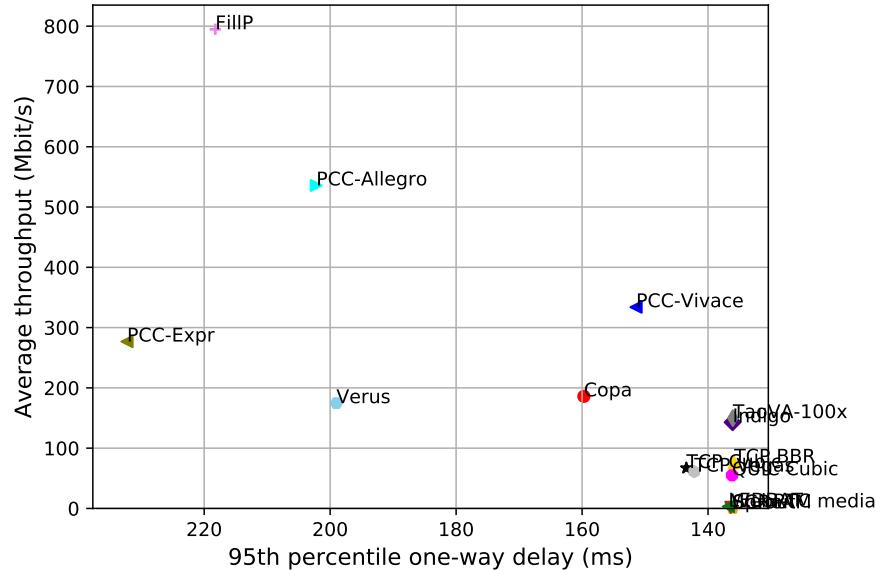


Pantheon Report

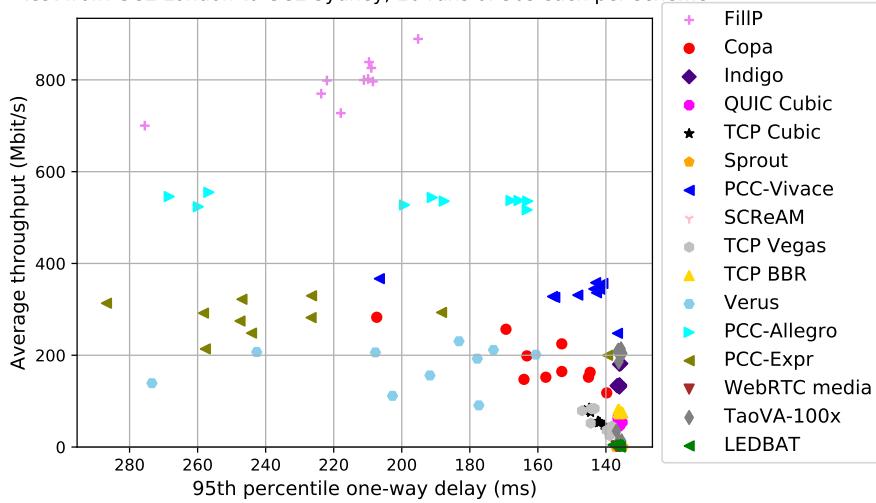
Generated at 2018-05-31 22:17:29 (UTC).
Data path: GCE London Ethernet (*remote*) → GCE Sydney Ethernet (*local*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

```
Git summary:  
branch: master @ 227fdf9a3757f17b88537ccecd5743a33037a3d2  
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834  
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf  
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
  M receiver/src/buffer.h  
  M receiver/src/core.cpp  
  M sender/src/buffer.h  
  M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
  M src/ScreamClient  
  M src/ScreamServer  
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f  
  M src/examples/cellsim.cc  
  M src/examples/sproutbt2.cc  
  M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
  M src/verus.hpp  
  M tools/plot.py  
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4  
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



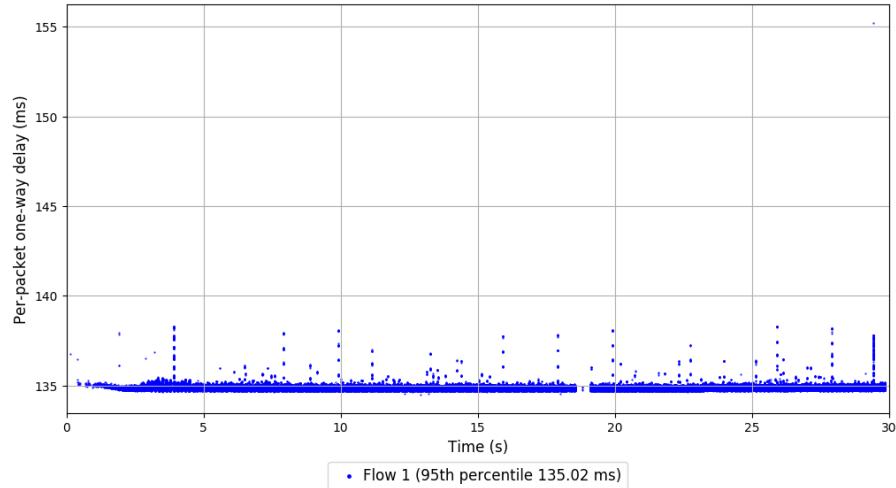
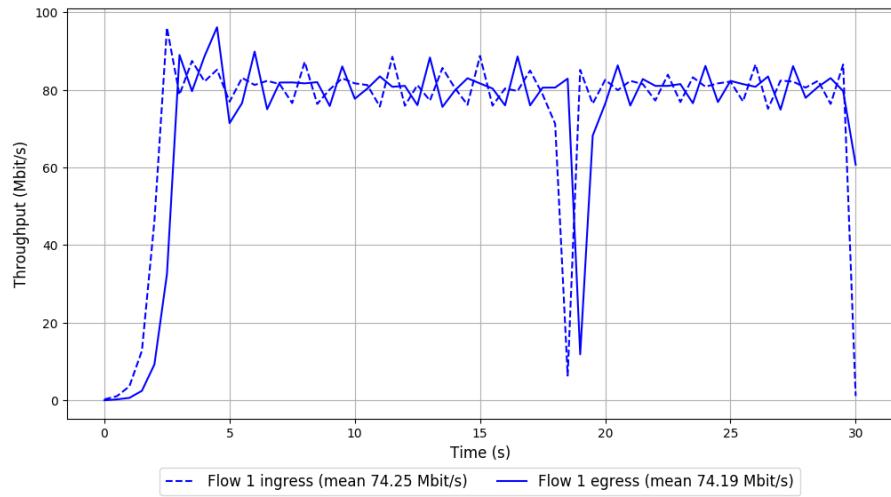
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	76.00	135.85	0.89
Copa	10	185.98	159.71	1.12
TCP Cubic	10	67.00	143.44	1.07
FillP	10	794.88	218.24	4.75
Indigo	10	142.98	136.10	0.97
LEDBAT	10	3.16	136.77	1.79
PCC-Allegro	10	535.79	202.21	2.49
PCC-Expr	10	276.81	232.25	2.92
QUIC Cubic	9	55.09	136.18	1.30
SCReAM	10	0.22	136.14	0.89
Sprout	10	0.16	136.08	0.80
TaoVA-100x	10	149.84	136.06	0.92
TCP Vegas	10	61.05	142.19	0.78
Verus	10	174.66	199.02	1.20
PCC-Vivace	10	333.86	151.43	1.38
WebRTC media	10	1.79	136.38	1.06

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-31 17:16:51
End at: 2018-05-31 17:17:21
Local clock offset: -0.265 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-05-31 21:00:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.19 Mbit/s
95th percentile per-packet one-way delay: 135.022 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 74.19 Mbit/s
95th percentile per-packet one-way delay: 135.022 ms
Loss rate: 1.04%
```

Run 1: Report of TCP BBR — Data Link

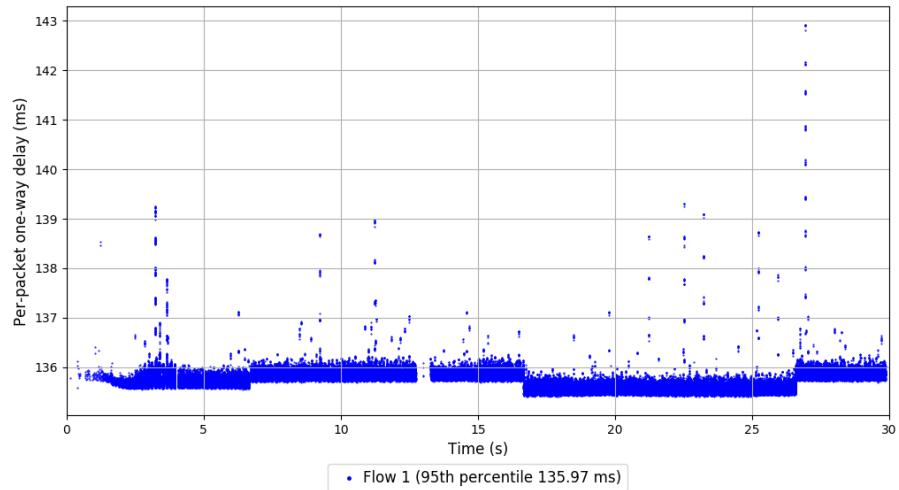
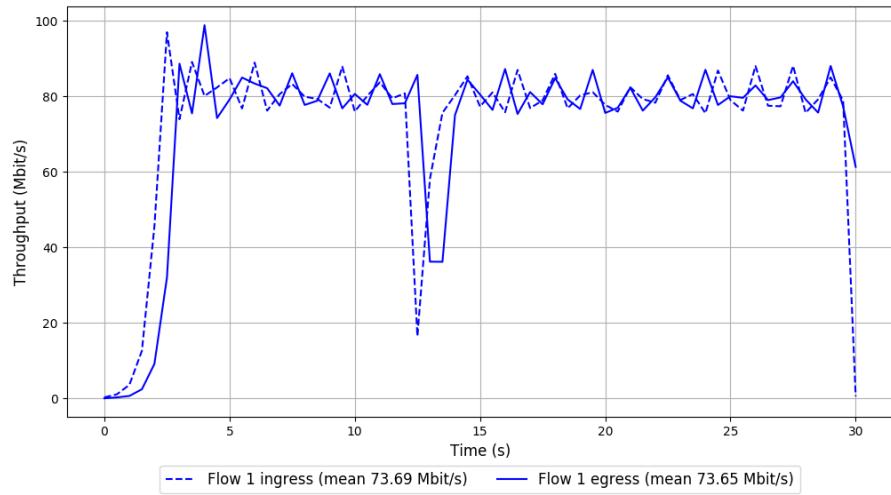


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-31 17:38:18
End at: 2018-05-31 17:38:48
Local clock offset: -0.338 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-05-31 21:00:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 135.973 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 135.973 ms
Loss rate: 0.96%
```

Run 2: Report of TCP BBR — Data Link

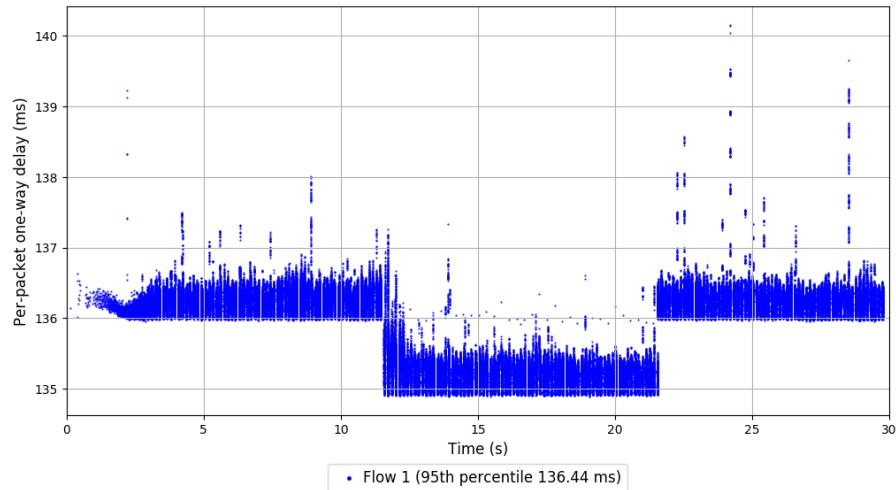
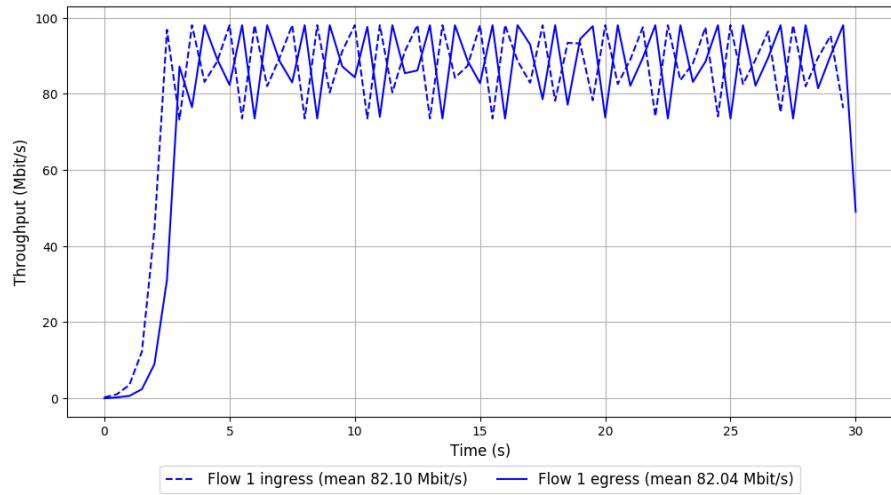


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-31 17:59:53
End at: 2018-05-31 18:00:23
Local clock offset: -0.036 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-05-31 21:00:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 136.439 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 136.439 ms
Loss rate: 1.00%
```

Run 3: Report of TCP BBR — Data Link

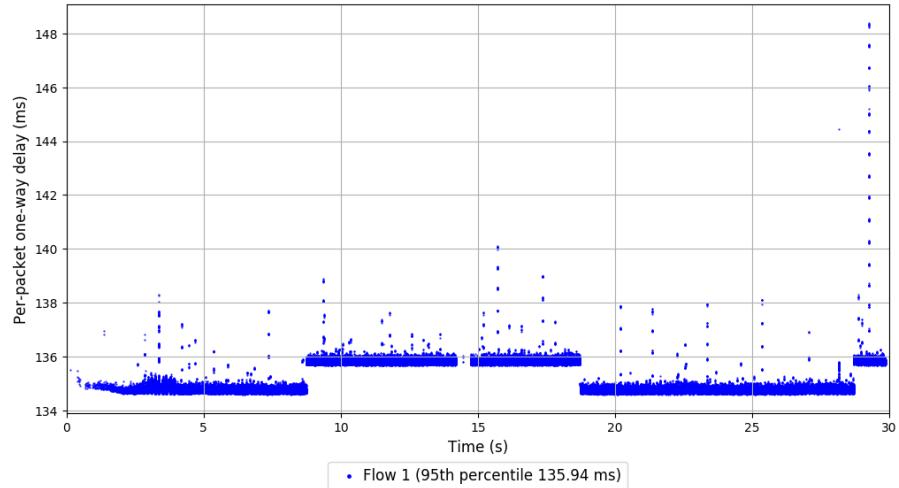
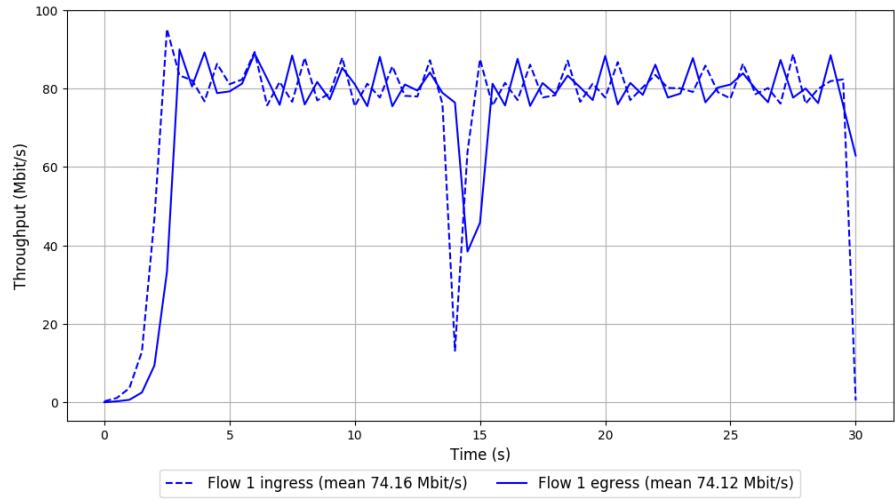


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-31 18:21:25
End at: 2018-05-31 18:21:55
Local clock offset: -0.267 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-05-31 21:00:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.12 Mbit/s
95th percentile per-packet one-way delay: 135.936 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 74.12 Mbit/s
95th percentile per-packet one-way delay: 135.936 ms
Loss rate: 0.96%
```

Run 4: Report of TCP BBR — Data Link

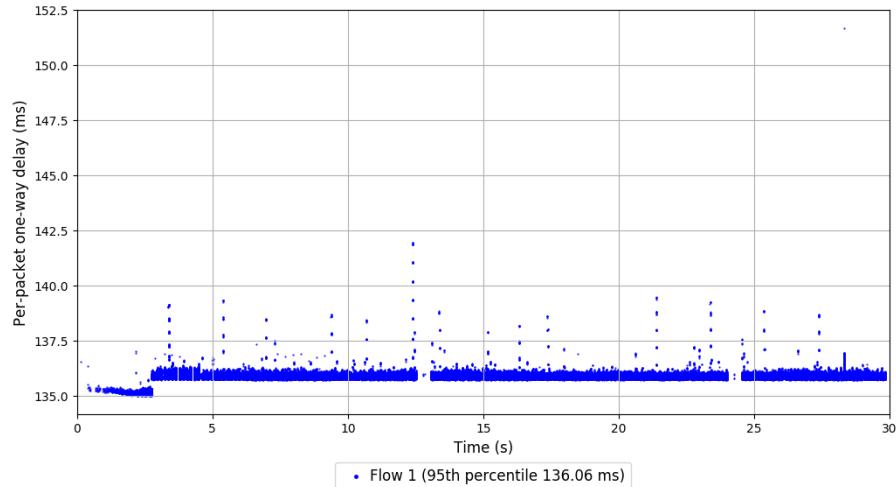
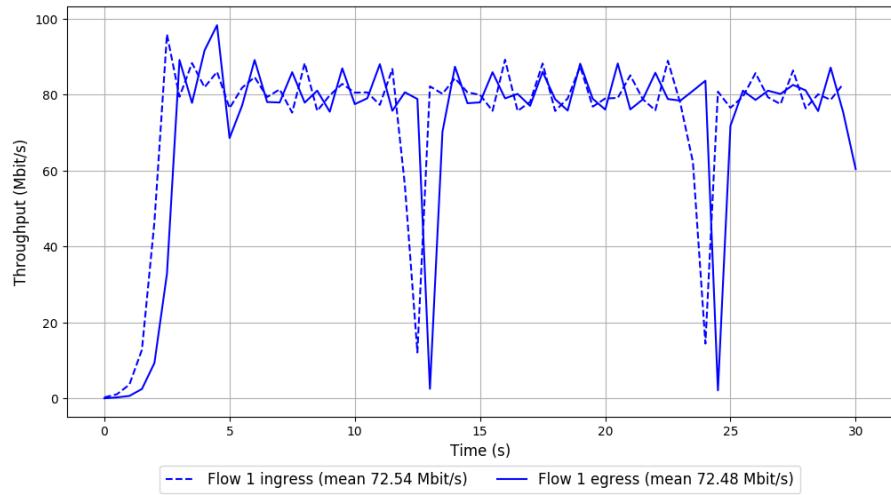


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-31 18:42:51
End at: 2018-05-31 18:43:21
Local clock offset: -0.052 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-05-31 21:00:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 136.060 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 136.060 ms
Loss rate: 0.99%
```

Run 5: Report of TCP BBR — Data Link

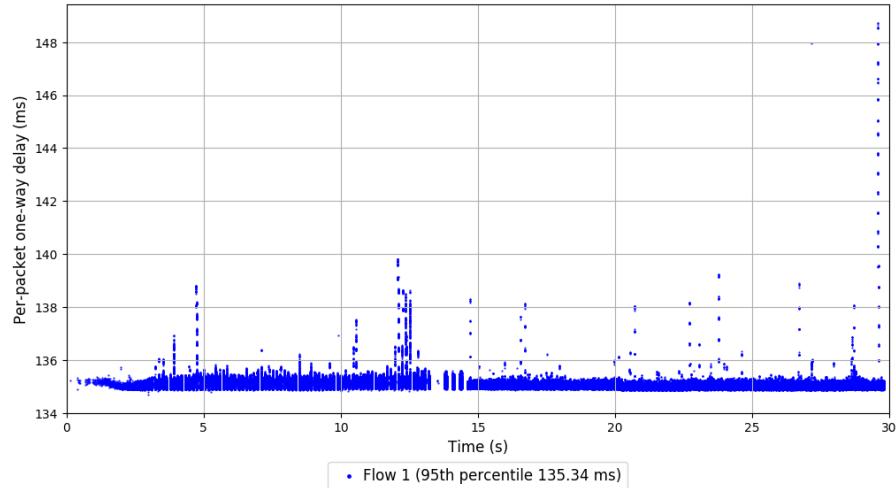
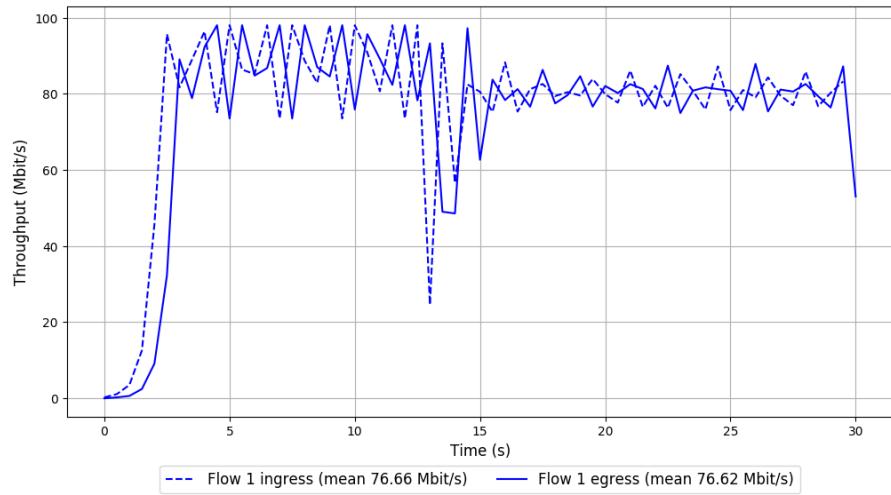


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-31 19:04:24
End at: 2018-05-31 19:04:54
Local clock offset: -0.069 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-05-31 21:00:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 135.342 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 135.342 ms
Loss rate: 1.04%
```

Run 6: Report of TCP BBR — Data Link

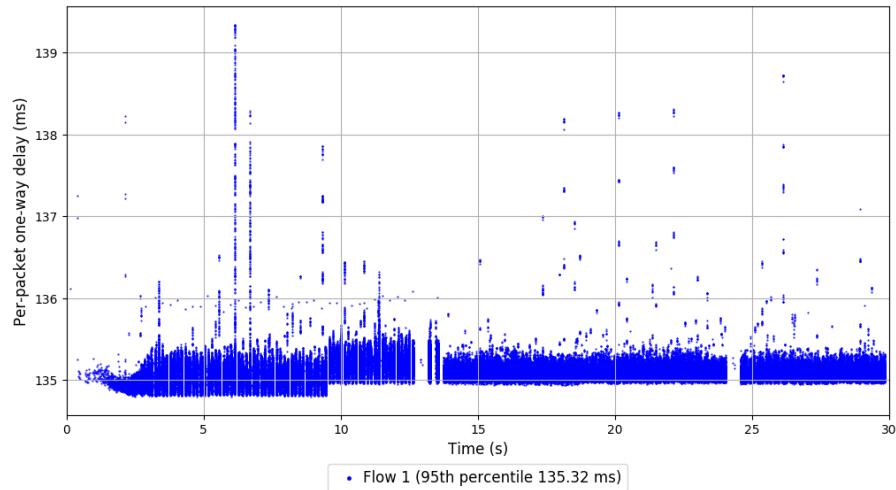
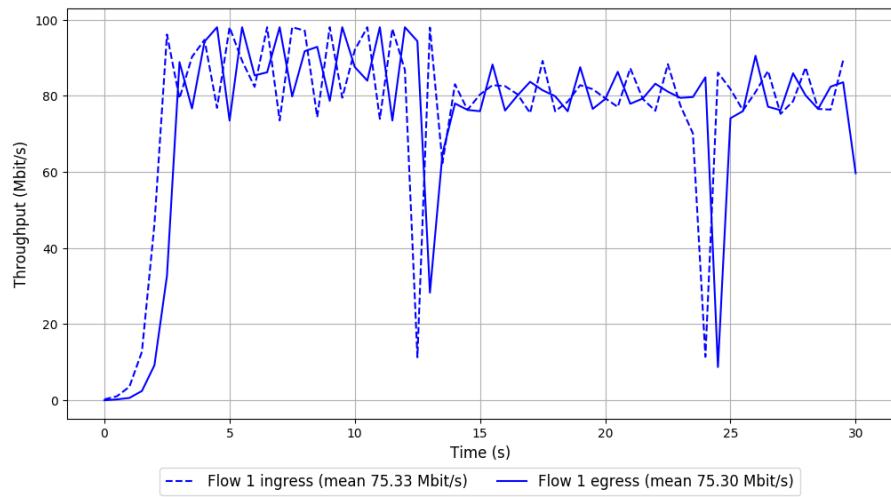


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-31 19:25:55
End at: 2018-05-31 19:26:25
Local clock offset: -0.186 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-05-31 21:00:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 135.320 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 135.320 ms
Loss rate: 0.98%
```

Run 7: Report of TCP BBR — Data Link

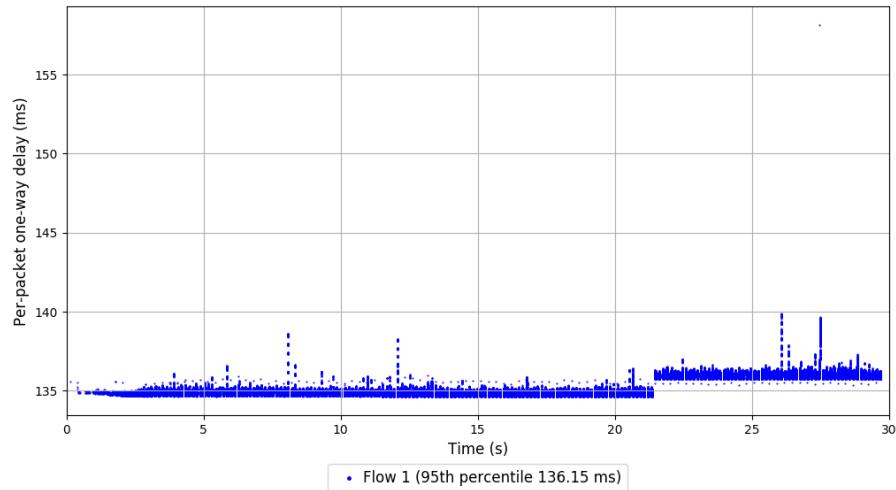
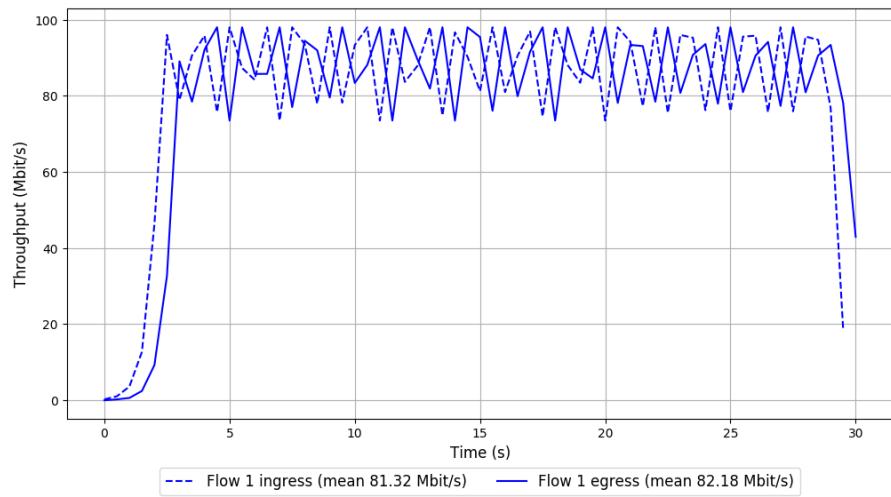


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-31 19:47:33
End at: 2018-05-31 19:48:03
Local clock offset: -0.39 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-05-31 21:00:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.18 Mbit/s
95th percentile per-packet one-way delay: 136.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.18 Mbit/s
95th percentile per-packet one-way delay: 136.147 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link

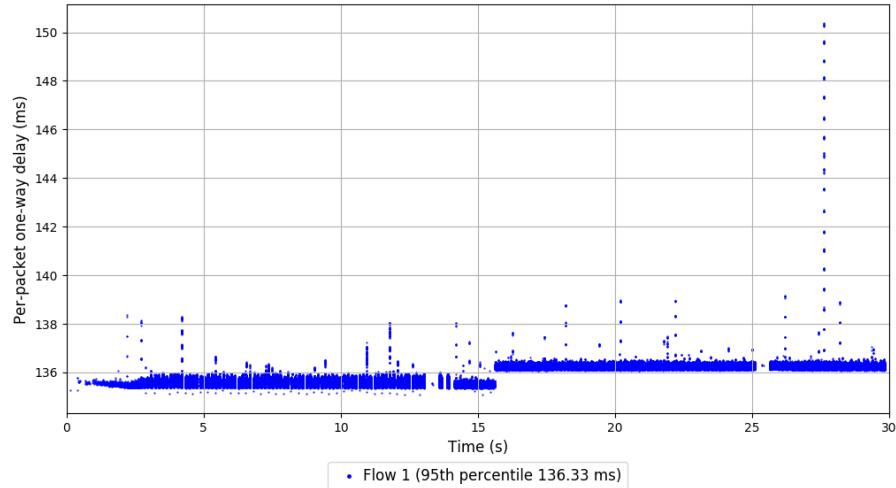
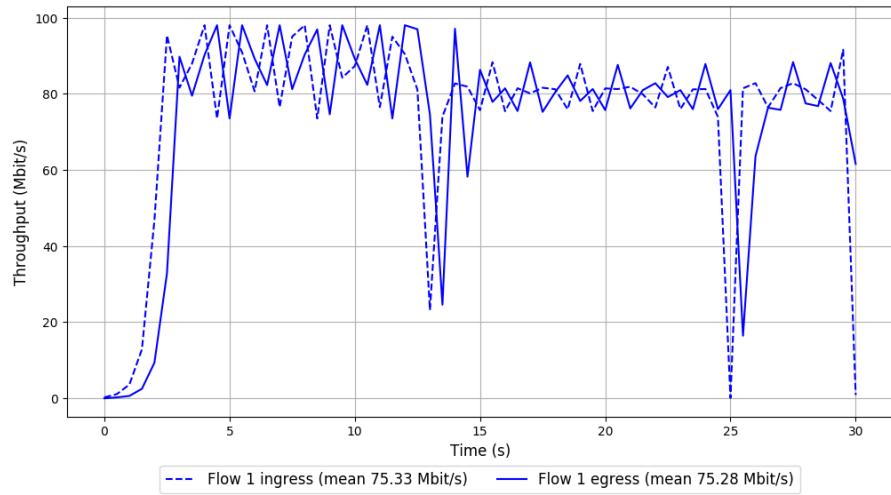


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-31 20:08:39
End at: 2018-05-31 20:09:09
Local clock offset: -0.198 ms
Remote clock offset: -0.343 ms

# Below is generated by plot.py at 2018-05-31 21:01:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 1.01%
```

Run 9: Report of TCP BBR — Data Link

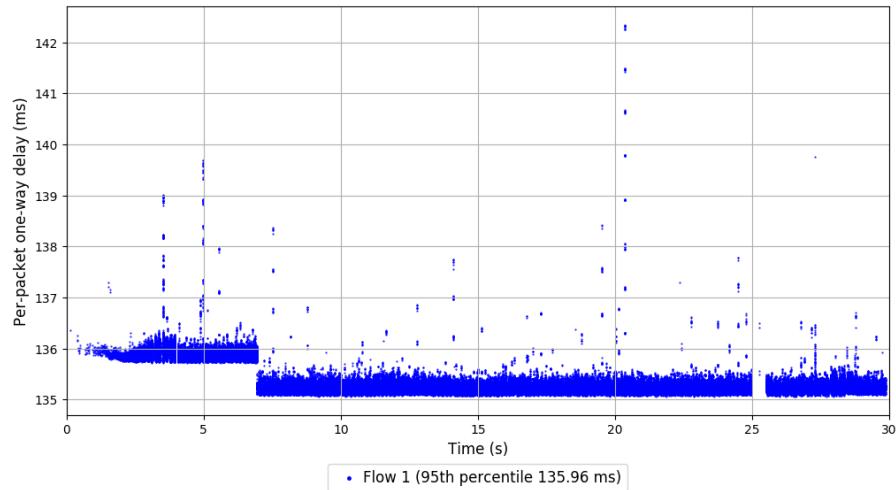
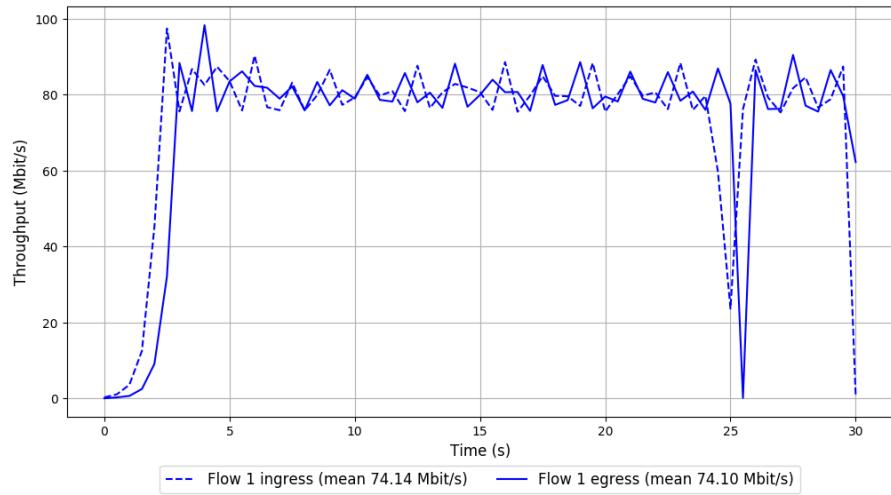


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-31 20:29:57
End at: 2018-05-31 20:30:27
Local clock offset: -0.19 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-05-31 21:01:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.10 Mbit/s
95th percentile per-packet one-way delay: 135.959 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 74.10 Mbit/s
95th percentile per-packet one-way delay: 135.959 ms
Loss rate: 0.96%
```

Run 10: Report of TCP BBR — Data Link

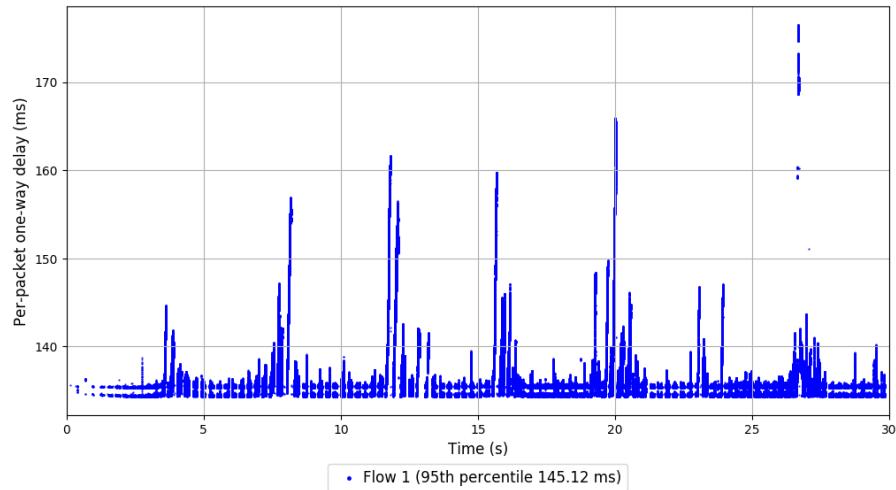
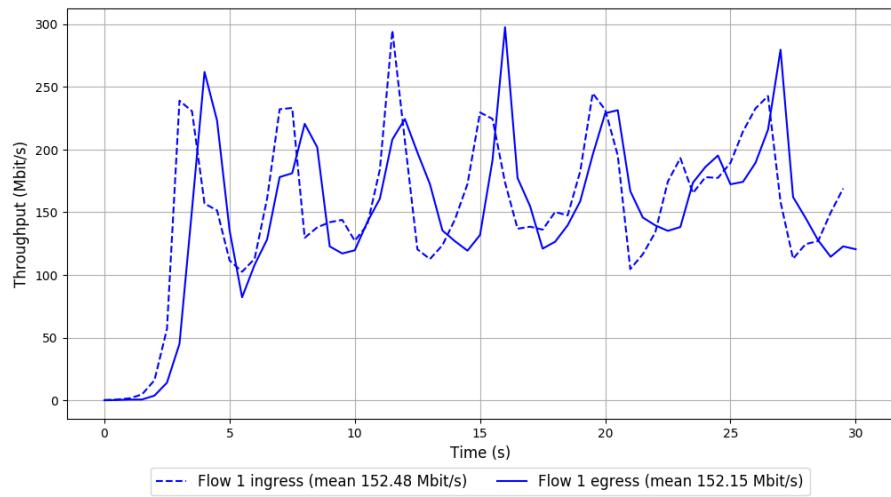


Run 1: Statistics of Copa

```
Start at: 2018-05-31 17:19:34
End at: 2018-05-31 17:20:04
Local clock offset: -0.253 ms
Remote clock offset: 0.327 ms

# Below is generated by plot.py at 2018-05-31 21:04:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.15 Mbit/s
95th percentile per-packet one-way delay: 145.116 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 152.15 Mbit/s
95th percentile per-packet one-way delay: 145.116 ms
Loss rate: 1.13%
```

Run 1: Report of Copa — Data Link

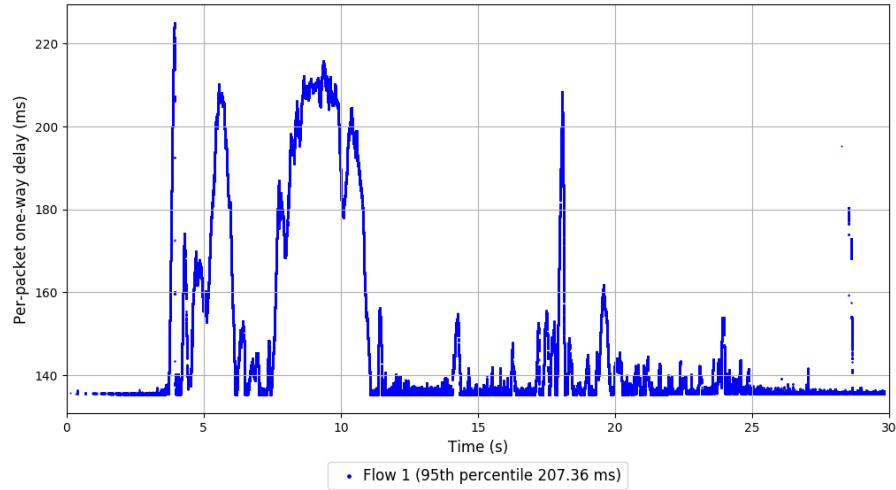
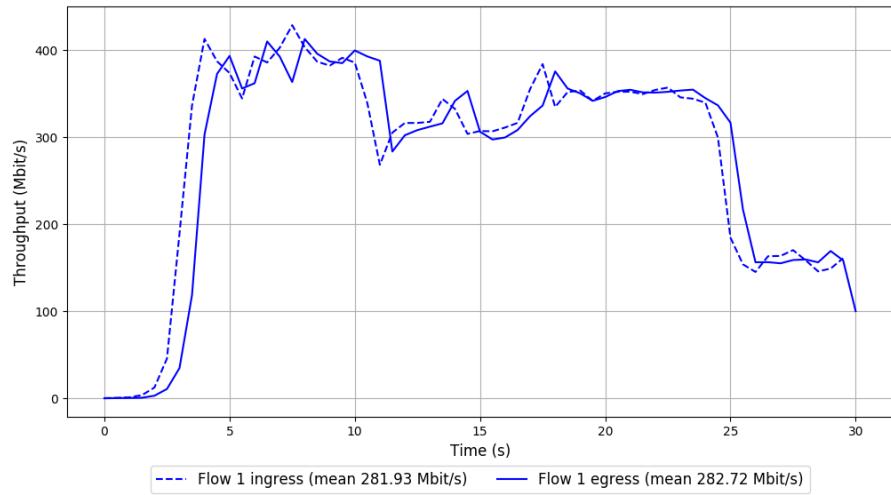


Run 2: Statistics of Copa

```
Start at: 2018-05-31 17:41:01
End at: 2018-05-31 17:41:31
Local clock offset: -0.313 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-05-31 21:09:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 282.72 Mbit/s
95th percentile per-packet one-way delay: 207.357 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 282.72 Mbit/s
95th percentile per-packet one-way delay: 207.357 ms
Loss rate: 0.68%
```

Run 2: Report of Copa — Data Link

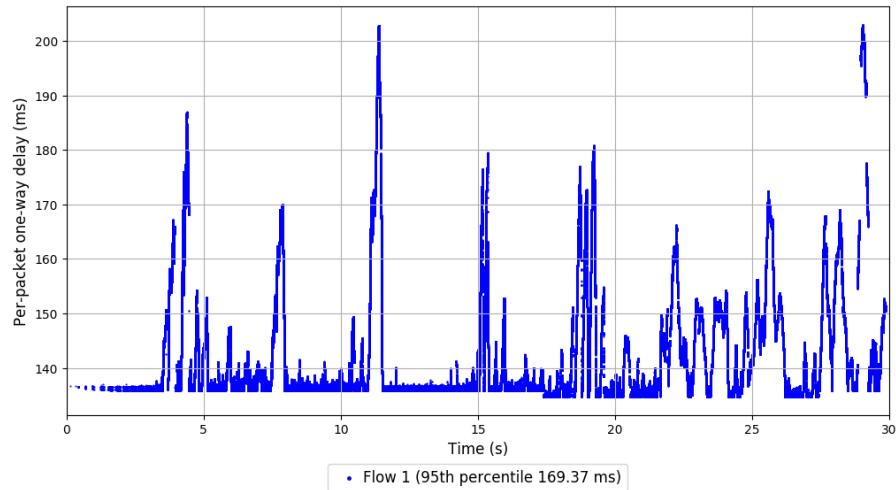
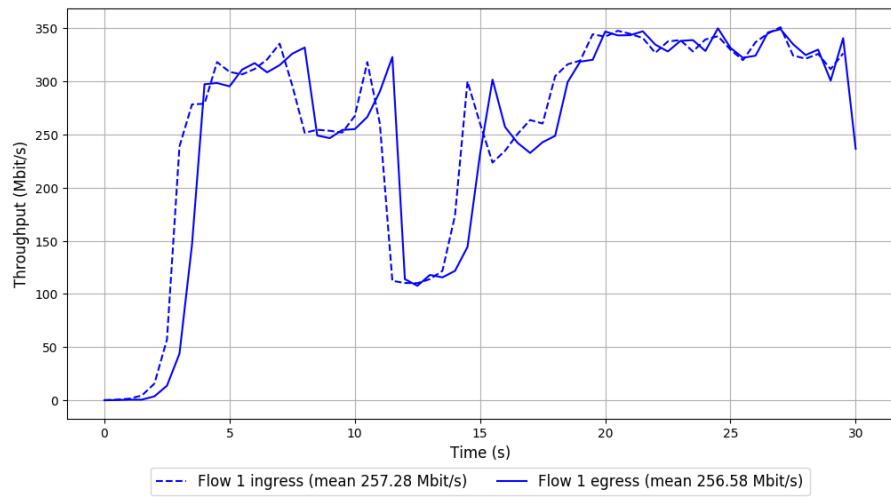


Run 3: Statistics of Copa

```
Start at: 2018-05-31 18:02:17
End at: 2018-05-31 18:02:47
Local clock offset: -0.166 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-05-31 21:09:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.58 Mbit/s
95th percentile per-packet one-way delay: 169.371 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 256.58 Mbit/s
95th percentile per-packet one-way delay: 169.371 ms
Loss rate: 1.18%
```

Run 3: Report of Copa — Data Link

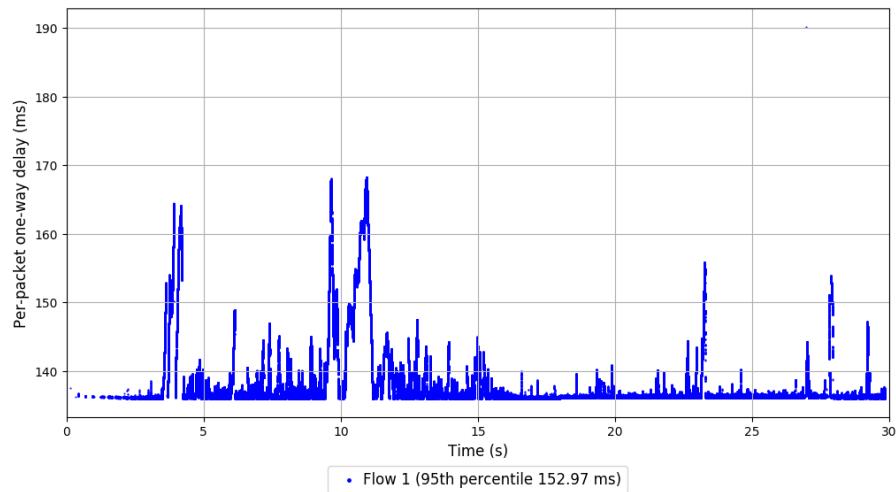
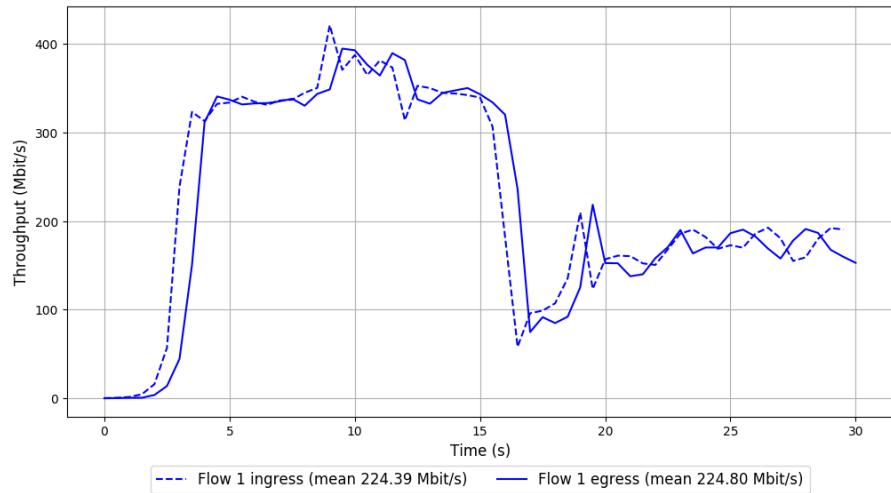


Run 4: Statistics of Copa

```
Start at: 2018-05-31 18:24:06
End at: 2018-05-31 18:24:36
Local clock offset: 0.189 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-05-31 21:09:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.80 Mbit/s
95th percentile per-packet one-way delay: 152.969 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 224.80 Mbit/s
95th percentile per-packet one-way delay: 152.969 ms
Loss rate: 0.73%
```

Run 4: Report of Copa — Data Link

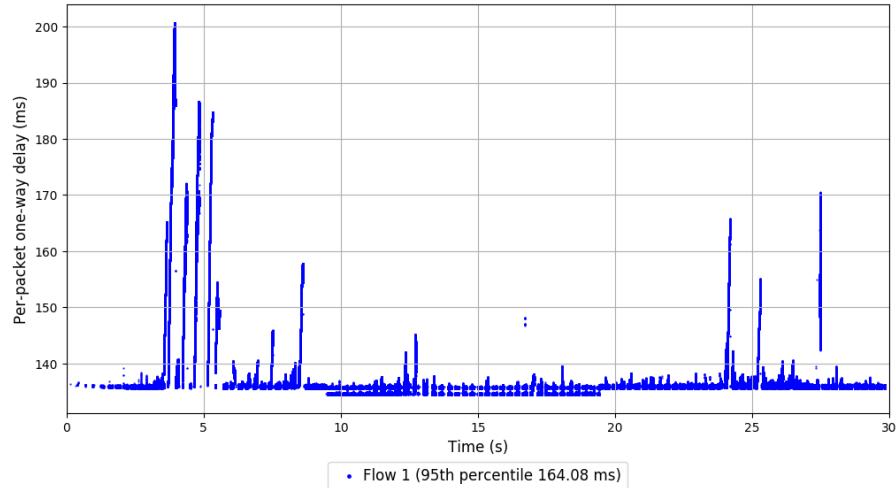
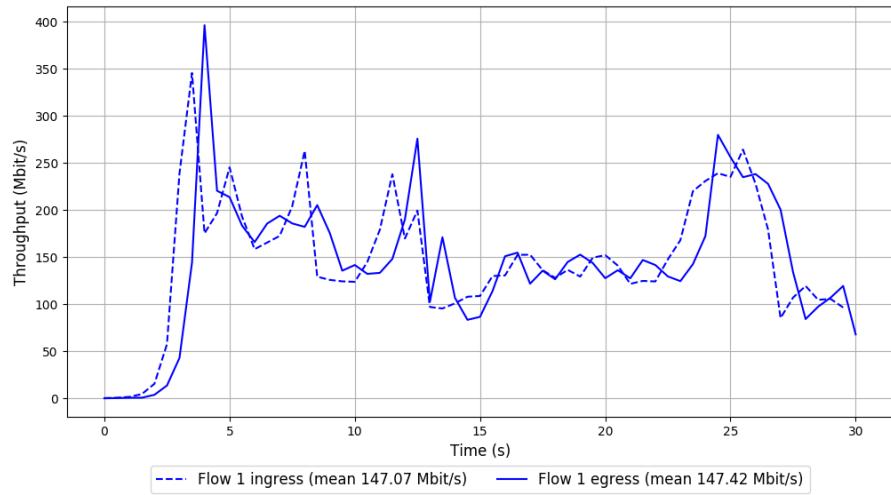


Run 5: Statistics of Copa

```
Start at: 2018-05-31 18:45:35
End at: 2018-05-31 18:46:05
Local clock offset: -0.189 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-05-31 21:09:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.42 Mbit/s
95th percentile per-packet one-way delay: 164.077 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 147.42 Mbit/s
95th percentile per-packet one-way delay: 164.077 ms
Loss rate: 0.68%
```

Run 5: Report of Copa — Data Link

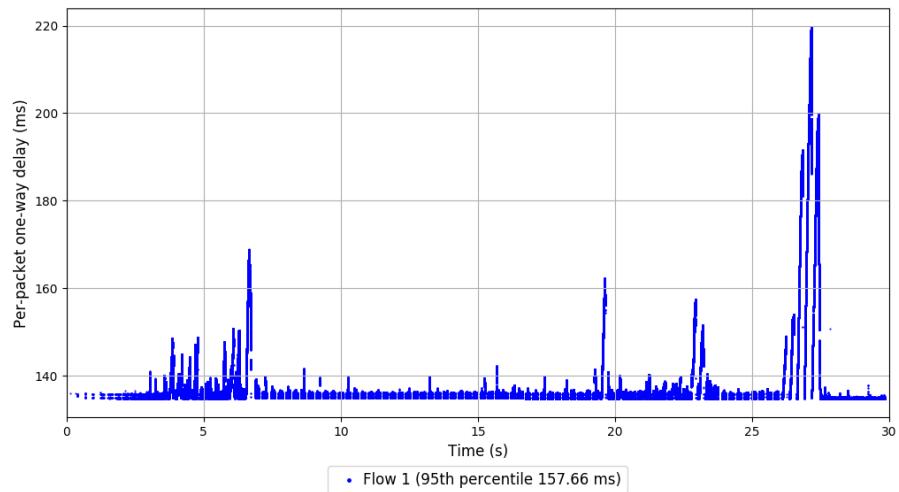
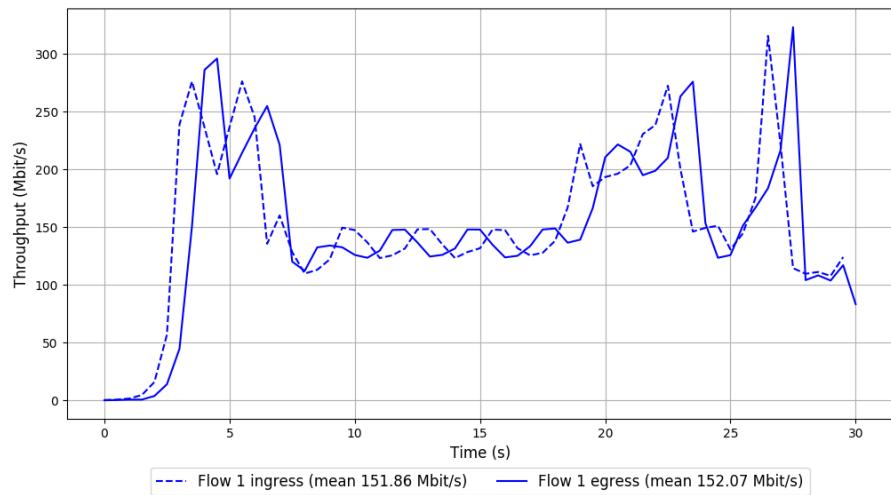


Run 6: Statistics of Copa

```
Start at: 2018-05-31 19:07:08
End at: 2018-05-31 19:07:38
Local clock offset: -0.237 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-31 21:09:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.07 Mbit/s
95th percentile per-packet one-way delay: 157.661 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 152.07 Mbit/s
95th percentile per-packet one-way delay: 157.661 ms
Loss rate: 0.77%
```

Run 6: Report of Copa — Data Link

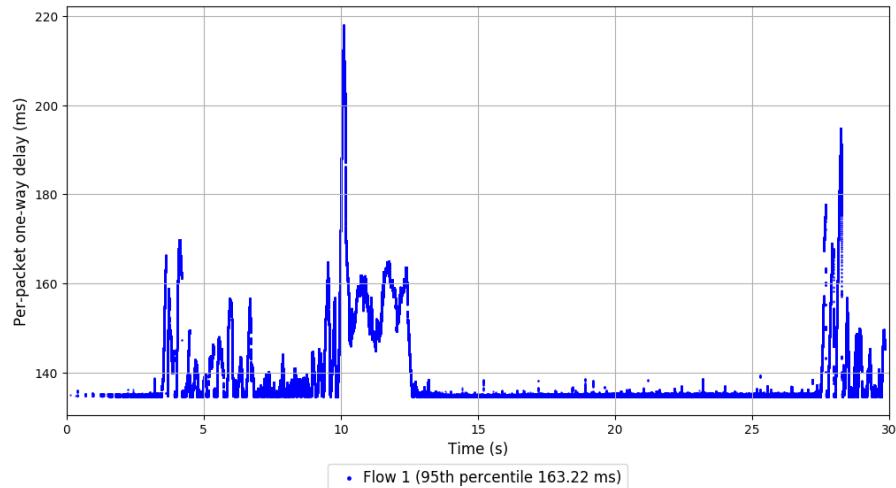
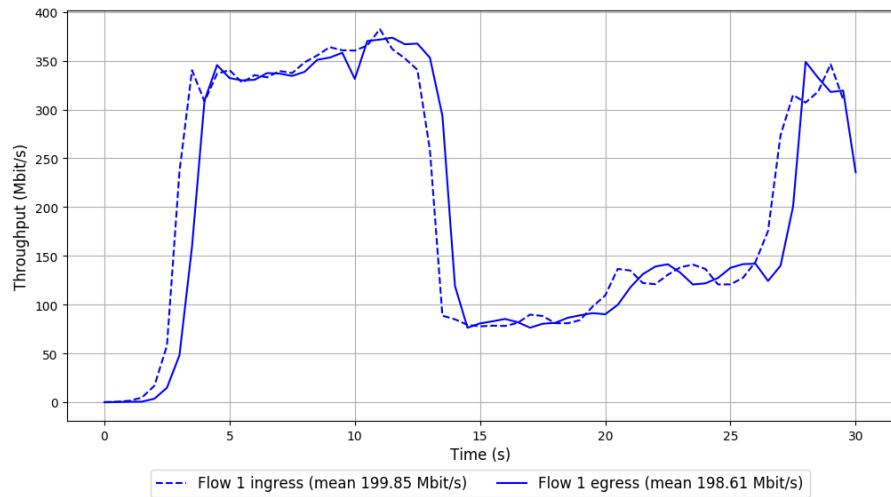


Run 7: Statistics of Copa

```
Start at: 2018-05-31 19:28:38
End at: 2018-05-31 19:29:08
Local clock offset: -0.54 ms
Remote clock offset: -0.379 ms

# Below is generated by plot.py at 2018-05-31 21:09:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.61 Mbit/s
95th percentile per-packet one-way delay: 163.222 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 198.61 Mbit/s
95th percentile per-packet one-way delay: 163.222 ms
Loss rate: 1.52%
```

Run 7: Report of Copa — Data Link

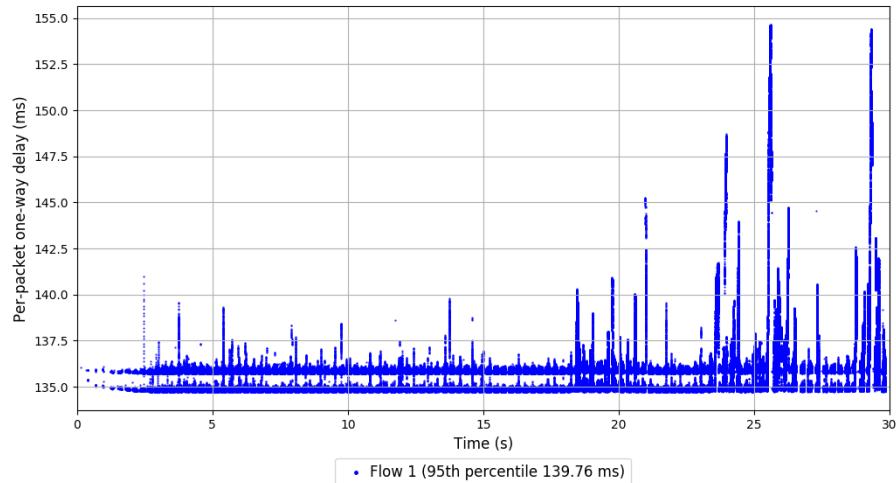
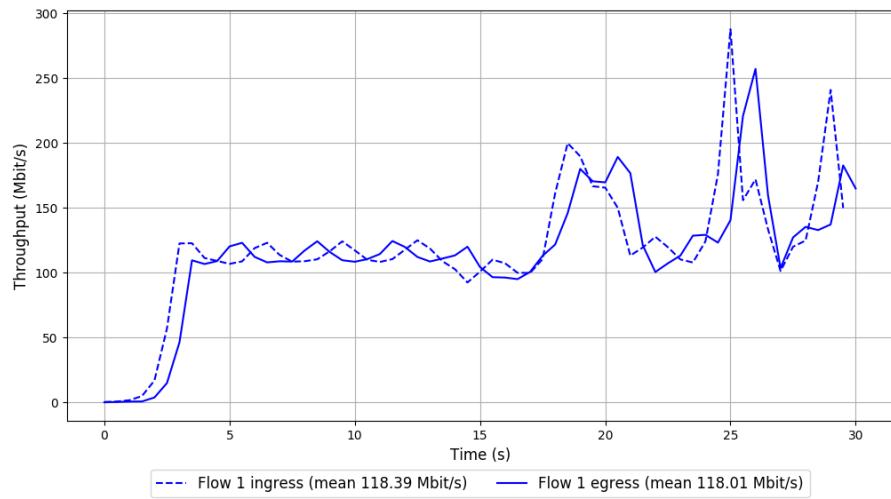


Run 8: Statistics of Copa

```
Start at: 2018-05-31 19:49:57
End at: 2018-05-31 19:50:27
Local clock offset: -0.298 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-05-31 21:09:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.01 Mbit/s
95th percentile per-packet one-way delay: 139.765 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 118.01 Mbit/s
95th percentile per-packet one-way delay: 139.765 ms
Loss rate: 1.22%
```

Run 8: Report of Copa — Data Link

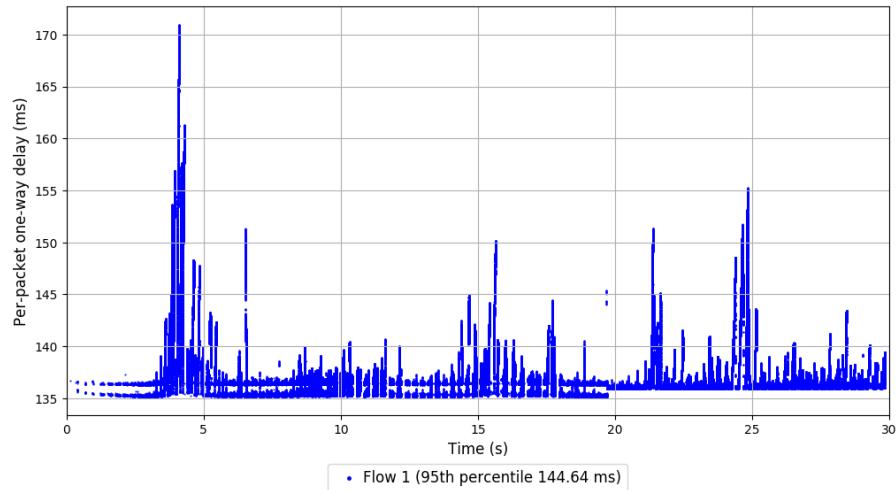
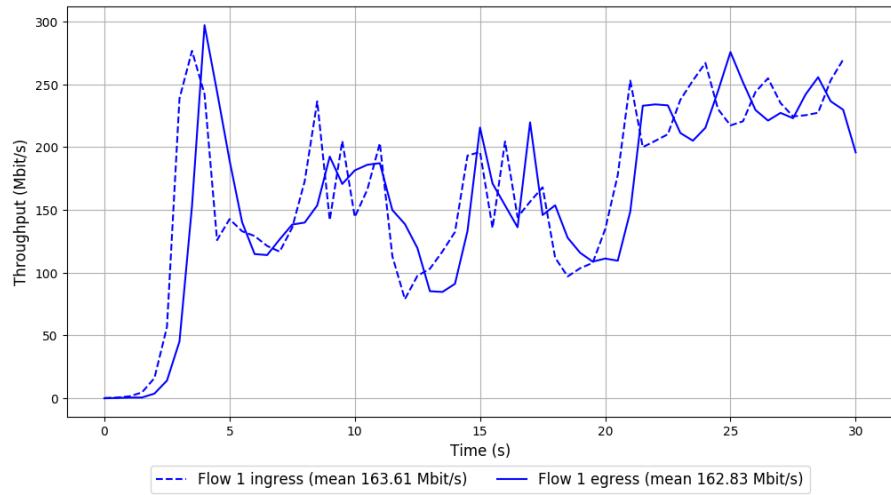


