

Pantheon Report

Generated at 2018-06-18 12:40:14 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

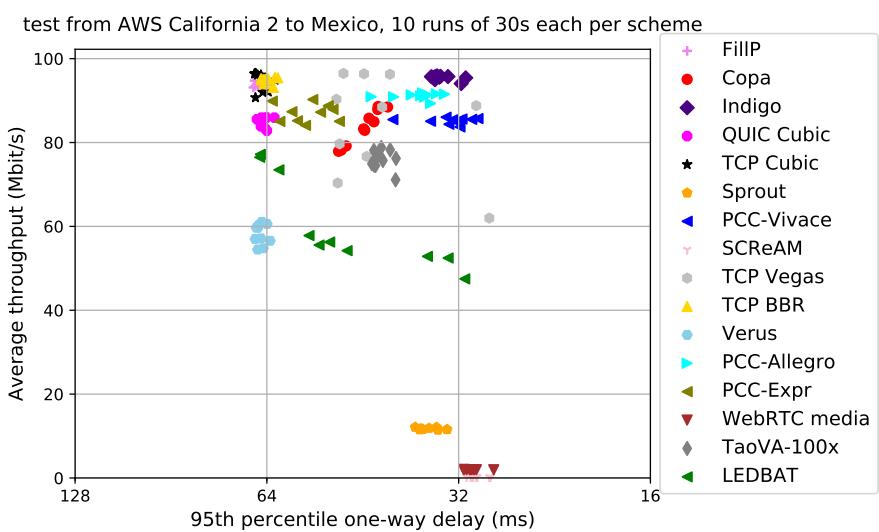
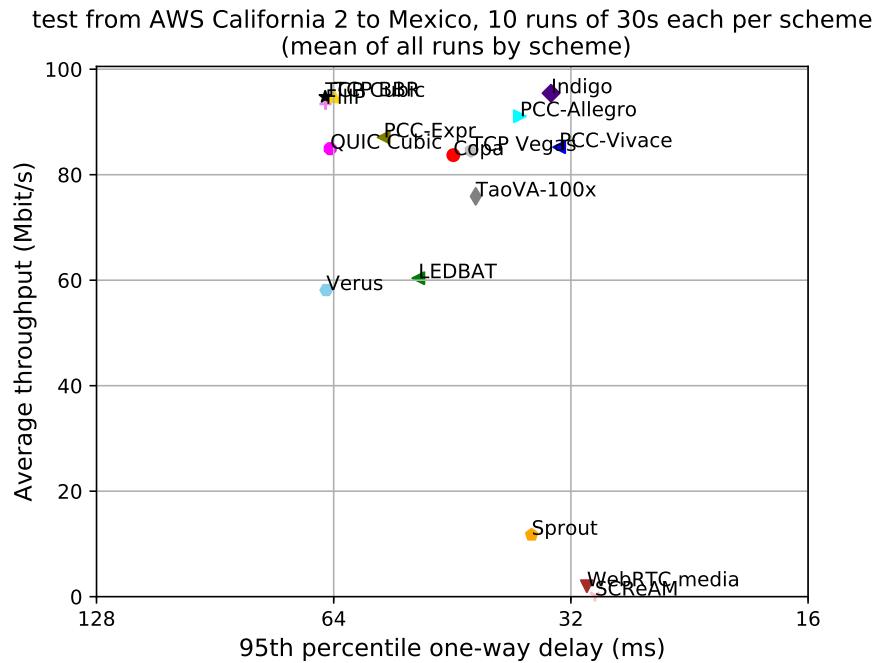
Each test lasted for 30 seconds running 1 flow.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



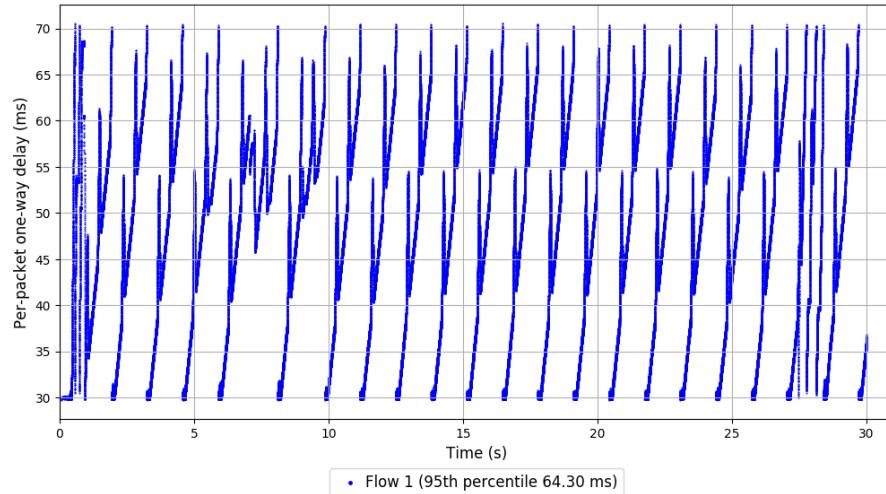
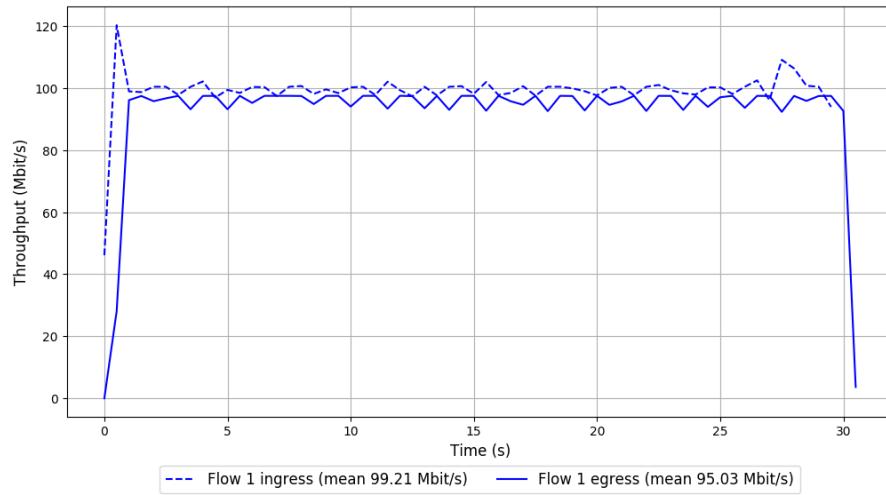
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.85	63.93	3.98
Copa	10	83.71	45.12	0.72
TCP Cubic	10	94.77	65.61	0.33
FillP	10	93.43	65.55	7.66
Indigo	10	95.45	33.91	0.03
LEDBAT	10	60.37	49.98	0.02
PCC-Allegro	10	91.08	37.14	0.63
PCC-Expr	10	87.08	55.31	0.68
QUIC Cubic	9	84.94	64.66	1.14
SCReAM	10	0.22	29.83	0.00
Sprout	10	11.73	35.89	0.07
TaoVA-100x	10	75.89	42.26	0.05
TCP Vegas	10	84.53	42.86	0.33
Verus	10	58.13	65.41	25.65
PCC-Vivace	10	85.22	33.12	0.02
WebRTC media	10	1.98	30.54	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-18 08:55:20
End at: 2018-06-18 08:55:50
Local clock offset: 1.587 ms
Remote clock offset: -1.725 ms

# Below is generated by plot.py at 2018-06-18 12:19:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 64.300 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 64.300 ms
Loss rate: 4.19%
```

Run 1: Report of TCP BBR — Data Link

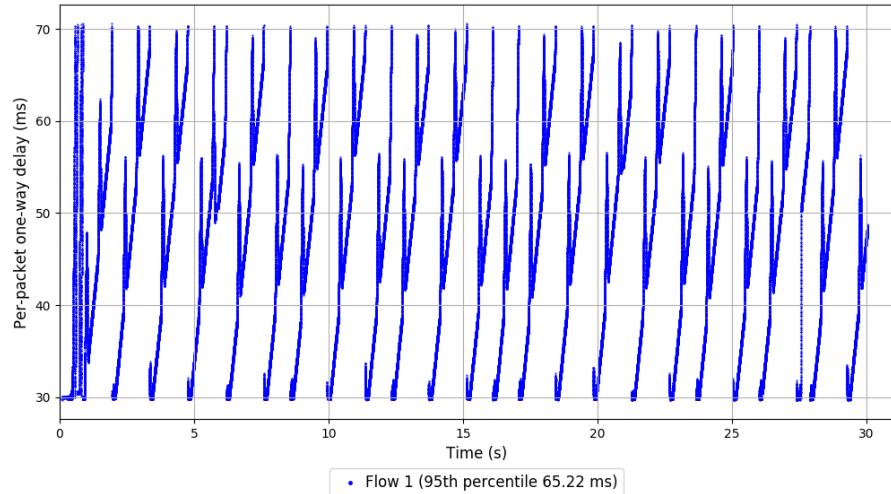
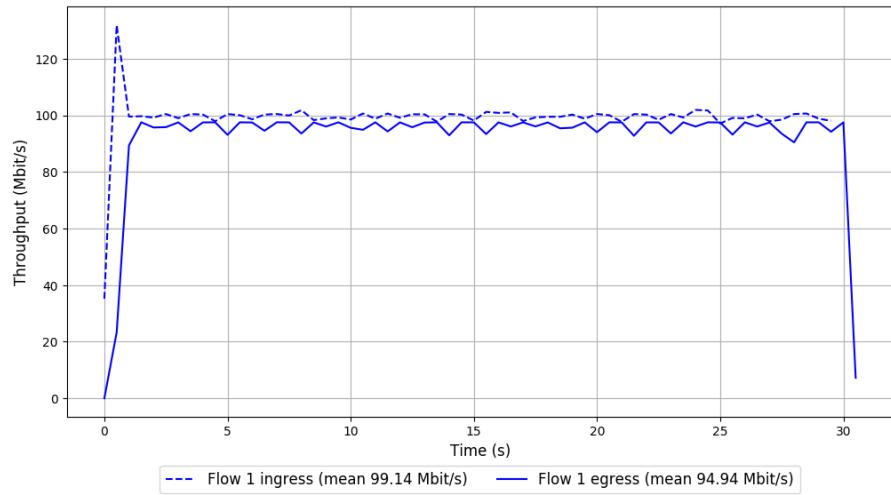


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-18 09:16:10
End at: 2018-06-18 09:16:40
Local clock offset: 0.758 ms
Remote clock offset: 0.574 ms

# Below is generated by plot.py at 2018-06-18 12:19:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 65.222 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 65.222 ms
Loss rate: 4.18%
```

Run 2: Report of TCP BBR — Data Link

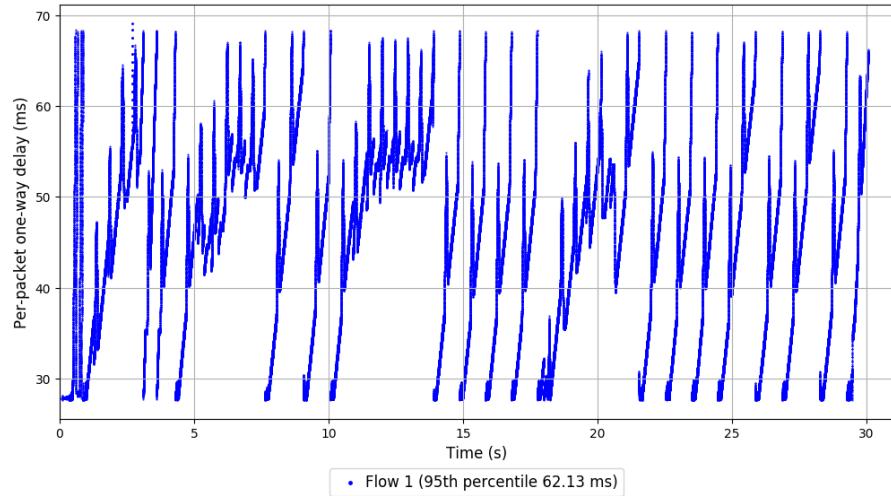
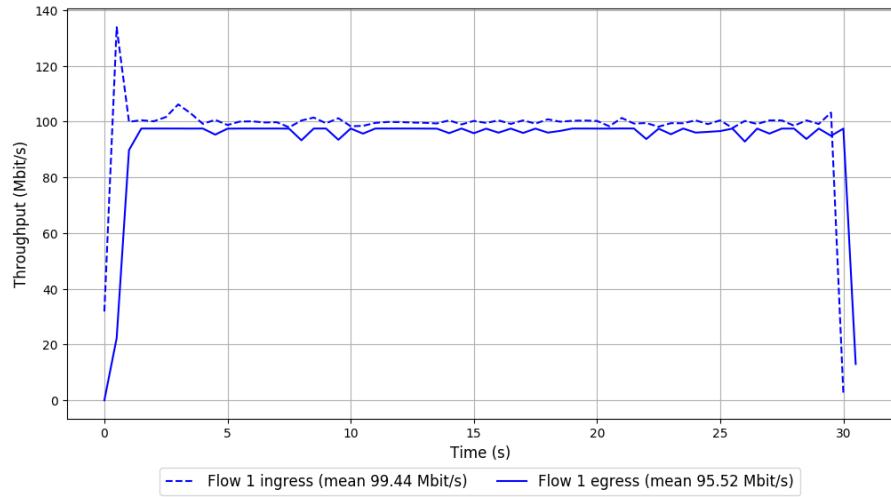


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-18 09:37:00
End at: 2018-06-18 09:37:30
Local clock offset: 0.609 ms
Remote clock offset: 0.287 ms

# Below is generated by plot.py at 2018-06-18 12:19:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 62.133 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 62.133 ms
Loss rate: 3.86%
```

Run 3: Report of TCP BBR — Data Link

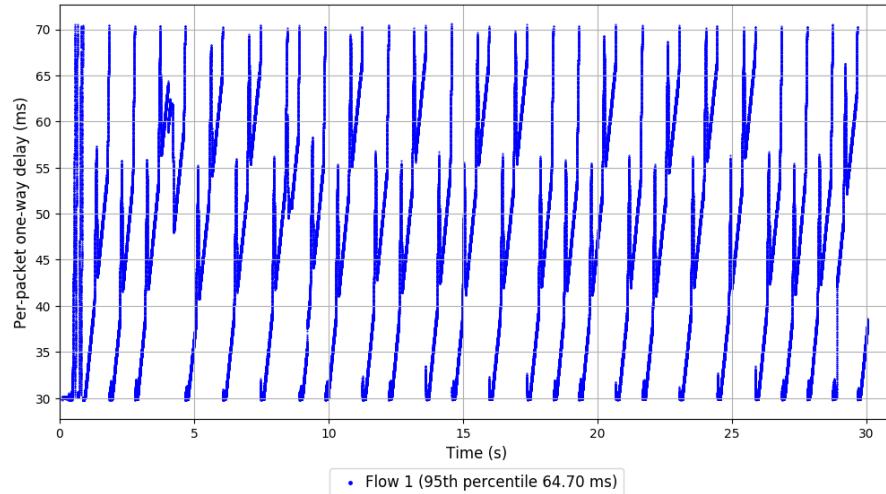
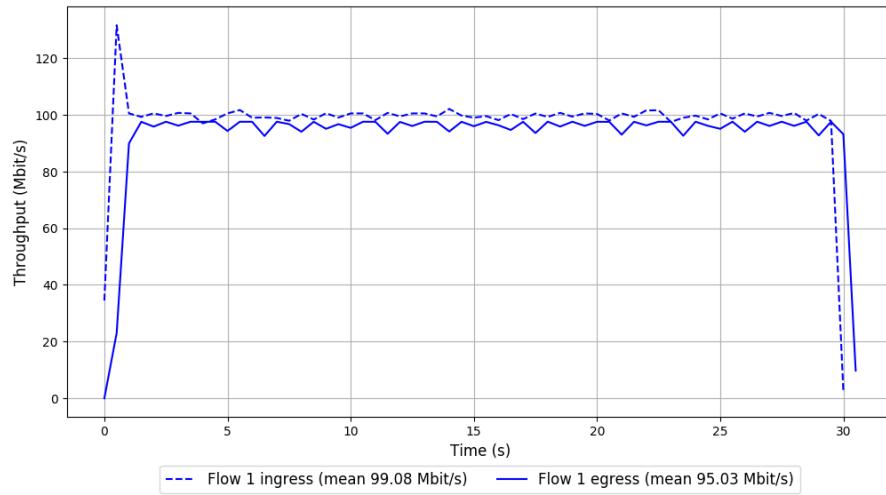


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-18 09:57:53
End at: 2018-06-18 09:58:23
Local clock offset: 0.585 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-06-18 12:19:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 64.698 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 64.698 ms
Loss rate: 4.06%
```

Run 4: Report of TCP BBR — Data Link

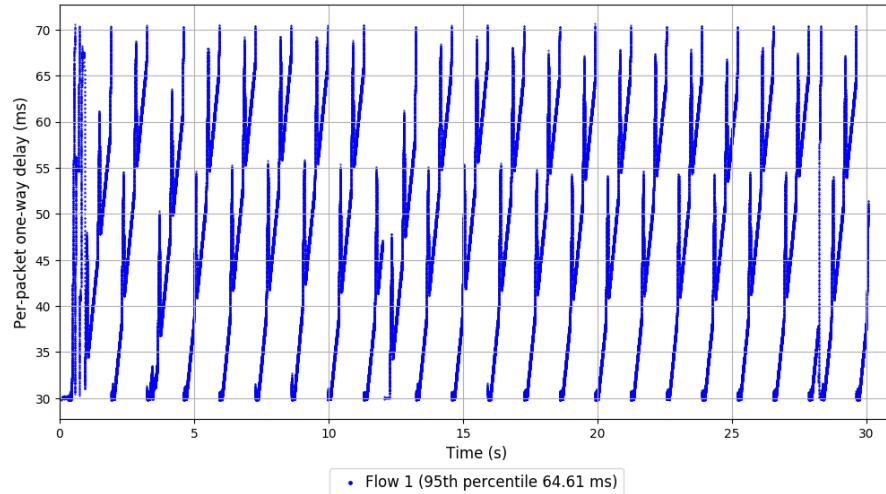
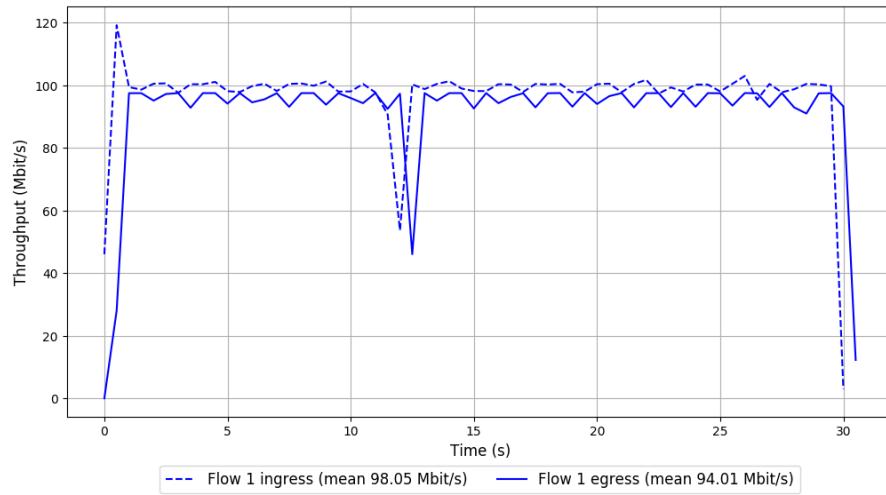


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-18 10:18:51
End at: 2018-06-18 10:19:21
Local clock offset: 0.475 ms
Remote clock offset: -0.618 ms

# Below is generated by plot.py at 2018-06-18 12:19:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 64.613 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 64.613 ms
Loss rate: 4.05%
```

Run 5: Report of TCP BBR — Data Link

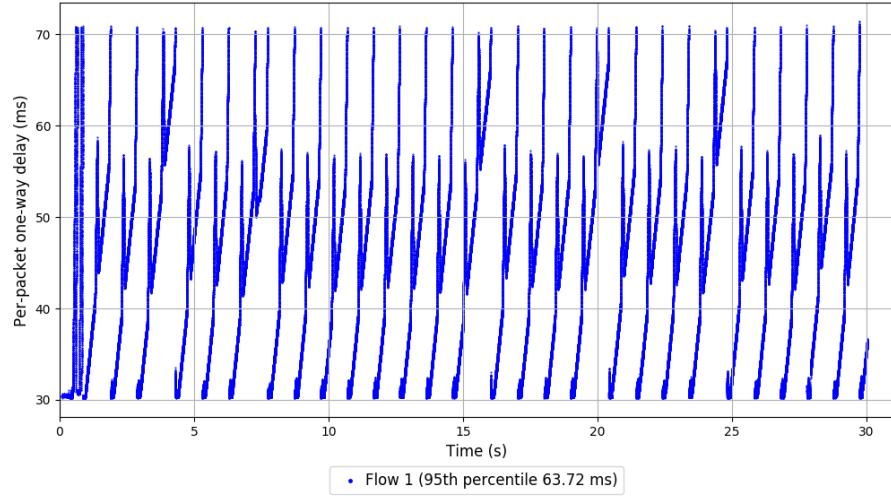
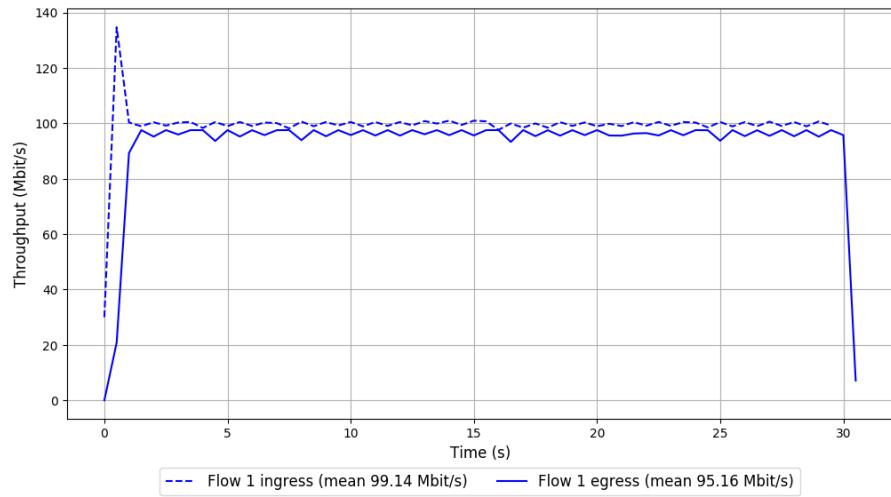


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-18 10:39:40
End at: 2018-06-18 10:40:10
Local clock offset: 0.518 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-06-18 12:19:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 63.722 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 63.722 ms
Loss rate: 4.00%
```

Run 6: Report of TCP BBR — Data Link

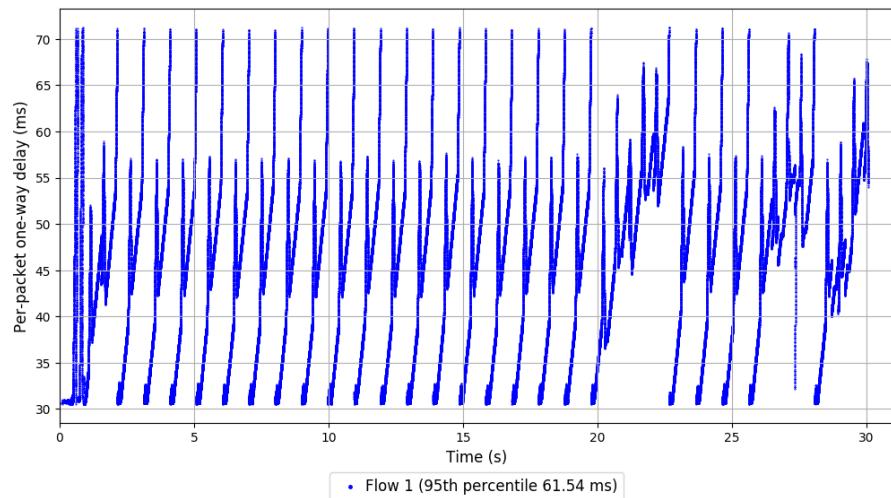
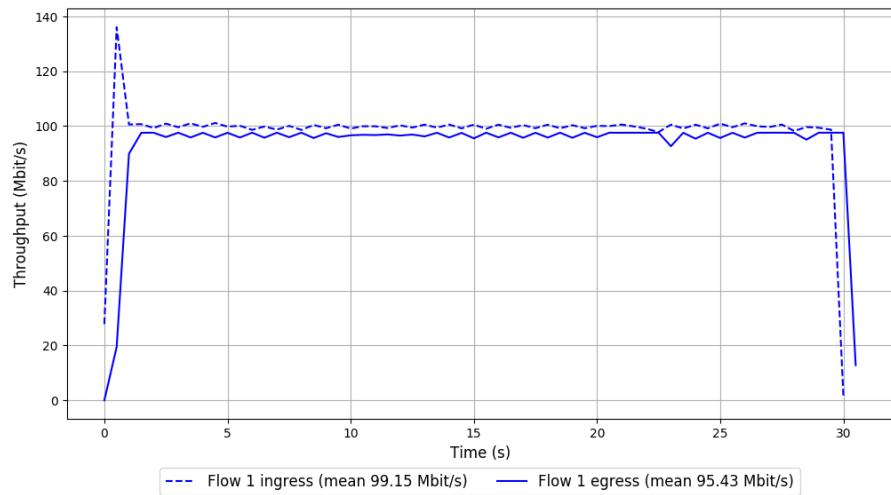


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-18 11:00:32
End at: 2018-06-18 11:01:02
Local clock offset: 0.319 ms
Remote clock offset: -1.314 ms

# Below is generated by plot.py at 2018-06-18 12:19:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 61.540 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 61.540 ms
Loss rate: 3.68%
```

Run 7: Report of TCP BBR — Data Link

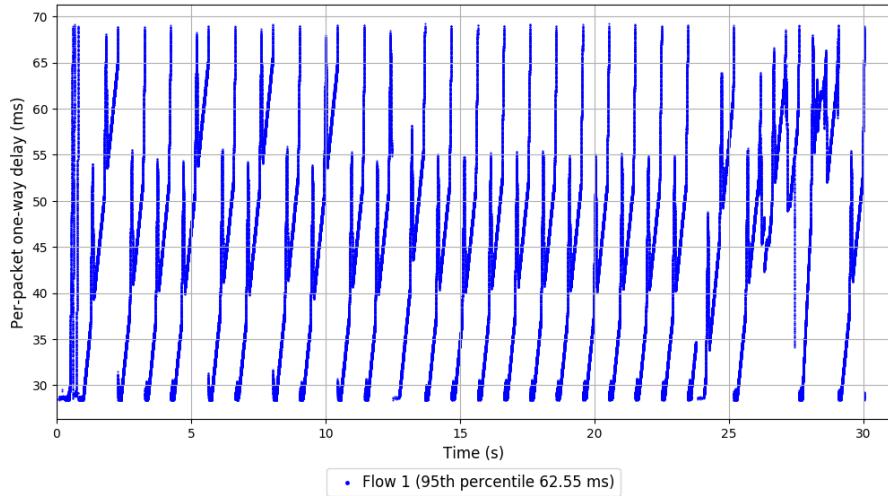
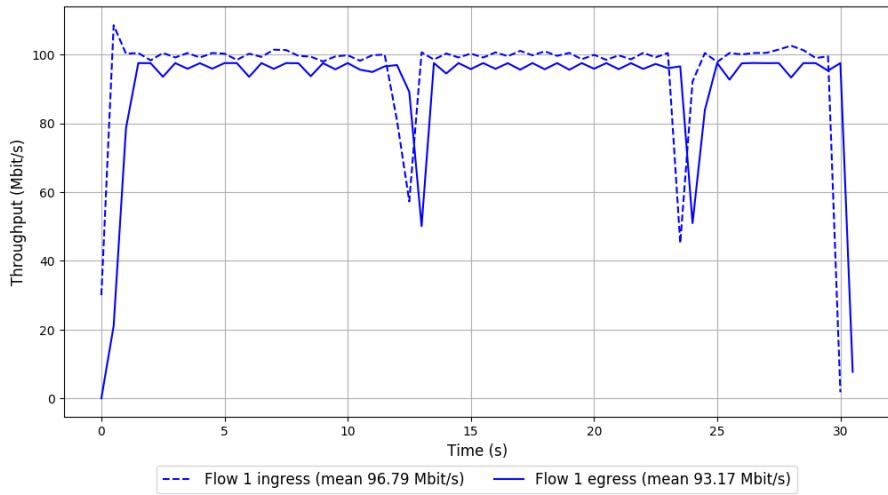


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-18 11:21:24
End at: 2018-06-18 11:21:54
Local clock offset: 0.428 ms
Remote clock offset: -4.018 ms

# Below is generated by plot.py at 2018-06-18 12:19:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 62.552 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 62.552 ms
Loss rate: 3.74%
```

Run 8: Report of TCP BBR — Data Link

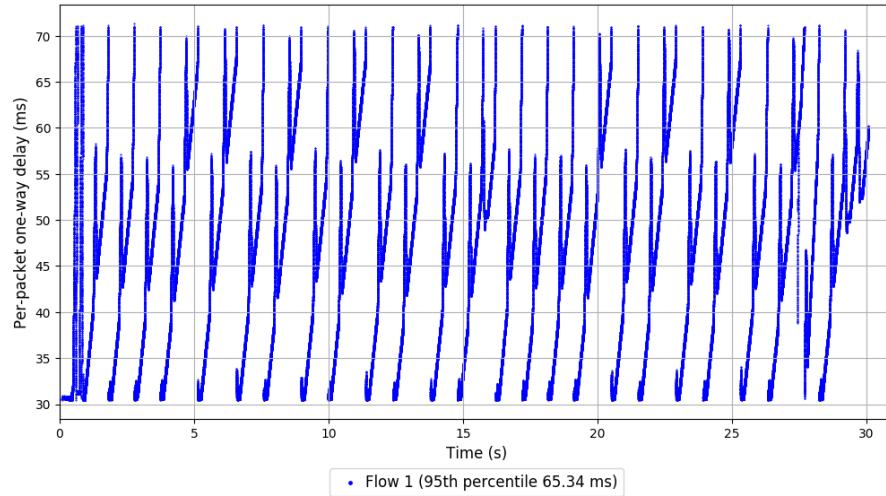
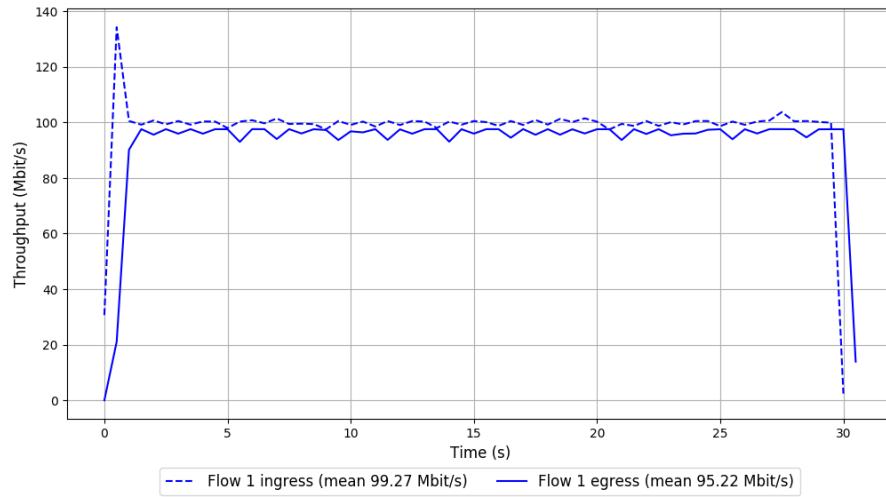


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-18 11:42:14
End at: 2018-06-18 11:42:44
Local clock offset: 0.304 ms
Remote clock offset: -1.122 ms

# Below is generated by plot.py at 2018-06-18 12:20:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 65.341 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 65.341 ms
Loss rate: 3.99%
```

Run 9: Report of TCP BBR — Data Link

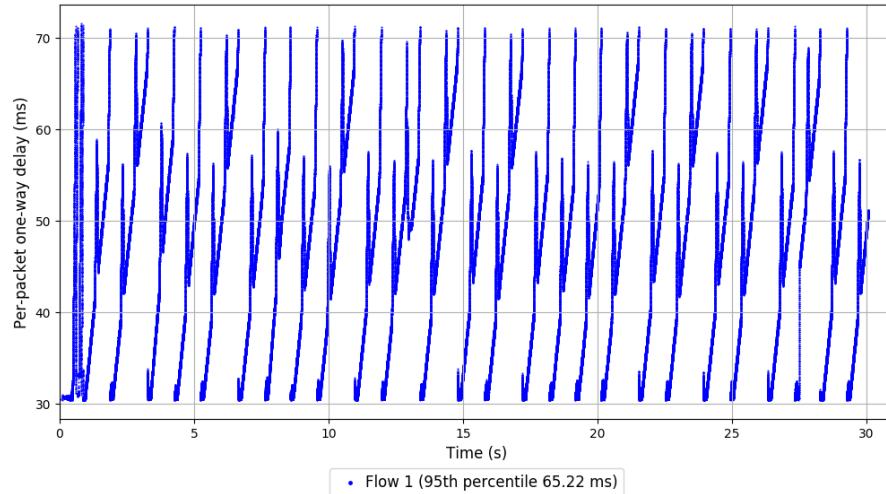
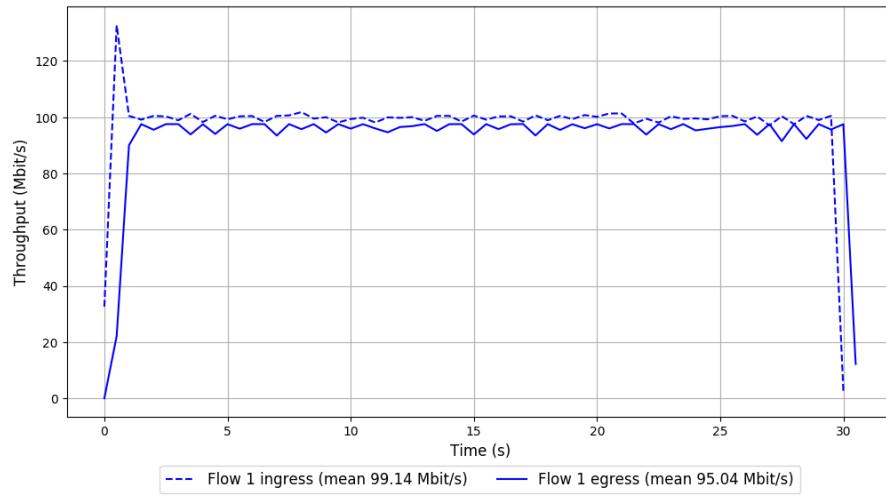


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-18 12:03:04
End at: 2018-06-18 12:03:34
Local clock offset: 0.036 ms
Remote clock offset: -1.214 ms

# Below is generated by plot.py at 2018-06-18 12:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 65.217 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 65.217 ms
Loss rate: 4.07%
```

Run 10: Report of TCP BBR — Data Link

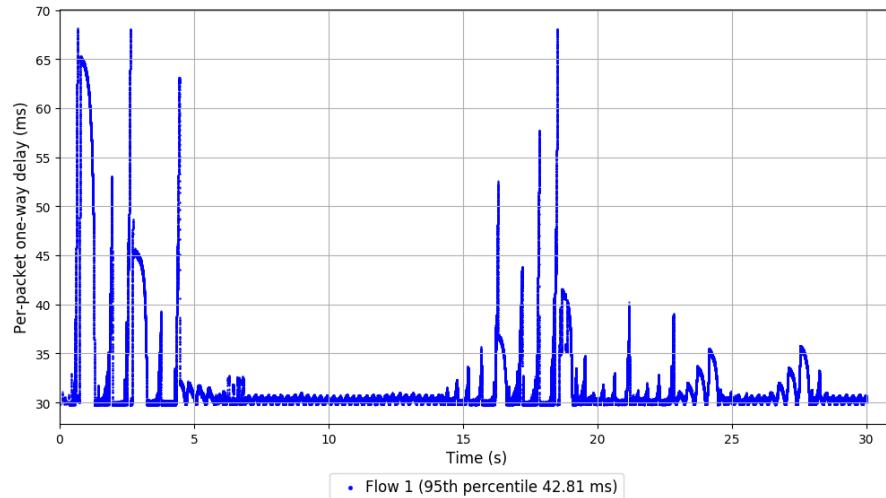
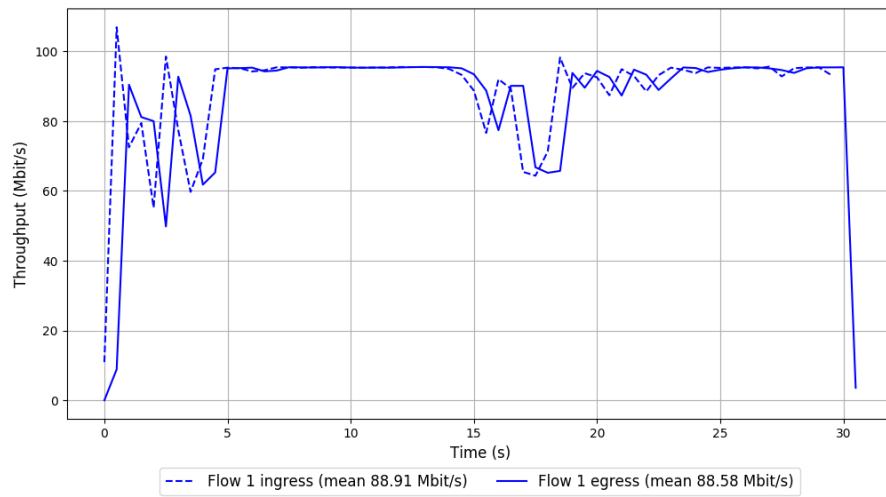


Run 1: Statistics of Copa

```
Start at: 2018-06-18 08:50:09
End at: 2018-06-18 08:50:39
Local clock offset: 1.529 ms
Remote clock offset: -1.558 ms

# Below is generated by plot.py at 2018-06-18 12:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 42.812 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 42.812 ms
Loss rate: 0.36%
```

Run 1: Report of Copa — Data Link

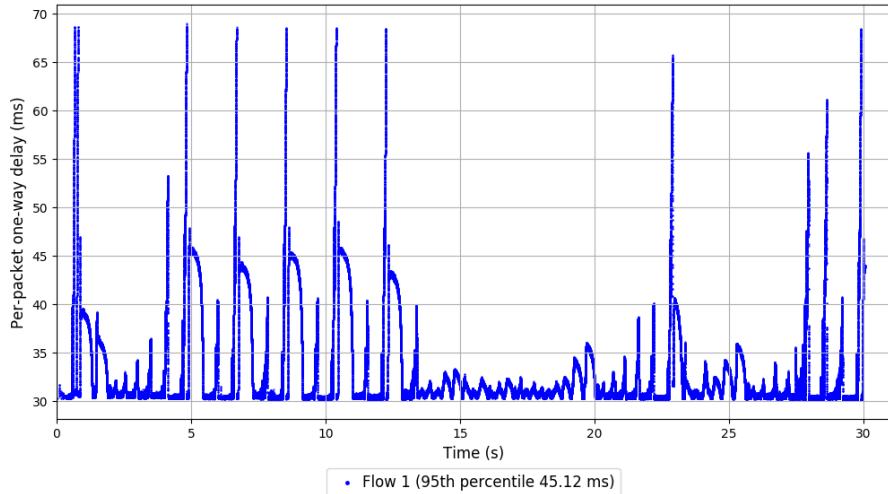
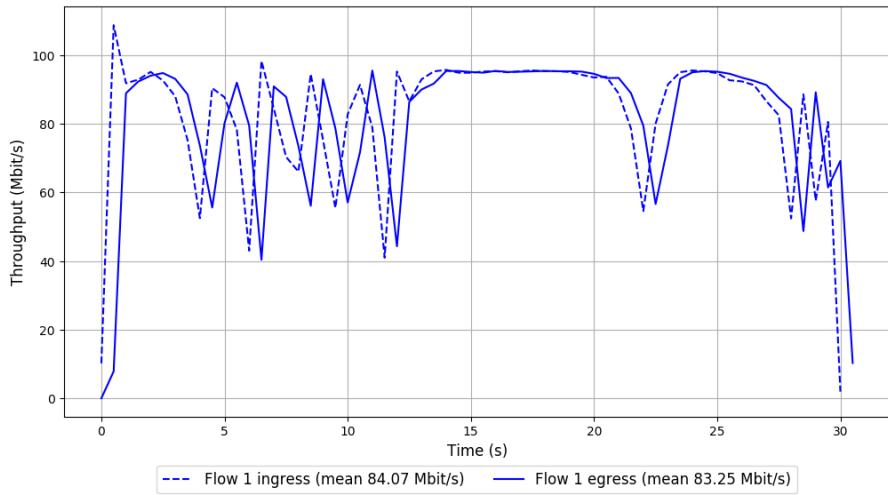


Run 2: Statistics of Copa

```
Start at: 2018-06-18 09:11:00
End at: 2018-06-18 09:11:30
Local clock offset: 1.026 ms
Remote clock offset: -0.793 ms

# Below is generated by plot.py at 2018-06-18 12:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: 45.116 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: 45.116 ms
Loss rate: 0.93%
```

Run 2: Report of Copa — Data Link

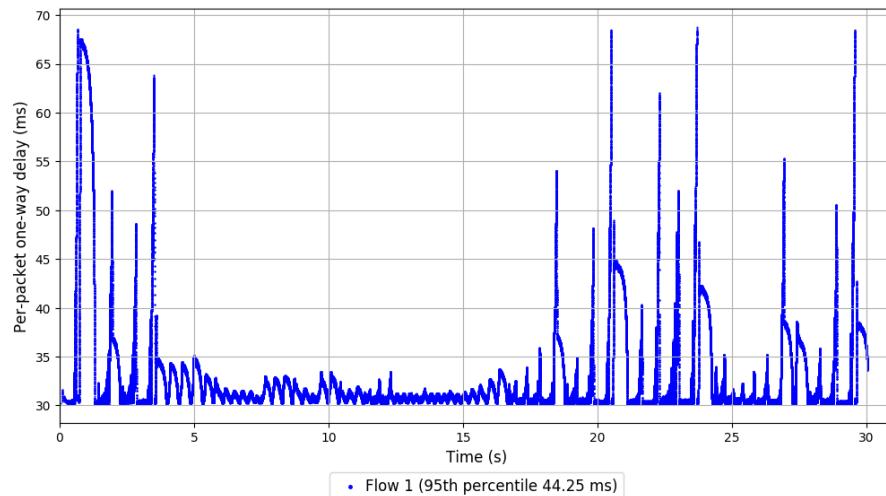
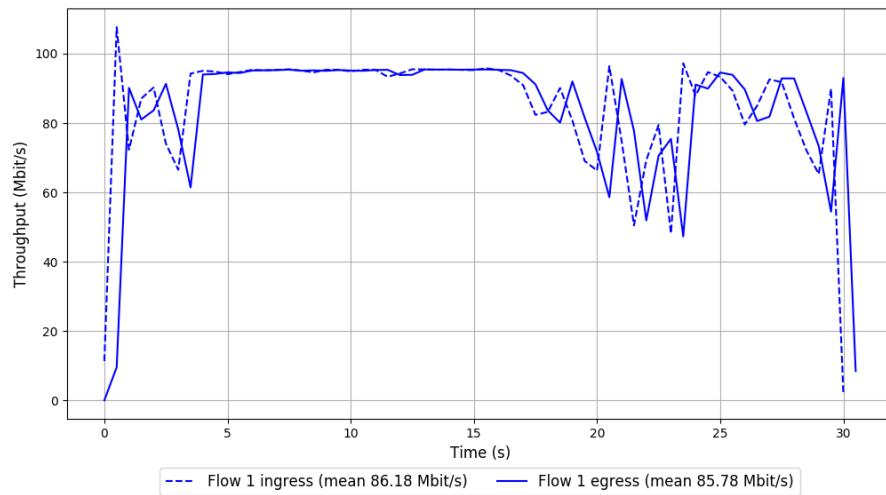


Run 3: Statistics of Copa

```
Start at: 2018-06-18 09:31:51
End at: 2018-06-18 09:32:21
Local clock offset: 0.66 ms
Remote clock offset: 2.539 ms

# Below is generated by plot.py at 2018-06-18 12:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 44.252 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 44.252 ms
Loss rate: 0.45%
```

Run 3: Report of Copa — Data Link

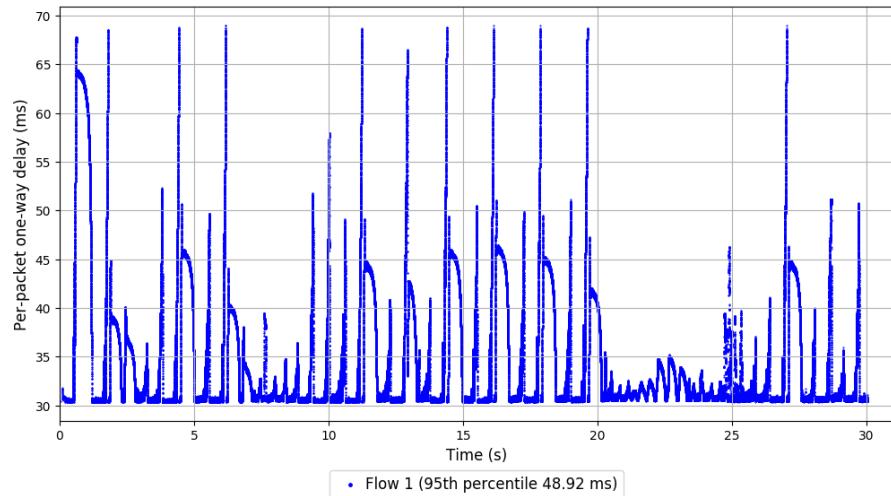
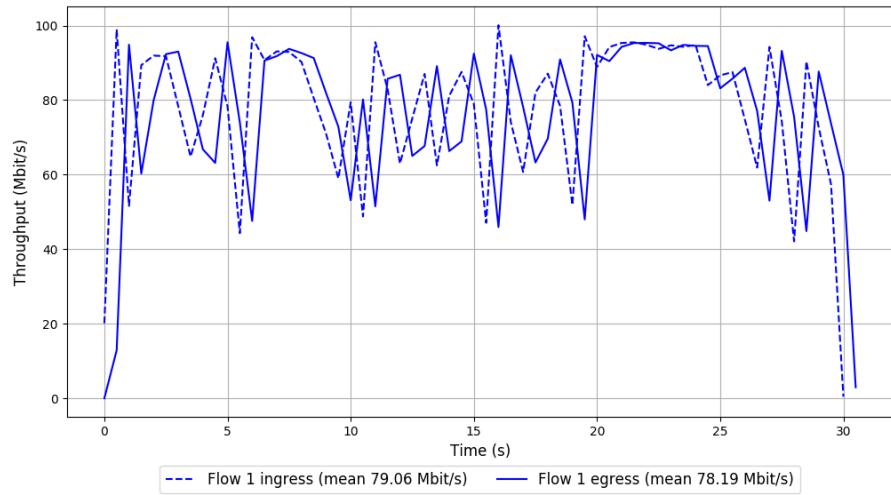


Run 4: Statistics of Copa

```
Start at: 2018-06-18 09:52:43
End at: 2018-06-18 09:53:13
Local clock offset: 0.548 ms
Remote clock offset: 0.971 ms

# Below is generated by plot.py at 2018-06-18 12:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 48.919 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 48.919 ms
Loss rate: 1.09%
```

Run 4: Report of Copa — Data Link

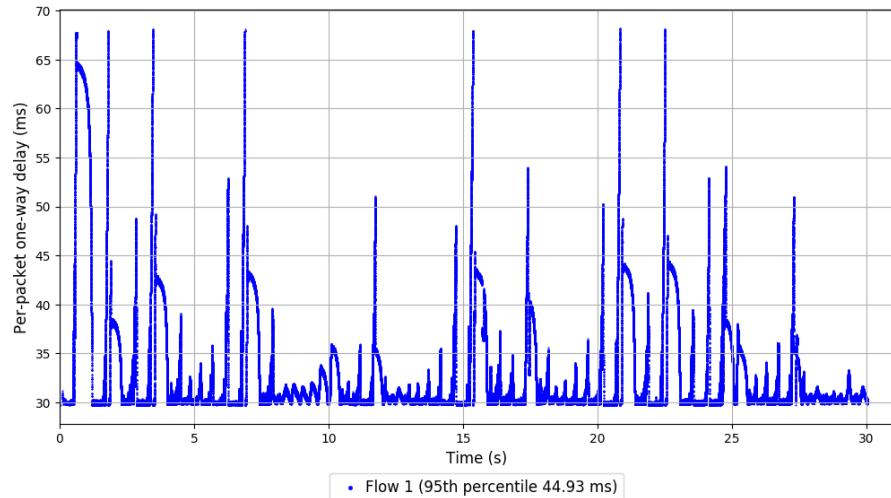
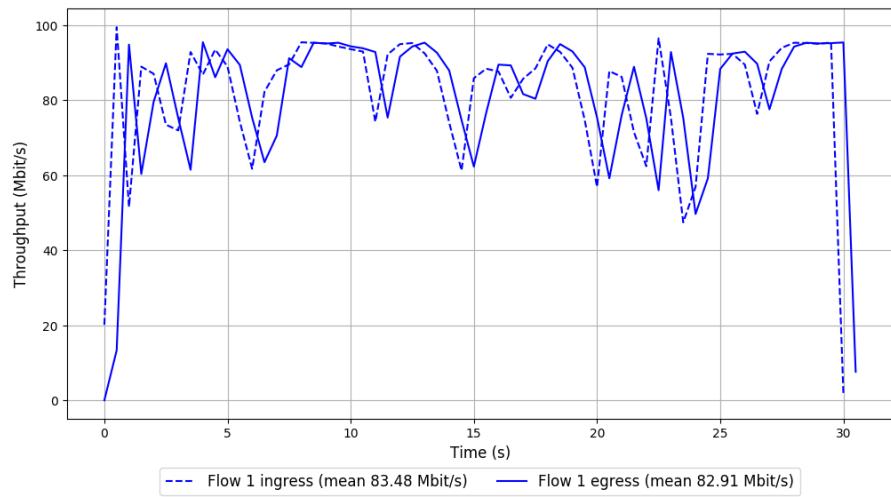


Run 5: Statistics of Copa

```
Start at: 2018-06-18 10:13:39
End at: 2018-06-18 10:14:09
Local clock offset: 0.557 ms
Remote clock offset: -0.632 ms

# Below is generated by plot.py at 2018-06-18 12:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.91 Mbit/s
95th percentile per-packet one-way delay: 44.933 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 82.91 Mbit/s
95th percentile per-packet one-way delay: 44.933 ms
Loss rate: 0.68%
```

Run 5: Report of Copa — Data Link

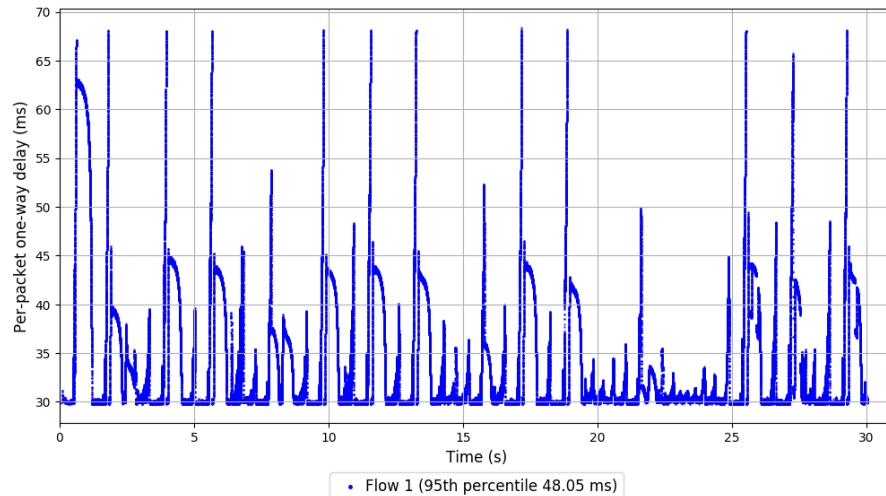
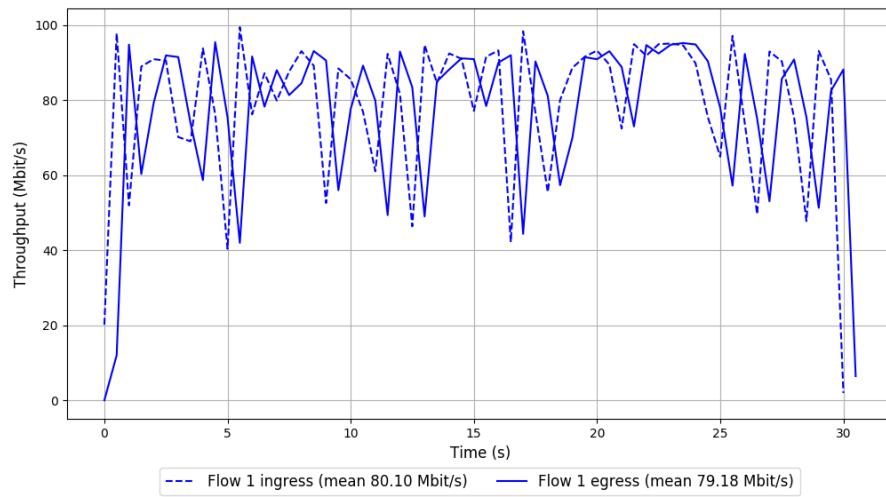


Run 6: Statistics of Copa

```
Start at: 2018-06-18 10:34:32
End at: 2018-06-18 10:35:02
Local clock offset: 0.574 ms
Remote clock offset: -0.492 ms

# Below is generated by plot.py at 2018-06-18 12:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.18 Mbit/s
95th percentile per-packet one-way delay: 48.051 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 79.18 Mbit/s
95th percentile per-packet one-way delay: 48.051 ms
Loss rate: 1.14%
```

Run 6: Report of Copa — Data Link

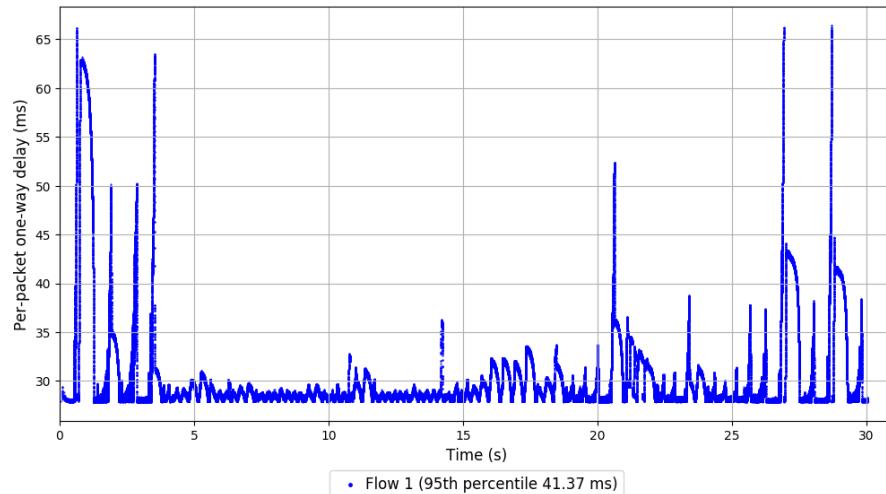
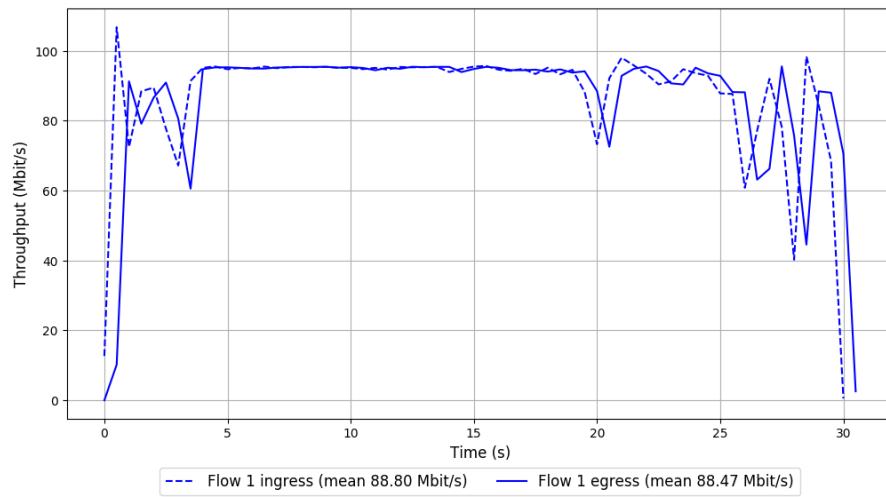


Run 7: Statistics of Copa

```
Start at: 2018-06-18 10:55:22
End at: 2018-06-18 10:55:52
Local clock offset: 0.326 ms
Remote clock offset: -3.019 ms

# Below is generated by plot.py at 2018-06-18 12:22:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 41.366 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 41.366 ms
Loss rate: 0.37%
```

Run 7: Report of Copa — Data Link

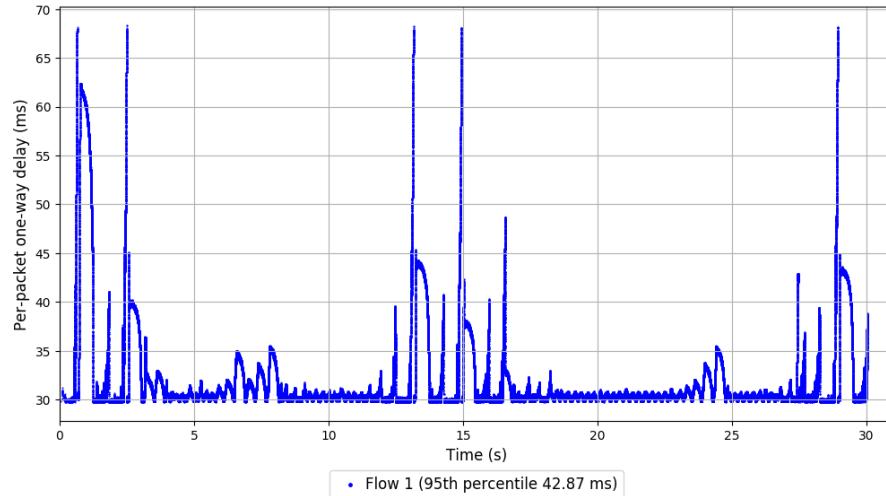
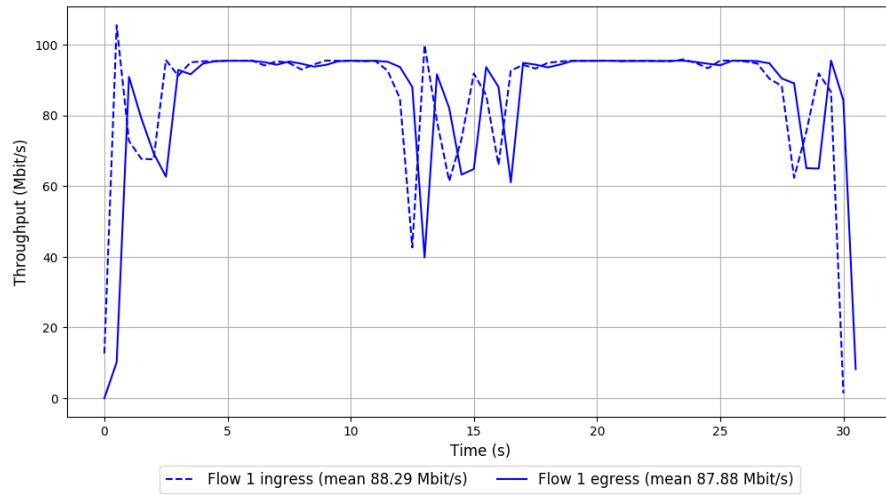


Run 8: Statistics of Copa

```
Start at: 2018-06-18 11:16:14
End at: 2018-06-18 11:16:44
Local clock offset: 0.417 ms
Remote clock offset: -1.835 ms

# Below is generated by plot.py at 2018-06-18 12:22:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 42.868 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 42.868 ms
Loss rate: 0.45%
```

Run 8: Report of Copa — Data Link

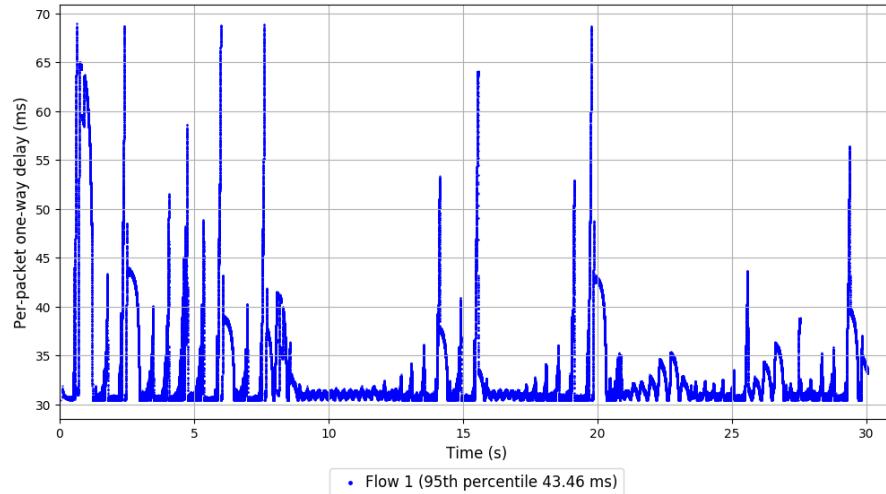
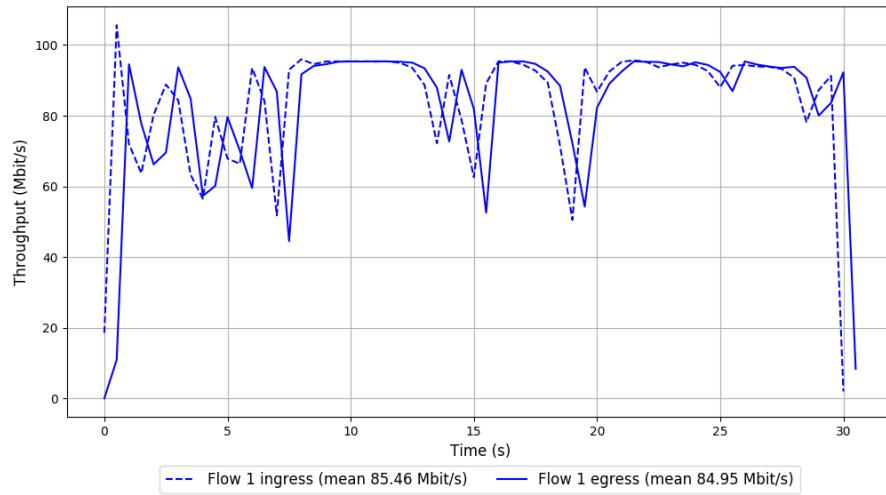


