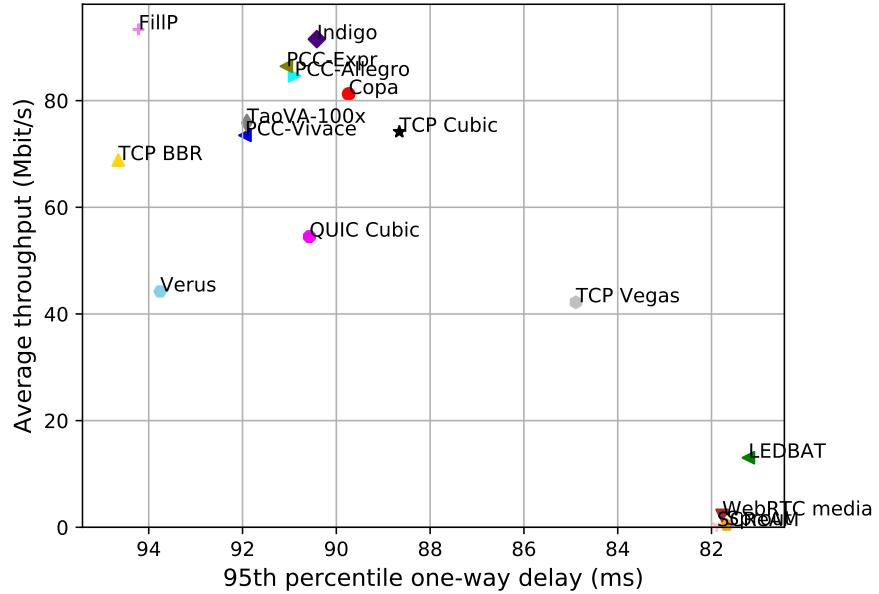


Pantheon Report

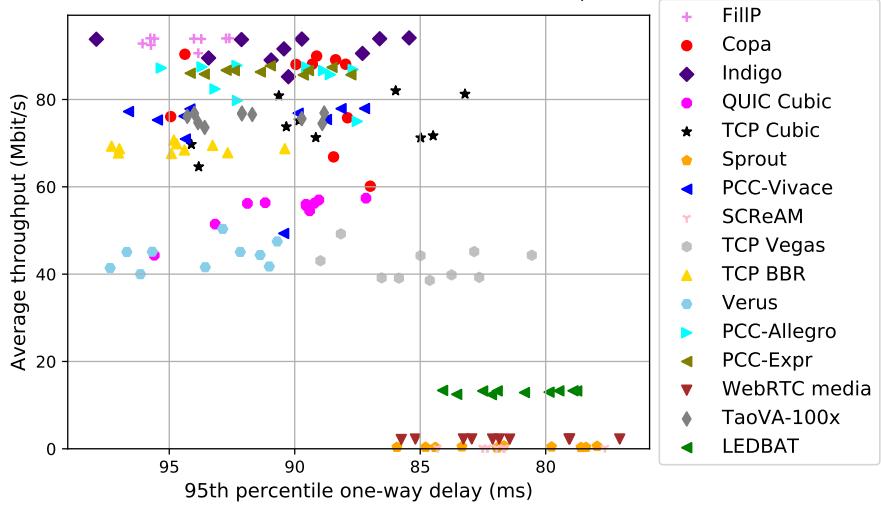
Generated at 2018-06-05 22:56:58 (UTC).
Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

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

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



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



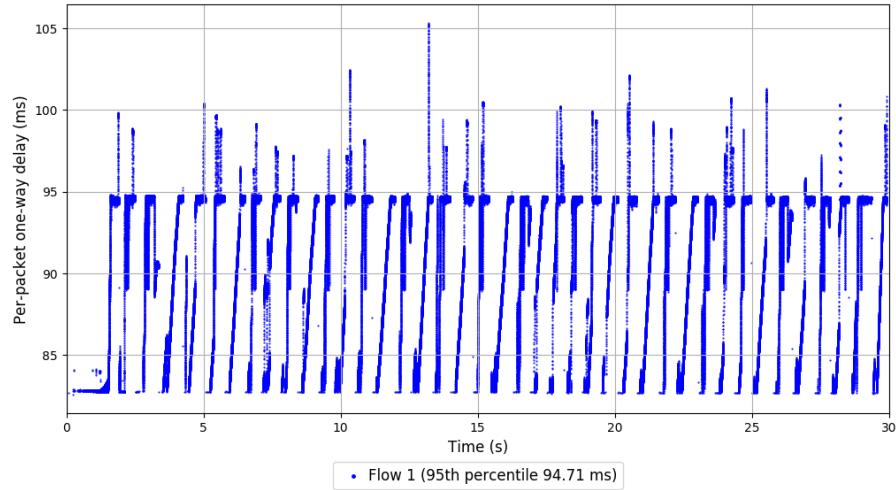
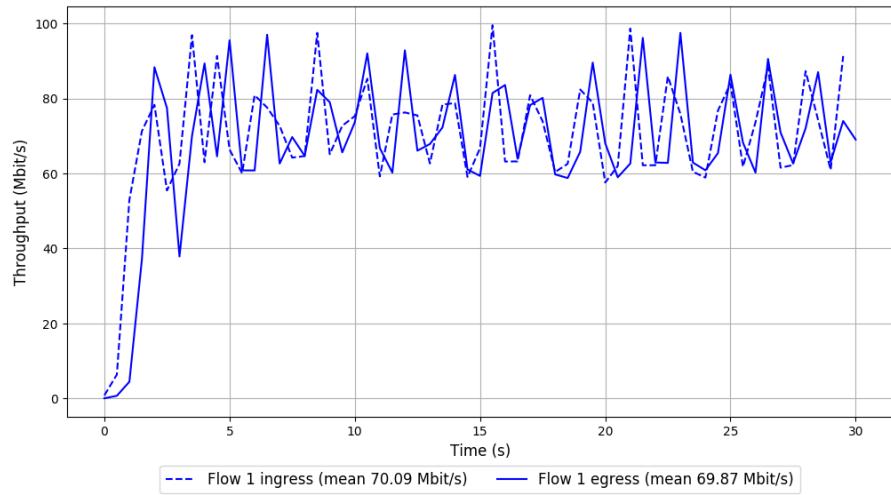
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	68.85	94.65	0.80
Copa	10	81.25	89.74	0.56
TCP Cubic	10	74.15	88.66	0.55
FillP	10	93.36	94.22	0.59
Indigo	10	91.53	90.42	1.44
LEDBAT	10	13.04	81.21	1.07
PCC-Allegro	10	84.63	90.89	0.67
PCC-Expr	10	86.44	91.07	0.80
QUIC Cubic	10	54.51	90.57	0.88
SCReAM	10	0.22	81.88	0.52
Sprout	10	0.43	81.68	0.44
TaoVA-100x	10	75.84	91.91	0.56
TCP Vegas	10	42.19	84.89	0.59
Verus	10	44.22	93.76	0.31
PCC-Vivace	10	73.49	91.95	0.65
WebRTC media	10	2.23	81.77	0.29

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-05 19:34:00
End at: 2018-06-05 19:34:30
Local clock offset: -0.955 ms
Remote clock offset: 12.184 ms

# Below is generated by plot.py at 2018-06-05 22:39:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.87 Mbit/s
95th percentile per-packet one-way delay: 94.706 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 69.87 Mbit/s
95th percentile per-packet one-way delay: 94.706 ms
Loss rate: 0.83%
```

Run 1: Report of TCP BBR — Data Link

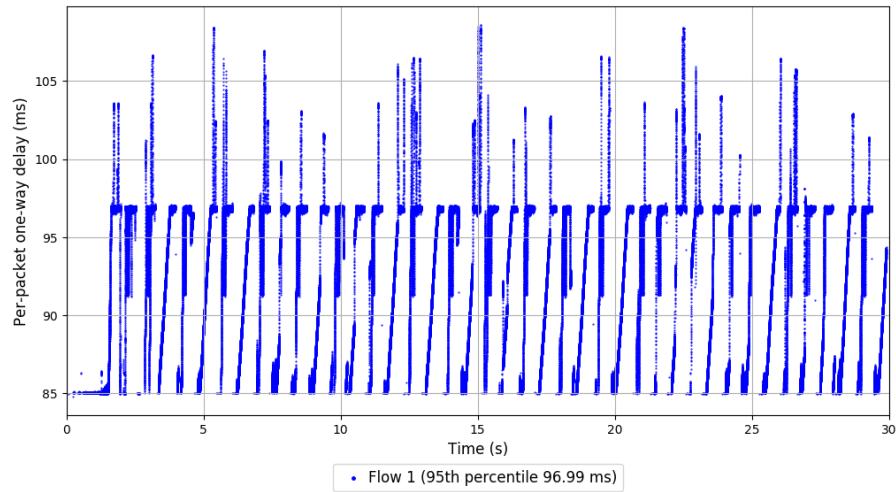
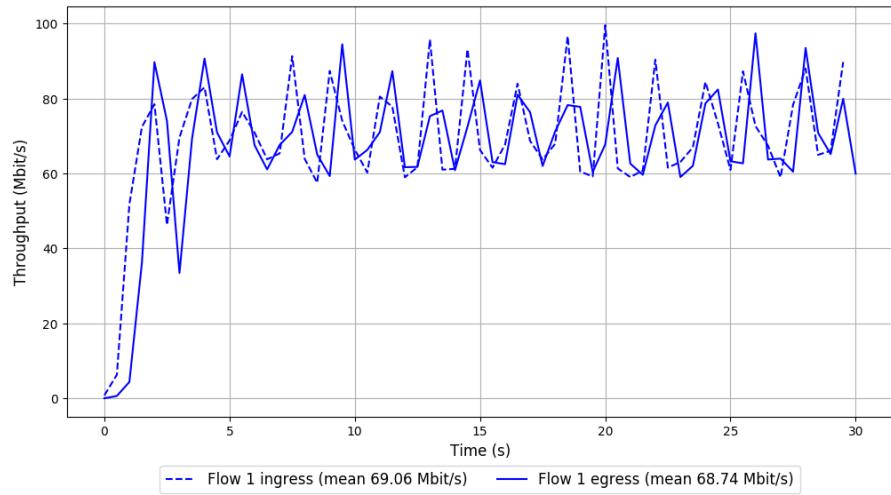


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-05 19:52:38
End at: 2018-06-05 19:53:08
Local clock offset: -1.747 ms
Remote clock offset: 9.852 ms

# Below is generated by plot.py at 2018-06-05 22:39:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 96.986 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 96.986 ms
Loss rate: 1.01%
```

Run 2: Report of TCP BBR — Data Link

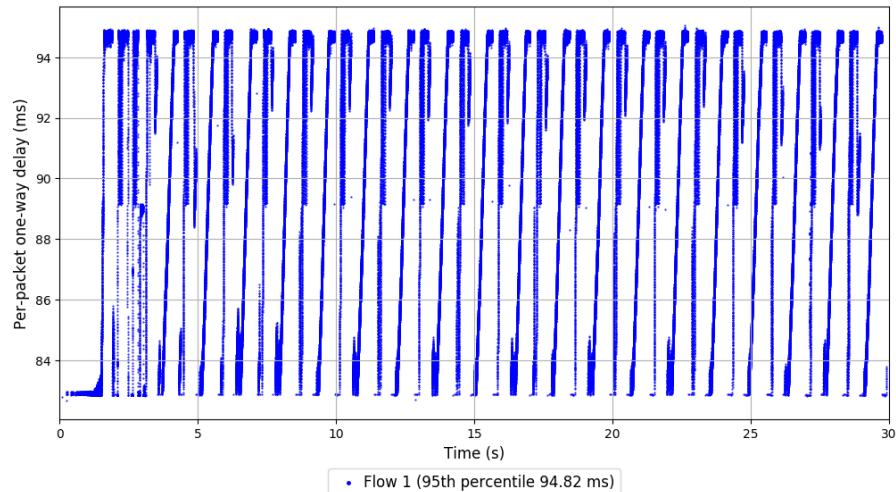
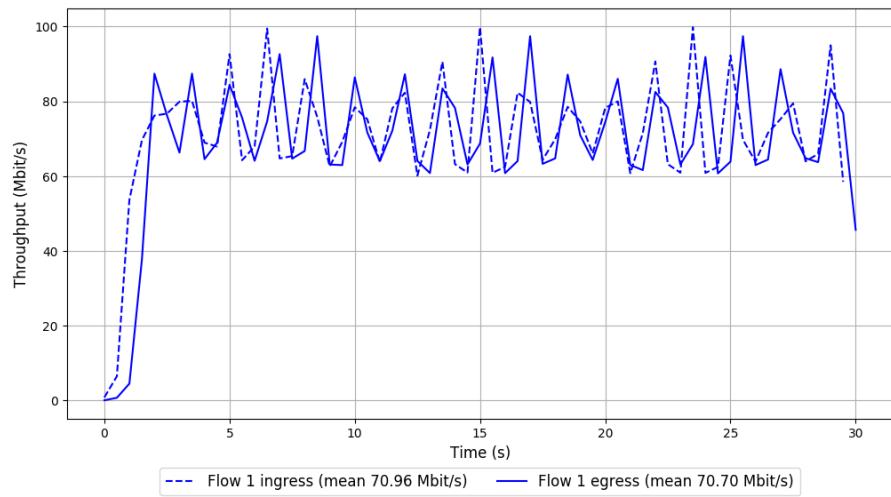


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-05 20:11:15
End at: 2018-06-05 20:11:45
Local clock offset: -2.1 ms
Remote clock offset: 8.634 ms

# Below is generated by plot.py at 2018-06-05 22:39:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 94.818 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 94.818 ms
Loss rate: 0.89%
```

Run 3: Report of TCP BBR — Data Link

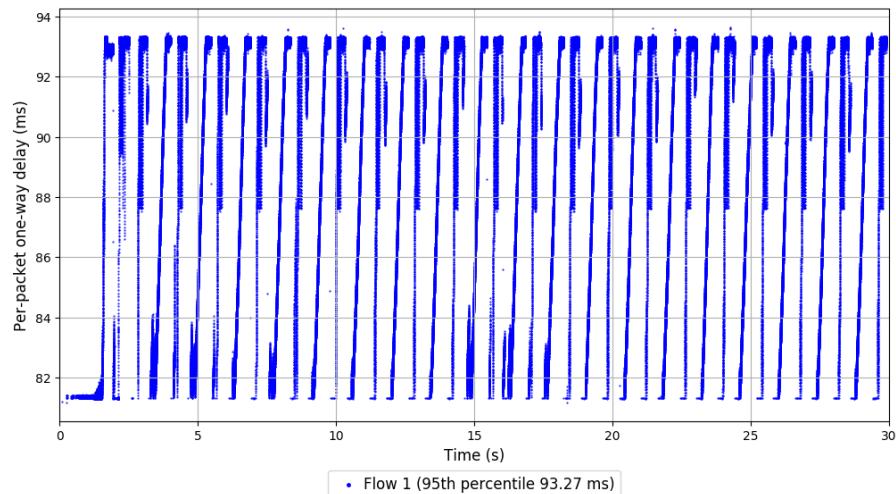
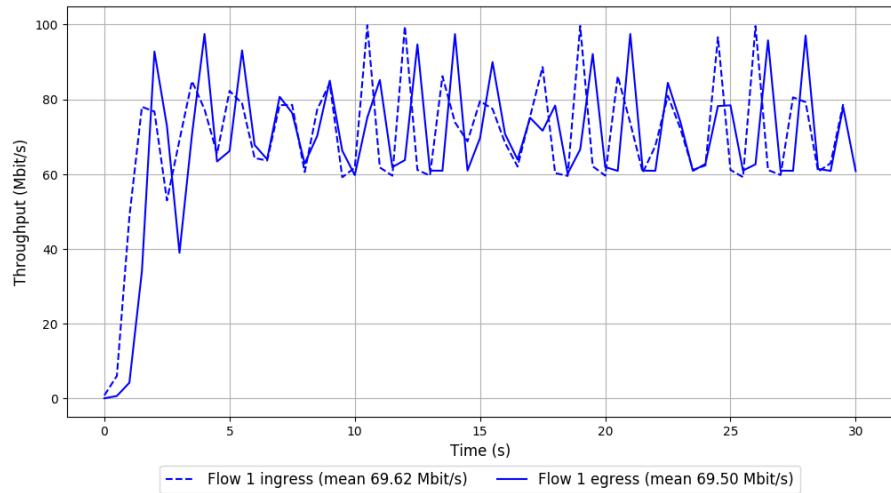


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-05 20:29:54
End at: 2018-06-05 20:30:24
Local clock offset: -2.551 ms
Remote clock offset: 11.931 ms

# Below is generated by plot.py at 2018-06-05 22:39:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 93.272 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 93.272 ms
Loss rate: 0.71%
```

Run 4: Report of TCP BBR — Data Link

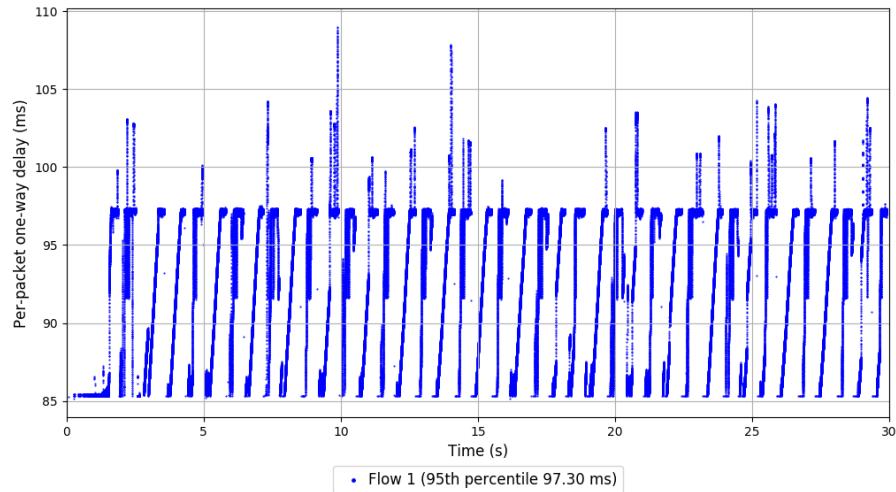
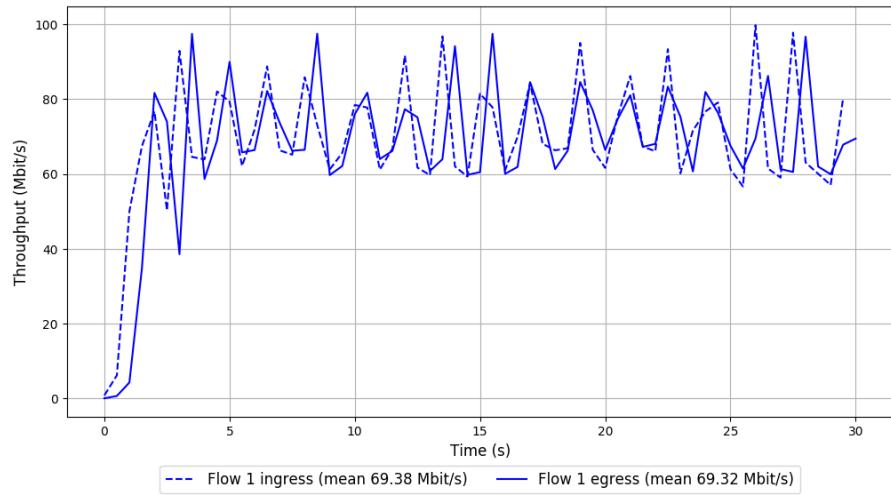


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-05 20:48:38
End at: 2018-06-05 20:49:08
Local clock offset: -6.311 ms
Remote clock offset: 3.536 ms

# Below is generated by plot.py at 2018-06-05 22:39:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.32 Mbit/s
95th percentile per-packet one-way delay: 97.298 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 69.32 Mbit/s
95th percentile per-packet one-way delay: 97.298 ms
Loss rate: 0.64%
```

Run 5: Report of TCP BBR — Data Link

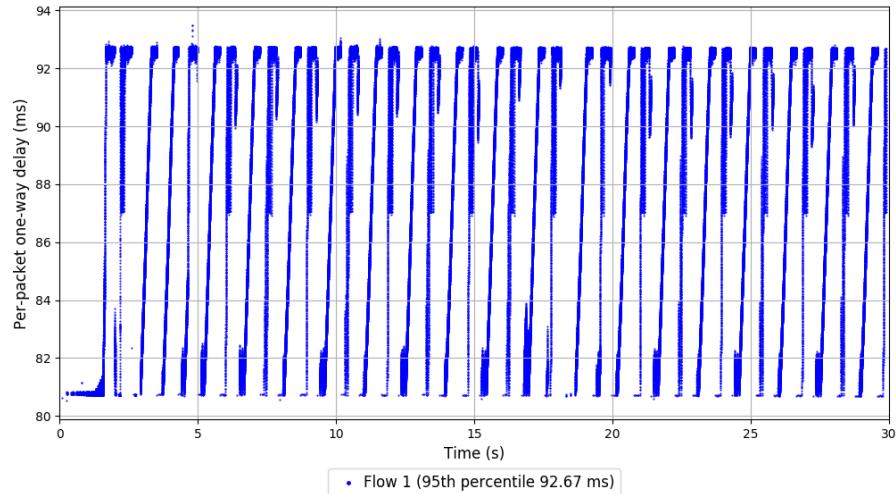
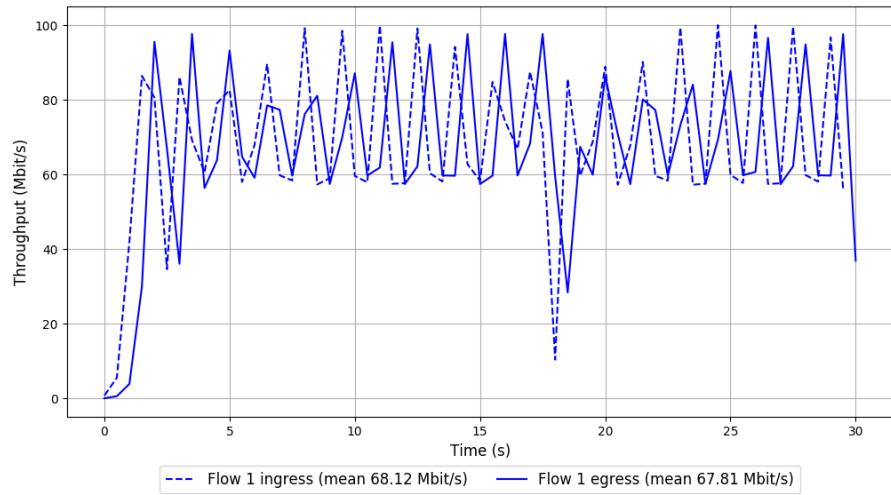


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-05 21:07:15
End at: 2018-06-05 21:07:45
Local clock offset: -8.067 ms
Remote clock offset: 6.14 ms

# Below is generated by plot.py at 2018-06-05 22:39:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.81 Mbit/s
95th percentile per-packet one-way delay: 92.671 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 67.81 Mbit/s
95th percentile per-packet one-way delay: 92.671 ms
Loss rate: 0.99%
```

Run 6: Report of TCP BBR — Data Link

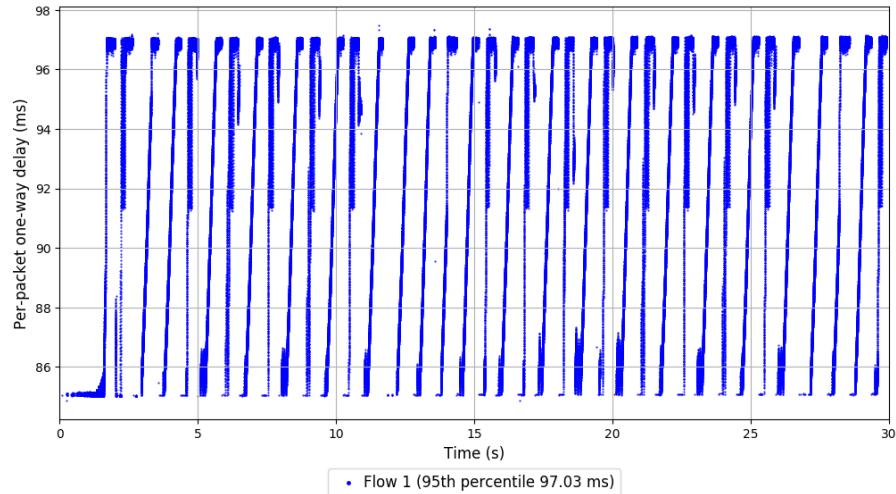
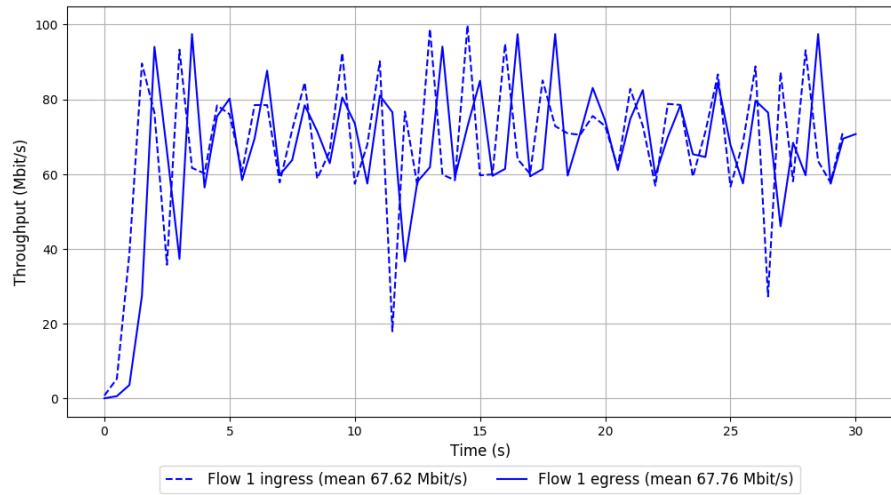


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-05 21:25:54
End at: 2018-06-05 21:26:24
Local clock offset: -8.879 ms
Remote clock offset: 5.38 ms

# Below is generated by plot.py at 2018-06-05 22:39:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.76 Mbit/s
95th percentile per-packet one-way delay: 97.028 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 67.76 Mbit/s
95th percentile per-packet one-way delay: 97.028 ms
Loss rate: 0.35%
```

Run 7: Report of TCP BBR — Data Link

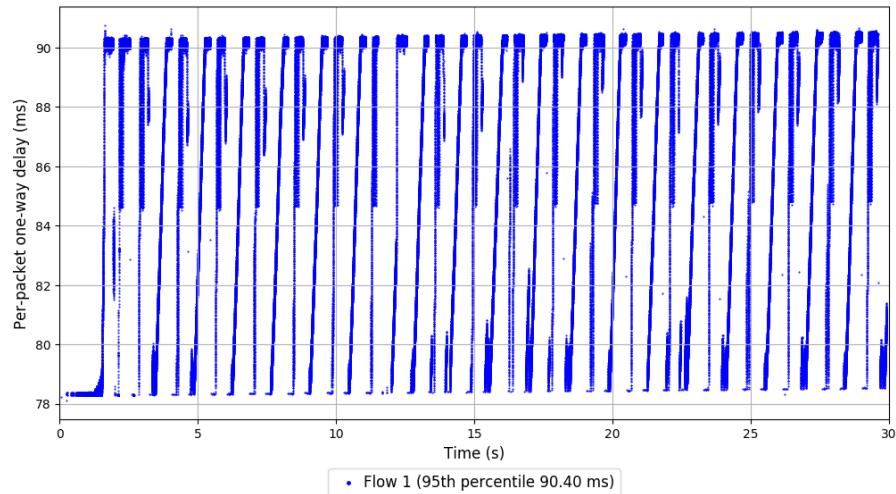
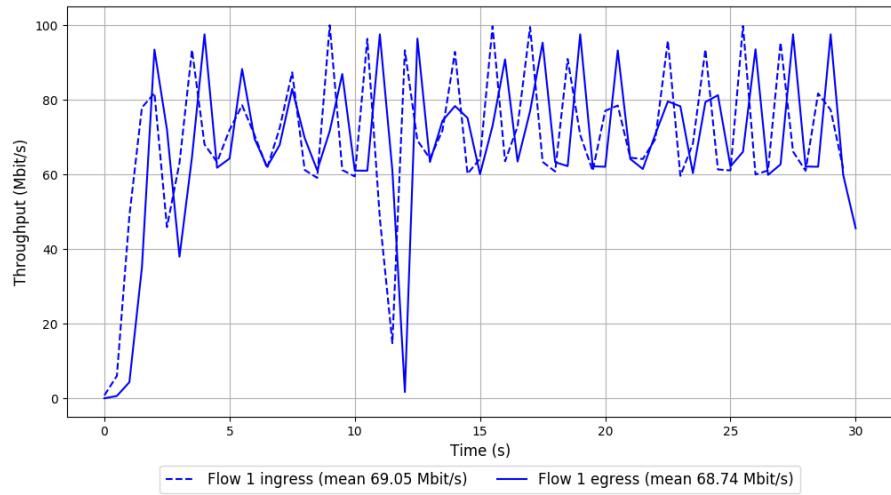


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-05 21:44:34
End at: 2018-06-05 21:45:04
Local clock offset: -9.378 ms
Remote clock offset: 11.325 ms

# Below is generated by plot.py at 2018-06-05 22:39:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 90.396 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 90.396 ms
Loss rate: 0.98%
```

Run 8: Report of TCP BBR — Data Link

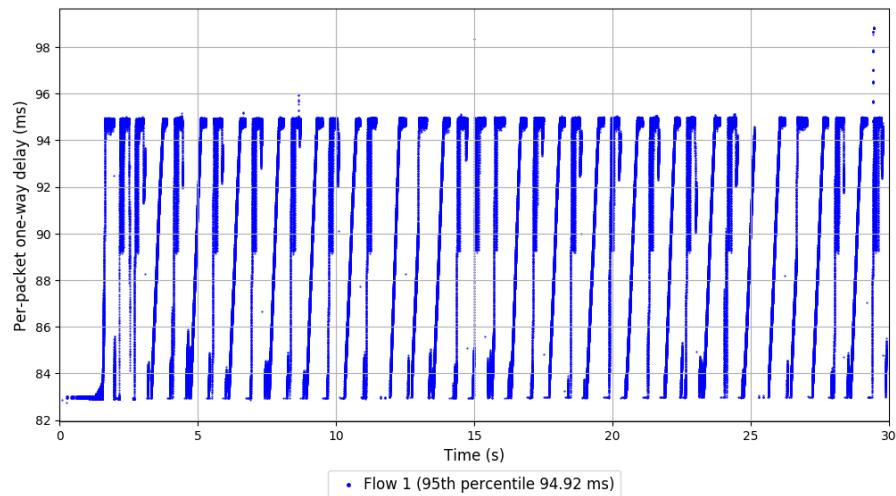
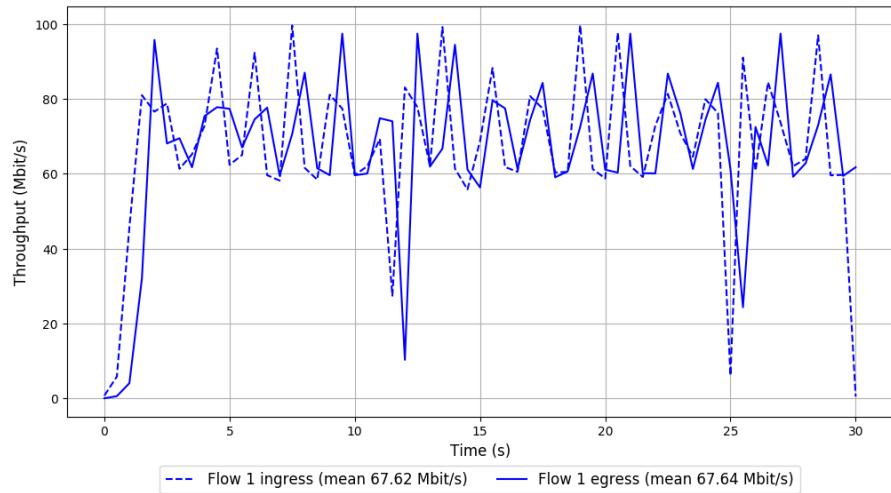


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-05 22:03:11
End at: 2018-06-05 22:03:41
Local clock offset: -8.291 ms
Remote clock offset: 10.432 ms

# Below is generated by plot.py at 2018-06-05 22:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 94.917 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 94.917 ms
Loss rate: 0.59%
```

Run 9: Report of TCP BBR — Data Link

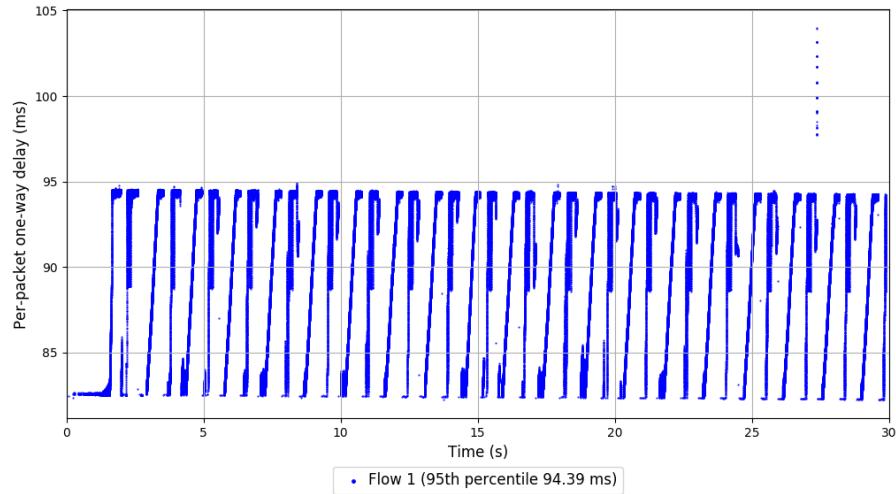
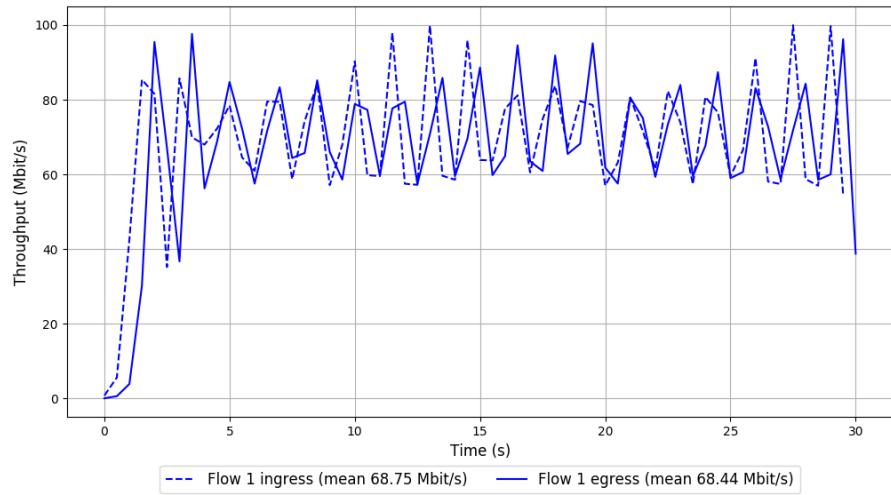


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2018-06-05 22:21:50
End at: 2018-06-05 22:22:20
Local clock offset: -6.522 ms
Remote clock offset: 9.894 ms

# Below is generated by plot.py at 2018-06-05 22:40:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.44 Mbit/s
95th percentile per-packet one-way delay: 94.393 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 68.44 Mbit/s
95th percentile per-packet one-way delay: 94.393 ms
Loss rate: 0.99%
```

Run 10: Report of TCP BBR — Data Link

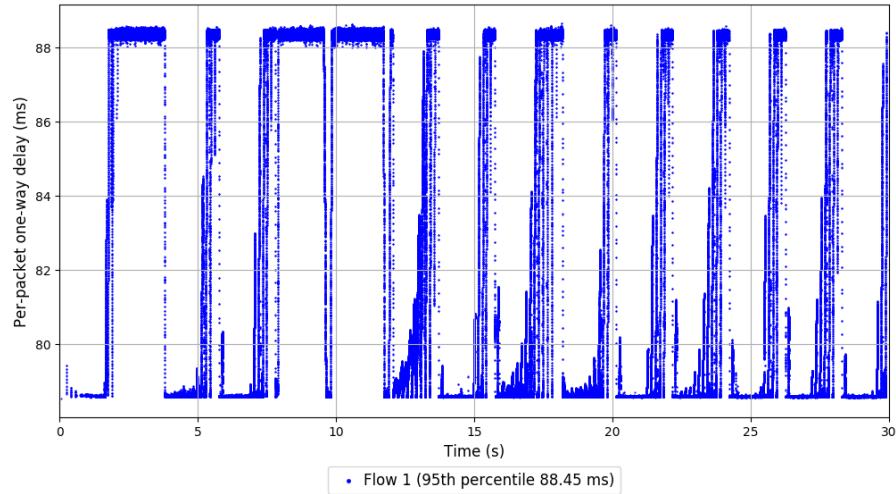
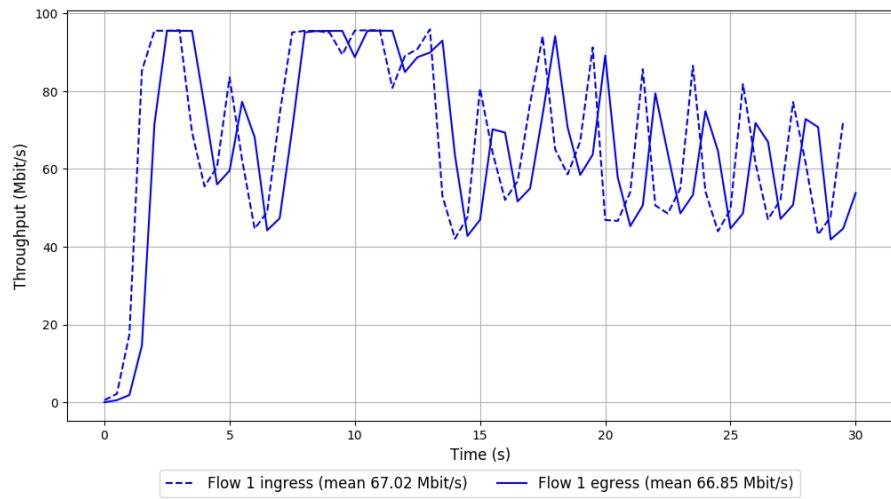


Run 1: Statistics of Copa

```
Start at: 2018-06-05 19:43:20
End at: 2018-06-05 19:43:50
Local clock offset: -1.706 ms
Remote clock offset: 16.161 ms

# Below is generated by plot.py at 2018-06-05 22:41:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 88.452 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 88.452 ms
Loss rate: 0.79%
```

Run 1: Report of Copa — Data Link

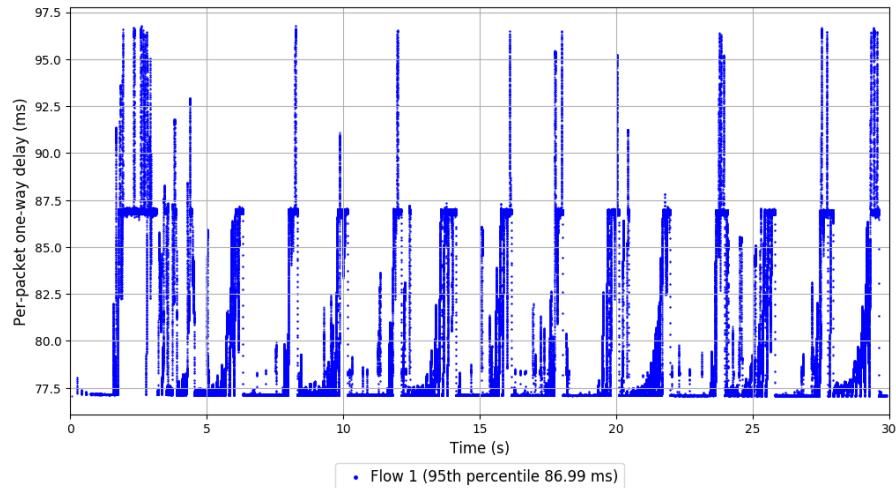
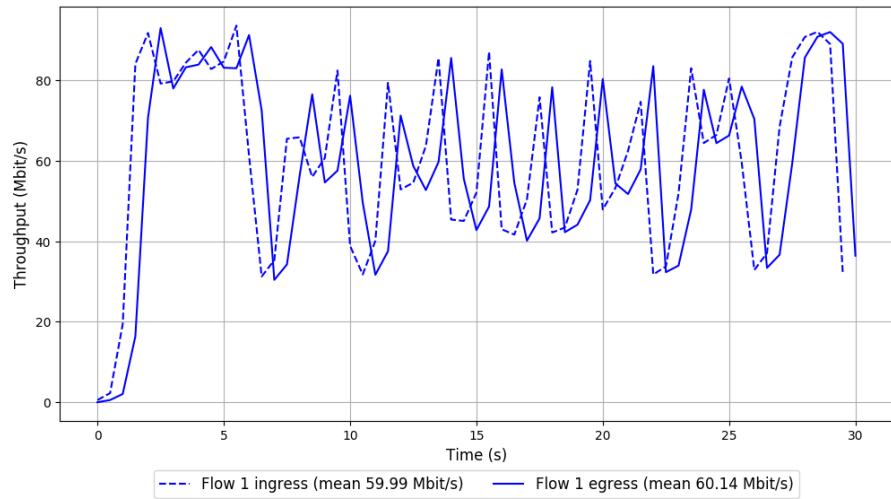


Run 2: Statistics of Copa

```
Start at: 2018-06-05 20:01:58
End at: 2018-06-05 20:02:28
Local clock offset: -2.504 ms
Remote clock offset: 14.38 ms

# Below is generated by plot.py at 2018-06-05 22:41:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.14 Mbit/s
95th percentile per-packet one-way delay: 86.989 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 60.14 Mbit/s
95th percentile per-packet one-way delay: 86.989 ms
Loss rate: 0.30%
```

Run 2: Report of Copa — Data Link

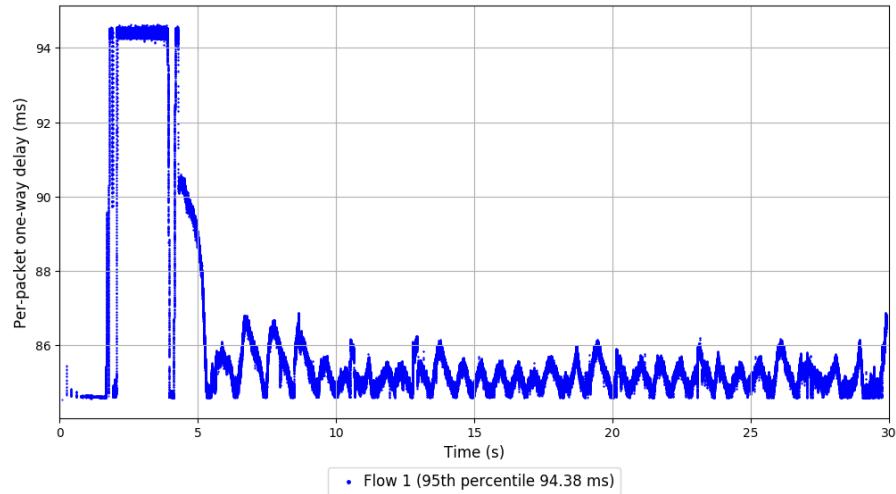
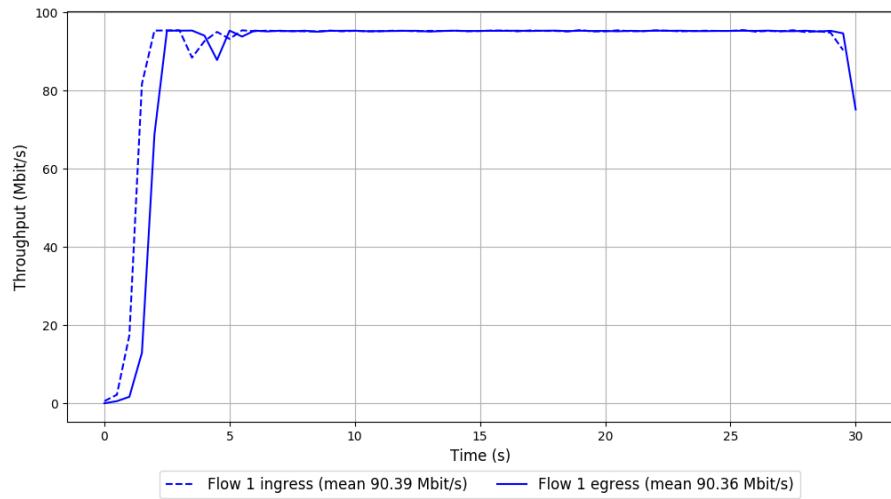


Run 3: Statistics of Copa

```
Start at: 2018-06-05 20:20:35
End at: 2018-06-05 20:21:05
Local clock offset: -1.628 ms
Remote clock offset: 9.266 ms

# Below is generated by plot.py at 2018-06-05 22:41:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.36 Mbit/s
95th percentile per-packet one-way delay: 94.376 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 90.36 Mbit/s
95th percentile per-packet one-way delay: 94.376 ms
Loss rate: 0.58%
```

Run 3: Report of Copa — Data Link

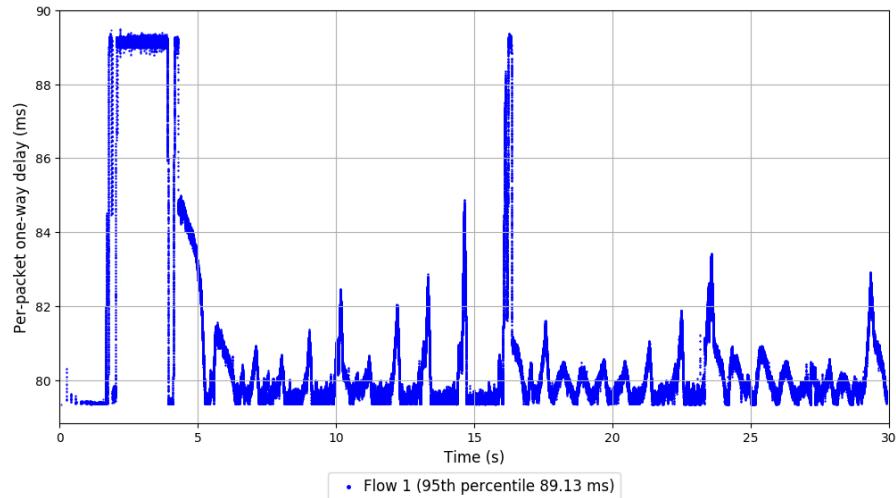
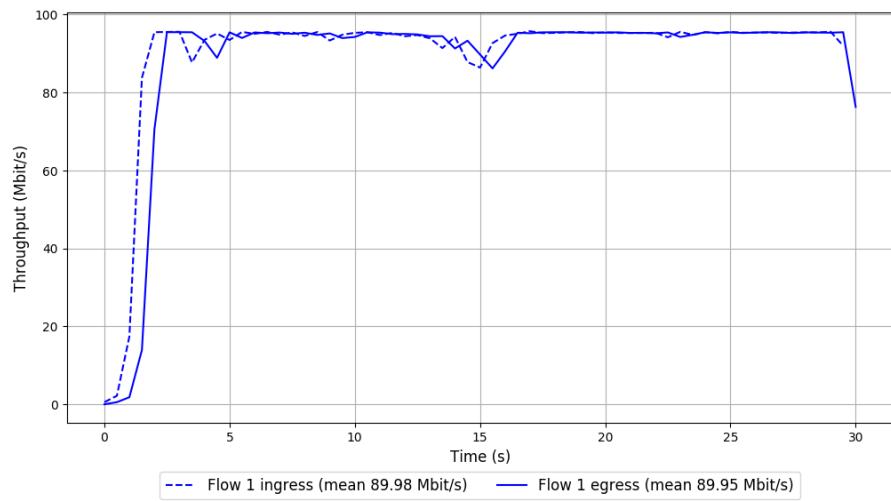


Run 4: Statistics of Copa

```
Start at: 2018-06-05 20:39:19
End at: 2018-06-05 20:39:49
Local clock offset: -4.13 ms
Remote clock offset: 12.105 ms

# Below is generated by plot.py at 2018-06-05 22:41:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 89.127 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 89.127 ms
Loss rate: 0.58%
```

Run 4: Report of Copa — Data Link

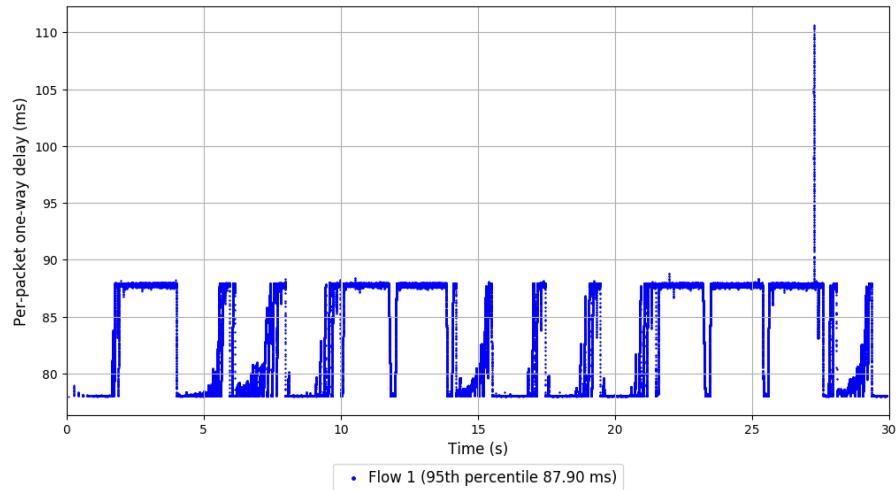
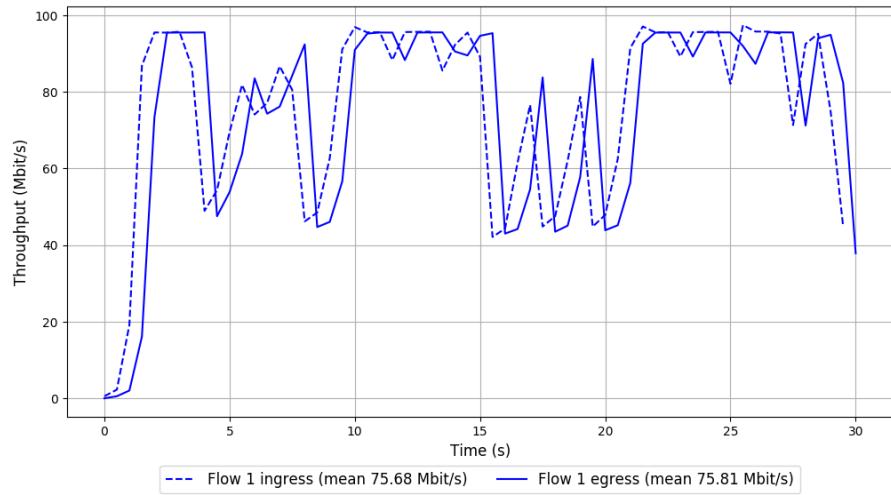


Run 5: Statistics of Copa

```
Start at: 2018-06-05 20:57:58
End at: 2018-06-05 20:58:28
Local clock offset: -8.233 ms
Remote clock offset: 7.263 ms

# Below is generated by plot.py at 2018-06-05 22:41:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 87.896 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 87.896 ms
Loss rate: 0.38%
```

Run 5: Report of Copa — Data Link

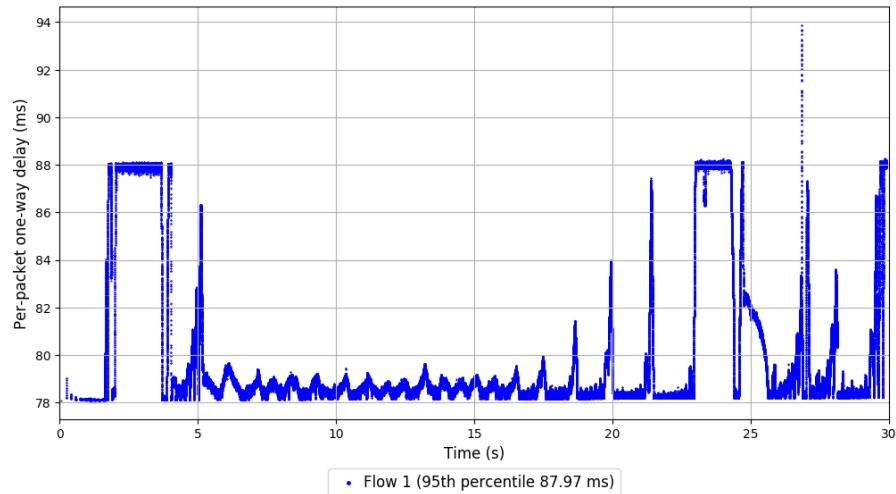
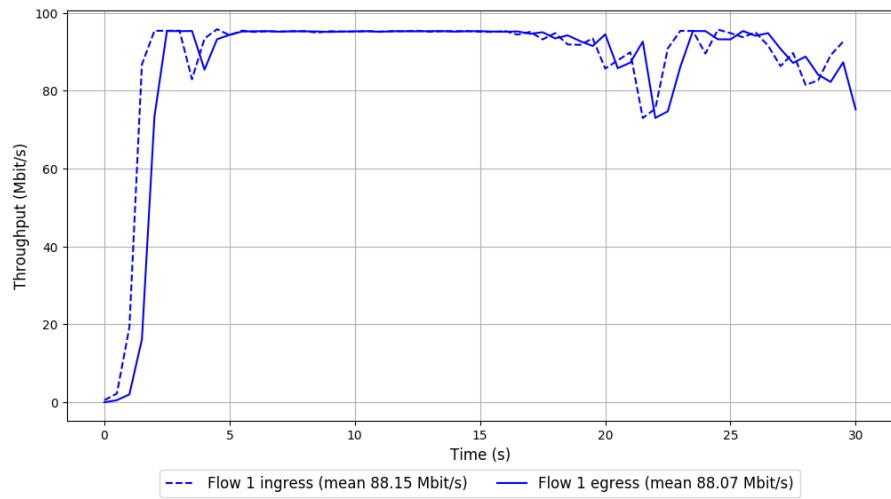


Run 6: Statistics of Copa

```
Start at: 2018-06-05 21:16:36
End at: 2018-06-05 21:17:06
Local clock offset: -9.16 ms
Remote clock offset: 8.148 ms

# Below is generated by plot.py at 2018-06-05 22:41:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 87.972 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 87.972 ms
Loss rate: 0.63%
```

Run 6: Report of Copa — Data Link

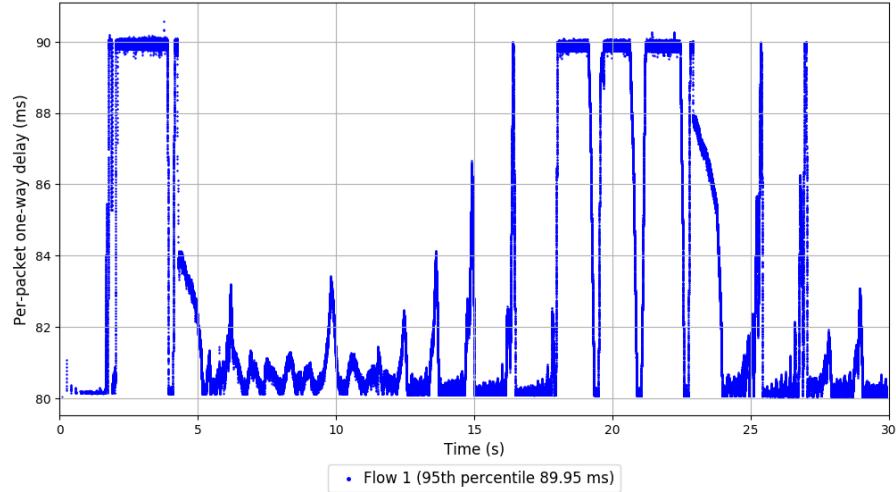
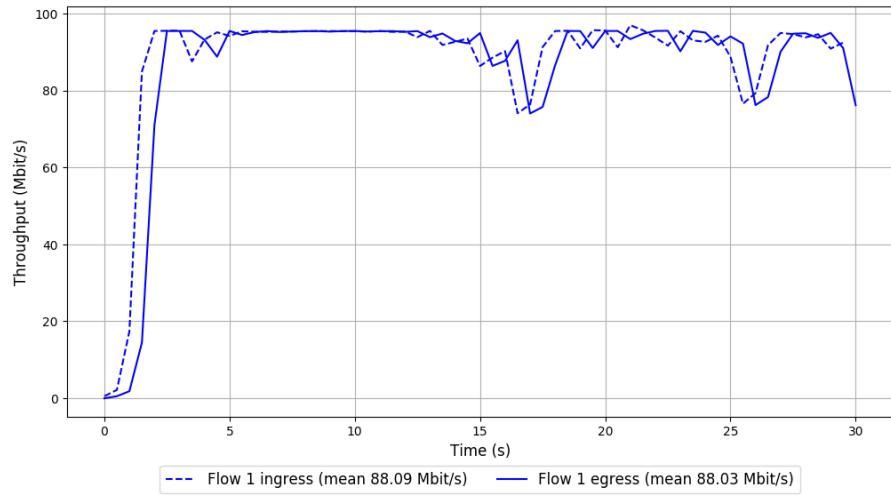


Run 7: Statistics of Copa

```
Start at: 2018-06-05 21:35:14
End at: 2018-06-05 21:35:44
Local clock offset: -10.592 ms
Remote clock offset: 8.508 ms

# Below is generated by plot.py at 2018-06-05 22:42:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 89.951 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 89.951 ms
Loss rate: 0.61%
```

Run 7: Report of Copa — Data Link

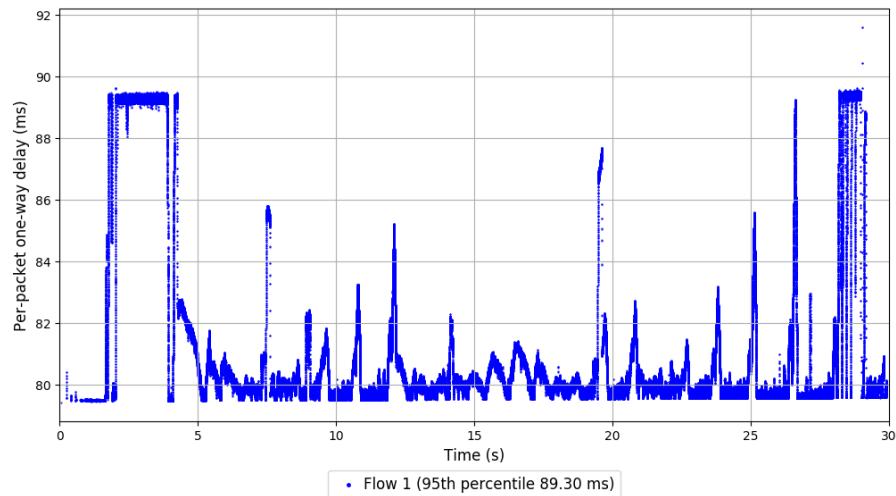
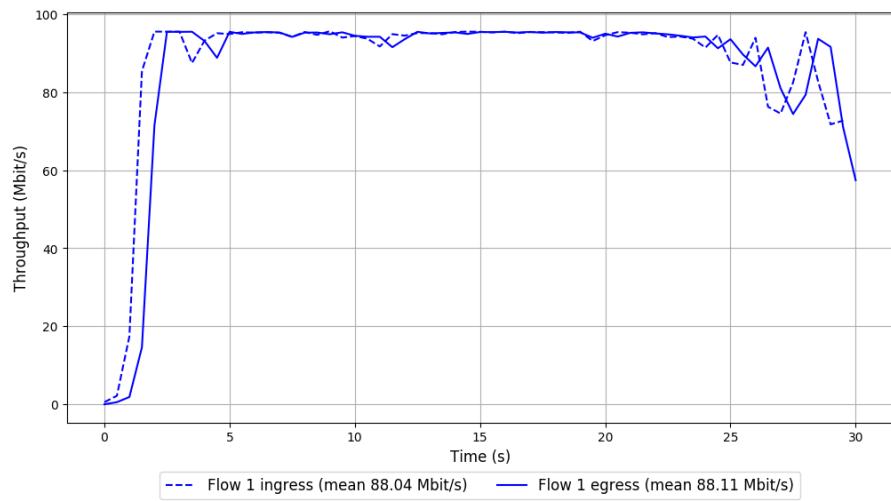


Run 8: Statistics of Copa

```
Start at: 2018-06-05 21:53:54
End at: 2018-06-05 21:54:24
Local clock offset: -7.48 ms
Remote clock offset: 14.934 ms

# Below is generated by plot.py at 2018-06-05 22:42:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 89.297 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 89.297 ms
Loss rate: 0.46%
```

