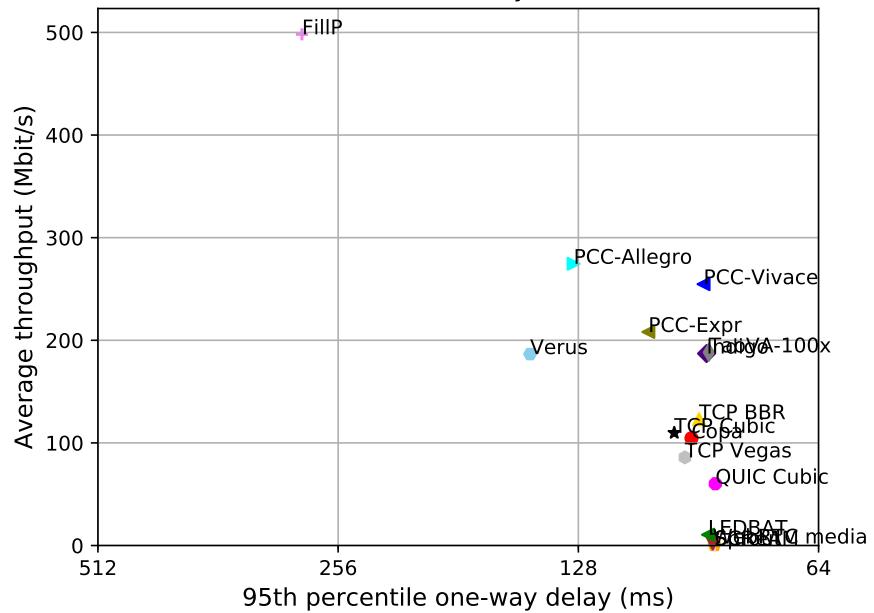


Pantheon Report

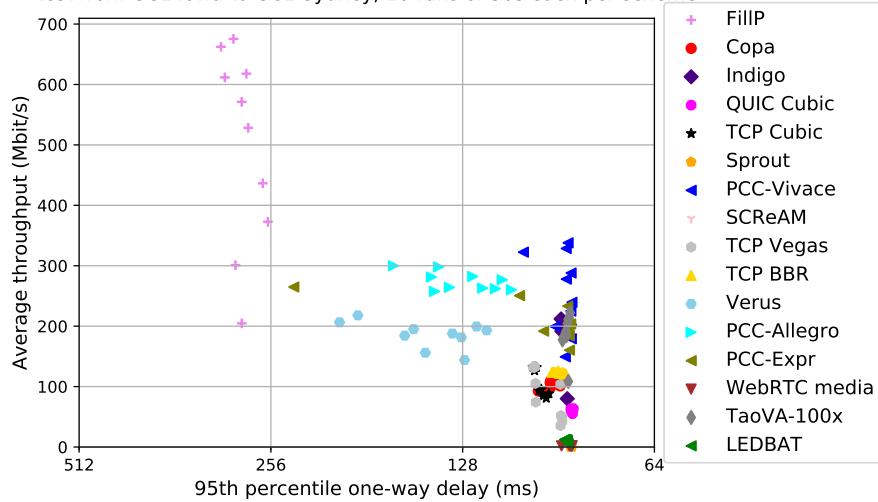
Generated at 2018-06-05 18:55:47 (UTC).
Data path: GCE Iowa Ethernet (*remote*) → GCE Sydney Ethernet (*local*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

```
Git summary:  
branch: master @ 227fdf9a3757f17b88537ccecd5743a33037a3d2  
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 GCE Iowa to GCE Sydney, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa to GCE Sydney, 10 runs of 30s each per scheme



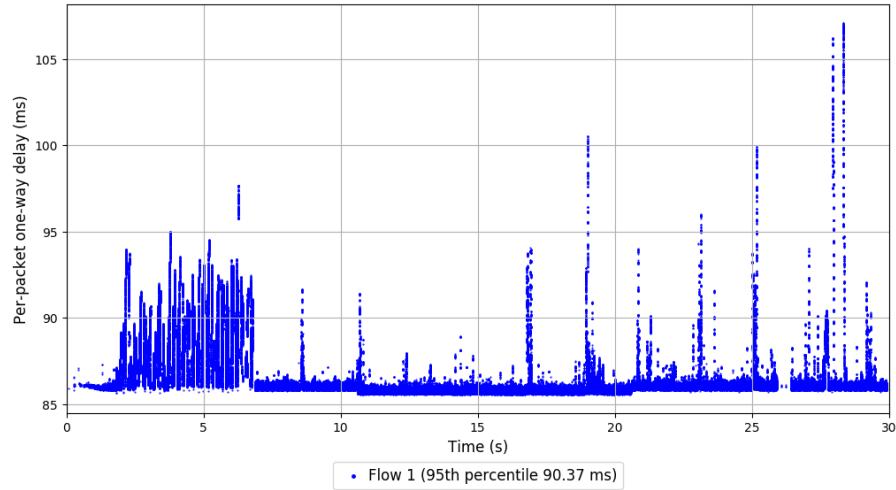
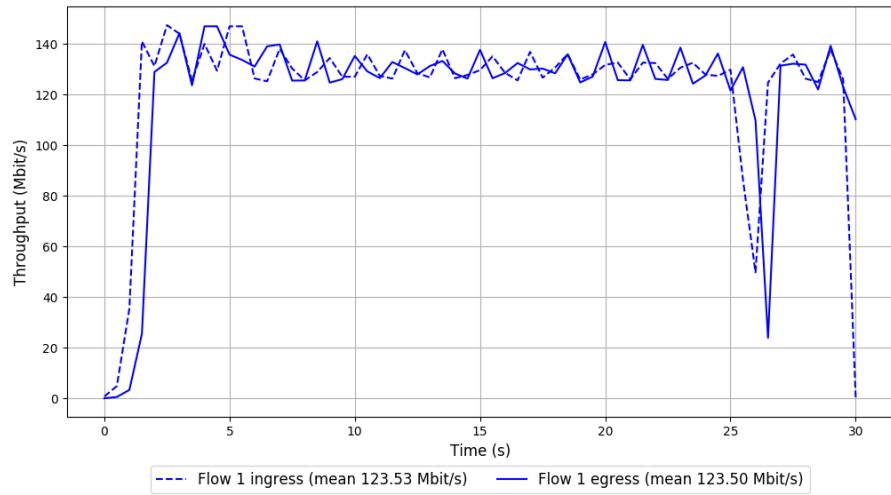
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	123.11	90.37	0.55
Copa	10	104.60	92.36	0.59
TCP Cubic	10	109.79	97.06	0.54
FillP	10	498.17	284.18	1.70
Indigo	9	187.08	88.42	0.61
LEDBAT	10	10.54	88.06	1.26
PCC-Allegro	10	274.55	129.76	1.08
PCC-Expr	10	208.11	104.60	0.93
QUIC Cubic	9	60.23	86.20	0.81
SCReAM	10	0.22	86.42	0.56
Sprout	10	0.27	86.43	0.42
TaoVA-100x	9	188.23	87.84	0.60
TCP Vegas	10	85.89	94.12	0.57
Verus	10	186.56	147.14	0.71
PCC-Vivace	10	254.71	89.20	0.80
WebRTC media	9	1.94	86.84	0.70

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-05 14:37:50
End at: 2018-06-05 14:38:20
Local clock offset: -0.319 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-05 17:58:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.50 Mbit/s
95th percentile per-packet one-way delay: 90.371 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.50 Mbit/s
95th percentile per-packet one-way delay: 90.371 ms
Loss rate: 0.60%
```

Run 1: Report of TCP BBR — Data Link

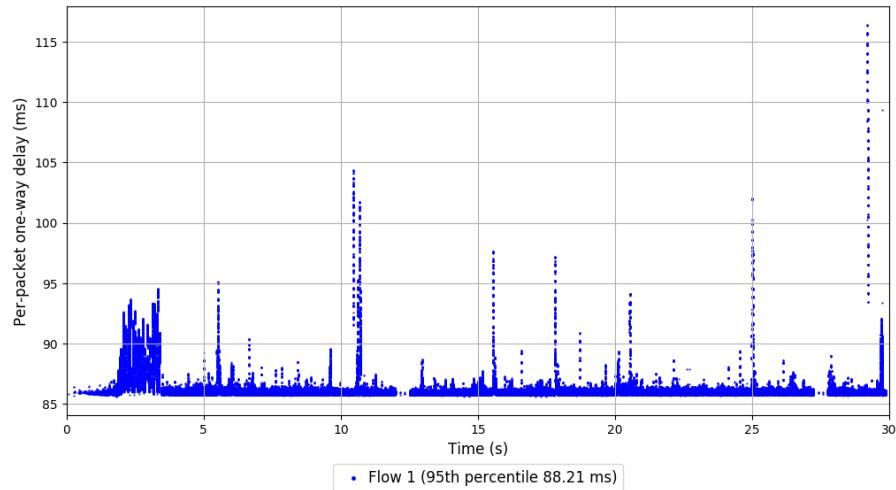
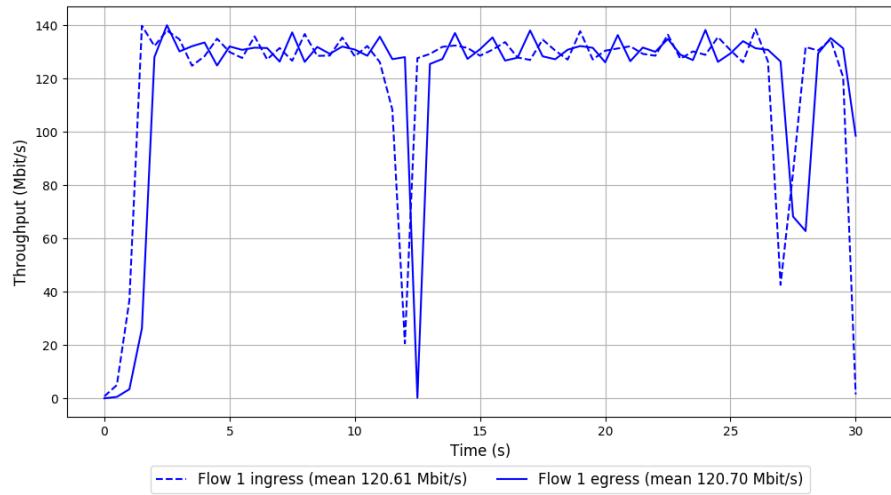


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-05 14:57:30
End at: 2018-06-05 14:58:00
Local clock offset: -0.347 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-06-05 17:58:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.70 Mbit/s
95th percentile per-packet one-way delay: 88.210 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 120.70 Mbit/s
95th percentile per-packet one-way delay: 88.210 ms
Loss rate: 0.64%
```

Run 2: Report of TCP BBR — Data Link

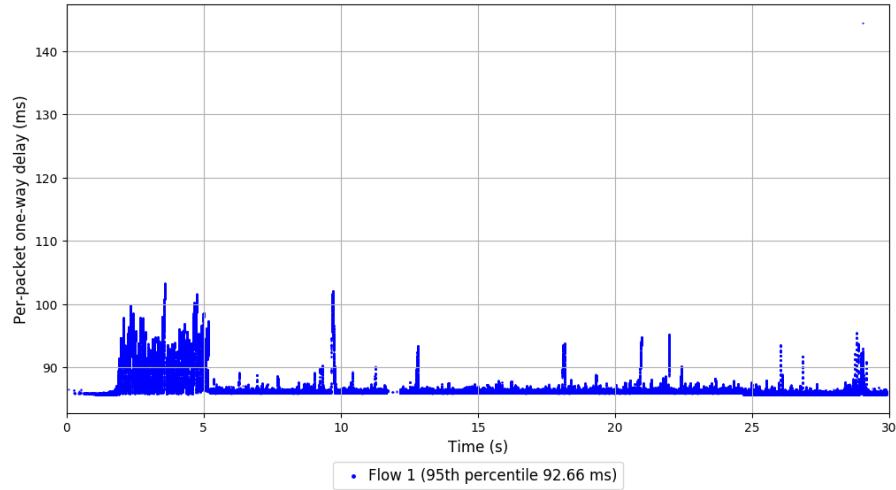
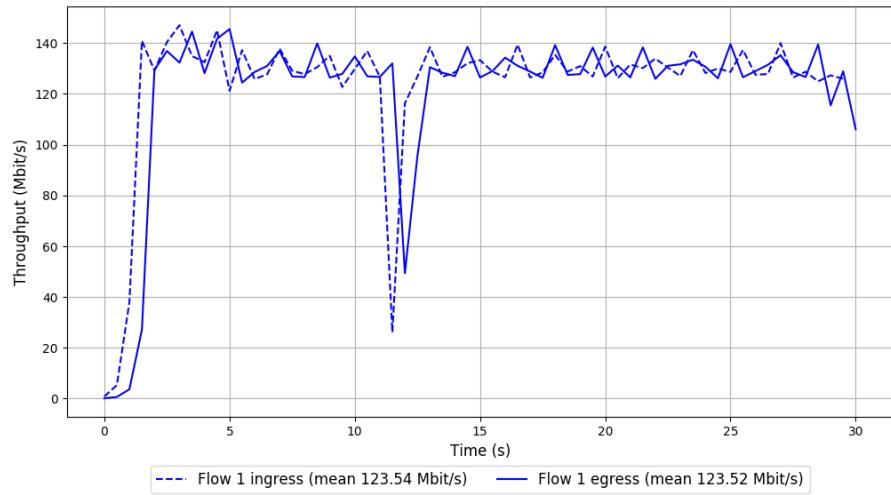


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-05 15:17:46
End at: 2018-06-05 15:18:16
Local clock offset: -0.175 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-06-05 17:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.52 Mbit/s
95th percentile per-packet one-way delay: 92.664 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.52 Mbit/s
95th percentile per-packet one-way delay: 92.664 ms
Loss rate: 0.60%
```

Run 3: Report of TCP BBR — Data Link

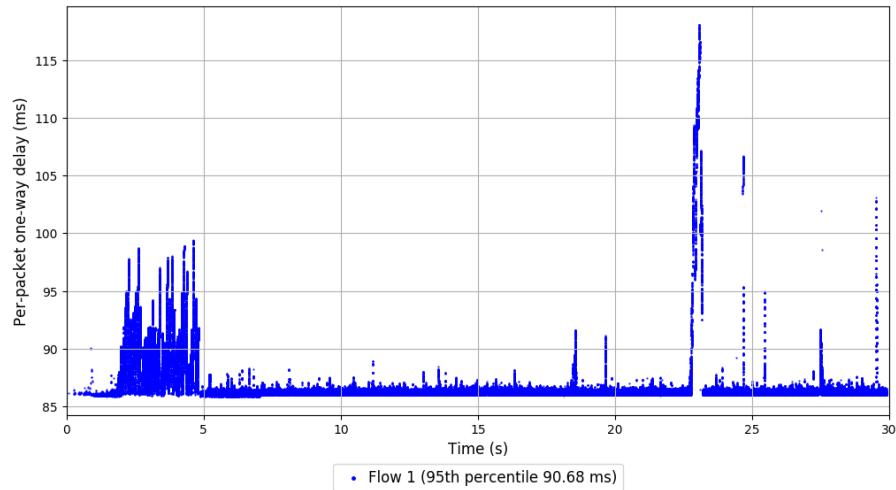
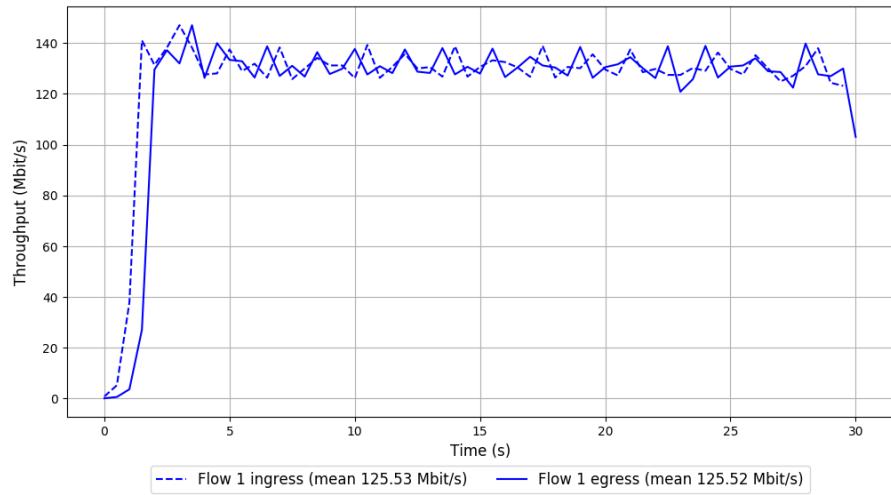


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-05 15:37:53
End at: 2018-06-05 15:38:23
Local clock offset: 0.047 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-06-05 17:58:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 125.52 Mbit/s
95th percentile per-packet one-way delay: 90.680 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 125.52 Mbit/s
95th percentile per-packet one-way delay: 90.680 ms
Loss rate: 0.59%
```

Run 4: Report of TCP BBR — Data Link

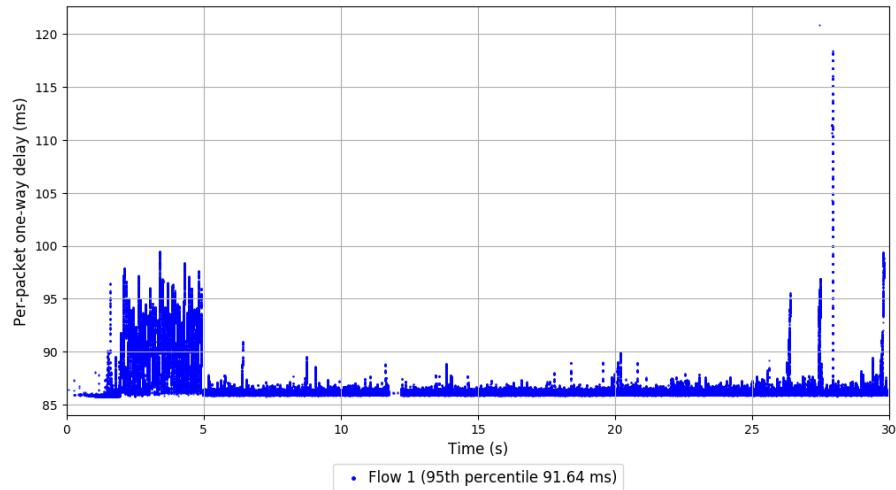
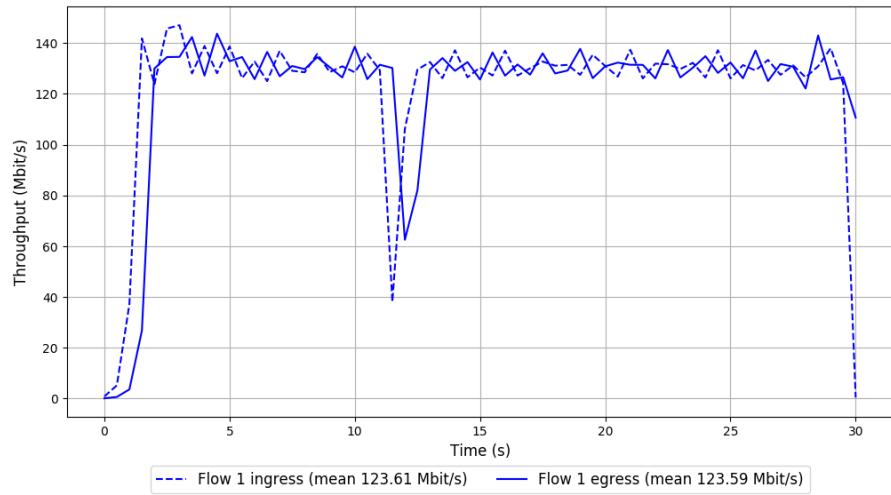


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-05 15:57:57
End at: 2018-06-05 15:58:27
Local clock offset: -0.085 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-06-05 17:58:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.59 Mbit/s
95th percentile per-packet one-way delay: 91.644 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.59 Mbit/s
95th percentile per-packet one-way delay: 91.644 ms
Loss rate: 0.60%
```

Run 5: Report of TCP BBR — Data Link

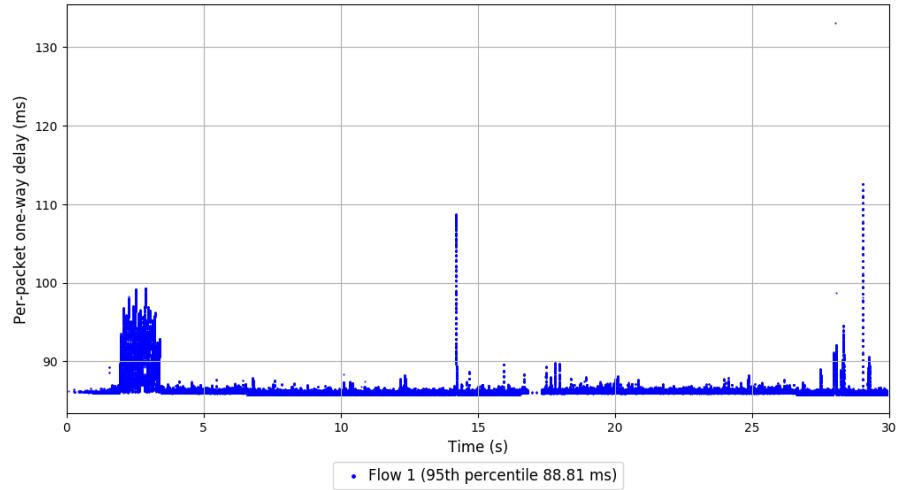
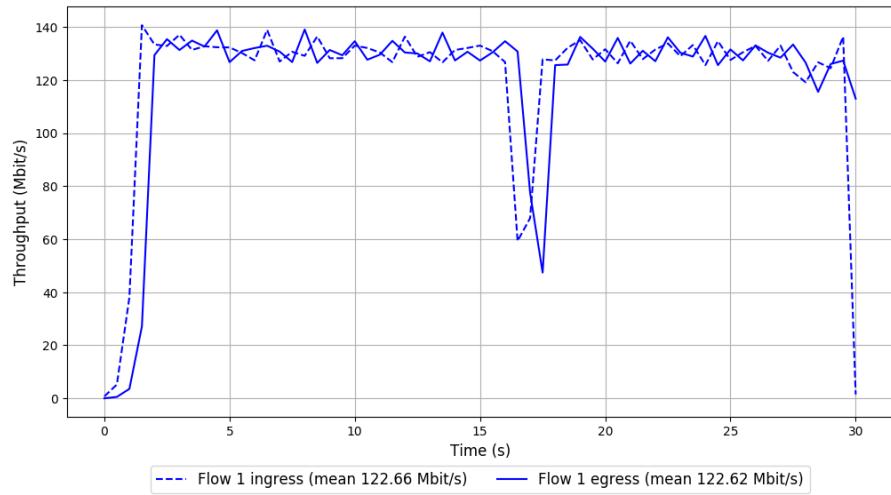


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-05 16:18:04
End at: 2018-06-05 16:18:34
Local clock offset: -0.009 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-06-05 17:58:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.62 Mbit/s
95th percentile per-packet one-way delay: 88.806 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 122.62 Mbit/s
95th percentile per-packet one-way delay: 88.806 ms
Loss rate: 0.60%
```

Run 6: Report of TCP BBR — Data Link

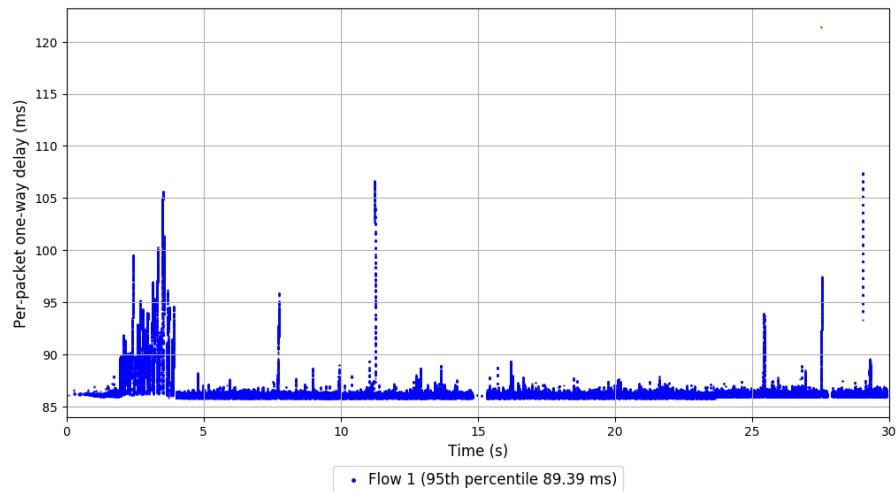
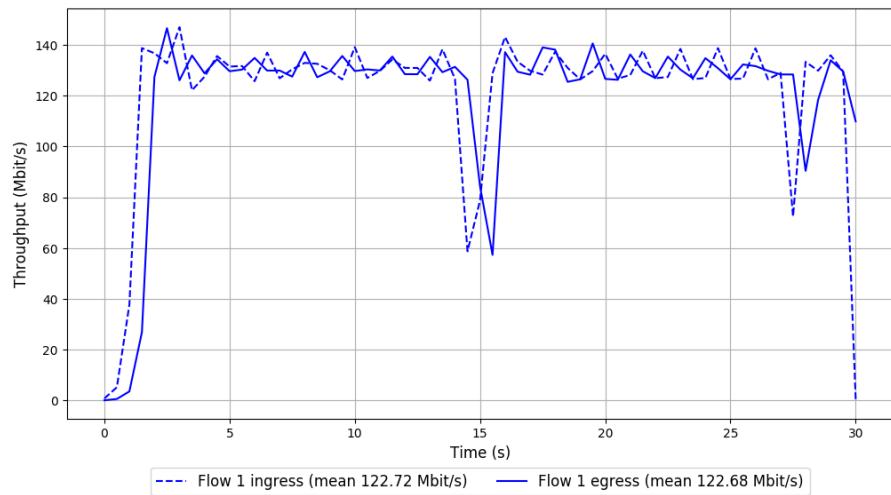


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-05 16:38:07
End at: 2018-06-05 16:38:37
Local clock offset: 0.008 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2018-06-05 17:58:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.68 Mbit/s
95th percentile per-packet one-way delay: 89.387 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 122.68 Mbit/s
95th percentile per-packet one-way delay: 89.387 ms
Loss rate: 0.61%
```

Run 7: Report of TCP BBR — Data Link

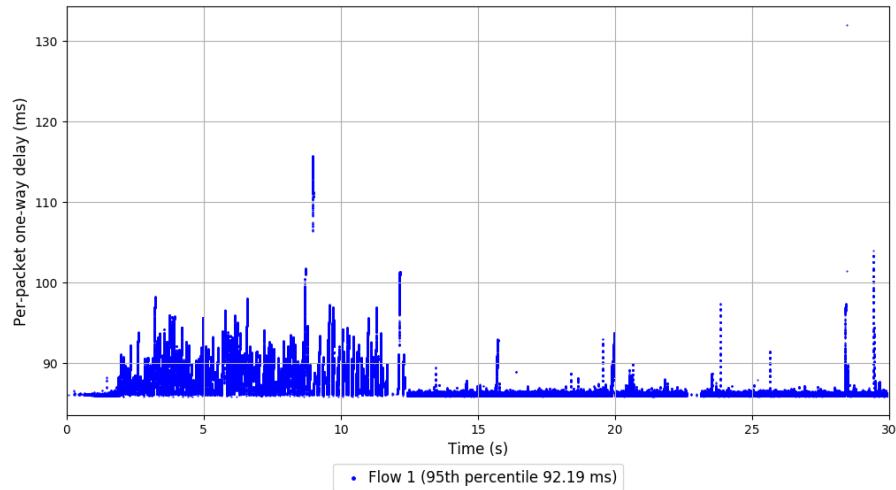
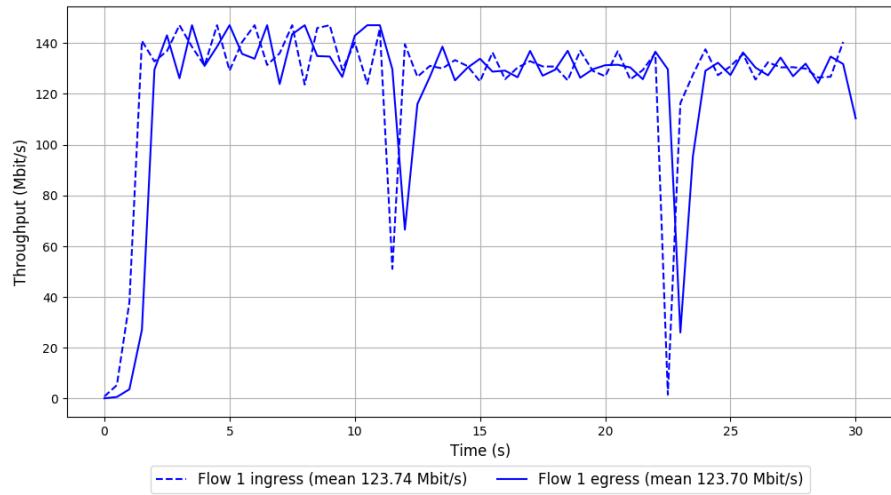


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-05 16:58:09
End at: 2018-06-05 16:58:39
Local clock offset: -0.044 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-06-05 17:58:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.70 Mbit/s
95th percentile per-packet one-way delay: 92.188 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 123.70 Mbit/s
95th percentile per-packet one-way delay: 92.188 ms
Loss rate: 0.62%
```

Run 8: Report of TCP BBR — Data Link

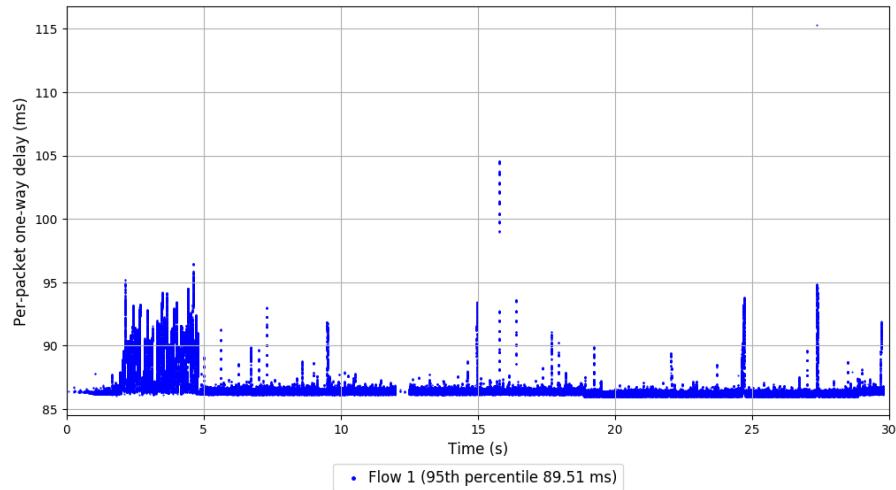
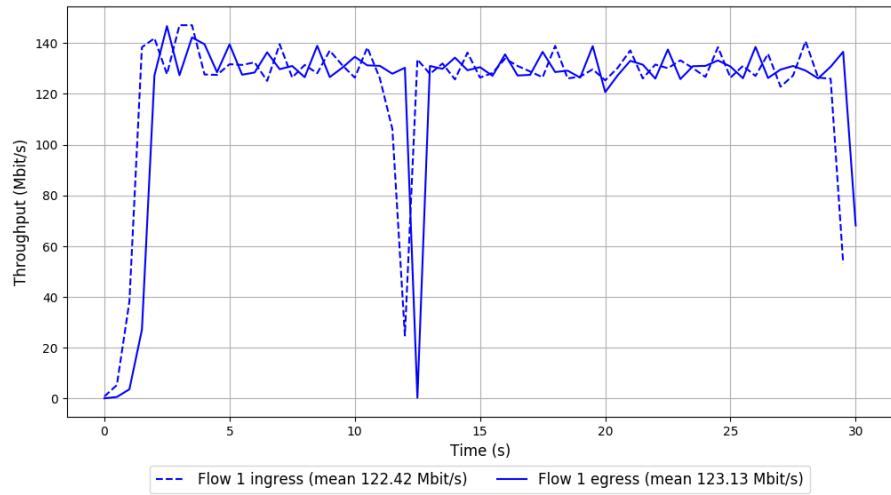


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-05 17:18:31
End at: 2018-06-05 17:19:01
Local clock offset: 0.273 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-05 18:00:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.13 Mbit/s
95th percentile per-packet one-way delay: 89.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.13 Mbit/s
95th percentile per-packet one-way delay: 89.509 ms
Loss rate: 0.00%
```

Run 9: Report of TCP BBR — Data Link

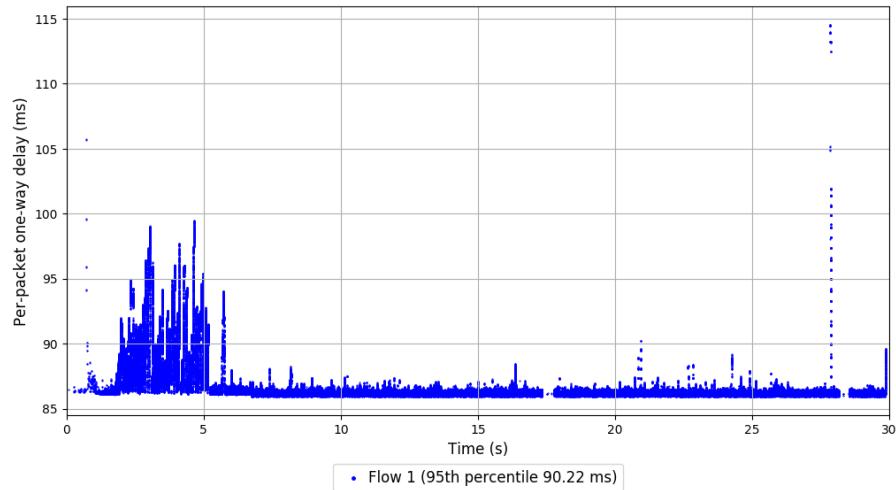
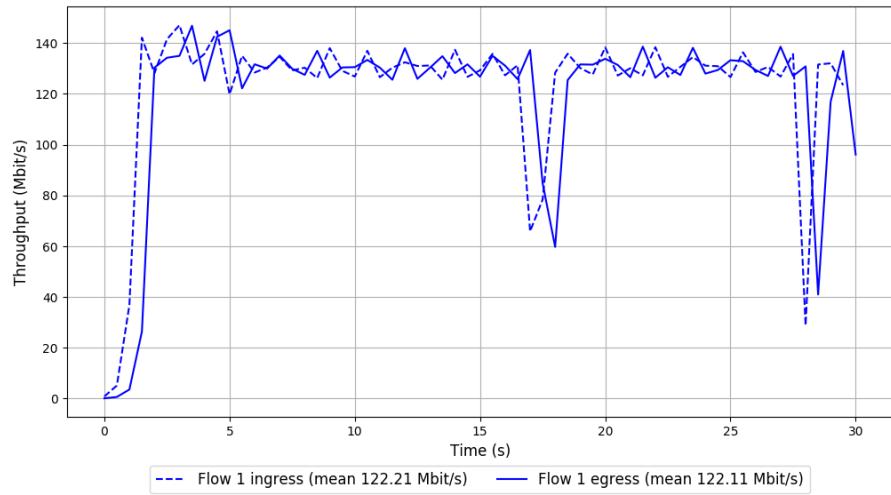


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-05 17:38:44
End at: 2018-06-05 17:39:14
Local clock offset: 0.255 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-06-05 18:00:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.11 Mbit/s
95th percentile per-packet one-way delay: 90.221 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 122.11 Mbit/s
95th percentile per-packet one-way delay: 90.221 ms
Loss rate: 0.65%
```

Run 10: Report of TCP BBR — Data Link

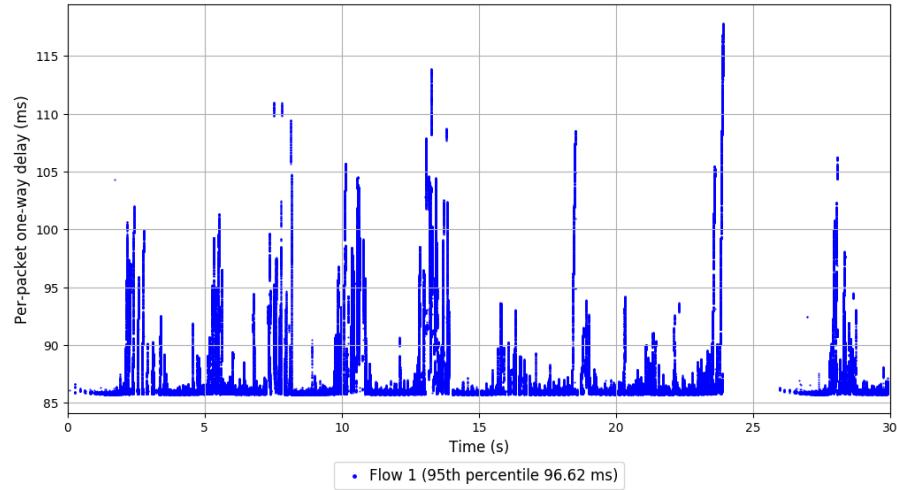
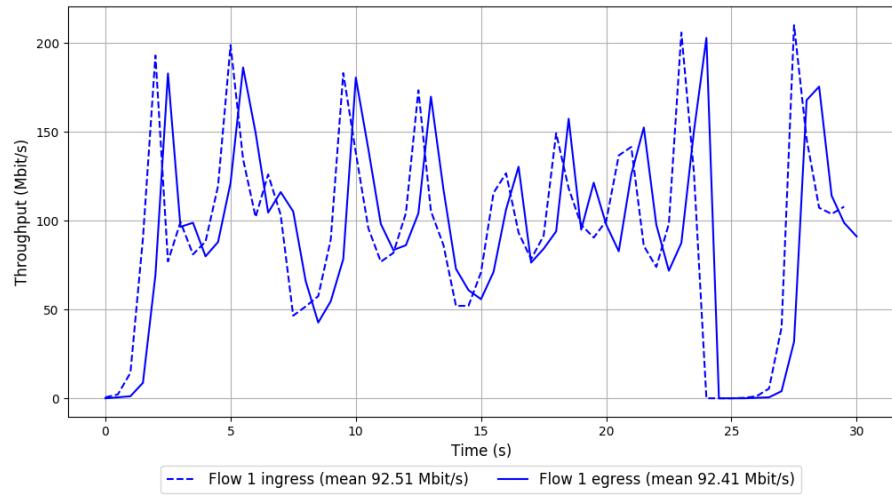


Run 1: Statistics of Copa

```
Start at: 2018-06-05 14:47:22
End at: 2018-06-05 14:47:52
Local clock offset: -0.16 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-06-05 18:01:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 96.620 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 96.620 ms
Loss rate: 0.68%
```

Run 1: Report of Copa — Data Link

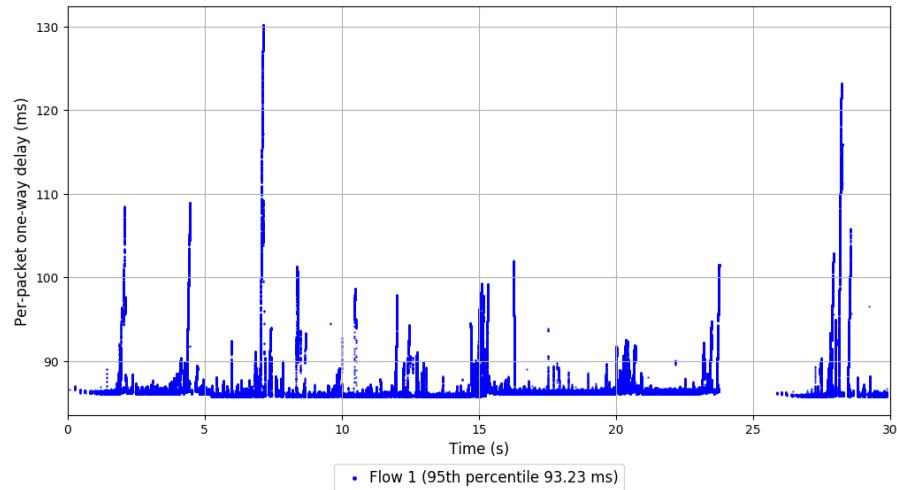
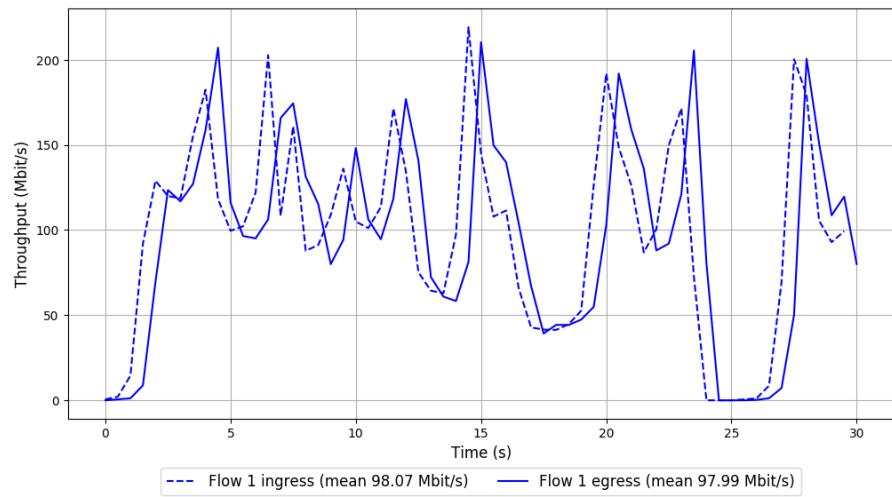


Run 2: Statistics of Copa

```
Start at: 2018-06-05 15:07:25
End at: 2018-06-05 15:07:55
Local clock offset: -0.057 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-05 18:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.99 Mbit/s
95th percentile per-packet one-way delay: 93.228 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 97.99 Mbit/s
95th percentile per-packet one-way delay: 93.228 ms
Loss rate: 0.65%
```

Run 2: Report of Copa — Data Link

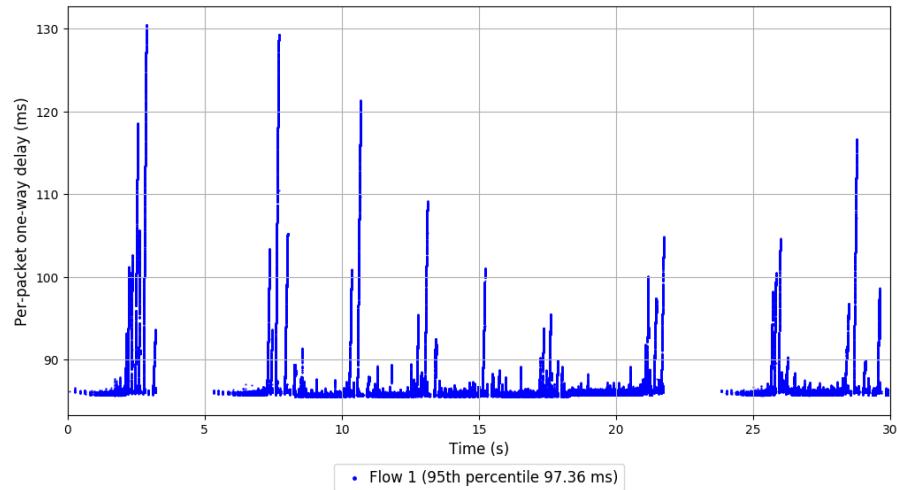
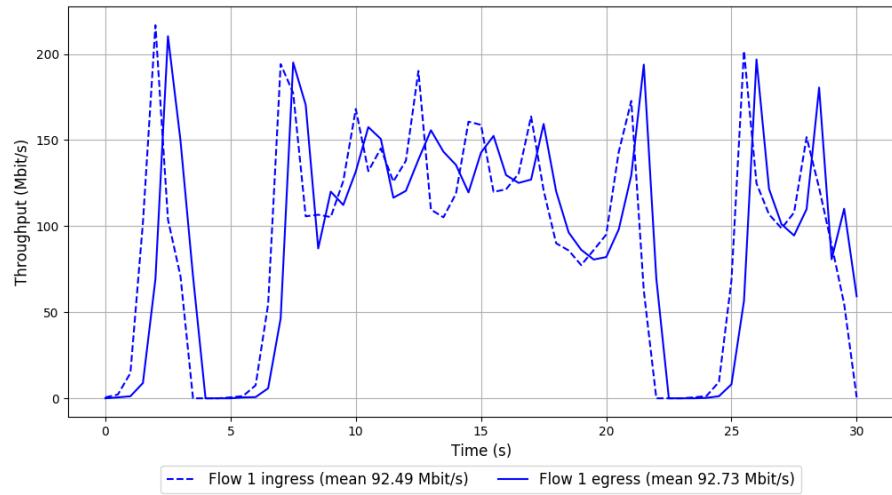


Run 3: Statistics of Copa

```
Start at: 2018-06-05 15:27:42
End at: 2018-06-05 15:28:12
Local clock offset: -0.264 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-06-05 18:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 97.359 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 97.359 ms
Loss rate: 0.32%
```

Run 3: Report of Copa — Data Link

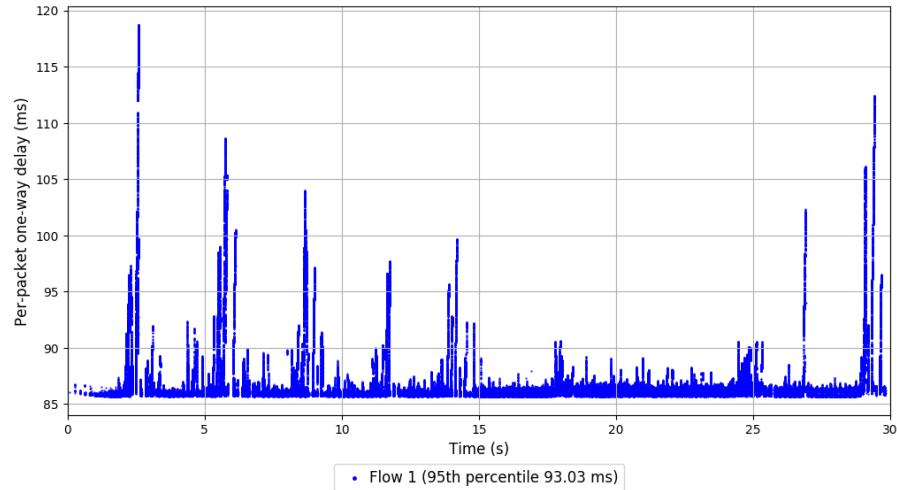
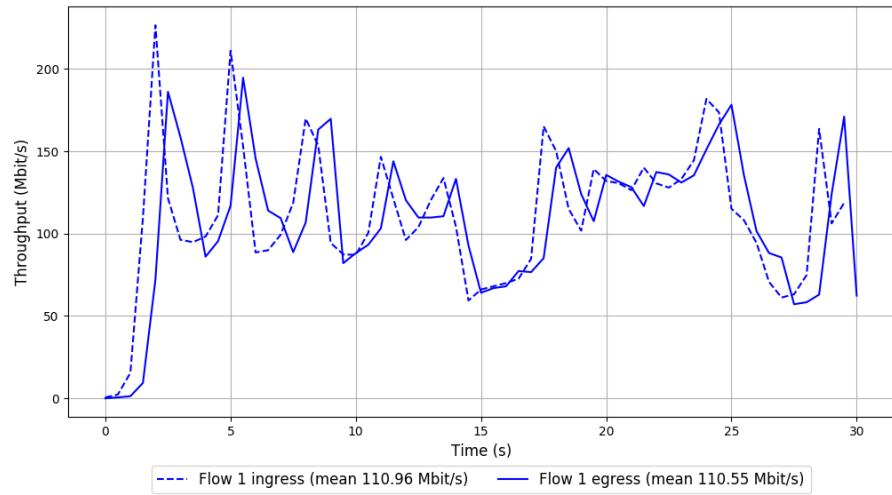


Run 4: Statistics of Copa

```
Start at: 2018-06-05 15:47:56
End at: 2018-06-05 15:48:26
Local clock offset: -0.1 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-06-05 18:01:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.55 Mbit/s
95th percentile per-packet one-way delay: 93.032 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 110.55 Mbit/s
95th percentile per-packet one-way delay: 93.032 ms
Loss rate: 0.85%
```

Run 4: Report of Copa — Data Link

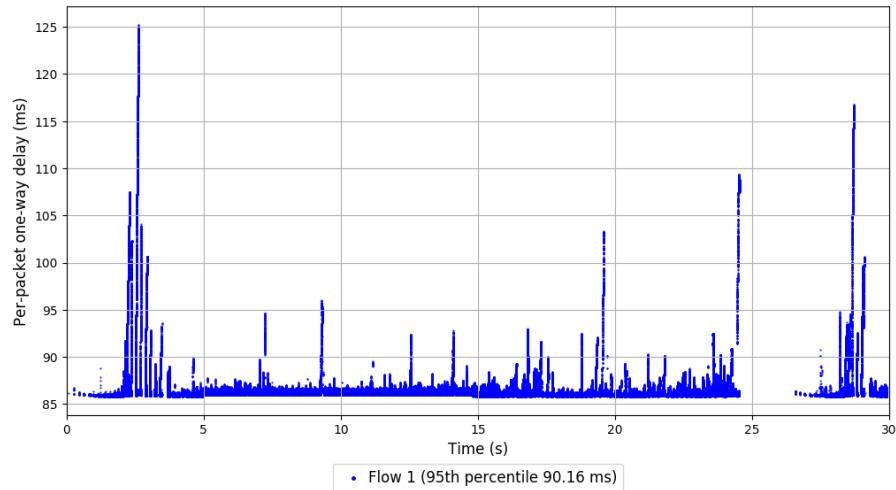
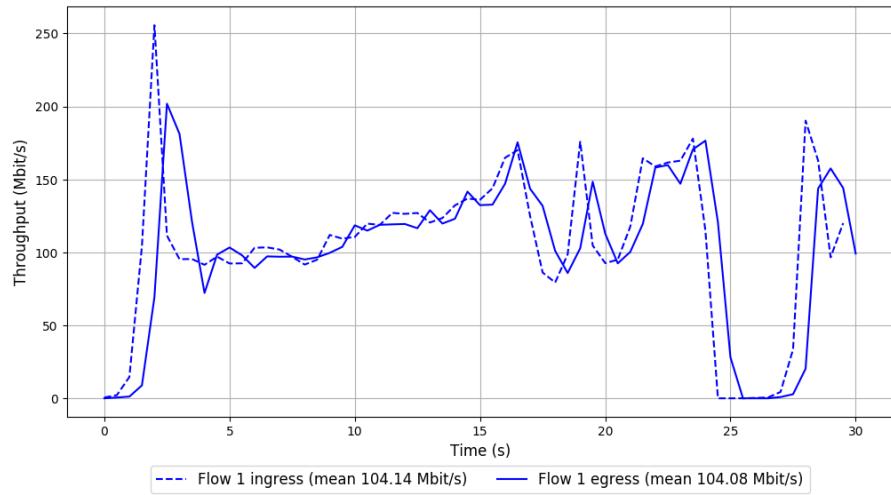


Run 5: Statistics of Copa

```
Start at: 2018-06-05 16:07:45
End at: 2018-06-05 16:08:15
Local clock offset: 0.042 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-05 18:01:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.08 Mbit/s
95th percentile per-packet one-way delay: 90.162 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 104.08 Mbit/s
95th percentile per-packet one-way delay: 90.162 ms
Loss rate: 0.64%
```

Run 5: Report of Copa — Data Link

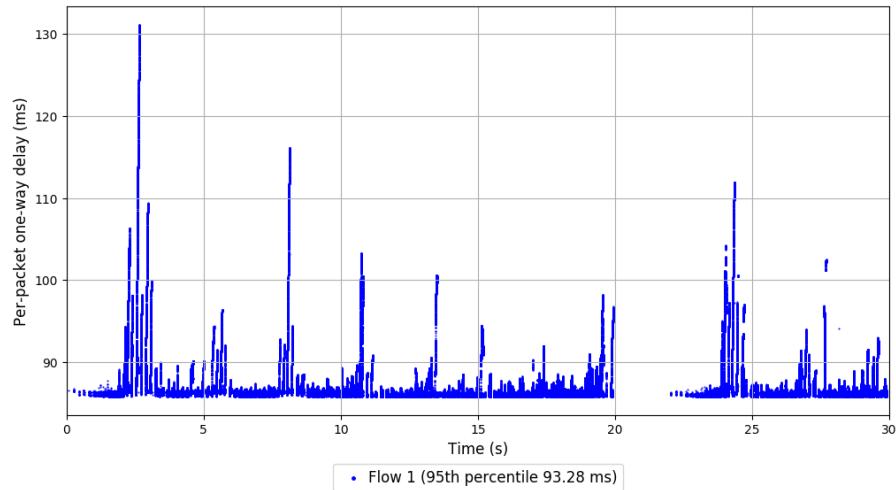
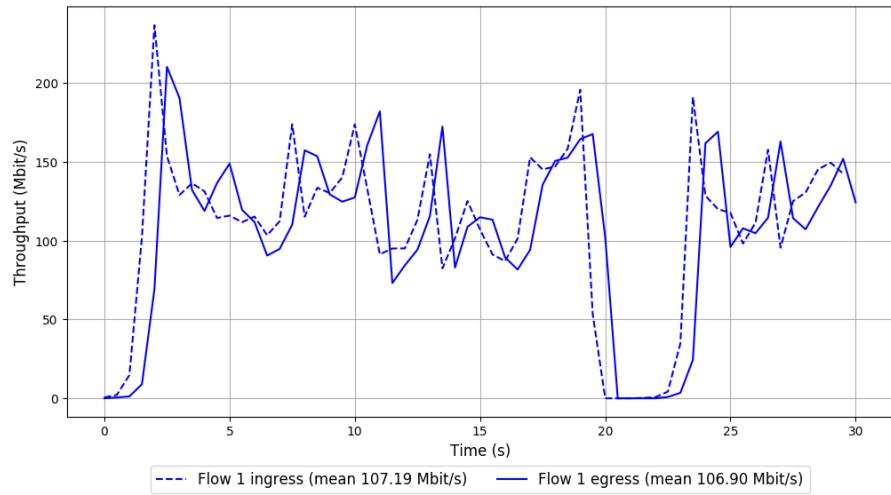


Run 6: Statistics of Copa

```
Start at: 2018-06-05 16:27:50
End at: 2018-06-05 16:28:20
Local clock offset: 0.058 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-06-05 18:01:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.90 Mbit/s
95th percentile per-packet one-way delay: 93.277 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 106.90 Mbit/s
95th percentile per-packet one-way delay: 93.277 ms
Loss rate: 0.83%
```

Run 6: Report of Copa — Data Link

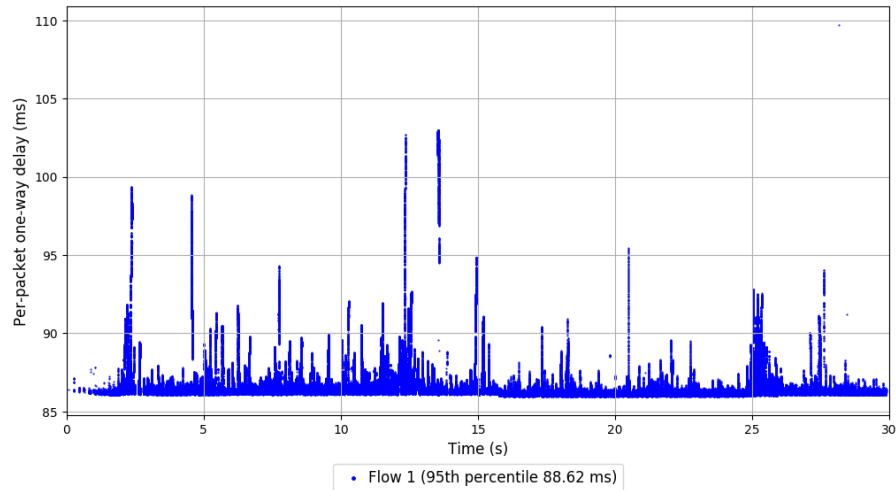
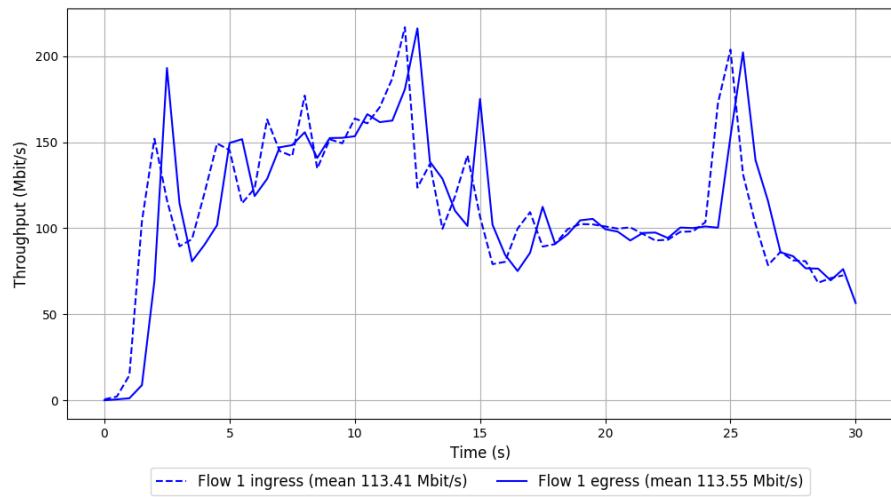


Run 7: Statistics of Copa

```
Start at: 2018-06-05 16:48:04
End at: 2018-06-05 16:48:34
Local clock offset: 0.207 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2018-06-05 18:04:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.55 Mbit/s
95th percentile per-packet one-way delay: 88.618 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 113.55 Mbit/s
95th percentile per-packet one-way delay: 88.618 ms
Loss rate: 0.38%
```

Run 7: Report of Copa — Data Link

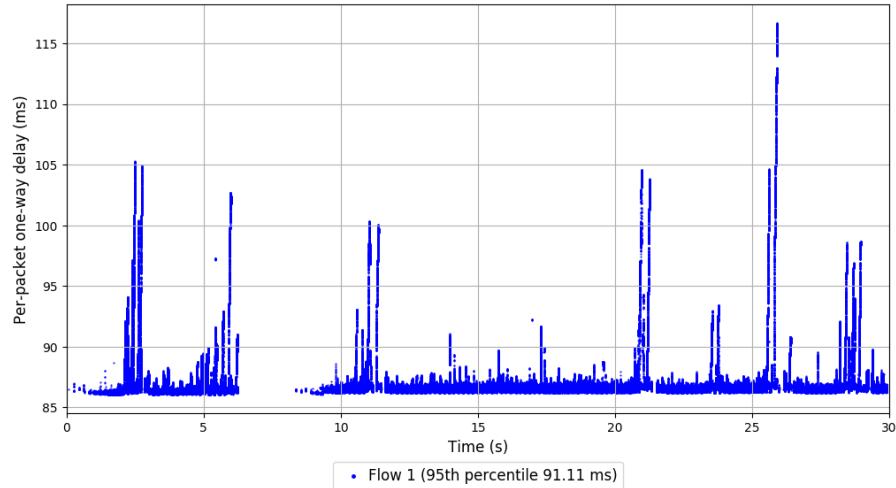
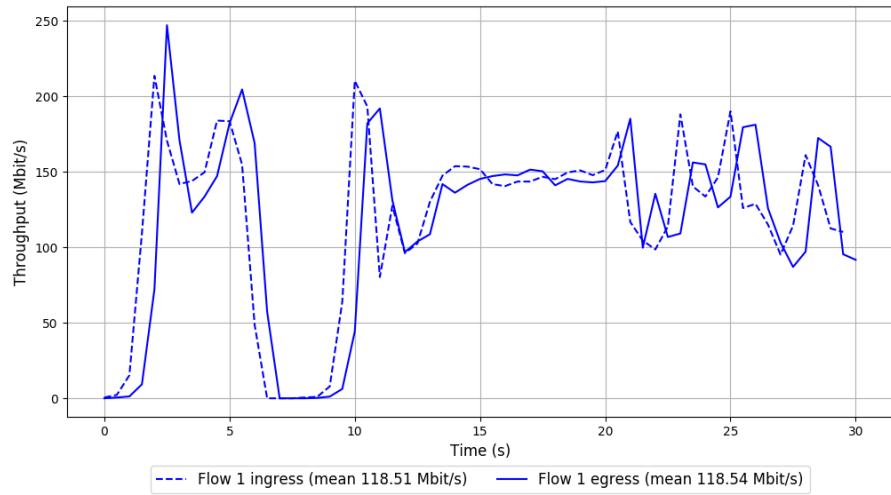


Run 8: Statistics of Copa

```
Start at: 2018-06-05 17:08:11
End at: 2018-06-05 17:08:41
Local clock offset: 0.334 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-06-05 18:04:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.54 Mbit/s
95th percentile per-packet one-way delay: 91.112 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 118.54 Mbit/s
95th percentile per-packet one-way delay: 91.112 ms
Loss rate: 0.55%
```

Run 8: Report of Copa — Data Link

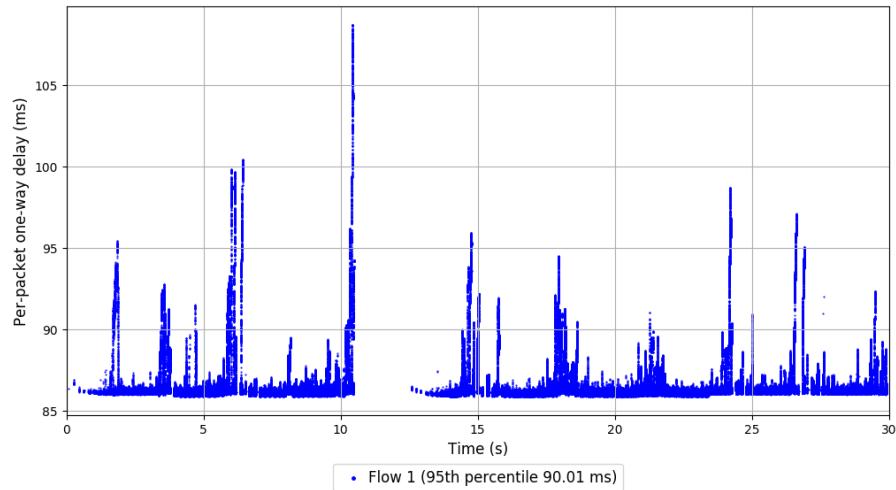
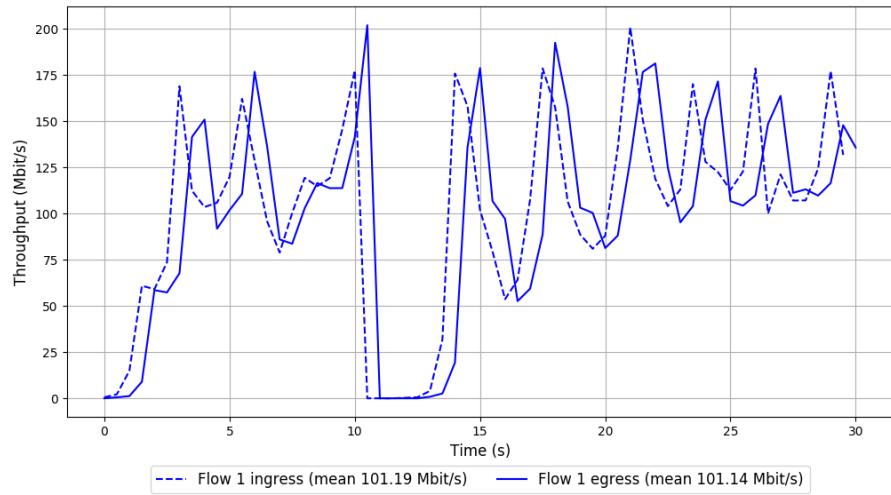


Run 9: Statistics of Copa