Run 9: Statistics of Copa

```
Start at: 2018-06-18 11:37:04
End at: 2018-06-18 11:37:34
Local clock offset: 0.408 ms
Remote clock offset: -1.014 ms

# Below is generated by plot.py at 2018-06-18 12:23:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 43.462 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 43.462 ms
Loss rate: 0.59%
```

Run 9: Report of Copa — Data Link

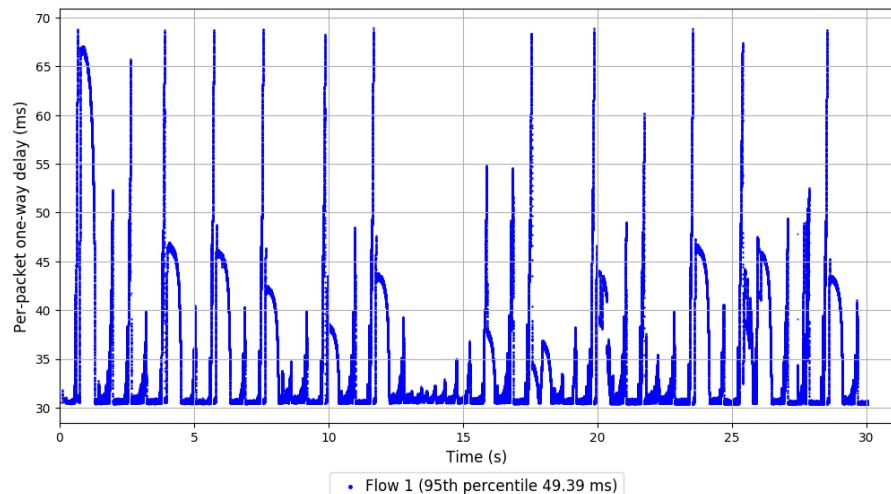
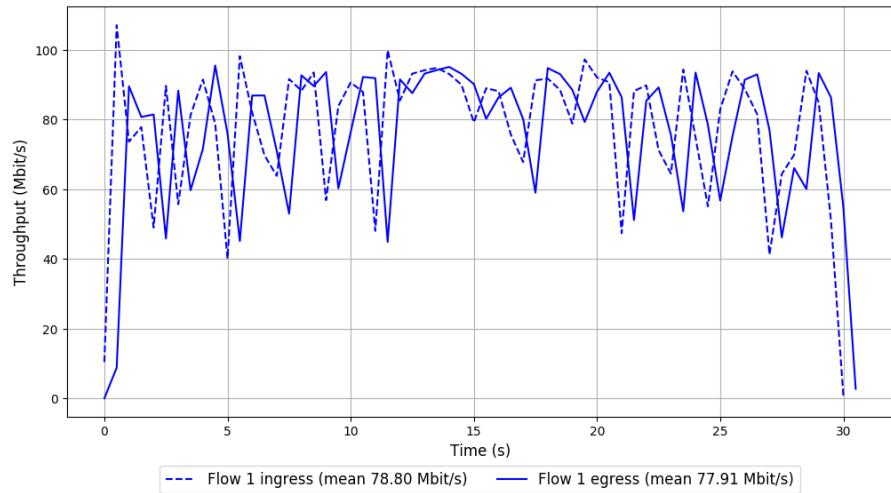


Run 10: Statistics of Copa

```
Start at: 2018-06-18 11:57:55
End at: 2018-06-18 11:58:25
Local clock offset: 0.156 ms
Remote clock offset: -2.007 ms

# Below is generated by plot.py at 2018-06-18 12:23:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.91 Mbit/s
95th percentile per-packet one-way delay: 49.391 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 77.91 Mbit/s
95th percentile per-packet one-way delay: 49.391 ms
Loss rate: 1.13%
```

Run 10: Report of Copa — Data Link

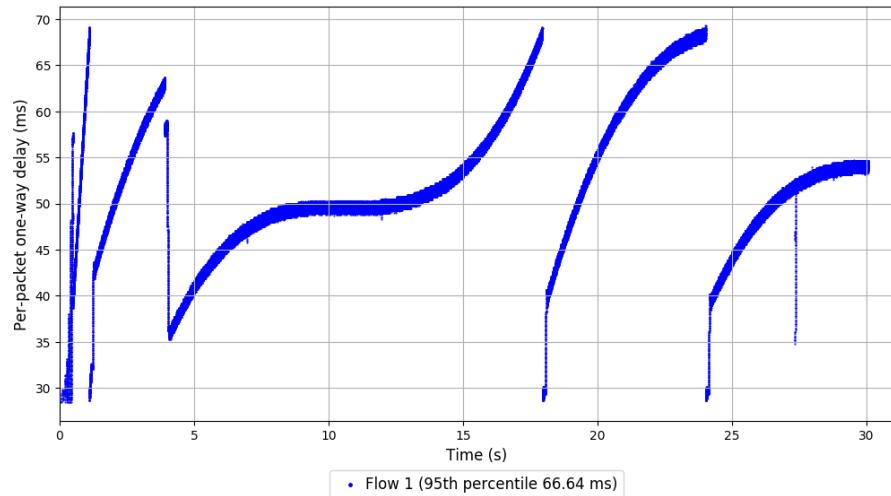
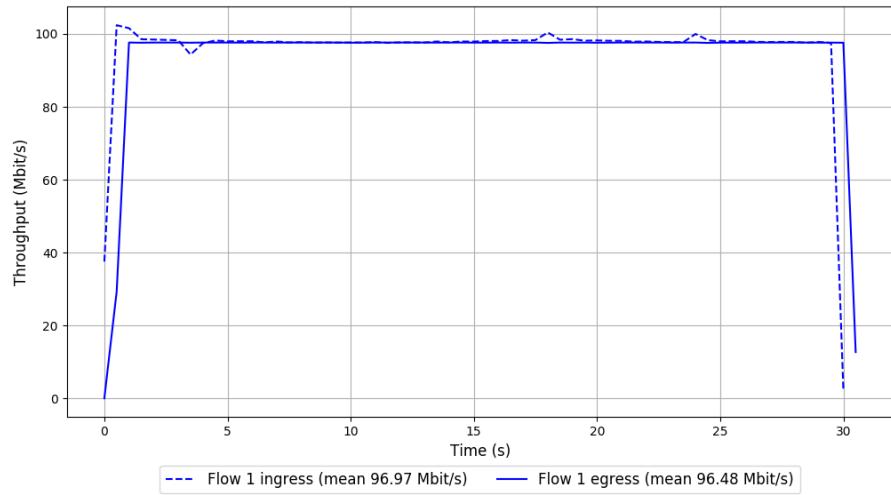


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-18 08:48:50
End at: 2018-06-18 08:49:20
Local clock offset: 1.408 ms
Remote clock offset: -3.64 ms

# Below is generated by plot.py at 2018-06-18 12:23:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 66.642 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 66.642 ms
Loss rate: 0.42%
```

Run 1: Report of TCP Cubic — Data Link

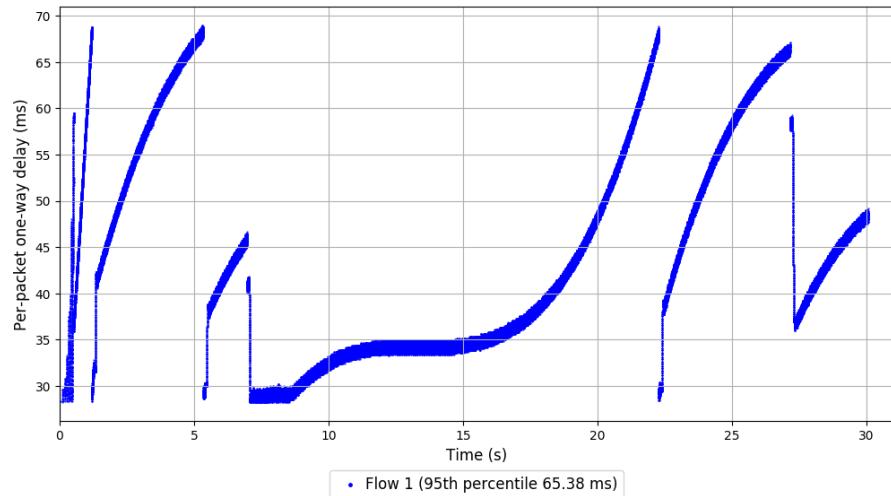
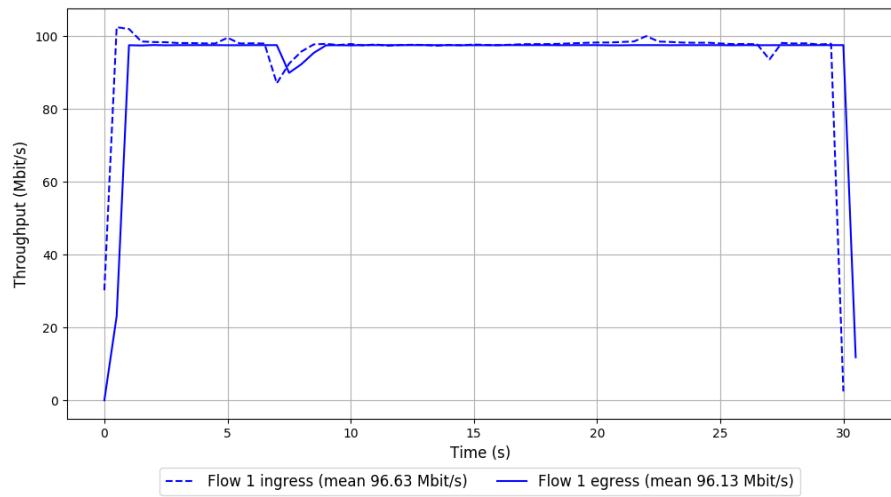


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-18 09:09:42
End at: 2018-06-18 09:10:12
Local clock offset: 1.149 ms
Remote clock offset: -3.213 ms

# Below is generated by plot.py at 2018-06-18 12:23:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 65.383 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 65.383 ms
Loss rate: 0.45%
```

Run 2: Report of TCP Cubic — Data Link

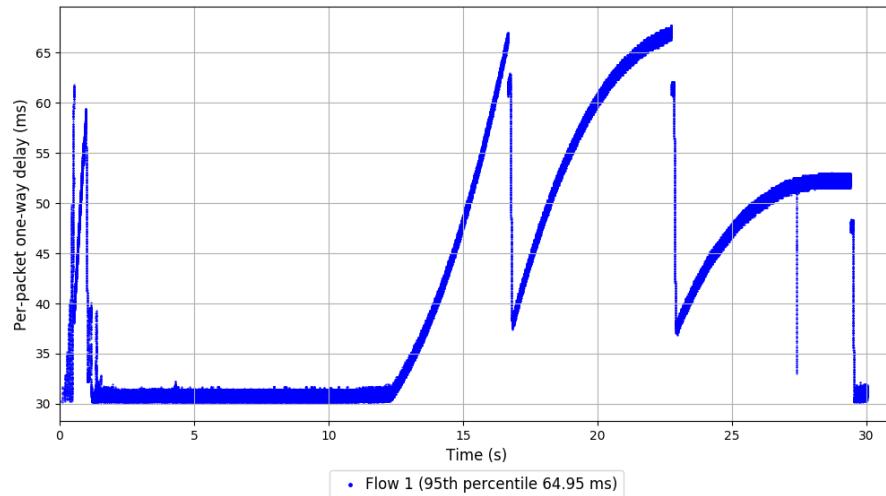
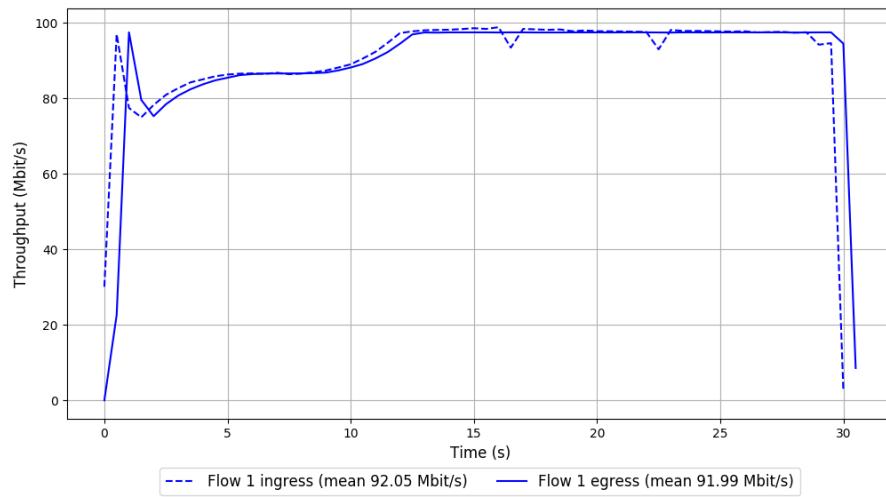


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2018-06-18 09:30:32
End at: 2018-06-18 09:31:02
Local clock offset: 0.643 ms
Remote clock offset: 2.463 ms

# Below is generated by plot.py at 2018-06-18 12:23:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 64.955 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 64.955 ms
Loss rate: 0.06%
```

Run 3: Report of TCP Cubic — Data Link

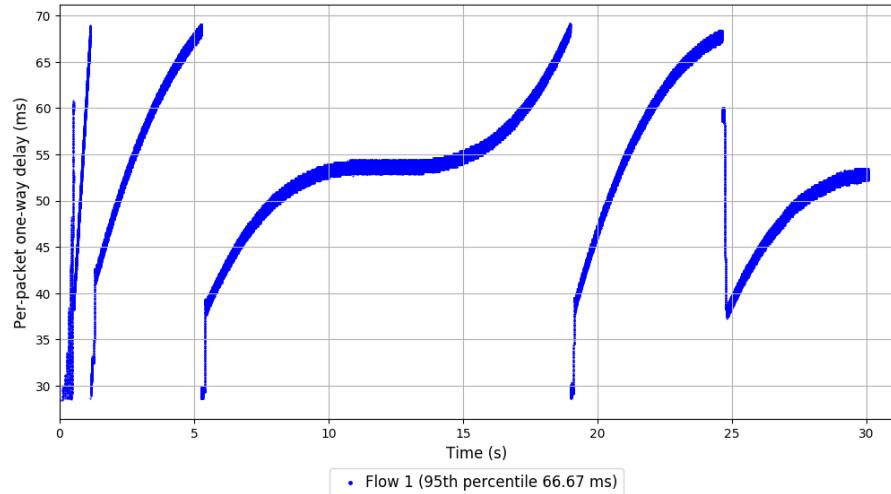
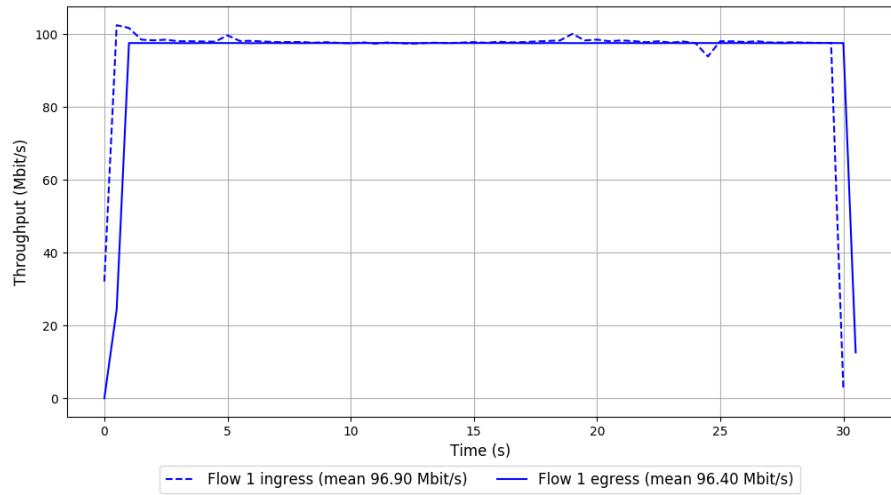


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-18 09:51:24
End at: 2018-06-18 09:51:54
Local clock offset: 0.527 ms
Remote clock offset: -1.47 ms

# Below is generated by plot.py at 2018-06-18 12:23:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 66.670 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 66.670 ms
Loss rate: 0.43%
```

Run 4: Report of TCP Cubic — Data Link

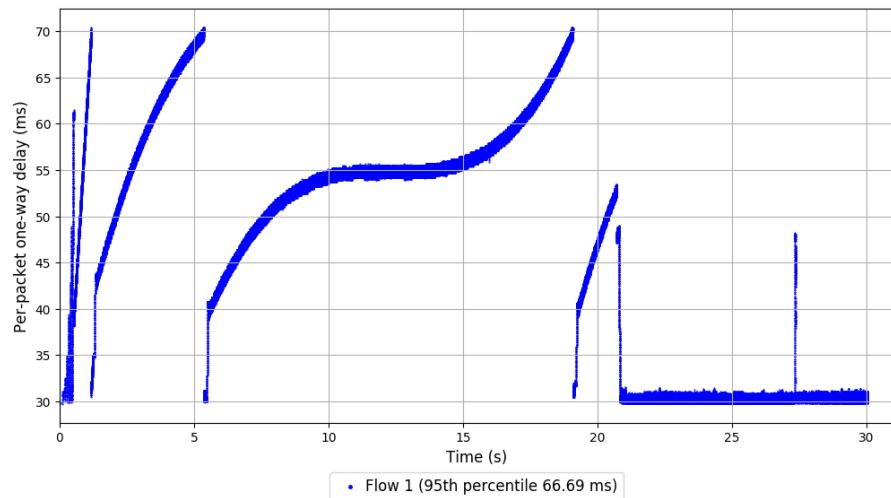
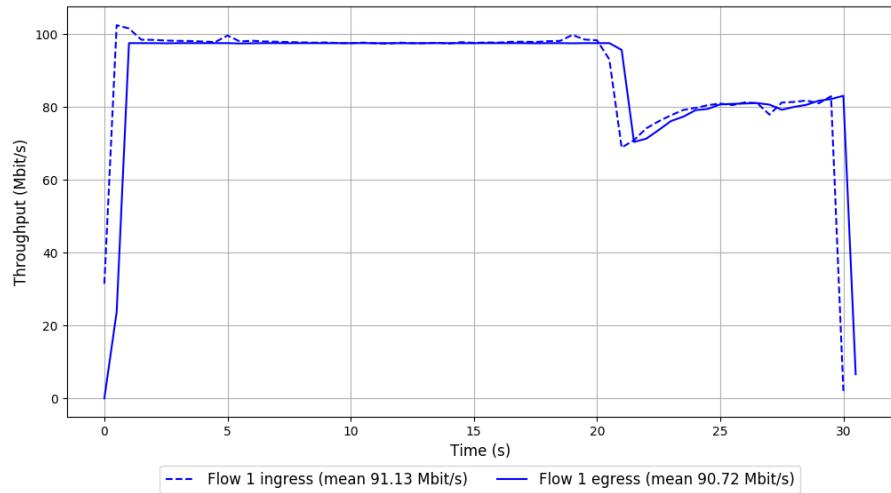


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-18 10:12:21
End at: 2018-06-18 10:12:51
Local clock offset: 0.485 ms
Remote clock offset: -0.619 ms

# Below is generated by plot.py at 2018-06-18 12:23:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.72 Mbit/s
95th percentile per-packet one-way delay: 66.688 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 90.72 Mbit/s
95th percentile per-packet one-way delay: 66.688 ms
Loss rate: 0.45%
```

Run 5: Report of TCP Cubic — Data Link

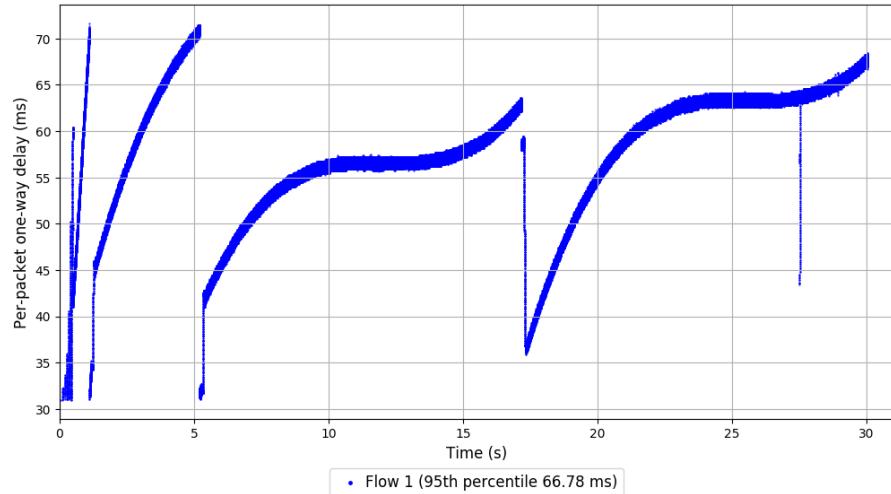
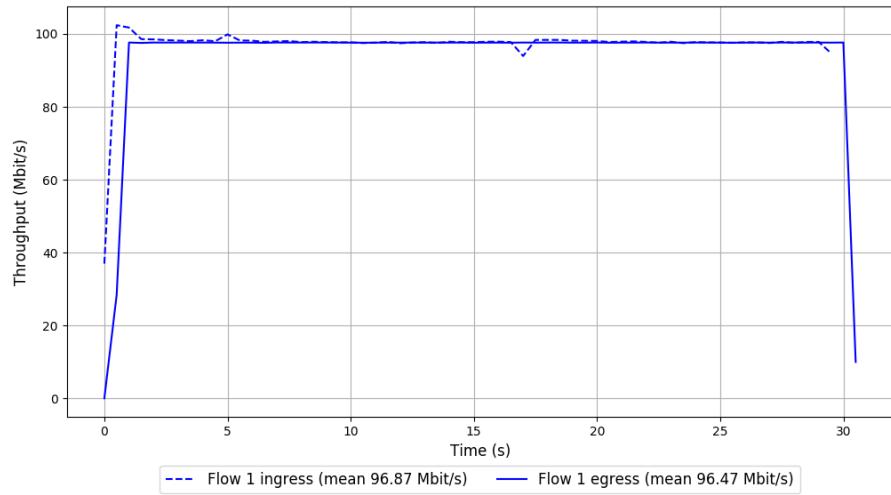


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-18 10:33:13
End at: 2018-06-18 10:33:43
Local clock offset: 0.664 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-06-18 12:23:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 66.777 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 66.777 ms
Loss rate: 0.29%
```

Run 6: Report of TCP Cubic — Data Link

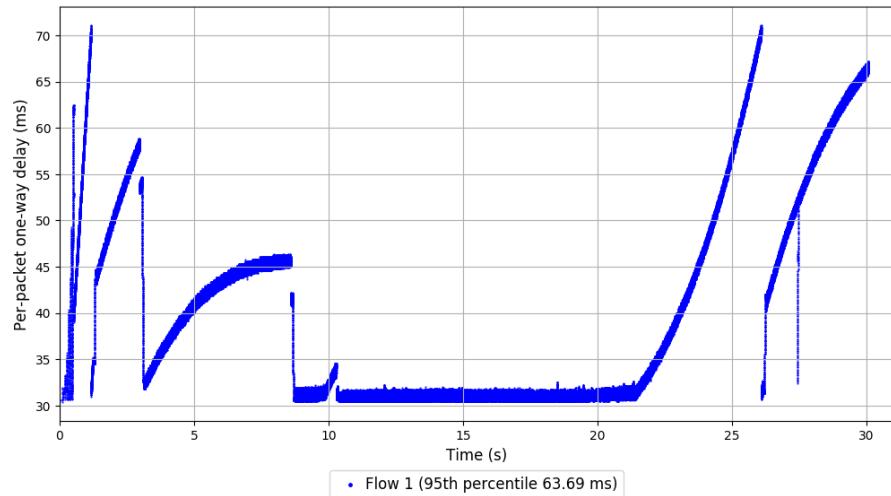
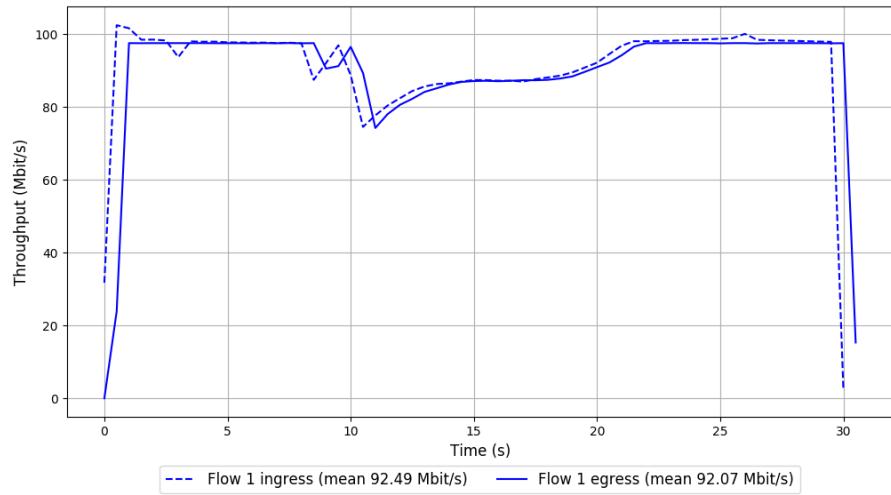


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-18 10:54:04
End at: 2018-06-18 10:54:34
Local clock offset: 0.409 ms
Remote clock offset: -0.941 ms

# Below is generated by plot.py at 2018-06-18 12:23:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 63.687 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 63.687 ms
Loss rate: 0.33%
```

Run 7: Report of TCP Cubic — Data Link

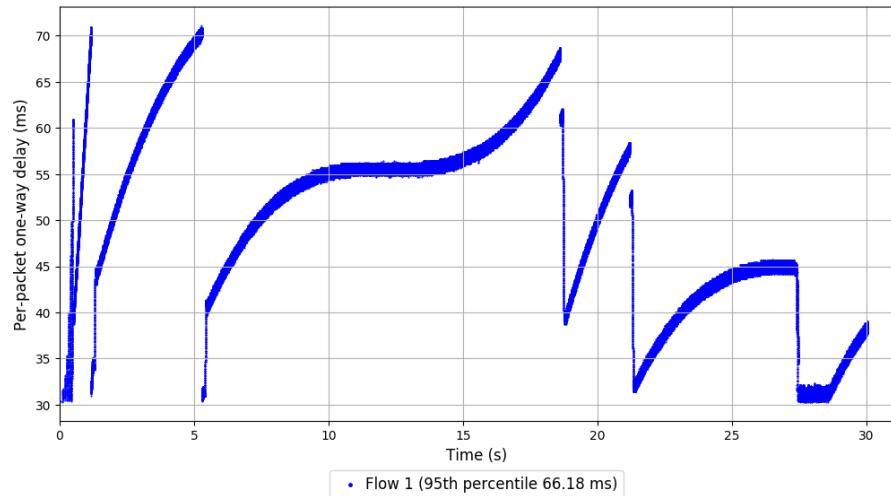
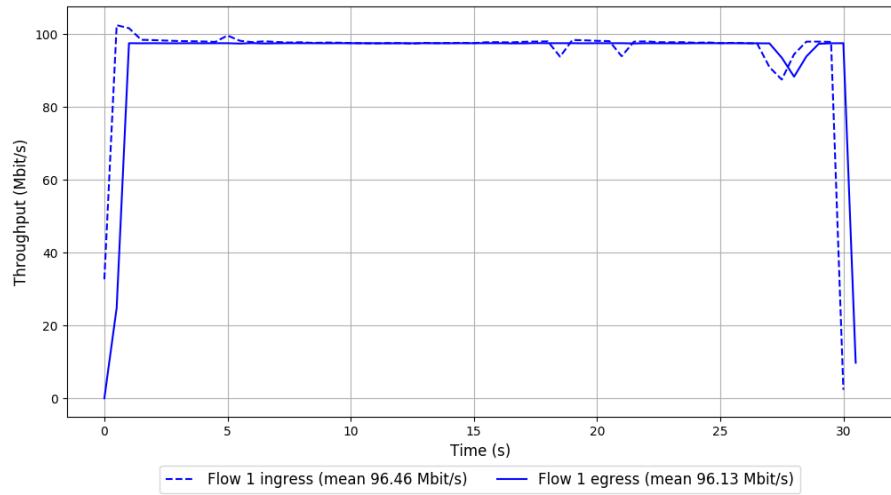


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-18 11:14:56
End at: 2018-06-18 11:15:26
Local clock offset: 0.324 ms
Remote clock offset: -1.343 ms

# Below is generated by plot.py at 2018-06-18 12:23:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 66.179 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 66.179 ms
Loss rate: 0.32%
```

Run 8: Report of TCP Cubic — Data Link

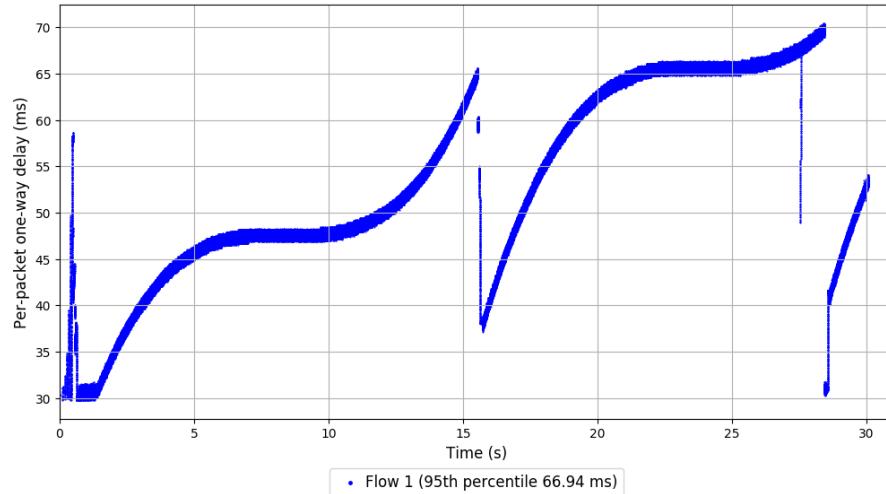
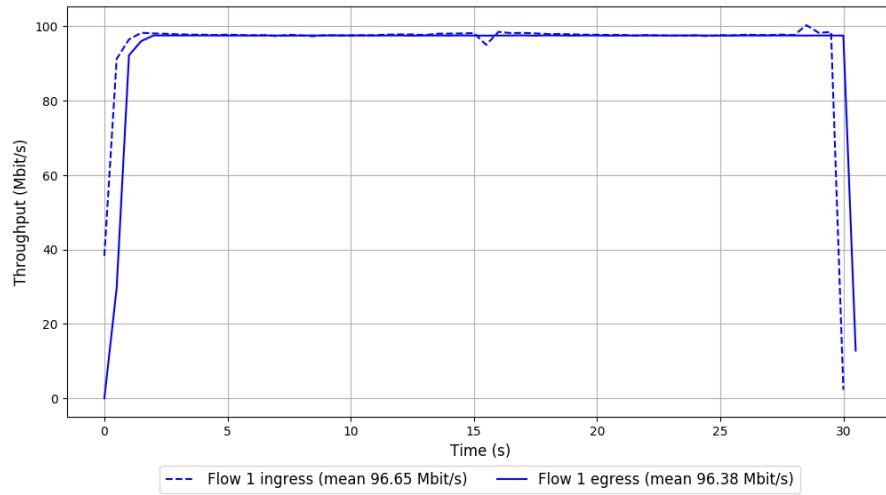


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-18 11:35:46
End at: 2018-06-18 11:36:16
Local clock offset: 0.449 ms
Remote clock offset: -1.019 ms

# Below is generated by plot.py at 2018-06-18 12:23:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 66.935 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 66.935 ms
Loss rate: 0.20%
```

Run 9: Report of TCP Cubic — Data Link

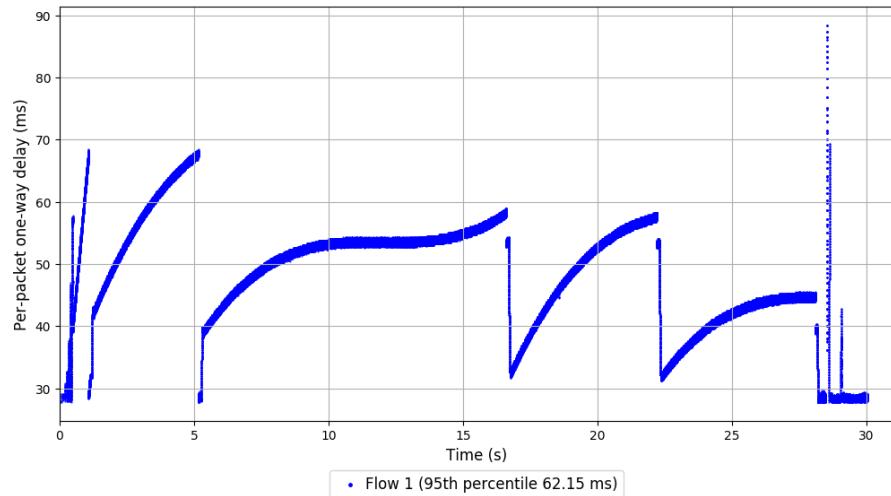
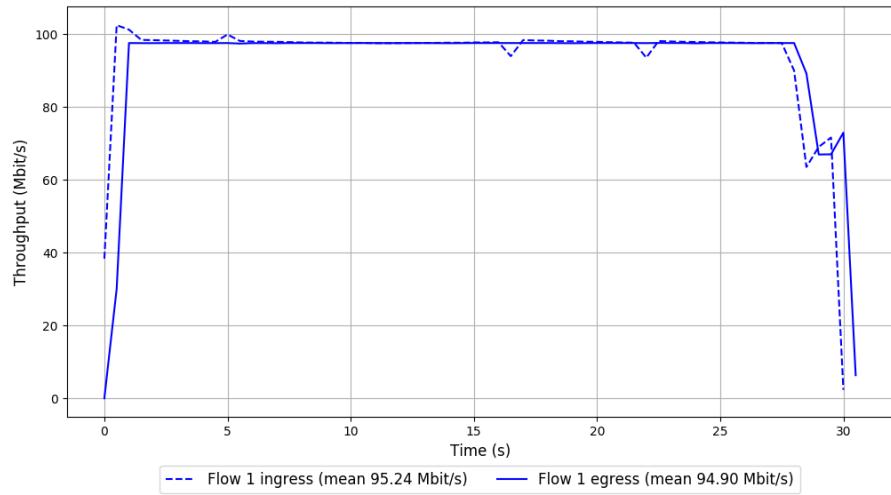


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-18 11:56:37
End at: 2018-06-18 11:57:07
Local clock offset: 0.068 ms
Remote clock offset: -3.955 ms

# Below is generated by plot.py at 2018-06-18 12:23:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 62.148 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 62.148 ms
Loss rate: 0.36%
```

Run 10: Report of TCP Cubic — Data Link

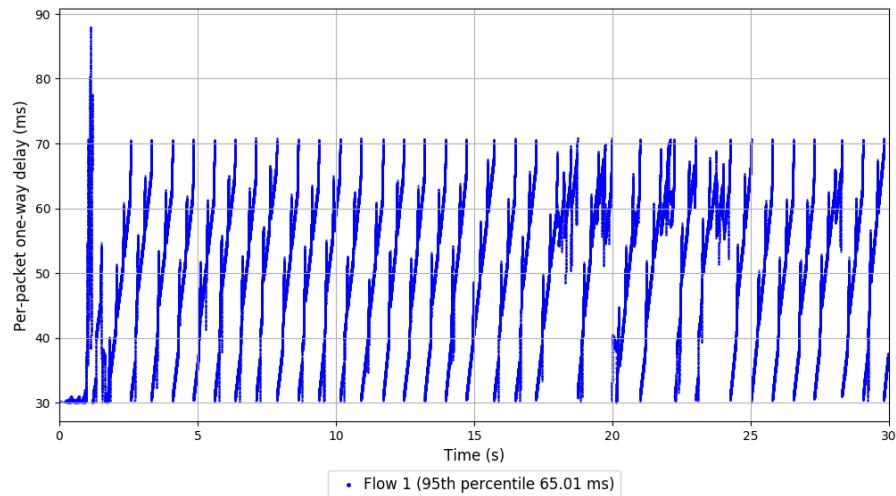
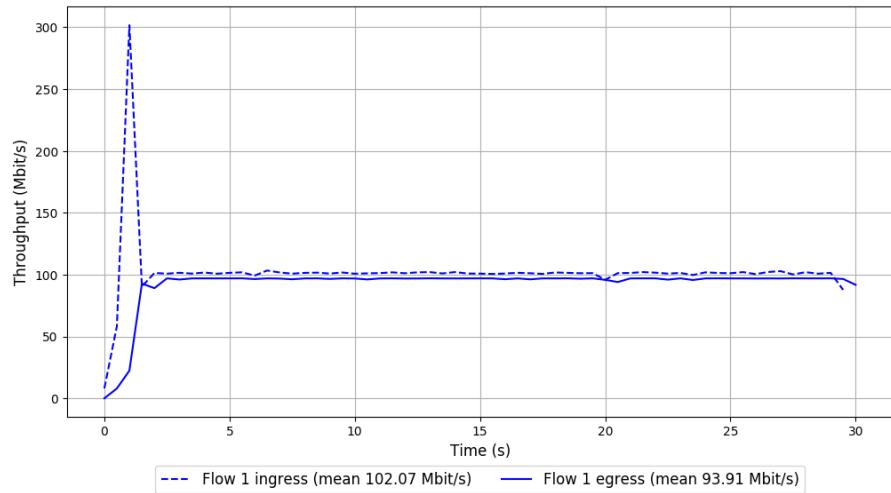


```
Run 1: Statistics of FillP

Start at: 2018-06-18 09:00:31
End at: 2018-06-18 09:01:01
Local clock offset: 1.726 ms
Remote clock offset: -1.413 ms

# Below is generated by plot.py at 2018-06-18 12:24:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 65.010 ms
Loss rate: 7.97%
-- Flow 1:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 65.010 ms
Loss rate: 7.97%
```

Run 1: Report of FillP — Data Link

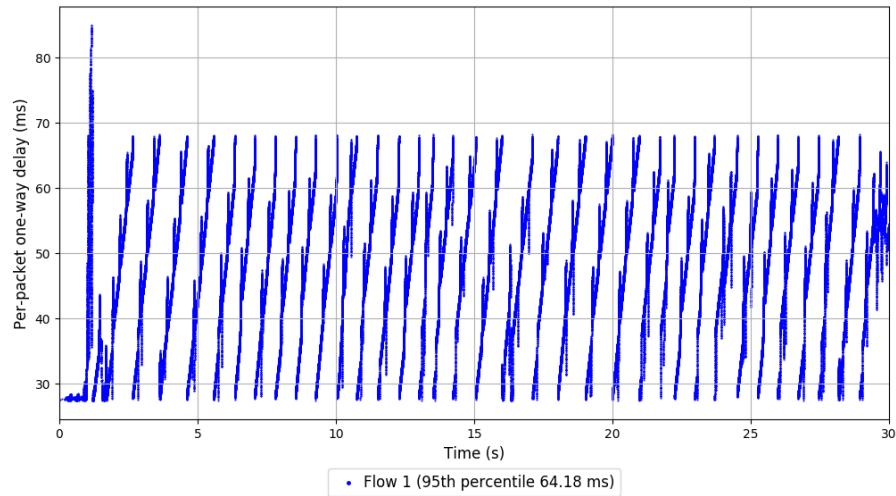
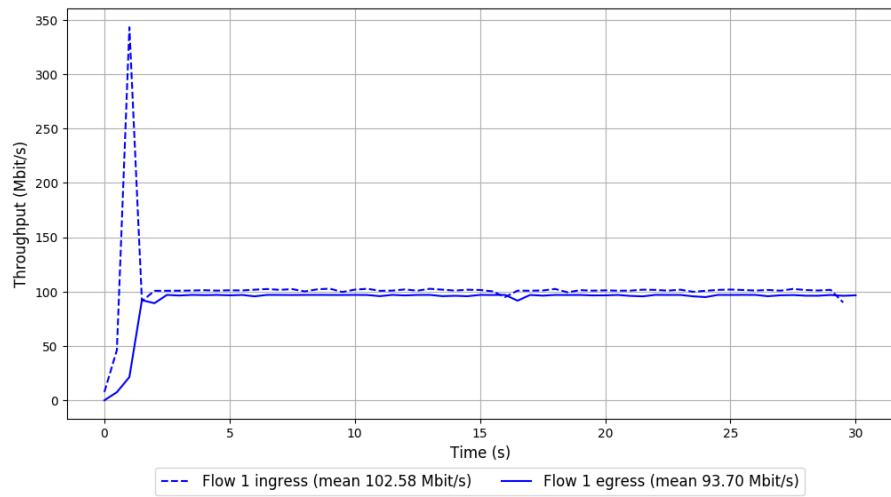


Run 2: Statistics of FillP

```
Start at: 2018-06-18 09:21:25
End at: 2018-06-18 09:21:55
Local clock offset: 0.641 ms
Remote clock offset: -0.851 ms

# Below is generated by plot.py at 2018-06-18 12:24:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 64.180 ms
Loss rate: 8.58%
-- Flow 1:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 64.180 ms
Loss rate: 8.58%
```

Run 2: Report of FillP — Data Link

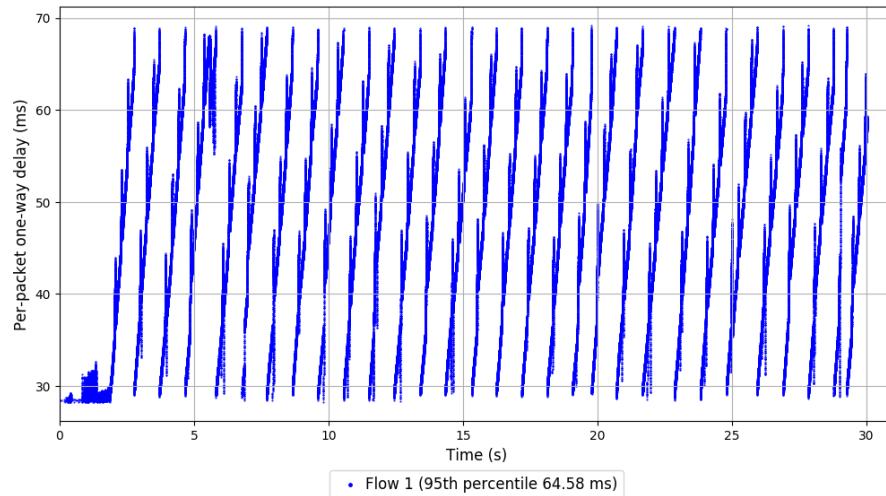
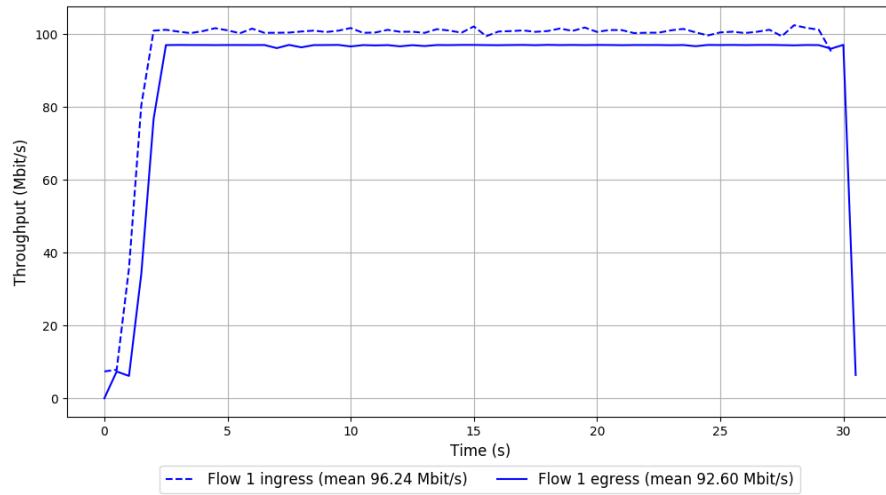


Run 3: Statistics of FillP

```
Start at: 2018-06-18 09:42:17
End at: 2018-06-18 09:42:47
Local clock offset: 0.531 ms
Remote clock offset: 0.322 ms

# Below is generated by plot.py at 2018-06-18 12:25:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 64.585 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 64.585 ms
Loss rate: 3.69%
```

Run 3: Report of FillP — Data Link

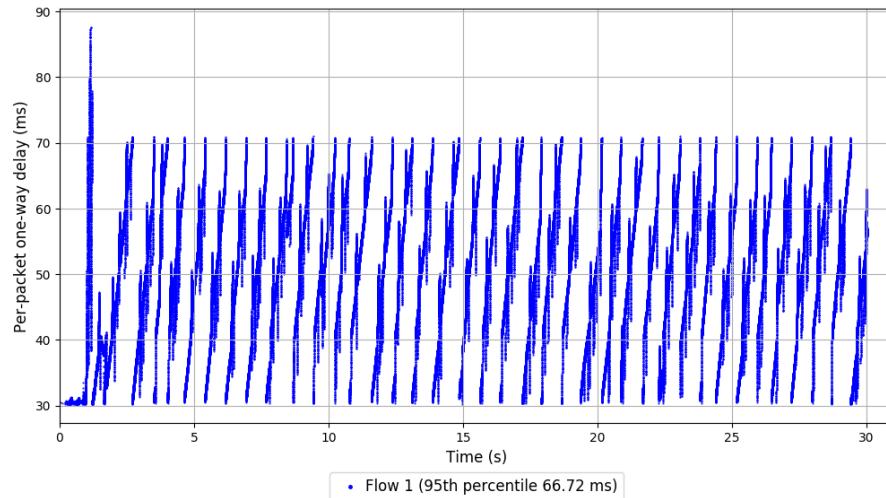
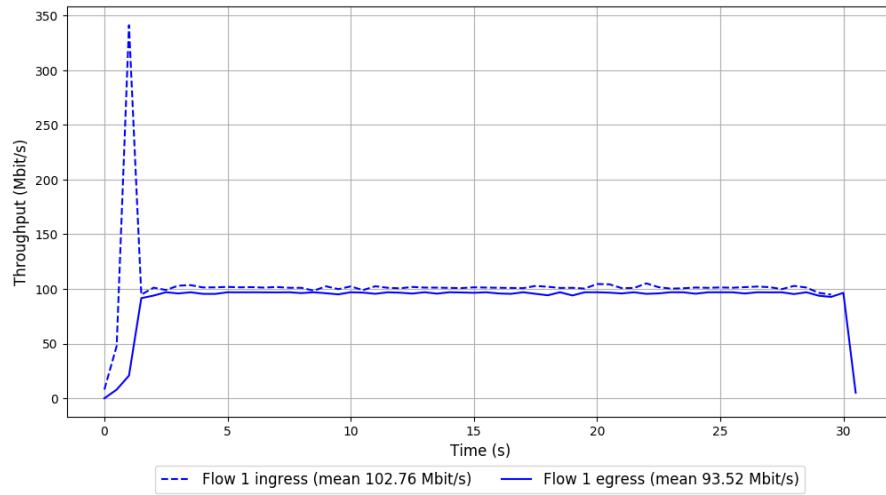


Run 4: Statistics of FillP

```
Start at: 2018-06-18 10:03:10
End at: 2018-06-18 10:03:40
Local clock offset: 0.554 ms
Remote clock offset: 0.214 ms

# Below is generated by plot.py at 2018-06-18 12:25:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 66.716 ms
Loss rate: 8.91%
-- Flow 1:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 66.716 ms
Loss rate: 8.91%
```

Run 4: Report of FillP — Data Link

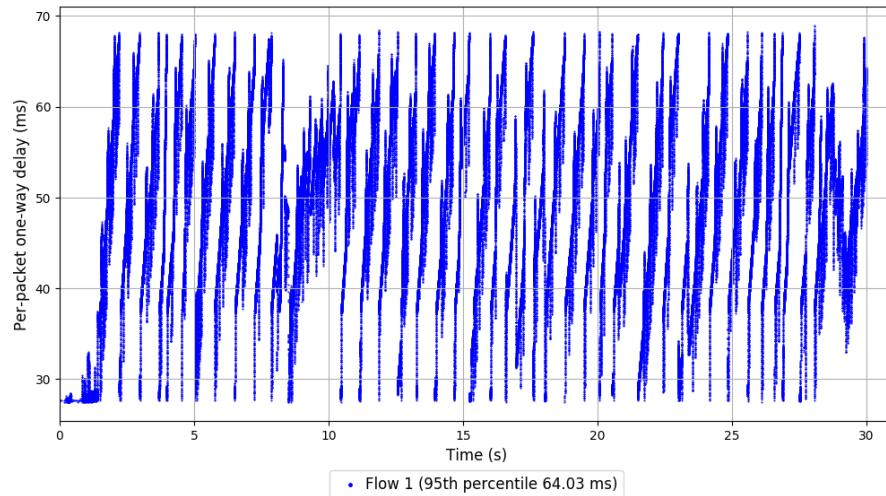
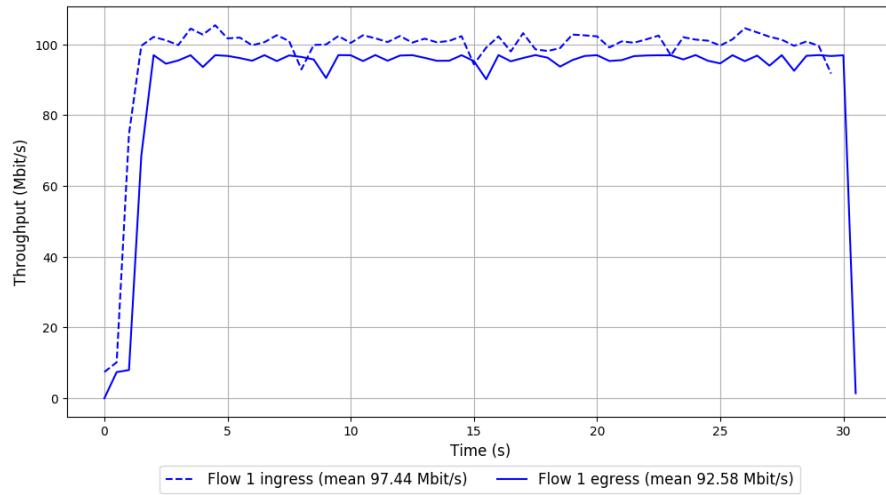


Run 5: Statistics of FillP

```
Start at: 2018-06-18 10:24:06
End at: 2018-06-18 10:24:36
Local clock offset: 0.597 ms
Remote clock offset: -2.614 ms

# Below is generated by plot.py at 2018-06-18 12:25:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.58 Mbit/s
95th percentile per-packet one-way delay: 64.028 ms
Loss rate: 4.87%
-- Flow 1:
Average throughput: 92.58 Mbit/s
95th percentile per-packet one-way delay: 64.028 ms
Loss rate: 4.87%
```

Run 5: Report of FillP — Data Link

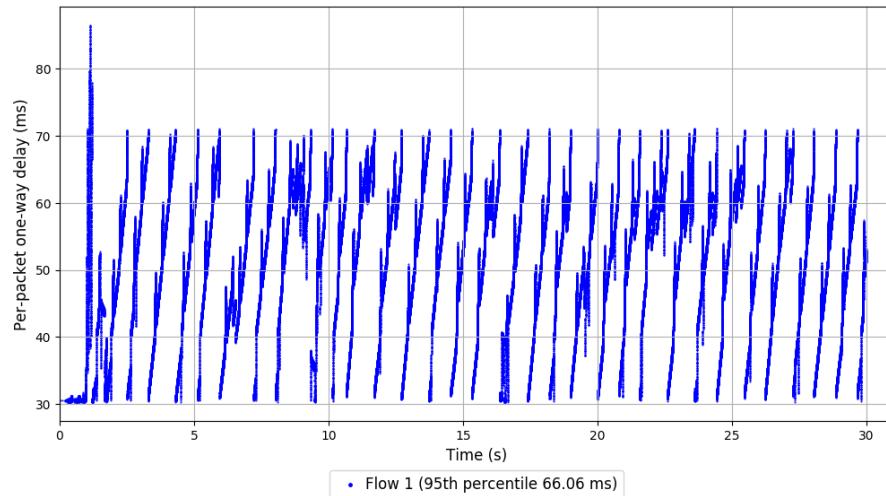
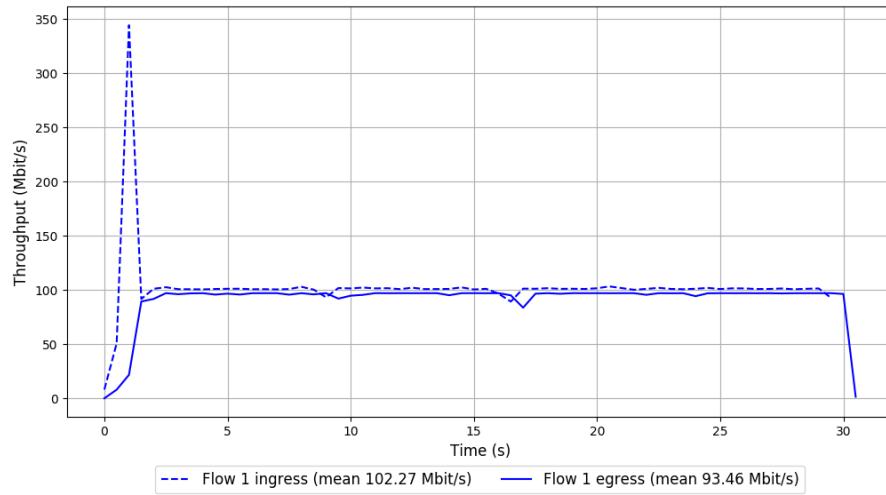


Run 6: Statistics of FillP

```
Start at: 2018-06-18 10:44:54
End at: 2018-06-18 10:45:24
Local clock offset: 0.339 ms
Remote clock offset: -0.563 ms

# Below is generated by plot.py at 2018-06-18 12:25:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 66.064 ms
Loss rate: 8.54%
-- Flow 1:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 66.064 ms
Loss rate: 8.54%
```

Run 6: Report of FillP — Data Link

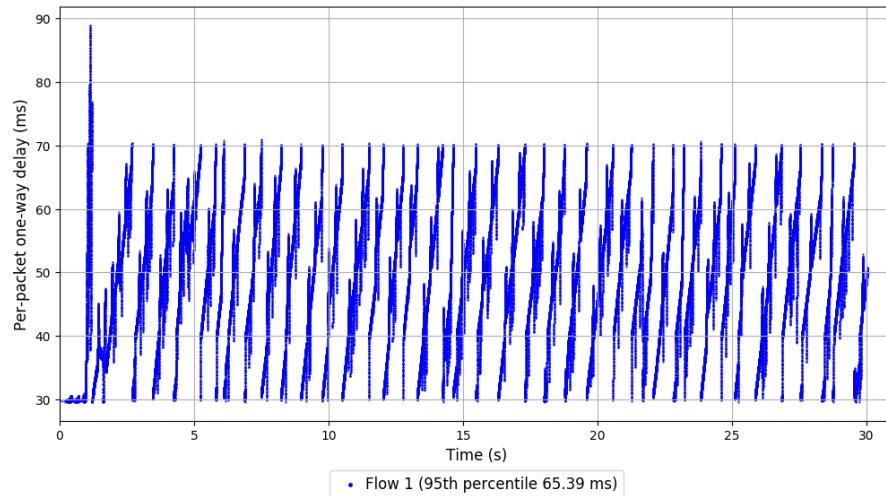
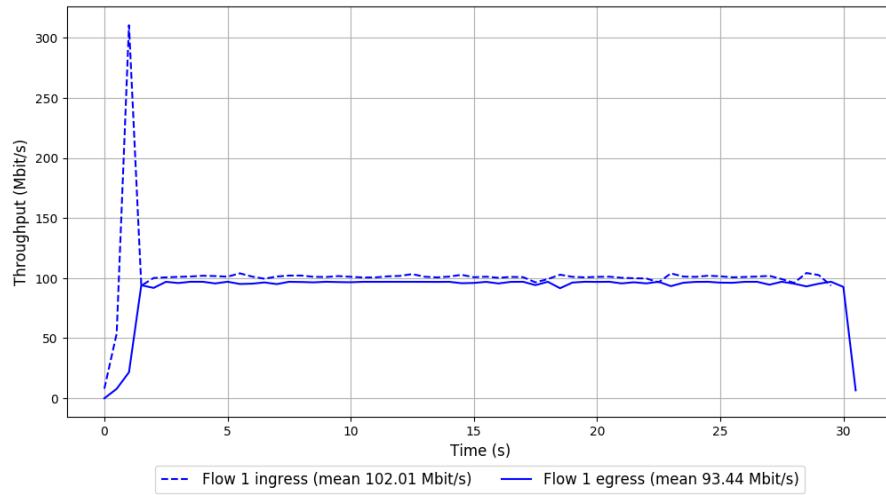


Run 7: Statistics of FillP

```
Start at: 2018-06-18 11:05:48
End at: 2018-06-18 11:06:18
Local clock offset: 0.421 ms
Remote clock offset: -1.487 ms

# Below is generated by plot.py at 2018-06-18 12:25:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 65.391 ms
Loss rate: 8.33%
-- Flow 1:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 65.391 ms
Loss rate: 8.33%
```

Run 7: Report of FillP — Data Link

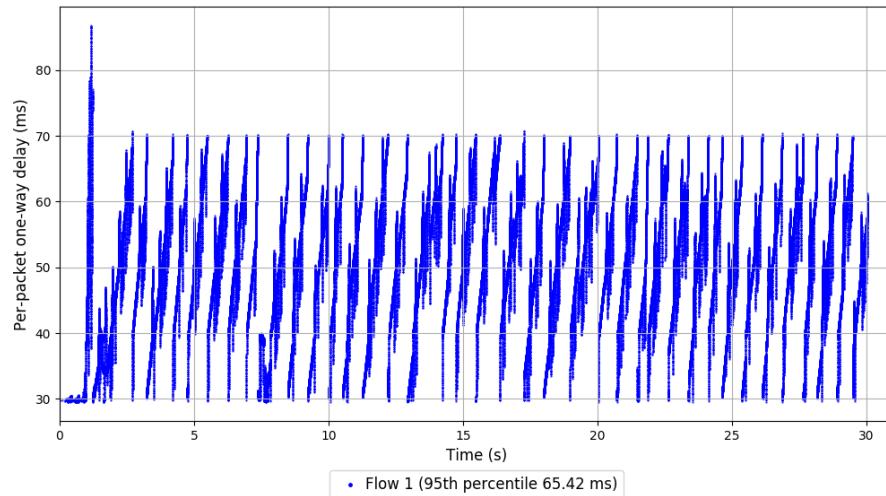
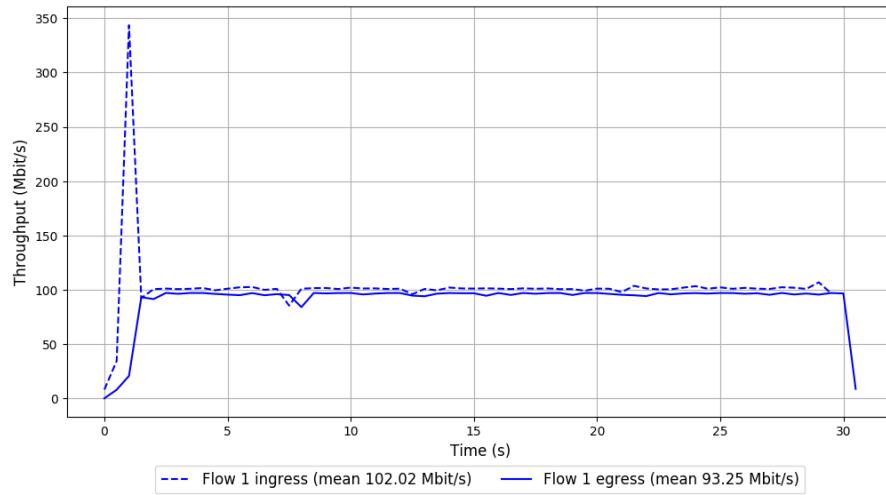


Run 8: Statistics of FillP

```
Start at: 2018-06-18 11:26:39
End at: 2018-06-18 11:27:09
Local clock offset: 0.448 ms
Remote clock offset: -1.652 ms

# Below is generated by plot.py at 2018-06-18 12:25:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 65.421 ms
Loss rate: 8.49%
-- Flow 1:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 65.421 ms
Loss rate: 8.49%
```

