

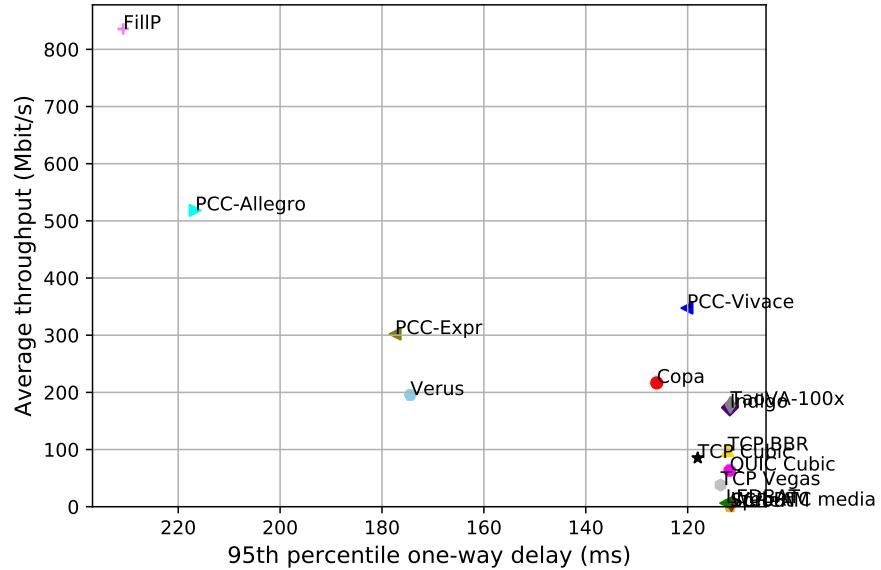
Pantheon Report

Generated at 2018-06-30 04:13:56 (UTC).
Data path: GCE London Ethernet (*remote*) → GCE Tokyo Ethernet (*local*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

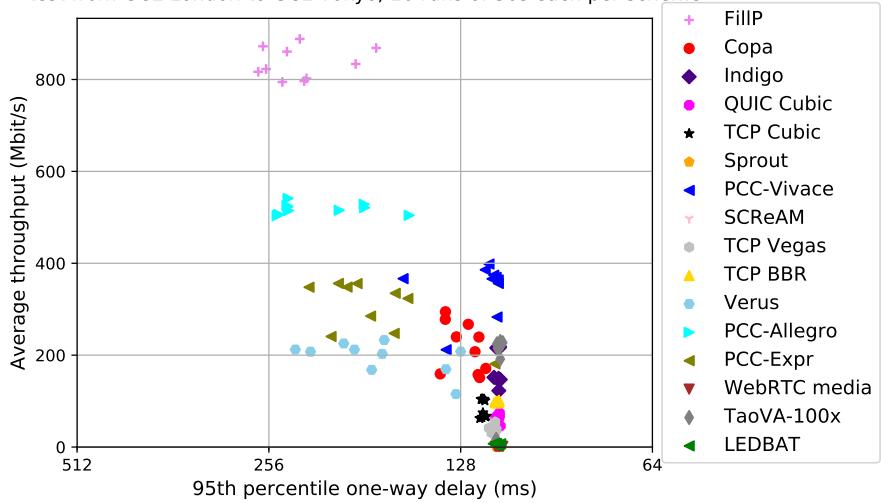
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
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 @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



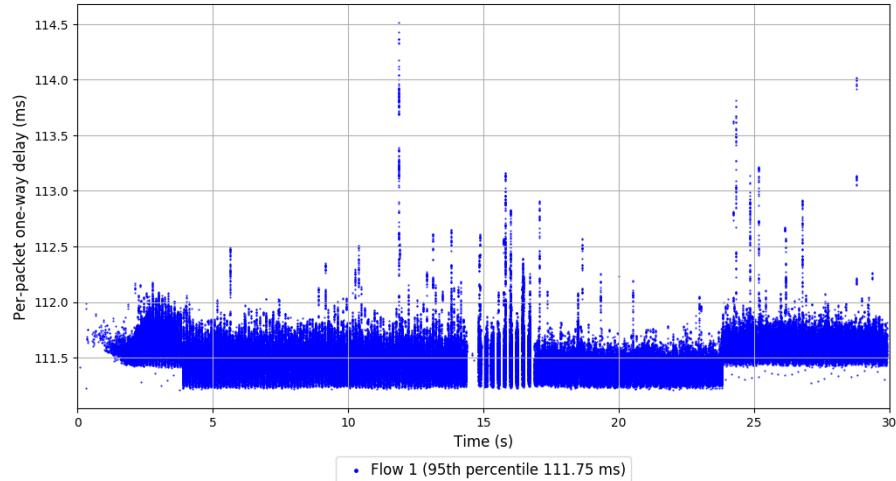
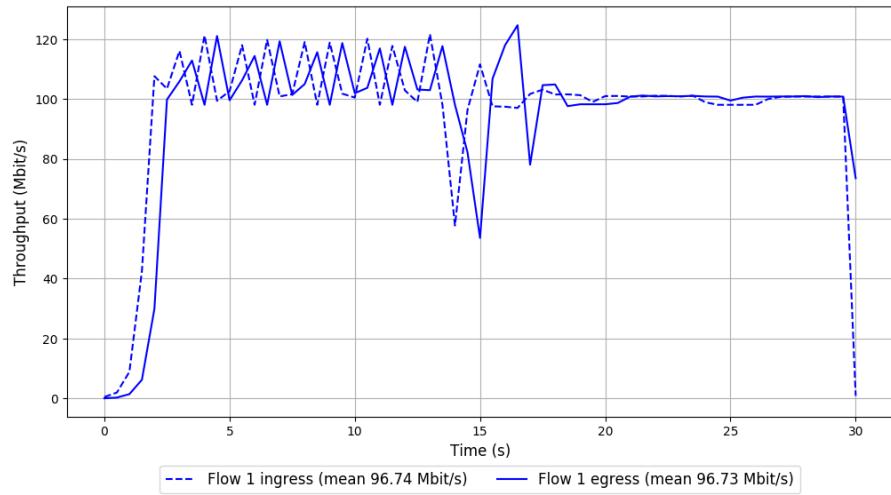
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	98.40	112.14	0.76
Copa	10	216.57	126.07	0.94
TCP Cubic	10	85.27	118.03	0.90
FillP	10	835.68	230.80	2.33
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	173.38	111.73	0.79
LEDBAT	10	6.38	112.53	1.62
PCC-Allegro	10	518.31	216.66	2.27
PCC-Expr	10	302.00	177.44	1.47
QUIC Cubic	7	63.33	111.77	0.98
SCReAM	10	0.21	111.54	0.77
Sprout	10	0.20	111.65	0.72
TaoVA-100x	10	177.96	111.62	0.78
TCP Vegas	10	37.87	113.55	0.78
Verus	10	195.38	174.44	1.10
PCC-Vivace	10	347.47	120.15	1.15
WebRTC media	10	1.85	111.43	0.87