```
Start at: 2018-06-05 17:28:27
End at: 2018-06-05 17:28:57
Local clock offset: 0.196 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-05 18:04:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.14 Mbit/s
95th percentile per-packet one-way delay: 90.012 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 101.14 Mbit/s
95th percentile per-packet one-way delay: 90.012 ms
Loss rate: 0.63%
```

Run 9: Report of Copa — Data Link

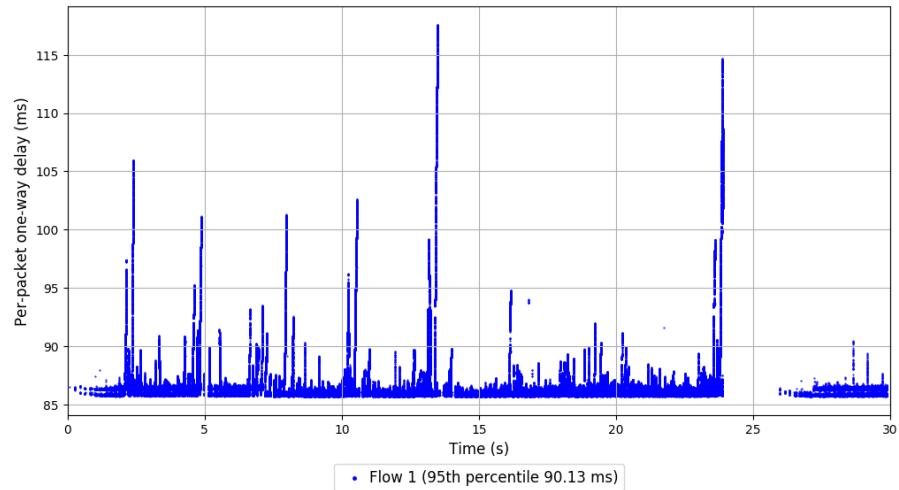
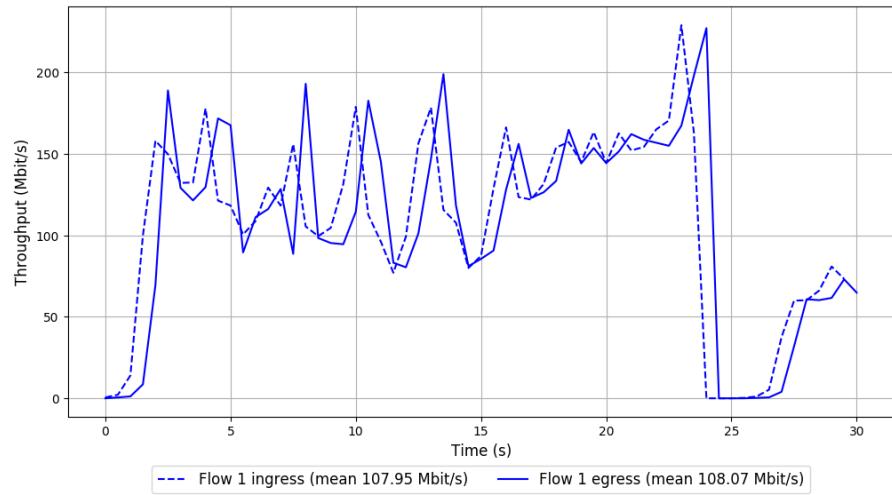


Run 10: Statistics of Copa

```
Start at: 2018-06-05 17:48:43
End at: 2018-06-05 17:49:13
Local clock offset: 0.018 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-06-05 18:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.07 Mbit/s
95th percentile per-packet one-way delay: 90.133 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 108.07 Mbit/s
95th percentile per-packet one-way delay: 90.133 ms
Loss rate: 0.42%
```

Run 10: Report of Copa — Data Link

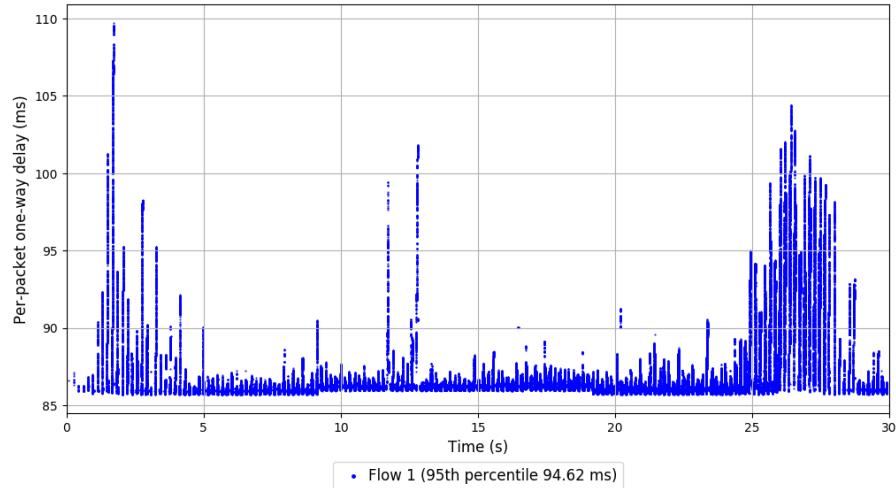
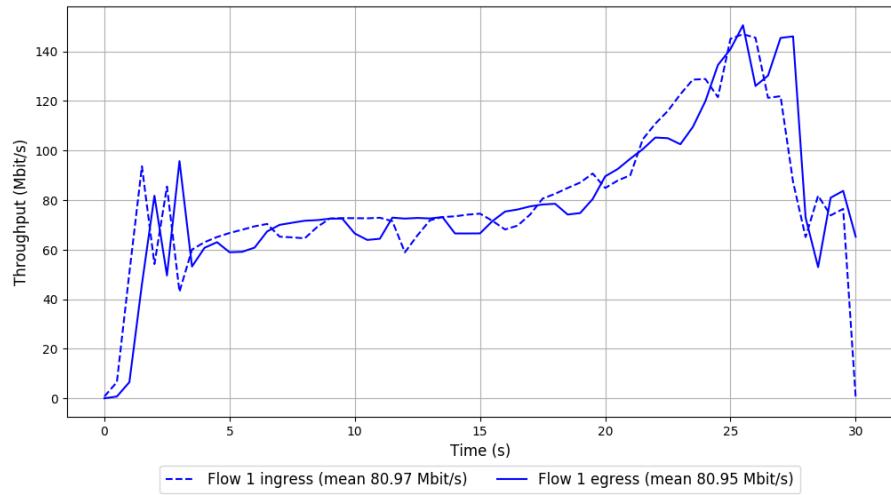


```
Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 14:32:51
End at: 2018-06-05 14:33:21
Local clock offset: -0.248 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-06-05 18:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.95 Mbit/s
95th percentile per-packet one-way delay: 94.616 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 80.95 Mbit/s
95th percentile per-packet one-way delay: 94.616 ms
Loss rate: 0.60%
```

Run 1: Report of TCP Cubic — Data Link

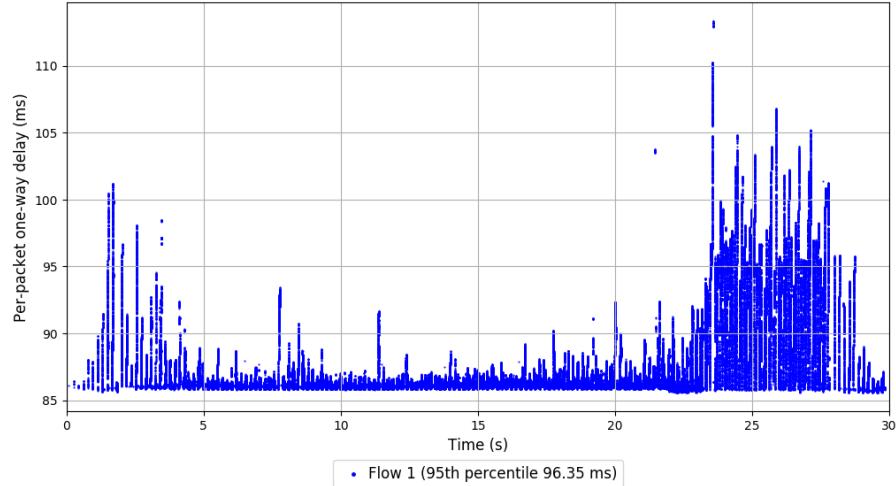
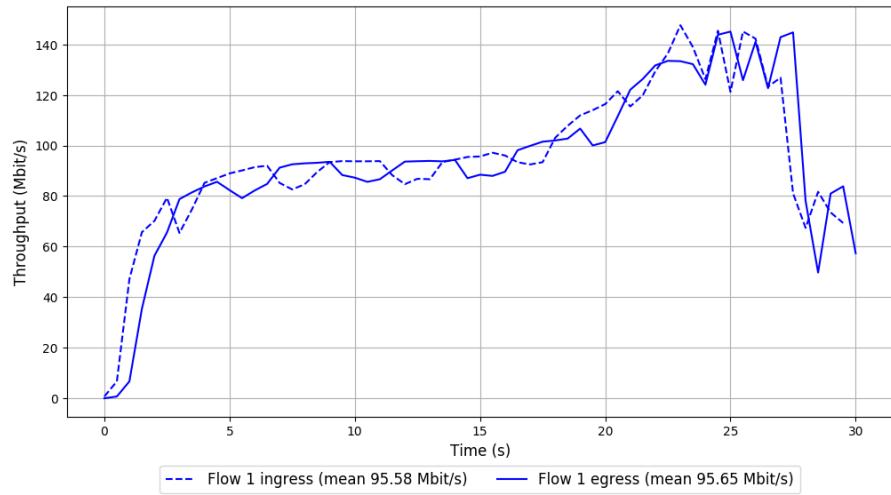


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-05 14:52:28
End at: 2018-06-05 14:52:58
Local clock offset: -0.272 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-05 18:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 96.348 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 96.348 ms
Loss rate: 0.51%
```

Run 2: Report of TCP Cubic — Data Link

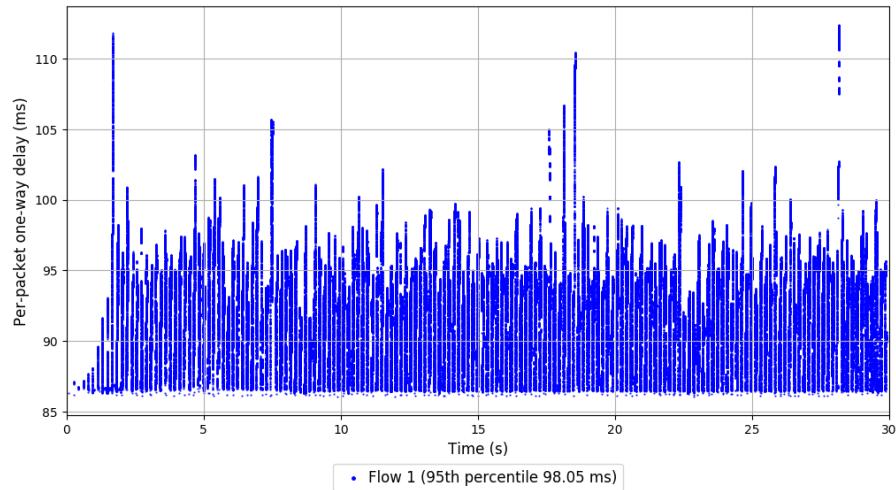
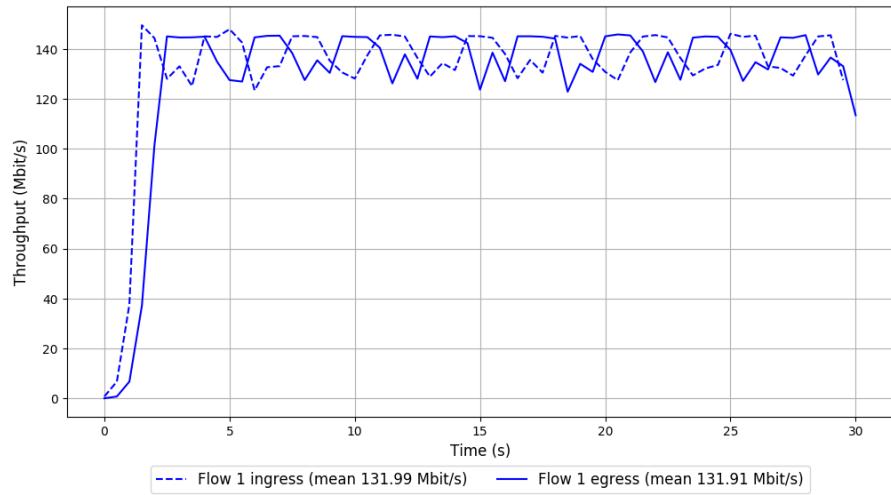


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 15:12:31
End at: 2018-06-05 15:13:01
Local clock offset: 0.158 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-06-05 18:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.91 Mbit/s
95th percentile per-packet one-way delay: 98.052 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 131.91 Mbit/s
95th percentile per-packet one-way delay: 98.052 ms
Loss rate: 0.64%
```

Run 3: Report of TCP Cubic — Data Link

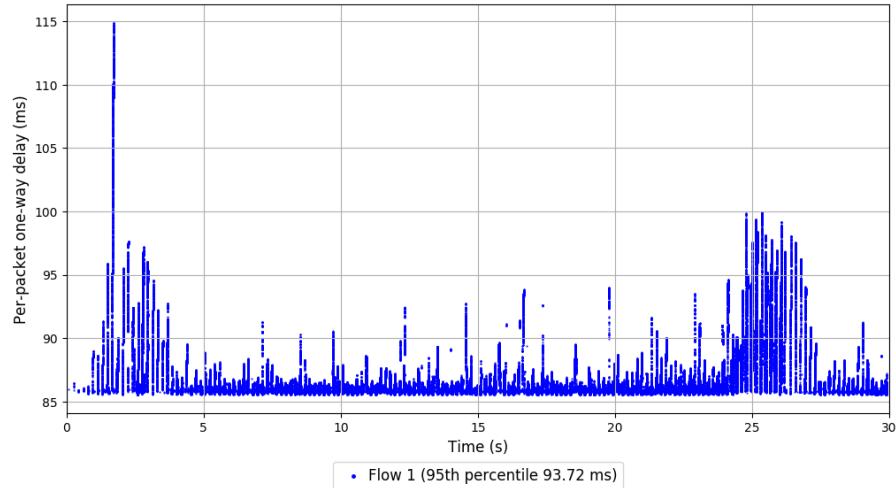
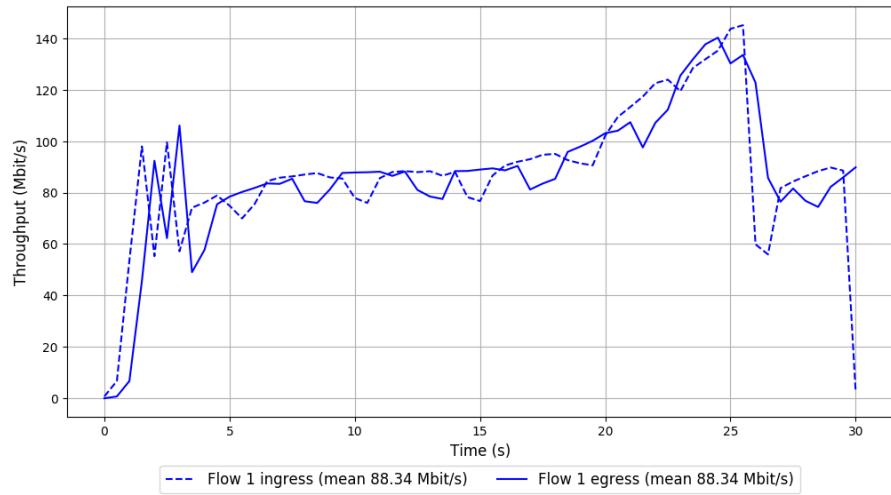


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-05 15:32:49
End at: 2018-06-05 15:33:19
Local clock offset: -0.274 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-06-05 18:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 93.717 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 93.717 ms
Loss rate: 0.58%
```

Run 4: Report of TCP Cubic — Data Link

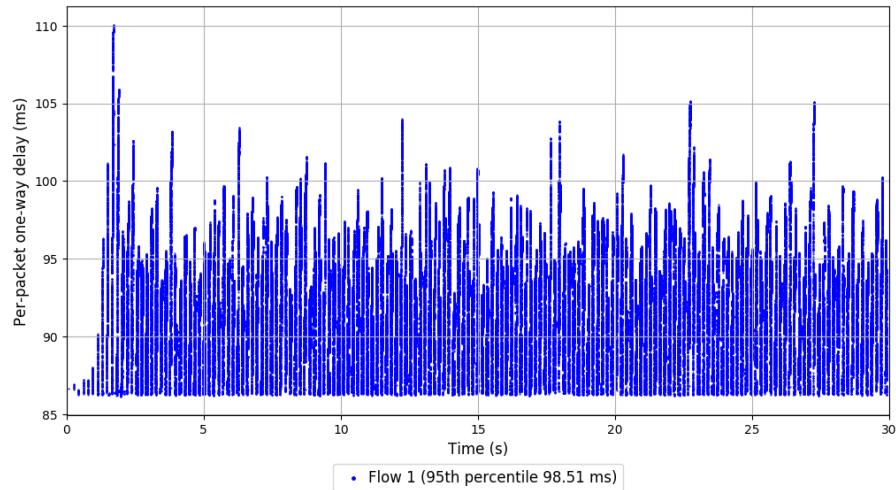
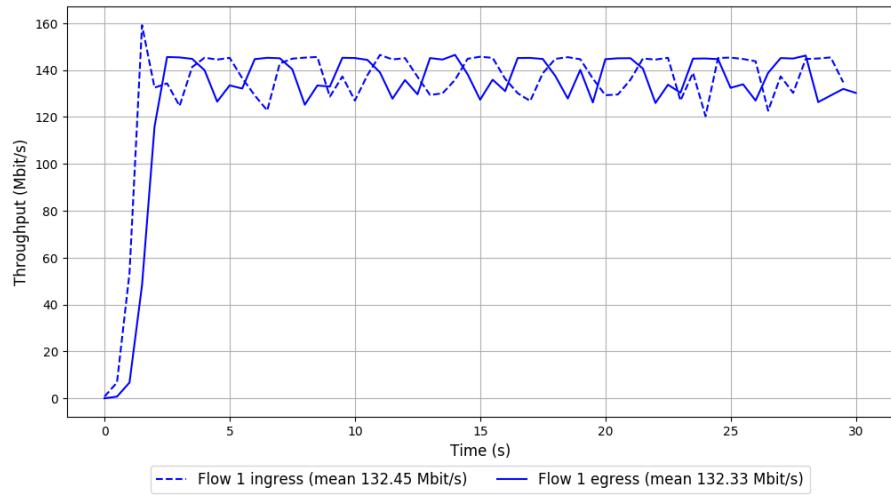


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-05 15:53:00
End at: 2018-06-05 15:53:30
Local clock offset: 0.13 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-05 18:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.33 Mbit/s
95th percentile per-packet one-way delay: 98.511 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 132.33 Mbit/s
95th percentile per-packet one-way delay: 98.511 ms
Loss rate: 0.67%
```

Run 5: Report of TCP Cubic — Data Link

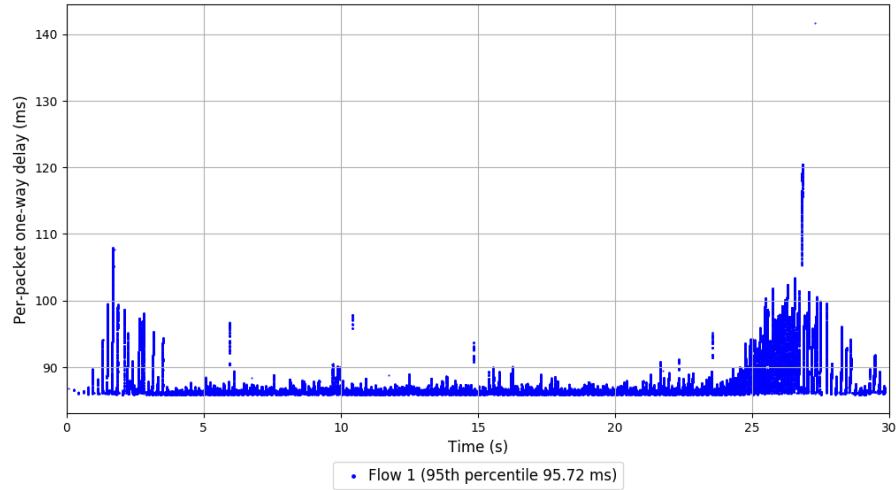
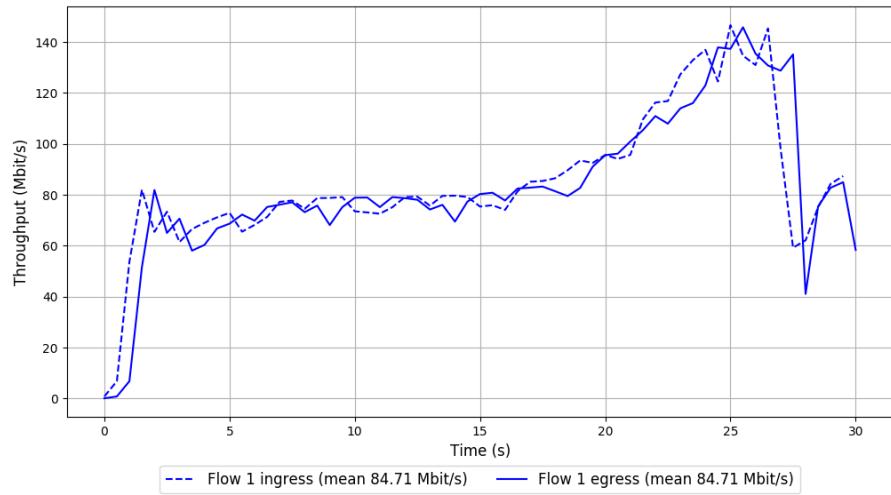


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-05 16:12:51
End at: 2018-06-05 16:13:21
Local clock offset: 0.094 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-05 18:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 95.725 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 95.725 ms
Loss rate: 0.58%
```

Run 6: Report of TCP Cubic — Data Link

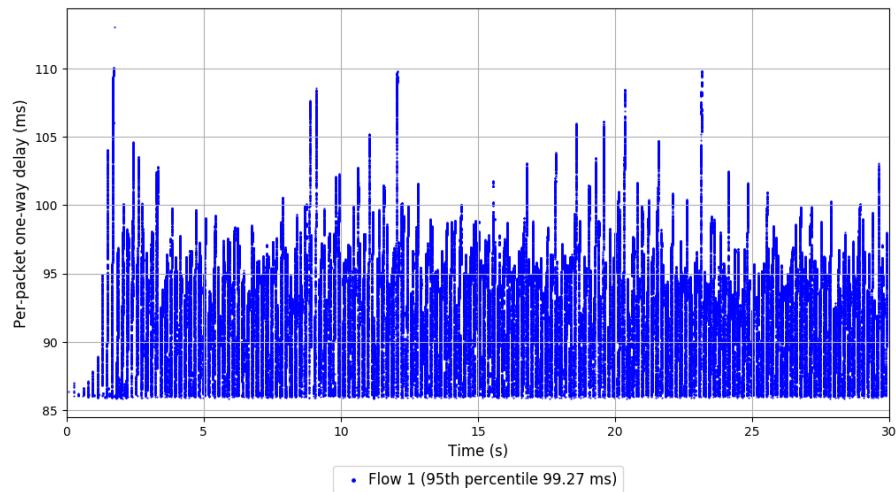
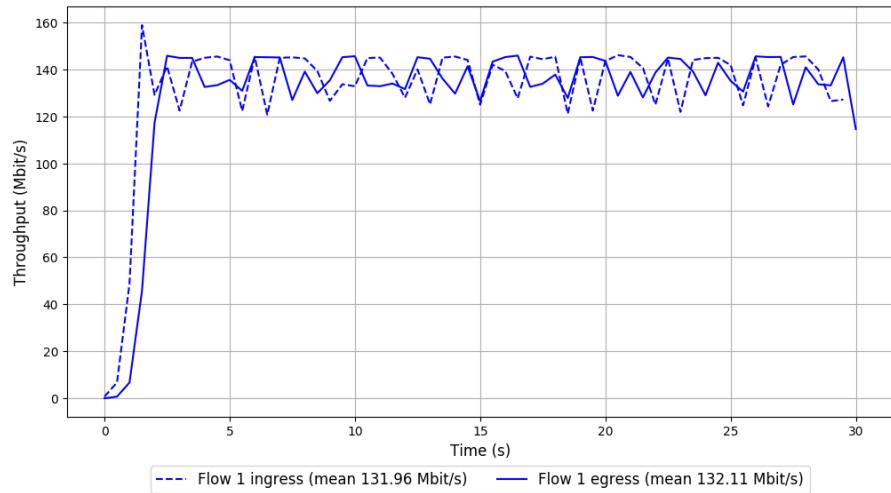


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-05 16:32:57
End at: 2018-06-05 16:33:27
Local clock offset: 0.08 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-06-05 18:05:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.11 Mbit/s
95th percentile per-packet one-way delay: 99.273 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 132.11 Mbit/s
95th percentile per-packet one-way delay: 99.273 ms
Loss rate: 0.46%
```

Run 7: Report of TCP Cubic — Data Link

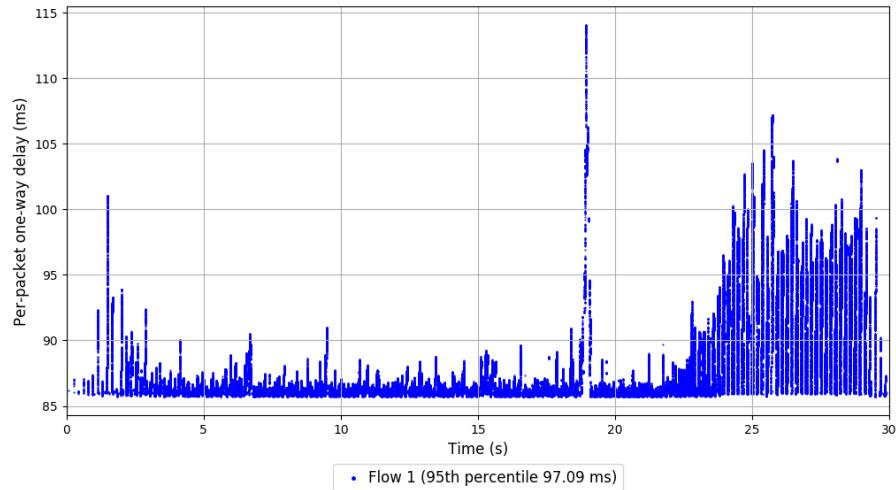
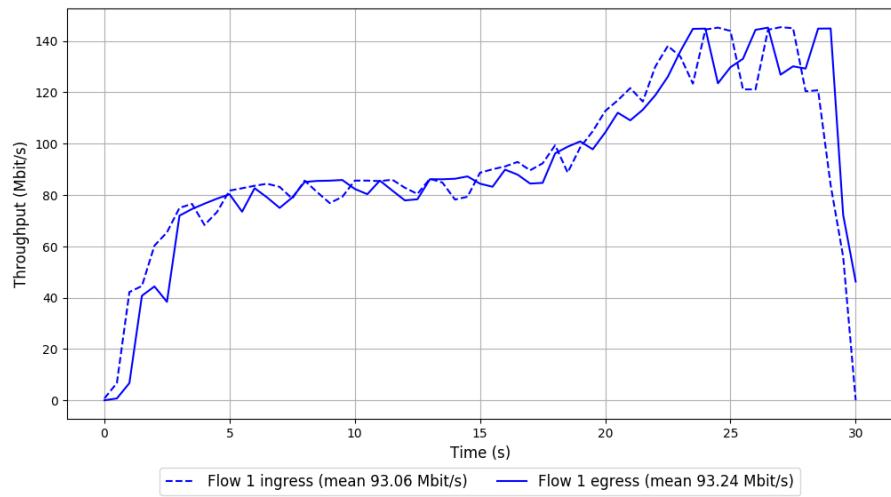


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-05 16:53:07
End at: 2018-06-05 16:53:37
Local clock offset: -0.013 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-06-05 18:05:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 97.095 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 97.095 ms
Loss rate: 0.38%
```

Run 8: Report of TCP Cubic — Data Link

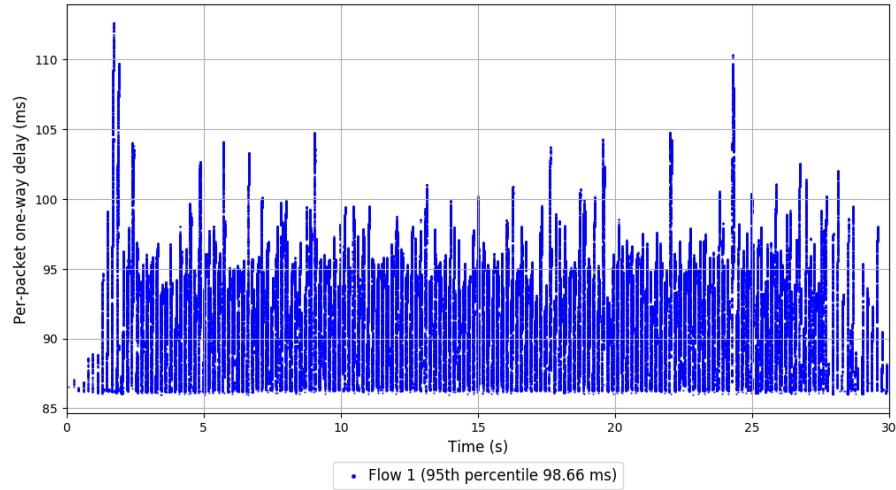
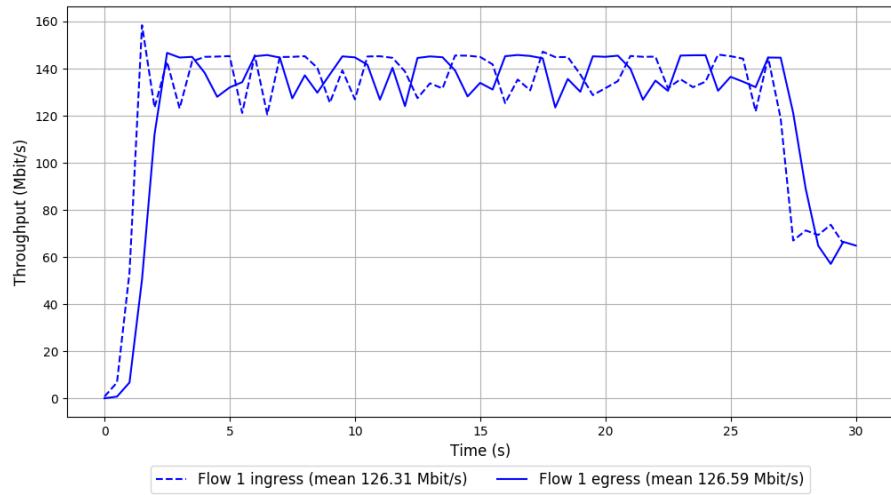


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-05 17:13:18
End at: 2018-06-05 17:13:48
Local clock offset: 0.149 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-06-05 18:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.59 Mbit/s
95th percentile per-packet one-way delay: 98.661 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 126.59 Mbit/s
95th percentile per-packet one-way delay: 98.661 ms
Loss rate: 0.35%
```

Run 9: Report of TCP Cubic — Data Link

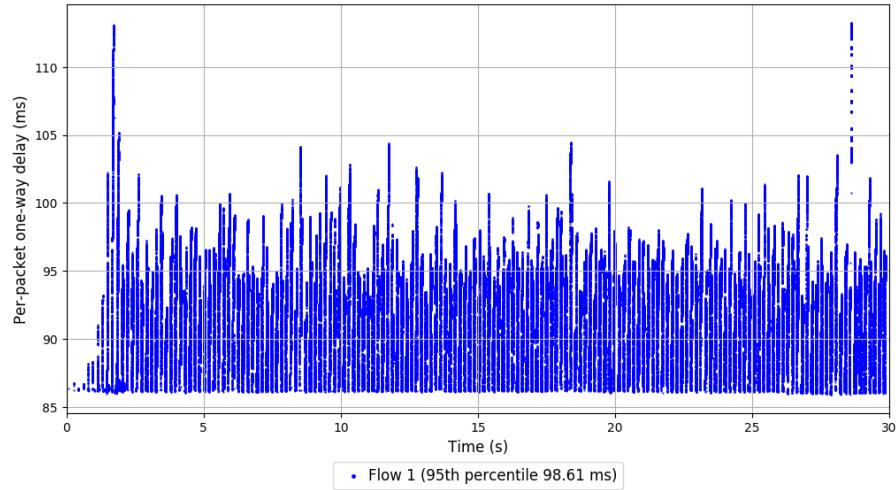
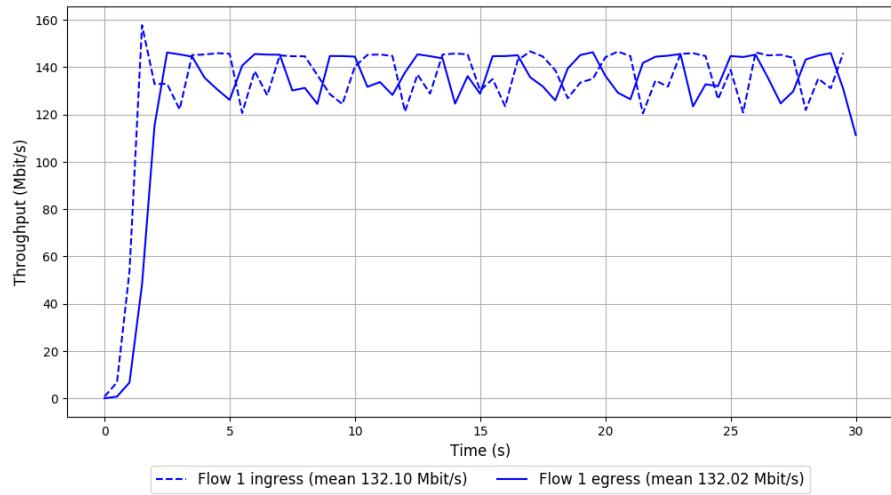


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 17:33:34
End at: 2018-06-05 17:34:04
Local clock offset: 0.106 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-06-05 18:06:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.02 Mbit/s
95th percentile per-packet one-way delay: 98.607 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 132.02 Mbit/s
95th percentile per-packet one-way delay: 98.607 ms
Loss rate: 0.61%
```

Run 10: Report of TCP Cubic — Data Link

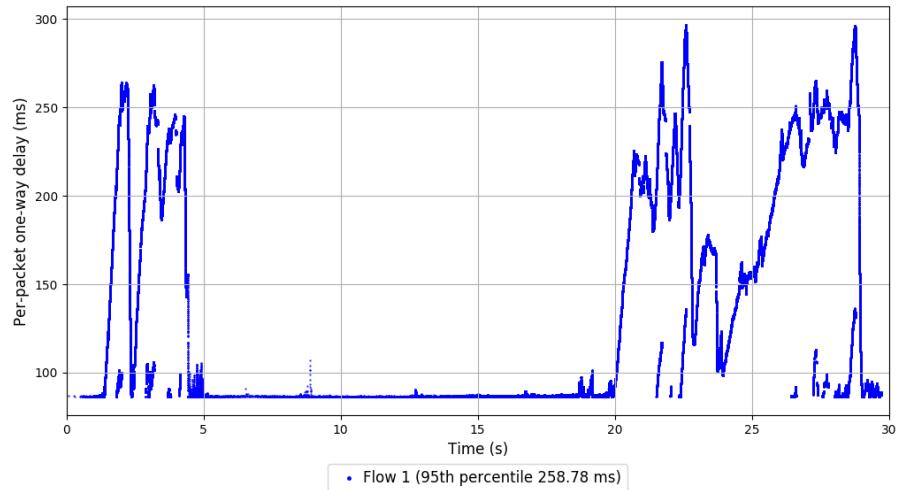
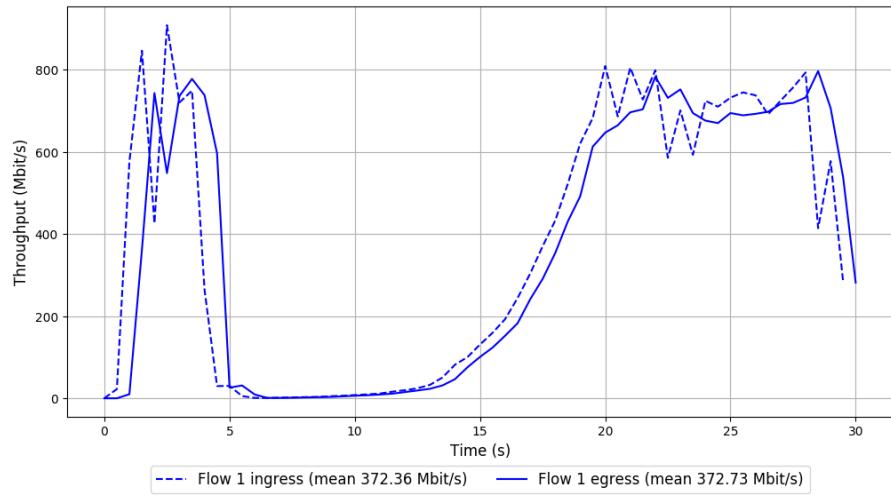


```
Run 1: Statistics of FillP

Start at: 2018-06-05 14:40:09
End at: 2018-06-05 14:40:39
Local clock offset: 0.313 ms
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2018-06-05 18:10:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 372.73 Mbit/s
95th percentile per-packet one-way delay: 258.777 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 372.73 Mbit/s
95th percentile per-packet one-way delay: 258.777 ms
Loss rate: 0.48%
```

Run 1: Report of FillP — Data Link

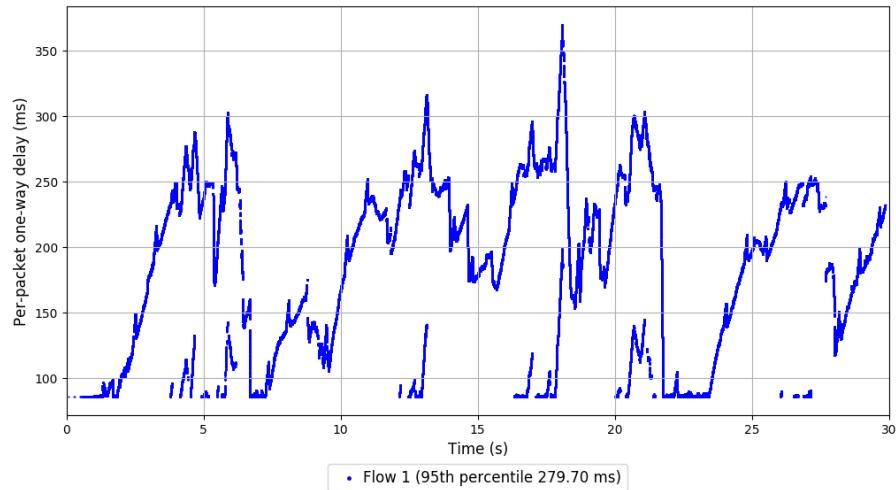
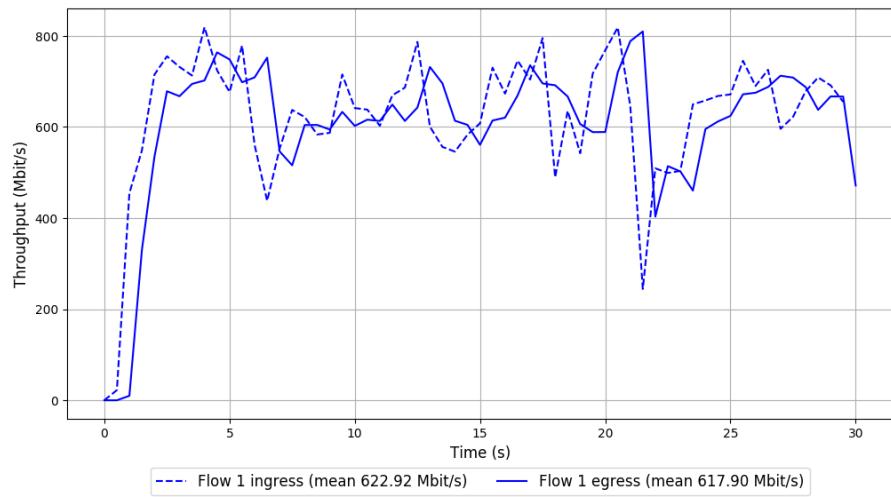


Run 2: Statistics of FillP

```
Start at: 2018-06-05 14:59:50
End at: 2018-06-05 15:00:20
Local clock offset: -0.041 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-06-05 18:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 617.90 Mbit/s
95th percentile per-packet one-way delay: 279.700 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 617.90 Mbit/s
95th percentile per-packet one-way delay: 279.700 ms
Loss rate: 1.37%
```

Run 2: Report of FillP — Data Link

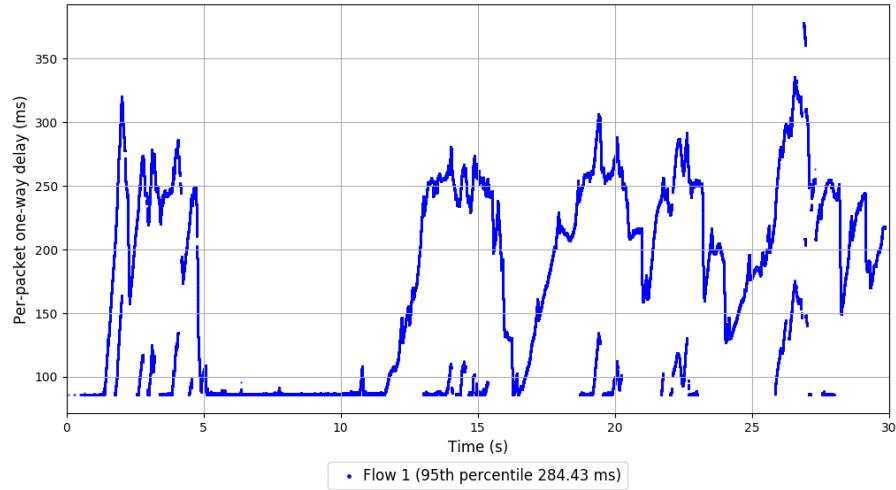
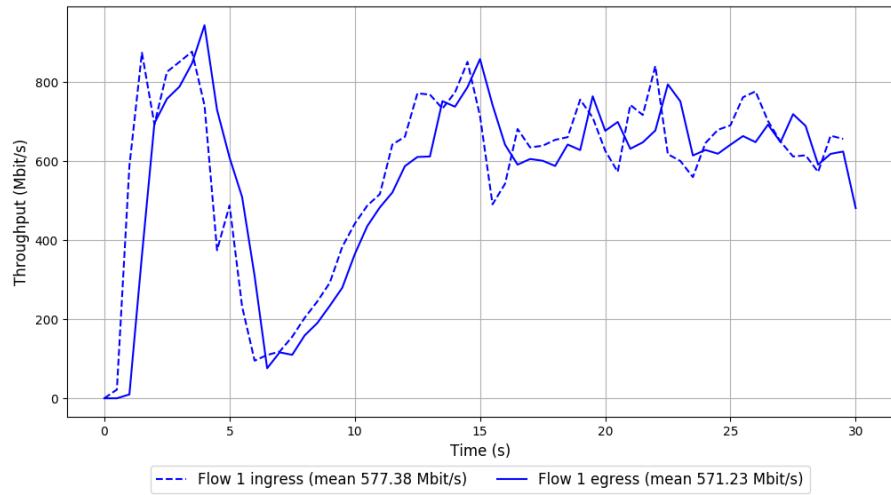


```
Run 3: Statistics of FillP
```

```
Start at: 2018-06-05 15:20:06
End at: 2018-06-05 15:20:36
Local clock offset: -0.183 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-06-05 18:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 571.23 Mbit/s
95th percentile per-packet one-way delay: 284.430 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 571.23 Mbit/s
95th percentile per-packet one-way delay: 284.430 ms
Loss rate: 1.64%
```

Run 3: Report of FillP — Data Link

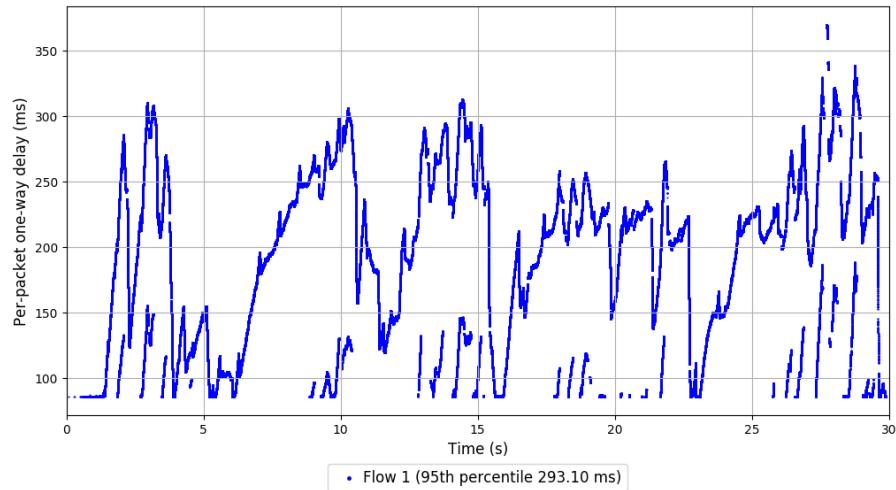
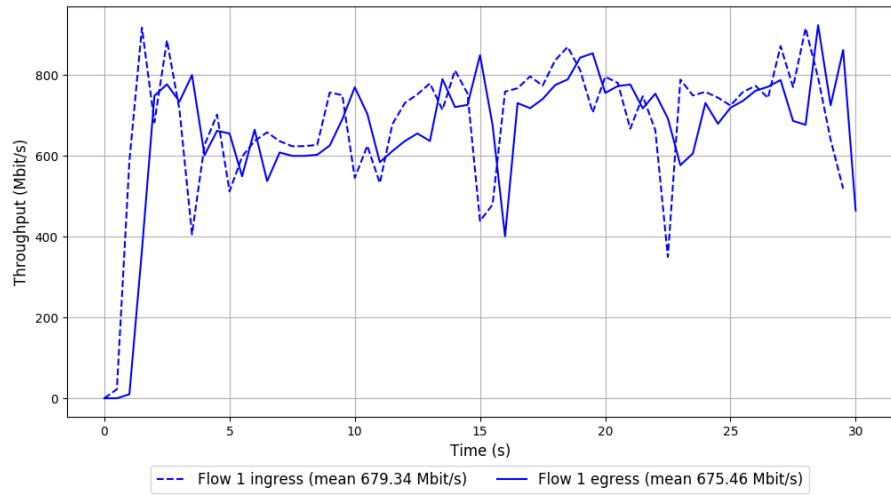


Run 4: Statistics of FillP

```
Start at: 2018-06-05 15:40:14
End at: 2018-06-05 15:40:44
Local clock offset: -0.352 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-05 18:18:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 675.46 Mbit/s
95th percentile per-packet one-way delay: 293.100 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 675.46 Mbit/s
95th percentile per-packet one-way delay: 293.100 ms
Loss rate: 1.14%
```

Run 4: Report of FillP — Data Link

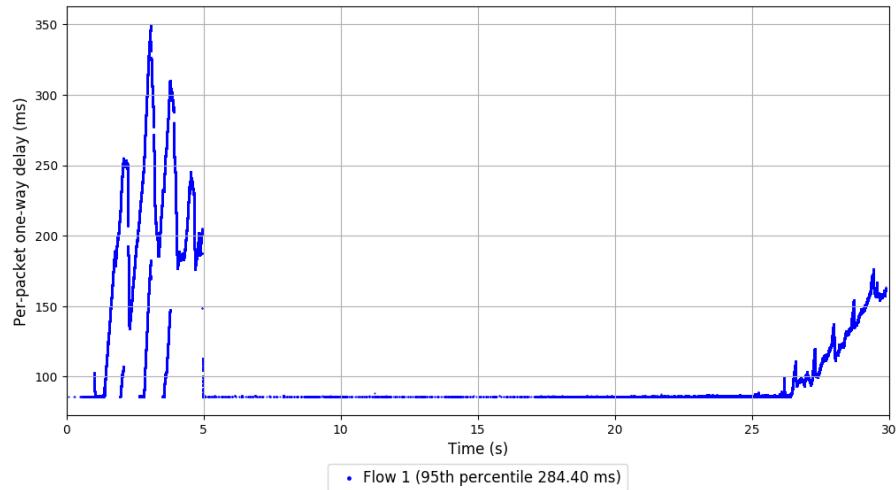
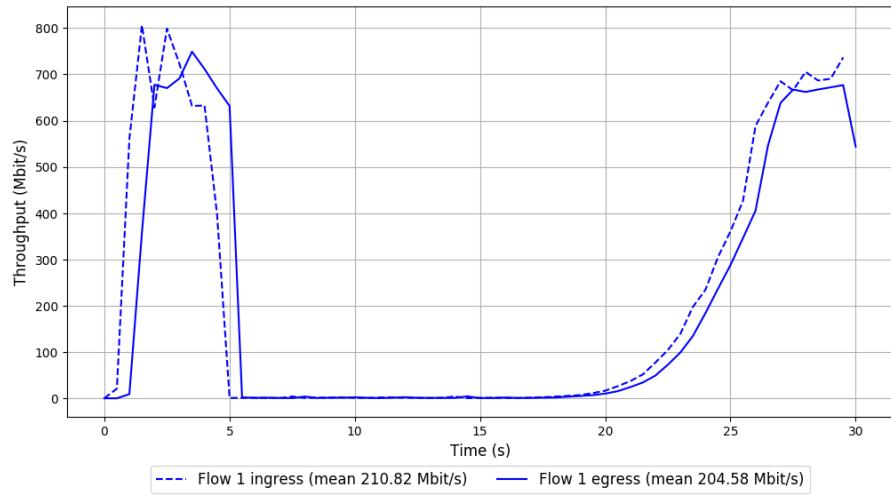


```
Run 5: Statistics of FillP
```

```
Start at: 2018-06-05 16:00:17
End at: 2018-06-05 16:00:47
Local clock offset: 0.01 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-06-05 18:18:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.58 Mbit/s
95th percentile per-packet one-way delay: 284.405 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 204.58 Mbit/s
95th percentile per-packet one-way delay: 284.405 ms
Loss rate: 3.51%
```

Run 5: Report of FillP — Data Link

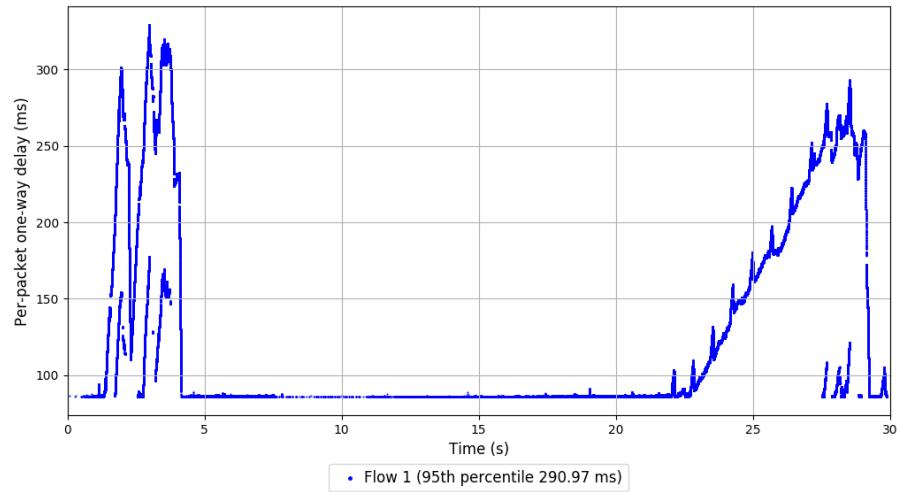
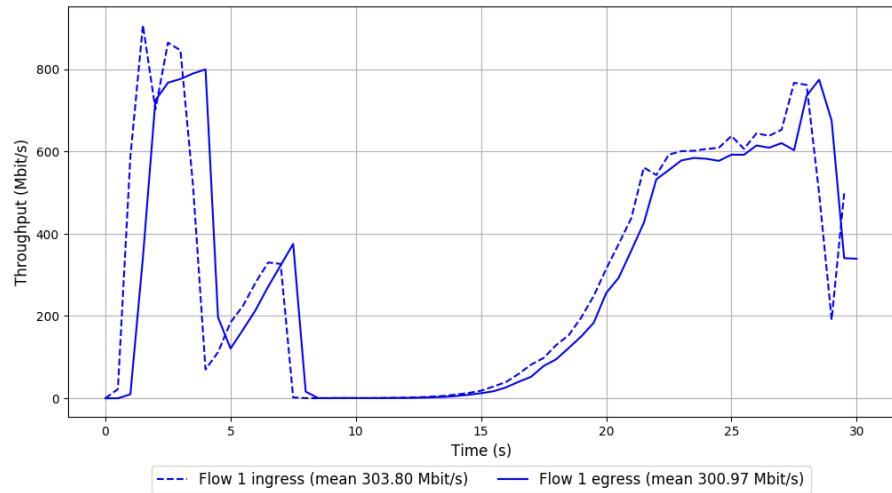


Run 6: Statistics of FillP

```
Start at: 2018-06-05 16:20:24
End at: 2018-06-05 16:20:54
Local clock offset: 0.005 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-06-05 18:18:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 300.97 Mbit/s
95th percentile per-packet one-way delay: 290.966 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 300.97 Mbit/s
95th percentile per-packet one-way delay: 290.966 ms
Loss rate: 1.50%
```

Run 6: Report of FillP — Data Link

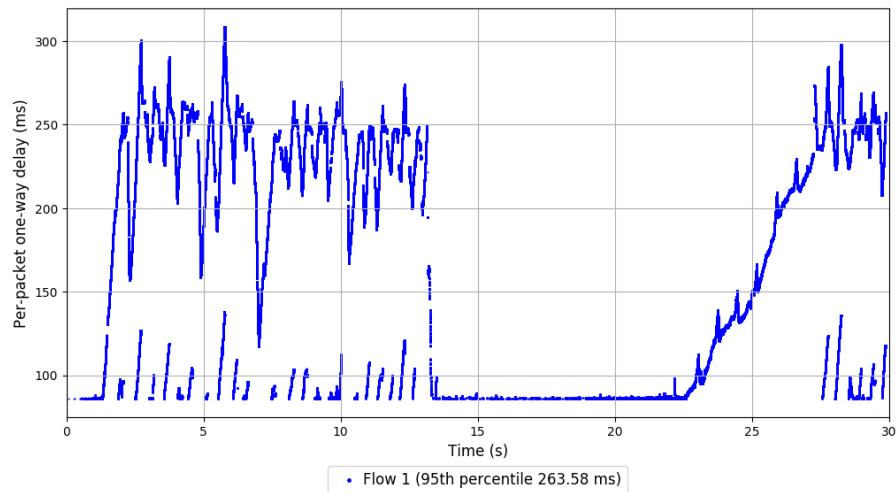
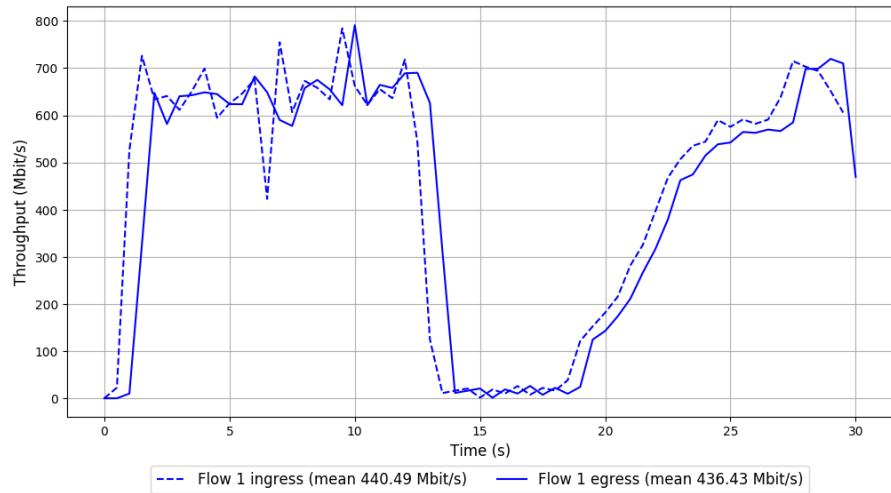


Run 7: Statistics of FillP

```
Start at: 2018-06-05 16:40:27
End at: 2018-06-05 16:40:57
Local clock offset: 0.134 ms
Remote clock offset: -0.153 ms

# Below is generated by plot.py at 2018-06-05 18:18:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.43 Mbit/s
95th percentile per-packet one-way delay: 263.582 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 436.43 Mbit/s
95th percentile per-packet one-way delay: 263.582 ms
Loss rate: 1.49%
```

Run 7: Report of FillP — Data Link

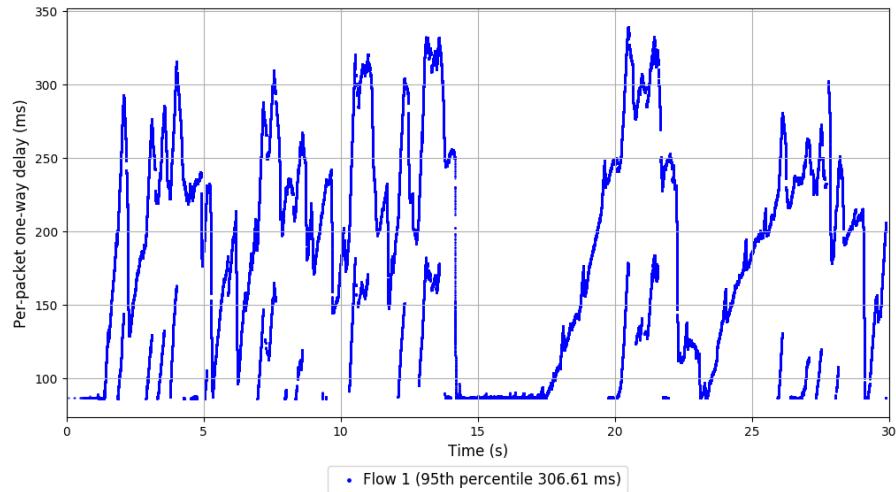
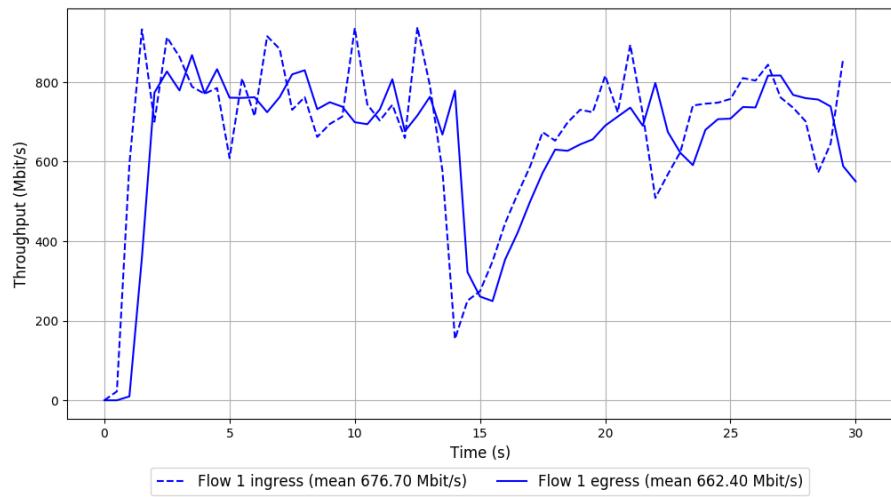


Run 8: Statistics of FillP

```
Start at: 2018-06-05 17:00:29
End at: 2018-06-05 17:00:59
Local clock offset: 0.148 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-06-05 18:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 662.40 Mbit/s
95th percentile per-packet one-way delay: 306.605 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 662.40 Mbit/s
95th percentile per-packet one-way delay: 306.605 ms
Loss rate: 2.68%
```

