

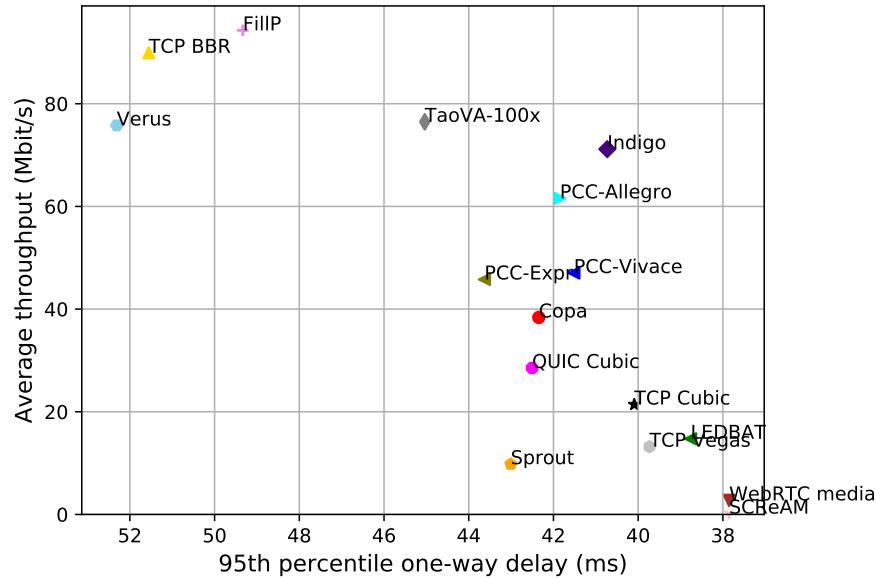
Pantheon Report

Generated at 2018-06-30 10:51:13 (UTC).
Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).
Repeated the test of 17 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.

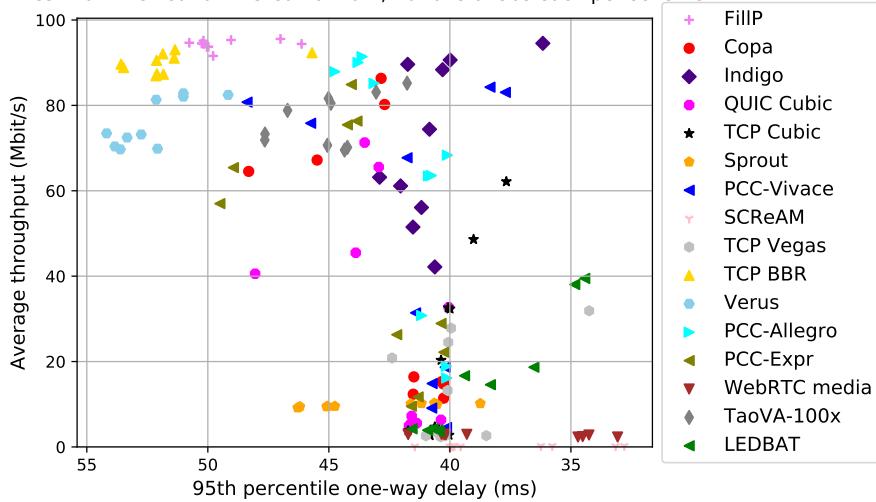
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
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
```

test from Mexico to AWS California 2, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Mexico to AWS California 2, 10 runs of 30s each per scheme



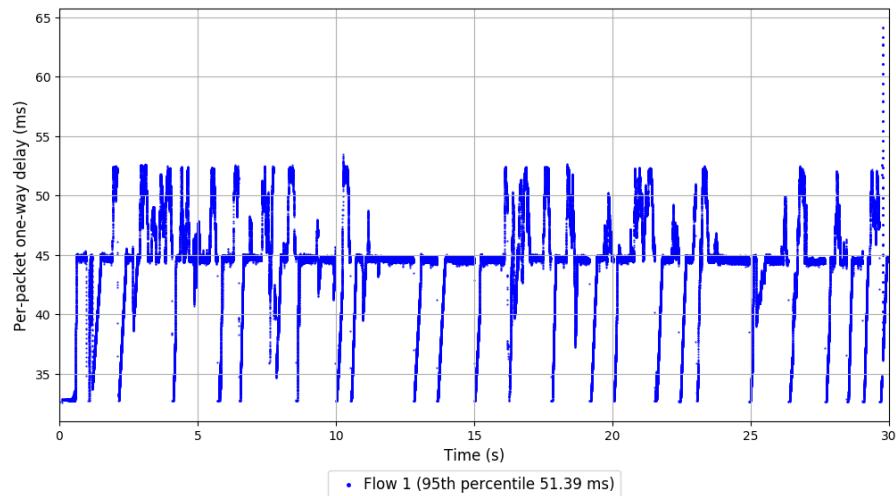
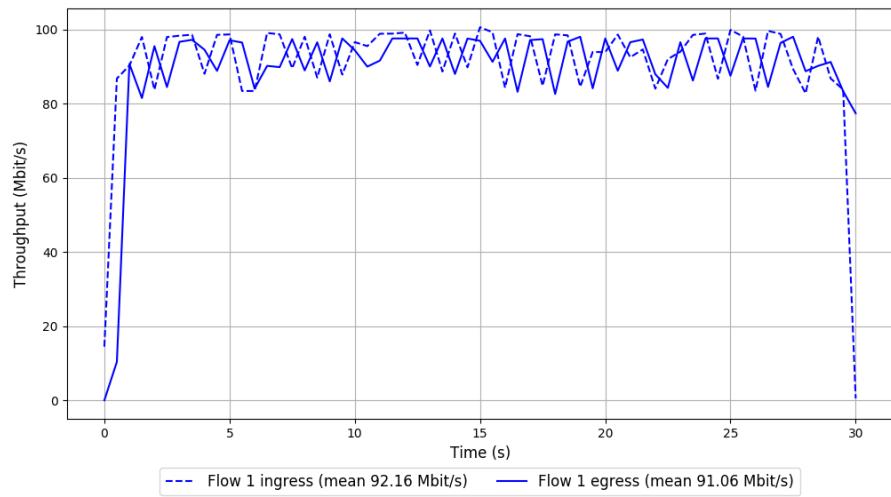
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	89.92	51.56	1.53
Copa	10	38.37	42.35	0.91
TCP Cubic	10	21.41	40.09	0.67
FillP	10	94.30	49.33	1.08
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	71.16	40.73	0.84
LEDBAT	10	14.74	38.76	1.11
PCC-Allegro	10	61.57	41.85	0.87
PCC-Expr	10	45.77	43.63	0.98
QUIC Cubic	10	28.53	42.50	0.79
SCReAM	10	0.16	37.86	0.86
Sprout	10	9.79	43.01	1.17
TaoVA-100x	10	76.48	45.04	0.98
TCP Vegas	10	13.19	39.73	0.92
Verus	10	75.77	52.31	1.19
PCC-Vivace	10	47.02	41.52	0.86
WebRTC media	10	2.74	37.85	1.13

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-30 06:49:25
End at: 2018-06-30 06:49:55
Local clock offset: 0.507 ms
Remote clock offset: 5.045 ms

# Below is generated by plot.py at 2018-06-30 10:38:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 51.391 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 51.391 ms
Loss rate: 1.42%
```

Run 1: Report of TCP BBR — Data Link

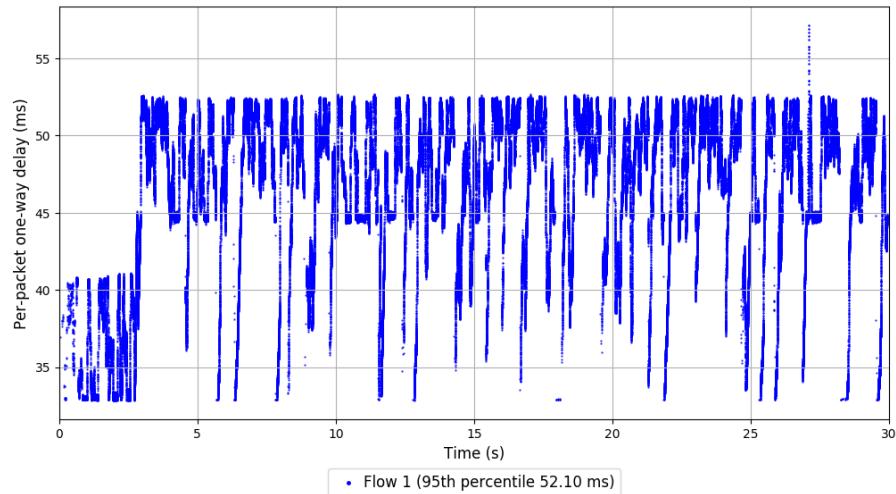
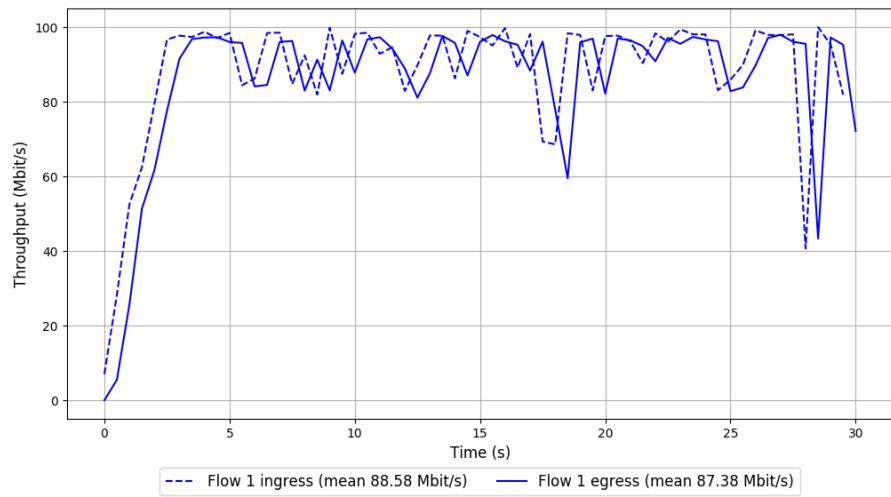


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-30 07:14:19
End at: 2018-06-30 07:14:49
Local clock offset: 0.768 ms
Remote clock offset: 4.452 ms

# Below is generated by plot.py at 2018-06-30 10:38:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 52.103 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 52.103 ms
Loss rate: 1.59%
```

Run 2: Report of TCP BBR — Data Link

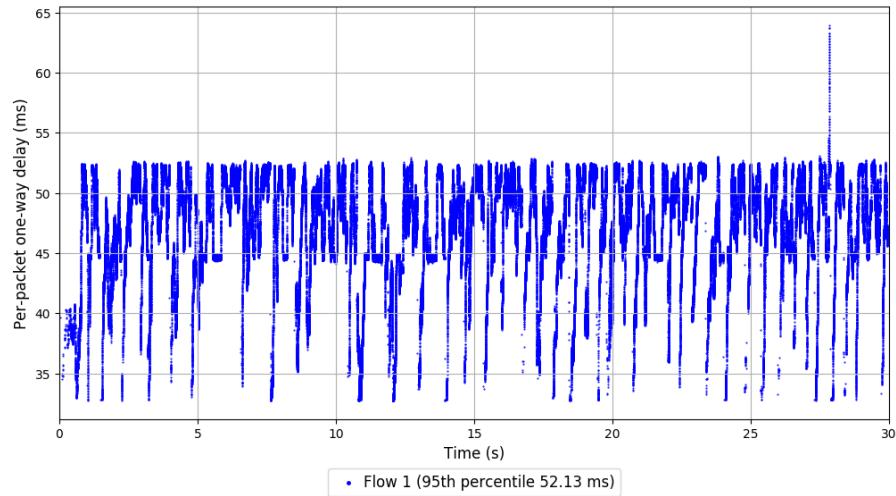
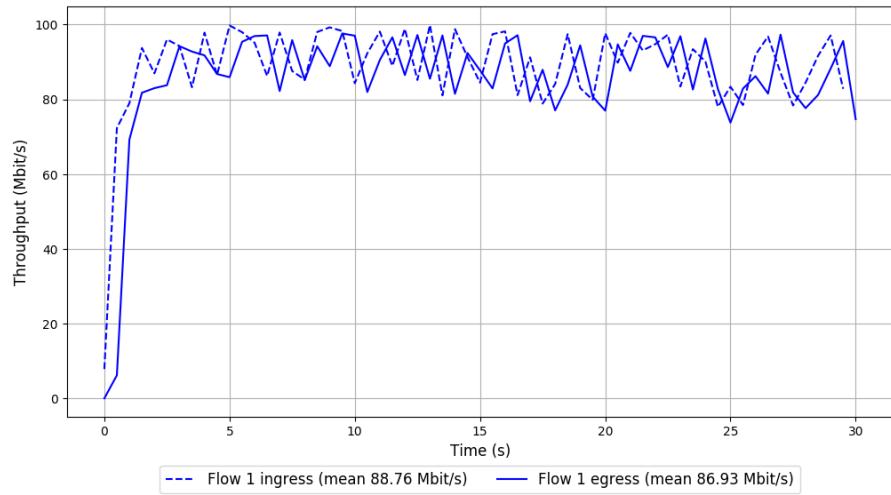


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-30 07:39:49
End at: 2018-06-30 07:40:19
Local clock offset: 1.249 ms
Remote clock offset: 4.522 ms

# Below is generated by plot.py at 2018-06-30 10:38:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 52.135 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 52.135 ms
Loss rate: 2.31%
```

Run 3: Report of TCP BBR — Data Link

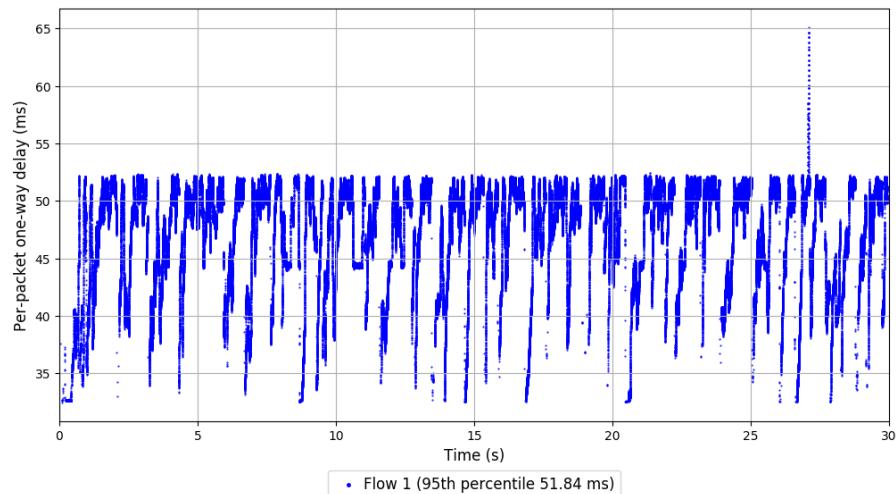
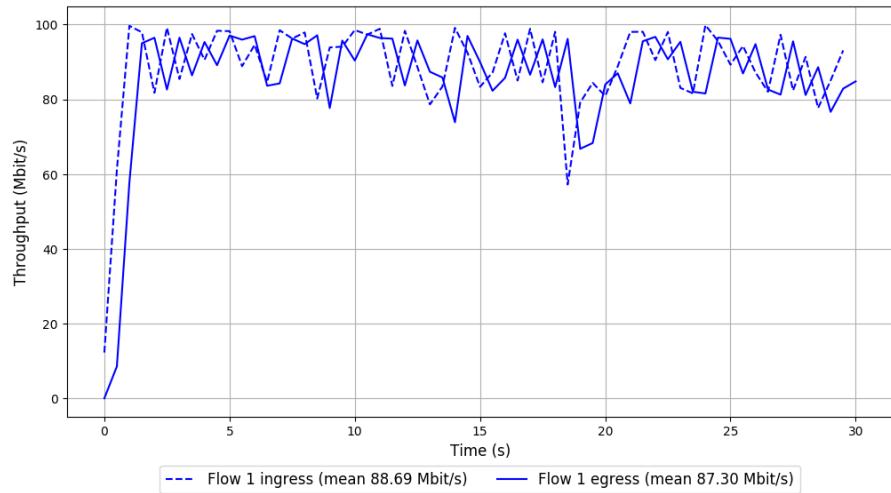


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-30 08:06:09
End at: 2018-06-30 08:06:39
Local clock offset: 1.114 ms
Remote clock offset: 3.511 ms

# Below is generated by plot.py at 2018-06-30 10:38:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 51.835 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 51.835 ms
Loss rate: 1.83%
```

Run 4: Report of TCP BBR — Data Link

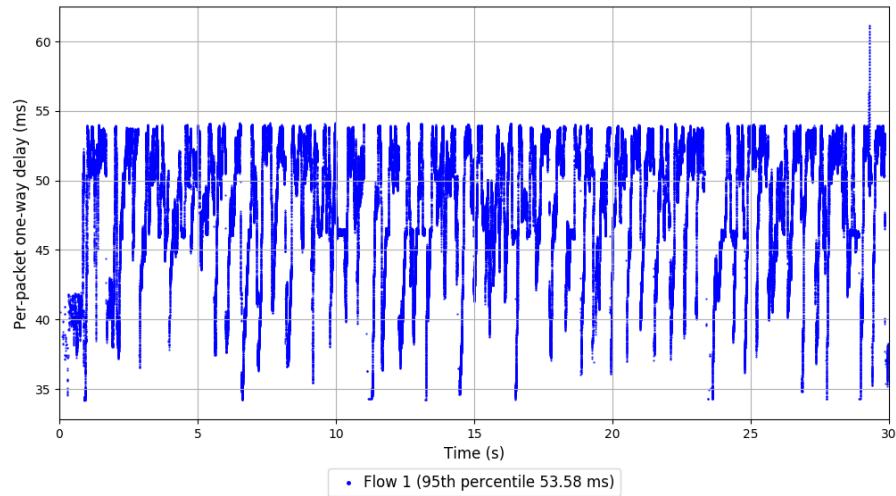
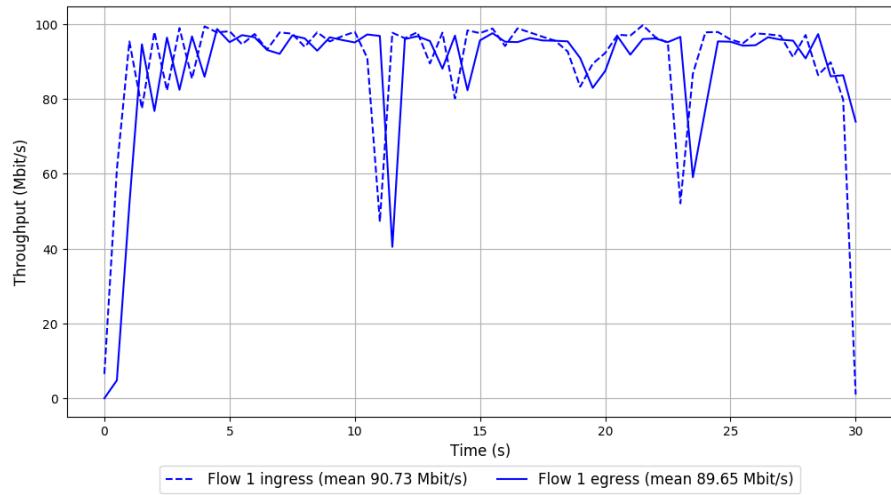


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-30 08:31:42
End at: 2018-06-30 08:32:12
Local clock offset: 0.819 ms
Remote clock offset: -0.292 ms

# Below is generated by plot.py at 2018-06-30 10:38:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 53.584 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 53.584 ms
Loss rate: 1.44%
```

Run 5: Report of TCP BBR — Data Link

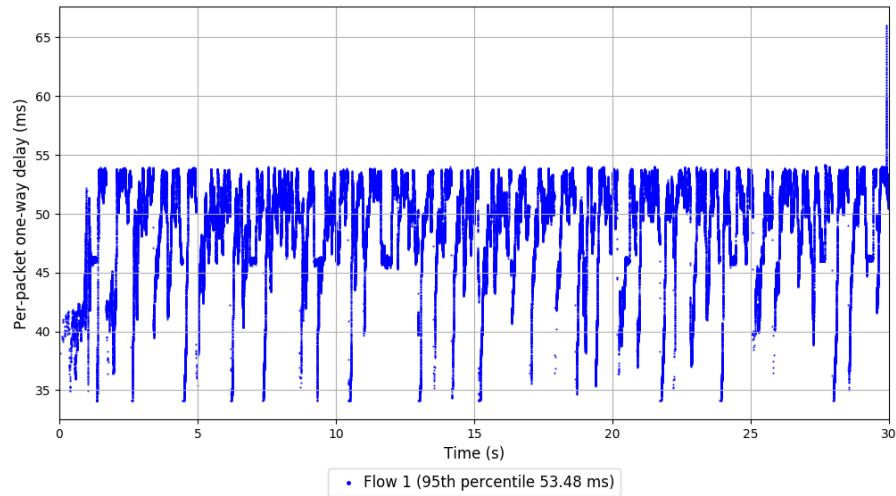
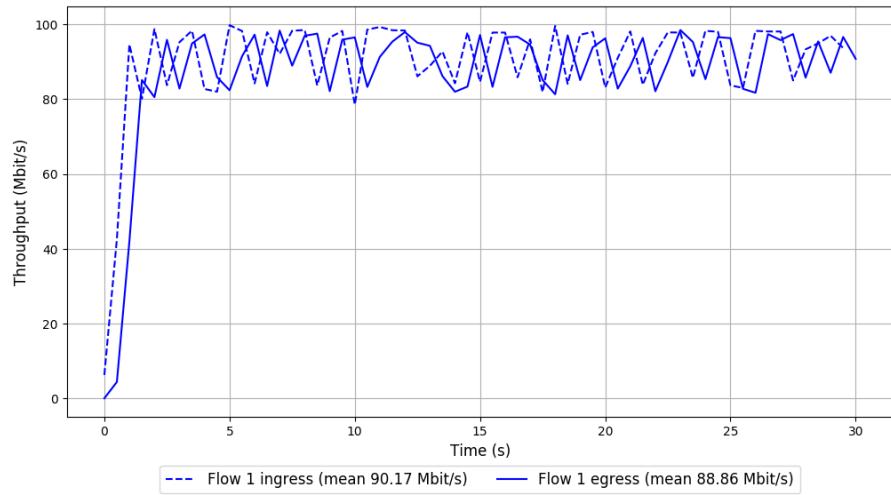


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-30 08:56:42
End at: 2018-06-30 08:57:12
Local clock offset: 0.35 ms
Remote clock offset: 1.255 ms

# Below is generated by plot.py at 2018-06-30 10:38:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 53.482 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 53.482 ms
Loss rate: 1.67%
```

Run 6: Report of TCP BBR — Data Link

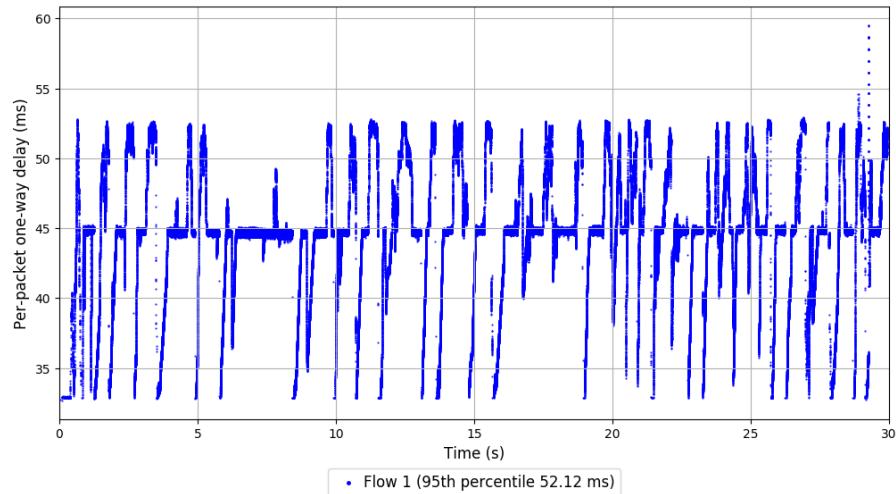
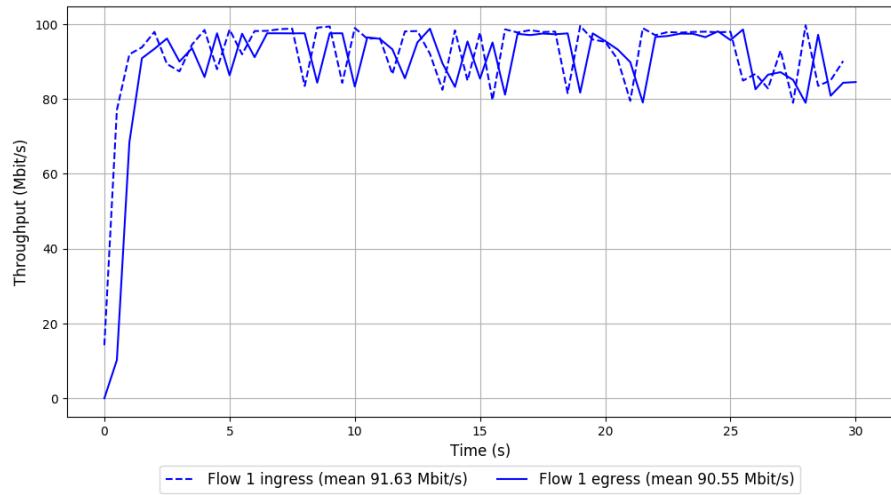


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-30 09:22:07
End at: 2018-06-30 09:22:37
Local clock offset: 0.282 ms
Remote clock offset: 2.335 ms

# Below is generated by plot.py at 2018-06-30 10:38:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 52.119 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 52.119 ms
Loss rate: 1.39%
```

Run 7: Report of TCP BBR — Data Link

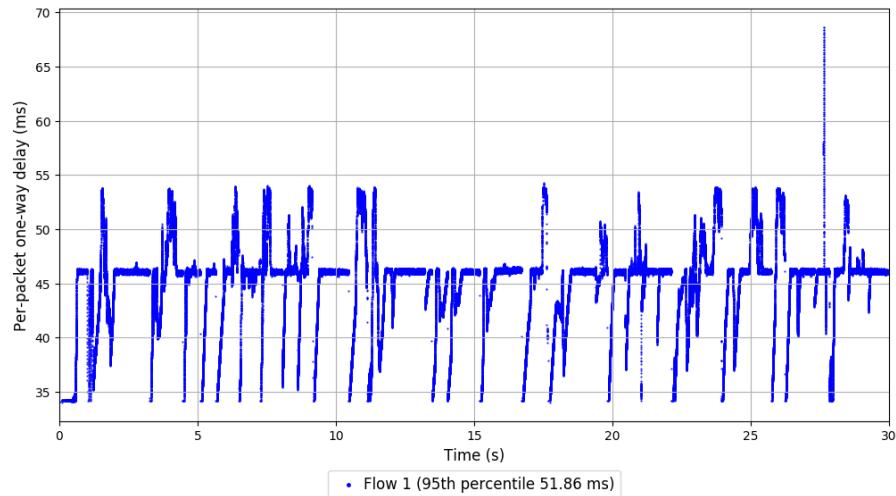
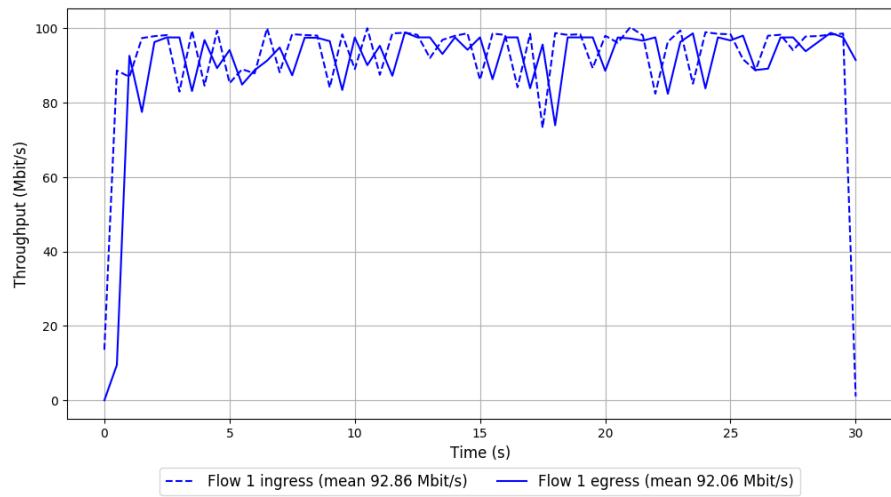


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-30 09:45:13
End at: 2018-06-30 09:45:43
Local clock offset: 0.148 ms
Remote clock offset: 4.498 ms

# Below is generated by plot.py at 2018-06-30 10:38:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 51.858 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 51.858 ms
Loss rate: 1.10%
```

Run 8: Report of TCP BBR — Data Link

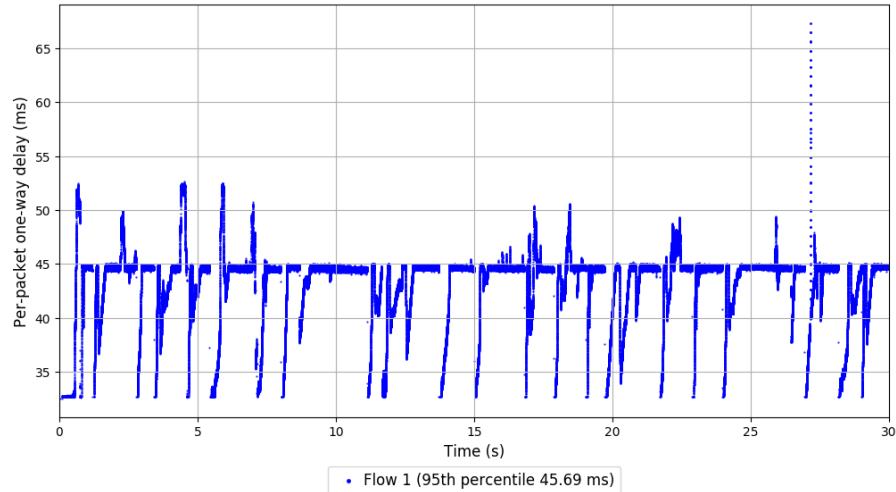
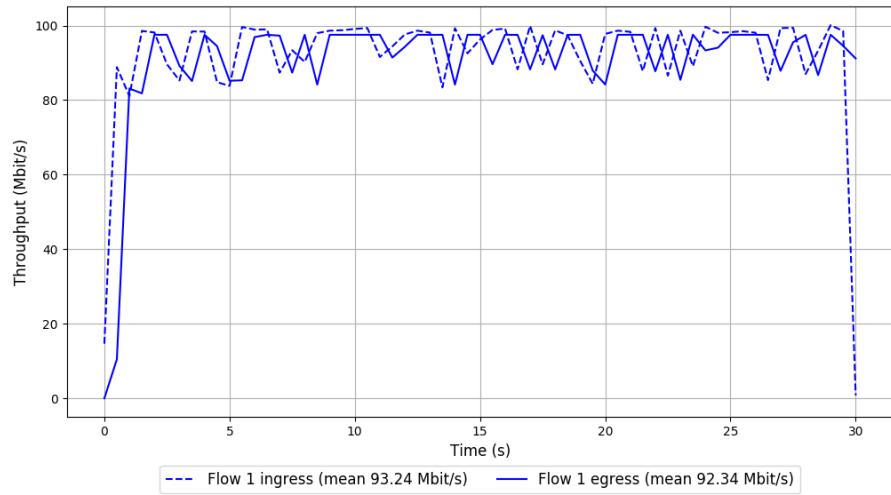


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-30 10:07:54
End at: 2018-06-30 10:08:24
Local clock offset: 0.177 ms
Remote clock offset: 7.057 ms

# Below is generated by plot.py at 2018-06-30 10:39:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 45.694 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 45.694 ms
Loss rate: 1.19%
```

Run 9: Report of TCP BBR — Data Link

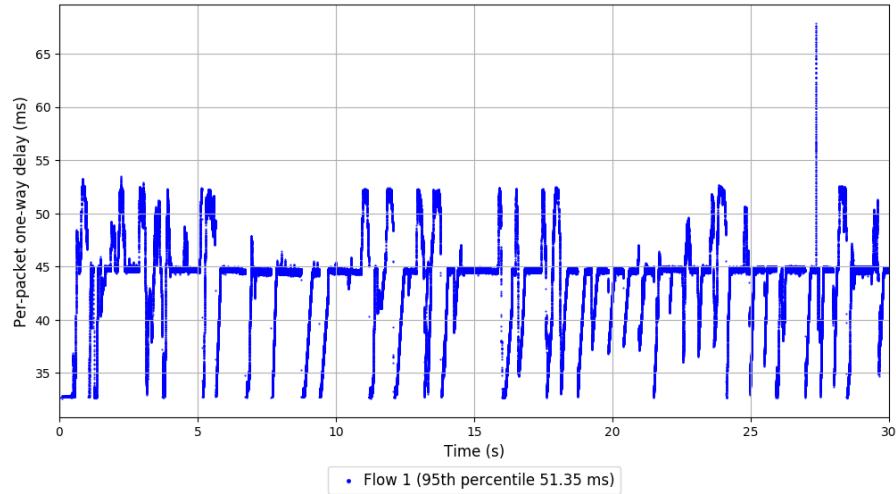
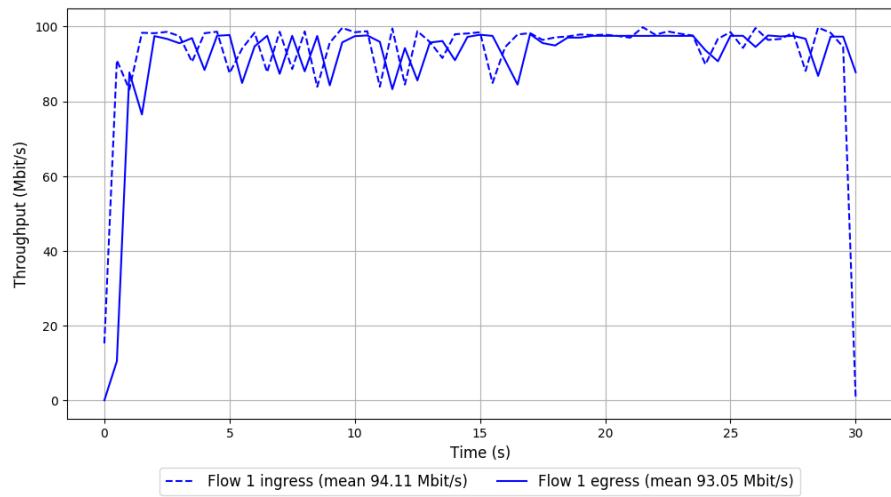


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2018-06-30 10:30:55
End at: 2018-06-30 10:31:25
Local clock offset: 0.223 ms
Remote clock offset: 4.639 ms

# Below is generated by plot.py at 2018-06-30 10:39:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 51.355 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 51.355 ms
Loss rate: 1.35%
```

Run 10: Report of TCP BBR — Data Link

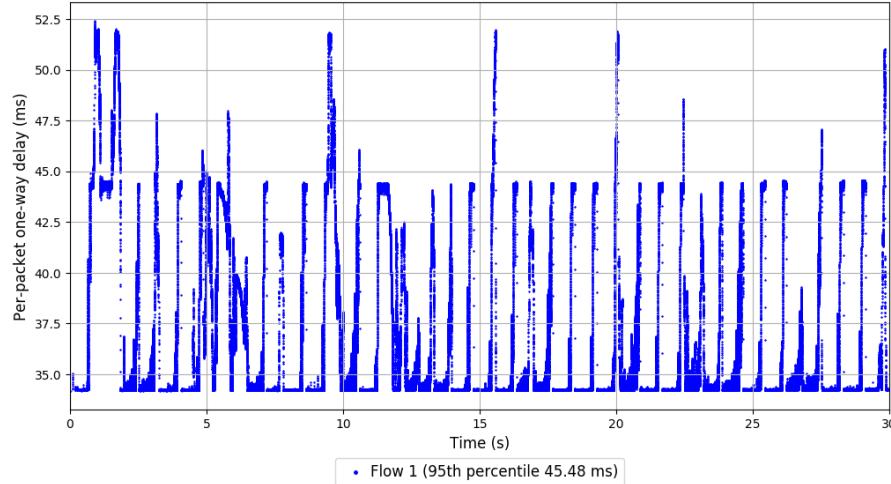
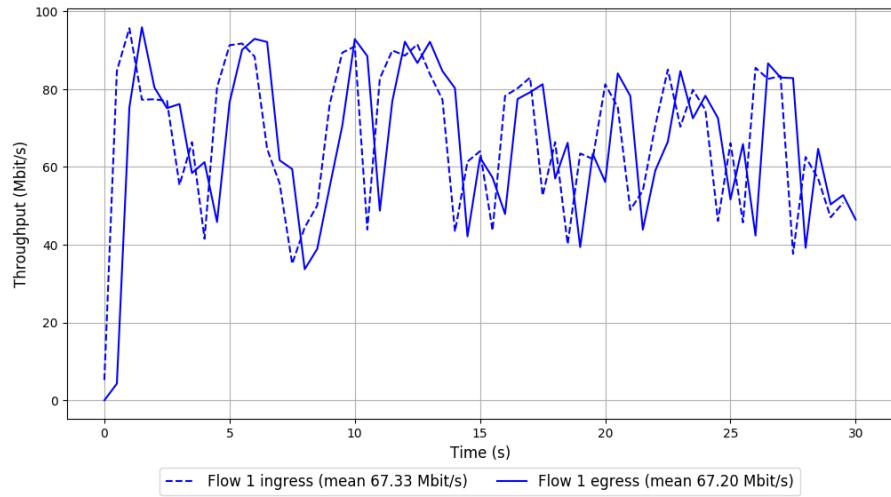


Run 1: Statistics of Copa

```
Start at: 2018-06-30 06:40:07
End at: 2018-06-30 06:40:37
Local clock offset: 0.473 ms
Remote clock offset: 4.713 ms

# Below is generated by plot.py at 2018-06-30 10:39:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.20 Mbit/s
95th percentile per-packet one-way delay: 45.485 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 67.20 Mbit/s
95th percentile per-packet one-way delay: 45.485 ms
Loss rate: 0.43%
```

Run 1: Report of Copa — Data Link

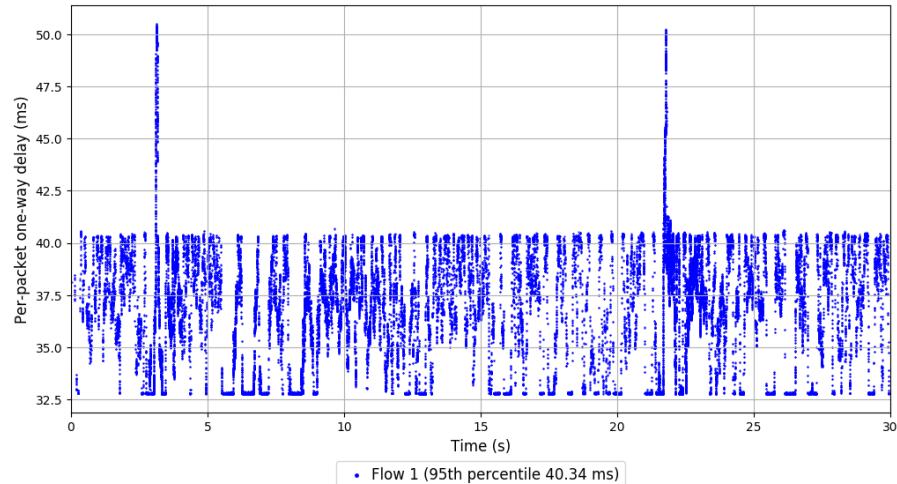
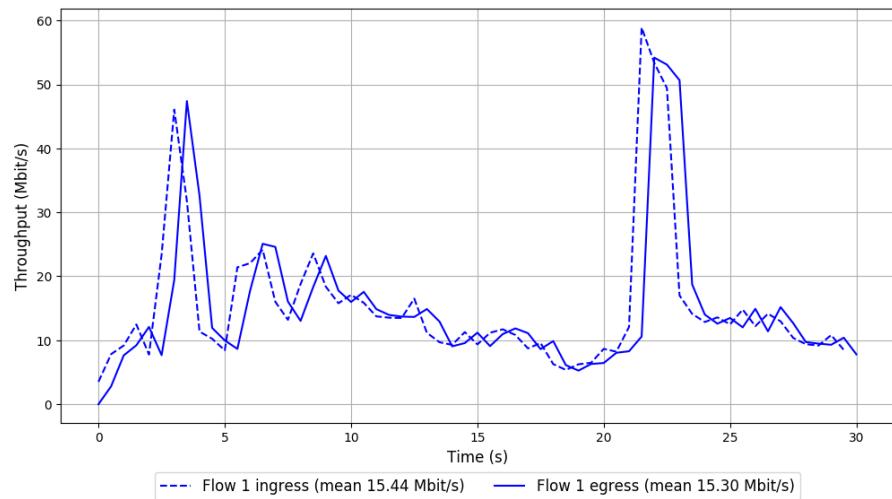


Run 2: Statistics of Copa

```
Start at: 2018-06-30 07:03:33
End at: 2018-06-30 07:04:03
Local clock offset: 0.796 ms
Remote clock offset: 4.368 ms

# Below is generated by plot.py at 2018-06-30 10:39:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.30 Mbit/s
95th percentile per-packet one-way delay: 40.335 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 15.30 Mbit/s
95th percentile per-packet one-way delay: 40.335 ms
Loss rate: 1.21%
```

Run 2: Report of Copa — Data Link

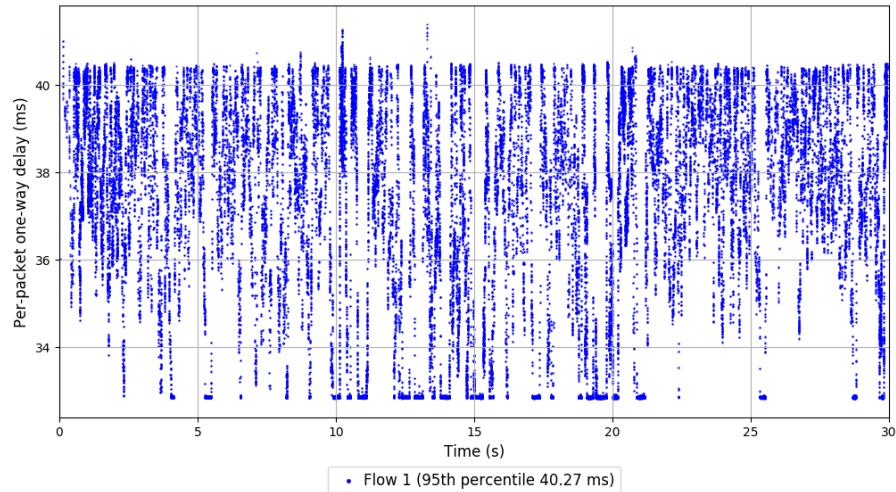
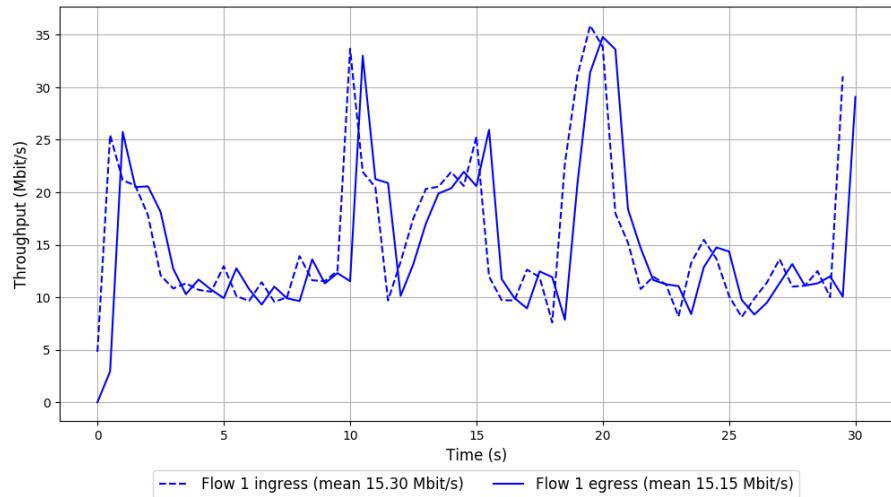


Run 3: Statistics of Copa

```
Start at: 2018-06-30 07:28:54
End at: 2018-06-30 07:29:24
Local clock offset: 1.197 ms
Remote clock offset: 4.531 ms

# Below is generated by plot.py at 2018-06-30 10:39:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 40.269 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 40.269 ms
Loss rate: 1.27%
```

Run 3: Report of Copa — Data Link

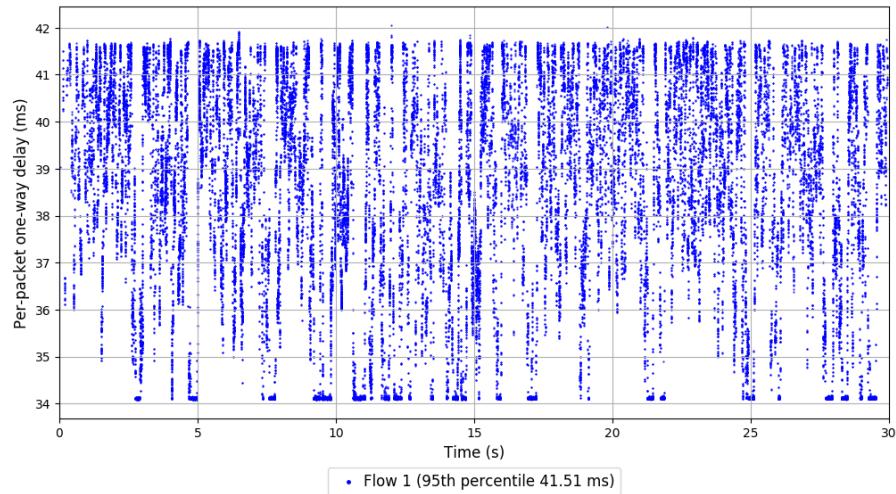
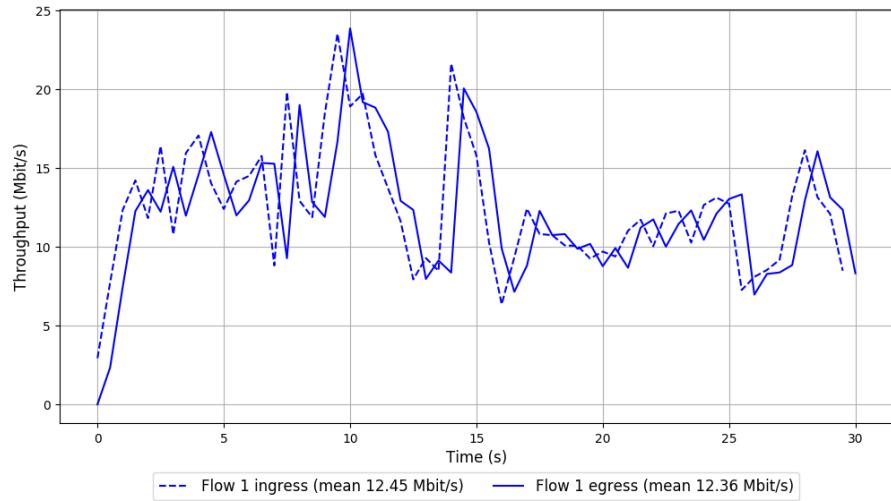


Run 4: Statistics of Copa

```
Start at: 2018-06-30 07:54:54
End at: 2018-06-30 07:55:24
Local clock offset: 1.077 ms
Remote clock offset: 4.72 ms

# Below is generated by plot.py at 2018-06-30 10:39:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 41.514 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 41.514 ms
Loss rate: 1.03%
```

Run 4: Report of Copa — Data Link

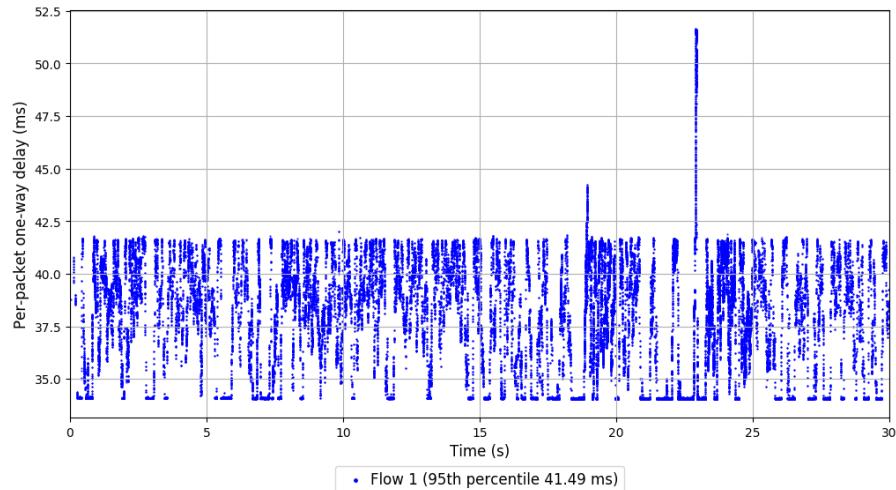
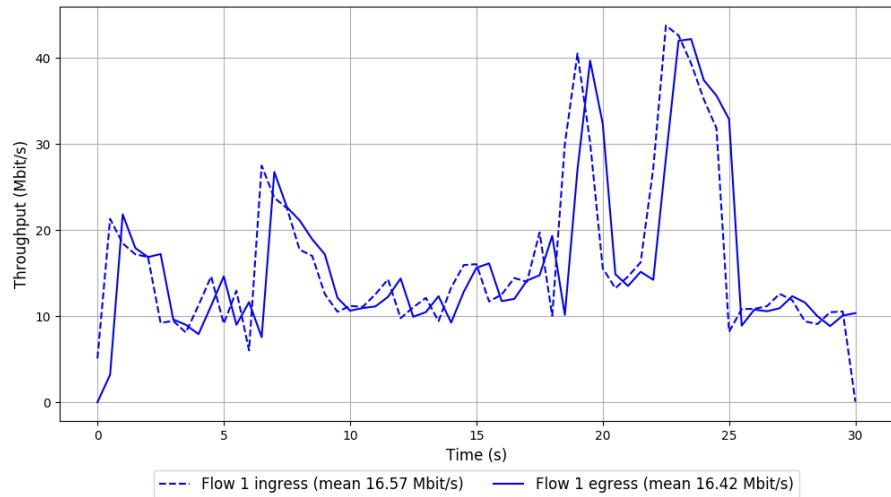


Run 5: Statistics of Copa

```
Start at: 2018-06-30 08:20:48
End at: 2018-06-30 08:21:18
Local clock offset: 0.965 ms
Remote clock offset: 0.255 ms

# Below is generated by plot.py at 2018-06-30 10:39:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 41.488 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 41.488 ms
Loss rate: 1.18%
```

Run 5: Report of Copa — Data Link

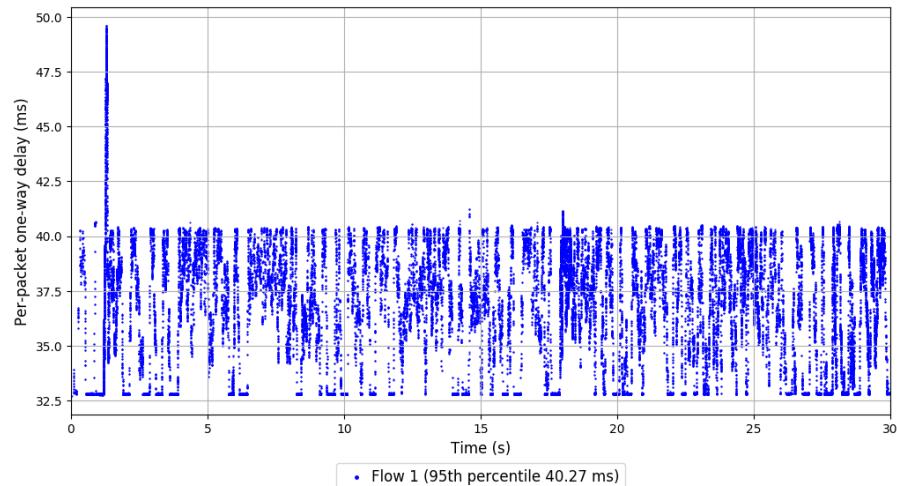
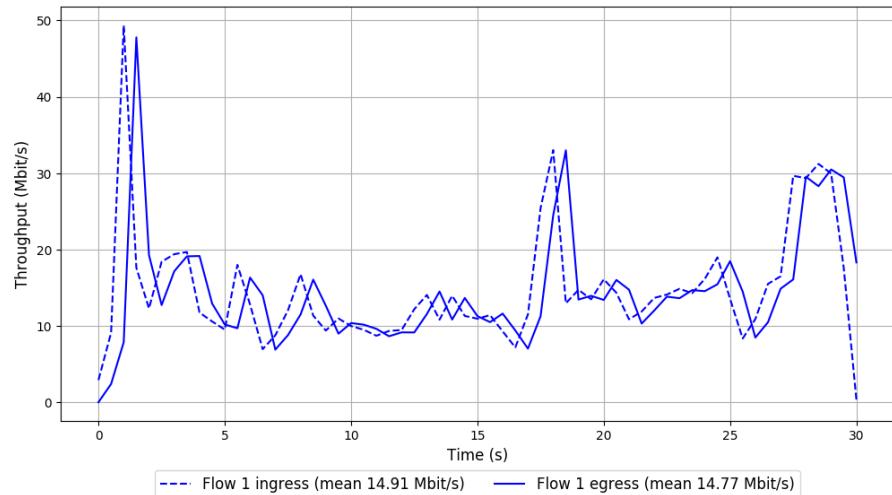


Run 6: Statistics of Copa

```
Start at: 2018-06-30 08:46:20
End at: 2018-06-30 08:46:50
Local clock offset: 0.601 ms
Remote clock offset: 0.788 ms

# Below is generated by plot.py at 2018-06-30 10:39:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.77 Mbit/s
95th percentile per-packet one-way delay: 40.267 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 14.77 Mbit/s
95th percentile per-packet one-way delay: 40.267 ms
Loss rate: 1.15%
```

Run 6: Report of Copa — Data Link

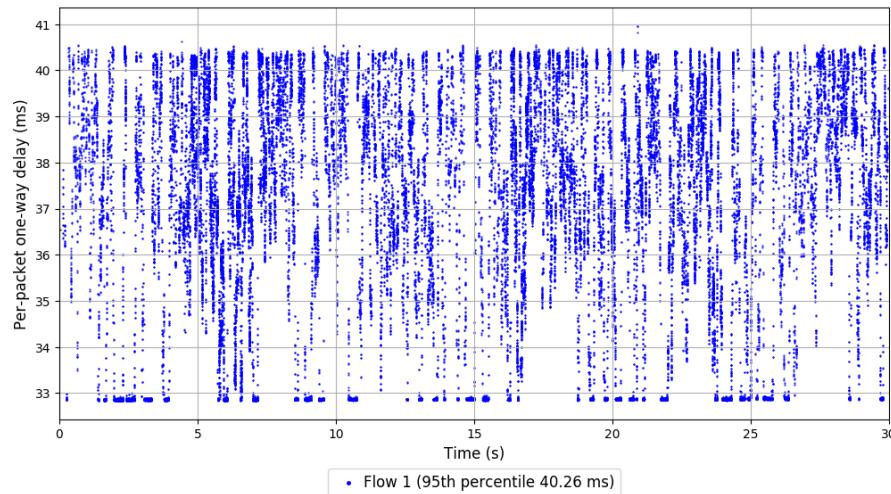
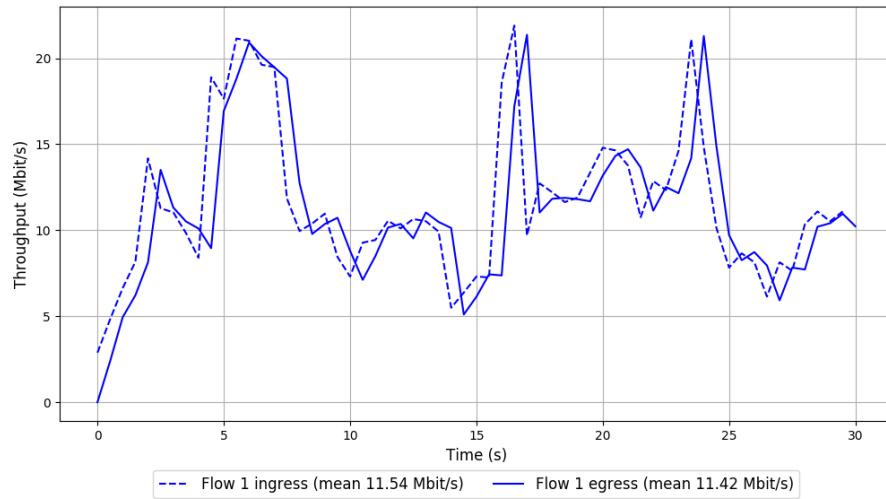


Run 7: Statistics of Copa

```
Start at: 2018-06-30 09:11:27
End at: 2018-06-30 09:11:57
Local clock offset: 0.252 ms
Remote clock offset: 1.666 ms

# Below is generated by plot.py at 2018-06-30 10:39:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 40.258 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 40.258 ms
Loss rate: 1.25%
```

Run 7: Report of Copa — Data Link

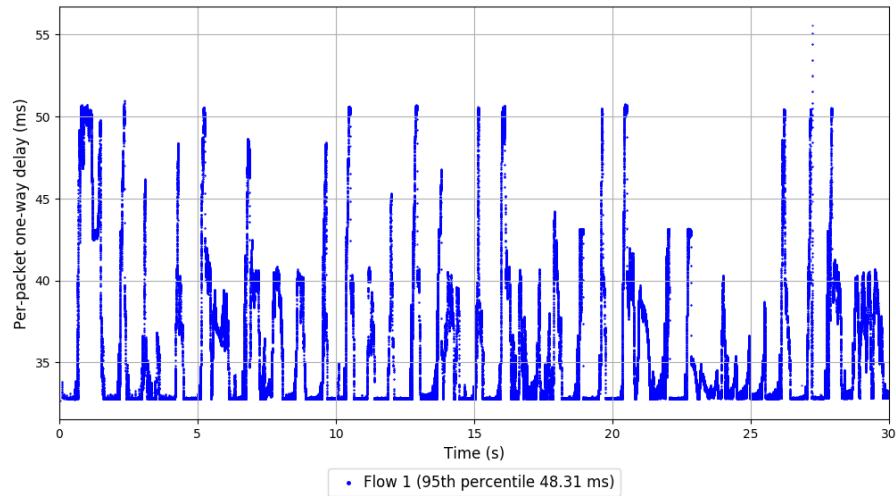
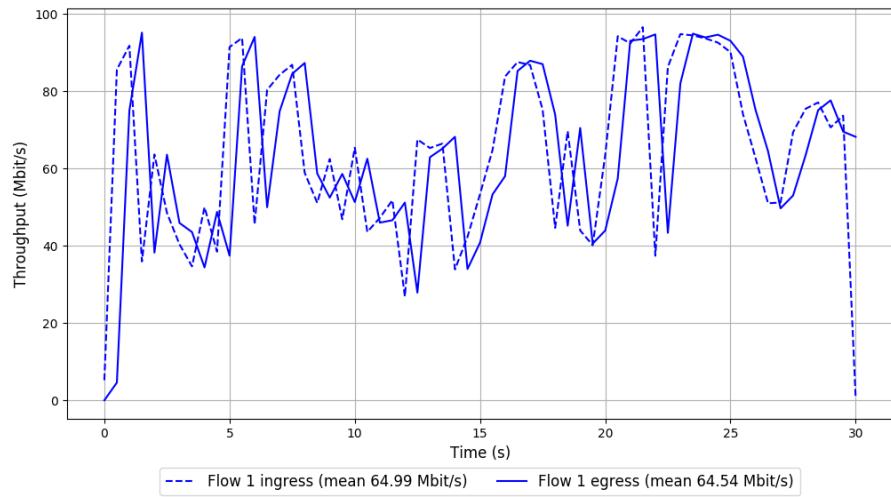


Run 8: Statistics of Copa

```
Start at: 2018-06-30 09:35:31
End at: 2018-06-30 09:36:01
Local clock offset: 0.194 ms
Remote clock offset: 3.547 ms

# Below is generated by plot.py at 2018-06-30 10:40:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.54 Mbit/s
95th percentile per-packet one-way delay: 48.312 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 64.54 Mbit/s
95th percentile per-packet one-way delay: 48.312 ms
Loss rate: 0.93%
```

Run 8: Report of Copa — Data Link

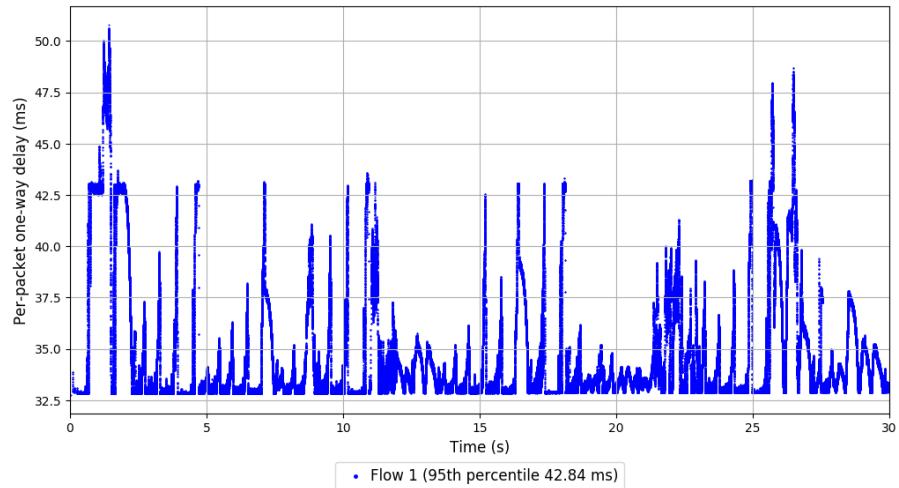
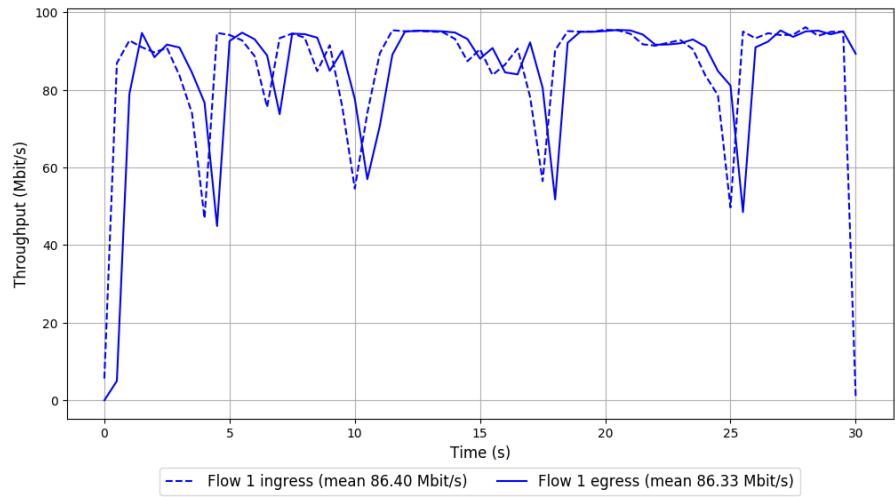


Run 9: Statistics of Copa

```
Start at: 2018-06-30 09:58:29
End at: 2018-06-30 09:58:59
Local clock offset: 0.288 ms
Remote clock offset: 6.054 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 42.841 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 42.841 ms
Loss rate: 0.31%
```

Run 9: Report of Copa — Data Link

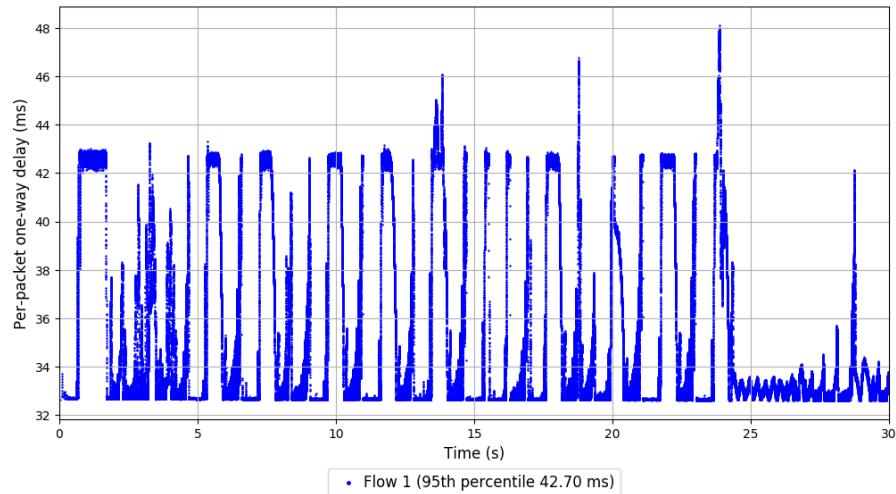
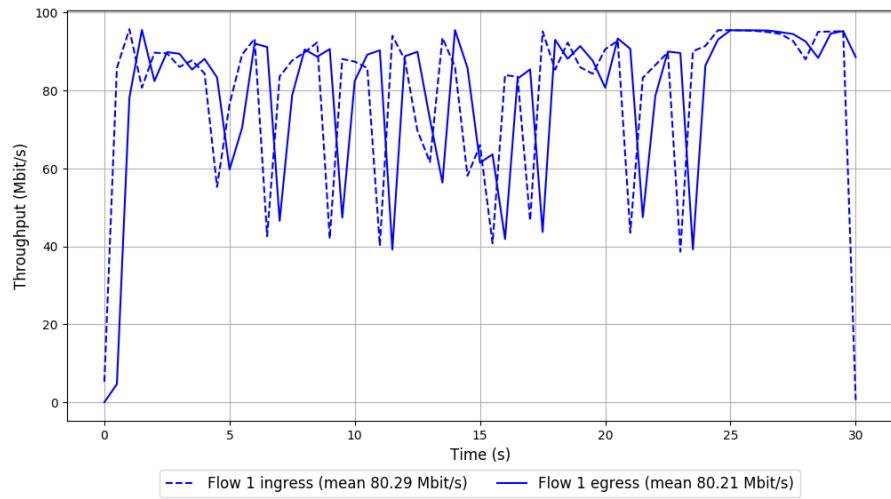


Run 10: Statistics of Copa