Run 9: Statistics of Copa

```
Start at: 2018-05-31 20:11:05
End at: 2018-05-31 20:11:35
Local clock offset: -0.442 ms
Remote clock offset: -0.402 ms

# Below is generated by plot.py at 2018-05-31 21:10:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.83 Mbit/s
95th percentile per-packet one-way delay: 144.642 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 162.83 Mbit/s
95th percentile per-packet one-way delay: 144.642 ms
Loss rate: 1.37%
```

Run 9: Report of Copa — Data Link

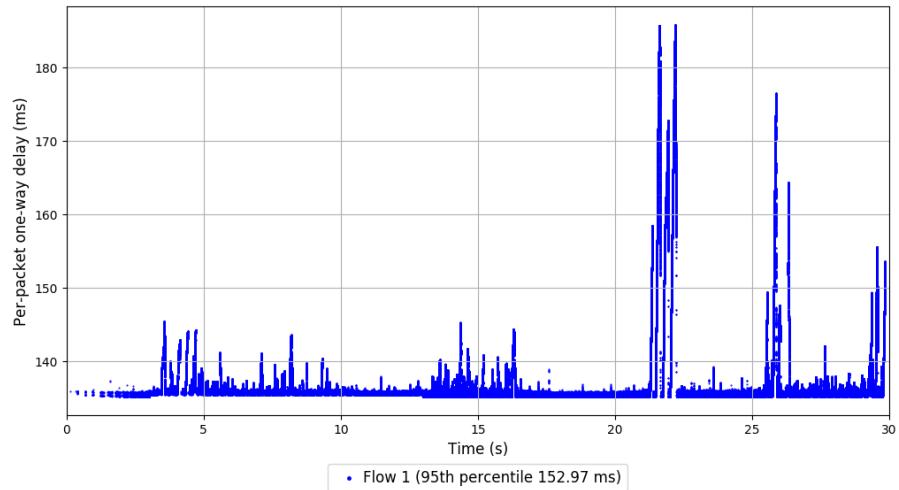
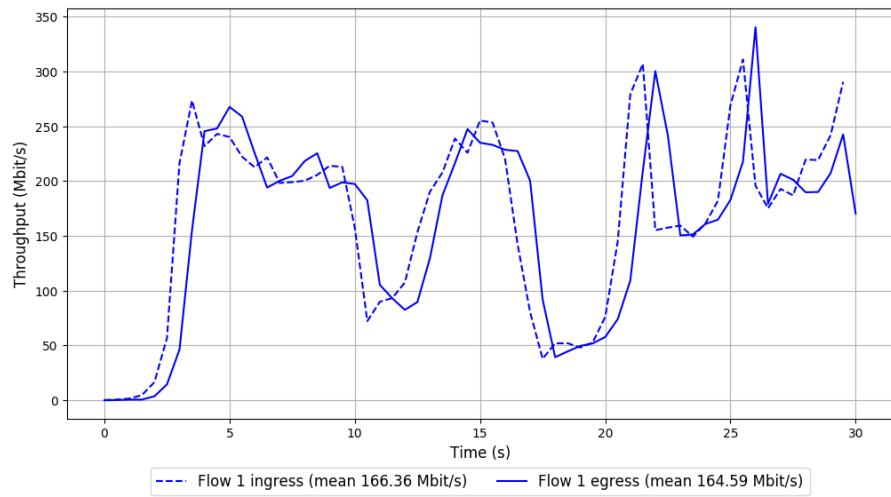


Run 10: Statistics of Copa

```
Start at: 2018-05-31 20:32:41
End at: 2018-05-31 20:33:11
Local clock offset: -0.275 ms
Remote clock offset: 0.364 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 164.59 Mbit/s
95th percentile per-packet one-way delay: 152.969 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 164.59 Mbit/s
95th percentile per-packet one-way delay: 152.969 ms
Loss rate: 1.96%
```

Run 10: Report of Copa — Data Link

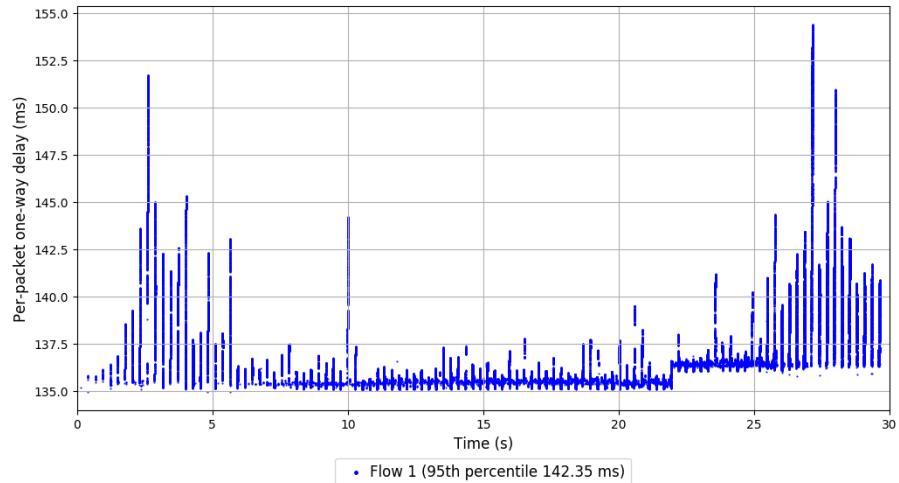
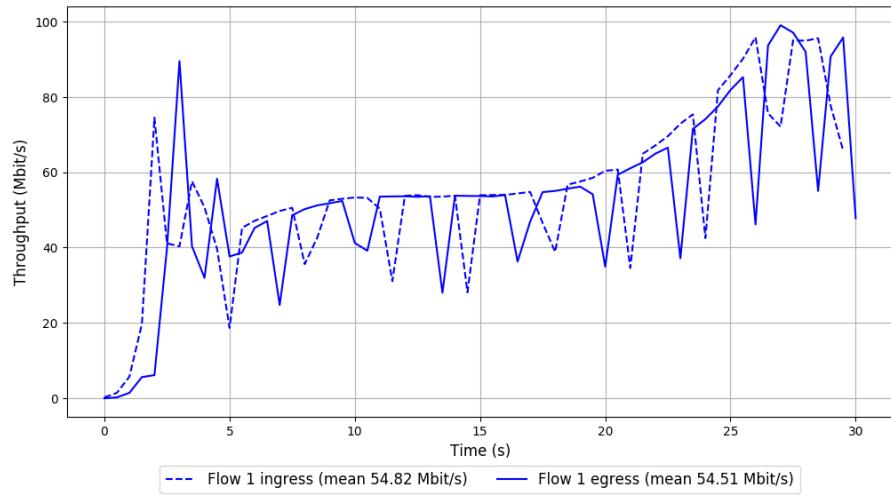


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-31 17:30:02
End at: 2018-05-31 17:30:32
Local clock offset: -0.222 ms
Remote clock offset: -0.461 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 142.346 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 142.346 ms
Loss rate: 1.46%
```

Run 1: Report of TCP Cubic — Data Link

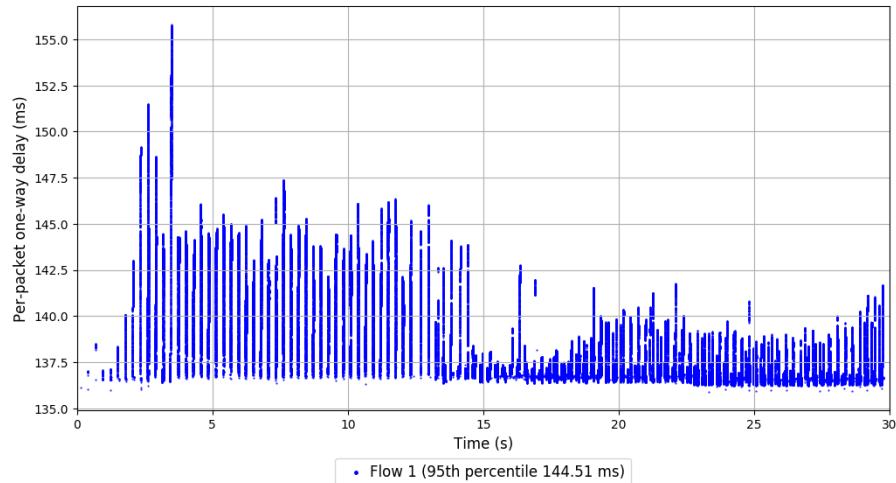
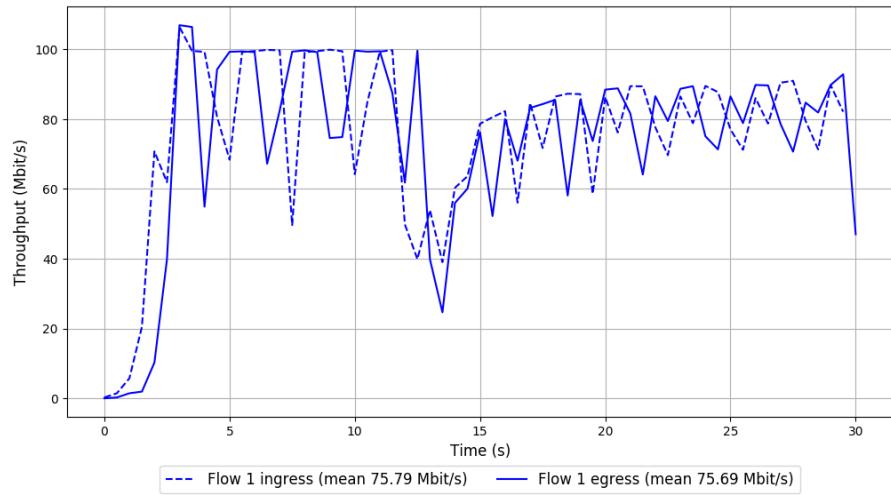


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-31 17:51:41
End at: 2018-05-31 17:52:11
Local clock offset: 0.028 ms
Remote clock offset: -0.357 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.69 Mbit/s
95th percentile per-packet one-way delay: 144.509 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 75.69 Mbit/s
95th percentile per-packet one-way delay: 144.509 ms
Loss rate: 1.04%
```

Run 2: Report of TCP Cubic — Data Link

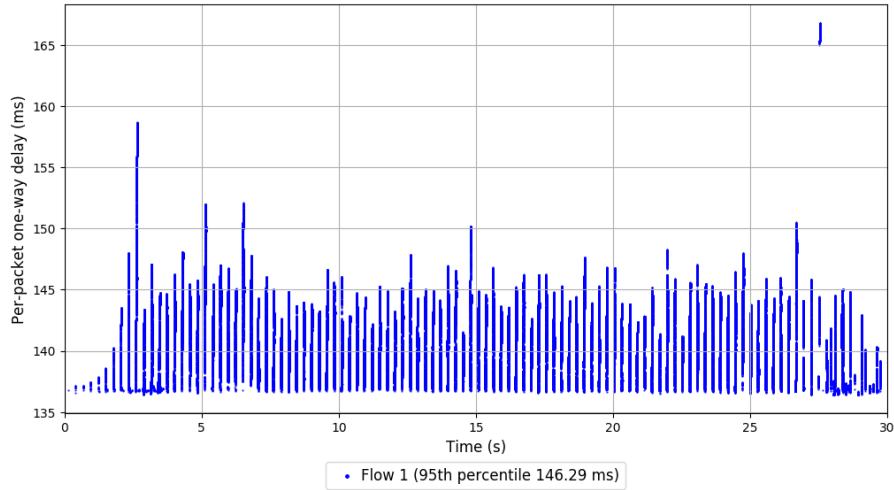
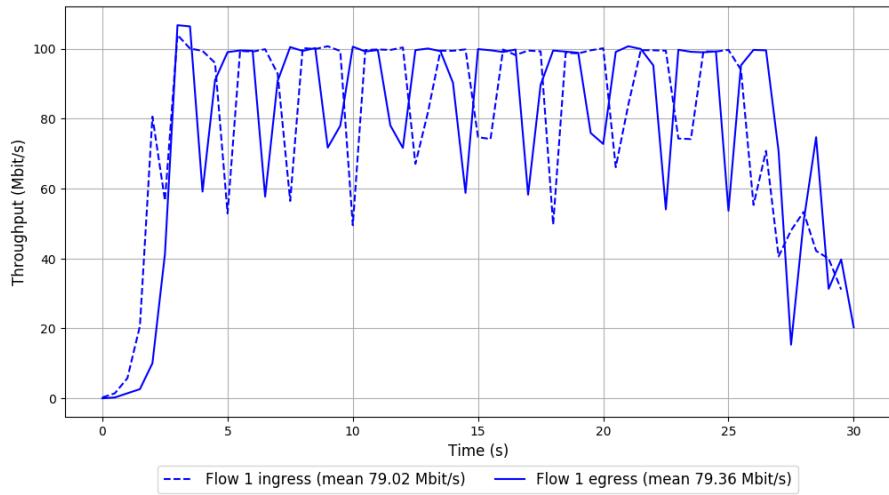


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-31 18:12:56
End at: 2018-05-31 18:13:26
Local clock offset: 0.046 ms
Remote clock offset: -0.37 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 146.289 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 146.289 ms
Loss rate: 0.49%
```

Run 3: Report of TCP Cubic — Data Link

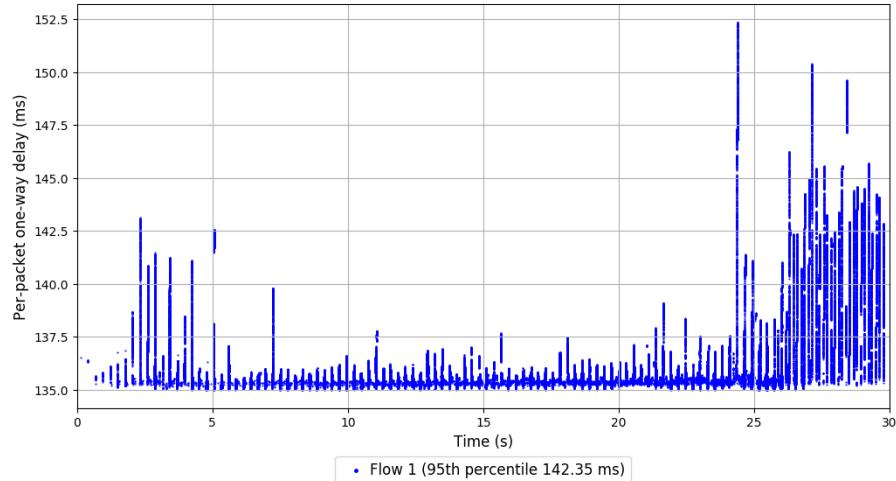
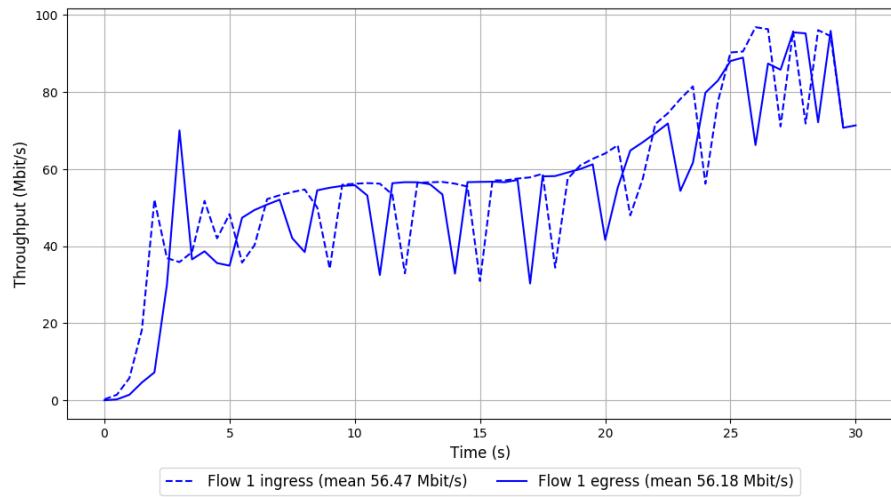


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-31 18:34:44
End at: 2018-05-31 18:35:14
Local clock offset: 0.003 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 142.350 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 142.350 ms
Loss rate: 1.41%
```

Run 4: Report of TCP Cubic — Data Link

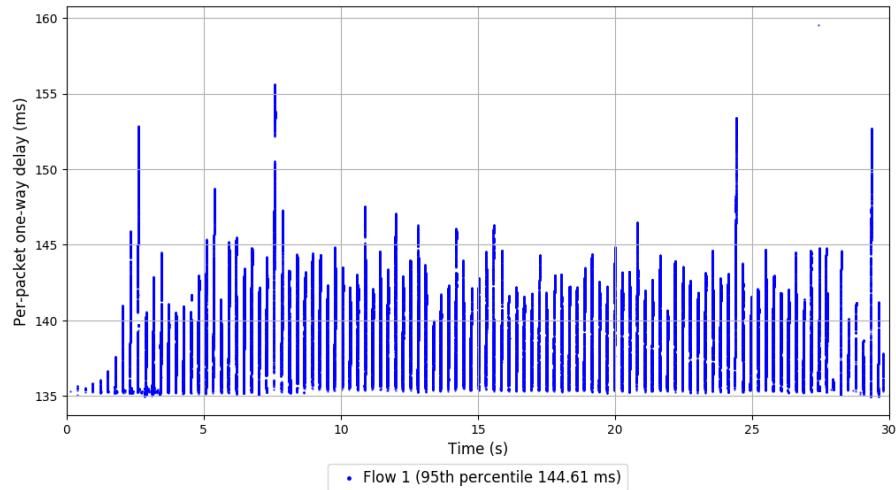
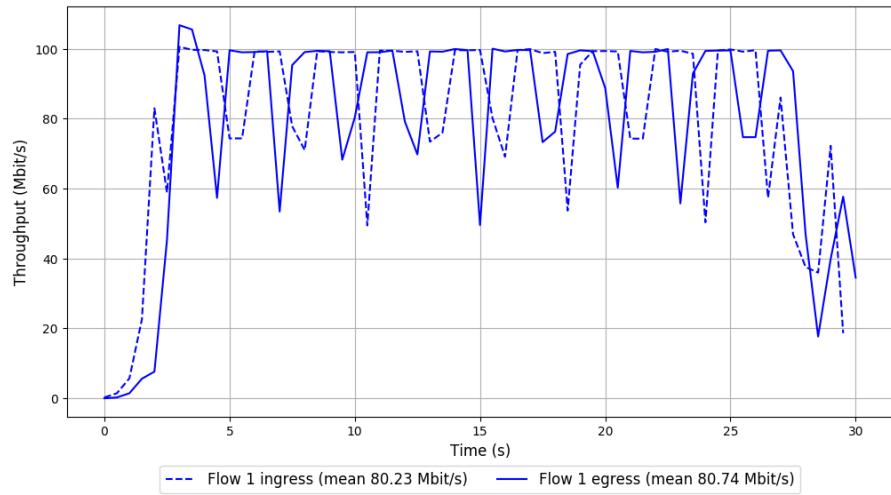


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-31 18:55:55
End at: 2018-05-31 18:56:25
Local clock offset: -0.408 ms
Remote clock offset: -0.448 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 144.610 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 144.610 ms
Loss rate: 0.31%
```

Run 5: Report of TCP Cubic — Data Link

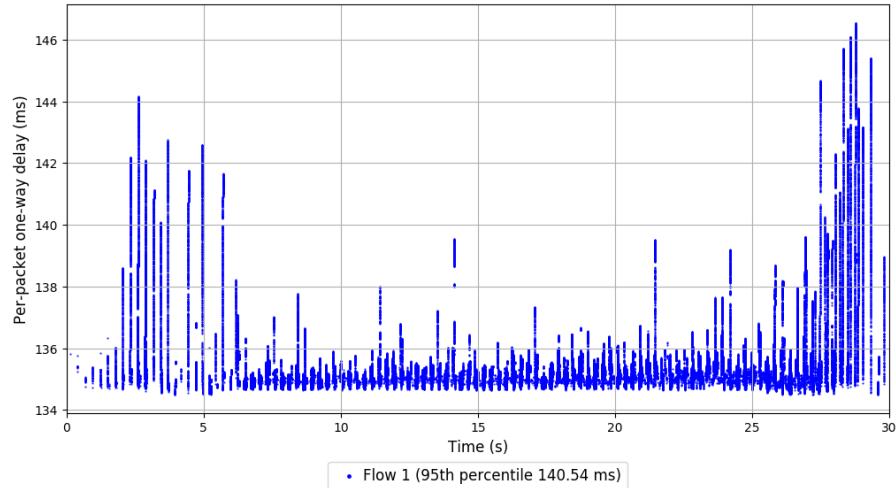
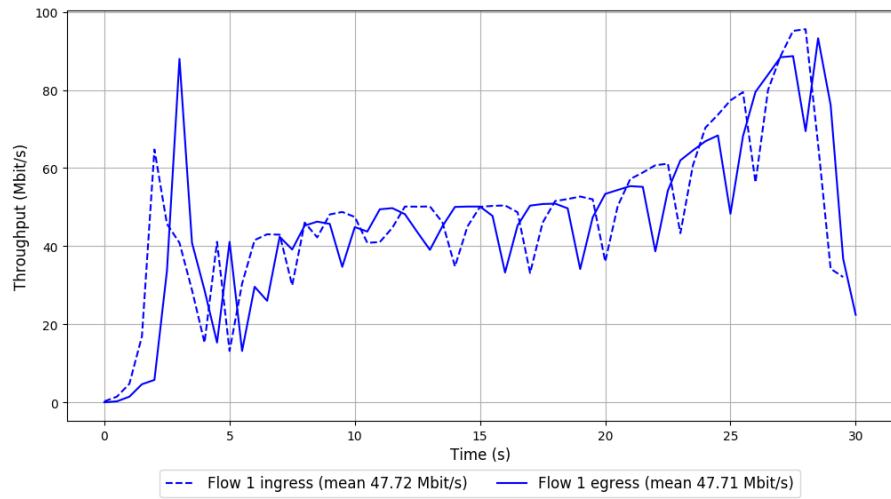


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-31 19:17:39
End at: 2018-05-31 19:18:09
Local clock offset: -0.432 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 140.545 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 140.545 ms
Loss rate: 0.94%
```

Run 6: Report of TCP Cubic — Data Link

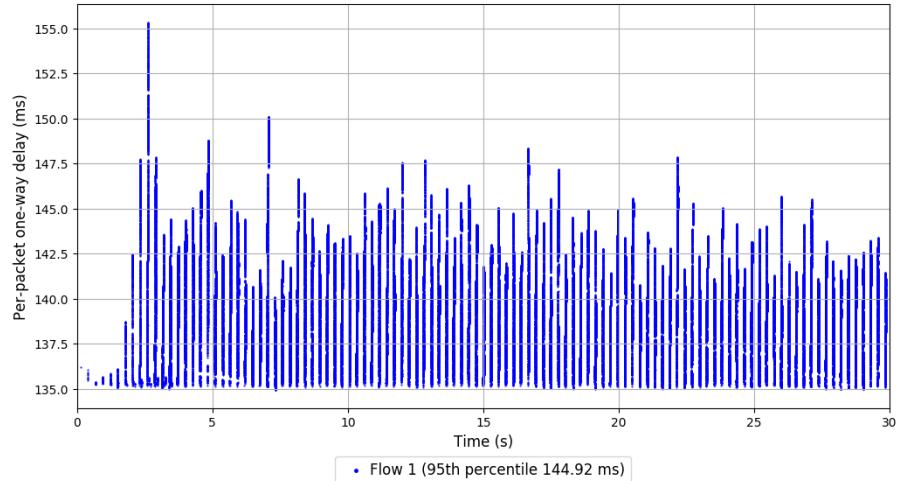
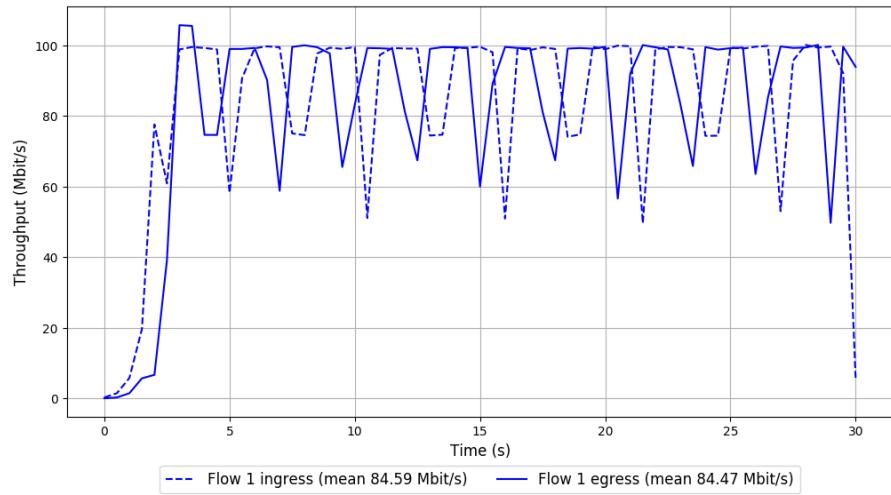


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-31 19:39:13
End at: 2018-05-31 19:39:43
Local clock offset: -0.464 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.47 Mbit/s
95th percentile per-packet one-way delay: 144.920 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 84.47 Mbit/s
95th percentile per-packet one-way delay: 144.920 ms
Loss rate: 1.05%
```

Run 7: Report of TCP Cubic — Data Link

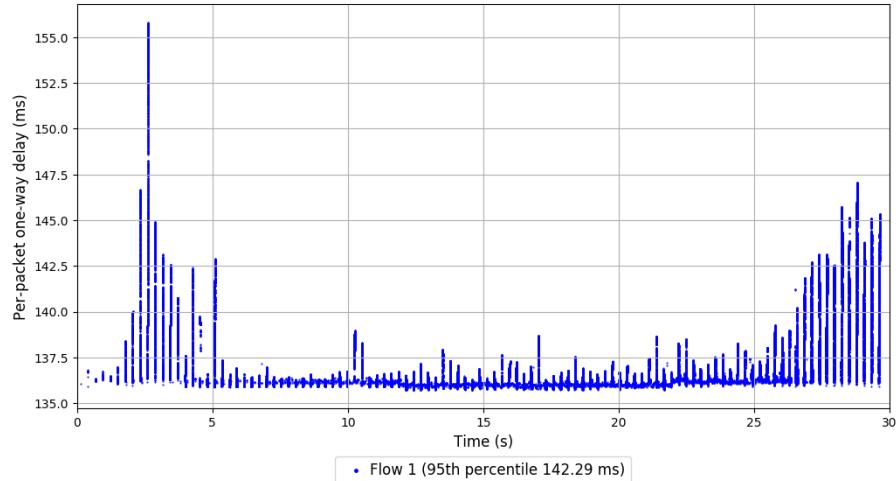
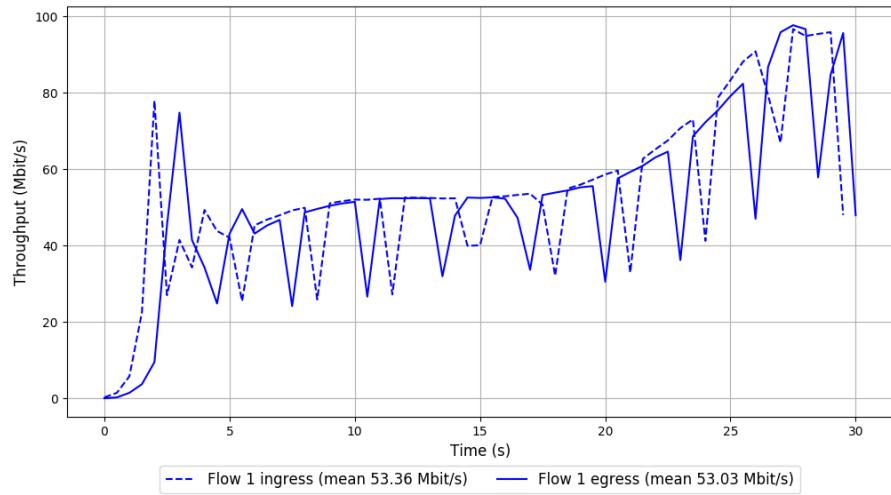


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-31 20:00:22
End at: 2018-05-31 20:00:52
Local clock offset: -0.211 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 142.290 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 142.290 ms
Loss rate: 1.51%
```

Run 8: Report of TCP Cubic — Data Link

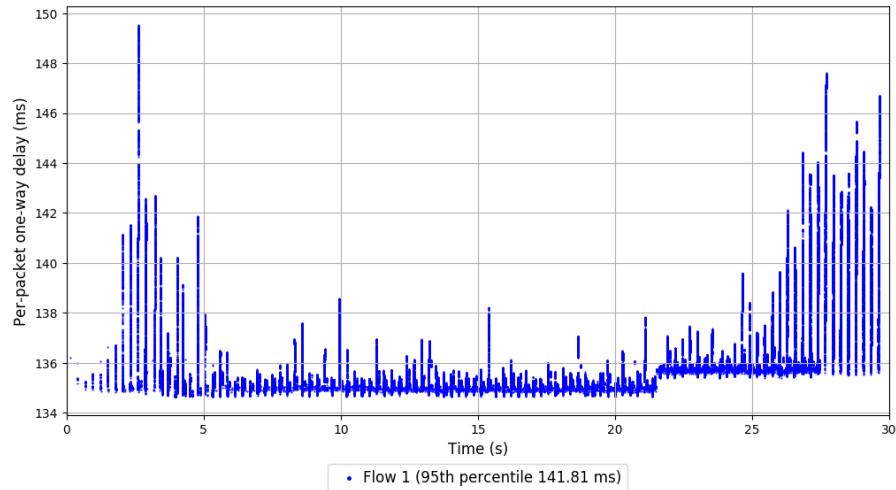
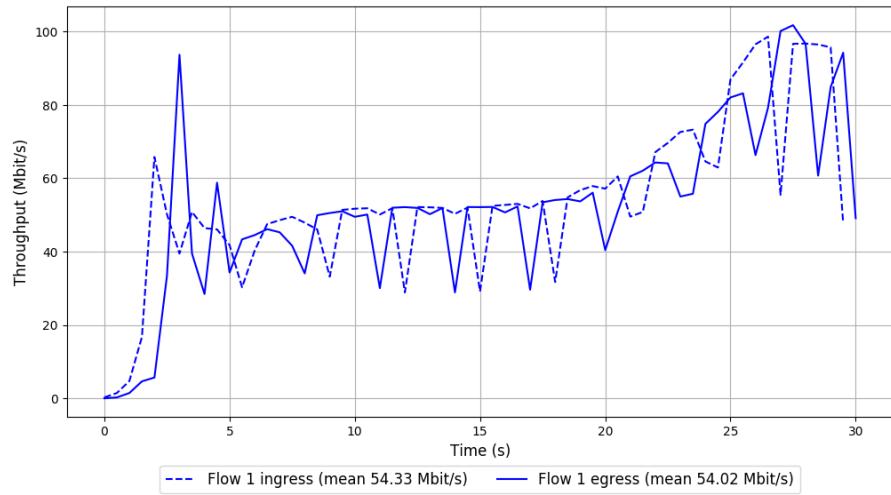


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-31 20:21:33
End at: 2018-05-31 20:22:03
Local clock offset: -0.176 ms
Remote clock offset: 0.38 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 141.809 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 141.809 ms
Loss rate: 1.48%
```

Run 9: Report of TCP Cubic — Data Link

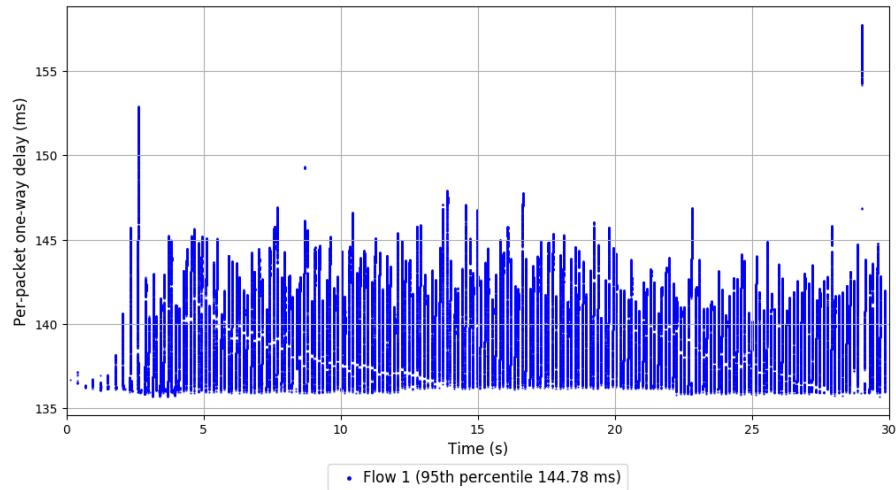
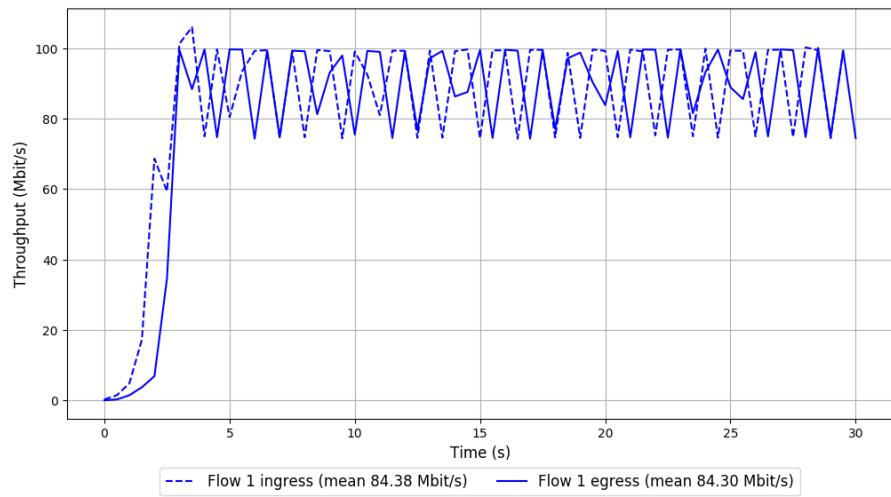


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-05-31 20:43:12
End at: 2018-05-31 20:43:42
Local clock offset: -0.249 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-05-31 21:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 144.775 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 144.775 ms
Loss rate: 0.98%
```

Run 10: Report of TCP Cubic — Data Link

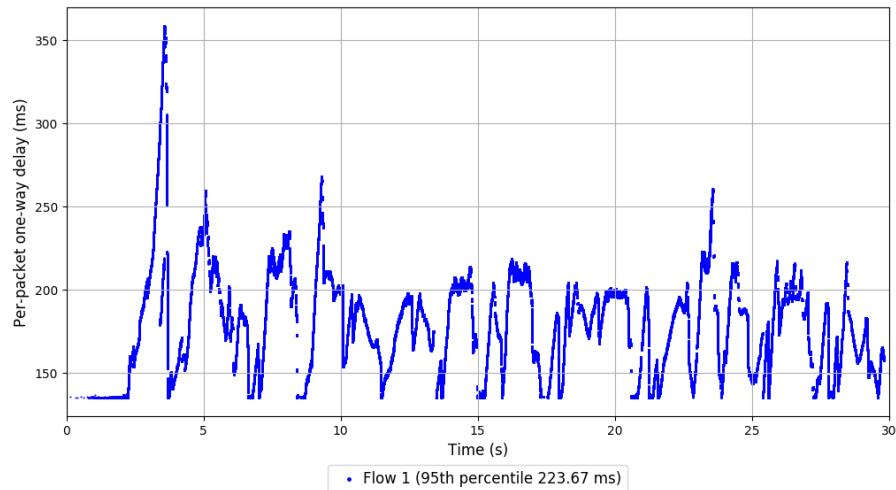
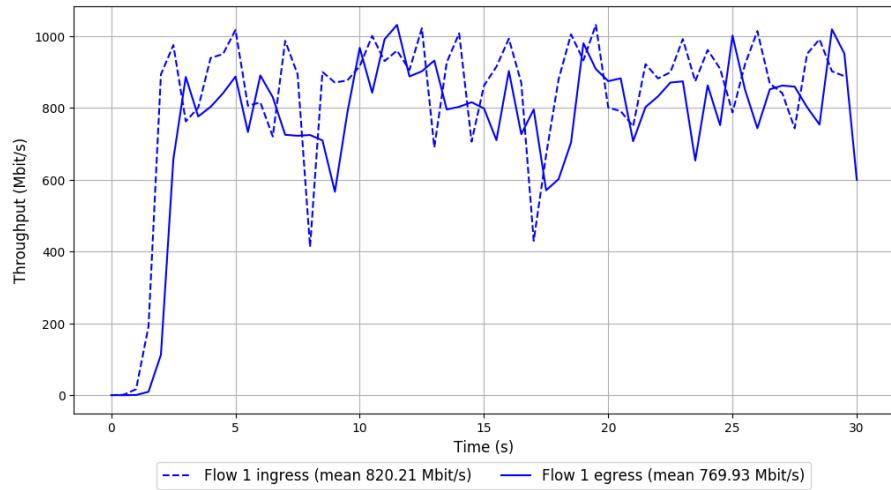


```
Run 1: Statistics of FillP
```

```
Start at: 2018-05-31 17:35:18
End at: 2018-05-31 17:35:48
Local clock offset: -0.373 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-31 21:25:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 769.93 Mbit/s
95th percentile per-packet one-way delay: 223.673 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 769.93 Mbit/s
95th percentile per-packet one-way delay: 223.673 ms
Loss rate: 6.98%
```

Run 1: Report of FillP — Data Link

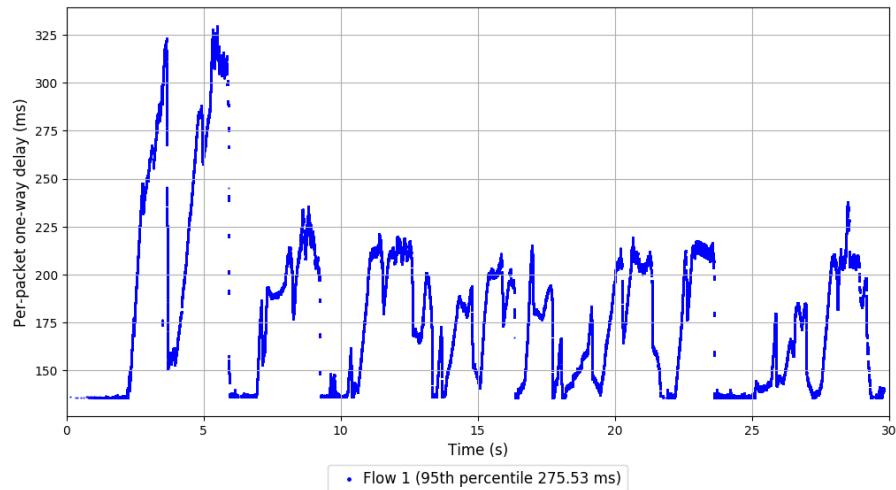
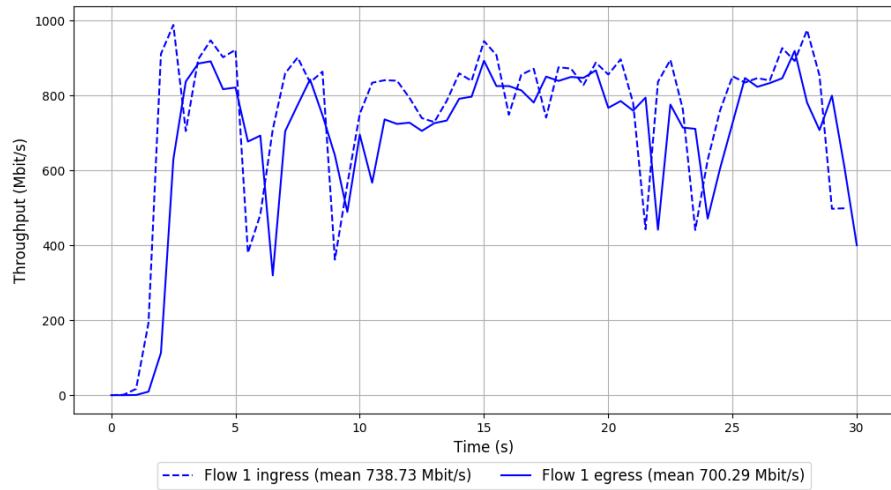


Run 2: Statistics of FillP

```
Start at: 2018-05-31 17:56:59
End at: 2018-05-31 17:57:29
Local clock offset: -0.25 ms
Remote clock offset: -0.383 ms

# Below is generated by plot.py at 2018-05-31 21:25:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 700.29 Mbit/s
95th percentile per-packet one-way delay: 275.528 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 700.29 Mbit/s
95th percentile per-packet one-way delay: 275.528 ms
Loss rate: 6.08%
```

Run 2: Report of FillP — Data Link

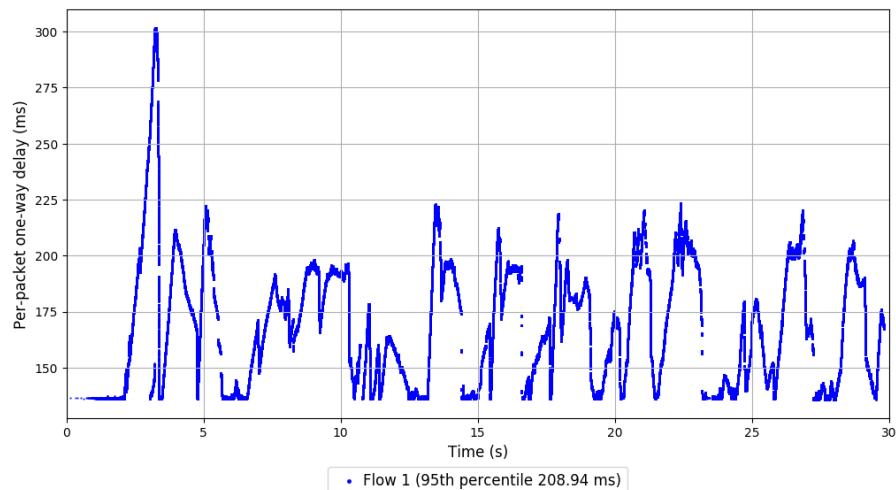
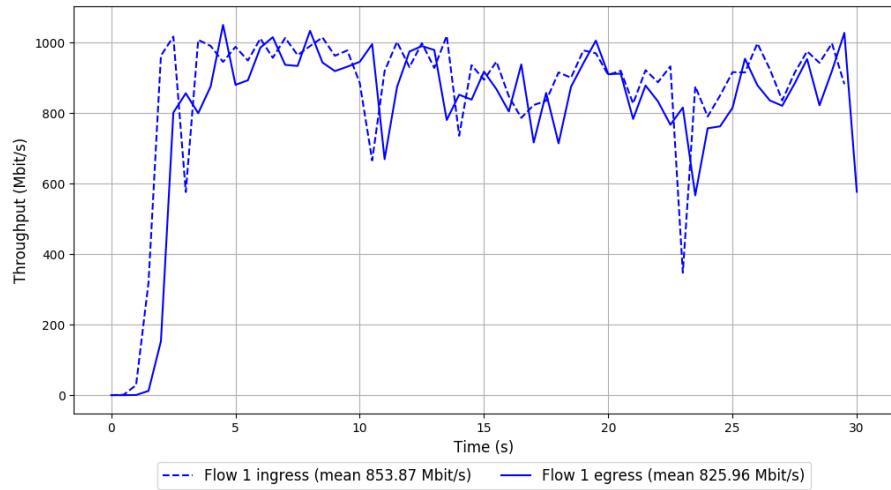


```
Run 3: Statistics of FillP
```

```
Start at: 2018-05-31 18:18:27
End at: 2018-05-31 18:18:57
Local clock offset: -0.171 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-05-31 21:26:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 825.96 Mbit/s
95th percentile per-packet one-way delay: 208.936 ms
Loss rate: 4.15%
-- Flow 1:
Average throughput: 825.96 Mbit/s
95th percentile per-packet one-way delay: 208.936 ms
Loss rate: 4.15%
```

Run 3: Report of FillP — Data Link

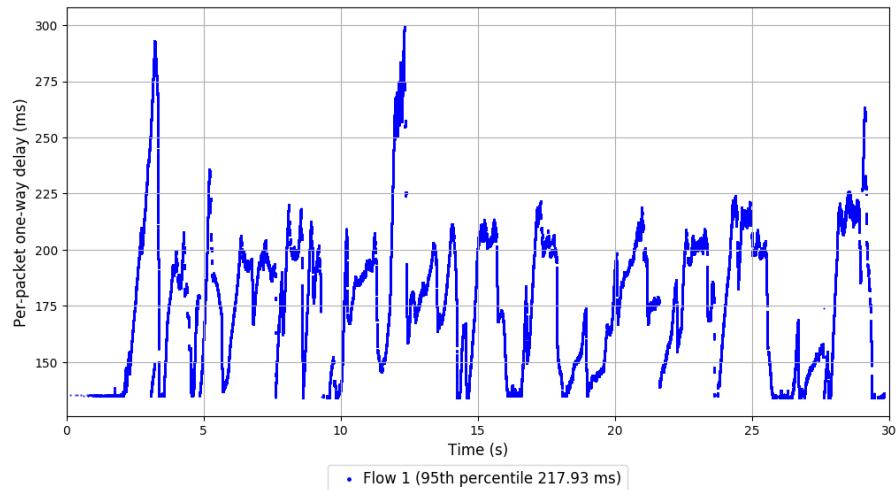
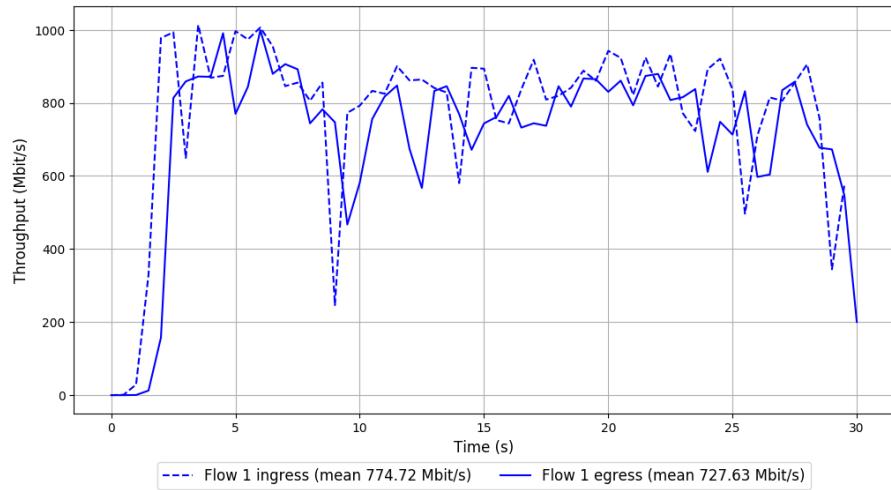


Run 4: Statistics of FillP

```
Start at: 2018-05-31 18:39:57
End at: 2018-05-31 18:40:27
Local clock offset: -0.126 ms
Remote clock offset: 0.37 ms

# Below is generated by plot.py at 2018-05-31 21:26:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 727.63 Mbit/s
95th percentile per-packet one-way delay: 217.926 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 727.63 Mbit/s
95th percentile per-packet one-way delay: 217.926 ms
Loss rate: 6.94%
```

Run 4: Report of FillP — Data Link

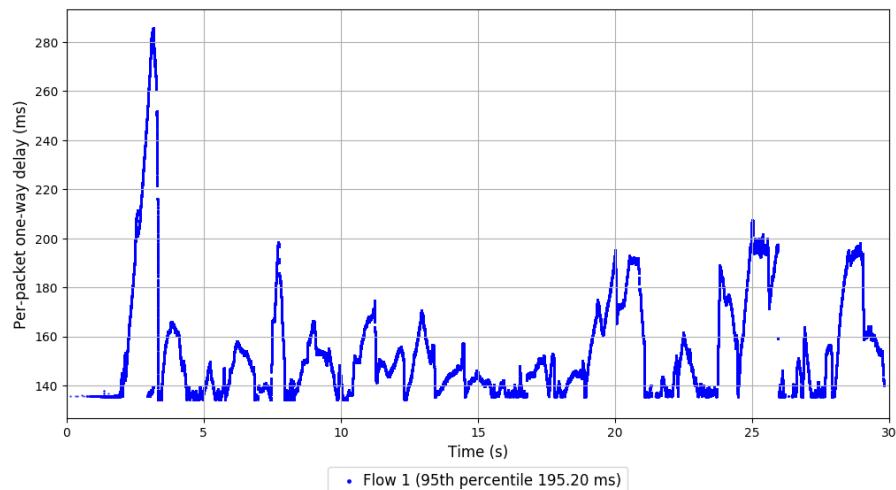
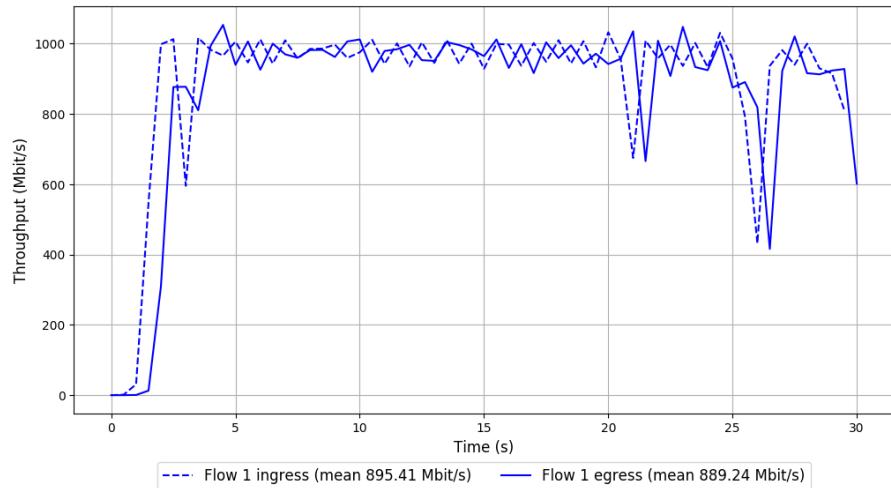


Run 5: Statistics of FillP

```
Start at: 2018-05-31 19:01:19
End at: 2018-05-31 19:01:49
Local clock offset: -0.483 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-05-31 21:27:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 889.24 Mbit/s
95th percentile per-packet one-way delay: 195.197 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 889.24 Mbit/s
95th percentile per-packet one-way delay: 195.197 ms
Loss rate: 1.59%
```

Run 5: Report of FillP — Data Link

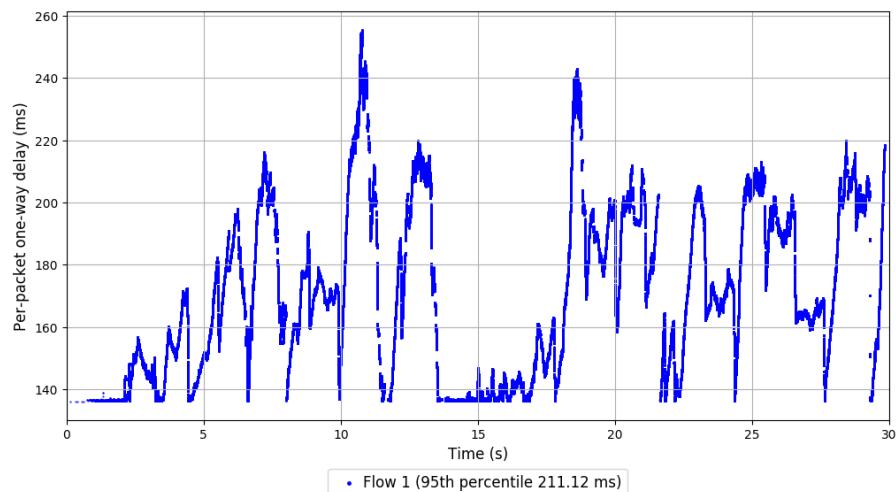
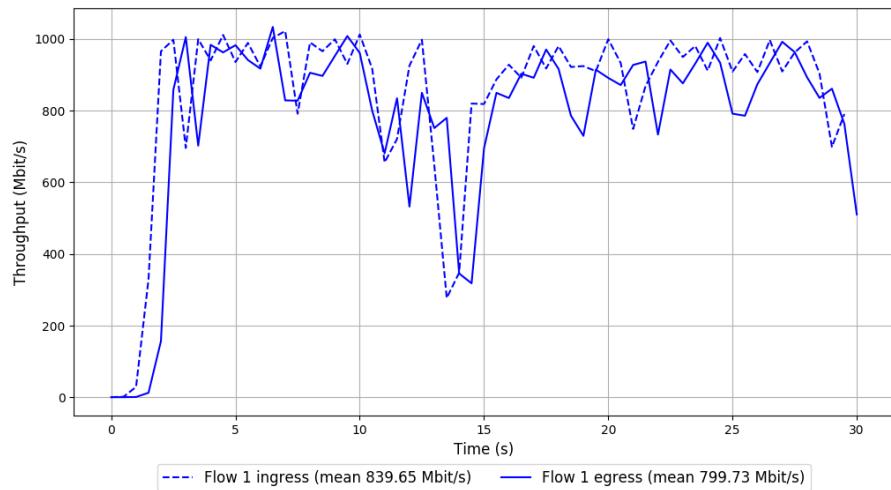


Run 6: Statistics of FillP

```
Start at: 2018-05-31 19:22:53
End at: 2018-05-31 19:23:23
Local clock offset: -0.148 ms
Remote clock offset: -0.394 ms

# Below is generated by plot.py at 2018-05-31 21:27:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 799.73 Mbit/s
95th percentile per-packet one-way delay: 211.121 ms
Loss rate: 5.62%
-- Flow 1:
Average throughput: 799.73 Mbit/s
95th percentile per-packet one-way delay: 211.121 ms
Loss rate: 5.62%
```

Run 6: Report of FillP — Data Link

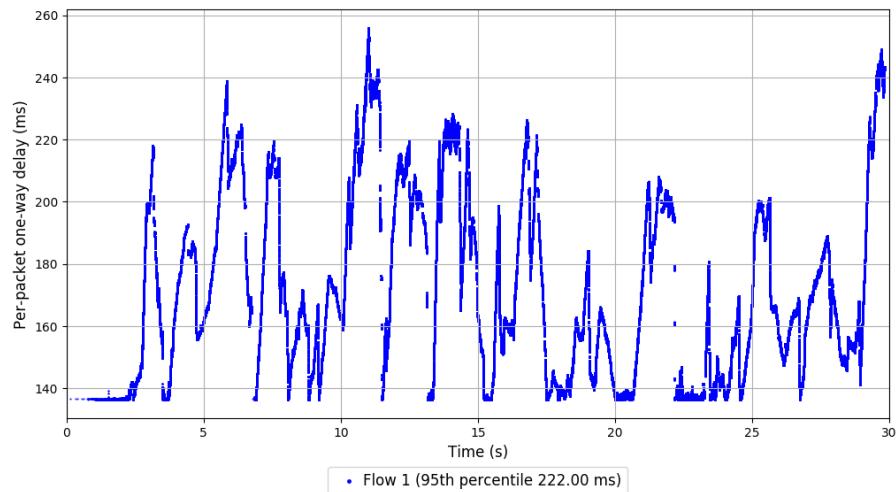
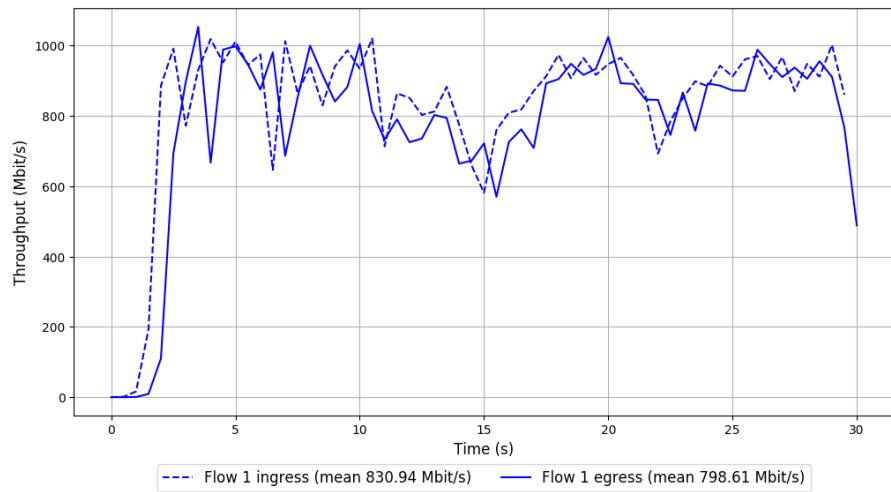


Run 7: Statistics of FillP

```
Start at: 2018-05-31 19:44:33
End at: 2018-05-31 19:45:03
Local clock offset: -0.149 ms
Remote clock offset: -0.371 ms

# Below is generated by plot.py at 2018-05-31 21:27:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 798.61 Mbit/s
95th percentile per-packet one-way delay: 221.997 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 798.61 Mbit/s
95th percentile per-packet one-way delay: 221.997 ms
Loss rate: 4.77%
```

Run 7: Report of FillP — Data Link

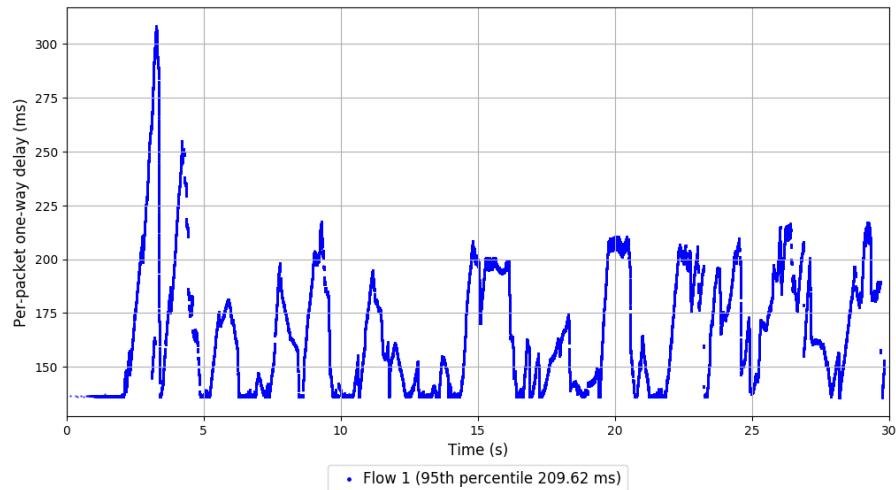
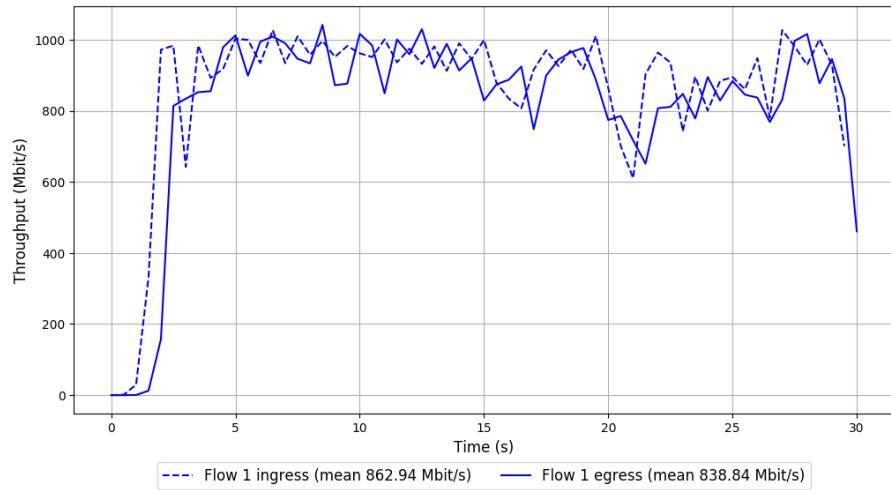


Run 8: Statistics of FillP

```
Start at: 2018-05-31 20:05:39
End at: 2018-05-31 20:06:09
Local clock offset: 0.019 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-05-31 21:28:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 838.84 Mbit/s
95th percentile per-packet one-way delay: 209.625 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 838.84 Mbit/s
95th percentile per-packet one-way delay: 209.625 ms
Loss rate: 3.68%
```