Run 8: Report of FillP — Data Link

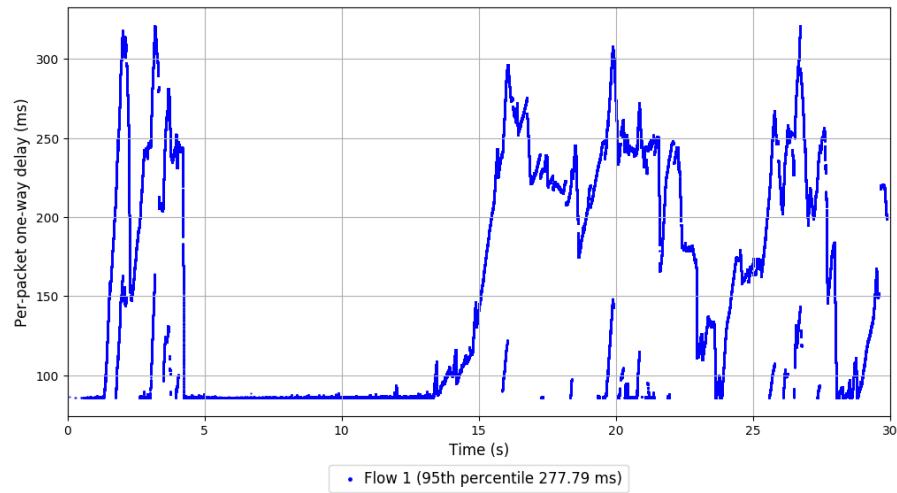
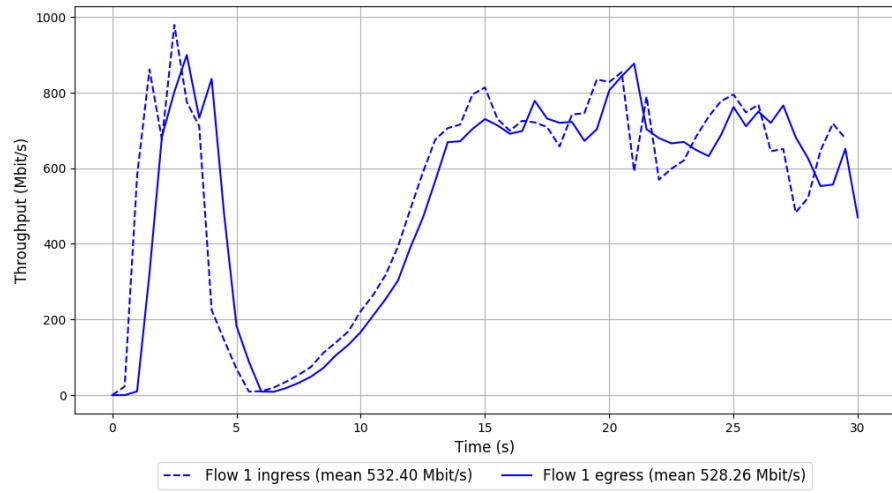


Run 9: Statistics of FillP

```
Start at: 2018-06-05 17:20:52
End at: 2018-06-05 17:21:22
Local clock offset: 0.099 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-06-05 18:21:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 528.26 Mbit/s
95th percentile per-packet one-way delay: 277.793 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 528.26 Mbit/s
95th percentile per-packet one-way delay: 277.793 ms
Loss rate: 1.35%
```

Run 9: Report of FillP — Data Link

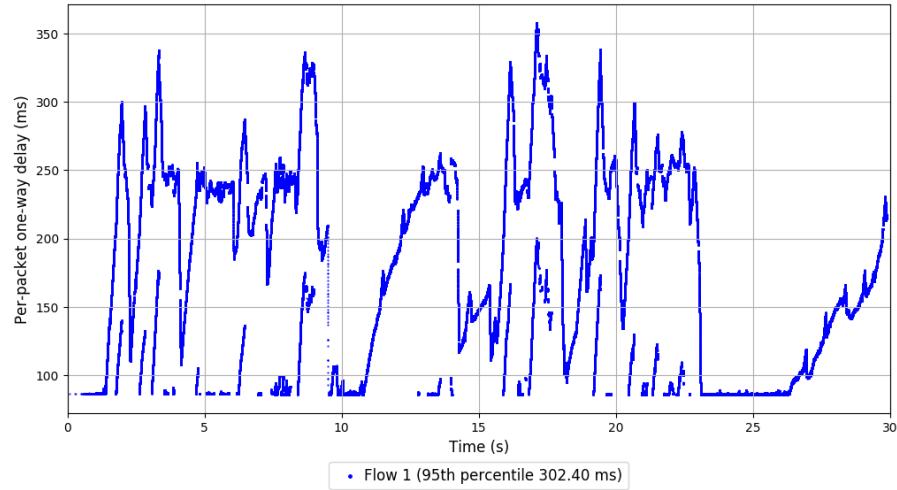
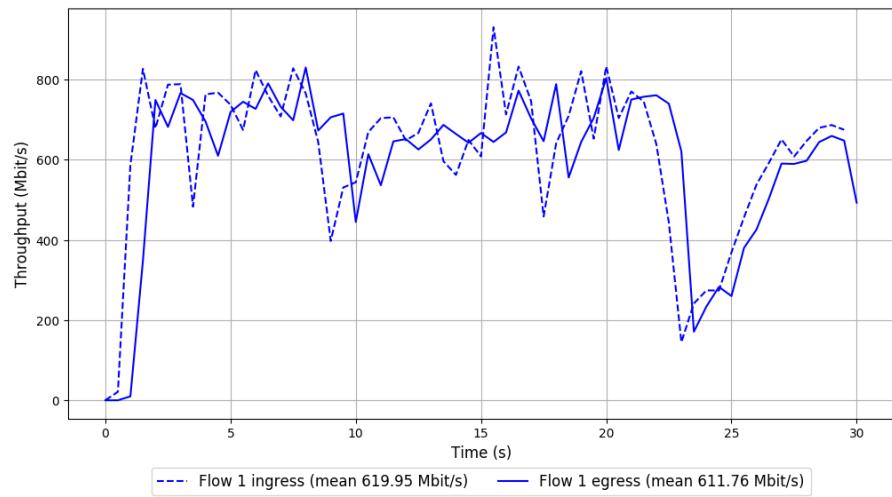


```
Run 10: Statistics of FillP
```

```
Start at: 2018-06-05 17:41:04
End at: 2018-06-05 17:41:34
Local clock offset: 0.114 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-06-05 18:24:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 611.76 Mbit/s
95th percentile per-packet one-way delay: 302.402 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 611.76 Mbit/s
95th percentile per-packet one-way delay: 302.402 ms
Loss rate: 1.89%
```

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

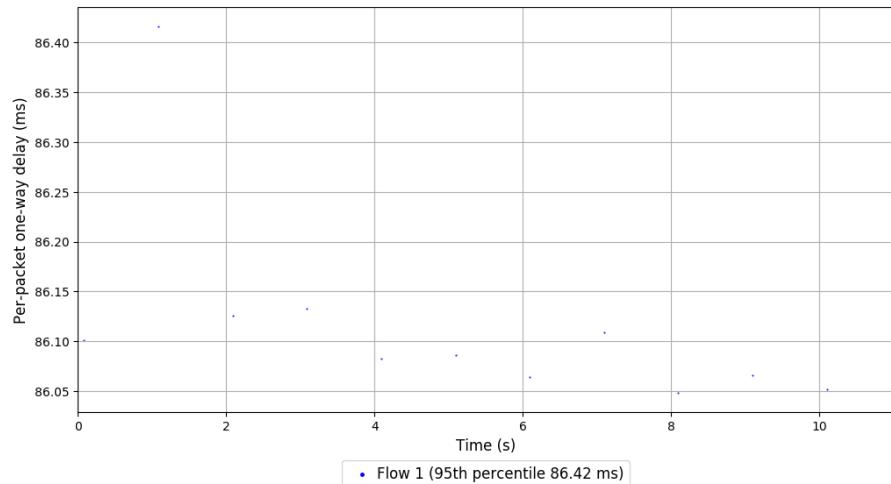
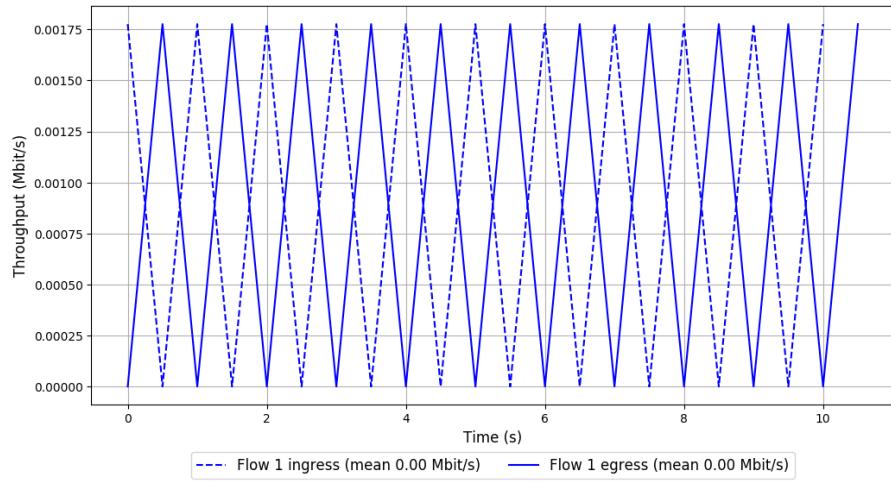
Start at: 2018-06-05 14:42:52

End at: 2018-06-05 14:43:22

Local clock offset: -0.041 ms

Remote clock offset: -0.054 ms

Run 1: Report of Indigo — Data Link

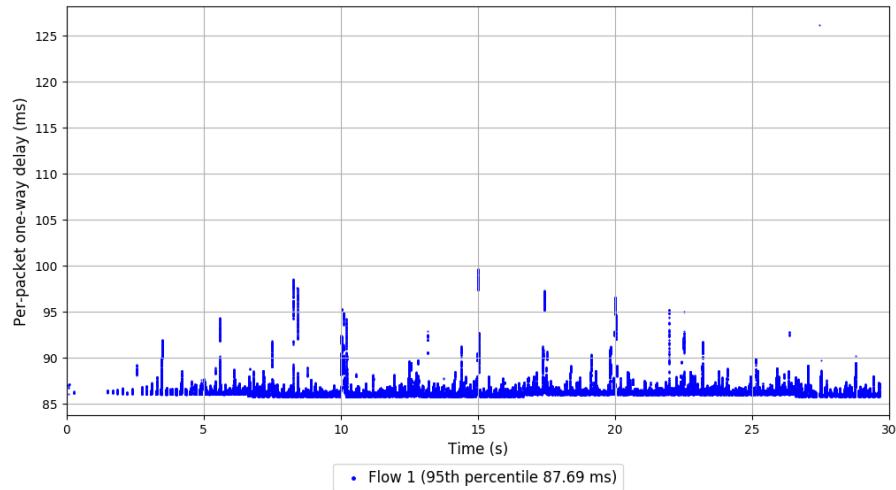
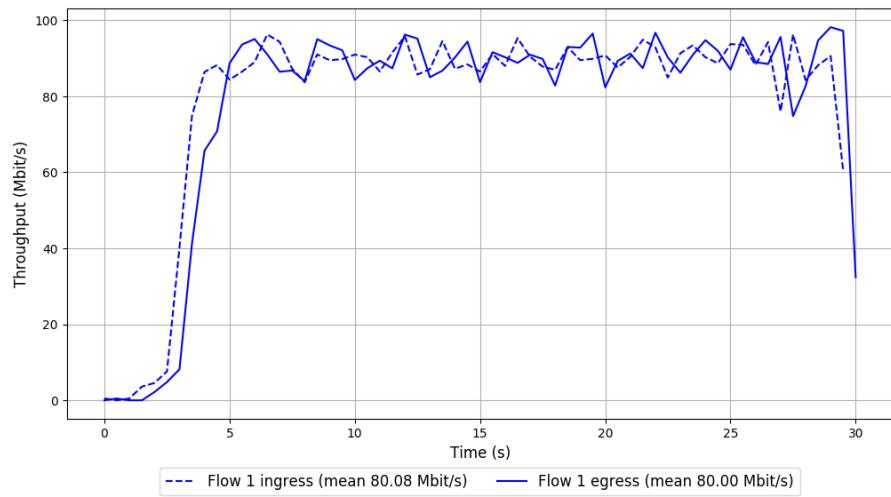


Run 2: Statistics of Indigo

```
Start at: 2018-06-05 15:02:43
End at: 2018-06-05 15:03:13
Local clock offset: -0.053 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 87.695 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 87.695 ms
Loss rate: 0.68%
```

Run 2: Report of Indigo — Data Link

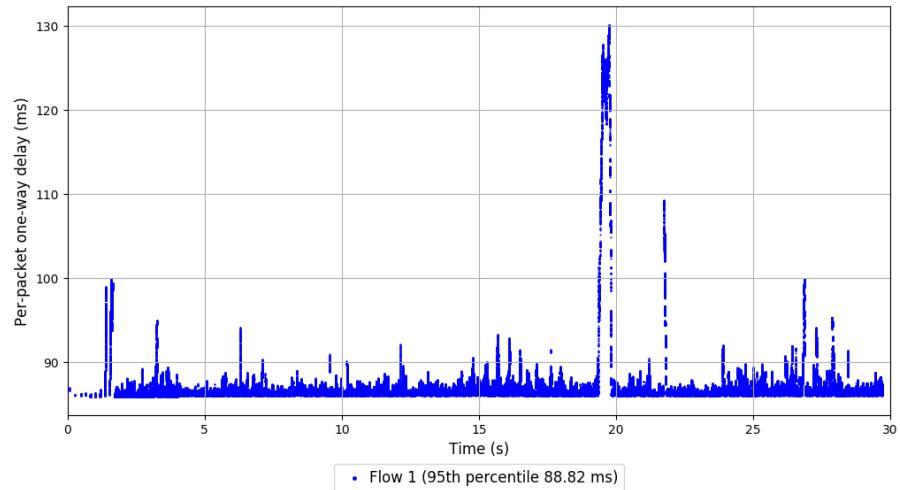
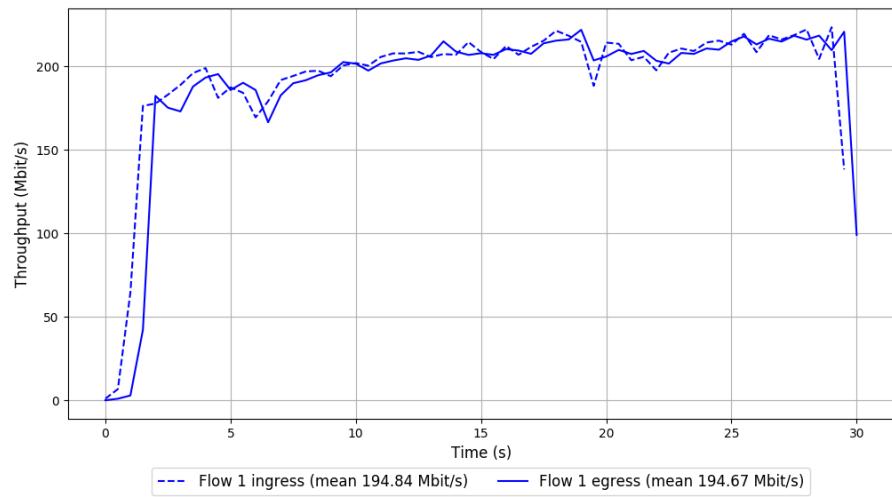


Run 3: Statistics of Indigo

```
Start at: 2018-06-05 15:22:56
End at: 2018-06-05 15:23:26
Local clock offset: 0.085 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.67 Mbit/s
95th percentile per-packet one-way delay: 88.816 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 194.67 Mbit/s
95th percentile per-packet one-way delay: 88.816 ms
Loss rate: 0.66%
```

Run 3: Report of Indigo — Data Link

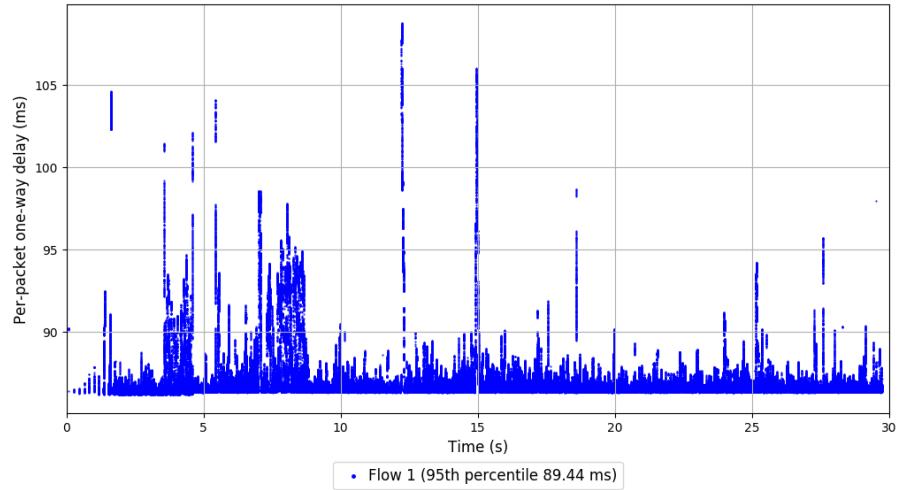
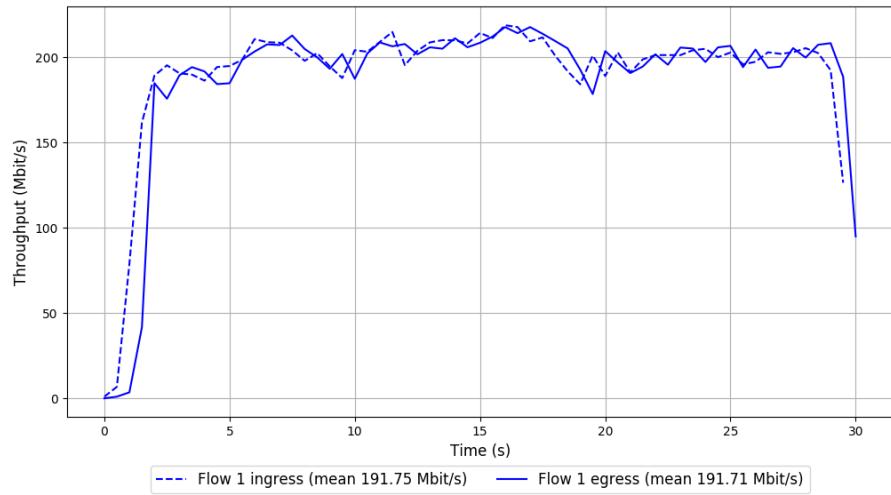


Run 4: Statistics of Indigo

```
Start at: 2018-06-05 15:43:06
End at: 2018-06-05 15:43:36
Local clock offset: 0.461 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.71 Mbit/s
95th percentile per-packet one-way delay: 89.441 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 191.71 Mbit/s
95th percentile per-packet one-way delay: 89.441 ms
Loss rate: 0.60%
```

Run 4: Report of Indigo — Data Link

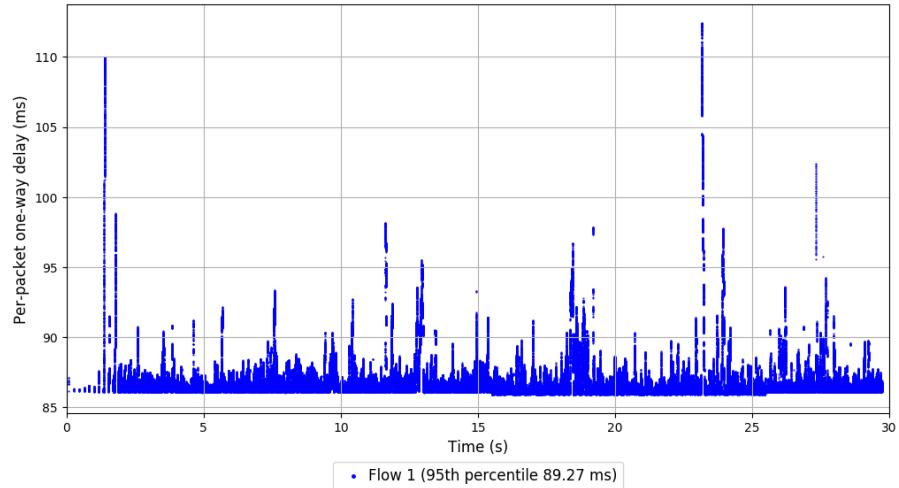
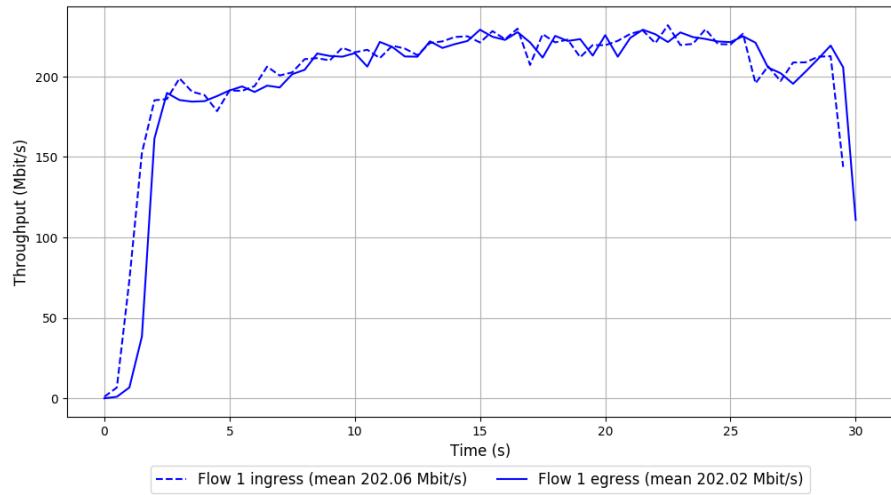


Run 5: Statistics of Indigo

```
Start at: 2018-06-05 16:02:55
End at: 2018-06-05 16:03:25
Local clock offset: 0.155 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.02 Mbit/s
95th percentile per-packet one-way delay: 89.266 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 202.02 Mbit/s
95th percentile per-packet one-way delay: 89.266 ms
Loss rate: 0.60%
```

Run 5: Report of Indigo — Data Link

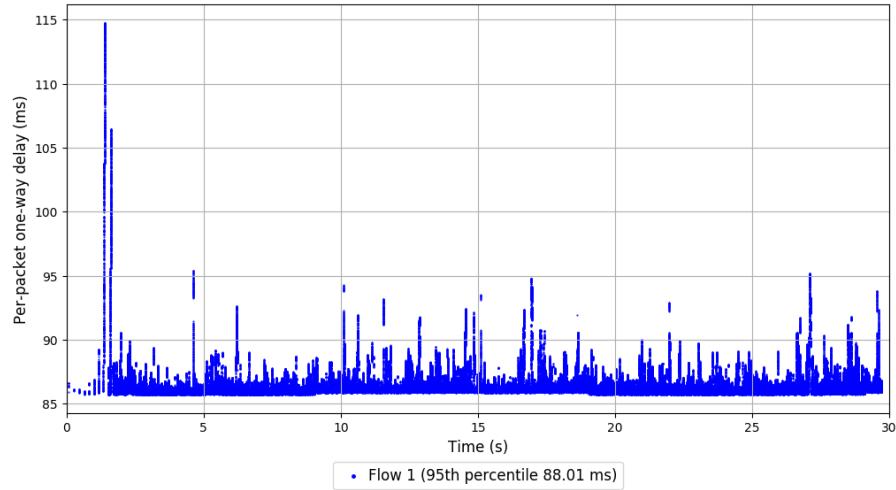
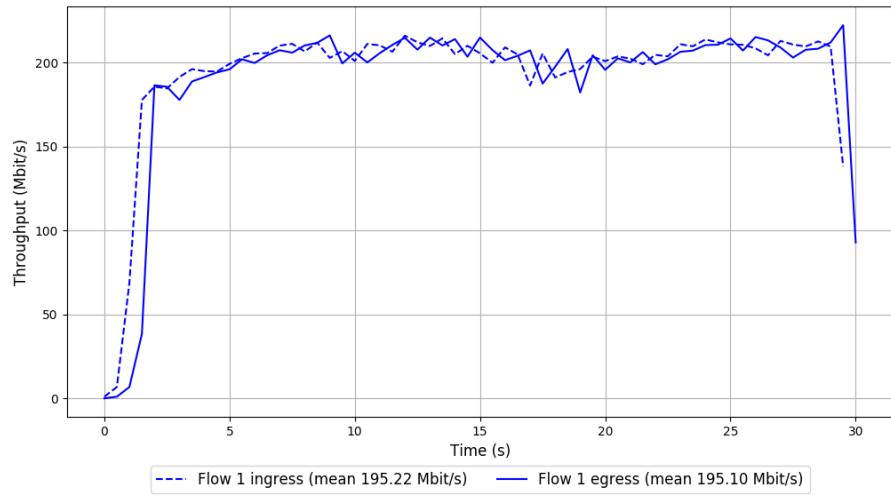


Run 6: Statistics of Indigo

```
Start at: 2018-06-05 16:23:01
End at: 2018-06-05 16:23:31
Local clock offset: -0.044 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.10 Mbit/s
95th percentile per-packet one-way delay: 88.014 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 195.10 Mbit/s
95th percentile per-packet one-way delay: 88.014 ms
Loss rate: 0.64%
```

Run 6: Report of Indigo — Data Link

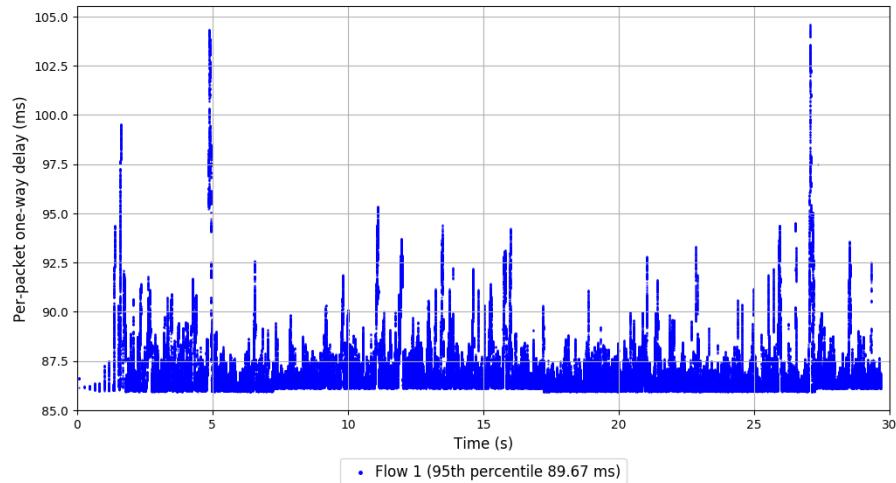
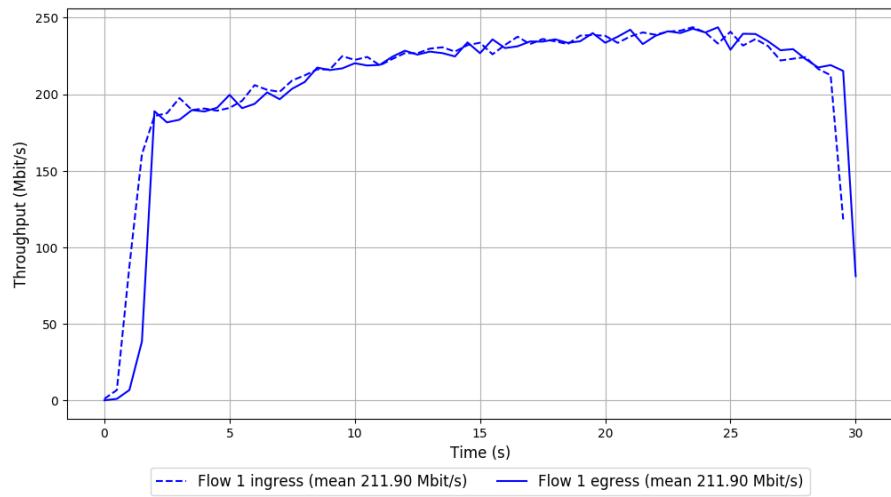


Run 7: Statistics of Indigo

```
Start at: 2018-06-05 16:43:13
End at: 2018-06-05 16:43:43
Local clock offset: 0.209 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.90 Mbit/s
95th percentile per-packet one-way delay: 89.673 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 211.90 Mbit/s
95th percentile per-packet one-way delay: 89.673 ms
Loss rate: 0.58%
```

Run 7: Report of Indigo — Data Link

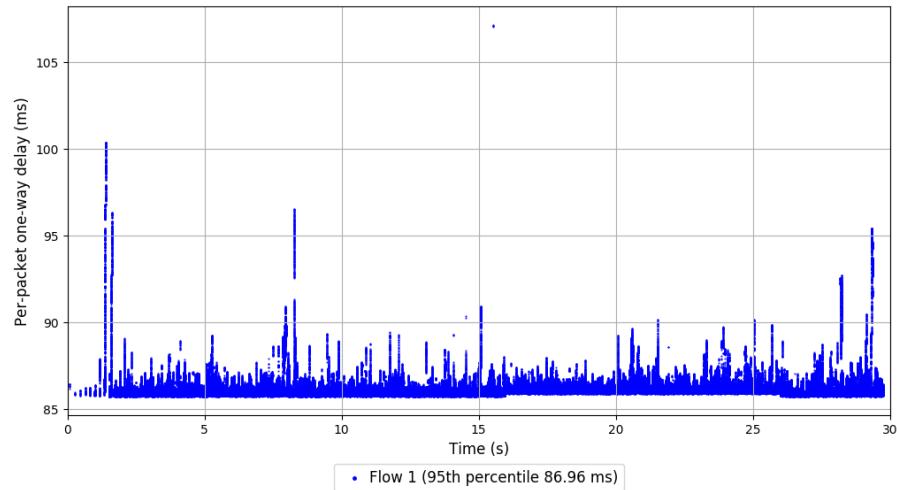
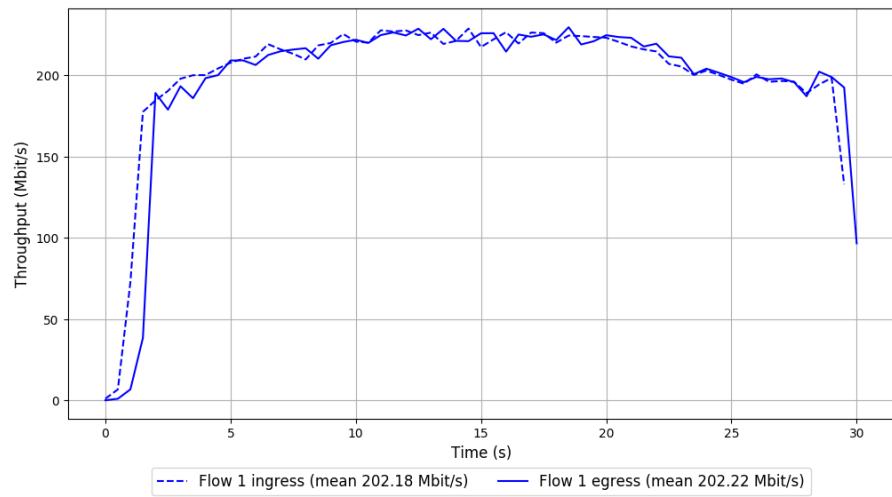


Run 8: Statistics of Indigo

```
Start at: 2018-06-05 17:03:24
End at: 2018-06-05 17:03:54
Local clock offset: -0.008 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.22 Mbit/s
95th percentile per-packet one-way delay: 86.961 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 202.22 Mbit/s
95th percentile per-packet one-way delay: 86.961 ms
Loss rate: 0.56%
```

Run 8: Report of Indigo — Data Link

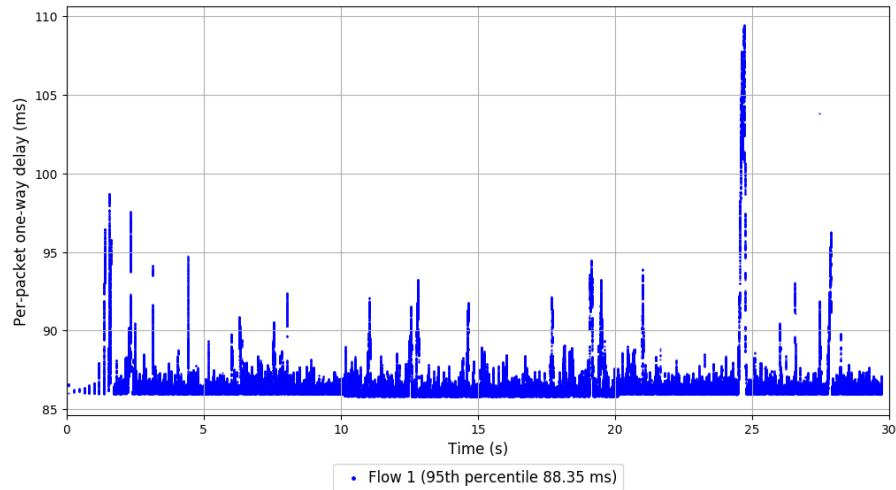
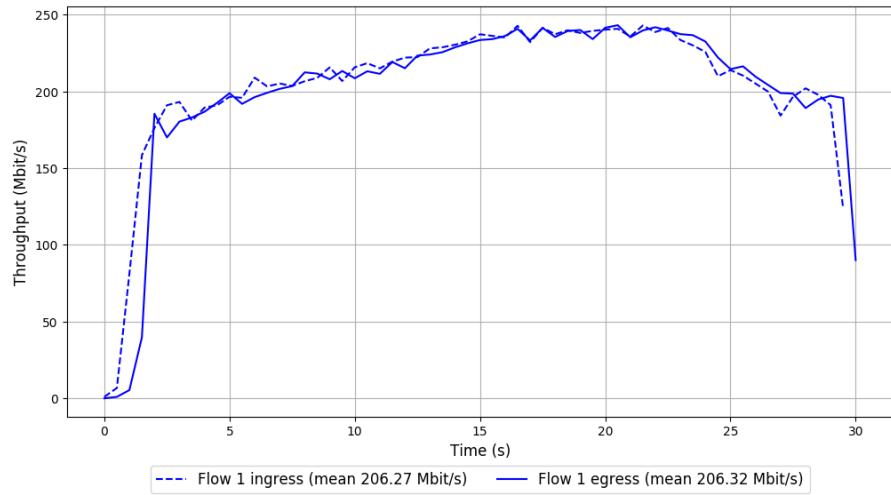


Run 9: Statistics of Indigo

```
Start at: 2018-06-05 17:23:40
End at: 2018-06-05 17:24:10
Local clock offset: 0.159 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.32 Mbit/s
95th percentile per-packet one-way delay: 88.350 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 206.32 Mbit/s
95th percentile per-packet one-way delay: 88.350 ms
Loss rate: 0.56%
```

Run 9: Report of Indigo — Data Link

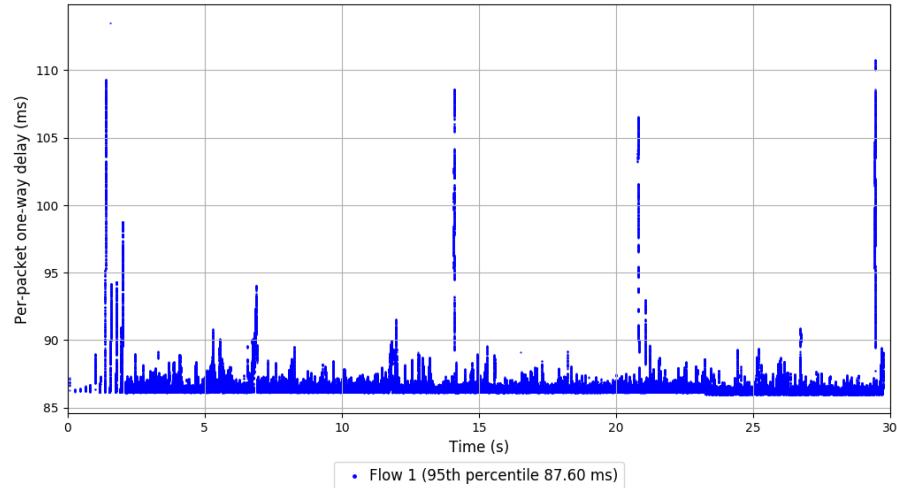
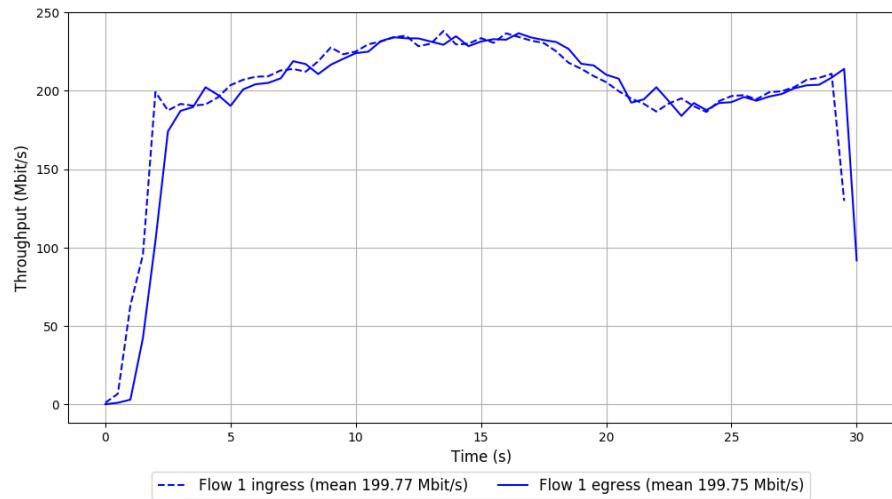


Run 10: Statistics of Indigo

```
Start at: 2018-06-05 17:43:57
End at: 2018-06-05 17:44:27
Local clock offset: 0.29 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.75 Mbit/s
95th percentile per-packet one-way delay: 87.603 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 199.75 Mbit/s
95th percentile per-packet one-way delay: 87.603 ms
Loss rate: 0.59%
```

Run 10: Report of Indigo — Data Link

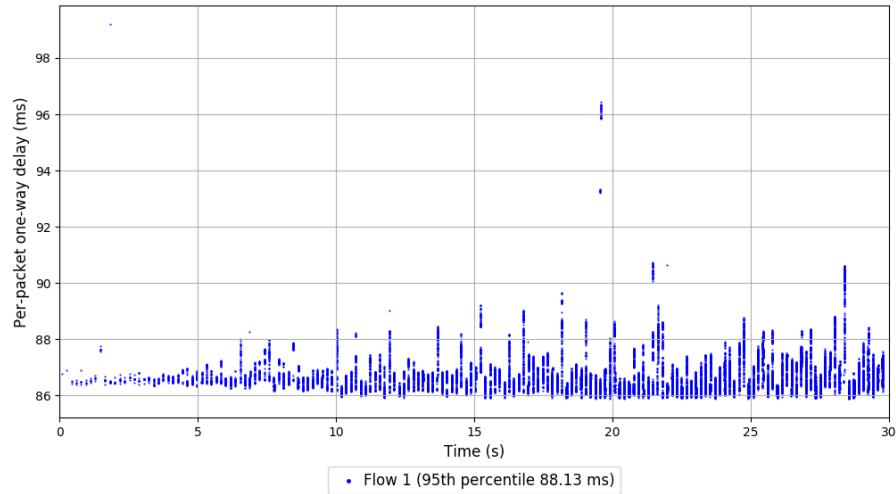
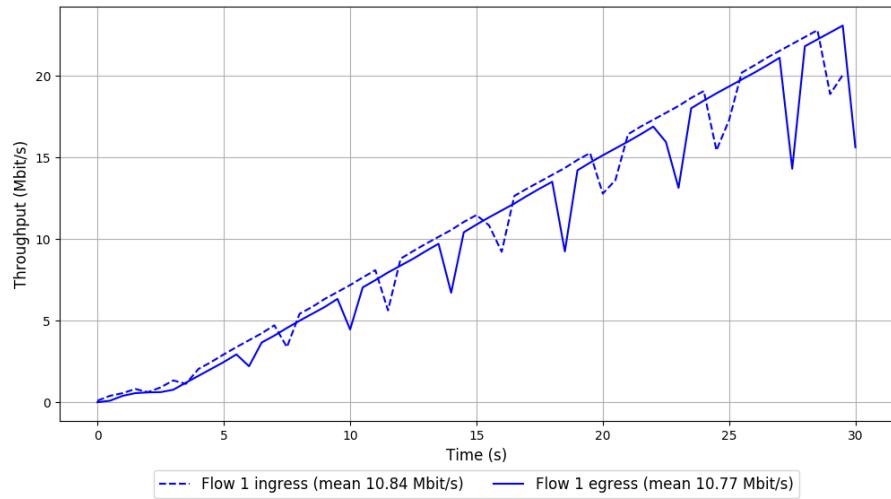


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 14:30:21
End at: 2018-06-05 14:30:51
Local clock offset: -0.067 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 88.126 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 88.126 ms
Loss rate: 1.22%
```

Run 1: Report of LEDBAT — Data Link

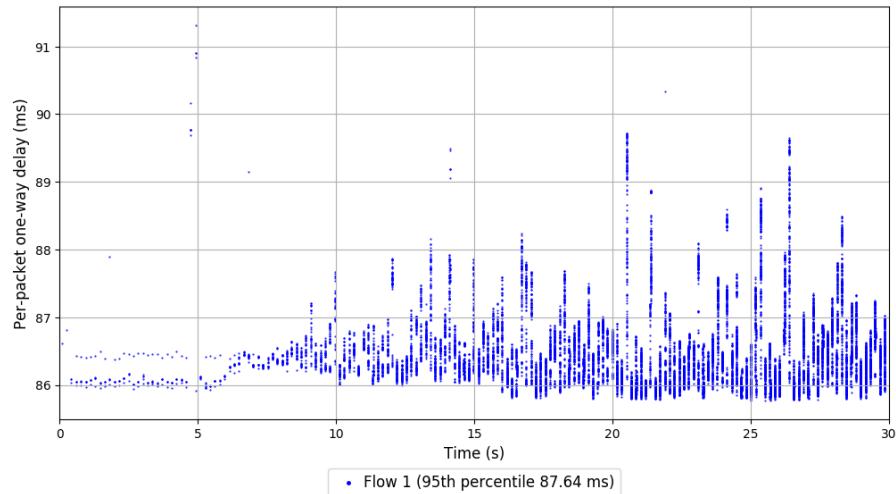
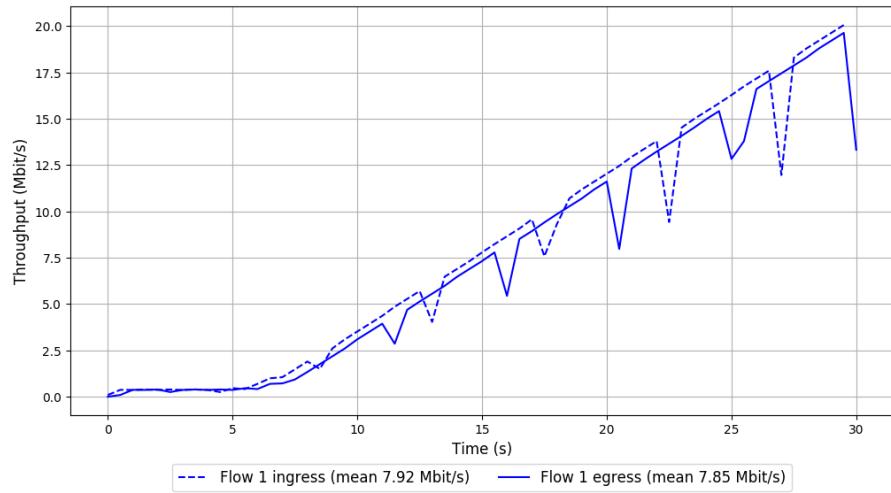


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-05 14:49:54
End at: 2018-06-05 14:50:24
Local clock offset: -0.092 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 87.645 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 87.645 ms
Loss rate: 1.42%
```

Run 2: Report of LEDBAT — Data Link

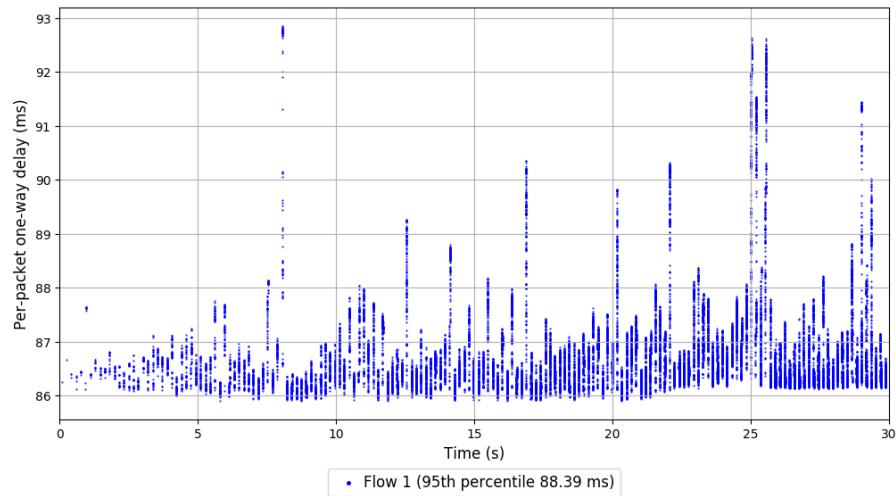
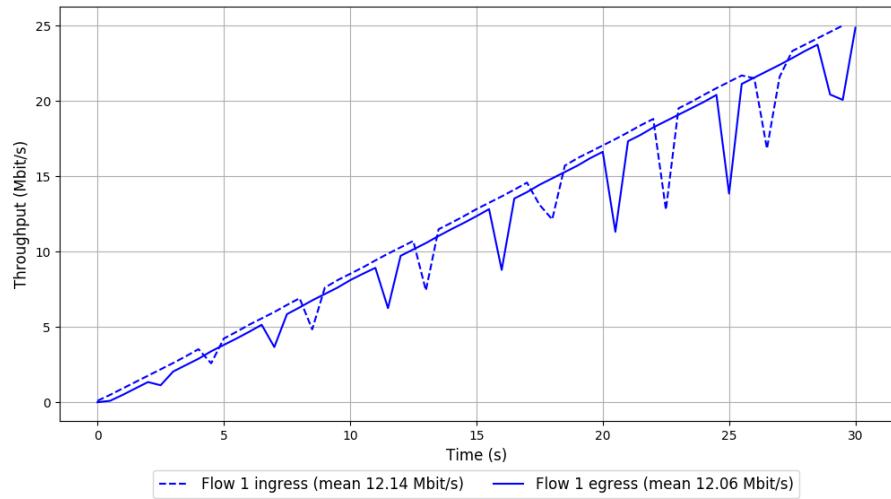


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-05 15:09:58
End at: 2018-06-05 15:10:28
Local clock offset: 0.045 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 88.387 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 88.387 ms
Loss rate: 1.15%
```

Run 3: Report of LEDBAT — Data Link

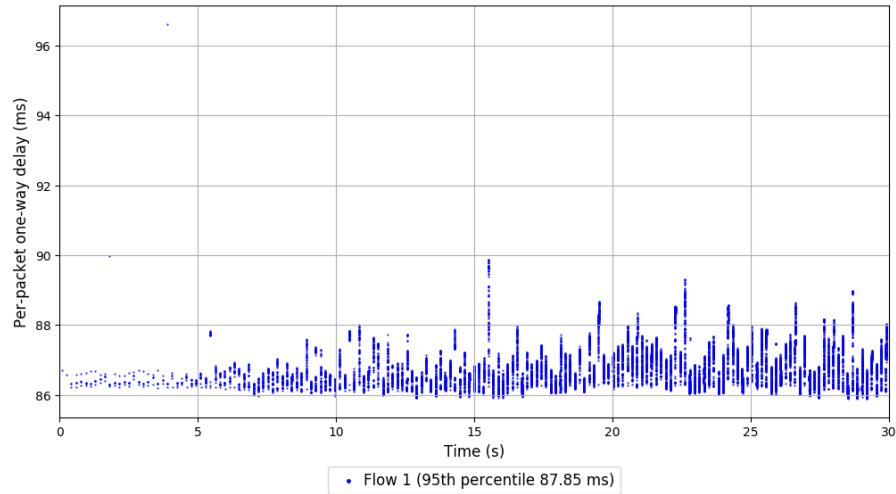
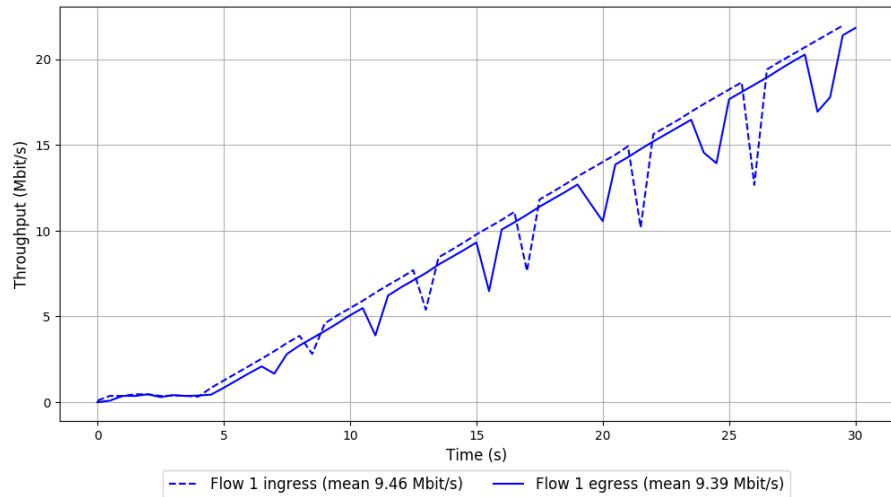


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-05 15:30:13
End at: 2018-06-05 15:30:43
Local clock offset: 0.087 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 87.849 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 87.849 ms
Loss rate: 1.30%
```

Run 4: Report of LEDBAT — Data Link

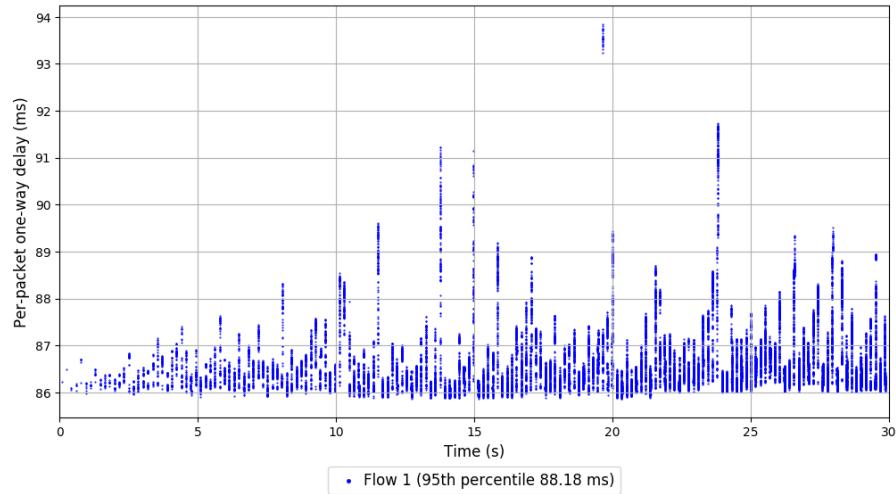
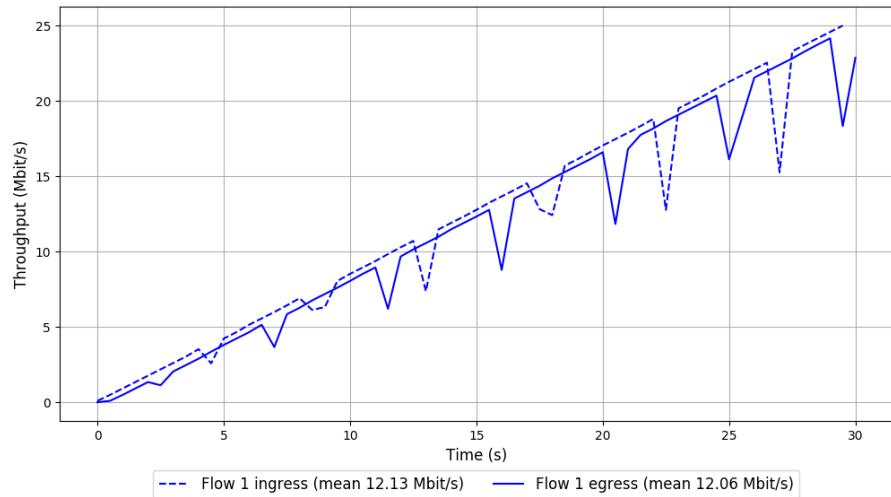


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-05 15:50:28
End at: 2018-06-05 15:50:58
Local clock offset: 0.084 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 88.181 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 88.181 ms
Loss rate: 1.15%
```

Run 5: Report of LEDBAT — Data Link

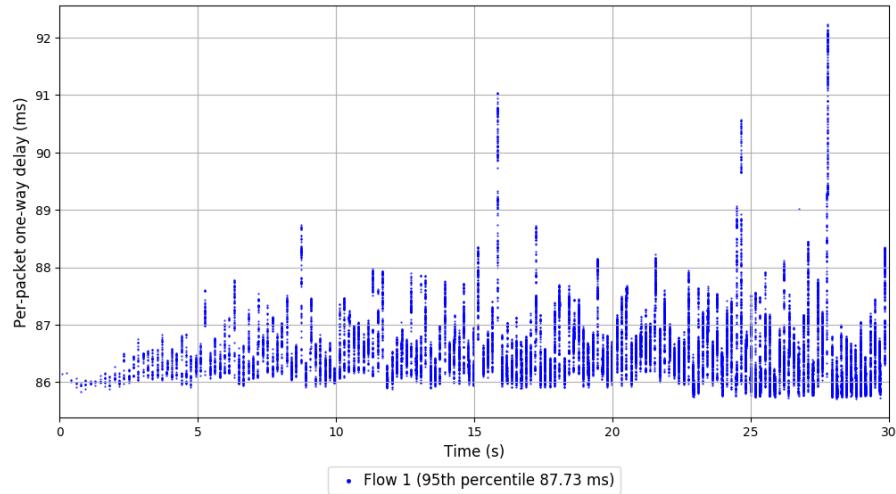
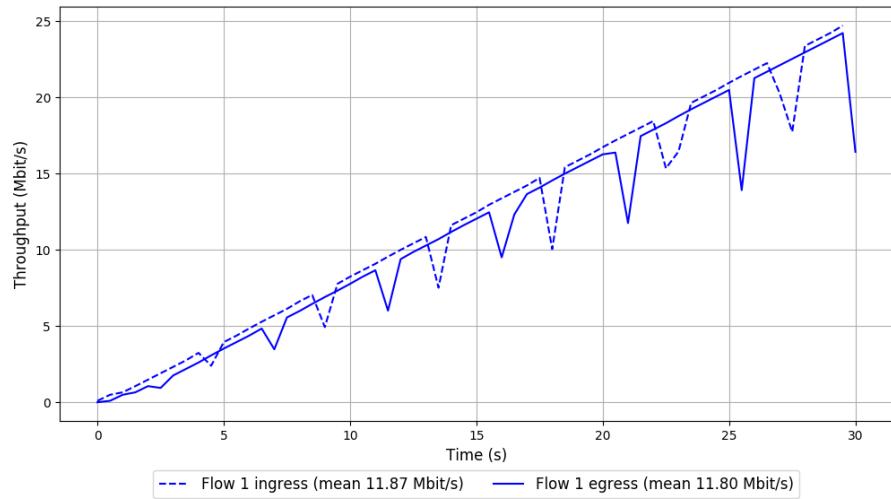


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-05 16:10:18
End at: 2018-06-05 16:10:48
Local clock offset: -0.033 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 87.734 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 87.734 ms
Loss rate: 1.17%
```

Run 6: Report of LEDBAT — Data Link

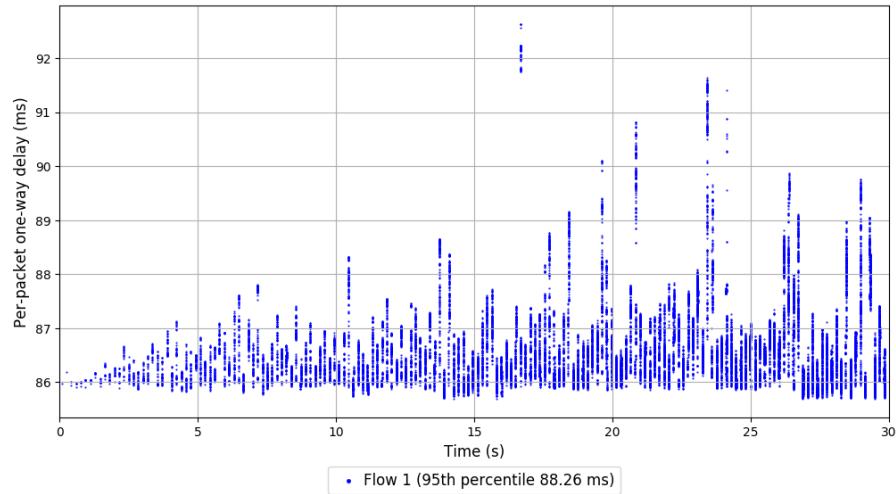
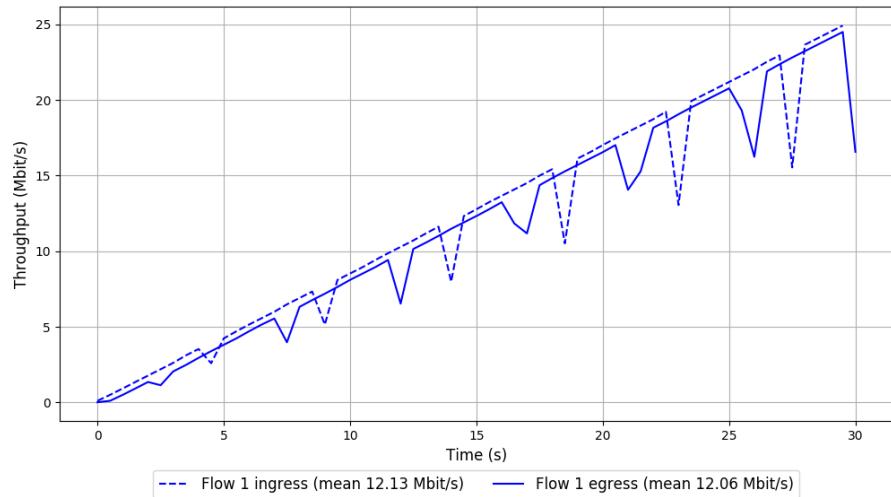


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-05 16:30:24
End at: 2018-06-05 16:30:54
Local clock offset: -0.06 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 88.259 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 88.259 ms
Loss rate: 1.15%
```

Run 7: Report of LEDBAT — Data Link

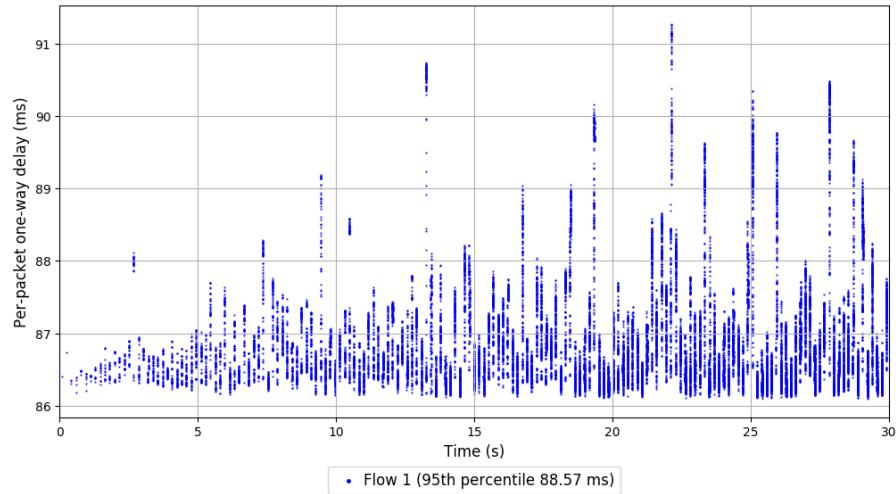
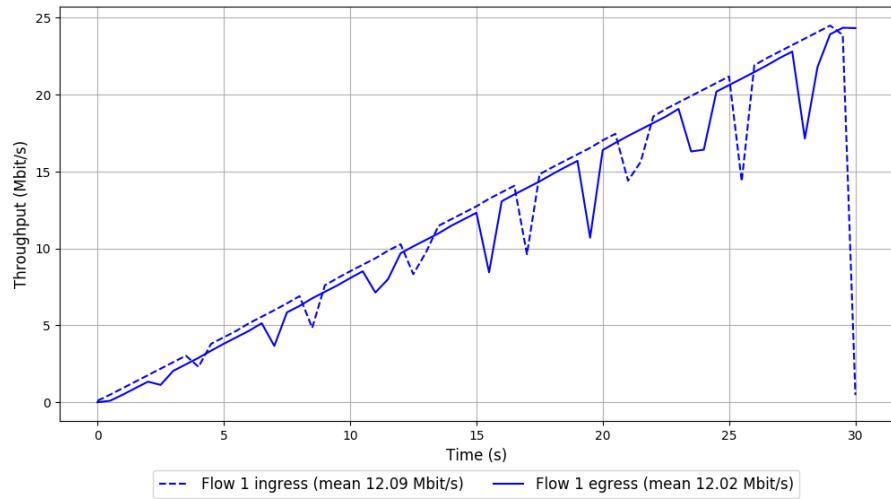


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-05 16:50:38
End at: 2018-06-05 16:51:08
Local clock offset: 0.194 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 88.574 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 88.574 ms
Loss rate: 1.14%
```