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-29 23:23:15
End at: 2018-06-29 23:23:45
Local clock offset: 0.15 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-06-30 02:57:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 111.755 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 111.755 ms
Loss rate: 0.75%
```

Run 1: Report of TCP BBR — Data Link

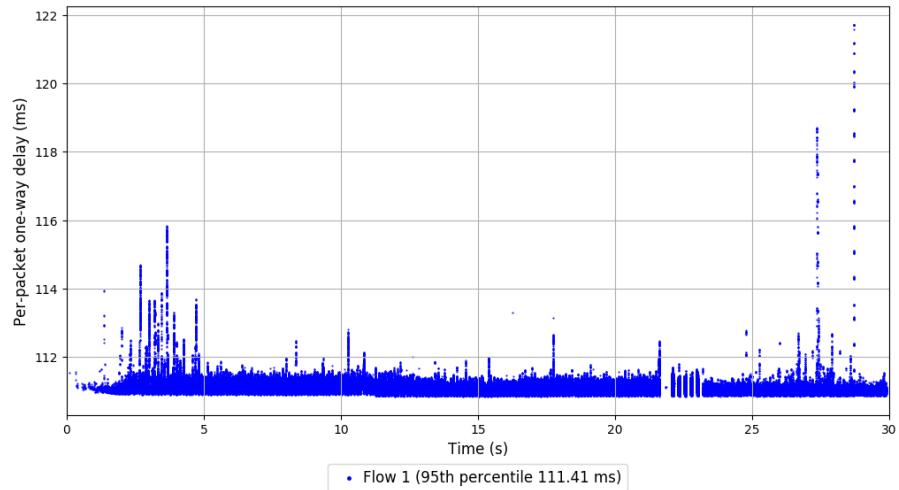
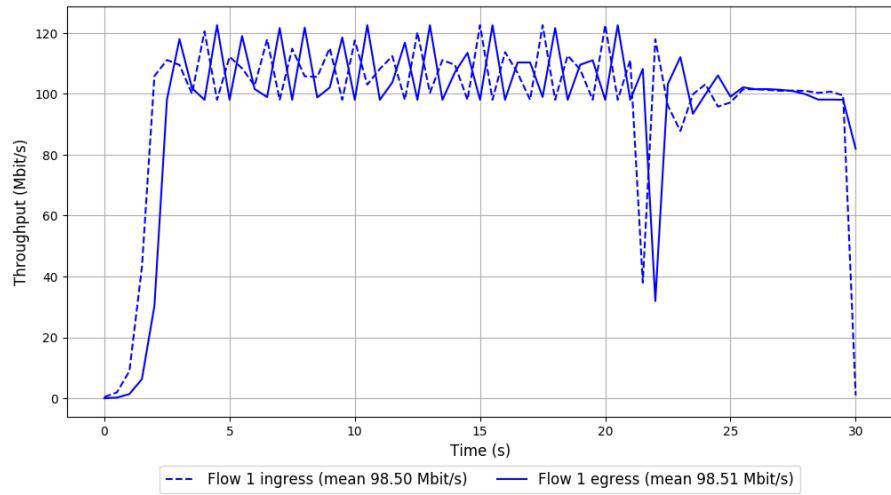


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-29 23:45:48
End at: 2018-06-29 23:46:18
Local clock offset: 0.25 ms
Remote clock offset: 0.426 ms

# Below is generated by plot.py at 2018-06-30 02:57:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.51 Mbit/s
95th percentile per-packet one-way delay: 111.409 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 98.51 Mbit/s
95th percentile per-packet one-way delay: 111.409 ms
Loss rate: 0.73%
```

