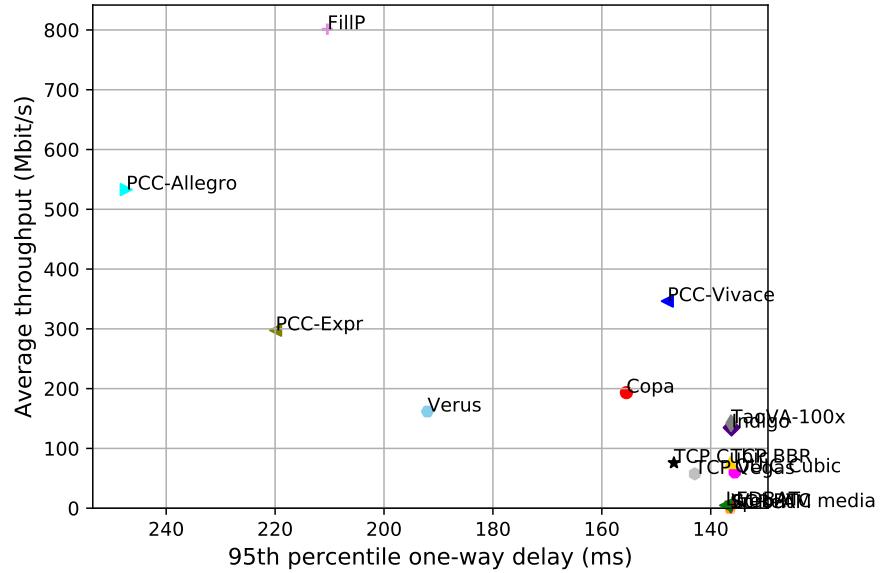


Pantheon Report

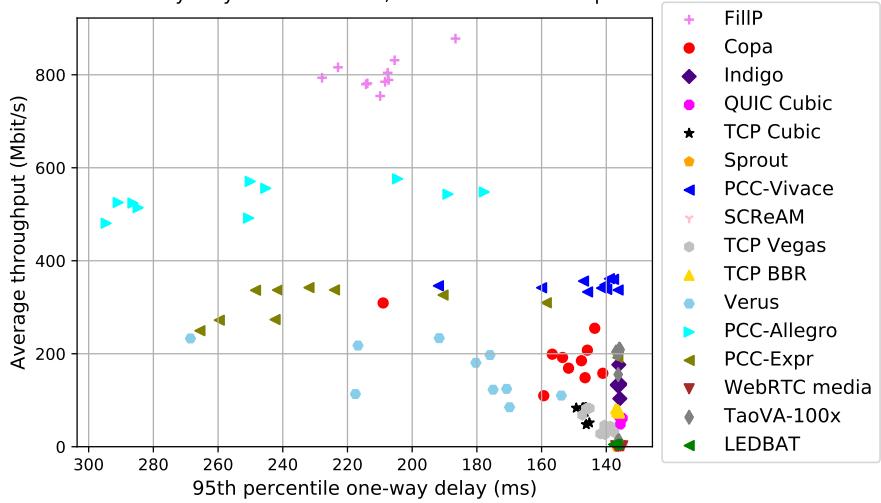
Generated at 2018-06-06 06:11:28 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

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

test from GCE Sydney to GCE London, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



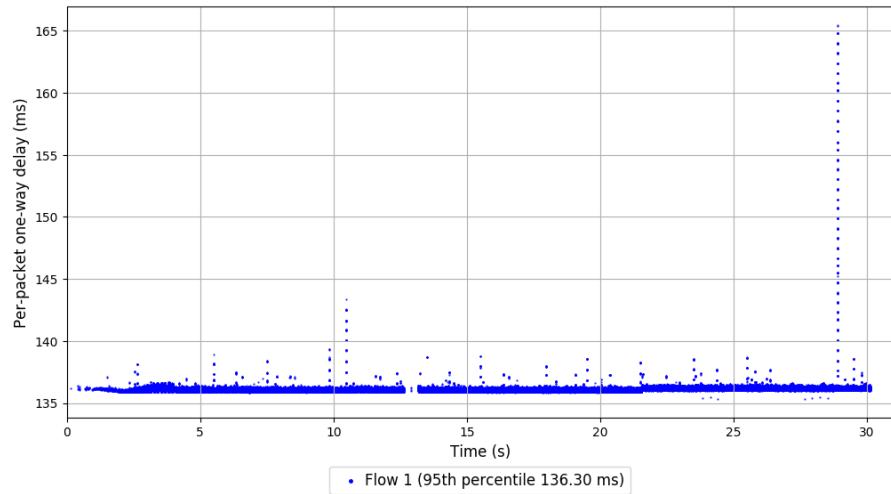
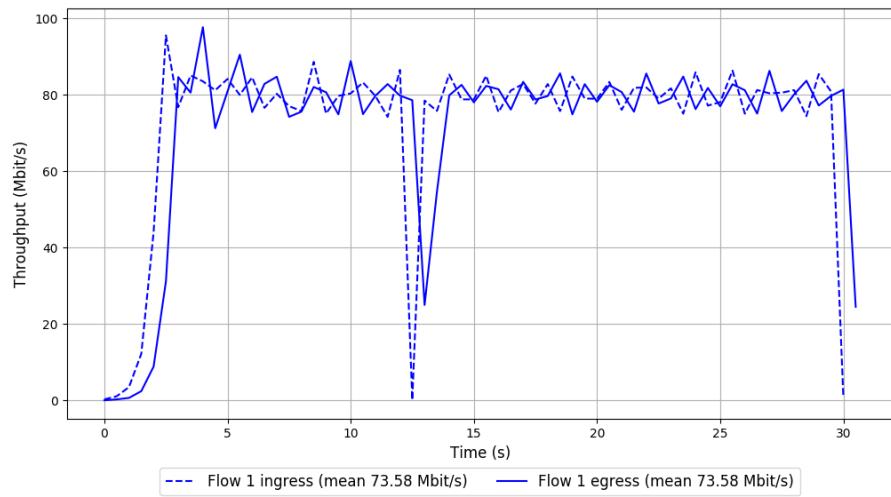
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	76.26	136.37	0.00
Copa	10	193.28	155.49	0.03
TCP Cubic	10	75.81	146.76	0.02
FillP	10	801.25	210.41	3.29
Indigo	10	134.75	136.18	0.00
LEDBAT	10	4.74	137.27	0.00
PCC-Allegro	10	532.99	247.34	2.71
PCC-Expr	10	297.61	219.91	1.63
QUIC Cubic	5	60.13	135.58	0.00
SCReAM	10	0.22	136.02	0.00
Sprout	10	0.16	136.43	0.00
TaoVA-100x	10	142.08	136.27	0.00
TCP Vegas	10	57.34	142.93	0.00
Verus	10	161.73	192.03	0.48
PCC-Vivace	10	346.33	147.97	0.06
WebRTC media	10	1.84	136.29	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-06 01:16:50
End at: 2018-06-06 01:17:20
Local clock offset: -0.136 ms
Remote clock offset: -0.403 ms

# Below is generated by plot.py at 2018-06-06 04:58:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.58 Mbit/s
95th percentile per-packet one-way delay: 136.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.58 Mbit/s
95th percentile per-packet one-way delay: 136.301 ms
Loss rate: 0.00%
```

Run 1: Report of TCP BBR — Data Link

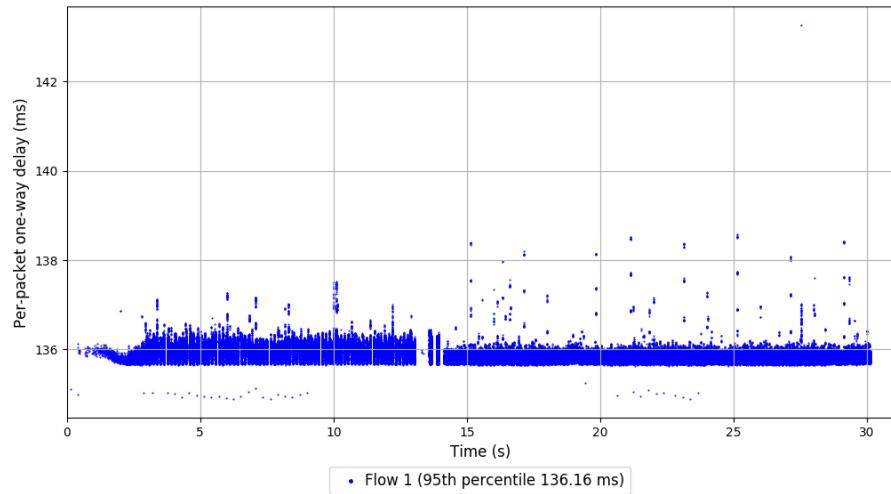
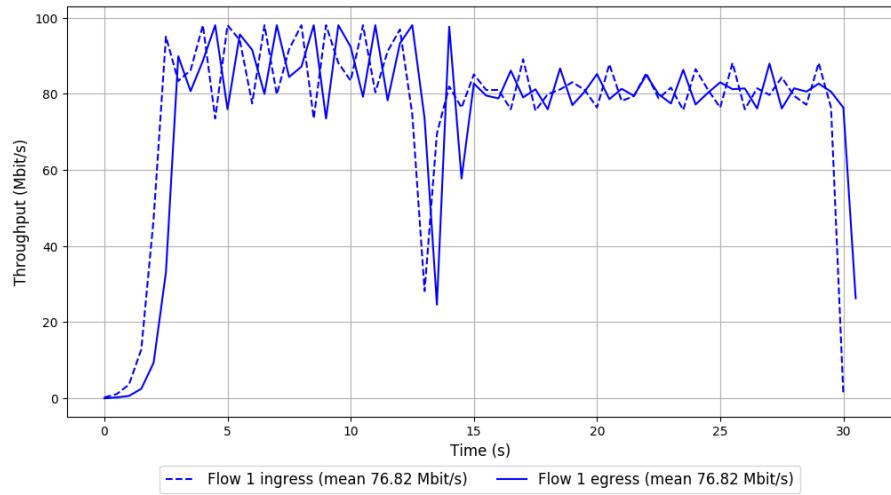


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-06 01:37:53
End at: 2018-06-06 01:38:23
Local clock offset: -0.03 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-06-06 04:58:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 136.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 136.159 ms
Loss rate: 0.00%
```

Run 2: Report of TCP BBR — Data Link

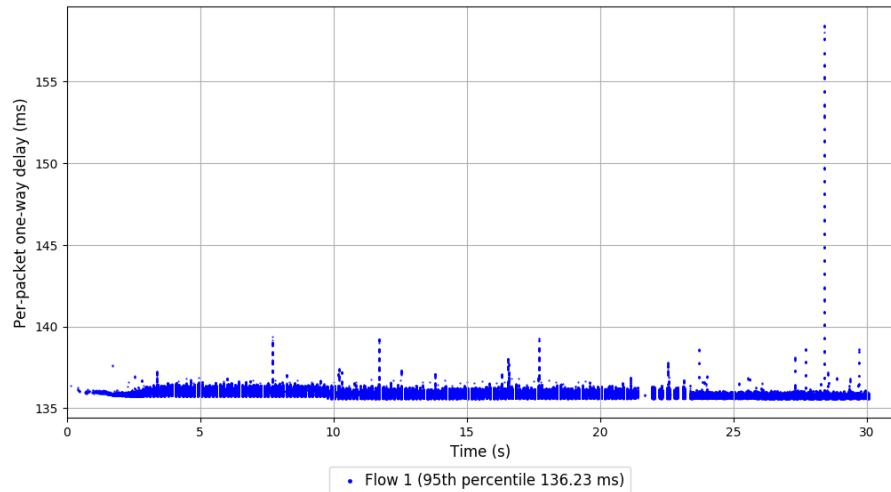
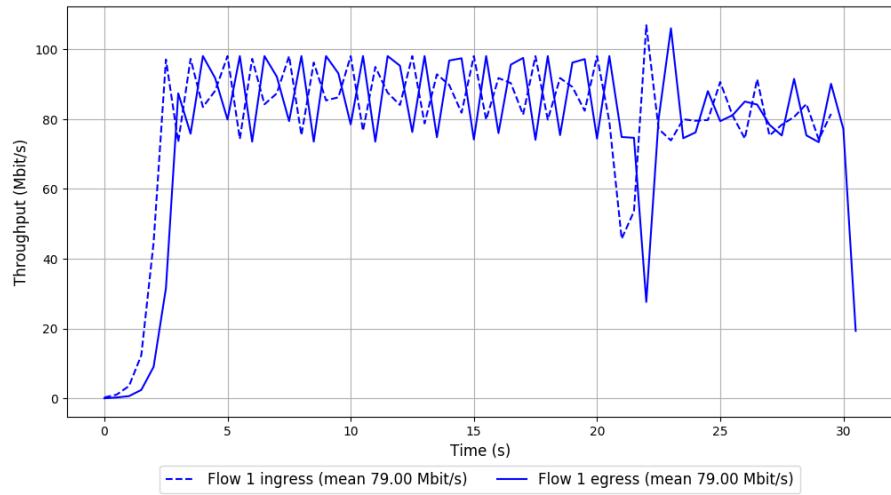


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-06 01:59:12
End at: 2018-06-06 01:59:42
Local clock offset: 0.048 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-06-06 04:58:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.00 Mbit/s
95th percentile per-packet one-way delay: 136.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.00 Mbit/s
95th percentile per-packet one-way delay: 136.234 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link

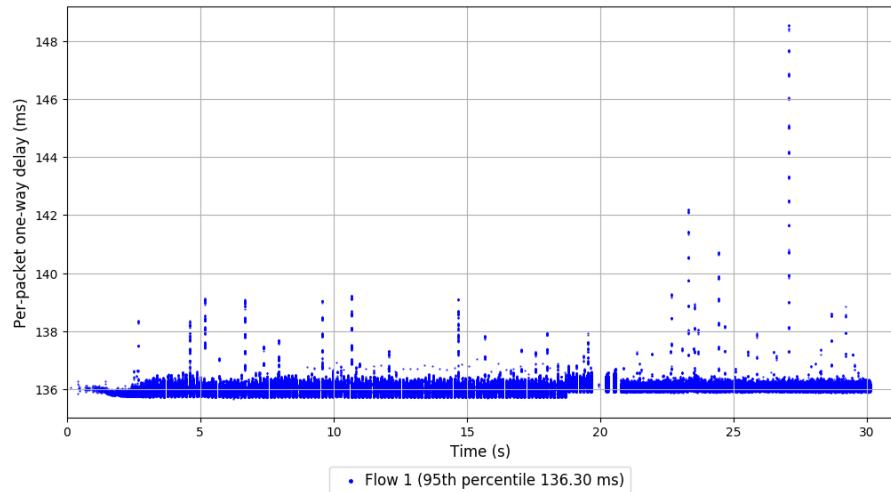
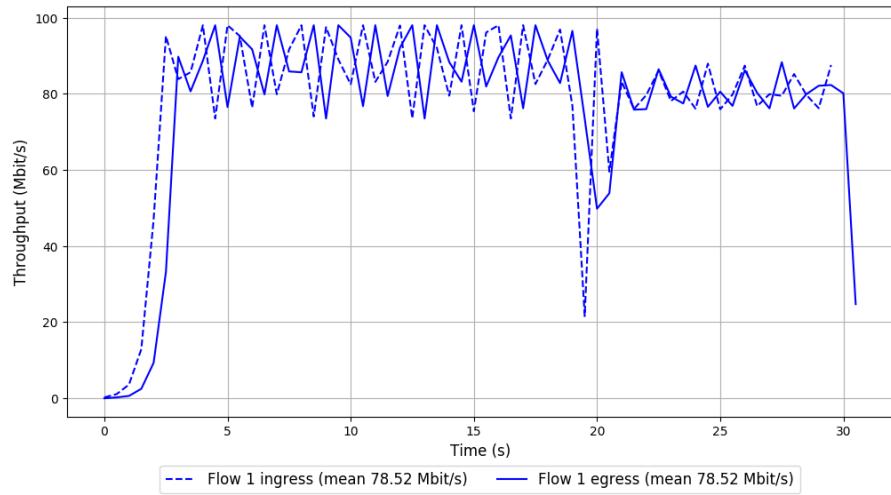


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-06 02:20:53
End at: 2018-06-06 02:21:23
Local clock offset: -0.132 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-06-06 04:58:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.52 Mbit/s
95th percentile per-packet one-way delay: 136.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.52 Mbit/s
95th percentile per-packet one-way delay: 136.304 ms
Loss rate: 0.00%
```

Run 4: Report of TCP BBR — Data Link

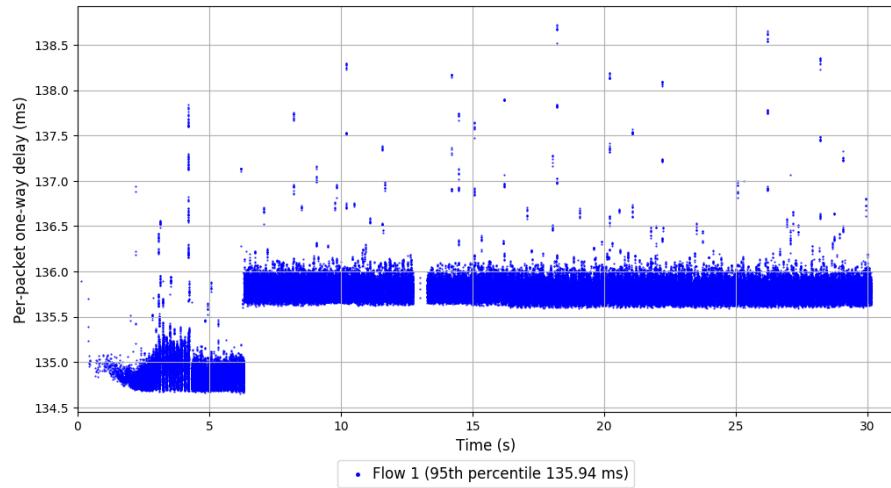
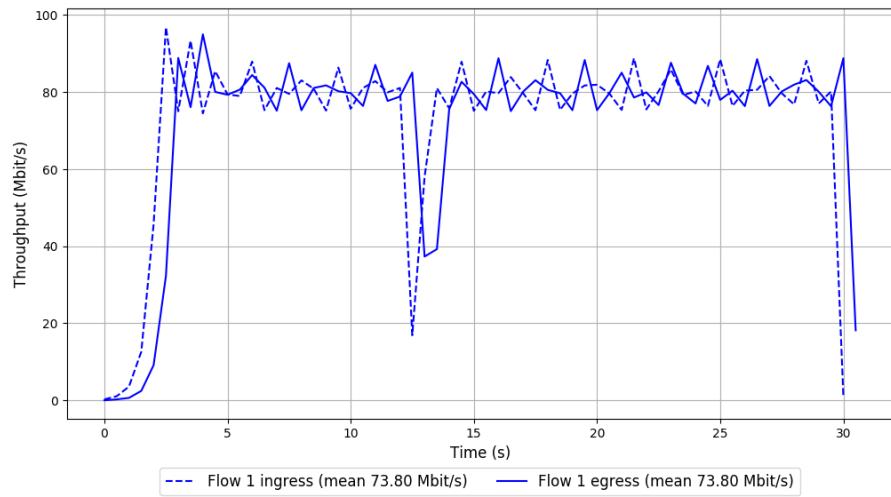


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-06 02:42:26
End at: 2018-06-06 02:42:56
Local clock offset: -0.05 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-06 04:58:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.80 Mbit/s
95th percentile per-packet one-way delay: 135.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.80 Mbit/s
95th percentile per-packet one-way delay: 135.940 ms
Loss rate: 0.00%
```

Run 5: Report of TCP BBR — Data Link

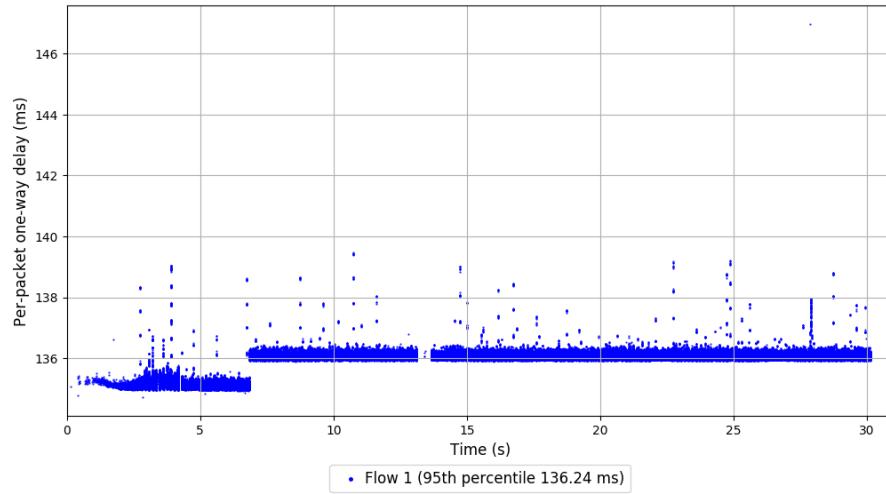
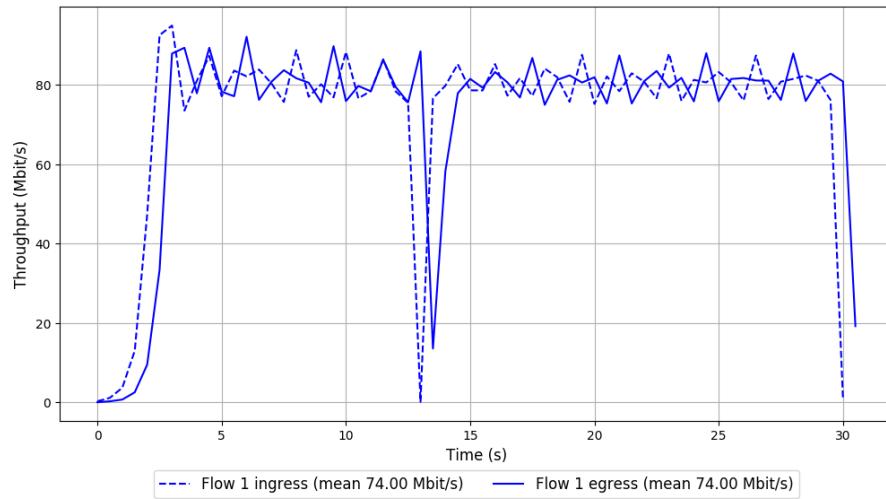


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-06 03:04:05
End at: 2018-06-06 03:04:35
Local clock offset: -0.342 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-06-06 04:58:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.00 Mbit/s
95th percentile per-packet one-way delay: 136.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.00 Mbit/s
95th percentile per-packet one-way delay: 136.237 ms
Loss rate: 0.00%
```

Run 6: Report of TCP BBR — Data Link

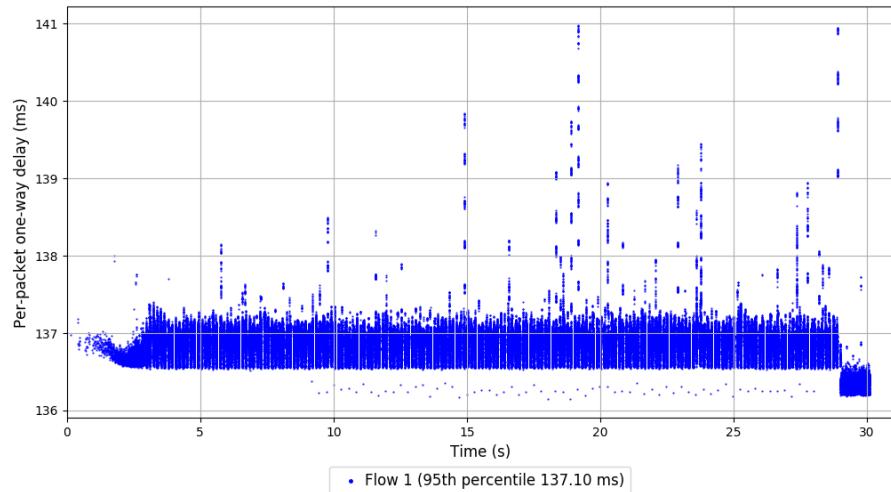
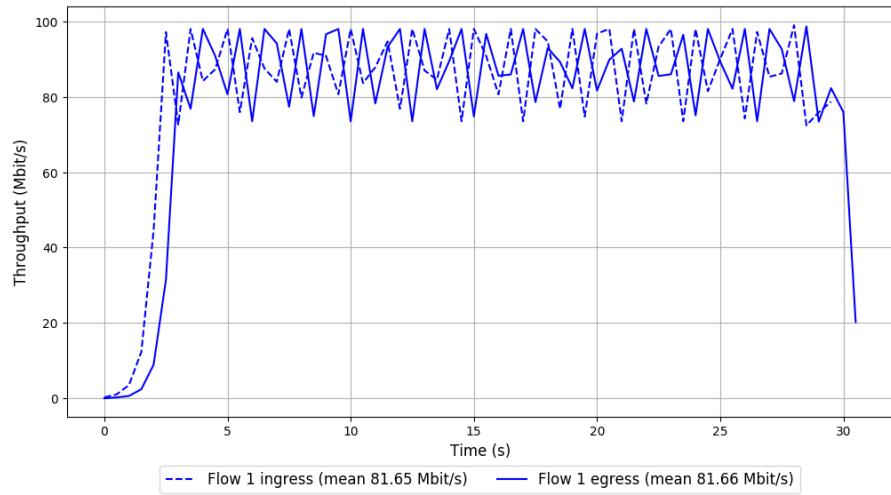


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-06 03:25:23
End at: 2018-06-06 03:25:53
Local clock offset: 0.05 ms
Remote clock offset: 0.31 ms

# Below is generated by plot.py at 2018-06-06 04:58:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.66 Mbit/s
95th percentile per-packet one-way delay: 137.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.66 Mbit/s
95th percentile per-packet one-way delay: 137.099 ms
Loss rate: 0.00%
```

Run 7: Report of TCP BBR — Data Link

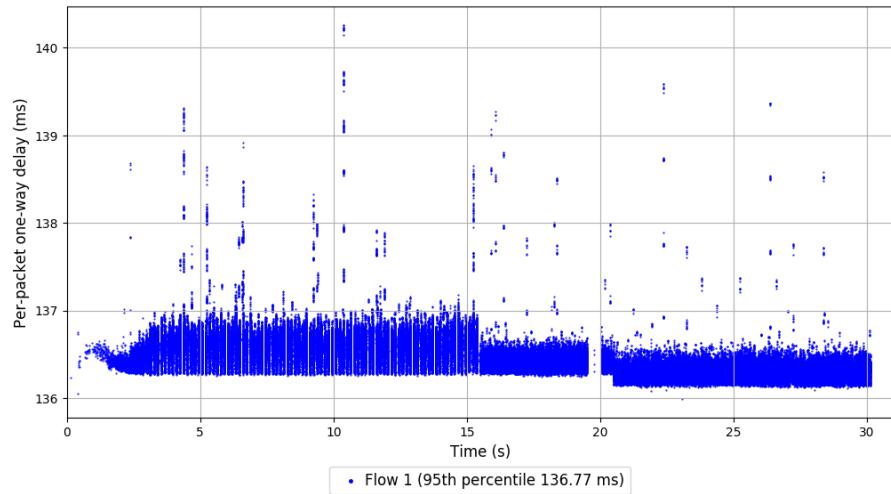
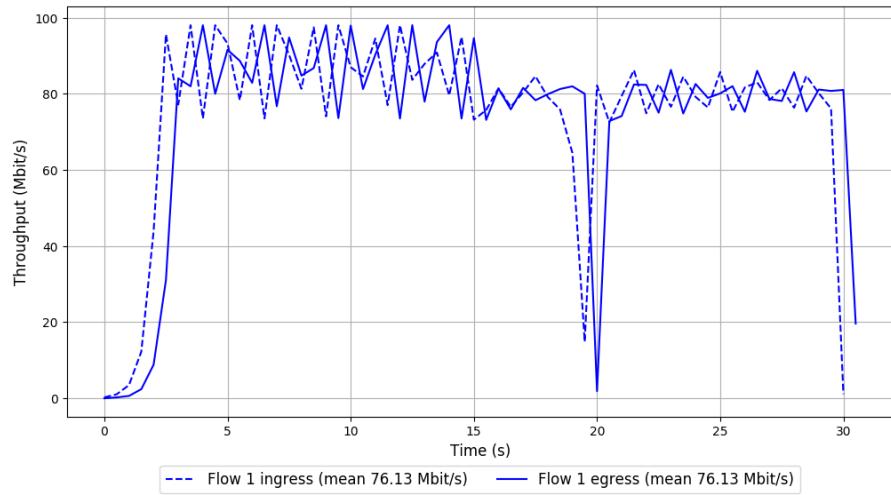


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-06 03:46:31
End at: 2018-06-06 03:47:01
Local clock offset: 0.086 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-06 04:58:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.13 Mbit/s
95th percentile per-packet one-way delay: 136.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.13 Mbit/s
95th percentile per-packet one-way delay: 136.770 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link

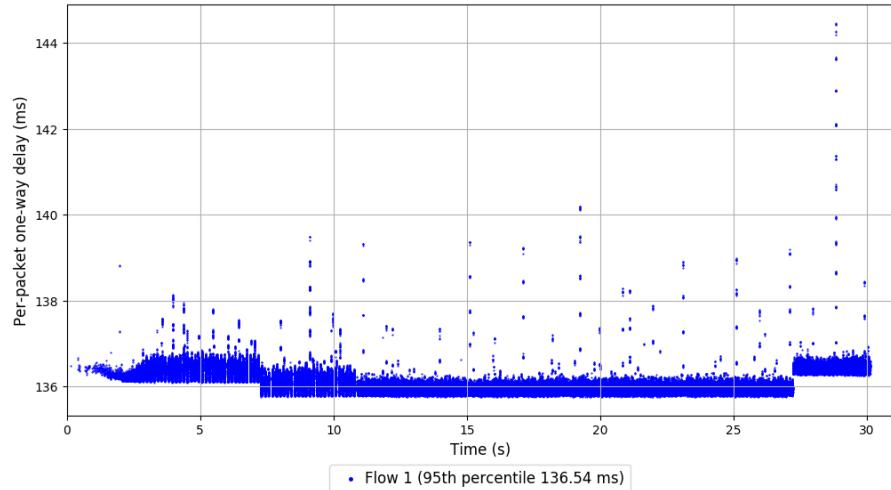
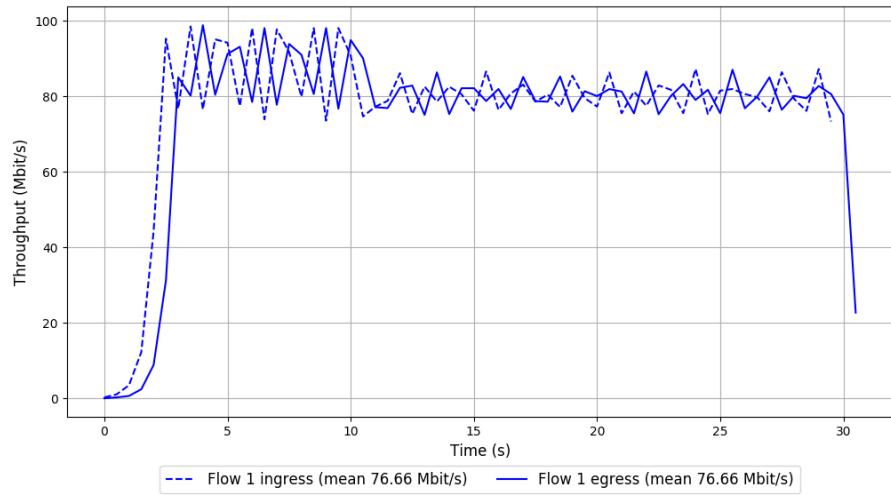


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-06 04:07:45
End at: 2018-06-06 04:08:15
Local clock offset: -0.319 ms
Remote clock offset: -0.503 ms

# Below is generated by plot.py at 2018-06-06 04:59:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.66 Mbit/s
95th percentile per-packet one-way delay: 136.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.66 Mbit/s
95th percentile per-packet one-way delay: 136.541 ms
Loss rate: 0.00%
```

Run 9: Report of TCP BBR — Data Link

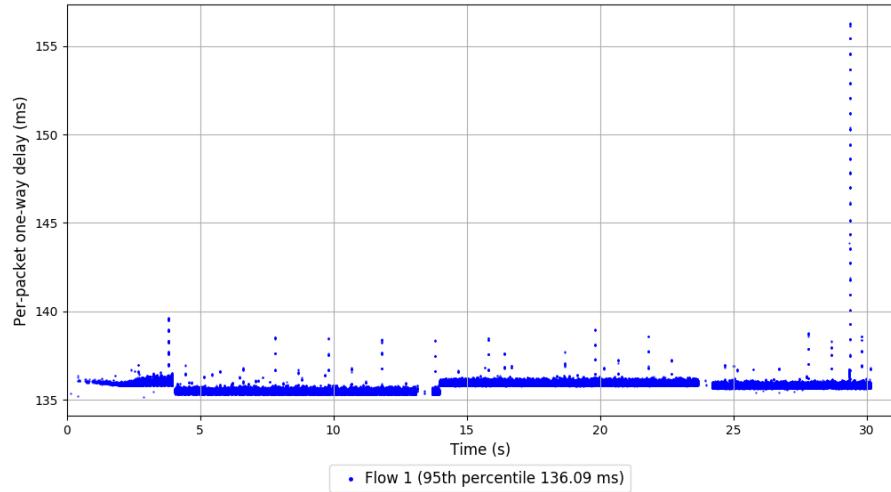
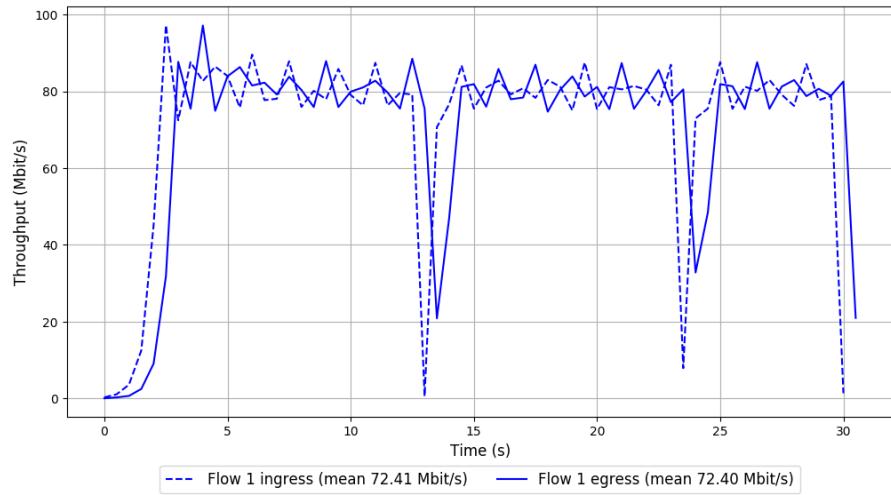


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-06 04:29:18
End at: 2018-06-06 04:29:48
Local clock offset: 0.183 ms
Remote clock offset: -0.391 ms

# Below is generated by plot.py at 2018-06-06 04:59:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.40 Mbit/s
95th percentile per-packet one-way delay: 136.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.40 Mbit/s
95th percentile per-packet one-way delay: 136.086 ms
Loss rate: 0.00%
```

Run 10: Report of TCP BBR — Data Link

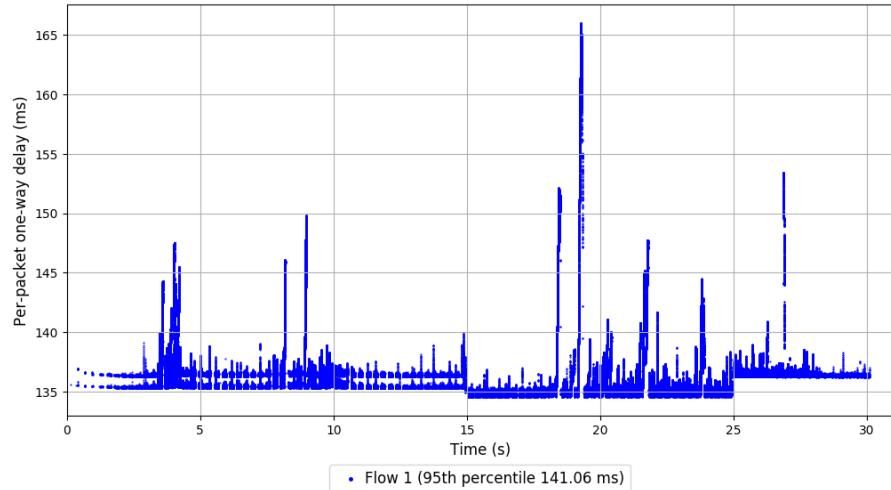
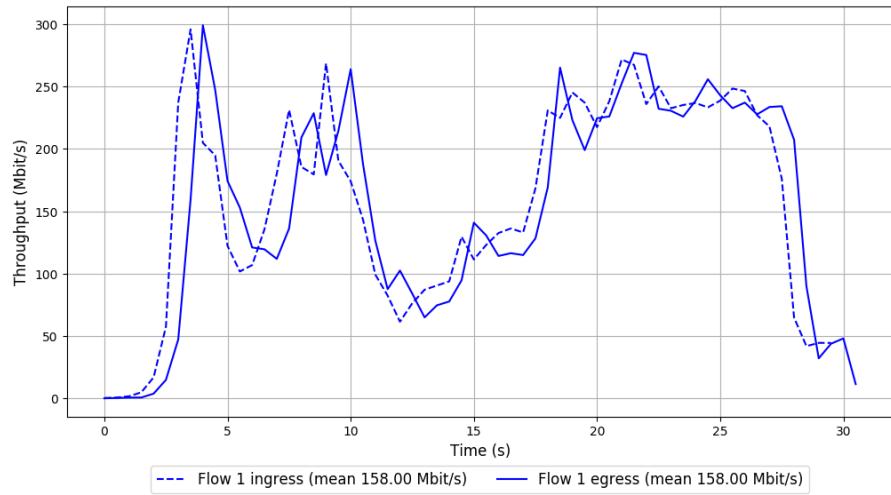


Run 1: Statistics of Copa

```
Start at: 2018-06-06 01:25:47
End at: 2018-06-06 01:26:17
Local clock offset: -0.145 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-06-06 05:03:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.00 Mbit/s
95th percentile per-packet one-way delay: 141.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.00 Mbit/s
95th percentile per-packet one-way delay: 141.065 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

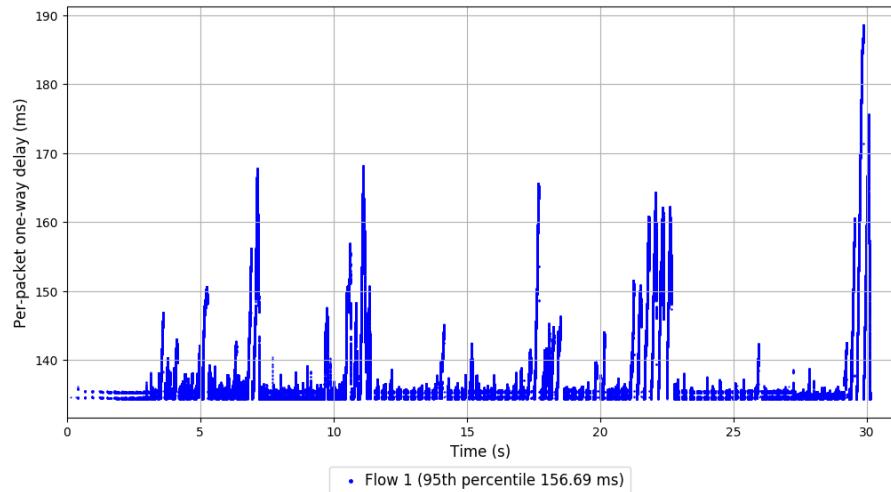
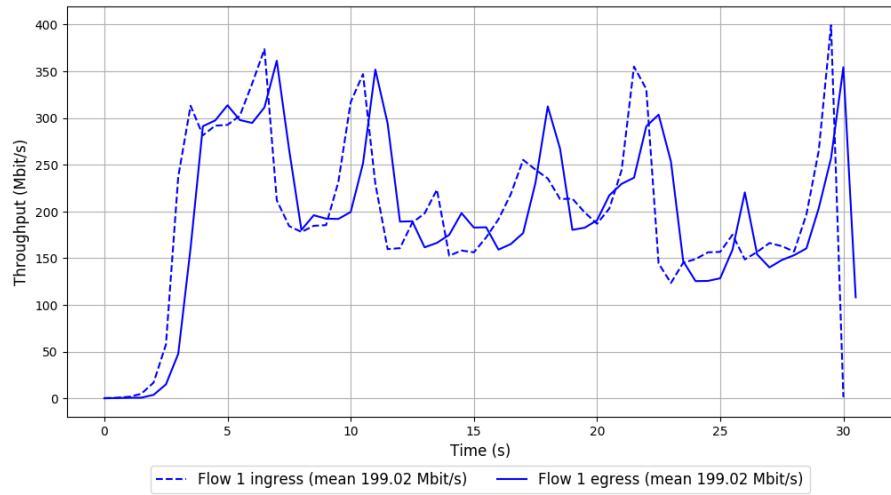


Run 2: Statistics of Copa

```
Start at: 2018-06-06 01:46:55
End at: 2018-06-06 01:47:25
Local clock offset: 0.455 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-06-06 05:04:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.02 Mbit/s
95th percentile per-packet one-way delay: 156.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.02 Mbit/s
95th percentile per-packet one-way delay: 156.694 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

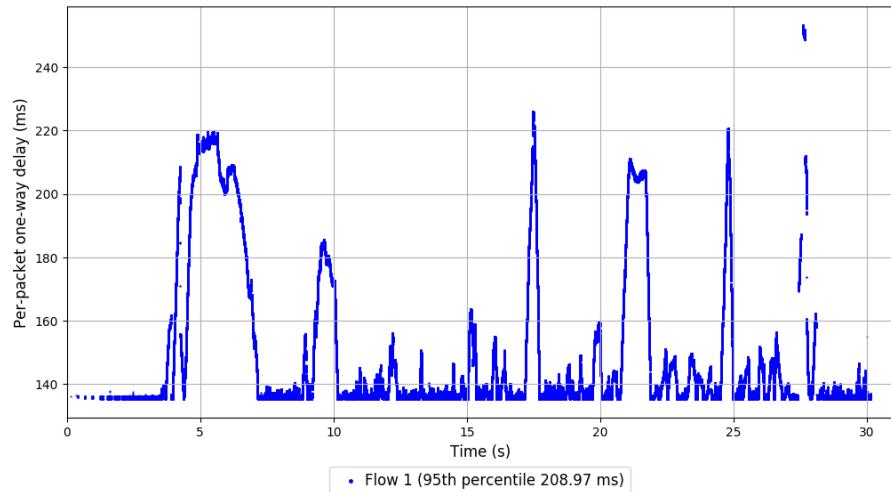
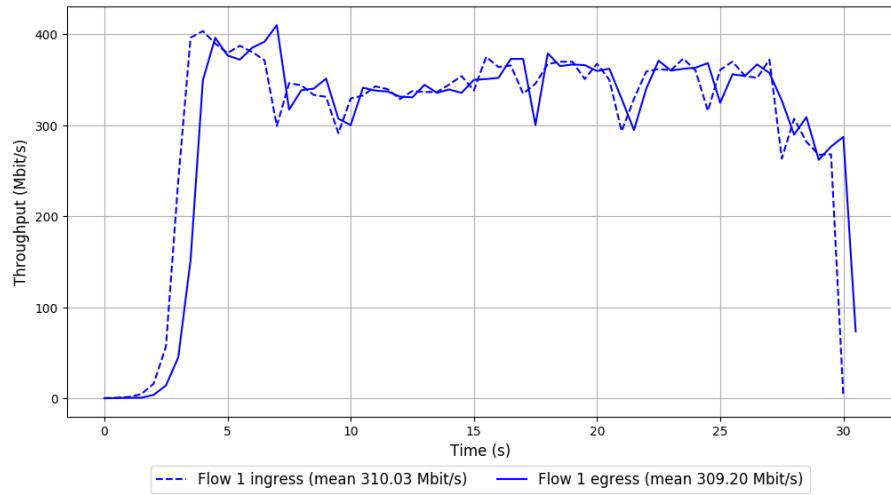


Run 3: Statistics of Copa

```
Start at: 2018-06-06 02:08:18
End at: 2018-06-06 02:08:48
Local clock offset: 0.246 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-06-06 05:07:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.20 Mbit/s
95th percentile per-packet one-way delay: 208.969 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 309.20 Mbit/s
95th percentile per-packet one-way delay: 208.969 ms
Loss rate: 0.27%
```

Run 3: Report of Copa — Data Link

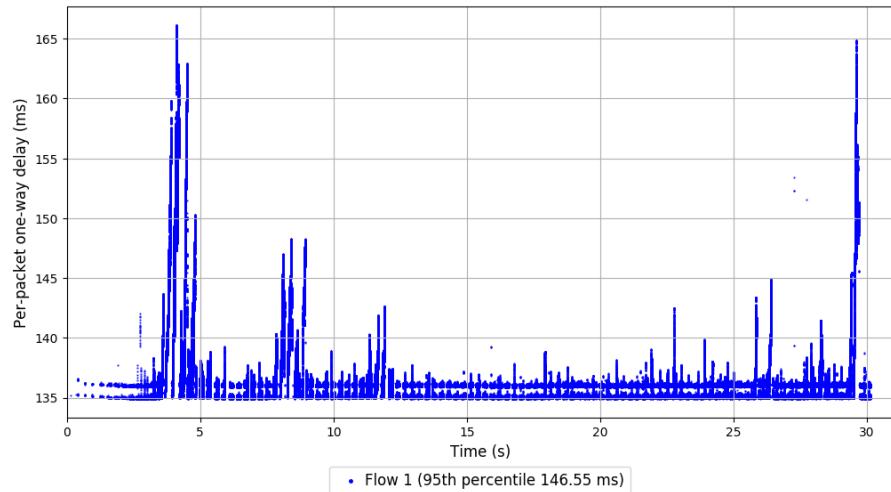
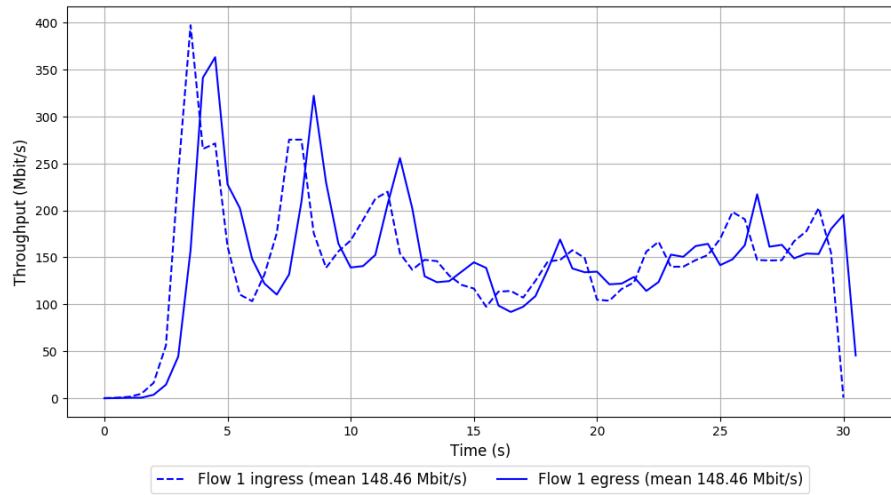


Run 4: Statistics of Copa

```
Start at: 2018-06-06 02:30:04
End at: 2018-06-06 02:30:34
Local clock offset: 0.014 ms
Remote clock offset: 0.316 ms

# Below is generated by plot.py at 2018-06-06 05:07:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.46 Mbit/s
95th percentile per-packet one-way delay: 146.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.46 Mbit/s
95th percentile per-packet one-way delay: 146.553 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

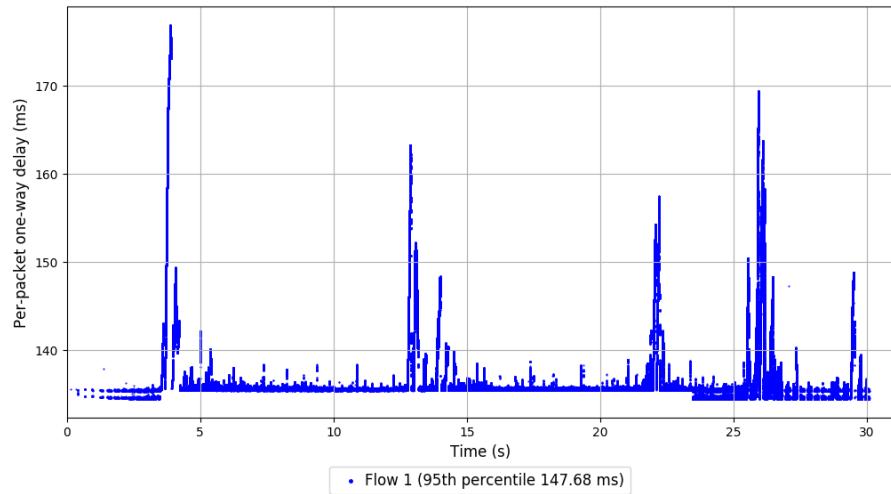
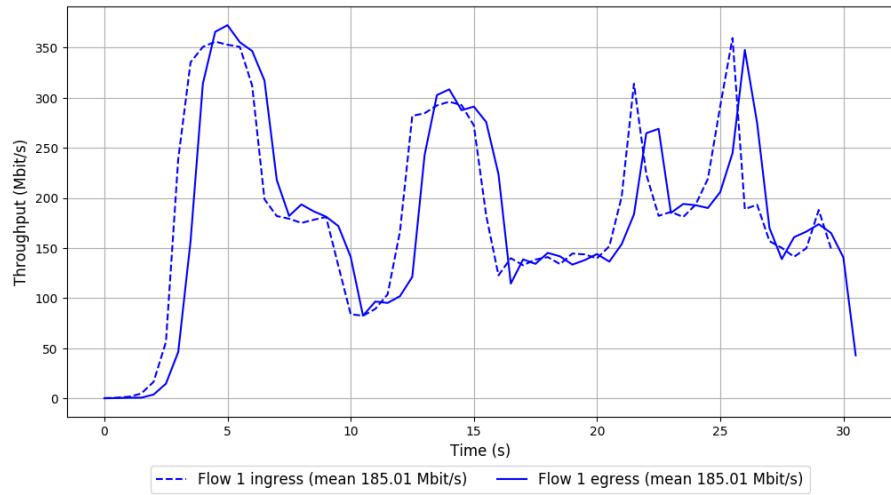


Run 5: Statistics of Copa

```
Start at: 2018-06-06 02:51:38
End at: 2018-06-06 02:52:08
Local clock offset: 0.133 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-06-06 05:07:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.01 Mbit/s
95th percentile per-packet one-way delay: 147.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.01 Mbit/s
95th percentile per-packet one-way delay: 147.676 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

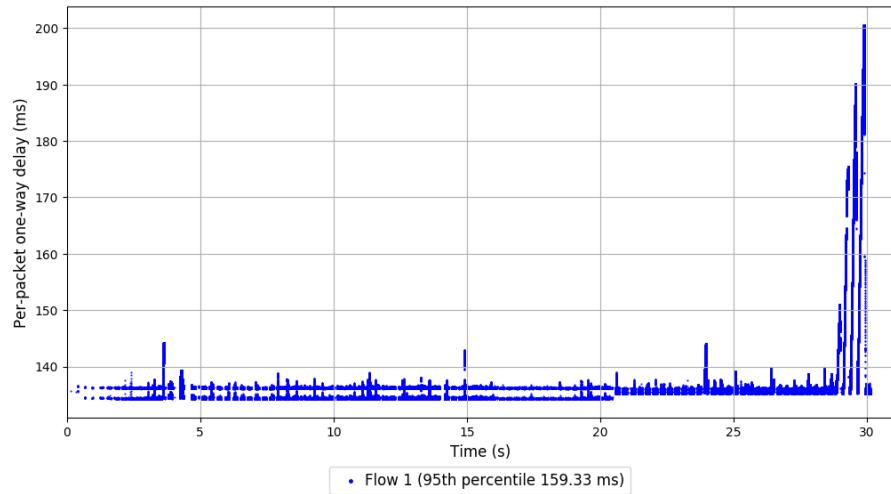
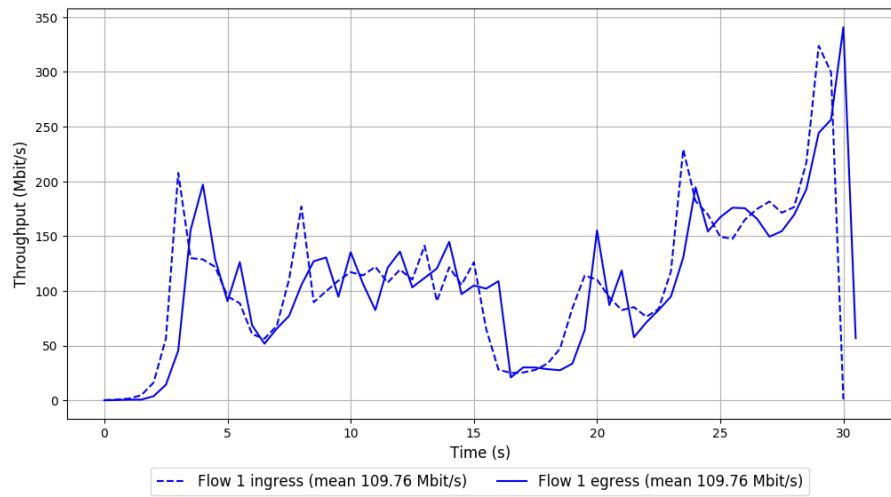


Run 6: Statistics of Copa

```
Start at: 2018-06-06 03:13:11
End at: 2018-06-06 03:13:41
Local clock offset: 0.065 ms
Remote clock offset: -0.452 ms

# Below is generated by plot.py at 2018-06-06 05:07:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.76 Mbit/s
95th percentile per-packet one-way delay: 159.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.76 Mbit/s
95th percentile per-packet one-way delay: 159.329 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

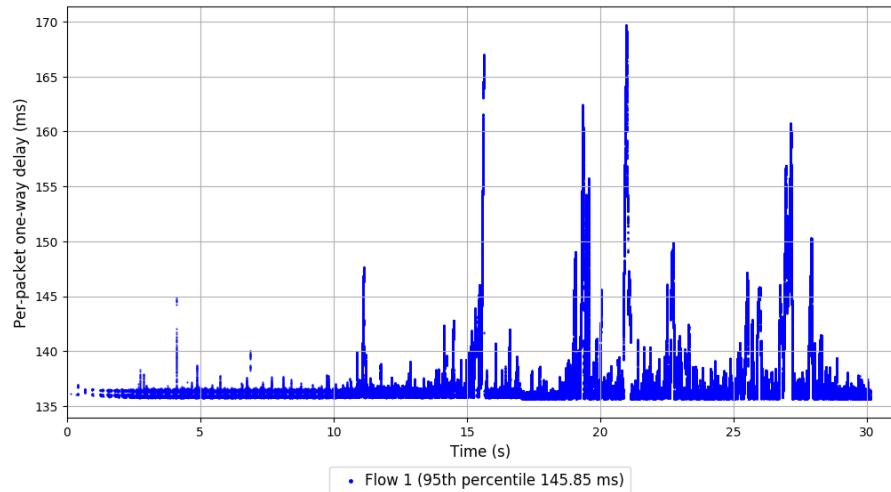
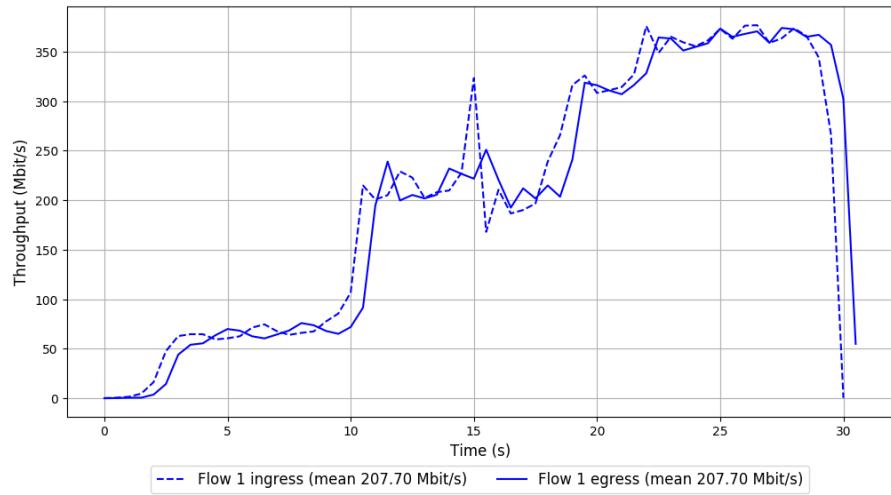


Run 7: Statistics of Copa

```
Start at: 2018-06-06 03:34:25
End at: 2018-06-06 03:34:55
Local clock offset: 0.098 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-06-06 05:07:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.70 Mbit/s
95th percentile per-packet one-way delay: 145.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.70 Mbit/s
95th percentile per-packet one-way delay: 145.846 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

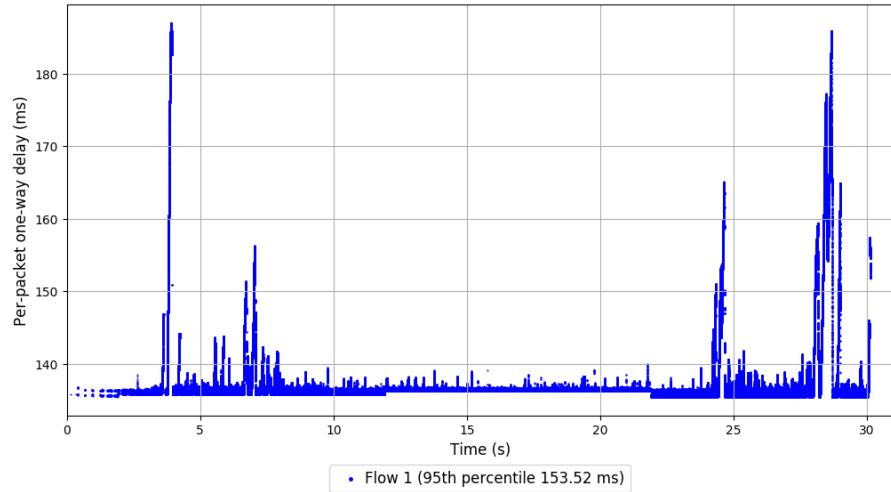
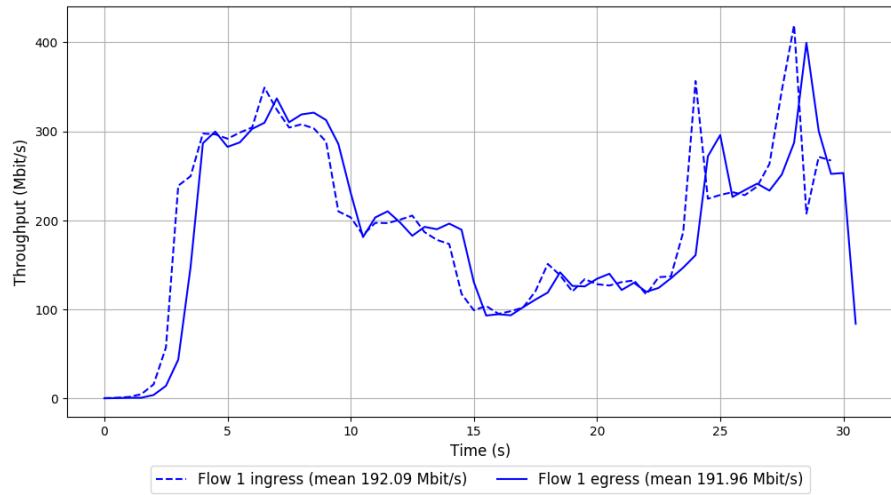


Run 8: Statistics of Copa

```
Start at: 2018-06-06 03:55:40
End at: 2018-06-06 03:56:10
Local clock offset: 0.013 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-06-06 05:07:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.96 Mbit/s
95th percentile per-packet one-way delay: 153.520 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 191.96 Mbit/s
95th percentile per-packet one-way delay: 153.520 ms
Loss rate: 0.06%
```