Run 8: Report of Copa — Data Link

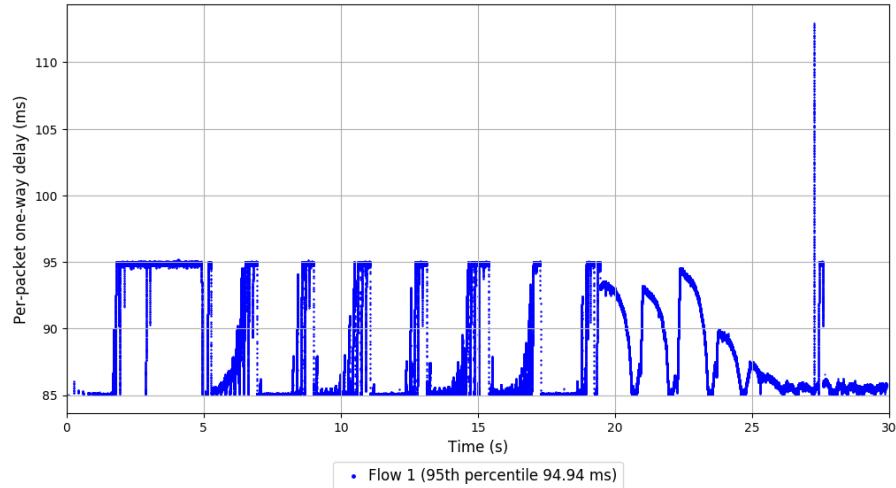
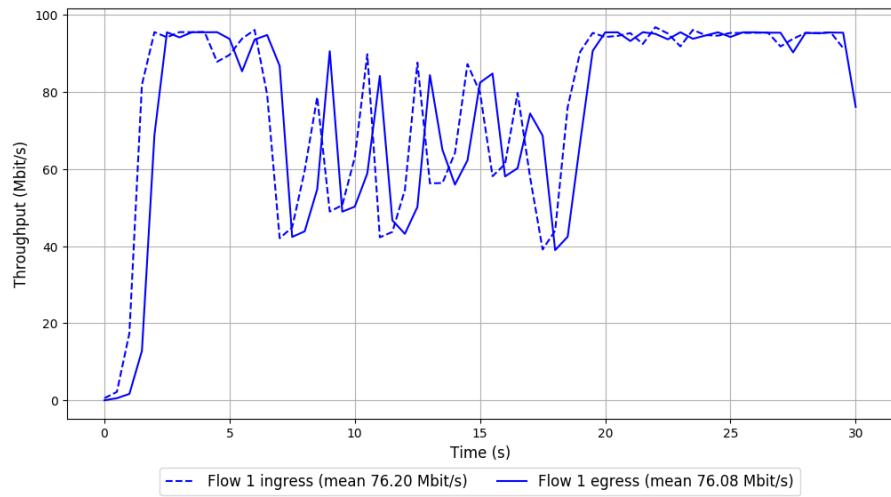


Run 9: Statistics of Copa

```
Start at: 2018-06-05 22:12:32
End at: 2018-06-05 22:13:02
Local clock offset: -7.549 ms
Remote clock offset: 11.334 ms

# Below is generated by plot.py at 2018-06-05 22:42:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 94.943 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 94.943 ms
Loss rate: 0.70%
```

Run 9: Report of Copa — Data Link

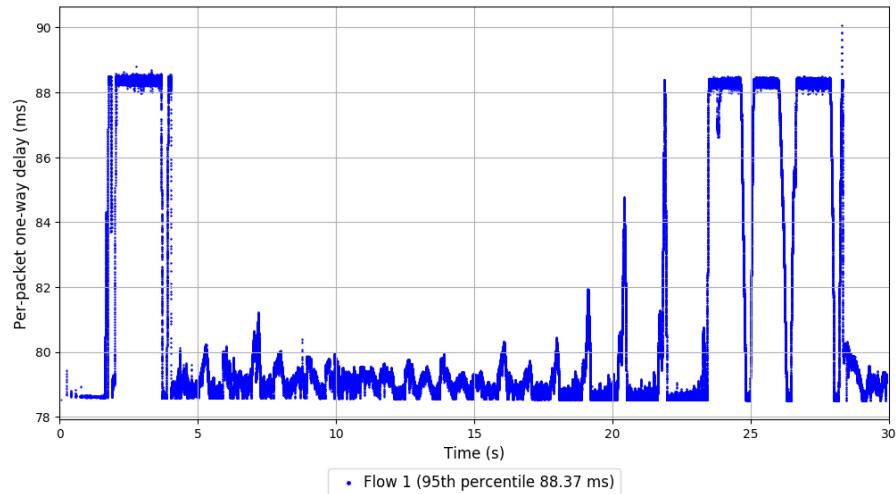
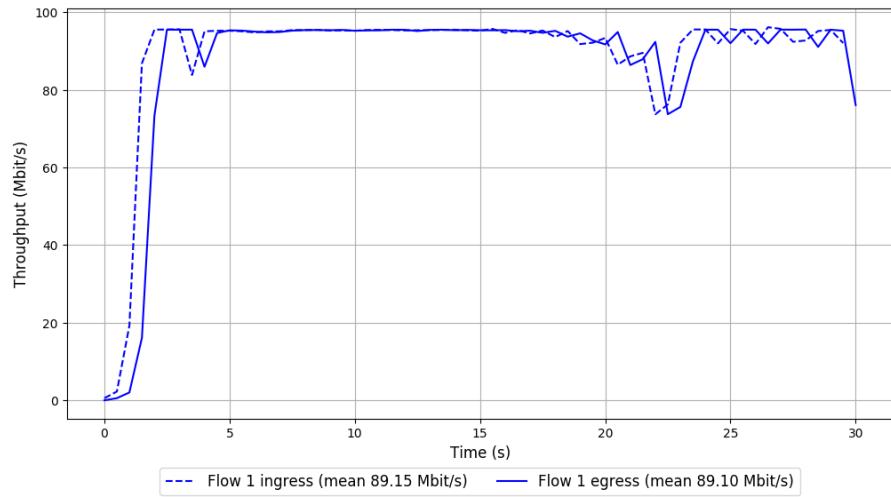


Run 10: Statistics of Copa

```
Start at: 2018-06-05 22:31:11
End at: 2018-06-05 22:31:41
Local clock offset: -6.466 ms
Remote clock offset: 10.367 ms

# Below is generated by plot.py at 2018-06-05 22:43:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 88.371 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 88.371 ms
Loss rate: 0.60%
```

Run 10: Report of Copa — Data Link

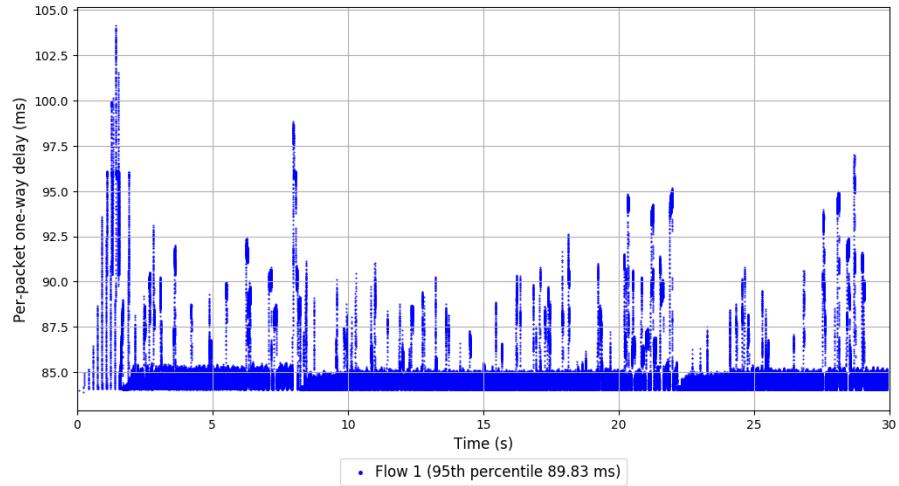
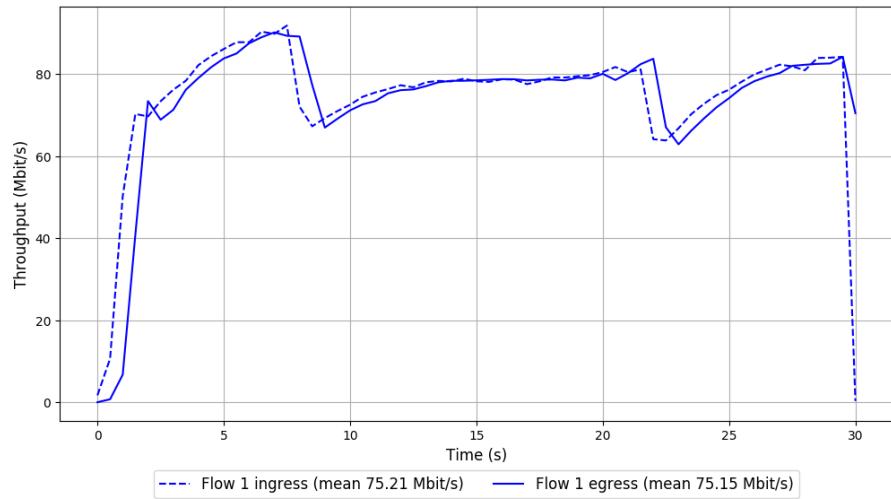


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 19:45:39
End at: 2018-06-05 19:46:09
Local clock offset: -1.696 ms
Remote clock offset: 11.051 ms

# Below is generated by plot.py at 2018-06-05 22:43:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 89.834 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 89.834 ms
Loss rate: 0.63%
```

Run 1: Report of TCP Cubic — Data Link

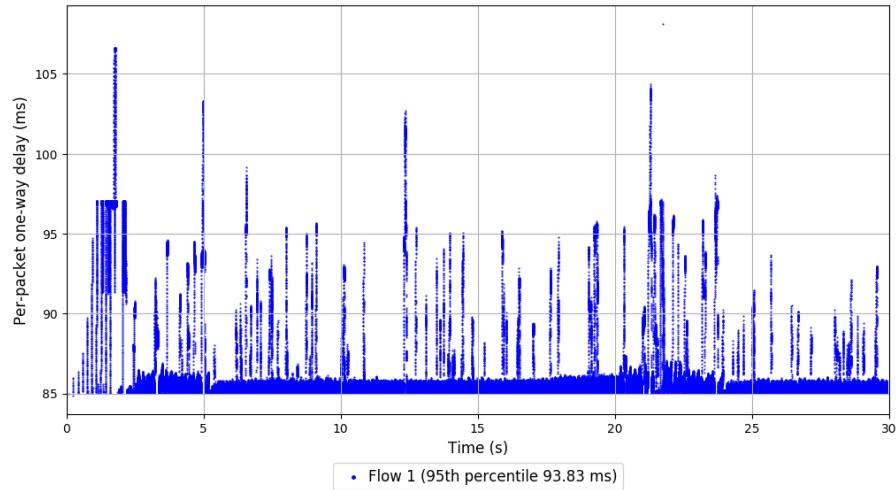
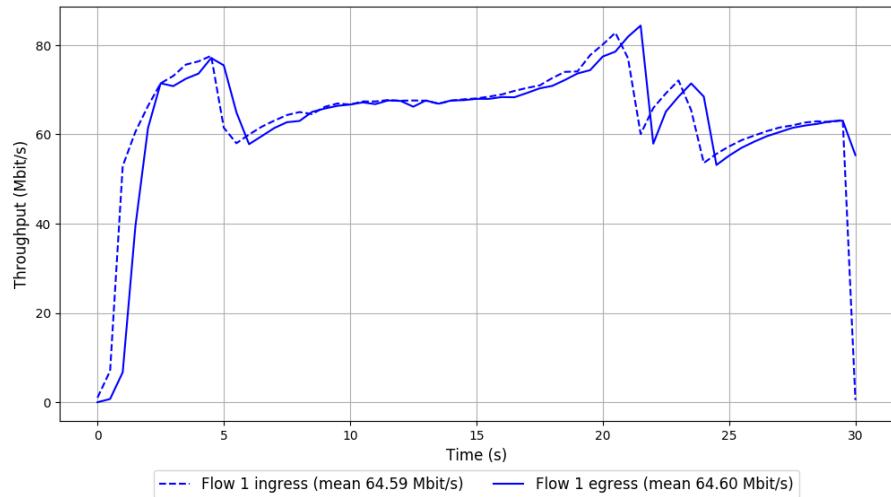


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-05 20:04:17
End at: 2018-06-05 20:04:47
Local clock offset: -0.928 ms
Remote clock offset: 10.206 ms

# Below is generated by plot.py at 2018-06-05 22:43:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.60 Mbit/s
95th percentile per-packet one-way delay: 93.827 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 64.60 Mbit/s
95th percentile per-packet one-way delay: 93.827 ms
Loss rate: 0.54%
```

Run 2: Report of TCP Cubic — Data Link

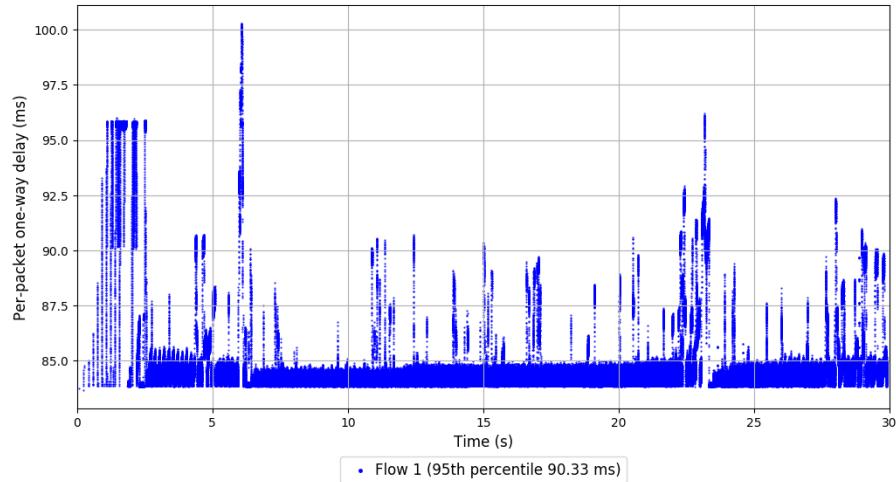
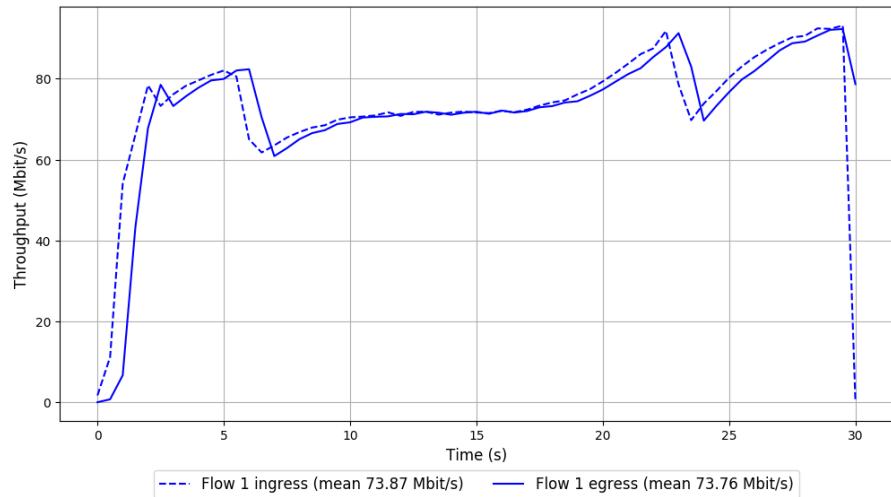


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 20:22:55
End at: 2018-06-05 20:23:25
Local clock offset: -1.671 ms
Remote clock offset: 8.138 ms

# Below is generated by plot.py at 2018-06-05 22:43:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.76 Mbit/s
95th percentile per-packet one-way delay: 90.334 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 73.76 Mbit/s
95th percentile per-packet one-way delay: 90.334 ms
Loss rate: 0.69%
```

Run 3: Report of TCP Cubic — Data Link

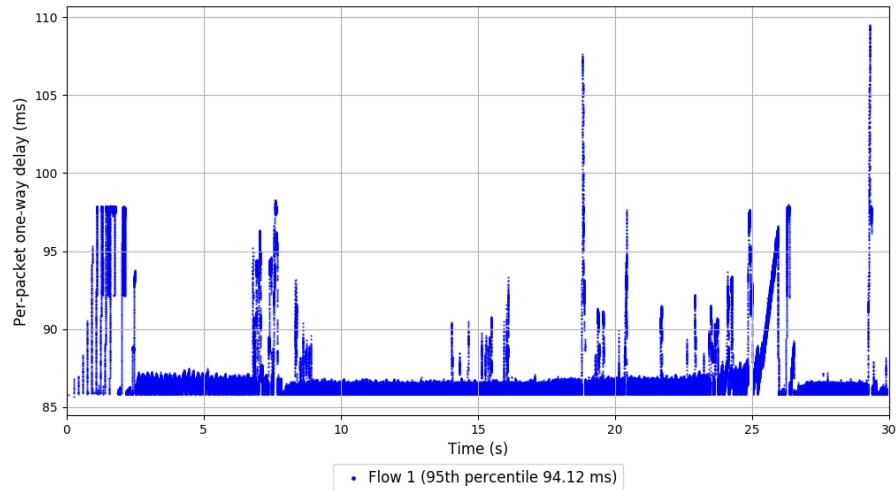
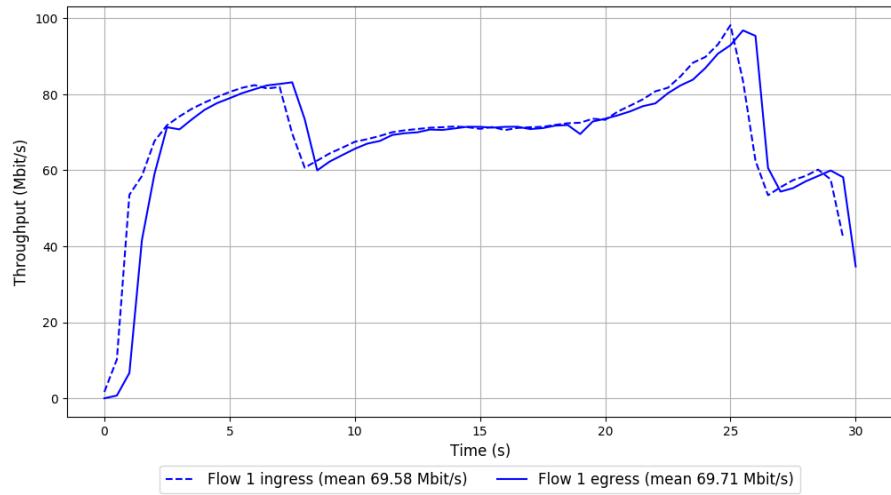


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-05 20:41:40
End at: 2018-06-05 20:42:10
Local clock offset: -4.837 ms
Remote clock offset: 5.136 ms

# Below is generated by plot.py at 2018-06-05 22:43:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 94.118 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 94.118 ms
Loss rate: 0.36%
```

Run 4: Report of TCP Cubic — Data Link

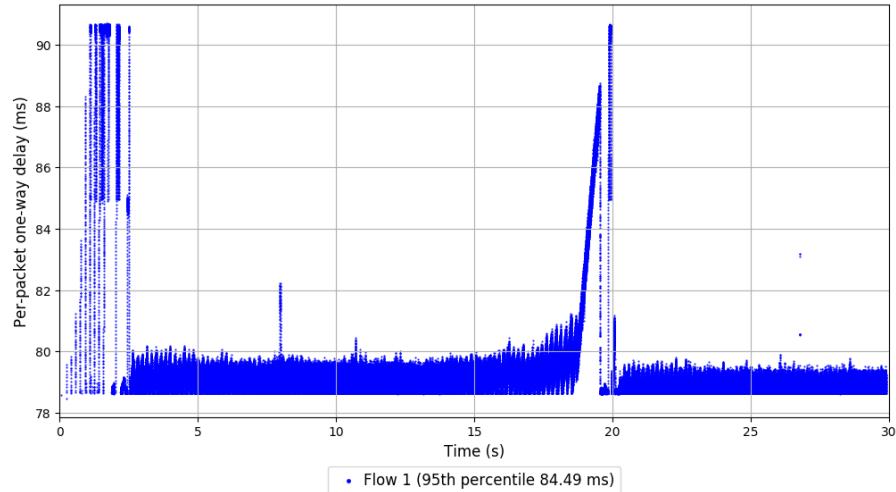
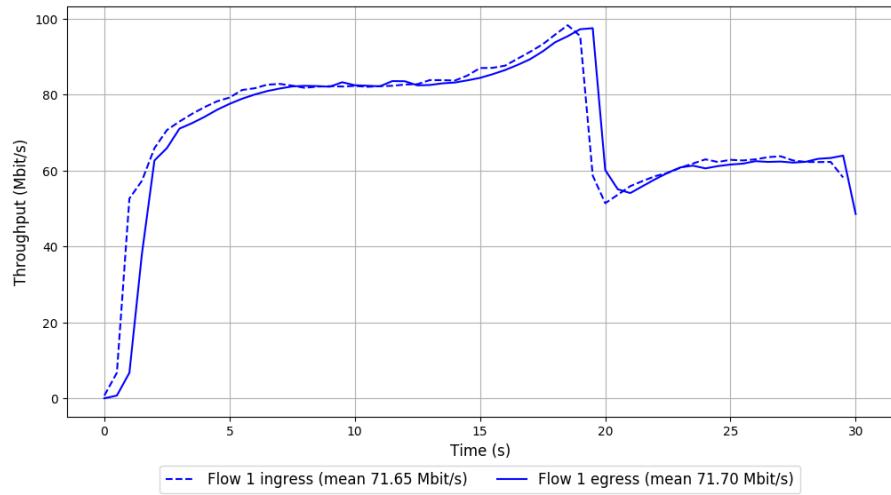


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-05 21:00:17
End at: 2018-06-05 21:00:47
Local clock offset: -8.547 ms
Remote clock offset: 5.875 ms

# Below is generated by plot.py at 2018-06-05 22:43:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.70 Mbit/s
95th percentile per-packet one-way delay: 84.486 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 71.70 Mbit/s
95th percentile per-packet one-way delay: 84.486 ms
Loss rate: 0.47%
```

Run 5: Report of TCP Cubic — Data Link

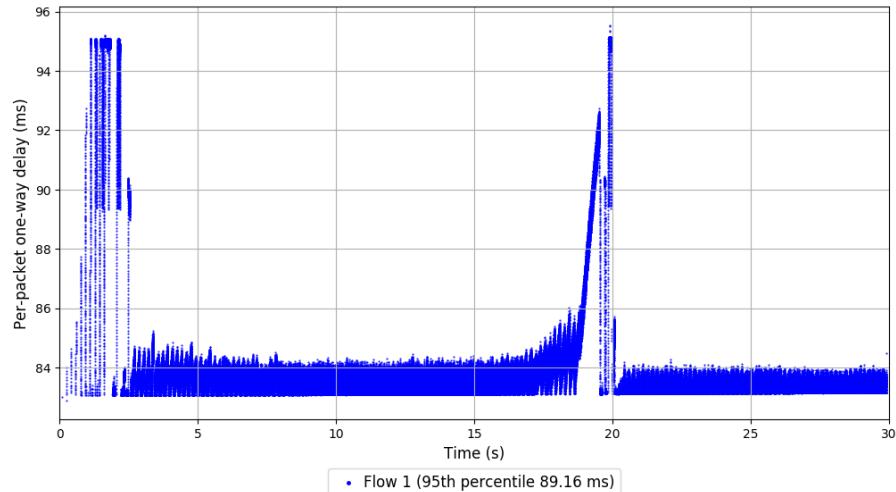
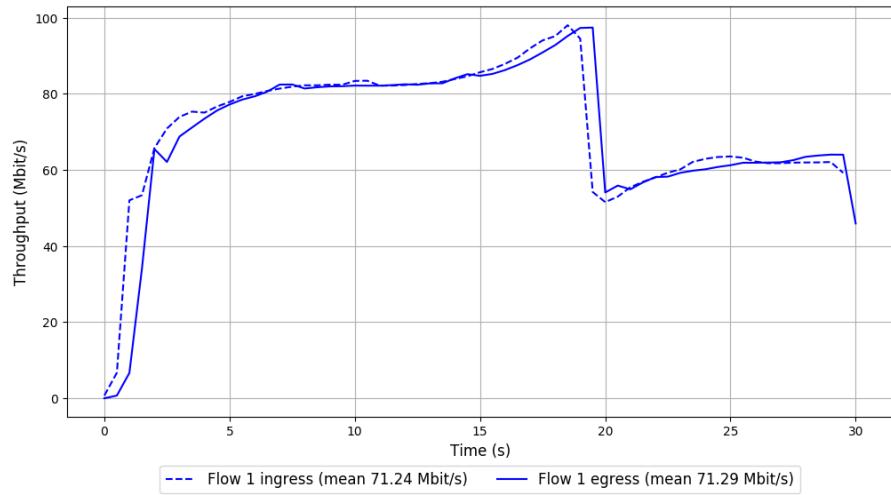


```
Run 6: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 21:18:56
End at: 2018-06-05 21:19:26
Local clock offset: -9.311 ms
Remote clock offset: 3.581 ms

# Below is generated by plot.py at 2018-06-05 22:43:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 89.160 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 89.160 ms
Loss rate: 0.48%
```

Run 6: Report of TCP Cubic — Data Link

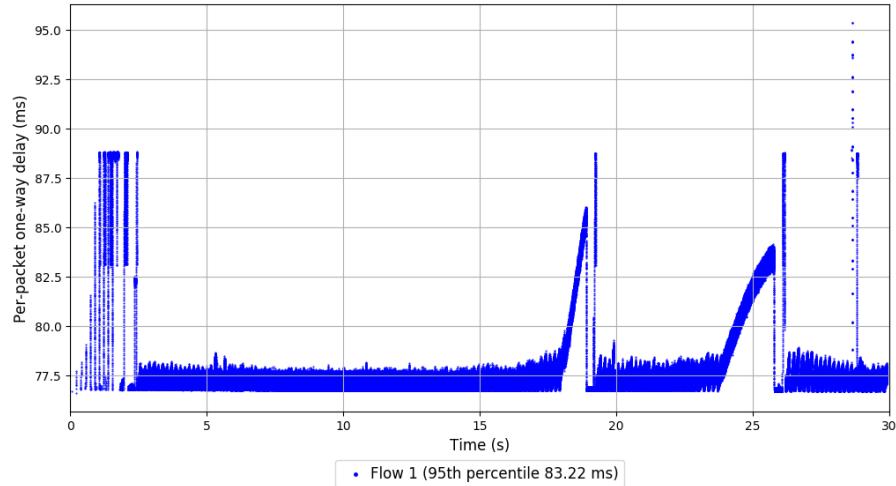
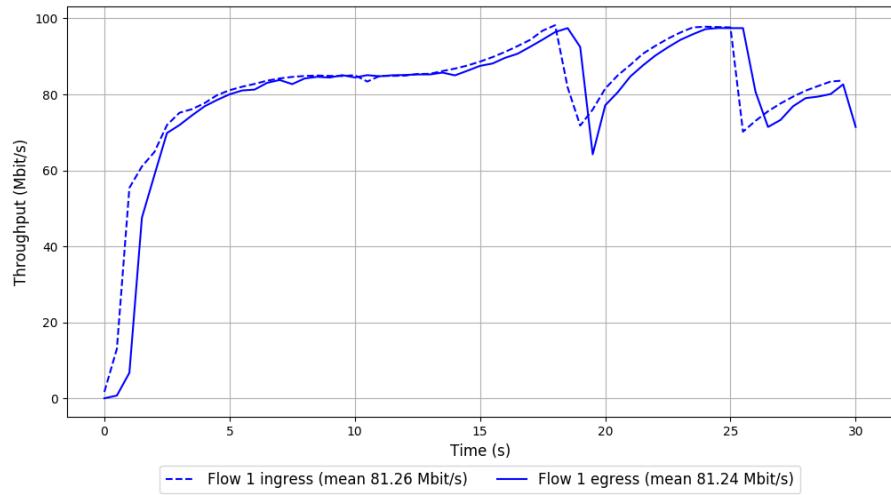


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-05 21:37:35
End at: 2018-06-05 21:38:05
Local clock offset: -10.185 ms
Remote clock offset: 9.706 ms

# Below is generated by plot.py at 2018-06-05 22:43:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 83.215 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 83.215 ms
Loss rate: 0.57%
```

Run 7: Report of TCP Cubic — Data Link

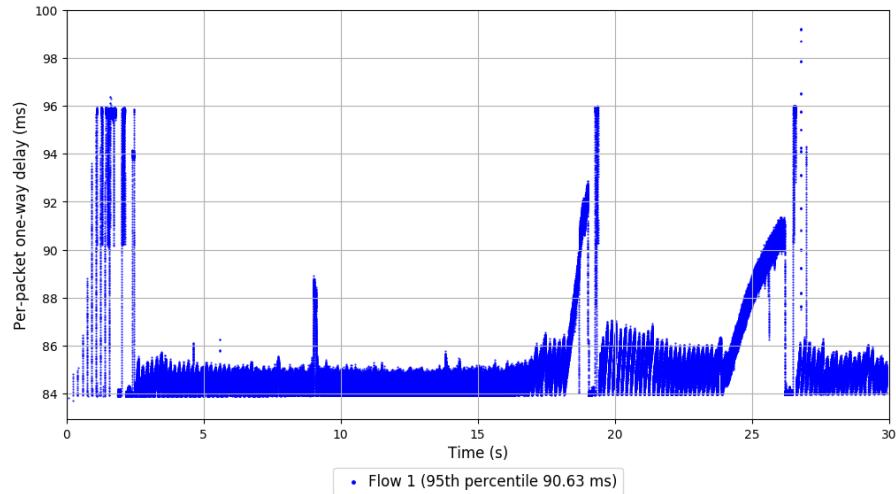
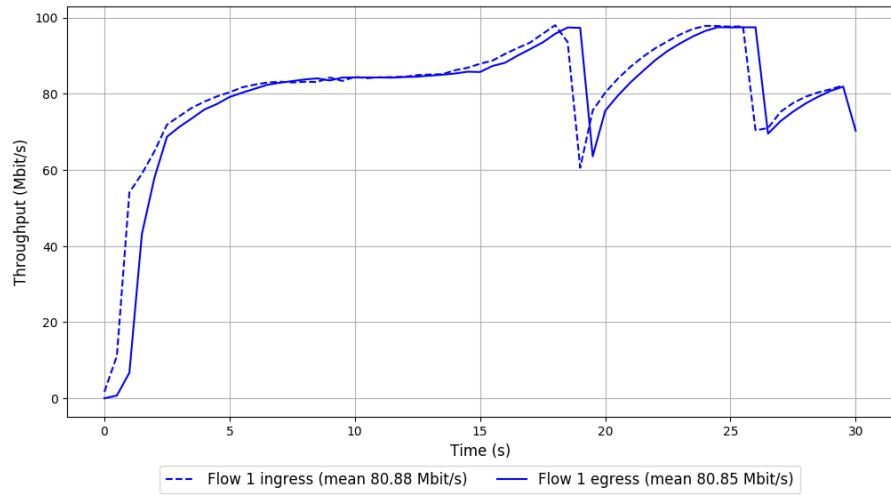


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-05 21:56:14
End at: 2018-06-05 21:56:44
Local clock offset: -7.473 ms
Remote clock offset: 9.328 ms

# Below is generated by plot.py at 2018-06-05 22:43:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.85 Mbit/s
95th percentile per-packet one-way delay: 90.633 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 80.85 Mbit/s
95th percentile per-packet one-way delay: 90.633 ms
Loss rate: 0.57%
```

Run 8: Report of TCP Cubic — Data Link

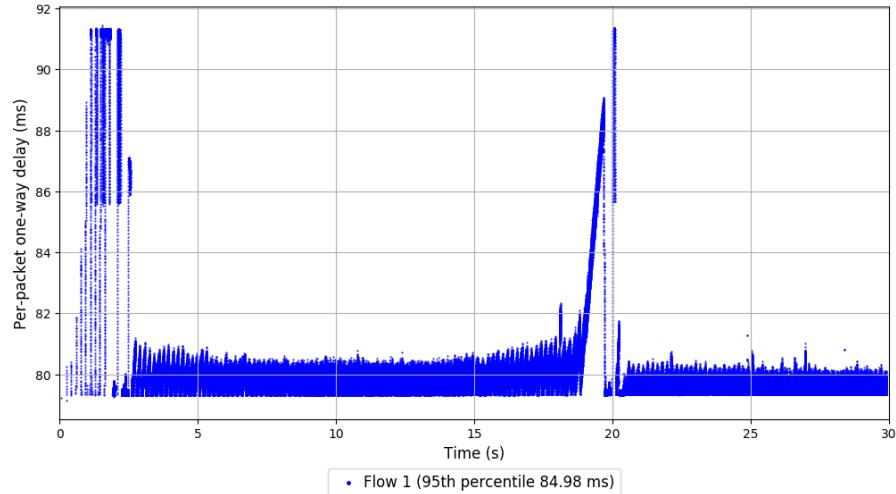
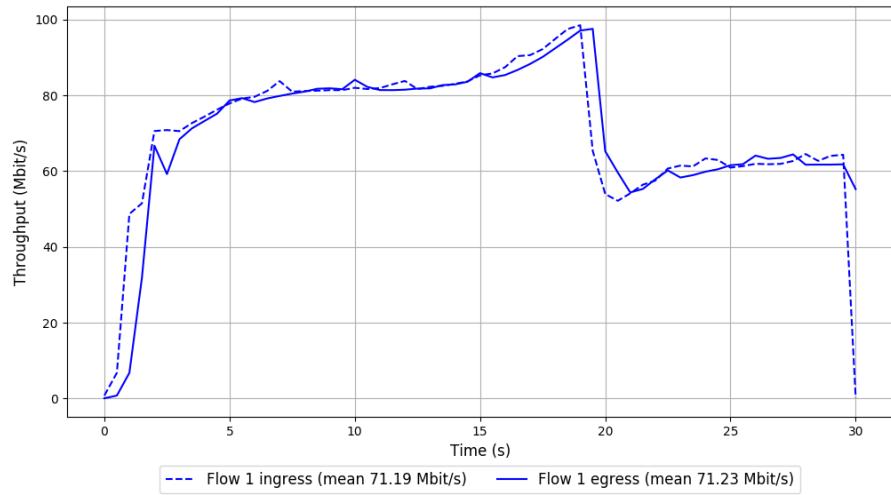


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-05 22:14:52
End at: 2018-06-05 22:15:22
Local clock offset: -8.211 ms
Remote clock offset: 16.612 ms

# Below is generated by plot.py at 2018-06-05 22:43:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.23 Mbit/s
95th percentile per-packet one-way delay: 84.979 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 71.23 Mbit/s
95th percentile per-packet one-way delay: 84.979 ms
Loss rate: 0.51%
```

Run 9: Report of TCP Cubic — Data Link

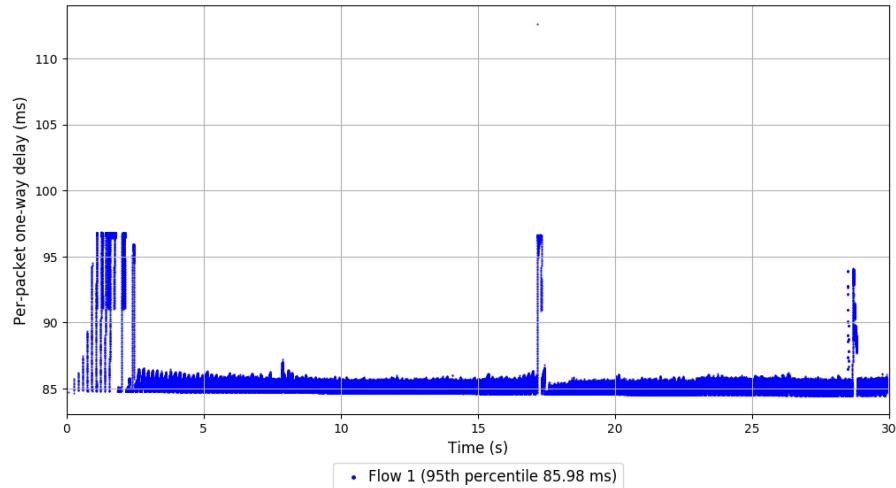
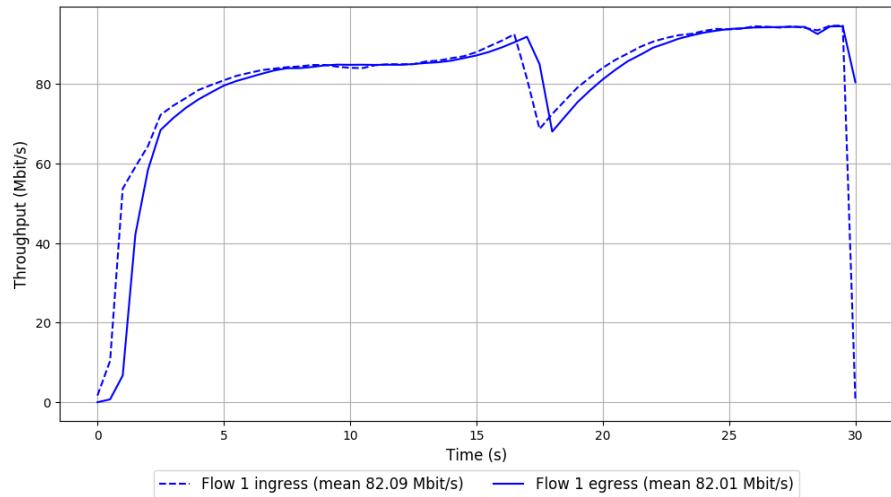


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 22:33:32
End at: 2018-06-05 22:34:02
Local clock offset: -6.526 ms
Remote clock offset: 5.771 ms

# Below is generated by plot.py at 2018-06-05 22:43:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.01 Mbit/s
95th percentile per-packet one-way delay: 85.979 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 82.01 Mbit/s
95th percentile per-packet one-way delay: 85.979 ms
Loss rate: 0.64%
```

Run 10: Report of TCP Cubic — Data Link

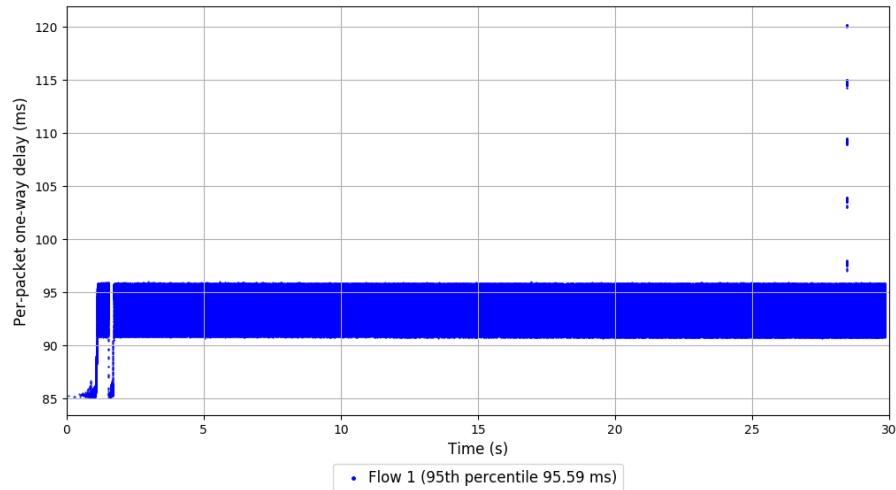
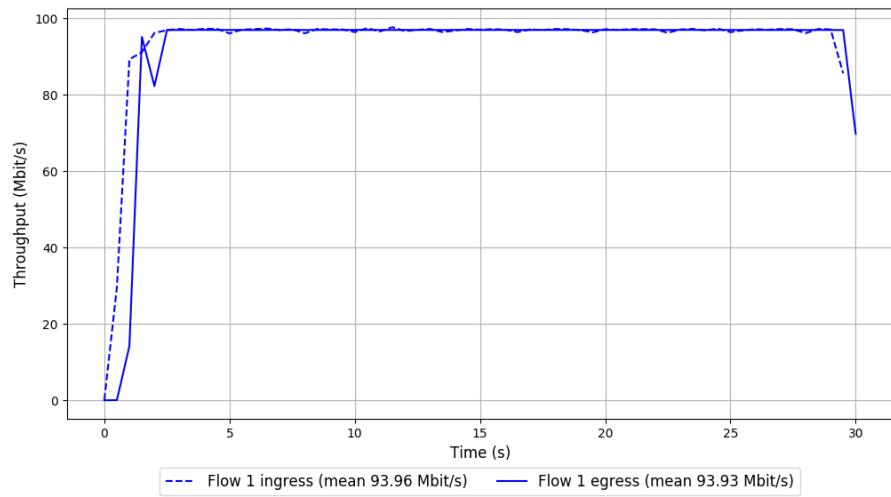


```
Run 1: Statistics of FillP

Start at: 2018-06-05 19:38:36
End at: 2018-06-05 19:39:06
Local clock offset: -1.732 ms
Remote clock offset: 10.453 ms

# Below is generated by plot.py at 2018-06-05 22:44:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 95.594 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 95.594 ms
Loss rate: 0.60%
```

Run 1: Report of FillP — Data Link

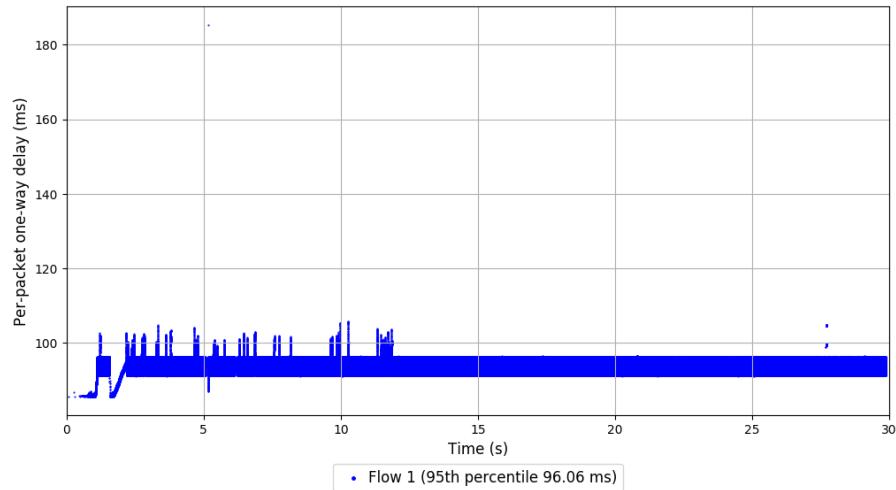
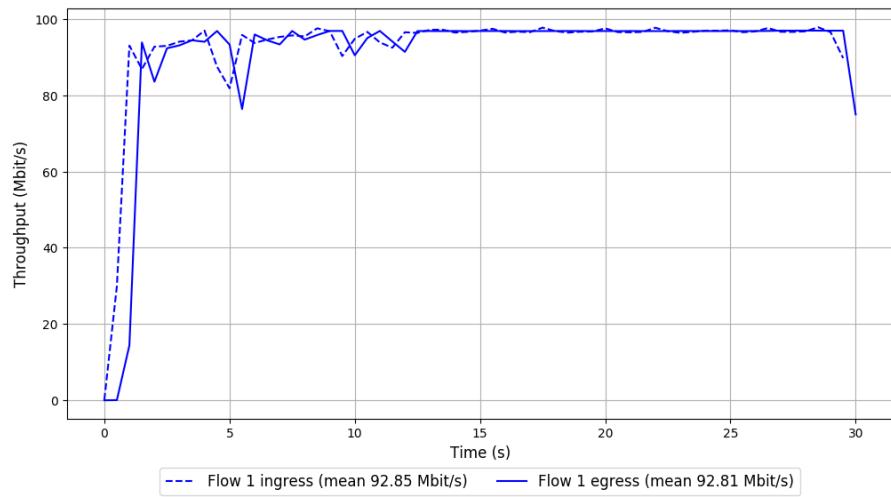


Run 2: Statistics of FillP

```
Start at: 2018-06-05 19:57:14
End at: 2018-06-05 19:57:44
Local clock offset: -0.915 ms
Remote clock offset: 9.642 ms

# Below is generated by plot.py at 2018-06-05 22:44:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 96.065 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 96.065 ms
Loss rate: 0.59%
```

Run 2: Report of FillP — Data Link

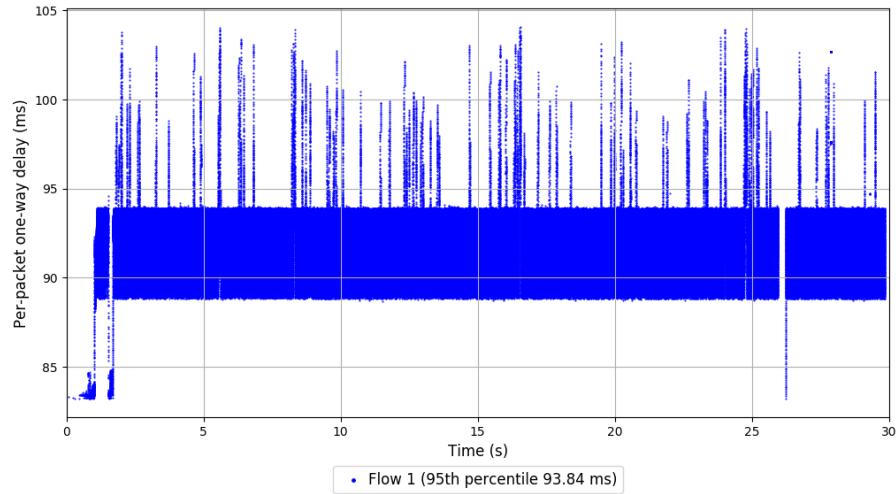
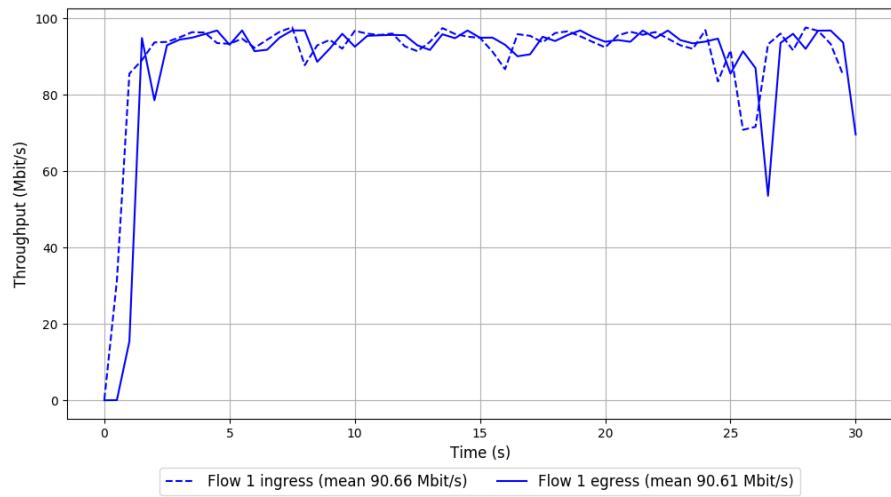


Run 3: Statistics of FillP

```
Start at: 2018-06-05 20:15:51
End at: 2018-06-05 20:16:21
Local clock offset: -1.508 ms
Remote clock offset: 8.459 ms

# Below is generated by plot.py at 2018-06-05 22:44:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 93.843 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 93.843 ms
Loss rate: 0.61%
```

Run 3: Report of FillP — Data Link

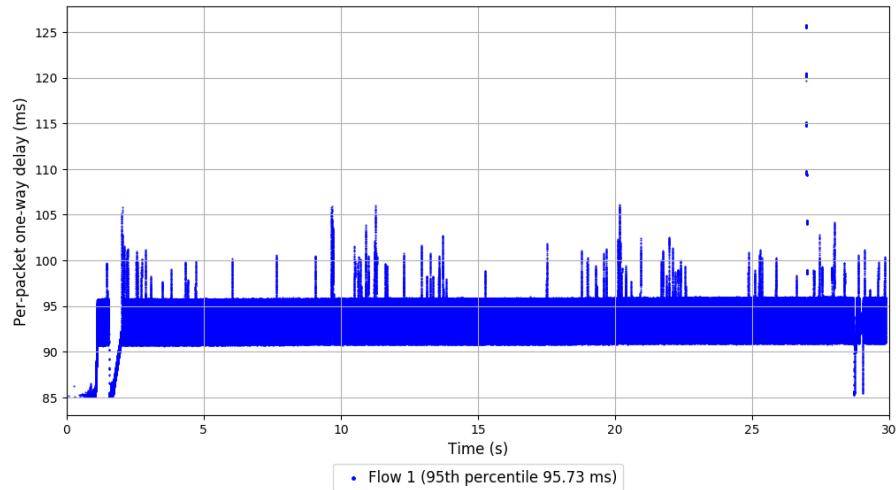
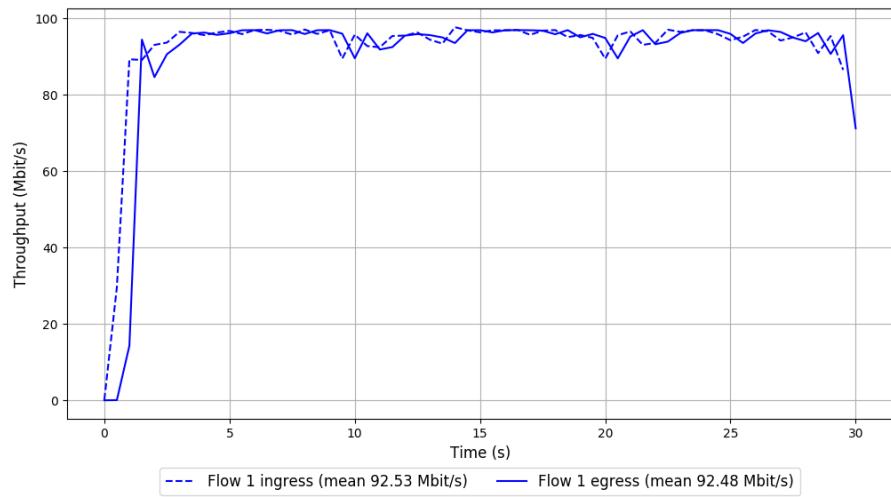


Run 4: Statistics of FillP

```
Start at: 2018-06-05 20:34:30
End at: 2018-06-05 20:35:00
Local clock offset: -2.945 ms
Remote clock offset: 7.839 ms

# Below is generated by plot.py at 2018-06-05 22:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 95.729 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 95.729 ms
Loss rate: 0.60%
```

Run 4: Report of FillP — Data Link

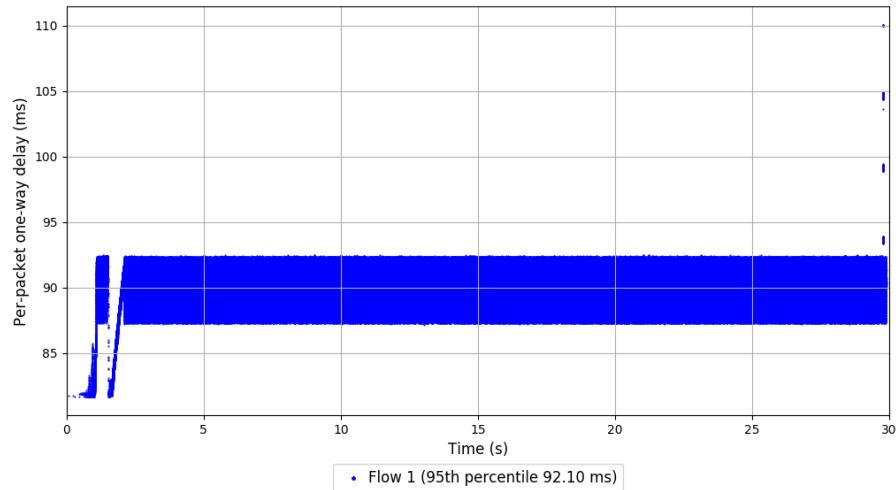
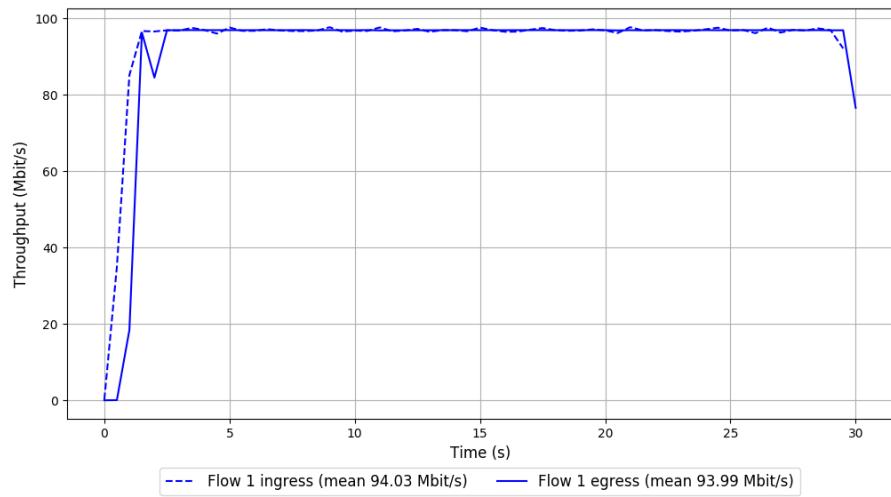


Run 5: Statistics of FillP

```
Start at: 2018-06-05 20:53:14
End at: 2018-06-05 20:53:44
Local clock offset: -8.555 ms
Remote clock offset: 2.79 ms

# Below is generated by plot.py at 2018-06-05 22:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 92.103 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 92.103 ms
Loss rate: 0.59%
```

Run 5: Report of FillP — Data Link

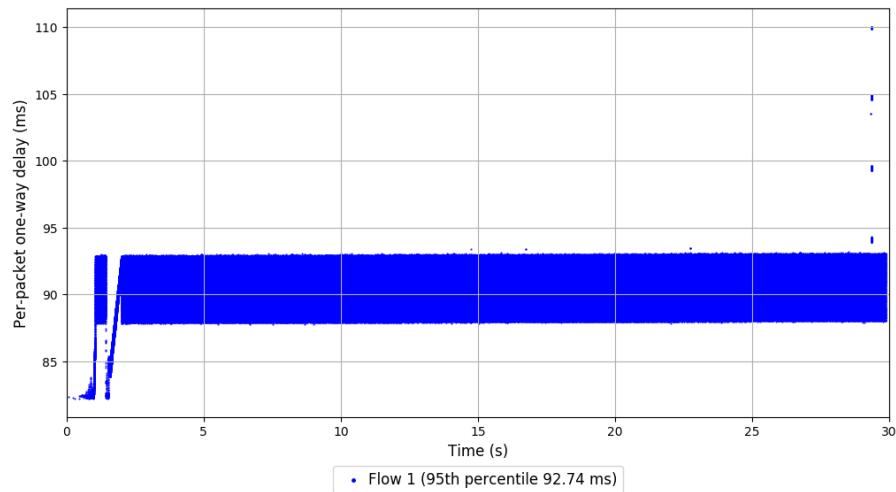
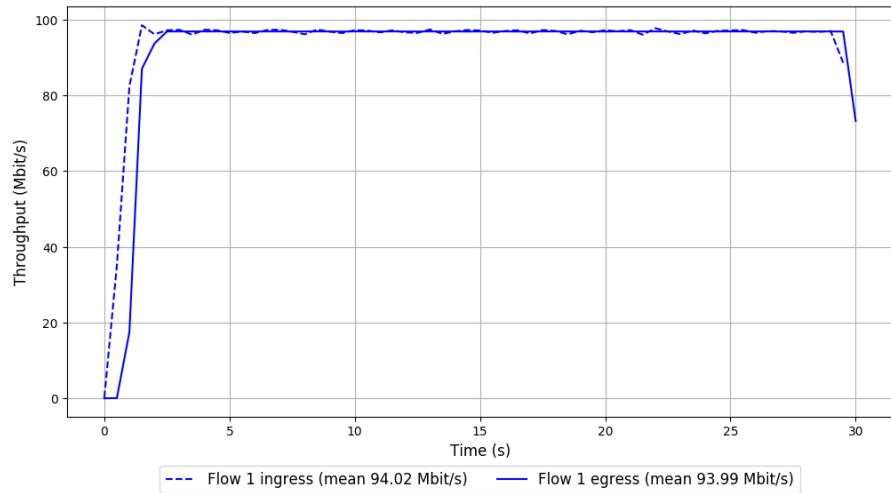


Run 6: Statistics of FillP

```
Start at: 2018-06-05 21:11:51
End at: 2018-06-05 21:12:21
Local clock offset: -9.723 ms
Remote clock offset: 1.897 ms

# Below is generated by plot.py at 2018-06-05 22:45:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 92.738 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 92.738 ms
Loss rate: 0.58%
```

Run 6: Report of FillP — Data Link

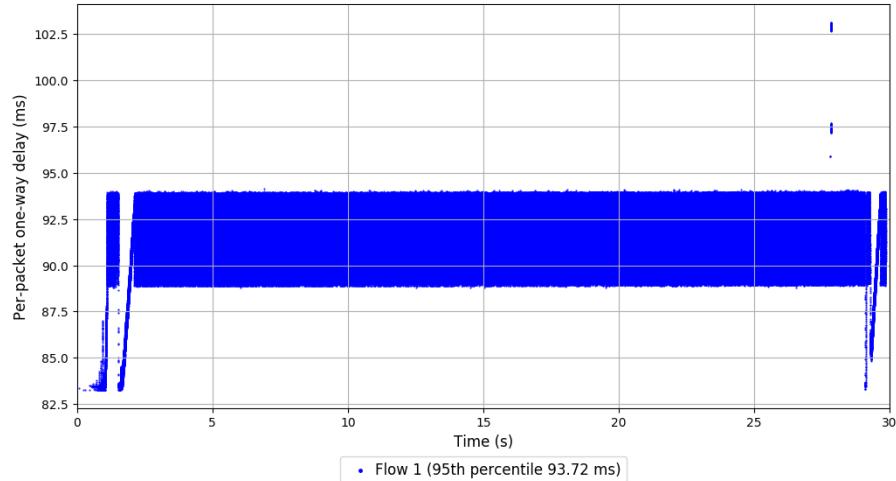
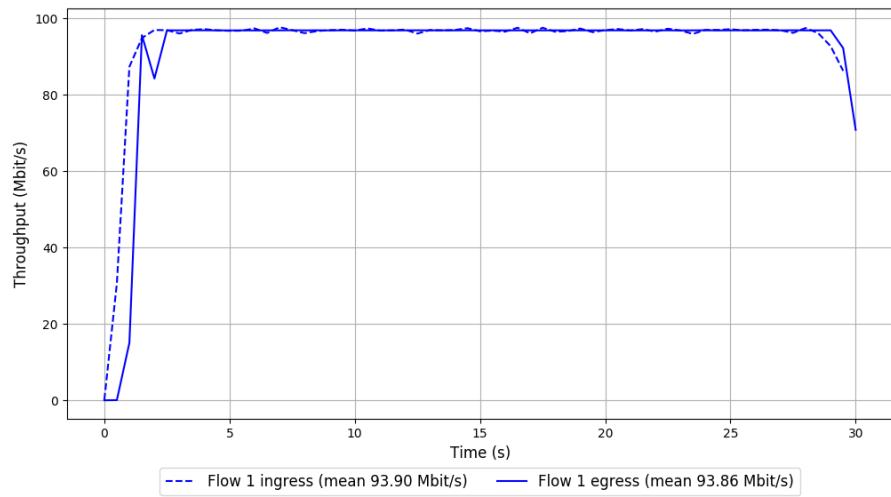


Run 7: Statistics of FillP

```
Start at: 2018-06-05 21:30:30
End at: 2018-06-05 21:31:00
Local clock offset: -10.694 ms
Remote clock offset: 5.553 ms

# Below is generated by plot.py at 2018-06-05 22:45:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 93.725 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 93.725 ms
Loss rate: 0.59%
```

Run 7: Report of FillP — Data Link

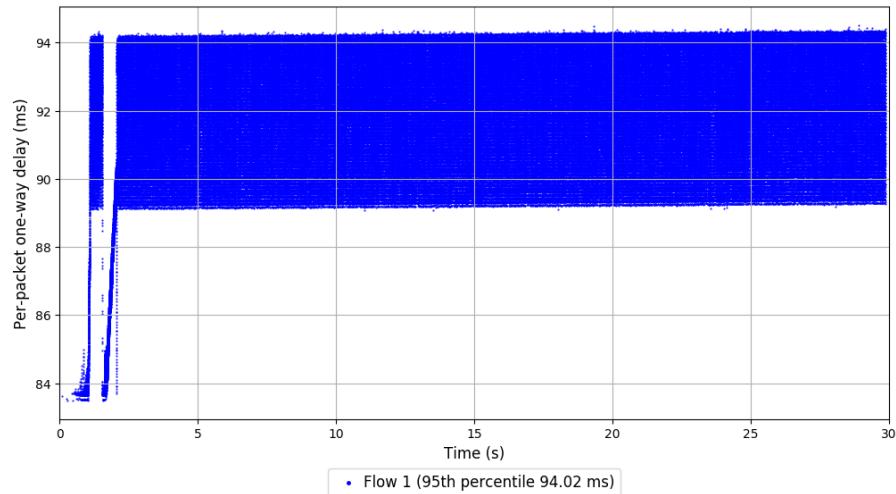
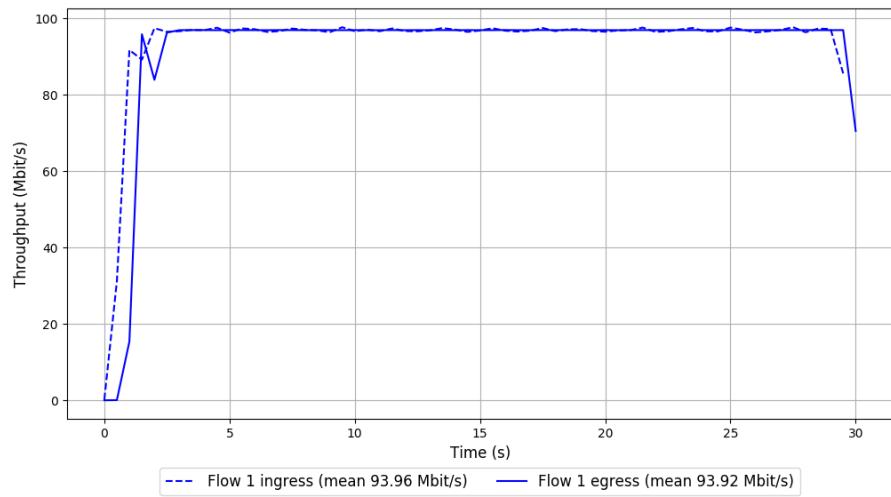


Run 8: Statistics of FillP

```
Start at: 2018-06-05 21:49:10
End at: 2018-06-05 21:49:40
Local clock offset: -7.563 ms
Remote clock offset: 7.347 ms