Run 8: Report of FillP — Data Link

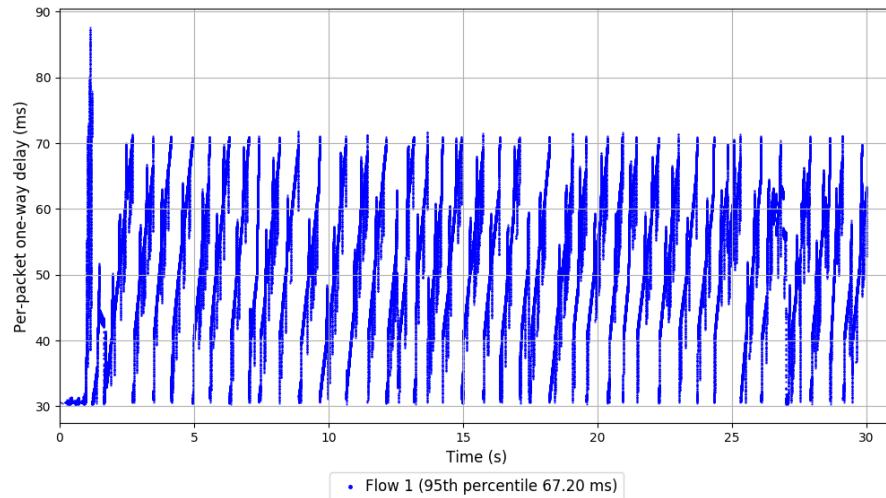
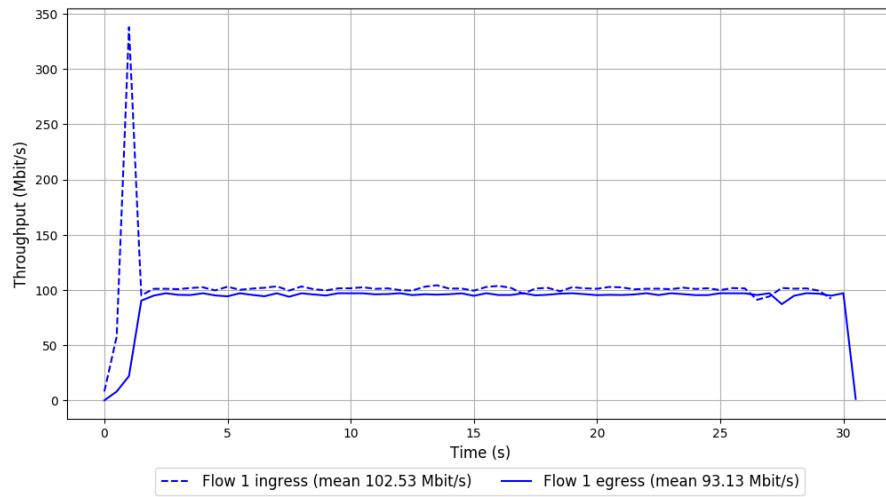


Run 9: Statistics of FillP

```
Start at: 2018-06-18 11:47:28
End at: 2018-06-18 11:47:58
Local clock offset: 0.155 ms
Remote clock offset: -1.355 ms

# Below is generated by plot.py at 2018-06-18 12:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 67.201 ms
Loss rate: 9.07%
-- Flow 1:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 67.201 ms
Loss rate: 9.07%
```

Run 9: Report of FillP — Data Link

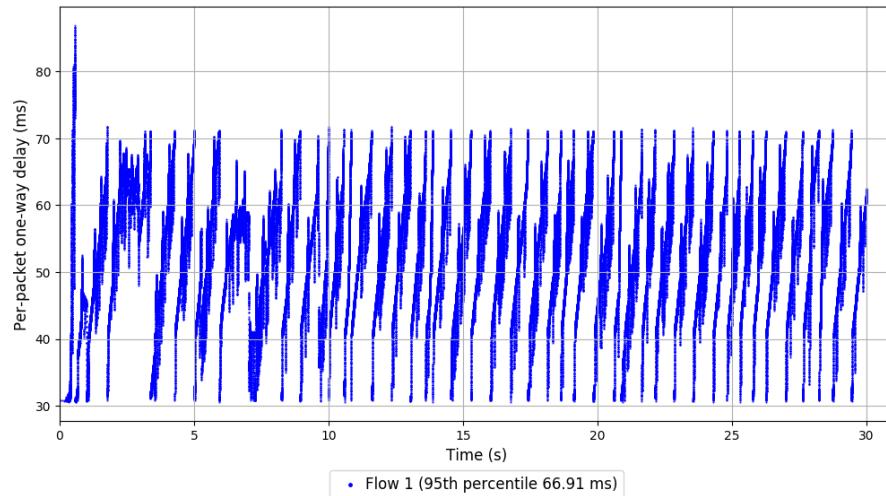
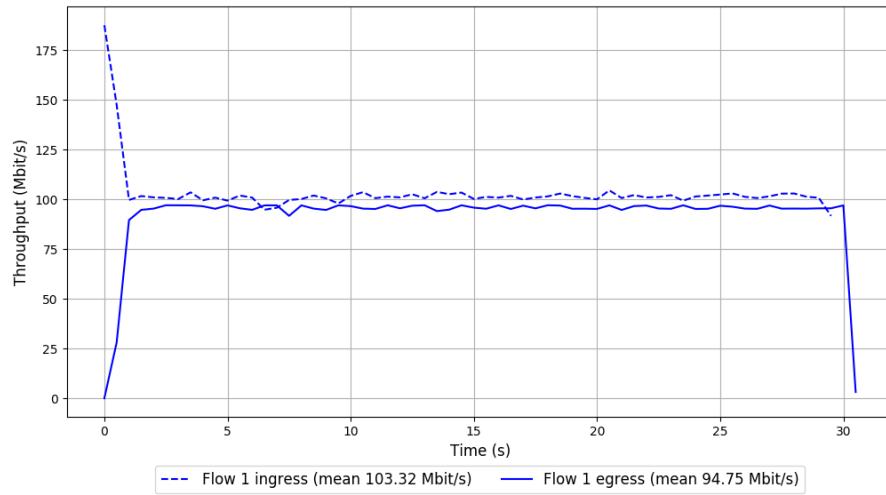


Run 10: Statistics of FillP

```
Start at: 2018-06-18 12:08:19
End at: 2018-06-18 12:08:49
Local clock offset: -0.74 ms
Remote clock offset: -0.347 ms

# Below is generated by plot.py at 2018-06-18 12:26:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 66.909 ms
Loss rate: 8.20%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 66.909 ms
Loss rate: 8.20%
```

Run 10: Report of FillP — Data Link

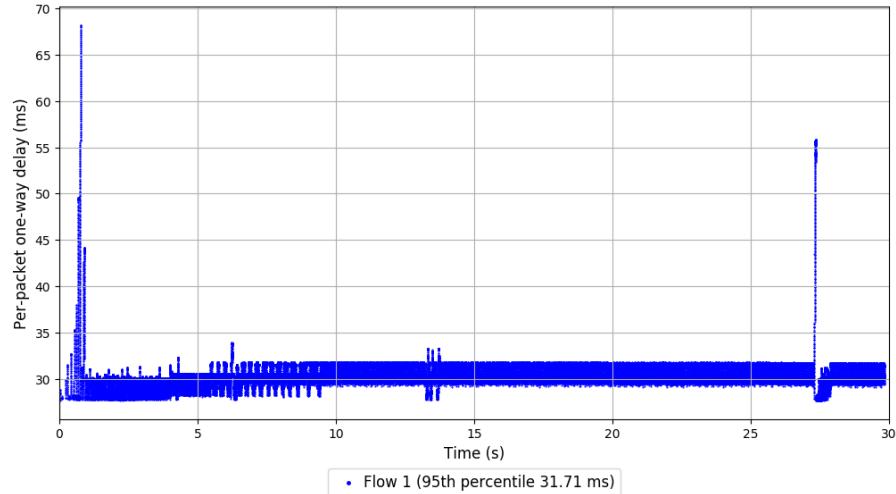
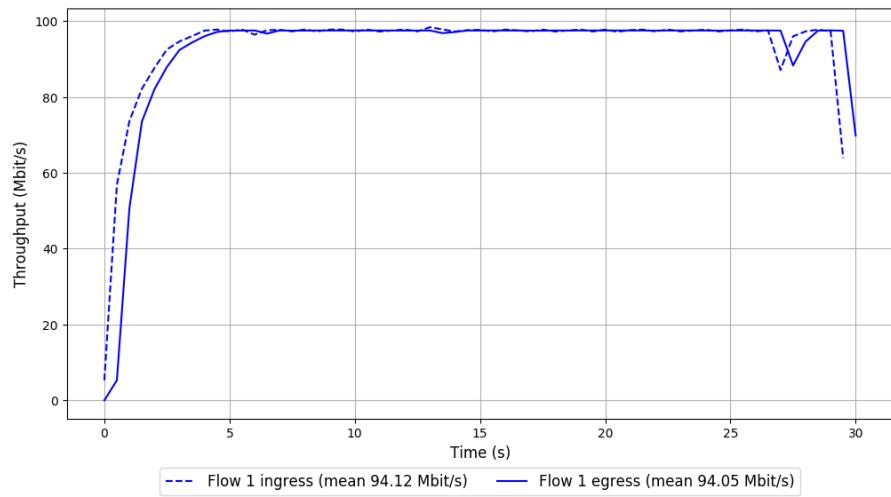


Run 1: Statistics of Indigo

```
Start at: 2018-06-18 09:07:03
End at: 2018-06-18 09:07:33
Local clock offset: 1.35 ms
Remote clock offset: -4.041 ms

# Below is generated by plot.py at 2018-06-18 12:26:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 31.710 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 31.710 ms
Loss rate: 0.06%
```

Run 1: Report of Indigo — Data Link

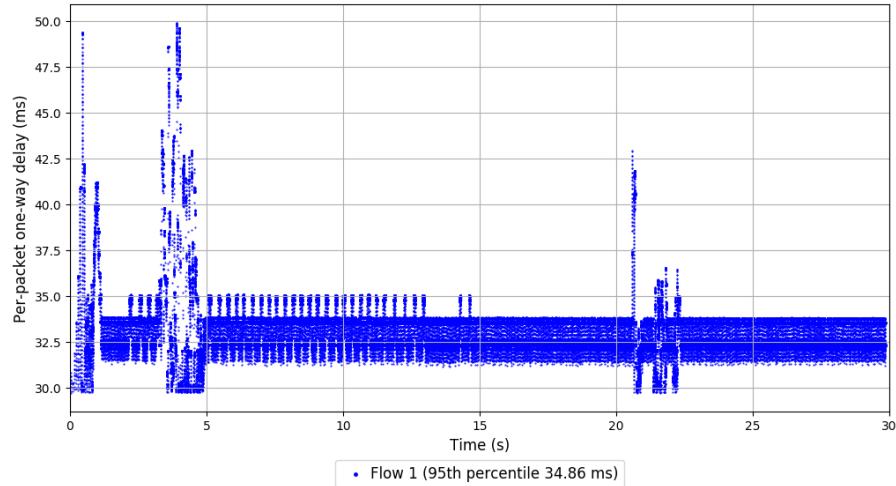
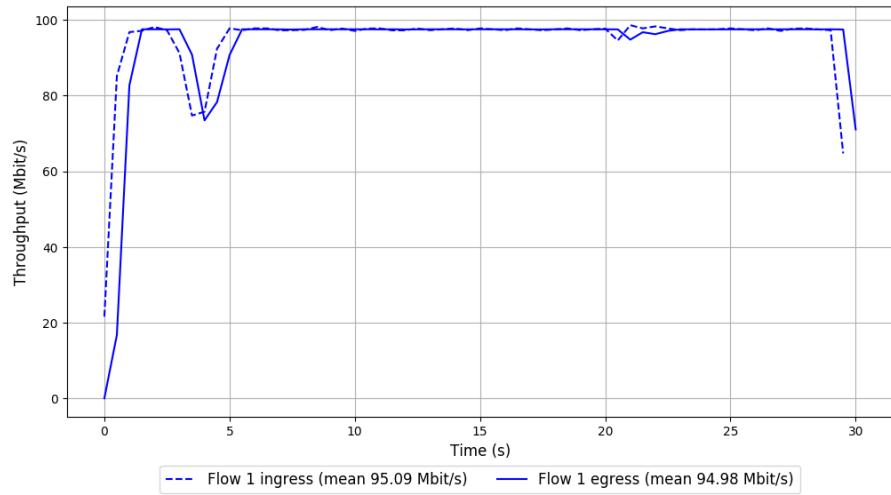


Run 2: Statistics of Indigo

```
Start at: 2018-06-18 09:27:55
End at: 2018-06-18 09:28:25
Local clock offset: 0.608 ms
Remote clock offset: 1.894 ms

# Below is generated by plot.py at 2018-06-18 12:26:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 34.862 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 34.862 ms
Loss rate: 0.10%
```

Run 2: Report of Indigo — Data Link

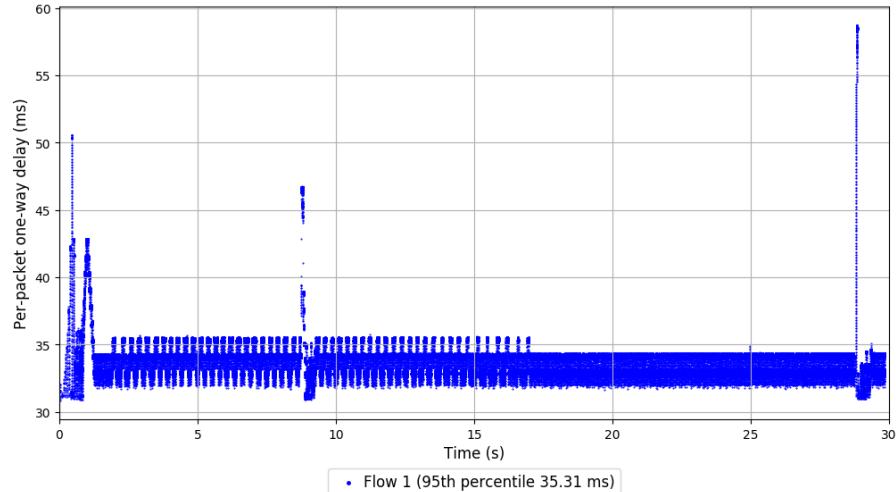
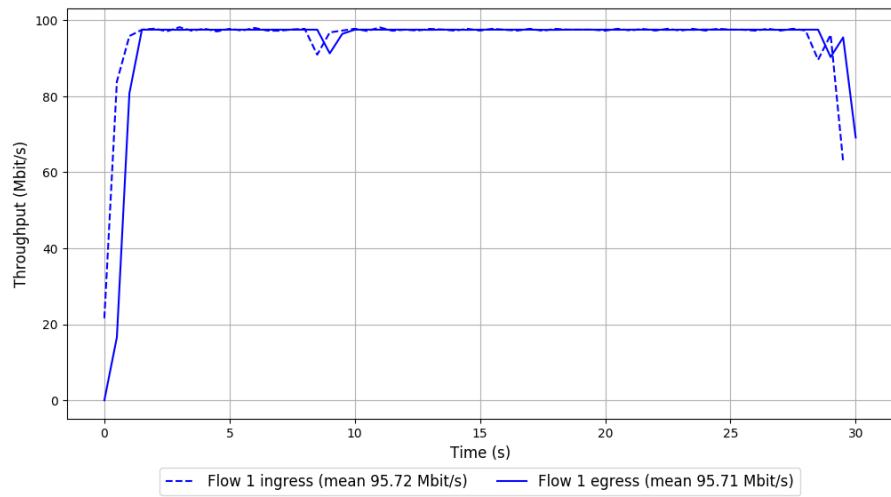


Run 3: Statistics of Indigo

```
Start at: 2018-06-18 09:48:46
End at: 2018-06-18 09:49:16
Local clock offset: 0.53 ms
Remote clock offset: 1.363 ms

# Below is generated by plot.py at 2018-06-18 12:26:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 35.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 35.313 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

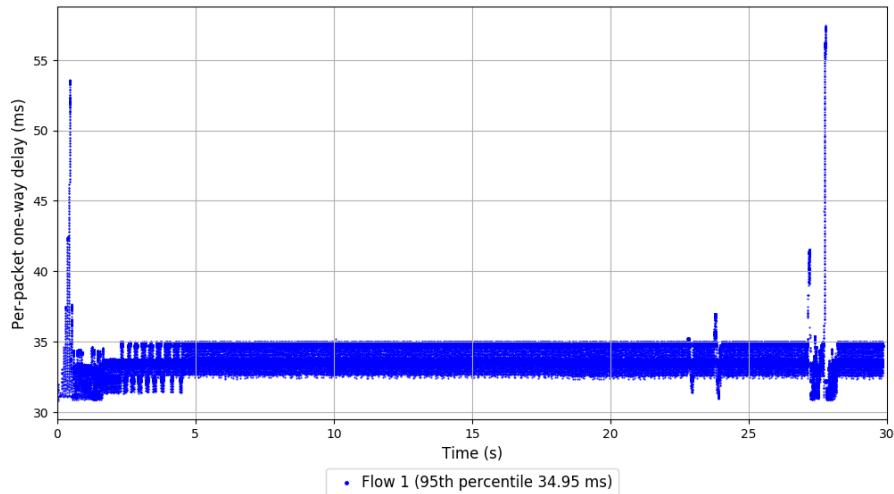
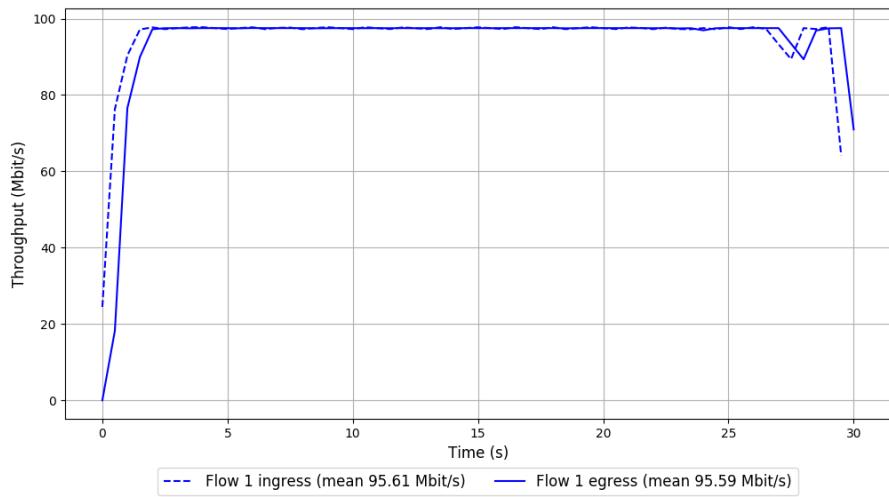


Run 4: Statistics of Indigo

```
Start at: 2018-06-18 10:09:42
End at: 2018-06-18 10:10:12
Local clock offset: 0.588 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-06-18 12:26:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 34.946 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 34.946 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link

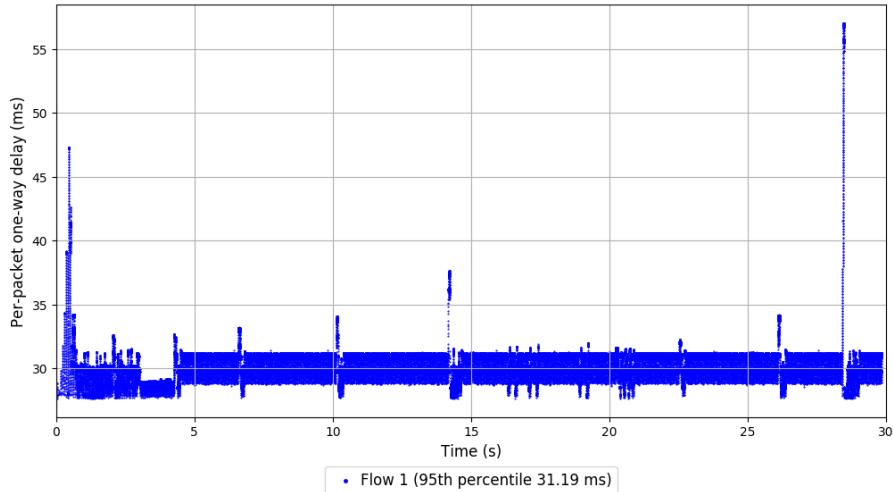
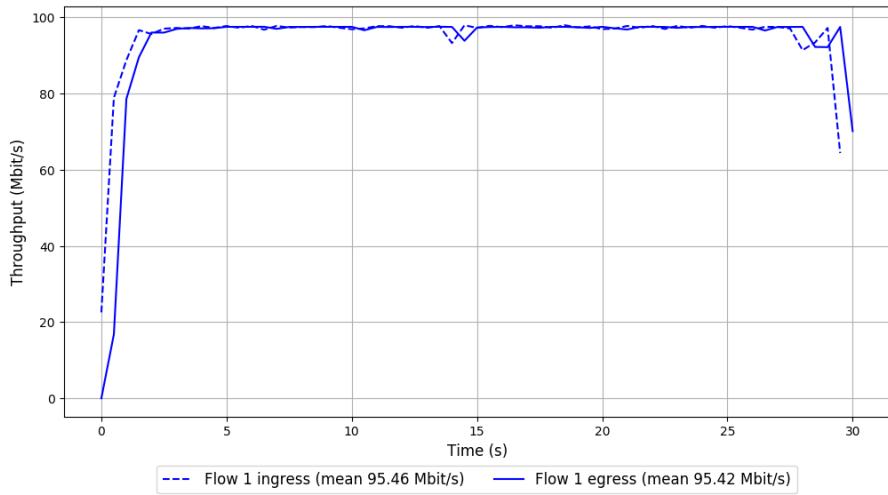


Run 5: Statistics of Indigo

```
Start at: 2018-06-18 10:30:35
End at: 2018-06-18 10:31:05
Local clock offset: 0.643 ms
Remote clock offset: -2.511 ms

# Below is generated by plot.py at 2018-06-18 12:26:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 31.193 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 31.193 ms
Loss rate: 0.03%
```

Run 5: Report of Indigo — Data Link

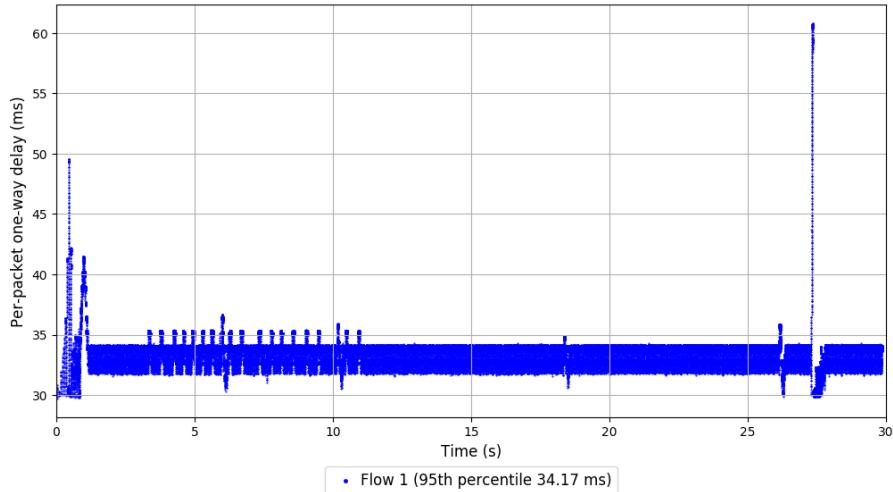
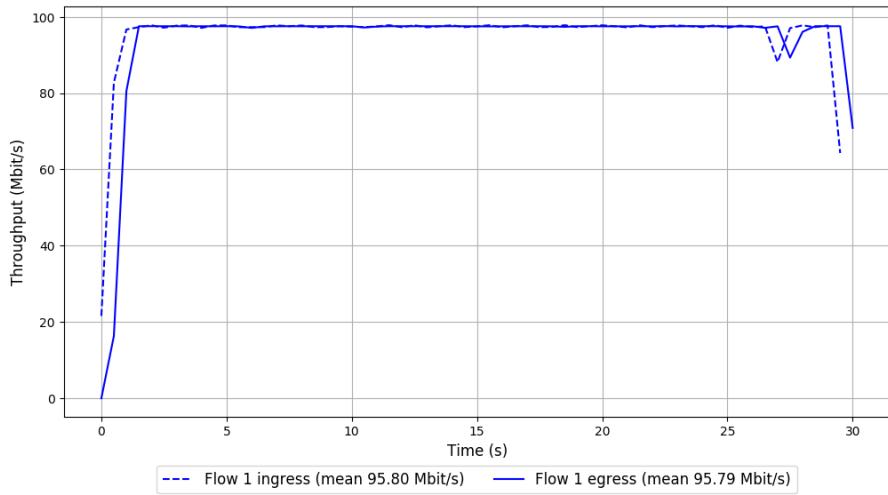


Run 6: Statistics of Indigo

```
Start at: 2018-06-18 10:51:26
End at: 2018-06-18 10:51:56
Local clock offset: 0.408 ms
Remote clock offset: -0.668 ms

# Below is generated by plot.py at 2018-06-18 12:26:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 34.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 34.167 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

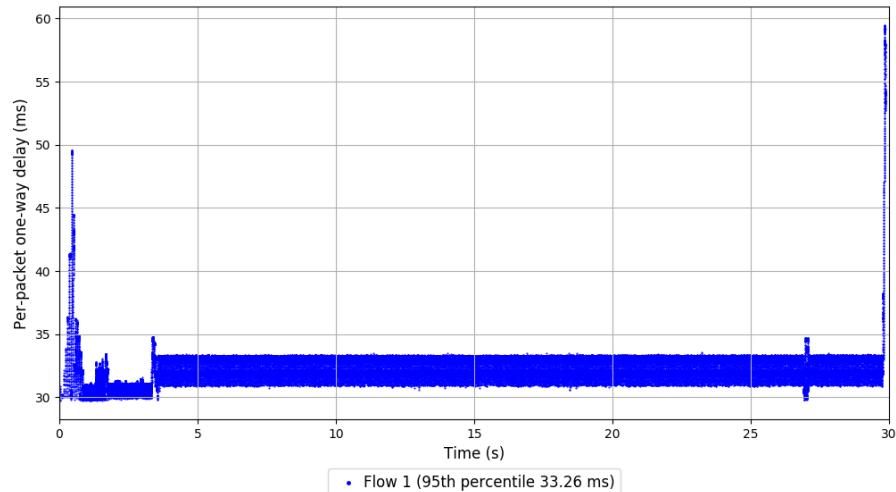
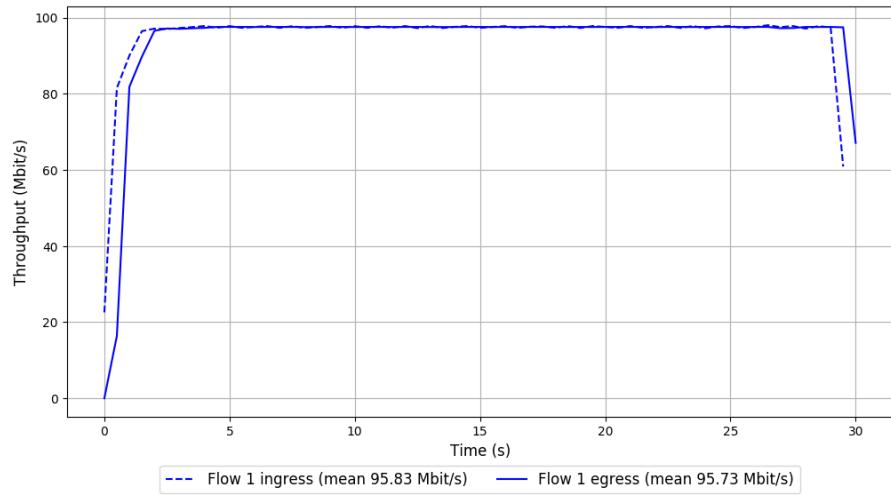


Run 7: Statistics of Indigo

```
Start at: 2018-06-18 11:12:18
End at: 2018-06-18 11:12:48
Local clock offset: 0.424 ms
Remote clock offset: -1.694 ms

# Below is generated by plot.py at 2018-06-18 12:27:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 33.260 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 33.260 ms
Loss rate: 0.02%
```

Run 7: Report of Indigo — Data Link

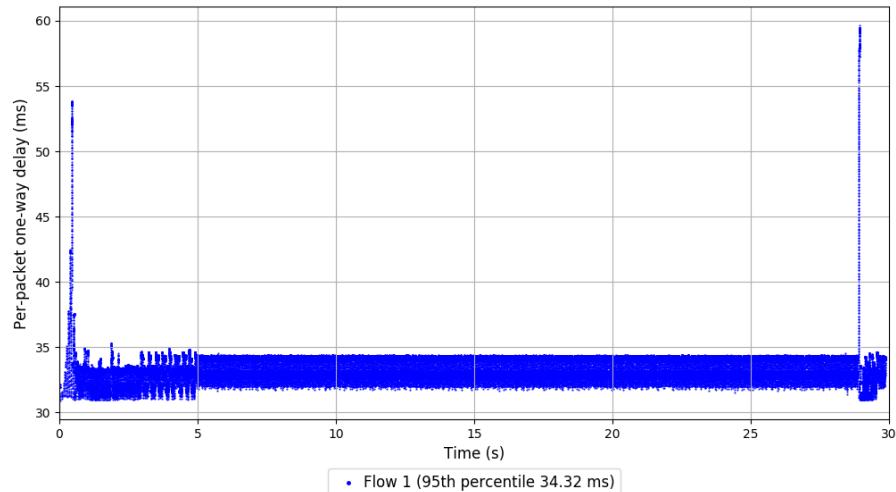
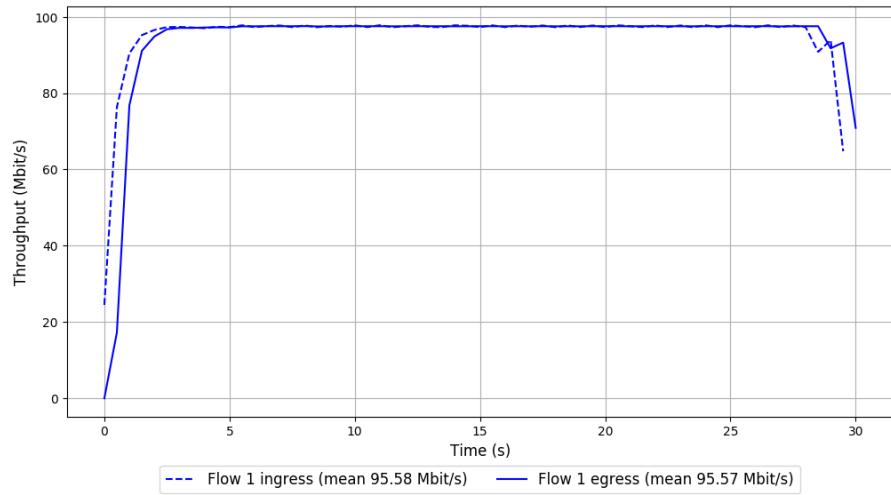


Run 8: Statistics of Indigo

```
Start at: 2018-06-18 11:33:08
End at: 2018-06-18 11:33:38
Local clock offset: 0.404 ms
Remote clock offset: -0.614 ms

# Below is generated by plot.py at 2018-06-18 12:27:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 34.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 34.317 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

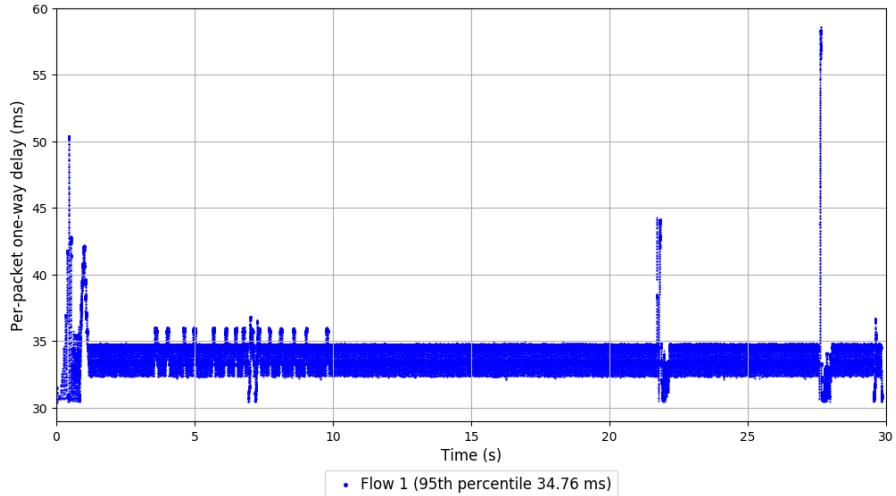
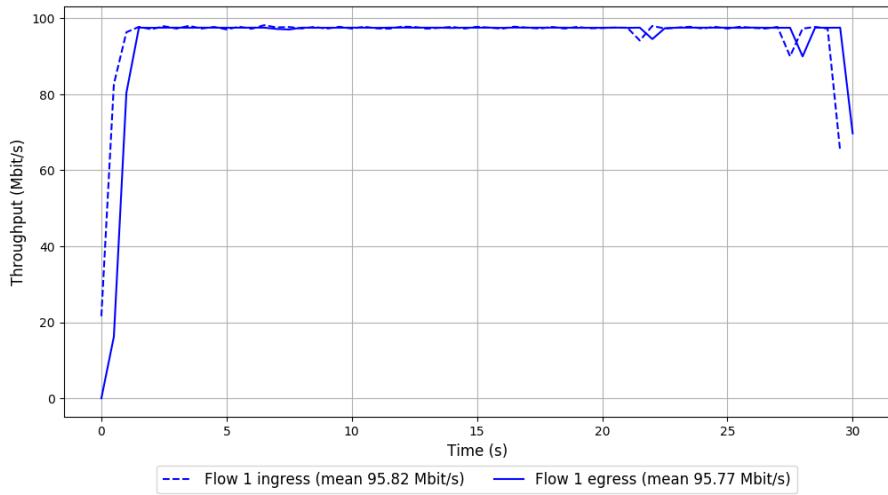


Run 9: Statistics of Indigo

```
Start at: 2018-06-18 11:53:59
End at: 2018-06-18 11:54:29
Local clock offset: 0.157 ms
Remote clock offset: -1.721 ms

# Below is generated by plot.py at 2018-06-18 12:27:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 34.763 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 34.763 ms
Loss rate: 0.06%
```

Run 9: Report of Indigo — Data Link

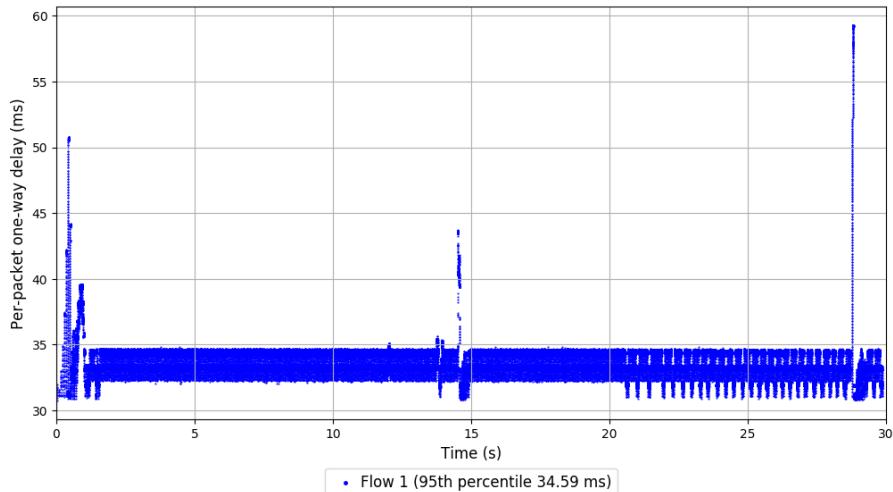
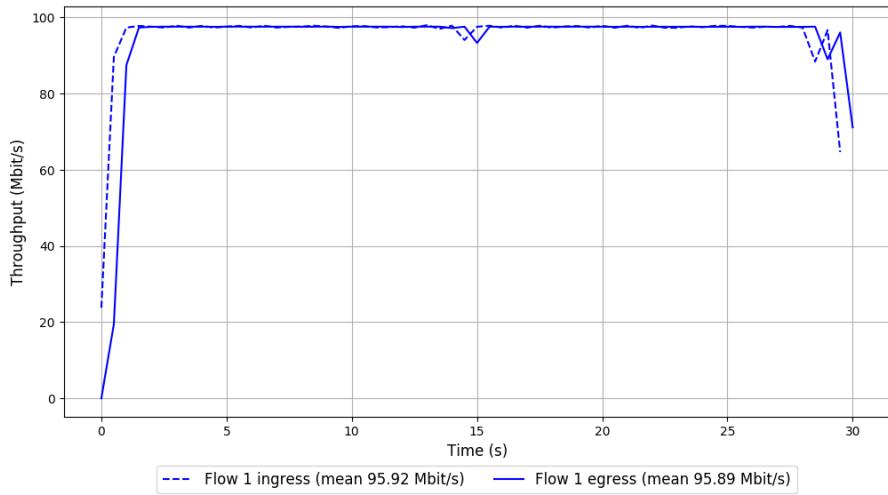


Run 10: Statistics of Indigo

```
Start at: 2018-06-18 12:14:50
End at: 2018-06-18 12:15:20
Local clock offset: -1.525 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-06-18 12:27:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 34.587 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 34.587 ms
Loss rate: 0.02%
```

Run 10: Report of Indigo — Data Link

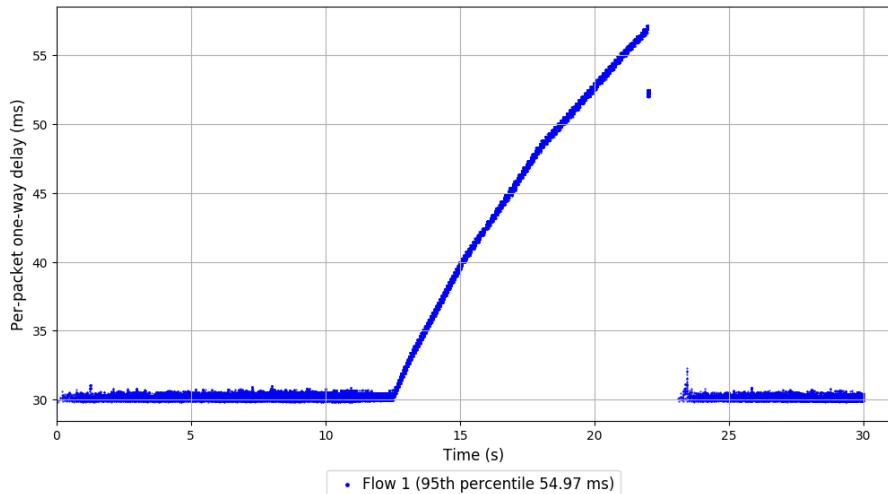
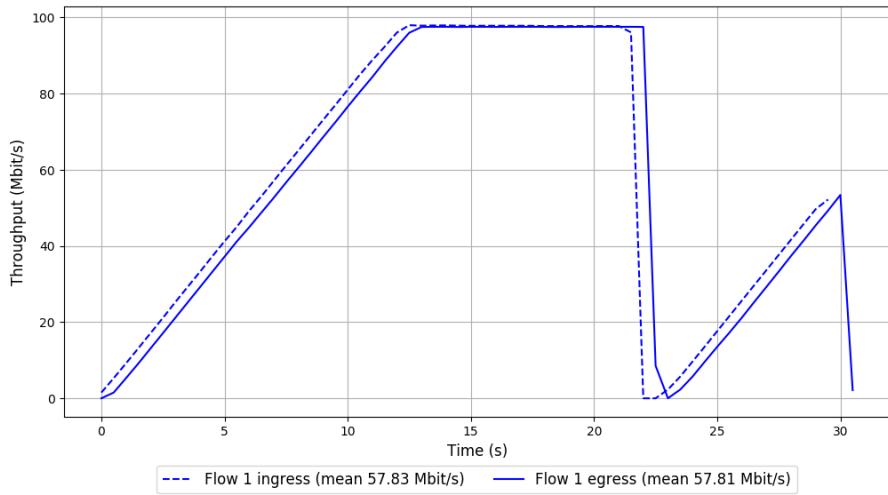


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-06-18 08:56:39
End at: 2018-06-18 08:57:09
Local clock offset: 1.523 ms
Remote clock offset: -1.777 ms

# Below is generated by plot.py at 2018-06-18 12:27:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 54.965 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 54.965 ms
Loss rate: 0.03%
```

Run 1: Report of LEDBAT — Data Link

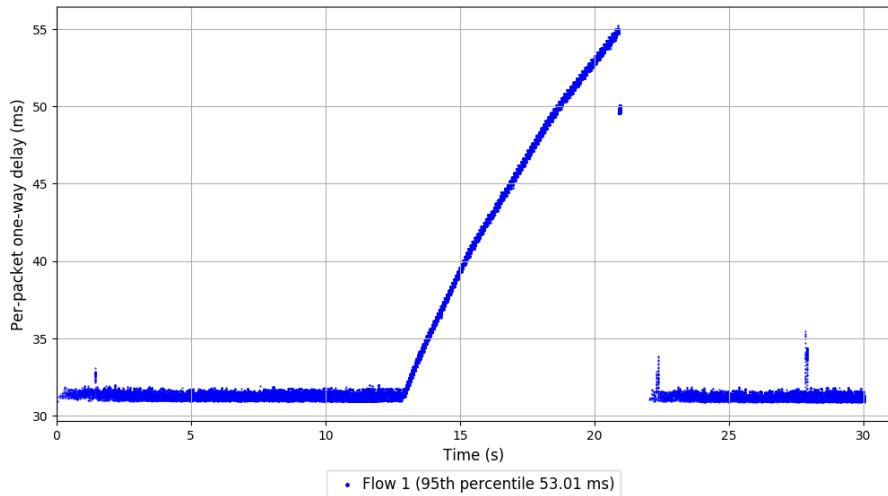
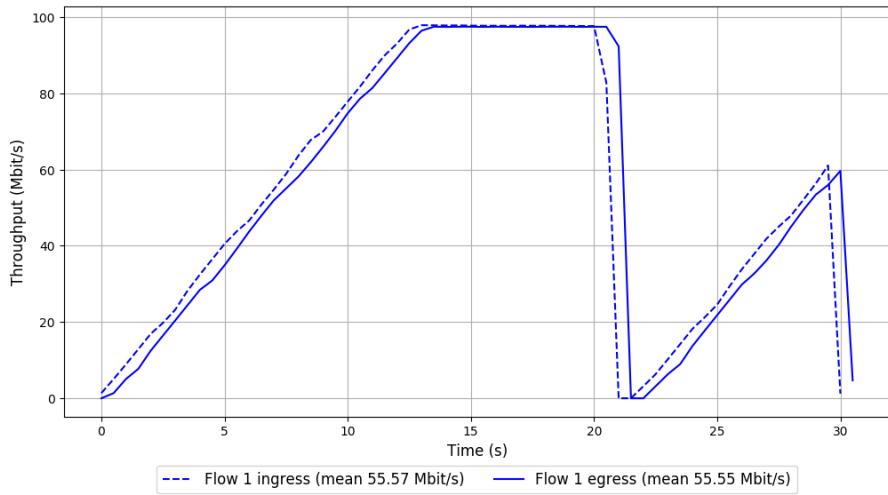


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-18 09:17:29
End at: 2018-06-18 09:17:59
Local clock offset: 0.712 ms
Remote clock offset: 1.303 ms

# Below is generated by plot.py at 2018-06-18 12:27:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 53.007 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 53.007 ms
Loss rate: 0.03%
```

Run 2: Report of LEDBAT — Data Link

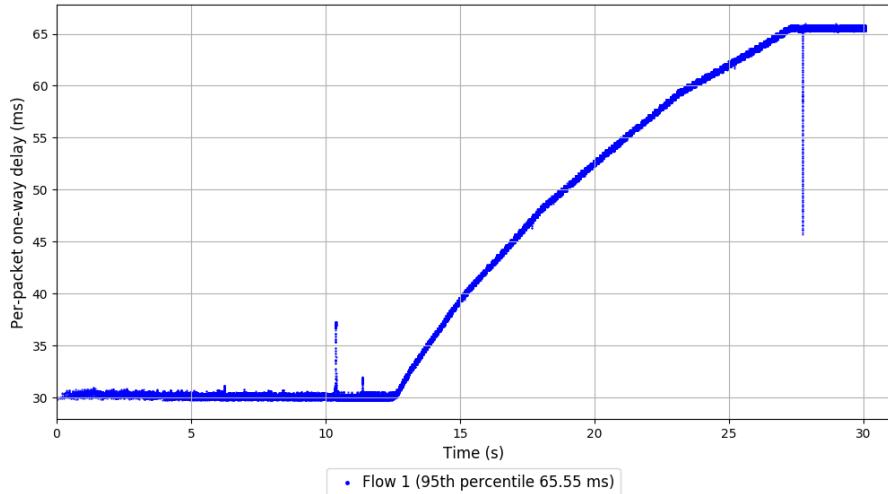
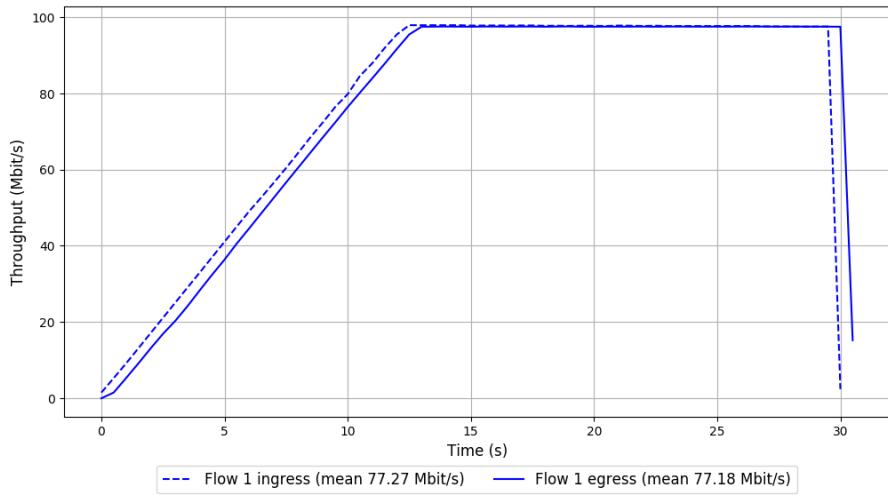


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-18 09:38:19
End at: 2018-06-18 09:38:49
Local clock offset: 0.479 ms
Remote clock offset: 2.333 ms

# Below is generated by plot.py at 2018-06-18 12:27:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 65.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 65.551 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

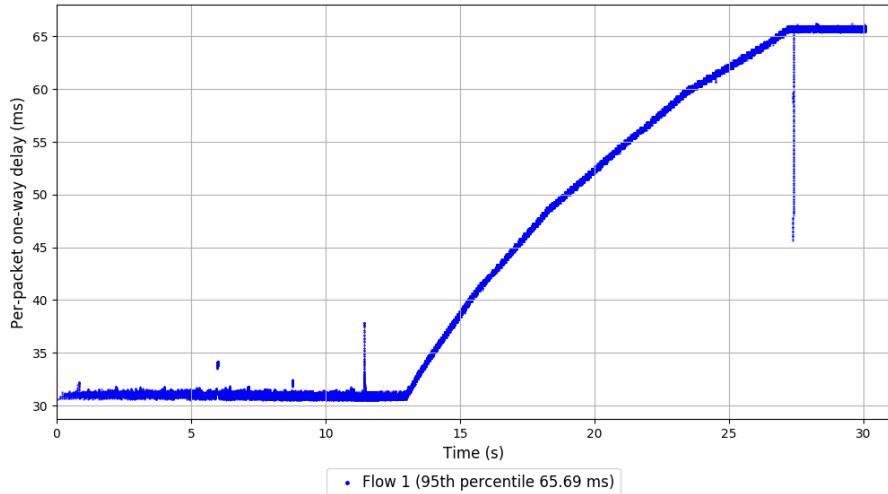
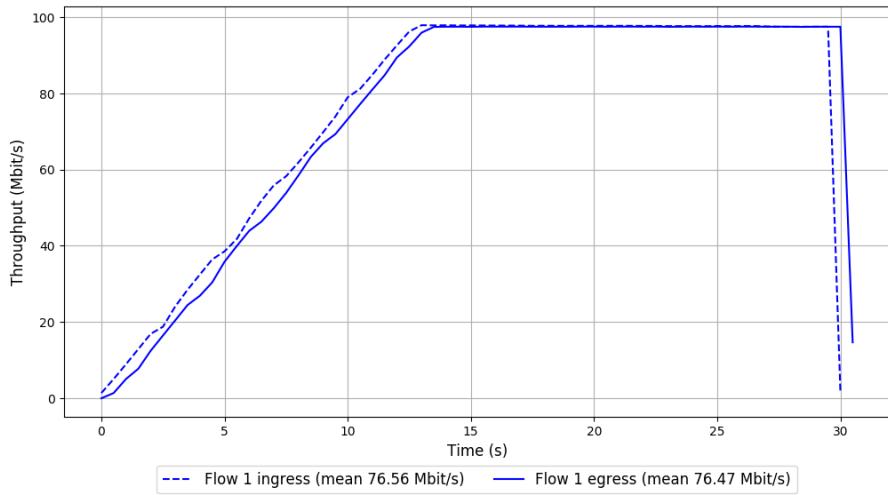


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-18 09:59:12
End at: 2018-06-18 09:59:42
Local clock offset: 0.528 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-06-18 12:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 65.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 65.691 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

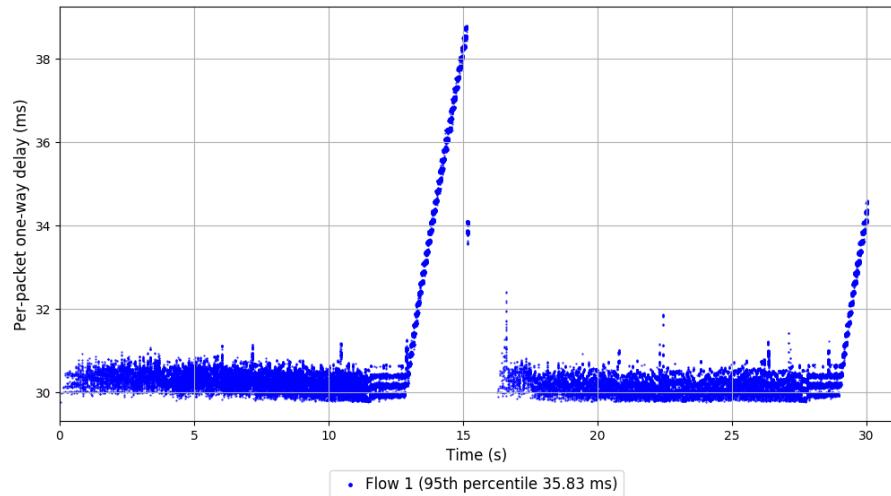
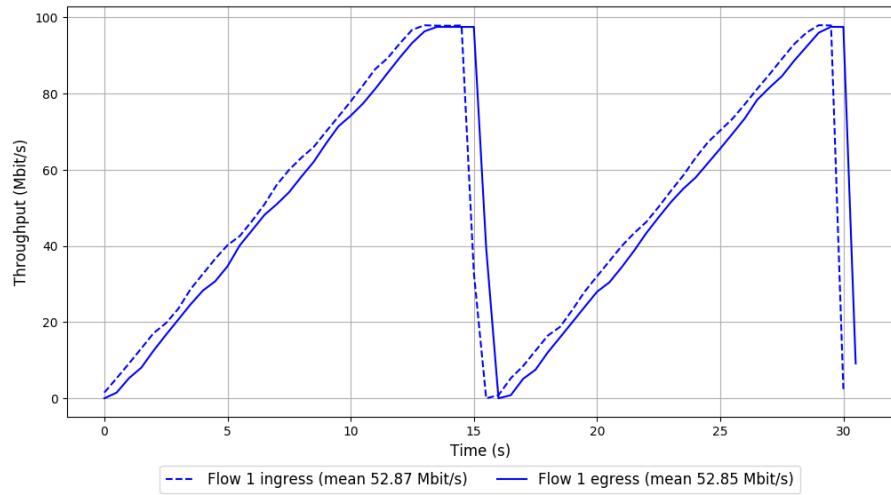


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-18 10:20:10
End at: 2018-06-18 10:20:40
Local clock offset: 0.485 ms
Remote clock offset: -0.593 ms

# Below is generated by plot.py at 2018-06-18 12:28:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: 35.828 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: 35.828 ms
Loss rate: 0.03%
```

Run 5: Report of LEDBAT — Data Link

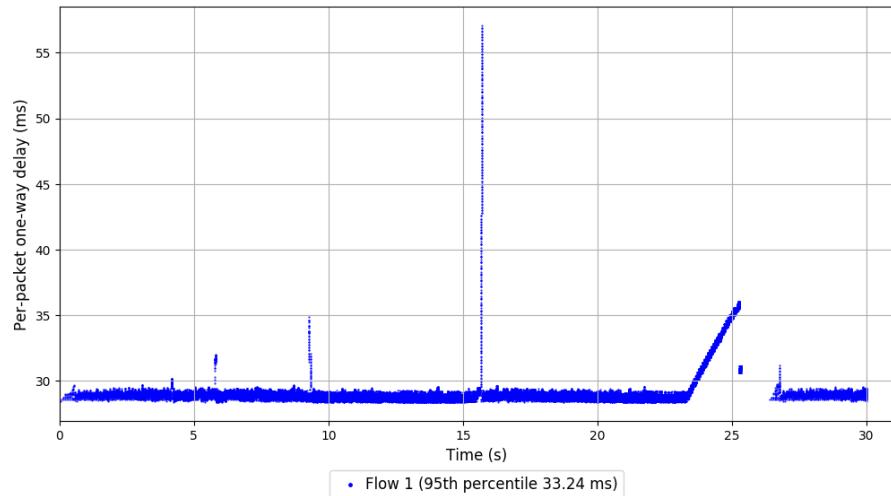
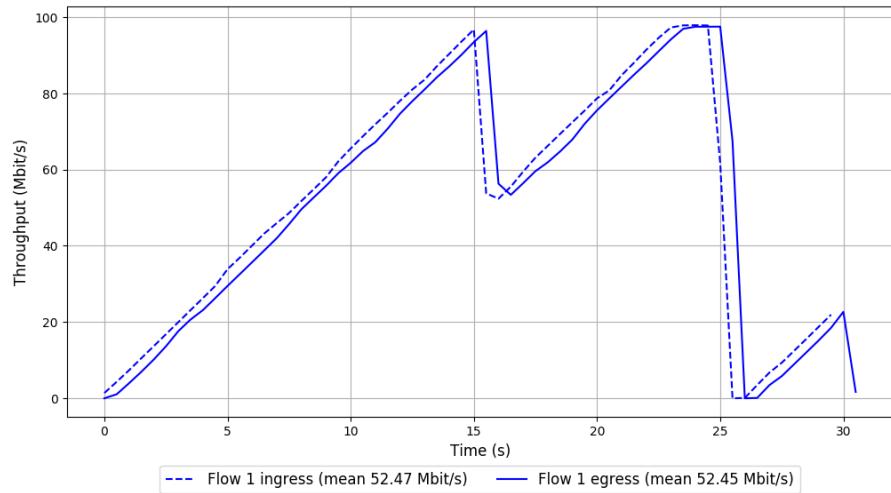


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-18 10:40:59
End at: 2018-06-18 10:41:29
Local clock offset: 0.482 ms
Remote clock offset: -2.538 ms

# Below is generated by plot.py at 2018-06-18 12:28:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 33.244 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 33.244 ms
Loss rate: 0.03%
```

Run 6: Report of LEDBAT — Data Link

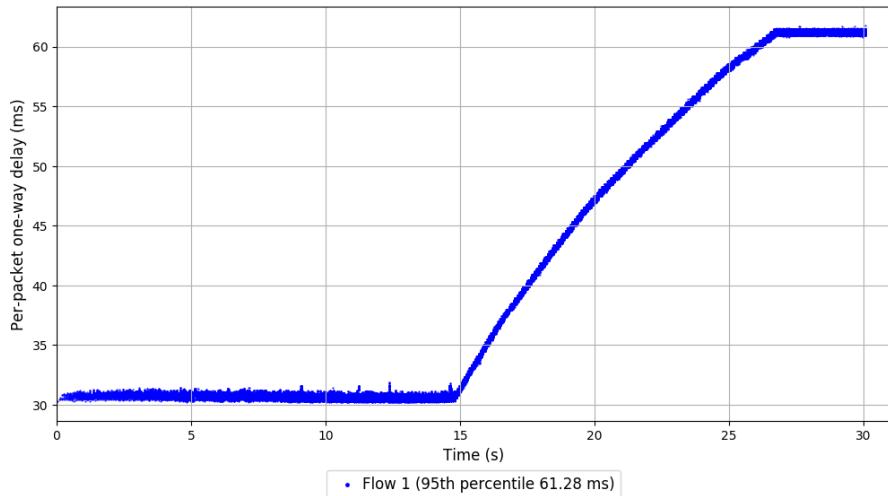
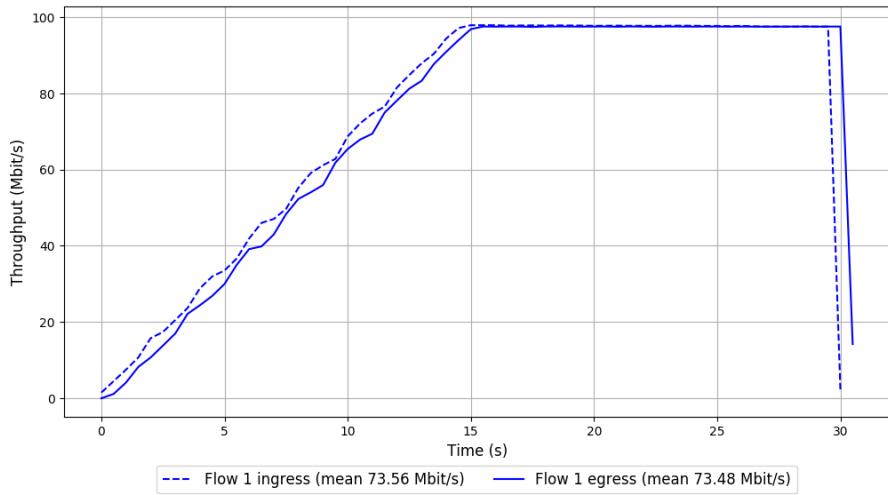


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-18 11:01:50
End at: 2018-06-18 11:02:20
Local clock offset: 0.408 ms
Remote clock offset: -0.924 ms

# Below is generated by plot.py at 2018-06-18 12:28:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.48 Mbit/s
95th percentile per-packet one-way delay: 61.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.48 Mbit/s
95th percentile per-packet one-way delay: 61.285 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

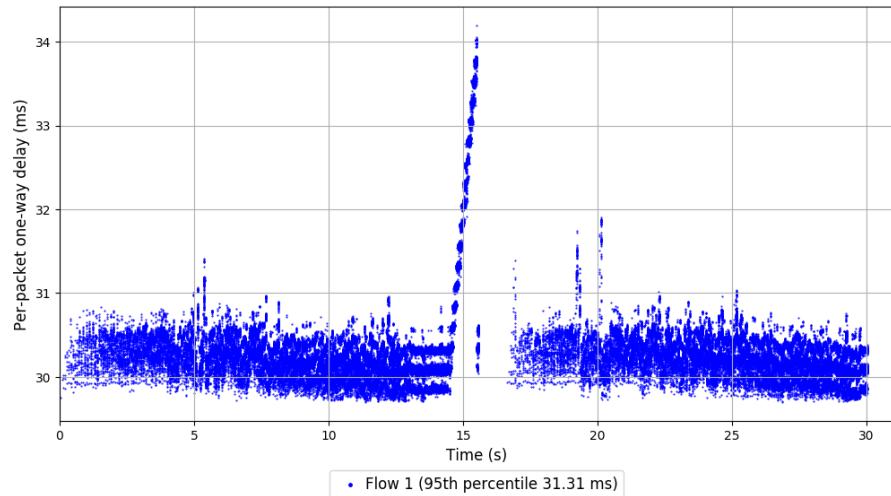
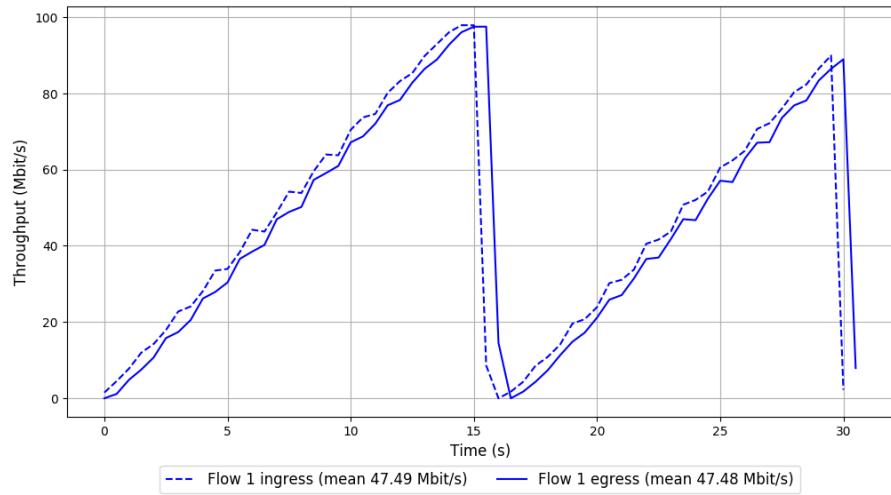


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-18 11:22:43
End at: 2018-06-18 11:23:13
Local clock offset: 0.45 ms
Remote clock offset: -2.028 ms