Run 2: Report of TCP BBR — Data Link

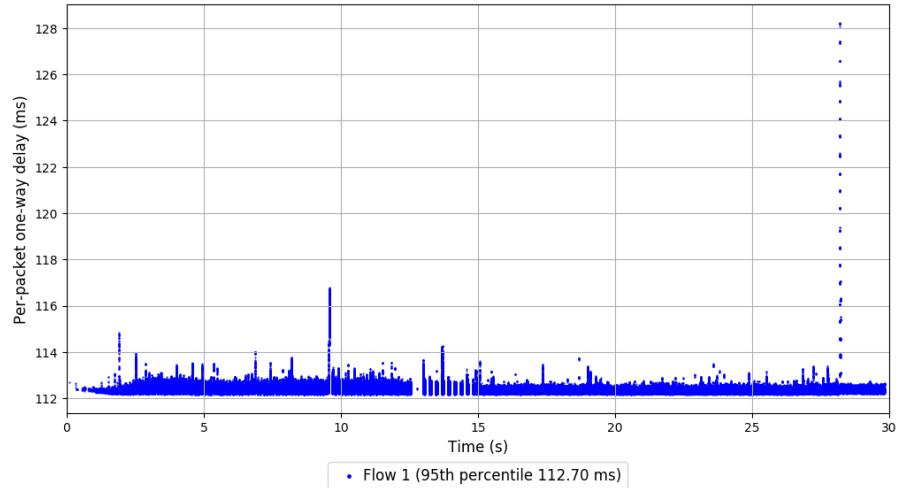
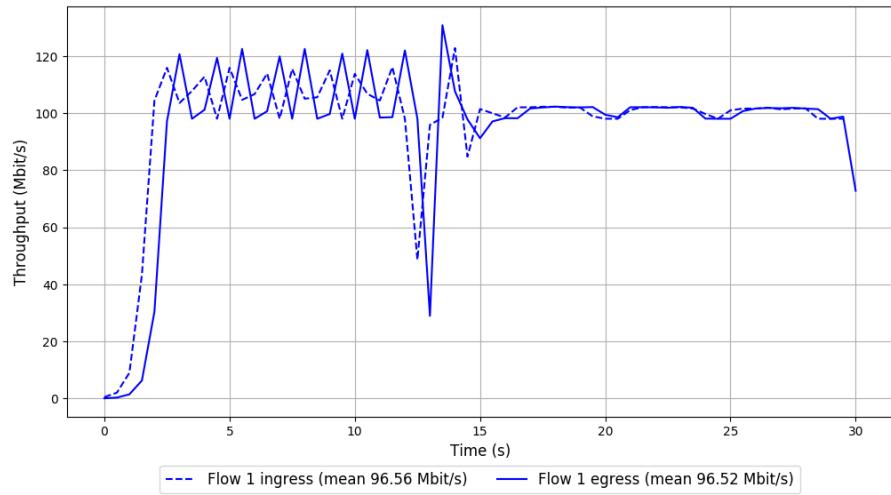


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-30 00:07:51
End at: 2018-06-30 00:08:21
Local clock offset: 1.273 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-06-30 02:57:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 112.697 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 112.697 ms
Loss rate: 0.85%
```

Run 3: Report of TCP BBR — Data Link

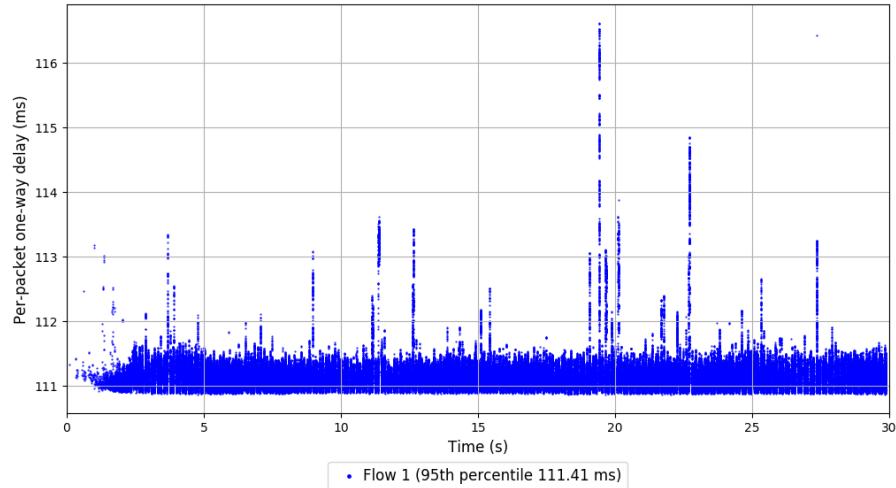
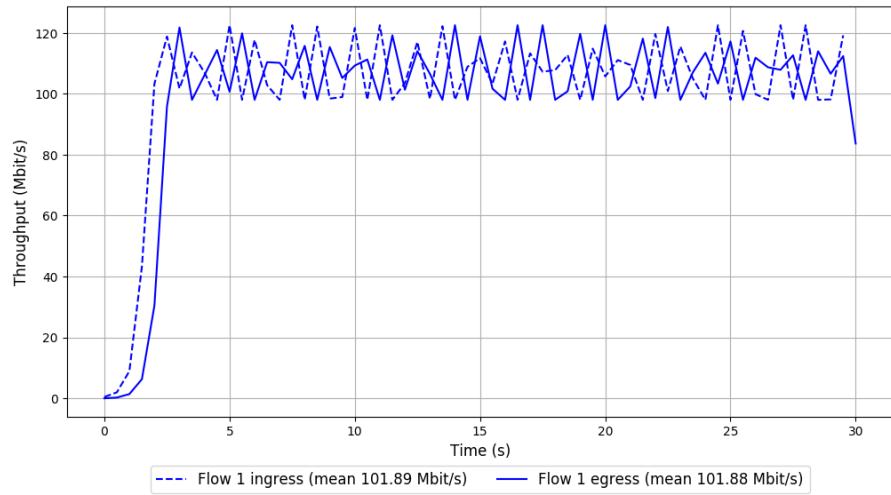


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-30 00:29:51
End at: 2018-06-30 00:30:21
Local clock offset: 0.027 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-06-30 02:57:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.88 Mbit/s
95th percentile per-packet one-way delay: 111.412 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 101.88 Mbit/s
95th percentile per-packet one-way delay: 111.412 ms
Loss rate: 0.75%
```