# Below is generated by plot.py at 2018-06-05 22:45:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 94.017 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 94.017 ms
Loss rate: 0.59%
```

Run 8: Report of FillP — Data Link

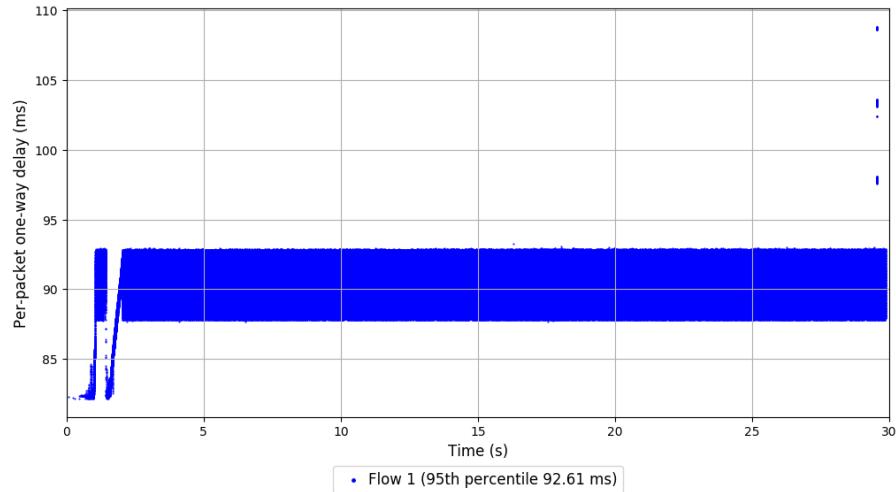
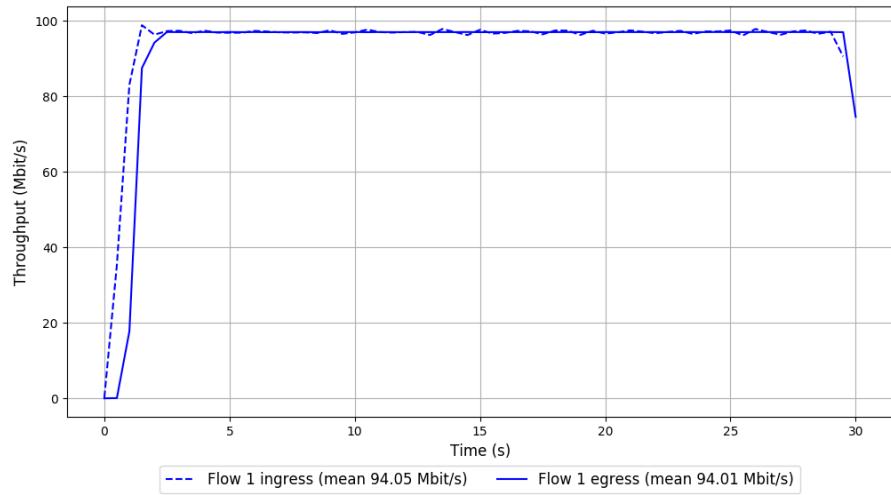


Run 9: Statistics of FillP

```
Start at: 2018-06-05 22:07:48
End at: 2018-06-05 22:08:18
Local clock offset: -8.656 ms
Remote clock offset: 10.891 ms

# Below is generated by plot.py at 2018-06-05 22:45:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 92.607 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 92.607 ms
Loss rate: 0.59%
```

Run 9: Report of FillP — Data Link

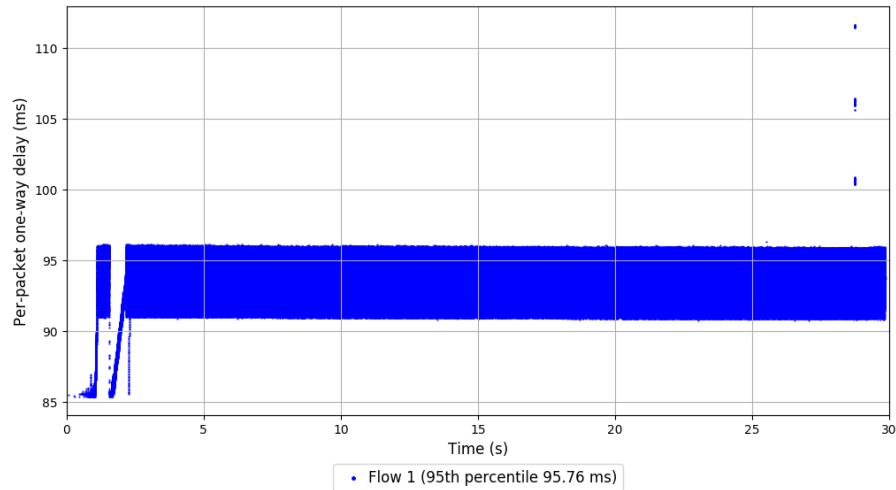
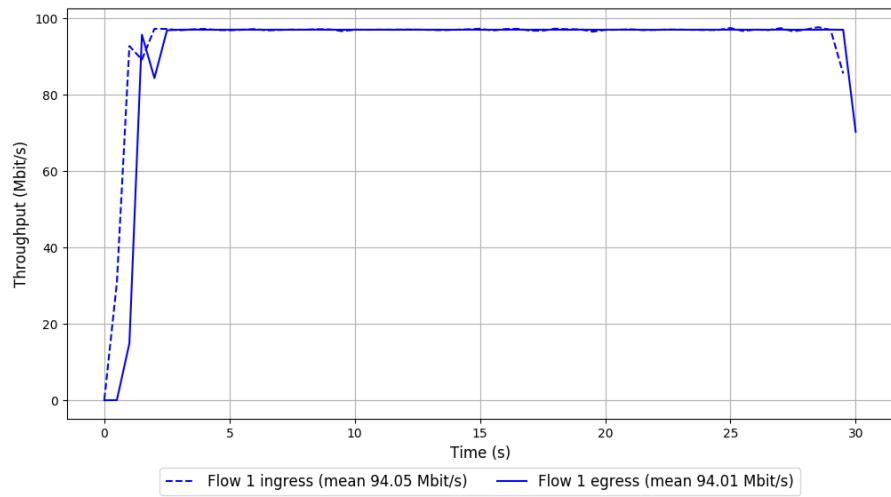


Run 10: Statistics of FillP

```
Start at: 2018-06-05 22:26:26
End at: 2018-06-05 22:26:56
Local clock offset: -6.494 ms
Remote clock offset: 6.63 ms

# Below is generated by plot.py at 2018-06-05 22:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 95.757 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 95.757 ms
Loss rate: 0.60%
```

Run 10: Report of FillP — Data Link

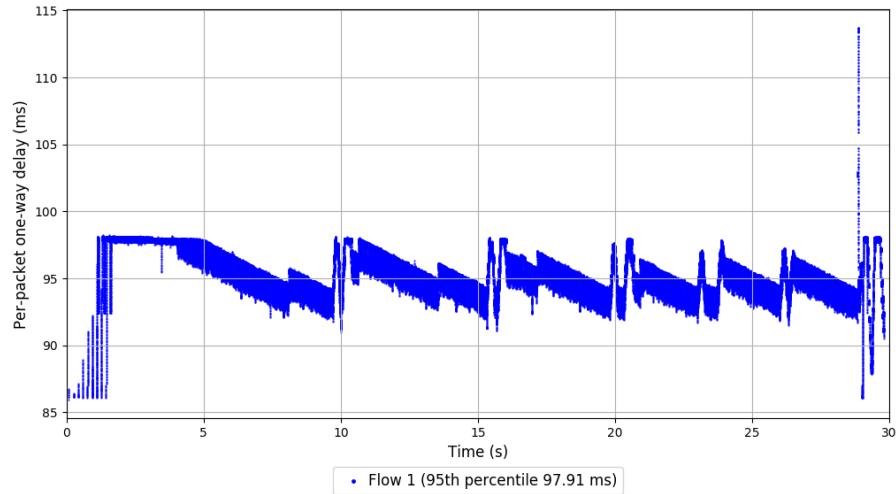
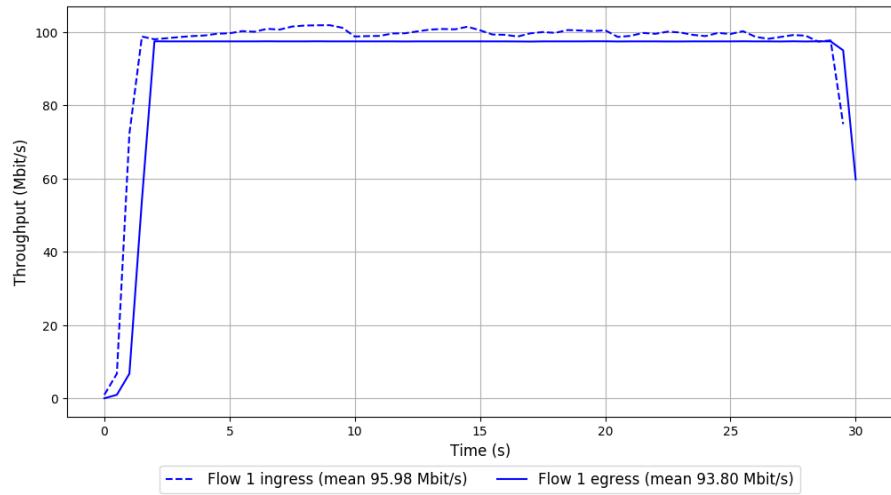


Run 1: Statistics of Indigo

```
Start at: 2018-06-05 19:47:59
End at: 2018-06-05 19:48:29
Local clock offset: -0.931 ms
Remote clock offset: 9.921 ms

# Below is generated by plot.py at 2018-06-05 22:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 97.905 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 97.905 ms
Loss rate: 2.81%
```

Run 1: Report of Indigo — Data Link

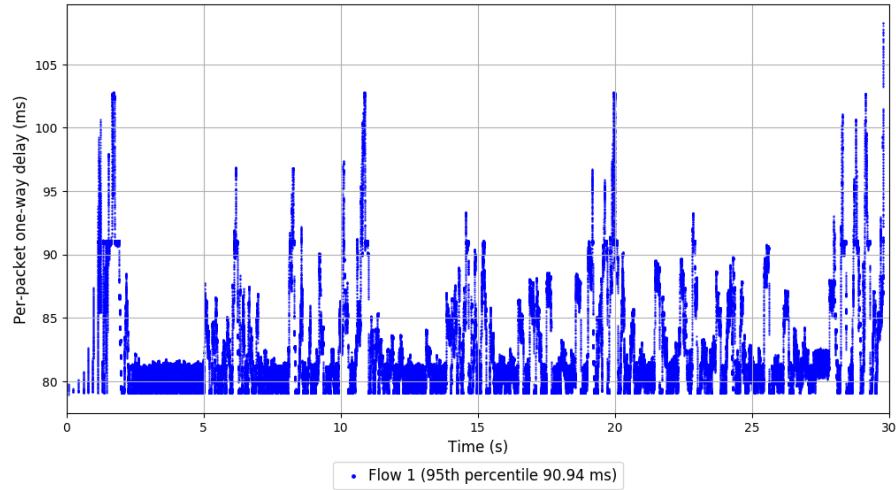
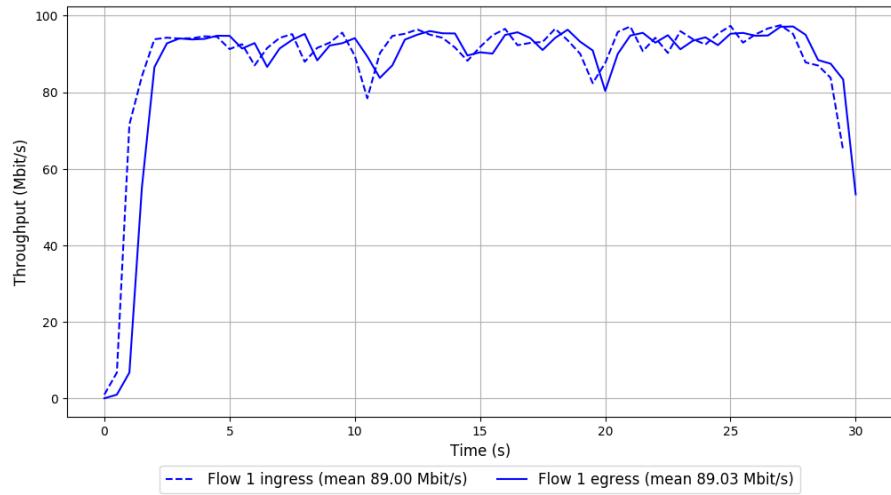


Run 2: Statistics of Indigo

```
Start at: 2018-06-05 20:06:36
End at: 2018-06-05 20:07:06
Local clock offset: -2.703 ms
Remote clock offset: 13.921 ms

# Below is generated by plot.py at 2018-06-05 22:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 90.941 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 90.941 ms
Loss rate: 0.52%
```

Run 2: Report of Indigo — Data Link

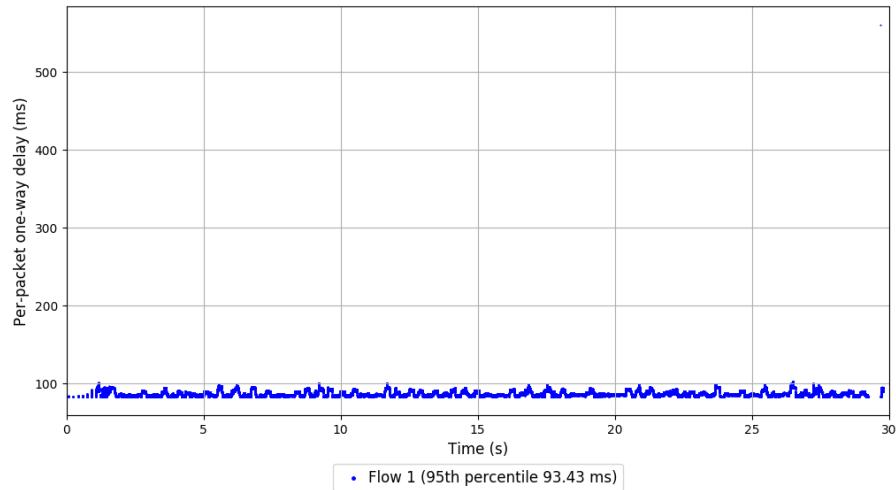
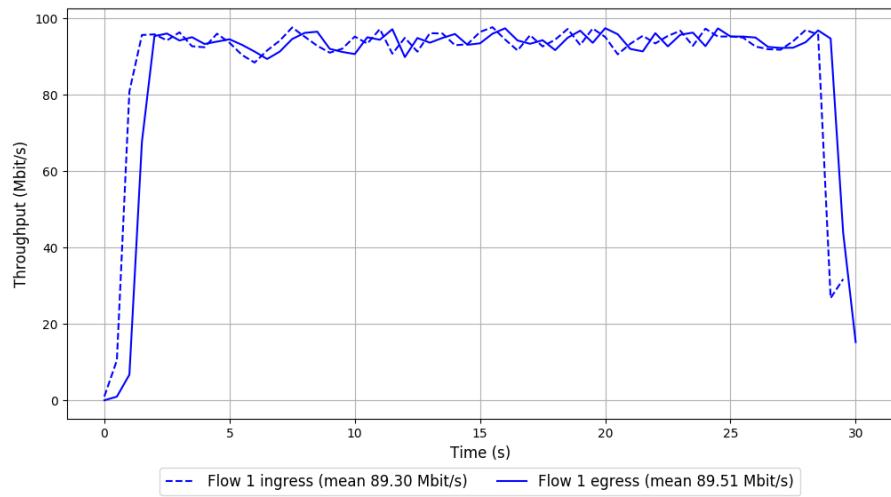


Run 3: Statistics of Indigo

```
Start at: 2018-06-05 20:25:15
End at: 2018-06-05 20:25:45
Local clock offset: -1.729 ms
Remote clock offset: 9.154 ms

# Below is generated by plot.py at 2018-06-05 22:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 93.433 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 93.433 ms
Loss rate: 0.34%
```

Run 3: Report of Indigo — Data Link

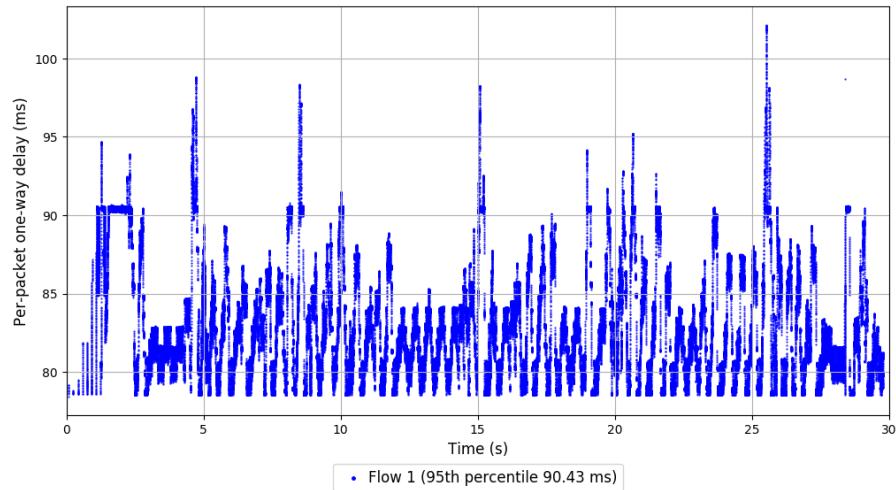
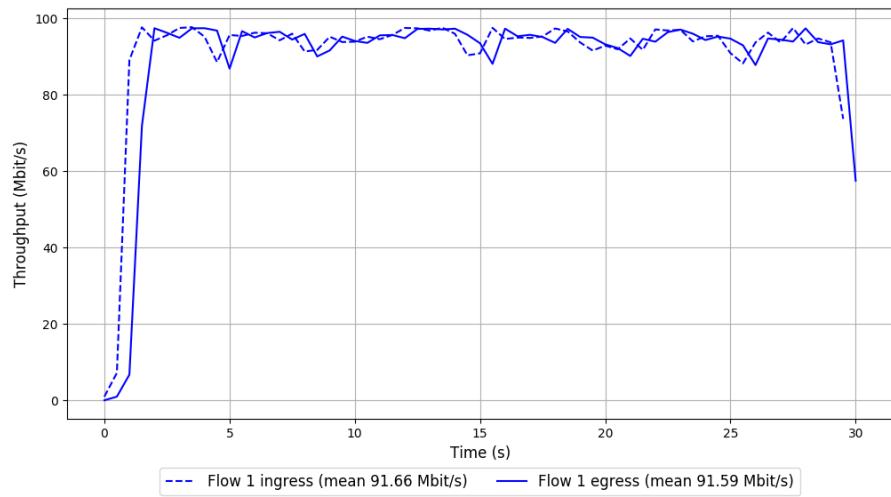


Run 4: Statistics of Indigo

```
Start at: 2018-06-05 20:43:59
End at: 2018-06-05 20:44:29
Local clock offset: -5.433 ms
Remote clock offset: 9.498 ms

# Below is generated by plot.py at 2018-06-05 22:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 90.430 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 90.430 ms
Loss rate: 0.62%
```

Run 4: Report of Indigo — Data Link

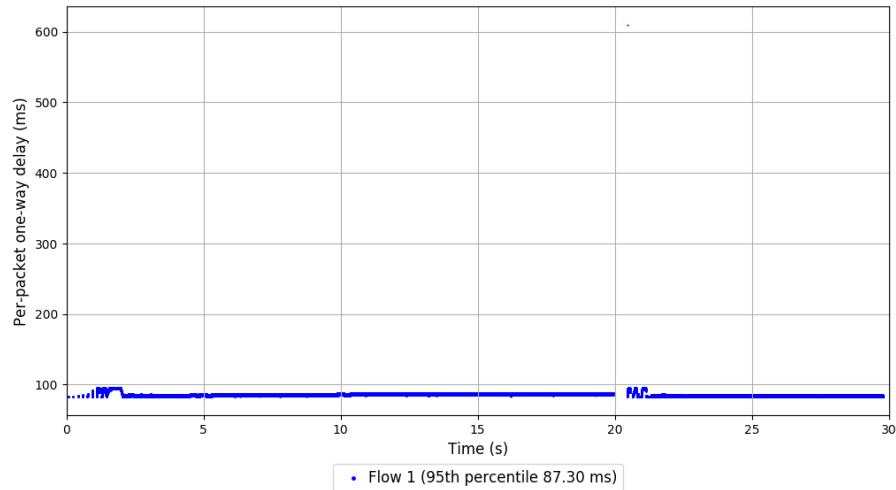
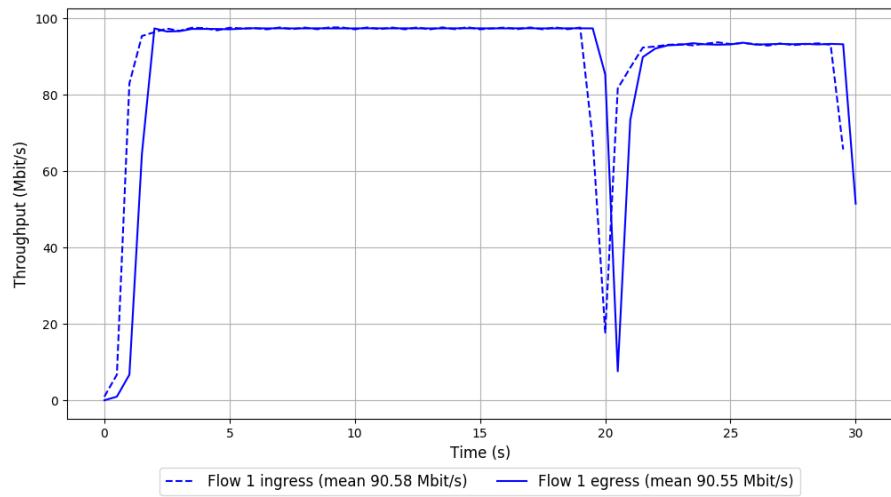


Run 5: Statistics of Indigo

```
Start at: 2018-06-05 21:02:37
End at: 2018-06-05 21:03:07
Local clock offset: -9.522 ms
Remote clock offset: 2.743 ms

# Below is generated by plot.py at 2018-06-05 22:46:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 87.301 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 87.301 ms
Loss rate: 0.55%
```

Run 5: Report of Indigo — Data Link

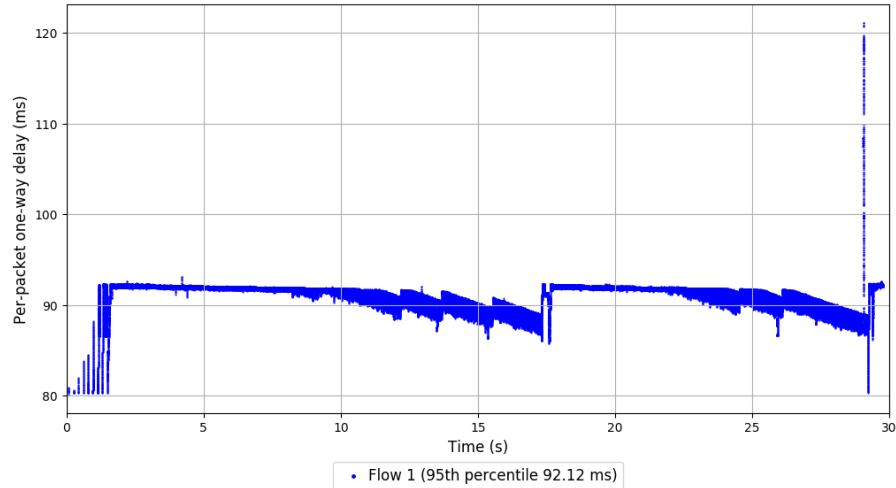
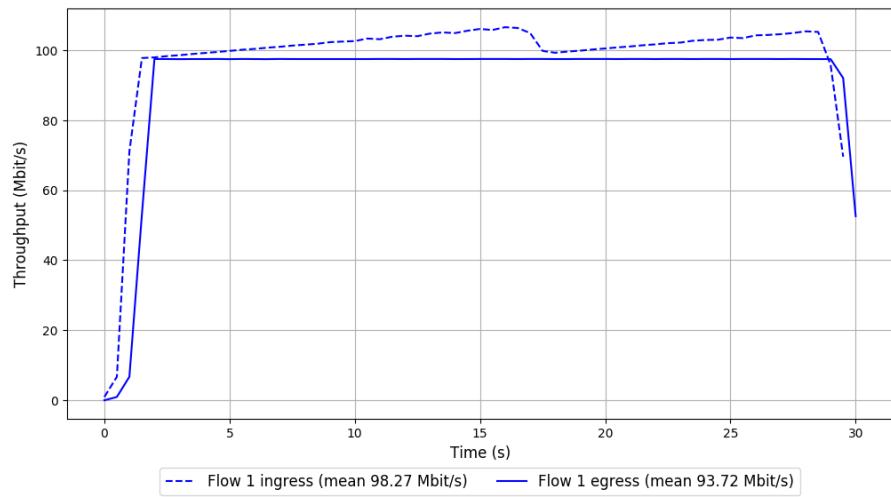


Run 6: Statistics of Indigo

```
Start at: 2018-06-05 21:21:16
End at: 2018-06-05 21:21:46
Local clock offset: -9.471 ms
Remote clock offset: 8.854 ms

# Below is generated by plot.py at 2018-06-05 22:46:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 92.121 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 92.121 ms
Loss rate: 5.16%
```

Run 6: Report of Indigo — Data Link

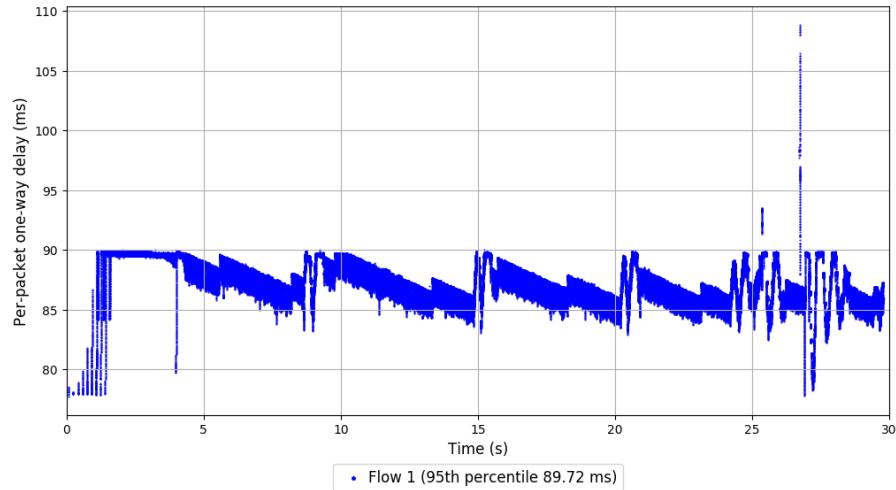
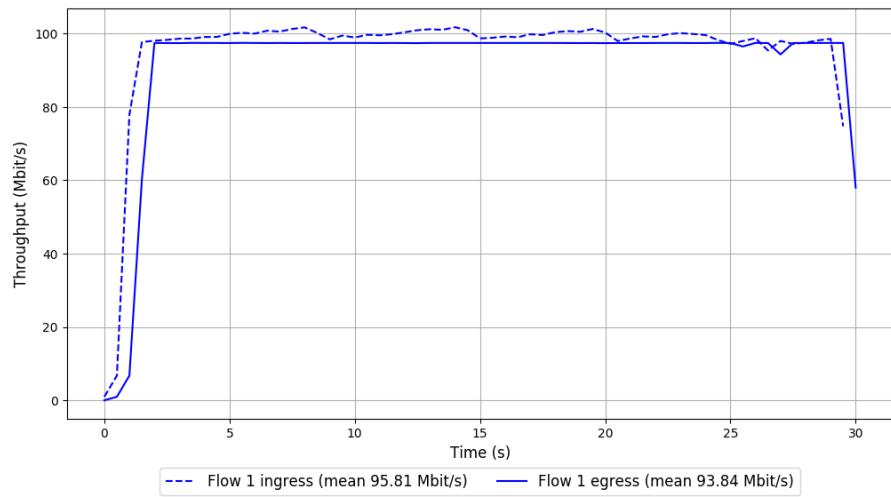


Run 7: Statistics of Indigo

```
Start at: 2018-06-05 21:39:55
End at: 2018-06-05 21:40:25
Local clock offset: -9.808 ms
Remote clock offset: 8.636 ms

# Below is generated by plot.py at 2018-06-05 22:47:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 89.718 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 89.718 ms
Loss rate: 2.58%
```

Run 7: Report of Indigo — Data Link

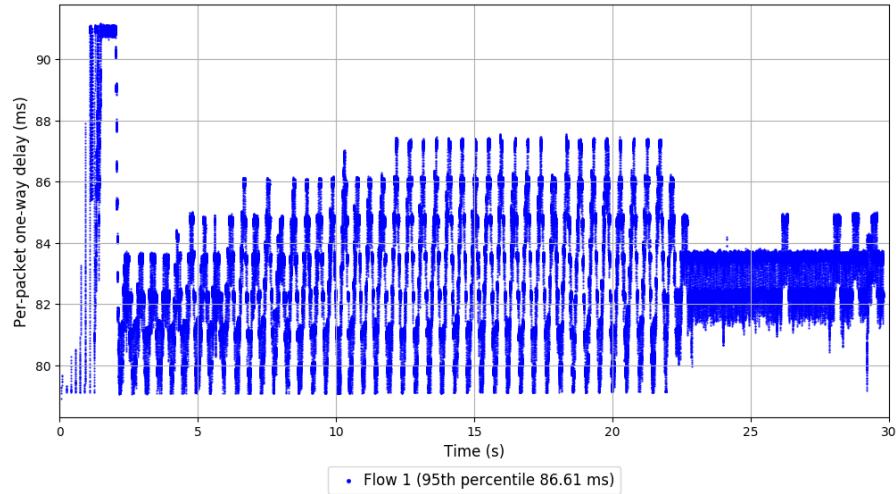
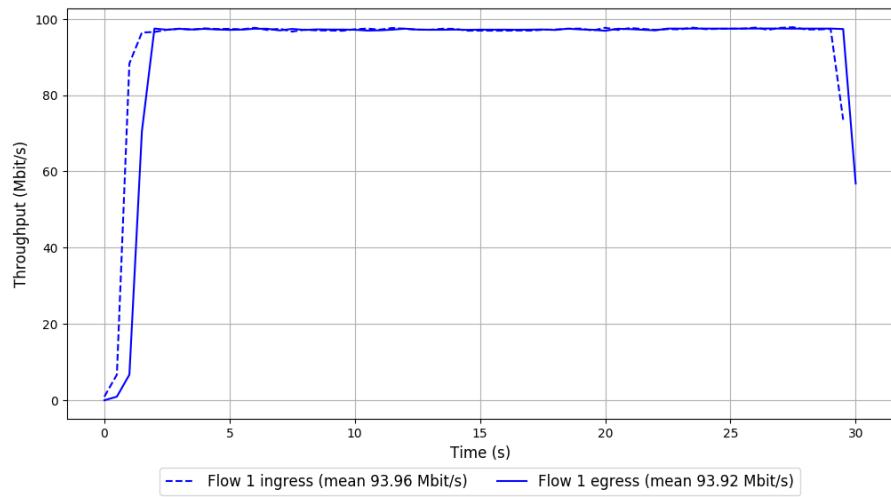


Run 8: Statistics of Indigo

```
Start at: 2018-06-05 21:58:34
End at: 2018-06-05 21:59:04
Local clock offset: -9.015 ms
Remote clock offset: 14.781 ms

# Below is generated by plot.py at 2018-06-05 22:47:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.59%
```

Run 8: Report of Indigo — Data Link

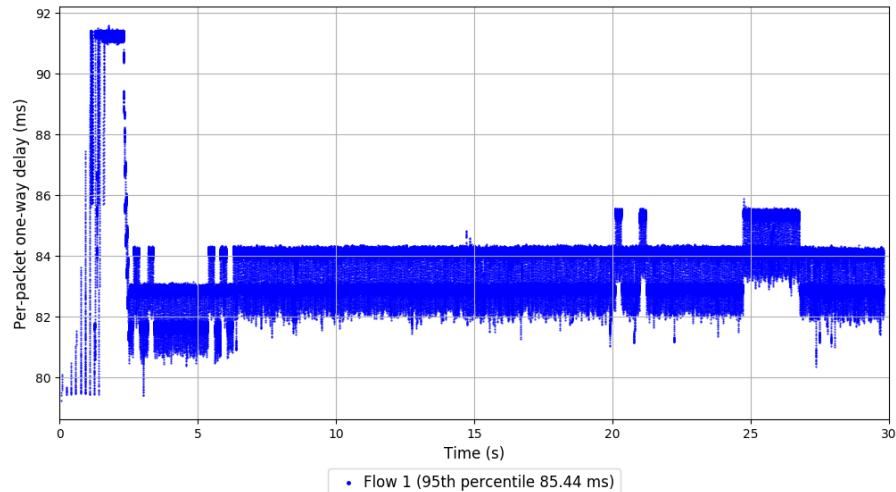
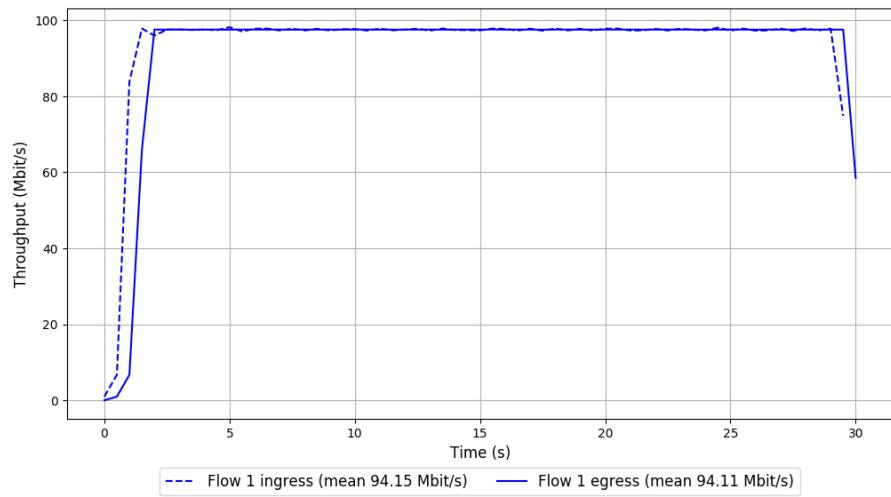


Run 9: Statistics of Indigo

```
Start at: 2018-06-05 22:17:11
End at: 2018-06-05 22:17:41
Local clock offset: -8.214 ms
Remote clock offset: 16.836 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 85.442 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 85.442 ms
Loss rate: 0.59%
```

Run 9: Report of Indigo — Data Link

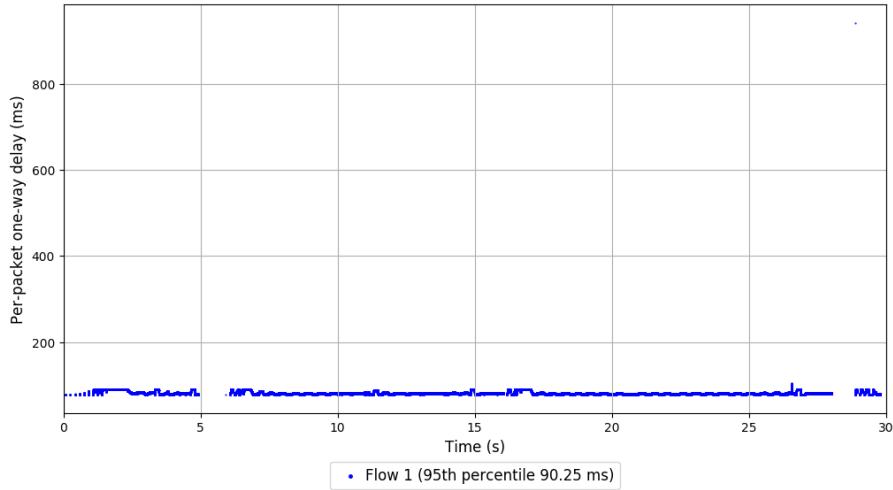
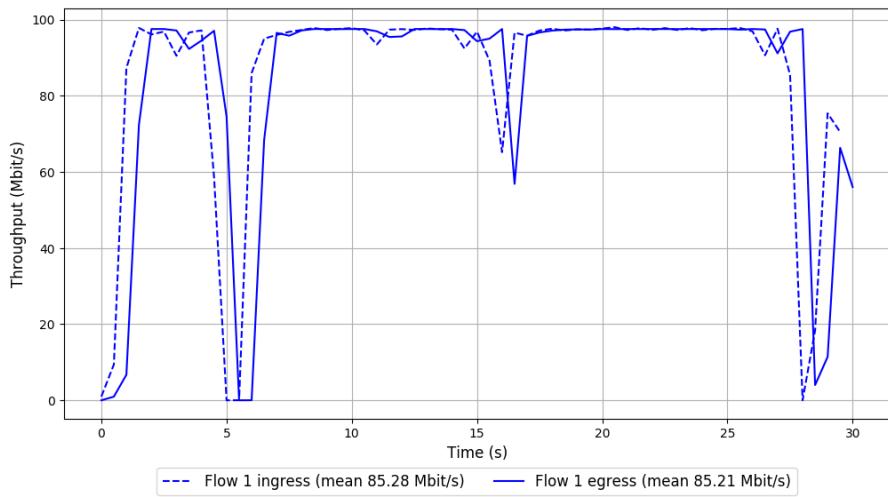


Run 10: Statistics of Indigo

```
Start at: 2018-06-05 22:35:52
End at: 2018-06-05 22:36:22
Local clock offset: -6.256 ms
Remote clock offset: 8.34 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 90.252 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 90.252 ms
Loss rate: 0.62%
```

Run 10: Report of Indigo — Data Link

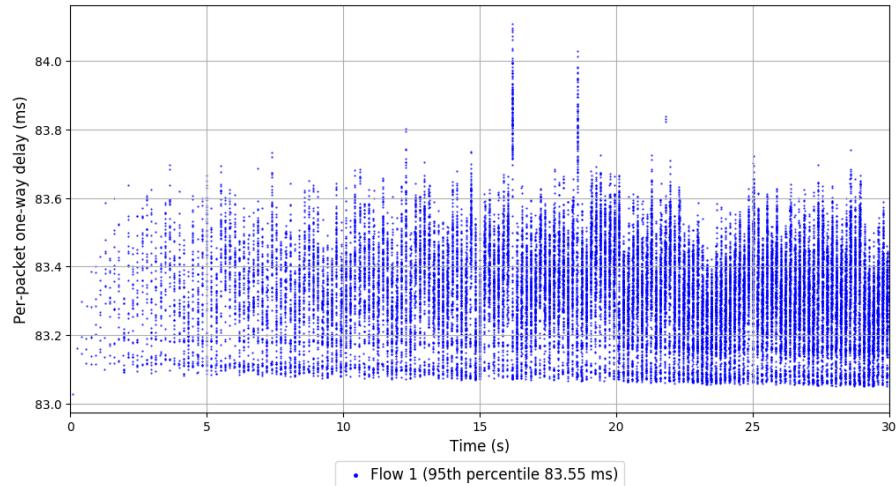
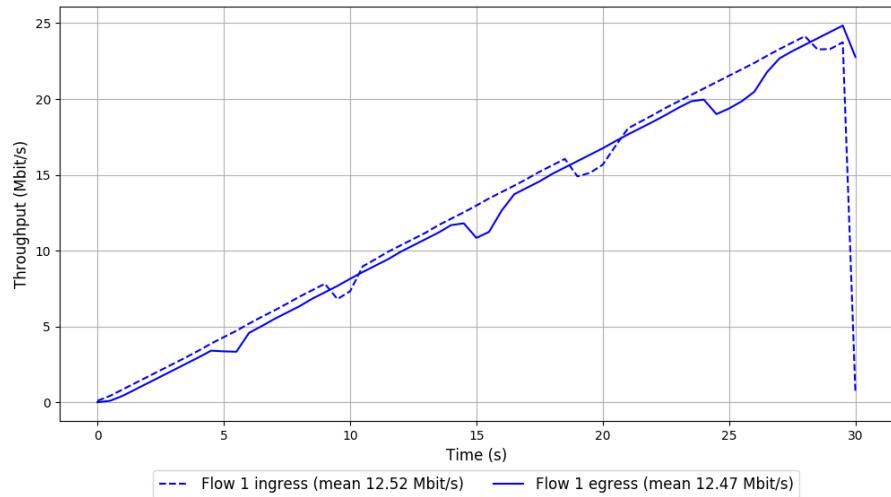


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-06-05 19:39:46
End at: 2018-06-05 19:40:16
Local clock offset: -0.956 ms
Remote clock offset: 10.319 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 83.548 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 83.548 ms
Loss rate: 0.93%
```

Run 1: Report of LEDBAT — Data Link

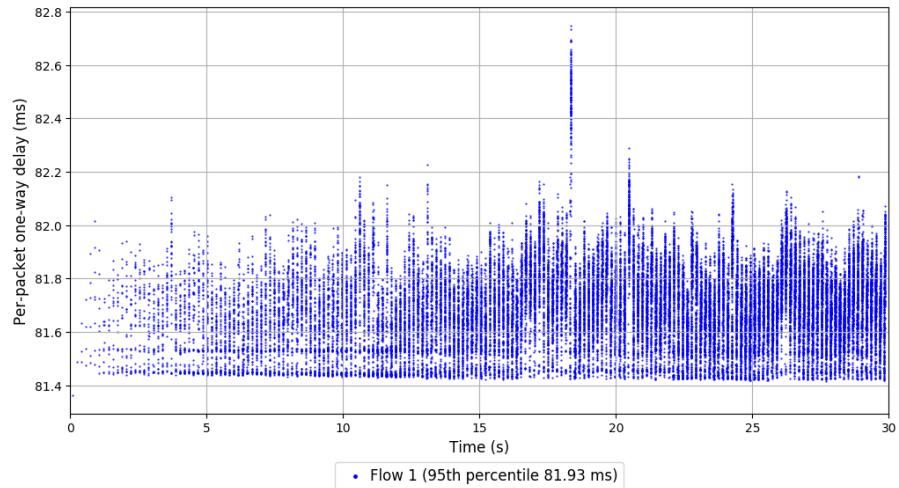
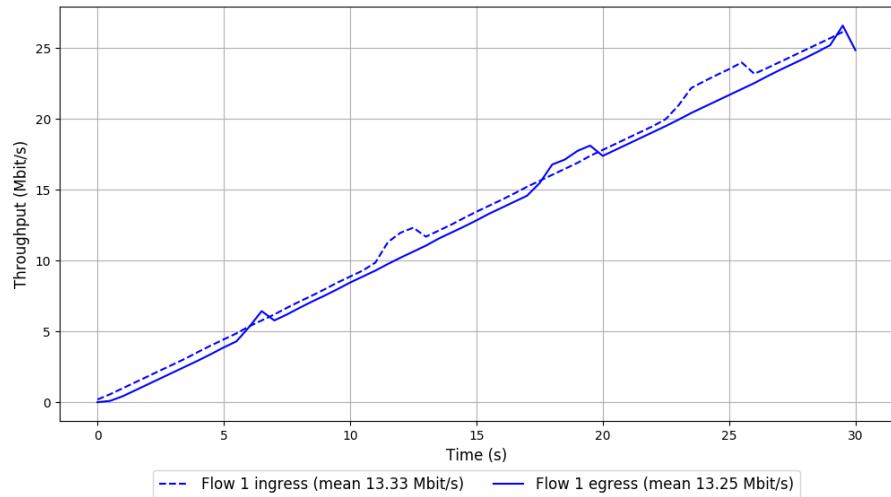


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-05 19:58:24
End at: 2018-06-05 19:58:54
Local clock offset: -2.446 ms
Remote clock offset: 10.68 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 81.934 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 81.934 ms
Loss rate: 1.10%
```

Run 2: Report of LEDBAT — Data Link

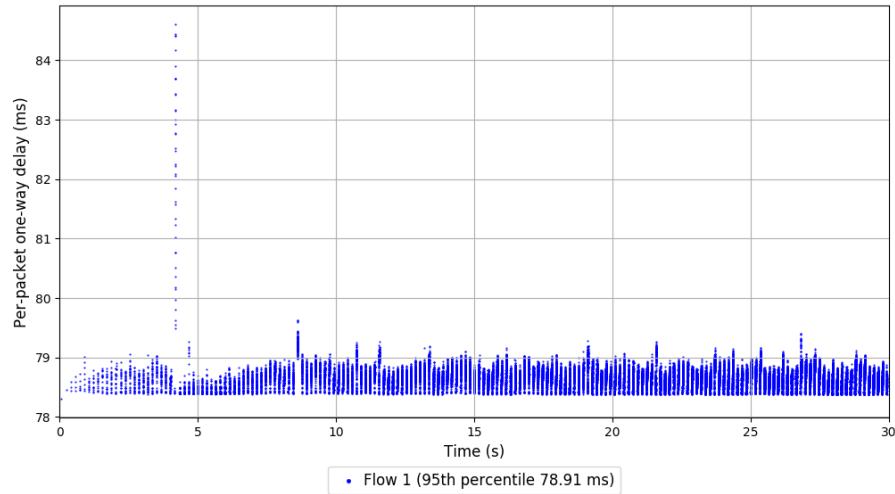
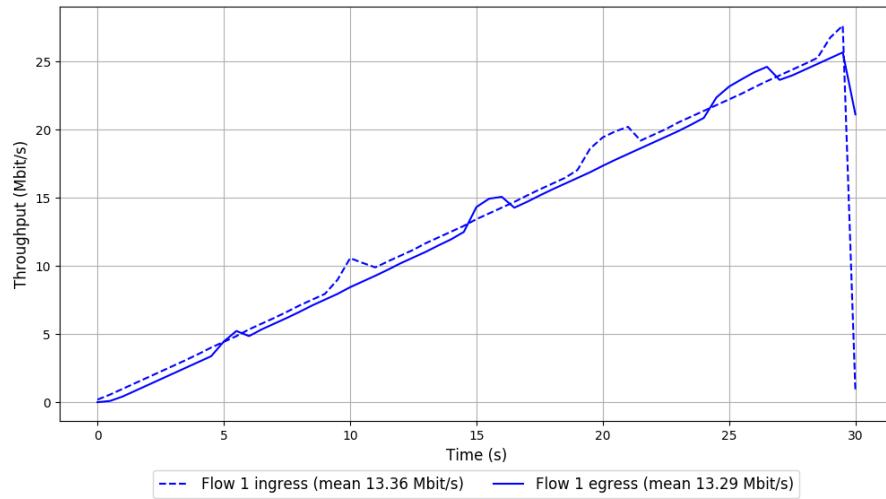


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-05 20:17:01
End at: 2018-06-05 20:17:31
Local clock offset: -1.543 ms
Remote clock offset: 13.392 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 78.914 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 78.914 ms
Loss rate: 1.05%
```

Run 3: Report of LEDBAT — Data Link

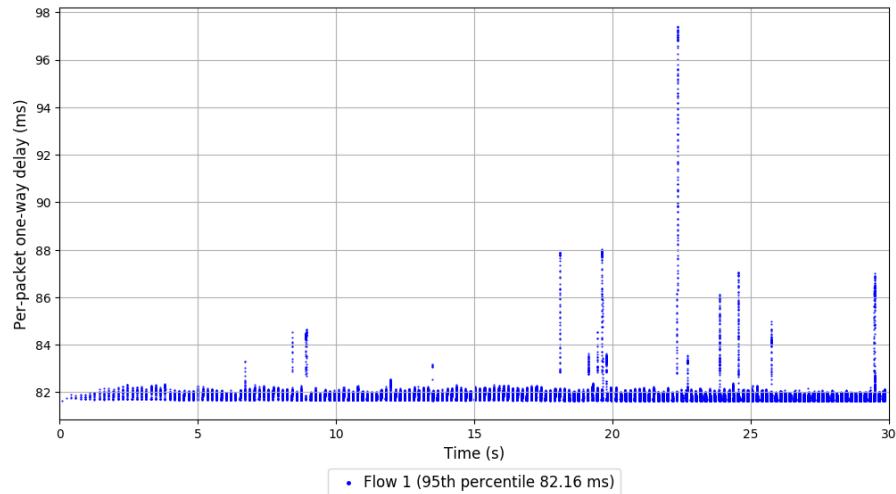
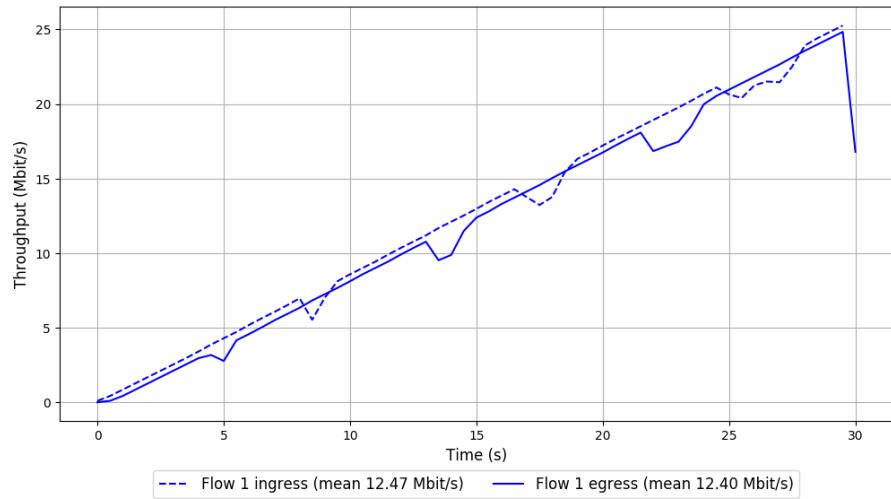


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-05 20:35:45
End at: 2018-06-05 20:36:15
Local clock offset: -3.606 ms
Remote clock offset: 8.624 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 82.162 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 82.162 ms
Loss rate: 1.13%
```

Run 4: Report of LEDBAT — Data Link

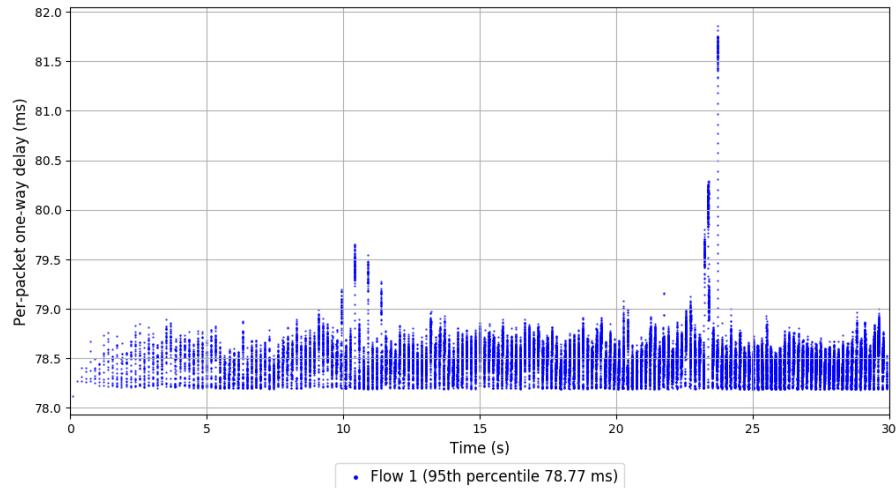
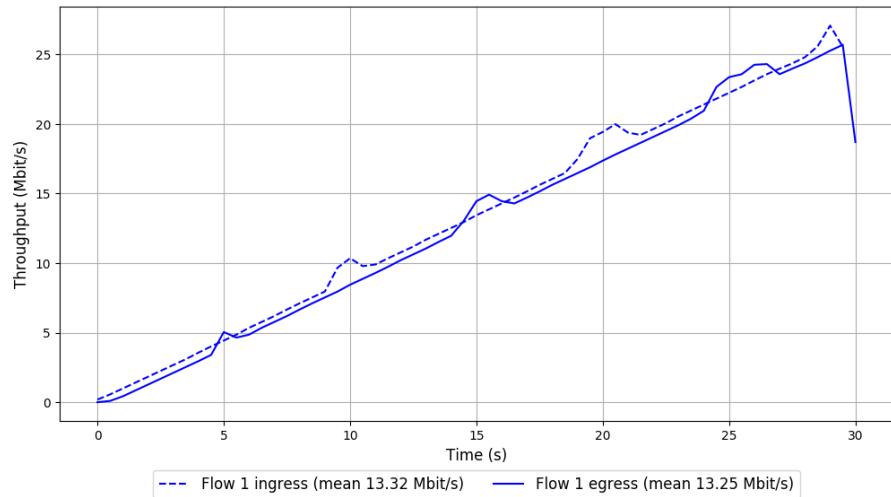


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-05 20:54:24
End at: 2018-06-05 20:54:54
Local clock offset: -7.86 ms
Remote clock offset: 7.533 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 78.765 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 78.765 ms
Loss rate: 1.07%
```

Run 5: Report of LEDBAT — Data Link

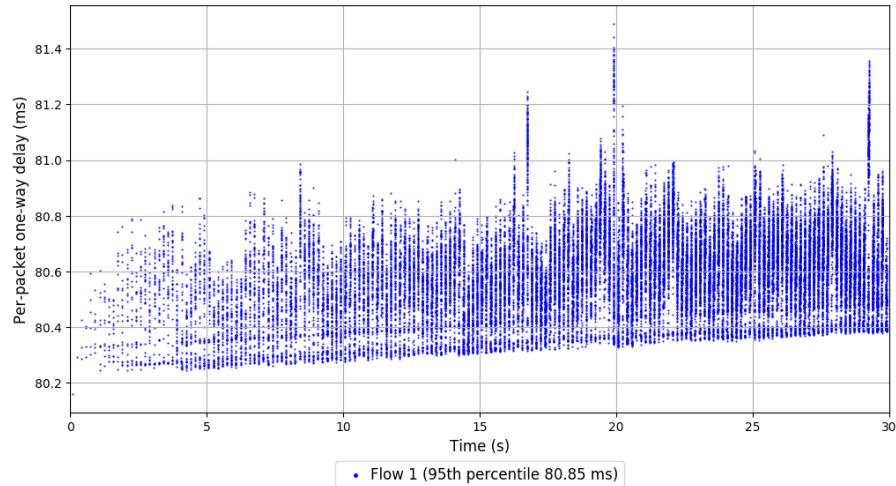
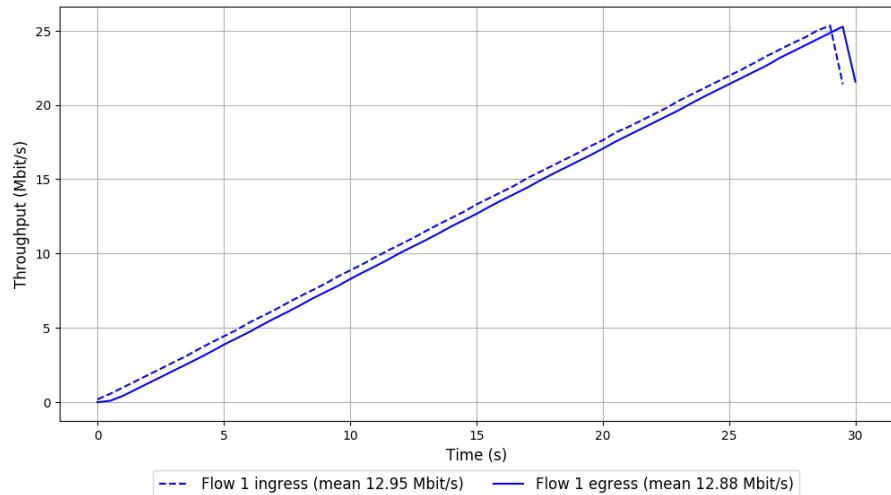


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-05 21:13:01
End at: 2018-06-05 21:13:31
Local clock offset: -8.988 ms
Remote clock offset: 7.375 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 80.848 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 80.848 ms
Loss rate: 1.07%
```

Run 6: Report of LEDBAT — Data Link

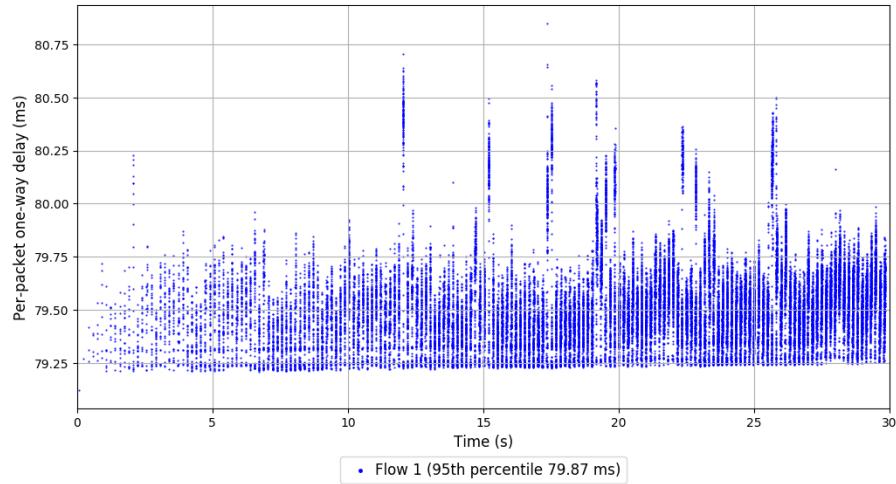
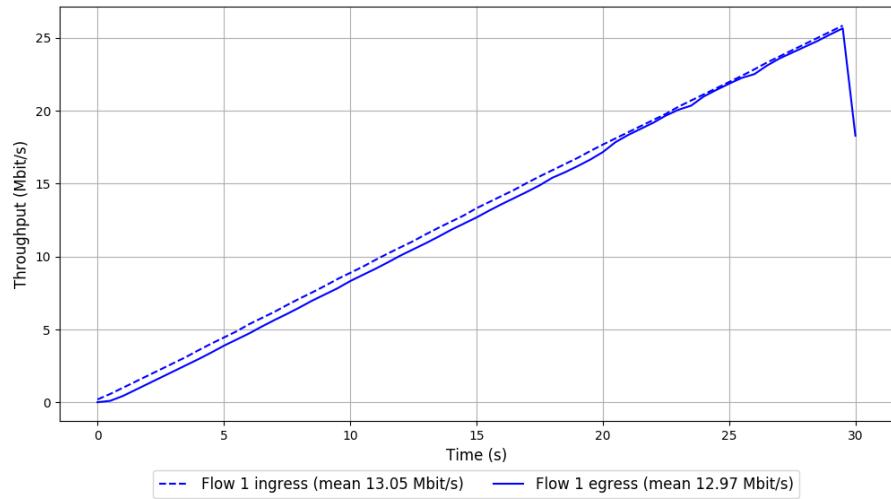


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-05 21:31:40
End at: 2018-06-05 21:32:10
Local clock offset: -9.995 ms
Remote clock offset: 10.584 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 79.868 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 79.868 ms
Loss rate: 1.11%
```

Run 7: Report of LEDBAT — Data Link

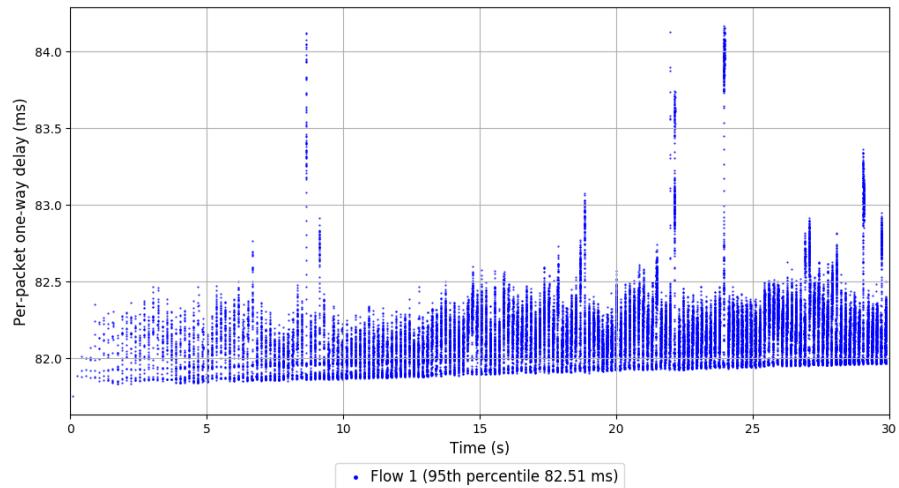
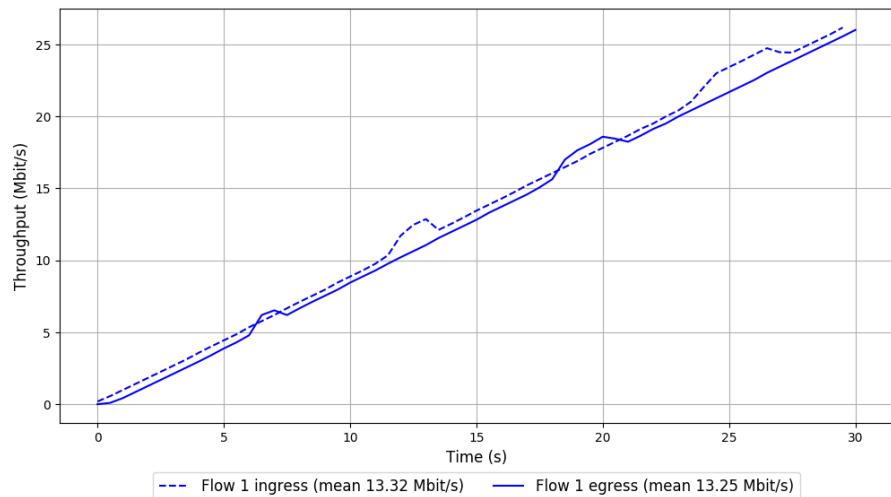