Run 8: Report of Copa — Data Link

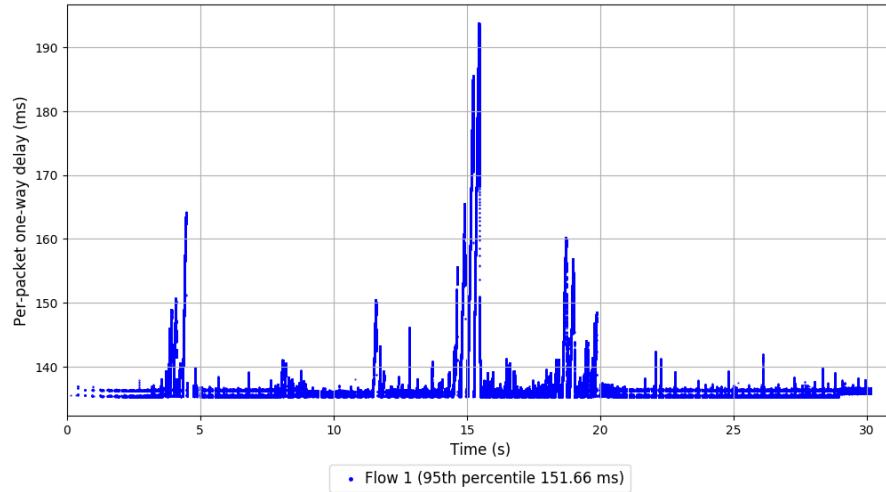
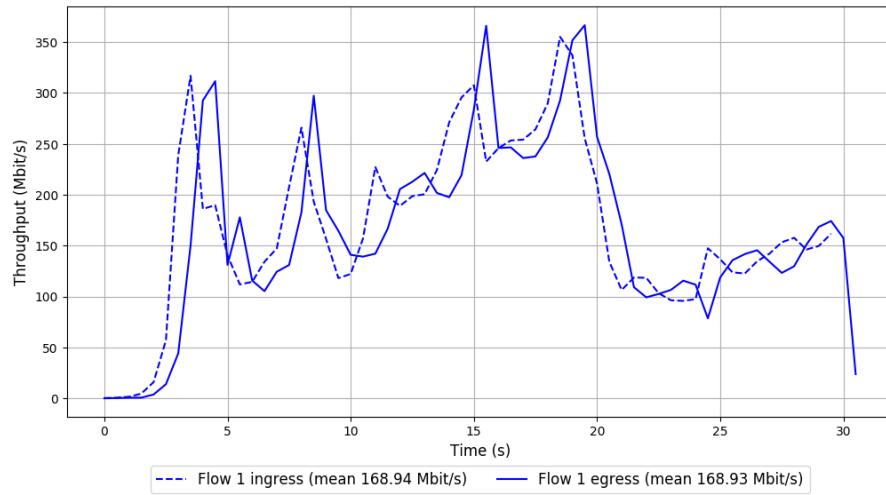


Run 9: Statistics of Copa

```
Start at: 2018-06-06 04:16:53
End at: 2018-06-06 04:17:23
Local clock offset: -0.041 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2018-06-06 05:07:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.93 Mbit/s
95th percentile per-packet one-way delay: 151.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.93 Mbit/s
95th percentile per-packet one-way delay: 151.660 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

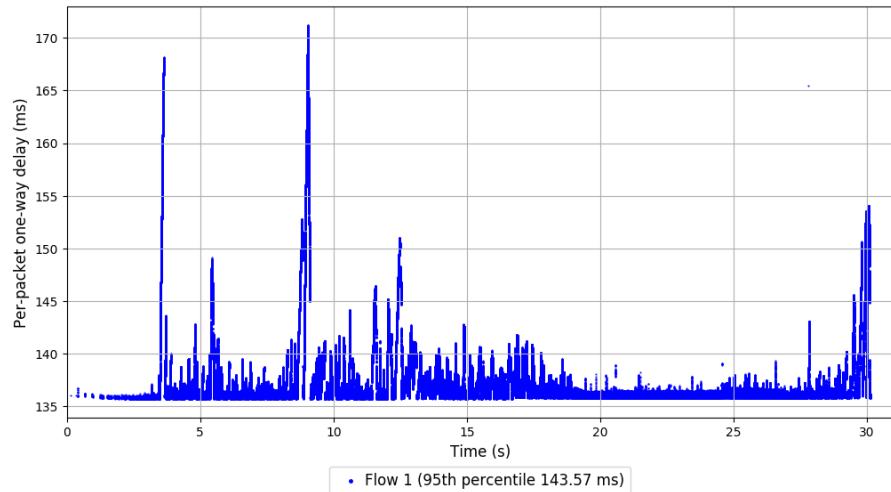
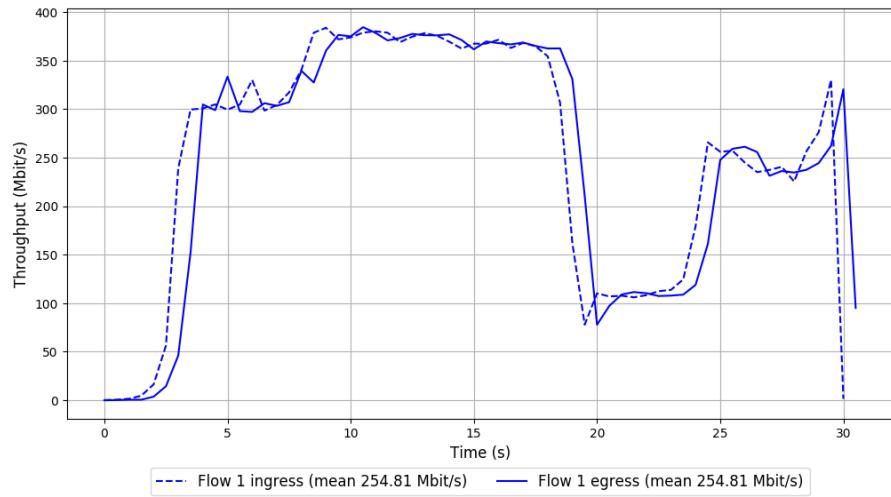


Run 10: Statistics of Copa

```
Start at: 2018-06-06 04:38:25
End at: 2018-06-06 04:38:55
Local clock offset: -0.016 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.81 Mbit/s
95th percentile per-packet one-way delay: 143.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 254.81 Mbit/s
95th percentile per-packet one-way delay: 143.572 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

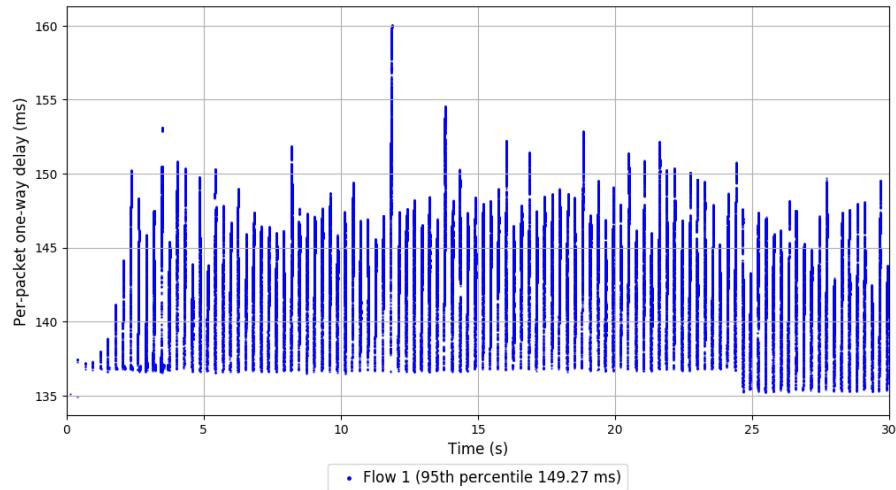
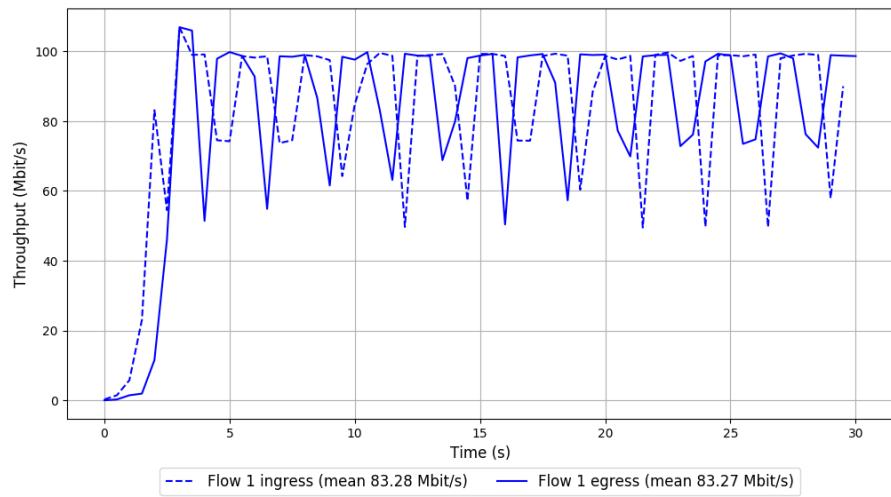


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-06 01:29:47
End at: 2018-06-06 01:30:17
Local clock offset: -0.249 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 149.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 149.269 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Cubic — Data Link

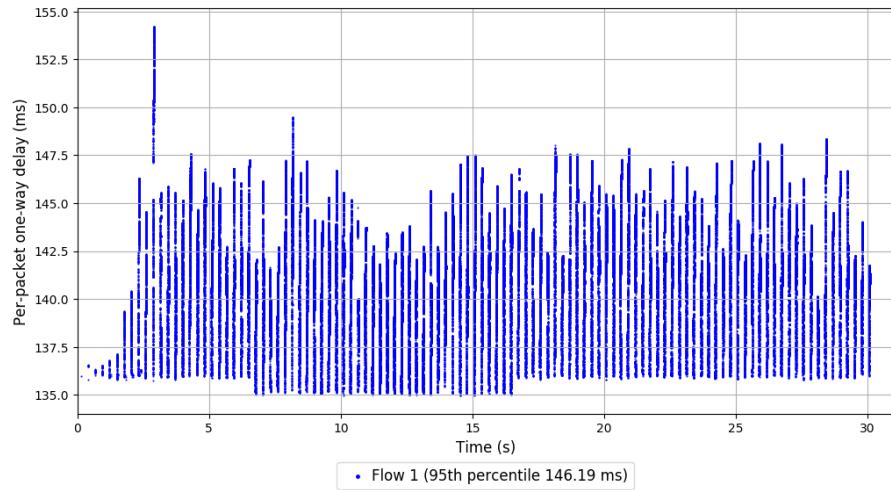
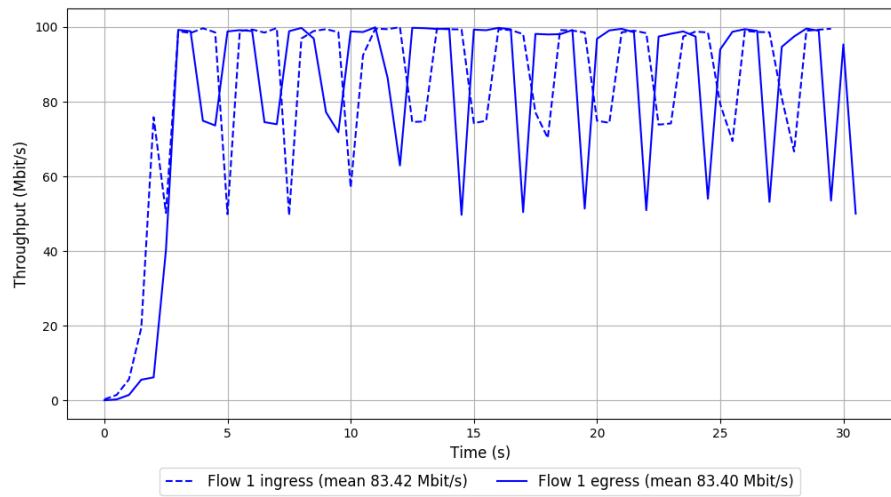


```
Run 2: Statistics of TCP Cubic
```

```
Start at: 2018-06-06 01:51:05
End at: 2018-06-06 01:51:35
Local clock offset: -0.043 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 146.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 146.191 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Cubic — Data Link

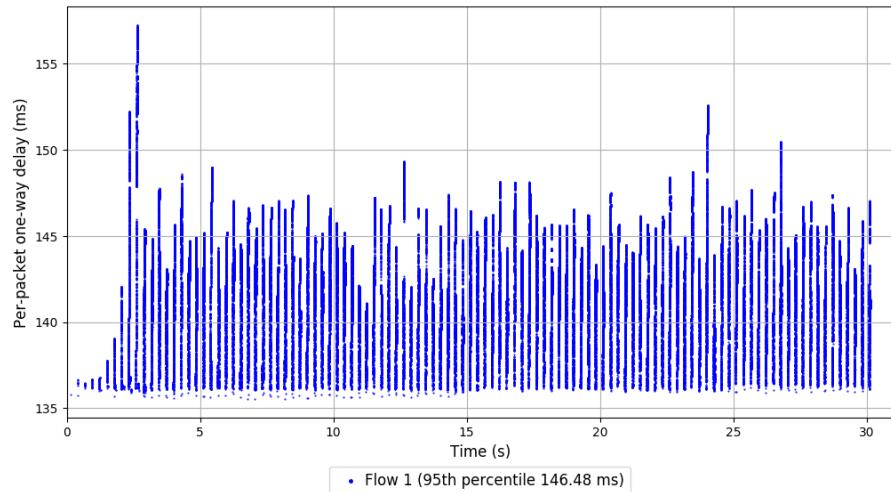
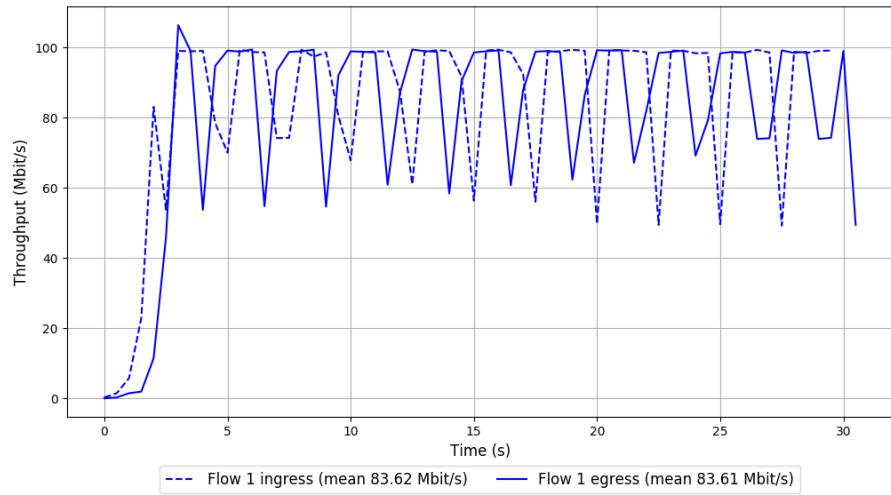


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-06 02:12:47
End at: 2018-06-06 02:13:17
Local clock offset: -0.276 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 146.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 146.484 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Cubic — Data Link

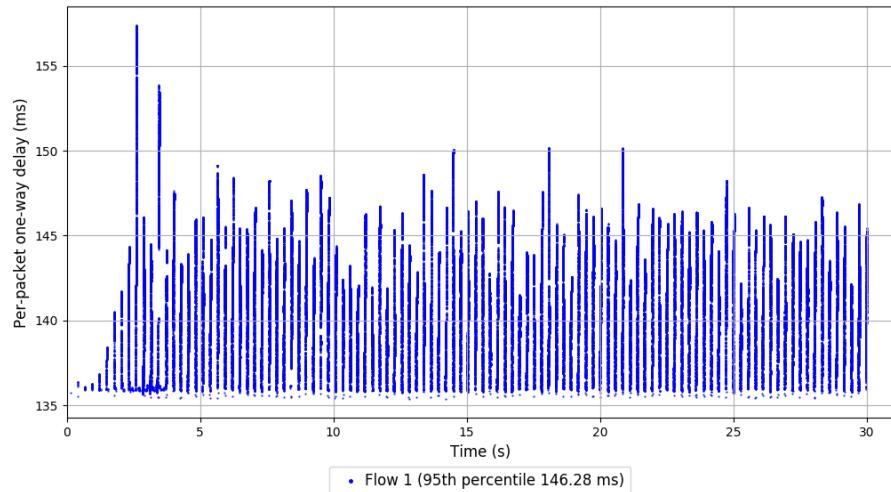
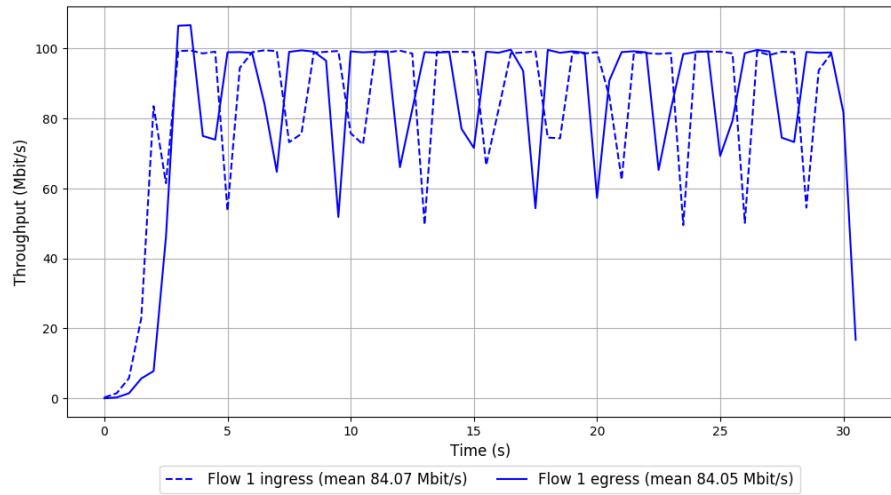


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-06 02:34:18
End at: 2018-06-06 02:34:48
Local clock offset: -0.078 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 146.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 146.275 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Cubic — Data Link

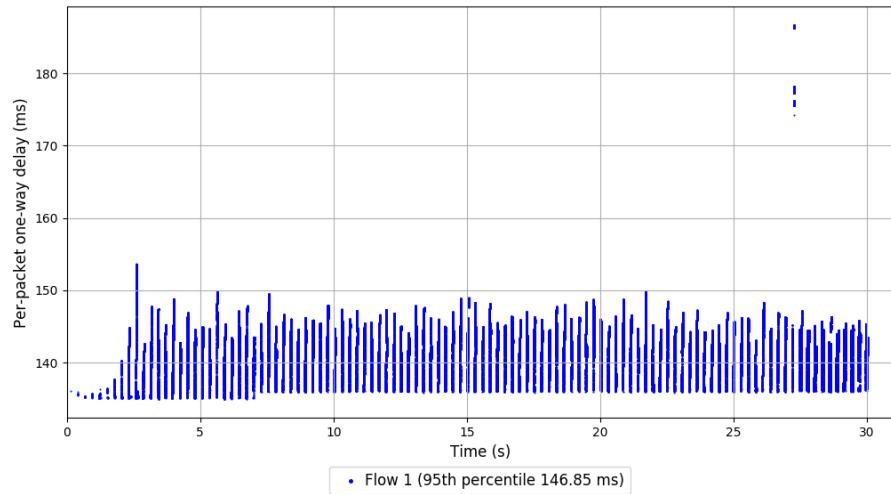
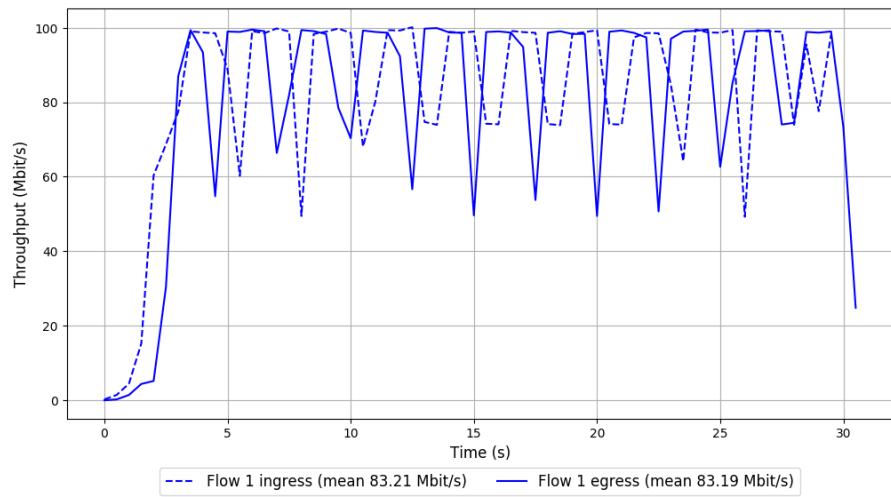


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-06 02:55:55
End at: 2018-06-06 02:56:25
Local clock offset: -0.155 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.19 Mbit/s
95th percentile per-packet one-way delay: 146.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.19 Mbit/s
95th percentile per-packet one-way delay: 146.852 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Cubic — Data Link

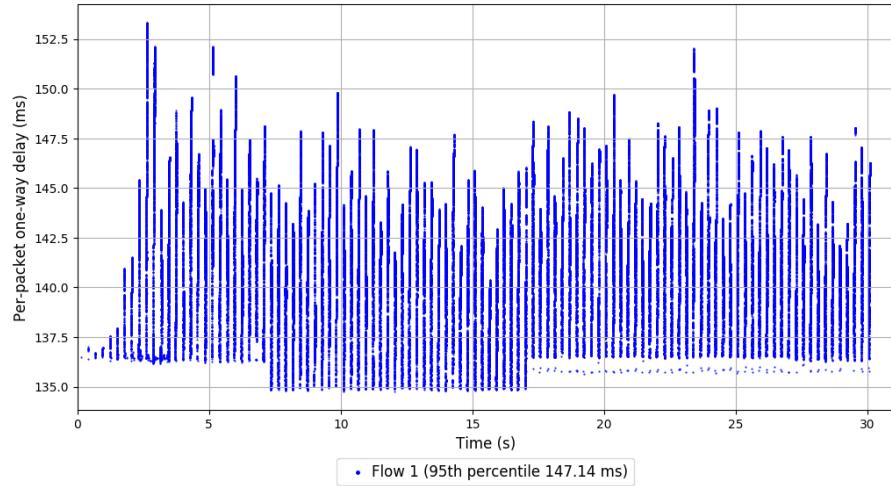
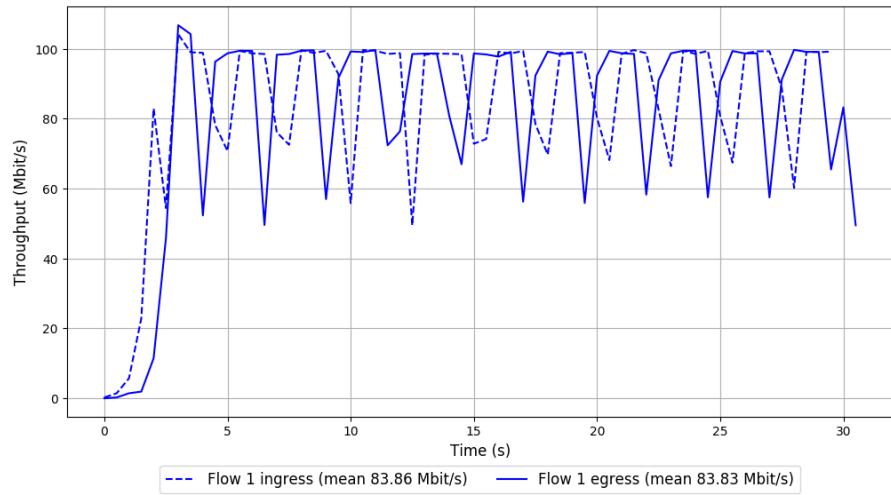


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-06 03:17:15
End at: 2018-06-06 03:17:45
Local clock offset: 0.018 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 147.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 147.137 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Cubic — Data Link

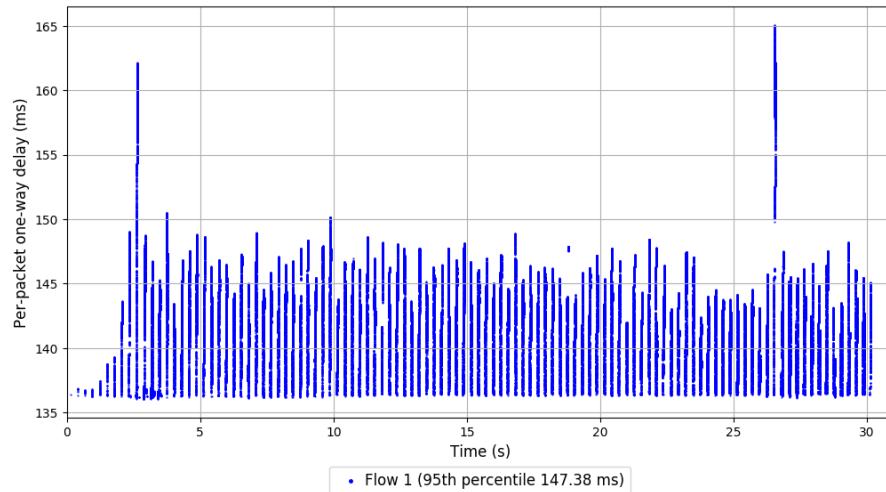
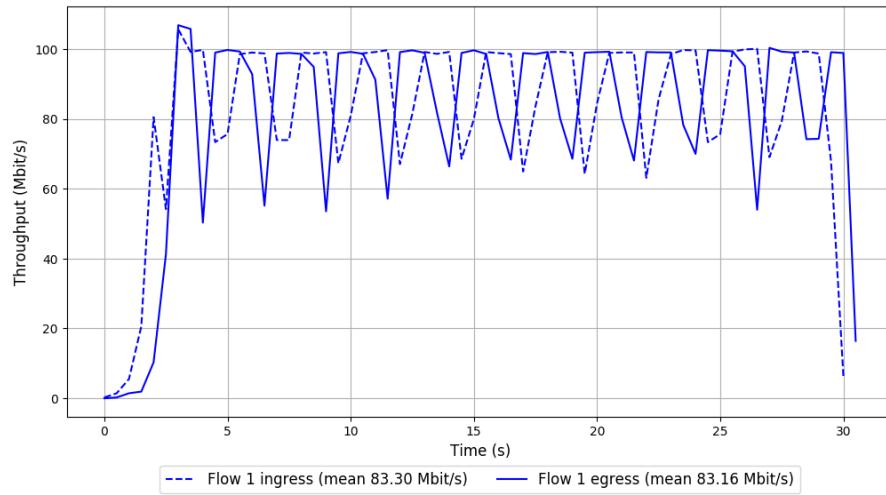


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-06 03:38:42
End at: 2018-06-06 03:39:12
Local clock offset: 0.188 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 147.385 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 147.385 ms
Loss rate: 0.17%
```

Run 7: Report of TCP Cubic — Data Link

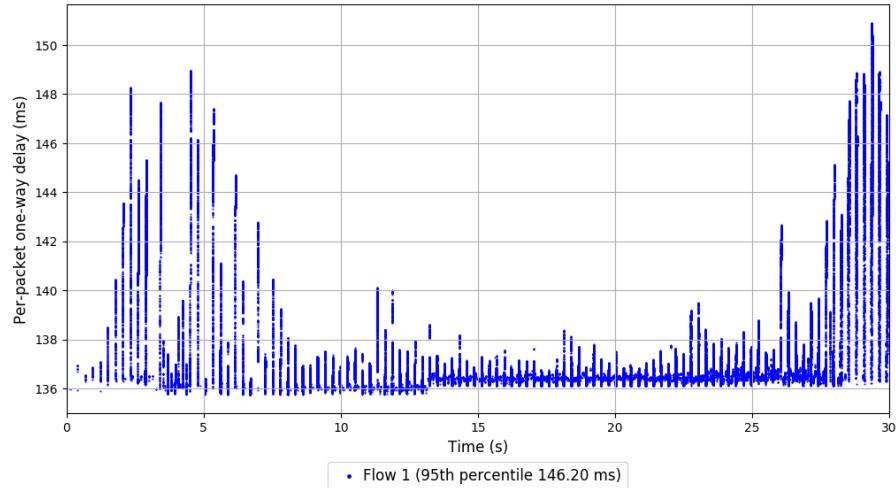
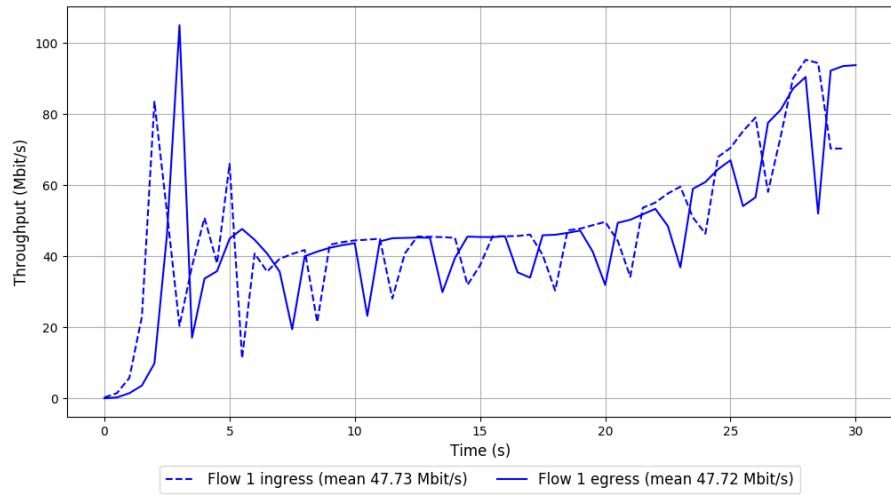


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-06 03:59:59
End at: 2018-06-06 04:00:29
Local clock offset: 0.075 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.72 Mbit/s
95th percentile per-packet one-way delay: 146.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.72 Mbit/s
95th percentile per-packet one-way delay: 146.196 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Cubic — Data Link

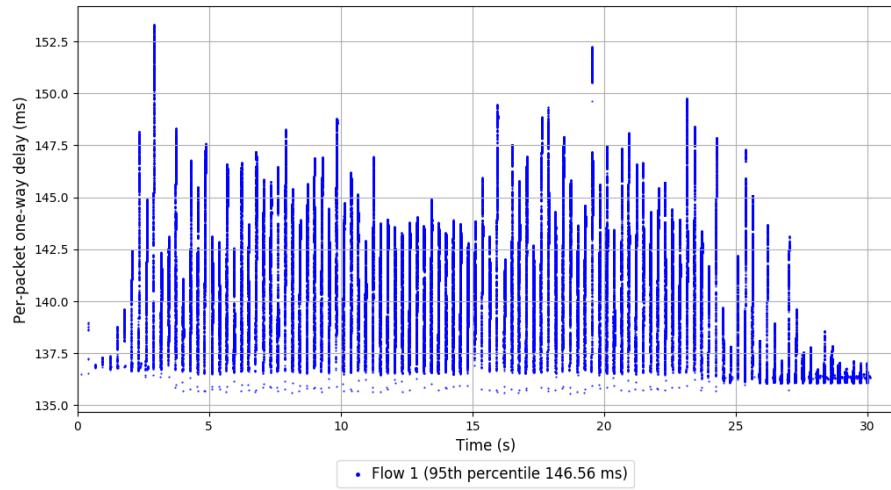
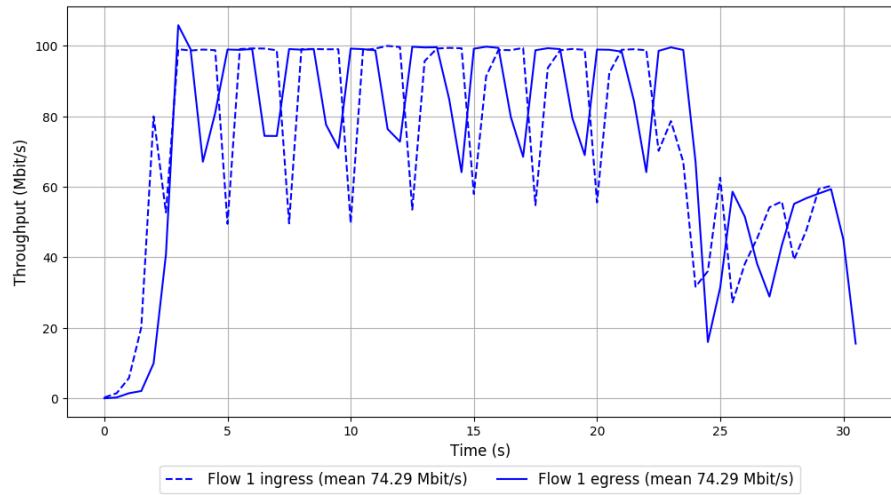


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-06 04:21:08
End at: 2018-06-06 04:21:38
Local clock offset: 0.091 ms
Remote clock offset: 0.238 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.29 Mbit/s
95th percentile per-packet one-way delay: 146.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.29 Mbit/s
95th percentile per-packet one-way delay: 146.556 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Cubic — Data Link

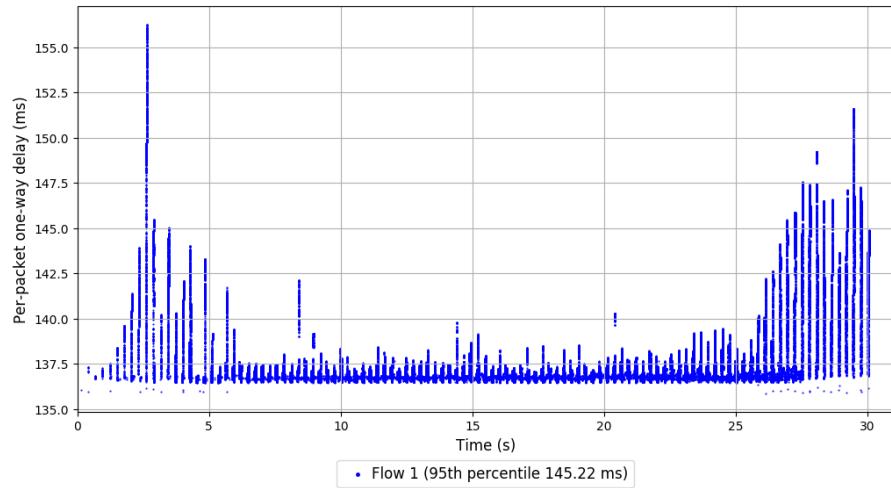
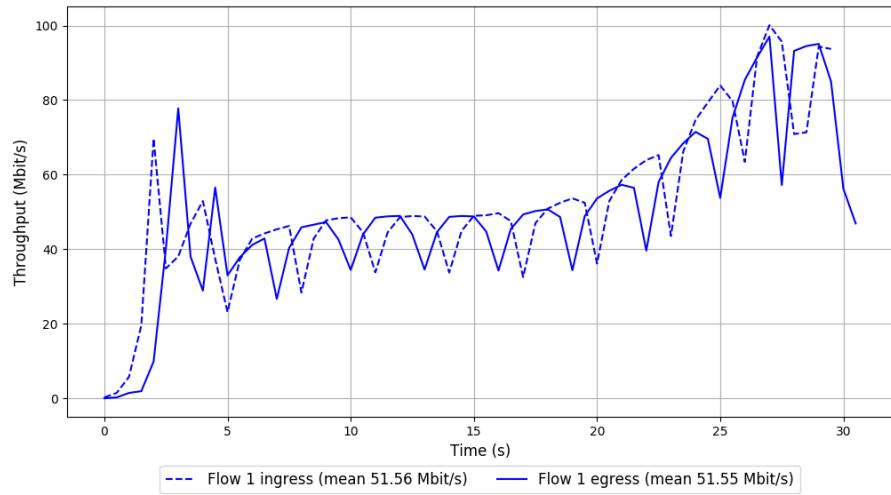


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-06 04:42:43
End at: 2018-06-06 04:43:13
Local clock offset: -0.353 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-06-06 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.55 Mbit/s
95th percentile per-packet one-way delay: 145.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.55 Mbit/s
95th percentile per-packet one-way delay: 145.218 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link

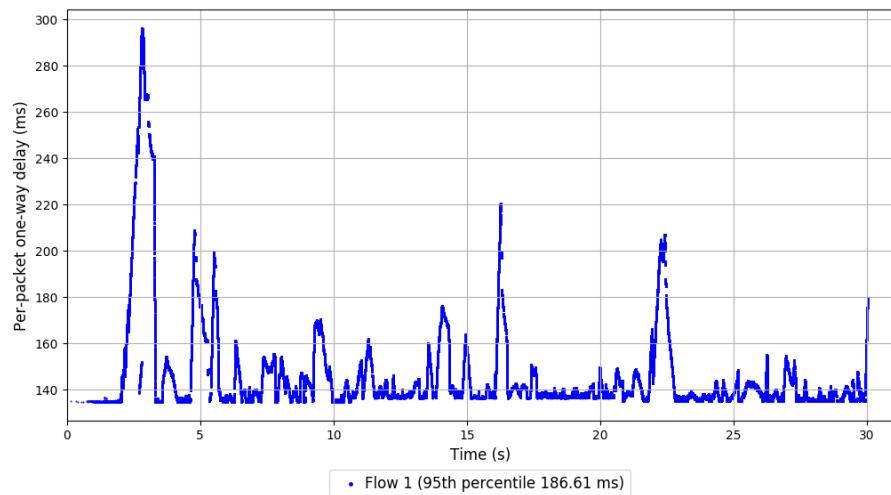
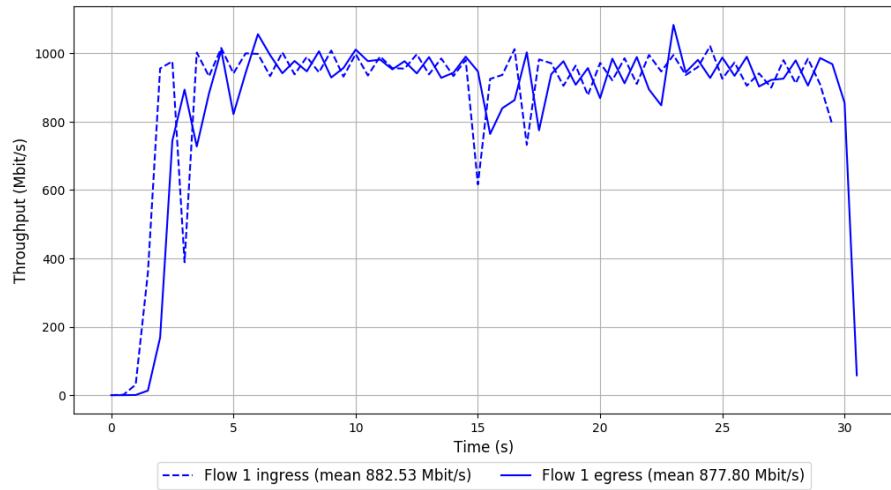


```
Run 1: Statistics of FillP

Start at: 2018-06-06 01:31:01
End at: 2018-06-06 01:31:31
Local clock offset: -0.135 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-06-06 05:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 877.80 Mbit/s
95th percentile per-packet one-way delay: 186.613 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 877.80 Mbit/s
95th percentile per-packet one-way delay: 186.613 ms
Loss rate: 0.53%
```

Run 1: Report of FillP — Data Link

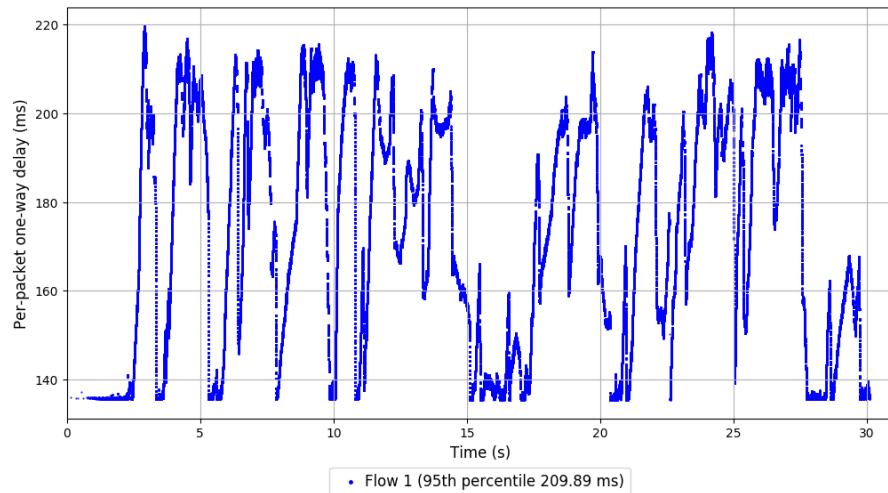
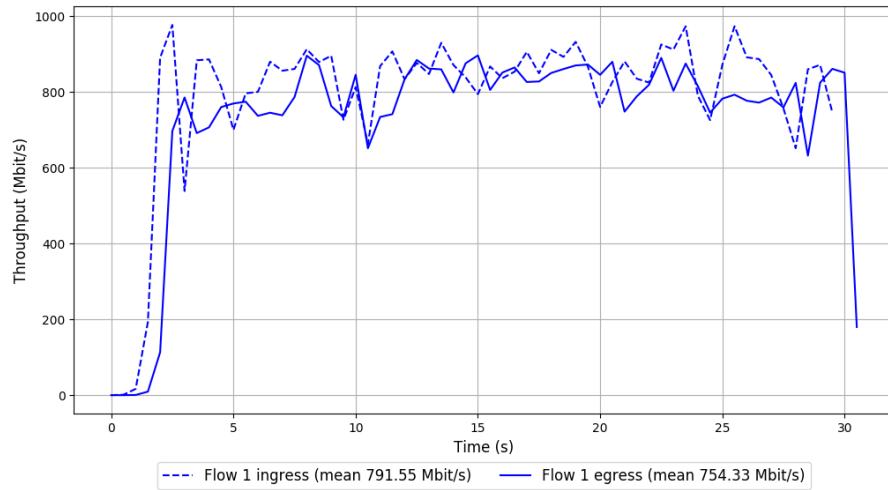


Run 2: Statistics of FillP

```
Start at: 2018-06-06 01:52:19
End at: 2018-06-06 01:52:49
Local clock offset: 0.11 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-06 05:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 754.33 Mbit/s
95th percentile per-packet one-way delay: 209.893 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 754.33 Mbit/s
95th percentile per-packet one-way delay: 209.893 ms
Loss rate: 4.70%
```

Run 2: Report of FillP — Data Link

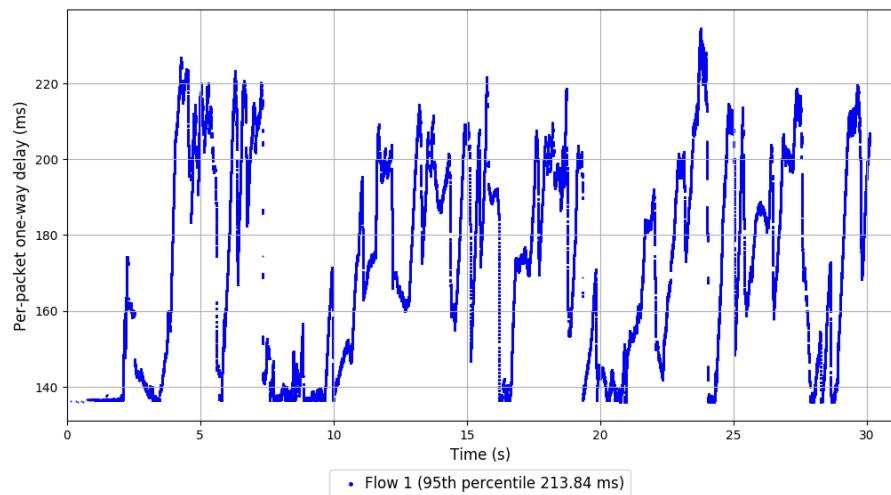
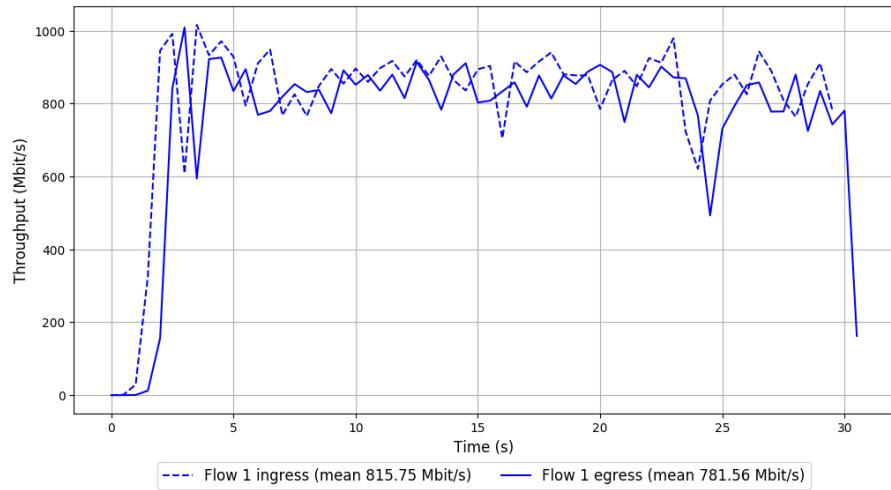


```
Run 3: Statistics of FillP
```

```
Start at: 2018-06-06 02:14:01
End at: 2018-06-06 02:14:31
Local clock offset: -0.144 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-06-06 05:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 781.56 Mbit/s
95th percentile per-packet one-way delay: 213.845 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 781.56 Mbit/s
95th percentile per-packet one-way delay: 213.845 ms
Loss rate: 4.19%
```

Run 3: Report of FillP — Data Link

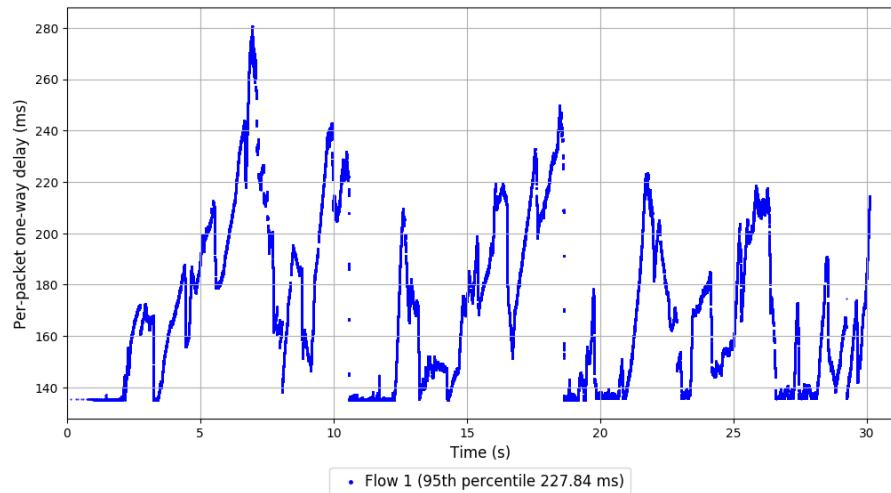
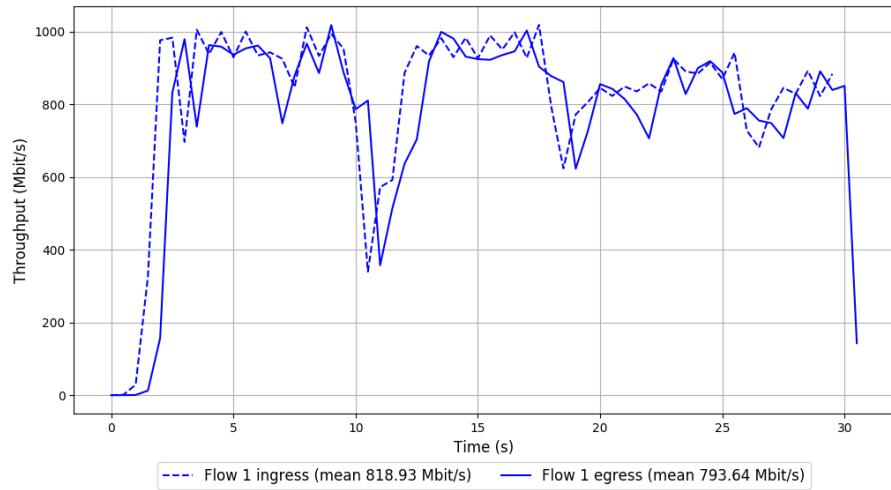


Run 4: Statistics of FillP

```
Start at: 2018-06-06 02:35:32
End at: 2018-06-06 02:36:02
Local clock offset: 0.085 ms
Remote clock offset: -0.435 ms

# Below is generated by plot.py at 2018-06-06 05:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 793.64 Mbit/s
95th percentile per-packet one-way delay: 227.843 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 793.64 Mbit/s
95th percentile per-packet one-way delay: 227.843 ms
Loss rate: 3.09%
```

Run 4: Report of FillP — Data Link

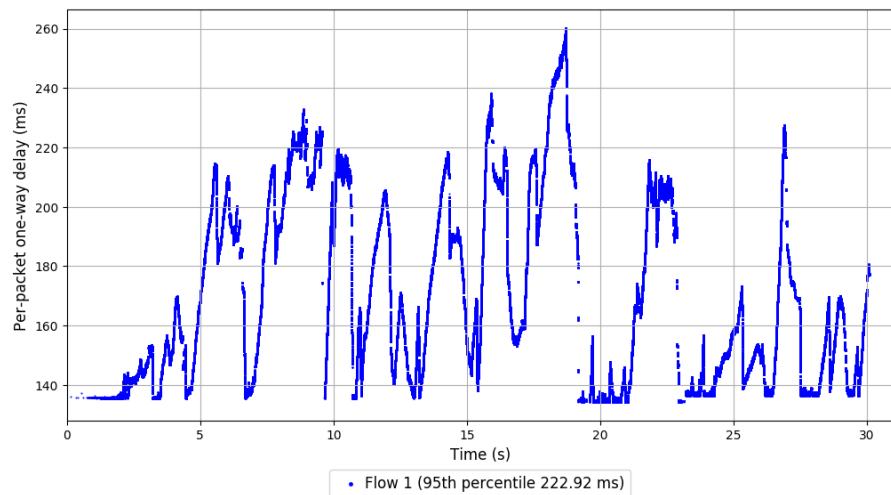
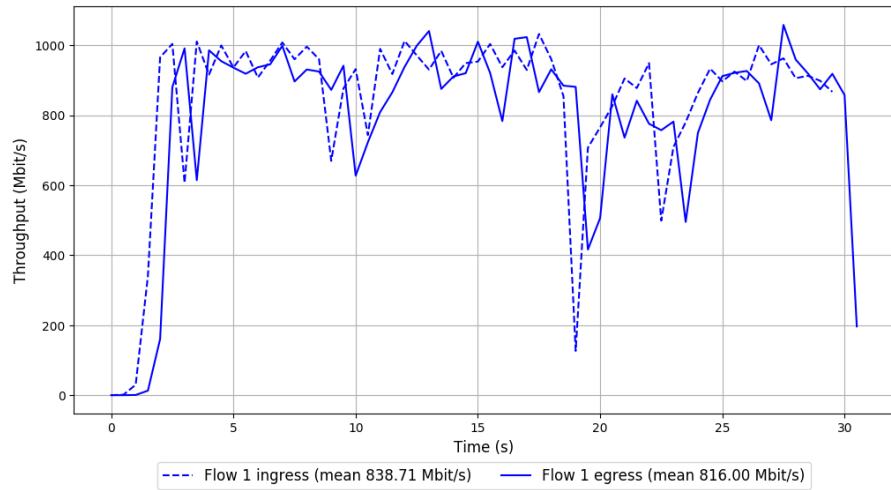


```
Run 5: Statistics of FillP
```

```
Start at: 2018-06-06 02:57:09
End at: 2018-06-06 02:57:39
Local clock offset: 0.073 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-06-06 05:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 816.00 Mbit/s
95th percentile per-packet one-way delay: 222.919 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 816.00 Mbit/s
95th percentile per-packet one-way delay: 222.919 ms
Loss rate: 2.71%
```

Run 5: Report of FillP — Data Link

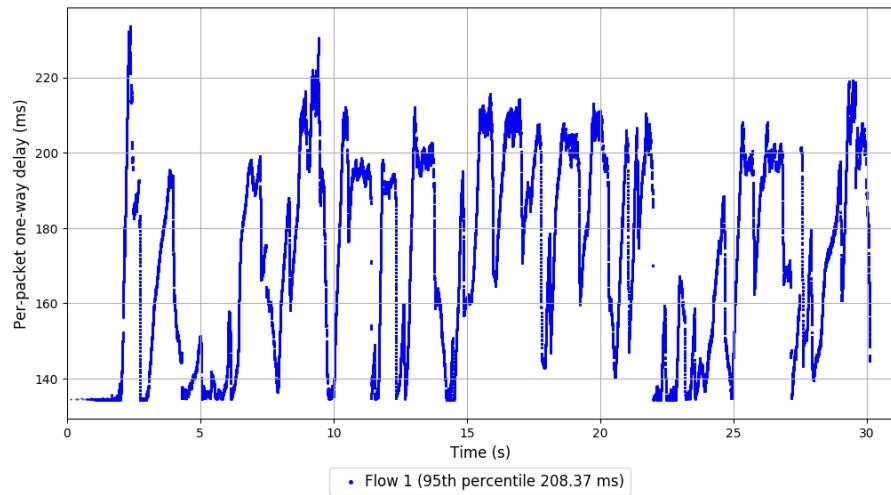
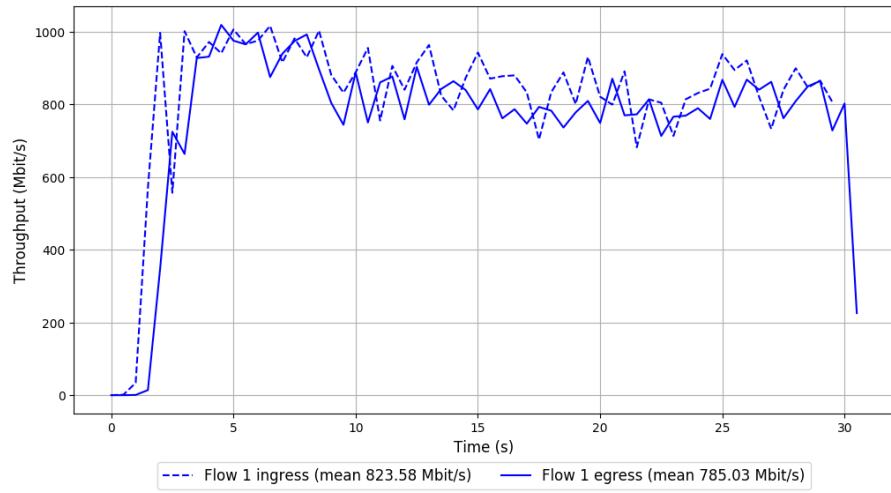


```
Run 6: Statistics of FillP
```

```
Start at: 2018-06-06 03:18:29
End at: 2018-06-06 03:18:59
Local clock offset: 0.141 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-06-06 05:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 785.03 Mbit/s
95th percentile per-packet one-way delay: 208.369 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 785.03 Mbit/s
95th percentile per-packet one-way delay: 208.369 ms
Loss rate: 4.68%
```

Run 6: Report of FillP — Data Link

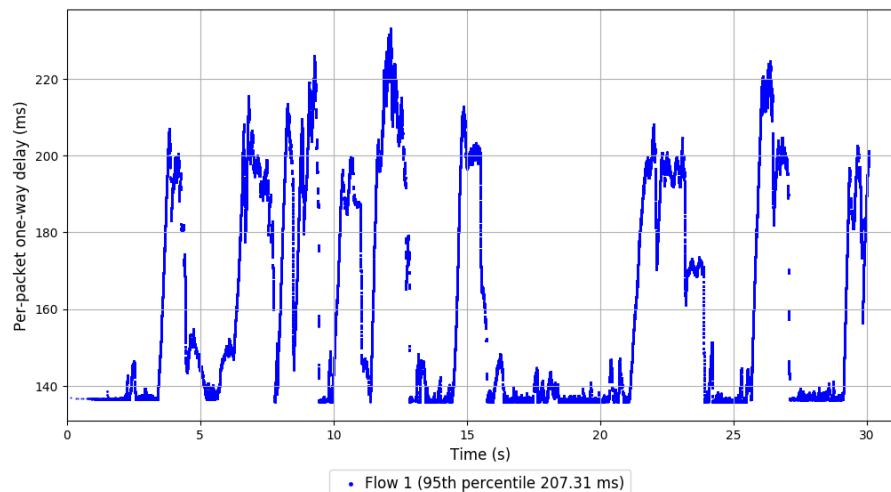
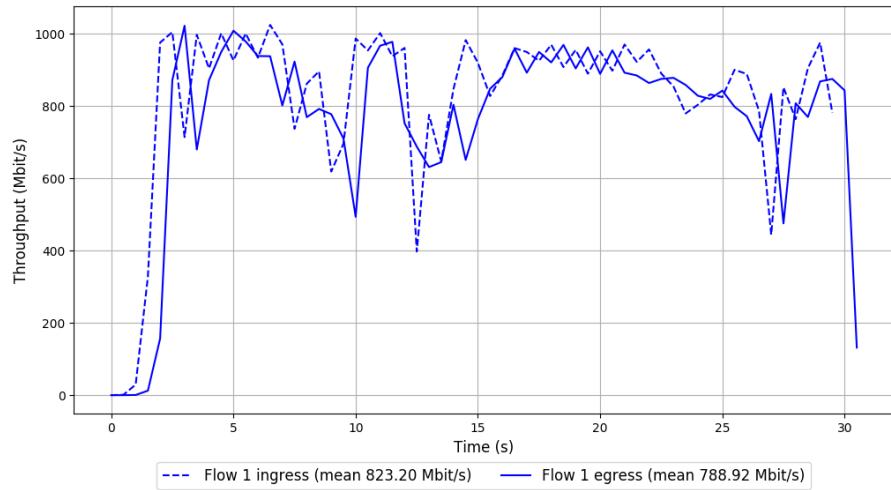


Run 7: Statistics of FillP

```
Start at: 2018-06-06 03:39:56
End at: 2018-06-06 03:40:26
Local clock offset: -0.061 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-06-06 05:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 788.92 Mbit/s
95th percentile per-packet one-way delay: 207.308 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 788.92 Mbit/s
95th percentile per-packet one-way delay: 207.308 ms
Loss rate: 4.16%
```

Run 7: Report of FillP — Data Link

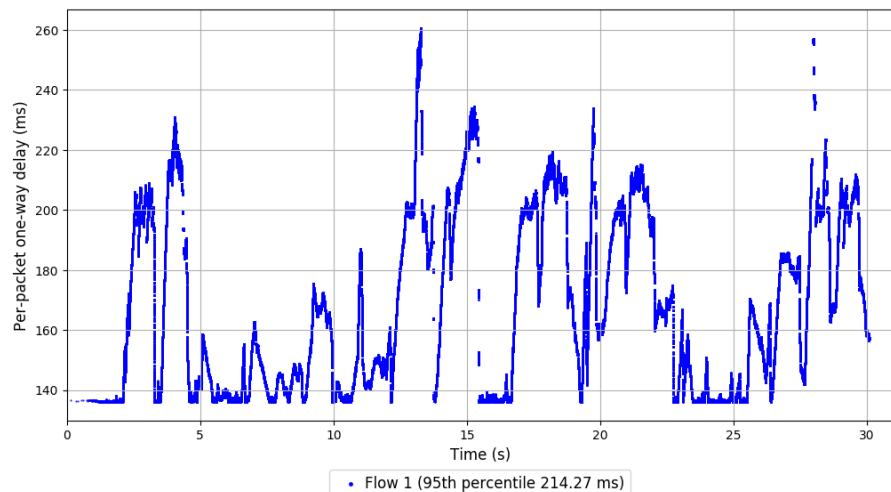
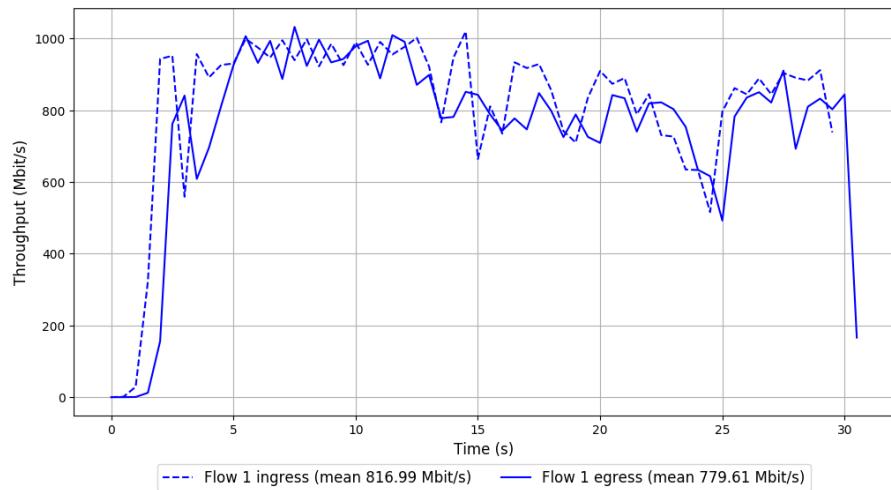


Run 8: Statistics of FillP

```
Start at: 2018-06-06 04:01:11
End at: 2018-06-06 04:01:41
Local clock offset: 0.196 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-06-06 05:27:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 779.61 Mbit/s
95th percentile per-packet one-way delay: 214.271 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 779.61 Mbit/s
95th percentile per-packet one-way delay: 214.271 ms
Loss rate: 4.57%
```

