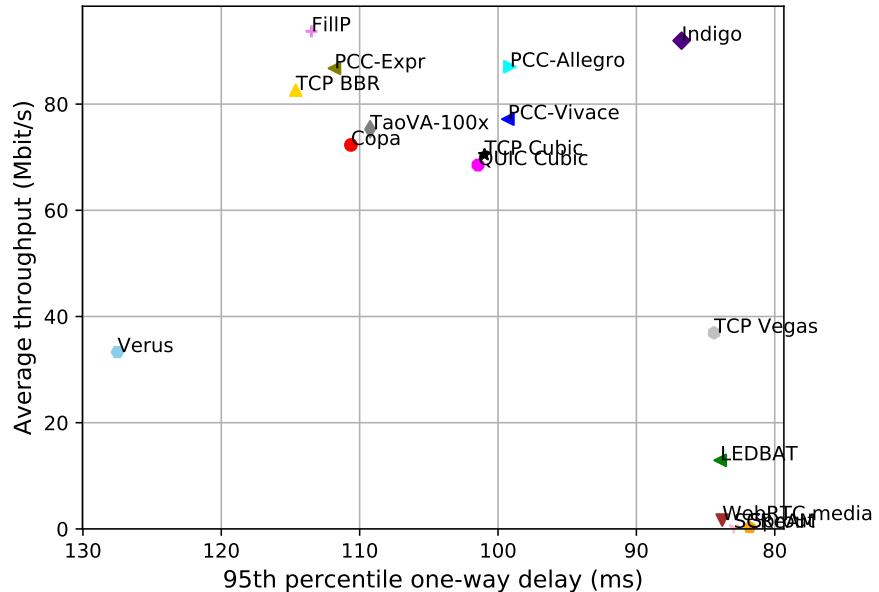


Pantheon Report

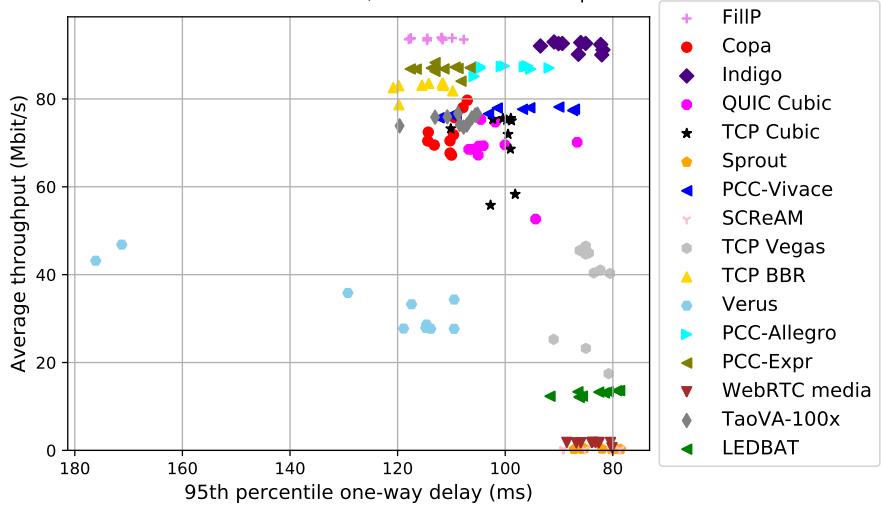
Generated at 2018-05-30 11:52:58 (UTC).
Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

```
Git summary:  
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2  
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834  
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf  
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
  M receiver/src/buffer.h  
  M receiver/src/core.cpp  
  M sender/src/buffer.h  
  M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
  M src/ScreamClient  
  M src/ScreamServer  
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f  
  M src/examples/cellsim.cc  
  M src/examples/sproutbt2.cc  
  M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
  M src/verus.hpp  
  M tools/plot.py  
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4  
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme



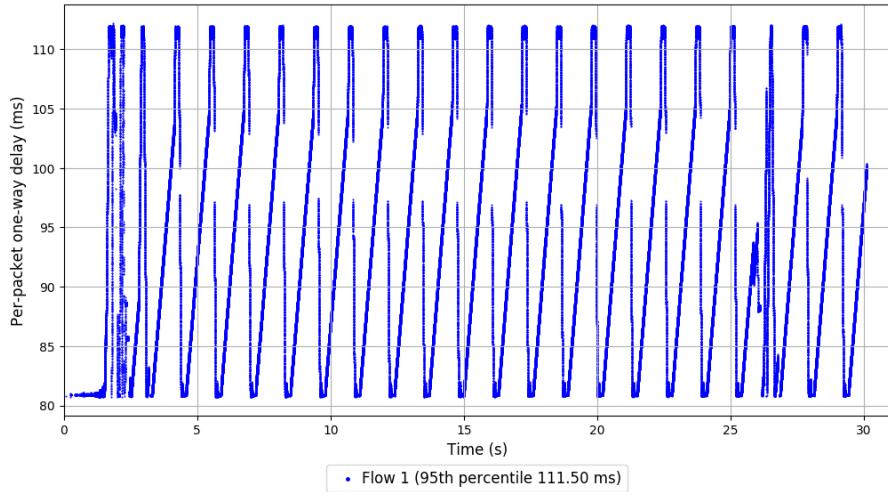
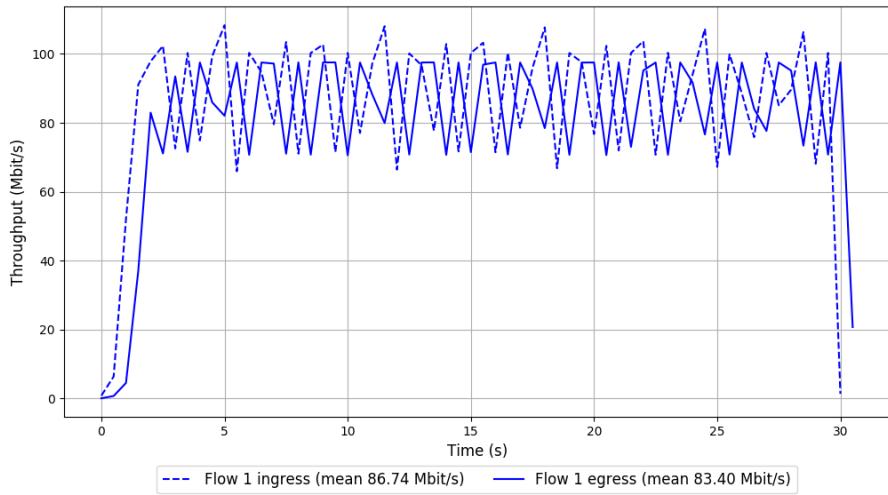
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	82.64	114.61	3.99
Copa	10	72.31	110.63	4.01
TCP Cubic	10	70.46	100.98	0.44
FillP	10	93.71	113.49	8.22
Indigo	10	91.94	86.74	0.84
LEDBAT	10	12.92	83.94	0.01
PCC-Allegro	10	87.04	99.14	1.64
PCC-Expr	10	86.73	111.83	2.60
QUIC Cubic	10	68.52	101.45	0.43
SCReAM	10	0.22	82.96	0.01
Sprout	10	0.29	81.81	0.02
TaoVA-100x	10	75.26	109.25	0.70
TCP Vegas	10	36.93	84.39	0.39
Verus	10	33.30	127.51	31.73
PCC-Vivace	10	77.17	99.29	0.08
WebRTC media	10	1.66	83.80	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-30 08:35:01
End at: 2018-05-30 08:35:31
Local clock offset: -1.461 ms
Remote clock offset: 3.578 ms

# Below is generated by plot.py at 2018-05-30 11:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 111.496 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 111.496 ms
Loss rate: 3.79%
```

Run 1: Report of TCP BBR — Data Link

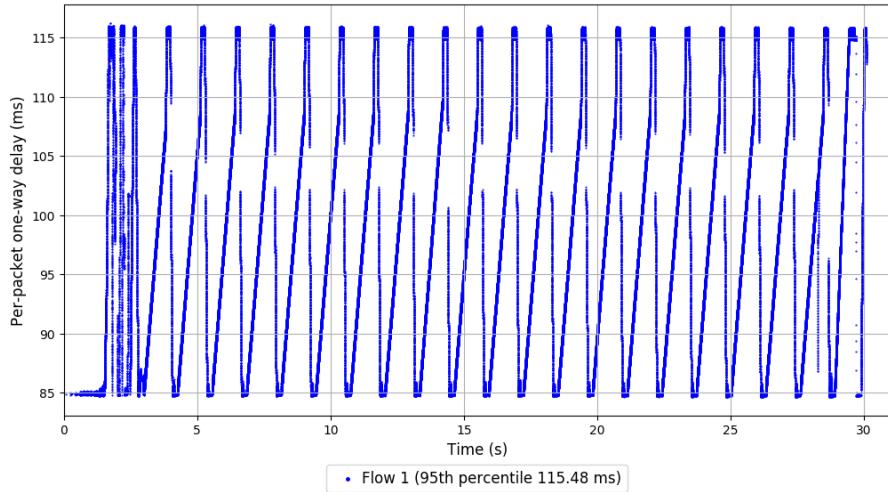
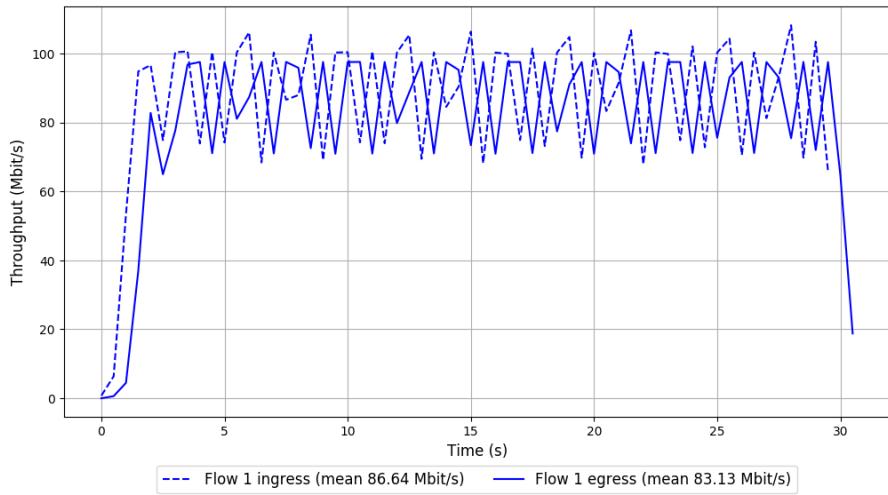


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-30 08:53:41
End at: 2018-05-30 08:54:11
Local clock offset: -1.449 ms
Remote clock offset: 14.223 ms

# Below is generated by plot.py at 2018-05-30 11:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 115.478 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 115.478 ms
Loss rate: 3.96%
```

Run 2: Report of TCP BBR — Data Link

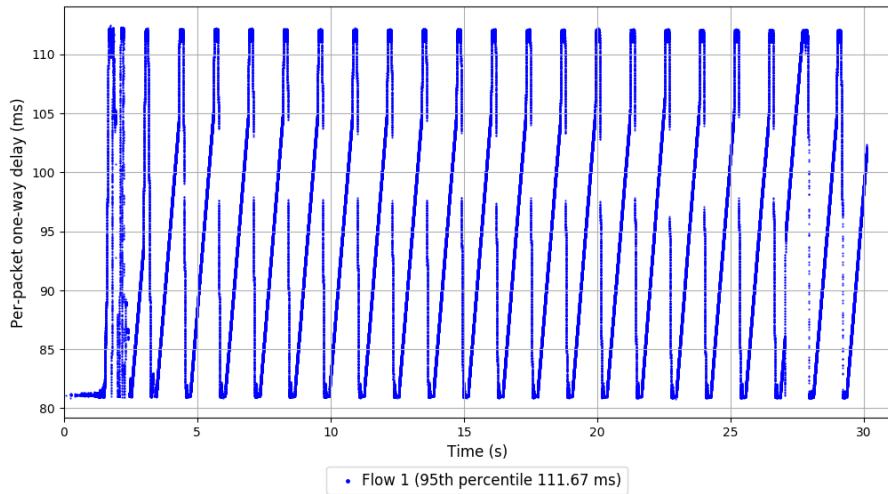
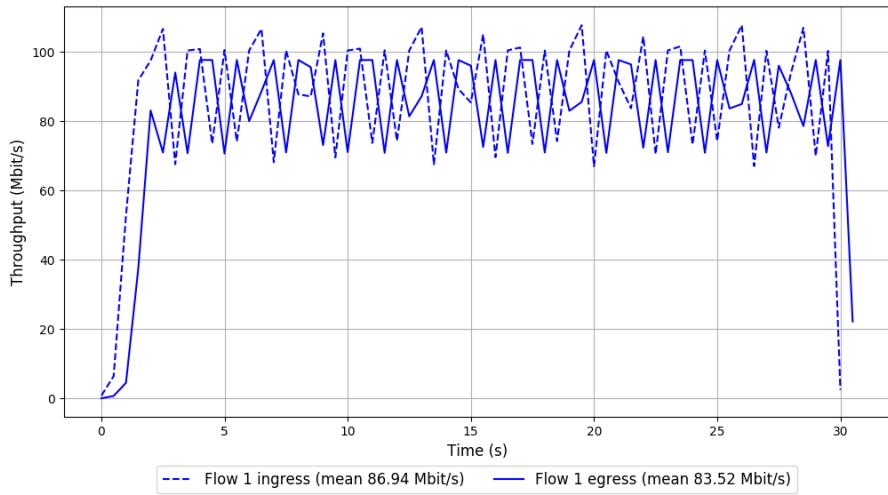


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-30 09:12:21
End at: 2018-05-30 09:12:51
Local clock offset: -0.732 ms
Remote clock offset: 13.255 ms

# Below is generated by plot.py at 2018-05-30 11:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 111.669 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 111.669 ms
Loss rate: 3.87%
```

Run 3: Report of TCP BBR — Data Link

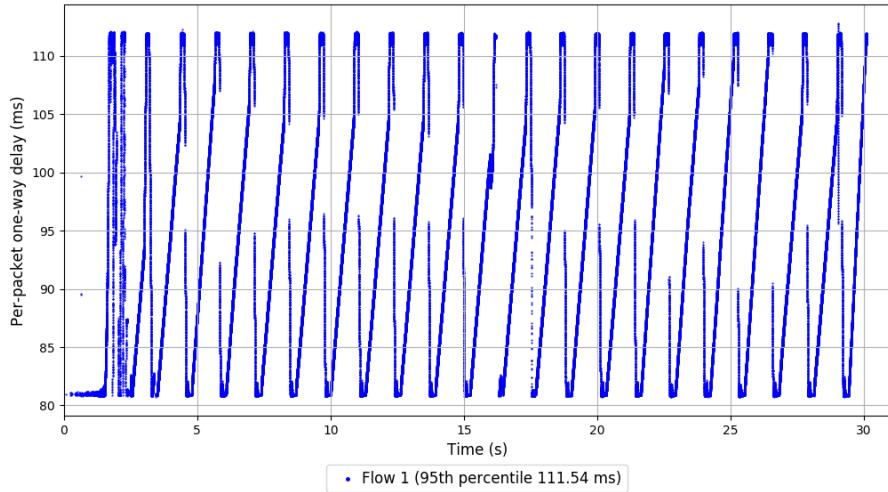
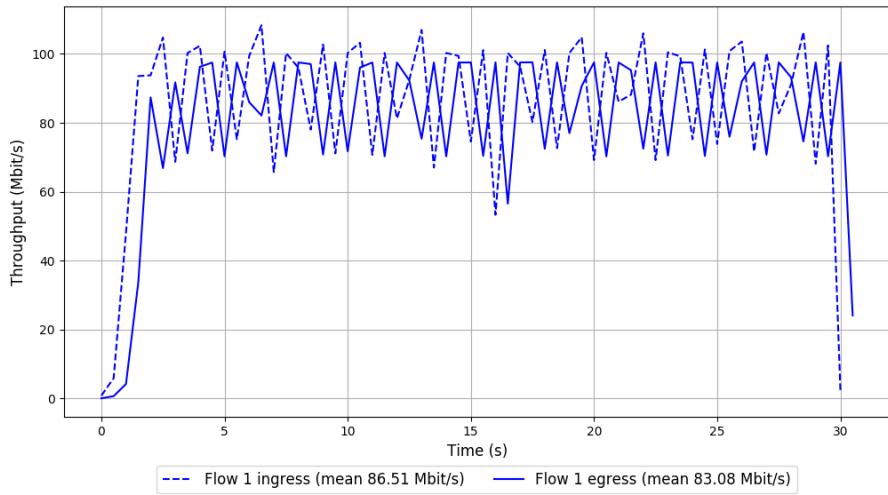


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-30 09:31:01
End at: 2018-05-30 09:31:31
Local clock offset: -1.708 ms
Remote clock offset: 14.137 ms

# Below is generated by plot.py at 2018-05-30 11:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 111.543 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 111.543 ms
Loss rate: 3.87%
```

Run 4: Report of TCP BBR — Data Link

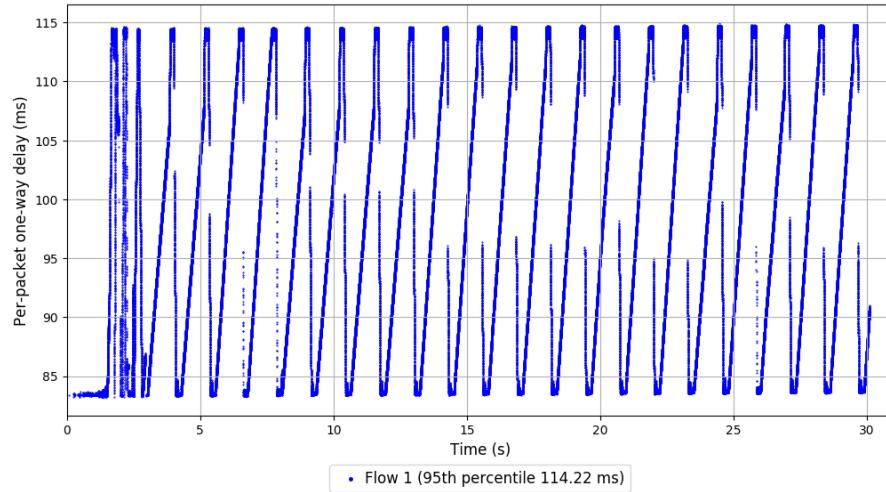
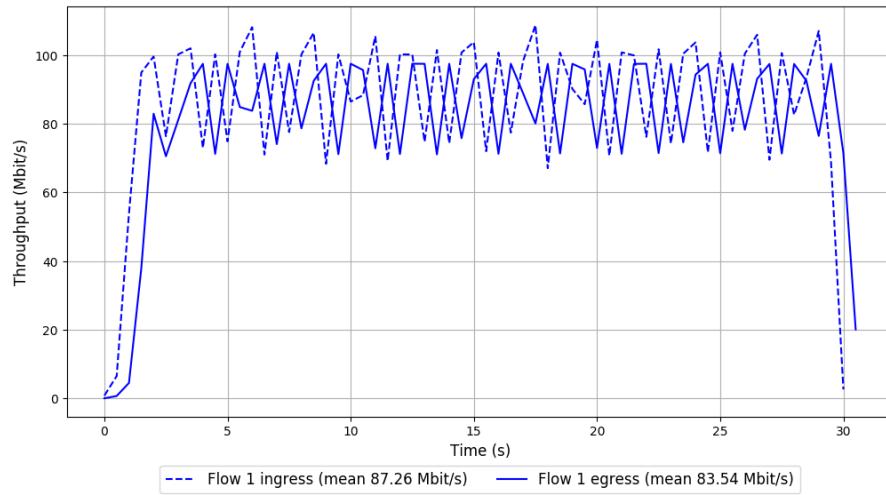


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-30 09:49:41
End at: 2018-05-30 09:50:11
Local clock offset: -1.566 ms
Remote clock offset: 20.02 ms

# Below is generated by plot.py at 2018-05-30 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 114.221 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 114.221 ms
Loss rate: 4.24%
```

Run 5: Report of TCP BBR — Data Link

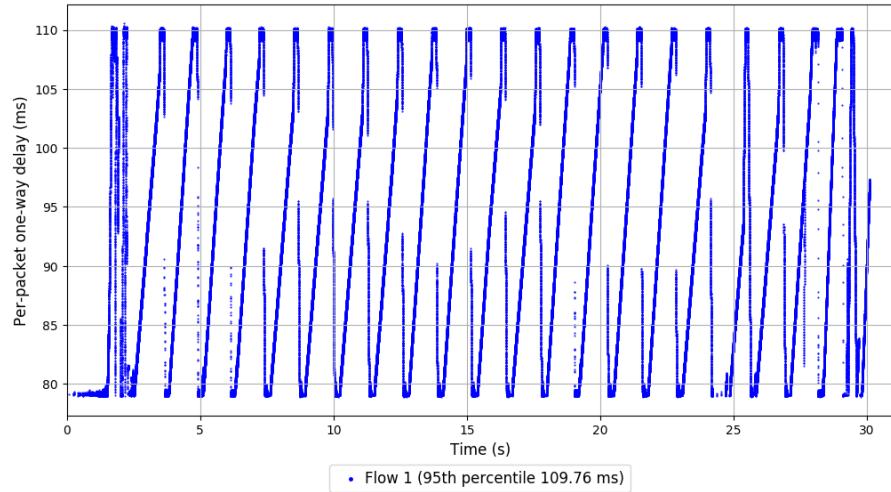
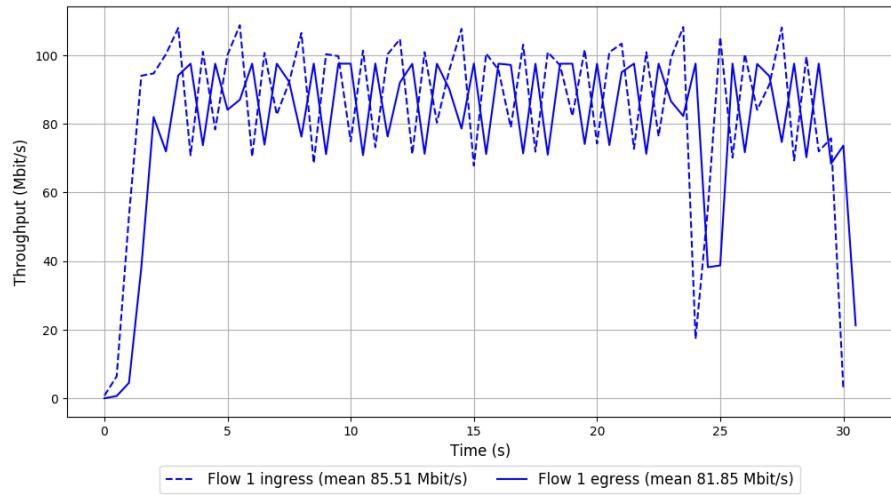


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-30 10:08:20
End at: 2018-05-30 10:08:50
Local clock offset: -2.65 ms
Remote clock offset: 8.928 ms

# Below is generated by plot.py at 2018-05-30 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 109.760 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 109.760 ms
Loss rate: 4.22%
```

Run 6: Report of TCP BBR — Data Link

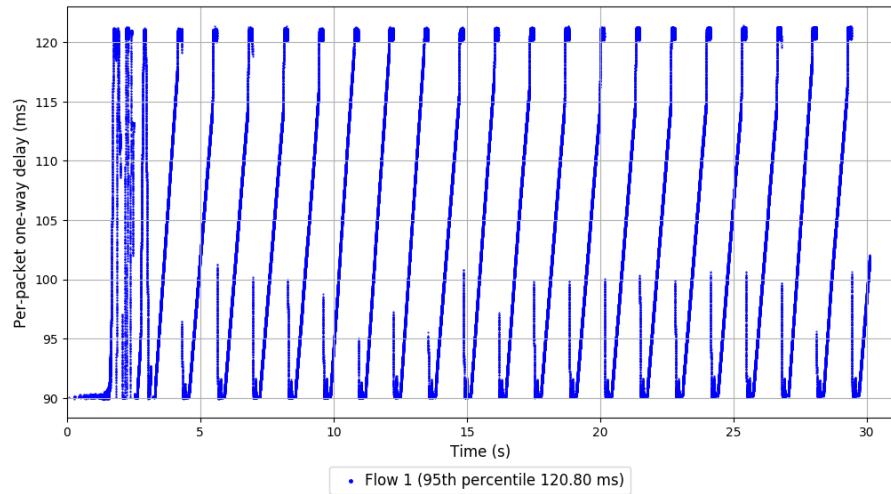
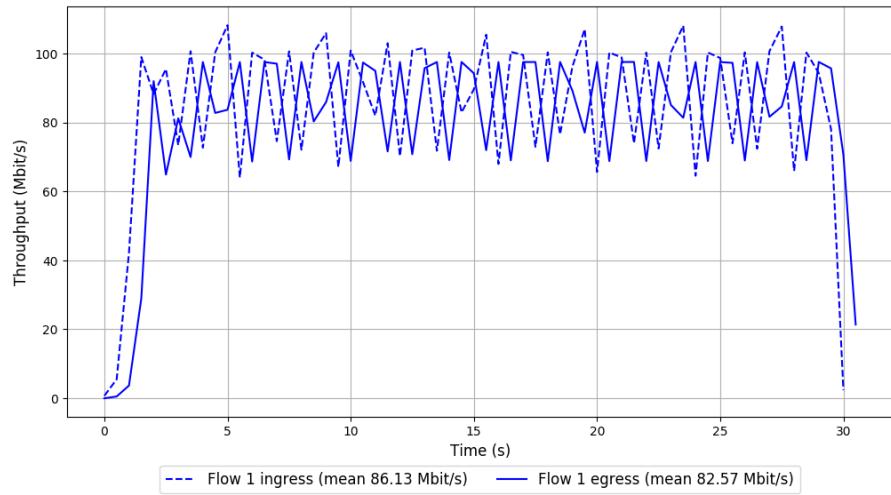


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-30 10:27:05
End at: 2018-05-30 10:27:35
Local clock offset: -3.768 ms
Remote clock offset: 10.584 ms

# Below is generated by plot.py at 2018-05-30 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 120.803 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 120.803 ms
Loss rate: 4.12%
```

Run 7: Report of TCP BBR — Data Link

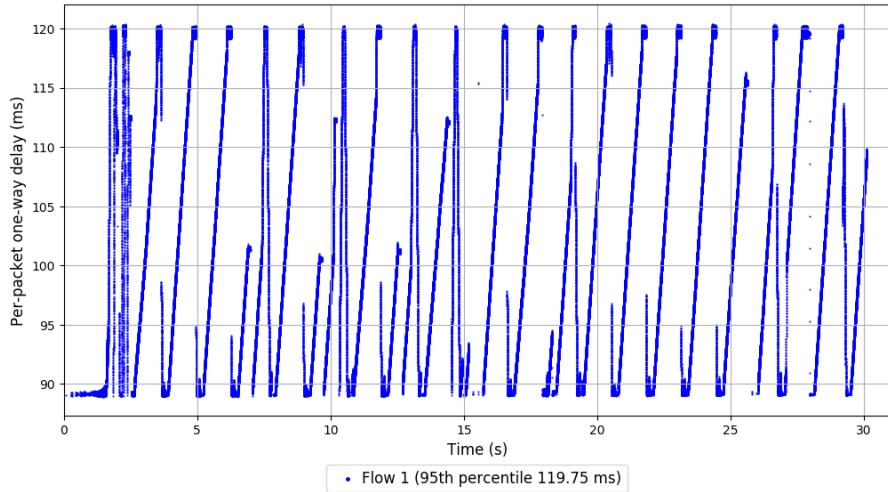
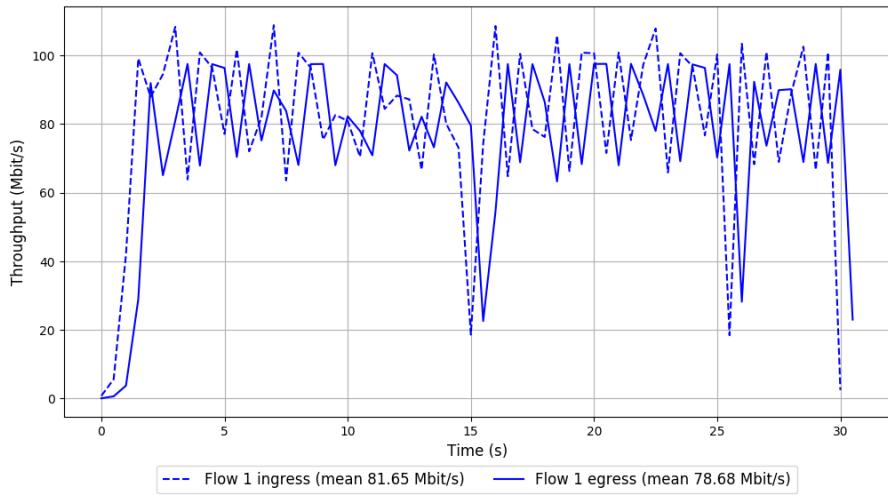


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-30 10:45:48
End at: 2018-05-30 10:46:18
Local clock offset: -1.716 ms
Remote clock offset: 6.712 ms

# Below is generated by plot.py at 2018-05-30 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.68 Mbit/s
95th percentile per-packet one-way delay: 119.752 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 78.68 Mbit/s
95th percentile per-packet one-way delay: 119.752 ms
Loss rate: 3.58%
```

Run 8: Report of TCP BBR — Data Link

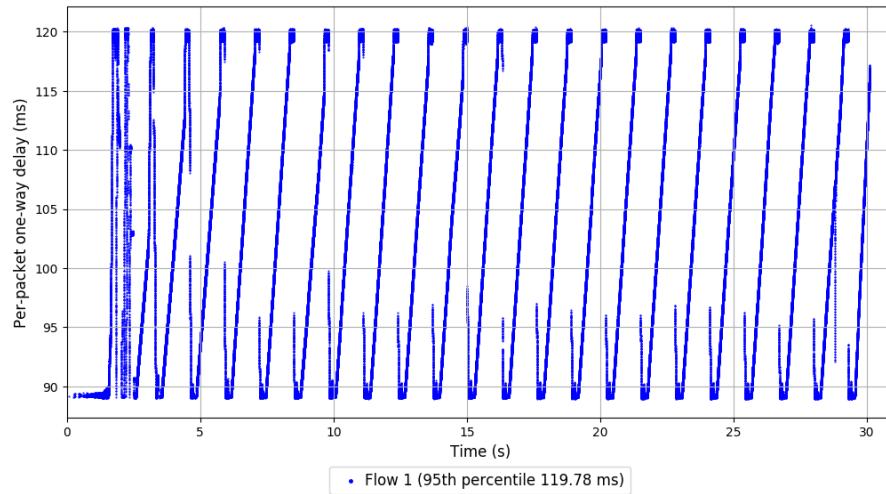
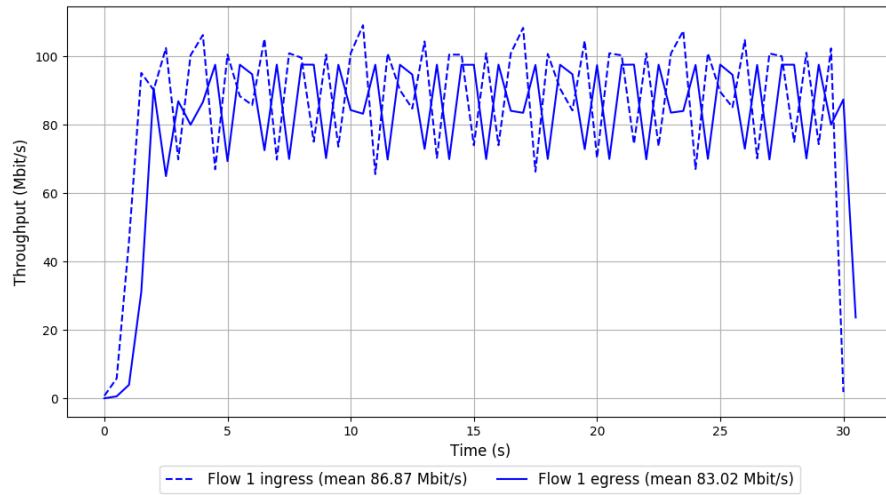


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-30 11:04:27
End at: 2018-05-30 11:04:58
Local clock offset: -2.127 ms
Remote clock offset: 6.619 ms

# Below is generated by plot.py at 2018-05-30 11:36:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.02 Mbit/s
95th percentile per-packet one-way delay: 119.781 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 83.02 Mbit/s
95th percentile per-packet one-way delay: 119.781 ms
Loss rate: 4.35%
```

Run 9: Report of TCP BBR — Data Link

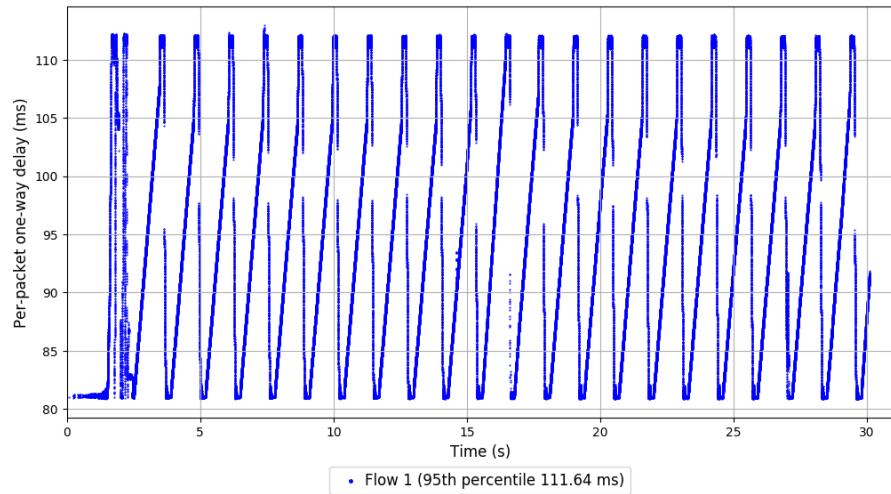
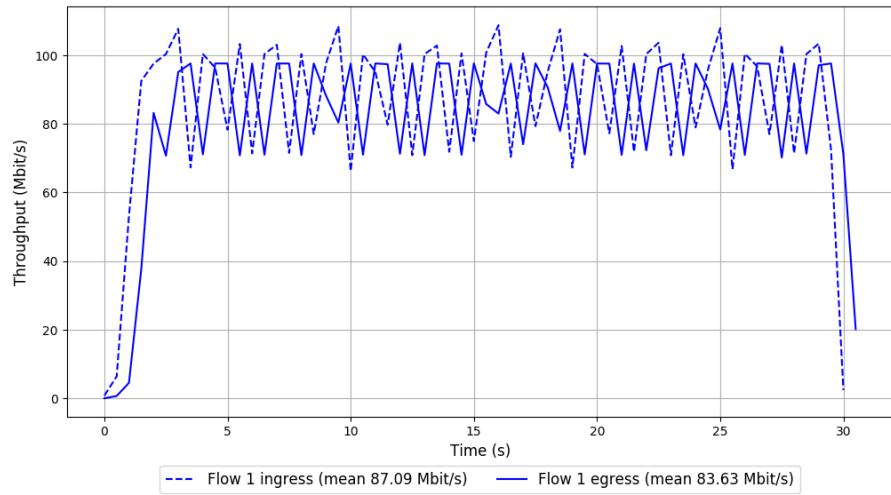


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-30 11:23:12
End at: 2018-05-30 11:23:42
Local clock offset: -6.794 ms
Remote clock offset: 3.202 ms

# Below is generated by plot.py at 2018-05-30 11:36:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 111.645 ms
Loss rate: 3.93%
-- Flow 1:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 111.645 ms
Loss rate: 3.93%
```

Run 10: Report of TCP BBR — Data Link

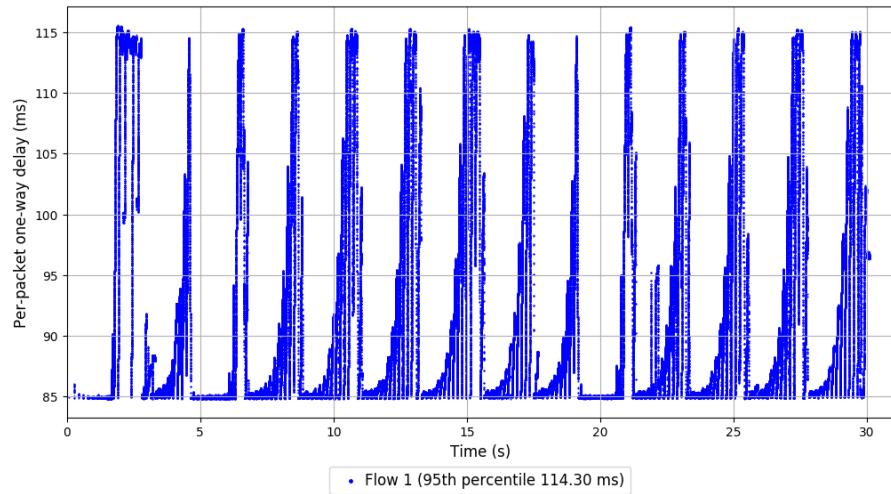
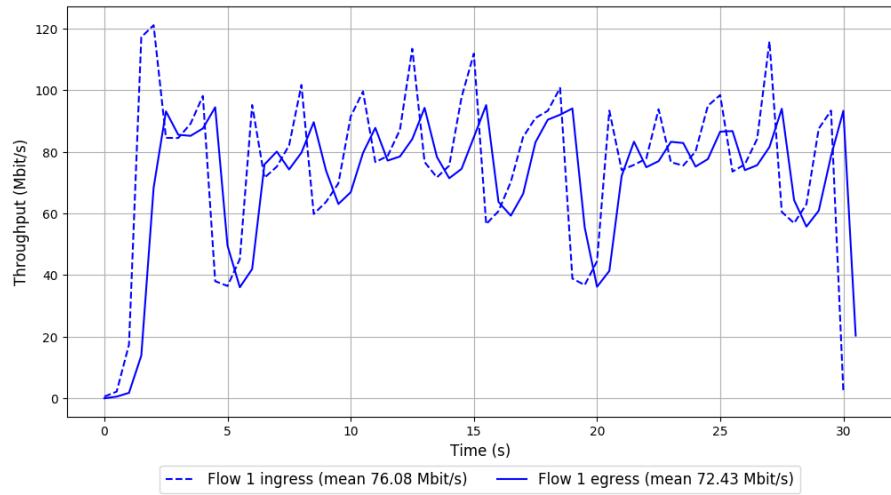


Run 1: Statistics of Copa

```
Start at: 2018-05-30 08:27:47
End at: 2018-05-30 08:28:17
Local clock offset: -0.579 ms
Remote clock offset: 8.68 ms

# Below is generated by plot.py at 2018-05-30 11:37:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 114.299 ms
Loss rate: 4.76%
-- Flow 1:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 114.299 ms
Loss rate: 4.76%
```

Run 1: Report of Copa — Data Link

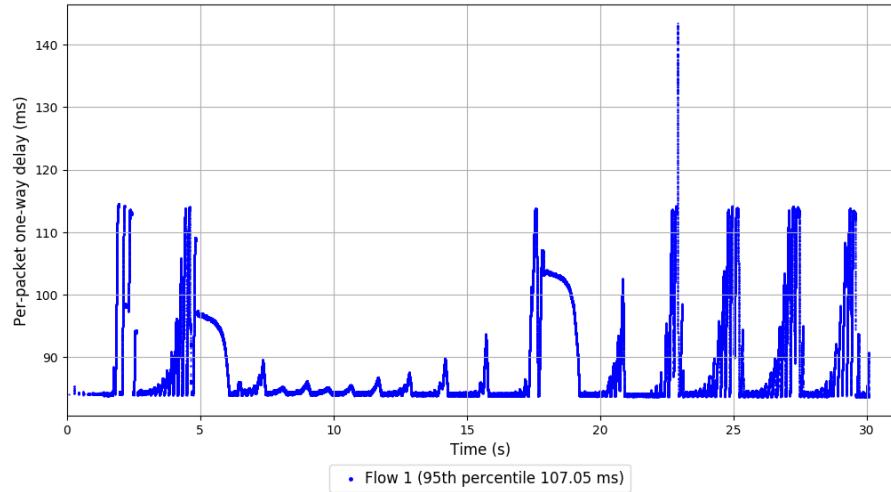
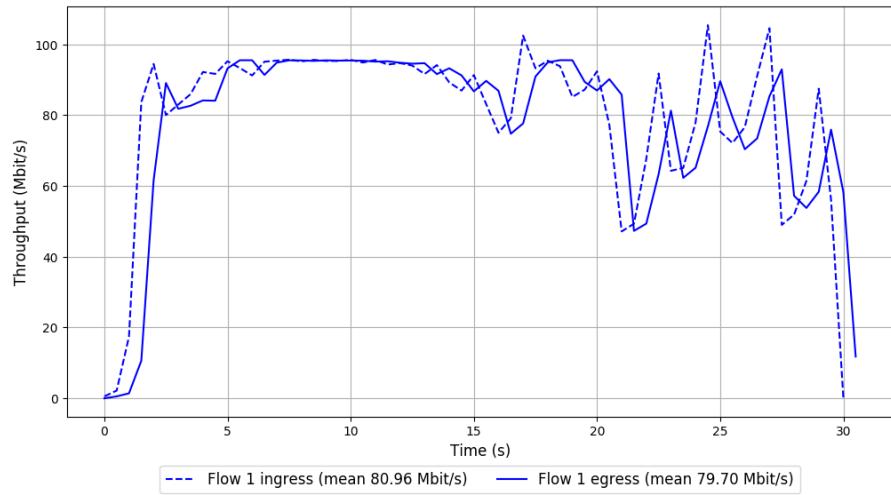


Run 2: Statistics of Copa

```
Start at: 2018-05-30 08:46:29
End at: 2018-05-30 08:46:59
Local clock offset: -0.119 ms
Remote clock offset: 7.983 ms

# Below is generated by plot.py at 2018-05-30 11:37:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.70 Mbit/s
95th percentile per-packet one-way delay: 107.049 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 79.70 Mbit/s
95th percentile per-packet one-way delay: 107.049 ms
Loss rate: 1.60%
```

Run 2: Report of Copa — Data Link

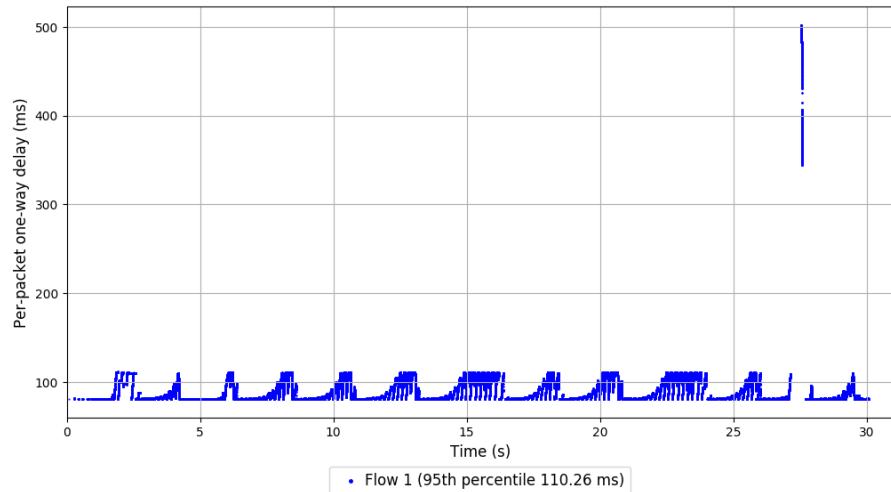
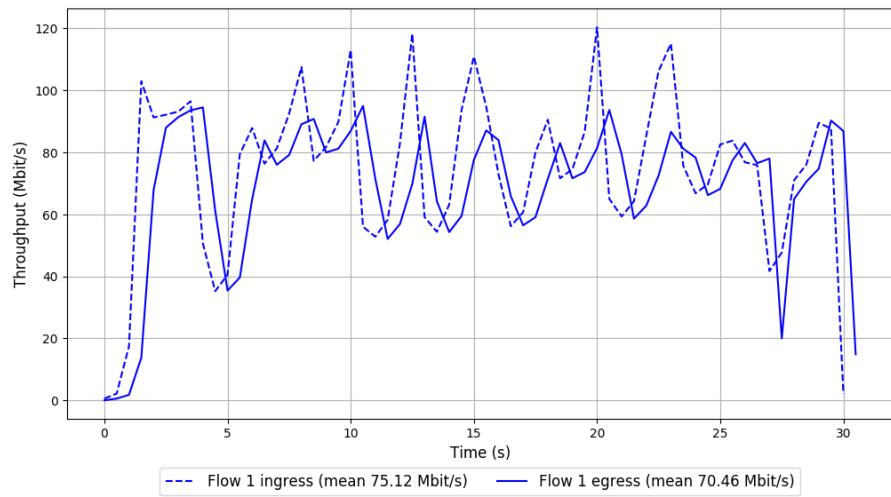


Run 3: Statistics of Copa

```
Start at: 2018-05-30 09:05:10
End at: 2018-05-30 09:05:40
Local clock offset: -0.069 ms
Remote clock offset: 11.447 ms

# Below is generated by plot.py at 2018-05-30 11:37:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.46 Mbit/s
95th percentile per-packet one-way delay: 110.258 ms
Loss rate: 6.20%
-- Flow 1:
Average throughput: 70.46 Mbit/s
95th percentile per-packet one-way delay: 110.258 ms
Loss rate: 6.20%
```

Run 3: Report of Copa — Data Link

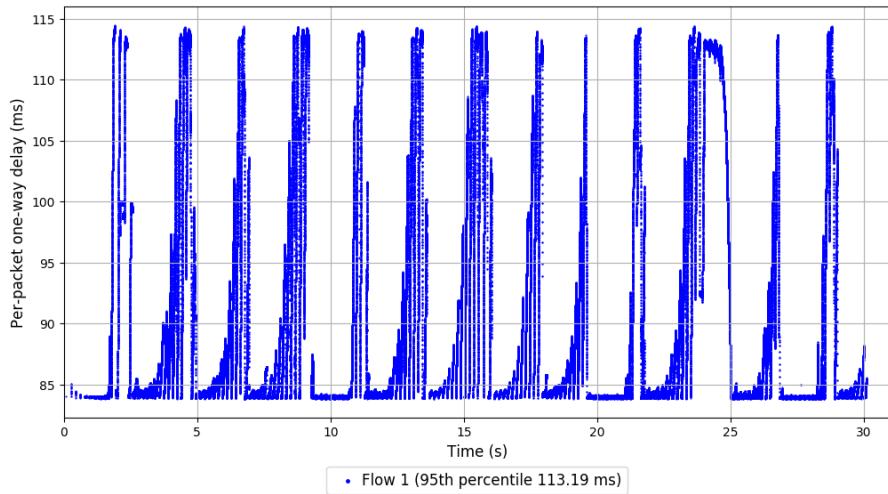
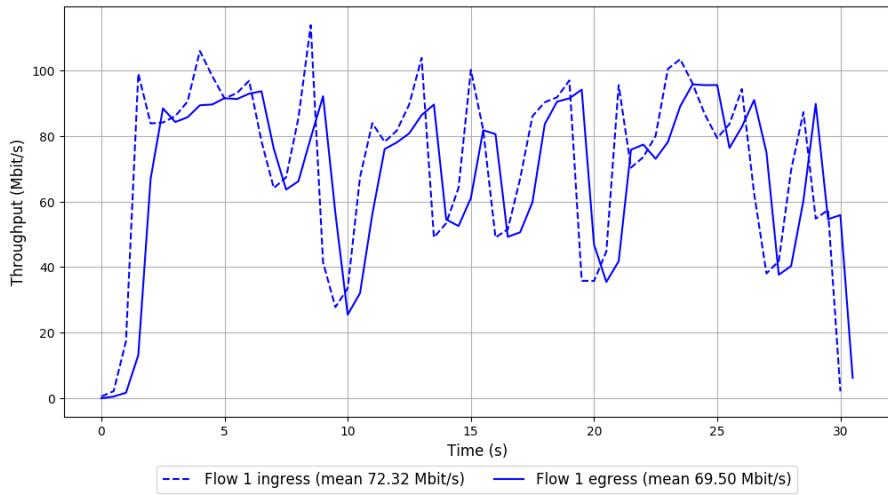


Run 4: Statistics of Copa

```
Start at: 2018-05-30 09:23:49
End at: 2018-05-30 09:24:19
Local clock offset: -1.007 ms
Remote clock offset: 17.396 ms

# Below is generated by plot.py at 2018-05-30 11:37:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 113.192 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 113.192 ms
Loss rate: 3.89%
```

Run 4: Report of Copa — Data Link

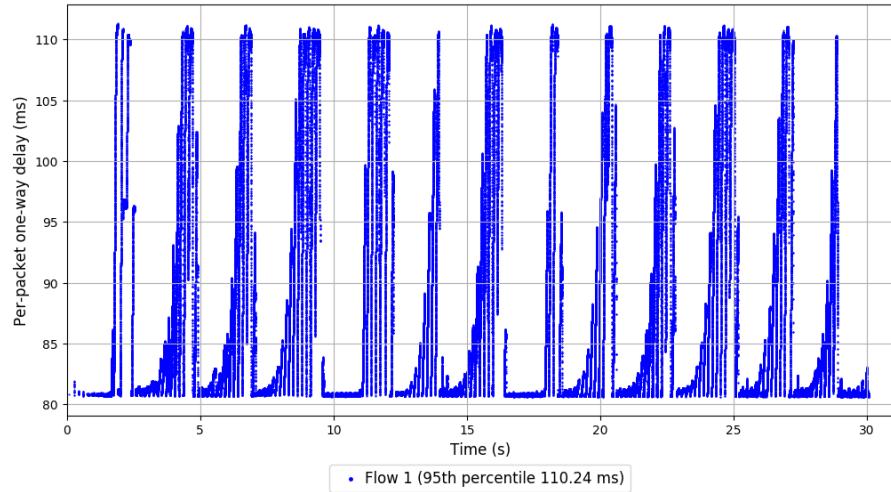
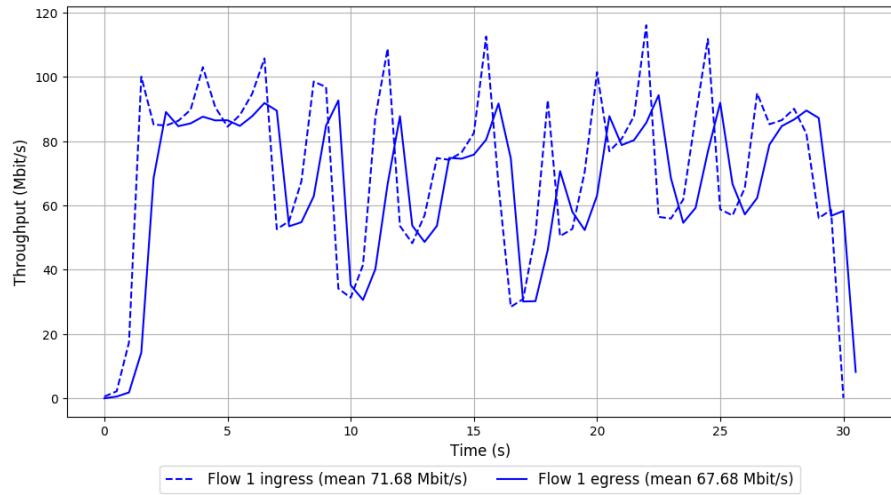


Run 5: Statistics of Copa

```
Start at: 2018-05-30 09:42:30
End at: 2018-05-30 09:43:00
Local clock offset: -0.542 ms
Remote clock offset: 16.01 ms

# Below is generated by plot.py at 2018-05-30 11:37:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 110.240 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 110.240 ms
Loss rate: 5.58%
```

Run 5: Report of Copa — Data Link

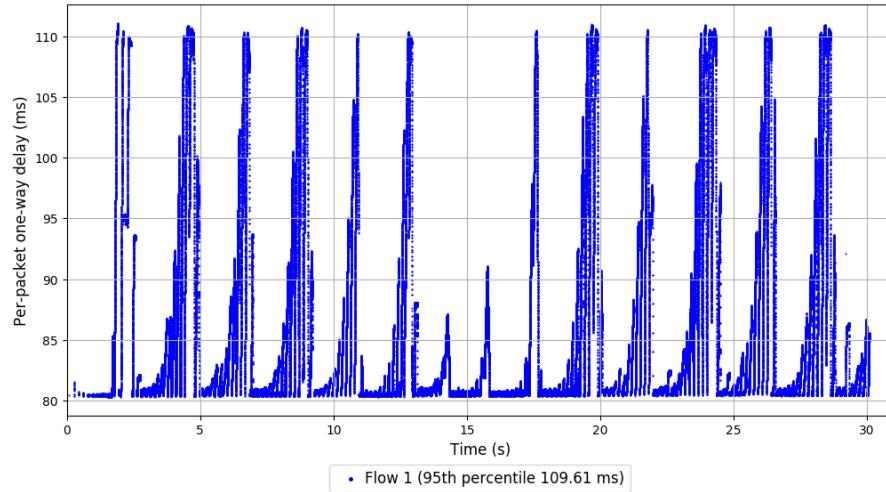
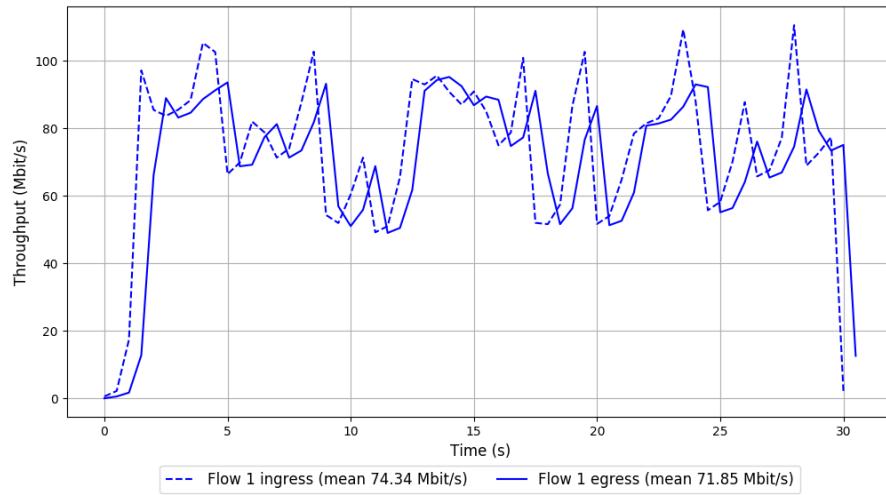


Run 6: Statistics of Copa

```
Start at: 2018-05-30 10:01:09
End at: 2018-05-30 10:01:39
Local clock offset: -0.814 ms
Remote clock offset: 10.197 ms

# Below is generated by plot.py at 2018-05-30 11:37:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 109.614 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 109.614 ms
Loss rate: 3.34%
```

Run 6: Report of Copa — Data Link

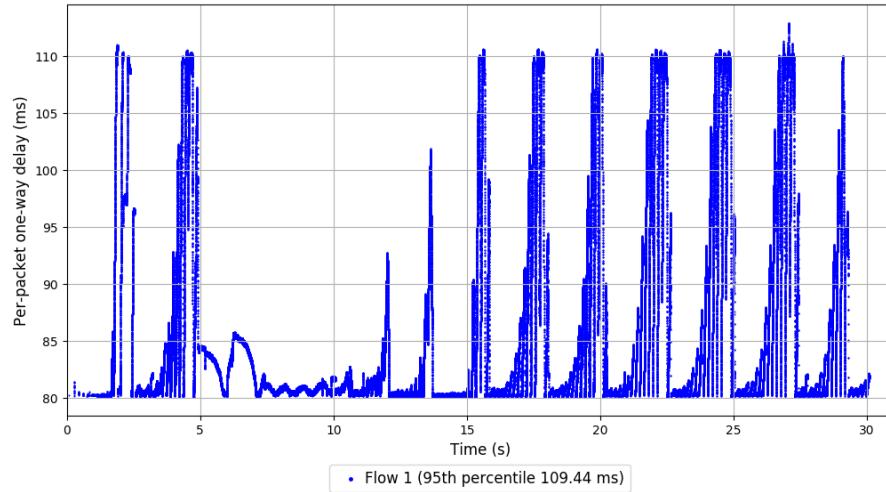
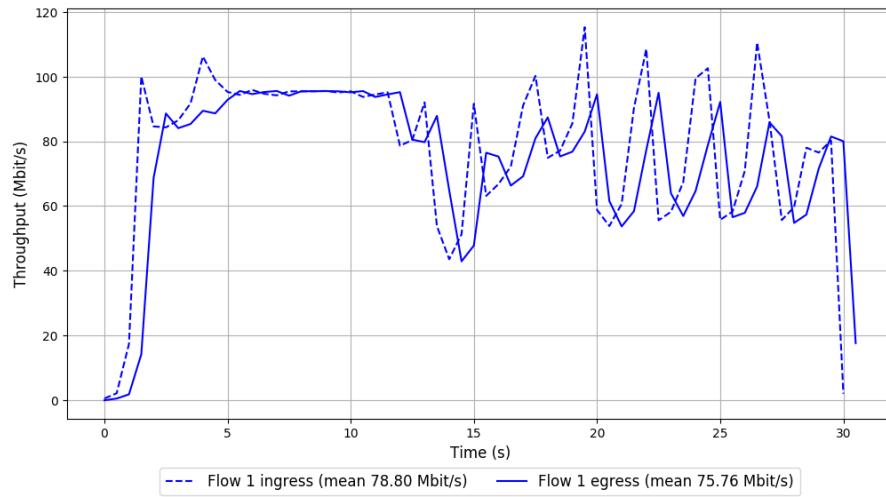


Run 7: Statistics of Copa

```
Start at: 2018-05-30 10:19:47
End at: 2018-05-30 10:20:17
Local clock offset: -1.947 ms
Remote clock offset: 8.907 ms

# Below is generated by plot.py at 2018-05-30 11:38:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.76 Mbit/s
95th percentile per-packet one-way delay: 109.444 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 75.76 Mbit/s
95th percentile per-packet one-way delay: 109.444 ms
Loss rate: 3.85%
```

Run 7: Report of Copa — Data Link

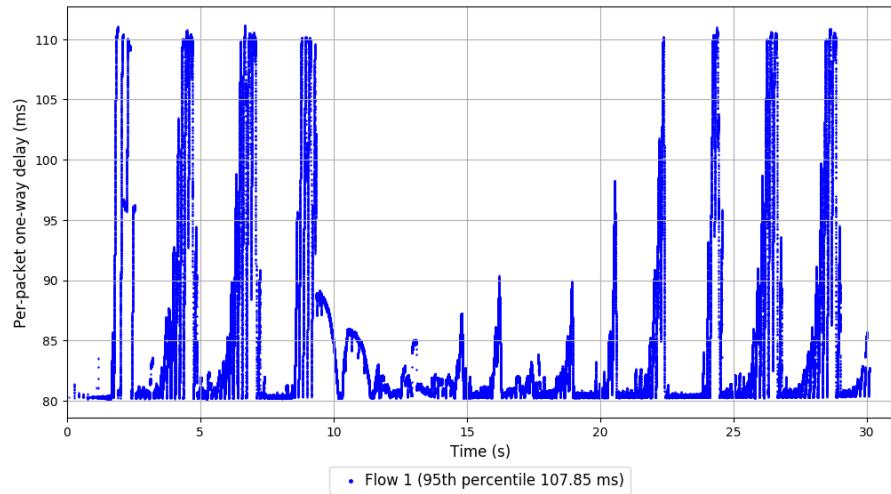
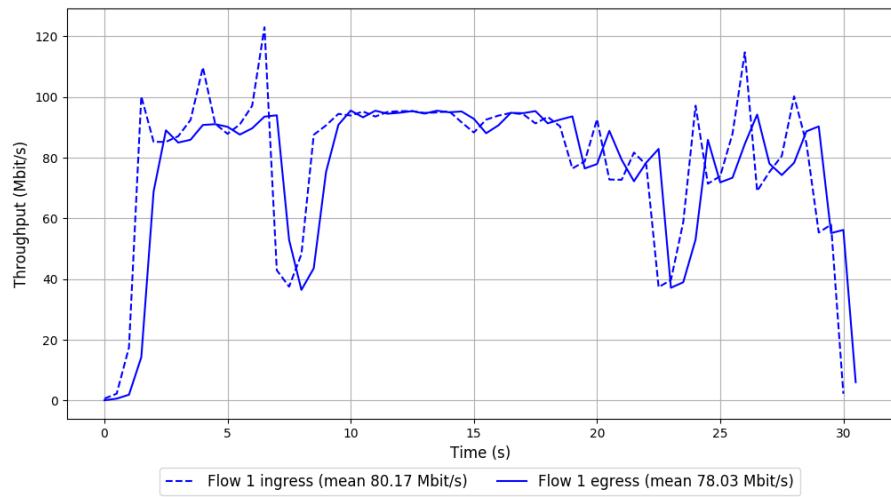


Run 8: Statistics of Copa

```
Start at: 2018-05-30 10:38:34
End at: 2018-05-30 10:39:04
Local clock offset: -3.672 ms
Remote clock offset: 2.284 ms