Run 8: Report of LEDBAT — Data Link

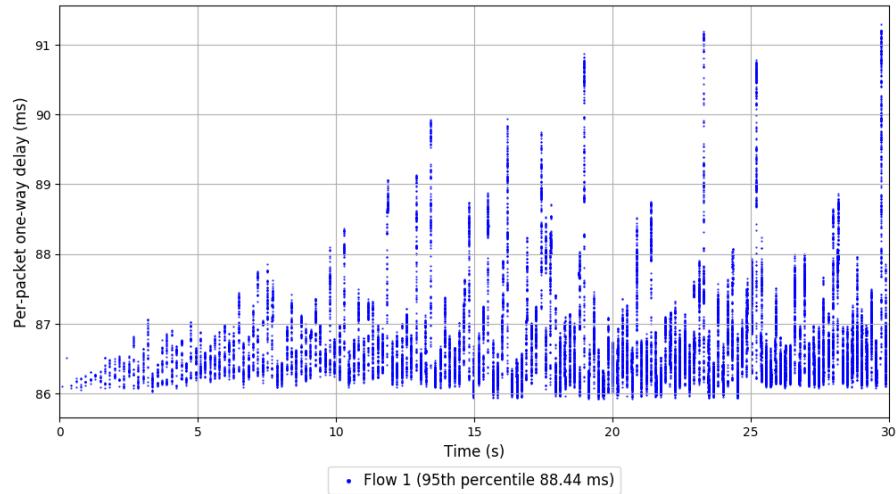
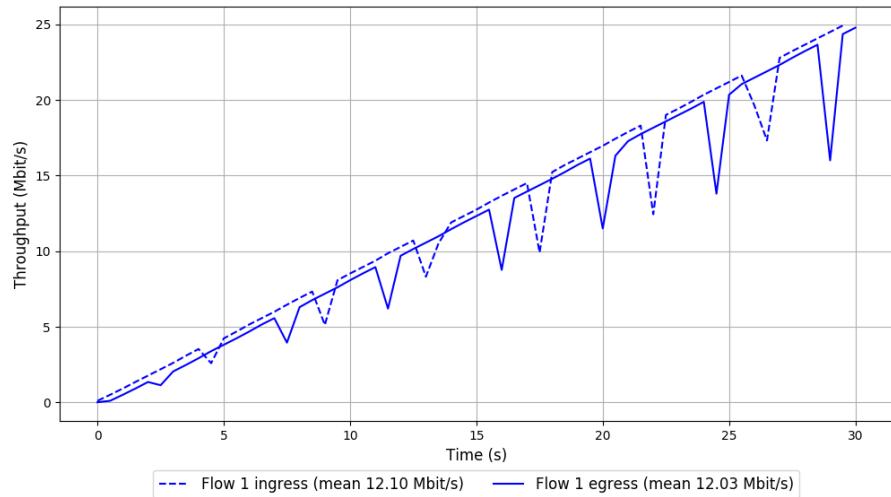


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-05 17:10:46
End at: 2018-06-05 17:11:16
Local clock offset: 0.2 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 88.445 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 88.445 ms
Loss rate: 1.15%
```

Run 9: Report of LEDBAT — Data Link

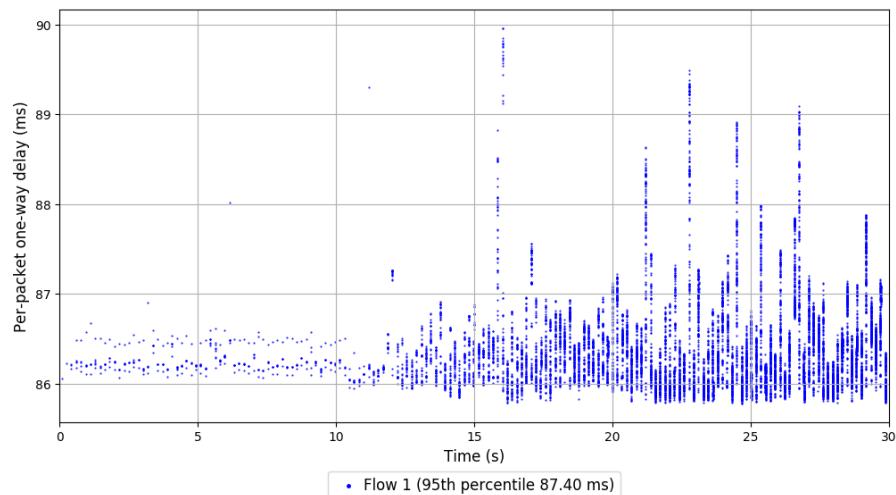
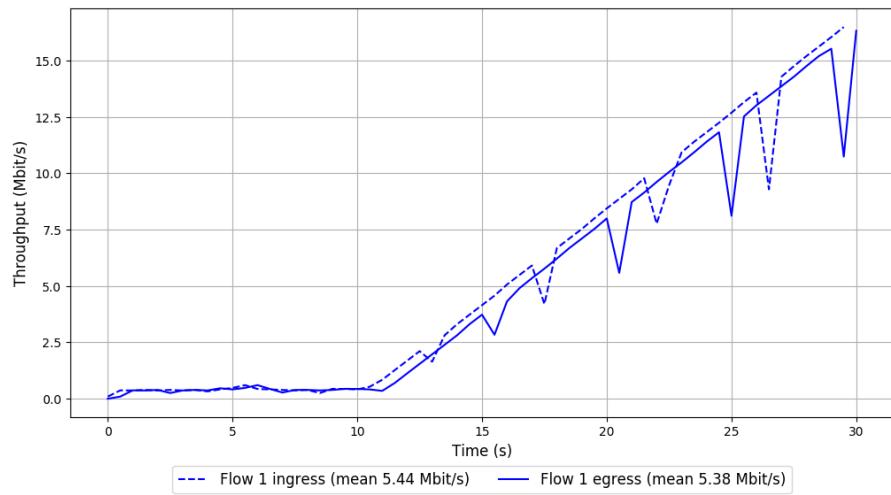


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-05 17:31:00
End at: 2018-06-05 17:31:30
Local clock offset: 0.072 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-06-05 18:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 87.402 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 87.402 ms
Loss rate: 1.71%
```

Run 10: Report of LEDBAT — Data Link

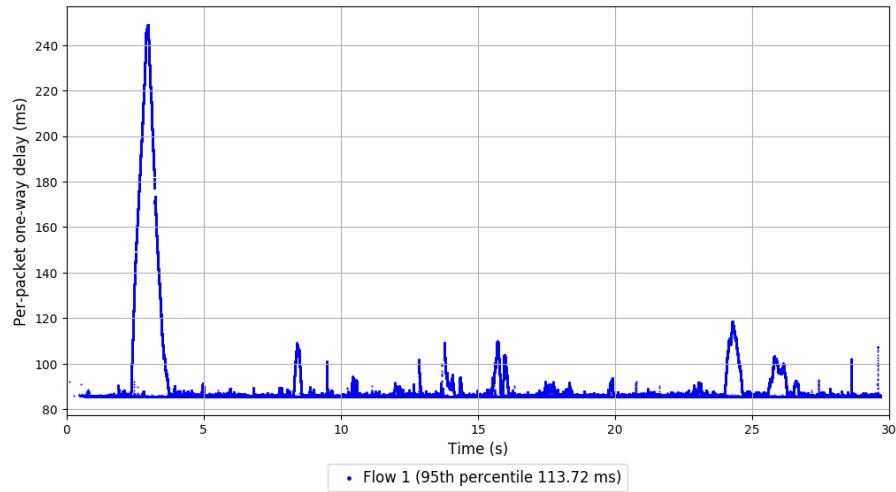
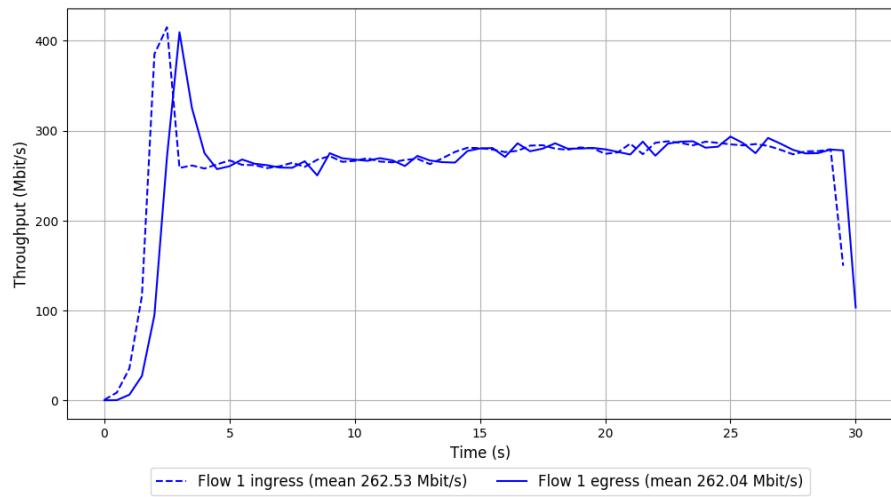


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-05 14:29:04
End at: 2018-06-05 14:29:34
Local clock offset: -0.426 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-06-05 18:25:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 262.04 Mbit/s
95th percentile per-packet one-way delay: 113.721 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 262.04 Mbit/s
95th percentile per-packet one-way delay: 113.721 ms
Loss rate: 0.79%
```

Run 1: Report of PCC-Allegro — Data Link

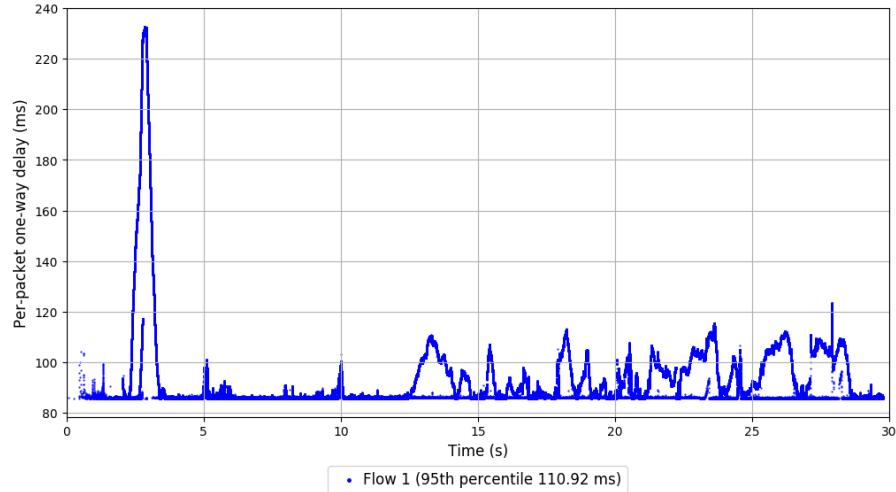
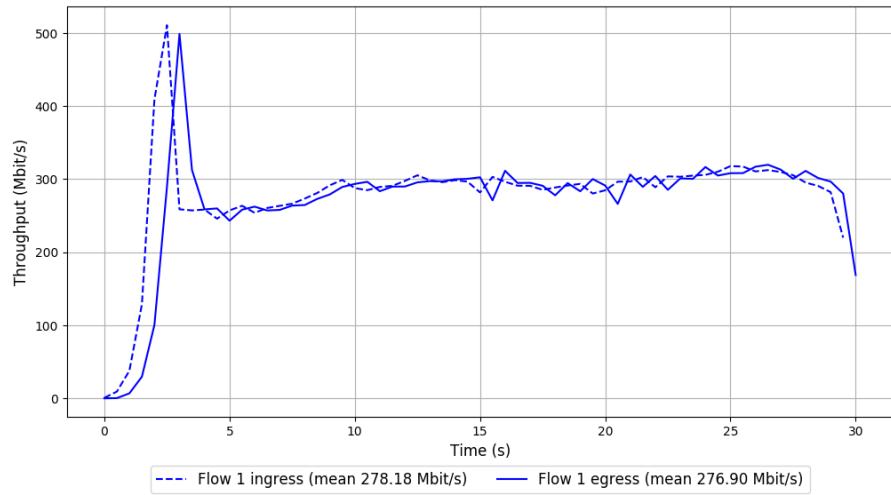


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-05 14:48:37
End at: 2018-06-05 14:49:07
Local clock offset: -0.217 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-06-05 18:25:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 276.90 Mbit/s
95th percentile per-packet one-way delay: 110.917 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 276.90 Mbit/s
95th percentile per-packet one-way delay: 110.917 ms
Loss rate: 1.04%
```

Run 2: Report of PCC-Allegro — Data Link

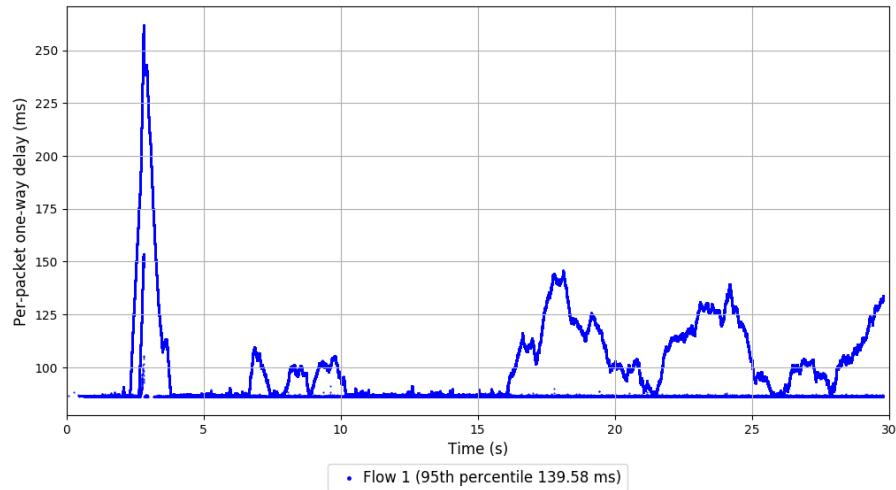
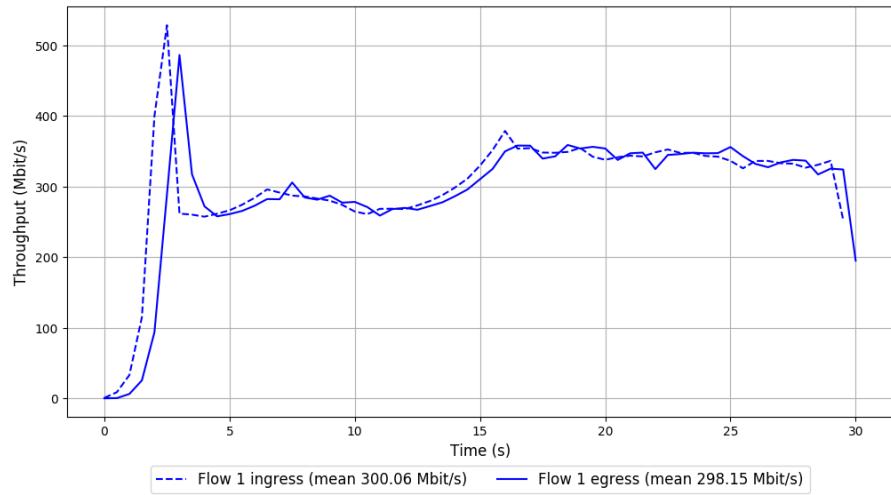


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-05 15:08:40
End at: 2018-06-05 15:09:10
Local clock offset: 0.089 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-06-05 18:25:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 298.15 Mbit/s
95th percentile per-packet one-way delay: 139.584 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 298.15 Mbit/s
95th percentile per-packet one-way delay: 139.584 ms
Loss rate: 1.21%
```

Run 3: Report of PCC-Allegro — Data Link

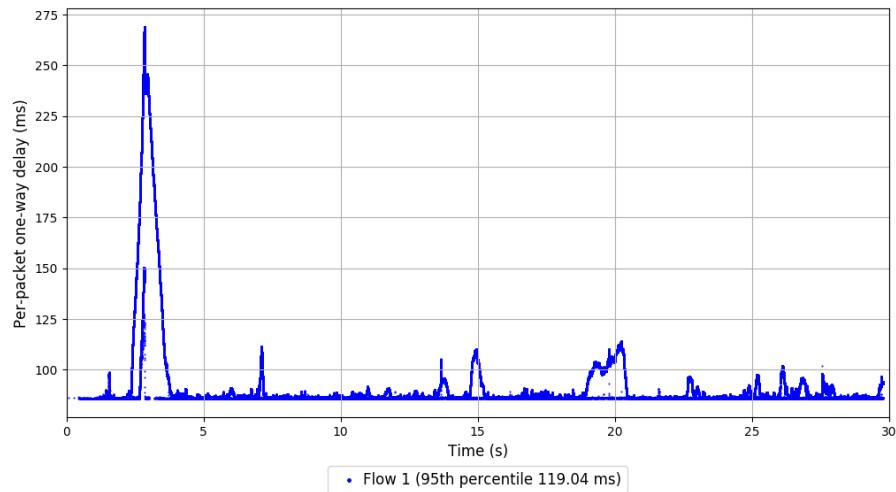
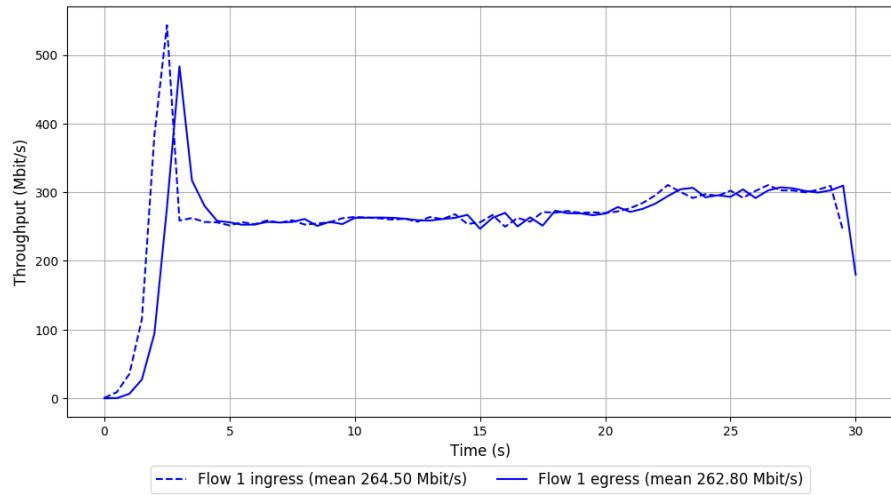


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-05 15:28:57
End at: 2018-06-05 15:29:27
Local clock offset: -0.165 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-06-05 18:25:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 262.80 Mbit/s
95th percentile per-packet one-way delay: 119.042 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 262.80 Mbit/s
95th percentile per-packet one-way delay: 119.042 ms
Loss rate: 1.22%
```

Run 4: Report of PCC-Allegro — Data Link

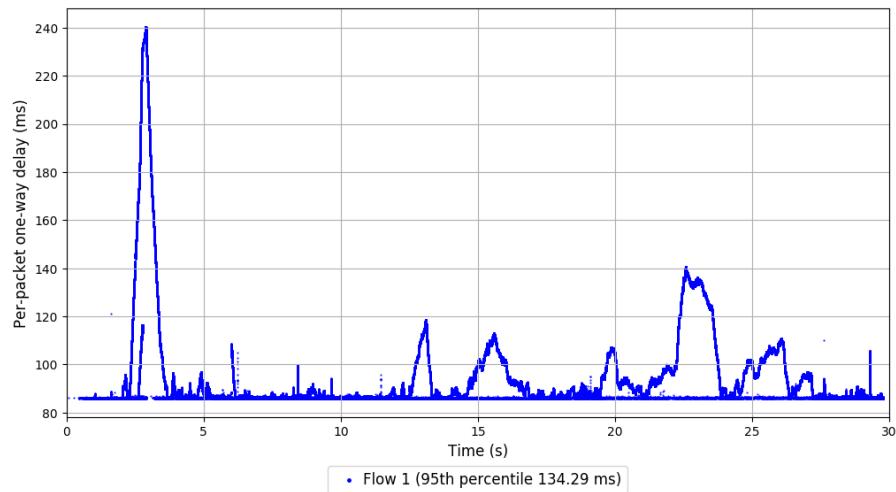
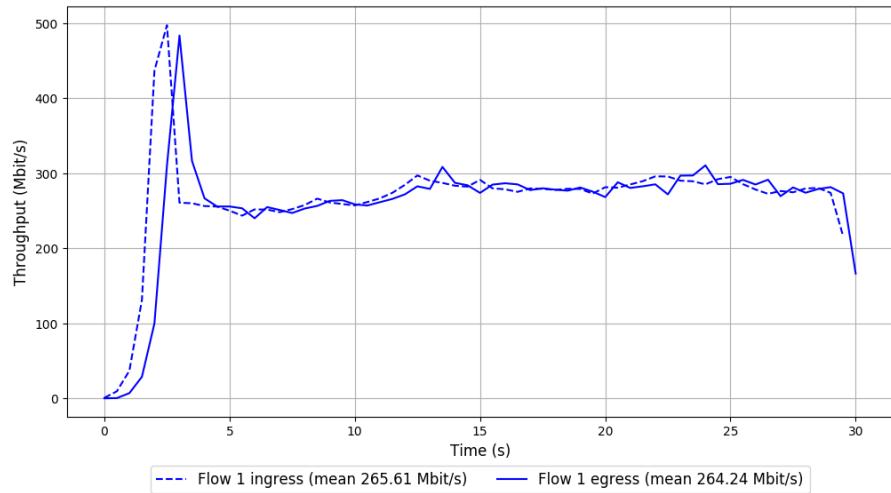


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-05 15:49:12
End at: 2018-06-05 15:49:42
Local clock offset: -0.053 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-06-05 18:26:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.24 Mbit/s
95th percentile per-packet one-way delay: 134.287 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 264.24 Mbit/s
95th percentile per-packet one-way delay: 134.287 ms
Loss rate: 1.09%
```

Run 5: Report of PCC-Allegro — Data Link

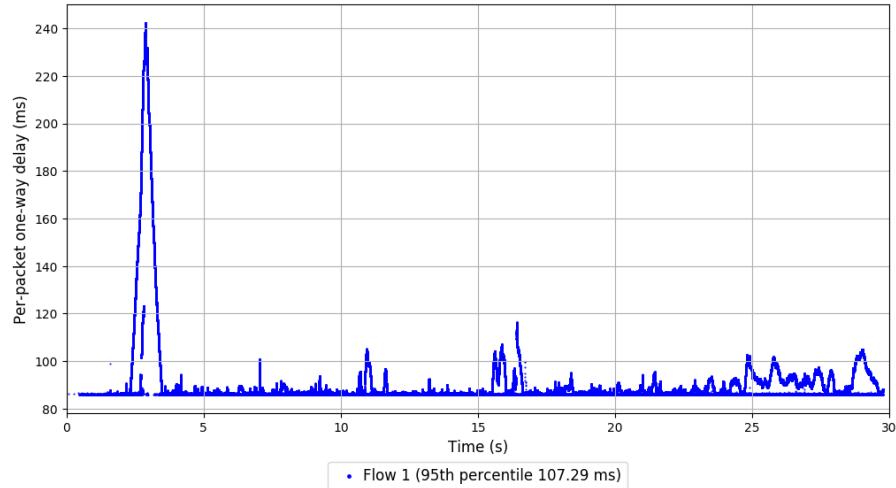
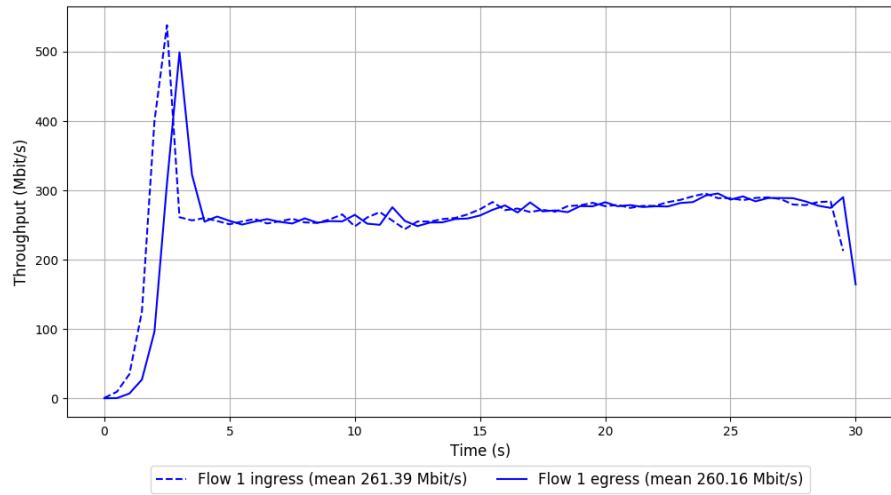


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-05 16:09:01
End at: 2018-06-05 16:09:31
Local clock offset: 0.134 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-06-05 18:26:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.16 Mbit/s
95th percentile per-packet one-way delay: 107.290 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 260.16 Mbit/s
95th percentile per-packet one-way delay: 107.290 ms
Loss rate: 1.04%
```

Run 6: Report of PCC-Allegro — Data Link

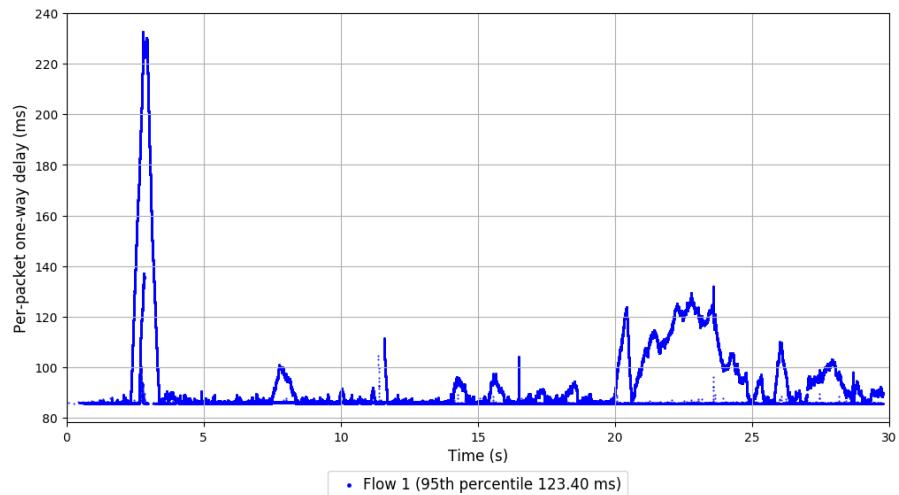
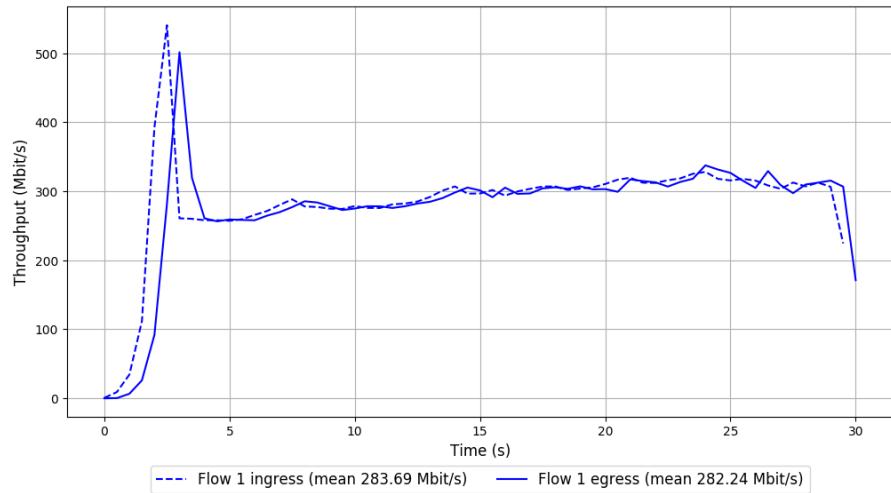


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-05 16:29:06
End at: 2018-06-05 16:29:36
Local clock offset: -0.064 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-06-05 18:27:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 282.24 Mbit/s
95th percentile per-packet one-way delay: 123.404 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 282.24 Mbit/s
95th percentile per-packet one-way delay: 123.404 ms
Loss rate: 1.09%
```

Run 7: Report of PCC-Allegro — Data Link

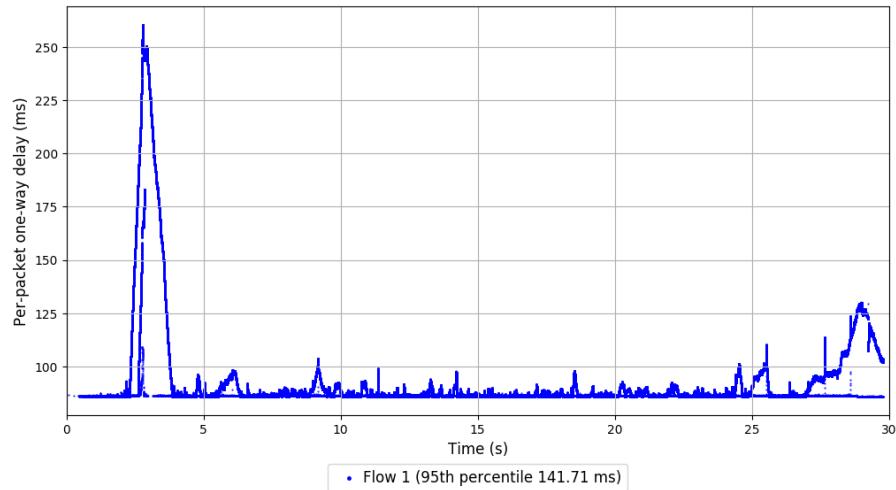
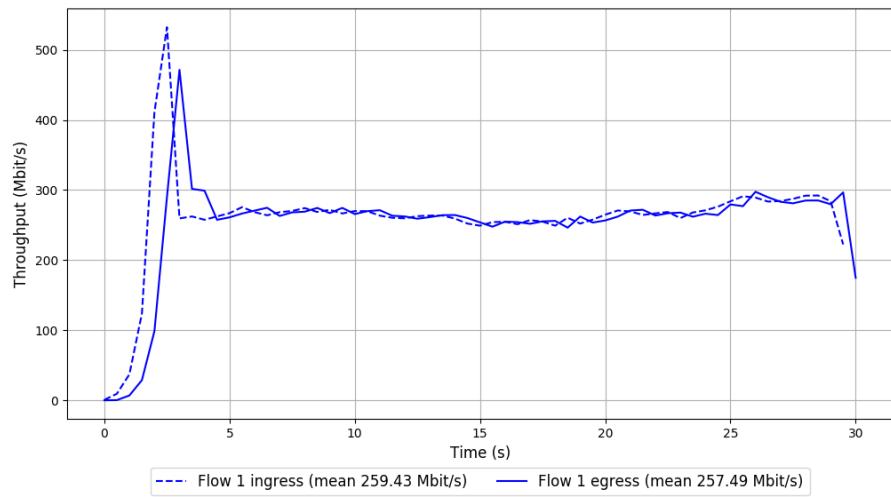


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-05 16:49:21
End at: 2018-06-05 16:49:51
Local clock offset: 0.059 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2018-06-05 18:28:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 257.49 Mbit/s
95th percentile per-packet one-way delay: 141.712 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 257.49 Mbit/s
95th percentile per-packet one-way delay: 141.712 ms
Loss rate: 1.32%
```

Run 8: Report of PCC-Allegro — Data Link

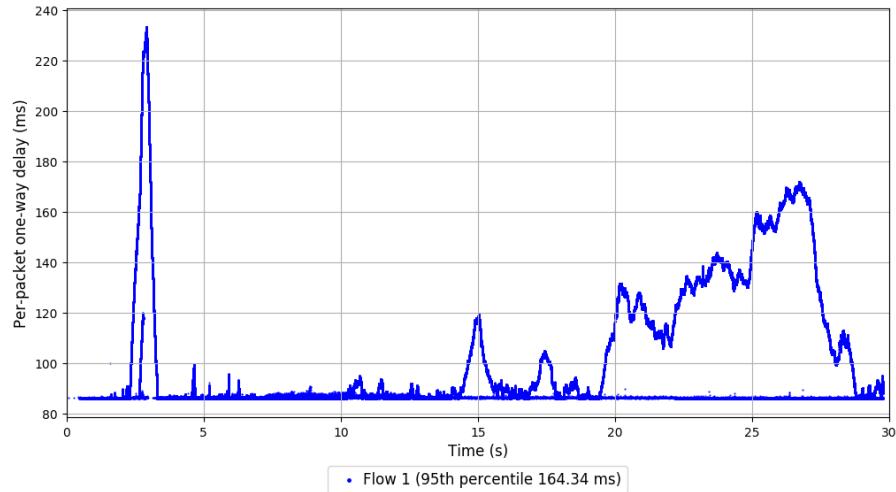
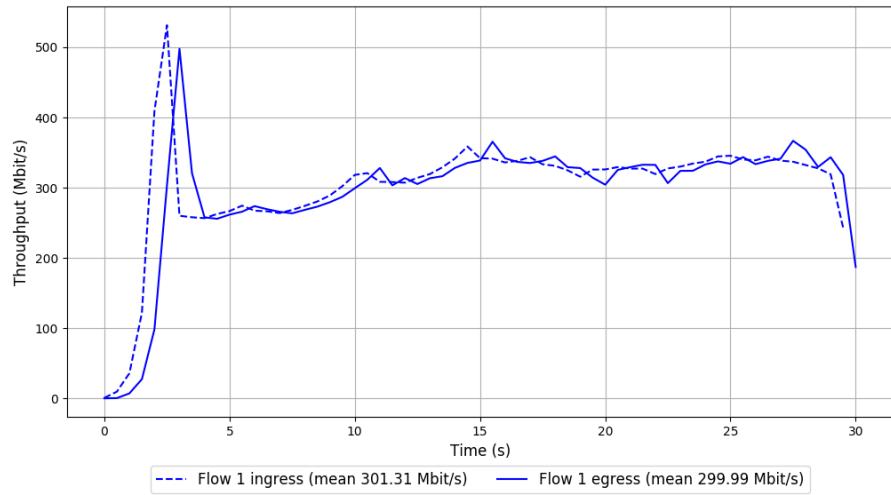


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-05 17:09:28
End at: 2018-06-05 17:09:58
Local clock offset: 0.33 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-06-05 18:29:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 299.99 Mbit/s
95th percentile per-packet one-way delay: 164.342 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 299.99 Mbit/s
95th percentile per-packet one-way delay: 164.342 ms
Loss rate: 1.01%
```

Run 9: Report of PCC-Allegro — Data Link

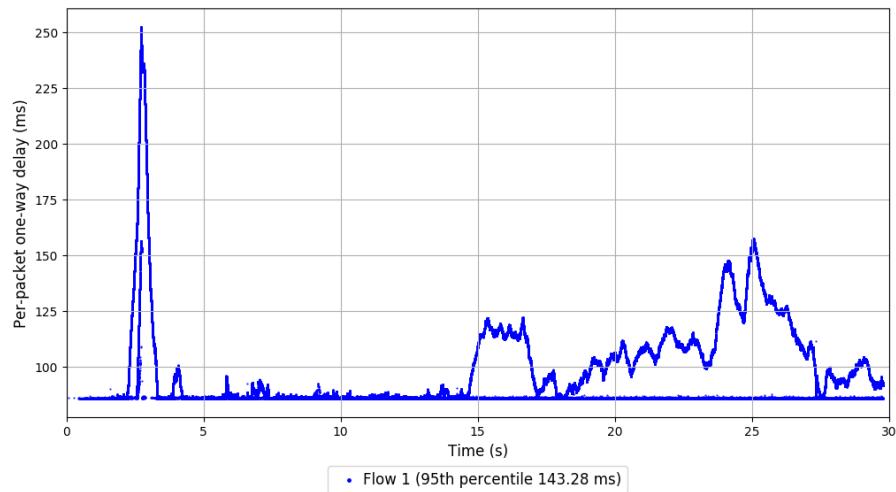
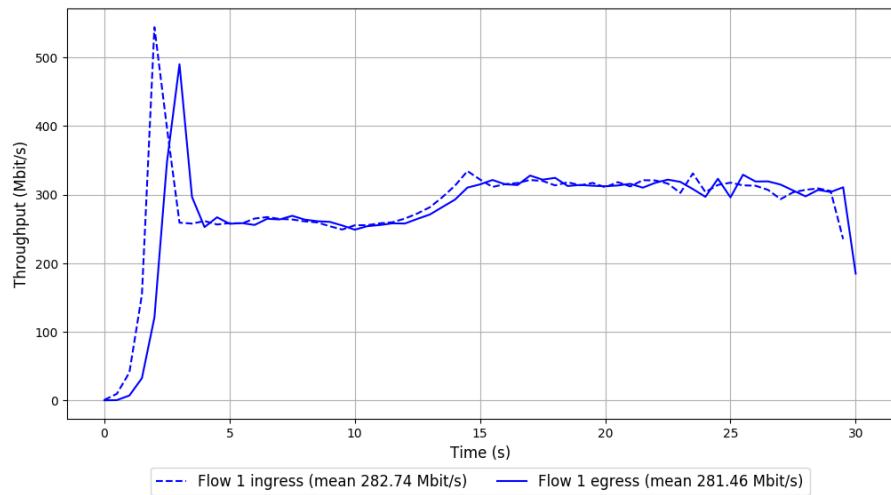


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-05 17:29:43
End at: 2018-06-05 17:30:13
Local clock offset: 0.049 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-06-05 18:29:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 281.46 Mbit/s
95th percentile per-packet one-way delay: 143.279 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 281.46 Mbit/s
95th percentile per-packet one-way delay: 143.279 ms
Loss rate: 1.03%
```

Run 10: Report of PCC-Allegro — Data Link

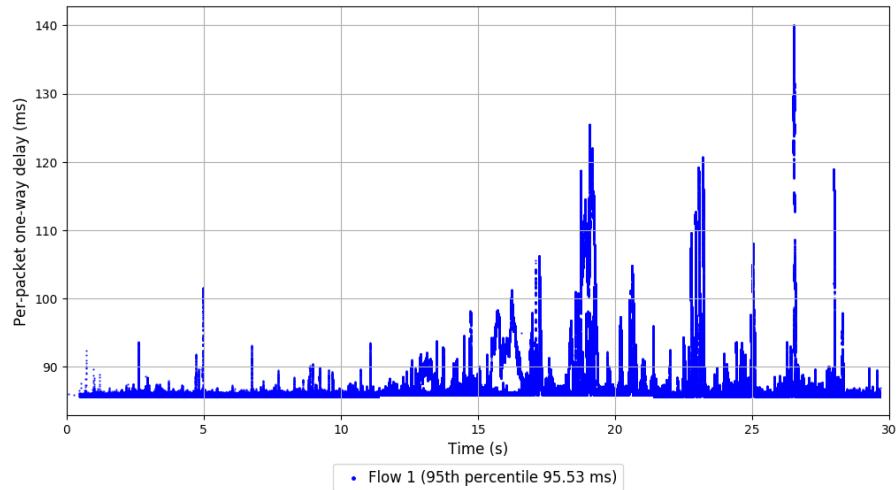
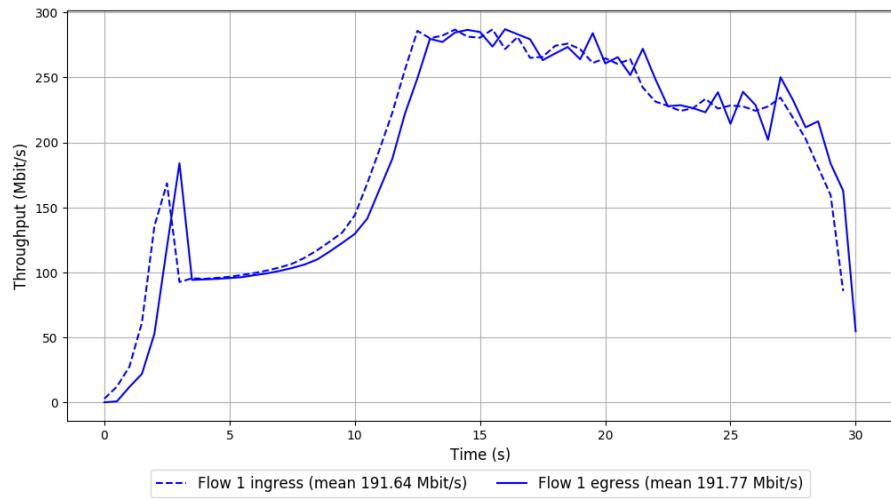


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-05 14:31:28
End at: 2018-06-05 14:31:59
Local clock offset: -0.314 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-06-05 18:31:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.77 Mbit/s
95th percentile per-packet one-way delay: 95.532 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 191.77 Mbit/s
95th percentile per-packet one-way delay: 95.532 ms
Loss rate: 0.51%
```

Run 1: Report of PCC-Expr — Data Link

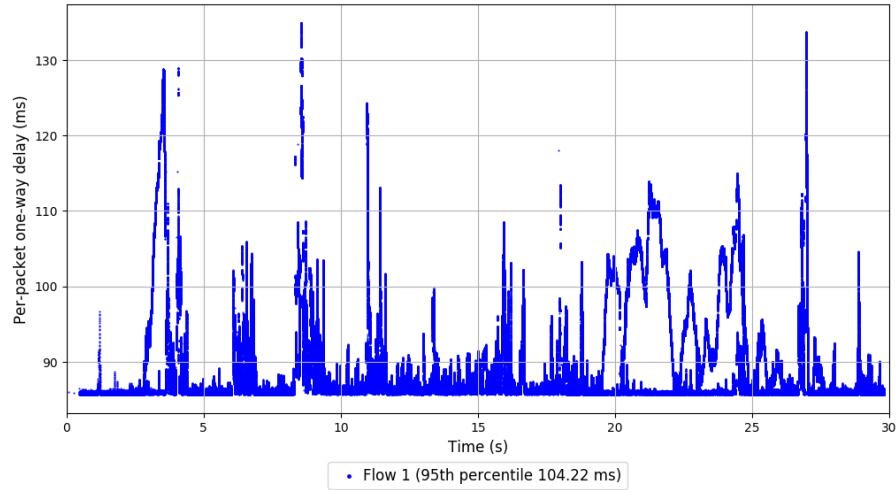
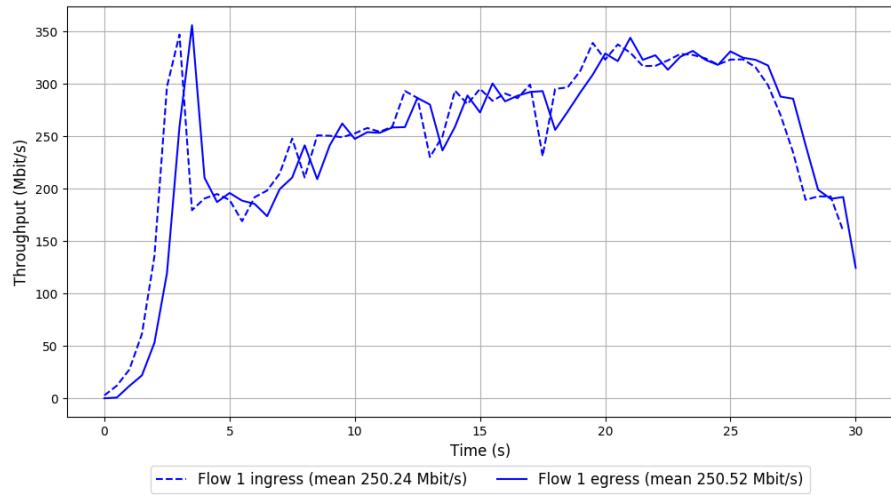


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-05 14:51:02
End at: 2018-06-05 14:51:32
Local clock offset: -0.225 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-06-05 18:33:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.52 Mbit/s
95th percentile per-packet one-way delay: 104.225 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 250.52 Mbit/s
95th percentile per-packet one-way delay: 104.225 ms
Loss rate: 0.47%
```

Run 2: Report of PCC-Expr — Data Link

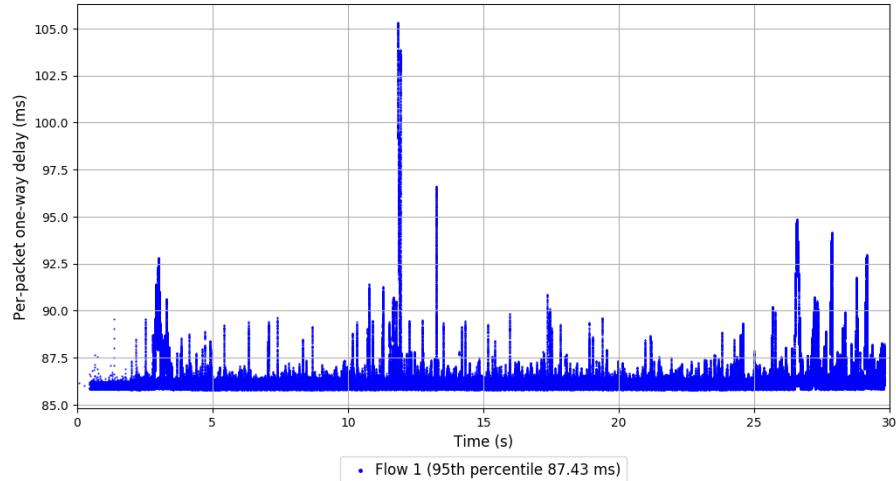
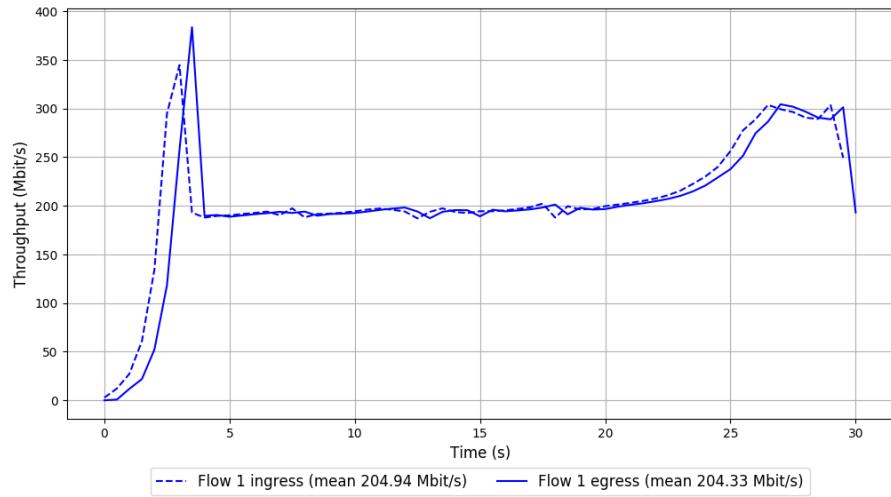


```
Run 3: Statistics of PCC-Expr
```

```
Start at: 2018-06-05 15:11:06
End at: 2018-06-05 15:11:36
Local clock offset: -0.143 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2018-06-05 18:33:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.33 Mbit/s
95th percentile per-packet one-way delay: 87.429 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 204.33 Mbit/s
95th percentile per-packet one-way delay: 87.429 ms
Loss rate: 0.88%
```

Run 3: Report of PCC-Expr — Data Link

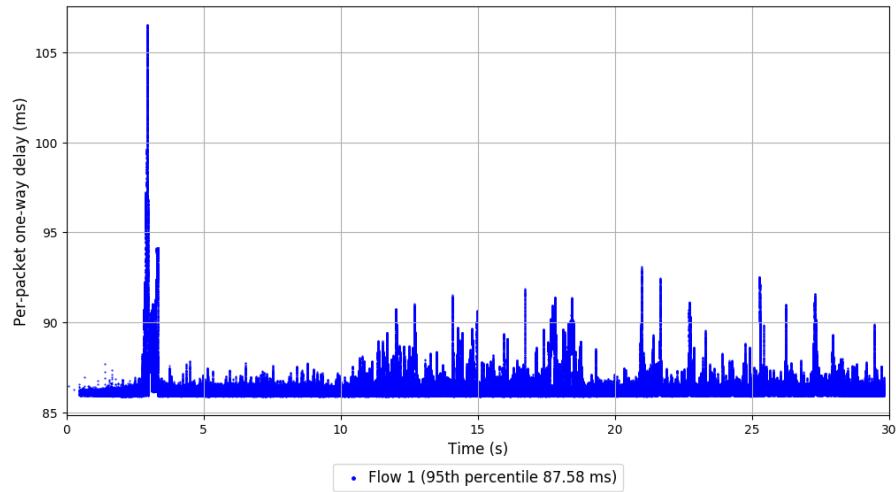
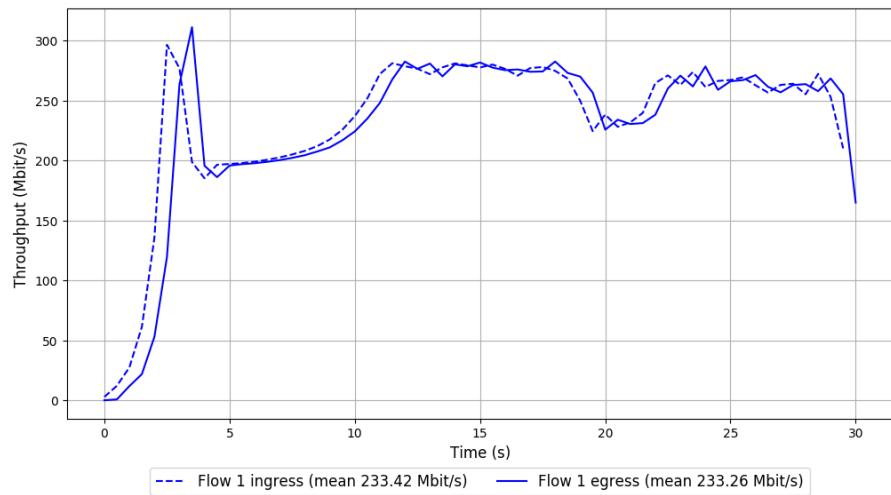


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-05 15:31:21
End at: 2018-06-05 15:31:51
Local clock offset: 0.062 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-06-05 18:34:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.26 Mbit/s
95th percentile per-packet one-way delay: 87.580 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 233.26 Mbit/s
95th percentile per-packet one-way delay: 87.580 ms
Loss rate: 0.64%
```

Run 4: Report of PCC-Expr — Data Link

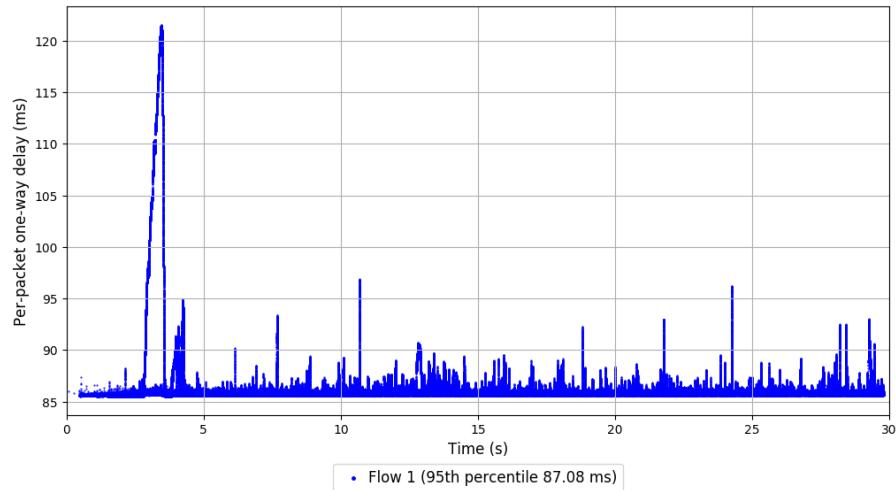
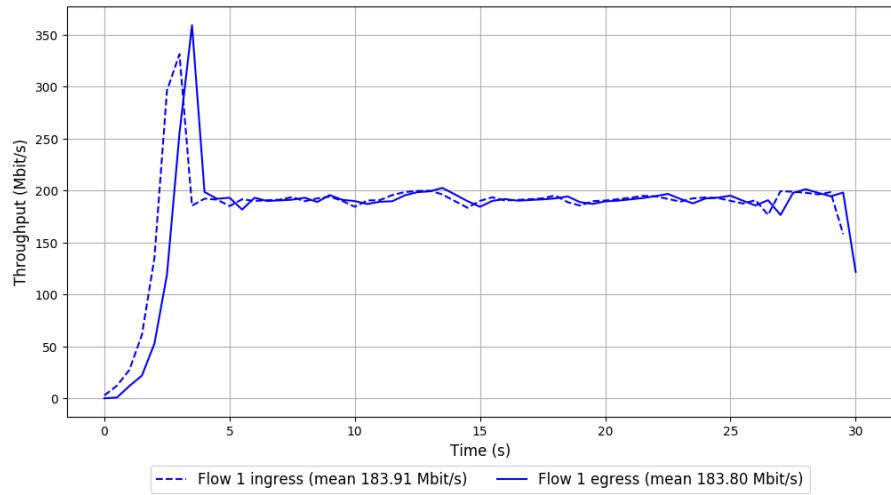


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-05 15:51:36
End at: 2018-06-05 15:52:06
Local clock offset: -0.318 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-06-05 18:34:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.80 Mbit/s
95th percentile per-packet one-way delay: 87.076 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 183.80 Mbit/s
95th percentile per-packet one-way delay: 87.076 ms
Loss rate: 0.64%
```

Run 5: Report of PCC-Expr — Data Link

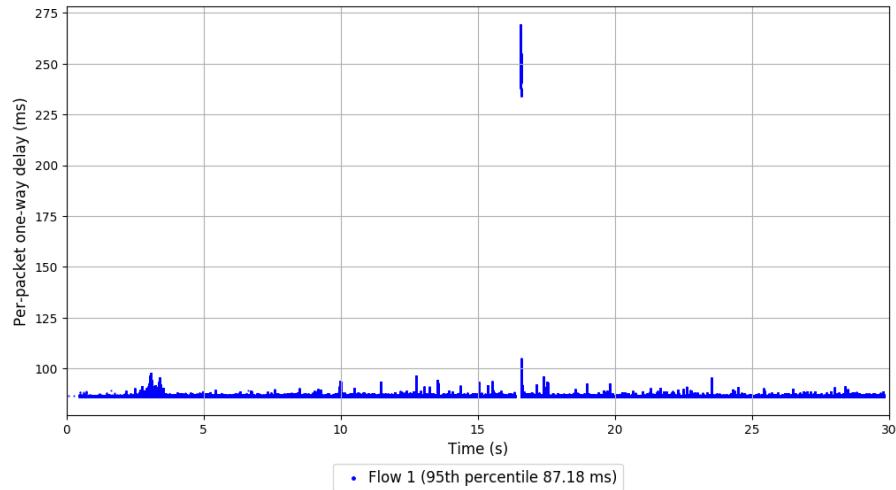
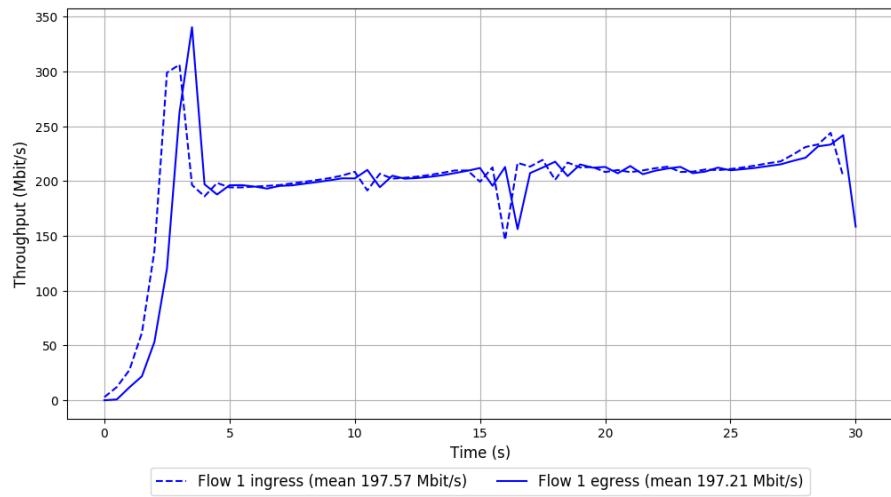


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-05 16:11:26
End at: 2018-06-05 16:11:56
Local clock offset: 0.303 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-06-05 18:35:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.21 Mbit/s
95th percentile per-packet one-way delay: 87.180 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 197.21 Mbit/s
95th percentile per-packet one-way delay: 87.180 ms
Loss rate: 0.76%
```

Run 6: Report of PCC-Expr — Data Link

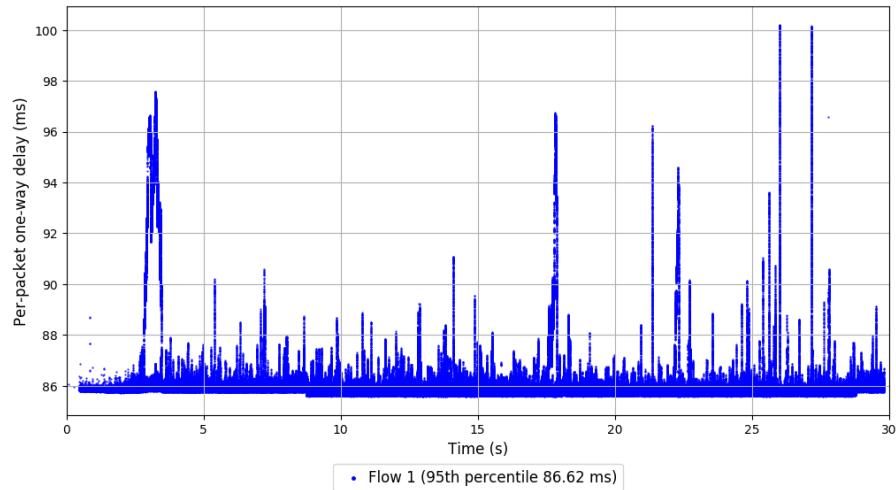
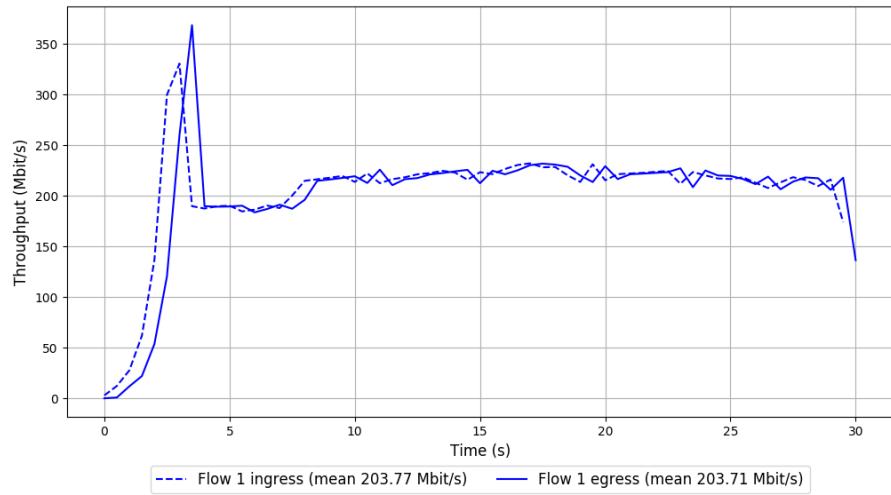


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-05 16:31:31
End at: 2018-06-05 16:32:01
Local clock offset: -0.13 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-06-05 18:36:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.71 Mbit/s
95th percentile per-packet one-way delay: 86.620 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 203.71 Mbit/s
95th percentile per-packet one-way delay: 86.620 ms
Loss rate: 0.61%
```

Run 7: Report of PCC-Expr — Data Link

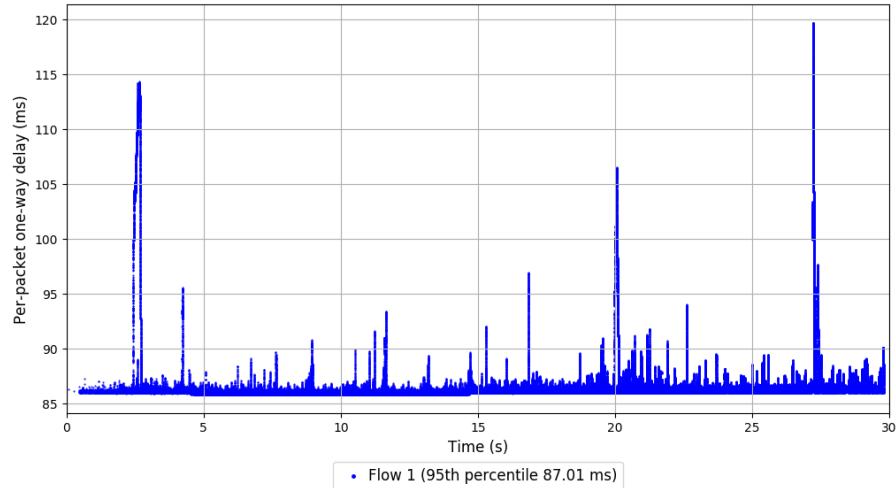
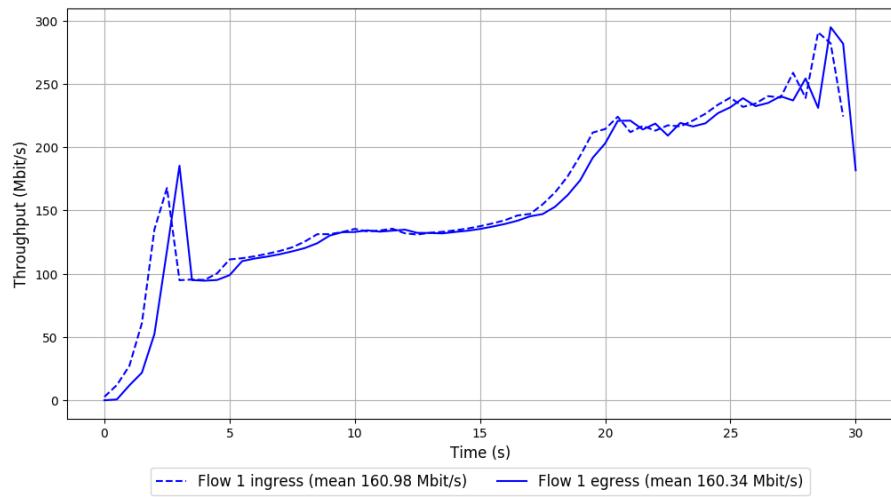