Run 8: Report of FillP — Data Link

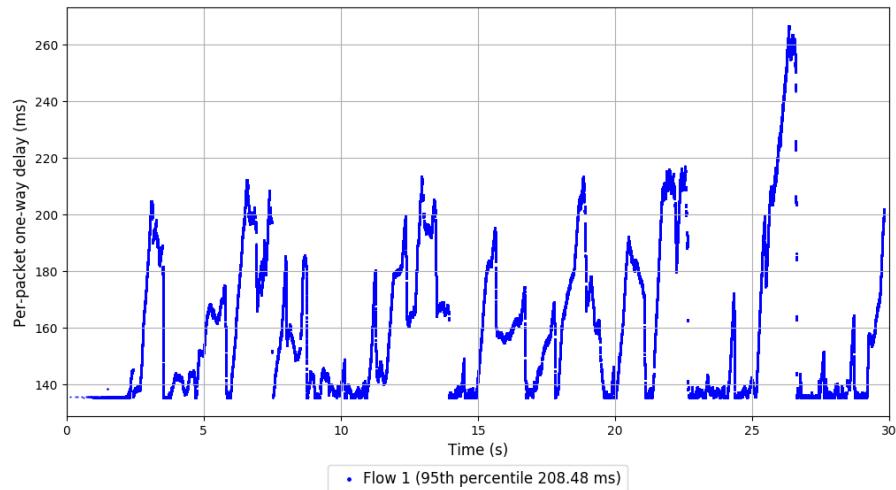
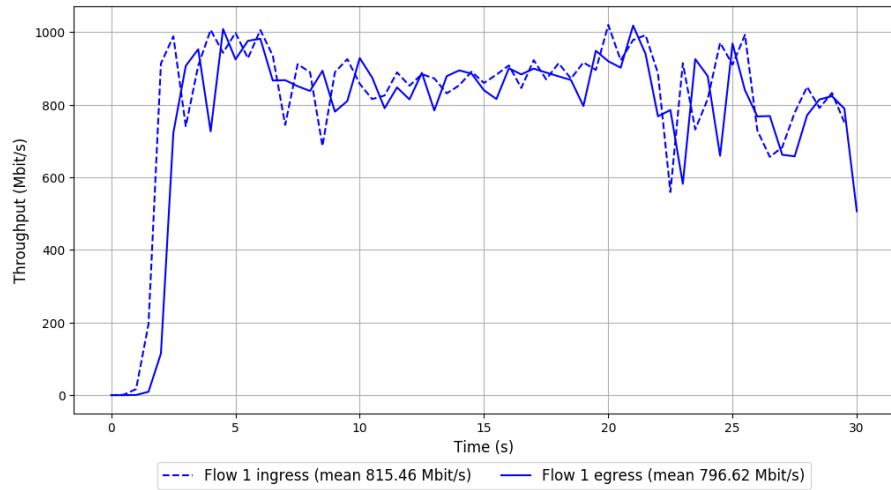


```
Run 9: Statistics of FillP
```

```
Start at: 2018-05-31 20:26:57
End at: 2018-05-31 20:27:27
Local clock offset: -0.624 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-05-31 21:41:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 796.62 Mbit/s
95th percentile per-packet one-way delay: 208.478 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 796.62 Mbit/s
95th percentile per-packet one-way delay: 208.478 ms
Loss rate: 3.20%
```

Run 9: Report of FillP — Data Link

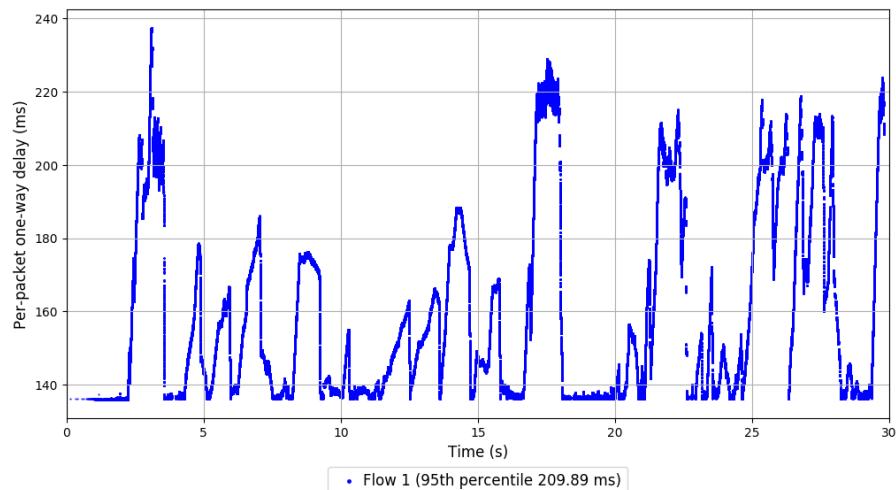
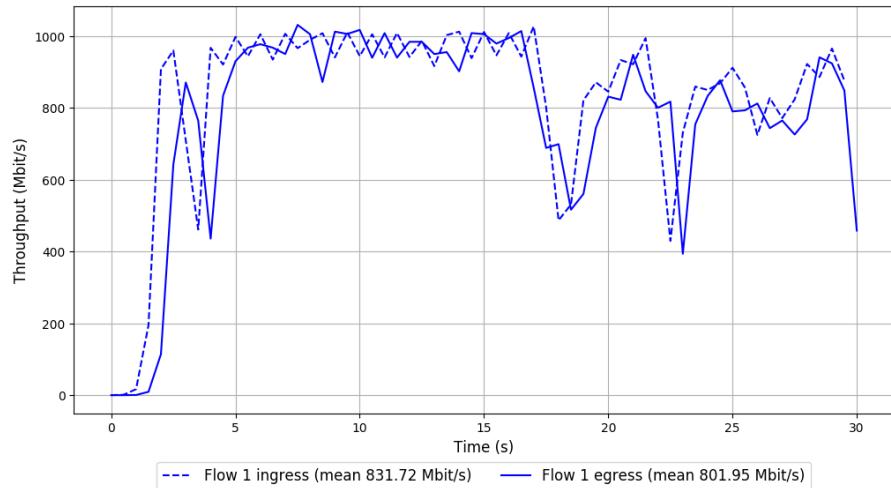


```
Run 10: Statistics of FillP
```

```
Start at: 2018-05-31 20:48:41
End at: 2018-05-31 20:49:11
Local clock offset: -0.318 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 801.95 Mbit/s
95th percentile per-packet one-way delay: 209.892 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 801.95 Mbit/s
95th percentile per-packet one-way delay: 209.892 ms
Loss rate: 4.45%
```

Run 10: Report of FillP — Data Link

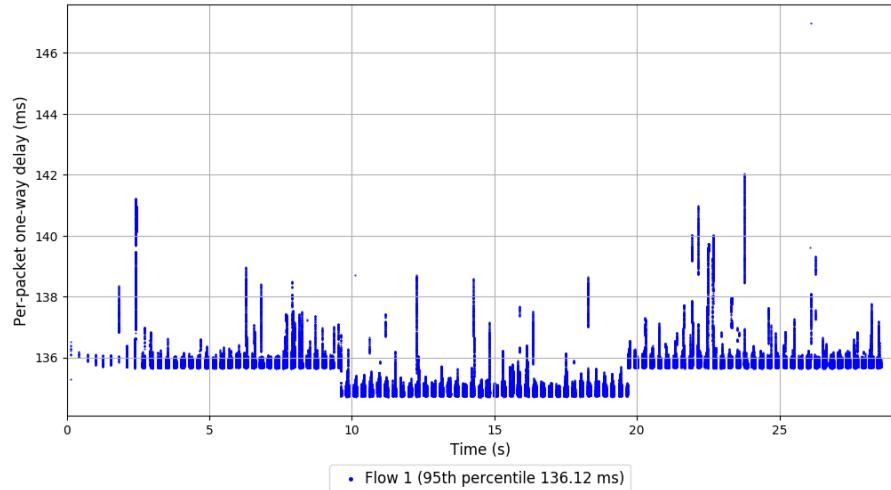
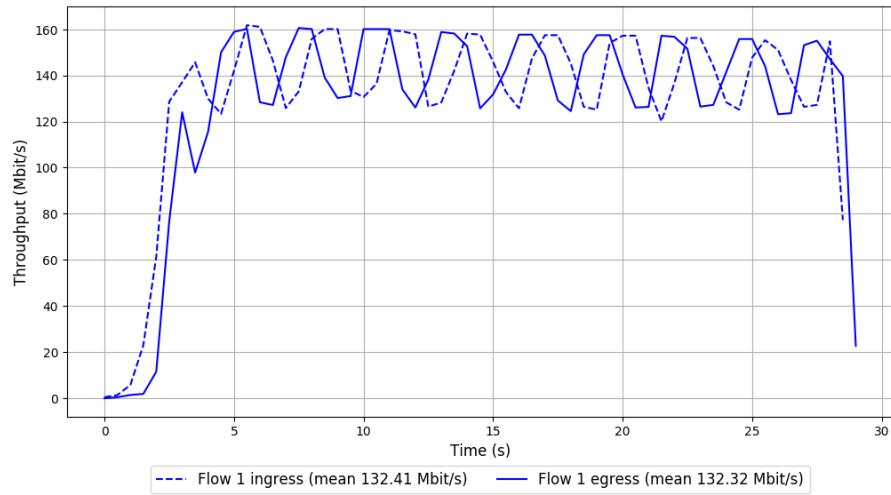


Run 1: Statistics of Indigo

```
Start at: 2018-05-31 17:27:13
End at: 2018-05-31 17:27:43
Local clock offset: -0.267 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.32 Mbit/s
95th percentile per-packet one-way delay: 136.123 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 132.32 Mbit/s
95th percentile per-packet one-way delay: 136.123 ms
Loss rate: 1.02%
```

Run 1: Report of Indigo — Data Link

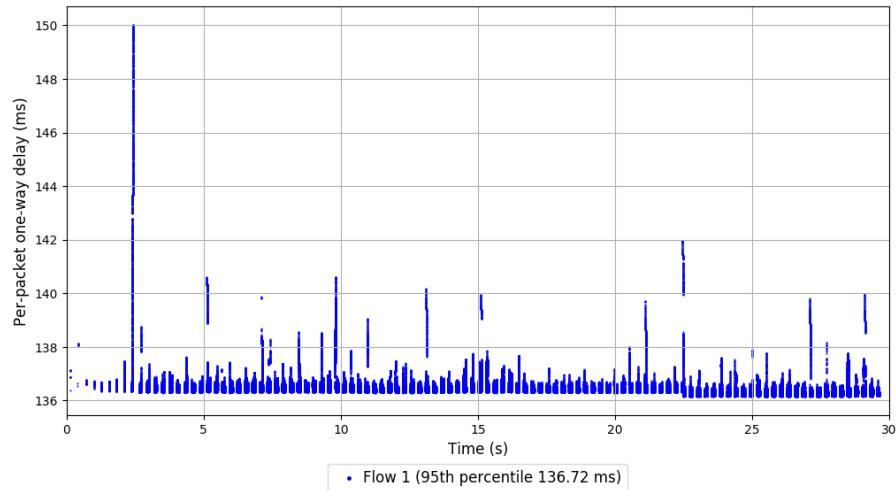
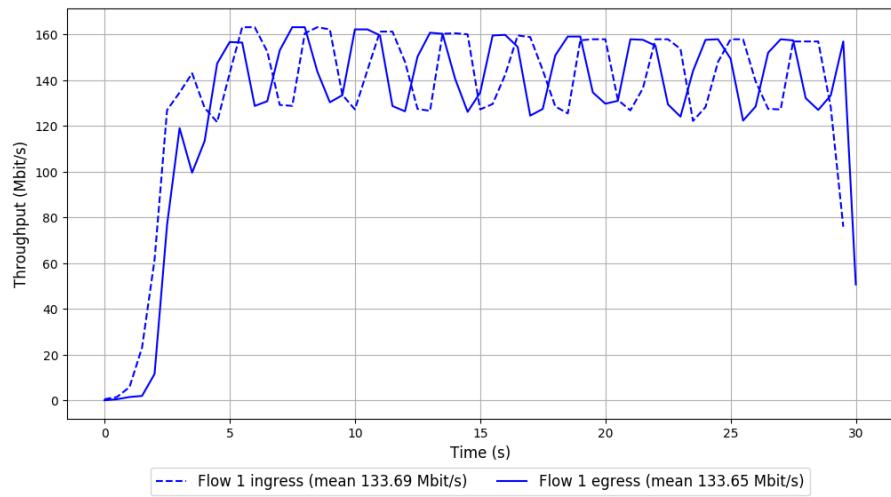


Run 2: Statistics of Indigo

```
Start at: 2018-05-31 17:48:51
End at: 2018-05-31 17:49:21
Local clock offset: -0.116 ms
Remote clock offset: -0.415 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.65 Mbit/s
95th percentile per-packet one-way delay: 136.719 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 133.65 Mbit/s
95th percentile per-packet one-way delay: 136.719 ms
Loss rate: 0.94%
```

Run 2: Report of Indigo — Data Link

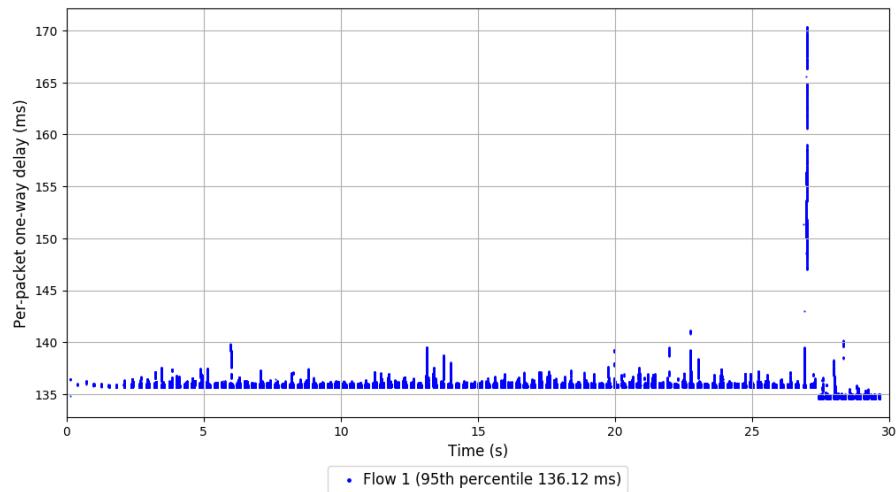
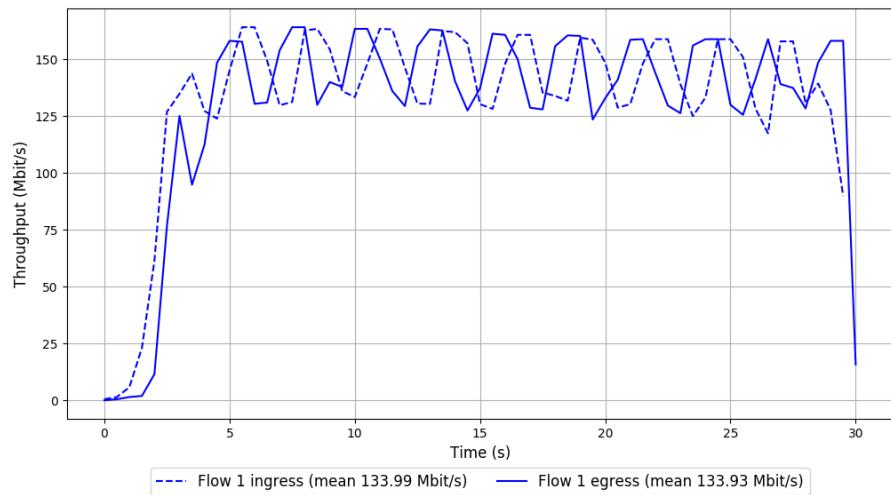


Run 3: Statistics of Indigo

```
Start at: 2018-05-31 18:10:07
End at: 2018-05-31 18:10:37
Local clock offset: -0.337 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.93 Mbit/s
95th percentile per-packet one-way delay: 136.125 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 133.93 Mbit/s
95th percentile per-packet one-way delay: 136.125 ms
Loss rate: 0.96%
```

Run 3: Report of Indigo — Data Link

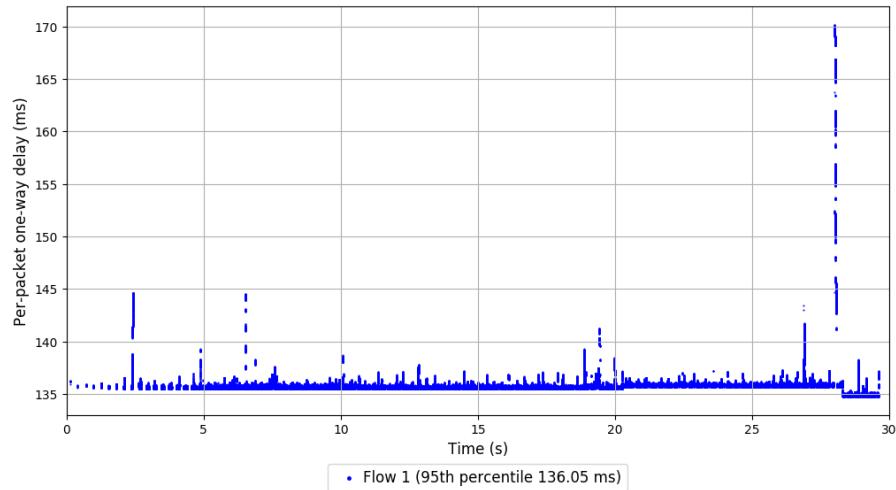
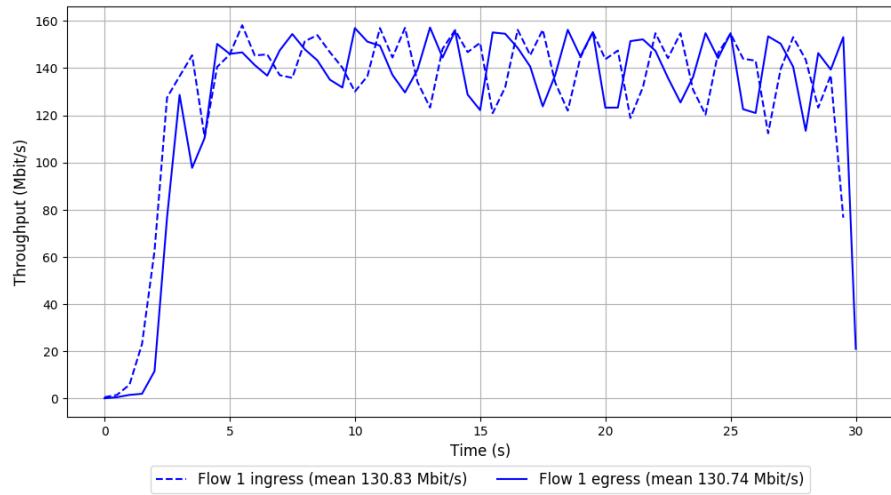


Run 4: Statistics of Indigo

```
Start at: 2018-05-31 18:31:54
End at: 2018-05-31 18:32:24
Local clock offset: -0.277 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.74 Mbit/s
95th percentile per-packet one-way delay: 136.049 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 130.74 Mbit/s
95th percentile per-packet one-way delay: 136.049 ms
Loss rate: 0.98%
```

Run 4: Report of Indigo — Data Link

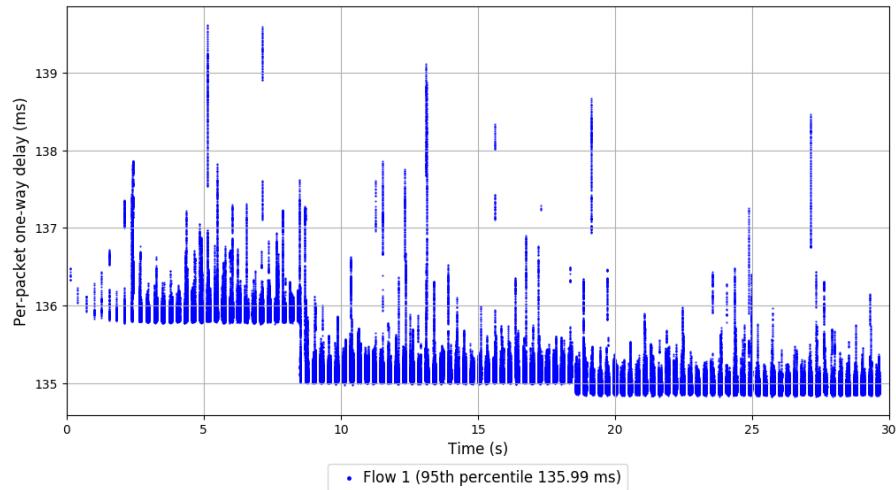
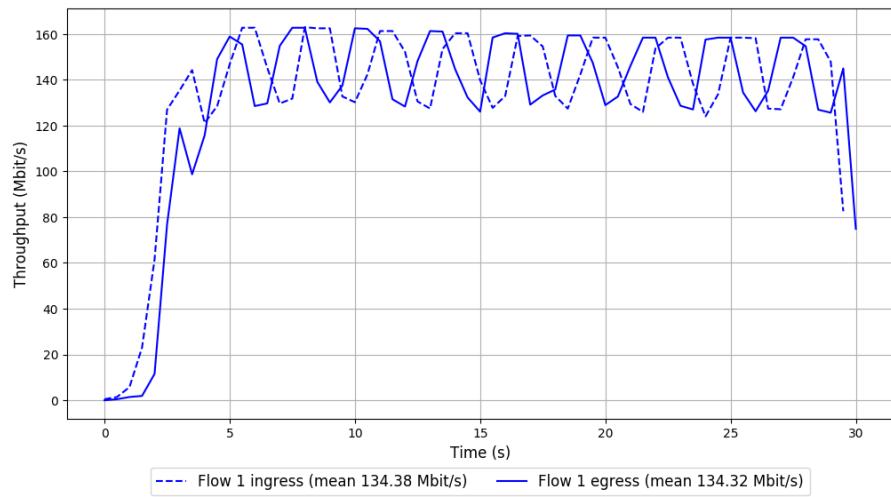


Run 5: Statistics of Indigo

```
Start at: 2018-05-31 18:53:05
End at: 2018-05-31 18:53:35
Local clock offset: -0.063 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.32 Mbit/s
95th percentile per-packet one-way delay: 135.987 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 134.32 Mbit/s
95th percentile per-packet one-way delay: 135.987 ms
Loss rate: 0.96%
```

Run 5: Report of Indigo — Data Link

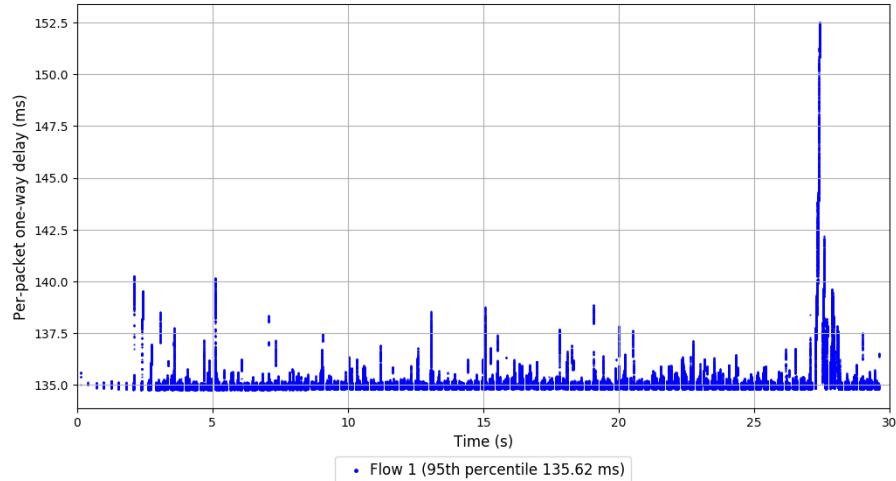
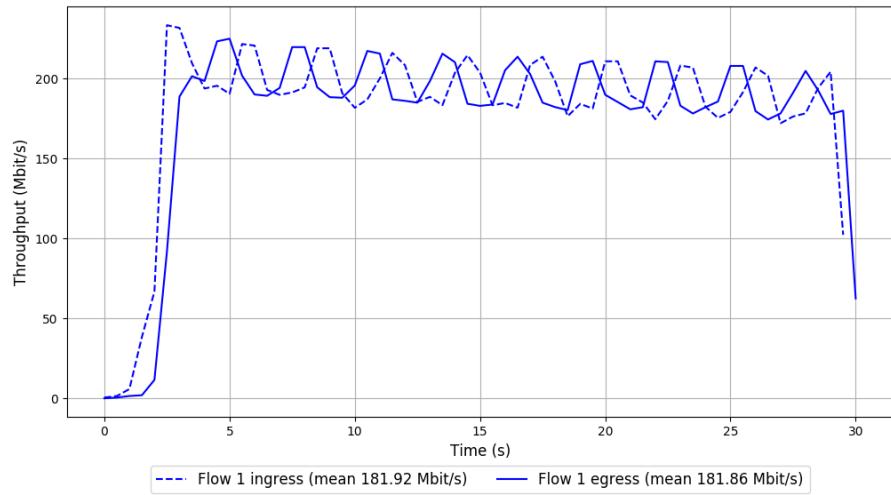


Run 6: Statistics of Indigo

```
Start at: 2018-05-31 19:14:46
End at: 2018-05-31 19:15:16
Local clock offset: -0.185 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.86 Mbit/s
95th percentile per-packet one-way delay: 135.620 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 181.86 Mbit/s
95th percentile per-packet one-way delay: 135.620 ms
Loss rate: 0.94%
```

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-31 19:36:23

End at: 2018-05-31 19:36:53

Local clock offset: -0.264 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-31 21:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.72 Mbit/s

95th percentile per-packet one-way delay: 136.018 ms

Loss rate: 0.98%

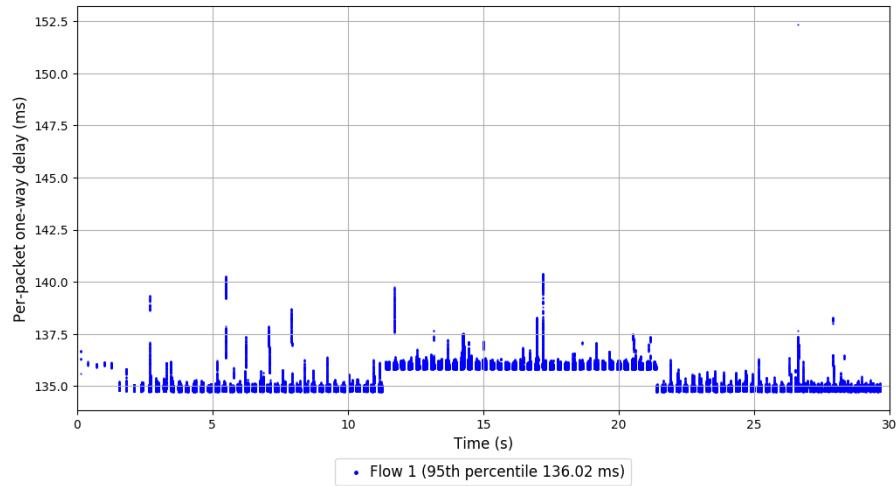
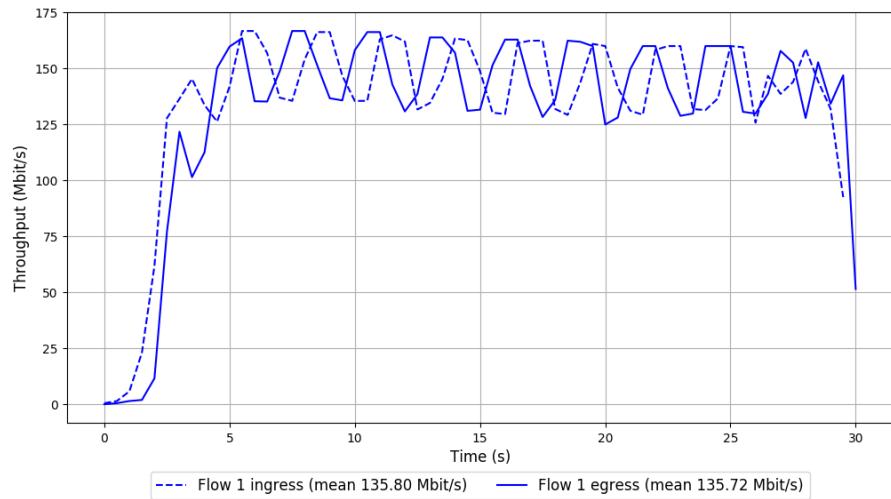
-- Flow 1:

Average throughput: 135.72 Mbit/s

95th percentile per-packet one-way delay: 136.018 ms

Loss rate: 0.98%

Run 7: Report of Indigo — Data Link

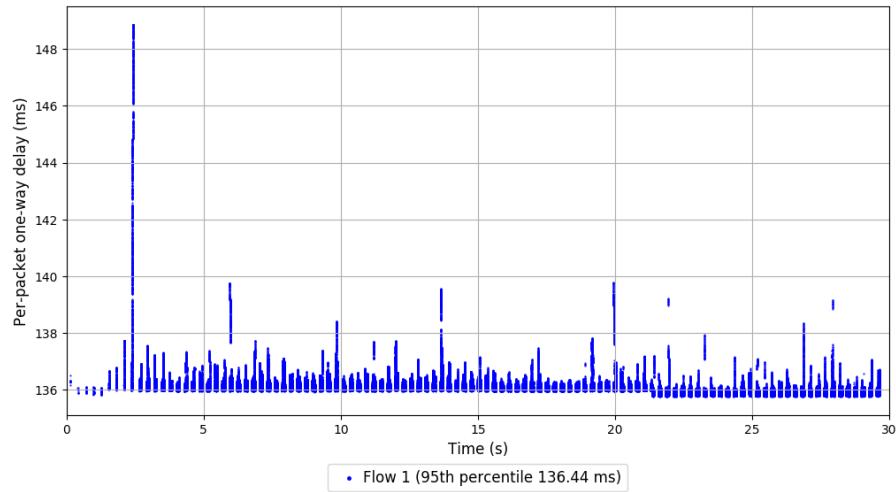
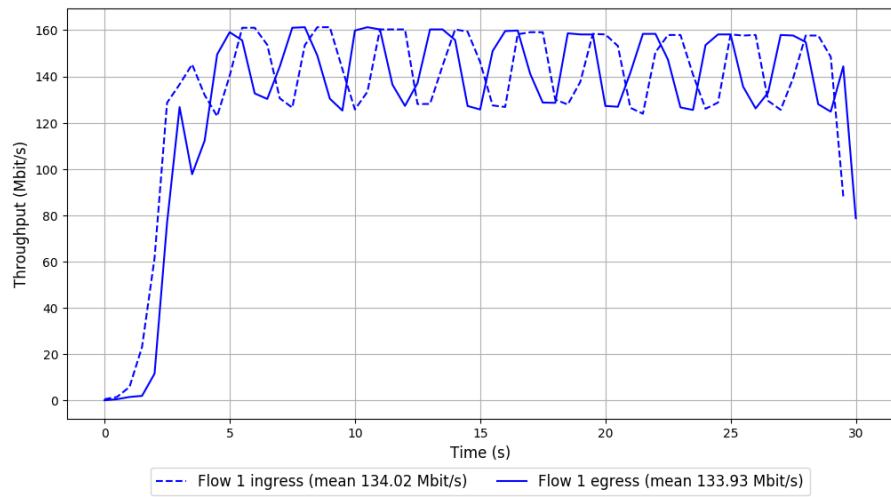


Run 8: Statistics of Indigo

```
Start at: 2018-05-31 19:57:33
End at: 2018-05-31 19:58:03
Local clock offset: -0.191 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.93 Mbit/s
95th percentile per-packet one-way delay: 136.441 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 133.93 Mbit/s
95th percentile per-packet one-way delay: 136.441 ms
Loss rate: 0.99%
```

Run 8: Report of Indigo — Data Link

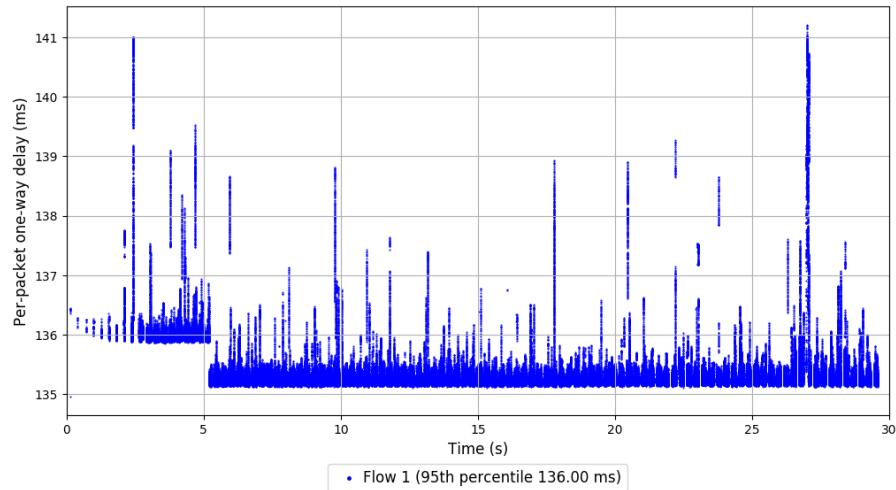
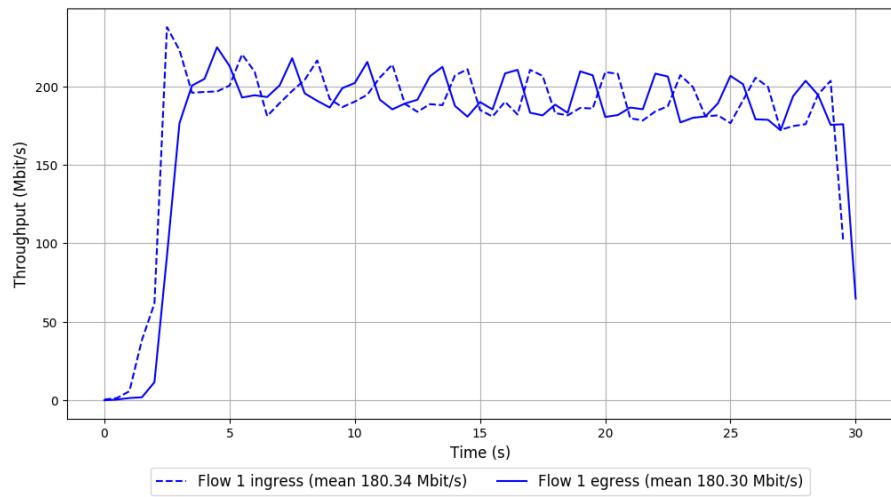


Run 9: Statistics of Indigo

```
Start at: 2018-05-31 20:18:39
End at: 2018-05-31 20:19:09
Local clock offset: -0.133 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.30 Mbit/s
95th percentile per-packet one-way delay: 135.999 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 180.30 Mbit/s
95th percentile per-packet one-way delay: 135.999 ms
Loss rate: 0.95%
```

Run 9: Report of Indigo — Data Link

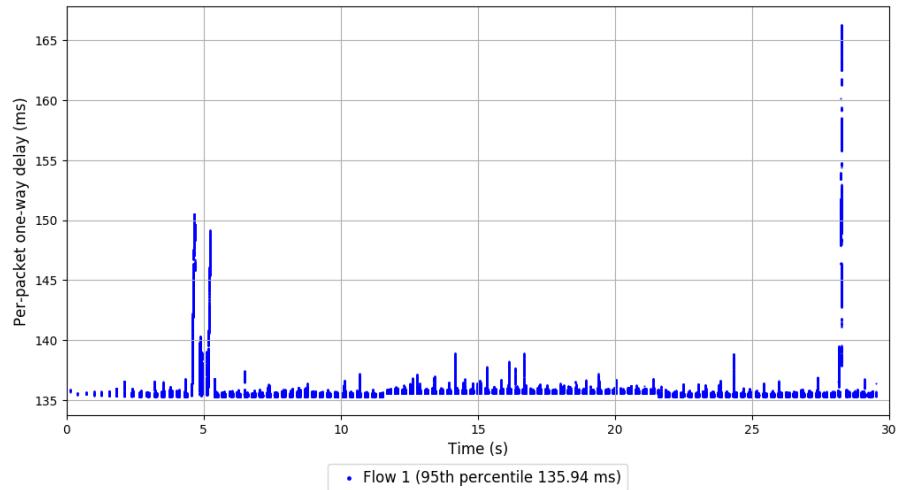
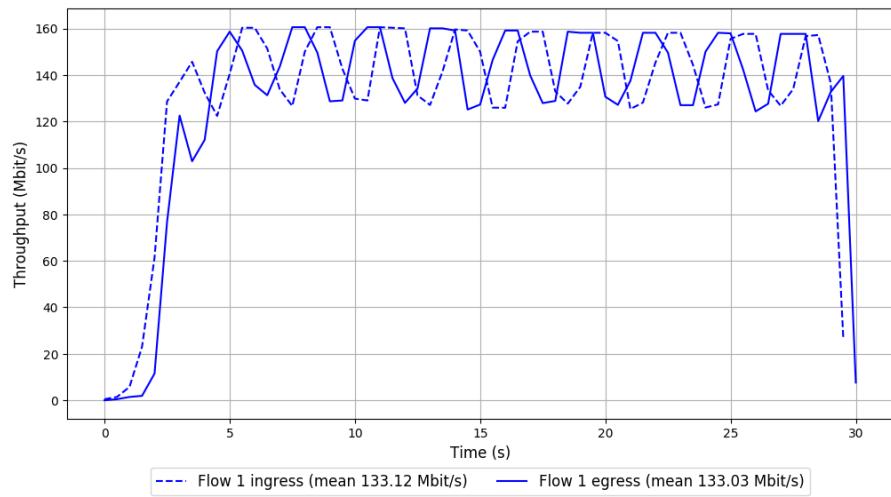


Run 10: Statistics of Indigo

```
Start at: 2018-05-31 20:40:22
End at: 2018-05-31 20:40:52
Local clock offset: -0.234 ms
Remote clock offset: 0.362 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.03 Mbit/s
95th percentile per-packet one-way delay: 135.945 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 133.03 Mbit/s
95th percentile per-packet one-way delay: 135.945 ms
Loss rate: 0.98%
```

Run 10: Report of Indigo — Data Link

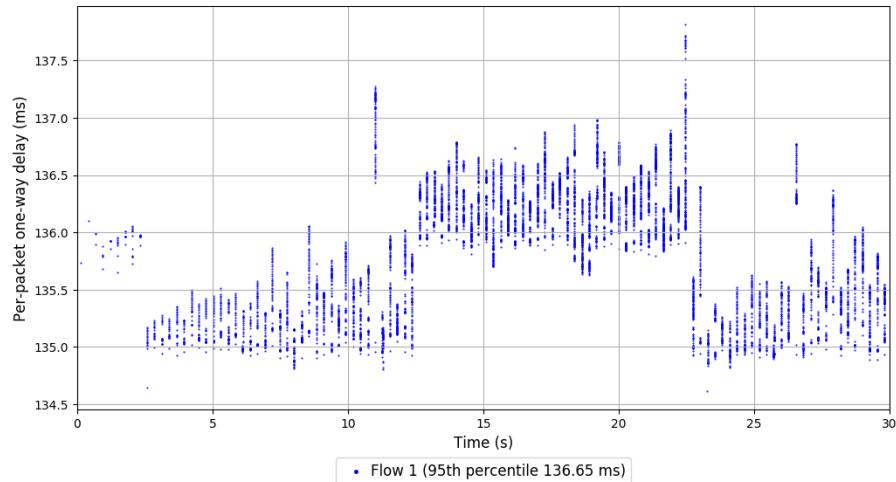
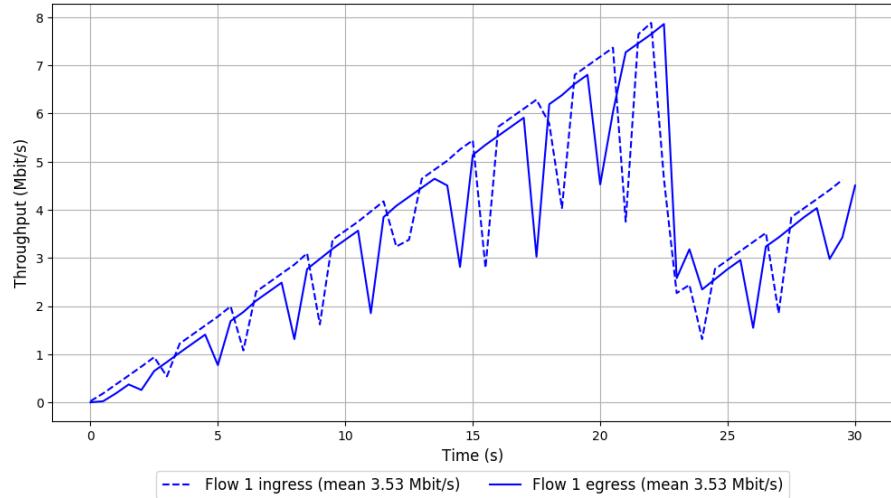


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-05-31 17:24:52
End at: 2018-05-31 17:25:22
Local clock offset: -0.291 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 136.652 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 136.652 ms
Loss rate: 1.12%
```

Run 1: Report of LEDBAT — Data Link

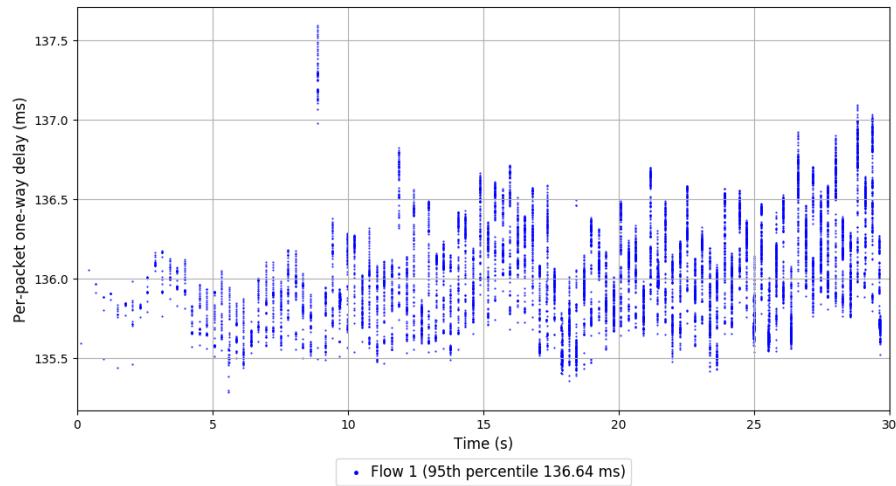
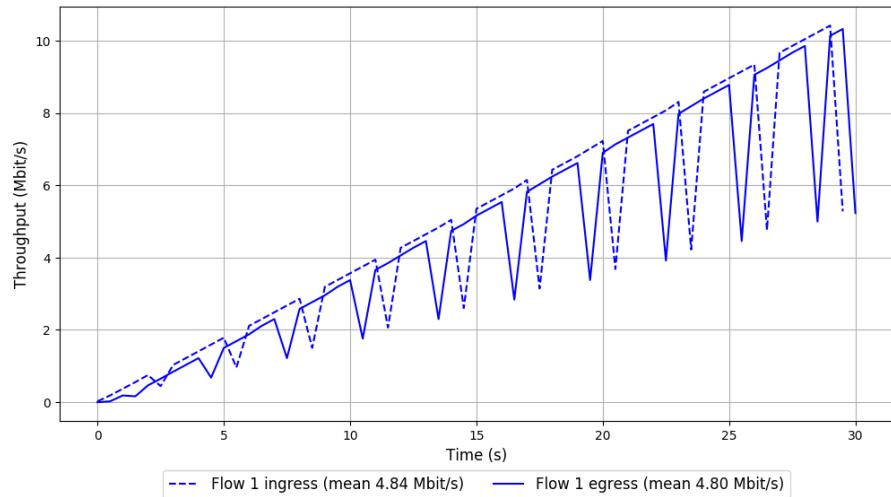


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-31 17:46:30
End at: 2018-05-31 17:47:00
Local clock offset: -0.497 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 136.644 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 136.644 ms
Loss rate: 1.83%
```

Run 2: Report of LEDBAT — Data Link

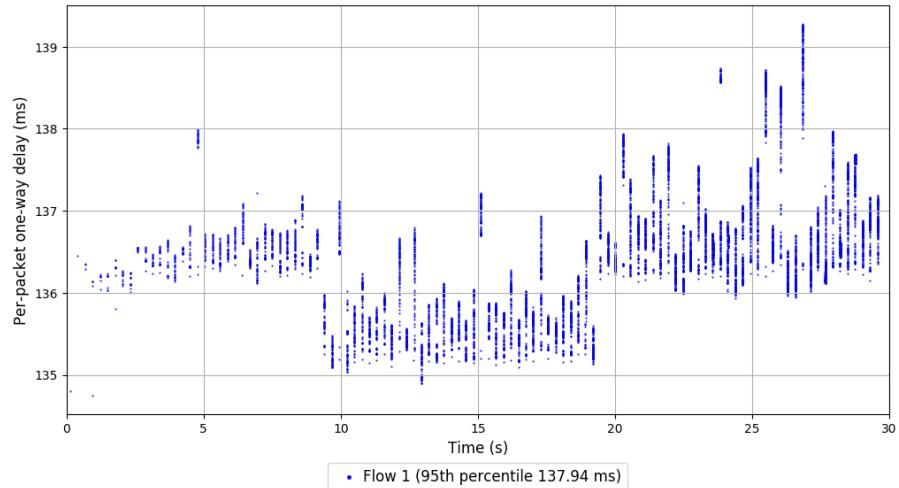
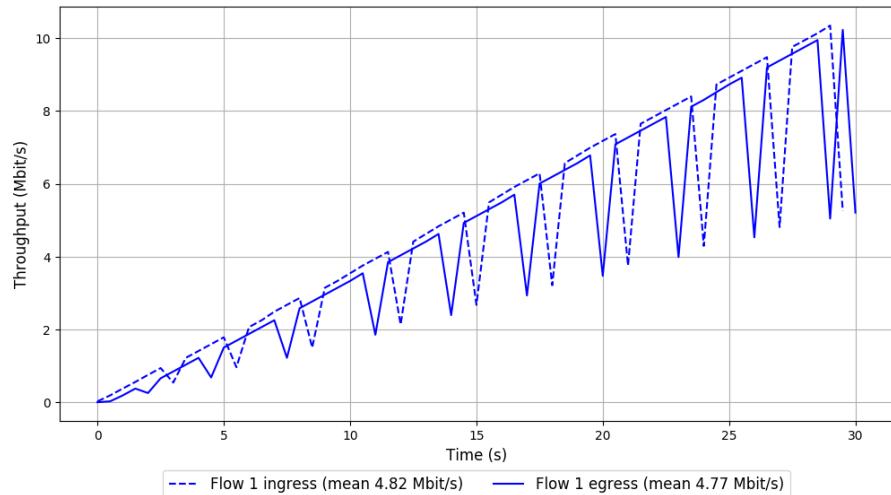


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-31 18:07:45
End at: 2018-05-31 18:08:15
Local clock offset: -0.412 ms
Remote clock offset: -0.332 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.940 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.940 ms
Loss rate: 1.83%
```

Run 3: Report of LEDBAT — Data Link

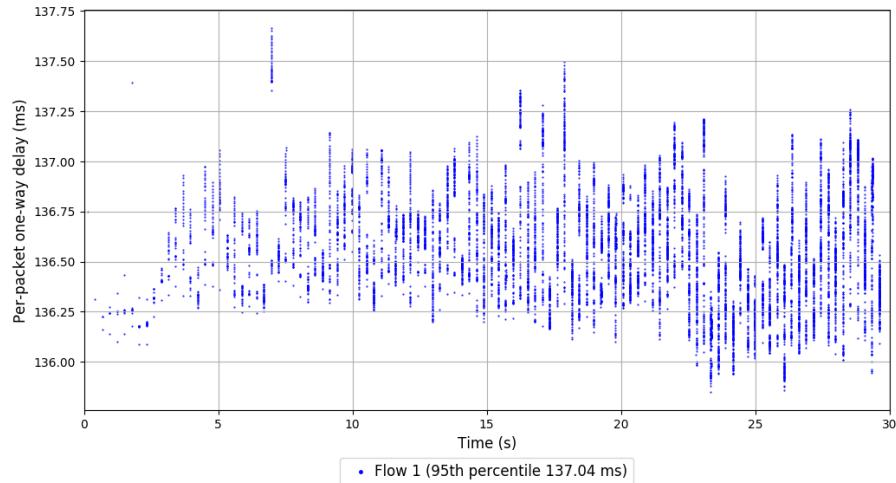
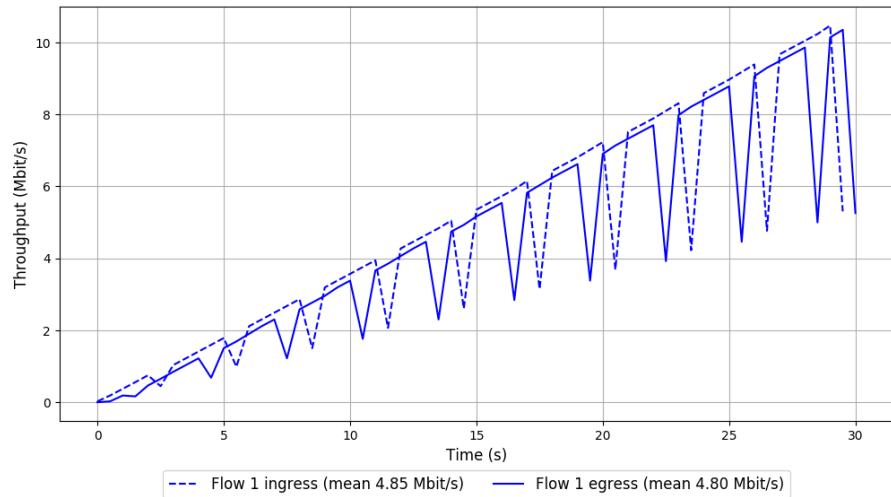


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-31 18:29:32
End at: 2018-05-31 18:30:02
Local clock offset: -0.319 ms
Remote clock offset: -0.387 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 137.041 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 137.041 ms
Loss rate: 1.84%
```

Run 4: Report of LEDBAT — Data Link

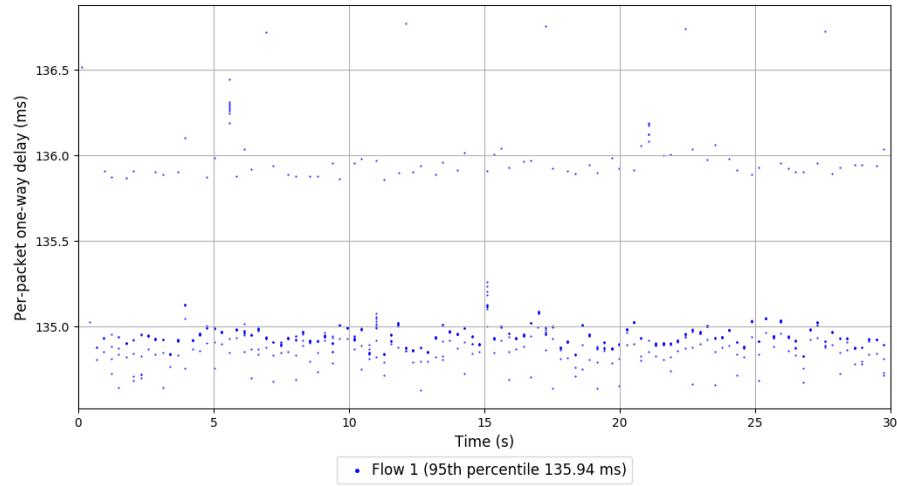
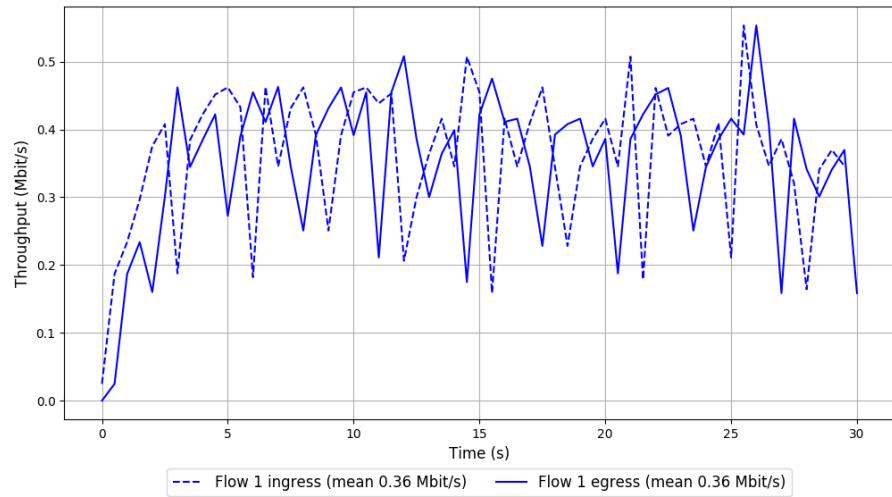


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-31 18:50:44
End at: 2018-05-31 18:51:14
Local clock offset: -0.054 ms
Remote clock offset: 0.376 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 135.942 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 135.942 ms
Loss rate: 0.87%
```

Run 5: Report of LEDBAT — Data Link

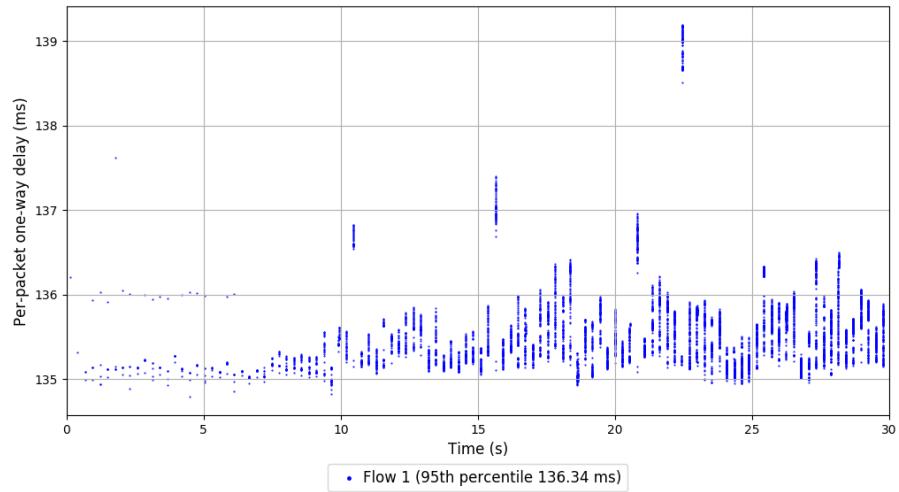
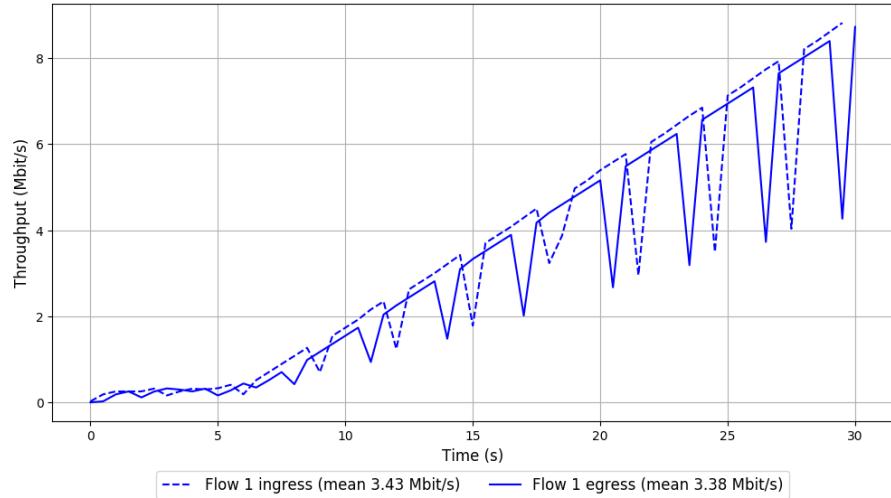


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-31 19:12:24
End at: 2018-05-31 19:12:54
Local clock offset: -0.197 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 136.338 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 136.338 ms
Loss rate: 2.16%
```

Run 6: Report of LEDBAT — Data Link

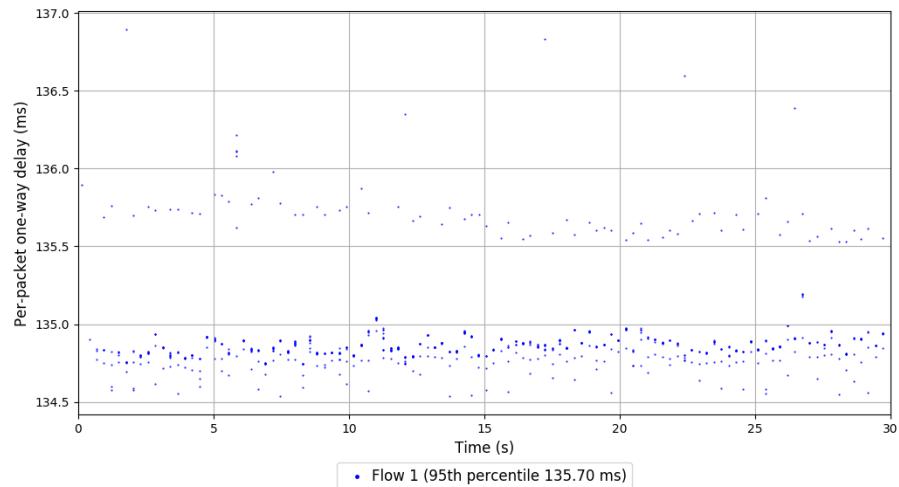
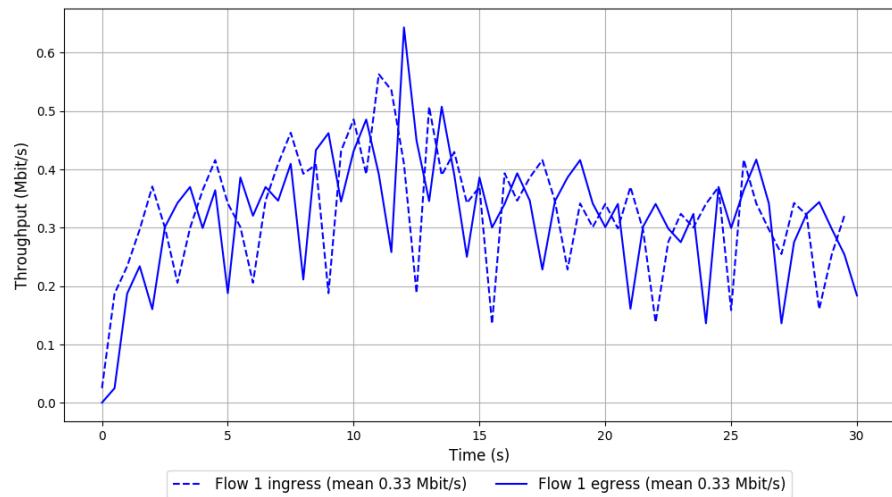


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-31 19:34:02
End at: 2018-05-31 19:34:32
Local clock offset: -0.461 ms
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 135.700 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 135.700 ms
Loss rate: 0.70%
```

Run 7: Report of LEDBAT — Data Link

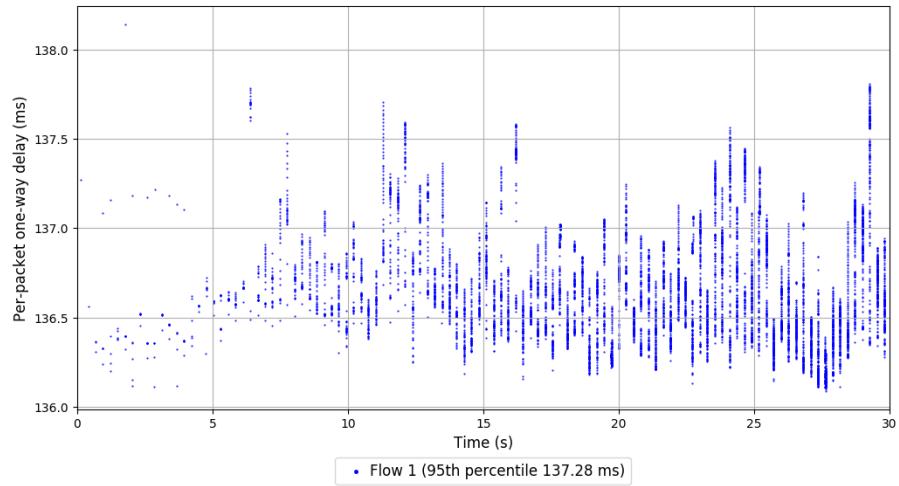
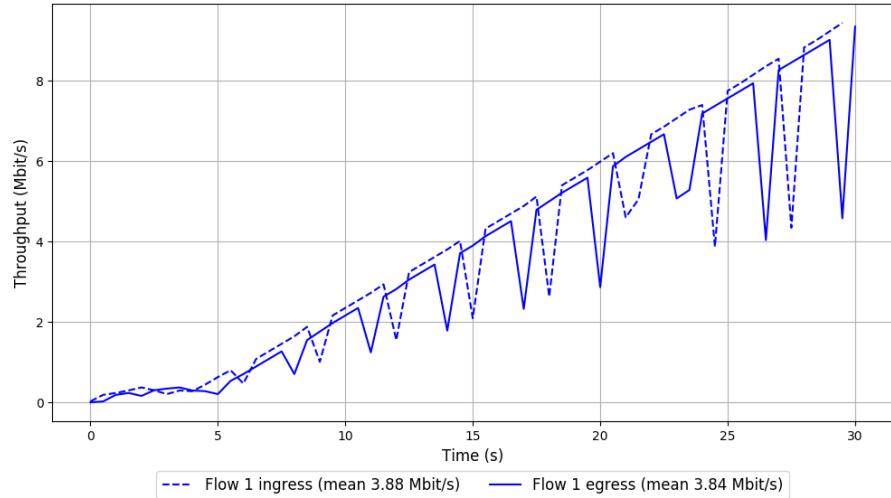


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-31 19:55:10
End at: 2018-05-31 19:55:40
Local clock offset: -0.244 ms
Remote clock offset: -0.372 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 137.285 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 137.285 ms
Loss rate: 2.04%
```