# Below is generated by plot.py at 2018-06-18 12:28:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 31.306 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 31.306 ms
Loss rate: 0.02%
```

Run 8: Report of LEDBAT — Data Link

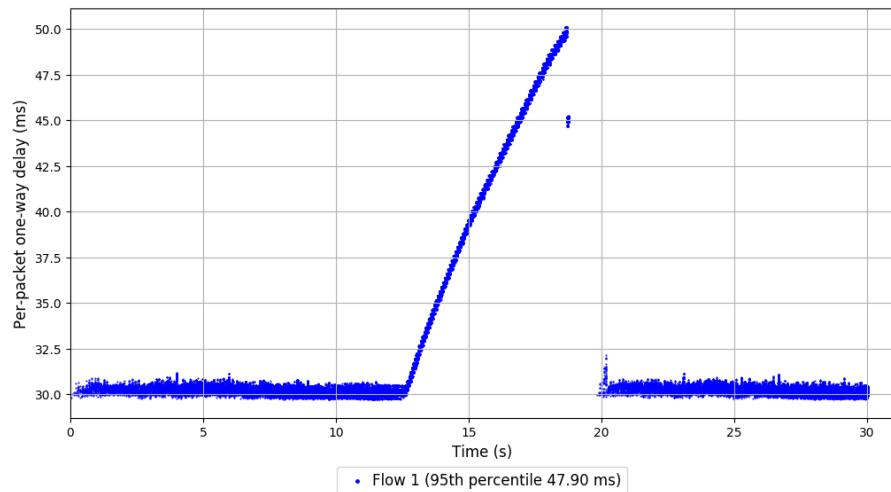
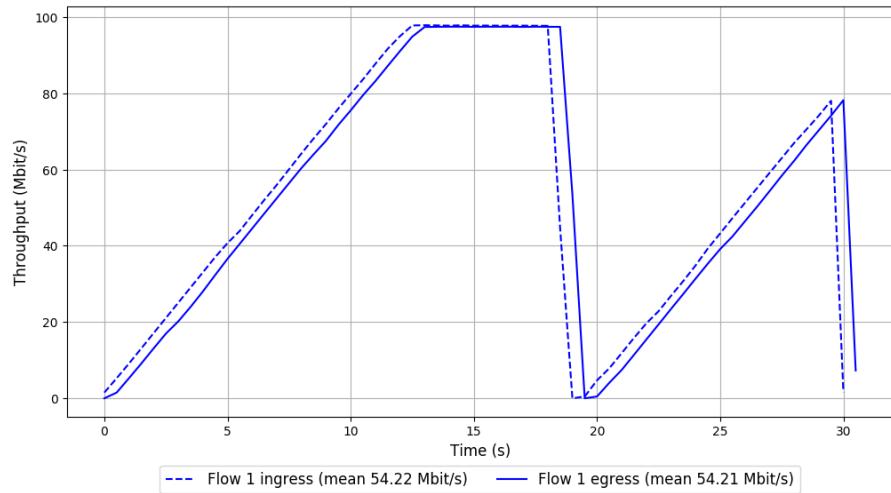


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-18 11:43:33
End at: 2018-06-18 11:44:03
Local clock offset: 0.279 ms
Remote clock offset: -1.179 ms

# Below is generated by plot.py at 2018-06-18 12:28:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 47.895 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 47.895 ms
Loss rate: 0.03%
```

Run 9: Report of LEDBAT — Data Link

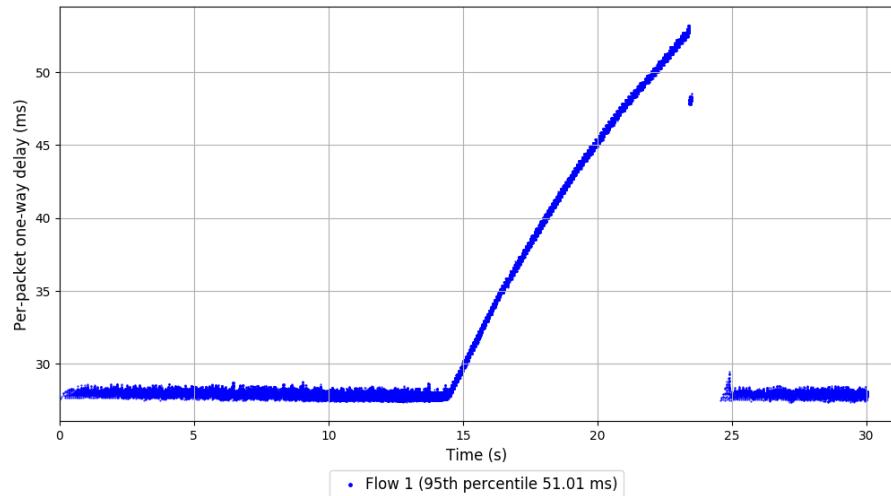
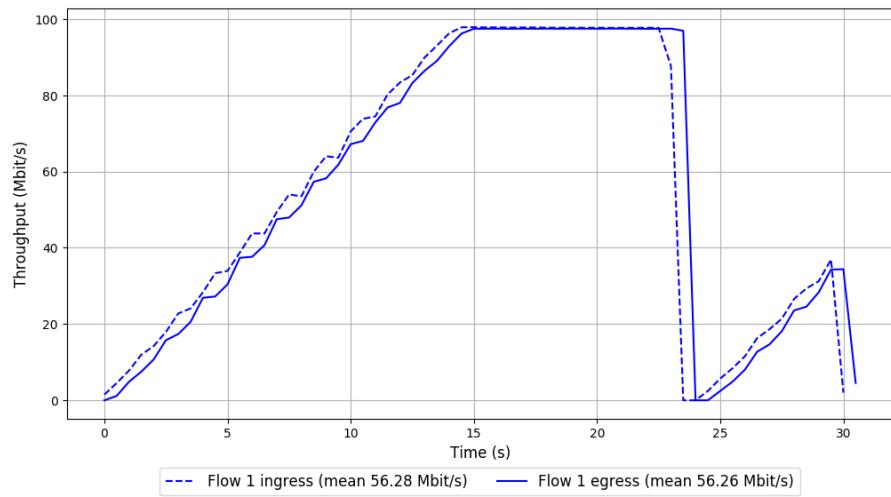


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-18 12:04:23
End at: 2018-06-18 12:04:53
Local clock offset: 0.12 ms
Remote clock offset: -3.158 ms

# Below is generated by plot.py at 2018-06-18 12:28:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.26 Mbit/s
95th percentile per-packet one-way delay: 51.009 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 56.26 Mbit/s
95th percentile per-packet one-way delay: 51.009 ms
Loss rate: 0.03%
```

Run 10: Report of LEDBAT — Data Link

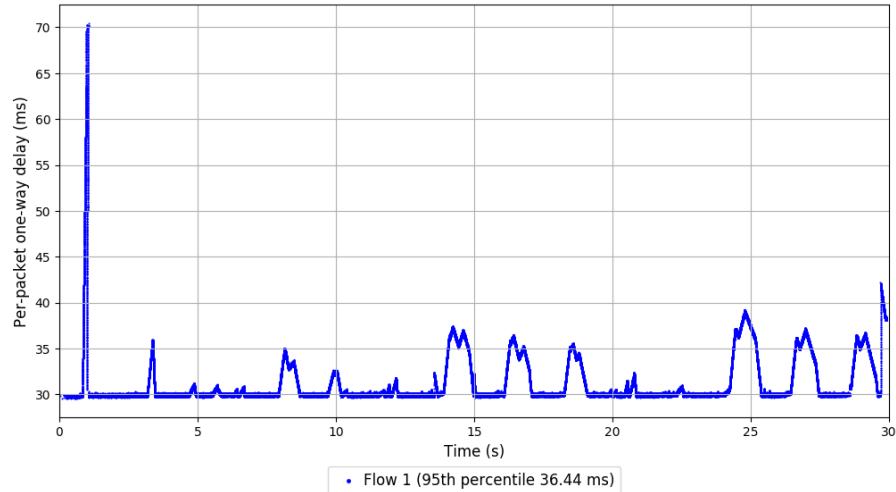
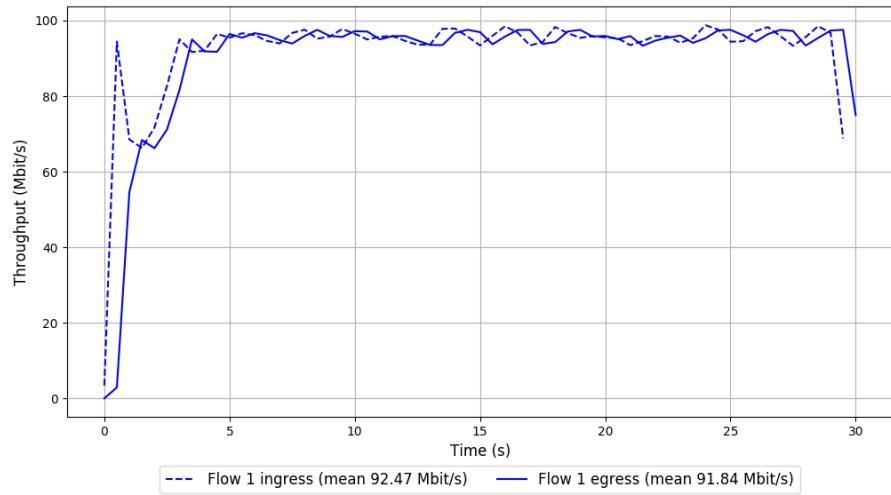


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-18 09:03:08
End at: 2018-06-18 09:03:38
Local clock offset: 1.852 ms
Remote clock offset: -1.943 ms

# Below is generated by plot.py at 2018-06-18 12:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 36.443 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 36.443 ms
Loss rate: 0.66%
```

Run 1: Report of PCC-Allegro — Data Link

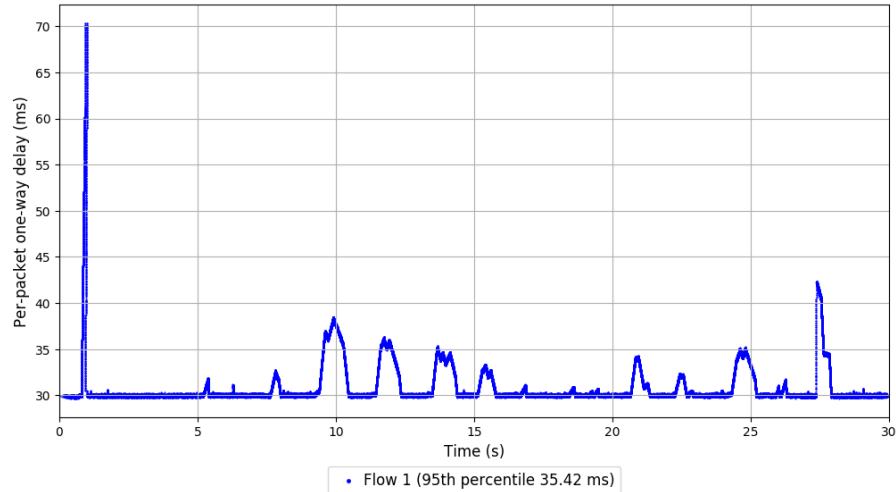
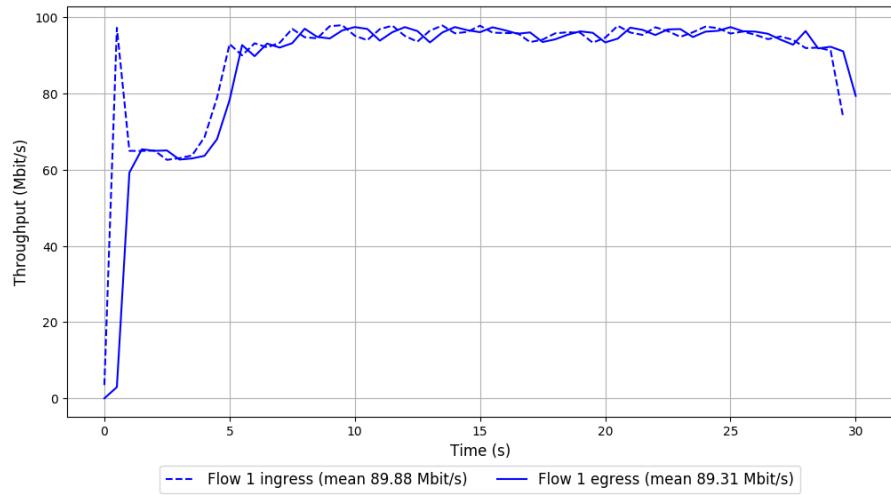


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-18 09:24:01
End at: 2018-06-18 09:24:31
Local clock offset: 0.526 ms
Remote clock offset: 1.533 ms

# Below is generated by plot.py at 2018-06-18 12:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: 35.416 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: 35.416 ms
Loss rate: 0.64%
```

Run 2: Report of PCC-Allegro — Data Link

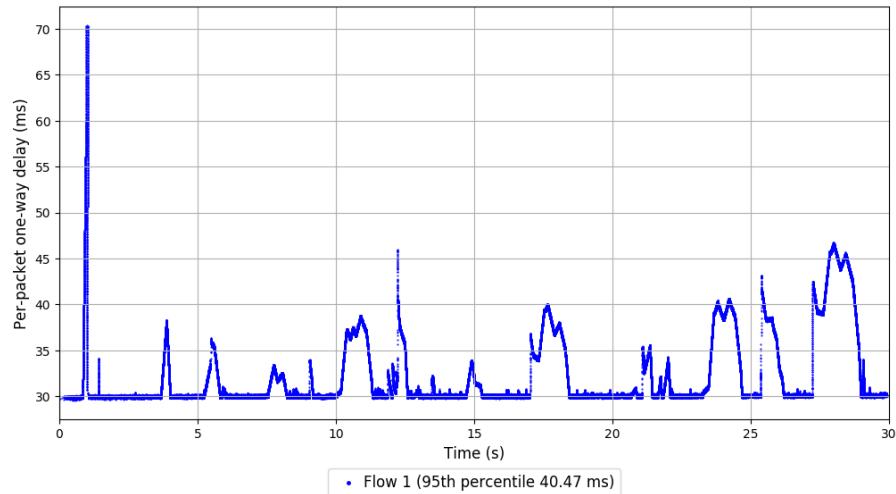
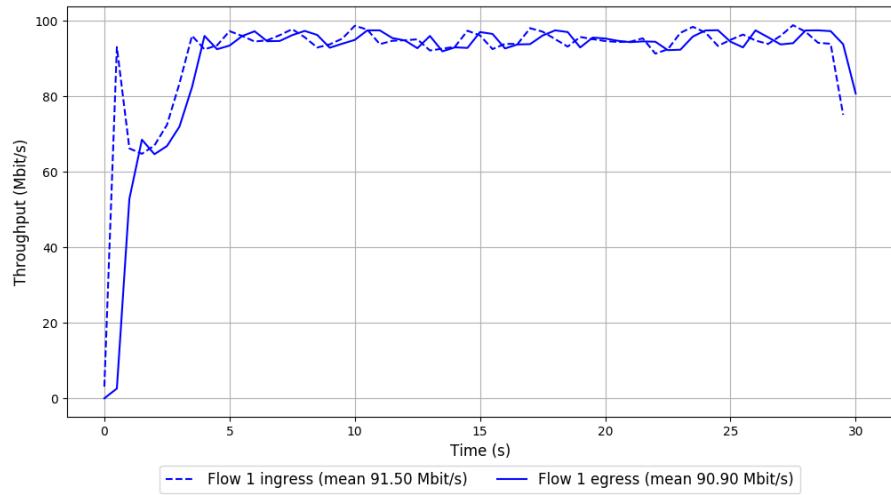


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-18 09:44:52
End at: 2018-06-18 09:45:22
Local clock offset: 0.52 ms
Remote clock offset: 1.634 ms

# Below is generated by plot.py at 2018-06-18 12:29:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 40.474 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 40.474 ms
Loss rate: 0.66%
```

Run 3: Report of PCC-Allegro — Data Link

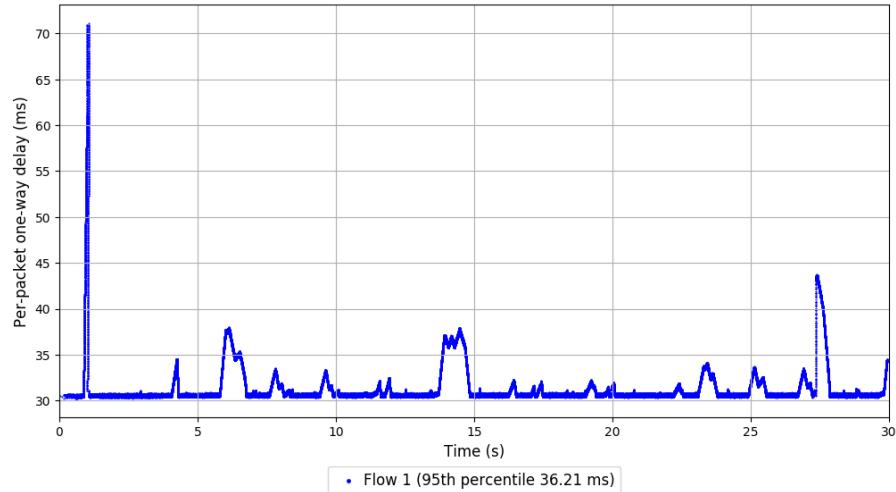
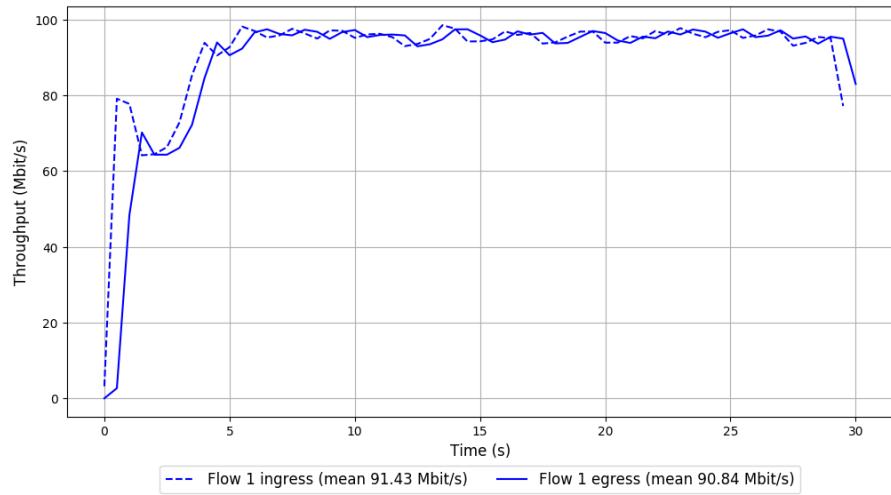


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-18 10:05:47
End at: 2018-06-18 10:06:17
Local clock offset: 0.642 ms
Remote clock offset: -0.426 ms

# Below is generated by plot.py at 2018-06-18 12:29:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 36.208 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 36.208 ms
Loss rate: 0.64%
```

Run 4: Report of PCC-Allegro — Data Link

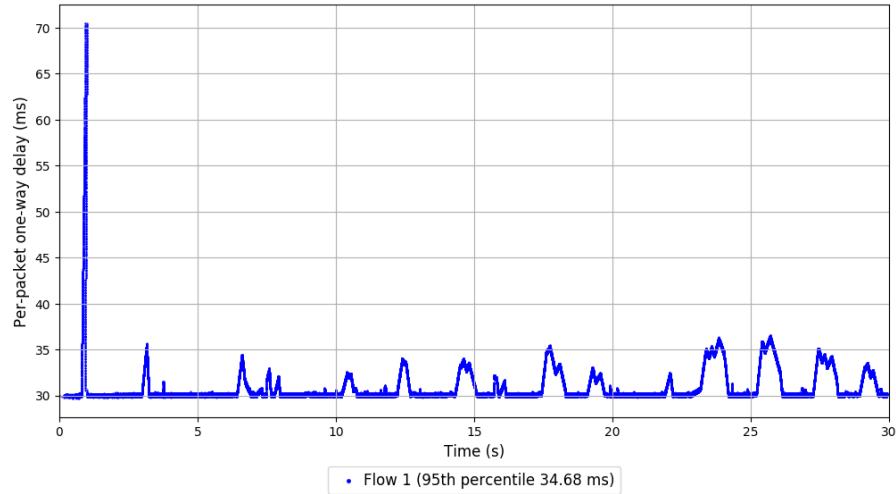
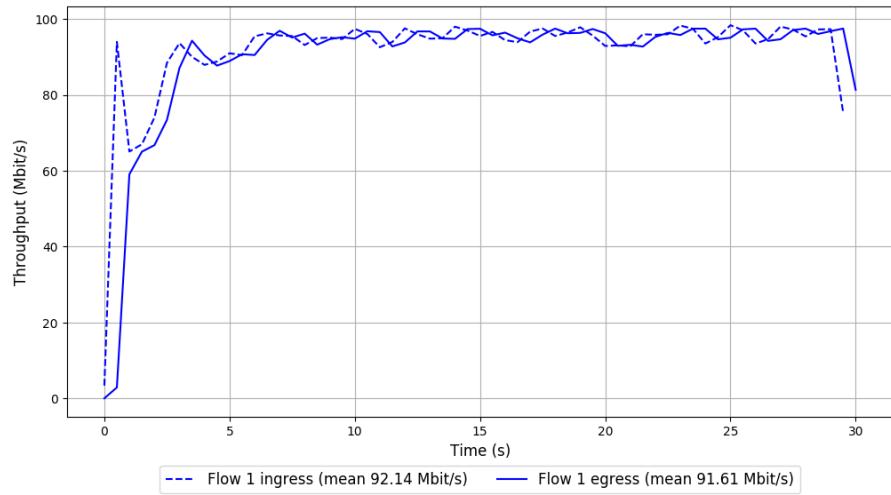


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-18 10:26:42
End at: 2018-06-18 10:27:12
Local clock offset: 0.527 ms
Remote clock offset: -0.45 ms

# Below is generated by plot.py at 2018-06-18 12:29:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 34.680 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 34.680 ms
Loss rate: 0.57%
```

Run 5: Report of PCC-Allegro — Data Link

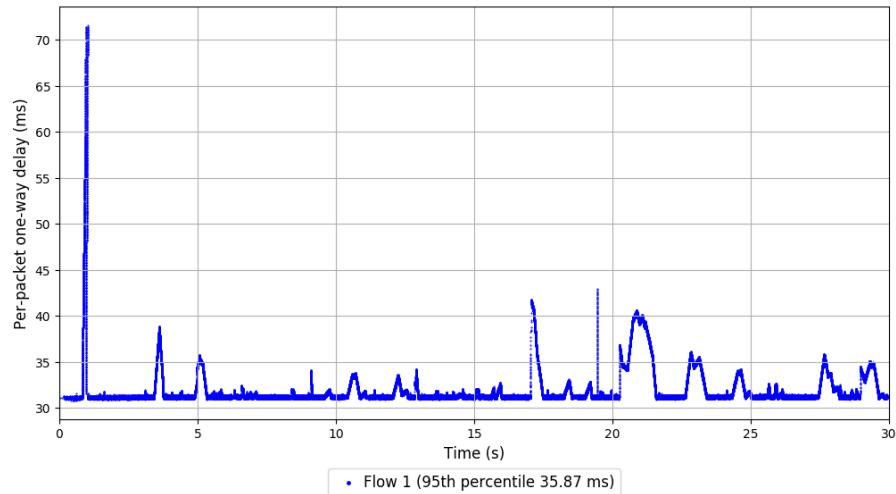
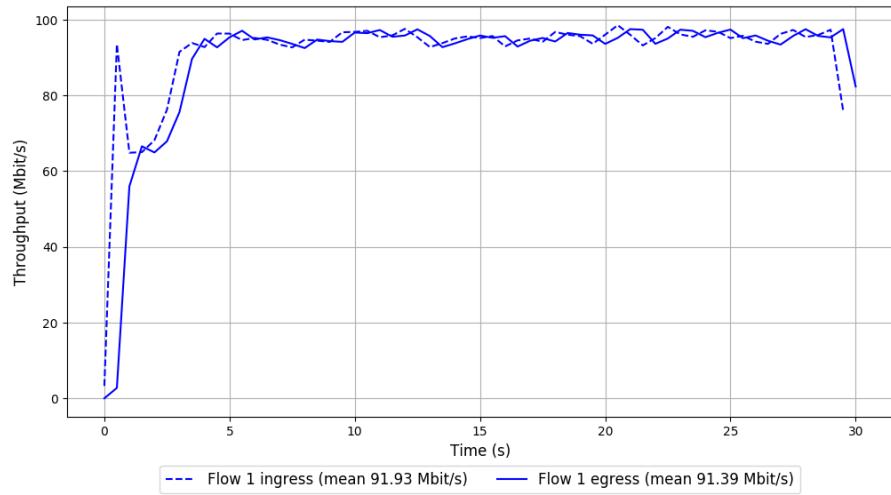


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-18 10:47:31
End at: 2018-06-18 10:48:01
Local clock offset: 0.322 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-06-18 12:29:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 35.871 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 35.871 ms
Loss rate: 0.59%
```

Run 6: Report of PCC-Allegro — Data Link

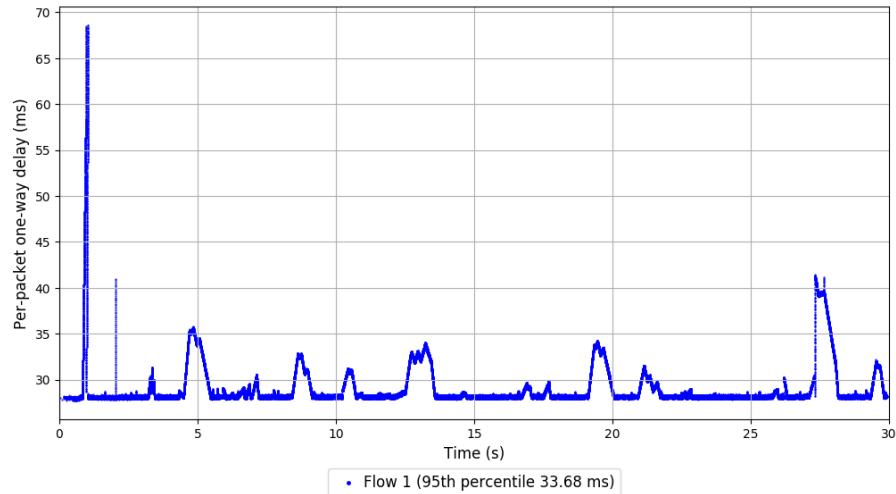
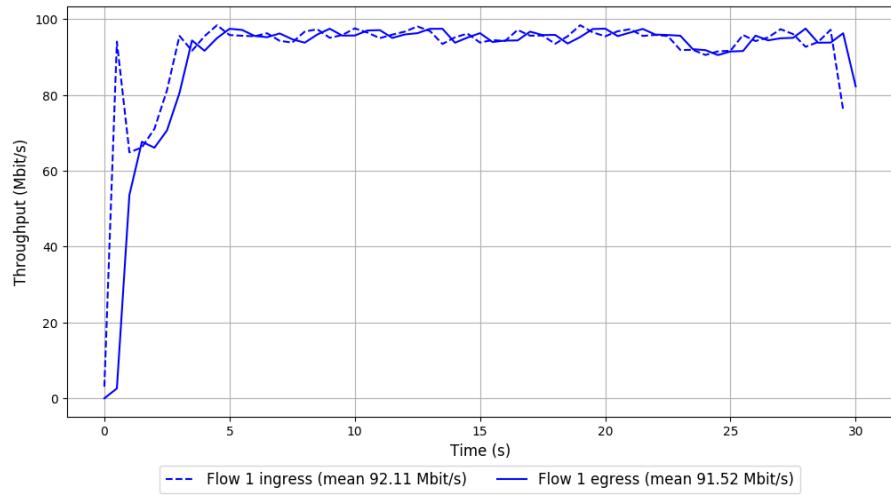


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-18 11:08:24
End at: 2018-06-18 11:08:54
Local clock offset: 0.331 ms
Remote clock offset: -3.521 ms

# Below is generated by plot.py at 2018-06-18 12:29:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 33.682 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 33.682 ms
Loss rate: 0.64%
```

Run 7: Report of PCC-Allegro — Data Link

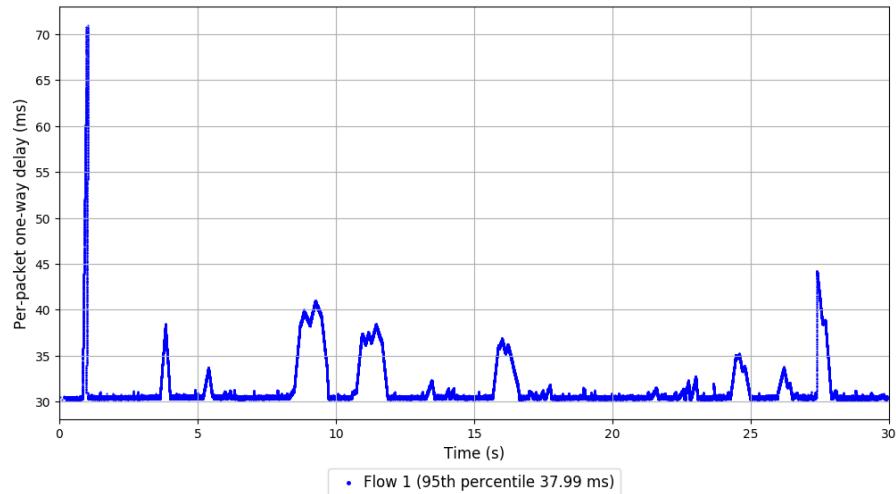
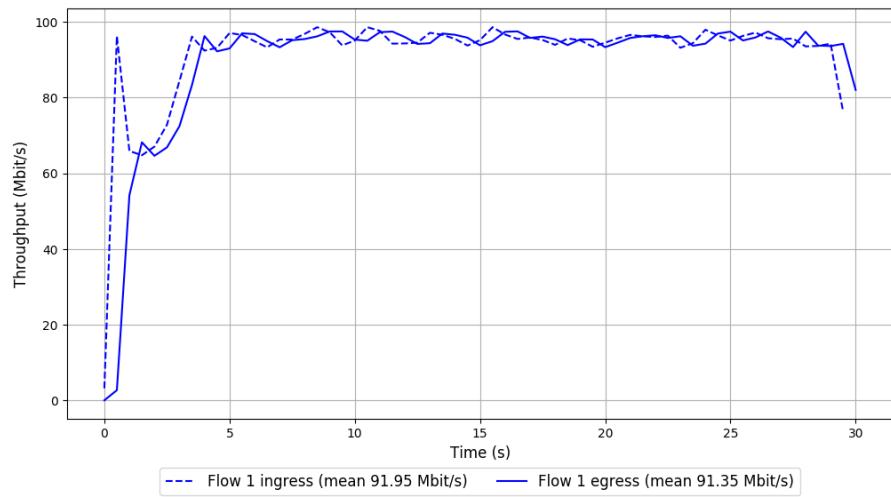


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-18 11:29:14
End at: 2018-06-18 11:29:44
Local clock offset: 0.381 ms
Remote clock offset: -0.895 ms

# Below is generated by plot.py at 2018-06-18 12:29:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 37.988 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 37.988 ms
Loss rate: 0.66%
```

Run 8: Report of PCC-Allegro — Data Link

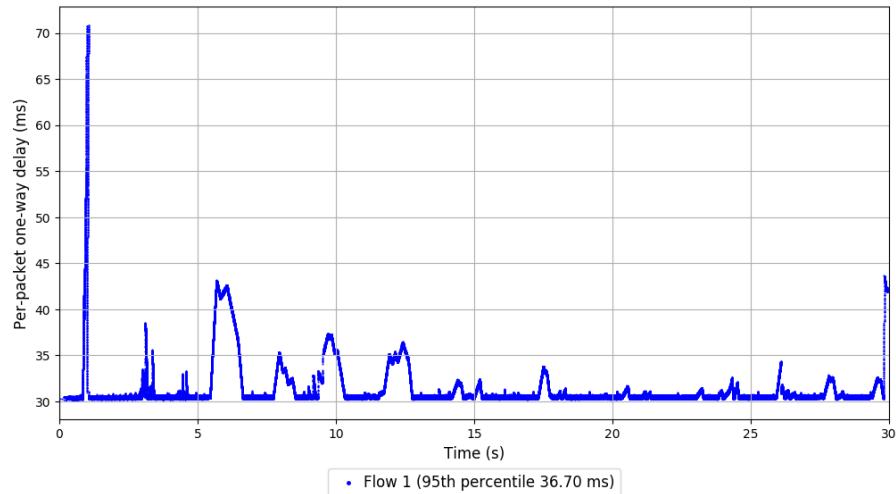
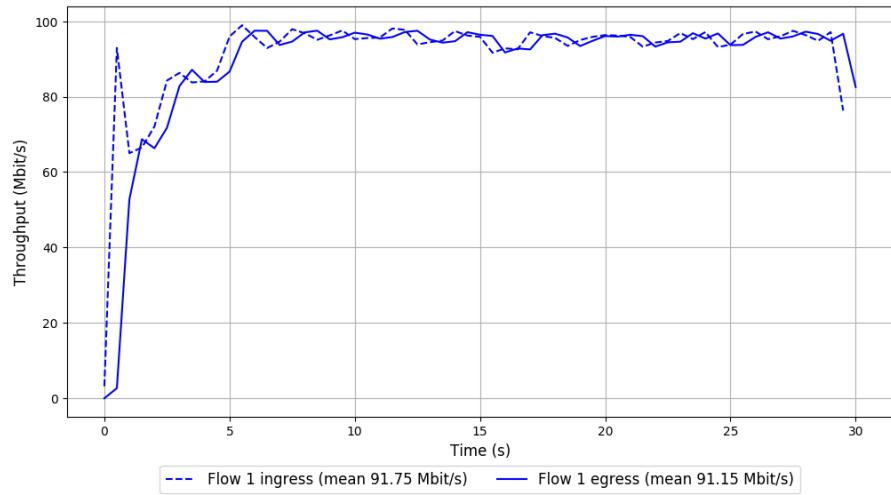


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-18 11:50:05
End at: 2018-06-18 11:50:35
Local clock offset: 0.234 ms
Remote clock offset: -0.967 ms

# Below is generated by plot.py at 2018-06-18 12:30:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 36.698 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 36.698 ms
Loss rate: 0.61%
```

Run 9: Report of PCC-Allegro — Data Link

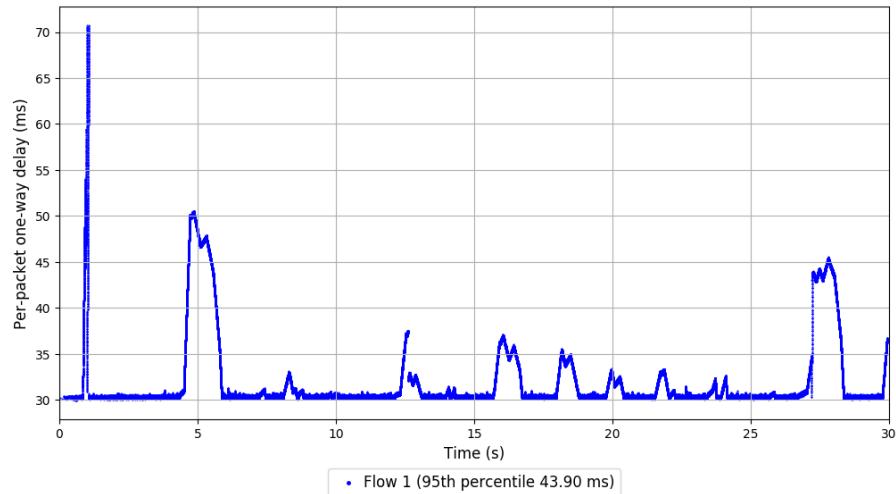
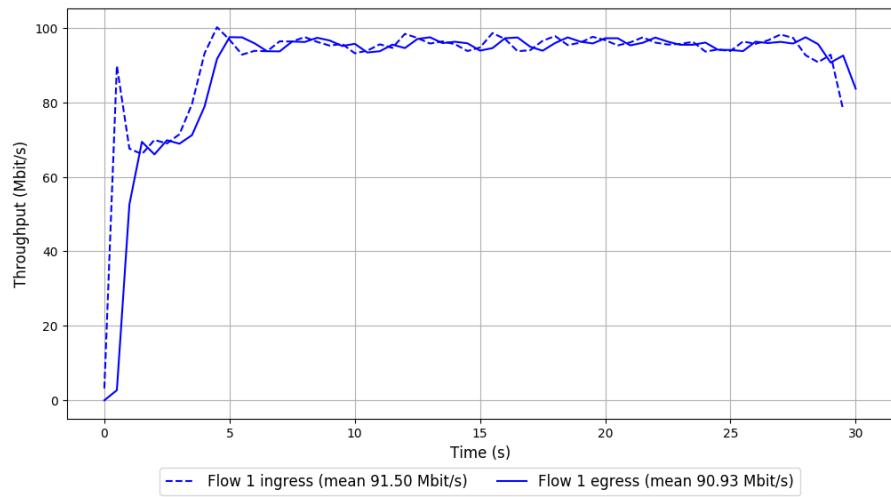


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-18 12:10:56
End at: 2018-06-18 12:11:26
Local clock offset: -1.102 ms
Remote clock offset: -0.245 ms

# Below is generated by plot.py at 2018-06-18 12:30:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 43.903 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 43.903 ms
Loss rate: 0.60%
```

Run 10: Report of PCC-Allegro — Data Link

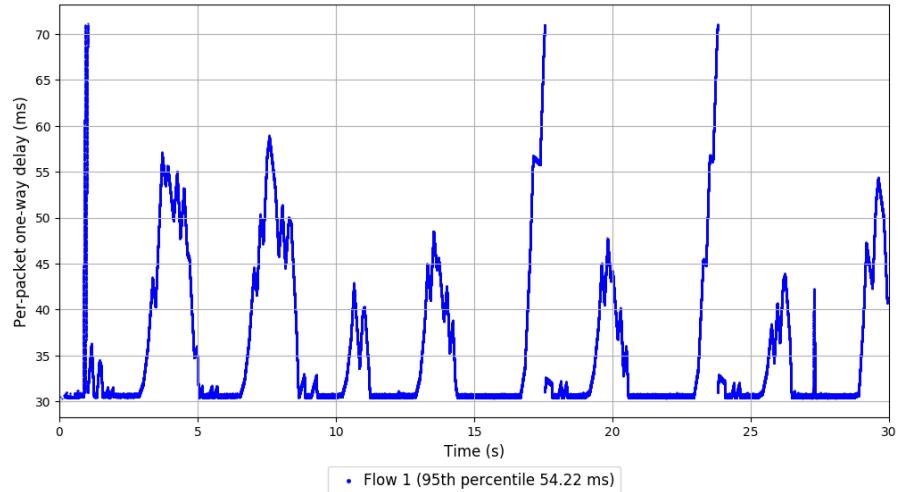
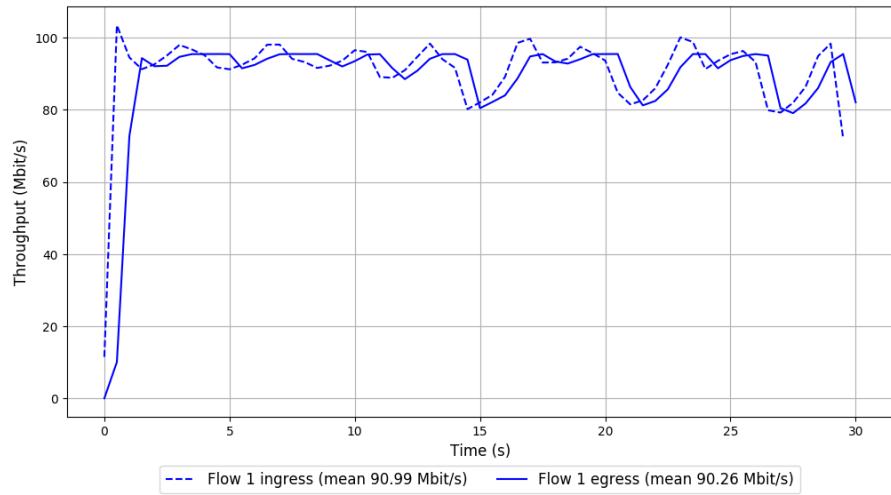


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-18 09:05:42
End at: 2018-06-18 09:06:12
Local clock offset: 1.559 ms
Remote clock offset: -1.98 ms

# Below is generated by plot.py at 2018-06-18 12:31:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 54.219 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 54.219 ms
Loss rate: 0.78%
```

Run 1: Report of PCC-Expr — Data Link

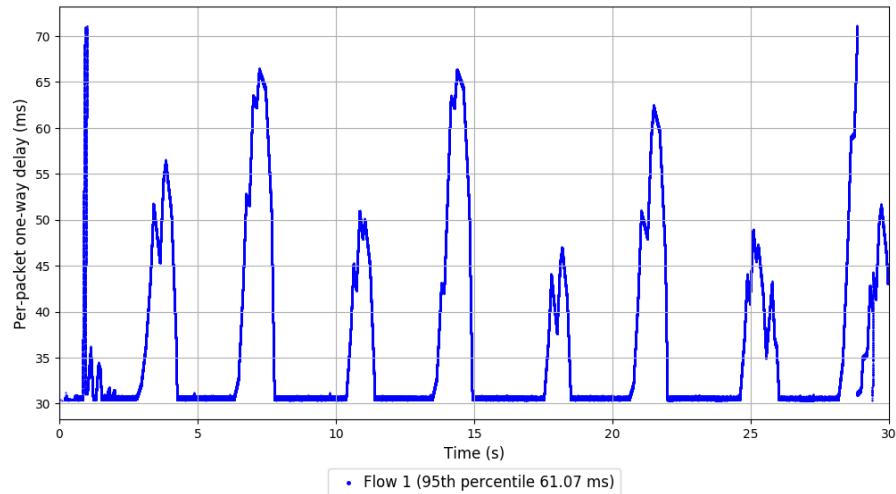
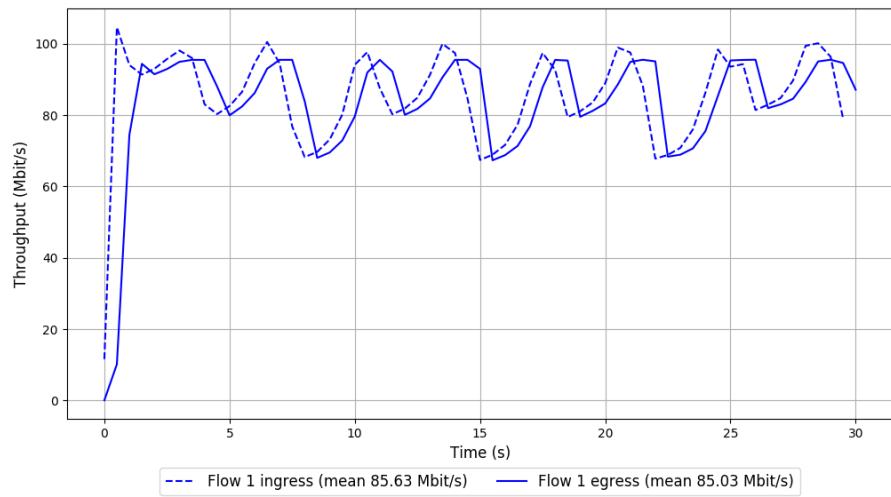


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-18 09:26:34
End at: 2018-06-18 09:27:04
Local clock offset: 0.604 ms
Remote clock offset: 1.739 ms

# Below is generated by plot.py at 2018-06-18 12:31:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 61.072 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 61.072 ms
Loss rate: 0.66%
```

Run 2: Report of PCC-Expr — Data Link

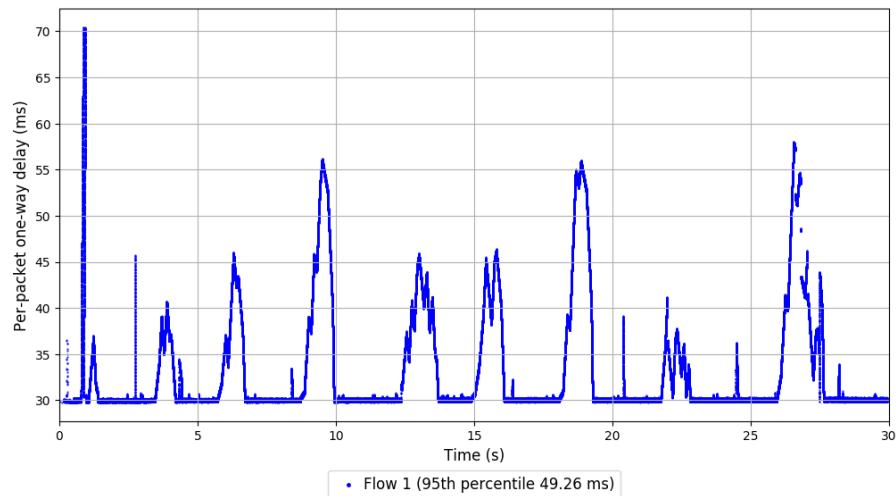
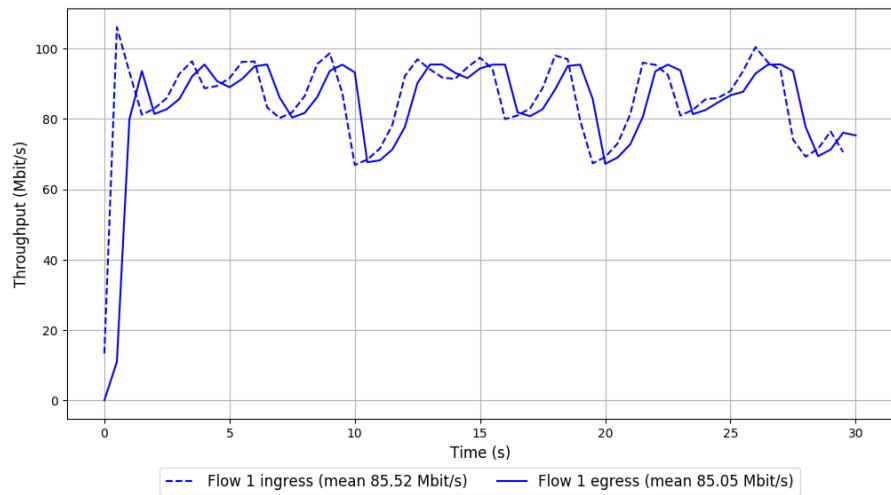


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-18 09:47:25
End at: 2018-06-18 09:47:55
Local clock offset: 0.52 ms
Remote clock offset: 1.113 ms

# Below is generated by plot.py at 2018-06-18 12:31:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 49.256 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 49.256 ms
Loss rate: 0.55%
```

Run 3: Report of PCC-Expr — Data Link

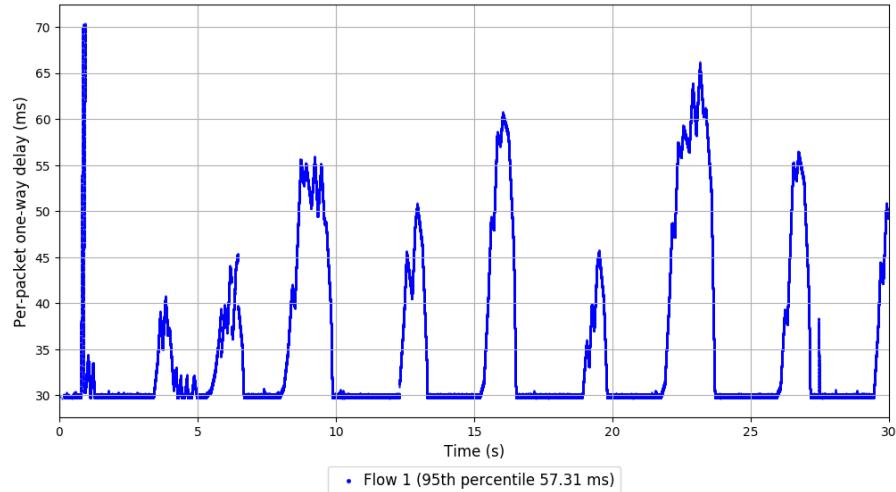
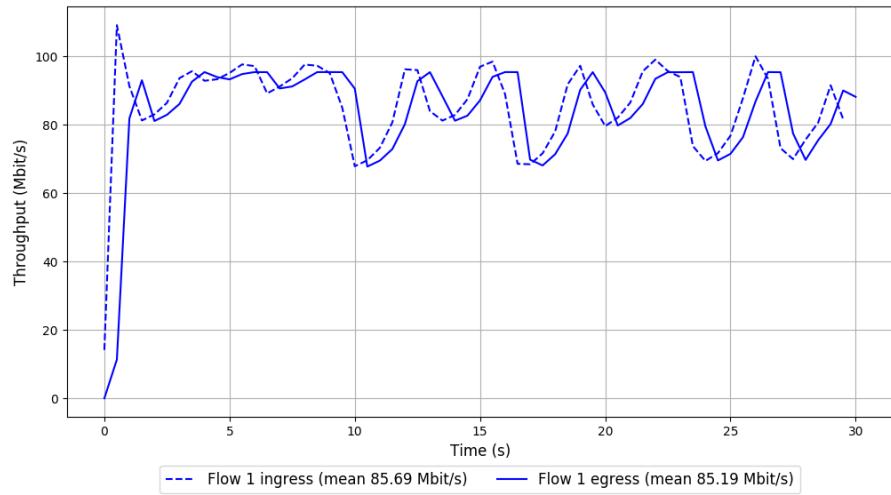


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-18 10:08:20
End at: 2018-06-18 10:08:50
Local clock offset: 0.603 ms
Remote clock offset: -0.482 ms

# Below is generated by plot.py at 2018-06-18 12:31:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 57.308 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 57.308 ms
Loss rate: 0.52%
```

Run 4: Report of PCC-Expr — Data Link

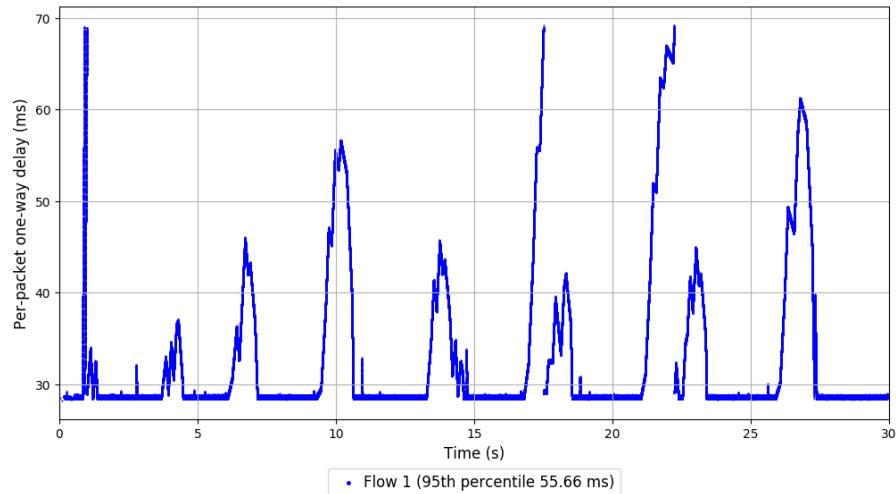
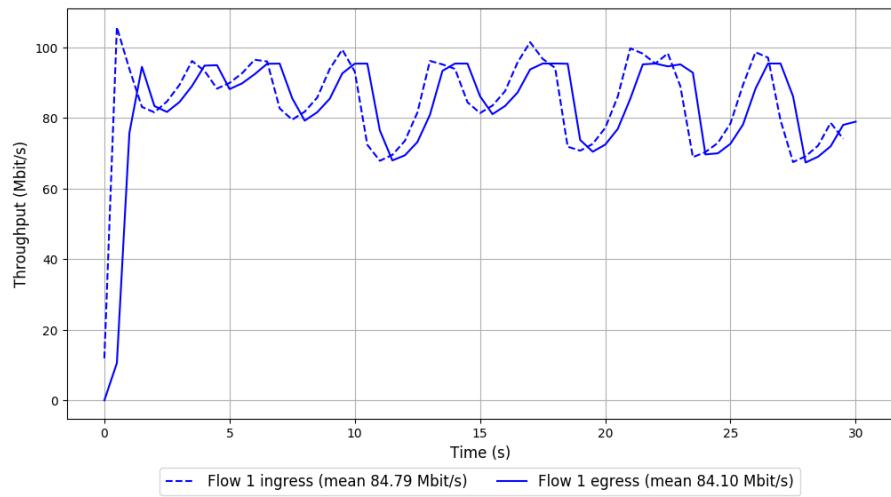


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-18 10:29:15
End at: 2018-06-18 10:29:45
Local clock offset: 0.532 ms
Remote clock offset: -2.598 ms

# Below is generated by plot.py at 2018-06-18 12:31:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 55.665 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 55.665 ms
Loss rate: 0.82%
```

Run 5: Report of PCC-Expr — Data Link

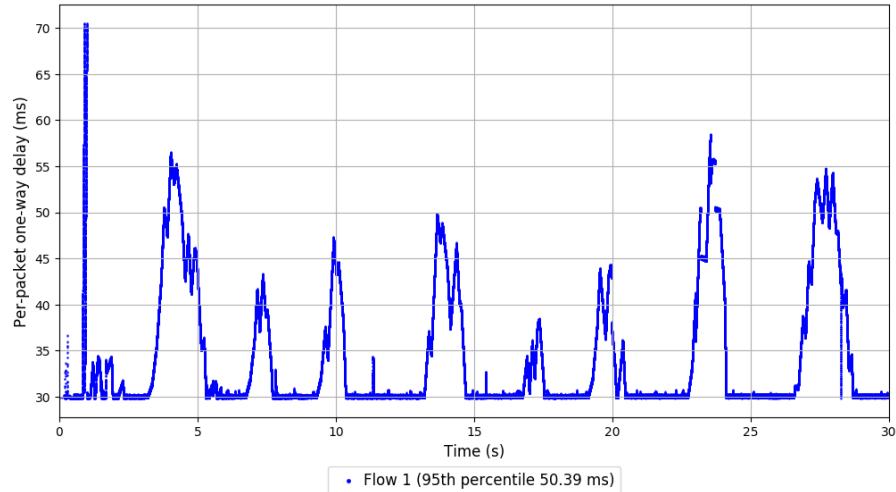
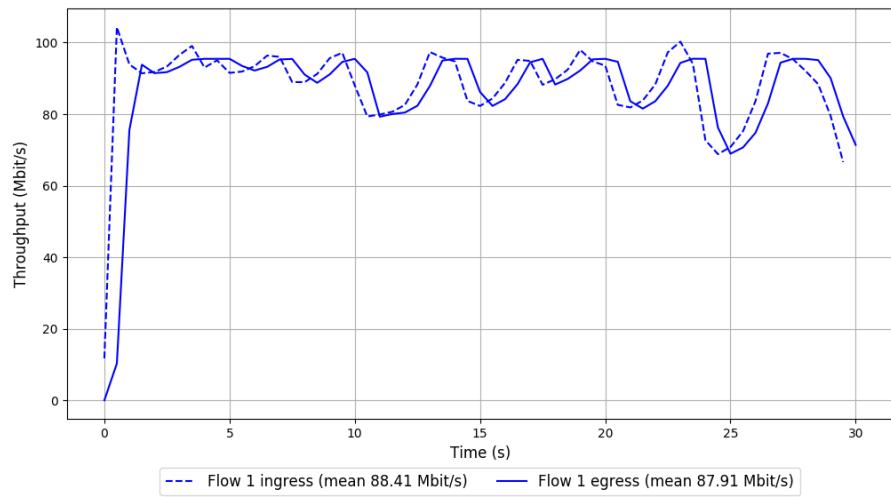


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-18 10:50:04
End at: 2018-06-18 10:50:34
Local clock offset: 0.324 ms
Remote clock offset: -0.595 ms

# Below is generated by plot.py at 2018-06-18 12:31:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 50.392 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 50.392 ms
Loss rate: 0.56%
```

Run 6: Report of PCC-Expr — Data Link

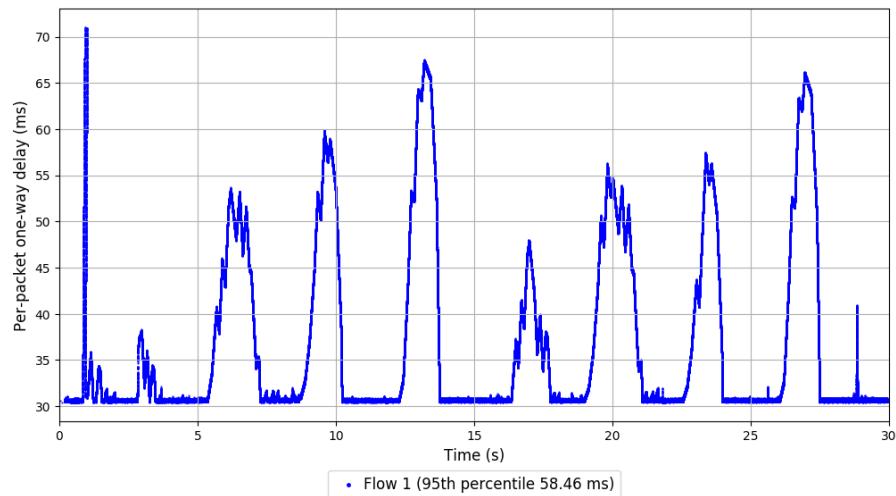
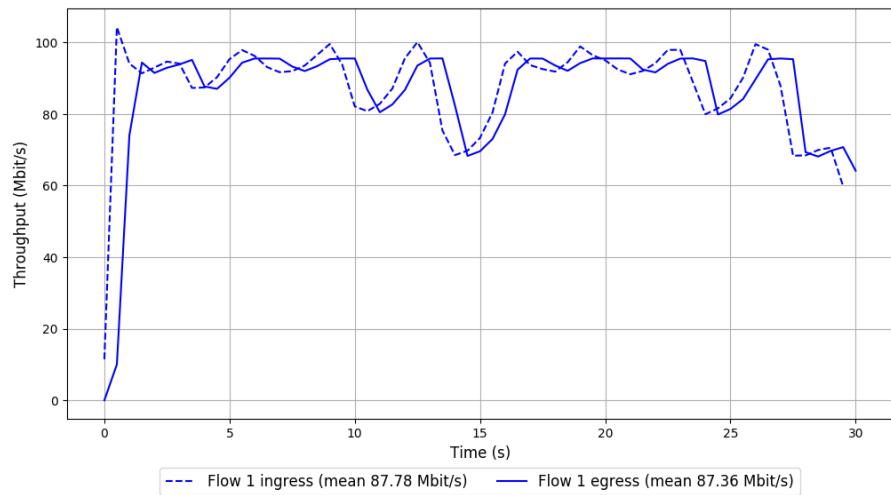


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-18 11:10:57
End at: 2018-06-18 11:11:27
Local clock offset: 0.439 ms
Remote clock offset: -1.679 ms

# Below is generated by plot.py at 2018-06-18 12:32:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 58.464 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 58.464 ms
Loss rate: 0.49%
```

Run 7: Report of PCC-Expr — Data Link

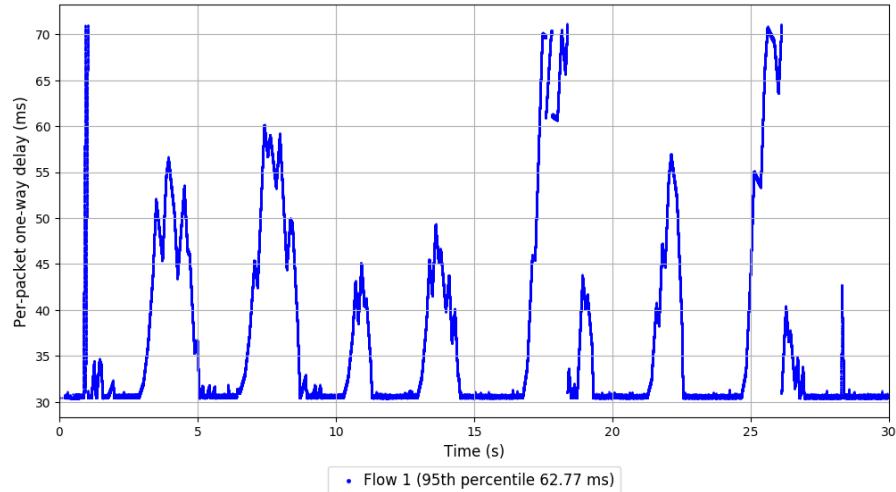
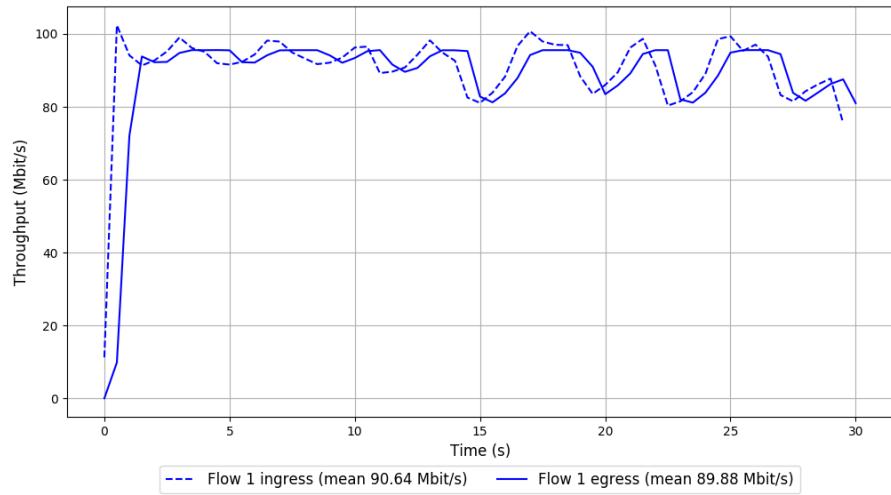


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-18 11:31:47
End at: 2018-06-18 11:32:17
Local clock offset: 0.472 ms
Remote clock offset: -1.186 ms