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-05 16:51:46
End at: 2018-06-05 16:52:16
Local clock offset: 0.106 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-06-05 18:36:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.34 Mbit/s
95th percentile per-packet one-way delay: 87.012 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 160.34 Mbit/s
95th percentile per-packet one-way delay: 87.012 ms
Loss rate: 0.98%
```

Run 8: Report of PCC-Expr — Data Link

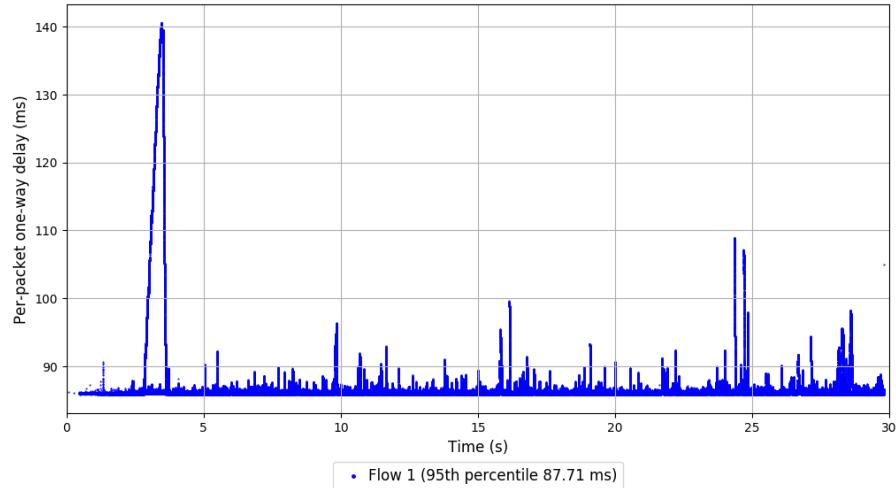
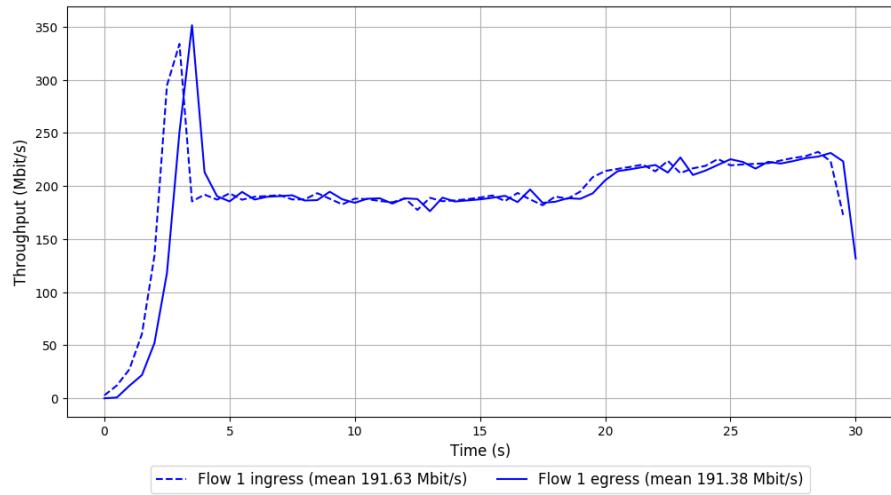


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-05 17:11:53
End at: 2018-06-05 17:12:24
Local clock offset: 0.048 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-06-05 18:37:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.38 Mbit/s
95th percentile per-packet one-way delay: 87.714 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 191.38 Mbit/s
95th percentile per-packet one-way delay: 87.714 ms
Loss rate: 0.71%
```

Run 9: Report of PCC-Expr — Data Link

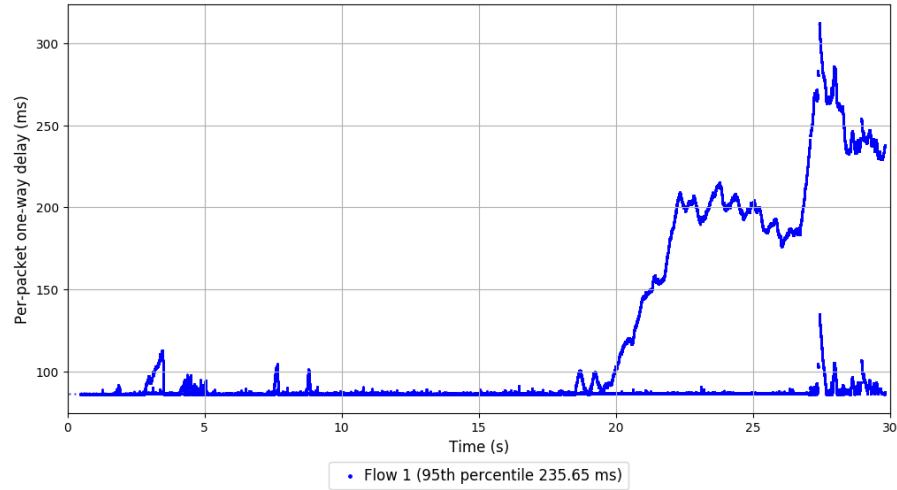
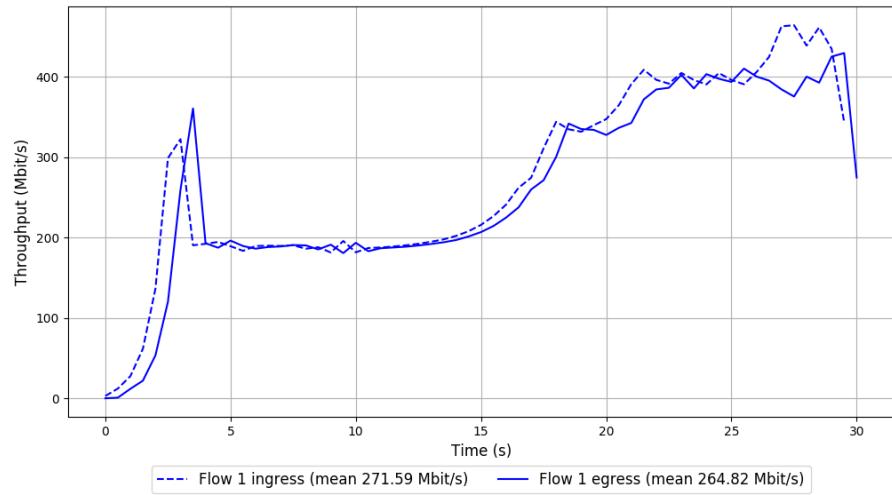


```
Run 10: Statistics of PCC-Expr
```

```
Start at: 2018-06-05 17:32:07
End at: 2018-06-05 17:32:37
Local clock offset: 0.073 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.82 Mbit/s
95th percentile per-packet one-way delay: 235.652 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 264.82 Mbit/s
95th percentile per-packet one-way delay: 235.652 ms
Loss rate: 3.06%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

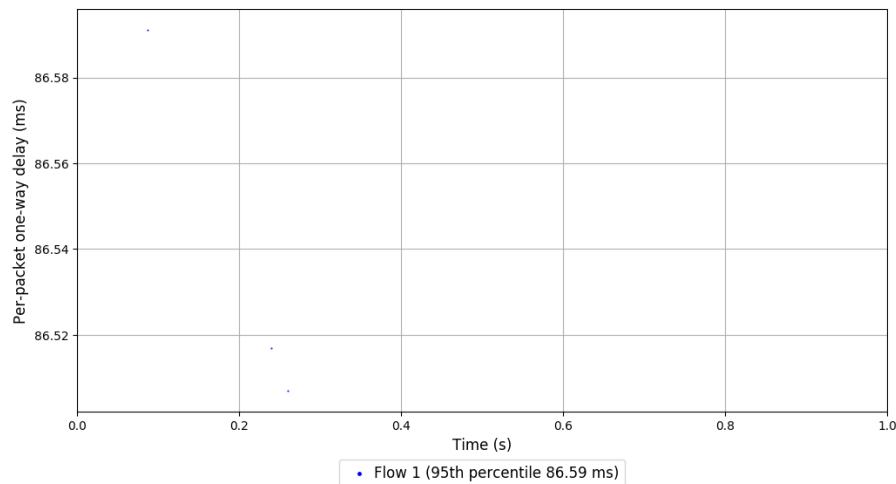
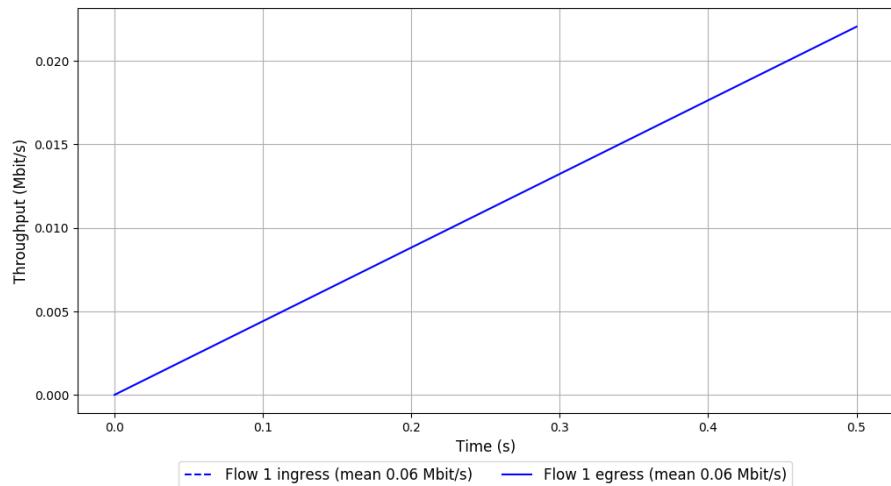
Start at: 2018-06-05 14:45:05

End at: 2018-06-05 14:45:35

Local clock offset: -0.072 ms

Remote clock offset: -0.079 ms

Run 1: Report of QUIC Cubic — Data Link

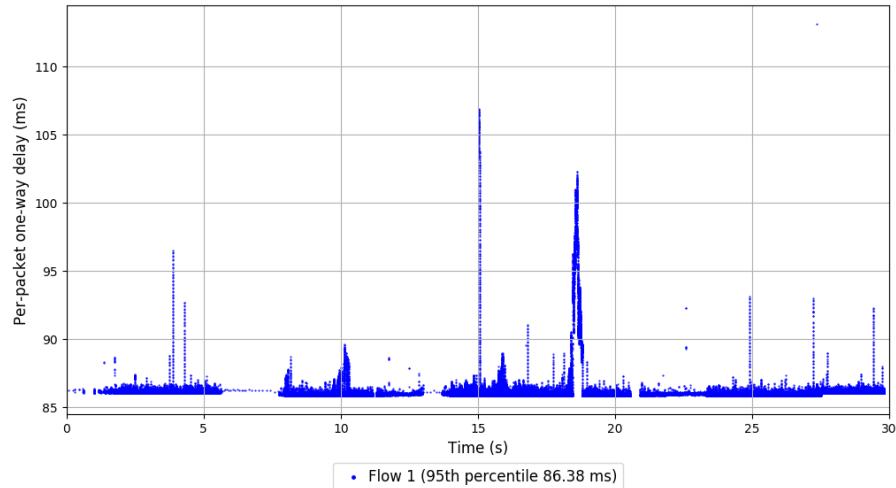
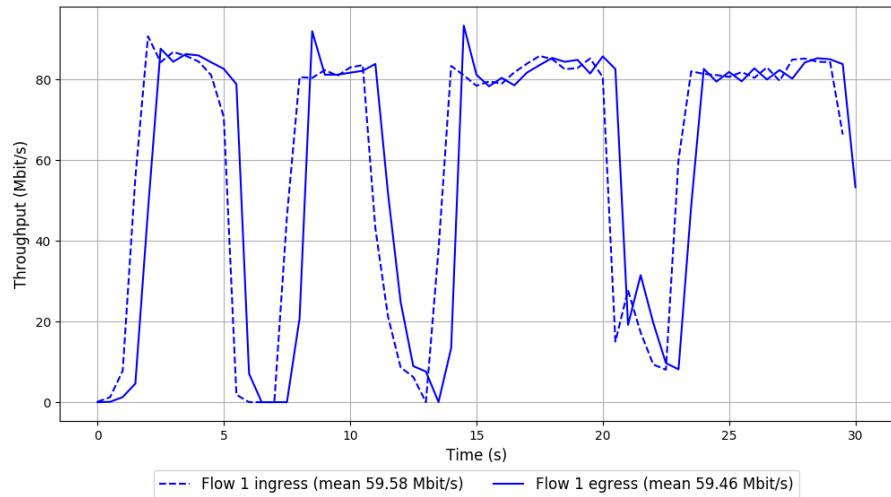


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-05 15:05:03
End at: 2018-06-05 15:05:33
Local clock offset: 0.02 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 86.382 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 86.382 ms
Loss rate: 0.77%
```

Run 2: Report of QUIC Cubic — Data Link

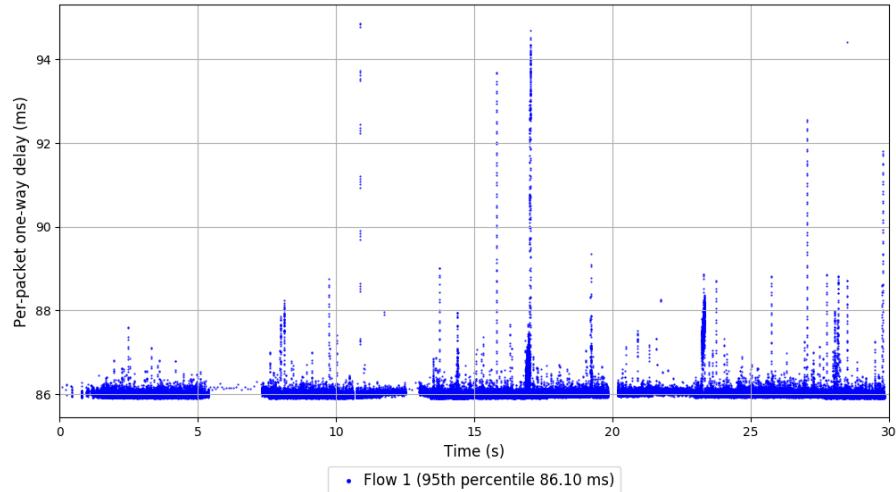
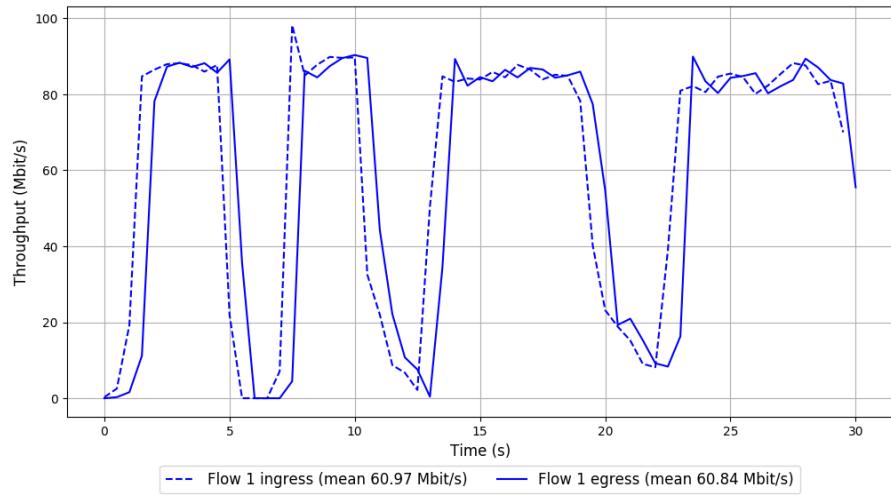


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-05 15:25:23
End at: 2018-06-05 15:25:53
Local clock offset: 0.028 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.84 Mbit/s
95th percentile per-packet one-way delay: 86.103 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 60.84 Mbit/s
95th percentile per-packet one-way delay: 86.103 ms
Loss rate: 0.80%
```

Run 3: Report of QUIC Cubic — Data Link

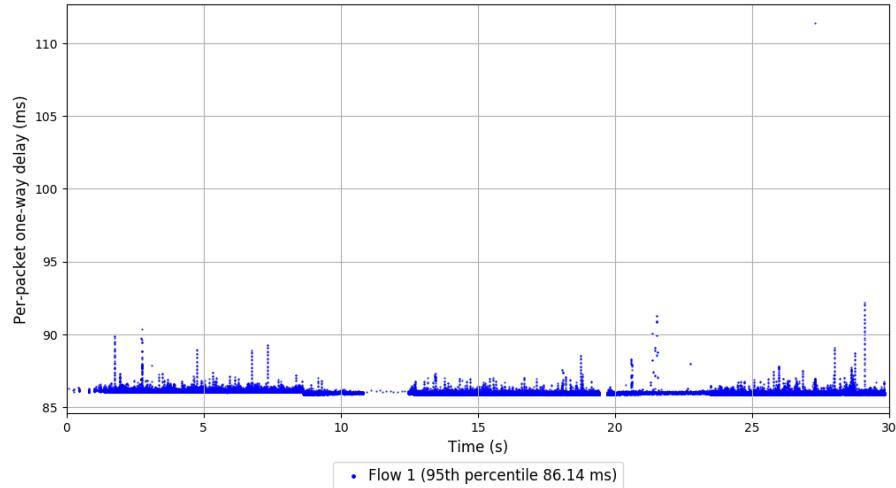
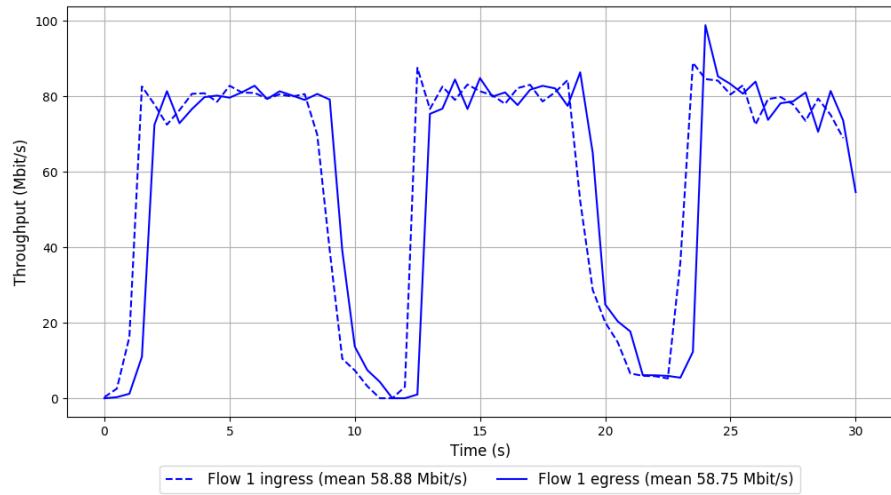


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-05 15:45:32
End at: 2018-06-05 15:46:02
Local clock offset: 0.101 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 86.143 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 86.143 ms
Loss rate: 0.80%
```

Run 4: Report of QUIC Cubic — Data Link

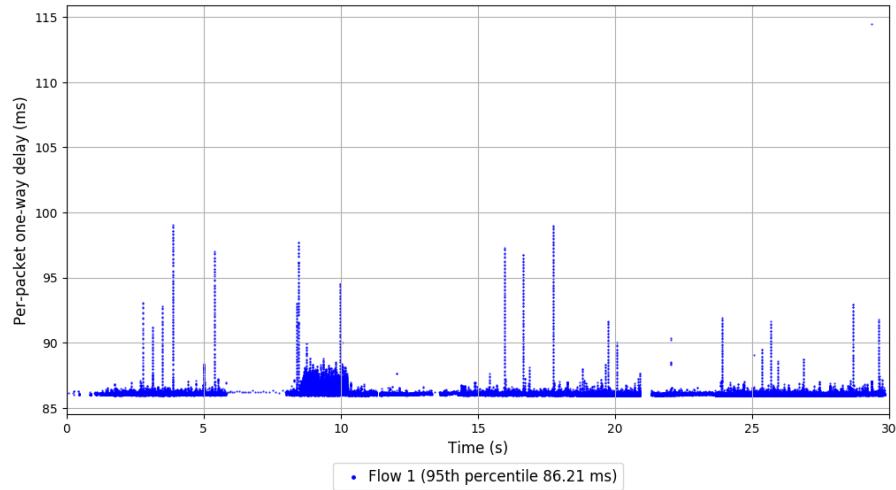
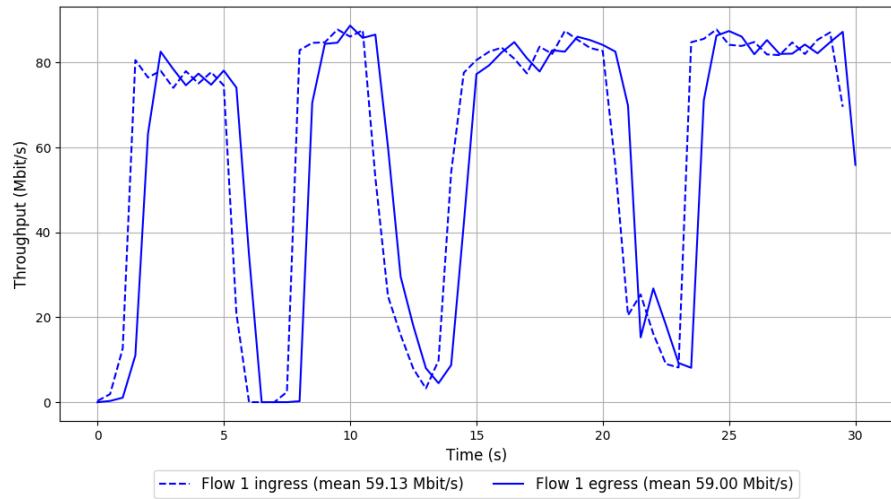


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-05 16:05:21
End at: 2018-06-05 16:05:52
Local clock offset: 0.063 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 86.210 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 86.210 ms
Loss rate: 0.80%
```

Run 5: Report of QUIC Cubic — Data Link

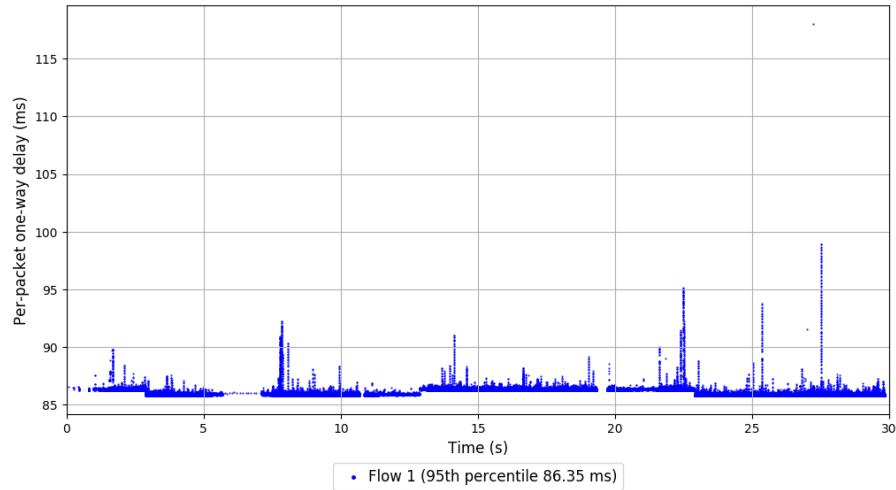
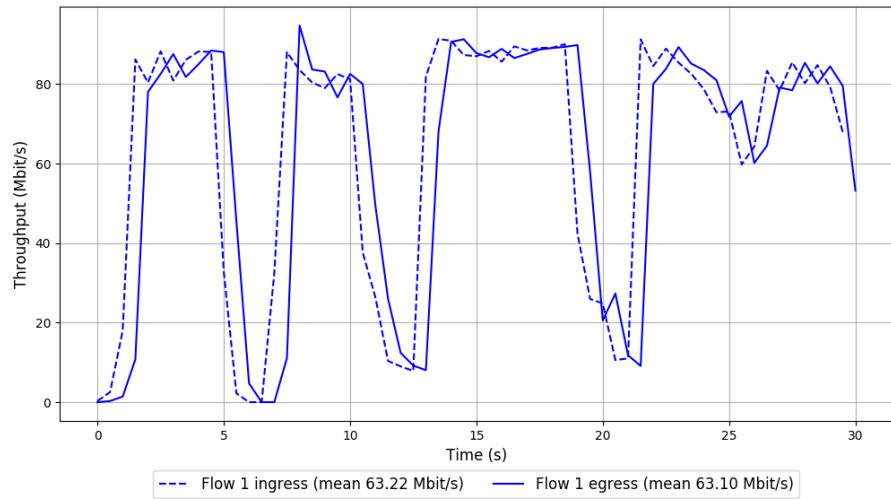


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-05 16:25:27
End at: 2018-06-05 16:25:57
Local clock offset: 0.026 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 86.346 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 86.346 ms
Loss rate: 0.77%
```

Run 6: Report of QUIC Cubic — Data Link

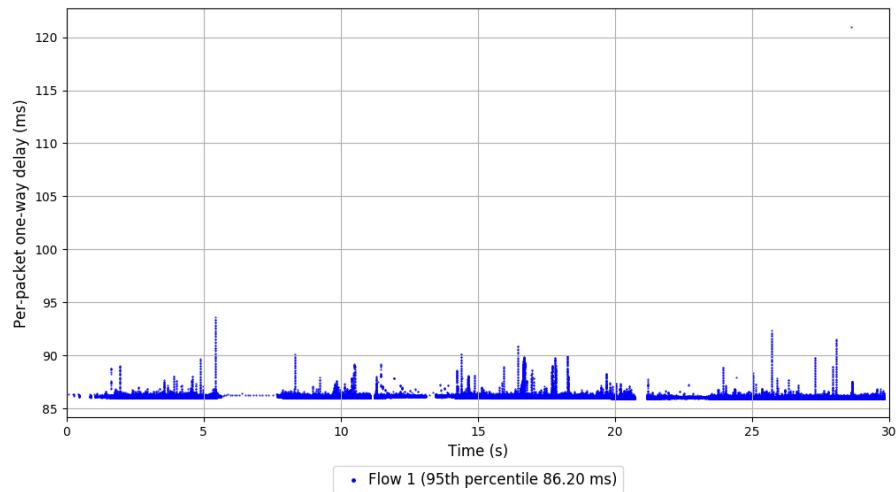
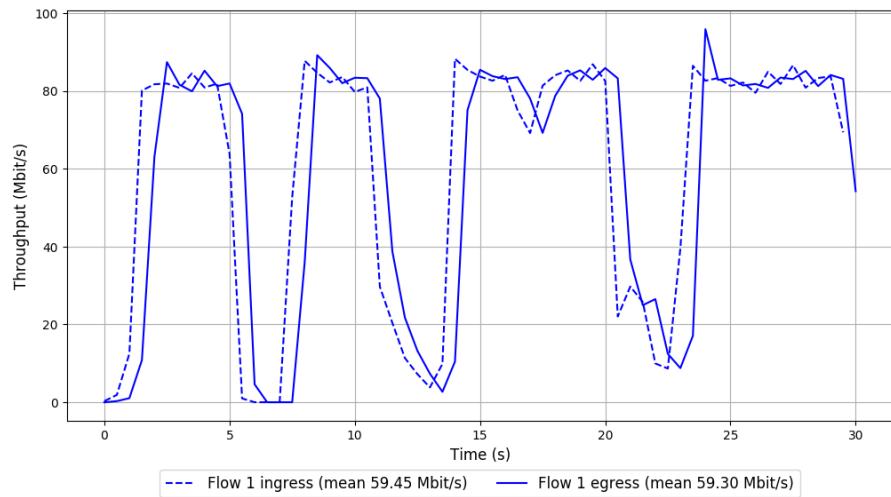


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-05 16:45:40
End at: 2018-06-05 16:46:10
Local clock offset: 0.125 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 86.199 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 86.199 ms
Loss rate: 0.83%
```

Run 7: Report of QUIC Cubic — Data Link

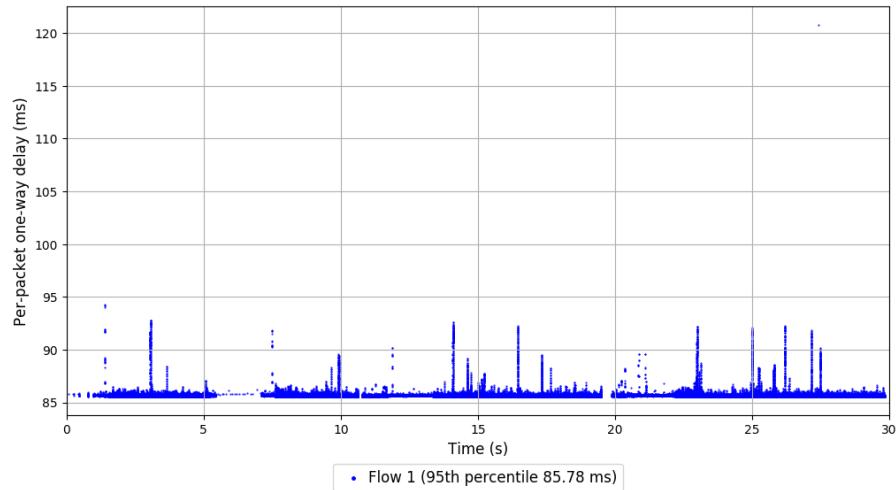
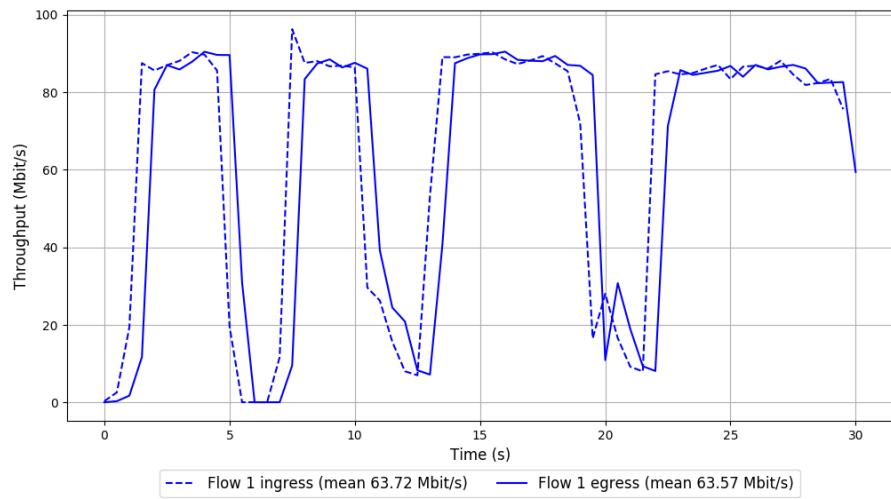


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-05 17:05:51
End at: 2018-06-05 17:06:21
Local clock offset: -0.14 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 85.783 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 85.783 ms
Loss rate: 0.81%
```

Run 8: Report of QUIC Cubic — Data Link

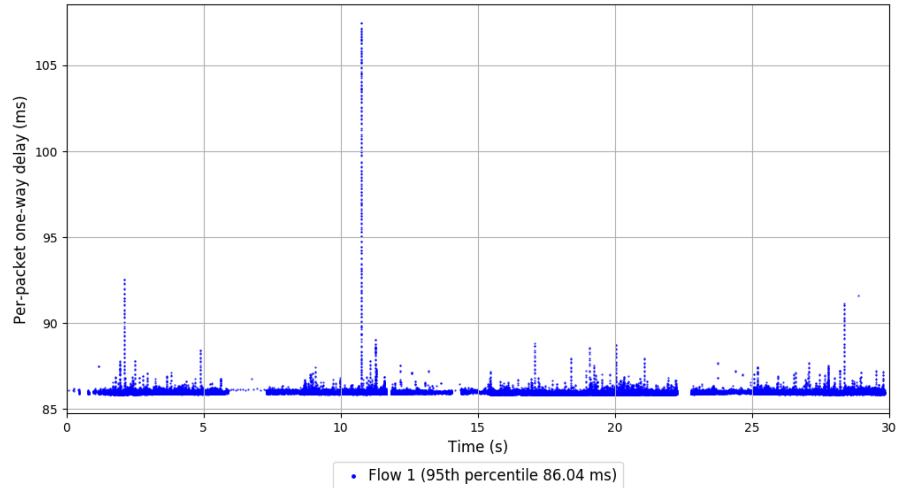
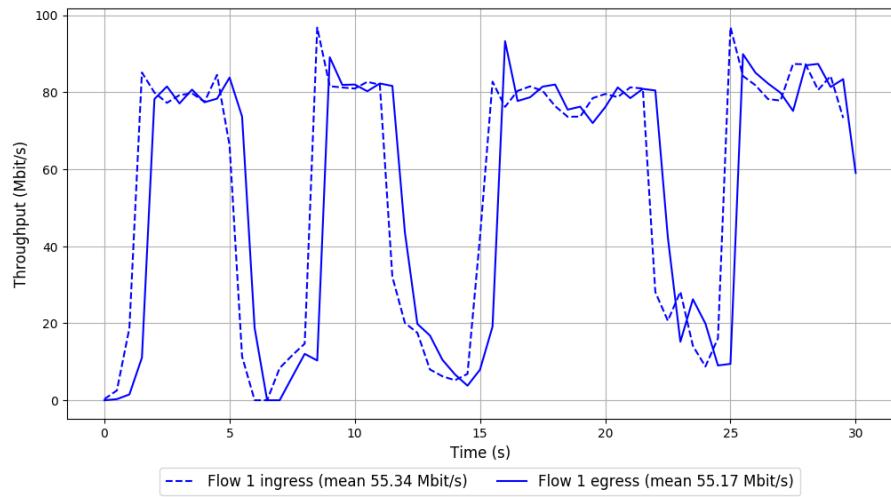


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-05 17:26:07
End at: 2018-06-05 17:26:37
Local clock offset: 0.097 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 86.036 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 86.036 ms
Loss rate: 0.88%
```

Run 9: Report of QUIC Cubic — Data Link

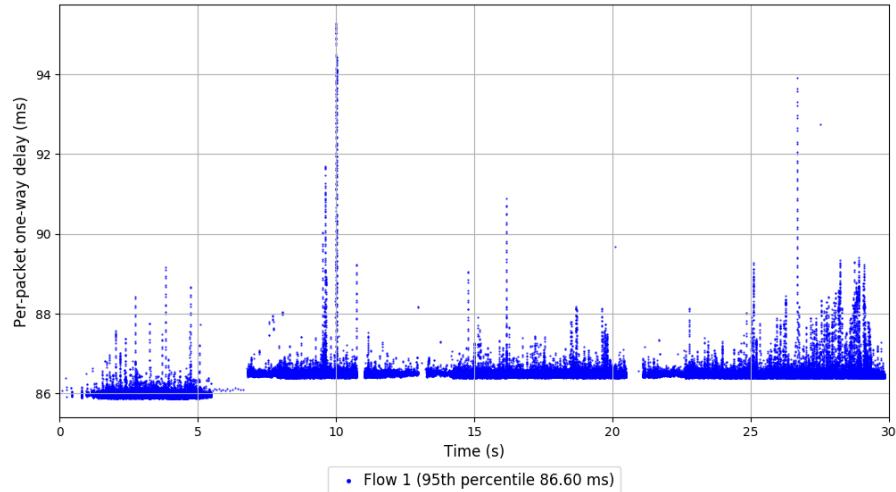
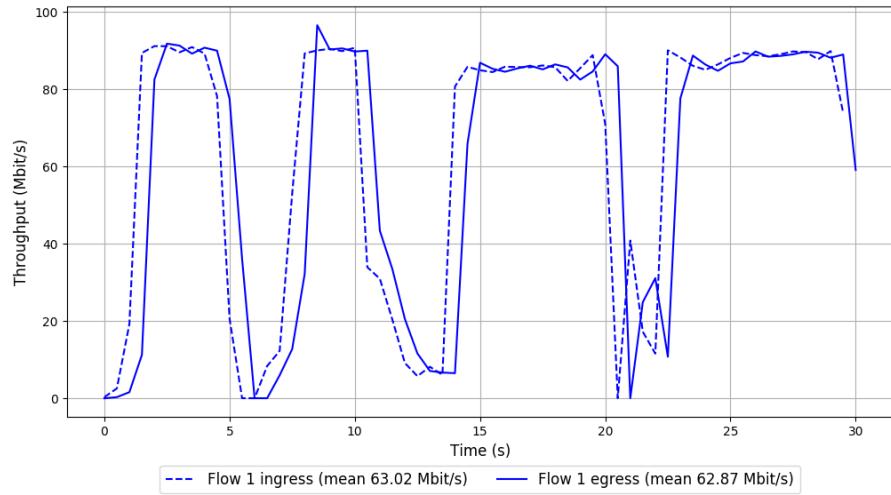


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-05 17:46:24
End at: 2018-06-05 17:46:54
Local clock offset: 0.162 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 86.596 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 86.596 ms
Loss rate: 0.82%
```

Run 10: Report of QUIC Cubic — Data Link

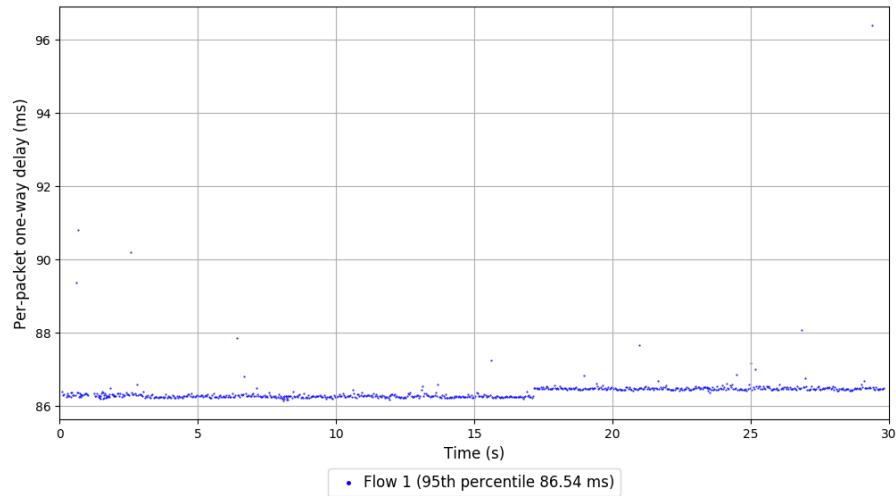
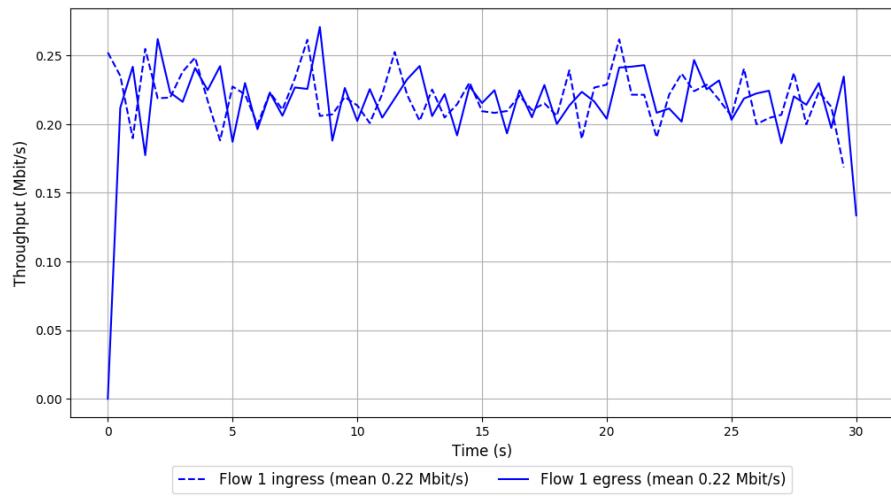


Run 1: Statistics of SCReAM

```
Start at: 2018-06-05 14:36:43
End at: 2018-06-05 14:37:13
Local clock offset: 0.086 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.539 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.539 ms
Loss rate: 0.52%
```

Run 1: Report of SCReAM — Data Link

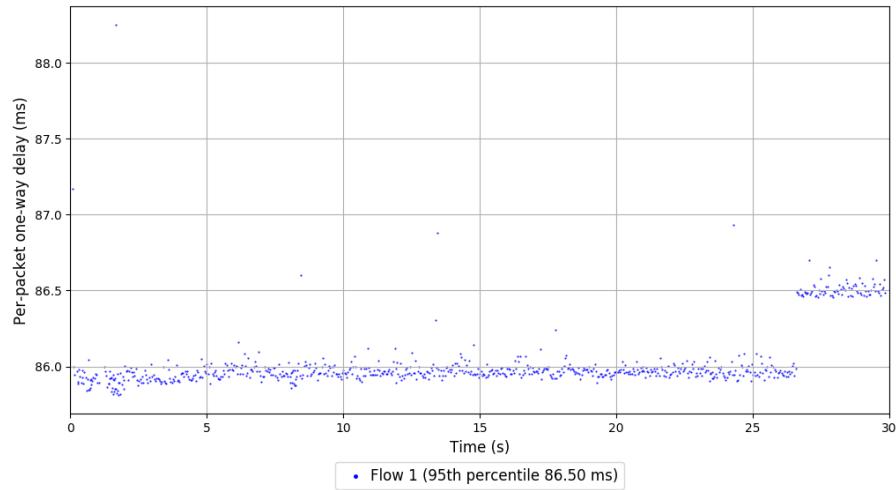
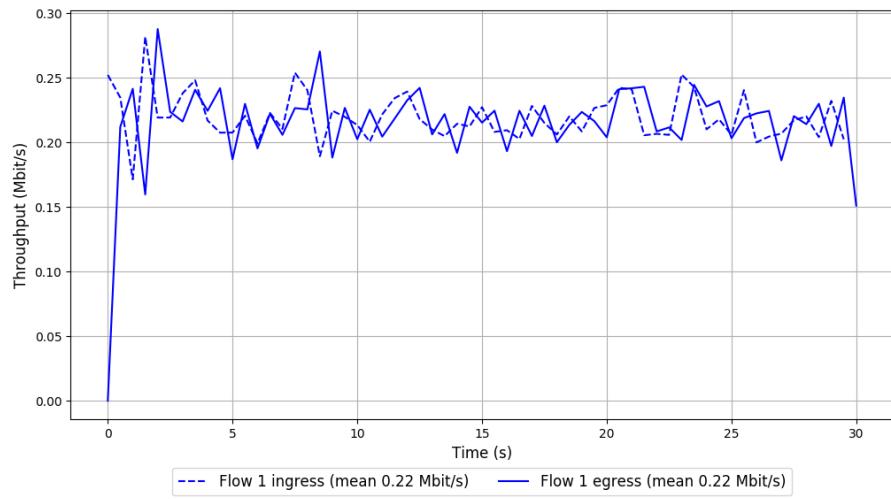


Run 2: Statistics of SCReAM

```
Start at: 2018-06-05 14:56:23
End at: 2018-06-05 14:56:54
Local clock offset: -0.196 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.502 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.502 ms
Loss rate: 0.64%
```

Run 2: Report of SCReAM — Data Link

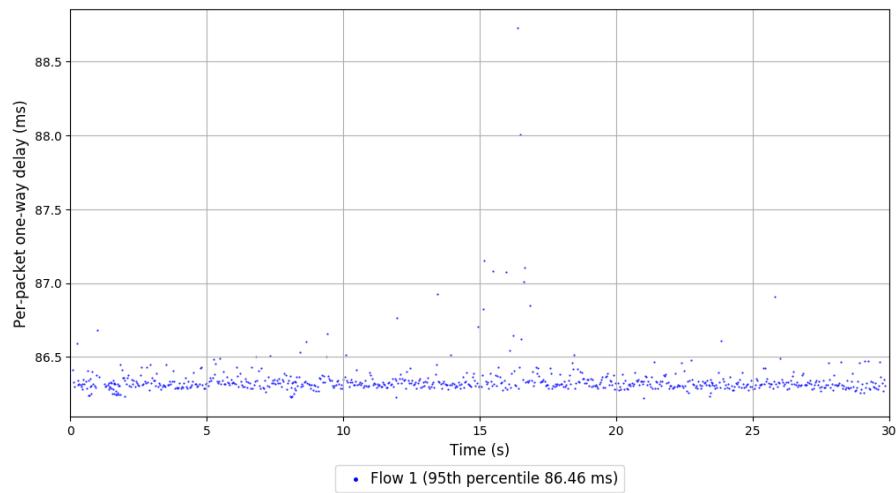
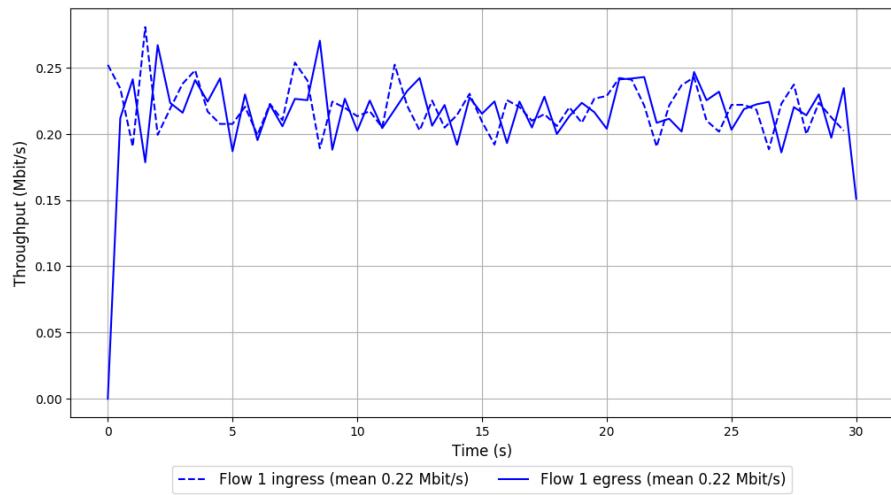


Run 3: Statistics of SCReAM

```
Start at: 2018-06-05 15:16:39
End at: 2018-06-05 15:17:09
Local clock offset: 0.05 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.458 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.458 ms
Loss rate: 0.64%
```

Run 3: Report of SCReAM — Data Link

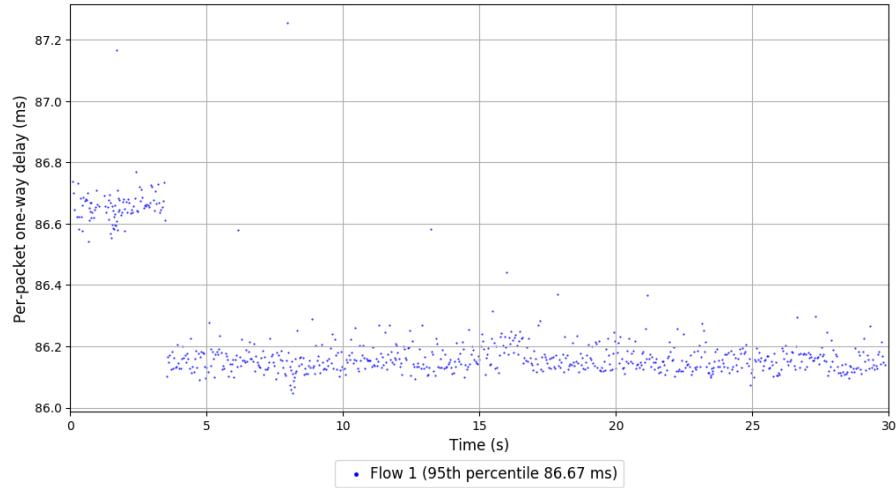
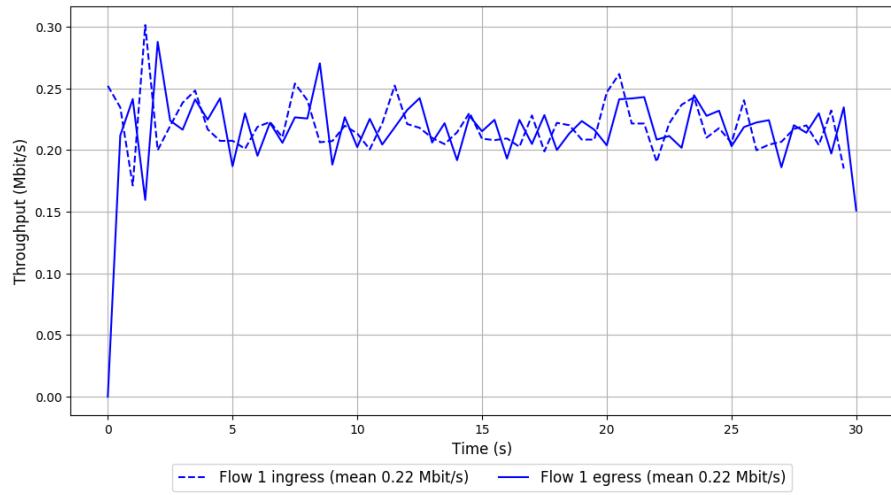


Run 4: Statistics of SCReAM

```
Start at: 2018-06-05 15:36:47
End at: 2018-06-05 15:37:17
Local clock offset: 0.038 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.669 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.669 ms
Loss rate: 0.51%
```

Run 4: Report of SCReAM — Data Link

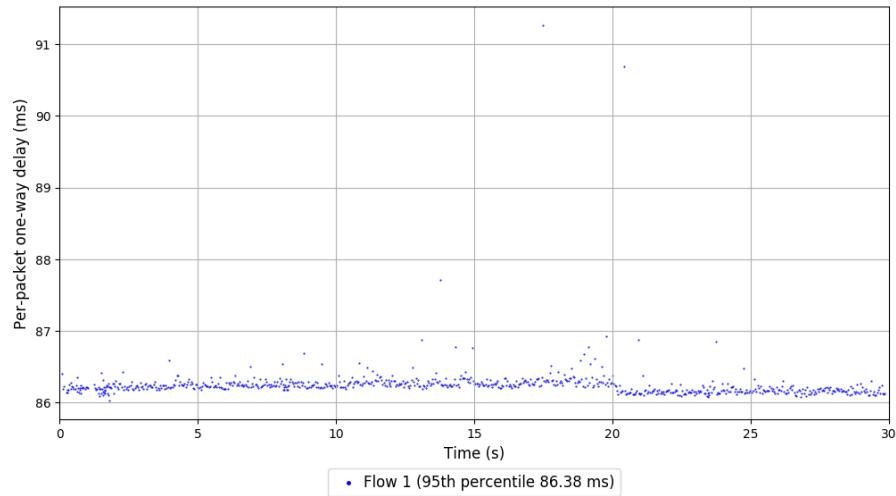
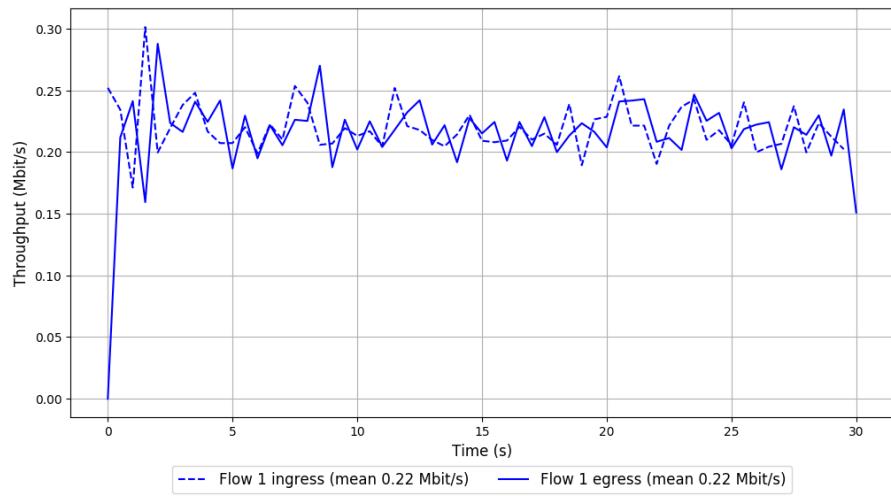


Run 5: Statistics of SCReAM

```
Start at: 2018-06-05 15:56:50
End at: 2018-06-05 15:57:20
Local clock offset: 0.066 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 0.64%
```

Run 5: Report of SCReAM — Data Link

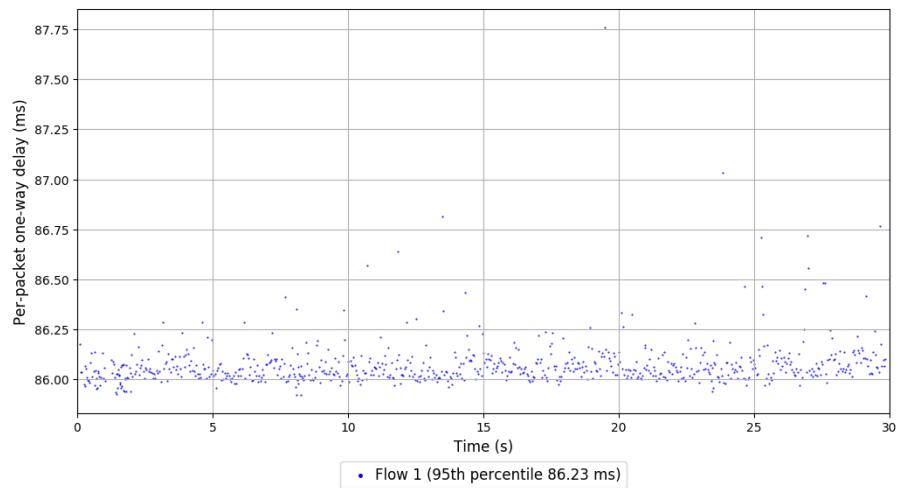
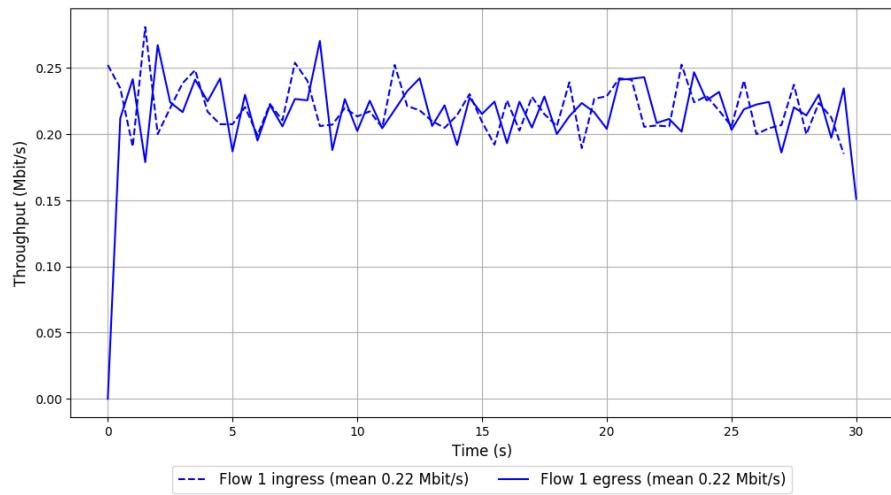


Run 6: Statistics of SCReAM

```
Start at: 2018-06-05 16:16:57
End at: 2018-06-05 16:17:27
Local clock offset: -0.102 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.233 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.233 ms
Loss rate: 0.51%
```

Run 6: Report of SCReAM — Data Link

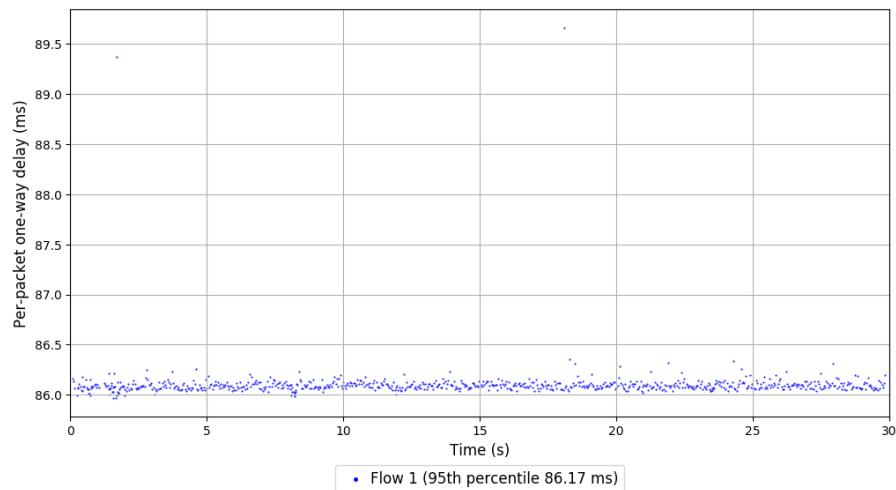
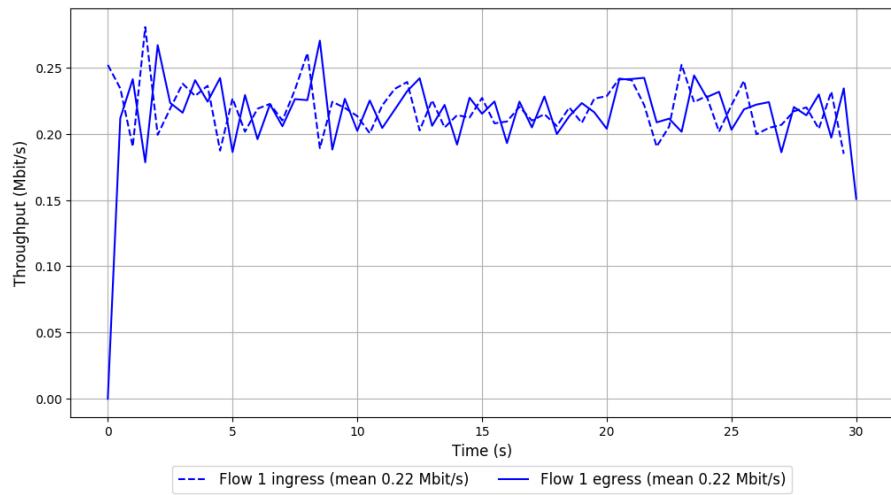


Run 7: Statistics of SCReAM

```
Start at: 2018-06-05 16:37:00
End at: 2018-06-05 16:37:30
Local clock offset: 0.13 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.171 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.171 ms
Loss rate: 0.51%
```

Run 7: Report of SCReAM — Data Link

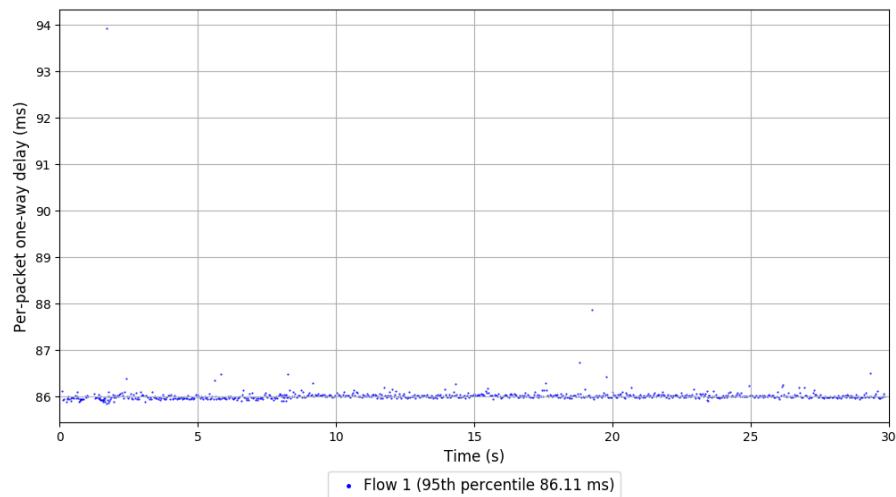
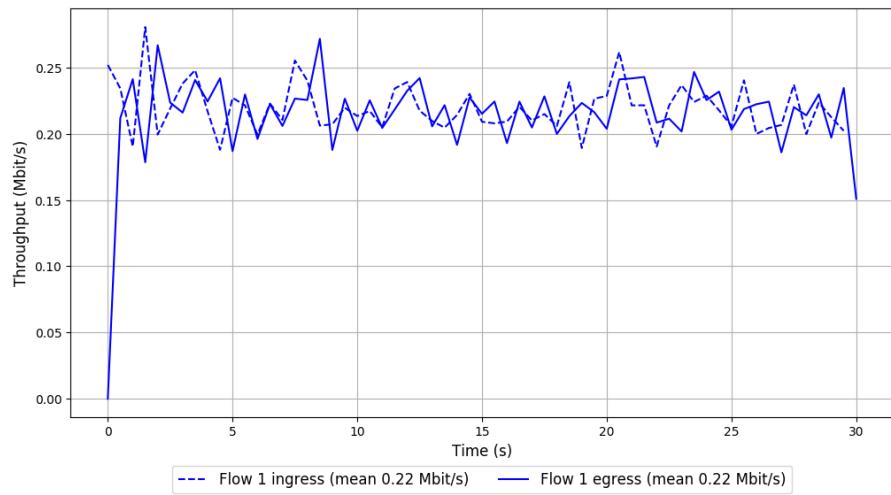


Run 8: Statistics of SCReAM

```
Start at: 2018-06-05 16:57:02
End at: 2018-06-05 16:57:32
Local clock offset: 0.007 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.111 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.111 ms
Loss rate: 0.64%
```

Run 8: Report of SCReAM — Data Link

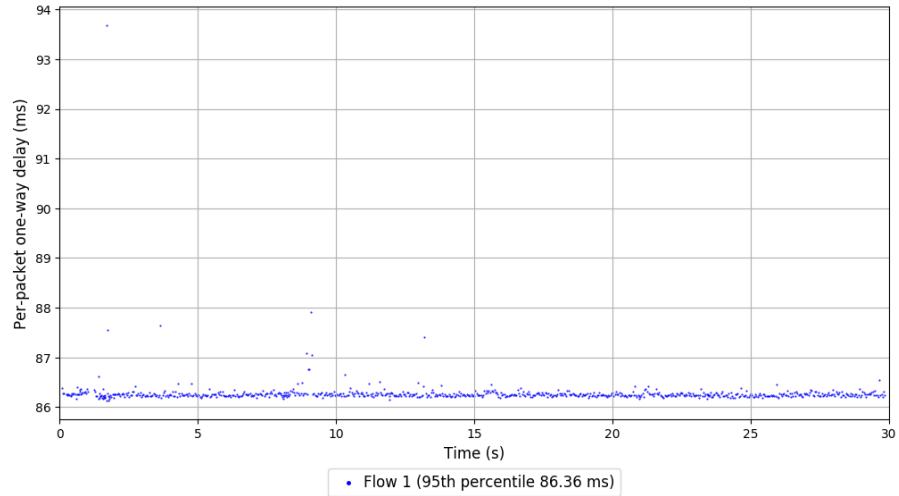
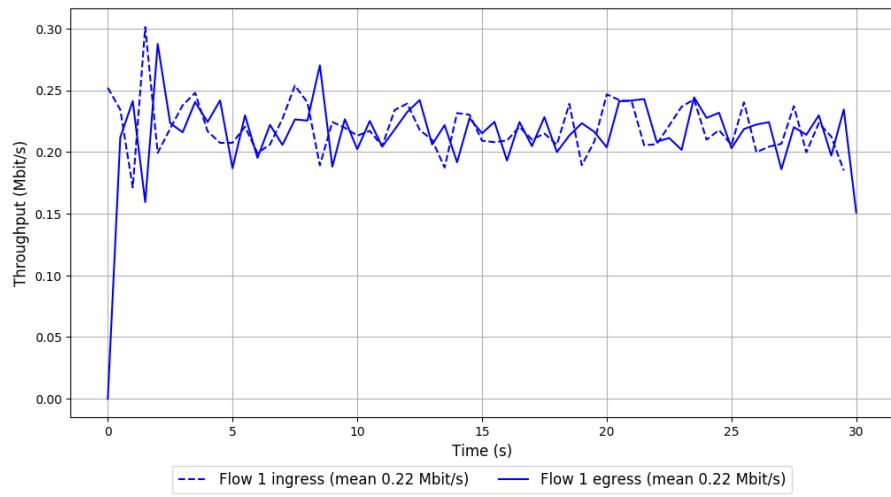