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-05 21:50:20
End at: 2018-06-05 21:50:50
Local clock offset: -7.601 ms
Remote clock offset: 11.723 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 82.514 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 82.514 ms
Loss rate: 1.10%
```

Run 8: Report of LEDBAT — Data Link

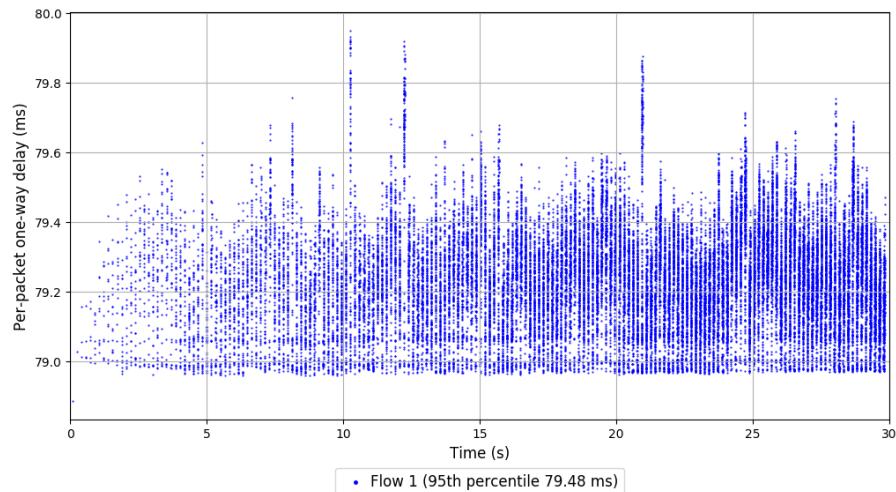
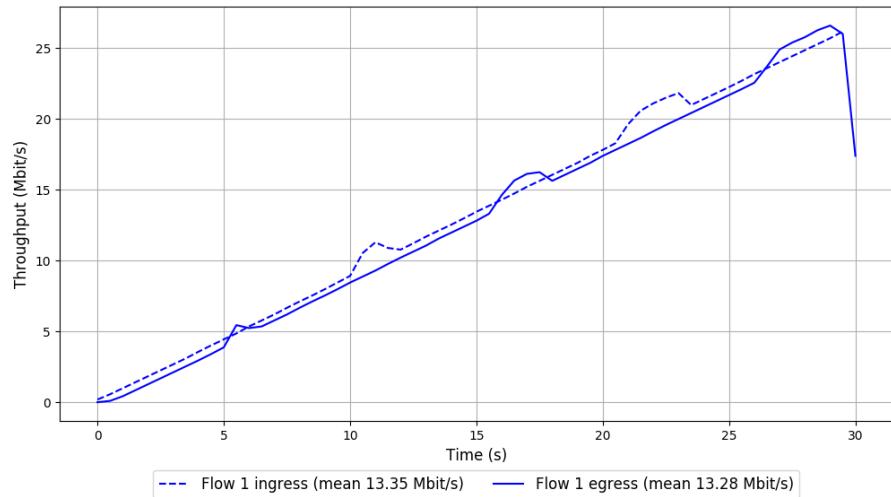


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-05 22:08:58
End at: 2018-06-05 22:09:28
Local clock offset: -7.791 ms
Remote clock offset: 14.99 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 79.476 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 79.476 ms
Loss rate: 1.10%
```

Run 9: Report of LEDBAT — Data Link

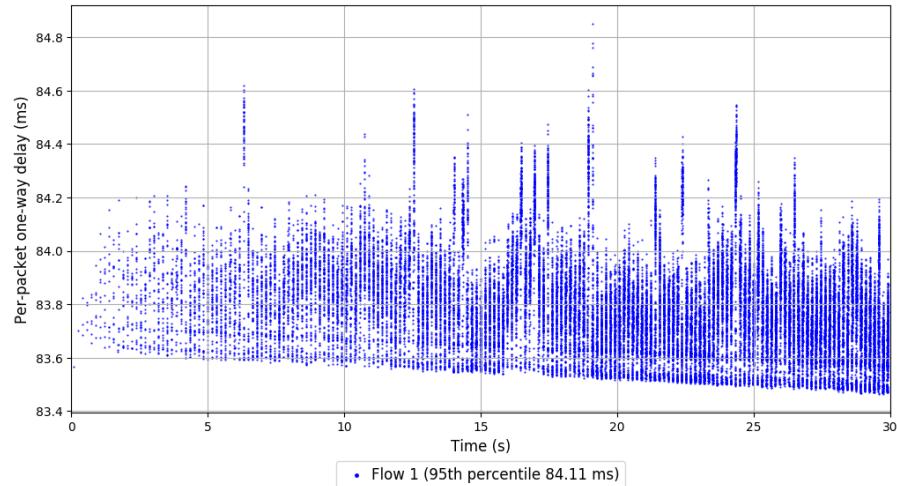
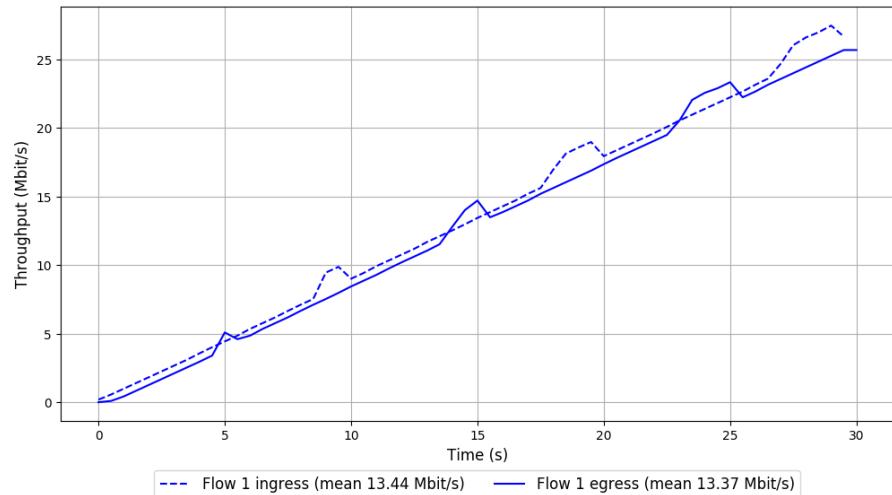


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-05 22:27:37
End at: 2018-06-05 22:28:07
Local clock offset: -6.487 ms
Remote clock offset: 6.288 ms

# Below is generated by plot.py at 2018-06-05 22:47:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 84.110 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 84.110 ms
Loss rate: 1.06%
```

Run 10: Report of LEDBAT — Data Link

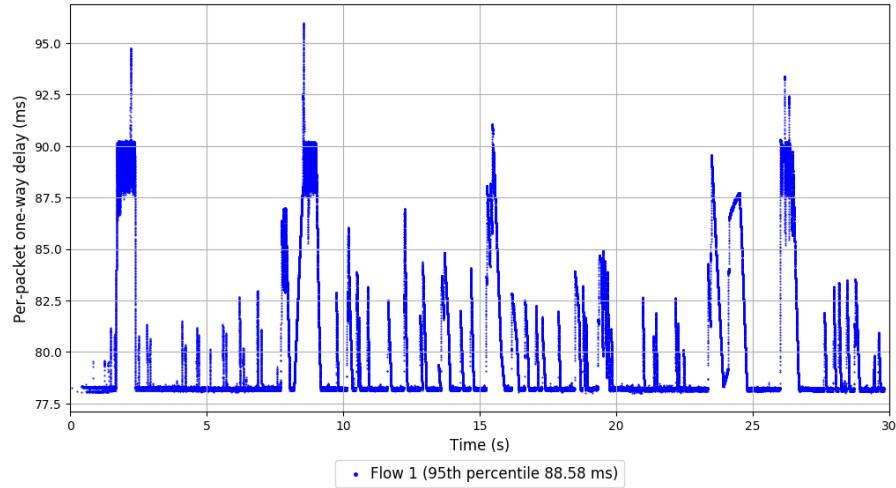
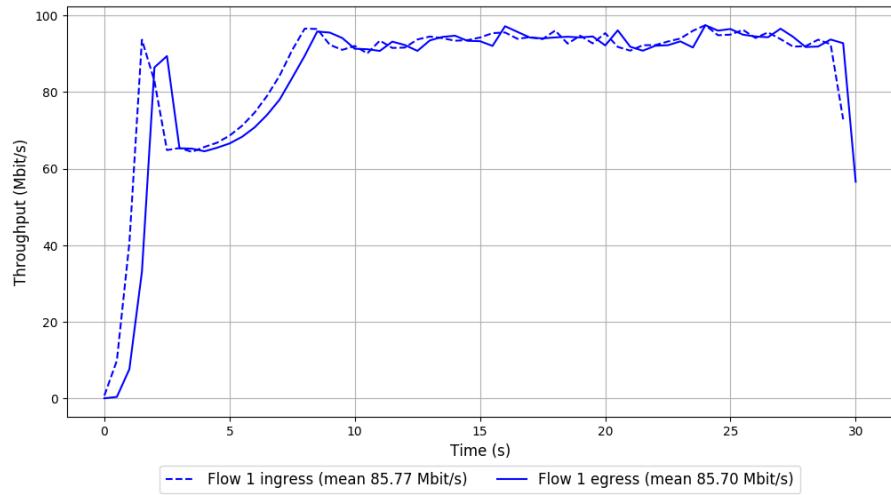


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-05 19:37:26
End at: 2018-06-05 19:37:56
Local clock offset: -1.792 ms
Remote clock offset: 16.641 ms

# Below is generated by plot.py at 2018-06-05 22:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 88.579 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 88.579 ms
Loss rate: 0.63%
```

Run 1: Report of PCC-Allegro — Data Link

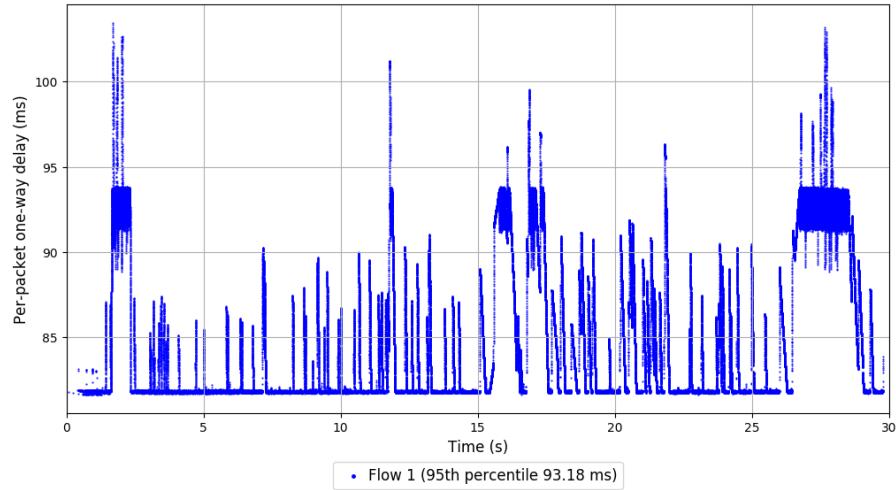
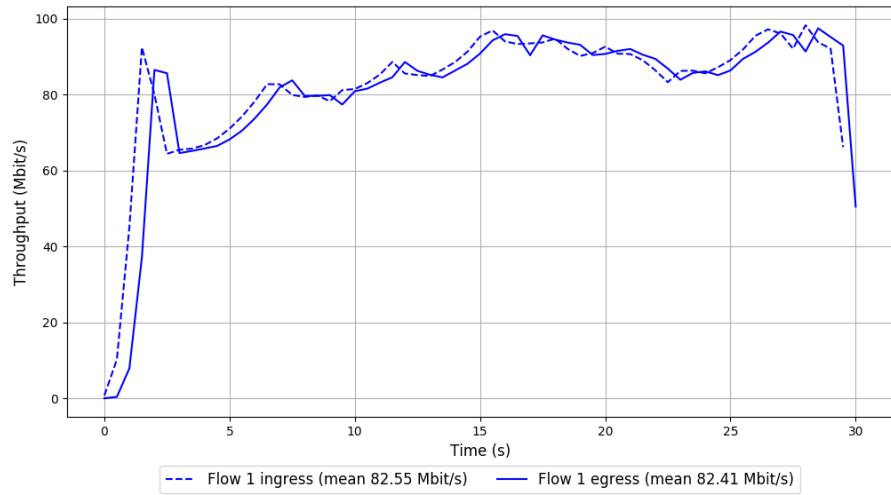


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-05 19:56:04
End at: 2018-06-05 19:56:34
Local clock offset: -1.685 ms
Remote clock offset: 10.738 ms

# Below is generated by plot.py at 2018-06-05 22:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.41 Mbit/s
95th percentile per-packet one-way delay: 93.176 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 82.41 Mbit/s
95th percentile per-packet one-way delay: 93.176 ms
Loss rate: 0.71%
```

Run 2: Report of PCC-Allegro — Data Link

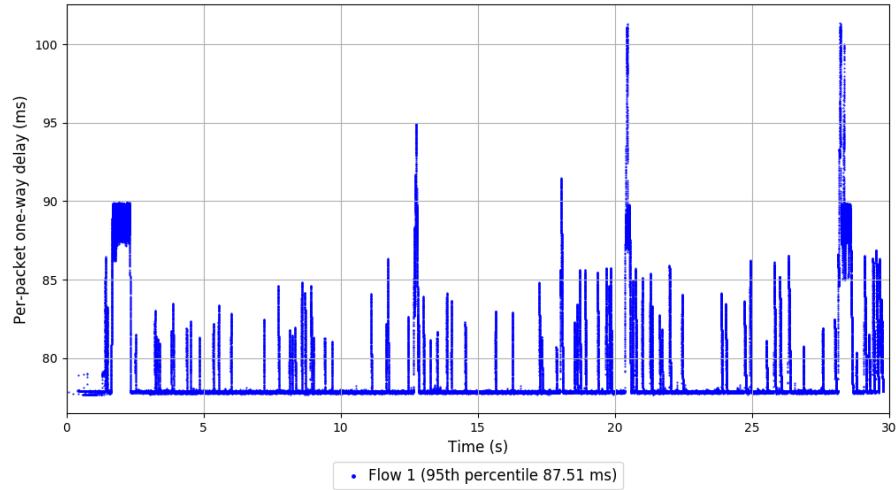
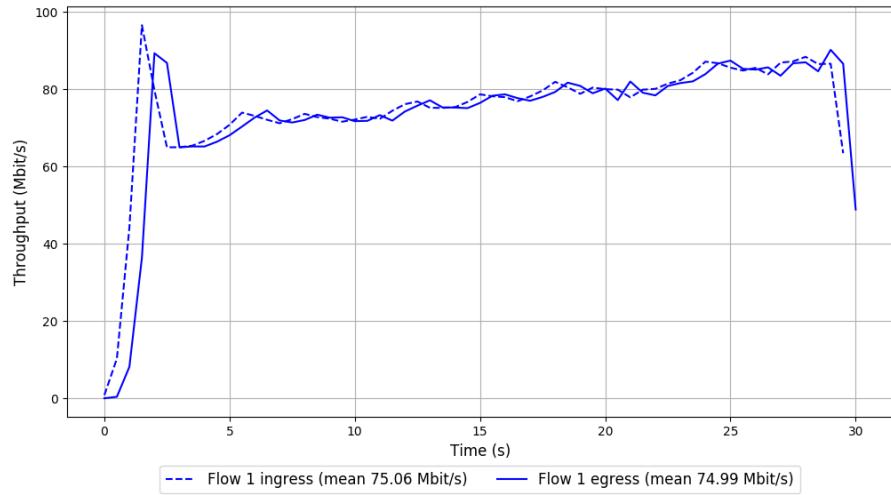


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-05 20:14:41
End at: 2018-06-05 20:15:11
Local clock offset: -1.472 ms
Remote clock offset: 13.623 ms

# Below is generated by plot.py at 2018-06-05 22:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 87.507 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 87.507 ms
Loss rate: 0.64%
```

Run 3: Report of PCC-Allegro — Data Link

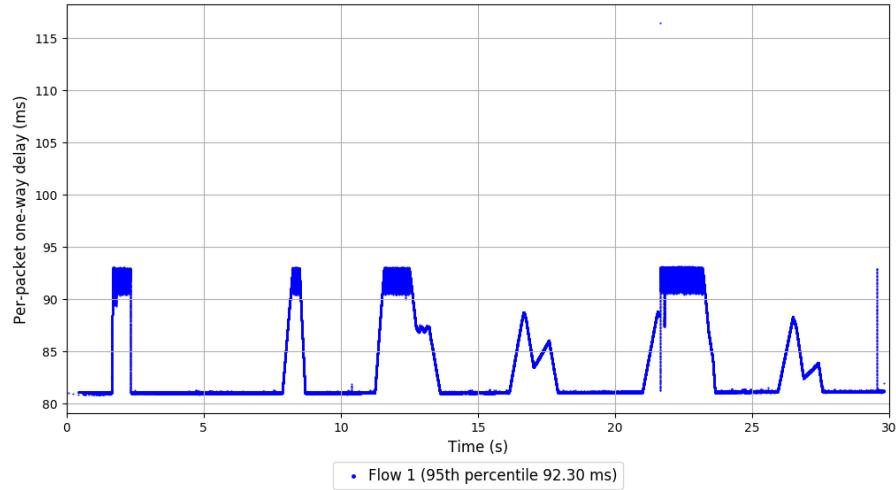
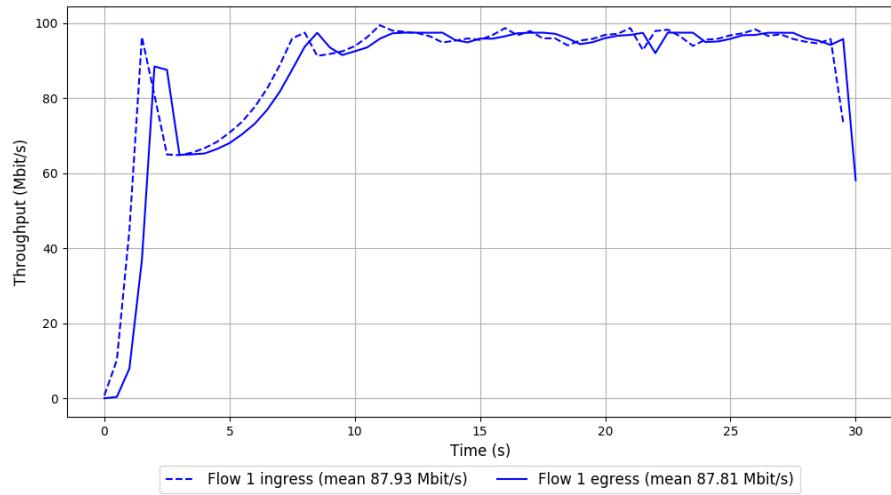


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-05 20:33:20
End at: 2018-06-05 20:33:50
Local clock offset: -2.596 ms
Remote clock offset: 11.769 ms

# Below is generated by plot.py at 2018-06-05 22:47:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 92.299 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 92.299 ms
Loss rate: 0.69%
```

Run 4: Report of PCC-Allegro — Data Link

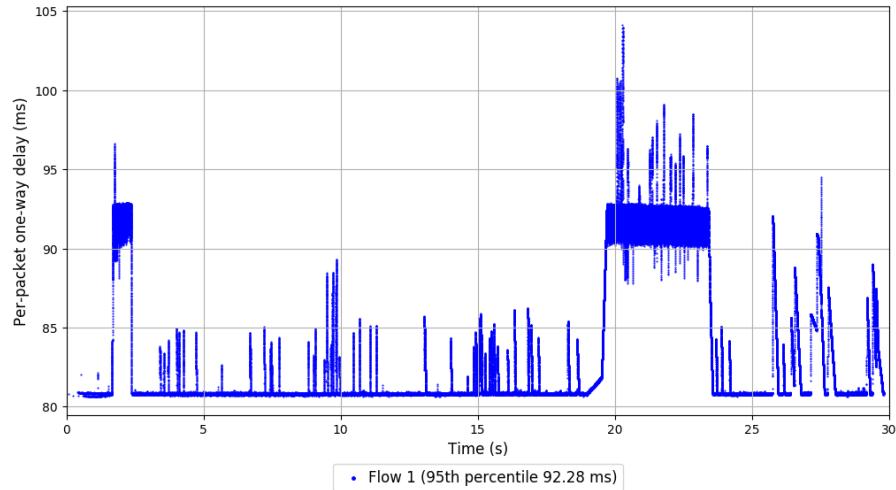
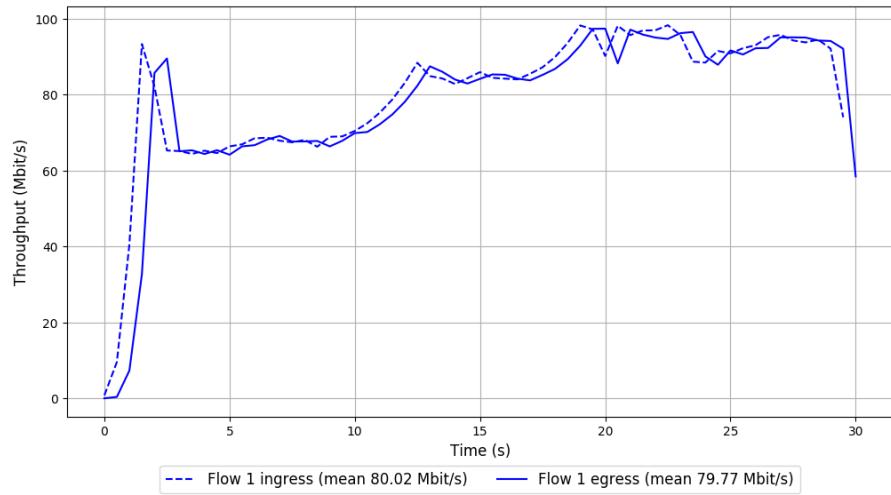


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-05 20:52:04
End at: 2018-06-05 20:52:34
Local clock offset: -8.418 ms
Remote clock offset: 4.035 ms

# Below is generated by plot.py at 2018-06-05 22:48:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.77 Mbit/s
95th percentile per-packet one-way delay: 92.279 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 79.77 Mbit/s
95th percentile per-packet one-way delay: 92.279 ms
Loss rate: 0.85%
```

Run 5: Report of PCC-Allegro — Data Link

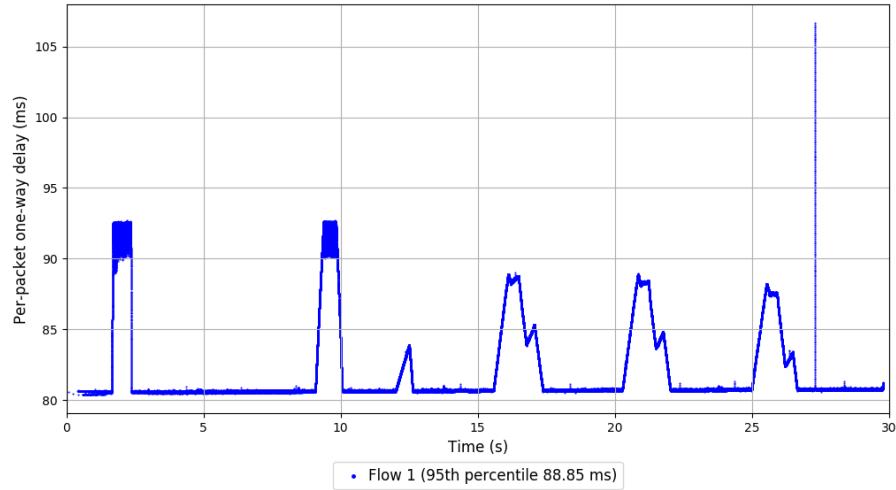
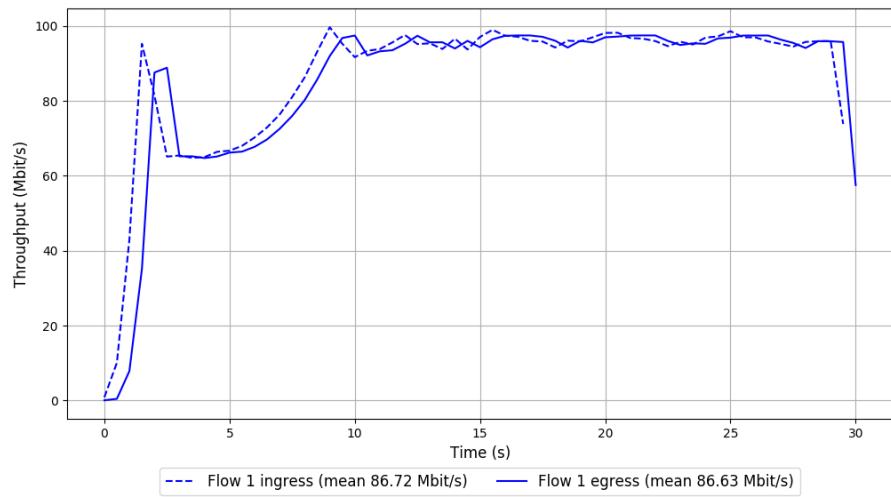


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-05 21:10:41
End at: 2018-06-05 21:11:11
Local clock offset: -9.741 ms
Remote clock offset: 2.668 ms

# Below is generated by plot.py at 2018-06-05 22:48:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 88.850 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 88.850 ms
Loss rate: 0.65%
```

Run 6: Report of PCC-Allegro — Data Link

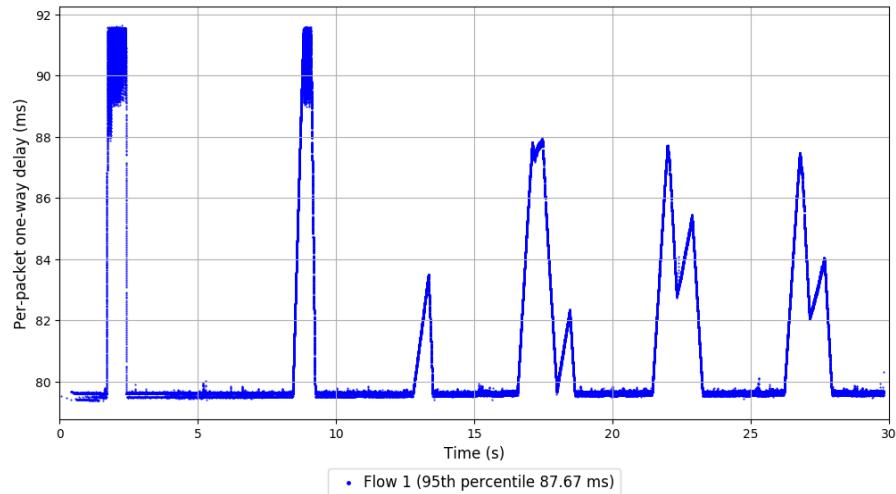
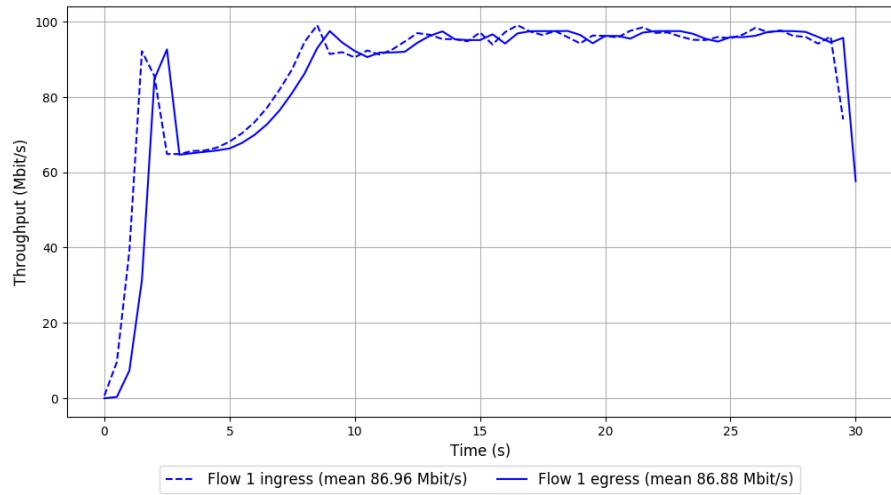


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-05 21:29:20
End at: 2018-06-05 21:29:50
Local clock offset: -9.849 ms
Remote clock offset: 9.505 ms

# Below is generated by plot.py at 2018-06-05 22:48:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 87.670 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 87.670 ms
Loss rate: 0.63%
```

Run 7: Report of PCC-Allegro — Data Link

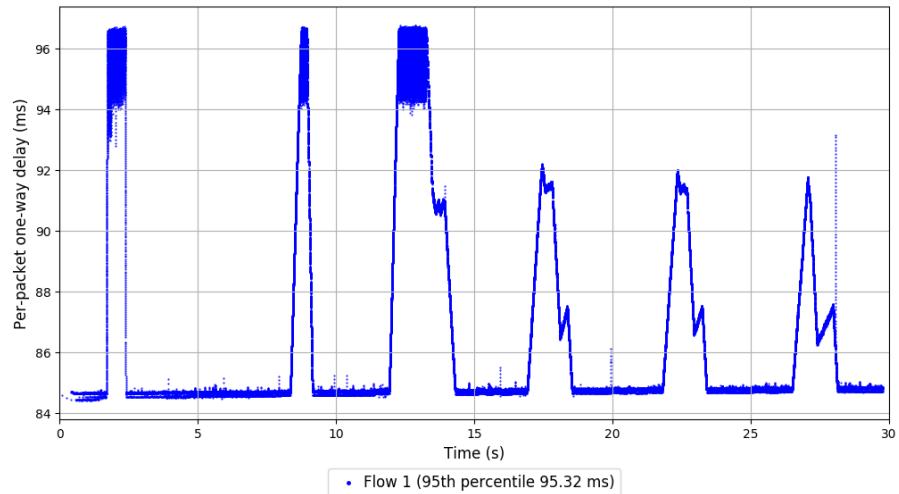
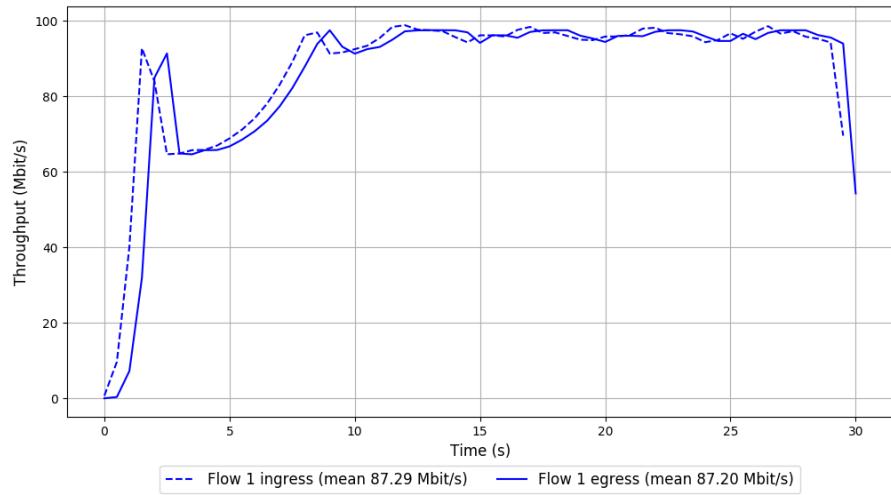


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-05 21:48:00
End at: 2018-06-05 21:48:30
Local clock offset: -7.68 ms
Remote clock offset: 8.027 ms

# Below is generated by plot.py at 2018-06-05 22:48:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 95.319 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 95.319 ms
Loss rate: 0.65%
```

Run 8: Report of PCC-Allegro — Data Link

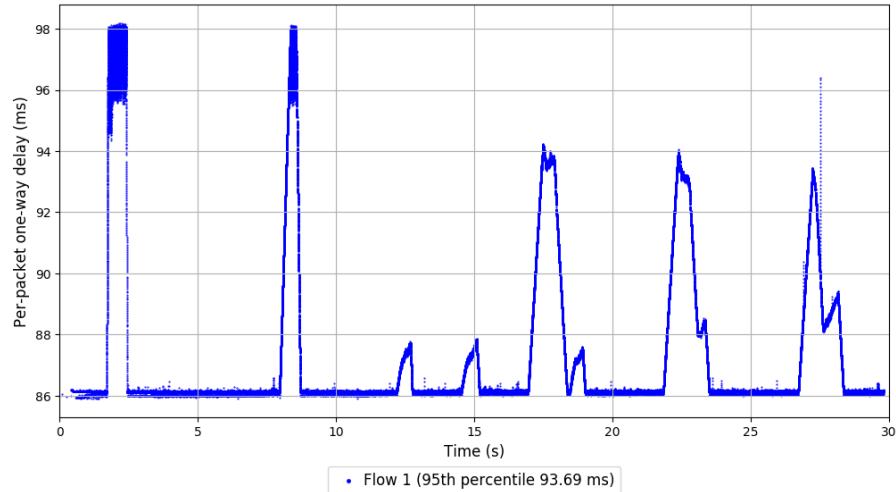
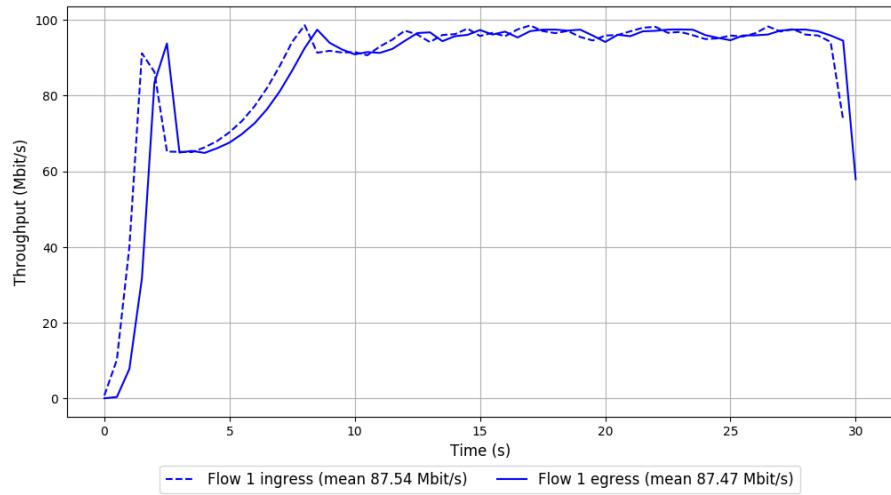


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-05 22:06:38
End at: 2018-06-05 22:07:08
Local clock offset: -7.229 ms
Remote clock offset: 10.853 ms

# Below is generated by plot.py at 2018-06-05 22:48:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 93.694 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 93.694 ms
Loss rate: 0.63%
```

Run 9: Report of PCC-Allegro — Data Link

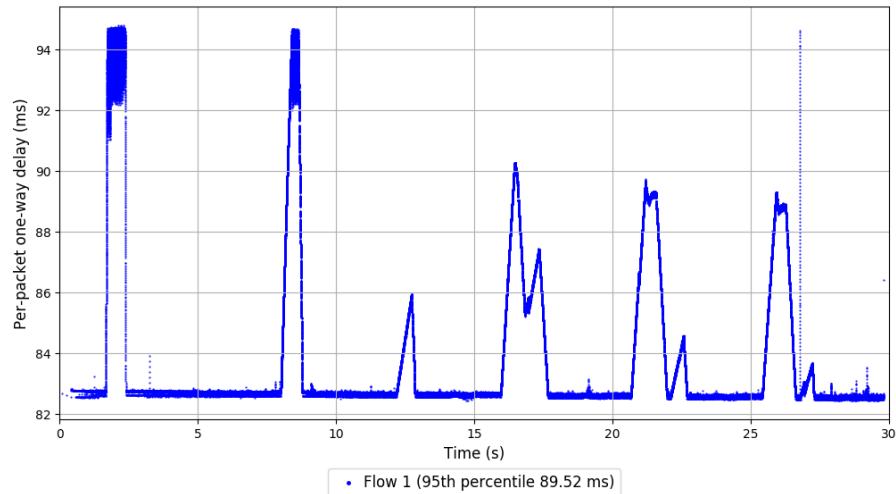
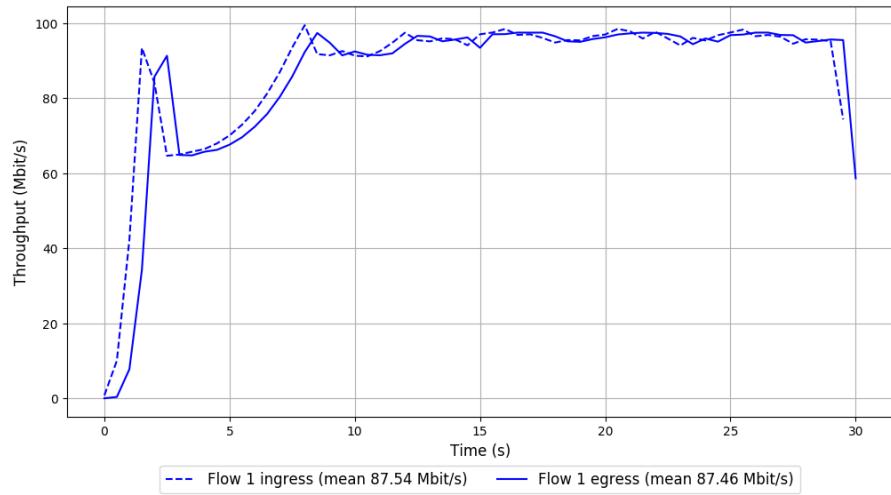


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-05 22:25:17
End at: 2018-06-05 22:25:47
Local clock offset: -7.243 ms
Remote clock offset: 7.195 ms

# Below is generated by plot.py at 2018-06-05 22:48:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 89.521 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 89.521 ms
Loss rate: 0.62%
```

Run 10: Report of PCC-Allegro — Data Link

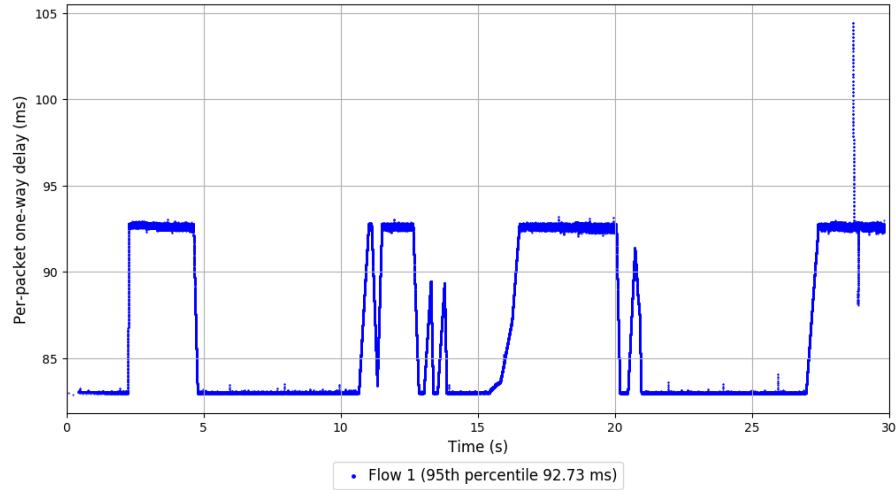
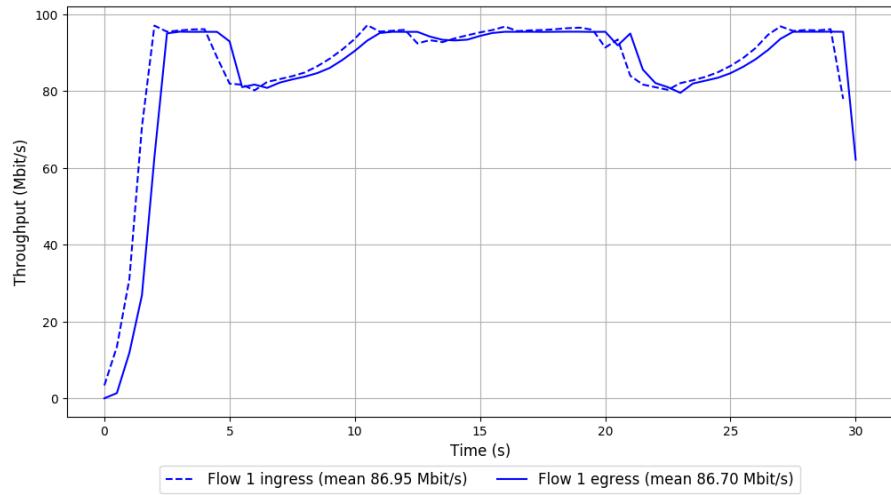


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-05 19:40:54
End at: 2018-06-05 19:41:24
Local clock offset: -1.708 ms
Remote clock offset: 10.279 ms

# Below is generated by plot.py at 2018-06-05 22:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 92.735 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 92.735 ms
Loss rate: 0.83%
```

Run 1: Report of PCC-Expr — Data Link

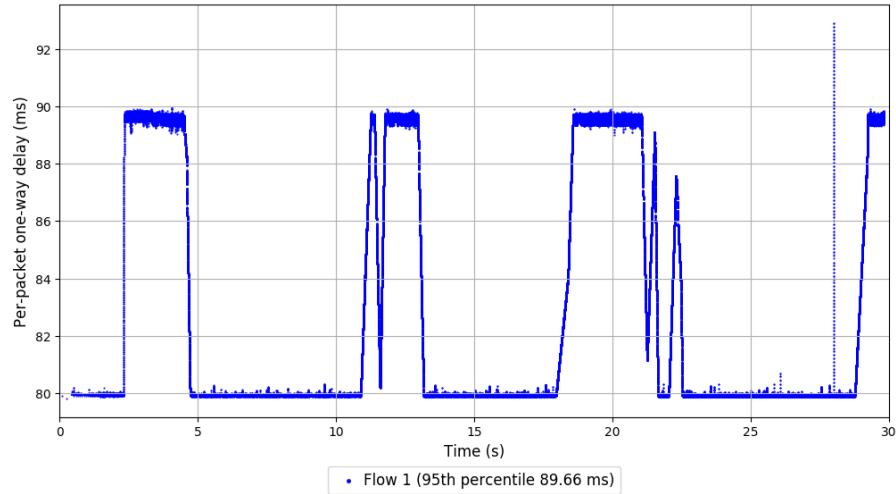
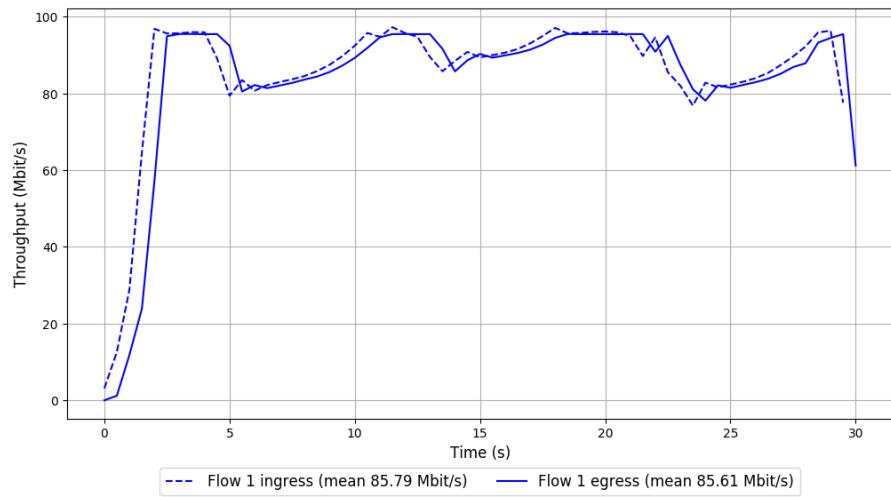


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-05 19:59:32
End at: 2018-06-05 20:00:02
Local clock offset: -1.674 ms
Remote clock offset: 14.557 ms

# Below is generated by plot.py at 2018-06-05 22:49:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 89.663 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 89.663 ms
Loss rate: 0.76%
```

Run 2: Report of PCC-Expr — Data Link

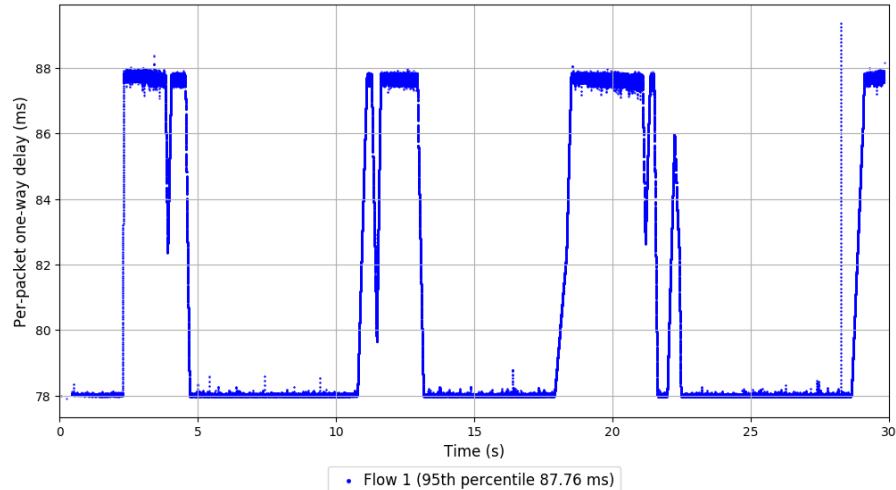
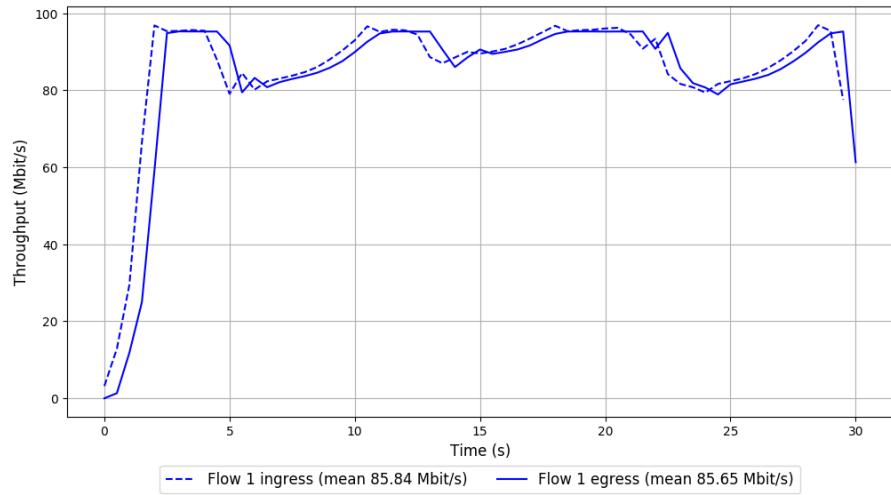


```
Run 3: Statistics of PCC-Expr
```

```
Start at: 2018-06-05 20:18:08
End at: 2018-06-05 20:18:38
Local clock offset: -2.328 ms
Remote clock offset: 13.369 ms

# Below is generated by plot.py at 2018-06-05 22:50:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 87.764 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 87.764 ms
Loss rate: 0.76%
```

Run 3: Report of PCC-Expr — Data Link

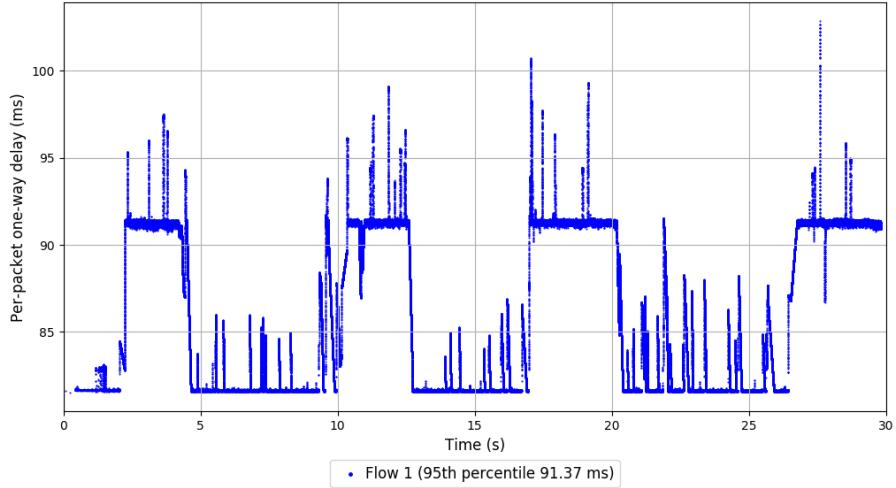
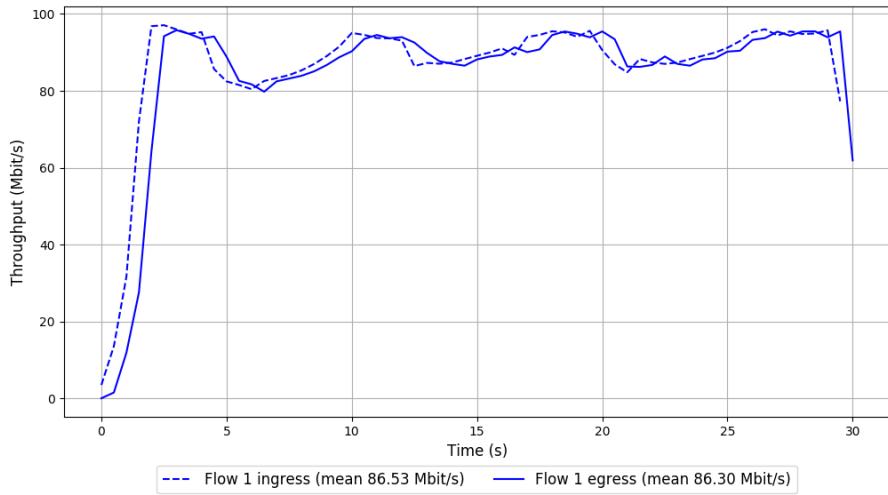


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-05 20:36:53
End at: 2018-06-05 20:37:23
Local clock offset: -4.067 ms
Remote clock offset: 8.166 ms

# Below is generated by plot.py at 2018-06-05 22:50:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 91.371 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 91.371 ms
Loss rate: 0.80%
```

Run 4: Report of PCC-Expr — Data Link

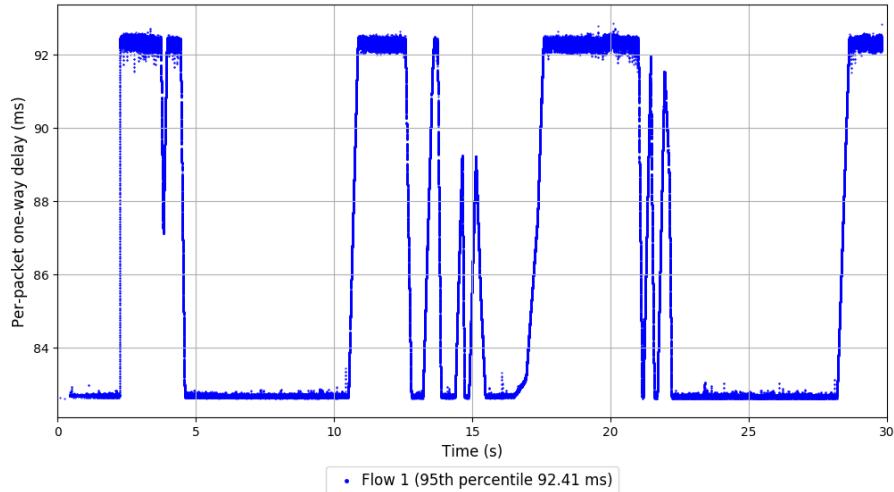
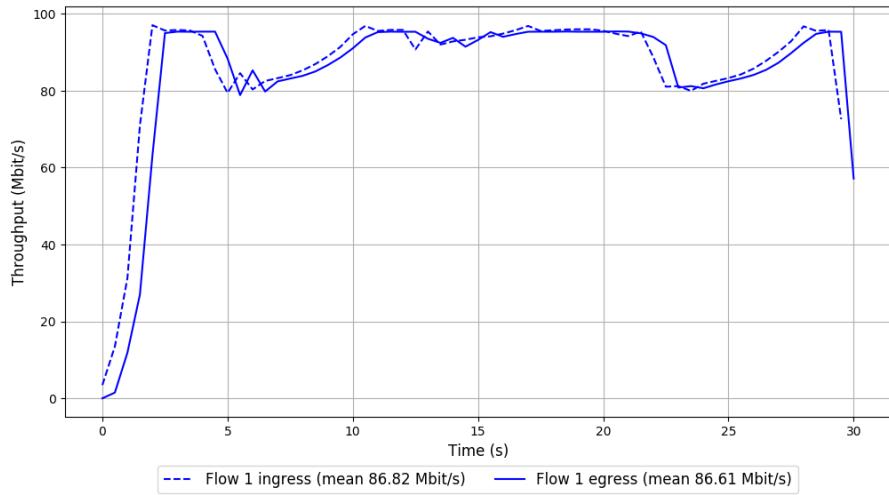


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-05 20:55:32
End at: 2018-06-05 20:56:02
Local clock offset: -7.237 ms
Remote clock offset: 3.445 ms

# Below is generated by plot.py at 2018-06-05 22:50:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 92.409 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 92.409 ms
Loss rate: 0.78%
```

Run 5: Report of PCC-Expr — Data Link

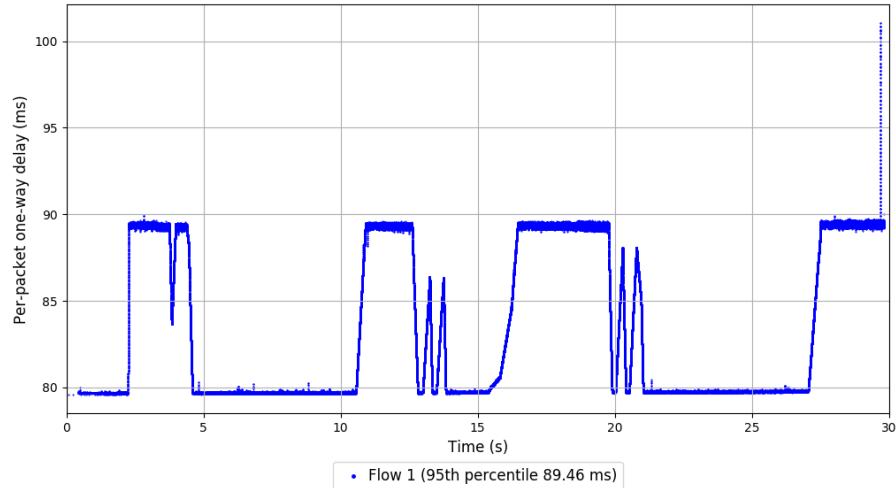
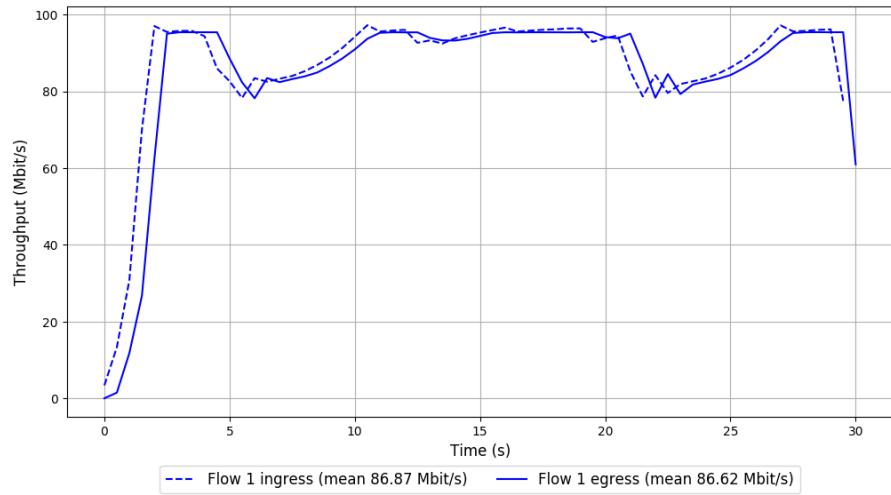


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-05 21:14:09
End at: 2018-06-05 21:14:39
Local clock offset: -9.809 ms
Remote clock offset: 7.56 ms

# Below is generated by plot.py at 2018-06-05 22:50:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 89.456 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 89.456 ms
Loss rate: 0.84%
```

Run 6: Report of PCC-Expr — Data Link

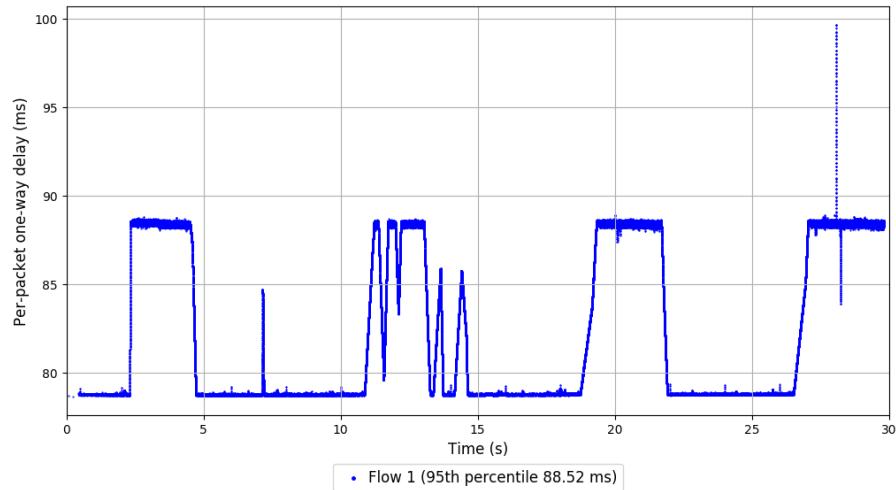
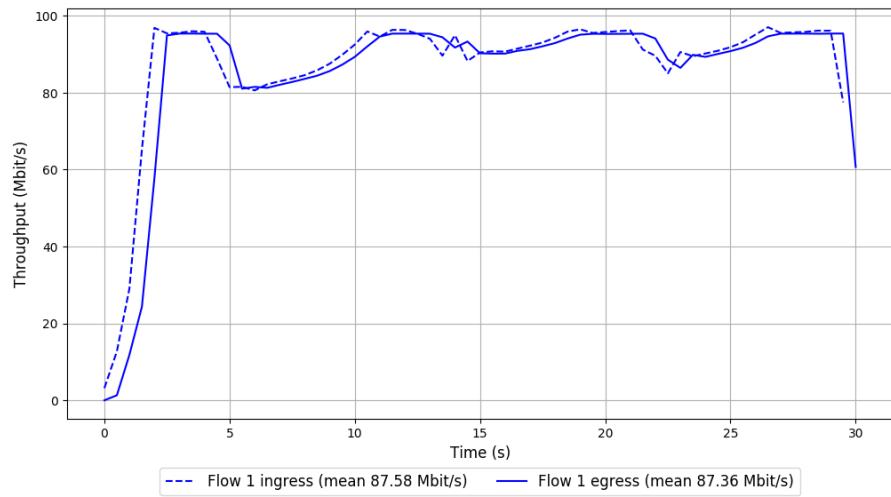


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-05 21:32:48
End at: 2018-06-05 21:33:18
Local clock offset: -10.068 ms
Remote clock offset: 8.446 ms

# Below is generated by plot.py at 2018-06-05 22:50:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 88.517 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 88.517 ms
Loss rate: 0.79%
```

Run 7: Report of PCC-Expr — Data Link

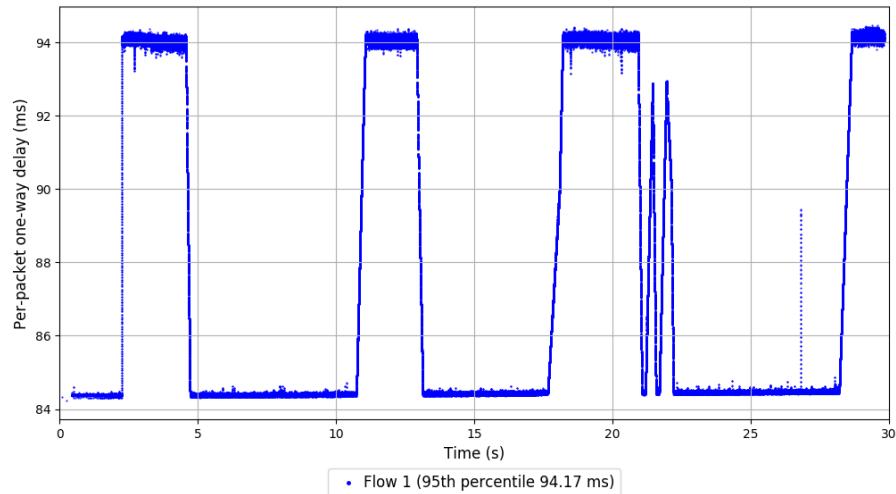
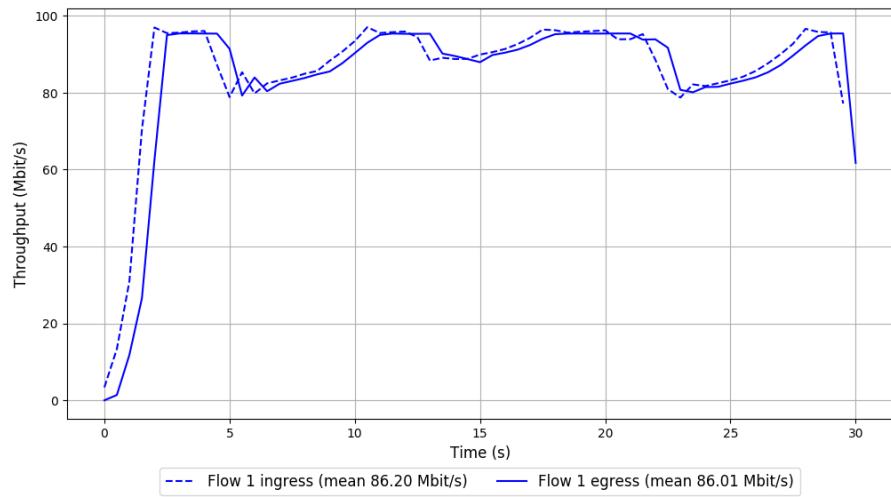


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-05 21:51:28
End at: 2018-06-05 21:51:58
Local clock offset: -7.512 ms
Remote clock offset: 9.243 ms

# Below is generated by plot.py at 2018-06-05 22:50:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.01 Mbit/s
95th percentile per-packet one-way delay: 94.168 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 86.01 Mbit/s
95th percentile per-packet one-way delay: 94.168 ms
Loss rate: 0.78%
```