# Below is generated by plot.py at 2018-05-30 11:38:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 107.849 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 107.849 ms
Loss rate: 2.66%
```

Run 8: Report of Copa — Data Link

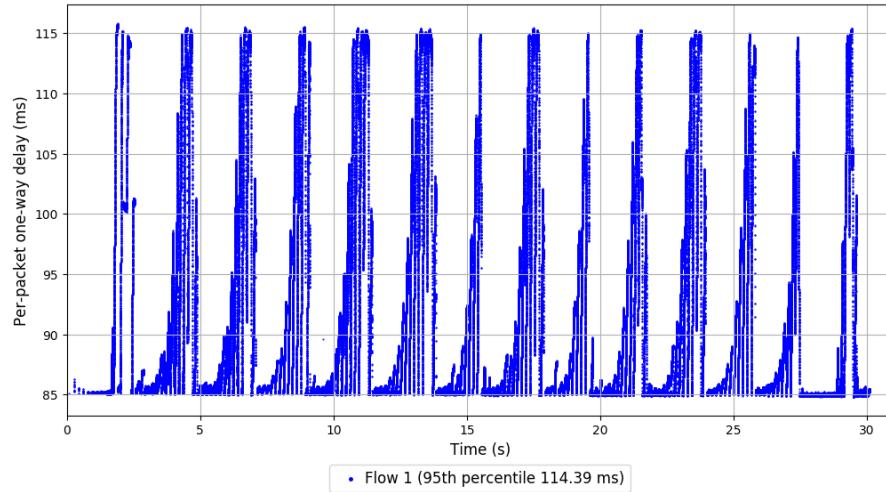
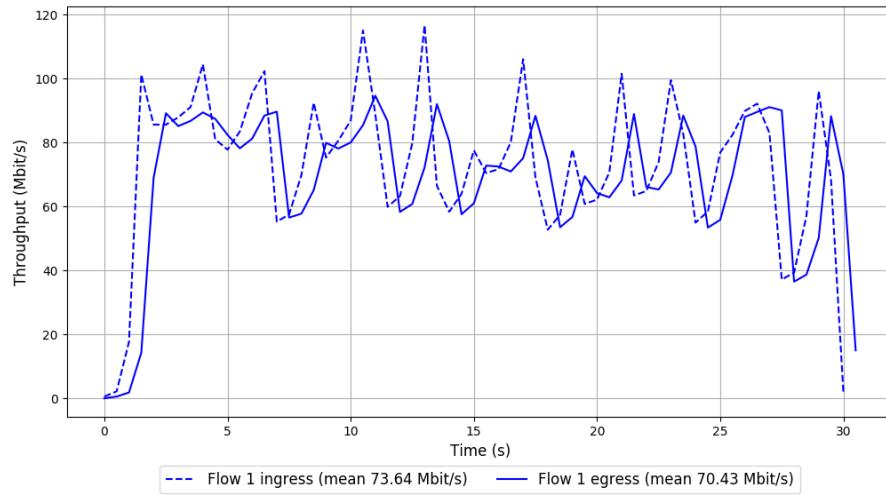


Run 9: Statistics of Copa

```
Start at: 2018-05-30 10:57:16
End at: 2018-05-30 10:57:46
Local clock offset: -1.446 ms
Remote clock offset: 5.459 ms

# Below is generated by plot.py at 2018-05-30 11:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 114.391 ms
Loss rate: 4.36%
-- Flow 1:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 114.391 ms
Loss rate: 4.36%
```

Run 9: Report of Copa — Data Link

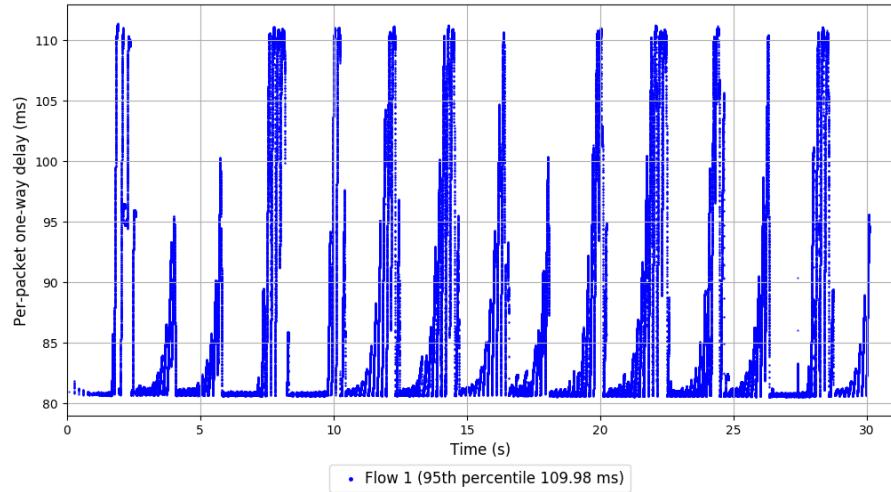
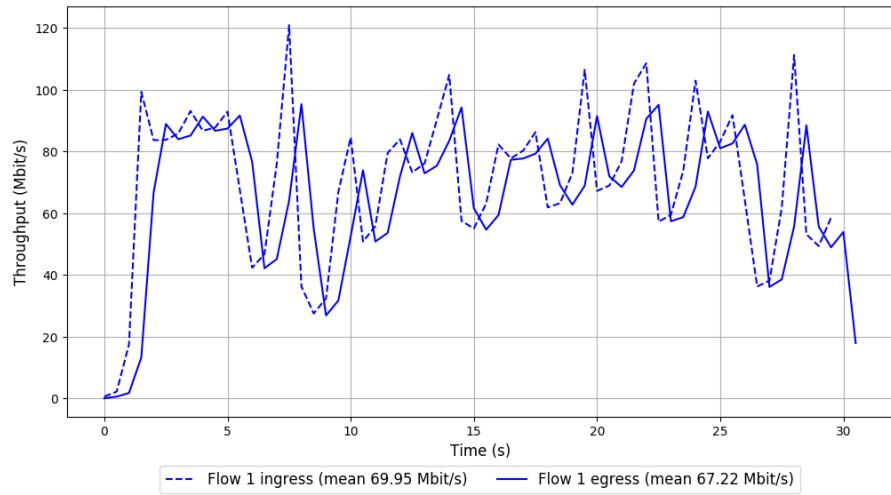


Run 10: Statistics of Copa

```
Start at: 2018-05-30 11:15:55
End at: 2018-05-30 11:16:25
Local clock offset: -5.574 ms
Remote clock offset: 3.222 ms

# Below is generated by plot.py at 2018-05-30 11:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 109.981 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 109.981 ms
Loss rate: 3.86%
```

Run 10: Report of Copa — Data Link

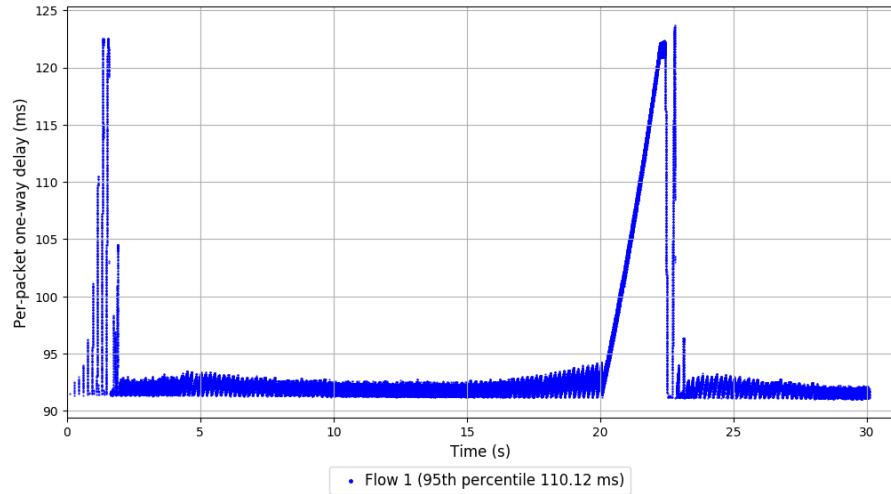
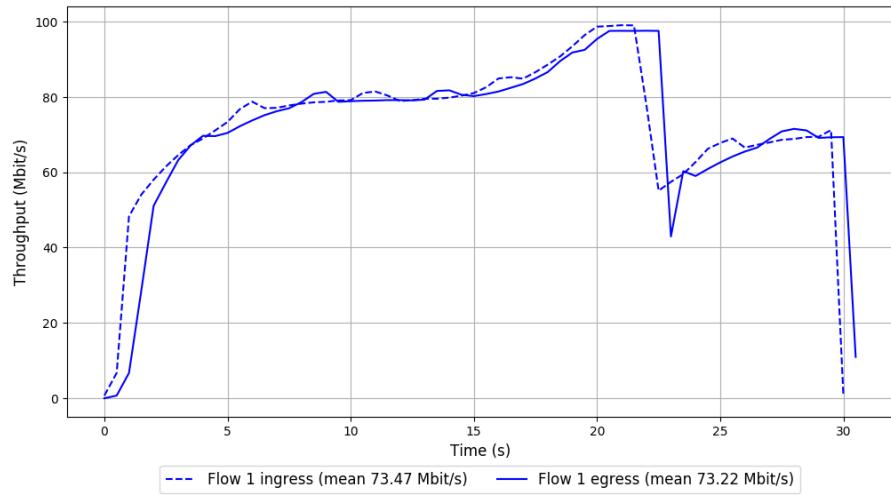


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-30 08:41:52
End at: 2018-05-30 08:42:22
Local clock offset: -0.851 ms
Remote clock offset: 10.319 ms

# Below is generated by plot.py at 2018-05-30 11:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.22 Mbit/s
95th percentile per-packet one-way delay: 110.122 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 73.22 Mbit/s
95th percentile per-packet one-way delay: 110.122 ms
Loss rate: 0.36%
```

Run 1: Report of TCP Cubic — Data Link

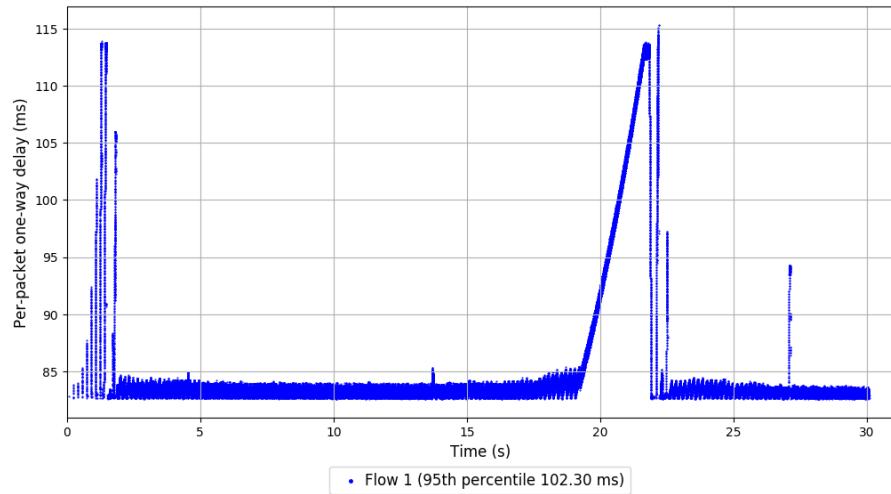
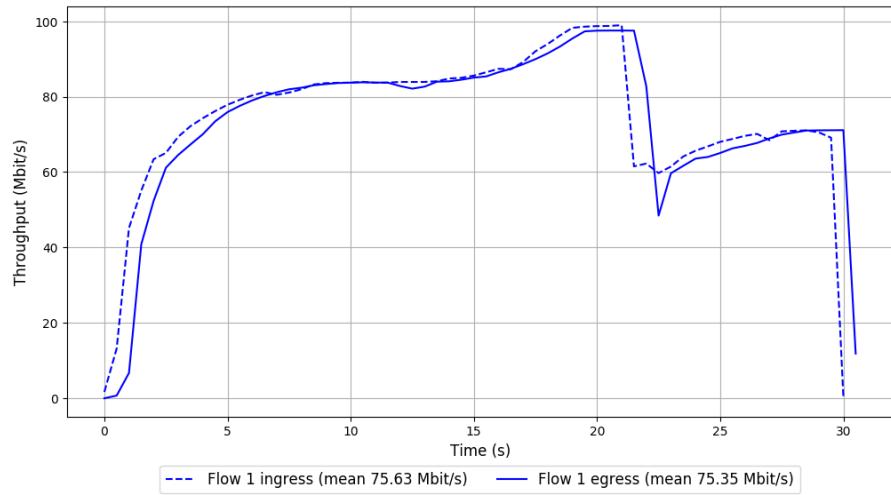


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-30 09:00:33
End at: 2018-05-30 09:01:03
Local clock offset: 0.434 ms
Remote clock offset: 15.797 ms

# Below is generated by plot.py at 2018-05-30 11:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.35 Mbit/s
95th percentile per-packet one-way delay: 102.298 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 75.35 Mbit/s
95th percentile per-packet one-way delay: 102.298 ms
Loss rate: 0.38%
```

Run 2: Report of TCP Cubic — Data Link

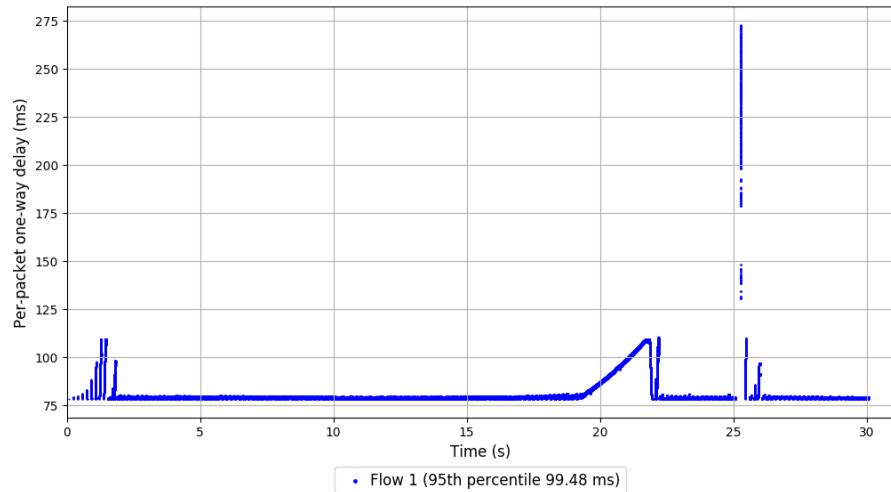
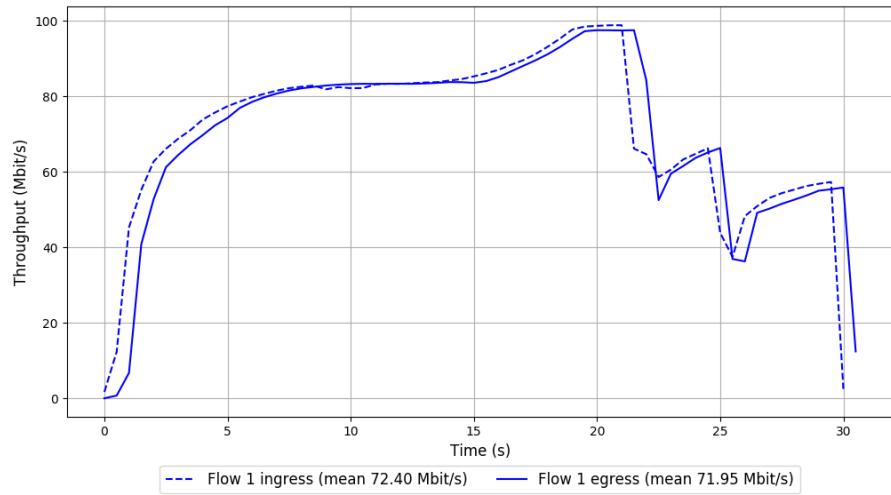


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-30 09:19:12
End at: 2018-05-30 09:19:42
Local clock offset: -0.983 ms
Remote clock offset: 13.059 ms

# Below is generated by plot.py at 2018-05-30 11:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 99.478 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 99.478 ms
Loss rate: 0.61%
```

Run 3: Report of TCP Cubic — Data Link

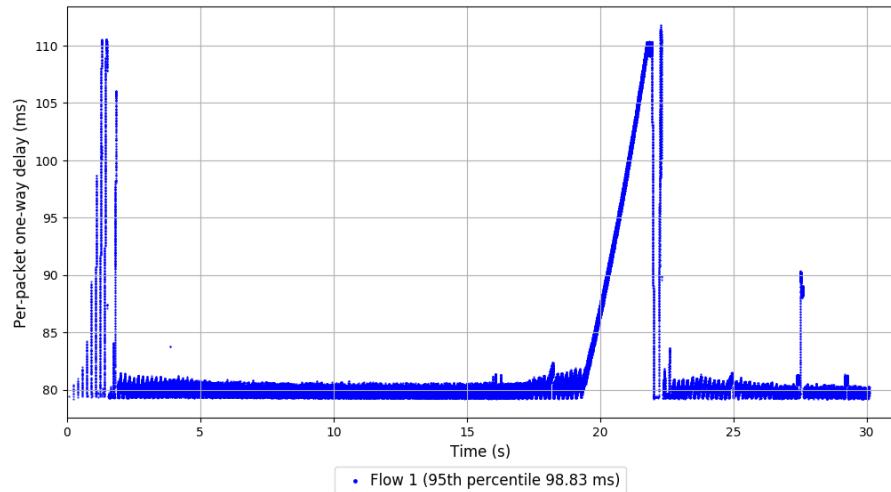
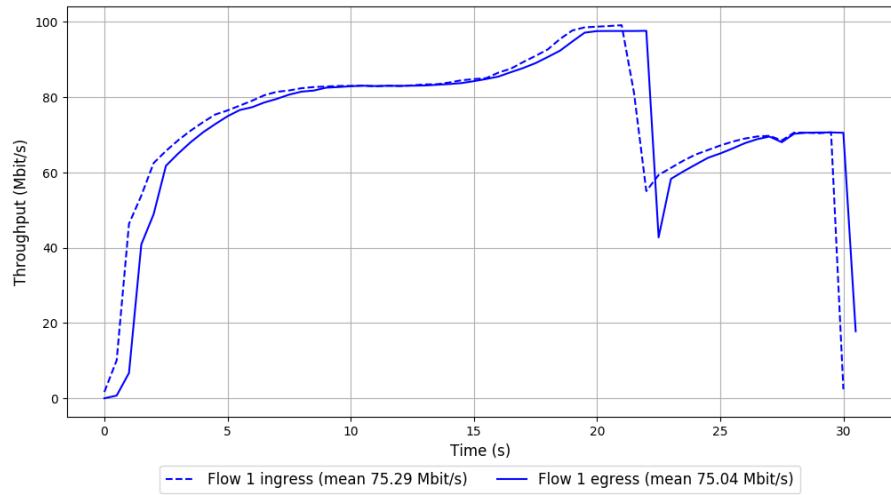


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-30 09:37:52
End at: 2018-05-30 09:38:22
Local clock offset: -0.941 ms
Remote clock offset: 15.63 ms

# Below is generated by plot.py at 2018-05-30 11:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.04 Mbit/s
95th percentile per-packet one-way delay: 98.835 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 75.04 Mbit/s
95th percentile per-packet one-way delay: 98.835 ms
Loss rate: 0.34%
```

Run 4: Report of TCP Cubic — Data Link

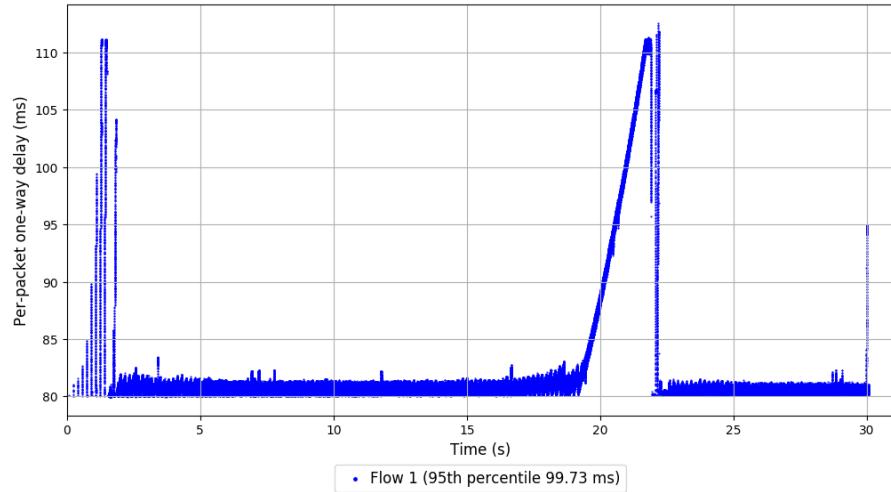
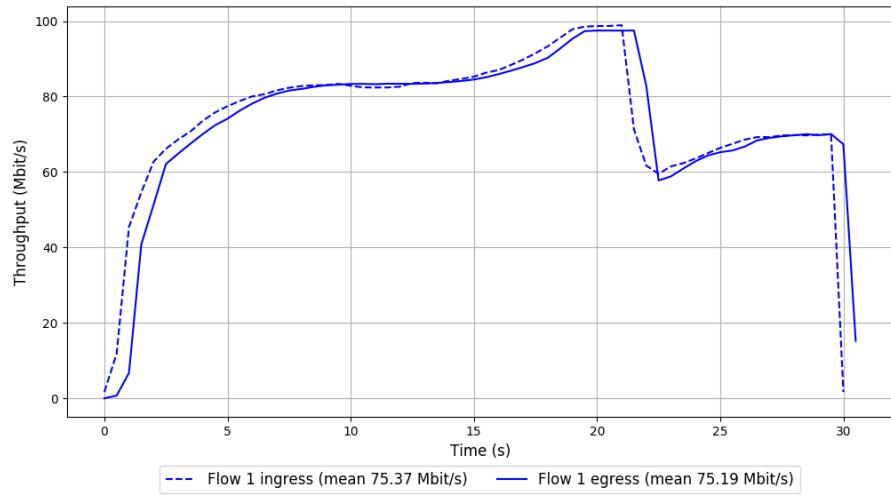


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-30 09:56:31
End at: 2018-05-30 09:57:01
Local clock offset: -0.839 ms
Remote clock offset: 12.277 ms

# Below is generated by plot.py at 2018-05-30 11:38:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 99.735 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 99.735 ms
Loss rate: 0.25%
```

Run 5: Report of TCP Cubic — Data Link

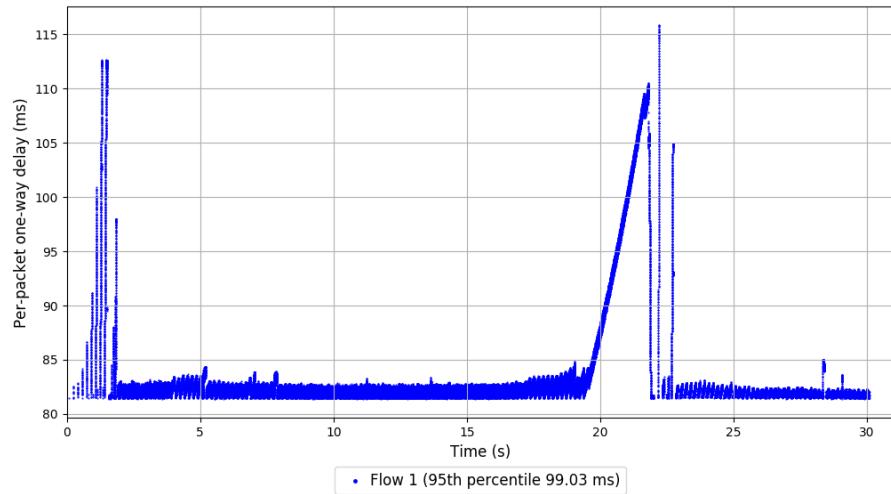
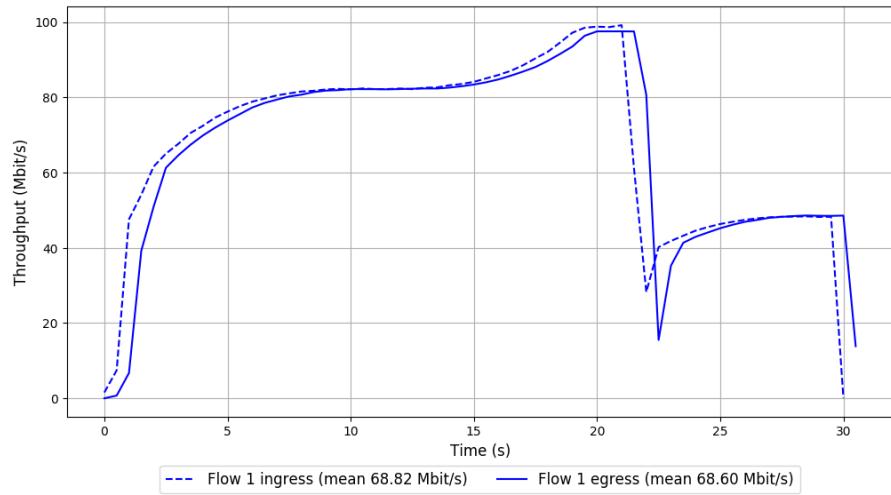


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-30 10:15:10
End at: 2018-05-30 10:15:40
Local clock offset: -2.563 ms
Remote clock offset: 9.265 ms

# Below is generated by plot.py at 2018-05-30 11:38:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: 99.028 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: 99.028 ms
Loss rate: 0.32%
```

Run 6: Report of TCP Cubic — Data Link

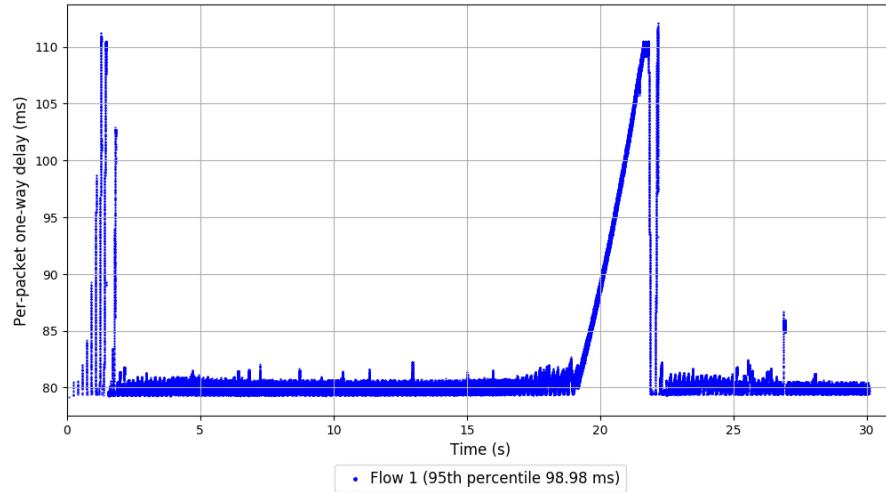
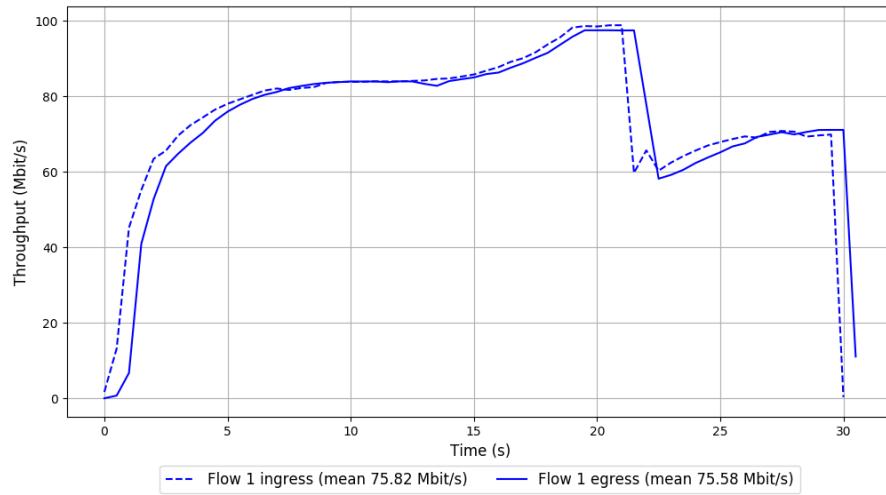


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-30 10:33:56
End at: 2018-05-30 10:34:26
Local clock offset: -3.016 ms
Remote clock offset: 3.204 ms

# Below is generated by plot.py at 2018-05-30 11:39:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 98.977 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 98.977 ms
Loss rate: 0.31%
```

Run 7: Report of TCP Cubic — Data Link

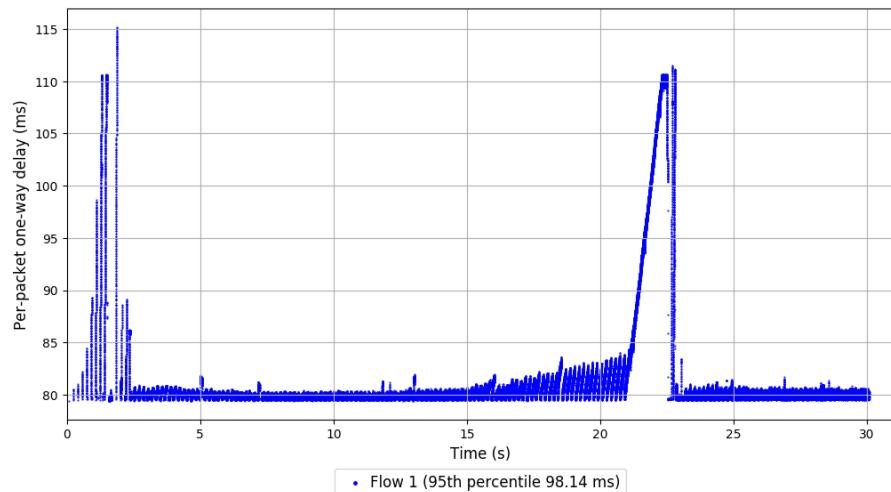
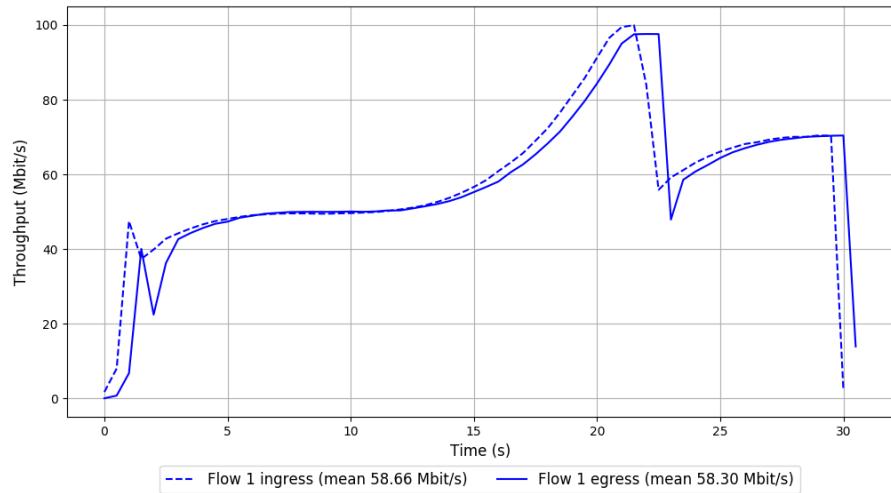


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-30 10:52:39
End at: 2018-05-30 10:53:09
Local clock offset: -1.52 ms
Remote clock offset: 0.165 ms

# Below is generated by plot.py at 2018-05-30 11:39:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 98.138 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 98.138 ms
Loss rate: 0.60%
```

Run 8: Report of TCP Cubic — Data Link

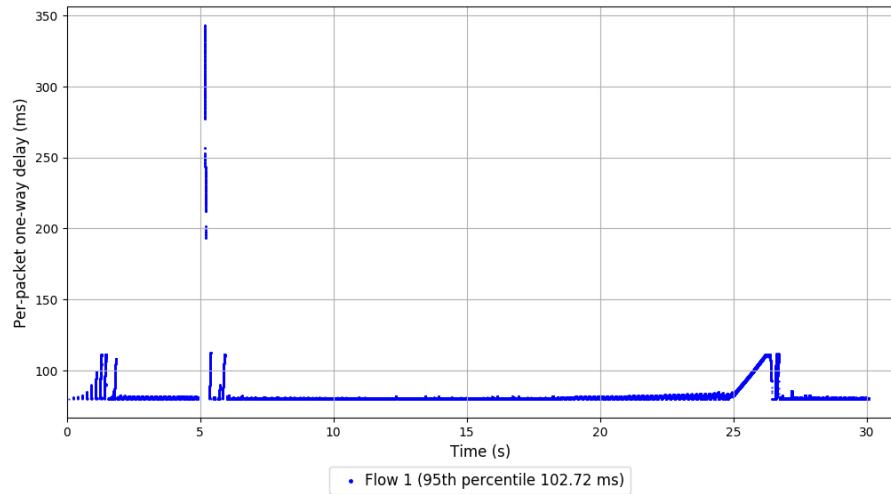
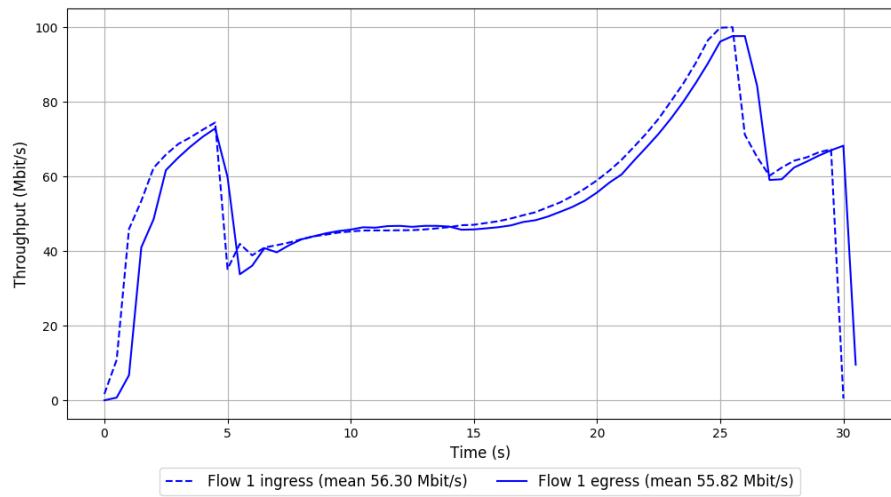


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-30 11:11:19
End at: 2018-05-30 11:11:49
Local clock offset: -5.081 ms
Remote clock offset: 3.181 ms

# Below is generated by plot.py at 2018-05-30 11:39:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 102.724 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 102.724 ms
Loss rate: 0.86%
```

Run 9: Report of TCP Cubic — Data Link

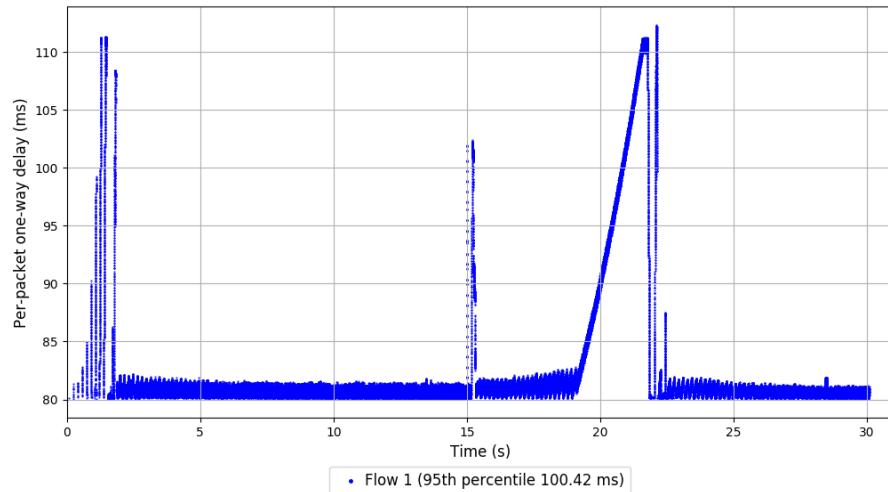
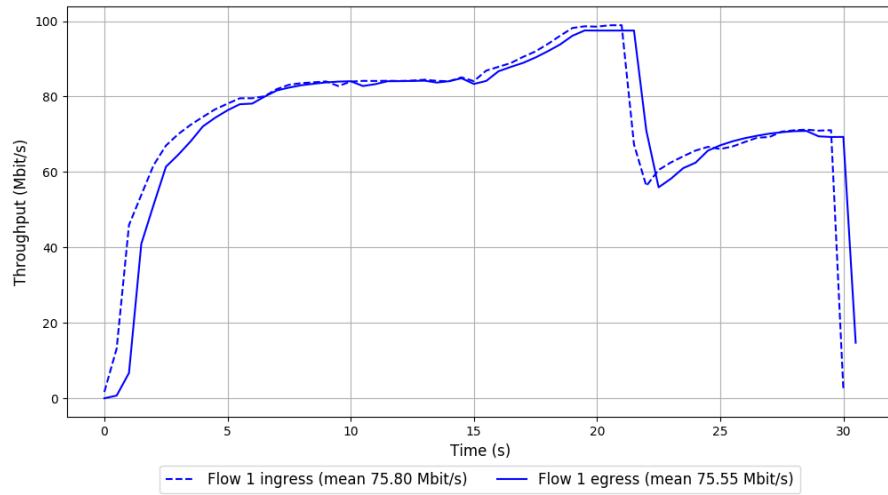


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-05-30 11:30:04
End at: 2018-05-30 11:30:34
Local clock offset: -8.278 ms
Remote clock offset: 2.947 ms

# Below is generated by plot.py at 2018-05-30 11:39:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 100.424 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 100.424 ms
Loss rate: 0.34%
```

Run 10: Report of TCP Cubic — Data Link

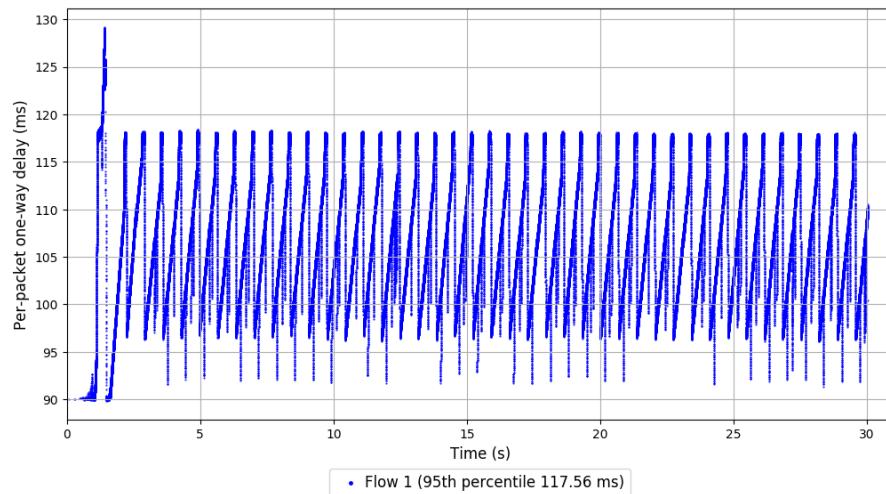
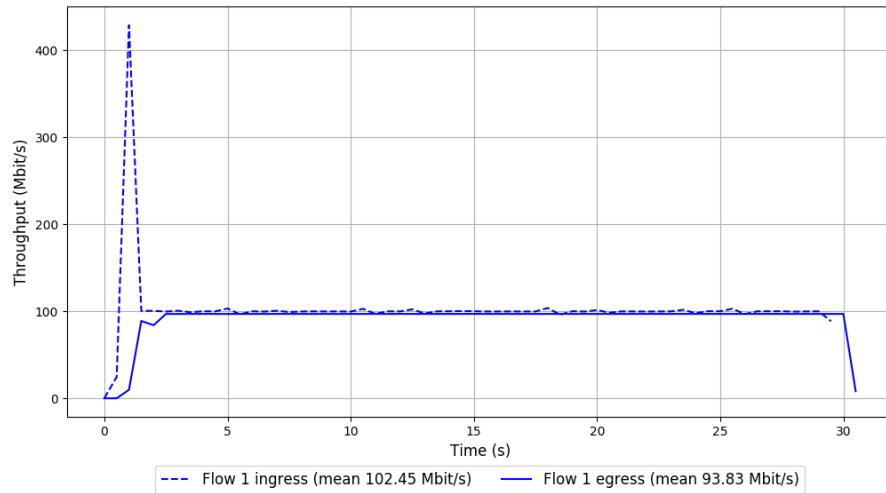


```
Run 1: Statistics of FillP
```

```
Start at: 2018-05-30 08:43:02
End at: 2018-05-30 08:43:32
Local clock offset: -0.111 ms
Remote clock offset: 10.306 ms

# Below is generated by plot.py at 2018-05-30 11:40:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 117.557 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 117.557 ms
Loss rate: 8.39%
```

Run 1: Report of FillP — Data Link

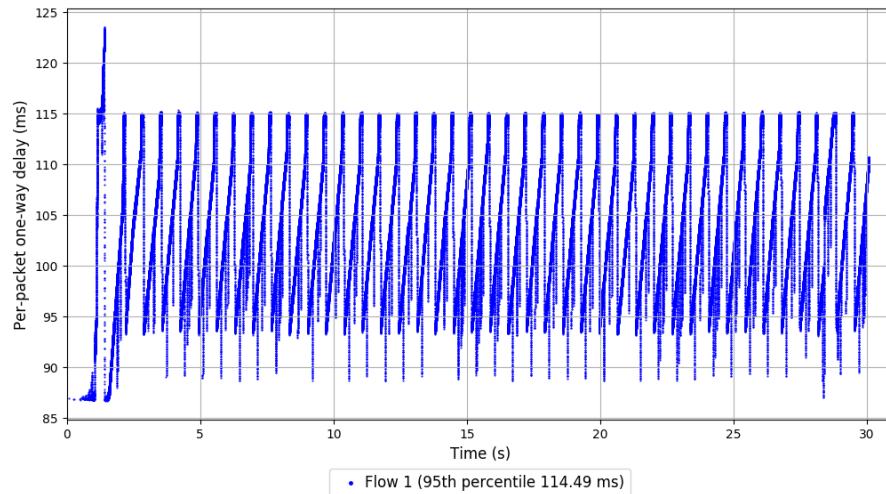
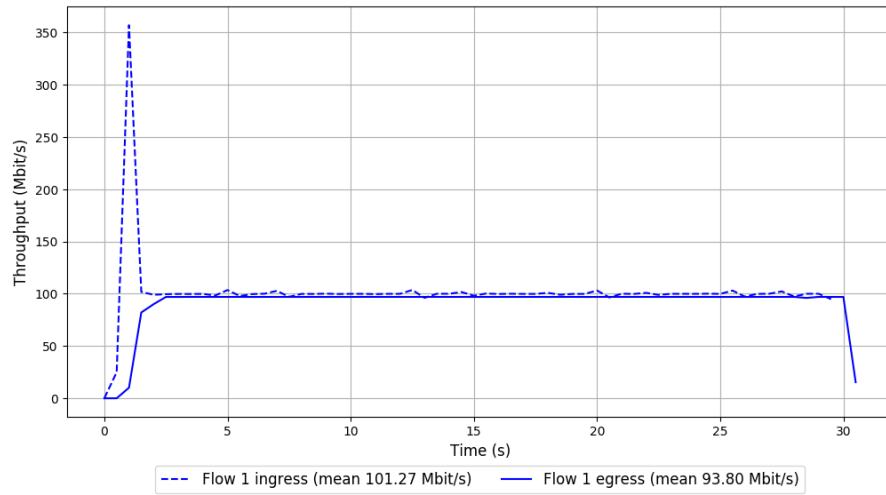


Run 2: Statistics of FillP

```
Start at: 2018-05-30 09:01:43
End at: 2018-05-30 09:02:13
Local clock offset: -0.275 ms
Remote clock offset: 11.884 ms

# Below is generated by plot.py at 2018-05-30 11:40:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 114.487 ms
Loss rate: 7.31%
-- Flow 1:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 114.487 ms
Loss rate: 7.31%
```

Run 2: Report of FillP — Data Link

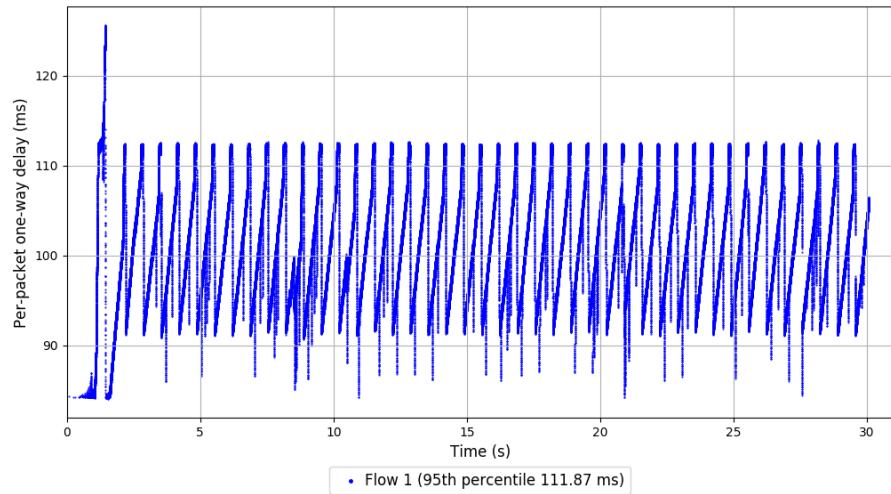
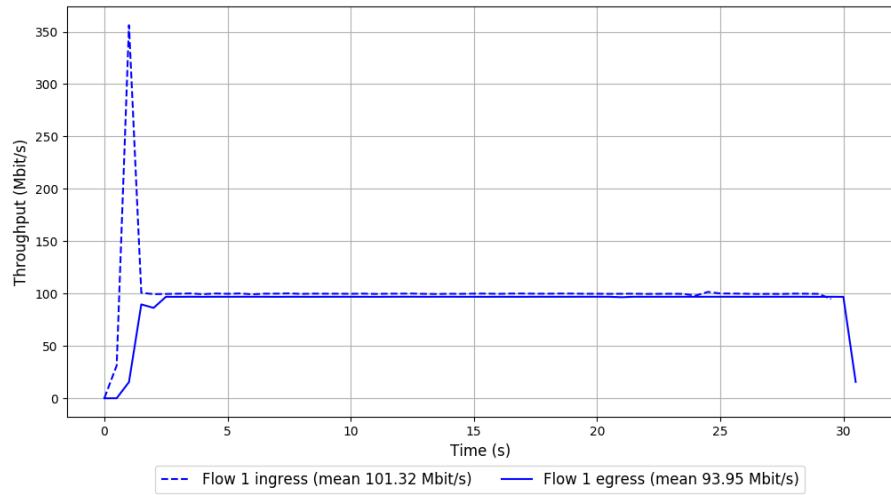


Run 3: Statistics of FillP

```
Start at: 2018-05-30 09:20:23
End at: 2018-05-30 09:20:53
Local clock offset: -0.222 ms
Remote clock offset: 18.151 ms

# Below is generated by plot.py at 2018-05-30 11:40:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 111.874 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 111.874 ms
Loss rate: 7.21%
```

Run 3: Report of FillP — Data Link

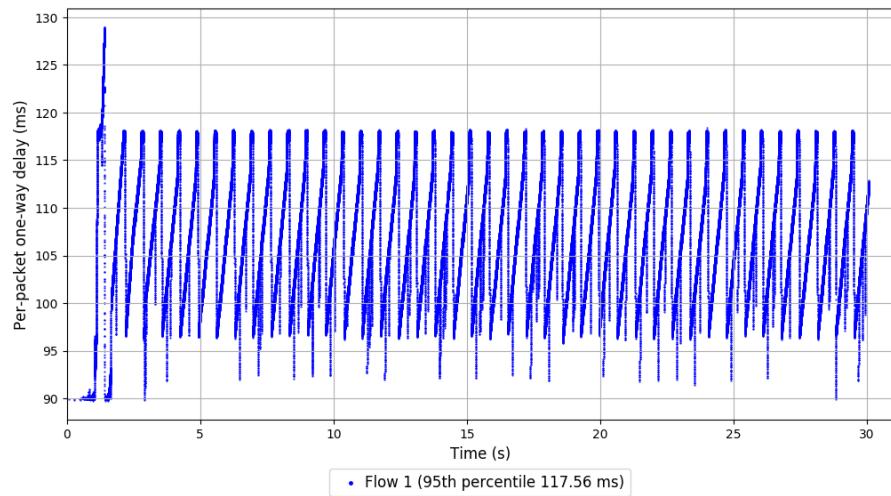
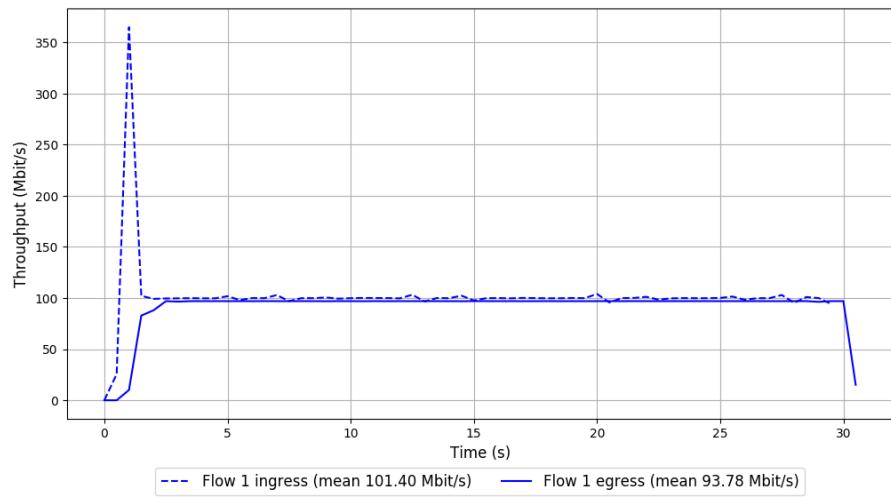


Run 4: Statistics of FillP

```
Start at: 2018-05-30 09:39:03
End at: 2018-05-30 09:39:33
Local clock offset: -0.293 ms
Remote clock offset: 19.765 ms

# Below is generated by plot.py at 2018-05-30 11:40:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 117.564 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 117.564 ms
Loss rate: 7.47%
```

Run 4: Report of FillP — Data Link

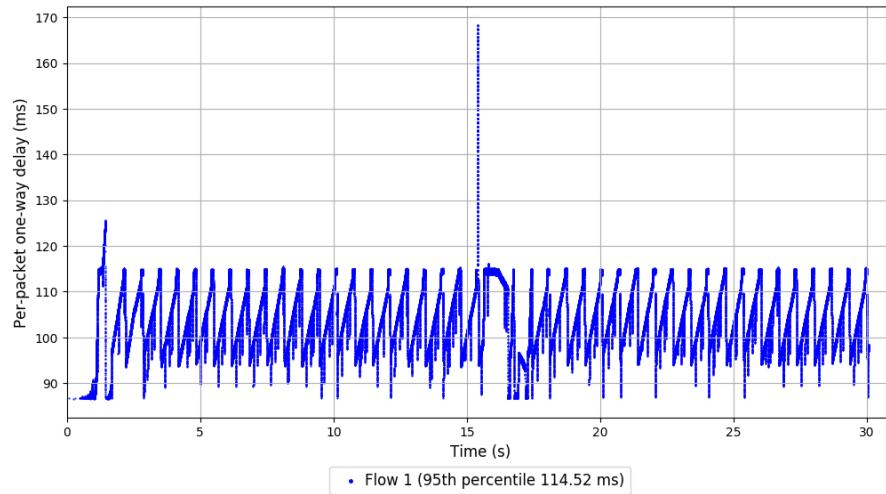
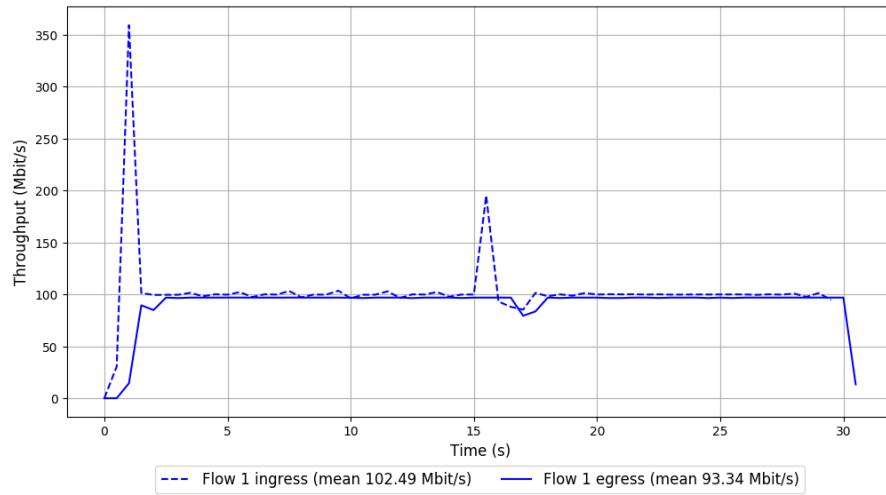


Run 5: Statistics of FillP

```
Start at: 2018-05-30 09:57:42
End at: 2018-05-30 09:58:12
Local clock offset: -2.436 ms
Remote clock offset: 16.874 ms

# Below is generated by plot.py at 2018-05-30 11:40:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 114.522 ms
Loss rate: 8.89%
-- Flow 1:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 114.522 ms
Loss rate: 8.89%
```

Run 5: Report of FillP — Data Link

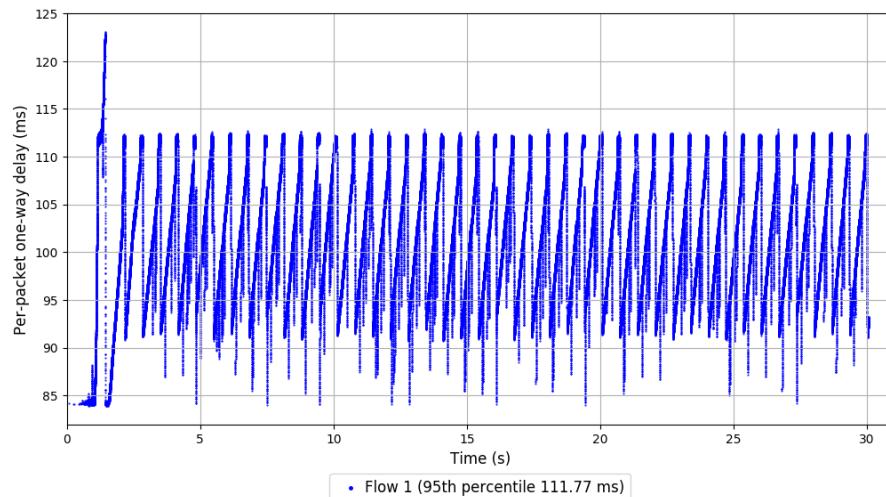
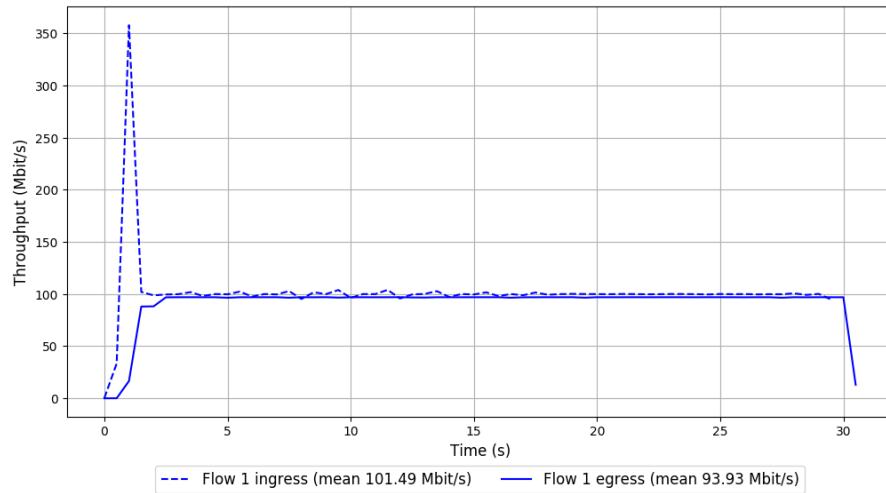


Run 6: Statistics of FillP

```
Start at: 2018-05-30 10:16:20
End at: 2018-05-30 10:16:50
Local clock offset: -1.8 ms
Remote clock offset: 13.146 ms

# Below is generated by plot.py at 2018-05-30 11:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 7.42%
```

Run 6: Report of FillP — Data Link

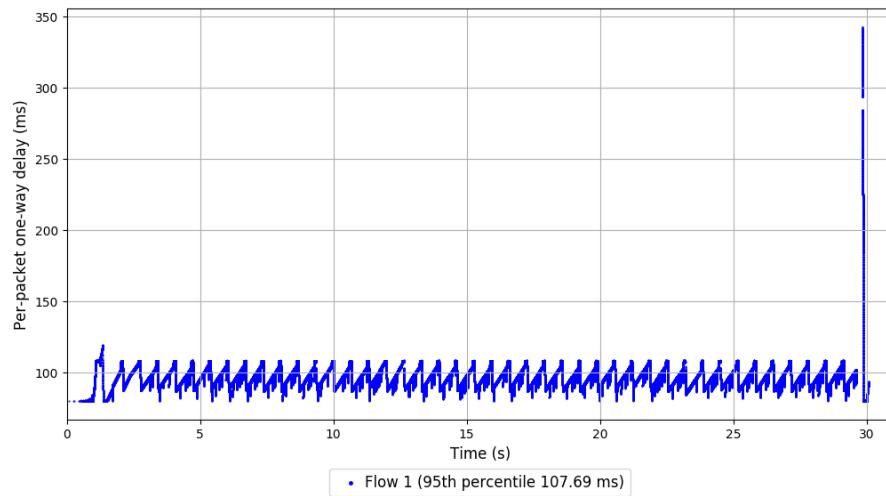
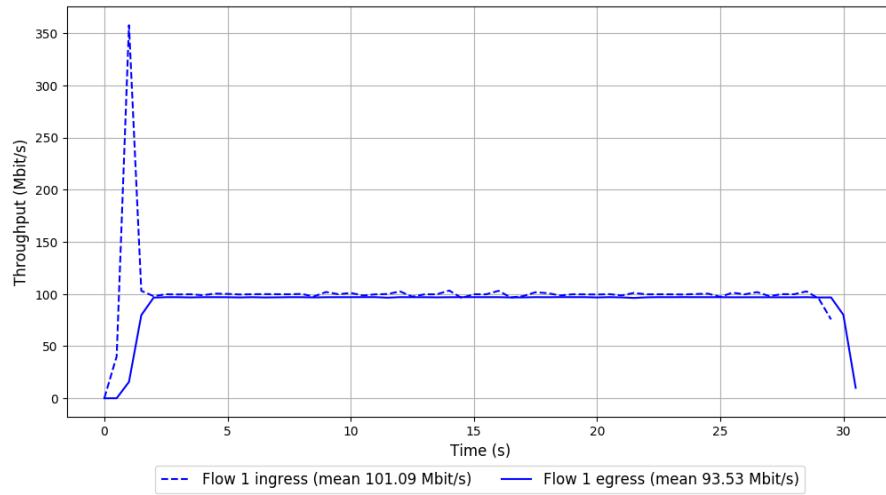


Run 7: Statistics of FillP

```
Start at: 2018-05-30 10:35:07
End at: 2018-05-30 10:35:37
Local clock offset: -3.032 ms
Remote clock offset: 2.928 ms

# Below is generated by plot.py at 2018-05-30 11:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 107.695 ms
Loss rate: 7.43%
-- Flow 1:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 107.695 ms
Loss rate: 7.43%
```

Run 7: Report of FillP — Data Link

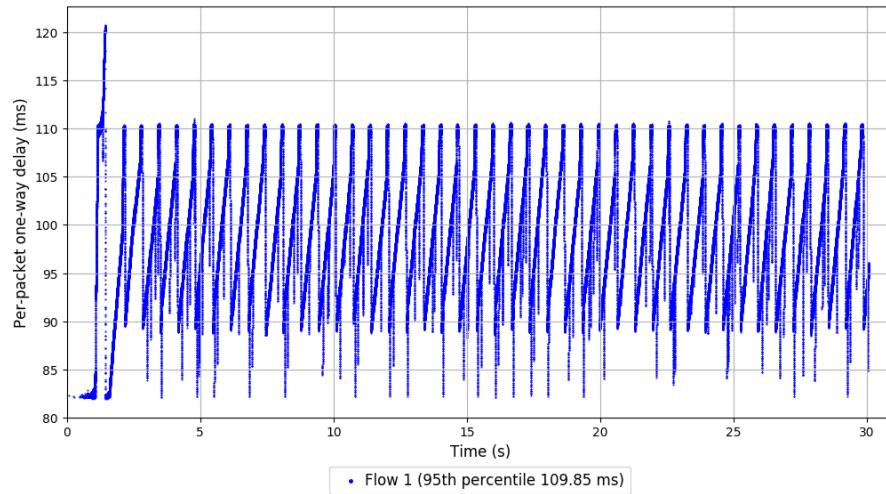
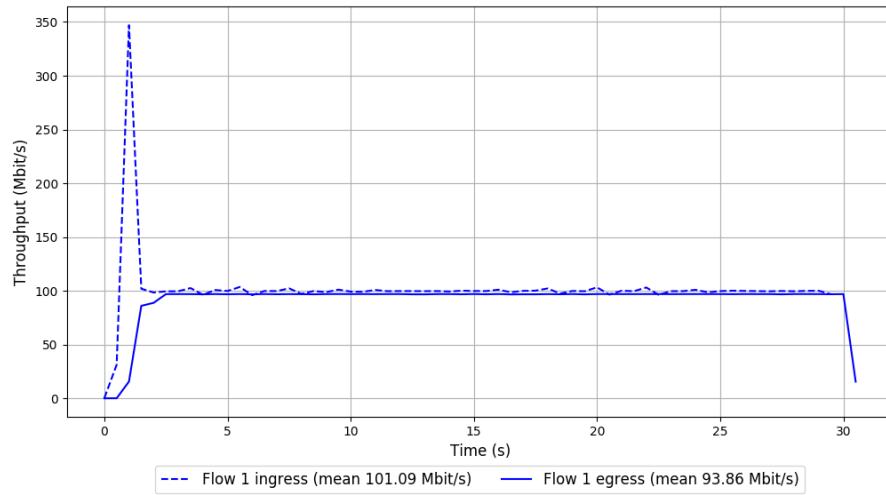


Run 8: Statistics of FillP

```
Start at: 2018-05-30 10:53:49
End at: 2018-05-30 10:54:19
Local clock offset: -2.26 ms
Remote clock offset: 3.901 ms