Run 9: Statistics of SCReAM

```
Start at: 2018-06-05 17:17:25
End at: 2018-06-05 17:17:55
Local clock offset: 0.306 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.361 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.361 ms
Loss rate: 0.51%
```

Run 9: Report of SCReAM — Data Link

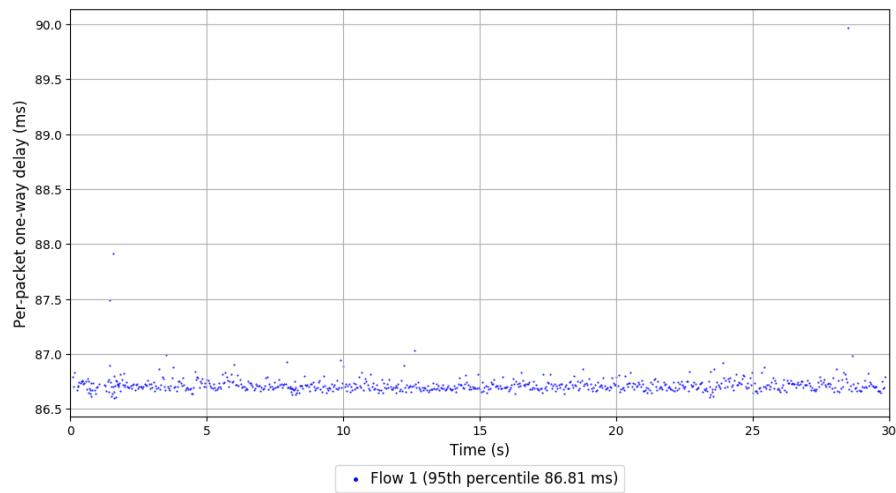
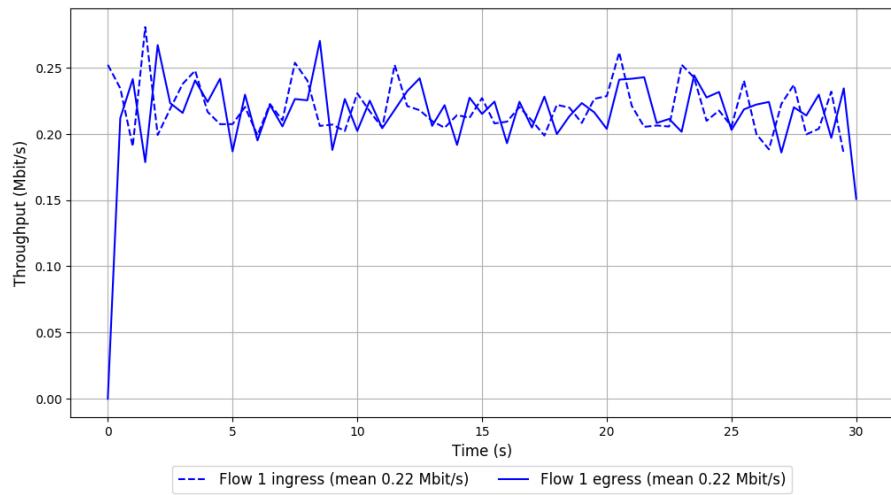


Run 10: Statistics of SCReAM

```
Start at: 2018-06-05 17:37:37
End at: 2018-06-05 17:38:07
Local clock offset: 0.333 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.814 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.814 ms
Loss rate: 0.51%
```

Run 10: Report of SCReAM — Data Link

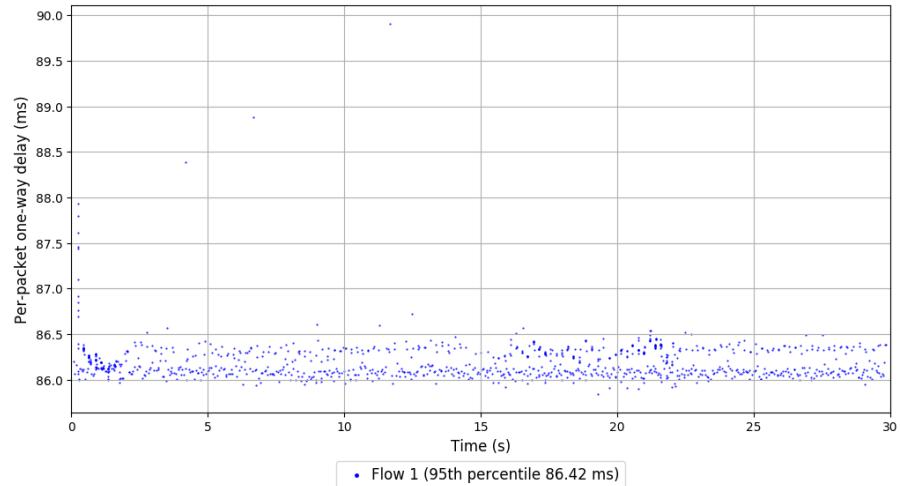
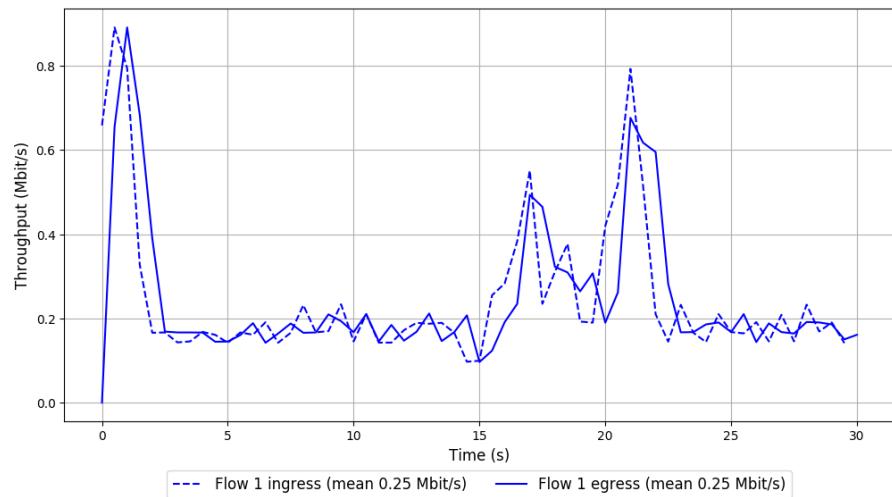


Run 1: Statistics of Sprout

```
Start at: 2018-06-05 14:43:58
End at: 2018-06-05 14:44:28
Local clock offset: -0.094 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.416 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.416 ms
Loss rate: 0.32%
```

Run 1: Report of Sprout — Data Link

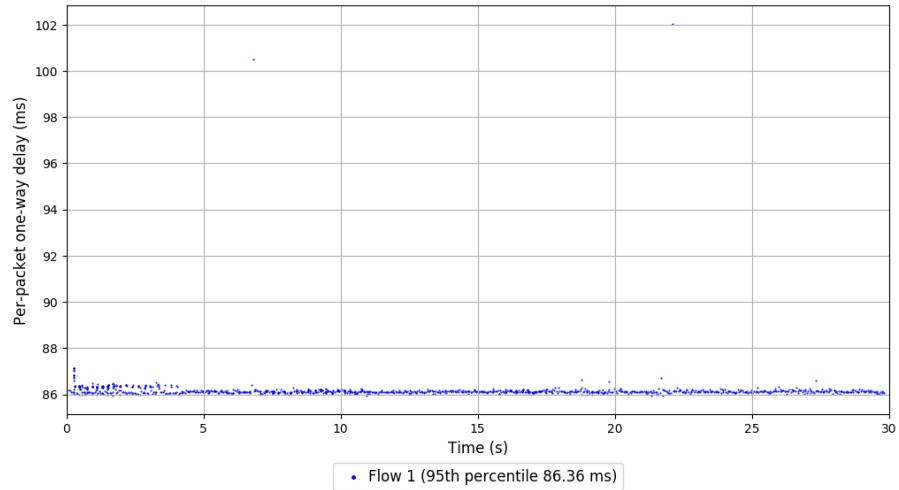
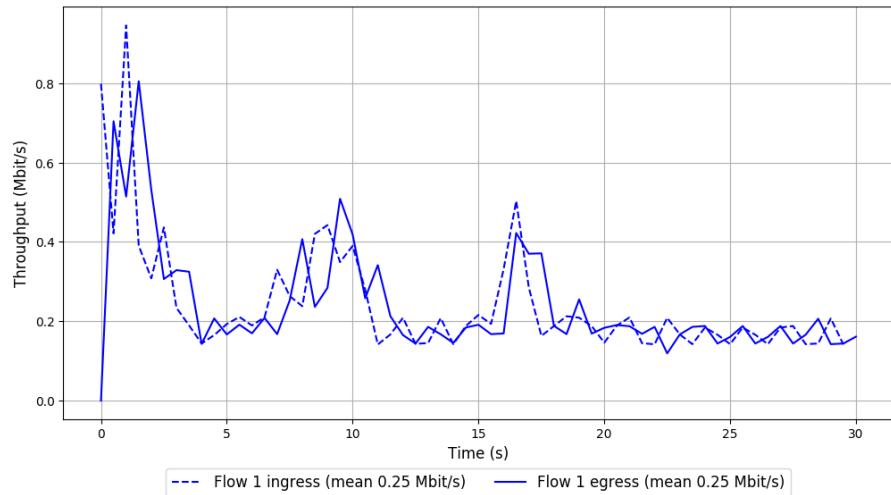


Run 2: Statistics of Sprout

```
Start at: 2018-06-05 15:03:56
End at: 2018-06-05 15:04:26
Local clock offset: 0.017 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.358 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.358 ms
Loss rate: 0.32%
```

Run 2: Report of Sprout — Data Link

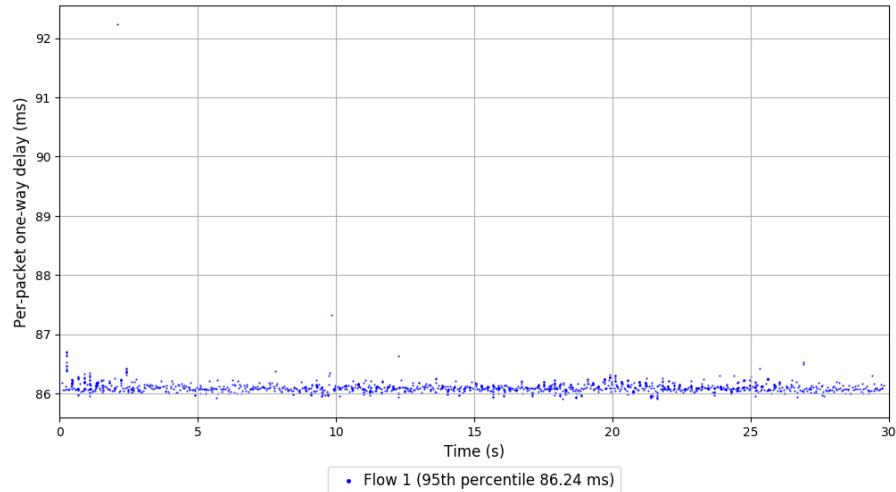
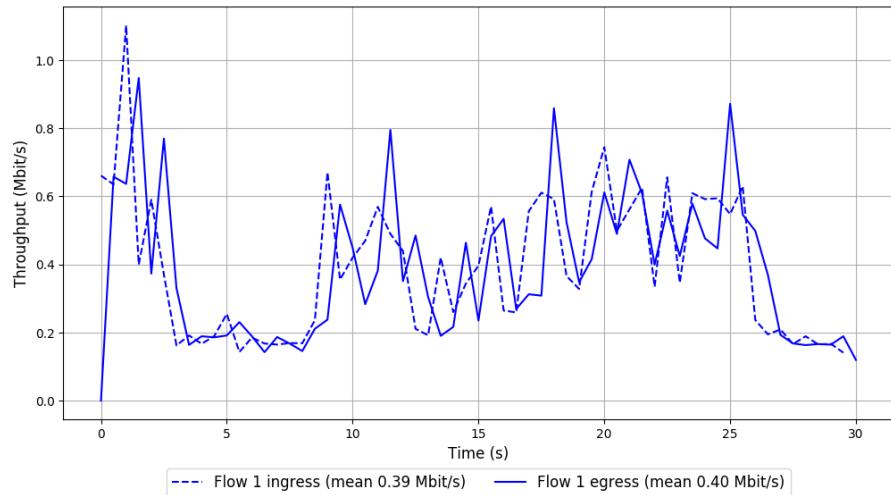


Run 3: Statistics of Sprout

```
Start at: 2018-06-05 15:24:16
End at: 2018-06-05 15:24:46
Local clock offset: 0.021 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-06-05 18:41:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.237 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.237 ms
Loss rate: 0.30%
```

Run 3: Report of Sprout — Data Link

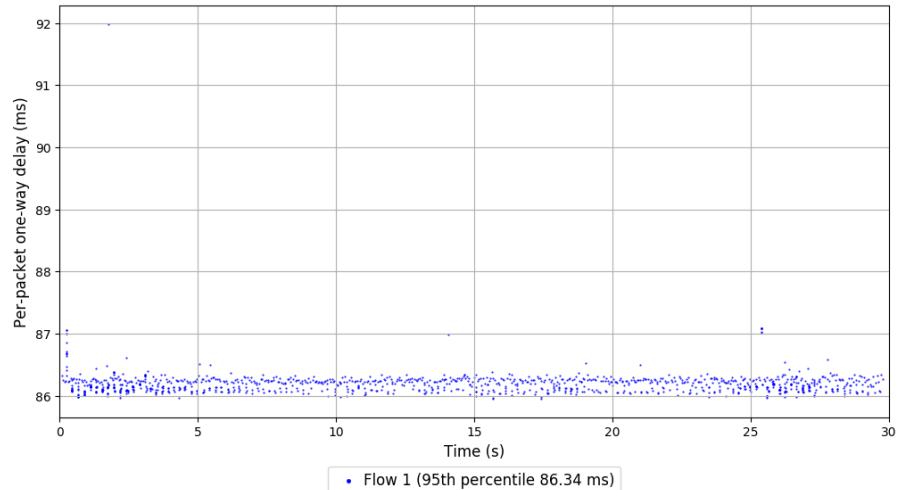
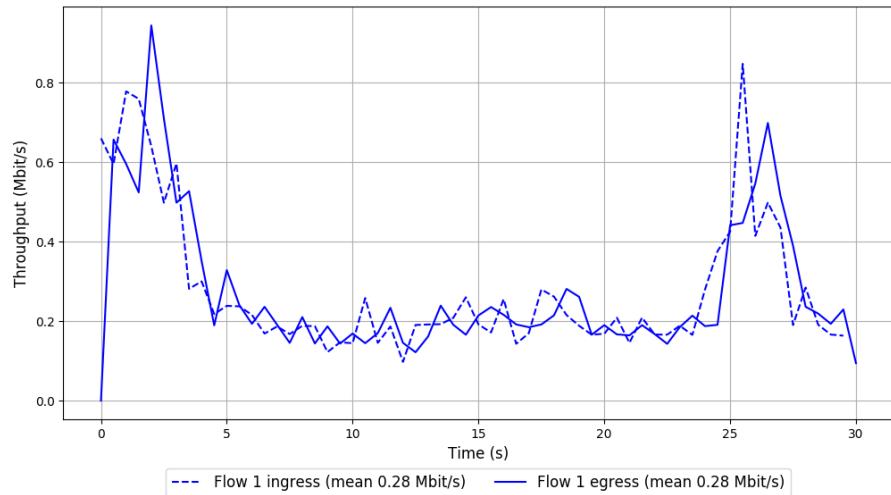


Run 4: Statistics of Sprout

```
Start at: 2018-06-05 15:44:25
End at: 2018-06-05 15:44:55
Local clock offset: 0.049 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2018-06-05 18:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.342 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.342 ms
Loss rate: 0.43%
```

Run 4: Report of Sprout — Data Link

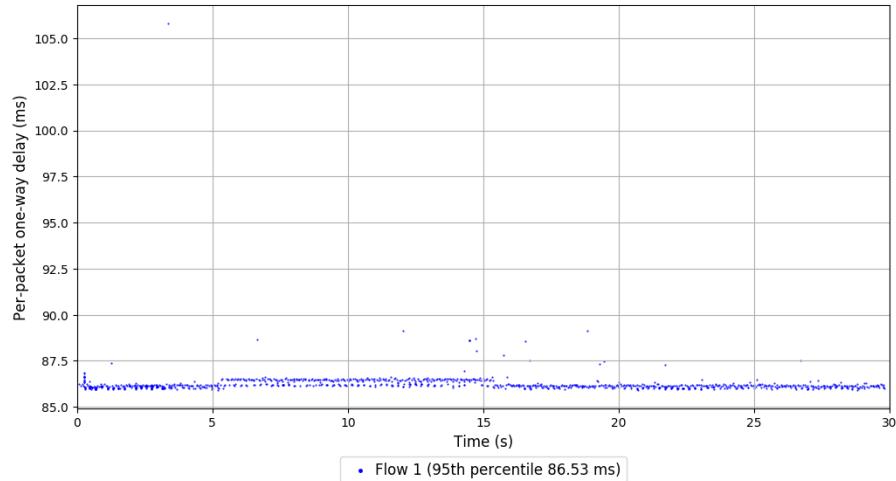
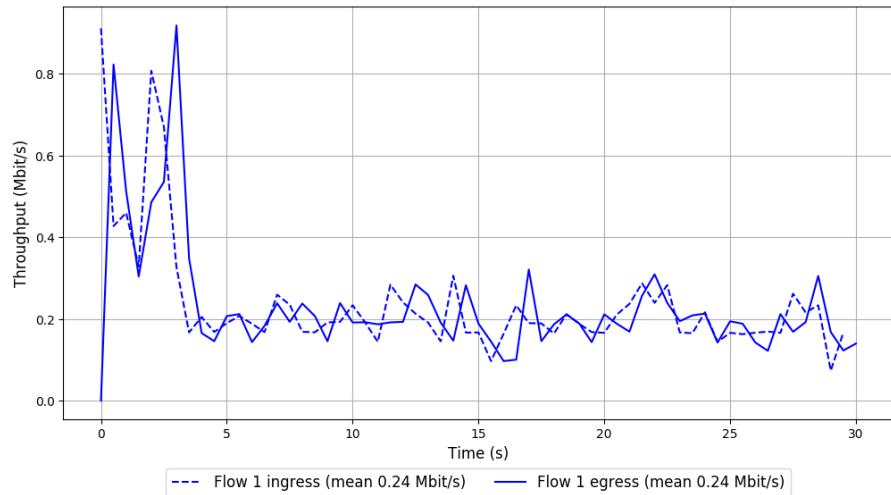


Run 5: Statistics of Sprout

```
Start at: 2018-06-05 16:04:15
End at: 2018-06-05 16:04:45
Local clock offset: 0.009 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-06-05 18:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.532 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.532 ms
Loss rate: 0.33%
```

Run 5: Report of Sprout — Data Link

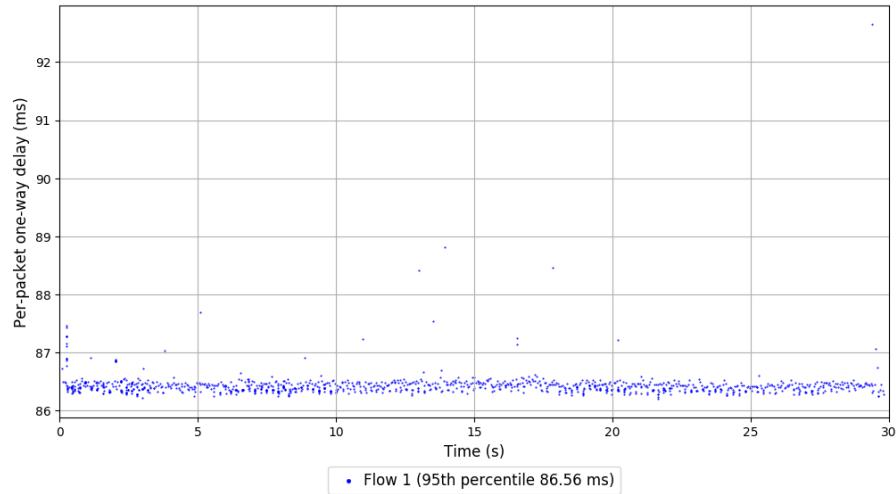
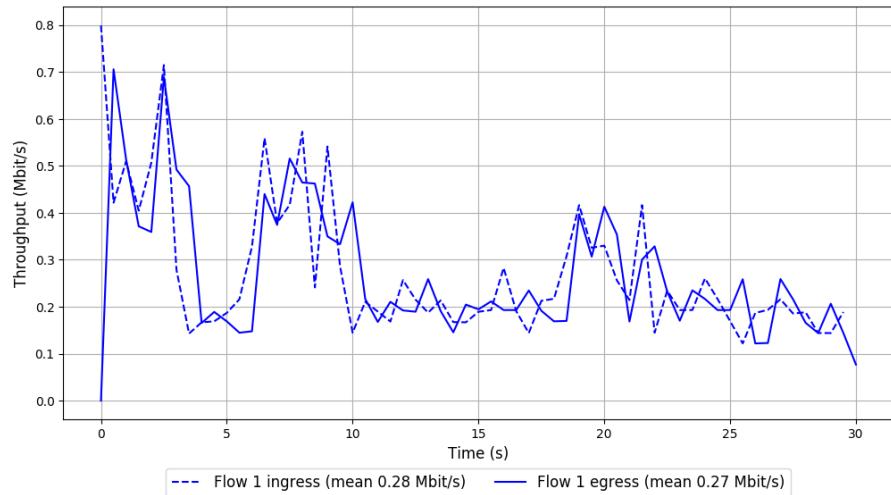


Run 6: Statistics of Sprout

```
Start at: 2018-06-05 16:24:21
End at: 2018-06-05 16:24:51
Local clock offset: 0.371 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-06-05 18:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.558 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.558 ms
Loss rate: 0.70%
```

Run 6: Report of Sprout — Data Link

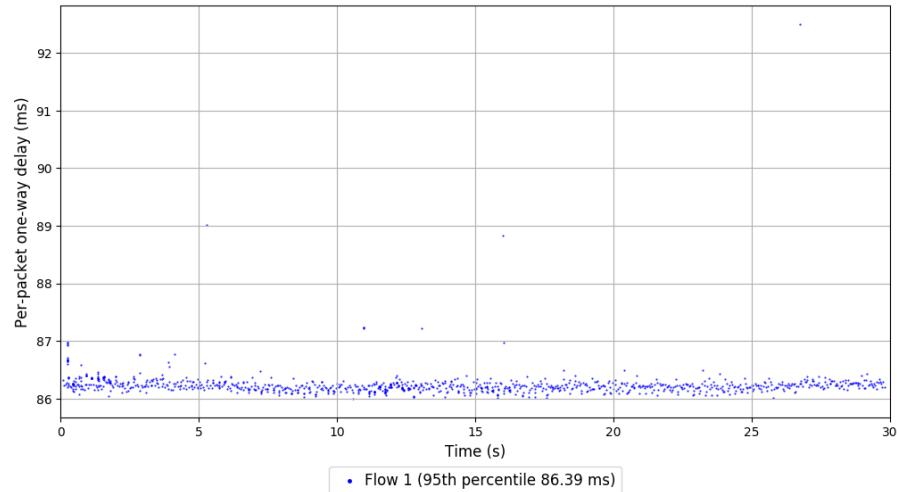
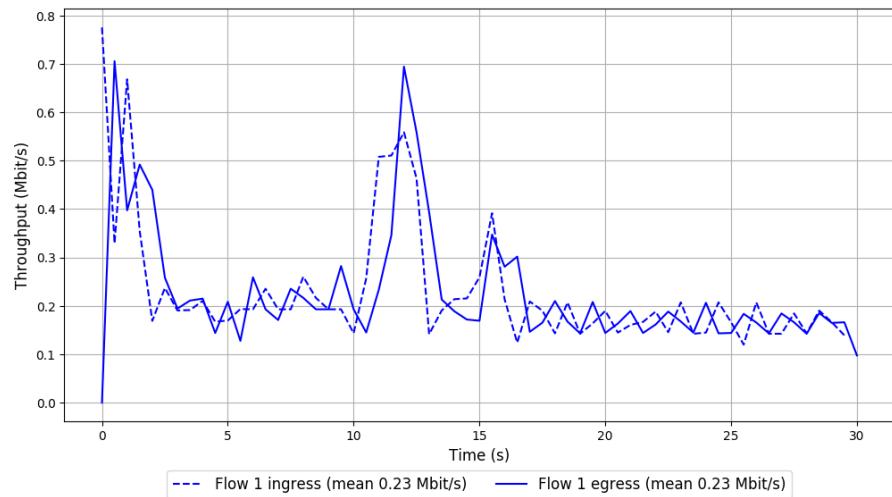


Run 7: Statistics of Sprout

```
Start at: 2018-06-05 16:44:34
End at: 2018-06-05 16:45:04
Local clock offset: 0.142 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-06-05 18:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.388 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.388 ms
Loss rate: 0.50%
```

Run 7: Report of Sprout — Data Link

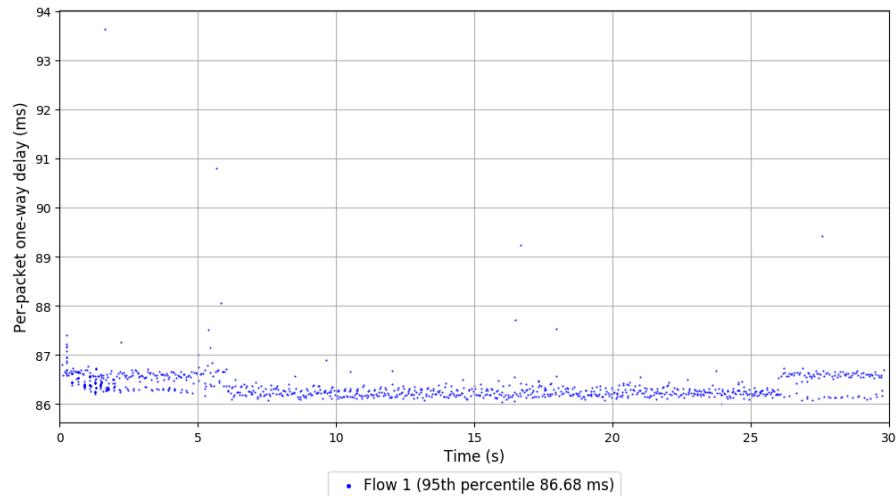
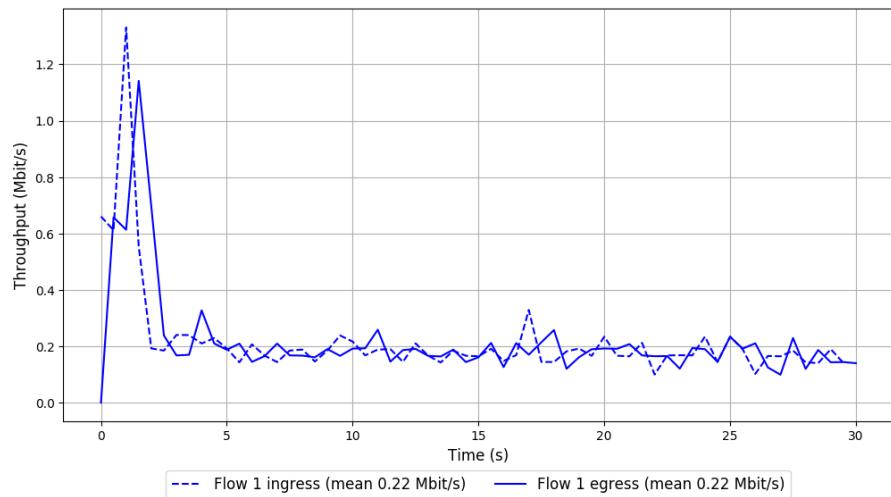


Run 8: Statistics of Sprout

```
Start at: 2018-06-05 17:04:44
End at: 2018-06-05 17:05:14
Local clock offset: 0.188 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-06-05 18:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 0.51%
```

Run 8: Report of Sprout — Data Link

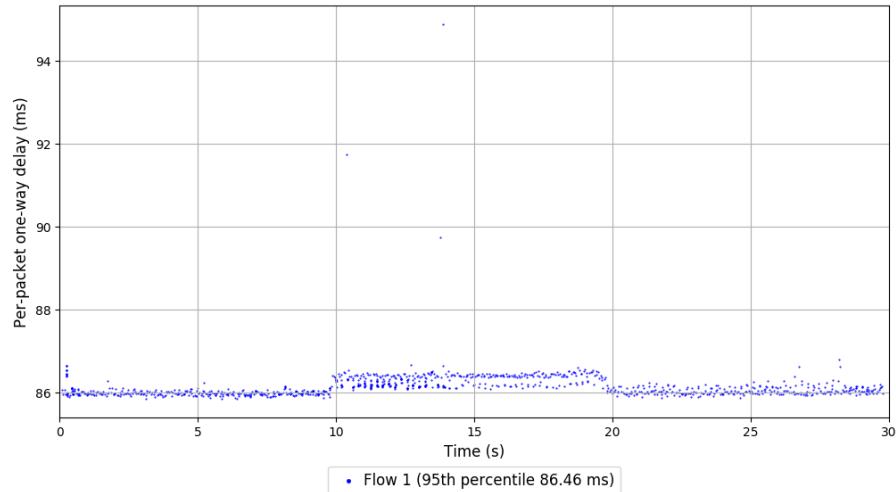
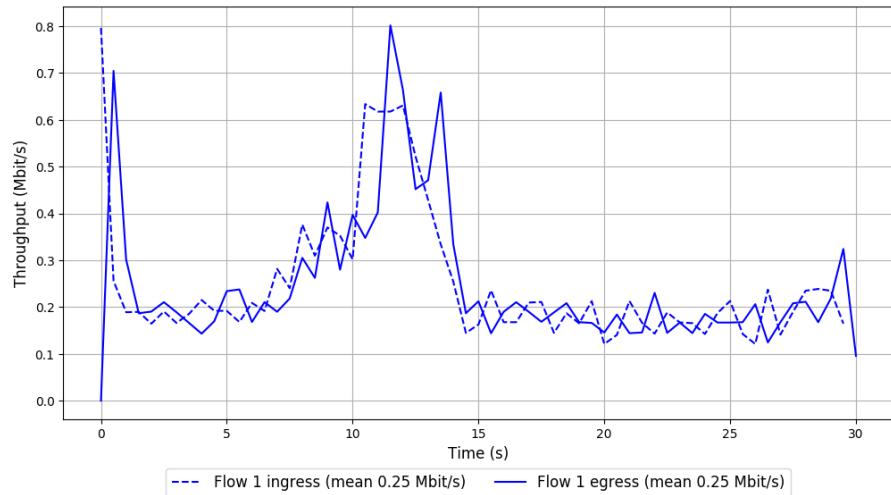


Run 9: Statistics of Sprout

```
Start at: 2018-06-05 17:25:00
End at: 2018-06-05 17:25:30
Local clock offset: 0.049 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-05 18:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.459 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.459 ms
Loss rate: 0.47%
```

Run 9: Report of Sprout — Data Link

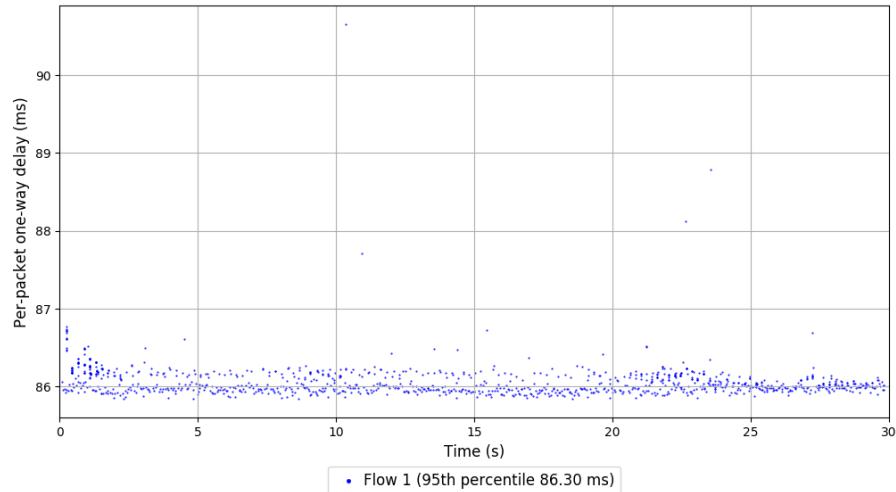
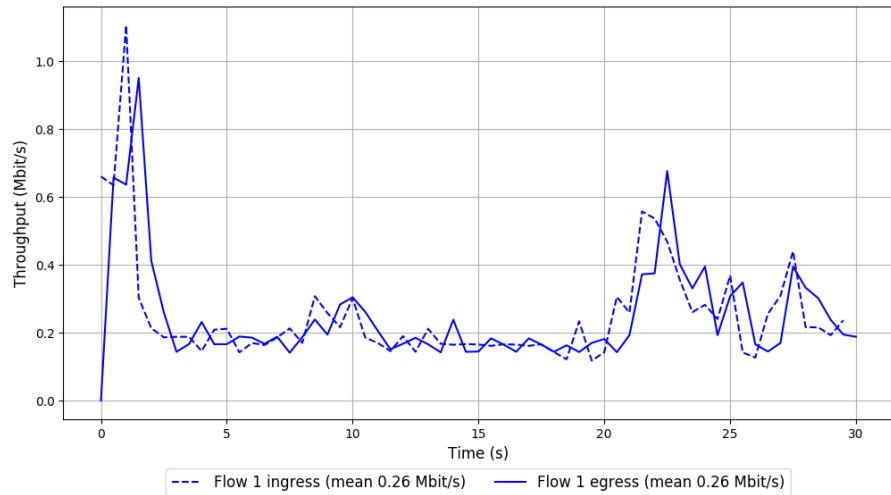


Run 10: Statistics of Sprout

```
Start at: 2018-06-05 17:45:17
End at: 2018-06-05 17:45:47
Local clock offset: 0.064 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-06-05 18:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.297 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.297 ms
Loss rate: 0.33%
```

Run 10: Report of Sprout — Data Link

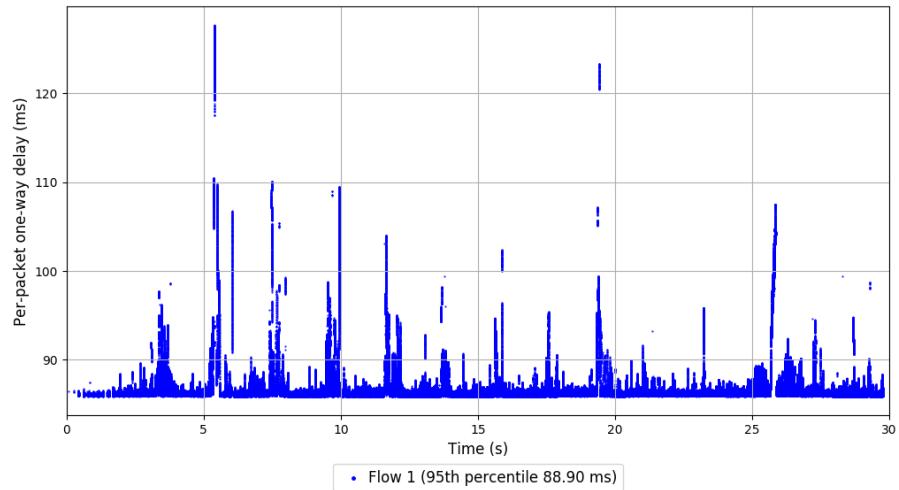
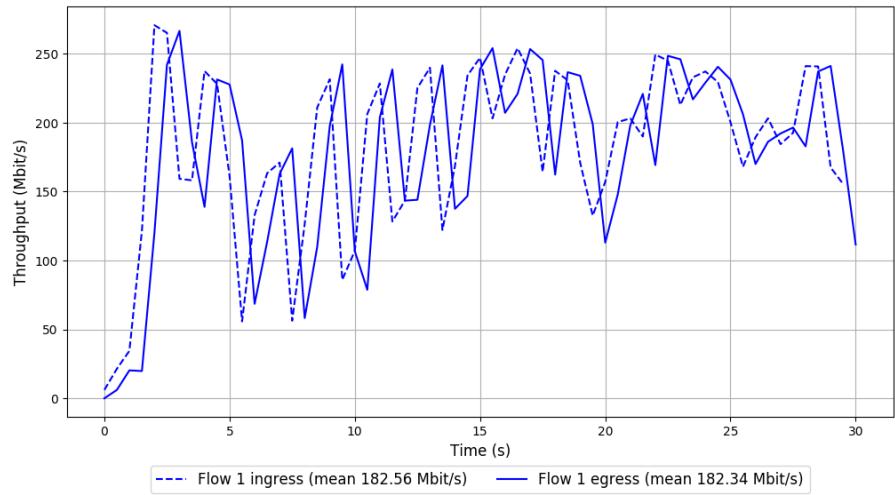


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-05 14:34:02
End at: 2018-06-05 14:34:32
Local clock offset: -0.073 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-05 18:42:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.34 Mbit/s
95th percentile per-packet one-way delay: 88.901 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 182.34 Mbit/s
95th percentile per-packet one-way delay: 88.901 ms
Loss rate: 0.70%
```

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

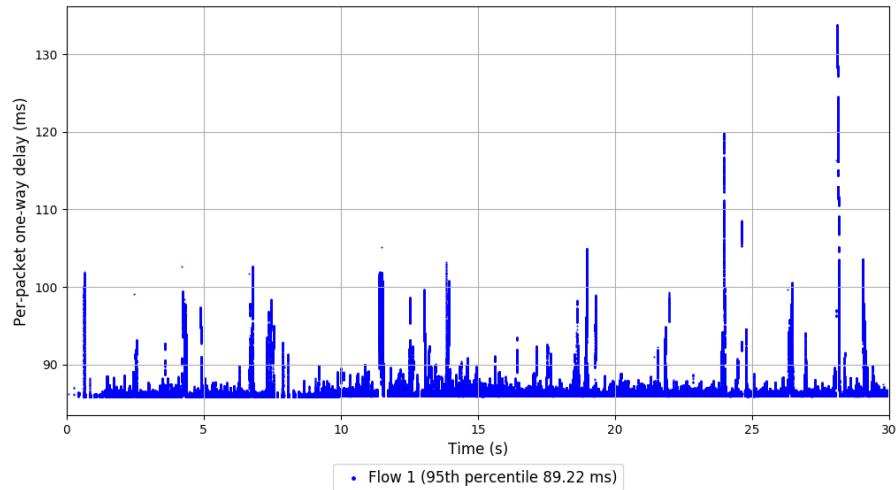
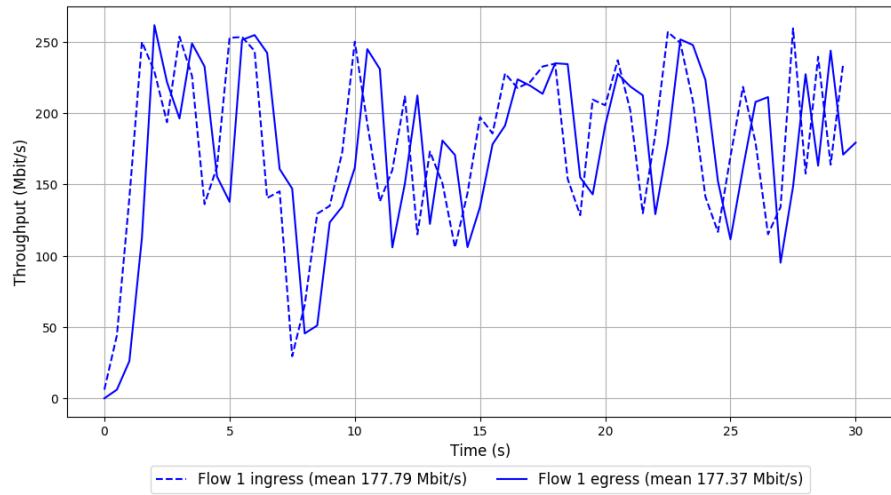


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-05 14:53:40
End at: 2018-06-05 14:54:10
Local clock offset: 0.003 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-06-05 18:42:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.37 Mbit/s
95th percentile per-packet one-way delay: 89.220 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 177.37 Mbit/s
95th percentile per-packet one-way delay: 89.220 ms
Loss rate: 0.82%
```

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

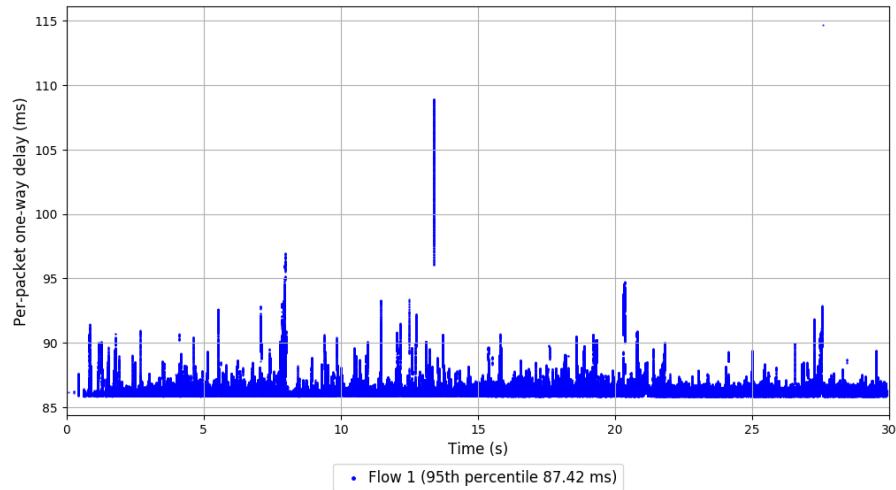
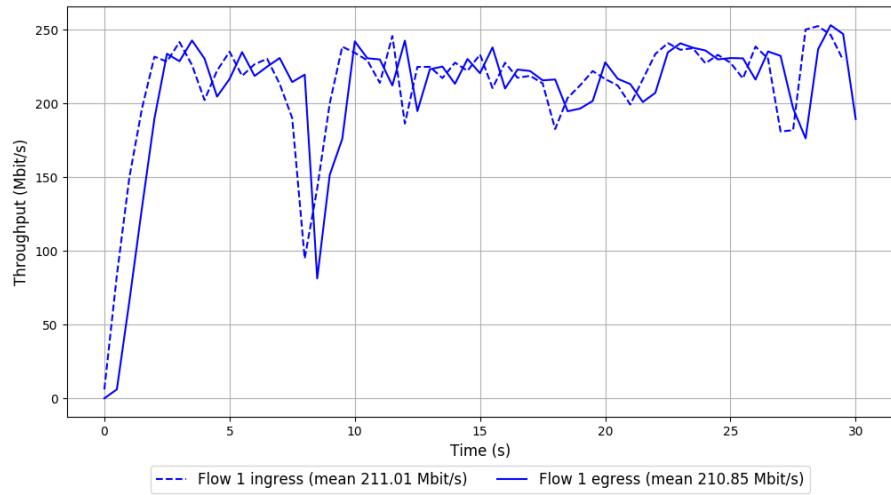


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-05 15:13:45
End at: 2018-06-05 15:14:15
Local clock offset: 0.014 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-06-05 18:43:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.85 Mbit/s
95th percentile per-packet one-way delay: 87.421 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 210.85 Mbit/s
95th percentile per-packet one-way delay: 87.421 ms
Loss rate: 0.65%
```

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

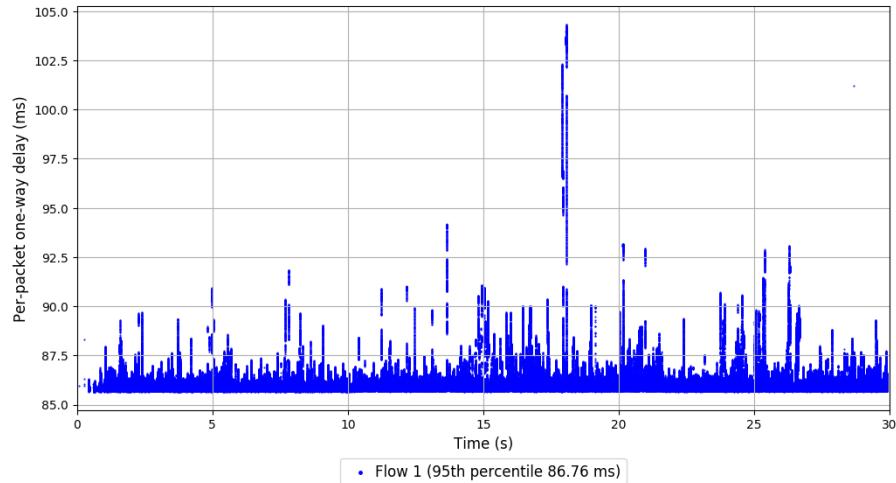
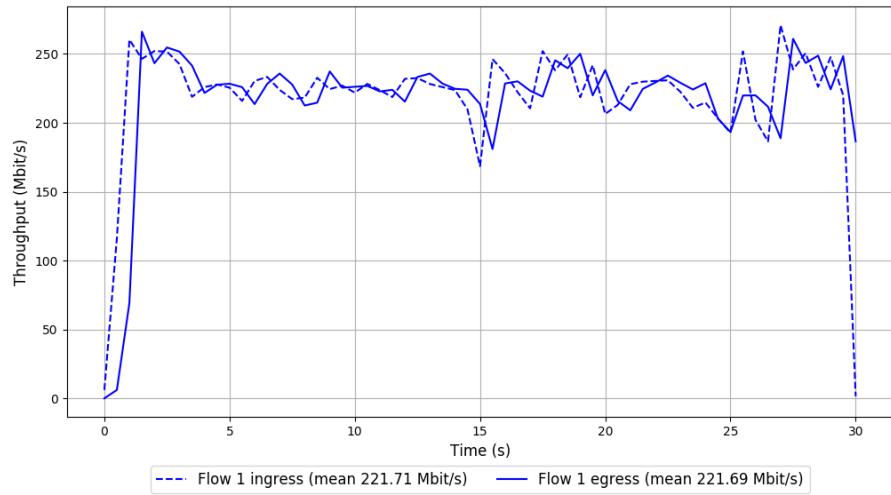


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-05 15:34:00
End at: 2018-06-05 15:34:30
Local clock offset: -0.161 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-06-05 18:43:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.69 Mbit/s
95th percentile per-packet one-way delay: 86.760 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 221.69 Mbit/s
95th percentile per-packet one-way delay: 86.760 ms
Loss rate: 0.59%
```

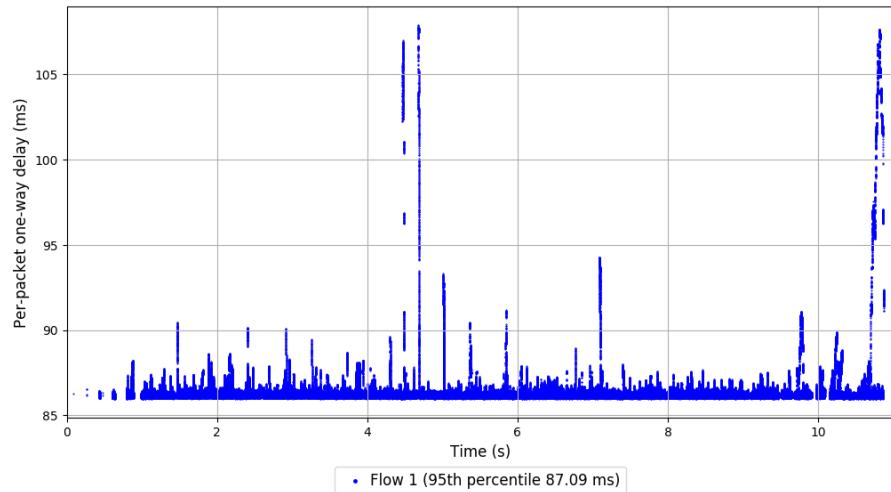
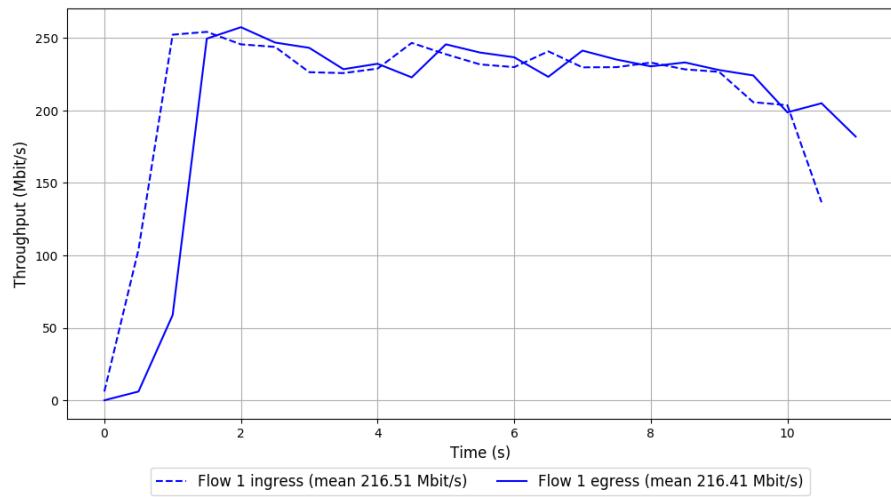
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 15:54:13
End at: 2018-06-05 15:54:44
Local clock offset: 0.179 ms
Remote clock offset: -0.087 ms

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

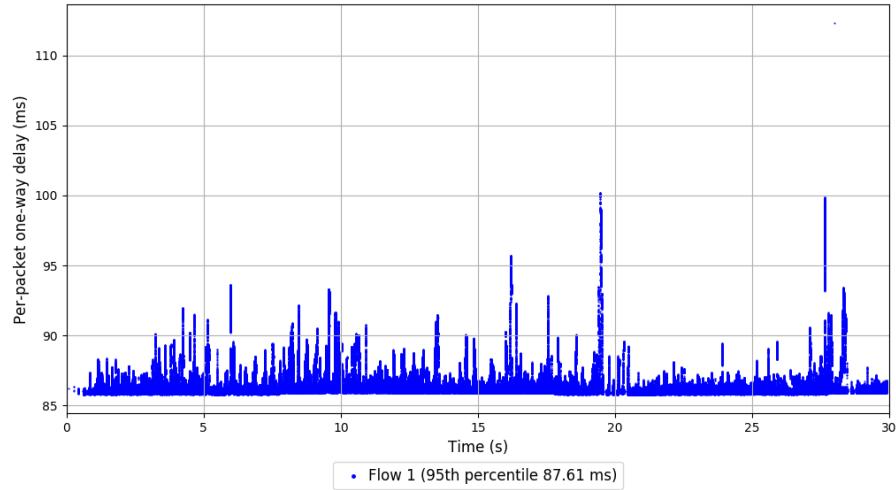
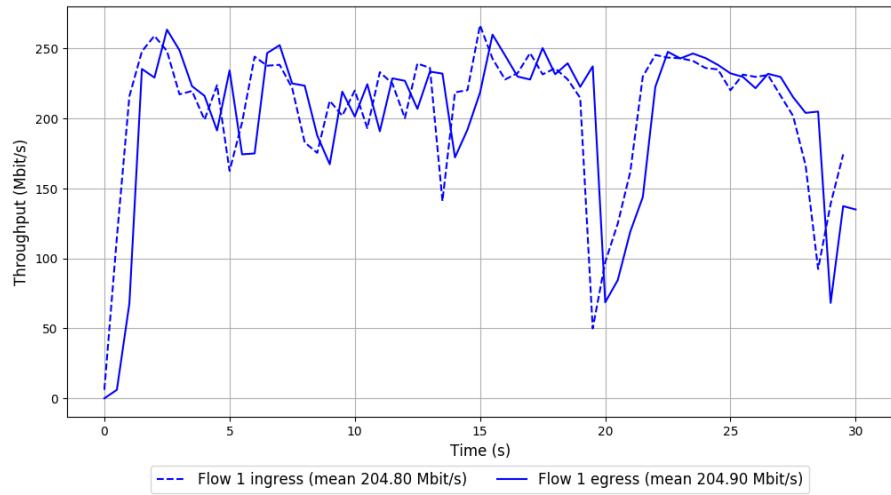


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-05 16:14:03
End at: 2018-06-05 16:14:33
Local clock offset: -0.015 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-06-05 18:43:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.90 Mbit/s
95th percentile per-packet one-way delay: 87.606 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 204.90 Mbit/s
95th percentile per-packet one-way delay: 87.606 ms
Loss rate: 0.53%
```

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

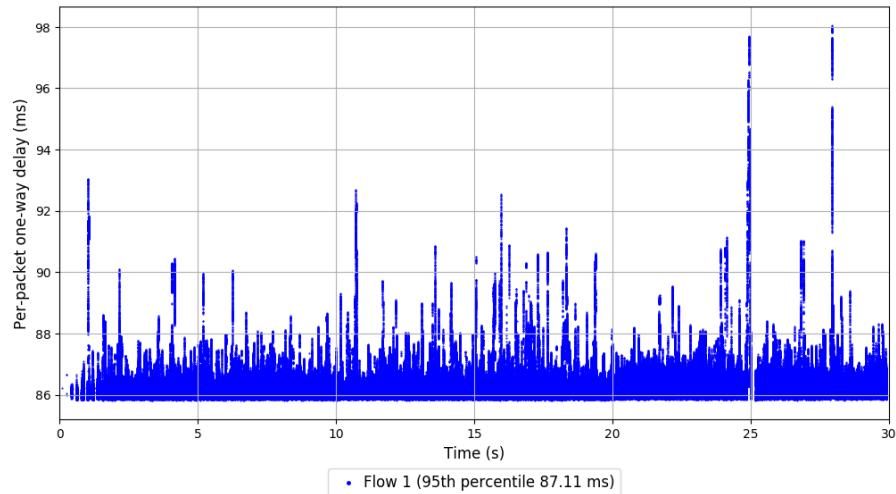
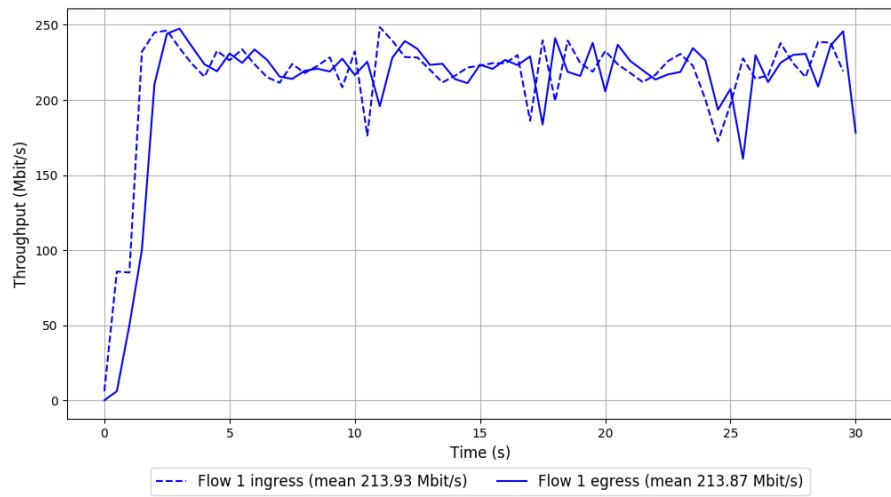


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-05 16:34:10
End at: 2018-06-05 16:34:40
Local clock offset: 0.086 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2018-06-05 18:44:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.87 Mbit/s
95th percentile per-packet one-way delay: 87.113 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 213.87 Mbit/s
95th percentile per-packet one-way delay: 87.113 ms
Loss rate: 0.60%
```

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

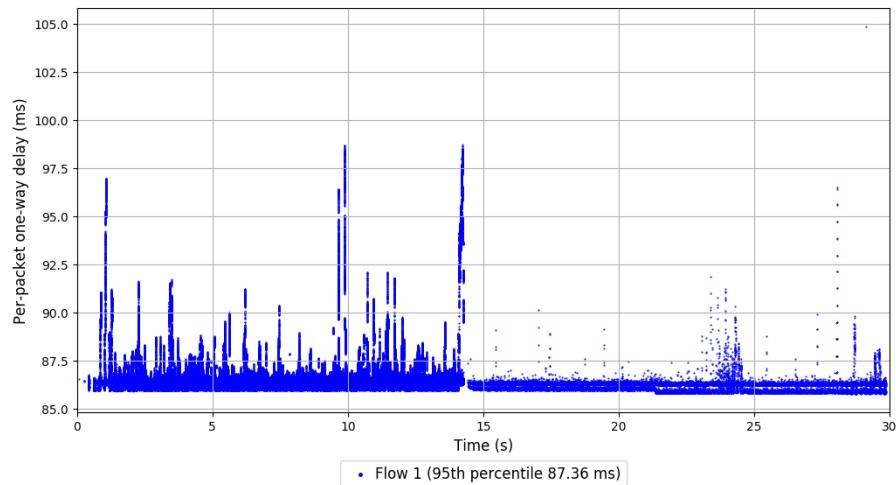
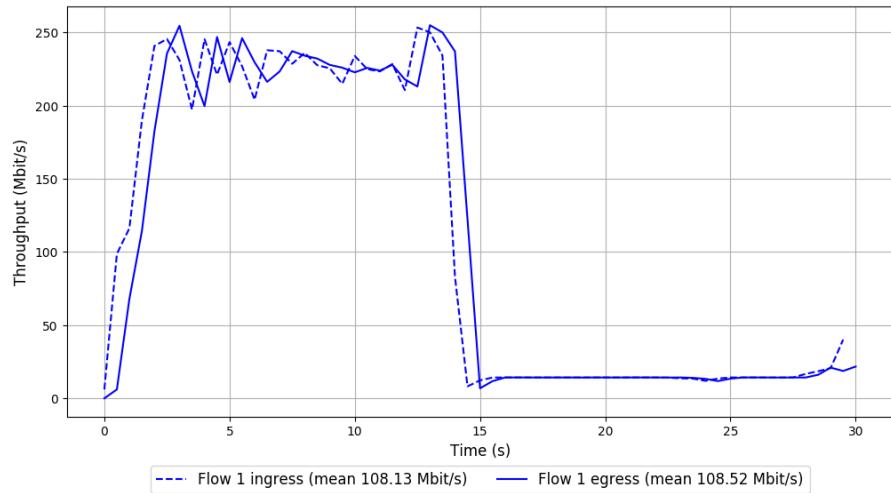


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-05 16:54:19
End at: 2018-06-05 16:54:49
Local clock offset: 0.062 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-06-05 18:44:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.52 Mbit/s
95th percentile per-packet one-way delay: 87.359 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 108.52 Mbit/s
95th percentile per-packet one-way delay: 87.359 ms
Loss rate: 0.32%
```

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

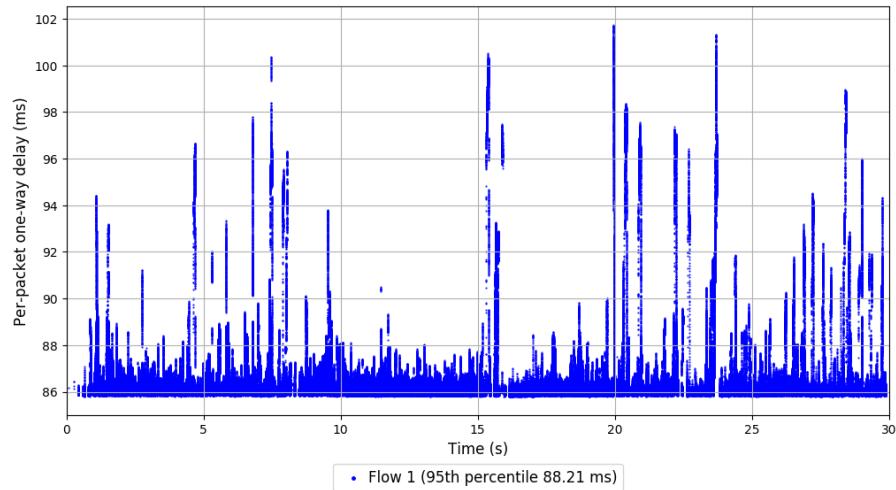
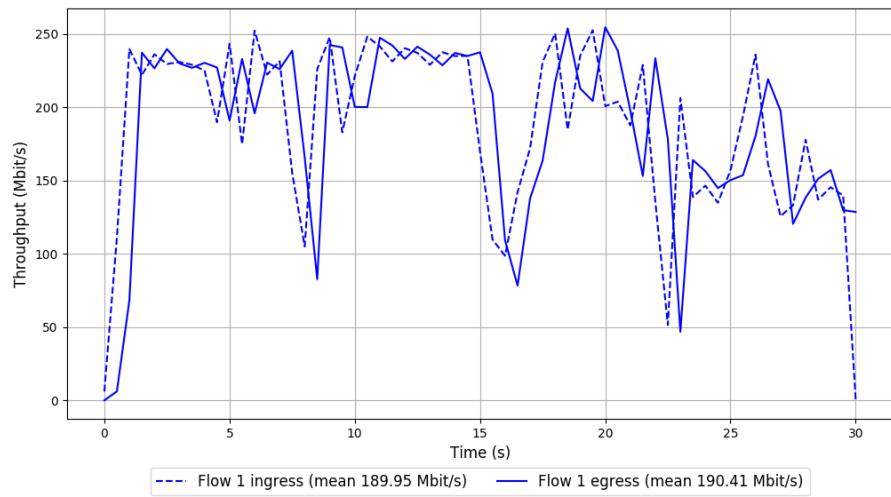


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-05 17:14:31
End at: 2018-06-05 17:15:01
Local clock offset: 0.082 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-05 18:47:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.41 Mbit/s
95th percentile per-packet one-way delay: 88.209 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 190.41 Mbit/s
95th percentile per-packet one-way delay: 88.209 ms
Loss rate: 0.41%
```