Run 8: Report of LEDBAT — Data Link

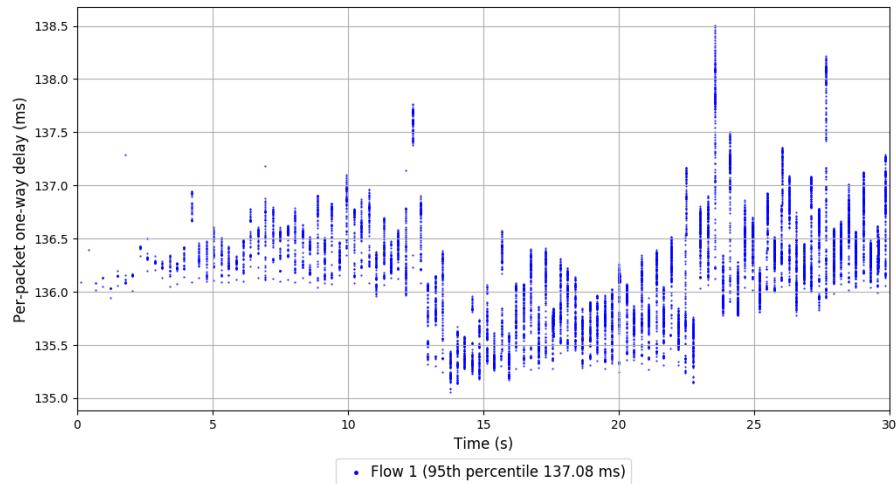
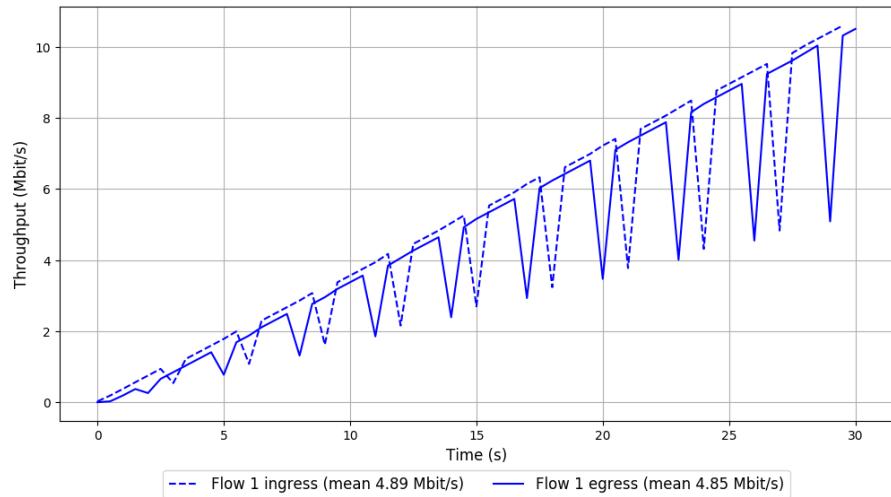


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-31 20:16:21
End at: 2018-05-31 20:16:51
Local clock offset: -0.209 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.080 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.080 ms
Loss rate: 1.81%
```

Run 9: Report of LEDBAT — Data Link

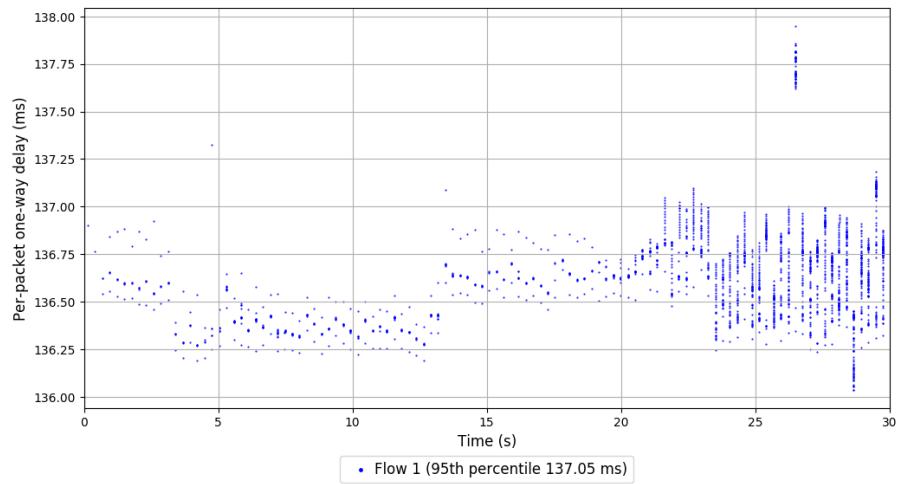
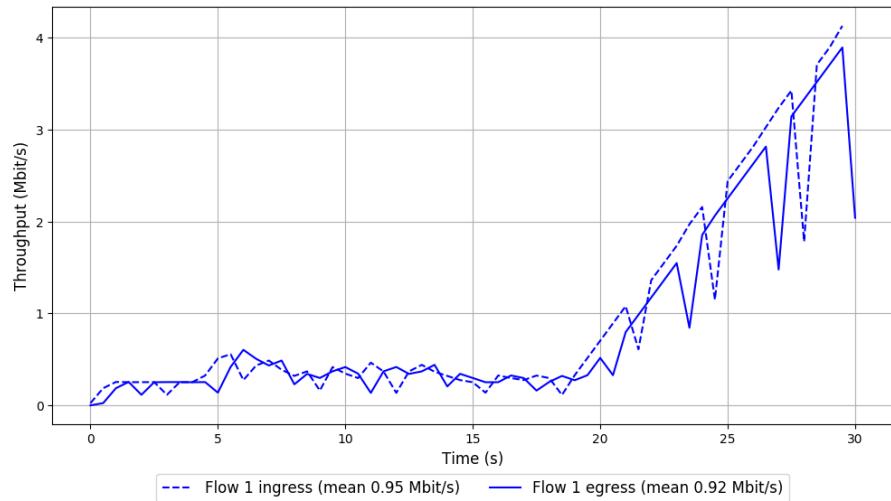


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-31 20:38:01
End at: 2018-05-31 20:38:31
Local clock offset: -0.256 ms
Remote clock offset: -0.362 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 137.052 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 137.052 ms
Loss rate: 3.69%
```

Run 10: Report of LEDBAT — Data Link

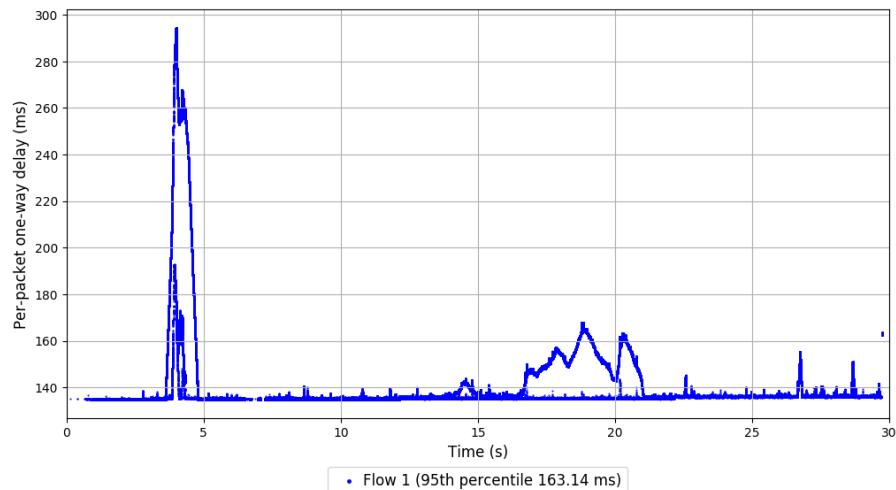
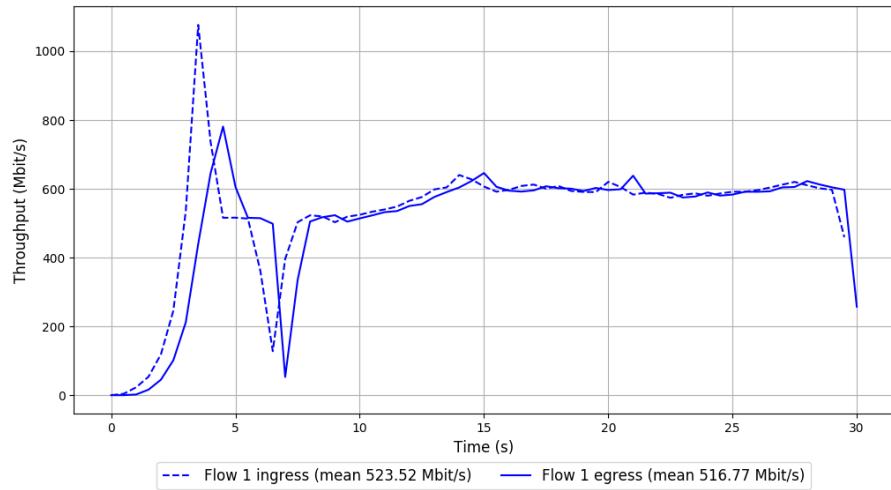


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-31 17:28:32
End at: 2018-05-31 17:29:02
Local clock offset: -0.236 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 516.77 Mbit/s
95th percentile per-packet one-way delay: 163.138 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 516.77 Mbit/s
95th percentile per-packet one-way delay: 163.138 ms
Loss rate: 2.19%
```

Run 1: Report of PCC-Allegro — Data Link

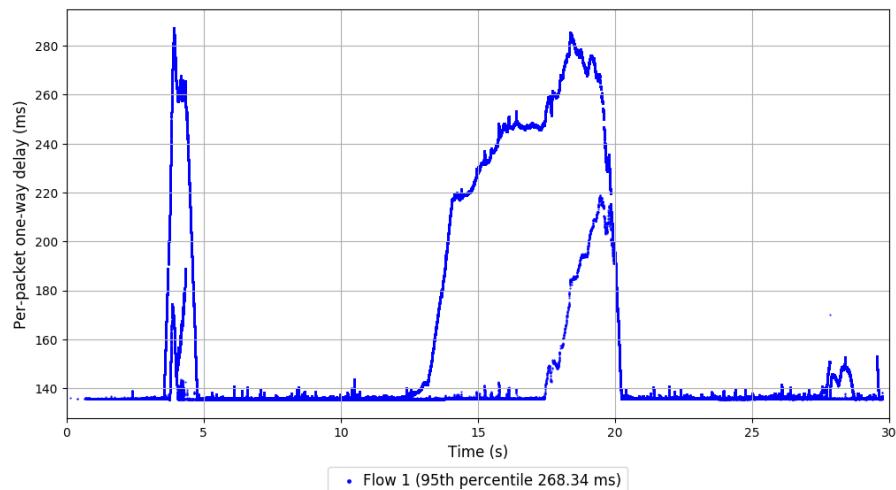
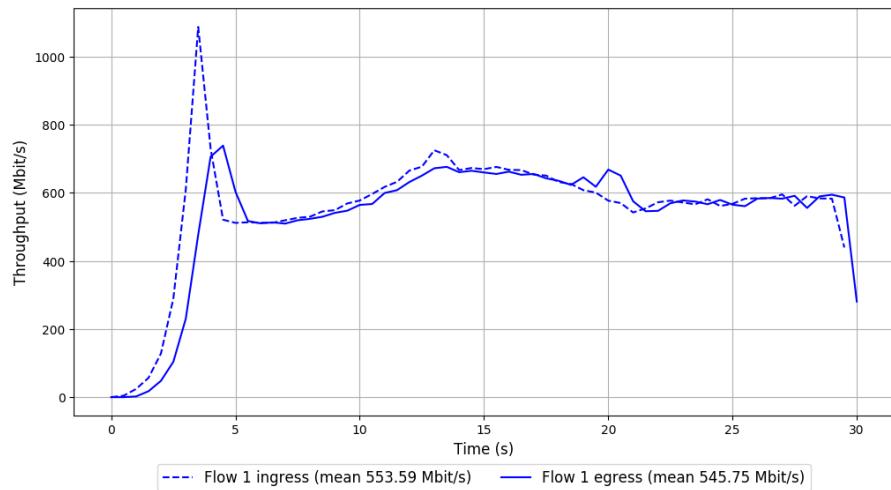


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-31 17:50:10
End at: 2018-05-31 17:50:40
Local clock offset: -0.381 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 545.75 Mbit/s
95th percentile per-packet one-way delay: 268.340 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 545.75 Mbit/s
95th percentile per-packet one-way delay: 268.340 ms
Loss rate: 2.31%
```

Run 2: Report of PCC-Allegro — Data Link

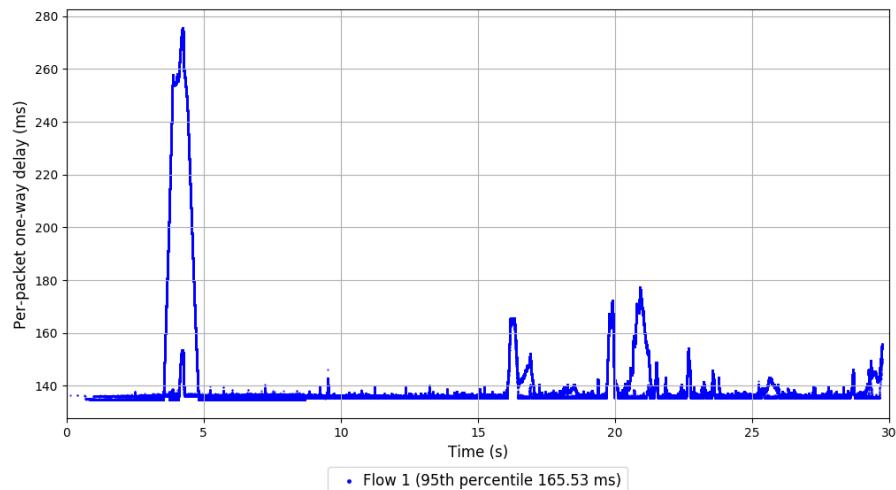
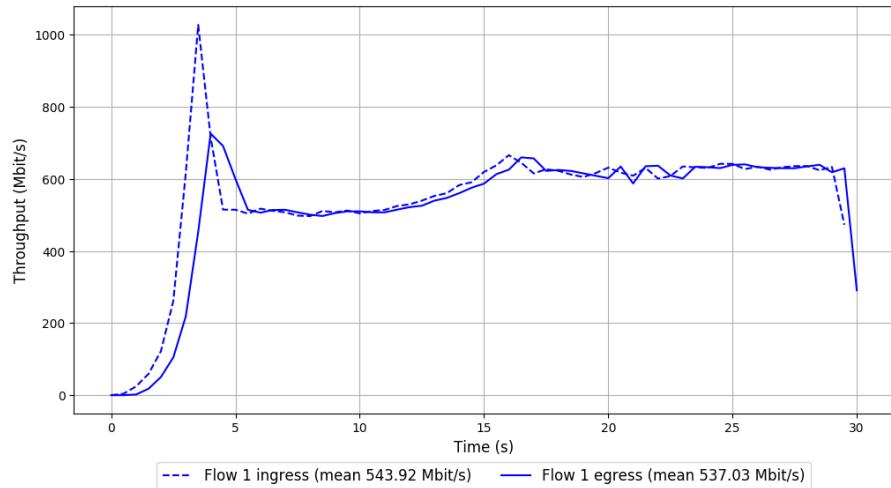


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-31 18:11:25
End at: 2018-05-31 18:11:55
Local clock offset: -0.222 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 537.03 Mbit/s
95th percentile per-packet one-way delay: 165.528 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 537.03 Mbit/s
95th percentile per-packet one-way delay: 165.528 ms
Loss rate: 2.17%
```

Run 3: Report of PCC-Allegro — Data Link

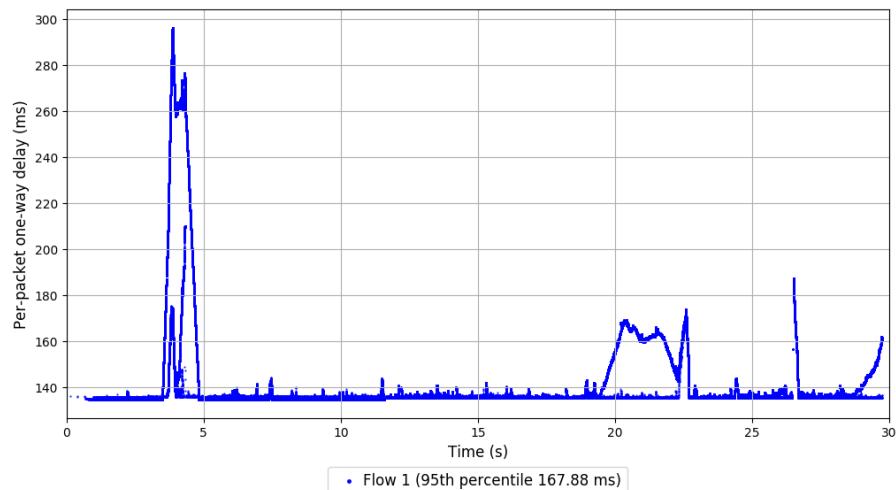
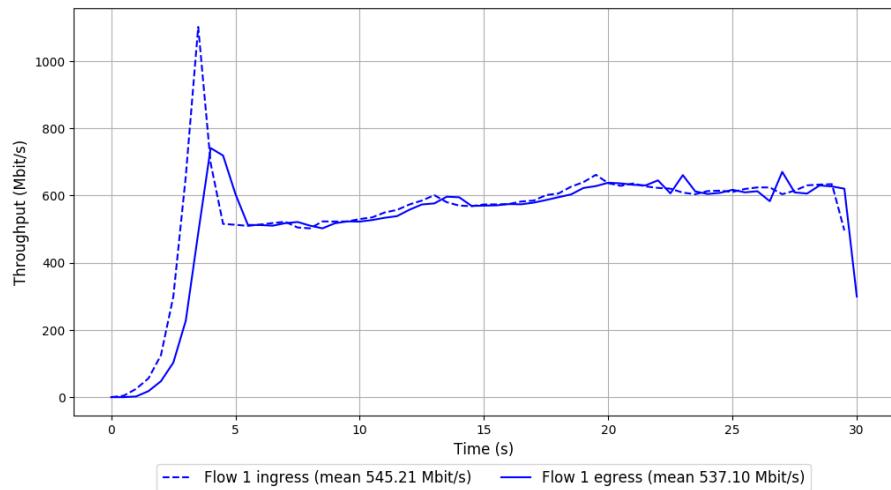


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-31 18:33:12
End at: 2018-05-31 18:33:43
Local clock offset: -0.099 ms
Remote clock offset: 0.372 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 537.10 Mbit/s
95th percentile per-packet one-way delay: 167.885 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 537.10 Mbit/s
95th percentile per-packet one-way delay: 167.885 ms
Loss rate: 2.39%
```

Run 4: Report of PCC-Allegro — Data Link

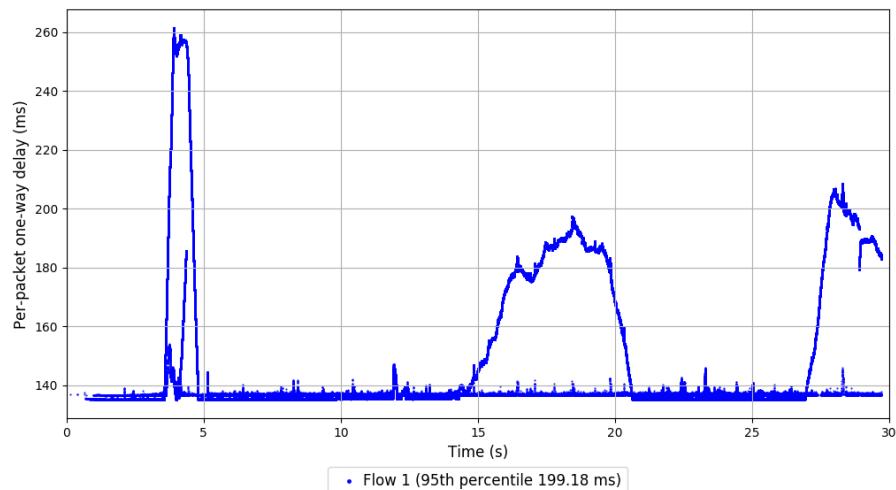
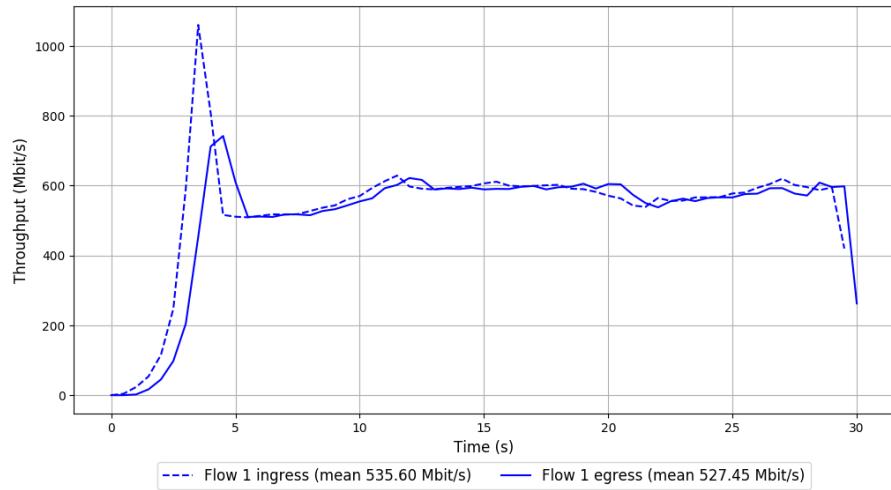


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-31 18:54:24
End at: 2018-05-31 18:54:54
Local clock offset: 0.129 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 527.45 Mbit/s
95th percentile per-packet one-way delay: 199.184 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 527.45 Mbit/s
95th percentile per-packet one-way delay: 199.184 ms
Loss rate: 2.43%
```

Run 5: Report of PCC-Allegro — Data Link

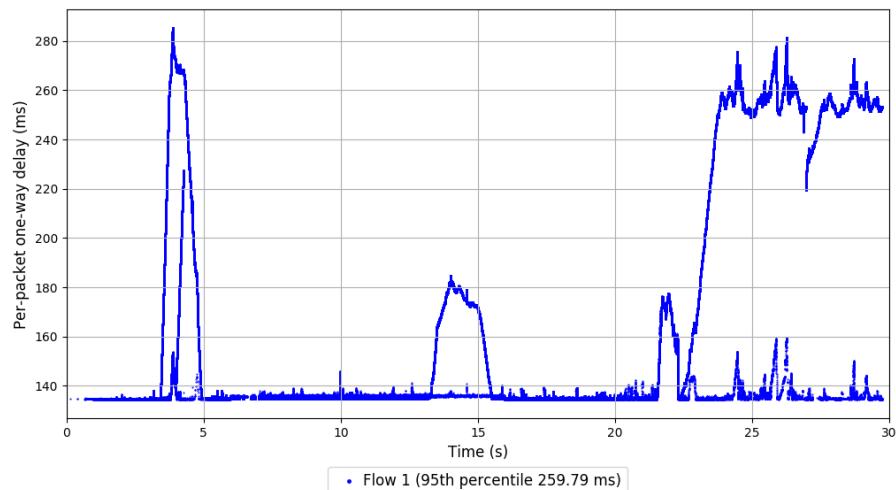
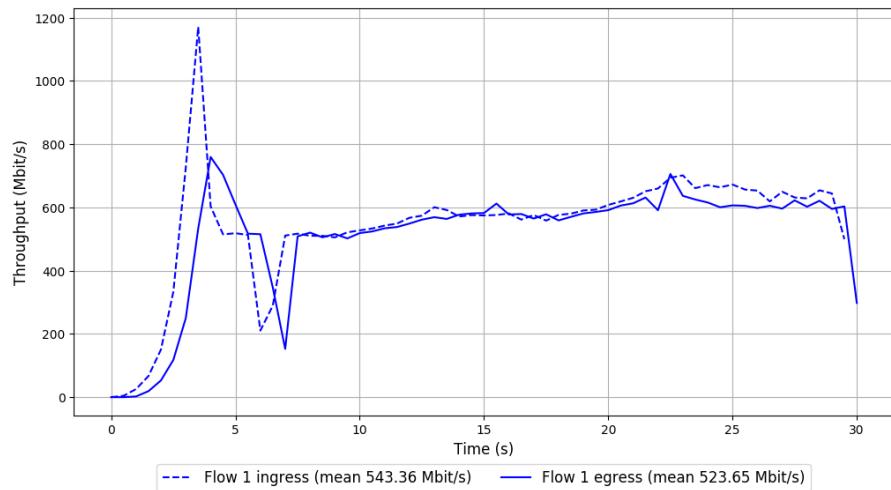


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-31 19:16:08
End at: 2018-05-31 19:16:38
Local clock offset: -0.477 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-05-31 21:41:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 523.65 Mbit/s
95th percentile per-packet one-way delay: 259.788 ms
Loss rate: 4.51%
-- Flow 1:
Average throughput: 523.65 Mbit/s
95th percentile per-packet one-way delay: 259.788 ms
Loss rate: 4.51%
```

Run 6: Report of PCC-Allegro — Data Link

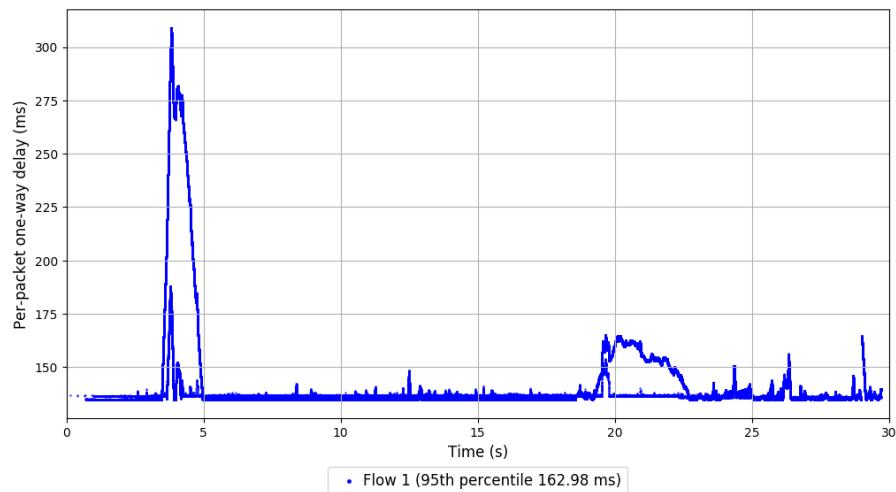
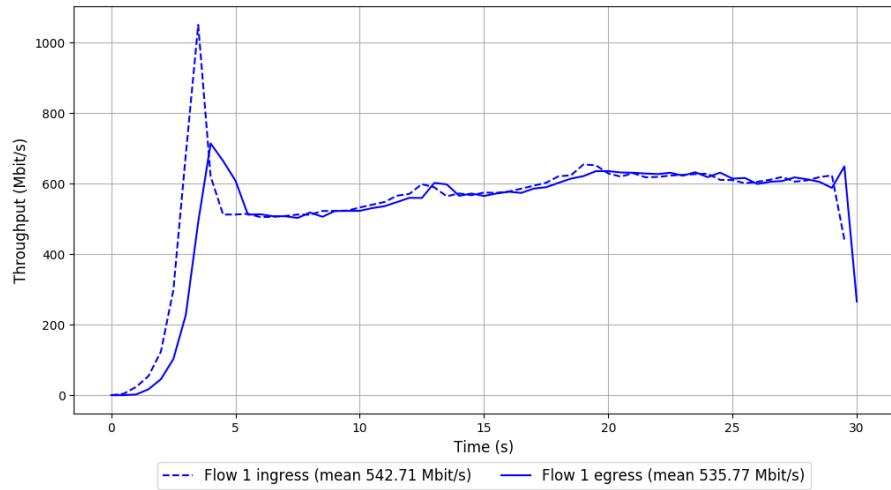


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-31 19:37:42
End at: 2018-05-31 19:38:12
Local clock offset: -0.295 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-05-31 21:48:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 535.77 Mbit/s
95th percentile per-packet one-way delay: 162.981 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 535.77 Mbit/s
95th percentile per-packet one-way delay: 162.981 ms
Loss rate: 2.18%
```

Run 7: Report of PCC-Allegro — Data Link

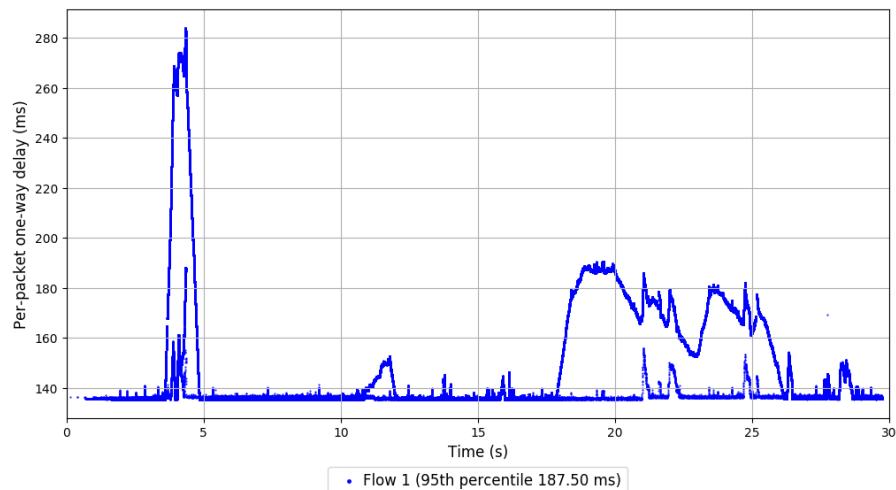
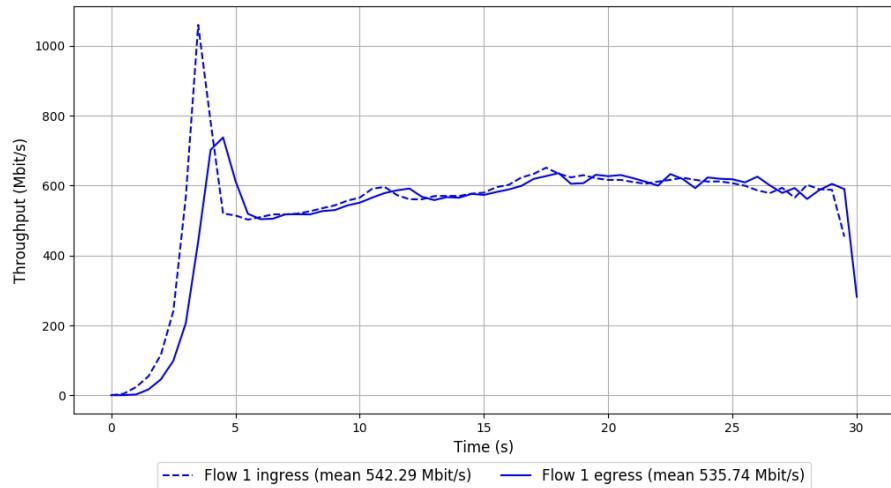


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-31 19:58:51
End at: 2018-05-31 19:59:21
Local clock offset: -0.579 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-05-31 21:49:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 535.74 Mbit/s
95th percentile per-packet one-way delay: 187.504 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 535.74 Mbit/s
95th percentile per-packet one-way delay: 187.504 ms
Loss rate: 2.14%
```

Run 8: Report of PCC-Allegro — Data Link

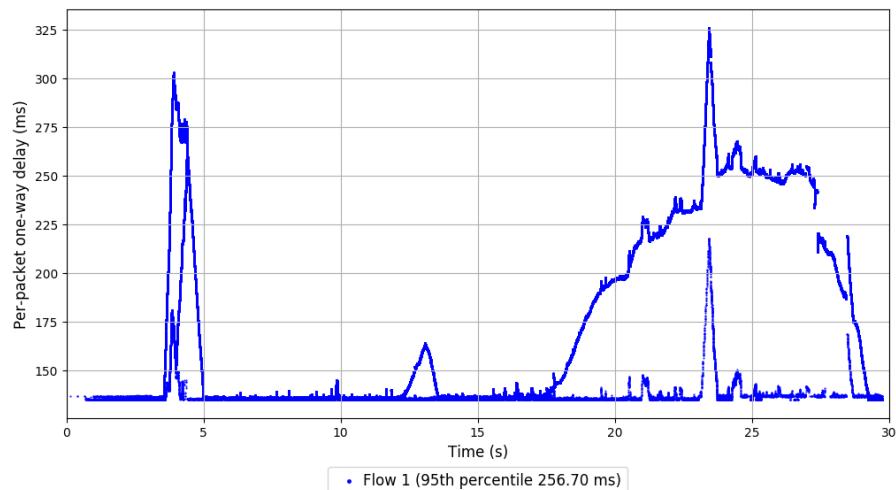
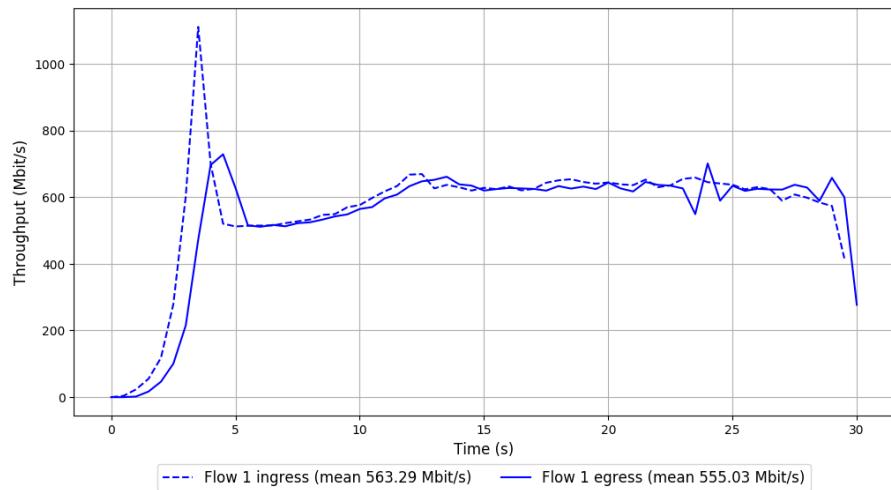


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-31 20:20:01
End at: 2018-05-31 20:20:31
Local clock offset: -0.365 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-05-31 21:50:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 555.03 Mbit/s
95th percentile per-packet one-way delay: 256.696 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 555.03 Mbit/s
95th percentile per-packet one-way delay: 256.696 ms
Loss rate: 2.37%
```

Run 9: Report of PCC-Allegro — Data Link

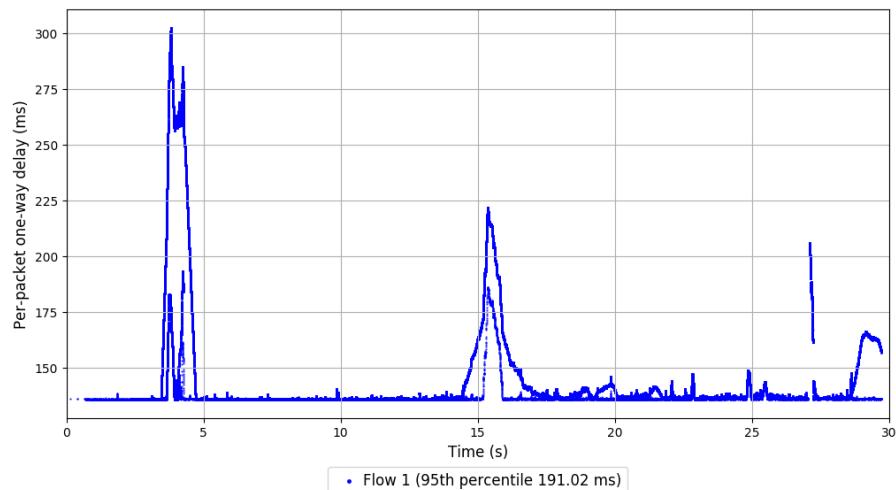
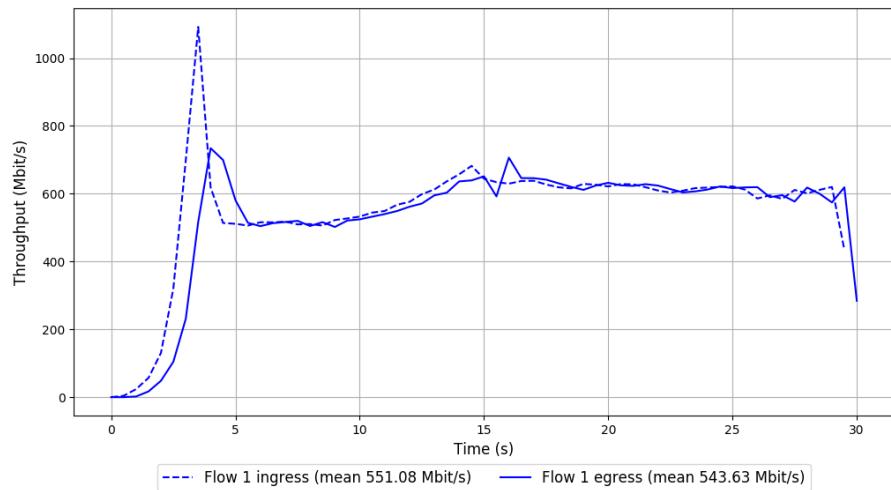


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-31 20:41:41
End at: 2018-05-31 20:42:11
Local clock offset: -0.526 ms
Remote clock offset: -0.427 ms

# Below is generated by plot.py at 2018-05-31 21:50:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 543.63 Mbit/s
95th percentile per-packet one-way delay: 191.023 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 543.63 Mbit/s
95th percentile per-packet one-way delay: 191.023 ms
Loss rate: 2.24%
```

Run 10: Report of PCC-Allegro — Data Link

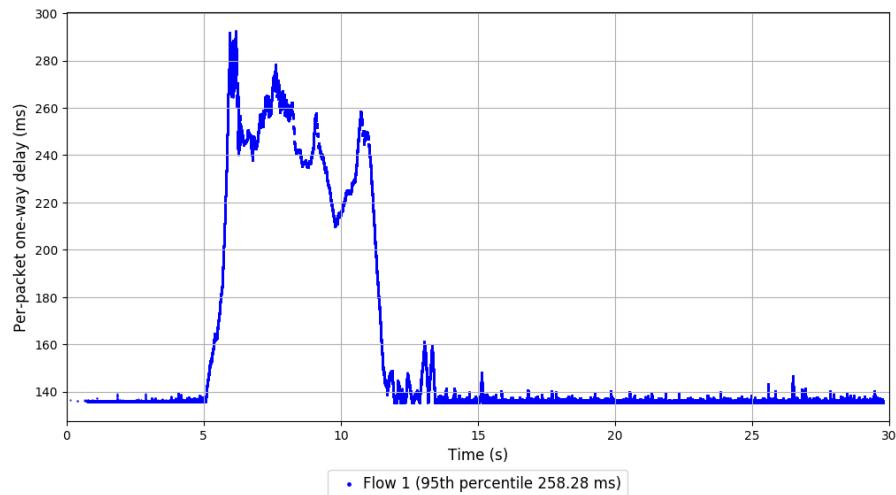
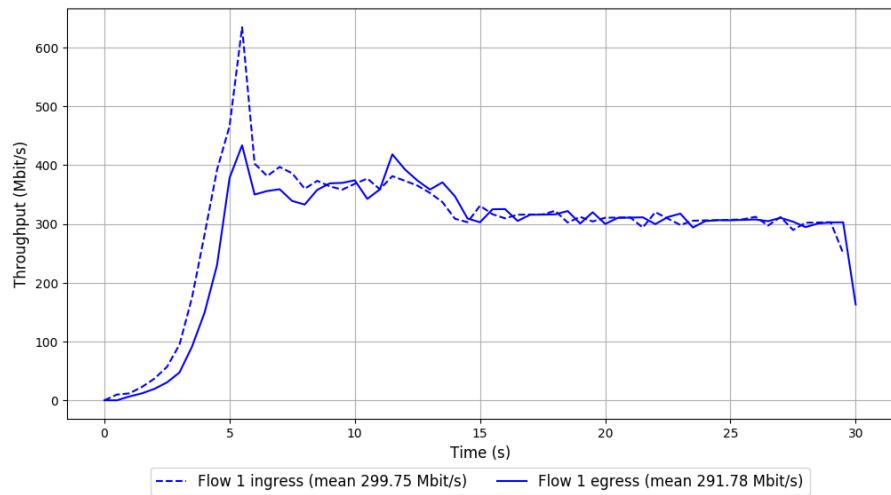


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-31 17:32:23
End at: 2018-05-31 17:32:53
Local clock offset: -0.05 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-05-31 21:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 291.78 Mbit/s
95th percentile per-packet one-way delay: 258.280 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 291.78 Mbit/s
95th percentile per-packet one-way delay: 258.280 ms
Loss rate: 3.55%
```

Run 1: Report of PCC-Expr — Data Link

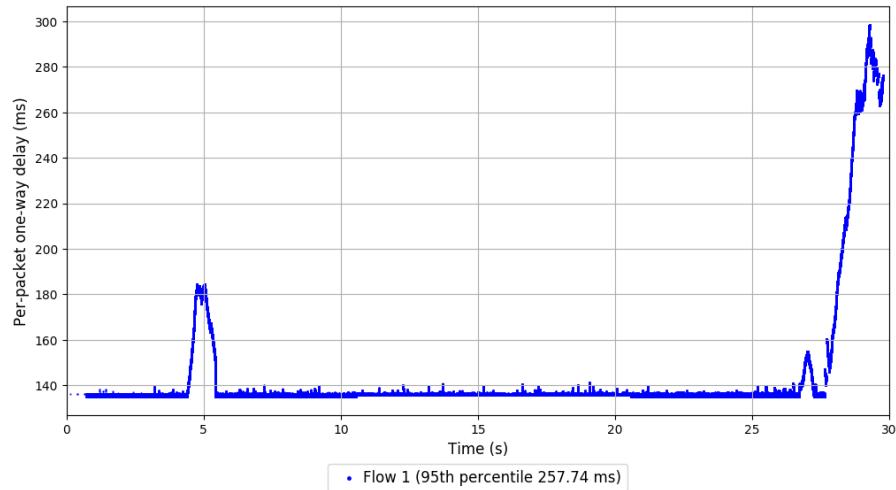
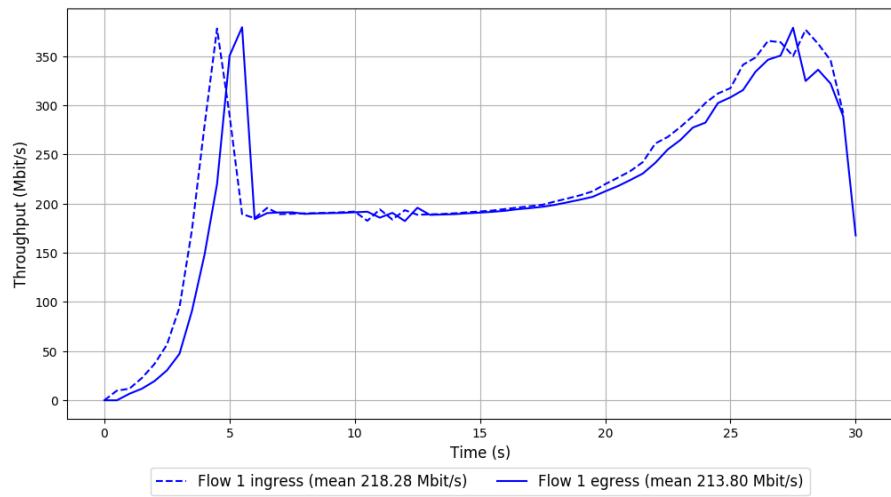


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-31 17:54:04
End at: 2018-05-31 17:54:34
Local clock offset: 0.137 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-05-31 21:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.80 Mbit/s
95th percentile per-packet one-way delay: 257.739 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 213.80 Mbit/s
95th percentile per-packet one-way delay: 257.739 ms
Loss rate: 2.95%
```

Run 2: Report of PCC-Expr — Data Link

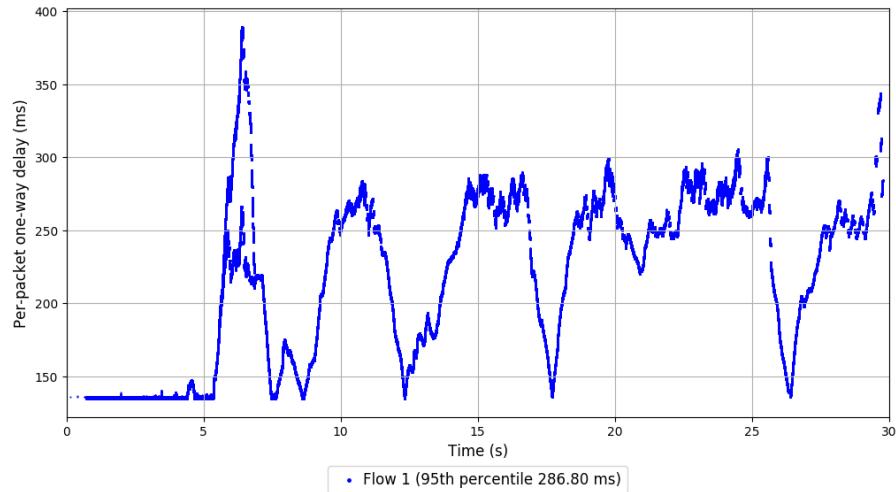
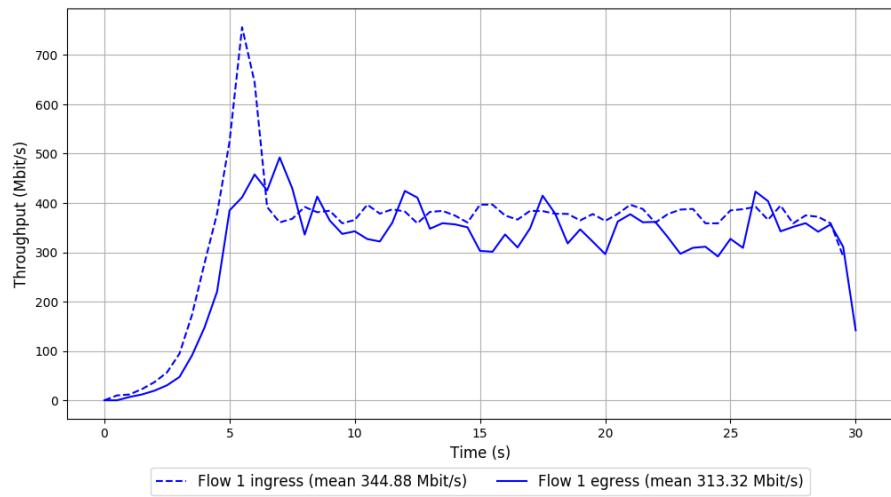


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-31 18:15:19
End at: 2018-05-31 18:15:49
Local clock offset: -0.174 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-05-31 21:51:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 313.32 Mbit/s
95th percentile per-packet one-way delay: 286.795 ms
Loss rate: 9.98%
-- Flow 1:
Average throughput: 313.32 Mbit/s
95th percentile per-packet one-way delay: 286.795 ms
Loss rate: 9.98%
```

Run 3: Report of PCC-Expr — Data Link

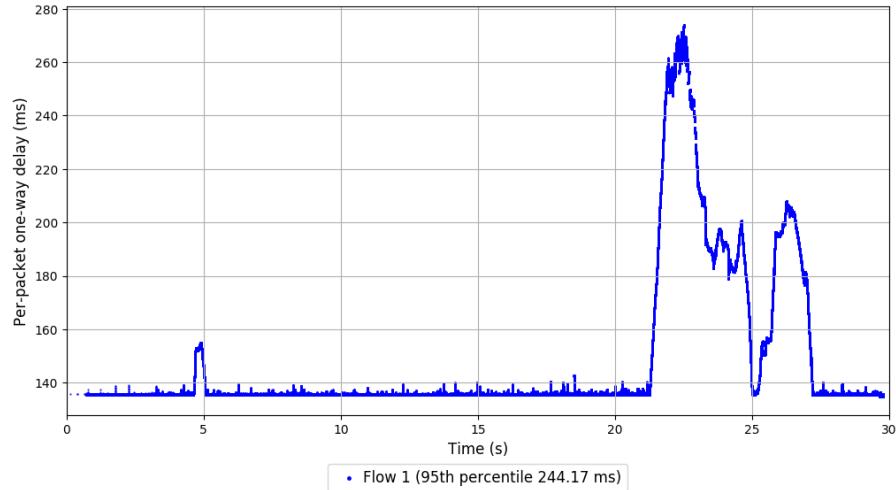
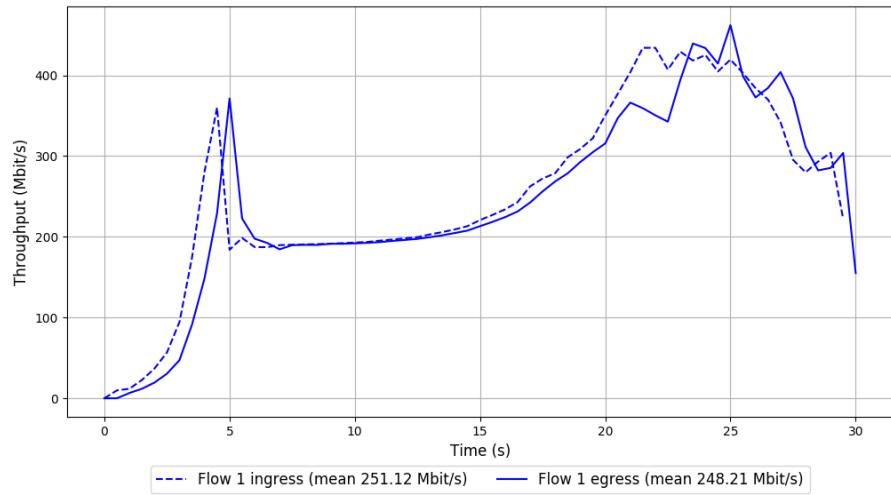


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-31 18:37:04
End at: 2018-05-31 18:37:34
Local clock offset: -0.234 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-05-31 21:51:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.21 Mbit/s
95th percentile per-packet one-way delay: 244.168 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 248.21 Mbit/s
95th percentile per-packet one-way delay: 244.168 ms
Loss rate: 2.06%
```

Run 4: Report of PCC-Expr — Data Link

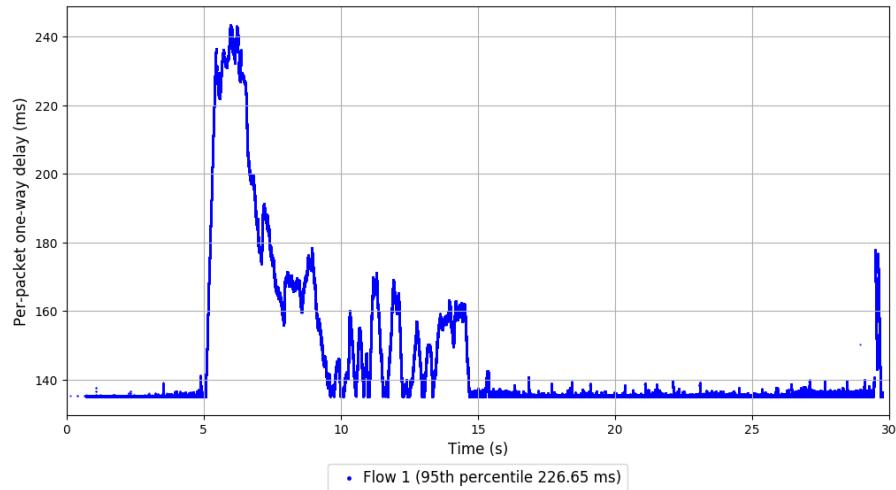
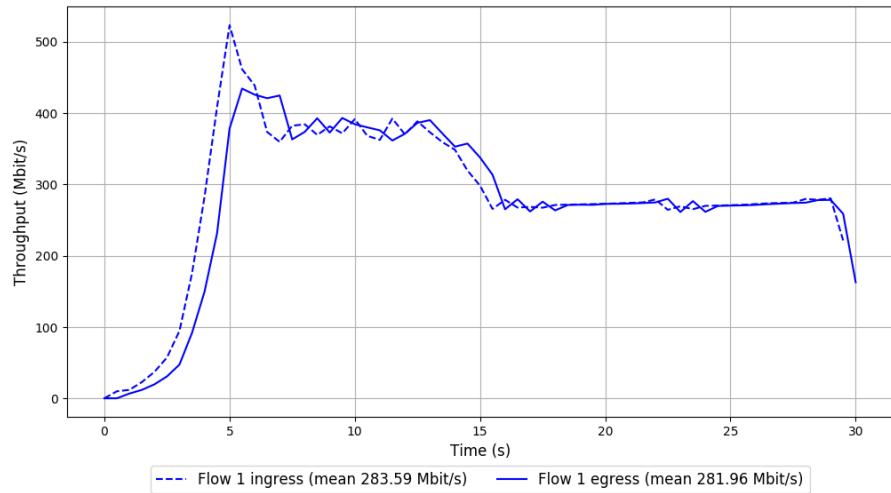


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-31 18:58:18
End at: 2018-05-31 18:58:48
Local clock offset: -0.207 ms
Remote clock offset: -0.377 ms

# Below is generated by plot.py at 2018-05-31 21:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 281.96 Mbit/s
95th percentile per-packet one-way delay: 226.653 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 281.96 Mbit/s
95th percentile per-packet one-way delay: 226.653 ms
Loss rate: 1.48%
```

Run 5: Report of PCC-Expr — Data Link

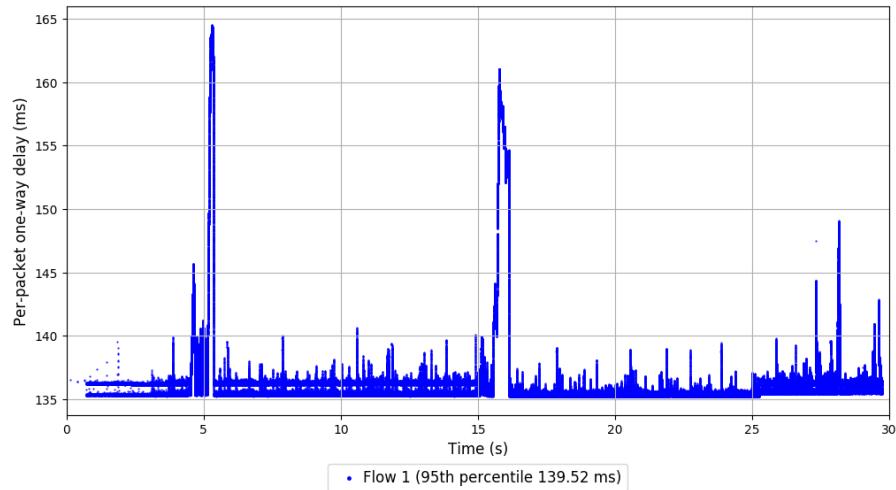
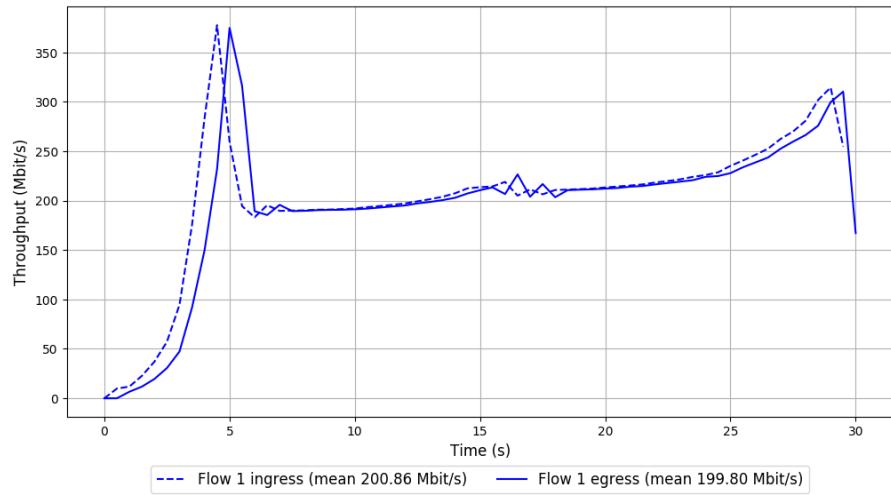


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-31 19:19:59
End at: 2018-05-31 19:20:29
Local clock offset: -0.102 ms
Remote clock offset: -0.388 ms

# Below is generated by plot.py at 2018-05-31 21:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.80 Mbit/s
95th percentile per-packet one-way delay: 139.518 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 199.80 Mbit/s
95th percentile per-packet one-way delay: 139.518 ms
Loss rate: 1.45%
```

Run 6: Report of PCC-Expr — Data Link

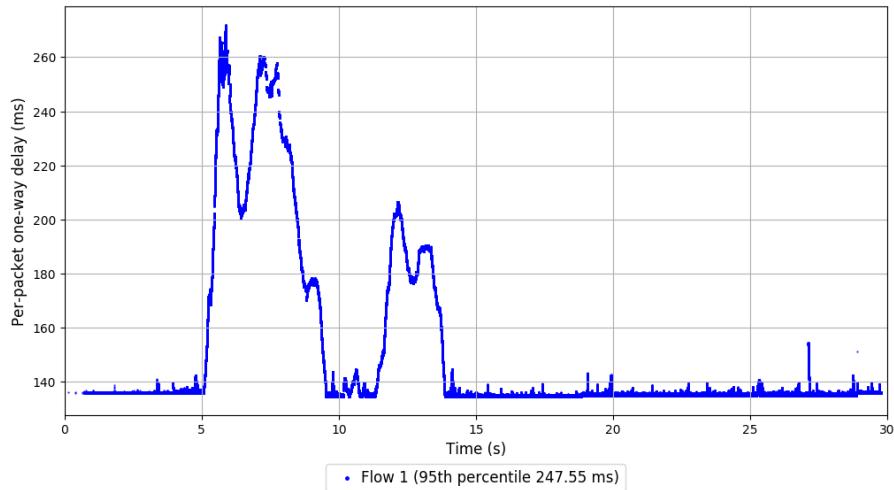
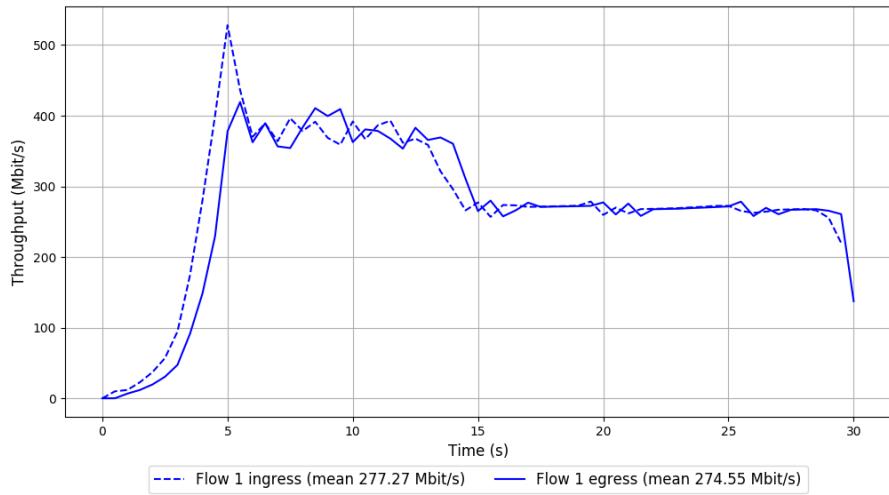


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-31 19:41:35
End at: 2018-05-31 19:42:05
Local clock offset: -0.119 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-05-31 21:58:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.55 Mbit/s
95th percentile per-packet one-way delay: 247.551 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 274.55 Mbit/s
95th percentile per-packet one-way delay: 247.551 ms
Loss rate: 1.88%
```

Run 7: Report of PCC-Expr — Data Link

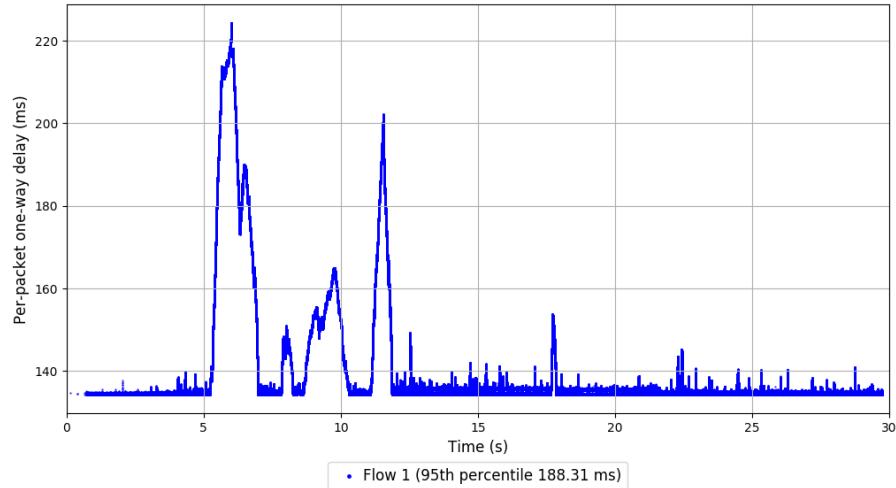
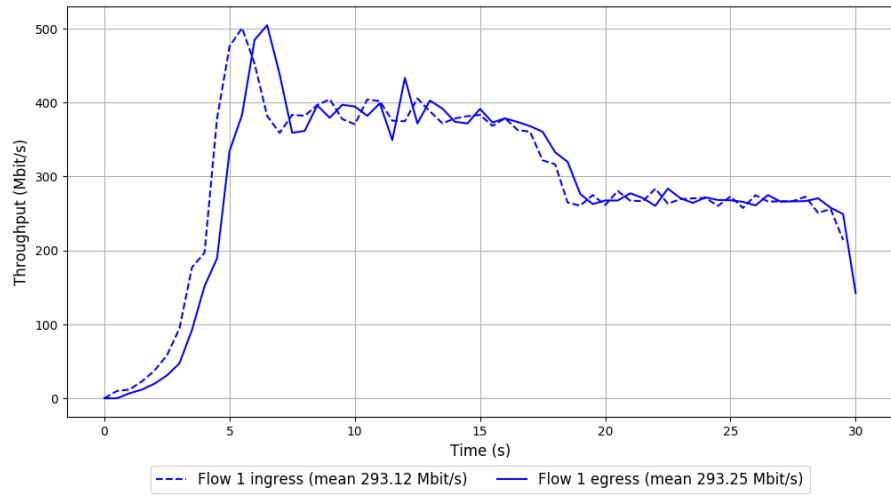


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-31 20:02:43
End at: 2018-05-31 20:03:13
Local clock offset: -0.522 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2018-05-31 21:59:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 293.25 Mbit/s
95th percentile per-packet one-way delay: 188.307 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 293.25 Mbit/s
95th percentile per-packet one-way delay: 188.307 ms
Loss rate: 0.86%
```