Run 8: Report of FillP — Data Link

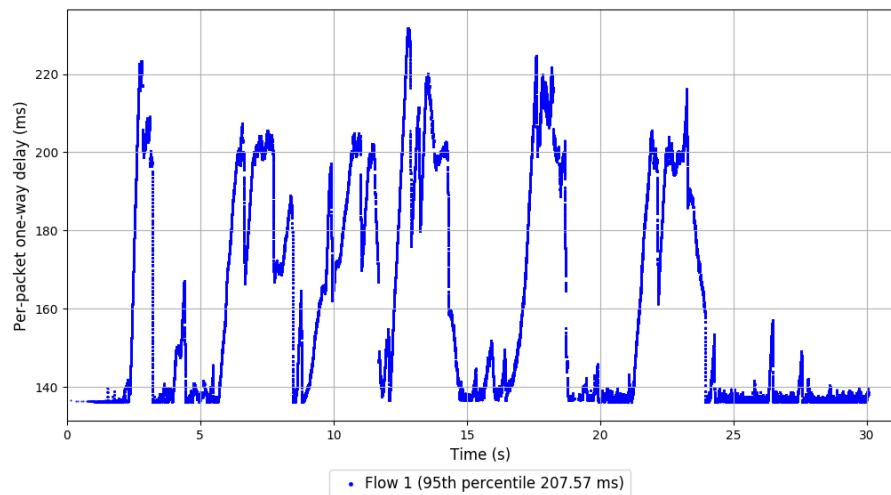
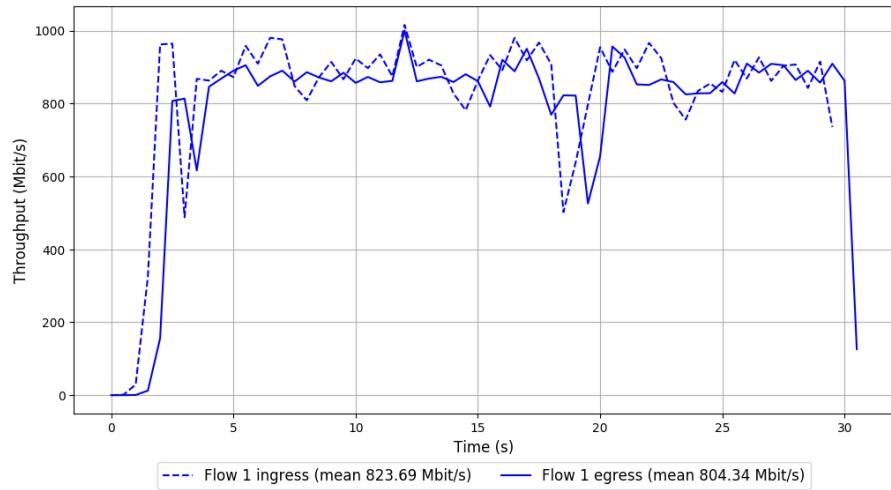


Run 9: Statistics of FillP

```
Start at: 2018-06-06 04:22:22
End at: 2018-06-06 04:22:52
Local clock offset: -0.332 ms
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2018-06-06 05:37:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 804.34 Mbit/s
95th percentile per-packet one-way delay: 207.566 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 804.34 Mbit/s
95th percentile per-packet one-way delay: 207.566 ms
Loss rate: 2.34%
```

Run 9: Report of FillP — Data Link

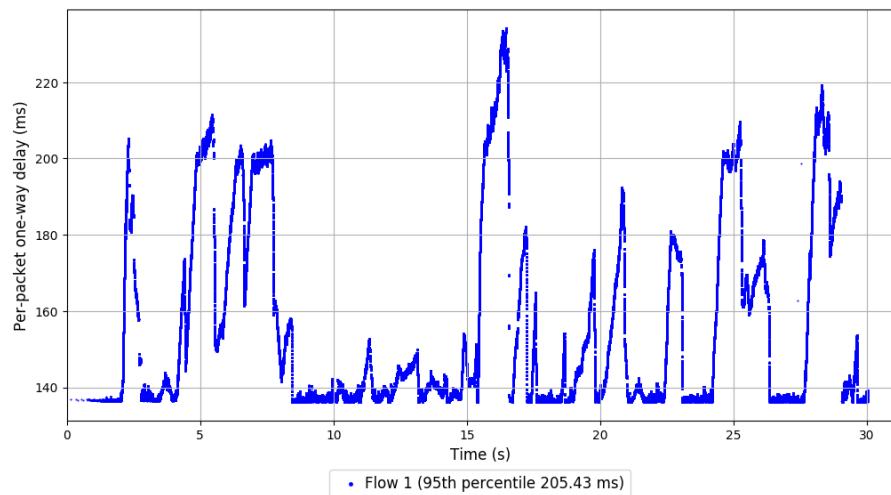
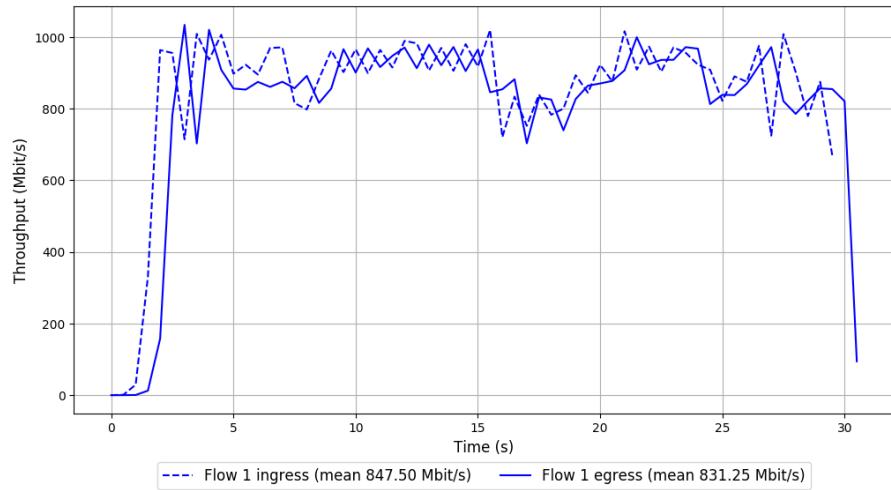


```
Run 10: Statistics of FillP
```

```
Start at: 2018-06-06 04:43:56
End at: 2018-06-06 04:44:26
Local clock offset: 0.443 ms
Remote clock offset: 0.314 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 831.25 Mbit/s
95th percentile per-packet one-way delay: 205.430 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 831.25 Mbit/s
95th percentile per-packet one-way delay: 205.430 ms
Loss rate: 1.92%
```

Run 10: Report of FillP — Data Link

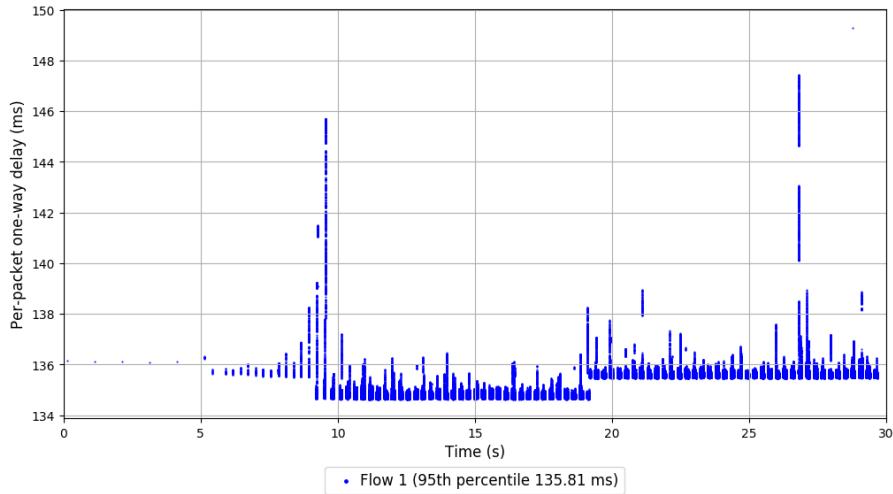
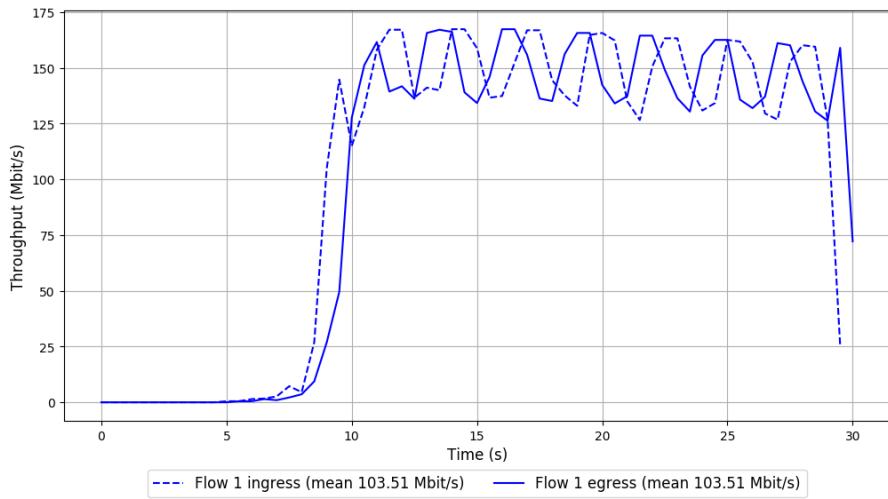


Run 1: Statistics of Indigo

```
Start at: 2018-06-06 01:35:22
End at: 2018-06-06 01:35:52
Local clock offset: 0.174 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.51 Mbit/s
95th percentile per-packet one-way delay: 135.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.51 Mbit/s
95th percentile per-packet one-way delay: 135.808 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

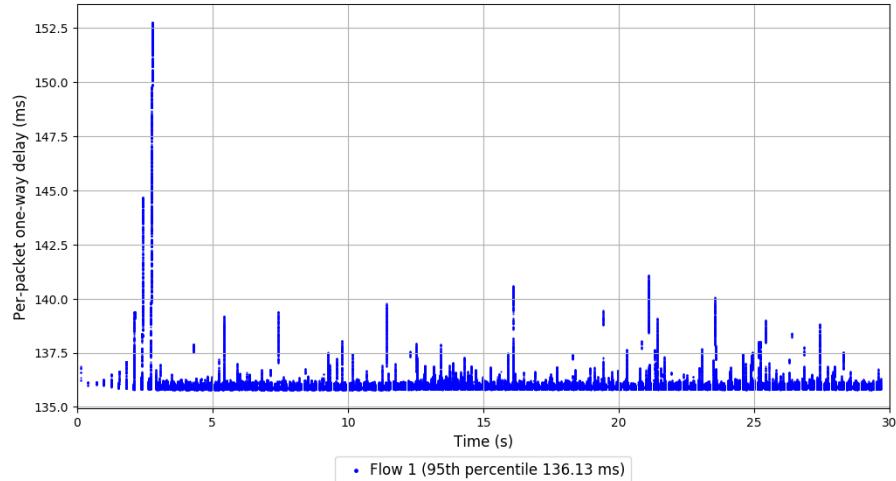
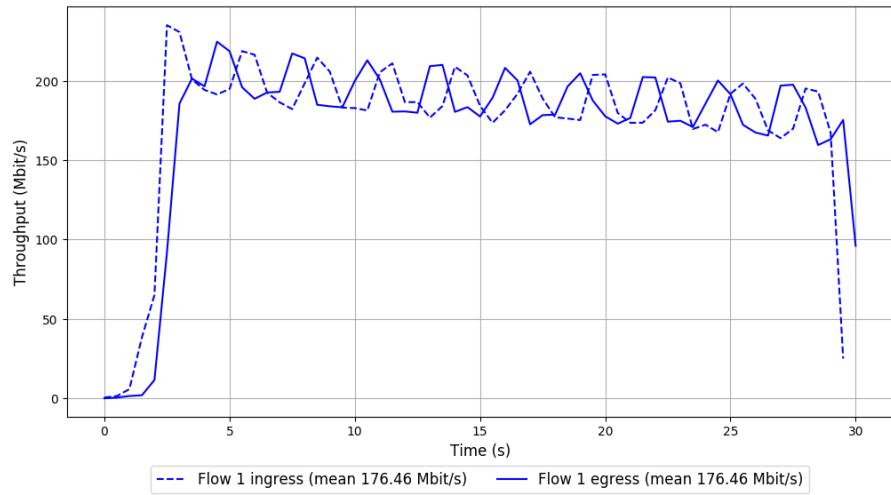


Run 2: Statistics of Indigo

```
Start at: 2018-06-06 01:56:40
End at: 2018-06-06 01:57:10
Local clock offset: -0.168 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.46 Mbit/s
95th percentile per-packet one-way delay: 136.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.46 Mbit/s
95th percentile per-packet one-way delay: 136.128 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

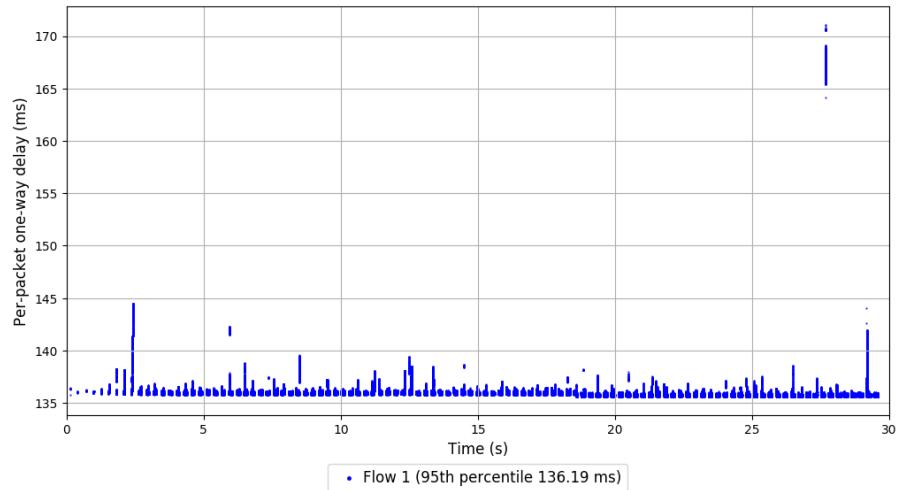
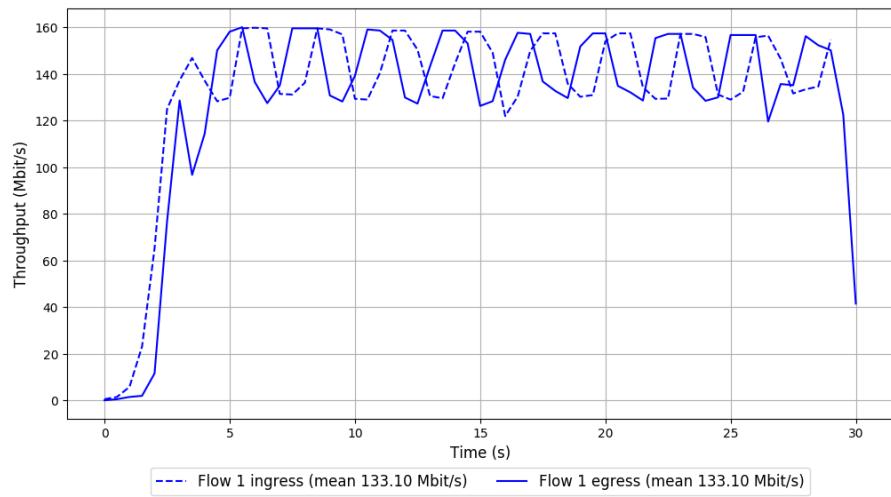


Run 3: Statistics of Indigo

```
Start at: 2018-06-06 02:18:23
End at: 2018-06-06 02:18:53
Local clock offset: -0.039 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.10 Mbit/s
95th percentile per-packet one-way delay: 136.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.10 Mbit/s
95th percentile per-packet one-way delay: 136.185 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

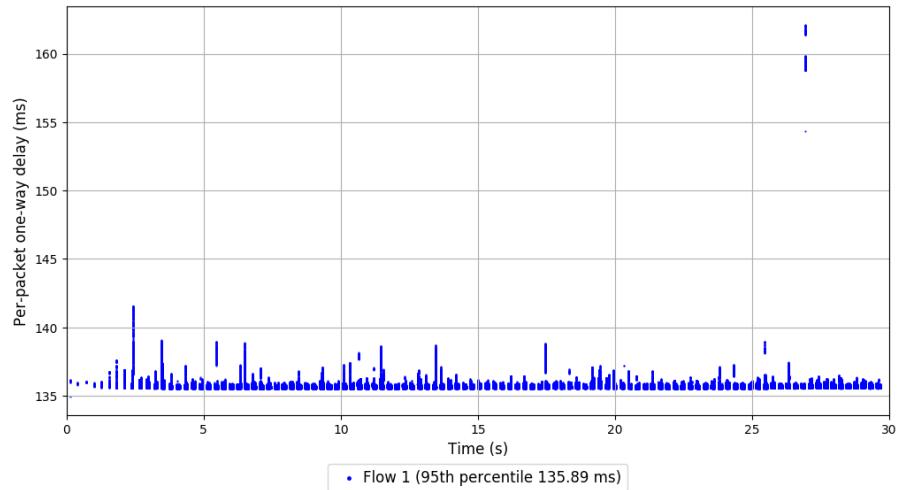
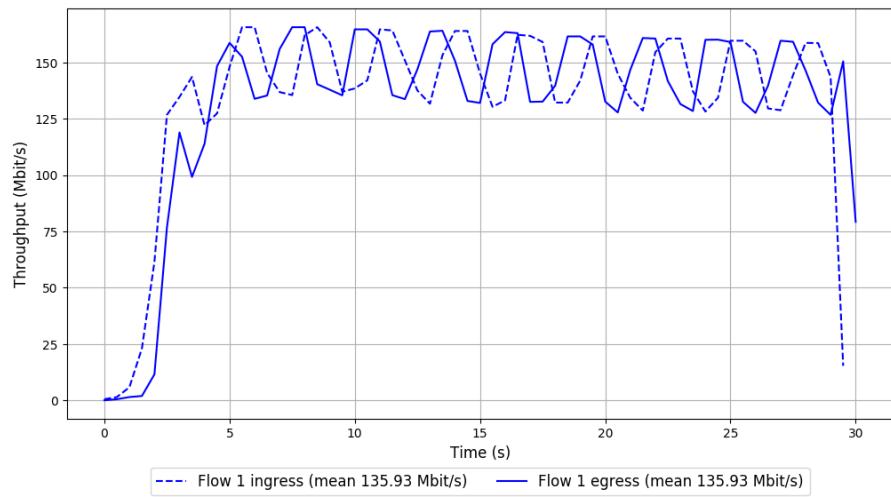


Run 4: Statistics of Indigo

```
Start at: 2018-06-06 02:39:56
End at: 2018-06-06 02:40:26
Local clock offset: -0.001 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.93 Mbit/s
95th percentile per-packet one-way delay: 135.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.93 Mbit/s
95th percentile per-packet one-way delay: 135.892 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

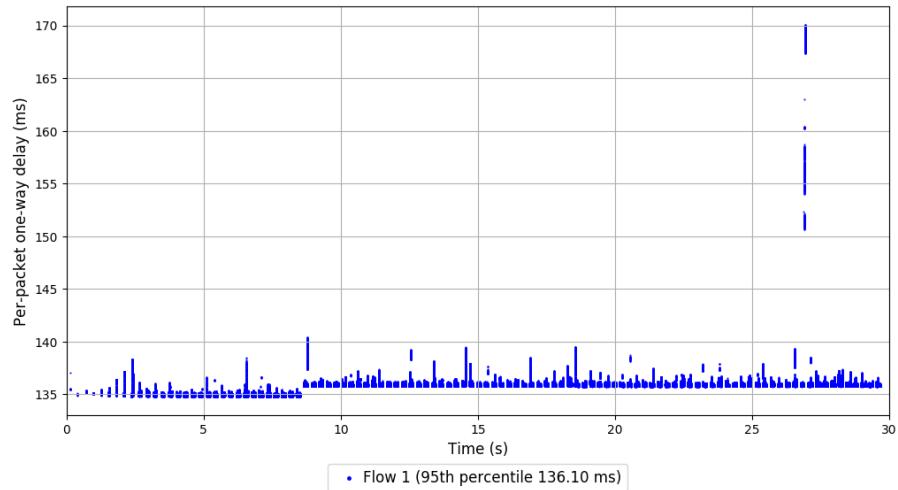
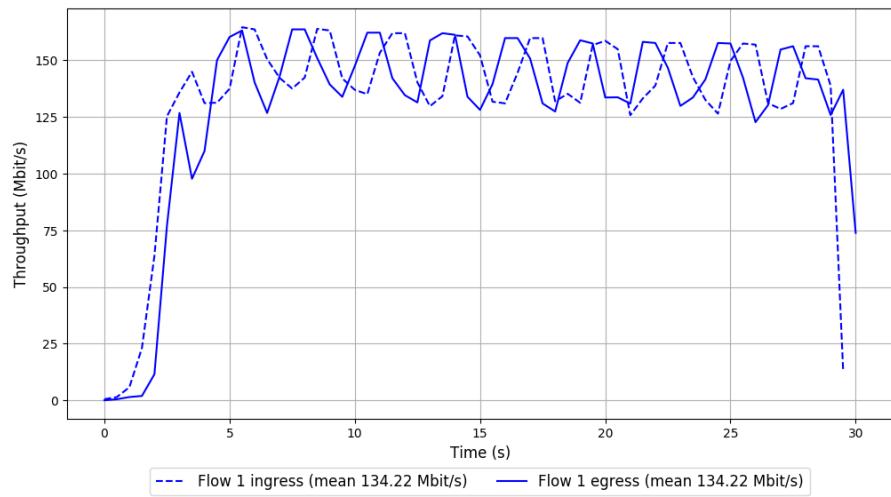


Run 5: Statistics of Indigo

```
Start at: 2018-06-06 03:01:33
End at: 2018-06-06 03:02:03
Local clock offset: -0.212 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.22 Mbit/s
95th percentile per-packet one-way delay: 136.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.22 Mbit/s
95th percentile per-packet one-way delay: 136.105 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

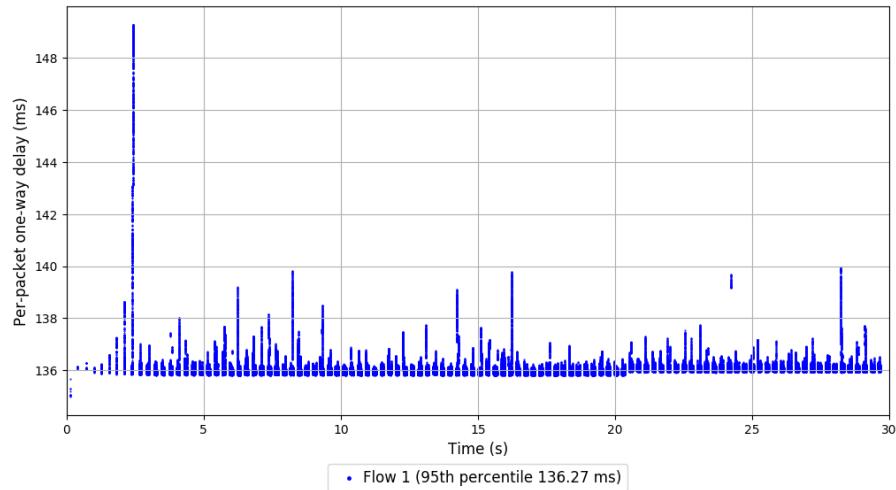
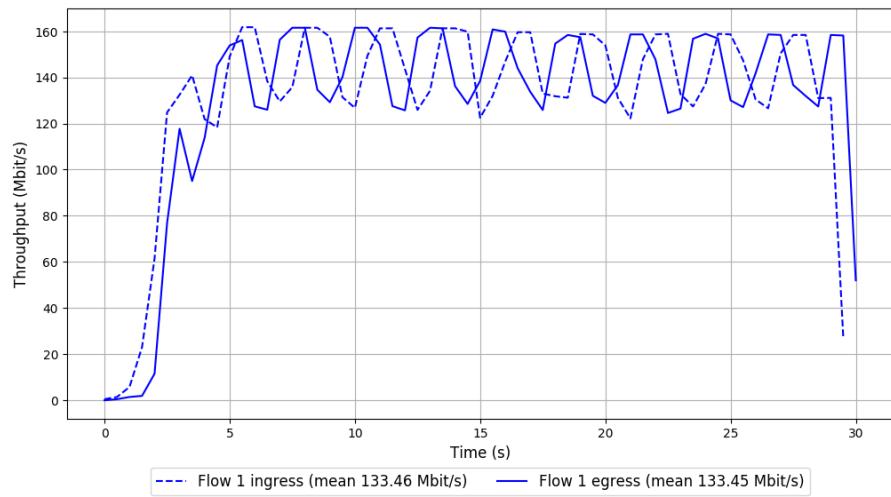


Run 6: Statistics of Indigo

```
Start at: 2018-06-06 03:22:51
End at: 2018-06-06 03:23:21
Local clock offset: 0.35 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.45 Mbit/s
95th percentile per-packet one-way delay: 136.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.45 Mbit/s
95th percentile per-packet one-way delay: 136.270 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

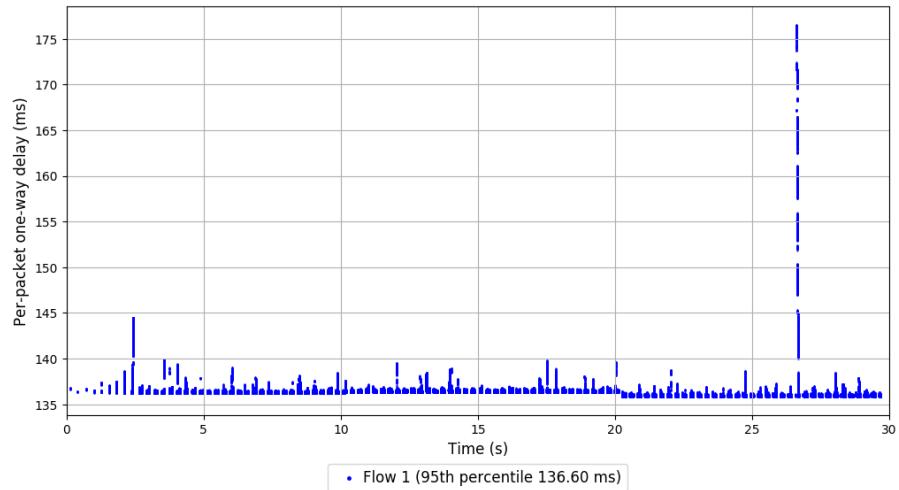
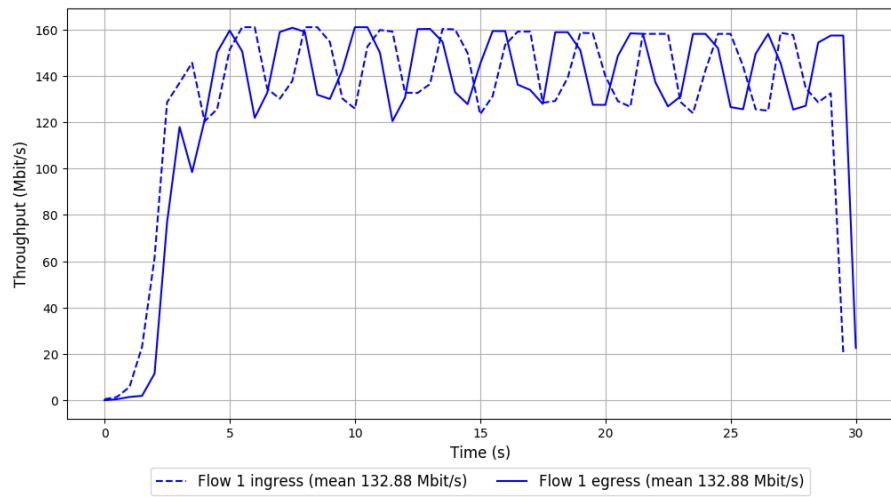


Run 7: Statistics of Indigo

```
Start at: 2018-06-06 03:44:01
End at: 2018-06-06 03:44:31
Local clock offset: 0.039 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.88 Mbit/s
95th percentile per-packet one-way delay: 136.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.88 Mbit/s
95th percentile per-packet one-way delay: 136.599 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

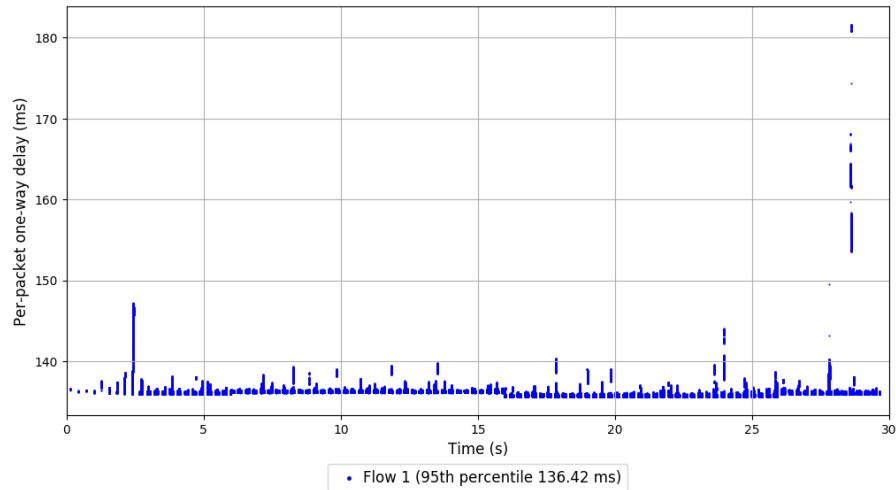
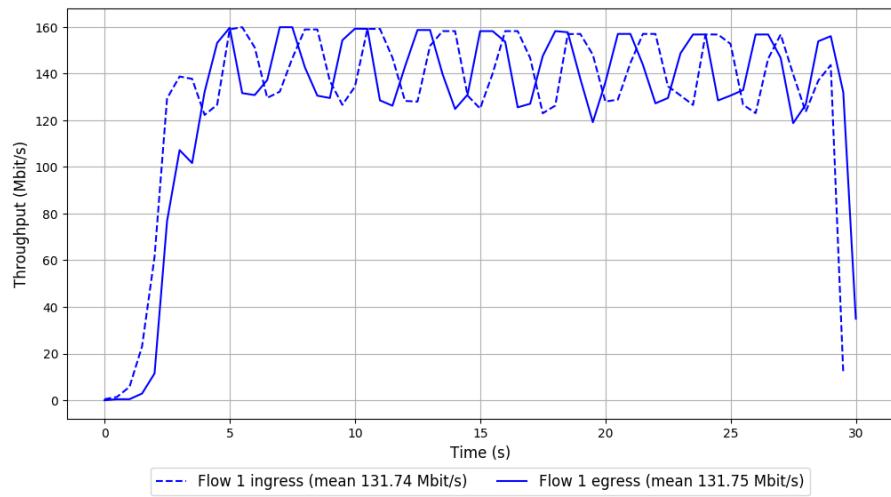


Run 8: Statistics of Indigo

```
Start at: 2018-06-06 04:05:16
End at: 2018-06-06 04:05:46
Local clock offset: 0.16 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.75 Mbit/s
95th percentile per-packet one-way delay: 136.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.75 Mbit/s
95th percentile per-packet one-way delay: 136.418 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

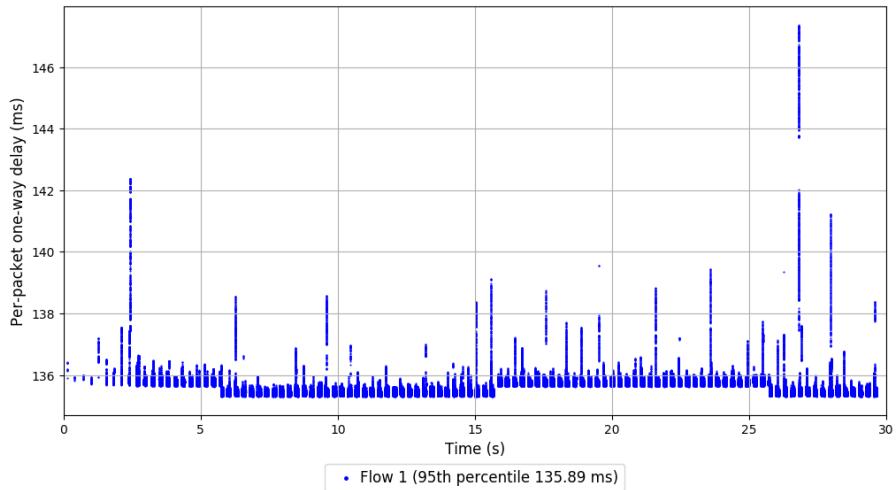
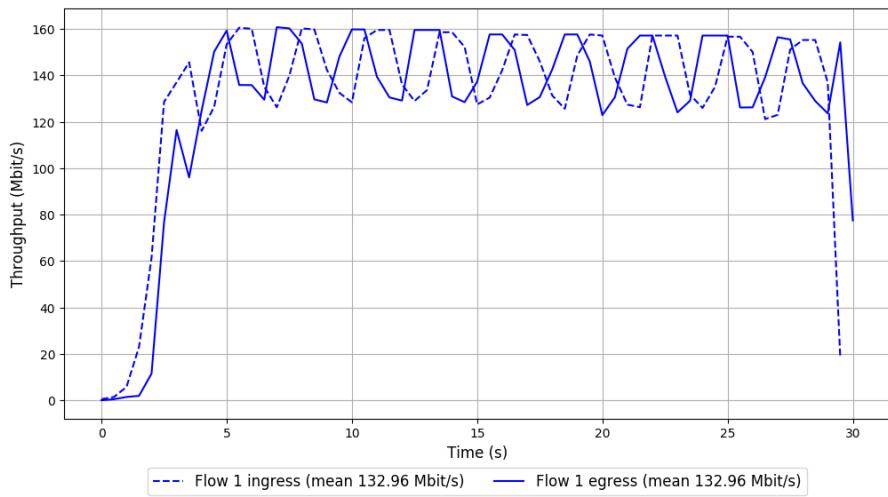


Run 9: Statistics of Indigo

```
Start at: 2018-06-06 04:26:46
End at: 2018-06-06 04:27:16
Local clock offset: 0.094 ms
Remote clock offset: -0.463 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.96 Mbit/s
95th percentile per-packet one-way delay: 135.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.96 Mbit/s
95th percentile per-packet one-way delay: 135.888 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

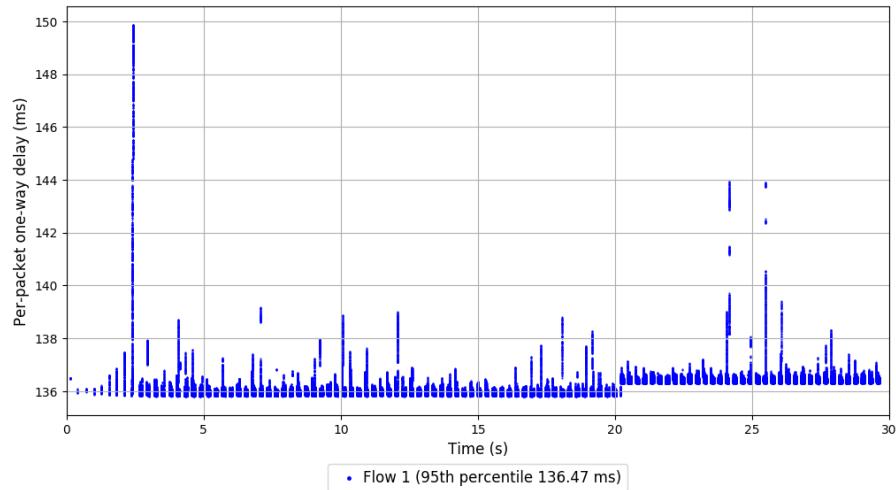
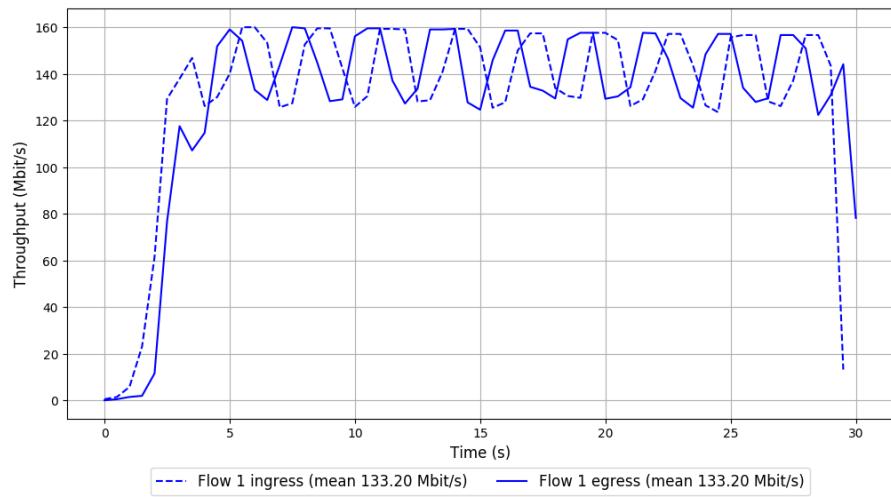


Run 10: Statistics of Indigo

```
Start at: 2018-06-06 04:48:01
End at: 2018-06-06 04:48:31
Local clock offset: 0.01 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.20 Mbit/s
95th percentile per-packet one-way delay: 136.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.20 Mbit/s
95th percentile per-packet one-way delay: 136.472 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

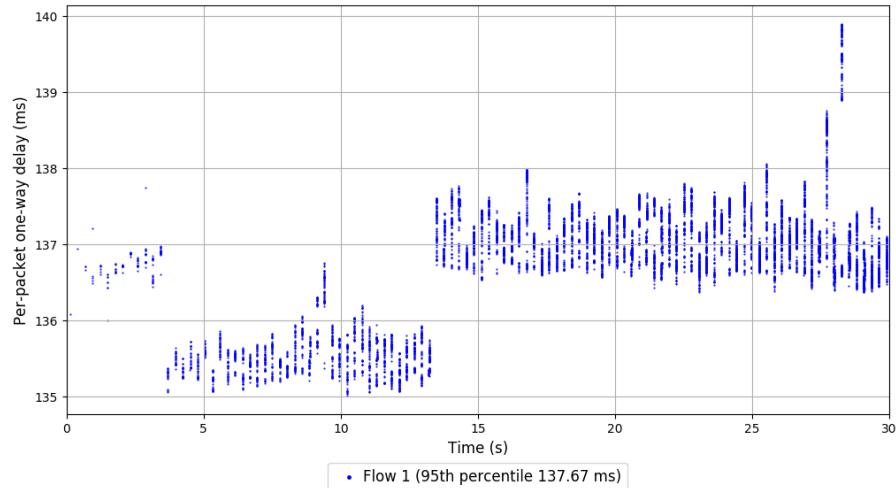
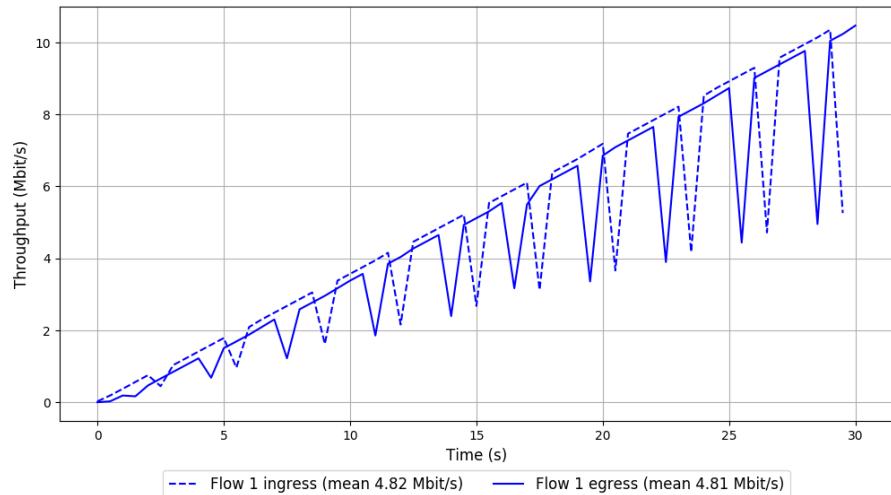


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-06-06 01:32:48
End at: 2018-06-06 01:33:18
Local clock offset: -0.106 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 137.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 137.666 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

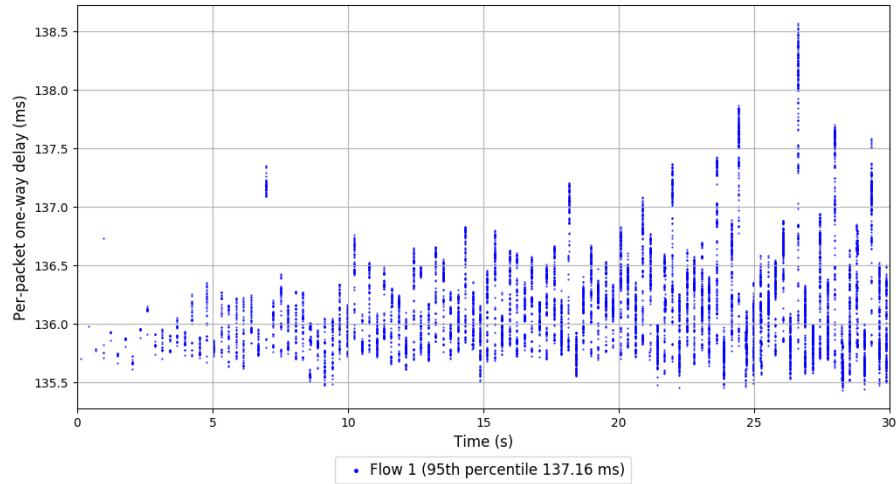
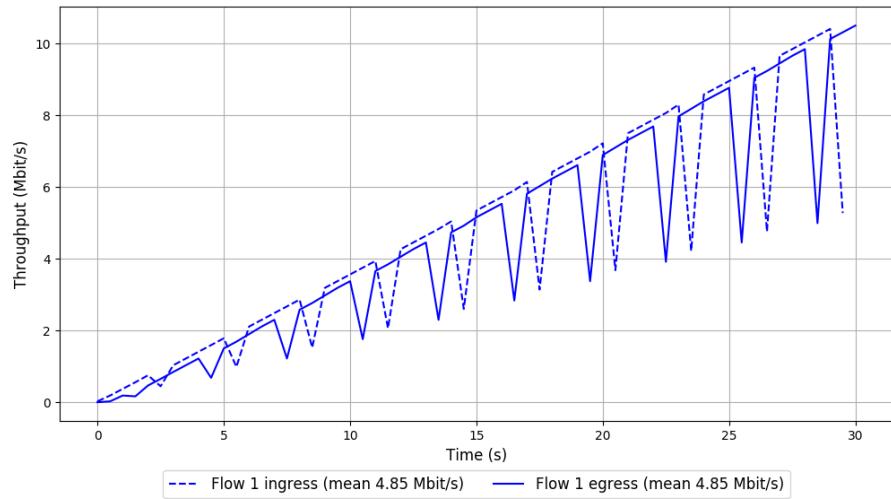


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-06 01:54:02
End at: 2018-06-06 01:54:32
Local clock offset: -0.203 ms
Remote clock offset: -0.446 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.160 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

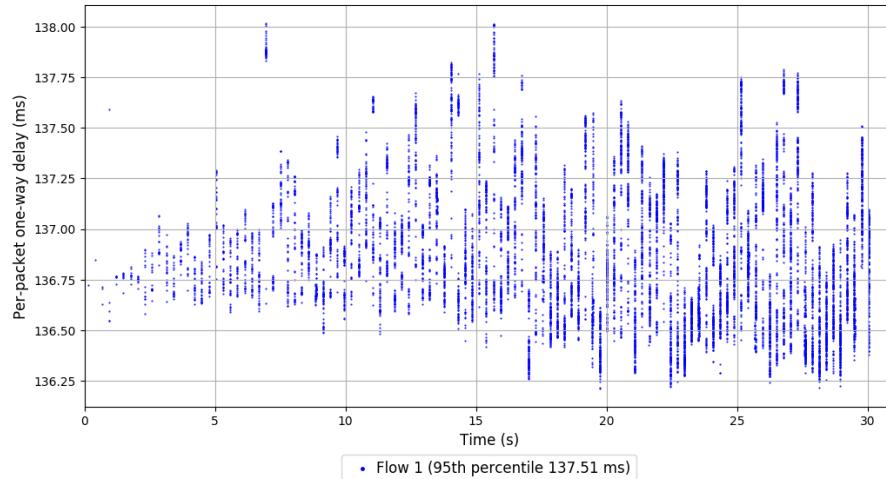
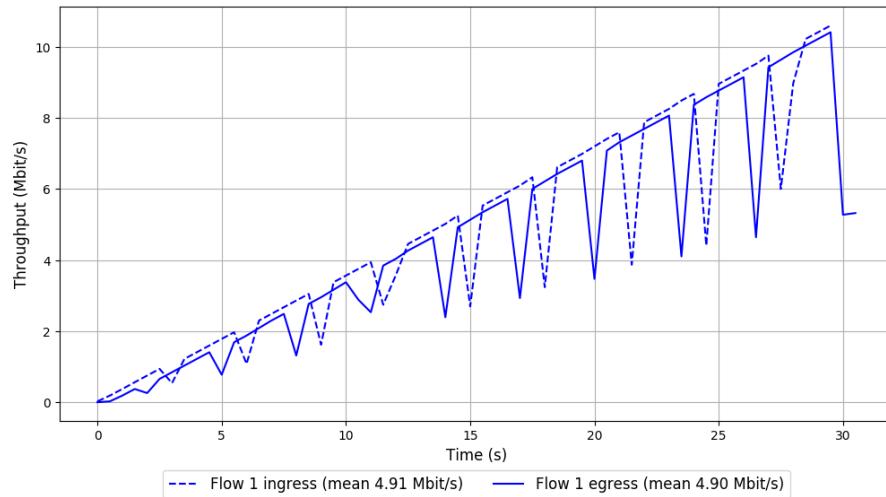


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-06 02:15:45
End at: 2018-06-06 02:16:15
Local clock offset: -0.21 ms
Remote clock offset: 0.388 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 137.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 137.509 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

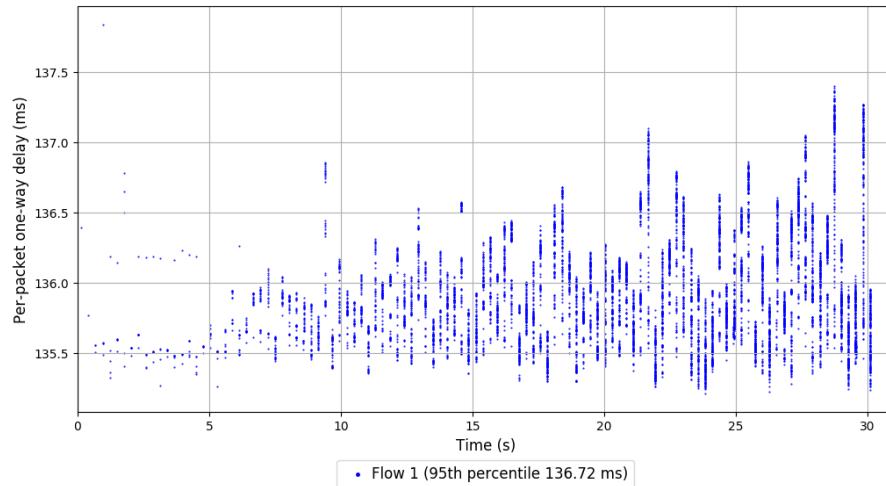
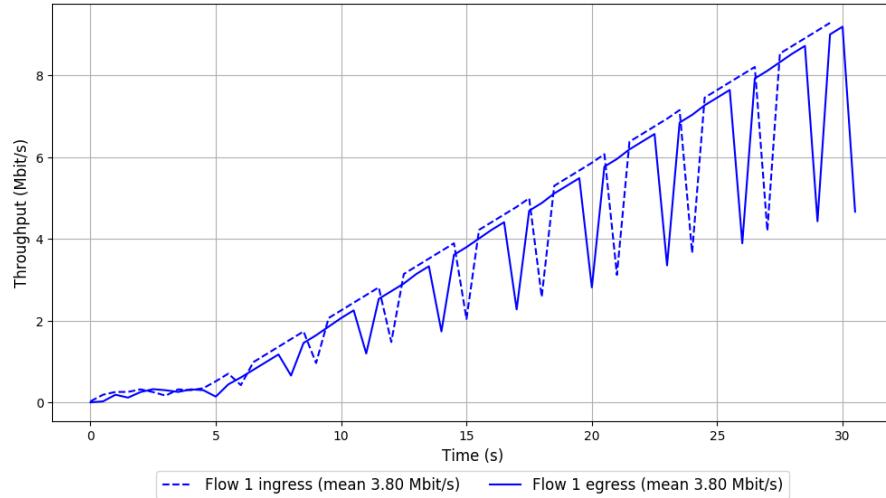


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-06 02:37:17
End at: 2018-06-06 02:37:47
Local clock offset: 0.325 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 136.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 136.724 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

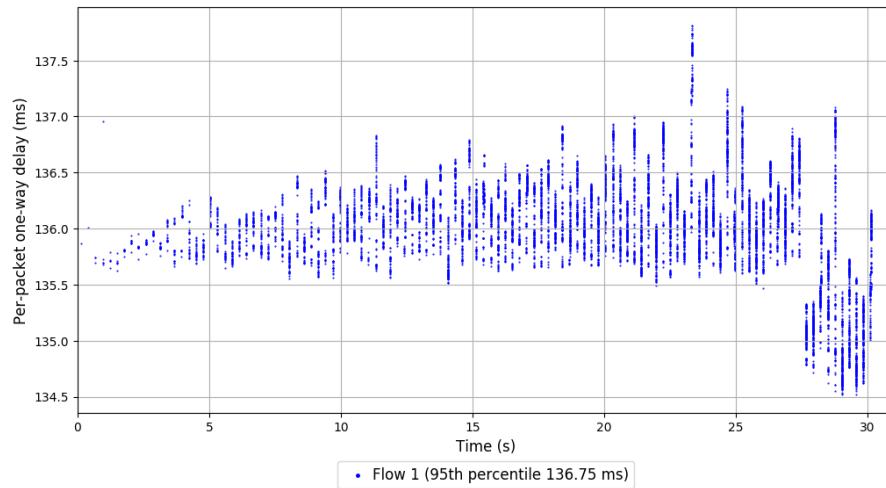
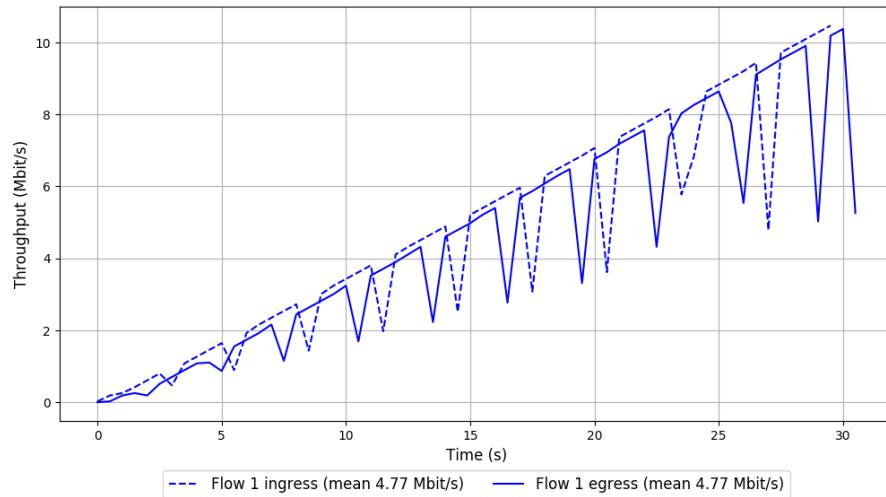


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-06 02:58:54
End at: 2018-06-06 02:59:24
Local clock offset: 0.093 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 136.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 136.748 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

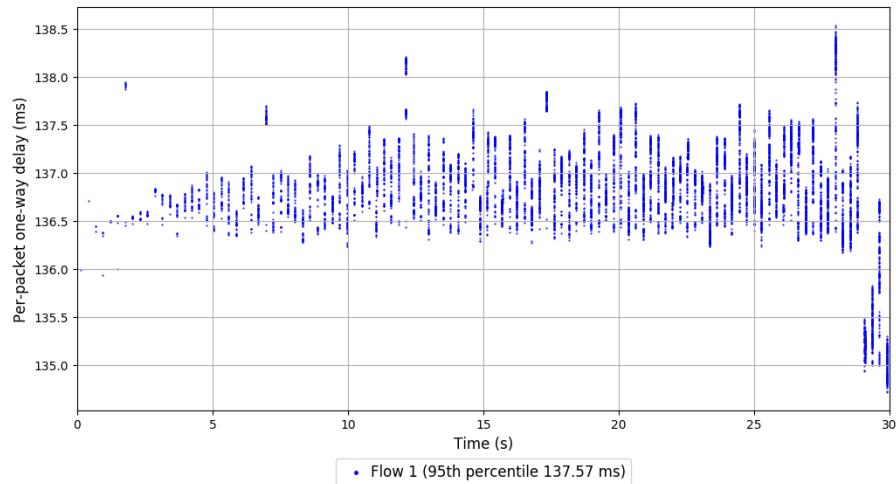
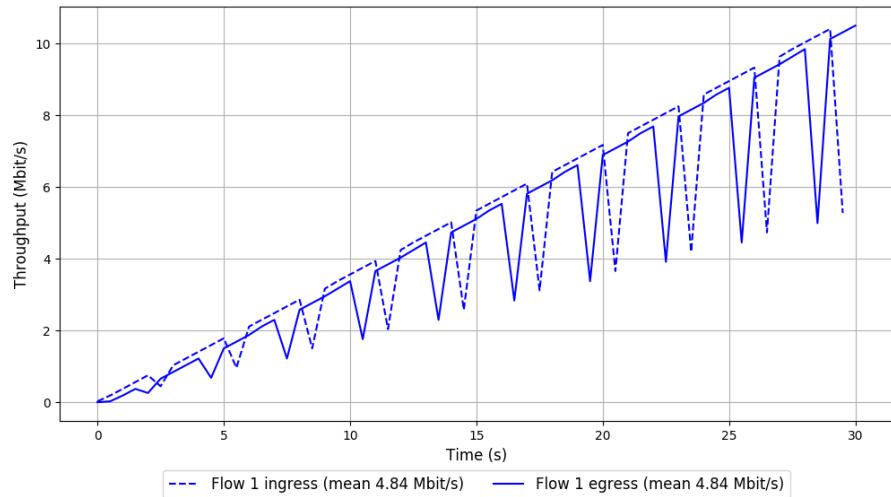


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-06 03:20:13
End at: 2018-06-06 03:20:43
Local clock offset: 0.01 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.569 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

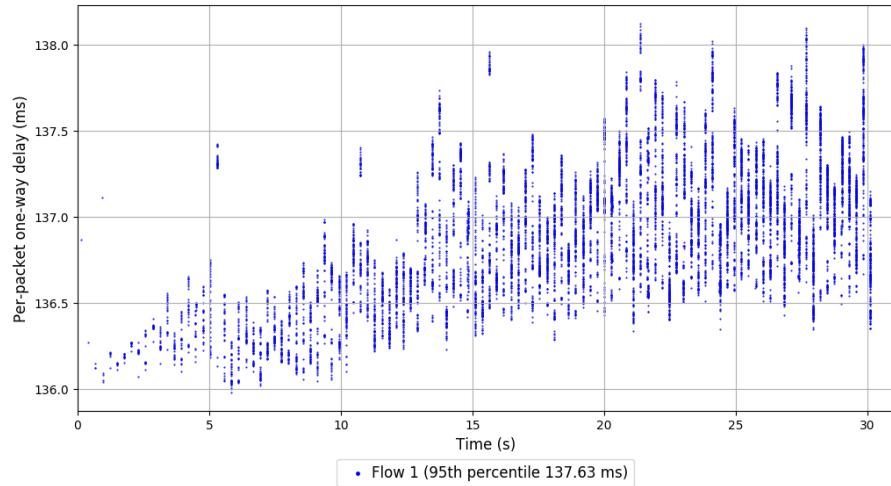
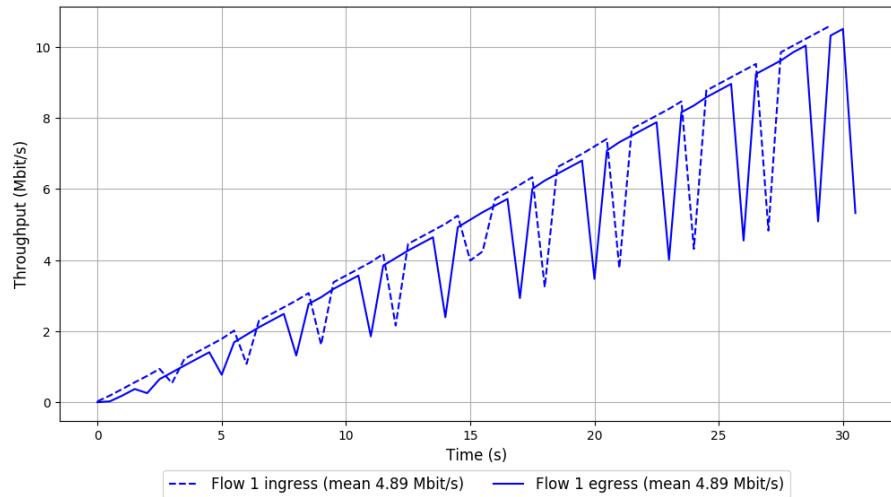


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-06 03:41:42
End at: 2018-06-06 03:42:12
Local clock offset: -0.002 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.628 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

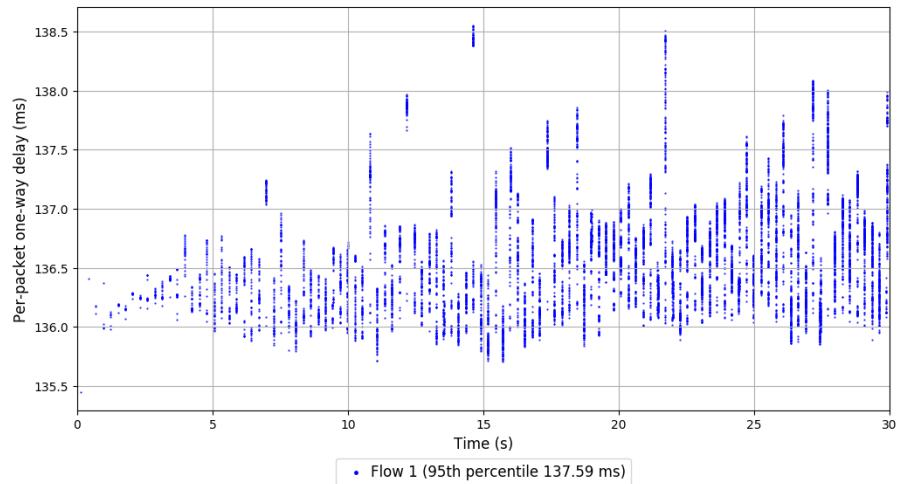
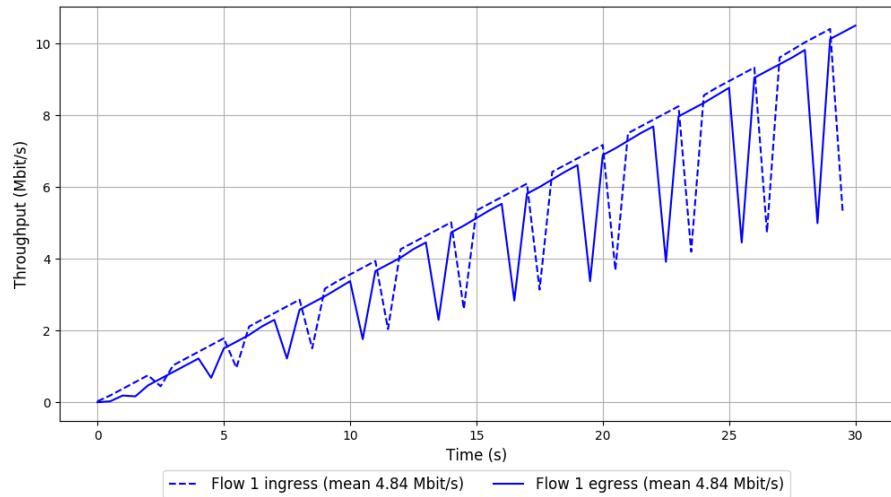


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-06 04:02:56
End at: 2018-06-06 04:03:26
Local clock offset: 0.456 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.592 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