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

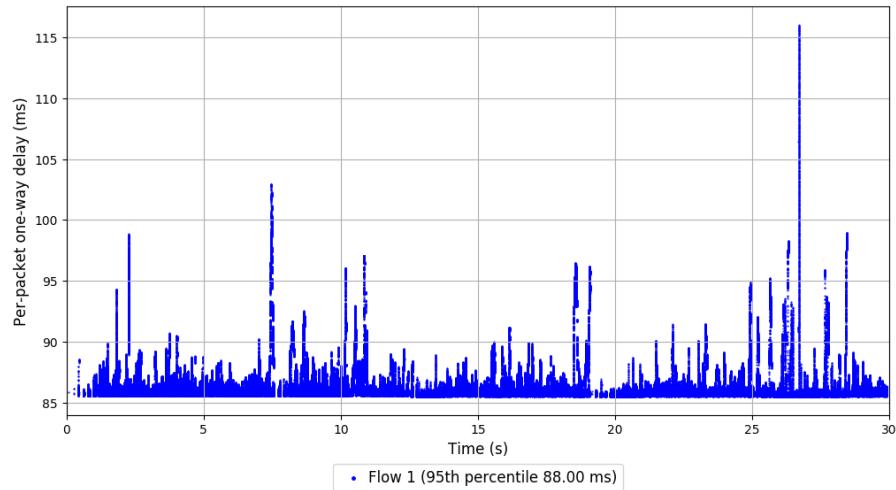
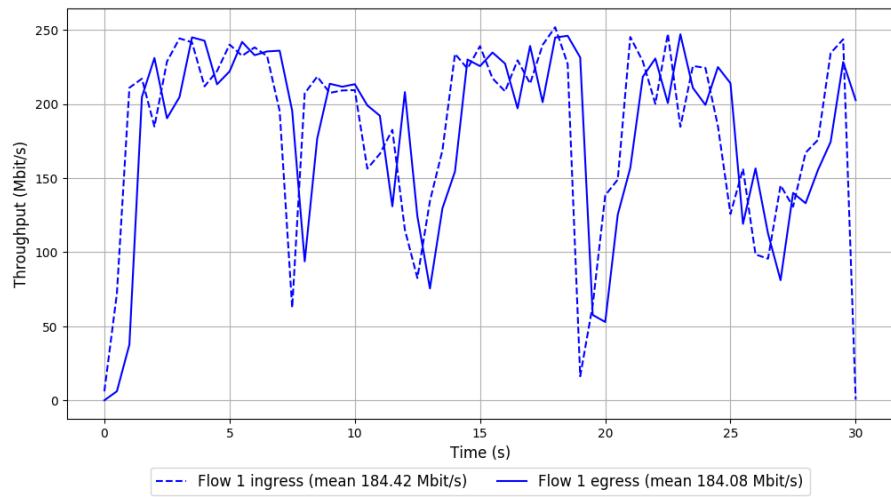


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-05 17:34:48
End at: 2018-06-05 17:35:18
Local clock offset: -0.154 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.08 Mbit/s
95th percentile per-packet one-way delay: 87.996 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 184.08 Mbit/s
95th percentile per-packet one-way delay: 87.996 ms
Loss rate: 0.75%
```

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

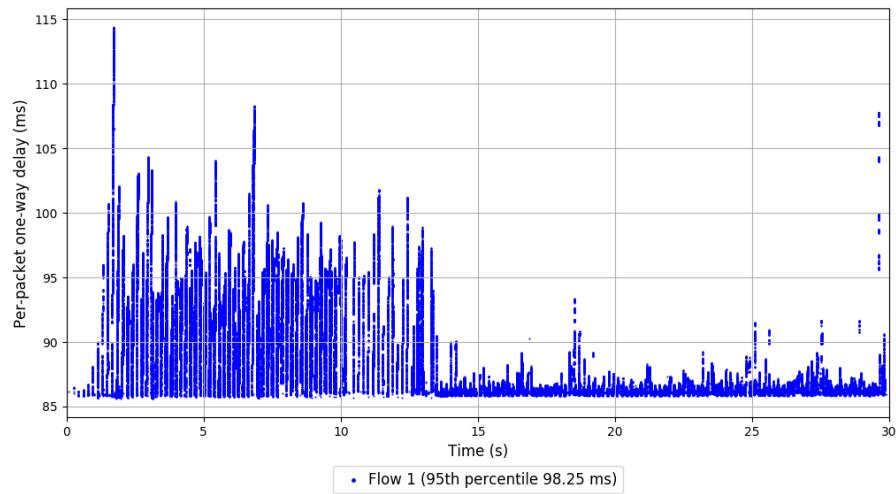
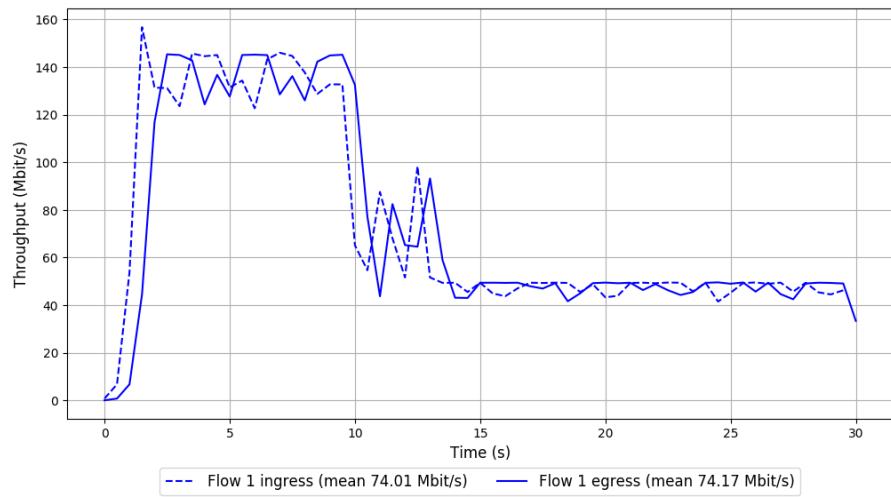


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-05 14:46:11
End at: 2018-06-05 14:46:41
Local clock offset: -0.342 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 98.251 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 98.251 ms
Loss rate: 0.37%
```

Run 1: Report of TCP Vegas — Data Link

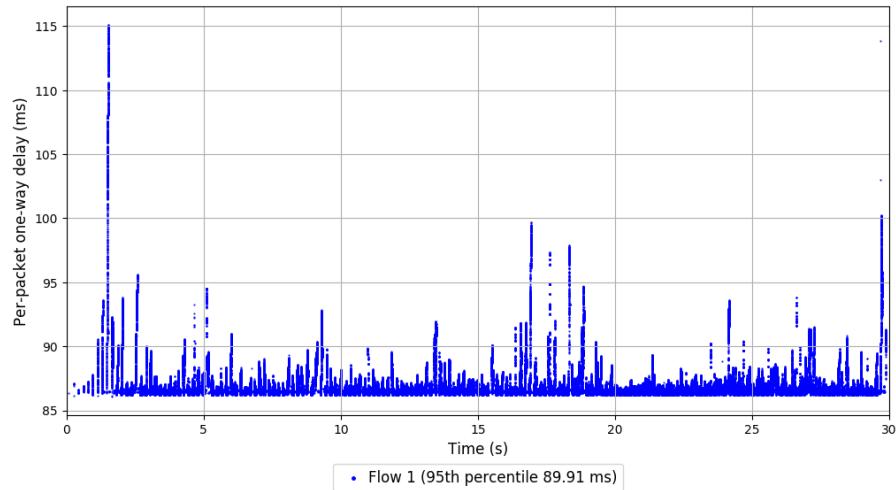
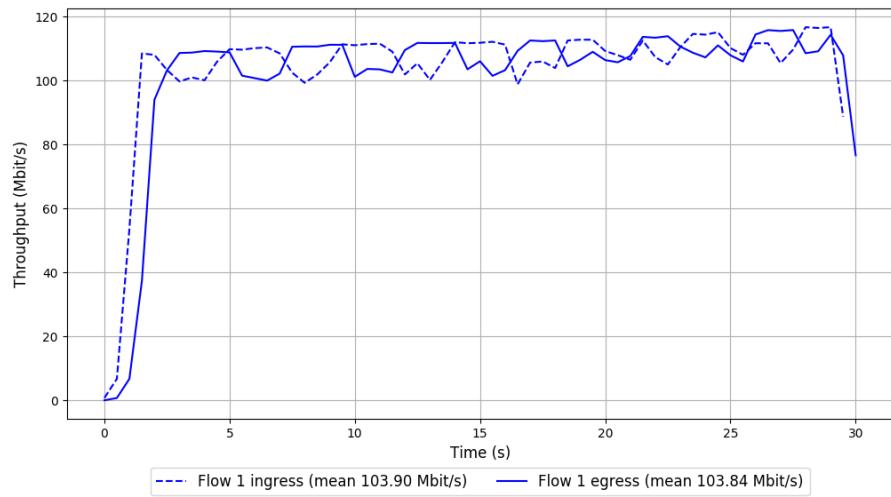


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-05 15:06:13
End at: 2018-06-05 15:06:43
Local clock offset: 0.065 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.84 Mbit/s
95th percentile per-packet one-way delay: 89.914 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 103.84 Mbit/s
95th percentile per-packet one-way delay: 89.914 ms
Loss rate: 0.63%
```

Run 2: Report of TCP Vegas — Data Link

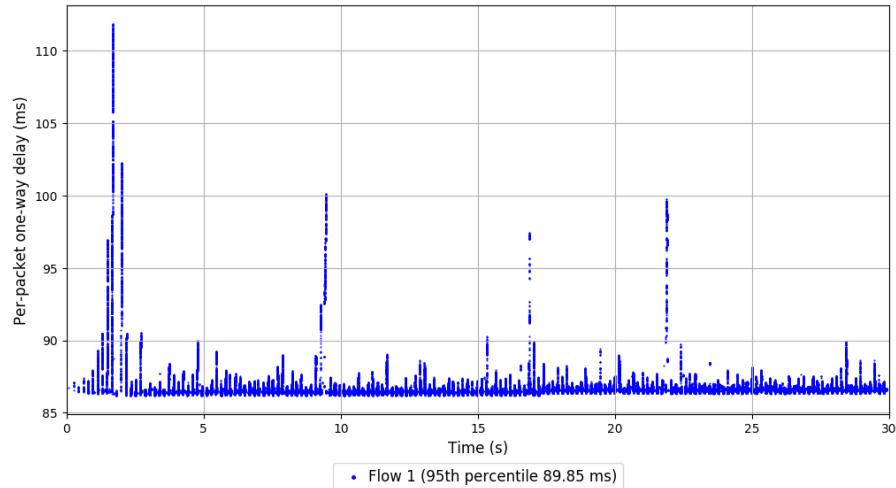
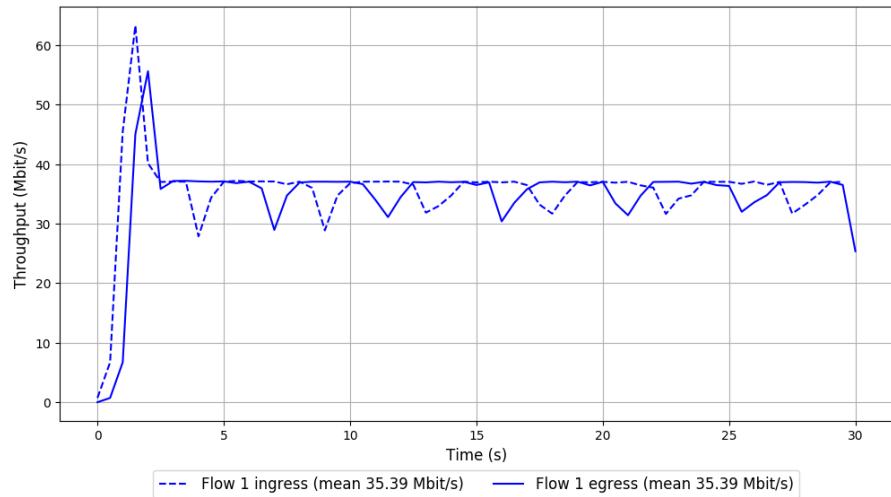


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-05 15:26:33
End at: 2018-06-05 15:27:03
Local clock offset: 0.371 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 89.850 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 89.850 ms
Loss rate: 0.58%
```

Run 3: Report of TCP Vegas — Data Link

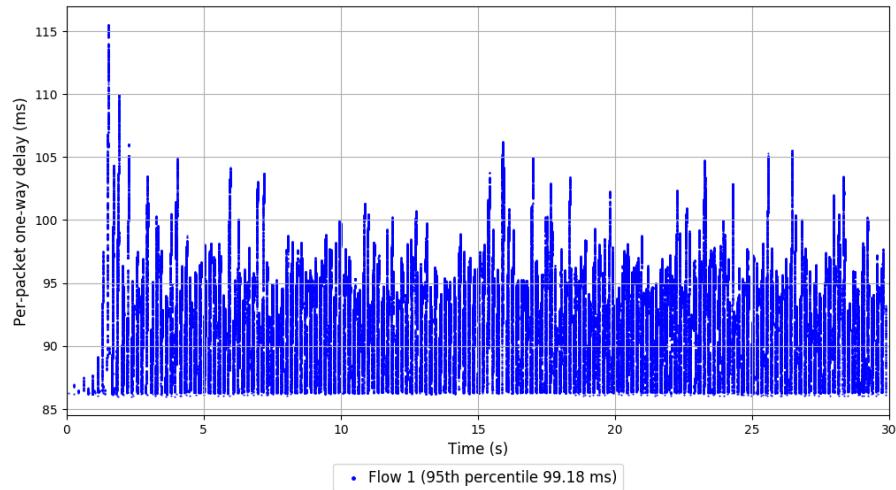
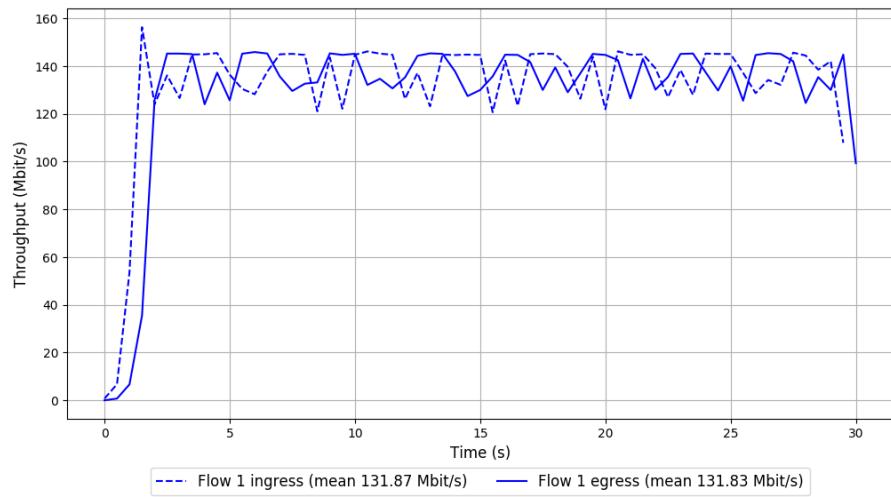


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-05 15:46:42
End at: 2018-06-05 15:47:12
Local clock offset: 0.102 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.83 Mbit/s
95th percentile per-packet one-way delay: 99.180 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 131.83 Mbit/s
95th percentile per-packet one-way delay: 99.180 ms
Loss rate: 0.60%
```

Run 4: Report of TCP Vegas — Data Link

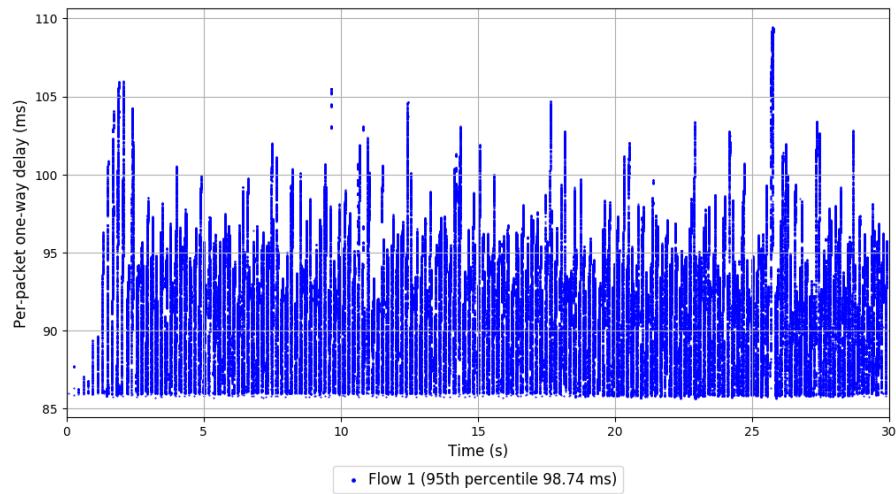
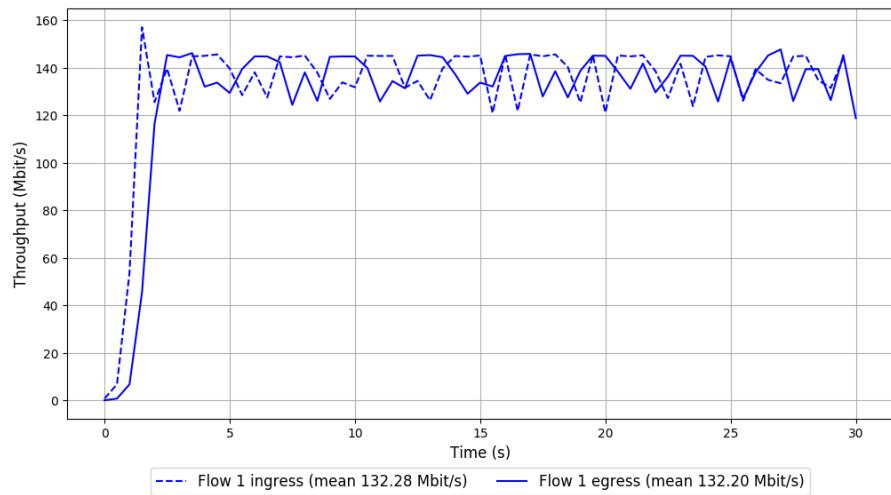


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-05 16:06:32
End at: 2018-06-05 16:07:02
Local clock offset: -0.141 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.20 Mbit/s
95th percentile per-packet one-way delay: 98.737 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 132.20 Mbit/s
95th percentile per-packet one-way delay: 98.737 ms
Loss rate: 0.62%
```

Run 5: Report of TCP Vegas — Data Link

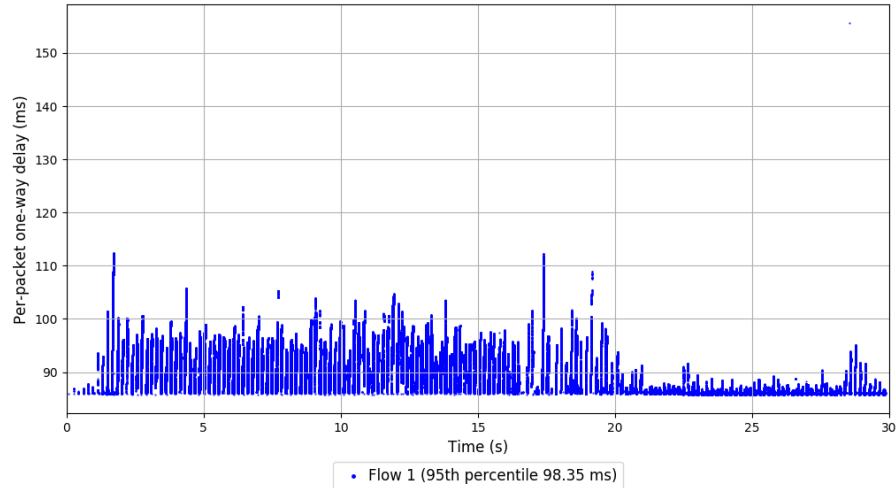
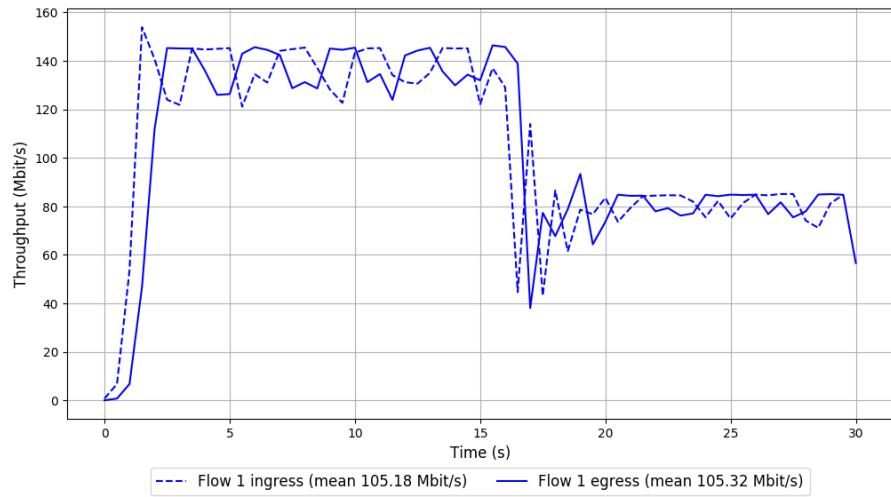


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-05 16:26:38
End at: 2018-06-05 16:27:08
Local clock offset: -0.02 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.32 Mbit/s
95th percentile per-packet one-way delay: 98.350 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 105.32 Mbit/s
95th percentile per-packet one-way delay: 98.350 ms
Loss rate: 0.45%
```

Run 6: Report of TCP Vegas — Data Link

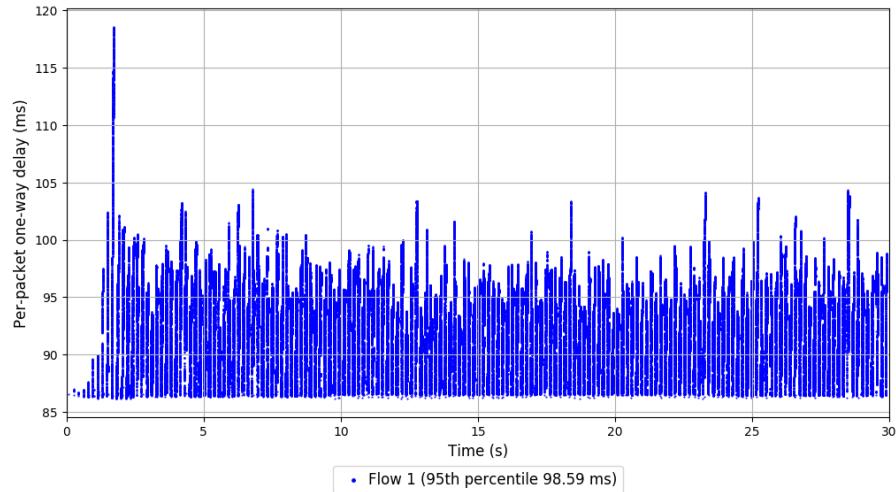
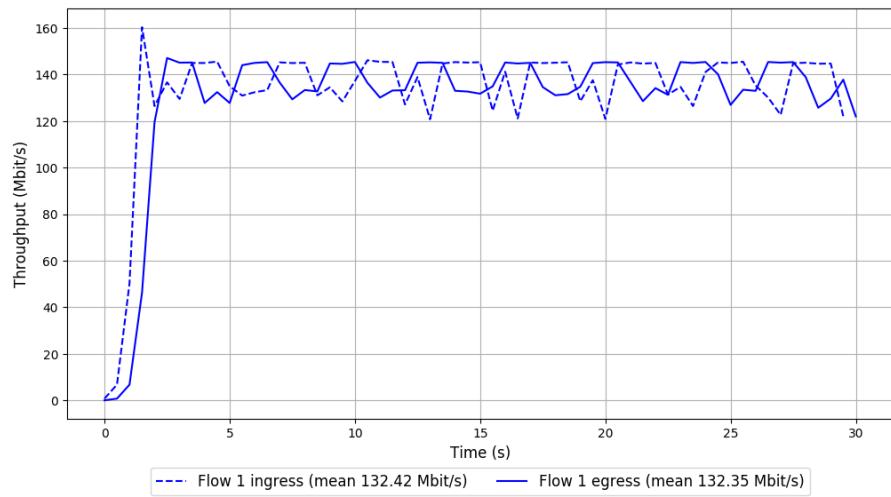


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-05 16:46:51
End at: 2018-06-05 16:47:21
Local clock offset: 0.342 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.35 Mbit/s
95th percentile per-packet one-way delay: 98.595 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 132.35 Mbit/s
95th percentile per-packet one-way delay: 98.595 ms
Loss rate: 0.60%
```

Run 7: Report of TCP Vegas — Data Link

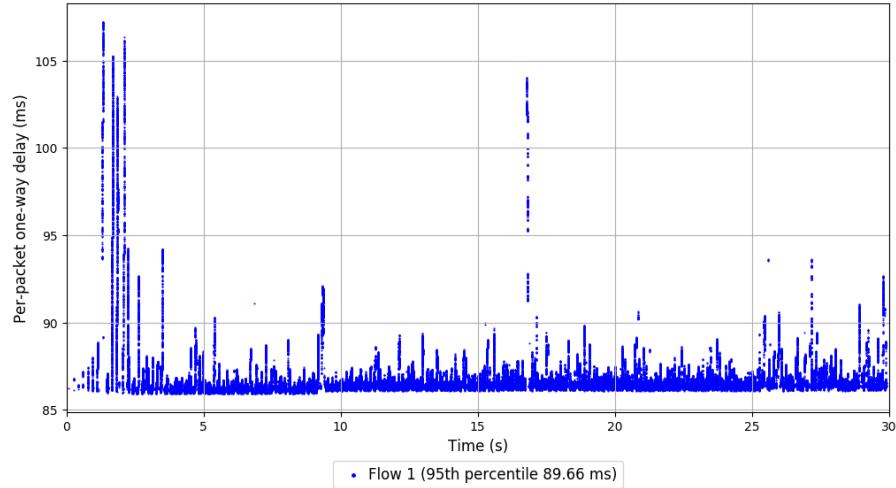
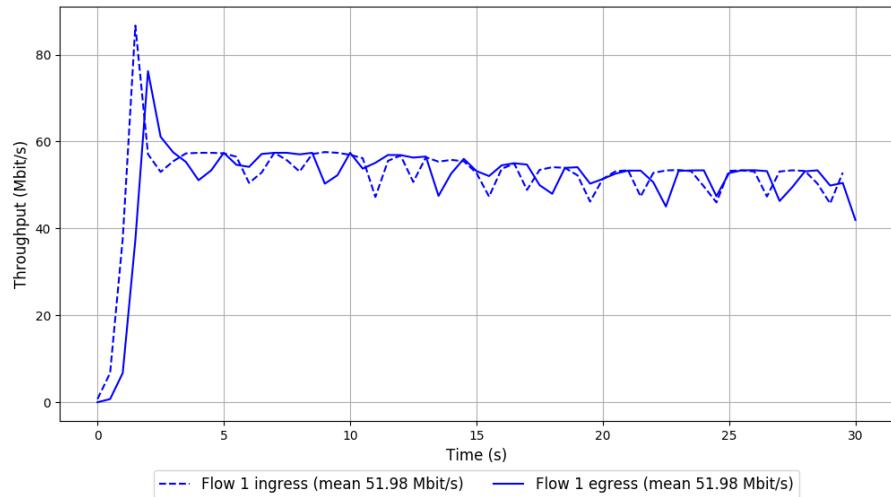


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-05 17:07:01
End at: 2018-06-05 17:07:31
Local clock offset: 0.234 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.98 Mbit/s
95th percentile per-packet one-way delay: 89.664 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 51.98 Mbit/s
95th percentile per-packet one-way delay: 89.664 ms
Loss rate: 0.57%
```

Run 8: Report of TCP Vegas — Data Link

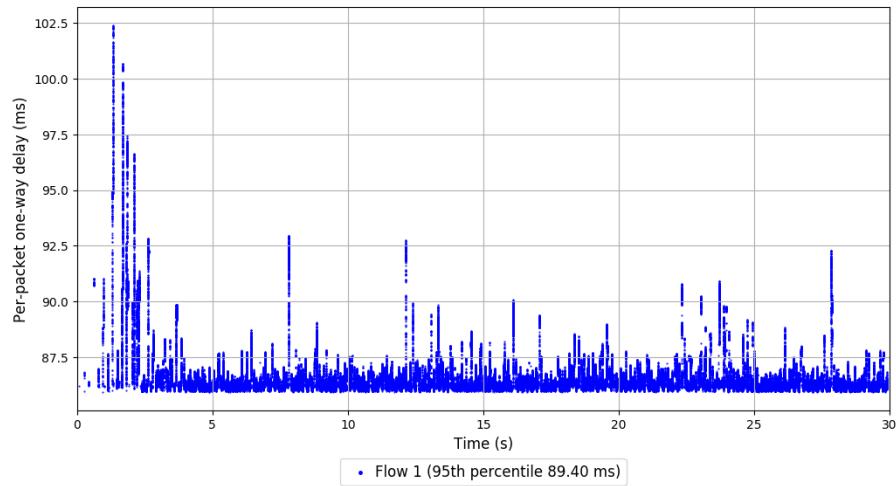
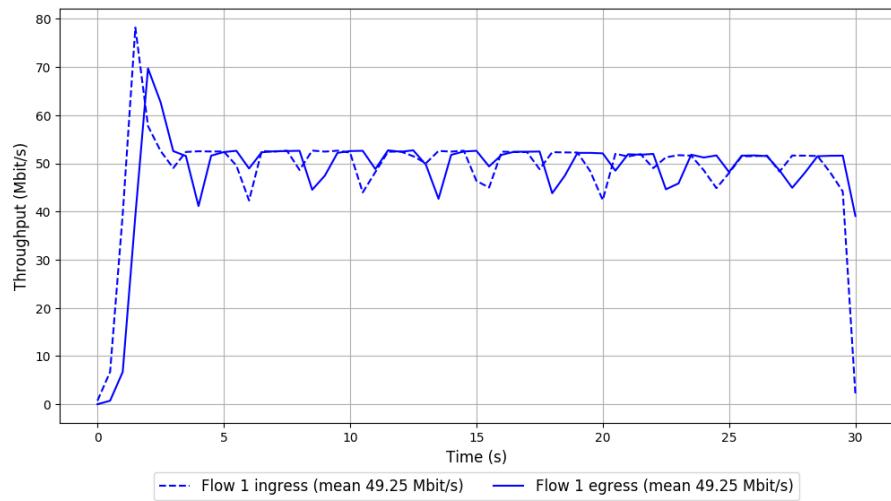


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-05 17:27:17
End at: 2018-06-05 17:27:47
Local clock offset: 0.099 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 89.401 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 89.401 ms
Loss rate: 0.58%
```

Run 9: Report of TCP Vegas — Data Link

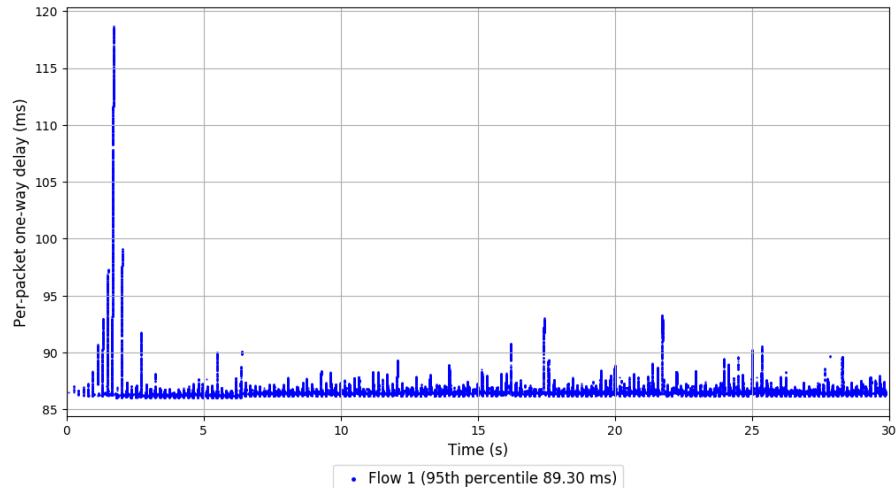
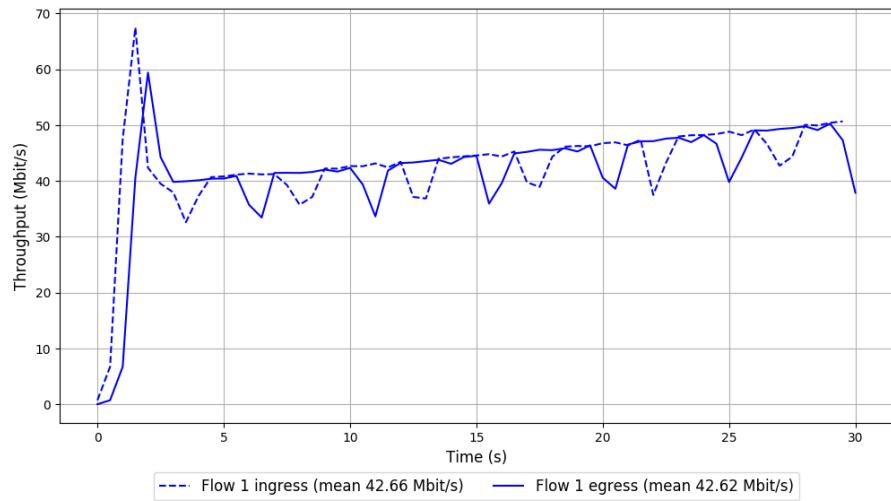


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-05 17:47:34
End at: 2018-06-05 17:48:04
Local clock offset: 0.317 ms
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2018-06-05 18:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 89.300 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 89.300 ms
Loss rate: 0.66%
```

Run 10: Report of TCP Vegas — Data Link

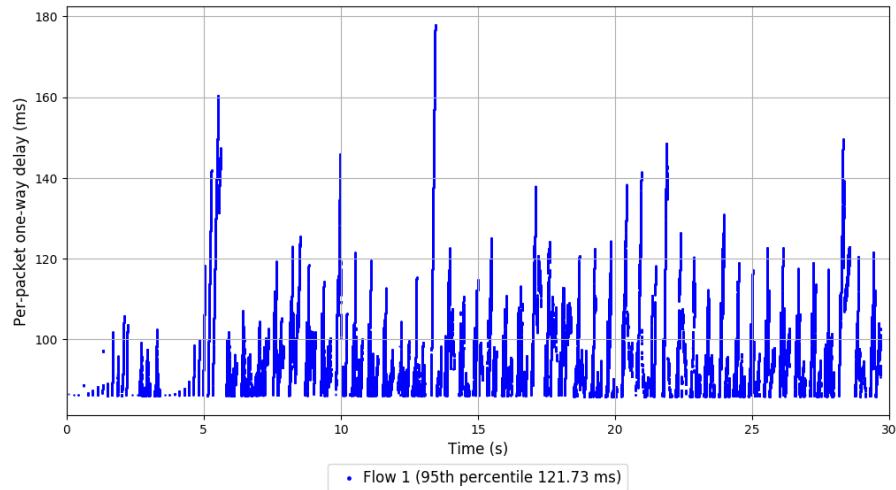
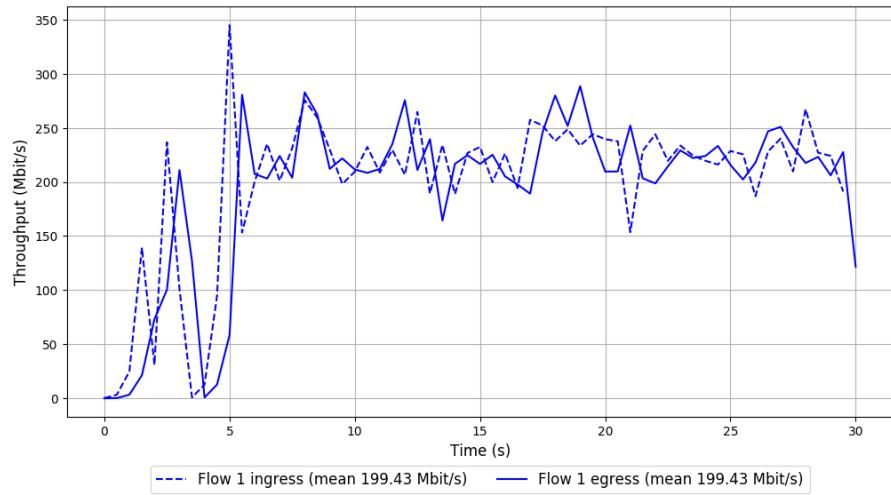


Run 1: Statistics of Verus

```
Start at: 2018-06-05 14:41:32
End at: 2018-06-05 14:42:02
Local clock offset: -0.163 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-06-05 18:48:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.43 Mbit/s
95th percentile per-packet one-way delay: 121.731 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 199.43 Mbit/s
95th percentile per-packet one-way delay: 121.731 ms
Loss rate: 1.10%
```

Run 1: Report of Verus — Data Link

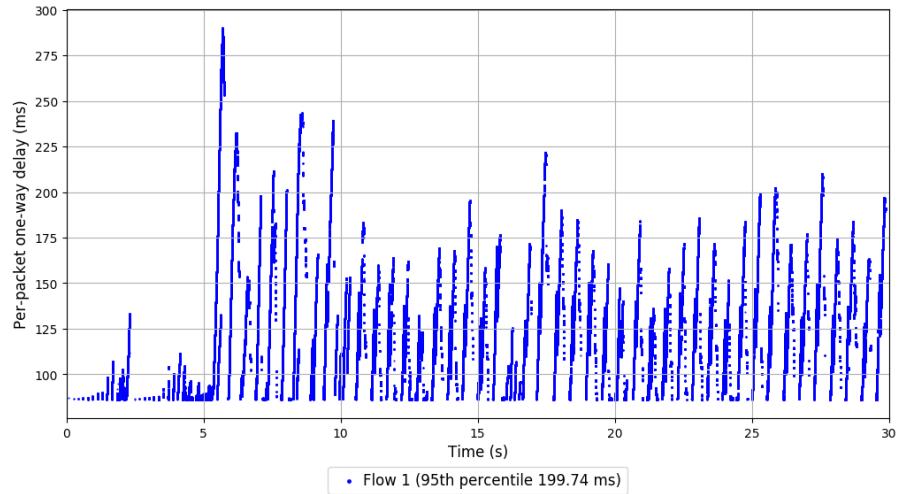
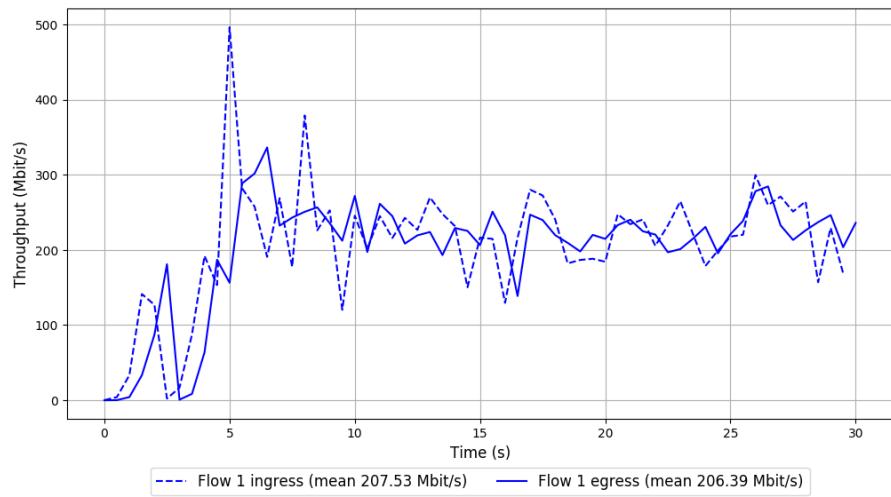


Run 2: Statistics of Verus

```
Start at: 2018-06-05 15:01:23
End at: 2018-06-05 15:01:53
Local clock offset: 0.063 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-06-05 18:48:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.39 Mbit/s
95th percentile per-packet one-way delay: 199.735 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 206.39 Mbit/s
95th percentile per-packet one-way delay: 199.735 ms
Loss rate: 0.55%
```

Run 2: Report of Verus — Data Link

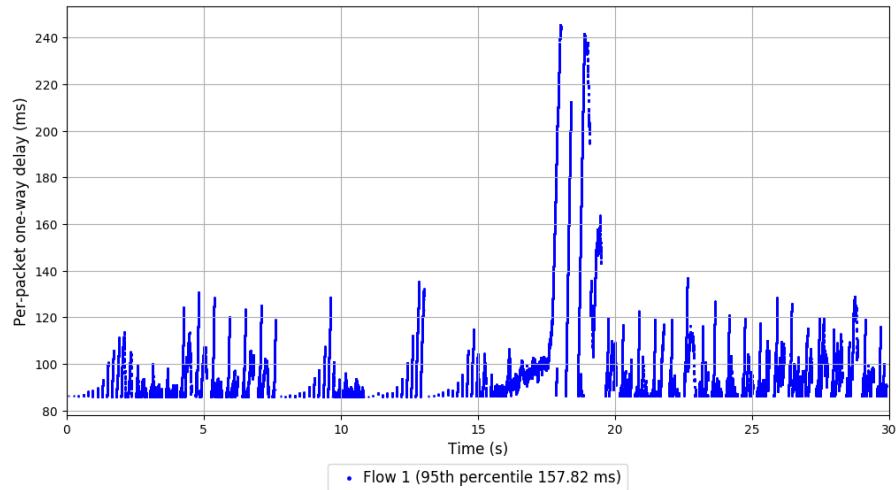
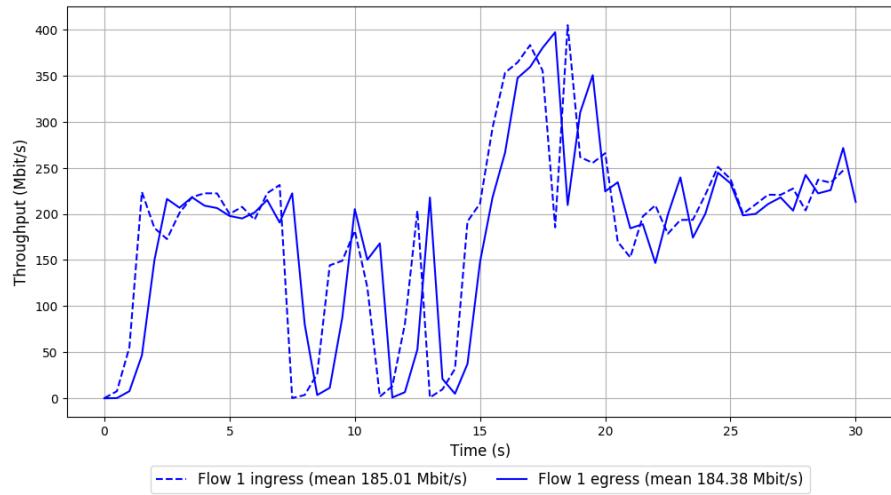


Run 3: Statistics of Verus

```
Start at: 2018-06-05 15:21:37
End at: 2018-06-05 15:22:07
Local clock offset: 0.062 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-06-05 18:48:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.38 Mbit/s
95th percentile per-packet one-way delay: 157.822 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 184.38 Mbit/s
95th percentile per-packet one-way delay: 157.822 ms
Loss rate: 0.62%
```

Run 3: Report of Verus — Data Link

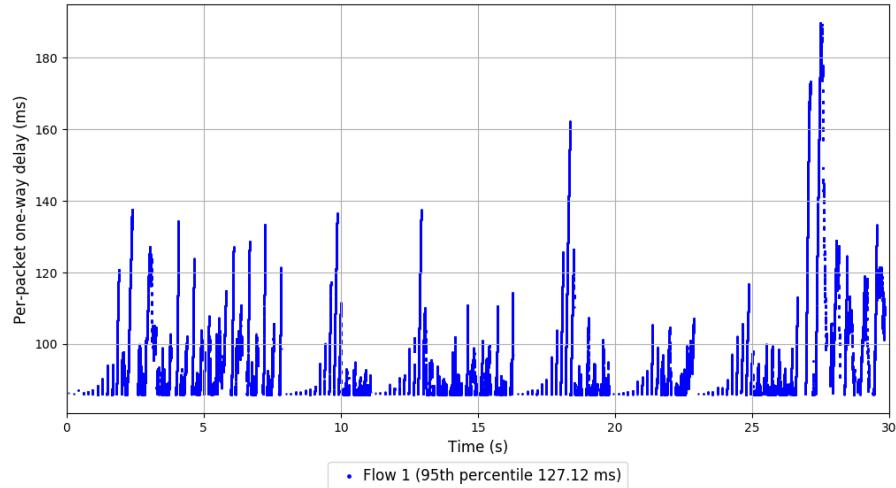
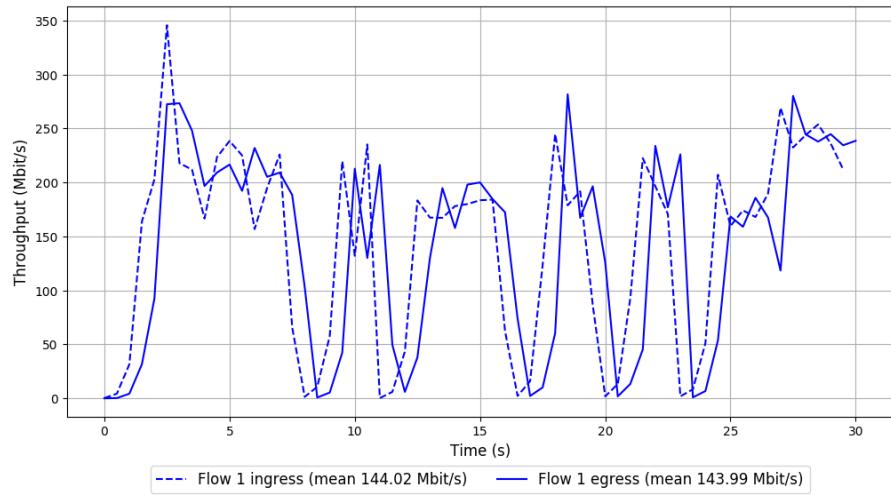


Run 4: Statistics of Verus

```
Start at: 2018-06-05 15:41:49
End at: 2018-06-05 15:42:19
Local clock offset: -0.1 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-06-05 18:48:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 143.99 Mbit/s
95th percentile per-packet one-way delay: 127.125 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 143.99 Mbit/s
95th percentile per-packet one-way delay: 127.125 ms
Loss rate: 0.77%
```

Run 4: Report of Verus — Data Link

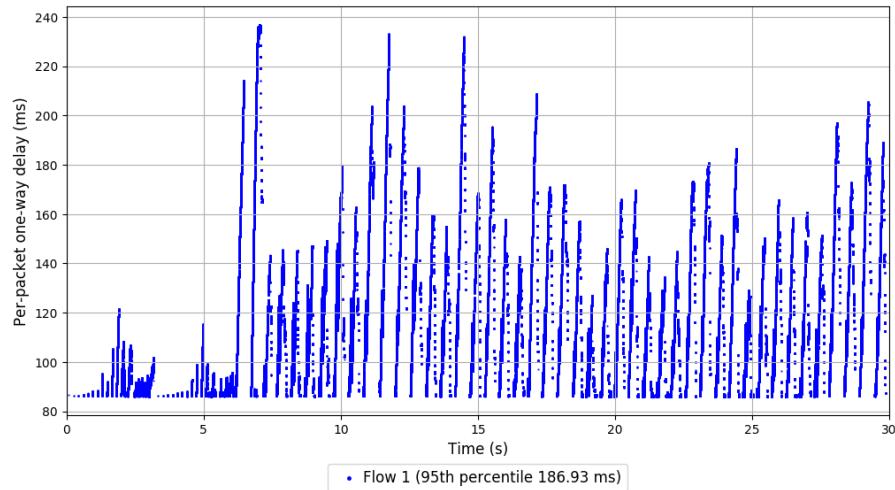
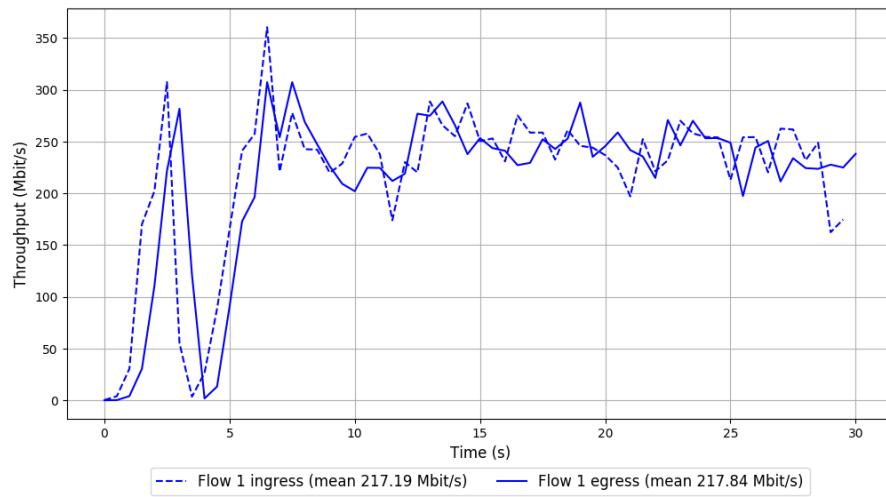


Run 5: Statistics of Verus

```
Start at: 2018-06-05 16:01:33
End at: 2018-06-05 16:02:03
Local clock offset: 0.143 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-06-05 18:49:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.84 Mbit/s
95th percentile per-packet one-way delay: 186.932 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 217.84 Mbit/s
95th percentile per-packet one-way delay: 186.932 ms
Loss rate: 0.30%
```

Run 5: Report of Verus — Data Link

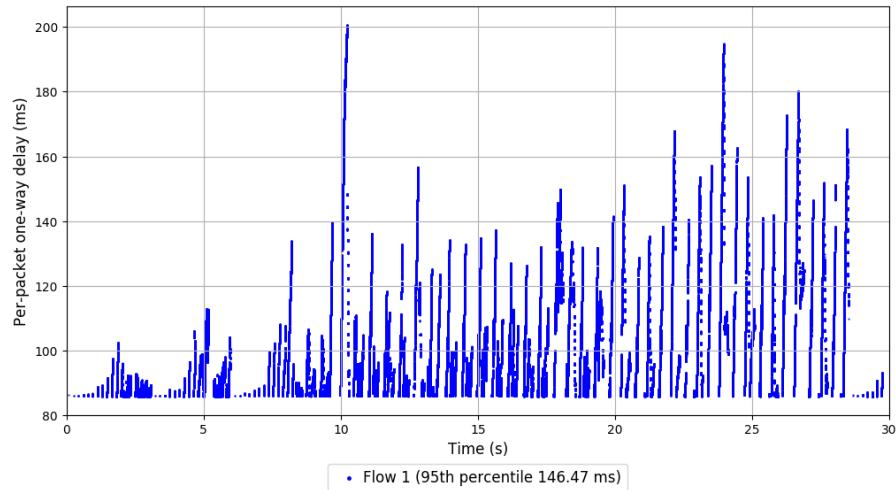
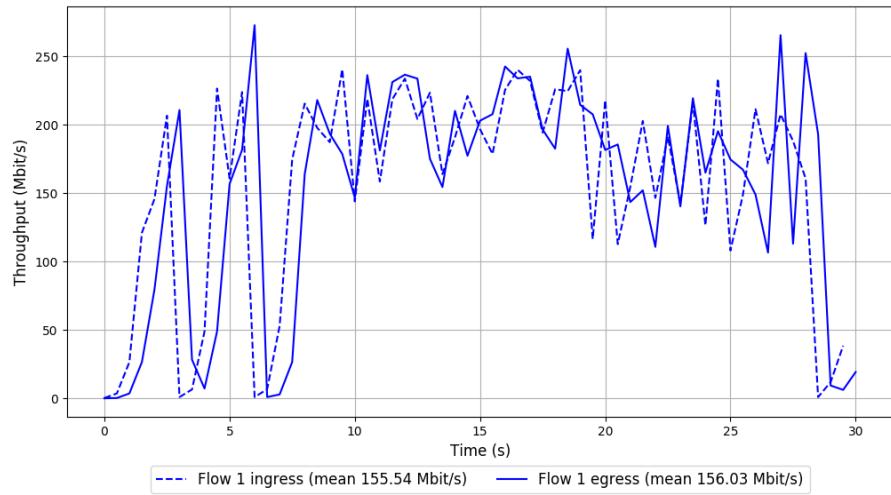


Run 6: Statistics of Verus

```
Start at: 2018-06-05 16:21:44
End at: 2018-06-05 16:22:14
Local clock offset: 0.04 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-06-05 18:49:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 156.03 Mbit/s
95th percentile per-packet one-way delay: 146.475 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 156.03 Mbit/s
95th percentile per-packet one-way delay: 146.475 ms
Loss rate: 0.28%
```

Run 6: Report of Verus — Data Link

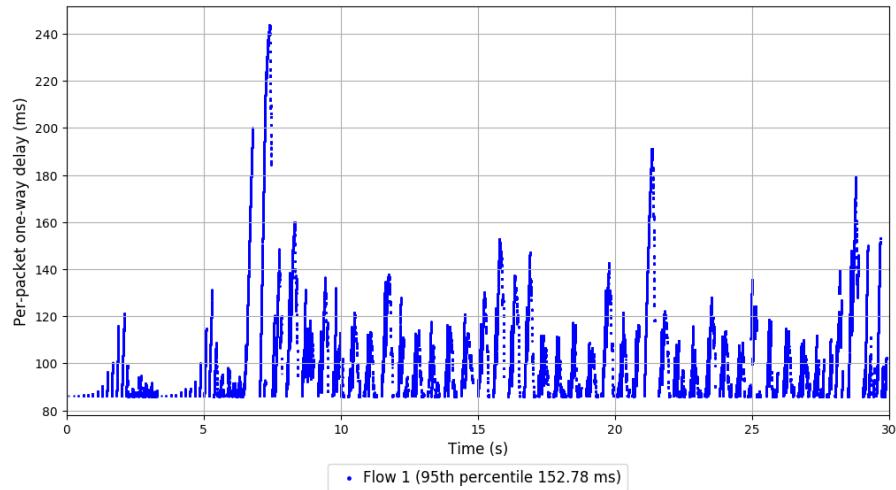
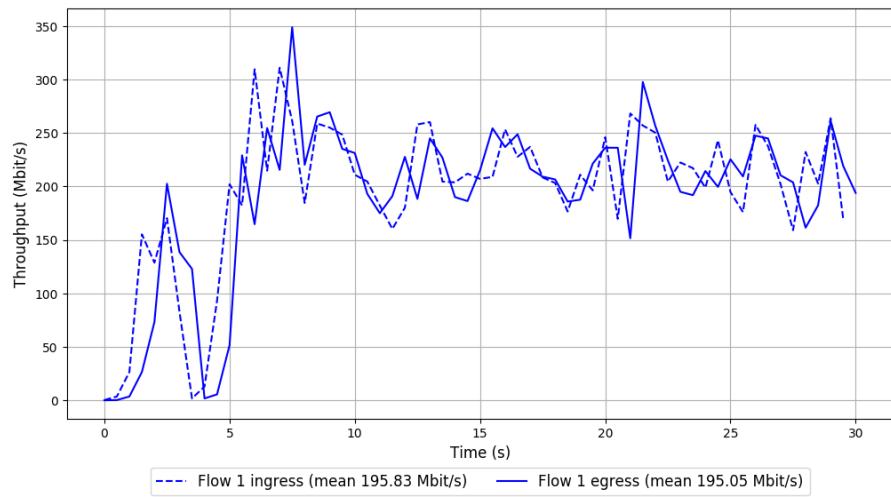


Run 7: Statistics of Verus

```
Start at: 2018-06-05 16:41:53
End at: 2018-06-05 16:42:23
Local clock offset: 0.019 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2018-06-05 18:50:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.05 Mbit/s
95th percentile per-packet one-way delay: 152.785 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 195.05 Mbit/s
95th percentile per-packet one-way delay: 152.785 ms
Loss rate: 0.45%
```

Run 7: Report of Verus — Data Link

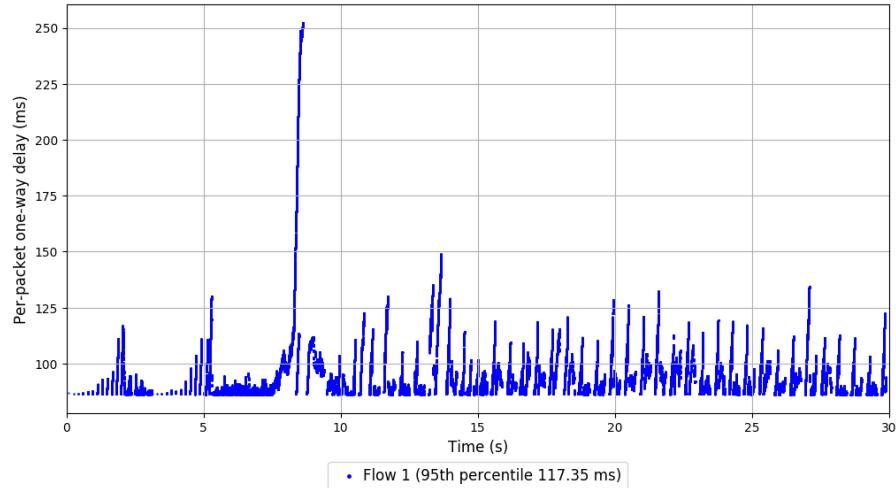
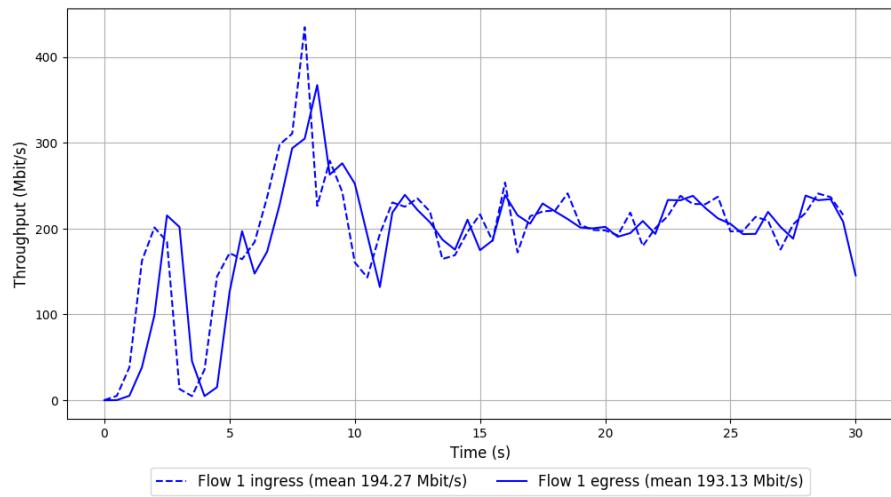


Run 8: Statistics of Verus

```
Start at: 2018-06-05 17:02:05
End at: 2018-06-05 17:02:35
Local clock offset: 0.312 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-06-05 18:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.13 Mbit/s
95th percentile per-packet one-way delay: 117.349 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 193.13 Mbit/s
95th percentile per-packet one-way delay: 117.349 ms
Loss rate: 1.16%
```

Run 8: Report of Verus — Data Link

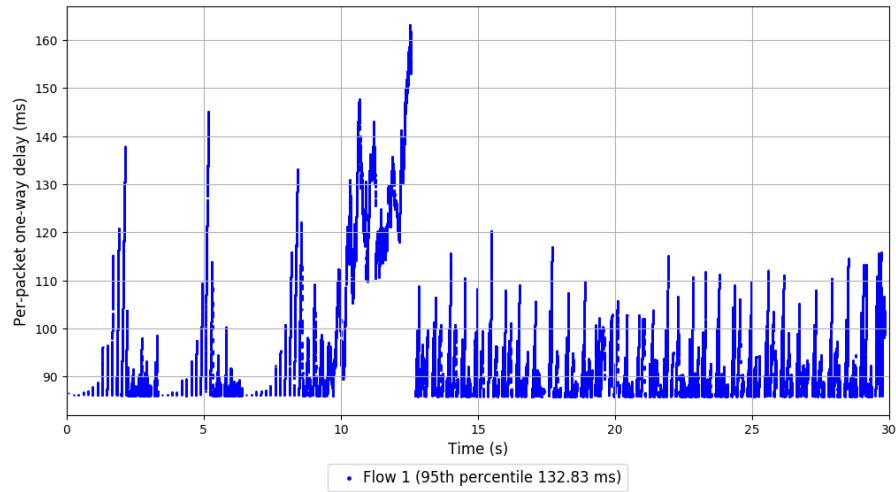
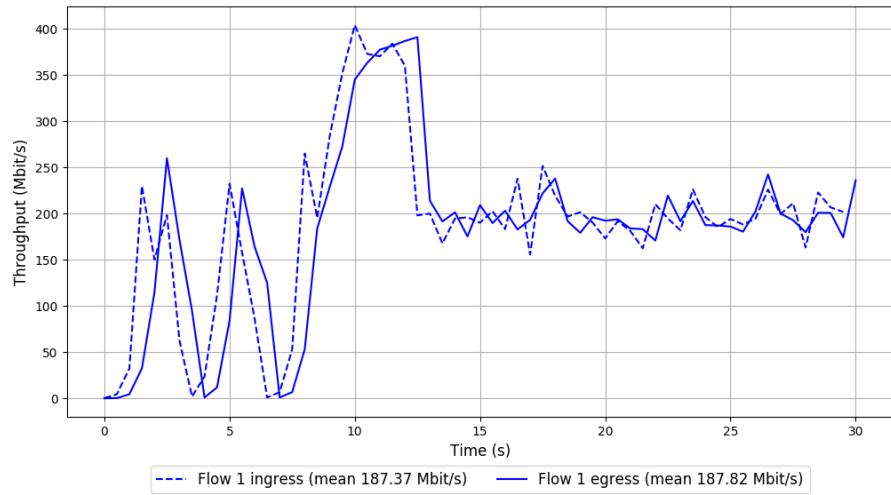


Run 9: Statistics of Verus