Run 8: Report of PCC-Expr — Data Link

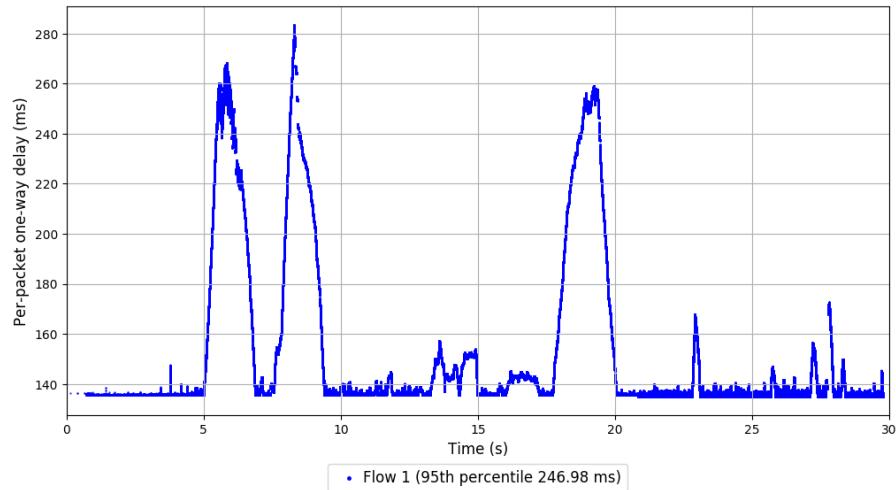
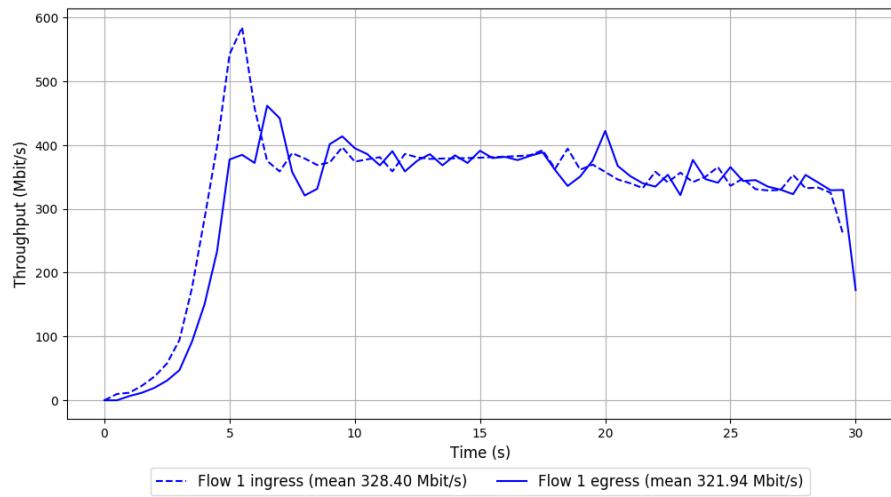


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-31 20:23:53
End at: 2018-05-31 20:24:23
Local clock offset: -0.379 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-05-31 22:00:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.94 Mbit/s
95th percentile per-packet one-way delay: 246.978 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 321.94 Mbit/s
95th percentile per-packet one-way delay: 246.978 ms
Loss rate: 2.86%
```

Run 9: Report of PCC-Expr — Data Link

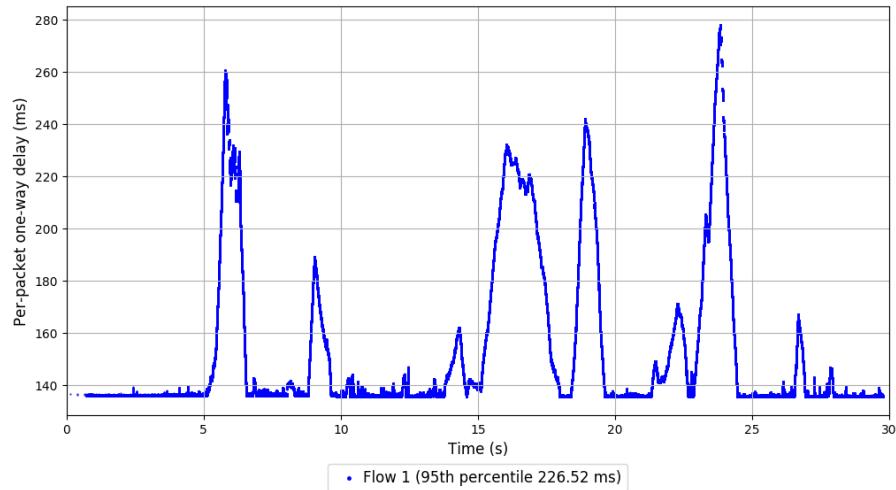
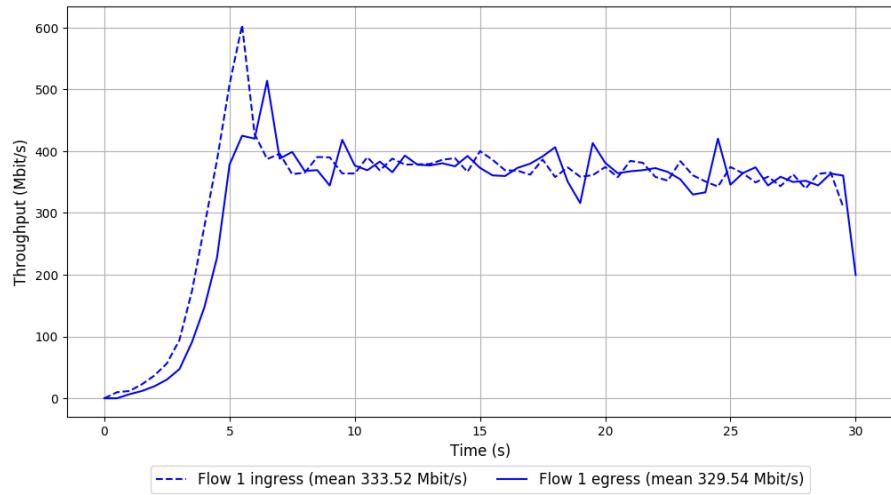


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-31 20:45:34
End at: 2018-05-31 20:46:04
Local clock offset: -0.451 ms
Remote clock offset: -0.0 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 329.54 Mbit/s
95th percentile per-packet one-way delay: 226.523 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 329.54 Mbit/s
95th percentile per-packet one-way delay: 226.523 ms
Loss rate: 2.09%
```

Run 10: Report of PCC-Expr — Data Link

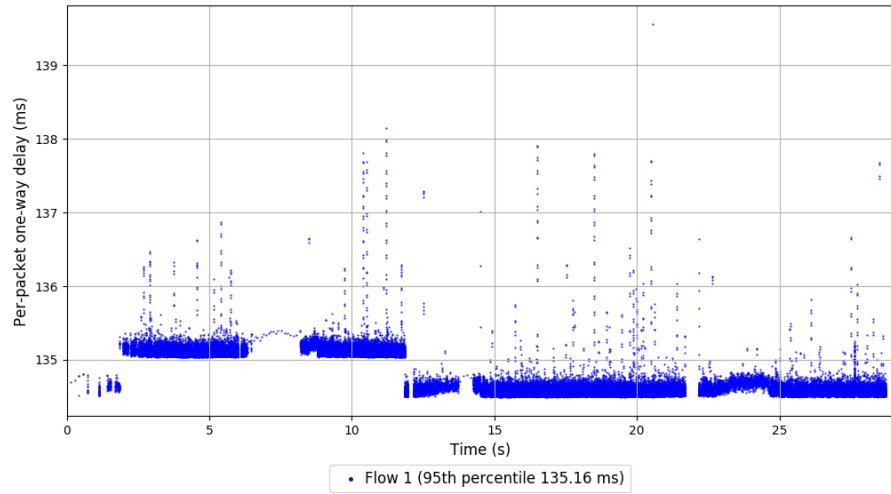
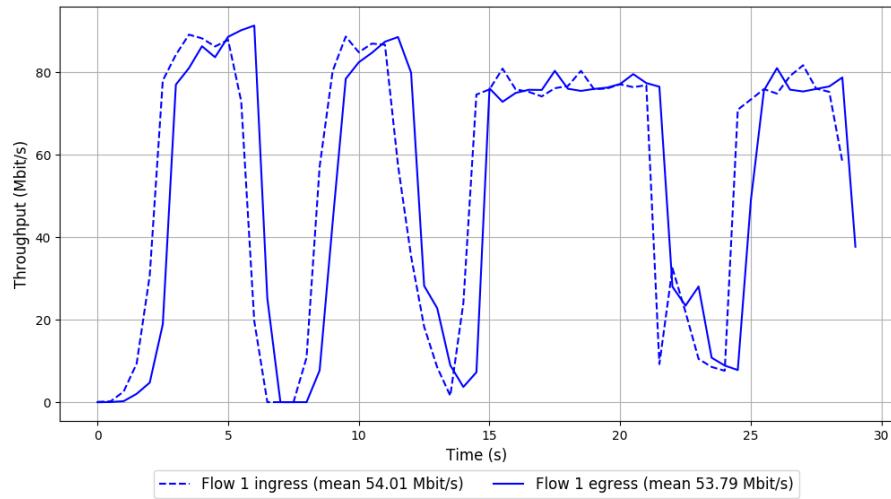


Run 1: Statistics of QUIC Cubic

```
Start at: 2018-05-31 17:26:01
End at: 2018-05-31 17:26:31
Local clock offset: -0.422 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 135.156 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 135.156 ms
Loss rate: 1.35%
```

Run 1: Report of QUIC Cubic — Data Link

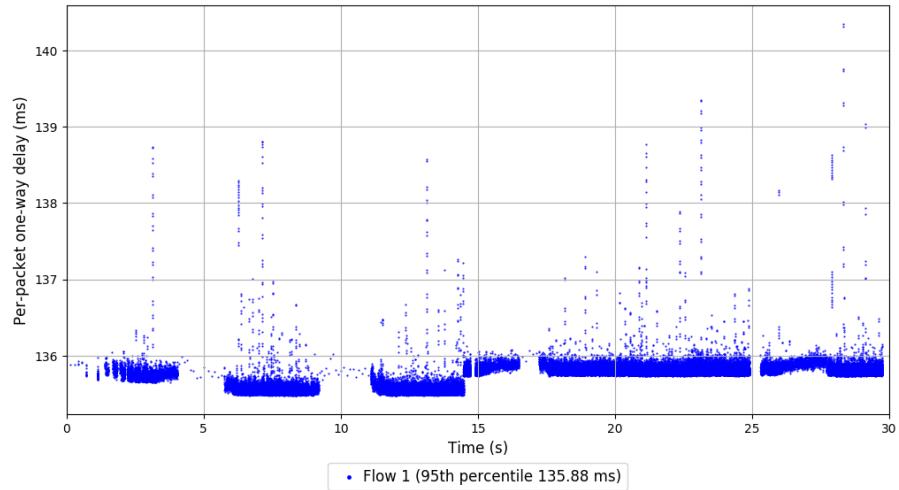
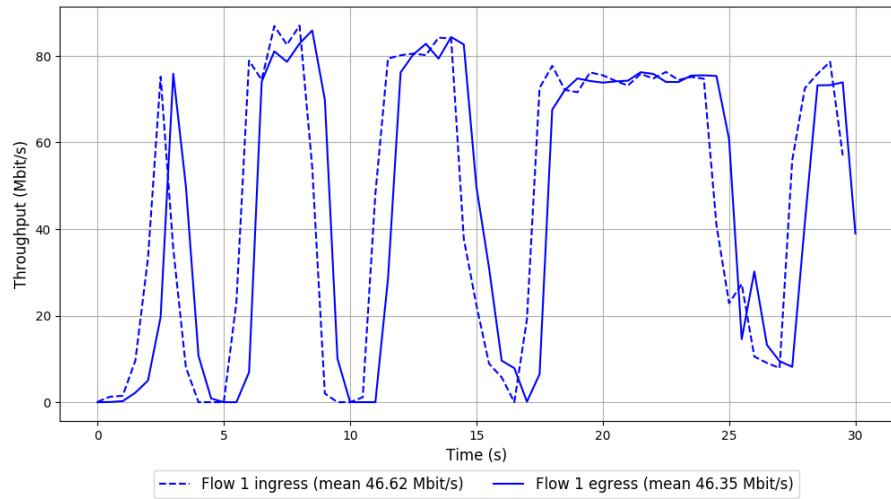


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-31 17:47:40
End at: 2018-05-31 17:48:10
Local clock offset: -0.204 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.35 Mbit/s
95th percentile per-packet one-way delay: 135.879 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 46.35 Mbit/s
95th percentile per-packet one-way delay: 135.879 ms
Loss rate: 1.48%
```

Run 2: Report of QUIC Cubic — Data Link

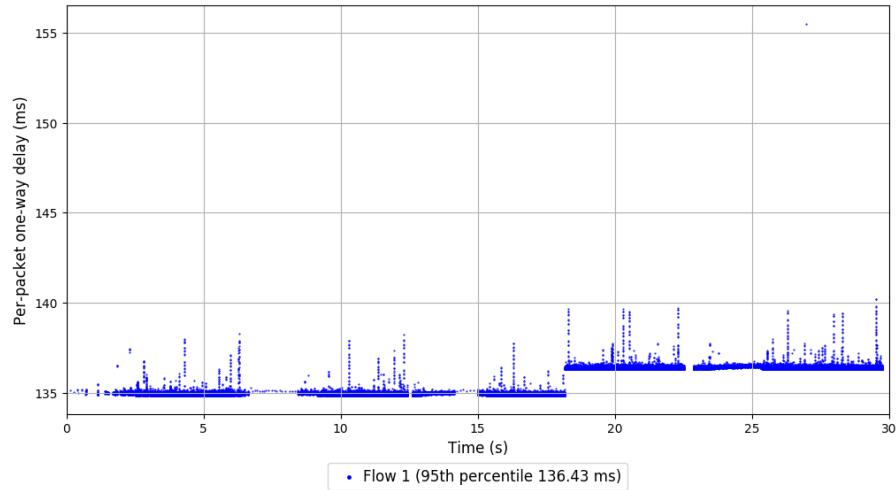
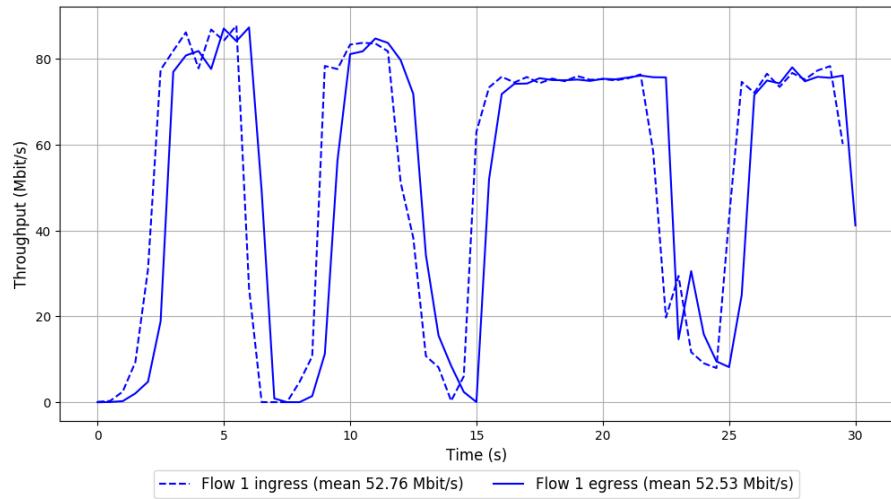


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-31 18:08:54
End at: 2018-05-31 18:09:24
Local clock offset: -0.064 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.53 Mbit/s
95th percentile per-packet one-way delay: 136.429 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 52.53 Mbit/s
95th percentile per-packet one-way delay: 136.429 ms
Loss rate: 1.33%
```

Run 3: Report of QUIC Cubic — Data Link

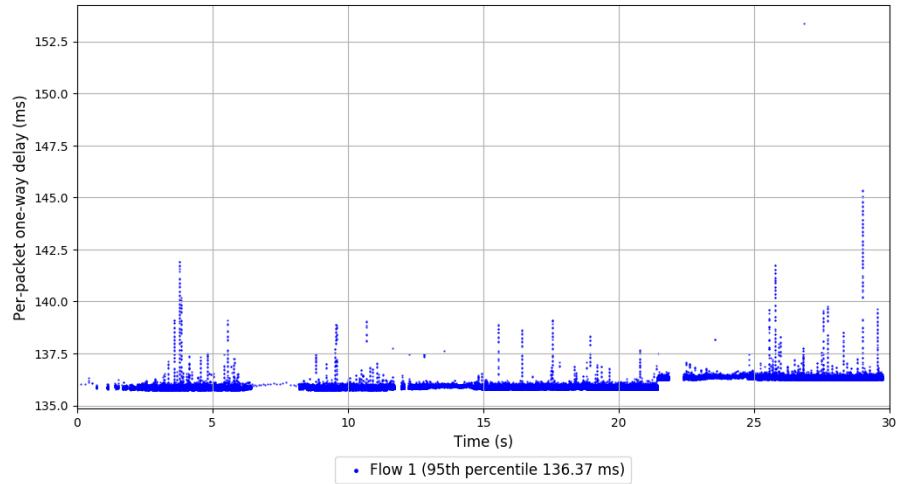
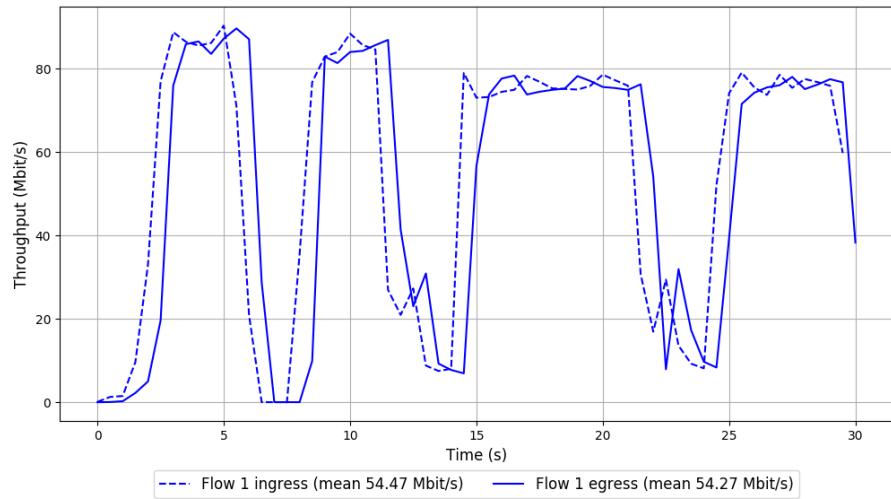


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-31 18:30:41
End at: 2018-05-31 18:31:11
Local clock offset: 0.018 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 136.367 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 136.367 ms
Loss rate: 1.29%
```

Run 4: Report of QUIC Cubic — Data Link

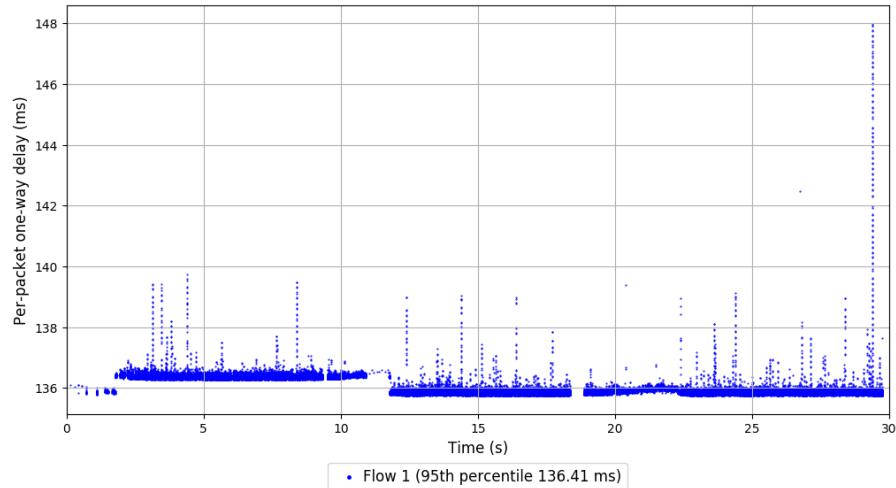
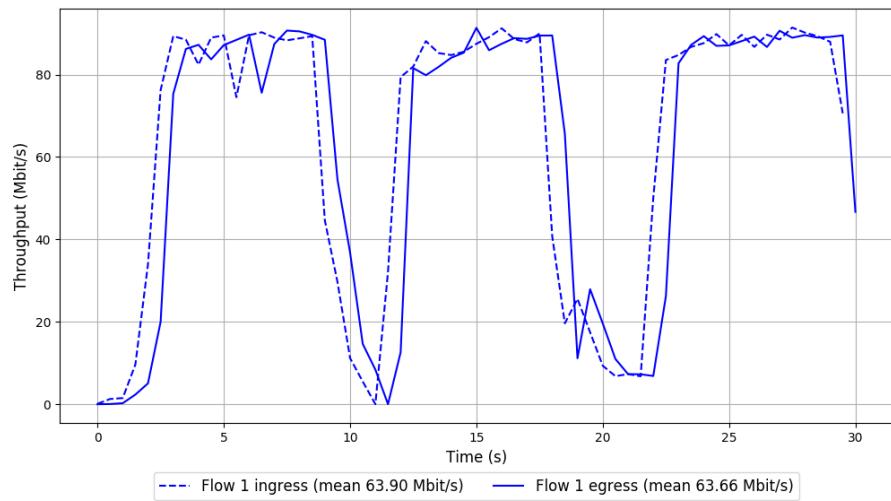


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-31 18:51:52
End at: 2018-05-31 18:52:22
Local clock offset: -0.438 ms
Remote clock offset: -0.382 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.66 Mbit/s
95th percentile per-packet one-way delay: 136.407 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 63.66 Mbit/s
95th percentile per-packet one-way delay: 136.407 ms
Loss rate: 1.27%
```

Run 5: Report of QUIC Cubic — Data Link

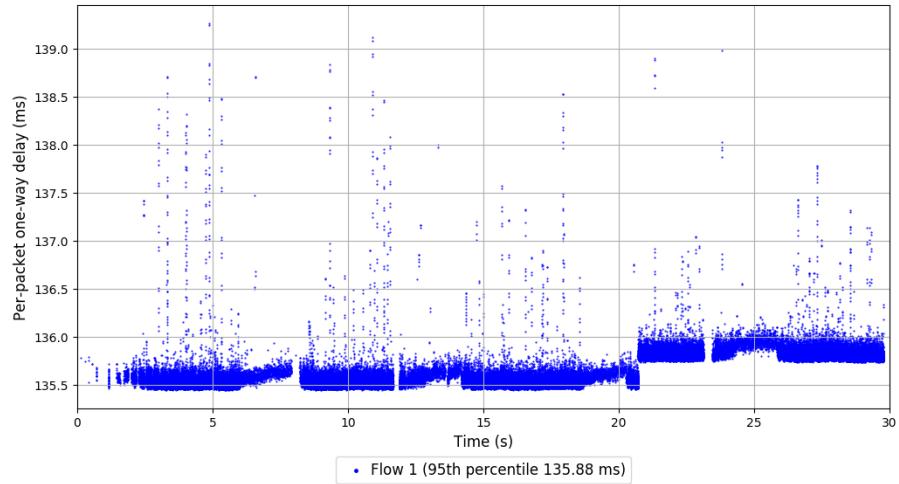
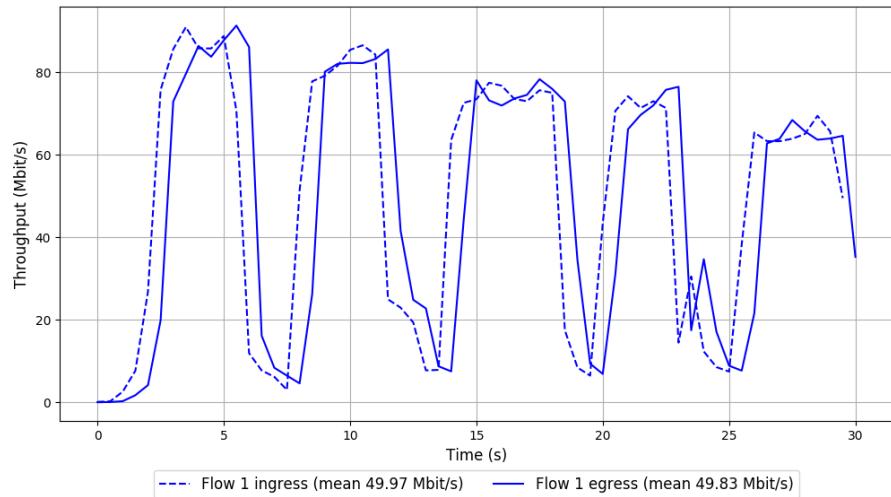


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-31 19:13:33
End at: 2018-05-31 19:14:03
Local clock offset: -0.516 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 135.880 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 135.880 ms
Loss rate: 1.20%
```

Run 6: Report of QUIC Cubic — Data Link

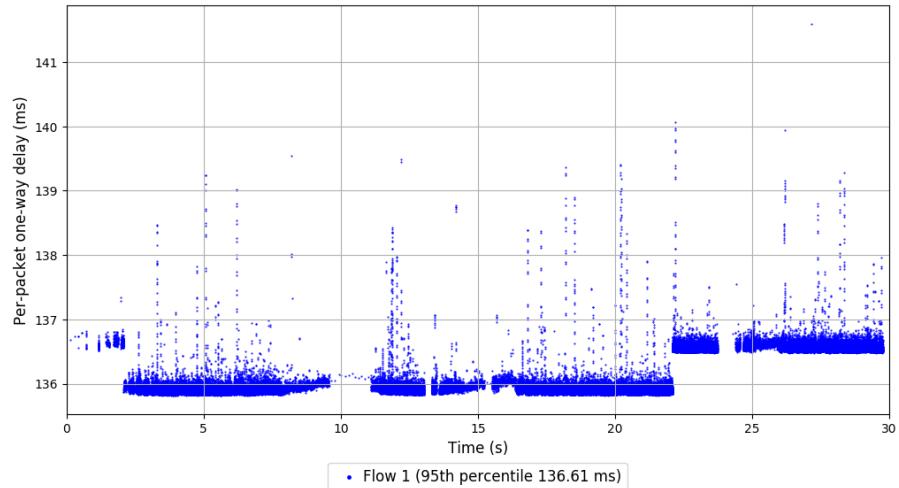
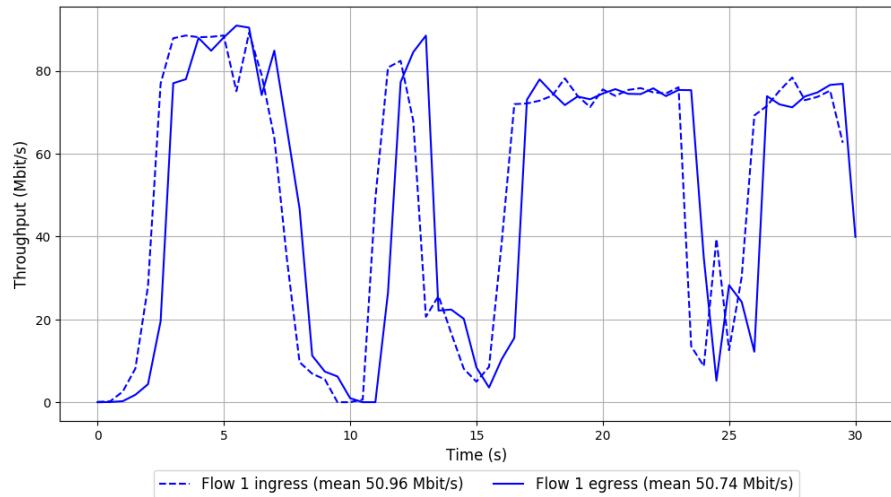


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-31 19:35:11
End at: 2018-05-31 19:35:41
Local clock offset: -0.144 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.74 Mbit/s
95th percentile per-packet one-way delay: 136.613 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 50.74 Mbit/s
95th percentile per-packet one-way delay: 136.613 ms
Loss rate: 1.35%
```

Run 7: Report of QUIC Cubic — Data Link

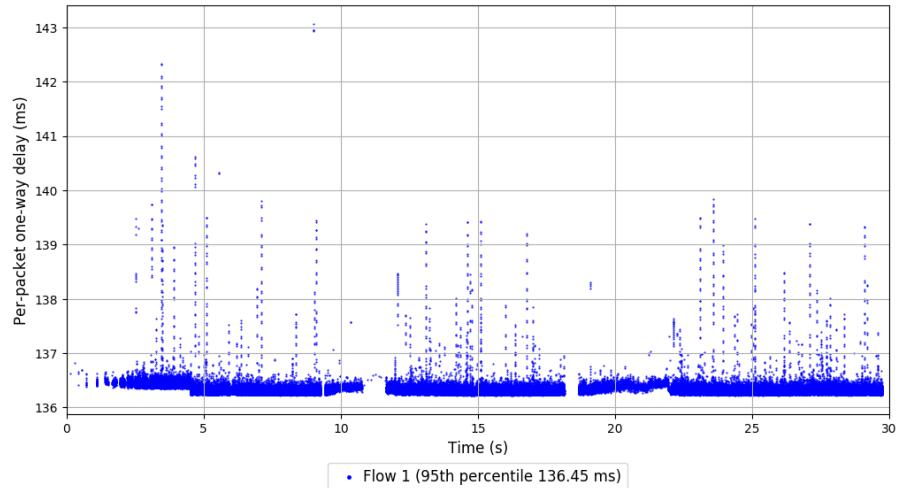
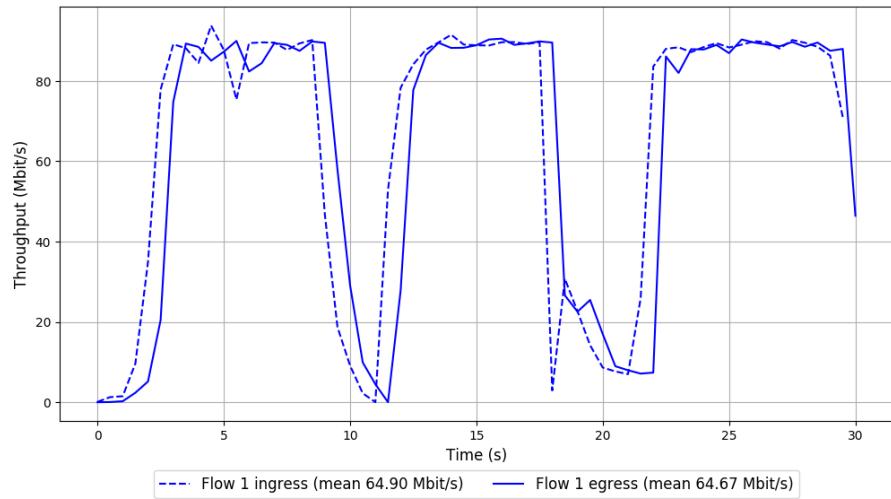


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-31 19:56:20
End at: 2018-05-31 19:56:50
Local clock offset: -0.127 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 136.449 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 136.449 ms
Loss rate: 1.26%
```

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

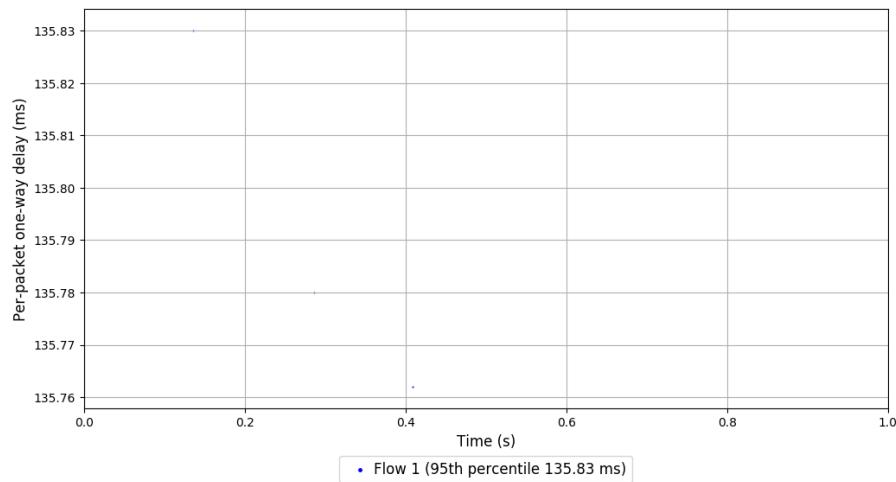
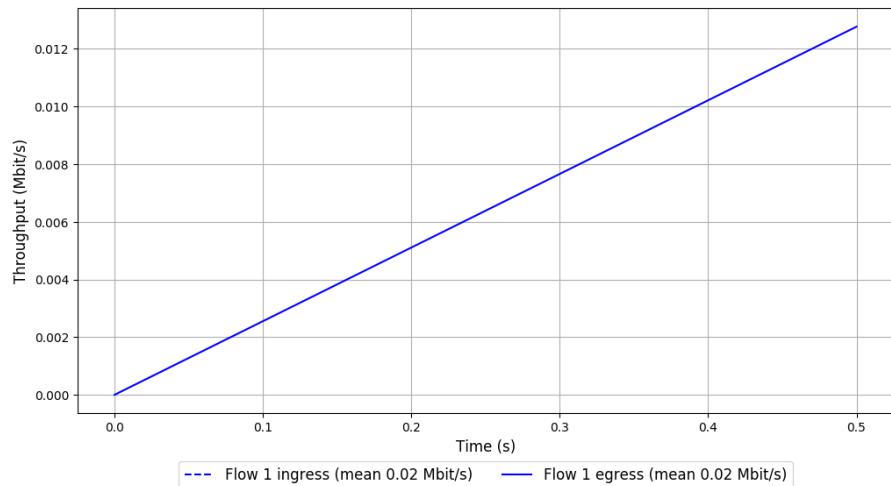
Start at: 2018-05-31 20:17:31

End at: 2018-05-31 20:18:01

Local clock offset: -0.409 ms

Remote clock offset: -0.055 ms

Run 9: Report of QUIC Cubic — Data Link

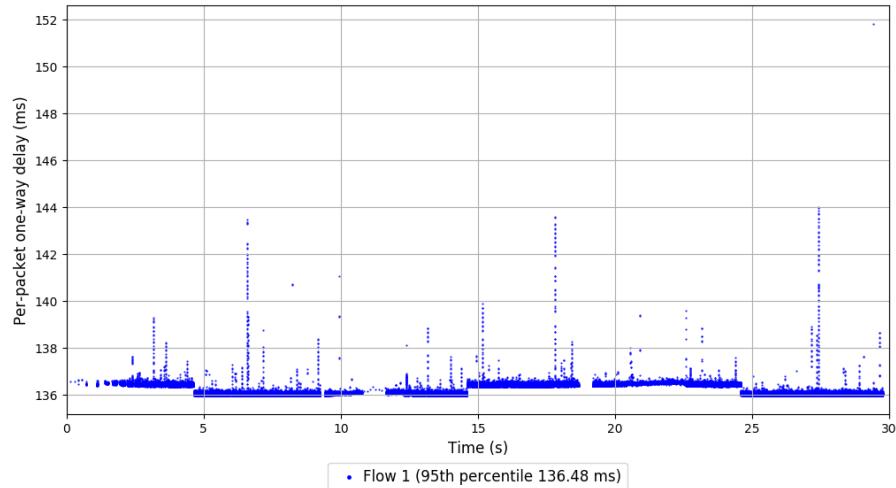
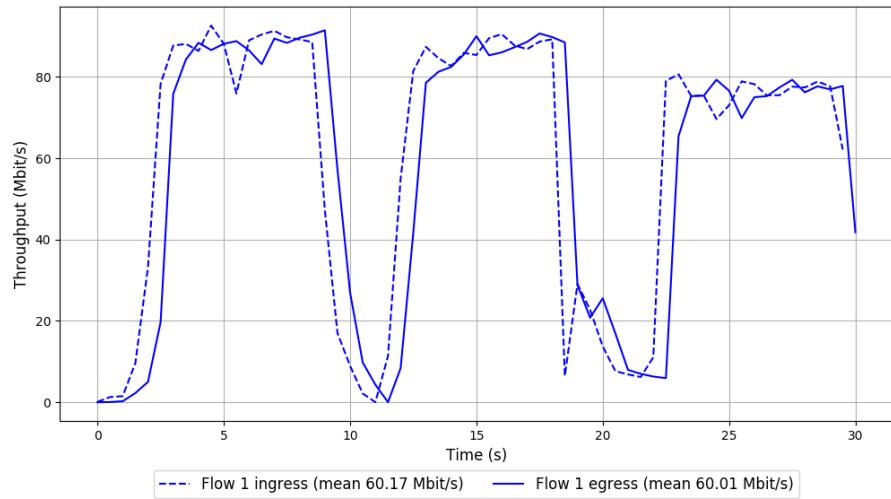


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-31 20:39:10
End at: 2018-05-31 20:39:40
Local clock offset: -0.117 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 1.18%
```

Run 10: Report of QUIC Cubic — Data Link

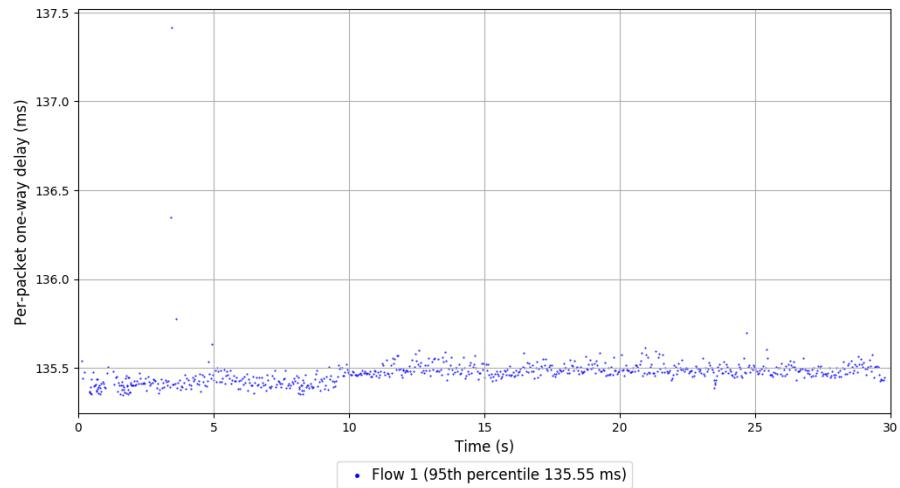
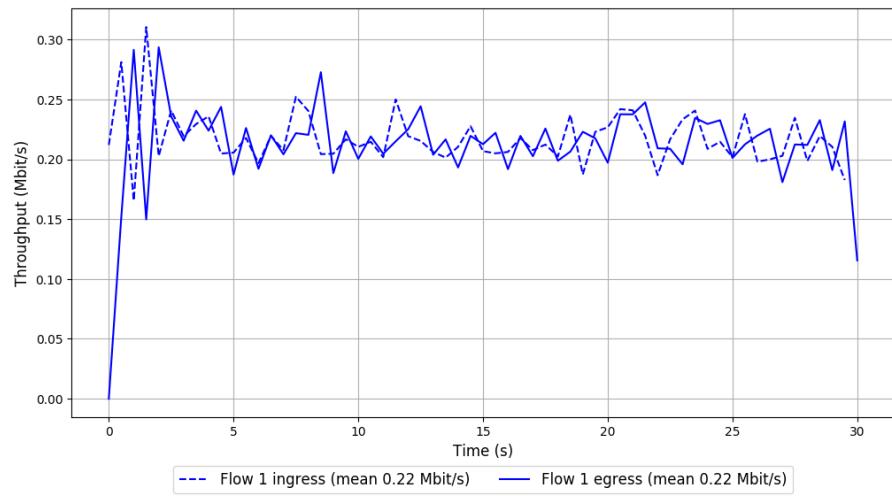


Run 1: Statistics of SCReAM

```
Start at: 2018-05-31 17:31:15
End at: 2018-05-31 17:31:45
Local clock offset: -0.602 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.552 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.552 ms
Loss rate: 0.89%
```

Run 1: Report of SCReAM — Data Link

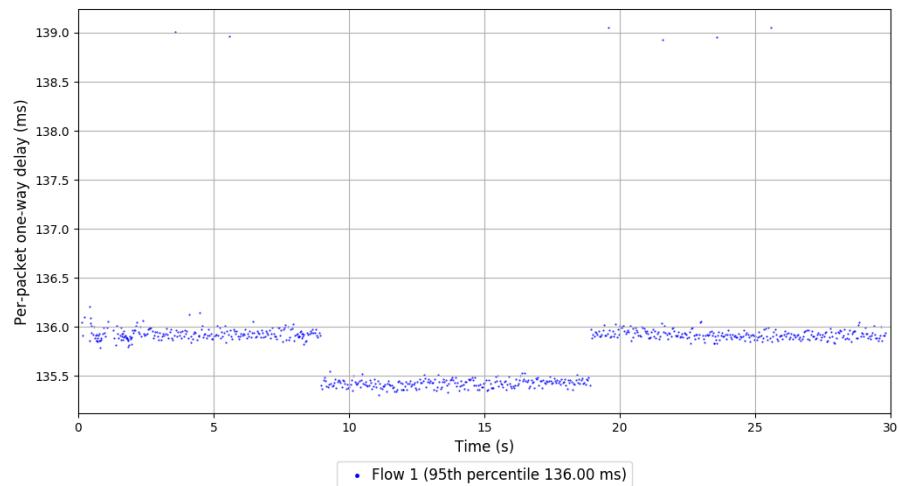
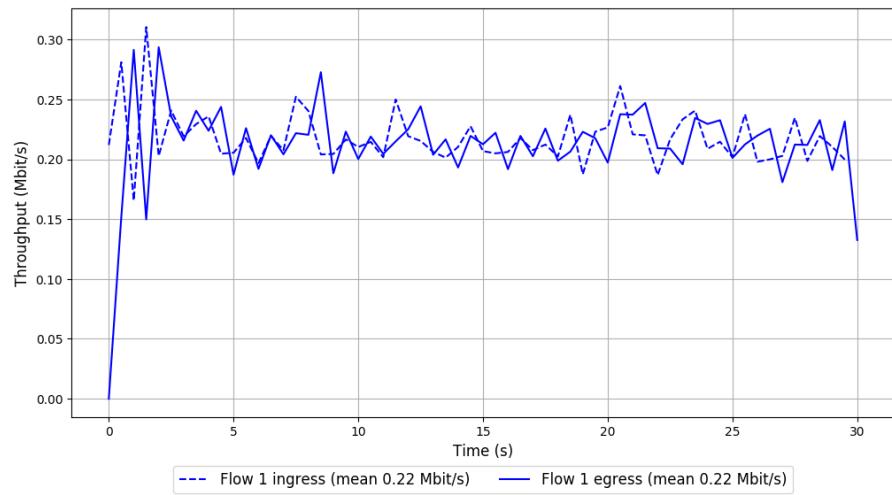


Run 2: Statistics of SCReAM

```
Start at: 2018-05-31 17:52:55
End at: 2018-05-31 17:53:25
Local clock offset: -0.223 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.003 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.003 ms
Loss rate: 0.89%
```

Run 2: Report of SCReAM — Data Link

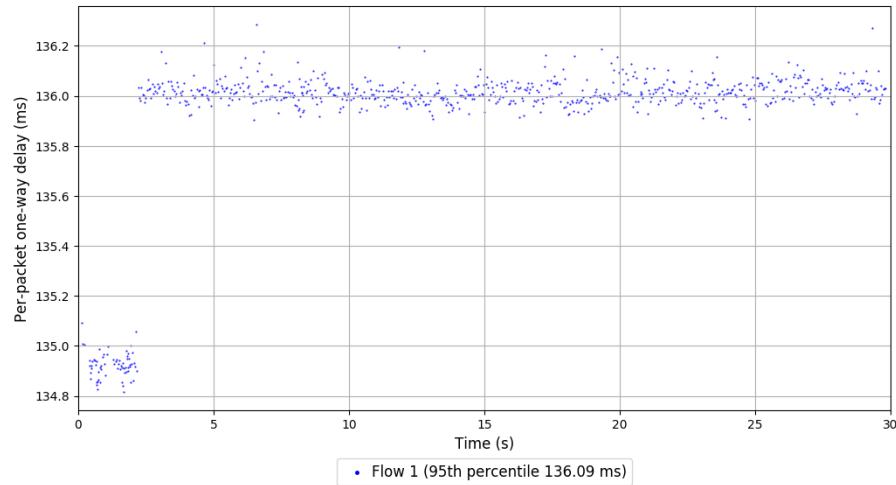
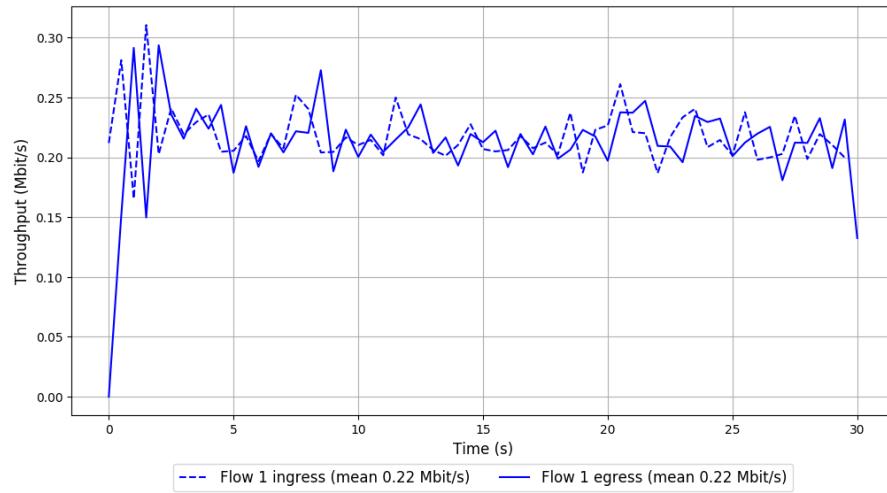


Run 3: Statistics of SCReAM

```
Start at: 2018-05-31 18:14:10
End at: 2018-05-31 18:14:40
Local clock offset: -0.171 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.093 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.093 ms
Loss rate: 0.89%
```

Run 3: Report of SCReAM — Data Link

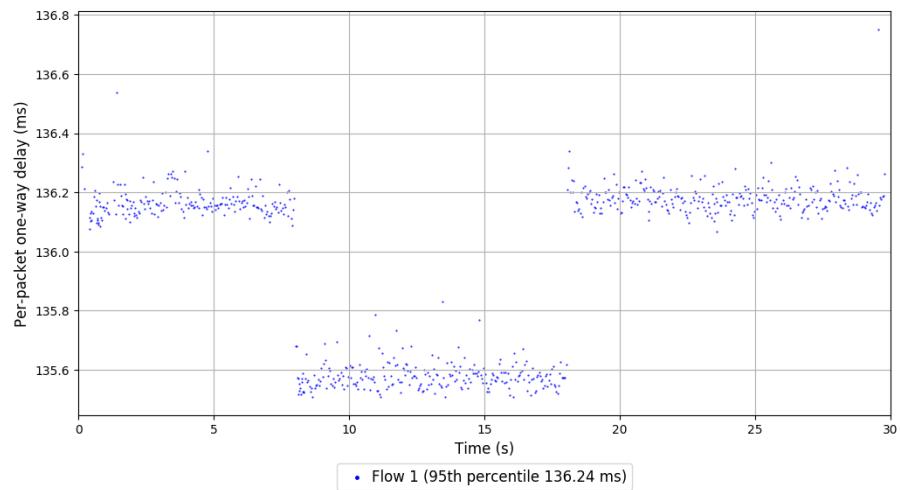
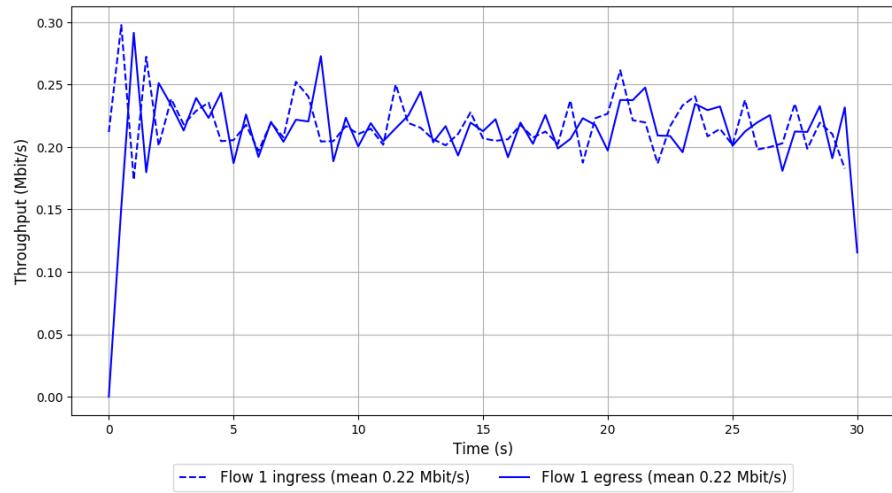


Run 4: Statistics of SCReAM

```
Start at: 2018-05-31 18:35:56
End at: 2018-05-31 18:36:26
Local clock offset: 0.004 ms
Remote clock offset: 0.359 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.90%
```

Run 4: Report of SCReAM — Data Link

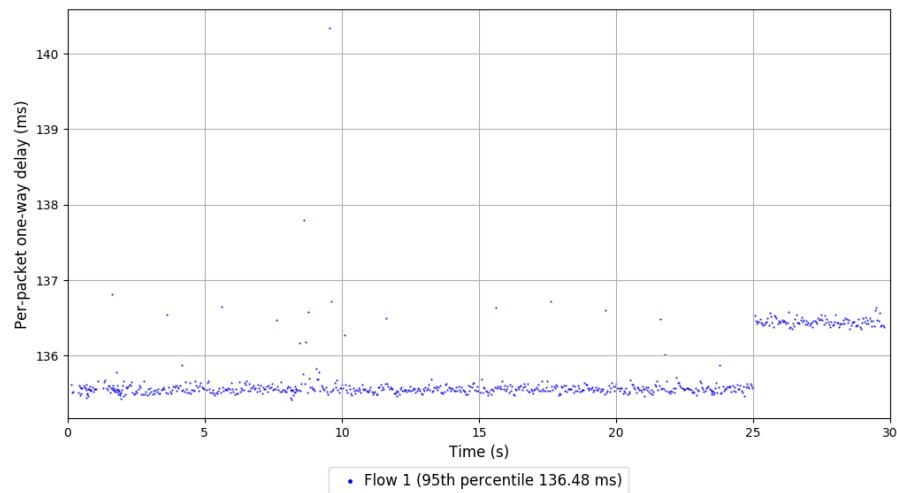
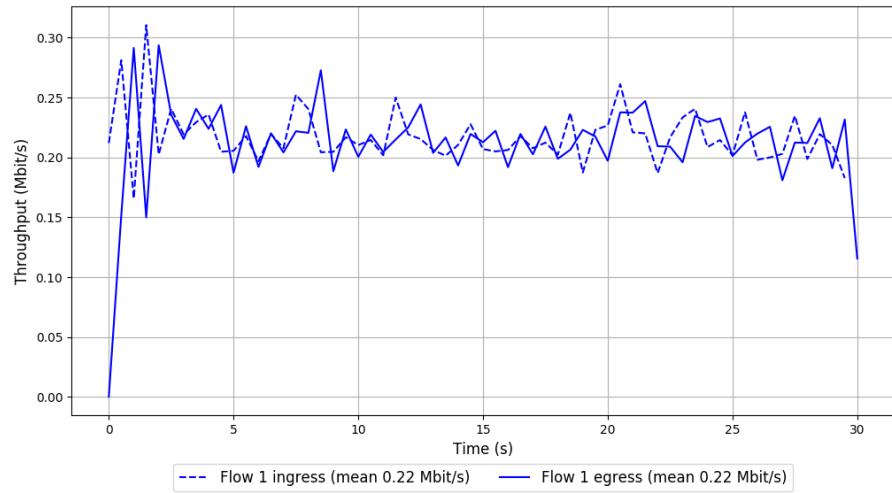


Run 5: Statistics of SCReAM

```
Start at: 2018-05-31 18:57:09
End at: 2018-05-31 18:57:39
Local clock offset: -0.133 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 0.89%
```

Run 5: Report of SCReAM — Data Link

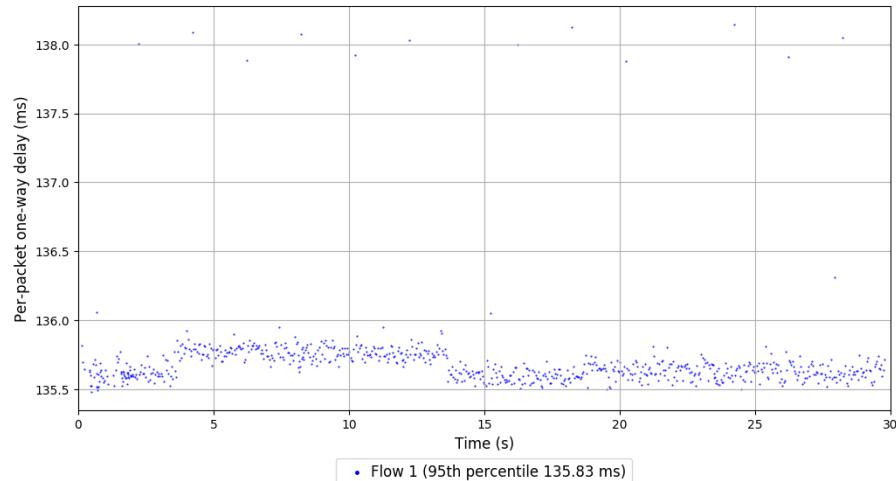
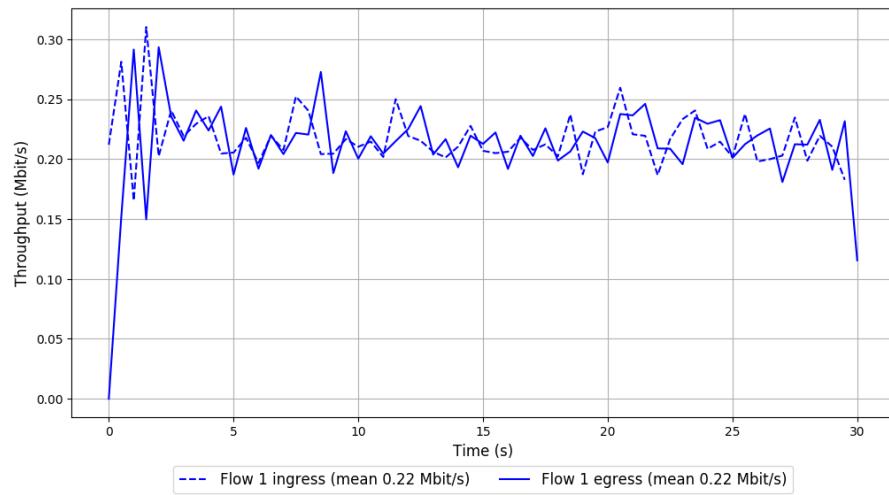


Run 6: Statistics of SCReAM

```
Start at: 2018-05-31 19:18:51
End at: 2018-05-31 19:19:21
Local clock offset: -0.477 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.834 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.834 ms
Loss rate: 0.89%
```

Run 6: Report of SCReAM — Data Link

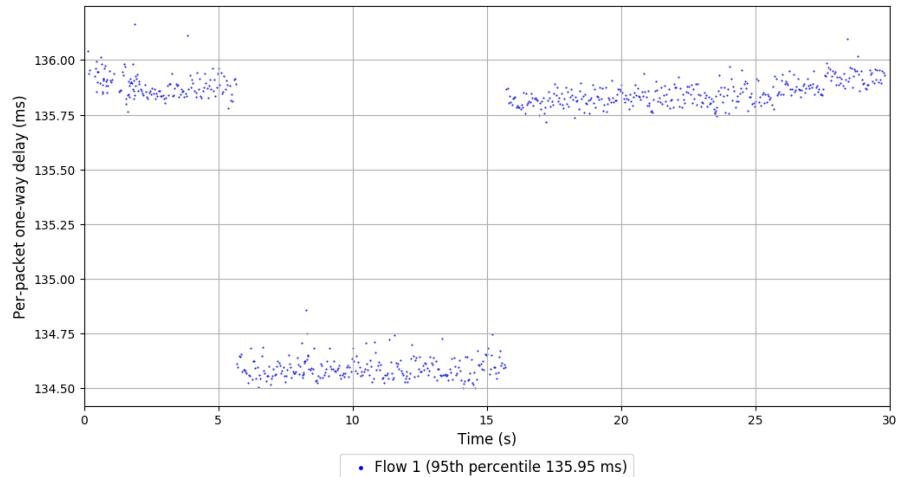
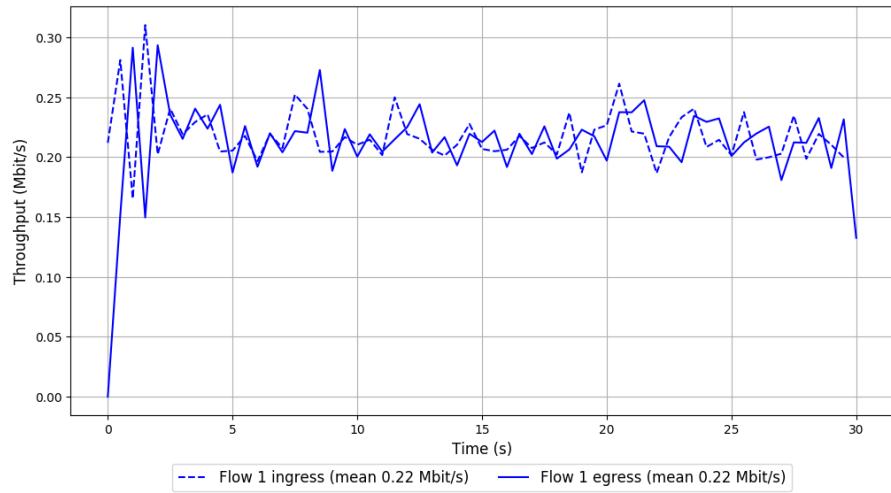


Run 7: Statistics of SCReAM

```
Start at: 2018-05-31 19:40:27
End at: 2018-05-31 19:40:57
Local clock offset: -0.332 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.948 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.948 ms
Loss rate: 0.89%
```

Run 7: Report of SCReAM — Data Link

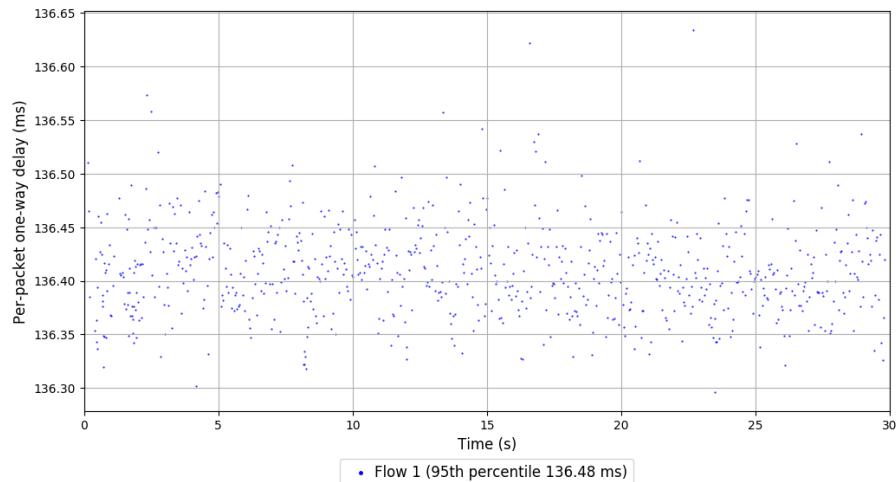
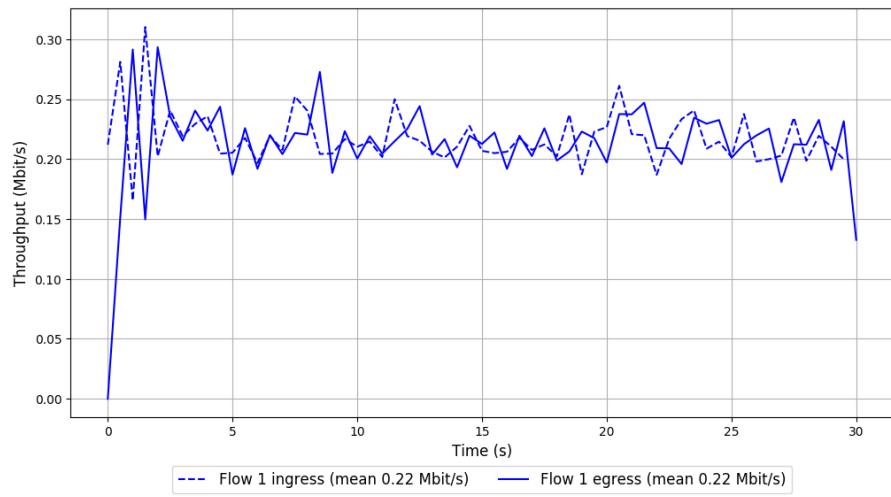


Run 8: Statistics of SCReAM

```
Start at: 2018-05-31 20:01:34
End at: 2018-05-31 20:02:04
Local clock offset: -0.312 ms
Remote clock offset: -0.422 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 0.89%
```

