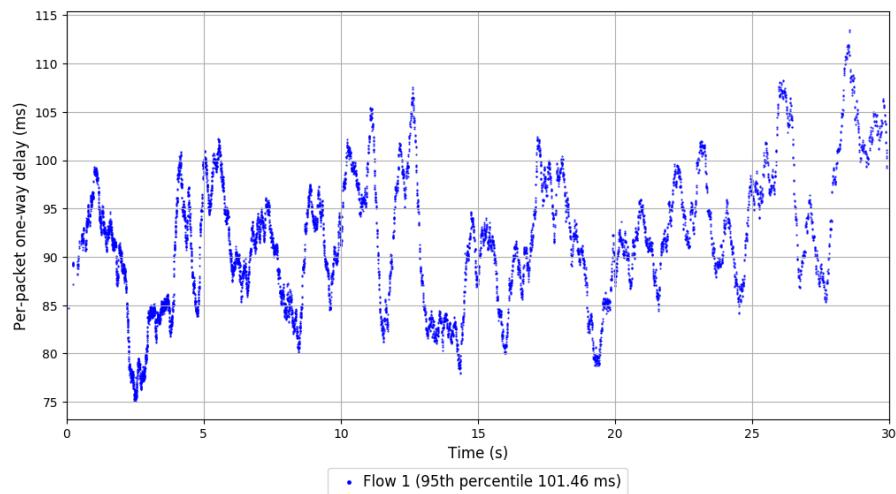
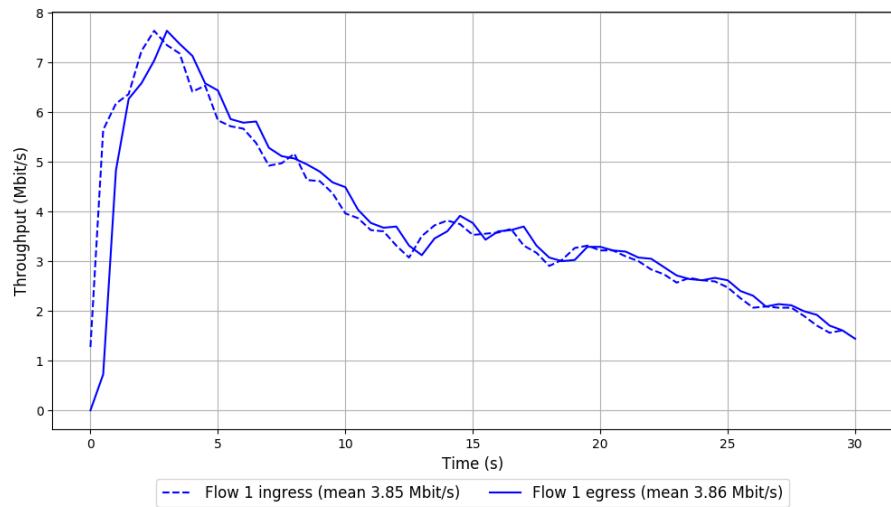


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-21 22:21:04
End at: 2019-01-21 22:21:34
Local clock offset: 7.442 ms
Remote clock offset: 8.771 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 101.462 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 101.462 ms
Loss rate: 0.22%
```

Run 3: Report of TCP Vegas — Data Link

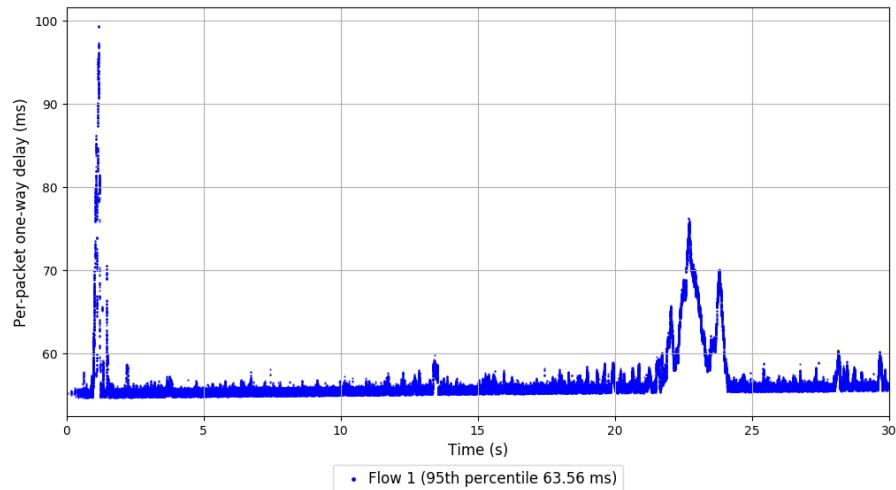
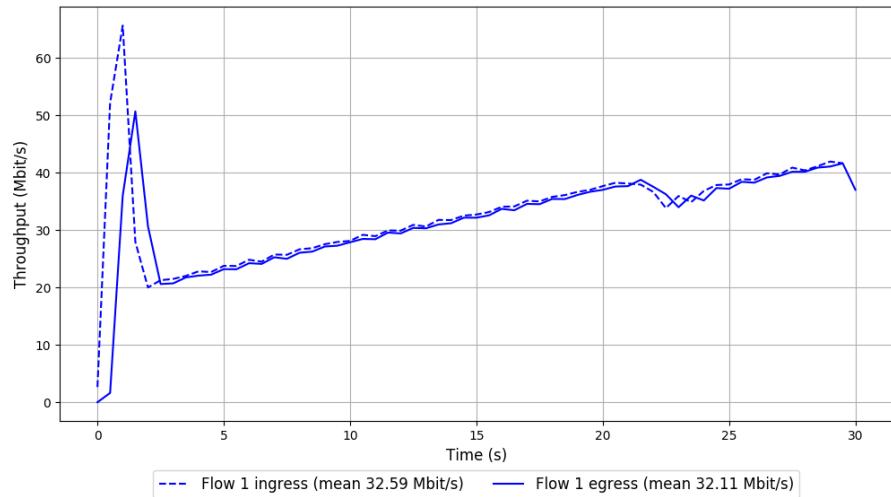


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-21 22:45:41
End at: 2019-01-21 22:46:11
Local clock offset: 16.951 ms
Remote clock offset: 7.784 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 63.565 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 63.565 ms
Loss rate: 1.85%
```