# Below is generated by plot.py at 2018-06-18 12:32:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 62.765 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 62.765 ms
Loss rate: 0.84%
```

Run 8: Report of PCC-Expr — Data Link

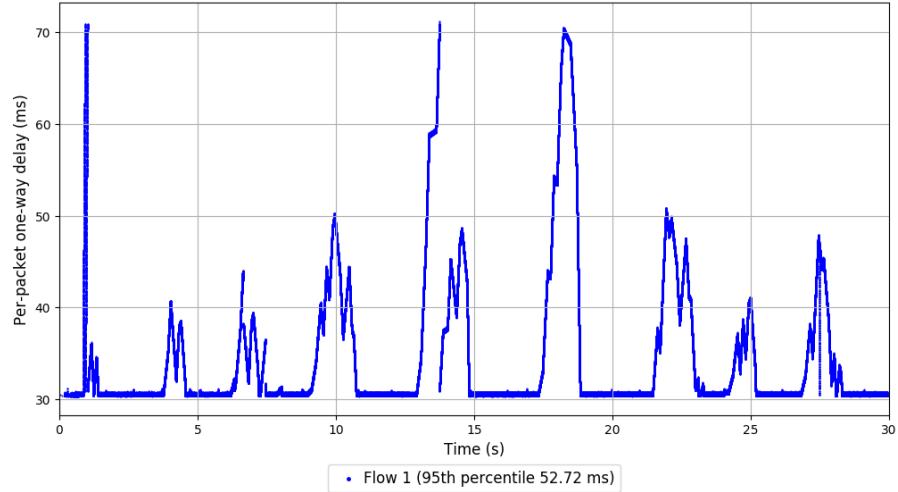
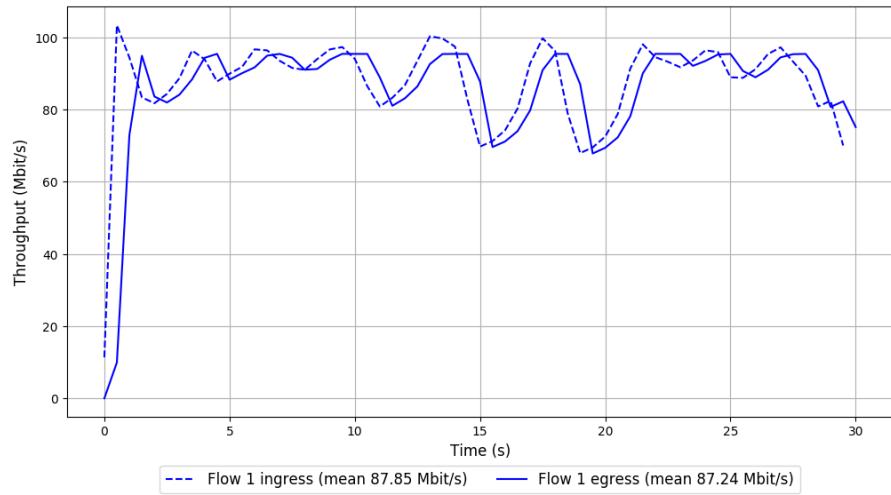


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-18 11:52:38
End at: 2018-06-18 11:53:08
Local clock offset: 0.098 ms
Remote clock offset: -1.144 ms

# Below is generated by plot.py at 2018-06-18 12:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 52.716 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 52.716 ms
Loss rate: 0.69%
```

Run 9: Report of PCC-Expr — Data Link

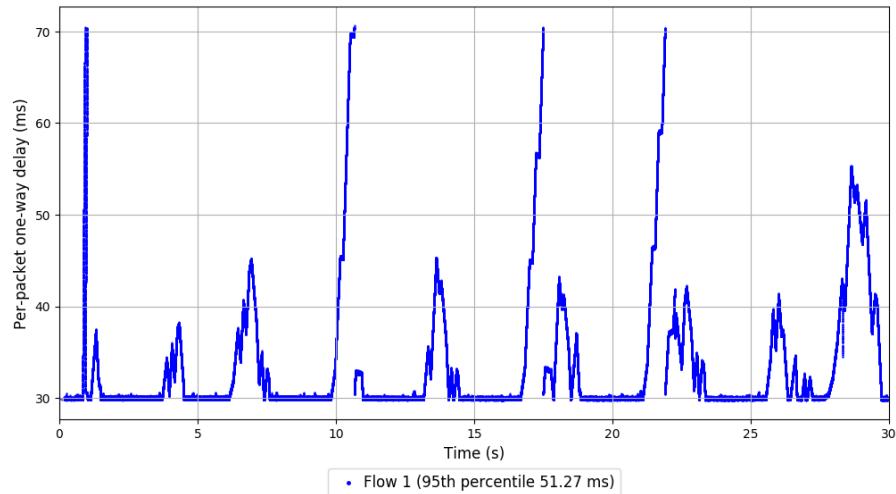
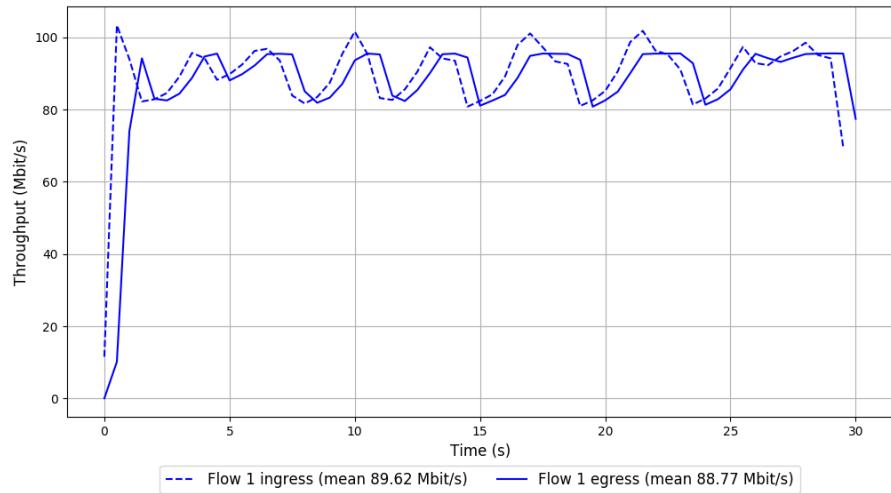


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-18 12:13:29
End at: 2018-06-18 12:13:59
Local clock offset: -1.494 ms
Remote clock offset: -0.676 ms

# Below is generated by plot.py at 2018-06-18 12:33:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 51.271 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 51.271 ms
Loss rate: 0.94%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

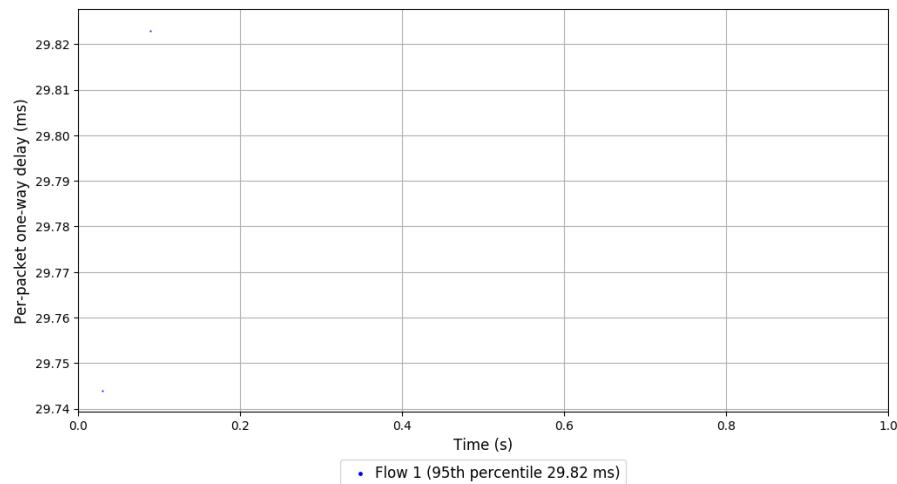
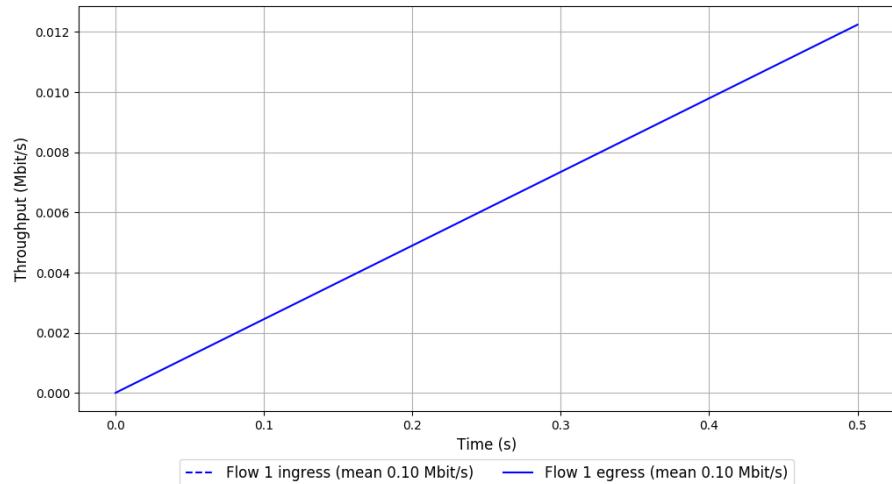
Start at: 2018-06-18 08:57:56

End at: 2018-06-18 08:58:26

Local clock offset: 1.571 ms

Remote clock offset: -1.771 ms

Run 1: Report of QUIC Cubic — Data Link

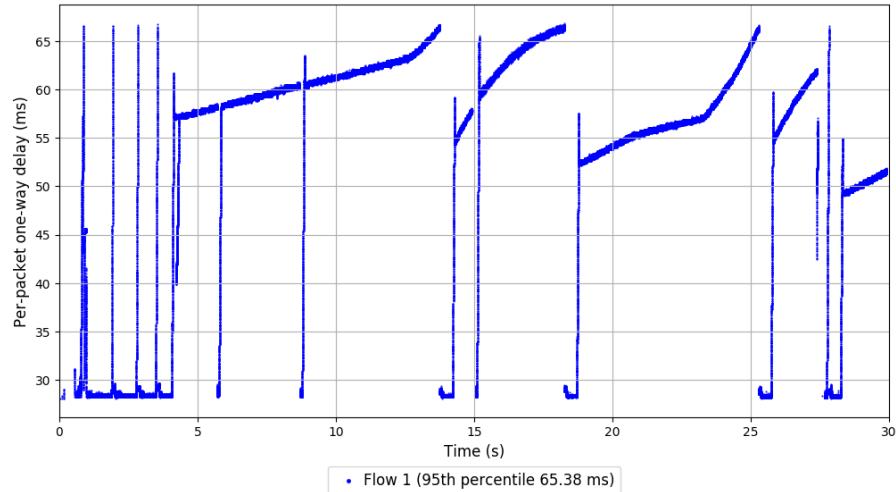
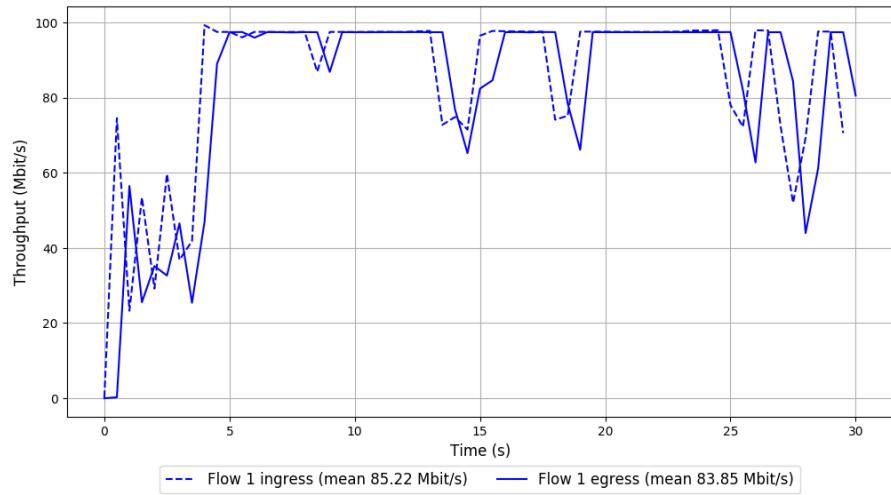


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-18 09:18:47
End at: 2018-06-18 09:19:17
Local clock offset: 0.669 ms
Remote clock offset: -1.189 ms

# Below is generated by plot.py at 2018-06-18 12:33:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 65.382 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 65.382 ms
Loss rate: 1.53%
```

Run 2: Report of QUIC Cubic — Data Link

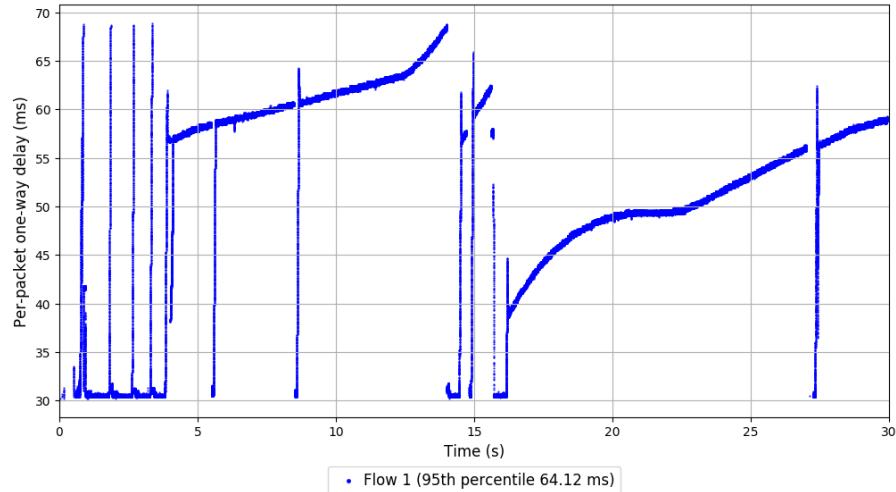
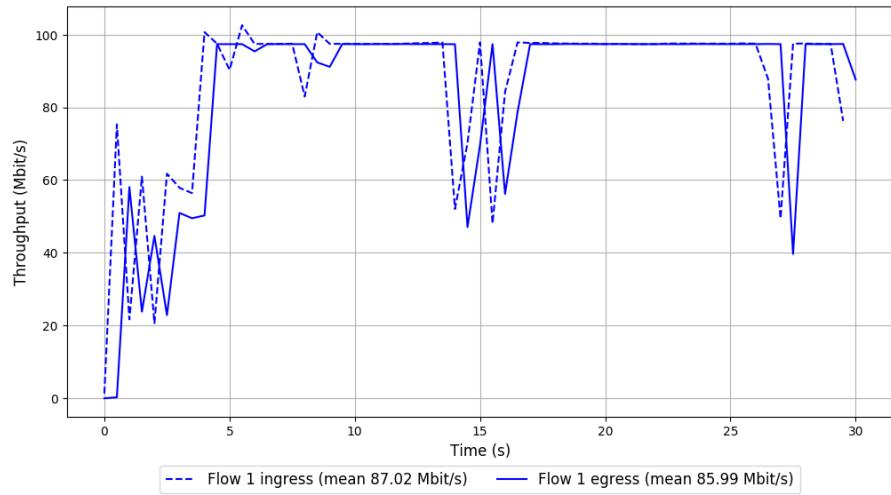


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-18 09:39:38
End at: 2018-06-18 09:40:08
Local clock offset: 0.562 ms
Remote clock offset: 2.453 ms

# Below is generated by plot.py at 2018-06-18 12:33:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 64.120 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 64.120 ms
Loss rate: 1.09%
```

Run 3: Report of QUIC Cubic — Data Link

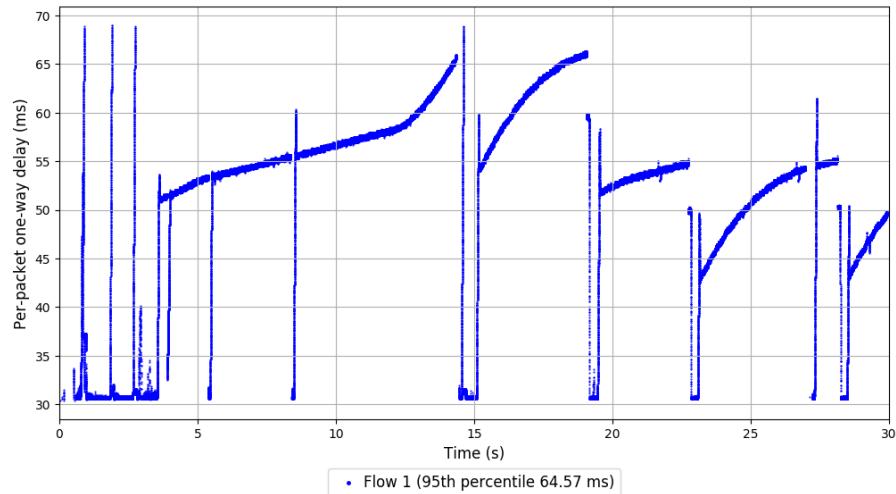
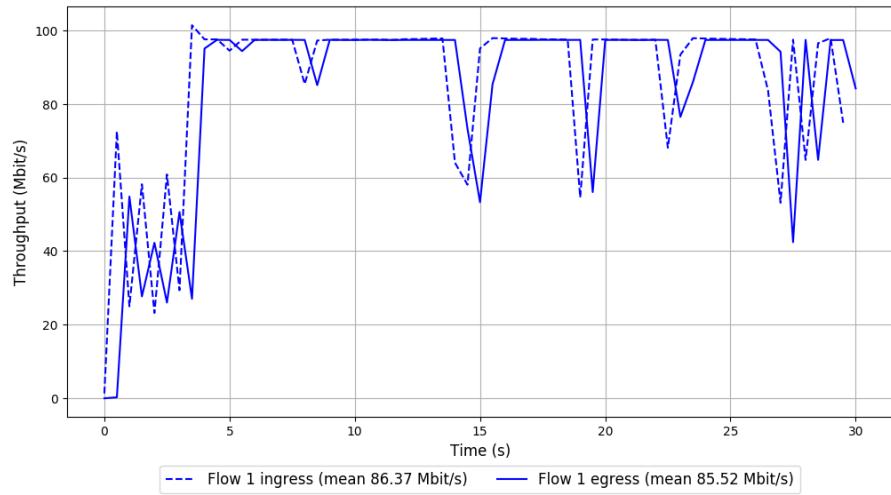


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-18 10:00:31
End at: 2018-06-18 10:01:01
Local clock offset: 0.513 ms
Remote clock offset: -0.194 ms

# Below is generated by plot.py at 2018-06-18 12:33:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 64.573 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 64.573 ms
Loss rate: 0.93%
```

Run 4: Report of QUIC Cubic — Data Link

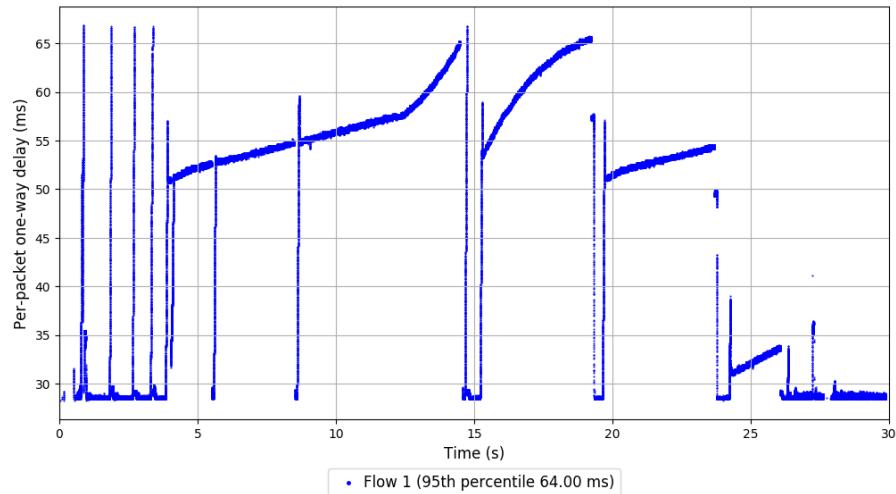
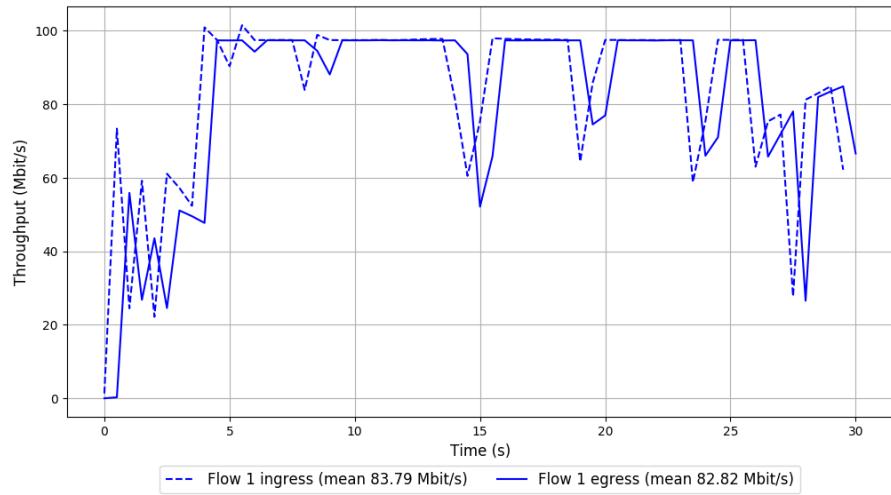


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-18 10:21:28
End at: 2018-06-18 10:21:58
Local clock offset: 0.488 ms
Remote clock offset: -2.61 ms

# Below is generated by plot.py at 2018-06-18 12:33:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 63.998 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 63.998 ms
Loss rate: 1.15%
```

Run 5: Report of QUIC Cubic — Data Link

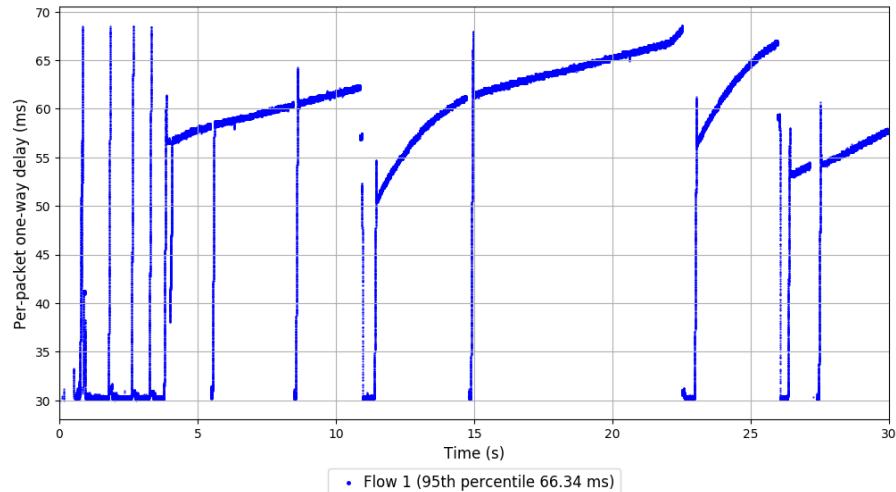
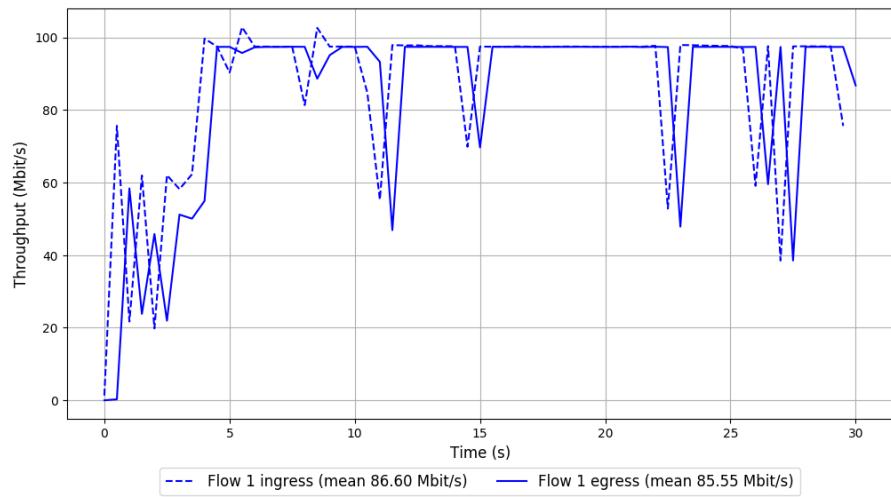


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-18 10:42:16
End at: 2018-06-18 10:42:46
Local clock offset: 0.457 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-18 12:33:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 66.338 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 66.338 ms
Loss rate: 1.13%
```

Run 6: Report of QUIC Cubic — Data Link

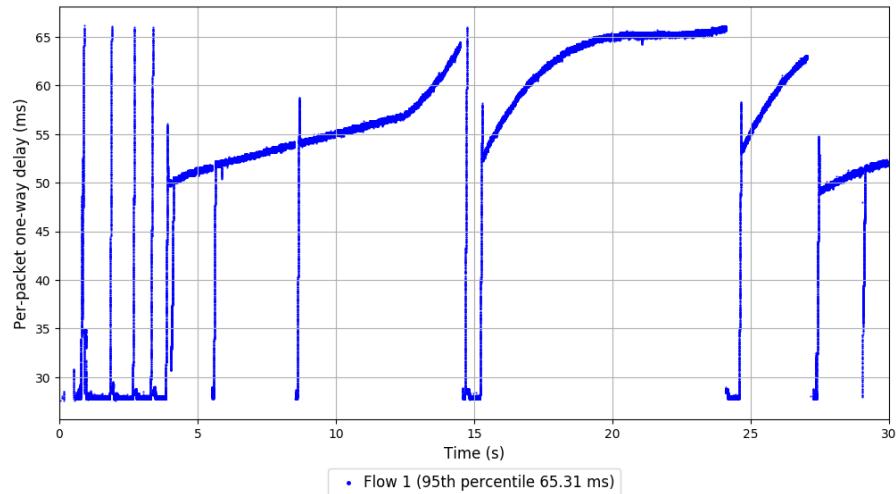
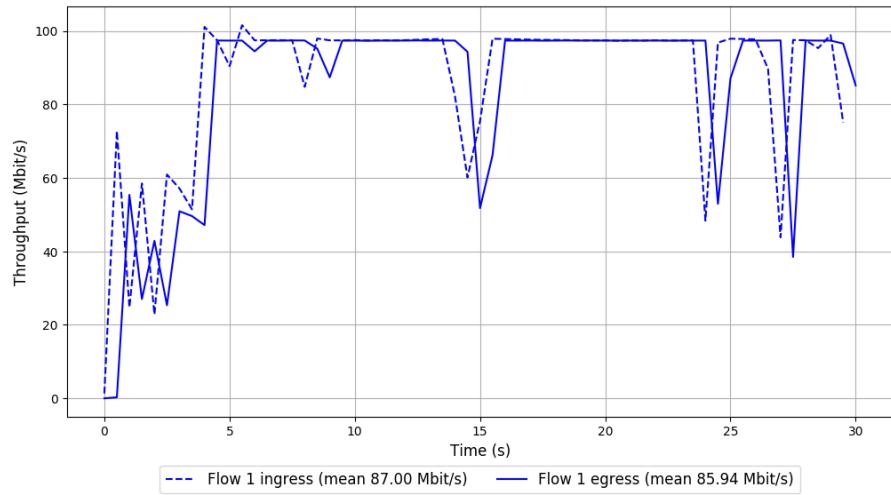


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-18 11:03:09
End at: 2018-06-18 11:03:39
Local clock offset: 0.321 ms
Remote clock offset: -3.5 ms

# Below is generated by plot.py at 2018-06-18 12:33:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 65.314 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 65.314 ms
Loss rate: 1.14%
```

Run 7: Report of QUIC Cubic — Data Link

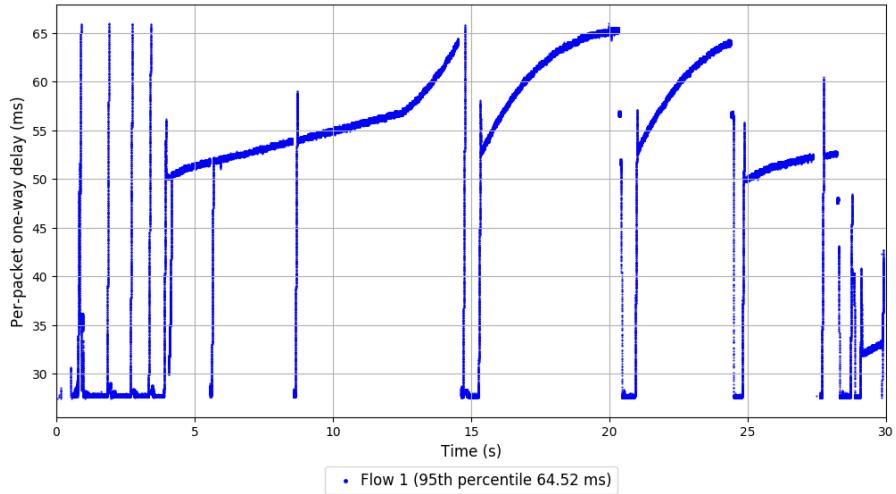
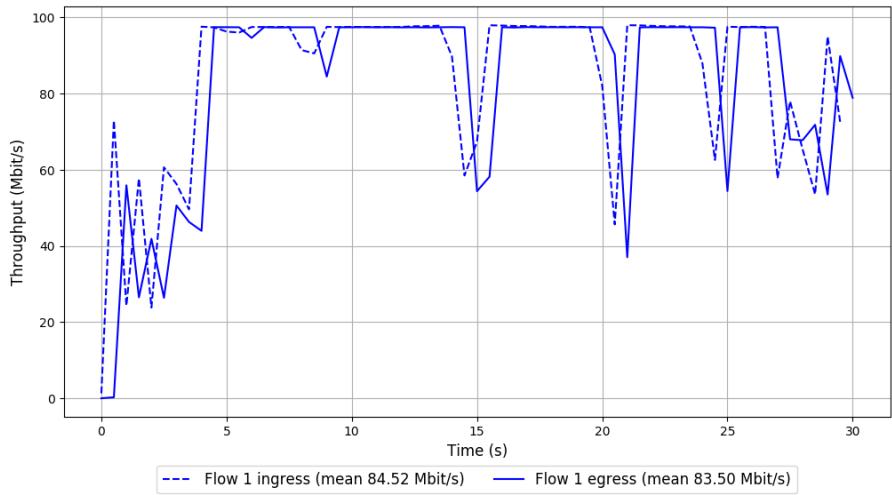


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-18 11:24:00
End at: 2018-06-18 11:24:30
Local clock offset: 0.436 ms
Remote clock offset: -4.13 ms

# Below is generated by plot.py at 2018-06-18 12:33:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 64.515 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 64.515 ms
Loss rate: 1.17%
```

Run 8: Report of QUIC Cubic — Data Link

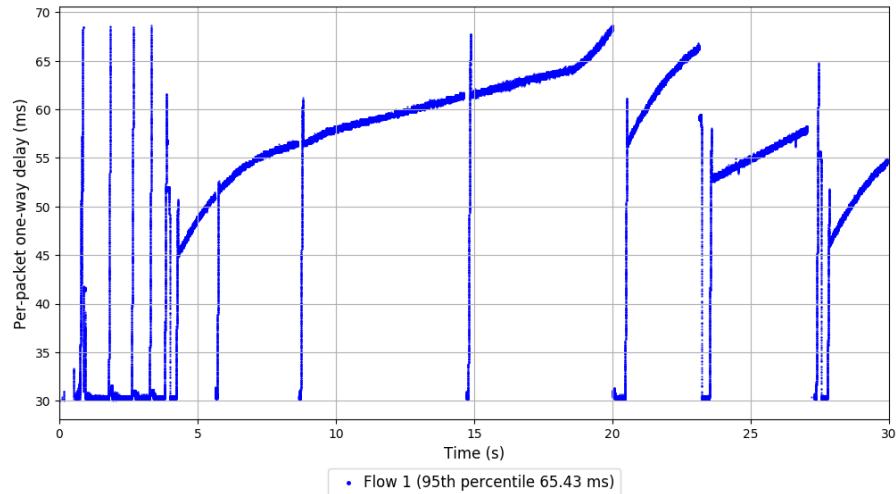
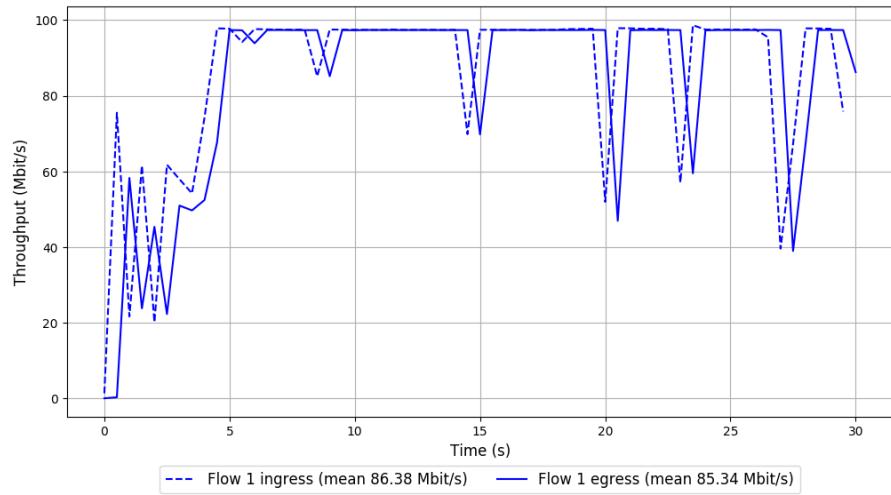


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-18 11:44:50
End at: 2018-06-18 11:45:20
Local clock offset: 0.257 ms
Remote clock offset: -0.763 ms

# Below is generated by plot.py at 2018-06-18 12:34:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 65.431 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 65.431 ms
Loss rate: 1.12%
```

Run 9: Report of QUIC Cubic — Data Link

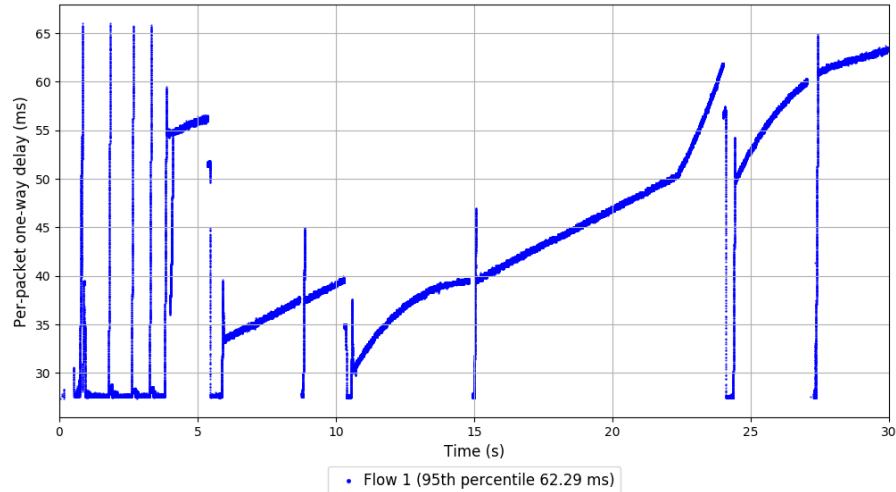
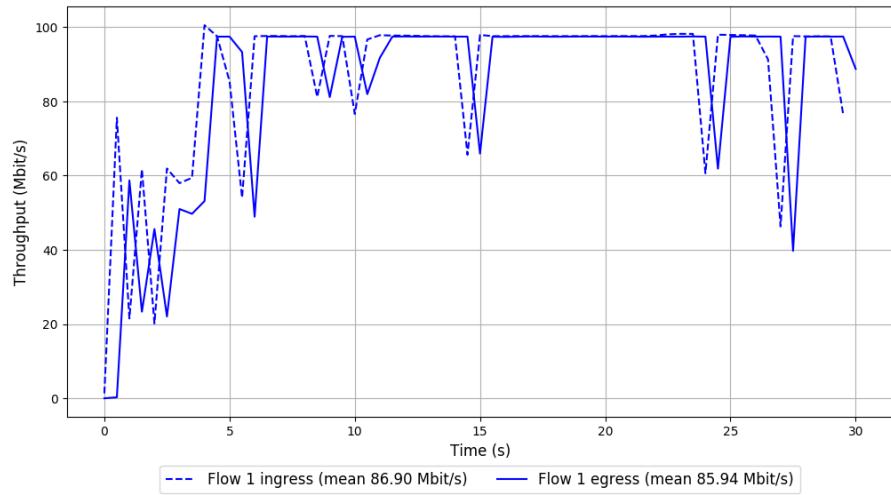


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-18 12:05:40
End at: 2018-06-18 12:06:10
Local clock offset: -0.206 ms
Remote clock offset: -3.023 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 62.287 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 62.287 ms
Loss rate: 0.99%
```

Run 10: Report of QUIC Cubic — Data Link

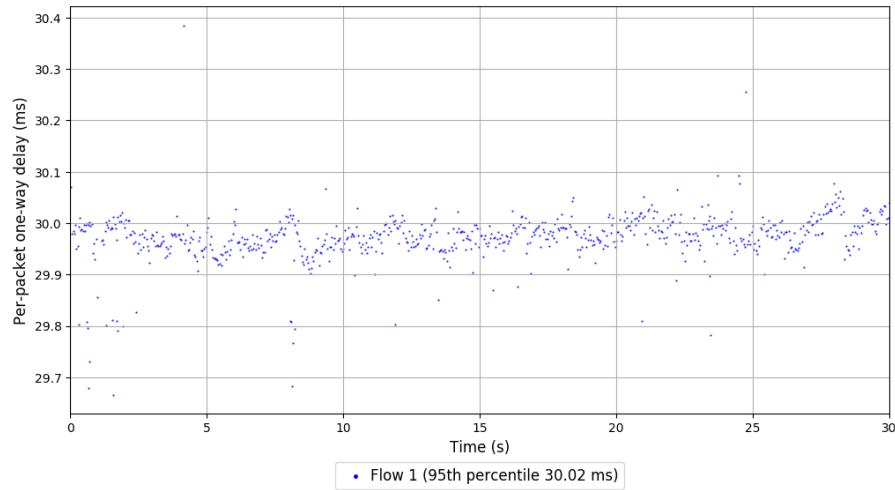
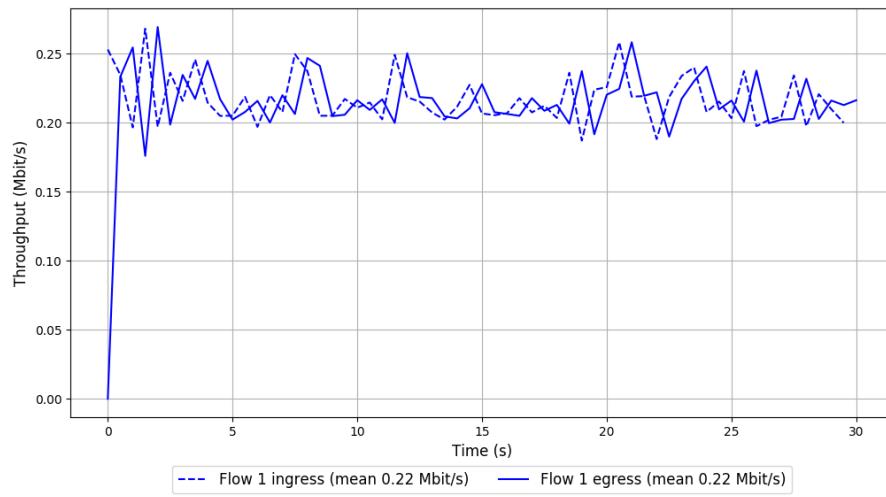


Run 1: Statistics of SCReAM

```
Start at: 2018-06-18 08:54:05
End at: 2018-06-18 08:54:35
Local clock offset: 1.47 ms
Remote clock offset: -1.689 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.024 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

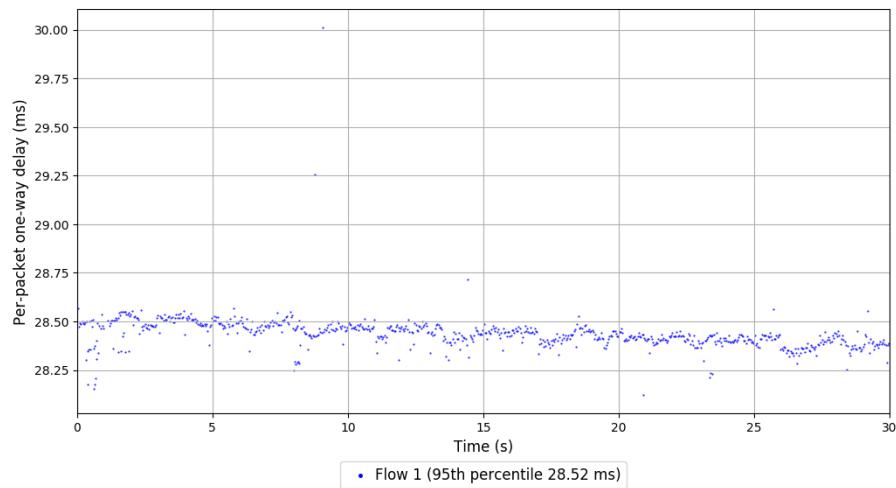
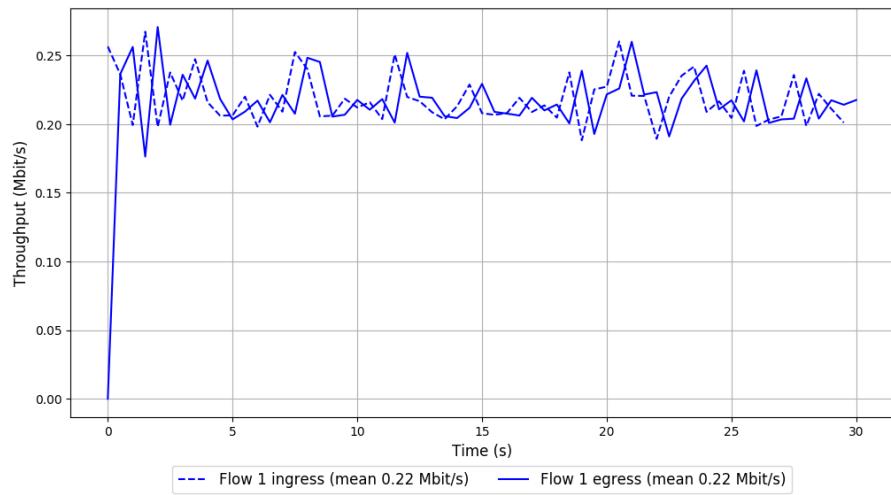


Run 2: Statistics of SCReAM

```
Start at: 2018-06-18 09:14:55
End at: 2018-06-18 09:15:25
Local clock offset: 0.721 ms
Remote clock offset: -1.83 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.525 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

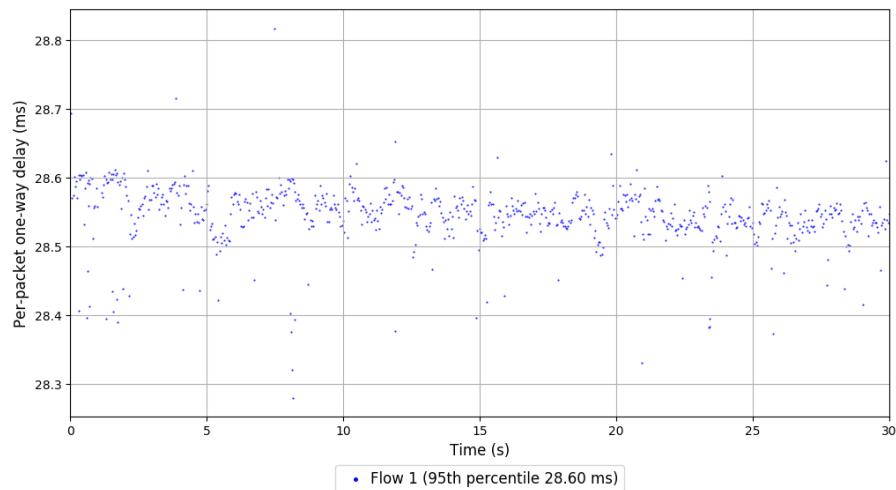
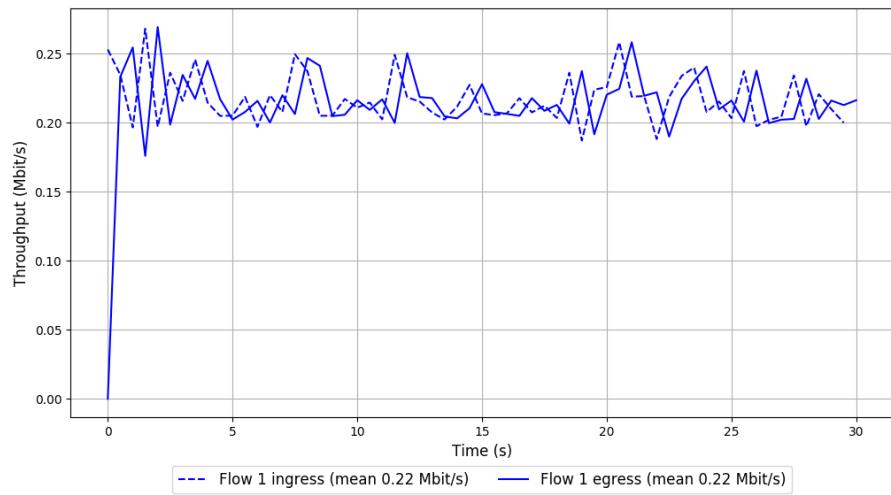


Run 3: Statistics of SCReAM

```
Start at: 2018-06-18 09:35:46
End at: 2018-06-18 09:36:16
Local clock offset: 0.544 ms
Remote clock offset: 0.224 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.597 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

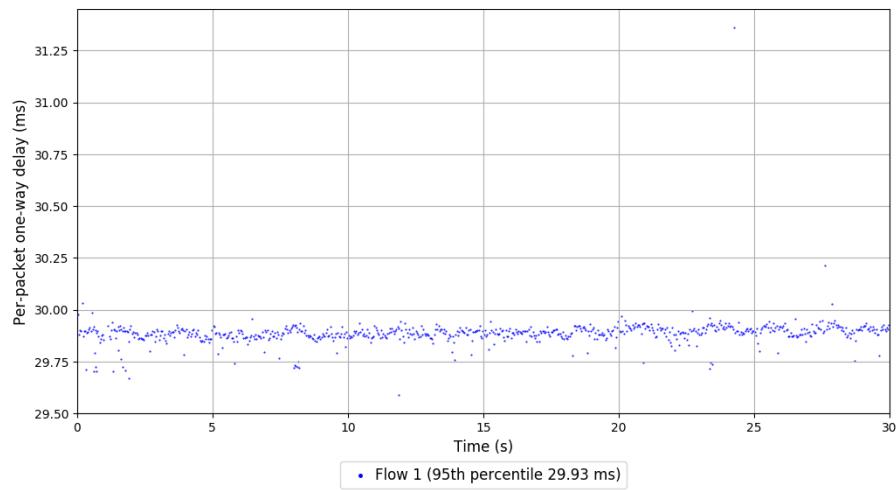
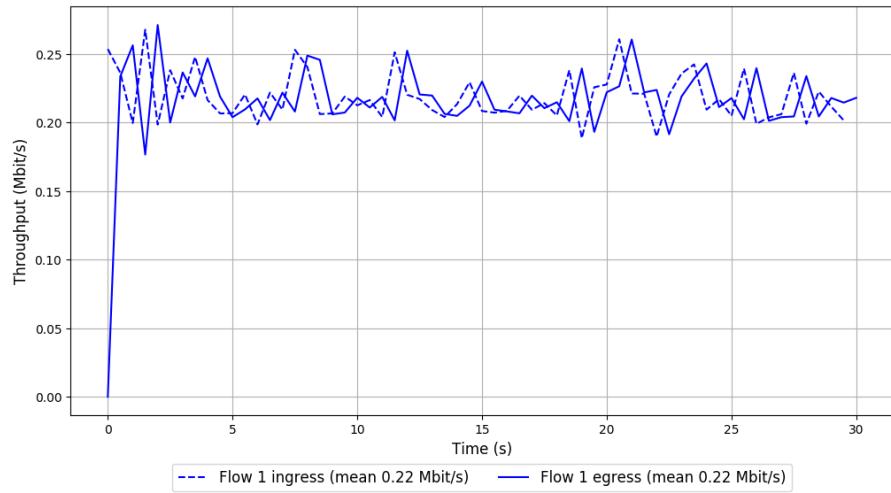


Run 4: Statistics of SCReAM

```
Start at: 2018-06-18 09:56:38
End at: 2018-06-18 09:57:08
Local clock offset: 0.594 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.932 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

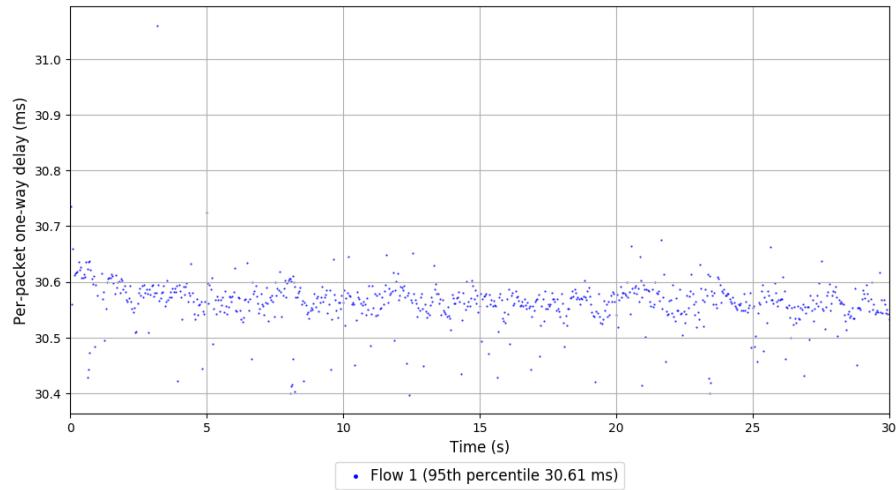
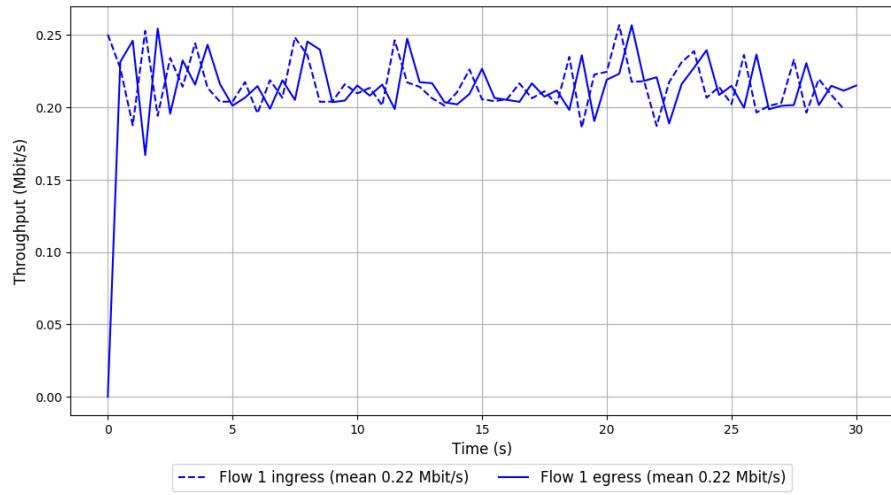


Run 5: Statistics of SCReAM

```
Start at: 2018-06-18 10:17:36
End at: 2018-06-18 10:18:06
Local clock offset: 0.55 ms
Remote clock offset: -0.615 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.613 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

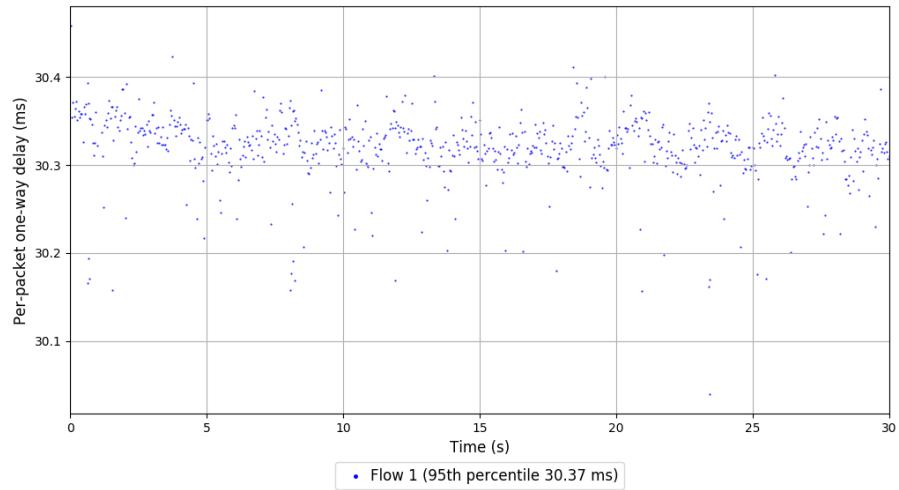
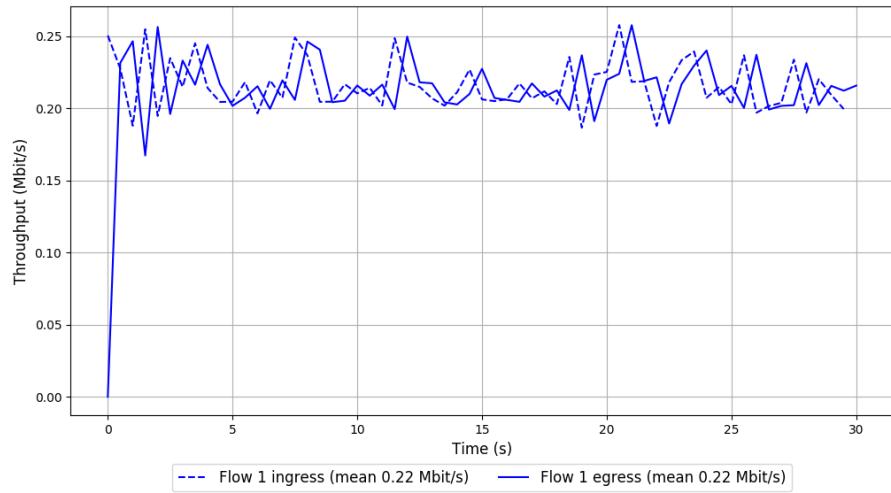


Run 6: Statistics of SCReAM

```
Start at: 2018-06-18 10:38:26
End at: 2018-06-18 10:38:56
Local clock offset: 0.532 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.368 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

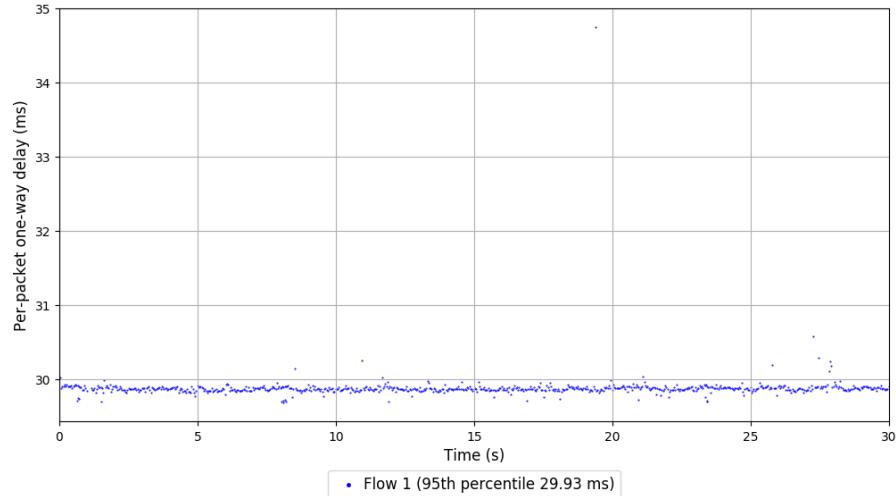
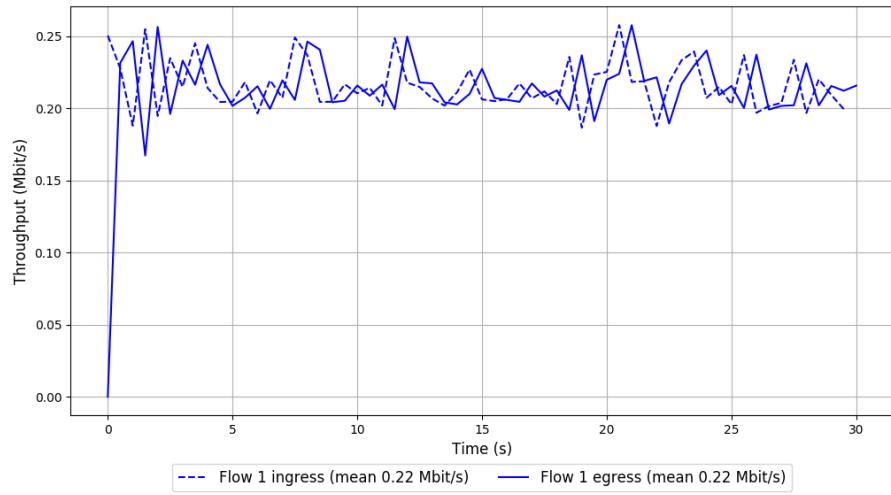


Run 7: Statistics of SCReAM

```
Start at: 2018-06-18 10:59:17
End at: 2018-06-18 10:59:47
Local clock offset: 0.414 ms
Remote clock offset: -1.276 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.928 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

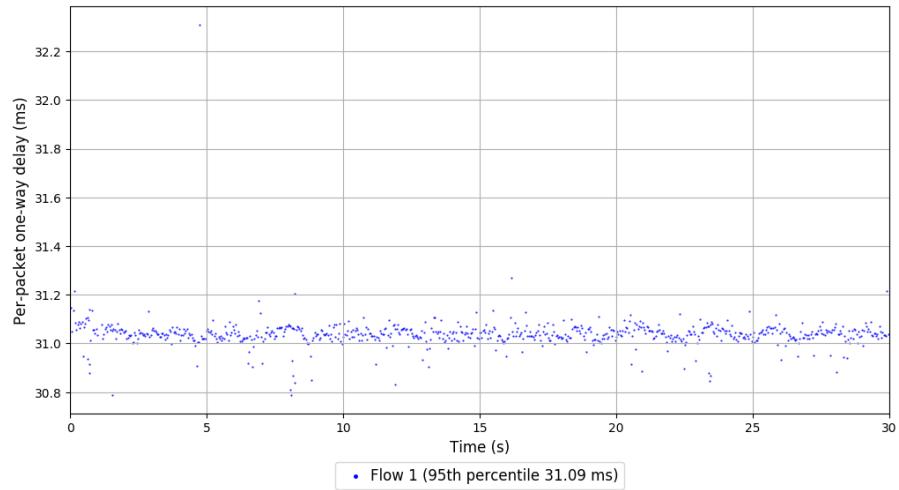
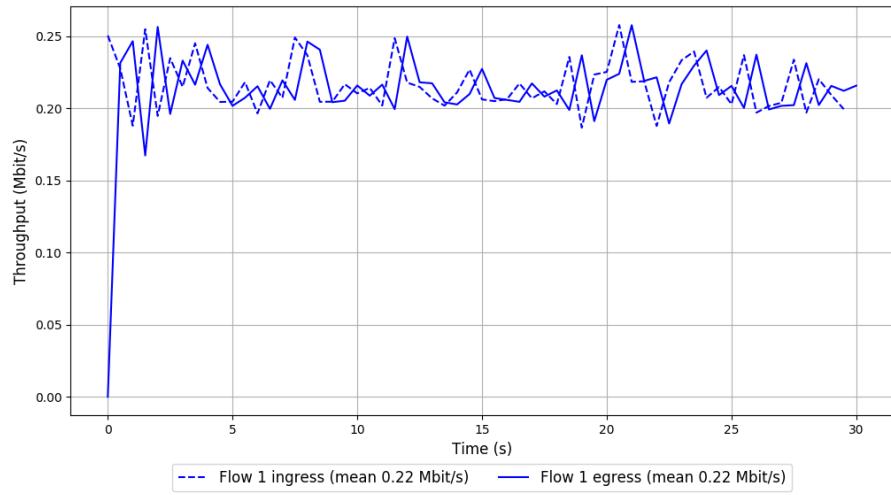


Run 8: Statistics of SCReAM

```
Start at: 2018-06-18 11:20:09
End at: 2018-06-18 11:20:39
Local clock offset: 0.427 ms
Remote clock offset: -1.489 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.090 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

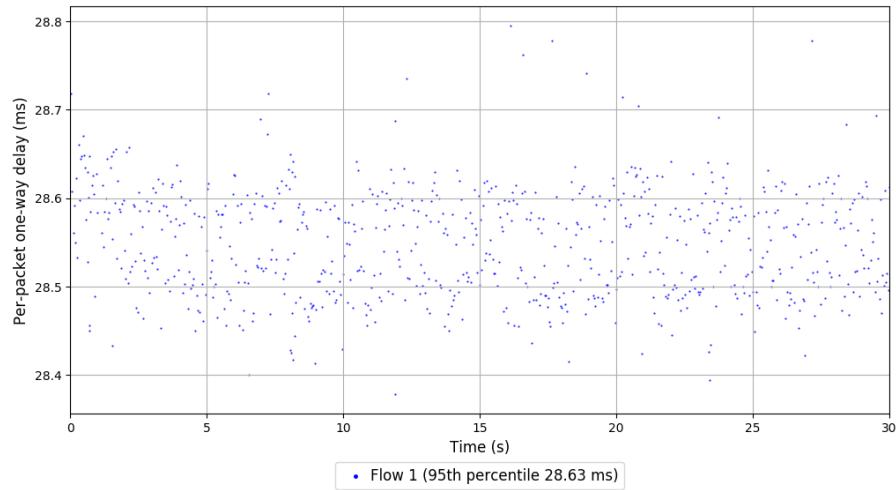
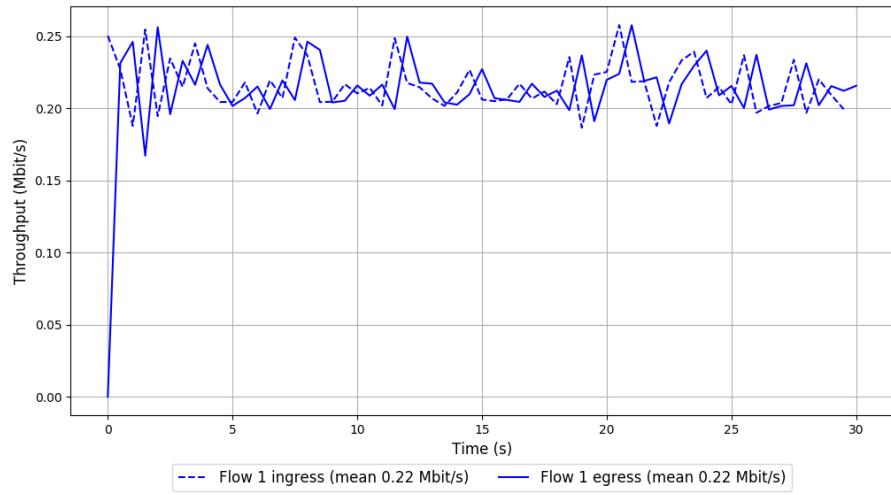


Run 9: Statistics of SCReAM