Run 8: Report of PCC-Expr — Data Link

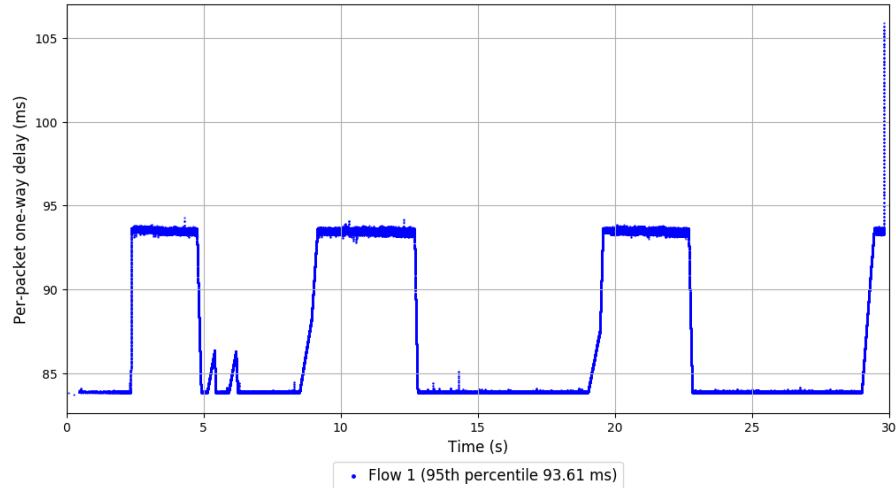
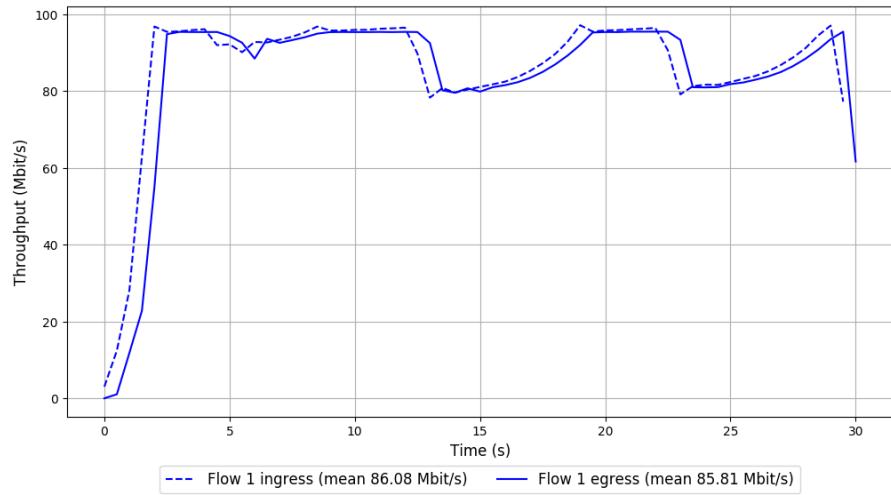


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-05 22:10:06
End at: 2018-06-05 22:10:36
Local clock offset: -7.695 ms
Remote clock offset: 12.264 ms

# Below is generated by plot.py at 2018-06-05 22:52:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 93.607 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 93.607 ms
Loss rate: 0.85%
```

Run 9: Report of PCC-Expr — Data Link

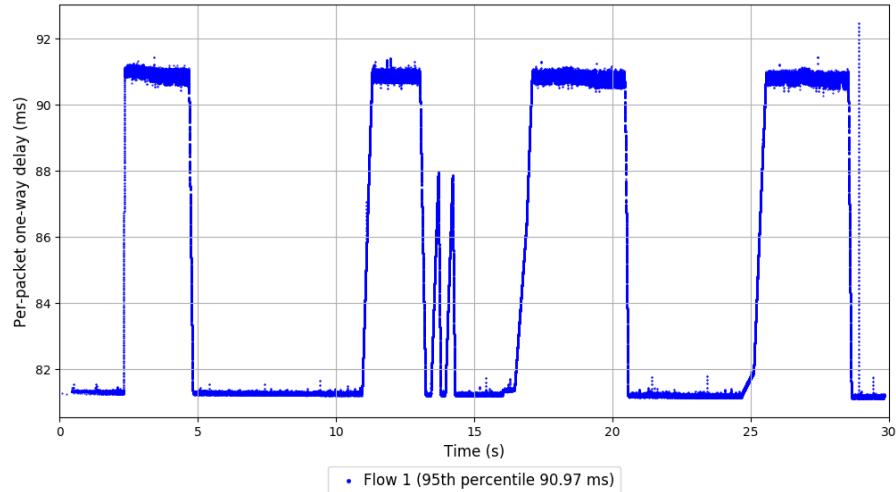
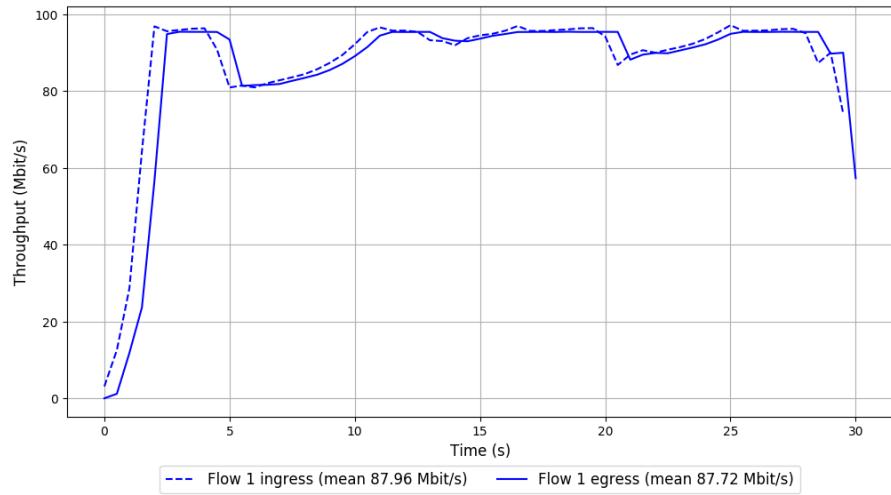


```
Run 10: Statistics of PCC-Expr
```

```
Start at: 2018-06-05 22:28:44
End at: 2018-06-05 22:29:14
Local clock offset: -7.24 ms
Remote clock offset: 9.684 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 90.974 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 90.974 ms
Loss rate: 0.81%
```

Run 10: Report of PCC-Expr — Data Link

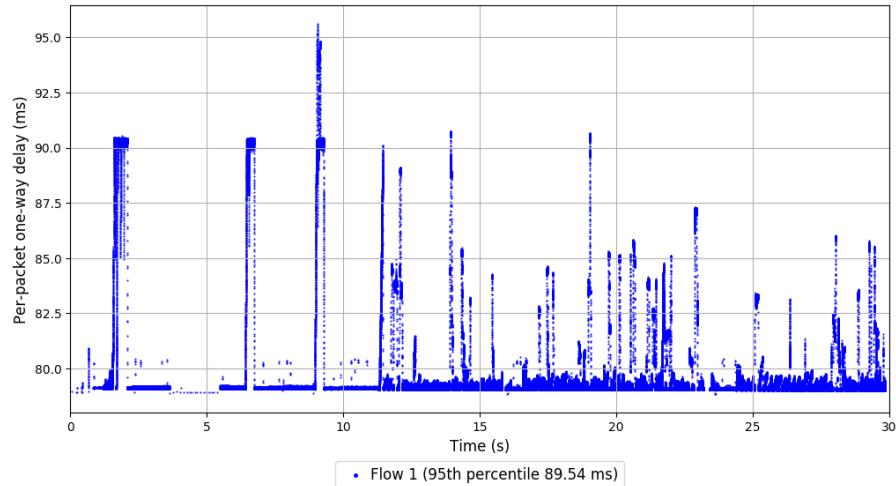
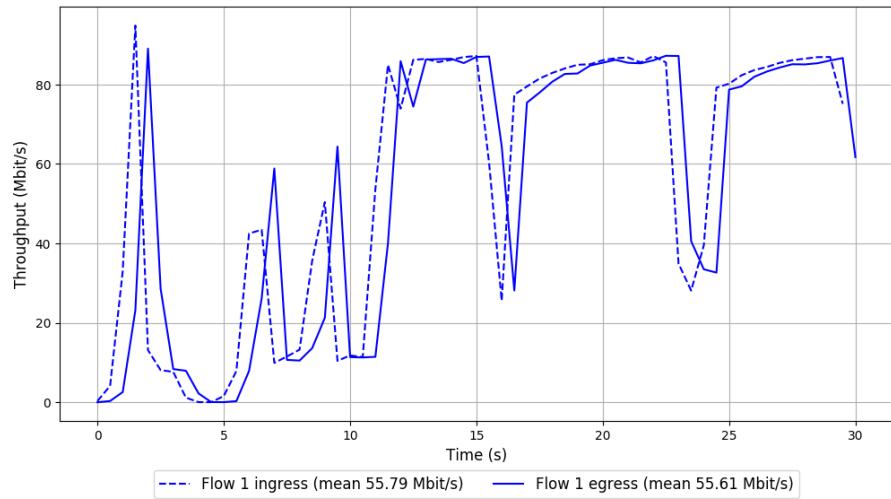


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-06-05 19:35:10
End at: 2018-06-05 19:35:40
Local clock offset: -2.501 ms
Remote clock offset: 15.934 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 89.536 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 89.536 ms
Loss rate: 0.85%
```

Run 1: Report of QUIC Cubic — Data Link

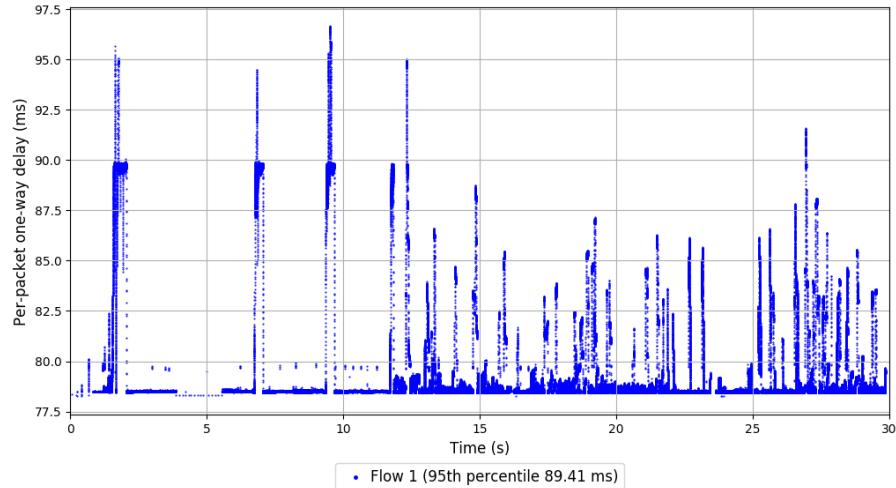
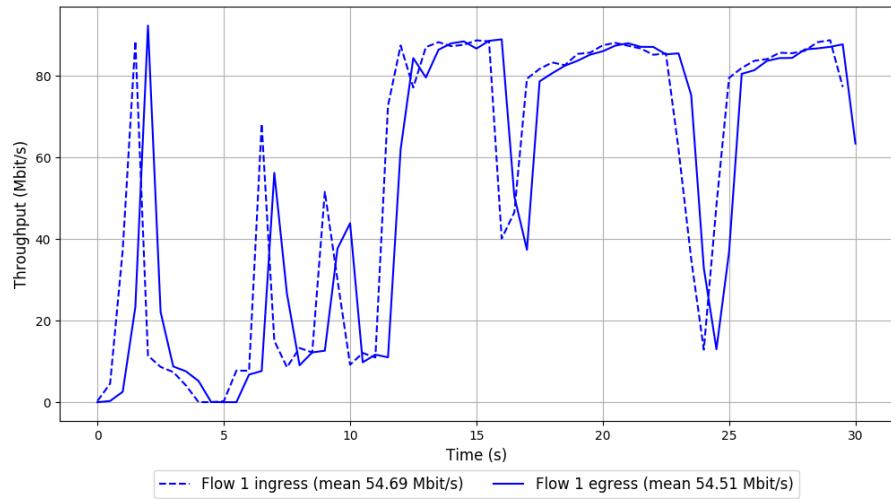


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-05 19:53:49
End at: 2018-06-05 19:54:19
Local clock offset: -1.685 ms
Remote clock offset: 13.721 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 89.405 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 89.405 ms
Loss rate: 0.88%
```

Run 2: Report of QUIC Cubic — Data Link

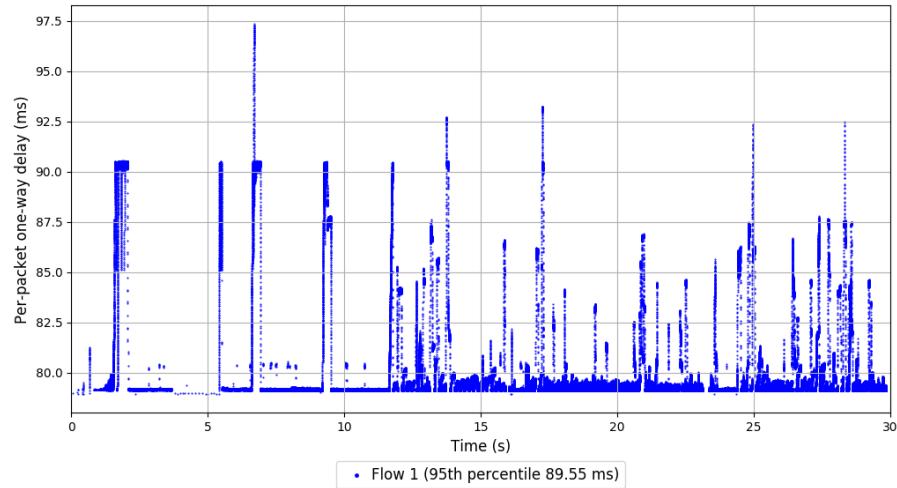
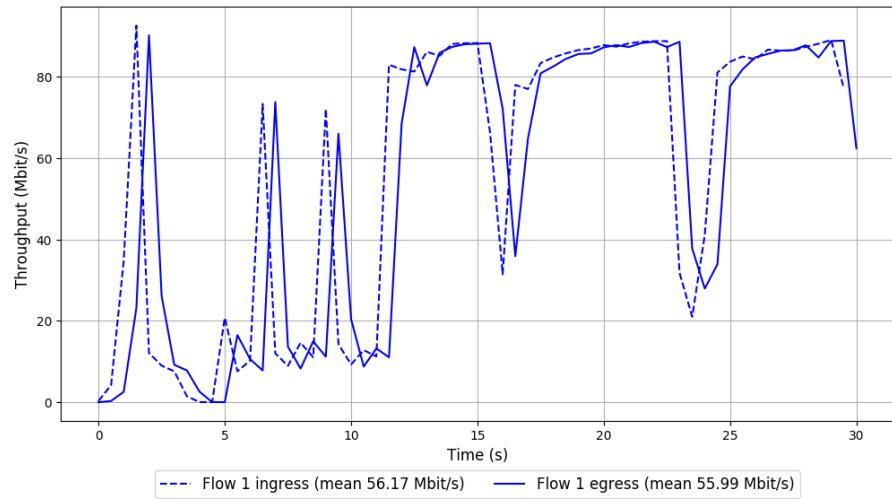


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-05 20:12:25
End at: 2018-06-05 20:12:55
Local clock offset: -2.993 ms
Remote clock offset: 13.567 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 89.550 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 89.550 ms
Loss rate: 0.88%
```

Run 3: Report of QUIC Cubic — Data Link

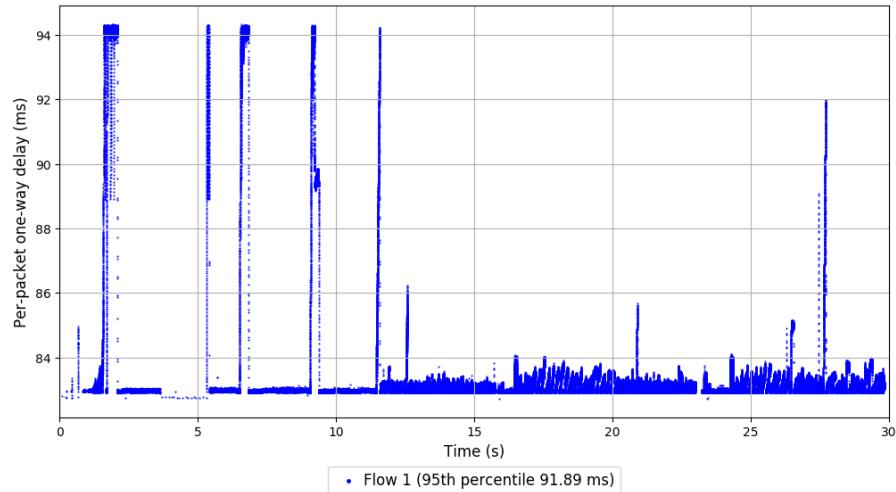
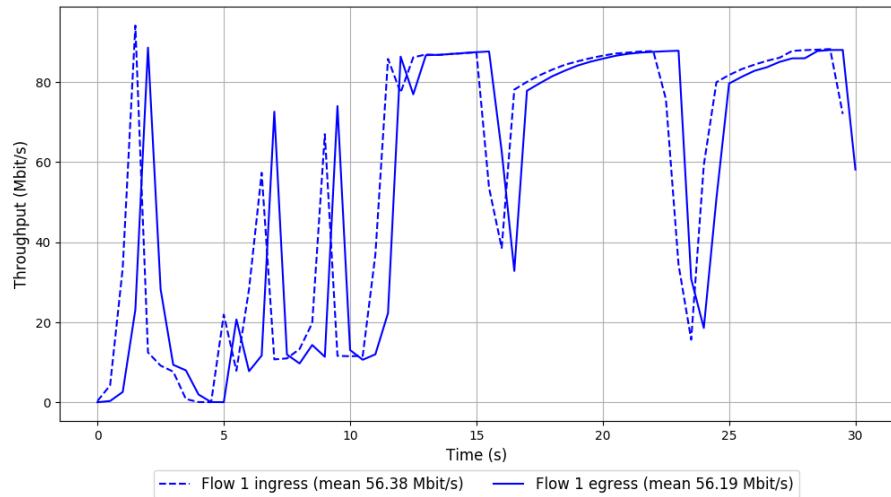


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-05 20:31:04
End at: 2018-06-05 20:31:34
Local clock offset: -3.346 ms
Remote clock offset: 9.049 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 91.885 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 91.885 ms
Loss rate: 0.87%
```

Run 4: Report of QUIC Cubic — Data Link

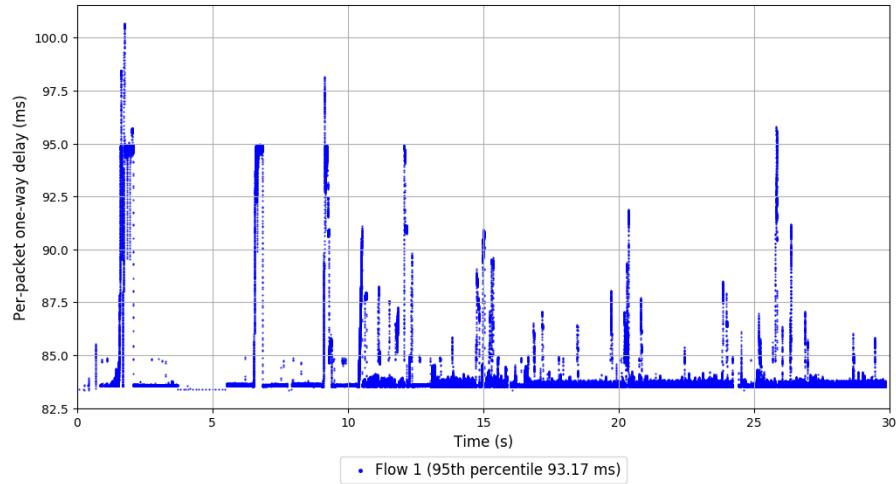
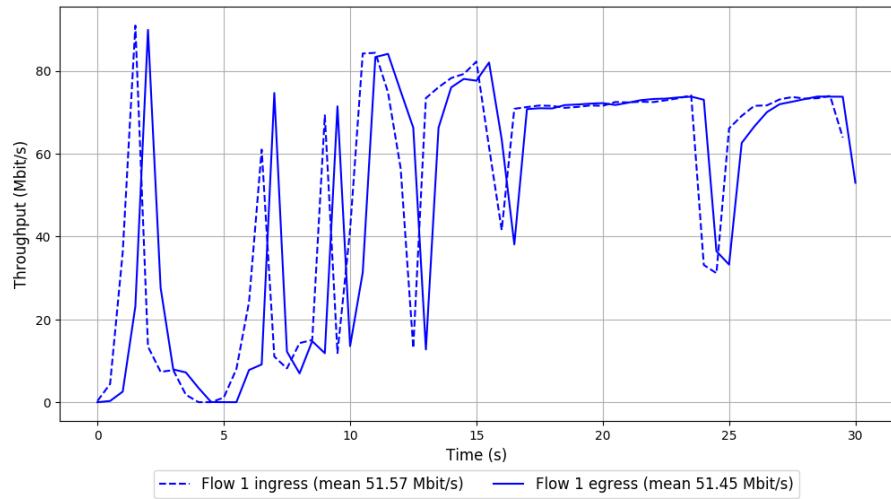


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-05 20:49:49
End at: 2018-06-05 20:50:19
Local clock offset: -6.541 ms
Remote clock offset: 3.322 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 93.170 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 93.170 ms
Loss rate: 0.78%
```

Run 5: Report of QUIC Cubic — Data Link

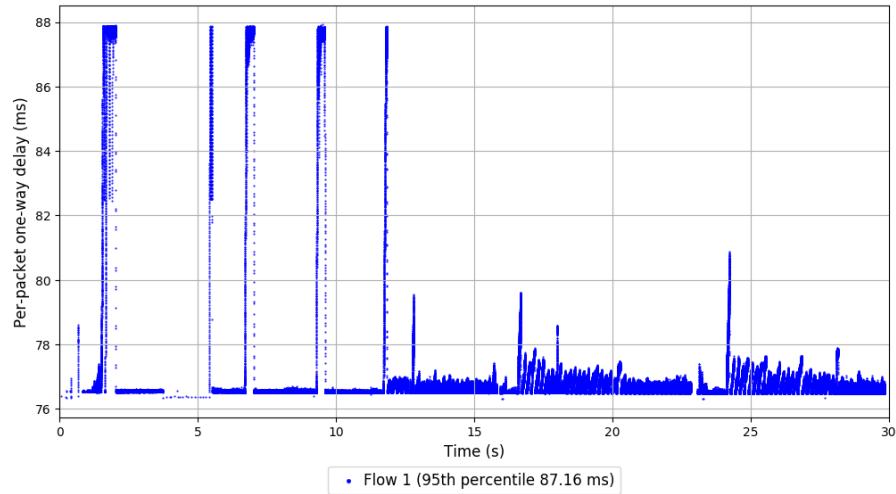
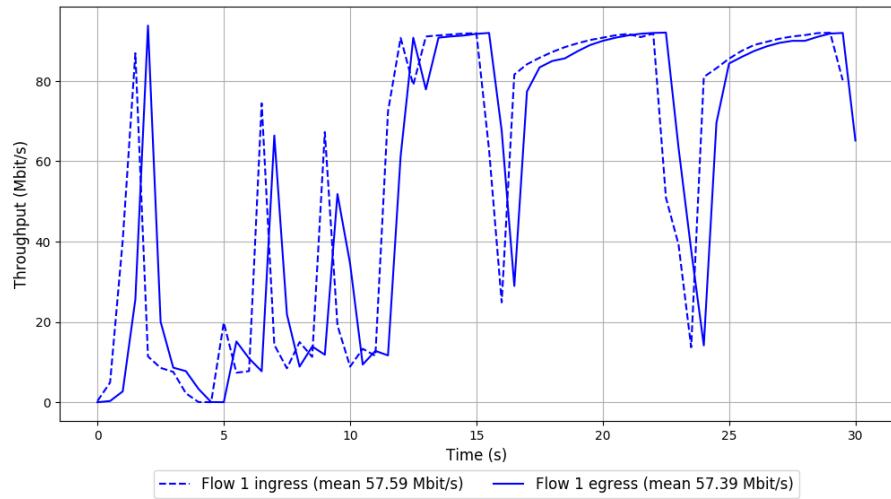


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-05 21:08:25
End at: 2018-06-05 21:08:55
Local clock offset: -8.847 ms
Remote clock offset: 7.027 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 87.161 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 87.161 ms
Loss rate: 0.87%
```

Run 6: Report of QUIC Cubic — Data Link

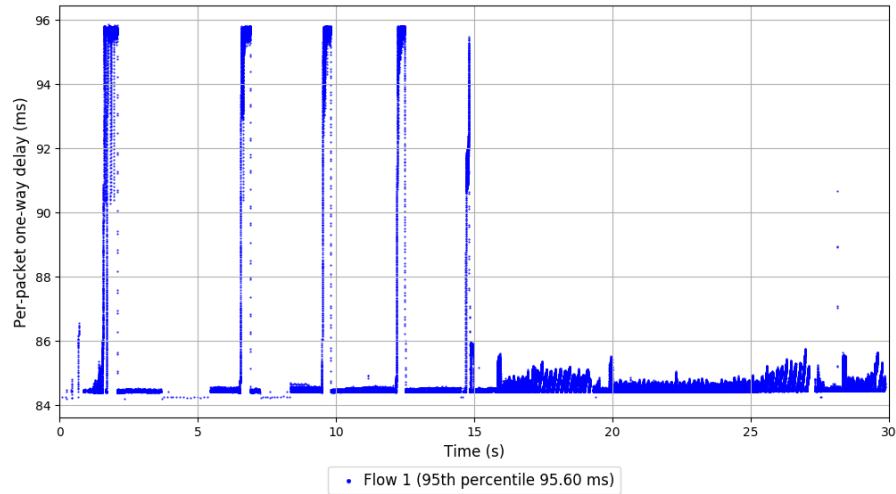
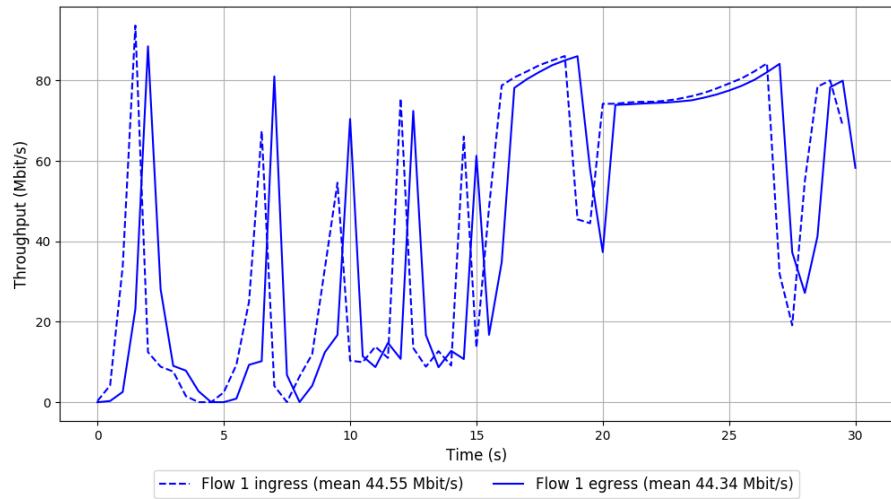


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-05 21:27:05
End at: 2018-06-05 21:27:35
Local clock offset: -8.955 ms
Remote clock offset: 5.357 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 95.596 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 95.596 ms
Loss rate: 1.02%
```

Run 7: Report of QUIC Cubic — Data Link

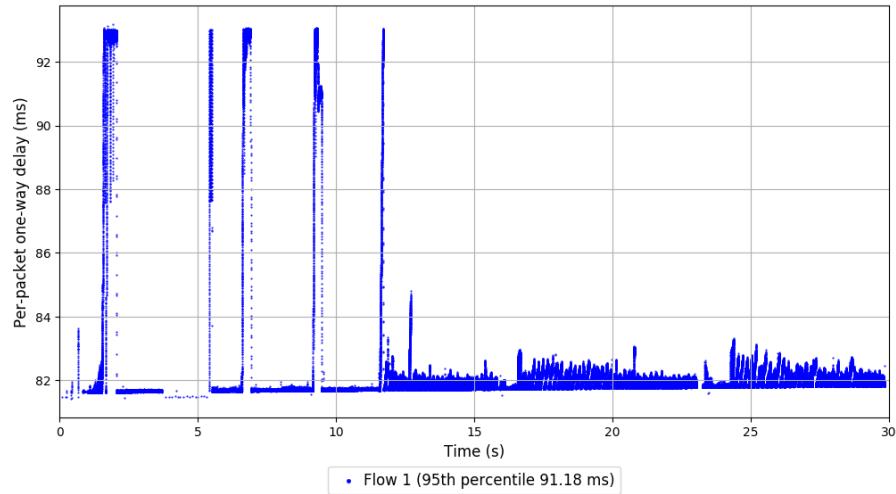
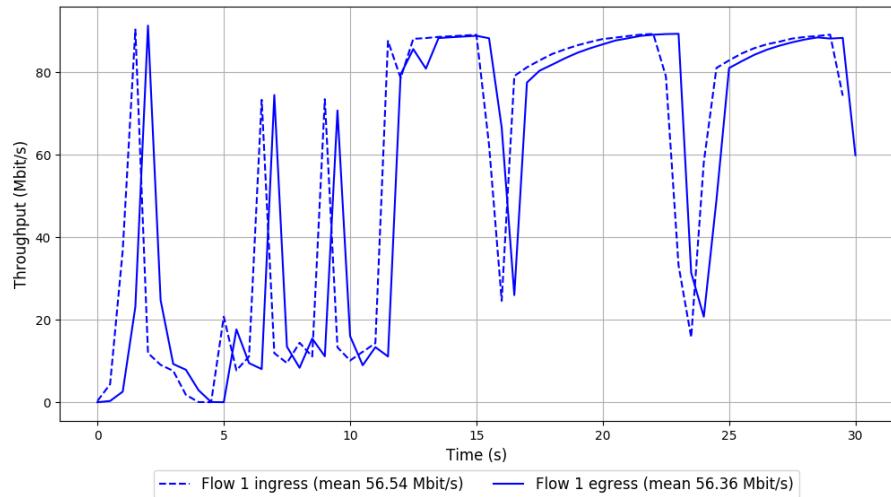


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-05 21:45:44
End at: 2018-06-05 21:46:14
Local clock offset: -8.475 ms
Remote clock offset: 7.106 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 91.178 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 91.178 ms
Loss rate: 0.86%
```

Run 8: Report of QUIC Cubic — Data Link

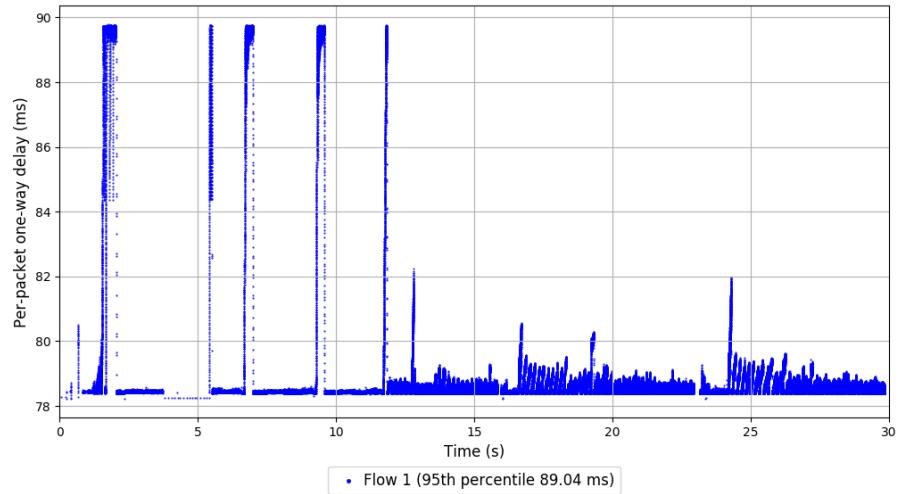
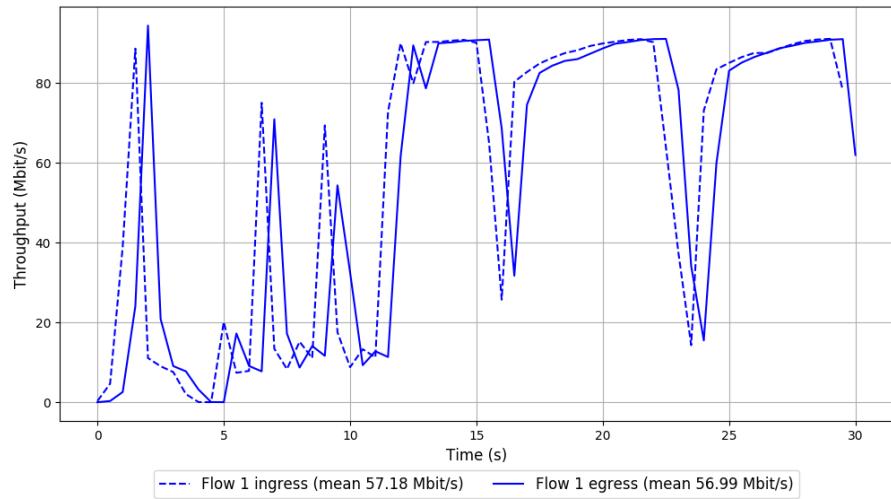


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-05 22:04:22
End at: 2018-06-05 22:04:52
Local clock offset: -8.266 ms
Remote clock offset: 14.601 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 89.039 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 89.039 ms
Loss rate: 0.87%
```

Run 9: Report of QUIC Cubic — Data Link

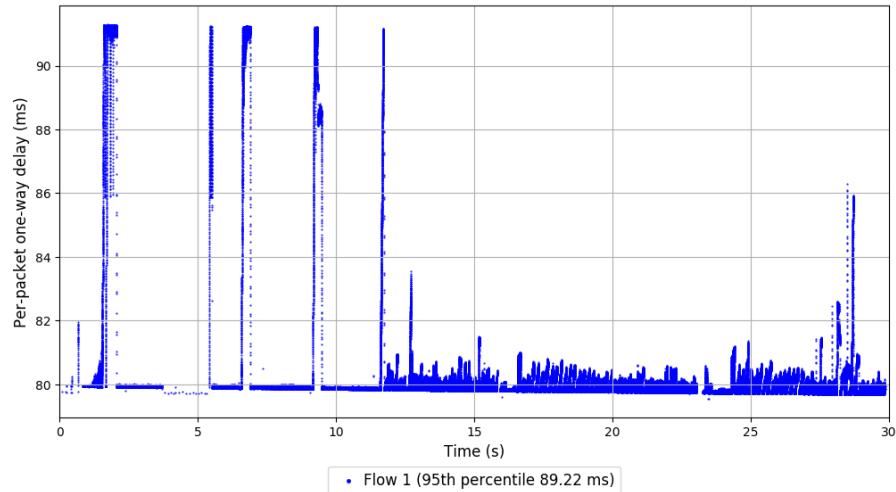
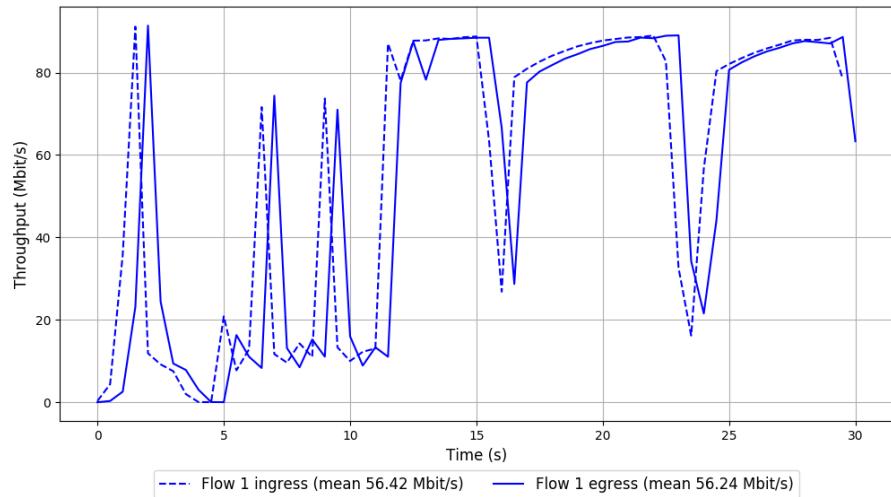


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-05 22:23:01
End at: 2018-06-05 22:23:31
Local clock offset: -7.28 ms
Remote clock offset: 13.234 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 89.217 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 89.217 ms
Loss rate: 0.87%
```

Run 10: Report of QUIC Cubic — Data Link

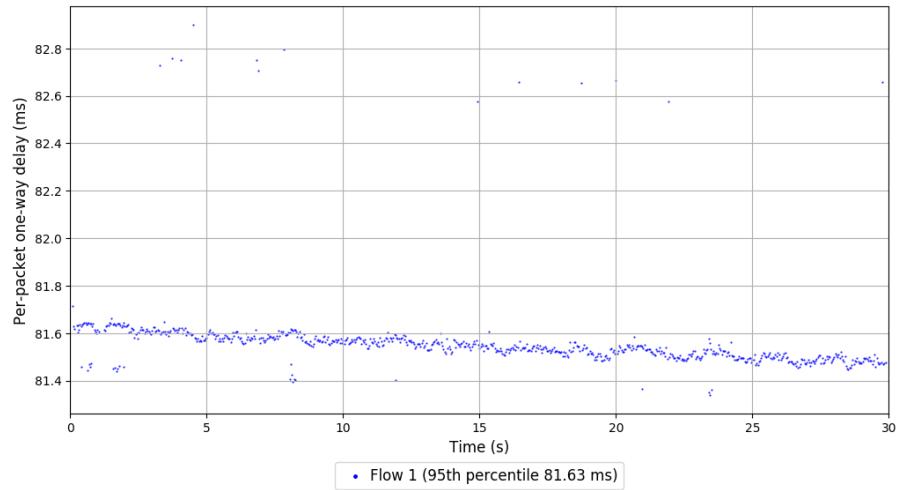
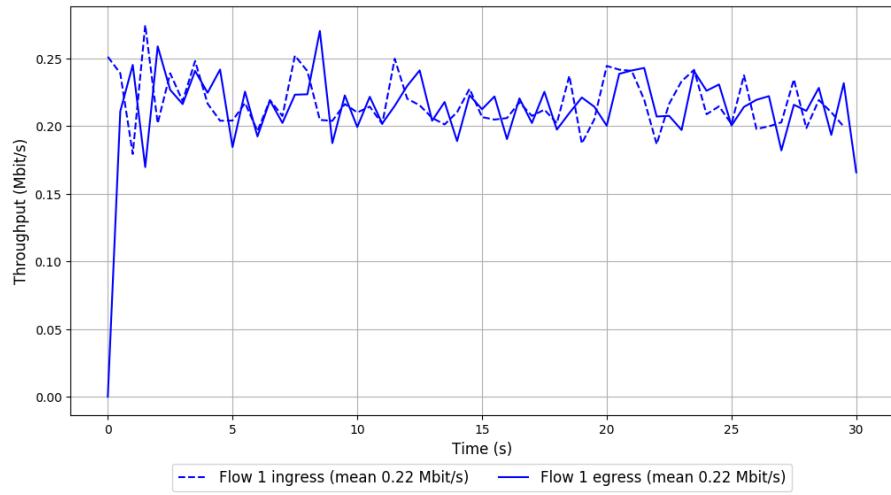


```
Run 1: Statistics of SCReAM

Start at: 2018-06-05 19:31:41
End at: 2018-06-05 19:32:11
Local clock offset: -1.734 ms
Remote clock offset: 12.782 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.634 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.634 ms
Loss rate: 0.51%
```

Run 1: Report of SCReAM — Data Link

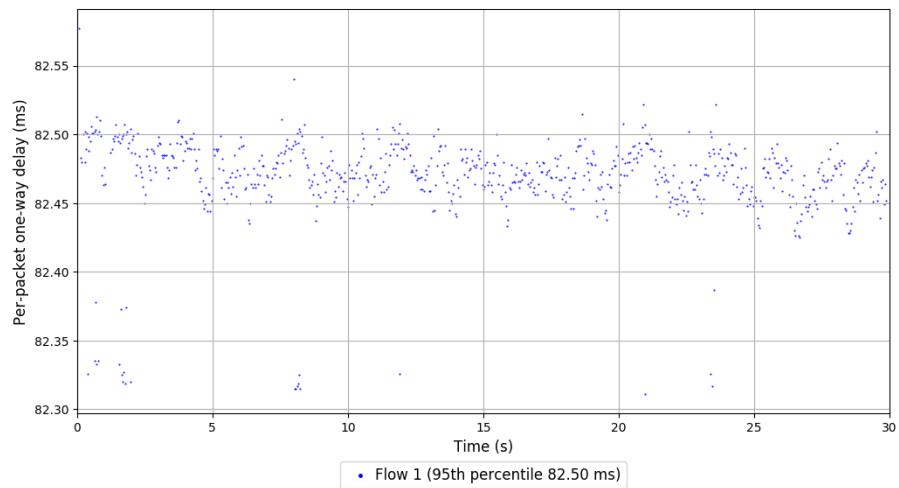
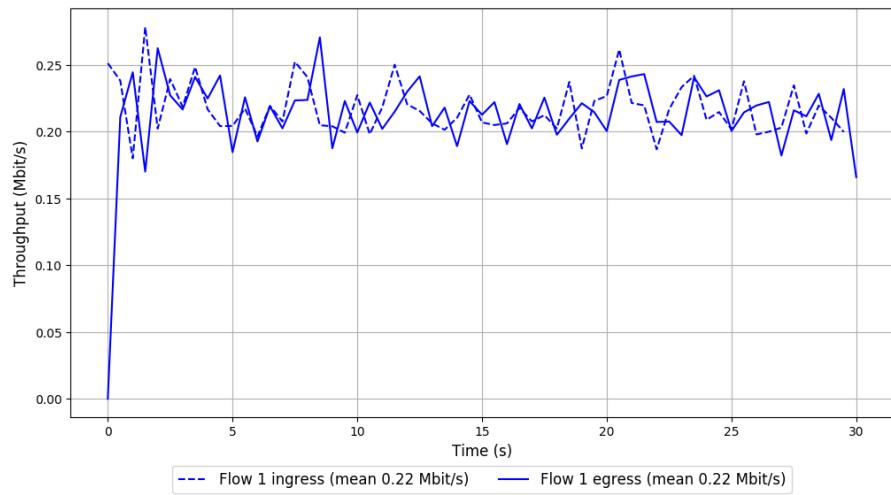


Run 2: Statistics of SCReAM

```
Start at: 2018-06-05 19:50:20
End at: 2018-06-05 19:50:50
Local clock offset: -0.925 ms
Remote clock offset: 11.046 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.501 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.501 ms
Loss rate: 0.51%
```

Run 2: Report of SCReAM — Data Link

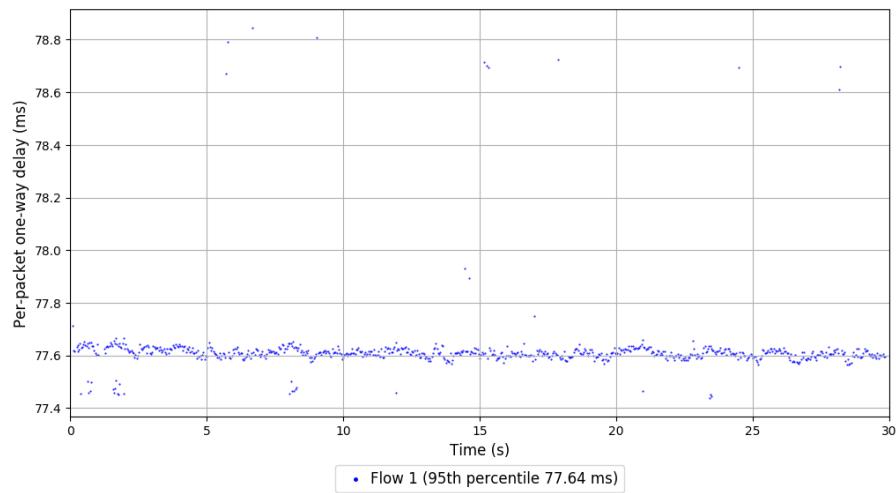
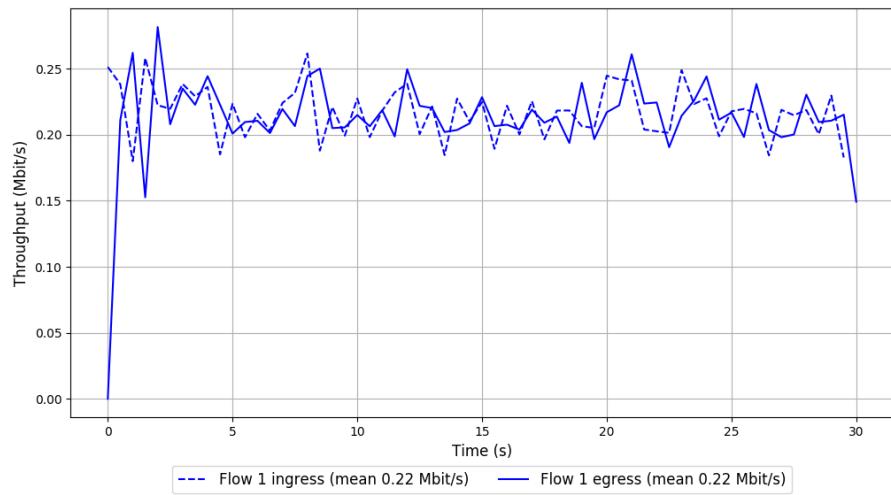


Run 3: Statistics of SCReAM

```
Start at: 2018-06-05 20:08:57
End at: 2018-06-05 20:09:27
Local clock offset: -2.003 ms
Remote clock offset: 13.88 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.643 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.643 ms
Loss rate: 0.51%
```

Run 3: Report of SCReAM — Data Link

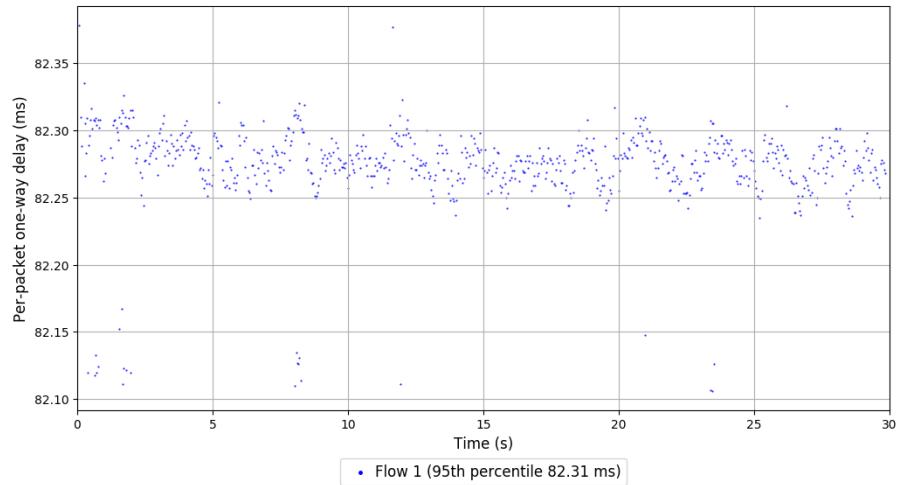
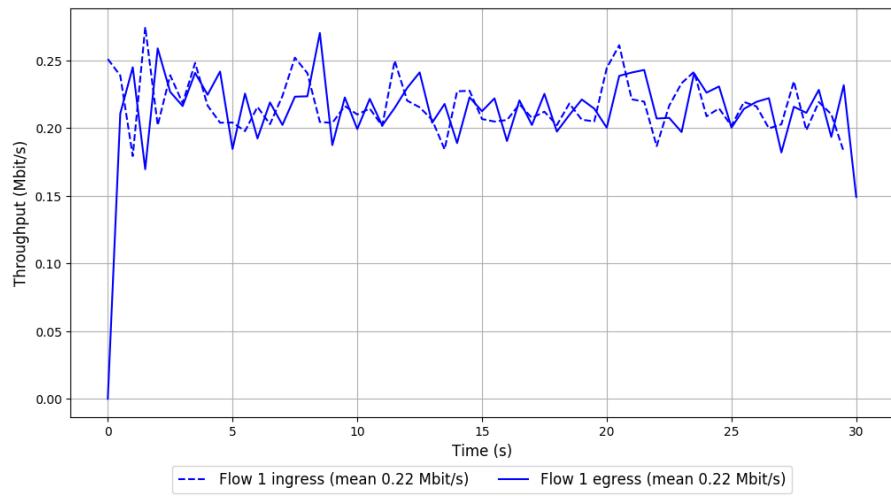


Run 4: Statistics of SCReAM

```
Start at: 2018-06-05 20:27:36
End at: 2018-06-05 20:28:06
Local clock offset: -1.757 ms
Remote clock offset: 9.157 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.308 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.308 ms
Loss rate: 0.51%
```

Run 4: Report of SCReAM — Data Link

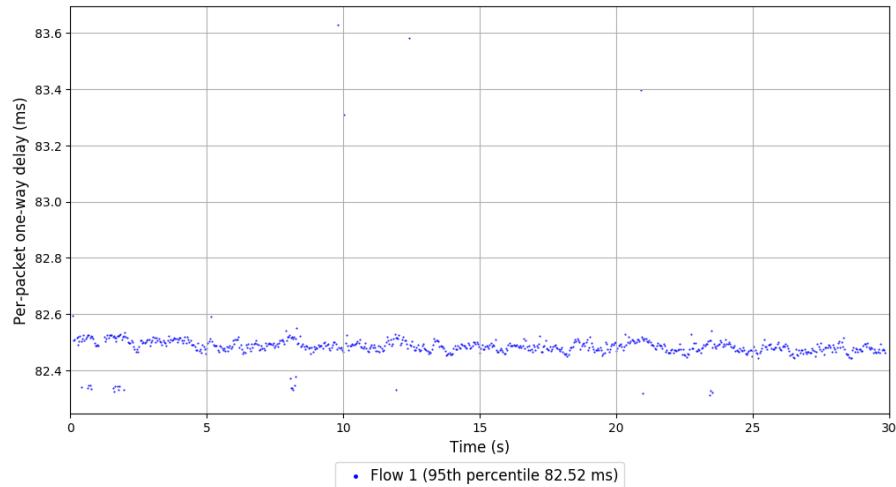
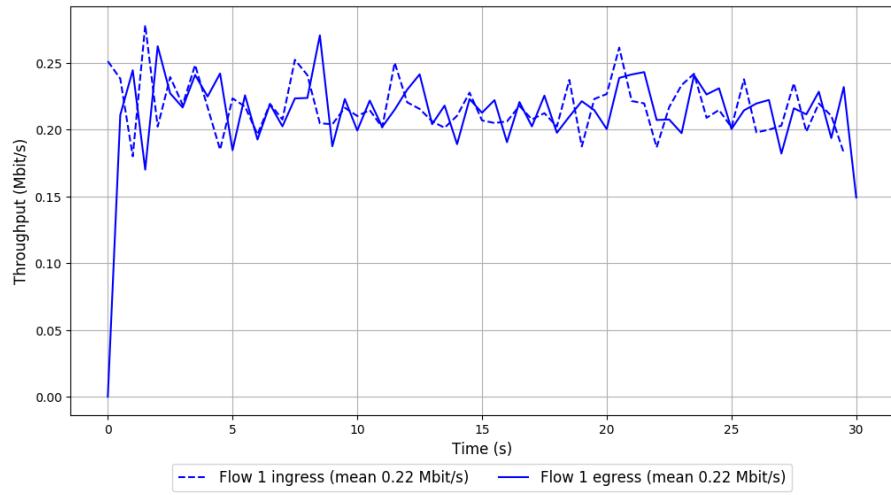


Run 5: Statistics of SCReAM

```
Start at: 2018-06-05 20:46:20
End at: 2018-06-05 20:46:50
Local clock offset: -5.931 ms
Remote clock offset: 5.142 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.520 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.520 ms
Loss rate: 0.51%
```

Run 5: Report of SCReAM — Data Link

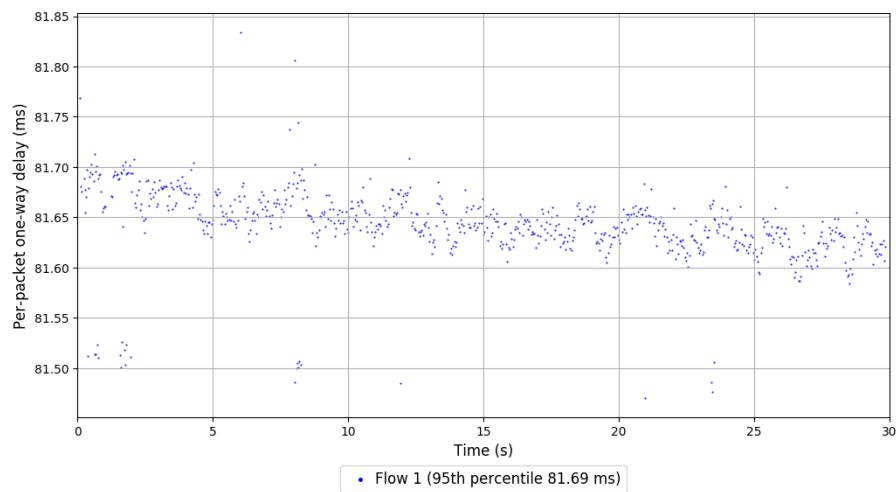
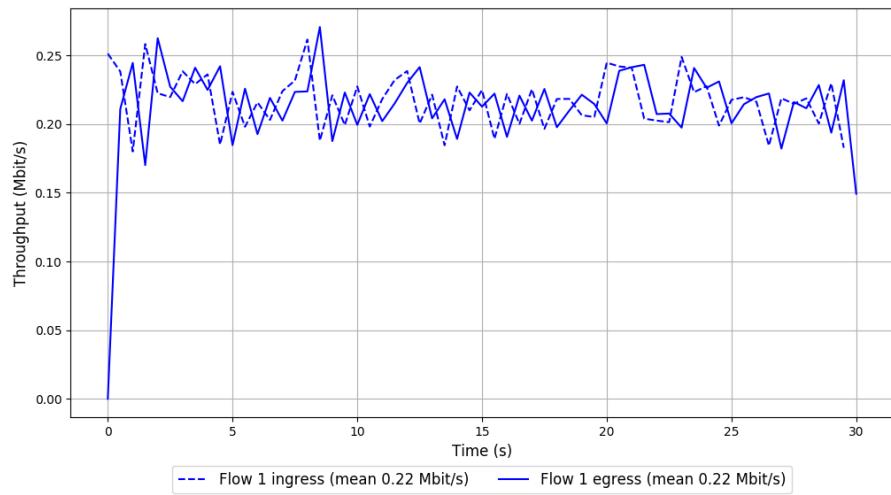


Run 6: Statistics of SCReAM

```
Start at: 2018-06-05 21:04:57
End at: 2018-06-05 21:05:27
Local clock offset: -9.645 ms
Remote clock offset: 1.382 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.690 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.690 ms
Loss rate: 0.51%
```

Run 6: Report of SCReAM — Data Link

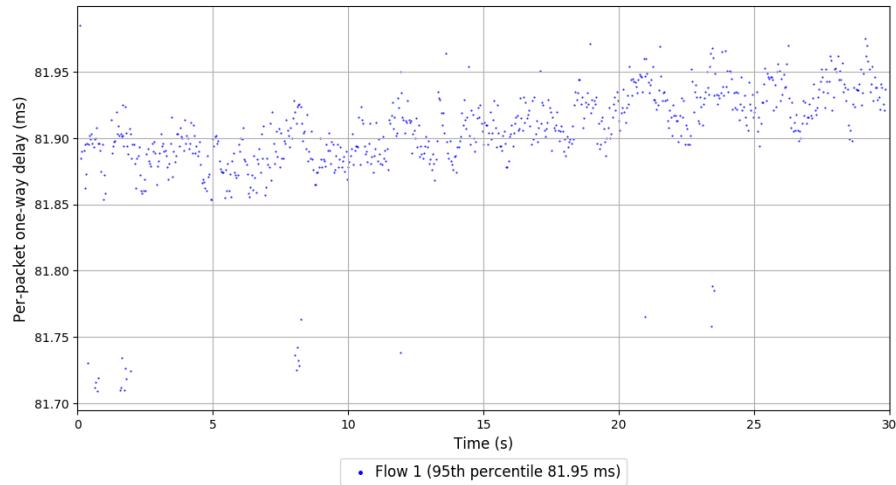
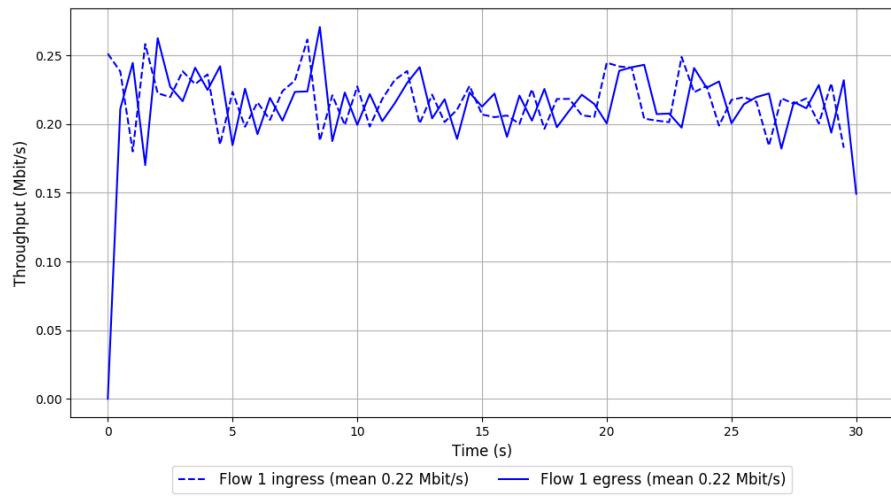


Run 7: Statistics of SCReAM

```
Start at: 2018-06-05 21:23:36
End at: 2018-06-05 21:24:06
Local clock offset: -10.282 ms
Remote clock offset: 4.169 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.951 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.951 ms
Loss rate: 0.51%
```

Run 7: Report of SCReAM — Data Link

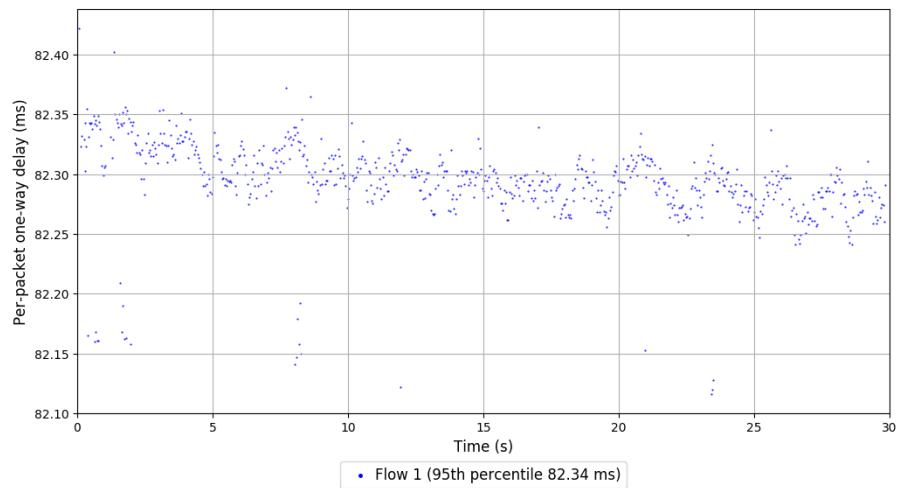
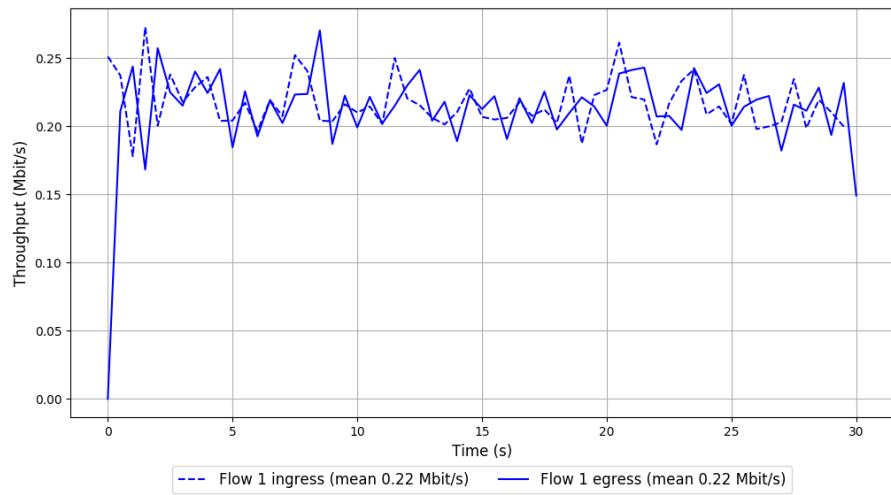


Run 8: Statistics of SCReAM

```
Start at: 2018-06-05 21:42:16
End at: 2018-06-05 21:42:46
Local clock offset: -9.504 ms
Remote clock offset: 4.61 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.339 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.339 ms
Loss rate: 0.64%
```

Run 8: Report of SCReAM — Data Link

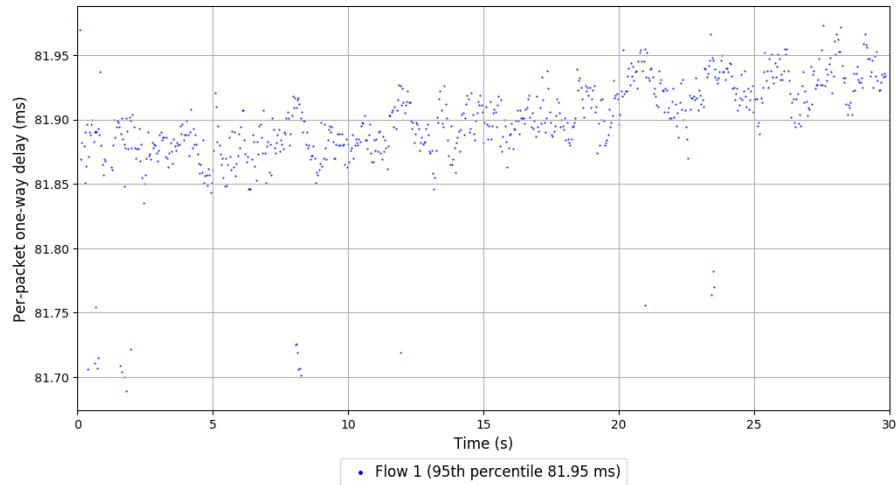
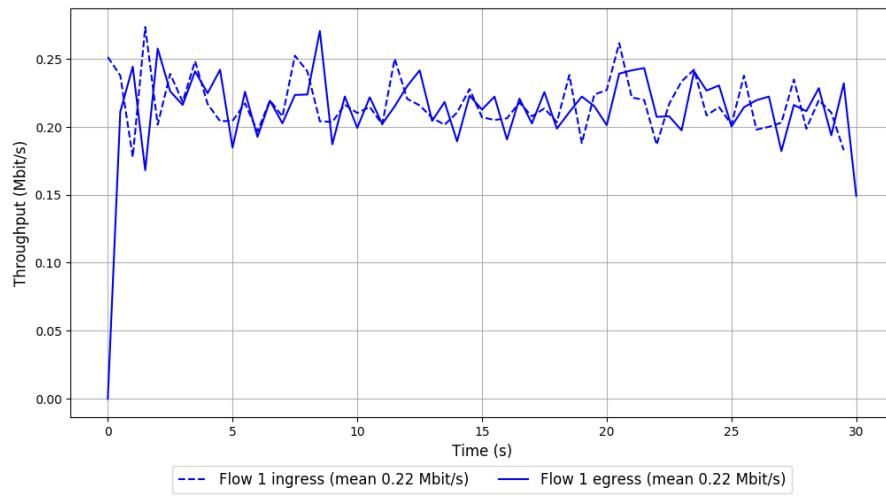


Run 9: Statistics of SCReAM