Run 8: Report of SCReAM — Data Link

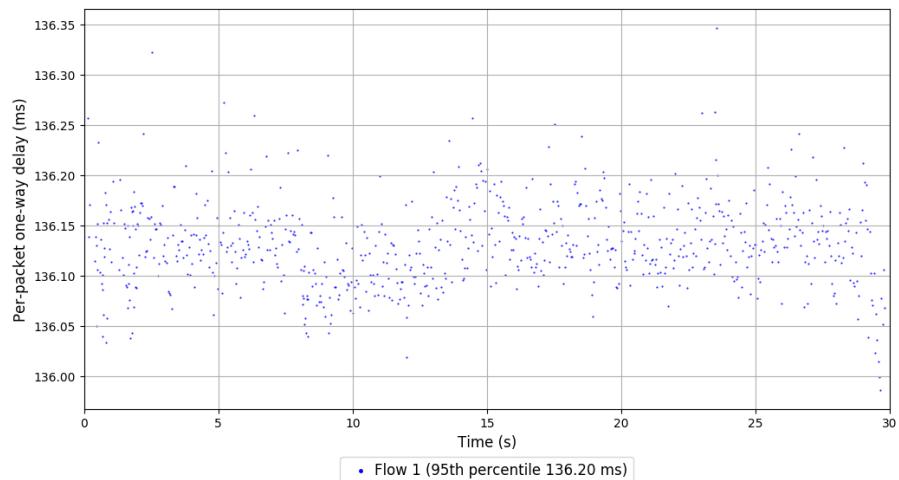
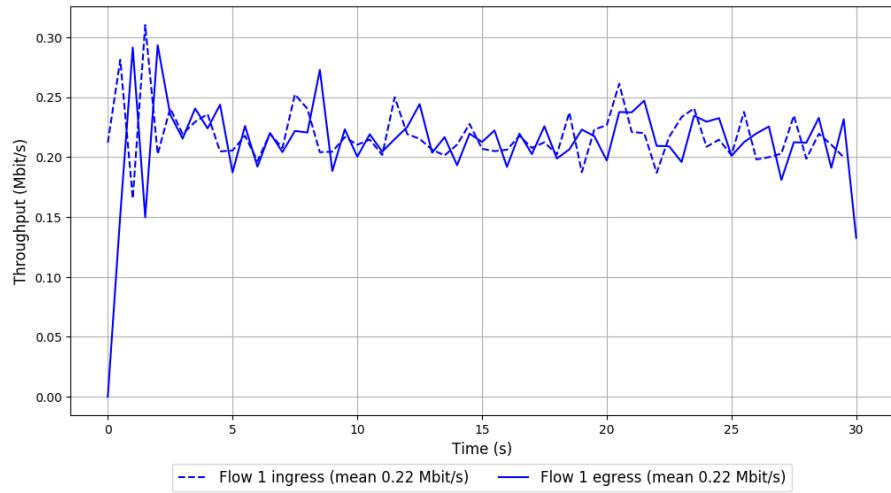


Run 9: Statistics of SCReAM

```
Start at: 2018-05-31 20:22:45
End at: 2018-05-31 20:23:15
Local clock offset: -0.559 ms
Remote clock offset: -0.412 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.202 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.202 ms
Loss rate: 0.89%
```

Run 9: Report of SCReAM — Data Link

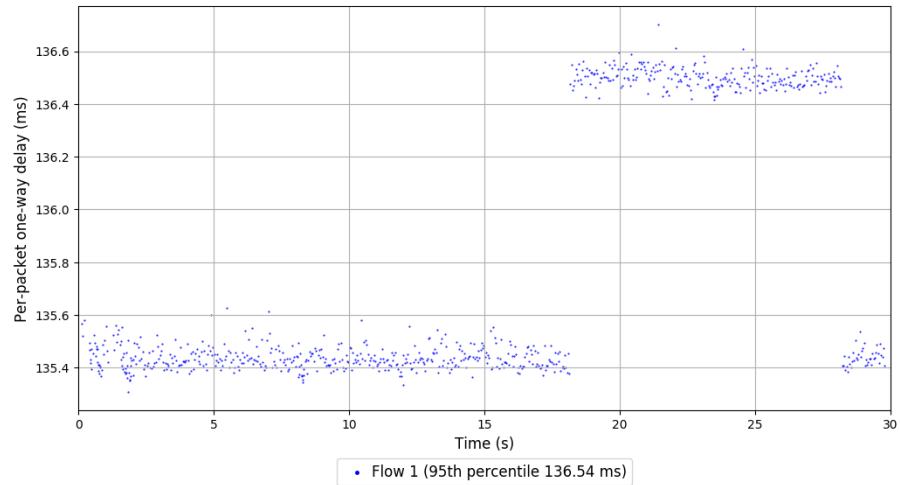
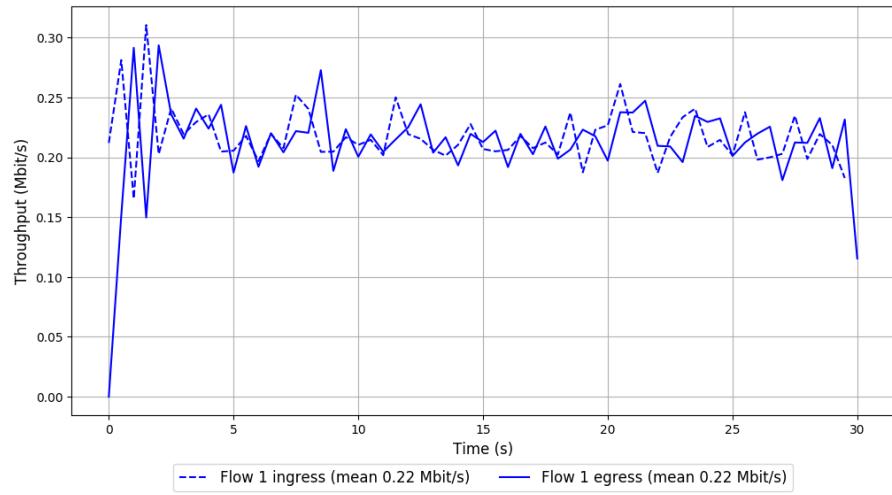


Run 10: Statistics of SCReAM

```
Start at: 2018-05-31 20:44:26
End at: 2018-05-31 20:44:56
Local clock offset: -0.492 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.538 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.538 ms
Loss rate: 0.89%
```

Run 10: Report of SCReAM — Data Link

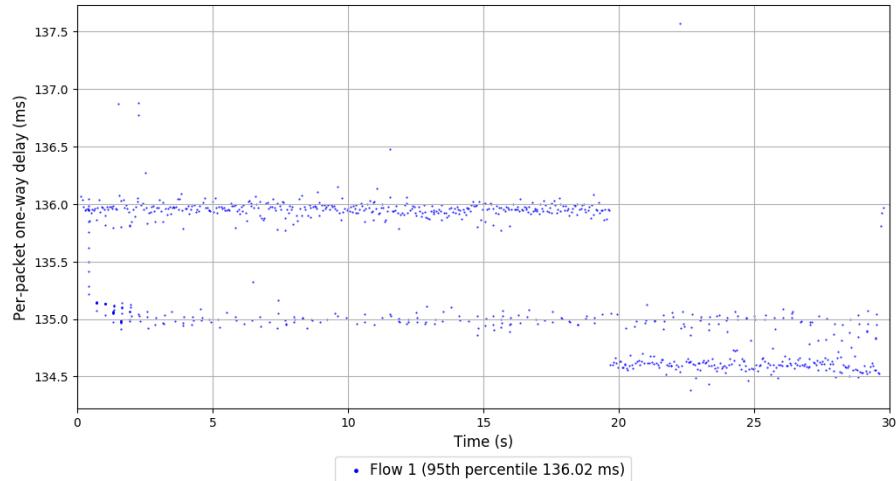
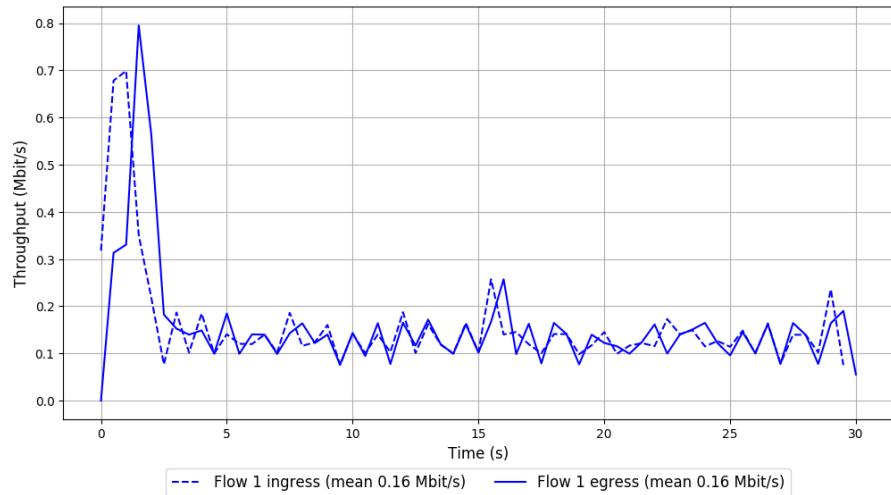


Run 1: Statistics of Sprout

```
Start at: 2018-05-31 17:22:34
End at: 2018-05-31 17:23:04
Local clock offset: -0.236 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.018 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.018 ms
Loss rate: 0.74%
```

Run 1: Report of Sprout — Data Link

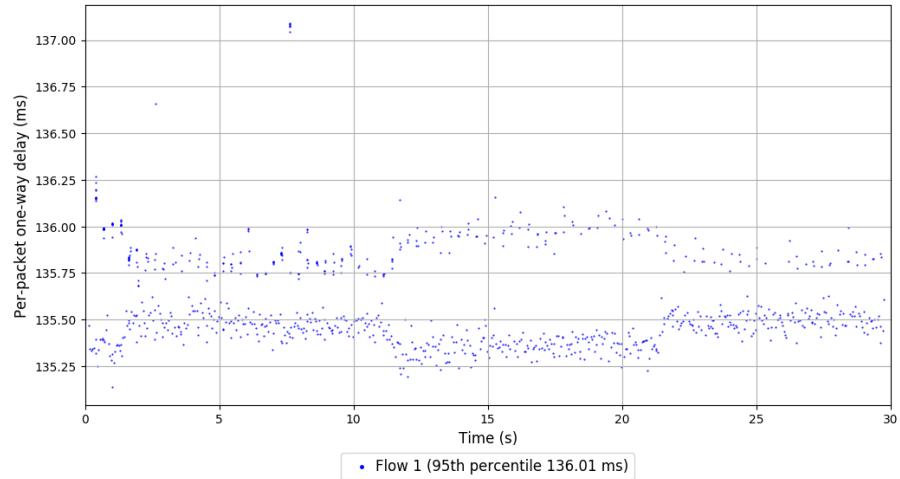
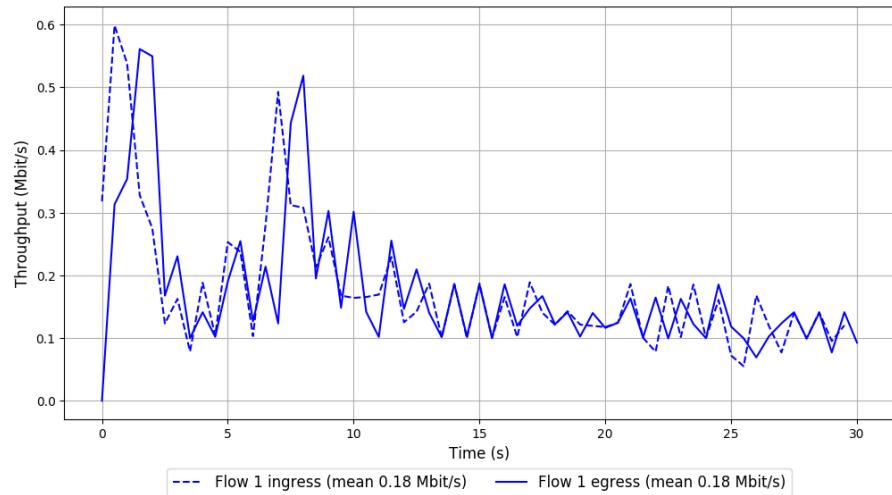


Run 2: Statistics of Sprout

```
Start at: 2018-05-31 17:44:13
End at: 2018-05-31 17:44:43
Local clock offset: -0.263 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.009 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.009 ms
Loss rate: 0.46%
```

Run 2: Report of Sprout — Data Link

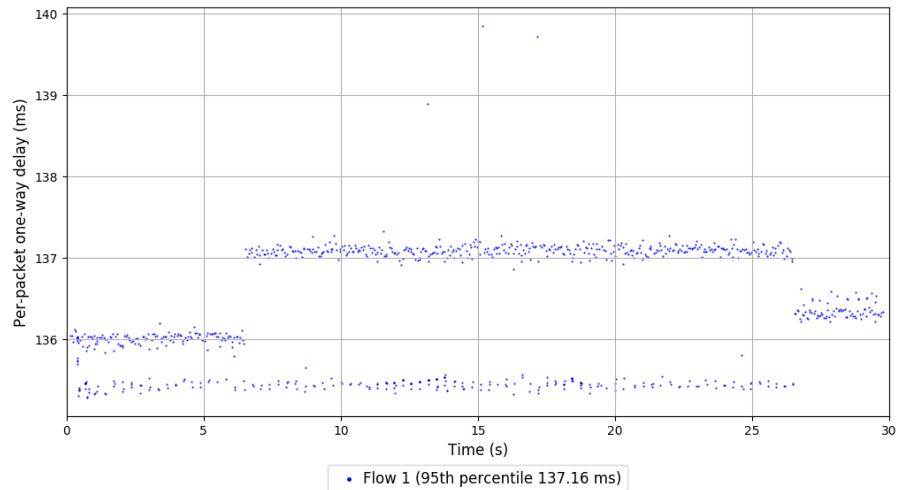
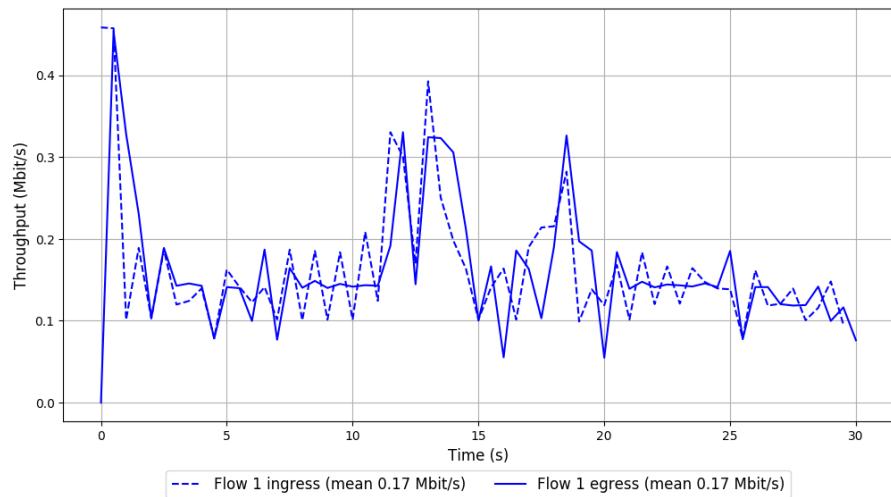


Run 3: Statistics of Sprout

```
Start at: 2018-05-31 18:05:28
End at: 2018-05-31 18:05:58
Local clock offset: -0.164 ms
Remote clock offset: -0.389 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.165 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.165 ms
Loss rate: 0.71%
```

Run 3: Report of Sprout — Data Link

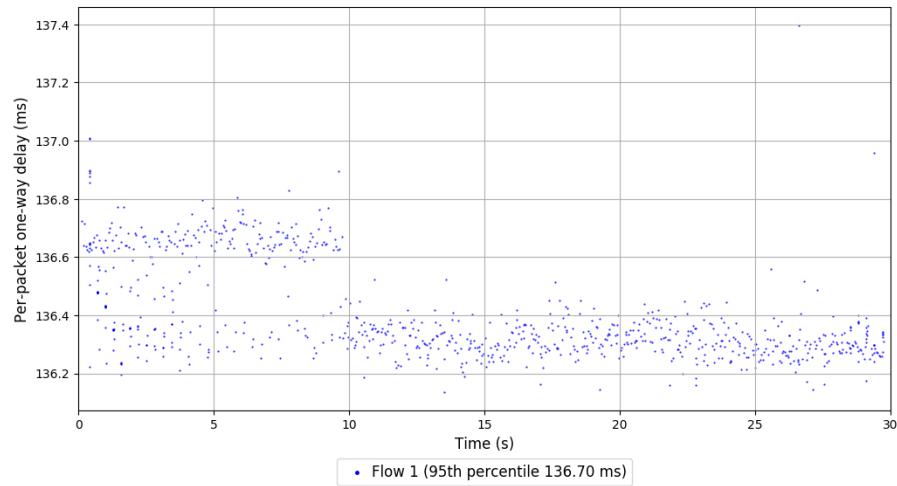
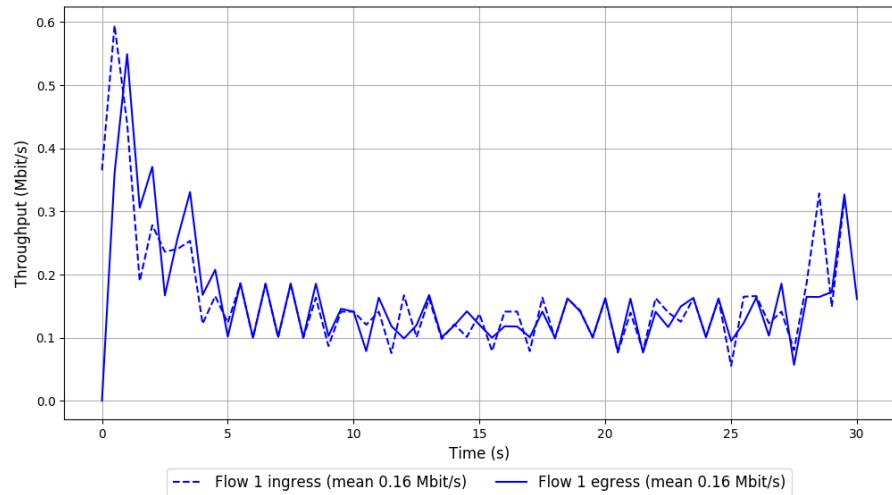


Run 4: Statistics of Sprout

```
Start at: 2018-05-31 18:27:14
End at: 2018-05-31 18:27:44
Local clock offset: 0.239 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.703 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.703 ms
Loss rate: 1.67%
```

Run 4: Report of Sprout — Data Link

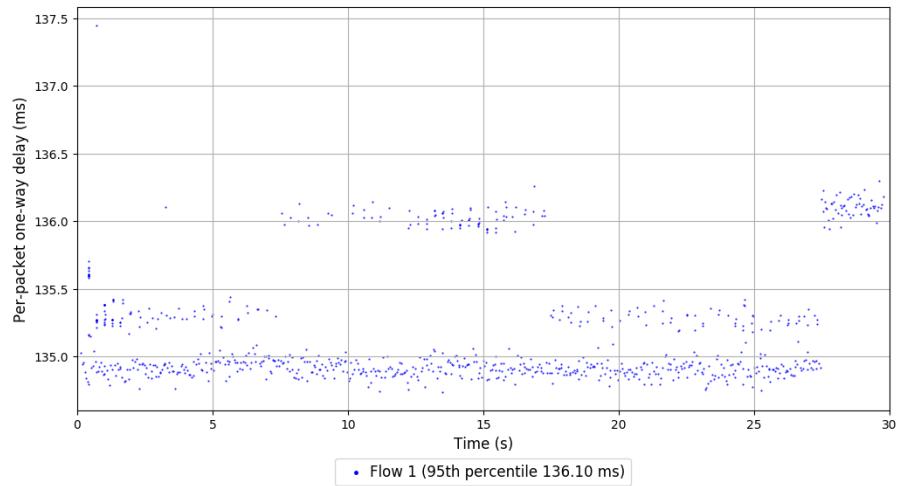
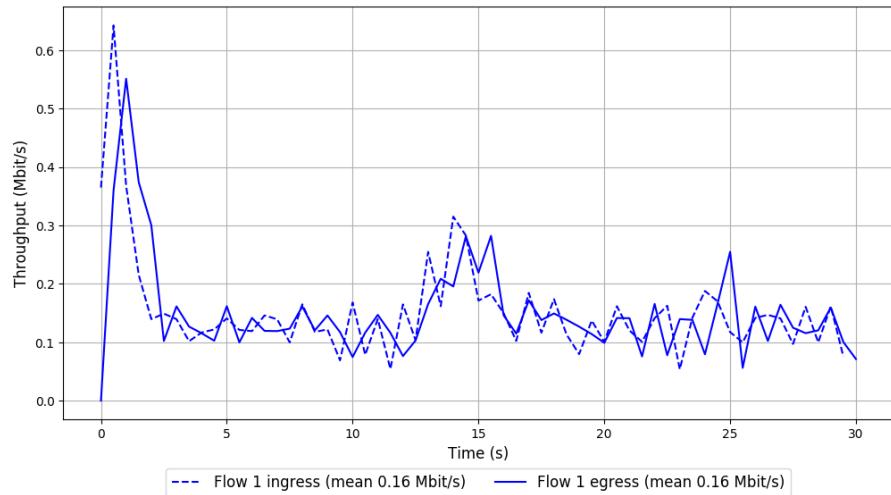


Run 5: Statistics of Sprout

```
Start at: 2018-05-31 18:48:27
End at: 2018-05-31 18:48:57
Local clock offset: 0.047 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.100 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.100 ms
Loss rate: 0.76%
```

Run 5: Report of Sprout — Data Link

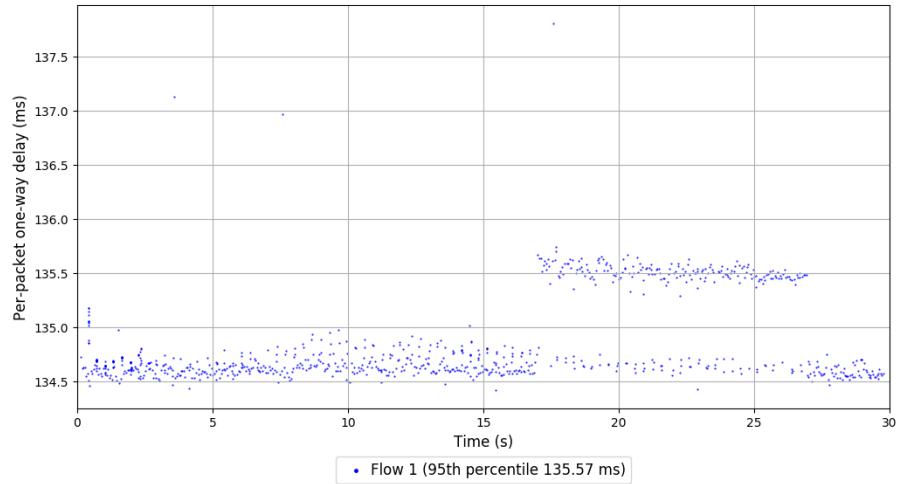
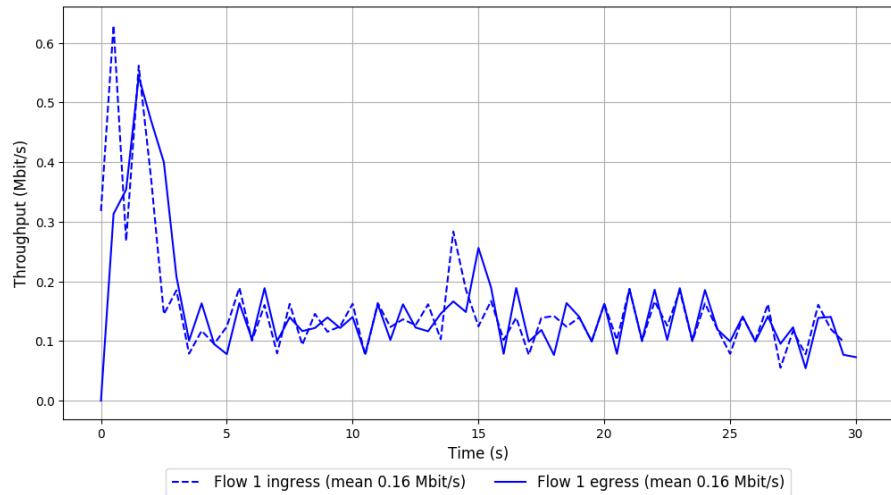


Run 6: Statistics of Sprout

```
Start at: 2018-05-31 19:10:07
End at: 2018-05-31 19:10:37
Local clock offset: -0.614 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.570 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.570 ms
Loss rate: 1.01%
```

Run 6: Report of Sprout — Data Link

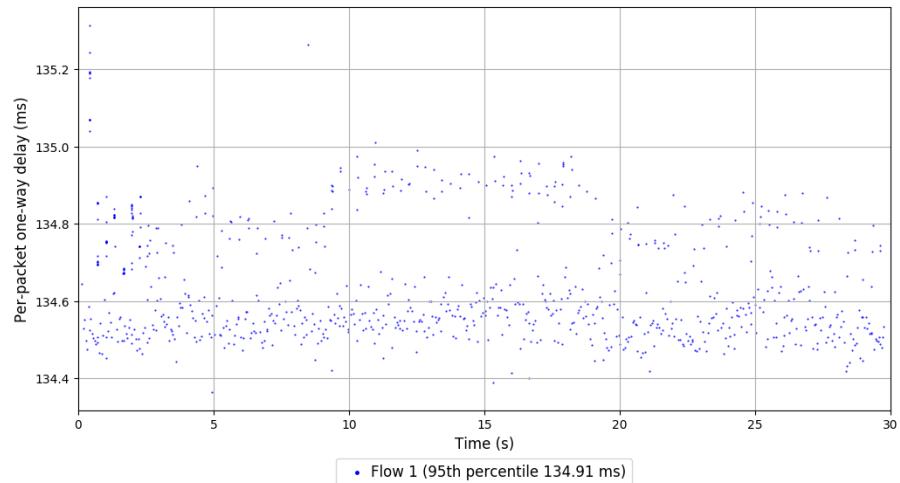
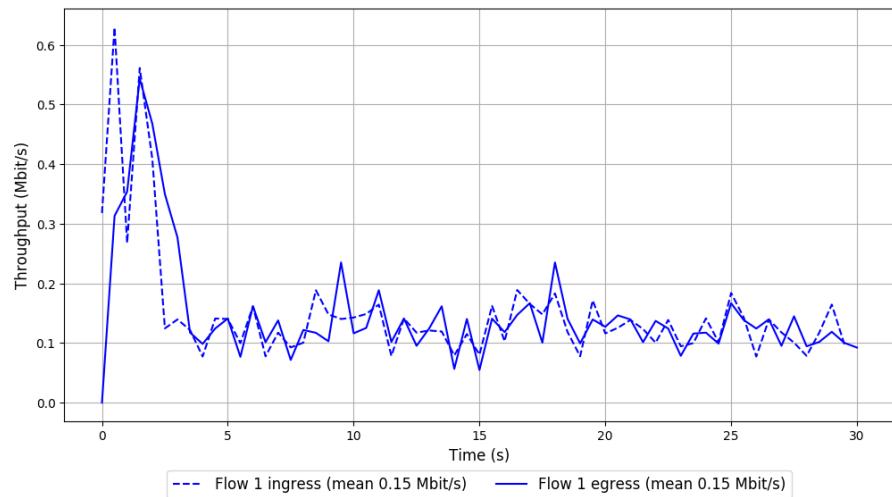


Run 7: Statistics of Sprout

```
Start at: 2018-05-31 19:31:45
End at: 2018-05-31 19:32:15
Local clock offset: -0.439 ms
Remote clock offset: 0.043 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 134.911 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 134.911 ms
Loss rate: 0.80%
```

Run 7: Report of Sprout — Data Link

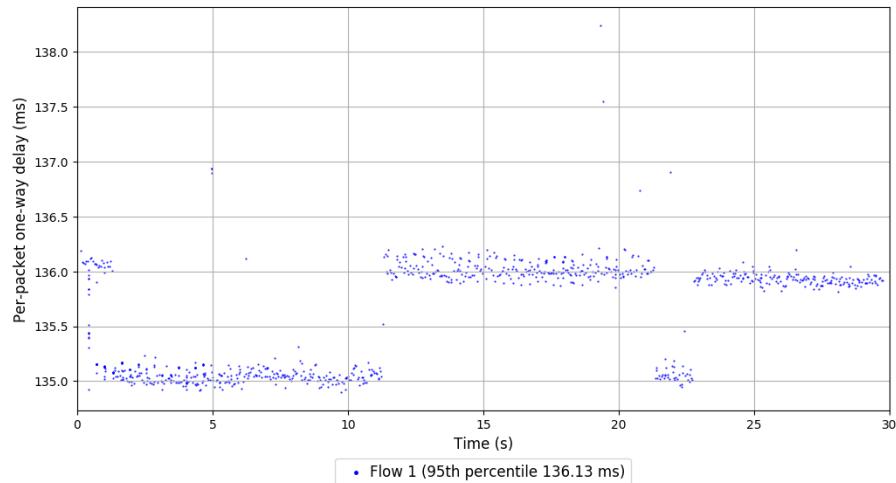
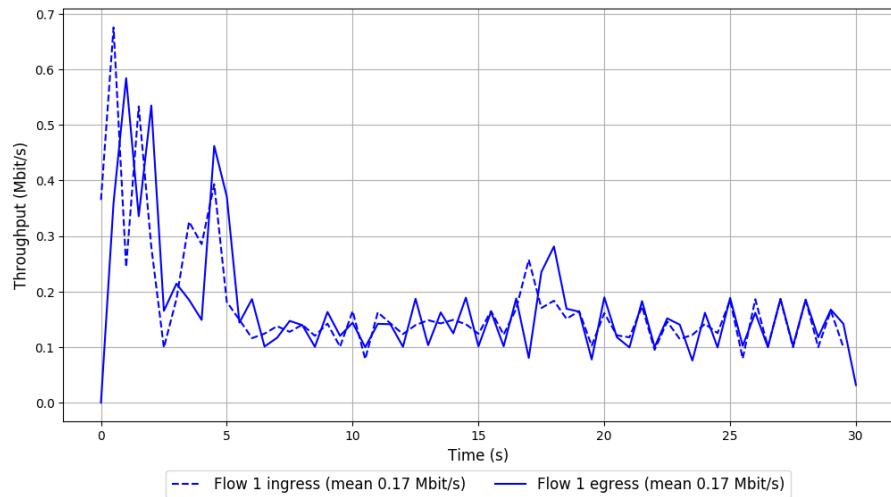


Run 8: Statistics of Sprout

```
Start at: 2018-05-31 19:52:53
End at: 2018-05-31 19:53:23
Local clock offset: -0.247 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.131 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.131 ms
Loss rate: 0.91%
```

Run 8: Report of Sprout — Data Link

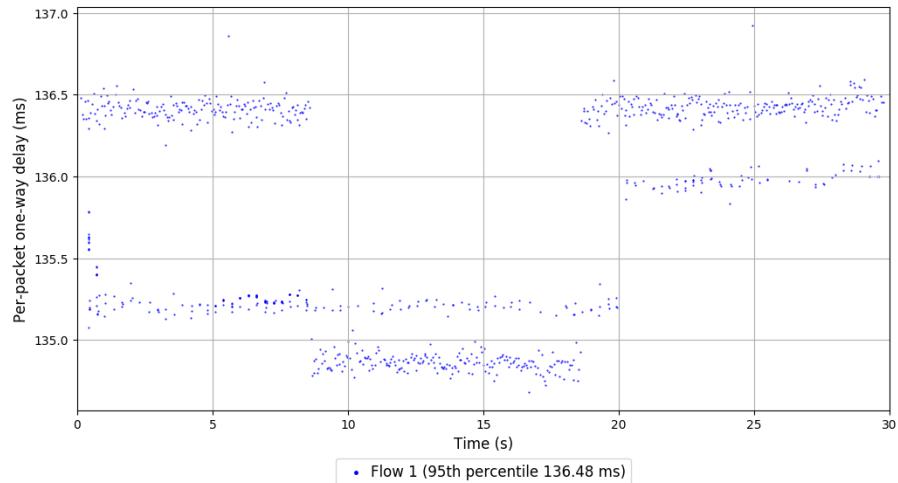
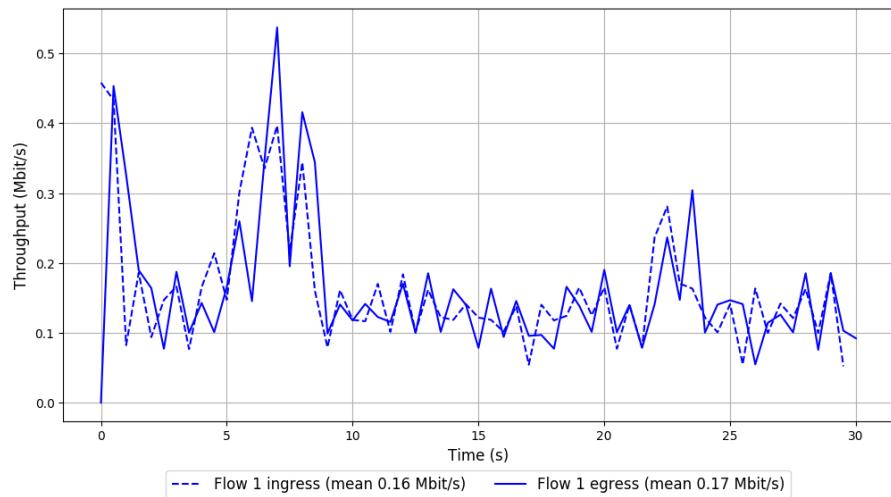


Run 9: Statistics of Sprout

```
Start at: 2018-05-31 20:14:04
End at: 2018-05-31 20:14:34
Local clock offset: -0.269 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-05-31 22:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.484 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.484 ms
Loss rate: 0.48%
```

Run 9: Report of Sprout — Data Link

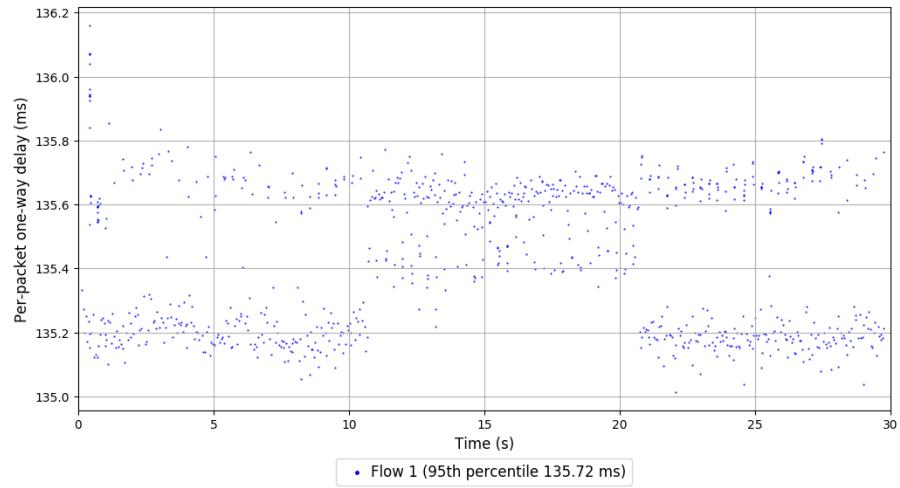
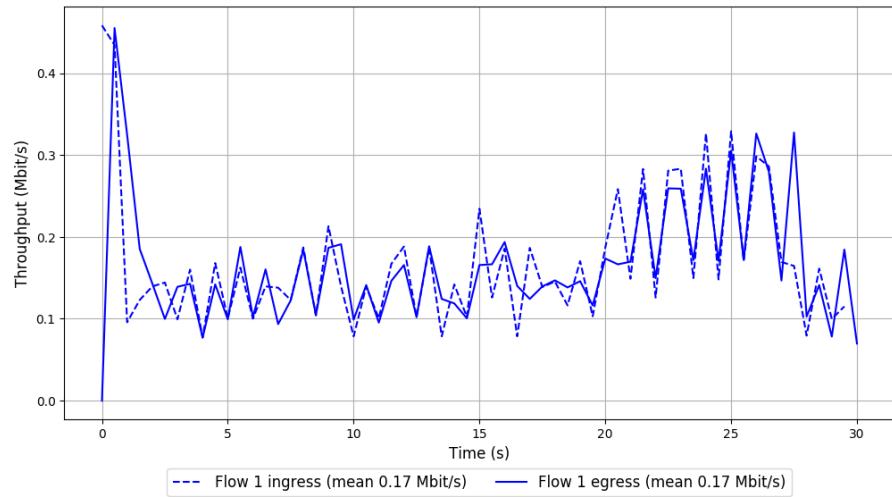


Run 10: Statistics of Sprout

```
Start at: 2018-05-31 20:35:43
End at: 2018-05-31 20:36:13
Local clock offset: -0.361 ms
Remote clock offset: 0.354 ms

# Below is generated by plot.py at 2018-05-31 22:01:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 135.724 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 135.724 ms
Loss rate: 0.48%
```

Run 10: Report of Sprout — Data Link

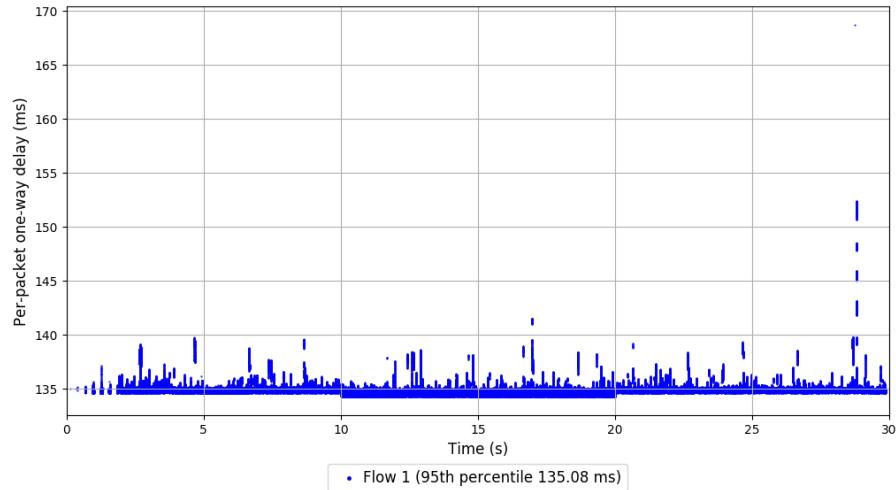
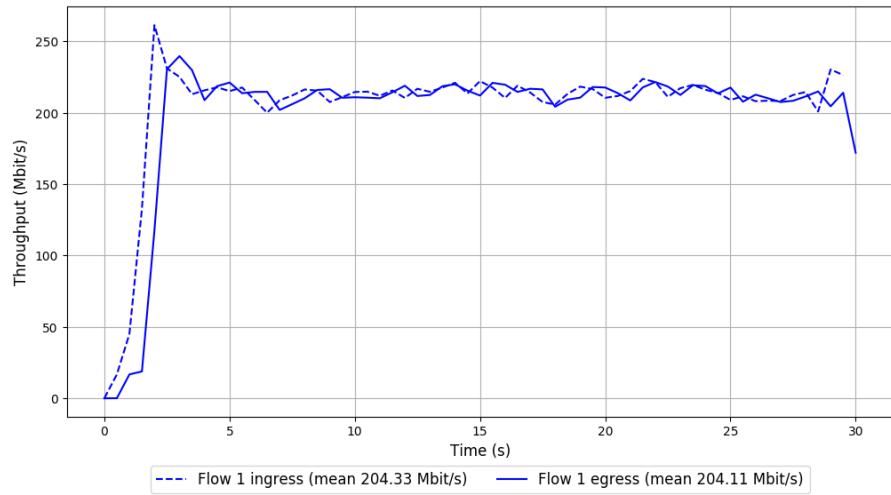


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-31 17:18:04
End at: 2018-05-31 17:18:34
Local clock offset: -0.337 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-05-31 22:02:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.11 Mbit/s
95th percentile per-packet one-way delay: 135.080 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 204.11 Mbit/s
95th percentile per-packet one-way delay: 135.080 ms
Loss rate: 1.01%
```

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

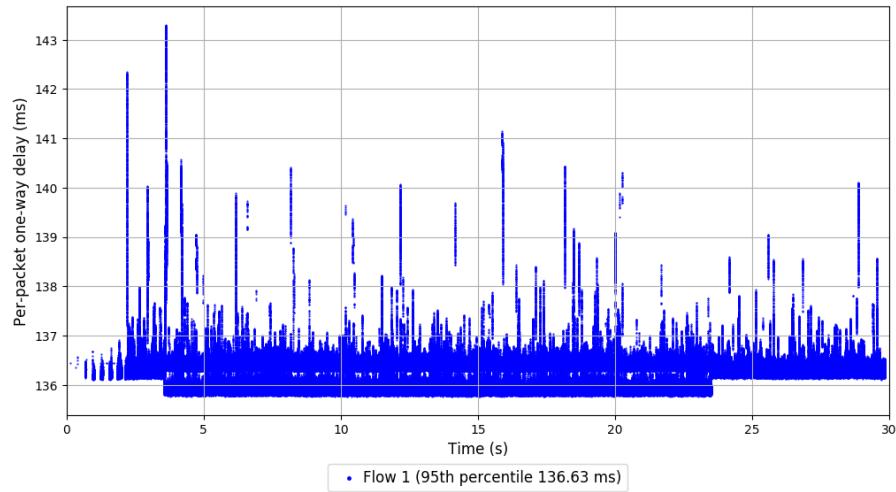
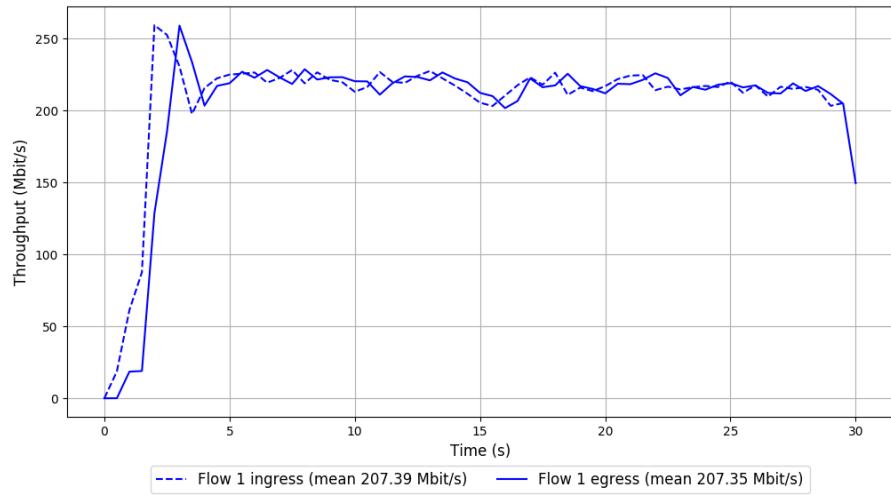


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-31 17:39:31
End at: 2018-05-31 17:40:01
Local clock offset: -0.149 ms
Remote clock offset: -0.453 ms

# Below is generated by plot.py at 2018-05-31 22:02:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.35 Mbit/s
95th percentile per-packet one-way delay: 136.630 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 207.35 Mbit/s
95th percentile per-packet one-way delay: 136.630 ms
Loss rate: 0.92%
```

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

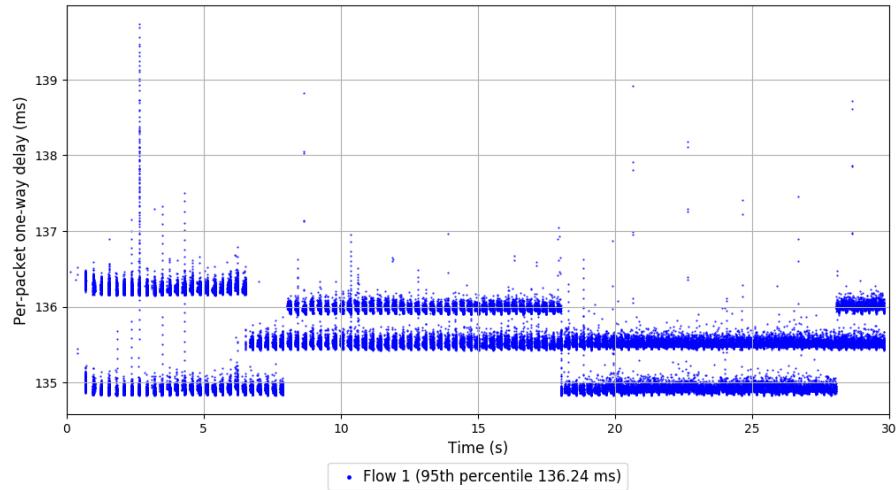
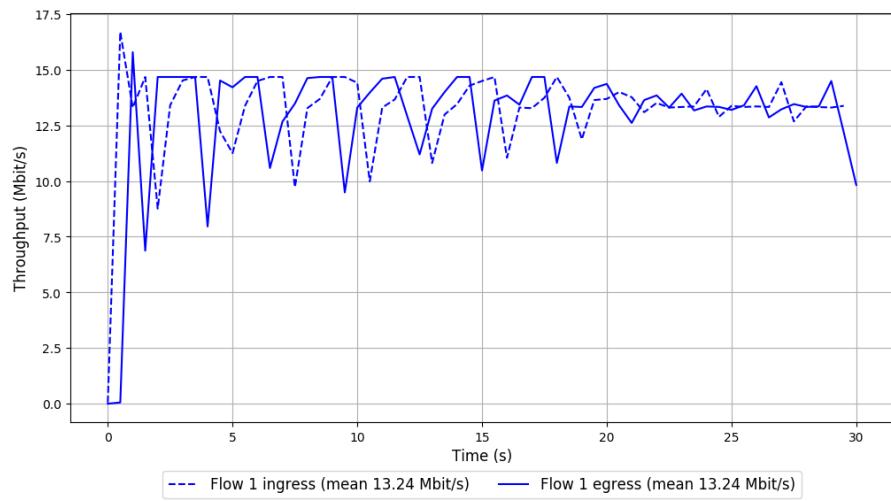


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-31 18:01:06
End at: 2018-05-31 18:01:36
Local clock offset: -0.1 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-31 22:02:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 136.244 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 136.244 ms
Loss rate: 0.93%
```

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

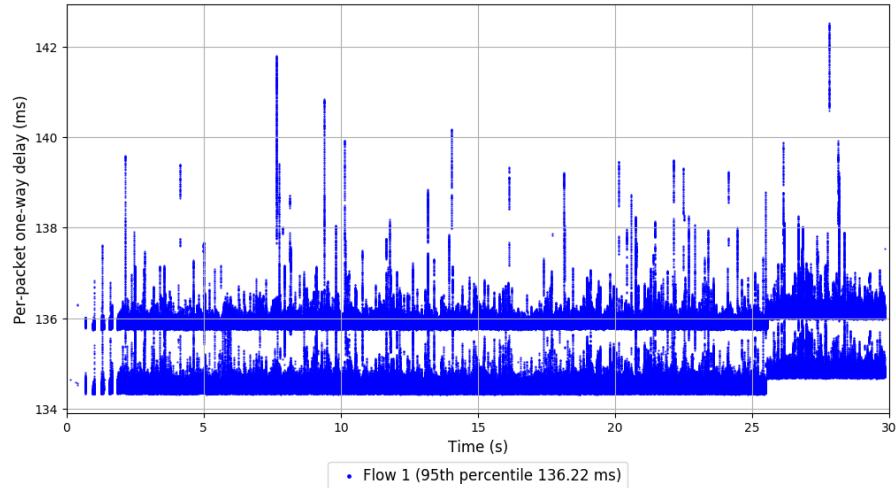
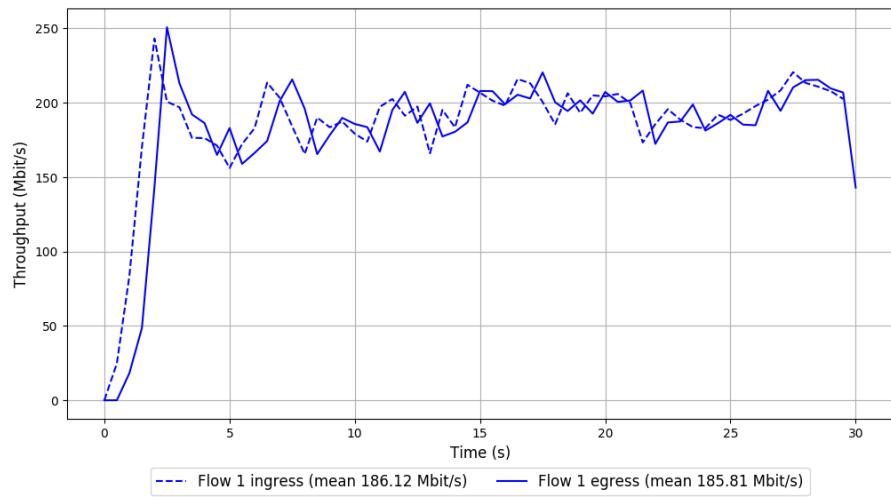


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-31 18:22:39
End at: 2018-05-31 18:23:09
Local clock offset: -0.177 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-05-31 22:03:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.81 Mbit/s
95th percentile per-packet one-way delay: 136.221 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 185.81 Mbit/s
95th percentile per-packet one-way delay: 136.221 ms
Loss rate: 1.06%
```

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

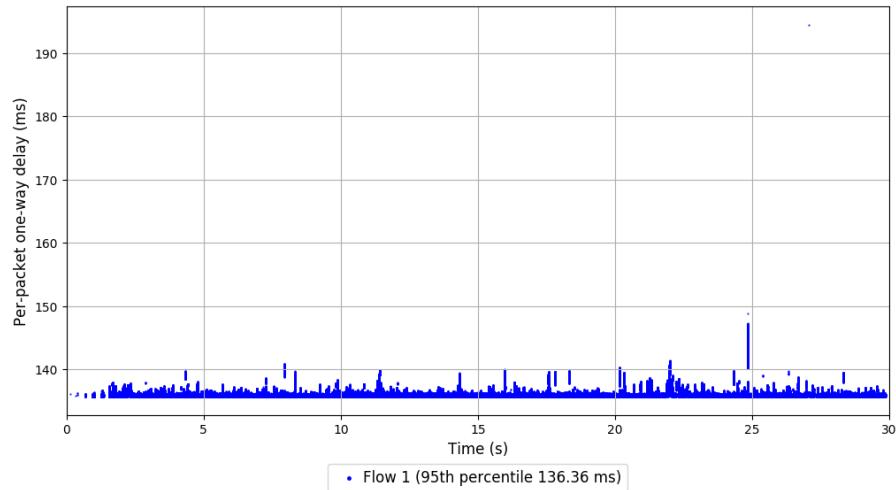
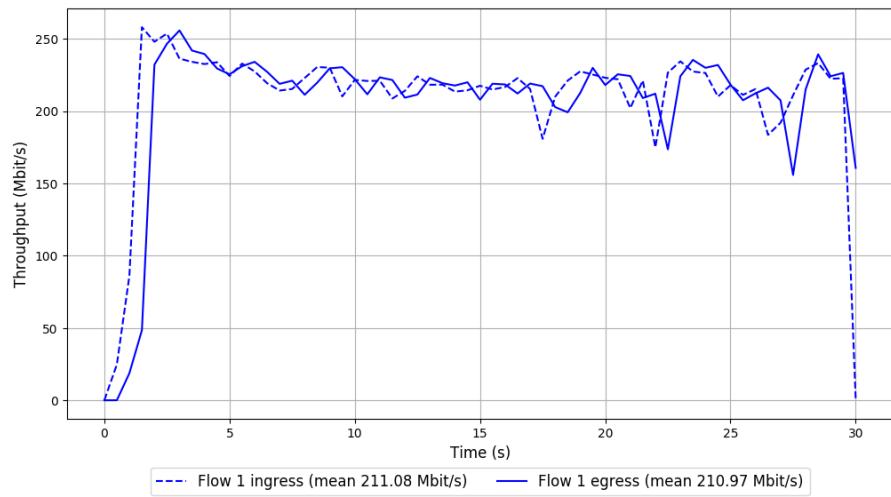


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-31 18:44:04
End at: 2018-05-31 18:44:35
Local clock offset: 0.029 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-05-31 22:04:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.97 Mbit/s
95th percentile per-packet one-way delay: 136.359 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 210.97 Mbit/s
95th percentile per-packet one-way delay: 136.359 ms
Loss rate: 0.97%
```

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

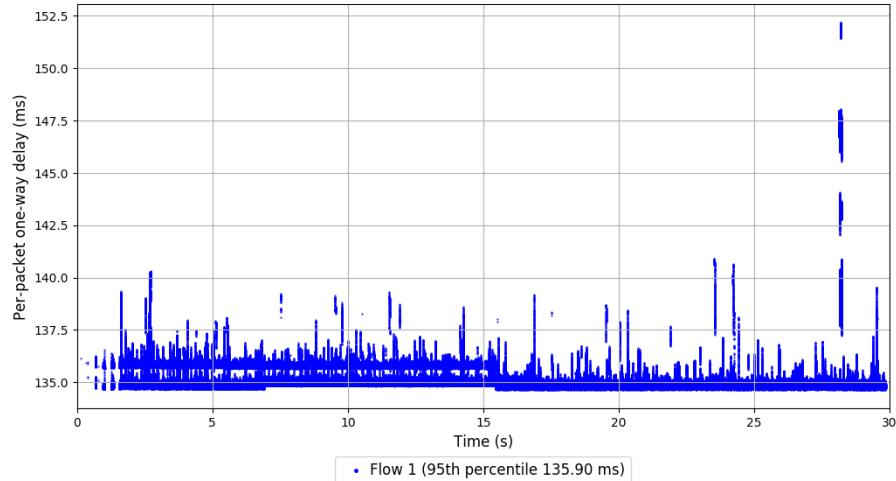
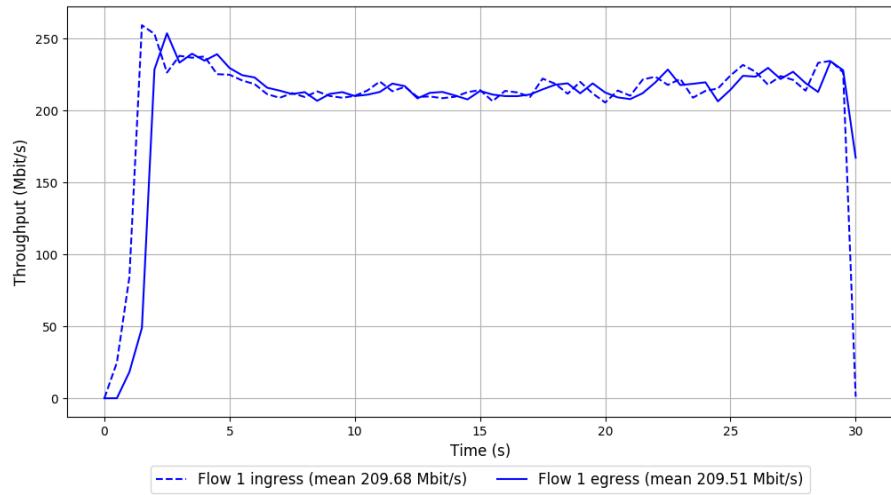


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-31 19:05:37
End at: 2018-05-31 19:06:07
Local clock offset: -0.254 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-05-31 22:05:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.51 Mbit/s
95th percentile per-packet one-way delay: 135.896 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 209.51 Mbit/s
95th percentile per-packet one-way delay: 135.896 ms
Loss rate: 0.99%
```

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

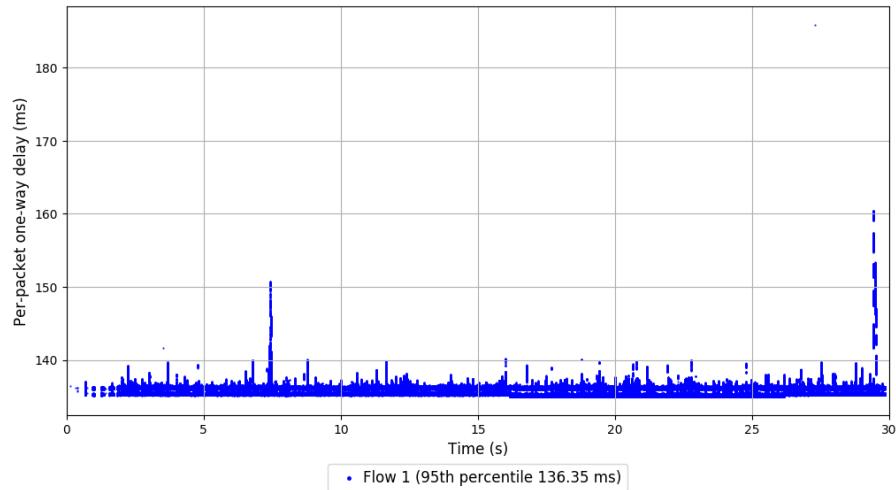
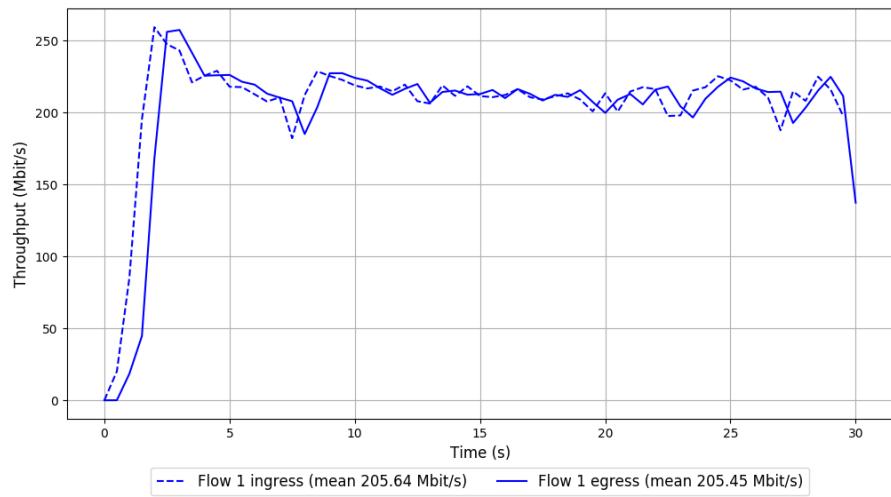


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-31 19:27:08
End at: 2018-05-31 19:27:38
Local clock offset: -0.368 ms
Remote clock offset: -0.381 ms

# Below is generated by plot.py at 2018-05-31 22:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.45 Mbit/s
95th percentile per-packet one-way delay: 136.350 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 205.45 Mbit/s
95th percentile per-packet one-way delay: 136.350 ms
Loss rate: 0.99%
```

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

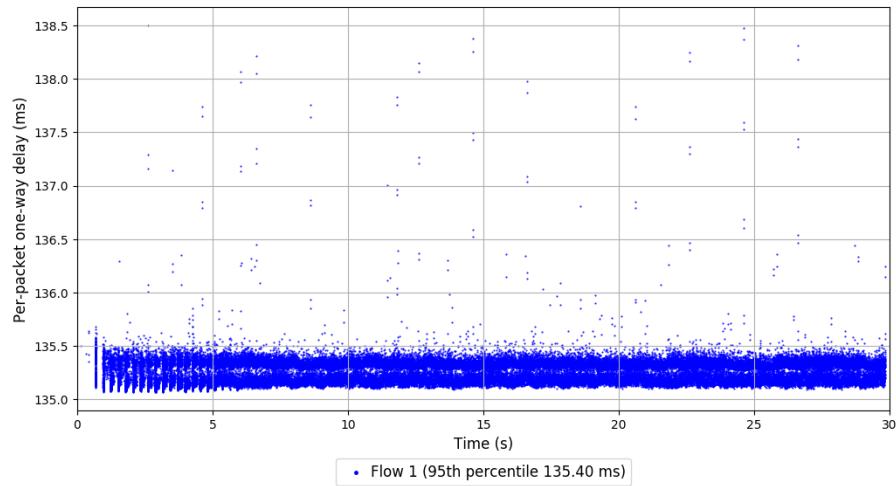
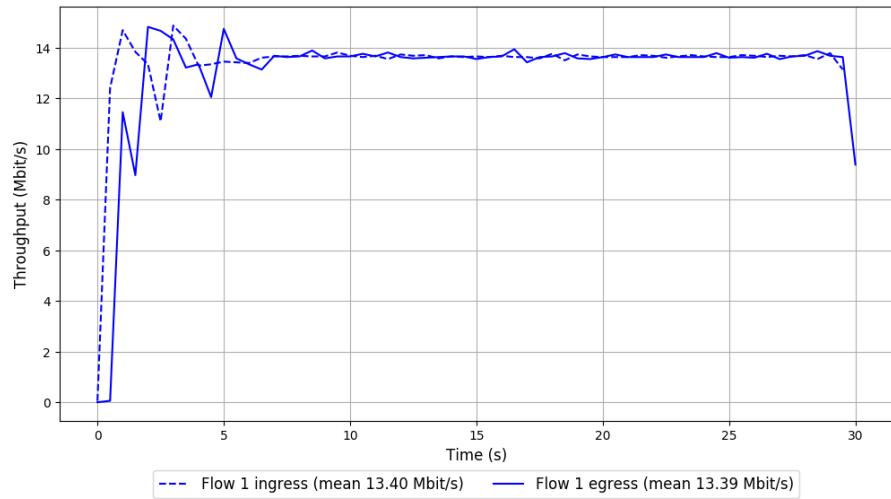


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-31 19:48:46
End at: 2018-05-31 19:49:16
Local clock offset: -0.46 ms
Remote clock offset: 0.384 ms

# Below is generated by plot.py at 2018-05-31 22:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 135.401 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 135.401 ms
Loss rate: 0.93%
```

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

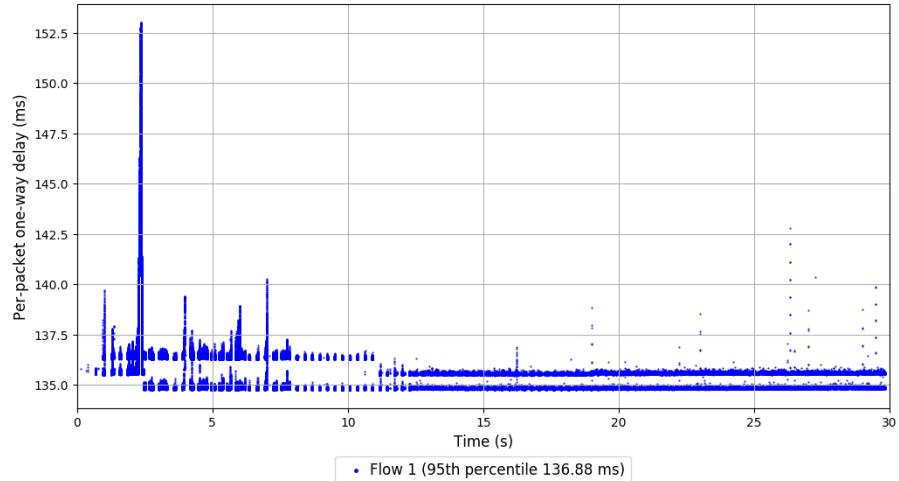
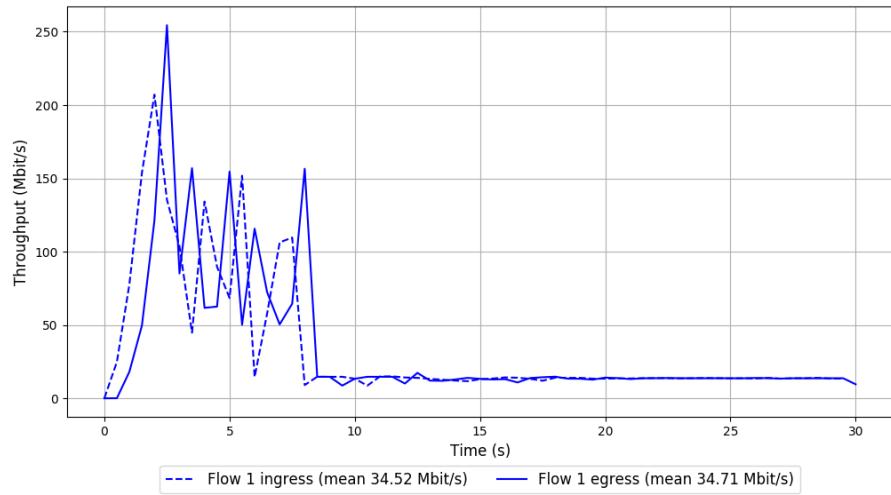