Run 4: Report of TCP Vegas — Data Link

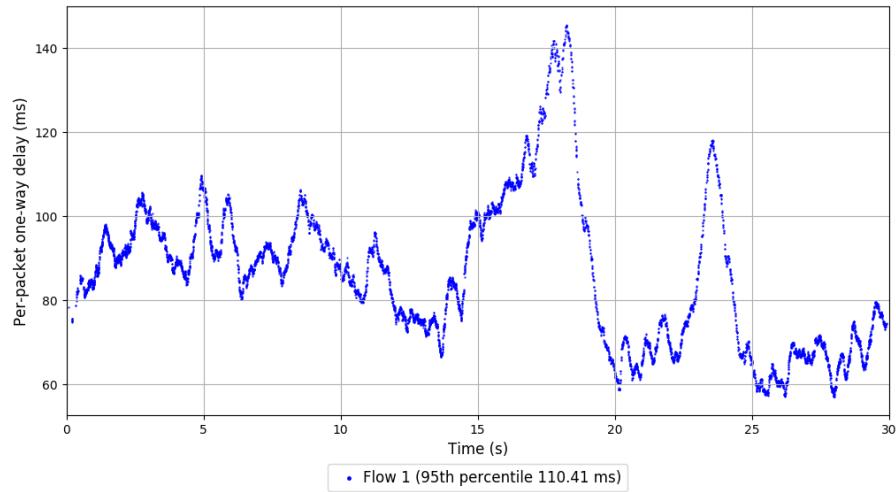
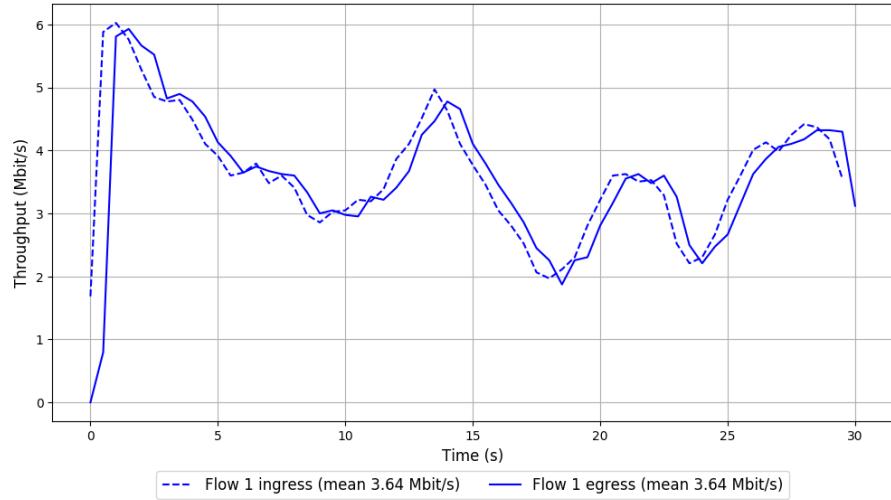


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-21 23:10:15
End at: 2019-01-21 23:10:45
Local clock offset: 1.354 ms
Remote clock offset: 7.245 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 110.410 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 110.410 ms
Loss rate: 0.46%
```

Run 5: Report of TCP Vegas — Data Link

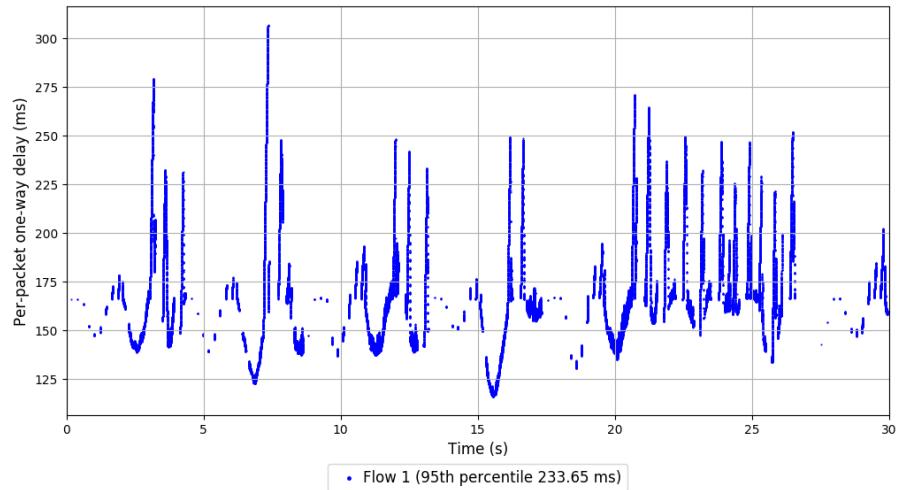
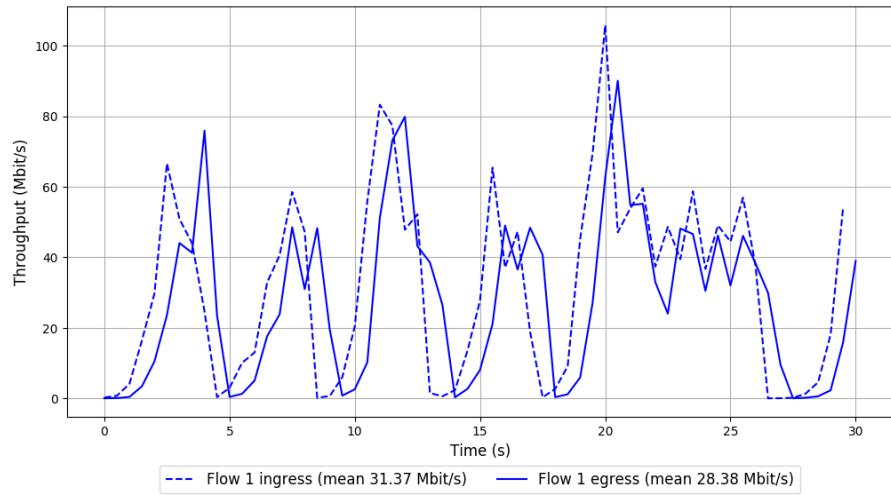


Run 1: Statistics of Verus