```
Start at: 2018-06-18 11:40:59
End at: 2018-06-18 11:41:29
Local clock offset: 0.245 ms
Remote clock offset: -3.167 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.634 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

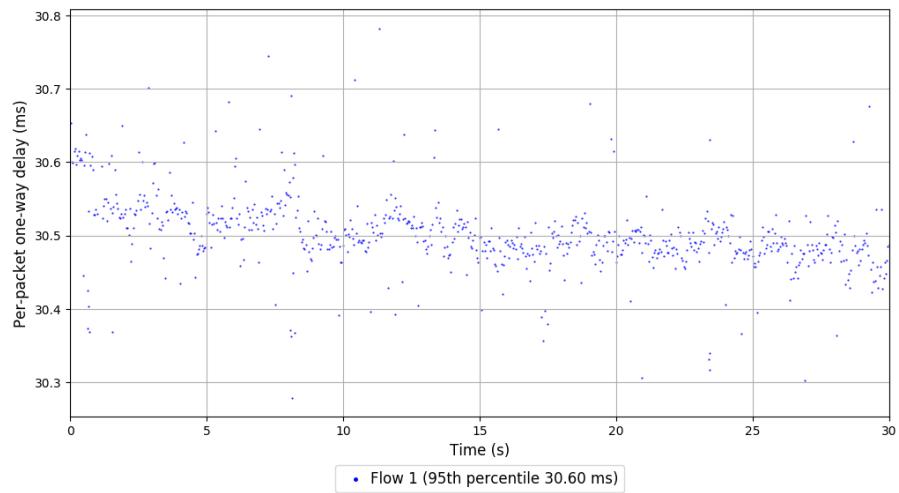
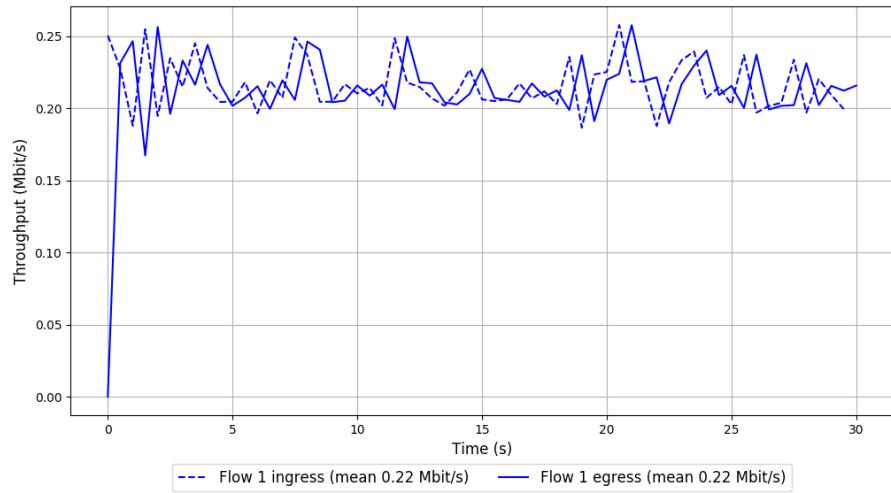


Run 10: Statistics of SCReAM

```
Start at: 2018-06-18 12:01:50
End at: 2018-06-18 12:02:20
Local clock offset: 0.139 ms
Remote clock offset: -1.371 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.602 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

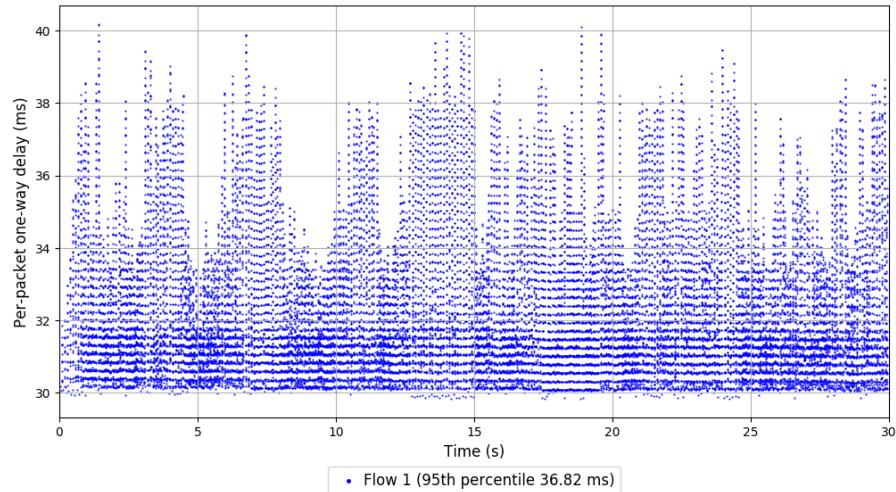
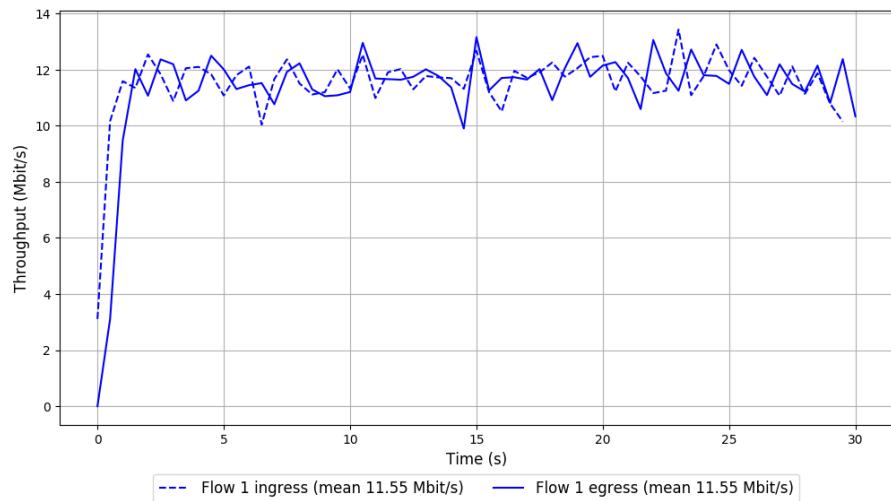


Run 1: Statistics of Sprout

```
Start at: 2018-06-18 09:04:26
End at: 2018-06-18 09:04:56
Local clock offset: 1.87 ms
Remote clock offset: -1.495 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 36.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 36.824 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

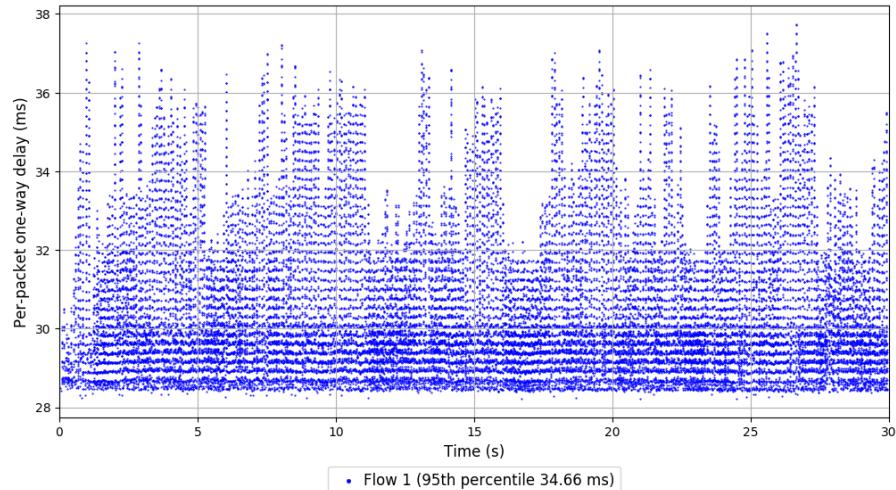
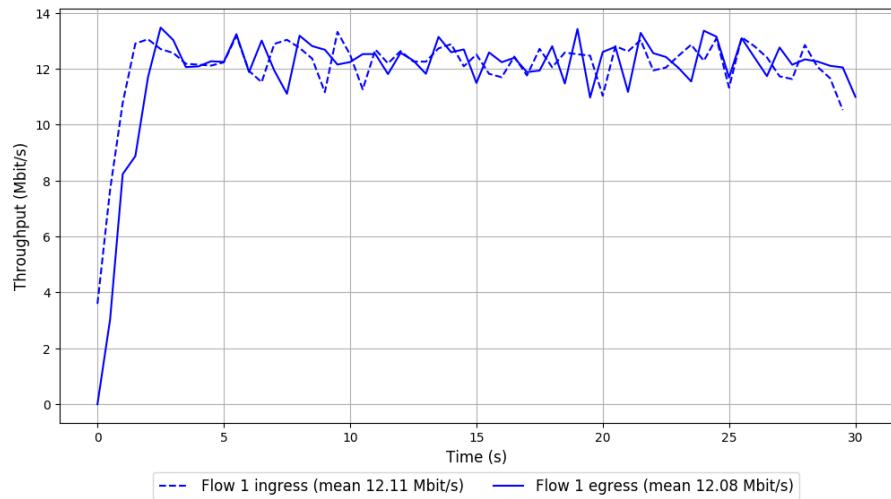


Run 2: Statistics of Sprout

```
Start at: 2018-06-18 09:25:18
End at: 2018-06-18 09:25:48
Local clock offset: 0.5 ms
Remote clock offset: -0.452 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 34.659 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 34.659 ms
Loss rate: 0.21%
```

Run 2: Report of Sprout — Data Link

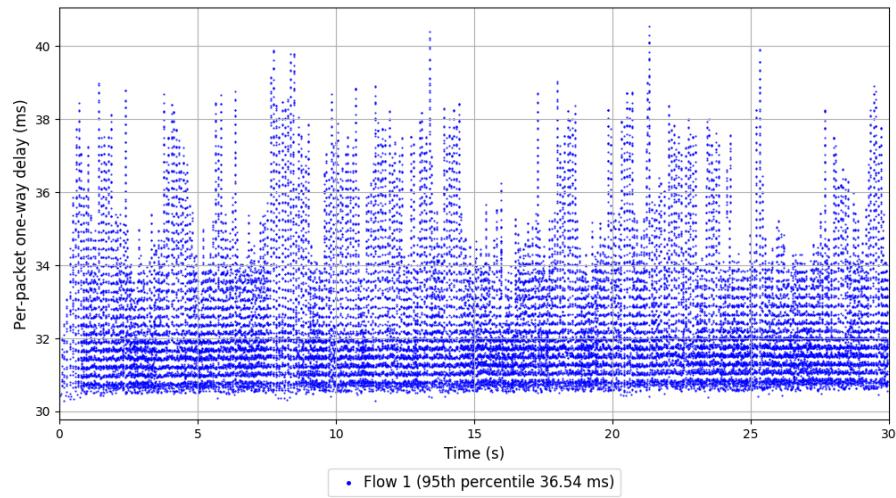
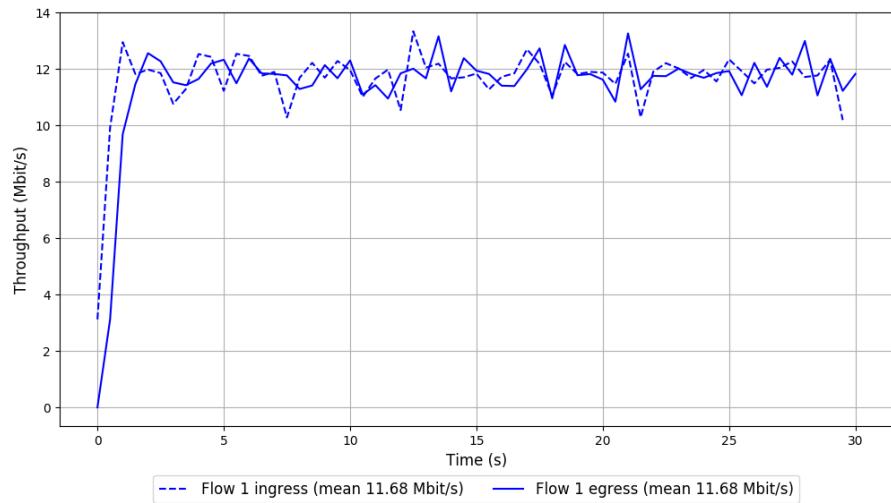


Run 3: Statistics of Sprout

```
Start at: 2018-06-18 09:46:10
End at: 2018-06-18 09:46:40
Local clock offset: 0.507 ms
Remote clock offset: 1.337 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 36.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 36.540 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

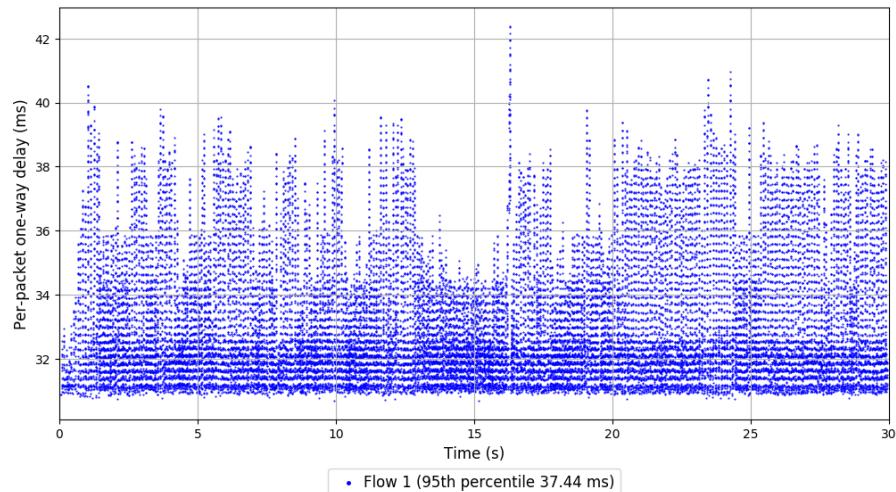
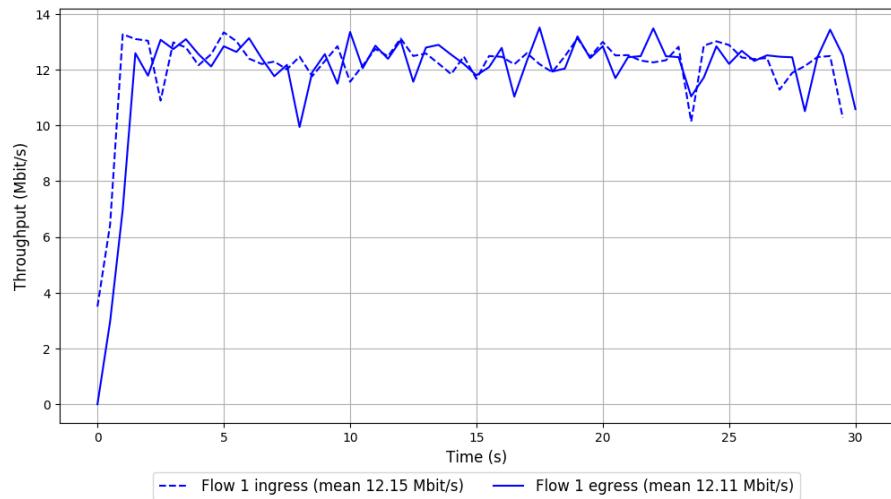


Run 4: Statistics of Sprout

```
Start at: 2018-06-18 10:07:05
End at: 2018-06-18 10:07:35
Local clock offset: 0.631 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 37.438 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 37.438 ms
Loss rate: 0.26%
```

Run 4: Report of Sprout — Data Link

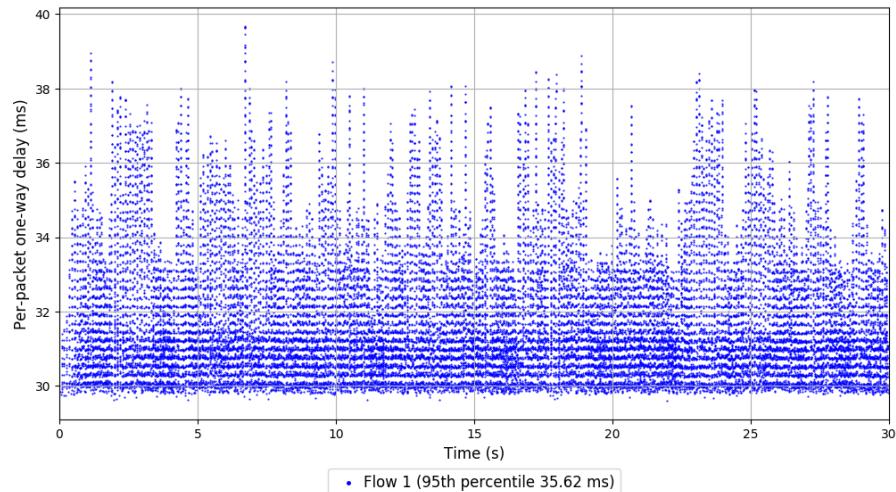
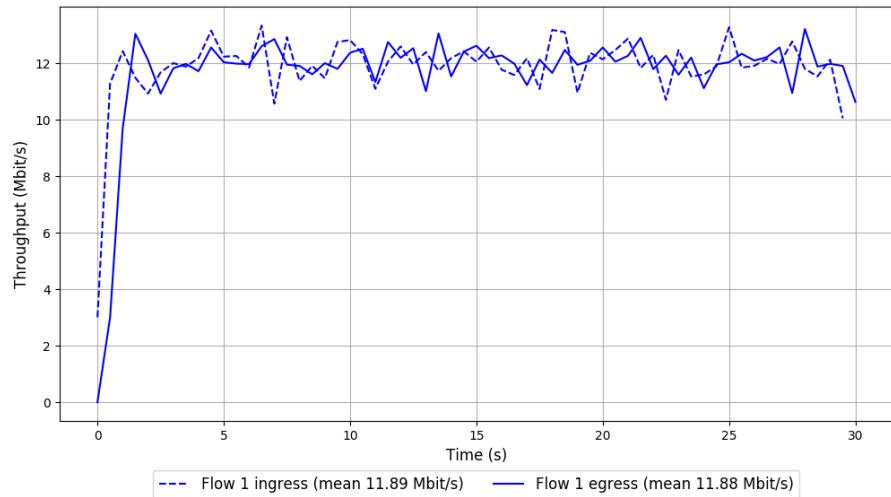


Run 5: Statistics of Sprout

```
Start at: 2018-06-18 10:27:59
End at: 2018-06-18 10:28:30
Local clock offset: 0.618 ms
Remote clock offset: -0.461 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 35.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 35.620 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

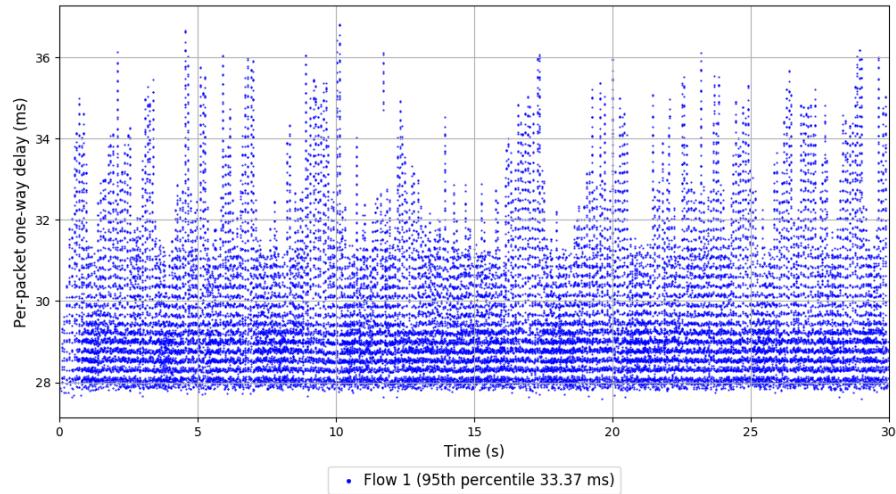
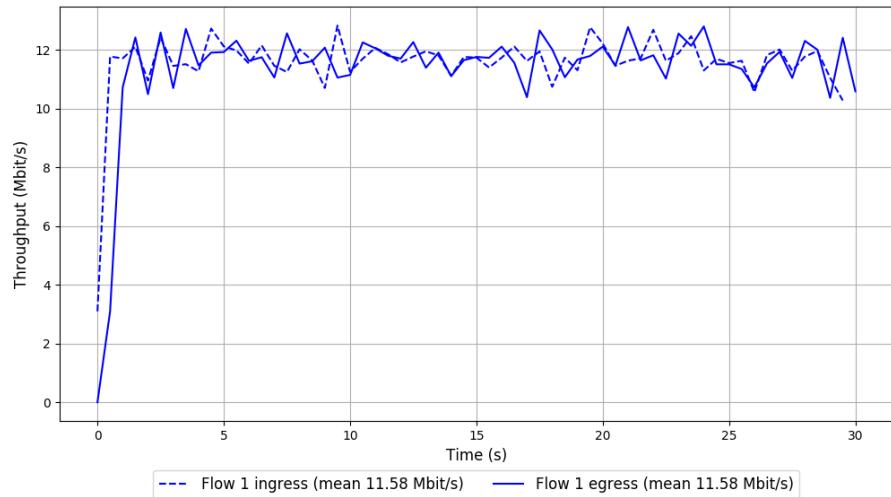


Run 6: Statistics of Sprout

```
Start at: 2018-06-18 10:48:48
End at: 2018-06-18 10:49:18
Local clock offset: 0.317 ms
Remote clock offset: -2.637 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 33.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 33.368 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

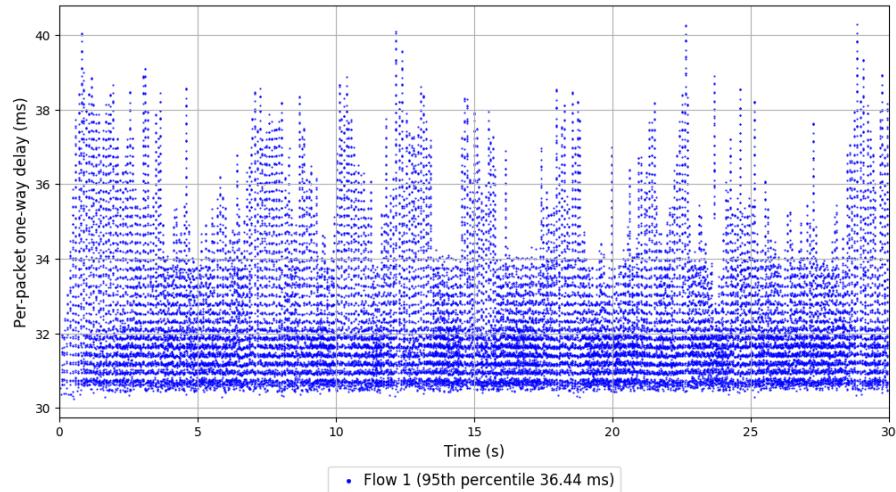
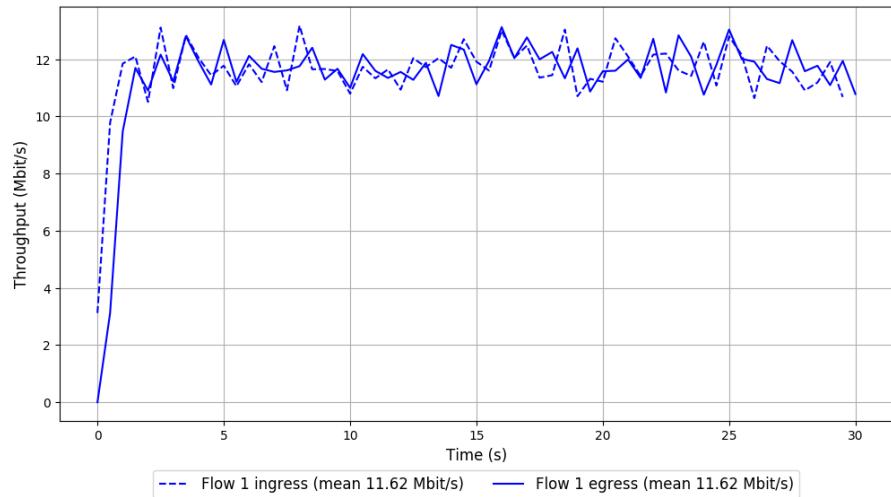


Run 7: Statistics of Sprout

```
Start at: 2018-06-18 11:09:42
End at: 2018-06-18 11:10:12
Local clock offset: 0.432 ms
Remote clock offset: -1.66 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 36.437 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 36.437 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

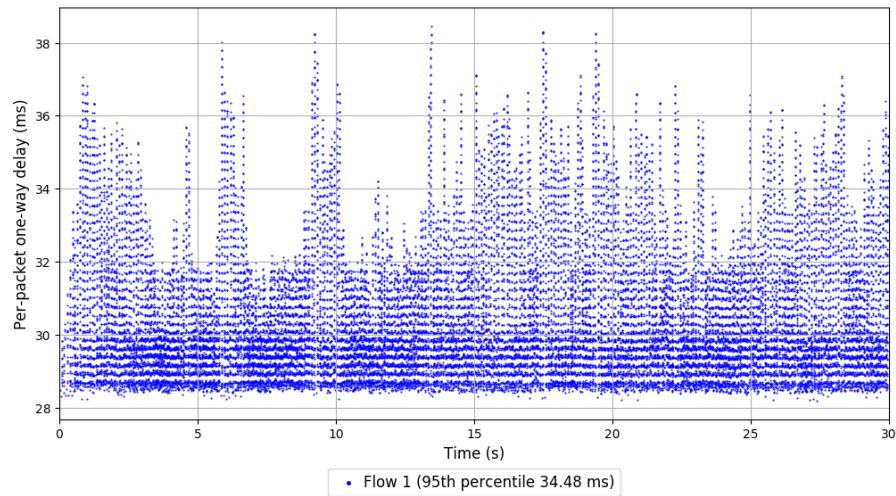
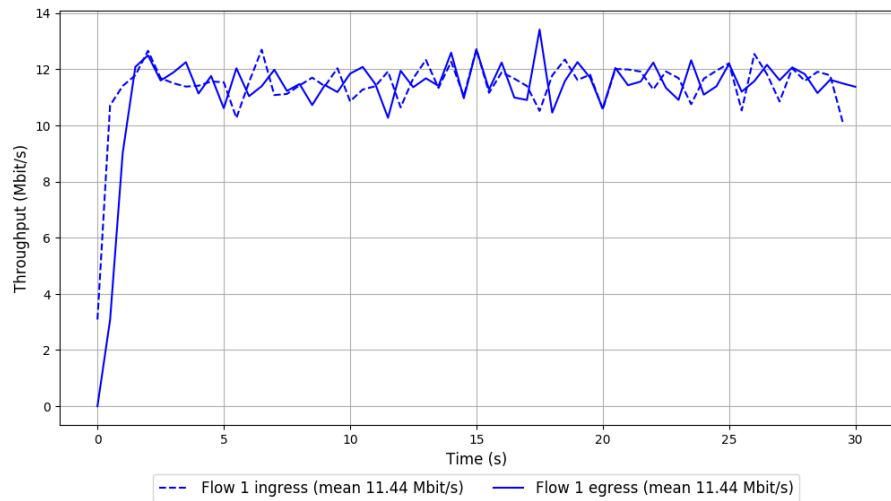


Run 8: Statistics of Sprout

```
Start at: 2018-06-18 11:30:31
End at: 2018-06-18 11:31:01
Local clock offset: 0.468 ms
Remote clock offset: -3.276 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 34.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 34.476 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

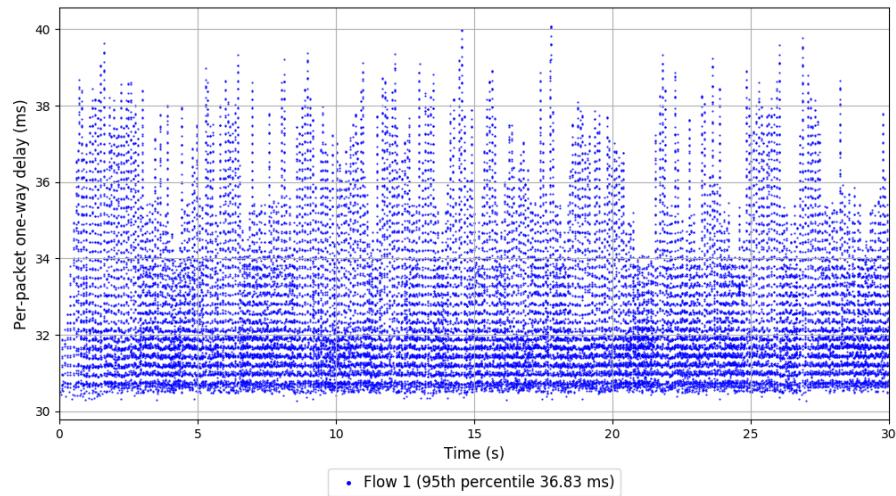
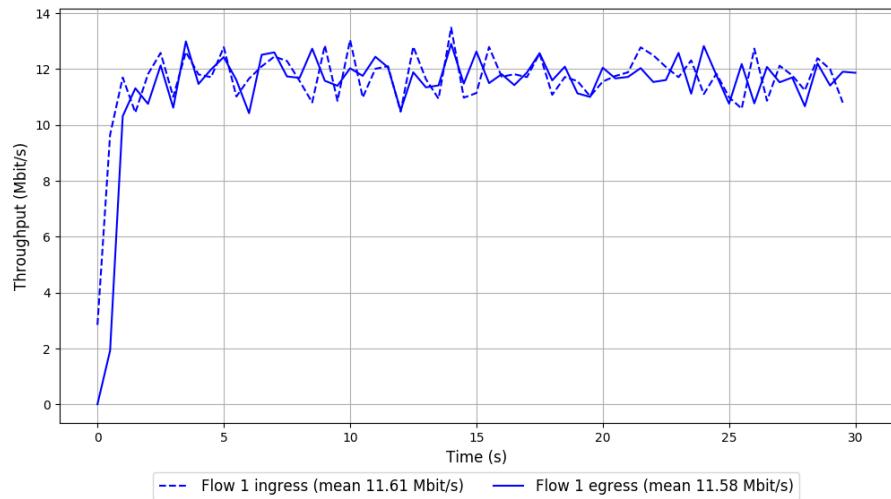


Run 9: Statistics of Sprout

```
Start at: 2018-06-18 11:51:22
End at: 2018-06-18 11:51:52
Local clock offset: 0.202 ms
Remote clock offset: -1.566 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 36.832 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 36.832 ms
Loss rate: 0.21%
```

Run 9: Report of Sprout — Data Link

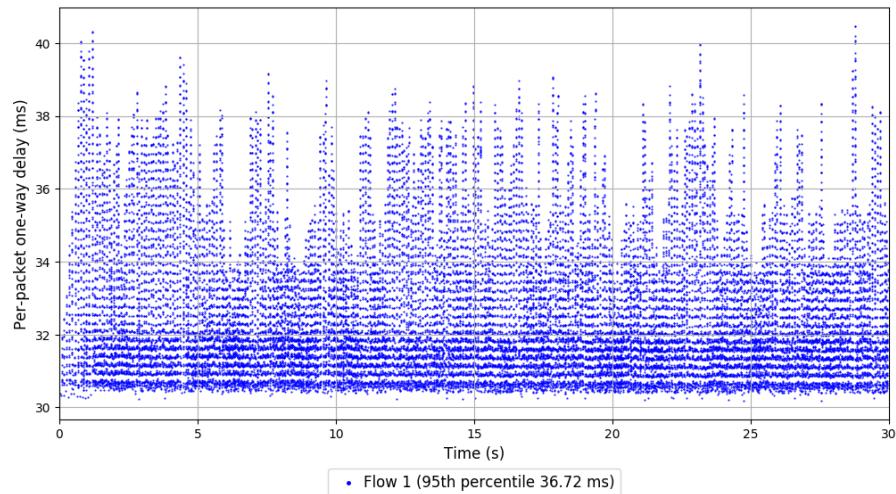
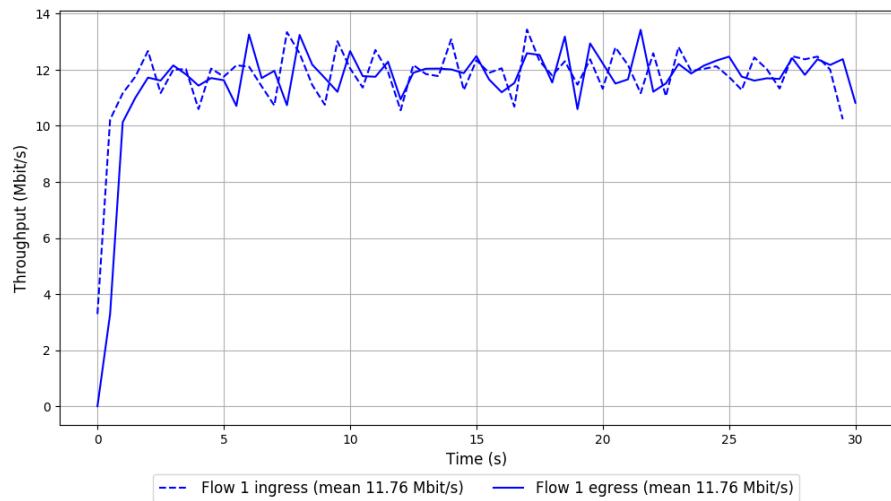


Run 10: Statistics of Sprout

```
Start at: 2018-06-18 12:12:13
End at: 2018-06-18 12:12:43
Local clock offset: -1.256 ms
Remote clock offset: -0.654 ms

# Below is generated by plot.py at 2018-06-18 12:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 36.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 36.722 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

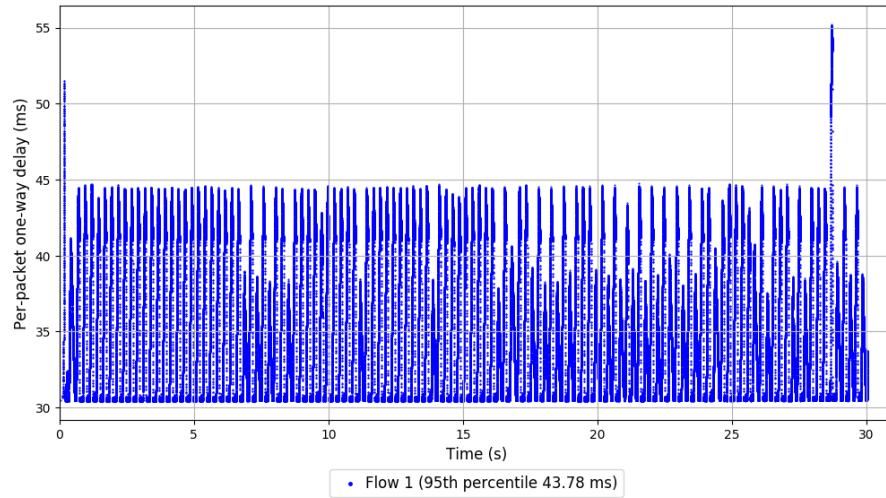
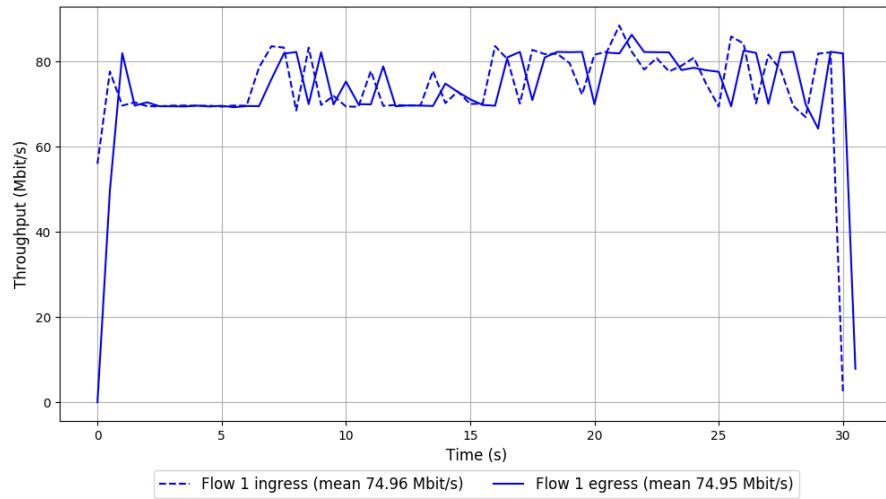


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-18 08:59:11
End at: 2018-06-18 08:59:41
Local clock offset: 1.701 ms
Remote clock offset: -1.83 ms

# Below is generated by plot.py at 2018-06-18 12:35:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 43.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 43.784 ms
Loss rate: 0.00%
```

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

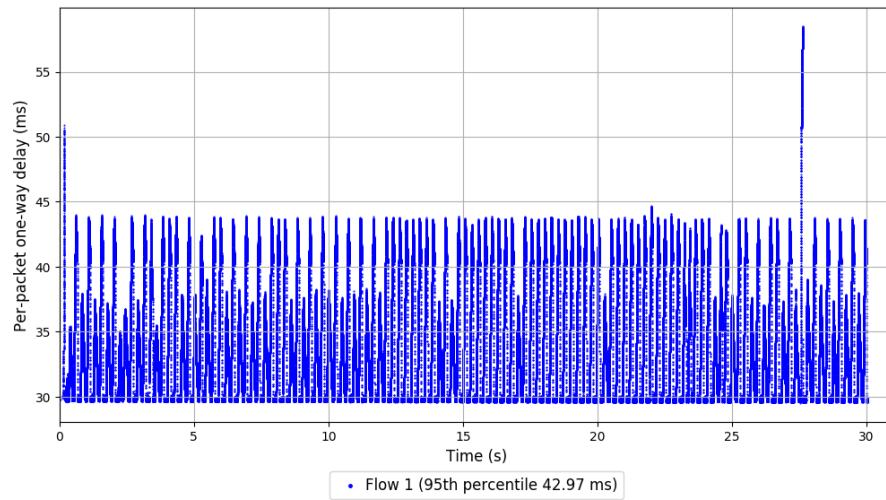
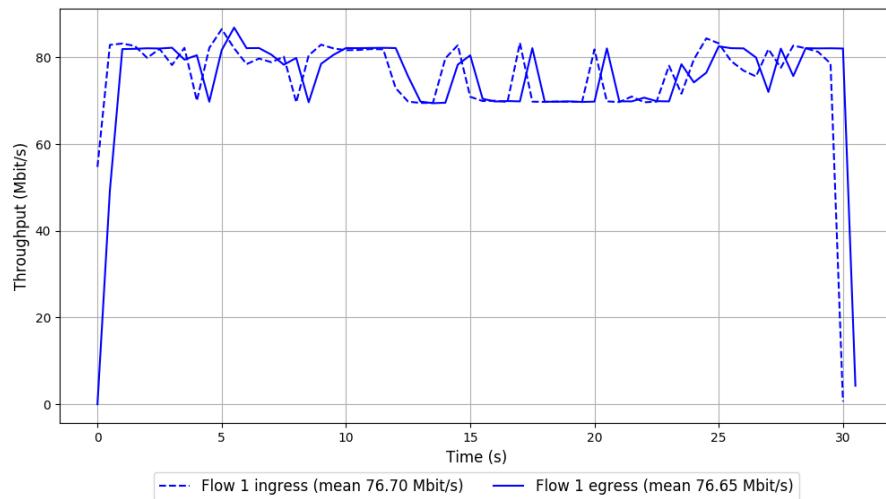


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-18 09:20:05
End at: 2018-06-18 09:20:35
Local clock offset: 0.664 ms
Remote clock offset: 1.051 ms

# Below is generated by plot.py at 2018-06-18 12:35:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 42.971 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 42.971 ms
Loss rate: 0.06%
```

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

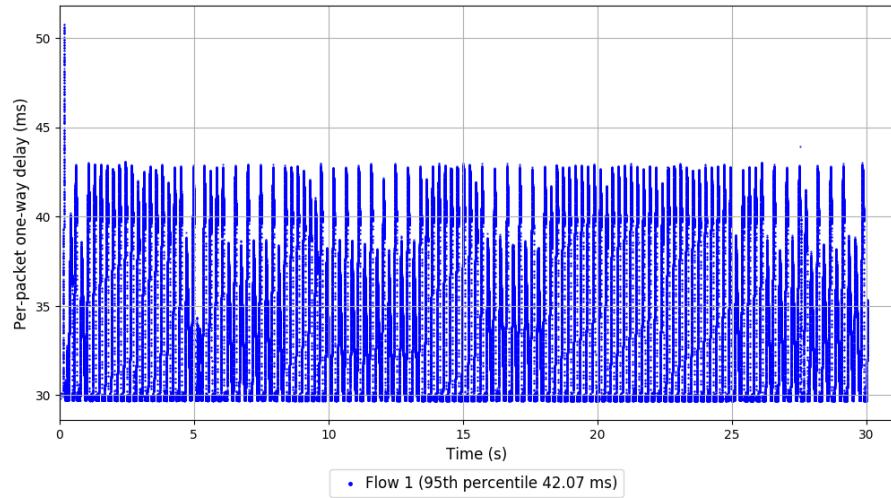
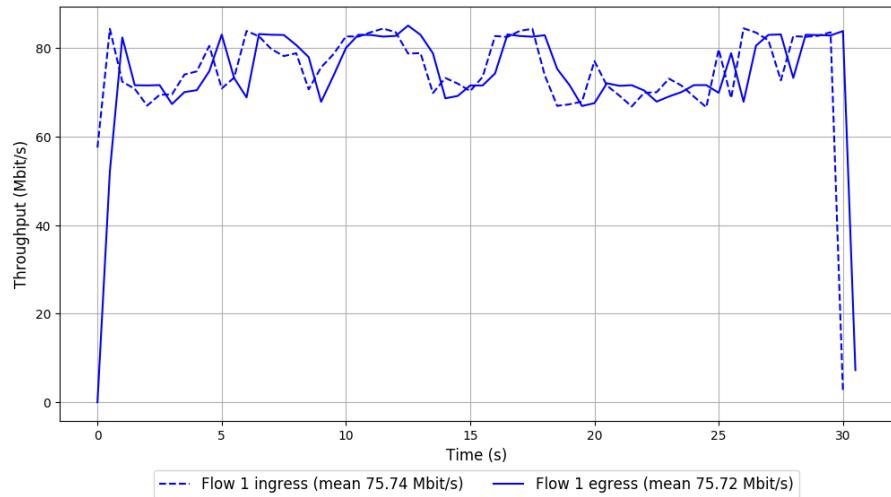


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-18 09:40:56
End at: 2018-06-18 09:41:26
Local clock offset: 0.541 ms
Remote clock offset: 2.455 ms

# Below is generated by plot.py at 2018-06-18 12:35:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 42.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 42.074 ms
Loss rate: 0.00%
```

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

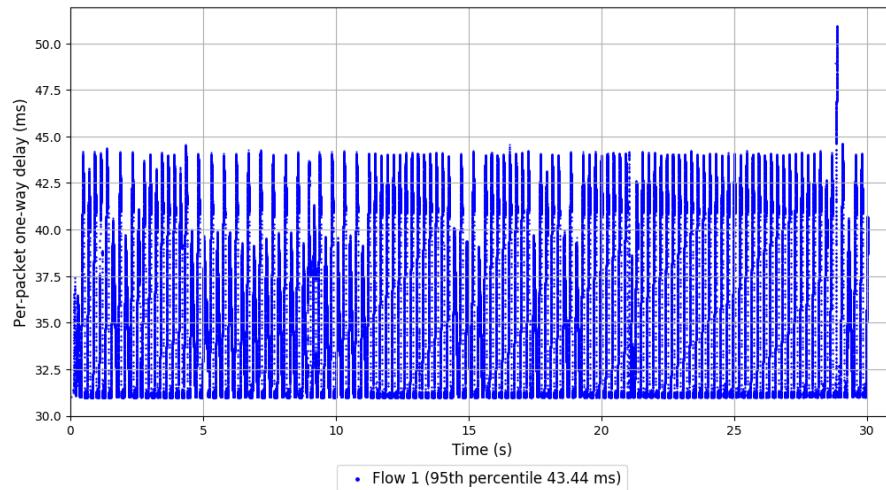
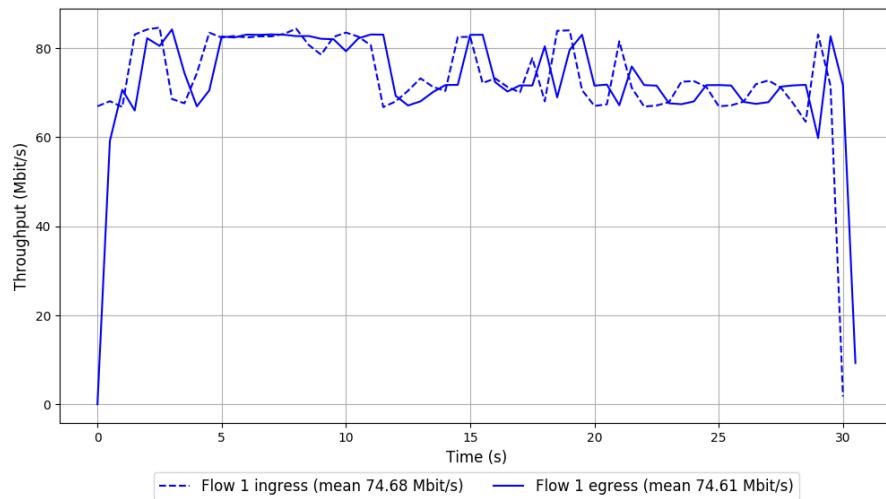


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-18 10:01:50
End at: 2018-06-18 10:02:20
Local clock offset: 0.653 ms
Remote clock offset: 0.293 ms

# Below is generated by plot.py at 2018-06-18 12:35:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 43.444 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 43.444 ms
Loss rate: 0.07%
```

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

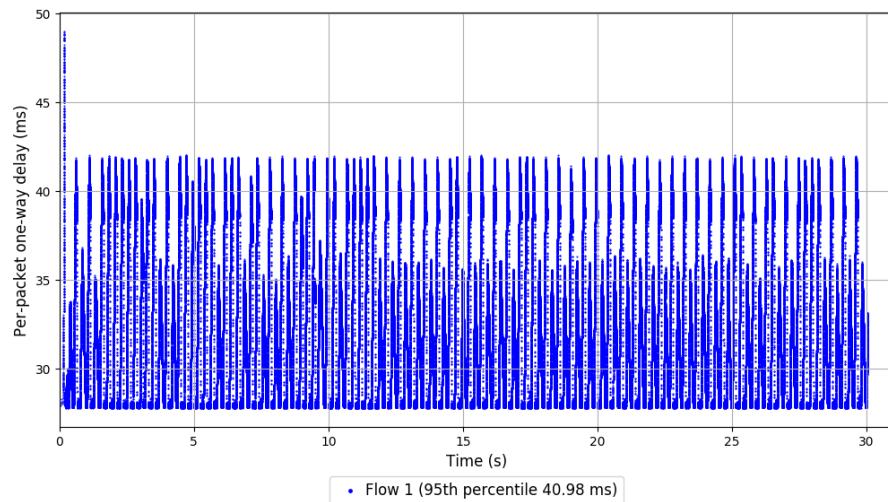
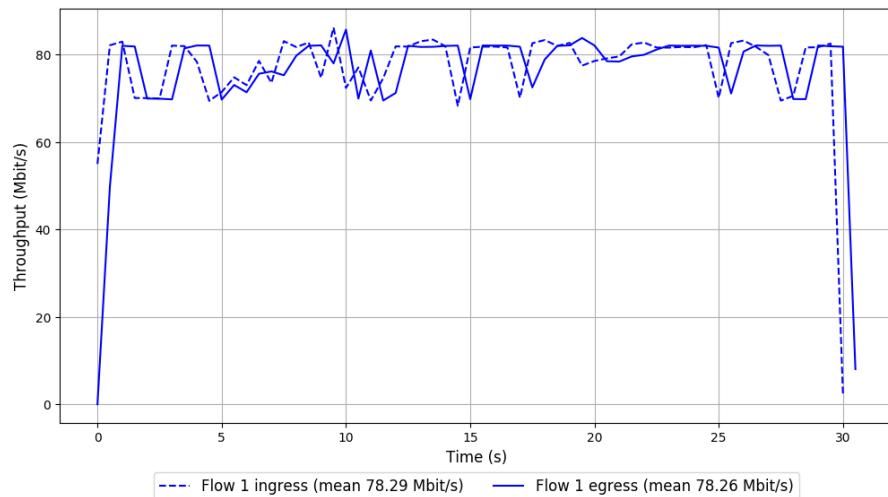


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-18 10:22:46
End at: 2018-06-18 10:23:16
Local clock offset: 0.514 ms
Remote clock offset: -2.552 ms

# Below is generated by plot.py at 2018-06-18 12:35:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 40.981 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 40.981 ms
Loss rate: 0.02%
```

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

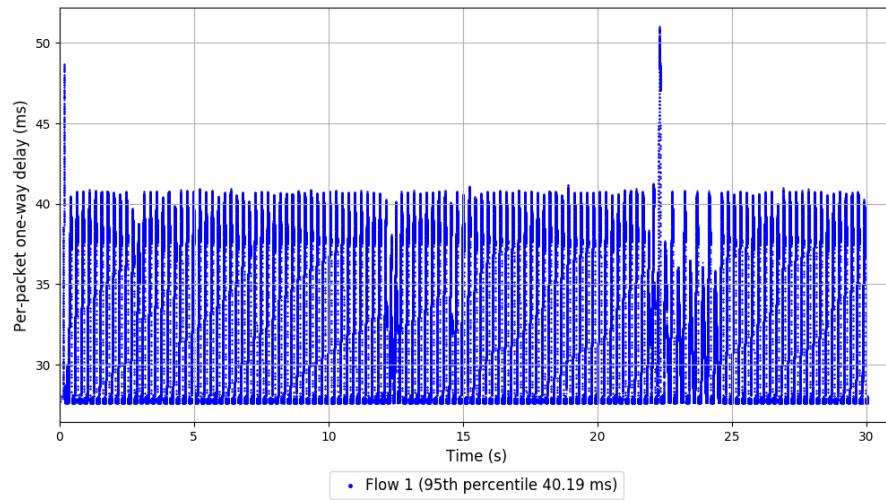
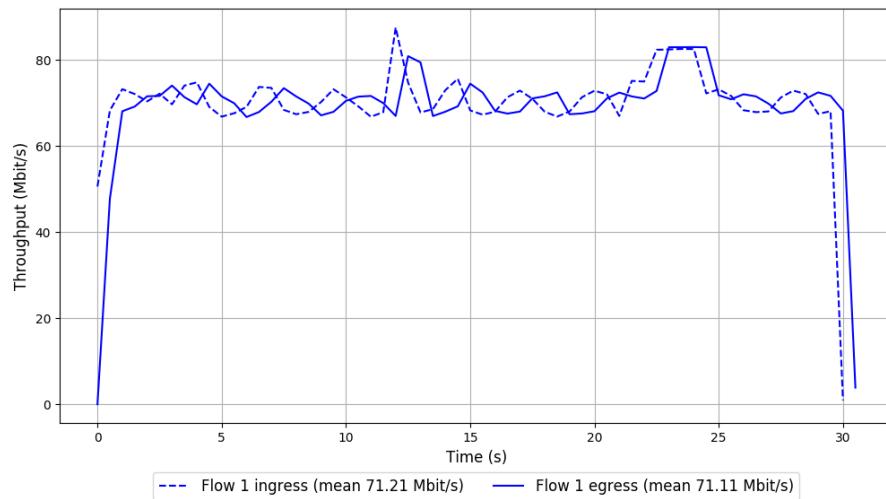


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-18 10:43:34
End at: 2018-06-18 10:44:04
Local clock offset: 0.427 ms
Remote clock offset: -2.65 ms

# Below is generated by plot.py at 2018-06-18 12:35:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 40.191 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 40.191 ms
Loss rate: 0.14%
```

Run 6: Report of TaoVA-100x — Data Link

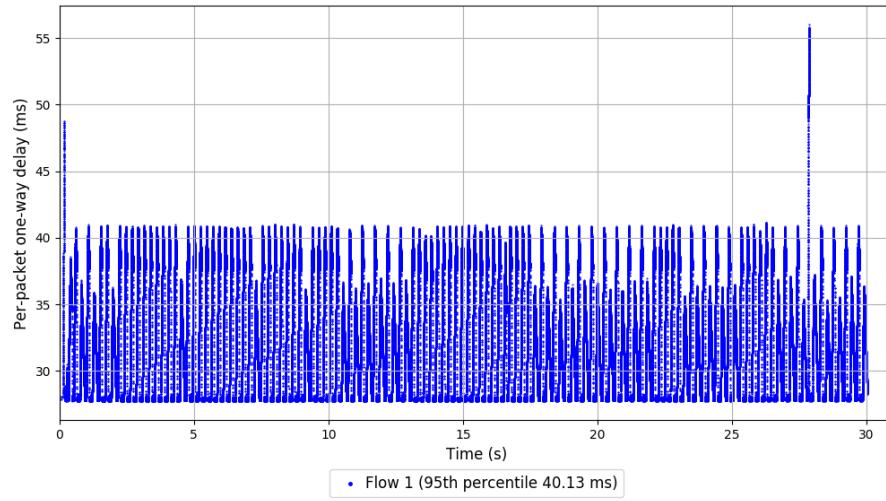
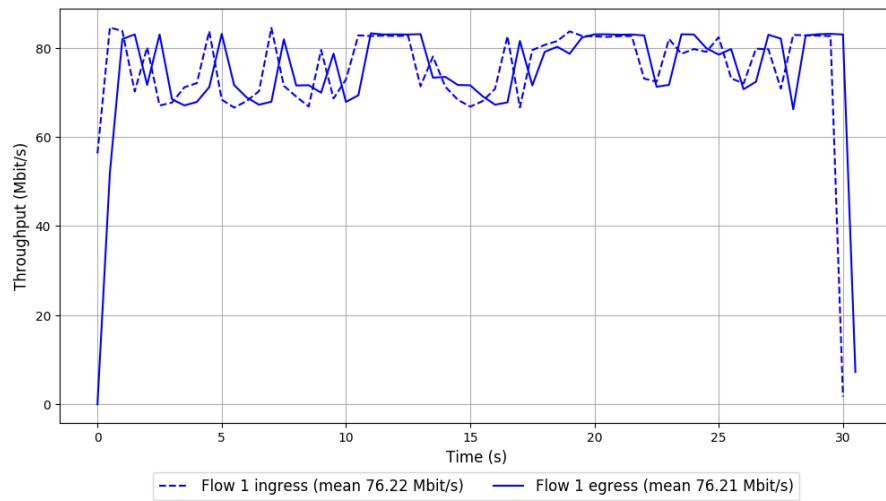


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-18 11:04:27
End at: 2018-06-18 11:04:57
Local clock offset: 0.413 ms
Remote clock offset: -3.508 ms

# Below is generated by plot.py at 2018-06-18 12:35:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 40.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 40.126 ms
Loss rate: 0.00%
```

Run 7: Report of TaoVA-100x — Data Link

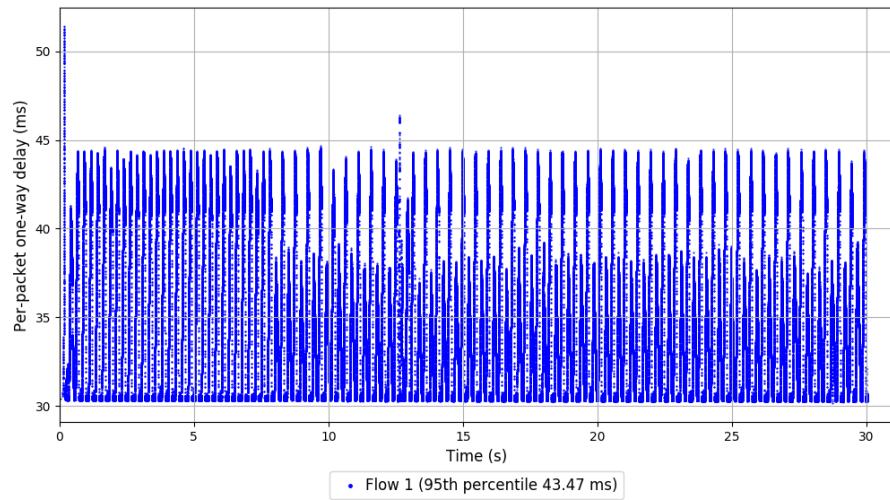
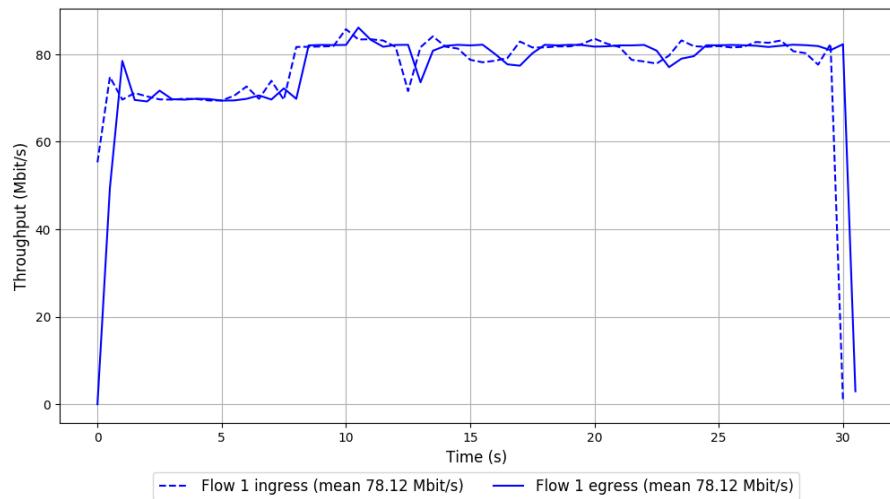


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-18 11:25:19
End at: 2018-06-18 11:25:49
Local clock offset: 0.457 ms
Remote clock offset: -1.884 ms

# Below is generated by plot.py at 2018-06-18 12:35:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 43.468 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 43.468 ms
Loss rate: 0.01%
```

Run 8: Report of TaoVA-100x — Data Link

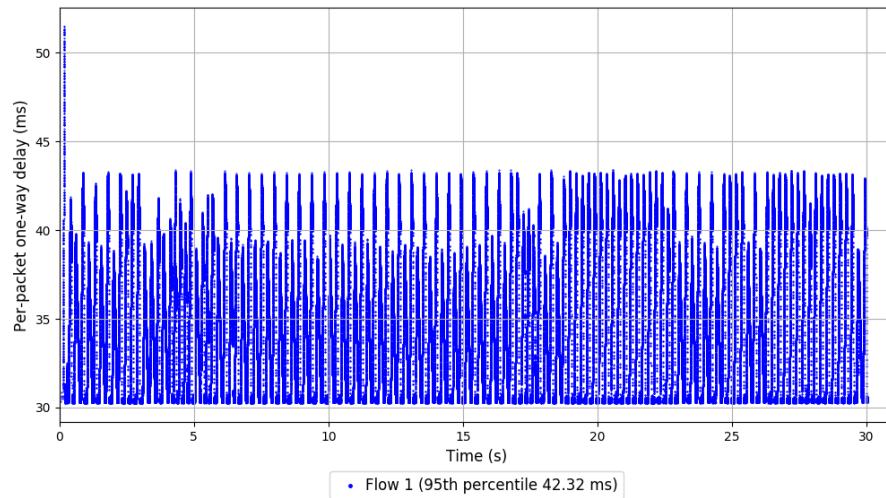
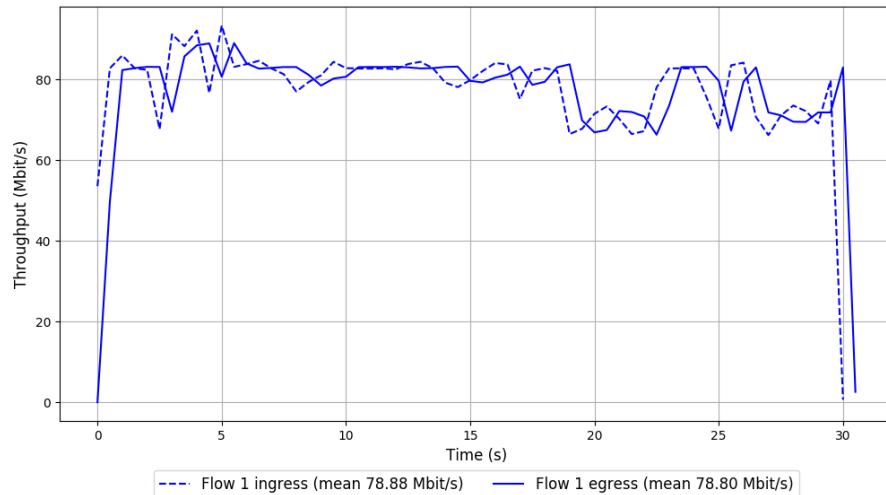