```
Start at: 2018-06-30 10:21:25
End at: 2018-06-30 10:21:55
Local clock offset: 0.207 ms
Remote clock offset: 5.45 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 42.696 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 42.696 ms
Loss rate: 0.33%
```

Run 10: Report of Copa — Data Link

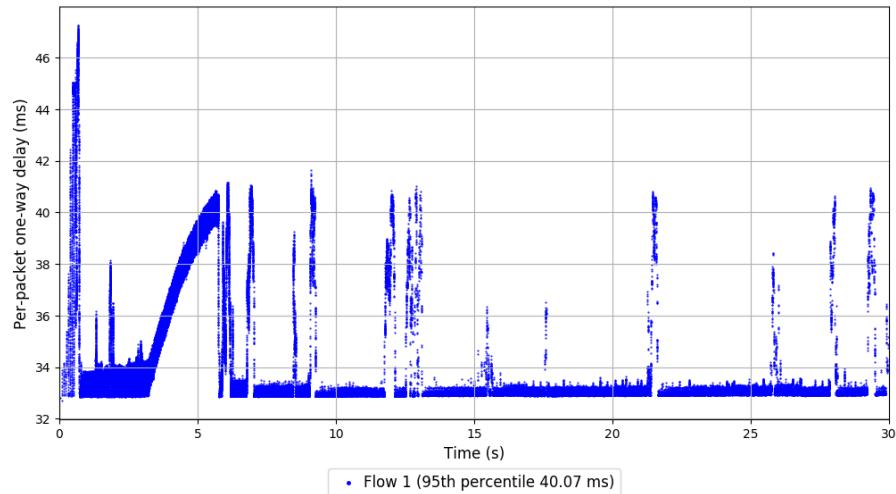
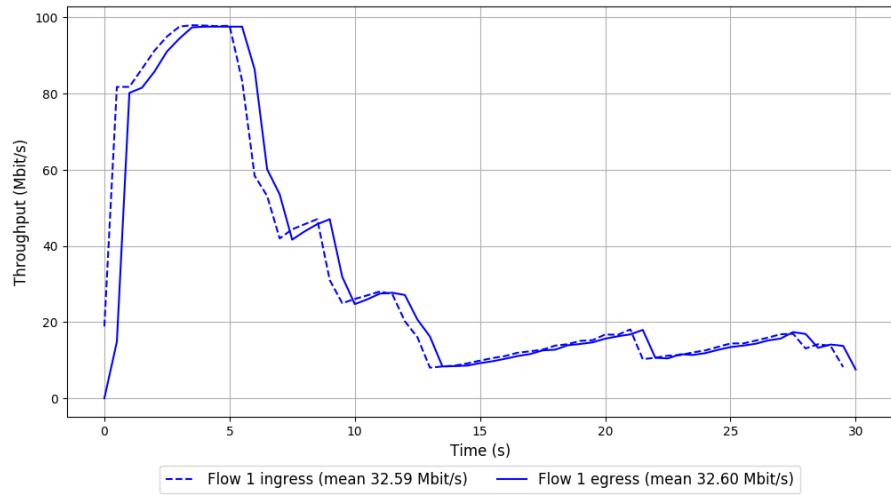


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-30 06:32:18
End at: 2018-06-30 06:32:48
Local clock offset: 0.933 ms
Remote clock offset: 4.58 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 40.070 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 40.070 ms
Loss rate: 0.20%
```

Run 1: Report of TCP Cubic — Data Link

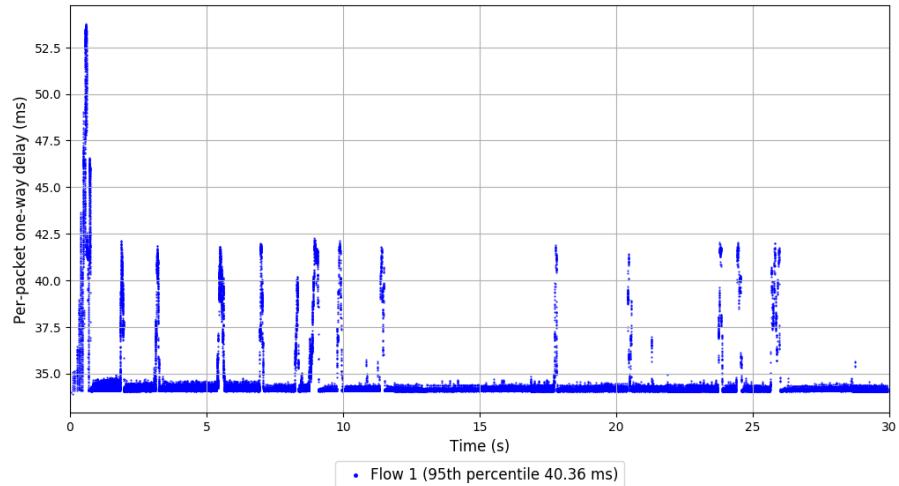
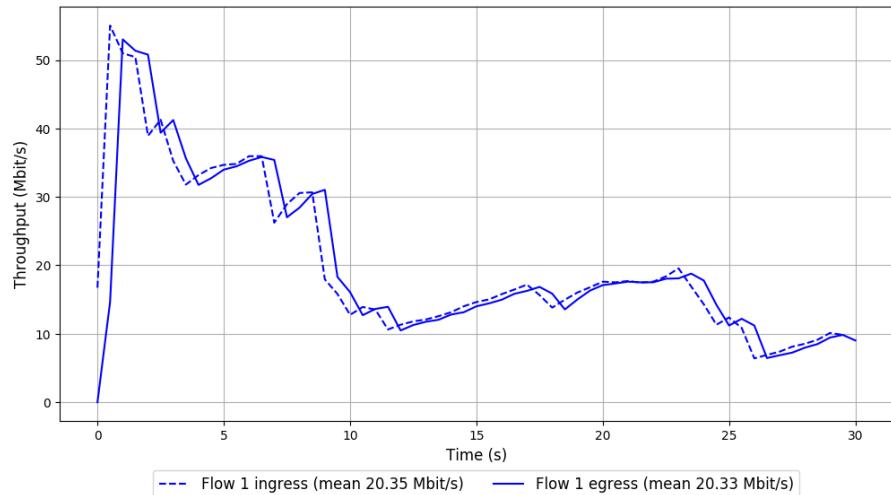


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-30 06:54:35
End at: 2018-06-30 06:55:05
Local clock offset: 0.672 ms
Remote clock offset: 4.624 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 40.364 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 40.364 ms
Loss rate: 0.32%
```

Run 2: Report of TCP Cubic — Data Link

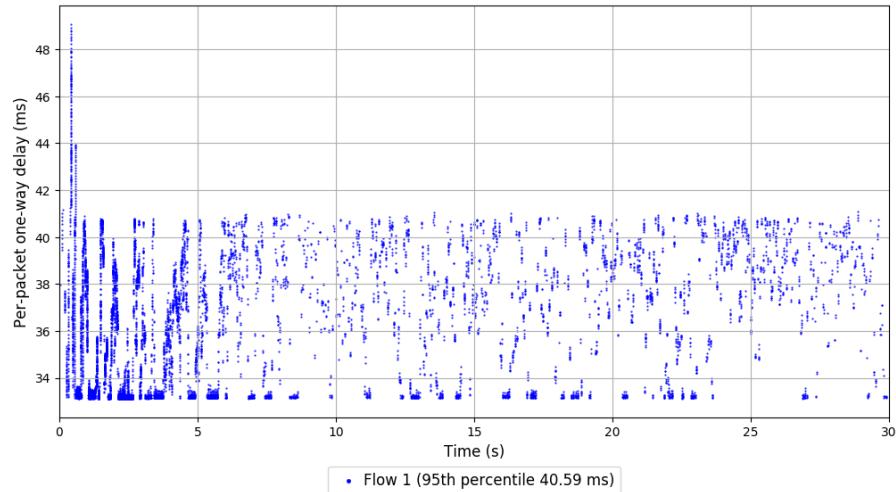
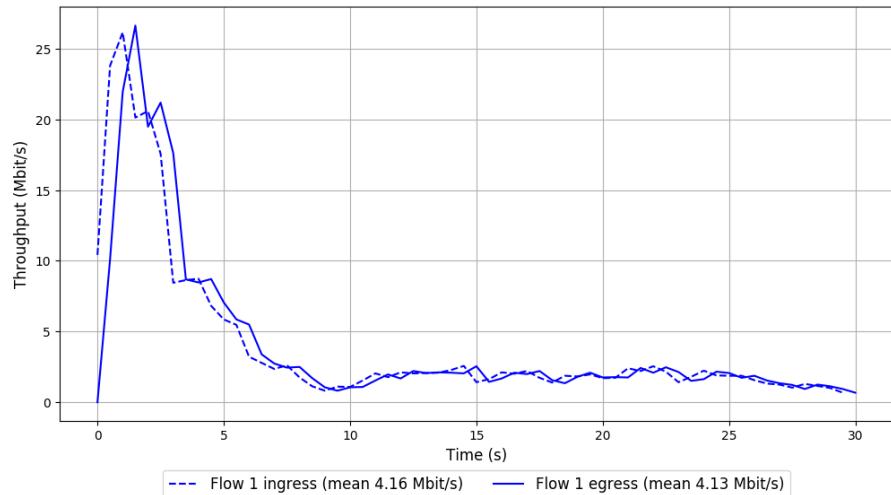


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-30 07:19:59
End at: 2018-06-30 07:20:29
Local clock offset: 0.903 ms
Remote clock offset: 4.177 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 40.591 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 40.591 ms
Loss rate: 0.95%
```

Run 3: Report of TCP Cubic — Data Link

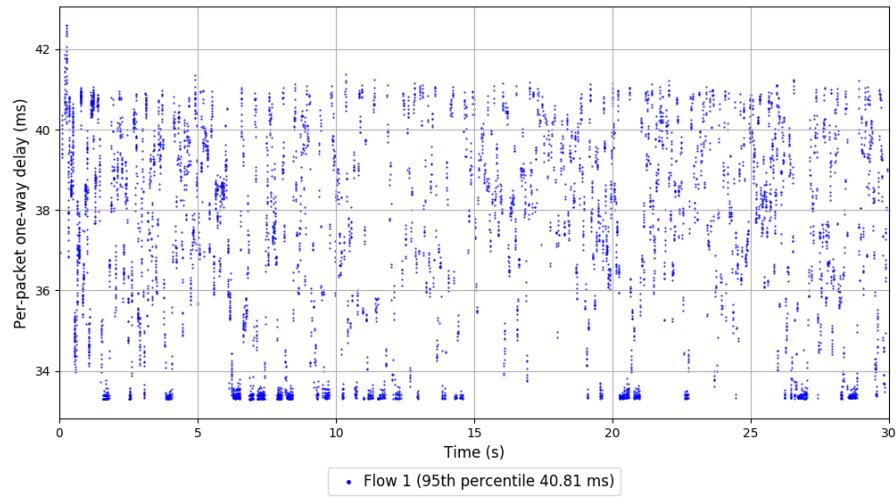
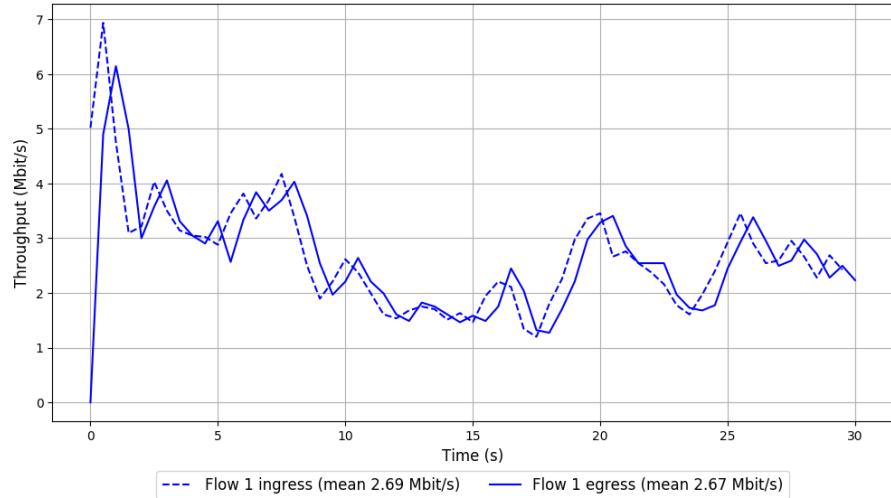


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-30 07:45:51
End at: 2018-06-30 07:46:21
Local clock offset: 1.182 ms
Remote clock offset: 4.051 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 40.815 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 40.815 ms
Loss rate: 1.12%
```

Run 4: Report of TCP Cubic — Data Link

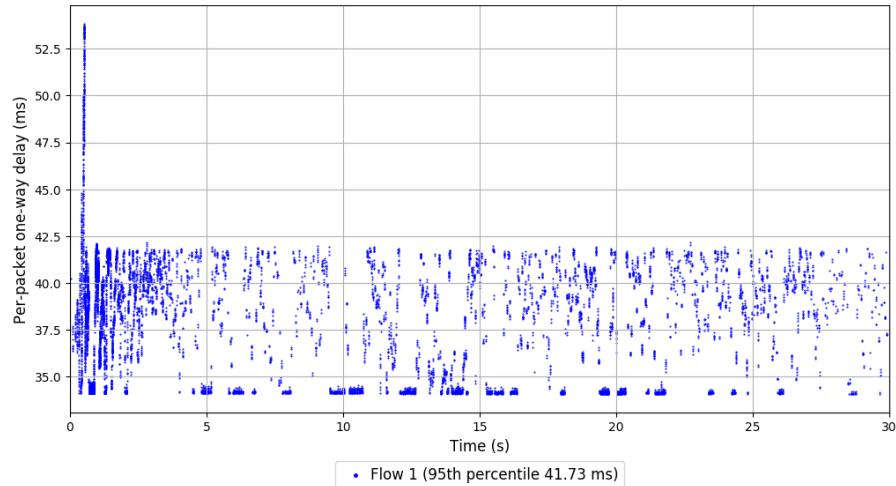
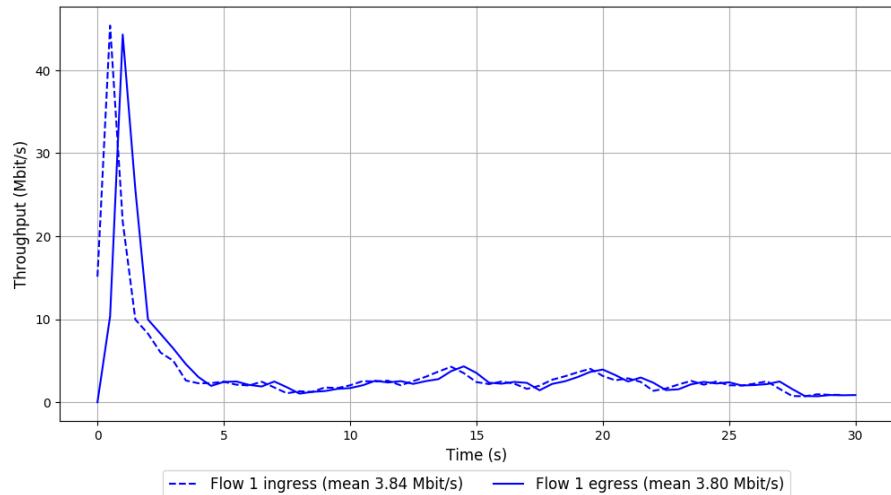


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-30 08:12:10
End at: 2018-06-30 08:12:40
Local clock offset: 1.095 ms
Remote clock offset: 1.061 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 41.728 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 41.728 ms
Loss rate: 1.17%
```

Run 5: Report of TCP Cubic — Data Link

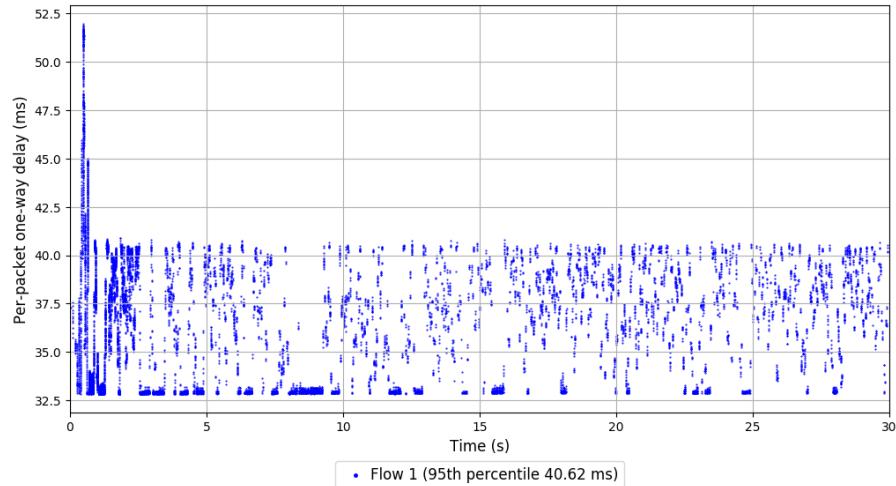
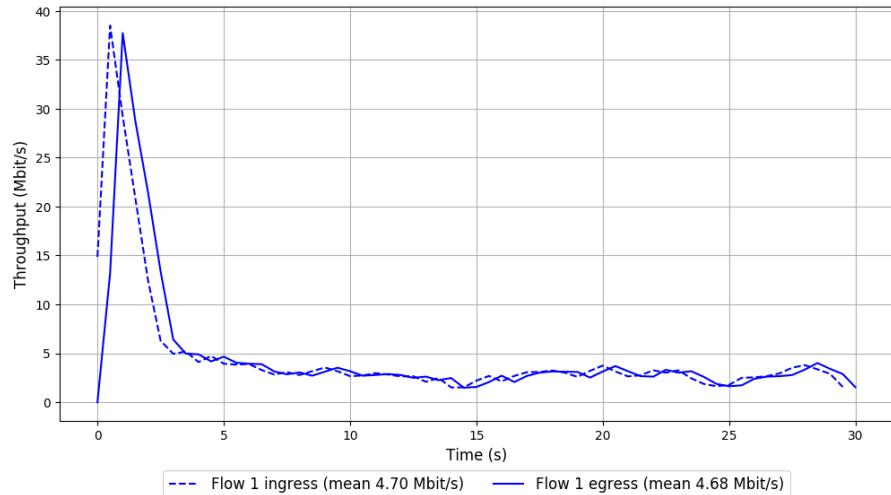


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-30 08:37:29
End at: 2018-06-30 08:37:59
Local clock offset: 0.778 ms
Remote clock offset: 0.313 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 40.625 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 40.625 ms
Loss rate: 0.84%
```

Run 6: Report of TCP Cubic — Data Link

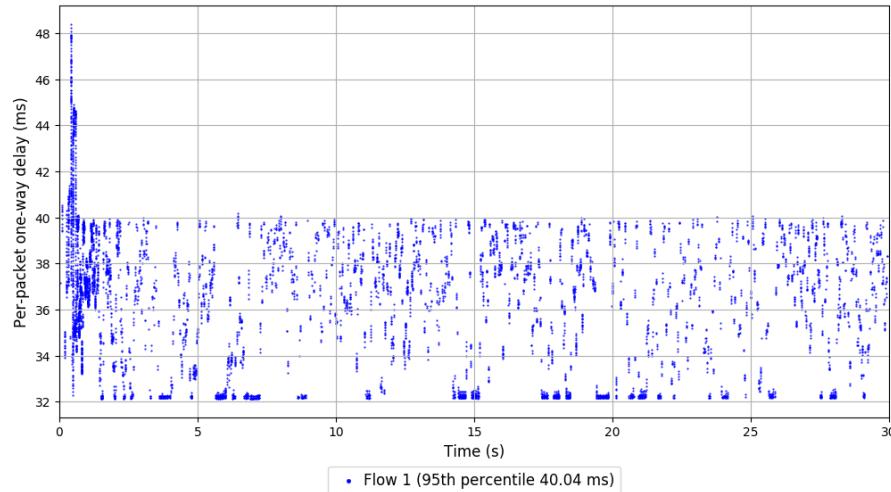
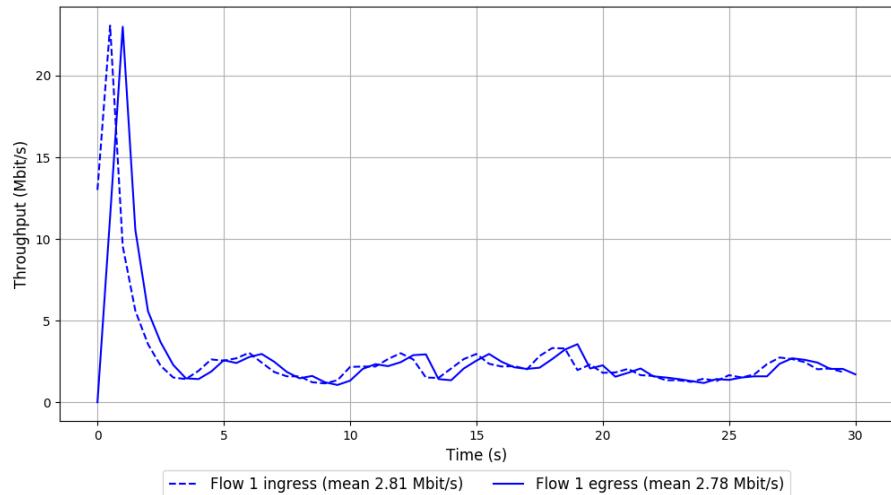


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-30 09:02:30
End at: 2018-06-30 09:03:00
Local clock offset: 0.275 ms
Remote clock offset: 2.109 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 40.038 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 40.038 ms
Loss rate: 1.28%
```

Run 7: Report of TCP Cubic — Data Link

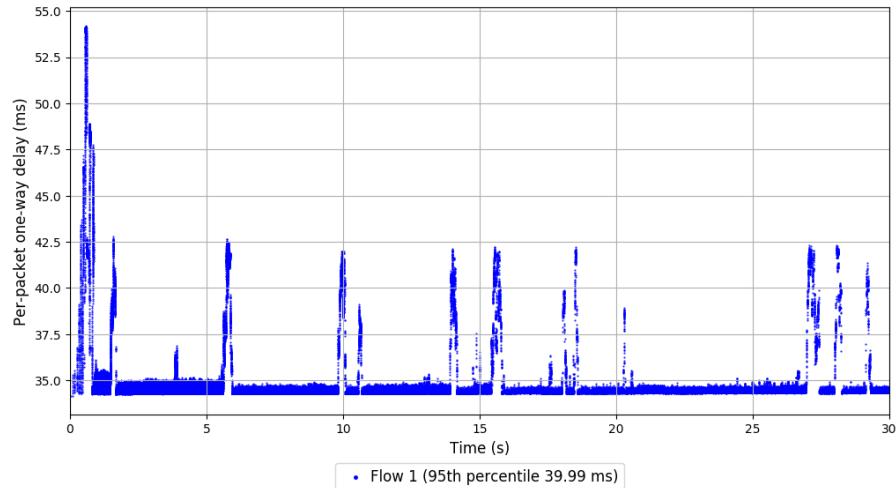
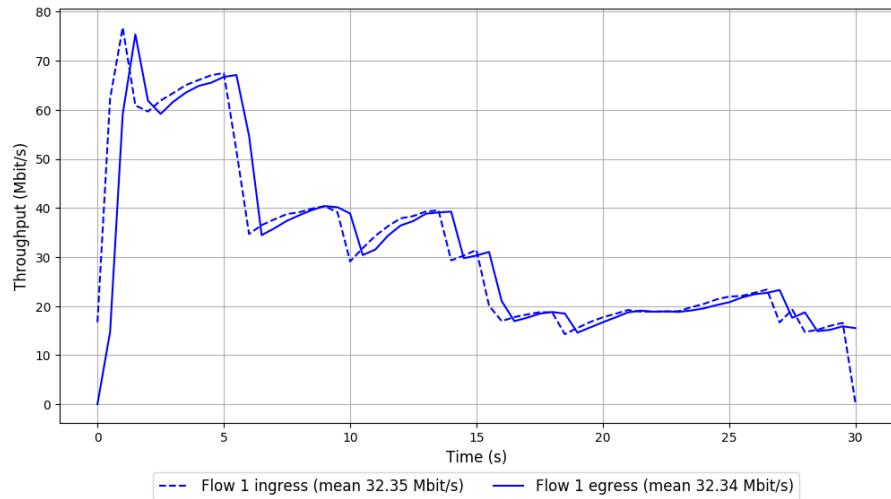


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-30 09:27:19
End at: 2018-06-30 09:27:49
Local clock offset: 0.32 ms
Remote clock offset: 2.819 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 39.995 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 39.995 ms
Loss rate: 0.28%
```

Run 8: Report of TCP Cubic — Data Link

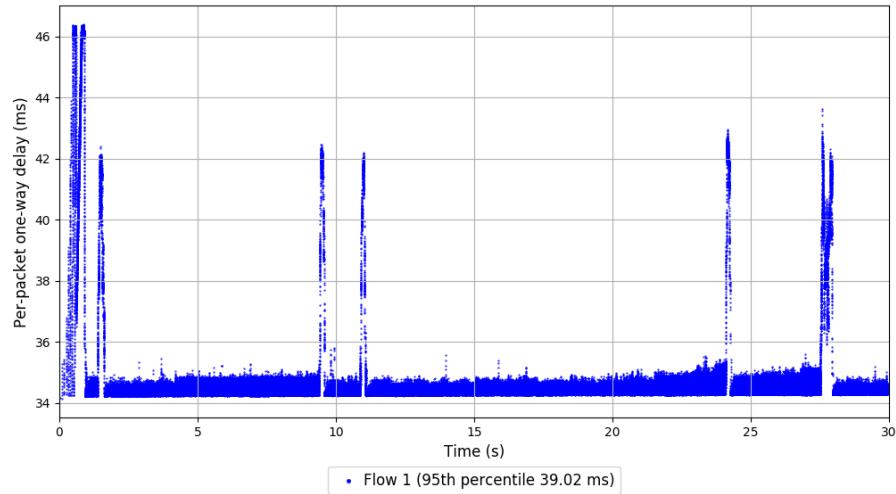
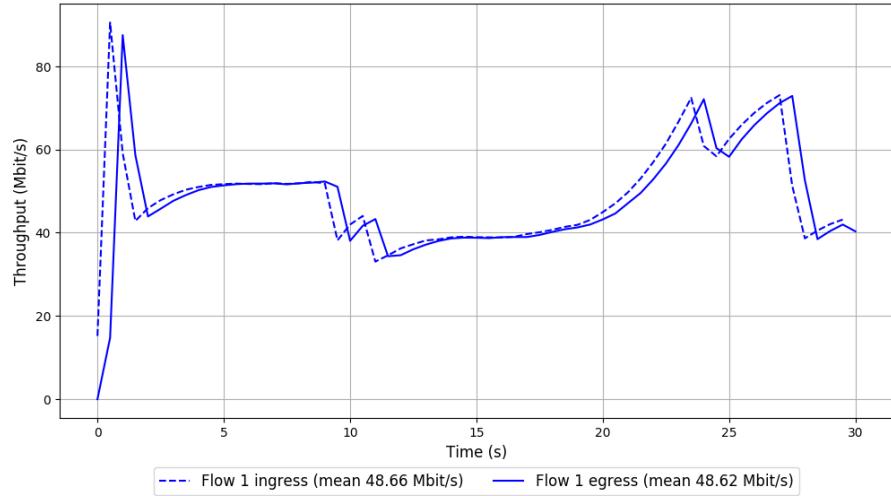


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-30 09:50:29
End at: 2018-06-30 09:50:59
Local clock offset: 0.29 ms
Remote clock offset: 5.12 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 39.022 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 39.022 ms
Loss rate: 0.32%
```

Run 9: Report of TCP Cubic — Data Link

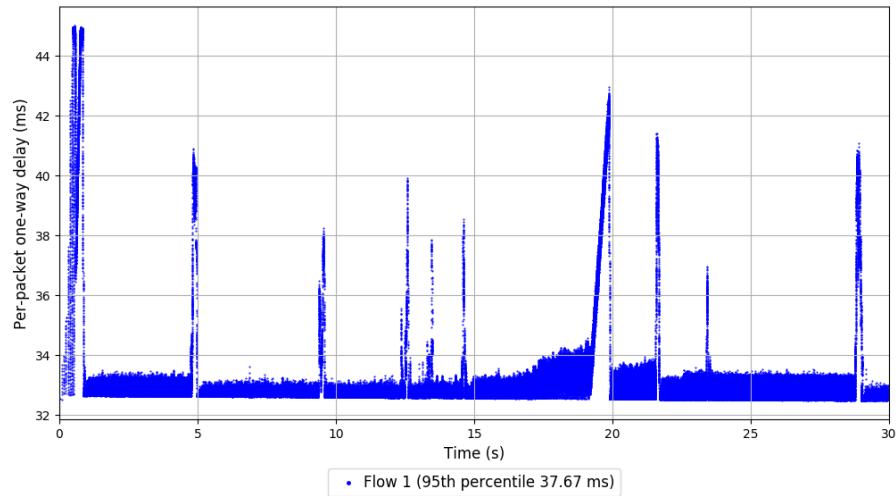
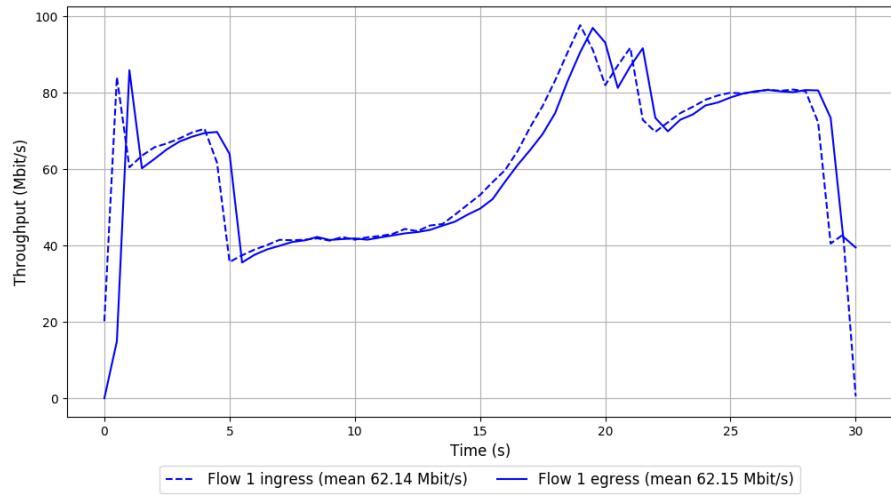


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-30 10:13:23
End at: 2018-06-30 10:13:53
Local clock offset: 0.249 ms
Remote clock offset: 7.454 ms

# Below is generated by plot.py at 2018-06-30 10:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 37.667 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 37.667 ms
Loss rate: 0.20%
```

Run 10: Report of TCP Cubic — Data Link

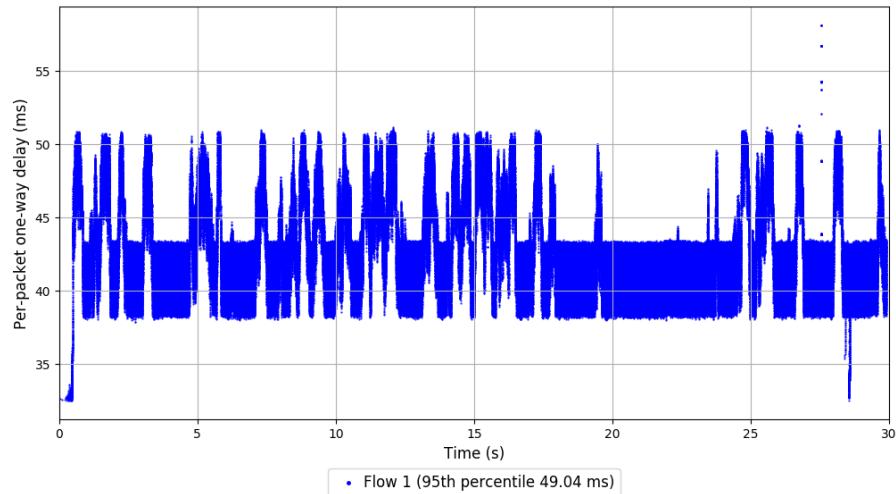
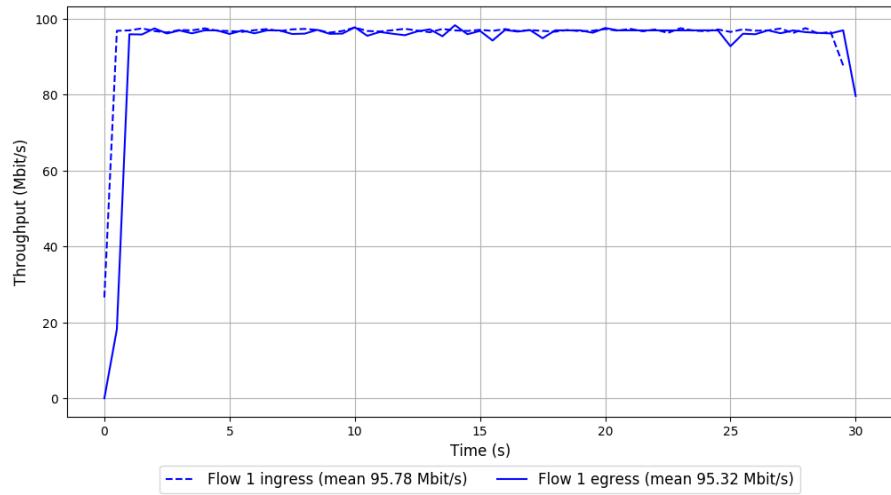


```
Run 1: Statistics of FillP

Start at: 2018-06-30 06:34:51
End at: 2018-06-30 06:35:21
Local clock offset: 0.671 ms
Remote clock offset: 4.705 ms

# Below is generated by plot.py at 2018-06-30 10:41:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 49.042 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 49.042 ms
Loss rate: 0.73%
```

Run 1: Report of FillP — Data Link

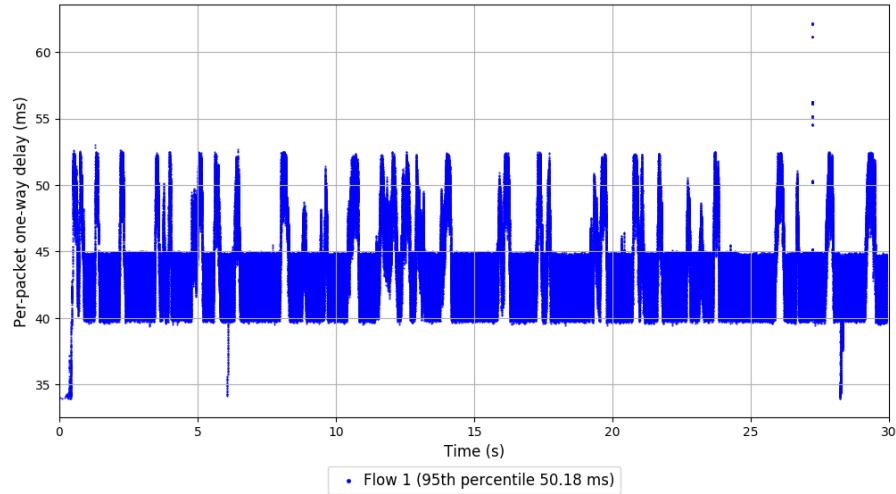
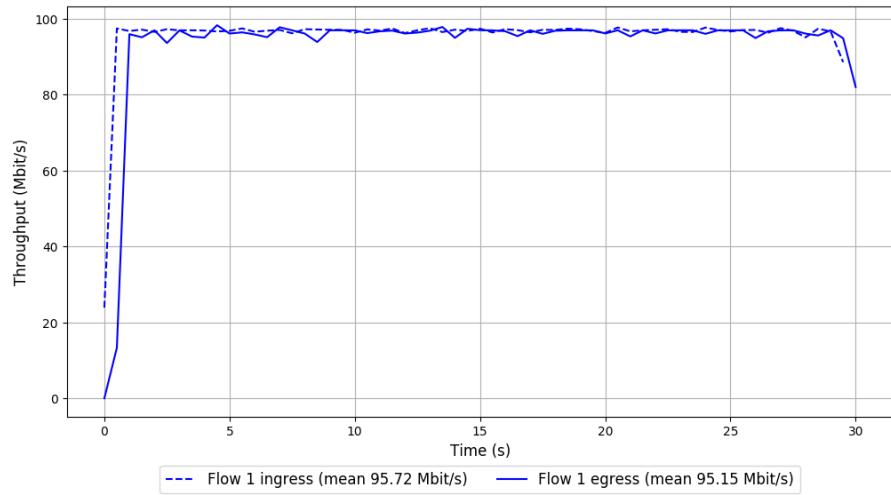


Run 2: Statistics of FillP

```
Start at: 2018-06-30 06:57:09
End at: 2018-06-30 06:57:39
Local clock offset: 0.746 ms
Remote clock offset: 4.531 ms

# Below is generated by plot.py at 2018-06-30 10:41:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 50.181 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 50.181 ms
Loss rate: 0.83%
```

Run 2: Report of FillP — Data Link

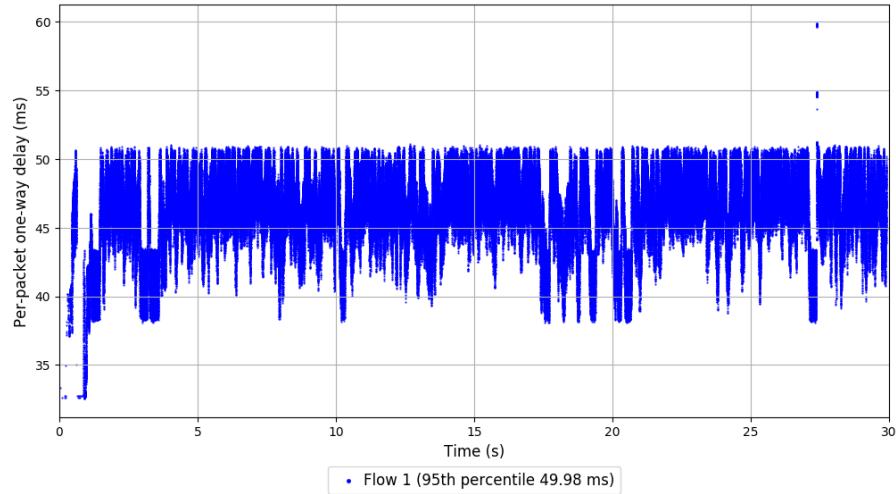
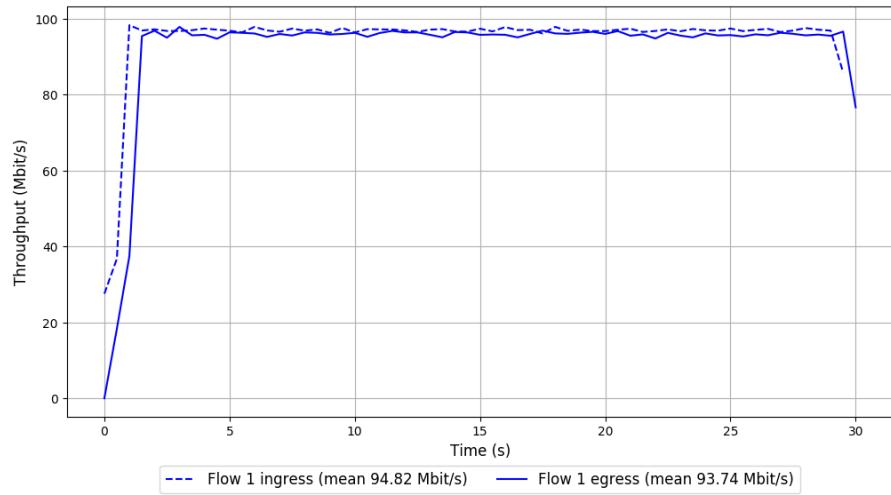


Run 3: Statistics of FillP

```
Start at: 2018-06-30 07:22:32
End at: 2018-06-30 07:23:02
Local clock offset: 1.074 ms
Remote clock offset: 4.847 ms

# Below is generated by plot.py at 2018-06-30 10:41:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 49.977 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 49.977 ms
Loss rate: 1.39%
```

Run 3: Report of FillP — Data Link

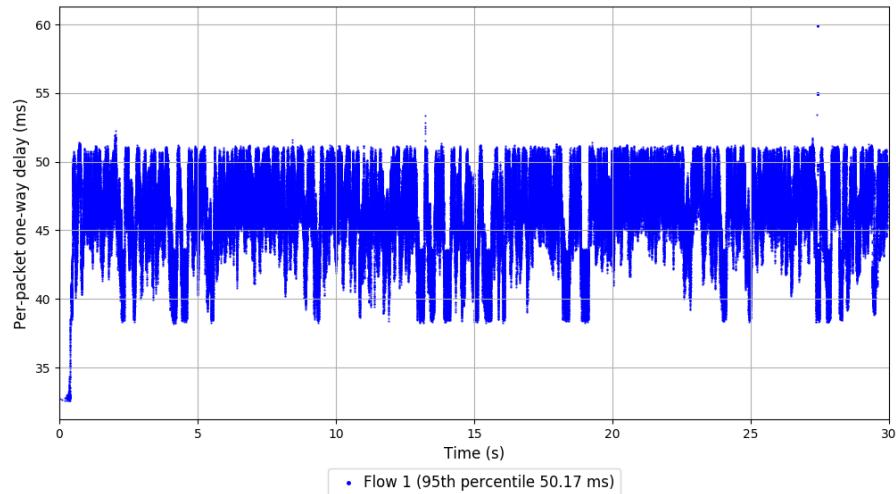
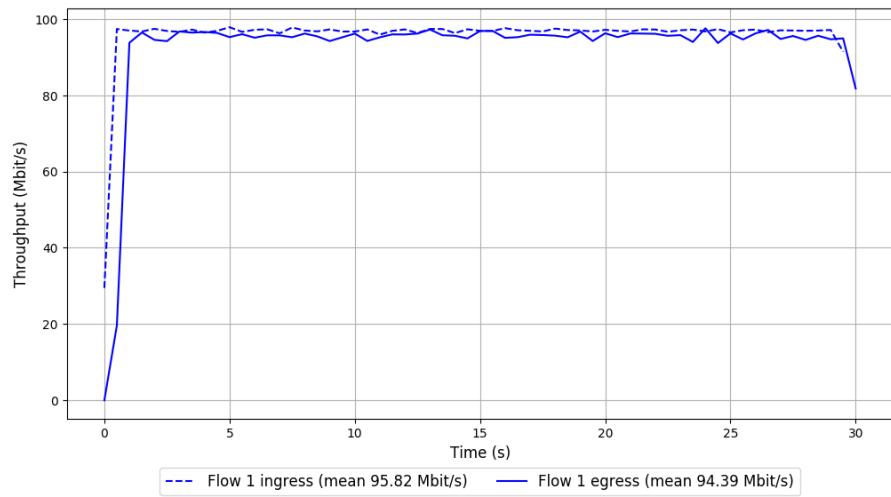


Run 4: Statistics of FillP

```
Start at: 2018-06-30 07:48:27
End at: 2018-06-30 07:48:57
Local clock offset: 1.22 ms
Remote clock offset: 4.638 ms

# Below is generated by plot.py at 2018-06-30 10:41:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 50.169 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 50.169 ms
Loss rate: 1.73%
```

Run 4: Report of FillP — Data Link

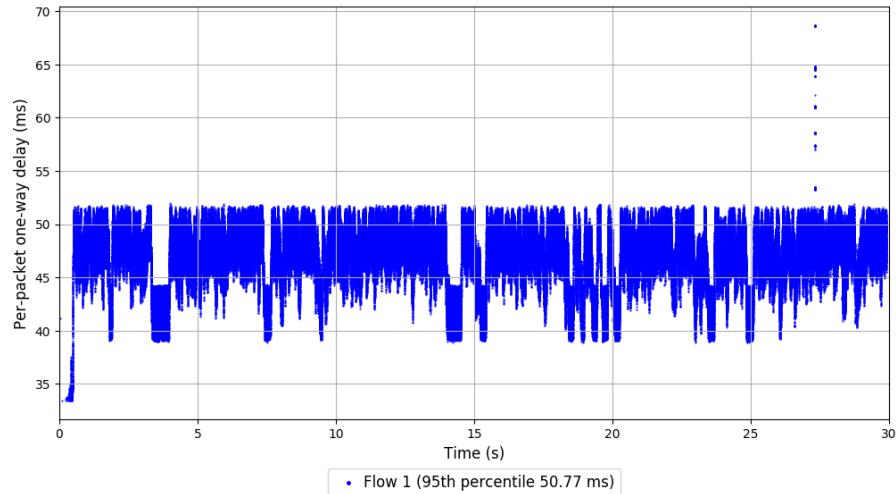
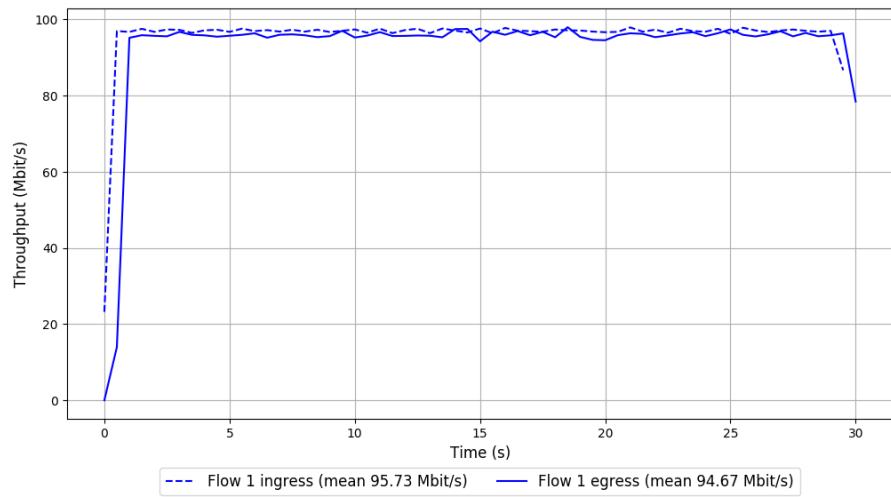


Run 5: Statistics of FillP

```
Start at: 2018-06-30 08:14:44
End at: 2018-06-30 08:15:14
Local clock offset: 1.088 ms
Remote clock offset: 1.296 ms

# Below is generated by plot.py at 2018-06-30 10:41:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 1.38%
```

Run 5: Report of FillP — Data Link

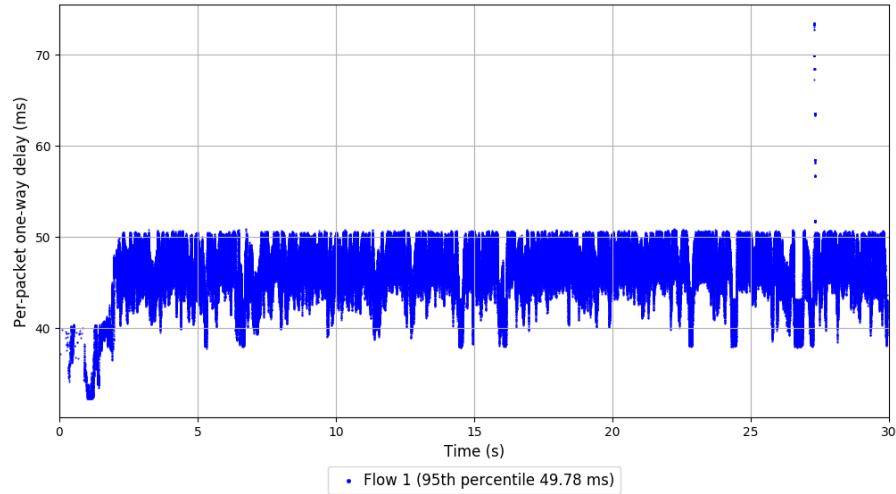
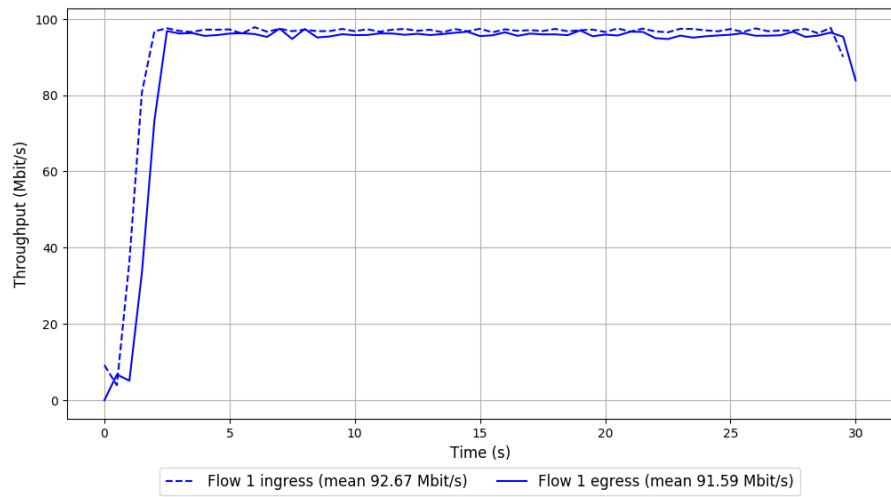


Run 6: Statistics of FillP

```
Start at: 2018-06-30 08:40:03
End at: 2018-06-30 08:40:33
Local clock offset: 0.748 ms
Remote clock offset: 0.868 ms

# Below is generated by plot.py at 2018-06-30 10:41:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 49.780 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 49.780 ms
Loss rate: 1.41%
```

Run 6: Report of FillP — Data Link

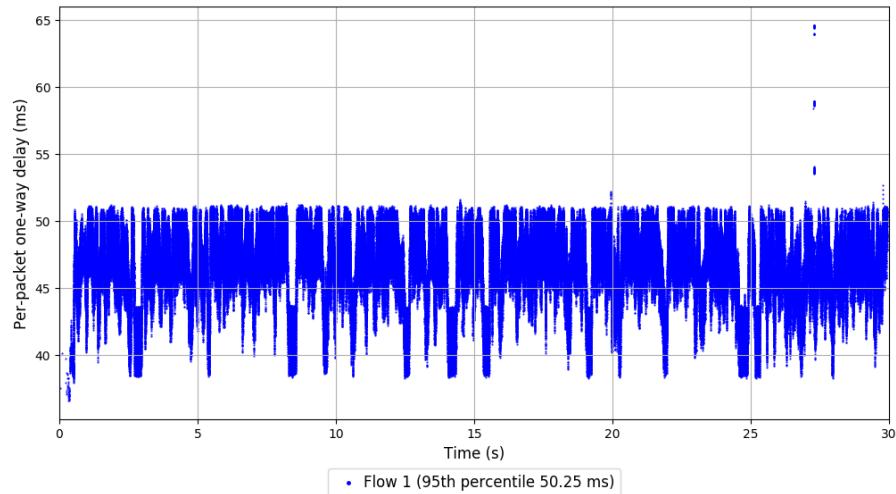
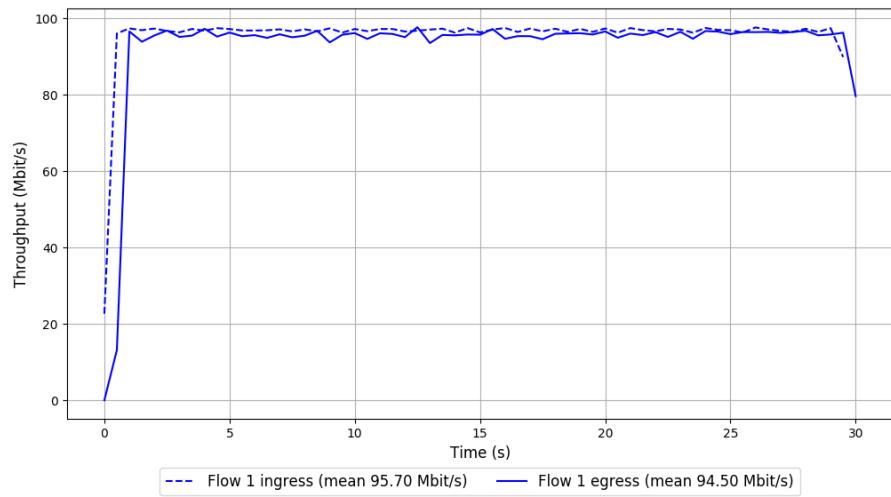


Run 7: Statistics of FillP

```
Start at: 2018-06-30 09:05:03
End at: 2018-06-30 09:05:33
Local clock offset: 0.339 ms
Remote clock offset: 1.559 ms

# Below is generated by plot.py at 2018-06-30 10:42:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 50.253 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 50.253 ms
Loss rate: 1.51%
```

Run 7: Report of FillP — Data Link

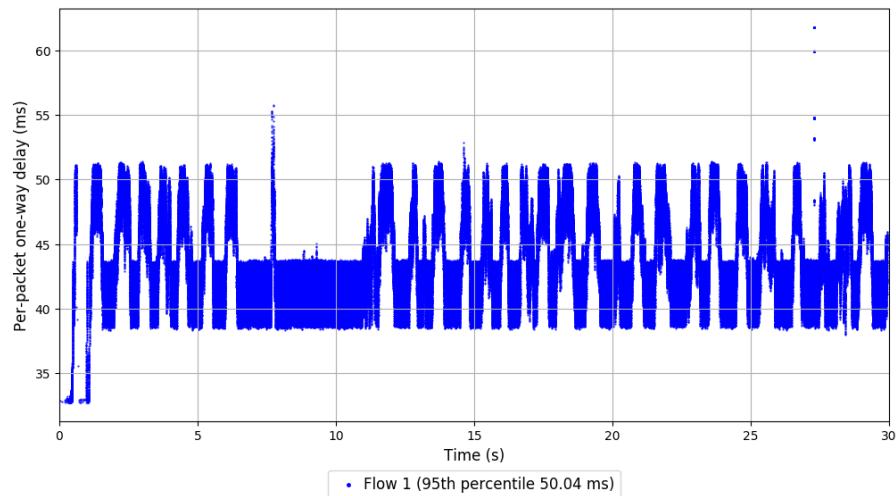
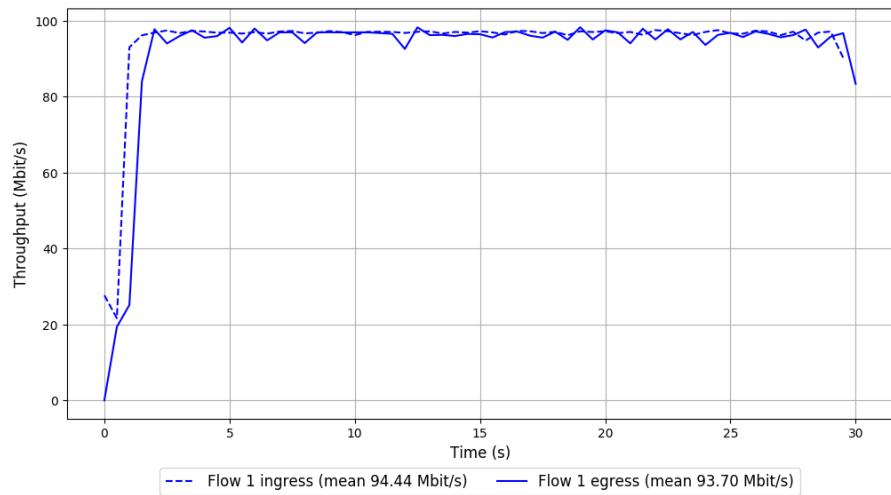


Run 8: Statistics of FillP

```
Start at: 2018-06-30 09:29:55
End at: 2018-06-30 09:30:25
Local clock offset: 0.315 ms
Remote clock offset: 3.037 ms

# Below is generated by plot.py at 2018-06-30 10:42:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 50.039 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 50.039 ms
Loss rate: 1.01%
```

Run 8: Report of FillP — Data Link

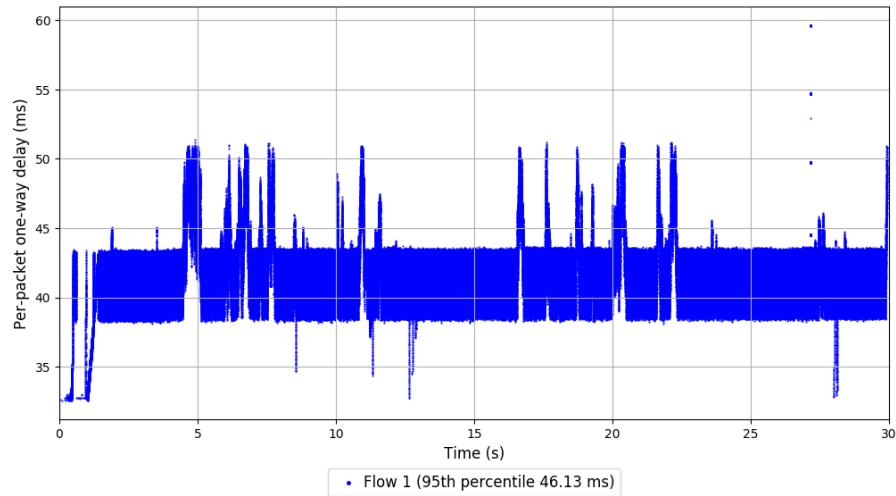
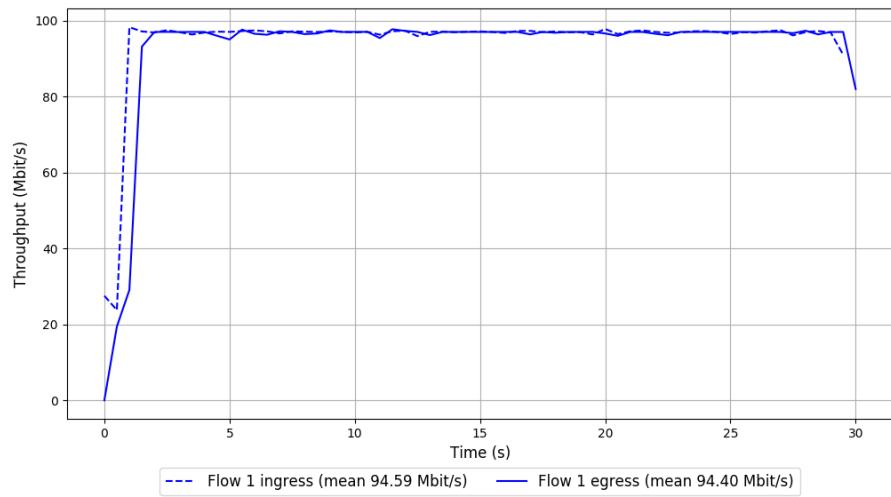


Run 9: Statistics of FillP

```
Start at: 2018-06-30 09:53:07
End at: 2018-06-30 09:53:37
Local clock offset: 0.186 ms
Remote clock offset: 5.462 ms

# Below is generated by plot.py at 2018-06-30 10:42:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 46.127 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 46.127 ms
Loss rate: 0.45%
```

Run 9: Report of FillP — Data Link

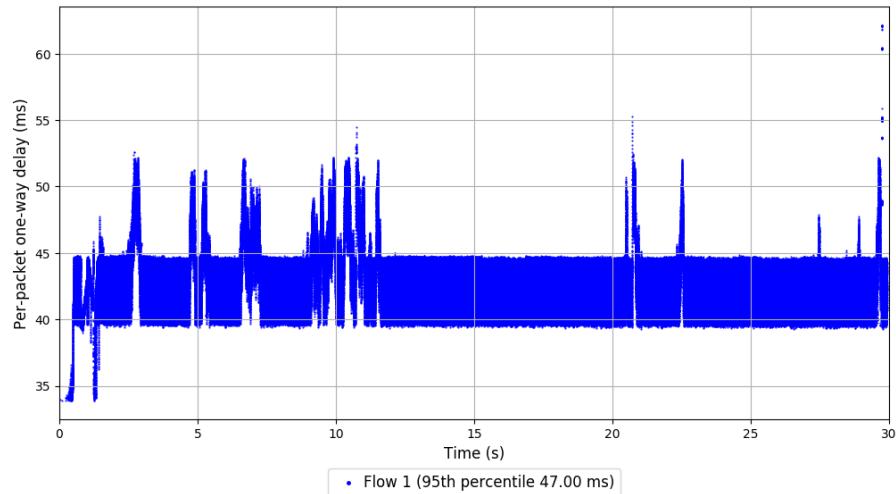
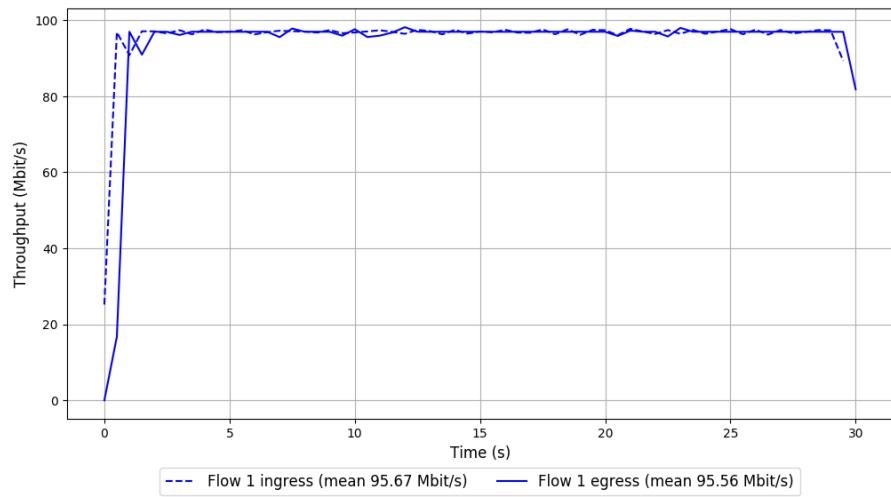


```
Run 10: Statistics of FillP
```

```
Start at: 2018-06-30 10:16:03
End at: 2018-06-30 10:16:33
Local clock offset: 0.171 ms
Remote clock offset: 6.535 ms