```
Start at: 2019-01-21 21:05:05
End at: 2019-01-21 21:05:35
Local clock offset: 1.333 ms
Remote clock offset: 7.702 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 233.649 ms
Loss rate: 10.17%
-- Flow 1:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 233.649 ms
Loss rate: 10.17%
```

Run 1: Report of Verus — Data Link

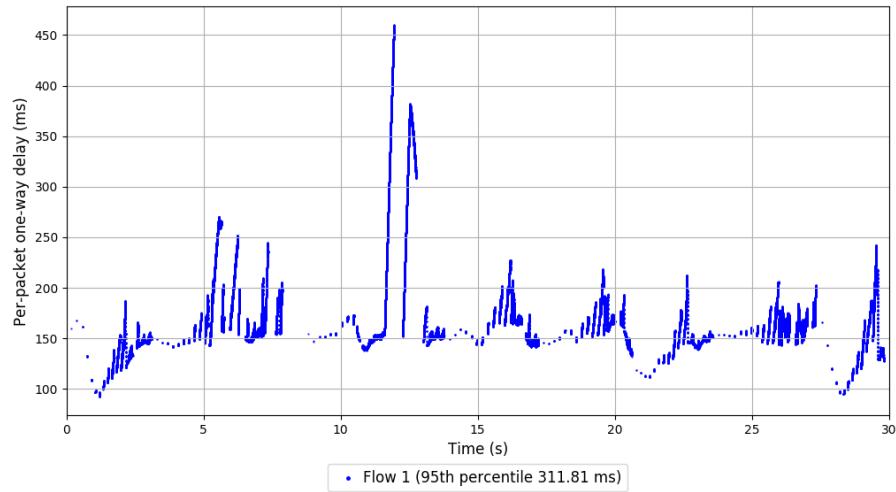
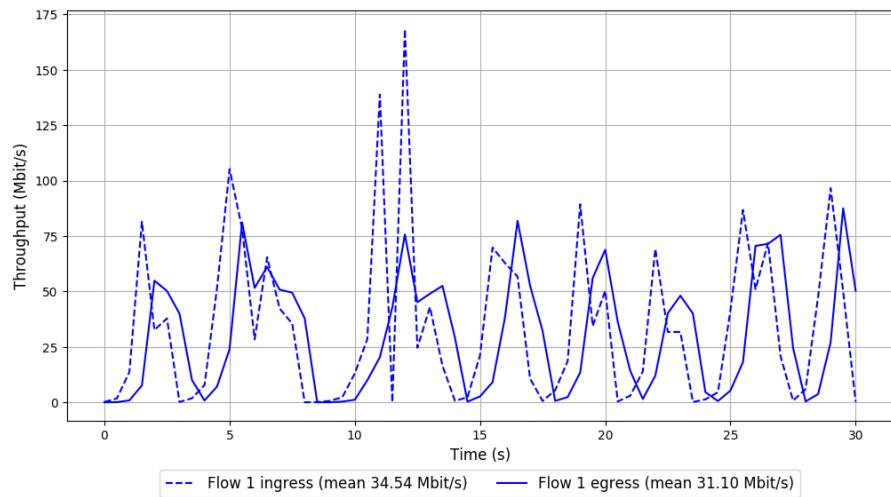


Run 2: Statistics of Verus

```
Start at: 2019-01-21 21:34:01
End at: 2019-01-21 21:34:31
Local clock offset: 0.642 ms
Remote clock offset: 7.294 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 311.810 ms
Loss rate: 10.99%
-- Flow 1:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 311.810 ms
Loss rate: 10.99%
```

Run 2: Report of Verus — Data Link

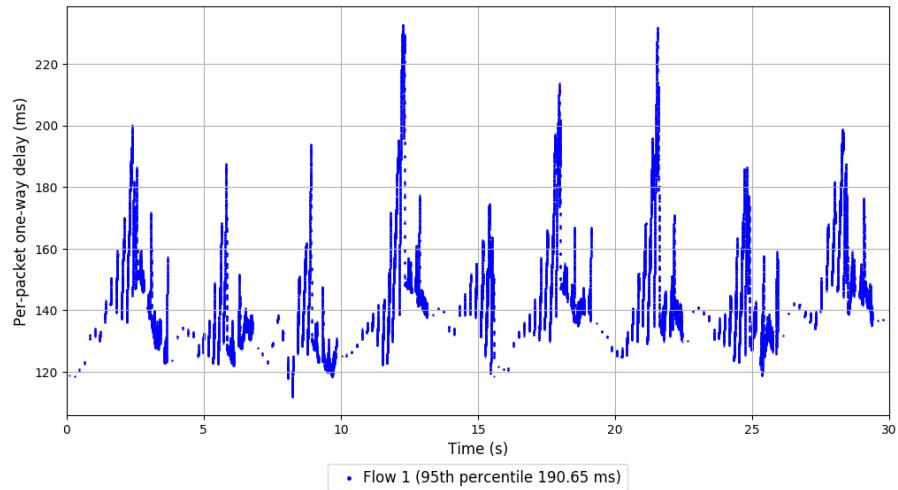
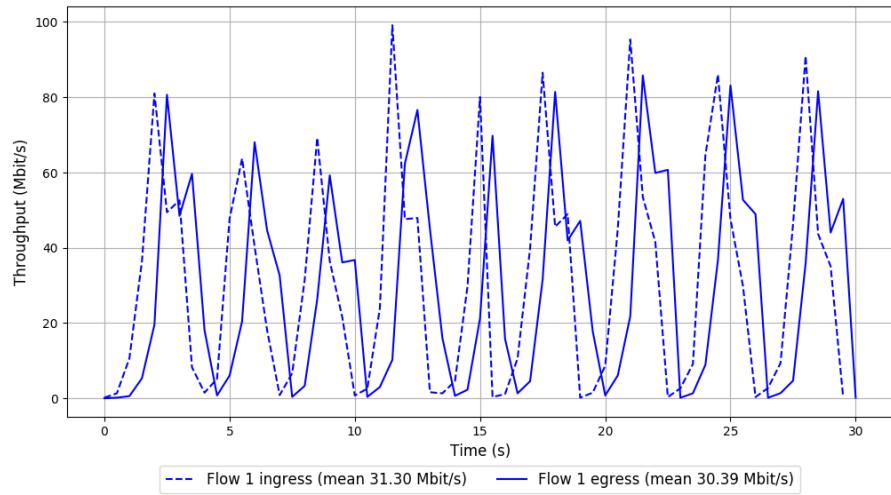


Run 3: Statistics of Verus

```
Start at: 2019-01-21 21:59:34
End at: 2019-01-21 22:00:04
Local clock offset: 1.98 ms
Remote clock offset: 7.64 ms