# Below is generated by plot.py at 2018-05-30 11:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 109.848 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 109.848 ms
Loss rate: 7.11%
```

Run 8: Report of FillP — Data Link

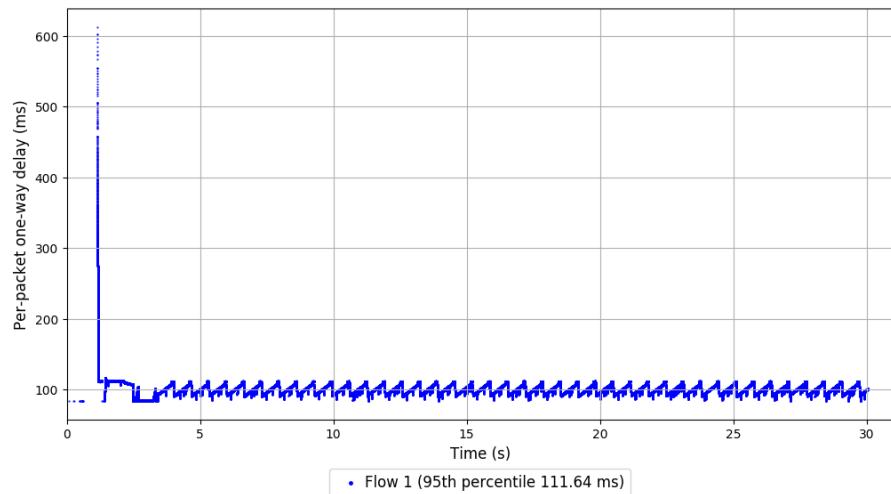
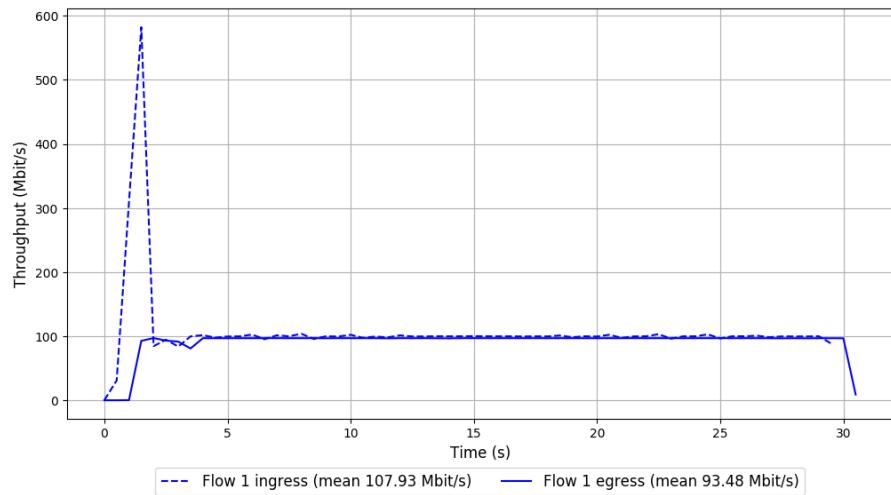


Run 9: Statistics of FillP

```
Start at: 2018-05-30 11:12:28
End at: 2018-05-30 11:12:58
Local clock offset: -4.671 ms
Remote clock offset: 6.33 ms

# Below is generated by plot.py at 2018-05-30 11:41:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 111.635 ms
Loss rate: 13.34%
-- Flow 1:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 111.635 ms
Loss rate: 13.34%
```

Run 9: Report of FillP — Data Link



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

```
Start at: 2018-05-30 11:31:14
```

```
End at: 2018-05-30 11:31:44
```

```
Local clock offset: -7.612 ms
```

```
Remote clock offset: 6.871 ms
```

```
# Below is generated by plot.py at 2018-05-30 11:41:41
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 93.56 Mbit/s
```

```
95th percentile per-packet one-way delay: 117.925 ms
```

```
Loss rate: 7.63%
```

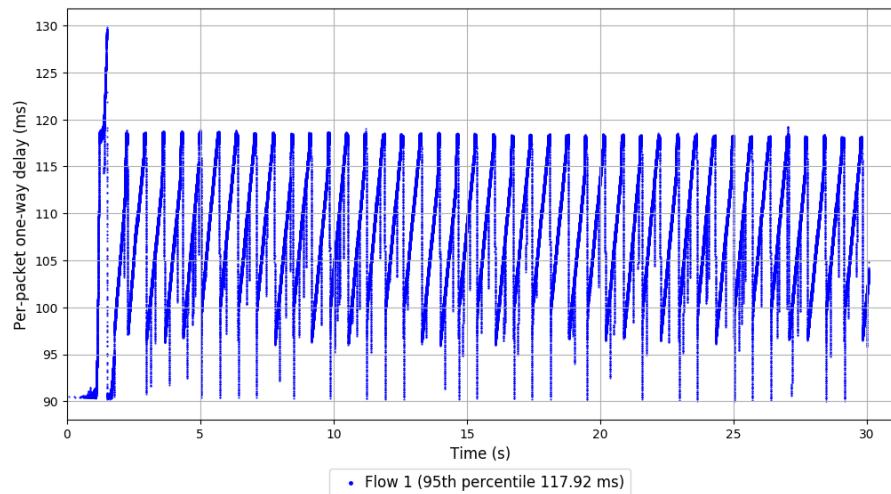
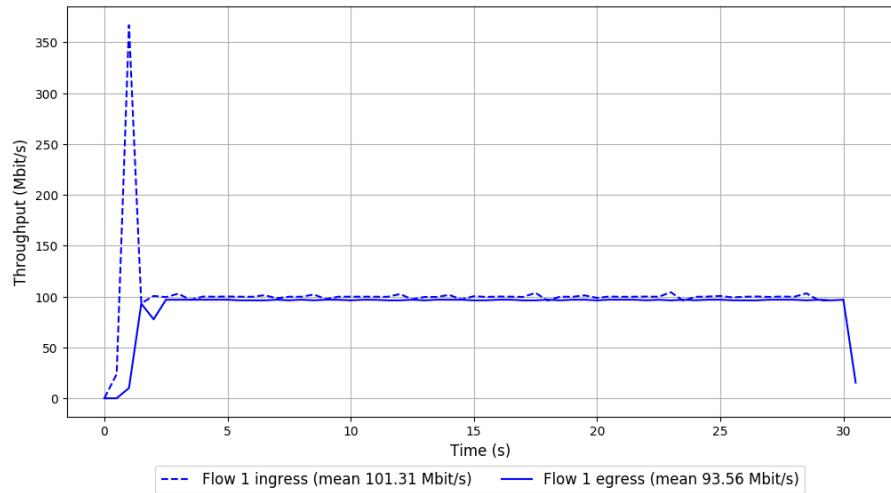
```
-- Flow 1:
```

```
Average throughput: 93.56 Mbit/s
```

```
95th percentile per-packet one-way delay: 117.925 ms
```

```
Loss rate: 7.63%
```

Run 10: Report of FillP — Data Link

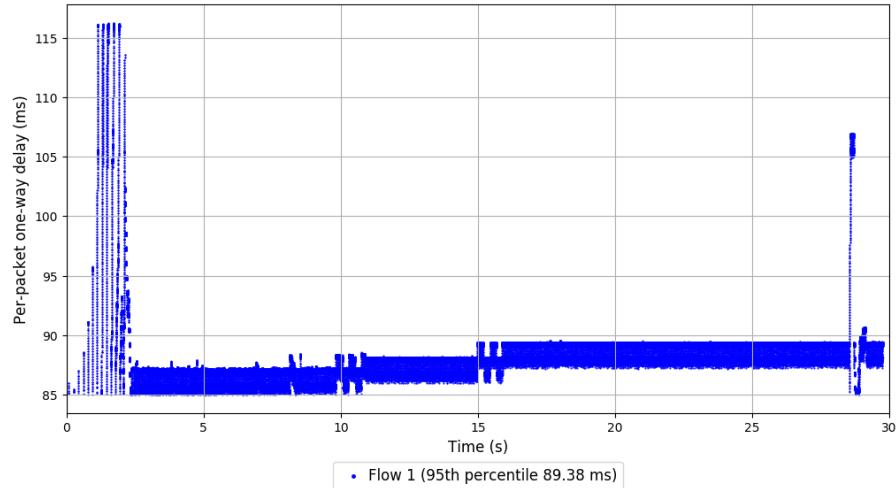
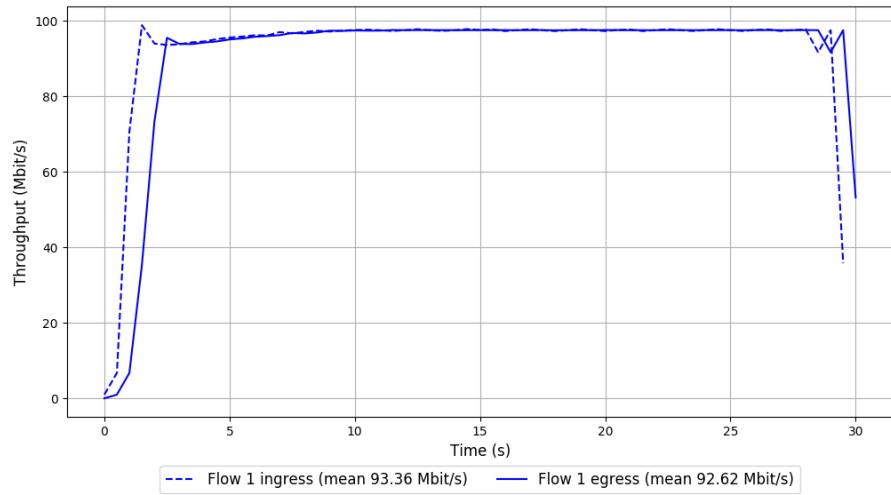


Run 1: Statistics of Indigo

```
Start at: 2018-05-30 08:29:00
End at: 2018-05-30 08:29:30
Local clock offset: -1.204 ms
Remote clock offset: 8.625 ms

# Below is generated by plot.py at 2018-05-30 11:41:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 89.381 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 89.381 ms
Loss rate: 0.77%
```

Run 1: Report of Indigo — Data Link

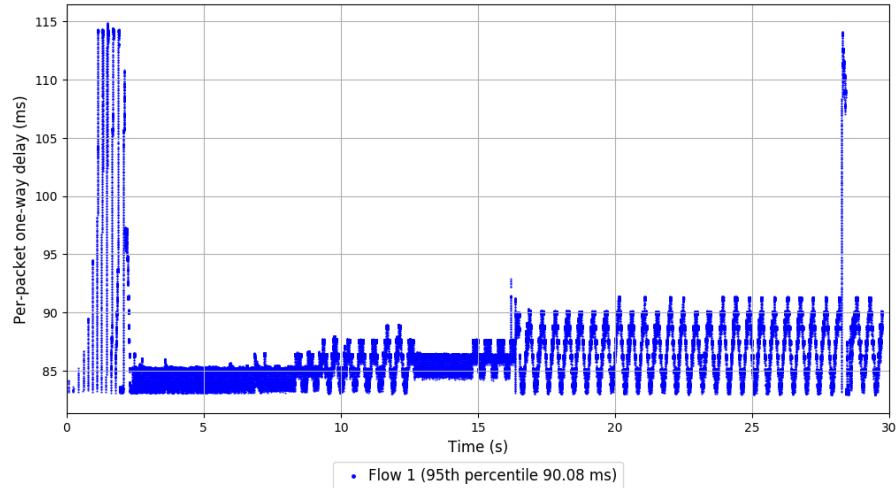
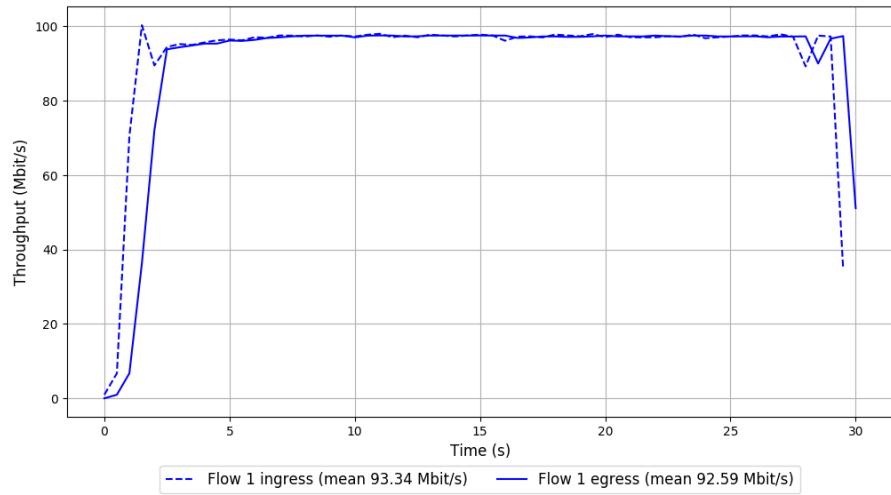


Run 2: Statistics of Indigo

```
Start at: 2018-05-30 08:47:42
End at: 2018-05-30 08:48:12
Local clock offset: -0.93 ms
Remote clock offset: 12.36 ms

# Below is generated by plot.py at 2018-05-30 11:41:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 90.084 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 90.084 ms
Loss rate: 0.78%
```

Run 2: Report of Indigo — Data Link

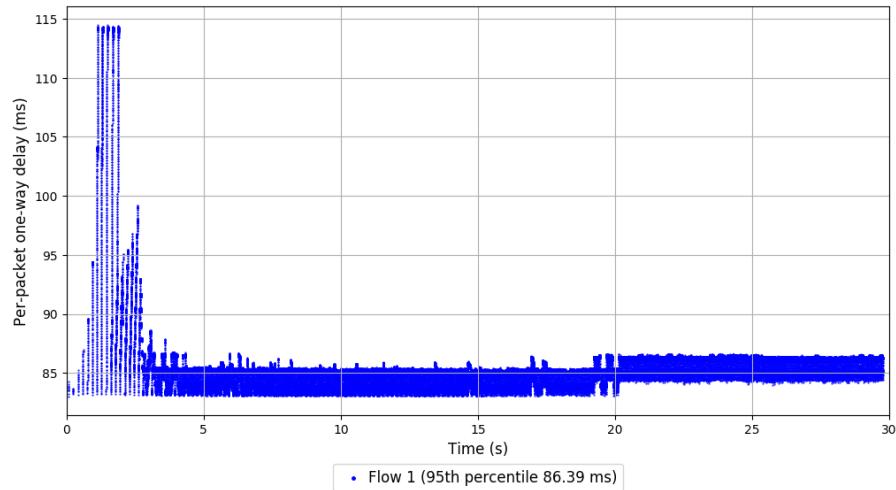
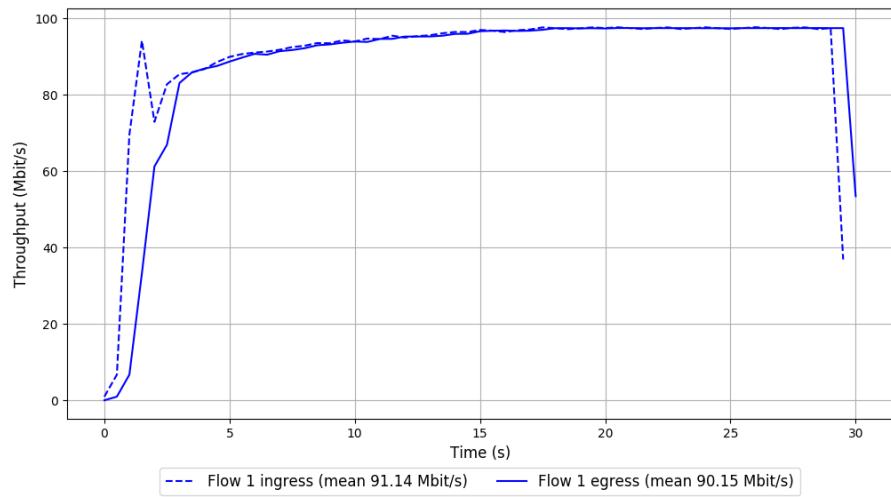


Run 3: Statistics of Indigo

```
Start at: 2018-05-30 09:06:23
End at: 2018-05-30 09:06:53
Local clock offset: 0.006 ms
Remote clock offset: 15.681 ms

# Below is generated by plot.py at 2018-05-30 11:41:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 86.395 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 86.395 ms
Loss rate: 1.08%
```

Run 3: Report of Indigo — Data Link

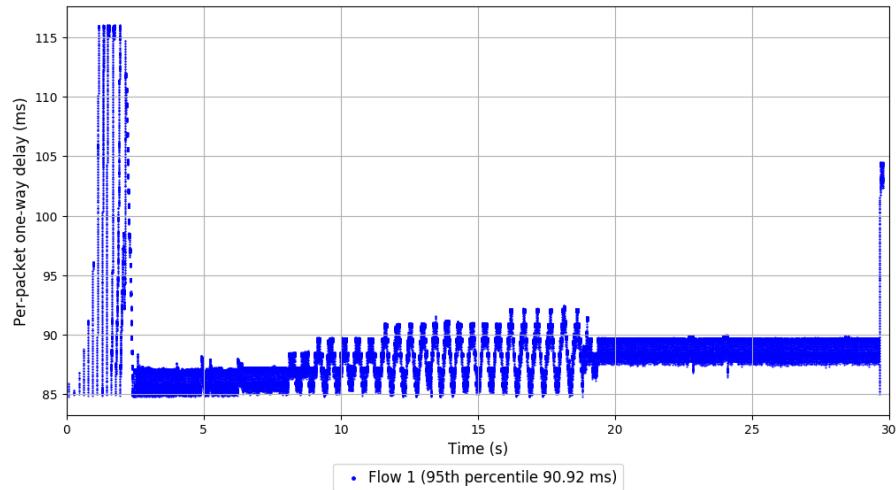
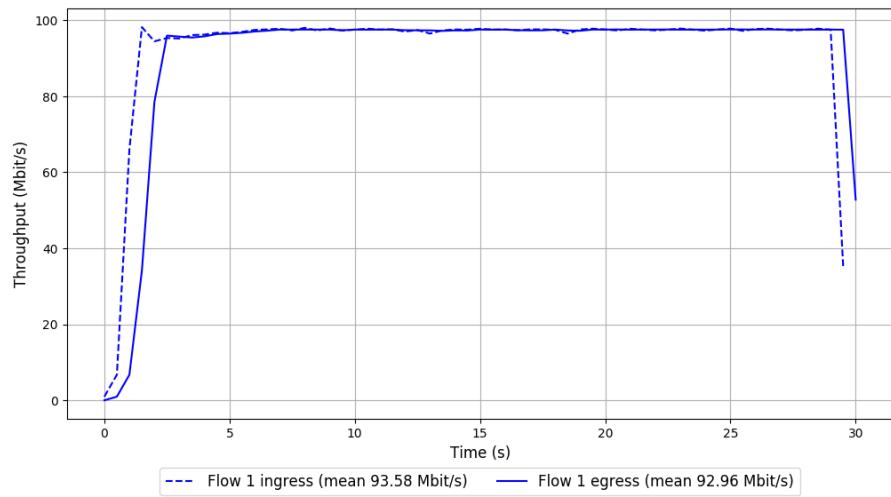


Run 4: Statistics of Indigo

```
Start at: 2018-05-30 09:25:02
End at: 2018-05-30 09:25:32
Local clock offset: -0.985 ms
Remote clock offset: 18.349 ms

# Below is generated by plot.py at 2018-05-30 11:41:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 90.917 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 90.917 ms
Loss rate: 0.59%
```

Run 4: Report of Indigo — Data Link

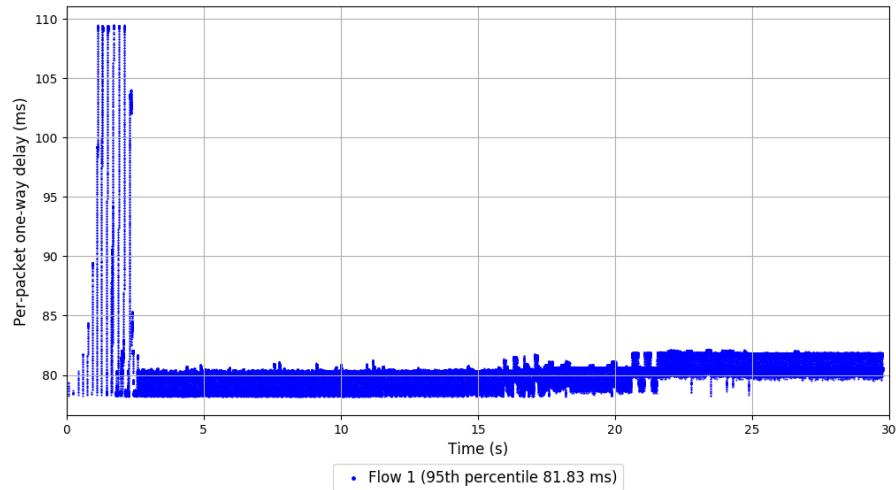
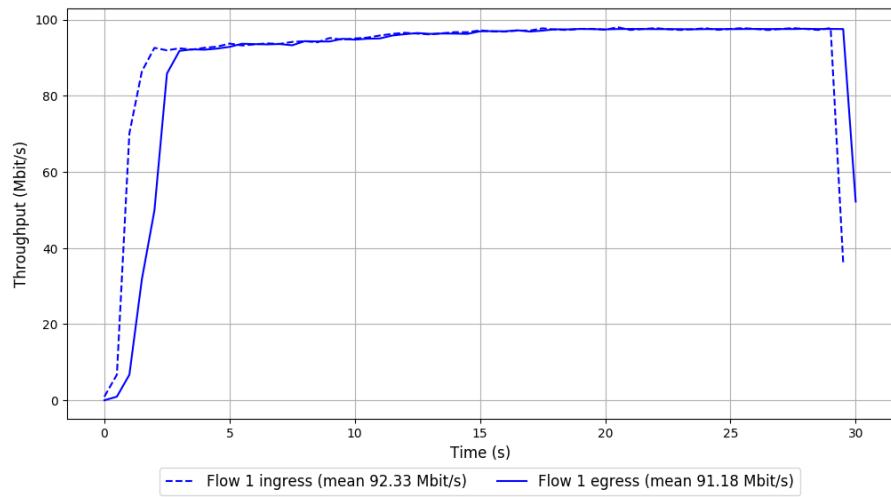


Run 5: Statistics of Indigo

```
Start at: 2018-05-30 09:43:42
End at: 2018-05-30 09:44:12
Local clock offset: -0.609 ms
Remote clock offset: 16.164 ms

# Below is generated by plot.py at 2018-05-30 11:41:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 81.832 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 81.832 ms
Loss rate: 1.23%
```

Run 5: Report of Indigo — Data Link

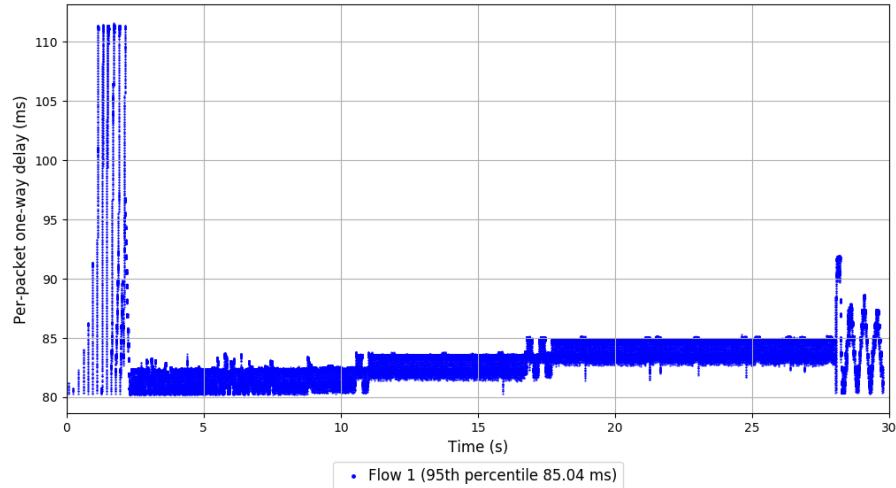
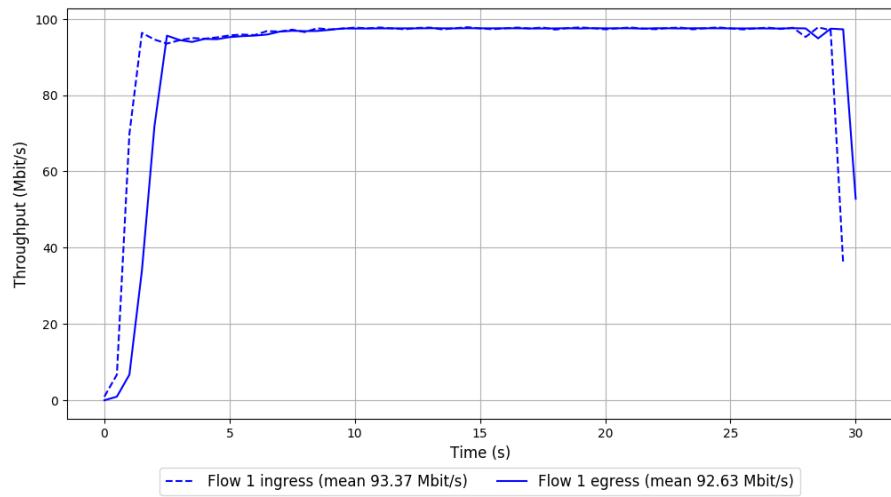


Run 6: Statistics of Indigo

```
Start at: 2018-05-30 10:02:21
End at: 2018-05-30 10:02:51
Local clock offset: -0.797 ms
Remote clock offset: 10.852 ms

# Below is generated by plot.py at 2018-05-30 11:42:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 85.043 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 85.043 ms
Loss rate: 0.79%
```

Run 6: Report of Indigo — Data Link

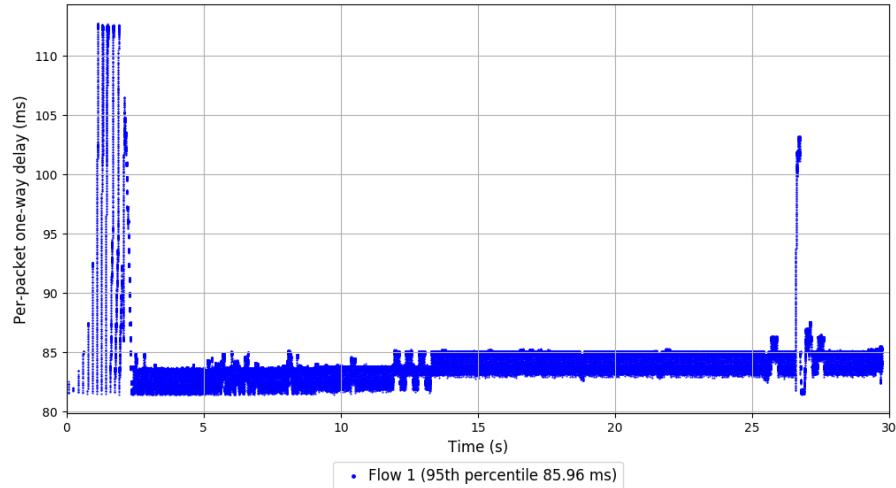
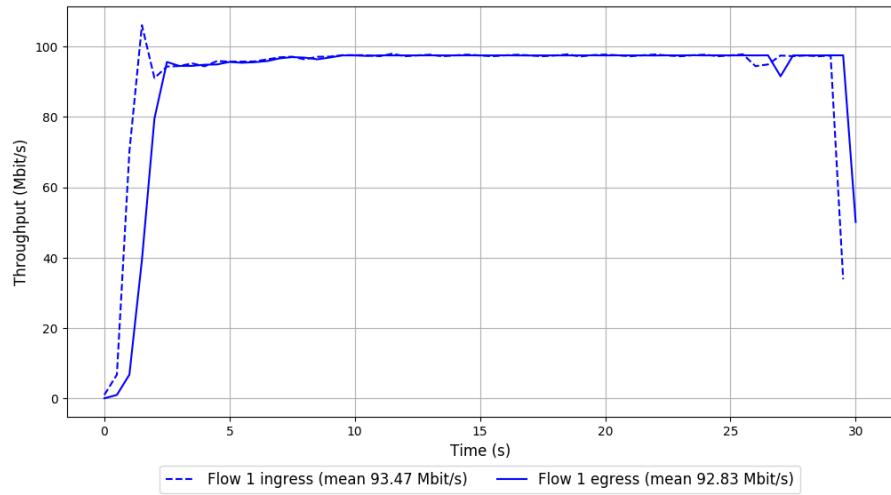


Run 7: Statistics of Indigo

```
Start at: 2018-05-30 10:20:59
End at: 2018-05-30 10:21:29
Local clock offset: -1.992 ms
Remote clock offset: 11.991 ms

# Below is generated by plot.py at 2018-05-30 11:42:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 85.962 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 85.962 ms
Loss rate: 0.67%
```

Run 7: Report of Indigo — Data Link

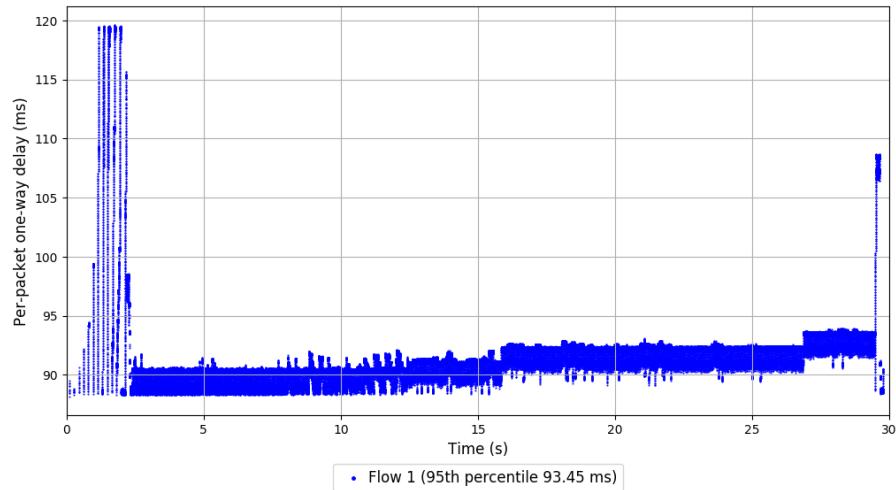
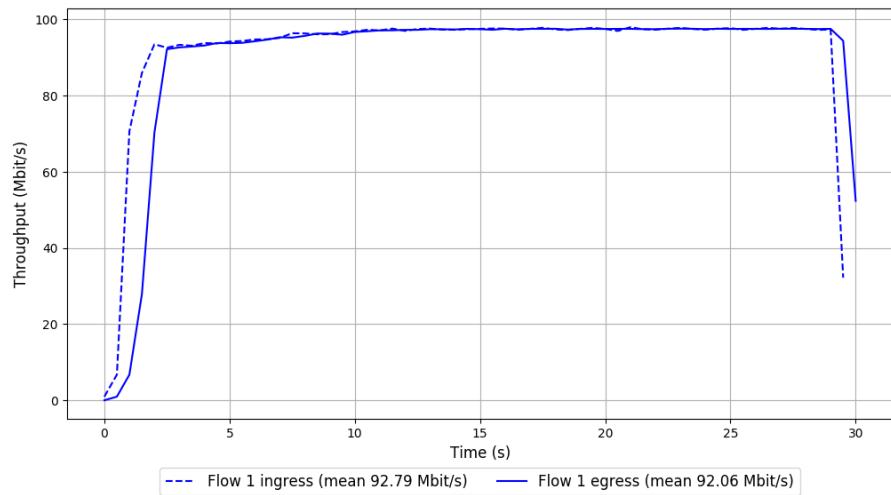


Run 8: Statistics of Indigo

```
Start at: 2018-05-30 10:39:47
End at: 2018-05-30 10:40:17
Local clock offset: -2.005 ms
Remote clock offset: 6.779 ms

# Below is generated by plot.py at 2018-05-30 11:42:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 93.455 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 93.455 ms
Loss rate: 0.79%
```

Run 8: Report of Indigo — Data Link

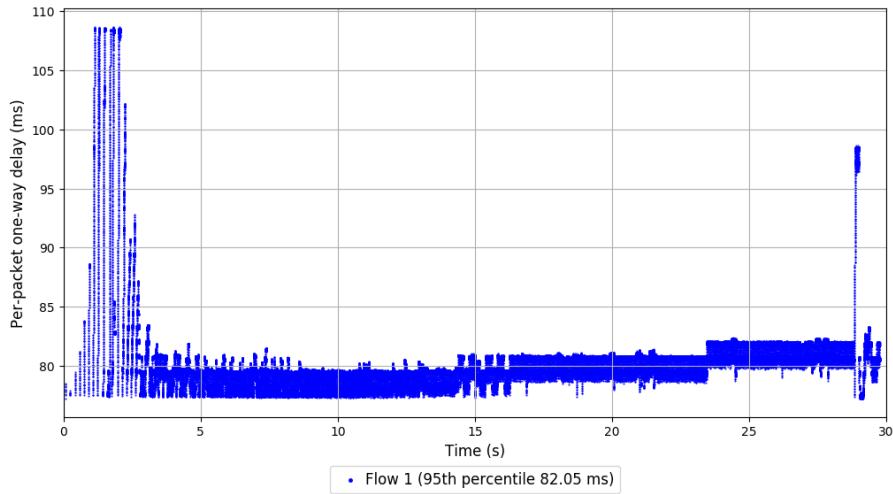
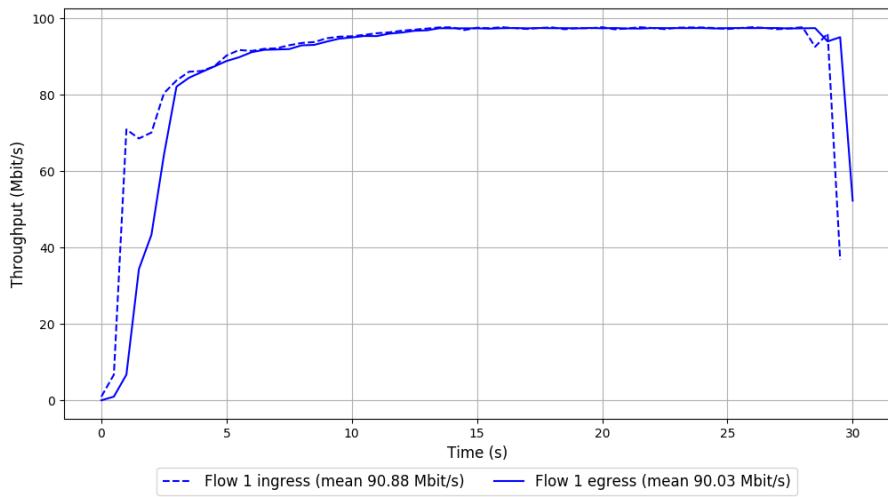


Run 9: Statistics of Indigo

```
Start at: 2018-05-30 10:58:29
End at: 2018-05-30 10:58:59
Local clock offset: -1.44 ms
Remote clock offset: 0.179 ms

# Below is generated by plot.py at 2018-05-30 11:42:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 82.052 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 82.052 ms
Loss rate: 0.93%
```

Run 9: Report of Indigo — Data Link

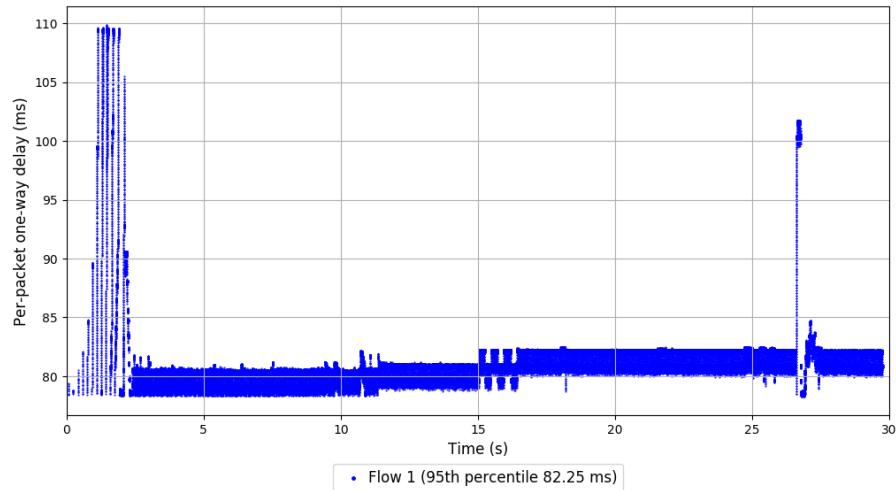
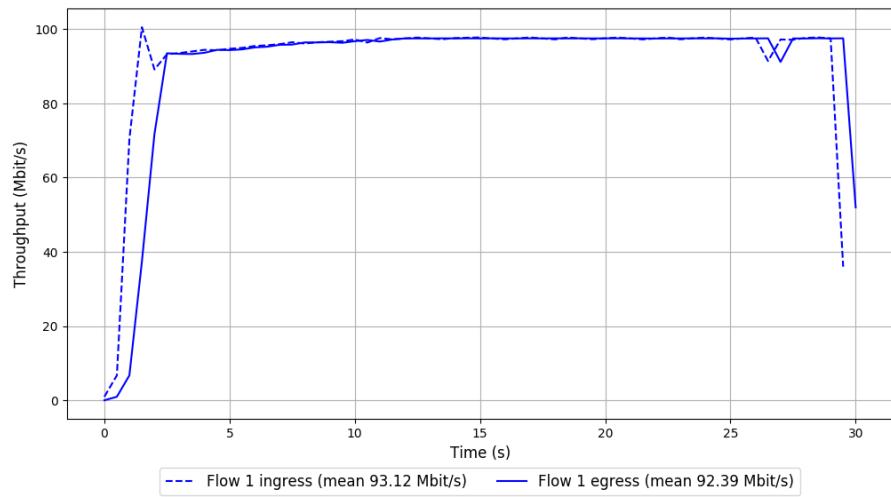


Run 10: Statistics of Indigo

```
Start at: 2018-05-30 11:17:07
End at: 2018-05-30 11:17:37
Local clock offset: -5.098 ms
Remote clock offset: 3.371 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 82.248 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 82.248 ms
Loss rate: 0.77%
```

Run 10: Report of Indigo — Data Link

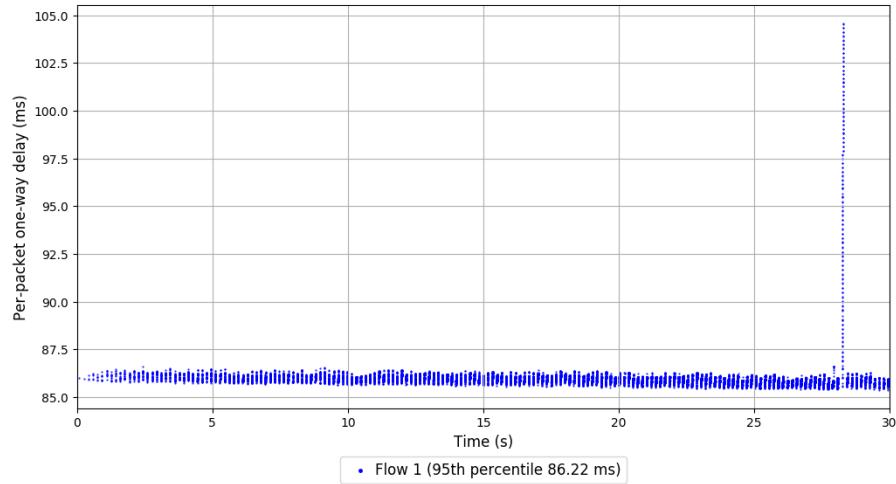
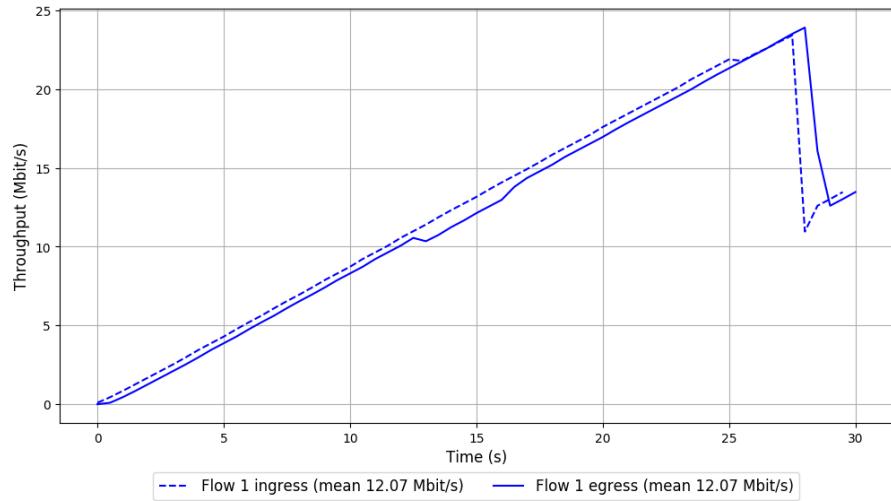


Run 1: Statistics of LEDBAT

```
Start at: 2018-05-30 08:40:44
End at: 2018-05-30 08:41:14
Local clock offset: -0.82 ms
Remote clock offset: 8.51 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 86.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 86.216 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

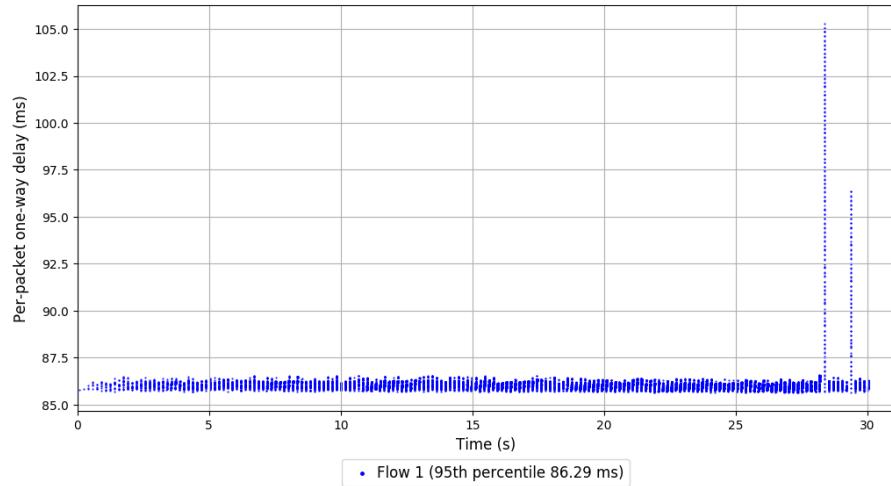
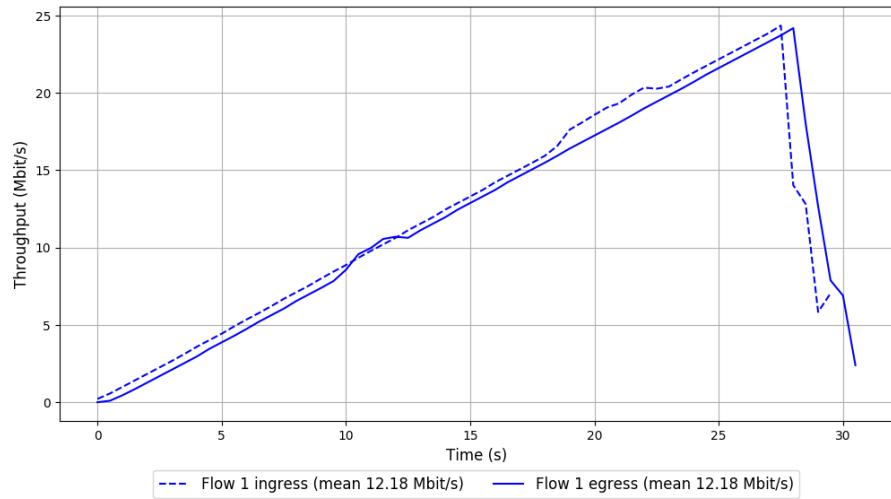


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-30 08:59:25
End at: 2018-05-30 08:59:55
Local clock offset: -1.223 ms
Remote clock offset: 14.6 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 86.291 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 86.291 ms
Loss rate: 0.01%
```

Run 2: Report of LEDBAT — Data Link

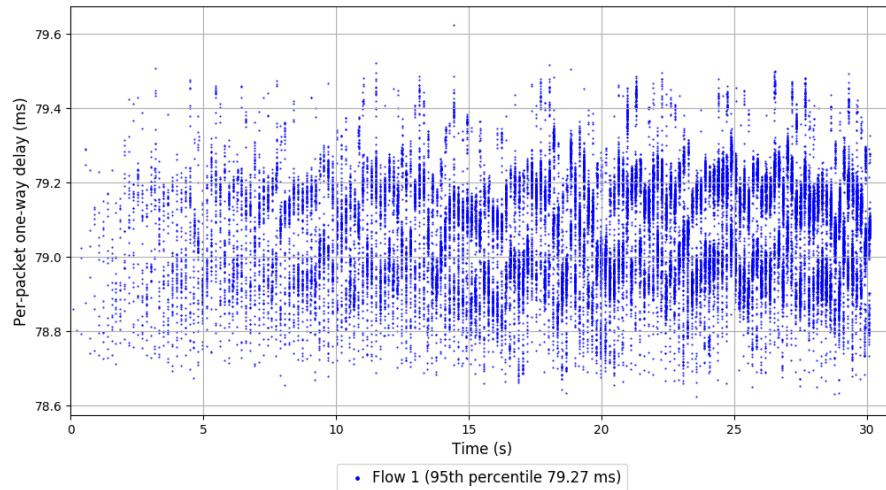
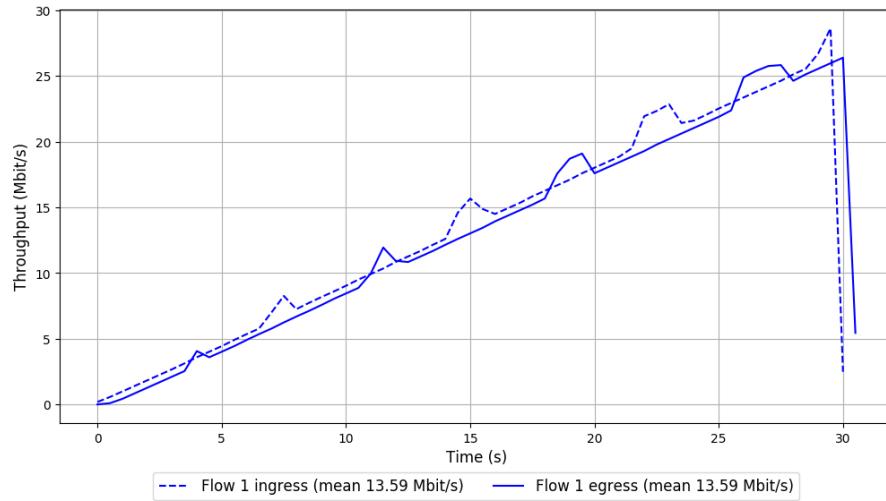


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-30 09:18:05
End at: 2018-05-30 09:18:35
Local clock offset: -0.963 ms
Remote clock offset: 12.892 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 79.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 79.271 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

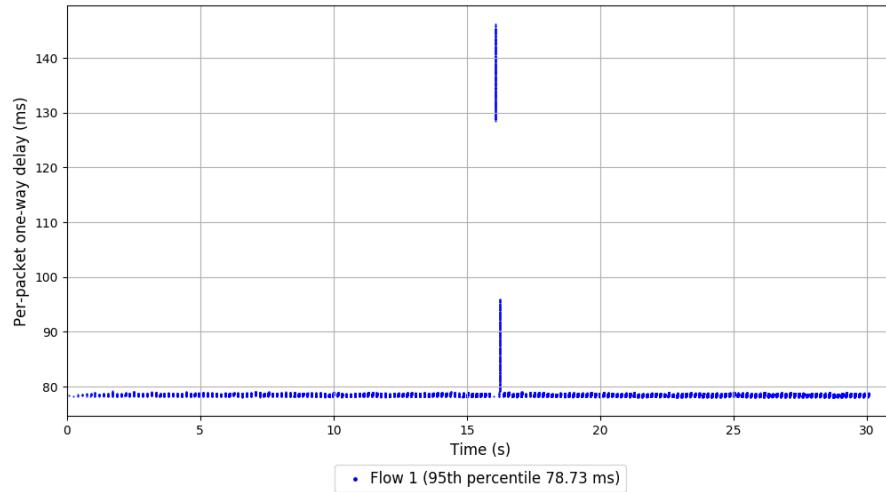
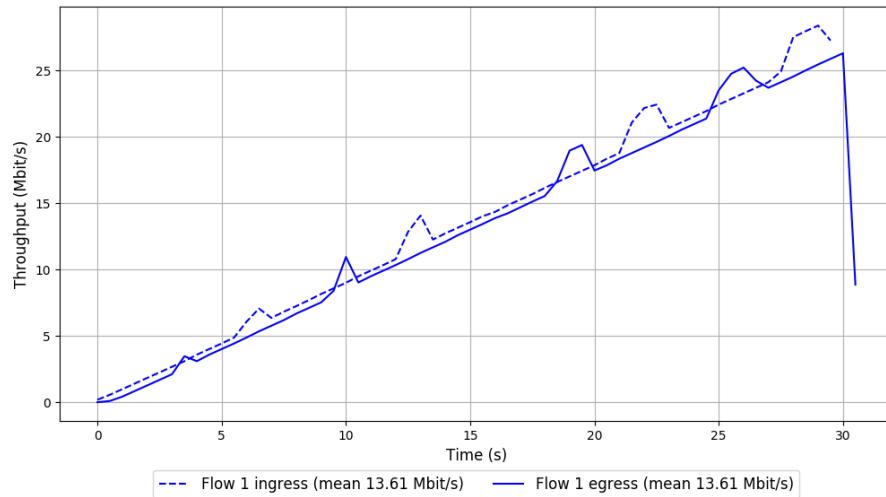


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-30 09:36:45
End at: 2018-05-30 09:37:15
Local clock offset: -0.858 ms
Remote clock offset: 14.669 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 78.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 78.735 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

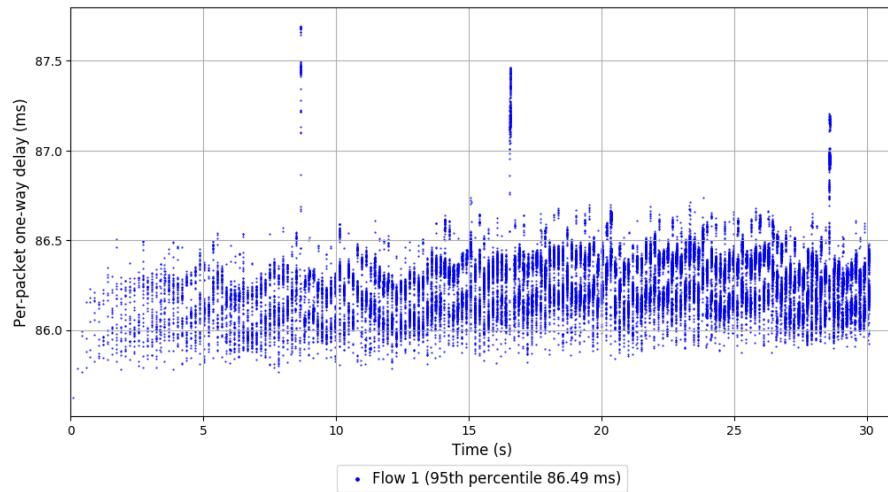
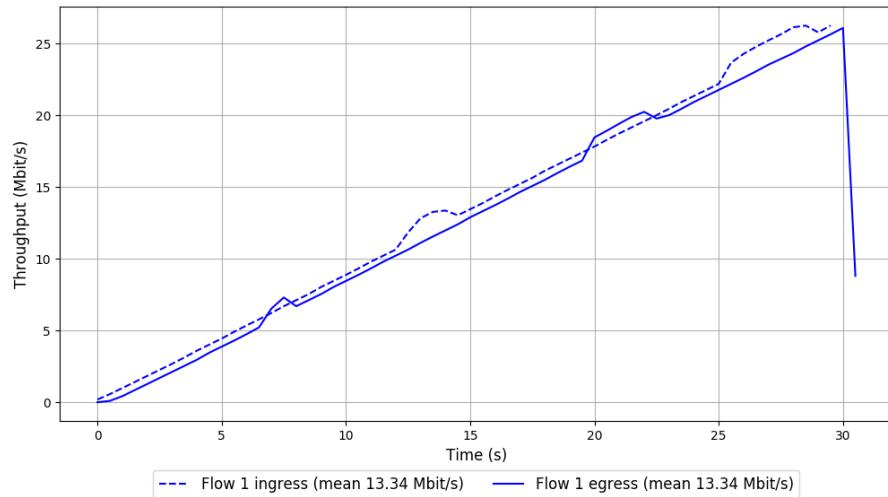


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-30 09:55:24
End at: 2018-05-30 09:55:54
Local clock offset: -0.845 ms
Remote clock offset: 17.66 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 86.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 86.491 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

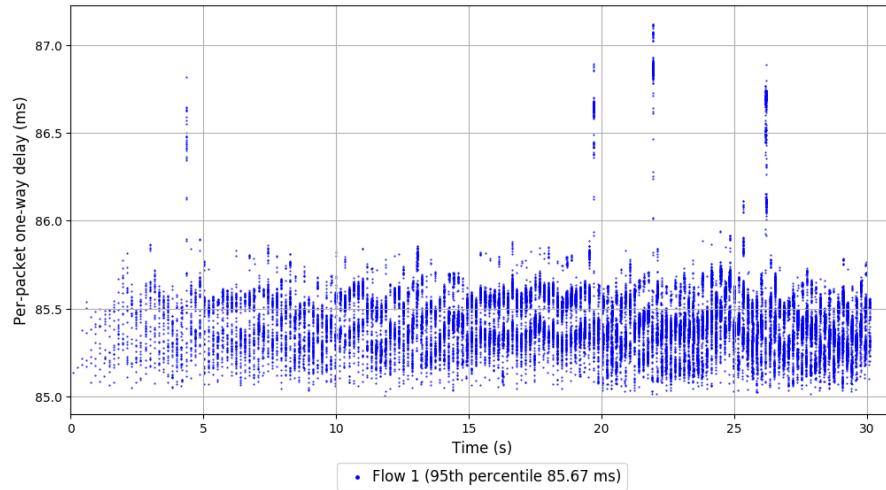
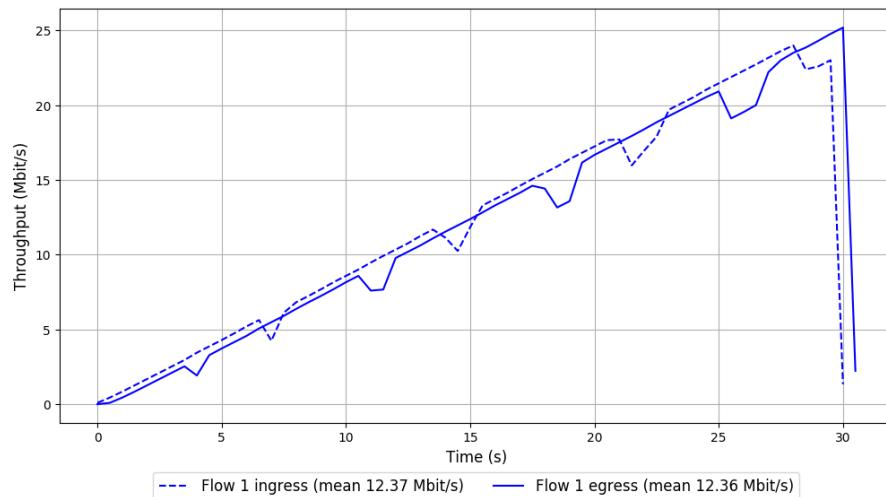


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-30 10:14:02
End at: 2018-05-30 10:14:32
Local clock offset: -2.406 ms
Remote clock offset: 9.194 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 85.665 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 85.665 ms
Loss rate: 0.12%
```

Run 6: Report of LEDBAT — Data Link

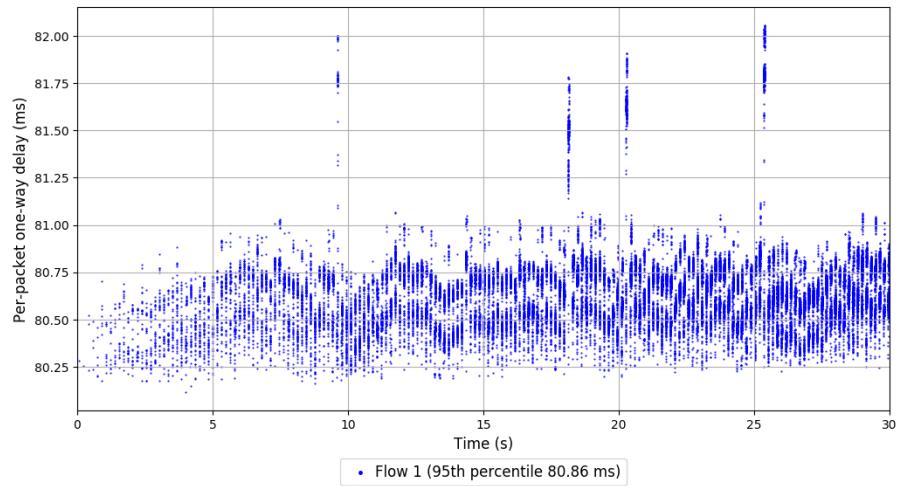
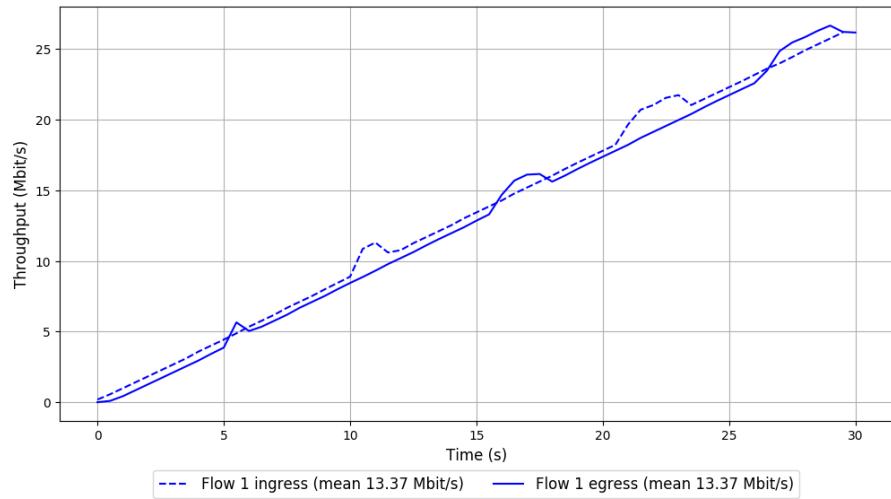


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-30 10:32:48
End at: 2018-05-30 10:33:19
Local clock offset: -3.011 ms
Remote clock offset: 3.564 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 80.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 80.860 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

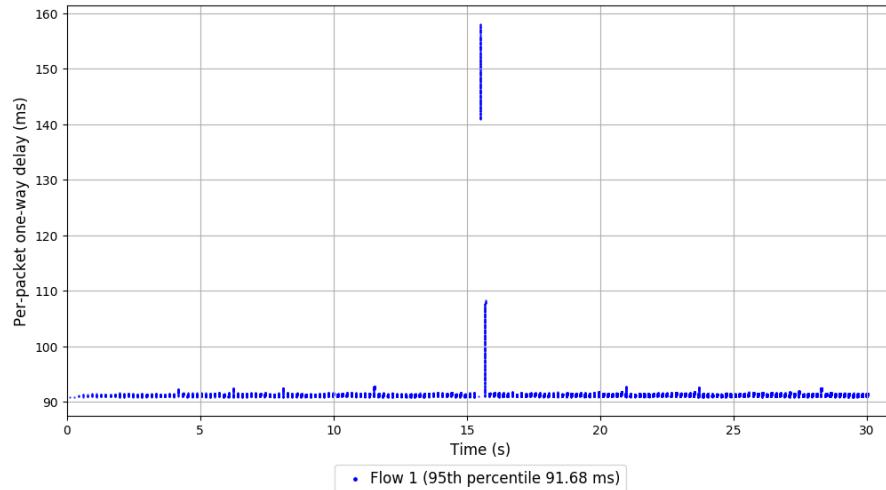
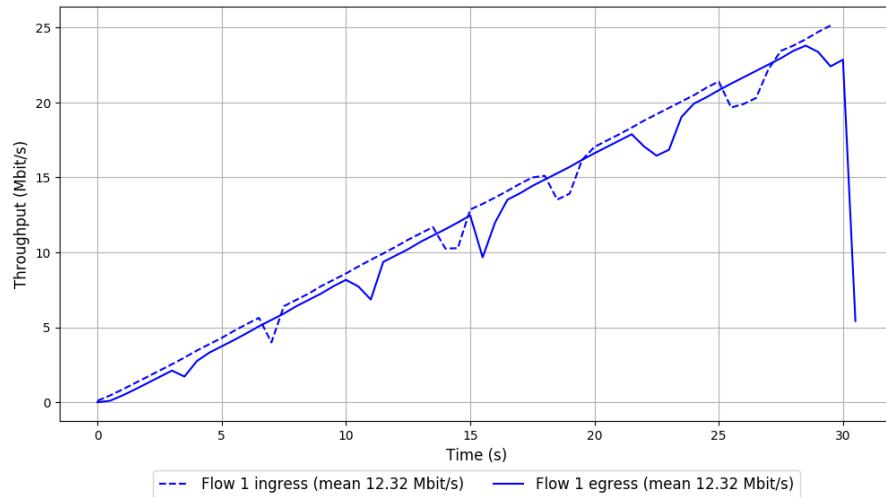


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-30 10:51:31
End at: 2018-05-30 10:52:01
Local clock offset: -2.374 ms
Remote clock offset: 5.063 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 91.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 91.680 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