Run 4: Report of TCP BBR — Data Link

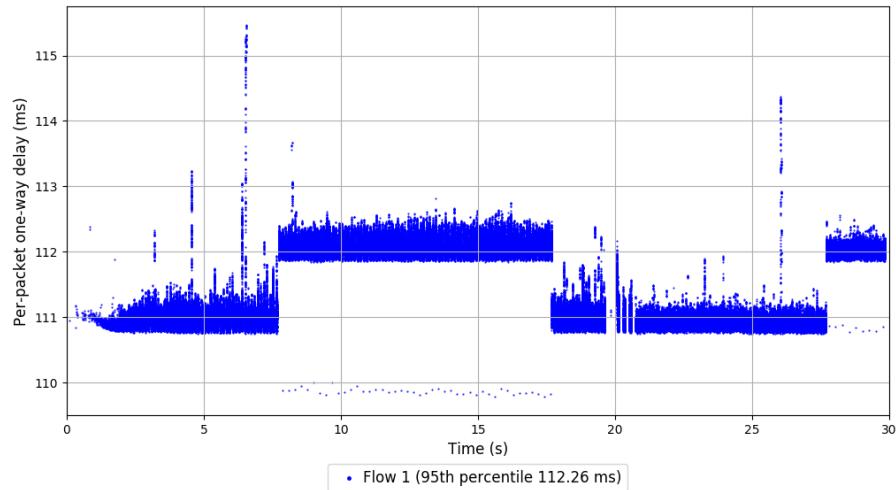
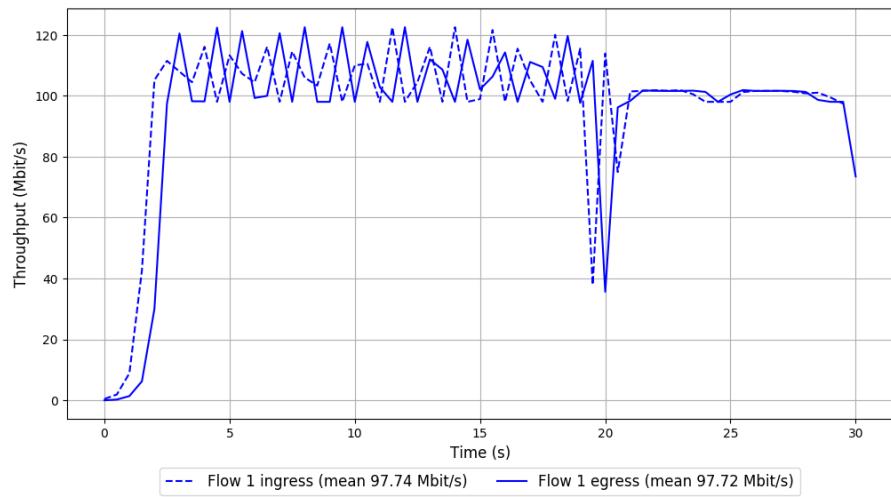


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-30 00:52:12
End at: 2018-06-30 00:52:42
Local clock offset: 0.137 ms
Remote clock offset: 0.463 ms

# Below is generated by plot.py at 2018-06-30 02:57:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.72 Mbit/s
95th percentile per-packet one-way delay: 112.256 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 97.72 Mbit/s
95th percentile per-packet one-way delay: 112.256 ms
Loss rate: 0.83%
```

Run 5: Report of TCP BBR — Data Link

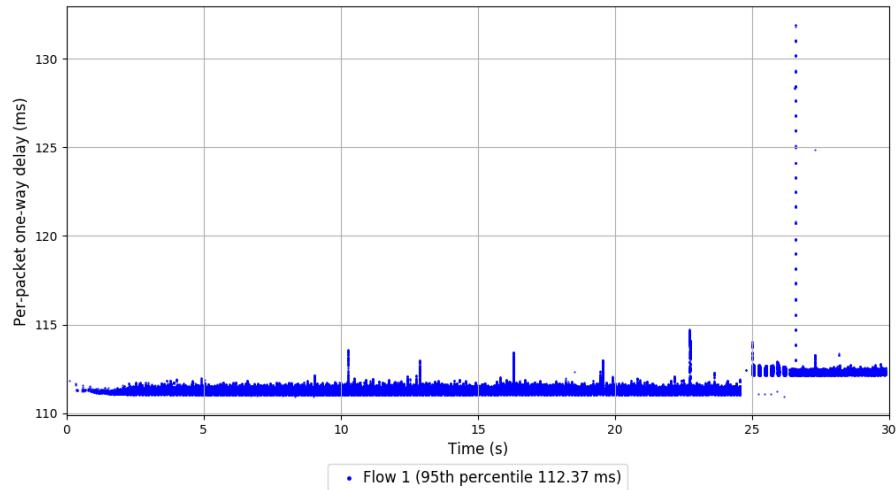
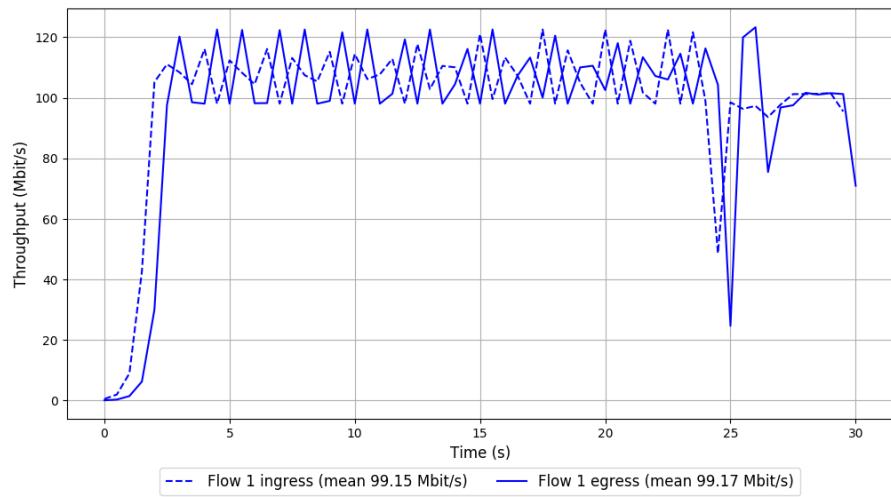


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-30 01:14:24
End at: 2018-06-30 01:14:54
Local clock offset: -0.001 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-06-30 02:57:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.17 Mbit/s
95th percentile per-packet one-way delay: 112.372 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 99.17 Mbit/s
95th percentile per-packet one-way delay: 112.372 ms
Loss rate: 0.73%
```