# Below is generated by plot.py at 2019-01-21 23:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 190.647 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 190.647 ms
Loss rate: 3.49%
```

Run 3: Report of Verus — Data Link

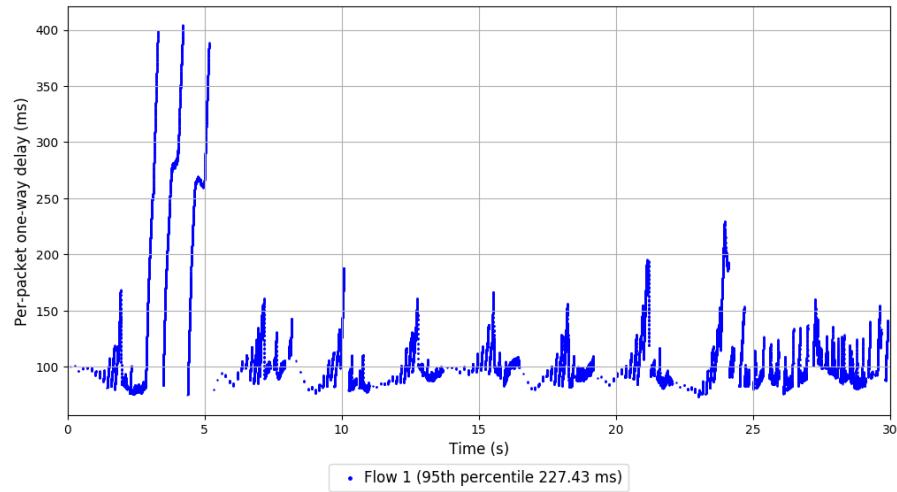
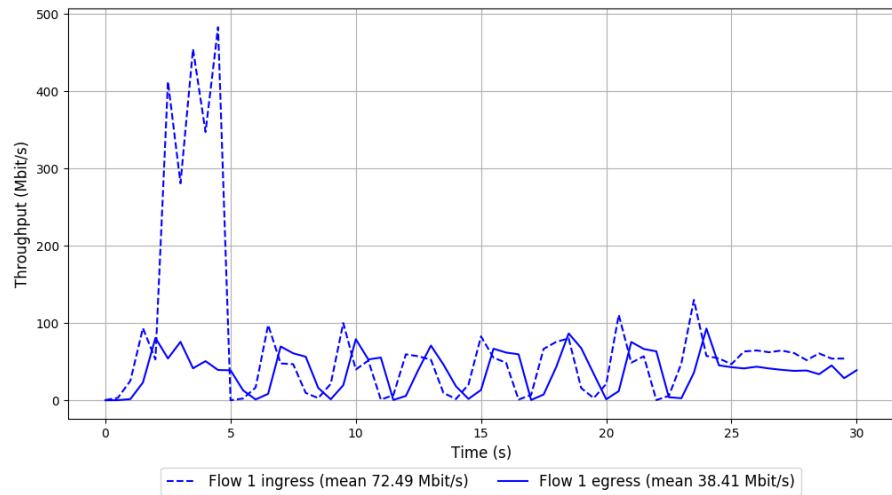


Run 4: Statistics of Verus

```
Start at: 2019-01-21 22:24:34
End at: 2019-01-21 22:25:04
Local clock offset: 10.142 ms
Remote clock offset: 7.739 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 227.430 ms
Loss rate: 47.28%
-- Flow 1:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 227.430 ms
Loss rate: 47.28%
```

Run 4: Report of Verus — Data Link

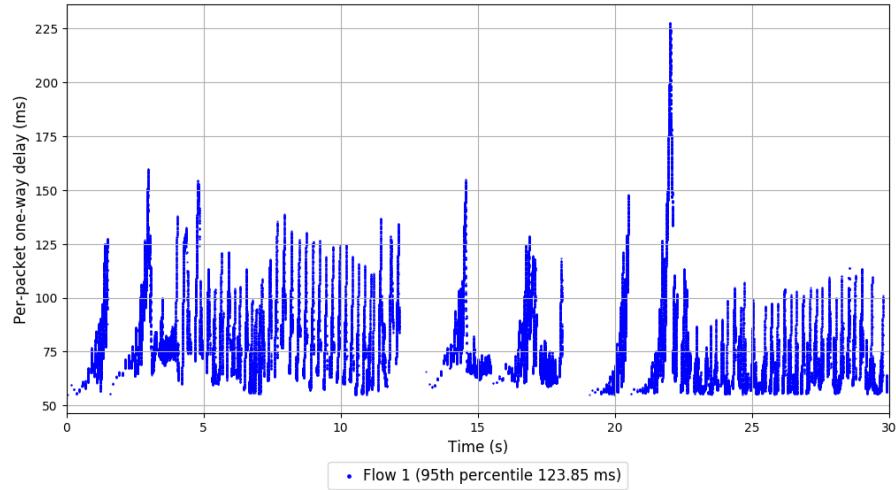
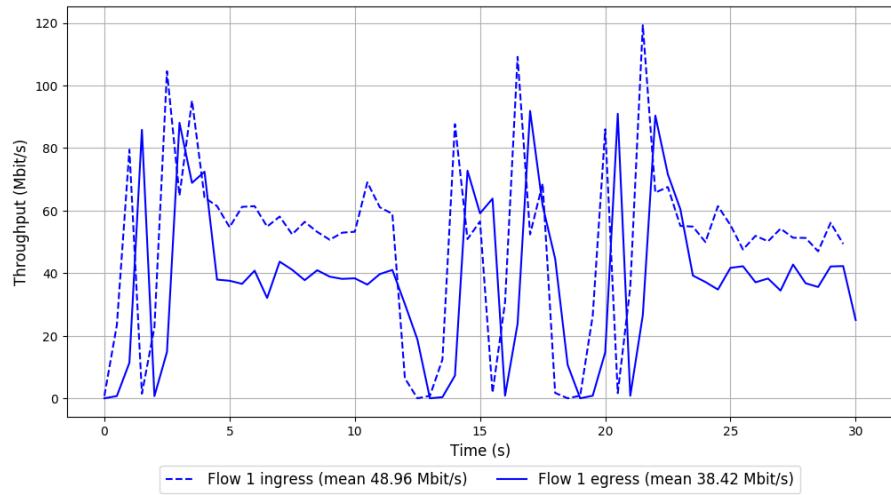


Run 5: Statistics of Verus