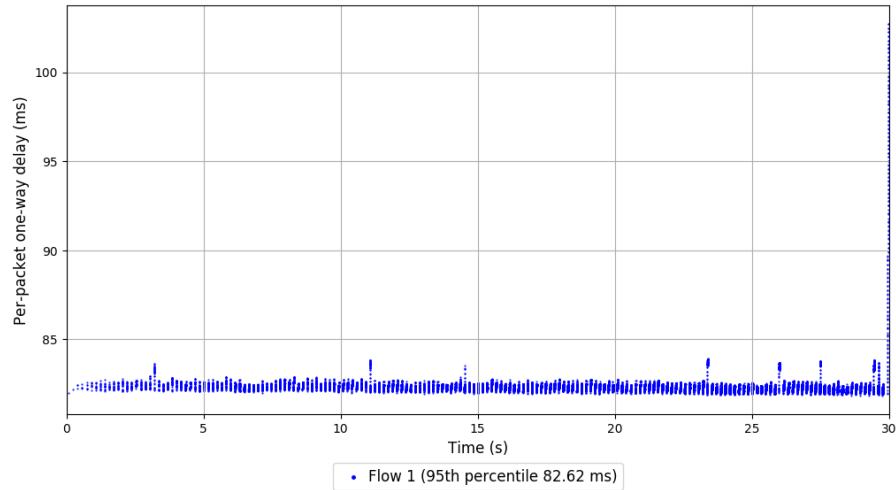
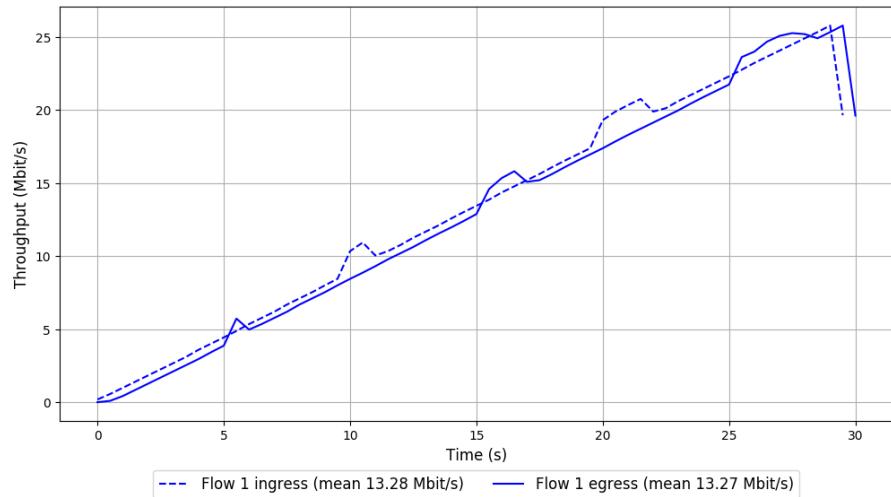


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-30 11:10:11
End at: 2018-05-30 11:10:41
Local clock offset: -3.193 ms
Remote clock offset: 7.043 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 82.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 82.618 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

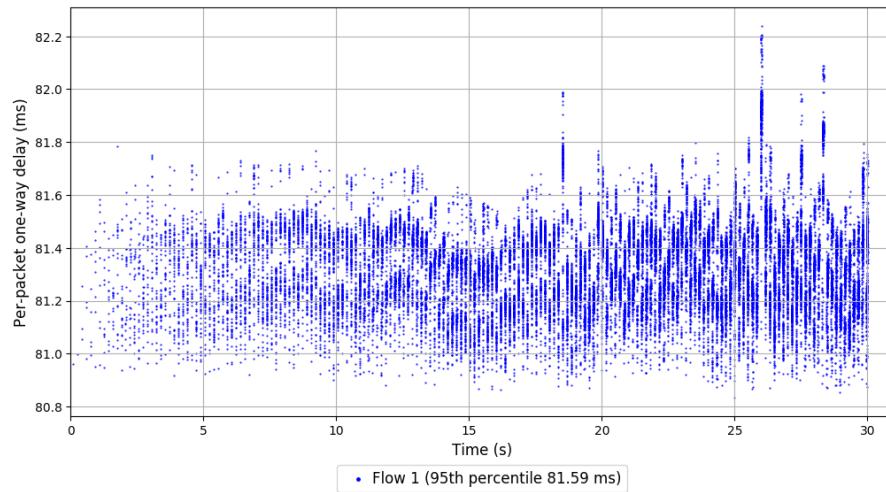
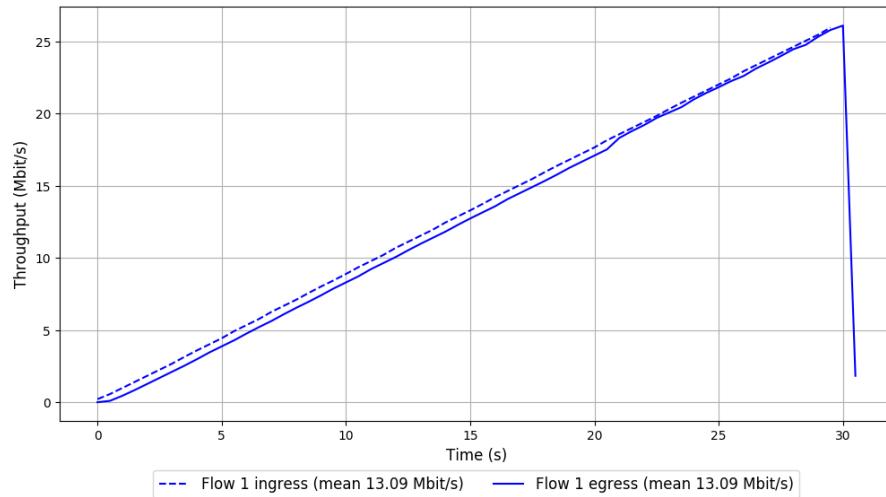


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-30 11:28:56
End at: 2018-05-30 11:29:26
Local clock offset: -7.391 ms
Remote clock offset: 3.032 ms

# Below is generated by plot.py at 2018-05-30 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 81.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 81.591 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

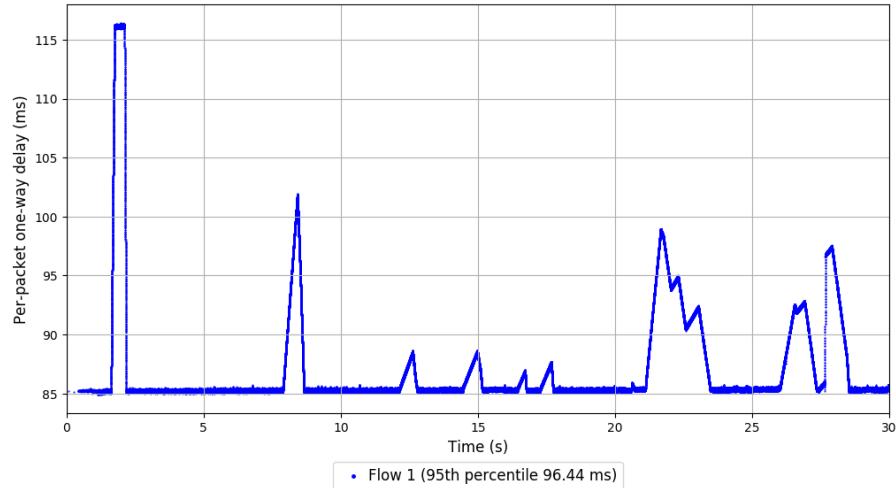
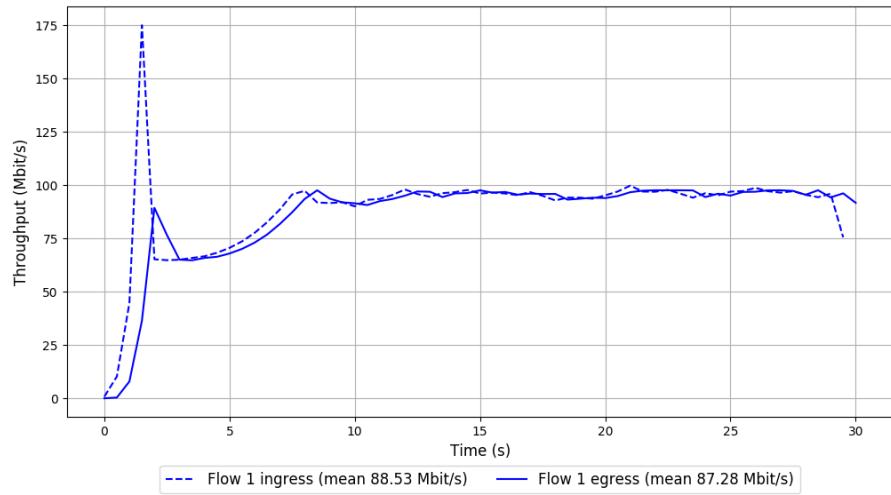


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-30 08:25:31
End at: 2018-05-30 08:26:01
Local clock offset: -1.581 ms
Remote clock offset: 8.607 ms

# Below is generated by plot.py at 2018-05-30 11:43:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 96.437 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 96.437 ms
Loss rate: 1.40%
```

Run 1: Report of PCC-Allegro — Data Link

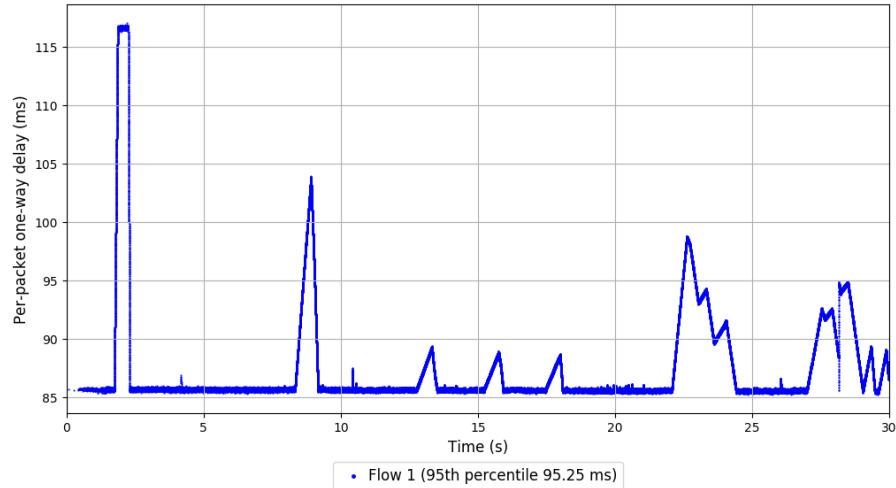
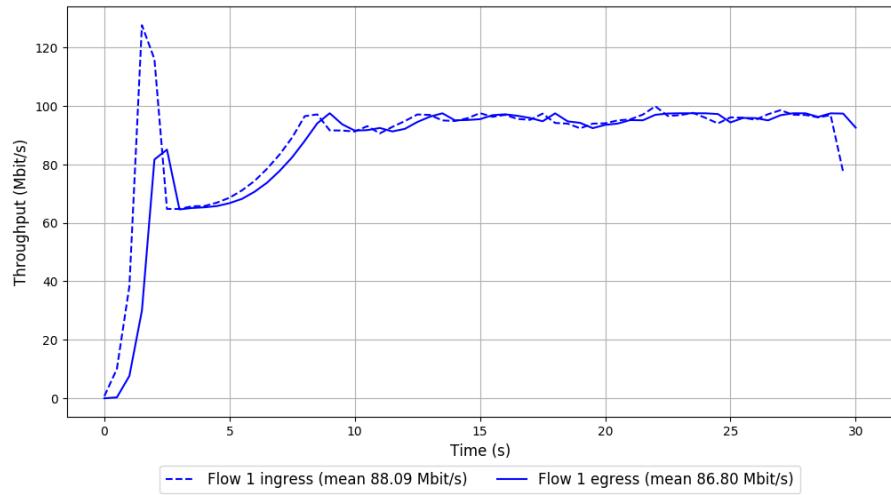


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-30 08:44:13
End at: 2018-05-30 08:44:43
Local clock offset: -0.128 ms
Remote clock offset: 6.79 ms

# Below is generated by plot.py at 2018-05-30 11:43:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 95.255 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 95.255 ms
Loss rate: 1.48%
```

Run 2: Report of PCC-Allegro — Data Link

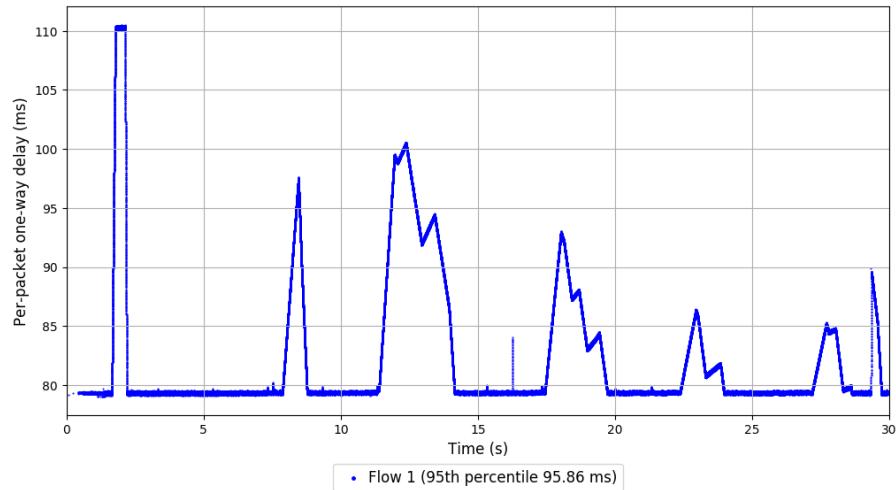
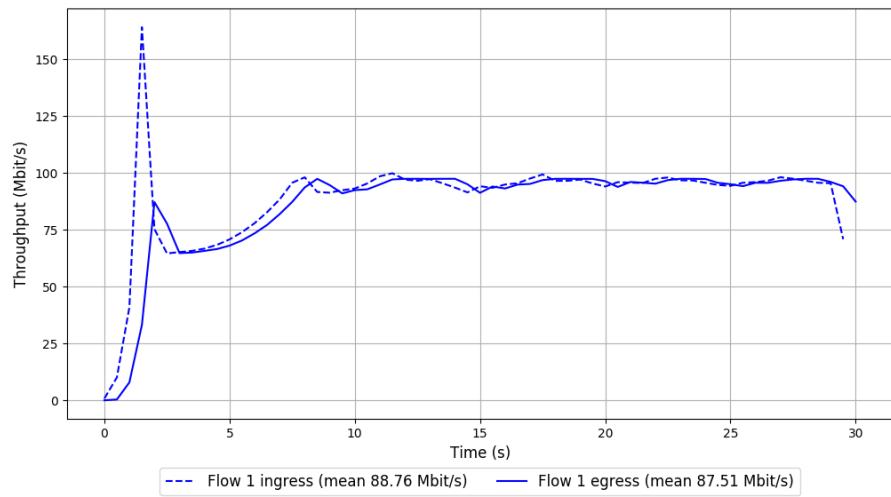


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-30 09:02:54
End at: 2018-05-30 09:03:24
Local clock offset: 0.565 ms
Remote clock offset: 11.207 ms

# Below is generated by plot.py at 2018-05-30 11:43:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 95.855 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 95.855 ms
Loss rate: 1.40%
```

Run 3: Report of PCC-Allegro — Data Link

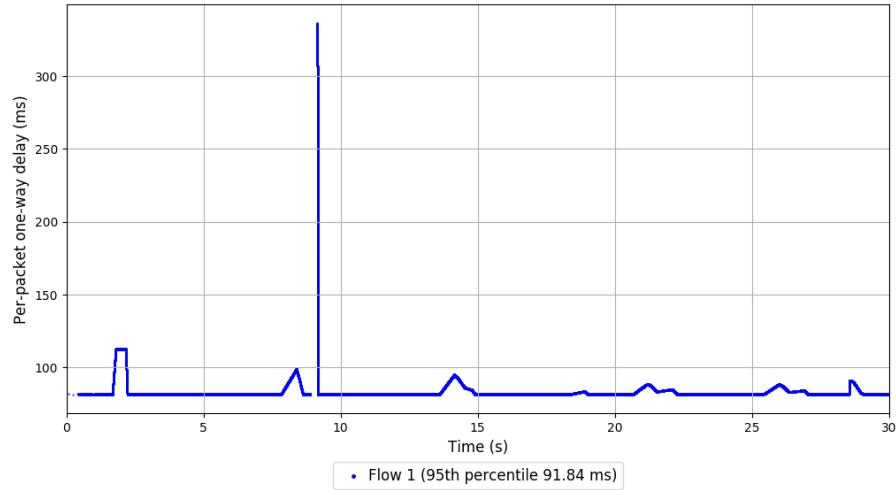
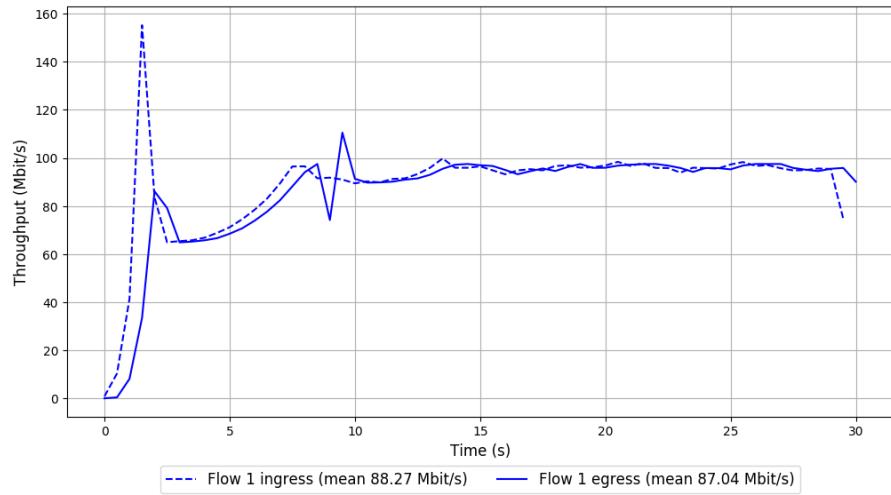


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-30 09:21:33
End at: 2018-05-30 09:22:03
Local clock offset: -0.249 ms
Remote clock offset: 17.28 ms

# Below is generated by plot.py at 2018-05-30 11:43:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: 91.837 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: 91.837 ms
Loss rate: 1.40%
```

Run 4: Report of PCC-Allegro — Data Link

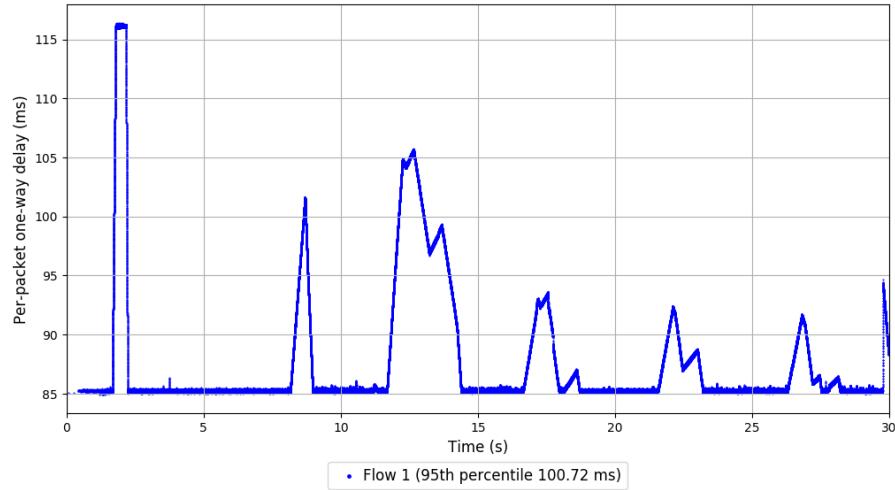
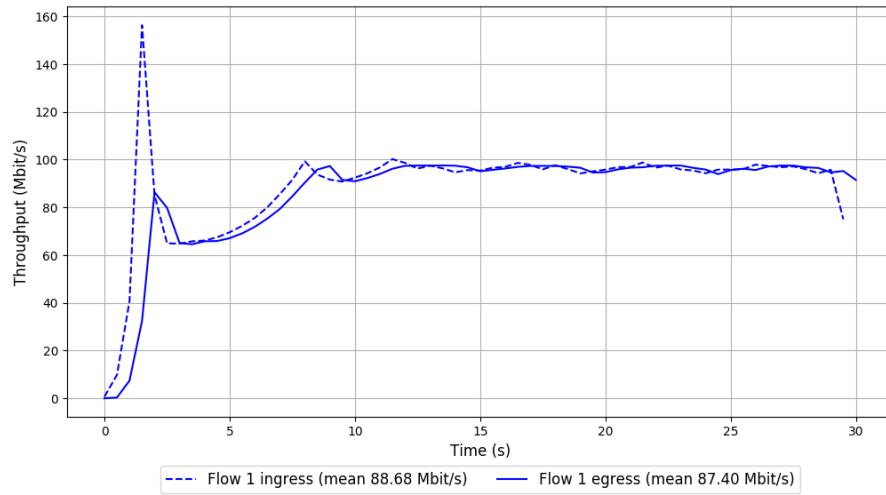


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-30 09:40:13
End at: 2018-05-30 09:40:43
Local clock offset: -0.385 ms
Remote clock offset: 20.712 ms

# Below is generated by plot.py at 2018-05-30 11:43:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 100.722 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 100.722 ms
Loss rate: 1.43%
```

Run 5: Report of PCC-Allegro — Data Link

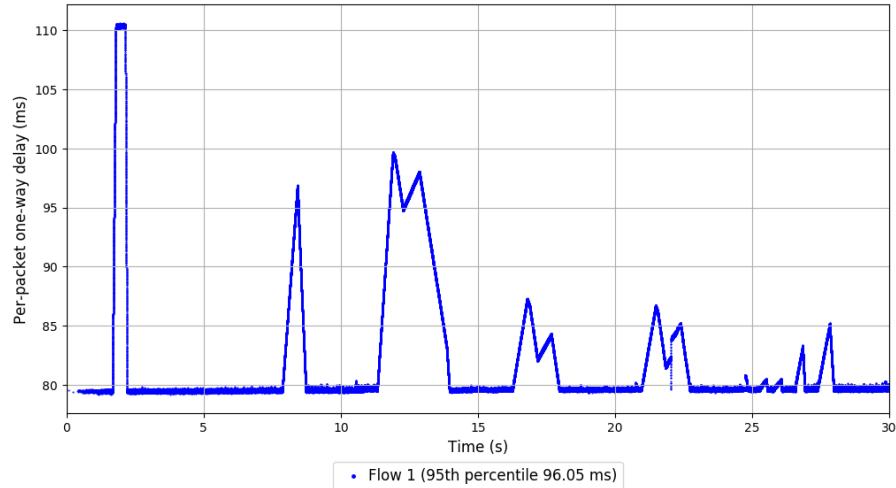
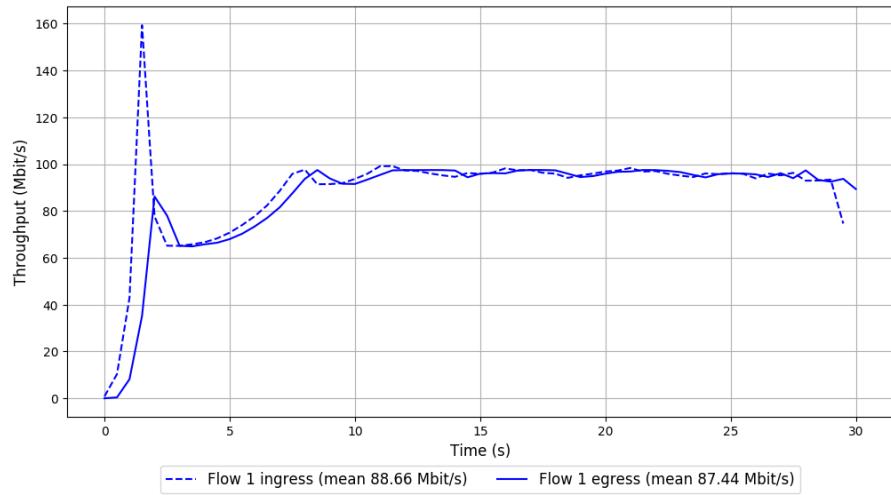


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-30 09:58:52
End at: 2018-05-30 09:59:22
Local clock offset: -1.594 ms
Remote clock offset: 11.539 ms

# Below is generated by plot.py at 2018-05-30 11:43:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 96.051 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 96.051 ms
Loss rate: 1.38%
```

Run 6: Report of PCC-Allegro — Data Link

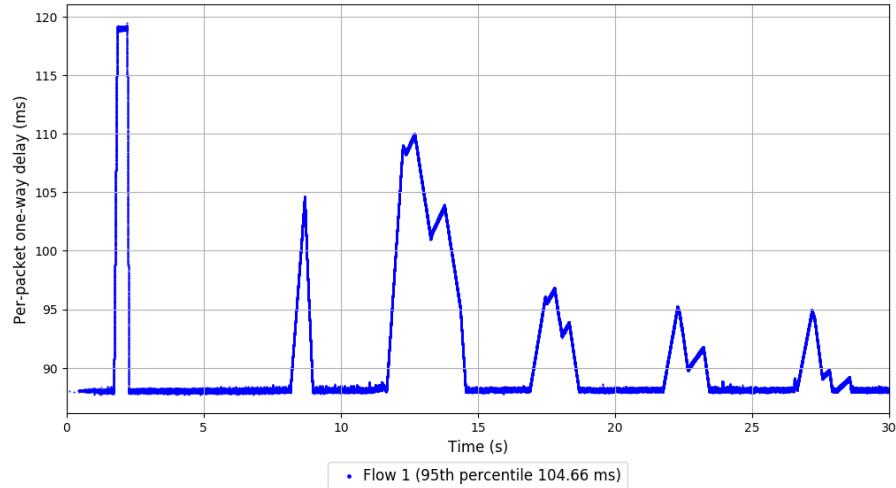
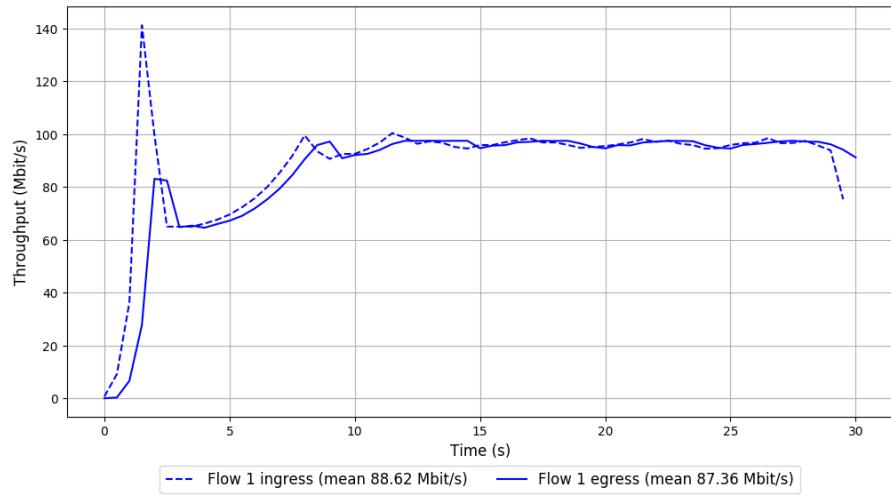


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-30 10:17:30
End at: 2018-05-30 10:18:00
Local clock offset: -1.851 ms
Remote clock offset: 12.957 ms

# Below is generated by plot.py at 2018-05-30 11:43:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 104.660 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 104.660 ms
Loss rate: 1.44%
```

Run 7: Report of PCC-Allegro — Data Link

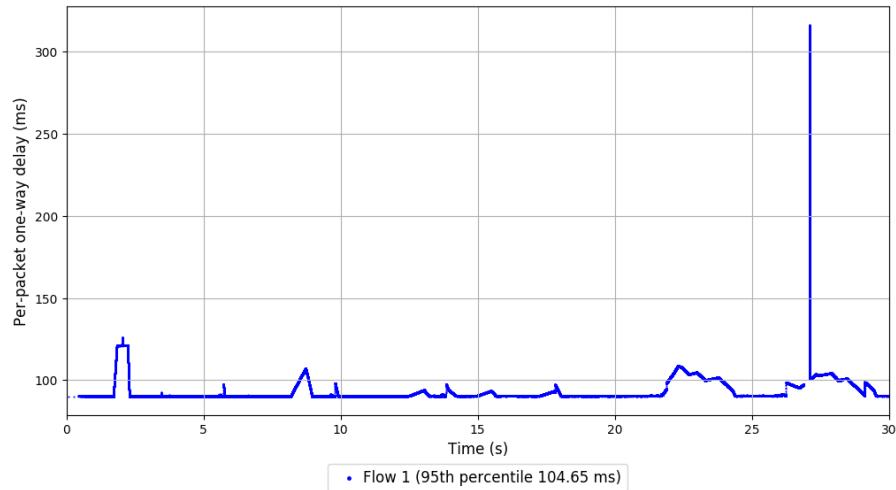
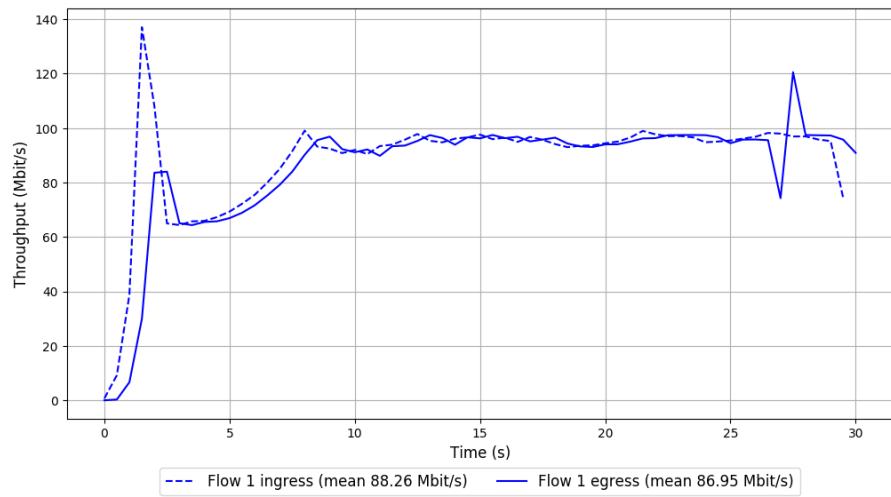


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-30 10:36:17
End at: 2018-05-30 10:36:47
Local clock offset: -3.049 ms
Remote clock offset: 8.538 ms

# Below is generated by plot.py at 2018-05-30 11:43:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 104.647 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 104.647 ms
Loss rate: 1.49%
```

Run 8: Report of PCC-Allegro — Data Link

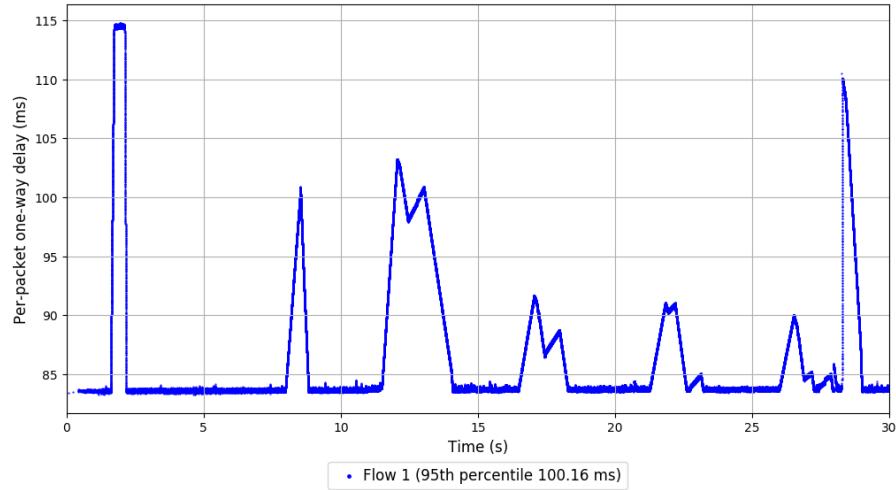
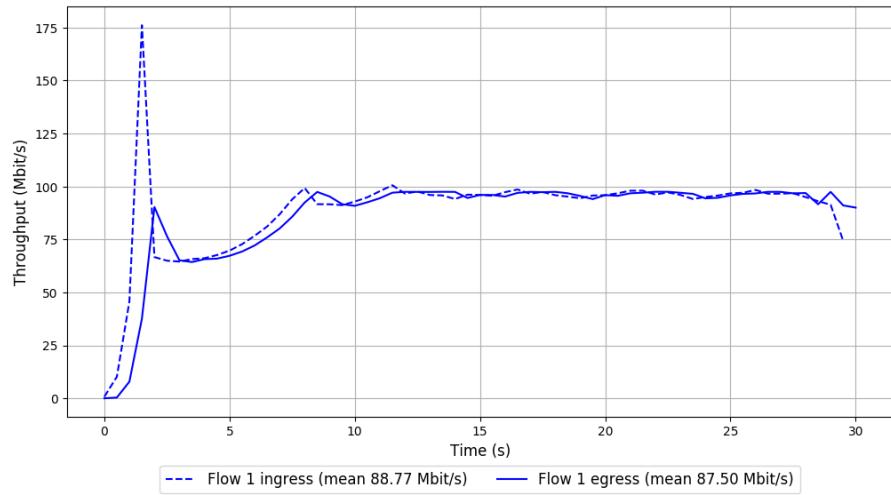


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-30 10:55:00
End at: 2018-05-30 10:55:30
Local clock offset: -3.017 ms
Remote clock offset: 3.697 ms

# Below is generated by plot.py at 2018-05-30 11:44:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 100.157 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 100.157 ms
Loss rate: 1.43%
```

Run 9: Report of PCC-Allegro — Data Link

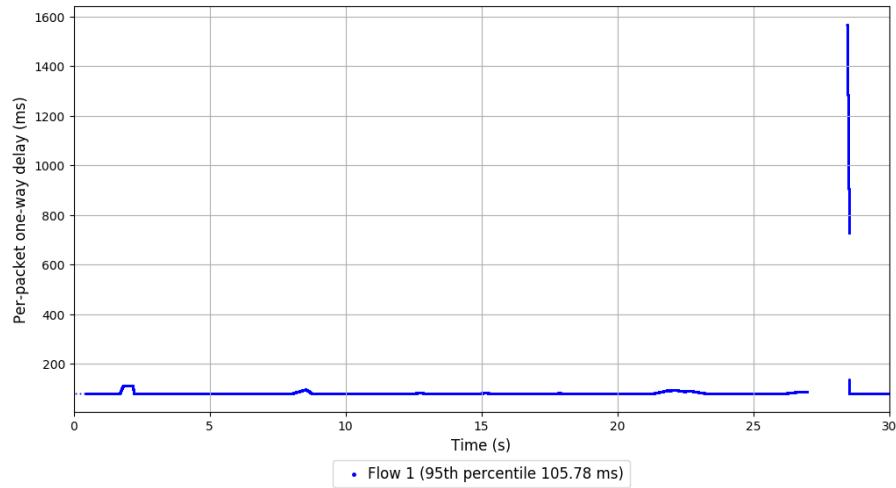
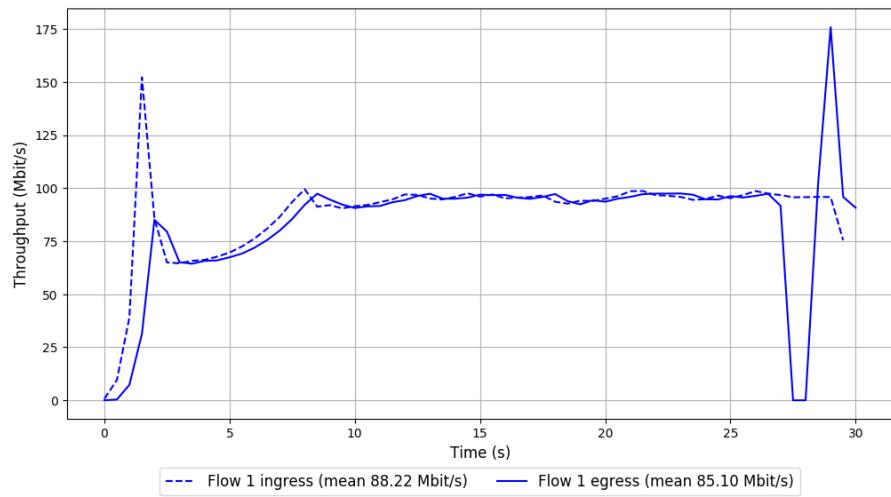


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-30 11:13:39
End at: 2018-05-30 11:14:09
Local clock offset: -5.76 ms
Remote clock offset: 3.272 ms

# Below is generated by plot.py at 2018-05-30 11:44:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 105.777 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 105.777 ms
Loss rate: 3.54%
```

Run 10: Report of PCC-Allegro — Data Link

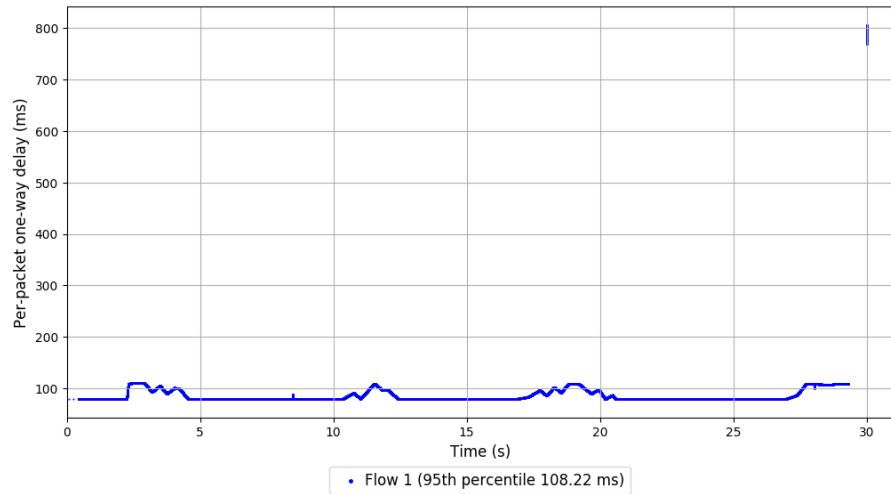
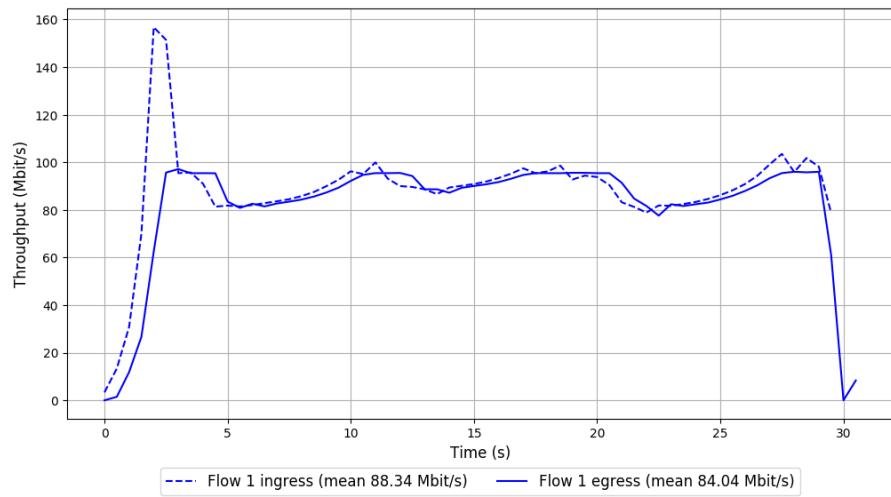


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-30 08:32:36
End at: 2018-05-30 08:33:06
Local clock offset: -0.086 ms
Remote clock offset: 3.638 ms

# Below is generated by plot.py at 2018-05-30 11:45:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 108.217 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 108.217 ms
Loss rate: 4.78%
```

Run 1: Report of PCC-Expr — Data Link

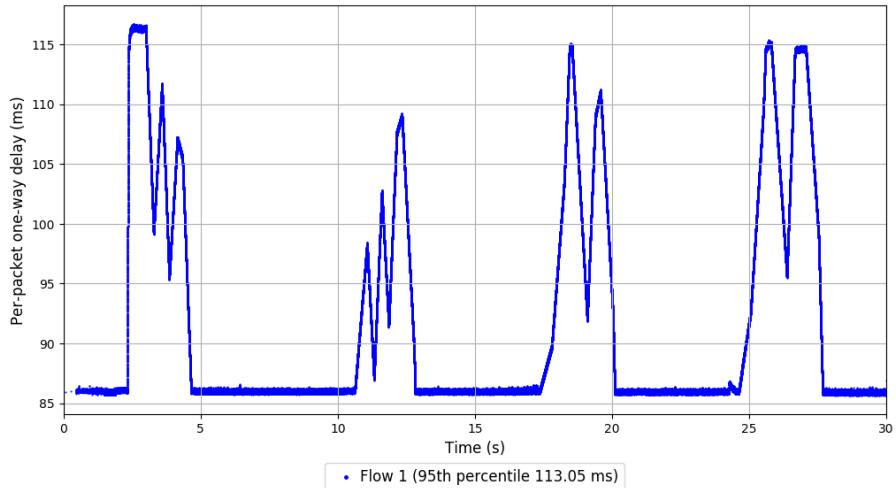
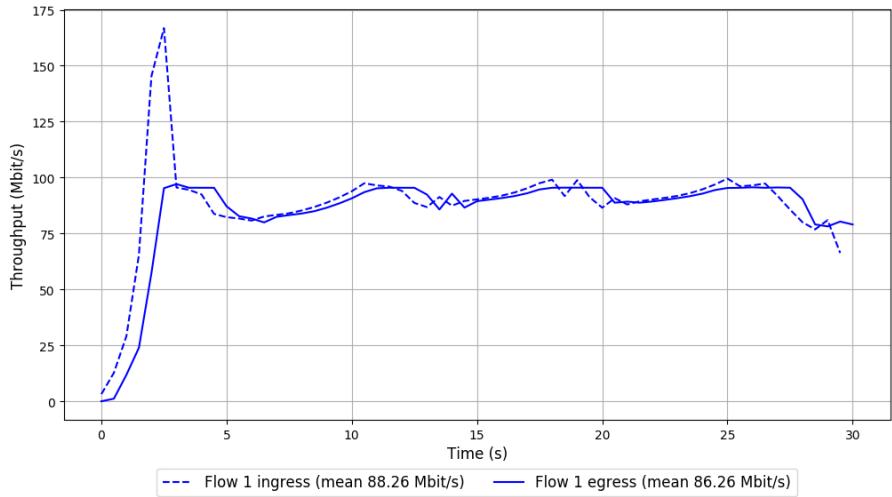


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-30 08:51:16
End at: 2018-05-30 08:51:46
Local clock offset: -0.009 ms
Remote clock offset: 9.817 ms

# Below is generated by plot.py at 2018-05-30 11:45:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 113.054 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 113.054 ms
Loss rate: 2.29%
```

Run 2: Report of PCC-Expr — Data Link

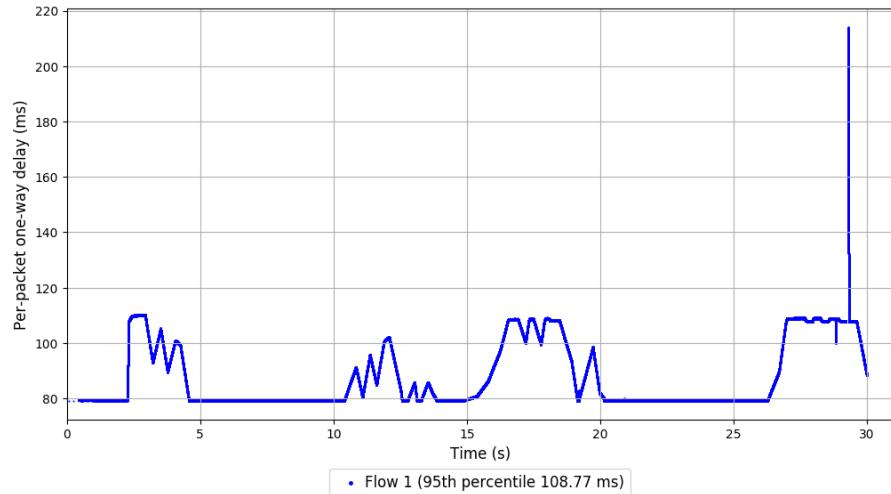
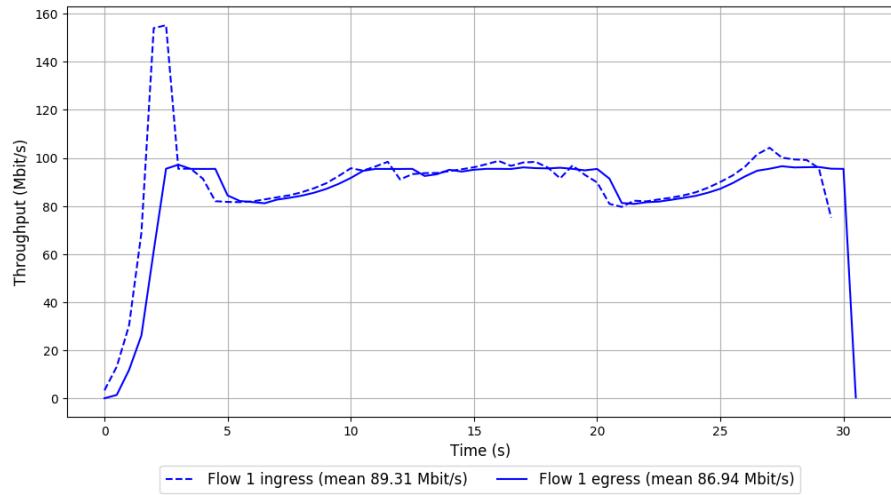


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-30 09:09:56
End at: 2018-05-30 09:10:26
Local clock offset: 0.256 ms
Remote clock offset: 12.129 ms

# Below is generated by plot.py at 2018-05-30 11:45:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 108.767 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 108.767 ms
Loss rate: 2.62%
```

Run 3: Report of PCC-Expr — Data Link

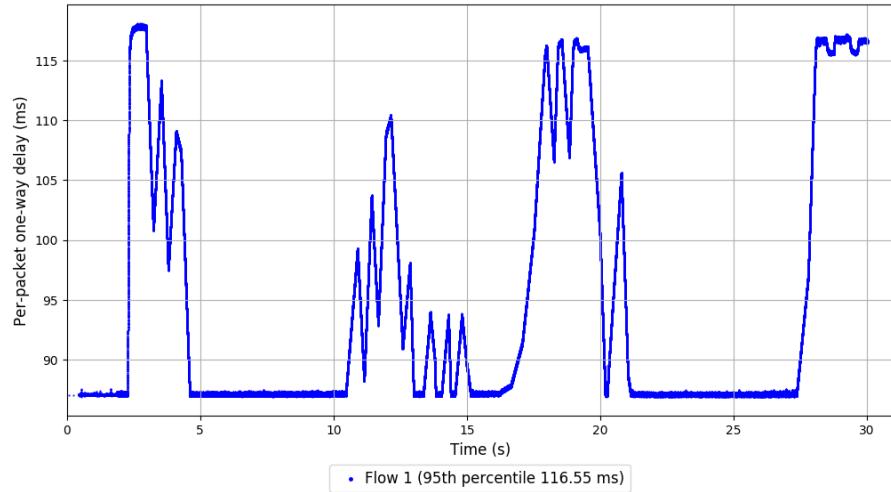
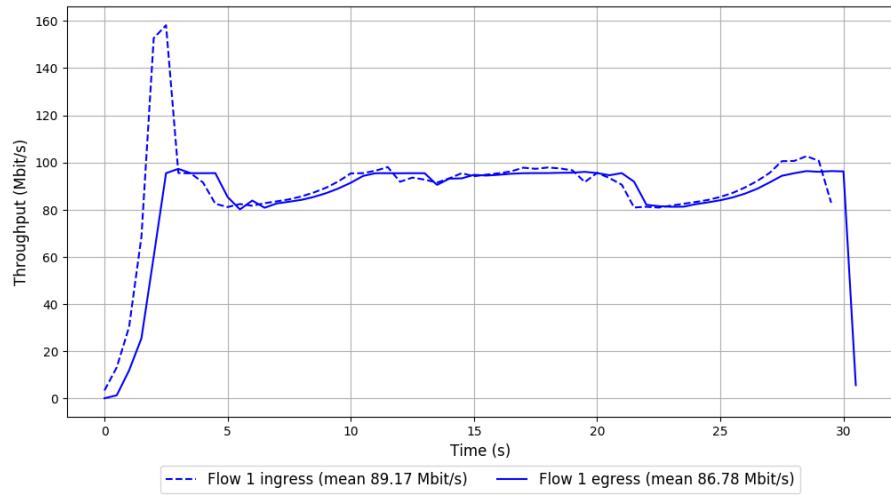


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-30 09:28:36
End at: 2018-05-30 09:29:06
Local clock offset: -0.928 ms
Remote clock offset: 19.688 ms

# Below is generated by plot.py at 2018-05-30 11:45:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 116.549 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 116.549 ms
Loss rate: 2.58%
```

Run 4: Report of PCC-Expr — Data Link

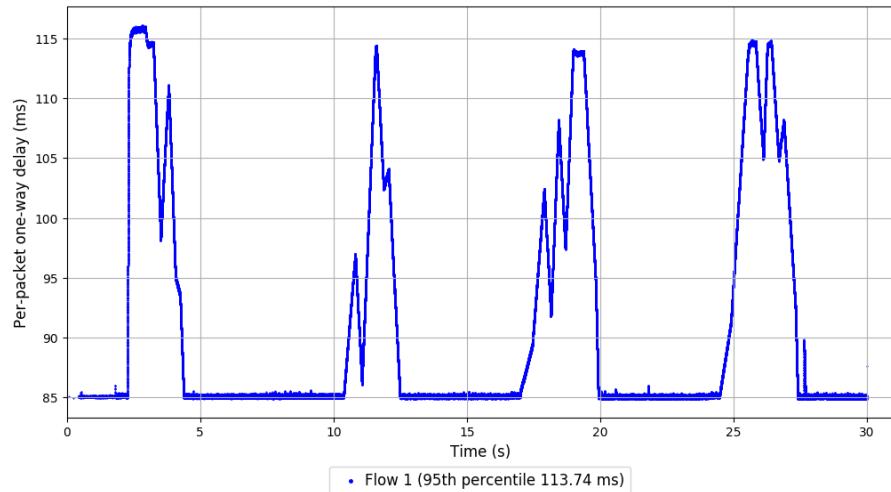
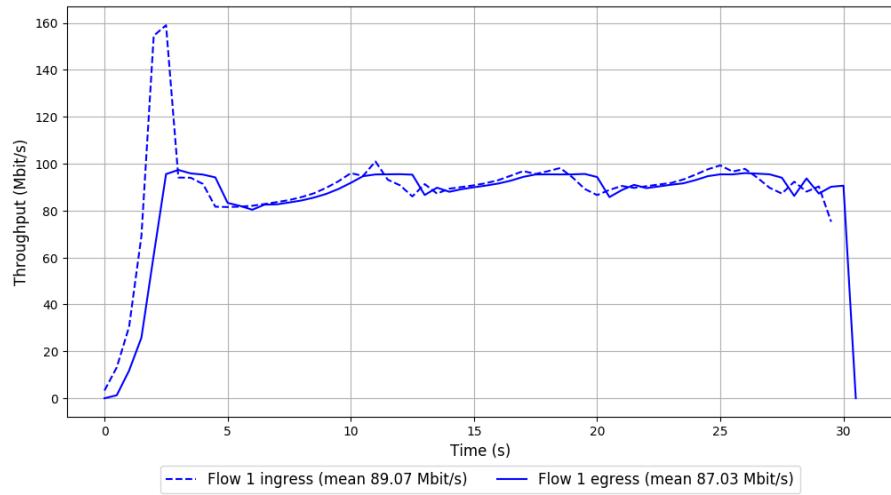


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-30 09:47:15
End at: 2018-05-30 09:47:45
Local clock offset: -1.598 ms
Remote clock offset: 20.383 ms

# Below is generated by plot.py at 2018-05-30 11:45:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 113.743 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 113.743 ms
Loss rate: 2.28%
```

Run 5: Report of PCC-Expr — Data Link

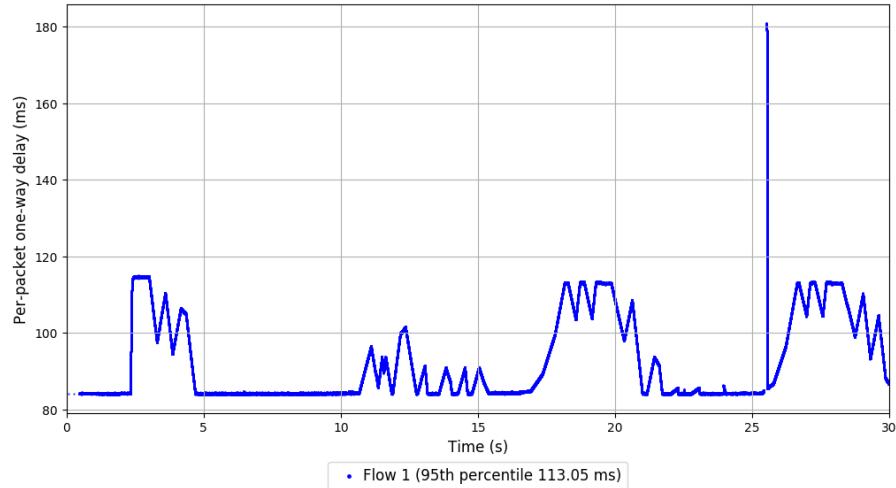
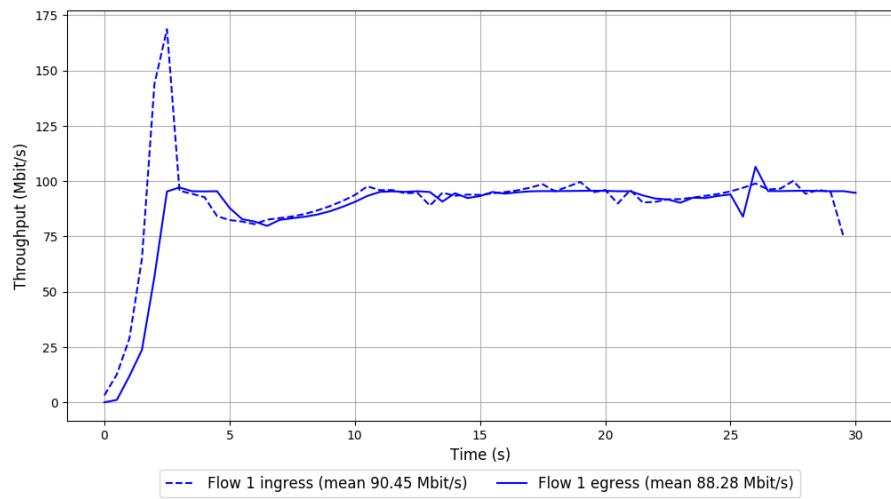


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-30 10:05:54
End at: 2018-05-30 10:06:25
Local clock offset: -1.546 ms
Remote clock offset: 9.332 ms

# Below is generated by plot.py at 2018-05-30 11:46:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 113.045 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 113.045 ms
Loss rate: 2.41%
```

Run 6: Report of PCC-Expr — Data Link

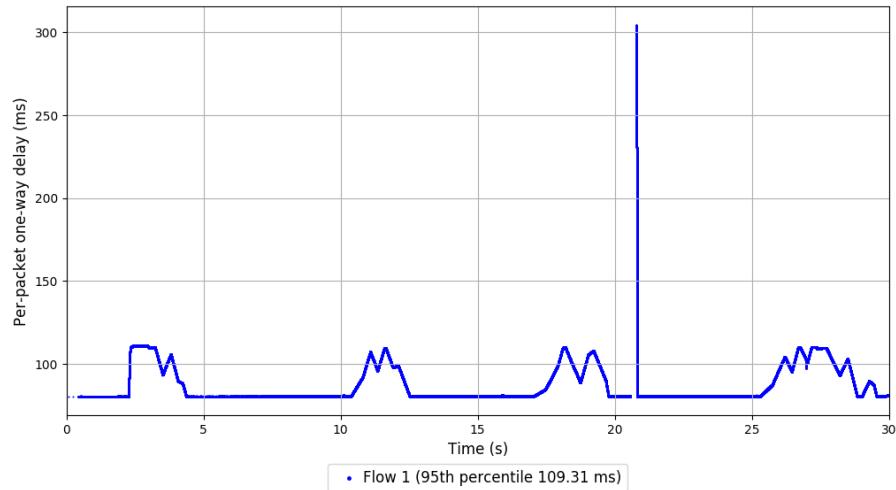
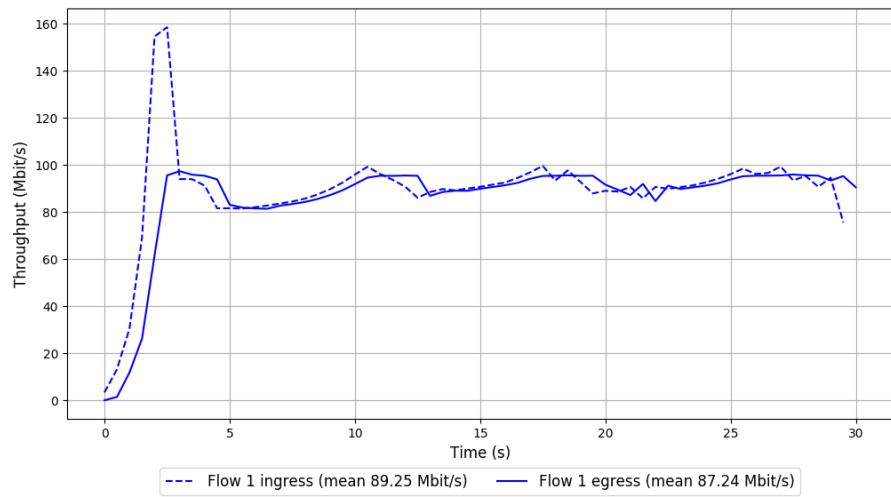


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-30 10:24:35
End at: 2018-05-30 10:25:05
Local clock offset: -2.93 ms
Remote clock offset: 6.959 ms

# Below is generated by plot.py at 2018-05-30 11:46:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 109.314 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 109.314 ms
Loss rate: 2.25%
```

Run 7: Report of PCC-Expr — Data Link

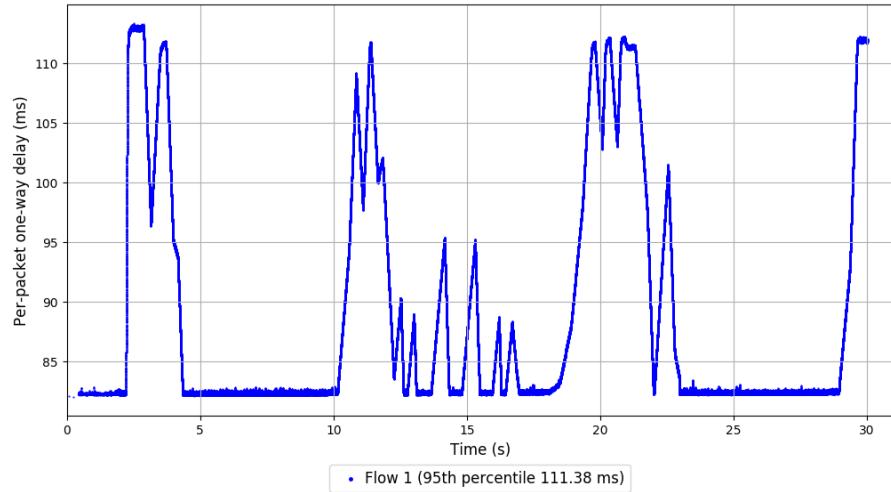
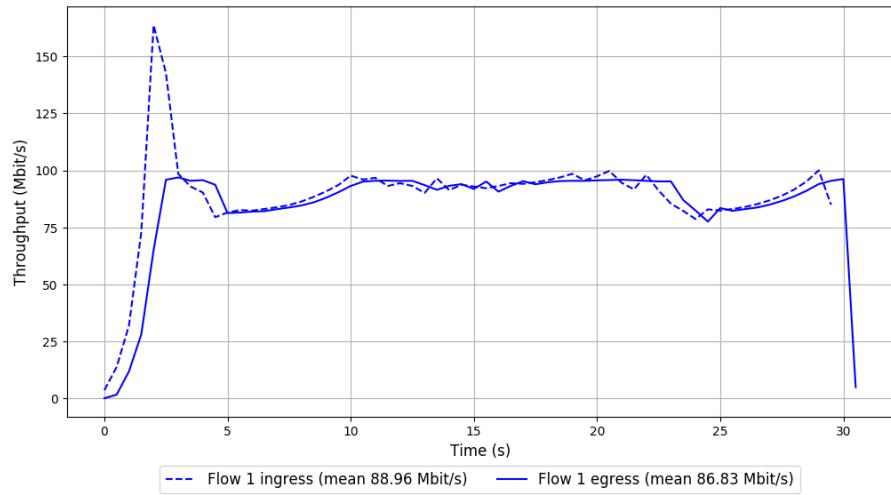


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-30 10:43:21
End at: 2018-05-30 10:43:51
Local clock offset: -2.569 ms
Remote clock offset: 5.248 ms

# Below is generated by plot.py at 2018-05-30 11:46:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.83 Mbit/s
95th percentile per-packet one-way delay: 111.380 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 86.83 Mbit/s
95th percentile per-packet one-way delay: 111.380 ms
Loss rate: 2.29%
```