# Below is generated by plot.py at 2018-06-30 10:42:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 46.999 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 46.999 ms
Loss rate: 0.35%
```

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

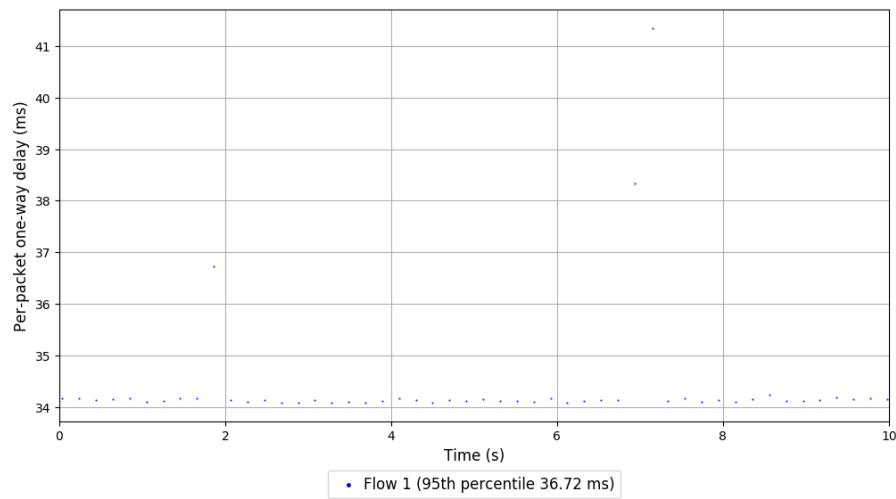
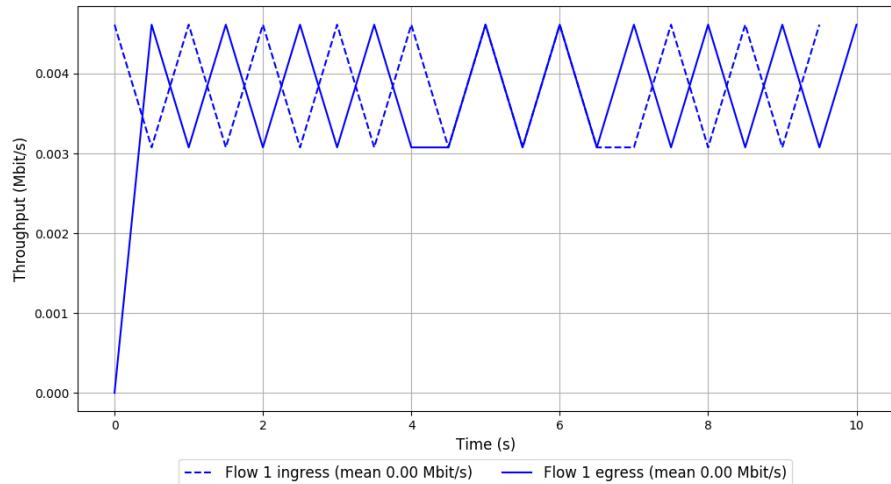
Start at: 2018-06-30 06:53:21

End at: 2018-06-30 06:53:51

Local clock offset: 0.68 ms

Remote clock offset: 4.677 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

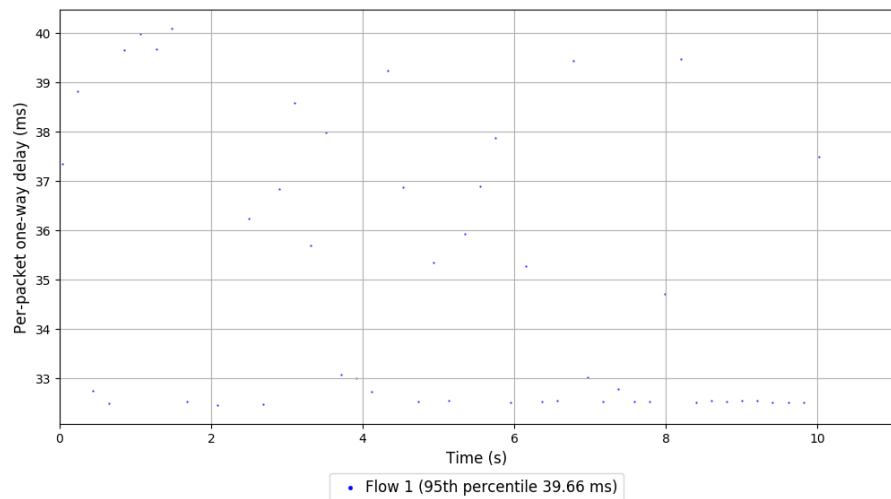
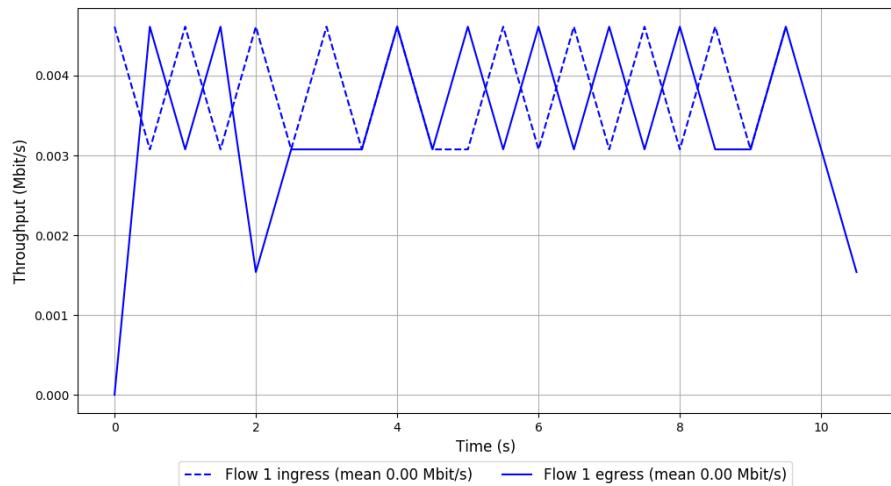
Start at: 2018-06-30 07:18:43

End at: 2018-06-30 07:19:13

Local clock offset: 0.945 ms

Remote clock offset: 4.672 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

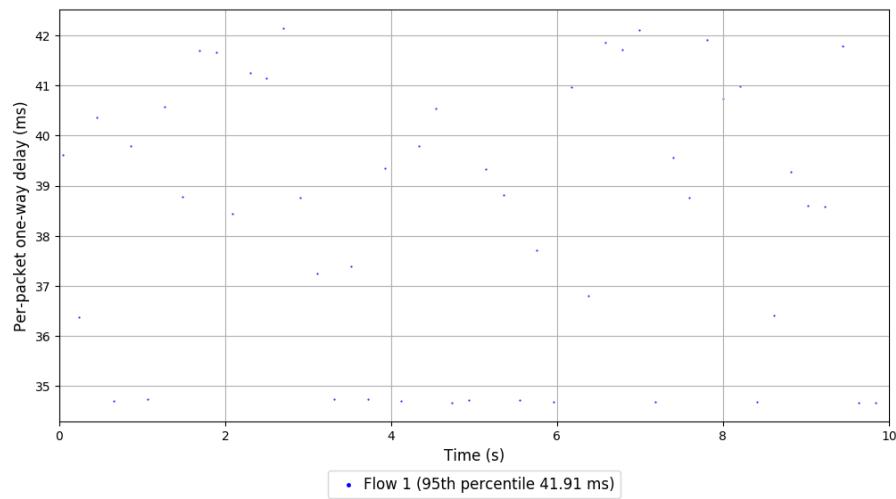
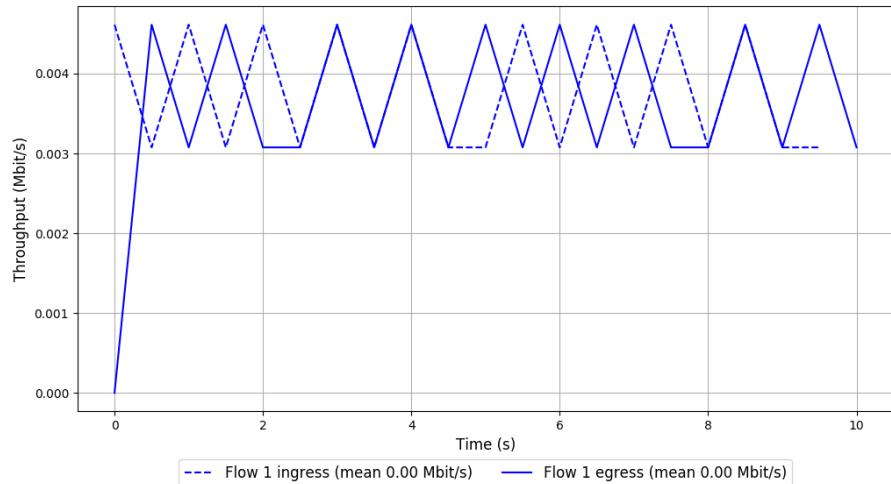
Start at: 2018-06-30 07:44:36

End at: 2018-06-30 07:45:06

Local clock offset: 1.279 ms

Remote clock offset: 4.019 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

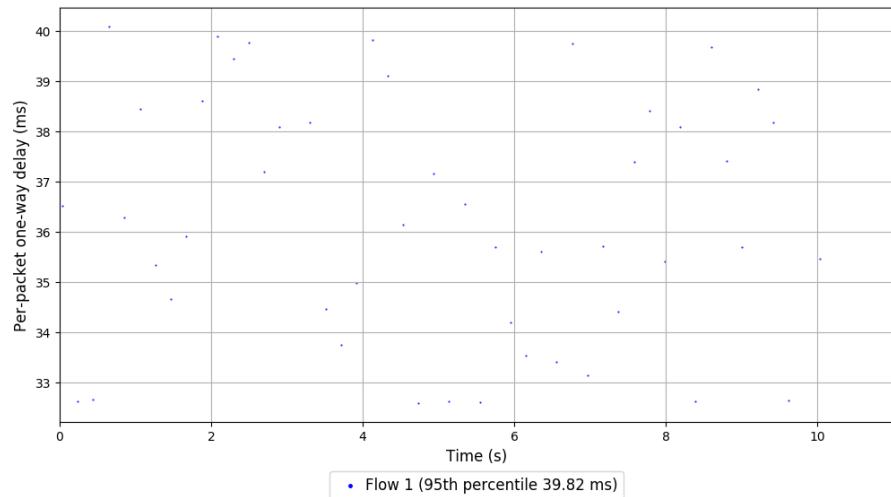
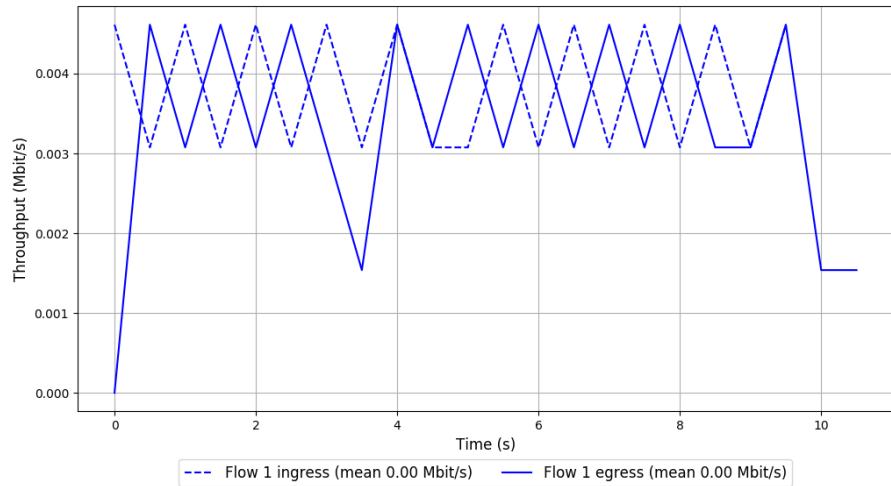
Start at: 2018-06-30 08:10:55

End at: 2018-06-30 08:11:25

Local clock offset: 1.102 ms

Remote clock offset: 1.257 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

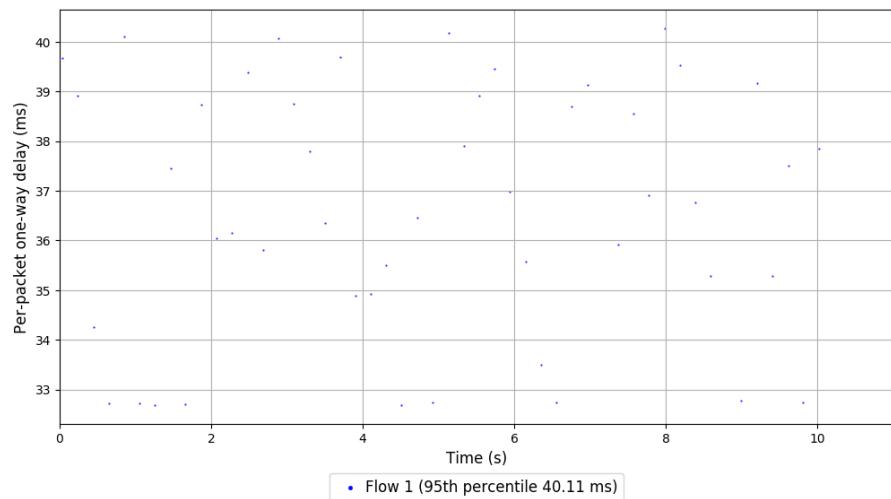
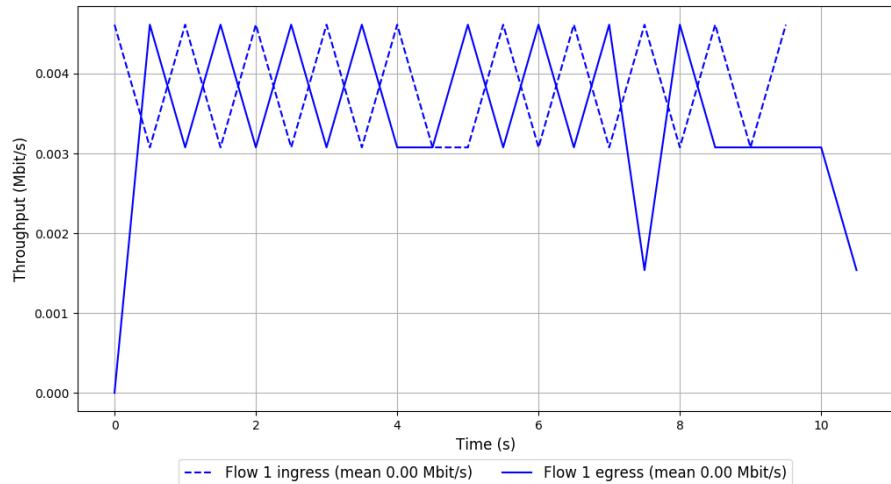
Start at: 2018-06-30 08:36:14

End at: 2018-06-30 08:36:44

Local clock offset: 0.798 ms

Remote clock offset: 0.209 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

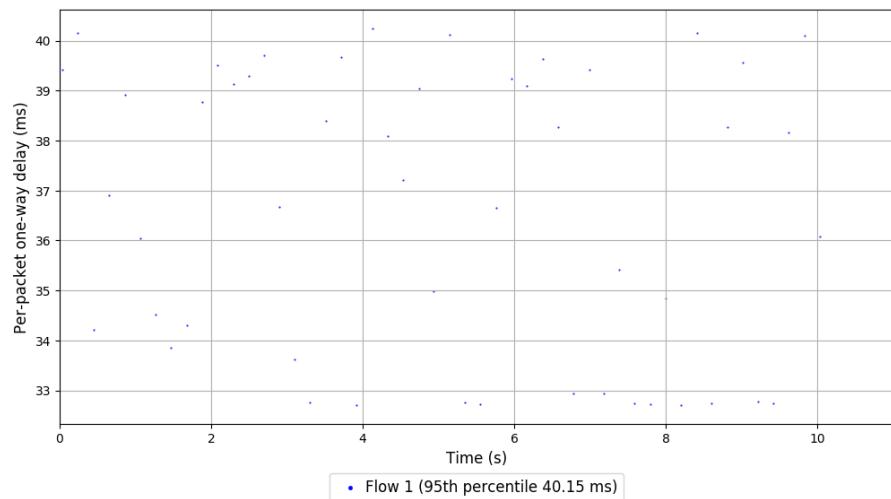
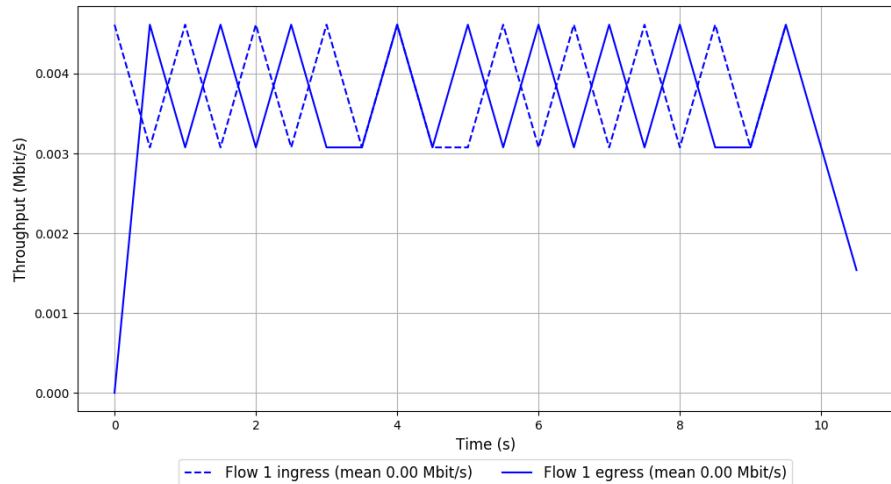
Start at: 2018-06-30 09:01:15

End at: 2018-06-30 09:01:45

Local clock offset: 0.37 ms

Remote clock offset: 1.432 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

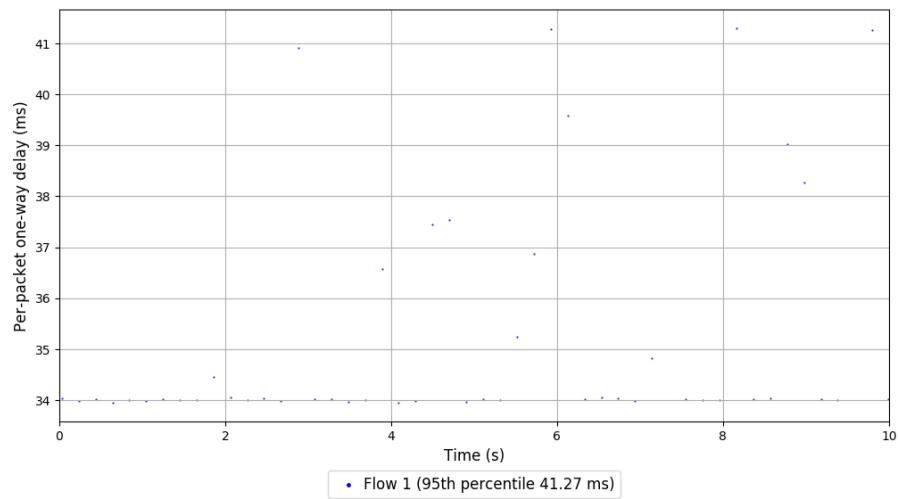
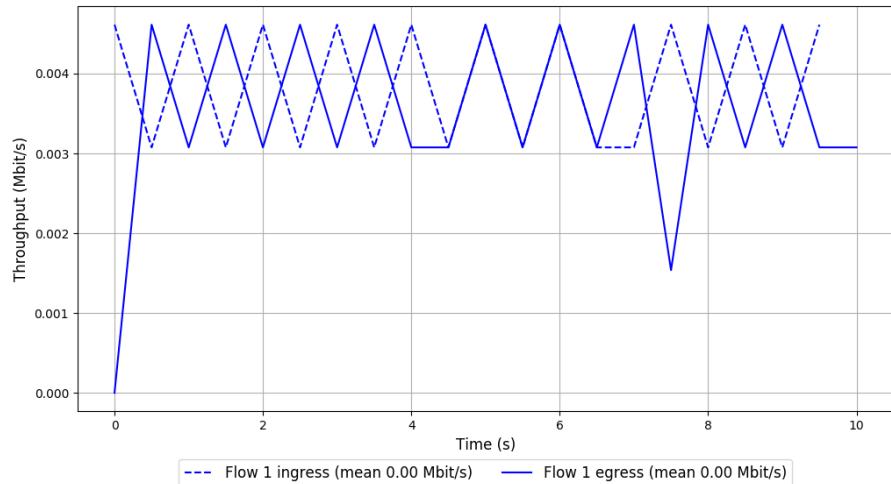
Start at: 2018-06-30 09:26:04

End at: 2018-06-30 09:26:34

Local clock offset: 0.219 ms

Remote clock offset: 2.688 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

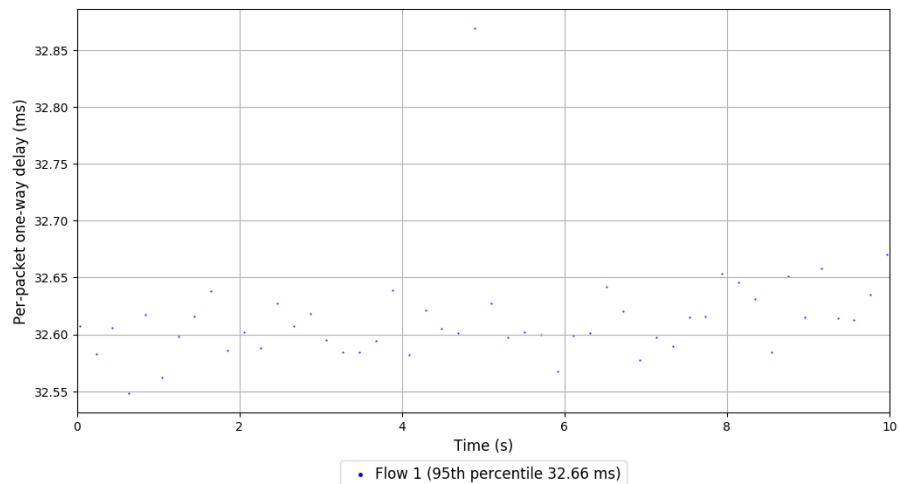
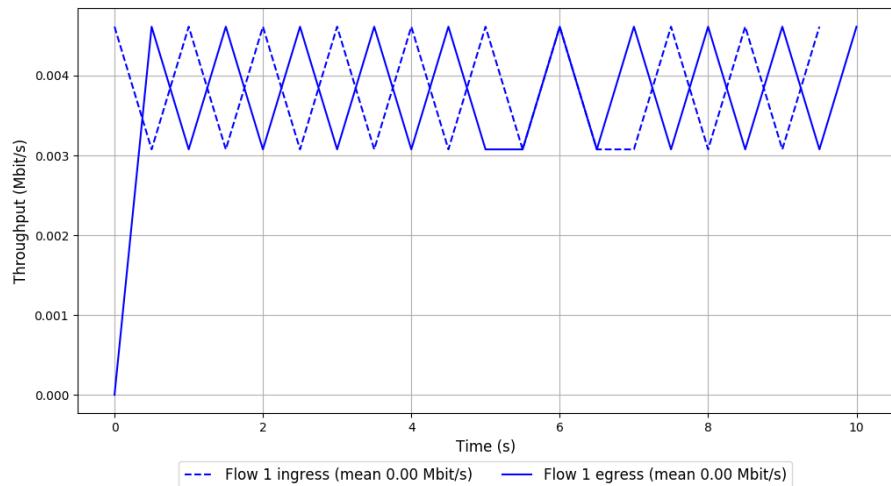
Start at: 2018-06-30 09:49:13

End at: 2018-06-30 09:49:43

Local clock offset: 0.17 ms

Remote clock offset: 5.011 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

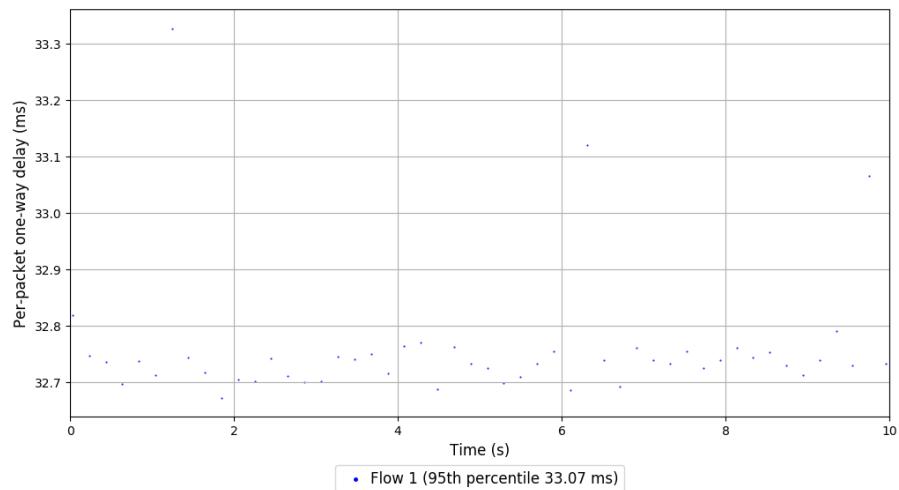
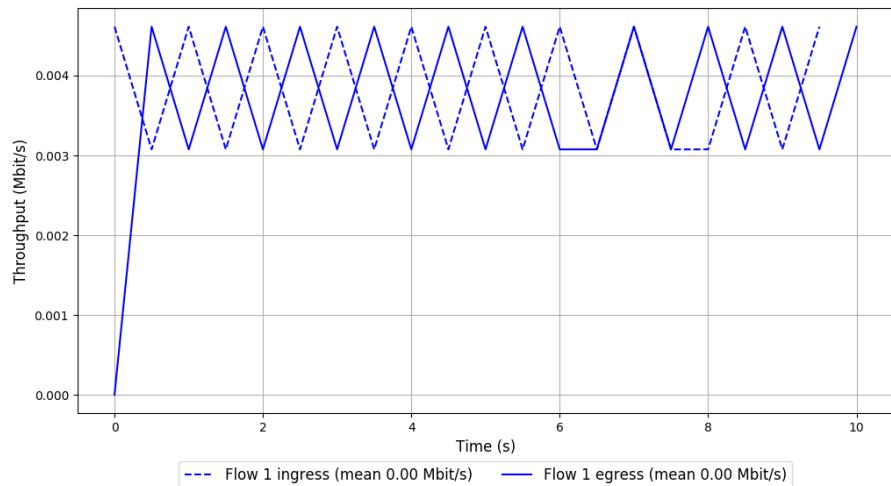
Start at: 2018-06-30 10:12:08

End at: 2018-06-30 10:12:38

Local clock offset: 0.248 ms

Remote clock offset: 7.369 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

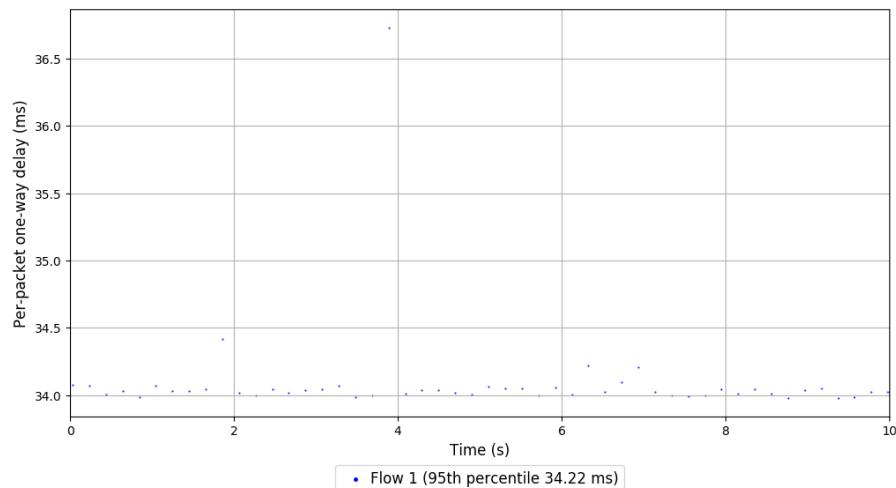
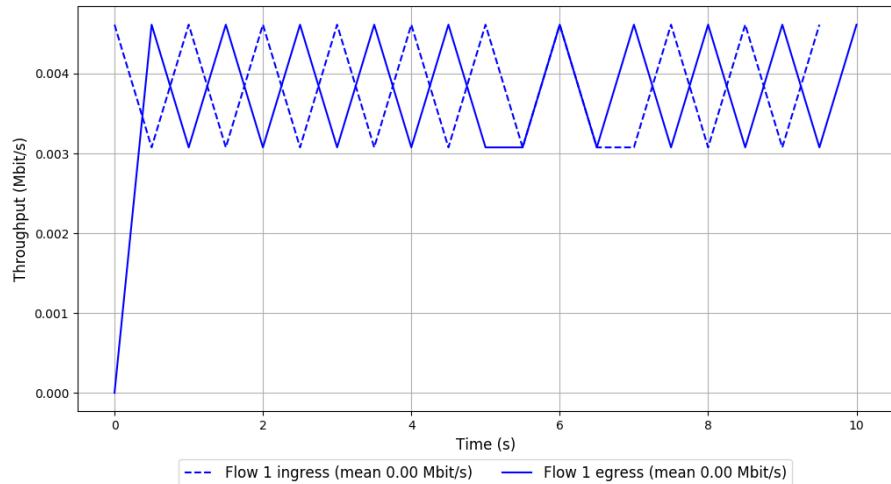
Start at: 2018-06-30 10:34:52

End at: 2018-06-30 10:35:22

Local clock offset: 0.315 ms

Remote clock offset: 4.542 ms

Run 10: Report of FillP-Sheep — Data Link

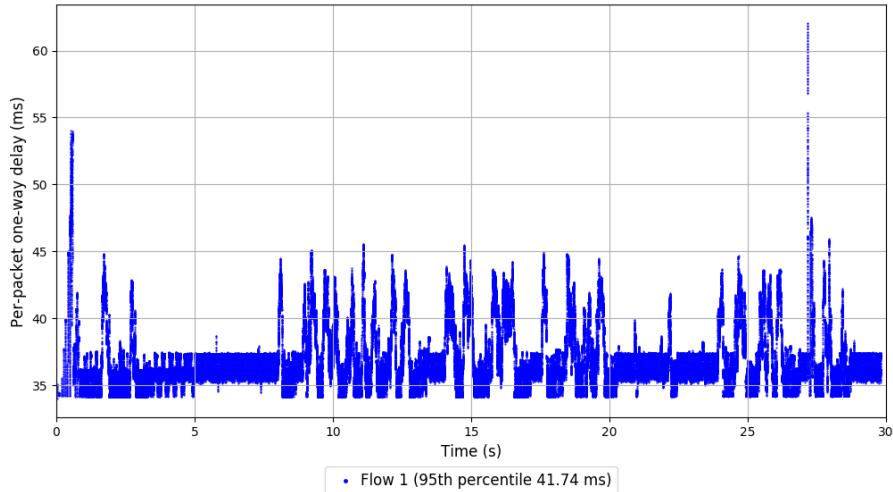
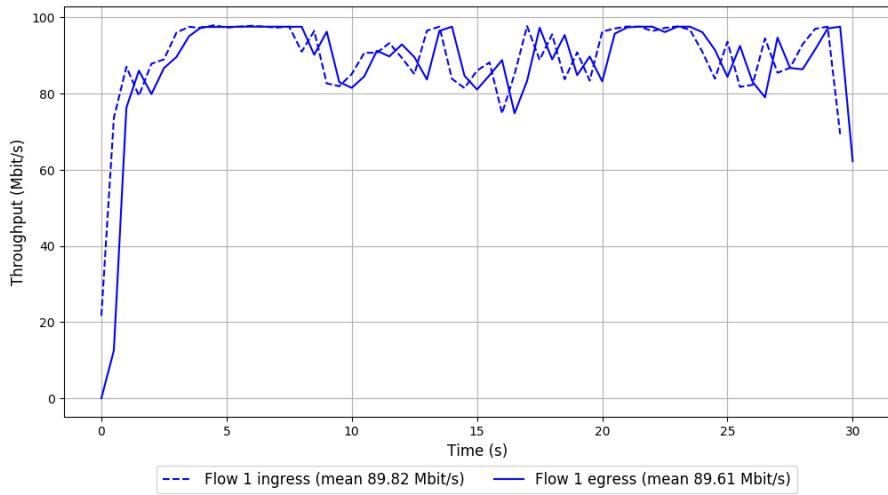


Run 1: Statistics of Indigo

```
Start at: 2018-06-30 06:42:48
End at: 2018-06-30 06:43:18
Local clock offset: 0.243 ms
Remote clock offset: 4.86 ms

# Below is generated by plot.py at 2018-06-30 10:42:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 41.742 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 41.742 ms
Loss rate: 0.47%
```

Run 1: Report of Indigo — Data Link

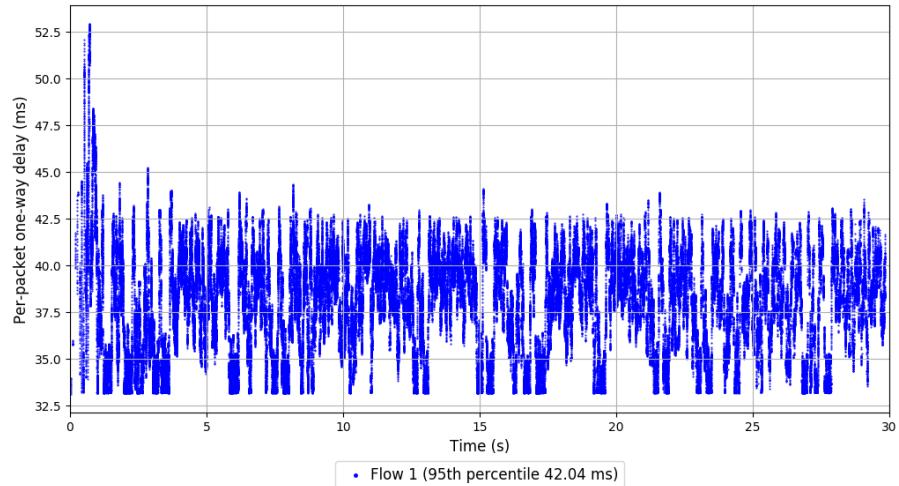
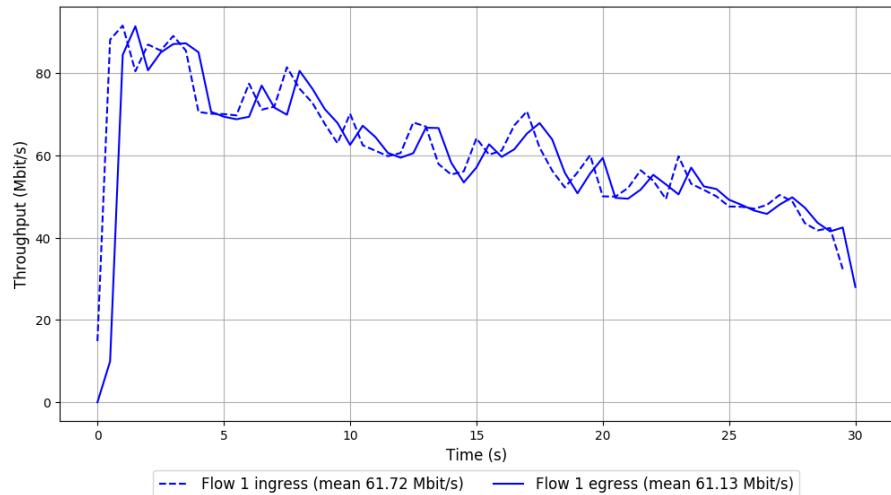


Run 2: Statistics of Indigo

```
Start at: 2018-06-30 07:06:36
End at: 2018-06-30 07:07:06
Local clock offset: 0.81 ms
Remote clock offset: 3.963 ms

# Below is generated by plot.py at 2018-06-30 10:42:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 42.037 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 42.037 ms
Loss rate: 1.19%
```

Run 2: Report of Indigo — Data Link

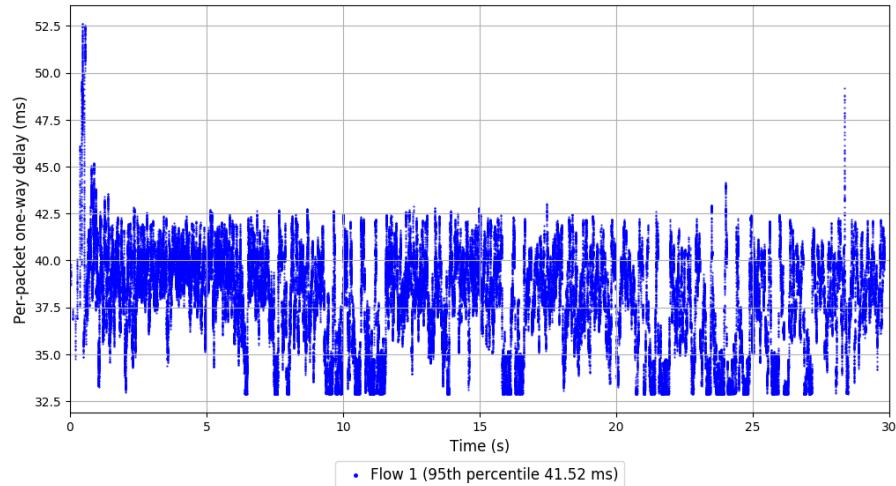
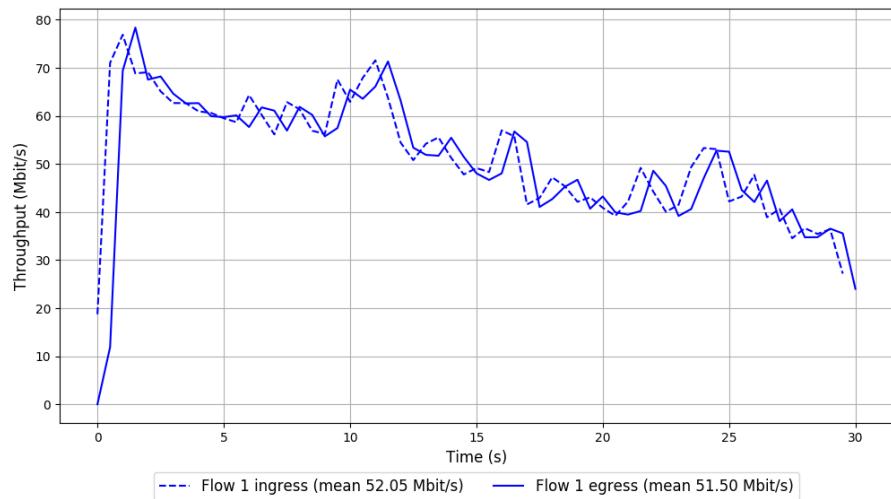


Run 3: Statistics of Indigo

```
Start at: 2018-06-30 07:31:40
End at: 2018-06-30 07:32:10
Local clock offset: 1.227 ms
Remote clock offset: 4.365 ms

# Below is generated by plot.py at 2018-06-30 10:42:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 41.525 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 41.525 ms
Loss rate: 1.31%
```

Run 3: Report of Indigo — Data Link

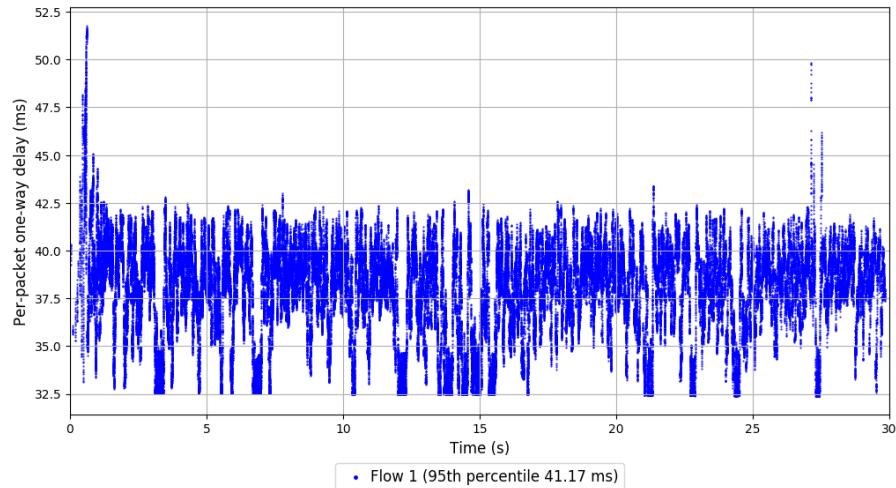
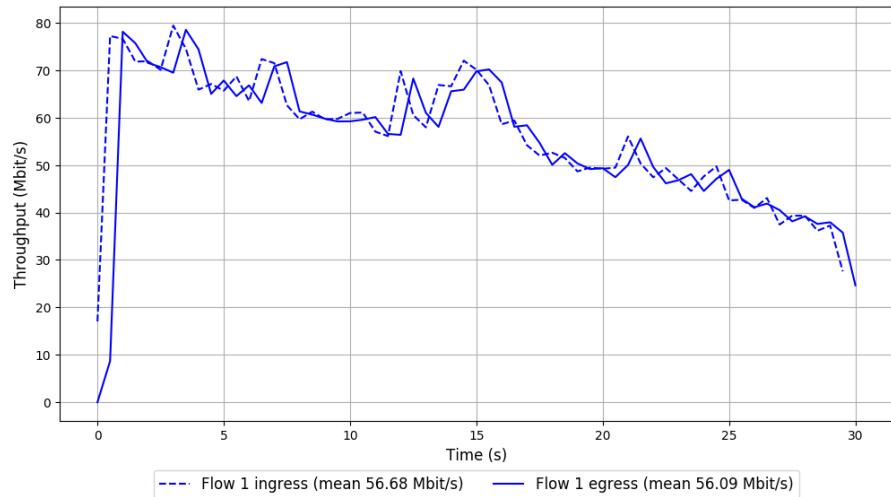


Run 4: Statistics of Indigo

```
Start at: 2018-06-30 07:57:47
End at: 2018-06-30 07:58:17
Local clock offset: 1.067 ms
Remote clock offset: 4.267 ms

# Below is generated by plot.py at 2018-06-30 10:42:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 41.175 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 41.175 ms
Loss rate: 1.28%
```

Run 4: Report of Indigo — Data Link

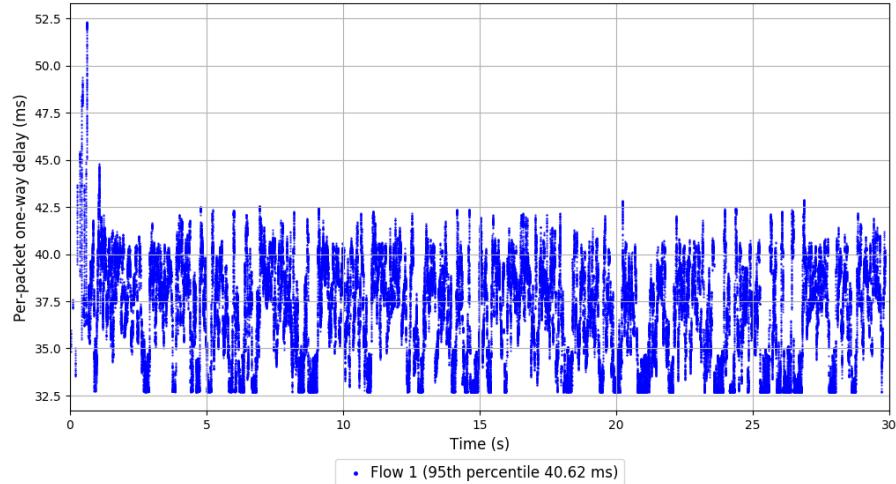
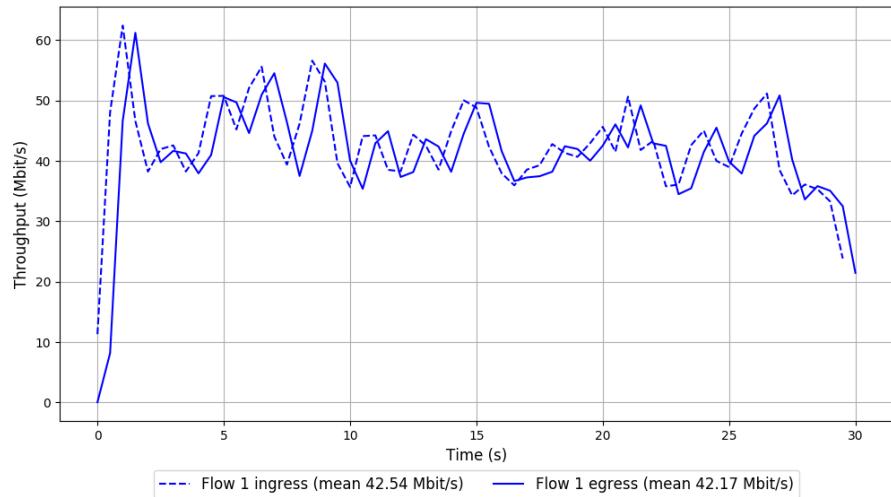


Run 5: Statistics of Indigo

```
Start at: 2018-06-30 08:23:43
End at: 2018-06-30 08:24:13
Local clock offset: 0.822 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-06-30 10:42:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.17 Mbit/s
95th percentile per-packet one-way delay: 40.623 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 42.17 Mbit/s
95th percentile per-packet one-way delay: 40.623 ms
Loss rate: 1.12%
```

Run 5: Report of Indigo — Data Link

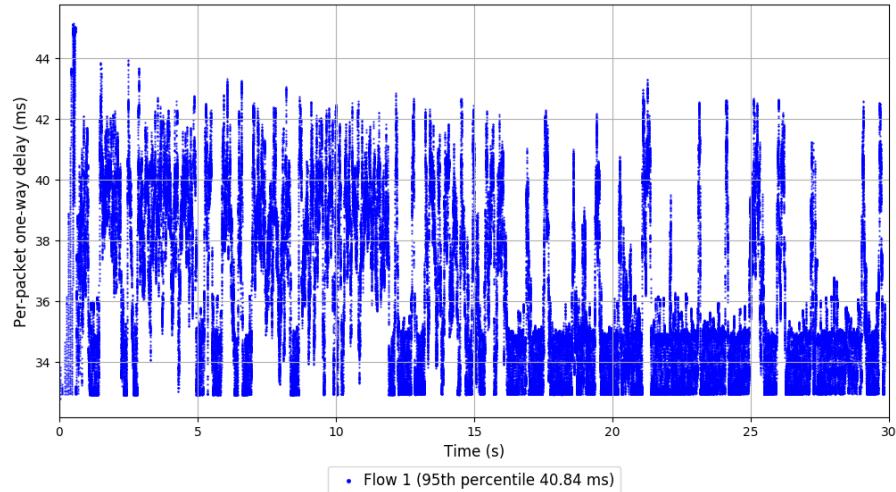
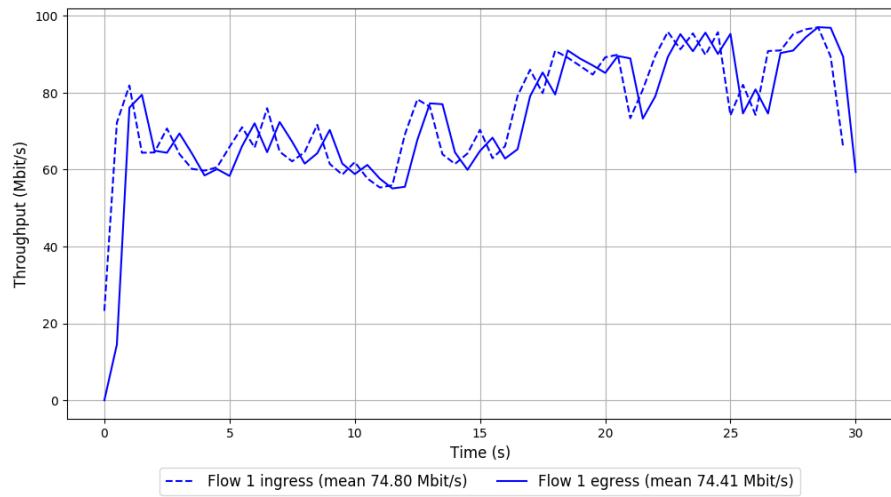


Run 6: Statistics of Indigo

```
Start at: 2018-06-30 08:49:01
End at: 2018-06-30 08:49:31
Local clock offset: 0.621 ms
Remote clock offset: 0.906 ms

# Below is generated by plot.py at 2018-06-30 10:43:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 40.843 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 40.843 ms
Loss rate: 0.75%
```

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-30 09:14:23

End at: 2018-06-30 09:14:53

Local clock offset: 0.234 ms

Remote clock offset: 1.857 ms

Below is generated by plot.py at 2018-06-30 10:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.17 Mbit/s

95th percentile per-packet one-way delay: 42.904 ms

Loss rate: 1.15%

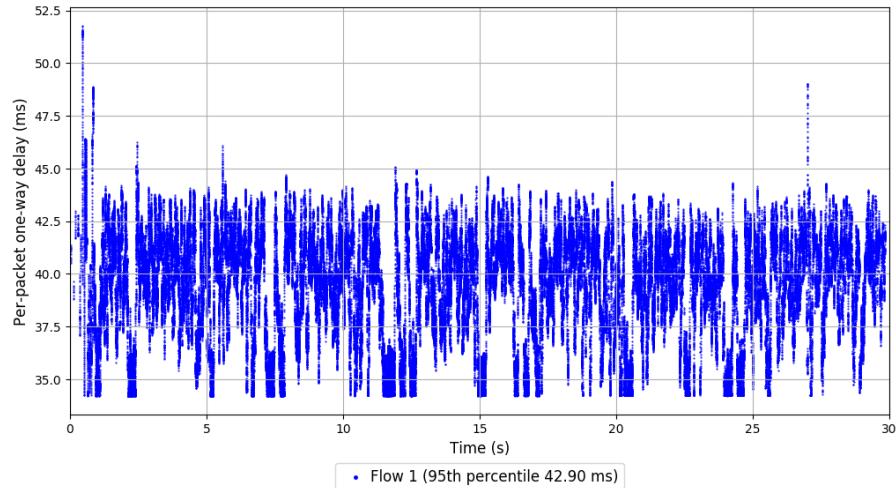
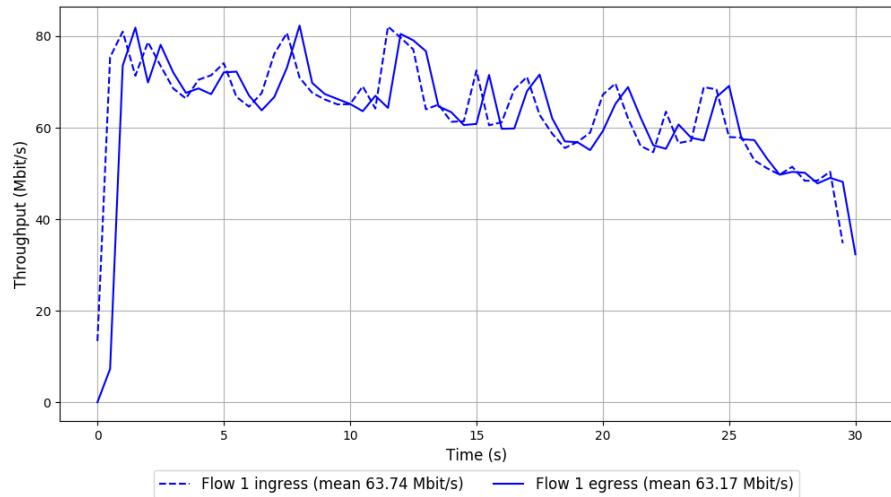
-- Flow 1:

Average throughput: 63.17 Mbit/s

95th percentile per-packet one-way delay: 42.904 ms

Loss rate: 1.15%

Run 7: Report of Indigo — Data Link

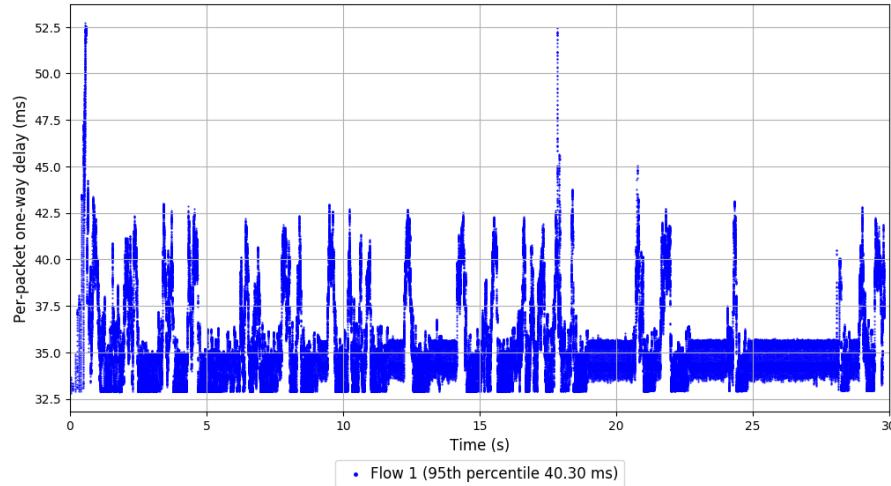
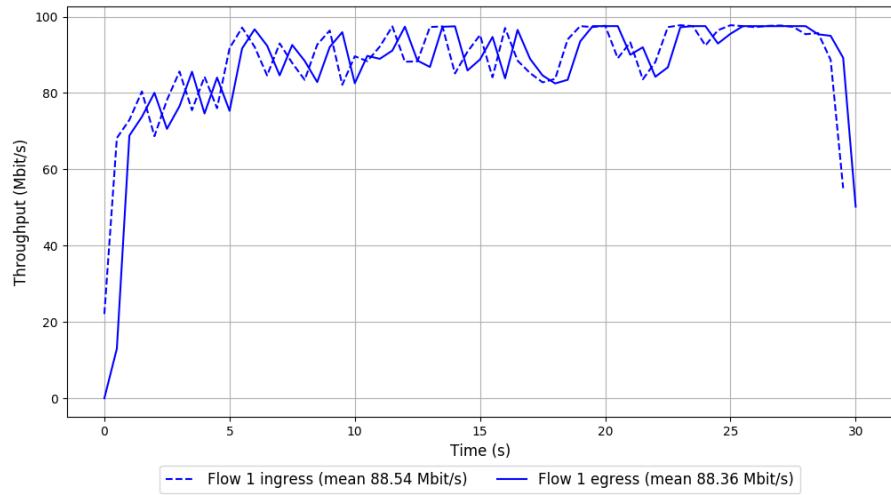


Run 8: Statistics of Indigo

```
Start at: 2018-06-30 09:38:23
End at: 2018-06-30 09:38:53
Local clock offset: 0.279 ms
Remote clock offset: 3.87 ms

# Below is generated by plot.py at 2018-06-30 10:43:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.36 Mbit/s
95th percentile per-packet one-way delay: 40.301 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 88.36 Mbit/s
95th percentile per-packet one-way delay: 40.301 ms
Loss rate: 0.43%
```

Run 8: Report of Indigo — Data Link

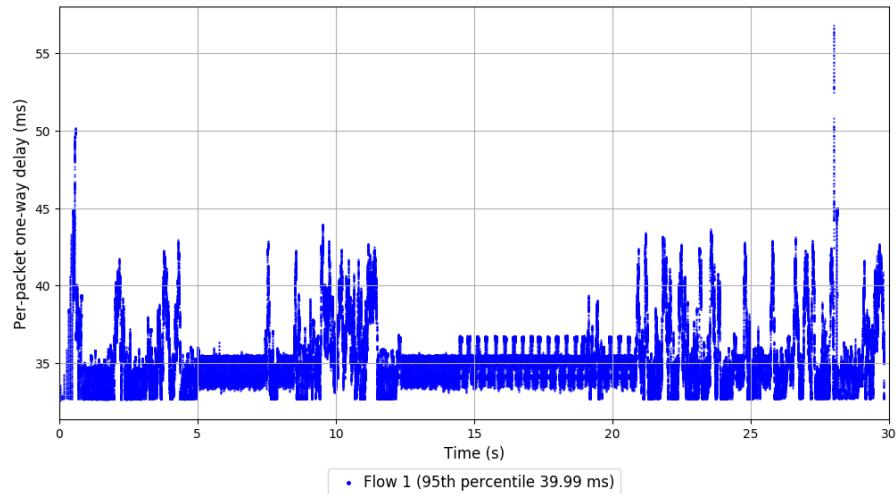
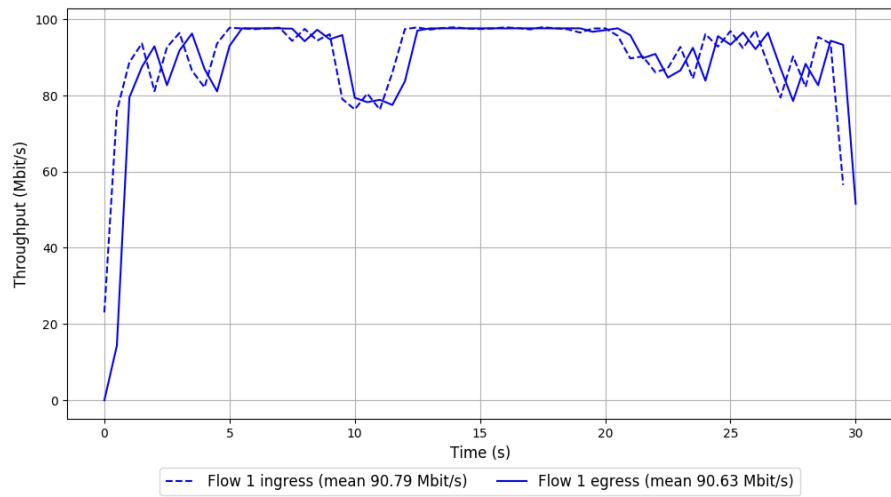


Run 9: Statistics of Indigo

```
Start at: 2018-06-30 10:01:13
End at: 2018-06-30 10:01:43
Local clock offset: 0.174 ms
Remote clock offset: 6.347 ms

# Below is generated by plot.py at 2018-06-30 10:43:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 39.988 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 39.988 ms
Loss rate: 0.41%
```

Run 9: Report of Indigo — Data Link

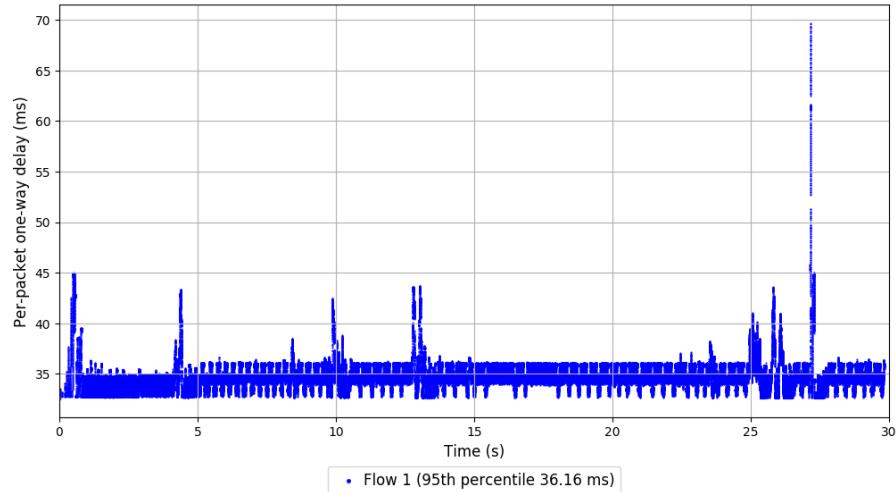
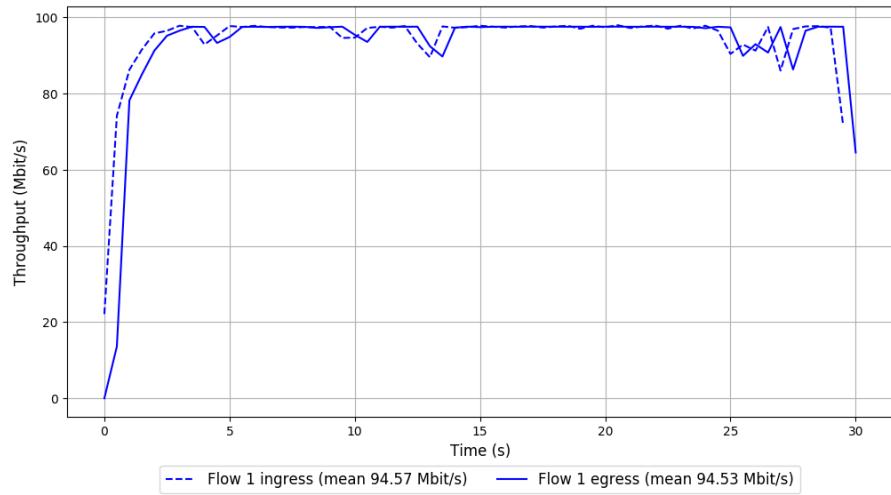


Run 10: Statistics of Indigo

```
Start at: 2018-06-30 10:24:09
End at: 2018-06-30 10:24:39
Local clock offset: 0.206 ms
Remote clock offset: 5.103 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 36.159 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 36.159 ms
Loss rate: 0.26%
```

Run 10: Report of Indigo — Data Link

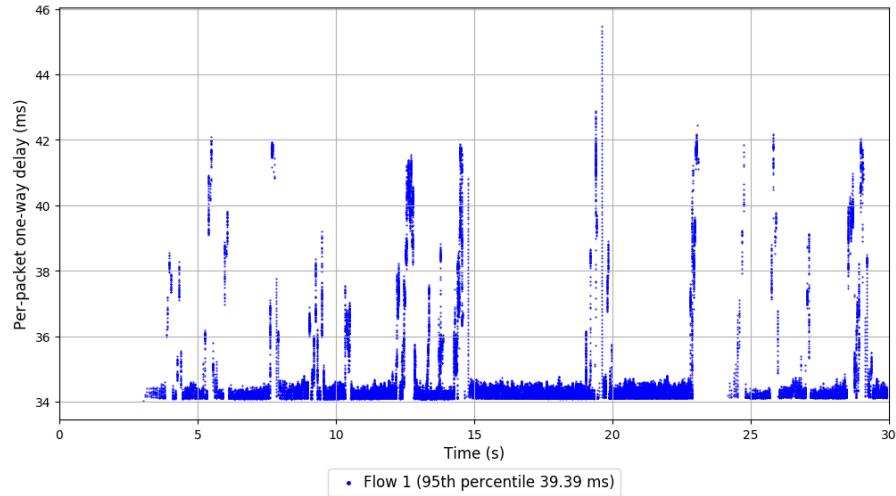
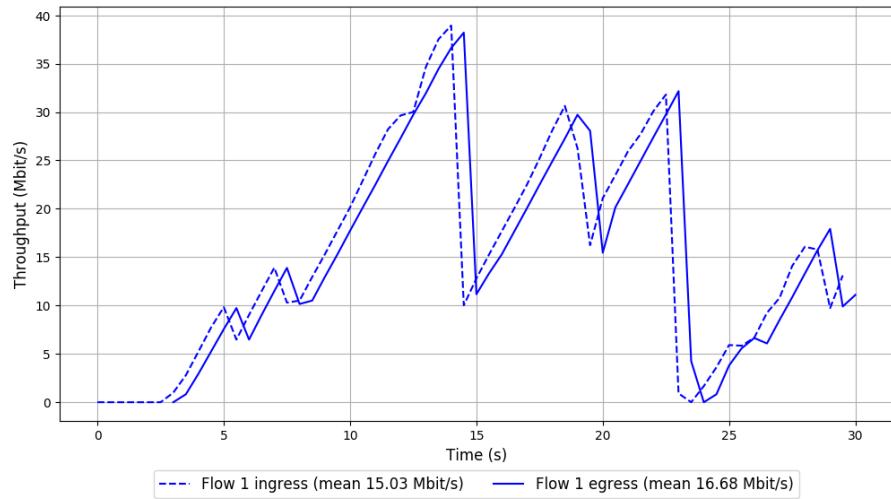


Run 1: Statistics of LEDBAT

```
Start at: 2018-06-30 06:33:35
End at: 2018-06-30 06:34:05
Local clock offset: 0.828 ms
Remote clock offset: 4.728 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 39.394 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 39.394 ms
Loss rate: 0.44%
```

Run 1: Report of LEDBAT — Data Link

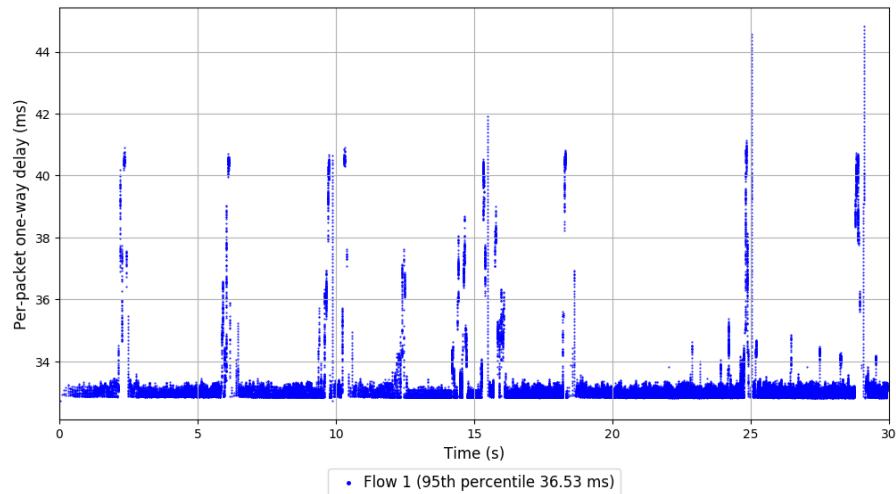
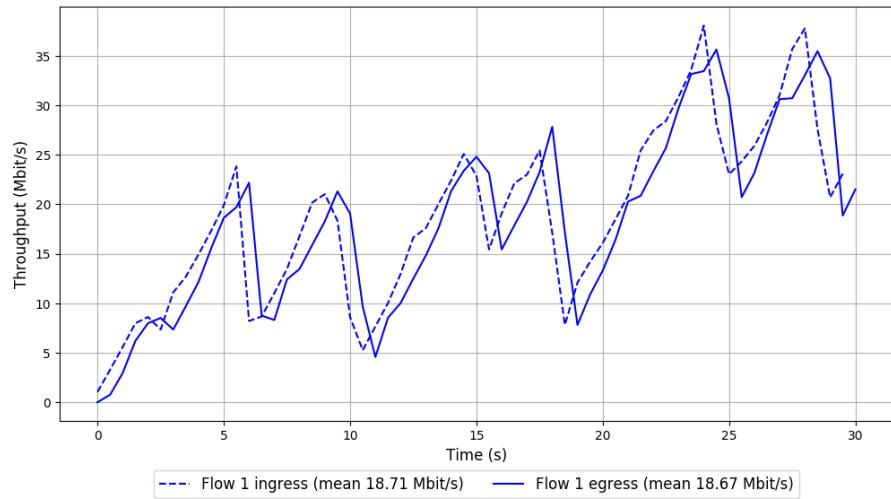


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-30 06:55:52
End at: 2018-06-30 06:56:22
Local clock offset: 0.741 ms
Remote clock offset: 4.534 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 36.530 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 36.530 ms
Loss rate: 0.46%
```

Run 2: Report of LEDBAT — Data Link

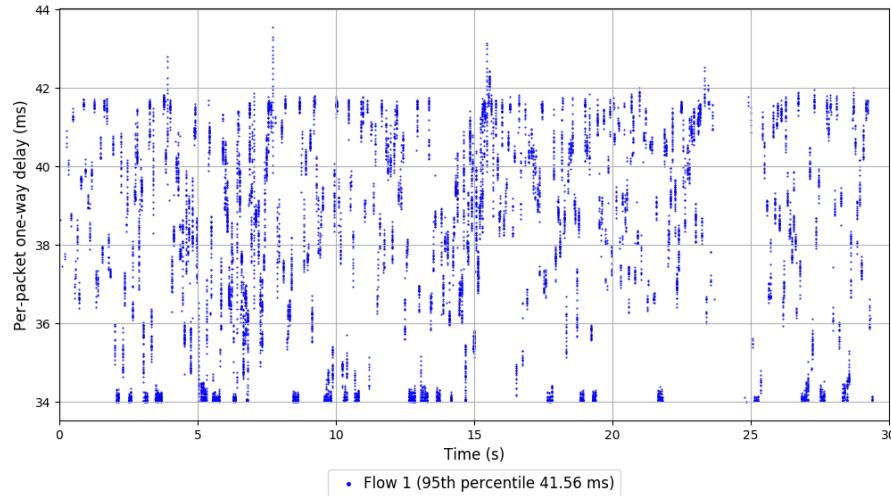
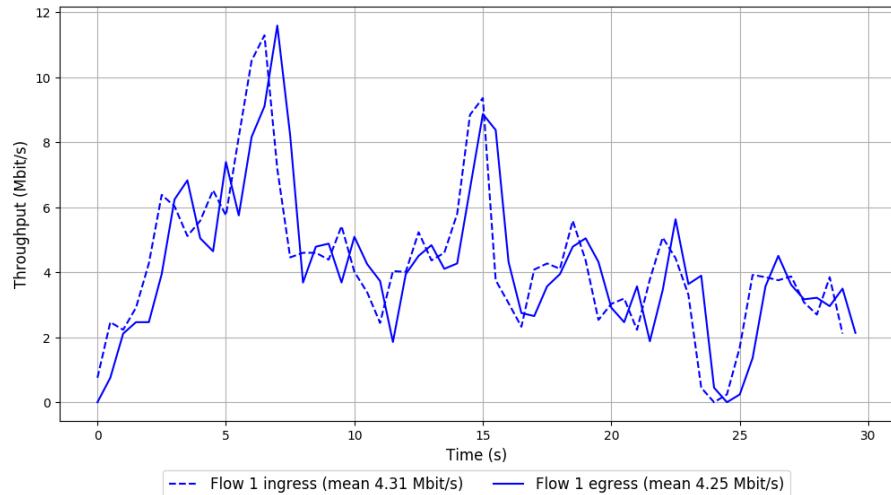