```
Start at: 2018-06-05 22:00:55
End at: 2018-06-05 22:01:25
Local clock offset: -7.504 ms
Remote clock offset: 14.006 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.946 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.946 ms
Loss rate: 0.51%
```

Run 9: Report of SCReAM — Data Link

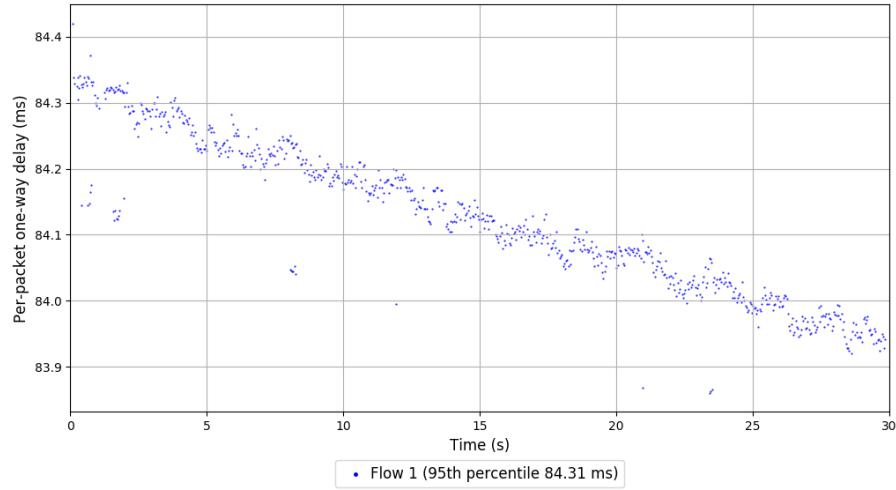
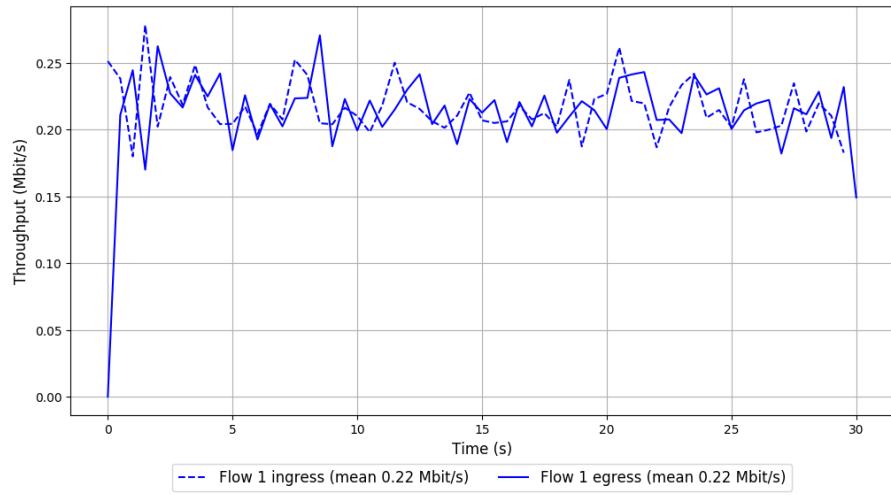


Run 10: Statistics of SCReAM

```
Start at: 2018-06-05 22:19:32
End at: 2018-06-05 22:20:02
Local clock offset: -7.318 ms
Remote clock offset: 11.38 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.315 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.315 ms
Loss rate: 0.51%
```

Run 10: Report of SCReAM — Data Link

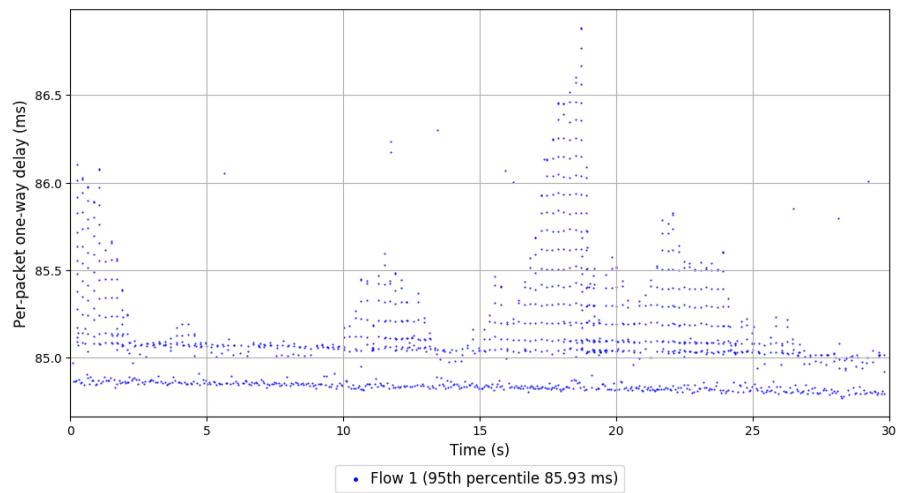
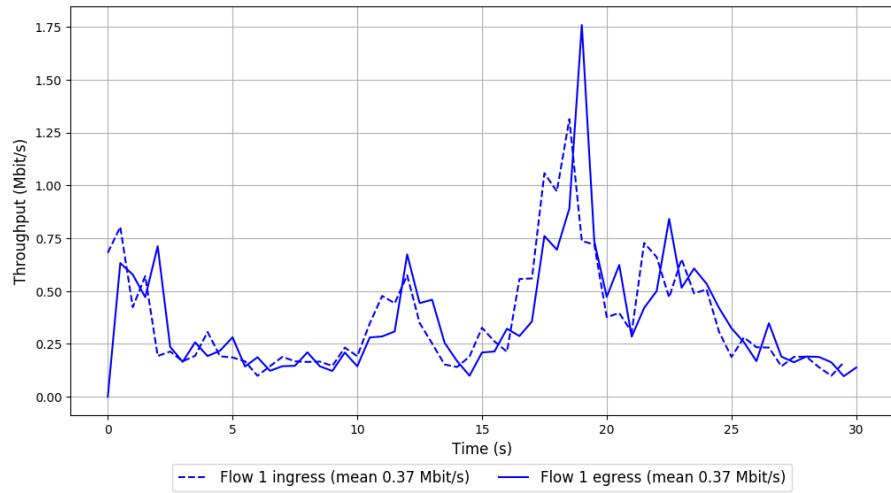


Run 1: Statistics of Sprout

```
Start at: 2018-06-05 19:36:20
End at: 2018-06-05 19:36:50
Local clock offset: -1.784 ms
Remote clock offset: 10.759 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 85.928 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 85.928 ms
Loss rate: 0.13%
```

Run 1: Report of Sprout — Data Link

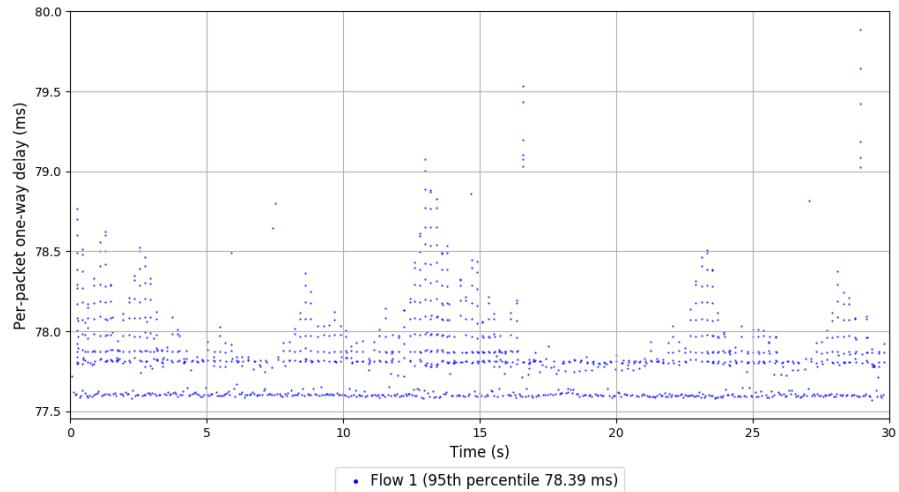
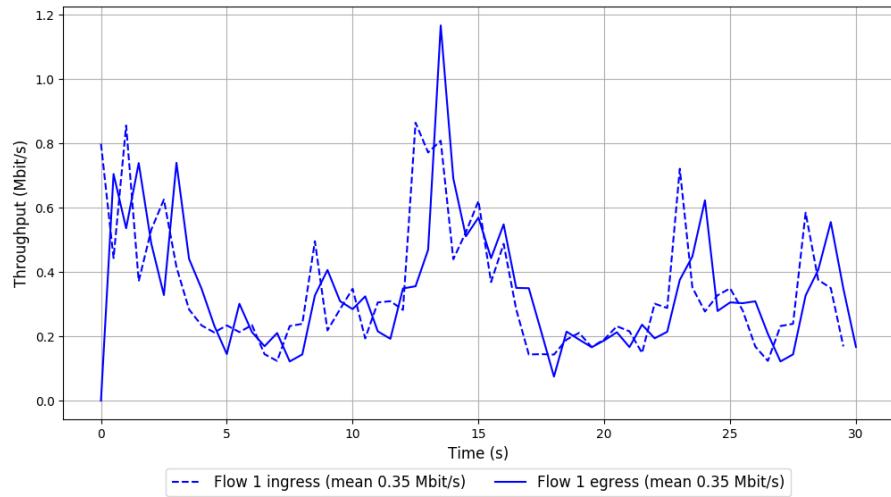


Run 2: Statistics of Sprout

```
Start at: 2018-06-05 19:54:58
End at: 2018-06-05 19:55:28
Local clock offset: -1.7 ms
Remote clock offset: 14.759 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 78.395 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 78.395 ms
Loss rate: 0.02%
```

Run 2: Report of Sprout — Data Link

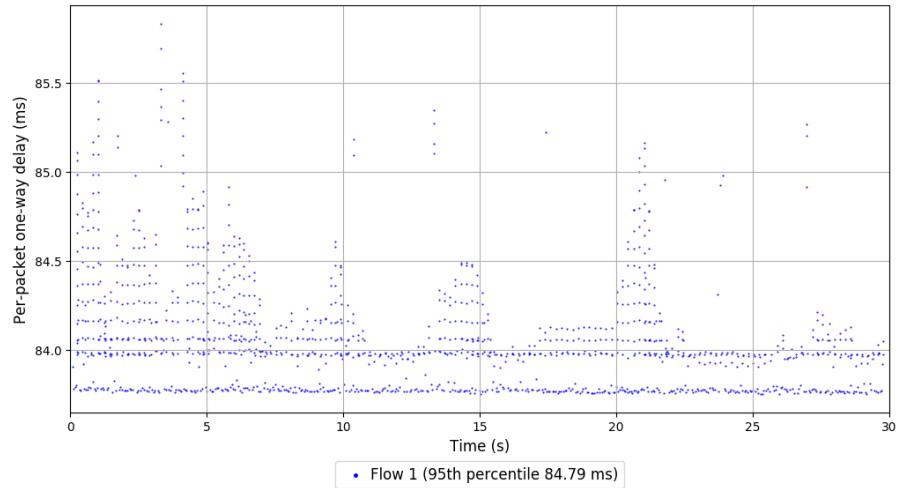
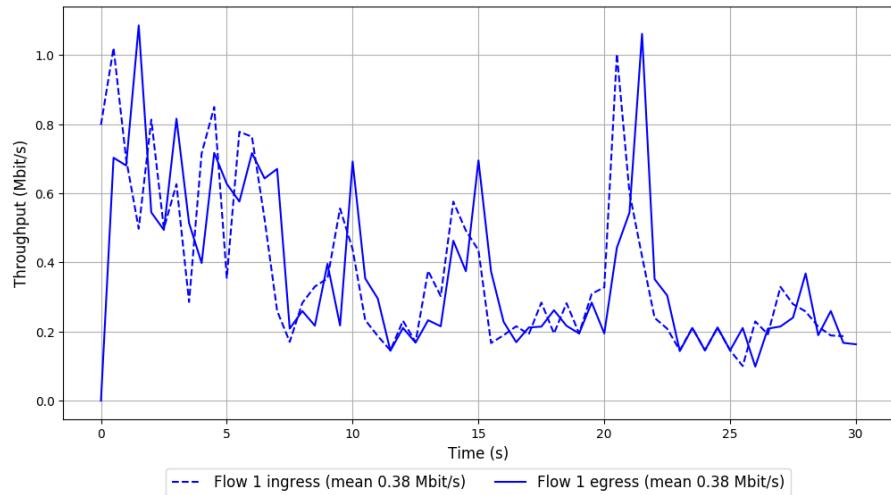


Run 3: Statistics of Sprout

```
Start at: 2018-06-05 20:13:35
End at: 2018-06-05 20:14:05
Local clock offset: -1.44 ms
Remote clock offset: 8.557 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 84.787 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 84.787 ms
Loss rate: 0.31%
```

Run 3: Report of Sprout — Data Link

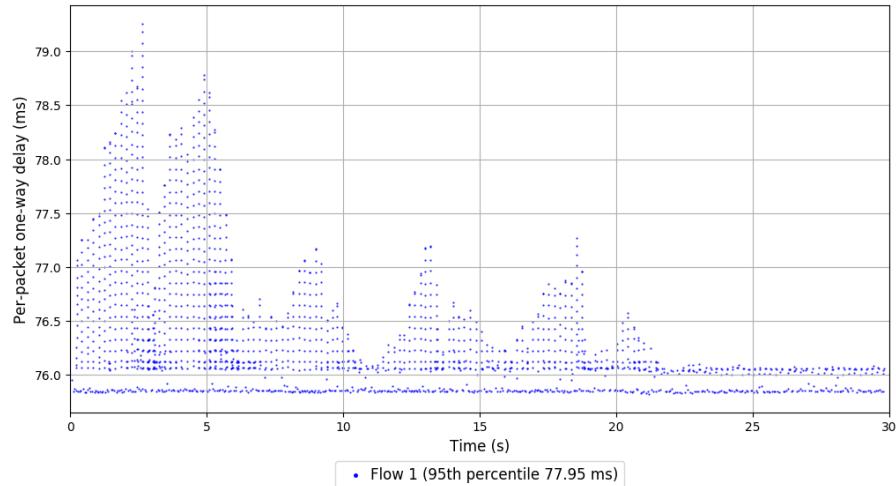
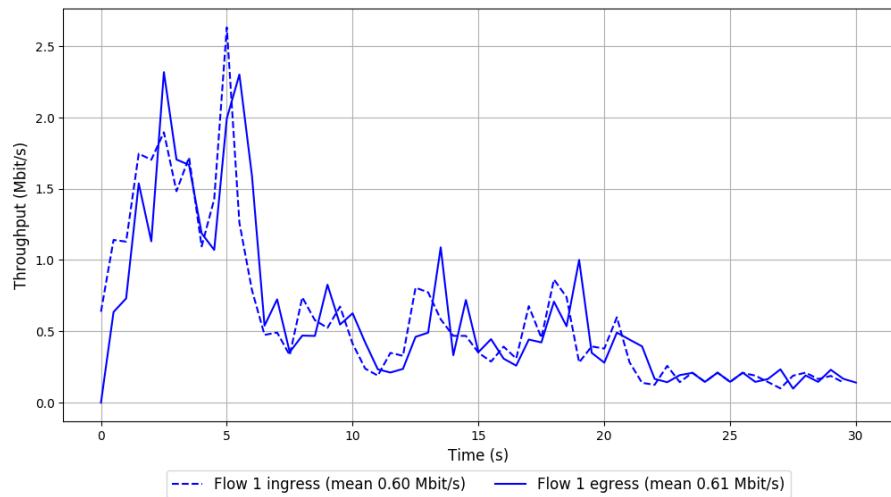


Run 4: Statistics of Sprout

```
Start at: 2018-06-05 20:32:14
End at: 2018-06-05 20:32:44
Local clock offset: -3.358 ms
Remote clock offset: 14.001 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 77.951 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 77.951 ms
Loss rate: 0.06%
```

Run 4: Report of Sprout — Data Link

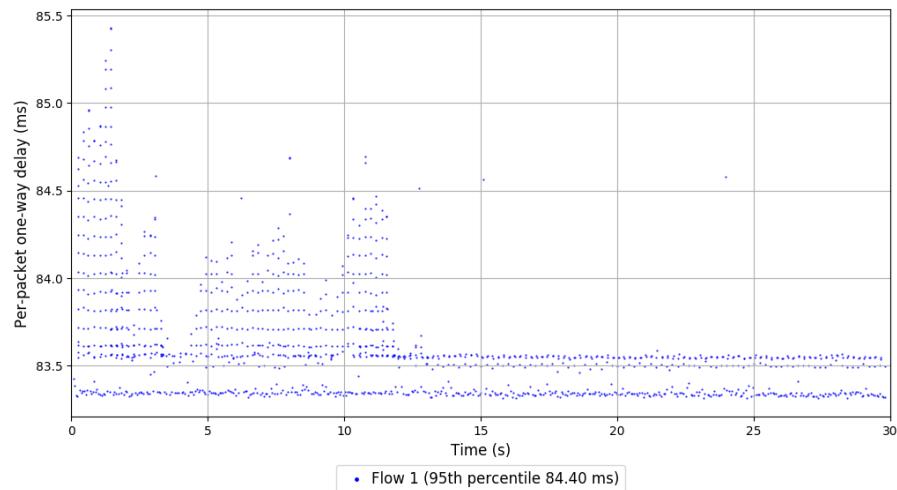
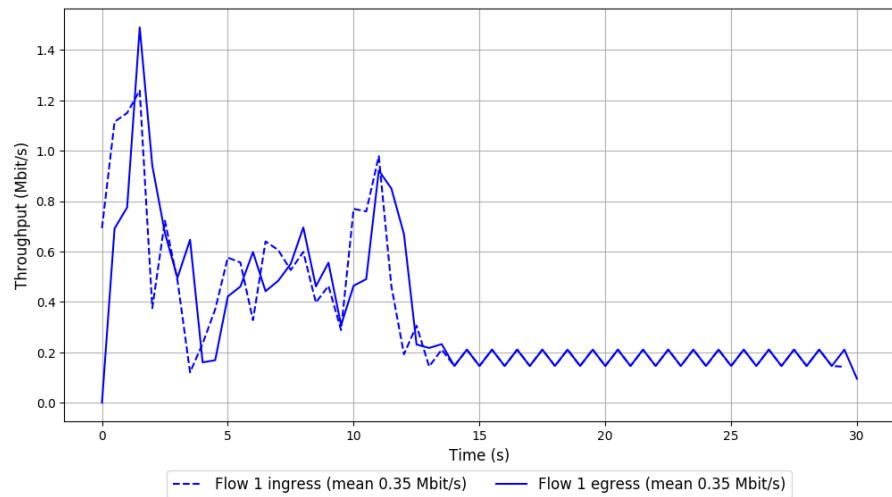


Run 5: Statistics of Sprout

```
Start at: 2018-06-05 20:50:58
End at: 2018-06-05 20:51:28
Local clock offset: -8.2 ms
Remote clock offset: 4.104 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 84.398 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 84.398 ms
Loss rate: 0.24%
```

Run 5: Report of Sprout — Data Link

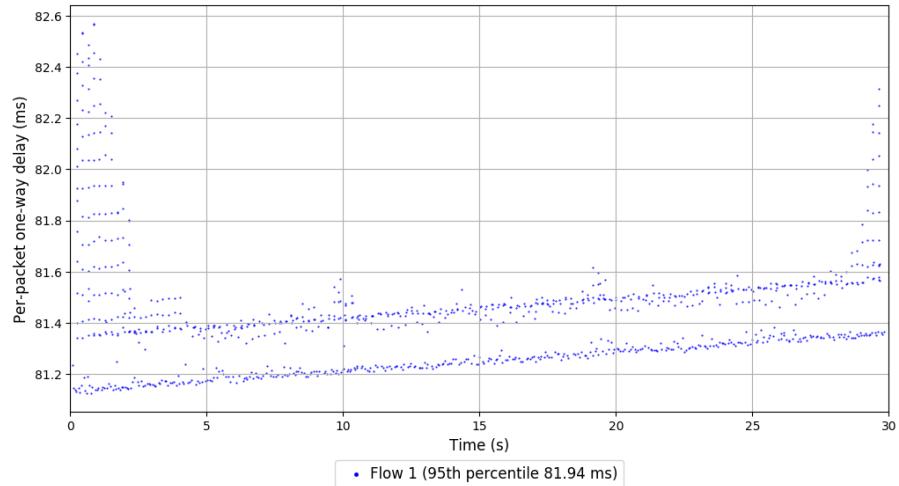
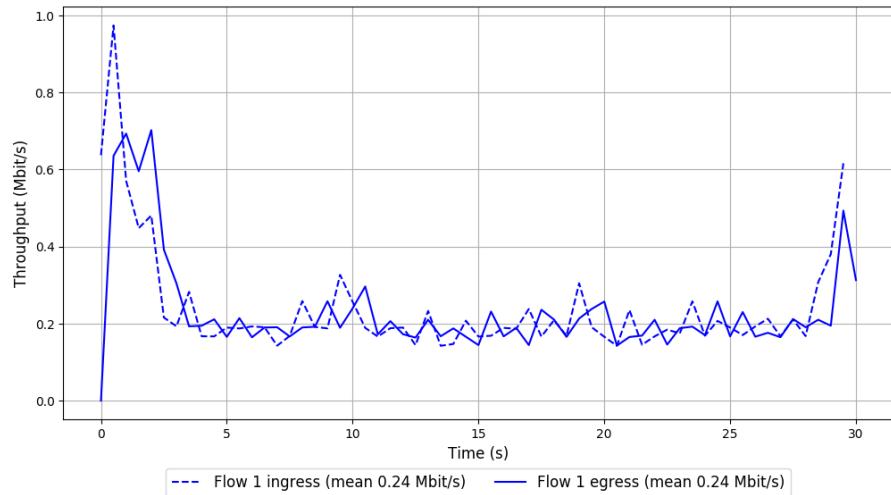


Run 6: Statistics of Sprout

```
Start at: 2018-06-05 21:09:35
End at: 2018-06-05 21:10:05
Local clock offset: -8.877 ms
Remote clock offset: 2.147 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 81.936 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 81.936 ms
Loss rate: 2.12%
```

Run 6: Report of Sprout — Data Link

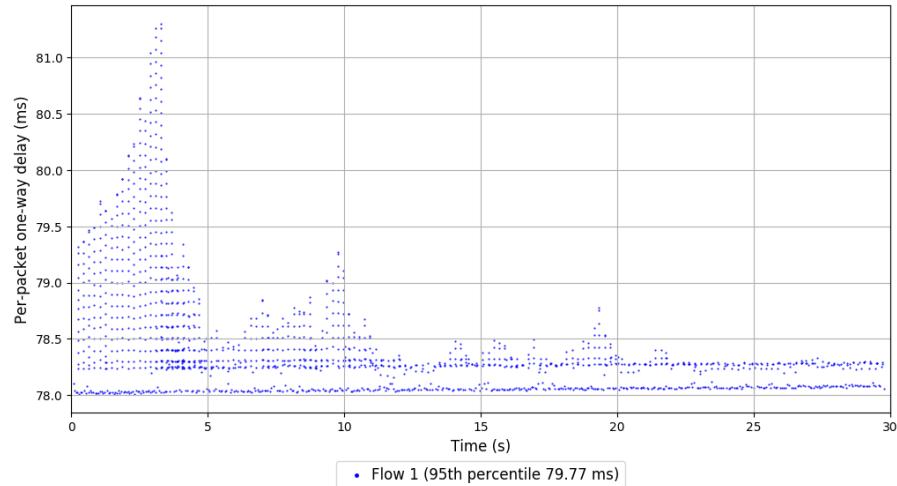
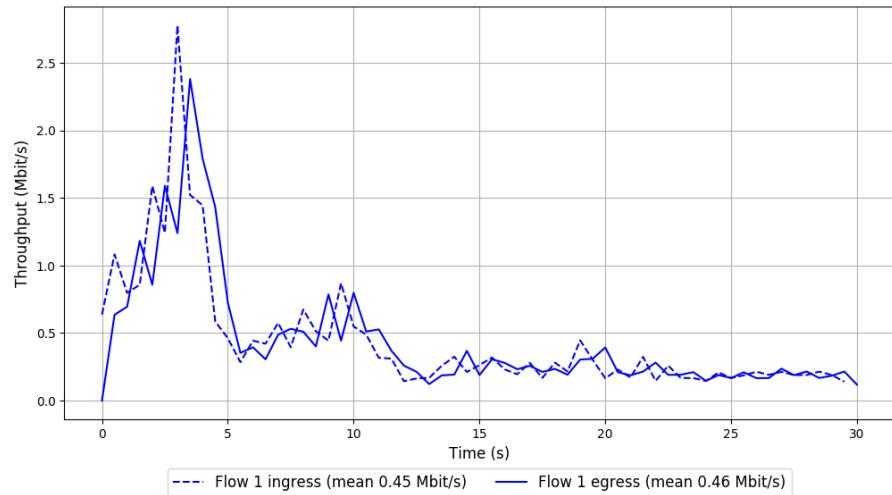


Run 7: Statistics of Sprout

```
Start at: 2018-06-05 21:28:14
End at: 2018-06-05 21:28:44
Local clock offset: -9.016 ms
Remote clock offset: 9.524 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 79.768 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 79.768 ms
Loss rate: 0.26%
```

Run 7: Report of Sprout — Data Link

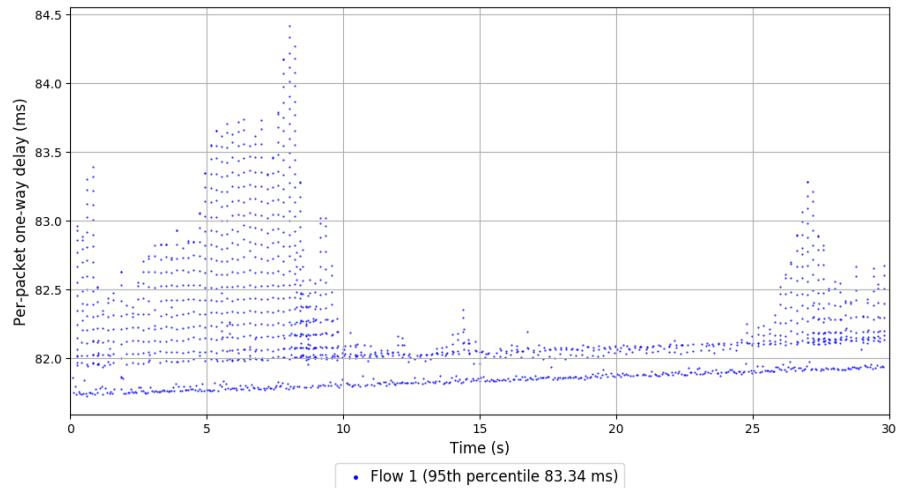
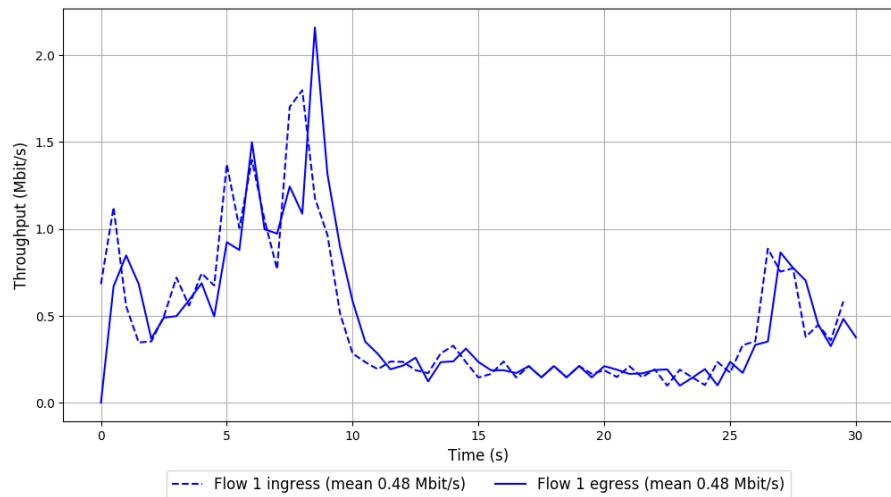


Run 8: Statistics of Sprout

```
Start at: 2018-06-05 21:46:53
End at: 2018-06-05 21:47:23
Local clock offset: -8.427 ms
Remote clock offset: 7.493 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 83.337 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 83.337 ms
Loss rate: 0.73%
```

Run 8: Report of Sprout — Data Link

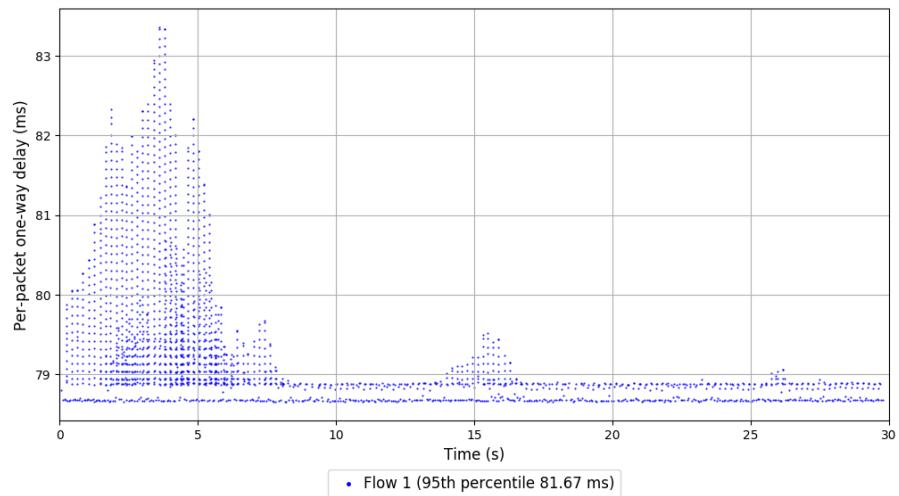
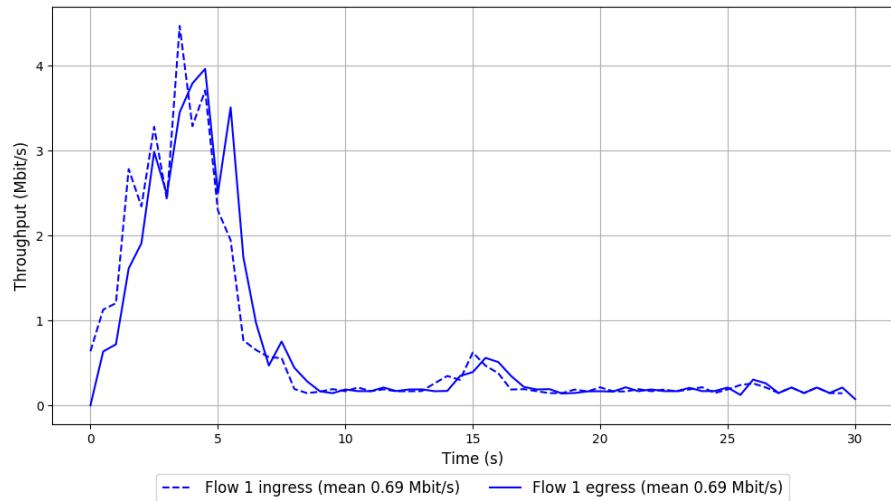


Run 9: Statistics of Sprout

```
Start at: 2018-06-05 22:05:31
End at: 2018-06-05 22:06:01
Local clock offset: -8.158 ms
Remote clock offset: 14.668 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 81.666 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 81.666 ms
Loss rate: 0.17%
```

Run 9: Report of Sprout — Data Link

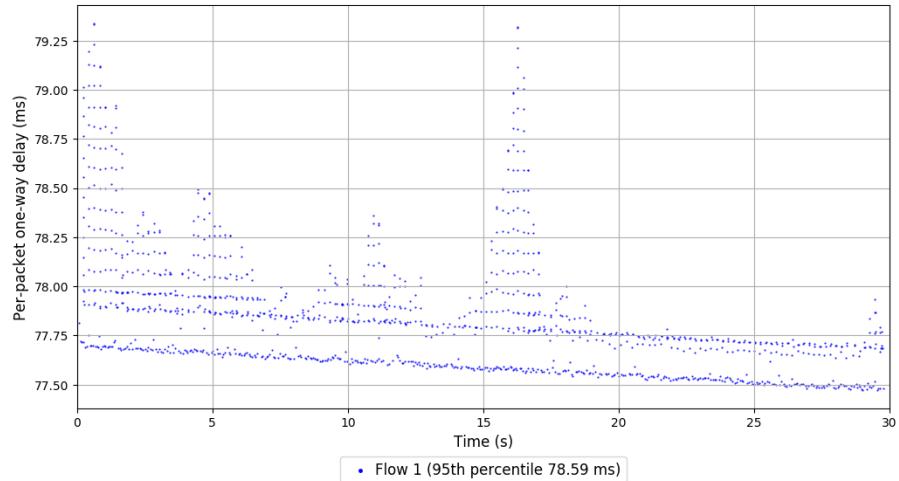
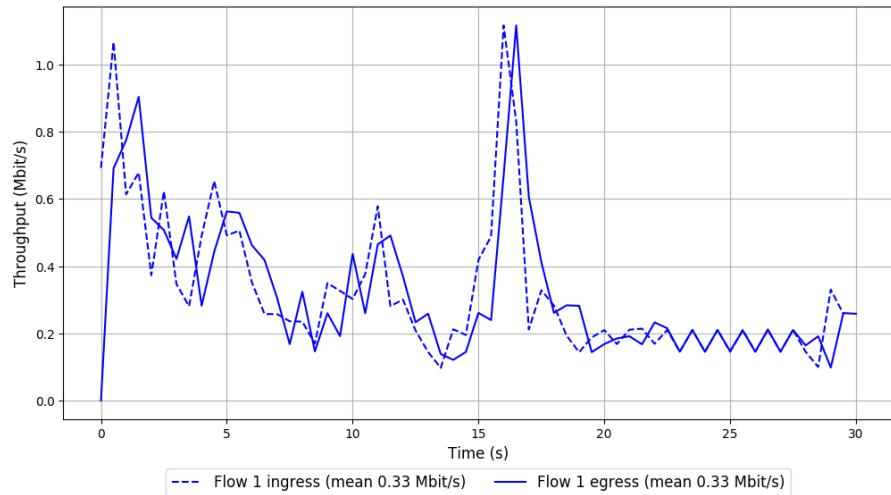


Run 10: Statistics of Sprout

```
Start at: 2018-06-05 22:24:10
End at: 2018-06-05 22:24:40
Local clock offset: -7.275 ms
Remote clock offset: 12.559 ms

# Below is generated by plot.py at 2018-06-05 22:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 78.593 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 78.593 ms
Loss rate: 0.37%
```

Run 10: Report of Sprout — Data Link

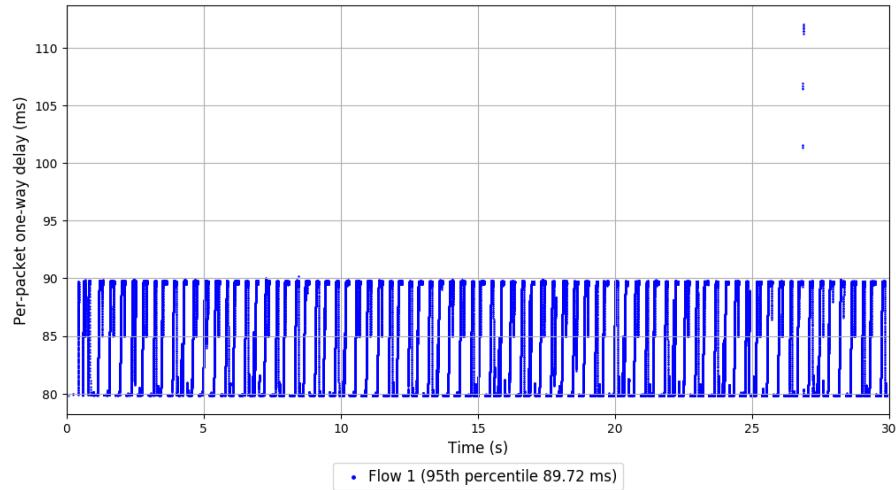
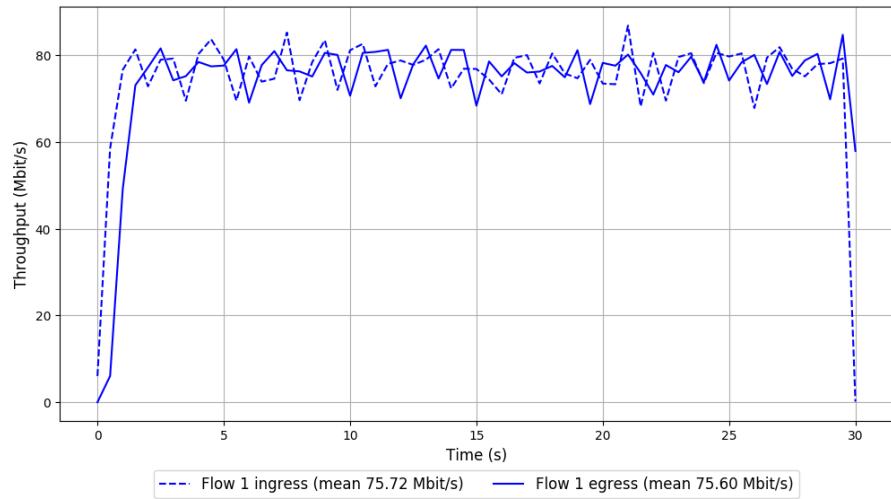


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-05 19:42:07
End at: 2018-06-05 19:42:37
Local clock offset: -1.711 ms
Remote clock offset: 15.237 ms

# Below is generated by plot.py at 2018-06-05 22:53:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 89.719 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 89.719 ms
Loss rate: 0.71%
```

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

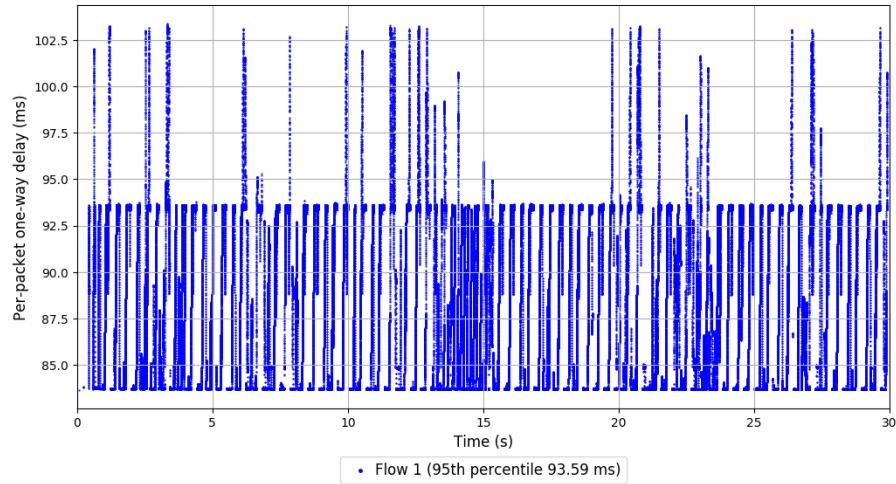
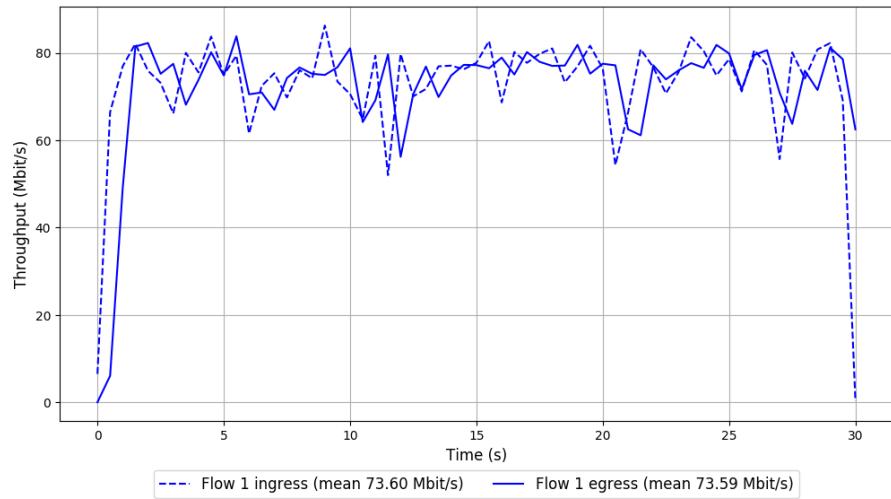


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-05 20:00:46
End at: 2018-06-05 20:01:16
Local clock offset: -1.676 ms
Remote clock offset: 10.772 ms

# Below is generated by plot.py at 2018-06-05 22:53:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 93.587 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 93.587 ms
Loss rate: 0.56%
```

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

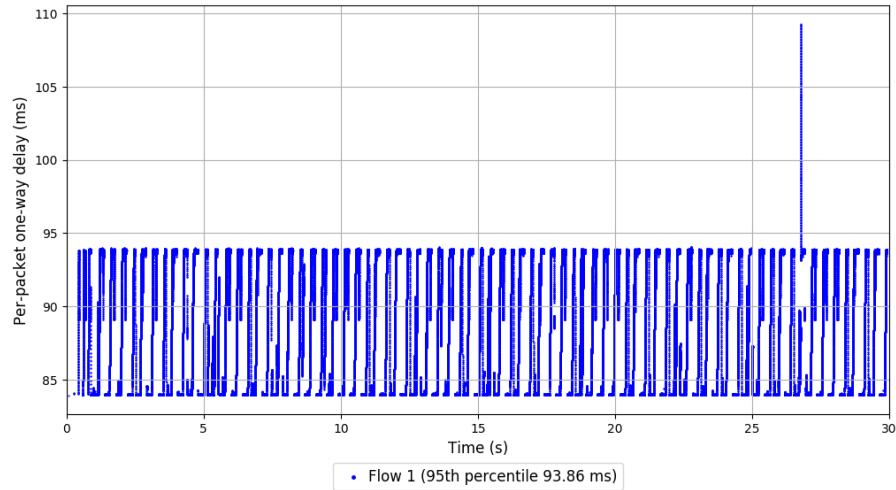
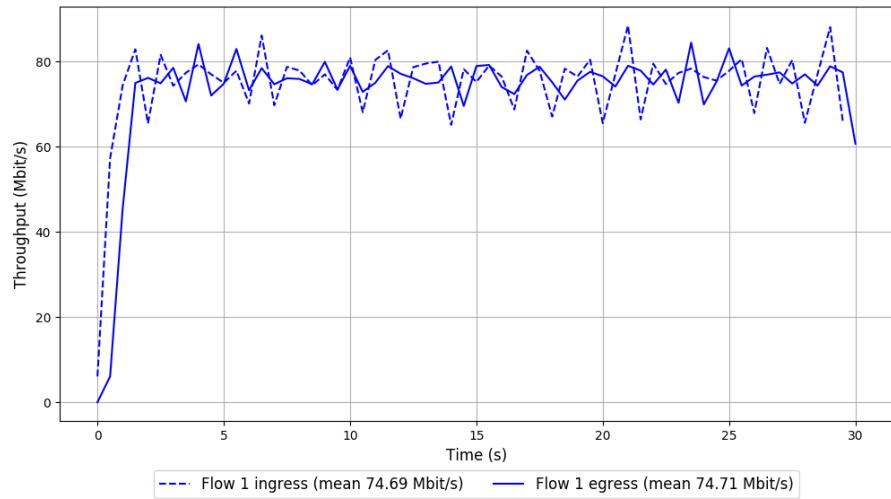


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-05 20:19:22
End at: 2018-06-05 20:19:52
Local clock offset: -3.14 ms
Remote clock offset: 8.219 ms

# Below is generated by plot.py at 2018-06-05 22:53:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.71 Mbit/s
95th percentile per-packet one-way delay: 93.855 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 74.71 Mbit/s
95th percentile per-packet one-way delay: 93.855 ms
Loss rate: 0.52%
```

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

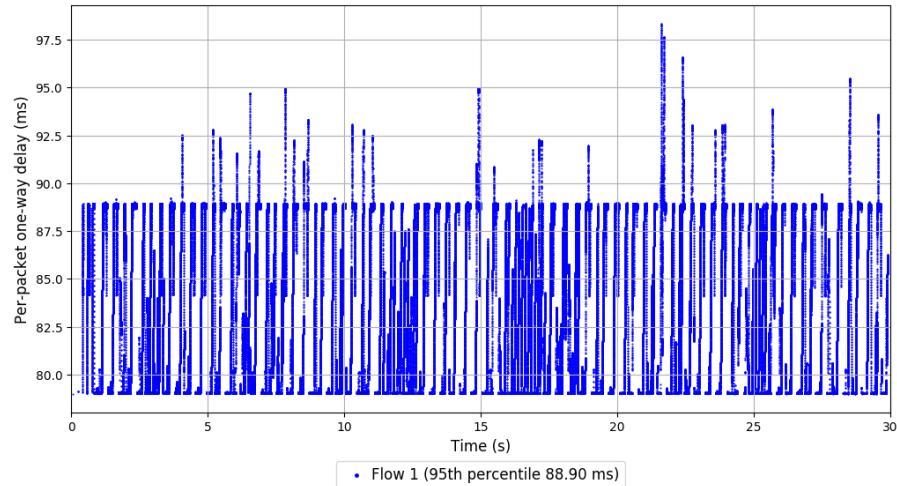
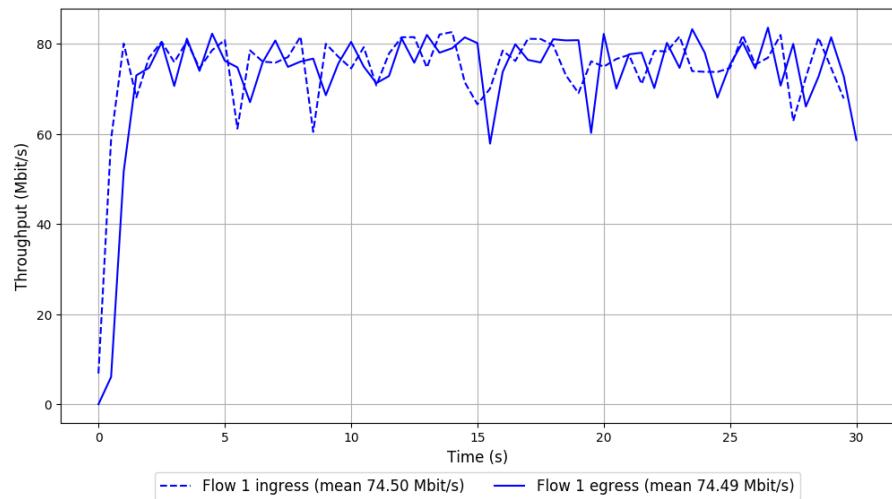


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-05 20:38:06
End at: 2018-06-05 20:38:36
Local clock offset: -4.466 ms
Remote clock offset: 10.399 ms

# Below is generated by plot.py at 2018-06-05 22:53:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 88.903 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 88.903 ms
Loss rate: 0.55%
```

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

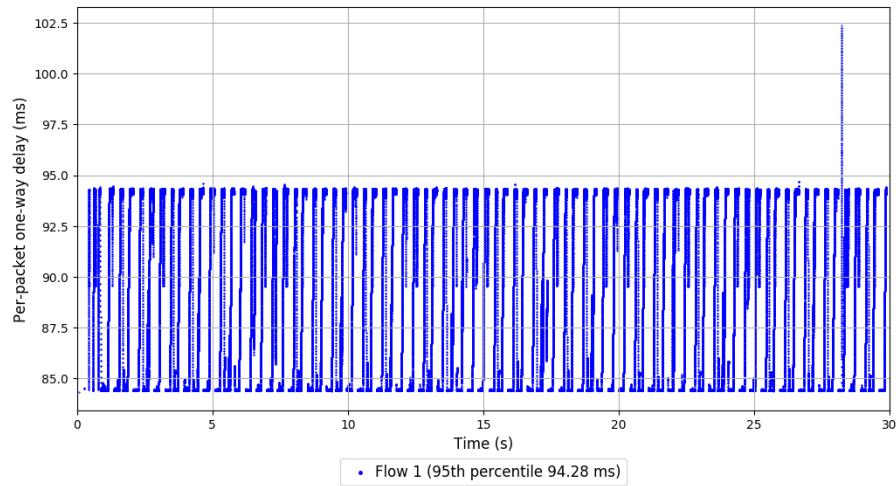
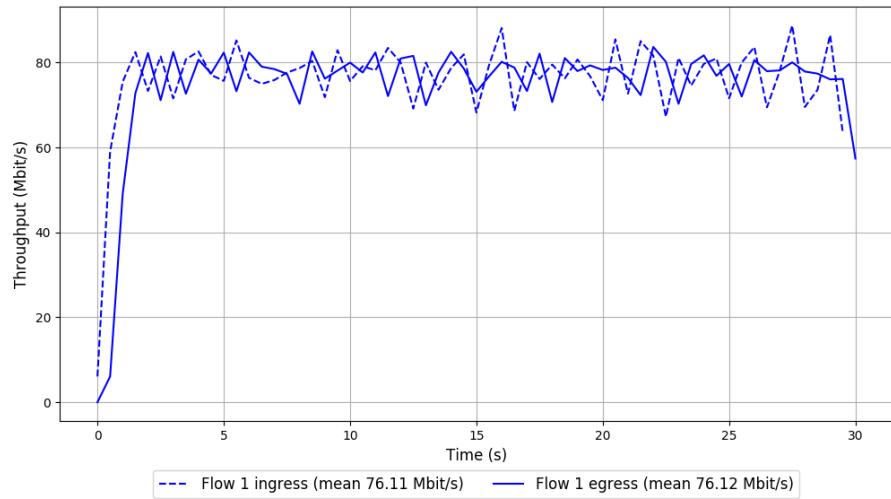


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-05 20:56:45
End at: 2018-06-05 20:57:15
Local clock offset: -8.098 ms
Remote clock offset: 3.351 ms

# Below is generated by plot.py at 2018-06-05 22:53:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.12 Mbit/s
95th percentile per-packet one-way delay: 94.280 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 76.12 Mbit/s
95th percentile per-packet one-way delay: 94.280 ms
Loss rate: 0.53%
```

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

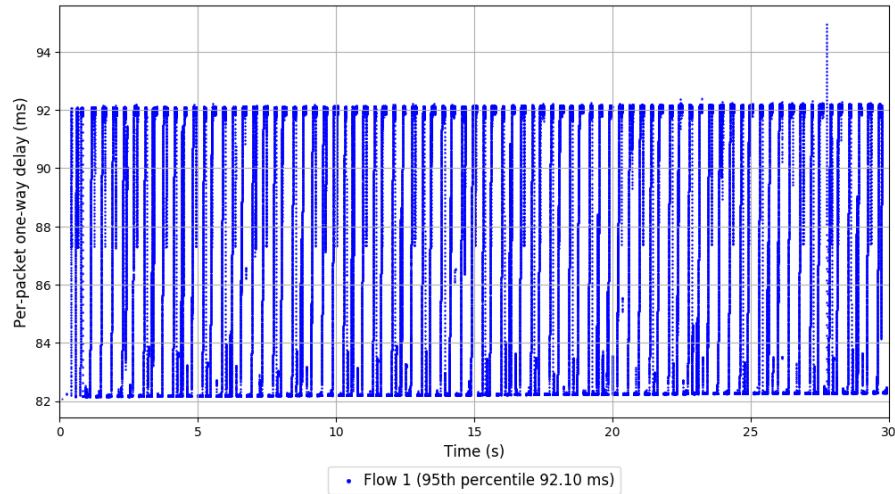
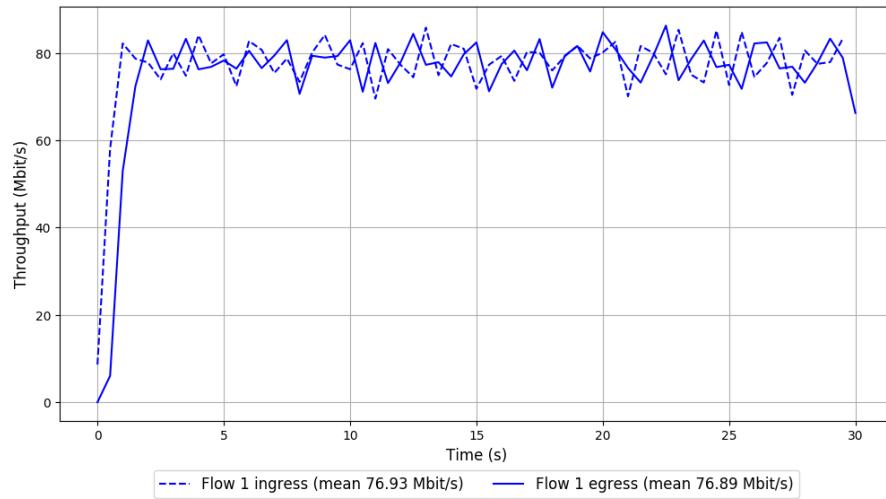


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-05 21:15:23
End at: 2018-06-05 21:15:53
Local clock offset: -9.859 ms
Remote clock offset: 2.923 ms

# Below is generated by plot.py at 2018-06-05 22:53:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 92.104 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 92.104 ms
Loss rate: 0.61%
```

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

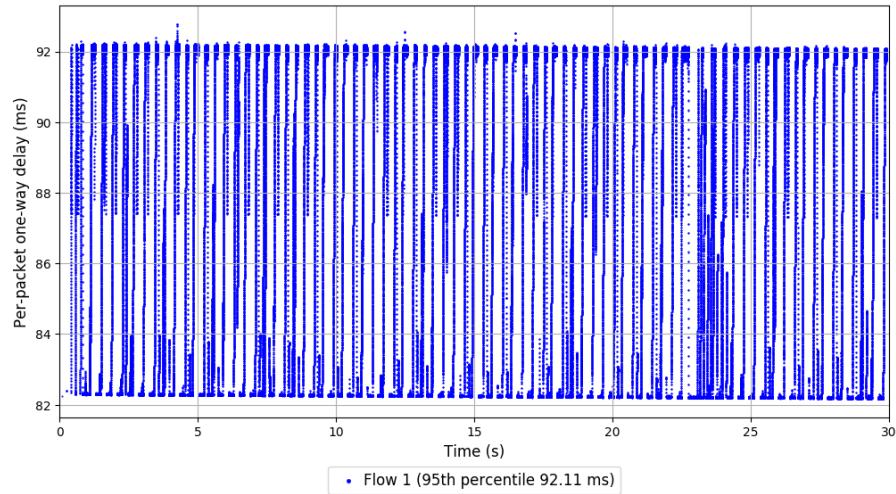
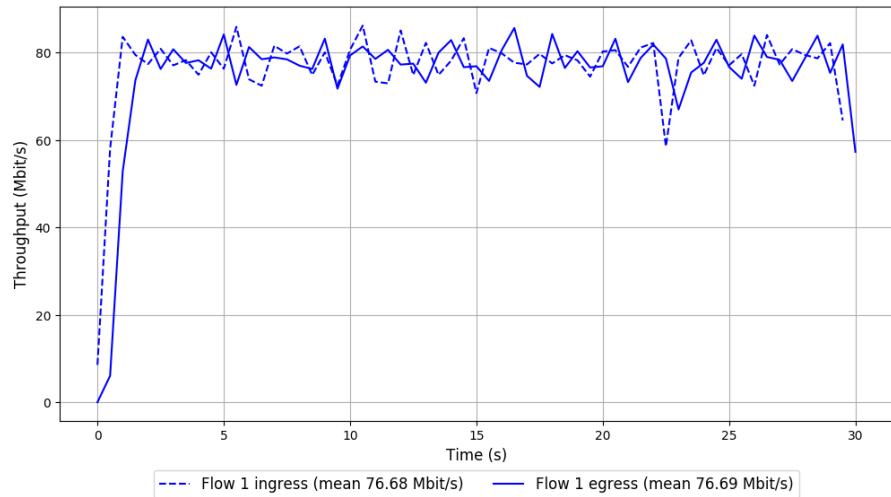


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-05 21:34:01
End at: 2018-06-05 21:34:31
Local clock offset: -9.338 ms
Remote clock offset: 5.57 ms

# Below is generated by plot.py at 2018-06-05 22:53:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 92.107 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 92.107 ms
Loss rate: 0.53%
```

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

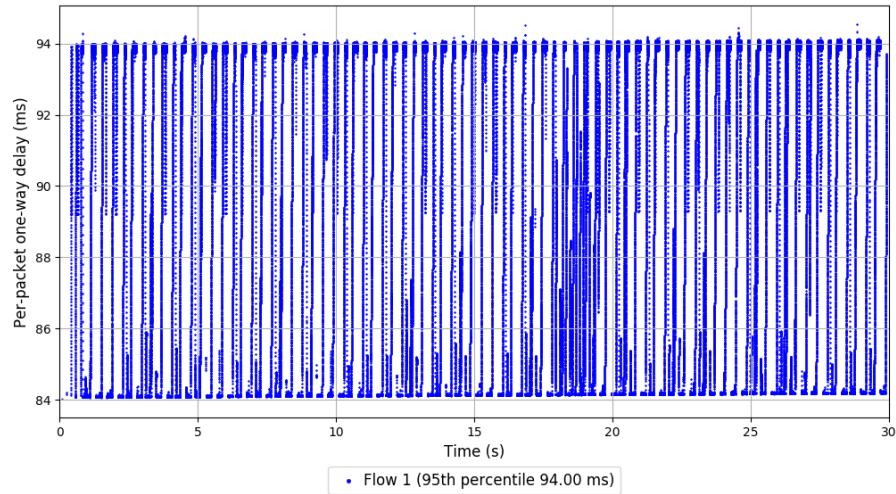
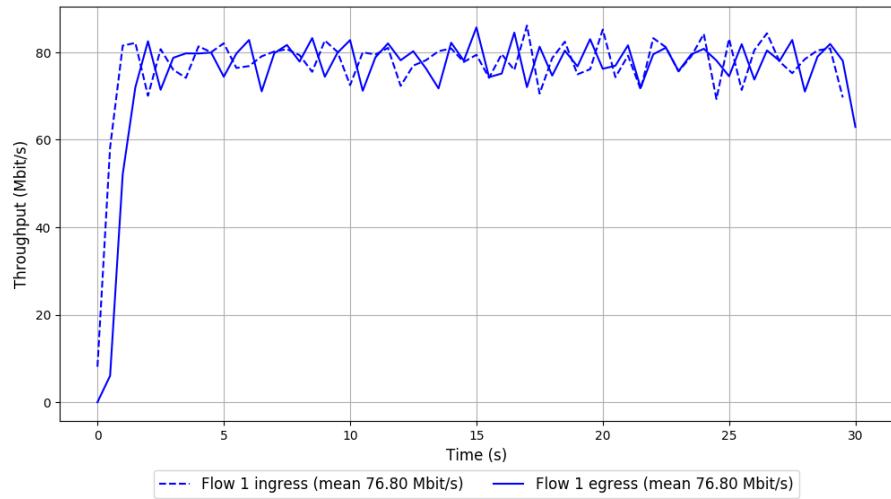


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-05 21:52:41
End at: 2018-06-05 21:53:11
Local clock offset: -7.549 ms
Remote clock offset: 8.402 ms

# Below is generated by plot.py at 2018-06-05 22:53:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 94.001 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 94.001 ms
Loss rate: 0.54%
```

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

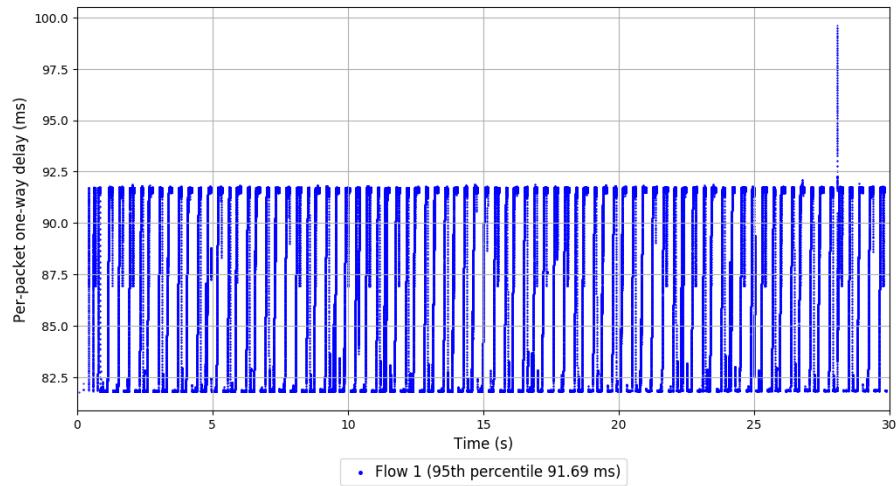
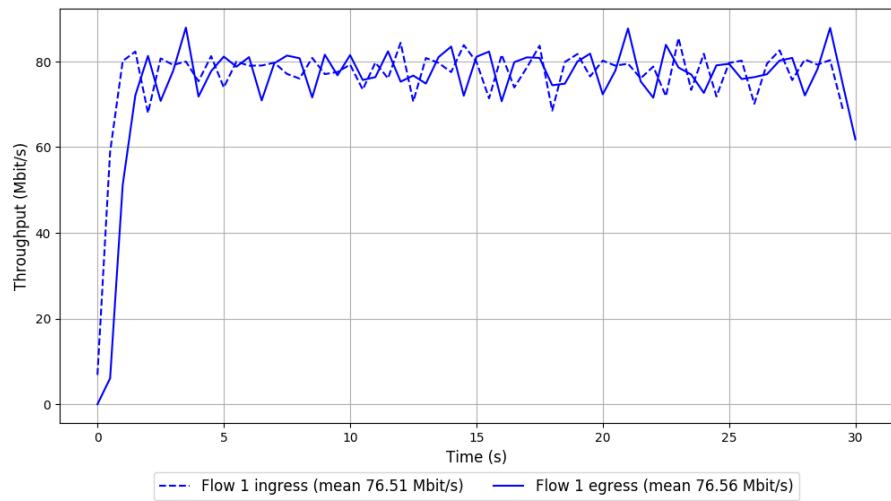


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-05 22:11:19
End at: 2018-06-05 22:11:49
Local clock offset: -7.616 ms
Remote clock offset: 12.358 ms

# Below is generated by plot.py at 2018-06-05 22:55:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.56 Mbit/s
95th percentile per-packet one-way delay: 91.693 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 76.56 Mbit/s
95th percentile per-packet one-way delay: 91.693 ms
Loss rate: 0.47%
```