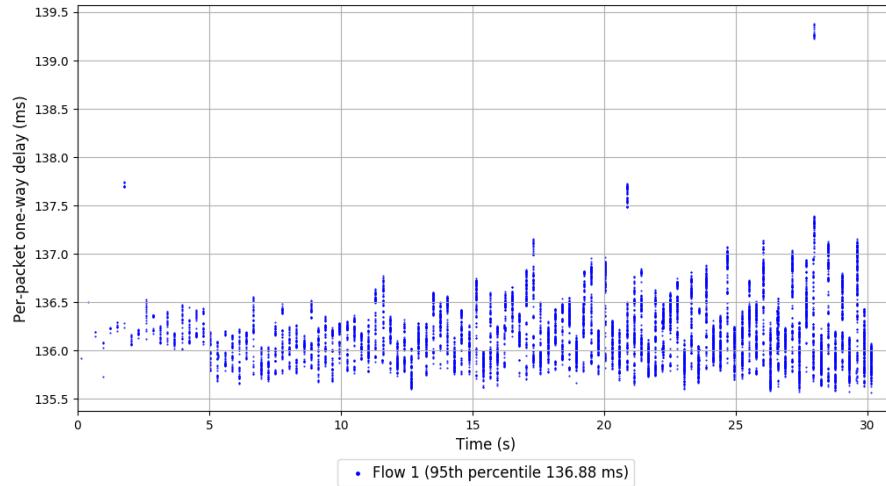
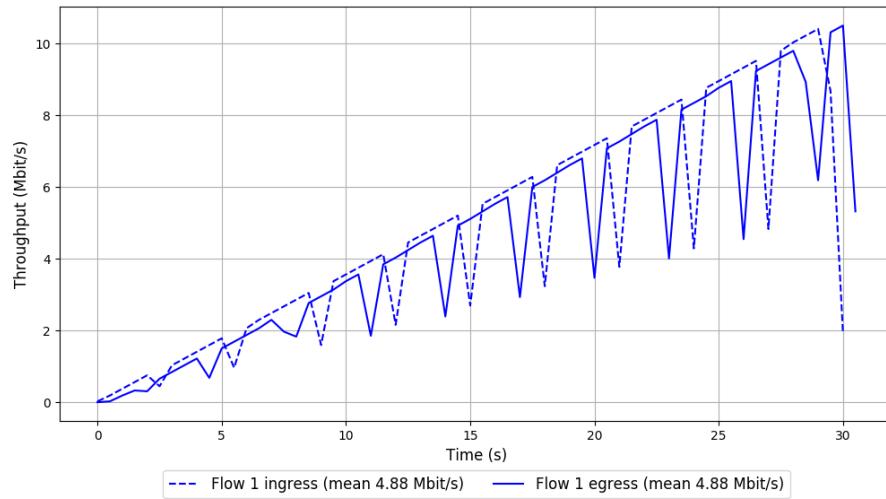


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-06 04:24:07
End at: 2018-06-06 04:24:37
Local clock offset: 0.229 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 136.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 136.878 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

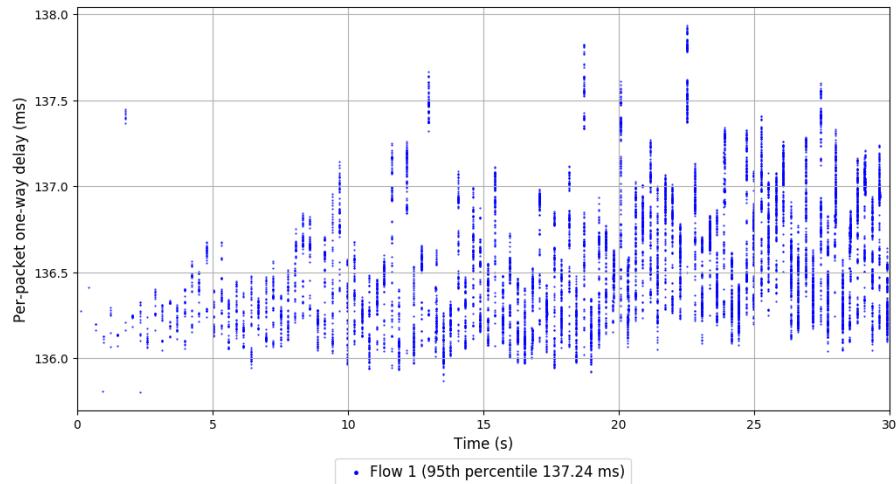
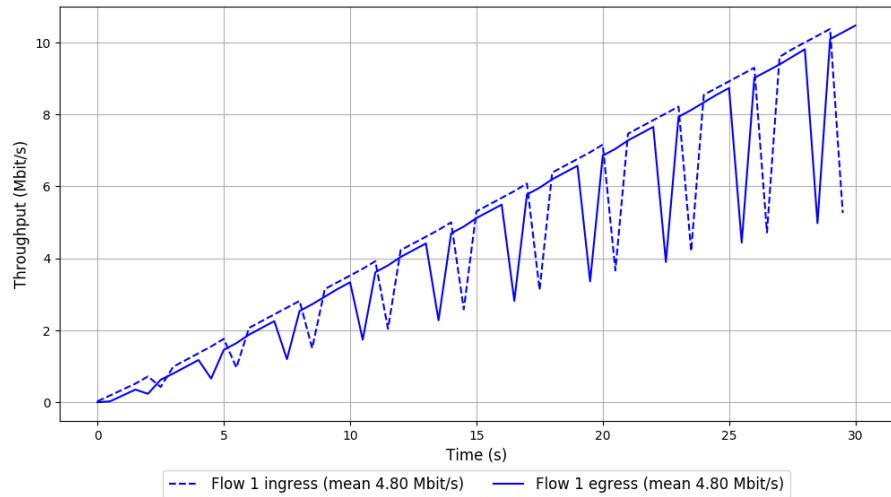


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-06 04:45:42
End at: 2018-06-06 04:46:12
Local clock offset: 0.283 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 137.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 137.242 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

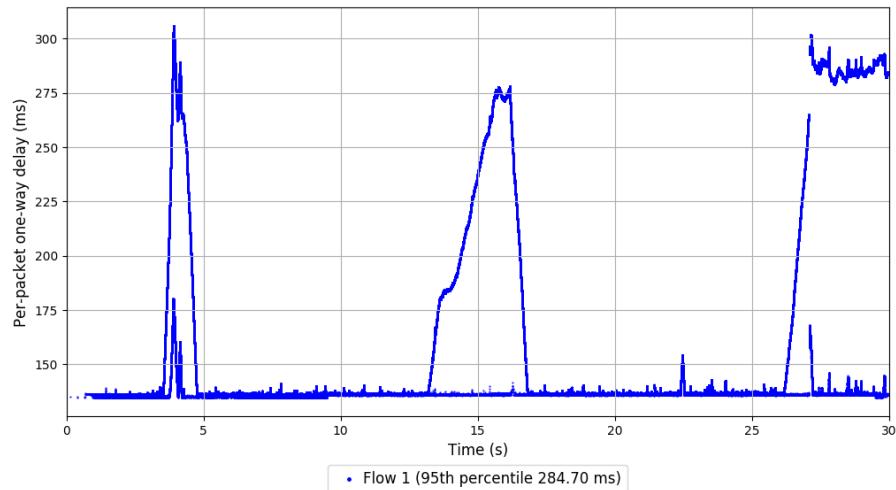
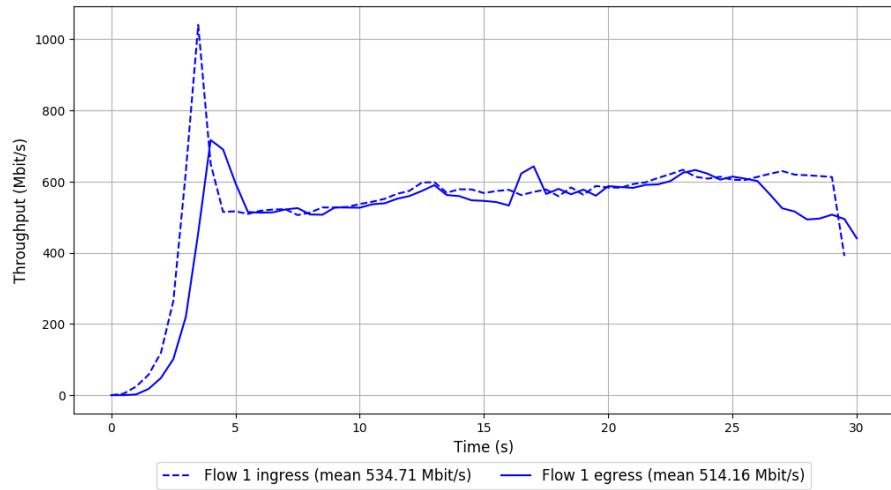


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-06 01:23:02
End at: 2018-06-06 01:23:32
Local clock offset: -0.213 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-06-06 05:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 514.16 Mbit/s
95th percentile per-packet one-way delay: 284.705 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 514.16 Mbit/s
95th percentile per-packet one-way delay: 284.705 ms
Loss rate: 3.84%
```

Run 1: Report of PCC-Allegro — Data Link

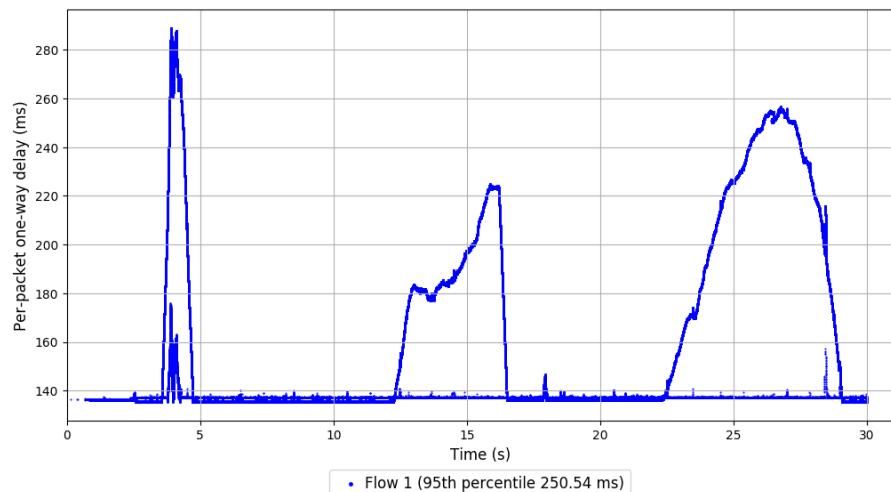
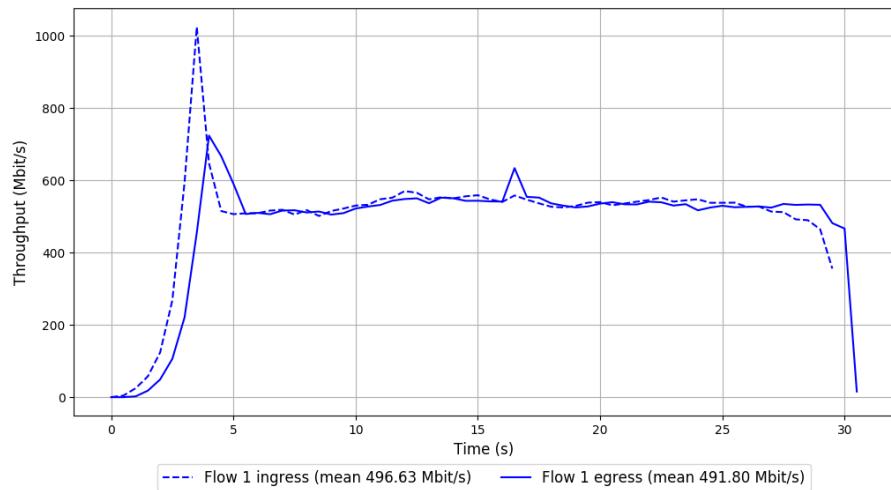


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-06 01:44:09
End at: 2018-06-06 01:44:39
Local clock offset: -0.152 ms
Remote clock offset: 0.332 ms

# Below is generated by plot.py at 2018-06-06 05:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 491.80 Mbit/s
95th percentile per-packet one-way delay: 250.542 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 491.80 Mbit/s
95th percentile per-packet one-way delay: 250.542 ms
Loss rate: 0.97%
```

Run 2: Report of PCC-Allegro — Data Link

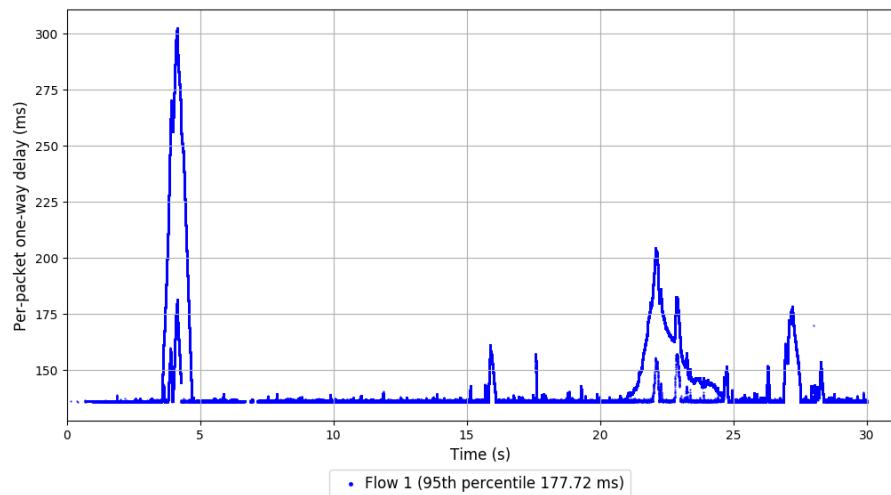
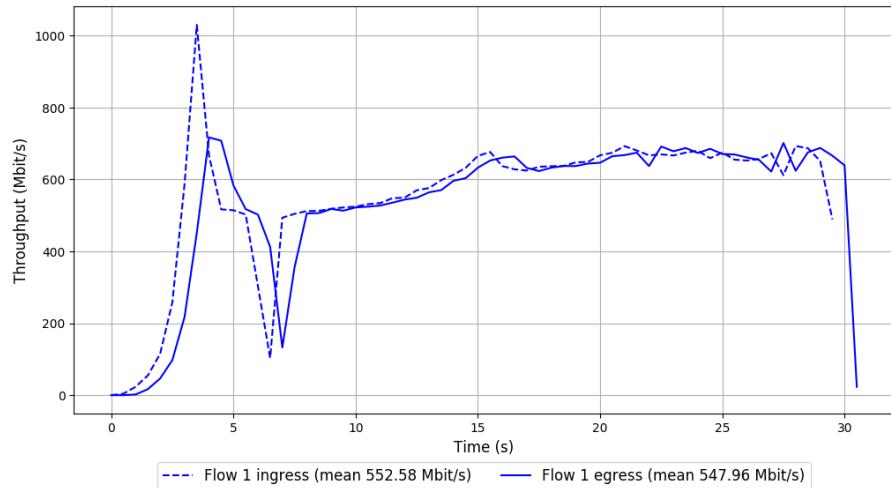


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-06 02:05:30
End at: 2018-06-06 02:06:00
Local clock offset: -0.07 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-06-06 05:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 547.96 Mbit/s
95th percentile per-packet one-way delay: 177.720 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 547.96 Mbit/s
95th percentile per-packet one-way delay: 177.720 ms
Loss rate: 0.84%
```

Run 3: Report of PCC-Allegro — Data Link

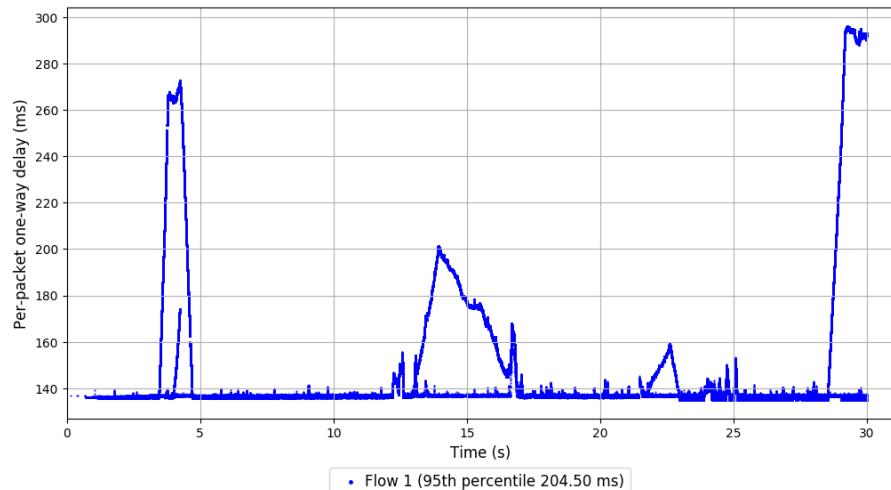
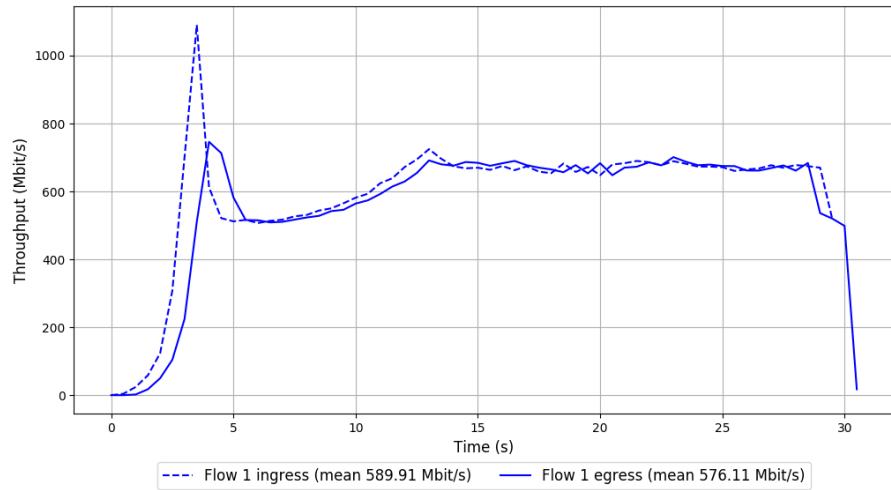


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-06 02:27:10
End at: 2018-06-06 02:27:40
Local clock offset: 0.051 ms
Remote clock offset: 0.333 ms

# Below is generated by plot.py at 2018-06-06 05:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 576.11 Mbit/s
95th percentile per-packet one-way delay: 204.503 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 576.11 Mbit/s
95th percentile per-packet one-way delay: 204.503 ms
Loss rate: 2.34%
```

Run 4: Report of PCC-Allegro — Data Link

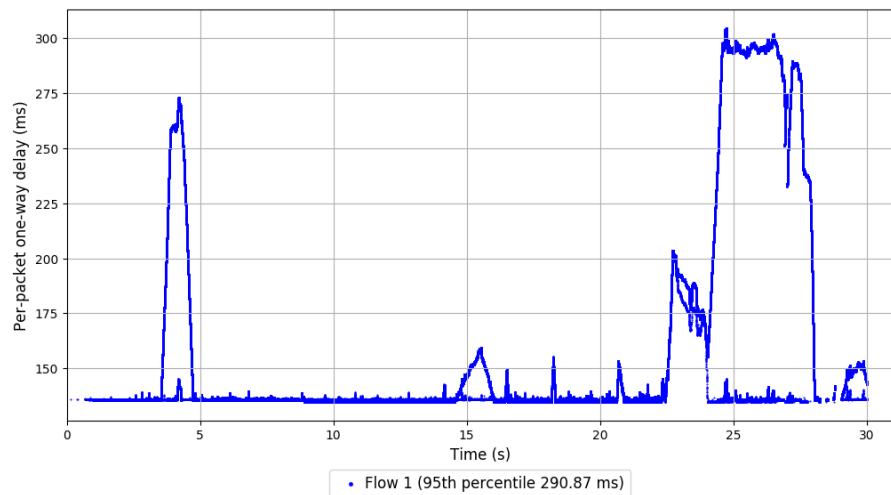
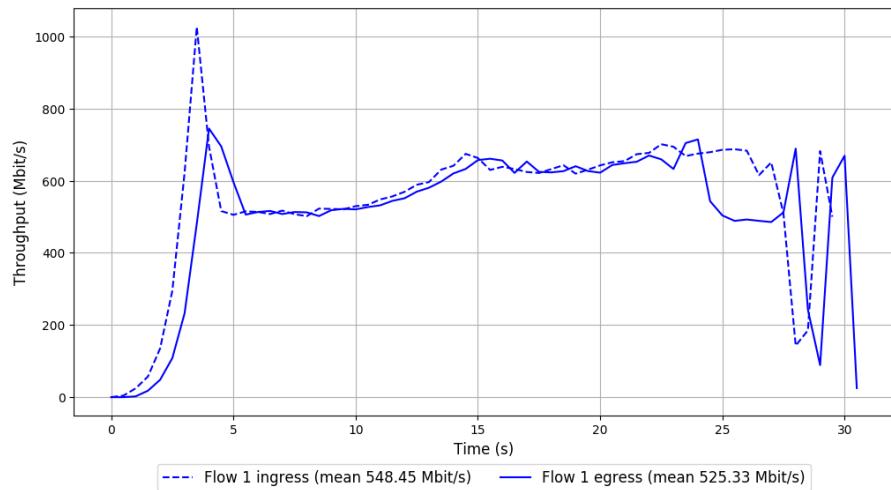


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-06 02:48:43
End at: 2018-06-06 02:49:13
Local clock offset: -0.092 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-06 05:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 525.33 Mbit/s
95th percentile per-packet one-way delay: 290.866 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 525.33 Mbit/s
95th percentile per-packet one-way delay: 290.866 ms
Loss rate: 4.21%
```

Run 5: Report of PCC-Allegro — Data Link

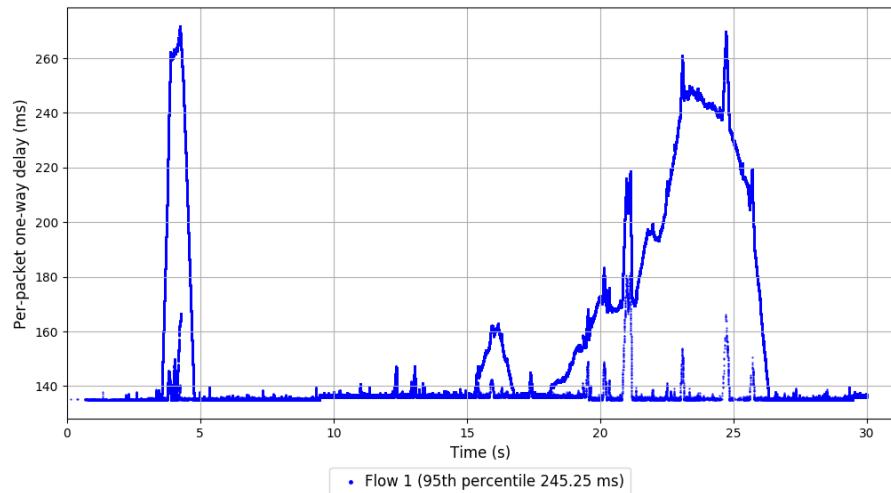
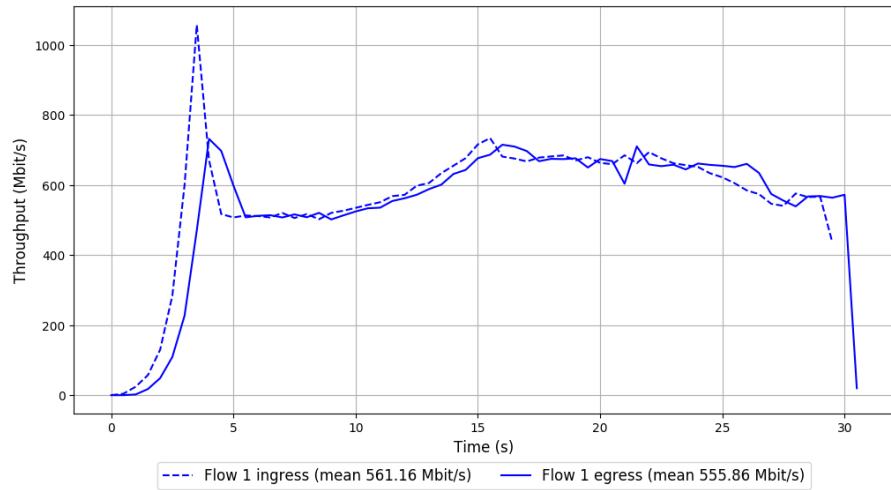


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-06 03:10:22
End at: 2018-06-06 03:10:52
Local clock offset: -0.227 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-06-06 05:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 555.86 Mbit/s
95th percentile per-packet one-way delay: 245.253 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 555.86 Mbit/s
95th percentile per-packet one-way delay: 245.253 ms
Loss rate: 0.94%
```

Run 6: Report of PCC-Allegro — Data Link

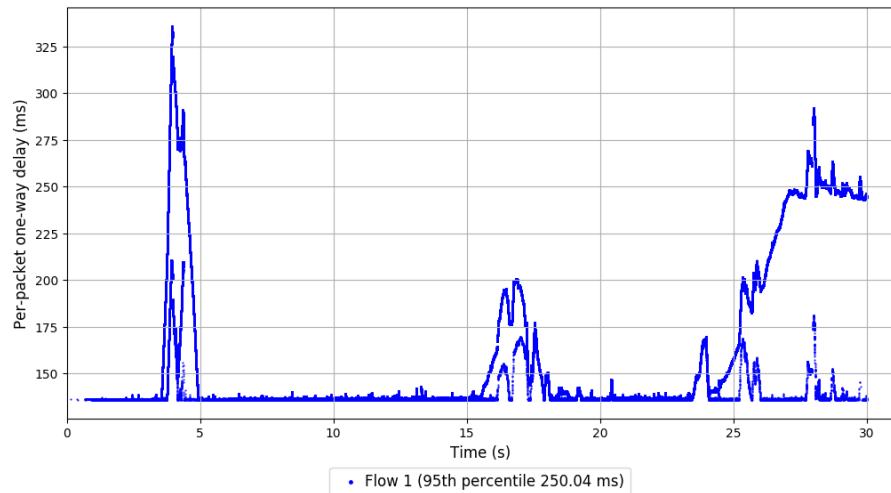
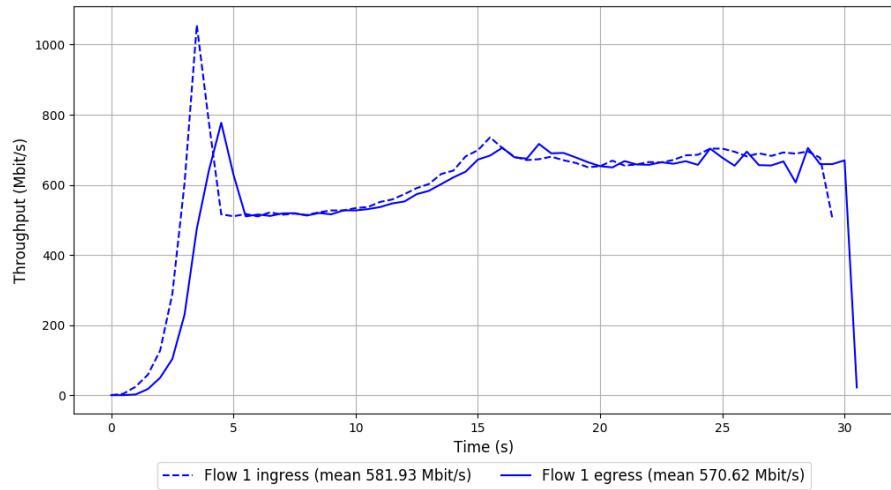


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-06 03:31:35
End at: 2018-06-06 03:32:05
Local clock offset: -0.079 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-06-06 05:44:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 570.62 Mbit/s
95th percentile per-packet one-way delay: 250.042 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 570.62 Mbit/s
95th percentile per-packet one-way delay: 250.042 ms
Loss rate: 1.94%
```

Run 7: Report of PCC-Allegro — Data Link

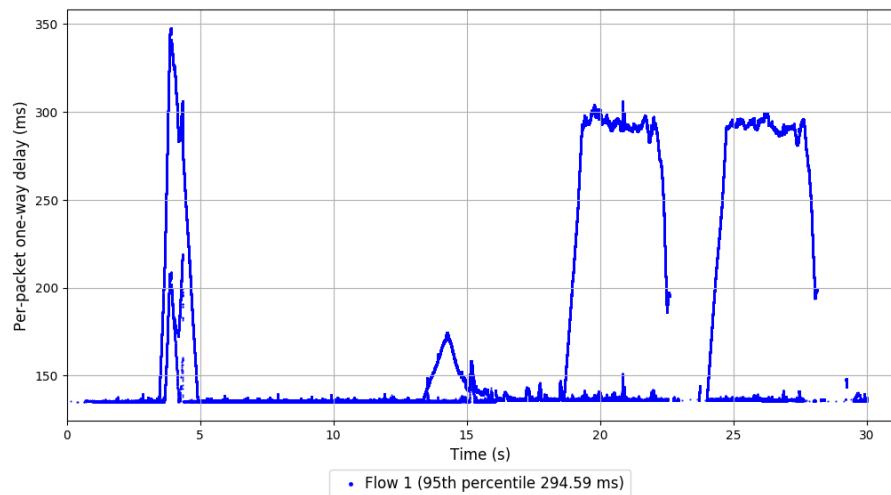
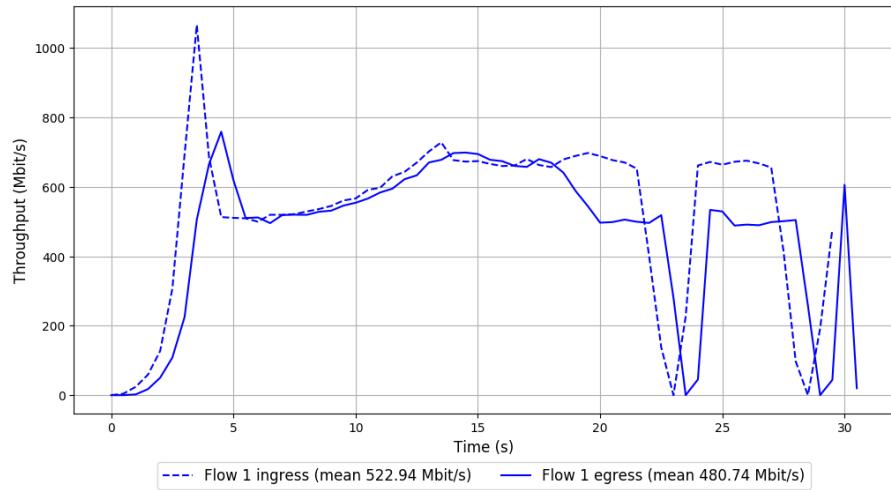


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-06 03:52:46
End at: 2018-06-06 03:53:16
Local clock offset: 0.281 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2018-06-06 05:44:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 480.74 Mbit/s
95th percentile per-packet one-way delay: 294.592 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 480.74 Mbit/s
95th percentile per-packet one-way delay: 294.592 ms
Loss rate: 8.07%
```

Run 8: Report of PCC-Allegro — Data Link

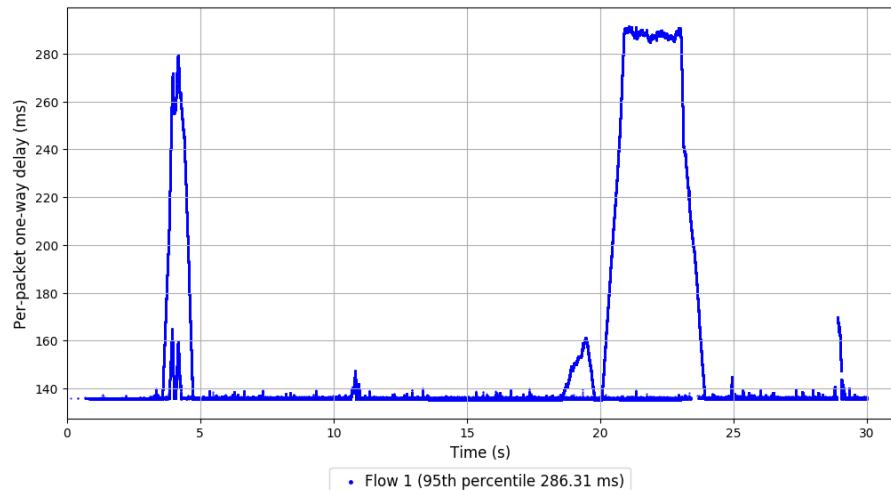
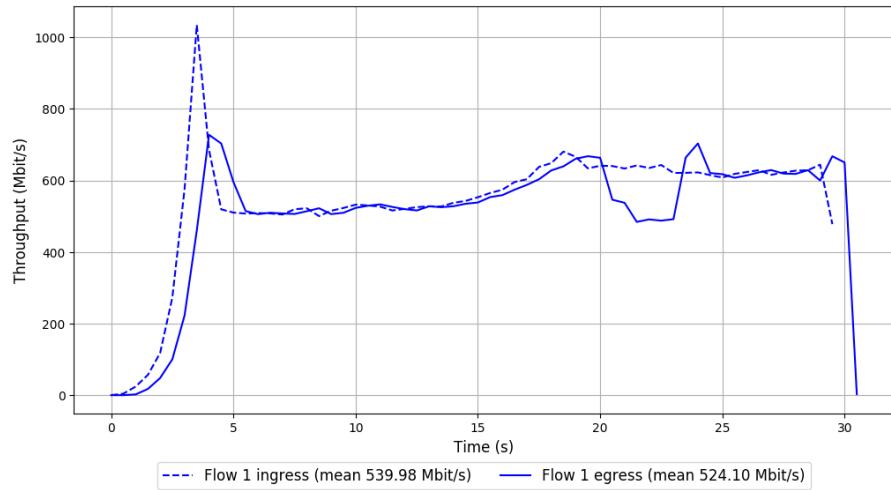


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-06 04:13:58
End at: 2018-06-06 04:14:28
Local clock offset: 0.283 ms
Remote clock offset: -0.496 ms

# Below is generated by plot.py at 2018-06-06 05:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 524.10 Mbit/s
95th percentile per-packet one-way delay: 286.308 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 524.10 Mbit/s
95th percentile per-packet one-way delay: 286.308 ms
Loss rate: 2.94%
```

Run 9: Report of PCC-Allegro — Data Link

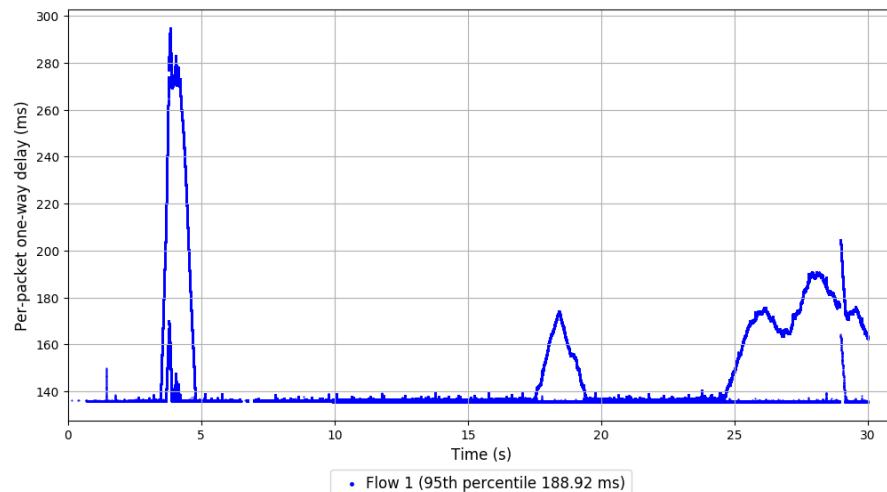
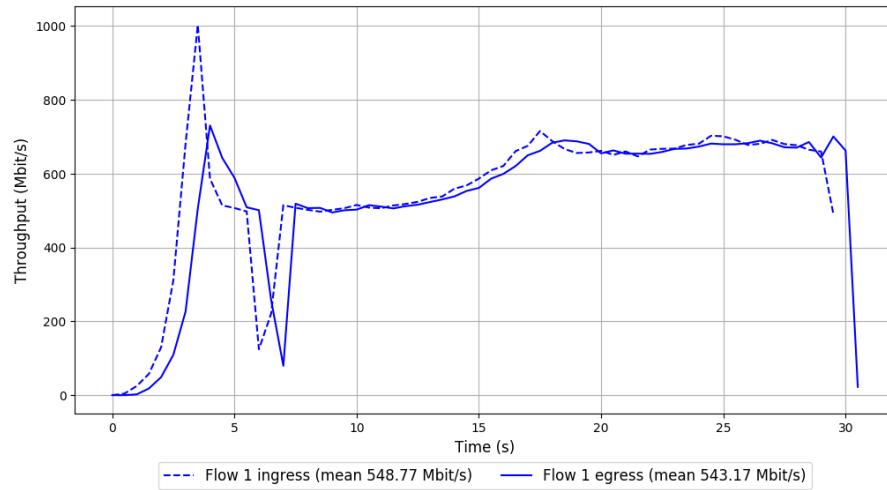


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-06 04:35:32
End at: 2018-06-06 04:36:02
Local clock offset: 0.016 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-06-06 05:45:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 543.17 Mbit/s
95th percentile per-packet one-way delay: 188.918 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 543.17 Mbit/s
95th percentile per-packet one-way delay: 188.918 ms
Loss rate: 1.02%
```

Run 10: Report of PCC-Allegro — Data Link

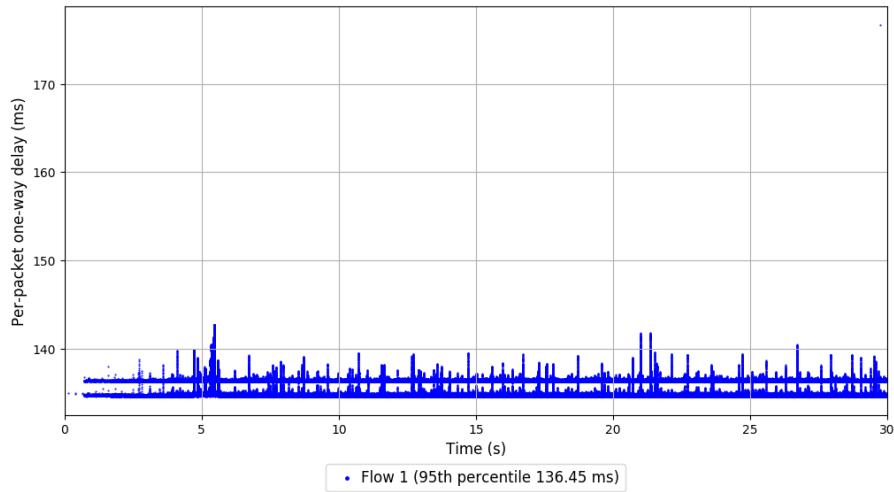
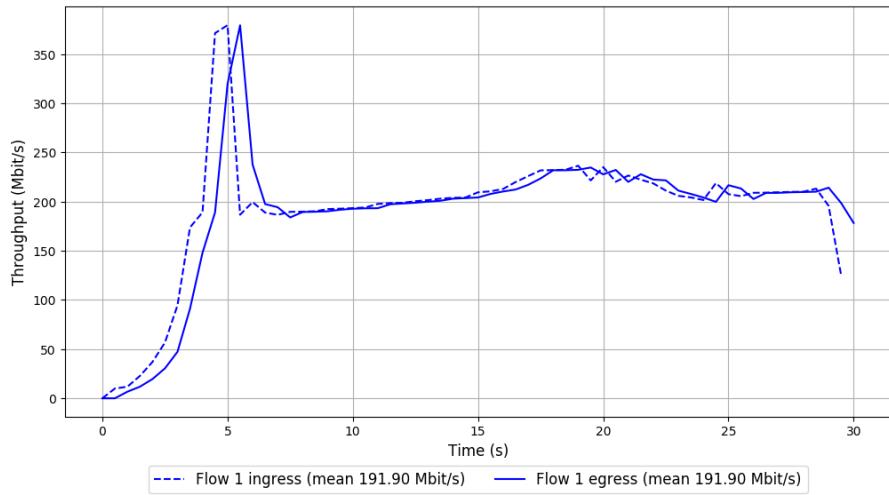


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-06 01:27:11
End at: 2018-06-06 01:27:41
Local clock offset: -0.134 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-06 05:45:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.90 Mbit/s
95th percentile per-packet one-way delay: 136.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.90 Mbit/s
95th percentile per-packet one-way delay: 136.446 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

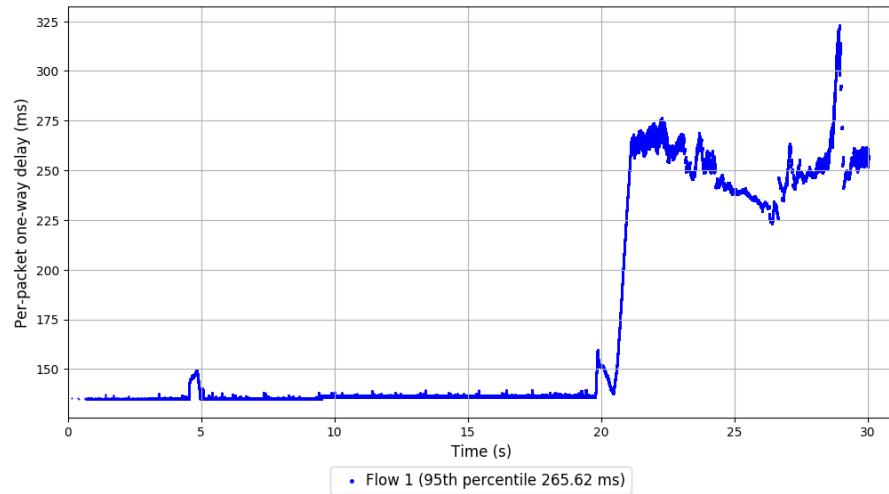
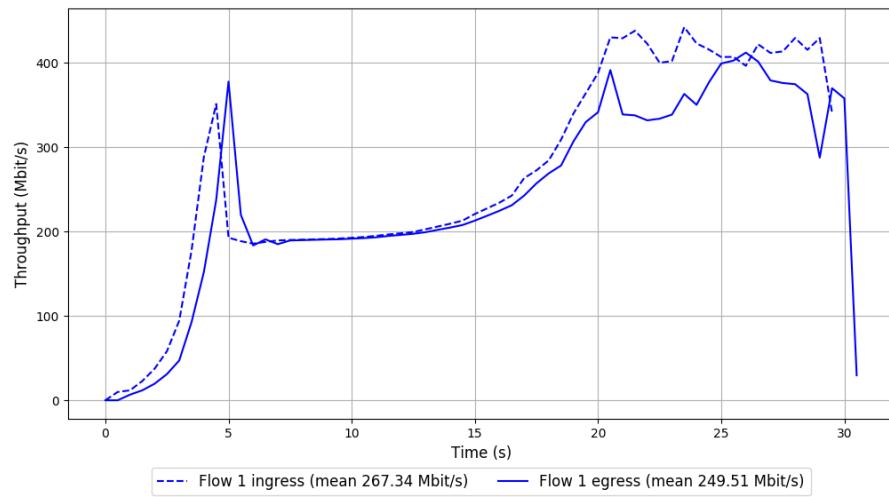


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-06 01:48:22
End at: 2018-06-06 01:48:52
Local clock offset: -0.203 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-06 05:45:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.51 Mbit/s
95th percentile per-packet one-way delay: 265.618 ms
Loss rate: 6.66%
-- Flow 1:
Average throughput: 249.51 Mbit/s
95th percentile per-packet one-way delay: 265.618 ms
Loss rate: 6.66%
```

Run 2: Report of PCC-Expr — Data Link

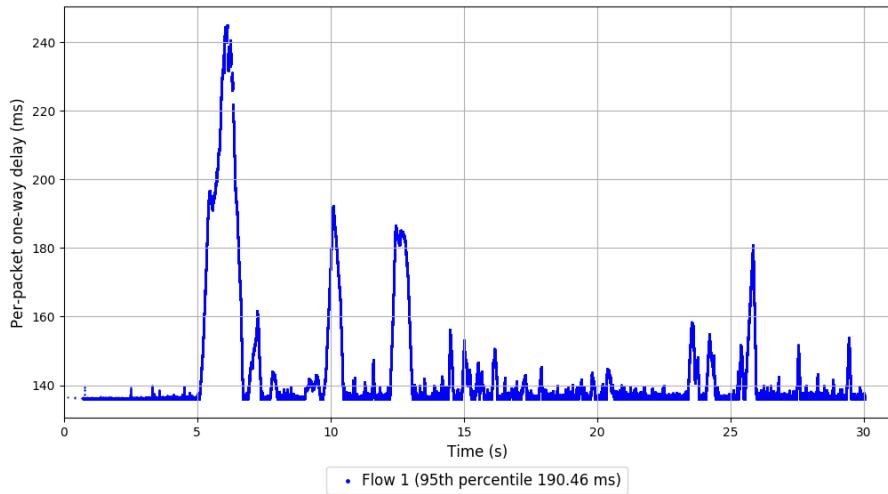
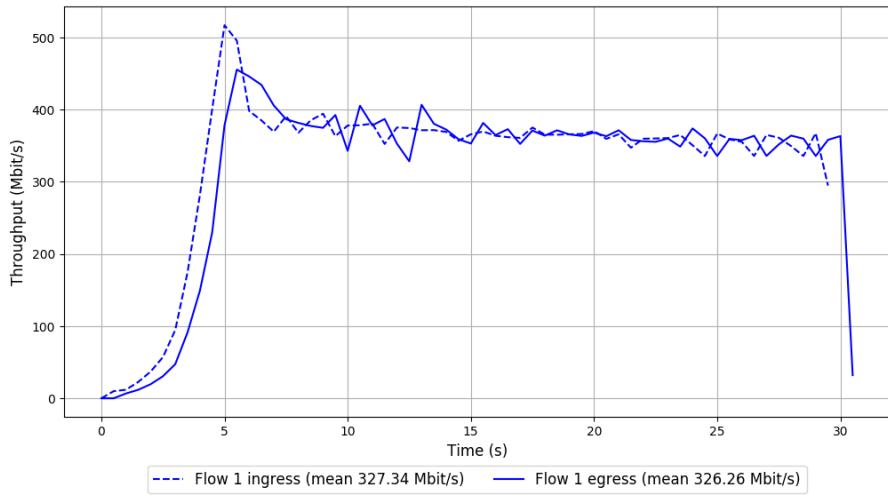


```
Run 3: Statistics of PCC-Expr
```

```
Start at: 2018-06-06 02:09:57
End at: 2018-06-06 02:10:27
Local clock offset: 0.009 ms
Remote clock offset: 0.363 ms

# Below is generated by plot.py at 2018-06-06 05:47:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 326.26 Mbit/s
95th percentile per-packet one-way delay: 190.462 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 326.26 Mbit/s
95th percentile per-packet one-way delay: 190.462 ms
Loss rate: 0.33%
```

Run 3: Report of PCC-Expr — Data Link

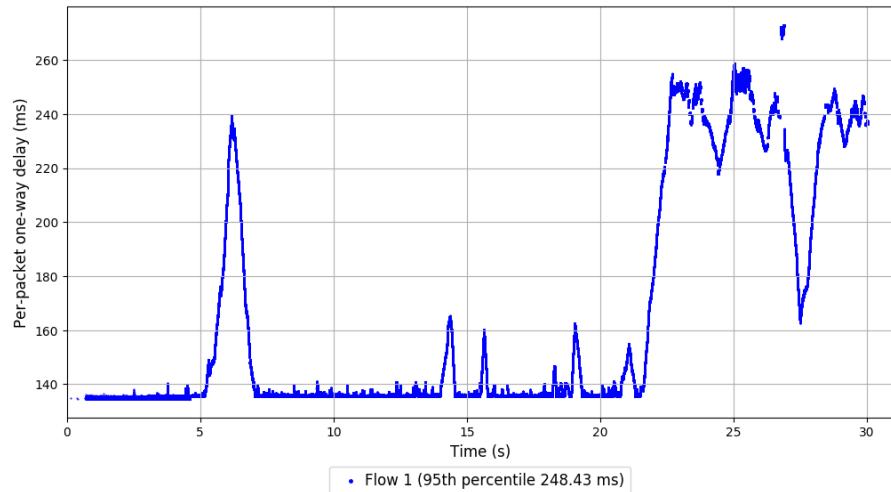
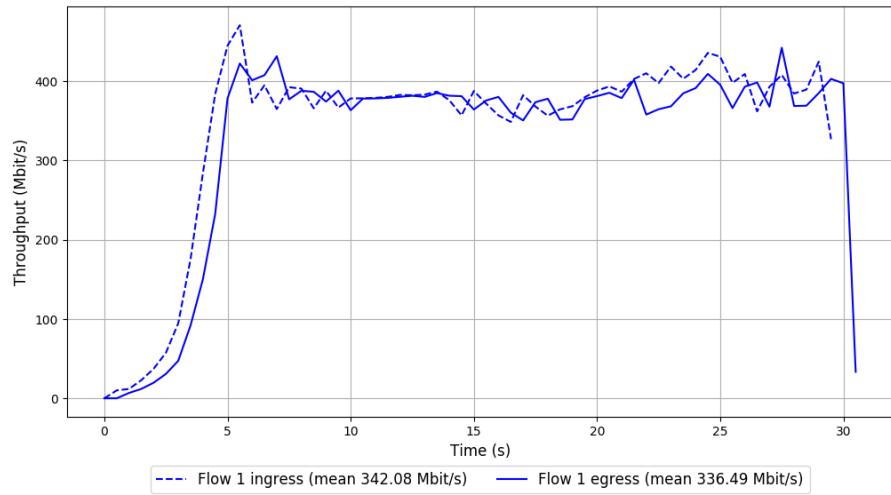


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-06 02:31:27
End at: 2018-06-06 02:31:57
Local clock offset: 0.097 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-06 05:49:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 336.49 Mbit/s
95th percentile per-packet one-way delay: 248.429 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 336.49 Mbit/s
95th percentile per-packet one-way delay: 248.429 ms
Loss rate: 1.63%
```

Run 4: Report of PCC-Expr — Data Link

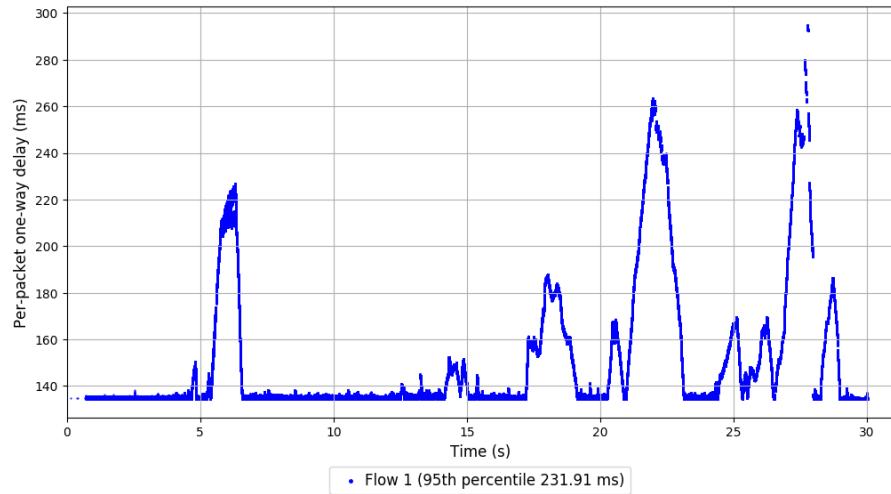
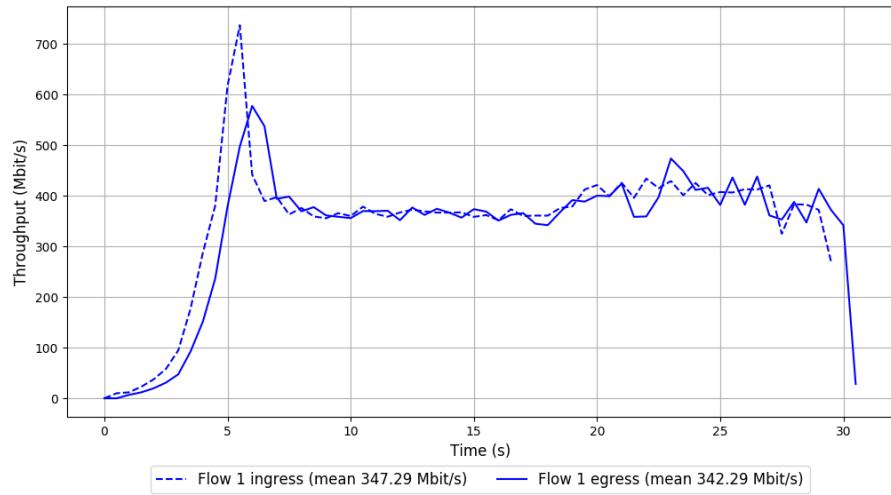


```
Run 5: Statistics of PCC-Expr
```

```
Start at: 2018-06-06 02:53:05
End at: 2018-06-06 02:53:35
Local clock offset: 0.187 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-06-06 05:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 342.29 Mbit/s
95th percentile per-packet one-way delay: 231.907 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 342.29 Mbit/s
95th percentile per-packet one-way delay: 231.907 ms
Loss rate: 1.44%
```

Run 5: Report of PCC-Expr — Data Link

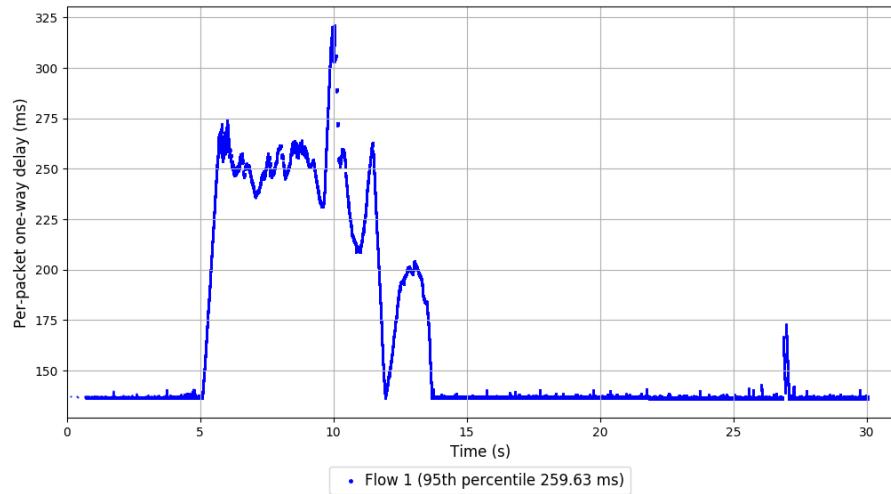
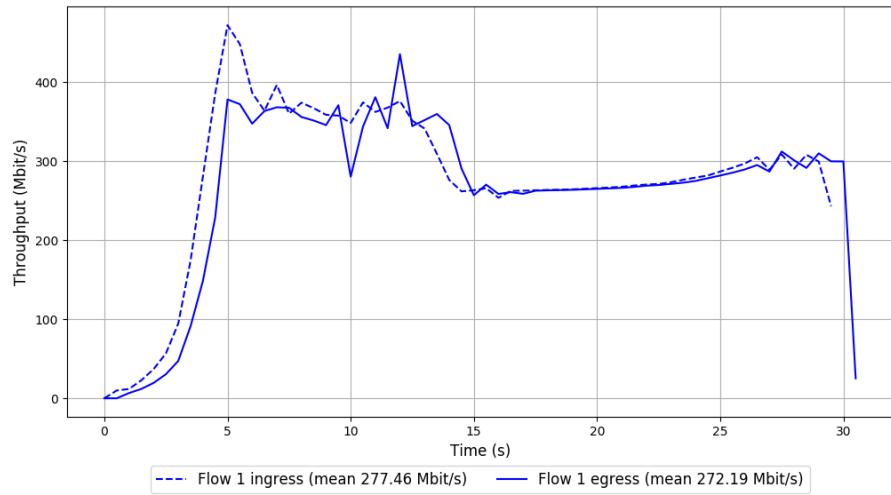


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-06 03:14:30
End at: 2018-06-06 03:15:00
Local clock offset: -0.18 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2018-06-06 05:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.19 Mbit/s
95th percentile per-packet one-way delay: 259.633 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 272.19 Mbit/s
95th percentile per-packet one-way delay: 259.633 ms
Loss rate: 1.90%
```

Run 6: Report of PCC-Expr — Data Link

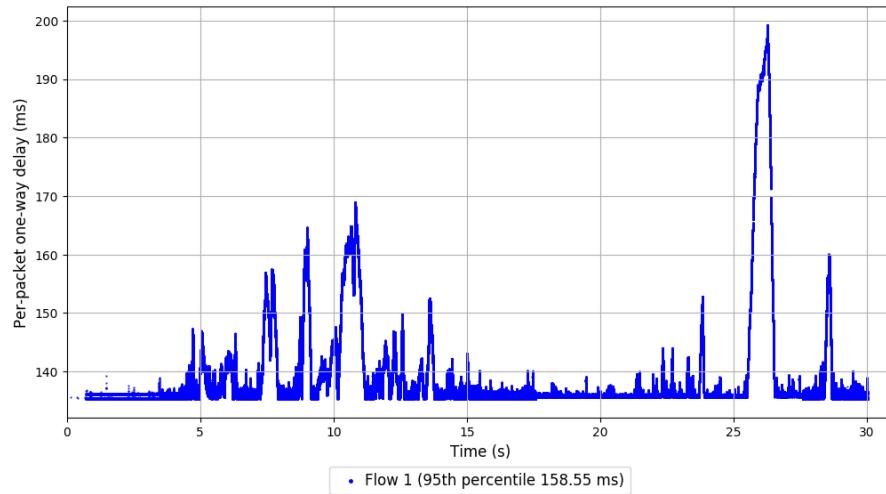
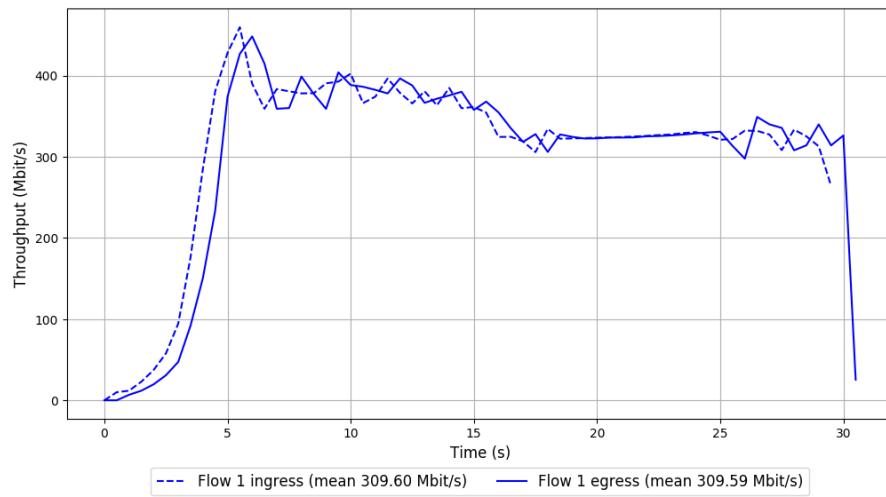


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-06 03:35:54
End at: 2018-06-06 03:36:24
Local clock offset: 0.208 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-06 05:54:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.59 Mbit/s
95th percentile per-packet one-way delay: 158.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.59 Mbit/s
95th percentile per-packet one-way delay: 158.554 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Expr — Data Link

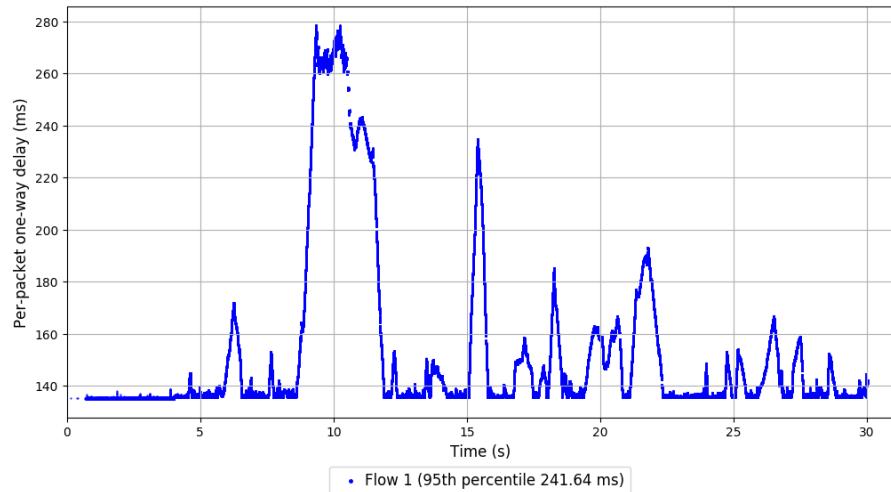
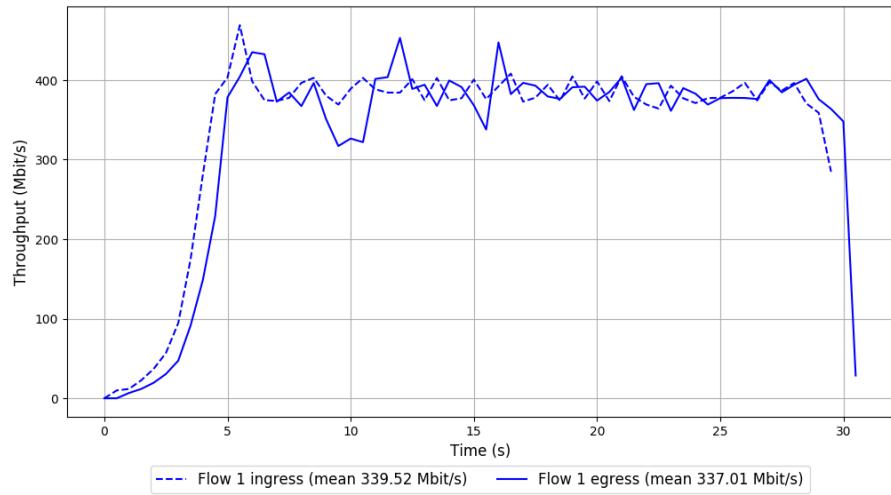


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-06 03:57:08
End at: 2018-06-06 03:57:38
Local clock offset: 0.133 ms
Remote clock offset: -0.468 ms

# Below is generated by plot.py at 2018-06-06 05:55:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.01 Mbit/s
95th percentile per-packet one-way delay: 241.644 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 337.01 Mbit/s
95th percentile per-packet one-way delay: 241.644 ms
Loss rate: 0.74%
```