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-30 07:21:15
End at: 2018-06-30 07:21:45
Local clock offset: 1.027 ms
Remote clock offset: 4.745 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 41.563 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 41.563 ms
Loss rate: 1.45%
```

Run 3: Report of LEDBAT — Data Link

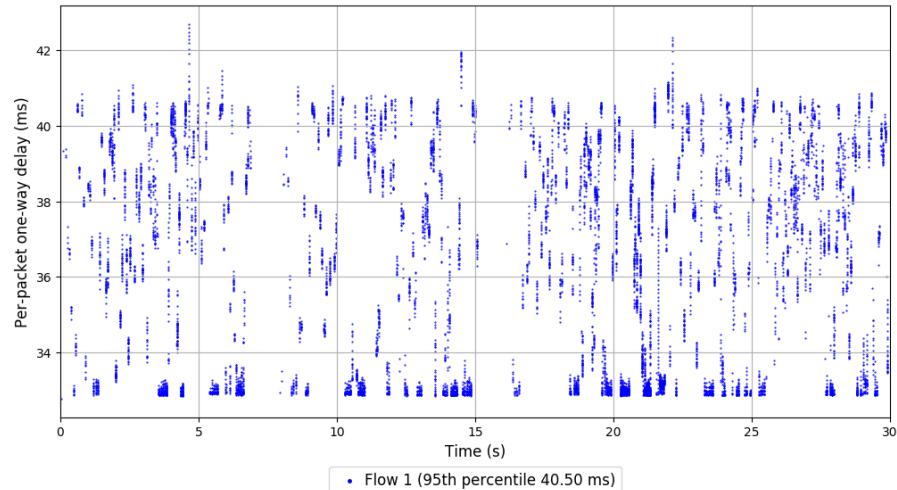
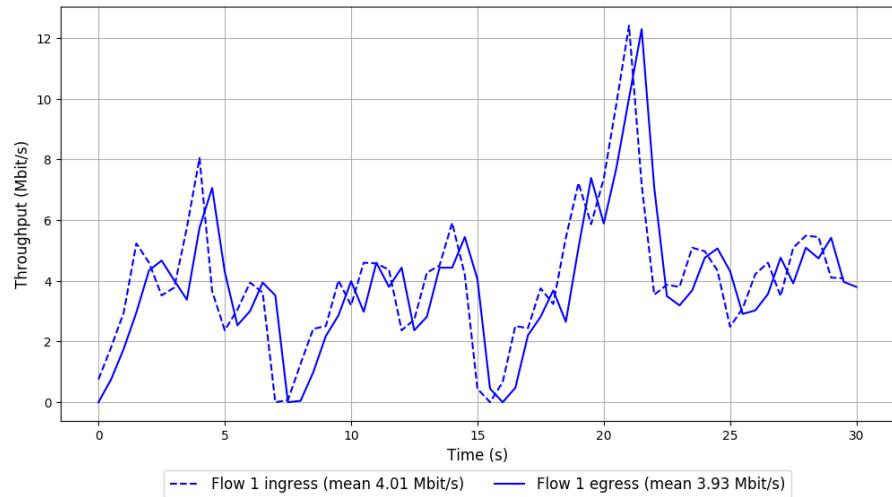


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-30 07:47:08
End at: 2018-06-30 07:47:38
Local clock offset: 1.247 ms
Remote clock offset: 4.631 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 40.498 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 40.498 ms
Loss rate: 2.20%
```

Run 4: Report of LEDBAT — Data Link

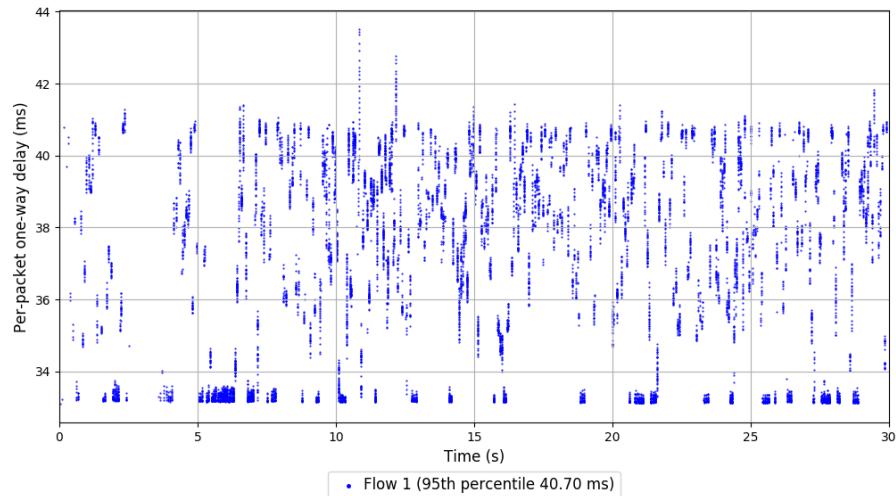
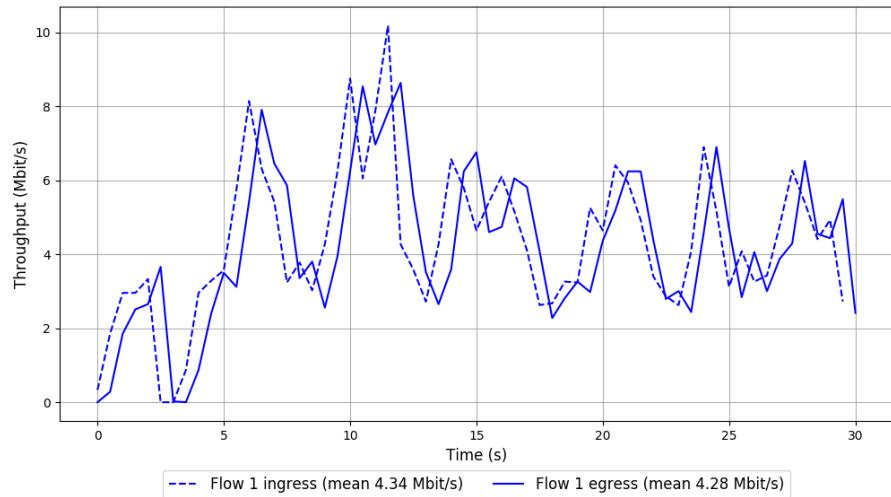


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-30 08:13:27
End at: 2018-06-30 08:13:57
Local clock offset: 1.087 ms
Remote clock offset: 0.506 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 40.697 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 40.697 ms
Loss rate: 1.73%
```

Run 5: Report of LEDBAT — Data Link

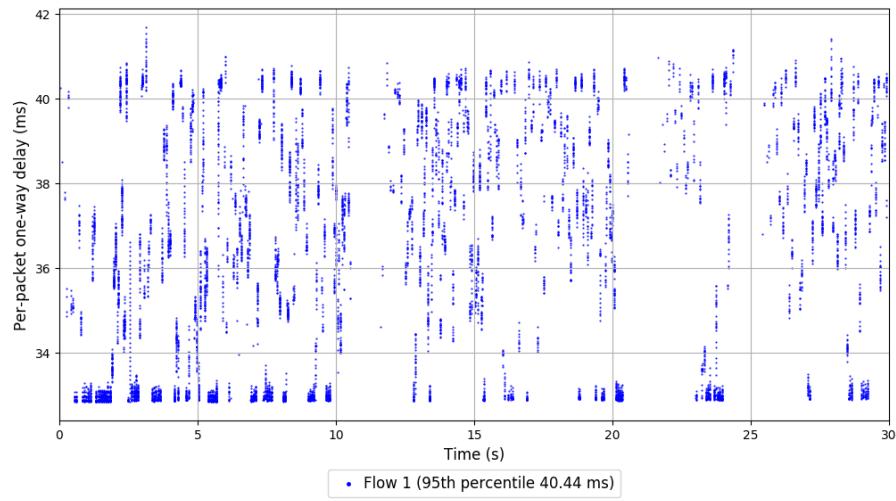
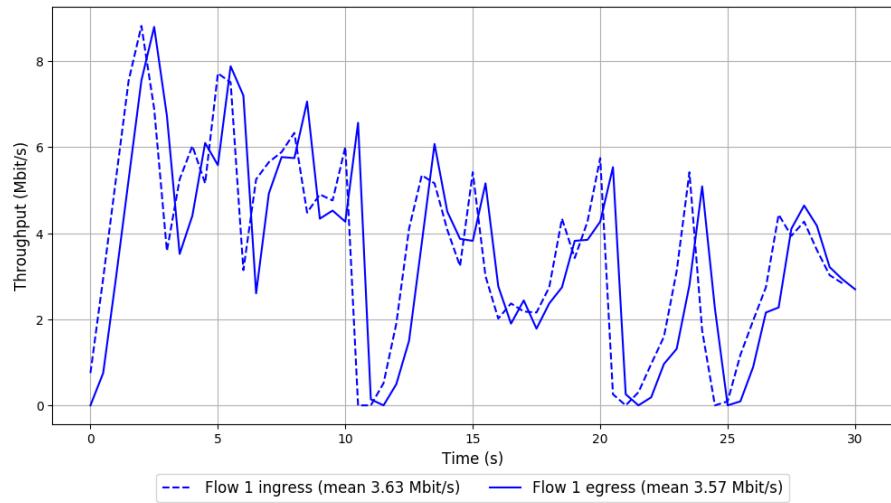


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-30 08:38:46
End at: 2018-06-30 08:39:16
Local clock offset: 0.76 ms
Remote clock offset: 0.372 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 40.437 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 40.437 ms
Loss rate: 1.84%
```

Run 6: Report of LEDBAT — Data Link

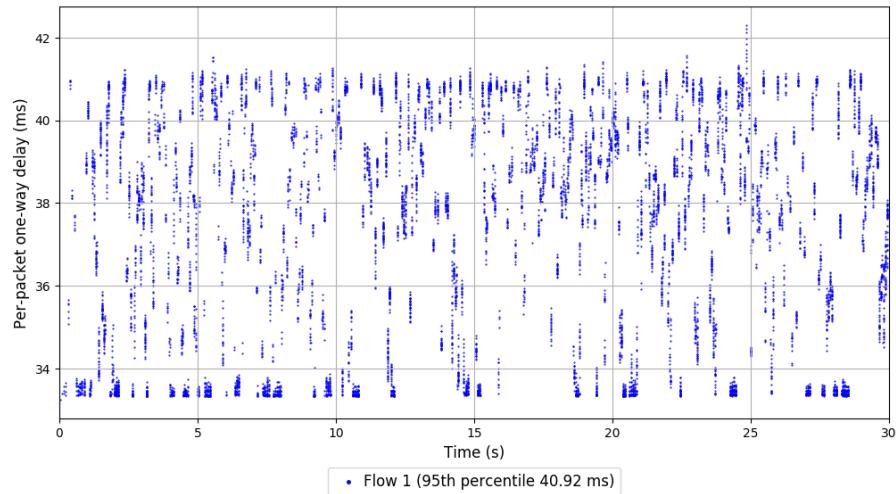
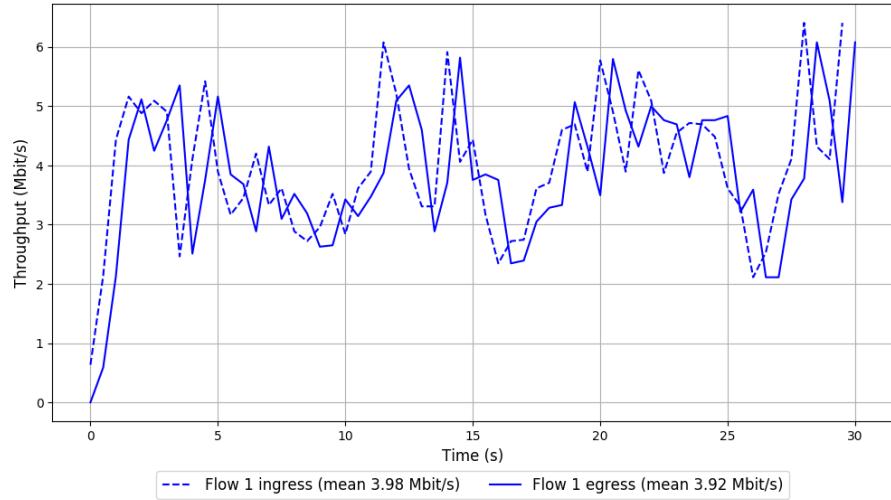


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-30 09:03:46
End at: 2018-06-30 09:04:16
Local clock offset: 0.254 ms
Remote clock offset: 0.891 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 40.919 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 40.919 ms
Loss rate: 1.95%
```

Run 7: Report of LEDBAT — Data Link

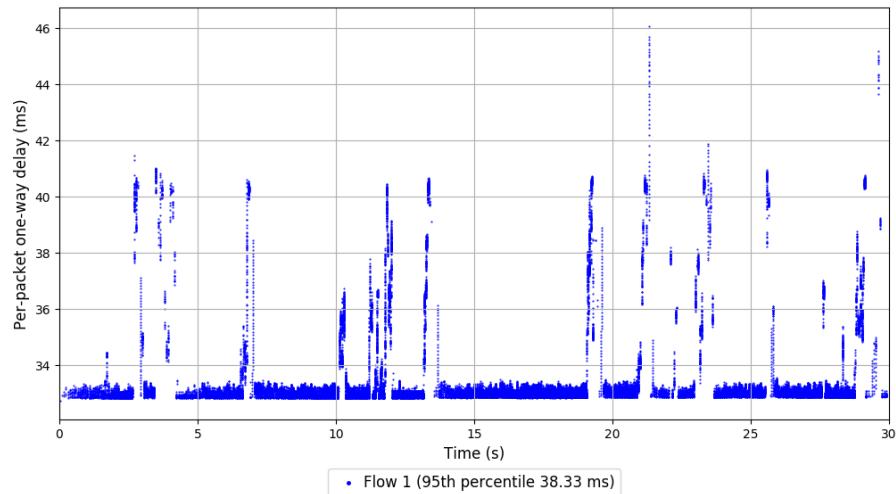
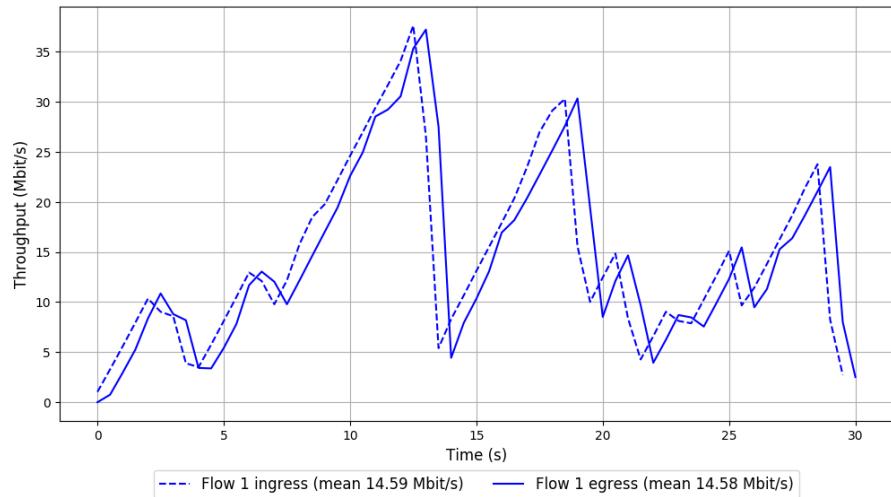


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-30 09:28:37
End at: 2018-06-30 09:29:07
Local clock offset: 0.31 ms
Remote clock offset: 2.981 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 38.327 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 38.327 ms
Loss rate: 0.34%
```

Run 8: Report of LEDBAT — Data Link

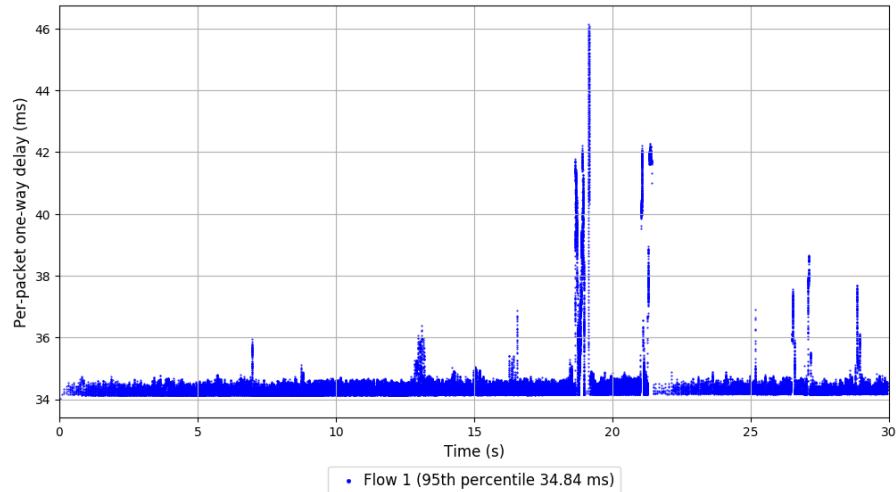
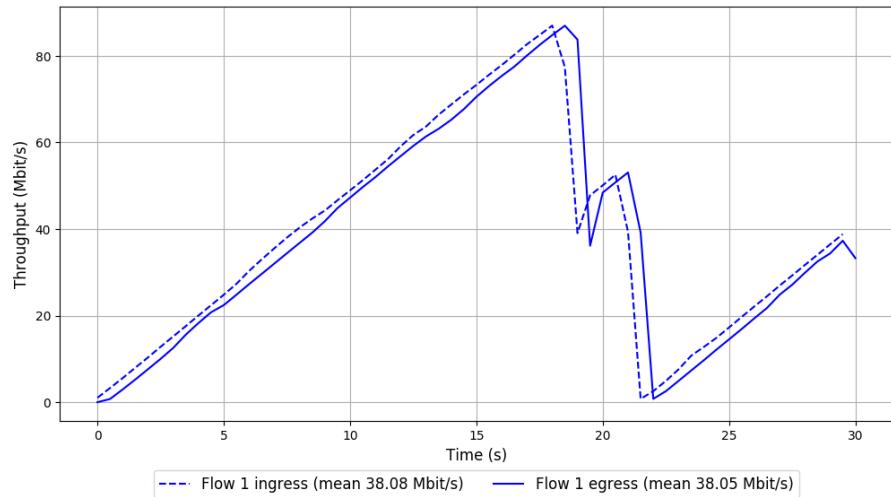


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-30 09:51:47
End at: 2018-06-30 09:52:17
Local clock offset: 0.271 ms
Remote clock offset: 5.3 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 34.842 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 34.842 ms
Loss rate: 0.31%
```

Run 9: Report of LEDBAT — Data Link

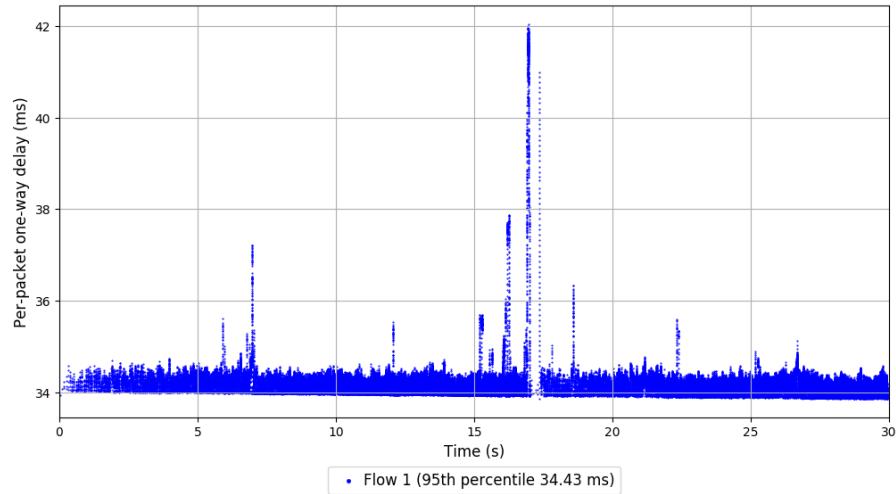
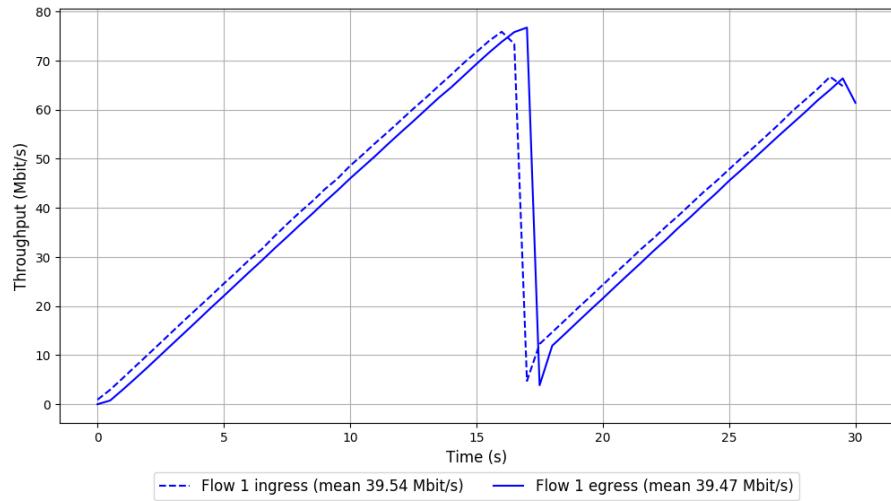


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-30 10:14:44
End at: 2018-06-30 10:15:14
Local clock offset: 0.16 ms
Remote clock offset: 6.893 ms

# Below is generated by plot.py at 2018-06-30 10:43:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 34.428 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 34.428 ms
Loss rate: 0.43%
```

Run 10: Report of LEDBAT — Data Link

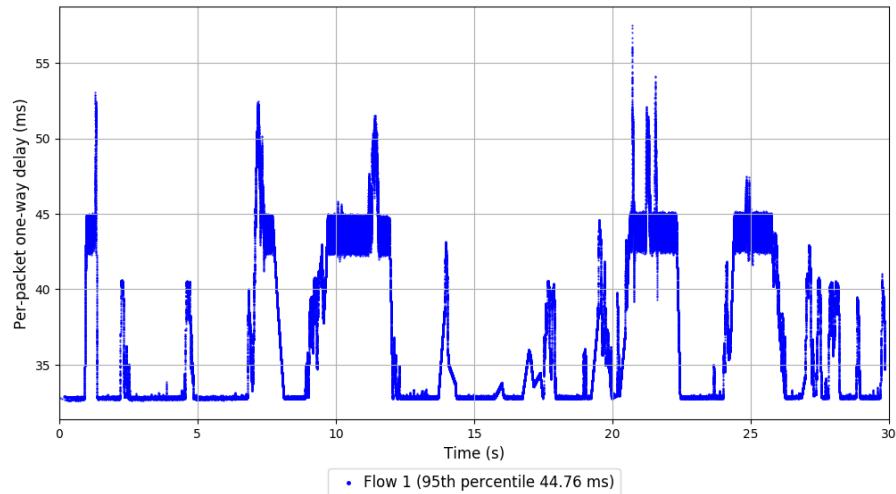
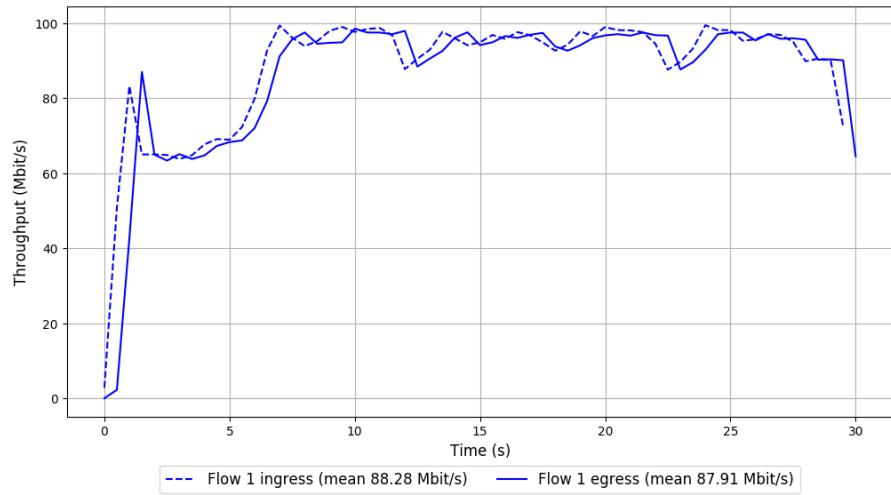


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-06-30 06:41:29
End at: 2018-06-30 06:41:59
Local clock offset: 0.426 ms
Remote clock offset: 4.769 ms

# Below is generated by plot.py at 2018-06-30 10:44:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 44.757 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 44.757 ms
Loss rate: 0.65%
```

Run 1: Report of PCC-Allegro — Data Link

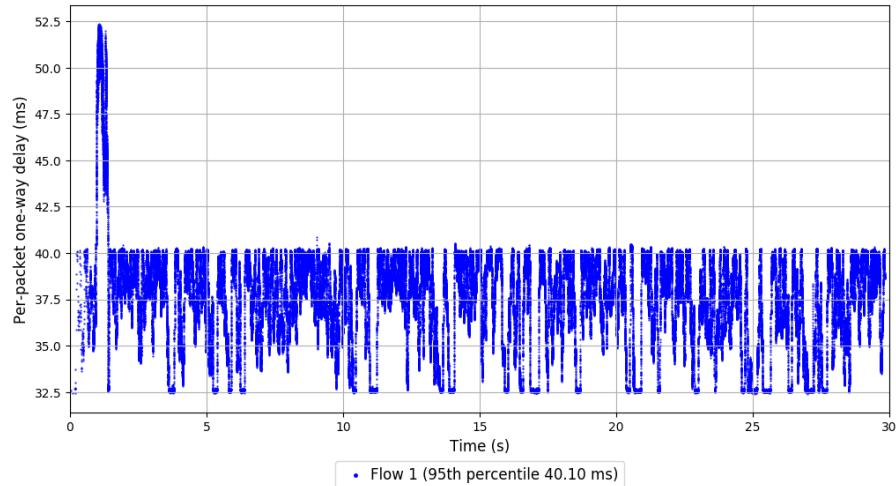
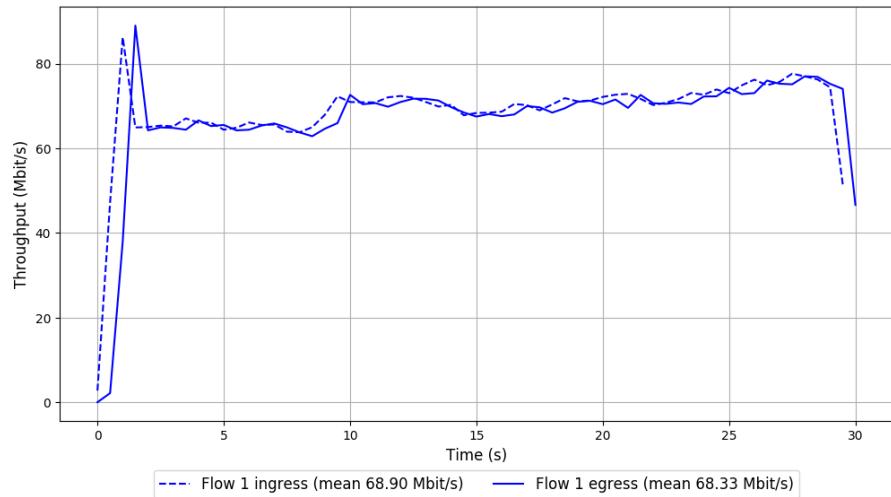


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-30 07:05:00
End at: 2018-06-30 07:05:30
Local clock offset: 0.705 ms
Remote clock offset: 4.376 ms

# Below is generated by plot.py at 2018-06-30 10:44:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.33 Mbit/s
95th percentile per-packet one-way delay: 40.102 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 68.33 Mbit/s
95th percentile per-packet one-way delay: 40.102 ms
Loss rate: 1.05%
```

Run 2: Report of PCC-Allegro — Data Link

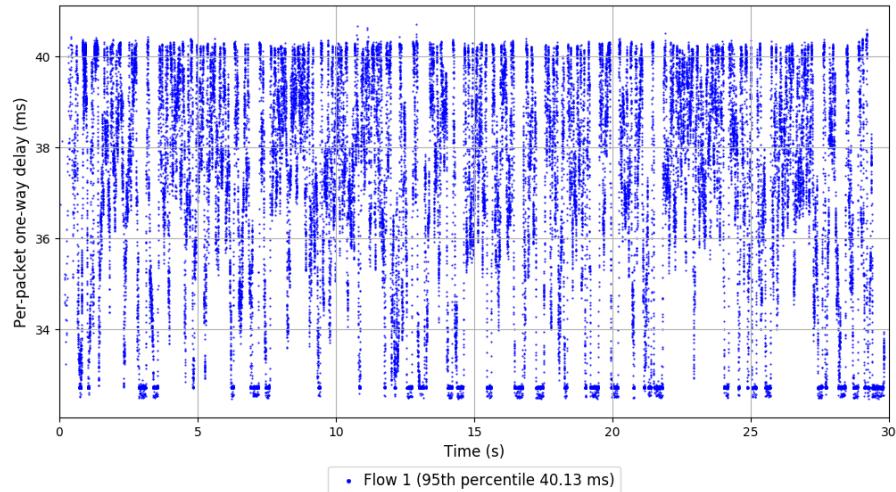
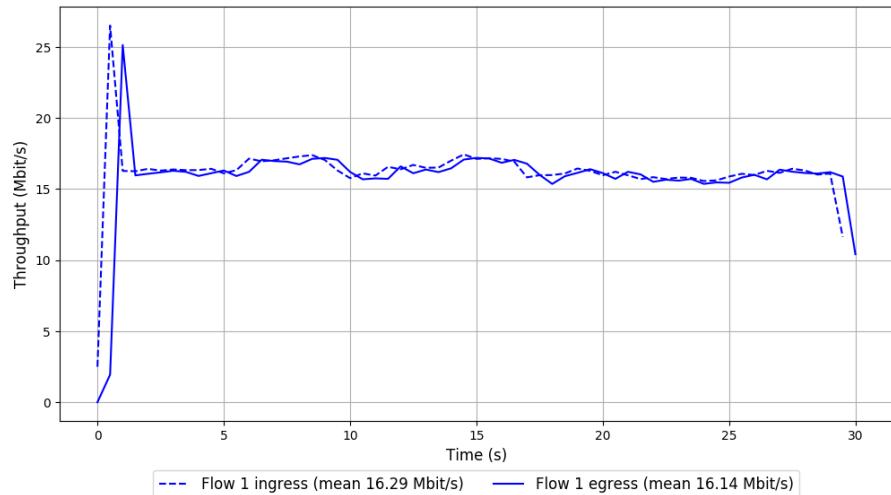


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-30 07:30:21
End at: 2018-06-30 07:30:51
Local clock offset: 1.195 ms
Remote clock offset: 4.496 ms

# Below is generated by plot.py at 2018-06-30 10:44:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 40.130 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 40.130 ms
Loss rate: 1.17%
```

Run 3: Report of PCC-Allegro — Data Link

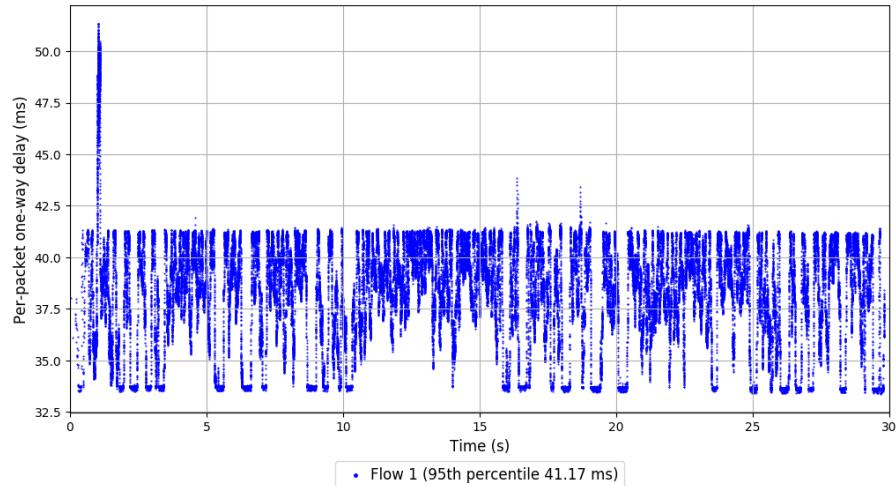
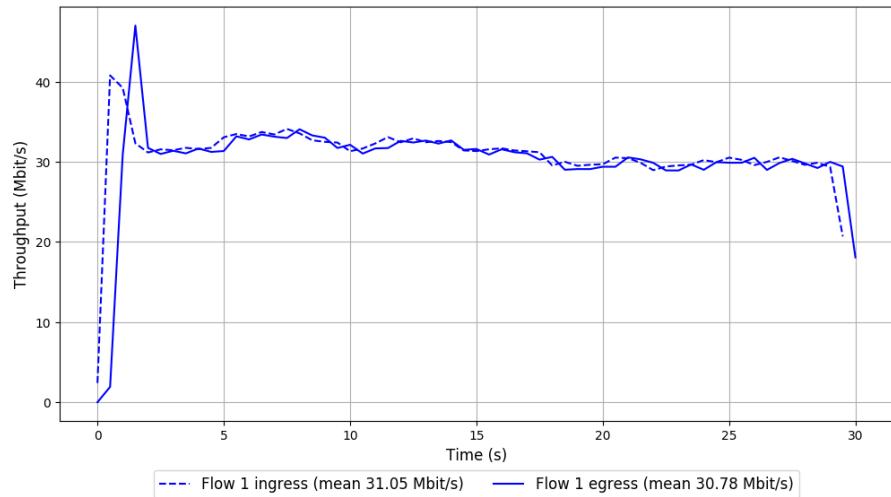


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-30 07:56:19
End at: 2018-06-30 07:56:49
Local clock offset: 1.155 ms
Remote clock offset: 5.218 ms

# Below is generated by plot.py at 2018-06-30 10:44:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 41.168 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 41.168 ms
Loss rate: 1.13%
```

Run 4: Report of PCC-Allegro — Data Link

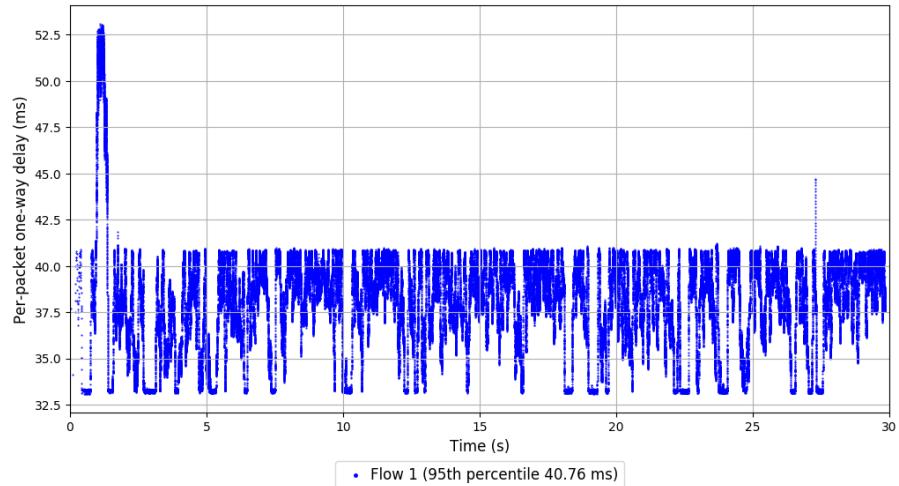
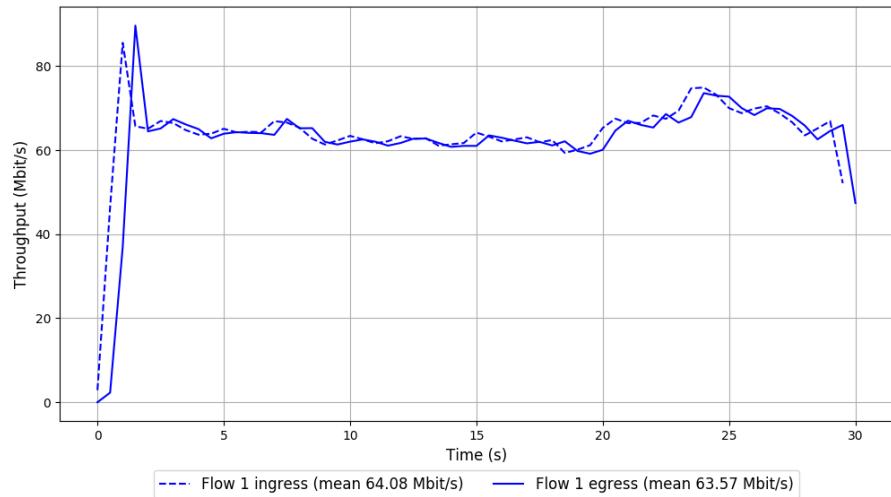


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-30 08:22:14
End at: 2018-06-30 08:22:44
Local clock offset: 0.849 ms
Remote clock offset: -0.468 ms

# Below is generated by plot.py at 2018-06-30 10:44:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 40.764 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 40.764 ms
Loss rate: 1.05%
```

Run 5: Report of PCC-Allegro — Data Link

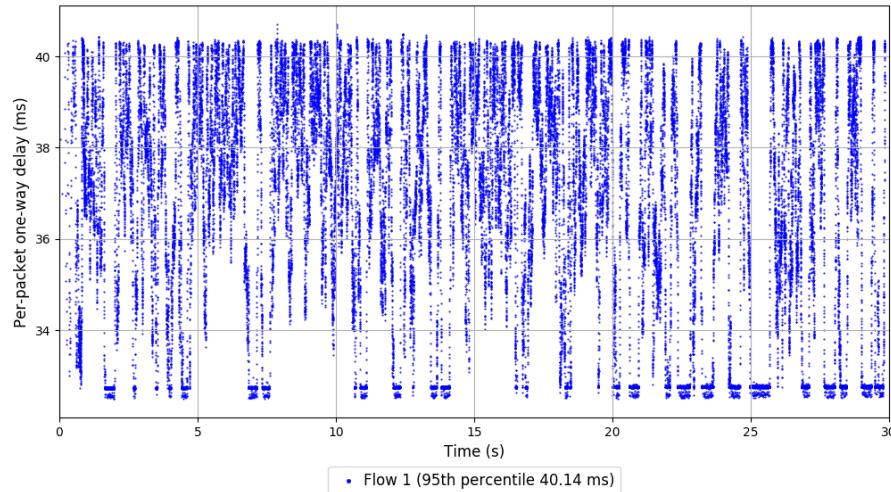
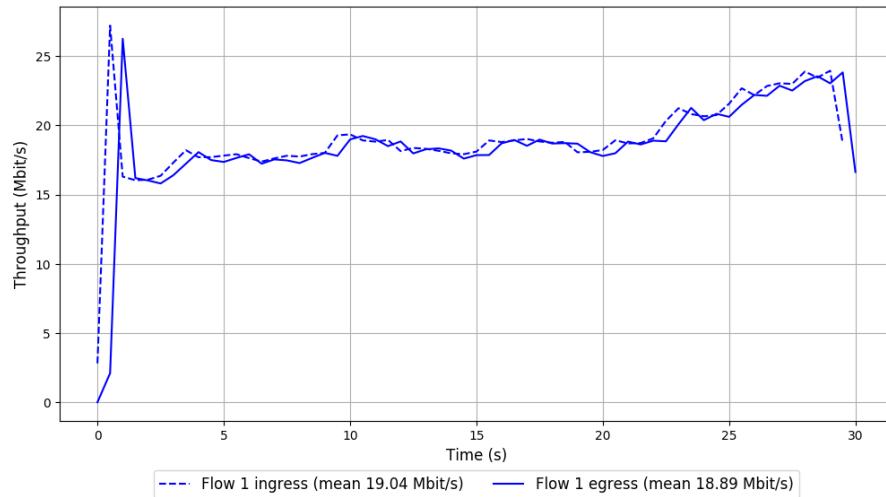


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-30 08:47:42
End at: 2018-06-30 08:48:12
Local clock offset: 0.552 ms
Remote clock offset: 0.875 ms

# Below is generated by plot.py at 2018-06-30 10:44:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 40.143 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 40.143 ms
Loss rate: 1.03%
```

Run 6: Report of PCC-Allegro — Data Link

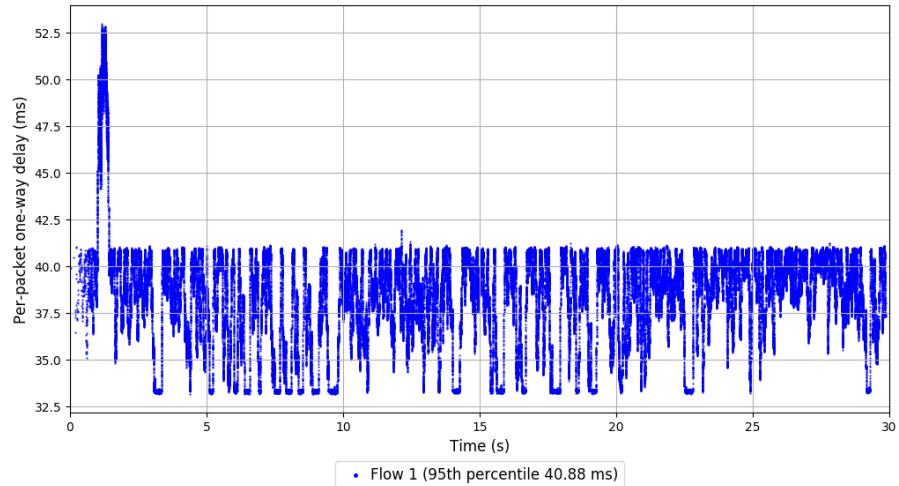
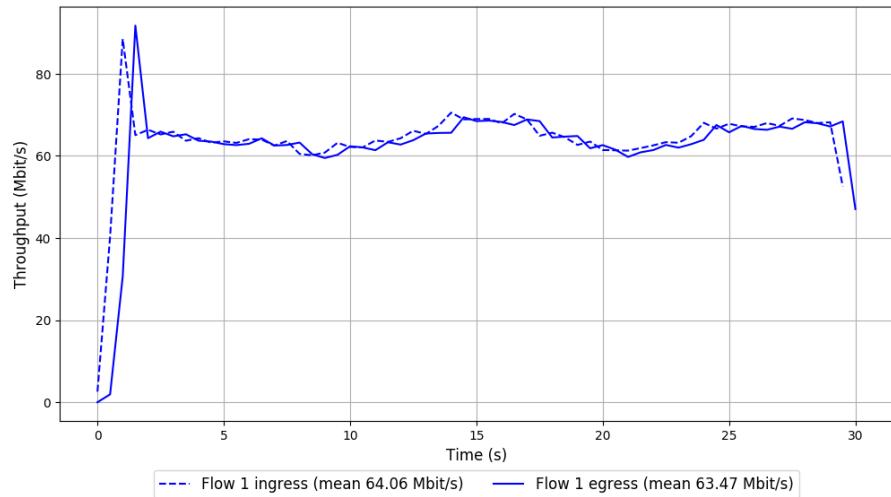


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-30 09:12:50
End at: 2018-06-30 09:13:20
Local clock offset: 0.151 ms
Remote clock offset: 1.128 ms

# Below is generated by plot.py at 2018-06-30 10:44:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.47 Mbit/s
95th percentile per-packet one-way delay: 40.884 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 63.47 Mbit/s
95th percentile per-packet one-way delay: 40.884 ms
Loss rate: 1.18%
```

Run 7: Report of PCC-Allegro — Data Link

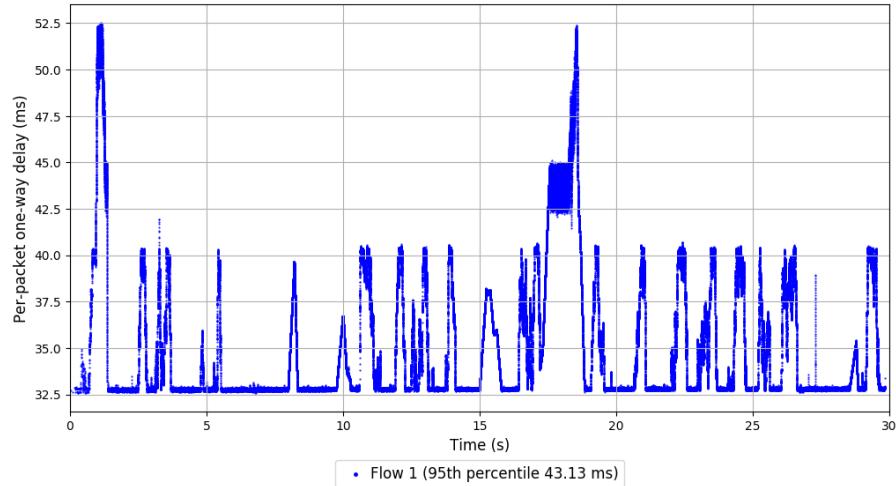
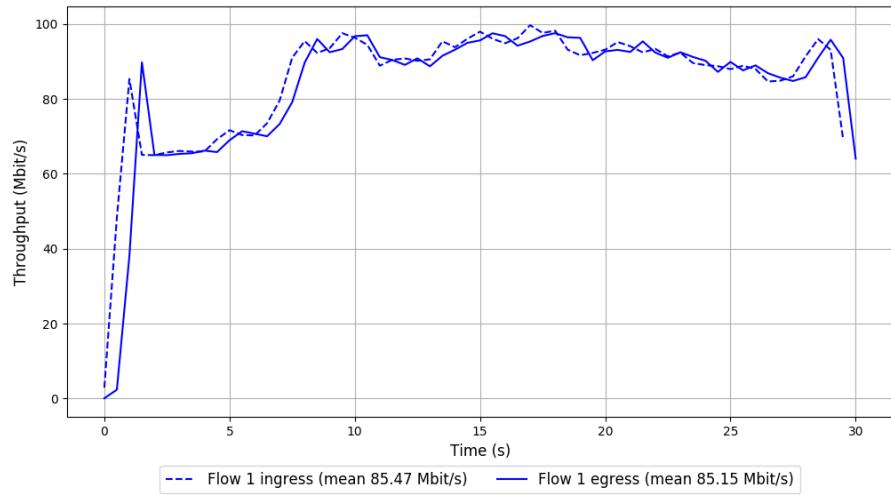


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-30 09:36:56
End at: 2018-06-30 09:37:26
Local clock offset: 0.175 ms
Remote clock offset: 3.725 ms

# Below is generated by plot.py at 2018-06-30 10:44:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 43.130 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 43.130 ms
Loss rate: 0.60%
```

Run 8: Report of PCC-Allegro — Data Link

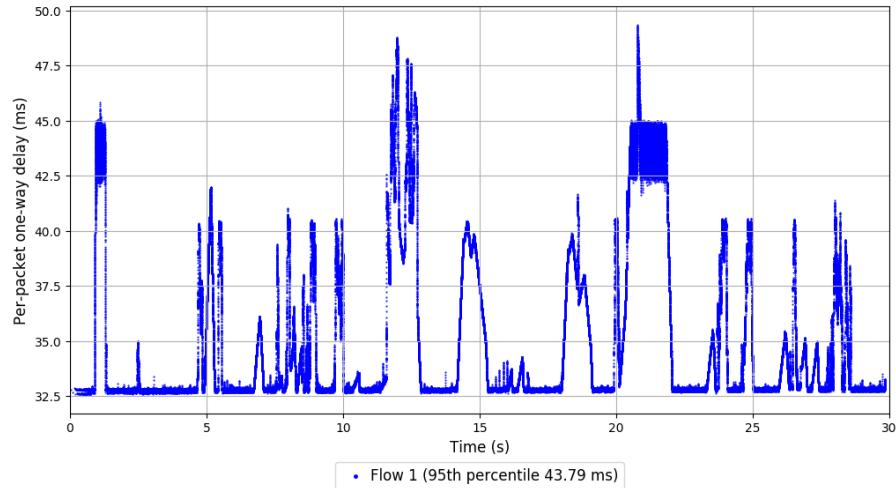
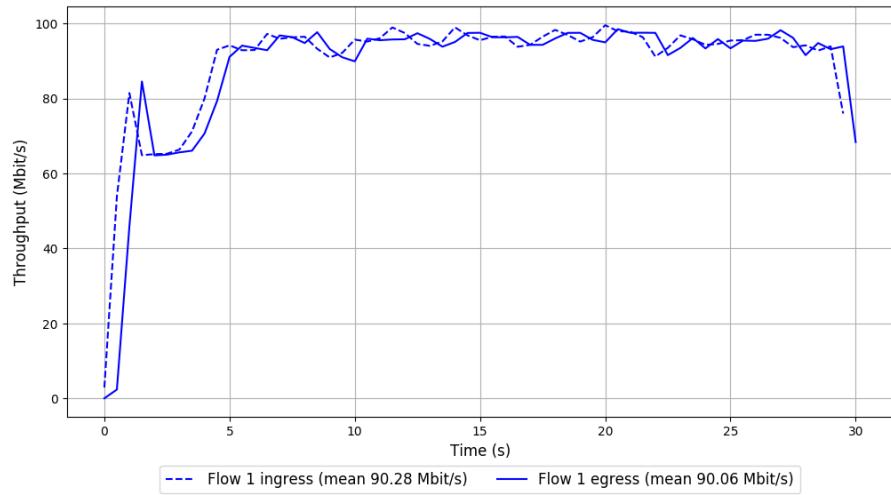


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-30 09:59:54
End at: 2018-06-30 10:00:24
Local clock offset: 0.211 ms
Remote clock offset: 6.212 ms

# Below is generated by plot.py at 2018-06-30 10:44:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 43.793 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 43.793 ms
Loss rate: 0.48%
```

Run 9: Report of PCC-Allegro — Data Link

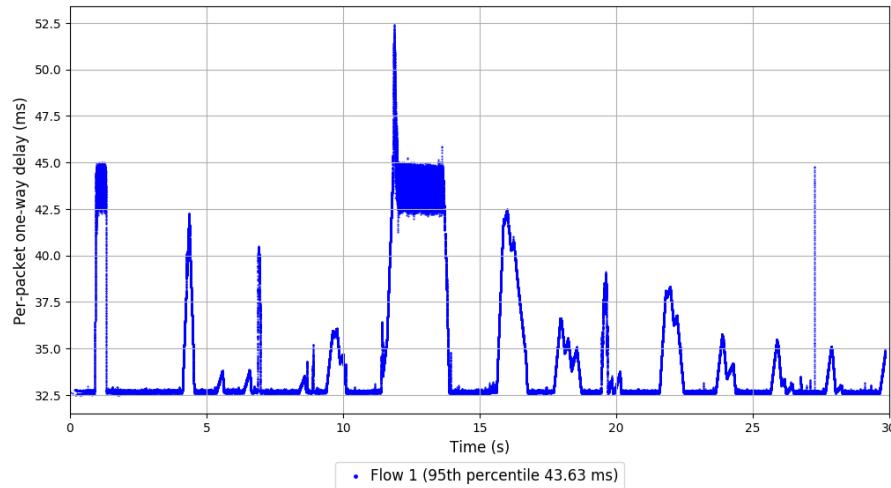
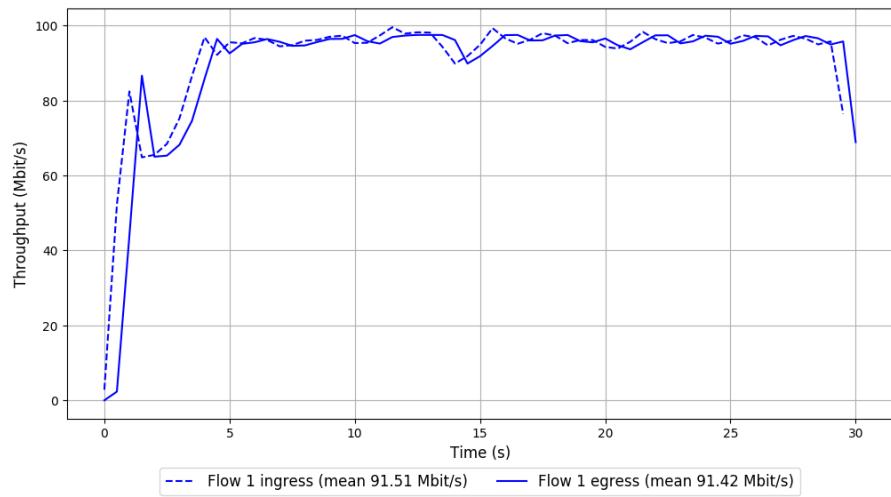


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-30 10:22:49
End at: 2018-06-30 10:23:20
Local clock offset: 0.215 ms
Remote clock offset: 5.212 ms

# Below is generated by plot.py at 2018-06-30 10:44:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 43.626 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 43.626 ms
Loss rate: 0.33%
```

Run 10: Report of PCC-Allegro — Data Link

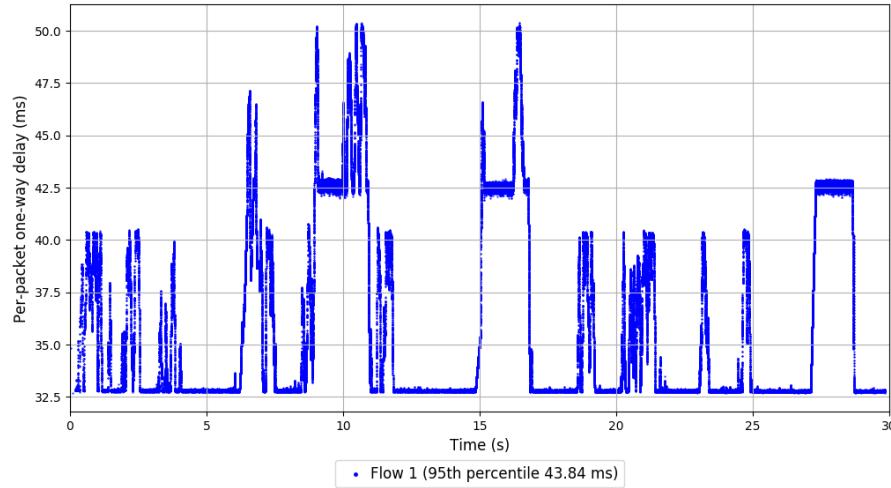
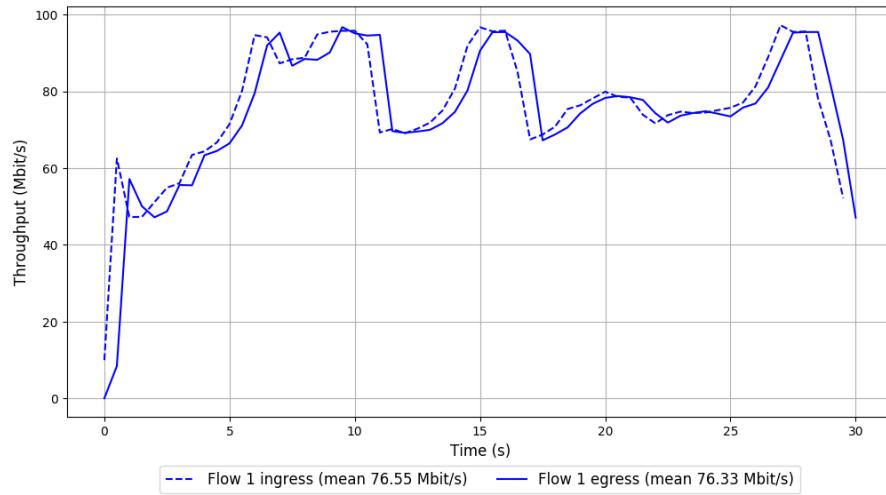


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-30 06:45:26
End at: 2018-06-30 06:45:56
Local clock offset: 0.261 ms
Remote clock offset: 4.966 ms

# Below is generated by plot.py at 2018-06-30 10:45:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.33 Mbit/s
95th percentile per-packet one-way delay: 43.838 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 76.33 Mbit/s
95th percentile per-packet one-way delay: 43.838 ms
Loss rate: 0.53%
```

Run 1: Report of PCC-Expr — Data Link

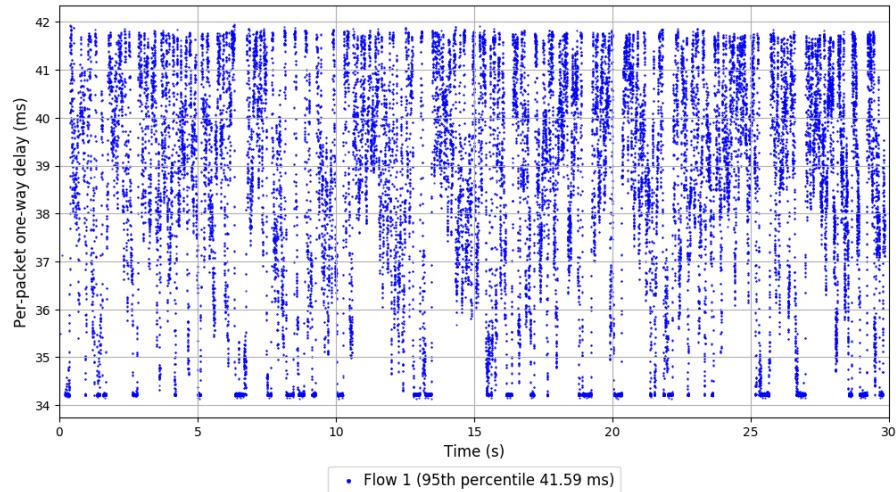
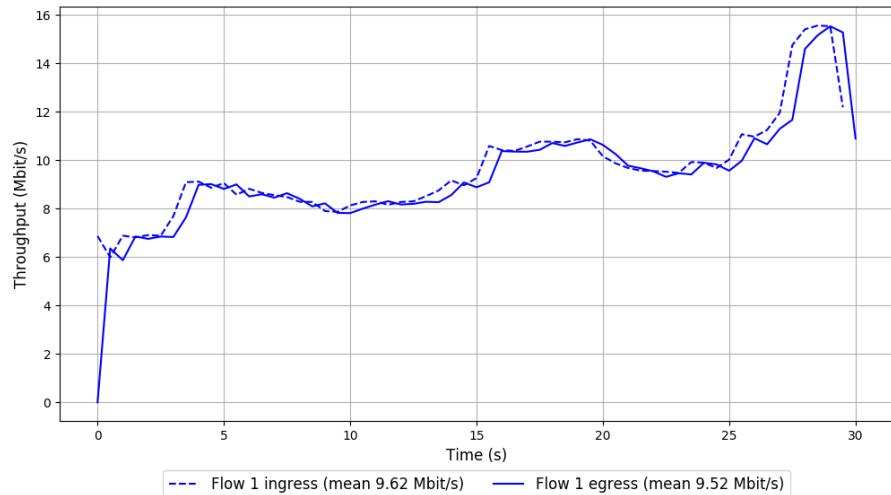


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-30 07:09:34
End at: 2018-06-30 07:10:04
Local clock offset: 0.704 ms
Remote clock offset: 4.323 ms

# Below is generated by plot.py at 2018-06-30 10:45:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 41.592 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 41.592 ms
Loss rate: 1.28%
```

Run 2: Report of PCC-Expr — Data Link

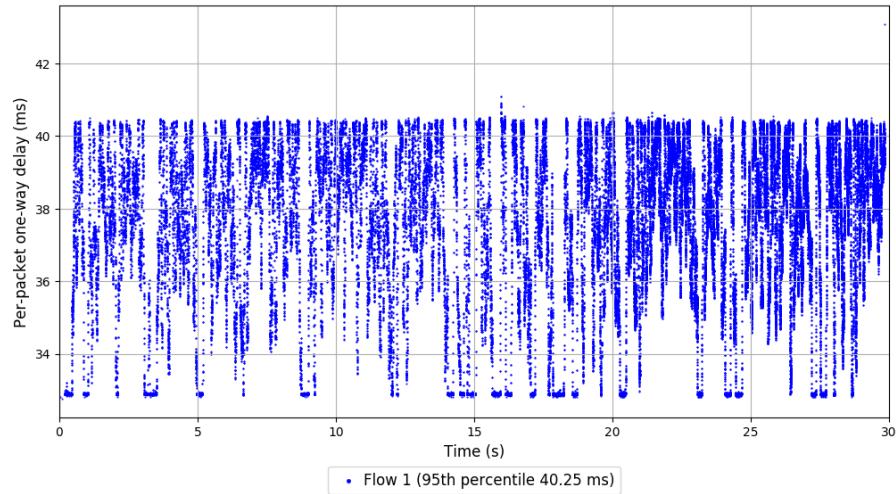
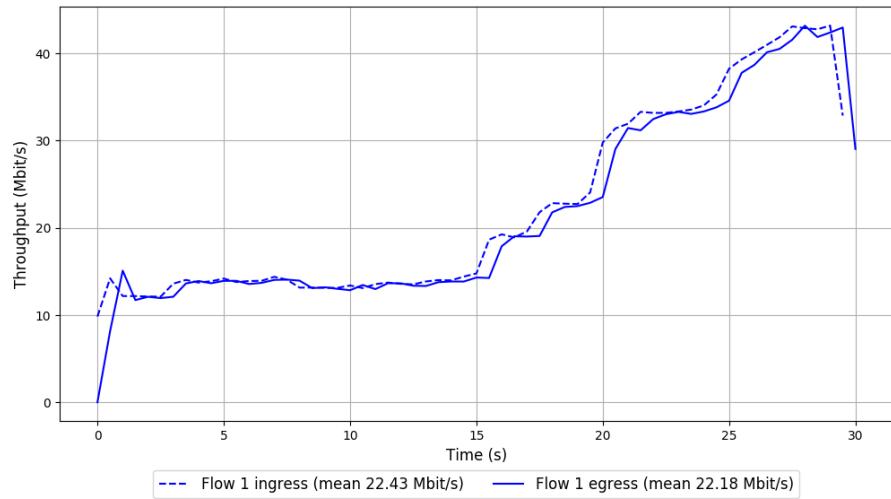


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-30 07:34:42
End at: 2018-06-30 07:35:12
Local clock offset: 1.229 ms
Remote clock offset: 4.448 ms

# Below is generated by plot.py at 2018-06-30 10:45:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 40.251 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 40.251 ms
Loss rate: 1.34%
```

Run 3: Report of PCC-Expr — Data Link

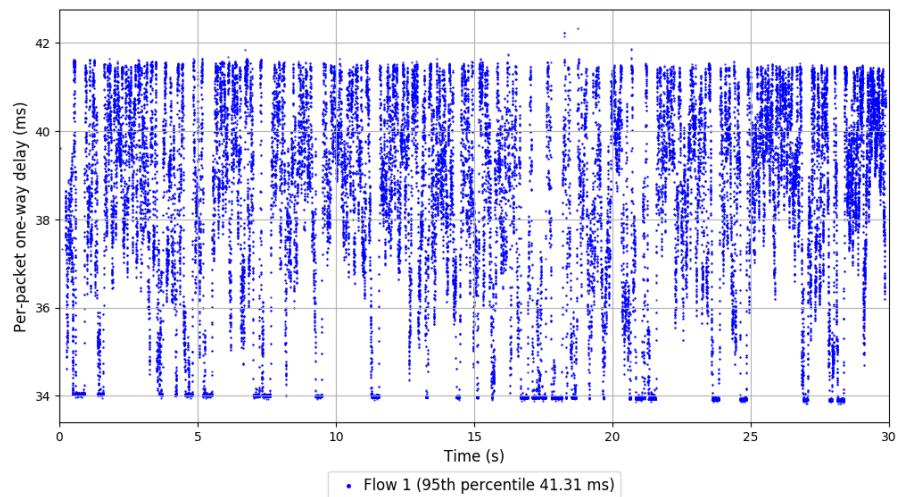
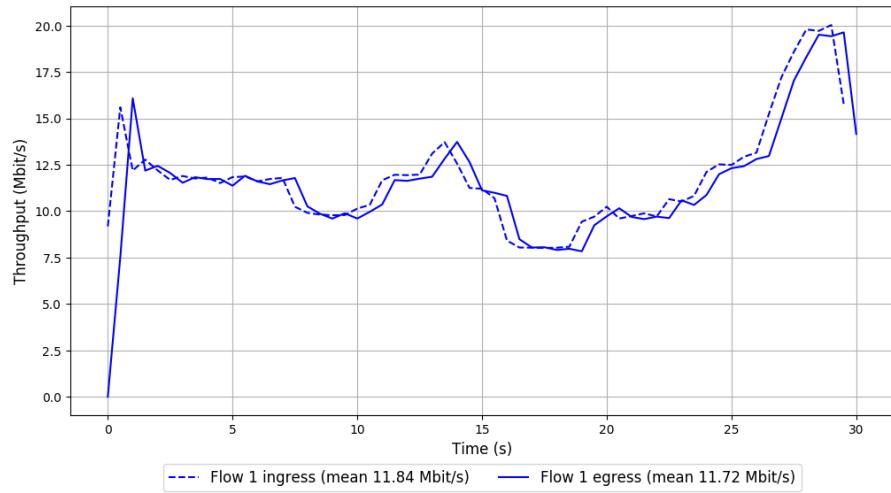


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-30 08:00:47
End at: 2018-06-30 08:01:17
Local clock offset: 1.053 ms
Remote clock offset: 3.2 ms

# Below is generated by plot.py at 2018-06-30 10:45:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 41.312 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 41.312 ms
Loss rate: 1.29%
```