Run 8: Report of PCC-Expr — Data Link

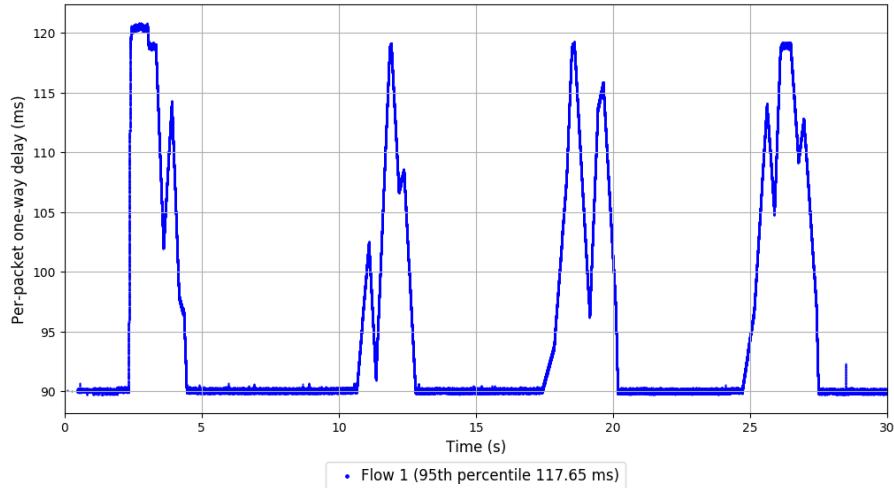
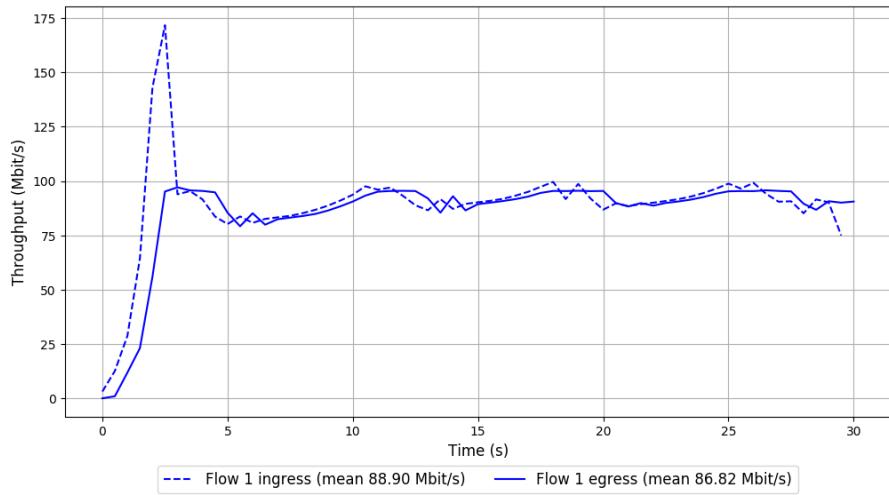


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-30 11:02:02
End at: 2018-05-30 11:02:32
Local clock offset: -2.97 ms
Remote clock offset: 6.13 ms

# Below is generated by plot.py at 2018-05-30 11:47:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 117.651 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 117.651 ms
Loss rate: 2.35%
```

Run 9: Report of PCC-Expr — Data Link

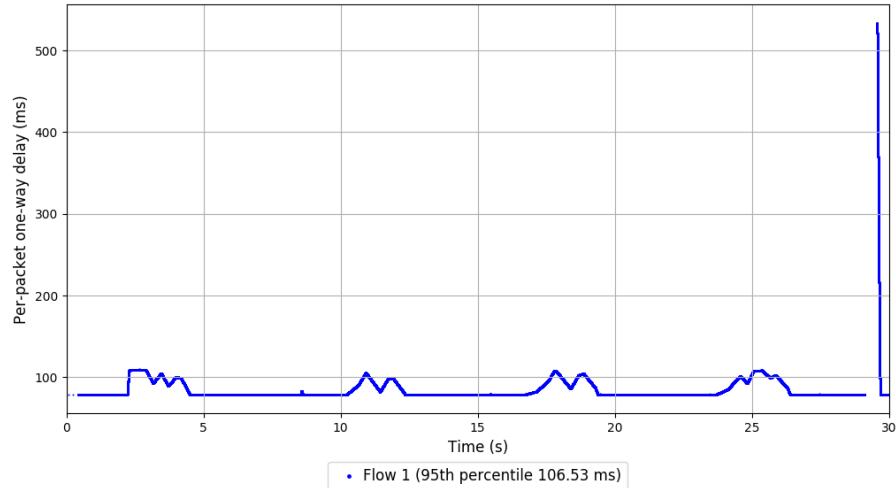
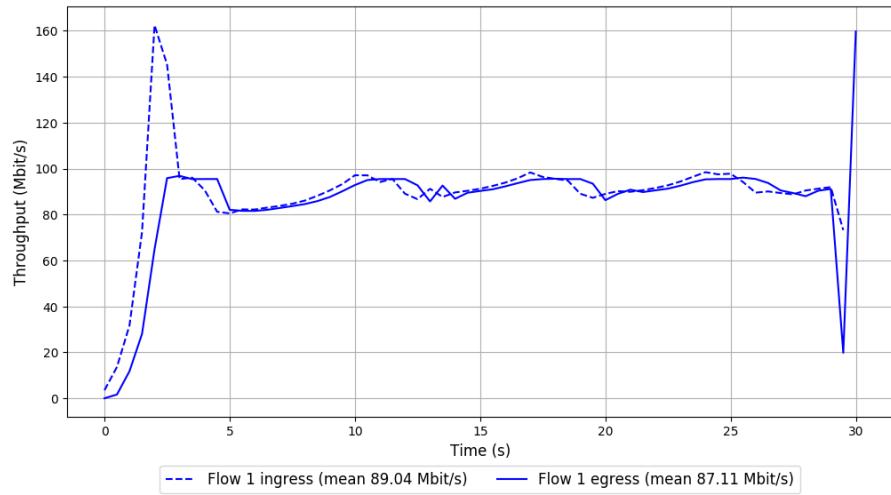


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-30 11:20:46
End at: 2018-05-30 11:21:16
Local clock offset: -6.428 ms
Remote clock offset: 2.355 ms

# Below is generated by plot.py at 2018-05-30 11:47:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 106.534 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 106.534 ms
Loss rate: 2.17%
```

Run 10: Report of PCC-Expr — Data Link

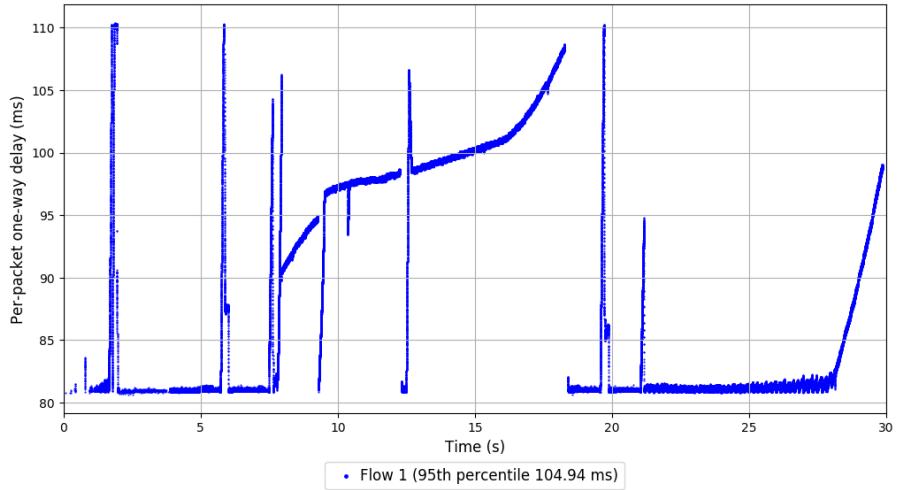
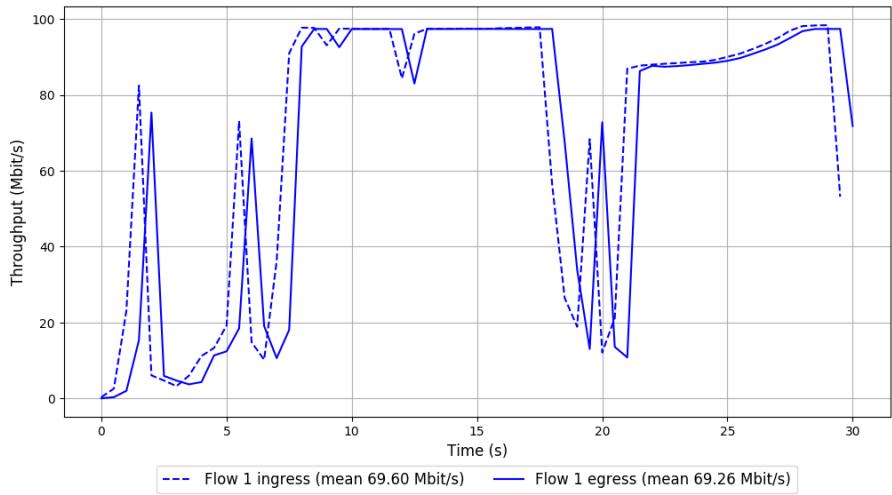


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-30 08:38:27
End at: 2018-05-30 08:38:57
Local clock offset: -1.525 ms
Remote clock offset: 3.772 ms

# Below is generated by plot.py at 2018-05-30 11:47:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.26 Mbit/s
95th percentile per-packet one-way delay: 104.938 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 69.26 Mbit/s
95th percentile per-packet one-way delay: 104.938 ms
Loss rate: 0.43%
```

Run 1: Report of QUIC Cubic — Data Link

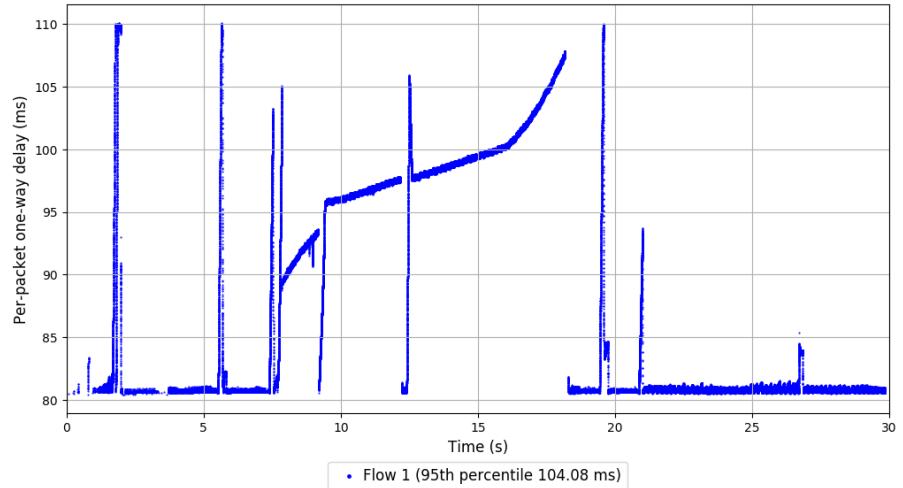
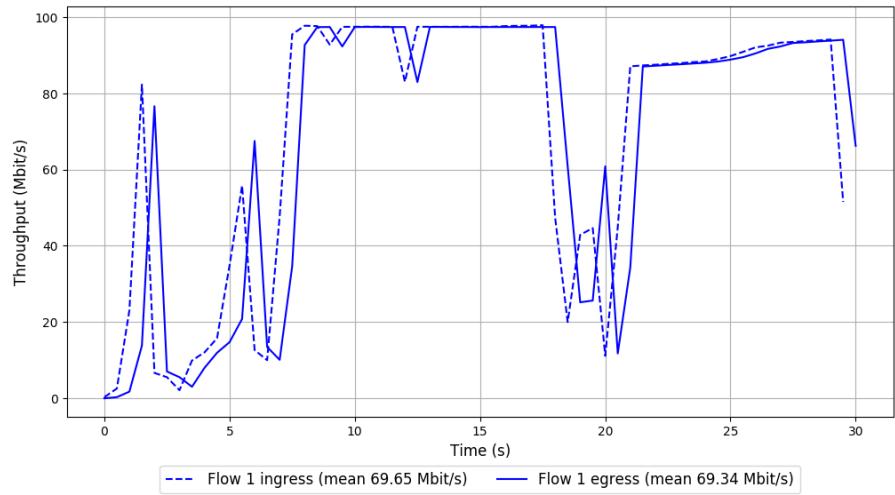


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-30 08:57:08
End at: 2018-05-30 08:57:38
Local clock offset: -0.518 ms
Remote clock offset: 11.029 ms

# Below is generated by plot.py at 2018-05-30 11:47:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 104.075 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 104.075 ms
Loss rate: 0.44%
```

Run 2: Report of QUIC Cubic — Data Link

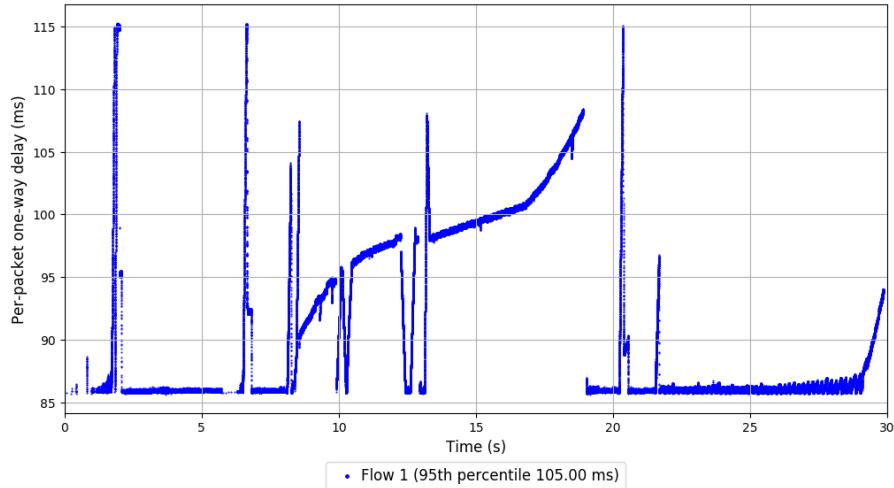
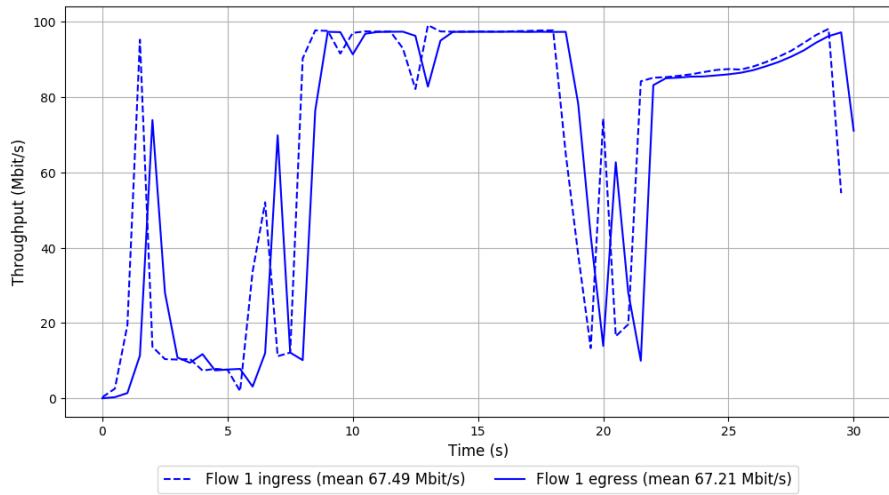


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-30 09:15:48
End at: 2018-05-30 09:16:18
Local clock offset: -0.209 ms
Remote clock offset: 13.542 ms

# Below is generated by plot.py at 2018-05-30 11:47:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 105.004 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 105.004 ms
Loss rate: 0.41%
```

Run 3: Report of QUIC Cubic — Data Link

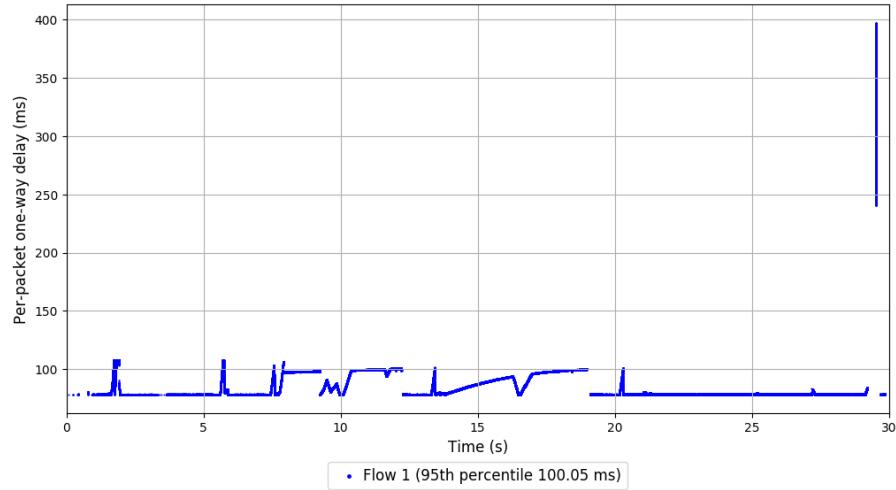
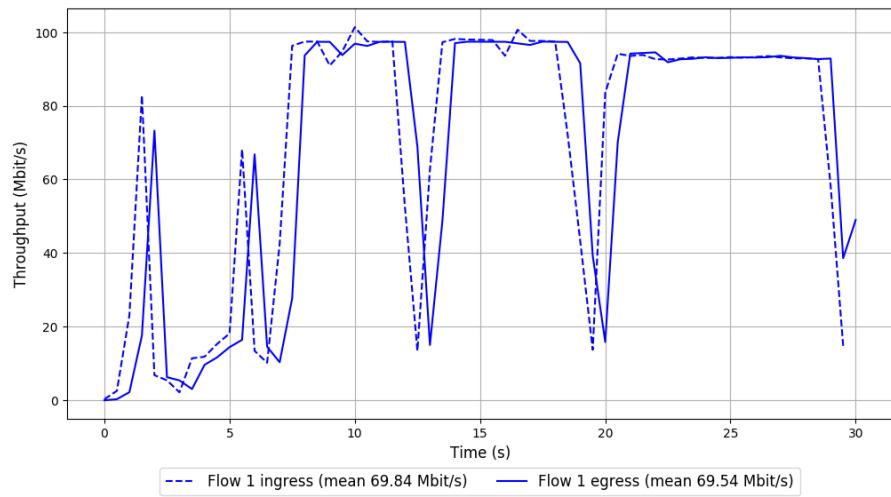


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-30 09:34:28
End at: 2018-05-30 09:34:58
Local clock offset: -0.809 ms
Remote clock offset: 14.309 ms

# Below is generated by plot.py at 2018-05-30 11:47:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.54 Mbit/s
95th percentile per-packet one-way delay: 100.045 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 69.54 Mbit/s
95th percentile per-packet one-way delay: 100.045 ms
Loss rate: 0.43%
```

Run 4: Report of QUIC Cubic — Data Link

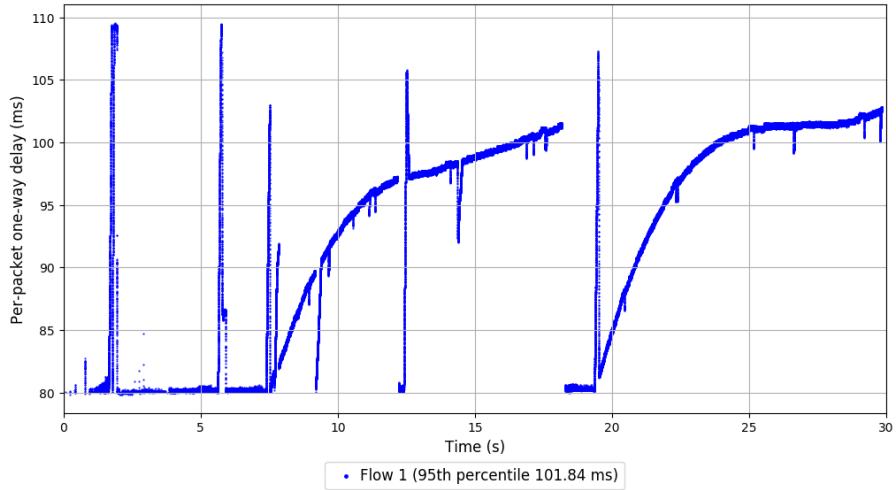
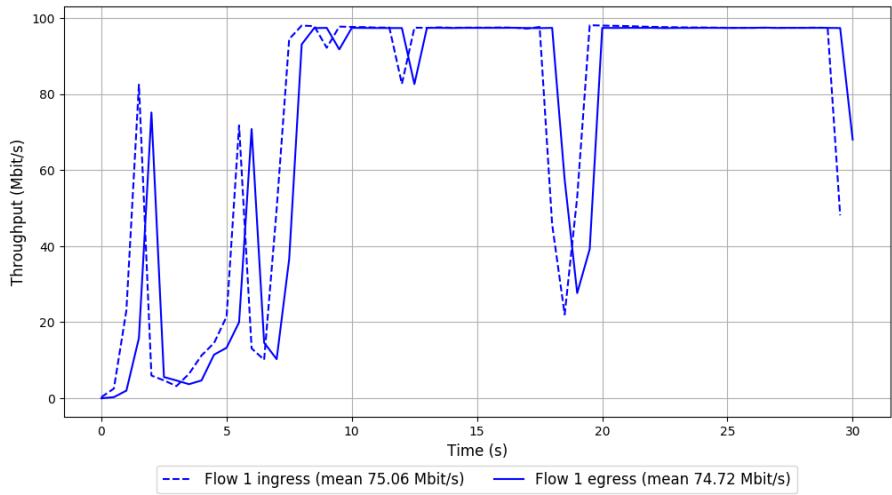


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-30 09:53:06
End at: 2018-05-30 09:53:36
Local clock offset: -2.374 ms
Remote clock offset: 13.87 ms

# Below is generated by plot.py at 2018-05-30 11:47:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 101.839 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 101.839 ms
Loss rate: 0.38%
```

Run 5: Report of QUIC Cubic — Data Link

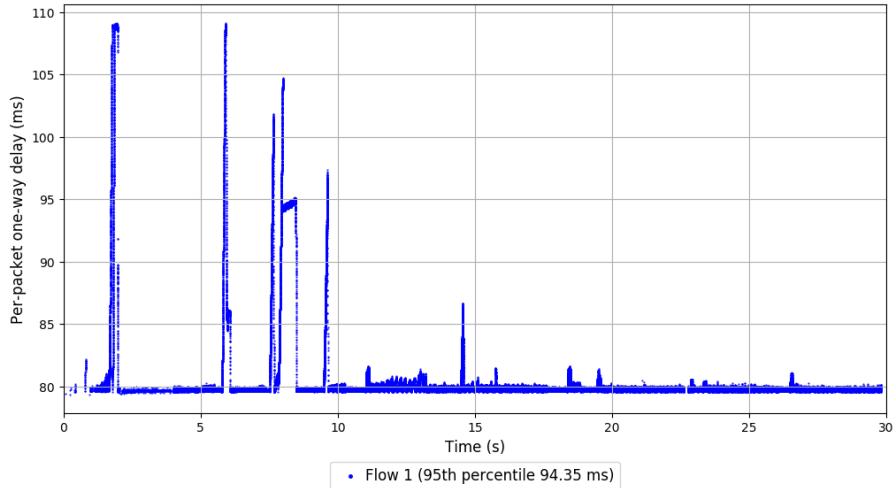
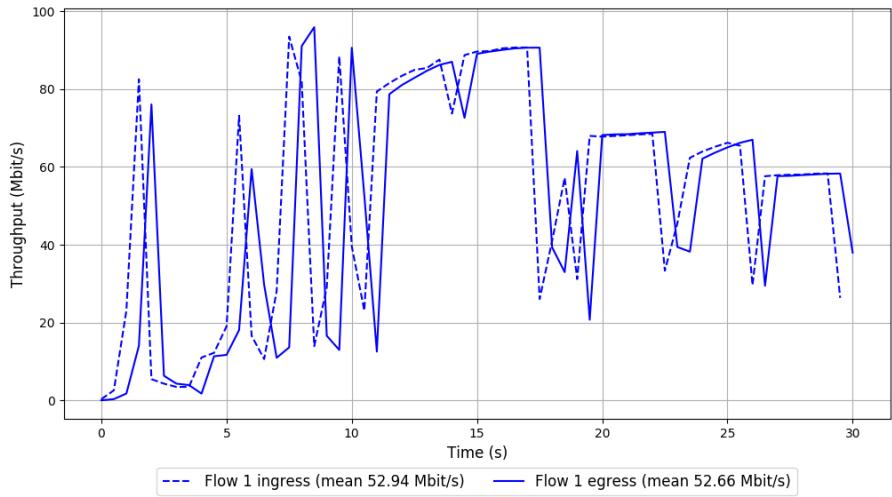


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-30 10:11:46
End at: 2018-05-30 10:12:16
Local clock offset: -1.476 ms
Remote clock offset: 9.532 ms

# Below is generated by plot.py at 2018-05-30 11:47:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 94.351 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 94.351 ms
Loss rate: 0.53%
```

Run 6: Report of QUIC Cubic — Data Link

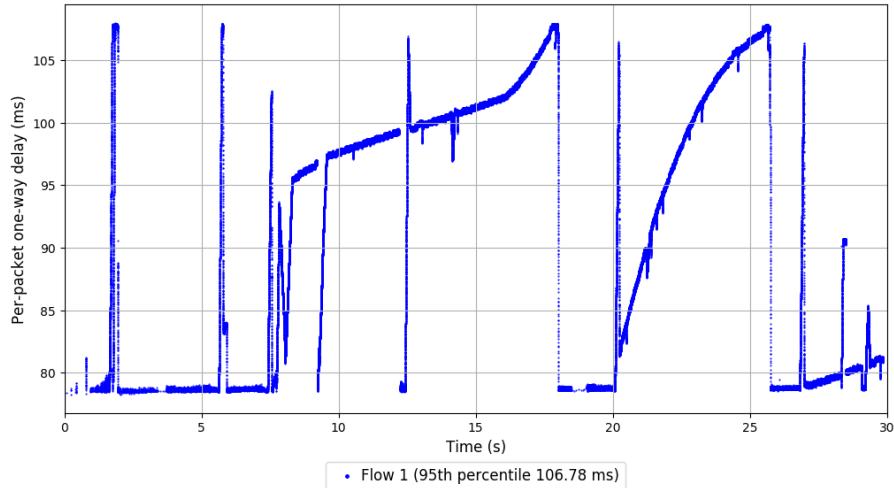
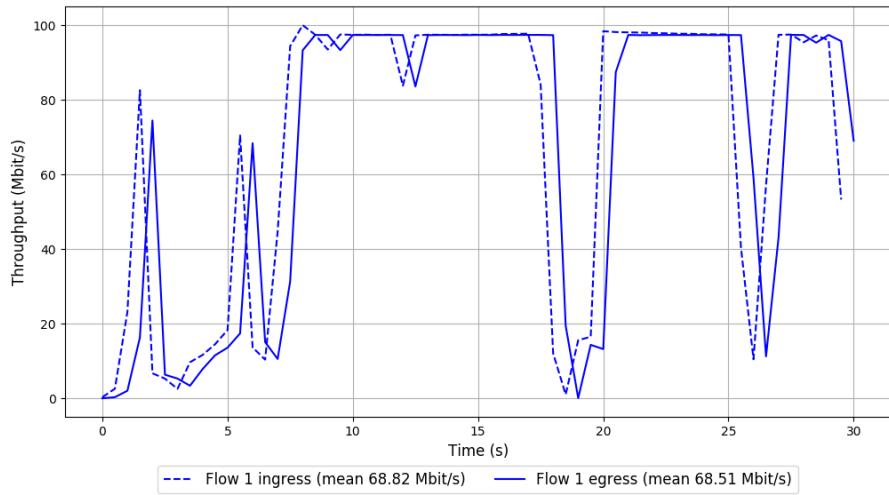


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-30 10:30:31
End at: 2018-05-30 10:31:02
Local clock offset: -2.974 ms
Remote clock offset: 4.266 ms

# Below is generated by plot.py at 2018-05-30 11:47:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 106.779 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 106.779 ms
Loss rate: 0.43%
```

Run 7: Report of QUIC Cubic — Data Link

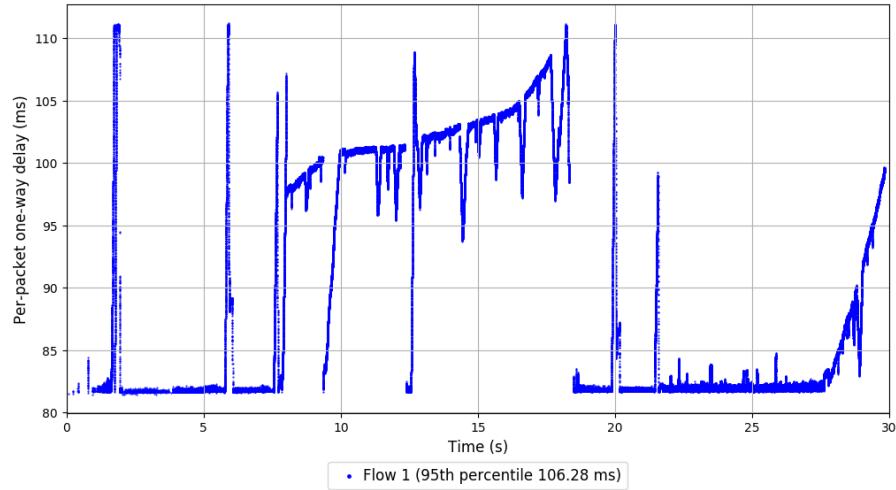
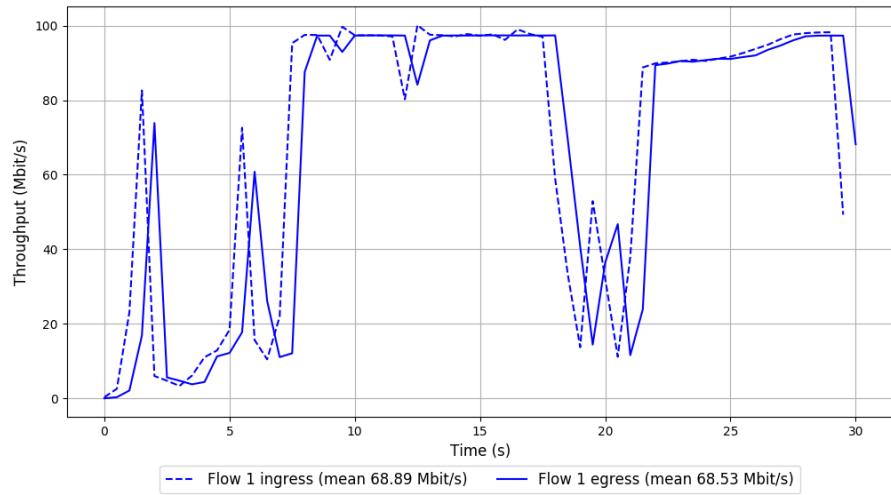


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-30 10:49:14
End at: 2018-05-30 10:49:44
Local clock offset: -1.605 ms
Remote clock offset: 4.551 ms

# Below is generated by plot.py at 2018-05-30 11:47:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.53 Mbit/s
95th percentile per-packet one-way delay: 106.277 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 68.53 Mbit/s
95th percentile per-packet one-way delay: 106.277 ms
Loss rate: 0.47%
```

Run 8: Report of QUIC Cubic — Data Link

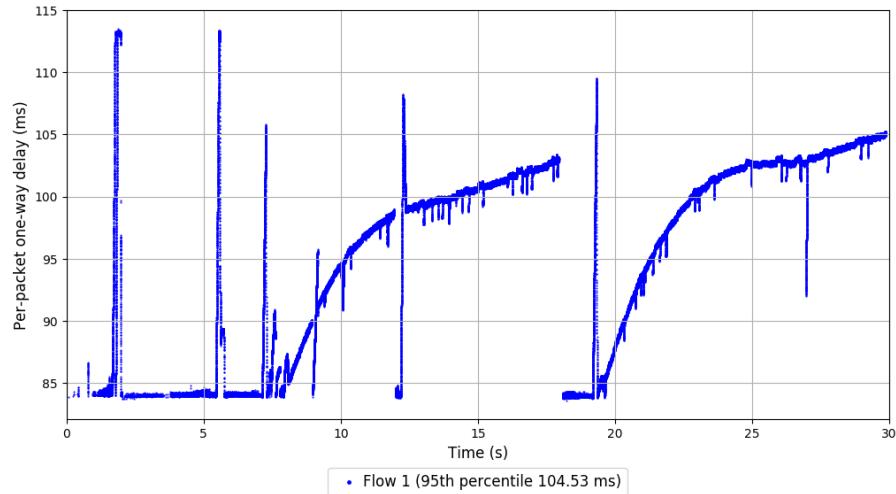
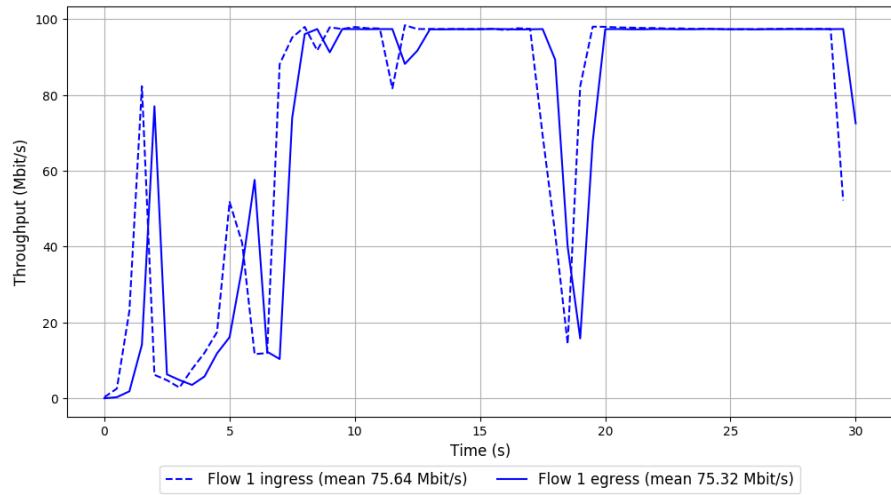


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-30 11:07:54
End at: 2018-05-30 11:08:24
Local clock offset: -2.933 ms
Remote clock offset: 6.059 ms

# Below is generated by plot.py at 2018-05-30 11:48:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 104.527 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 104.527 ms
Loss rate: 0.36%
```

Run 9: Report of QUIC Cubic — Data Link

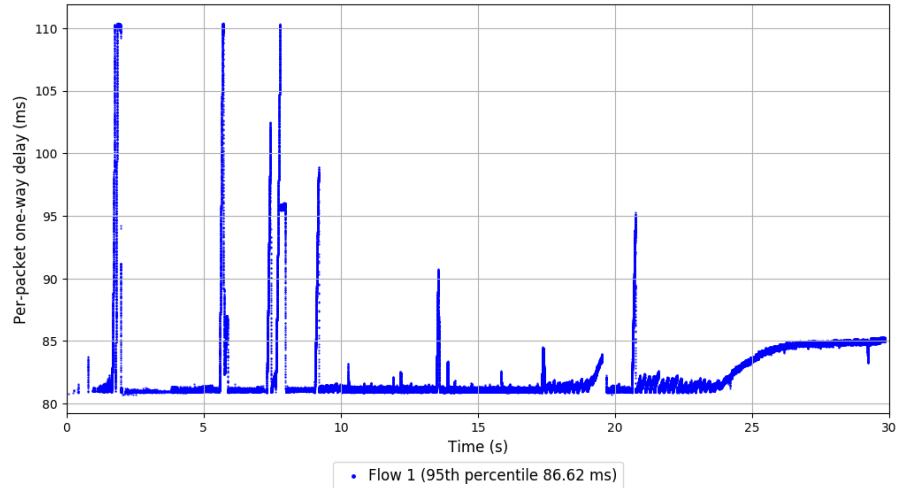
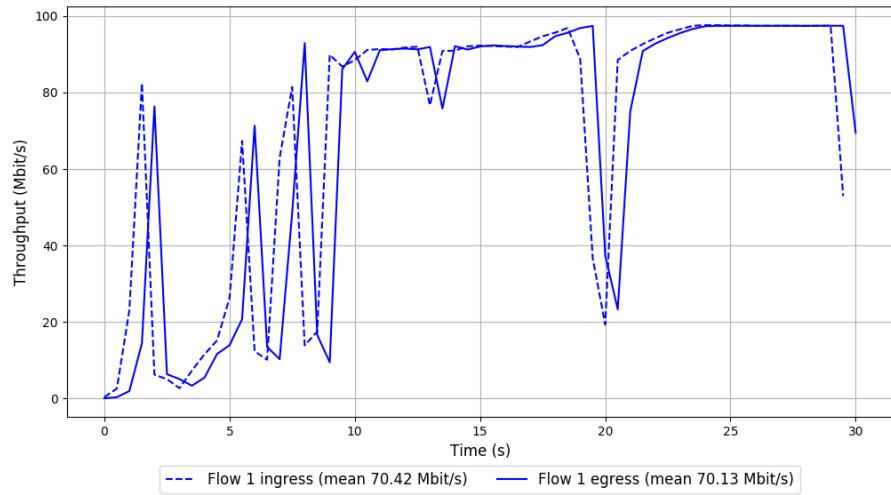


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-30 11:26:39
End at: 2018-05-30 11:27:09
Local clock offset: -8.013 ms
Remote clock offset: 2.317 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 86.621 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 86.621 ms
Loss rate: 0.39%
```

Run 10: Report of QUIC Cubic — Data Link

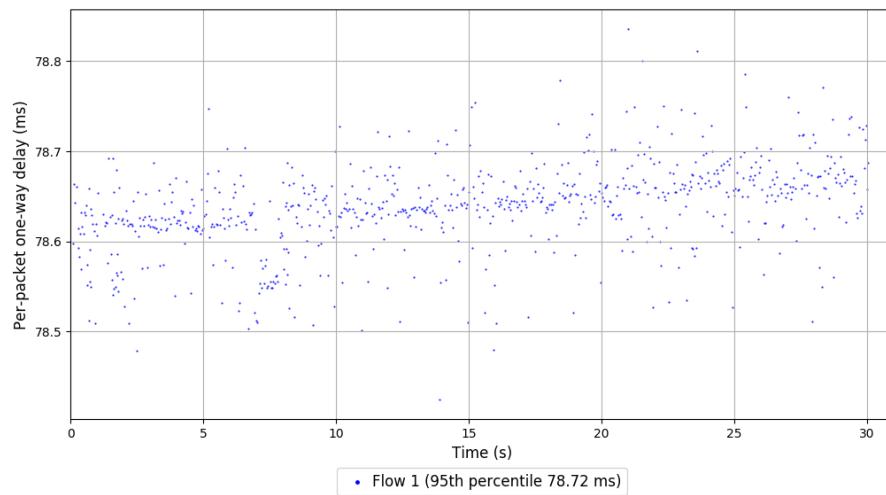
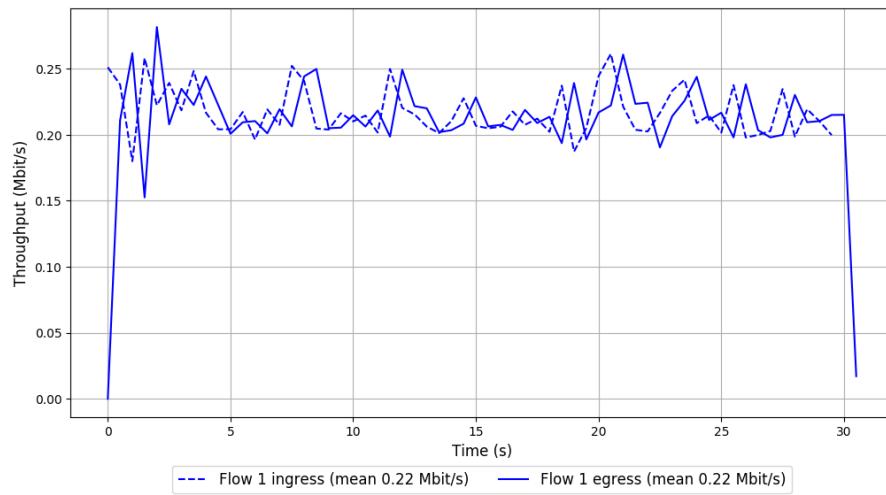


Run 1: Statistics of SCReAM

```
Start at: 2018-05-30 08:26:41
End at: 2018-05-30 08:27:11
Local clock offset: -0.679 ms
Remote clock offset: 3.685 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.717 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.717 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

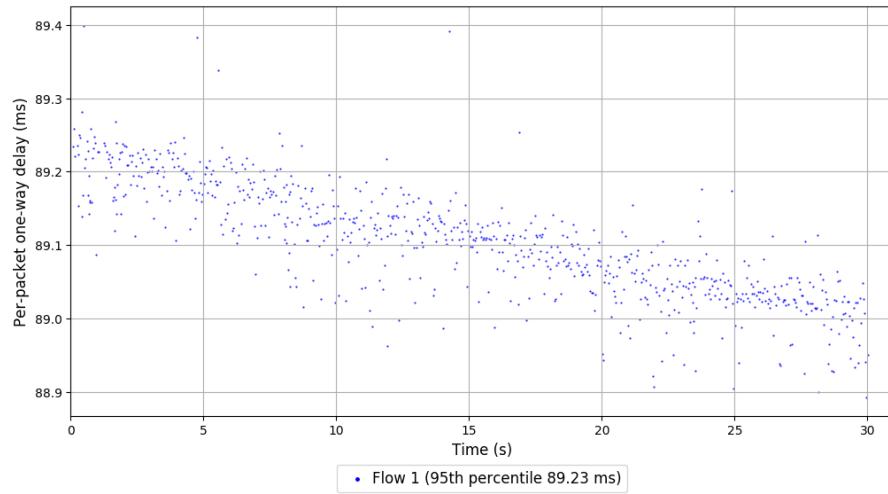
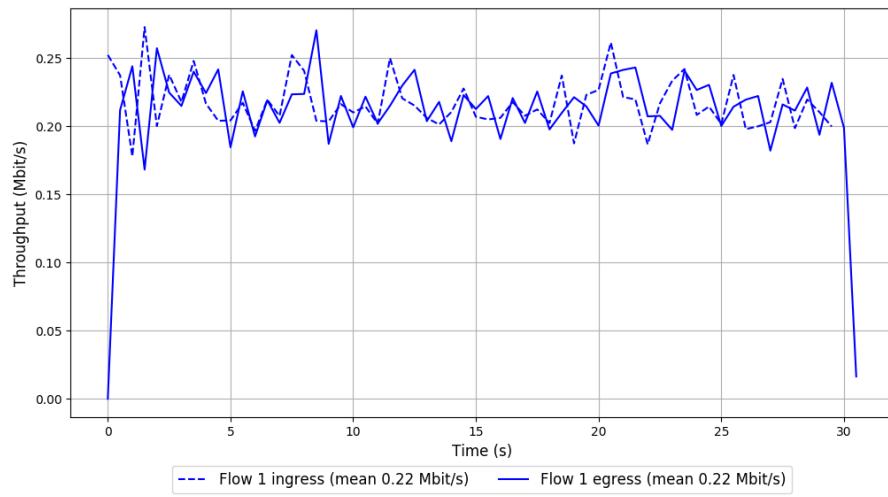


Run 2: Statistics of SCReAM

```
Start at: 2018-05-30 08:45:23
End at: 2018-05-30 08:45:53
Local clock offset: -0.13 ms
Remote clock offset: 12.58 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.226 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.226 ms
Loss rate: 0.13%
```

Run 2: Report of SCReAM — Data Link

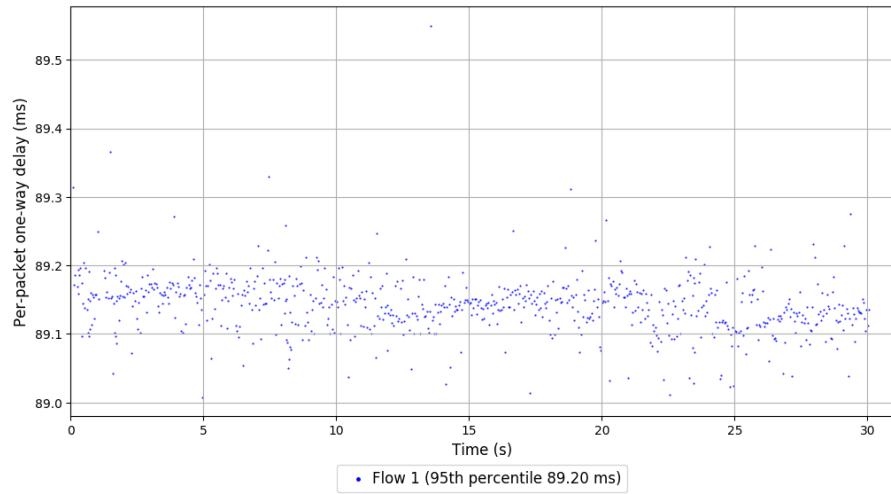
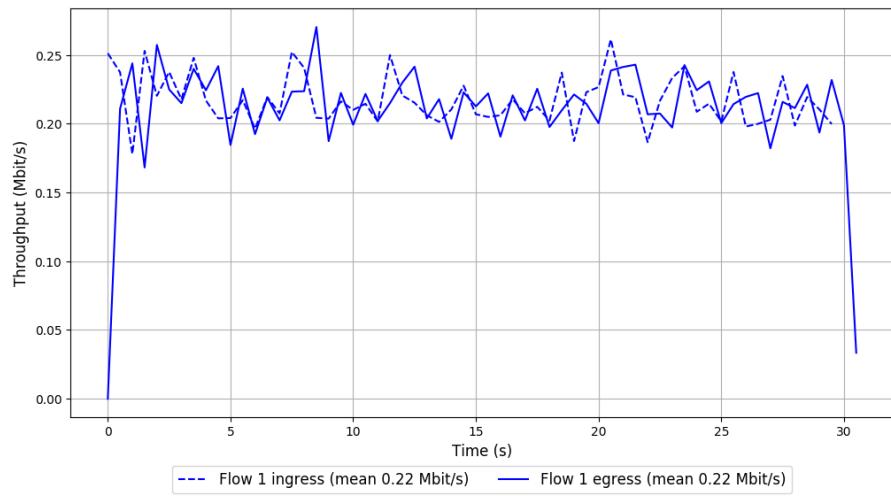


Run 3: Statistics of SCReAM

```
Start at: 2018-05-30 09:04:03
End at: 2018-05-30 09:04:34
Local clock offset: 0.615 ms
Remote clock offset: 17.143 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.199 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

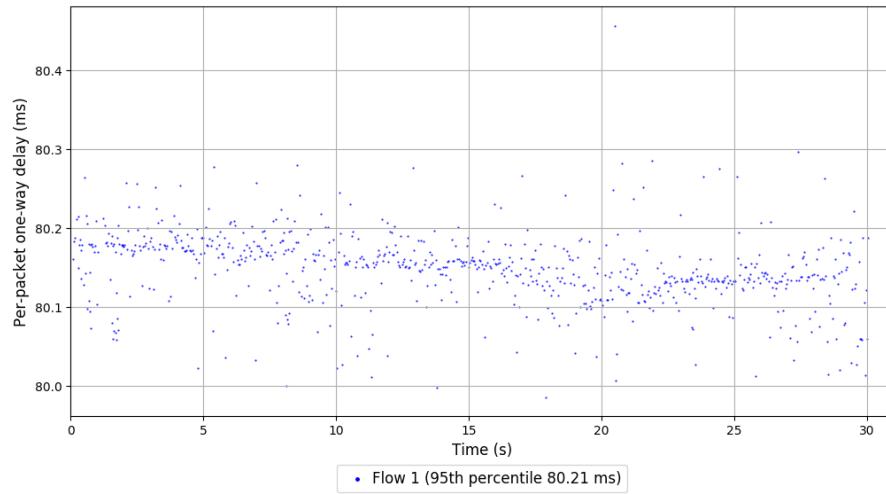
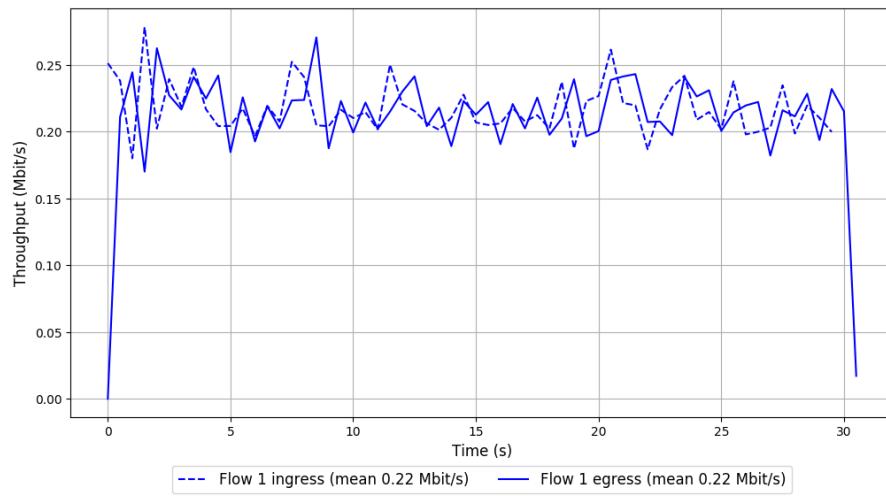


Run 4: Statistics of SCReAM

```
Start at: 2018-05-30 09:22:43
End at: 2018-05-30 09:23:13
Local clock offset: -1.071 ms
Remote clock offset: 13.43 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.212 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

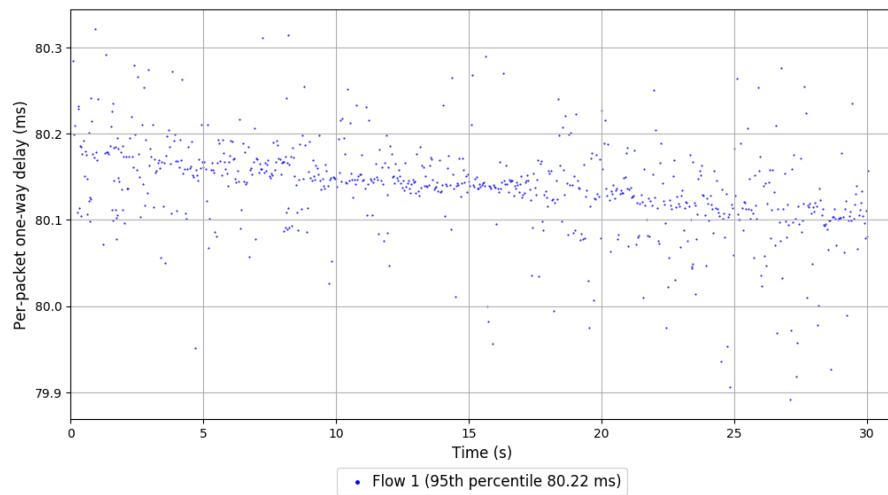
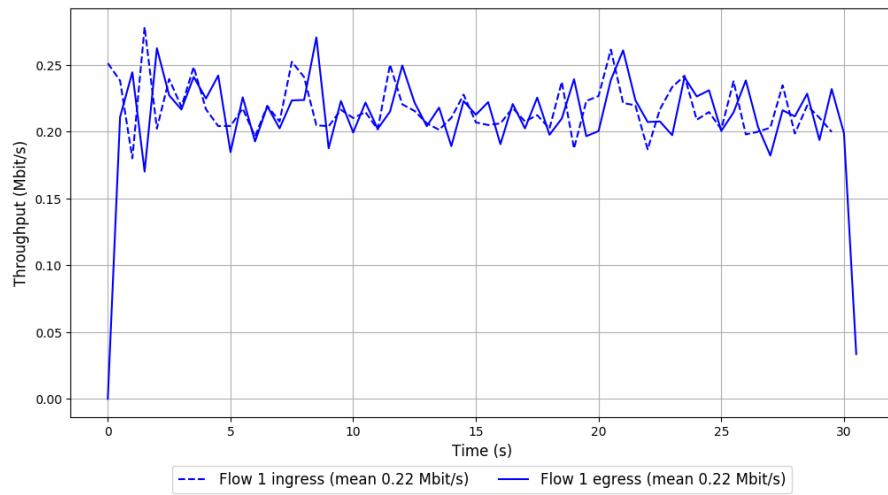


Run 5: Statistics of SCReAM

```
Start at: 2018-05-30 09:41:23
End at: 2018-05-30 09:41:53
Local clock offset: -0.484 ms
Remote clock offset: 15.843 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.220 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

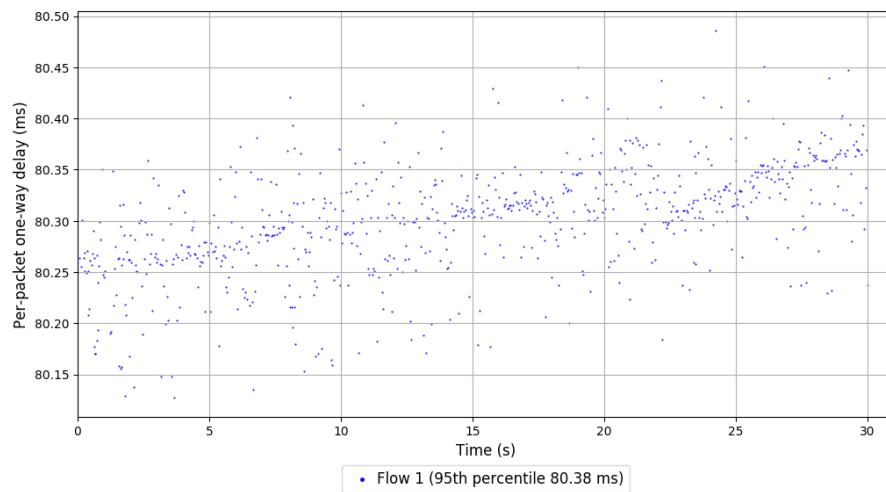
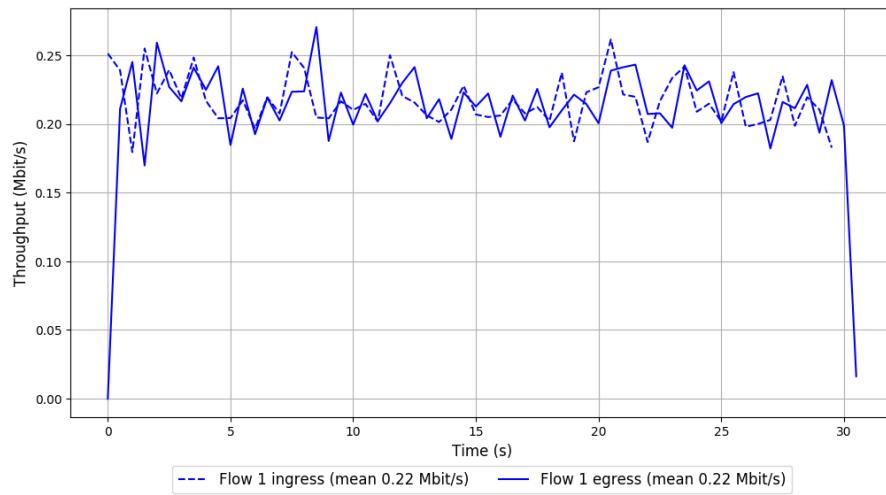


Run 6: Statistics of SCReAM

```
Start at: 2018-05-30 10:00:02
End at: 2018-05-30 10:00:32
Local clock offset: -2.427 ms
Remote clock offset: 11.215 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.379 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

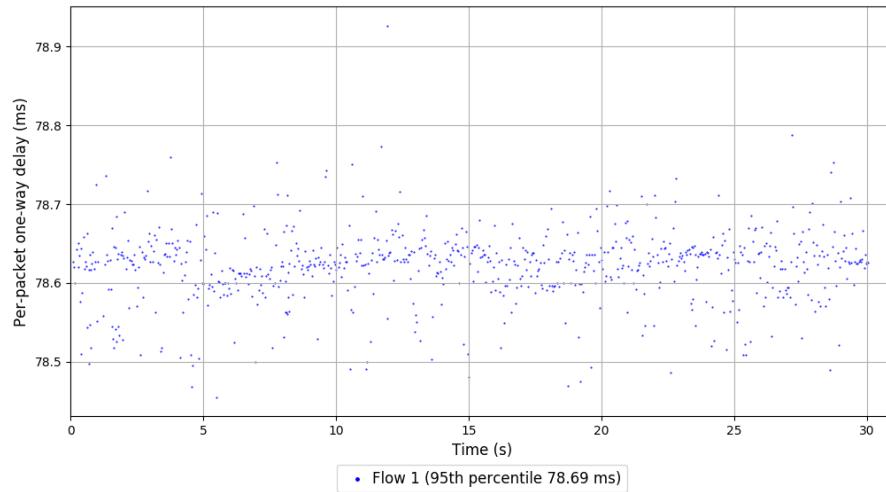
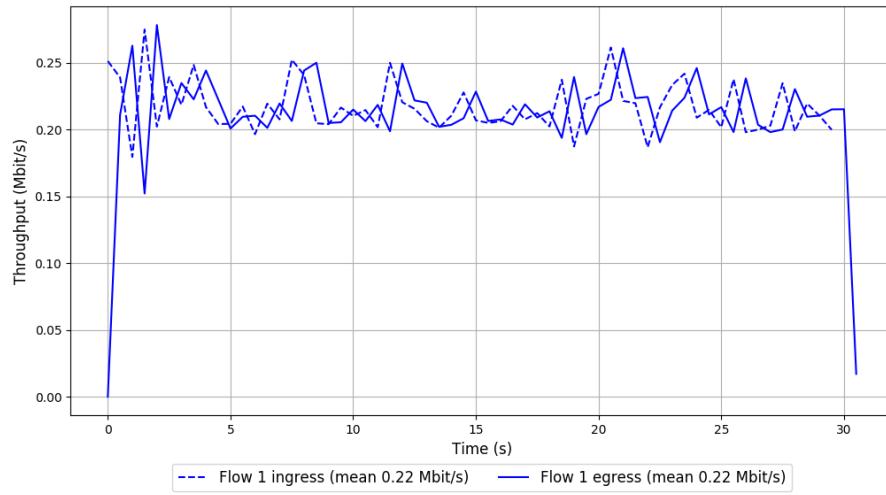


Run 7: Statistics of SCReAM

```
Start at: 2018-05-30 10:18:40
End at: 2018-05-30 10:19:10
Local clock offset: -2.671 ms
Remote clock offset: 8.128 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.690 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

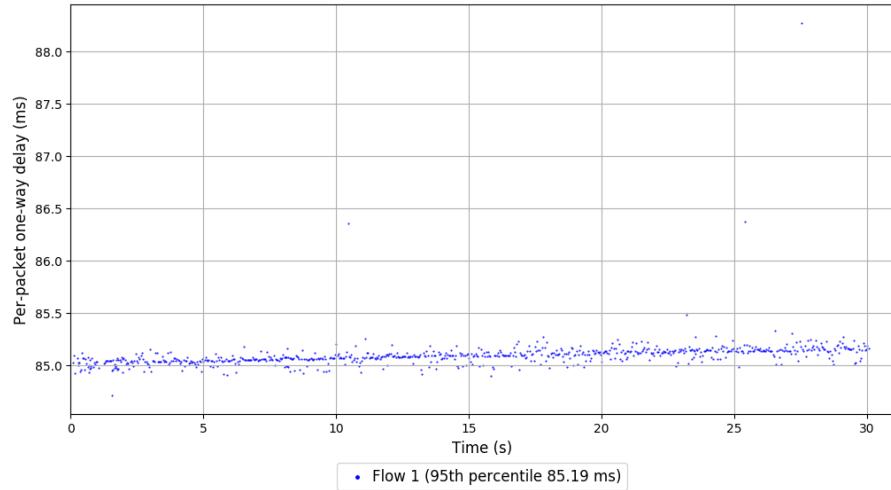
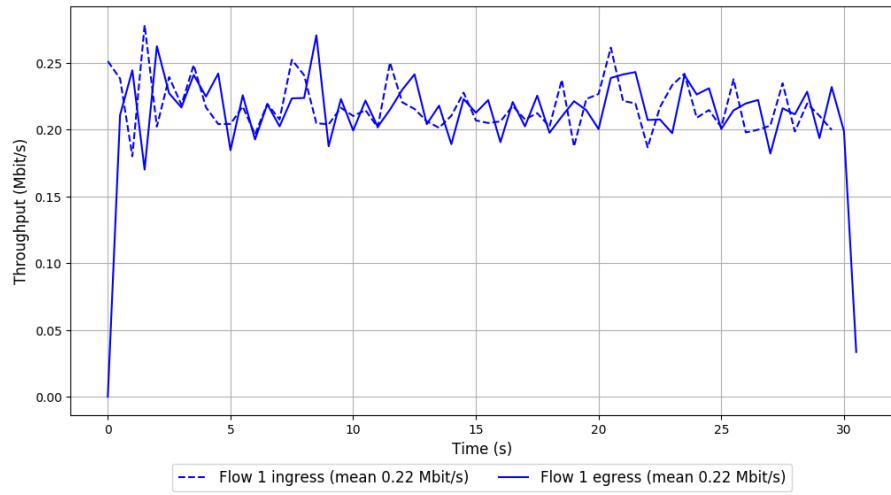