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-18 11:46:08
End at: 2018-06-18 11:46:38
Local clock offset: 0.247 ms
Remote clock offset: -0.805 ms

# Below is generated by plot.py at 2018-06-18 12:37:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.80 Mbit/s
95th percentile per-packet one-way delay: 42.320 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 78.80 Mbit/s
95th percentile per-packet one-way delay: 42.320 ms
Loss rate: 0.10%
```

Run 9: Report of TaoVA-100x — Data Link

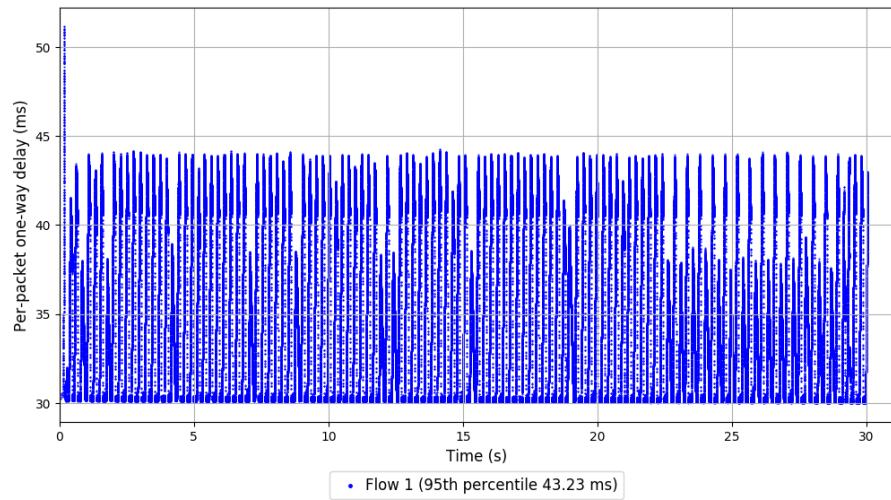
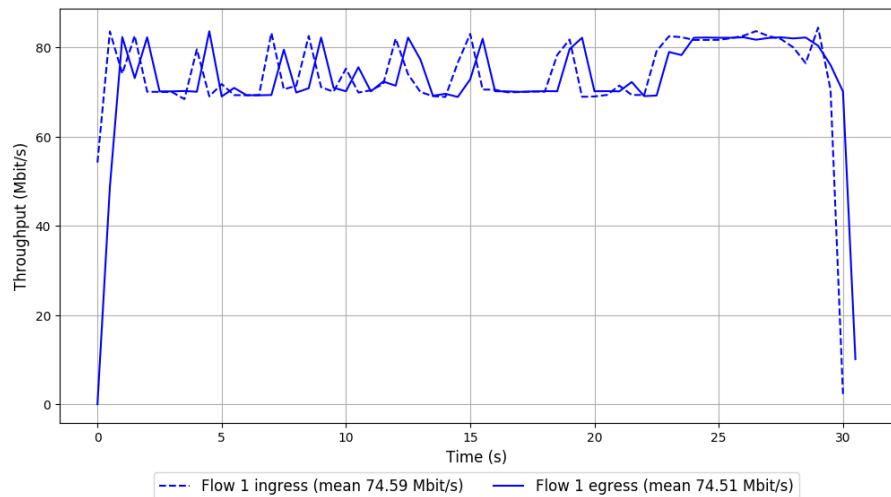


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-18 12:06:59
End at: 2018-06-18 12:07:29
Local clock offset: -0.515 ms
Remote clock offset: -0.413 ms

# Below is generated by plot.py at 2018-06-18 12:37:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.51 Mbit/s
95th percentile per-packet one-way delay: 43.230 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 74.51 Mbit/s
95th percentile per-packet one-way delay: 43.230 ms
Loss rate: 0.06%
```

Run 10: Report of TaoVA-100x — Data Link

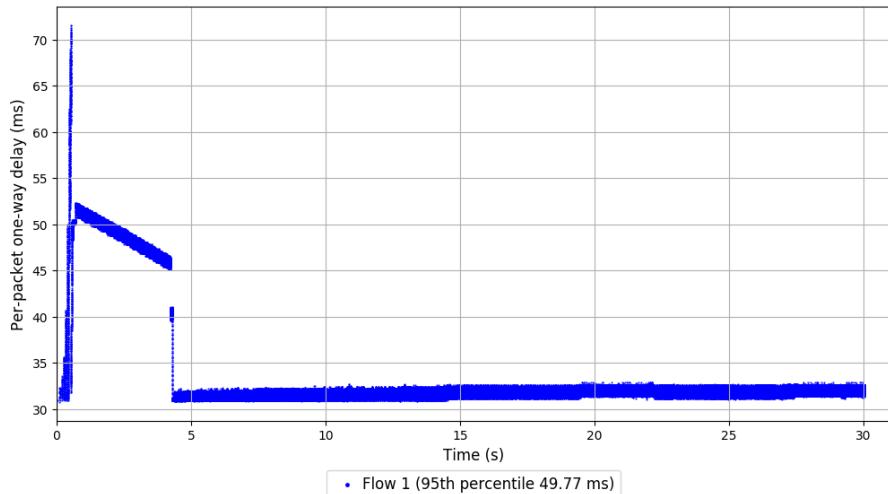
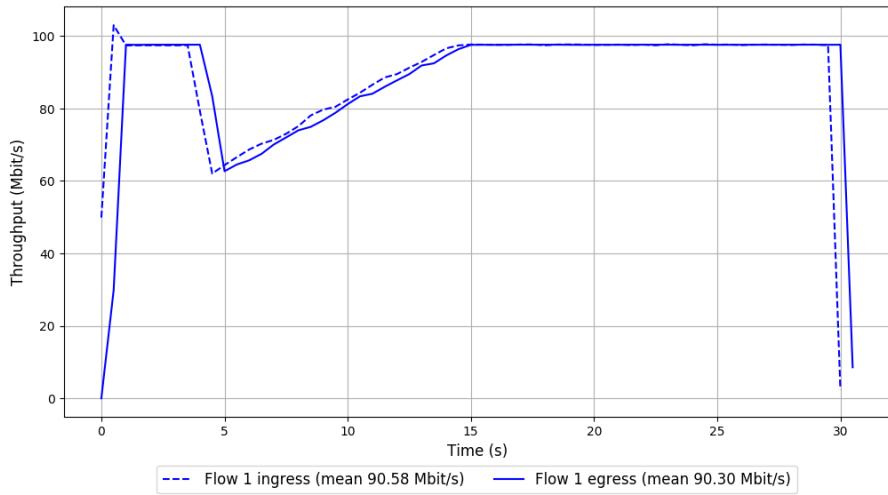


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-18 09:01:50
End at: 2018-06-18 09:02:20
Local clock offset: 1.773 ms
Remote clock offset: -1.443 ms

# Below is generated by plot.py at 2018-06-18 12:37:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 49.774 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 49.774 ms
Loss rate: 0.30%
```

Run 1: Report of TCP Vegas — Data Link

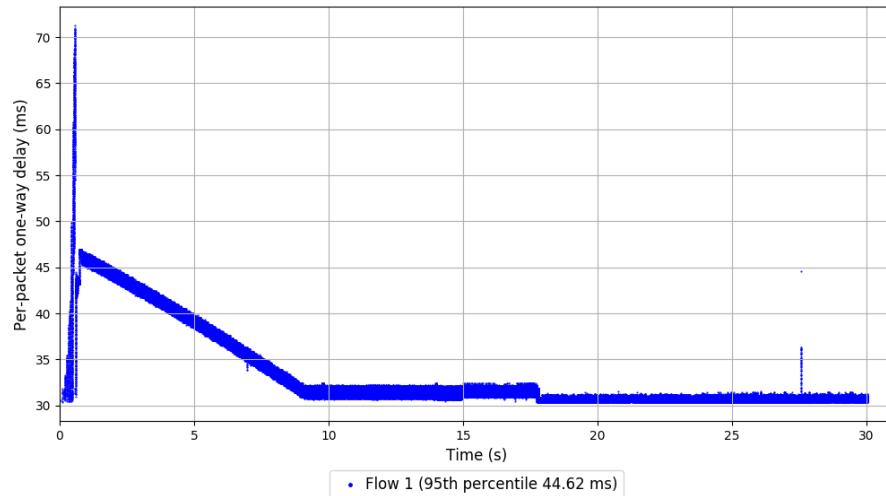
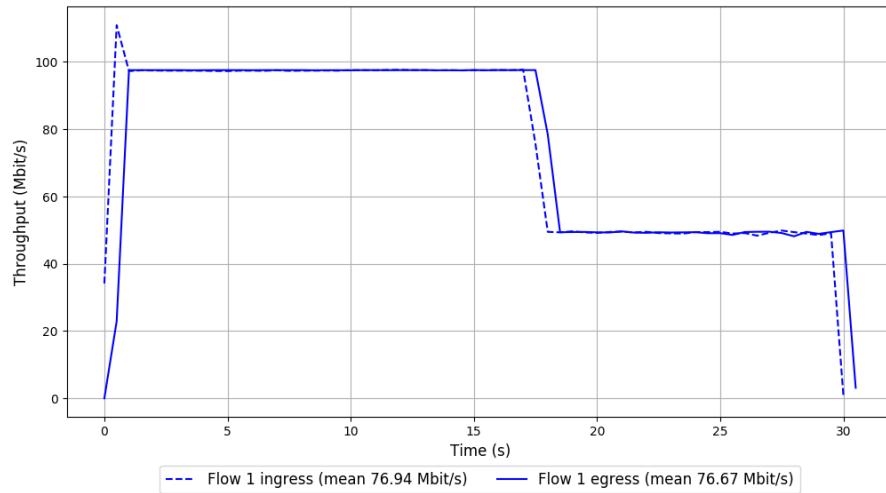


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-18 09:22:43
End at: 2018-06-18 09:23:13
Local clock offset: 0.632 ms
Remote clock offset: 1.42 ms

# Below is generated by plot.py at 2018-06-18 12:37:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.67 Mbit/s
95th percentile per-packet one-way delay: 44.621 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 76.67 Mbit/s
95th percentile per-packet one-way delay: 44.621 ms
Loss rate: 0.35%
```

Run 2: Report of TCP Vegas — Data Link

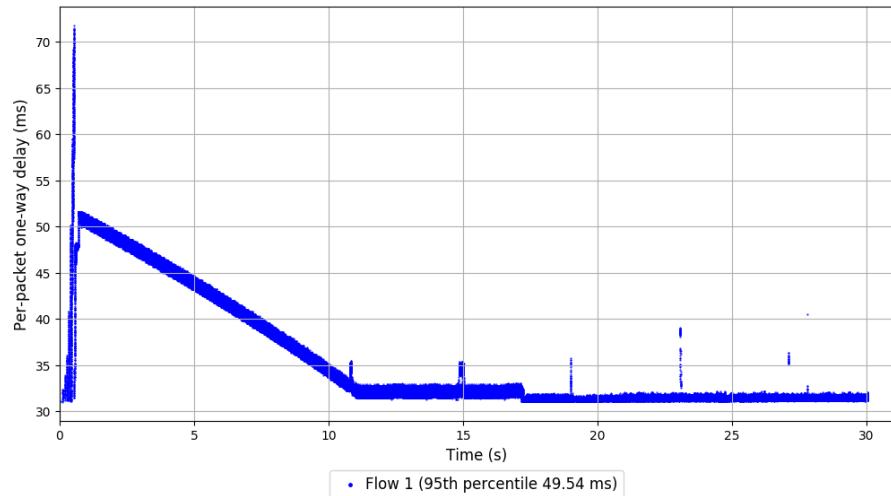
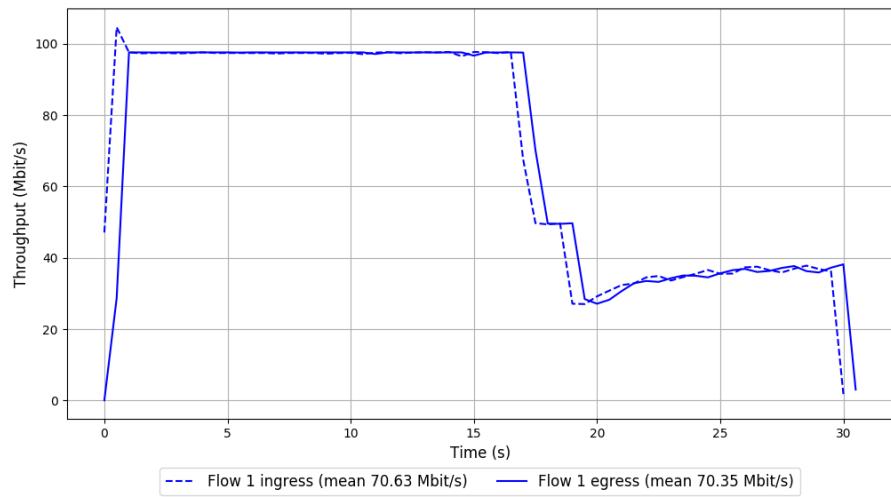


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-18 09:43:35
End at: 2018-06-18 09:44:05
Local clock offset: 0.51 ms
Remote clock offset: 2.497 ms

# Below is generated by plot.py at 2018-06-18 12:37:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 49.543 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 49.543 ms
Loss rate: 0.39%
```

Run 3: Report of TCP Vegas — Data Link

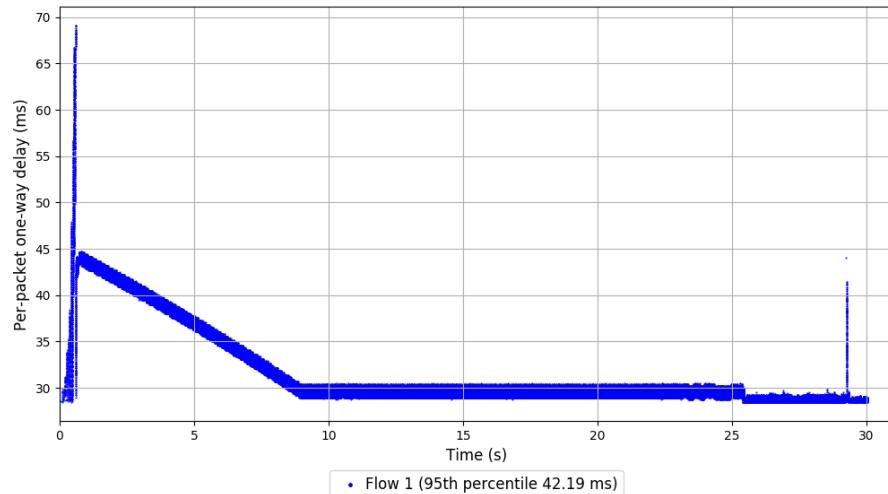
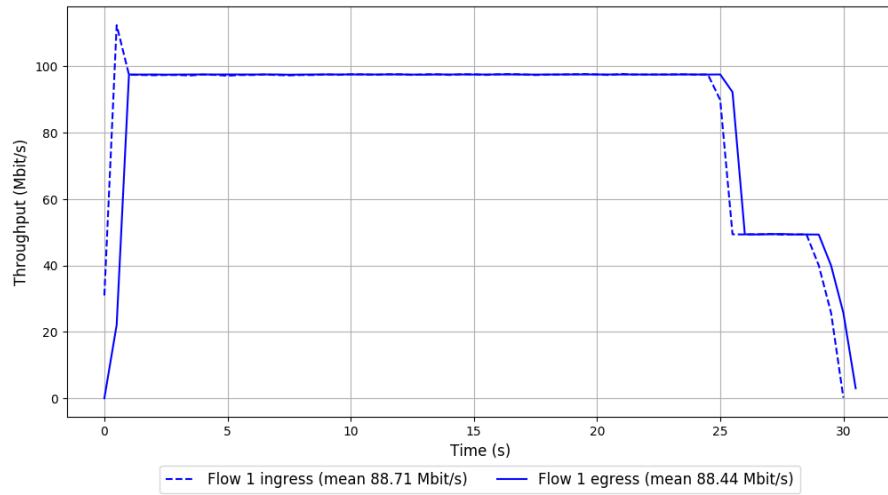


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-18 10:04:28
End at: 2018-06-18 10:04:58
Local clock offset: 0.59 ms
Remote clock offset: -2.411 ms

# Below is generated by plot.py at 2018-06-18 12:37:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.44 Mbit/s
95th percentile per-packet one-way delay: 42.189 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 88.44 Mbit/s
95th percentile per-packet one-way delay: 42.189 ms
Loss rate: 0.30%
```

Run 4: Report of TCP Vegas — Data Link

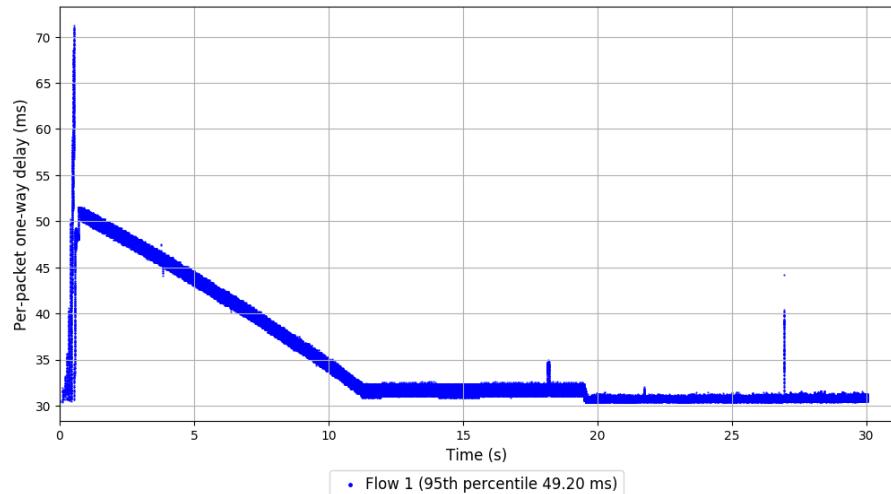
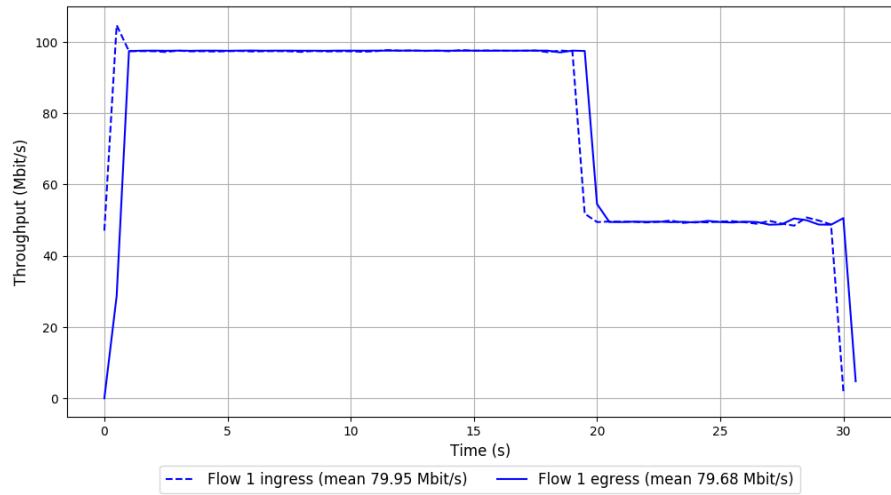


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-18 10:25:24
End at: 2018-06-18 10:25:54
Local clock offset: 0.605 ms
Remote clock offset: -0.495 ms

# Below is generated by plot.py at 2018-06-18 12:37:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 49.205 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 49.205 ms
Loss rate: 0.34%
```

Run 5: Report of TCP Vegas — Data Link

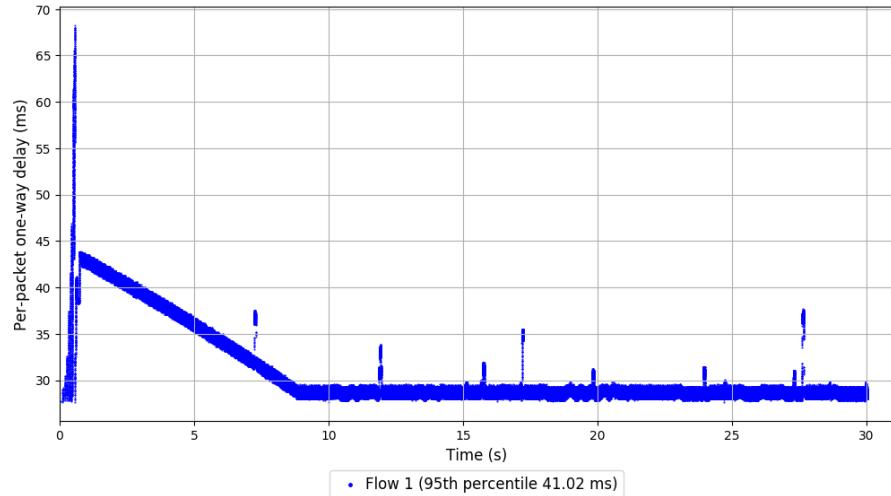
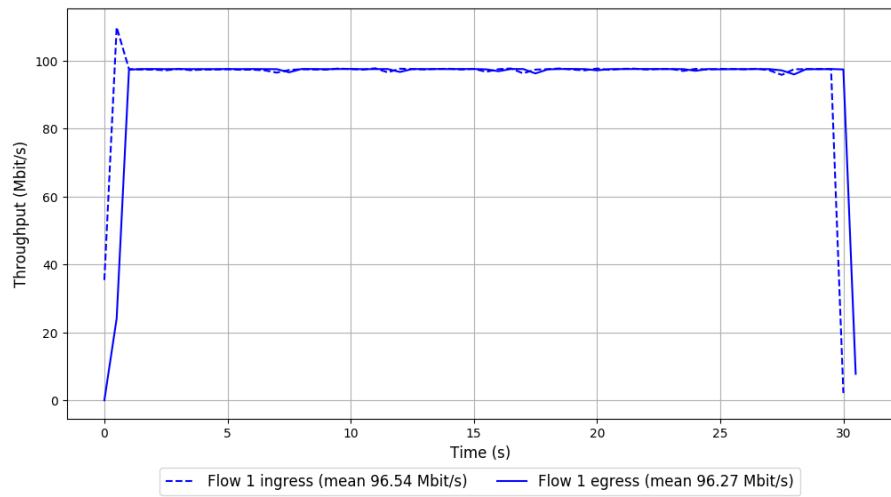


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-18 10:46:12
End at: 2018-06-18 10:46:42
Local clock offset: 0.43 ms
Remote clock offset: -2.652 ms

# Below is generated by plot.py at 2018-06-18 12:37:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 41.023 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 41.023 ms
Loss rate: 0.27%
```

Run 6: Report of TCP Vegas — Data Link

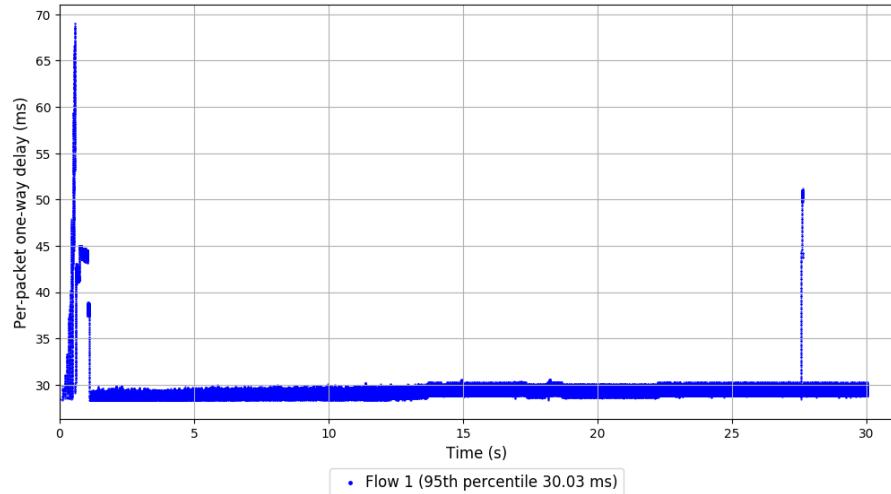
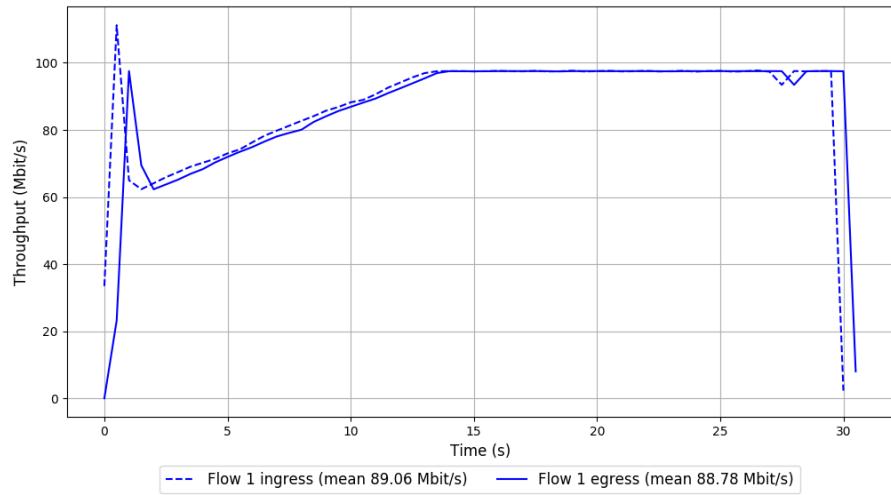


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-18 11:07:06
End at: 2018-06-18 11:07:36
Local clock offset: 0.423 ms
Remote clock offset: -3.625 ms

# Below is generated by plot.py at 2018-06-18 12:37:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 30.031 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 30.031 ms
Loss rate: 0.31%
```

Run 7: Report of TCP Vegas — Data Link

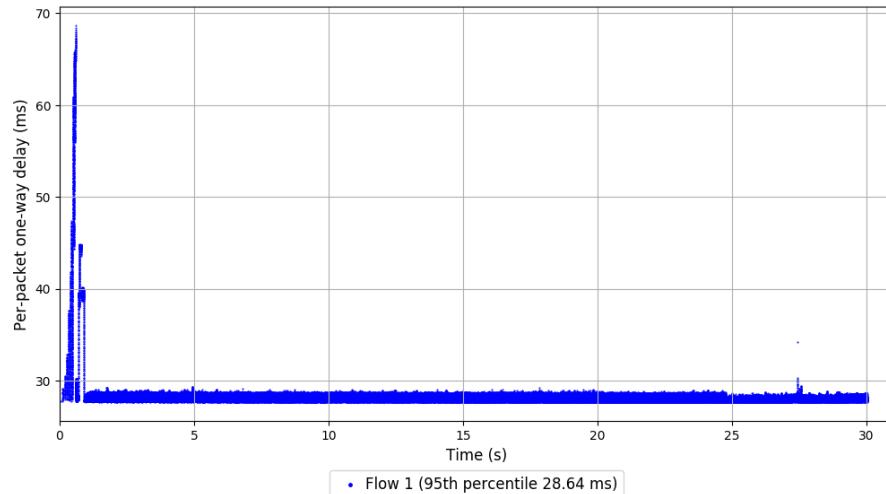
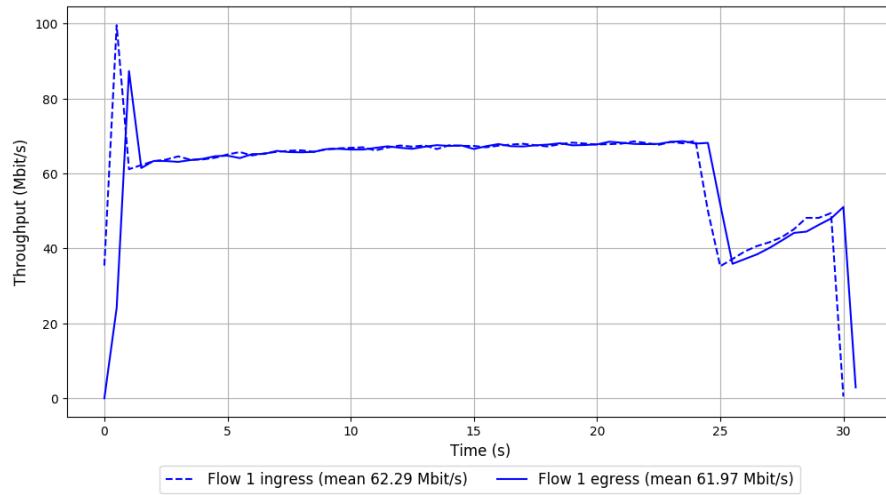


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-18 11:27:57
End at: 2018-06-18 11:28:27
Local clock offset: 0.371 ms
Remote clock offset: -3.602 ms

# Below is generated by plot.py at 2018-06-18 12:37:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 28.642 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 28.642 ms
Loss rate: 0.51%
```

Run 8: Report of TCP Vegas — Data Link

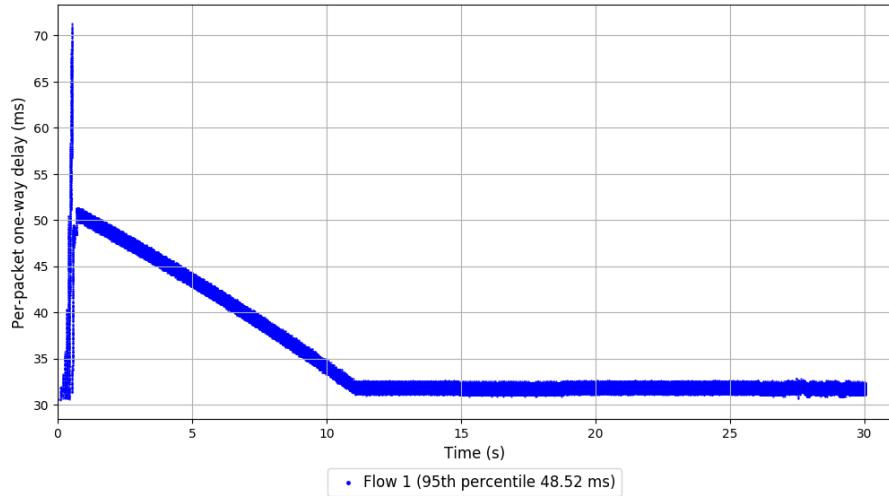
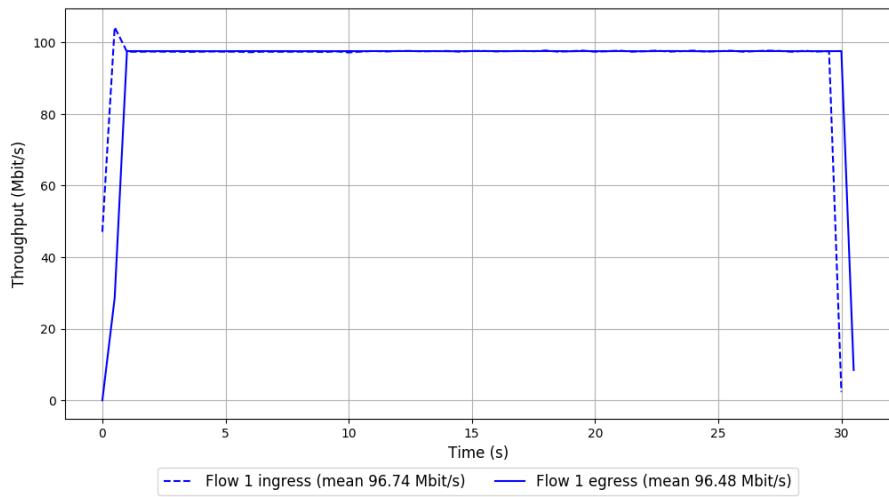


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-18 11:48:46
End at: 2018-06-18 11:49:16
Local clock offset: 0.147 ms
Remote clock offset: -1.418 ms

# Below is generated by plot.py at 2018-06-18 12:37:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 48.518 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 48.518 ms
Loss rate: 0.27%
```

Run 9: Report of TCP Vegas — Data Link

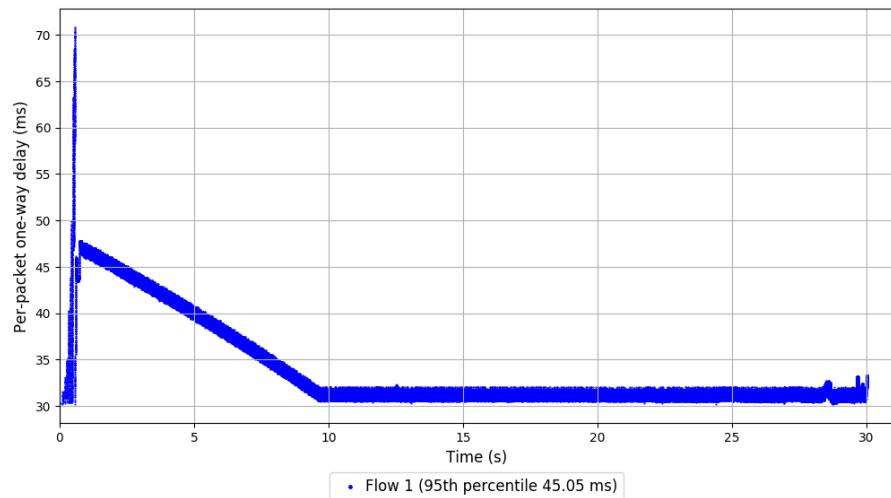
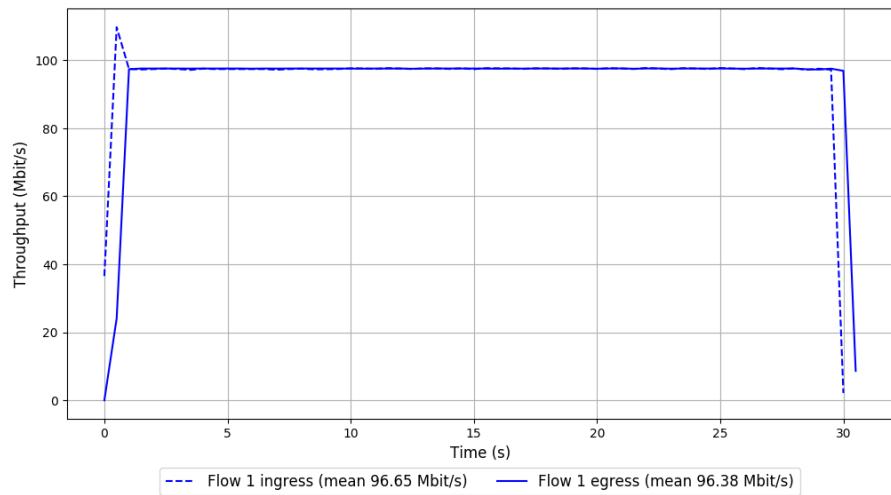


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-18 12:09:37
End at: 2018-06-18 12:10:07
Local clock offset: -0.923 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-06-18 12:38:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 45.048 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 45.048 ms
Loss rate: 0.27%
```

Run 10: Report of TCP Vegas — Data Link

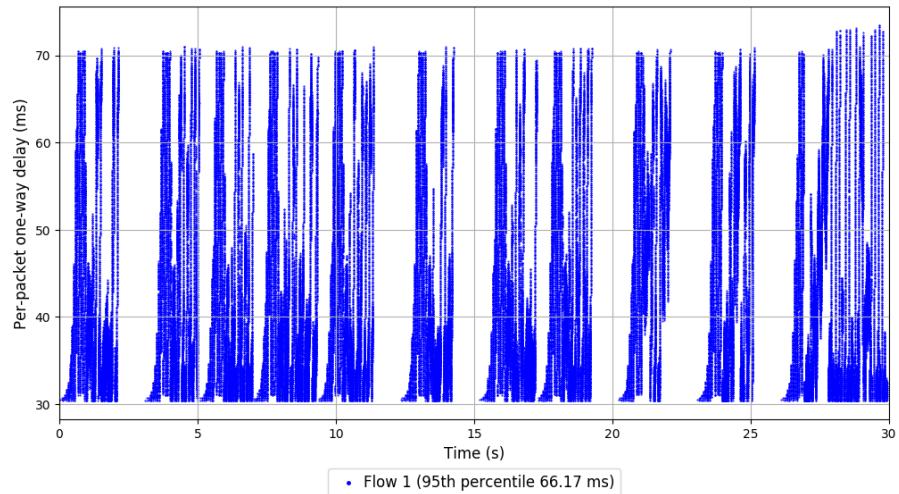
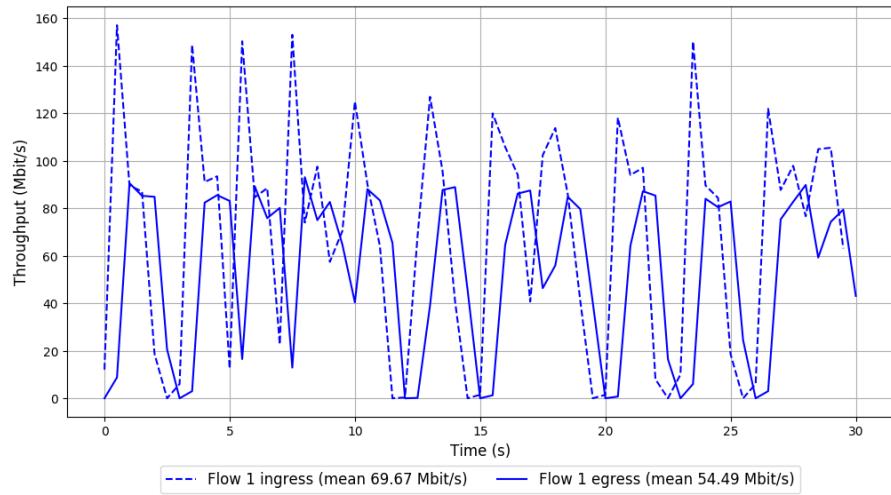


Run 1: Statistics of Verus

```
Start at: 2018-06-18 08:47:31
End at: 2018-06-18 08:48:01
Local clock offset: 1.542 ms
Remote clock offset: -1.53 ms

# Below is generated by plot.py at 2018-06-18 12:38:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.49 Mbit/s
95th percentile per-packet one-way delay: 66.174 ms
Loss rate: 21.79%
-- Flow 1:
Average throughput: 54.49 Mbit/s
95th percentile per-packet one-way delay: 66.174 ms
Loss rate: 21.79%
```

Run 1: Report of Verus — Data Link

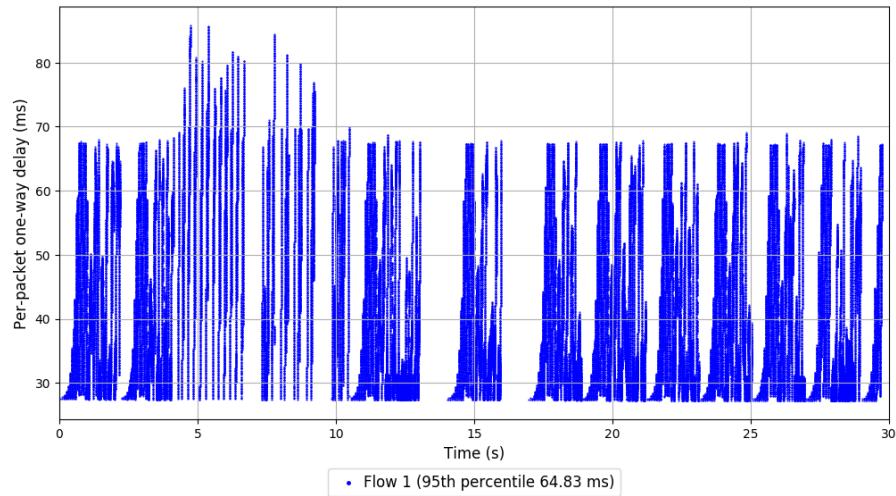
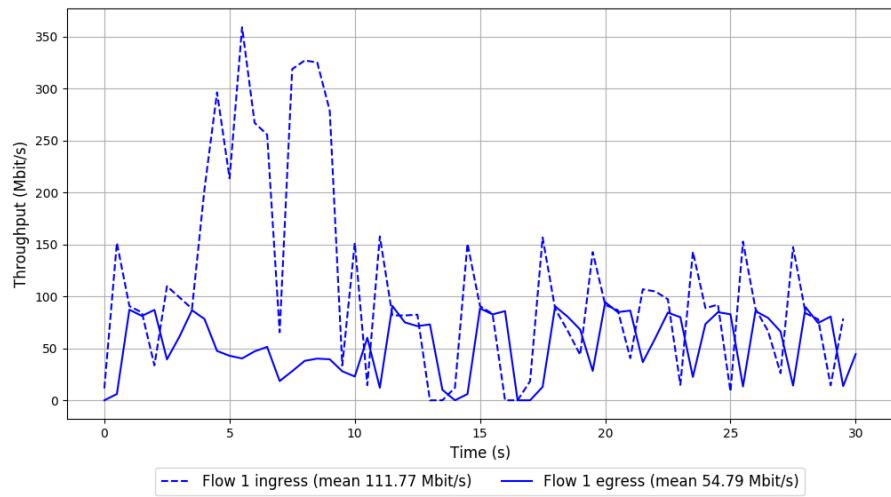


Run 2: Statistics of Verus

```
Start at: 2018-06-18 09:08:23
End at: 2018-06-18 09:08:53
Local clock offset: 1.188 ms
Remote clock offset: -3.907 ms

# Below is generated by plot.py at 2018-06-18 12:38:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 64.830 ms
Loss rate: 50.98%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 64.830 ms
Loss rate: 50.98%
```

Run 2: Report of Verus — Data Link

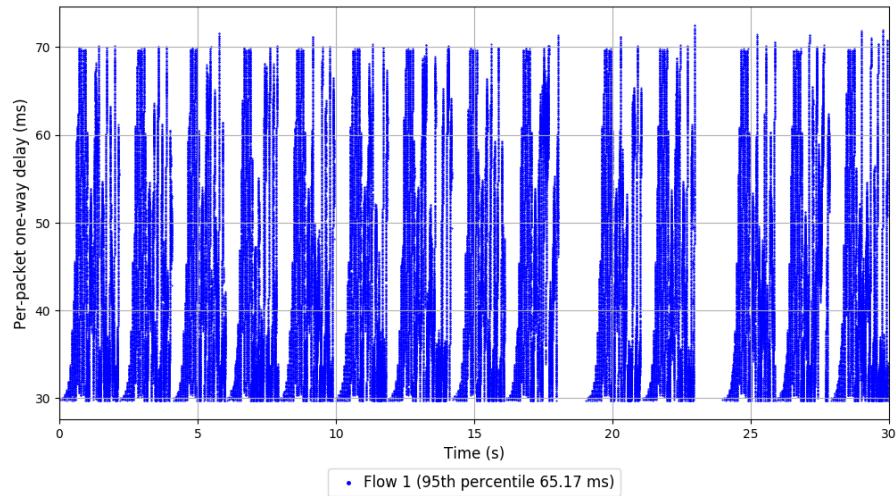
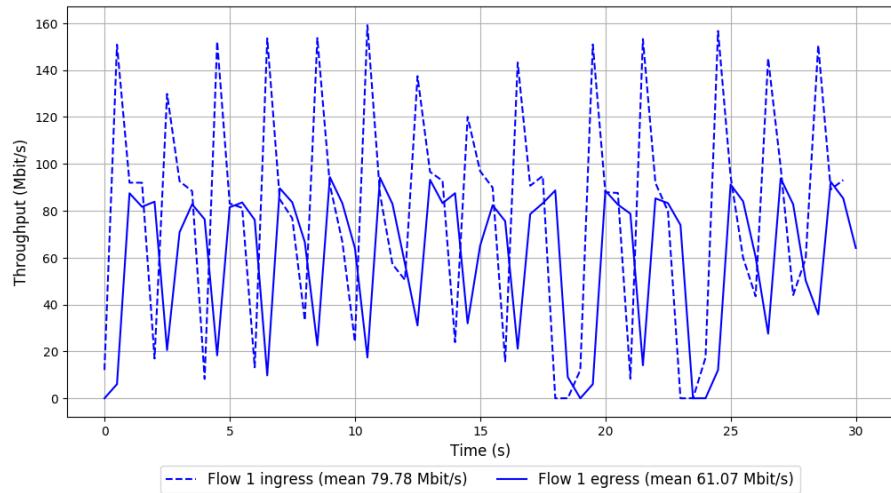


Run 3: Statistics of Verus

```
Start at: 2018-06-18 09:29:14
End at: 2018-06-18 09:29:44
Local clock offset: 0.63 ms
Remote clock offset: 1.968 ms

# Below is generated by plot.py at 2018-06-18 12:38:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 65.172 ms
Loss rate: 23.44%
-- Flow 1:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 65.172 ms
Loss rate: 23.44%
```

Run 3: Report of Verus — Data Link

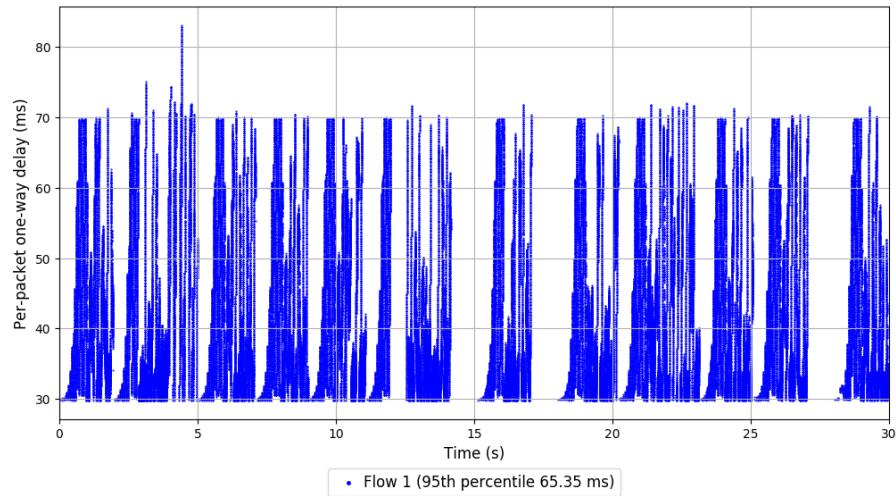
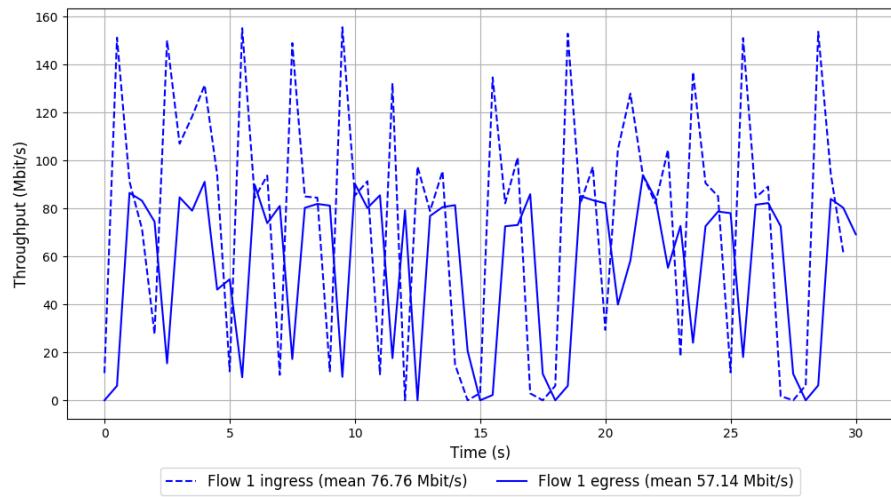


Run 4: Statistics of Verus

```
Start at: 2018-06-18 09:50:06
End at: 2018-06-18 09:50:36
Local clock offset: 0.533 ms
Remote clock offset: 0.729 ms

# Below is generated by plot.py at 2018-06-18 12:38:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 65.351 ms
Loss rate: 25.55%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 65.351 ms
Loss rate: 25.55%
```

Run 4: Report of Verus — Data Link

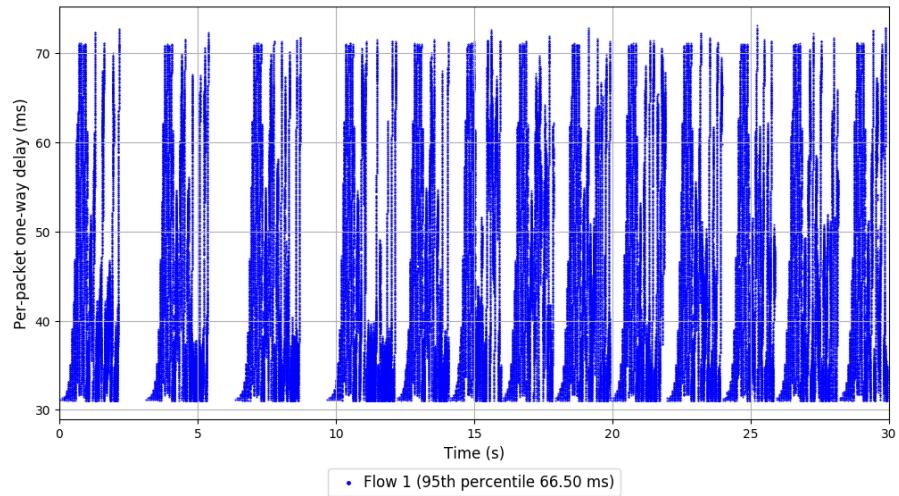
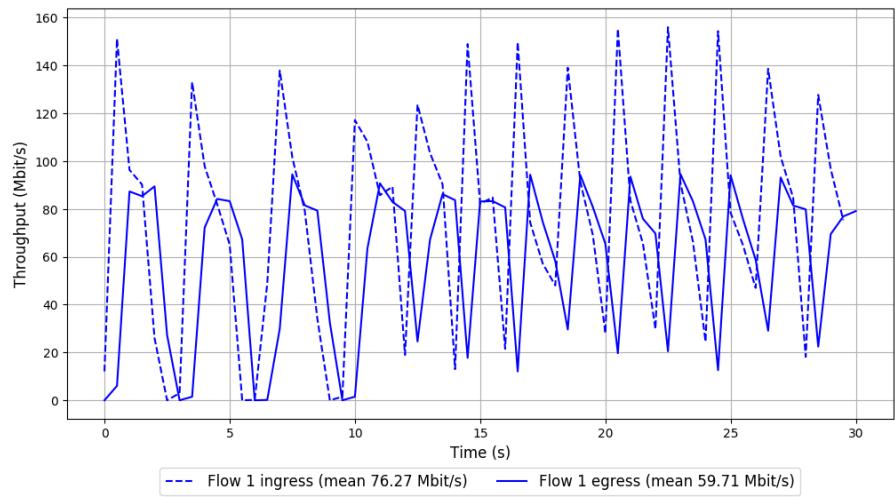


Run 5: Statistics of Verus

```
Start at: 2018-06-18 10:11:02
End at: 2018-06-18 10:11:32
Local clock offset: 0.489 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-06-18 12:38:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 66.496 ms
Loss rate: 21.72%
-- Flow 1:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 66.496 ms
Loss rate: 21.72%
```

Run 5: Report of Verus — Data Link

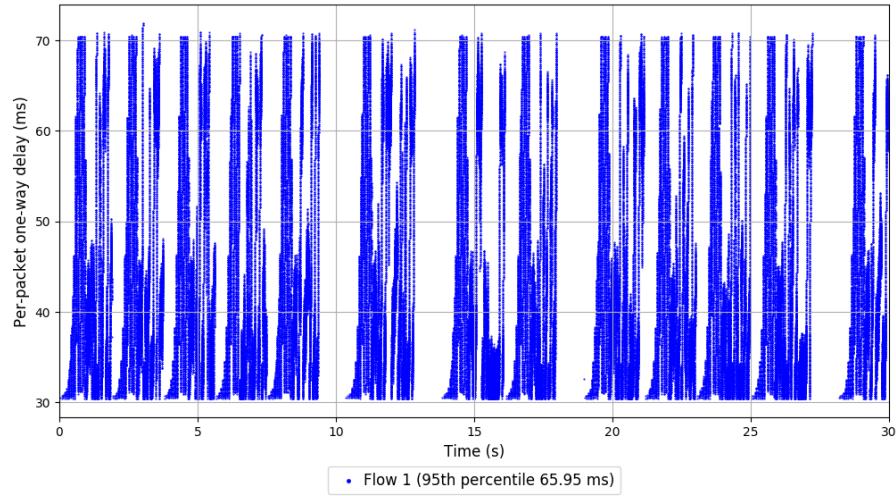
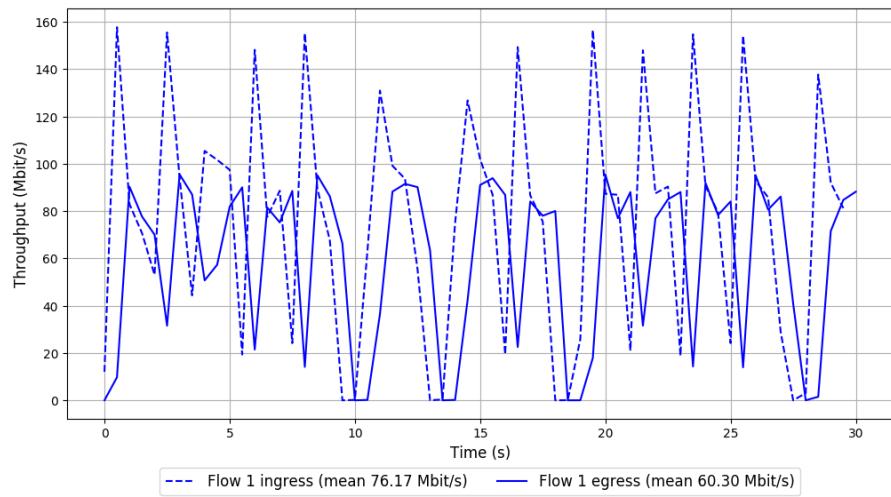


Run 6: Statistics of Verus

```
Start at: 2018-06-18 10:31:55
End at: 2018-06-18 10:32:25
Local clock offset: 0.657 ms
Remote clock offset: -0.459 ms

# Below is generated by plot.py at 2018-06-18 12:38:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 65.946 ms
Loss rate: 20.76%
-- Flow 1:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 65.946 ms
Loss rate: 20.76%
```

Run 6: Report of Verus — Data Link

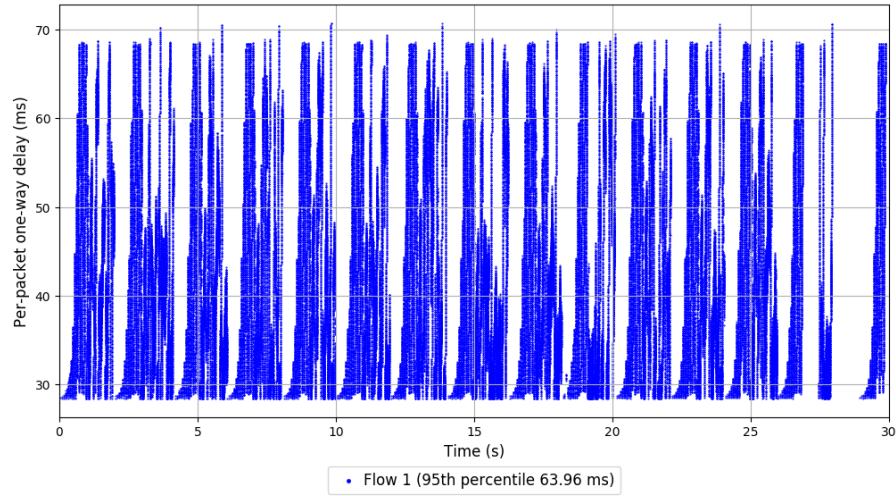
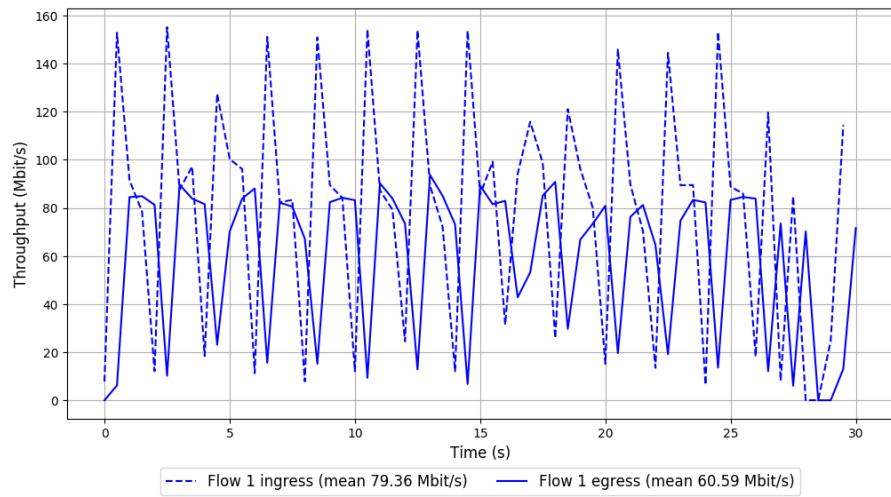


Run 7: Statistics of Verus

```
Start at: 2018-06-18 10:52:45
End at: 2018-06-18 10:53:16
Local clock offset: 0.419 ms
Remote clock offset: -2.821 ms

# Below is generated by plot.py at 2018-06-18 12:38:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 63.958 ms
Loss rate: 23.62%
-- Flow 1:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 63.958 ms
Loss rate: 23.62%
```

Run 7: Report of Verus — Data Link

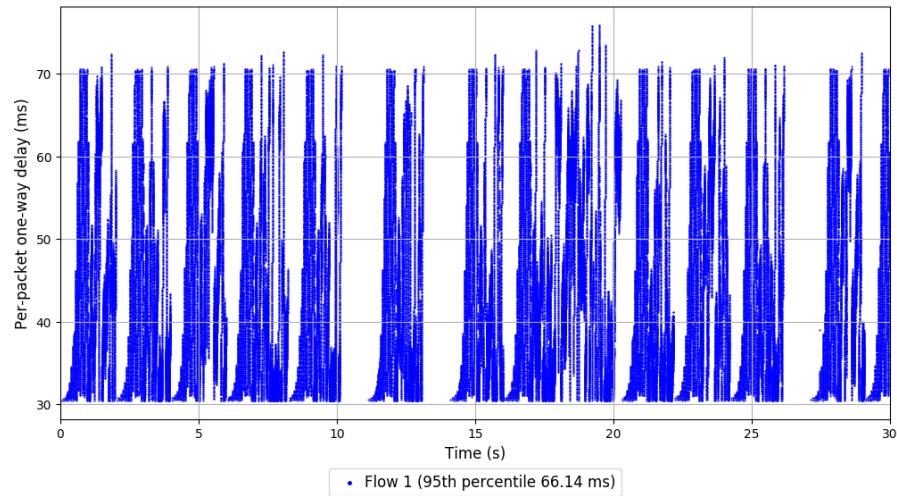
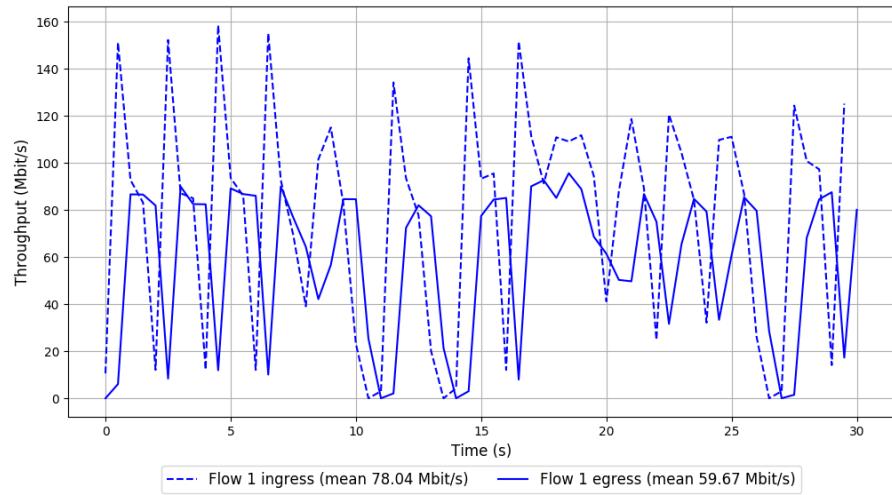


Run 8: Statistics of Verus

```
Start at: 2018-06-18 11:13:38
End at: 2018-06-18 11:14:08
Local clock offset: 0.339 ms
Remote clock offset: -1.809 ms

# Below is generated by plot.py at 2018-06-18 12:38:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.67 Mbit/s
95th percentile per-packet one-way delay: 66.136 ms
Loss rate: 23.47%
-- Flow 1:
Average throughput: 59.67 Mbit/s
95th percentile per-packet one-way delay: 66.136 ms
Loss rate: 23.47%
```

Run 8: Report of Verus — Data Link

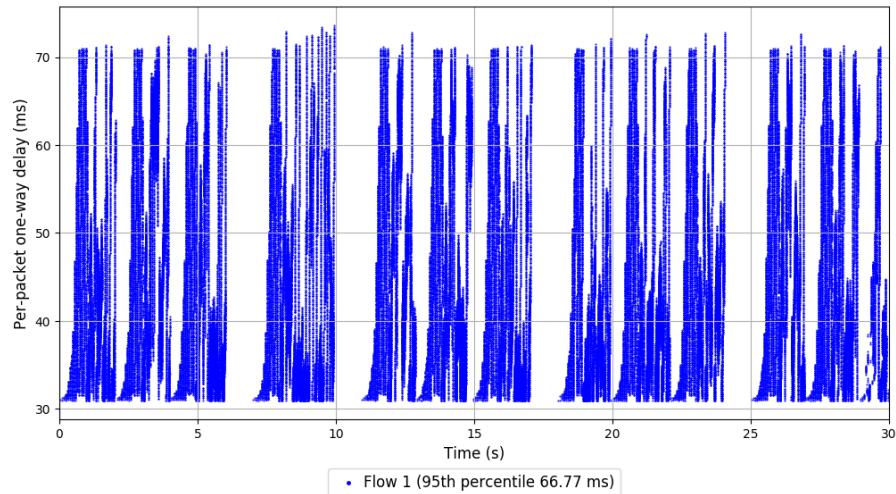
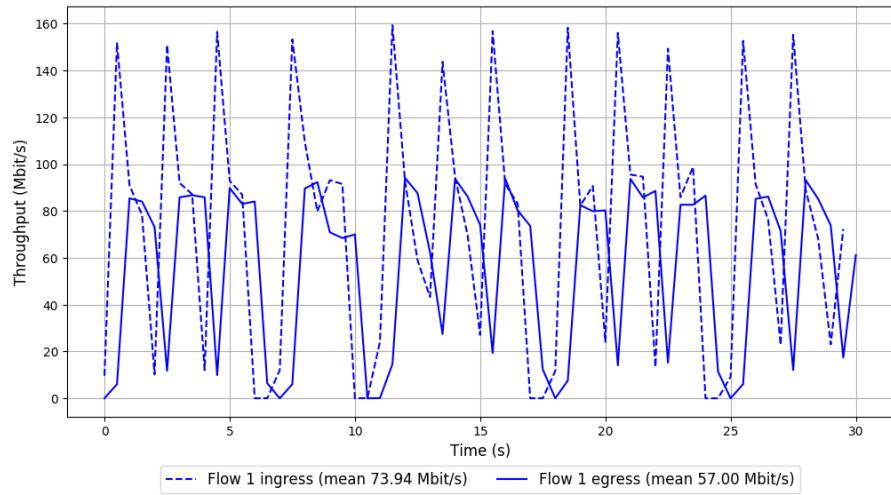