Run 4: Report of PCC-Expr — Data Link

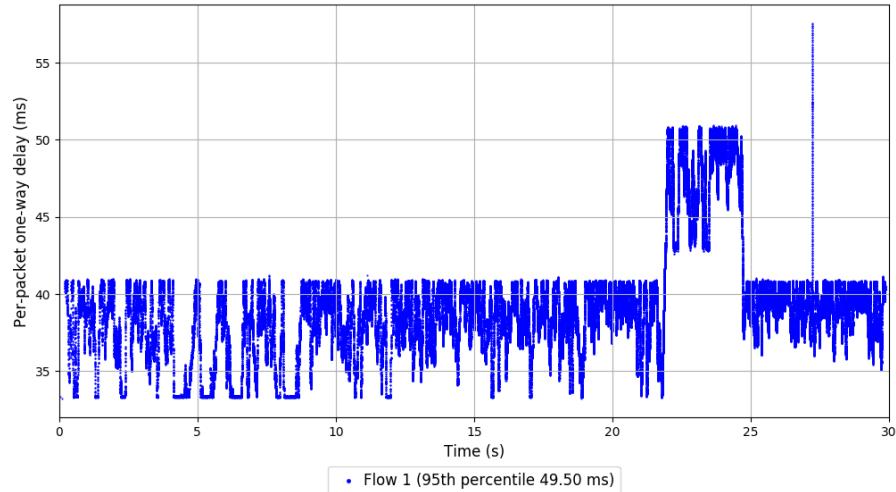
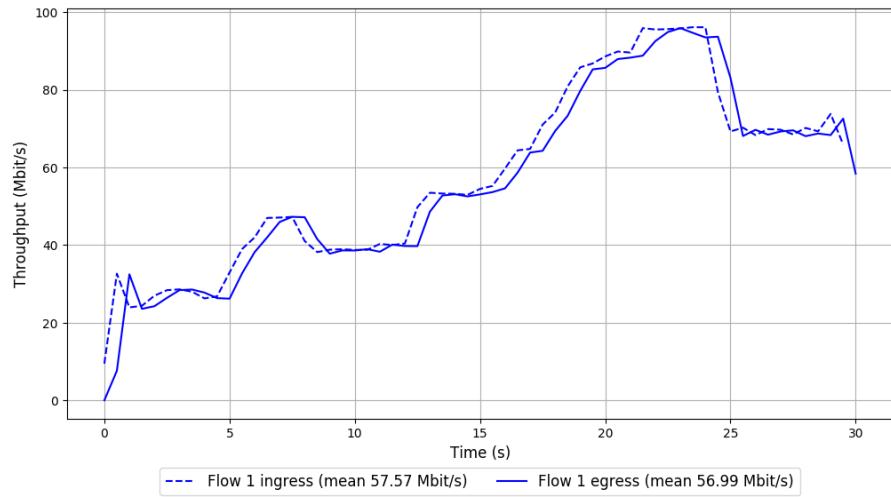


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-30 08:26:32
End at: 2018-06-30 08:27:02
Local clock offset: 0.872 ms
Remote clock offset: -0.778 ms

# Below is generated by plot.py at 2018-06-30 10:45:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 49.503 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 49.503 ms
Loss rate: 1.23%
```

Run 5: Report of PCC-Expr — Data Link

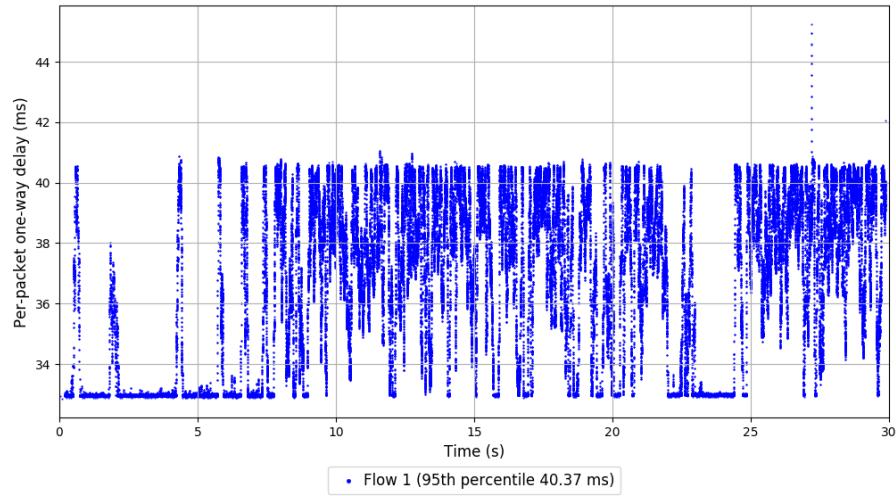
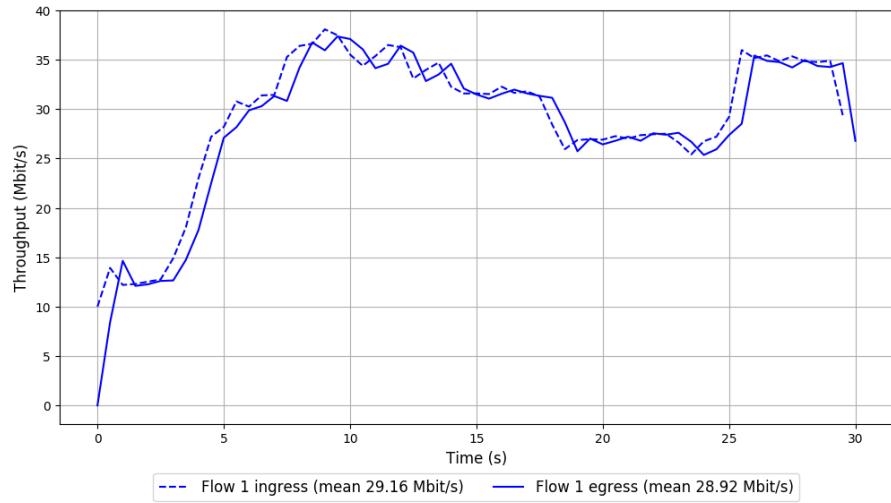


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-30 08:51:47
End at: 2018-06-30 08:52:17
Local clock offset: 0.541 ms
Remote clock offset: 1.018 ms

# Below is generated by plot.py at 2018-06-30 10:45:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 40.366 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 40.366 ms
Loss rate: 1.02%
```

Run 6: Report of PCC-Expr — Data Link

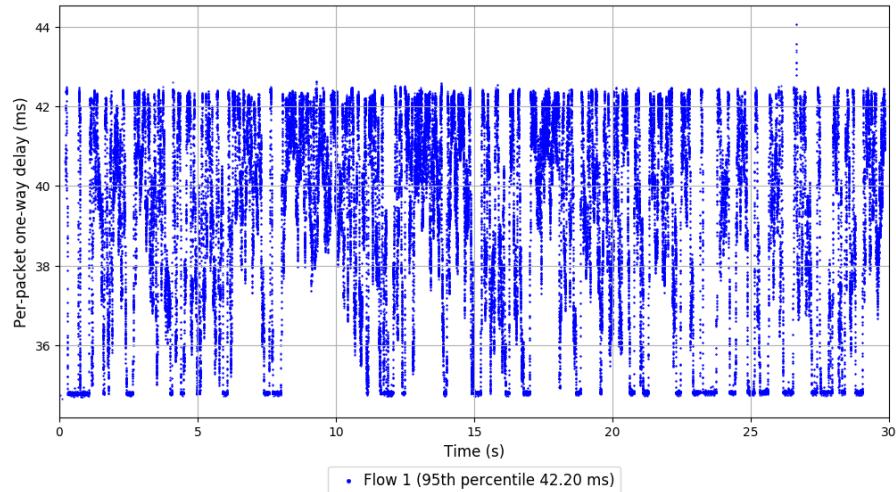
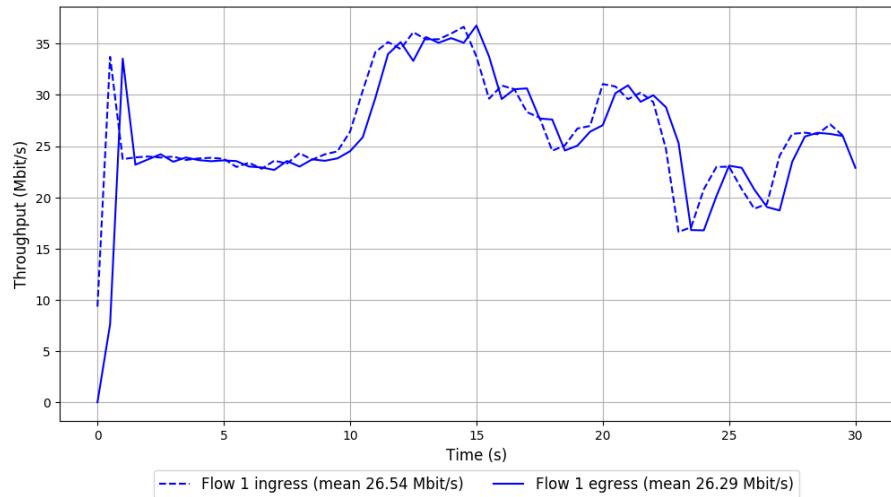


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-30 09:17:39
End at: 2018-06-30 09:18:09
Local clock offset: 0.242 ms
Remote clock offset: 1.418 ms

# Below is generated by plot.py at 2018-06-30 10:45:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 42.197 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 42.197 ms
Loss rate: 1.18%
```

Run 7: Report of PCC-Expr — Data Link

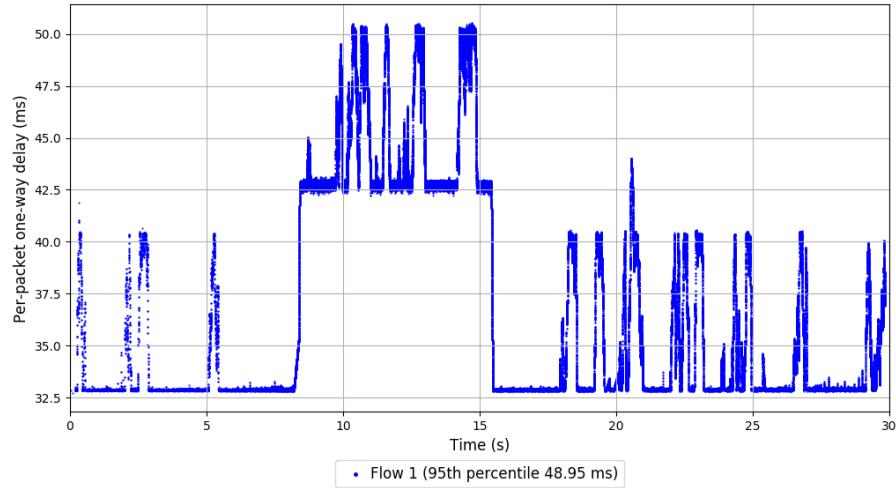
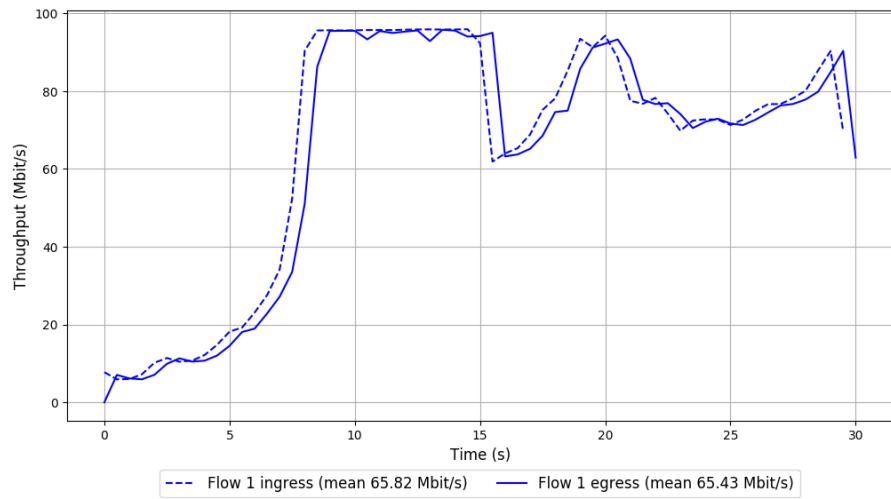


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-30 09:41:02
End at: 2018-06-30 09:41:32
Local clock offset: 0.281 ms
Remote clock offset: 4.172 ms

# Below is generated by plot.py at 2018-06-30 10:46:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.43 Mbit/s
95th percentile per-packet one-way delay: 48.945 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 65.43 Mbit/s
95th percentile per-packet one-way delay: 48.945 ms
Loss rate: 0.83%
```

Run 8: Report of PCC-Expr — Data Link

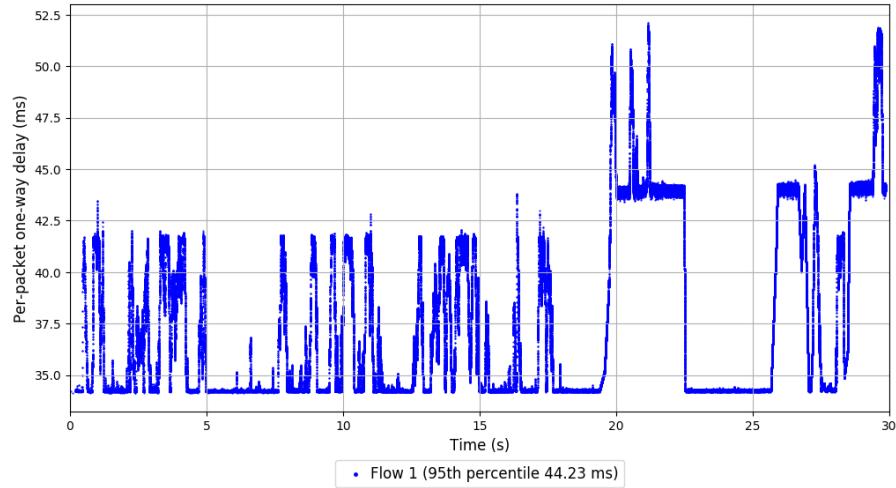
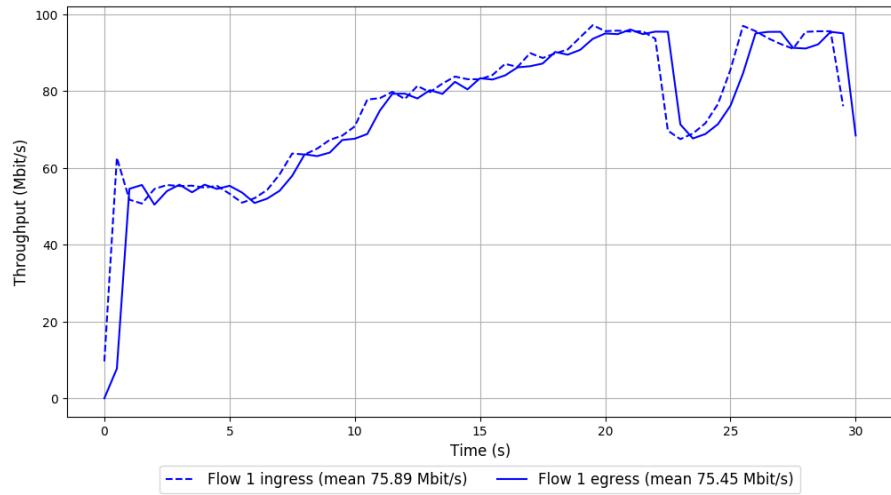


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-30 10:03:50
End at: 2018-06-30 10:04:20
Local clock offset: 0.259 ms
Remote clock offset: 6.671 ms

# Below is generated by plot.py at 2018-06-30 10:46:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 44.235 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 44.235 ms
Loss rate: 0.82%
```

Run 9: Report of PCC-Expr — Data Link

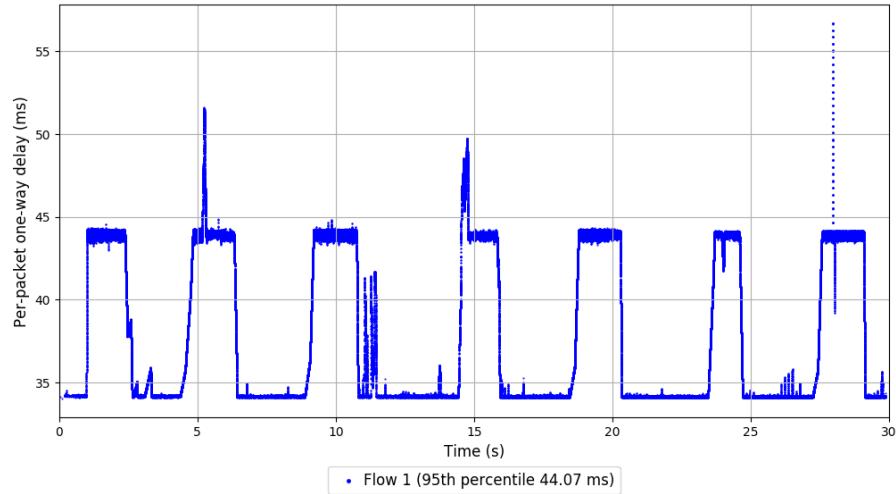
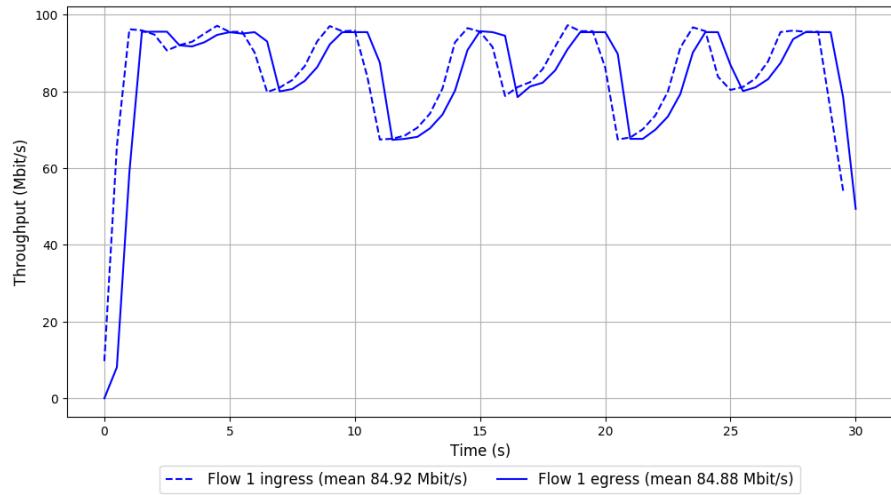


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-30 10:26:47
End at: 2018-06-30 10:27:17
Local clock offset: 0.302 ms
Remote clock offset: 4.887 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 44.073 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 44.073 ms
Loss rate: 0.28%
```

Run 10: Report of PCC-Expr — Data Link

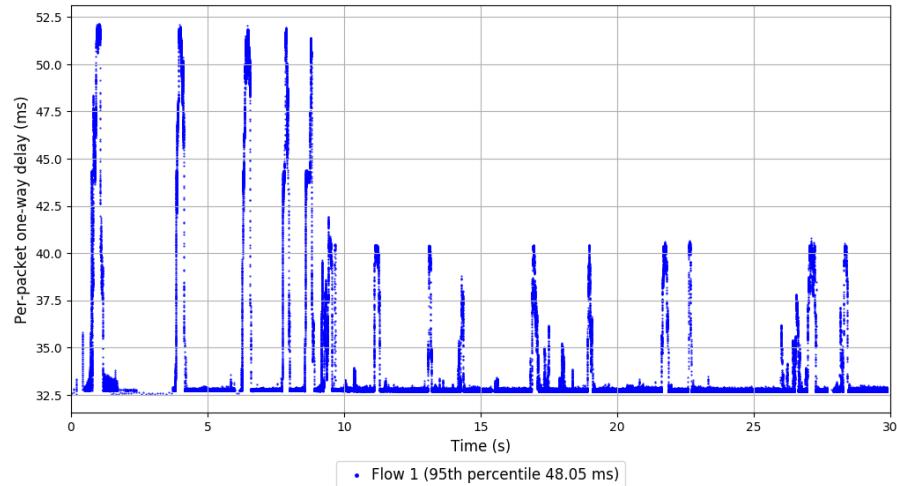
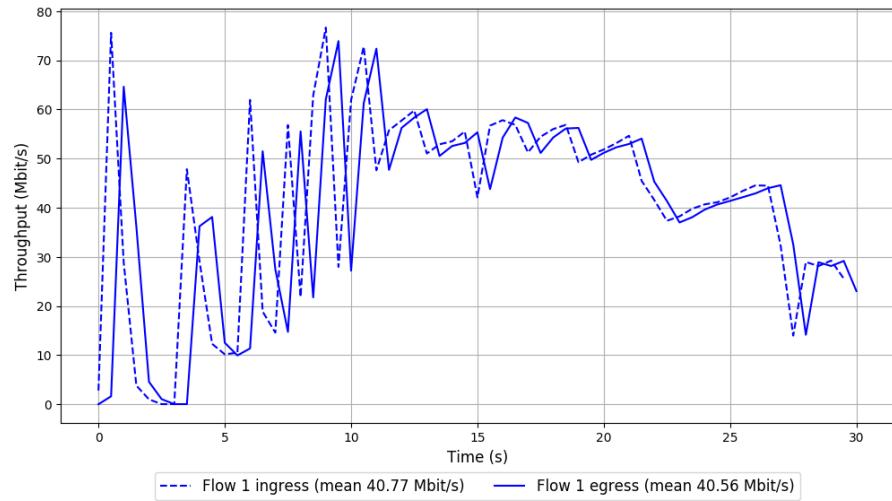


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 06:52:02
End at: 2018-06-30 06:52:32
Local clock offset: 0.617 ms
Remote clock offset: 4.872 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 48.046 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 48.046 ms
Loss rate: 0.74%
```

Run 1: Report of QUIC Cubic — Data Link

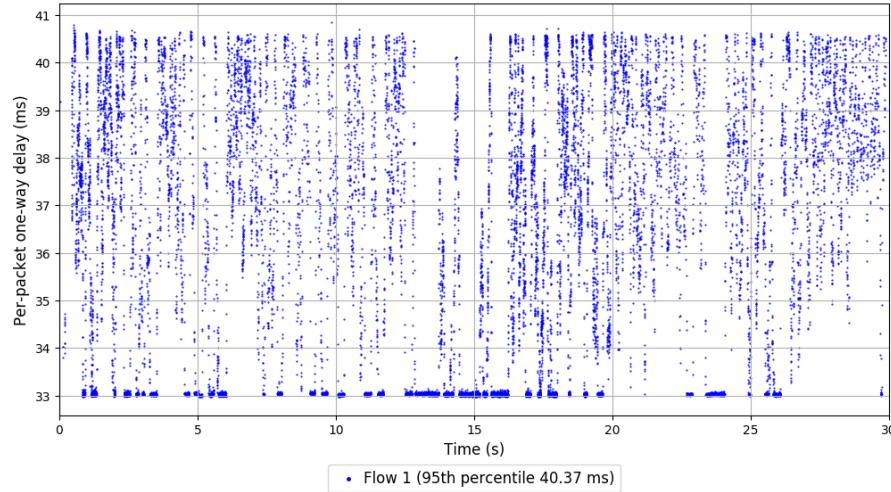
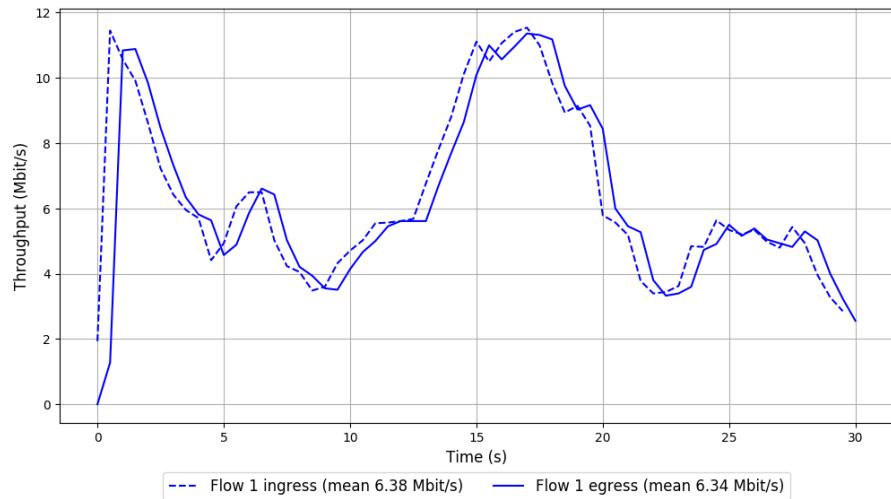


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-30 07:17:27
End at: 2018-06-30 07:17:57
Local clock offset: 0.881 ms
Remote clock offset: 5.728 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 40.367 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 40.367 ms
Loss rate: 0.88%
```

Run 2: Report of QUIC Cubic — Data Link

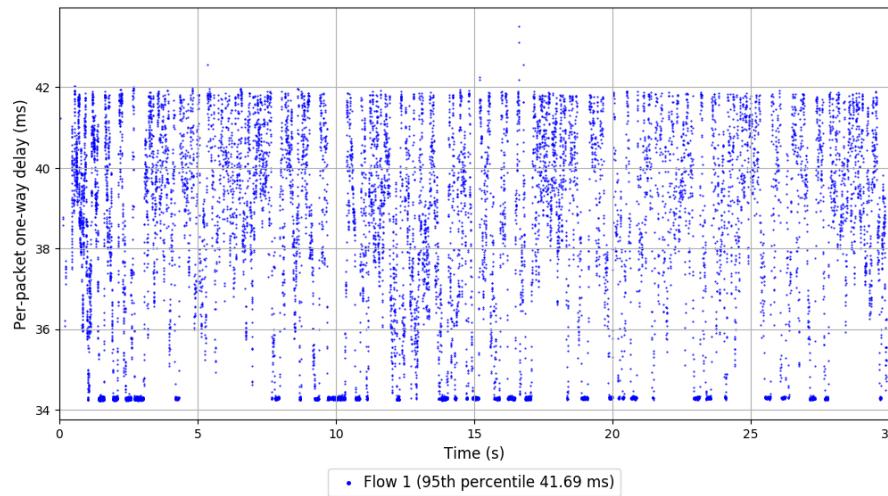
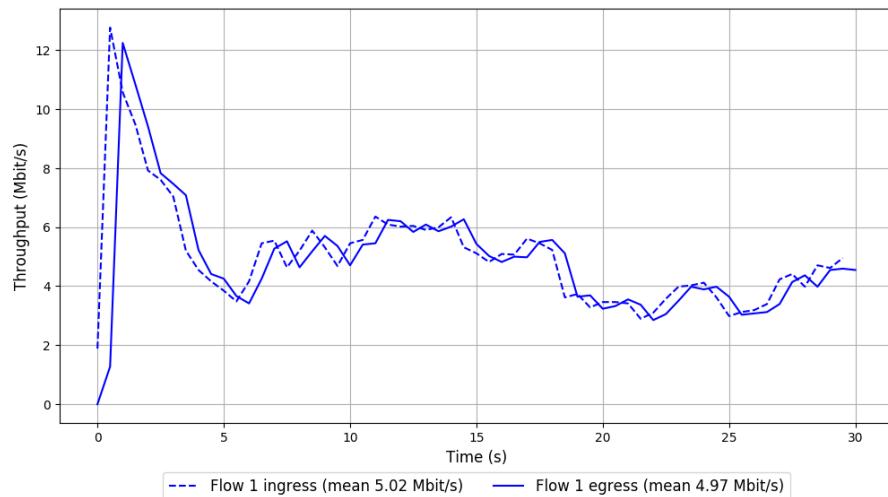


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-30 07:43:18
End at: 2018-06-30 07:43:48
Local clock offset: 1.275 ms
Remote clock offset: 4.575 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 41.688 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 41.688 ms
Loss rate: 1.21%
```

Run 3: Report of QUIC Cubic — Data Link

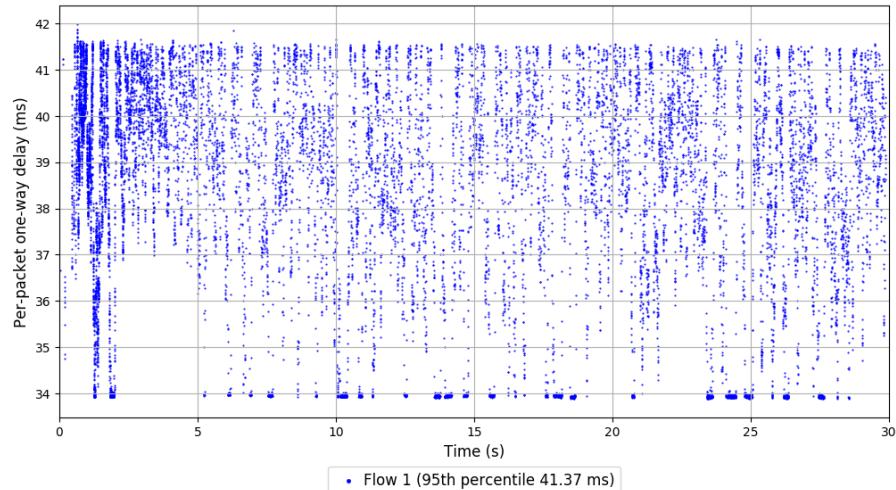
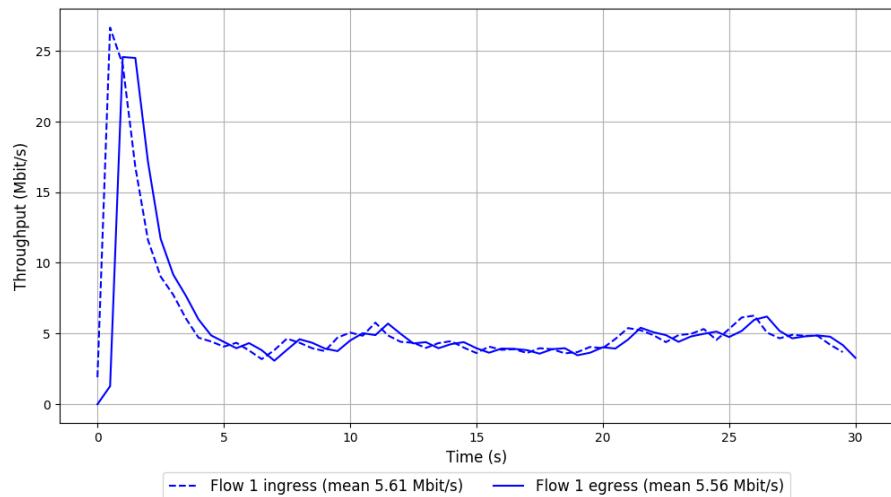


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-30 08:09:38
End at: 2018-06-30 08:10:08
Local clock offset: 1.015 ms
Remote clock offset: 1.484 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 41.369 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 41.369 ms
Loss rate: 1.12%
```

Run 4: Report of QUIC Cubic — Data Link

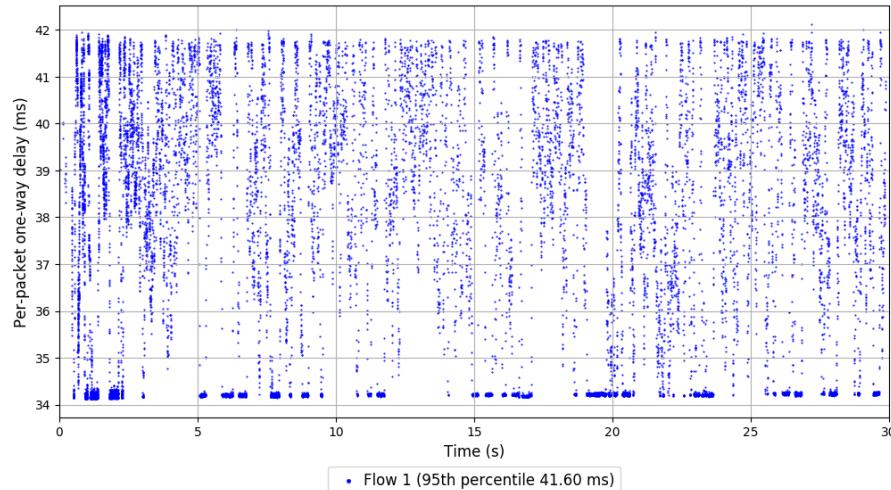
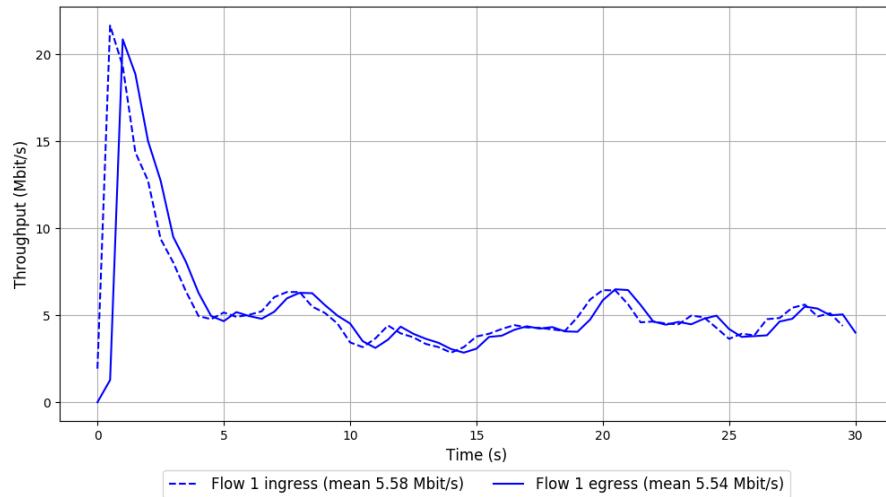


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-30 08:34:57
End at: 2018-06-30 08:35:27
Local clock offset: 0.711 ms
Remote clock offset: 0.081 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 41.599 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 41.599 ms
Loss rate: 1.08%
```

Run 5: Report of QUIC Cubic — Data Link

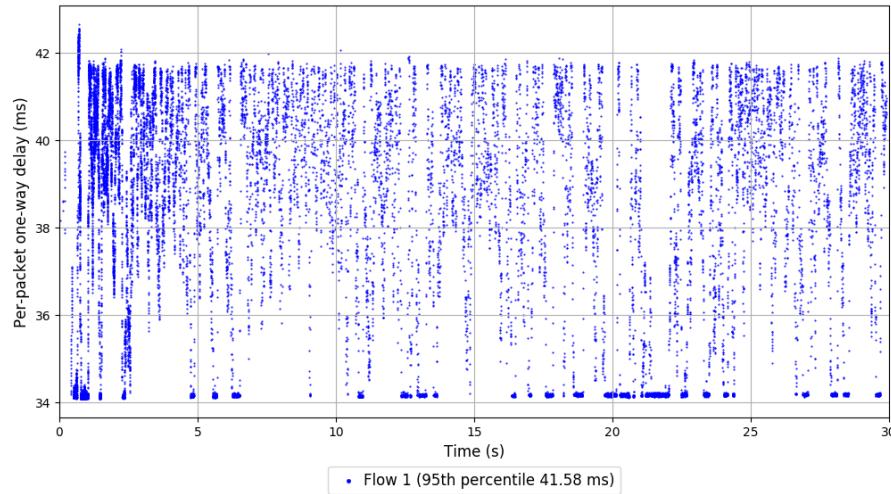
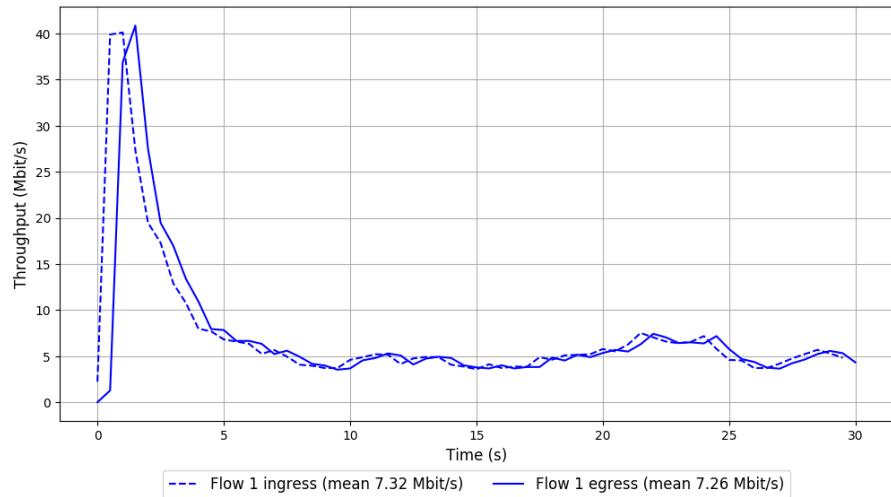


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-30 08:59:57
End at: 2018-06-30 09:00:28
Local clock offset: 0.371 ms
Remote clock offset: 1.466 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 41.578 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 41.578 ms
Loss rate: 1.10%
```

Run 6: Report of QUIC Cubic — Data Link

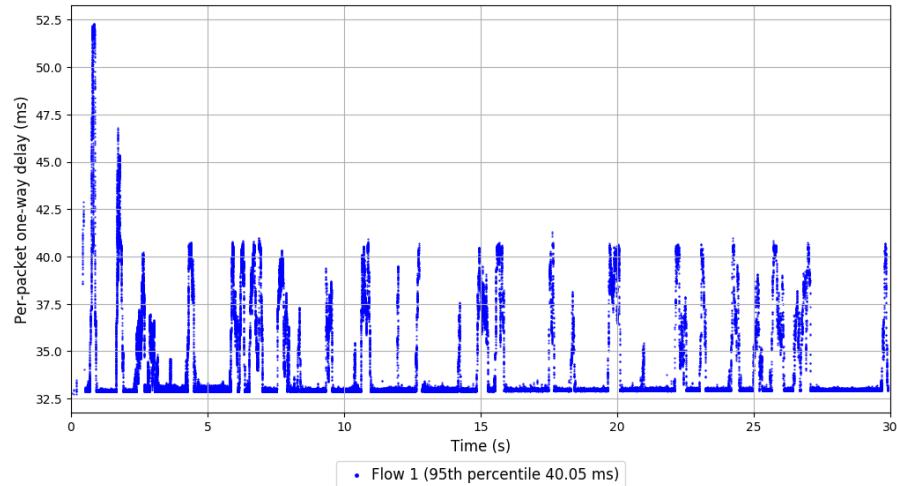
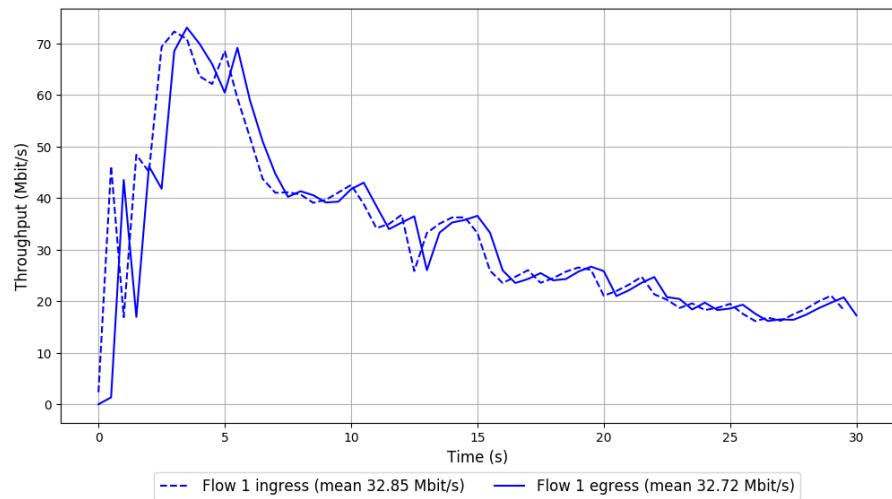


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-30 09:24:46
End at: 2018-06-30 09:25:16
Local clock offset: 0.305 ms
Remote clock offset: 2.557 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 40.050 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 40.050 ms
Loss rate: 0.62%
```

Run 7: Report of QUIC Cubic — Data Link

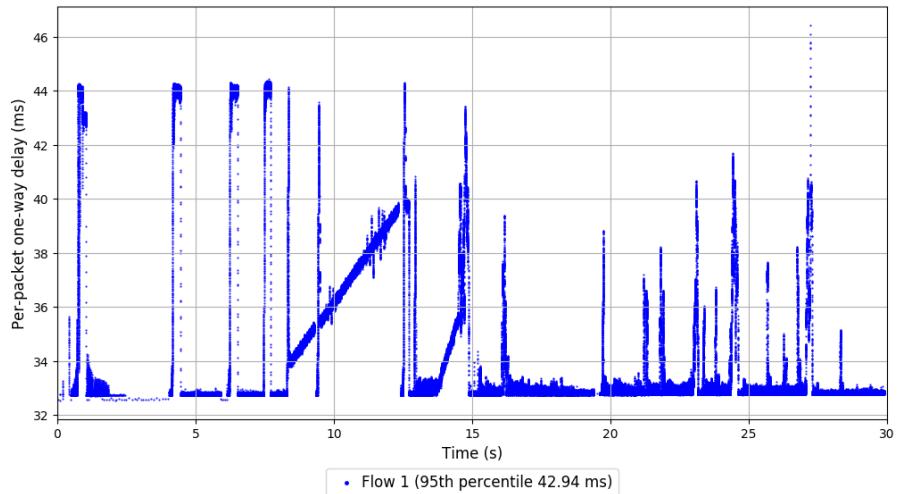
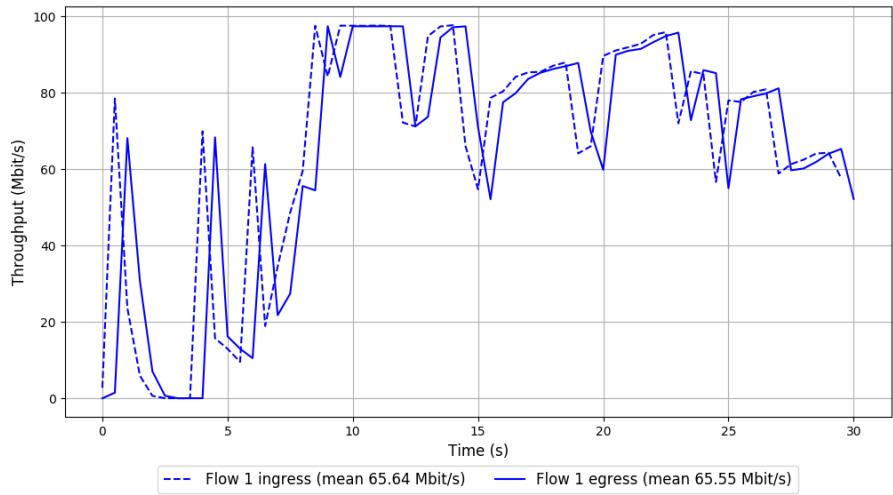


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-30 09:47:53
End at: 2018-06-30 09:48:23
Local clock offset: 0.265 ms
Remote clock offset: 4.921 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 42.939 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 42.939 ms
Loss rate: 0.37%
```

Run 8: Report of QUIC Cubic — Data Link

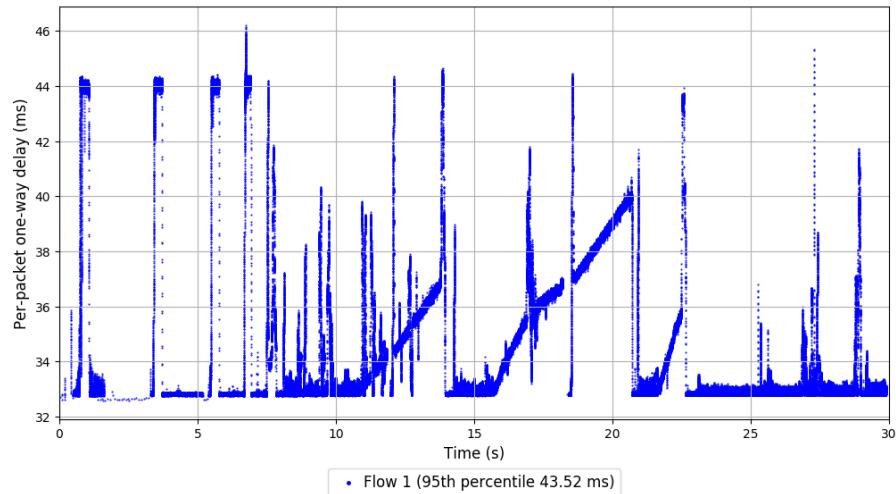
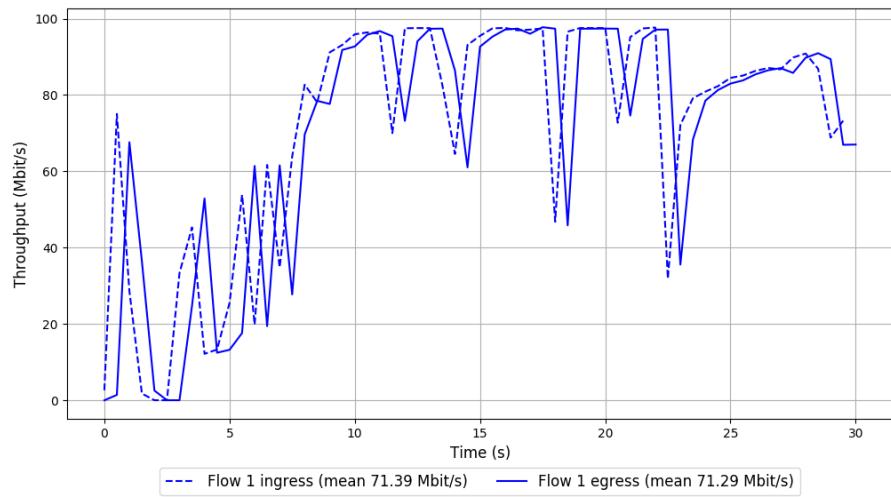


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-30 10:10:42
End at: 2018-06-30 10:11:12
Local clock offset: 0.25 ms
Remote clock offset: 7.336 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 43.521 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 43.521 ms
Loss rate: 0.37%
```

Run 9: Report of QUIC Cubic — Data Link

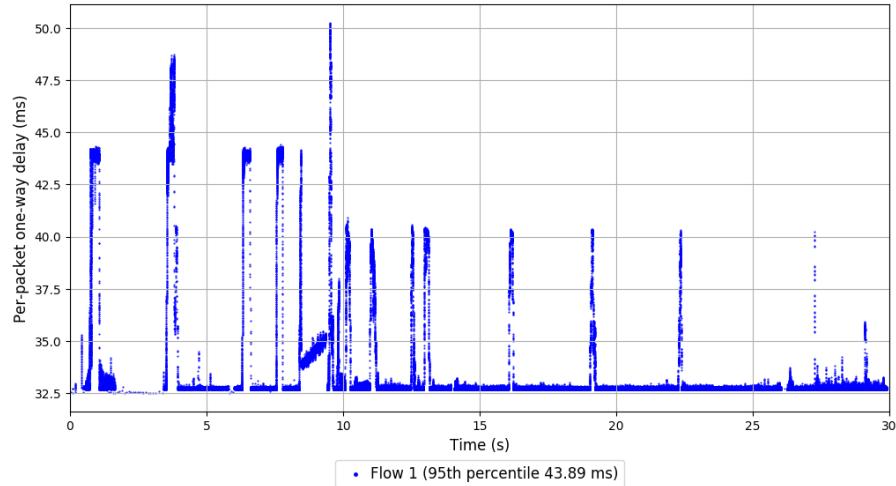
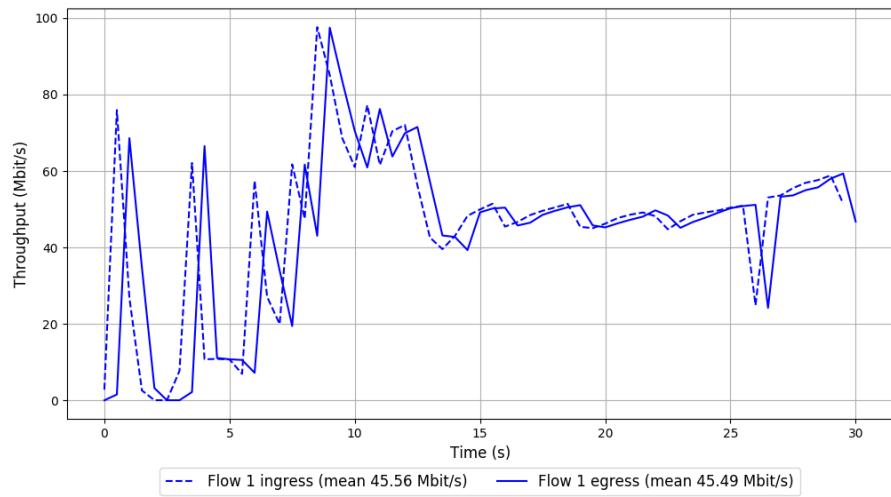


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-30 10:33:34
End at: 2018-06-30 10:34:04
Local clock offset: 0.323 ms
Remote clock offset: 4.645 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 43.889 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 43.889 ms
Loss rate: 0.40%
```

Run 10: Report of QUIC Cubic — Data Link

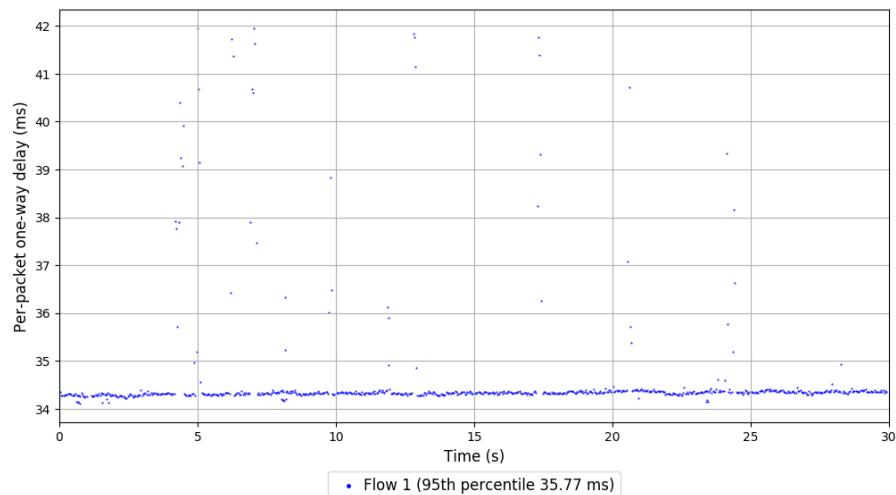
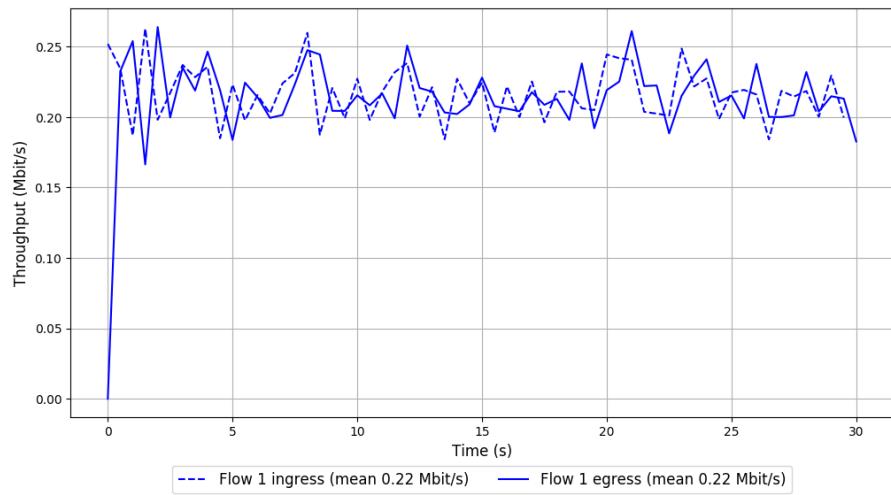


Run 1: Statistics of SCReAM

```
Start at: 2018-06-30 06:44:11
End at: 2018-06-30 06:44:41
Local clock offset: 0.3 ms
Remote clock offset: 4.862 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 35.769 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 35.769 ms
Loss rate: 0.26%
```

Run 1: Report of SCReAM — Data Link

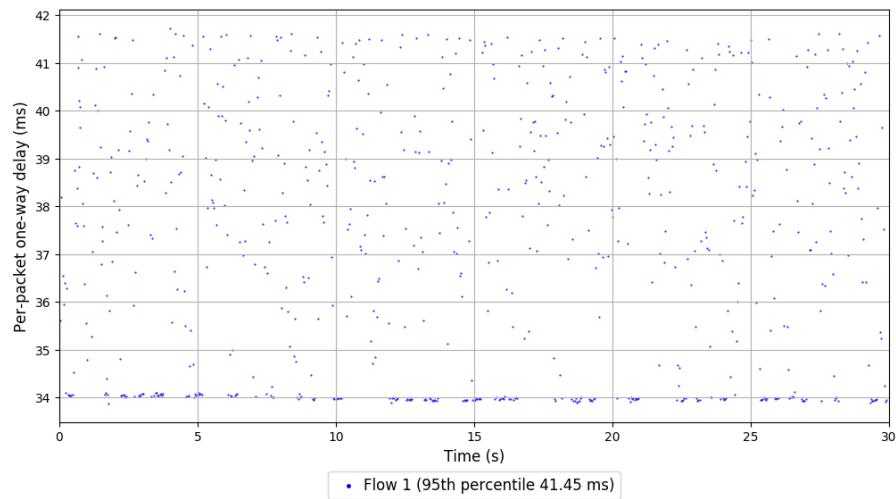
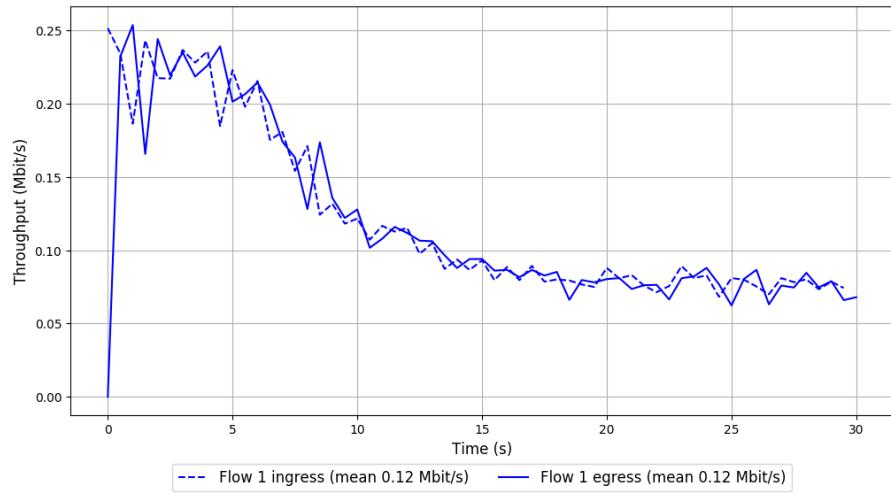


Run 2: Statistics of SCReAM

```
Start at: 2018-06-30 07:08:19
End at: 2018-06-30 07:08:49
Local clock offset: 0.817 ms
Remote clock offset: 4.473 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 41.448 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 41.448 ms
Loss rate: 1.71%
```

Run 2: Report of SCReAM — Data Link

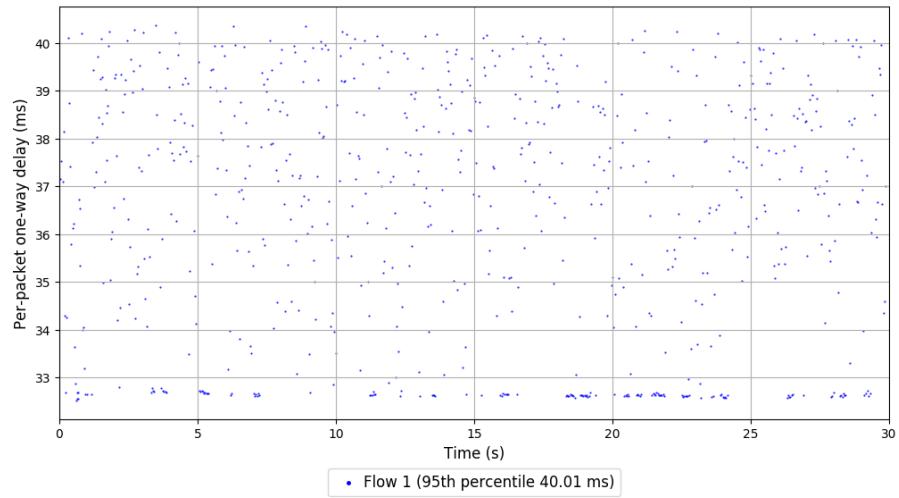
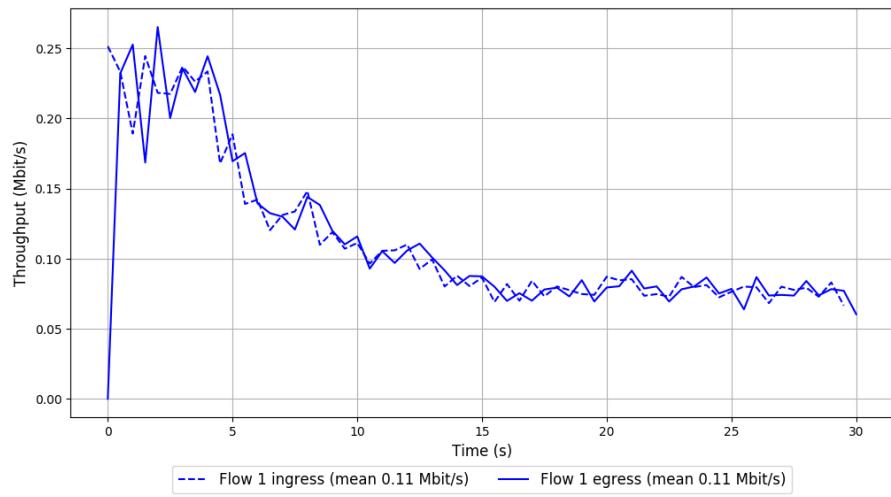


Run 3: Statistics of SCReAM

```
Start at: 2018-06-30 07:33:27
End at: 2018-06-30 07:33:57
Local clock offset: 1.151 ms
Remote clock offset: 4.487 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 40.006 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 40.006 ms
Loss rate: 0.99%
```

Run 3: Report of SCReAM — Data Link

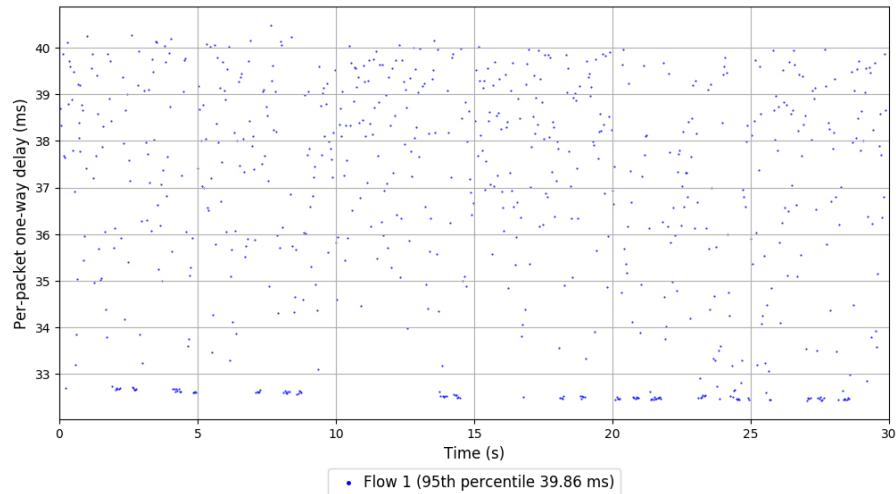
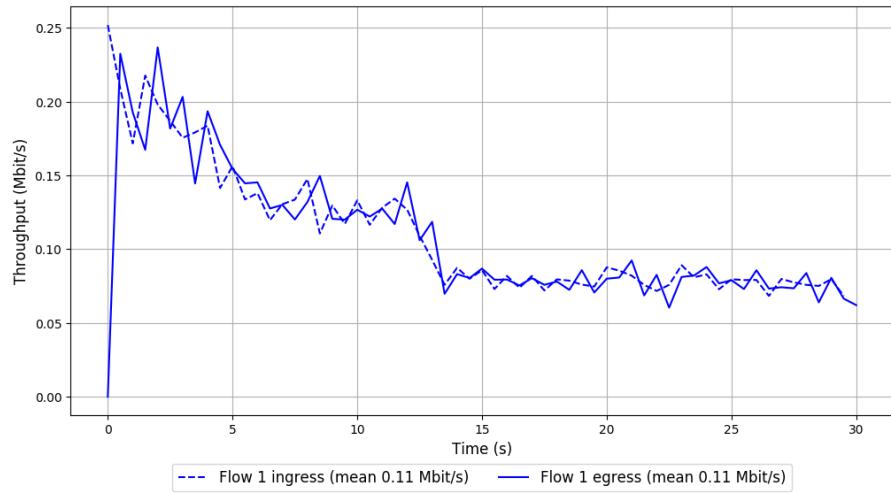


Run 4: Statistics of SCReAM

```
Start at: 2018-06-30 07:59:32
End at: 2018-06-30 08:00:02
Local clock offset: 1.142 ms
Remote clock offset: 3.611 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 39.860 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 39.860 ms
Loss rate: 1.54%
```

Run 4: Report of SCReAM — Data Link

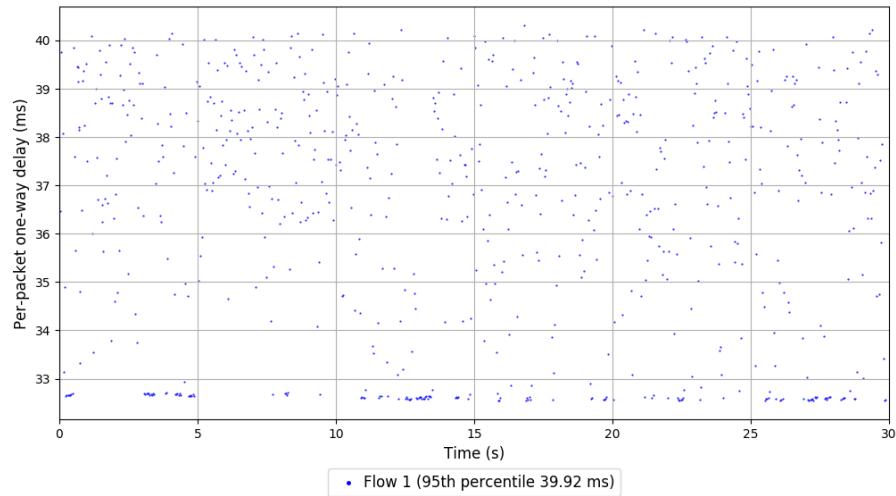
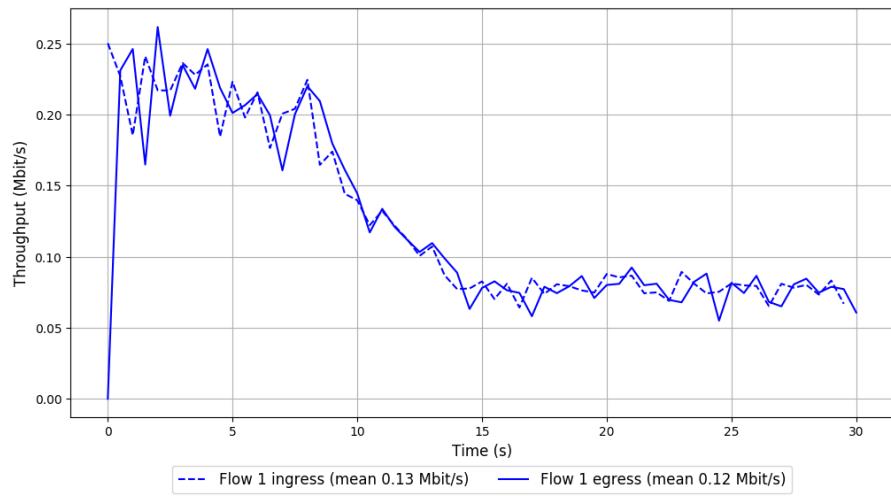


Run 5: Statistics of SCReAM

```
Start at: 2018-06-30 08:25:17
End at: 2018-06-30 08:25:47
Local clock offset: 0.802 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 39.918 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 39.918 ms
Loss rate: 1.65%
```