Run 6: Report of TCP BBR — Data Link

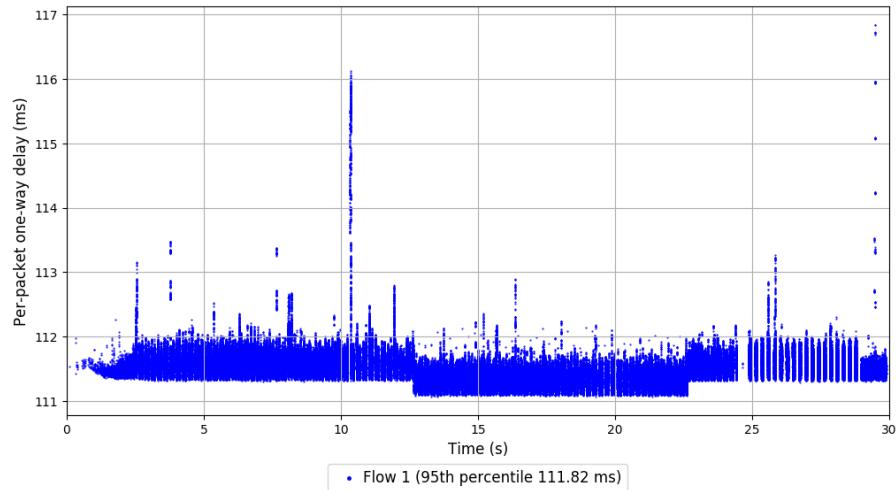
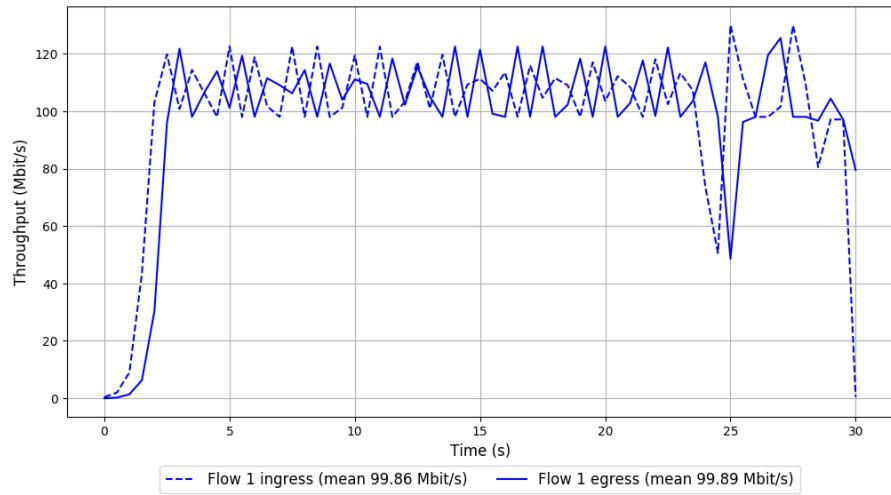


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-30 01:36:57
End at: 2018-06-30 01:37:27
Local clock offset: 0.279 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-06-30 02:57:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.89 Mbit/s
95th percentile per-packet one-way delay: 111.819 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 99.89 Mbit/s
95th percentile per-packet one-way delay: 111.819 ms
Loss rate: 0.71%
```

Run 7: Report of TCP BBR — Data Link

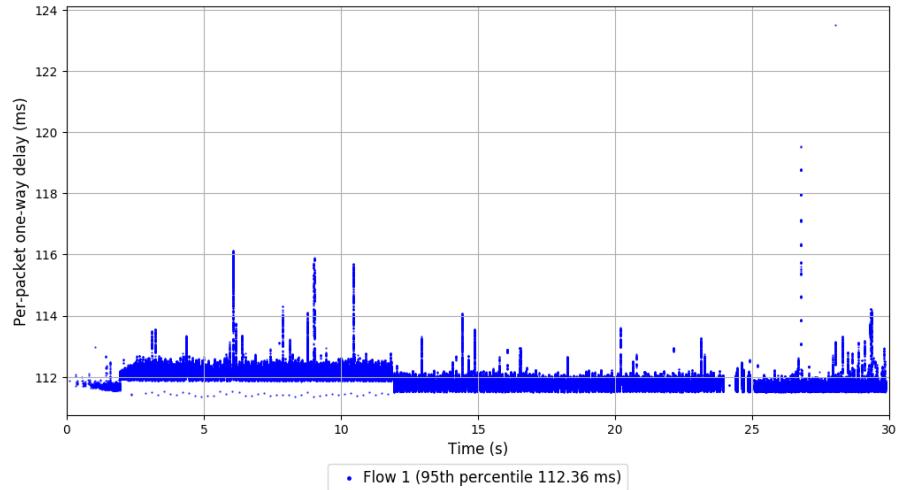
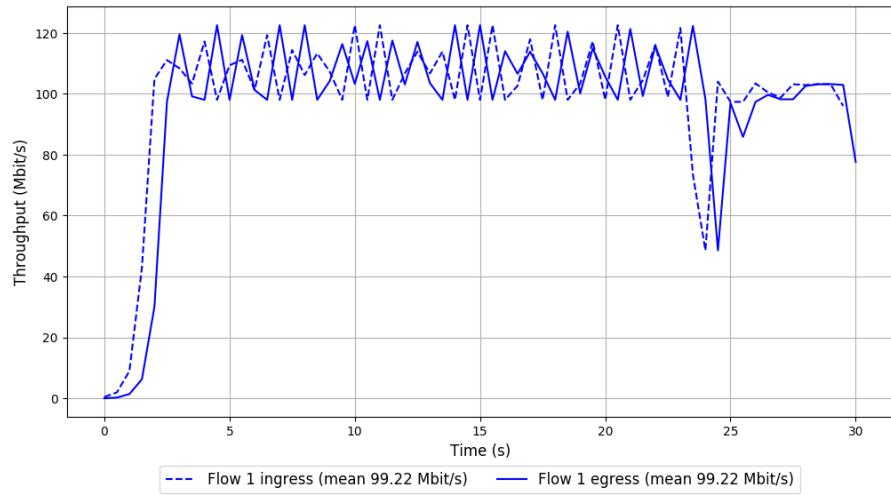


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-30 01:59:37
End at: 2018-06-30 02:00:07
Local clock offset: 0.092 ms
Remote clock offset: -0.383 ms

# Below is generated by plot.py at 2018-06-30 02:57:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.22 Mbit/s
95th percentile per-packet one-way delay: 112.362 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 99.22 Mbit/s
95th percentile per-packet one-way delay: 112.362 ms
Loss rate: 0.74%
```