Run 9: Statistics of Verus

```
Start at: 2018-06-18 11:34:28
End at: 2018-06-18 11:34:58
Local clock offset: 0.409 ms
Remote clock offset: -0.611 ms

# Below is generated by plot.py at 2018-06-18 12:38:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 66.772 ms
Loss rate: 22.90%
-- Flow 1:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 66.772 ms
Loss rate: 22.90%
```

Run 9: Report of Verus — Data Link

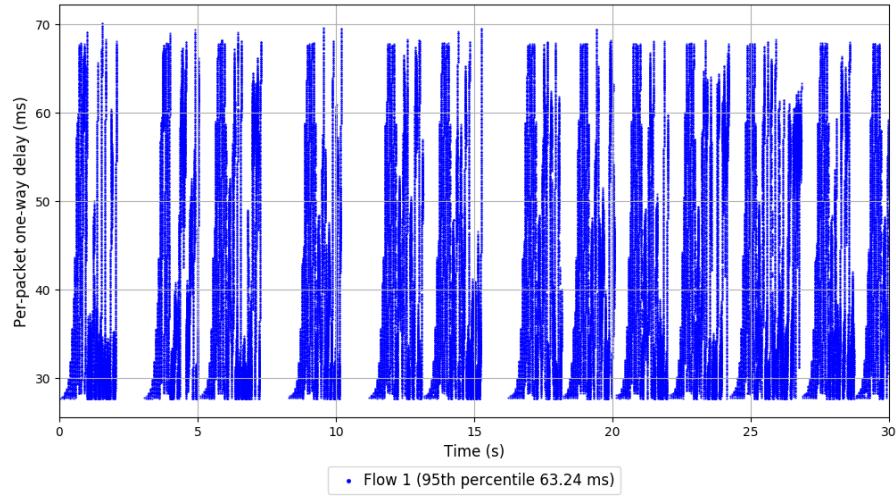
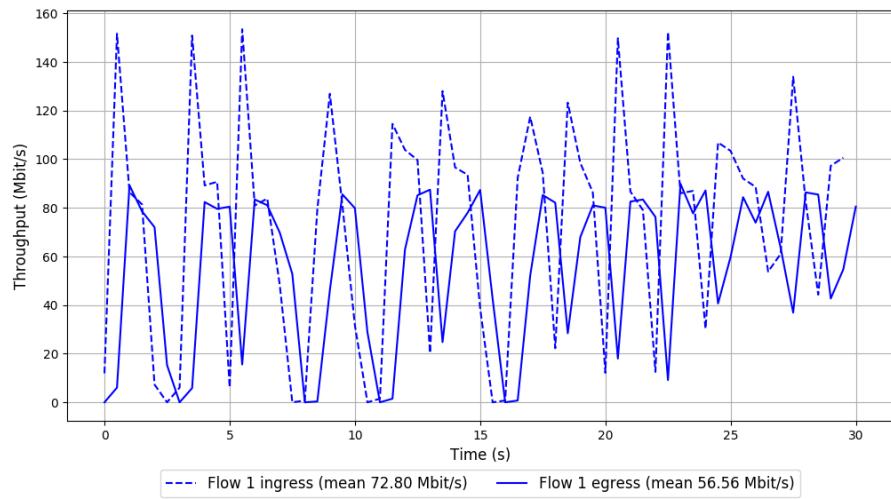


Run 10: Statistics of Verus

```
Start at: 2018-06-18 11:55:19
End at: 2018-06-18 11:55:49
Local clock offset: 0.163 ms
Remote clock offset: -3.836 ms

# Below is generated by plot.py at 2018-06-18 12:38:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 63.240 ms
Loss rate: 22.25%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 63.240 ms
Loss rate: 22.25%
```

Run 10: Report of Verus — Data Link

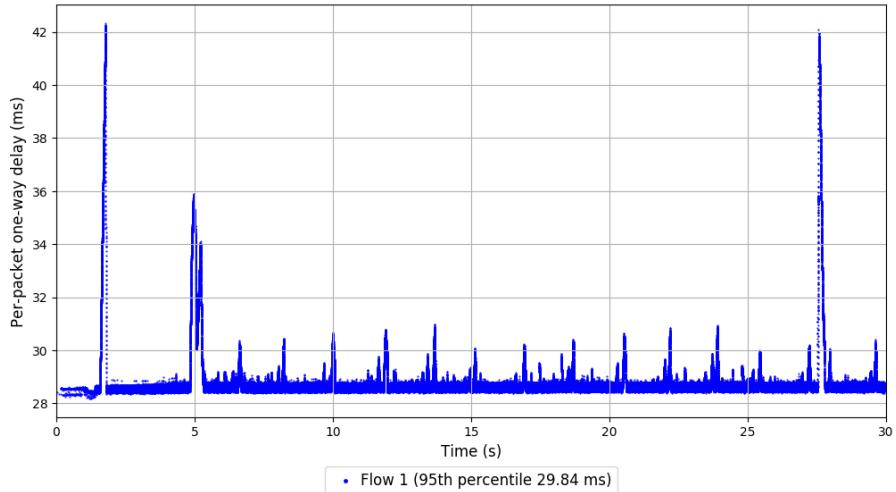
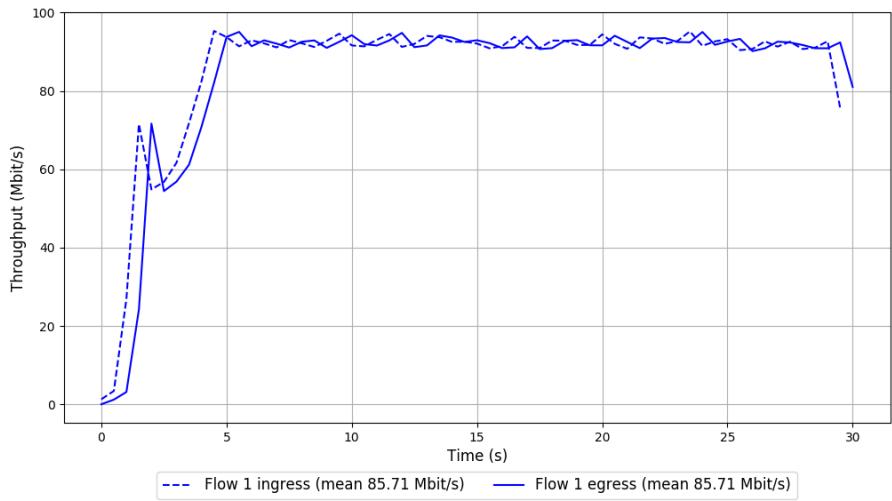


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-06-18 08:52:45
End at: 2018-06-18 08:53:15
Local clock offset: 1.534 ms
Remote clock offset: -3.682 ms

# Below is generated by plot.py at 2018-06-18 12:39:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 29.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 29.843 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

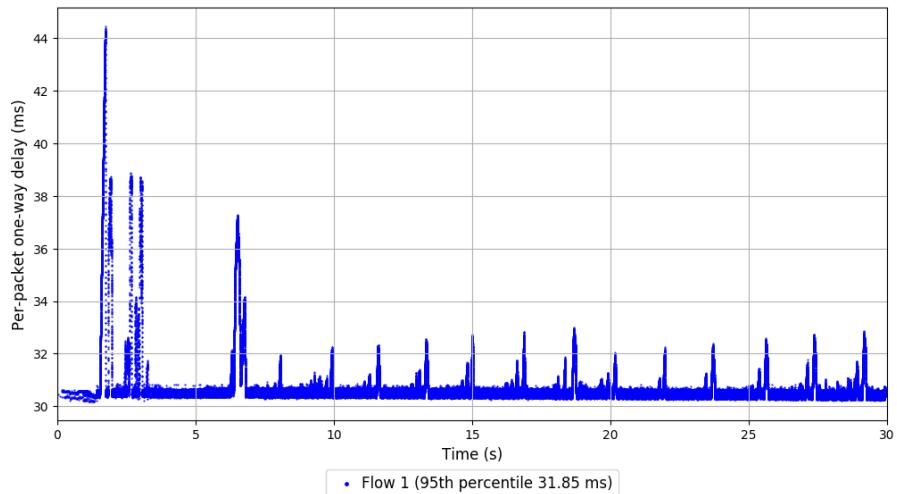
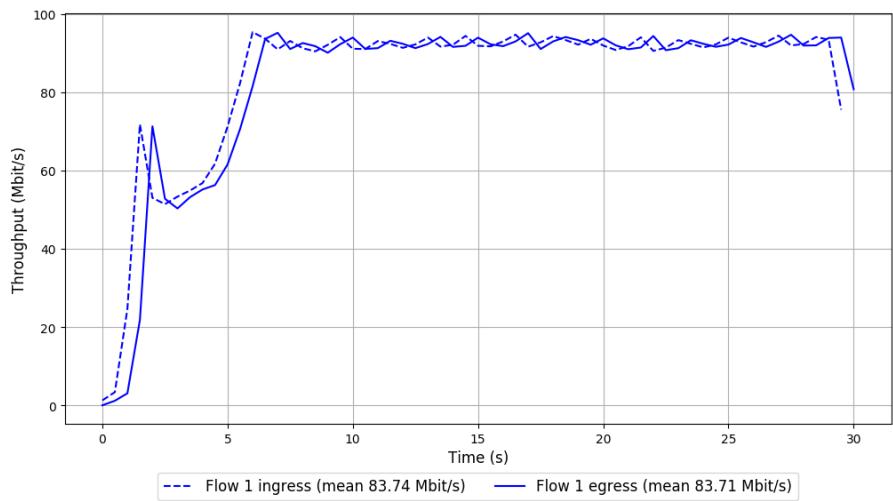


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-18 09:13:36
End at: 2018-06-18 09:14:06
Local clock offset: 0.859 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-06-18 12:39:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 31.848 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 31.848 ms
Loss rate: 0.04%
```

Run 2: Report of PCC-Vivace — Data Link

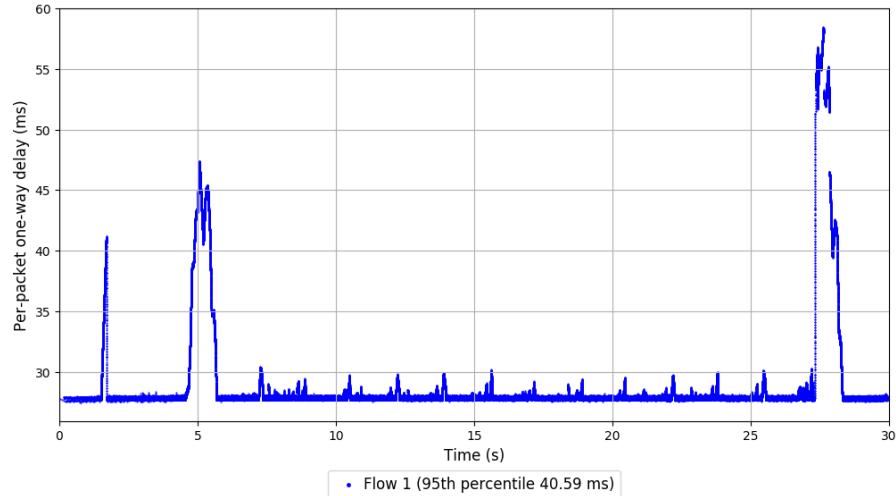
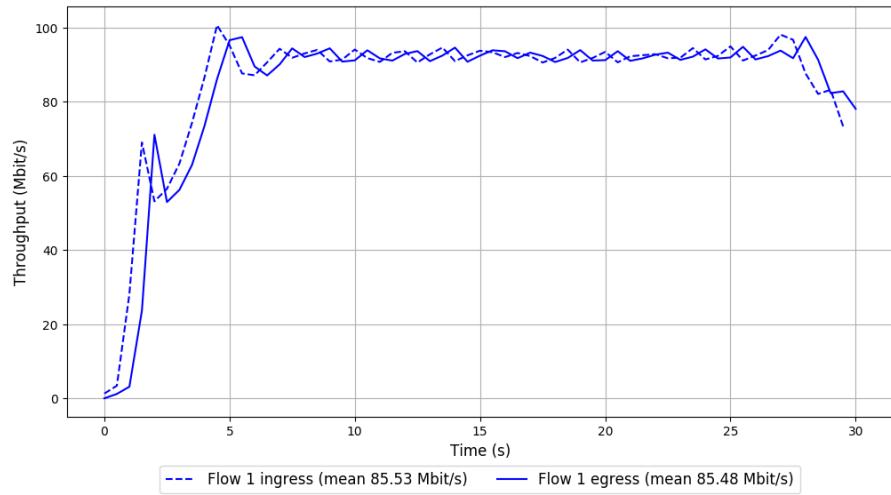


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-18 09:34:26
End at: 2018-06-18 09:34:56
Local clock offset: 0.691 ms
Remote clock offset: 0.199 ms

# Below is generated by plot.py at 2018-06-18 12:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 40.590 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 40.590 ms
Loss rate: 0.06%
```

Run 3: Report of PCC-Vivace — Data Link

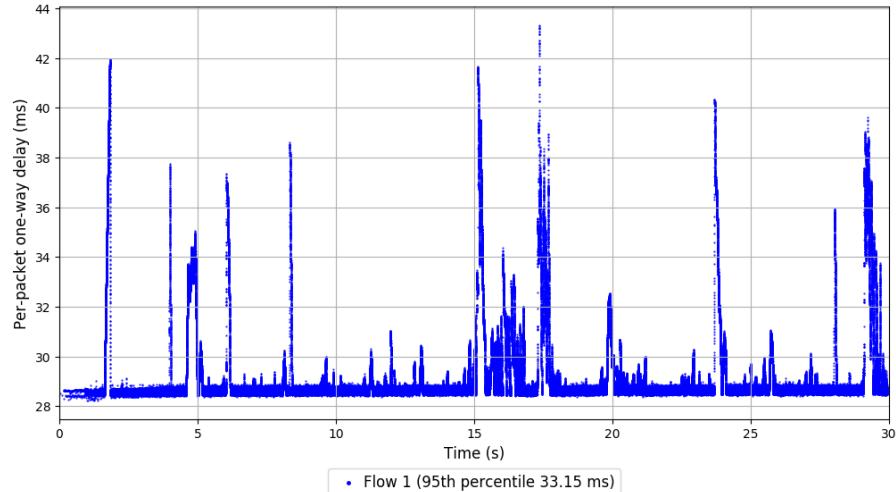
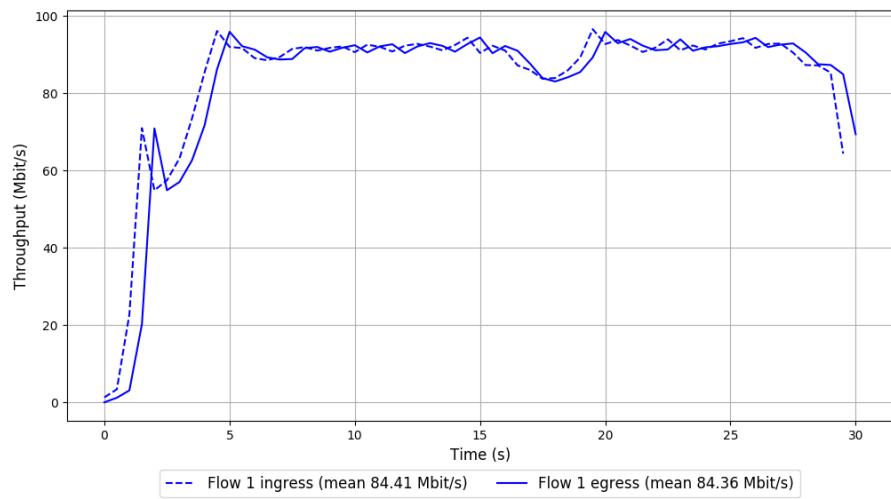


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-18 09:55:18
End at: 2018-06-18 09:55:48
Local clock offset: 0.559 ms
Remote clock offset: -1.877 ms

# Below is generated by plot.py at 2018-06-18 12:39:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 33.151 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 33.151 ms
Loss rate: 0.07%
```

Run 4: Report of PCC-Vivace — Data Link

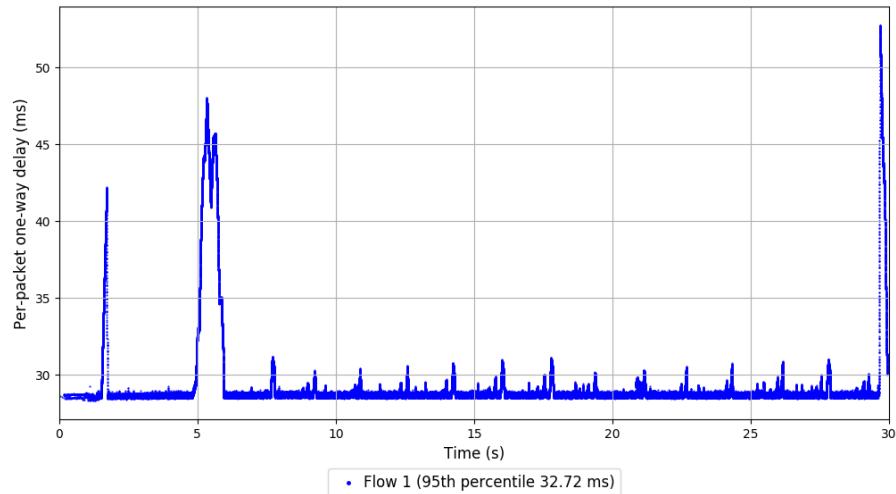
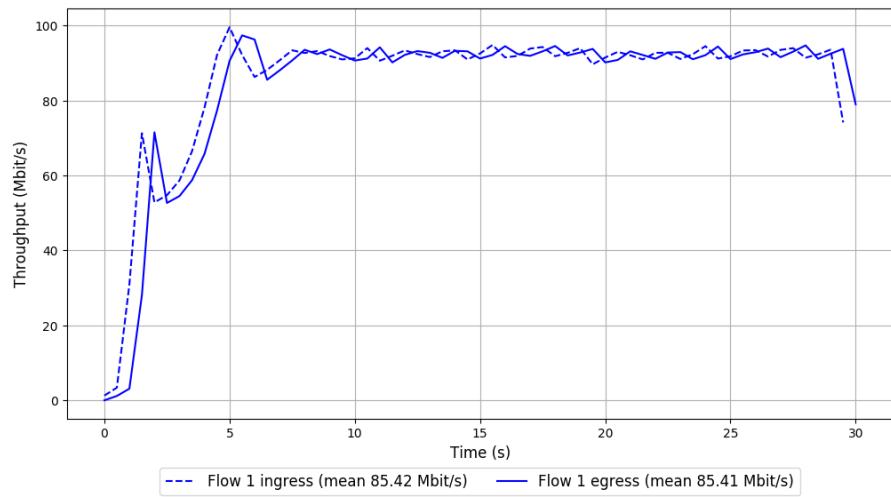


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-18 10:16:16
End at: 2018-06-18 10:16:46
Local clock offset: 0.479 ms
Remote clock offset: -2.662 ms

# Below is generated by plot.py at 2018-06-18 12:39:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 32.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 32.720 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

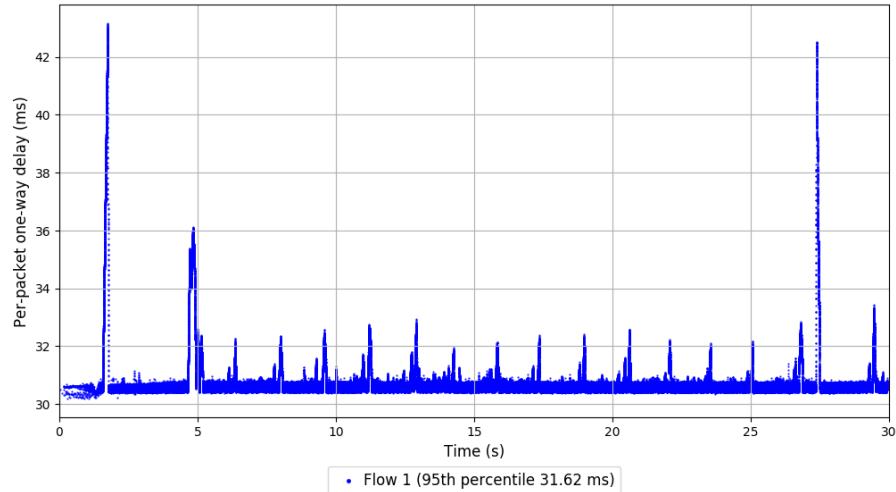
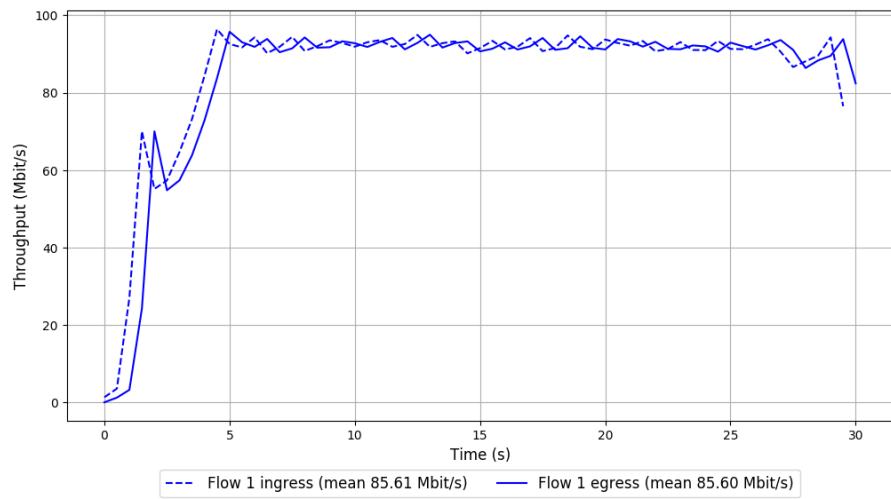


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-18 10:37:06
End at: 2018-06-18 10:37:36
Local clock offset: 0.558 ms
Remote clock offset: -0.507 ms

# Below is generated by plot.py at 2018-06-18 12:40:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 31.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 31.619 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

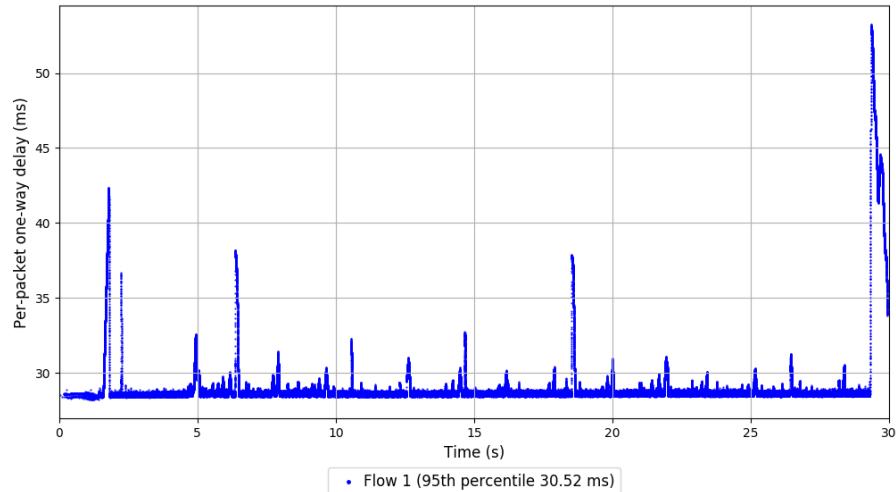
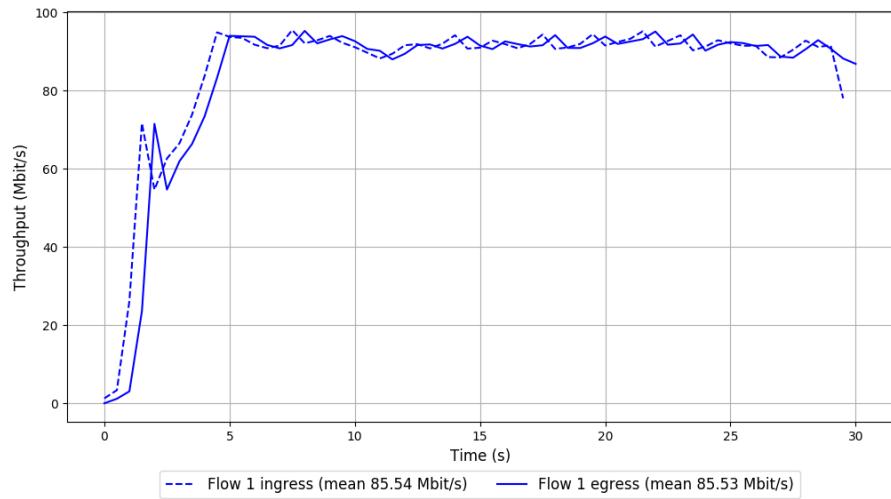


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-18 10:57:58
End at: 2018-06-18 10:58:28
Local clock offset: 0.418 ms
Remote clock offset: -3.197 ms

# Below is generated by plot.py at 2018-06-18 12:40:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 30.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 30.524 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Vivace — Data Link

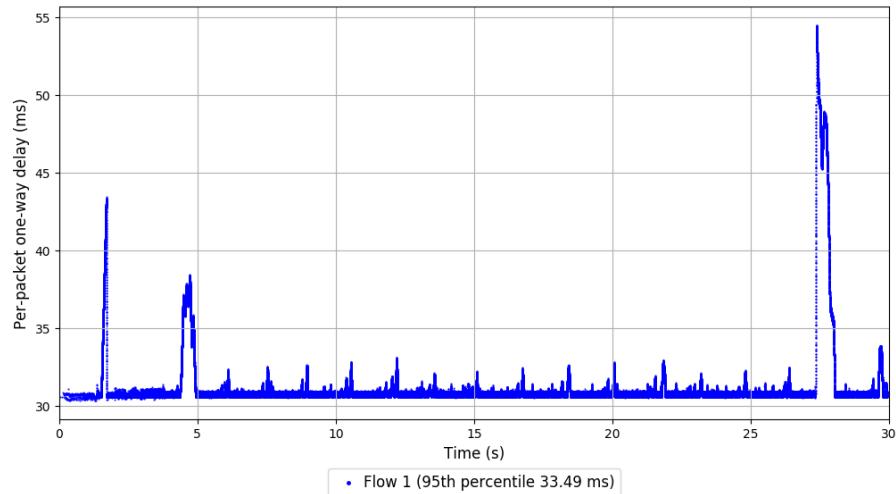
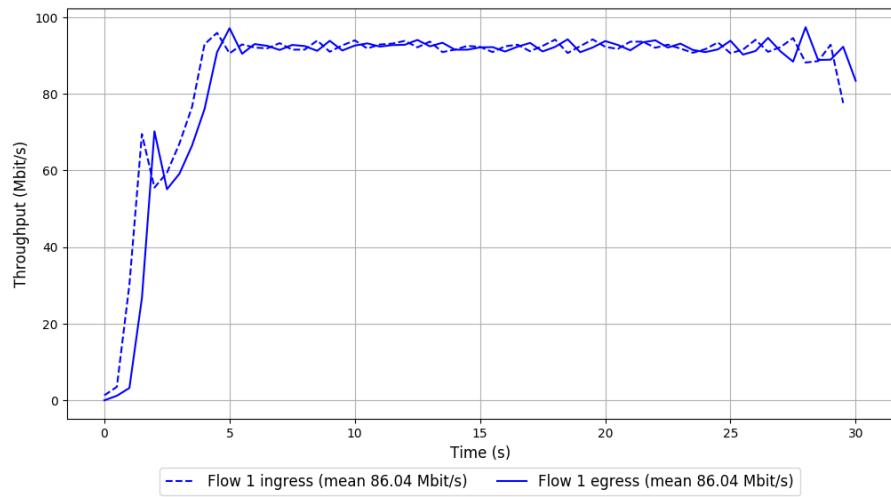


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-18 11:18:50
End at: 2018-06-18 11:19:20
Local clock offset: 0.334 ms
Remote clock offset: -1.88 ms

# Below is generated by plot.py at 2018-06-18 12:40:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 33.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 33.495 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

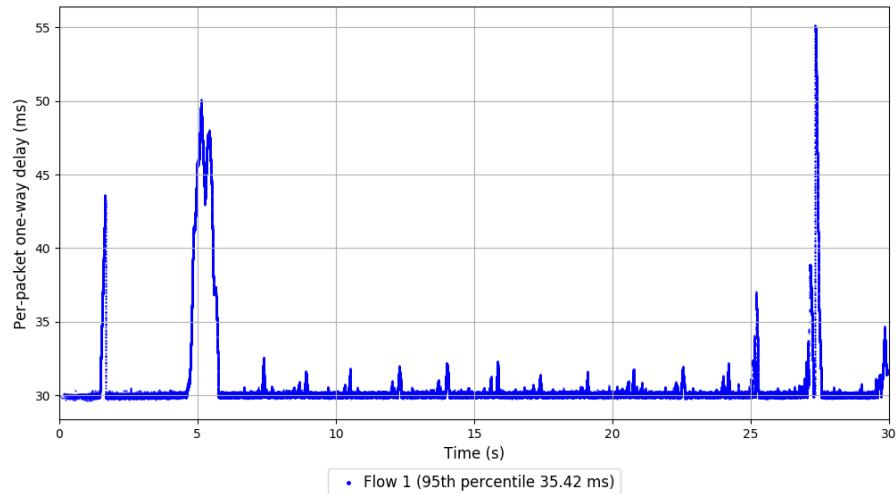
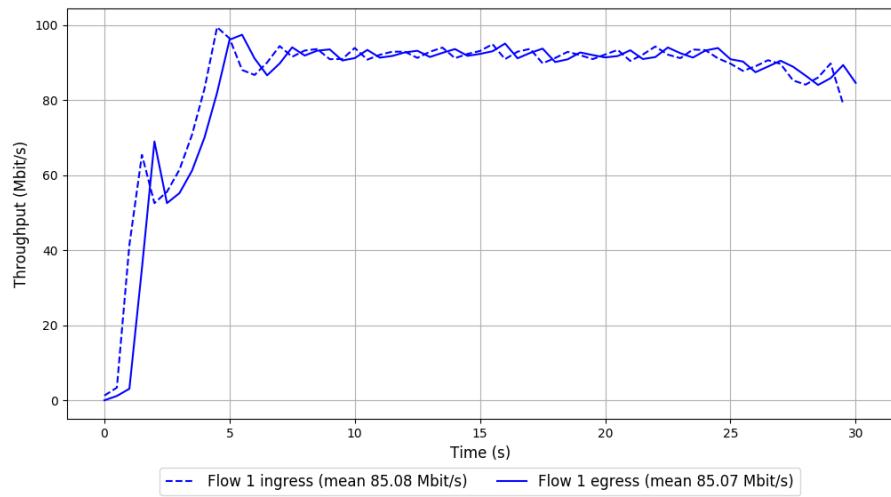


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-18 11:39:40
End at: 2018-06-18 11:40:10
Local clock offset: 0.365 ms
Remote clock offset: -0.964 ms

# Below is generated by plot.py at 2018-06-18 12:40:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 35.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 35.425 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

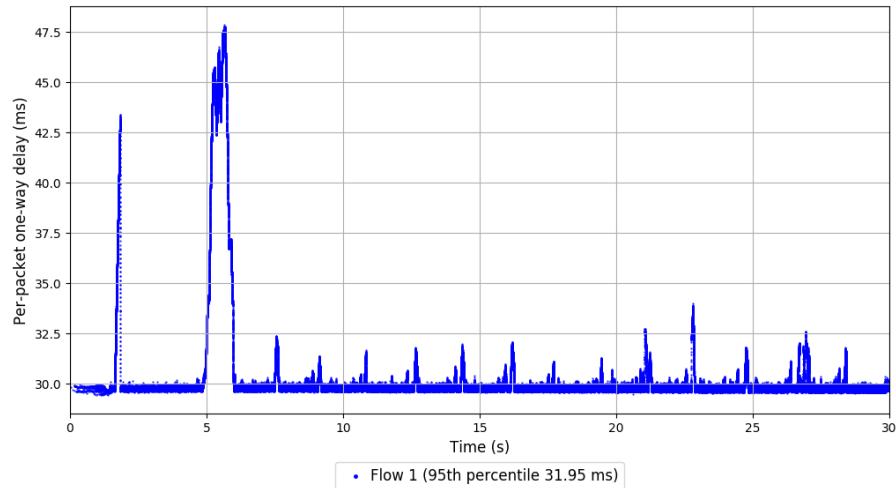
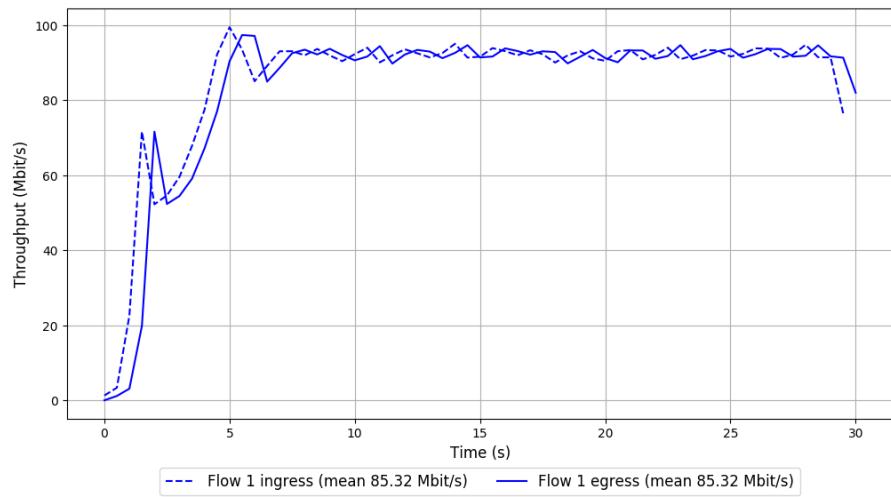


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-18 12:00:31
End at: 2018-06-18 12:01:01
Local clock offset: 0.135 ms
Remote clock offset: -1.621 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 31.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 31.948 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link

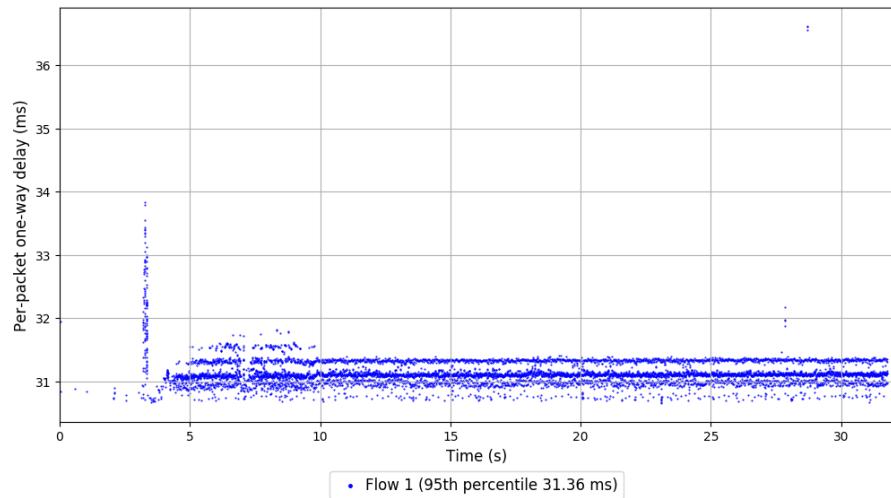
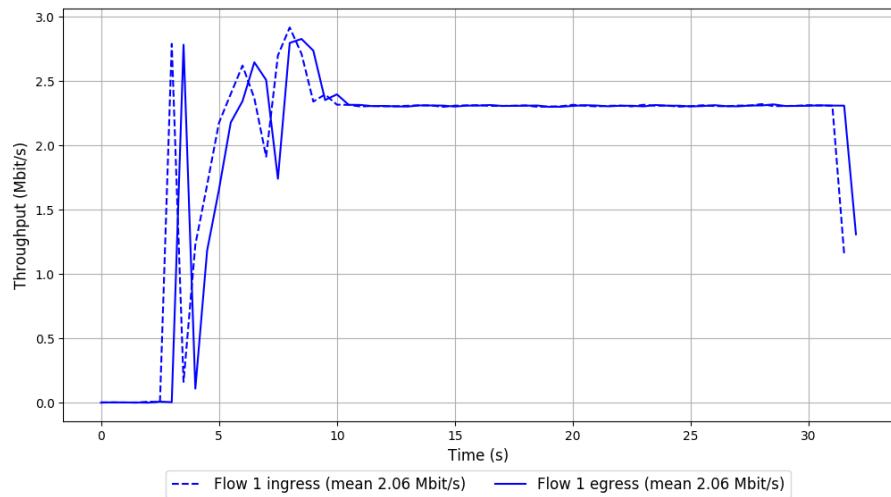


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-18 08:51:30
End at: 2018-06-18 08:52:00
Local clock offset: 1.516 ms
Remote clock offset: -1.189 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

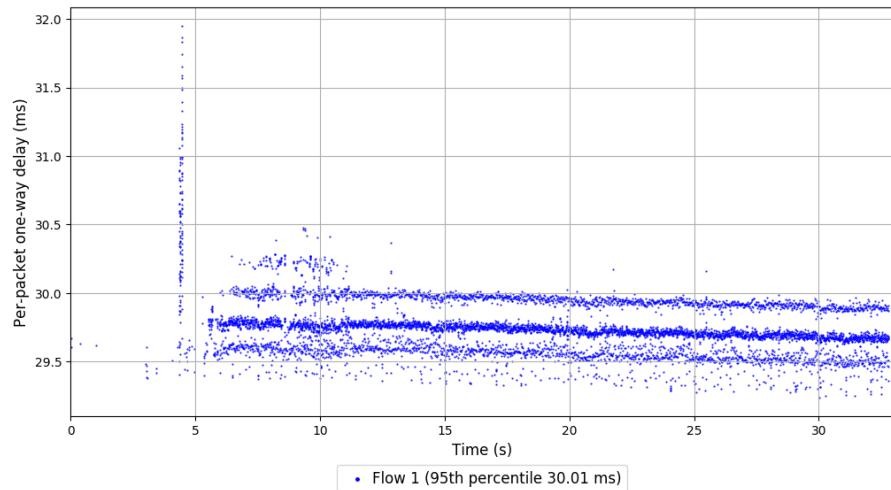
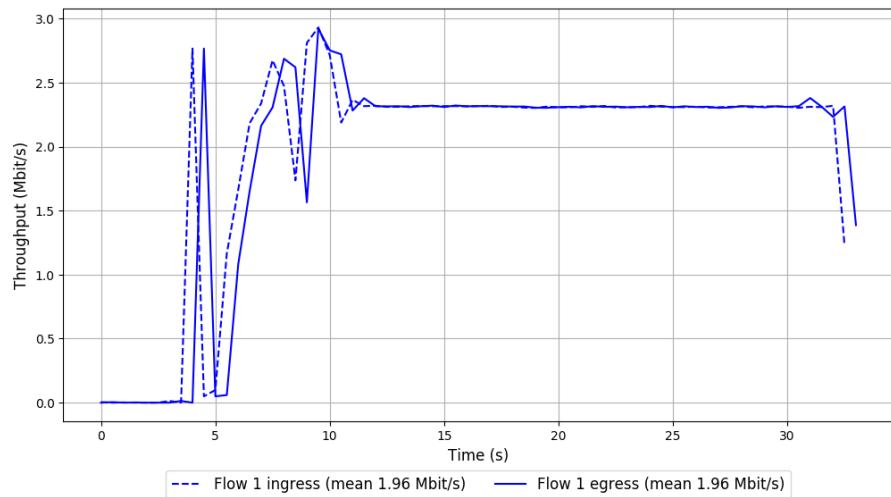


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-18 09:12:21
End at: 2018-06-18 09:12:51
Local clock offset: 0.943 ms
Remote clock offset: -0.402 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 30.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 30.010 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

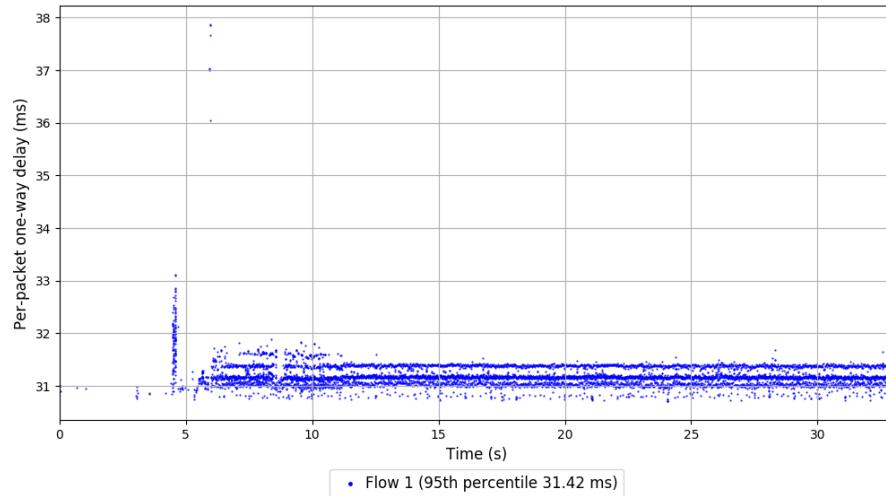
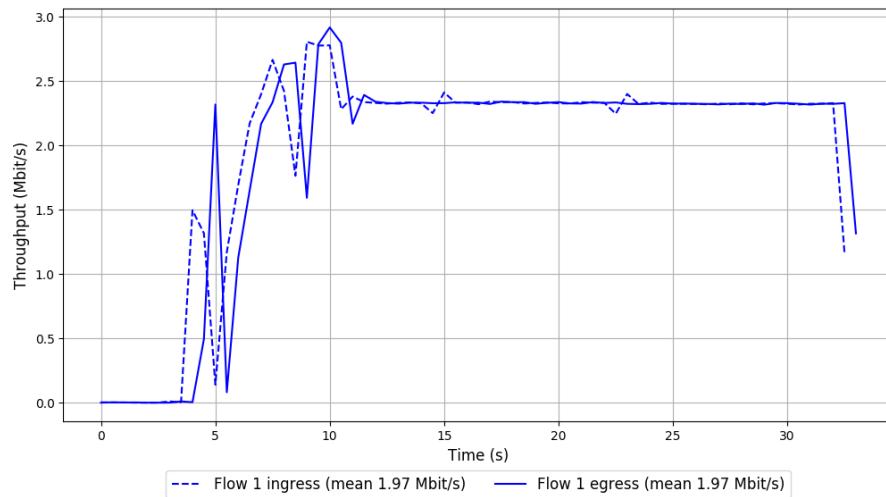


Run 3: Statistics of WebRTC media

```
Start at: 2018-06-18 09:33:11
End at: 2018-06-18 09:33:41
Local clock offset: 0.589 ms
Remote clock offset: 2.621 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 31.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 31.417 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

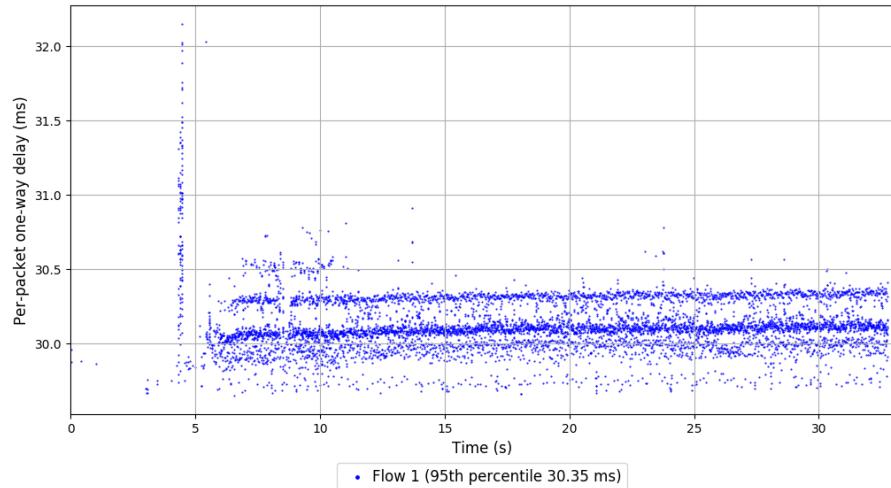
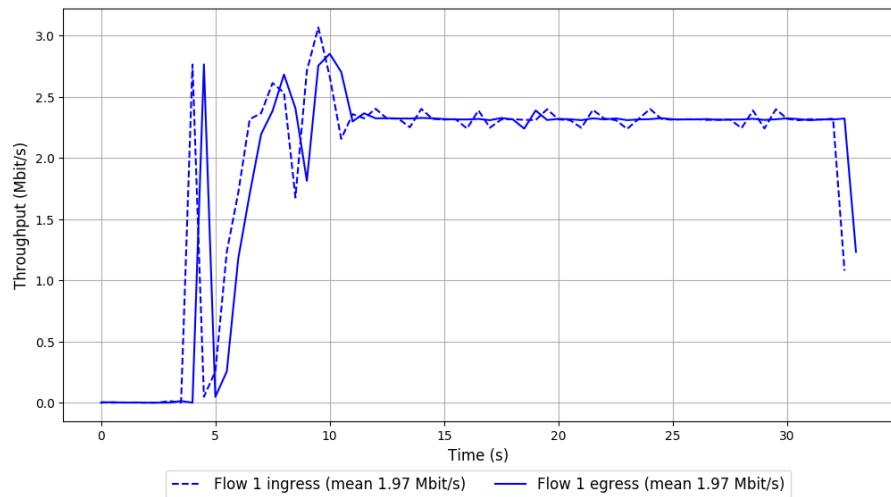


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-18 09:54:03
End at: 2018-06-18 09:54:33
Local clock offset: 0.474 ms
Remote clock offset: 0.26 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 30.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 30.354 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

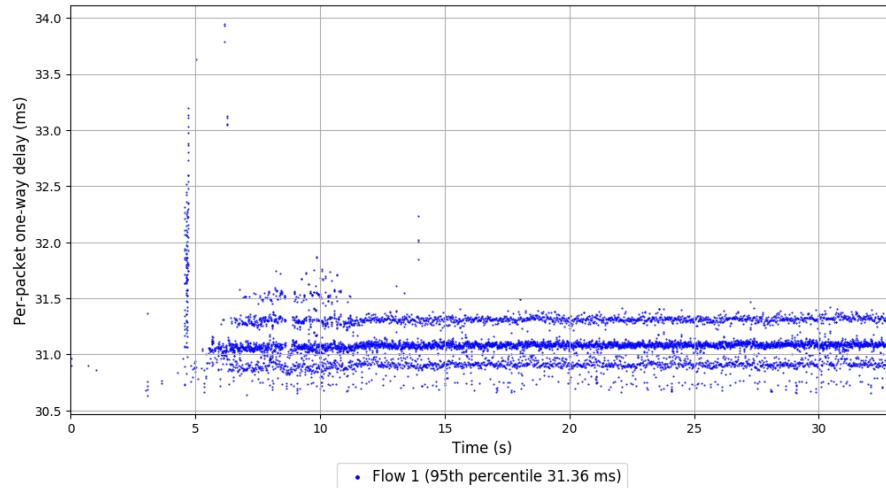
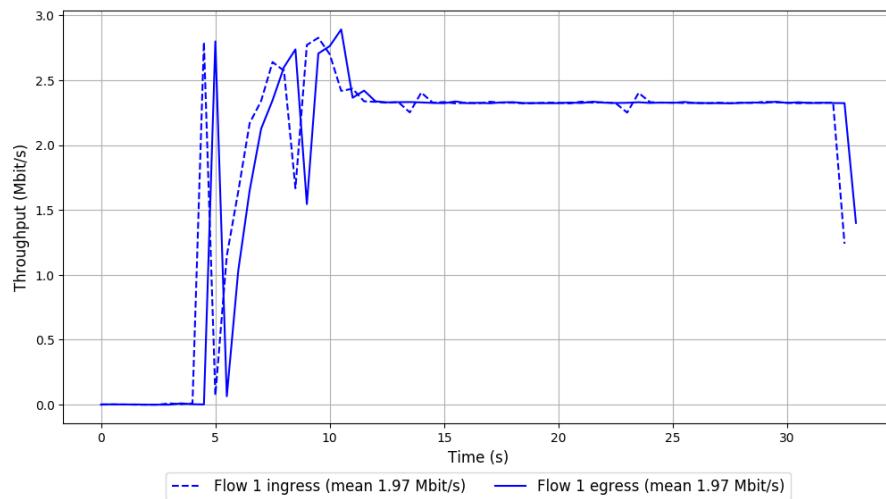


Run 5: Statistics of WebRTC media

```
Start at: 2018-06-18 10:15:00
End at: 2018-06-18 10:15:30
Local clock offset: 0.561 ms
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 31.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 31.361 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

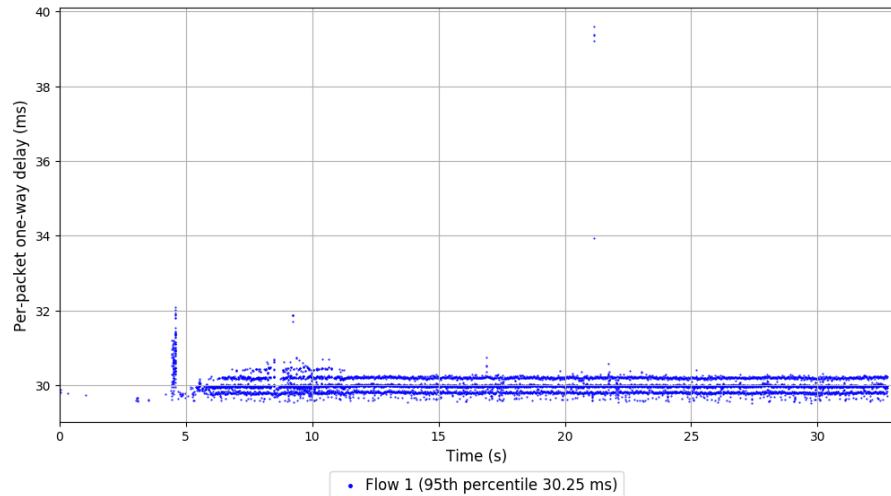
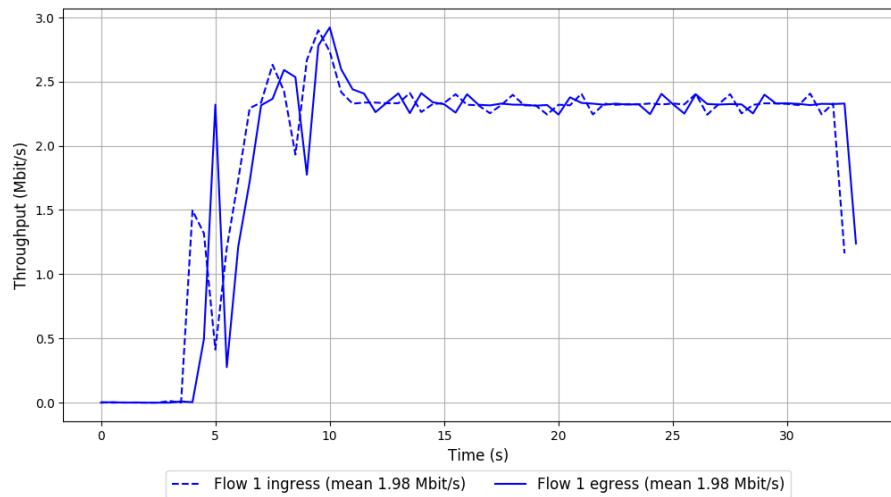


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-18 10:35:52
End at: 2018-06-18 10:36:22
Local clock offset: 0.521 ms
Remote clock offset: -0.51 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 30.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 30.250 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

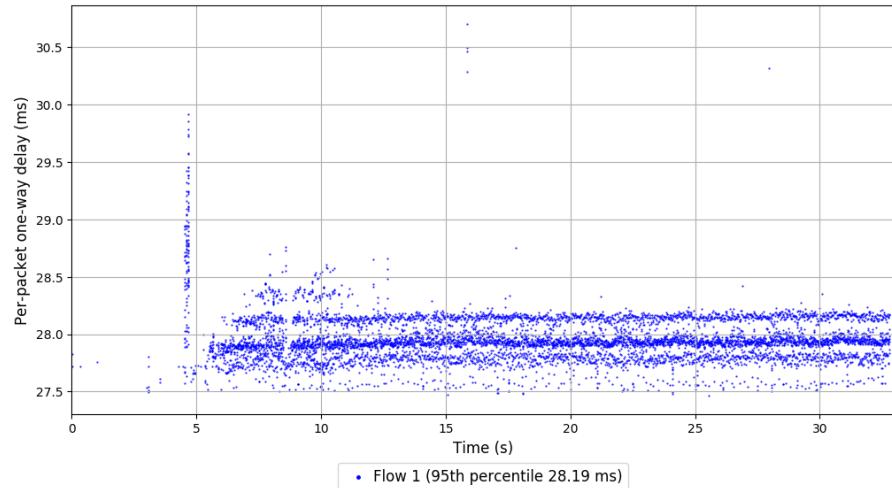
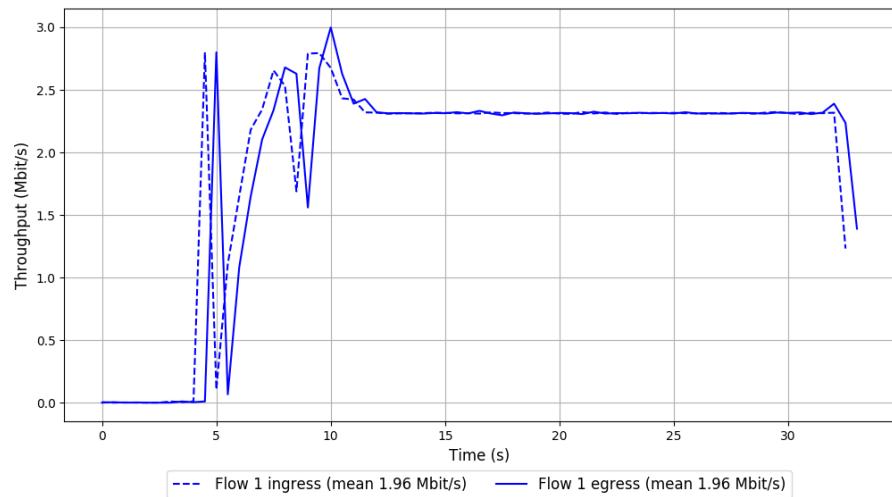


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-18 10:56:43
End at: 2018-06-18 10:57:13
Local clock offset: 0.421 ms
Remote clock offset: -3.158 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 28.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 28.190 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

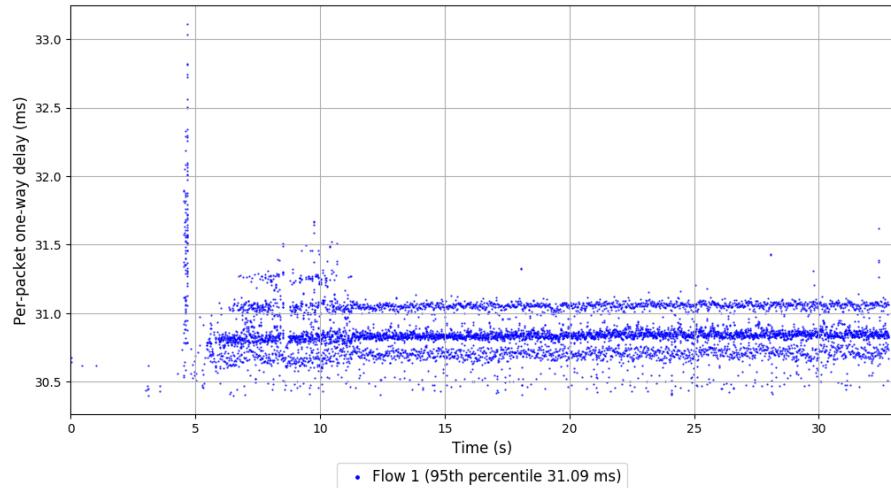
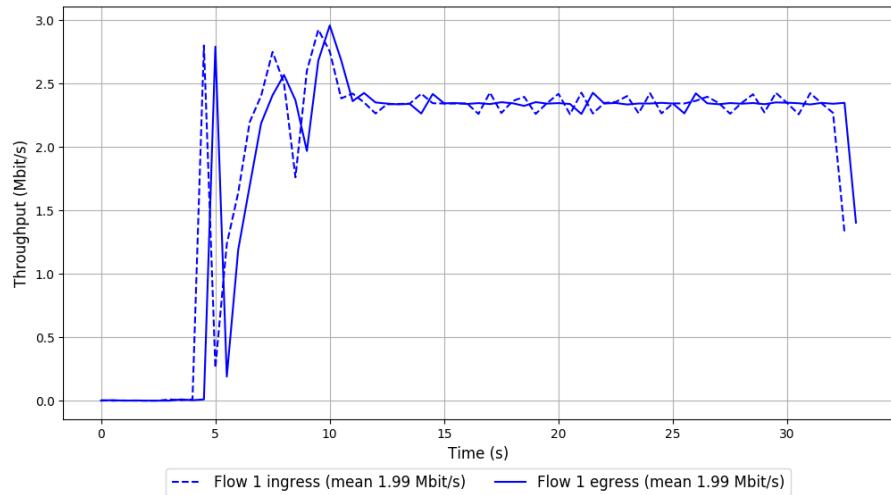


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-18 11:17:35
End at: 2018-06-18 11:18:05
Local clock offset: 0.337 ms
Remote clock offset: -1.767 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 31.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 31.087 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

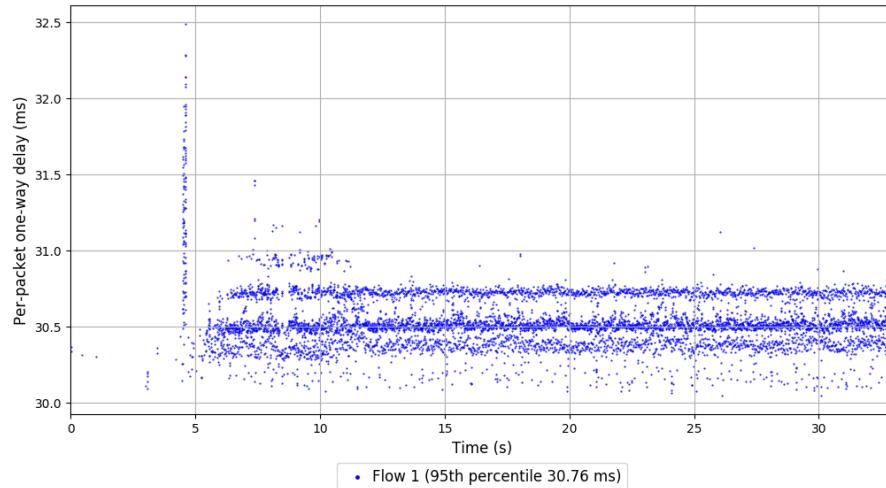
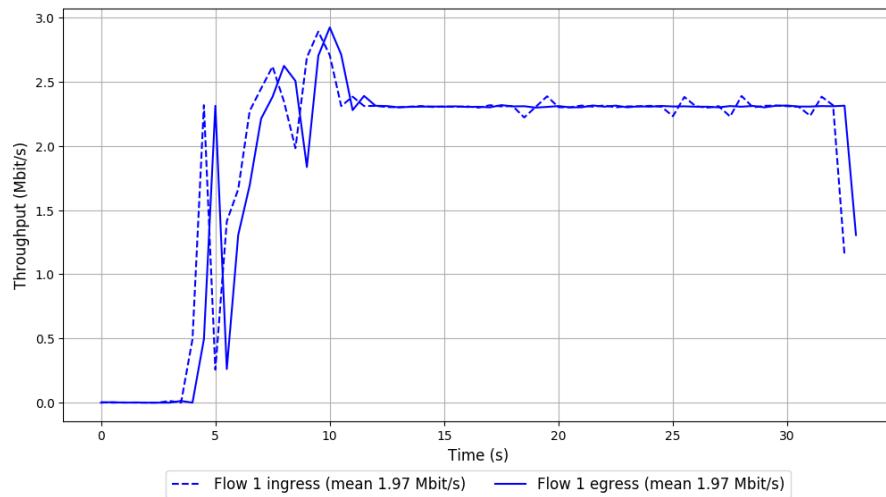


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-18 11:38:25
End at: 2018-06-18 11:38:55
Local clock offset: 0.296 ms
Remote clock offset: -0.584 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 30.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 30.762 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-18 11:59:16
End at: 2018-06-18 11:59:46
Local clock offset: 0.14 ms
Remote clock offset: -1.327 ms

# Below is generated by plot.py at 2018-06-18 12:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 30.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 30.607 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