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

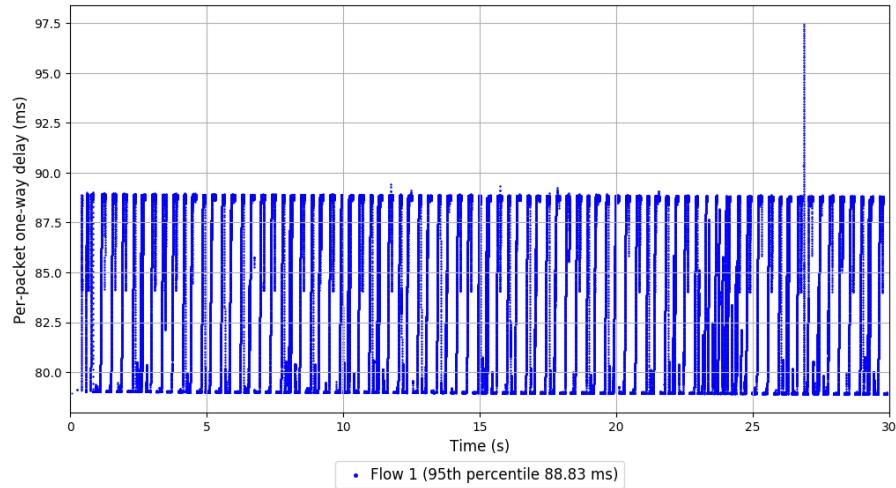
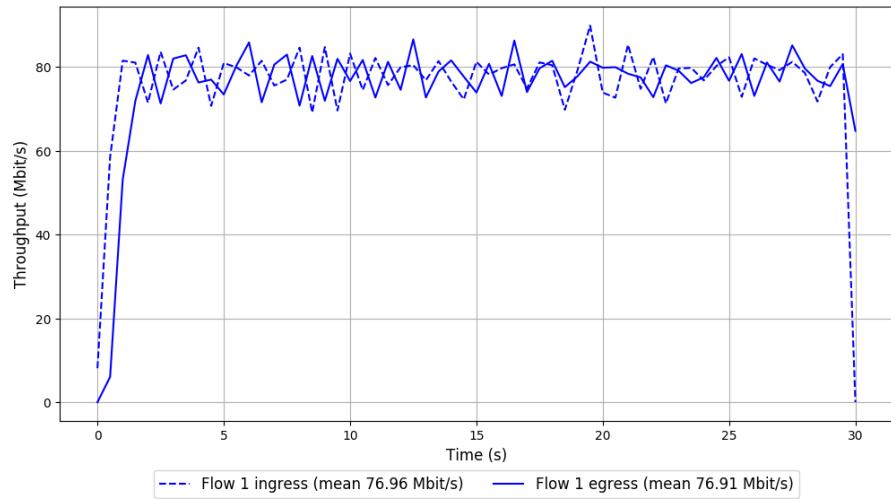


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-05 22:29:58
End at: 2018-06-05 22:30:28
Local clock offset: -7.298 ms
Remote clock offset: 9.571 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 88.826 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 88.826 ms
Loss rate: 0.62%
```

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

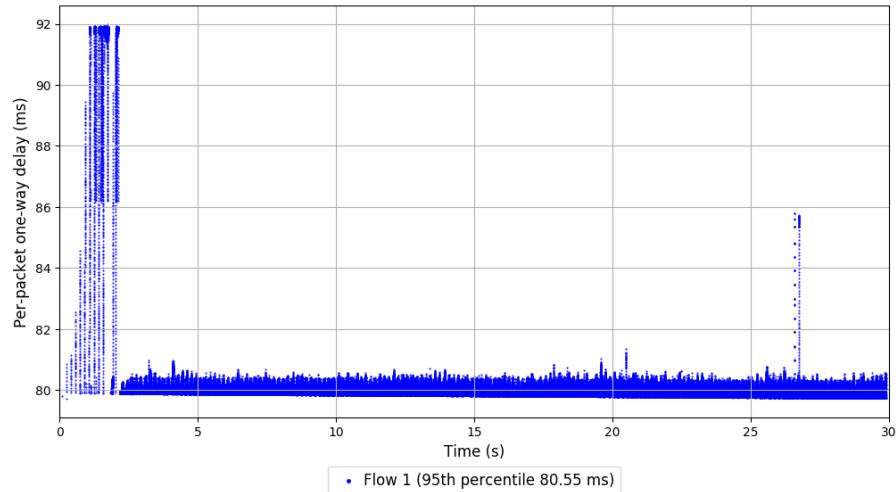
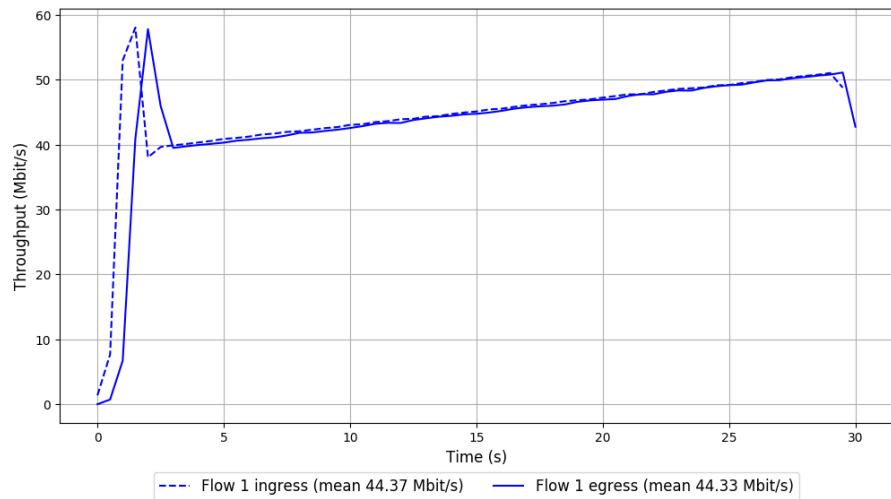


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-05 19:30:31
End at: 2018-06-05 19:31:01
Local clock offset: -1.743 ms
Remote clock offset: 16.984 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 80.553 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 80.553 ms
Loss rate: 0.63%
```

Run 1: Report of TCP Vegas — Data Link

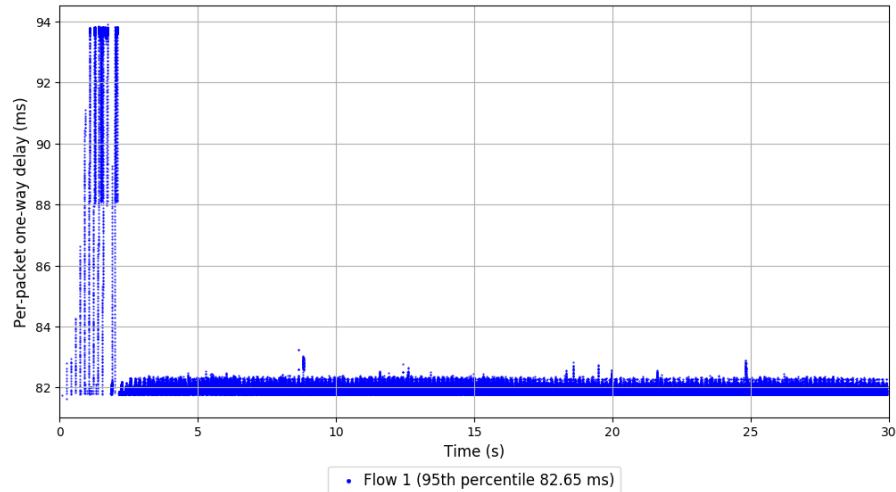
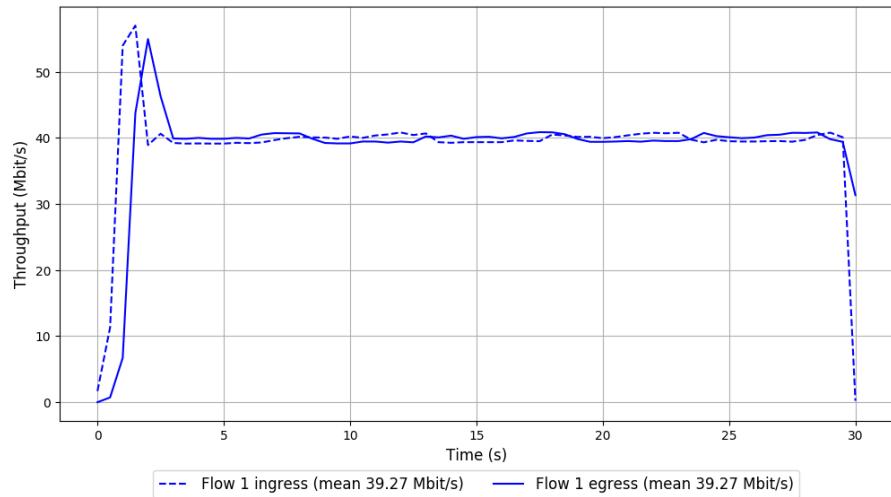


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-05 19:49:11
End at: 2018-06-05 19:49:41
Local clock offset: -1.696 ms
Remote clock offset: 11.023 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 82.650 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 82.650 ms
Loss rate: 0.55%
```

Run 2: Report of TCP Vegas — Data Link

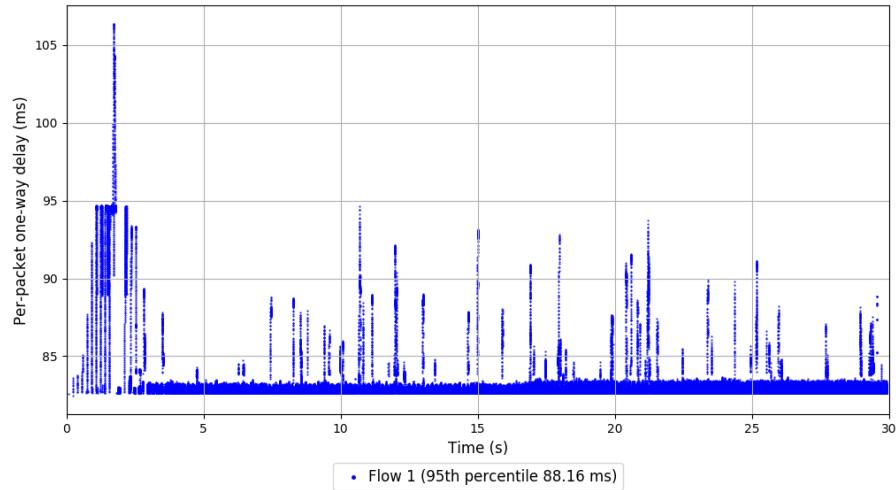
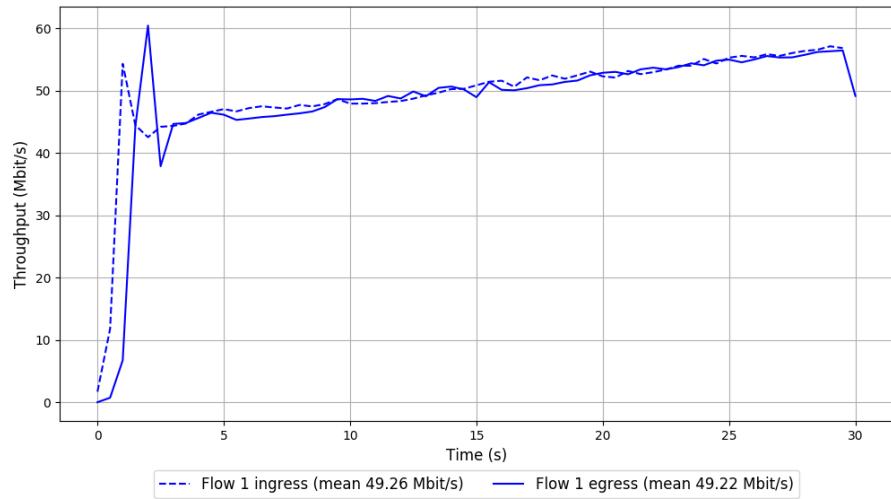


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-05 20:07:48
End at: 2018-06-05 20:08:18
Local clock offset: -1.166 ms
Remote clock offset: 9.947 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 88.163 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 88.163 ms
Loss rate: 0.62%
```

Run 3: Report of TCP Vegas — Data Link

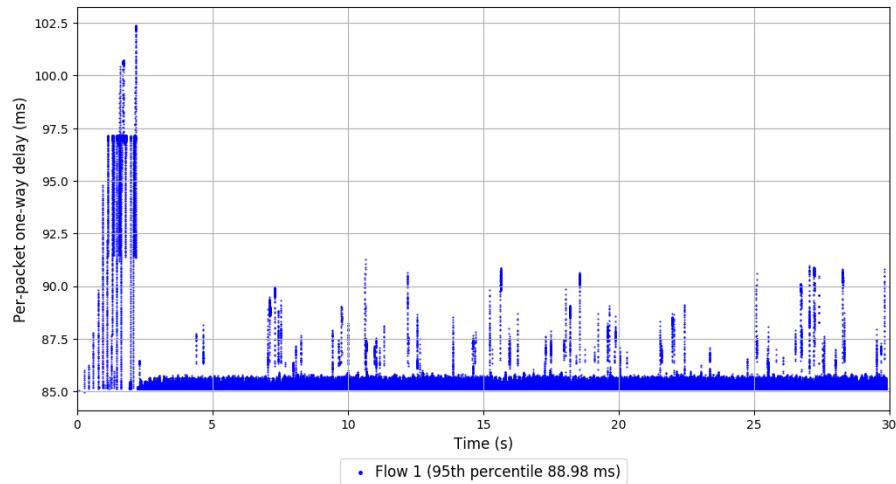
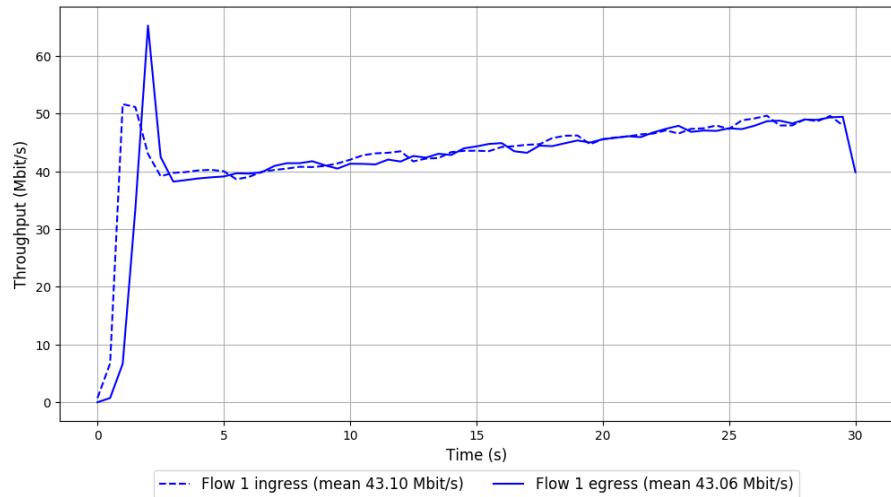


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-05 20:26:27
End at: 2018-06-05 20:26:57
Local clock offset: -2.514 ms
Remote clock offset: 8.017 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 88.976 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 88.976 ms
Loss rate: 0.63%
```

Run 4: Report of TCP Vegas — Data Link

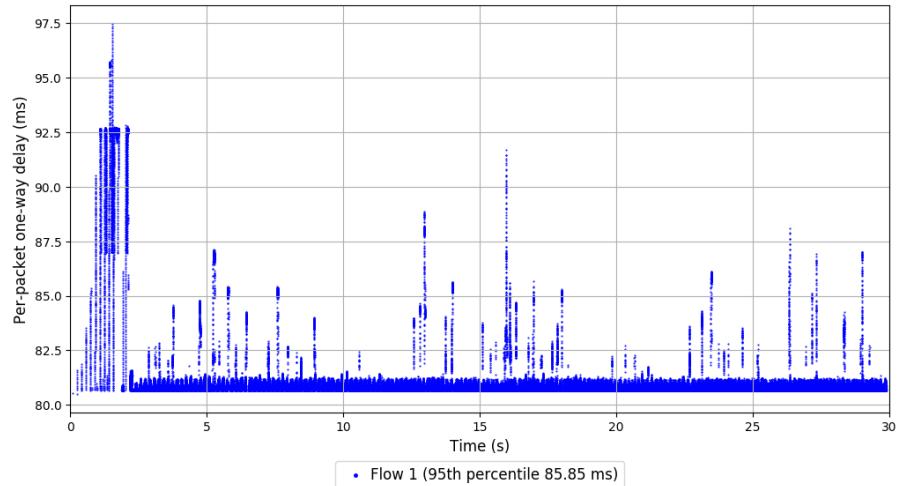
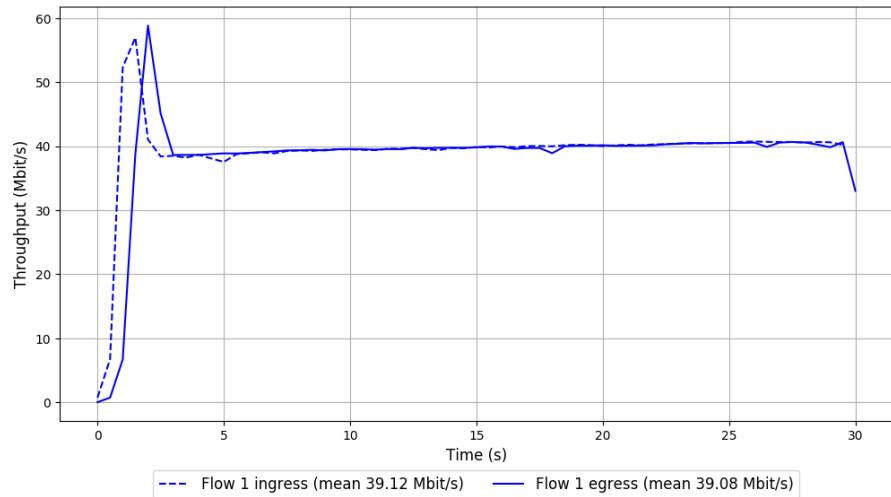


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-05 20:45:12
End at: 2018-06-05 20:45:42
Local clock offset: -6.41 ms
Remote clock offset: 8.314 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 85.849 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 85.849 ms
Loss rate: 0.58%
```

Run 5: Report of TCP Vegas — Data Link

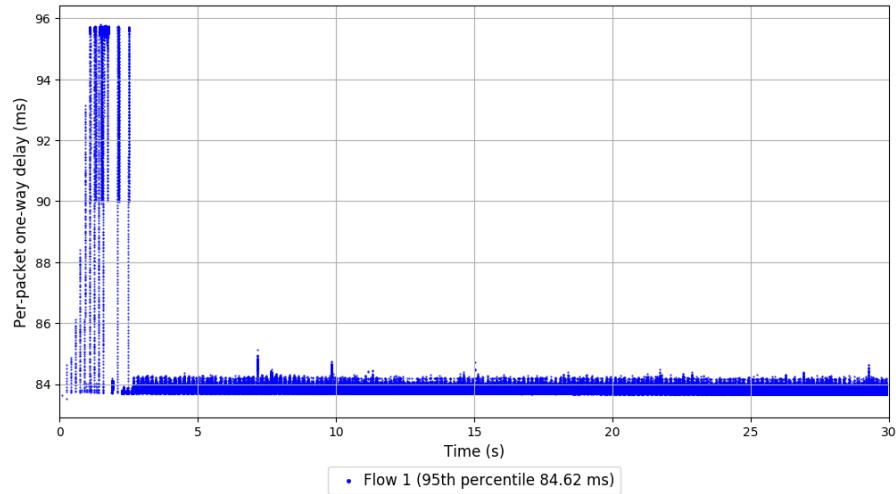
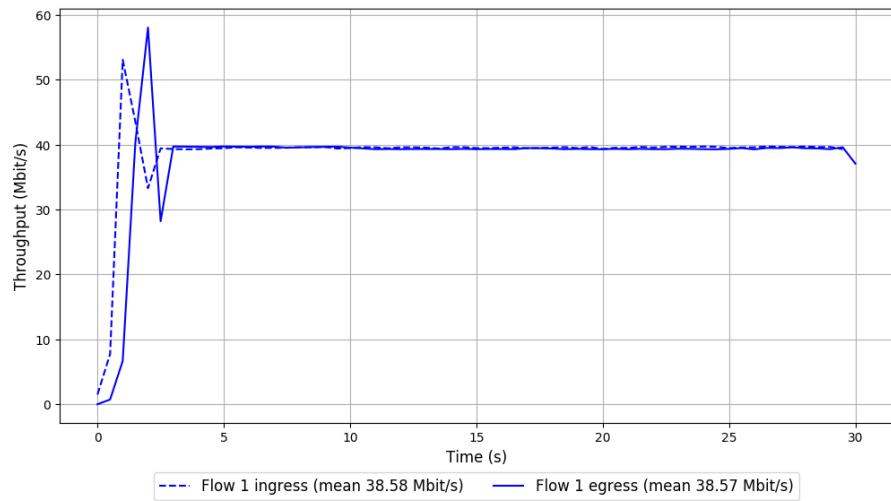


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-05 21:03:49
End at: 2018-06-05 21:04:19
Local clock offset: -8.851 ms
Remote clock offset: 2.623 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 84.619 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 84.619 ms
Loss rate: 0.55%
```

Run 6: Report of TCP Vegas — Data Link

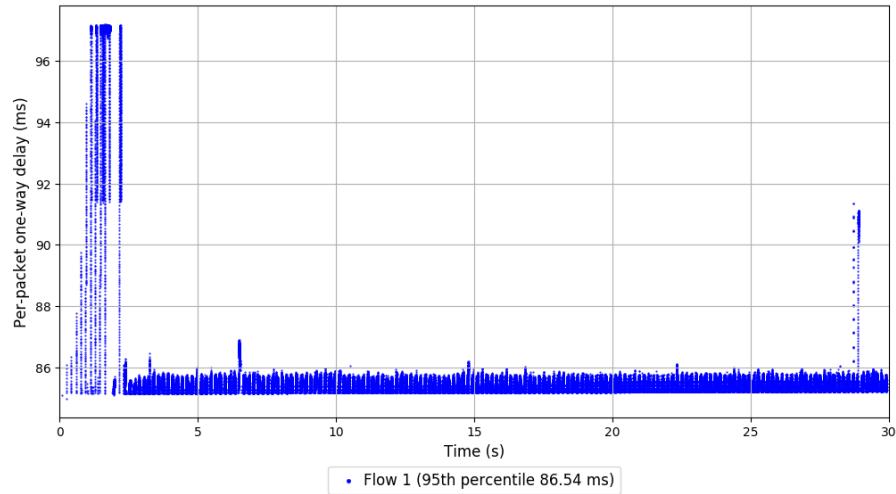
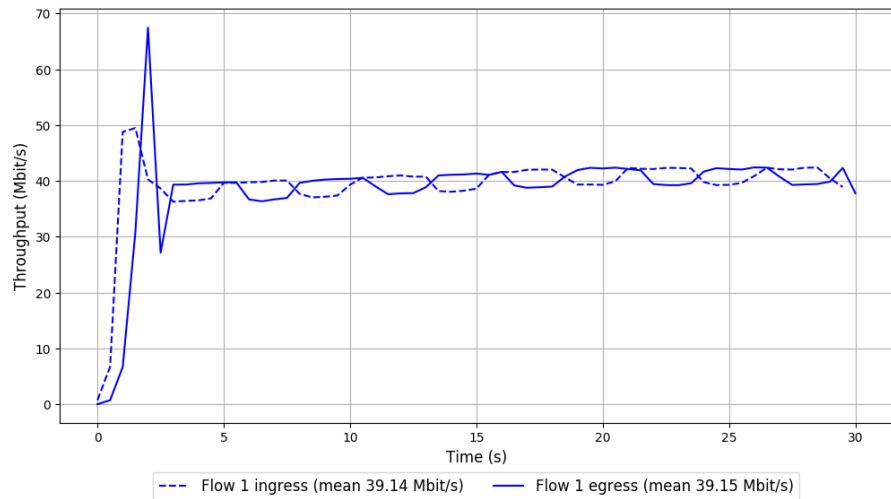


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-05 21:22:28
End at: 2018-06-05 21:22:58
Local clock offset: -9.451 ms
Remote clock offset: 3.985 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 86.536 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 86.536 ms
Loss rate: 0.54%
```

Run 7: Report of TCP Vegas — Data Link

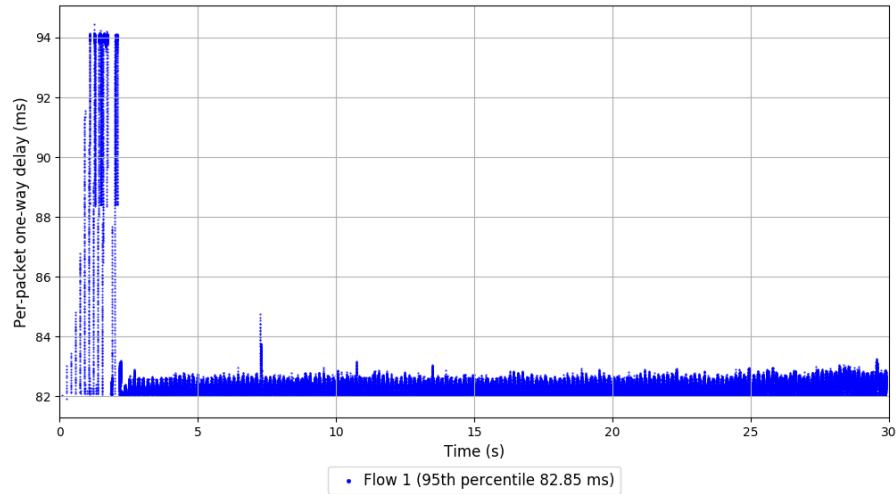
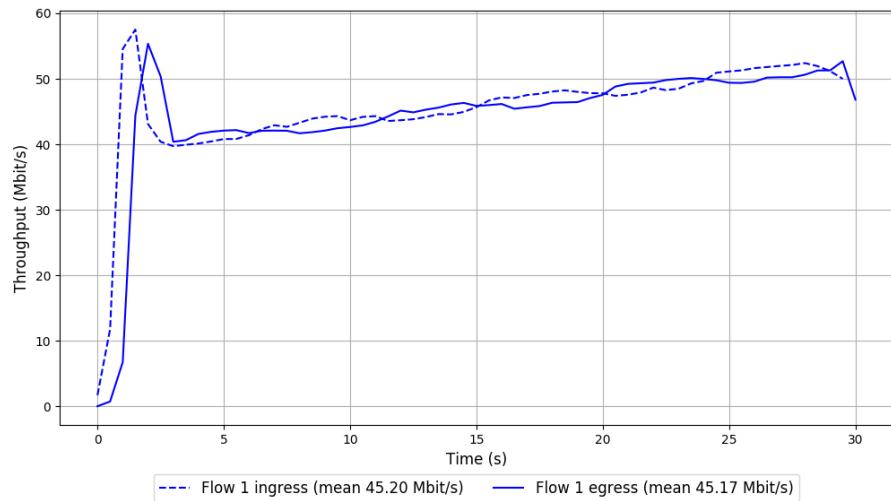


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-05 21:41:07
End at: 2018-06-05 21:41:37
Local clock offset: -8.855 ms
Remote clock offset: 5.646 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 82.849 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 82.849 ms
Loss rate: 0.62%
```

Run 8: Report of TCP Vegas — Data Link

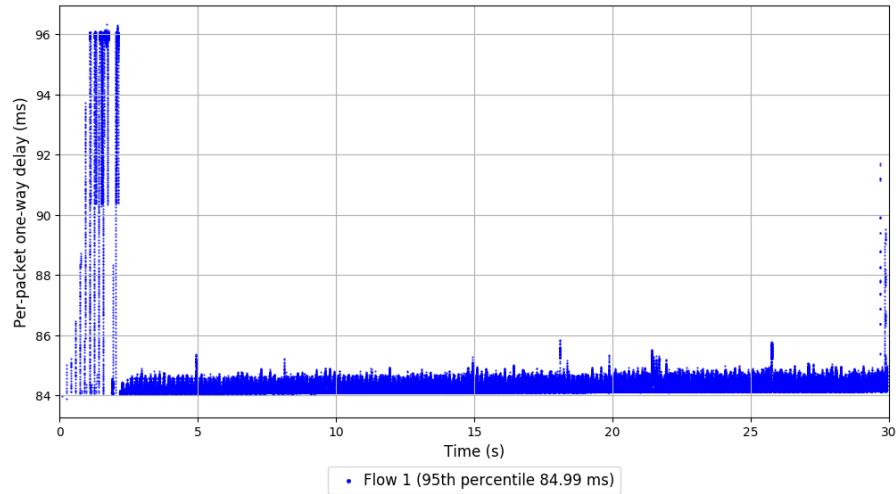
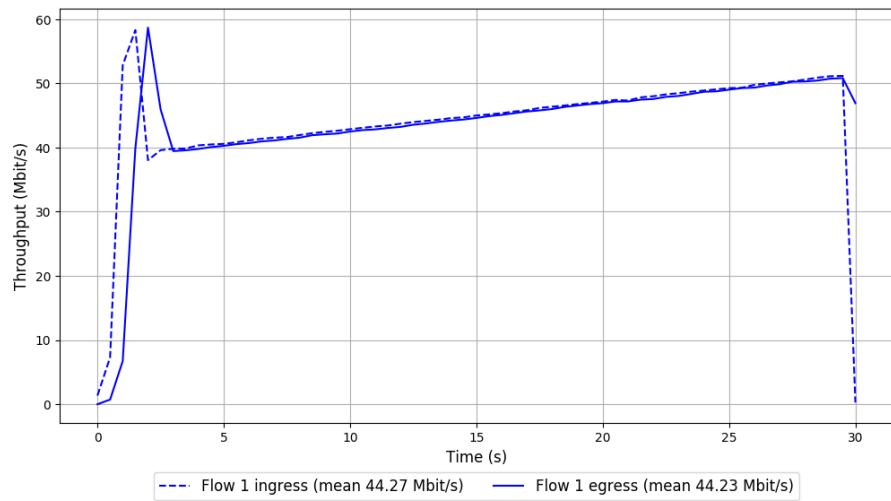


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-05 21:59:46
End at: 2018-06-05 22:00:16
Local clock offset: -8.262 ms
Remote clock offset: 10.991 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 84.987 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 84.987 ms
Loss rate: 0.63%
```

Run 9: Report of TCP Vegas — Data Link

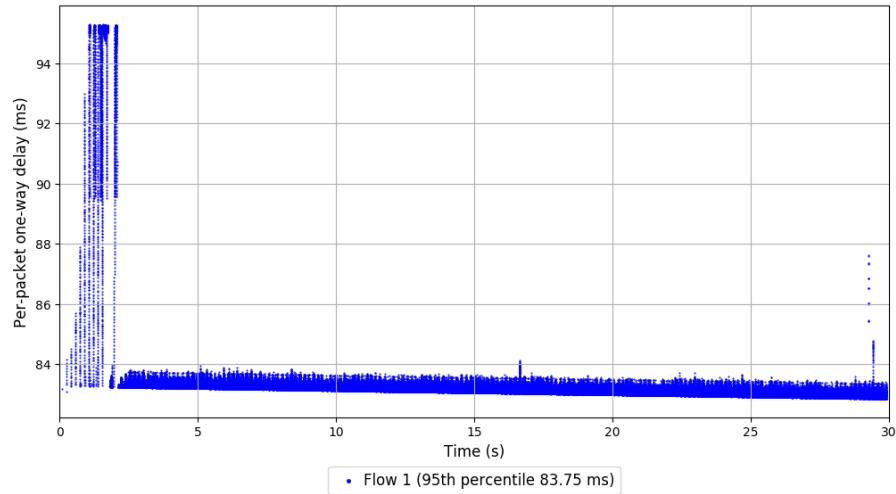
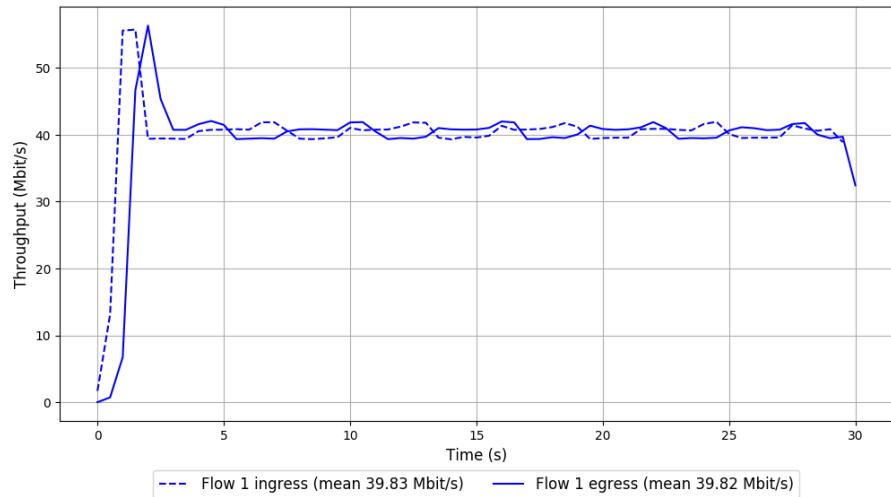


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-05 22:18:23
End at: 2018-06-05 22:18:53
Local clock offset: -6.577 ms
Remote clock offset: 11.318 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 83.752 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 83.752 ms
Loss rate: 0.55%
```

Run 10: Report of TCP Vegas — Data Link

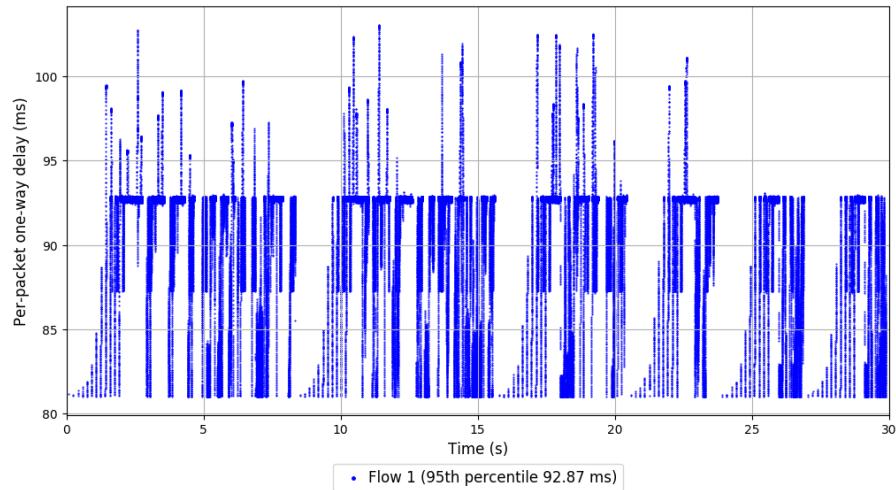
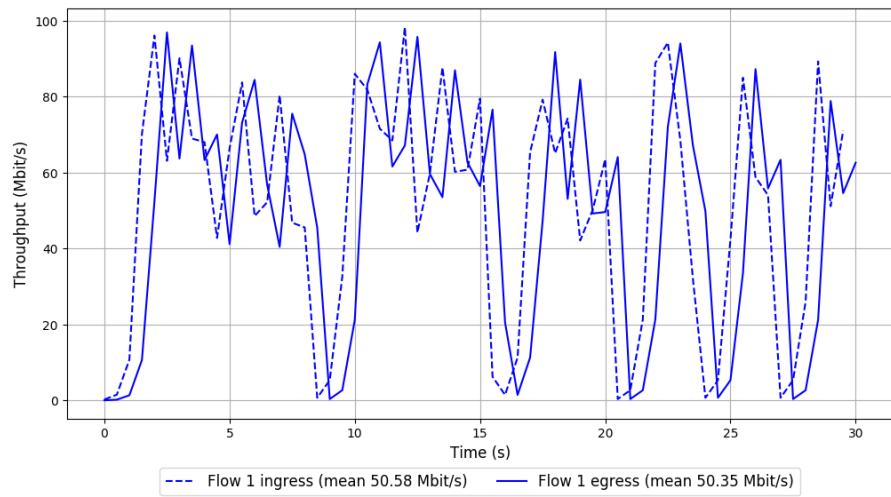


Run 1: Statistics of Verus

```
Start at: 2018-06-05 19:46:49
End at: 2018-06-05 19:47:19
Local clock offset: -1.697 ms
Remote clock offset: 14.022 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 92.869 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 92.869 ms
Loss rate: 0.86%
```

Run 1: Report of Verus — Data Link

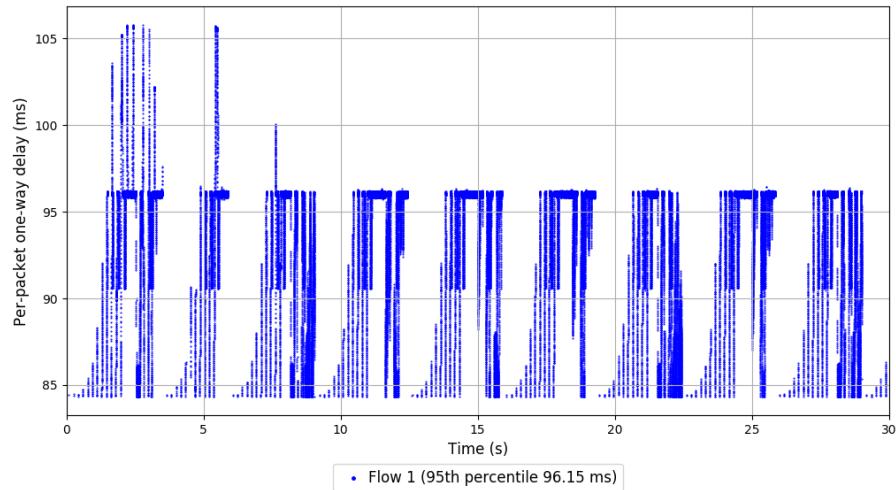
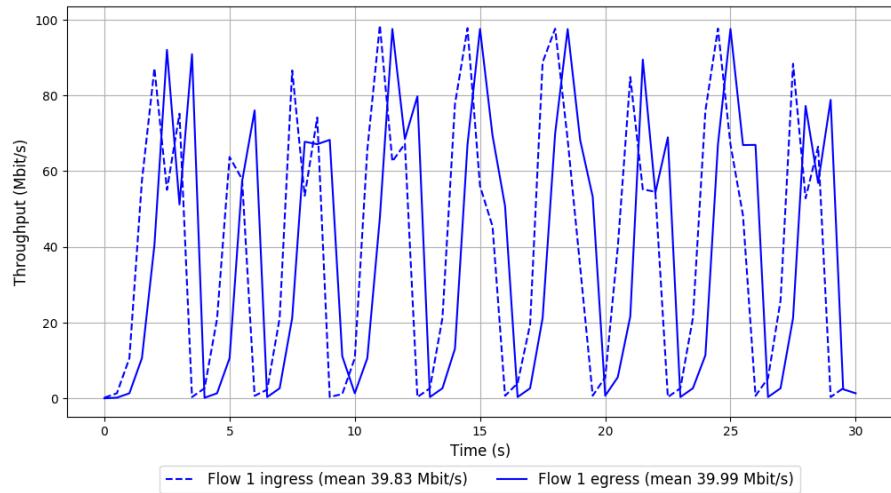


Run 2: Statistics of Verus

```
Start at: 2018-06-05 20:05:26
End at: 2018-06-05 20:05:56
Local clock offset: -1.017 ms
Remote clock offset: 10.189 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 96.150 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 96.150 ms
Loss rate: 0.17%
```

Run 2: Report of Verus — Data Link

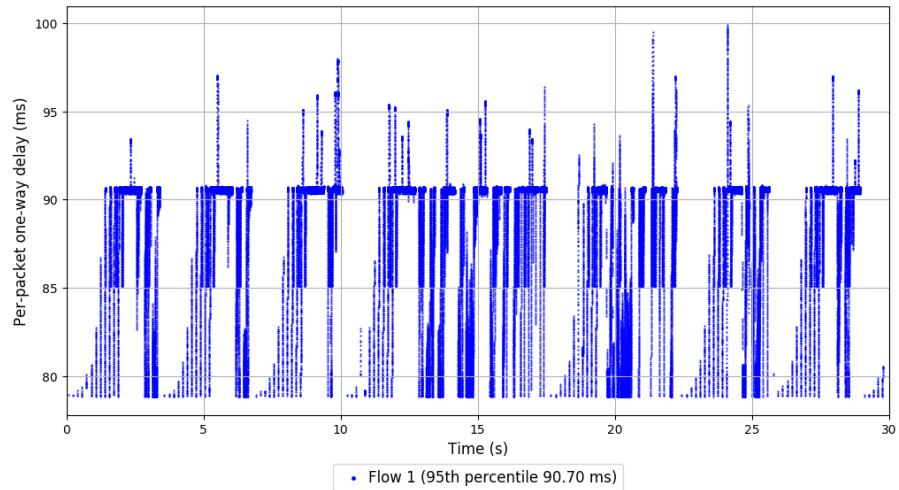
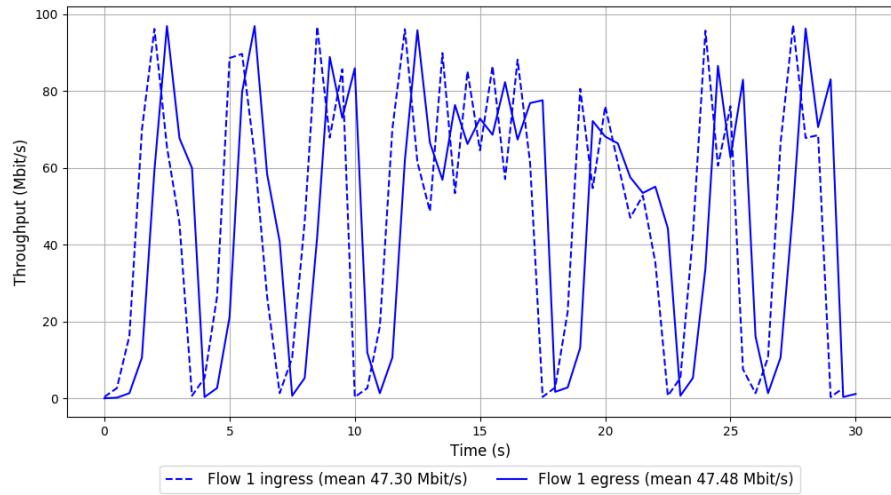


Run 3: Statistics of Verus

```
Start at: 2018-06-05 20:24:05
End at: 2018-06-05 20:24:35
Local clock offset: -2.461 ms
Remote clock offset: 12.027 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 90.698 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 90.698 ms
Loss rate: 0.17%
```

Run 3: Report of Verus — Data Link

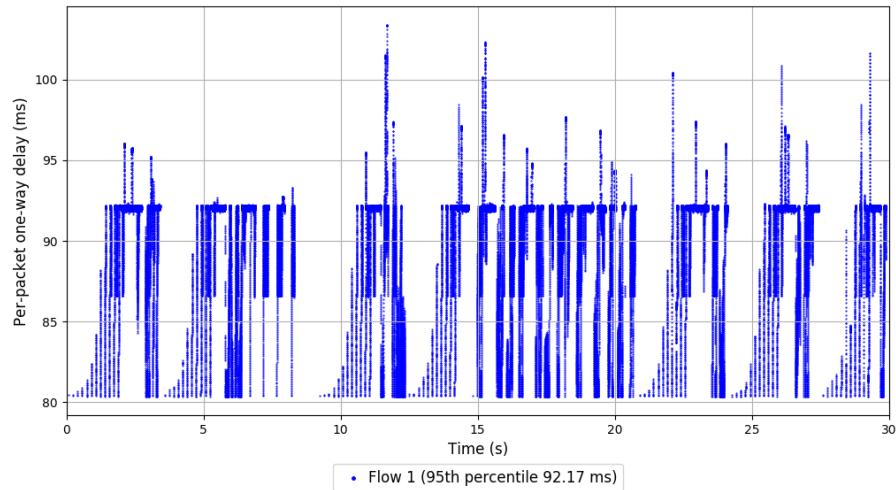
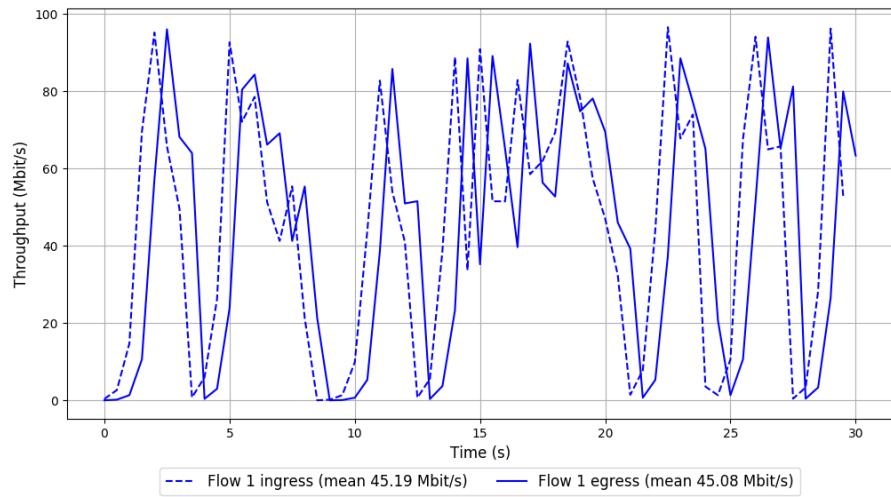


Run 4: Statistics of Verus

```
Start at: 2018-06-05 20:42:50
End at: 2018-06-05 20:43:20
Local clock offset: -5.89 ms
Remote clock offset: 9.834 ms

# Below is generated by plot.py at 2018-06-05 22:55:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.08 Mbit/s
95th percentile per-packet one-way delay: 92.169 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 45.08 Mbit/s
95th percentile per-packet one-way delay: 92.169 ms
Loss rate: 0.37%
```

Run 4: Report of Verus — Data Link

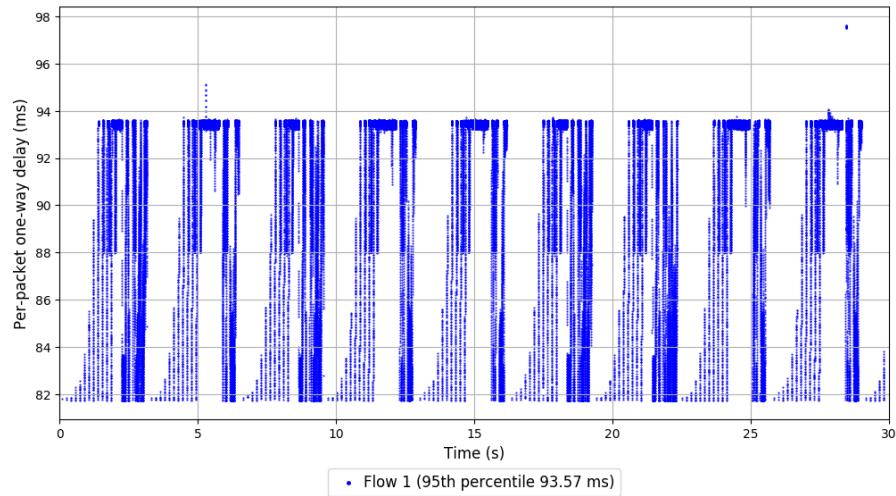
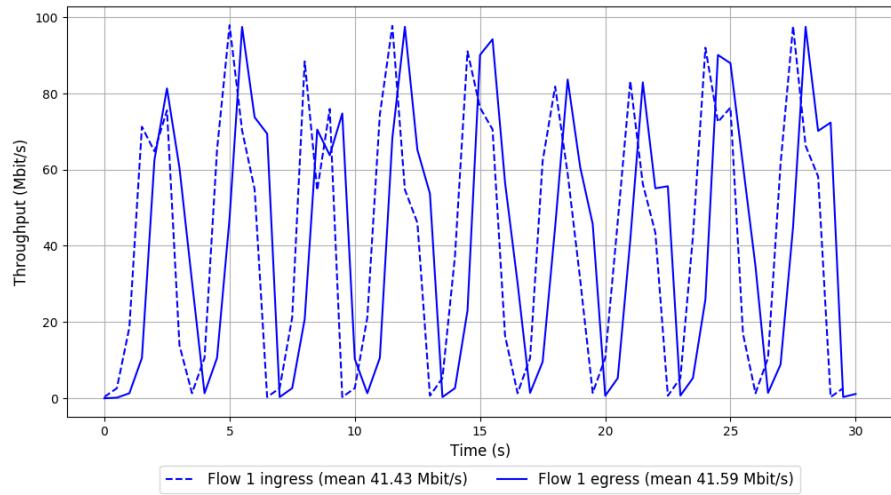


Run 5: Statistics of Verus

```
Start at: 2018-06-05 21:01:27
End at: 2018-06-05 21:01:57
Local clock offset: -8.589 ms
Remote clock offset: 2.934 ms

# Below is generated by plot.py at 2018-06-05 22:55:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.59 Mbit/s
95th percentile per-packet one-way delay: 93.566 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 41.59 Mbit/s
95th percentile per-packet one-way delay: 93.566 ms
Loss rate: 0.16%
```

Run 5: Report of Verus — Data Link

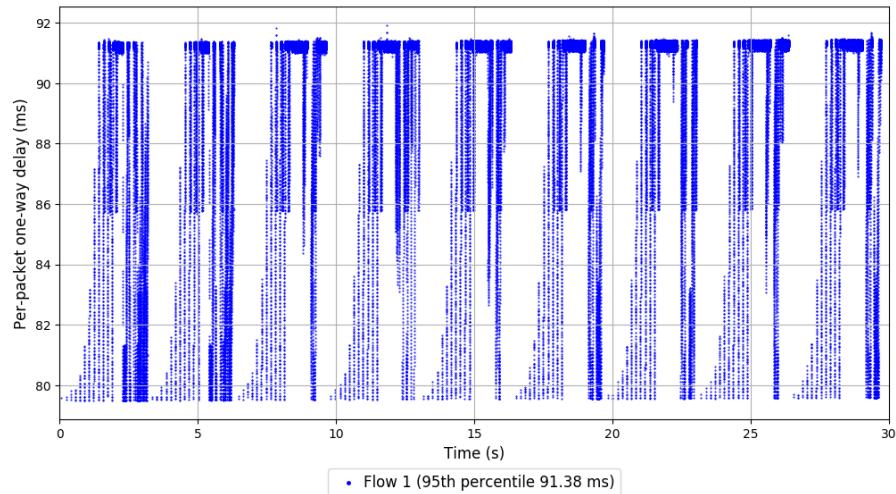
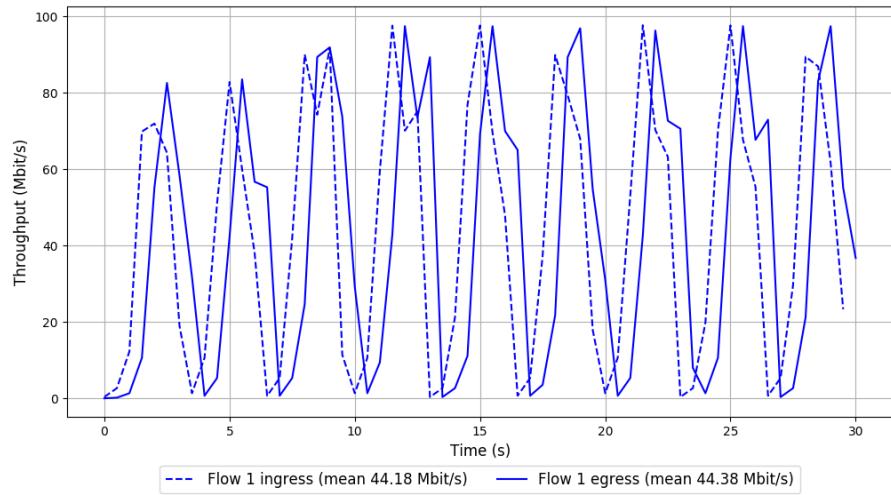


Run 6: Statistics of Verus

```
Start at: 2018-06-05 21:20:06
End at: 2018-06-05 21:20:36
Local clock offset: -8.538 ms
Remote clock offset: 9.91 ms

# Below is generated by plot.py at 2018-06-05 22:55:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 91.379 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 91.379 ms
Loss rate: 0.11%
```

Run 6: Report of Verus — Data Link

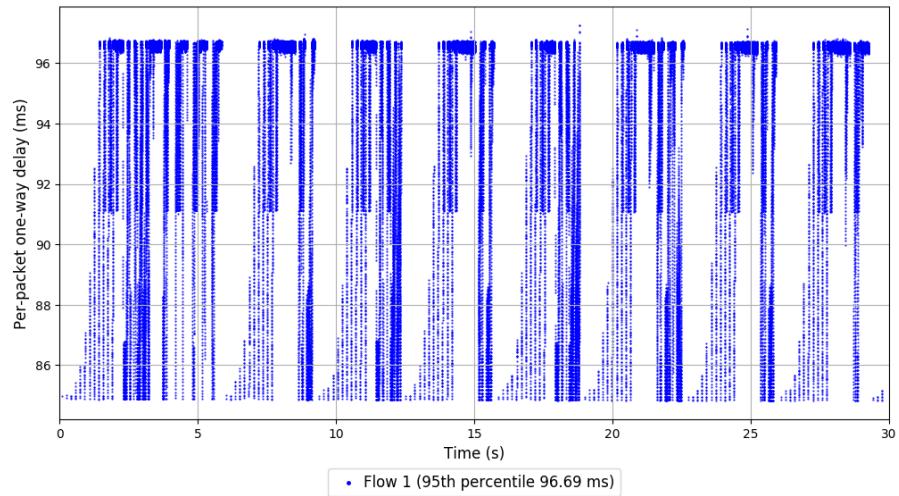
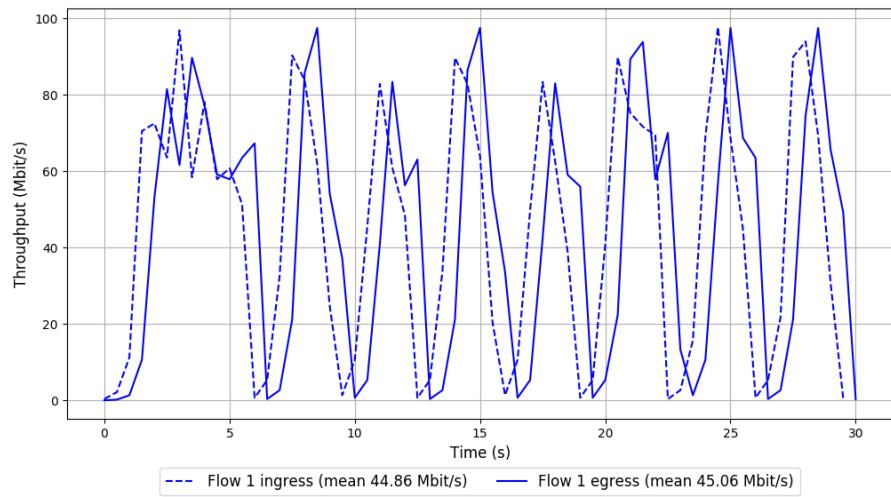


Run 7: Statistics of Verus

```
Start at: 2018-06-05 21:38:45
End at: 2018-06-05 21:39:15
Local clock offset: -8.375 ms
Remote clock offset: 5.734 ms

# Below is generated by plot.py at 2018-06-05 22:55:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 96.690 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 96.690 ms
Loss rate: 0.11%
```

Run 7: Report of Verus — Data Link

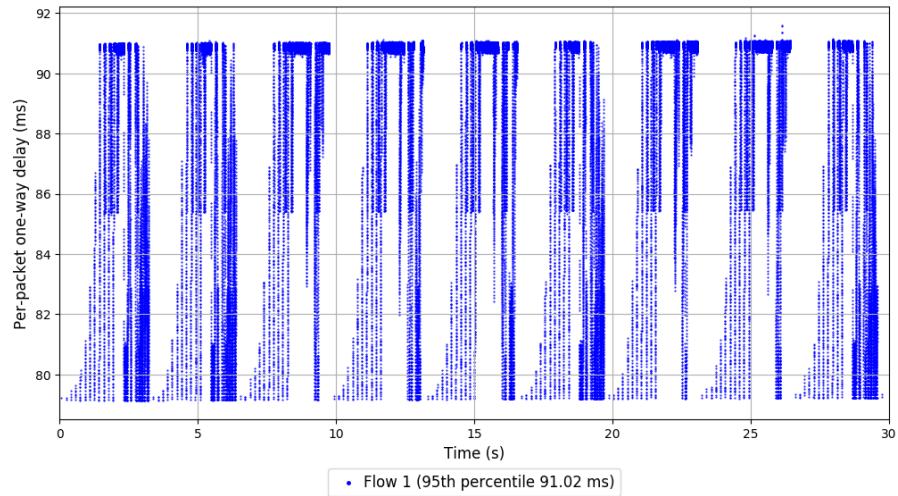
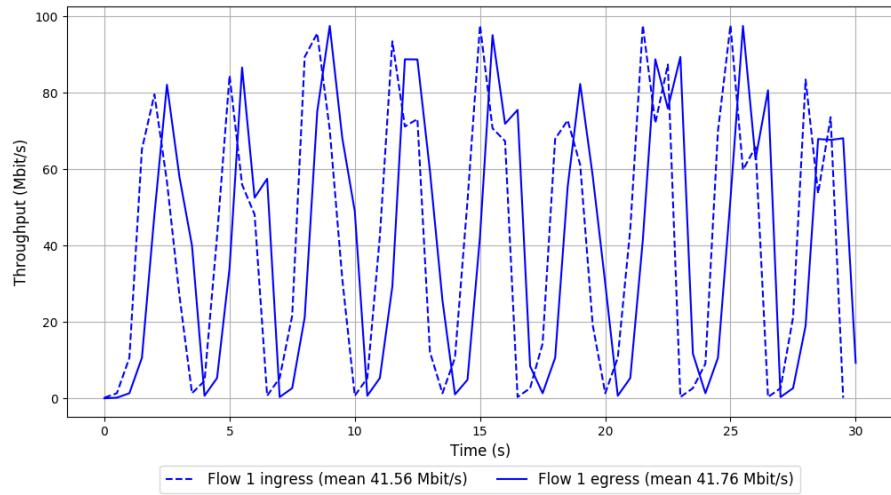


Run 8: Statistics of Verus

```
Start at: 2018-06-05 21:57:25
End at: 2018-06-05 21:57:55
Local clock offset: -7.493 ms
Remote clock offset: 13.496 ms

# Below is generated by plot.py at 2018-06-05 22:55:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 91.016 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 91.016 ms
Loss rate: 0.09%
```

Run 8: Report of Verus — Data Link

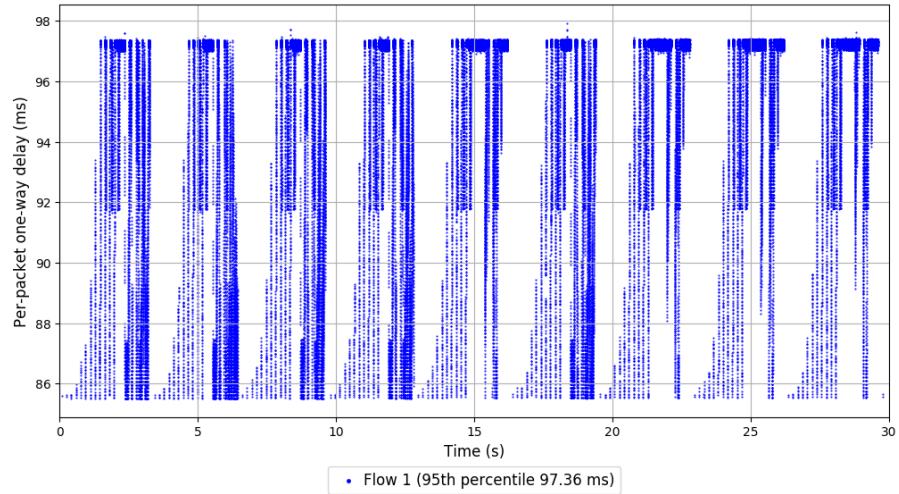
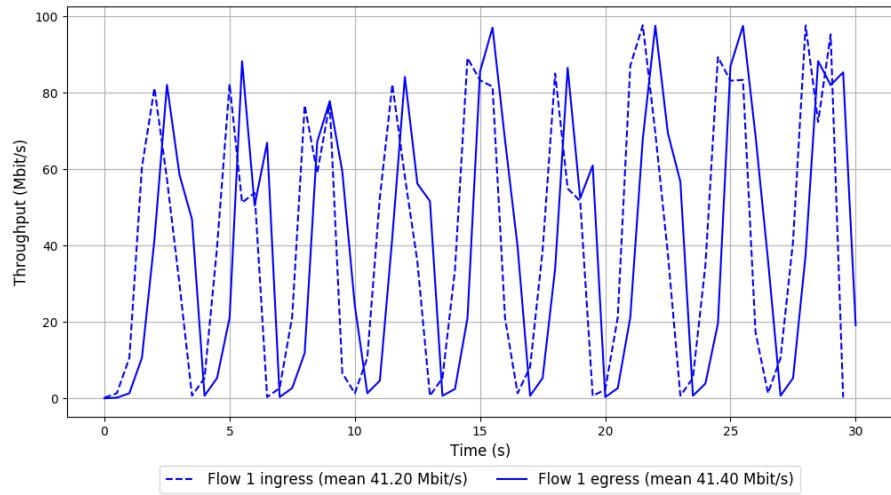


Run 9: Statistics of Verus