Run 8: Report of PCC-Expr — Data Link

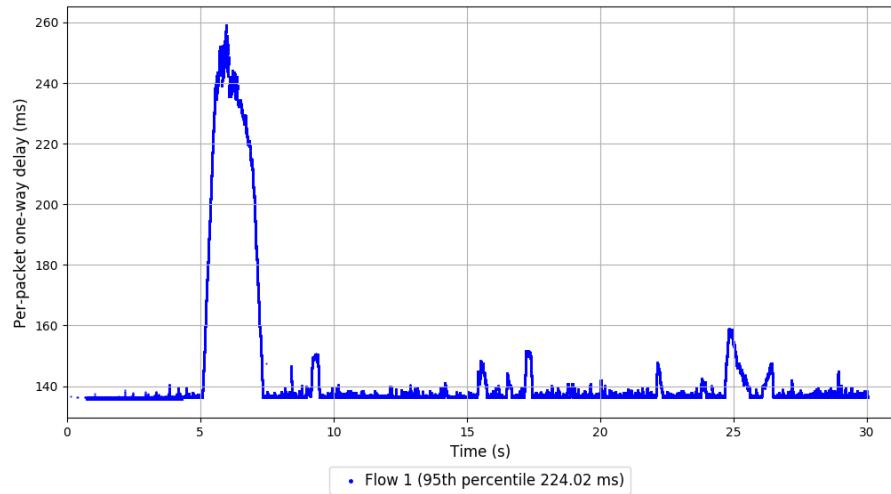
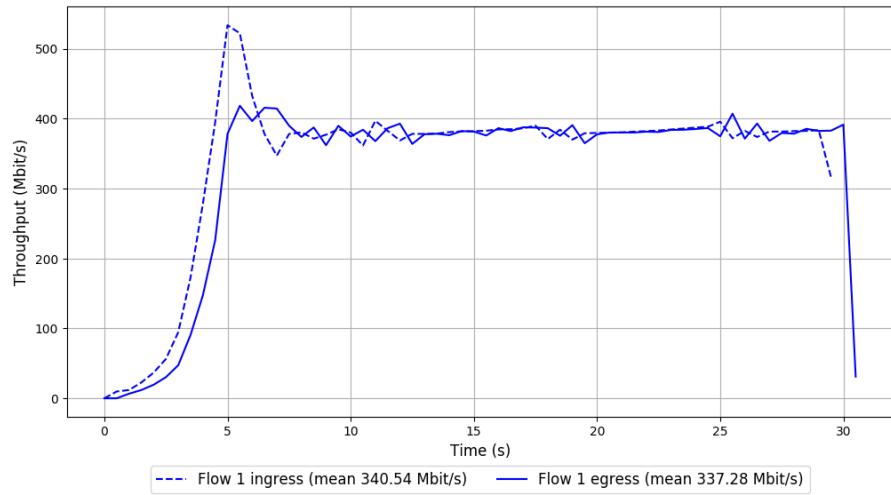


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-06 04:18:18
End at: 2018-06-06 04:18:48
Local clock offset: 0.037 ms
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.28 Mbit/s
95th percentile per-packet one-way delay: 224.021 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 337.28 Mbit/s
95th percentile per-packet one-way delay: 224.021 ms
Loss rate: 0.96%
```

Run 9: Report of PCC-Expr — Data Link

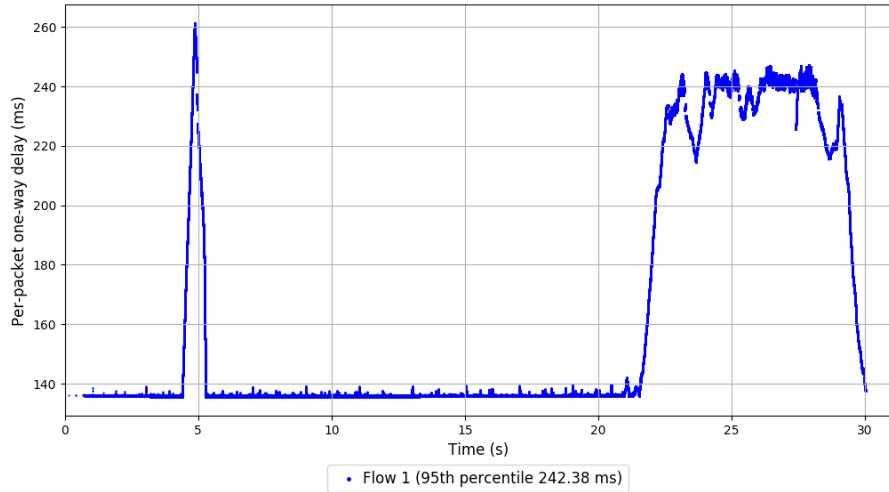
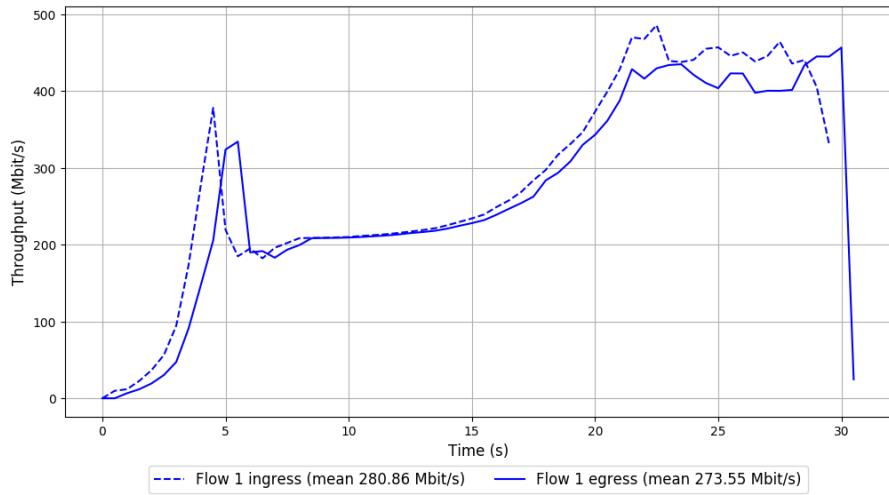


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-06 04:39:59
End at: 2018-06-06 04:40:29
Local clock offset: 0.212 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.55 Mbit/s
95th percentile per-packet one-way delay: 242.384 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 273.55 Mbit/s
95th percentile per-packet one-way delay: 242.384 ms
Loss rate: 2.61%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

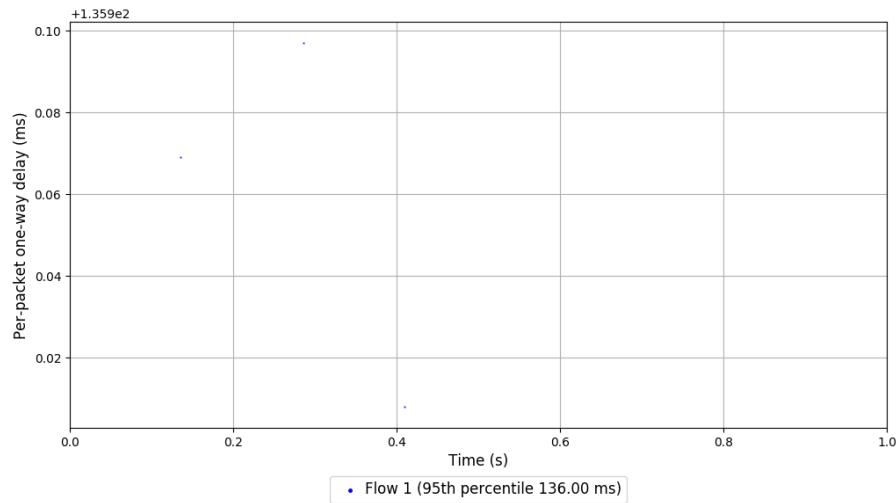
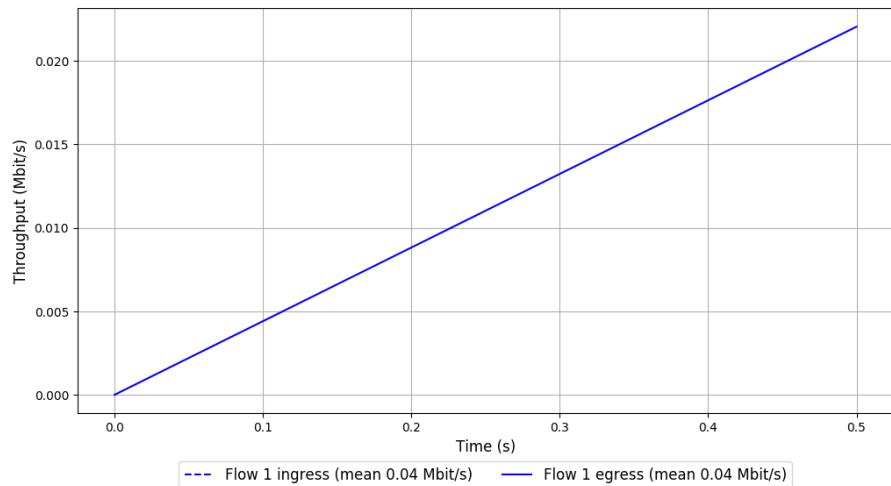
Start at: 2018-06-06 01:19:37

End at: 2018-06-06 01:20:07

Local clock offset: 0.13 ms

Remote clock offset: -0.373 ms

Run 1: Report of QUIC Cubic — Data Link

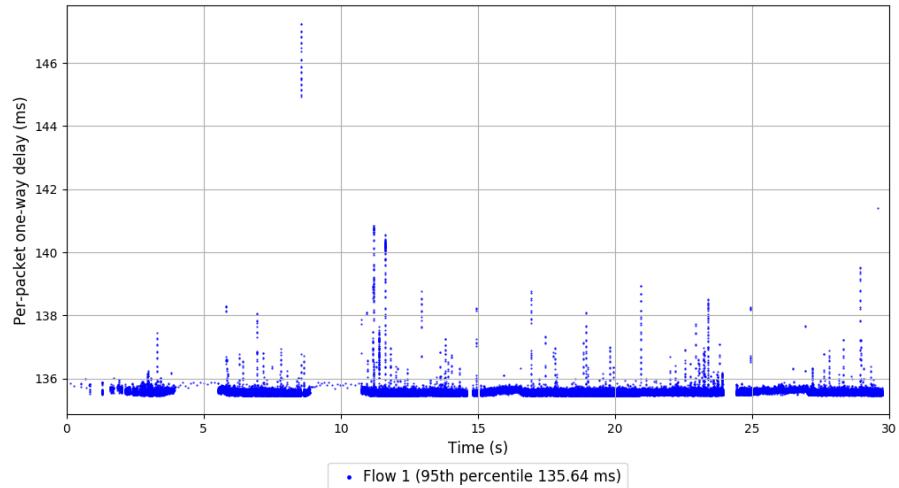
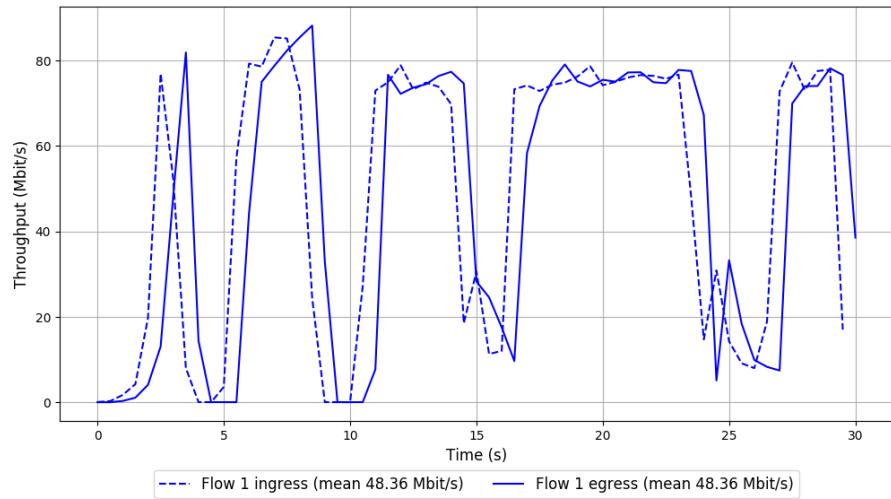


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-06 01:40:40
End at: 2018-06-06 01:41:10
Local clock offset: 0.183 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 135.643 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 135.643 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

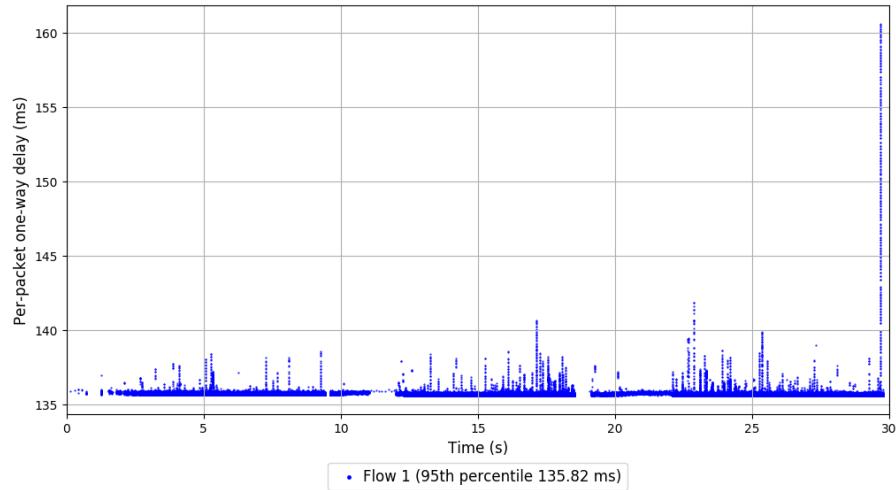
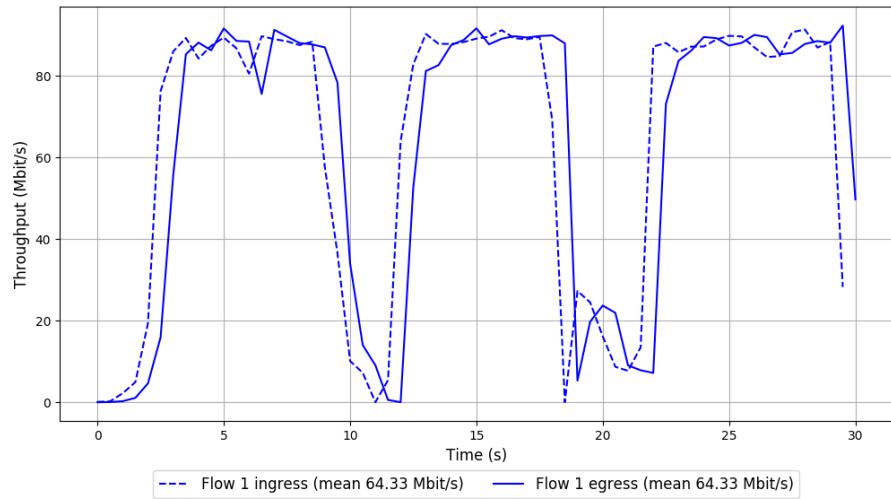


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-06 02:02:00
End at: 2018-06-06 02:02:30
Local clock offset: -0.025 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.33 Mbit/s
95th percentile per-packet one-way delay: 135.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.33 Mbit/s
95th percentile per-packet one-way delay: 135.816 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

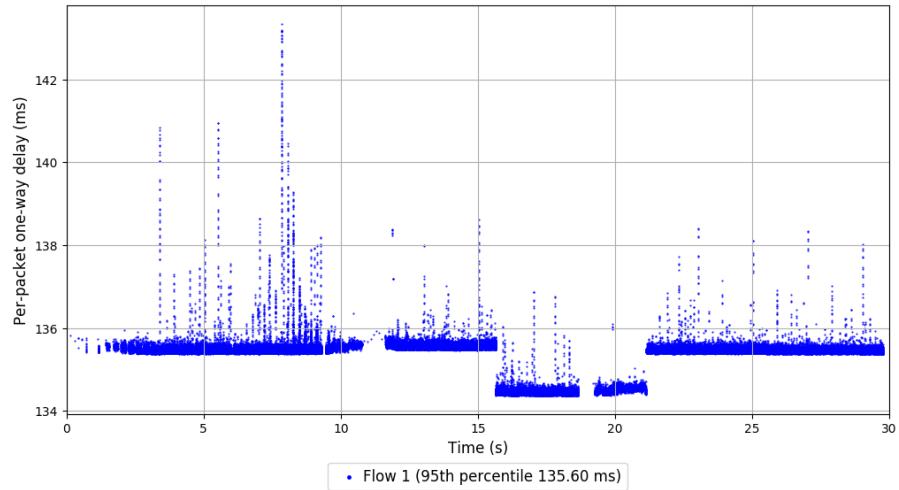
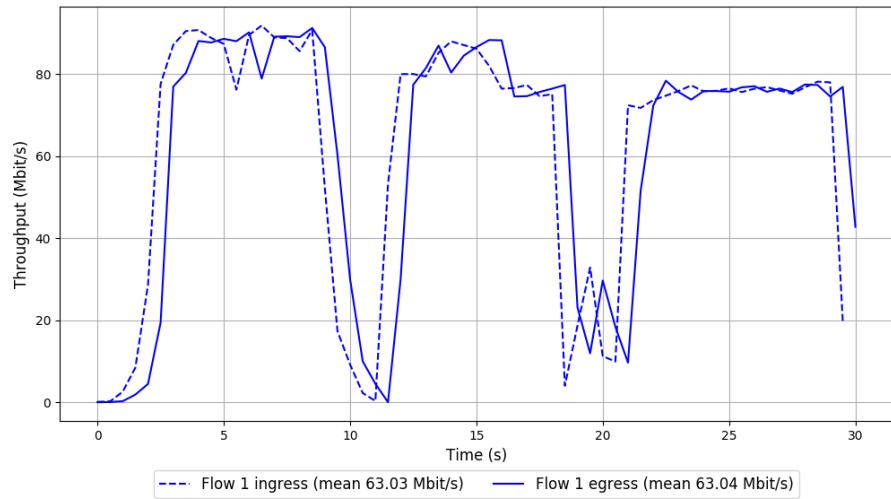


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-06 02:23:40
End at: 2018-06-06 02:24:10
Local clock offset: 0.231 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.04 Mbit/s
95th percentile per-packet one-way delay: 135.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.04 Mbit/s
95th percentile per-packet one-way delay: 135.605 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

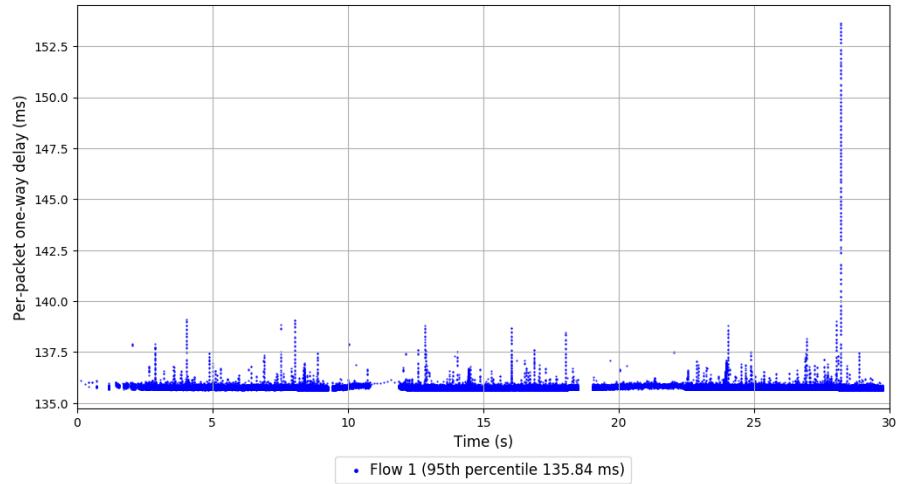
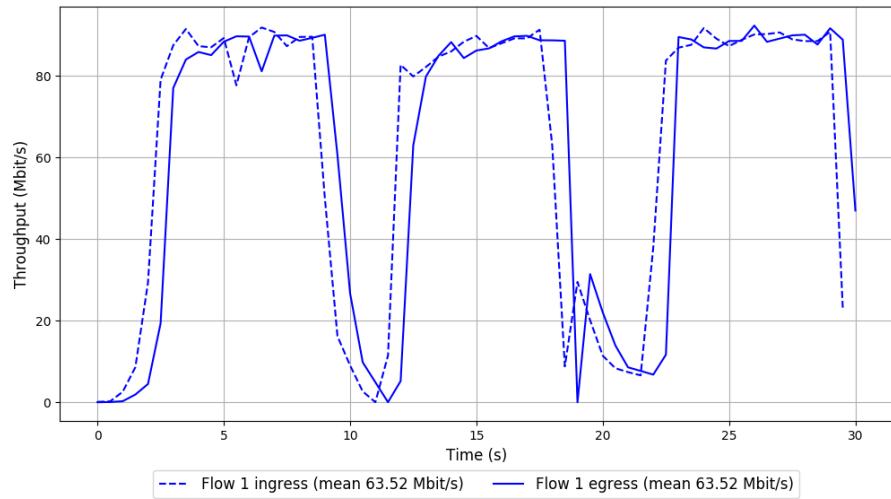


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-06 02:45:13
End at: 2018-06-06 02:45:43
Local clock offset: 0.292 ms
Remote clock offset: 0.33 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.52 Mbit/s
95th percentile per-packet one-way delay: 135.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.52 Mbit/s
95th percentile per-packet one-way delay: 135.843 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

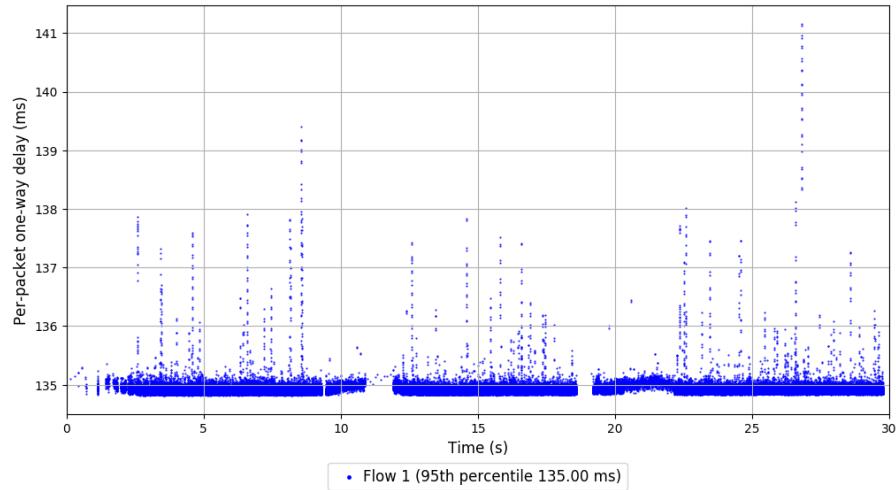
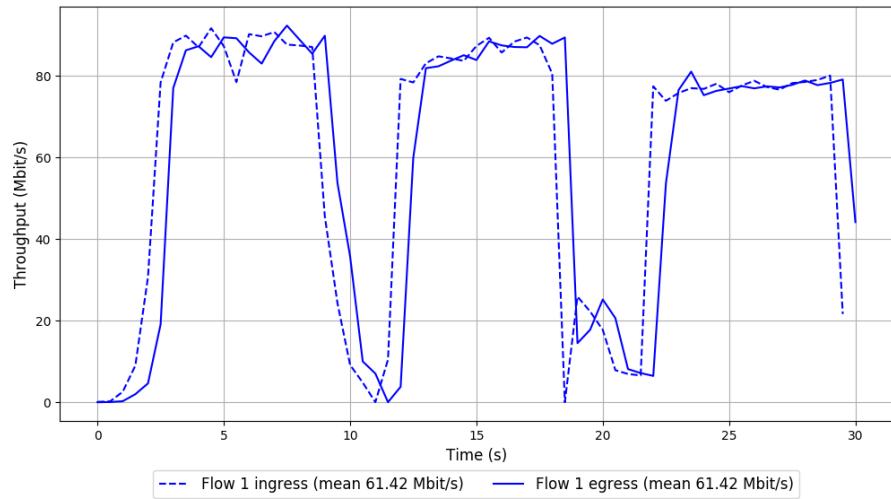


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-06 03:06:53
End at: 2018-06-06 03:07:23
Local clock offset: -0.085 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.42 Mbit/s
95th percentile per-packet one-way delay: 135.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.42 Mbit/s
95th percentile per-packet one-way delay: 135.000 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

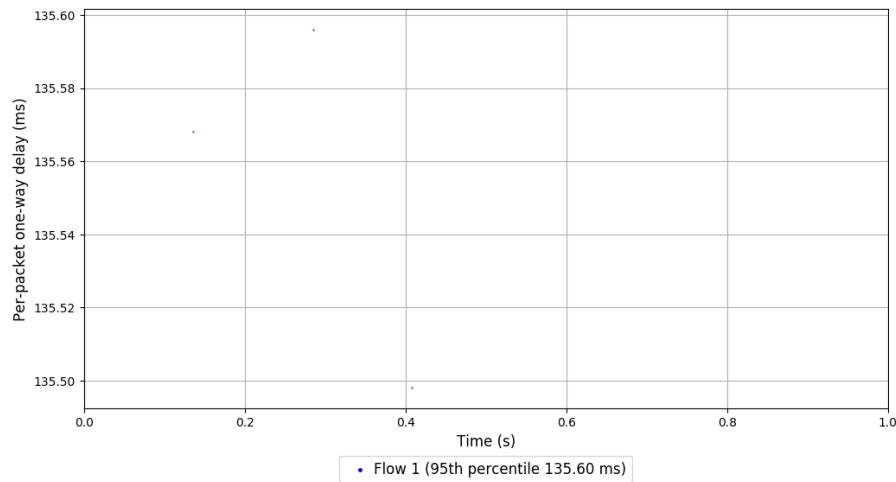
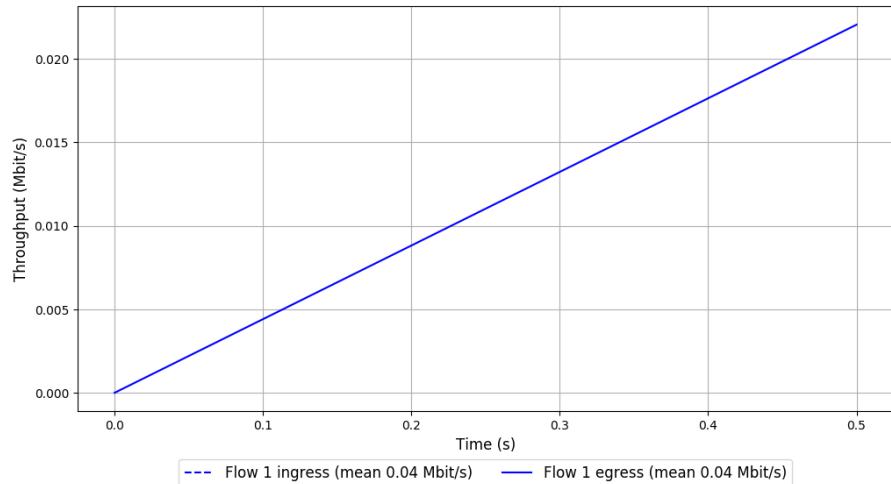
Start at: 2018-06-06 03:28:10

End at: 2018-06-06 03:28:40

Local clock offset: 0.037 ms

Remote clock offset: -0.473 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

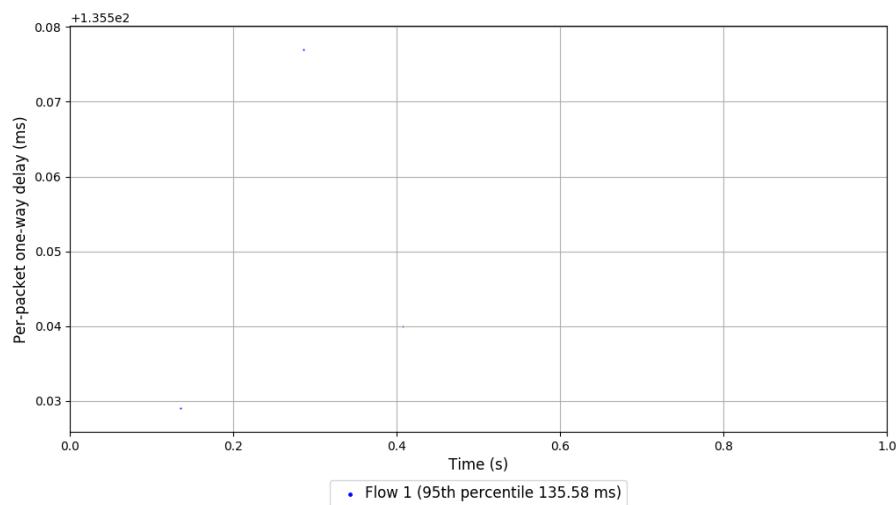
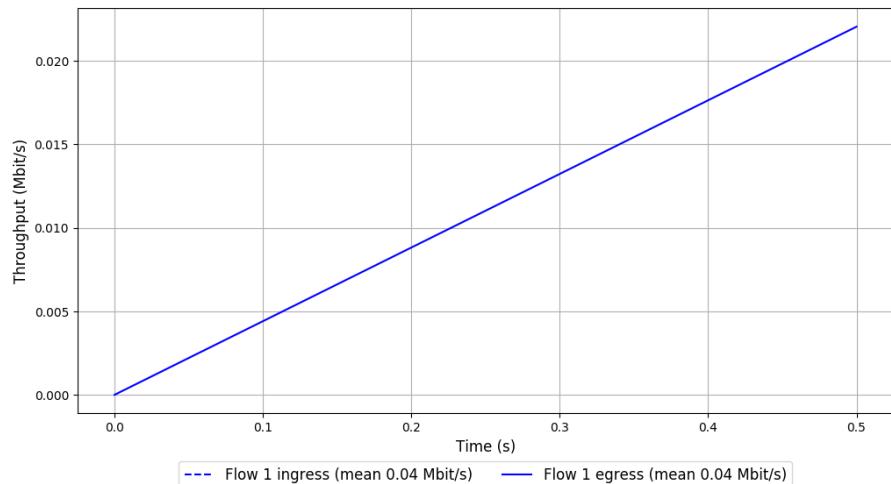
Start at: 2018-06-06 03:49:21

End at: 2018-06-06 03:49:51

Local clock offset: -0.081 ms

Remote clock offset: -0.067 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

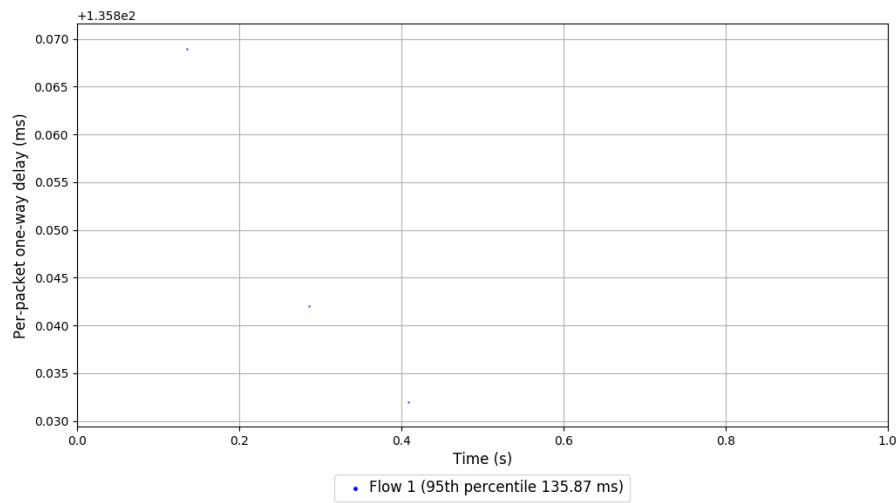
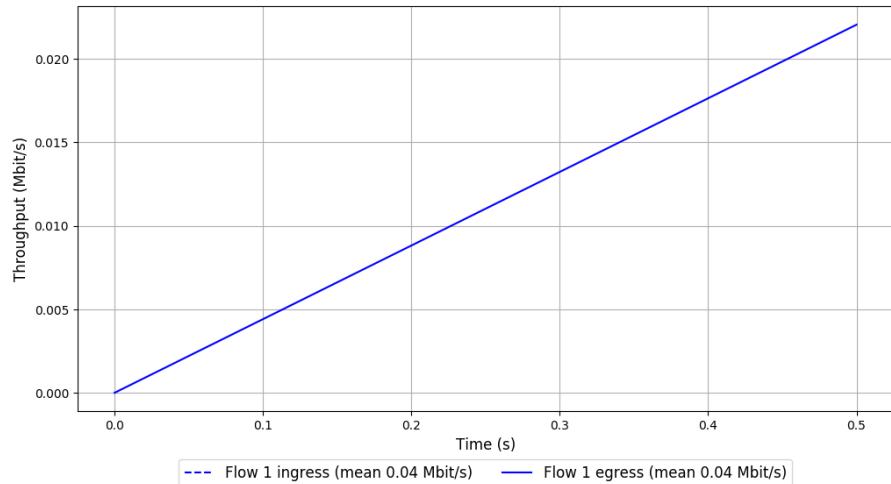
Start at: 2018-06-06 04:10:33

End at: 2018-06-06 04:11:04

Local clock offset: 0.37 ms

Remote clock offset: -0.099 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

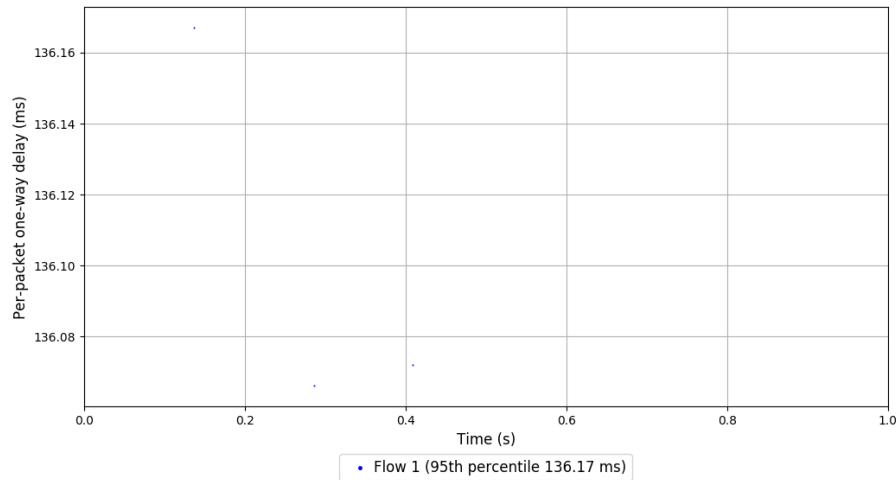
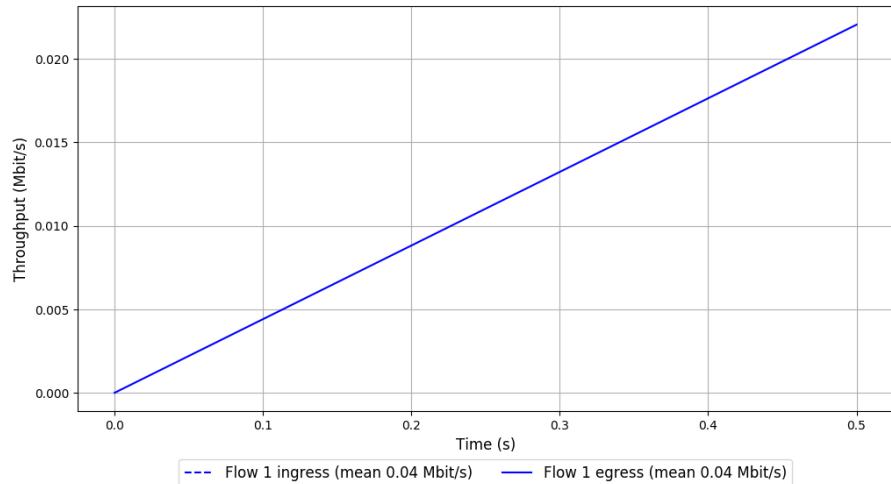
Start at: 2018-06-06 04:32:07

End at: 2018-06-06 04:32:37

Local clock offset: 0.006 ms

Remote clock offset: -0.039 ms

Run 10: Report of QUIC Cubic — Data Link

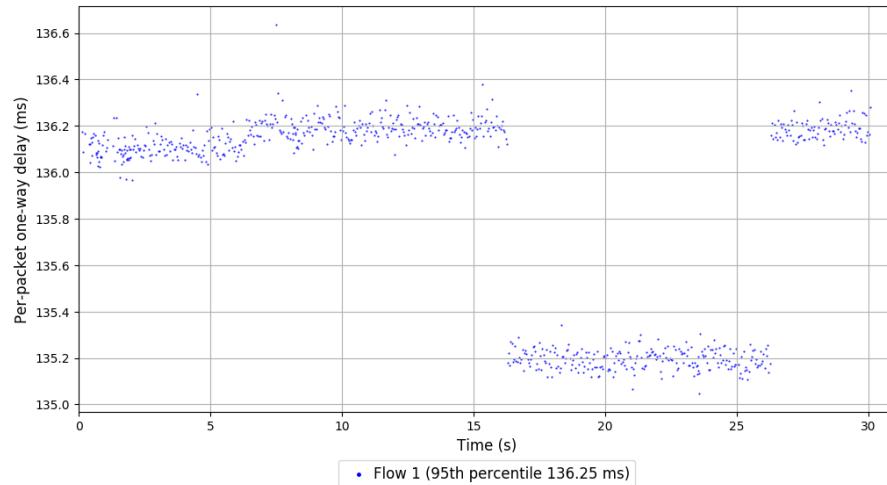
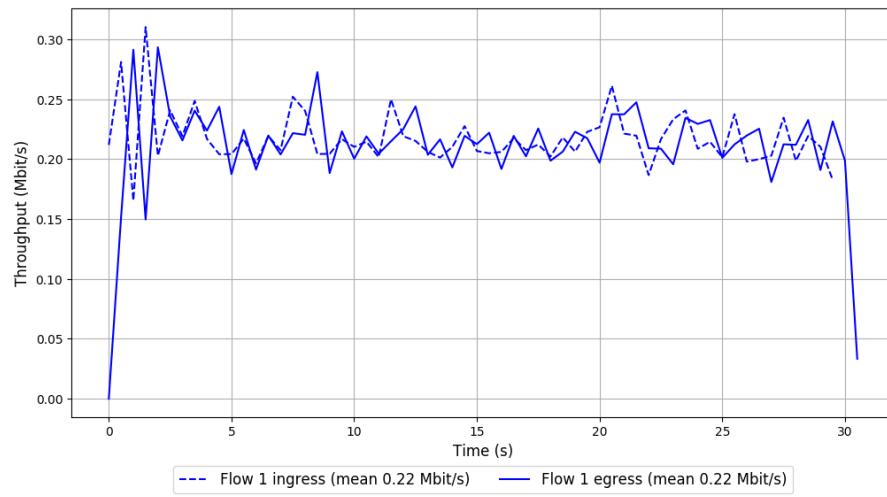


Run 1: Statistics of SCReAM

```
Start at: 2018-06-06 01:20:46
End at: 2018-06-06 01:21:16
Local clock offset: -0.111 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.247 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

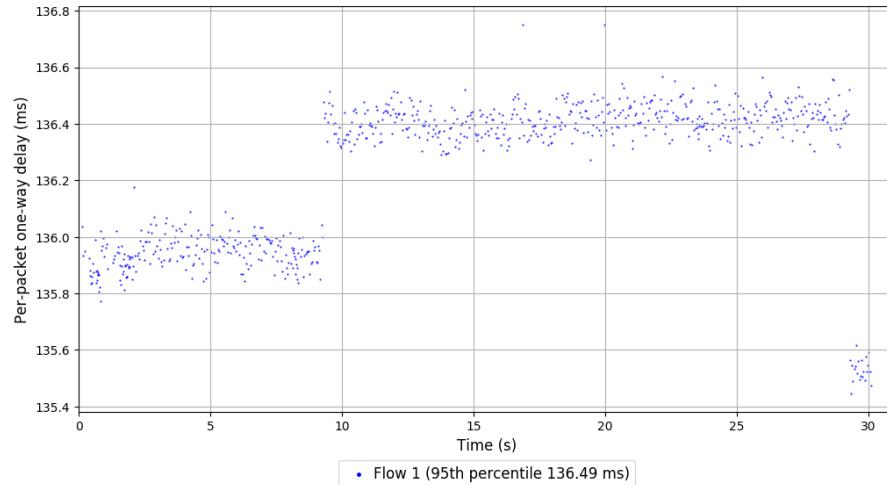
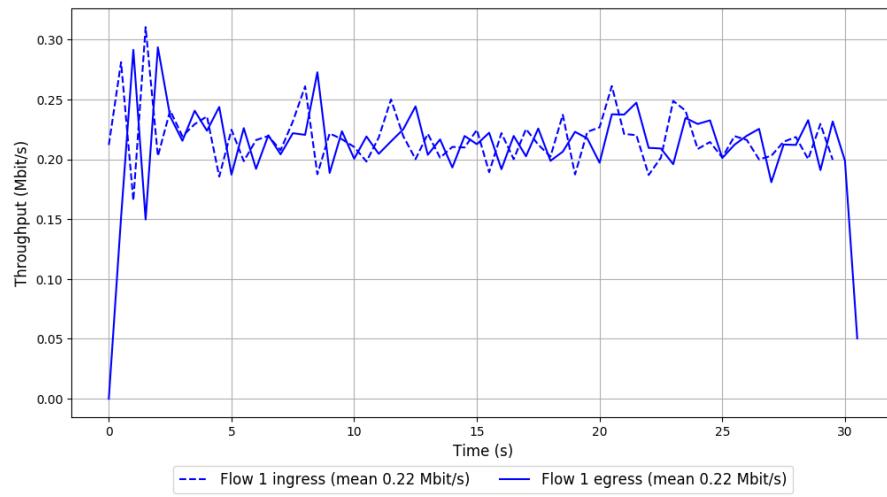


Run 2: Statistics of SCReAM

```
Start at: 2018-06-06 01:41:53
End at: 2018-06-06 01:42:23
Local clock offset: -0.437 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.492 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

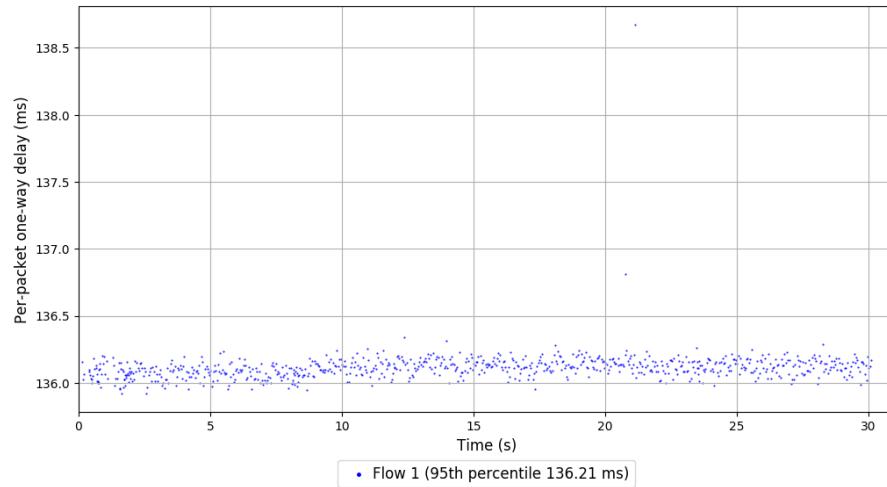
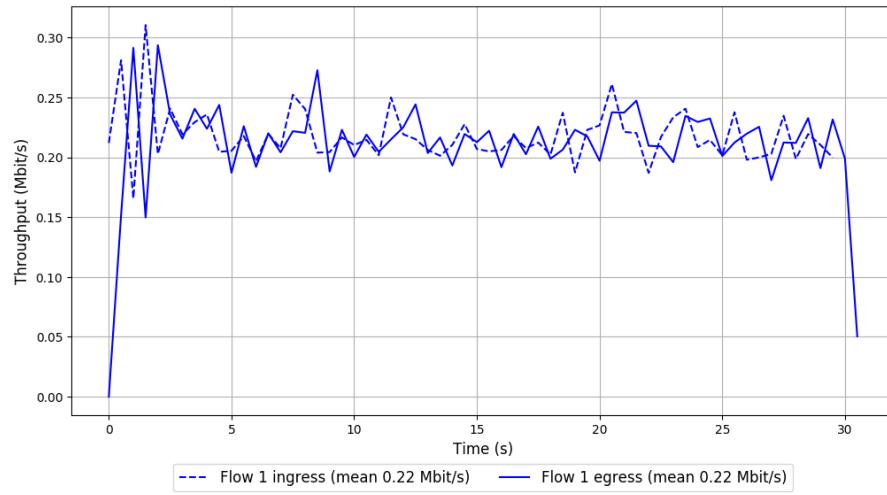


Run 3: Statistics of SCReAM

```
Start at: 2018-06-06 02:03:13
End at: 2018-06-06 02:03:43
Local clock offset: 0.02 ms
Remote clock offset: -0.411 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.208 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

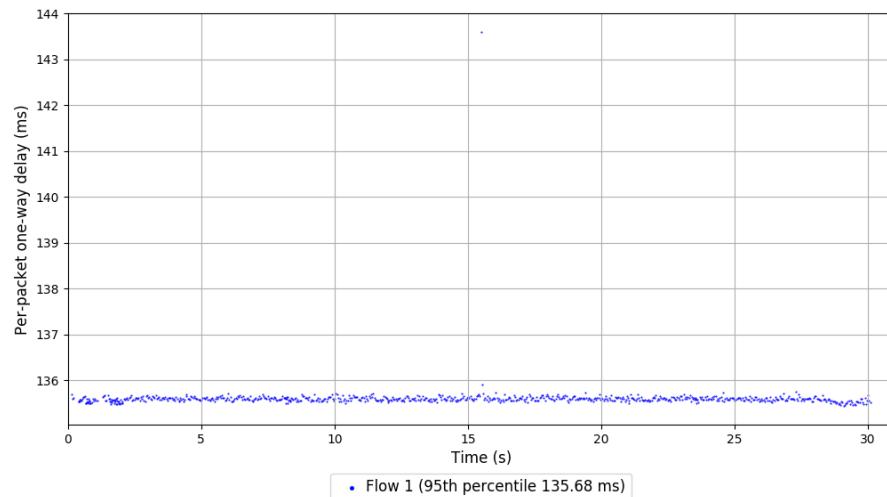
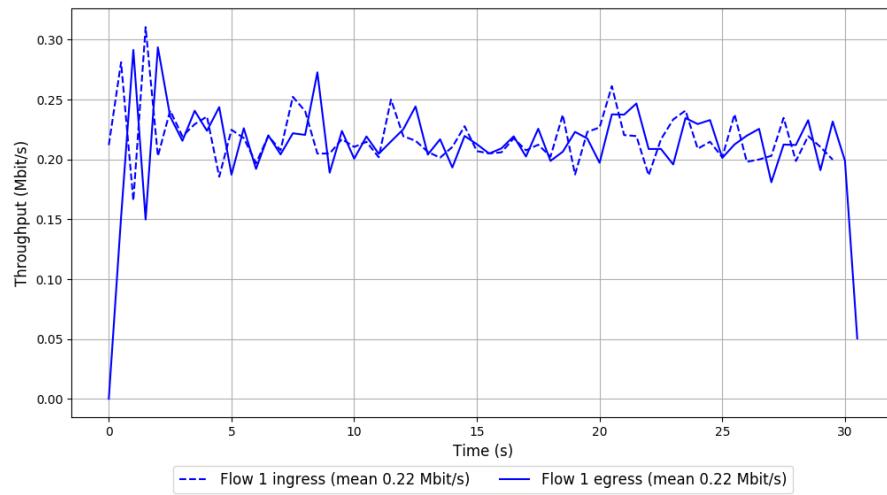


Run 4: Statistics of SCReAM

```
Start at: 2018-06-06 02:24:53
End at: 2018-06-06 02:25:23
Local clock offset: -0.207 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.677 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

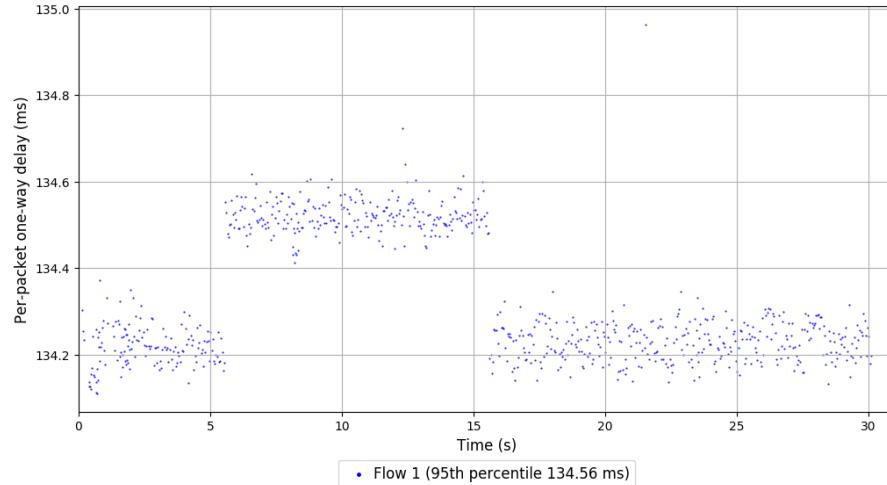
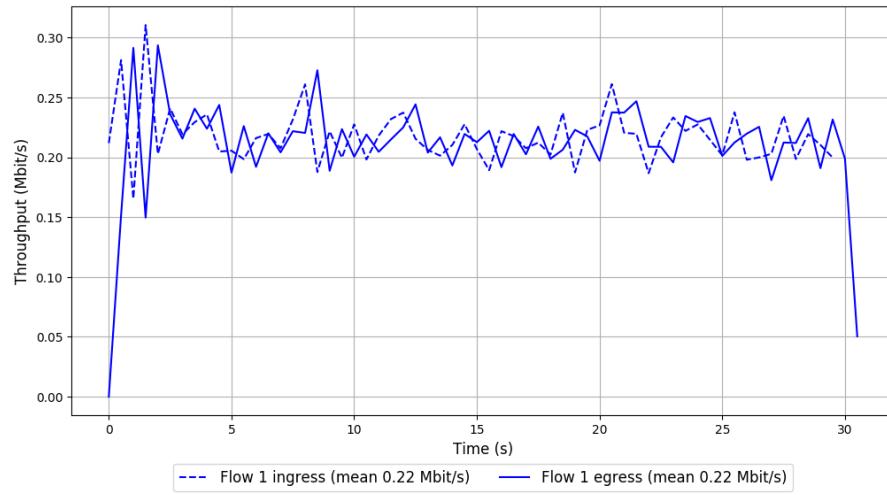


Run 5: Statistics of SCReAM

```
Start at: 2018-06-06 02:46:26
End at: 2018-06-06 02:46:56
Local clock offset: -0.101 ms
Remote clock offset: -0.479 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.559 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

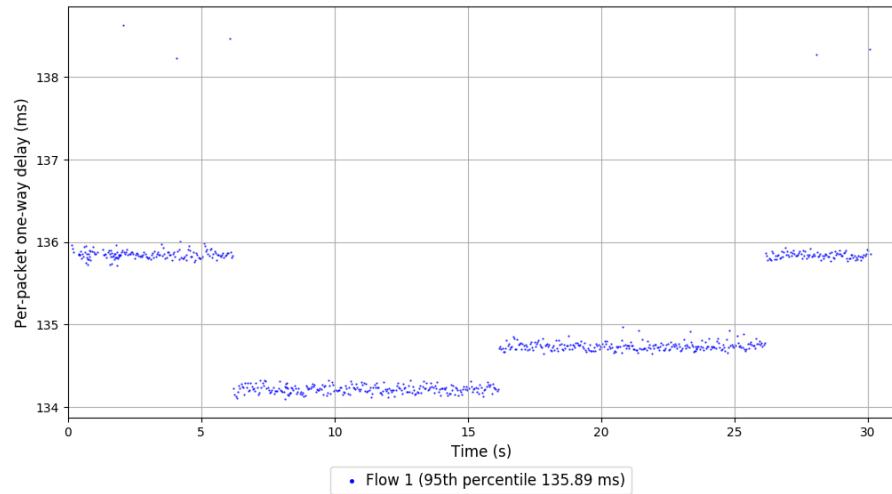
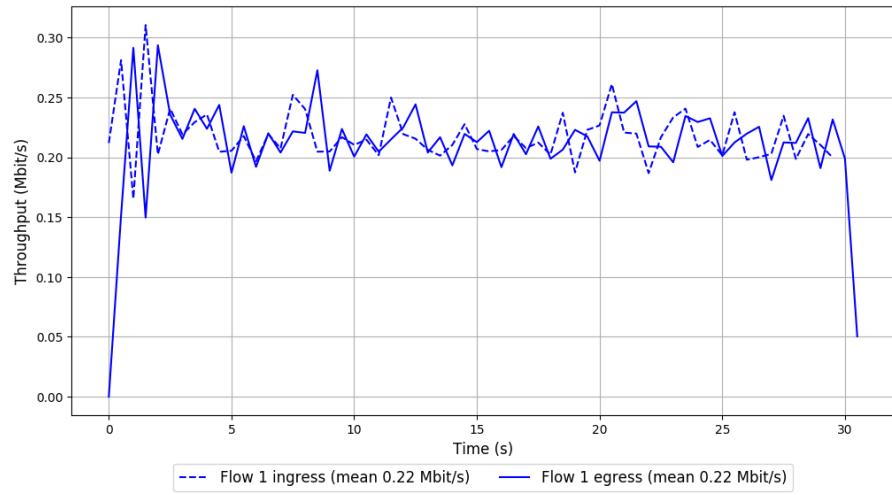


Run 6: Statistics of SCReAM

```
Start at: 2018-06-06 03:08:06
End at: 2018-06-06 03:08:36
Local clock offset: 0.32 ms
Remote clock offset: -0.48 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.890 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

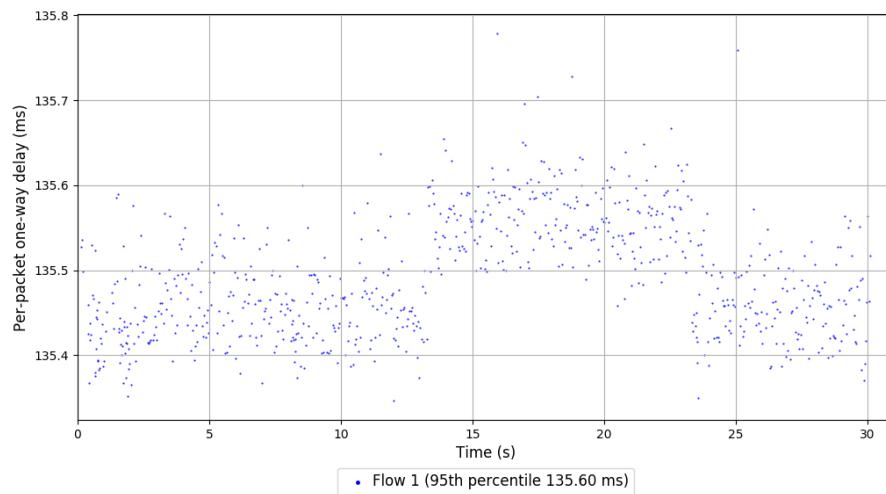
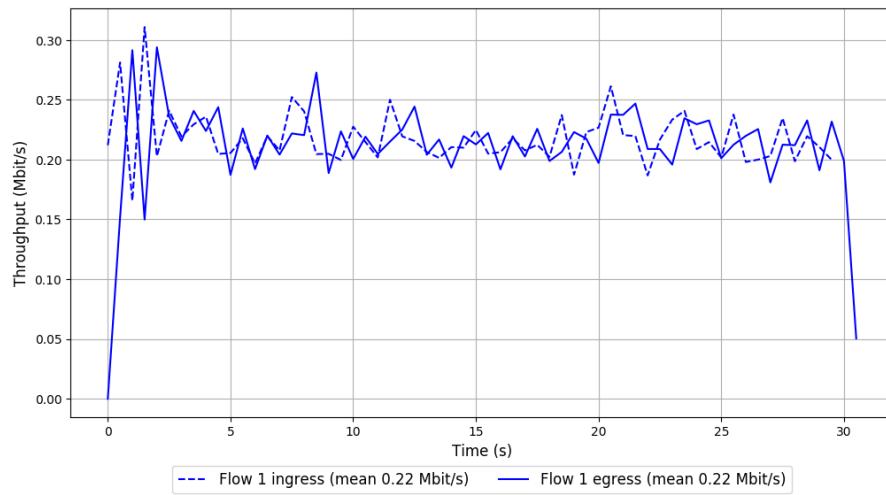


Run 7: Statistics of SCReAM

```
Start at: 2018-06-06 03:29:19
End at: 2018-06-06 03:29:49
Local clock offset: -0.009 ms
Remote clock offset: -0.468 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.603 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

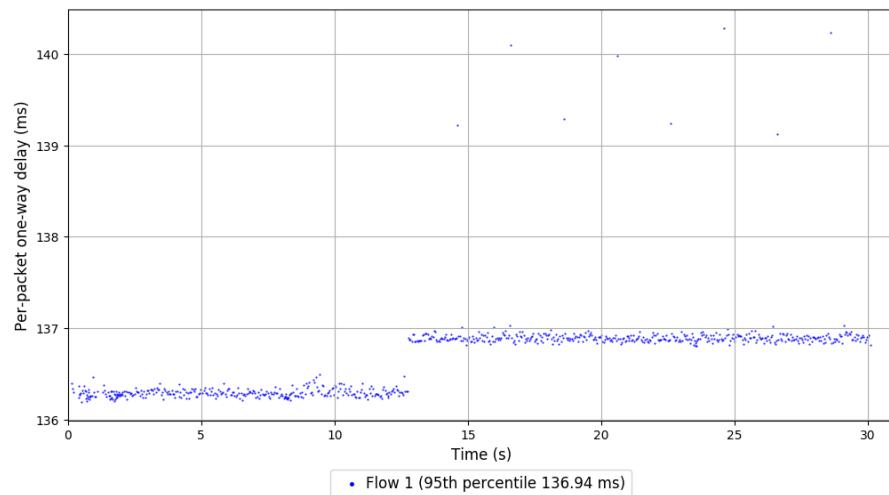
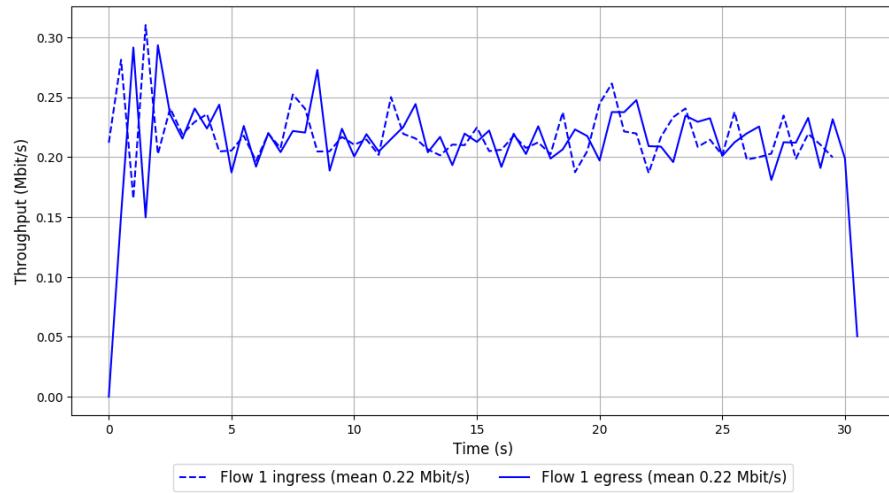