Run 8: Statistics of SCReAM

```
Start at: 2018-05-30 10:37:27
End at: 2018-05-30 10:37:57
Local clock offset: -2.936 ms
Remote clock offset: 7.328 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.194 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

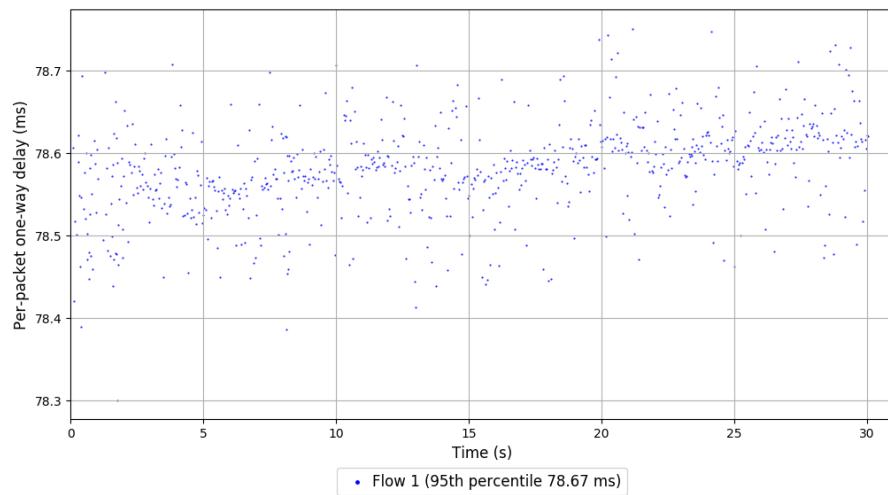
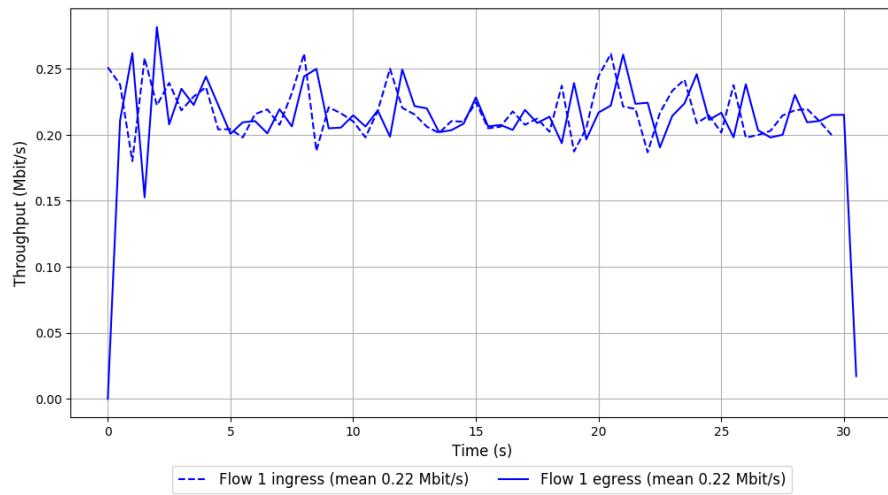


Run 9: Statistics of SCReAM

```
Start at: 2018-05-30 10:56:10
End at: 2018-05-30 10:56:40
Local clock offset: -1.439 ms
Remote clock offset: 0.652 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.666 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

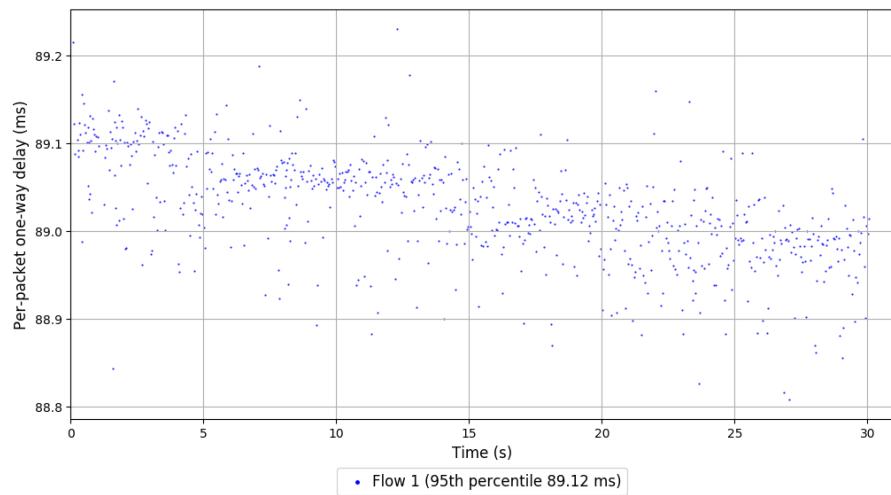
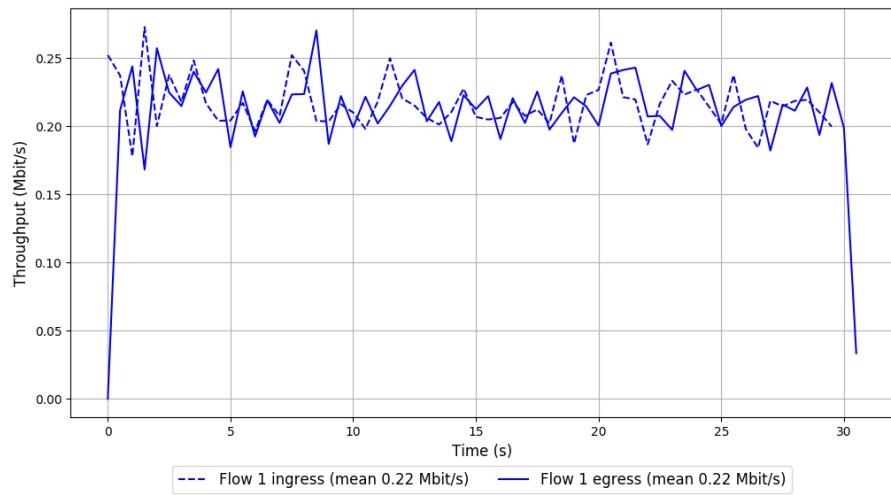


Run 10: Statistics of SCReAM

```
Start at: 2018-05-30 11:14:49
End at: 2018-05-30 11:15:19
Local clock offset: -4.513 ms
Remote clock offset: 6.384 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.117 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

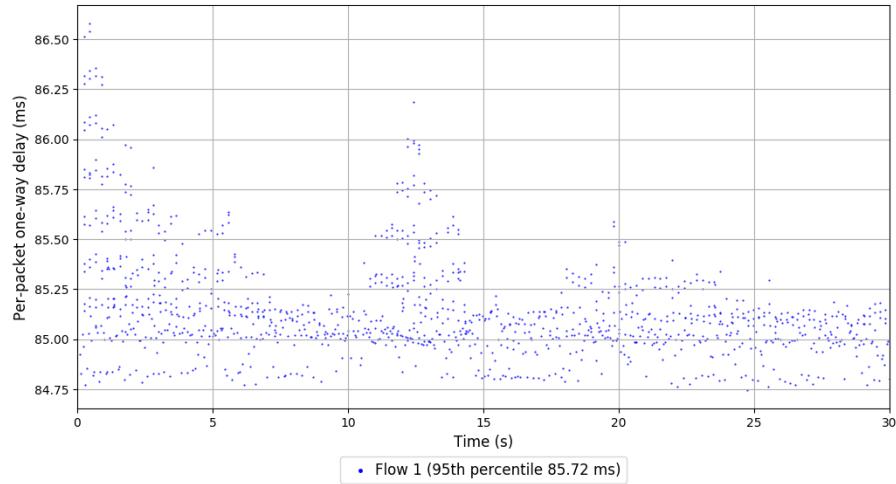
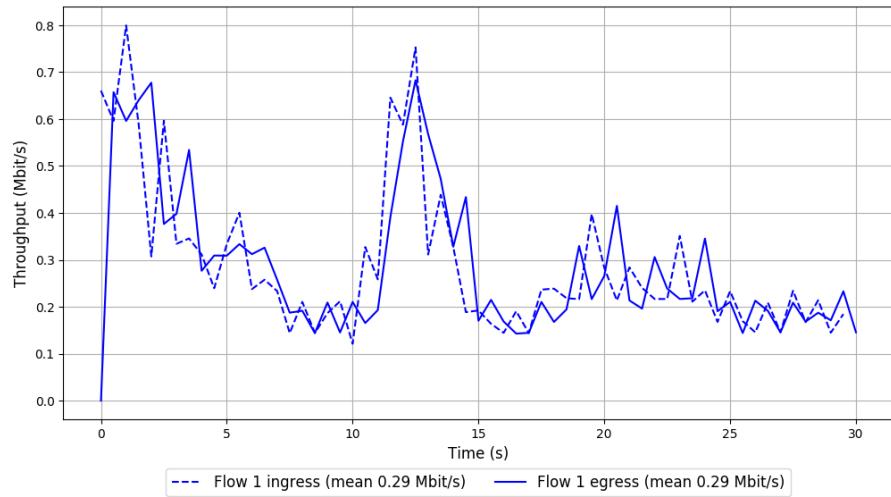


Run 1: Statistics of Sprout

```
Start at: 2018-05-30 08:37:21
End at: 2018-05-30 08:37:51
Local clock offset: 0.158 ms
Remote clock offset: 3.684 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 85.724 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 85.724 ms
Loss rate: 0.24%
```

Run 1: Report of Sprout — Data Link

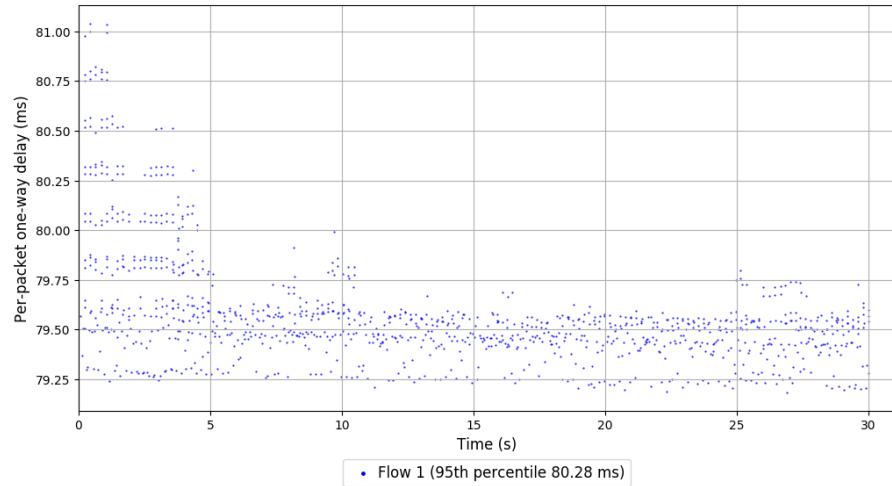
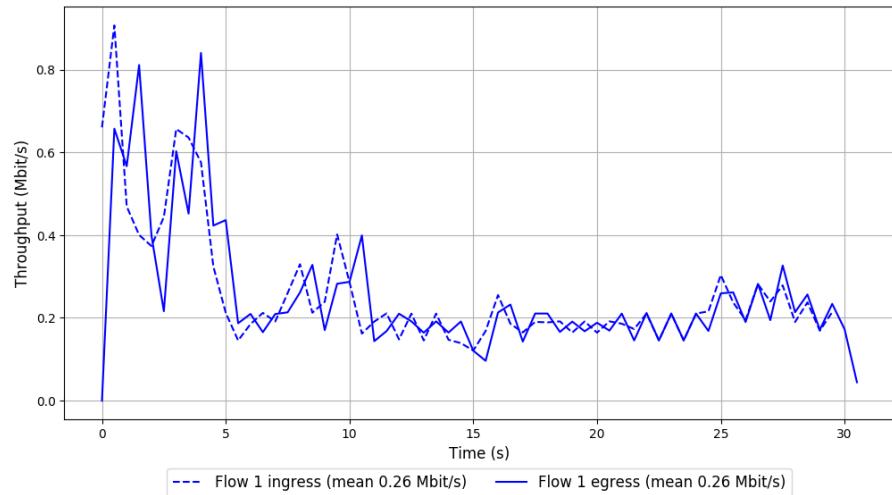


Run 2: Statistics of Sprout

```
Start at: 2018-05-30 08:56:01
End at: 2018-05-30 08:56:31
Local clock offset: -0.575 ms
Remote clock offset: 11.054 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 80.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 80.279 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

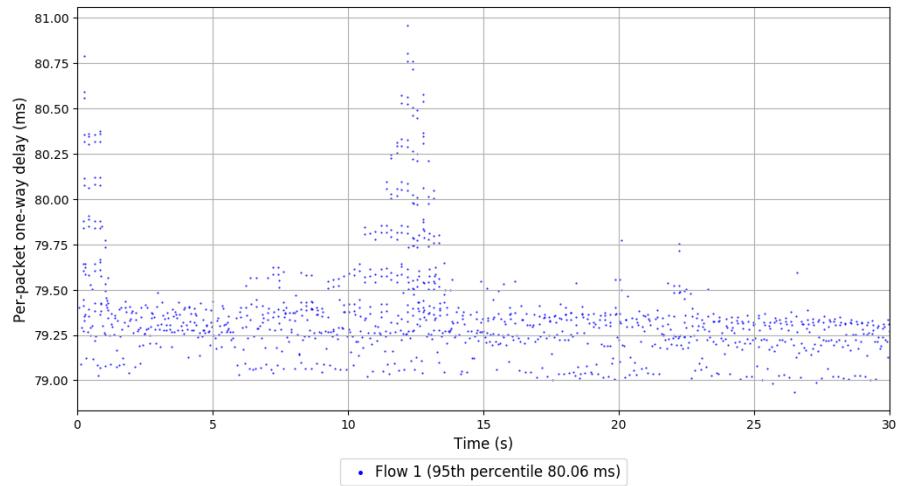
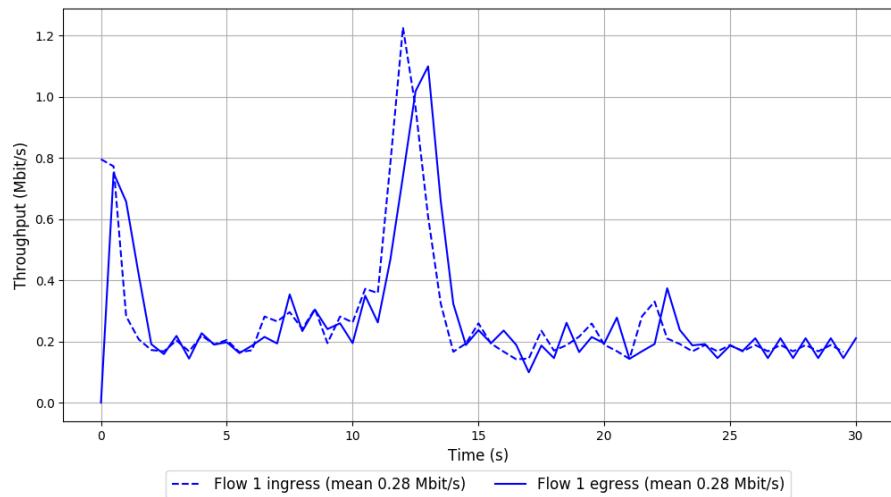


Run 3: Statistics of Sprout

```
Start at: 2018-05-30 09:14:41
End at: 2018-05-30 09:15:11
Local clock offset: -0.916 ms
Remote clock offset: 13.381 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 80.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 80.055 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

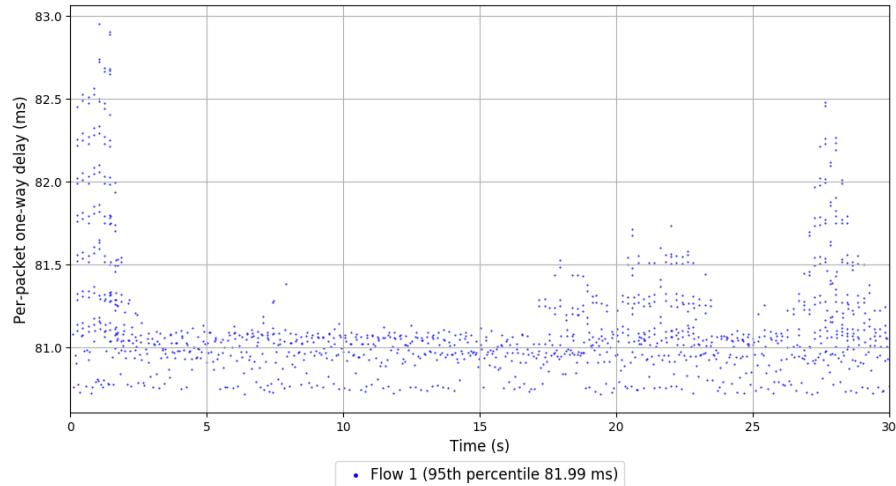
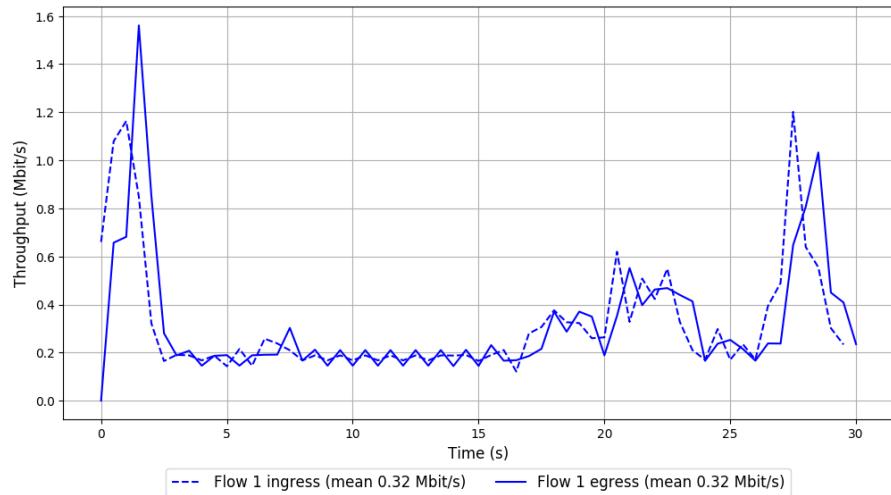


Run 4: Statistics of Sprout

```
Start at: 2018-05-30 09:33:21
End at: 2018-05-30 09:33:51
Local clock offset: -0.823 ms
Remote clock offset: 15.179 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 81.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 81.992 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

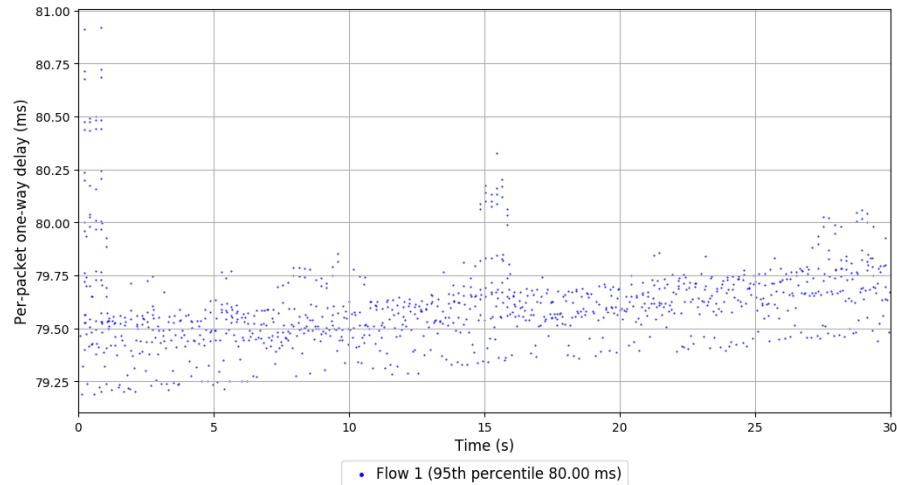
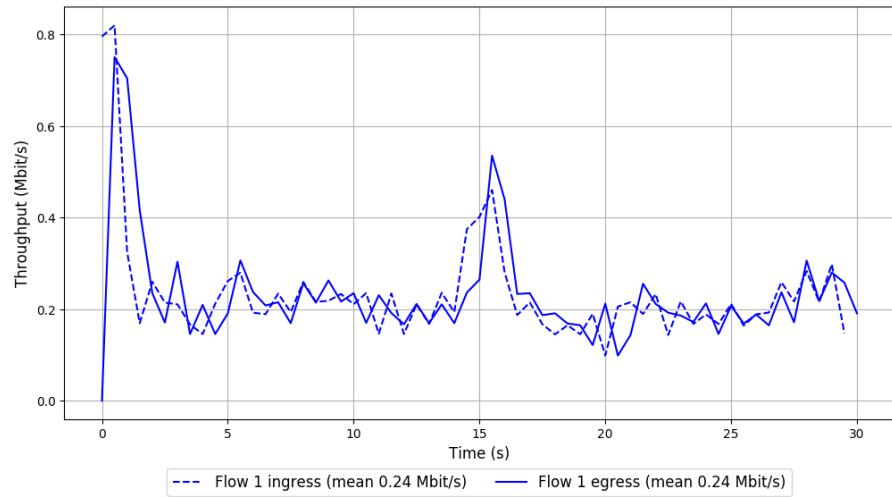


Run 5: Statistics of Sprout

```
Start at: 2018-05-30 09:52:00
End at: 2018-05-30 09:52:30
Local clock offset: -2.359 ms
Remote clock offset: 13.607 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 80.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 80.000 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

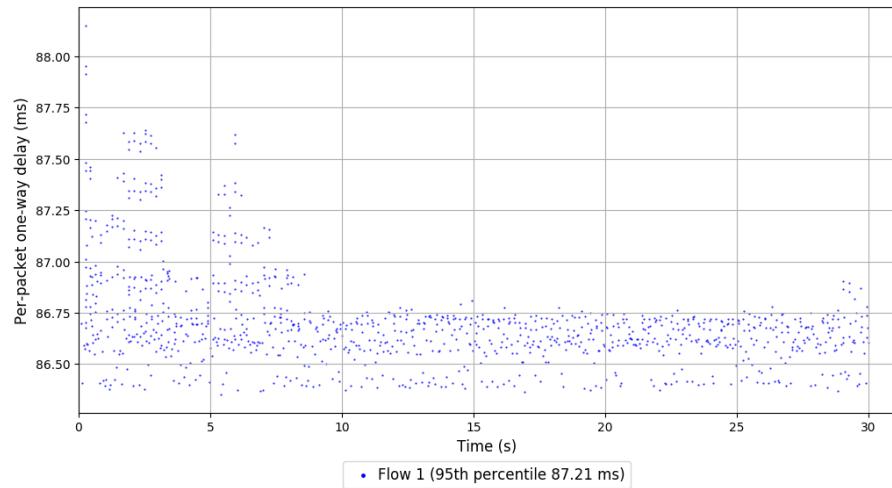
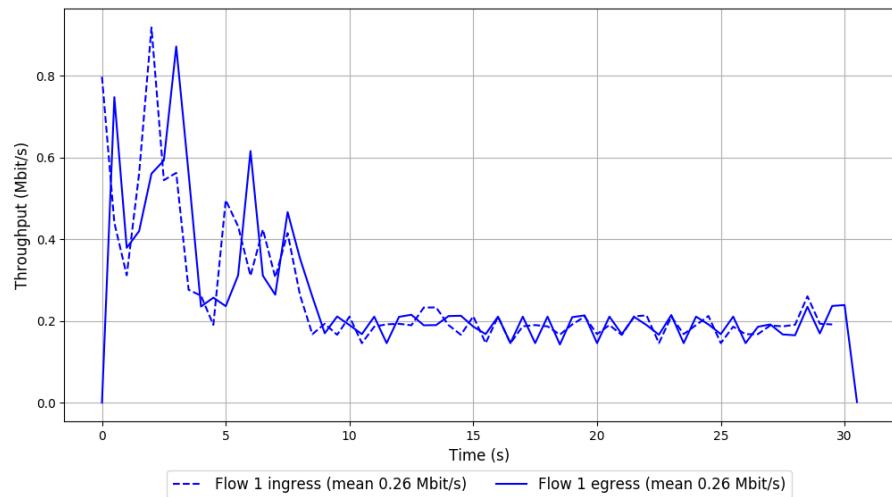


Run 6: Statistics of Sprout

```
Start at: 2018-05-30 10:10:39
End at: 2018-05-30 10:11:09
Local clock offset: -2.183 ms
Remote clock offset: 9.547 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.209 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

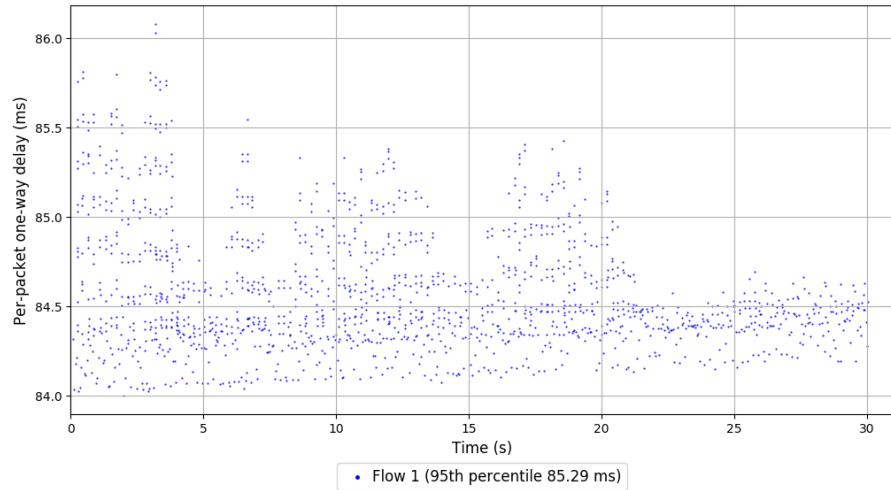
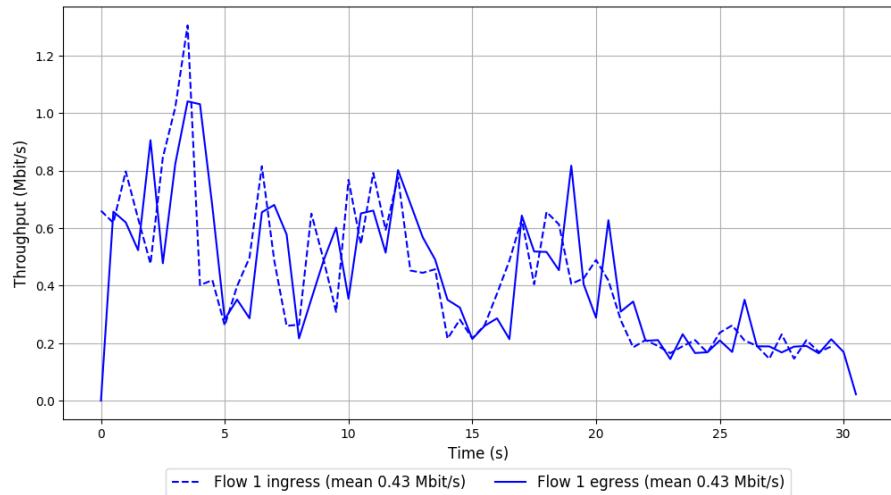


Run 7: Statistics of Sprout

```
Start at: 2018-05-30 10:29:25
End at: 2018-05-30 10:29:55
Local clock offset: -2.203 ms
Remote clock offset: 9.404 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.287 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

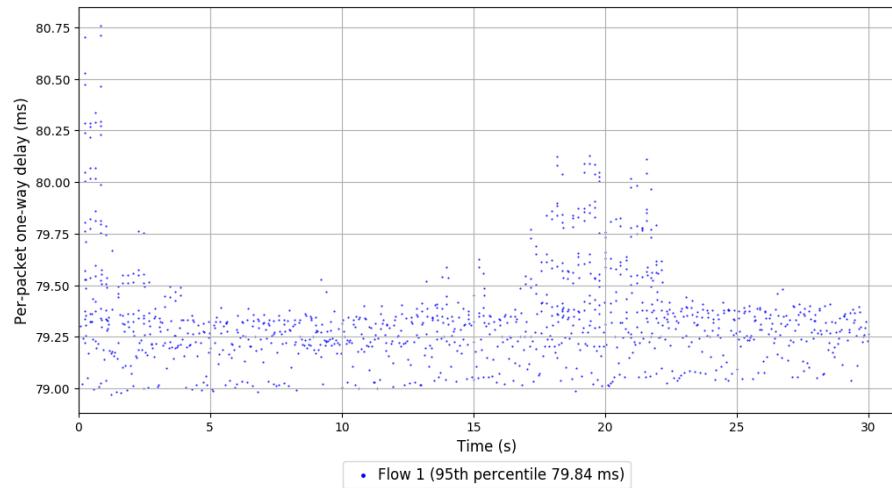
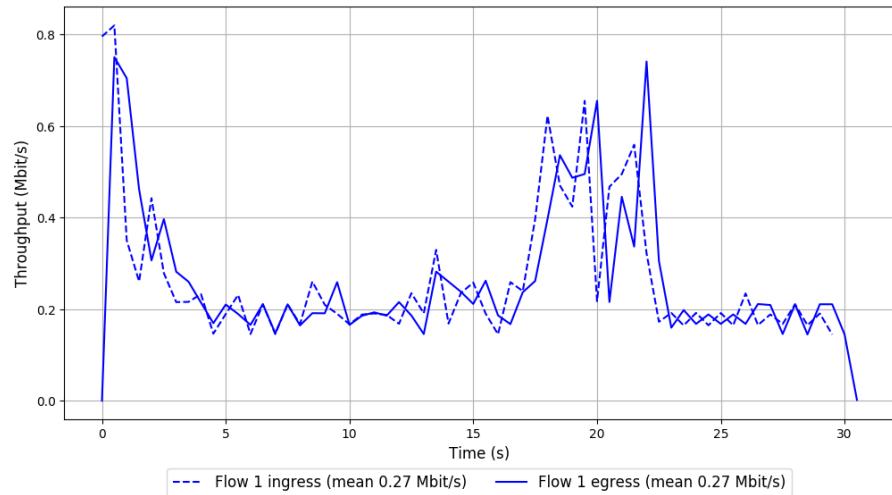


Run 8: Statistics of Sprout

```
Start at: 2018-05-30 10:48:07
End at: 2018-05-30 10:48:37
Local clock offset: -2.387 ms
Remote clock offset: 1.49 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 79.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 79.841 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

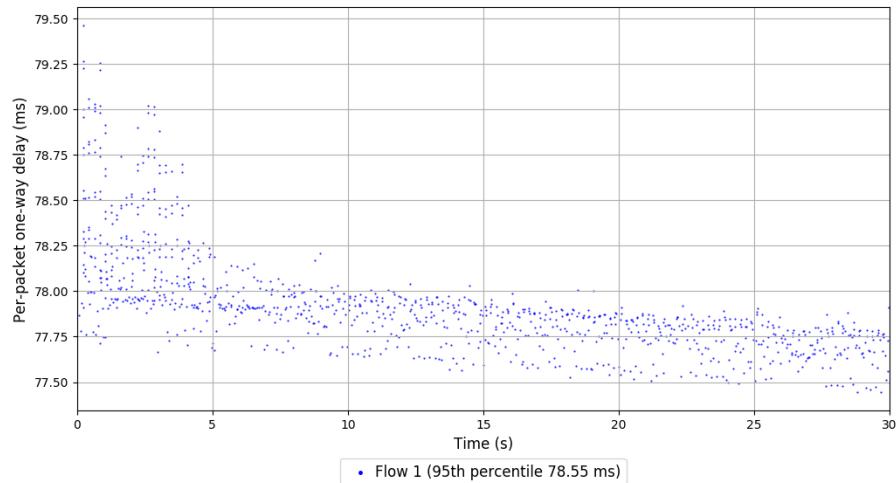
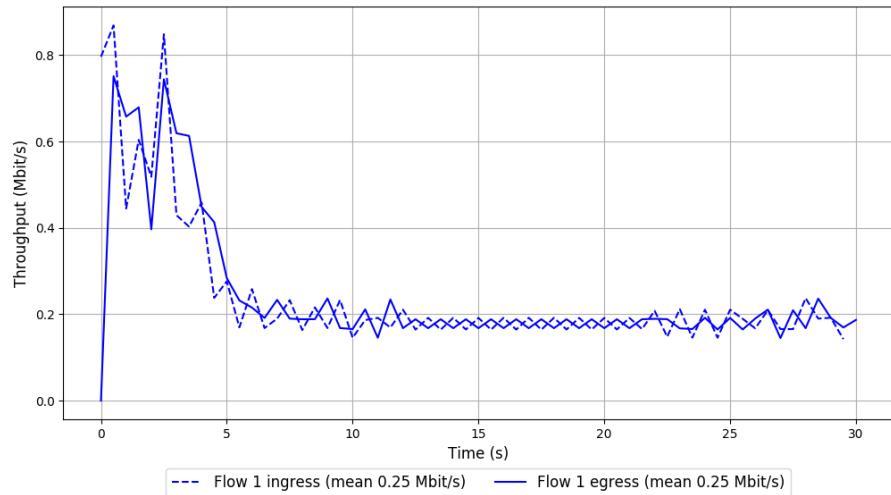


Run 9: Statistics of Sprout

```
Start at: 2018-05-30 11:06:47
End at: 2018-05-30 11:07:17
Local clock offset: -2.339 ms
Remote clock offset: 1.941 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 78.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 78.545 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

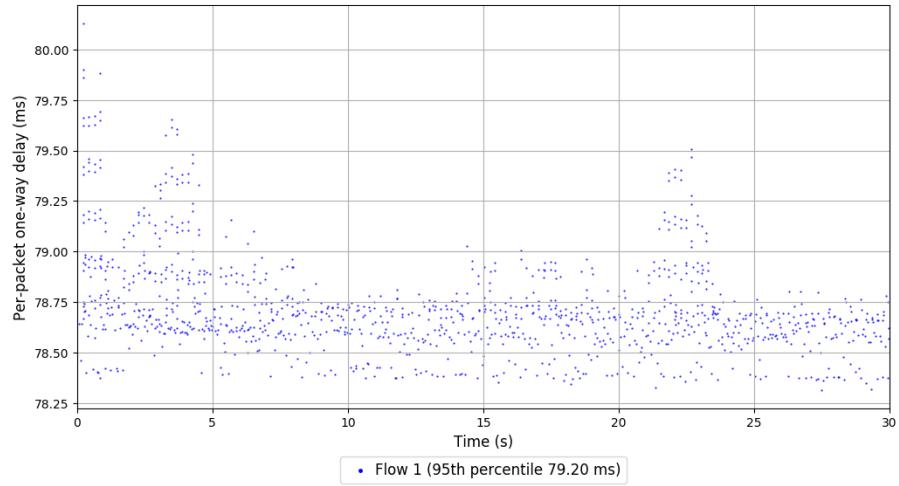
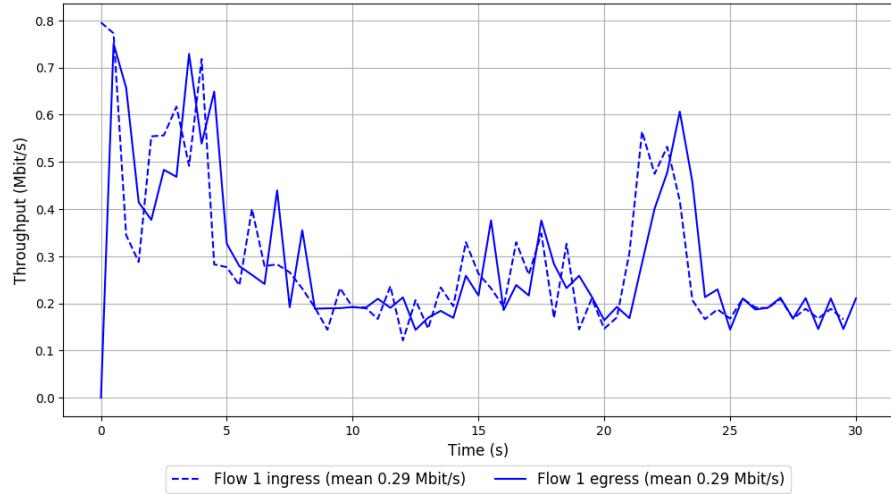


Run 10: Statistics of Sprout

```
Start at: 2018-05-30 11:25:32
End at: 2018-05-30 11:26:02
Local clock offset: -6.29 ms
Remote clock offset: 3.128 ms

# Below is generated by plot.py at 2018-05-30 11:48:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 79.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 79.196 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

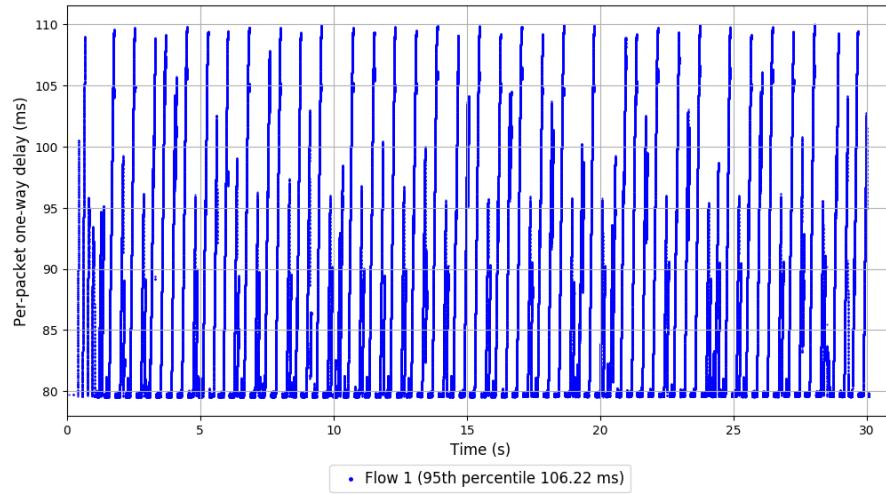
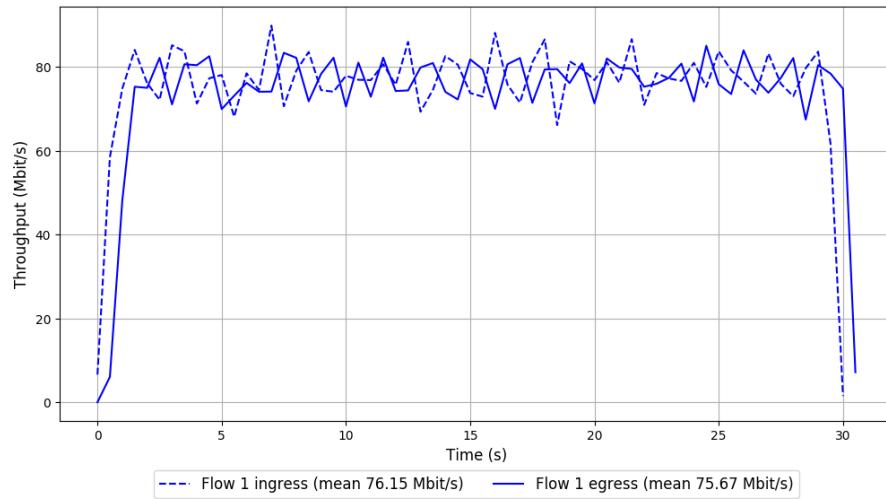


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-30 08:30:12
End at: 2018-05-30 08:30:42
Local clock offset: -0.348 ms
Remote clock offset: 3.791 ms

# Below is generated by plot.py at 2018-05-30 11:49:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 106.215 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 106.215 ms
Loss rate: 0.64%
```

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

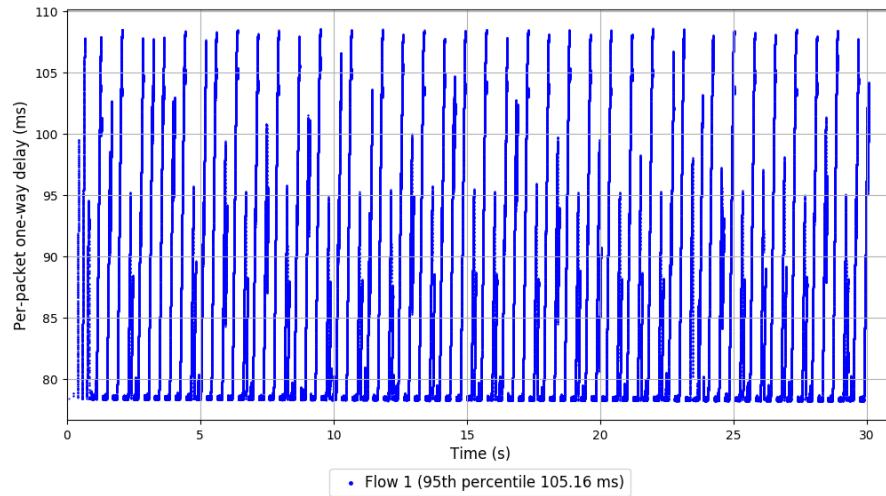
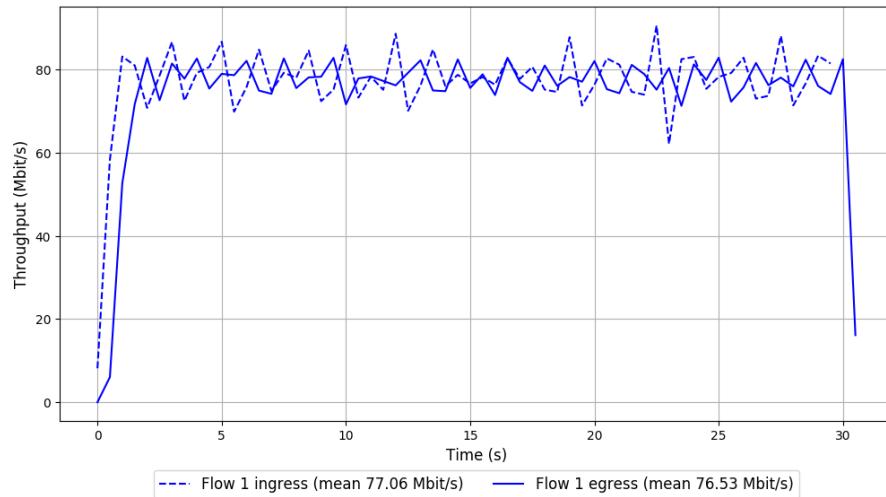


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-30 08:48:55
End at: 2018-05-30 08:49:25
Local clock offset: -0.833 ms
Remote clock offset: 8.14 ms

# Below is generated by plot.py at 2018-05-30 11:49:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.53 Mbit/s
95th percentile per-packet one-way delay: 105.161 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 76.53 Mbit/s
95th percentile per-packet one-way delay: 105.161 ms
Loss rate: 0.61%
```

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

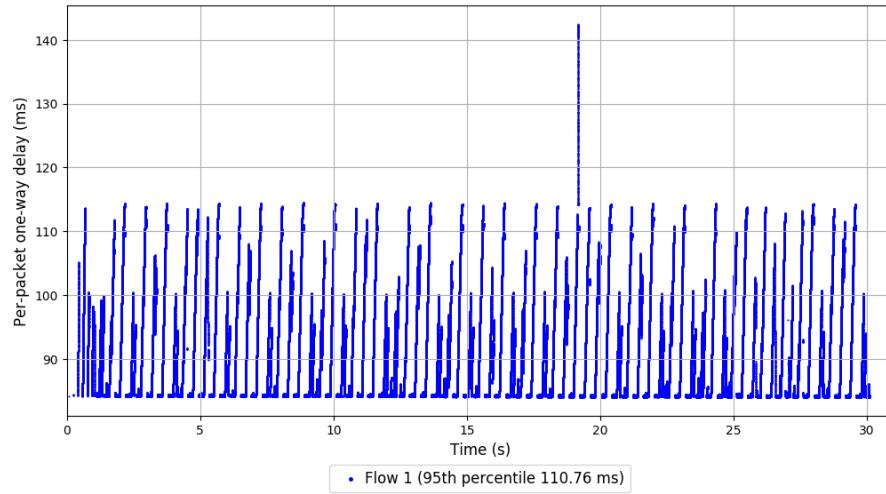
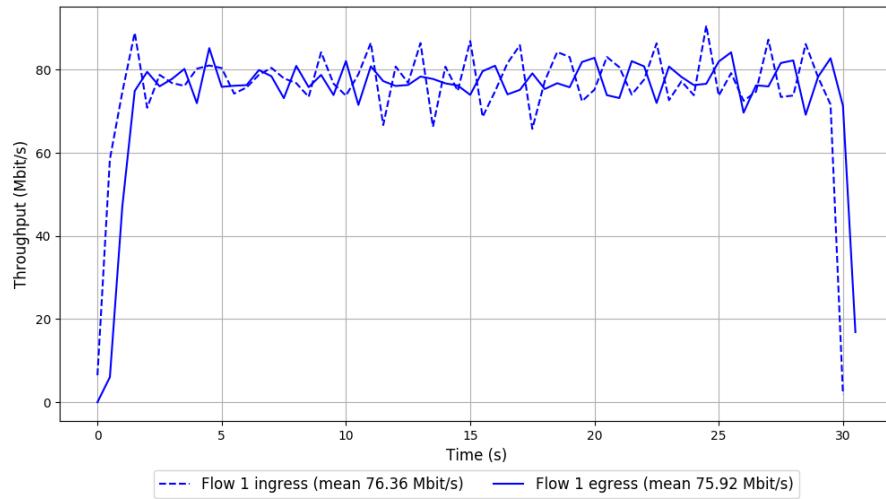


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-30 09:07:35
End at: 2018-05-30 09:08:05
Local clock offset: 0.57 ms
Remote clock offset: 16.735 ms

# Below is generated by plot.py at 2018-05-30 11:49:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.92 Mbit/s
95th percentile per-packet one-way delay: 110.758 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 75.92 Mbit/s
95th percentile per-packet one-way delay: 110.758 ms
Loss rate: 0.57%
```

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

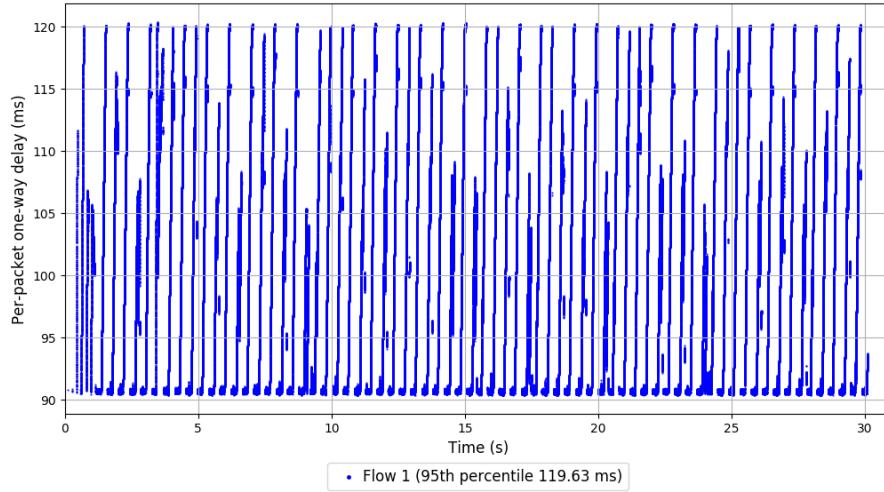
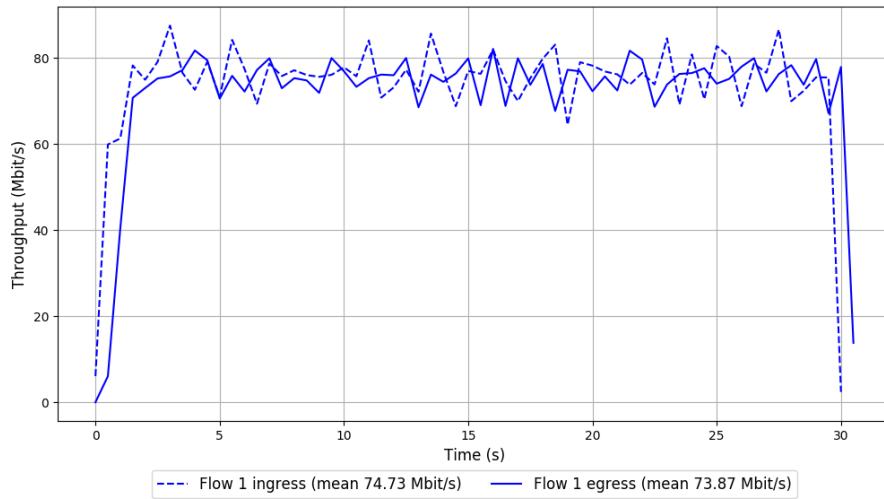


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-30 09:26:14
End at: 2018-05-30 09:26:44
Local clock offset: -0.969 ms
Remote clock offset: 18.532 ms

# Below is generated by plot.py at 2018-05-30 11:49:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 119.632 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 119.632 ms
Loss rate: 1.16%
```

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

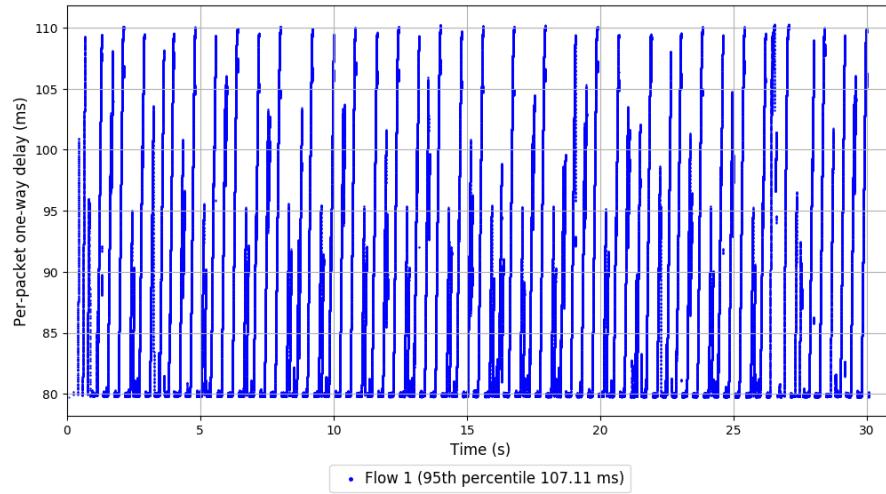
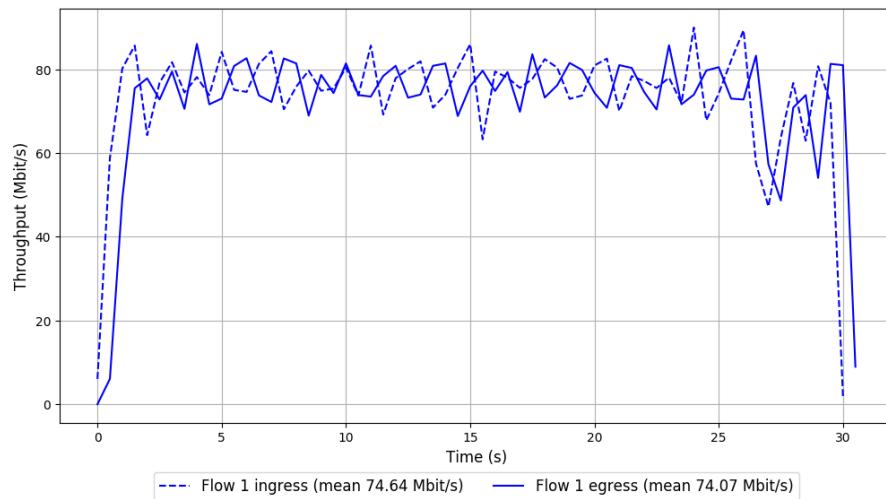


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-30 09:44:54
End at: 2018-05-30 09:45:24
Local clock offset: -0.738 ms
Remote clock offset: 15.343 ms

# Below is generated by plot.py at 2018-05-30 11:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 107.107 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 107.107 ms
Loss rate: 0.76%
```

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

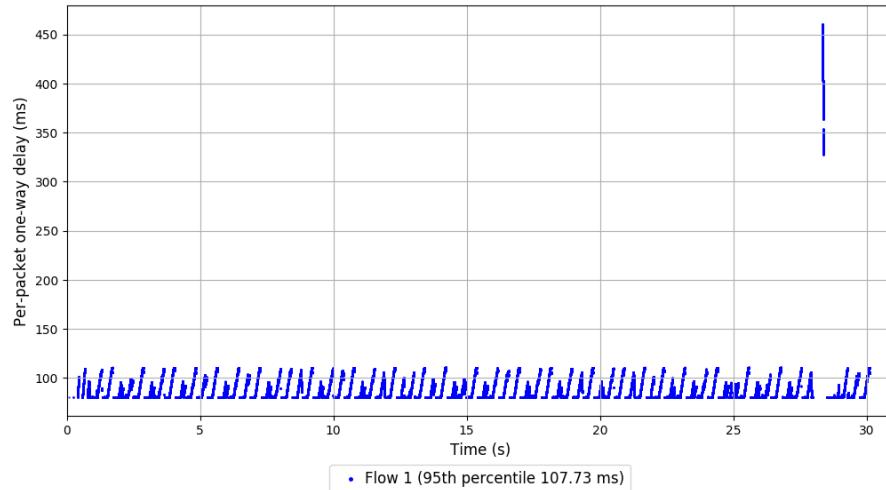
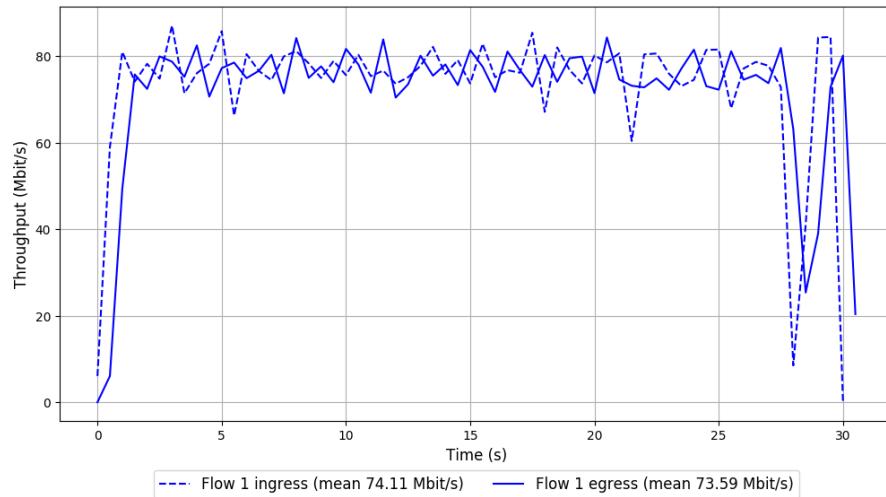


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-30 10:03:33
End at: 2018-05-30 10:04:03
Local clock offset: -1.56 ms
Remote clock offset: 9.644 ms

# Below is generated by plot.py at 2018-05-30 11:49:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 107.732 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 107.732 ms
Loss rate: 0.61%
```

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

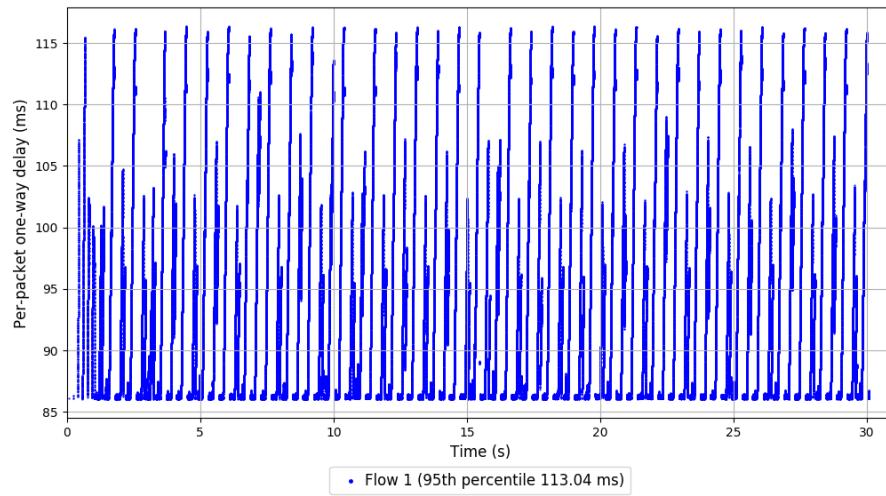
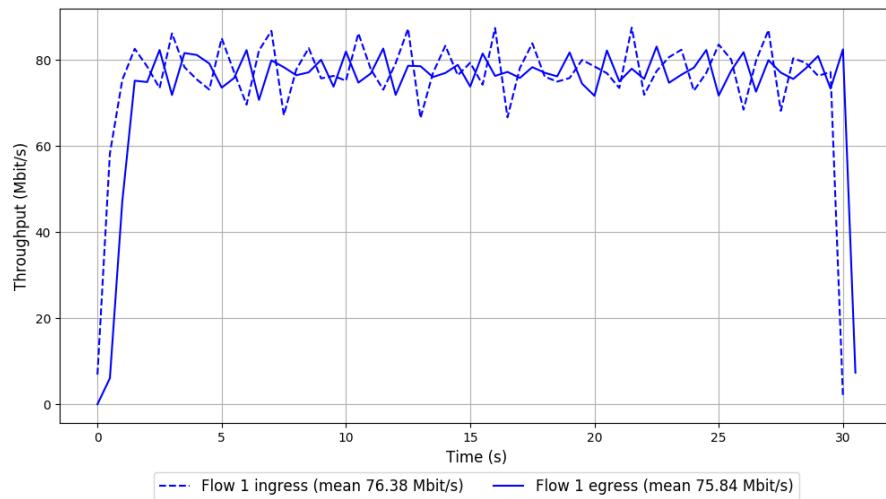


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-30 10:22:12
End at: 2018-05-30 10:22:42
Local clock offset: -2.876 ms
Remote clock offset: 13.791 ms

# Below is generated by plot.py at 2018-05-30 11:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.84 Mbit/s
95th percentile per-packet one-way delay: 113.043 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 75.84 Mbit/s
95th percentile per-packet one-way delay: 113.043 ms
Loss rate: 0.77%
```

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

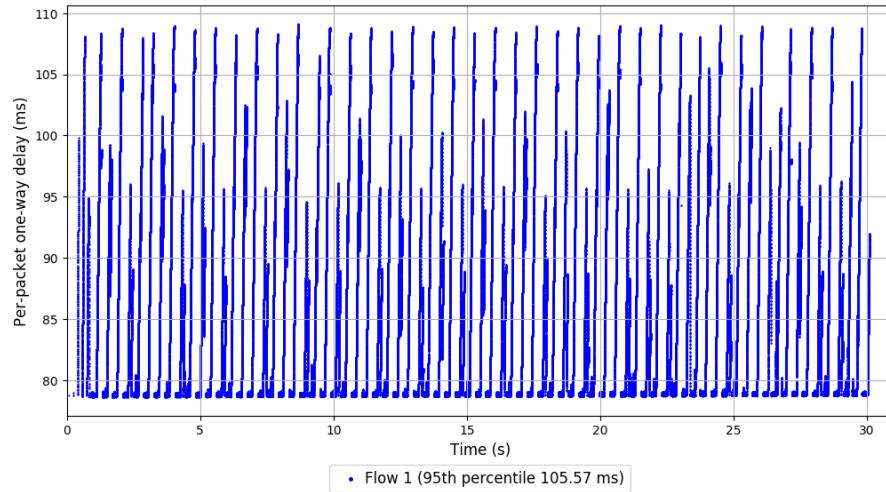
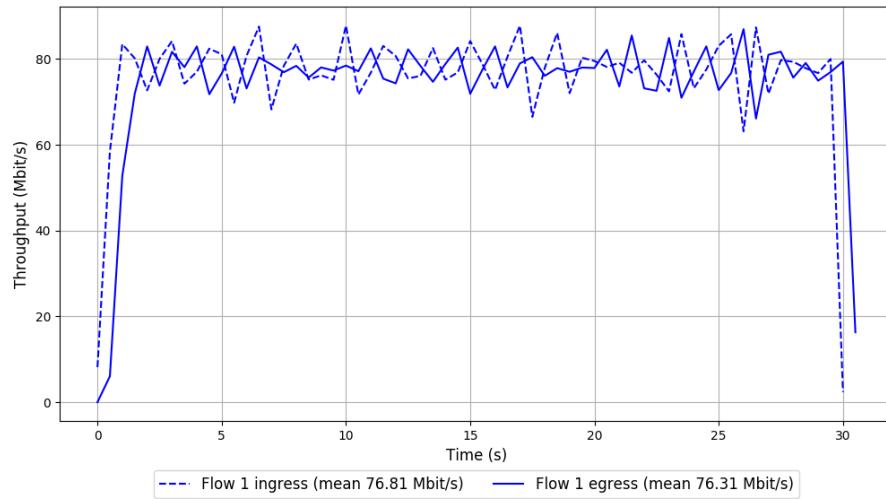


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-30 10:40:59
End at: 2018-05-30 10:41:29
Local clock offset: -2.76 ms
Remote clock offset: 1.823 ms

# Below is generated by plot.py at 2018-05-30 11:50:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 105.569 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 105.569 ms
Loss rate: 0.61%
```

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

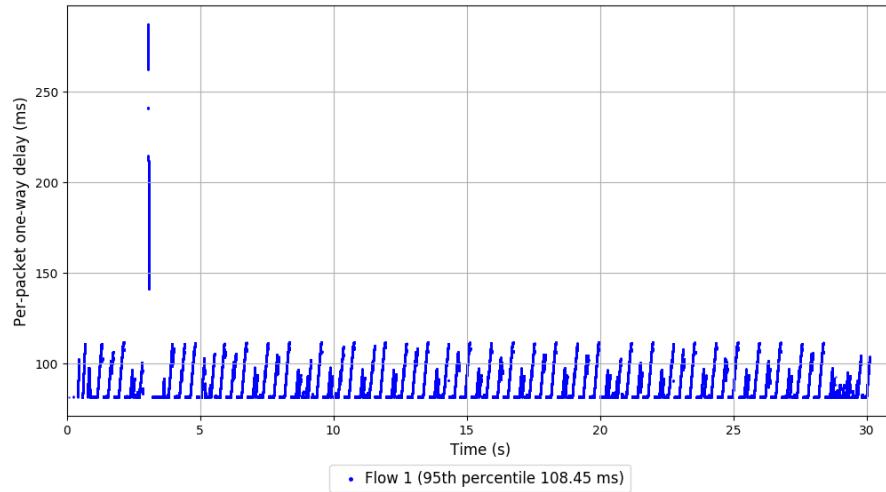
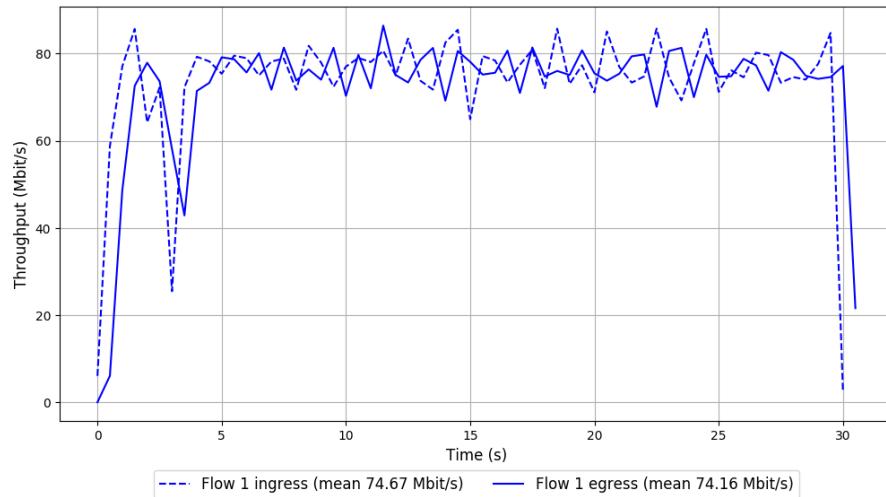