Run 5: Report of SCReAM — Data Link

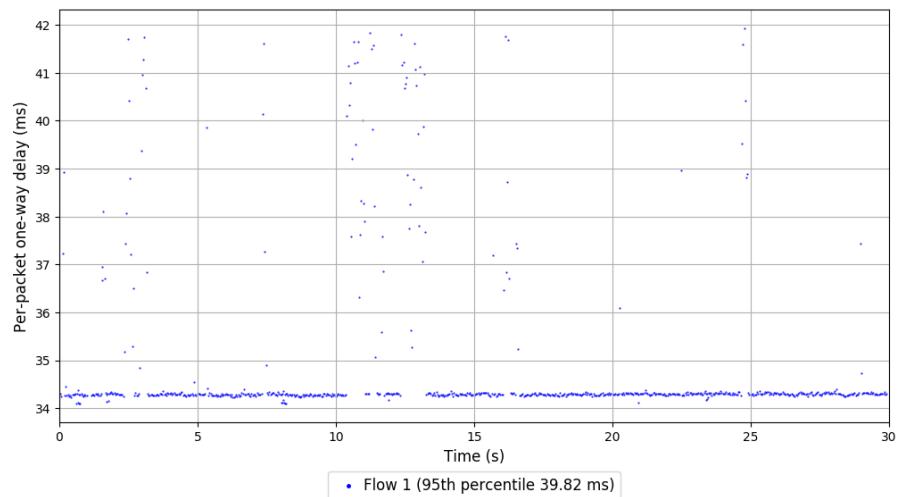
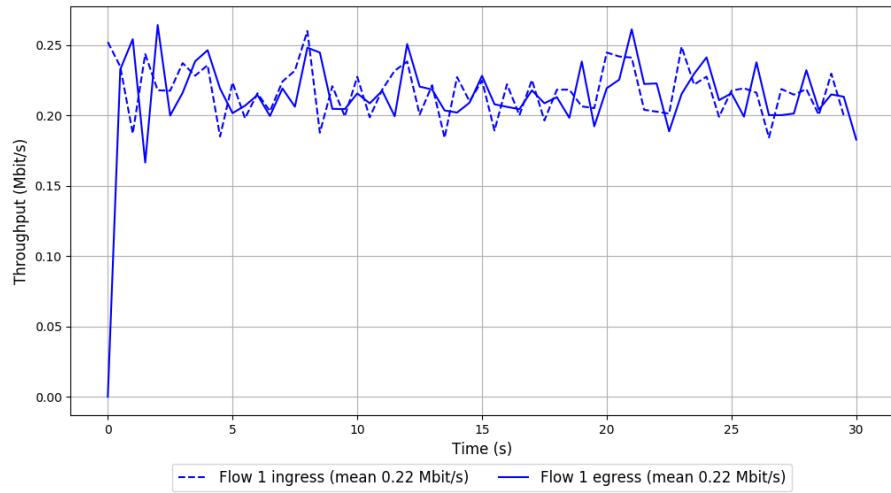


Run 6: Statistics of SCReAM

```
Start at: 2018-06-30 08:50:32
End at: 2018-06-30 08:51:02
Local clock offset: 0.566 ms
Remote clock offset: 0.968 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.817 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.817 ms
Loss rate: 0.26%
```

Run 6: Report of SCReAM — Data Link

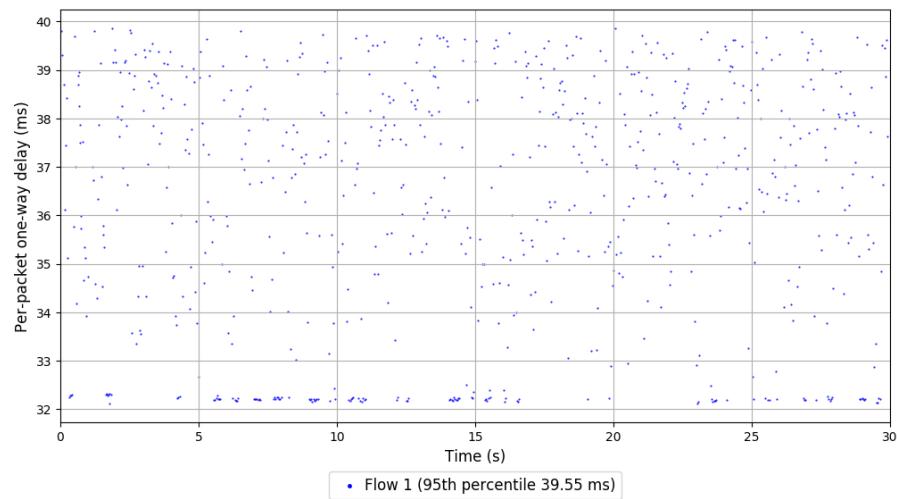
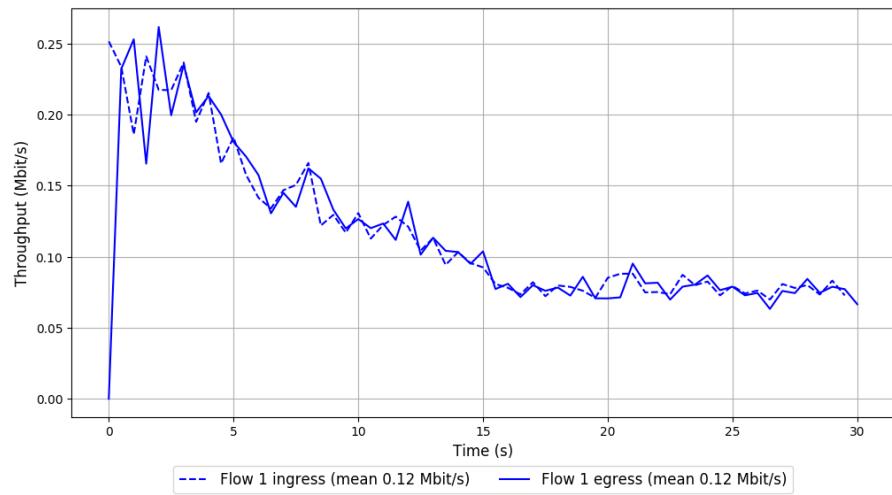


Run 7: Statistics of SCReAM

```
Start at: 2018-06-30 09:16:24
End at: 2018-06-30 09:16:54
Local clock offset: 0.226 ms
Remote clock offset: 2.424 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 39.554 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 39.554 ms
Loss rate: 1.33%
```

Run 7: Report of SCReAM — Data Link

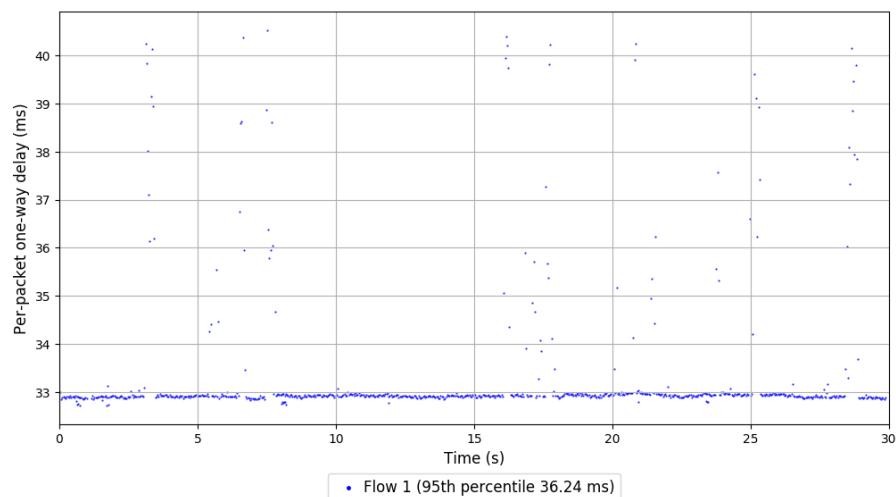
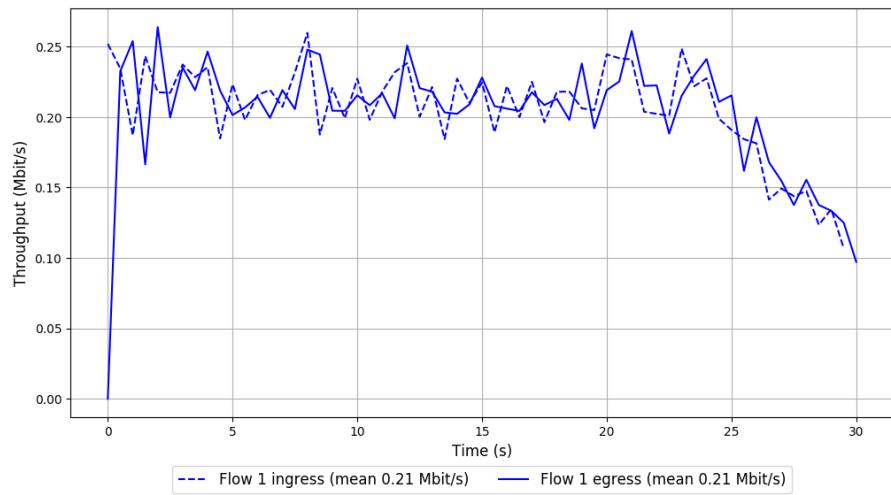


Run 8: Statistics of SCReAM

```
Start at: 2018-06-30 09:39:47
End at: 2018-06-30 09:40:17
Local clock offset: 0.271 ms
Remote clock offset: 3.966 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.238 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.238 ms
Loss rate: 0.26%
```

Run 8: Report of SCReAM — Data Link

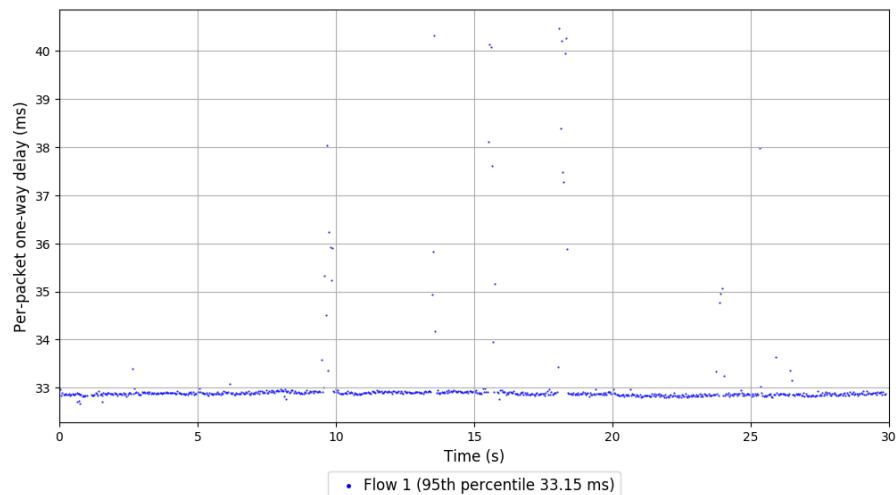
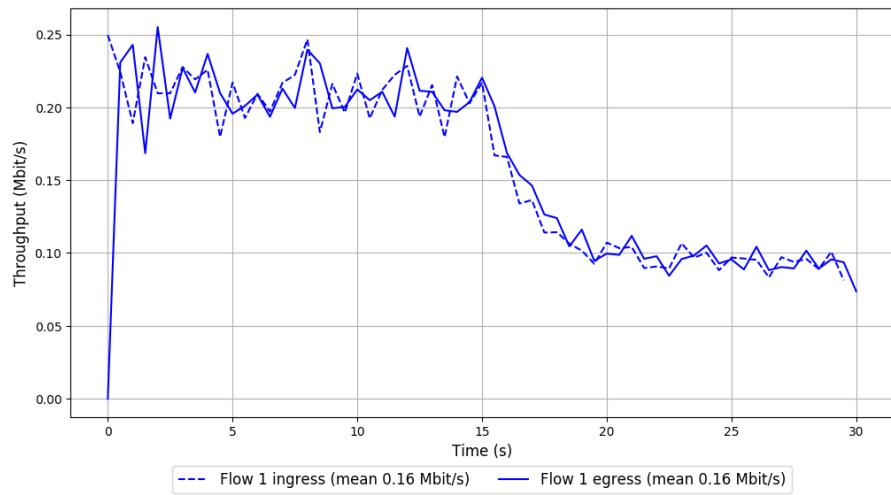


Run 9: Statistics of SCReAM

```
Start at: 2018-06-30 10:02:35
End at: 2018-06-30 10:03:05
Local clock offset: 0.292 ms
Remote clock offset: 6.464 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 33.153 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 33.153 ms
Loss rate: 0.31%
```

Run 9: Report of SCReAM — Data Link

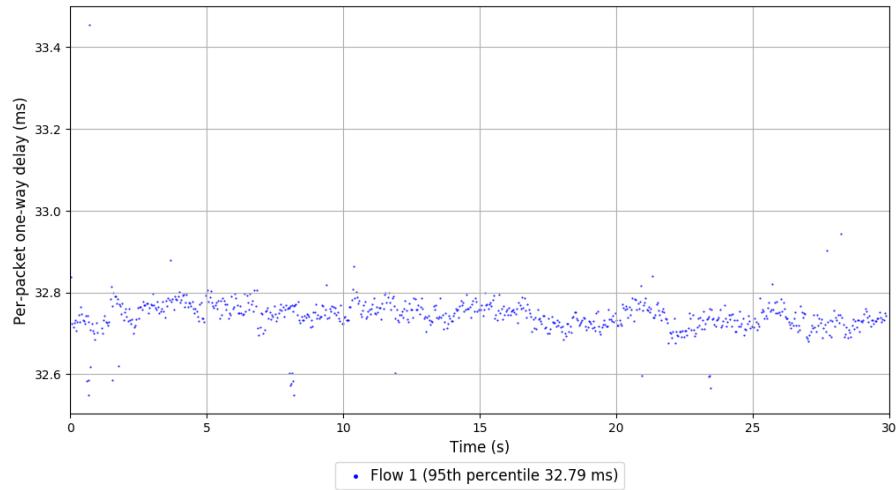
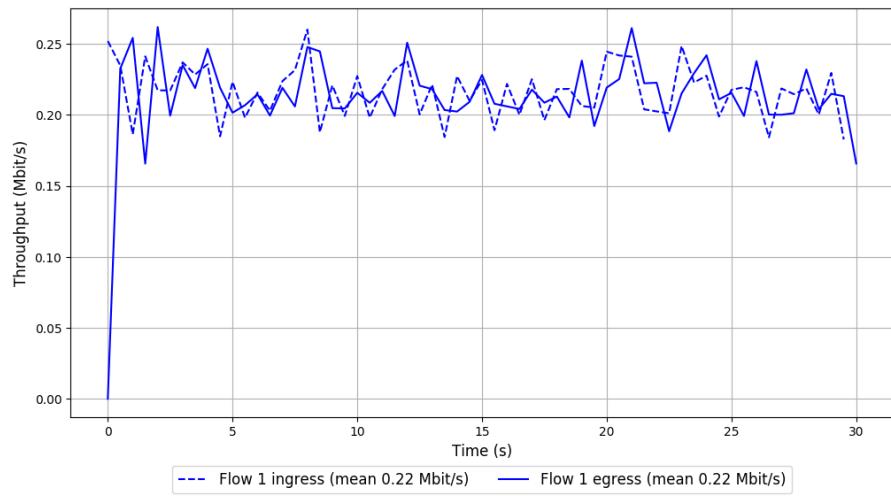


Run 10: Statistics of SCReAM

```
Start at: 2018-06-30 10:25:32
End at: 2018-06-30 10:26:02
Local clock offset: 0.219 ms
Remote clock offset: 5.042 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.791 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.791 ms
Loss rate: 0.26%
```

Run 10: Report of SCReAM — Data Link

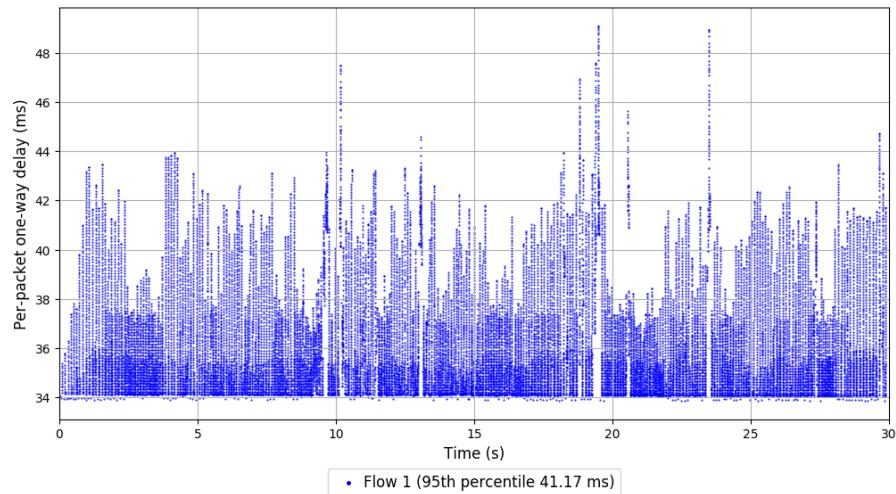
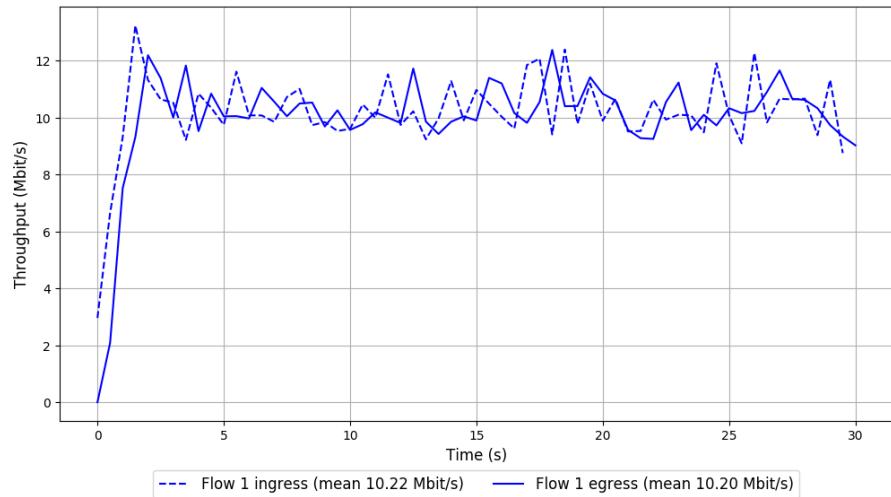


Run 1: Statistics of Sprout

```
Start at: 2018-06-30 06:50:46
End at: 2018-06-30 06:51:16
Local clock offset: 0.578 ms
Remote clock offset: 4.956 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 41.174 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 41.174 ms
Loss rate: 0.41%
```

Run 1: Report of Sprout — Data Link

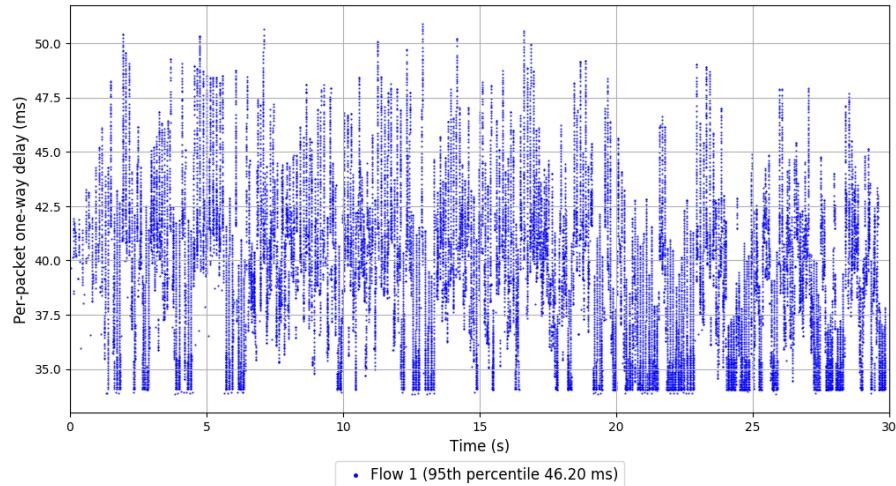
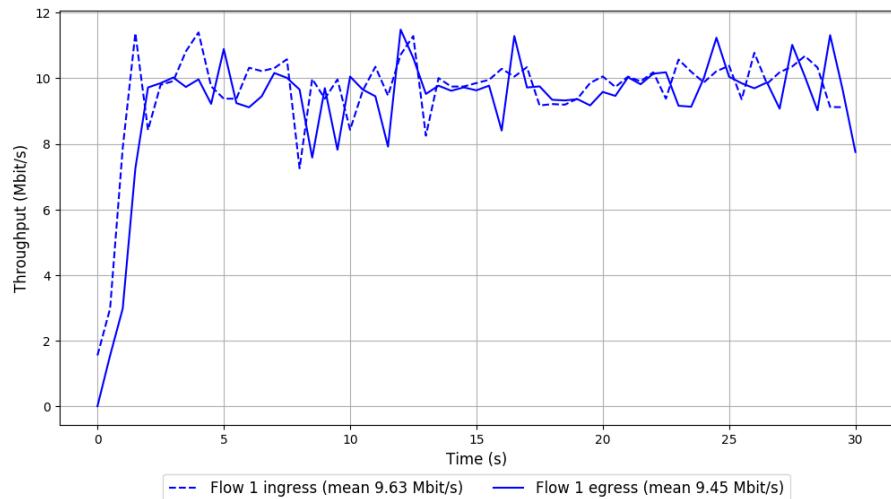


Run 2: Statistics of Sprout

```
Start at: 2018-06-30 07:16:09
End at: 2018-06-30 07:16:39
Local clock offset: 0.804 ms
Remote clock offset: 4.565 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 46.197 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 46.197 ms
Loss rate: 2.13%
```

Run 2: Report of Sprout — Data Link

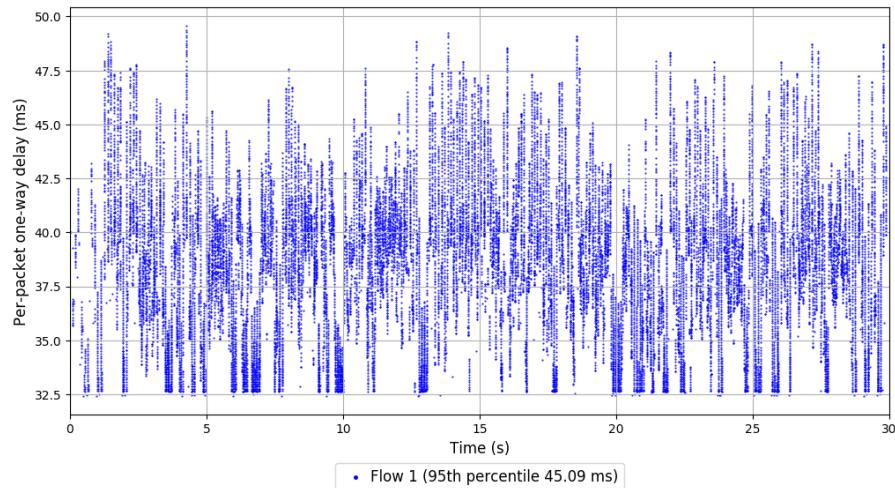
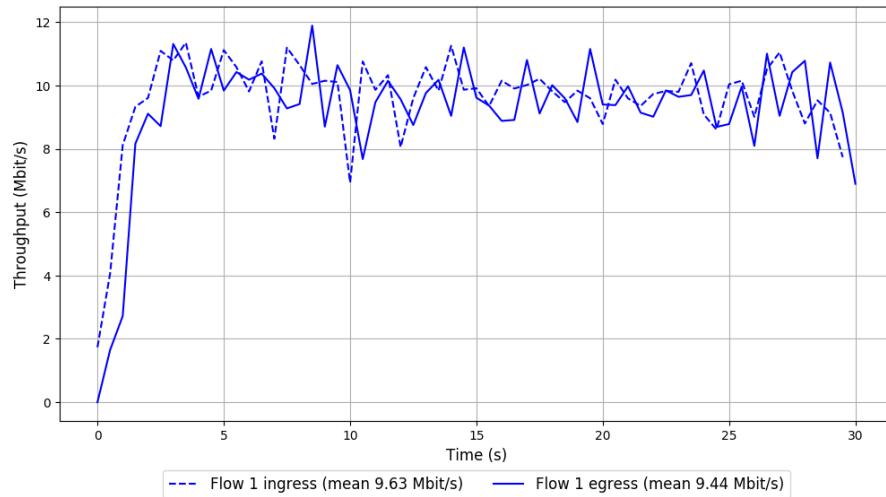


Run 3: Statistics of Sprout

```
Start at: 2018-06-30 07:41:58
End at: 2018-06-30 07:42:28
Local clock offset: 1.161 ms
Remote clock offset: 4.662 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 45.089 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 45.089 ms
Loss rate: 2.04%
```

Run 3: Report of Sprout — Data Link

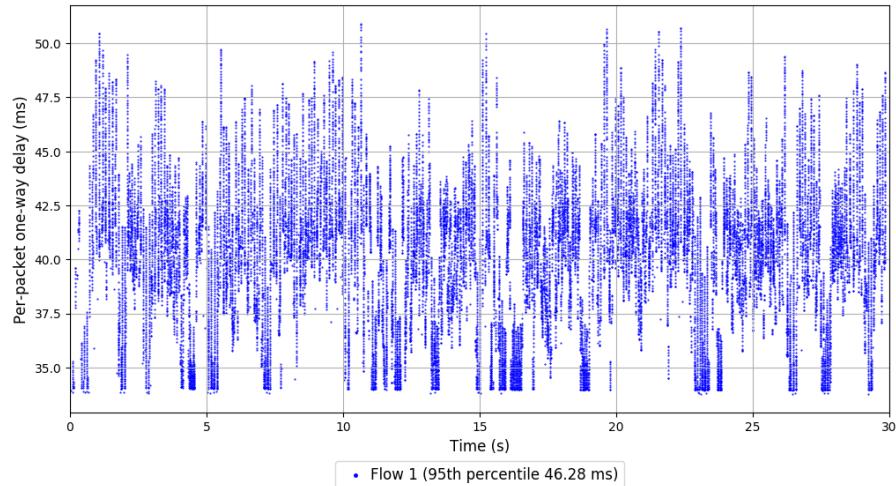
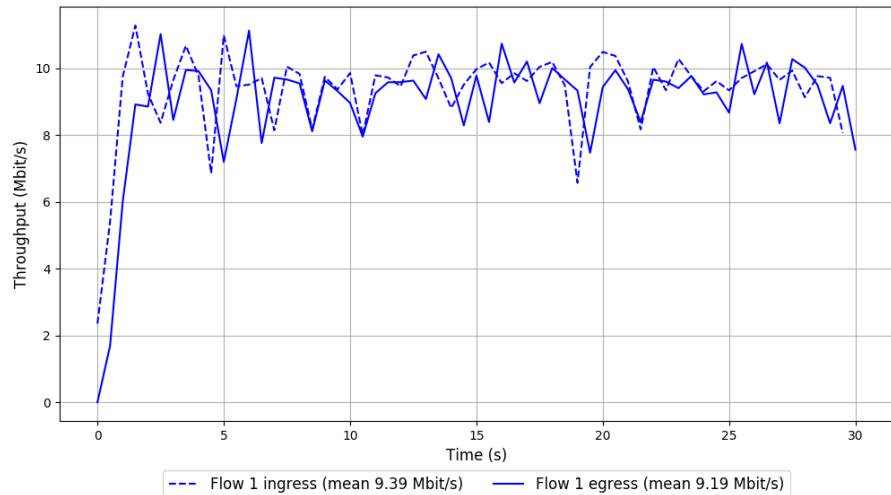


Run 4: Statistics of Sprout

```
Start at: 2018-06-30 08:08:17
End at: 2018-06-30 08:08:47
Local clock offset: 1.106 ms
Remote clock offset: 1.647 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 46.285 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 46.285 ms
Loss rate: 2.42%
```

Run 4: Report of Sprout — Data Link

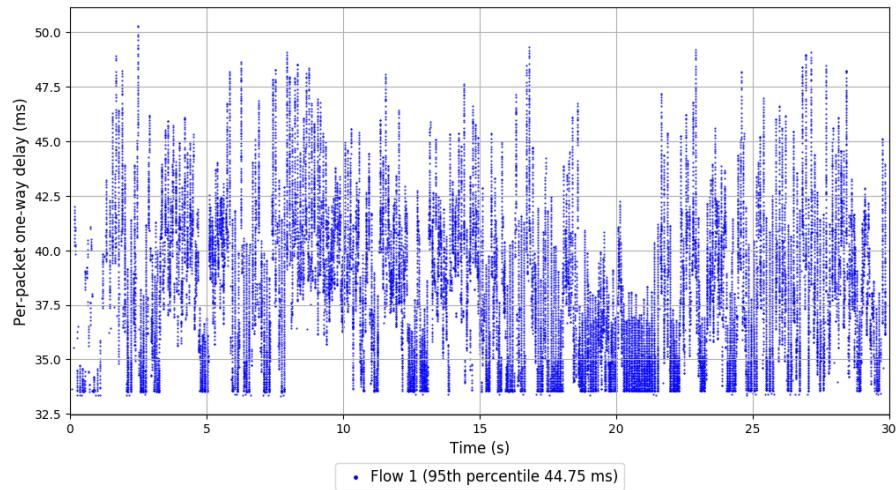
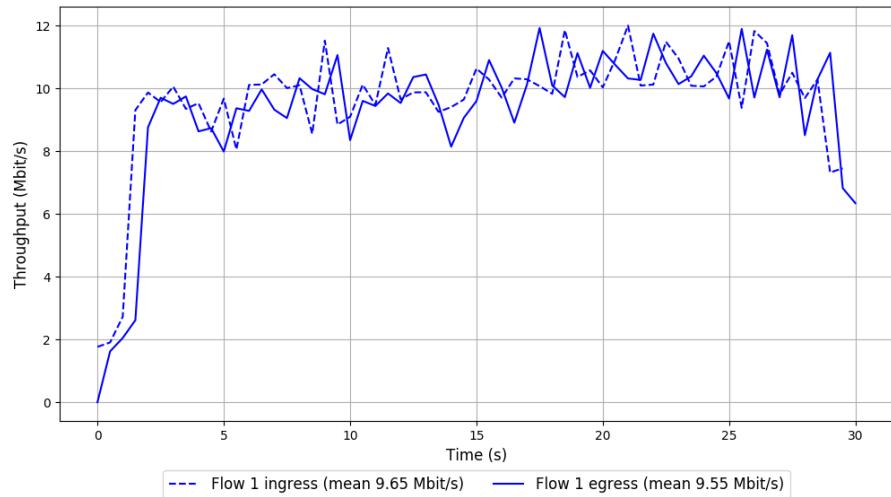


Run 5: Statistics of Sprout

```
Start at: 2018-06-30 08:33:38
End at: 2018-06-30 08:34:08
Local clock offset: 0.818 ms
Remote clock offset: -0.642 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 44.754 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 44.754 ms
Loss rate: 1.51%
```

Run 5: Report of Sprout — Data Link

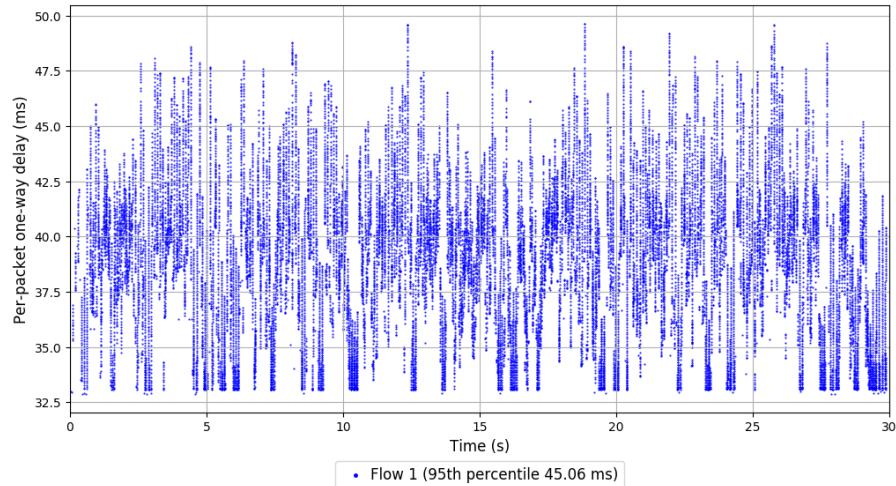
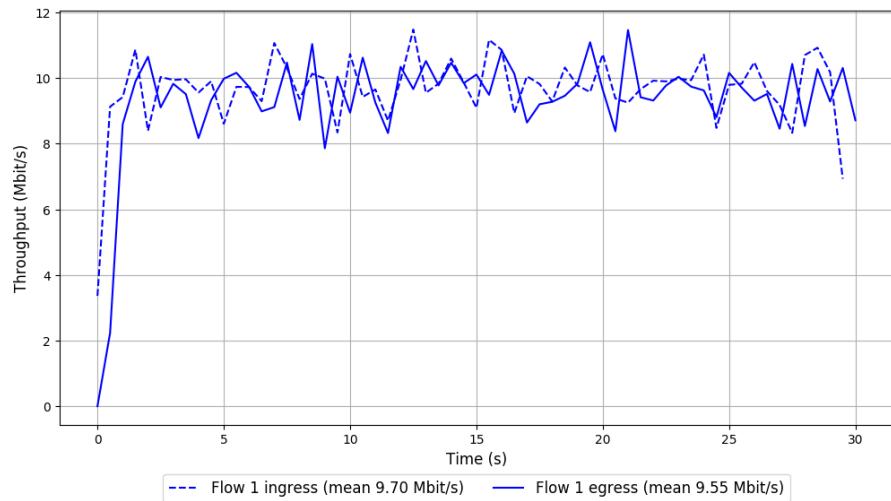


Run 6: Statistics of Sprout

```
Start at: 2018-06-30 08:58:38
End at: 2018-06-30 08:59:08
Local clock offset: 0.325 ms
Remote clock offset: 0.968 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 45.056 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 45.056 ms
Loss rate: 1.64%
```

Run 6: Report of Sprout — Data Link

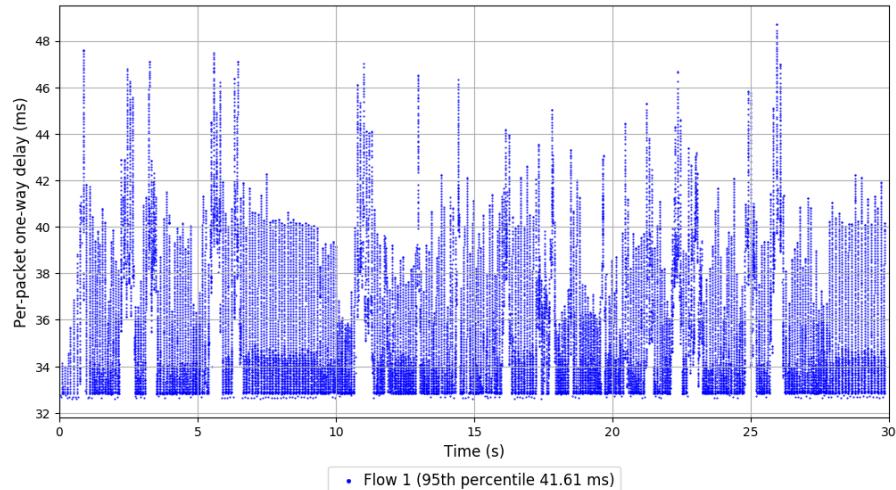
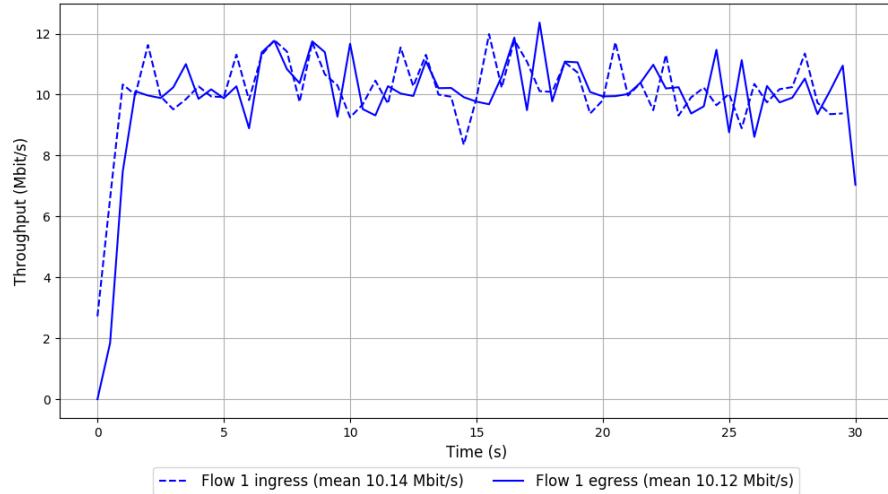


Run 7: Statistics of Sprout

```
Start at: 2018-06-30 09:23:30
End at: 2018-06-30 09:24:00
Local clock offset: 0.304 ms
Remote clock offset: 2.45 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 41.614 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 41.614 ms
Loss rate: 0.60%
```

Run 7: Report of Sprout — Data Link

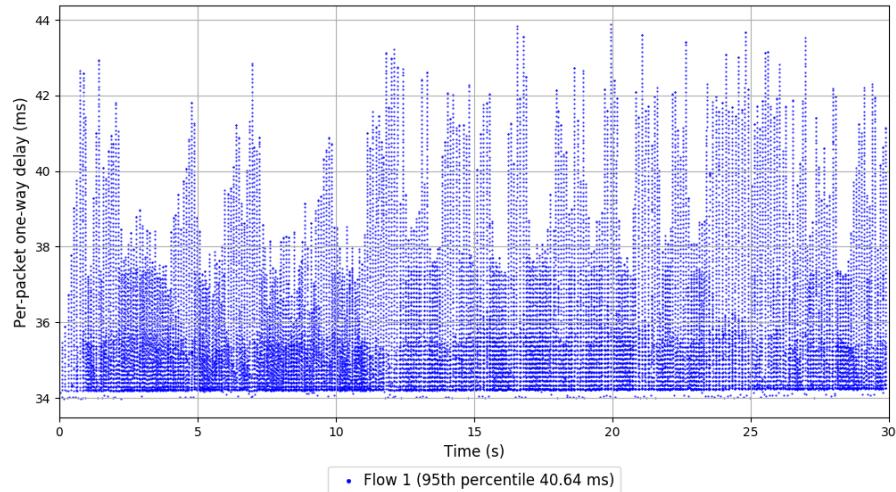
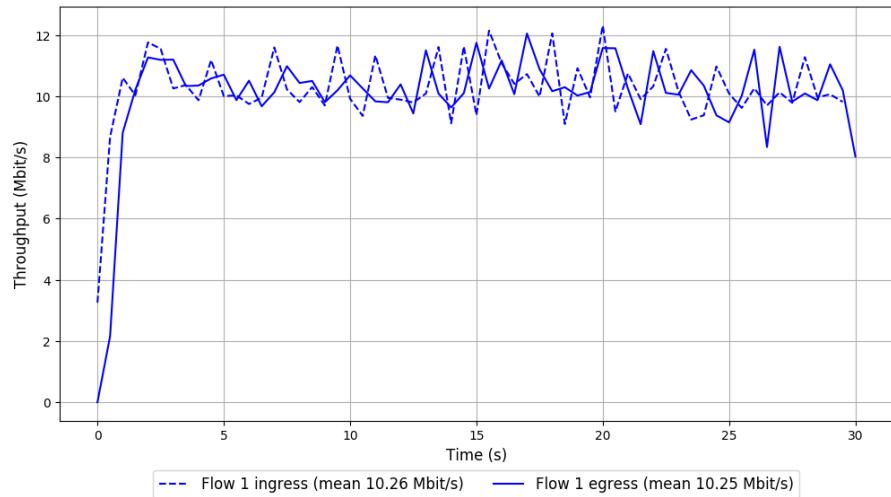


Run 8: Statistics of Sprout

```
Start at: 2018-06-30 09:46:36
End at: 2018-06-30 09:47:06
Local clock offset: 0.257 ms
Remote clock offset: 4.79 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 40.641 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 40.641 ms
Loss rate: 0.32%
```

Run 8: Report of Sprout — Data Link

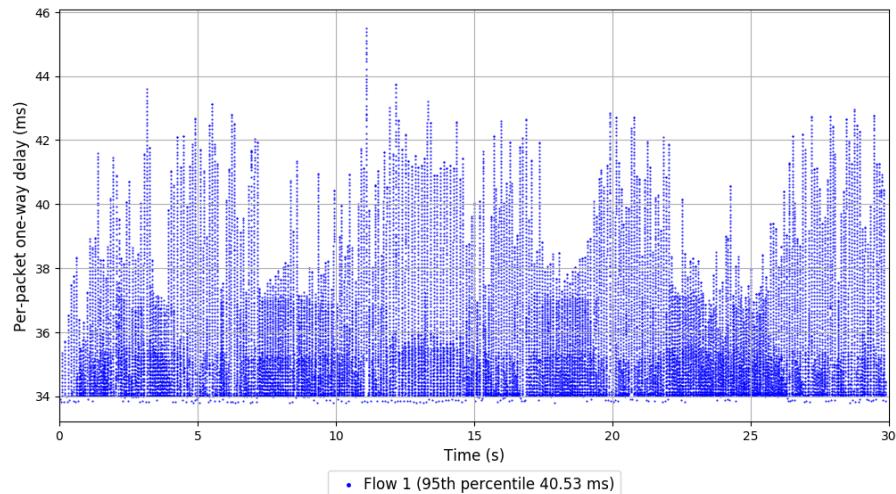
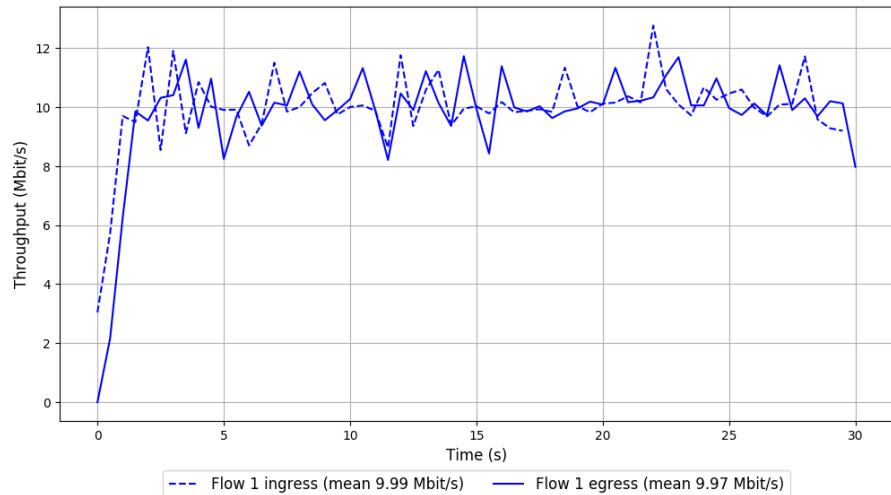


Run 9: Statistics of Sprout

```
Start at: 2018-06-30 10:09:26
End at: 2018-06-30 10:09:56
Local clock offset: 0.173 ms
Remote clock offset: 7.229 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 40.531 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 40.531 ms
Loss rate: 0.30%
```

Run 9: Report of Sprout — Data Link

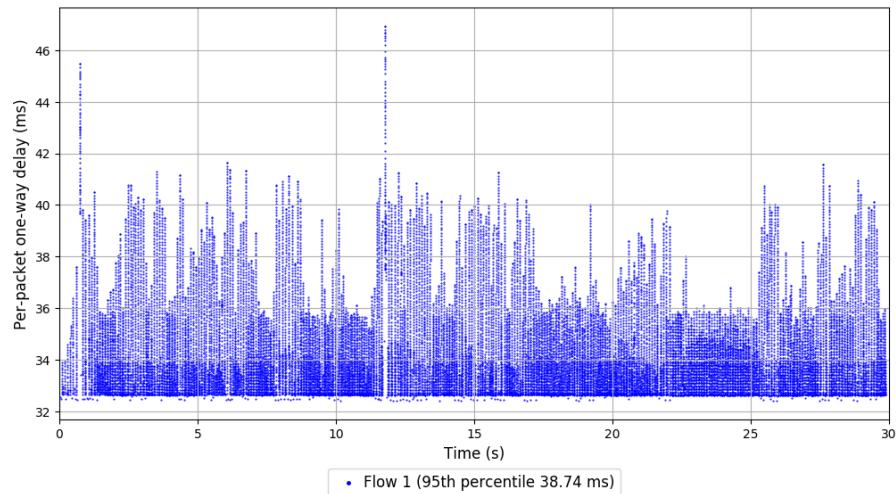
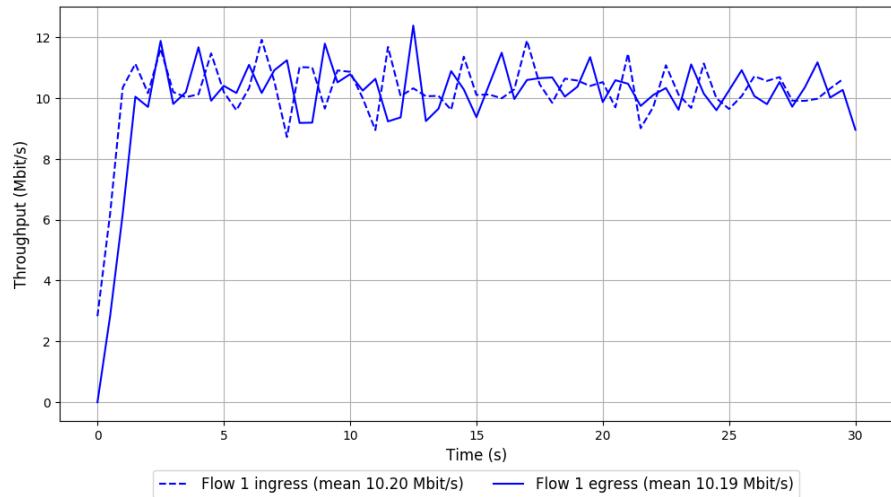


Run 10: Statistics of Sprout

```
Start at: 2018-06-30 10:32:18
End at: 2018-06-30 10:32:48
Local clock offset: 0.228 ms
Remote clock offset: 4.674 ms

# Below is generated by plot.py at 2018-06-30 10:47:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 38.742 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 38.742 ms
Loss rate: 0.31%
```

Run 10: Report of Sprout — Data Link

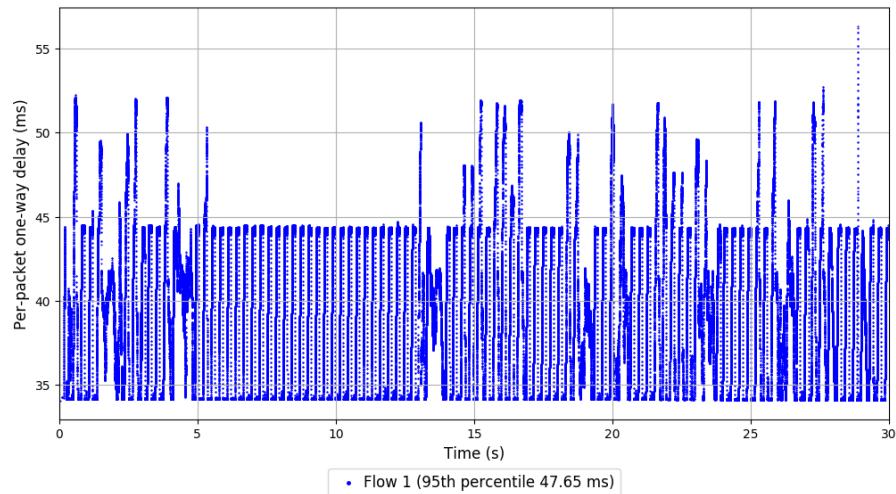
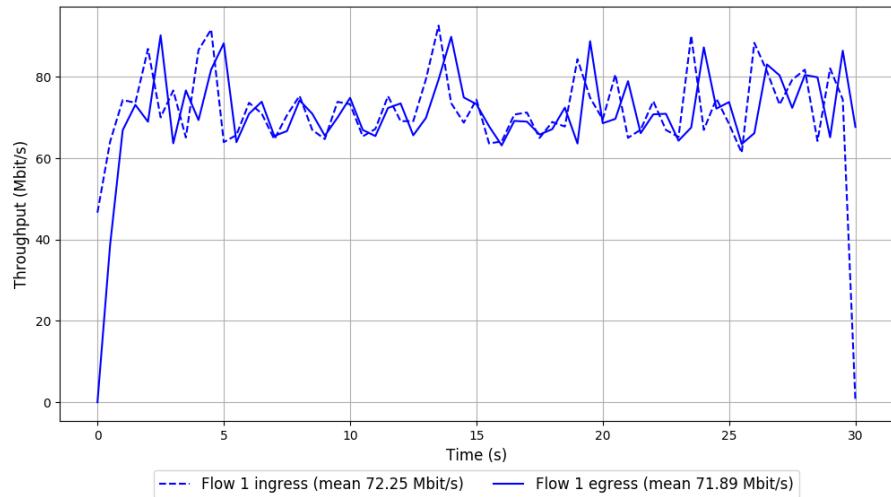


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-30 06:48:04
End at: 2018-06-30 06:48:34
Local clock offset: 0.437 ms
Remote clock offset: 5.073 ms

# Below is generated by plot.py at 2018-06-30 10:48:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 47.647 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 47.647 ms
Loss rate: 0.74%
```

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

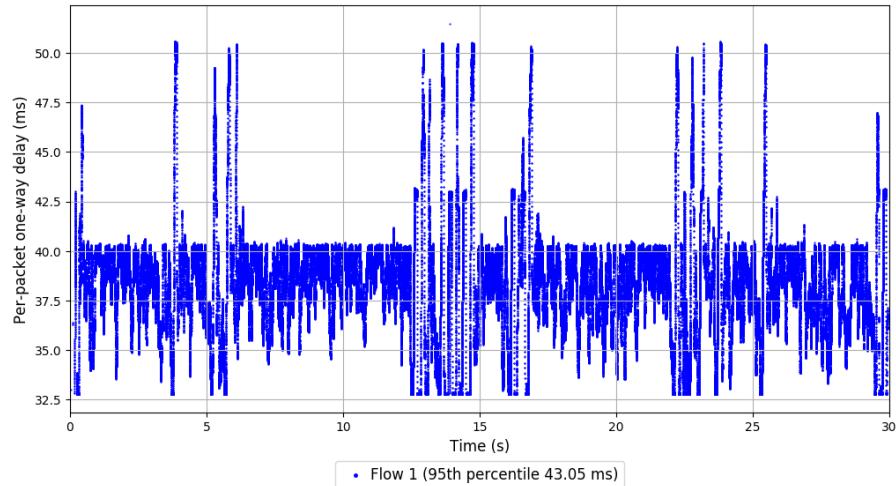
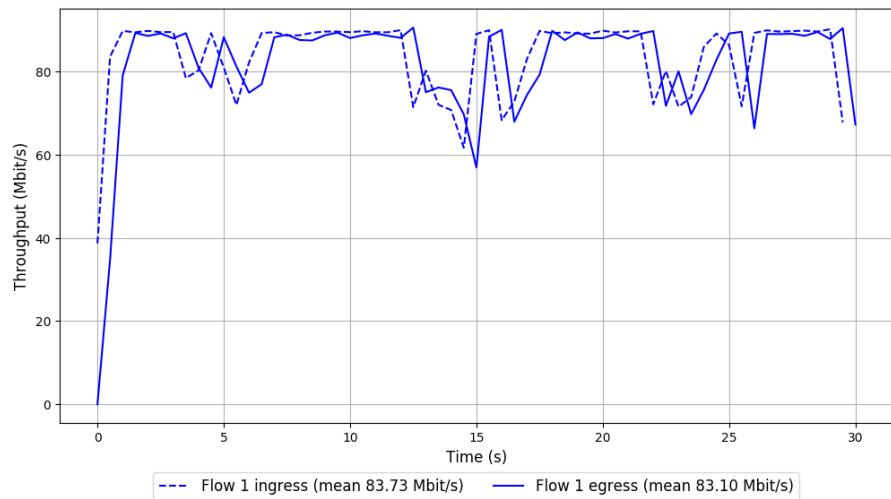


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-30 07:12:12
End at: 2018-06-30 07:12:42
Local clock offset: 0.792 ms
Remote clock offset: 4.398 ms

# Below is generated by plot.py at 2018-06-30 10:48:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.10 Mbit/s
95th percentile per-packet one-way delay: 43.046 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 83.10 Mbit/s
95th percentile per-packet one-way delay: 43.046 ms
Loss rate: 0.98%
```

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

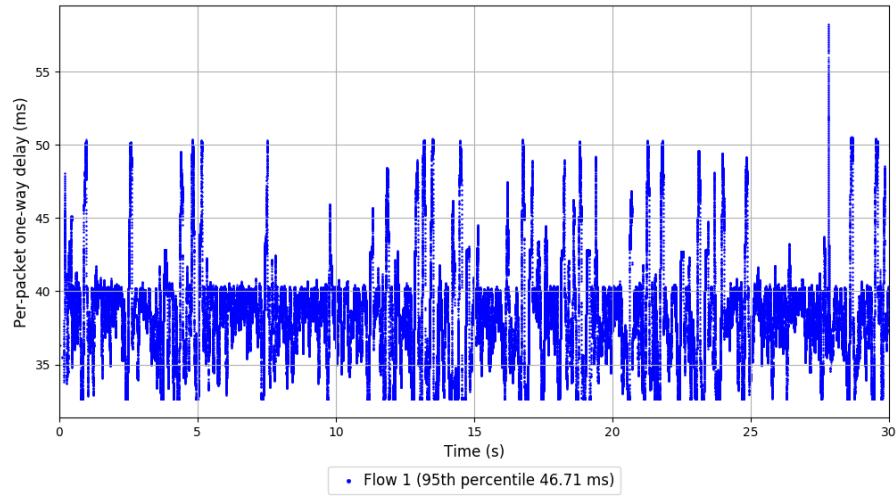
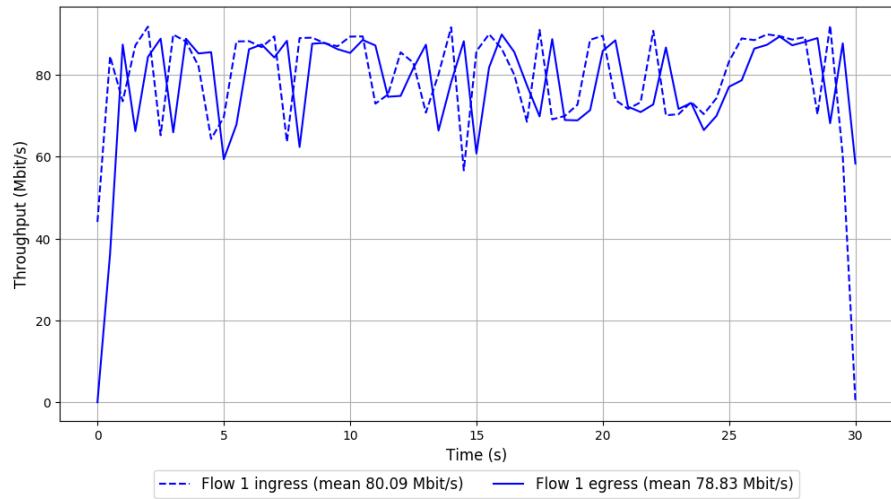


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-30 07:37:25
End at: 2018-06-30 07:37:55
Local clock offset: 1.162 ms
Remote clock offset: 4.516 ms

# Below is generated by plot.py at 2018-06-30 10:48:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 46.707 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 46.707 ms
Loss rate: 1.81%
```

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

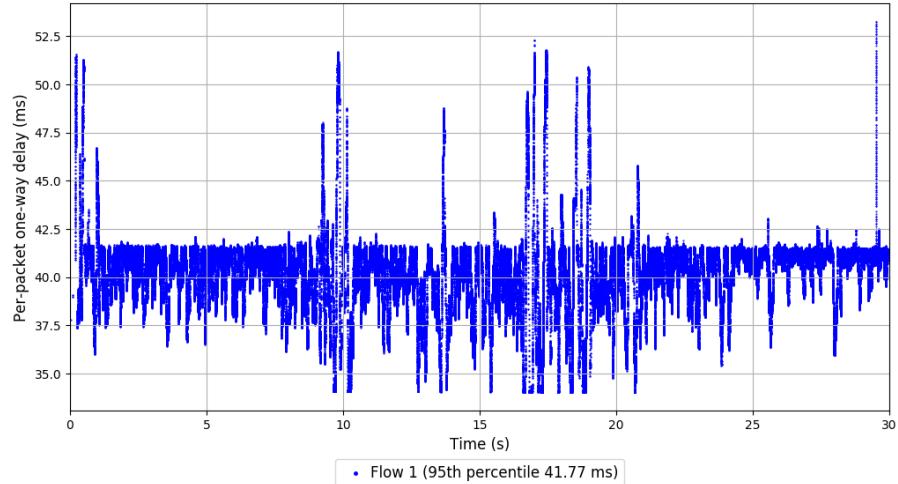
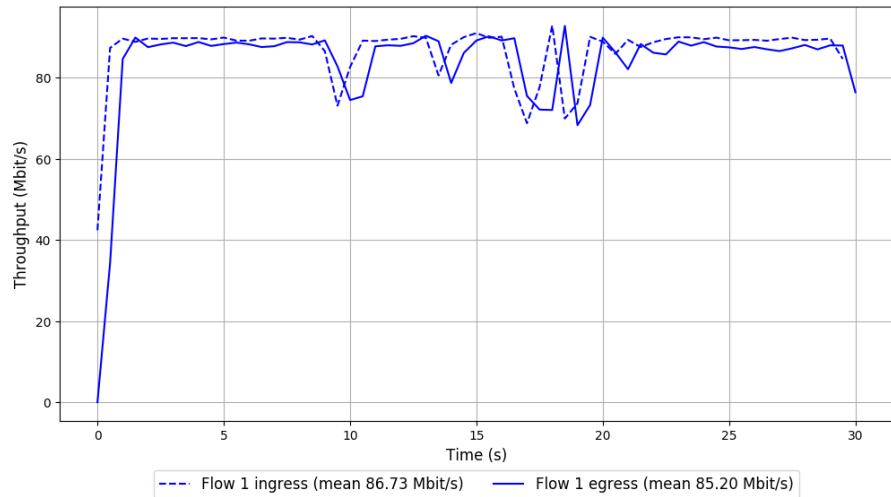


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-30 08:03:43
End at: 2018-06-30 08:04:13
Local clock offset: 1.116 ms
Remote clock offset: 2.402 ms

# Below is generated by plot.py at 2018-06-30 10:48:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 41.766 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 41.766 ms
Loss rate: 2.01%
```

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

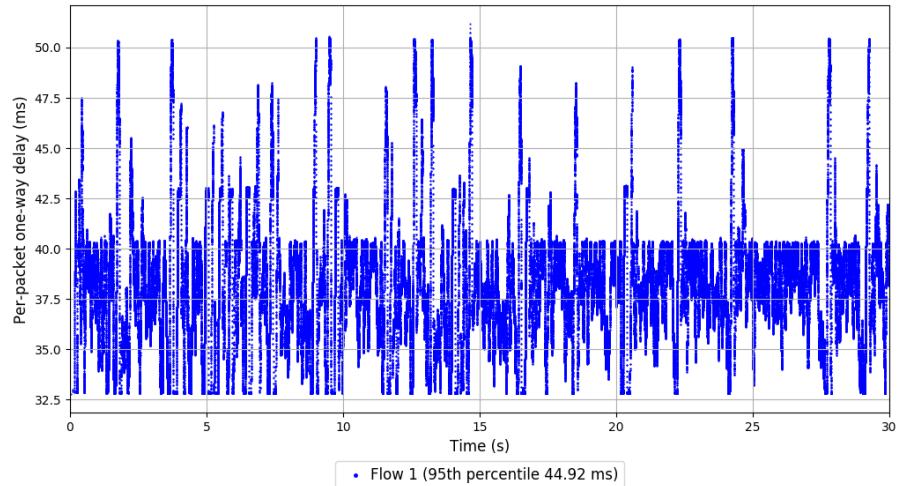
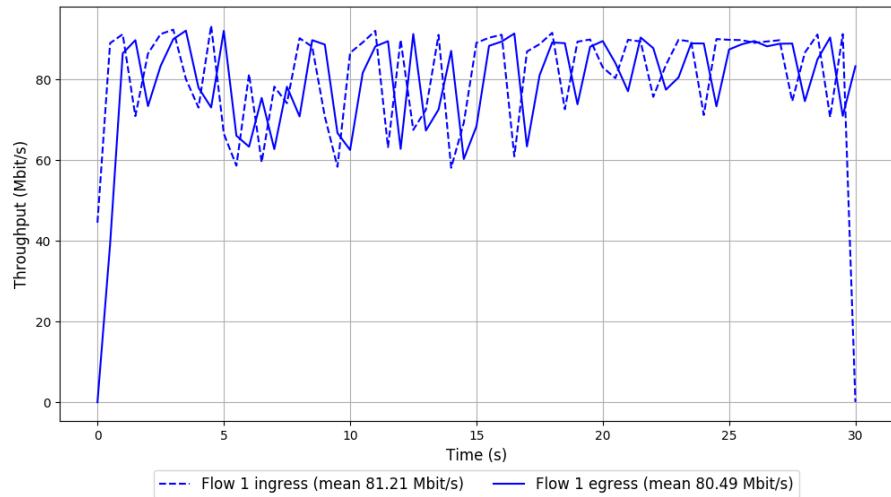


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-30 08:29:33
End at: 2018-06-30 08:30:03
Local clock offset: 0.841 ms
Remote clock offset: -0.323 ms

# Below is generated by plot.py at 2018-06-30 10:48:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.49 Mbit/s
95th percentile per-packet one-way delay: 44.918 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 80.49 Mbit/s
95th percentile per-packet one-way delay: 44.918 ms
Loss rate: 1.11%
```

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

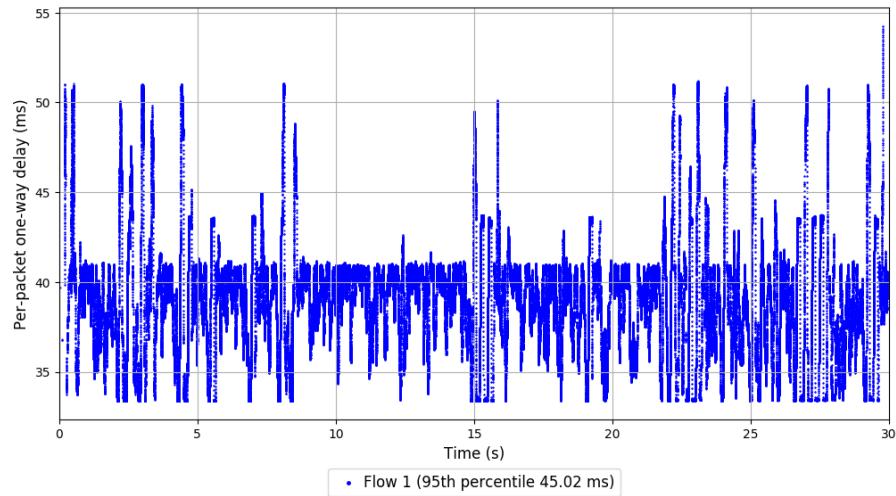
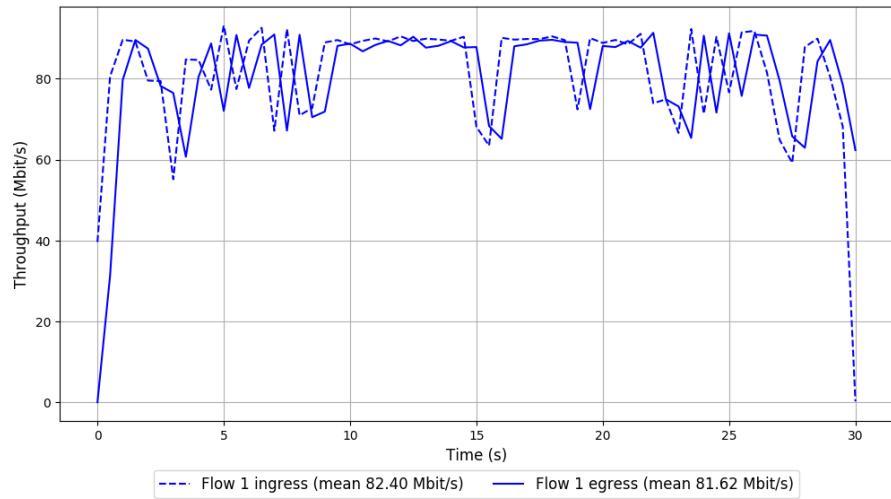


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-30 08:54:39
End at: 2018-06-30 08:55:09
Local clock offset: 0.482 ms
Remote clock offset: 0.617 ms

# Below is generated by plot.py at 2018-06-30 10:48:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: 45.017 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: 45.017 ms
Loss rate: 1.19%
```

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

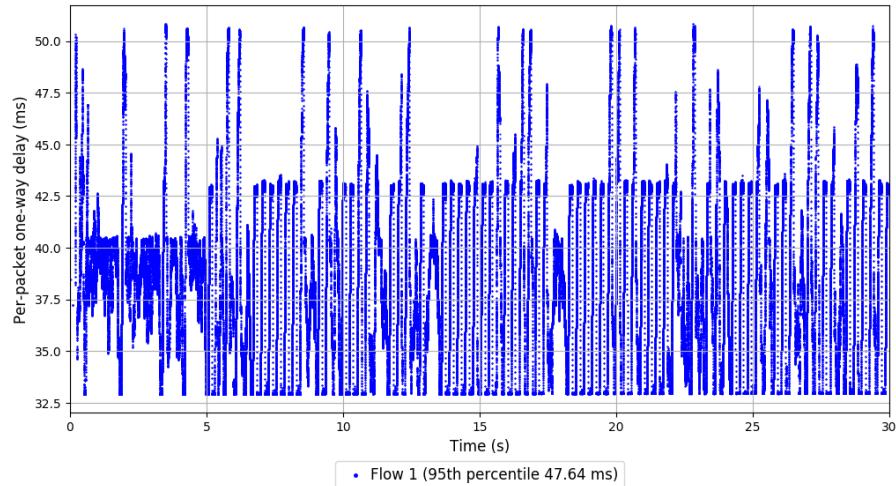
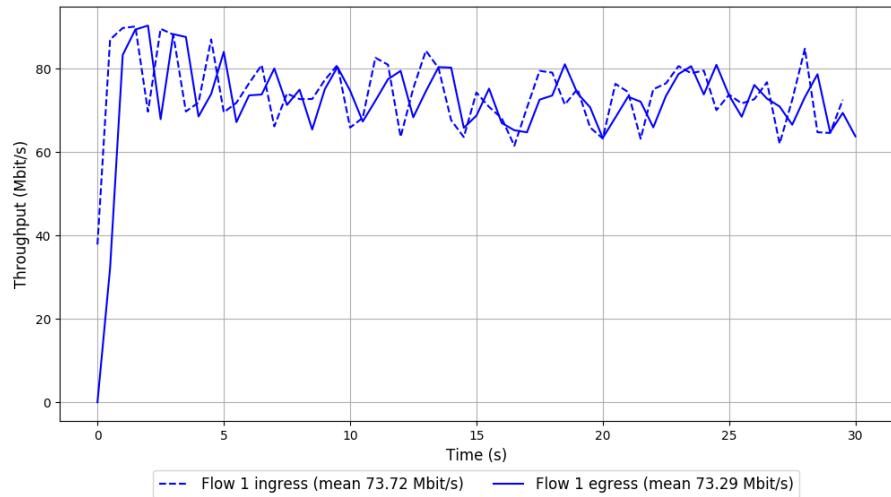