Run 8: Statistics of SCReAM

```
Start at: 2018-06-06 03:50:29
End at: 2018-06-06 03:50:59
Local clock offset: -0.096 ms
Remote clock offset: 0.28 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.944 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

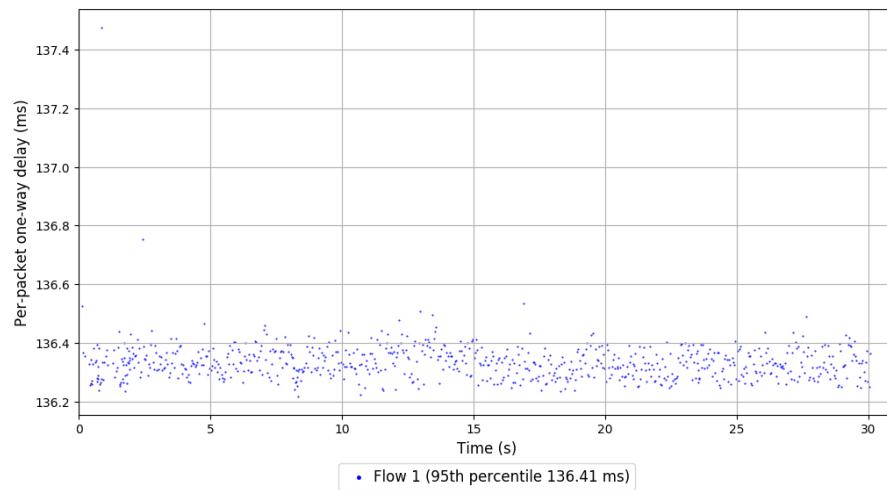
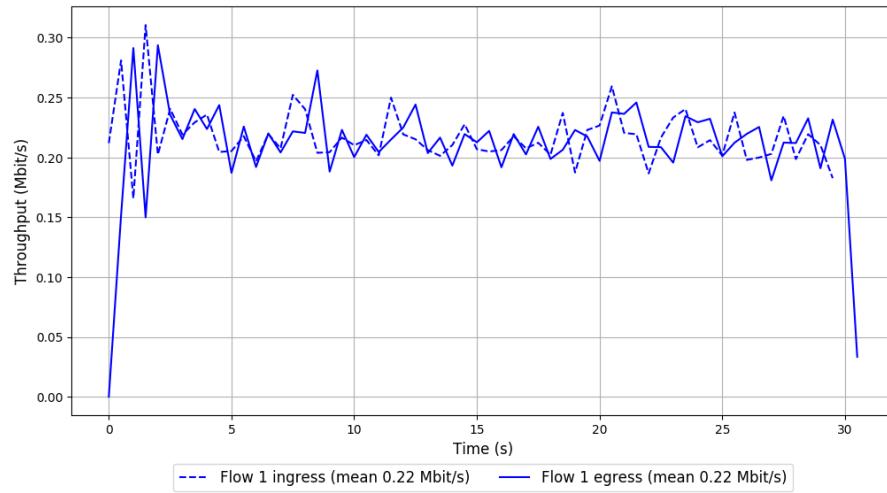


Run 9: Statistics of SCReAM

```
Start at: 2018-06-06 04:11:42
End at: 2018-06-06 04:12:12
Local clock offset: 0.083 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.413 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

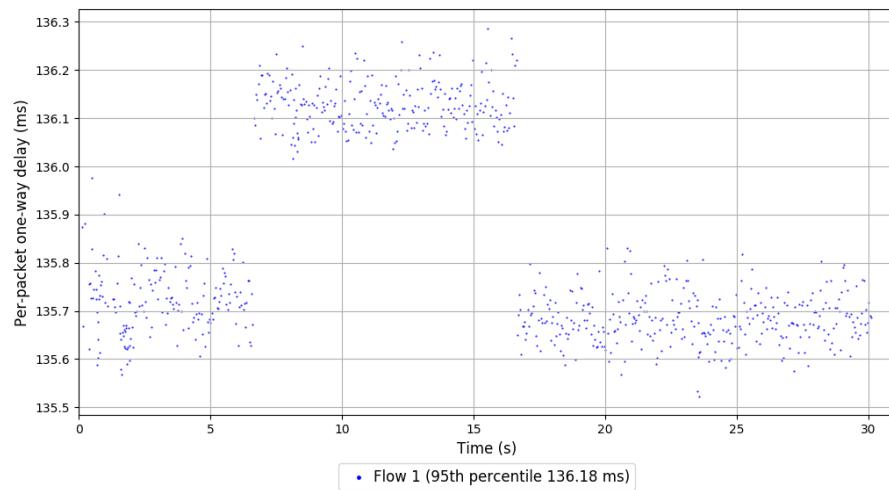
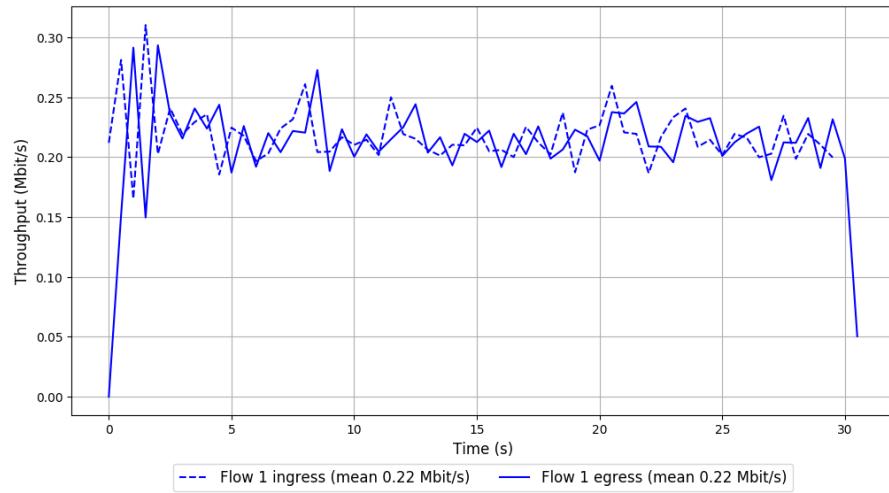


Run 10: Statistics of SCReAM

```
Start at: 2018-06-06 04:33:15
End at: 2018-06-06 04:33:45
Local clock offset: -0.016 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.176 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

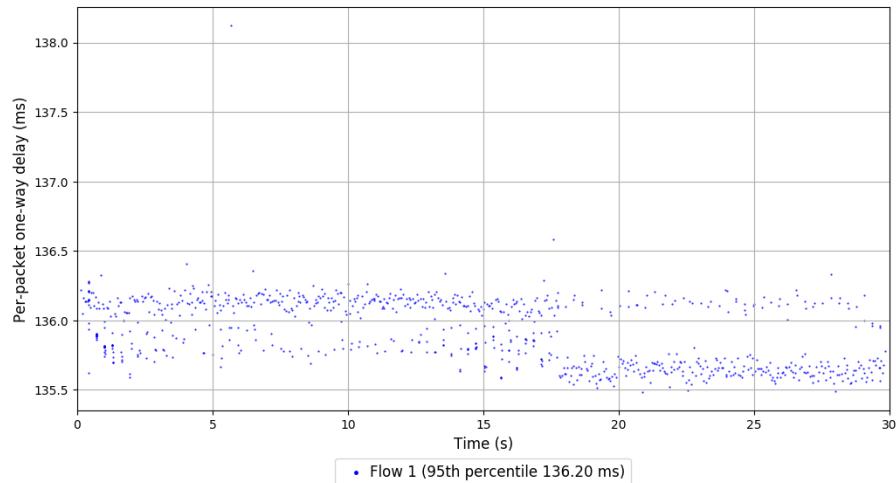
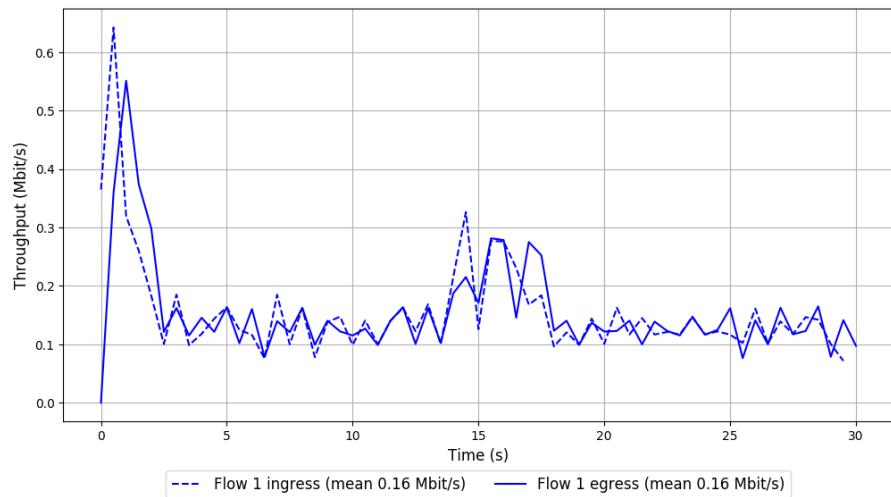


Run 1: Statistics of Sprout

```
Start at: 2018-06-06 01:21:54
End at: 2018-06-06 01:22:24
Local clock offset: -0.106 ms
Remote clock offset: -0.407 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.204 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

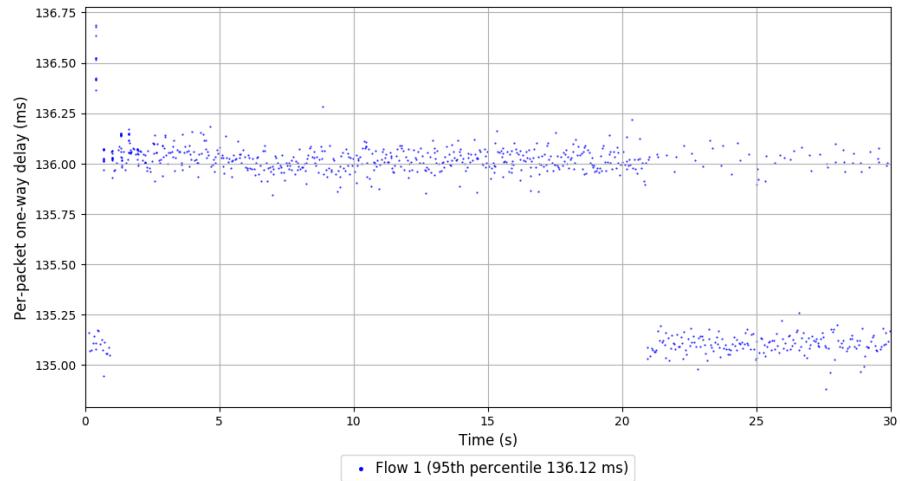
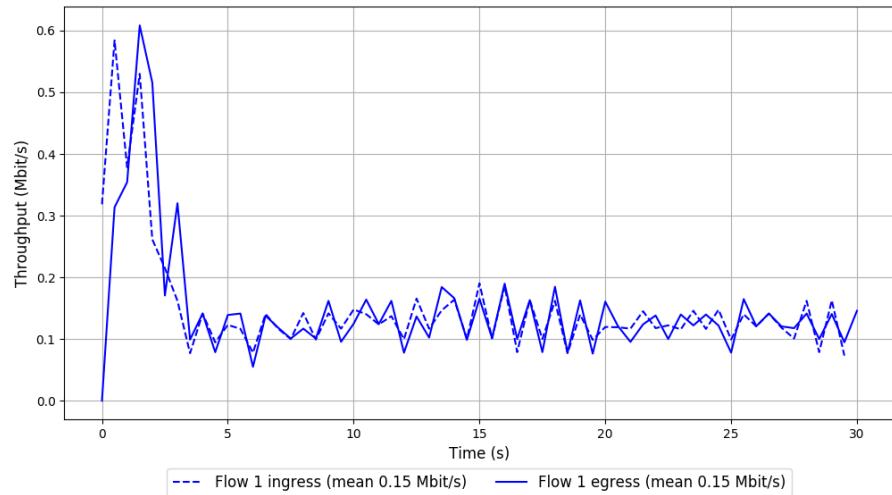


Run 2: Statistics of Sprout

```
Start at: 2018-06-06 01:43:01
End at: 2018-06-06 01:43:31
Local clock offset: -0.044 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.120 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

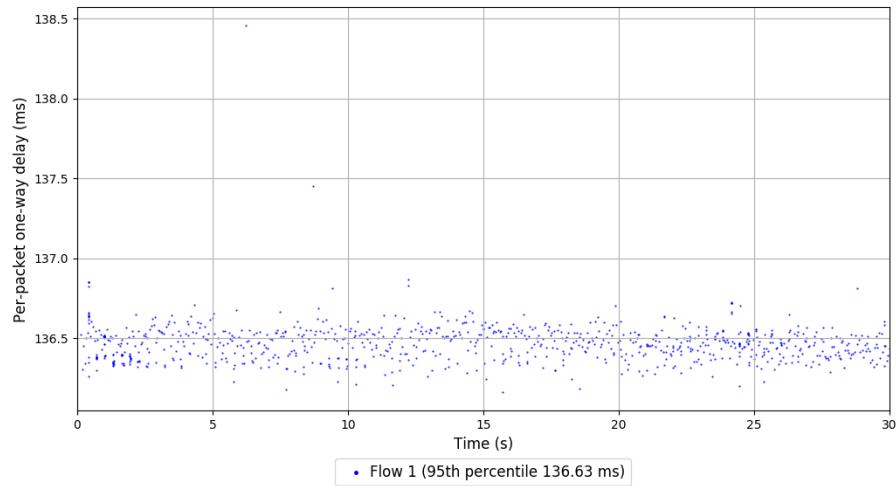
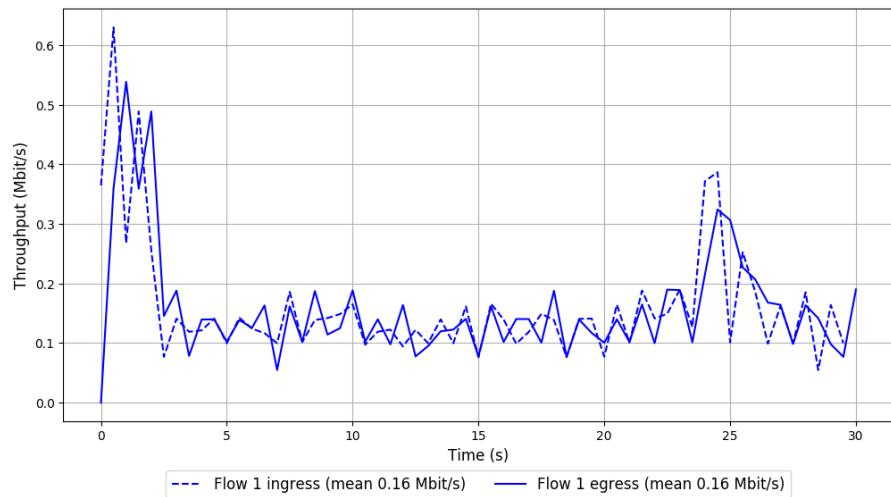


Run 3: Statistics of Sprout

```
Start at: 2018-06-06 02:04:21
End at: 2018-06-06 02:04:51
Local clock offset: -0.006 ms
Remote clock offset: 0.417 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.633 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

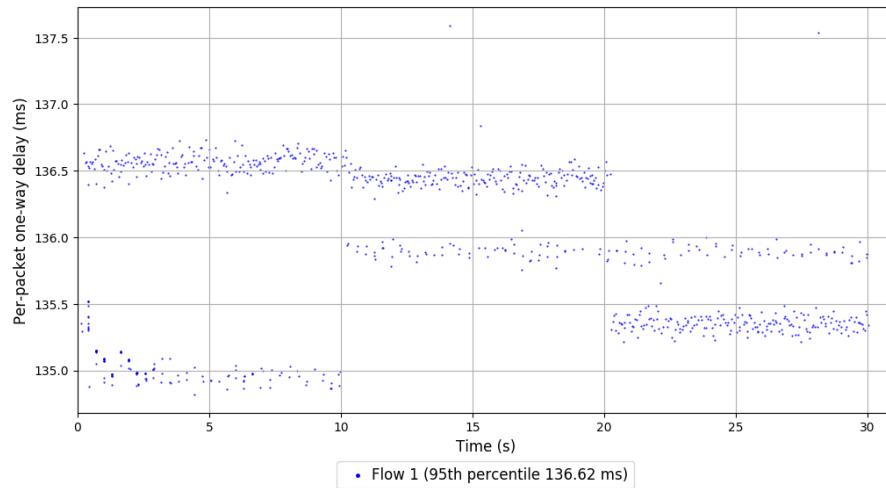
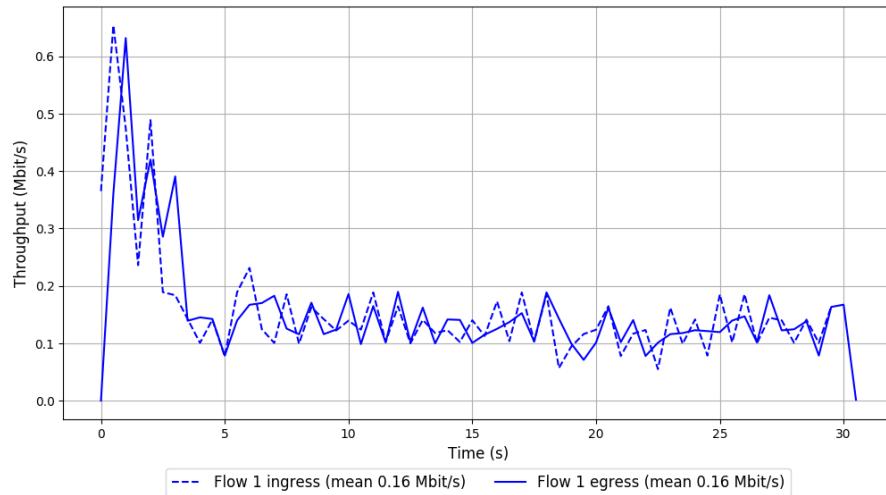


Run 4: Statistics of Sprout

```
Start at: 2018-06-06 02:26:02
End at: 2018-06-06 02:26:32
Local clock offset: -0.052 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.622 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

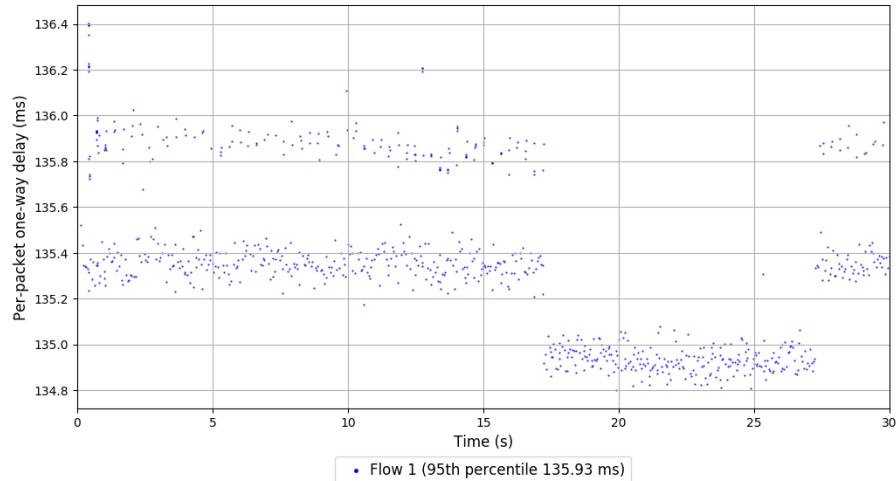
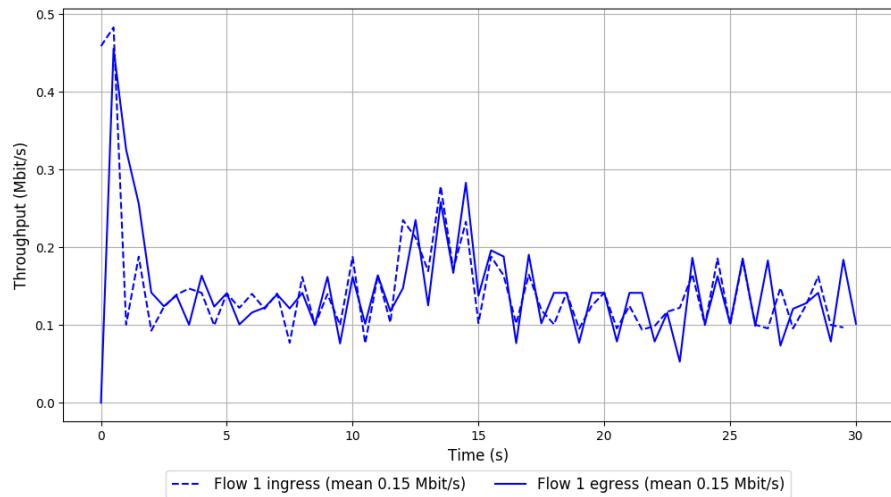


Run 5: Statistics of Sprout

```
Start at: 2018-06-06 02:47:35
End at: 2018-06-06 02:48:05
Local clock offset: -0.045 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.930 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

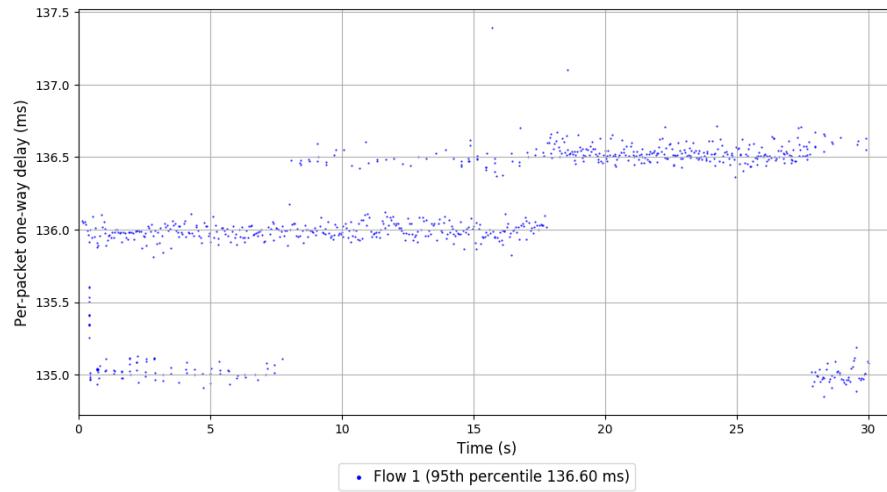
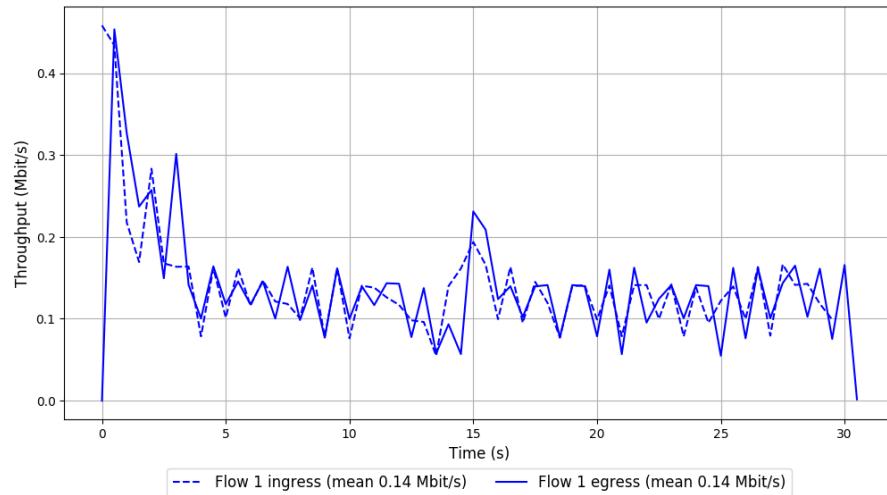


Run 6: Statistics of Sprout

```
Start at: 2018-06-06 03:09:14
End at: 2018-06-06 03:09:44
Local clock offset: -0.15 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.605 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

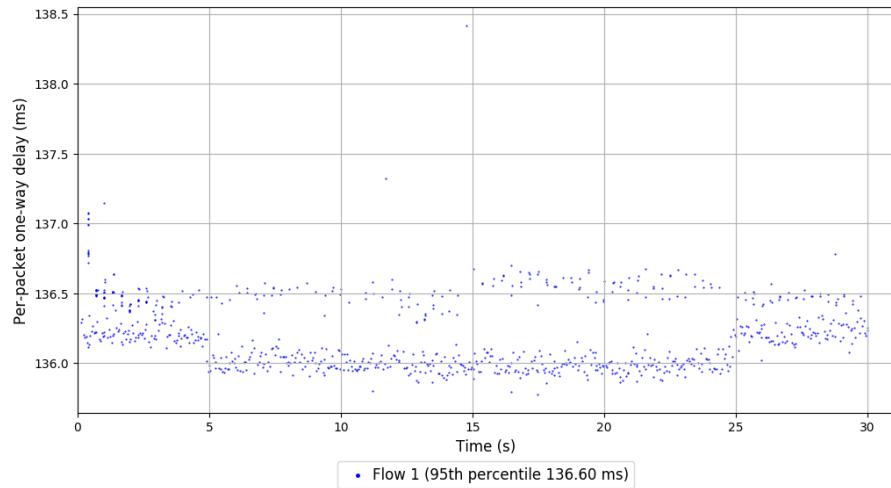
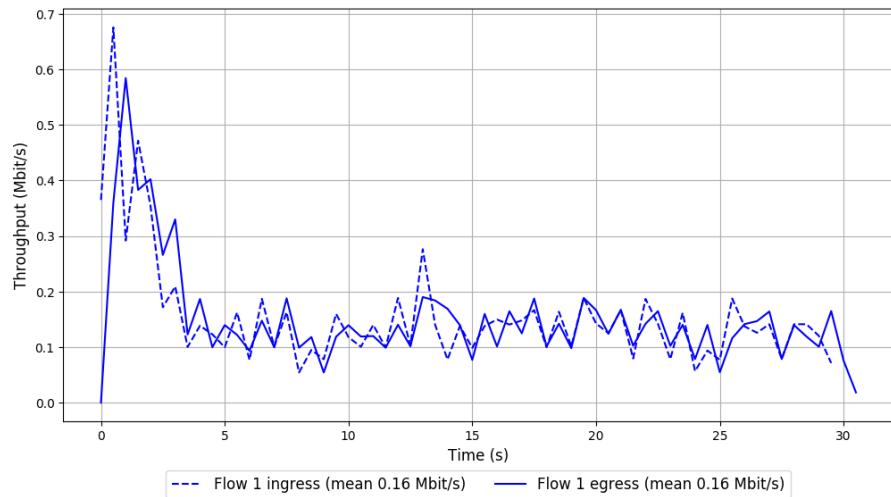


Run 7: Statistics of Sprout

```
Start at: 2018-06-06 03:30:27
End at: 2018-06-06 03:30:57
Local clock offset: 0.0 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.602 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

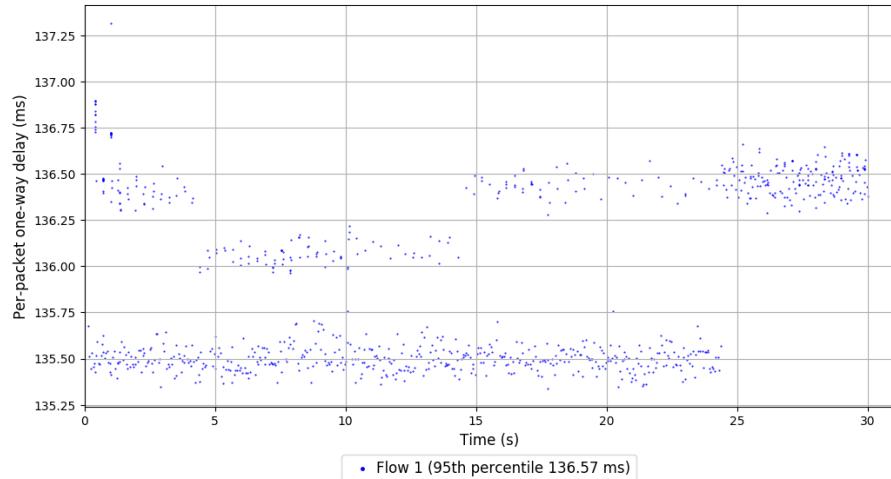
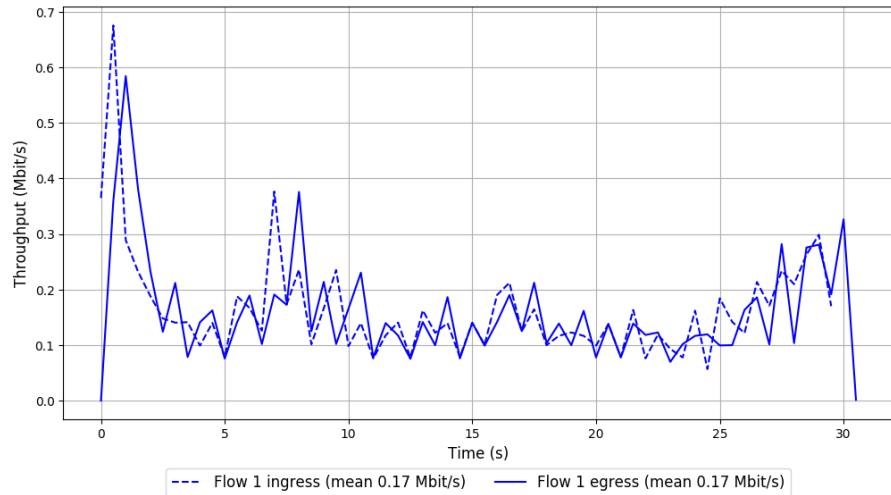


Run 8: Statistics of Sprout

```
Start at: 2018-06-06 03:51:37
End at: 2018-06-06 03:52:07
Local clock offset: -0.018 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.572 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

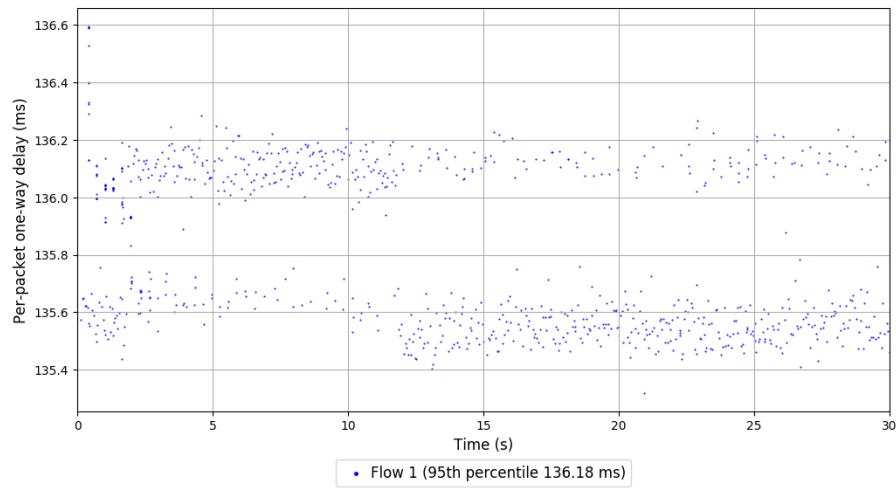
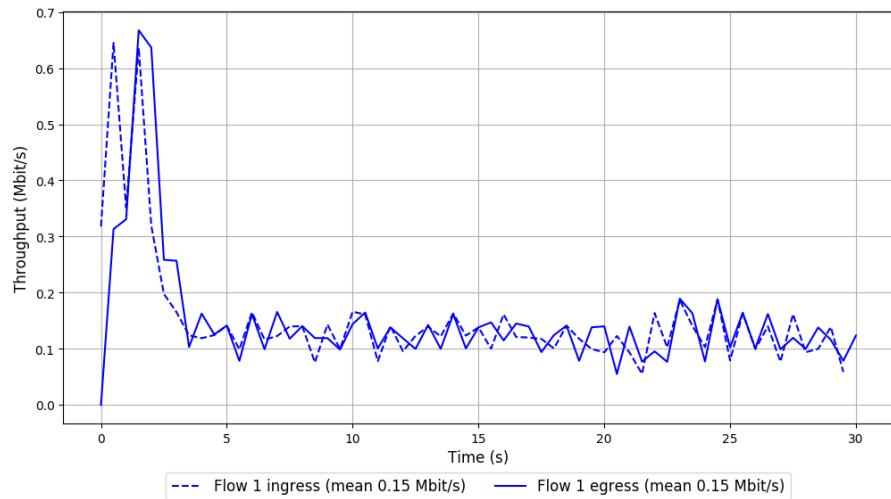


Run 9: Statistics of Sprout

```
Start at: 2018-06-06 04:12:50
End at: 2018-06-06 04:13:20
Local clock offset: 0.007 ms
Remote clock offset: -0.528 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.183 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

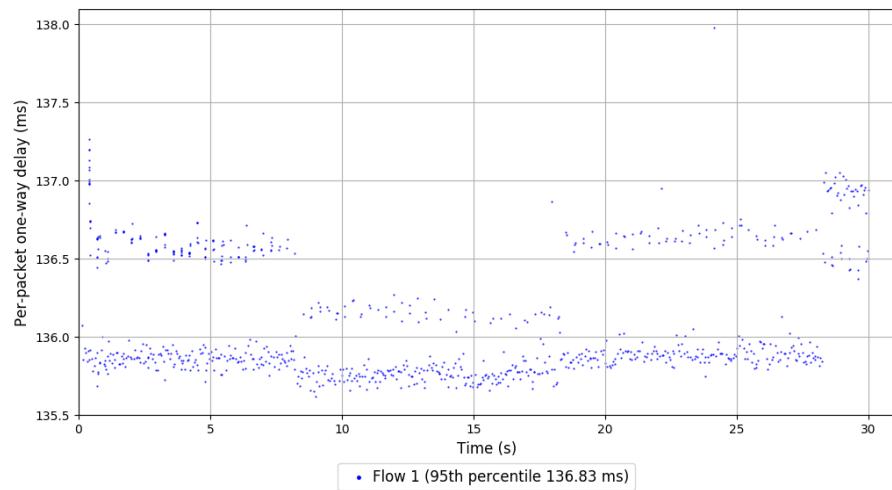
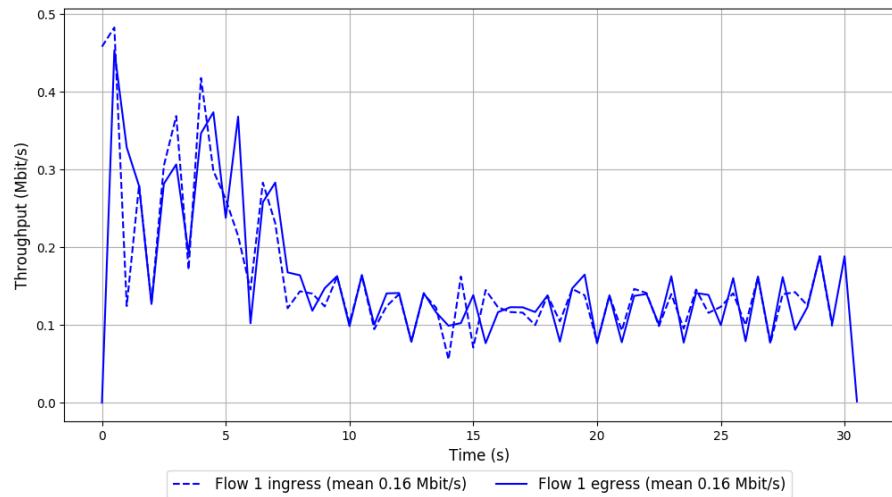


Run 10: Statistics of Sprout

```
Start at: 2018-06-06 04:34:24
End at: 2018-06-06 04:34:54
Local clock offset: -0.094 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-06-06 05:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.827 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

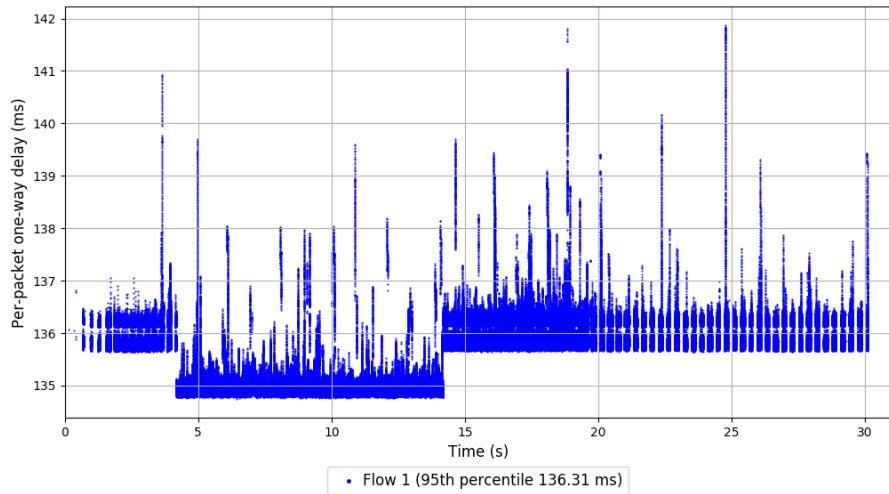
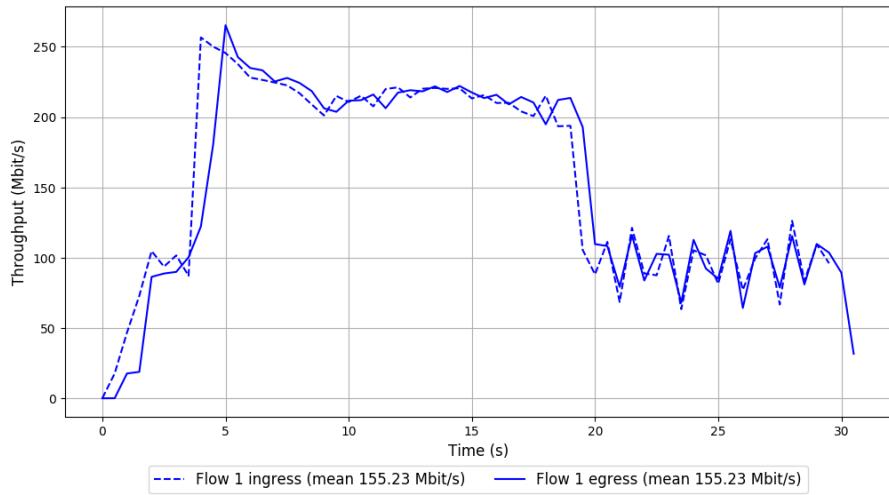


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-06 01:33:58
End at: 2018-06-06 01:34:28
Local clock offset: 0.066 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-06-06 05:56:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.23 Mbit/s
95th percentile per-packet one-way delay: 136.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.23 Mbit/s
95th percentile per-packet one-way delay: 136.312 ms
Loss rate: 0.00%
```

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

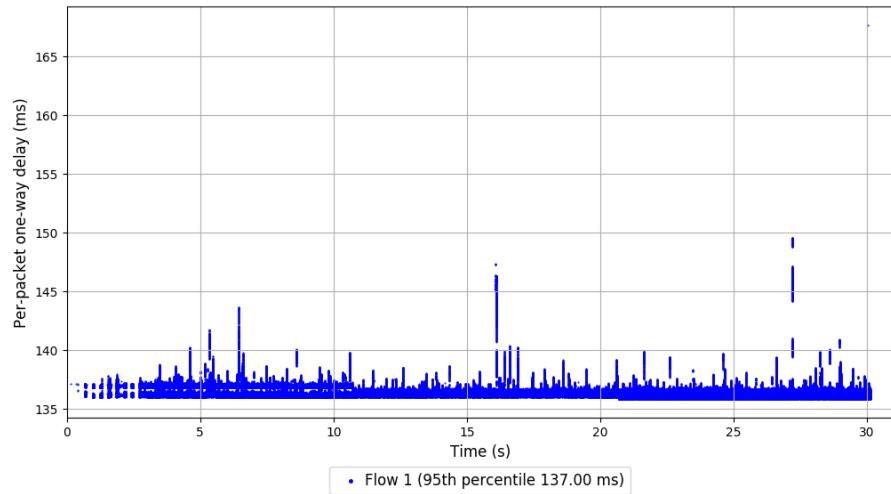
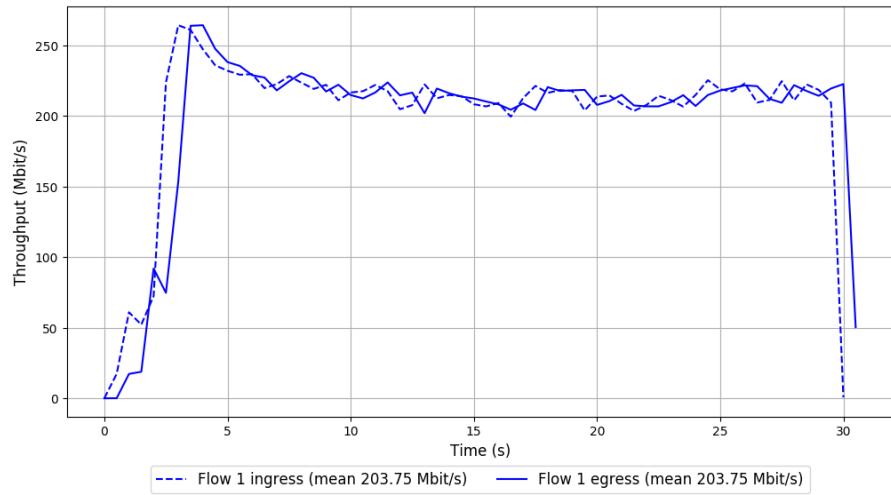


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-06 01:55:11
End at: 2018-06-06 01:55:41
Local clock offset: -0.224 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-06-06 05:58:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.75 Mbit/s
95th percentile per-packet one-way delay: 137.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.75 Mbit/s
95th percentile per-packet one-way delay: 137.001 ms
Loss rate: 0.00%
```

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

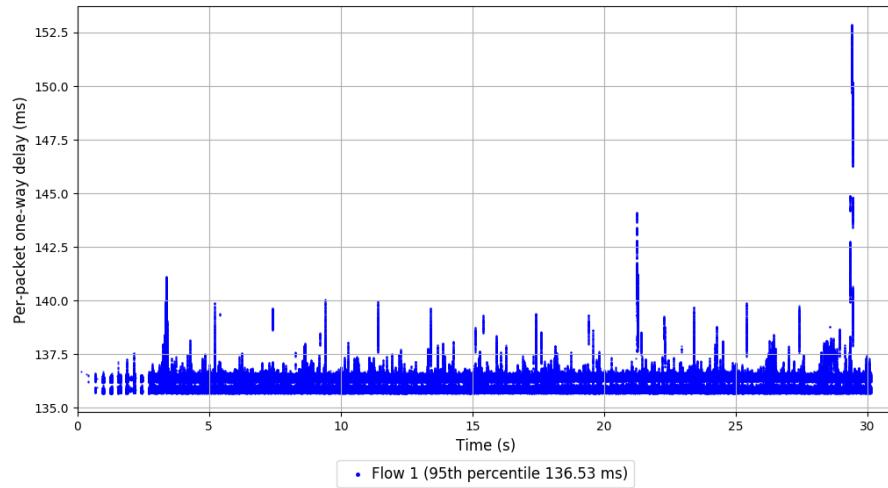
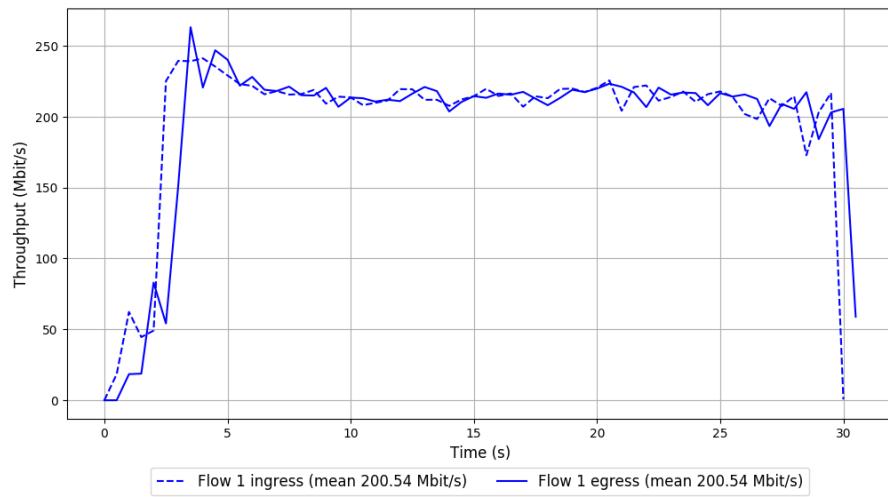


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-06 02:16:54
End at: 2018-06-06 02:17:24
Local clock offset: -0.078 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-06-06 05:58:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.54 Mbit/s
95th percentile per-packet one-way delay: 136.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.54 Mbit/s
95th percentile per-packet one-way delay: 136.534 ms
Loss rate: 0.00%
```

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

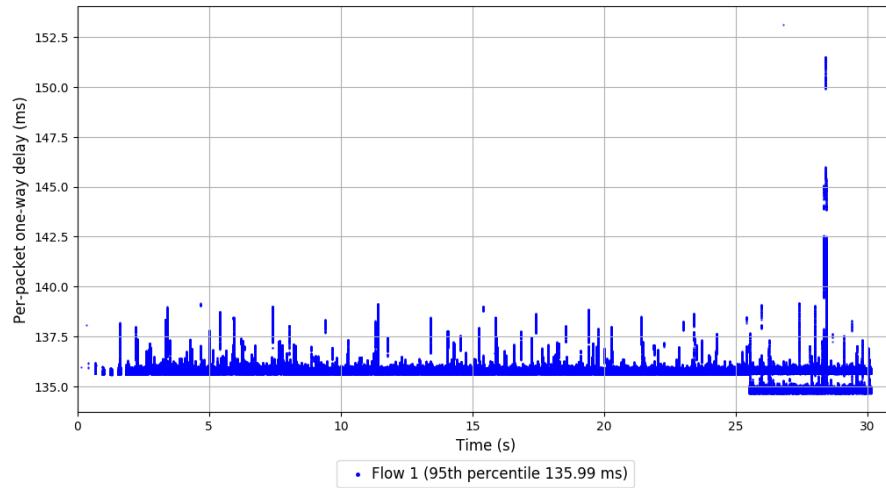
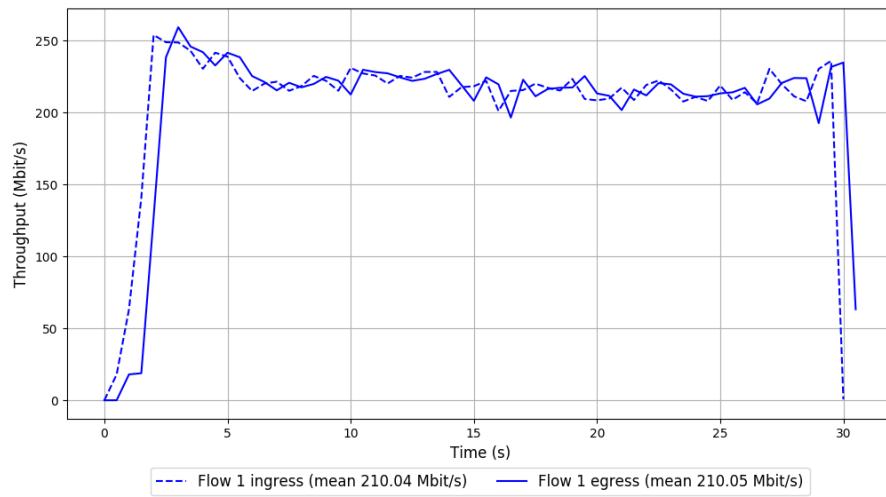


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-06 02:38:26
End at: 2018-06-06 02:38:56
Local clock offset: -0.054 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-06 06:00:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.05 Mbit/s
95th percentile per-packet one-way delay: 135.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.05 Mbit/s
95th percentile per-packet one-way delay: 135.991 ms
Loss rate: 0.00%
```

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

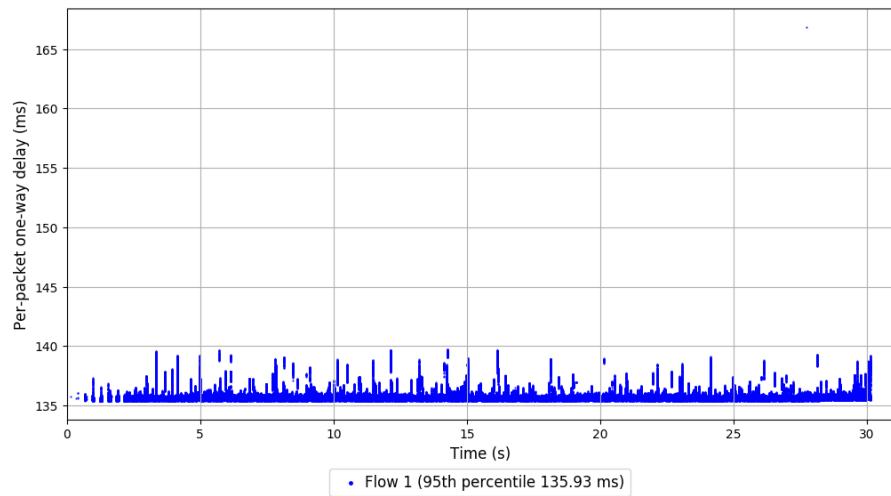
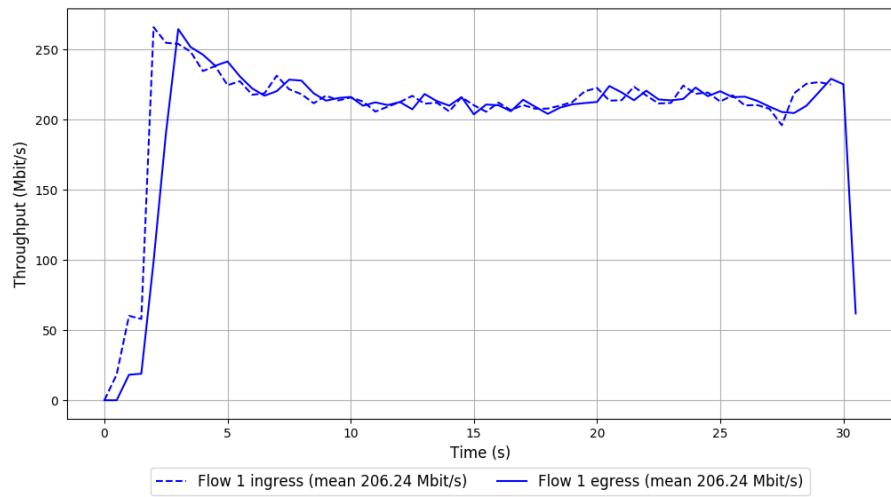


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-06 03:00:04
End at: 2018-06-06 03:00:34
Local clock offset: 0.074 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-06-06 06:00:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.24 Mbit/s
95th percentile per-packet one-way delay: 135.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.24 Mbit/s
95th percentile per-packet one-way delay: 135.933 ms
Loss rate: 0.00%
```

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

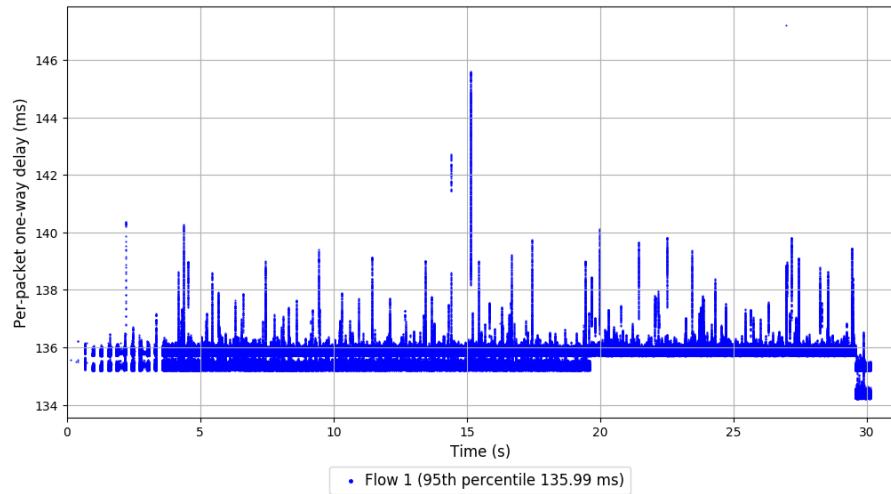
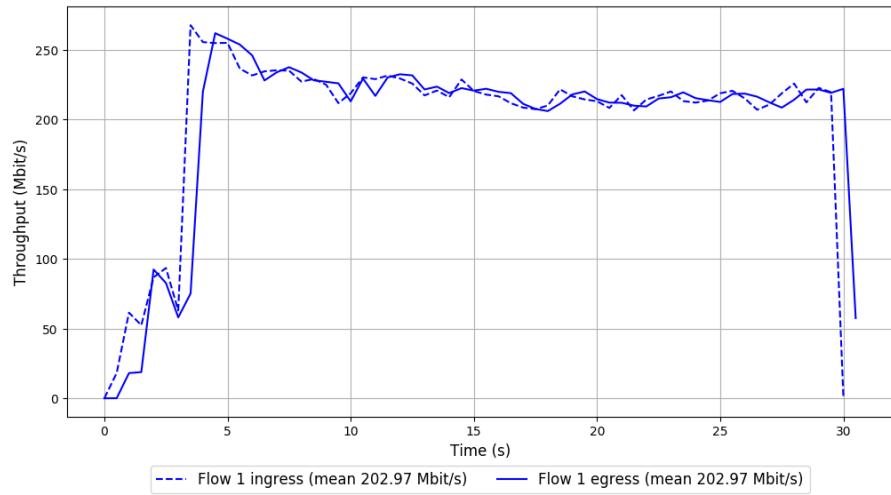


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-06 03:21:22
End at: 2018-06-06 03:21:52
Local clock offset: 0.461 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-06 06:01:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.97 Mbit/s
95th percentile per-packet one-way delay: 135.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.97 Mbit/s
95th percentile per-packet one-way delay: 135.991 ms
Loss rate: 0.00%
```

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

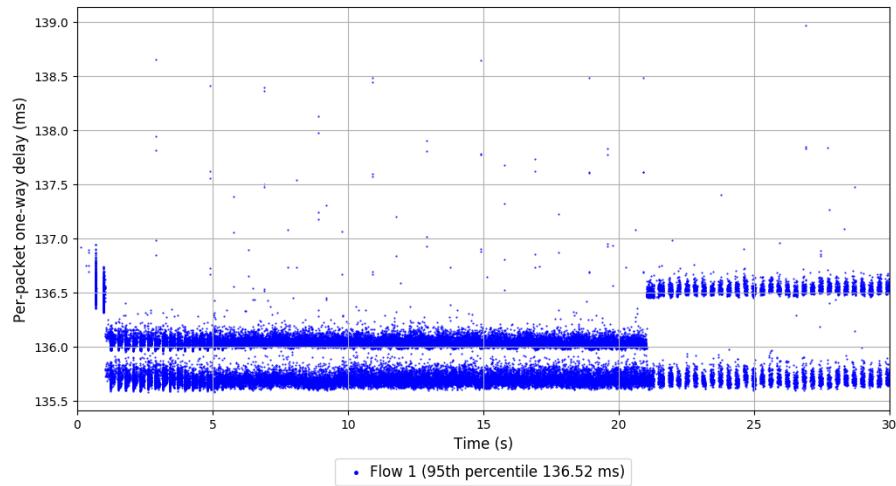
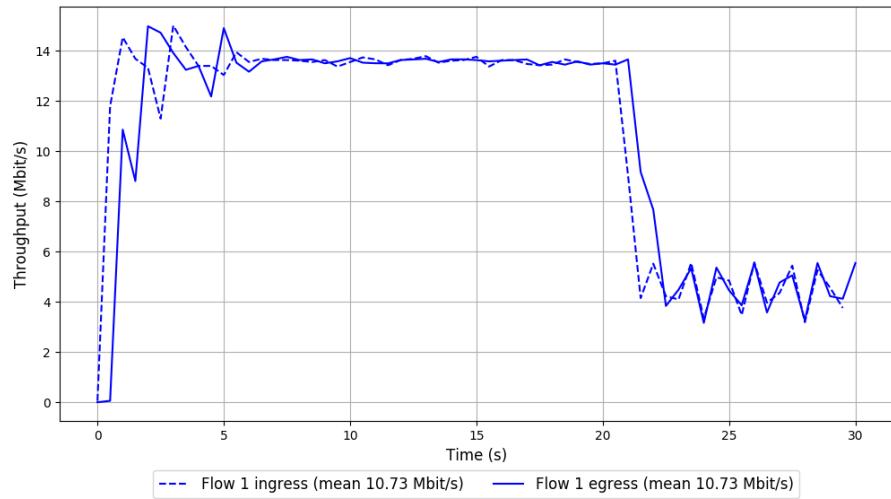


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-06 03:42:51
End at: 2018-06-06 03:43:21
Local clock offset: -0.08 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-06-06 06:01:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 136.520 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 136.520 ms
Loss rate: 0.00%
```

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

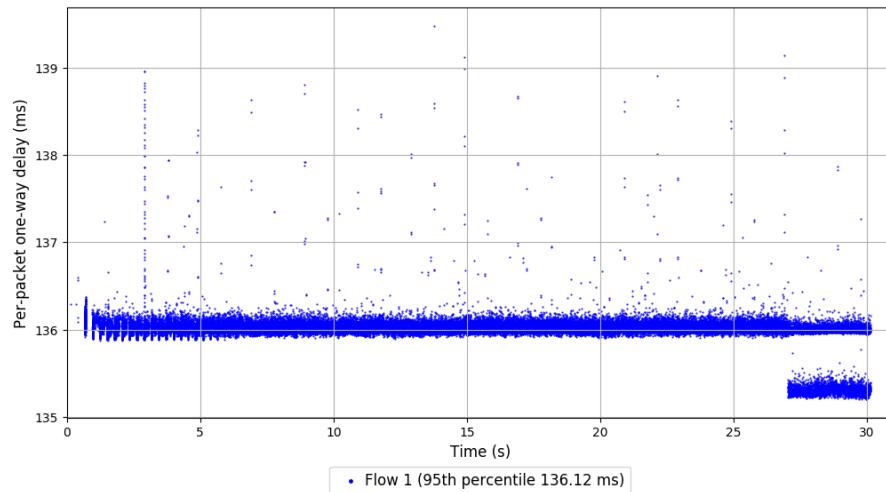
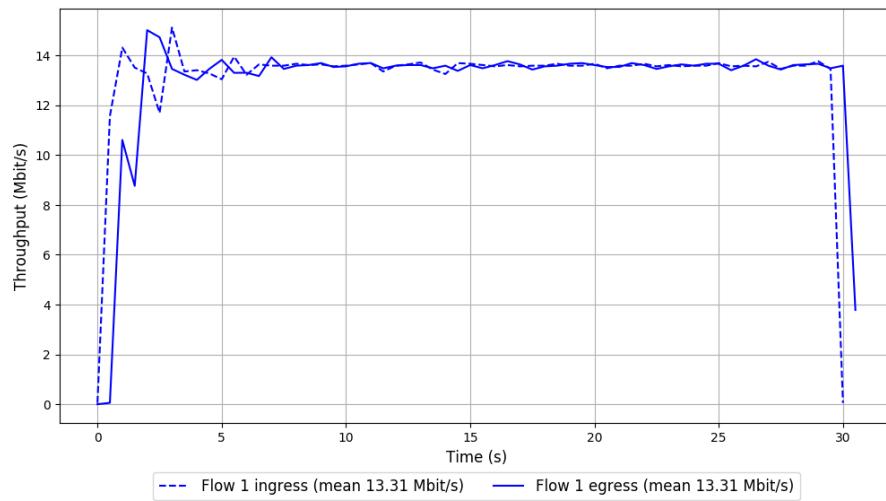


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-06 04:04:05
End at: 2018-06-06 04:04:35
Local clock offset: -0.105 ms
Remote clock offset: -0.482 ms

# Below is generated by plot.py at 2018-06-06 06:01:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 136.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 136.119 ms
Loss rate: 0.00%
```

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

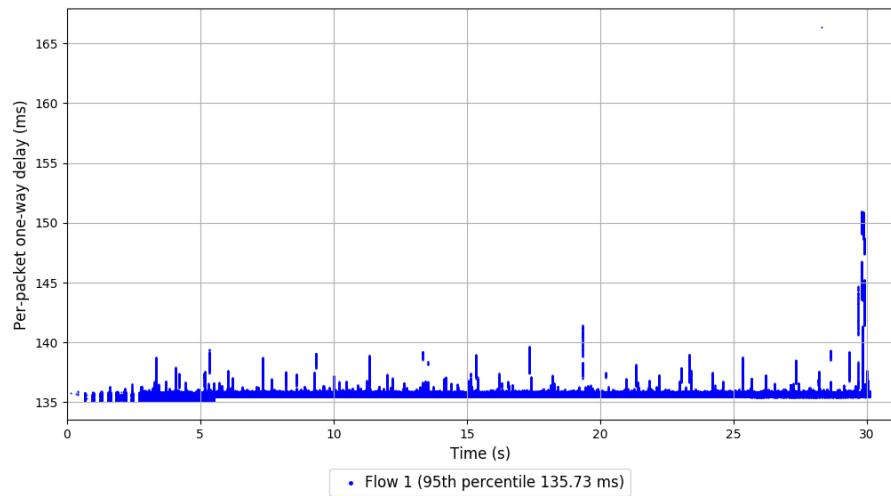
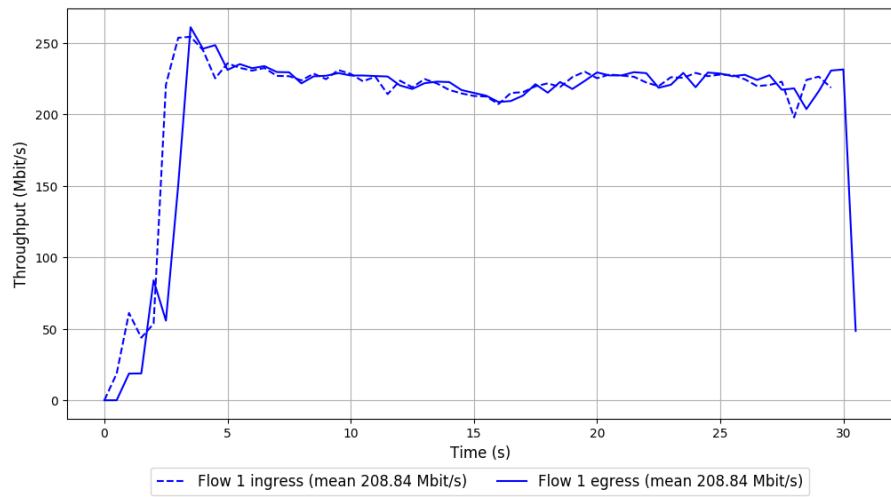


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-06 04:25:16
End at: 2018-06-06 04:25:46
Local clock offset: 0.385 ms
Remote clock offset: -0.434 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.84 Mbit/s
95th percentile per-packet one-way delay: 135.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.84 Mbit/s
95th percentile per-packet one-way delay: 135.733 ms
Loss rate: 0.00%
```