```
Start at: 2019-01-21 22:49:10
End at: 2019-01-21 22:49:40
Local clock offset: 12.174 ms
Remote clock offset: 7.721 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 123.848 ms
Loss rate: 21.77%
-- Flow 1:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 123.848 ms
Loss rate: 21.77%
```

Run 5: Report of Verus — Data Link

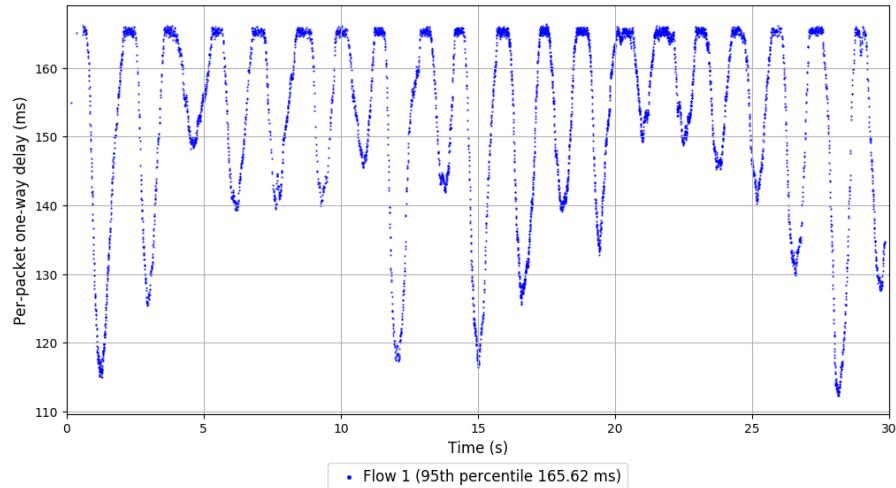
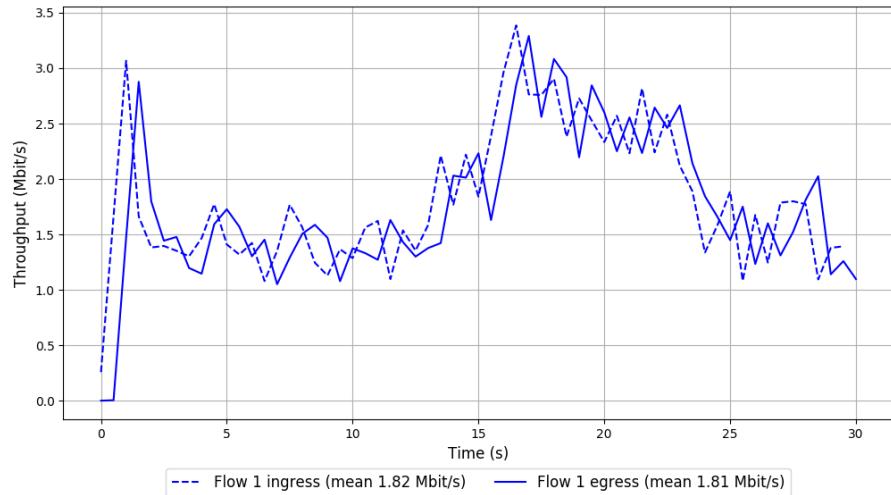


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-21 21:08:10
End at: 2019-01-21 21:08:40
Local clock offset: 1.286 ms
Remote clock offset: 8.696 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 165.618 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 165.618 ms
Loss rate: 1.29%
```

Run 1: Report of PCC-Vivace — Data Link

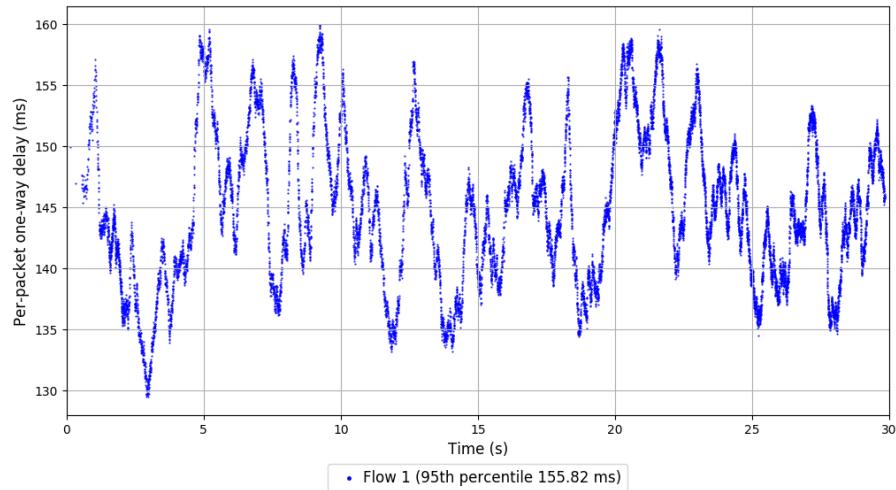
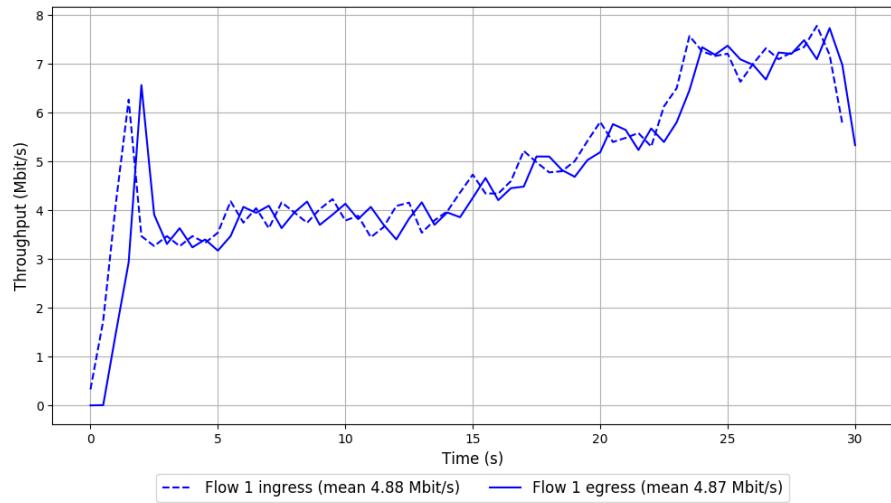


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-21 21:36:32
End at: 2019-01-21 21:37:02
Local clock offset: 0.813 ms
Remote clock offset: 7.307 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 155.820 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 155.820 ms
Loss rate: 0.95%
```

Run 2: Report of PCC-Vivace — Data Link

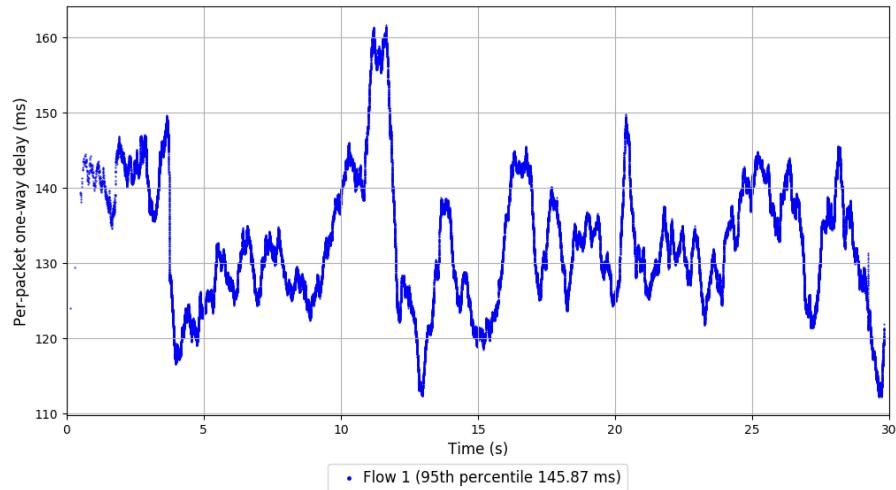
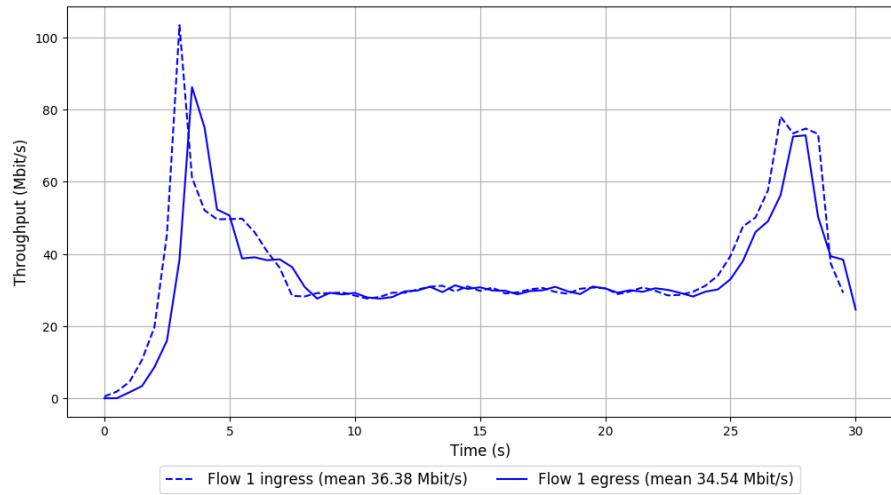


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-21 22:02:01
End at: 2019-01-21 22:02:31
Local clock offset: 1.969 ms
Remote clock offset: 7.496 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.54 Mbit/s
95th percentile per-packet one-way delay: 145.871 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 34.54 Mbit/s
95th percentile per-packet one-way delay: 145.871 ms
Loss rate: 5.61%
```