Run 8: Report of TCP BBR — Data Link

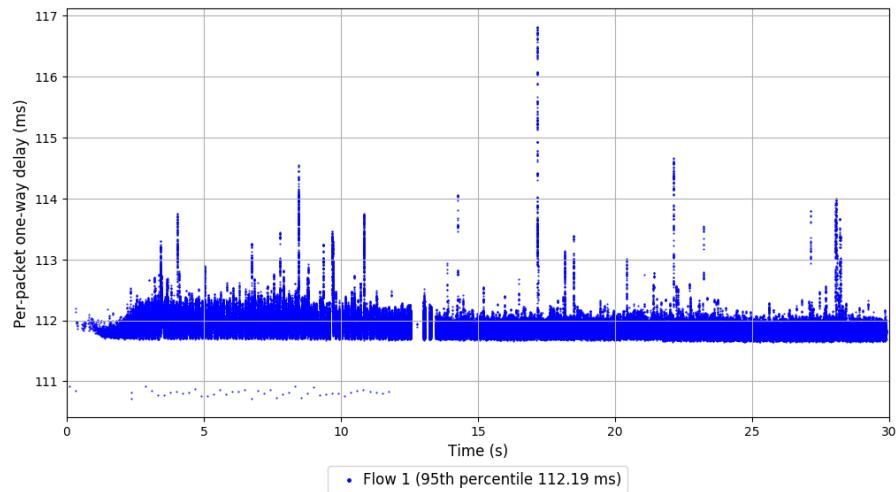
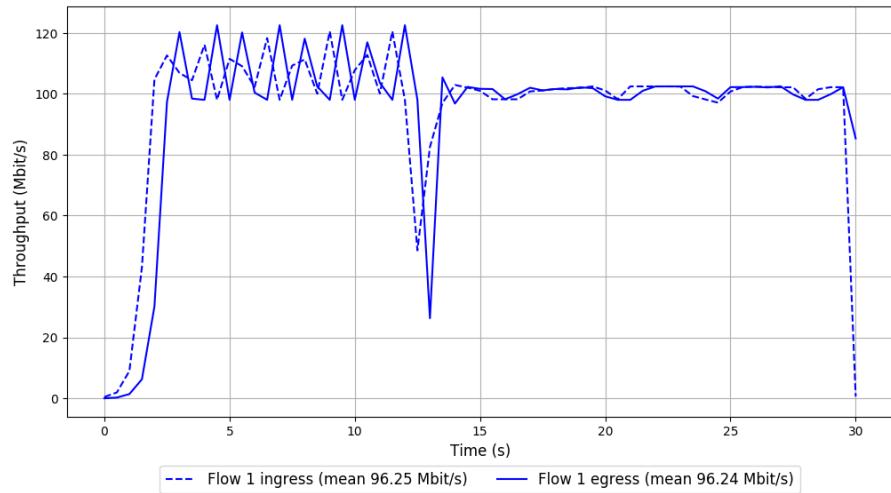


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-30 02:21:58
End at: 2018-06-30 02:22:28
Local clock offset: -0.085 ms
Remote clock offset: -0.393 ms

# Below is generated by plot.py at 2018-06-30 02:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 112.195 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 112.195 ms
Loss rate: 0.75%
```

Run 9: Report of TCP BBR — Data Link

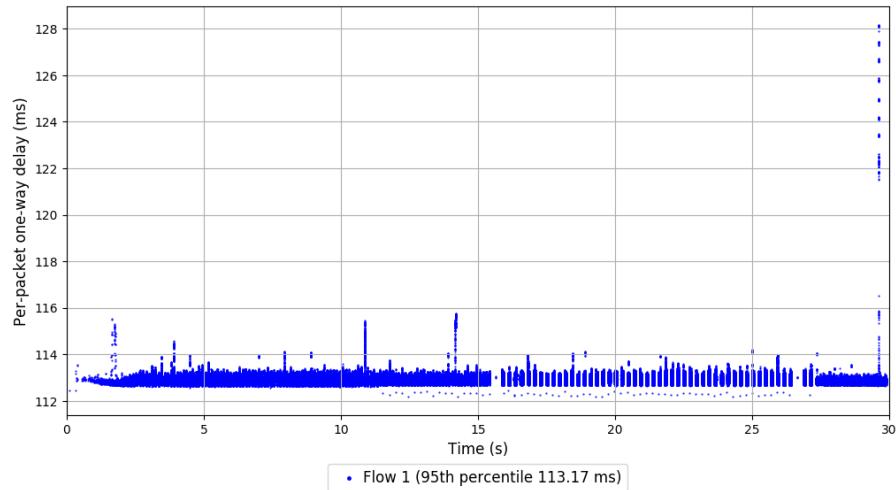
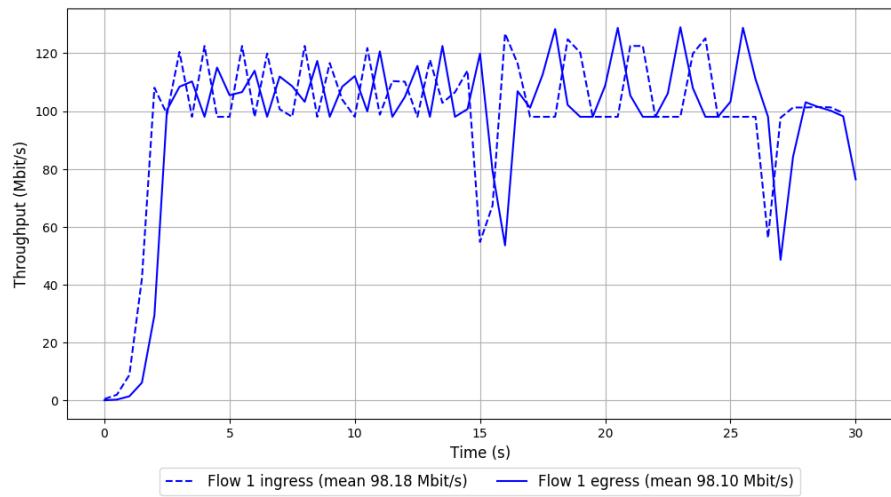


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-30 02:44:08
End at: 2018-06-30 02:44:38
Local clock offset: 1.354 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-06-30 02:58:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.10 Mbit/s
95th percentile per-packet one-way delay: 113.166 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 98.10 Mbit/s
95th percentile per-packet one-way delay: 113.166 ms
Loss rate: 0.79%
```