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-30 09:20:33
End at: 2018-06-30 09:21:03
Local clock offset: 0.281 ms
Remote clock offset: 2.144 ms

# Below is generated by plot.py at 2018-06-30 10:48:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.29 Mbit/s
95th percentile per-packet one-way delay: 47.638 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 73.29 Mbit/s
95th percentile per-packet one-way delay: 47.638 ms
Loss rate: 0.82%
```

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

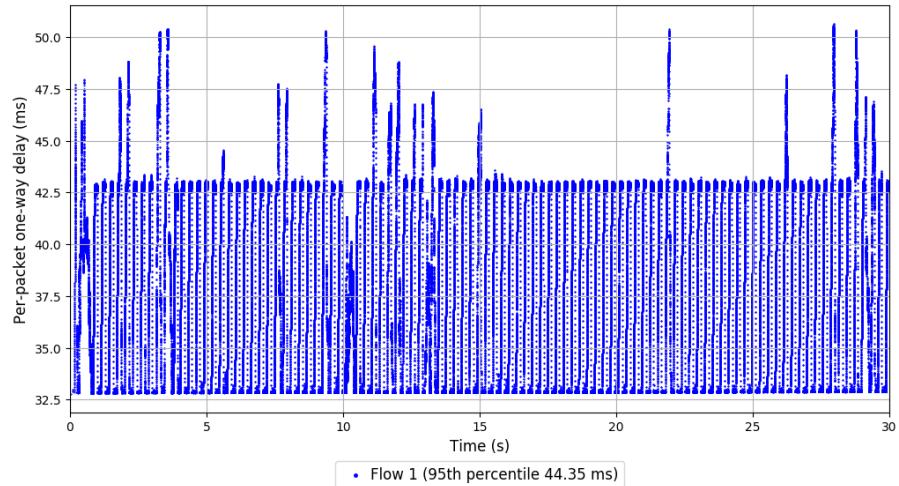
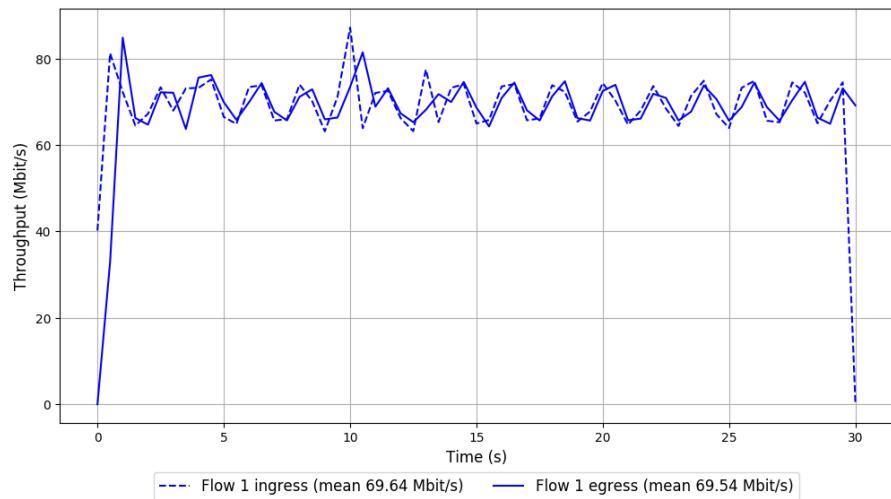


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-30 09:43:47
End at: 2018-06-30 09:44:17
Local clock offset: 0.249 ms
Remote clock offset: 4.359 ms

# Below is generated by plot.py at 2018-06-30 10:48:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.54 Mbit/s
95th percentile per-packet one-way delay: 44.351 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 69.54 Mbit/s
95th percentile per-packet one-way delay: 44.351 ms
Loss rate: 0.37%
```

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

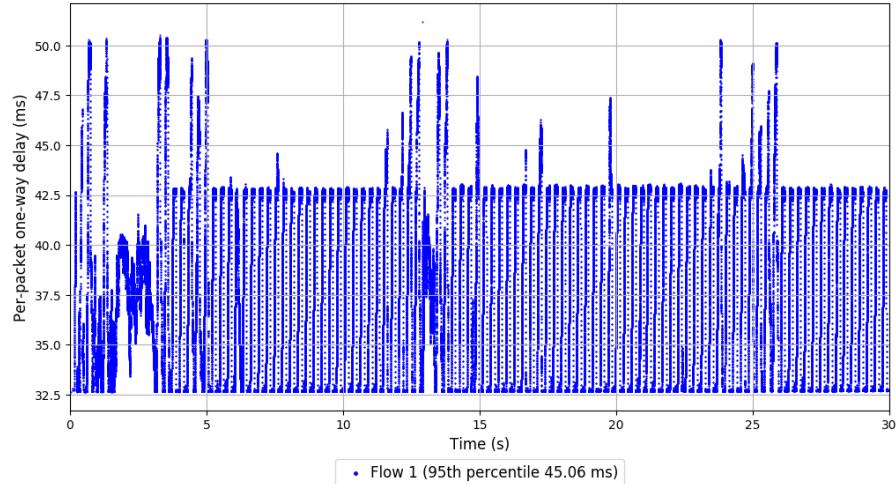
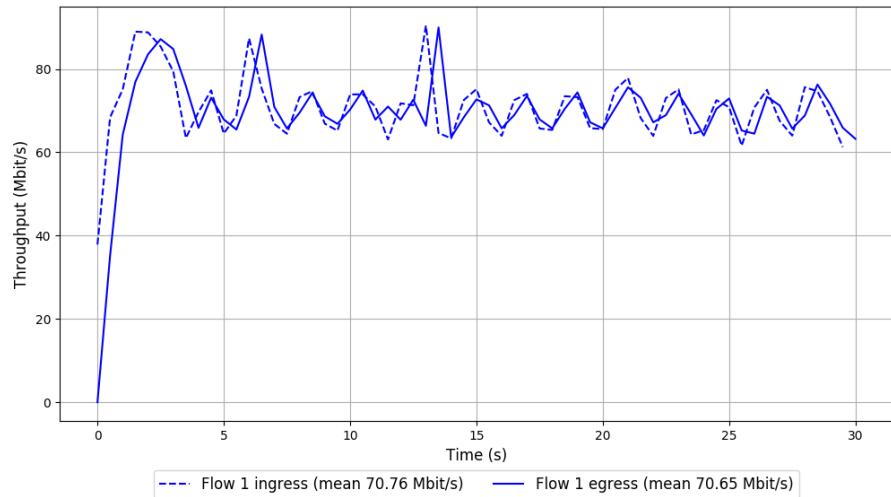


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-30 10:06:28
End at: 2018-06-30 10:06:58
Local clock offset: 0.179 ms
Remote clock offset: 6.926 ms

# Below is generated by plot.py at 2018-06-30 10:49:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.65 Mbit/s
95th percentile per-packet one-way delay: 45.059 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 70.65 Mbit/s
95th percentile per-packet one-way delay: 45.059 ms
Loss rate: 0.38%
```

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

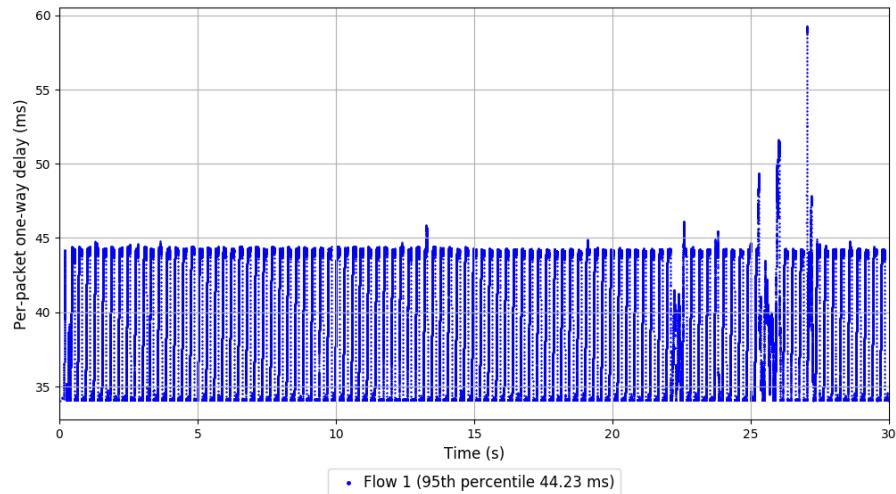
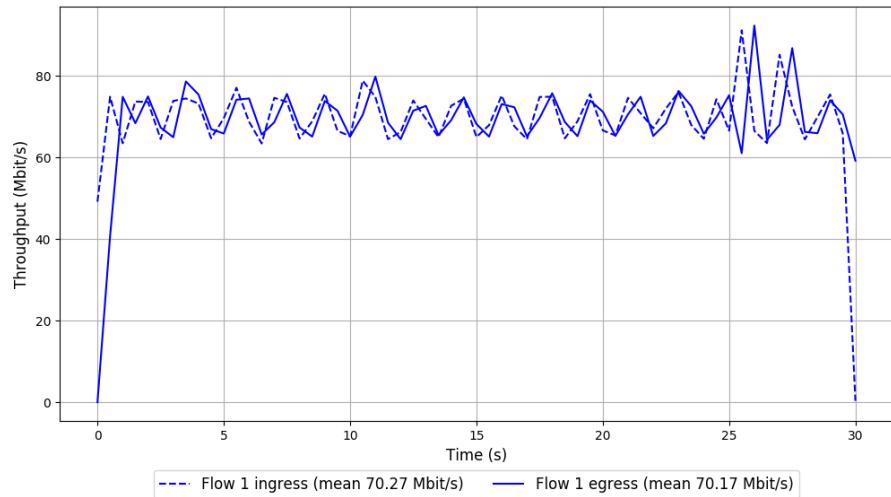


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-30 10:29:32
End at: 2018-06-30 10:30:02
Local clock offset: 0.293 ms
Remote clock offset: 4.747 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 44.233 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 44.233 ms
Loss rate: 0.38%
```

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

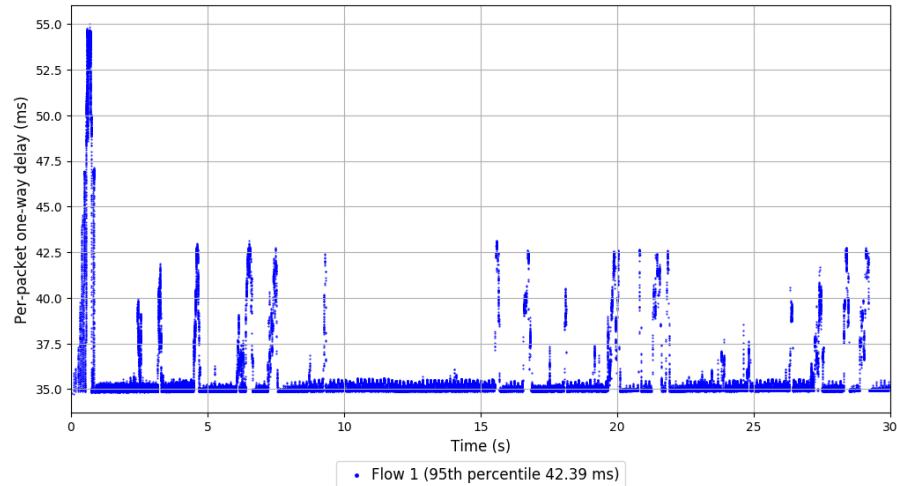
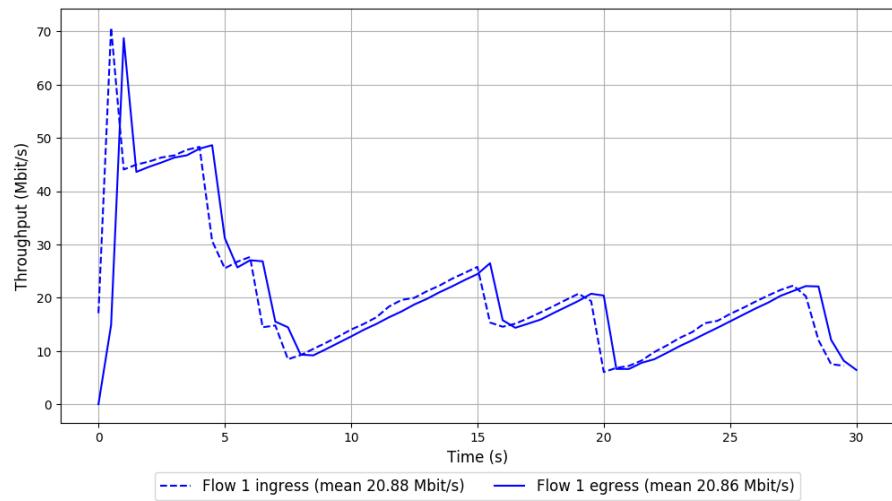


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-30 06:36:10
End at: 2018-06-30 06:36:40
Local clock offset: 0.68 ms
Remote clock offset: 3.999 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 42.389 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 42.389 ms
Loss rate: 0.36%
```

Run 1: Report of TCP Vegas — Data Link

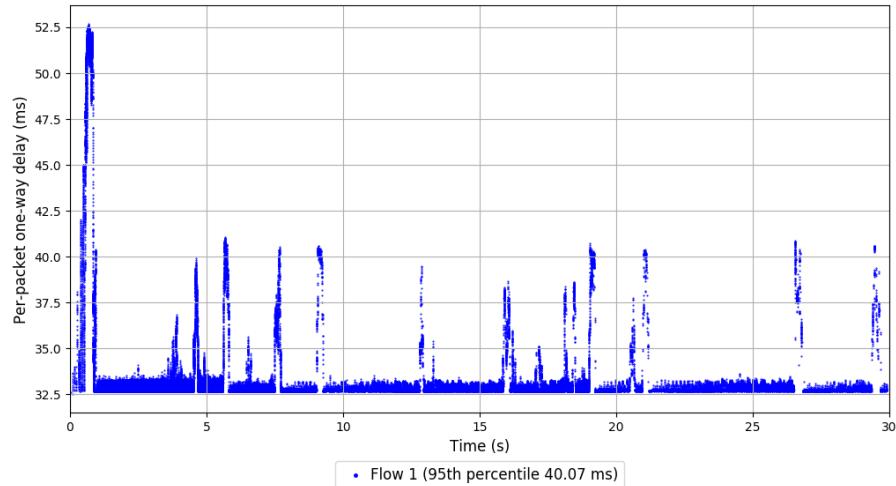
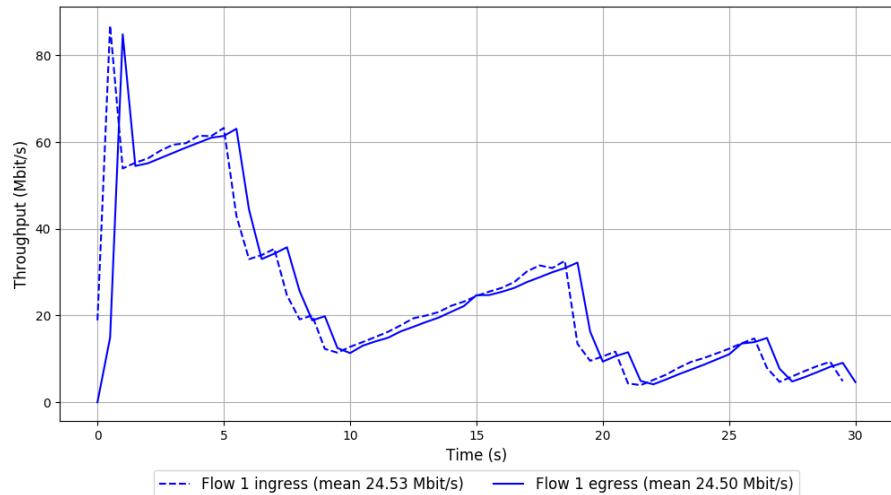


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-30 06:58:31
End at: 2018-06-30 06:59:01
Local clock offset: 0.667 ms
Remote clock offset: 4.494 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 40.067 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 40.067 ms
Loss rate: 0.34%
```

Run 2: Report of TCP Vegas — Data Link

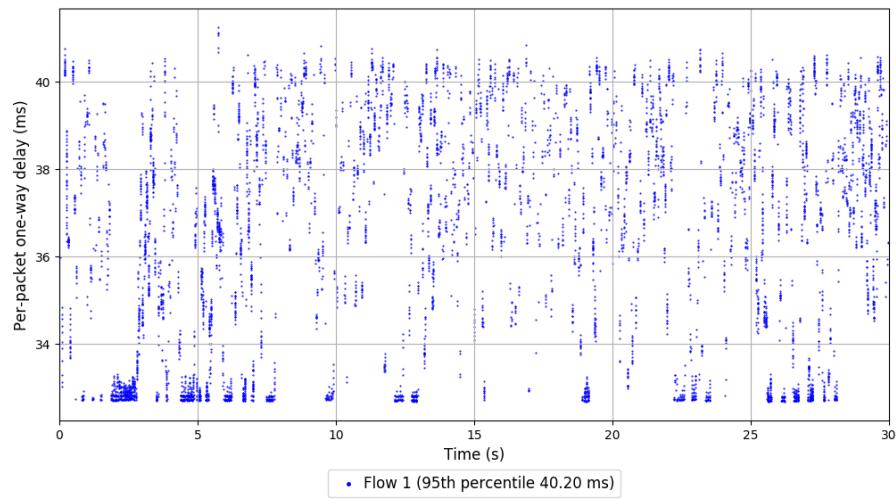
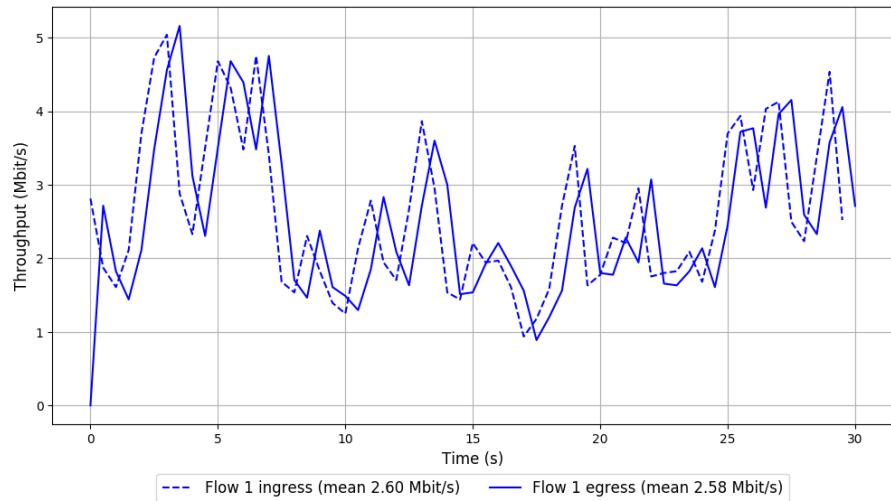


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-30 07:24:15
End at: 2018-06-30 07:24:45
Local clock offset: 1.011 ms
Remote clock offset: 4.672 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 40.201 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 40.201 ms
Loss rate: 1.14%
```

Run 3: Report of TCP Vegas — Data Link

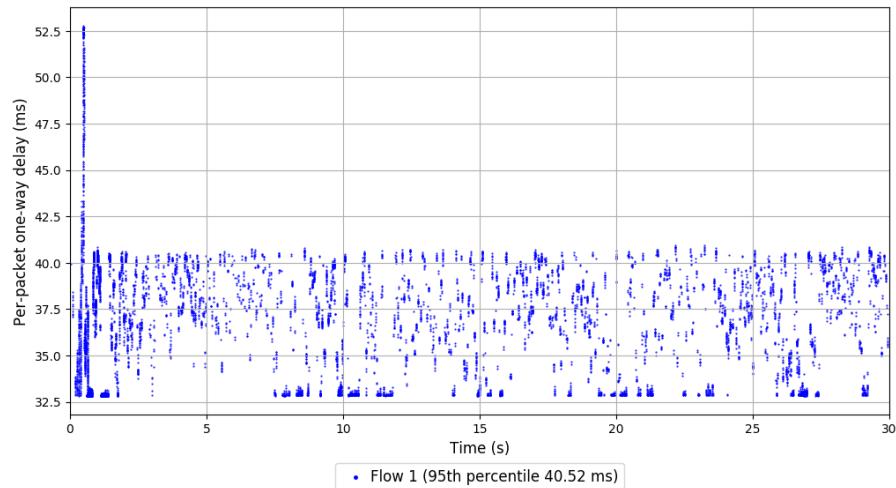
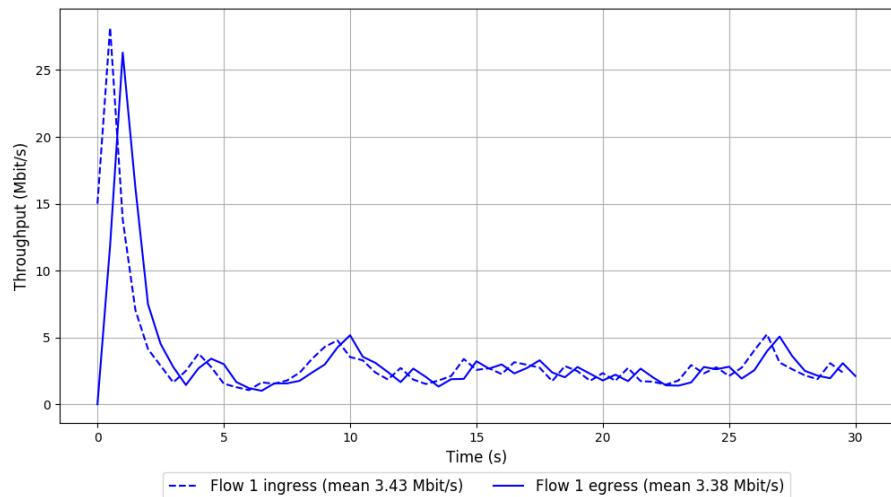


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-30 07:50:16
End at: 2018-06-30 07:50:46
Local clock offset: 1.207 ms
Remote clock offset: 4.673 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 40.525 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 40.525 ms
Loss rate: 1.72%
```

Run 4: Report of TCP Vegas — Data Link

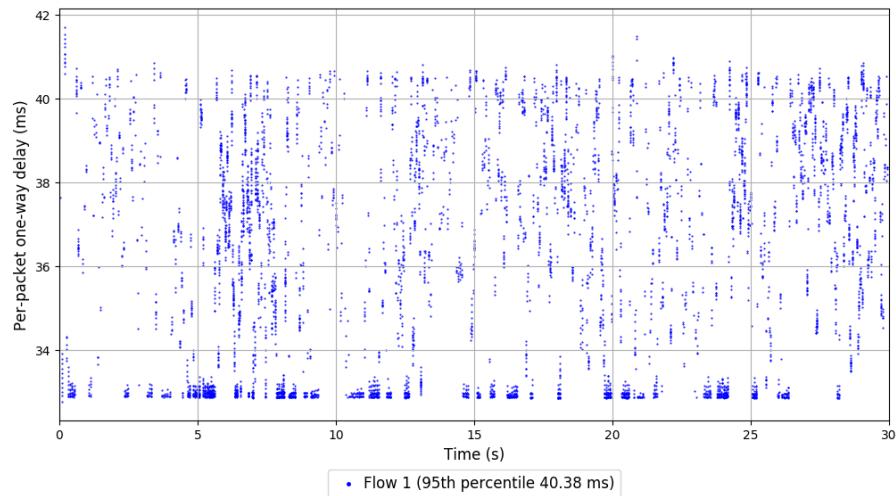
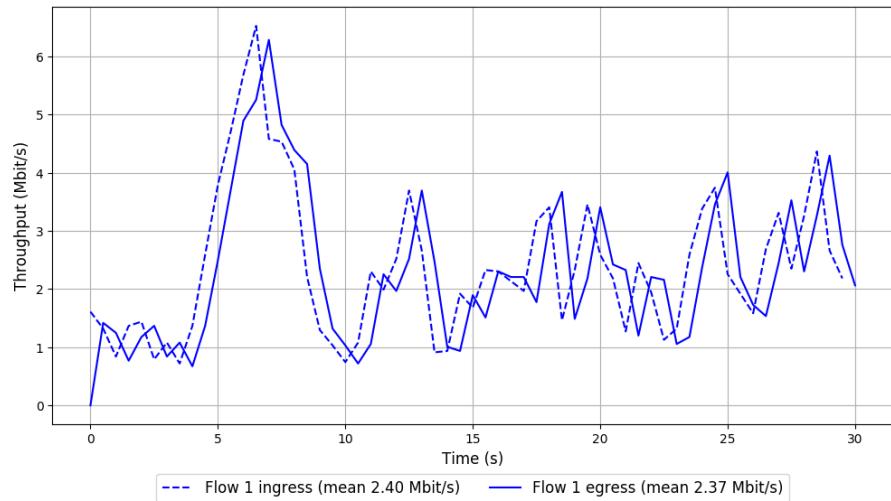


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-30 08:16:22
End at: 2018-06-30 08:16:52
Local clock offset: 1.064 ms
Remote clock offset: 0.605 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 40.381 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 40.381 ms
Loss rate: 1.52%
```

Run 5: Report of TCP Vegas — Data Link

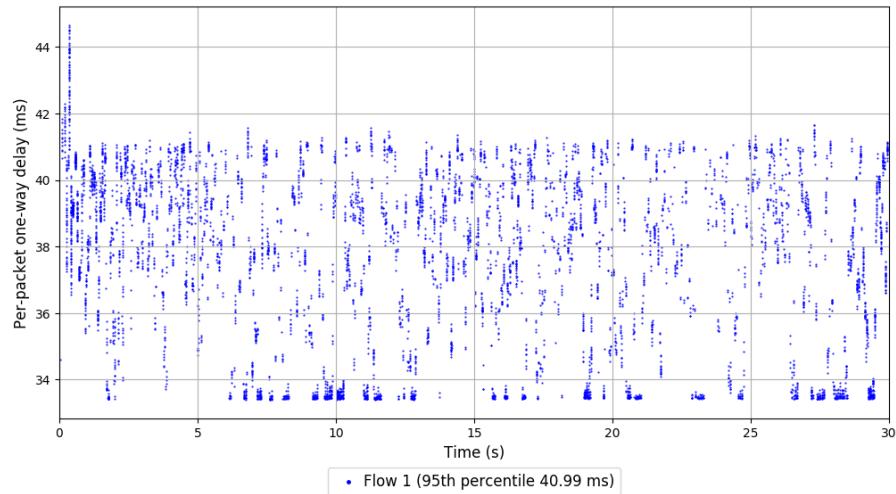
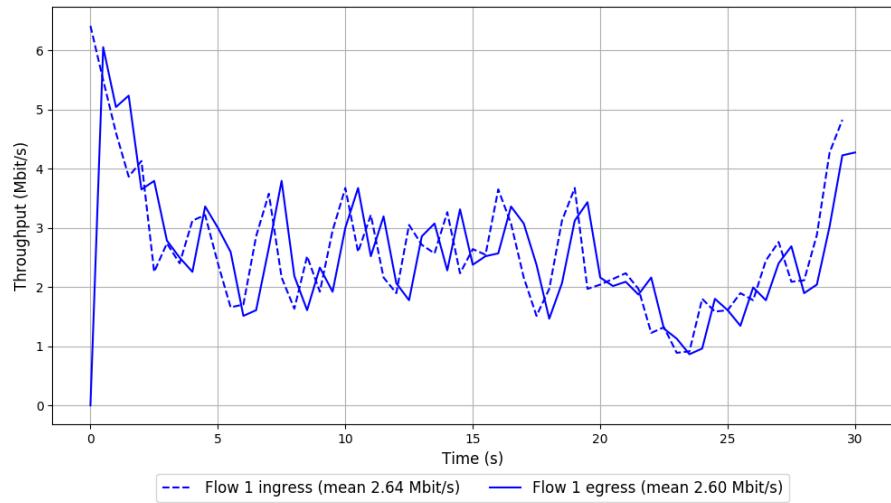


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-30 08:41:49
End at: 2018-06-30 08:42:19
Local clock offset: 0.645 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 40.991 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 40.991 ms
Loss rate: 1.56%
```

Run 6: Report of TCP Vegas — Data Link

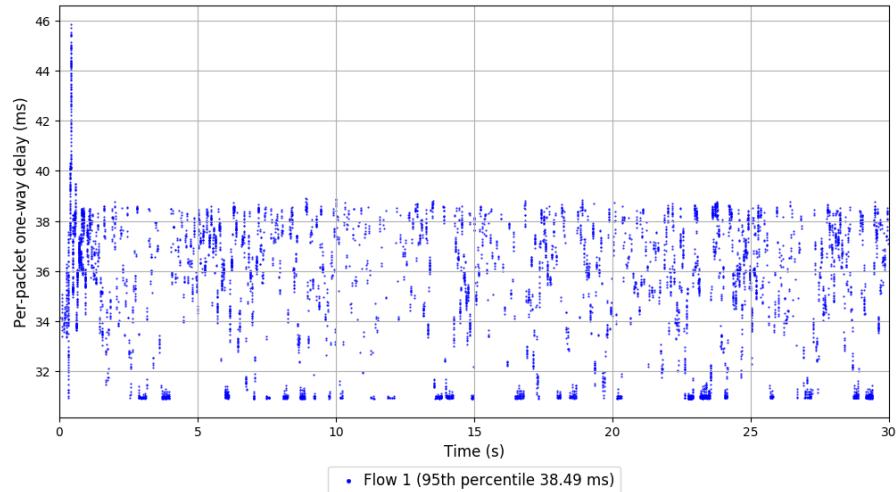
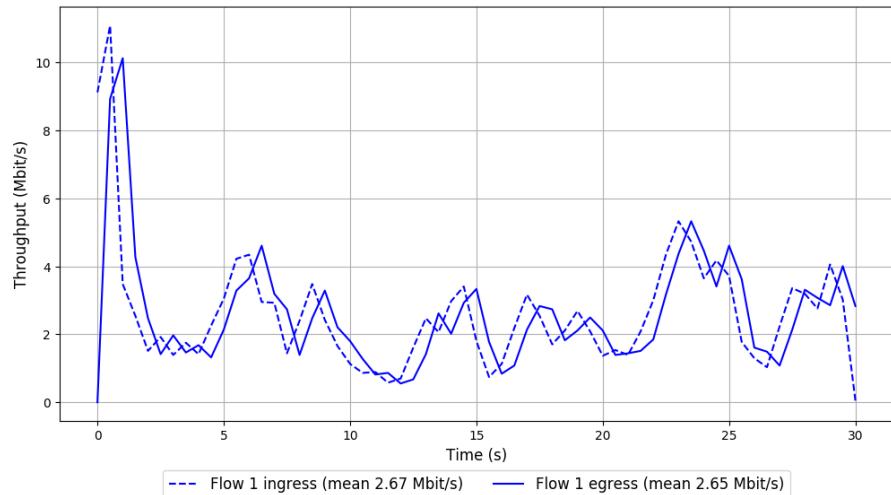


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-30 09:06:49
End at: 2018-06-30 09:07:19
Local clock offset: 0.302 ms
Remote clock offset: 3.492 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 38.495 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 38.495 ms
Loss rate: 1.20%
```

Run 7: Report of TCP Vegas — Data Link

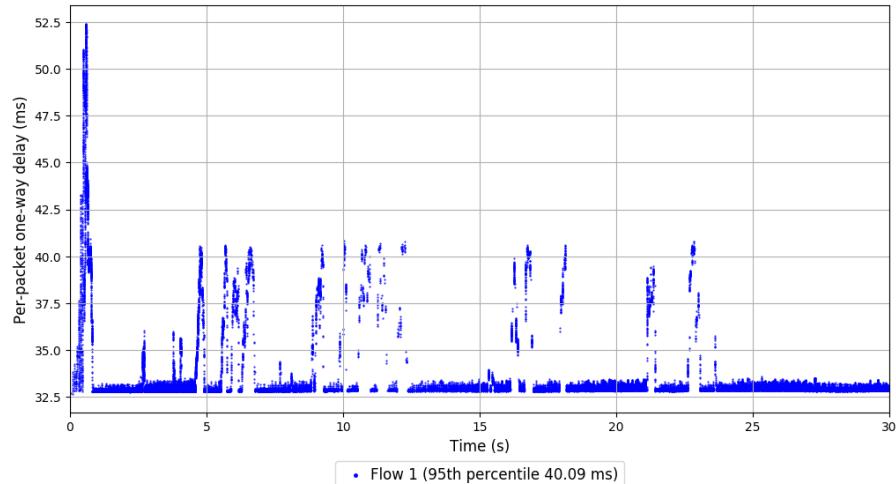
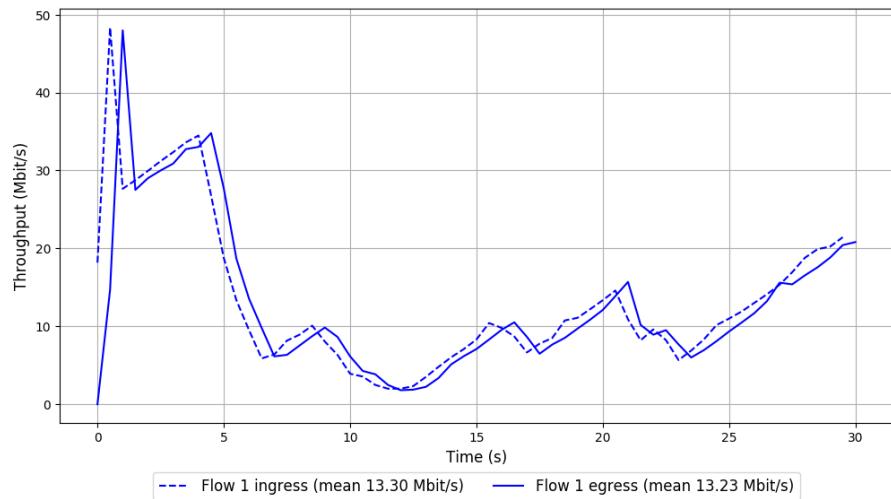


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-30 09:31:21
End at: 2018-06-30 09:31:51
Local clock offset: 0.302 ms
Remote clock offset: 3.147 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 40.094 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 40.094 ms
Loss rate: 0.76%
```

Run 8: Report of TCP Vegas — Data Link

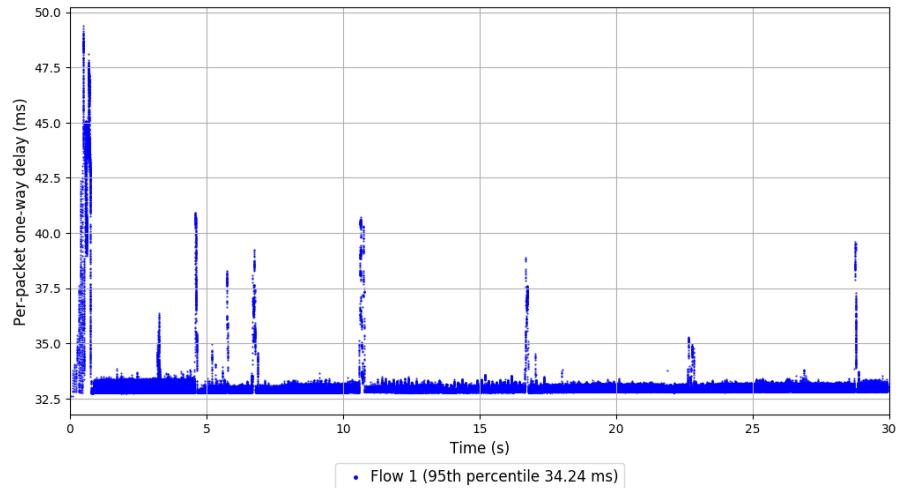
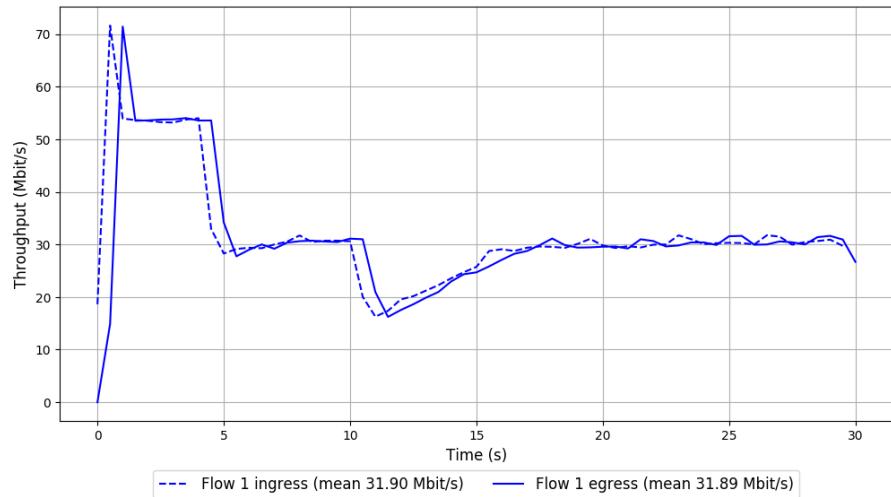


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-30 09:54:28
End at: 2018-06-30 09:54:58
Local clock offset: 0.189 ms
Remote clock offset: 5.62 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 34.245 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 34.245 ms
Loss rate: 0.25%
```

Run 9: Report of TCP Vegas — Data Link

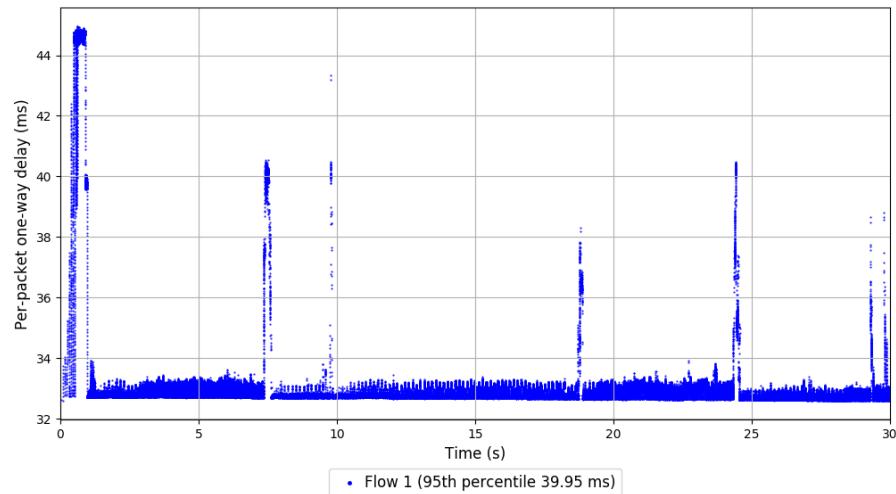
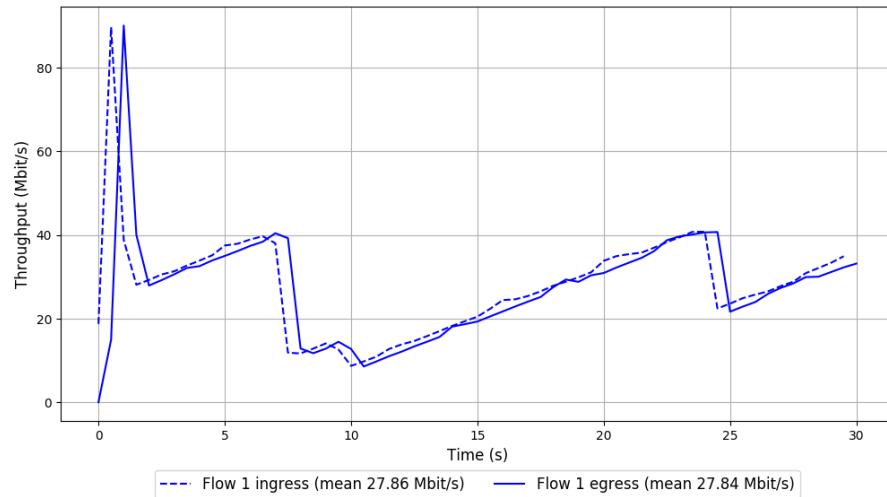


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-30 10:17:24
End at: 2018-06-30 10:17:54
Local clock offset: 0.171 ms
Remote clock offset: 6.222 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 39.950 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 39.950 ms
Loss rate: 0.32%
```

Run 10: Report of TCP Vegas — Data Link

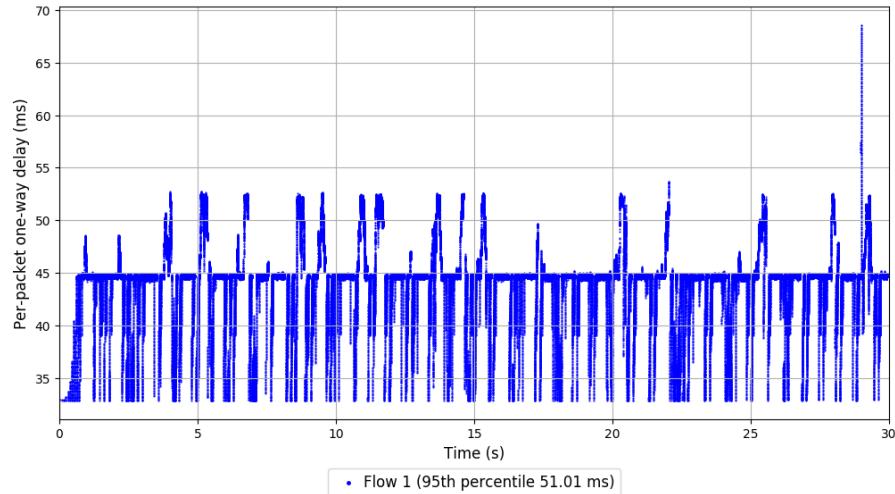
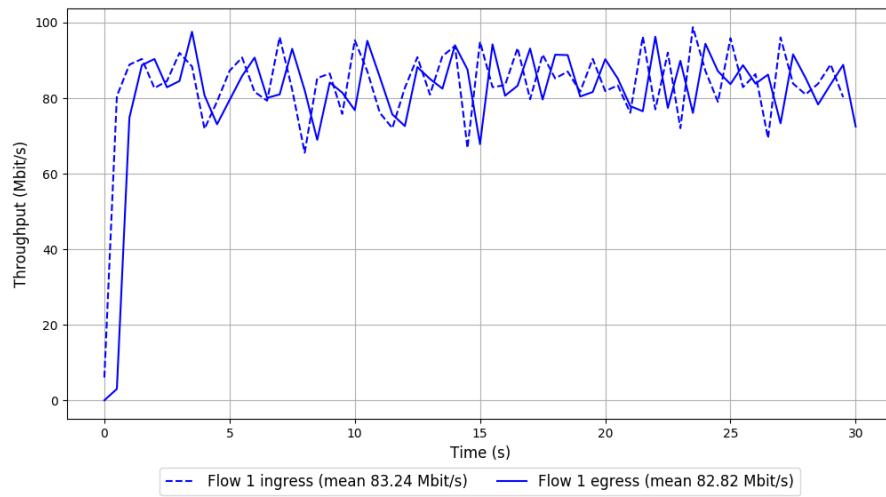


Run 1: Statistics of Verus

```
Start at: 2018-06-30 06:38:46
End at: 2018-06-30 06:39:16
Local clock offset: 0.444 ms
Remote clock offset: 4.65 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 51.009 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 51.009 ms
Loss rate: 0.75%
```

Run 1: Report of Verus — Data Link

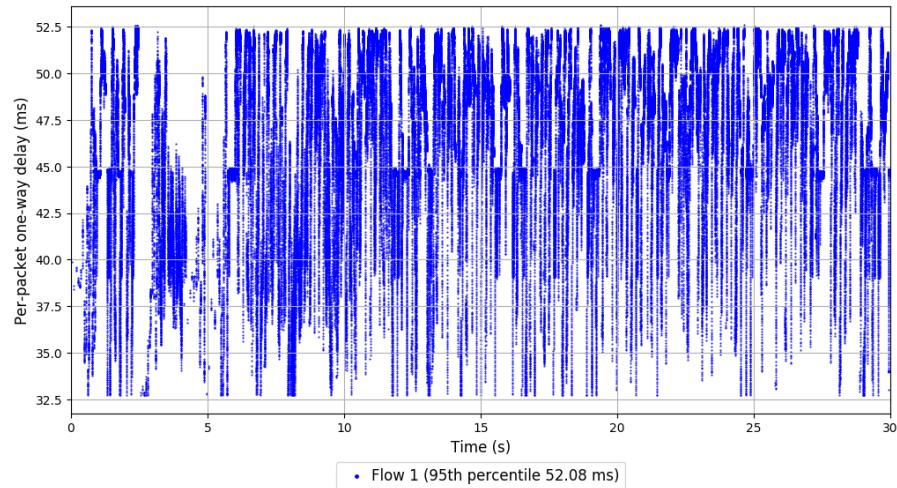
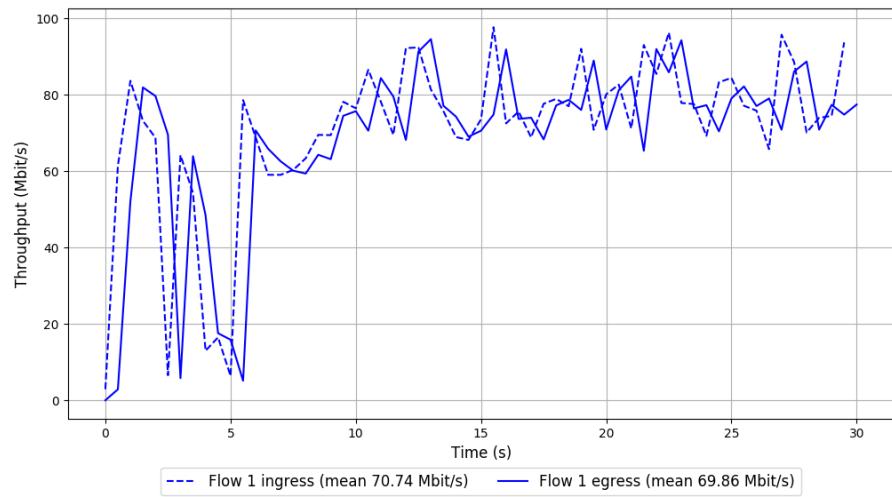


Run 2: Statistics of Verus

```
Start at: 2018-06-30 07:01:41
End at: 2018-06-30 07:02:12
Local clock offset: 0.811 ms
Remote clock offset: 4.508 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.86 Mbit/s
95th percentile per-packet one-way delay: 52.078 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 69.86 Mbit/s
95th percentile per-packet one-way delay: 52.078 ms
Loss rate: 1.50%
```

Run 2: Report of Verus — Data Link

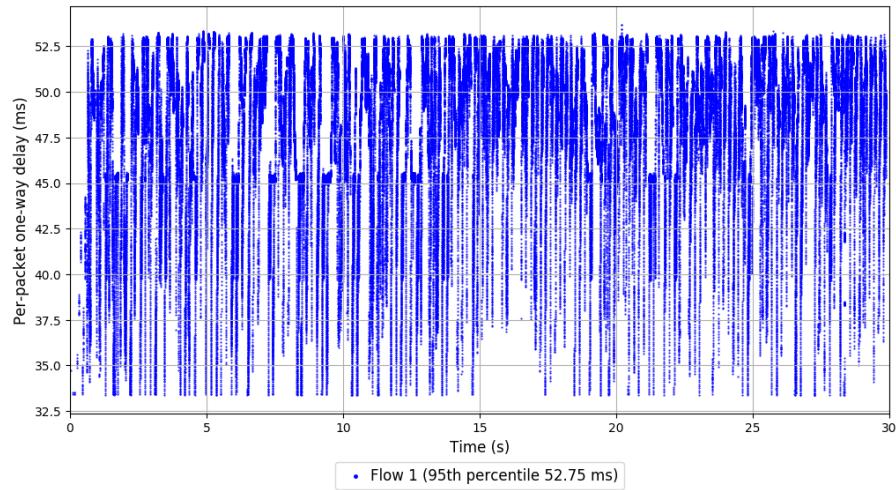
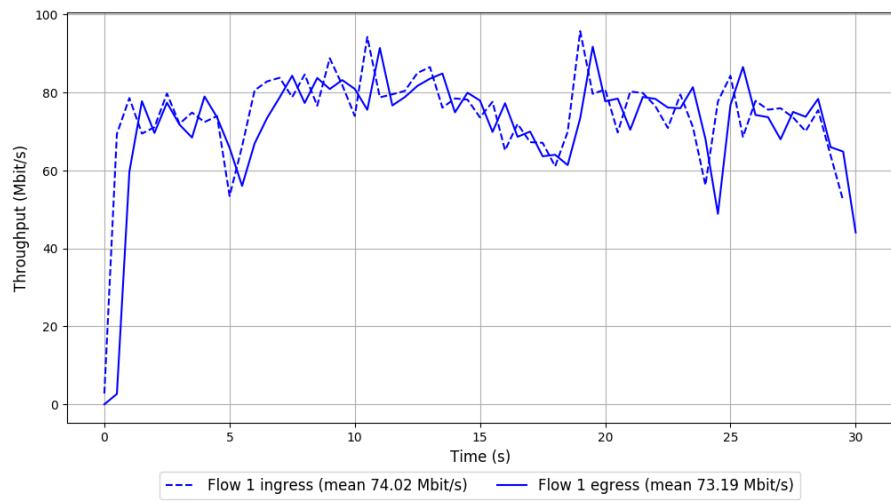


Run 3: Statistics of Verus

```
Start at: 2018-06-30 07:27:03
End at: 2018-06-30 07:27:33
Local clock offset: 1.156 ms
Remote clock offset: 3.948 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.19 Mbit/s
95th percentile per-packet one-way delay: 52.752 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 73.19 Mbit/s
95th percentile per-packet one-way delay: 52.752 ms
Loss rate: 1.58%
```

Run 3: Report of Verus — Data Link

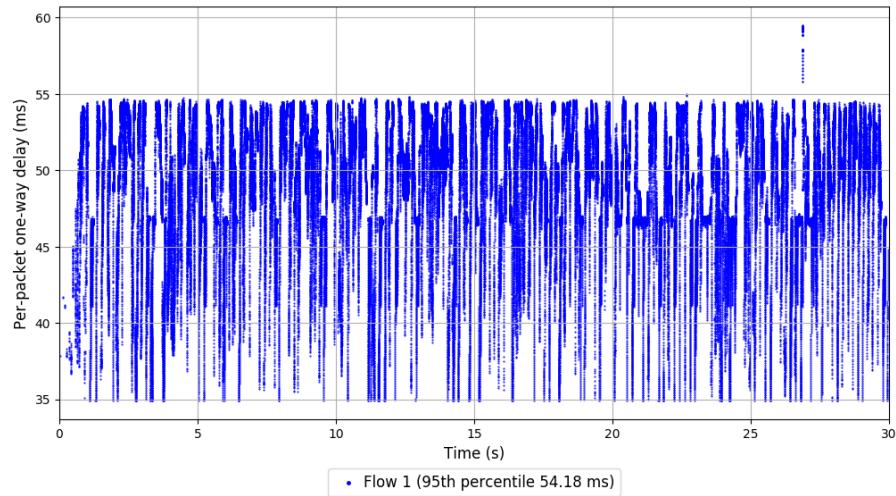
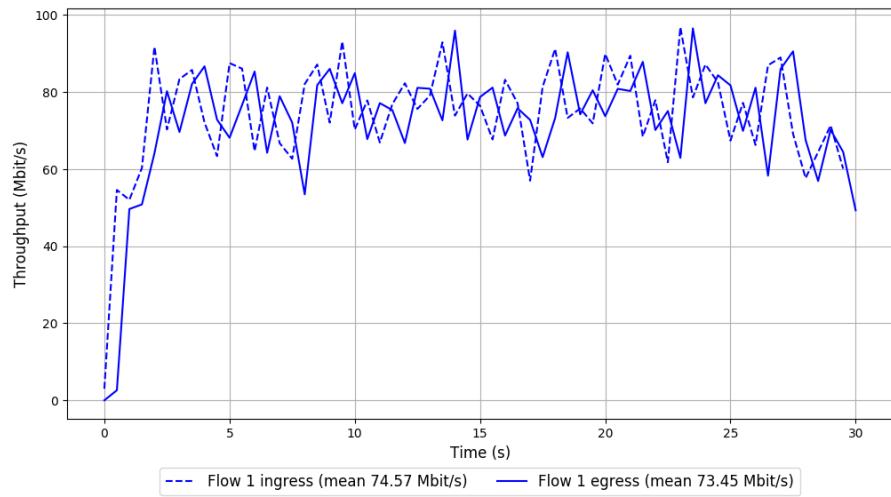


Run 4: Statistics of Verus

```
Start at: 2018-06-30 07:52:59
End at: 2018-06-30 07:53:29
Local clock offset: 1.176 ms
Remote clock offset: 4.055 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.45 Mbit/s
95th percentile per-packet one-way delay: 54.181 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 73.45 Mbit/s
95th percentile per-packet one-way delay: 54.181 ms
Loss rate: 1.74%
```

Run 4: Report of Verus — Data Link

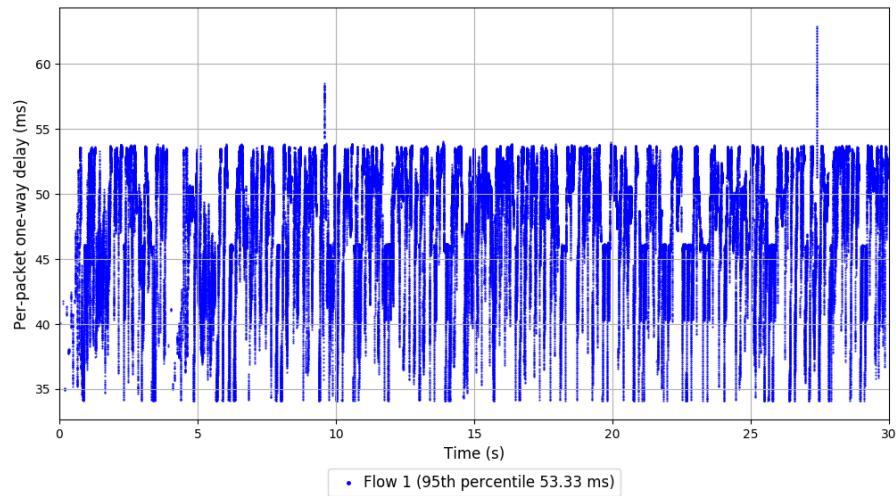
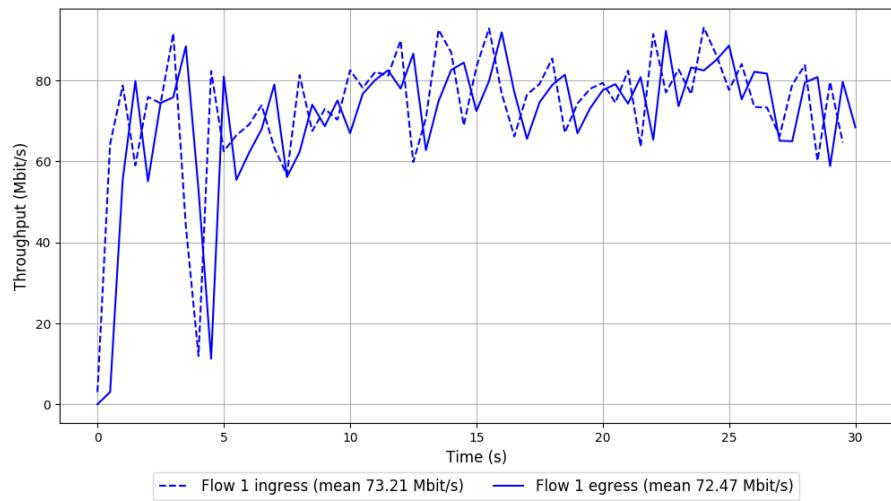


Run 5: Statistics of Verus

```
Start at: 2018-06-30 08:18:59
End at: 2018-06-30 08:19:29
Local clock offset: 0.913 ms
Remote clock offset: 0.356 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 53.334 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 53.334 ms
Loss rate: 1.27%
```

Run 5: Report of Verus — Data Link

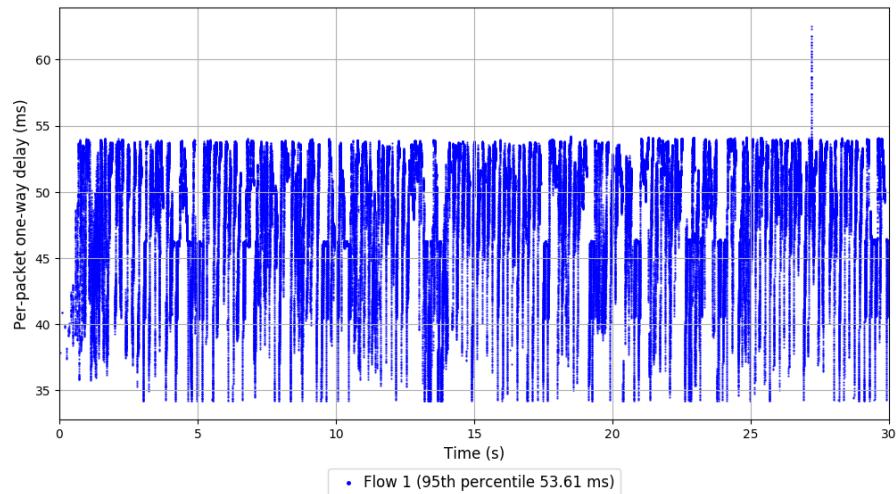
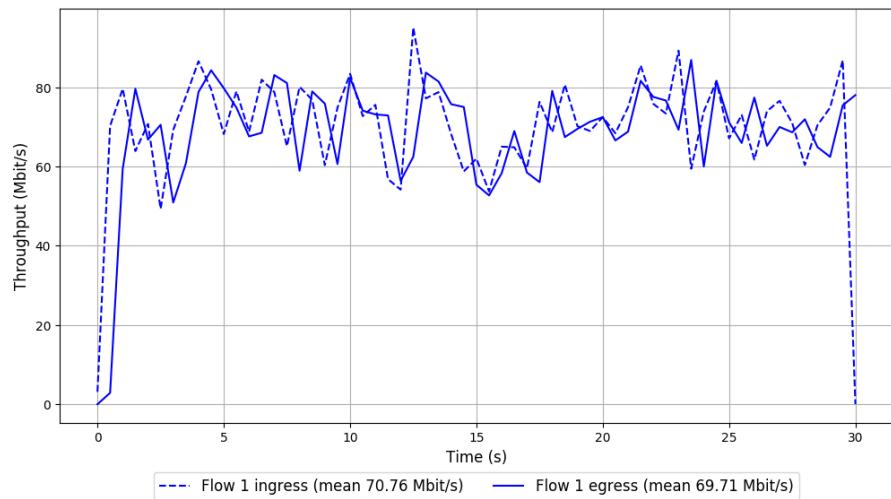


Run 6: Statistics of Verus

```
Start at: 2018-06-30 08:44:32
End at: 2018-06-30 08:45:02
Local clock offset: 0.707 ms
Remote clock offset: 0.709 ms

# Below is generated by plot.py at 2018-06-30 10:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 53.614 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 53.614 ms
Loss rate: 1.76%
```

Run 6: Report of Verus — Data Link

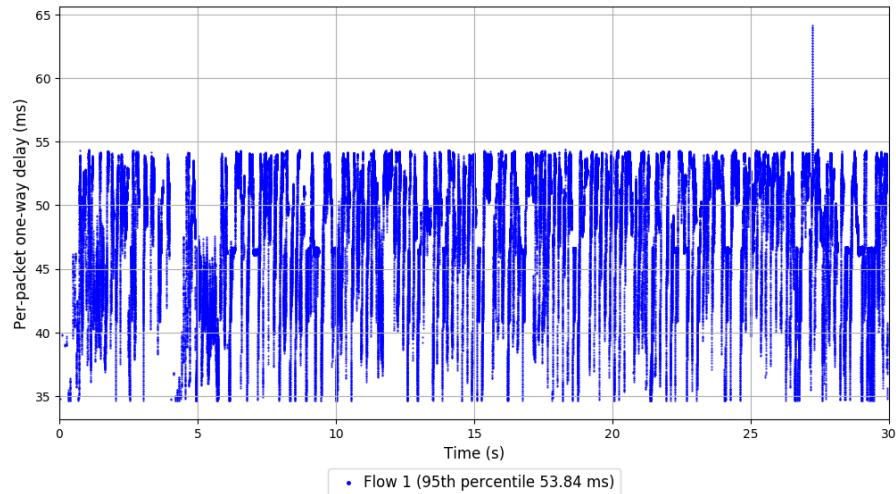
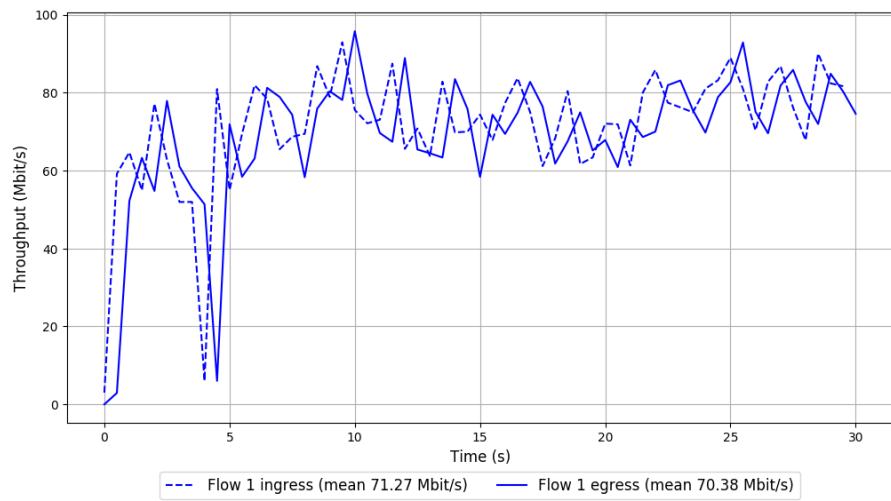


Run 7: Statistics of Verus

```
Start at: 2018-06-30 09:09:23
End at: 2018-06-30 09:09:53
Local clock offset: 0.275 ms
Remote clock offset: 1.176 ms

# Below is generated by plot.py at 2018-06-30 10:50:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.38 Mbit/s
95th percentile per-packet one-way delay: 53.840 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 70.38 Mbit/s
95th percentile per-packet one-way delay: 53.840 ms
Loss rate: 1.49%
```

Run 7: Report of Verus — Data Link

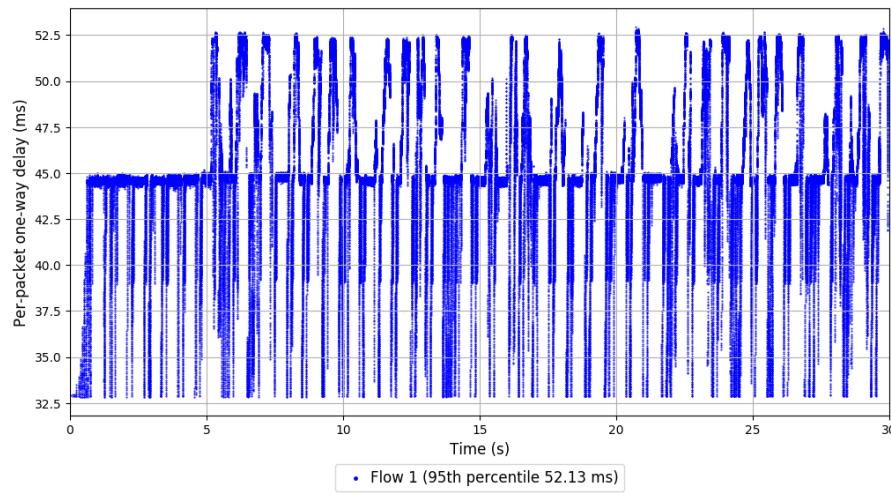
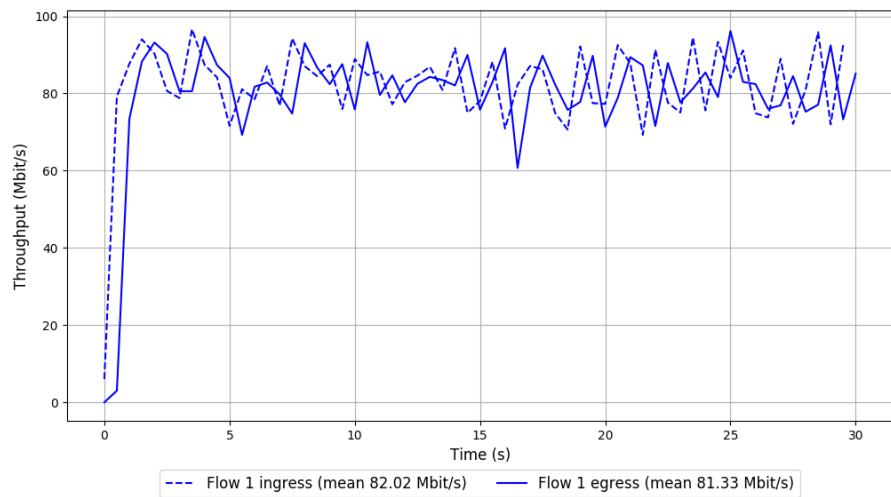