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-30 10:59:41
End at: 2018-05-30 11:00:11
Local clock offset: -2.17 ms
Remote clock offset: 1.296 ms

# Below is generated by plot.py at 2018-05-30 11:51:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 108.455 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 108.455 ms
Loss rate: 0.61%
```

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

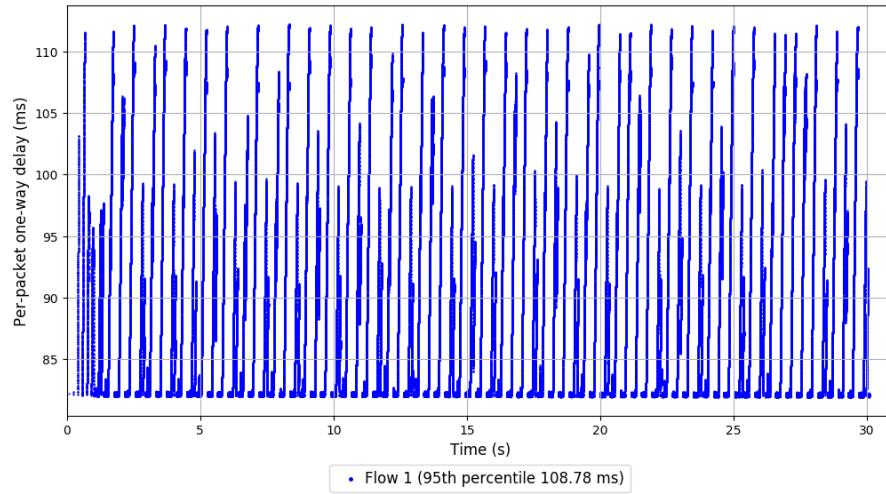
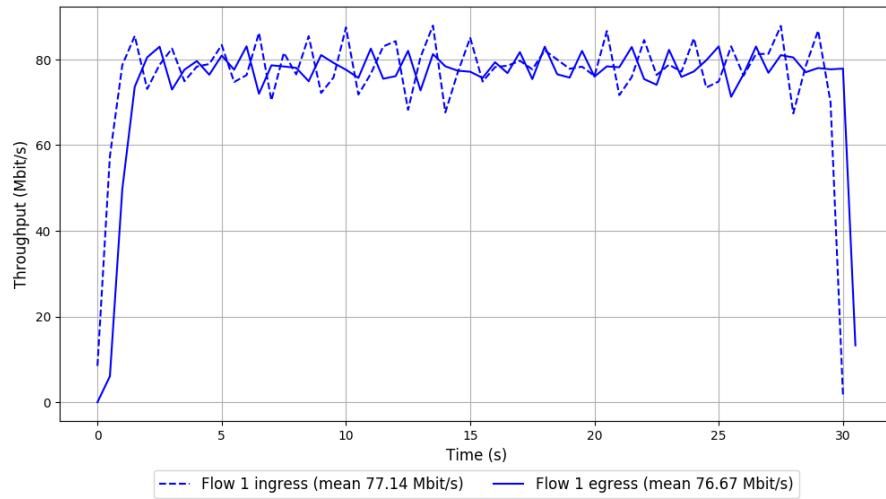


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-30 11:18:20
End at: 2018-05-30 11:18:50
Local clock offset: -6.023 ms
Remote clock offset: 6.419 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.67 Mbit/s
95th percentile per-packet one-way delay: 108.778 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 76.67 Mbit/s
95th percentile per-packet one-way delay: 108.778 ms
Loss rate: 0.61%
```

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

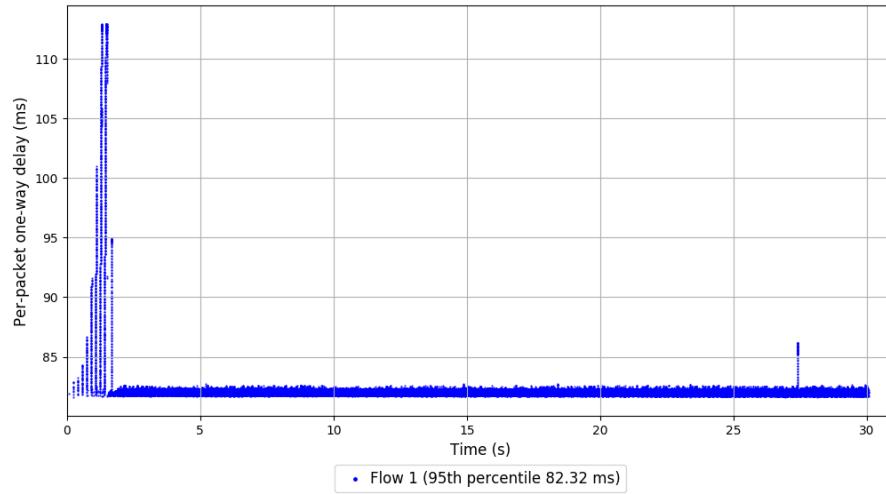
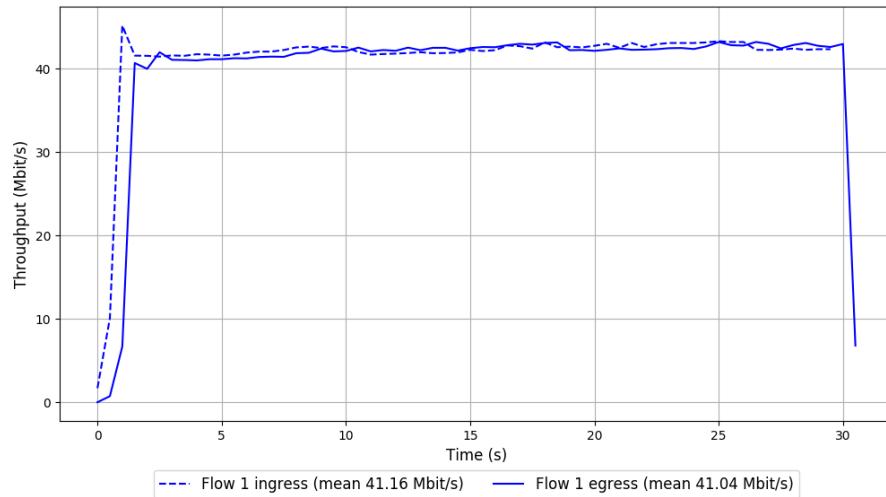


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-30 08:36:12
End at: 2018-05-30 08:36:42
Local clock offset: 0.15 ms
Remote clock offset: 7.531 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 82.324 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 82.324 ms
Loss rate: 0.29%
```

Run 1: Report of TCP Vegas — Data Link

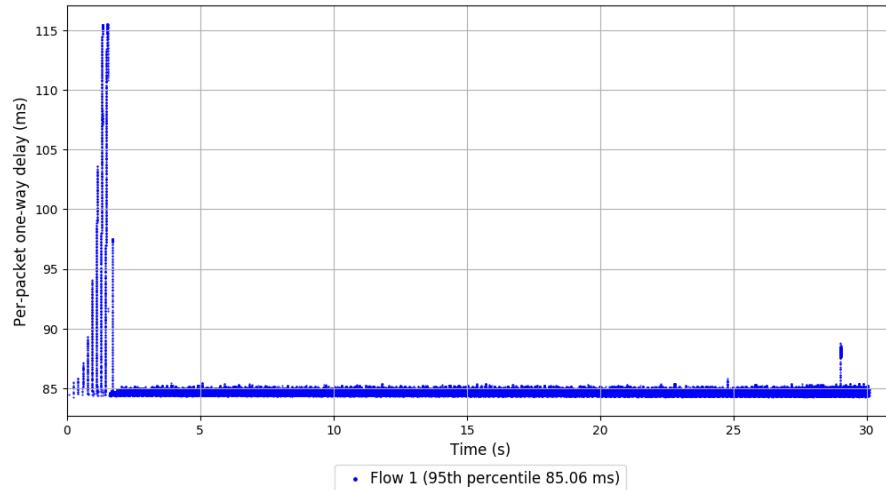
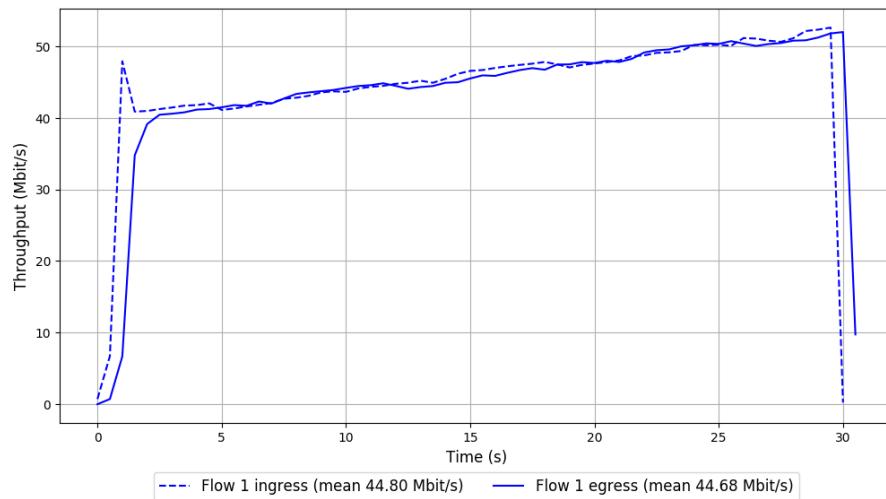


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-30 08:54:52
End at: 2018-05-30 08:55:22
Local clock offset: 0.143 ms
Remote clock offset: 10.654 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 85.059 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 85.059 ms
Loss rate: 0.27%
```

Run 2: Report of TCP Vegas — Data Link

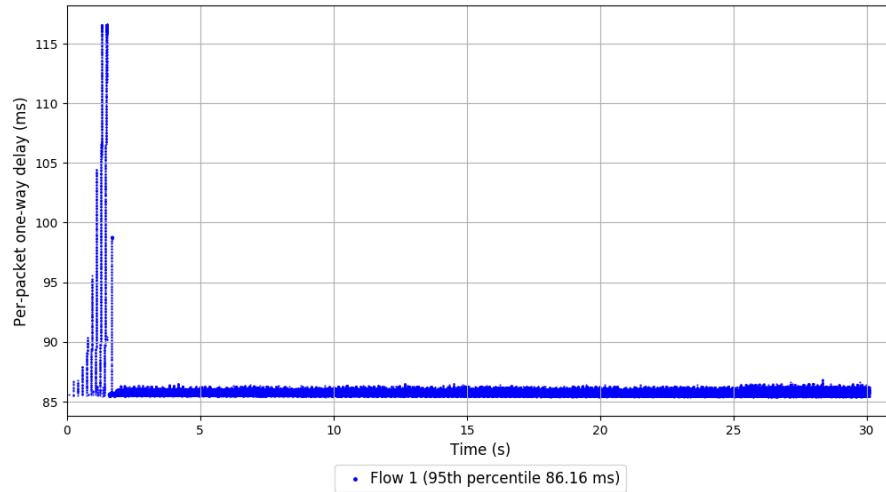
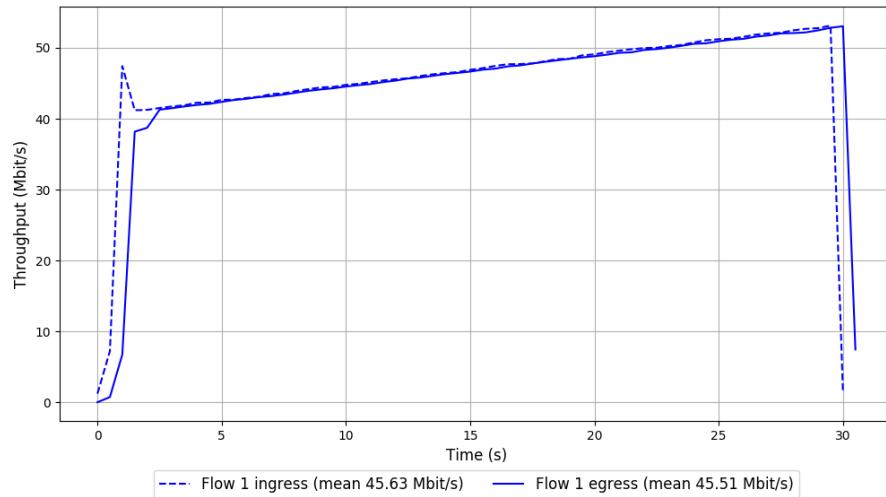


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-30 09:13:32
End at: 2018-05-30 09:14:02
Local clock offset: -1.593 ms
Remote clock offset: 17.213 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 86.163 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 86.163 ms
Loss rate: 0.27%
```

Run 3: Report of TCP Vegas — Data Link

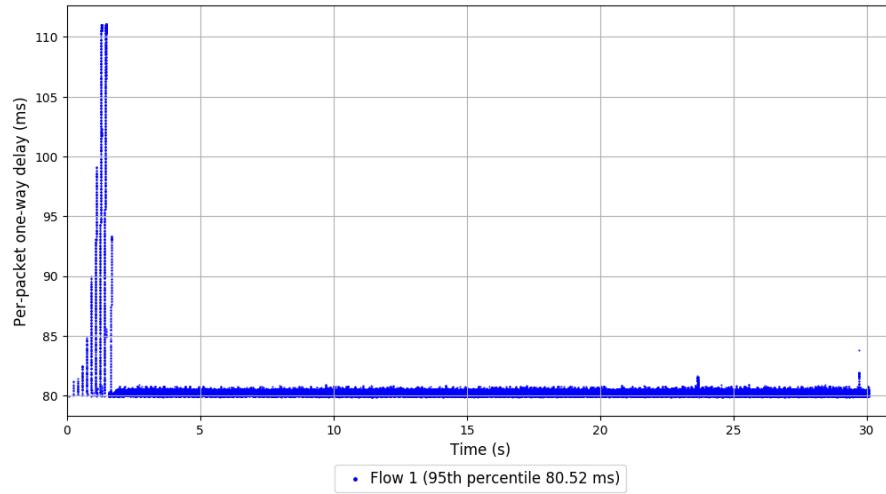
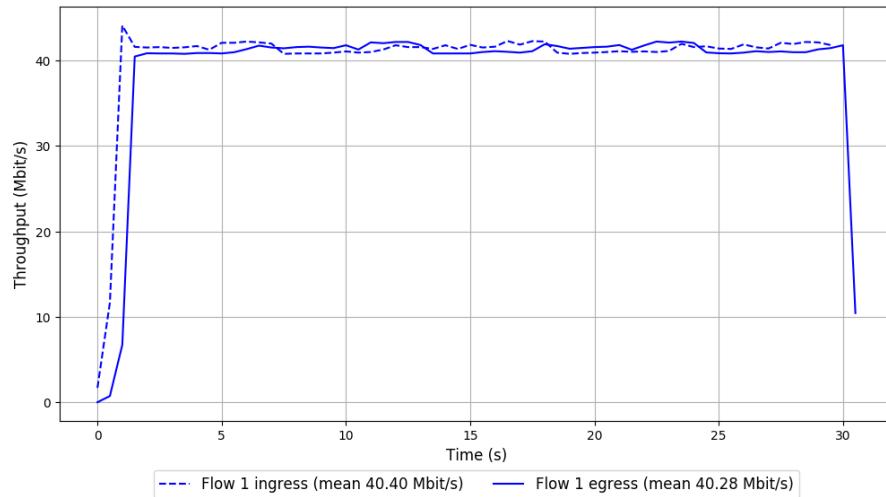


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-30 09:32:12
End at: 2018-05-30 09:32:42
Local clock offset: -0.853 ms
Remote clock offset: 14.2 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 80.516 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 80.516 ms
Loss rate: 0.30%
```

Run 4: Report of TCP Vegas — Data Link

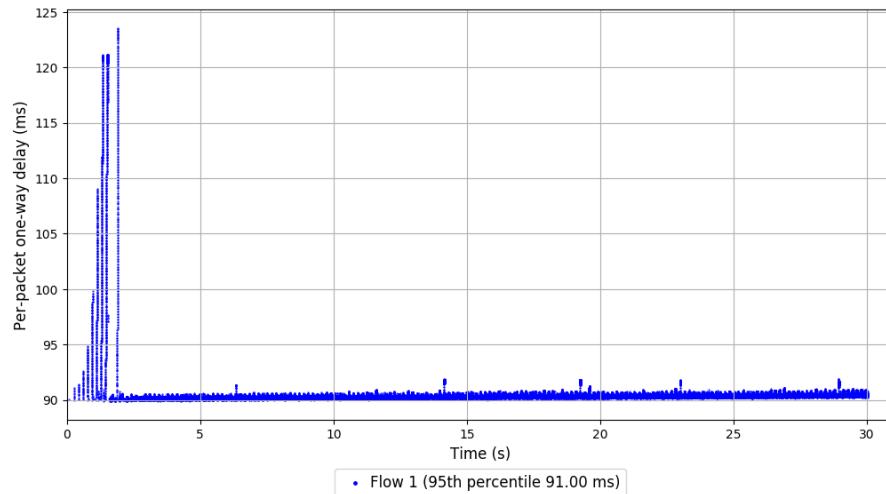
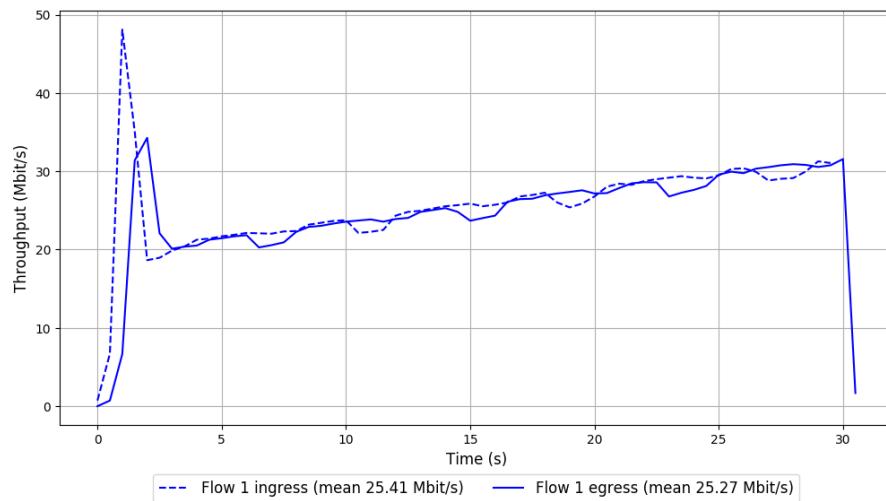


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-30 09:50:52
End at: 2018-05-30 09:51:22
Local clock offset: -0.804 ms
Remote clock offset: 19.05 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 91.004 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 91.004 ms
Loss rate: 0.70%
```

Run 5: Report of TCP Vegas — Data Link

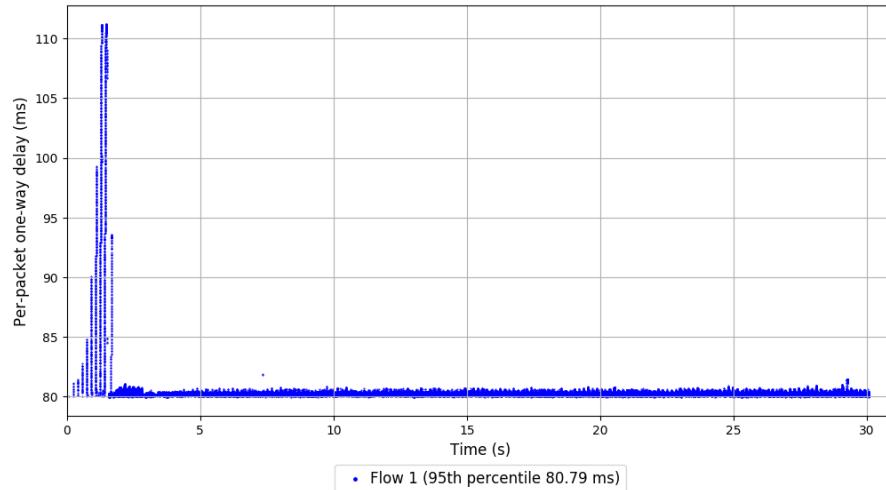
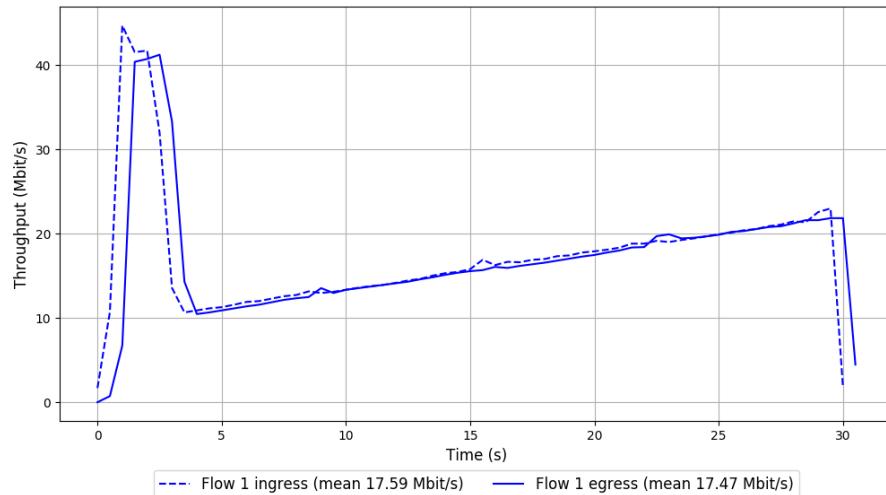


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-30 10:09:31
End at: 2018-05-30 10:10:01
Local clock offset: -1.99 ms
Remote clock offset: 9.624 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.47 Mbit/s
95th percentile per-packet one-way delay: 80.790 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 17.47 Mbit/s
95th percentile per-packet one-way delay: 80.790 ms
Loss rate: 0.71%
```

Run 6: Report of TCP Vegas — Data Link

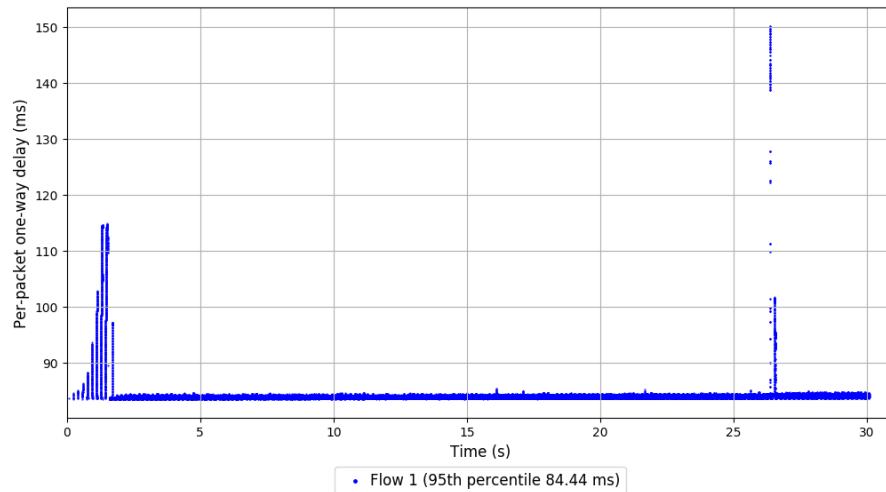
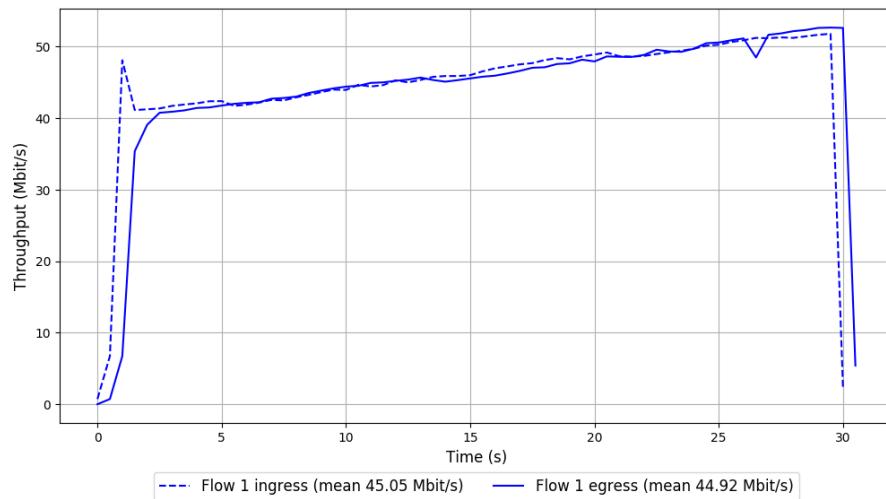


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-30 10:28:16
End at: 2018-05-30 10:28:46
Local clock offset: -2.167 ms
Remote clock offset: 5.187 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 84.444 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 84.444 ms
Loss rate: 0.31%
```

Run 7: Report of TCP Vegas — Data Link

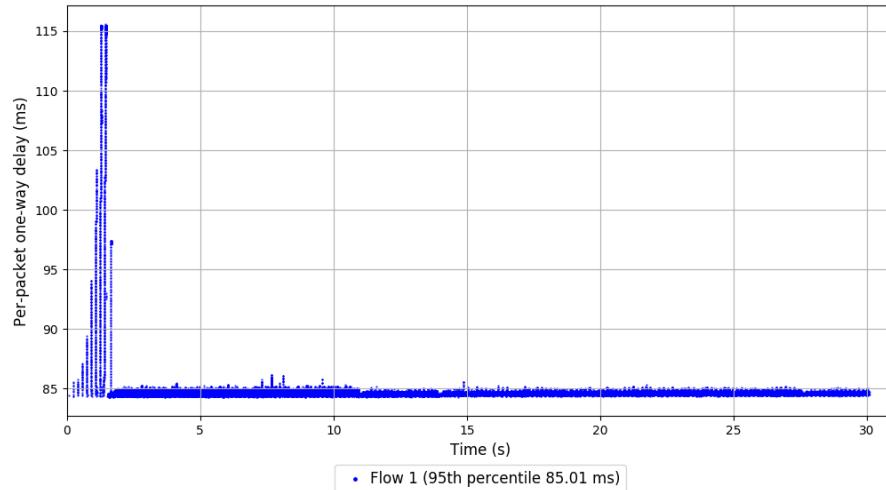
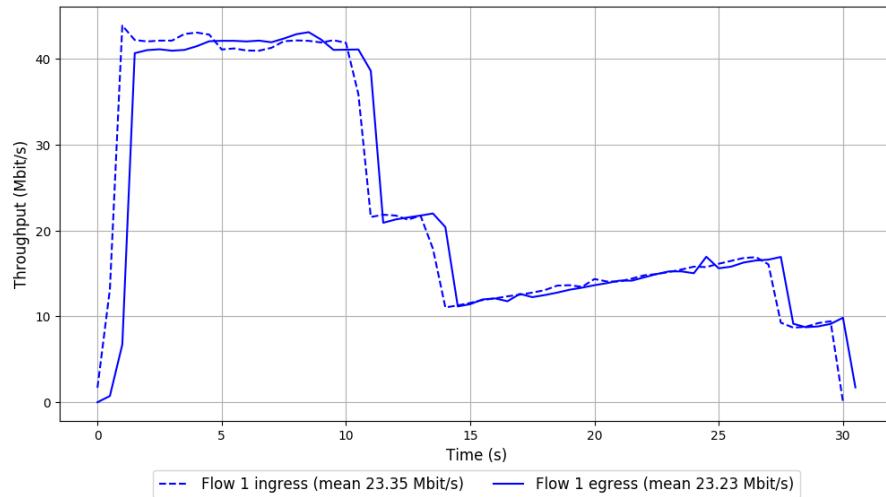


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-30 10:46:59
End at: 2018-05-30 10:47:29
Local clock offset: -3.21 ms
Remote clock offset: 5.851 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 85.014 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 85.014 ms
Loss rate: 0.52%
```

Run 8: Report of TCP Vegas — Data Link

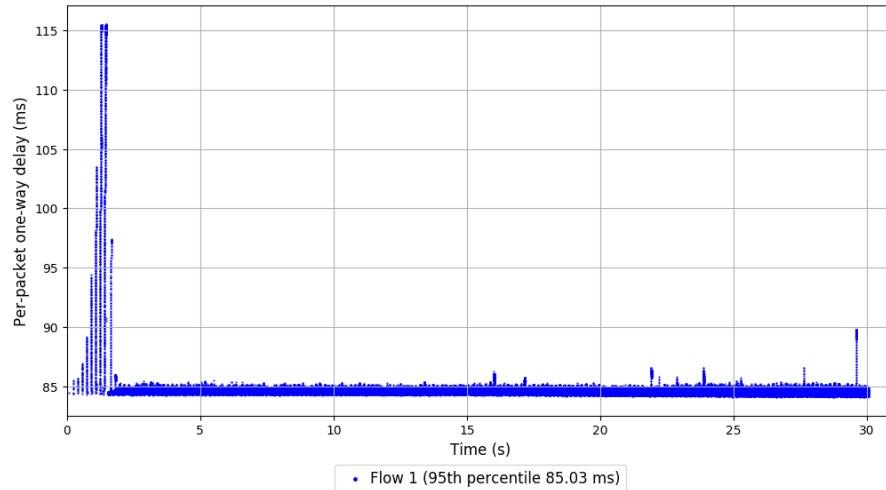
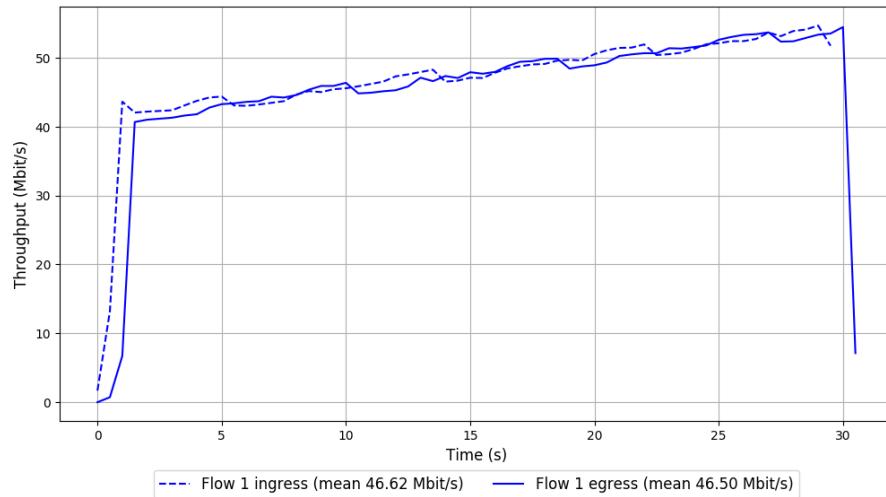


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-30 11:05:38
End at: 2018-05-30 11:06:08
Local clock offset: -2.942 ms
Remote clock offset: 6.753 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 85.034 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 85.034 ms
Loss rate: 0.26%
```

Run 9: Report of TCP Vegas — Data Link

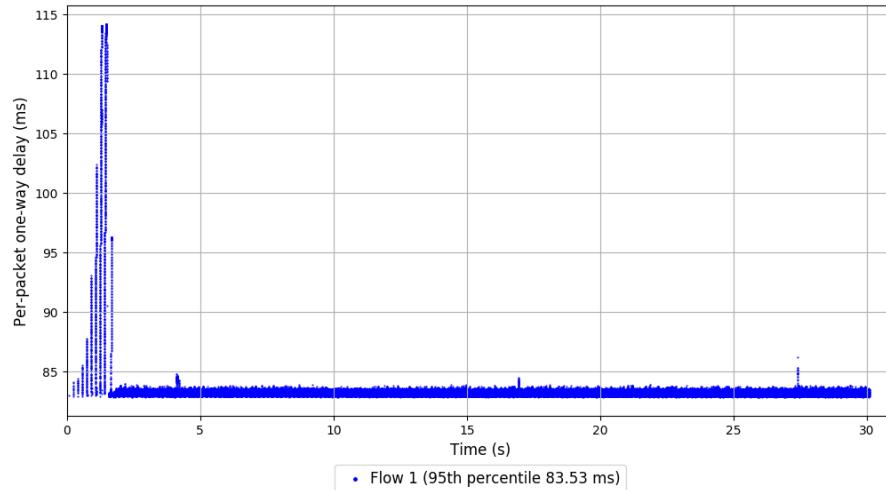
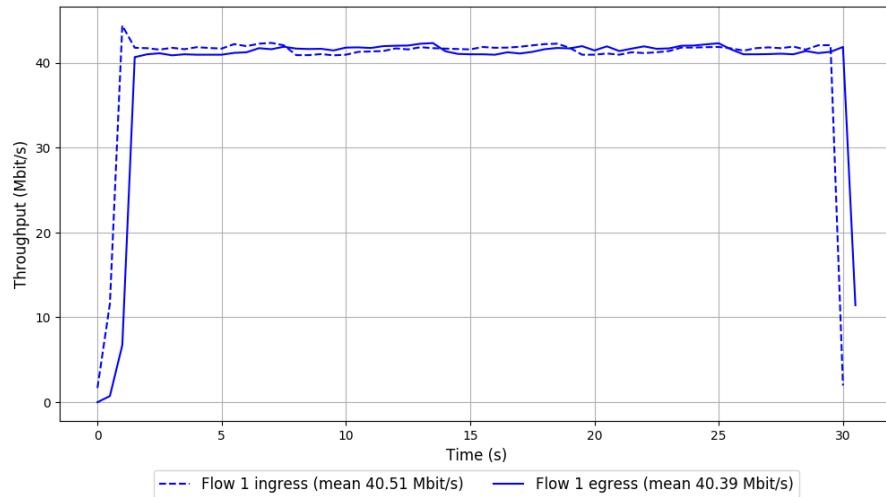


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-30 11:24:23
End at: 2018-05-30 11:24:53
Local clock offset: -6.913 ms
Remote clock offset: 7.153 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 83.532 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 83.532 ms
Loss rate: 0.30%
```

Run 10: Report of TCP Vegas — Data Link

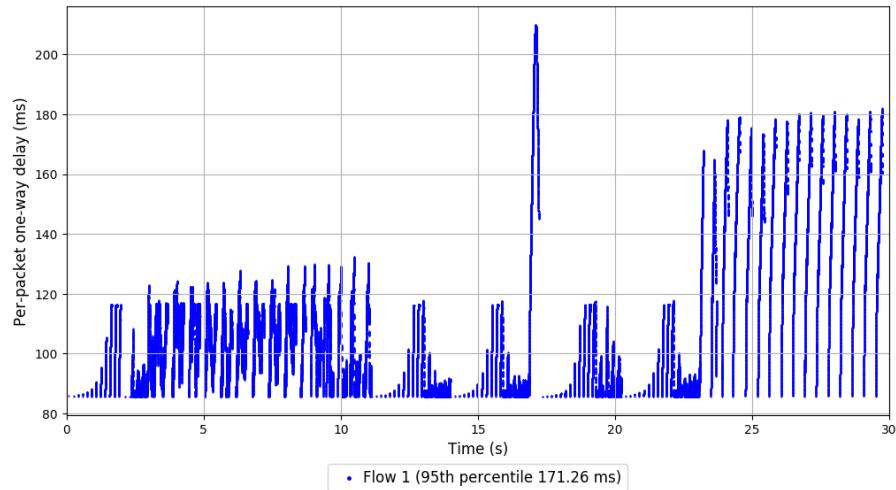
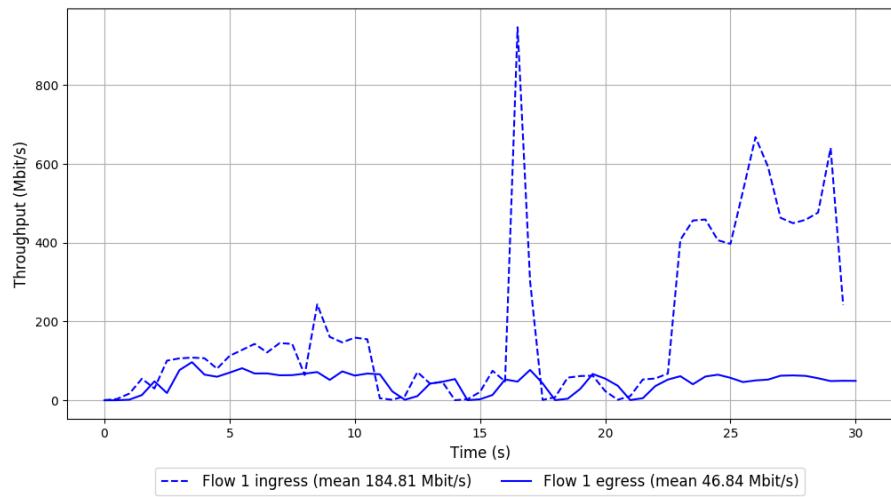


Run 1: Statistics of Verus

```
Start at: 2018-05-30 08:31:25
End at: 2018-05-30 08:31:55
Local clock offset: -0.97 ms
Remote clock offset: 8.673 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 171.264 ms
Loss rate: 74.59%
-- Flow 1:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 171.264 ms
Loss rate: 74.59%
```

Run 1: Report of Verus — Data Link

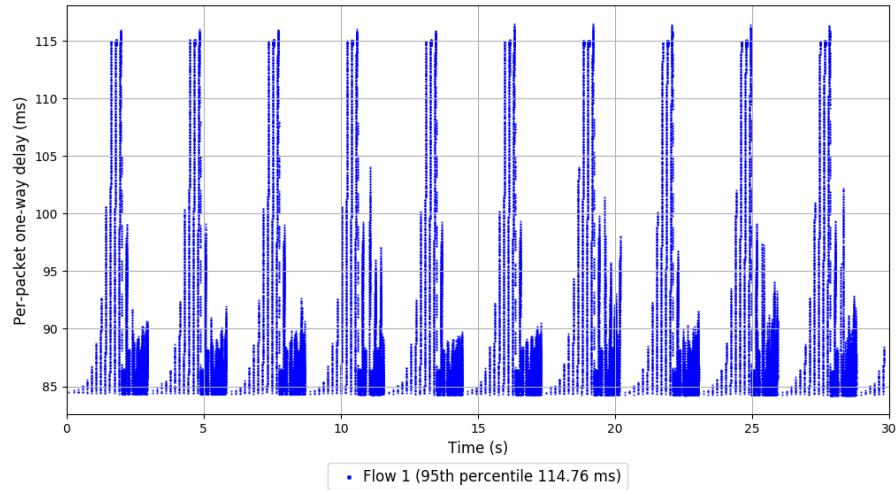
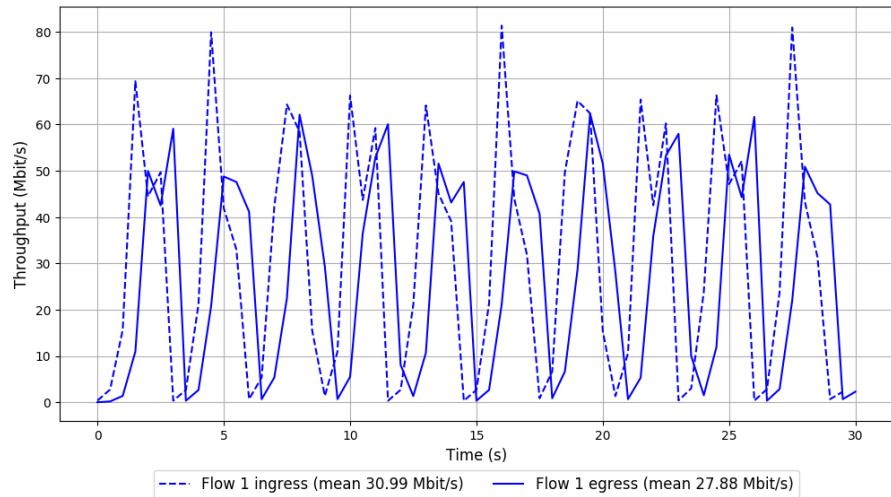


Run 2: Statistics of Verus

```
Start at: 2018-05-30 08:50:07
End at: 2018-05-30 08:50:37
Local clock offset: -0.038 ms
Remote clock offset: 13.281 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 114.762 ms
Loss rate: 10.02%
-- Flow 1:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 114.762 ms
Loss rate: 10.02%
```

Run 2: Report of Verus — Data Link

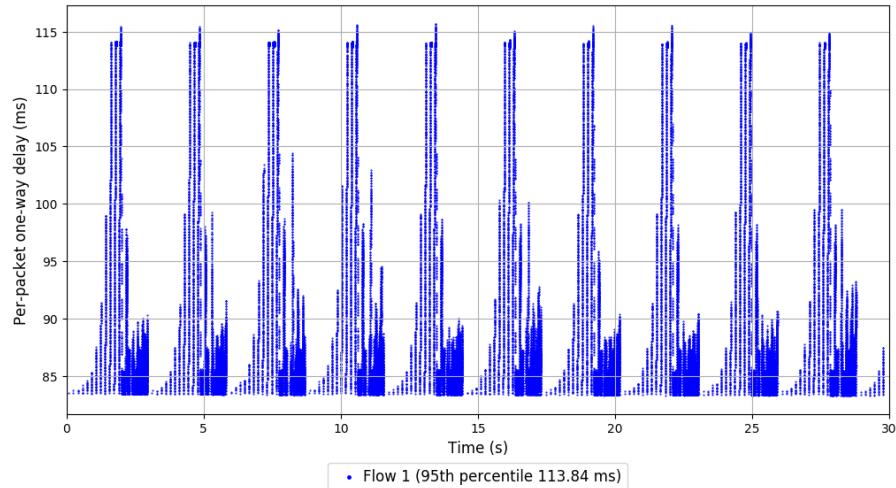
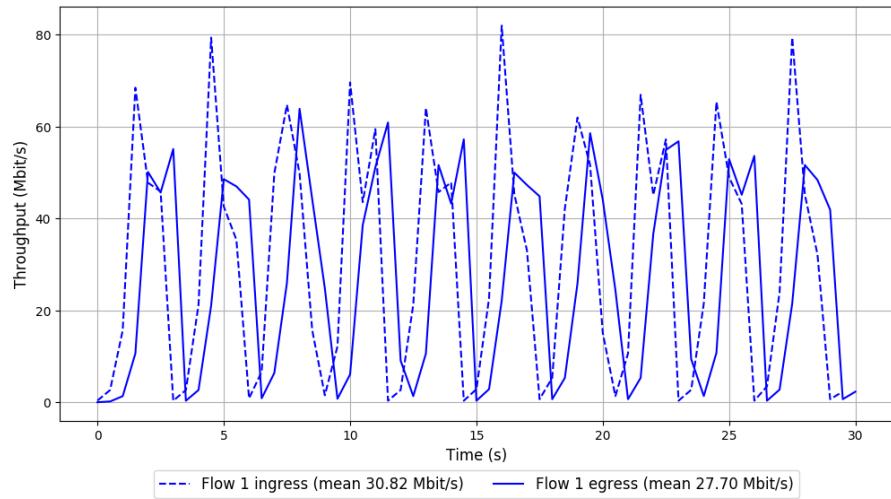


Run 3: Statistics of Verus

```
Start at: 2018-05-30 09:08:47
End at: 2018-05-30 09:09:17
Local clock offset: -0.373 ms
Remote clock offset: 17.012 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 113.842 ms
Loss rate: 10.10%
-- Flow 1:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 113.842 ms
Loss rate: 10.10%
```

Run 3: Report of Verus — Data Link

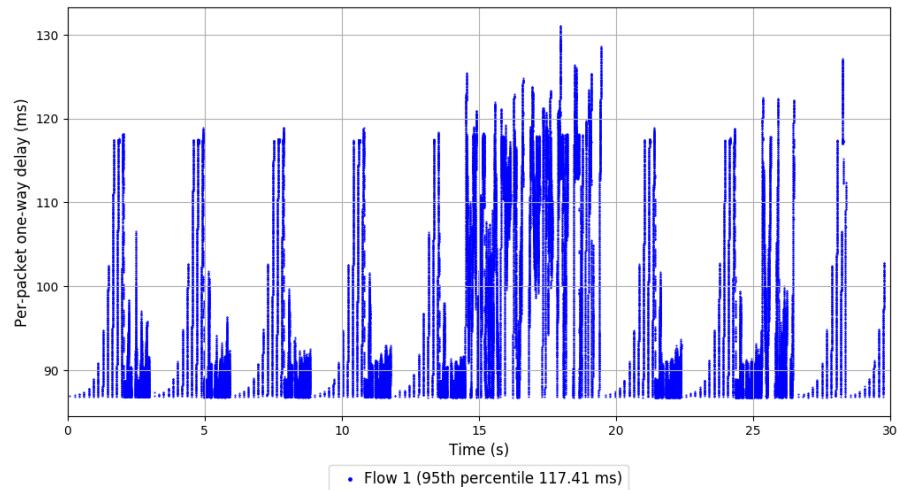
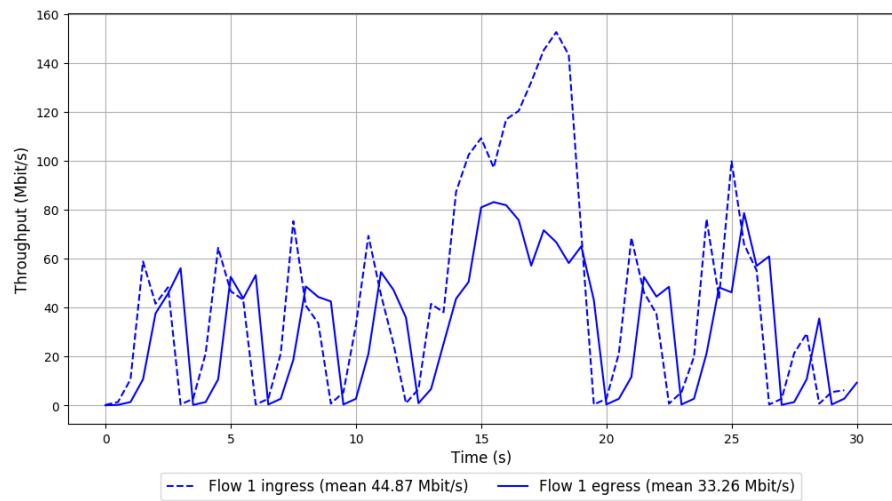


Run 4: Statistics of Verus

```
Start at: 2018-05-30 09:27:27
End at: 2018-05-30 09:27:57
Local clock offset: -0.955 ms
Remote clock offset: 14.766 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 117.410 ms
Loss rate: 25.82%
-- Flow 1:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 117.410 ms
Loss rate: 25.82%
```

Run 4: Report of Verus — Data Link

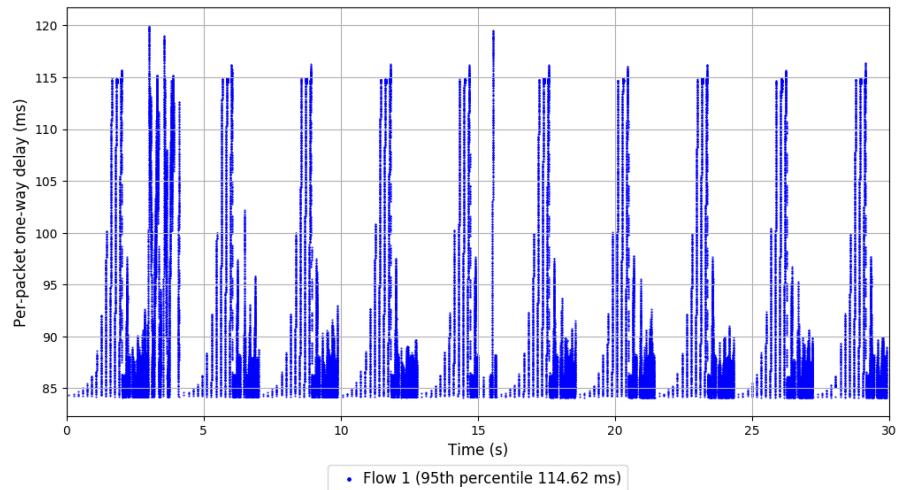
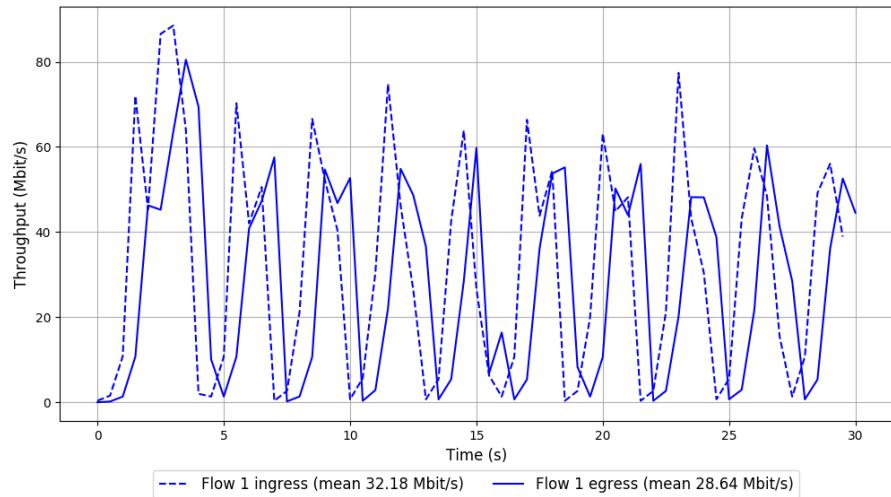


Run 5: Statistics of Verus

```
Start at: 2018-05-30 09:46:06
End at: 2018-05-30 09:46:37
Local clock offset: -1.478 ms
Remote clock offset: 19.504 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 114.619 ms
Loss rate: 10.99%
-- Flow 1:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 114.619 ms
Loss rate: 10.99%
```

Run 5: Report of Verus — Data Link

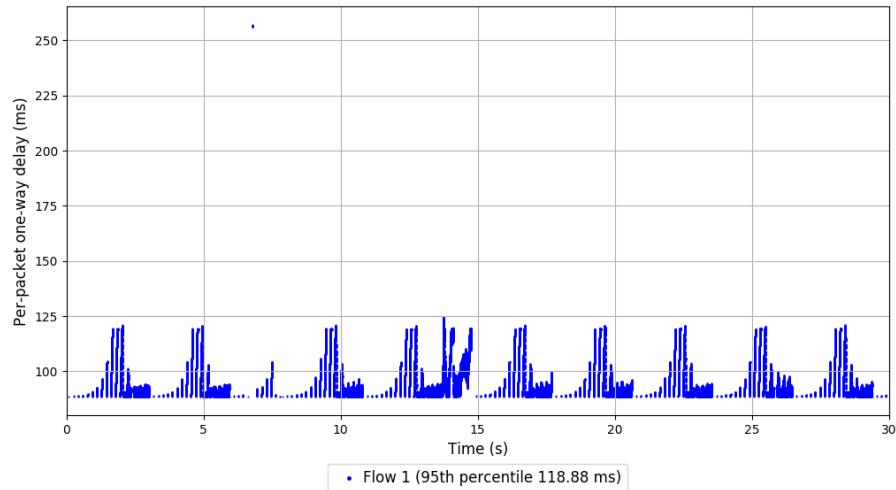
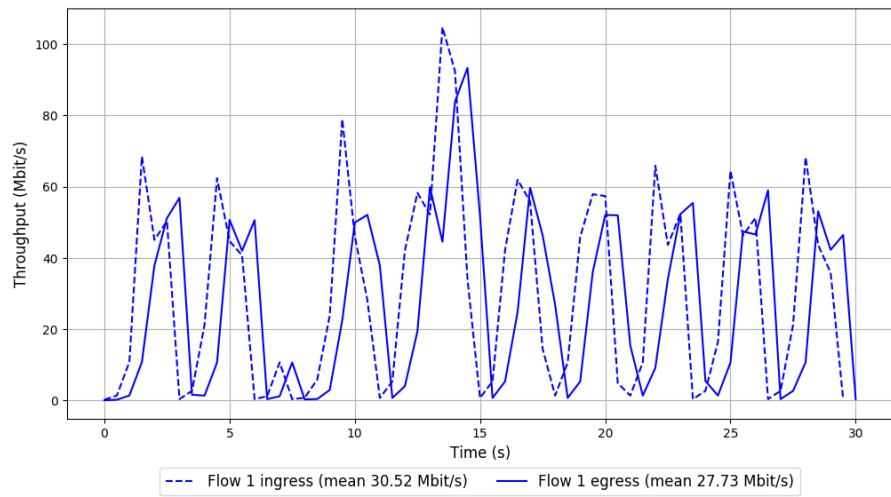


Run 6: Statistics of Verus

```
Start at: 2018-05-30 10:04:46
End at: 2018-05-30 10:05:16
Local clock offset: -0.852 ms
Remote clock offset: 14.34 ms

# Below is generated by plot.py at 2018-05-30 11:51:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 118.882 ms
Loss rate: 9.14%
-- Flow 1:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 118.882 ms
Loss rate: 9.14%
```

Run 6: Report of Verus — Data Link

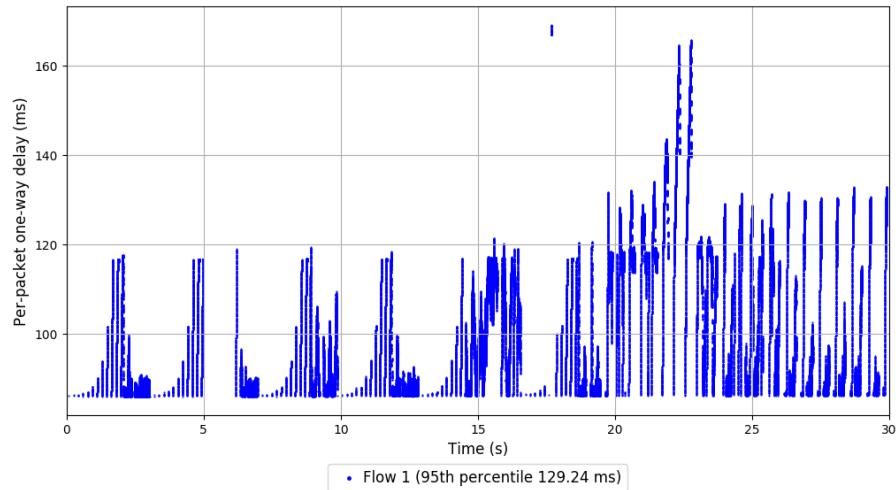
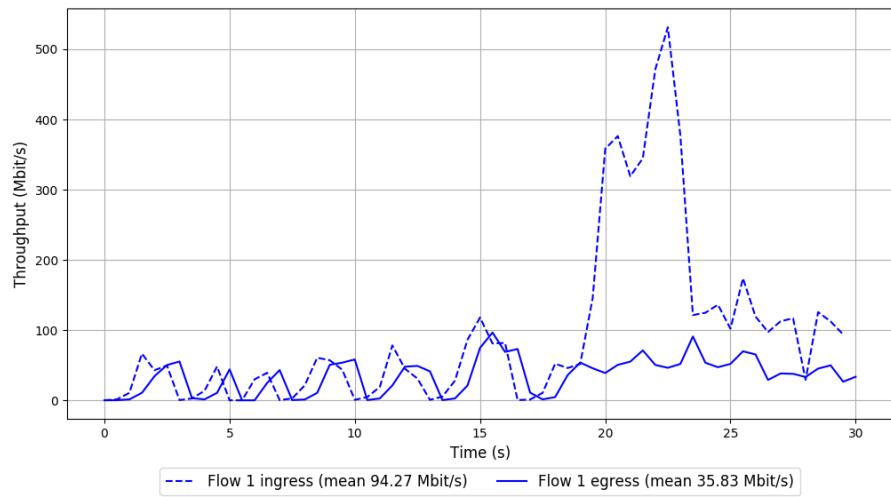


Run 7: Statistics of Verus

```
Start at: 2018-05-30 10:23:25
End at: 2018-05-30 10:23:55
Local clock offset: -2.899 ms
Remote clock offset: 7.649 ms

# Below is generated by plot.py at 2018-05-30 11:51:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 129.242 ms
Loss rate: 61.93%
-- Flow 1:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 129.242 ms
Loss rate: 61.93%
```

Run 7: Report of Verus — Data Link

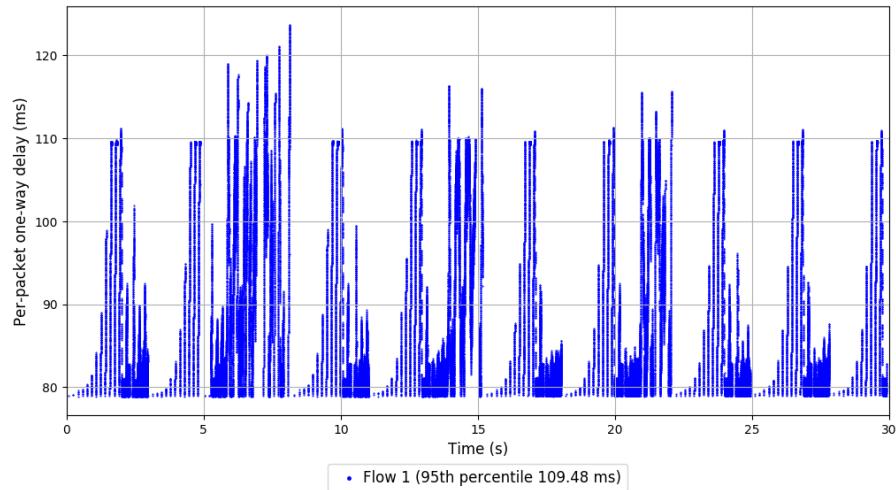
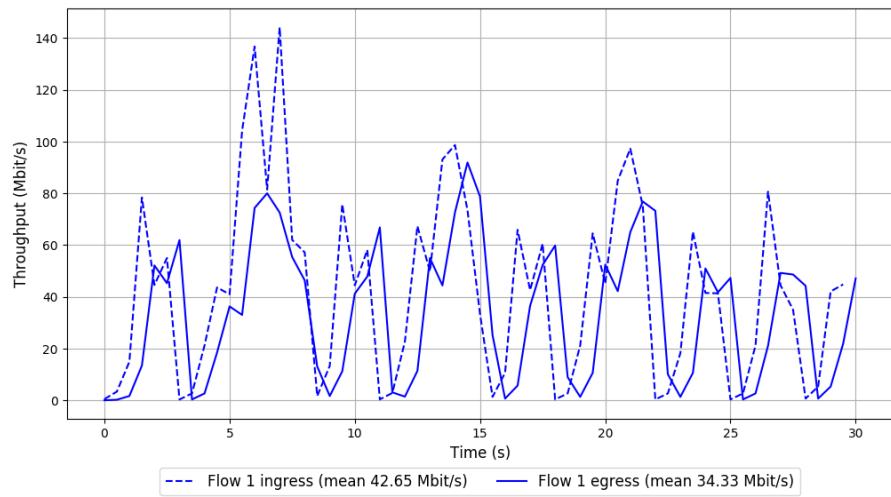


Run 8: Statistics of Verus

```
Start at: 2018-05-30 10:42:12
End at: 2018-05-30 10:42:42
Local clock offset: -1.857 ms
Remote clock offset: 1.6 ms

# Below is generated by plot.py at 2018-05-30 11:51:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 109.485 ms
Loss rate: 19.50%
-- Flow 1:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 109.485 ms
Loss rate: 19.50%
```

Run 8: Report of Verus — Data Link

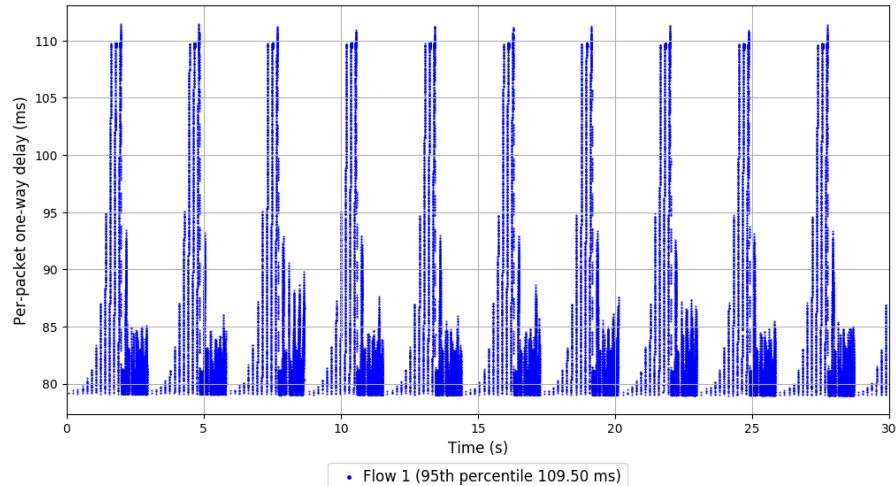
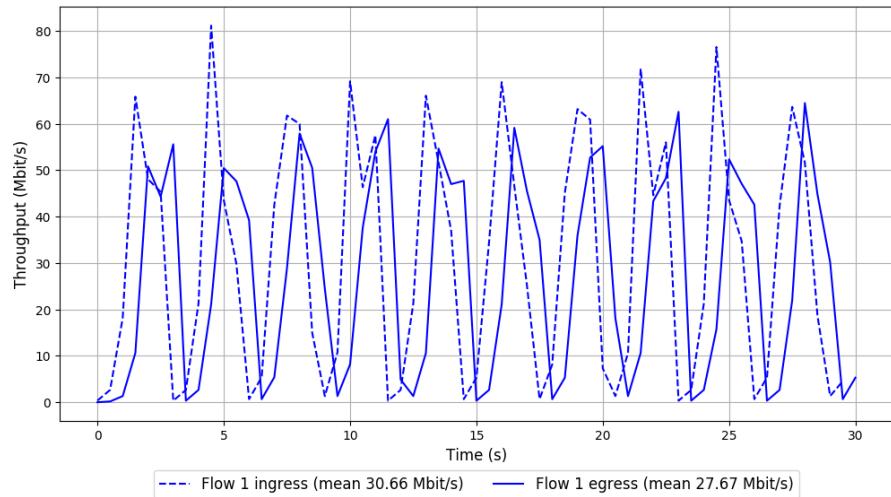