Run 3: Report of PCC-Vivace — Data Link

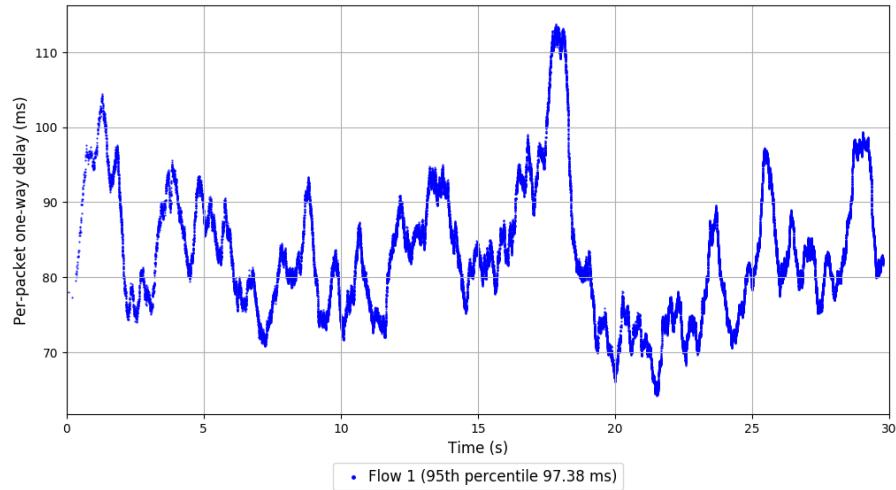
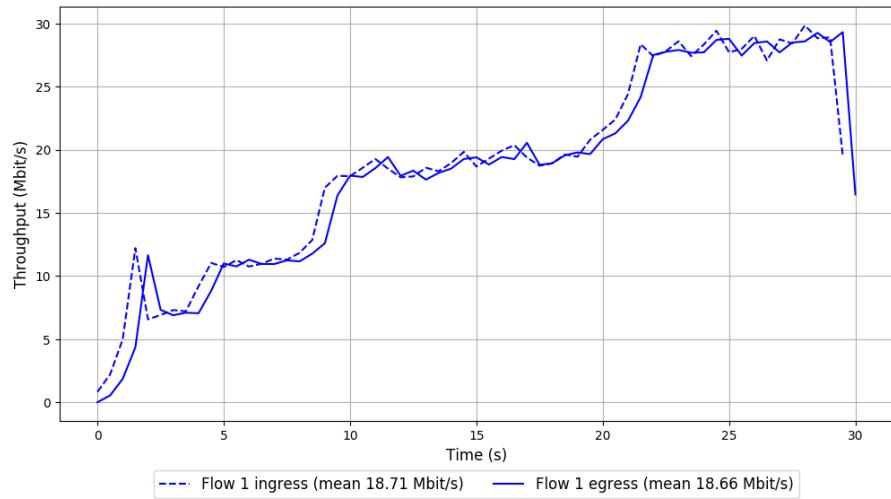


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-21 22:26:58
End at: 2019-01-21 22:27:28
Local clock offset: 11.548 ms
Remote clock offset: 7.728 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 97.383 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 97.383 ms
Loss rate: 0.71%
```

Run 4: Report of PCC-Vivace — Data Link

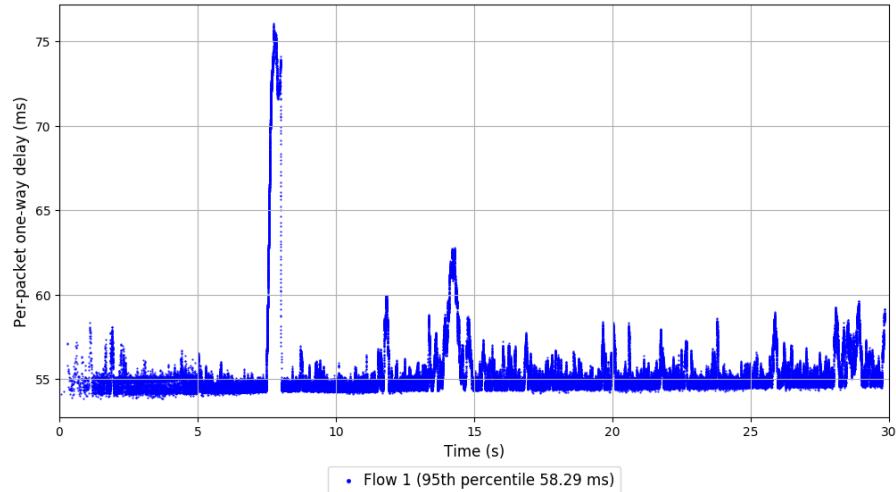
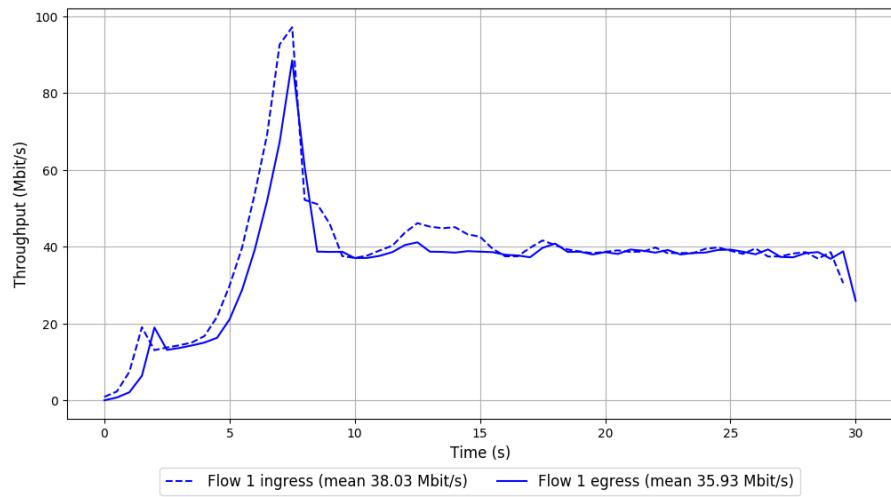


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-21 22:51:32
End at: 2019-01-21 22:52:02
Local clock offset: 9.632 ms
Remote clock offset: 8.235 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 58.289 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 58.289 ms
Loss rate: 5.85%
```