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

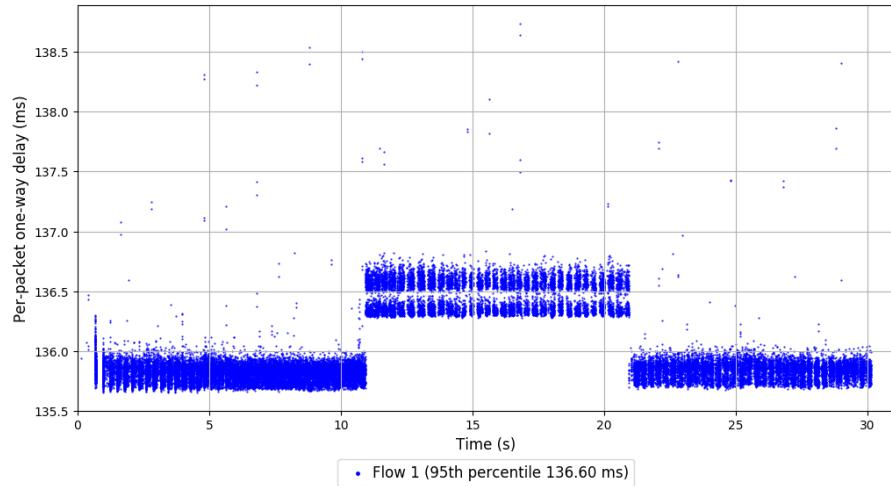
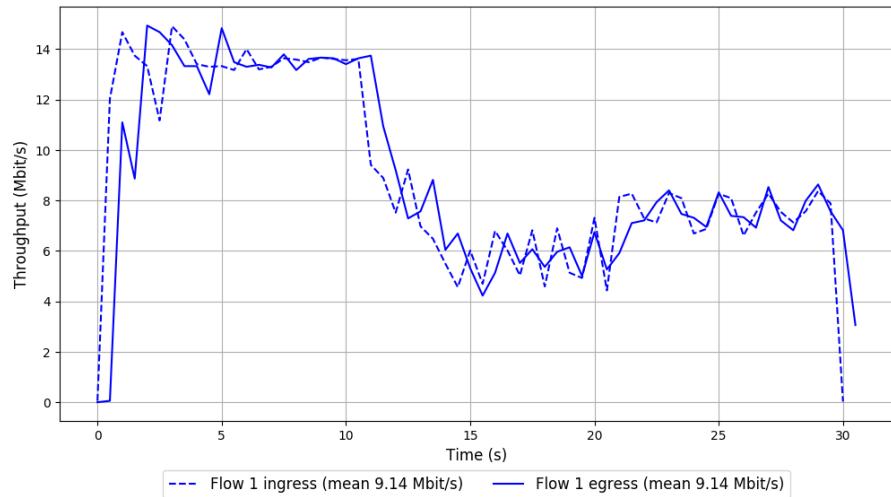


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-06 04:46:51
End at: 2018-06-06 04:47:21
Local clock offset: 0.009 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 136.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 136.596 ms
Loss rate: 0.00%
```

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

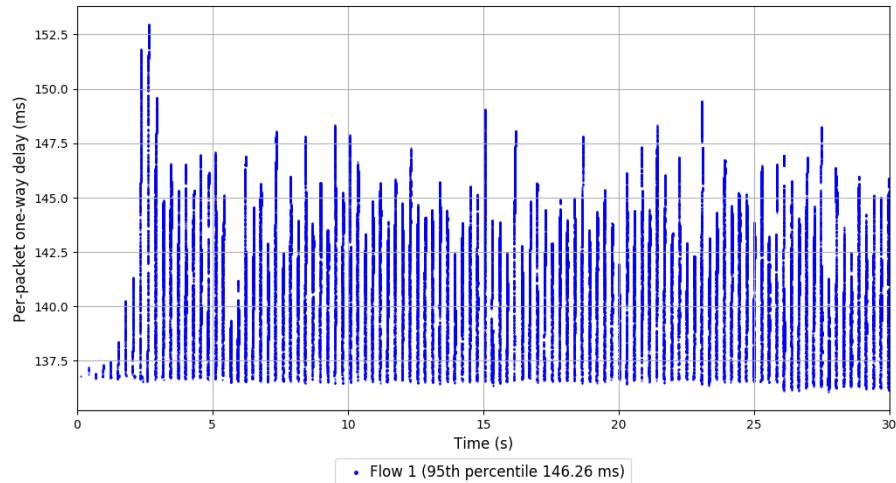
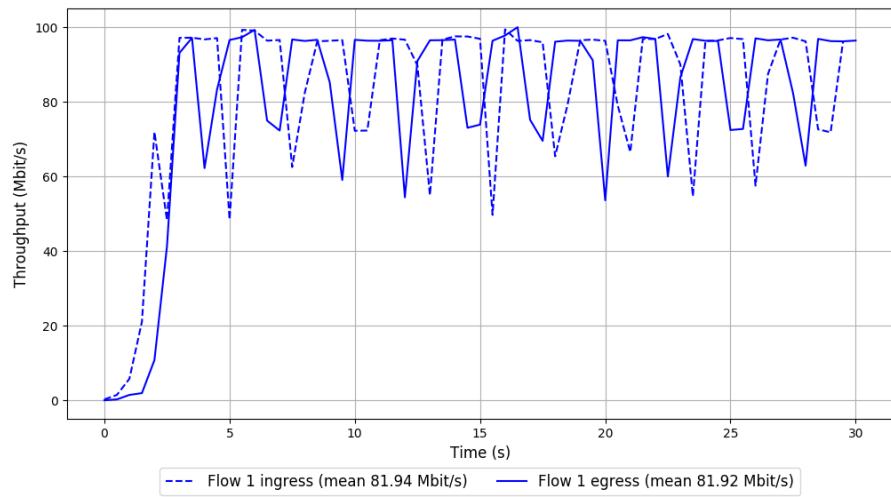


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-06 01:15:36
End at: 2018-06-06 01:16:06
Local clock offset: -0.155 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 146.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 146.256 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

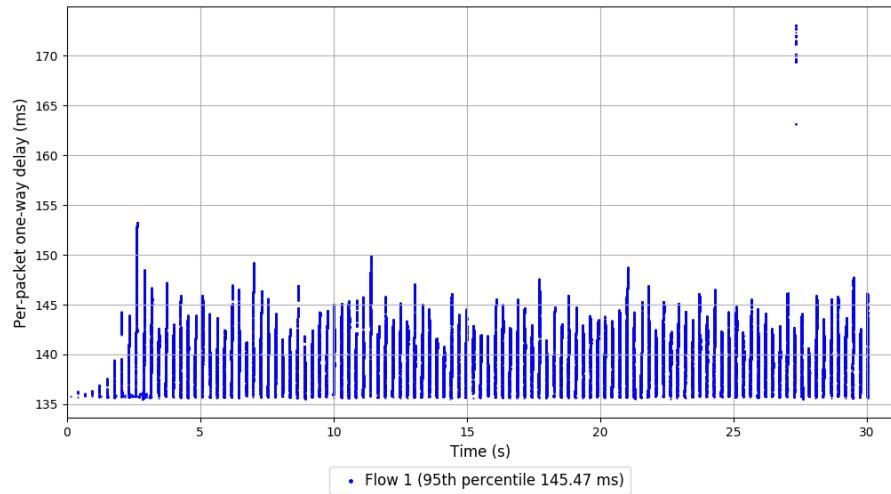
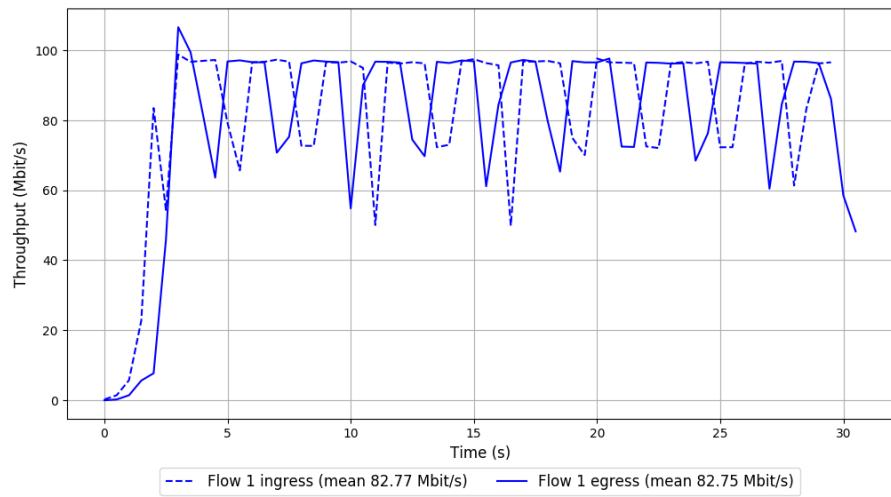


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-06 01:36:39
End at: 2018-06-06 01:37:09
Local clock offset: 0.196 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 145.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 145.473 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

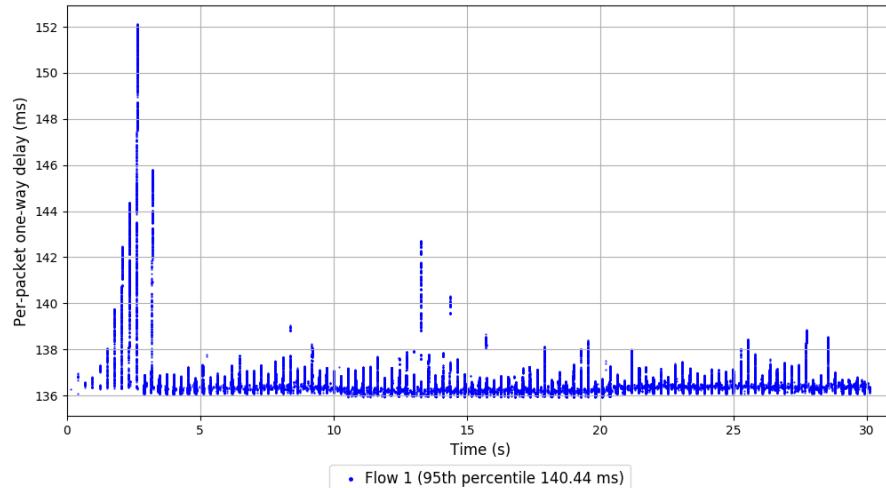
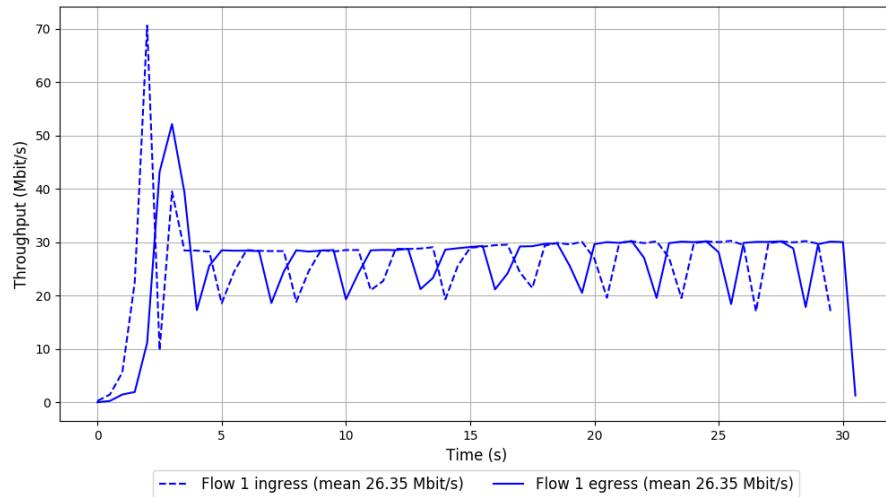


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-06 01:58:01
End at: 2018-06-06 01:58:31
Local clock offset: -0.258 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 140.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 140.444 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

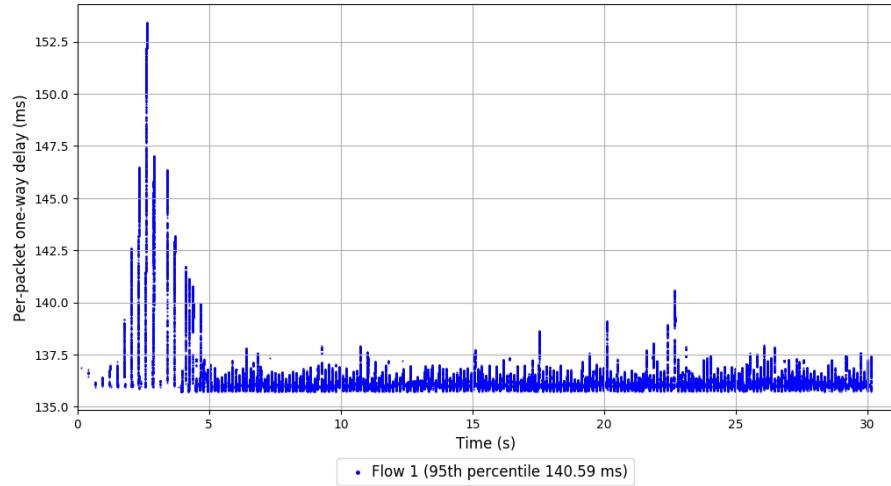
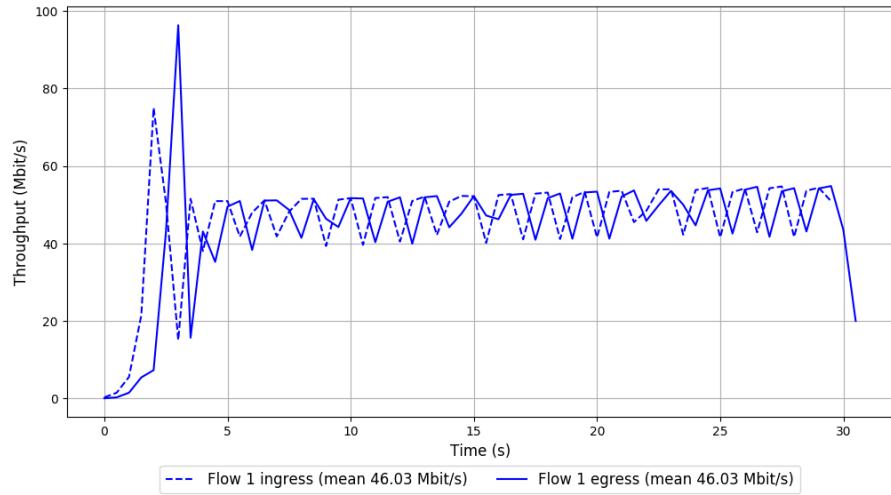


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-06 02:19:41
End at: 2018-06-06 02:20:11
Local clock offset: -0.178 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.03 Mbit/s
95th percentile per-packet one-way delay: 140.587 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.03 Mbit/s
95th percentile per-packet one-way delay: 140.587 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

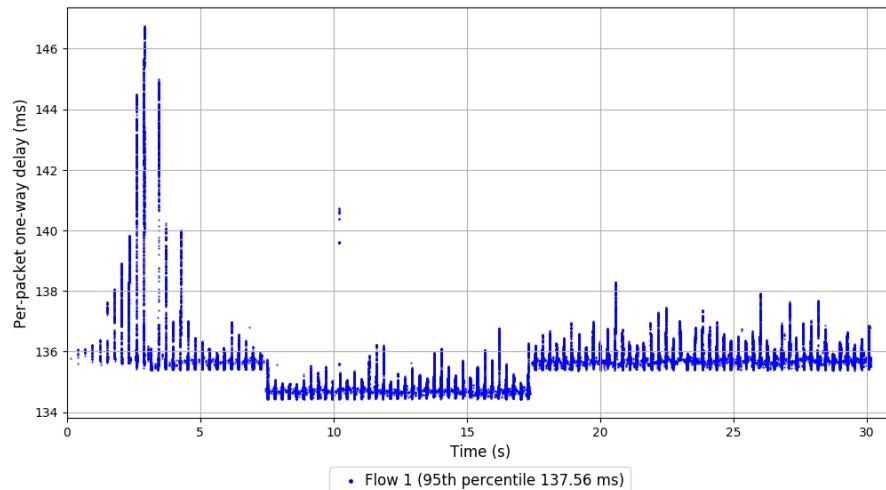
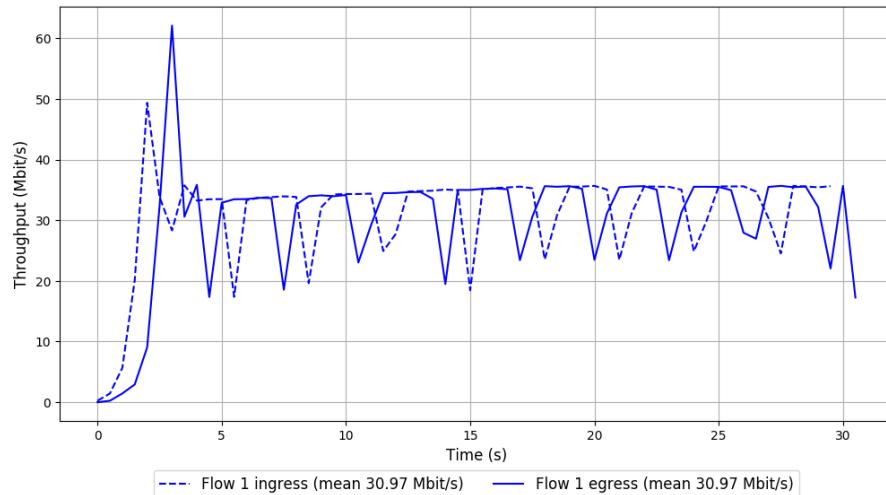


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-06 02:41:14
End at: 2018-06-06 02:41:45
Local clock offset: -0.195 ms
Remote clock offset: -0.421 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 137.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 137.557 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

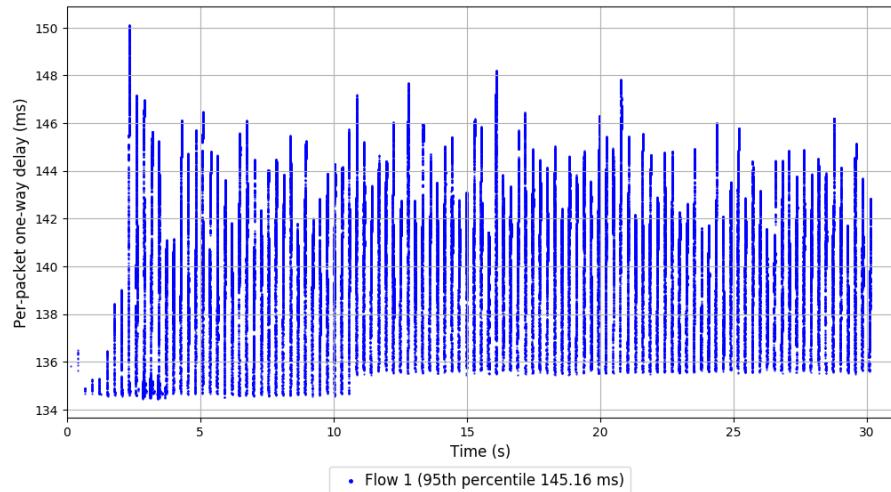
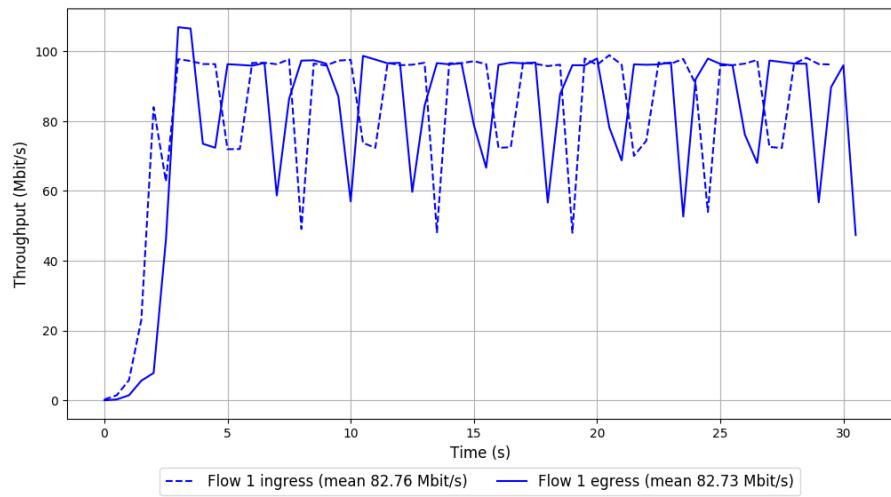


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-06 03:02:51
End at: 2018-06-06 03:03:21
Local clock offset: 0.149 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 145.161 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 145.161 ms
Loss rate: 0.02%
```

Run 6: Report of TCP Vegas — Data Link

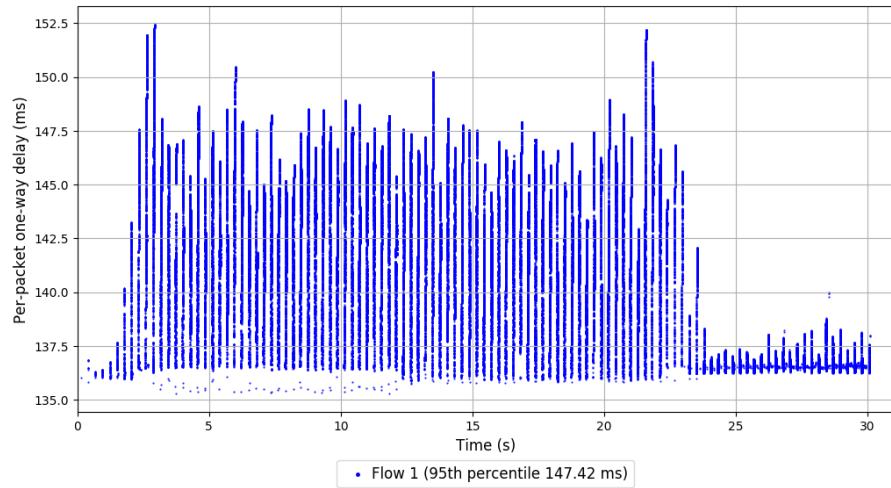
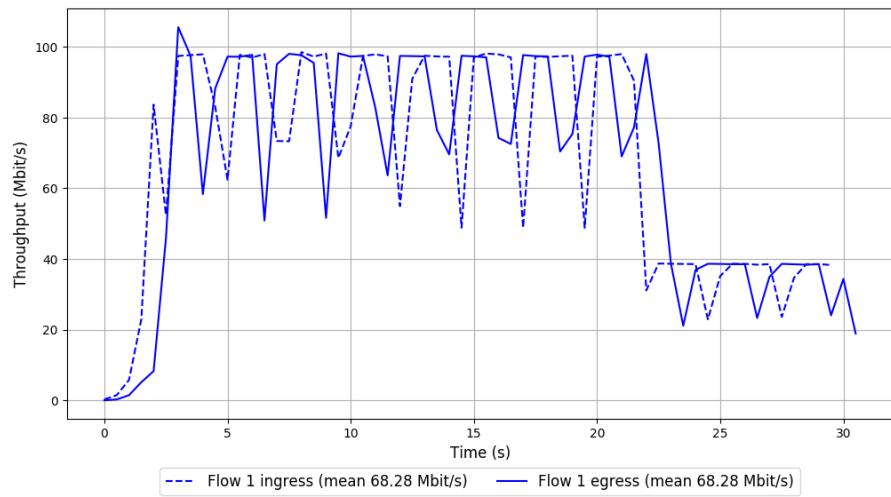


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-06 03:24:10
End at: 2018-06-06 03:24:40
Local clock offset: 0.079 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 147.423 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 147.423 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

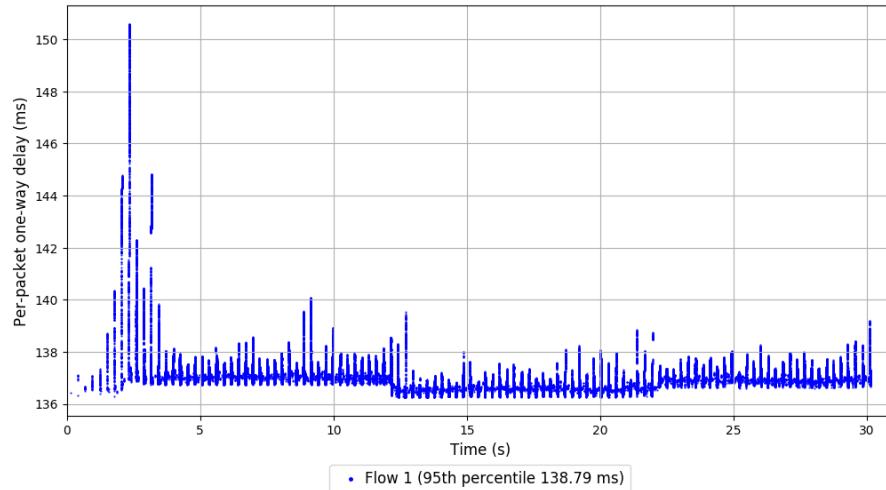
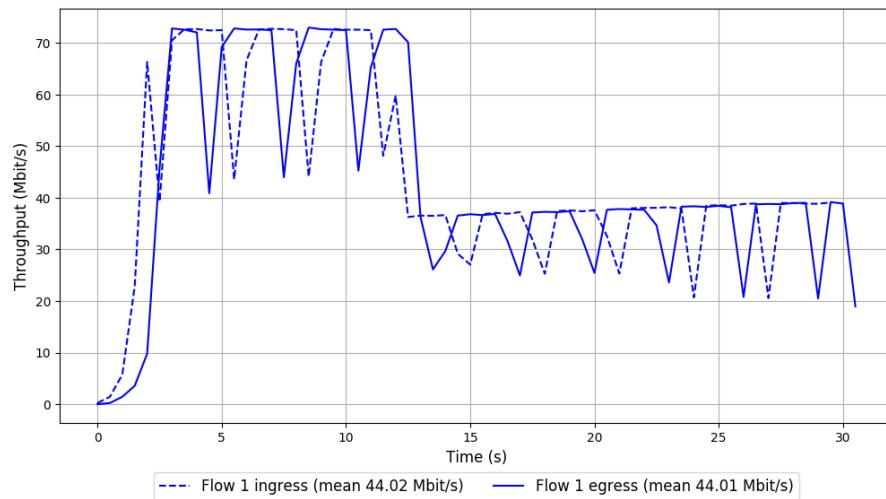


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-06 03:45:20
End at: 2018-06-06 03:45:50
Local clock offset: -0.372 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 138.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 138.792 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

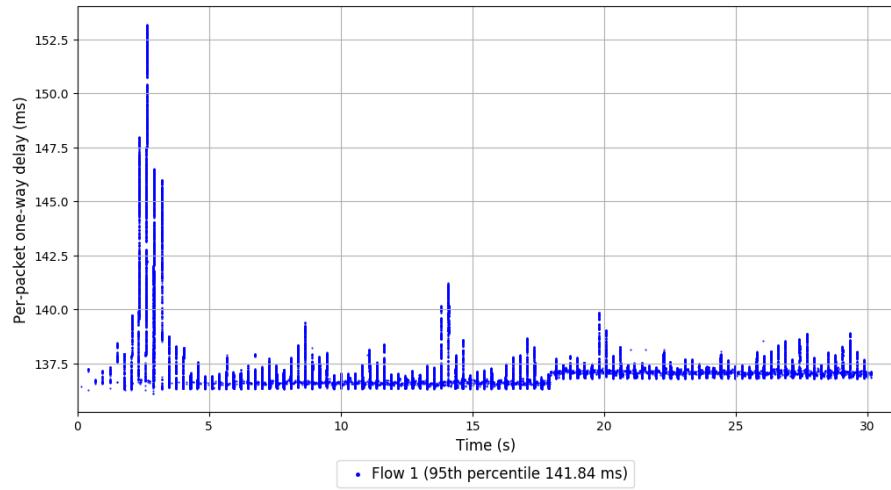
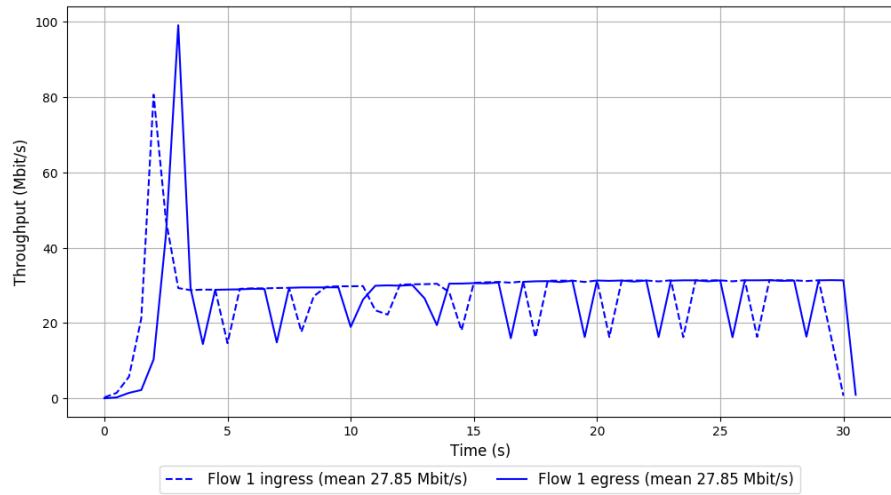


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-06 04:06:34
End at: 2018-06-06 04:07:04
Local clock offset: -0.117 ms
Remote clock offset: 0.256 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 141.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 141.844 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

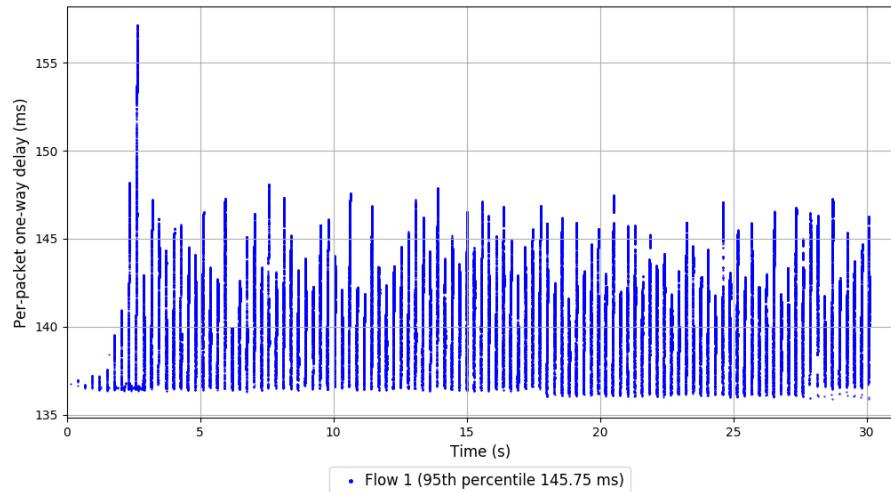
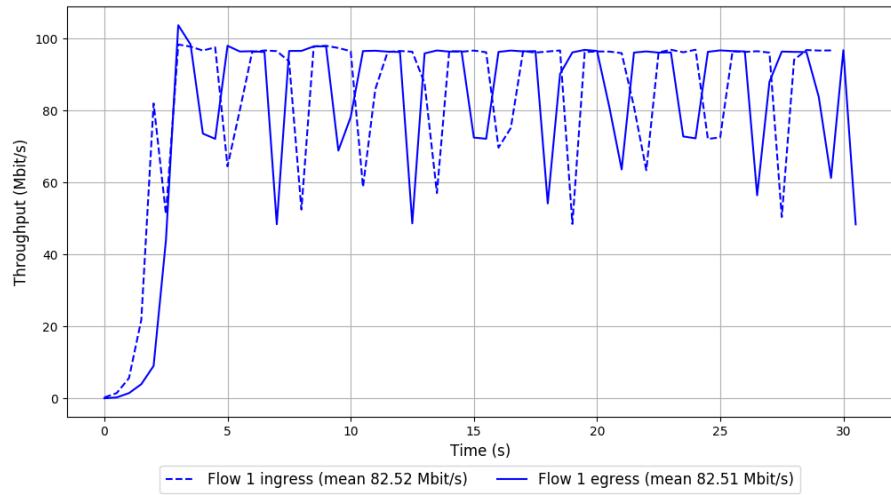


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-06 04:28:04
End at: 2018-06-06 04:28:34
Local clock offset: -0.168 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 145.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 145.751 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

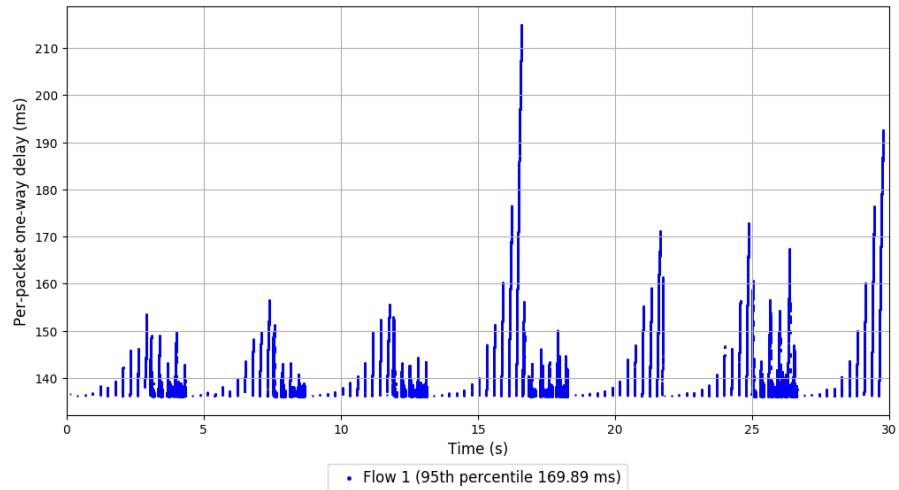
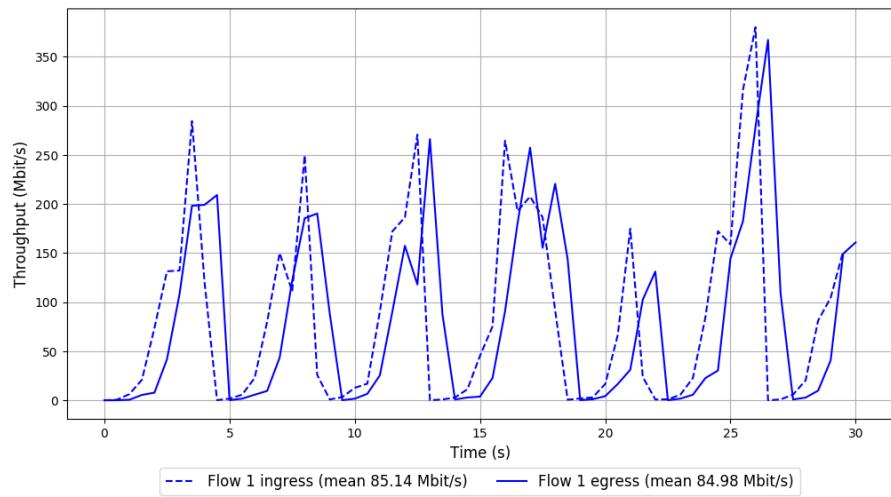


Run 1: Statistics of Verus

```
Start at: 2018-06-06 01:24:32
End at: 2018-06-06 01:25:02
Local clock offset: -0.109 ms
Remote clock offset: -0.361 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 169.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 169.890 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

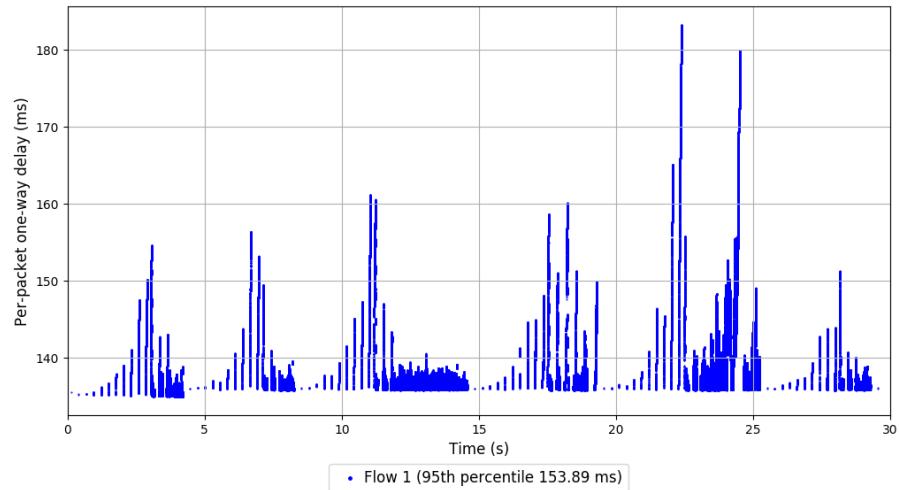
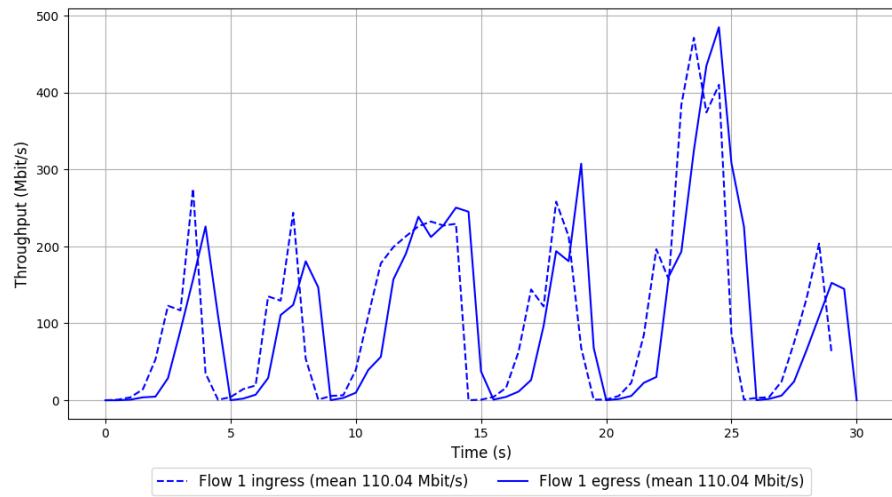


Run 2: Statistics of Verus

```
Start at: 2018-06-06 01:45:37
End at: 2018-06-06 01:46:07
Local clock offset: -0.154 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.04 Mbit/s
95th percentile per-packet one-way delay: 153.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.04 Mbit/s
95th percentile per-packet one-way delay: 153.891 ms
Loss rate: 0.00%
```

Run 2: Report of Verus — Data Link

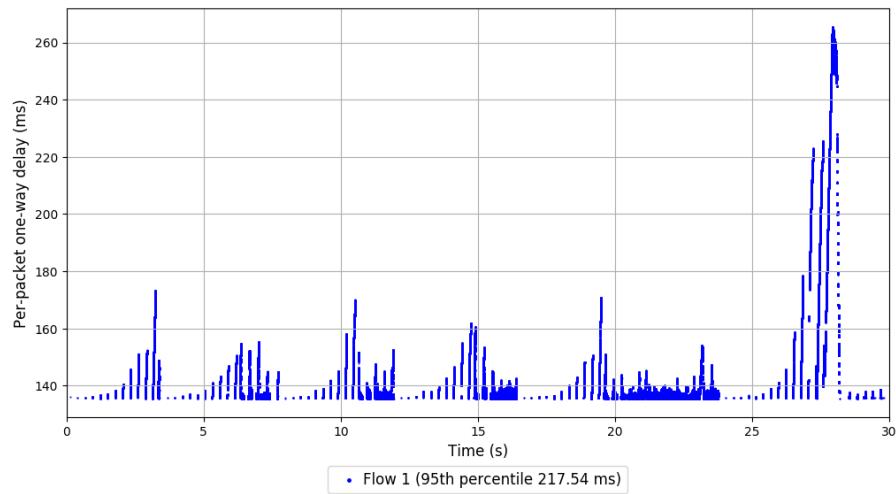
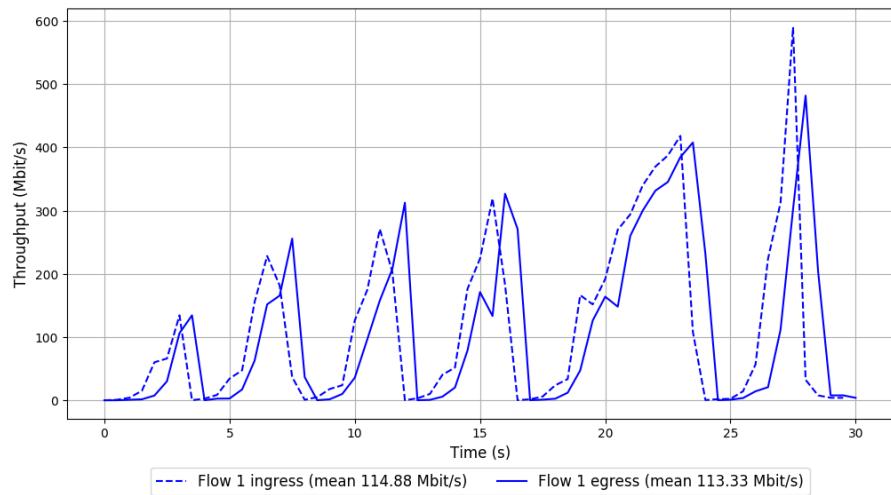


Run 3: Statistics of Verus

```
Start at: 2018-06-06 02:07:01
End at: 2018-06-06 02:07:31
Local clock offset: 0.168 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.33 Mbit/s
95th percentile per-packet one-way delay: 217.542 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 113.33 Mbit/s
95th percentile per-packet one-way delay: 217.542 ms
Loss rate: 1.34%
```

Run 3: Report of Verus — Data Link

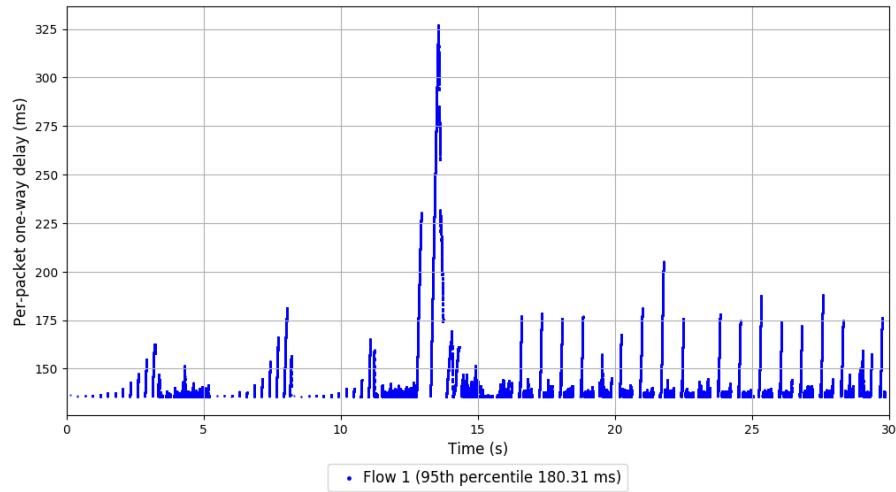
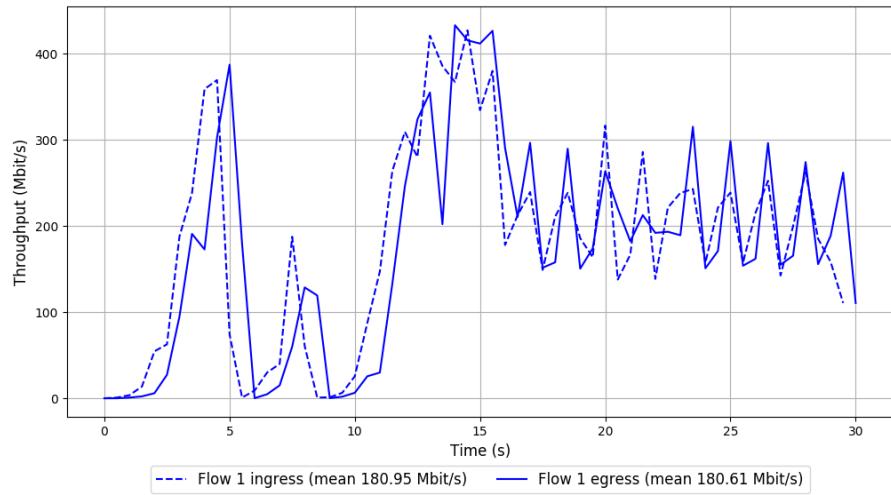


Run 4: Statistics of Verus

```
Start at: 2018-06-06 02:28:42
End at: 2018-06-06 02:29:12
Local clock offset: 0.038 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-06-06 06:03:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.61 Mbit/s
95th percentile per-packet one-way delay: 180.313 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 180.61 Mbit/s
95th percentile per-packet one-way delay: 180.313 ms
Loss rate: 0.18%
```

Run 4: Report of Verus — Data Link

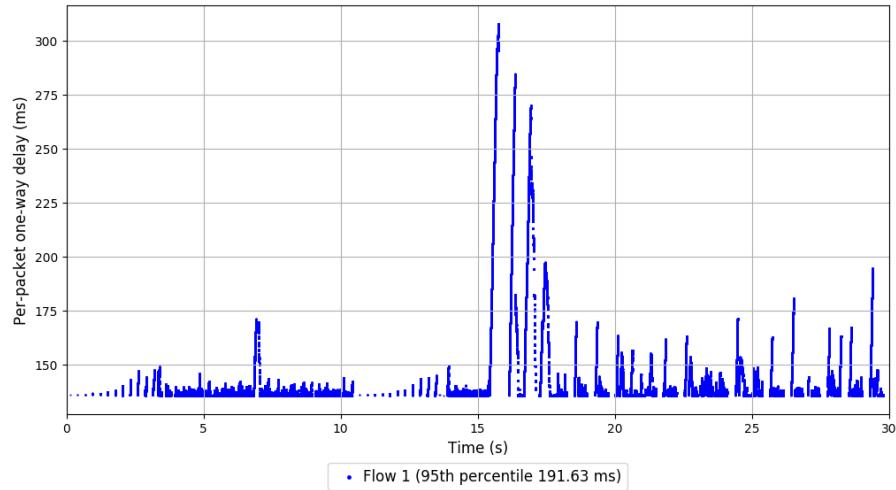
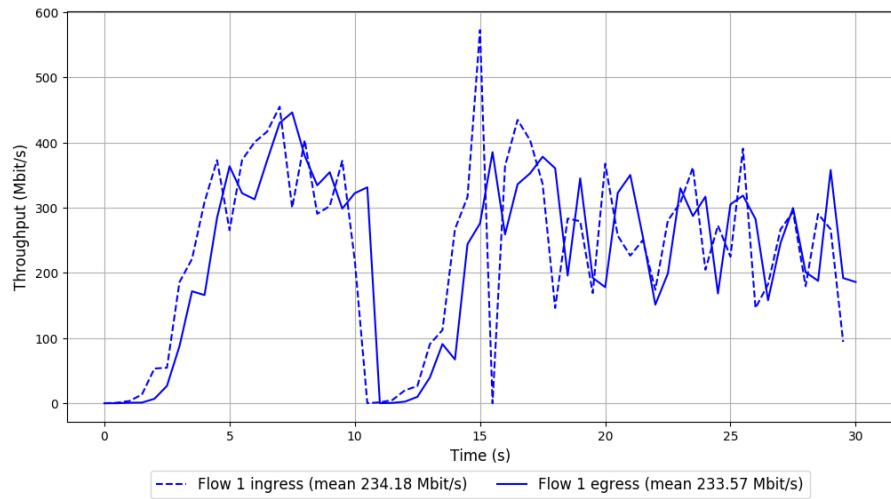


Run 5: Statistics of Verus

```
Start at: 2018-06-06 02:50:13
End at: 2018-06-06 02:50:43
Local clock offset: -0.122 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-06-06 06:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.57 Mbit/s
95th percentile per-packet one-way delay: 191.635 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 233.57 Mbit/s
95th percentile per-packet one-way delay: 191.635 ms
Loss rate: 0.26%
```

Run 5: Report of Verus — Data Link

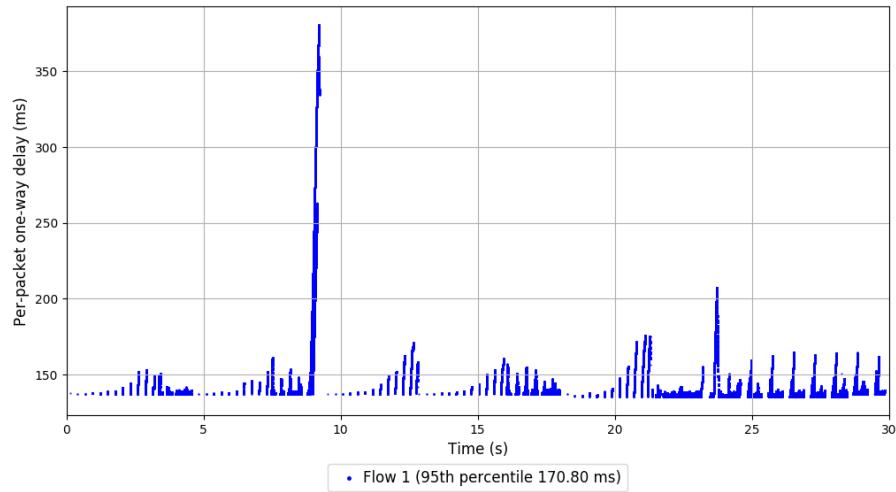
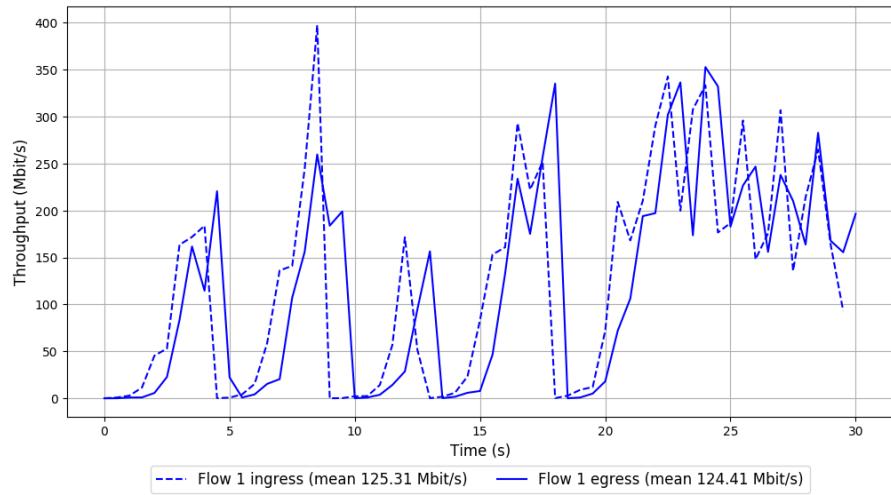


Run 6: Statistics of Verus

```
Start at: 2018-06-06 03:11:53
End at: 2018-06-06 03:12:23
Local clock offset: -0.147 ms
Remote clock offset: 0.308 ms

# Below is generated by plot.py at 2018-06-06 06:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.41 Mbit/s
95th percentile per-packet one-way delay: 170.803 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 124.41 Mbit/s
95th percentile per-packet one-way delay: 170.803 ms
Loss rate: 0.72%
```

Run 6: Report of Verus — Data Link

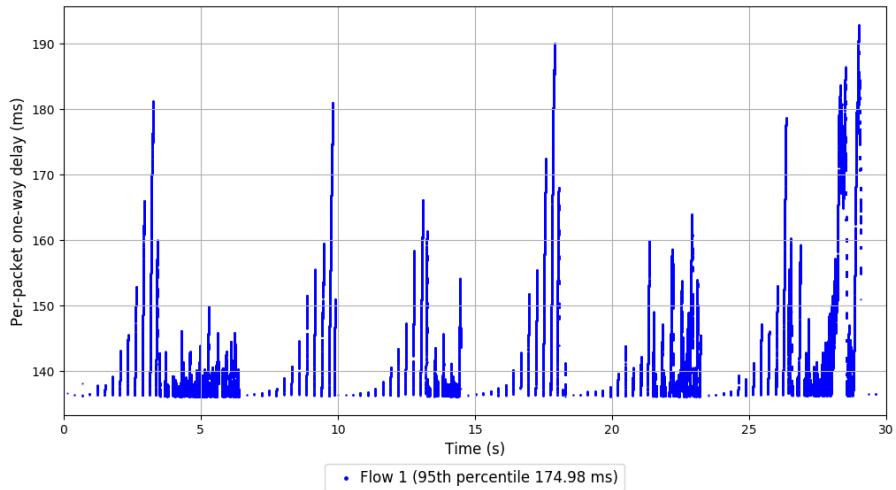
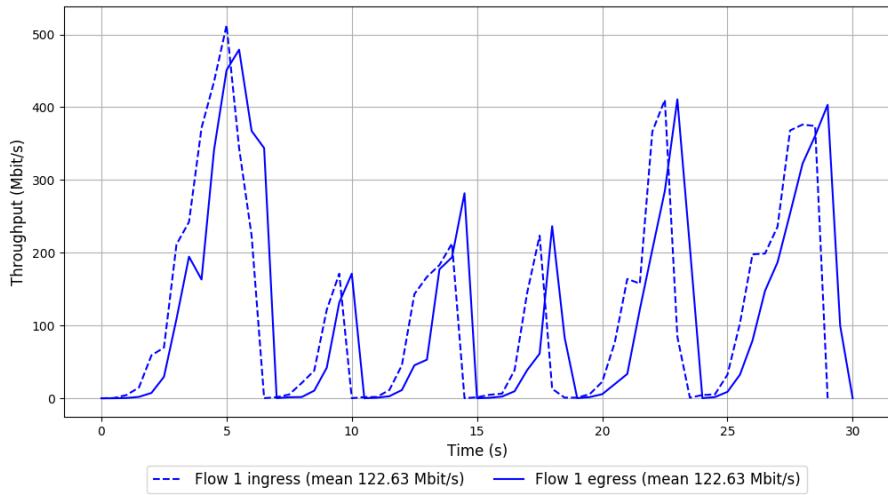


Run 7: Statistics of Verus

```
Start at: 2018-06-06 03:33:07
End at: 2018-06-06 03:33:37
Local clock offset: 0.105 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-06-06 06:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.63 Mbit/s
95th percentile per-packet one-way delay: 174.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.63 Mbit/s
95th percentile per-packet one-way delay: 174.980 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link

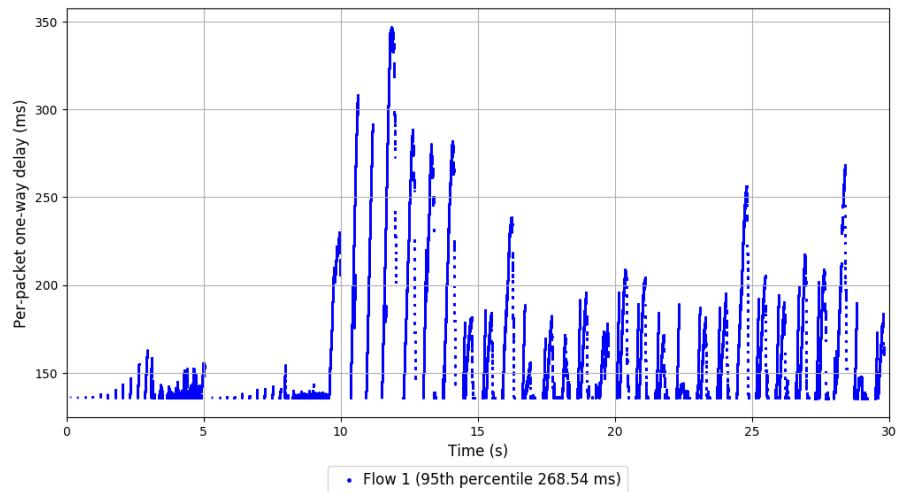
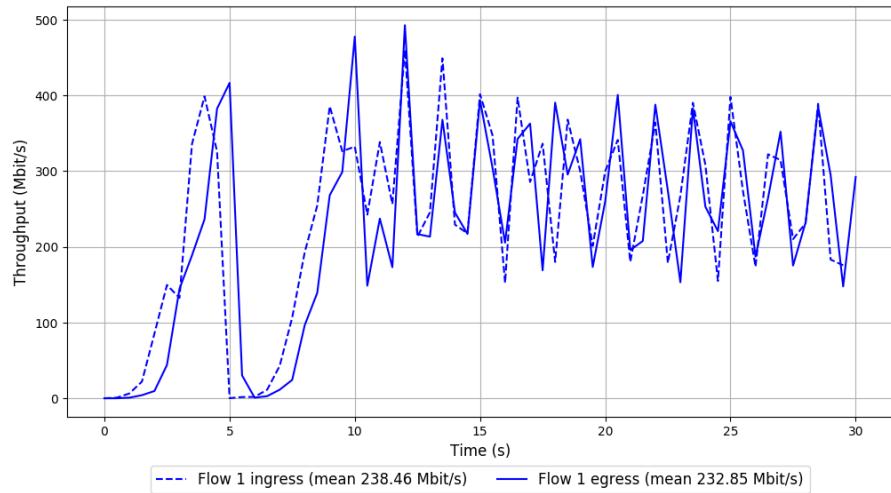


Run 8: Statistics of Verus

```
Start at: 2018-06-06 03:54:15
End at: 2018-06-06 03:54:45
Local clock offset: 0.202 ms
Remote clock offset: -0.443 ms

# Below is generated by plot.py at 2018-06-06 06:04:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.85 Mbit/s
95th percentile per-packet one-way delay: 268.541 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 232.85 Mbit/s
95th percentile per-packet one-way delay: 268.541 ms
Loss rate: 2.34%
```

Run 8: Report of Verus — Data Link

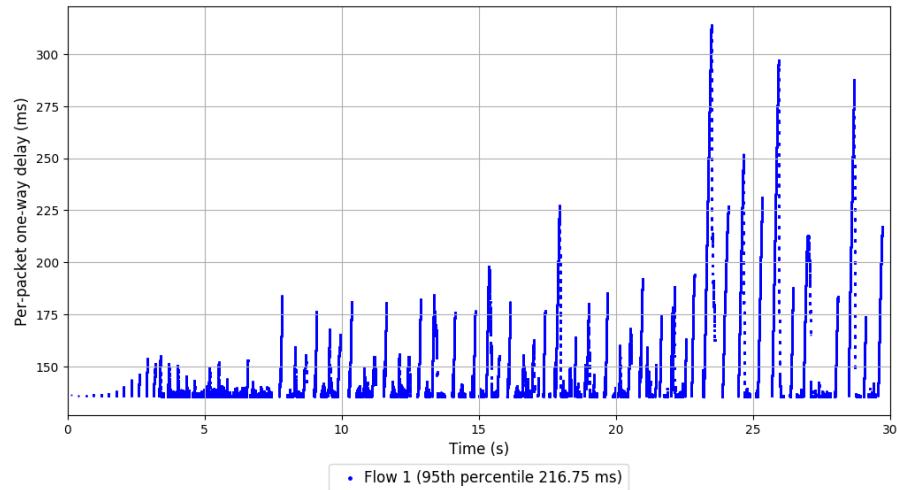
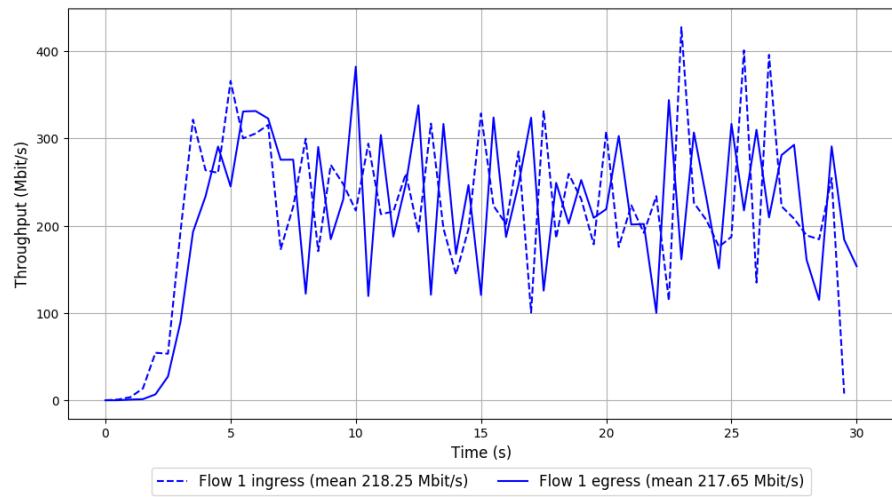