```
Start at: 2018-06-05 22:16:02
End at: 2018-06-05 22:16:32
Local clock offset: -6.653 ms
Remote clock offset: 11.622 ms

# Below is generated by plot.py at 2018-06-05 22:55:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 97.355 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 97.355 ms
Loss rate: 0.10%
```

Run 9: Report of Verus — Data Link

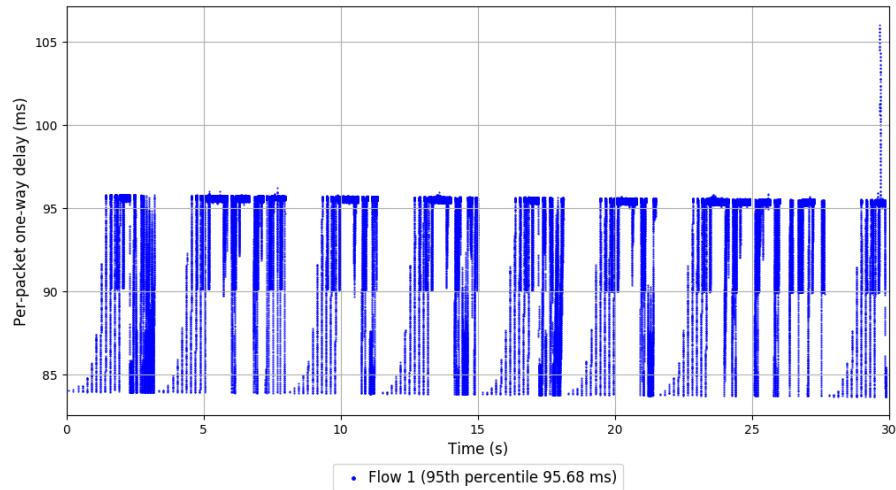
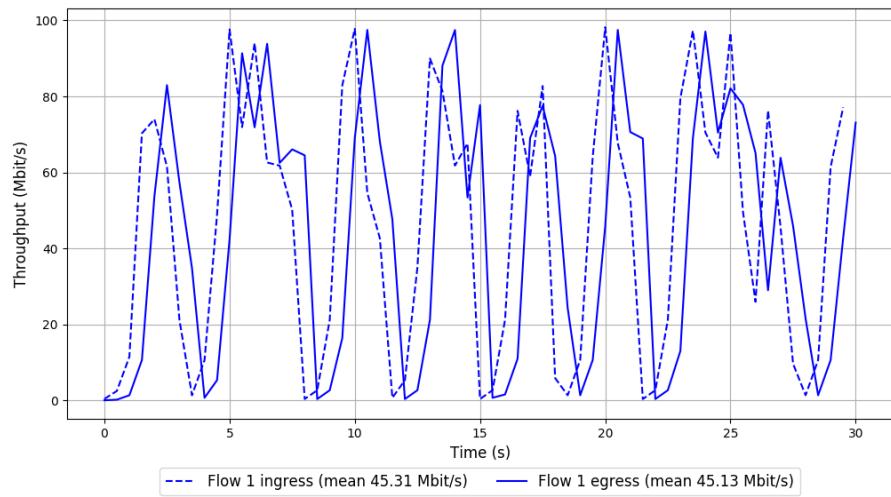


Run 10: Statistics of Verus

```
Start at: 2018-06-05 22:34:42
End at: 2018-06-05 22:35:12
Local clock offset: -6.133 ms
Remote clock offset: 5.719 ms

# Below is generated by plot.py at 2018-06-05 22:55:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.13 Mbit/s
95th percentile per-packet one-way delay: 95.676 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 45.13 Mbit/s
95th percentile per-packet one-way delay: 95.676 ms
Loss rate: 0.96%
```

Run 10: Report of Verus — Data Link

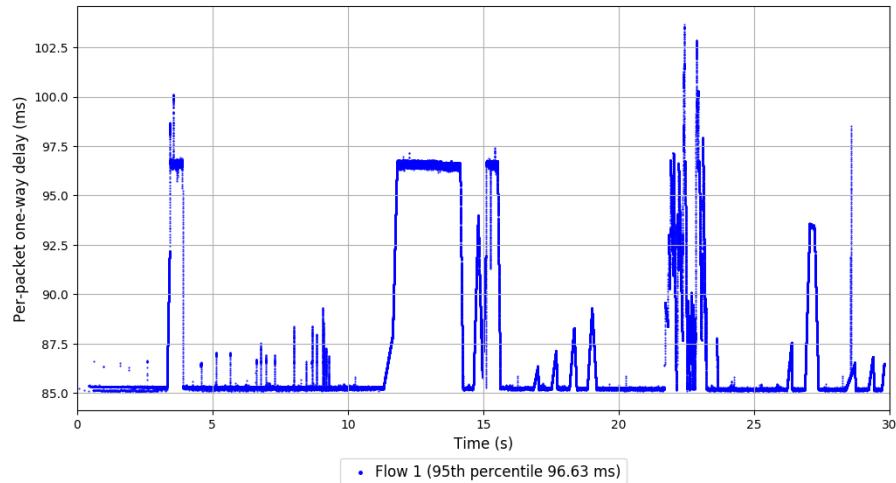
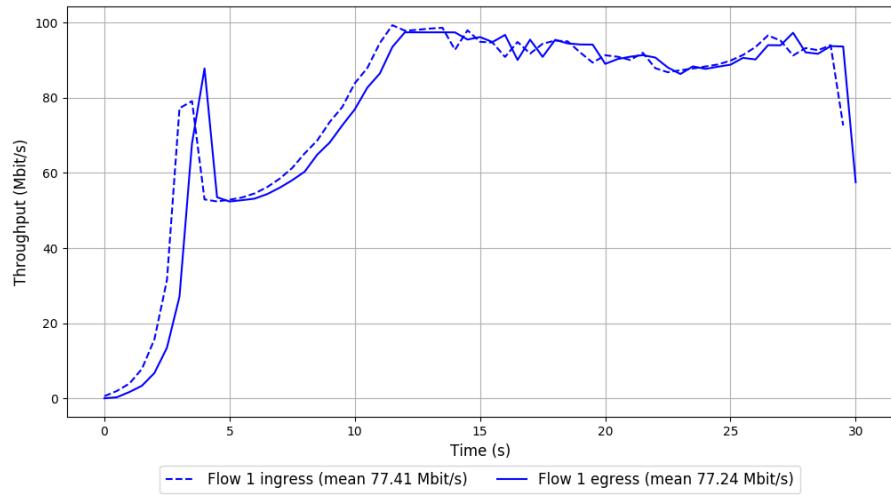


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-06-05 19:32:48
End at: 2018-06-05 19:33:18
Local clock offset: -0.971 ms
Remote clock offset: 11.427 ms

# Below is generated by plot.py at 2018-06-05 22:56:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 96.626 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 96.626 ms
Loss rate: 0.76%
```

Run 1: Report of PCC-Vivace — Data Link

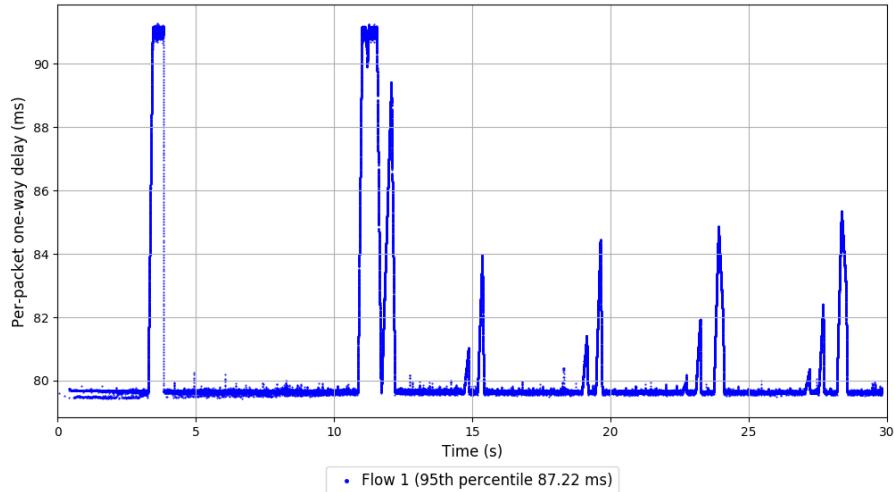
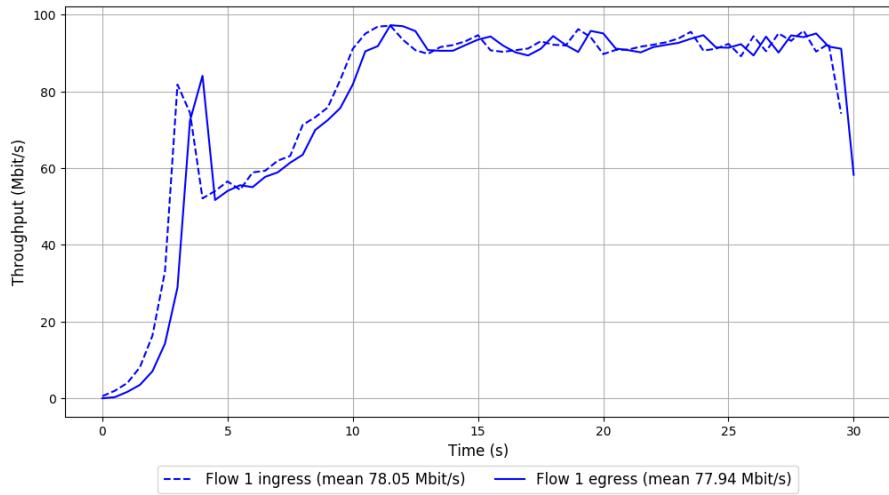


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-05 19:51:26
End at: 2018-06-05 19:51:56
Local clock offset: -1.697 ms
Remote clock offset: 14.875 ms

# Below is generated by plot.py at 2018-06-05 22:56:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 87.222 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 87.222 ms
Loss rate: 0.68%
```

Run 2: Report of PCC-Vivace — Data Link

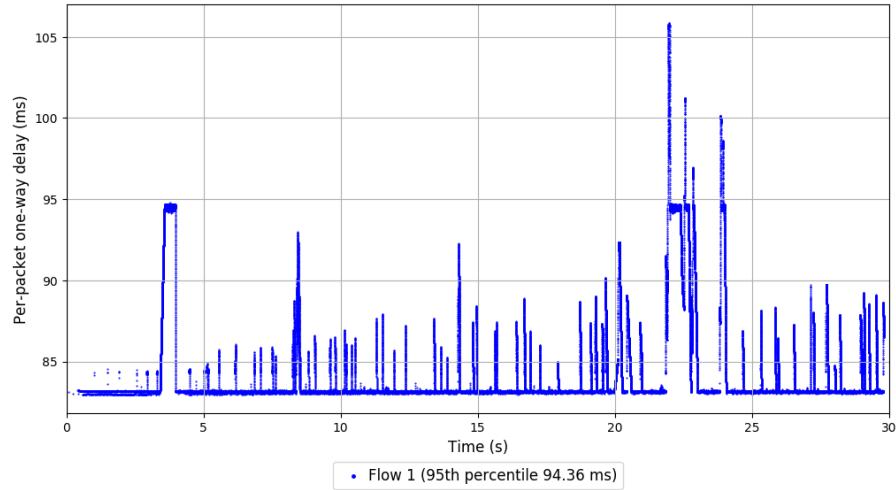
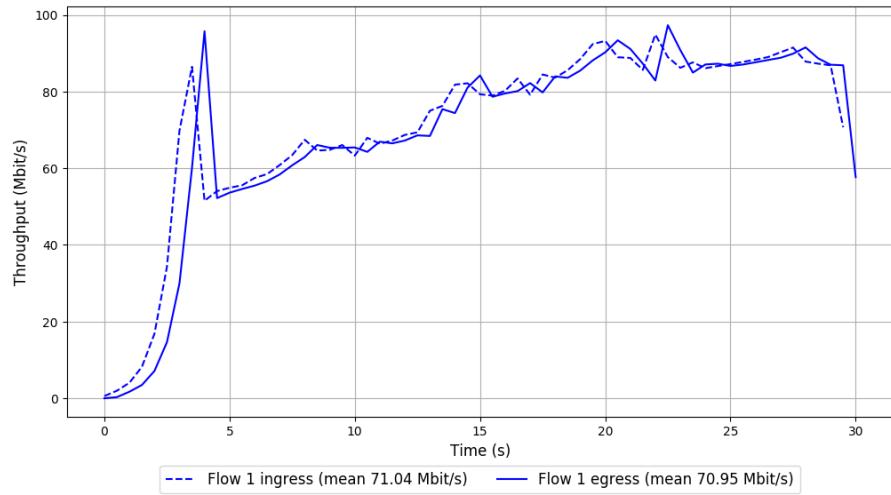


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-05 20:10:03
End at: 2018-06-05 20:10:33
Local clock offset: -1.289 ms
Remote clock offset: 8.779 ms

# Below is generated by plot.py at 2018-06-05 22:56:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 94.360 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 94.360 ms
Loss rate: 0.66%
```

Run 3: Report of PCC-Vivace — Data Link

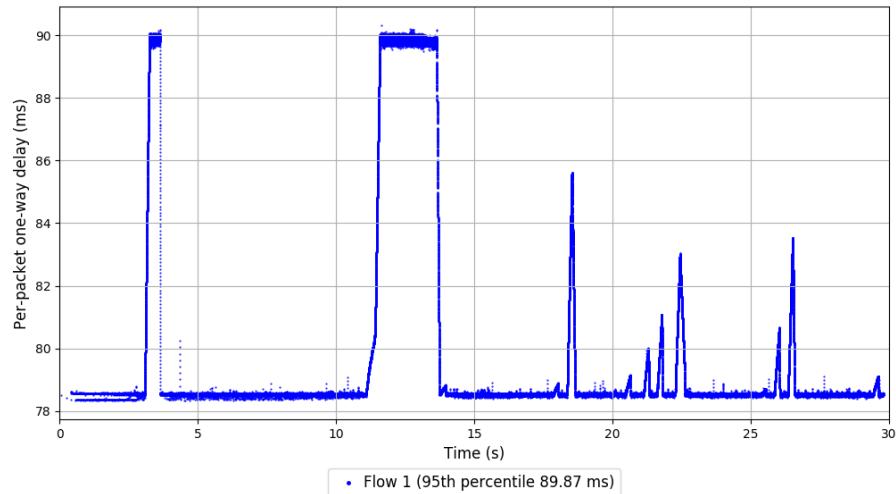
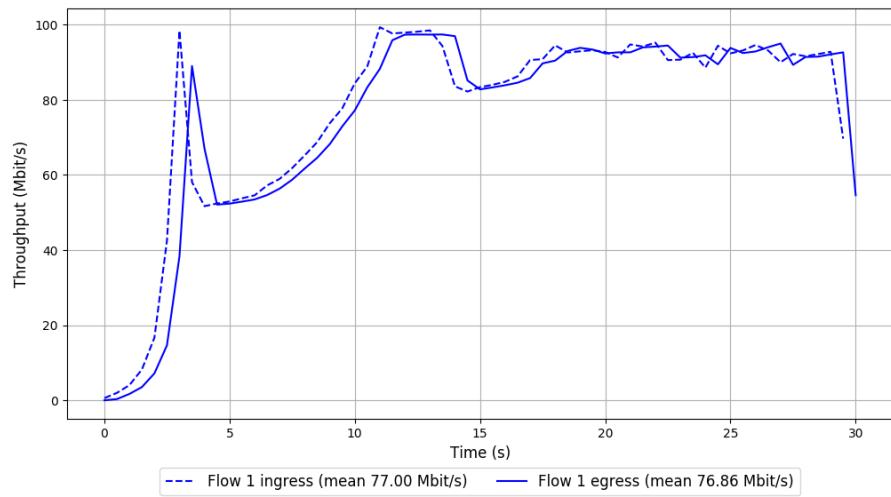


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-05 20:28:42
End at: 2018-06-05 20:29:12
Local clock offset: -1.766 ms
Remote clock offset: 13.081 ms

# Below is generated by plot.py at 2018-06-05 22:56:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.86 Mbit/s
95th percentile per-packet one-way delay: 89.866 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 76.86 Mbit/s
95th percentile per-packet one-way delay: 89.866 ms
Loss rate: 0.73%
```

Run 4: Report of PCC-Vivace — Data Link

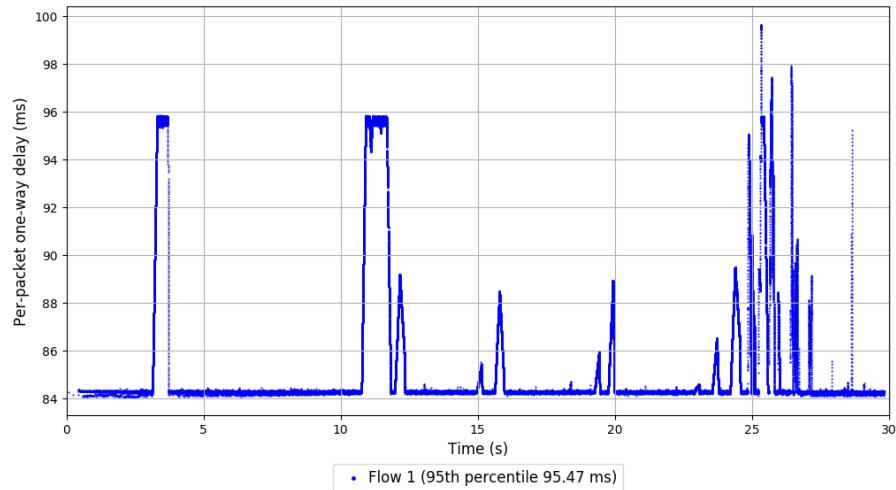
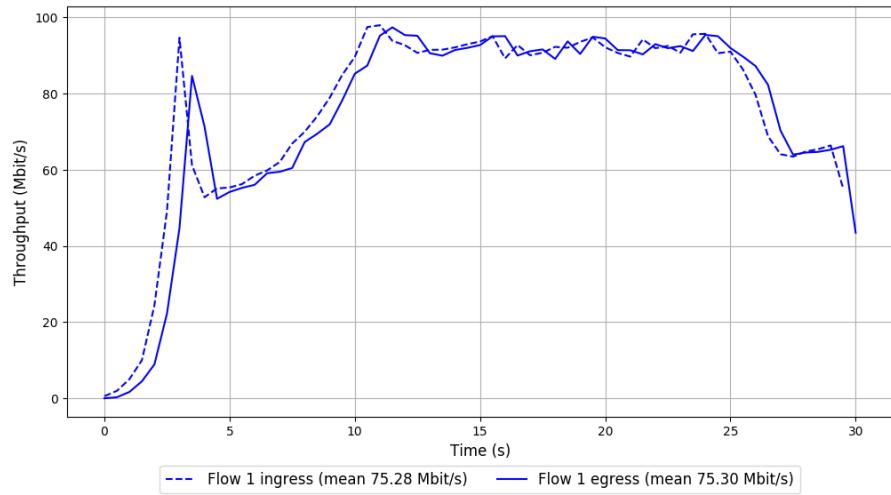


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-05 20:47:27
End at: 2018-06-05 20:47:57
Local clock offset: -7.618 ms
Remote clock offset: 3.725 ms

# Below is generated by plot.py at 2018-06-05 22:56:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 95.472 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 95.472 ms
Loss rate: 0.52%
```

Run 5: Report of PCC-Vivace — Data Link

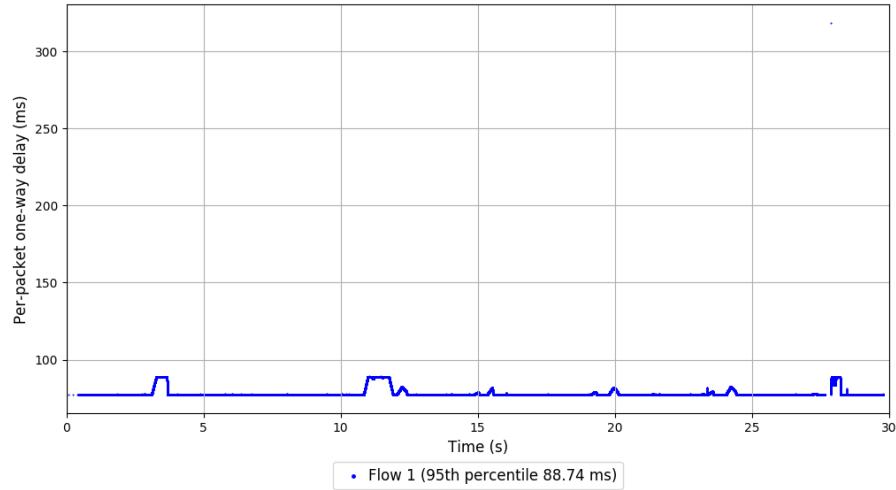
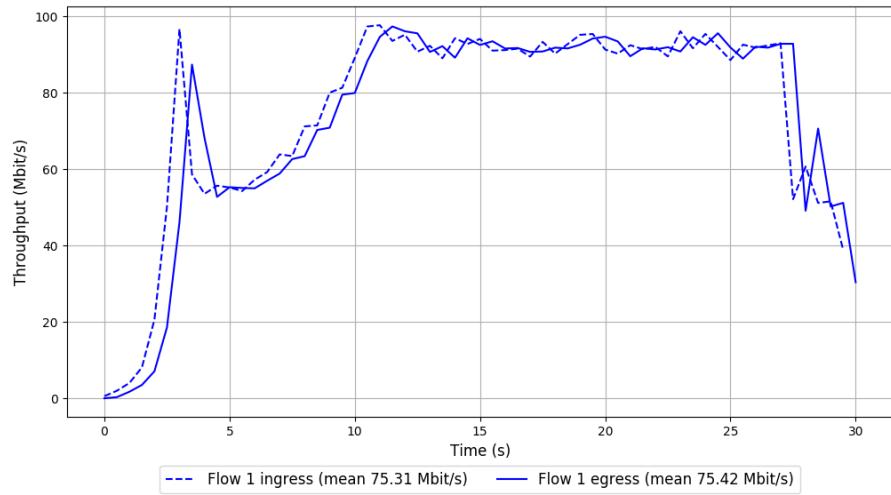


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-05 21:06:04
End at: 2018-06-05 21:06:34
Local clock offset: -8.1 ms
Remote clock offset: 7.376 ms

# Below is generated by plot.py at 2018-06-05 22:56:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.42 Mbit/s
95th percentile per-packet one-way delay: 88.738 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 75.42 Mbit/s
95th percentile per-packet one-way delay: 88.738 ms
Loss rate: 0.40%
```

Run 6: Report of PCC-Vivace — Data Link

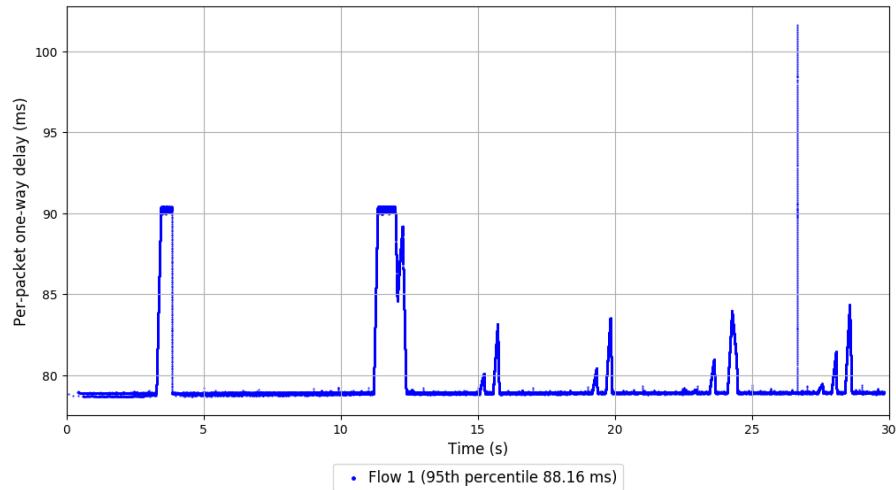
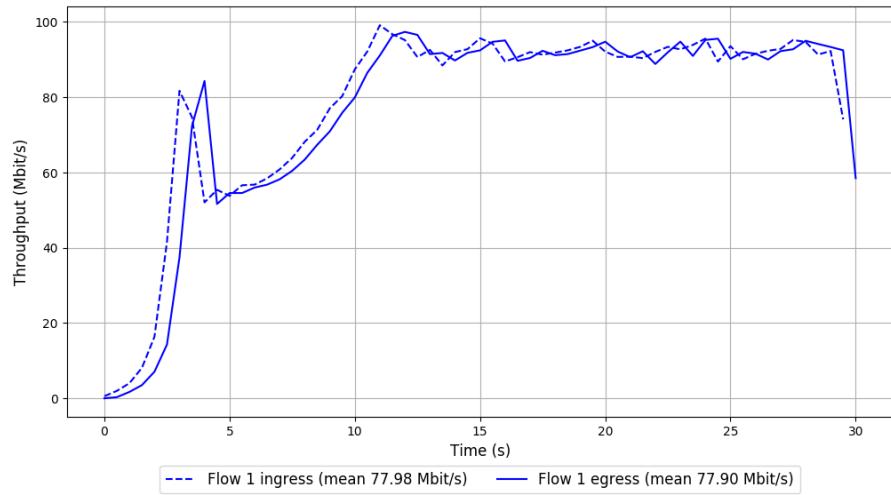


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-05 21:24:43
End at: 2018-06-05 21:25:13
Local clock offset: -9.572 ms
Remote clock offset: 10.303 ms

# Below is generated by plot.py at 2018-06-05 22:56:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 88.156 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 88.156 ms
Loss rate: 0.65%
```

Run 7: Report of PCC-Vivace — Data Link

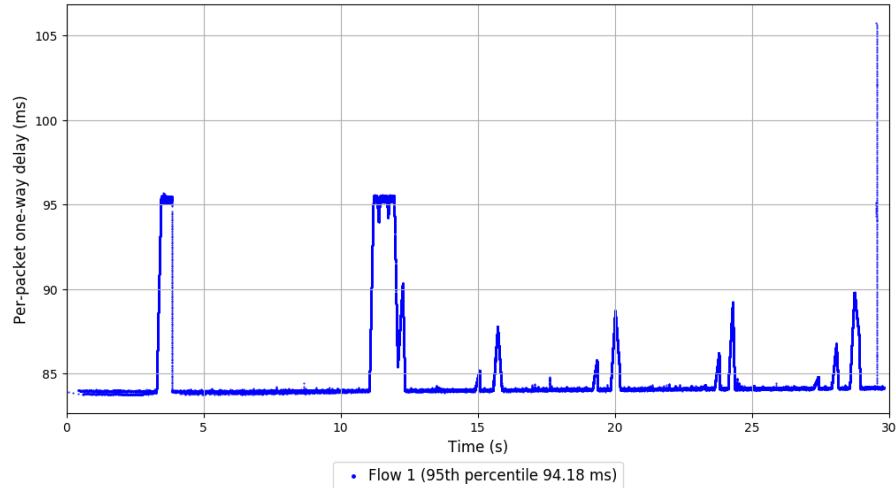
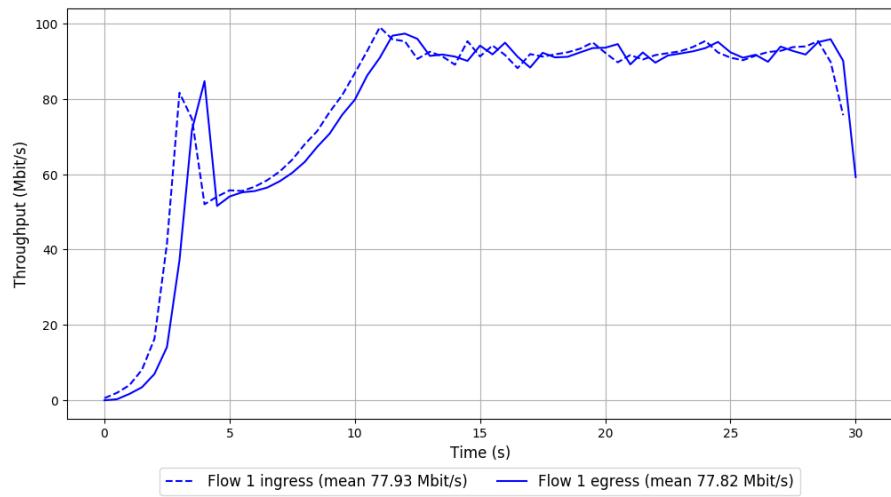


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-05 21:43:22
End at: 2018-06-05 21:43:52
Local clock offset: -7.878 ms
Remote clock offset: 4.672 ms

# Below is generated by plot.py at 2018-06-05 22:56:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 94.179 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 94.179 ms
Loss rate: 0.69%
```

Run 8: Report of PCC-Vivace — Data Link

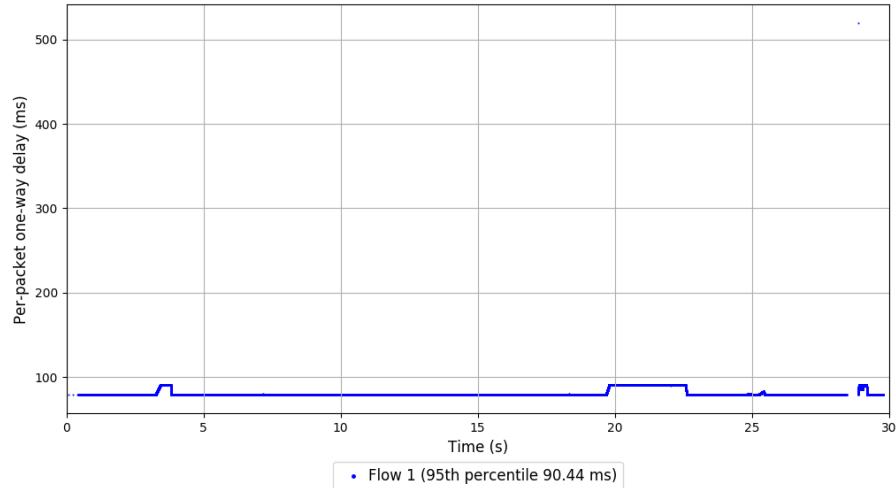
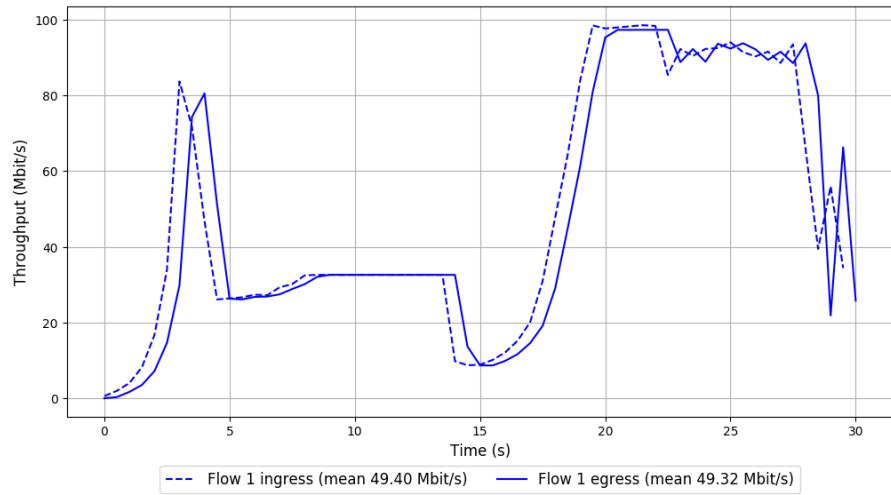


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-05 22:02:02
End at: 2018-06-05 22:02:32
Local clock offset: -7.52 ms
Remote clock offset: 15.281 ms

# Below is generated by plot.py at 2018-06-05 22:56:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 90.442 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 90.442 ms
Loss rate: 0.71%
```

Run 9: Report of PCC-Vivace — Data Link

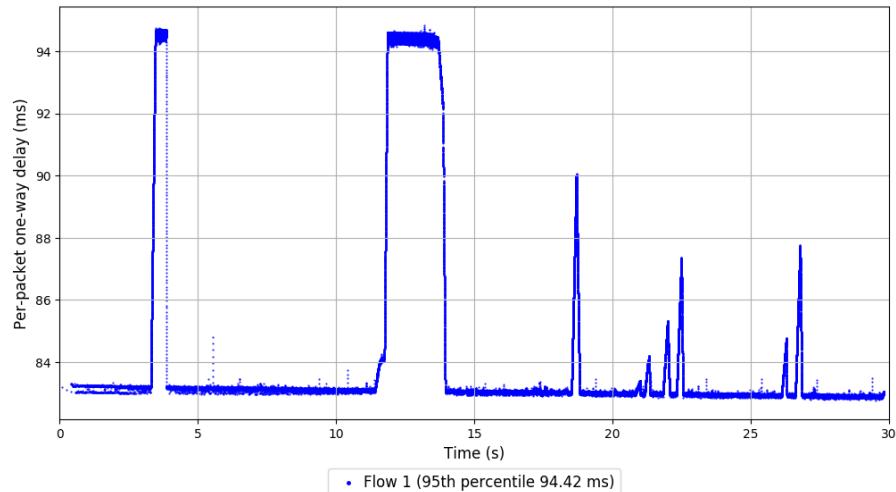
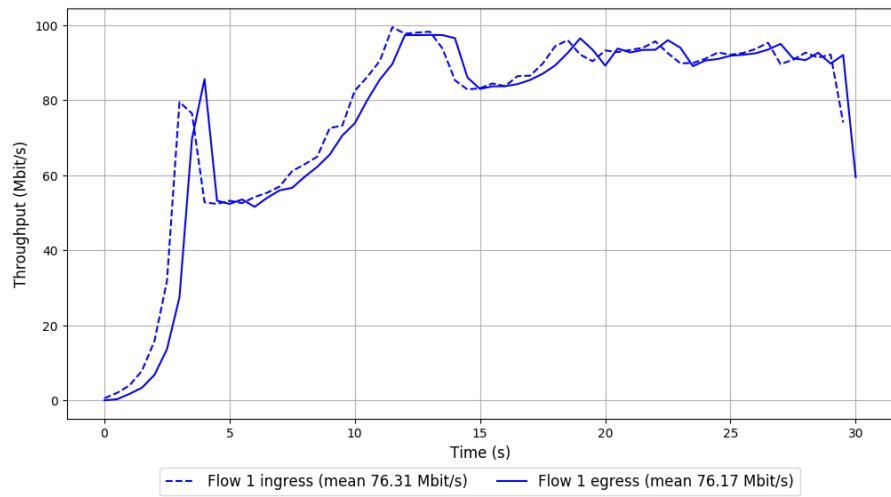


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-05 22:20:38
End at: 2018-06-05 22:21:08
Local clock offset: -7.298 ms
Remote clock offset: 9.501 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 94.417 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 94.417 ms
Loss rate: 0.73%
```

Run 10: Report of PCC-Vivace — Data Link

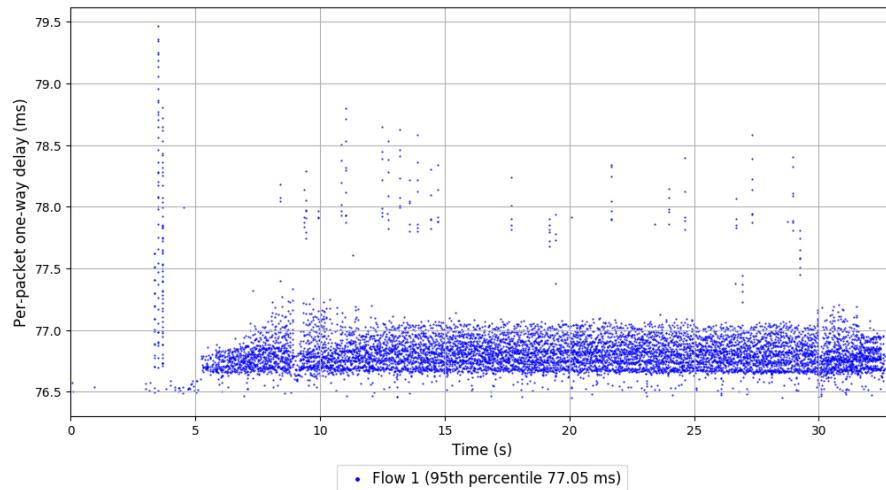
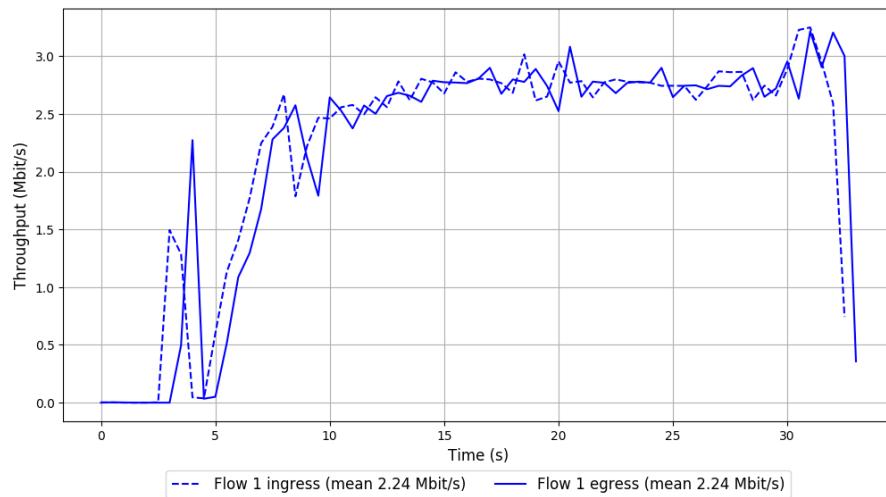


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 19:44:32
End at: 2018-06-05 19:45:02
Local clock offset: -1.71 ms
Remote clock offset: 16.159 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 77.051 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 77.051 ms
Loss rate: 0.34%
```

Run 1: Report of WebRTC media — Data Link

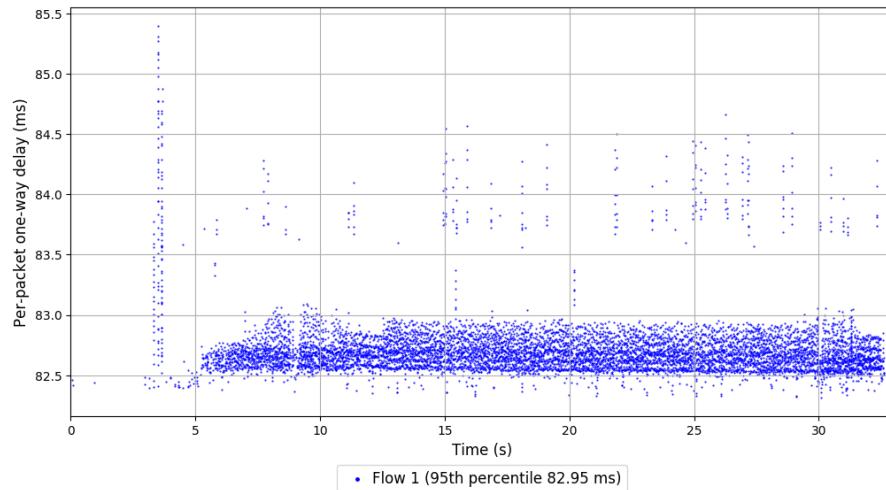
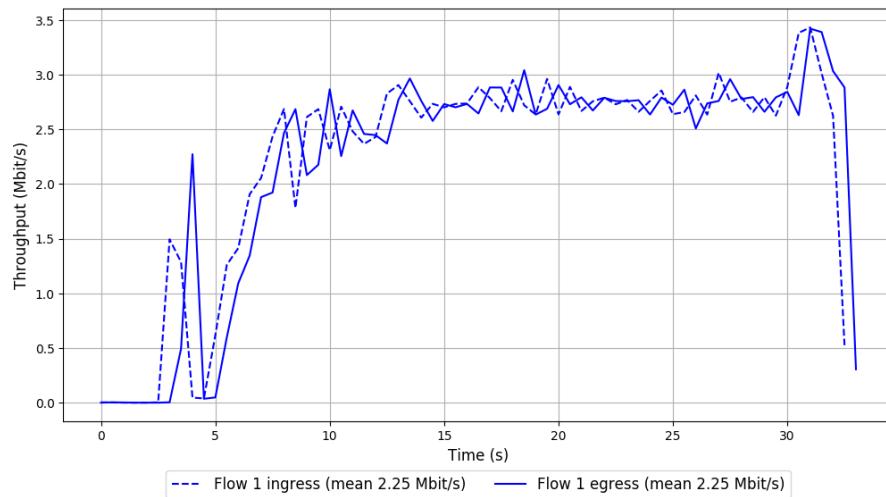


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-05 20:03:10
End at: 2018-06-05 20:03:40
Local clock offset: -1.673 ms
Remote clock offset: 9.38 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 82.948 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 82.948 ms
Loss rate: 0.31%
```

Run 2: Report of WebRTC media — Data Link

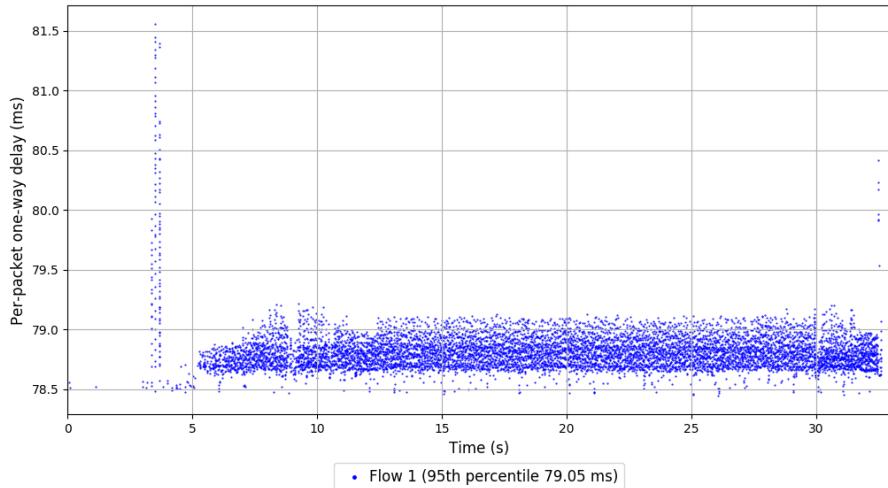
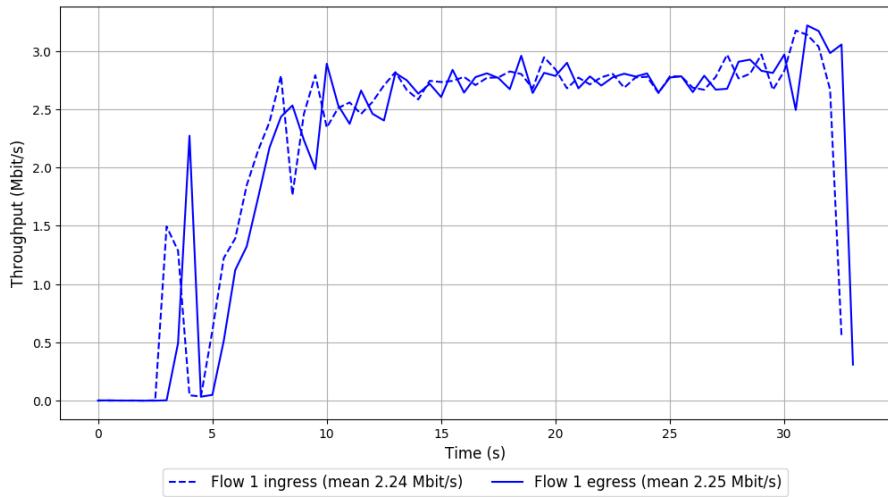


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-05 20:21:49
End at: 2018-06-05 20:22:19
Local clock offset: -2.471 ms
Remote clock offset: 12.149 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 79.045 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 79.045 ms
Loss rate: 0.25%
```

Run 3: Report of WebRTC media — Data Link

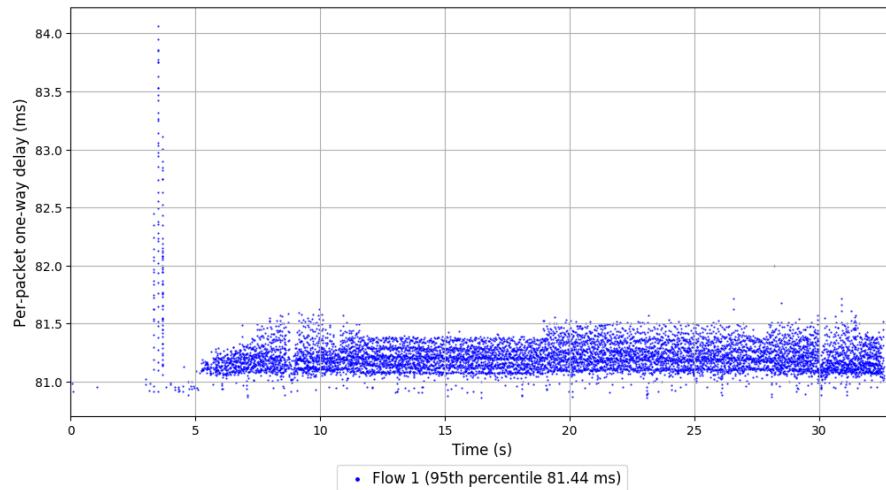
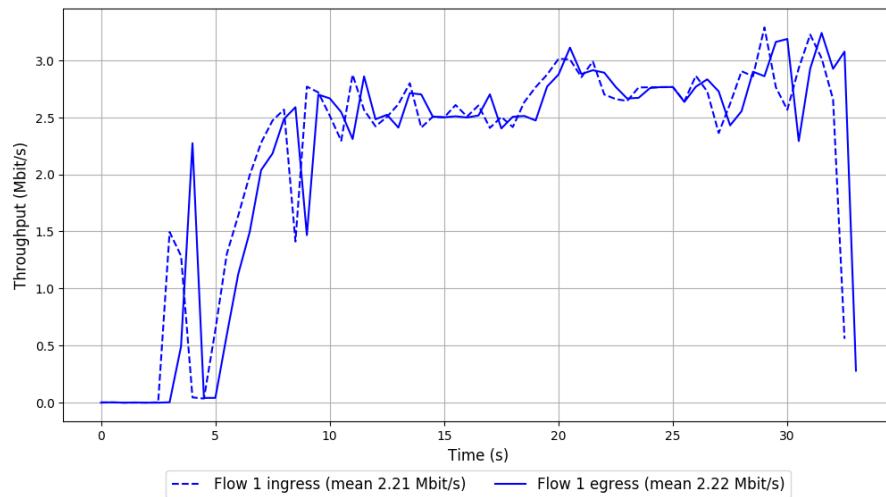


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-05 20:40:33
End at: 2018-06-05 20:41:03
Local clock offset: -6.126 ms
Remote clock offset: 6.58 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 81.435 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 81.435 ms
Loss rate: 0.26%
```

Run 4: Report of WebRTC media — Data Link

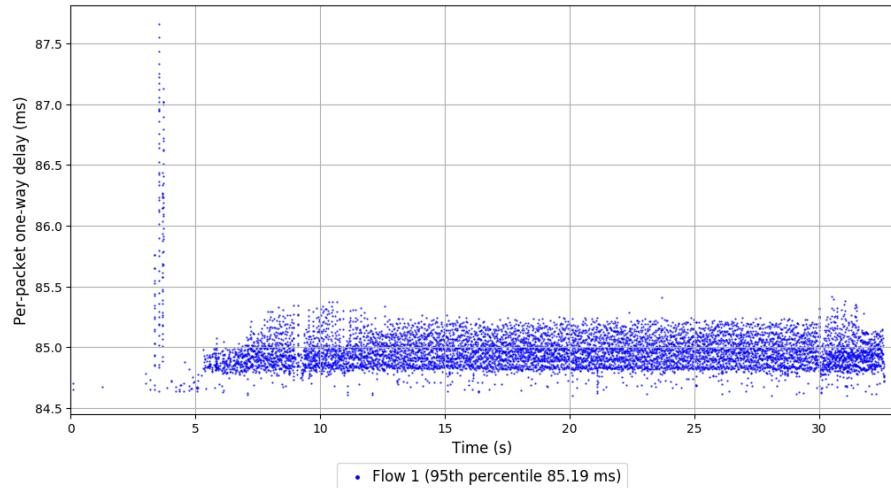
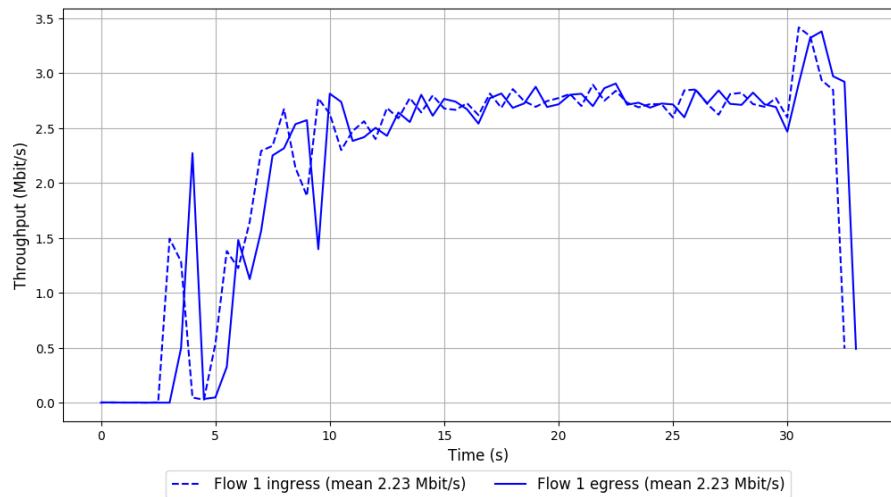


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-05 20:59:11
End at: 2018-06-05 20:59:41
Local clock offset: -8.378 ms
Remote clock offset: 2.089 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 85.191 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 85.191 ms
Loss rate: 0.29%
```

Run 5: Report of WebRTC media — Data Link

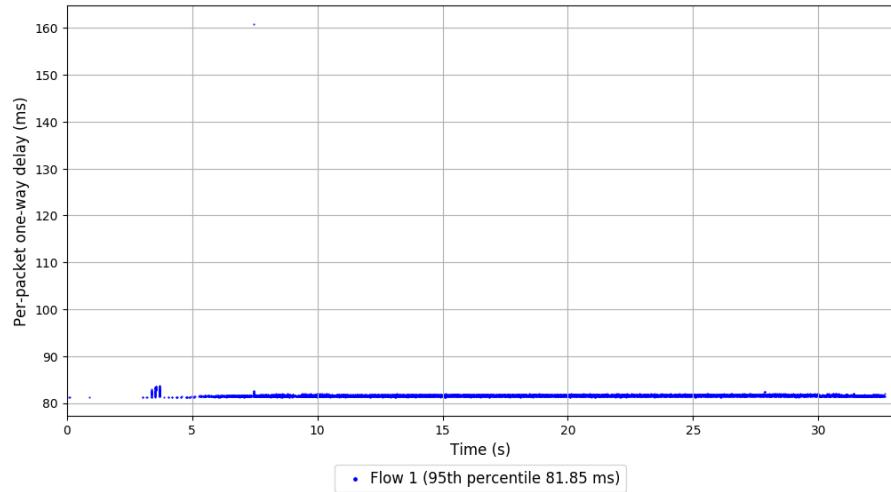
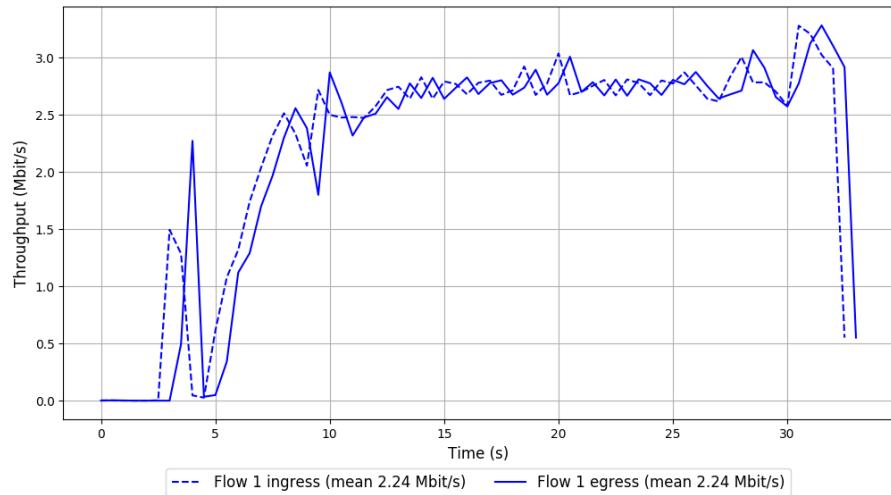


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-05 21:17:49
End at: 2018-06-05 21:18:19
Local clock offset: -9.279 ms
Remote clock offset: 4.401 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 81.854 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 81.854 ms
Loss rate: 0.27%
```

Run 6: Report of WebRTC media — Data Link

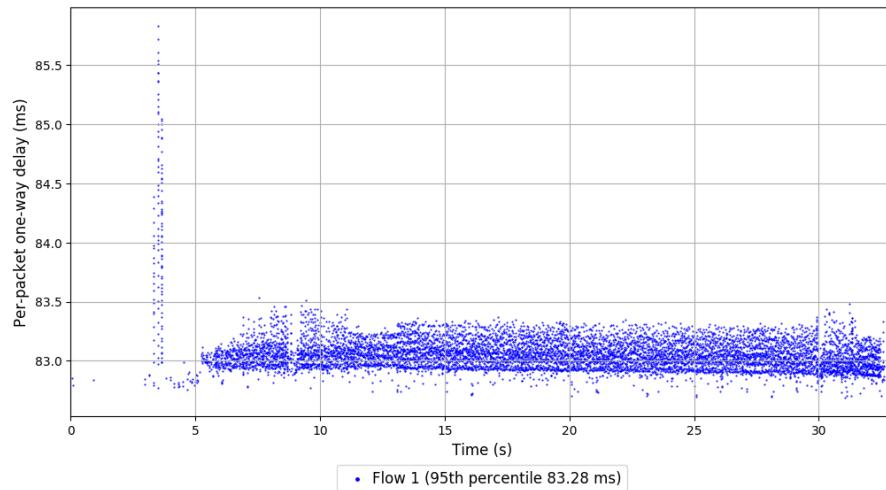
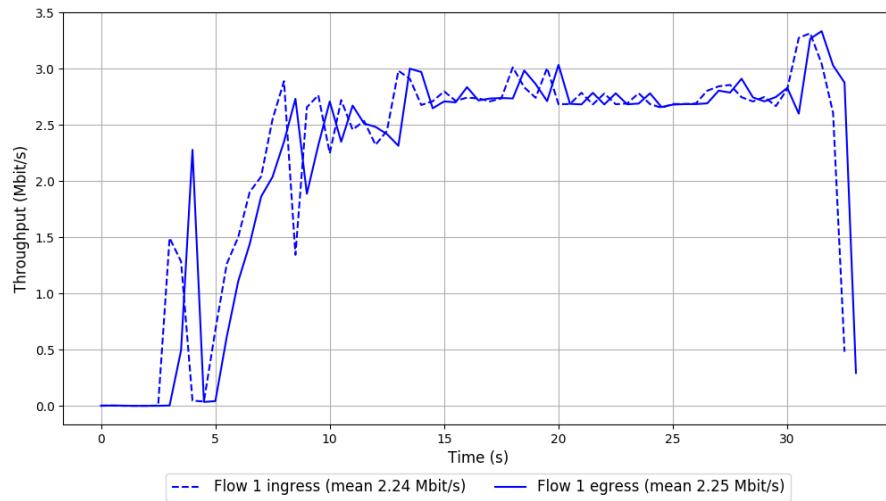


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-05 21:36:28
End at: 2018-06-05 21:36:58
Local clock offset: -9.546 ms
Remote clock offset: 4.623 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 83.278 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 83.278 ms
Loss rate: 0.29%
```

Run 7: Report of WebRTC media — Data Link

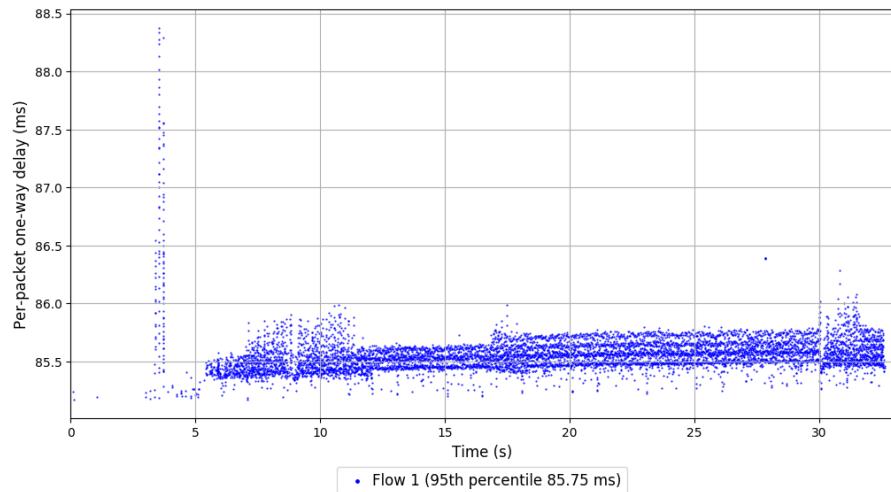
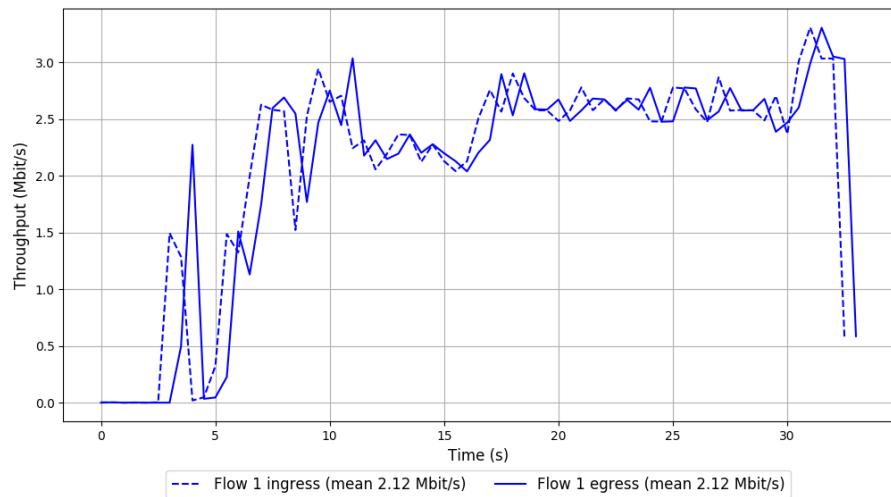


```
Run 8: Statistics of WebRTC media

Start at: 2018-06-05 21:55:08
End at: 2018-06-05 21:55:38
Local clock offset: -8.26 ms
Remote clock offset: 8.992 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 85.754 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 85.754 ms
Loss rate: 0.35%
```

Run 8: Report of WebRTC media — Data Link

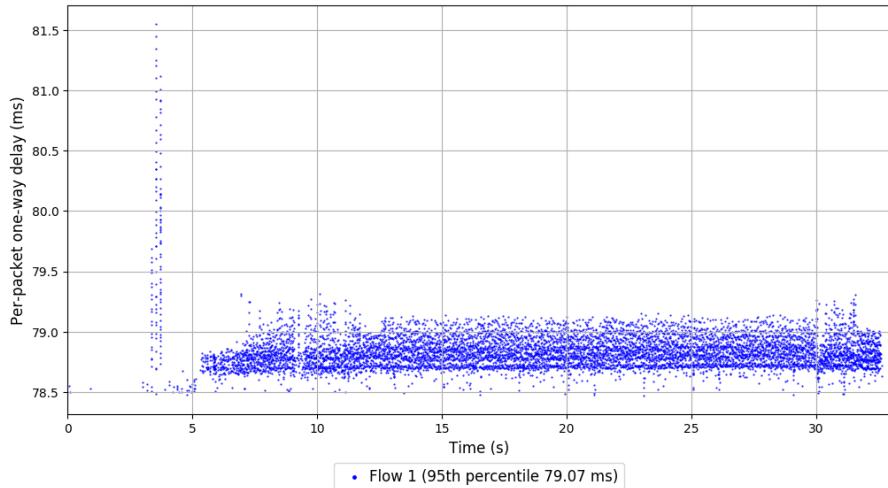
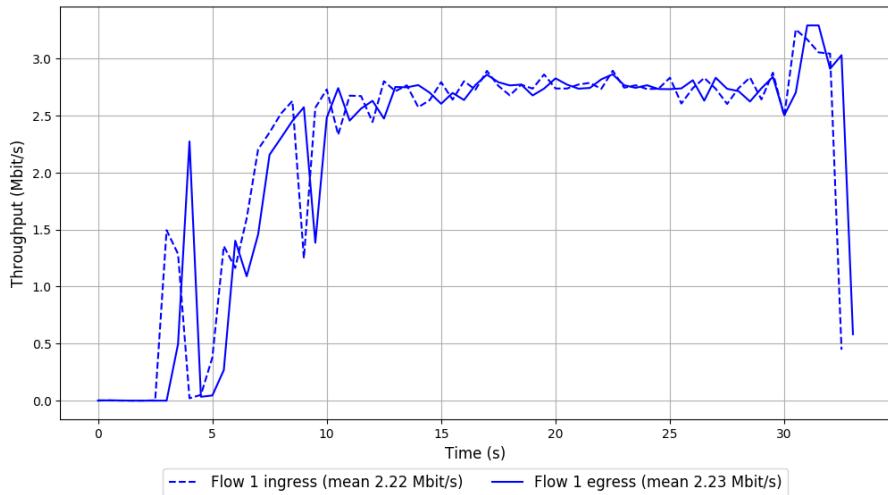


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-05 22:13:45
End at: 2018-06-05 22:14:15
Local clock offset: -7.566 ms
Remote clock offset: 15.446 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 79.070 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 79.070 ms
Loss rate: 0.26%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-06-05 22:32:25
End at: 2018-06-05 22:32:55
Local clock offset: -7.224 ms
Remote clock offset: 6.147 ms

# Below is generated by plot.py at 2018-06-05 22:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 82.115 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 82.115 ms
Loss rate: 0.29%
```

Run 10: Report of WebRTC media — Data Link