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-31 20:09:52
End at: 2018-05-31 20:10:22
Local clock offset: -0.451 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-05-31 22:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 136.883 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 136.883 ms
Loss rate: 0.36%
```

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

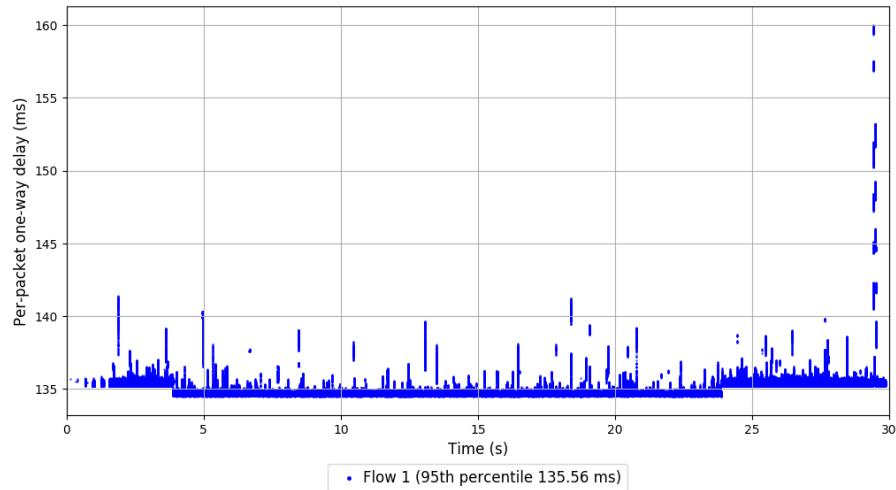
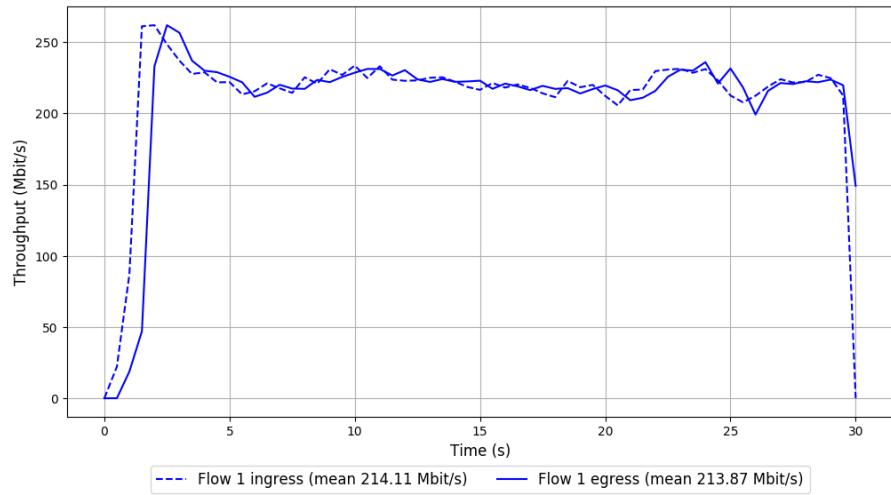


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-31 20:31:10
End at: 2018-05-31 20:31:40
Local clock offset: -0.696 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.87 Mbit/s
95th percentile per-packet one-way delay: 135.561 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 213.87 Mbit/s
95th percentile per-packet one-way delay: 135.561 ms
Loss rate: 1.02%
```

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

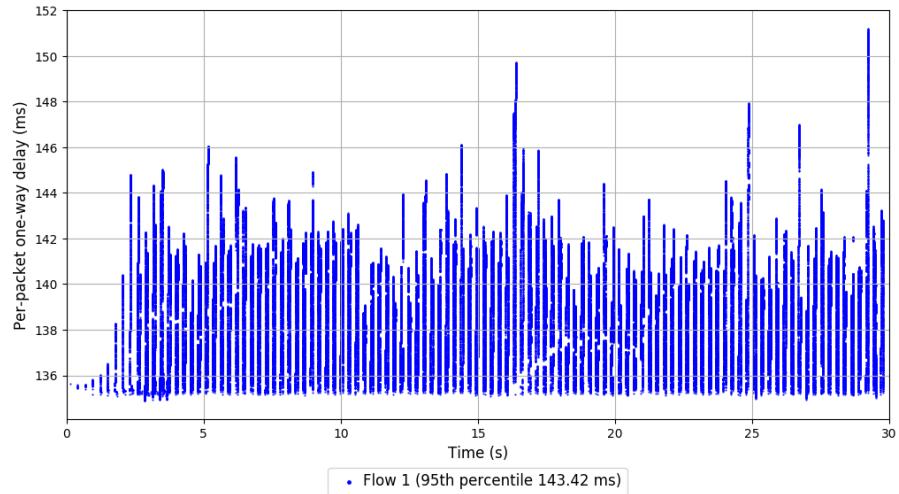
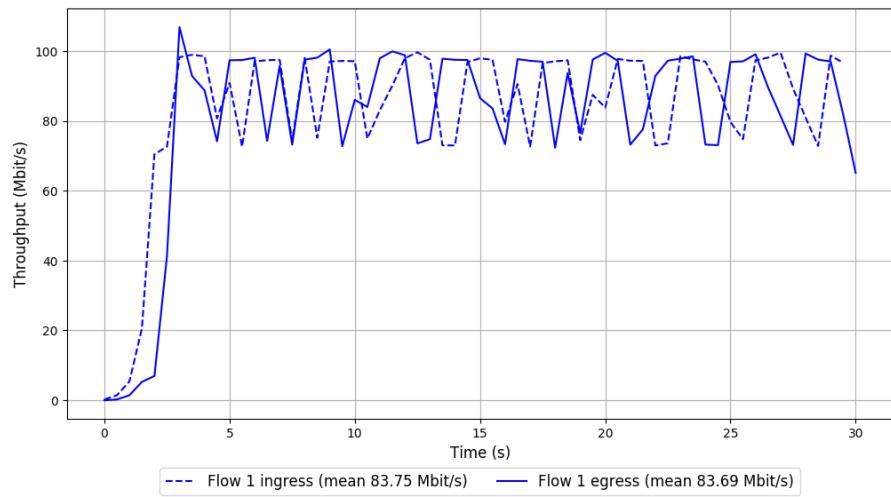


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-31 17:15:37
End at: 2018-05-31 17:16:07
Local clock offset: -0.06 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 143.419 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 143.419 ms
Loss rate: 0.96%
```

Run 1: Report of TCP Vegas — Data Link

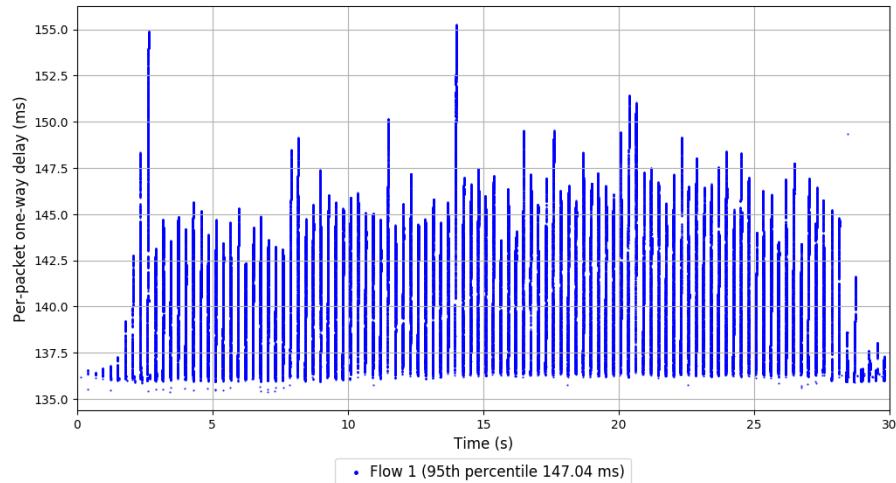
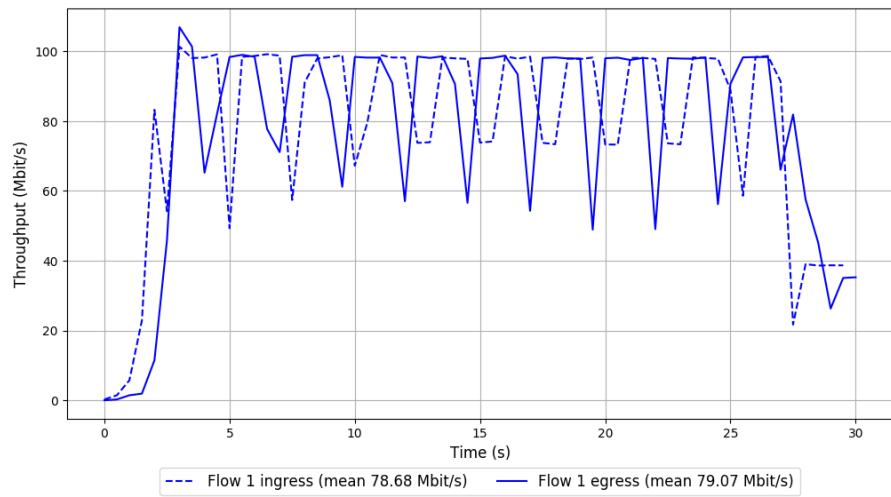


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-31 17:37:04
End at: 2018-05-31 17:37:34
Local clock offset: -0.053 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 147.036 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 147.036 ms
Loss rate: 0.41%
```

Run 2: Report of TCP Vegas — Data Link

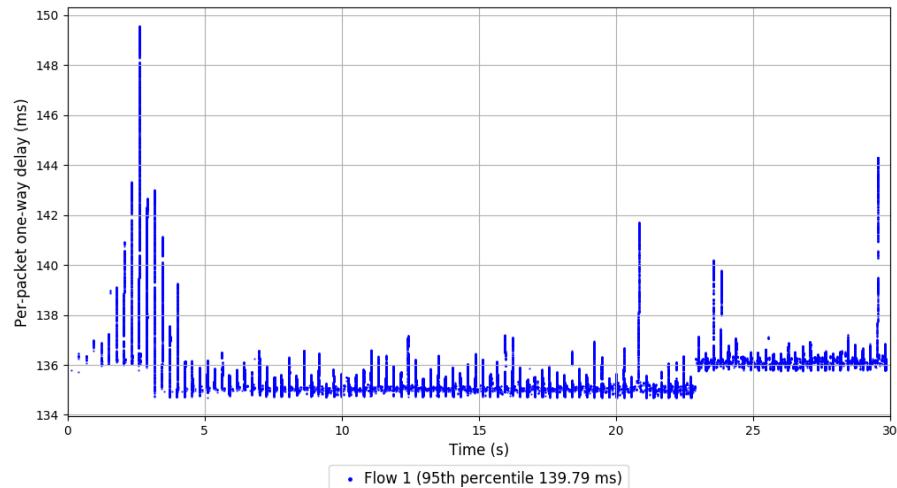
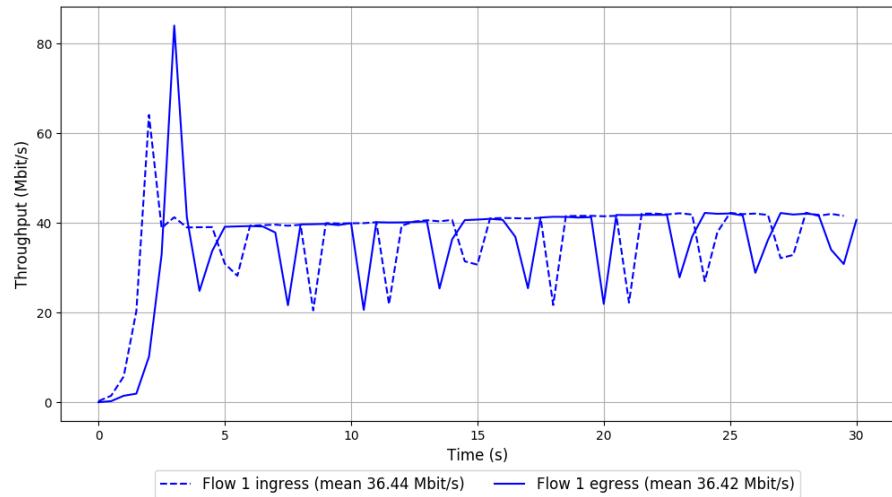


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-31 17:58:41
End at: 2018-05-31 17:59:11
Local clock offset: -0.222 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 139.789 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 139.789 ms
Loss rate: 0.96%
```

Run 3: Report of TCP Vegas — Data Link

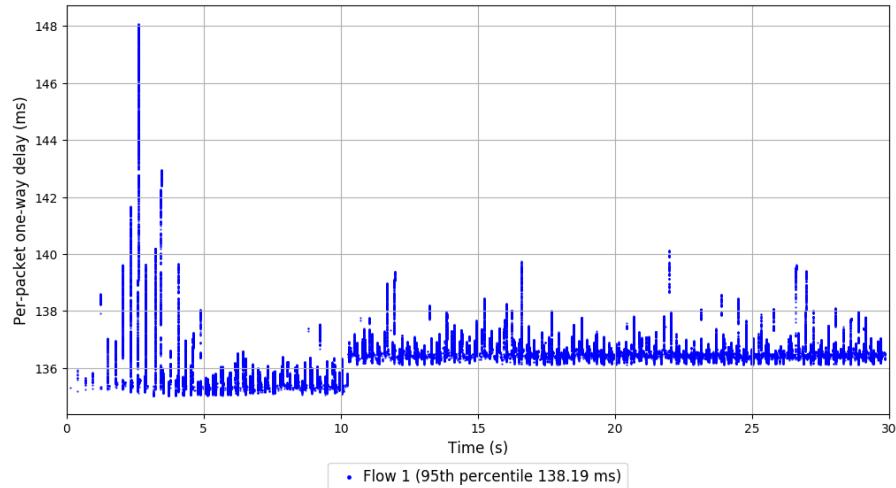
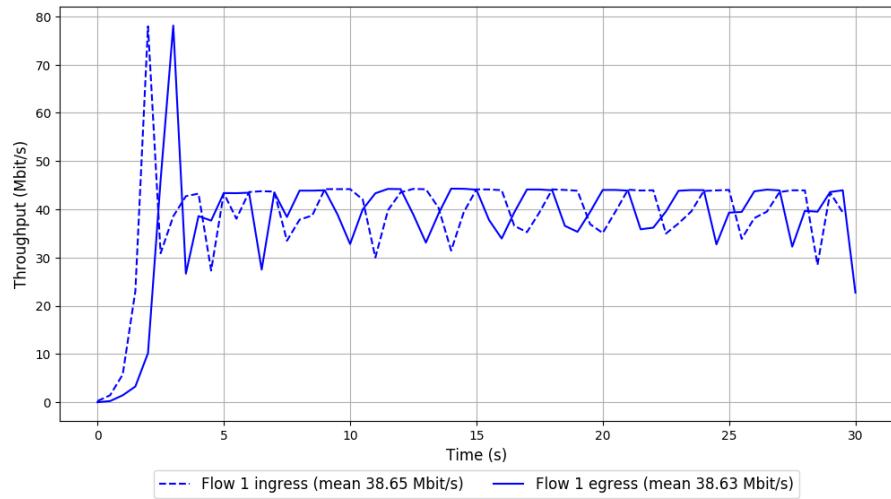


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-31 18:20:14
End at: 2018-05-31 18:20:44
Local clock offset: 0.154 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 138.194 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 138.194 ms
Loss rate: 0.95%
```

Run 4: Report of TCP Vegas — Data Link

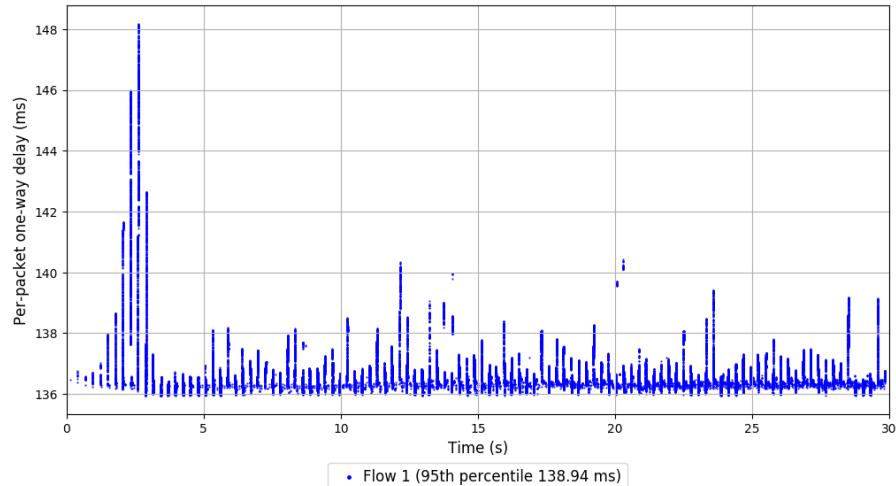
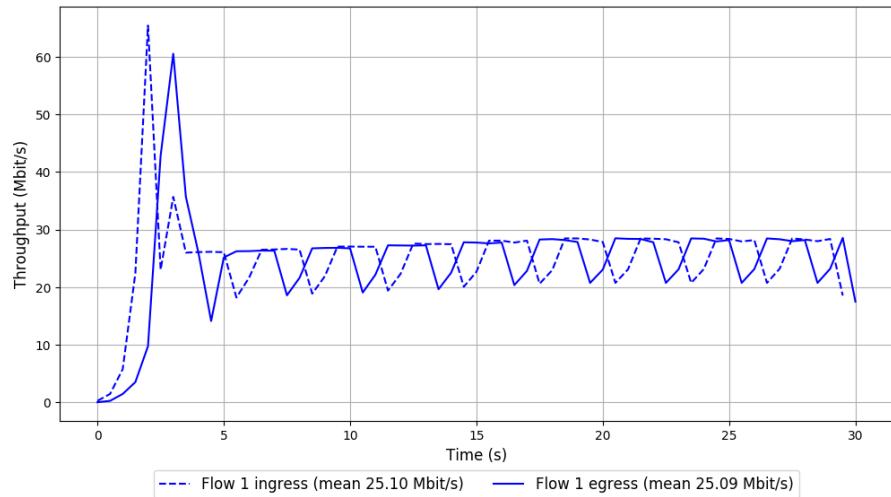


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-31 18:41:41
End at: 2018-05-31 18:42:11
Local clock offset: 0.202 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 138.942 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 138.942 ms
Loss rate: 0.95%
```

Run 5: Report of TCP Vegas — Data Link

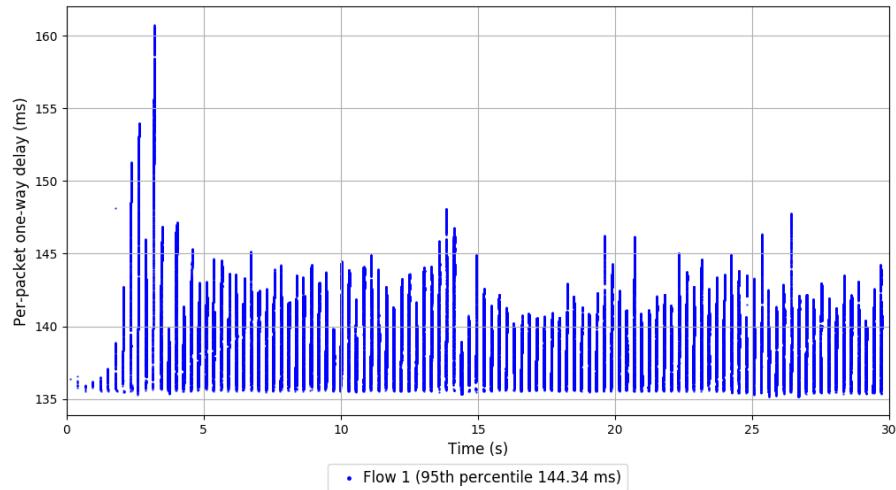
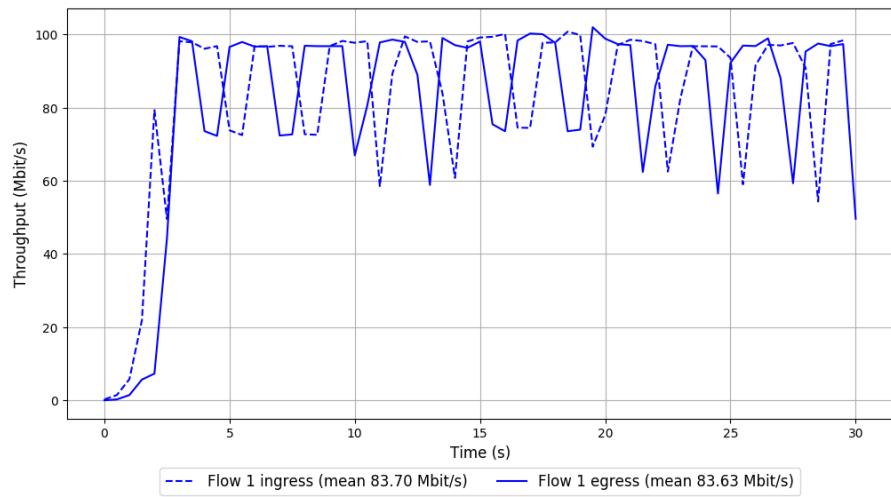


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-31 19:03:10
End at: 2018-05-31 19:03:40
Local clock offset: -0.218 ms
Remote clock offset: -0.404 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 144.345 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 144.345 ms
Loss rate: 0.98%
```

Run 6: Report of TCP Vegas — Data Link

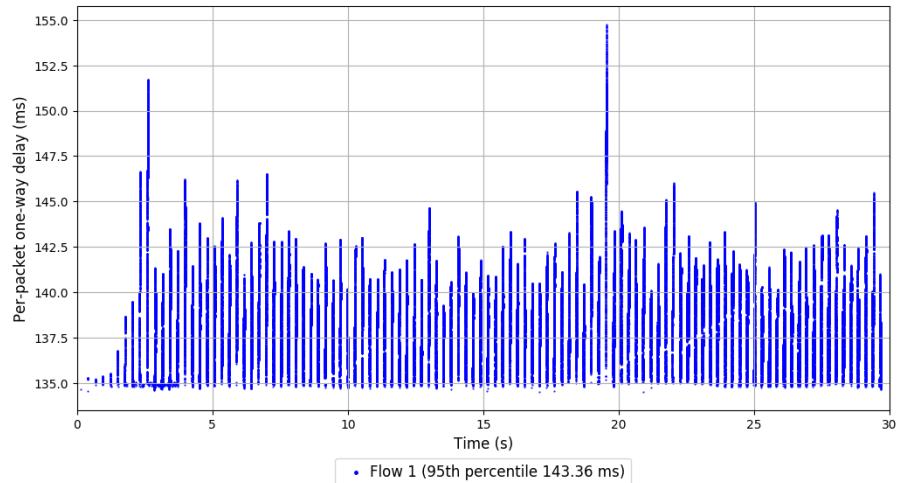
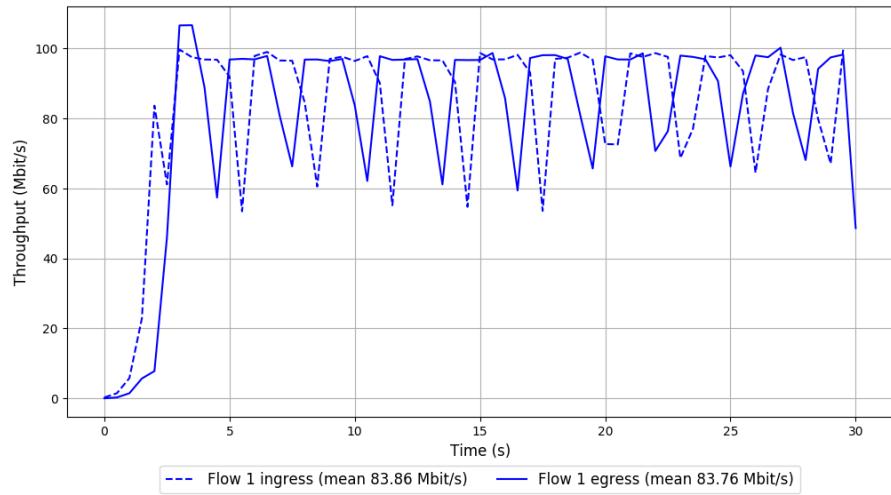


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-31 19:24:41
End at: 2018-05-31 19:25:11
Local clock offset: -0.413 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 143.358 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 143.358 ms
Loss rate: 1.02%
```

Run 7: Report of TCP Vegas — Data Link

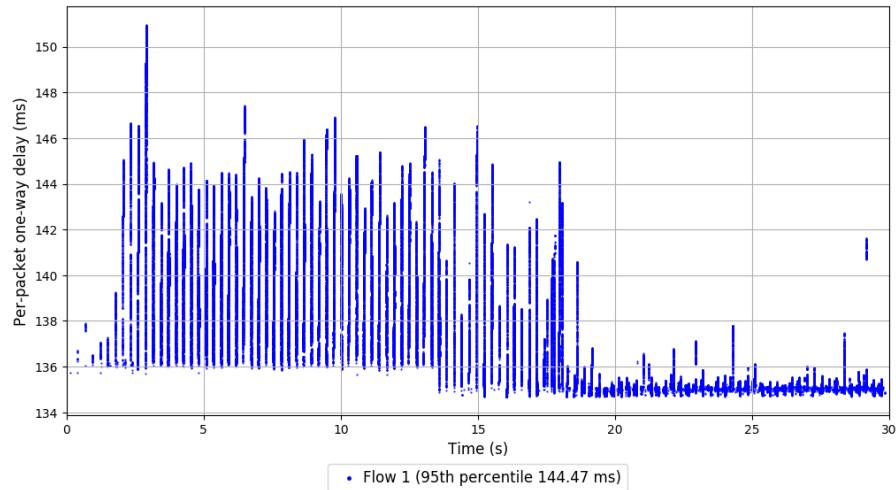
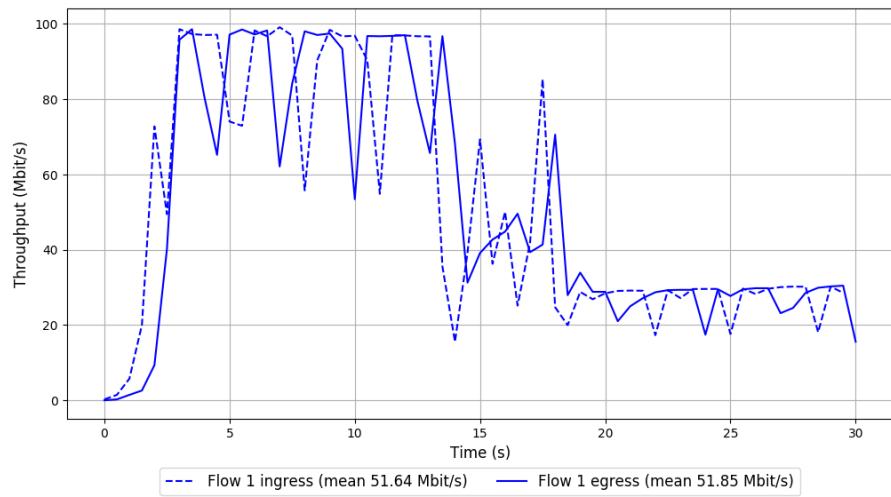


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-31 19:46:21
End at: 2018-05-31 19:46:51
Local clock offset: -0.352 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 144.465 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 144.465 ms
Loss rate: 0.50%
```

Run 8: Report of TCP Vegas — Data Link

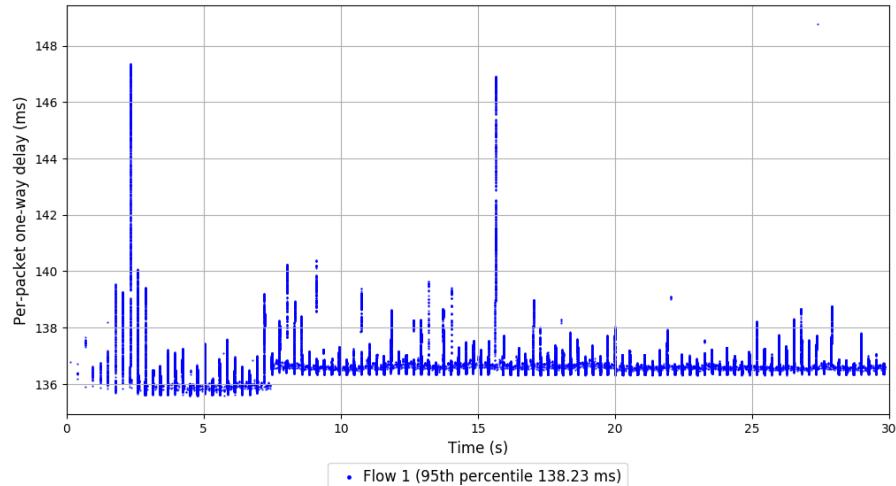
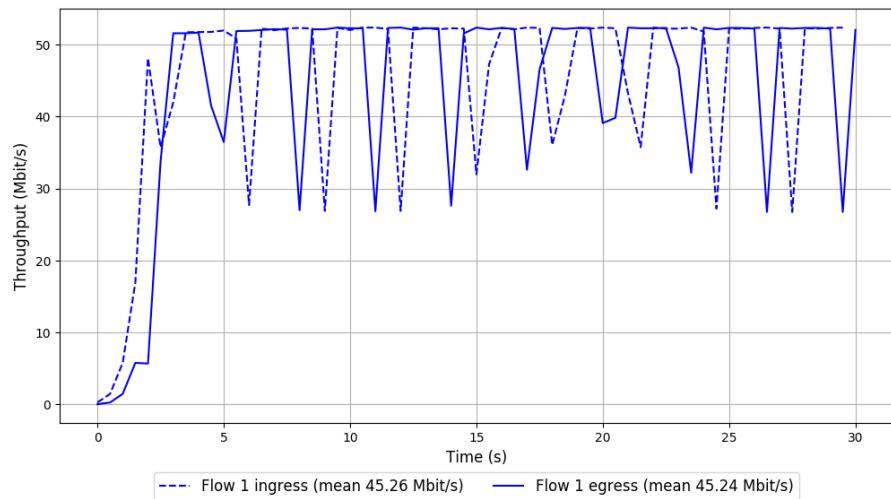


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-31 20:07:27
End at: 2018-05-31 20:07:57
Local clock offset: 0.011 ms
Remote clock offset: -0.375 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.24 Mbit/s
95th percentile per-packet one-way delay: 138.232 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 45.24 Mbit/s
95th percentile per-packet one-way delay: 138.232 ms
Loss rate: 0.97%
```

Run 9: Report of TCP Vegas — Data Link

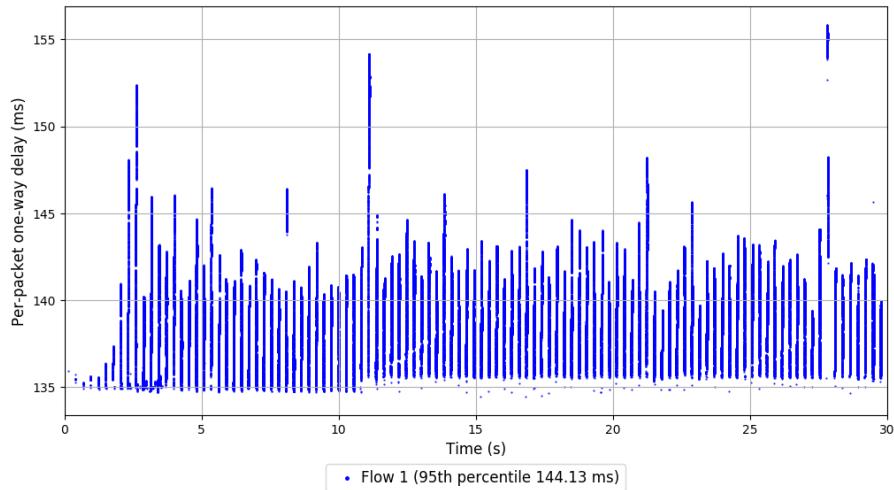
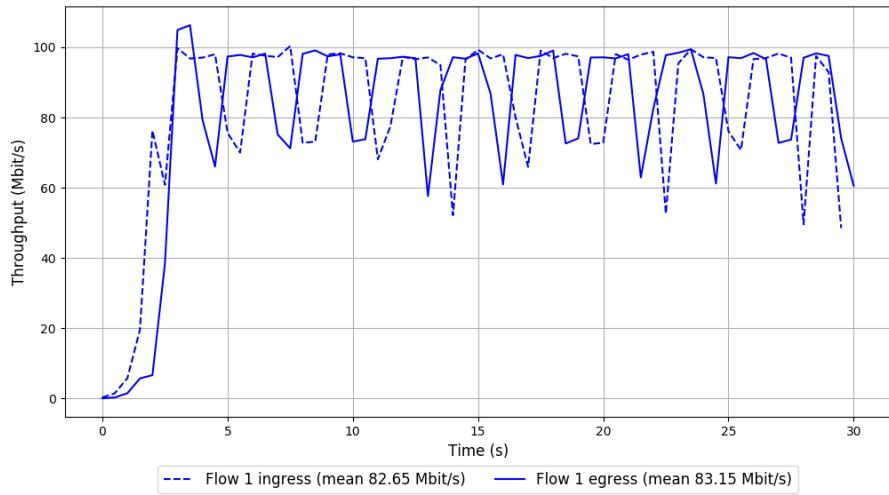


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-31 20:28:43
End at: 2018-05-31 20:29:13
Local clock offset: -0.601 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 144.135 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 144.135 ms
Loss rate: 0.14%
```

Run 10: Report of TCP Vegas — Data Link

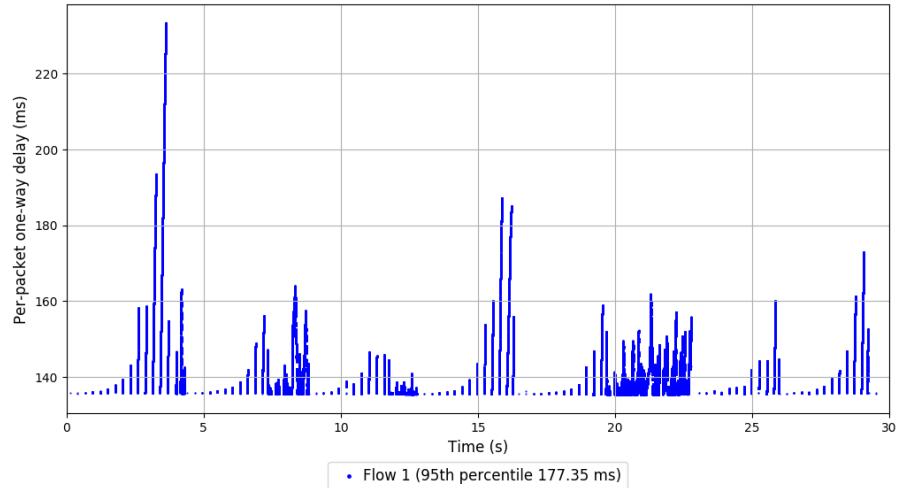
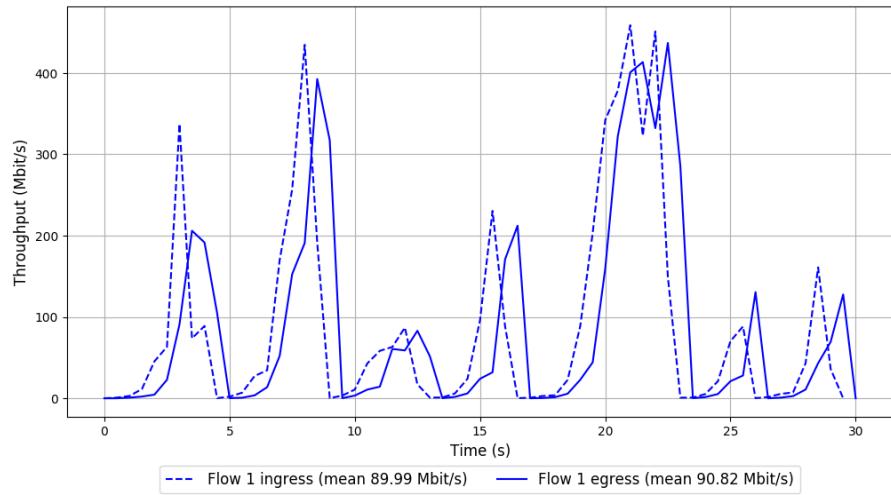


Run 1: Statistics of Verus

```
Start at: 2018-05-31 17:34:02
End at: 2018-05-31 17:34:32
Local clock offset: -0.4 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 177.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 177.348 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

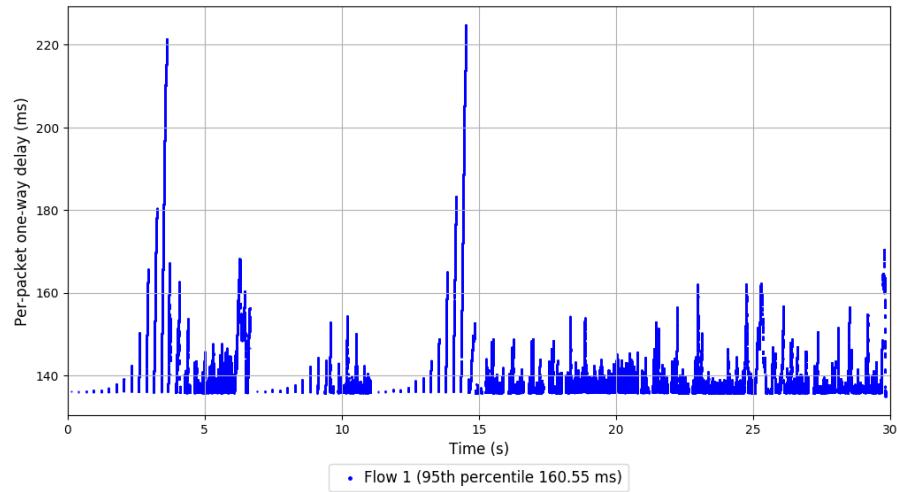
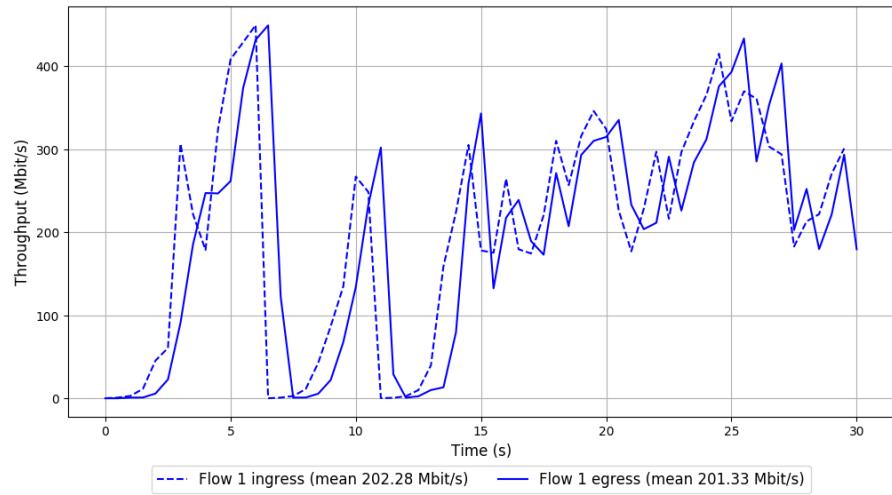


Run 2: Statistics of Verus

```
Start at: 2018-05-31 17:55:34
End at: 2018-05-31 17:56:04
Local clock offset: -0.258 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-05-31 22:08:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.33 Mbit/s
95th percentile per-packet one-way delay: 160.548 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 201.33 Mbit/s
95th percentile per-packet one-way delay: 160.548 ms
Loss rate: 1.38%
```

Run 2: Report of Verus — Data Link

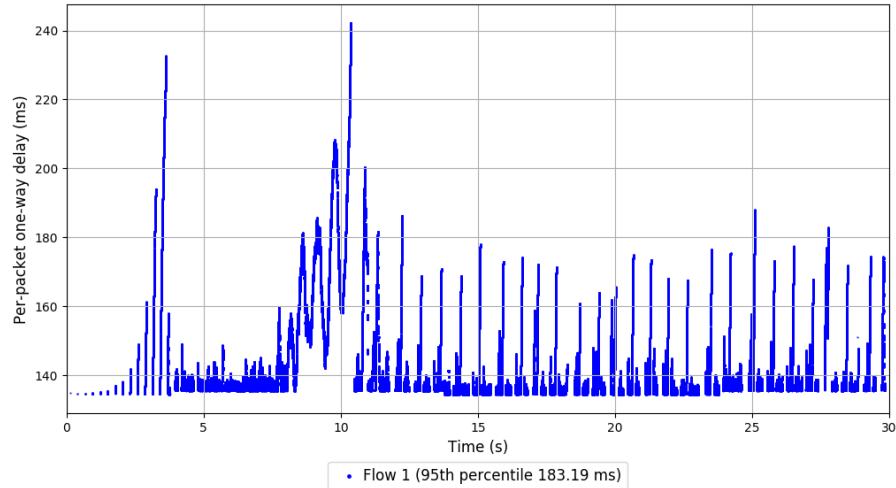
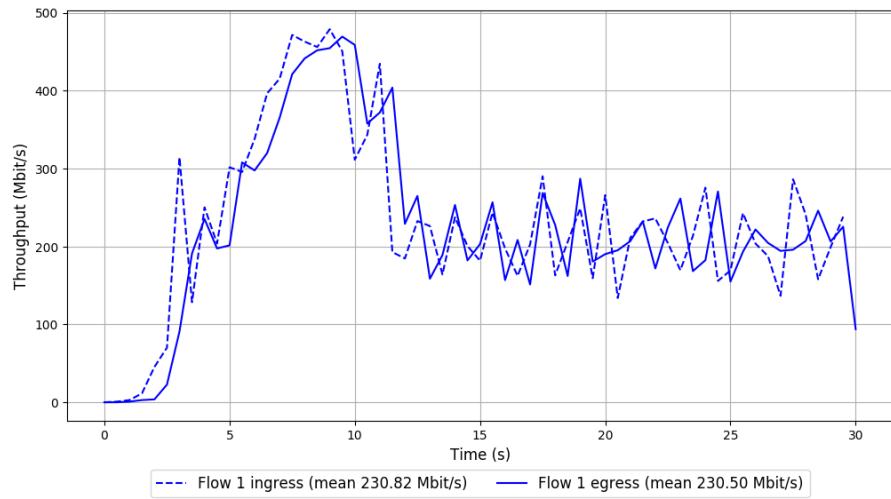


Run 3: Statistics of Verus

```
Start at: 2018-05-31 18:17:00
End at: 2018-05-31 18:17:30
Local clock offset: -0.193 ms
Remote clock offset: 0.4 ms

# Below is generated by plot.py at 2018-05-31 22:09:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.50 Mbit/s
95th percentile per-packet one-way delay: 183.185 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 230.50 Mbit/s
95th percentile per-packet one-way delay: 183.185 ms
Loss rate: 1.04%
```

Run 3: Report of Verus — Data Link

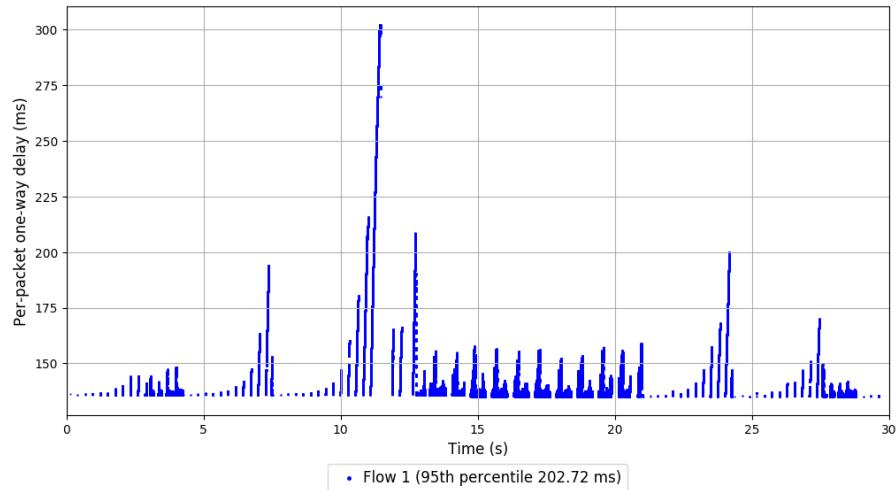
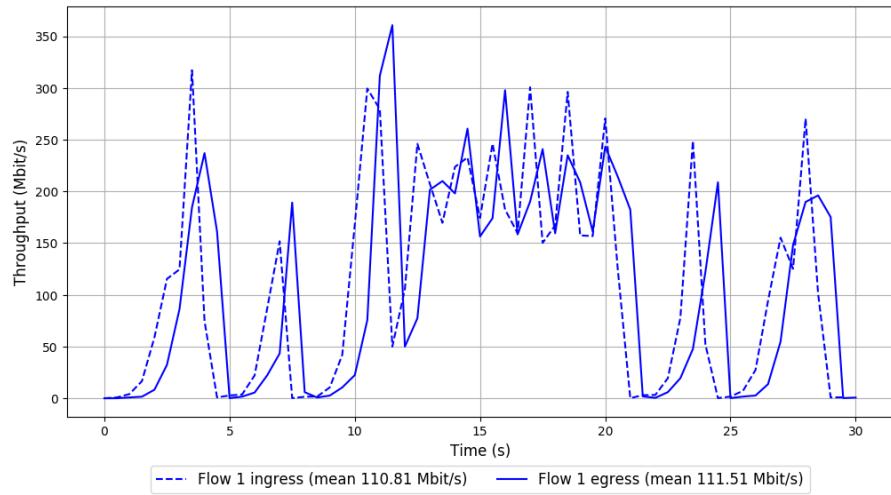


Run 4: Statistics of Verus

```
Start at: 2018-05-31 18:38:39
End at: 2018-05-31 18:39:10
Local clock offset: -0.047 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-31 22:09:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.51 Mbit/s
95th percentile per-packet one-way delay: 202.721 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 111.51 Mbit/s
95th percentile per-packet one-way delay: 202.721 ms
Loss rate: 0.29%
```

Run 4: Report of Verus — Data Link

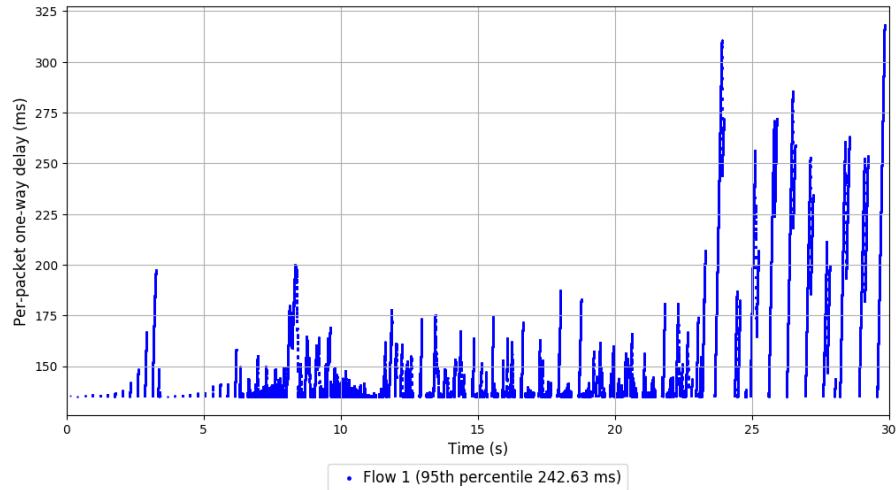
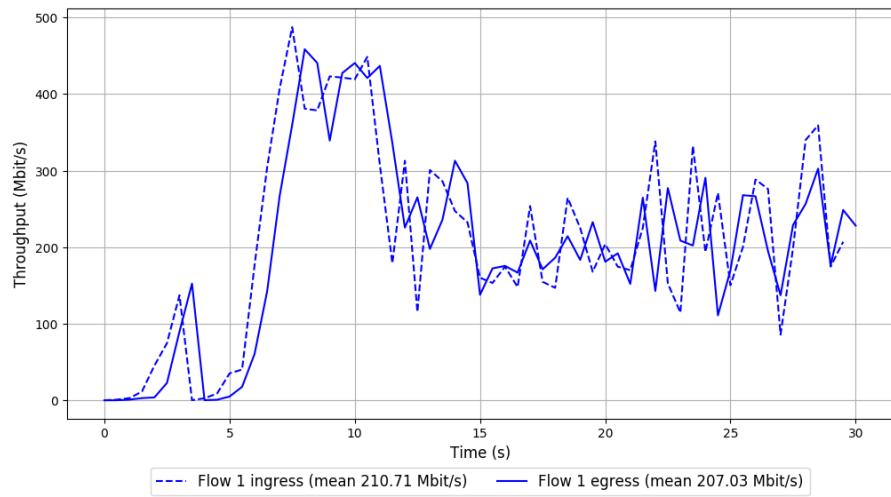


Run 5: Statistics of Verus

```
Start at: 2018-05-31 18:59:55
End at: 2018-05-31 19:00:25
Local clock offset: -0.555 ms
Remote clock offset: -0.384 ms

# Below is generated by plot.py at 2018-05-31 22:09:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.03 Mbit/s
95th percentile per-packet one-way delay: 242.629 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 207.03 Mbit/s
95th percentile per-packet one-way delay: 242.629 ms
Loss rate: 1.59%
```

Run 5: Report of Verus — Data Link

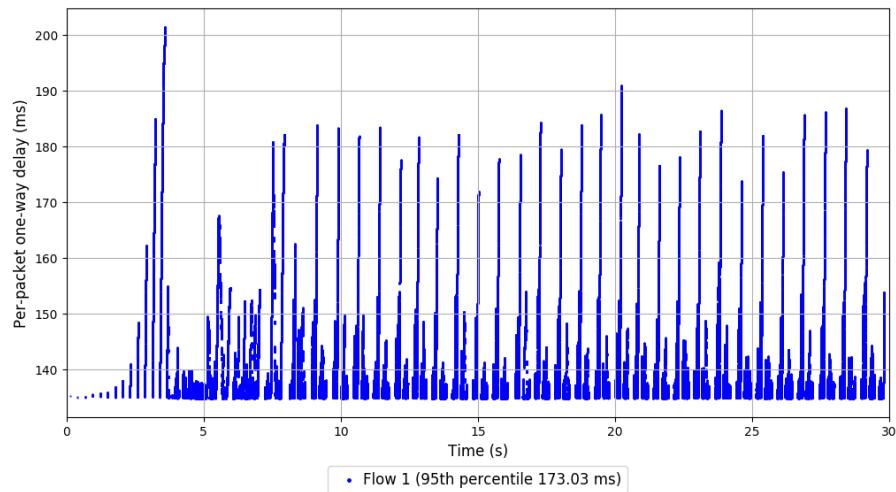
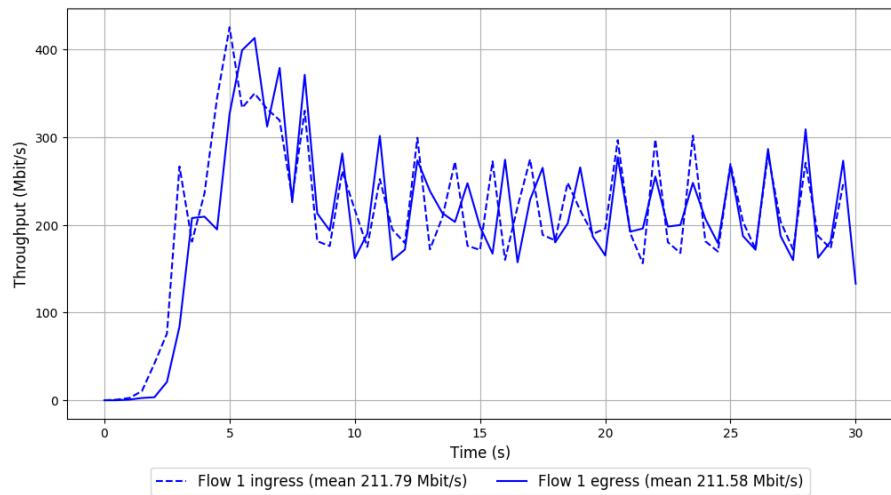


Run 6: Statistics of Verus

```
Start at: 2018-05-31 19:21:29
End at: 2018-05-31 19:21:59
Local clock offset: -0.178 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-05-31 22:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.58 Mbit/s
95th percentile per-packet one-way delay: 173.034 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 211.58 Mbit/s
95th percentile per-packet one-way delay: 173.034 ms
Loss rate: 1.01%
```

Run 6: Report of Verus — Data Link

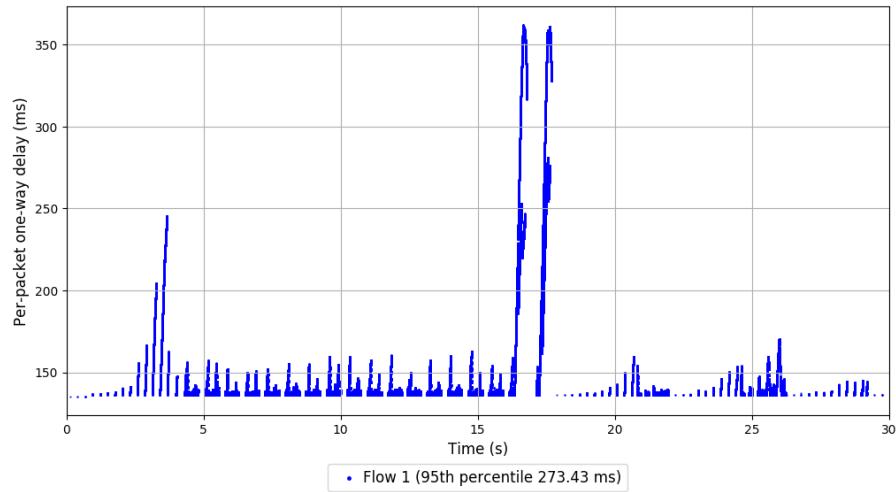
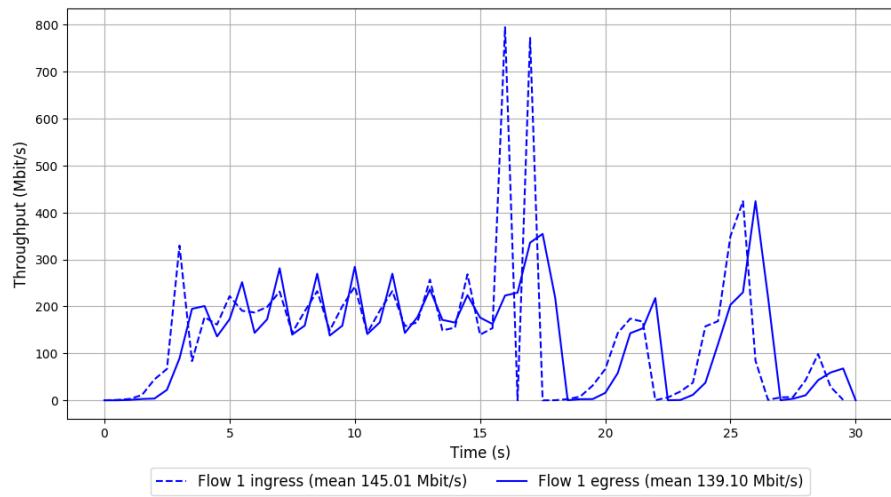


Run 7: Statistics of Verus

```
Start at: 2018-05-31 19:43:13
End at: 2018-05-31 19:43:43
Local clock offset: -0.127 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-05-31 22:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 139.10 Mbit/s
95th percentile per-packet one-way delay: 273.430 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 139.10 Mbit/s
95th percentile per-packet one-way delay: 273.430 ms
Loss rate: 4.95%
```

Run 7: Report of Verus — Data Link

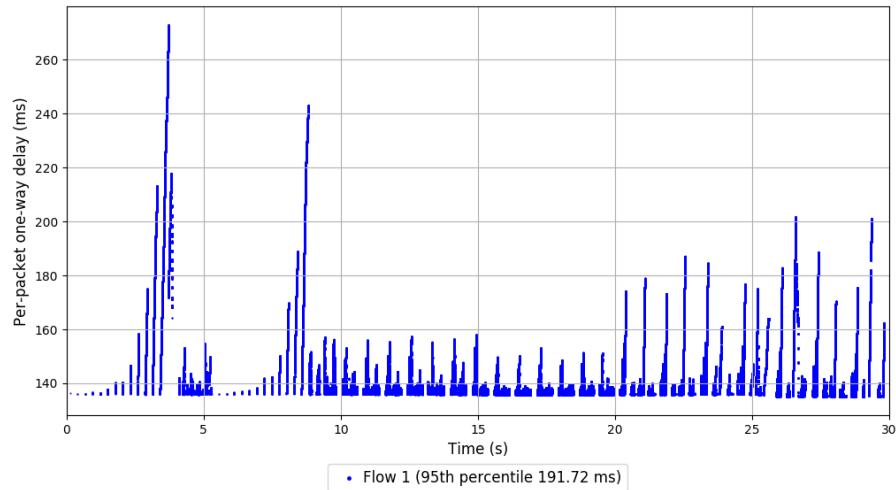
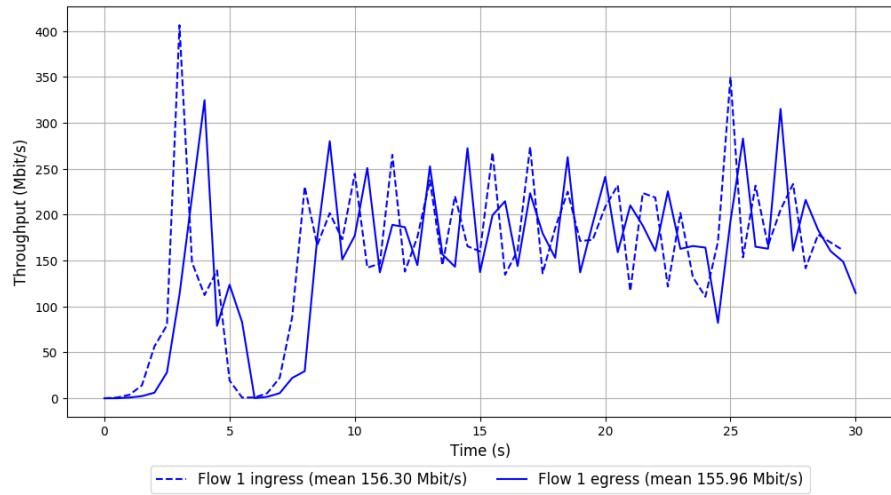


Run 8: Statistics of Verus

```
Start at: 2018-05-31 20:04:18
End at: 2018-05-31 20:04:48
Local clock offset: -0.356 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-31 22:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.96 Mbit/s
95th percentile per-packet one-way delay: 191.720 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 155.96 Mbit/s
95th percentile per-packet one-way delay: 191.720 ms
Loss rate: 1.13%
```

Run 8: Report of Verus — Data Link

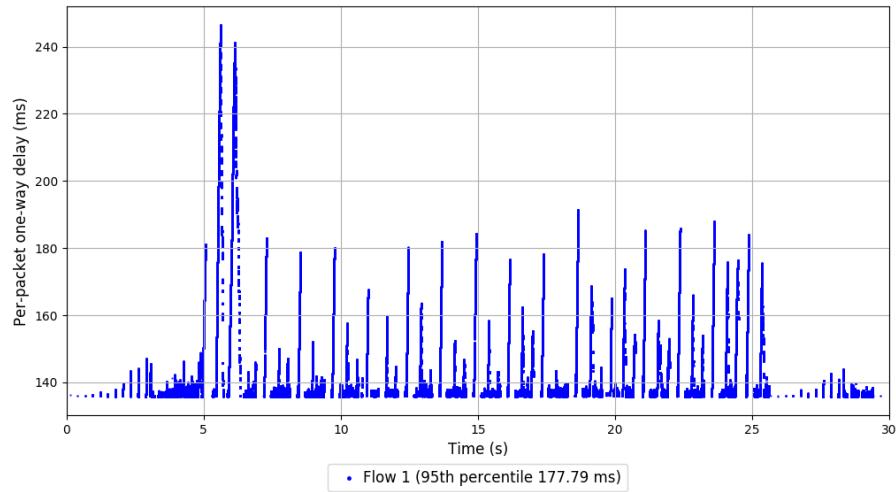
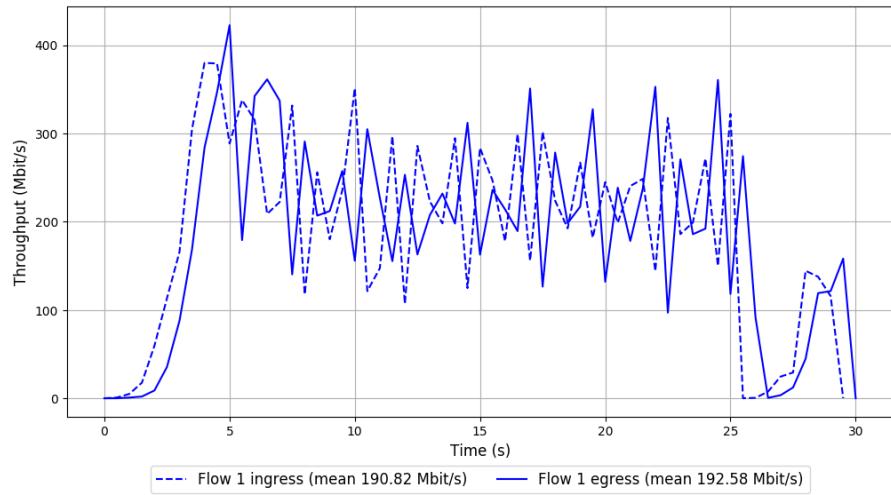


Run 9: Statistics of Verus