Run 5: Report of PCC-Vivace — Data Link

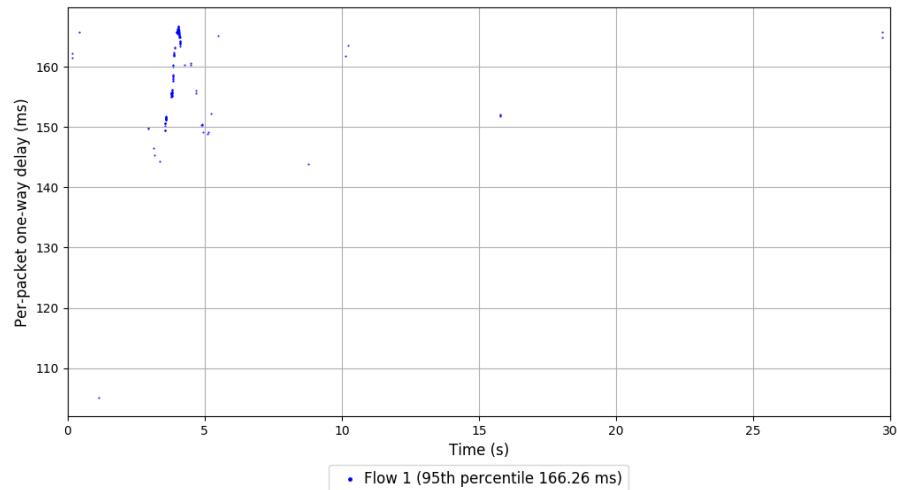
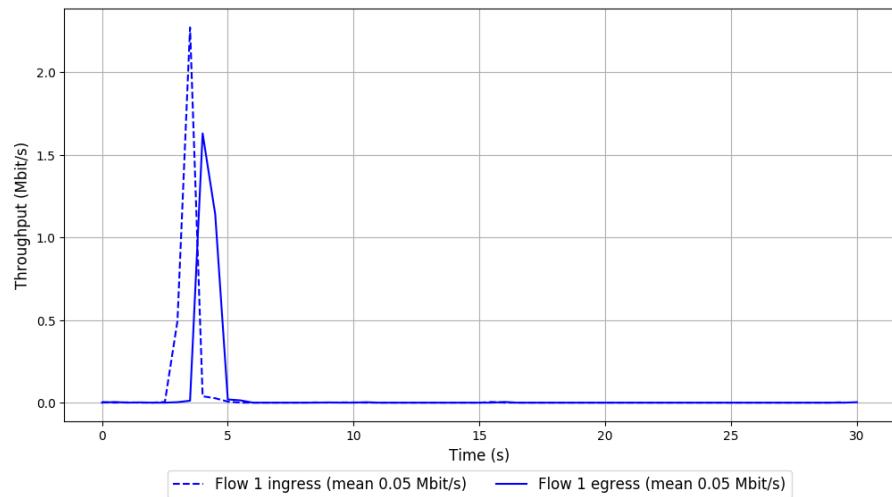