Run 9: Statistics of Verus

```
Start at: 2018-05-30 11:00:53
End at: 2018-05-30 11:01:23
Local clock offset: -1.388 ms
Remote clock offset: 0.903 ms

# Below is generated by plot.py at 2018-05-30 11:51:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 109.495 ms
Loss rate: 9.72%
-- Flow 1:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 109.495 ms
Loss rate: 9.72%
```

Run 9: Report of Verus — Data Link

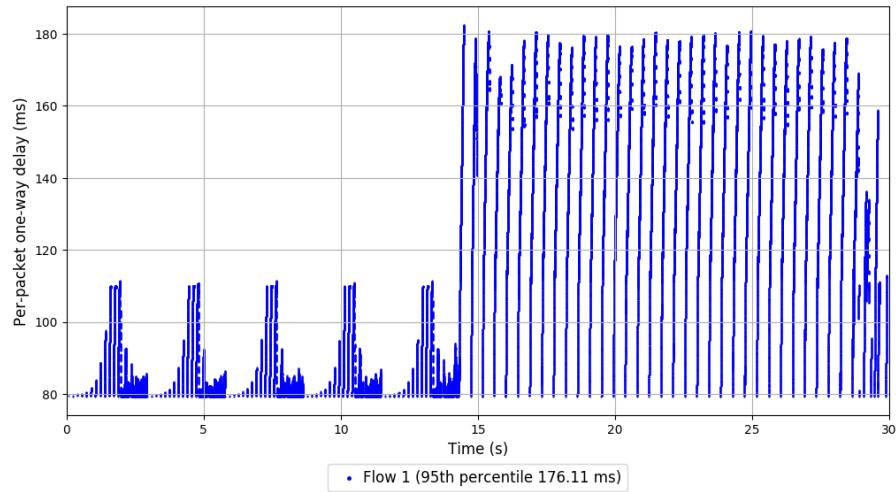
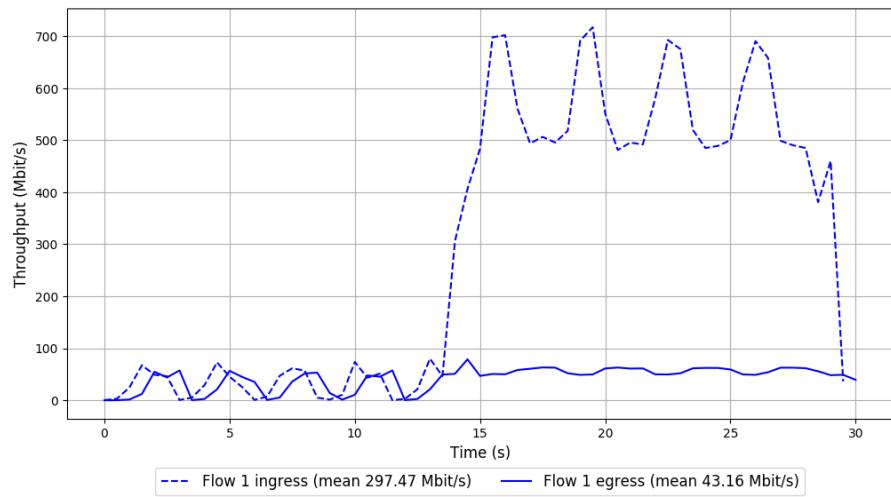


Run 10: Statistics of Verus

```
Start at: 2018-05-30 11:19:33
End at: 2018-05-30 11:20:03
Local clock offset: -6.271 ms
Remote clock offset: 3.287 ms

# Below is generated by plot.py at 2018-05-30 11:52:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 176.110 ms
Loss rate: 85.47%
-- Flow 1:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 176.110 ms
Loss rate: 85.47%
```

Run 10: Report of Verus — Data Link

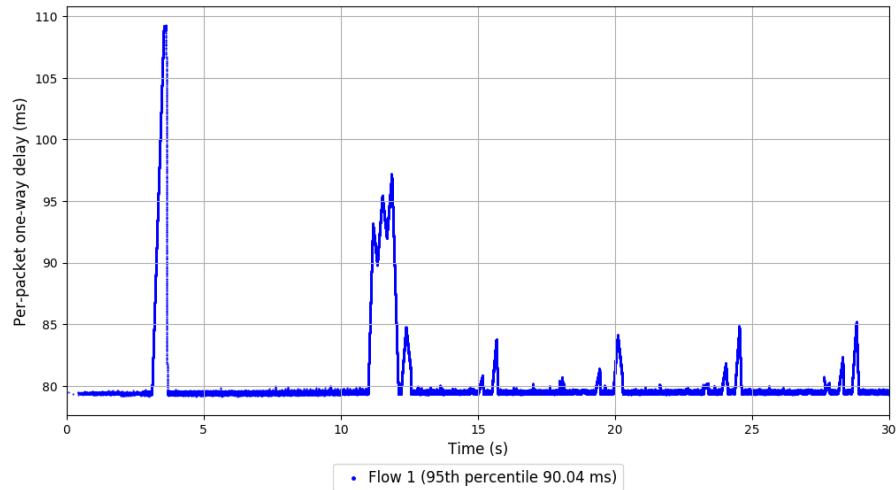
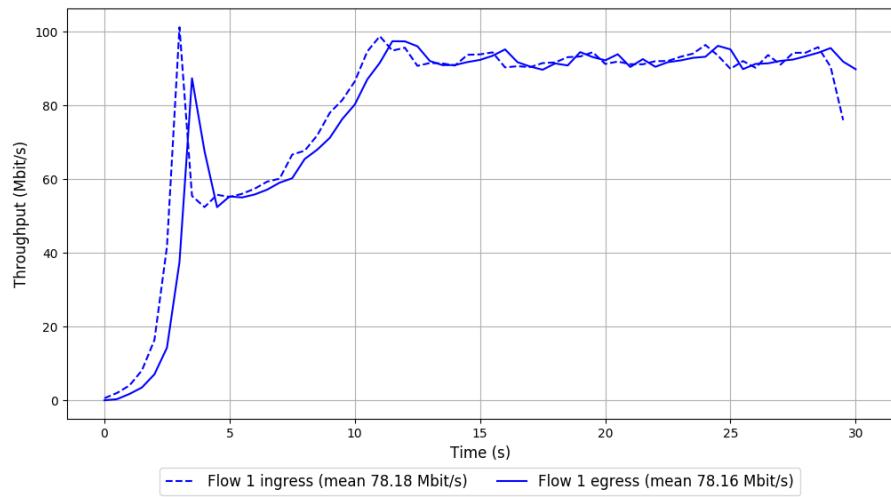


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-05-30 08:33:49
End at: 2018-05-30 08:34:19
Local clock offset: -0.813 ms
Remote clock offset: 3.656 ms

# Below is generated by plot.py at 2018-05-30 11:52:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 90.038 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 90.038 ms
Loss rate: 0.03%
```

Run 1: Report of PCC-Vivace — Data Link

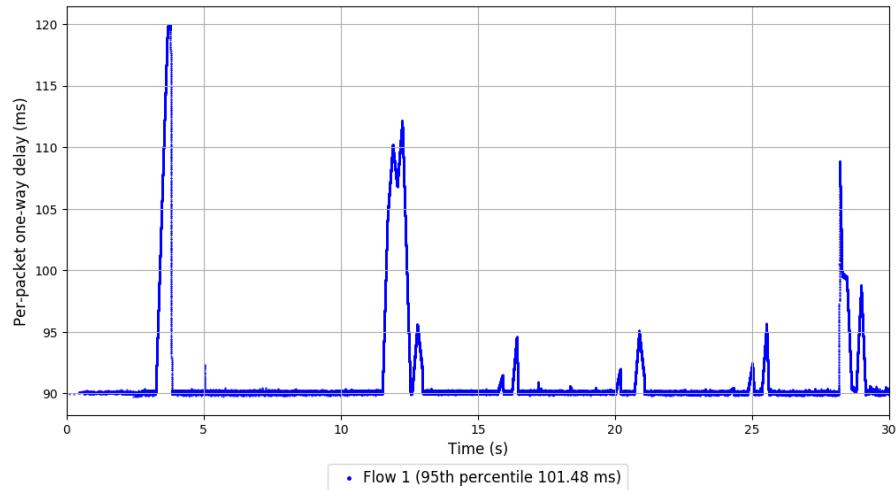
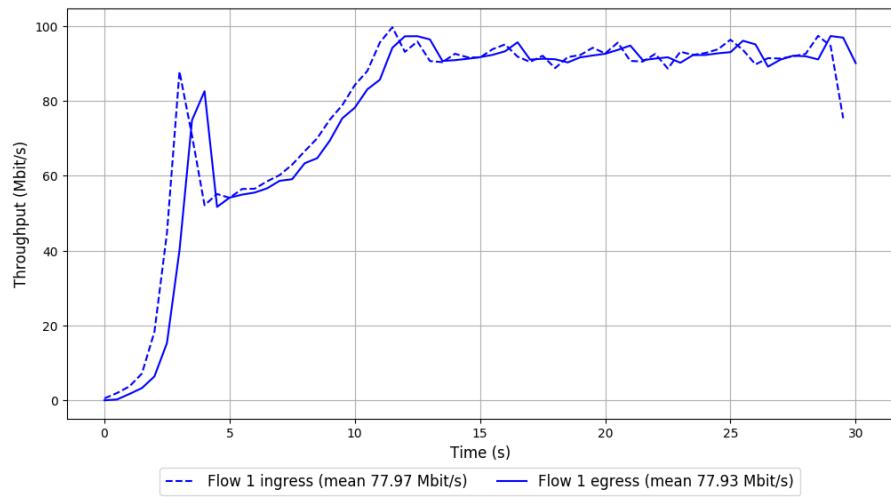


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-30 08:52:30
End at: 2018-05-30 08:53:00
Local clock offset: 0.031 ms
Remote clock offset: 14.219 ms

# Below is generated by plot.py at 2018-05-30 11:52:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 101.482 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 101.482 ms
Loss rate: 0.06%
```

Run 2: Report of PCC-Vivace — Data Link

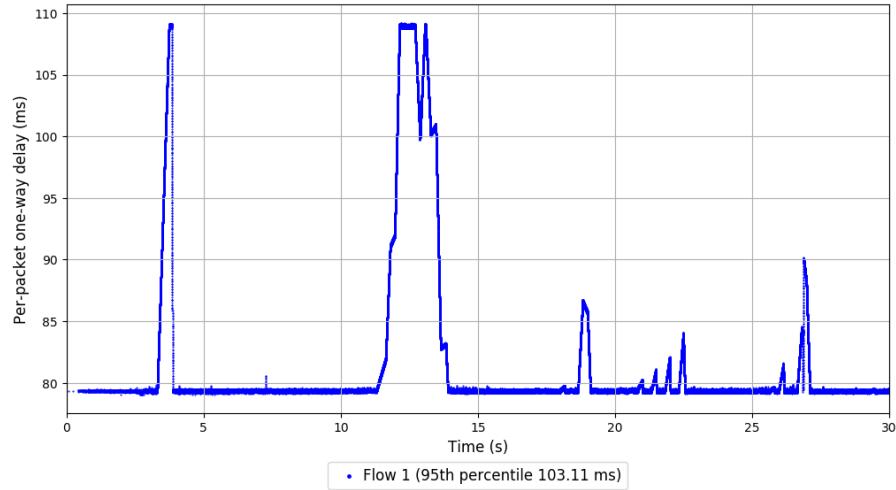
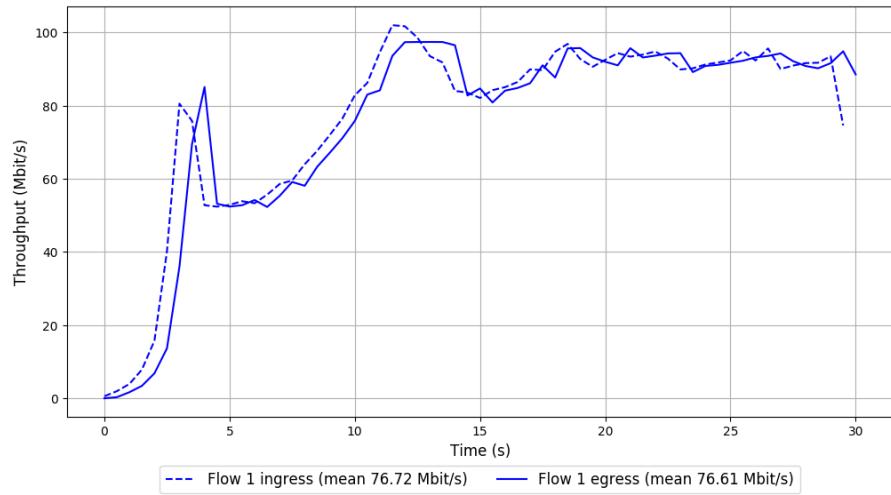


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-30 09:11:10
End at: 2018-05-30 09:11:40
Local clock offset: 0.147 ms
Remote clock offset: 12.232 ms

# Below is generated by plot.py at 2018-05-30 11:52:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 103.110 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 103.110 ms
Loss rate: 0.14%
```

Run 3: Report of PCC-Vivace — Data Link

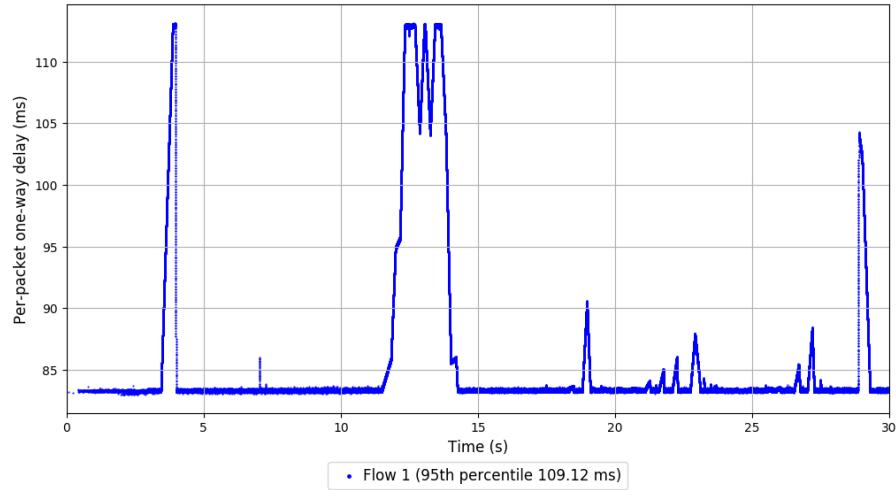
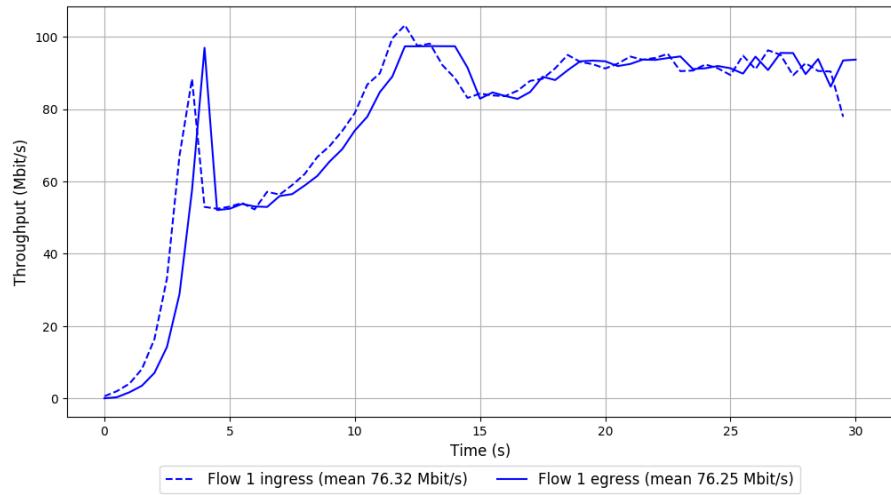


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-30 09:29:50
End at: 2018-05-30 09:30:20
Local clock offset: -0.912 ms
Remote clock offset: 19.005 ms

# Below is generated by plot.py at 2018-05-30 11:52:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.25 Mbit/s
95th percentile per-packet one-way delay: 109.120 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 76.25 Mbit/s
95th percentile per-packet one-way delay: 109.120 ms
Loss rate: 0.10%
```

Run 4: Report of PCC-Vivace — Data Link

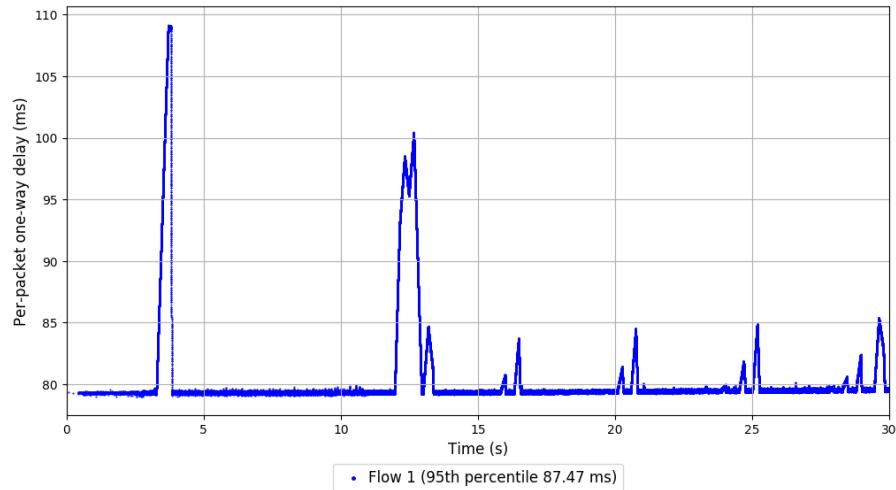
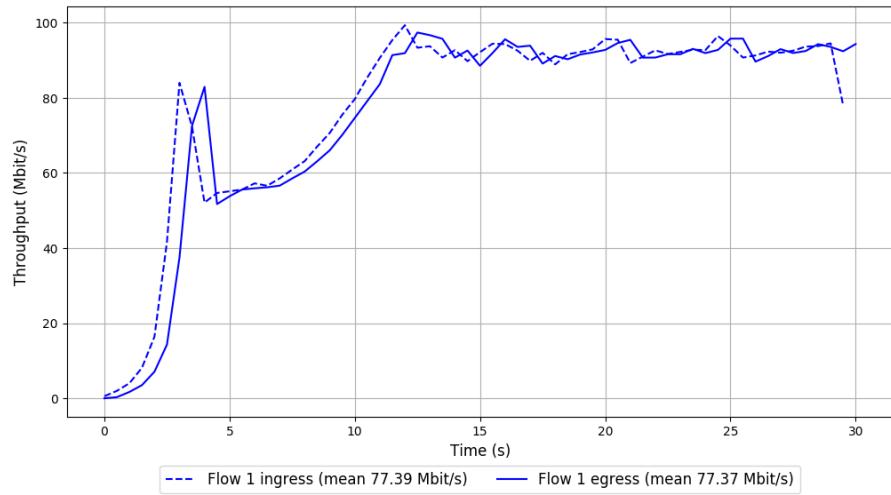


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-30 09:48:29
End at: 2018-05-30 09:48:59
Local clock offset: -0.772 ms
Remote clock offset: 15.765 ms

# Below is generated by plot.py at 2018-05-30 11:52:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 87.469 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 87.469 ms
Loss rate: 0.03%
```

Run 5: Report of PCC-Vivace — Data Link

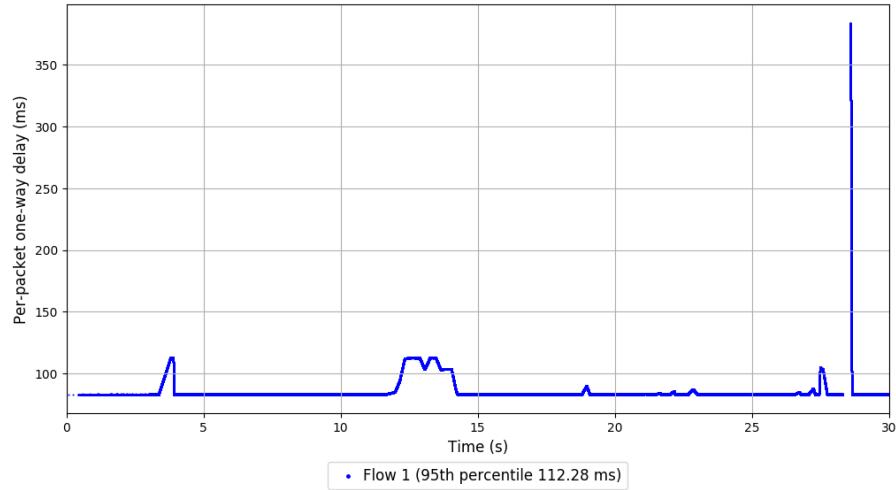
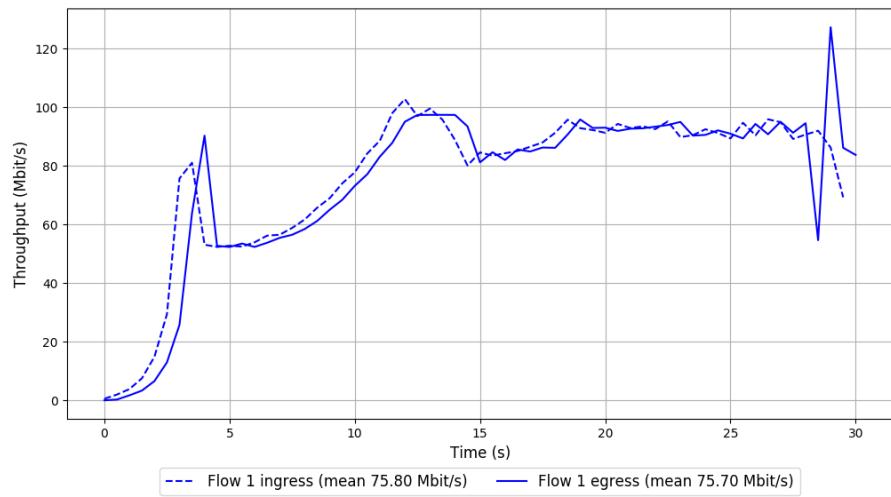


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-30 10:07:09
End at: 2018-05-30 10:07:39
Local clock offset: -0.903 ms
Remote clock offset: 9.051 ms

# Below is generated by plot.py at 2018-05-30 11:52:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.70 Mbit/s
95th percentile per-packet one-way delay: 112.285 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 75.70 Mbit/s
95th percentile per-packet one-way delay: 112.285 ms
Loss rate: 0.14%
```

Run 6: Report of PCC-Vivace — Data Link

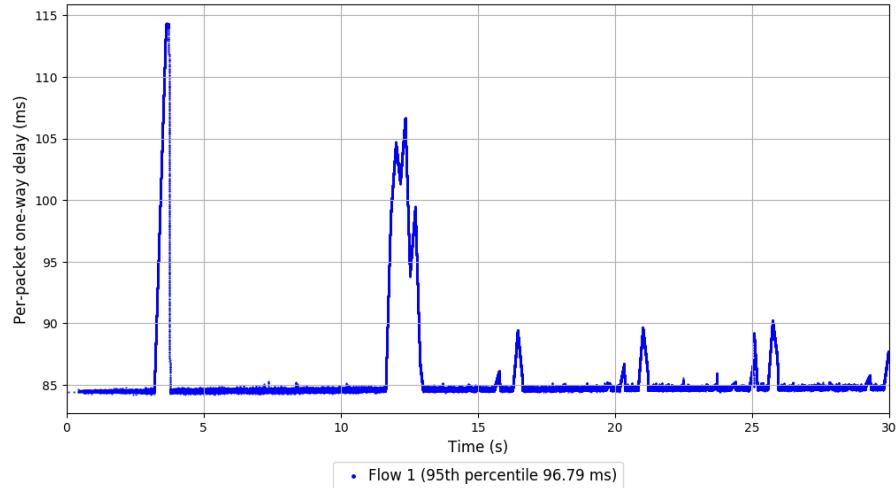
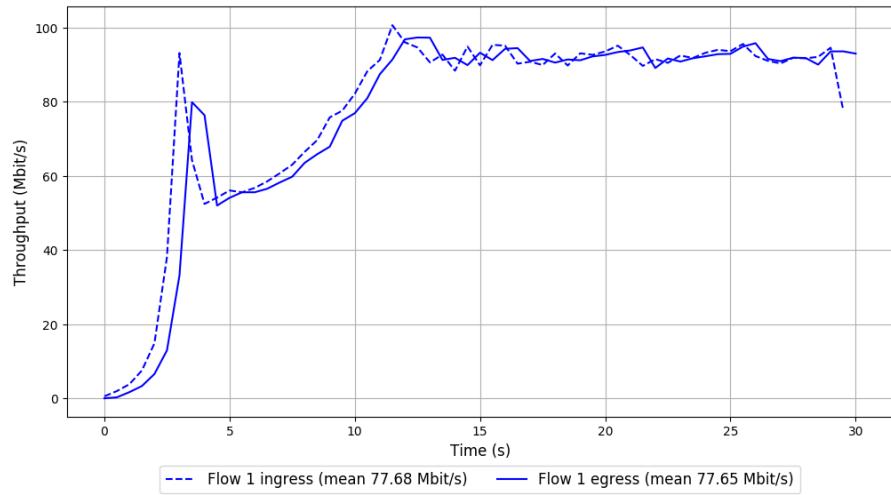


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-30 10:25:53
End at: 2018-05-30 10:26:23
Local clock offset: -2.145 ms
Remote clock offset: 7.092 ms

# Below is generated by plot.py at 2018-05-30 11:52:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 96.789 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 96.789 ms
Loss rate: 0.05%
```

Run 7: Report of PCC-Vivace — Data Link

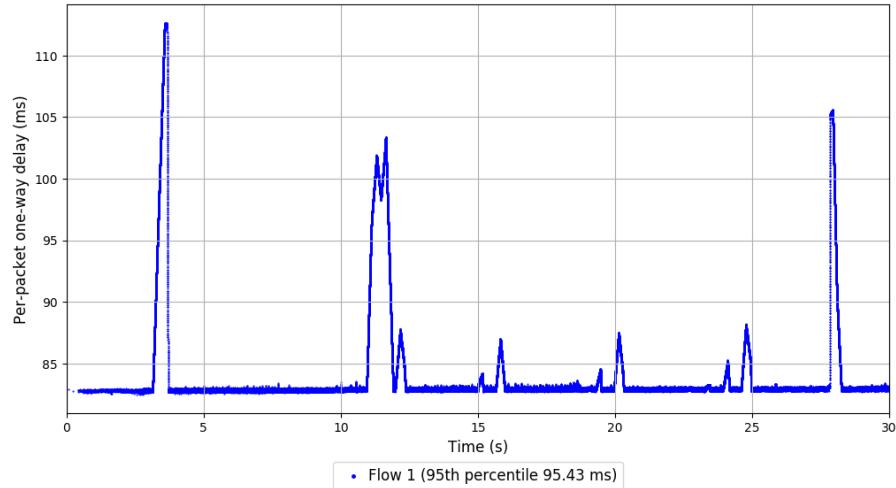
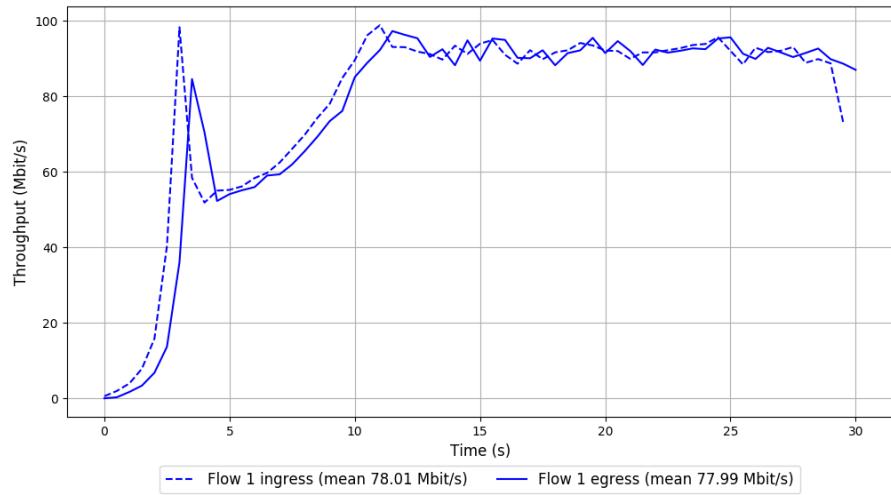


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-30 10:44:35
End at: 2018-05-30 10:45:05
Local clock offset: -3.275 ms
Remote clock offset: 2.032 ms

# Below is generated by plot.py at 2018-05-30 11:52:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.99 Mbit/s
95th percentile per-packet one-way delay: 95.428 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.99 Mbit/s
95th percentile per-packet one-way delay: 95.428 ms
Loss rate: 0.03%
```

Run 8: Report of PCC-Vivace — Data Link

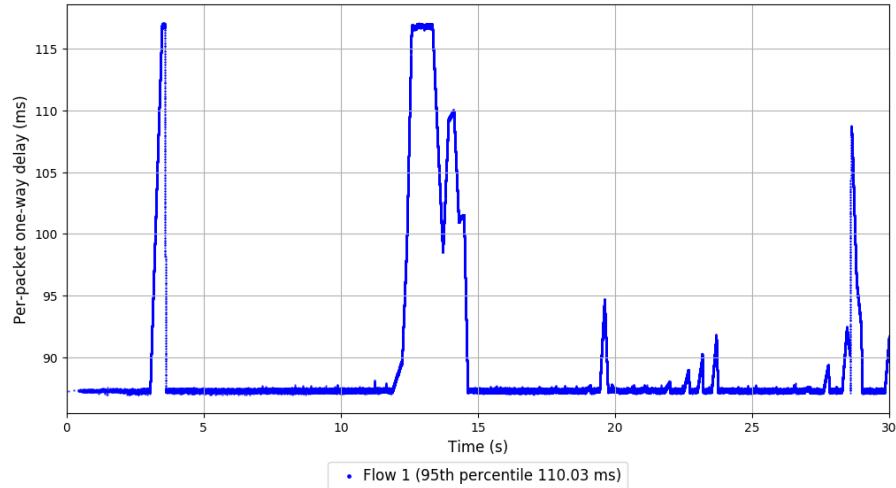
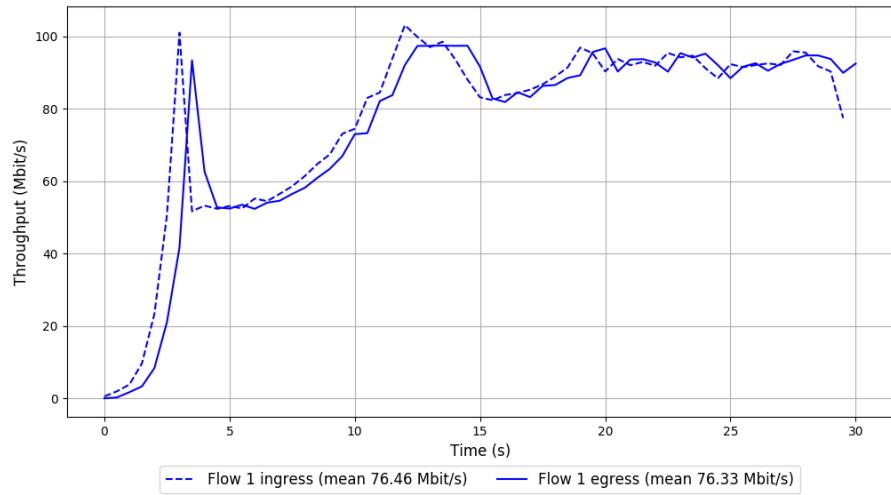


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-30 11:03:16
End at: 2018-05-30 11:03:46
Local clock offset: -1.36 ms
Remote clock offset: 5.443 ms

# Below is generated by plot.py at 2018-05-30 11:52:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.33 Mbit/s
95th percentile per-packet one-way delay: 110.025 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 76.33 Mbit/s
95th percentile per-packet one-way delay: 110.025 ms
Loss rate: 0.16%
```

Run 9: Report of PCC-Vivace — Data Link

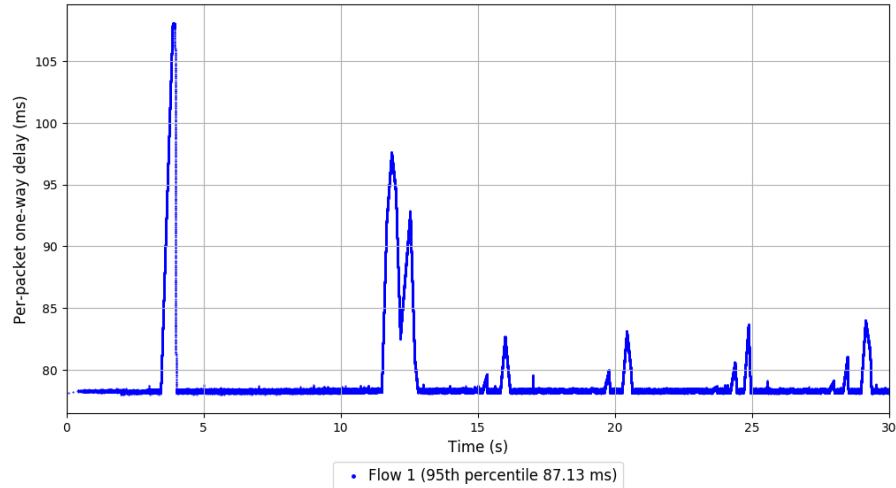
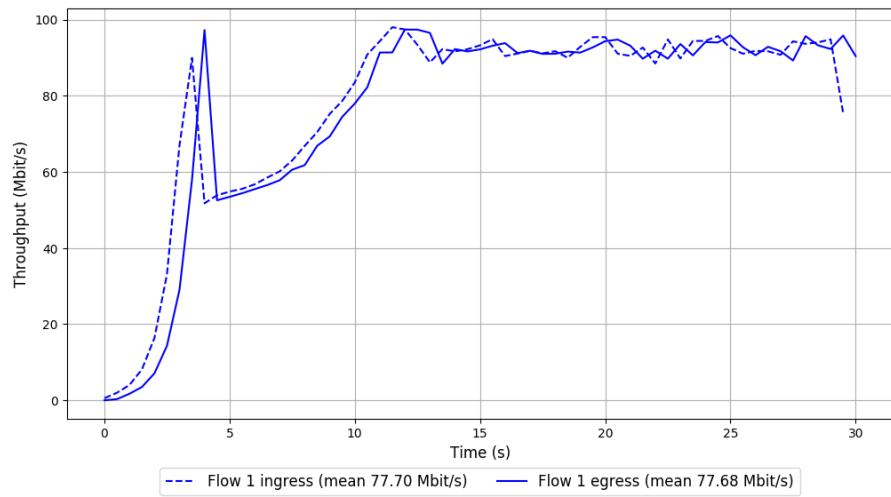


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-30 11:22:00
End at: 2018-05-30 11:22:30
Local clock offset: -5.866 ms
Remote clock offset: 3.229 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 87.134 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 87.134 ms
Loss rate: 0.03%
```

Run 10: Report of PCC-Vivace — Data Link

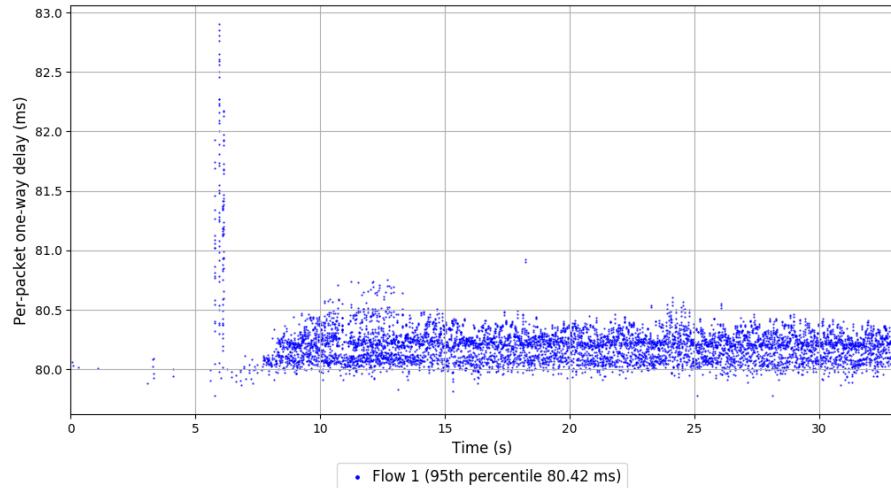
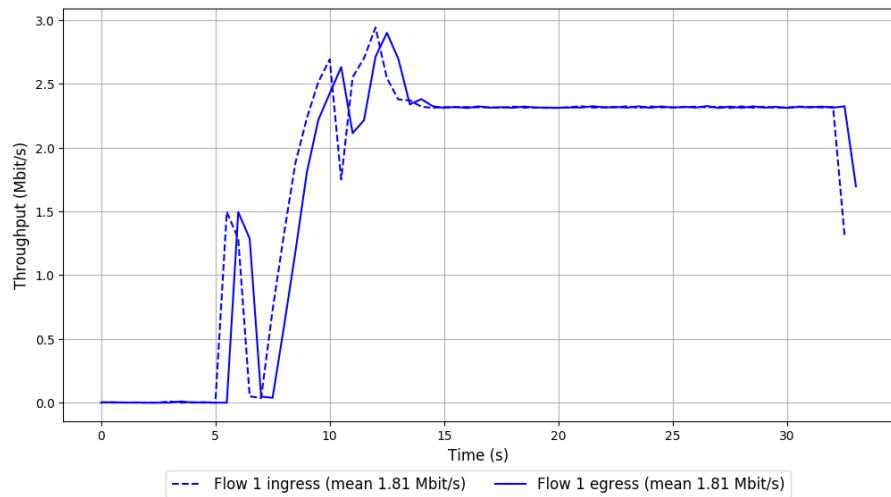


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-30 08:39:37
End at: 2018-05-30 08:40:07
Local clock offset: -0.012 ms
Remote clock offset: 4.505 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 80.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 80.422 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

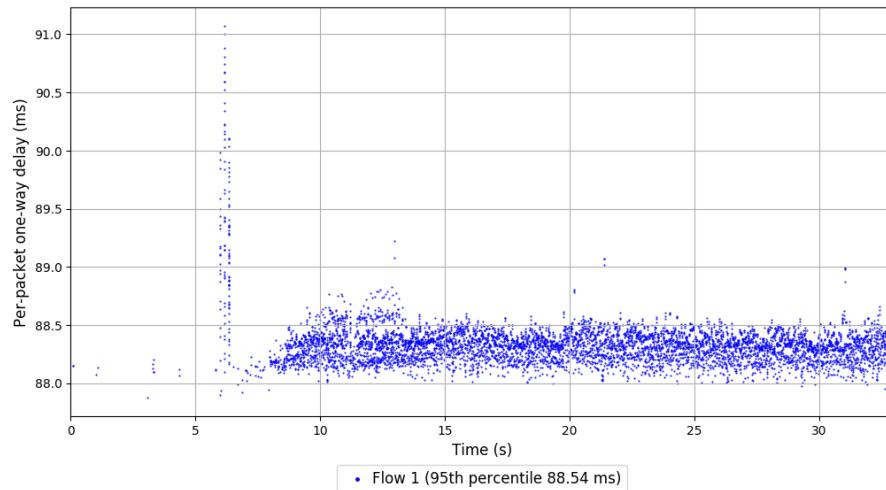
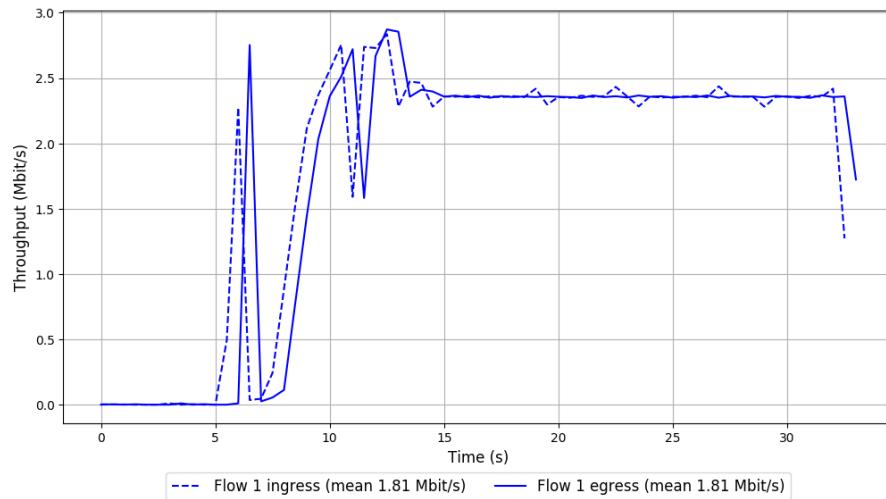


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-30 08:58:18
End at: 2018-05-30 08:58:48
Local clock offset: -0.46 ms
Remote clock offset: 14.348 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 88.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 88.541 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

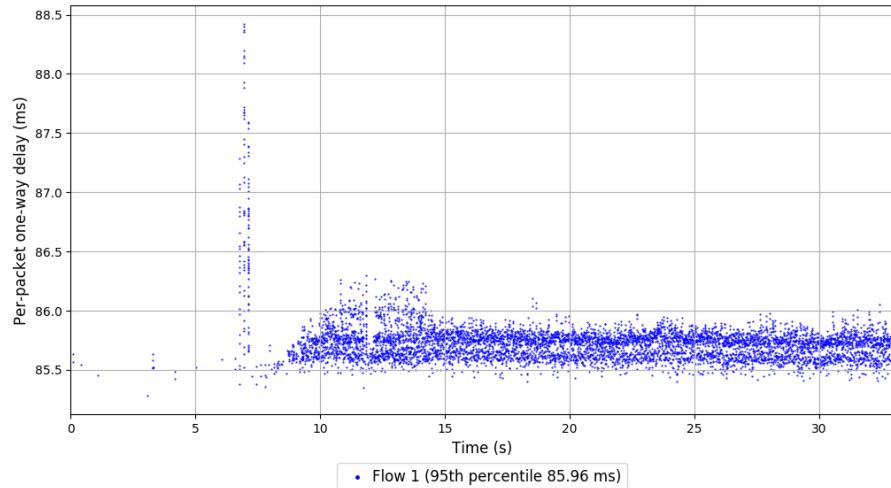
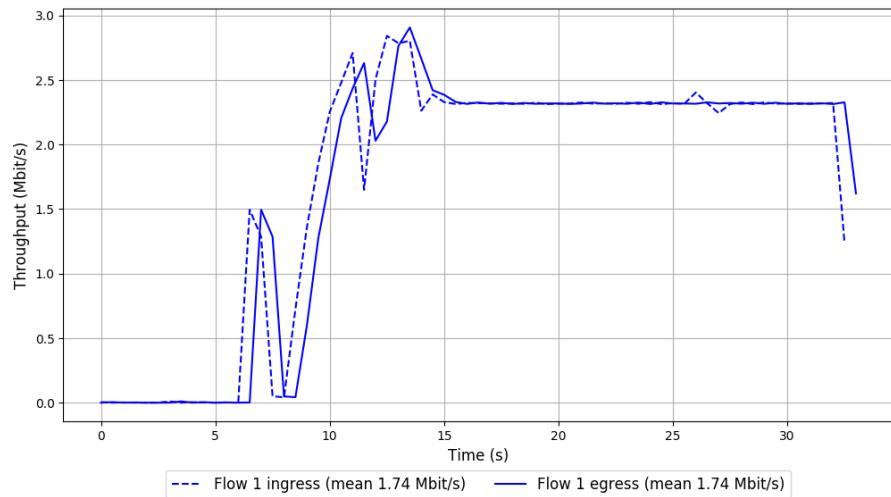


```
Run 3: Statistics of WebRTC media

Start at: 2018-05-30 09:16:58
End at: 2018-05-30 09:17:28
Local clock offset: -0.942 ms
Remote clock offset: 17.781 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 85.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 85.956 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

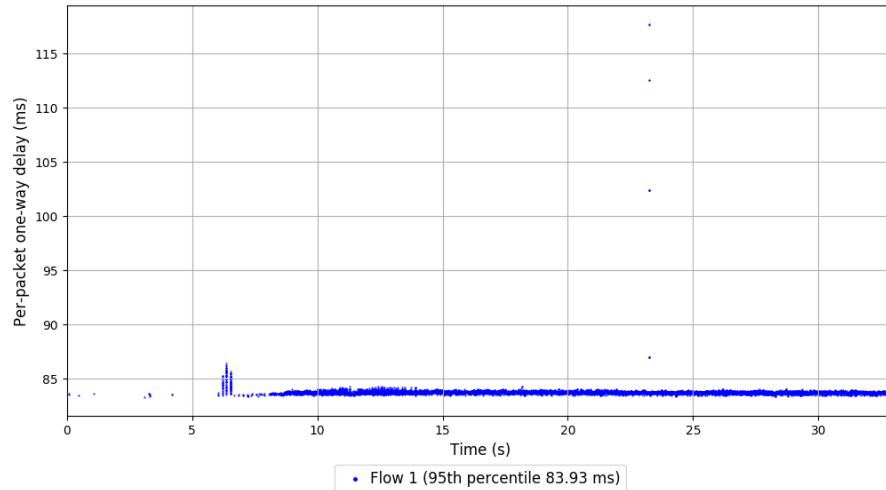
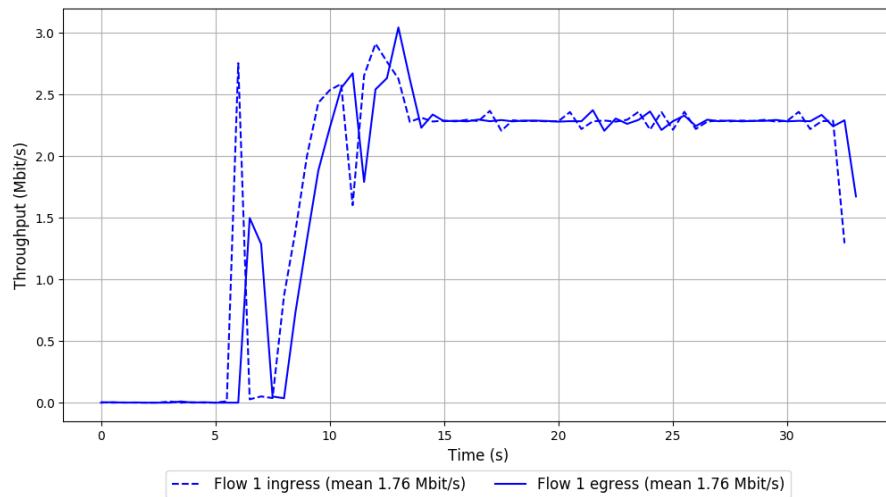


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-30 09:35:38
End at: 2018-05-30 09:36:08
Local clock offset: 0.008 ms
Remote clock offset: 20.362 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 83.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 83.932 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

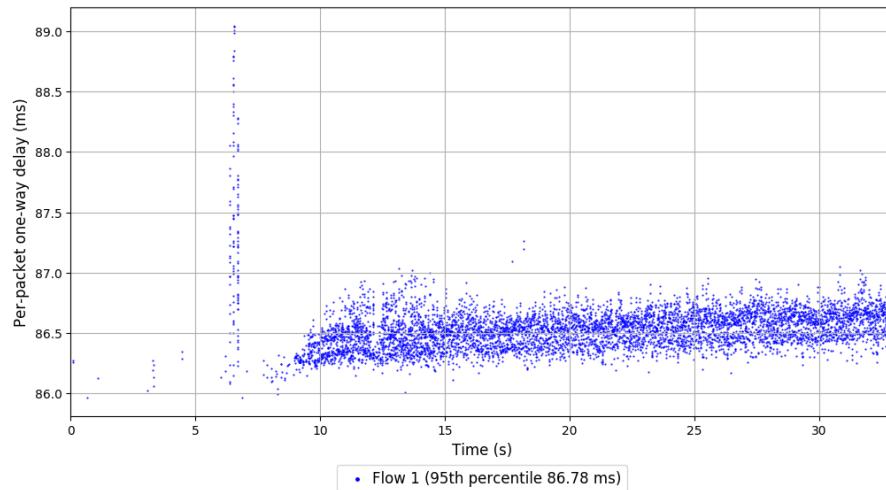
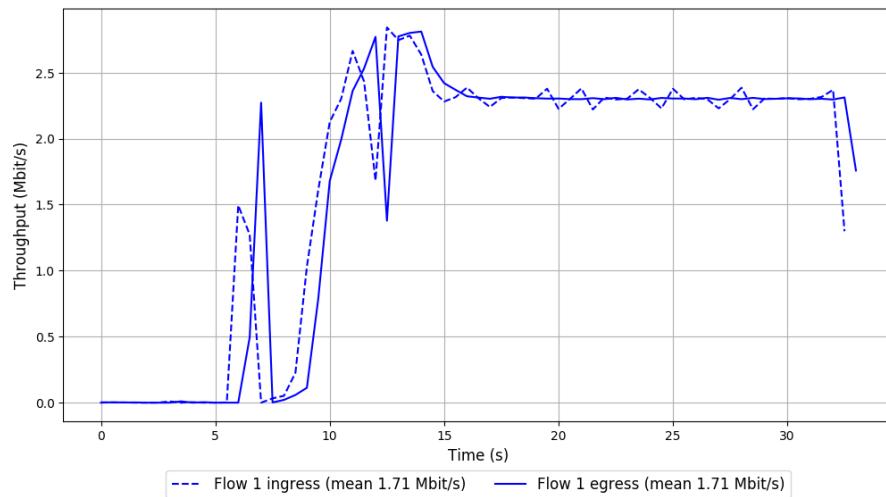


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-30 09:54:17
End at: 2018-05-30 09:54:47
Local clock offset: -1.66 ms
Remote clock offset: 18.255 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

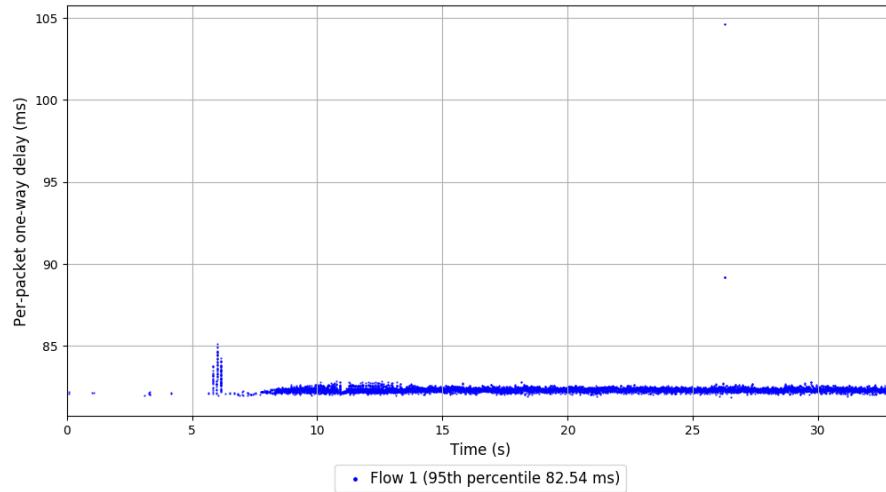
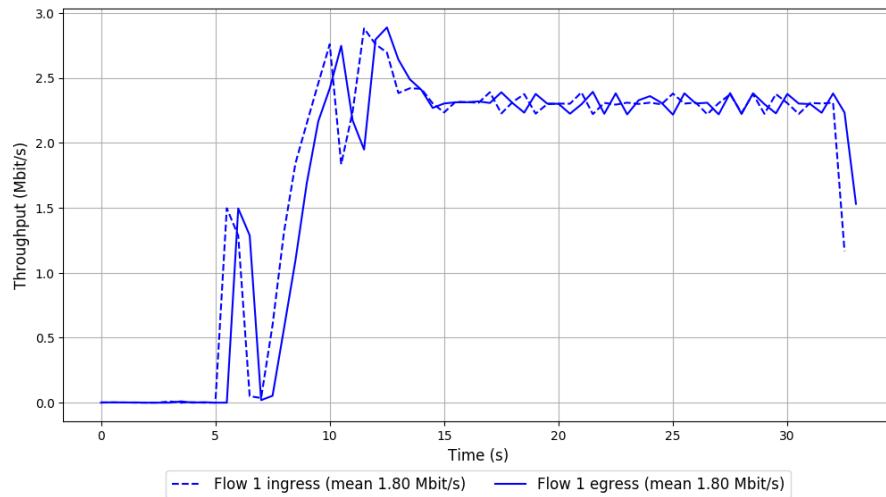


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-30 10:12:55
End at: 2018-05-30 10:13:25
Local clock offset: -2.377 ms
Remote clock offset: 9.327 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 82.544 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 82.544 ms
Loss rate: 0.02%
```

Run 6: Report of WebRTC media — Data Link

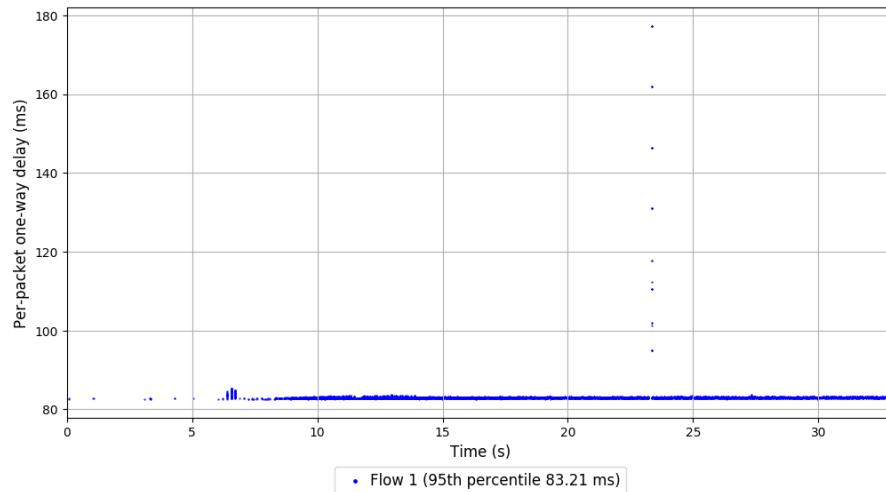
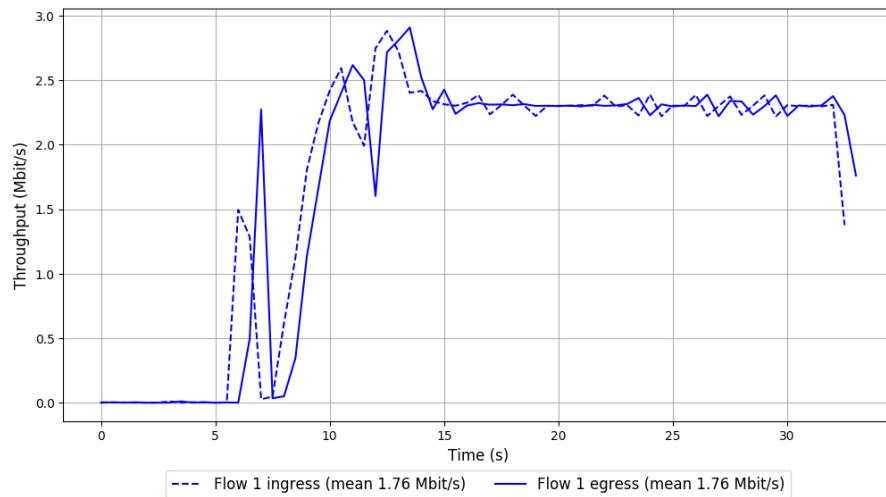


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-30 10:31:42
End at: 2018-05-30 10:32:12
Local clock offset: -2.227 ms
Remote clock offset: 8.712 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 83.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 83.211 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

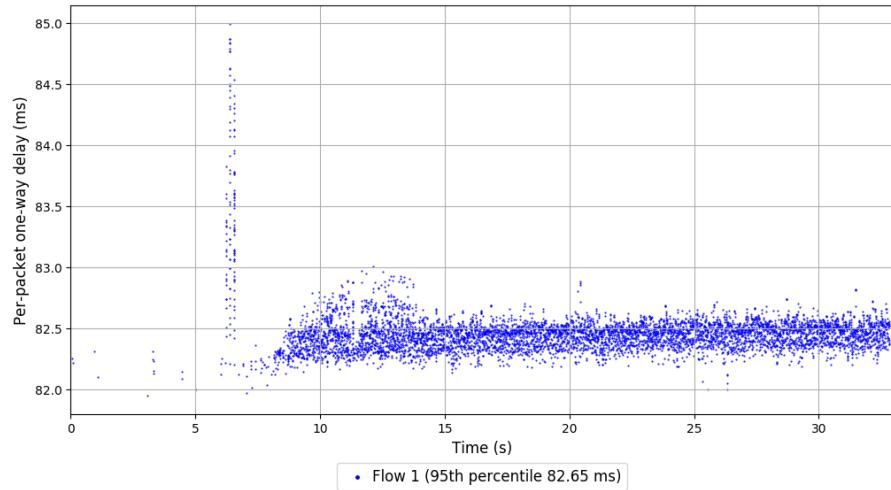
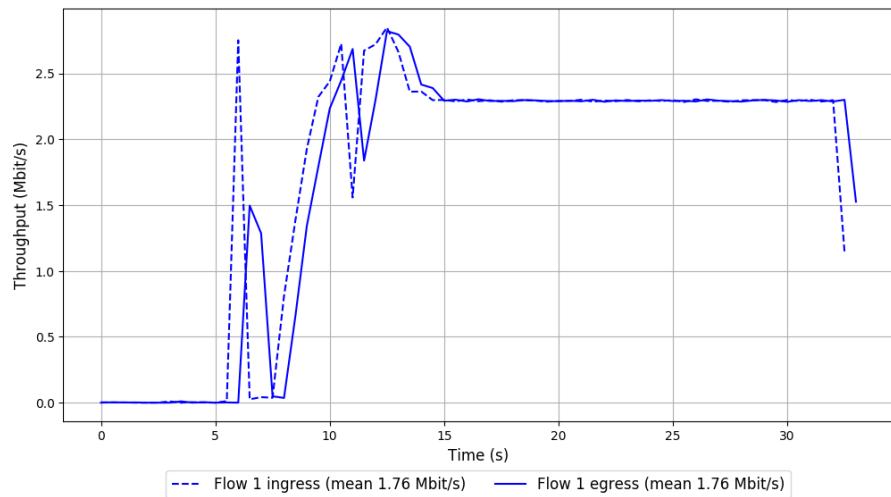


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-30 10:50:24
End at: 2018-05-30 10:50:54
Local clock offset: -3.179 ms
Remote clock offset: 0.45 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 82.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 82.654 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

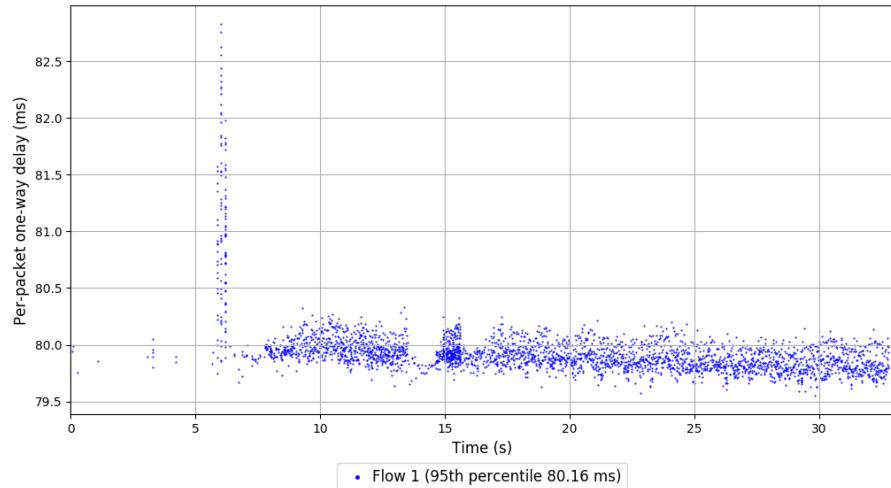
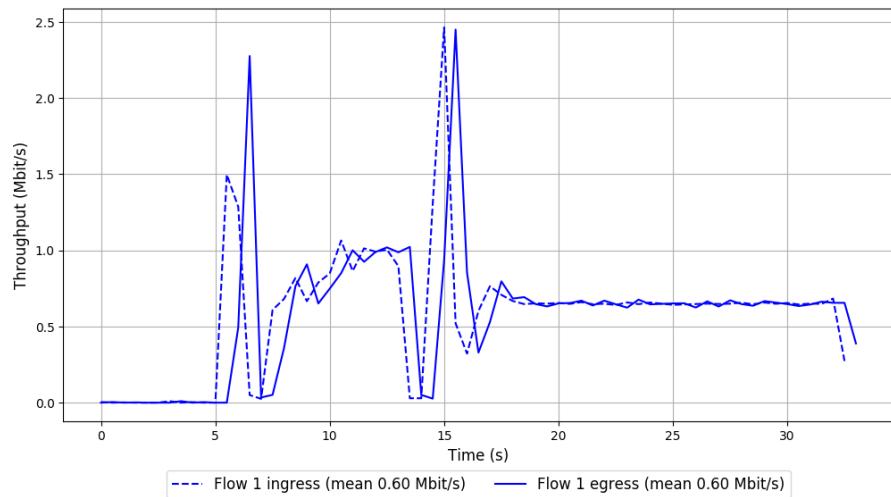


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-30 11:09:04
End at: 2018-05-30 11:09:34
Local clock offset: -2.651 ms
Remote clock offset: 3.031 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 80.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 80.161 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-05-30 11:27:49
End at: 2018-05-30 11:28:19
Local clock offset: -7.297 ms
Remote clock offset: 7.256 ms

# Below is generated by plot.py at 2018-05-30 11:52:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 83.758 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 83.758 ms
Loss rate: 0.02%
```

Run 10: Report of WebRTC media — Data Link