```
Start at: 2018-05-31 20:25:34
End at: 2018-05-31 20:26:04
Local clock offset: -0.273 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-31 22:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.58 Mbit/s
95th percentile per-packet one-way delay: 177.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.58 Mbit/s
95th percentile per-packet one-way delay: 177.788 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

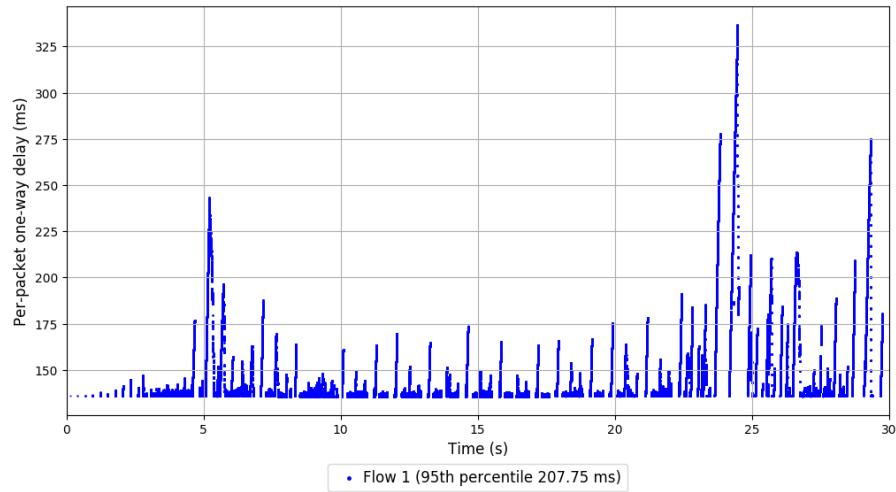
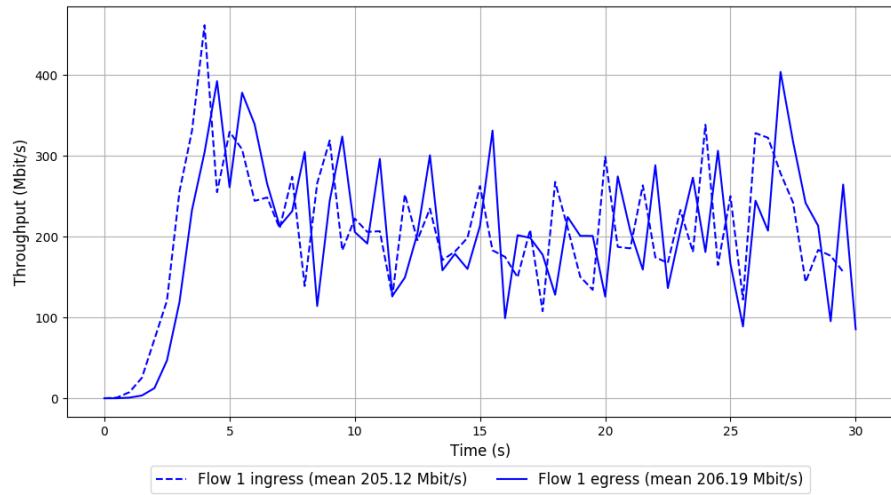


Run 10: Statistics of Verus

```
Start at: 2018-05-31 20:47:16
End at: 2018-05-31 20:47:47
Local clock offset: -0.419 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-05-31 22:11:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.19 Mbit/s
95th percentile per-packet one-way delay: 207.750 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 206.19 Mbit/s
95th percentile per-packet one-way delay: 207.750 ms
Loss rate: 0.58%
```

Run 10: Report of Verus — Data Link

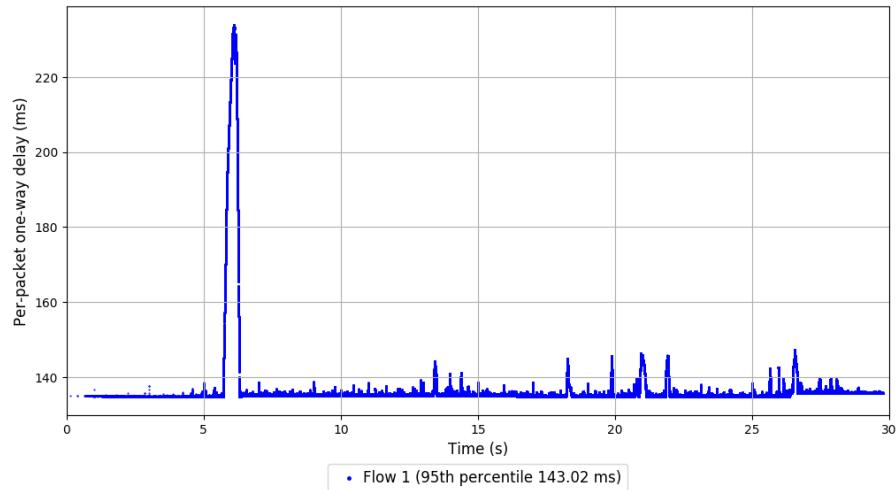
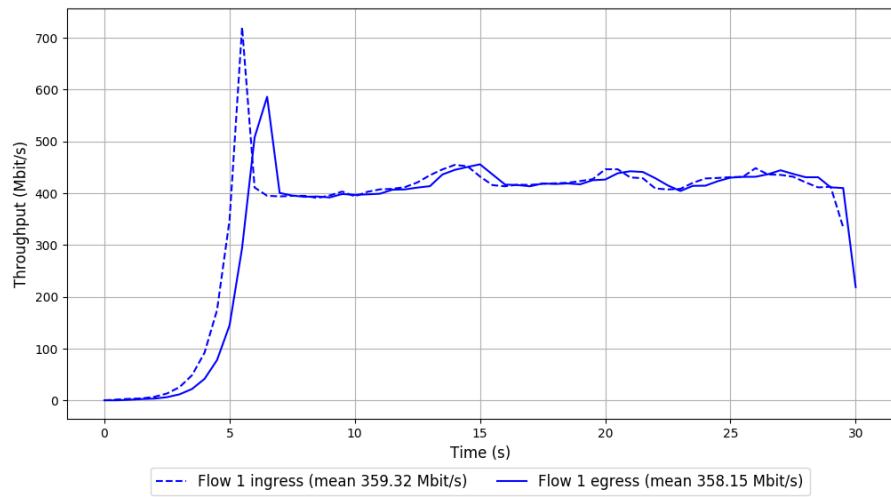


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-31 17:20:58
End at: 2018-05-31 17:21:28
Local clock offset: -0.281 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-05-31 22:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 358.15 Mbit/s
95th percentile per-packet one-way delay: 143.024 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 358.15 Mbit/s
95th percentile per-packet one-way delay: 143.024 ms
Loss rate: 1.23%
```

Run 1: Report of PCC-Vivace — Data Link

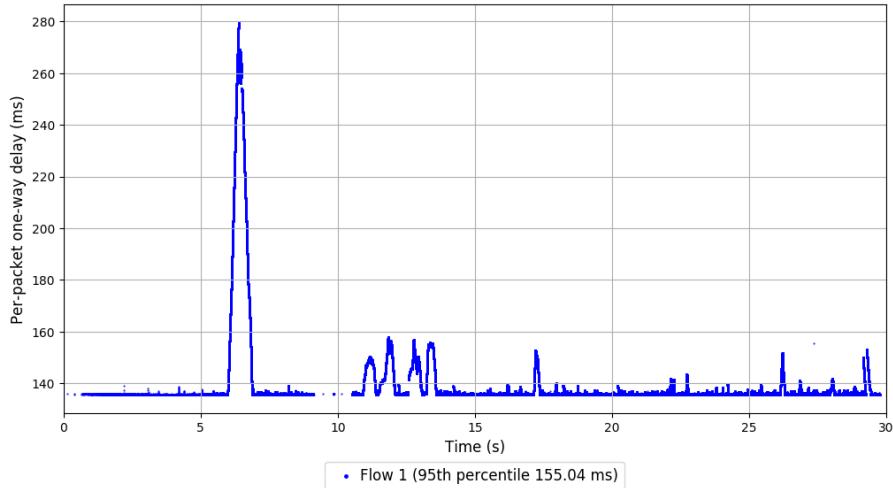
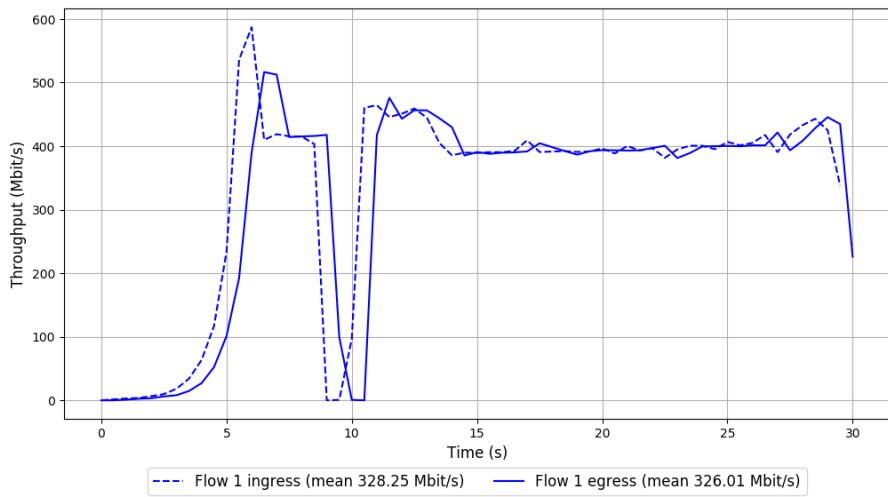


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-31 17:42:38
End at: 2018-05-31 17:43:09
Local clock offset: -0.303 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-05-31 22:15:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 326.01 Mbit/s
95th percentile per-packet one-way delay: 155.038 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 326.01 Mbit/s
95th percentile per-packet one-way delay: 155.038 ms
Loss rate: 1.59%
```

Run 2: Report of PCC-Vivace — Data Link

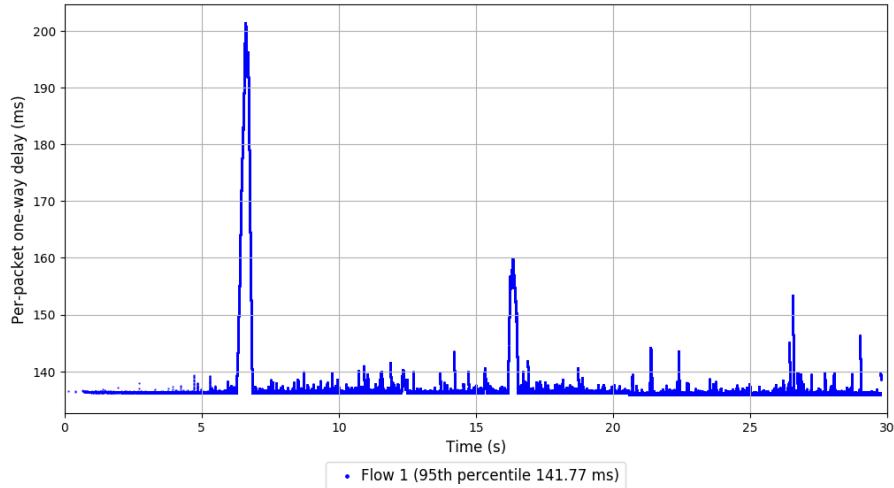
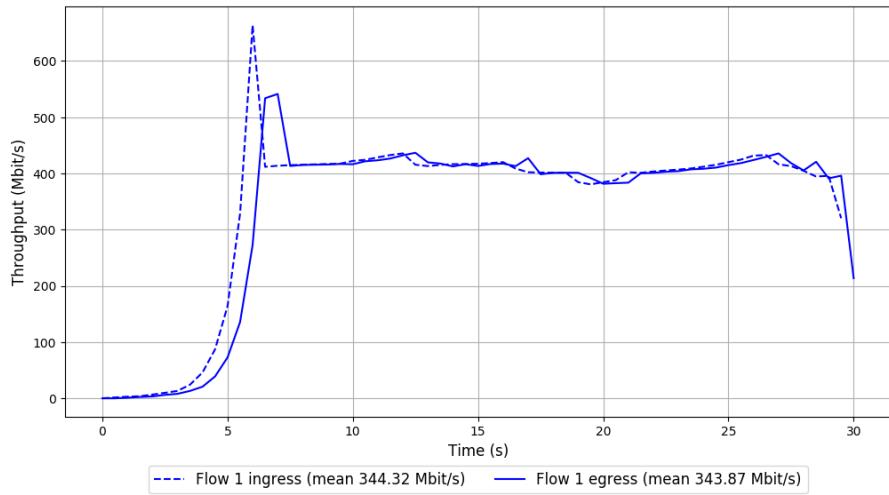


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-31 18:03:52
End at: 2018-05-31 18:04:22
Local clock offset: -0.054 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-05-31 22:15:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.87 Mbit/s
95th percentile per-packet one-way delay: 141.769 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 343.87 Mbit/s
95th percentile per-packet one-way delay: 141.769 ms
Loss rate: 1.04%
```

Run 3: Report of PCC-Vivace — Data Link

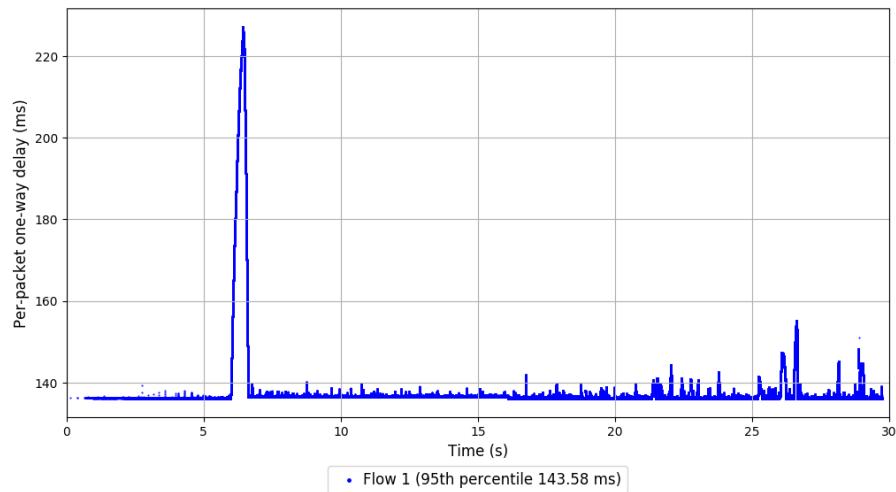
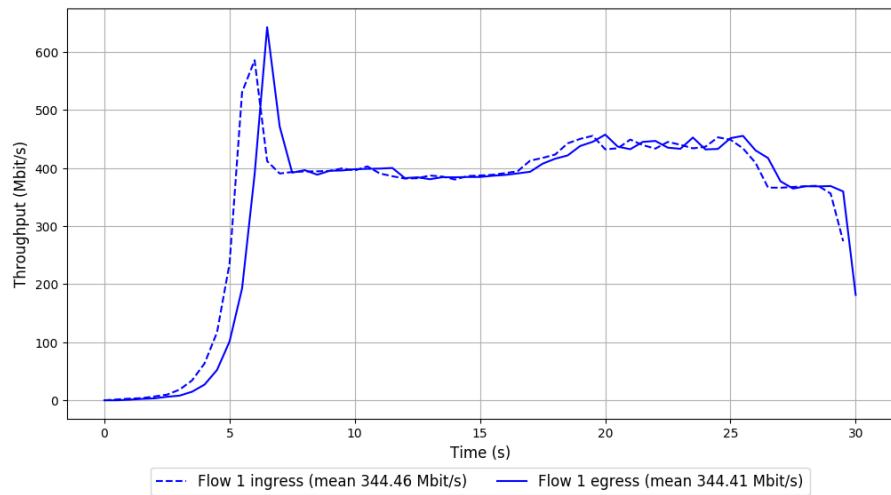


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-31 18:25:38
End at: 2018-05-31 18:26:08
Local clock offset: 0.205 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-05-31 22:15:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 344.41 Mbit/s
95th percentile per-packet one-way delay: 143.583 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 344.41 Mbit/s
95th percentile per-packet one-way delay: 143.583 ms
Loss rate: 0.92%
```

Run 4: Report of PCC-Vivace — Data Link

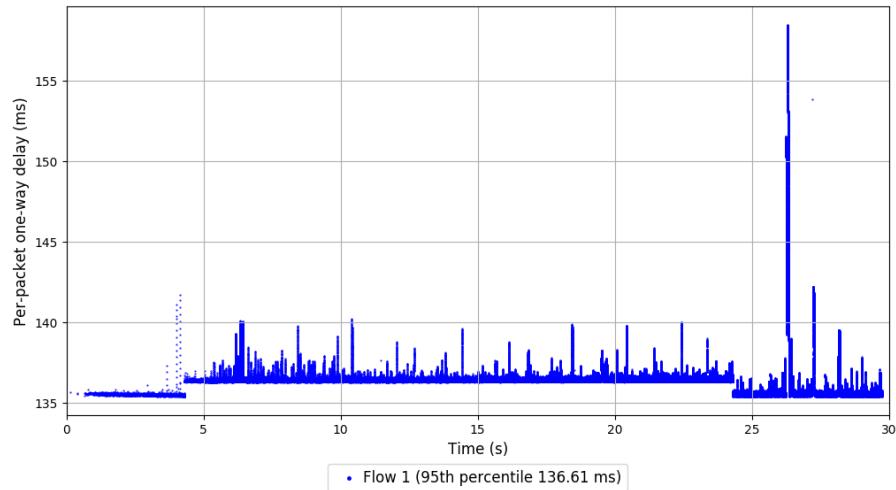
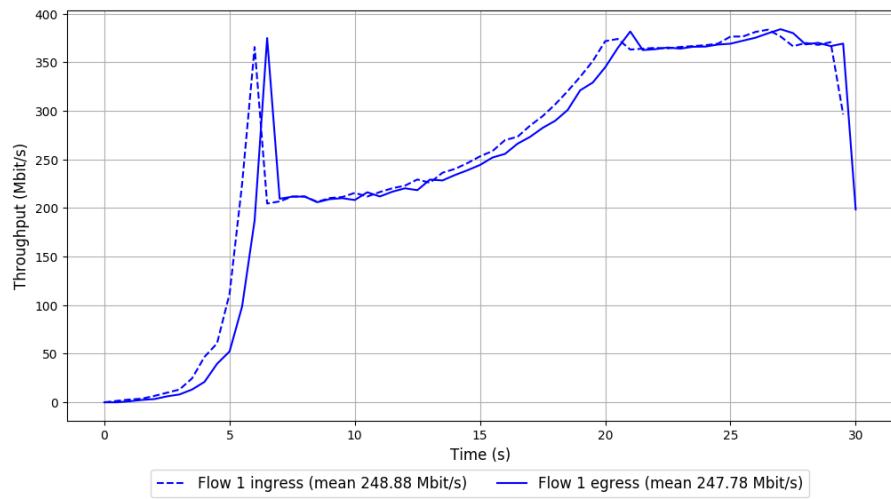


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-31 18:46:58
End at: 2018-05-31 18:47:28
Local clock offset: 0.063 ms
Remote clock offset: -0.376 ms

# Below is generated by plot.py at 2018-05-31 22:15:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 247.78 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 247.78 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 1.35%
```

Run 5: Report of PCC-Vivace — Data Link

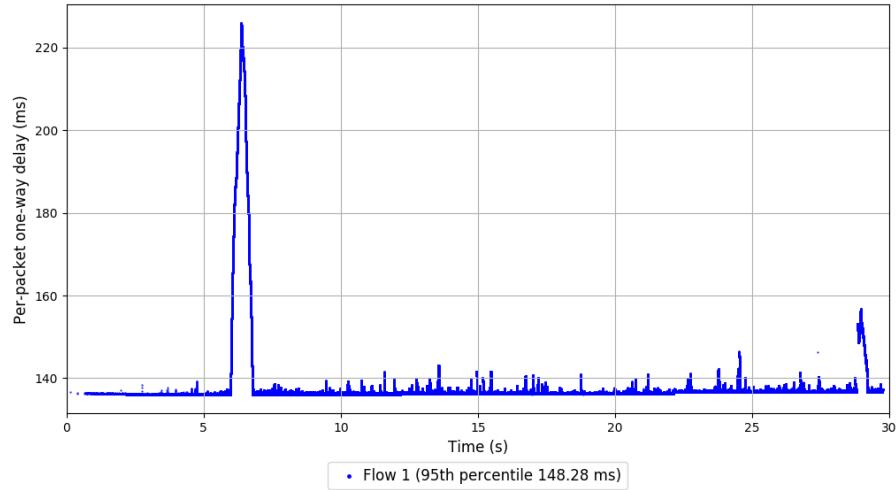
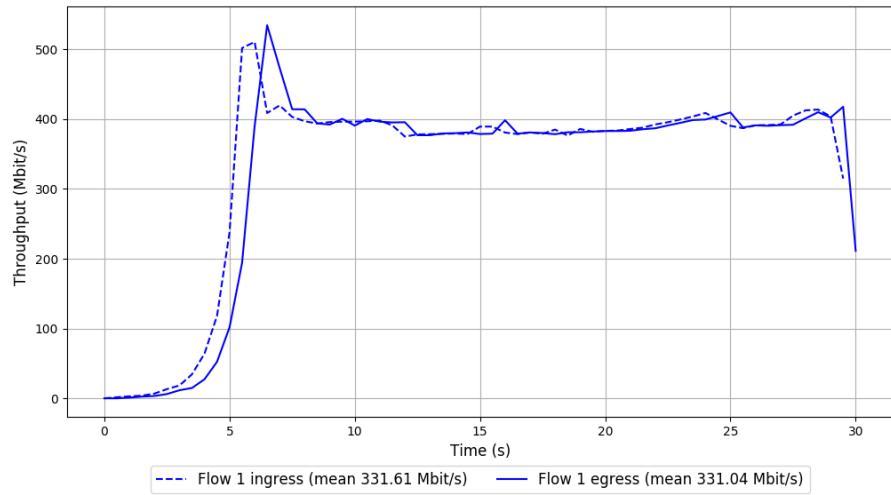


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-31 19:08:32
End at: 2018-05-31 19:09:02
Local clock offset: -0.136 ms
Remote clock offset: -0.382 ms

# Below is generated by plot.py at 2018-05-31 22:16:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 331.04 Mbit/s
95th percentile per-packet one-way delay: 148.276 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 331.04 Mbit/s
95th percentile per-packet one-way delay: 148.276 ms
Loss rate: 1.08%
```

Run 6: Report of PCC-Vivace — Data Link

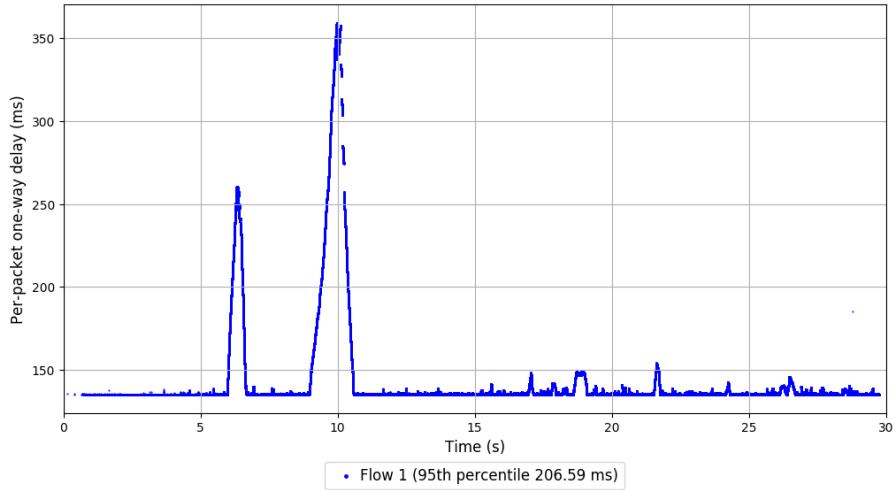
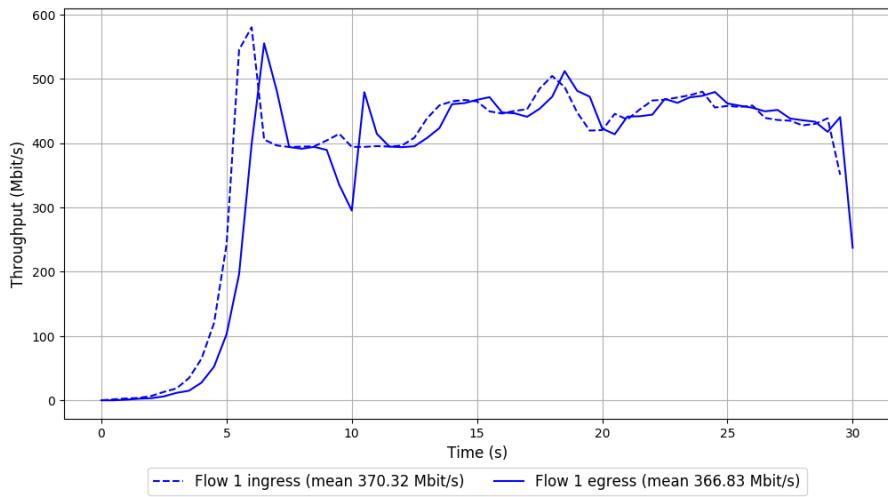


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-31 19:30:07
End at: 2018-05-31 19:30:37
Local clock offset: -0.239 ms
Remote clock offset: -0.339 ms

# Below is generated by plot.py at 2018-05-31 22:16:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.83 Mbit/s
95th percentile per-packet one-way delay: 206.595 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 366.83 Mbit/s
95th percentile per-packet one-way delay: 206.595 ms
Loss rate: 1.85%
```

Run 7: Report of PCC-Vivace — Data Link

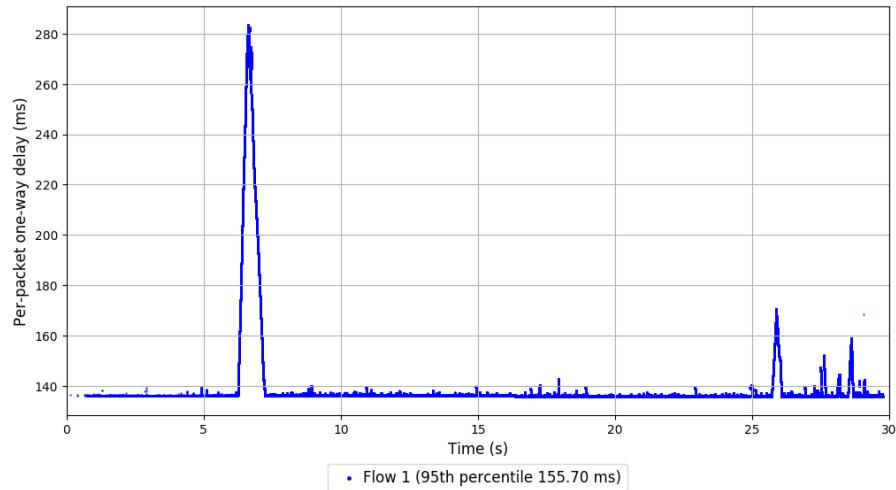
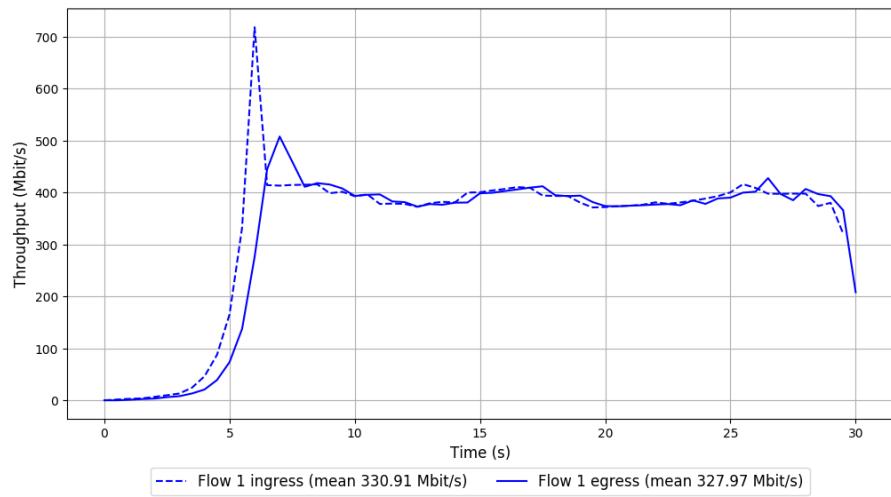


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-31 19:51:18
End at: 2018-05-31 19:51:48
Local clock offset: -0.352 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-05-31 22:16:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.97 Mbit/s
95th percentile per-packet one-way delay: 155.699 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 327.97 Mbit/s
95th percentile per-packet one-way delay: 155.699 ms
Loss rate: 1.79%
```

Run 8: Report of PCC-Vivace — Data Link

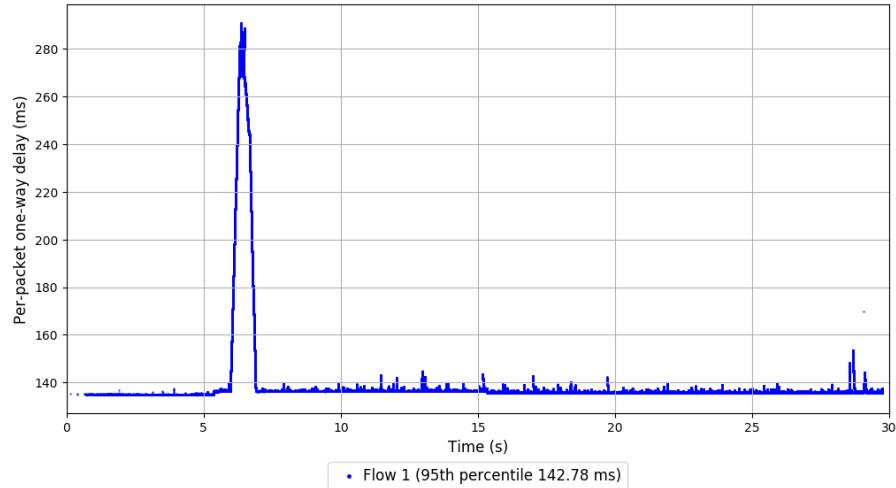
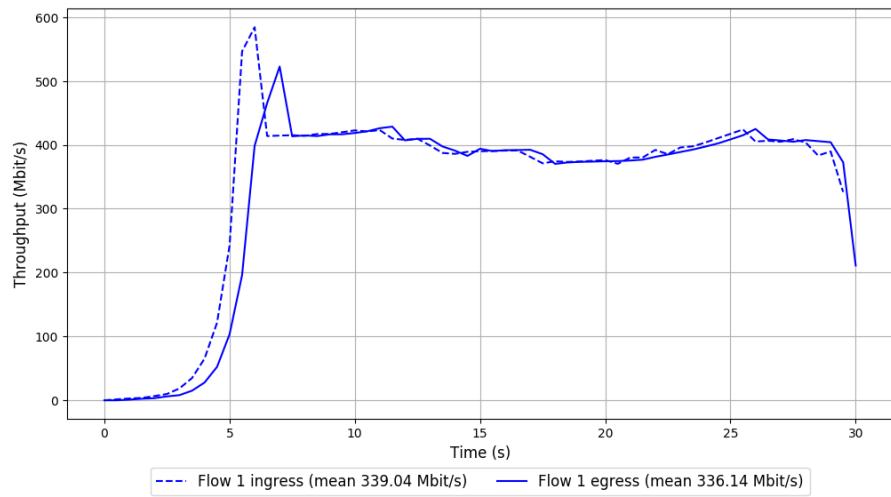


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-31 20:12:29
End at: 2018-05-31 20:12:59
Local clock offset: -0.285 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-05-31 22:17:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 336.14 Mbit/s
95th percentile per-packet one-way delay: 142.781 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 336.14 Mbit/s
95th percentile per-packet one-way delay: 142.781 ms
Loss rate: 1.76%
```

Run 9: Report of PCC-Vivace — Data Link

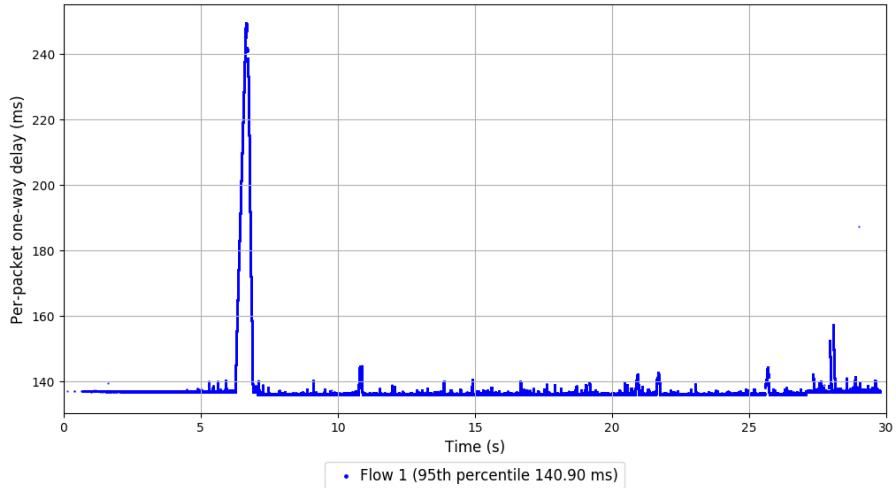
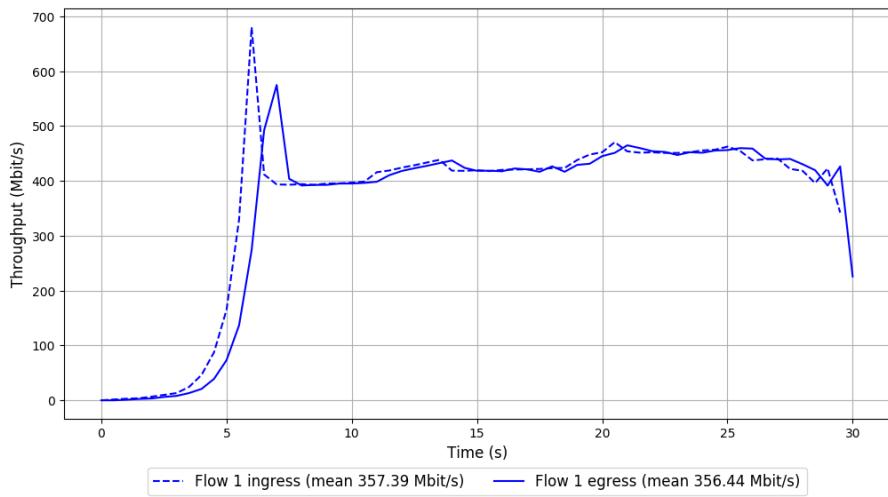


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-31 20:34:07
End at: 2018-05-31 20:34:37
Local clock offset: -0.438 ms
Remote clock offset: -0.411 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.44 Mbit/s
95th percentile per-packet one-way delay: 140.904 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 356.44 Mbit/s
95th percentile per-packet one-way delay: 140.904 ms
Loss rate: 1.18%
```

Run 10: Report of PCC-Vivace — Data Link

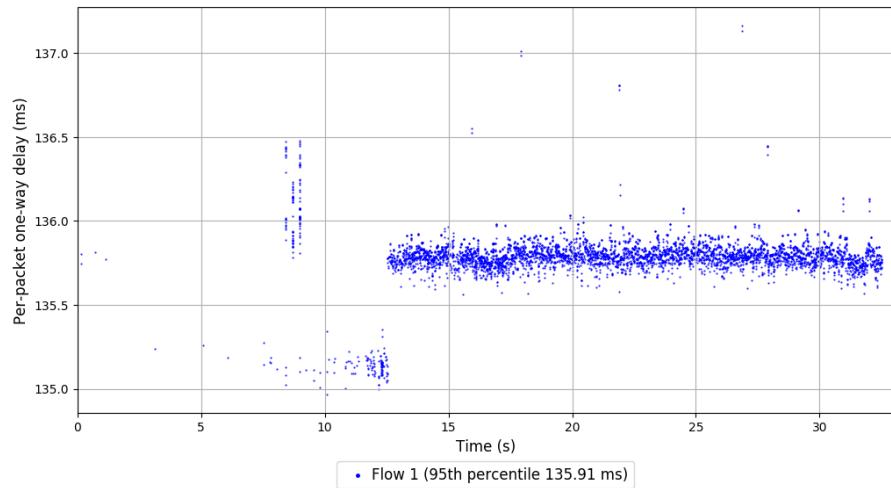
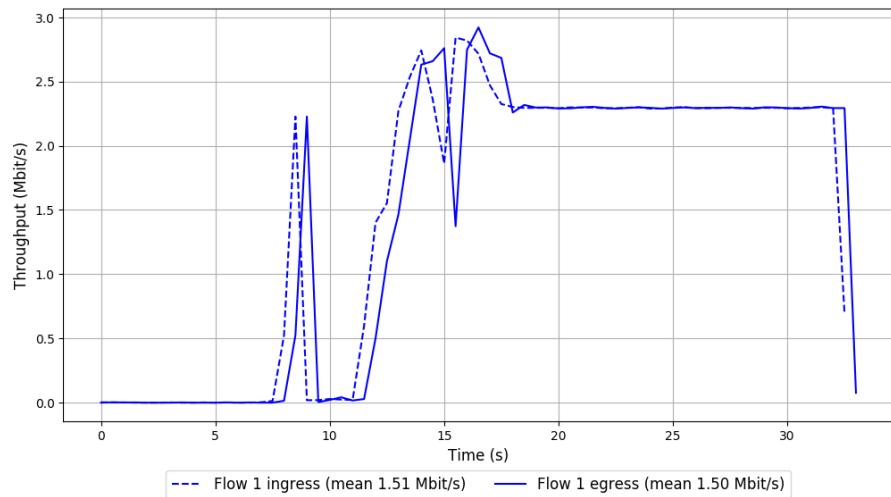


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2018-05-31 17:23:43
End at: 2018-05-31 17:24:13
Local clock offset: -0.144 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 135.908 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 135.908 ms
Loss rate: 1.25%
```

Run 1: Report of WebRTC media — Data Link

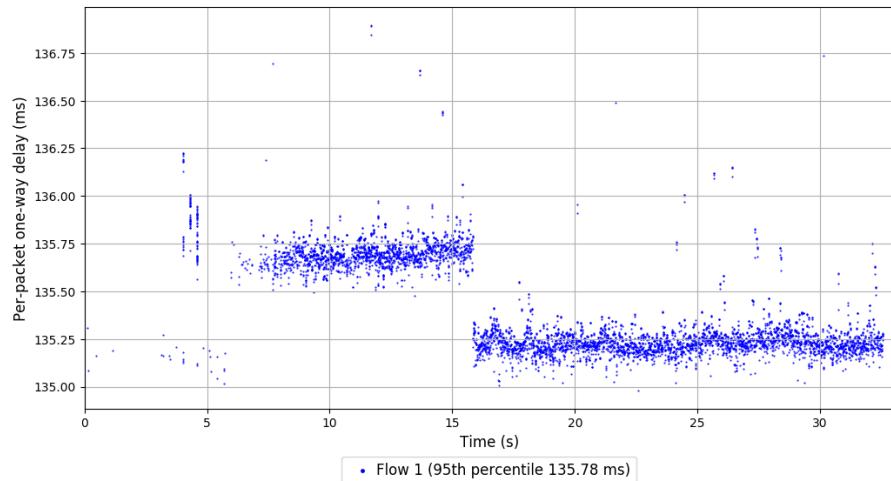
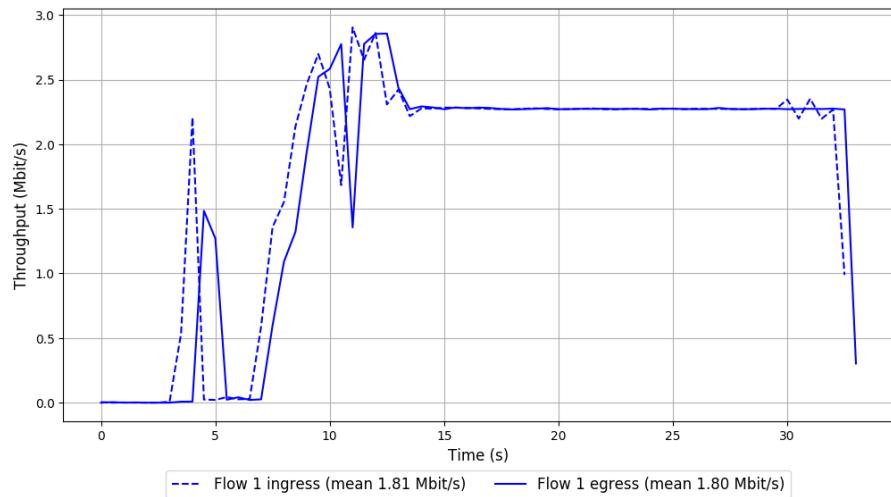


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-31 17:45:21
End at: 2018-05-31 17:45:51
Local clock offset: -0.464 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 135.776 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 135.776 ms
Loss rate: 1.09%
```

Run 2: Report of WebRTC media — Data Link

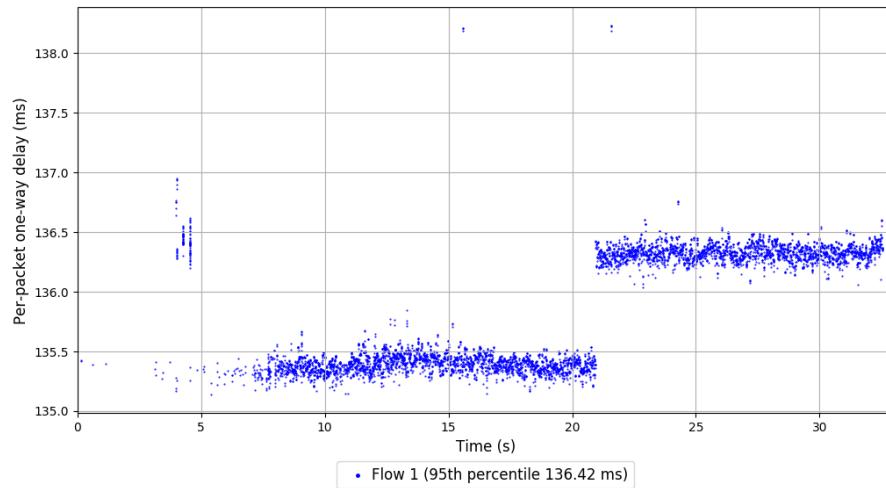
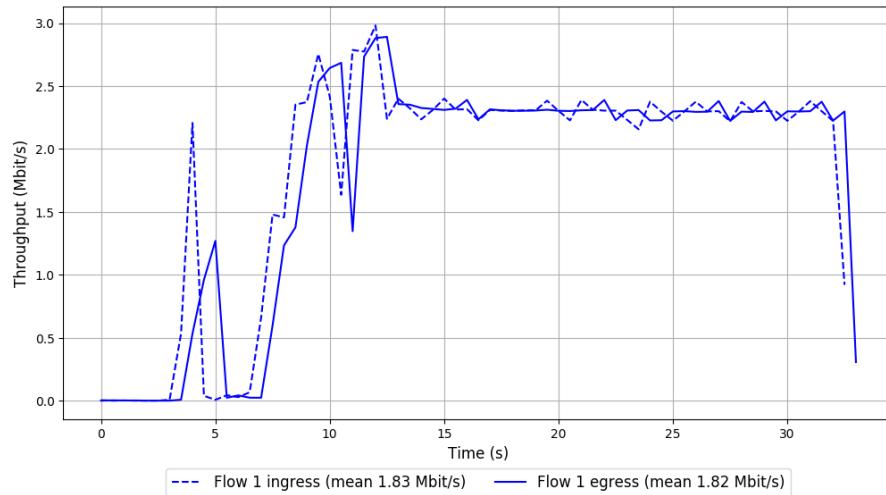


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-31 18:06:36
End at: 2018-05-31 18:07:06
Local clock offset: 0.161 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.416 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.416 ms
Loss rate: 1.03%
```

Run 3: Report of WebRTC media — Data Link

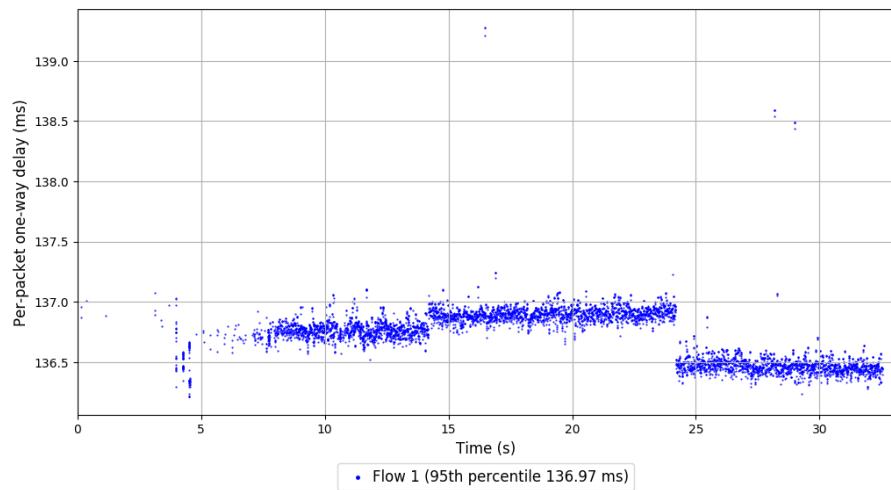
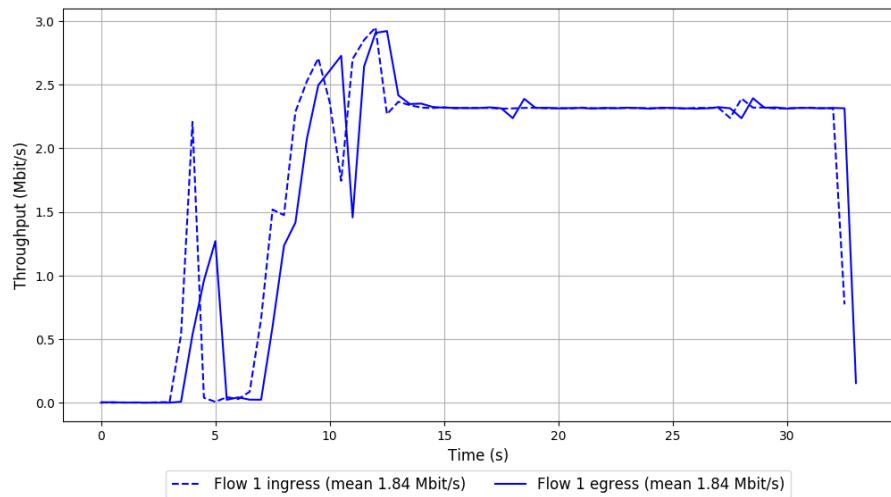


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-31 18:28:23
End at: 2018-05-31 18:28:53
Local clock offset: 0.306 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.965 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.965 ms
Loss rate: 1.03%
```

Run 4: Report of WebRTC media — Data Link

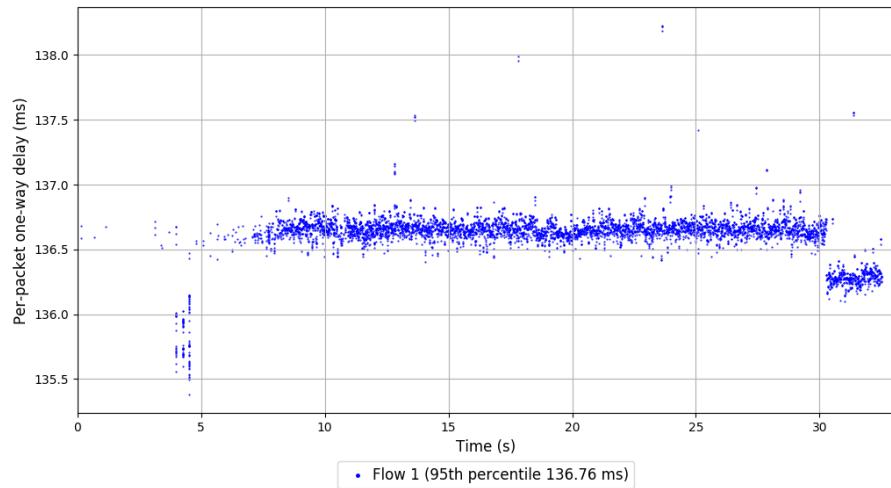
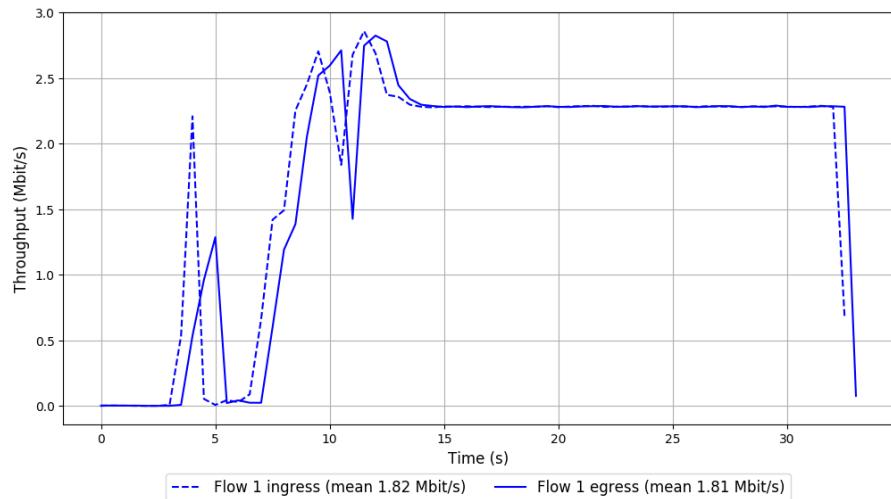


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-31 18:49:35
End at: 2018-05-31 18:50:05
Local clock offset: -0.076 ms
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.761 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.761 ms
Loss rate: 1.03%
```

Run 5: Report of WebRTC media — Data Link

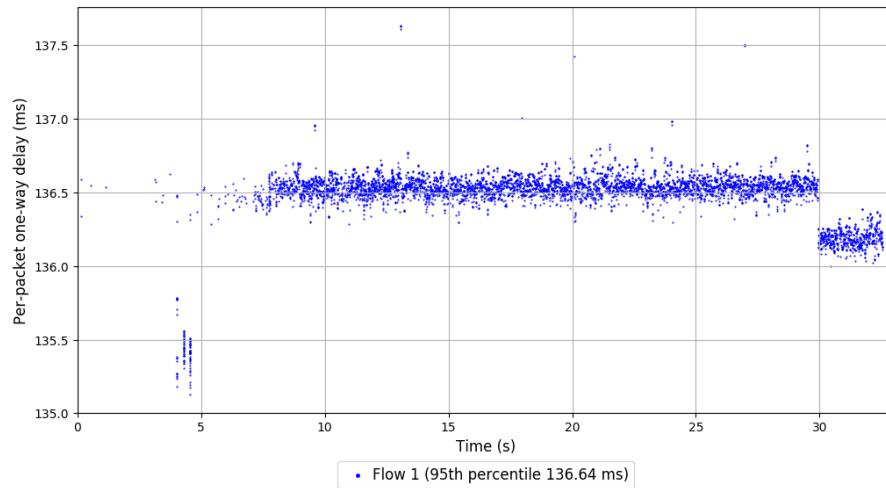
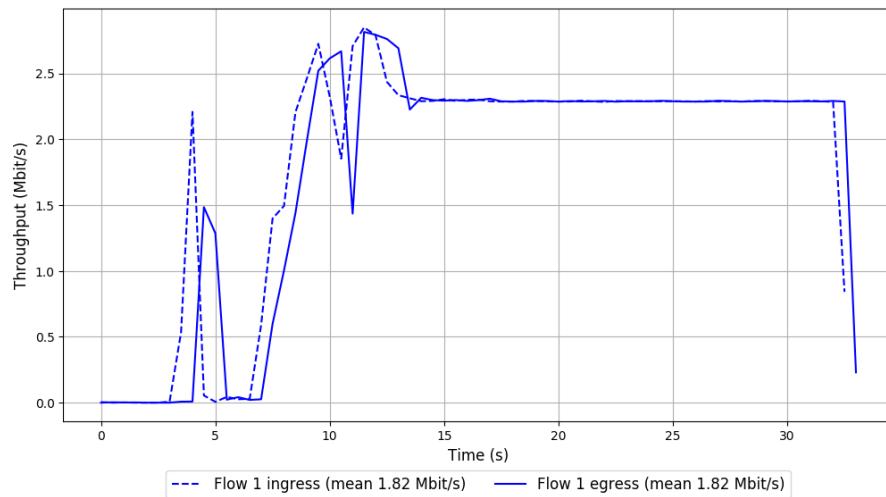


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-31 19:11:15
End at: 2018-05-31 19:11:45
Local clock offset: -0.08 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.640 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.640 ms
Loss rate: 1.03%
```

Run 6: Report of WebRTC media — Data Link

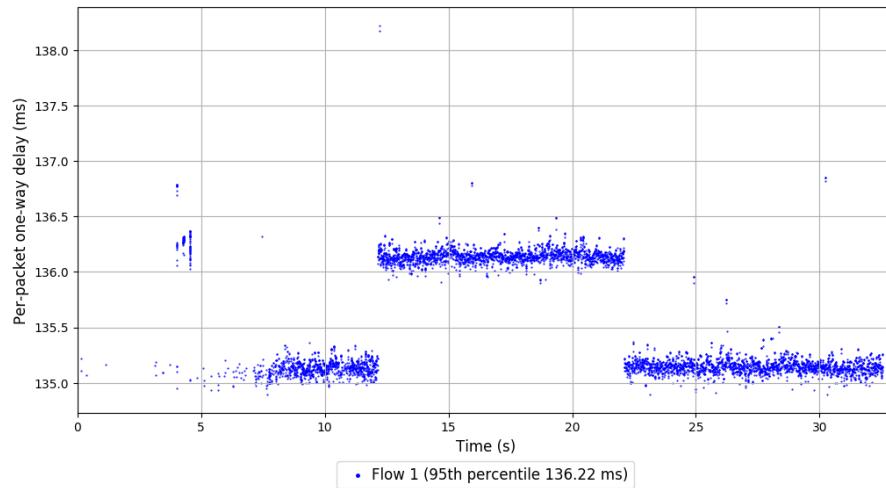
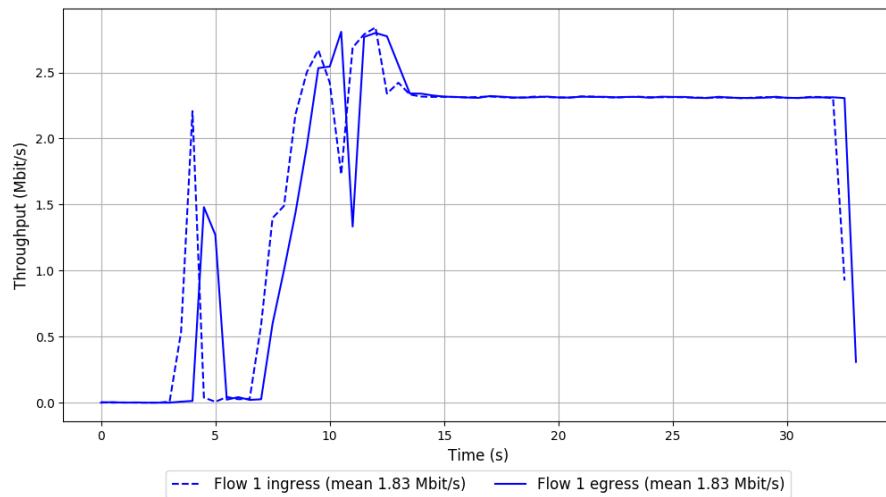


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-31 19:32:53
End at: 2018-05-31 19:33:23
Local clock offset: -0.177 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.217 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.217 ms
Loss rate: 1.03%
```

Run 7: Report of WebRTC media — Data Link

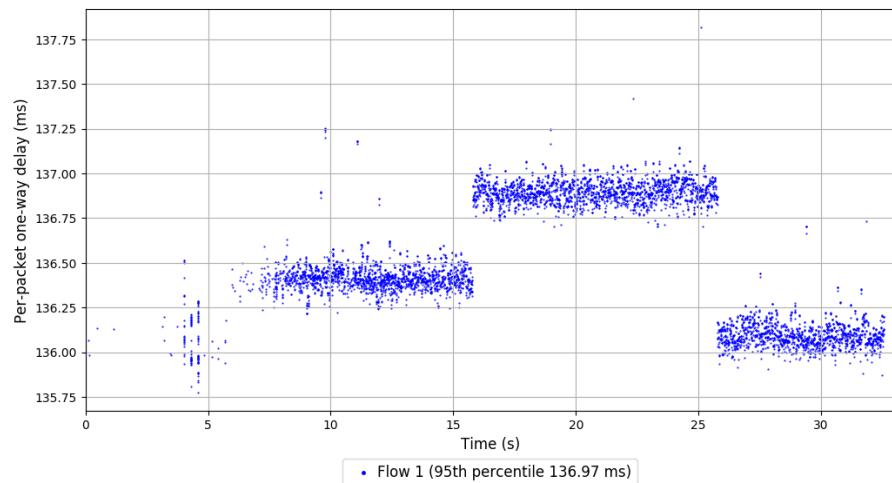
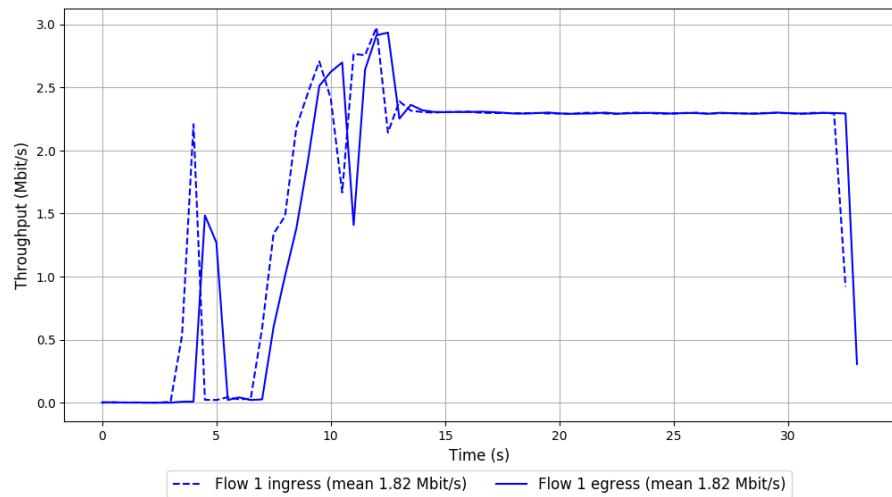


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-31 19:54:01
End at: 2018-05-31 19:54:31
Local clock offset: -0.254 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.966 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.966 ms
Loss rate: 1.03%
```

Run 8: Report of WebRTC media — Data Link

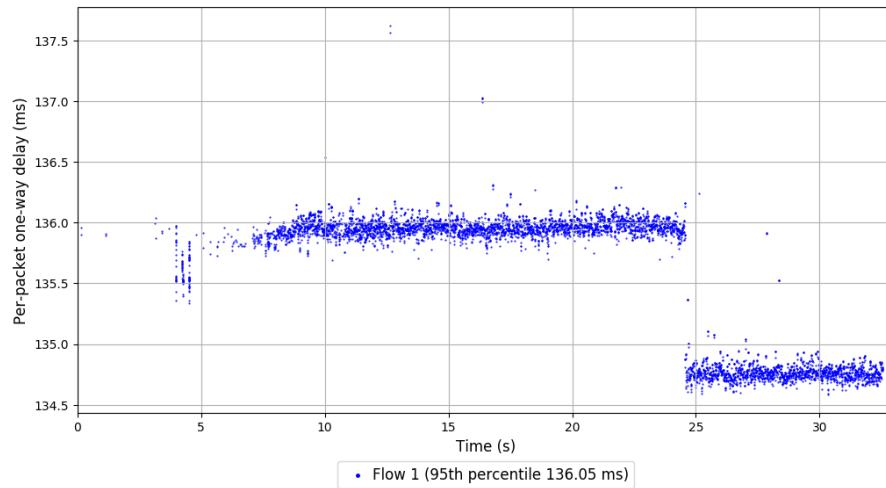
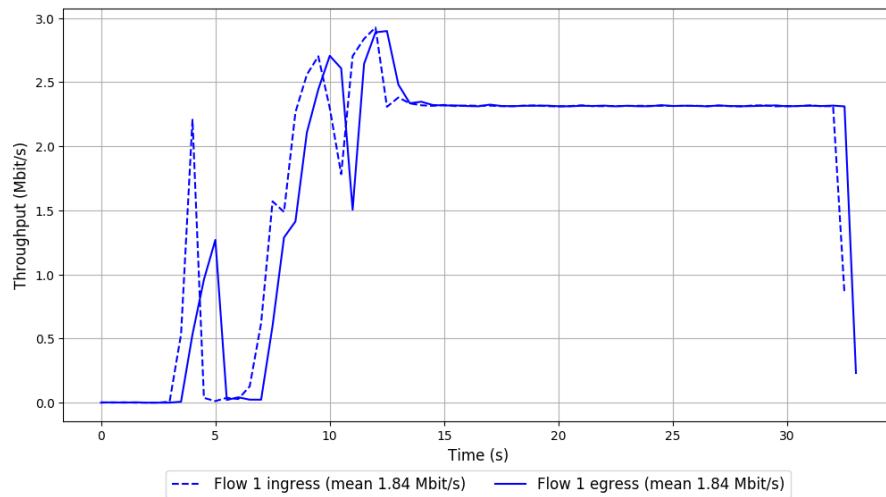


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-31 20:15:12
End at: 2018-05-31 20:15:42
Local clock offset: -0.696 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.054 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.054 ms
Loss rate: 1.03%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-31 20:36:52
End at: 2018-05-31 20:37:22
Local clock offset: -0.231 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-05-31 22:17:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.121 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.121 ms
Loss rate: 1.03%
```

Run 10: Report of WebRTC media — Data Link