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-21 21:29:15
End at: 2019-01-21 21:29:45
Local clock offset: 0.88 ms
Remote clock offset: 7.277 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 166.261 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 166.261 ms
Loss rate: 0.84%
```

Run 1: Report of WebRTC media — Data Link

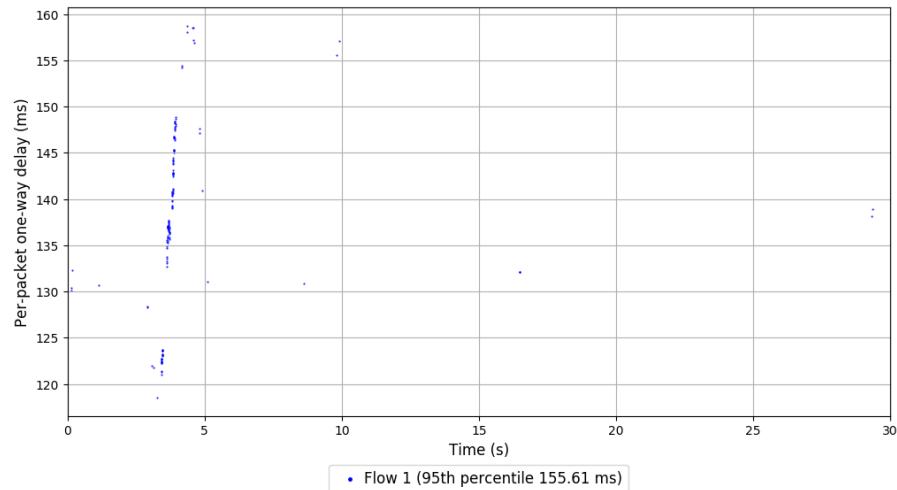
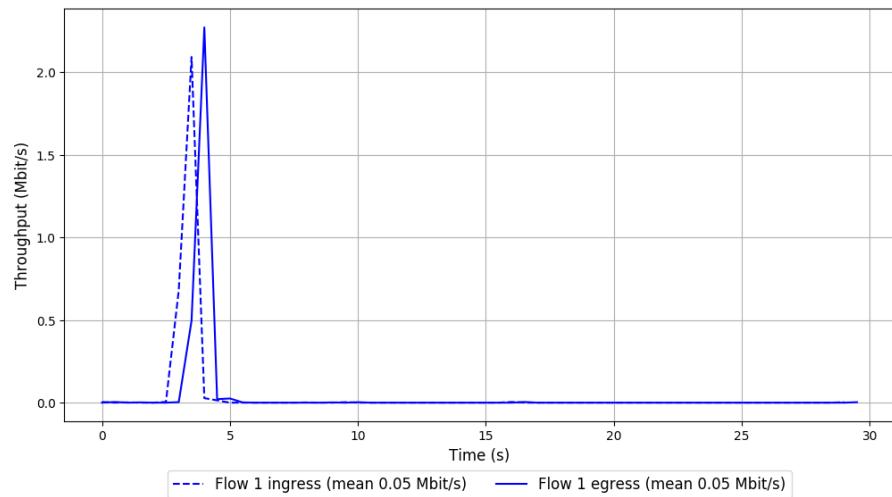


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-21 21:54:51
End at: 2019-01-21 21:55:21
Local clock offset: 1.623 ms
Remote clock offset: 7.556 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 155.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 155.609 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

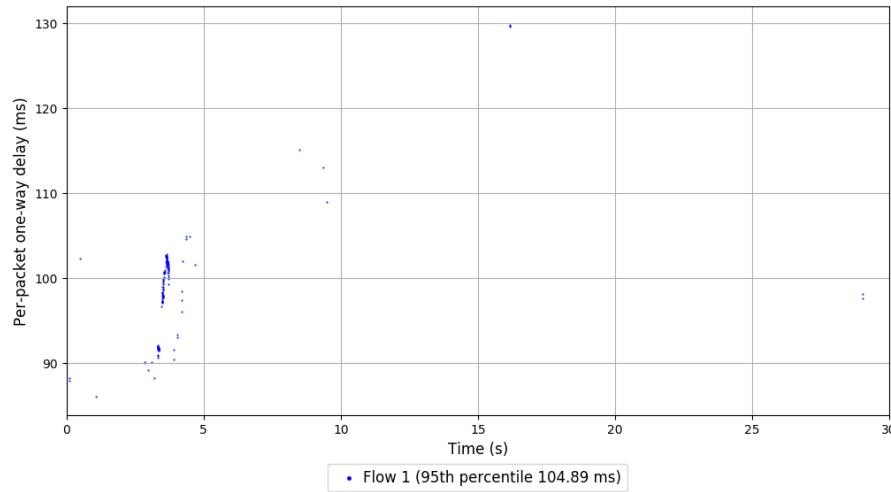
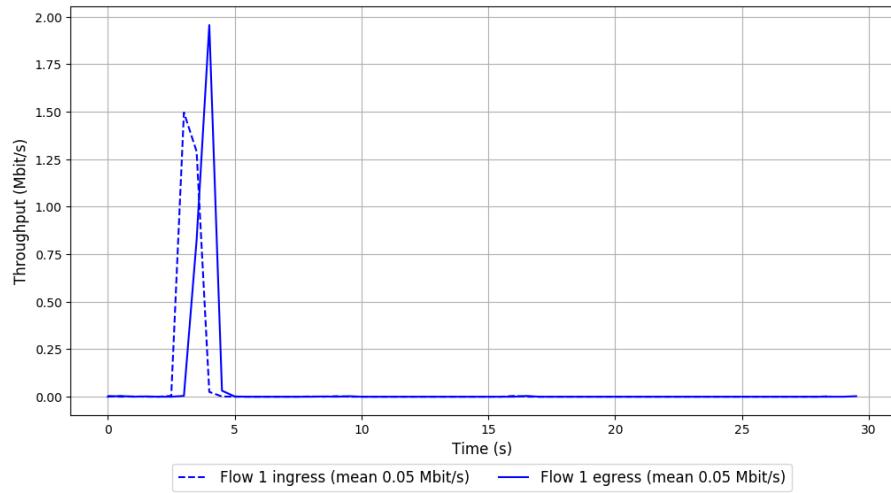


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-21 22:19:55
End at: 2019-01-21 22:20:25
Local clock offset: 6.595 ms
Remote clock offset: 8.651 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 104.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 104.892 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

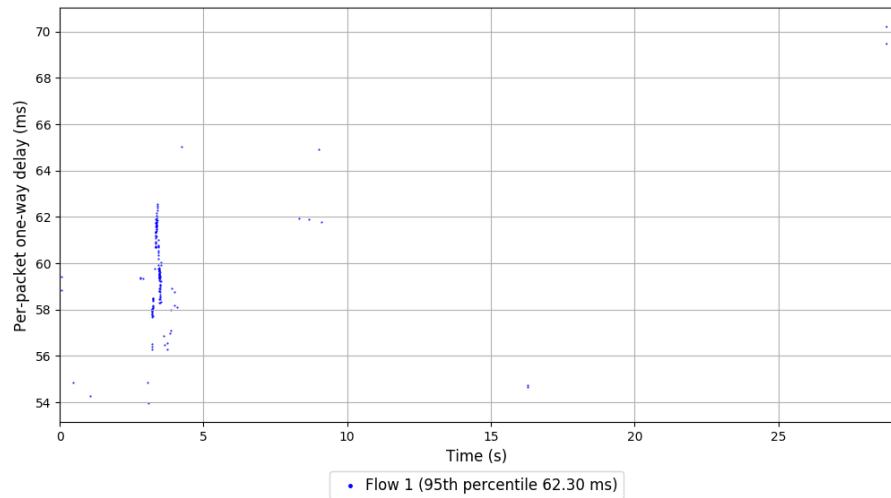
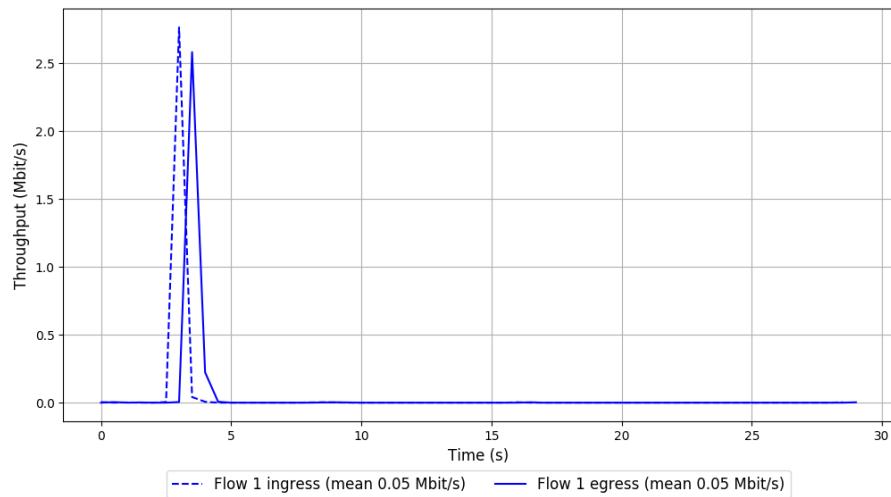


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-21 22:44:33
End at: 2019-01-21 22:45:03
Local clock offset: 16.537 ms
Remote clock offset: 7.494 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.298 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-01-21 23:09:06
End at: 2019-01-21 23:09:36
Local clock offset: 1.733 ms
Remote clock offset: 7.397 ms

# Below is generated by plot.py at 2019-01-21 23:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.125 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