Run 9: Statistics of Verus

```
Start at: 2018-06-06 04:15:28
End at: 2018-06-06 04:15:58
Local clock offset: 0.201 ms
Remote clock offset: -0.538 ms

# Below is generated by plot.py at 2018-06-06 06:05:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.65 Mbit/s
95th percentile per-packet one-way delay: 216.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.65 Mbit/s
95th percentile per-packet one-way delay: 216.746 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

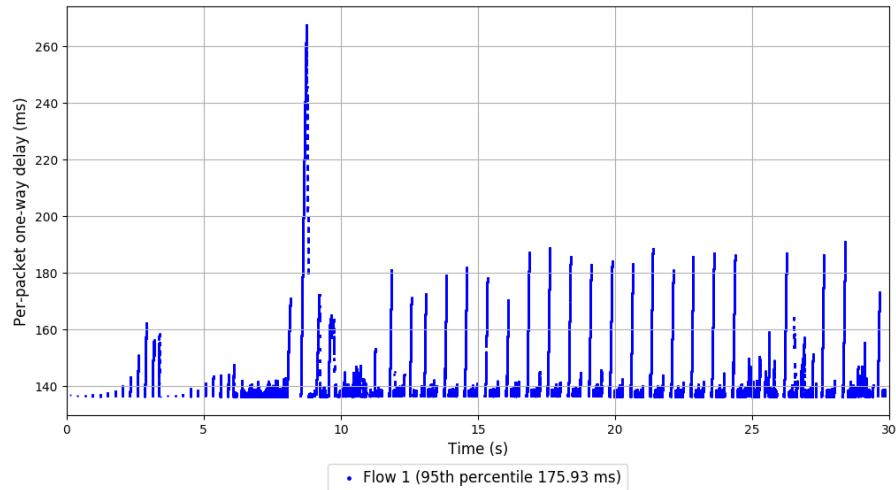
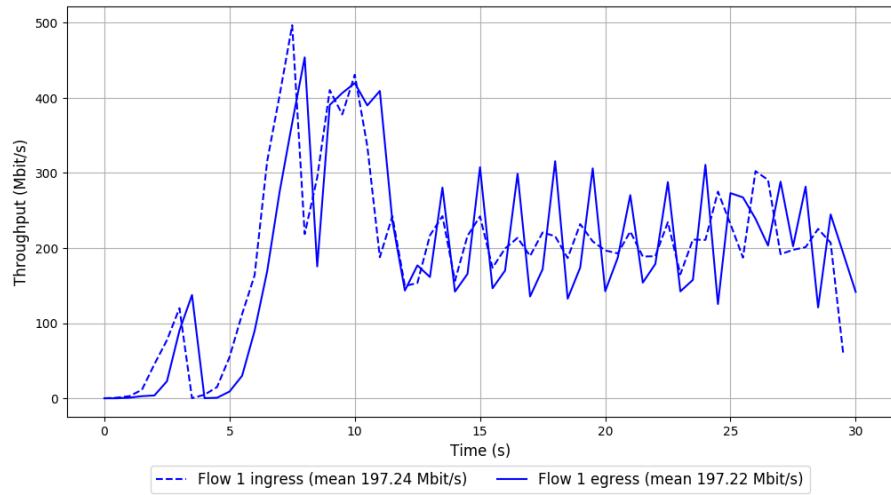


Run 10: Statistics of Verus

```
Start at: 2018-06-06 04:37:02
End at: 2018-06-06 04:37:32
Local clock offset: 0.01 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-06 06:05:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.22 Mbit/s
95th percentile per-packet one-way delay: 175.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.22 Mbit/s
95th percentile per-packet one-way delay: 175.932 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link

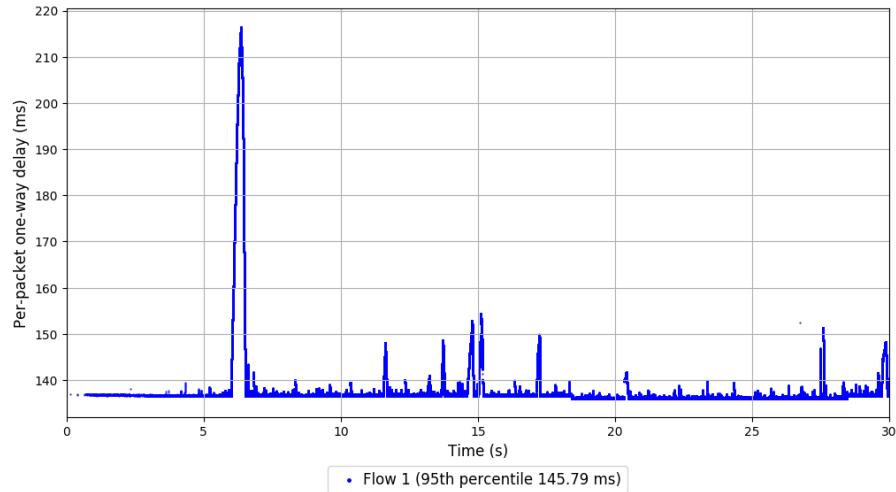
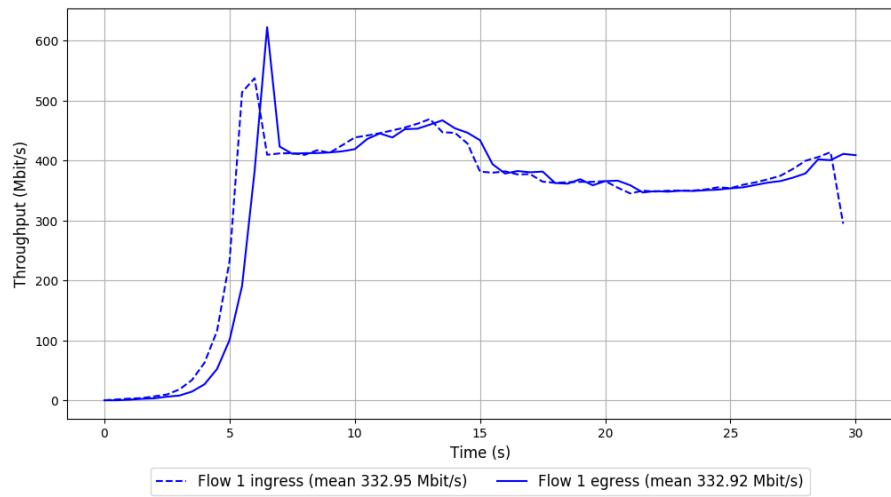


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-06-06 01:18:03
End at: 2018-06-06 01:18:33
Local clock offset: -0.299 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-06-06 06:08:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 332.92 Mbit/s
95th percentile per-packet one-way delay: 145.789 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 332.92 Mbit/s
95th percentile per-packet one-way delay: 145.789 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Vivace — Data Link

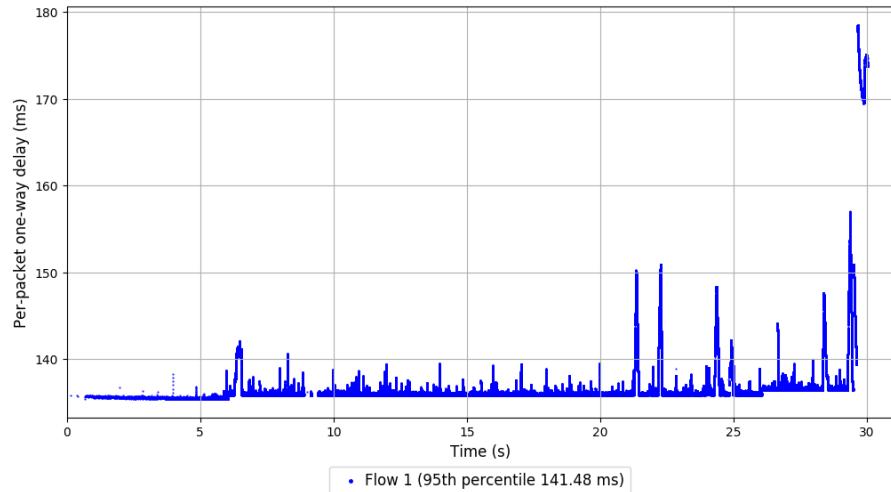
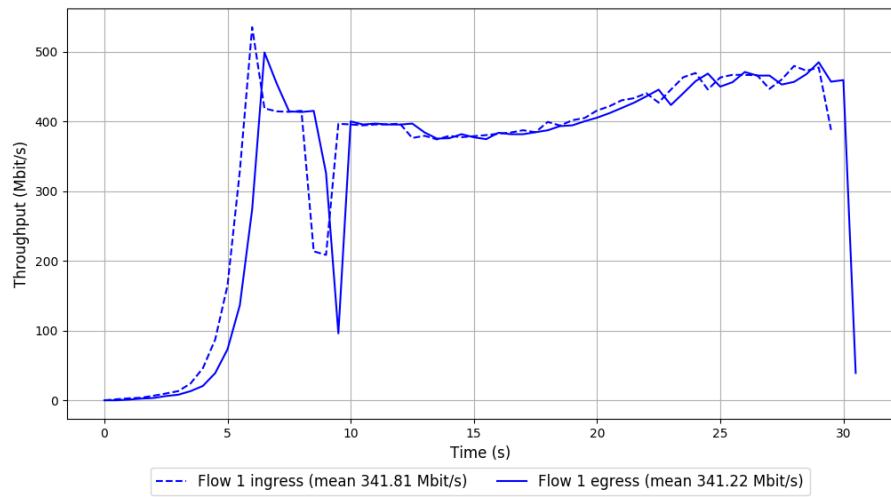


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-06 01:39:06
End at: 2018-06-06 01:39:36
Local clock offset: -0.255 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-06 06:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 341.22 Mbit/s
95th percentile per-packet one-way delay: 141.476 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 341.22 Mbit/s
95th percentile per-packet one-way delay: 141.476 ms
Loss rate: 0.17%
```

Run 2: Report of PCC-Vivace — Data Link

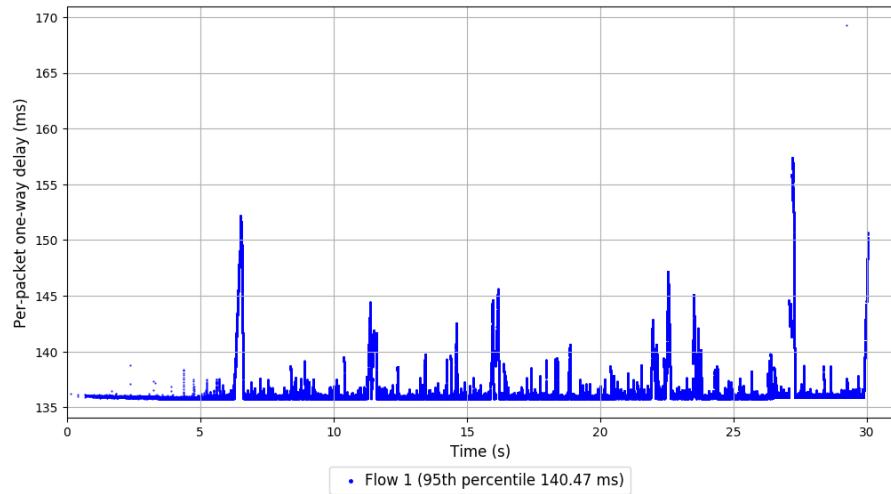
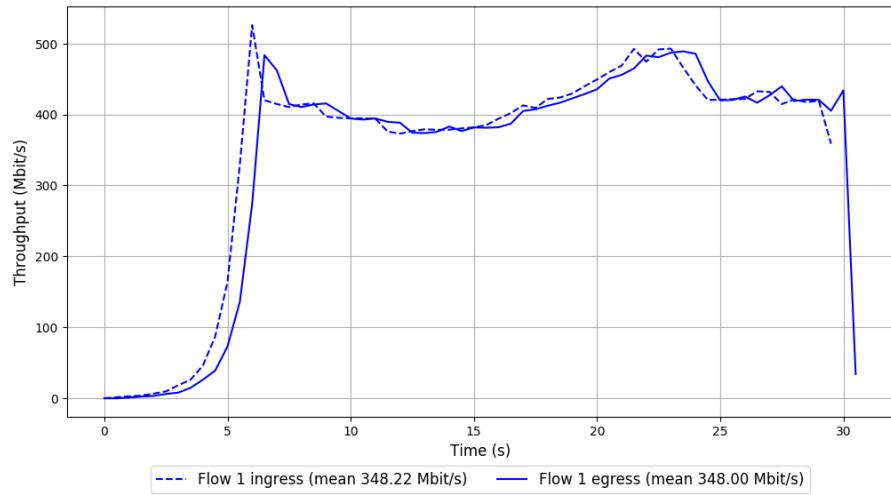


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-06 02:00:25
End at: 2018-06-06 02:00:55
Local clock offset: -0.244 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-06-06 06:08:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 348.00 Mbit/s
95th percentile per-packet one-way delay: 140.471 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 348.00 Mbit/s
95th percentile per-packet one-way delay: 140.471 ms
Loss rate: 0.06%
```

Run 3: Report of PCC-Vivace — Data Link

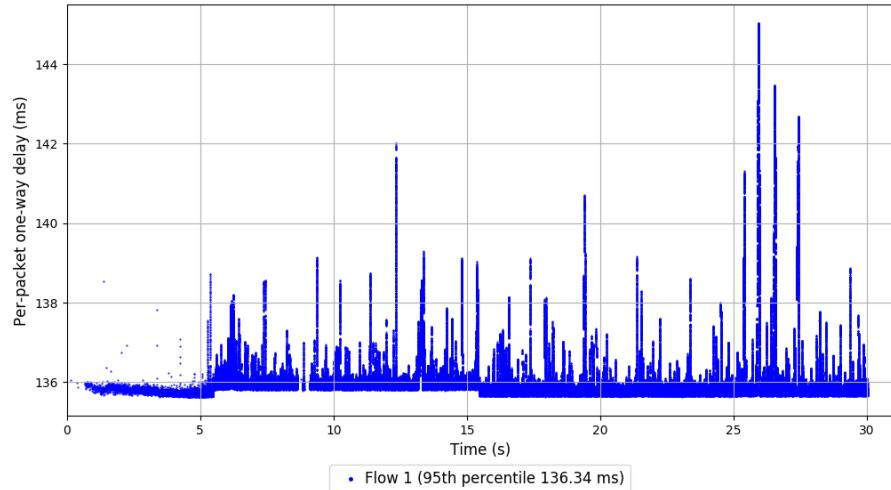
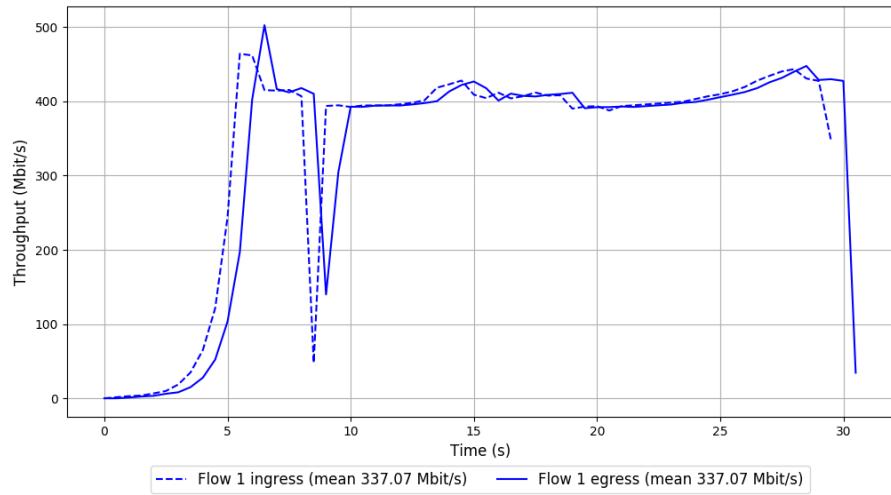


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-06 02:22:06
End at: 2018-06-06 02:22:36
Local clock offset: -0.087 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-06-06 06:08:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.07 Mbit/s
95th percentile per-packet one-way delay: 136.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 337.07 Mbit/s
95th percentile per-packet one-way delay: 136.345 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

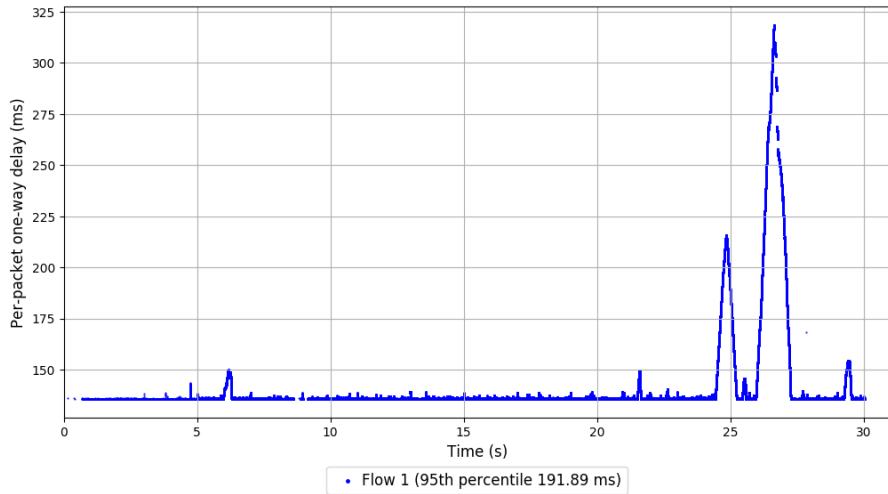
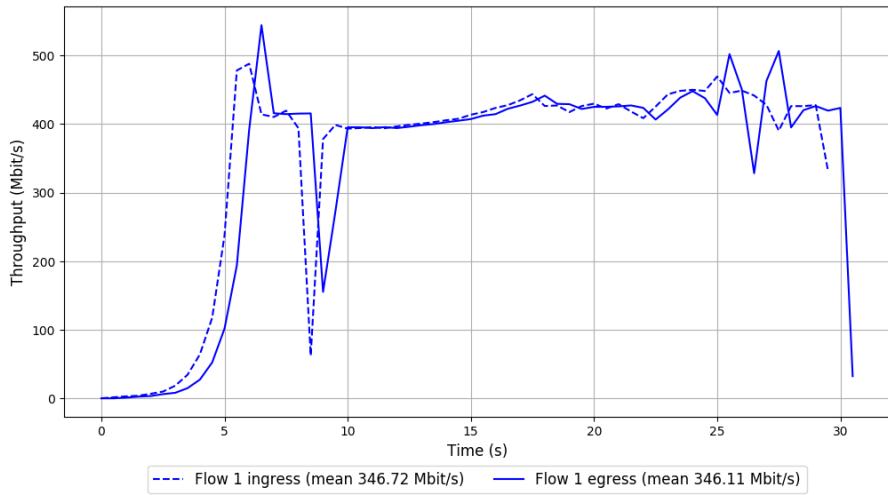


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-06 02:43:39
End at: 2018-06-06 02:44:09
Local clock offset: -0.024 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-06-06 06:10:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.11 Mbit/s
95th percentile per-packet one-way delay: 191.894 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 346.11 Mbit/s
95th percentile per-packet one-way delay: 191.894 ms
Loss rate: 0.18%
```

Run 5: Report of PCC-Vivace — Data Link

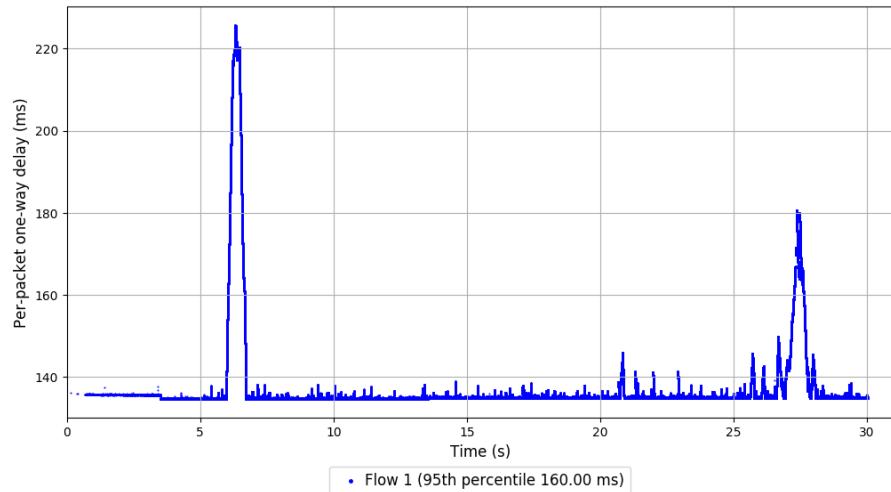
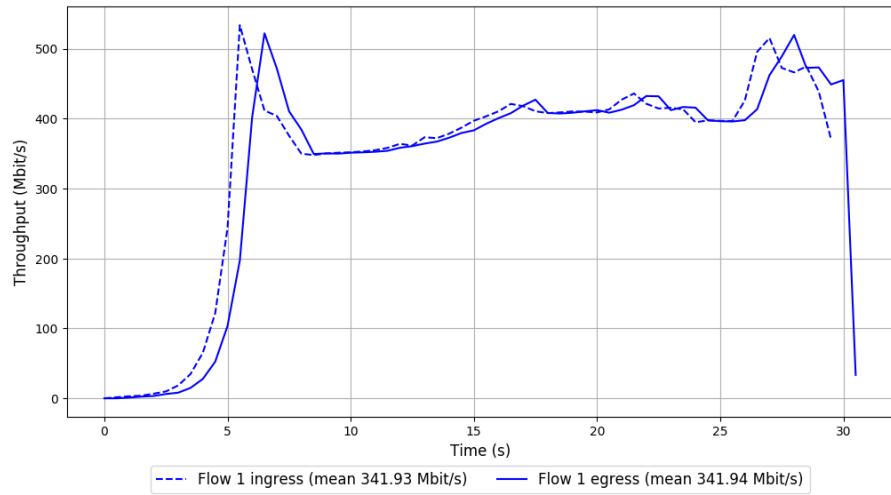


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-06 03:05:18
End at: 2018-06-06 03:05:48
Local clock offset: 0.013 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-06-06 06:10:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 341.94 Mbit/s
95th percentile per-packet one-way delay: 160.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 341.94 Mbit/s
95th percentile per-packet one-way delay: 160.004 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

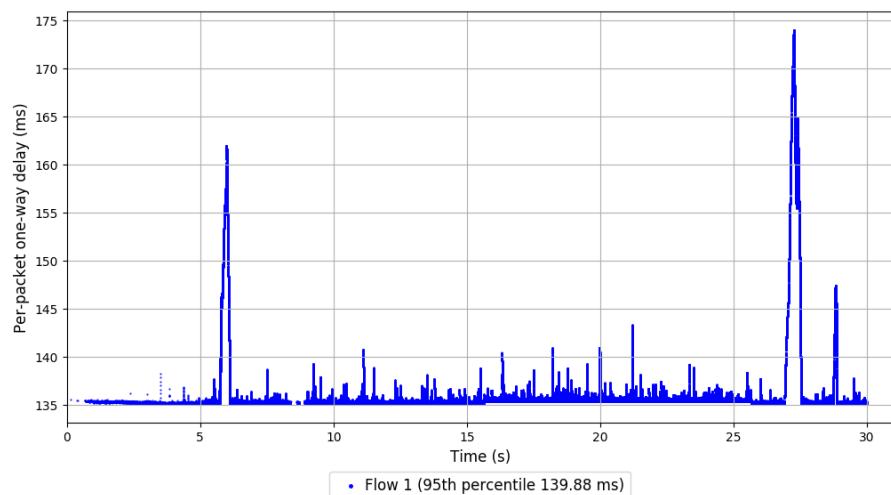
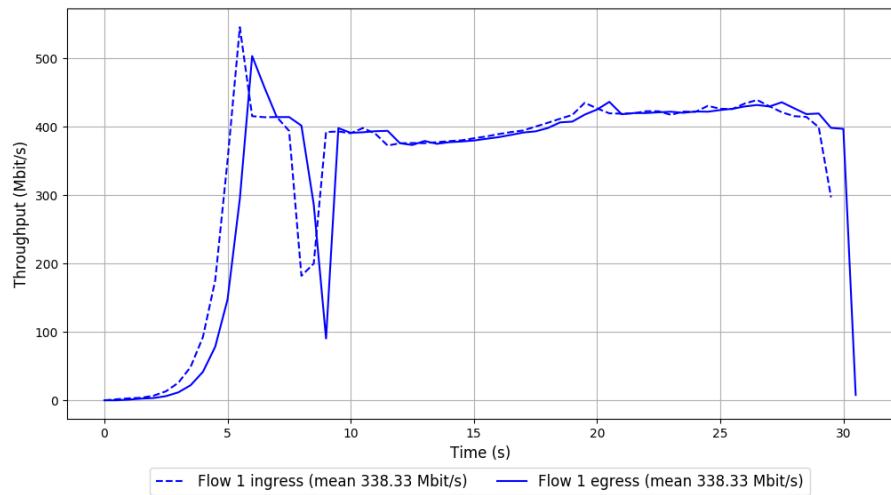


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-06 03:26:36
End at: 2018-06-06 03:27:06
Local clock offset: 0.113 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-06 06:10:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 338.33 Mbit/s
95th percentile per-packet one-way delay: 139.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 338.33 Mbit/s
95th percentile per-packet one-way delay: 139.875 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Vivace — Data Link

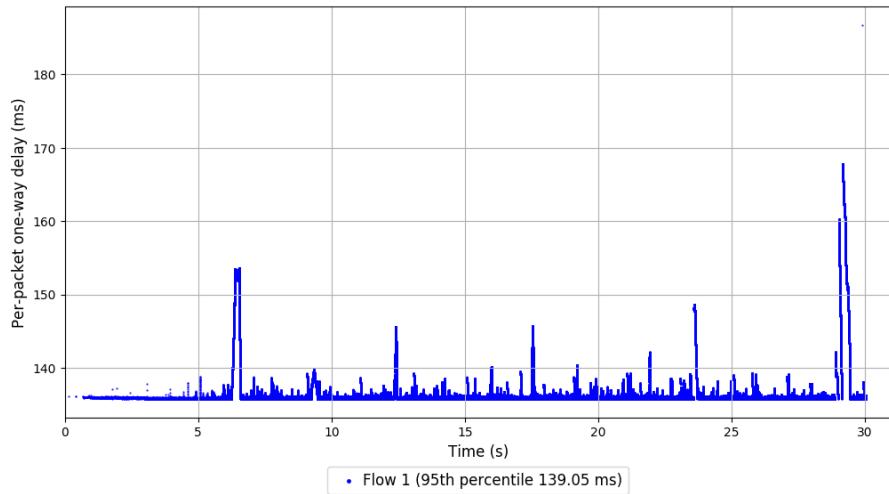
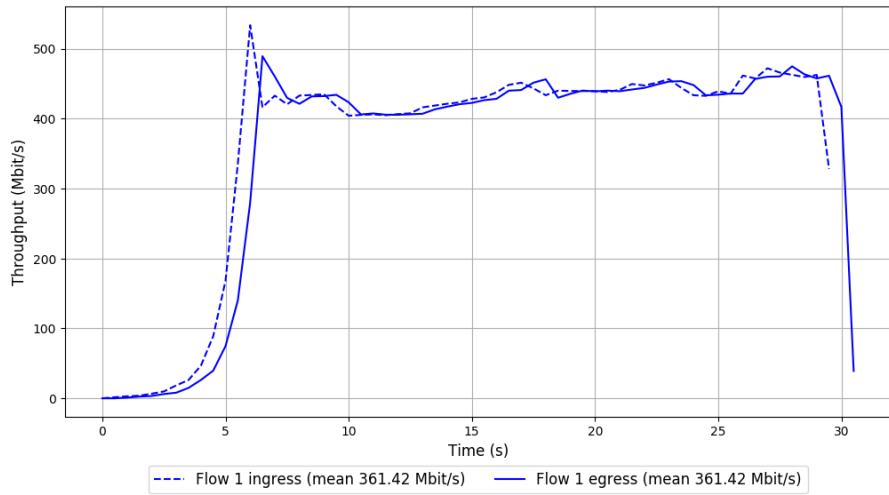


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-06 03:47:45
End at: 2018-06-06 03:48:15
Local clock offset: -0.181 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-06-06 06:10:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 361.42 Mbit/s
95th percentile per-packet one-way delay: 139.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 361.42 Mbit/s
95th percentile per-packet one-way delay: 139.050 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

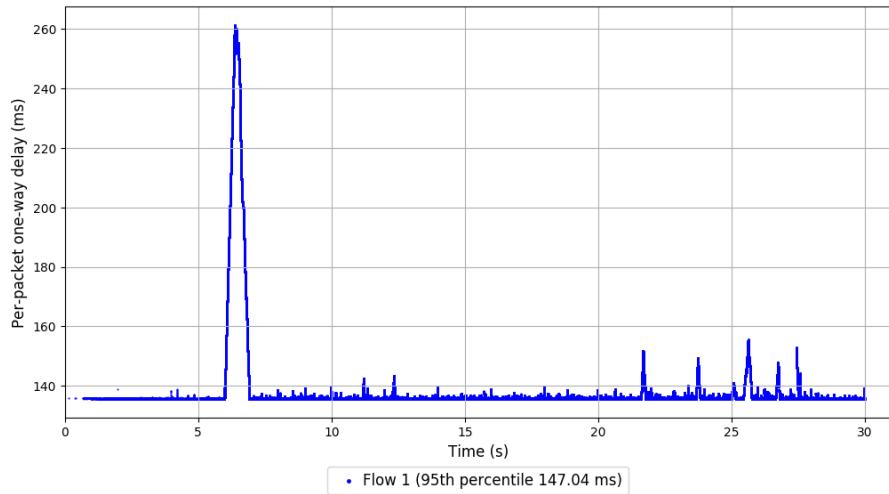
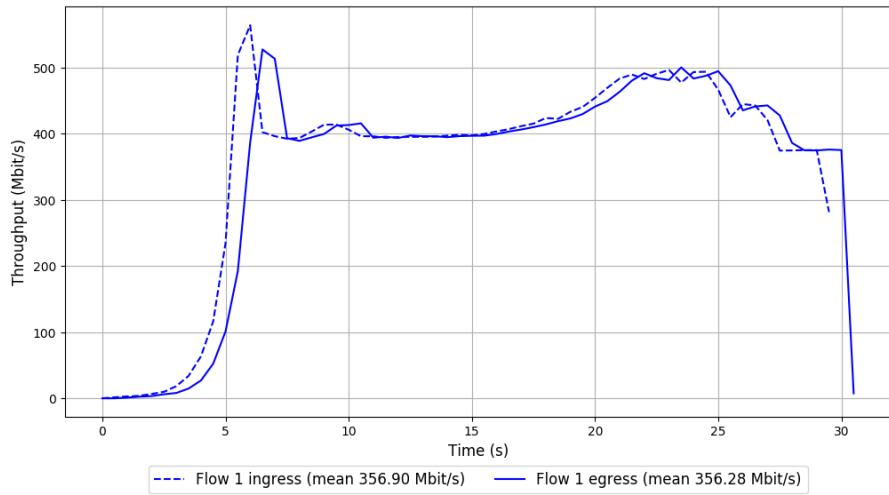


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-06 04:08:58
End at: 2018-06-06 04:09:28
Local clock offset: 0.117 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2018-06-06 06:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.28 Mbit/s
95th percentile per-packet one-way delay: 147.045 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 356.28 Mbit/s
95th percentile per-packet one-way delay: 147.045 ms
Loss rate: 0.17%
```

Run 9: Report of PCC-Vivace — Data Link

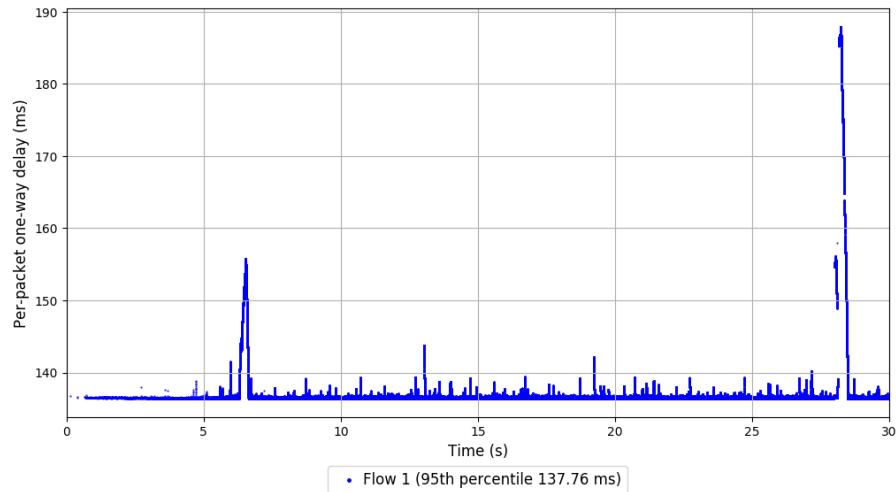
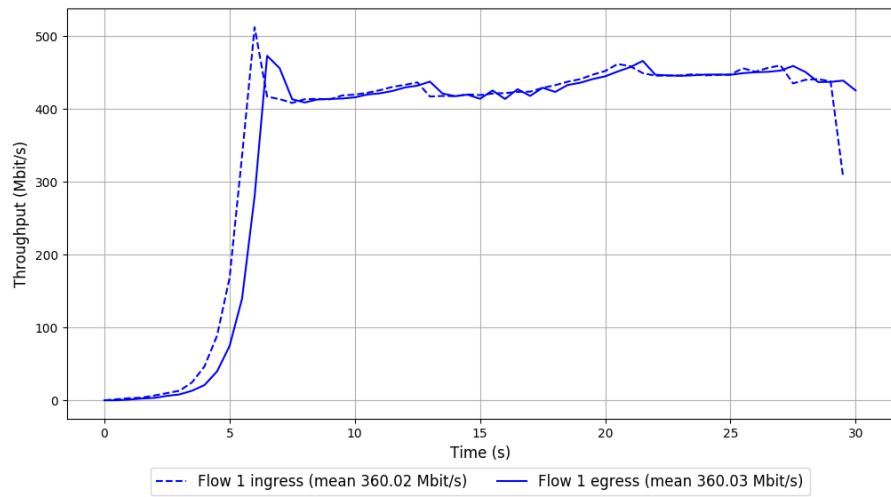


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-06 04:30:31
End at: 2018-06-06 04:31:01
Local clock offset: -0.131 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-06 06:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.03 Mbit/s
95th percentile per-packet one-way delay: 137.760 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 360.03 Mbit/s
95th percentile per-packet one-way delay: 137.760 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link

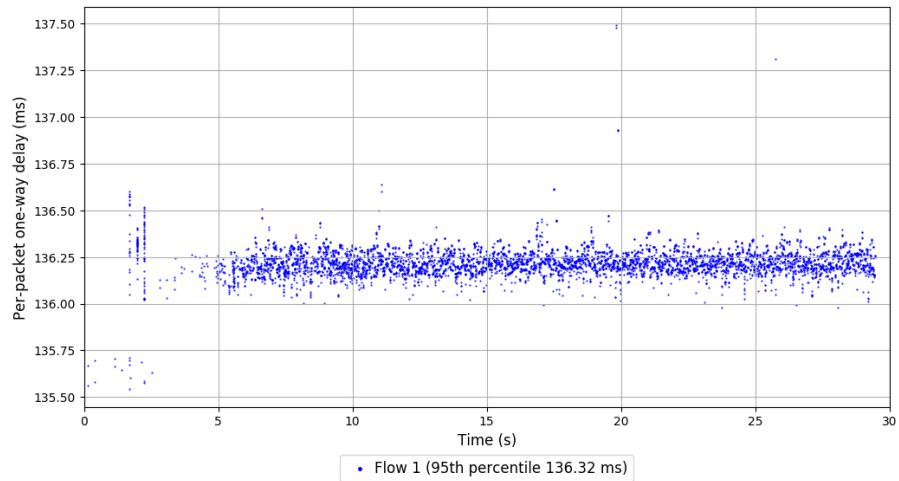
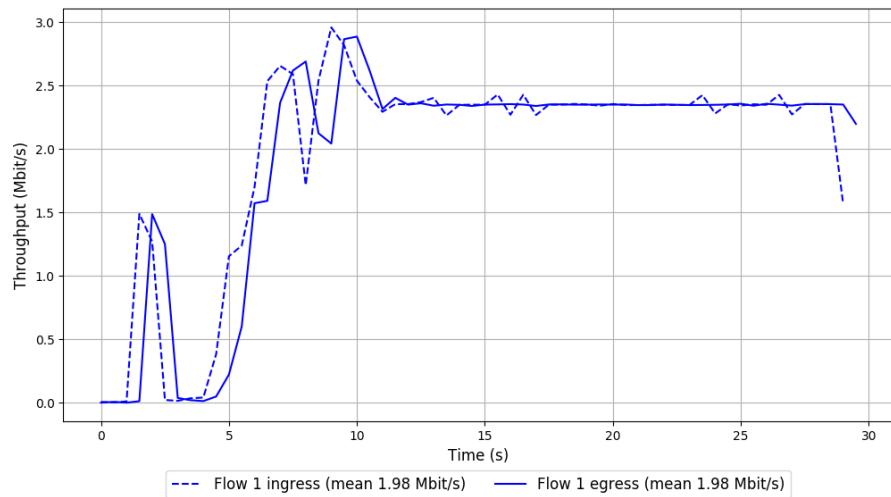


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-06 01:28:38
End at: 2018-06-06 01:29:08
Local clock offset: -0.188 ms
Remote clock offset: -0.416 ms

# Below is generated by plot.py at 2018-06-06 06:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 136.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 136.322 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

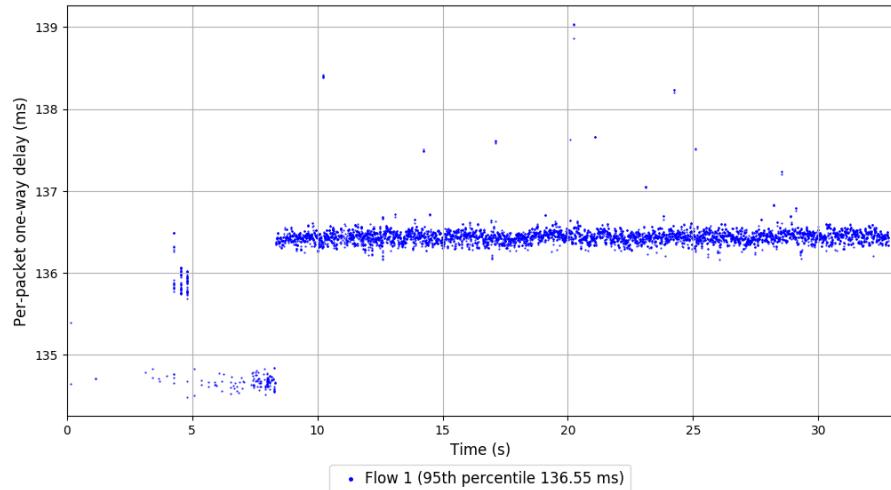
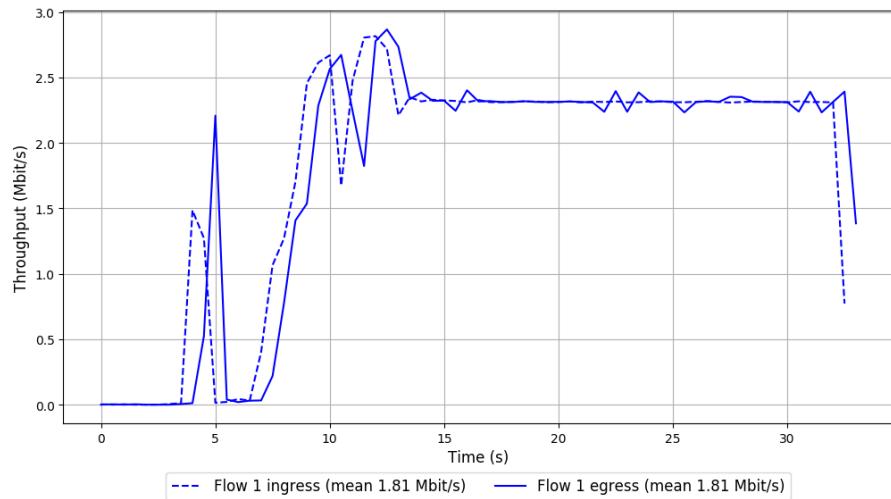


```
Run 2: Statistics of WebRTC media

Start at: 2018-06-06 01:49:56
End at: 2018-06-06 01:50:26
Local clock offset: 0.065 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-06-06 06:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.549 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

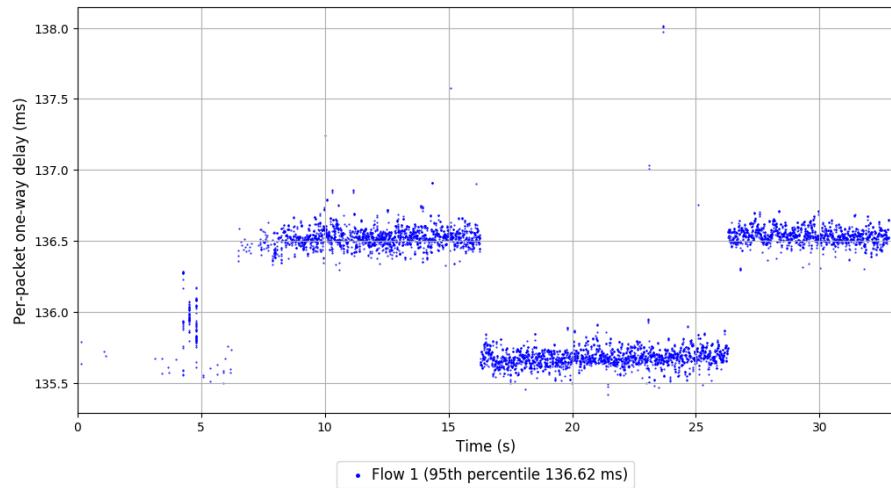
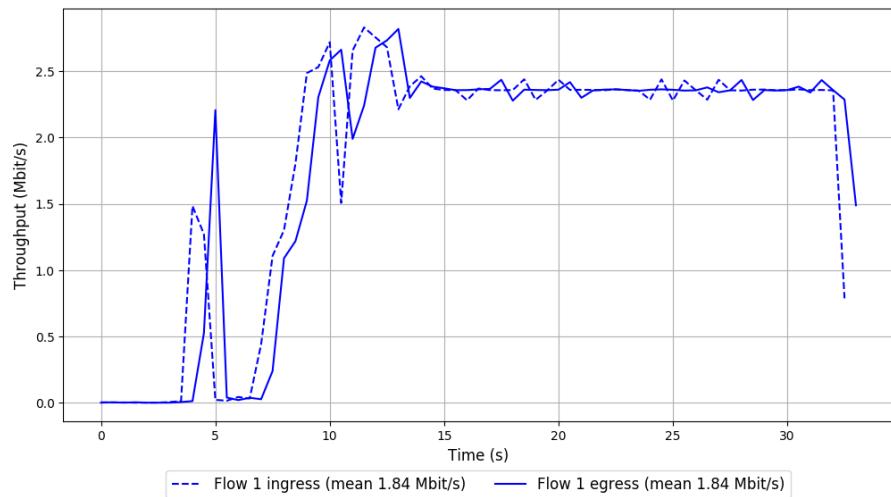


Run 3: Statistics of WebRTC media

```
Start at: 2018-06-06 02:11:38
End at: 2018-06-06 02:12:08
Local clock offset: 0.009 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-06-06 06:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.615 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

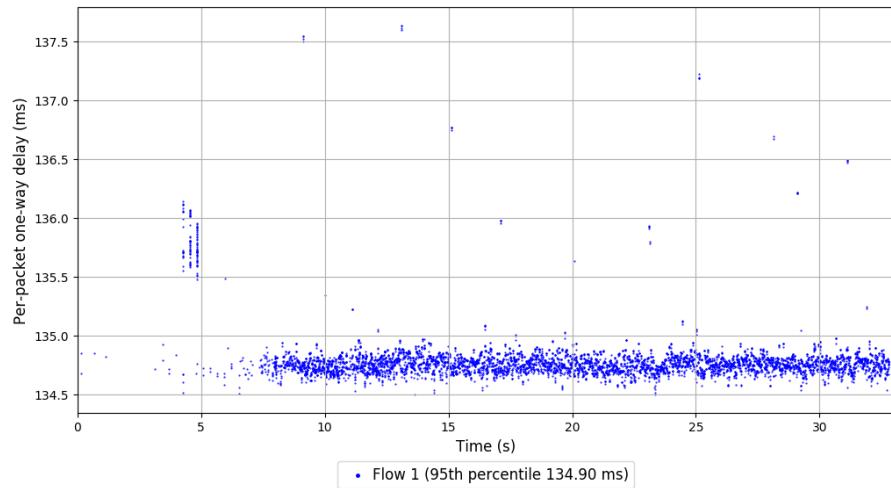
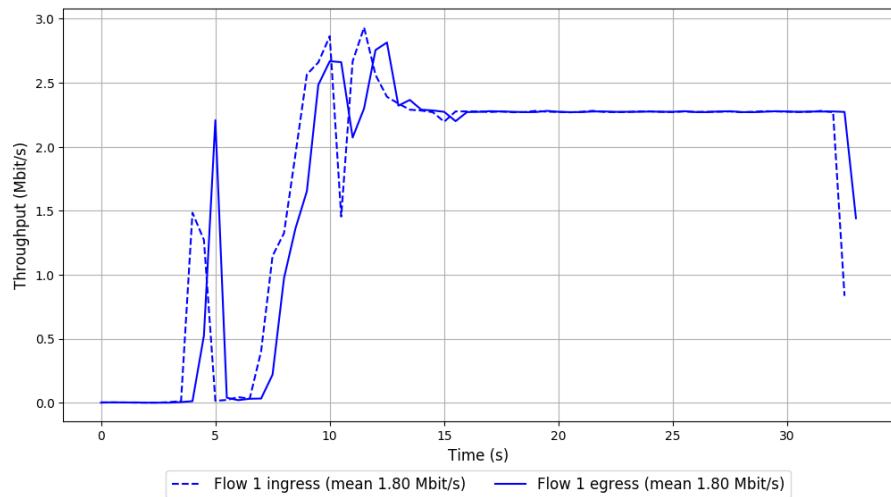


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-06 02:33:09
End at: 2018-06-06 02:33:39
Local clock offset: 0.177 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-06-06 06:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 134.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 134.895 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

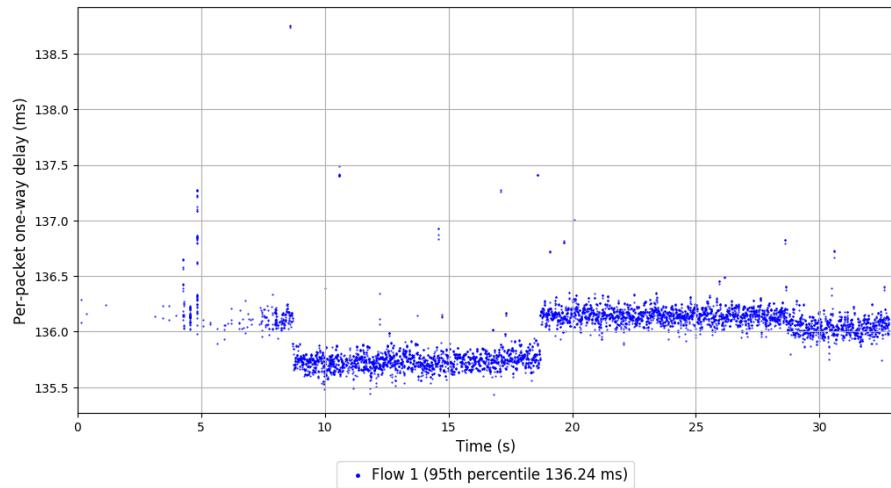
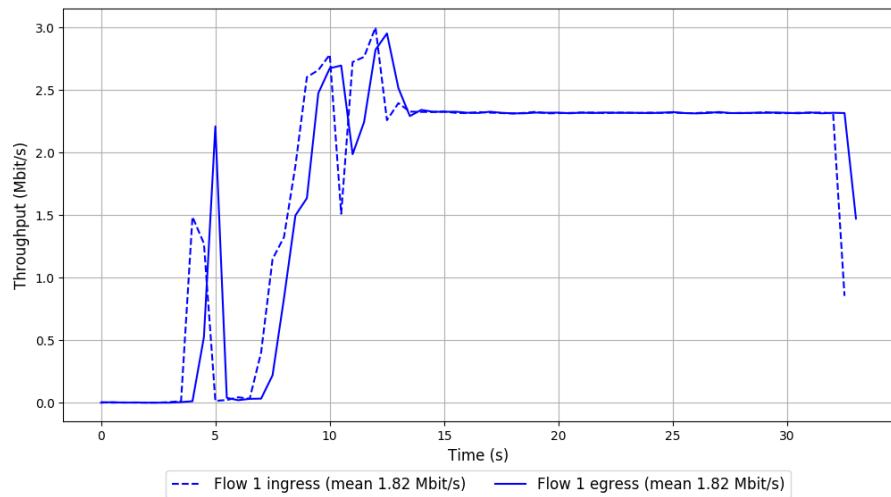


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-06 02:54:46
End at: 2018-06-06 02:55:16
Local clock offset: -0.282 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-06-06 06:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

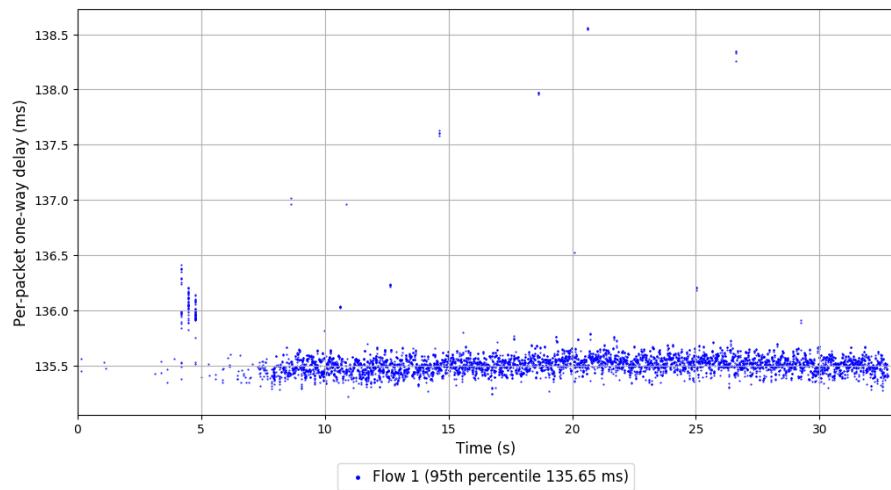
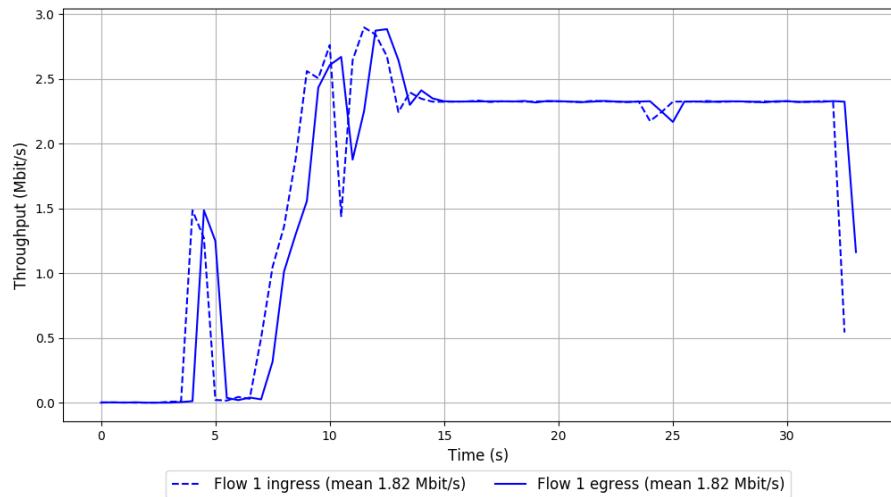


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-06 03:16:06
End at: 2018-06-06 03:16:36
Local clock offset: 0.102 ms
Remote clock offset: -0.473 ms

# Below is generated by plot.py at 2018-06-06 06:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 135.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 135.645 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

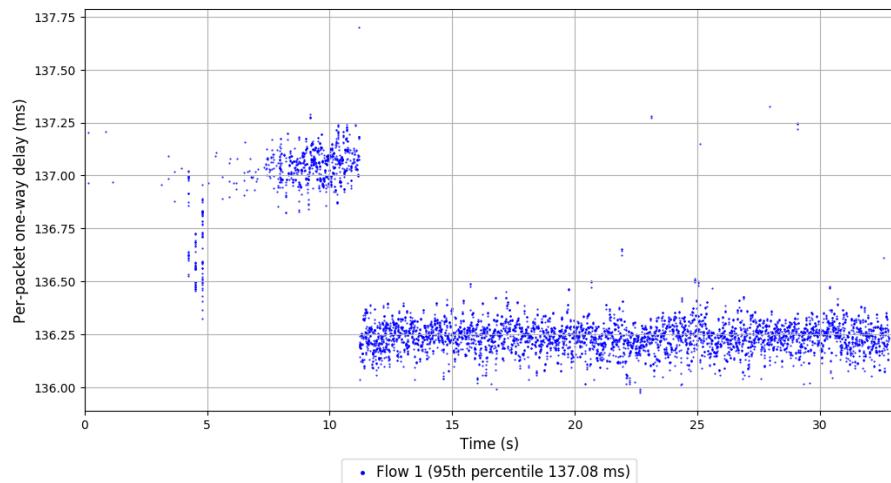
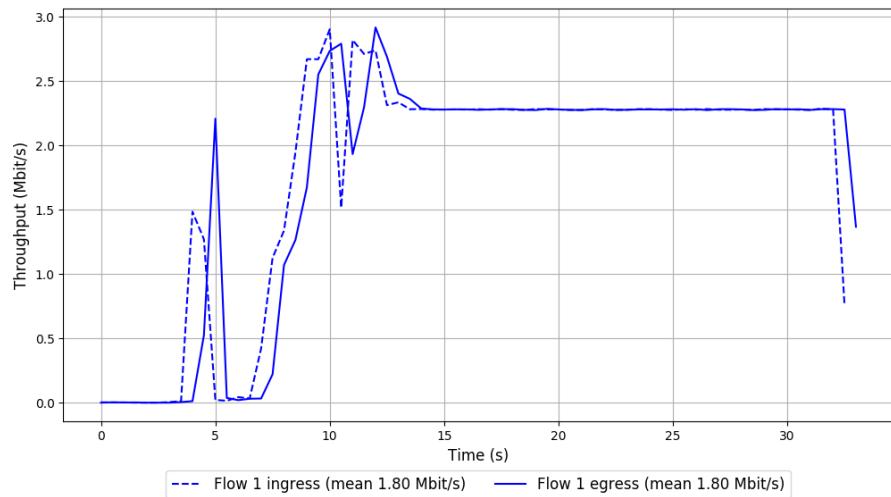


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-06 03:37:33
End at: 2018-06-06 03:38:03
Local clock offset: -0.435 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-06-06 06:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 137.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 137.079 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

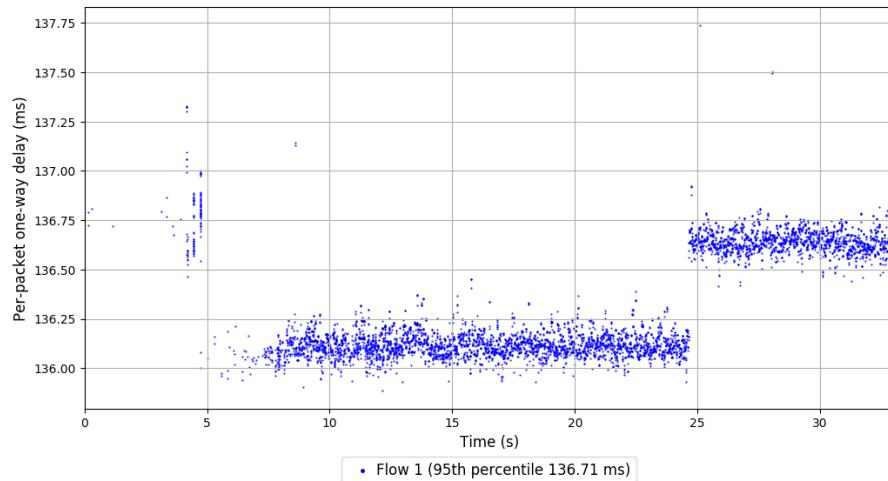
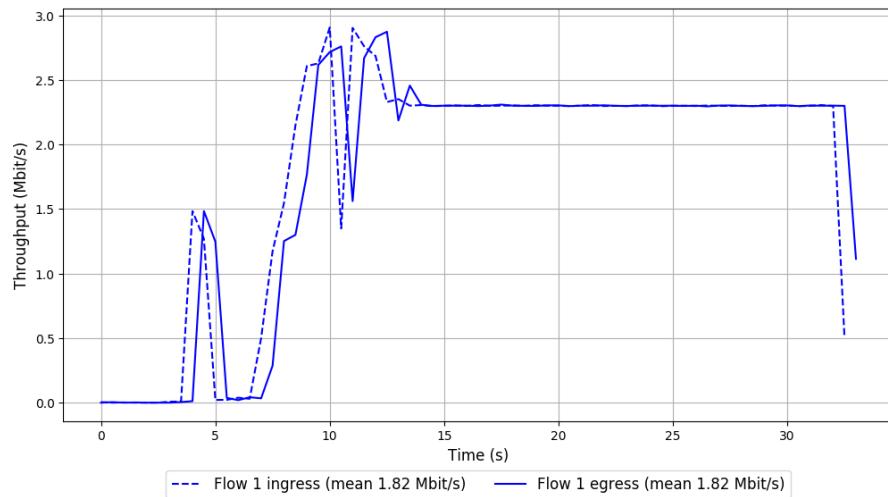


```
Run 8: Statistics of WebRTC media

Start at: 2018-06-06 03:58:50
End at: 2018-06-06 03:59:20
Local clock offset: -0.19 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-06-06 06:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.708 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

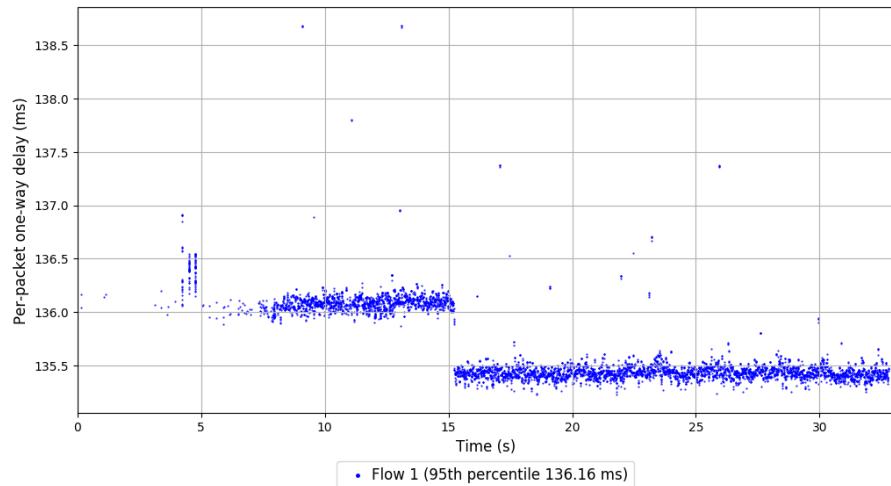
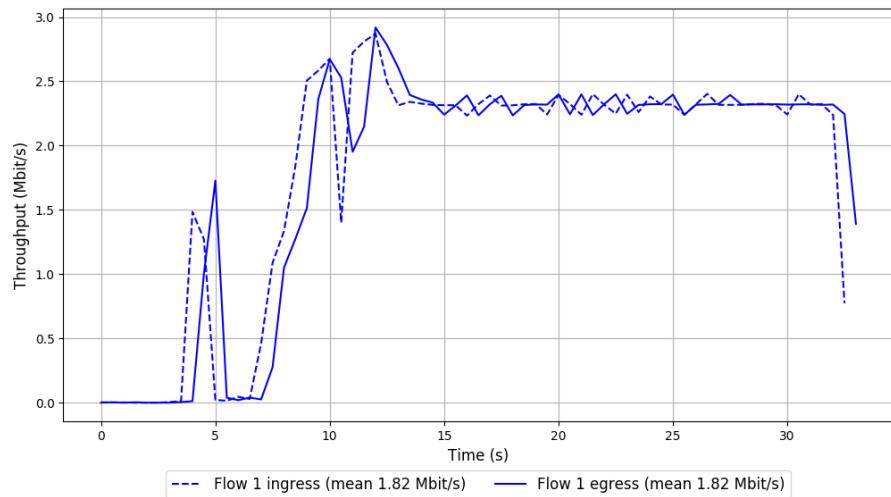


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-06 04:19:59
End at: 2018-06-06 04:20:29
Local clock offset: -0.052 ms
Remote clock offset: -0.493 ms

# Below is generated by plot.py at 2018-06-06 06:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.165 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-06-06 04:41:35
End at: 2018-06-06 04:42:05
Local clock offset: 0.131 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-06-06 06:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 136.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 136.727 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