Run 8: Statistics of Verus

```
Start at: 2018-06-30 09:34:07
End at: 2018-06-30 09:34:37
Local clock offset: 0.303 ms
Remote clock offset: 3.428 ms

# Below is generated by plot.py at 2018-06-30 10:50:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 52.134 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 52.134 ms
Loss rate: 1.01%
```

Run 8: Report of Verus — Data Link

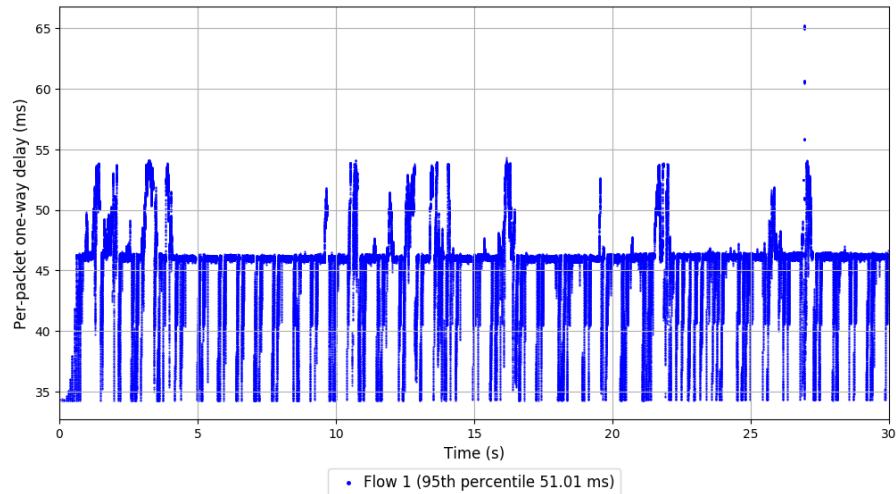
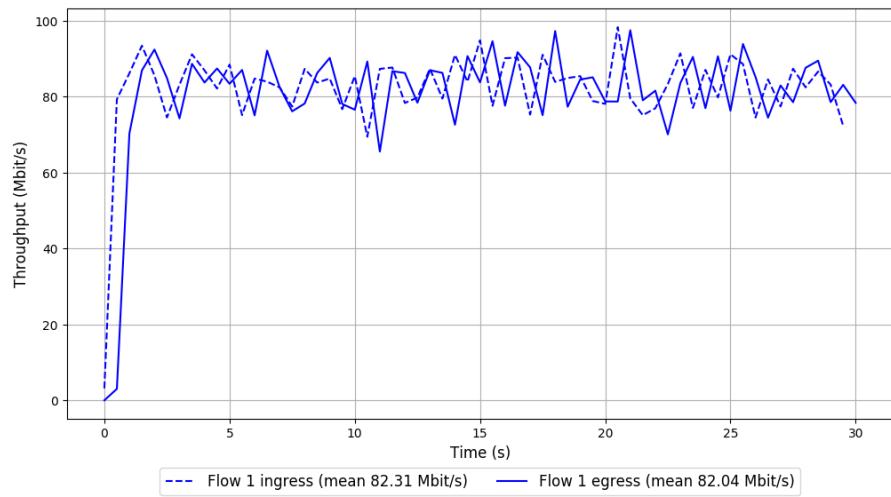


Run 9: Statistics of Verus

```
Start at: 2018-06-30 09:57:08
End at: 2018-06-30 09:57:38
Local clock offset: 0.263 ms
Remote clock offset: 5.926 ms

# Below is generated by plot.py at 2018-06-30 10:50:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 51.011 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 51.011 ms
Loss rate: 0.34%
```

Run 9: Report of Verus — Data Link

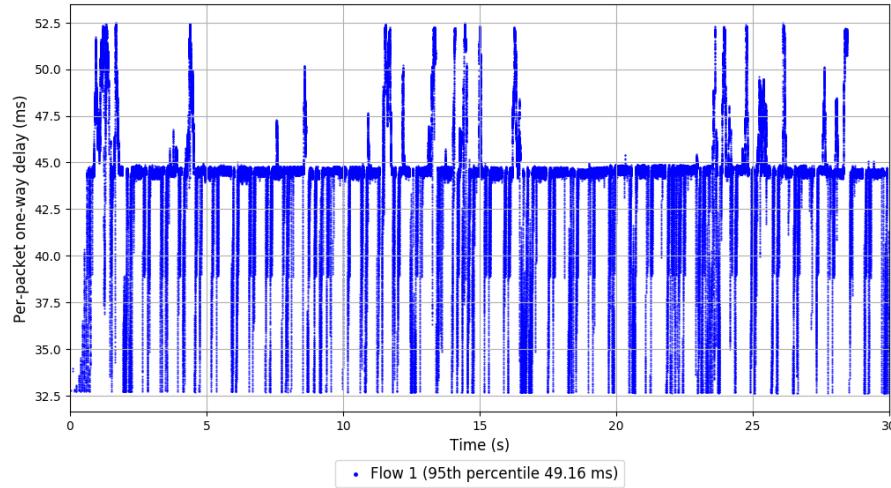
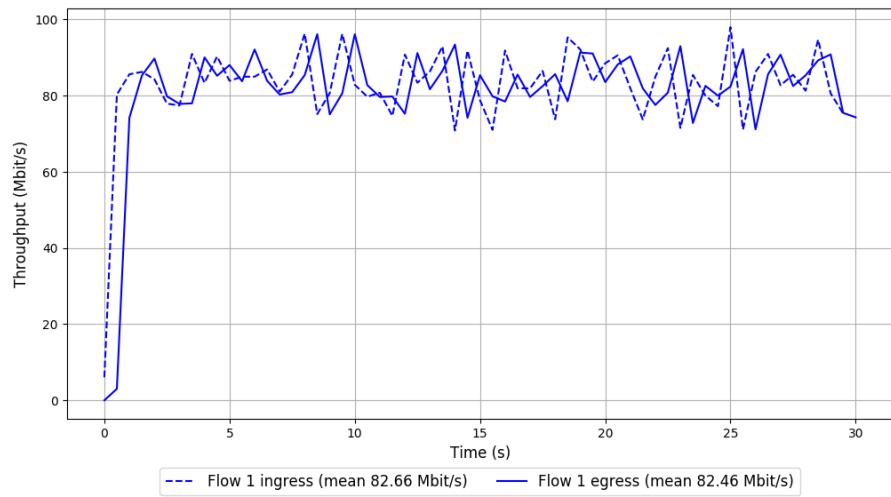


Run 10: Statistics of Verus

```
Start at: 2018-06-30 10:20:03
End at: 2018-06-30 10:20:33
Local clock offset: 0.275 ms
Remote clock offset: 5.69 ms

# Below is generated by plot.py at 2018-06-30 10:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.46 Mbit/s
95th percentile per-packet one-way delay: 49.162 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 82.46 Mbit/s
95th percentile per-packet one-way delay: 49.162 ms
Loss rate: 0.48%
```

Run 10: Report of Verus — Data Link

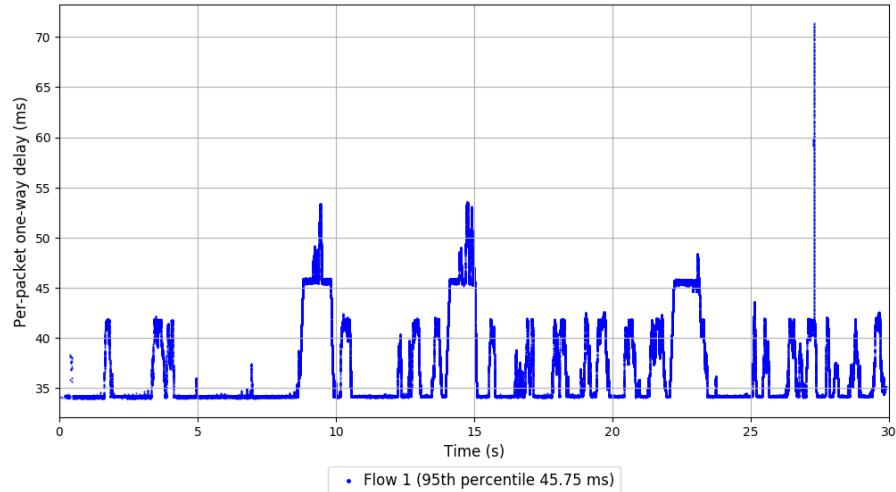
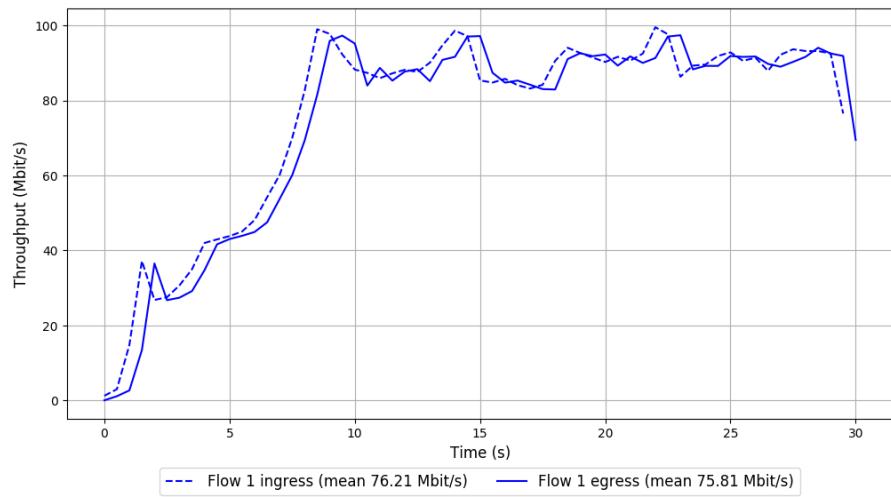


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-06-30 06:37:26
End at: 2018-06-30 06:37:56
Local clock offset: 0.592 ms
Remote clock offset: 4.662 ms

# Below is generated by plot.py at 2018-06-30 10:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 45.753 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 45.753 ms
Loss rate: 0.75%
```

Run 1: Report of PCC-Vivace — Data Link

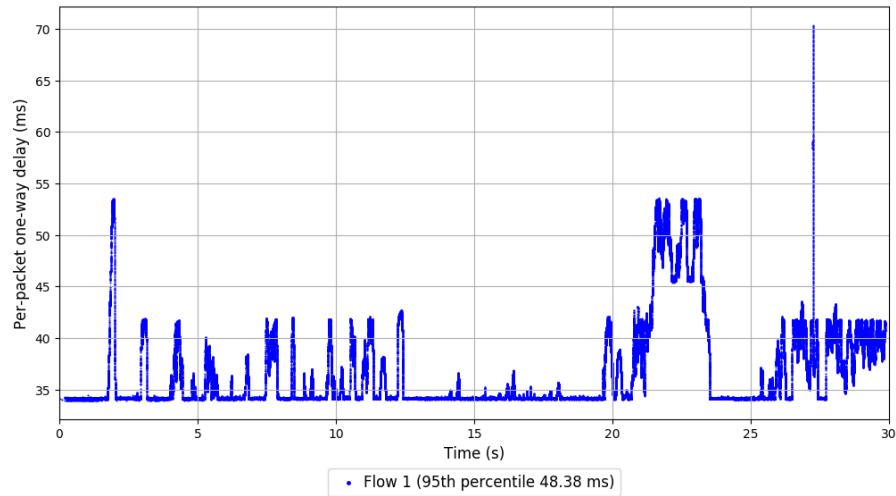
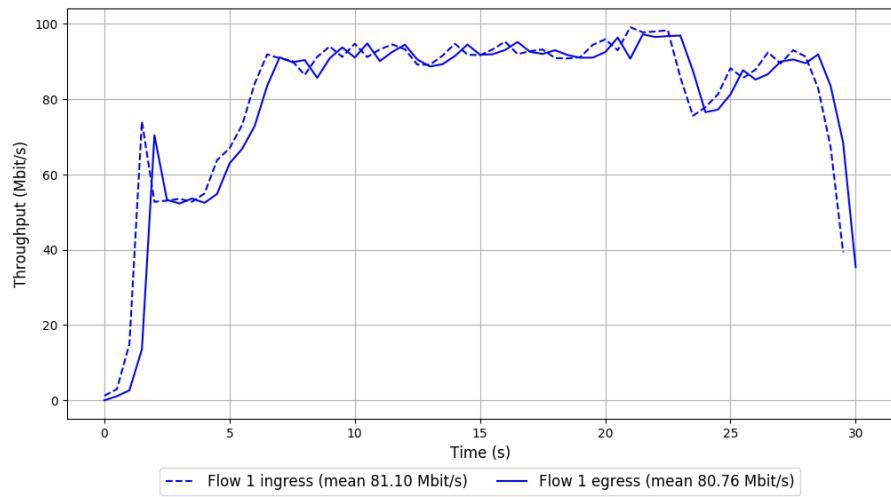


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-30 06:59:48
End at: 2018-06-30 07:00:18
Local clock offset: 0.697 ms
Remote clock offset: 4.413 ms

# Below is generated by plot.py at 2018-06-30 10:50:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 48.380 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 48.380 ms
Loss rate: 0.65%
```

Run 2: Report of PCC-Vivace — Data Link

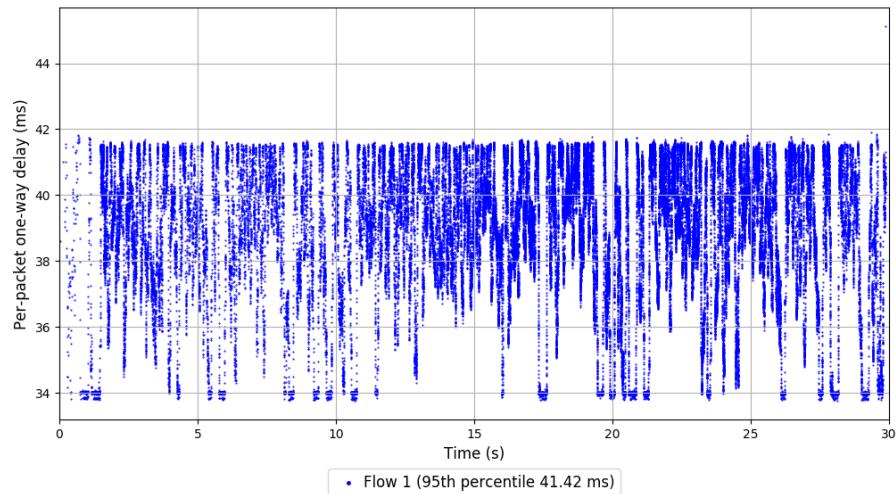
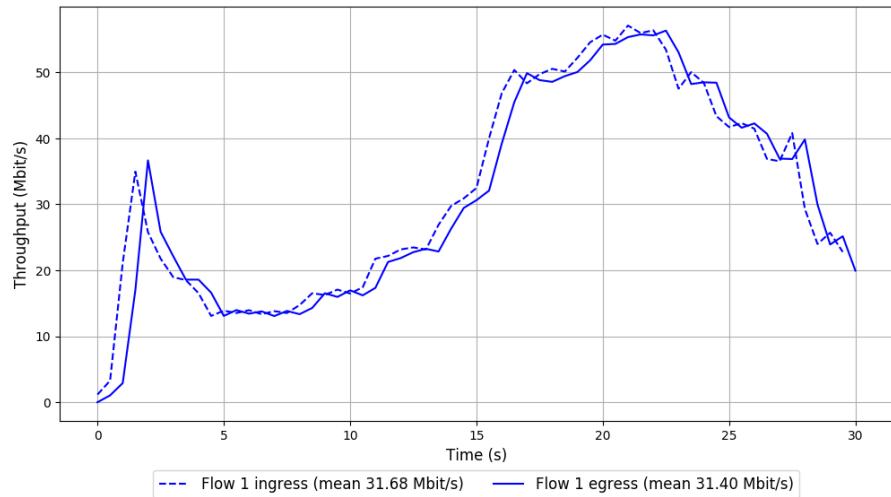


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-30 07:25:32
End at: 2018-06-30 07:26:02
Local clock offset: 1.057 ms
Remote clock offset: 4.695 ms

# Below is generated by plot.py at 2018-06-30 10:50:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 41.418 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 41.418 ms
Loss rate: 1.12%
```

Run 3: Report of PCC-Vivace — Data Link

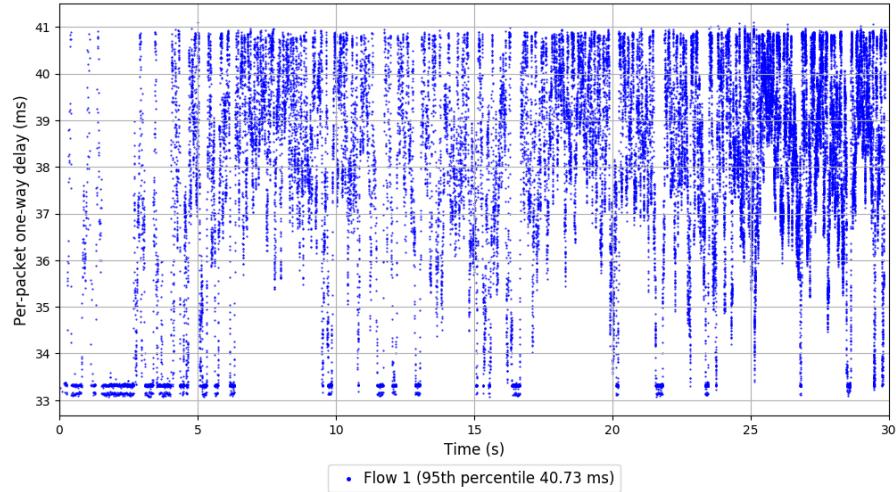
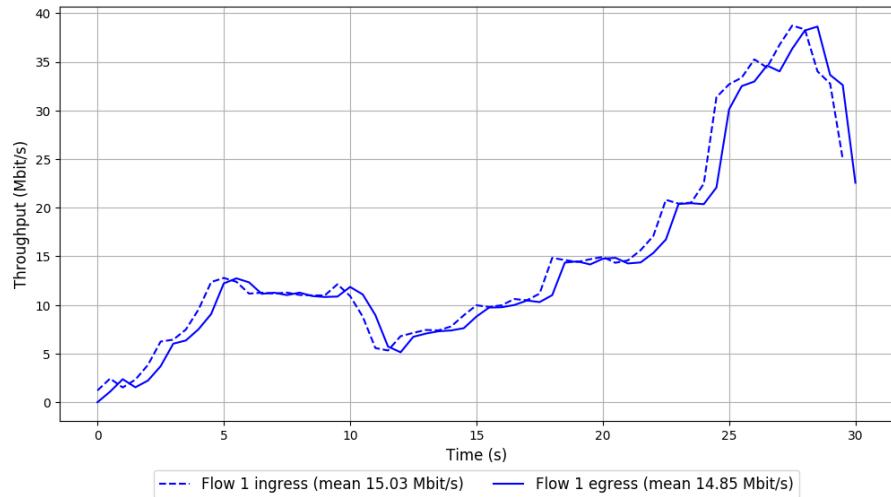


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-30 07:51:33
End at: 2018-06-30 07:52:03
Local clock offset: 1.1 ms
Remote clock offset: 4.049 ms

# Below is generated by plot.py at 2018-06-30 10:50:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 40.734 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 40.734 ms
Loss rate: 1.39%
```

Run 4: Report of PCC-Vivace — Data Link

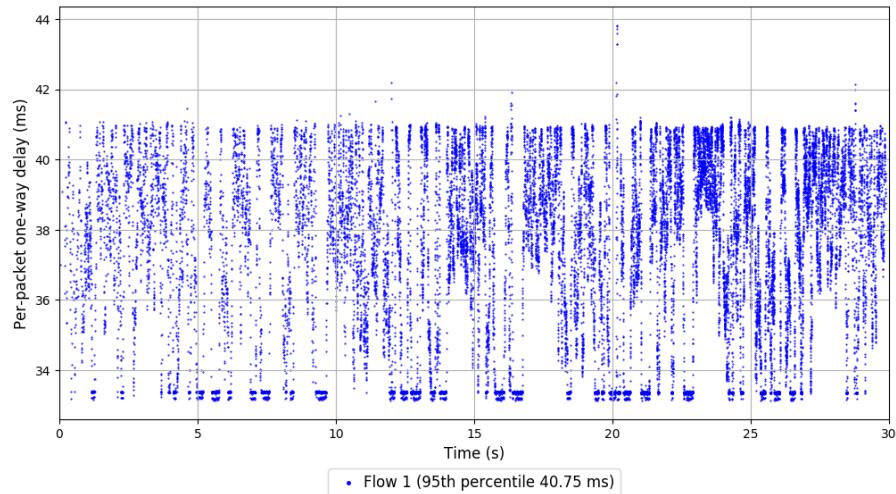
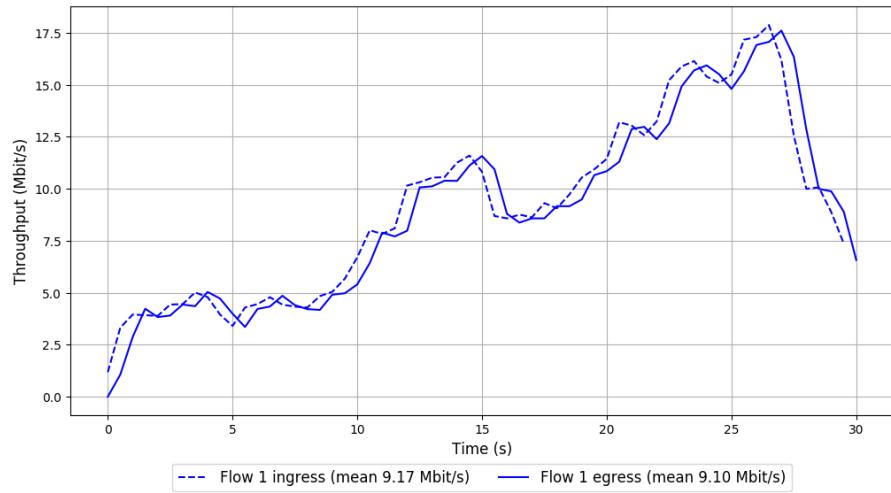


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-30 08:17:38
End at: 2018-06-30 08:18:08
Local clock offset: 1.025 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-06-30 10:50:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 40.751 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 40.751 ms
Loss rate: 1.06%
```

Run 5: Report of PCC-Vivace — Data Link

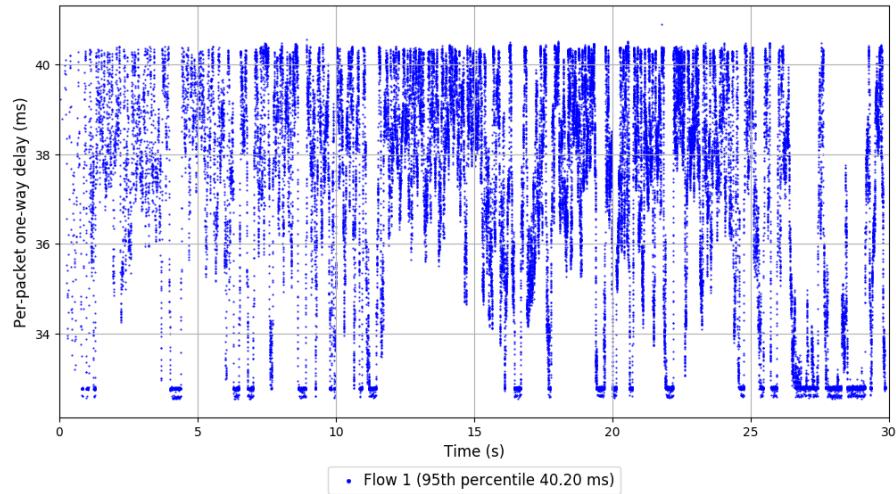
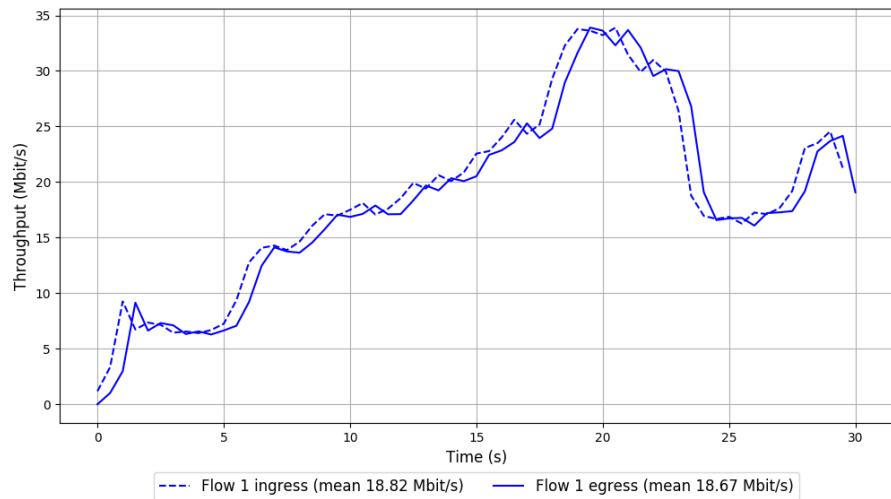


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-30 08:43:05
End at: 2018-06-30 08:43:35
Local clock offset: 0.73 ms
Remote clock offset: 0.673 ms

# Below is generated by plot.py at 2018-06-30 10:50:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 40.197 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 40.197 ms
Loss rate: 1.08%
```

Run 6: Report of PCC-Vivace — Data Link

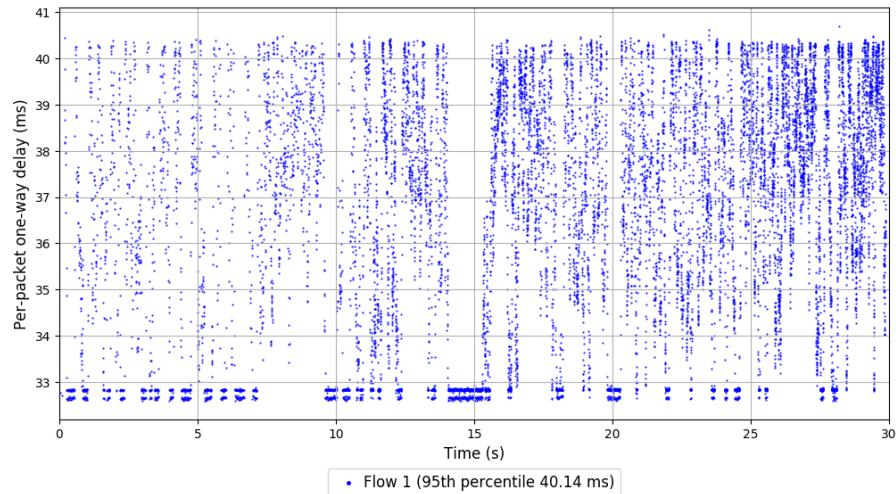
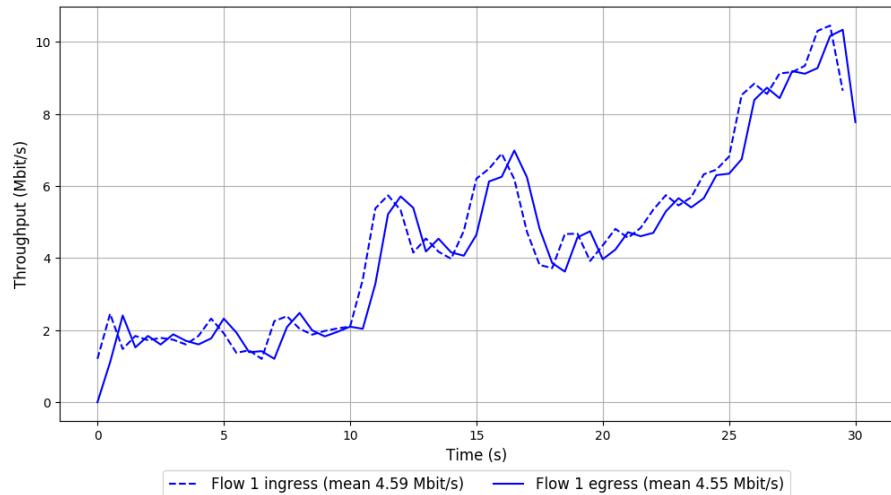


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-30 09:08:04
End at: 2018-06-30 09:08:34
Local clock offset: 0.297 ms
Remote clock offset: 1.57 ms

# Below is generated by plot.py at 2018-06-30 10:50:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 40.139 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 40.139 ms
Loss rate: 1.10%
```

Run 7: Report of PCC-Vivace — Data Link

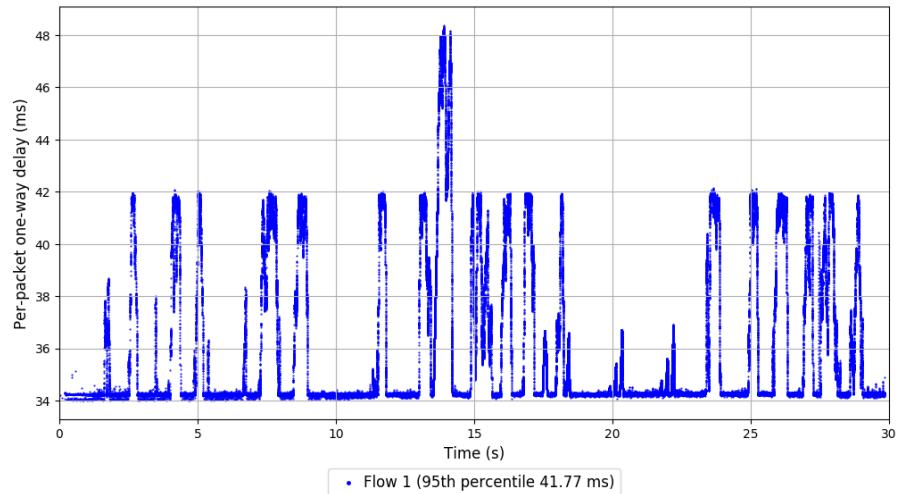
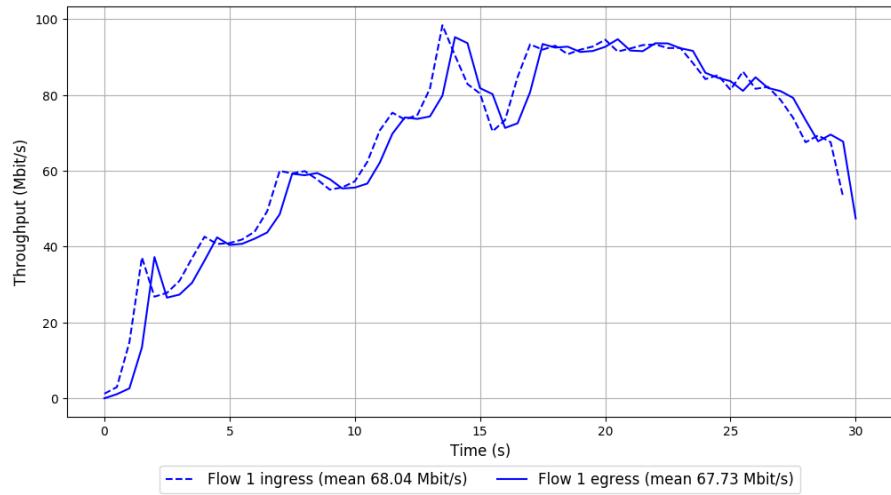


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-30 09:32:38
End at: 2018-06-30 09:33:08
Local clock offset: 0.303 ms
Remote clock offset: 3.27 ms

# Below is generated by plot.py at 2018-06-30 10:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 41.770 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 41.770 ms
Loss rate: 0.68%
```

Run 8: Report of PCC-Vivace — Data Link

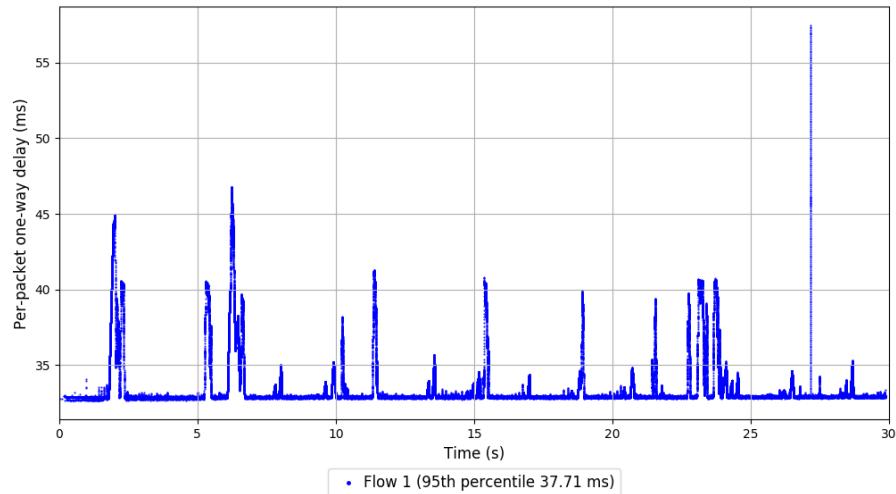
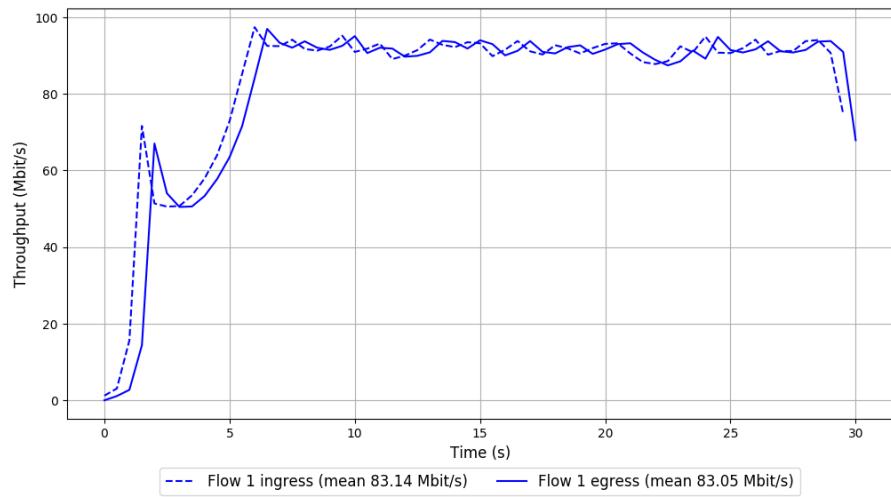


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-30 09:55:46
End at: 2018-06-30 09:56:16
Local clock offset: 0.271 ms
Remote clock offset: 5.741 ms

# Below is generated by plot.py at 2018-06-30 10:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.05 Mbit/s
95th percentile per-packet one-way delay: 37.710 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 83.05 Mbit/s
95th percentile per-packet one-way delay: 37.710 ms
Loss rate: 0.34%
```

Run 9: Report of PCC-Vivace — Data Link

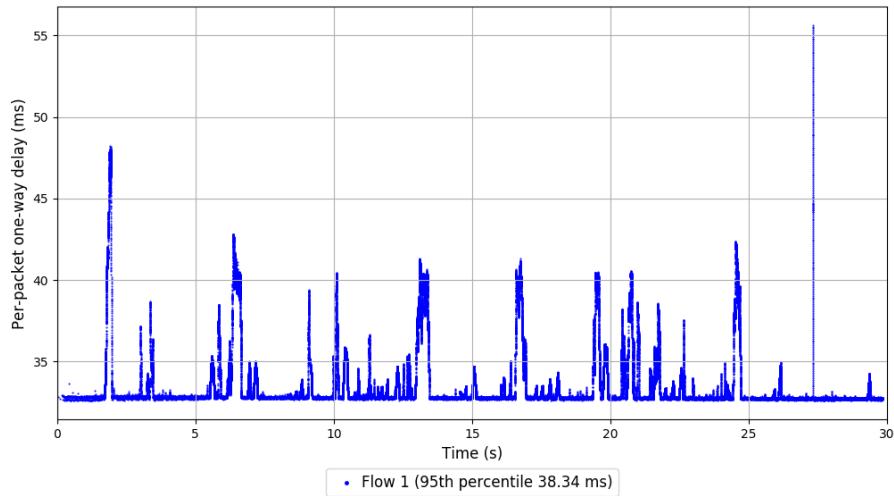
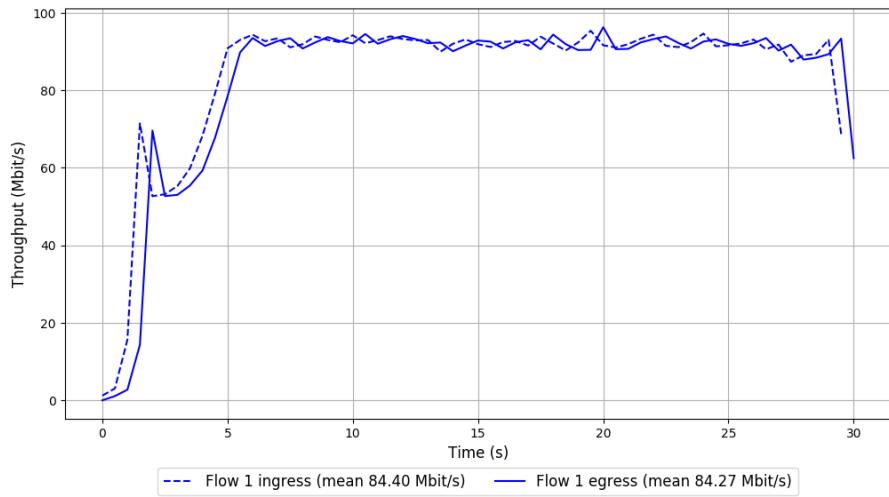


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-30 10:18:41
End at: 2018-06-30 10:19:11
Local clock offset: 0.284 ms
Remote clock offset: 5.912 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 38.344 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 38.344 ms
Loss rate: 0.39%
```

Run 10: Report of PCC-Vivace — Data Link

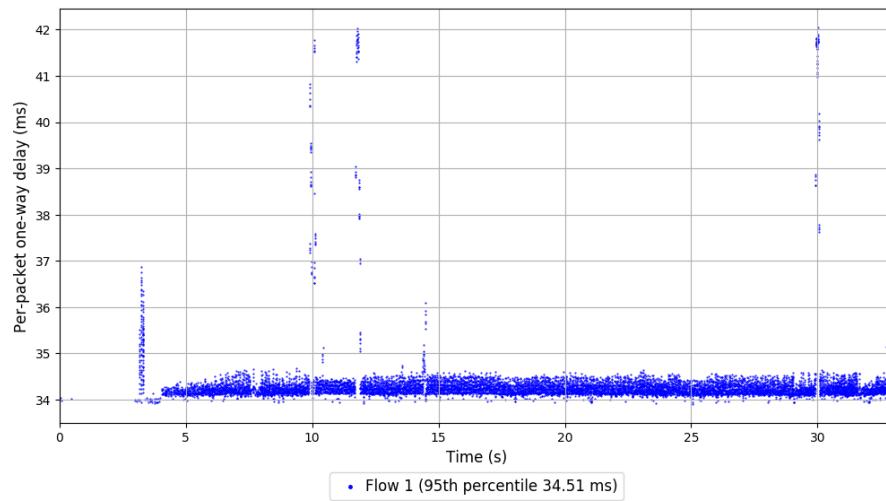
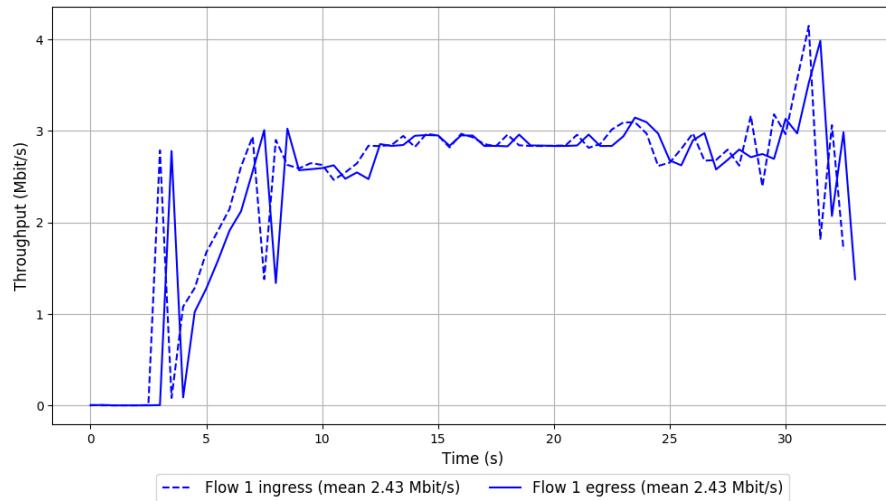


Run 1: Statistics of WebRTC media

```
Start at: 2018-06-30 06:46:48
End at: 2018-06-30 06:47:18
Local clock offset: 0.36 ms
Remote clock offset: 5.037 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 34.513 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 34.513 ms
Loss rate: 0.47%
```

Run 1: Report of WebRTC media — Data Link

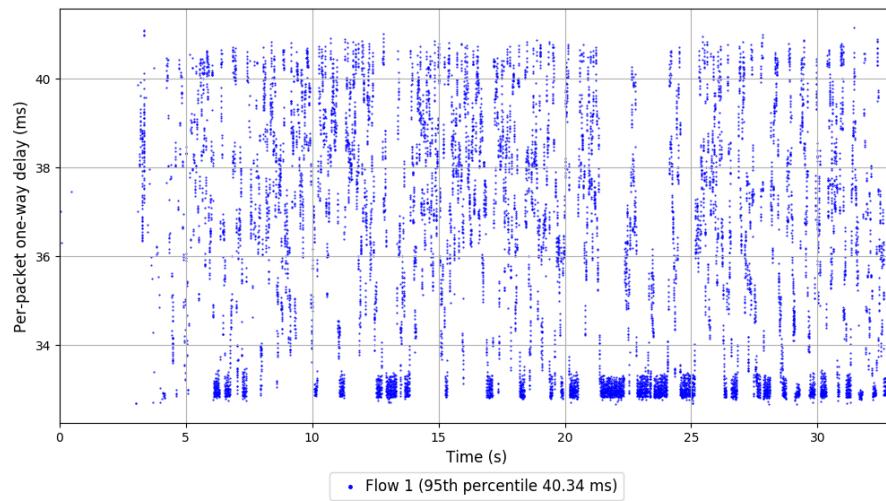
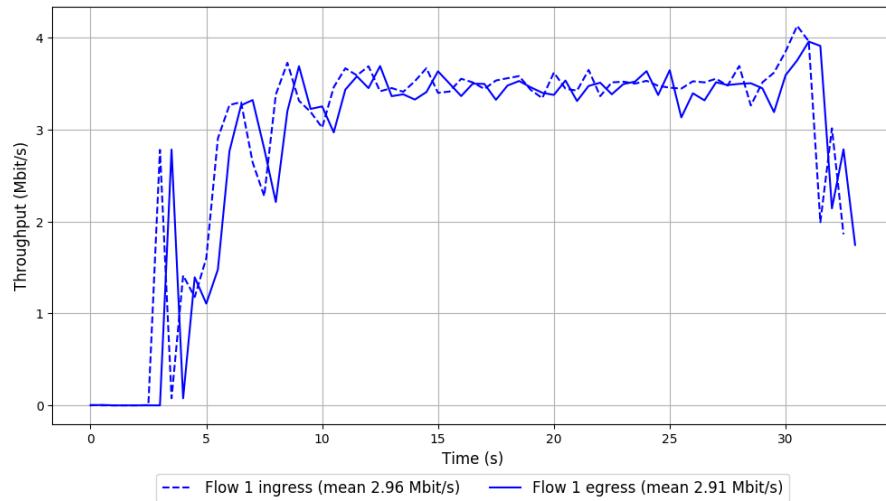


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-30 07:10:56
End at: 2018-06-30 07:11:26
Local clock offset: 0.787 ms
Remote clock offset: 4.342 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 40.340 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 40.340 ms
Loss rate: 1.62%
```

Run 2: Report of WebRTC media — Data Link

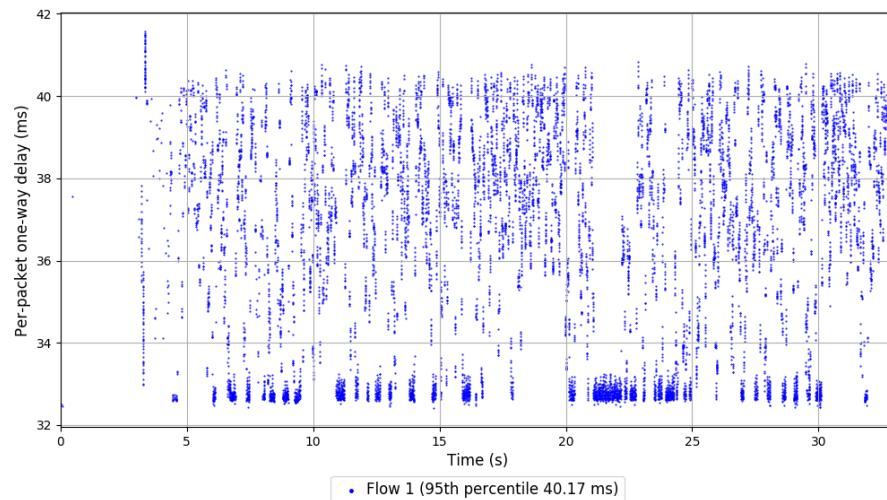
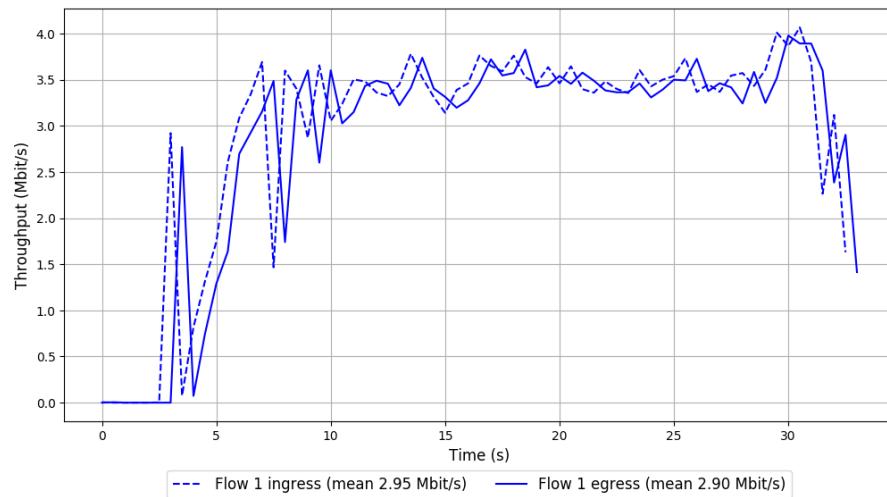


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-30 07:36:09
End at: 2018-06-30 07:36:39
Local clock offset: 1.153 ms
Remote clock offset: 4.532 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 40.168 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 40.168 ms
Loss rate: 1.67%
```

Run 3: Report of WebRTC media — Data Link

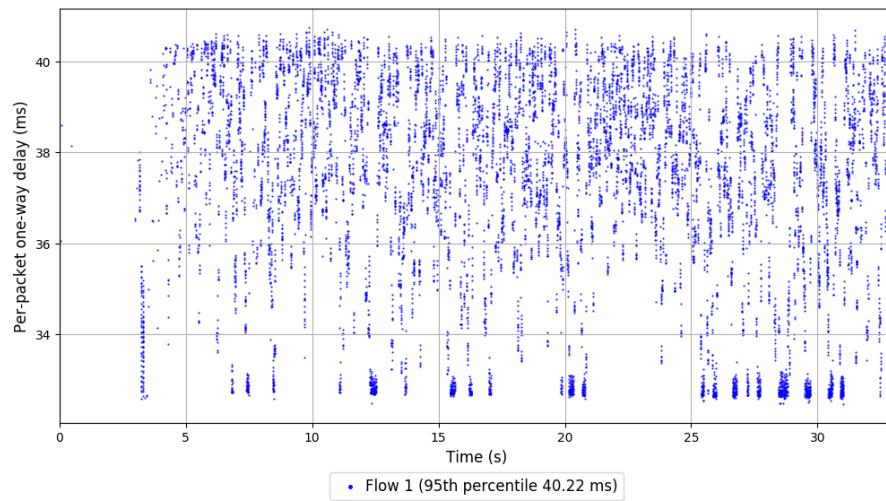
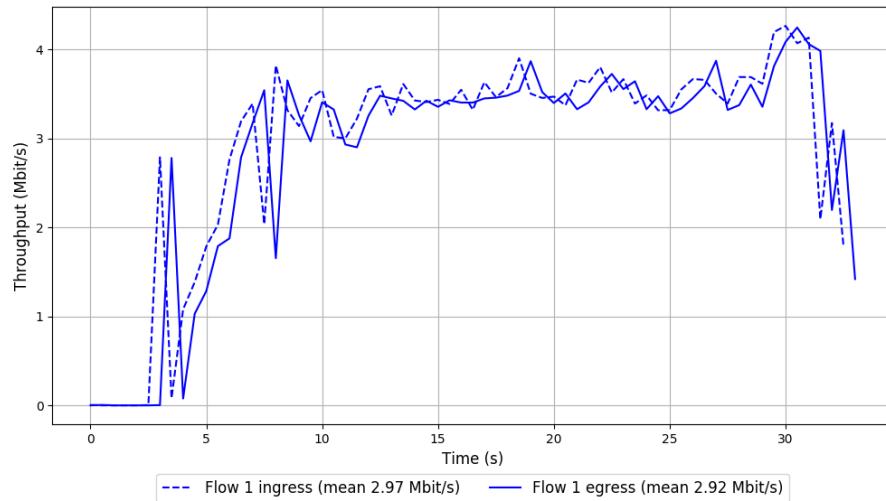


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-30 08:02:27
End at: 2018-06-30 08:02:57
Local clock offset: 1.132 ms
Remote clock offset: 2.688 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 40.218 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 40.218 ms
Loss rate: 1.79%
```

Run 4: Report of WebRTC media — Data Link

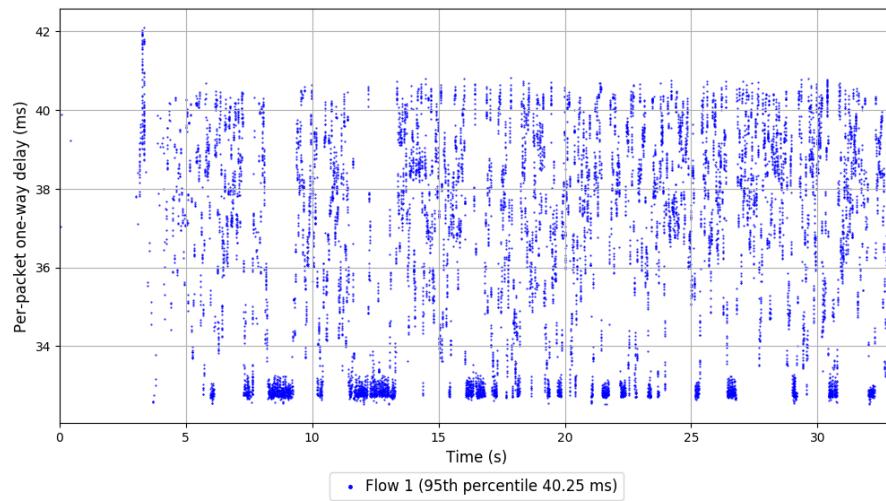
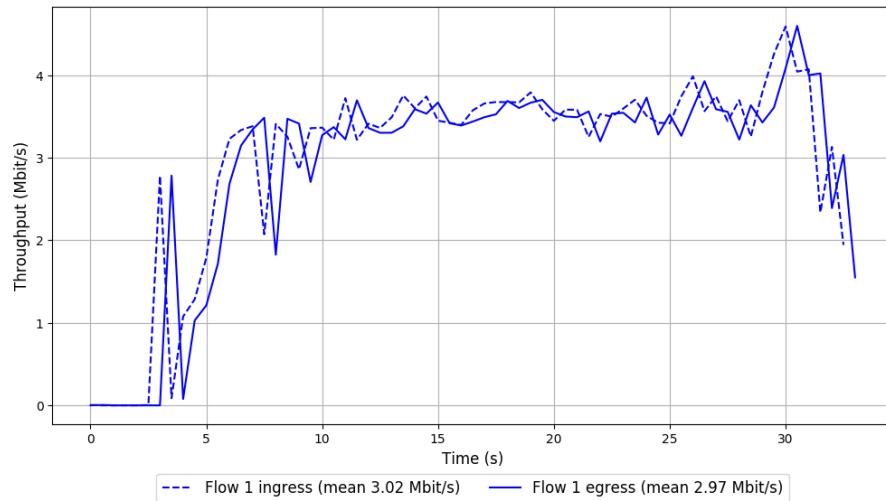


Run 5: Statistics of WebRTC media

```
Start at: 2018-06-30 08:28:16
End at: 2018-06-30 08:28:46
Local clock offset: 0.77 ms
Remote clock offset: -0.268 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 40.250 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 40.250 ms
Loss rate: 1.63%
```

Run 5: Report of WebRTC media — Data Link

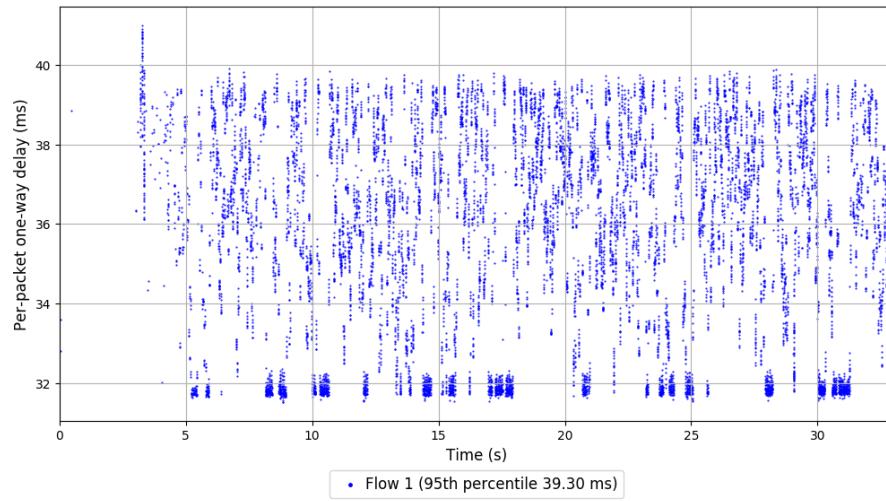
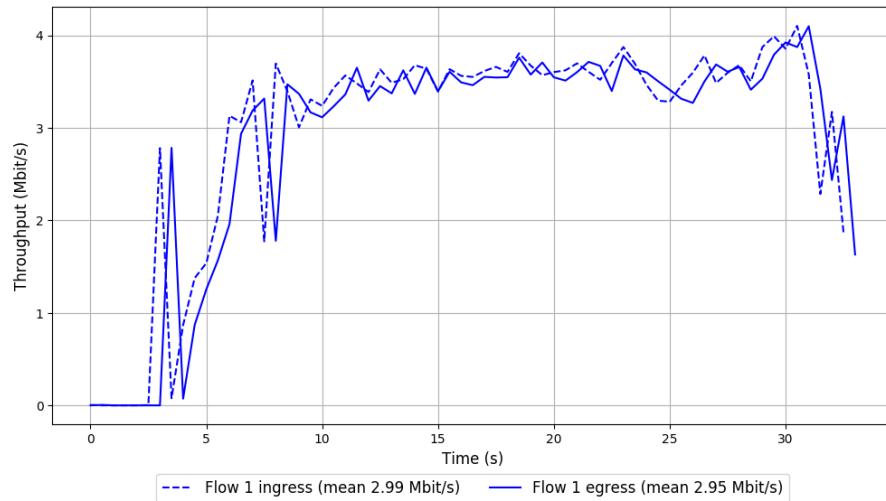


Run 6: Statistics of WebRTC media

```
Start at: 2018-06-30 08:53:23
End at: 2018-06-30 08:53:53
Local clock offset: 0.501 ms
Remote clock offset: 2.298 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 39.300 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 39.300 ms
Loss rate: 1.40%
```

Run 6: Report of WebRTC media — Data Link

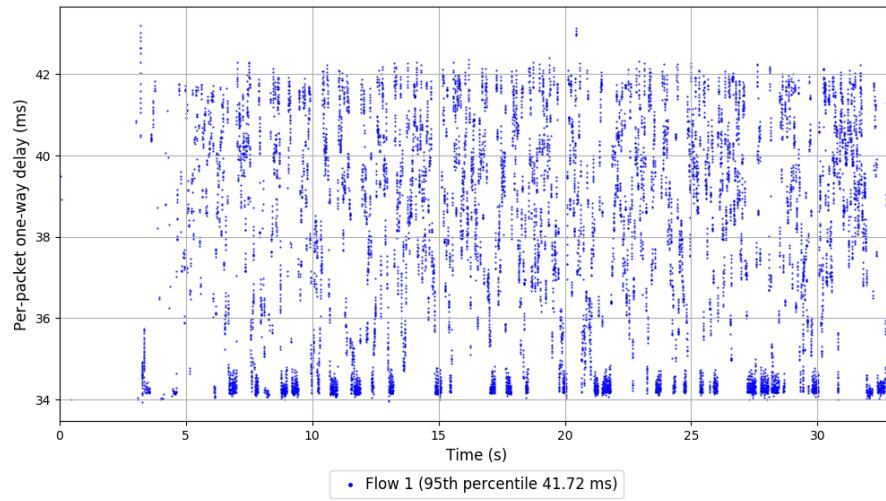
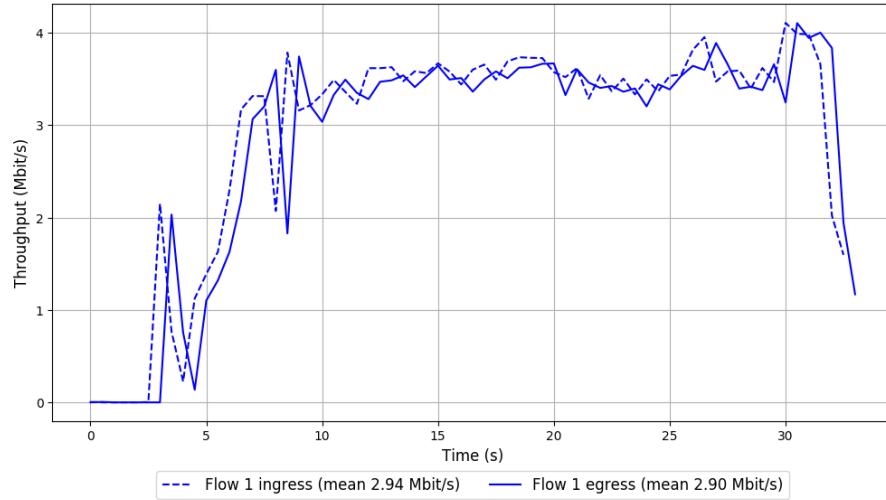


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-30 09:19:16
End at: 2018-06-30 09:19:46
Local clock offset: 0.256 ms
Remote clock offset: 2.095 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 41.722 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 41.722 ms
Loss rate: 1.79%
```

Run 7: Report of WebRTC media — Data Link

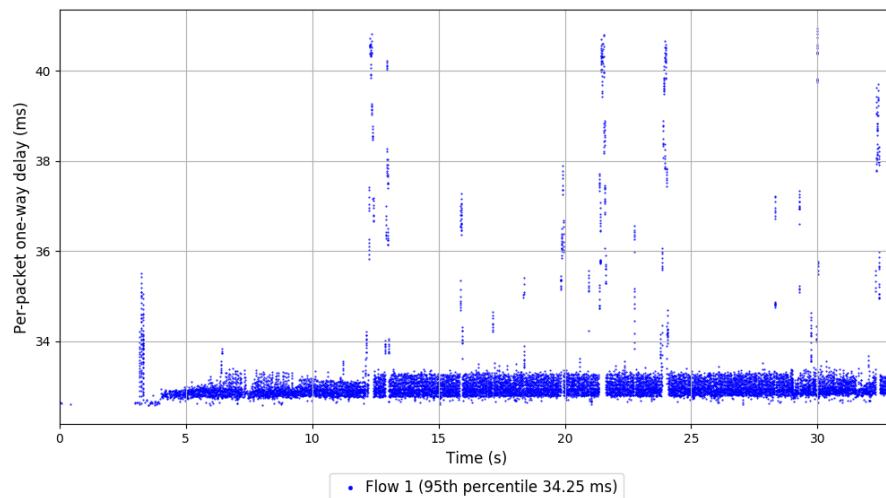
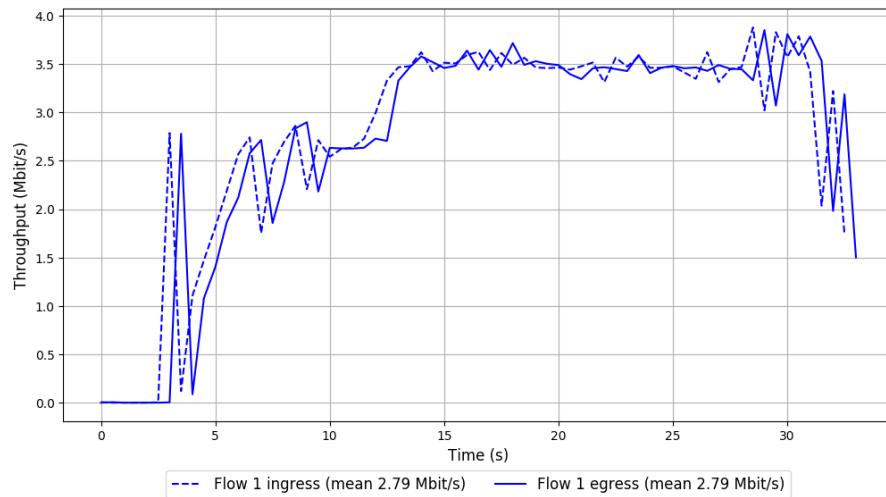


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-30 09:42:31
End at: 2018-06-30 09:43:01
Local clock offset: 0.174 ms
Remote clock offset: 4.281 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 34.254 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 34.254 ms
Loss rate: 0.38%
```

Run 8: Report of WebRTC media — Data Link

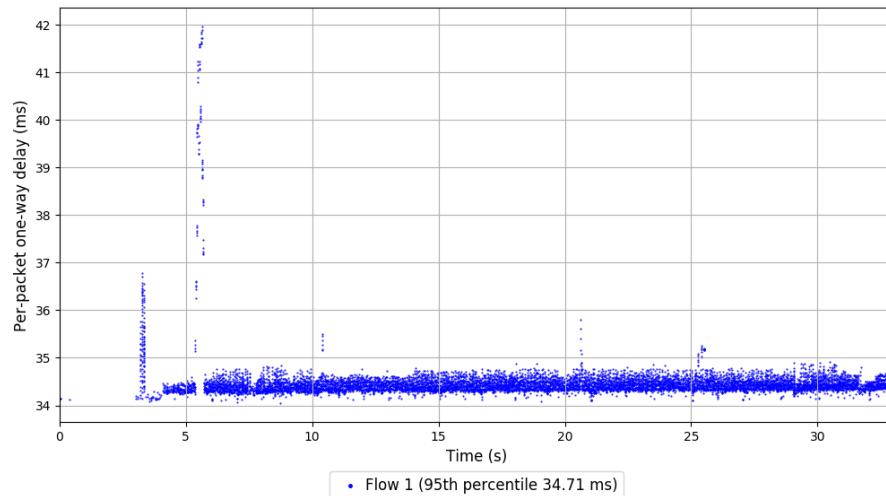
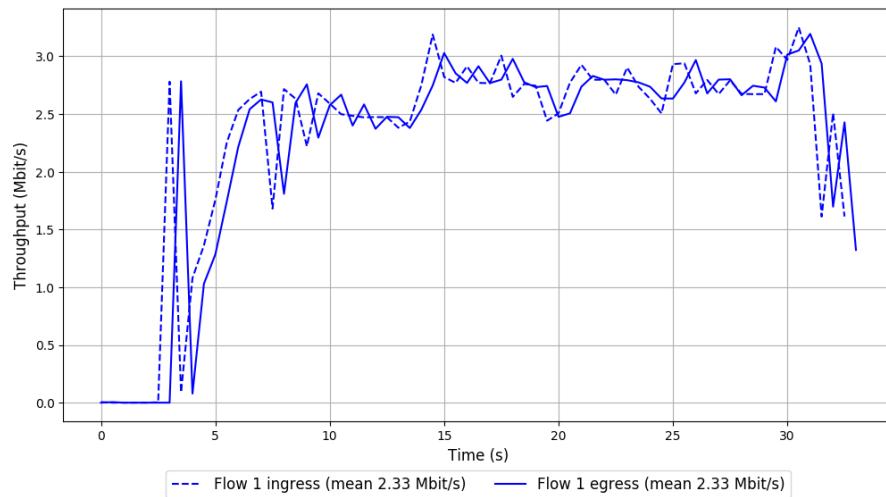


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-30 10:05:13
End at: 2018-06-30 10:05:43
Local clock offset: 0.259 ms
Remote clock offset: 6.787 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 34.706 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 34.706 ms
Loss rate: 0.32%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-06-30 10:28:17
End at: 2018-06-30 10:28:47
Local clock offset: 0.313 ms
Remote clock offset: 4.833 ms

# Below is generated by plot.py at 2018-06-30 10:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 33.070 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 33.070 ms
Loss rate: 0.24%
```

Run 10: Report of WebRTC media — Data Link