```
Start at: 2018-06-05 17:22:21
End at: 2018-06-05 17:22:51
Local clock offset: 0.079 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-05 18:51:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.82 Mbit/s
95th percentile per-packet one-way delay: 132.829 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 187.82 Mbit/s
95th percentile per-packet one-way delay: 132.829 ms
Loss rate: 0.41%
```

Run 9: Report of Verus — Data Link

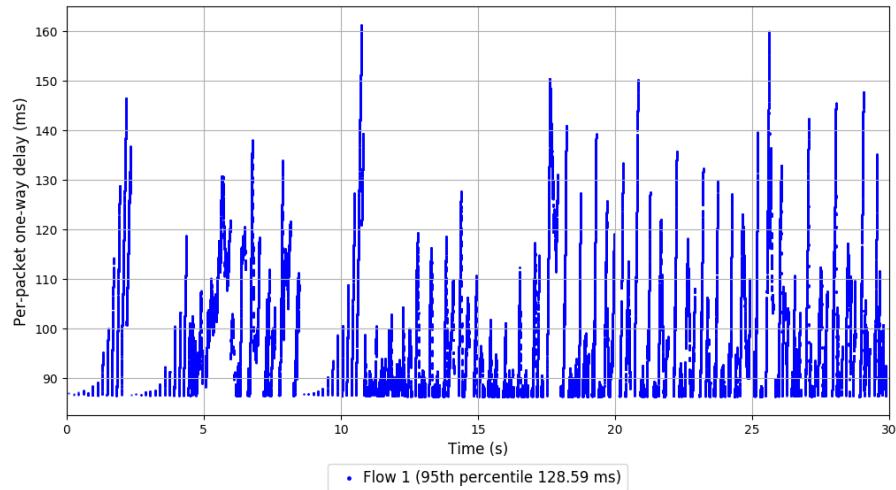
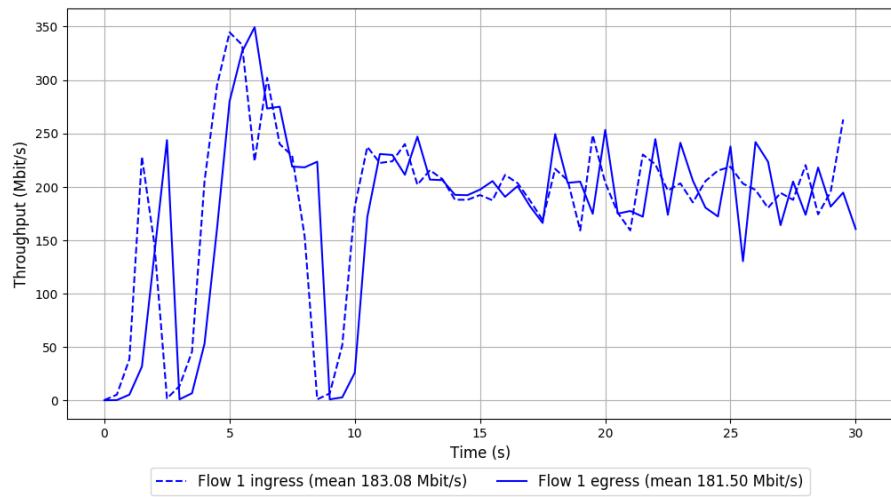


Run 10: Statistics of Verus

```
Start at: 2018-06-05 17:42:38
End at: 2018-06-05 17:43:08
Local clock offset: 0.568 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-06-05 18:51:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.50 Mbit/s
95th percentile per-packet one-way delay: 128.590 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 181.50 Mbit/s
95th percentile per-packet one-way delay: 128.590 ms
Loss rate: 1.42%
```

Run 10: Report of Verus — Data Link

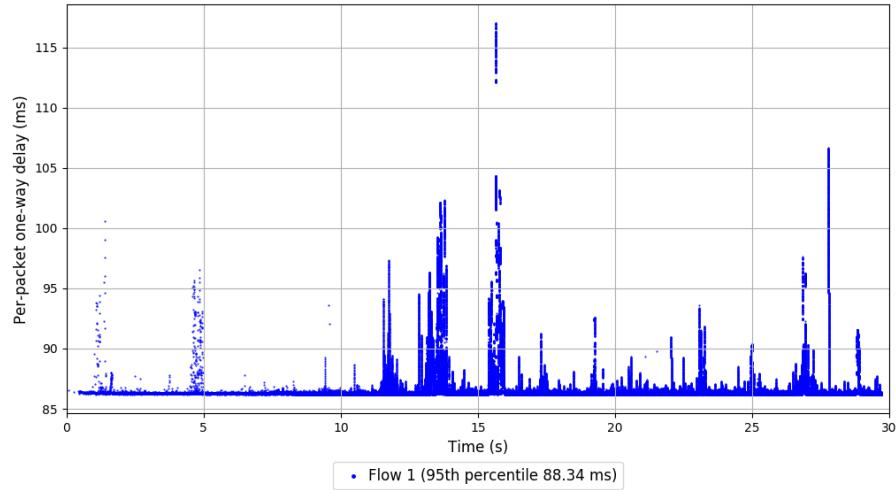
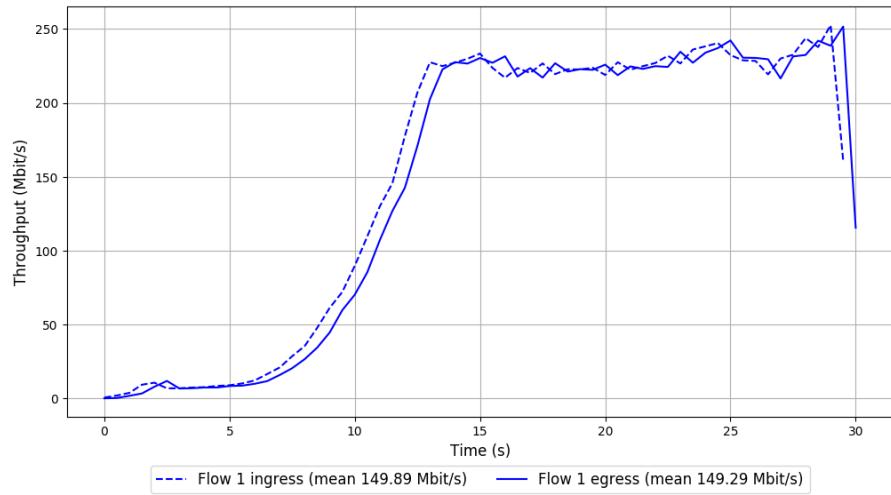


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-06-05 14:35:26
End at: 2018-06-05 14:35:56
Local clock offset: 0.072 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-06-05 18:51:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.29 Mbit/s
95th percentile per-packet one-way delay: 88.337 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 149.29 Mbit/s
95th percentile per-packet one-way delay: 88.337 ms
Loss rate: 0.98%
```

Run 1: Report of PCC-Vivace — Data Link

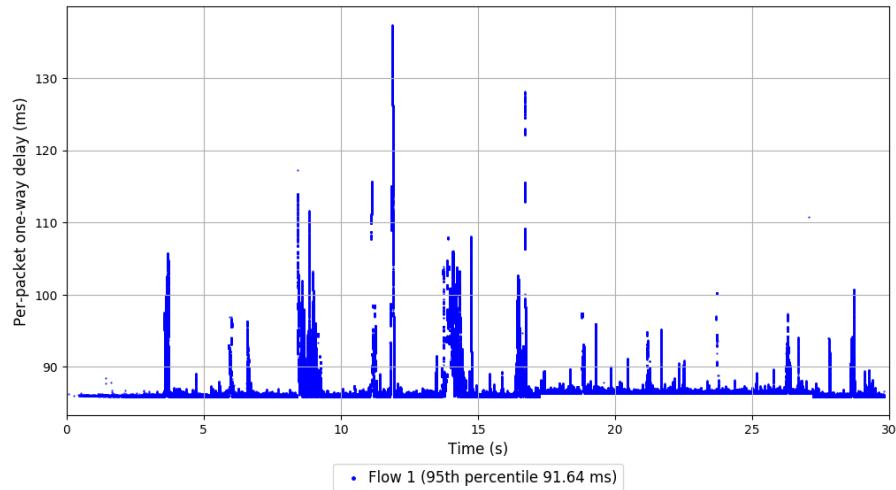
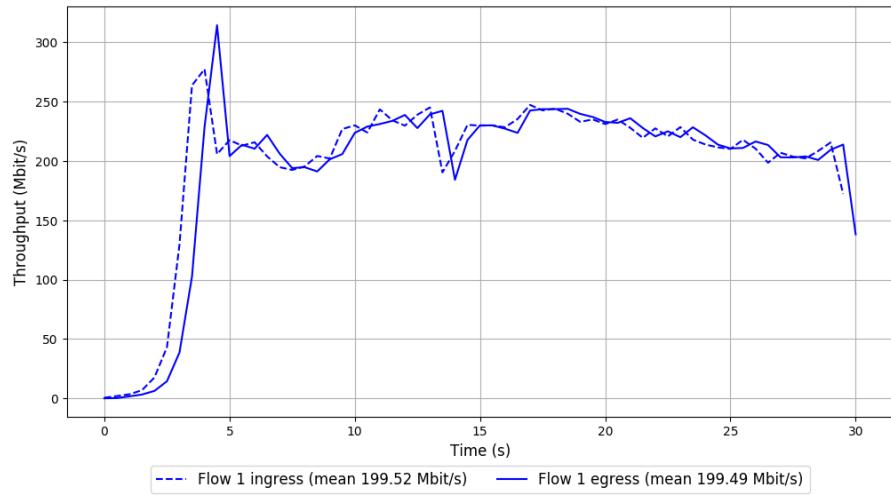


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-05 14:55:03
End at: 2018-06-05 14:55:33
Local clock offset: -0.016 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-06-05 18:52:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.49 Mbit/s
95th percentile per-packet one-way delay: 91.640 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 199.49 Mbit/s
95th percentile per-packet one-way delay: 91.640 ms
Loss rate: 0.59%
```

Run 2: Report of PCC-Vivace — Data Link

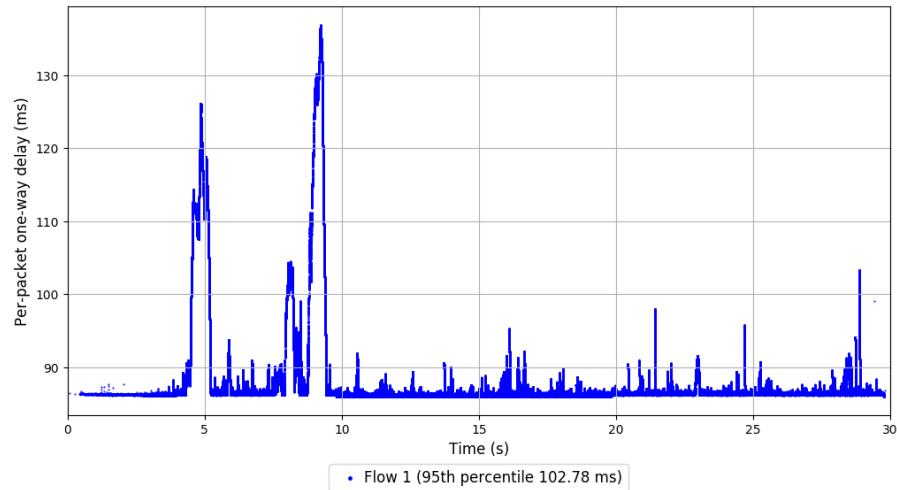
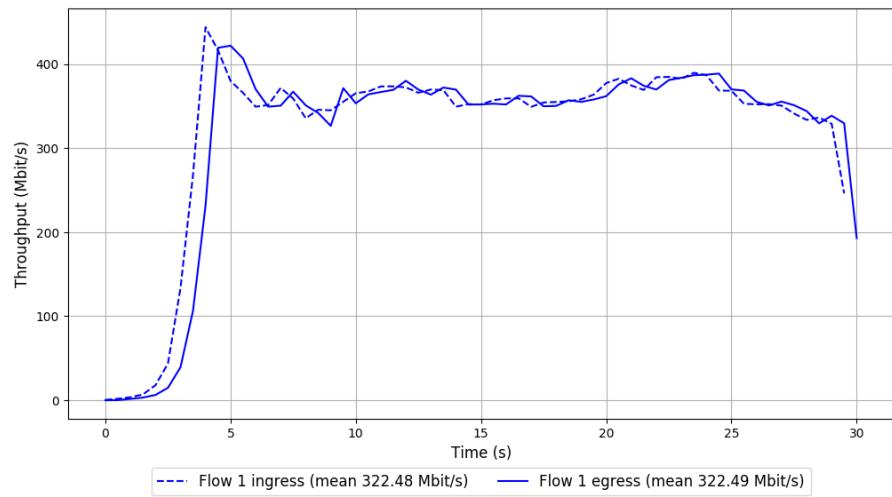


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-05 15:15:10
End at: 2018-06-05 15:15:40
Local clock offset: 0.082 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-06-05 18:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 322.49 Mbit/s
95th percentile per-packet one-way delay: 102.779 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 322.49 Mbit/s
95th percentile per-packet one-way delay: 102.779 ms
Loss rate: 0.57%
```

Run 3: Report of PCC-Vivace — Data Link

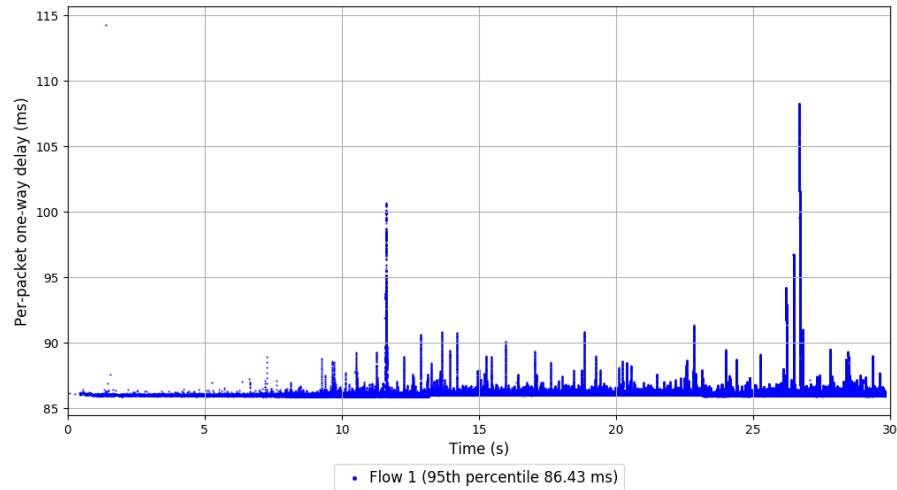
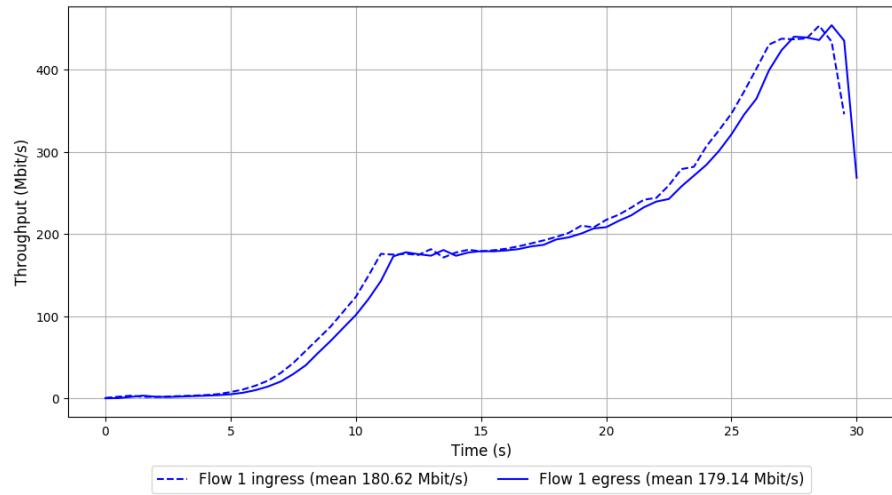


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-05 15:35:27
End at: 2018-06-05 15:35:57
Local clock offset: 0.139 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-06-05 18:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.14 Mbit/s
95th percentile per-packet one-way delay: 86.430 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 179.14 Mbit/s
95th percentile per-packet one-way delay: 86.430 ms
Loss rate: 1.40%
```

Run 4: Report of PCC-Vivace — Data Link

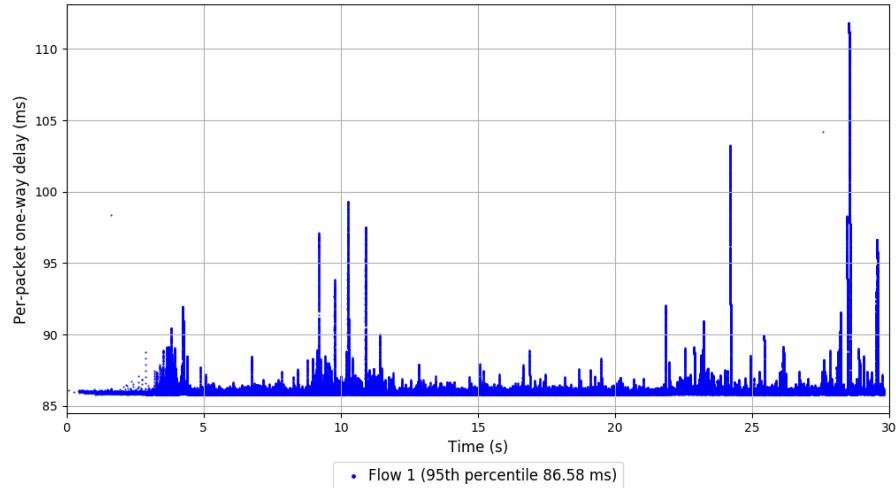
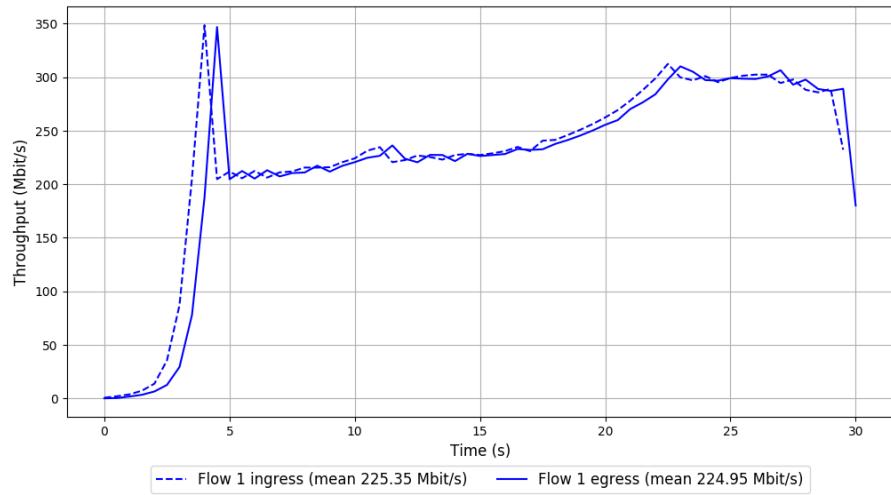


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-05 15:55:27
End at: 2018-06-05 15:55:57
Local clock offset: -0.004 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-05 18:54:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.95 Mbit/s
95th percentile per-packet one-way delay: 86.582 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 224.95 Mbit/s
95th percentile per-packet one-way delay: 86.582 ms
Loss rate: 0.76%
```

Run 5: Report of PCC-Vivace — Data Link

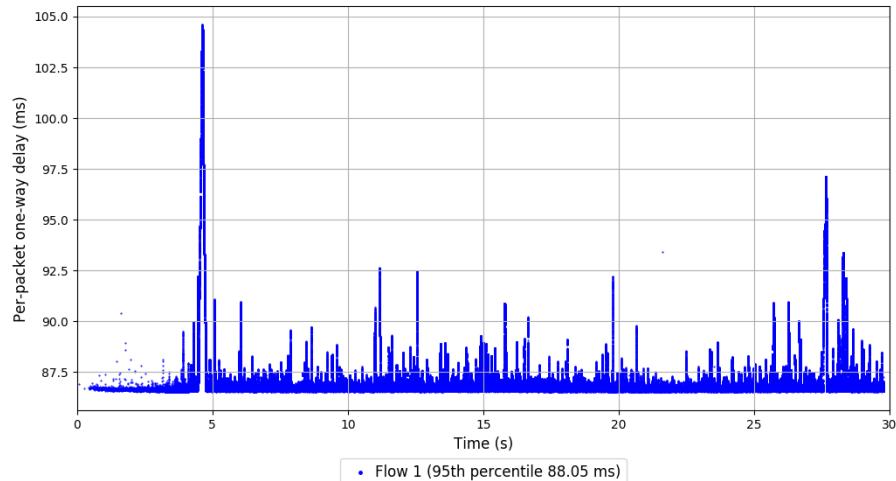
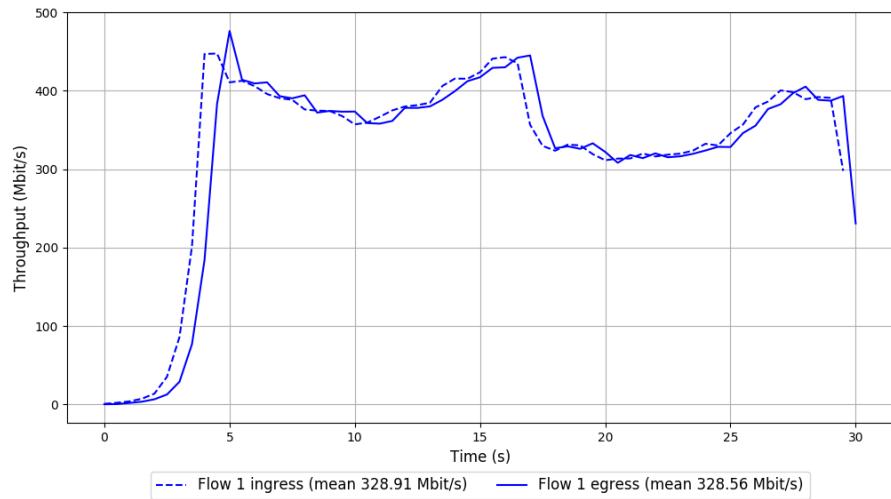


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-05 16:15:28
End at: 2018-06-05 16:15:58
Local clock offset: 0.283 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-06-05 18:55:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 328.56 Mbit/s
95th percentile per-packet one-way delay: 88.050 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 328.56 Mbit/s
95th percentile per-packet one-way delay: 88.050 ms
Loss rate: 0.69%
```

Run 6: Report of PCC-Vivace — Data Link

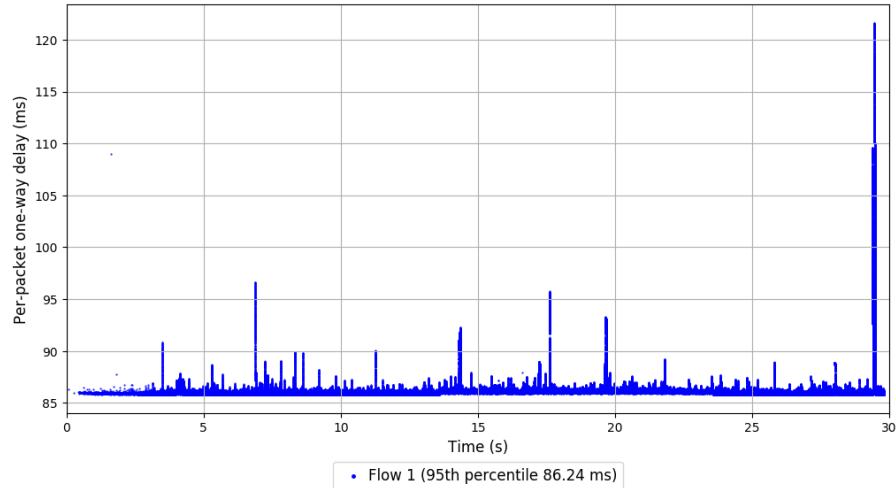
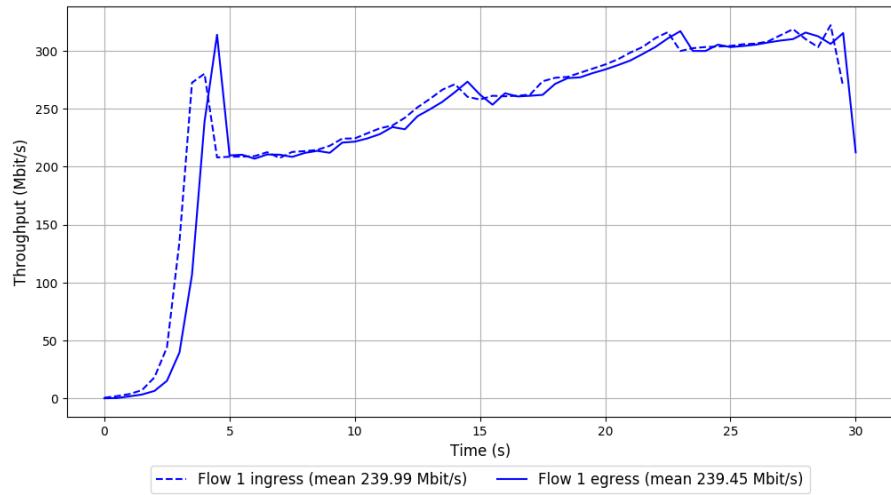


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-05 16:35:37
End at: 2018-06-05 16:36:07
Local clock offset: 0.077 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-06-05 18:55:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.45 Mbit/s
95th percentile per-packet one-way delay: 86.238 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 239.45 Mbit/s
95th percentile per-packet one-way delay: 86.238 ms
Loss rate: 0.81%
```

Run 7: Report of PCC-Vivace — Data Link

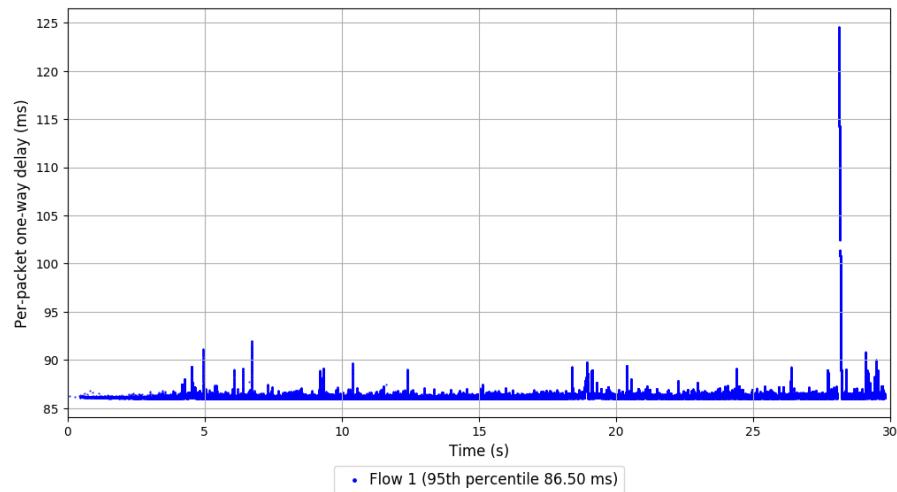
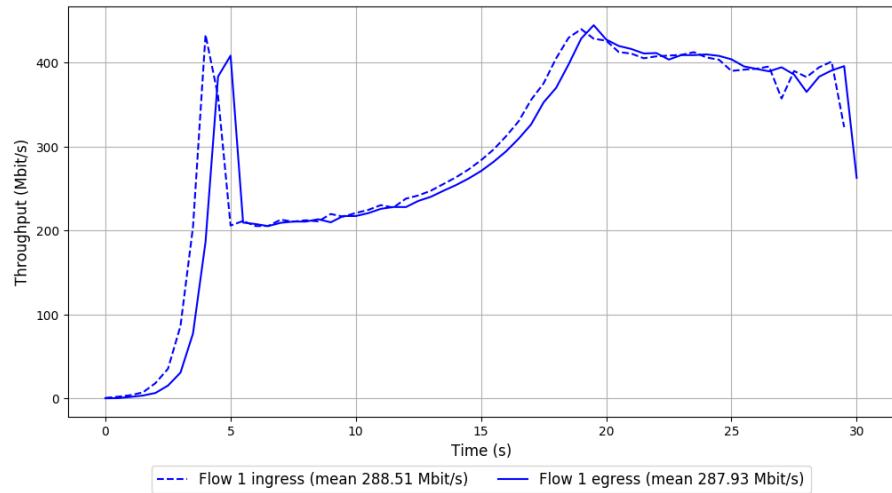


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-05 16:55:36
End at: 2018-06-05 16:56:06
Local clock offset: 0.116 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-06-05 18:55:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 287.93 Mbit/s
95th percentile per-packet one-way delay: 86.505 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 287.93 Mbit/s
95th percentile per-packet one-way delay: 86.505 ms
Loss rate: 0.78%
```

Run 8: Report of PCC-Vivace — Data Link

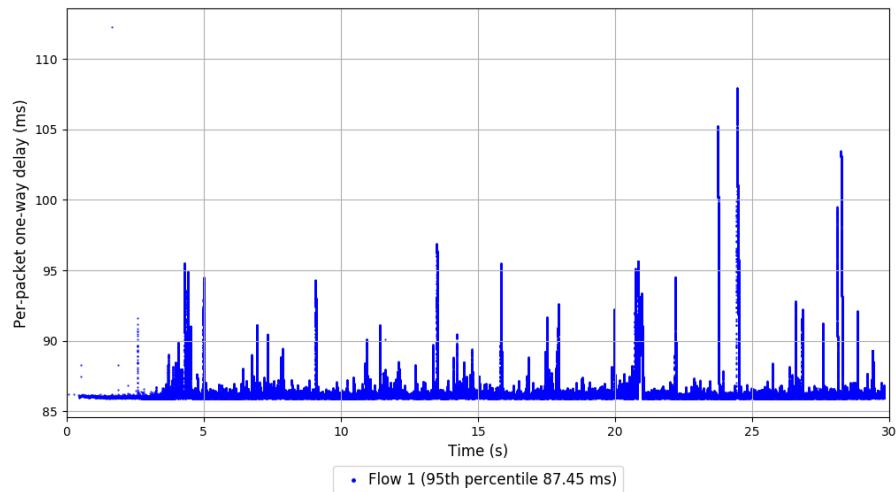
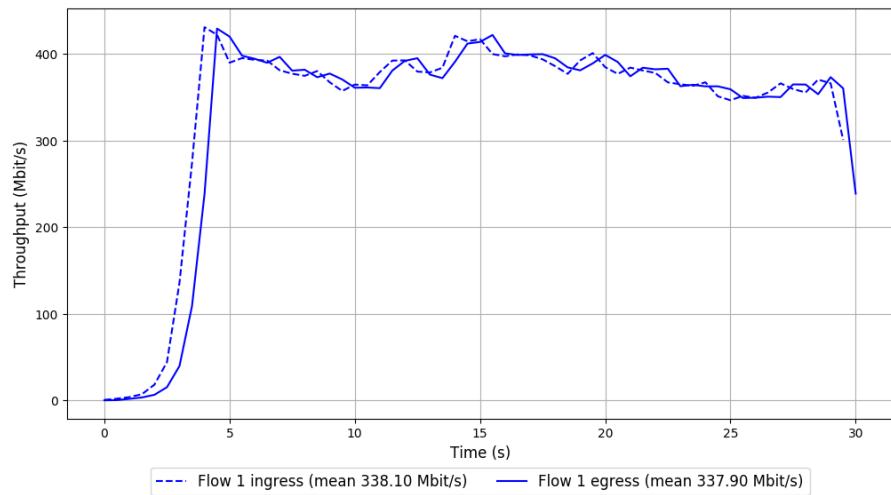


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-05 17:15:54
End at: 2018-06-05 17:16:24
Local clock offset: 0.133 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-06-05 18:55:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.90 Mbit/s
95th percentile per-packet one-way delay: 87.449 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 337.90 Mbit/s
95th percentile per-packet one-way delay: 87.449 ms
Loss rate: 0.64%
```

Run 9: Report of PCC-Vivace — Data Link

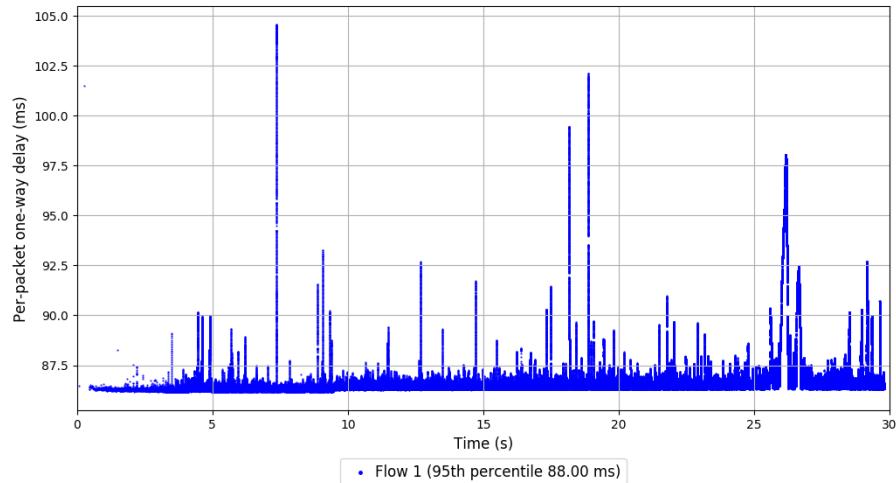
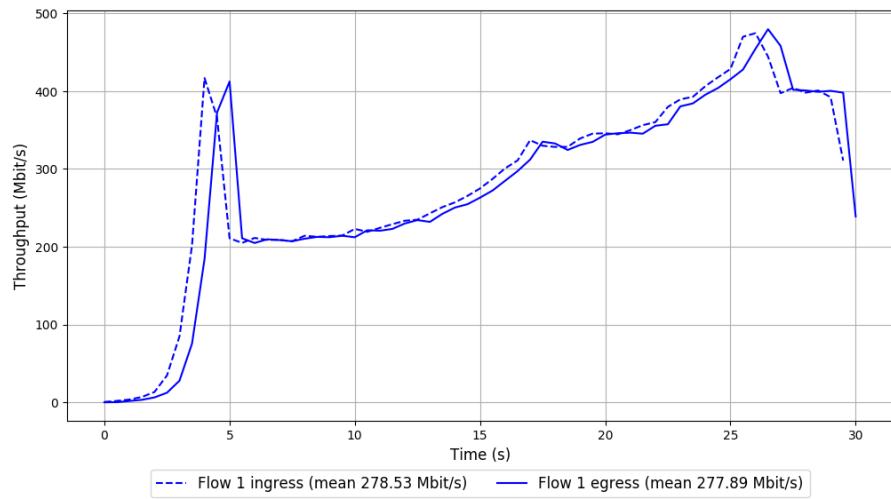


```
Run 10: Statistics of PCC-Vivace
```

```
Start at: 2018-06-05 17:36:11
End at: 2018-06-05 17:36:41
Local clock offset: 0.387 ms
Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-06-05 18:55:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 277.89 Mbit/s
95th percentile per-packet one-way delay: 88.000 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 277.89 Mbit/s
95th percentile per-packet one-way delay: 88.000 ms
Loss rate: 0.81%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

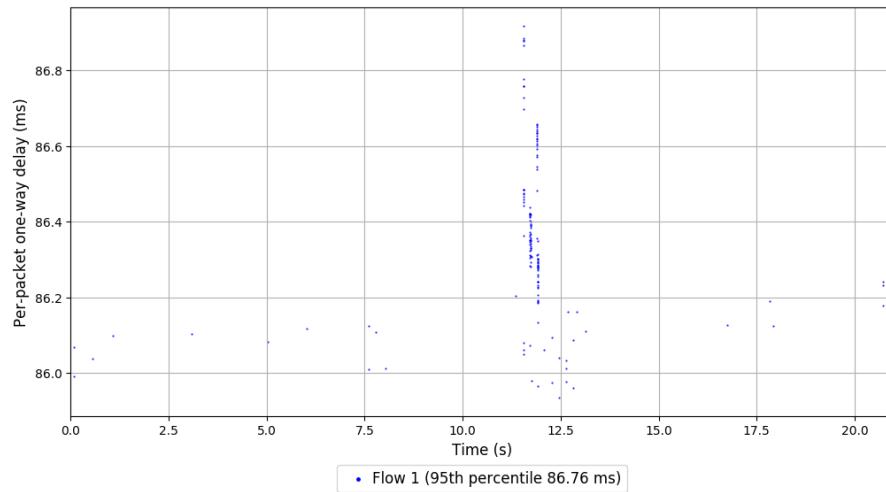
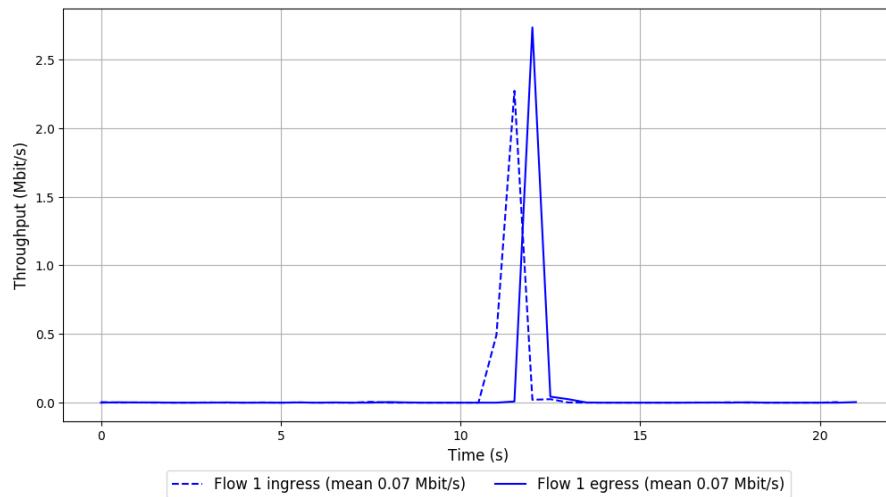
Start at: 2018-06-05 14:39:03

End at: 2018-06-05 14:39:33

Local clock offset: -0.092 ms

Remote clock offset: -0.08 ms

Run 1: Report of WebRTC media — Data Link

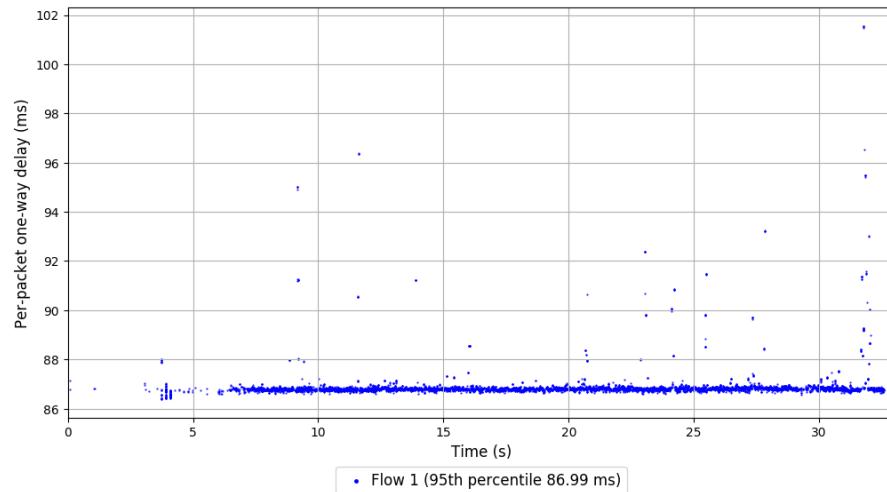
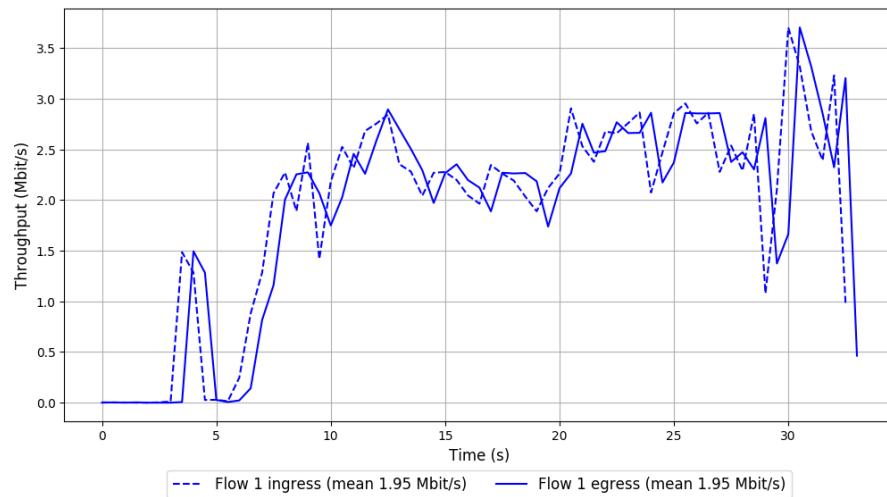


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-05 14:58:43
End at: 2018-06-05 14:59:13
Local clock offset: 0.138 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-06-05 18:55:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 86.987 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 86.987 ms
Loss rate: 0.85%
```

Run 2: Report of WebRTC media — Data Link

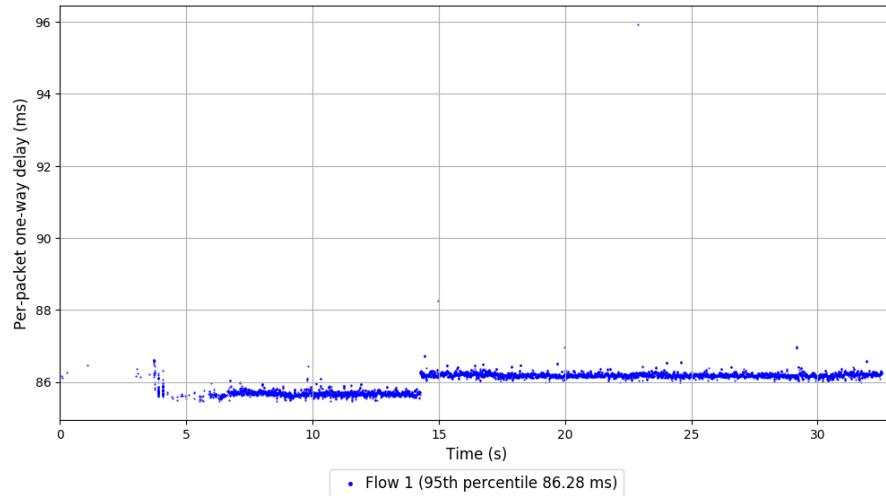
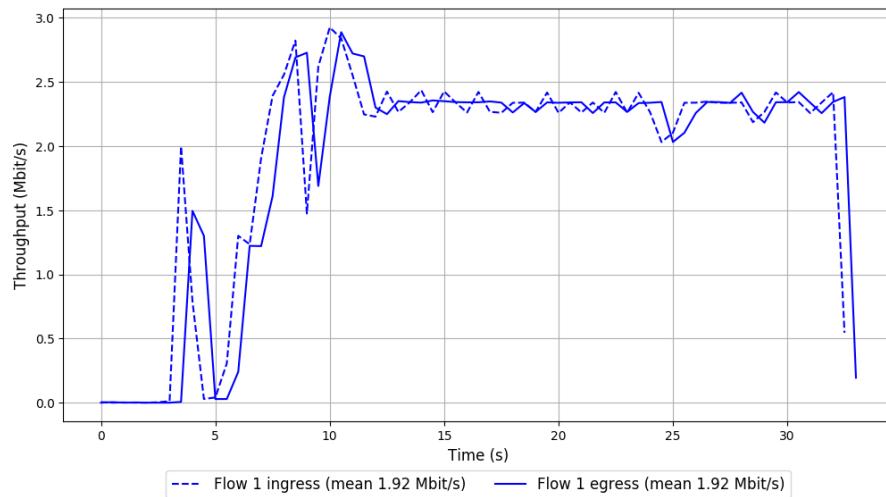


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-05 15:18:59
End at: 2018-06-05 15:19:29
Local clock offset: -0.394 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-06-05 18:55:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.279 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.279 ms
Loss rate: 0.62%
```

Run 3: Report of WebRTC media — Data Link

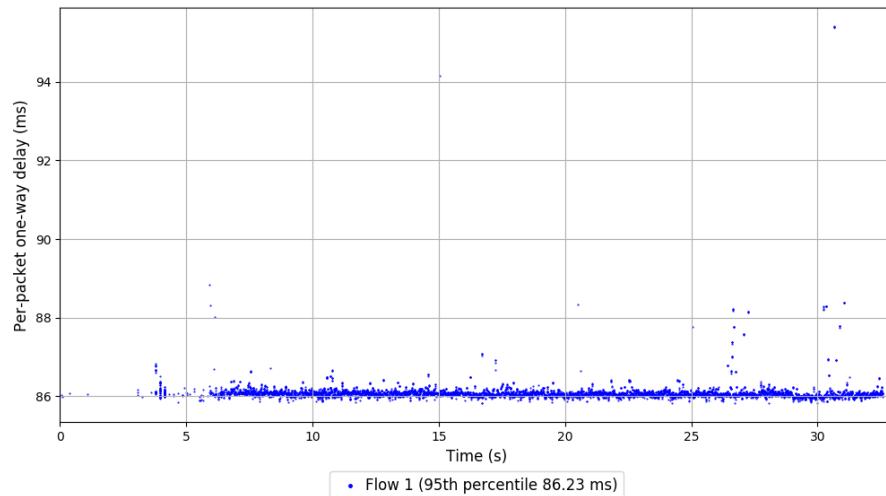
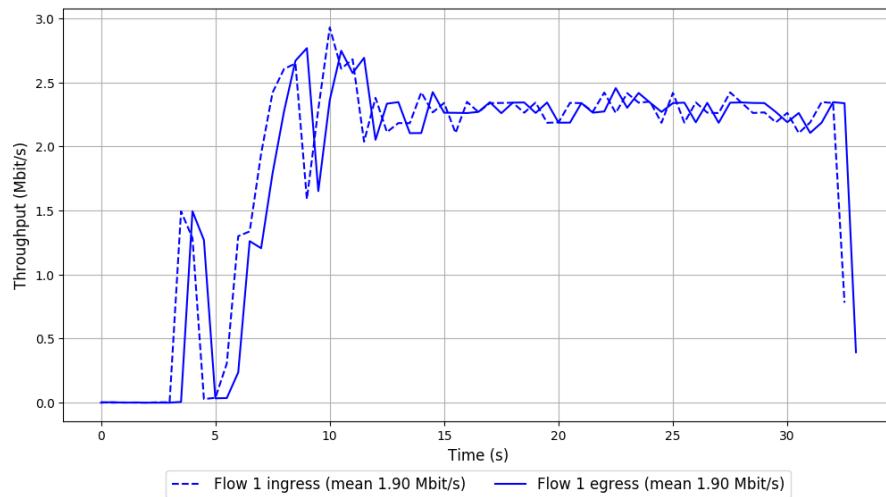


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-05 15:39:07
End at: 2018-06-05 15:39:37
Local clock offset: -0.089 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-06-05 18:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.230 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.230 ms
Loss rate: 0.63%
```

Run 4: Report of WebRTC media — Data Link

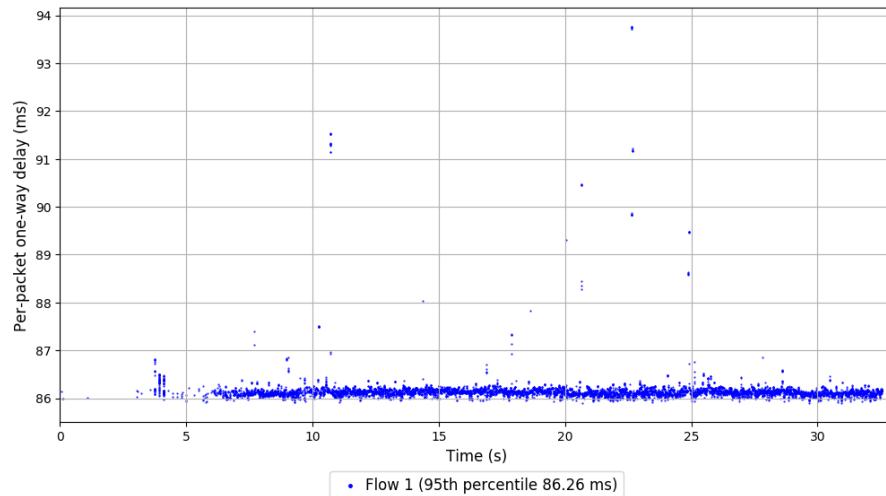
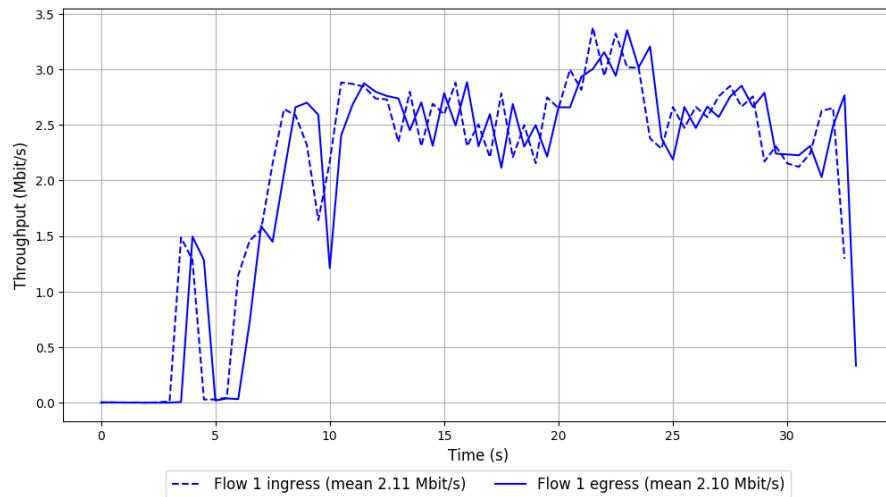


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-05 15:59:10
End at: 2018-06-05 15:59:40
Local clock offset: -0.057 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-06-05 18:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 86.260 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 86.260 ms
Loss rate: 1.00%
```

Run 5: Report of WebRTC media — Data Link

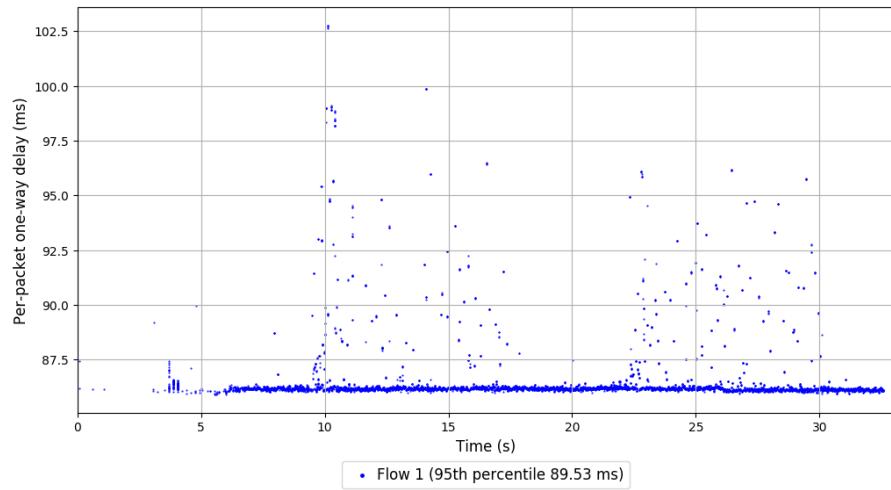
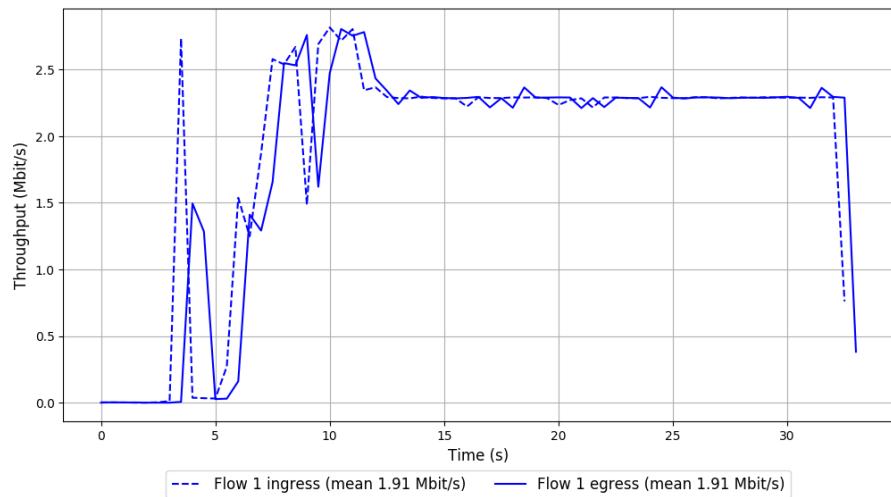


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-05 16:19:17
End at: 2018-06-05 16:19:47
Local clock offset: 0.053 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-05 18:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 89.531 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 89.531 ms
Loss rate: 0.61%
```

Run 6: Report of WebRTC media — Data Link

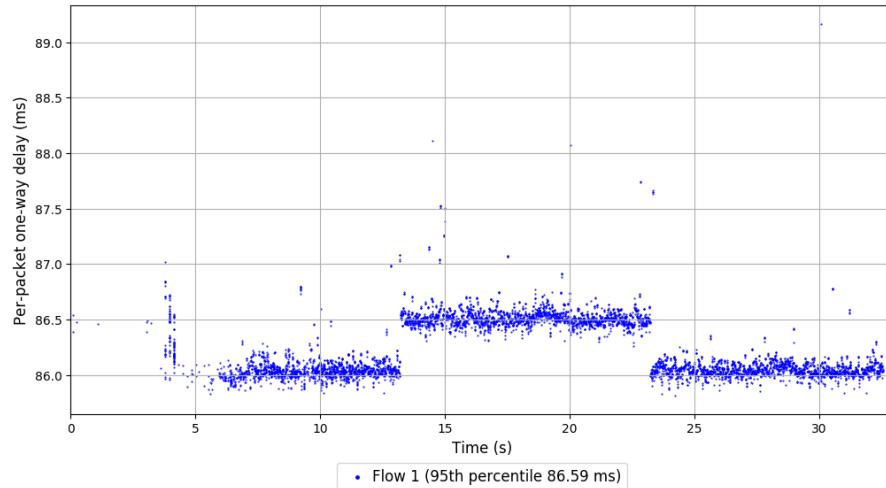
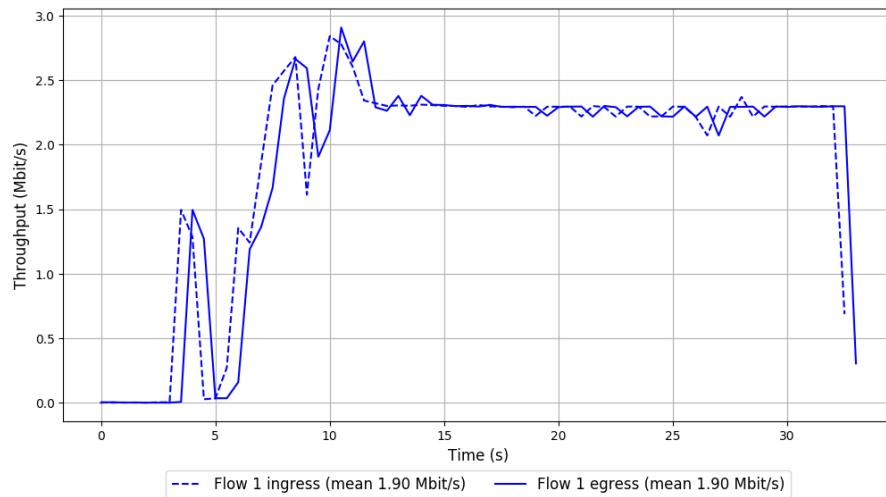


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-05 16:39:20
End at: 2018-06-05 16:39:50
Local clock offset: 0.051 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-06-05 18:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.591 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.591 ms
Loss rate: 0.62%
```

Run 7: Report of WebRTC media — Data Link

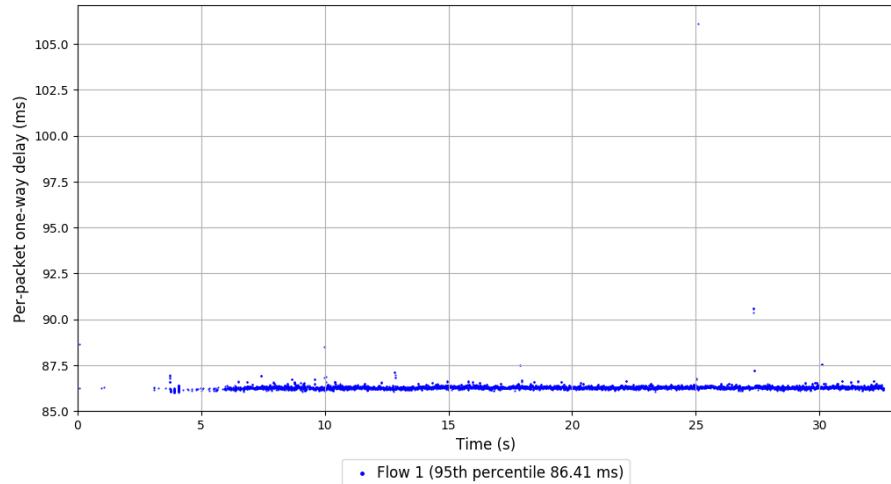
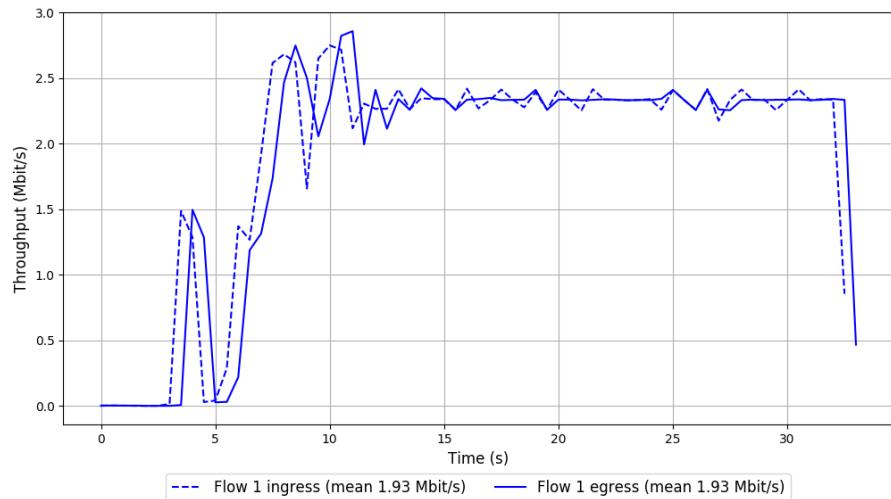


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-05 16:59:22
End at: 2018-06-05 16:59:52
Local clock offset: 0.179 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-06-05 18:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.412 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.412 ms
Loss rate: 0.68%
```

Run 8: Report of WebRTC media — Data Link

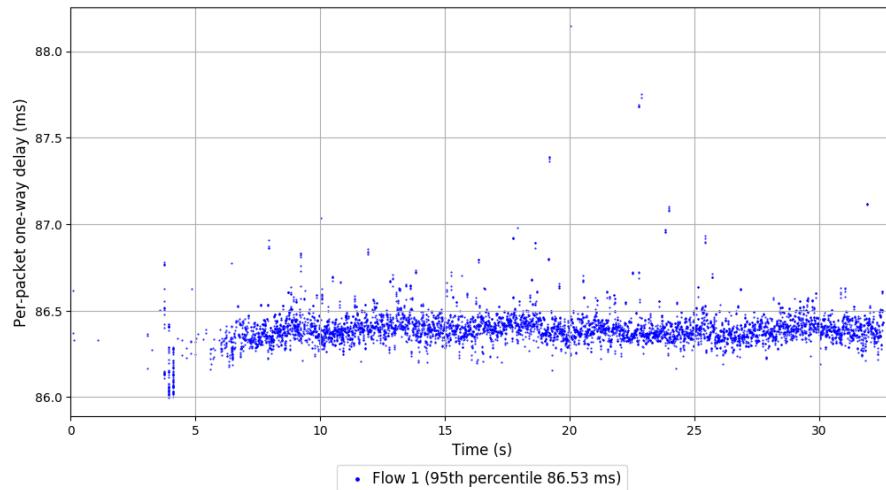
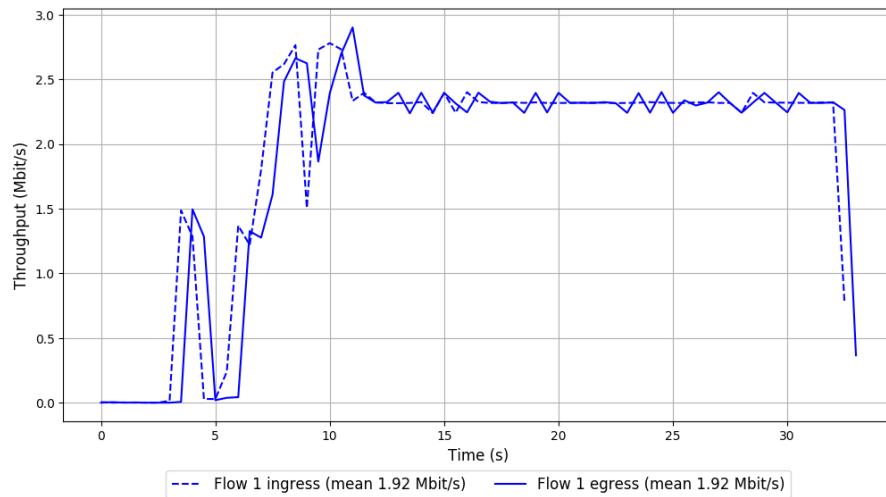


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-05 17:19:45
End at: 2018-06-05 17:20:15
Local clock offset: -0.009 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-05 18:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 0.67%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-06-05 17:39:57
End at: 2018-06-05 17:40:27
Local clock offset: 0.215 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2018-06-05 18:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.62%
```

Run 10: Report of WebRTC media — Data Link