Run 10: Report of TCP BBR — Data Link

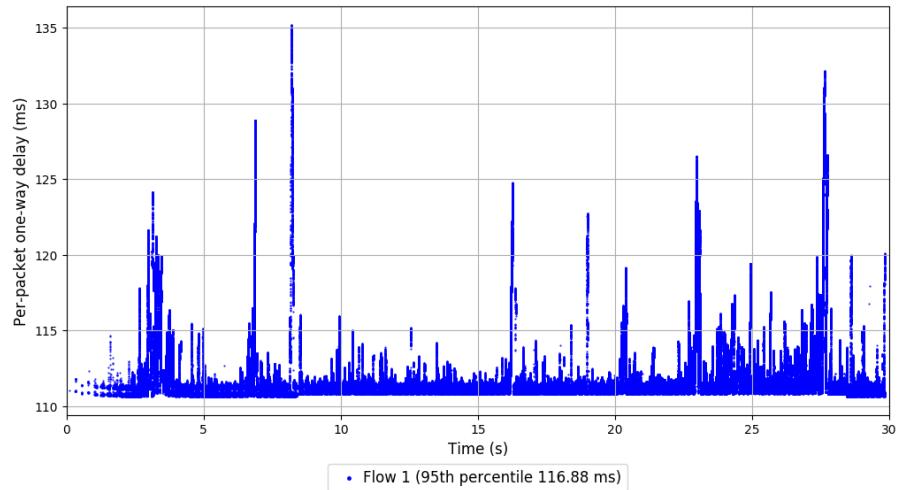
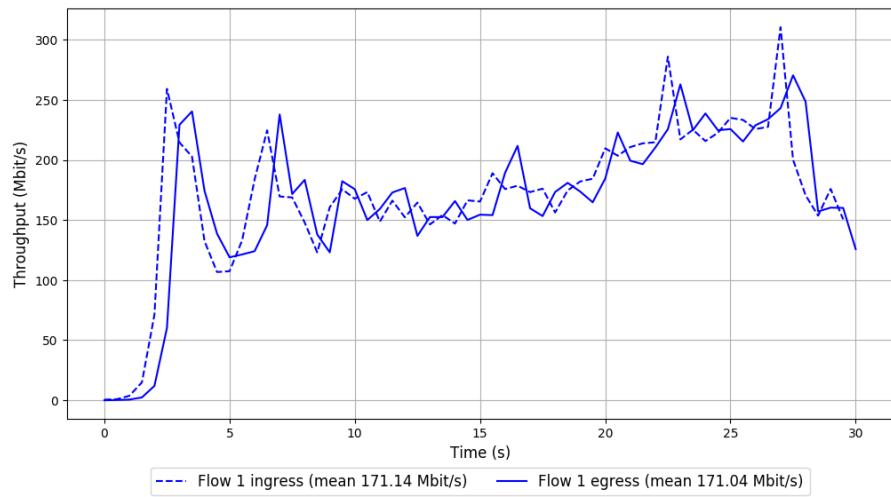


Run 1: Statistics of Copa

```
Start at: 2018-06-29 23:13:31
End at: 2018-06-29 23:14:01
Local clock offset: -0.255 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-06-30 03:01:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 171.04 Mbit/s
95th percentile per-packet one-way delay: 116.882 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 171.04 Mbit/s
95th percentile per-packet one-way delay: 116.882 ms
Loss rate: 0.72%
```

Run 1: Report of Copa — Data Link

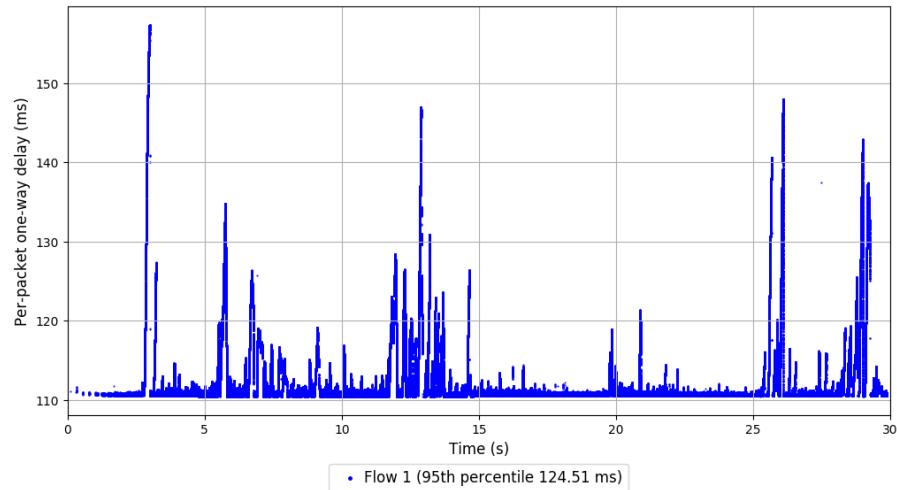
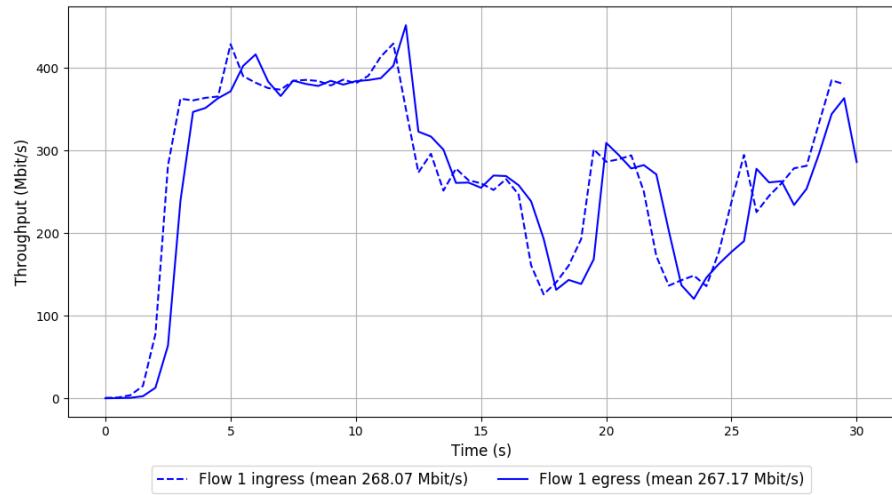


Run 2: Statistics of Copa

```
Start at: 2018-06-29 23:35:44
End at: 2018-06-29 23:36:14
Local clock offset: -0.033 ms
Remote clock offset: 0.46 ms

# Below is generated by plot.py at 2018-06-30 03:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.17 Mbit/s
95th percentile per-packet one-way delay: 124.509 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 267.17 Mbit/s
95th percentile per-packet one-way delay: 124.509 ms
Loss rate: 1.07%
```

Run 2: Report of Copa — Data Link

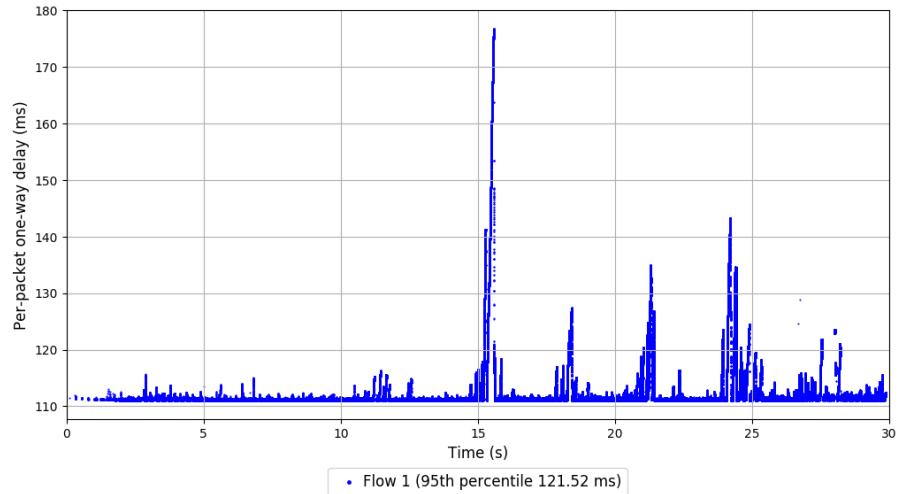
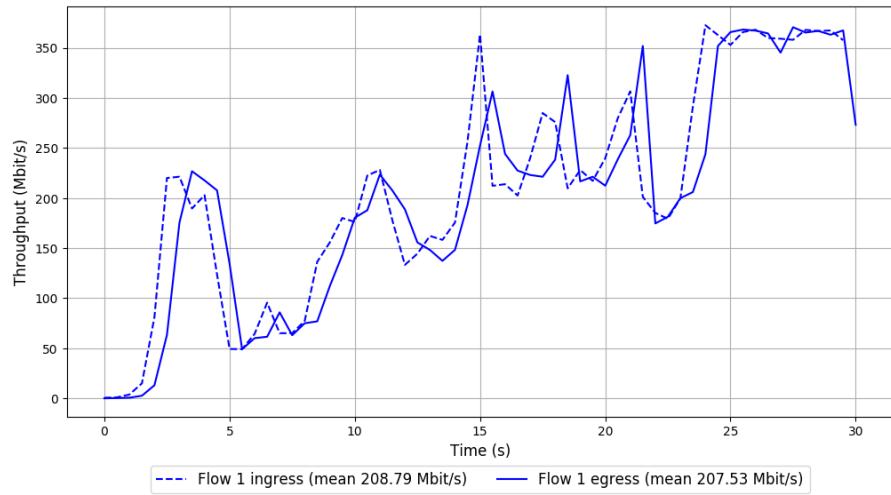


Run 3: Statistics of Copa

```
Start at: 2018-06-29 23:58:12
End at: 2018-06-29 23:58:42
Local clock offset: 0.156 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2018-06-30 03:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.53 Mbit/s
95th percentile per-packet one-way delay: 121.516 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 207.53 Mbit/s
95th percentile per-packet one-way delay: 121.516 ms
Loss rate: 1.34%
```

Run 3: Report of Copa — Data Link

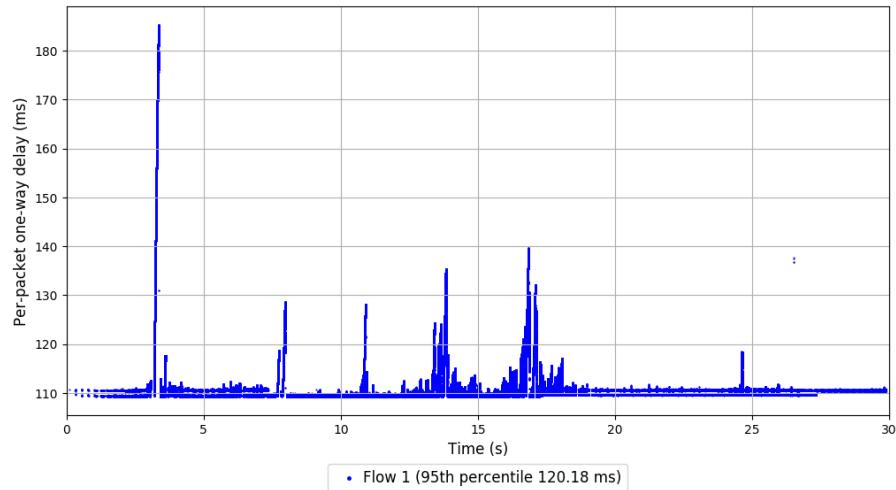
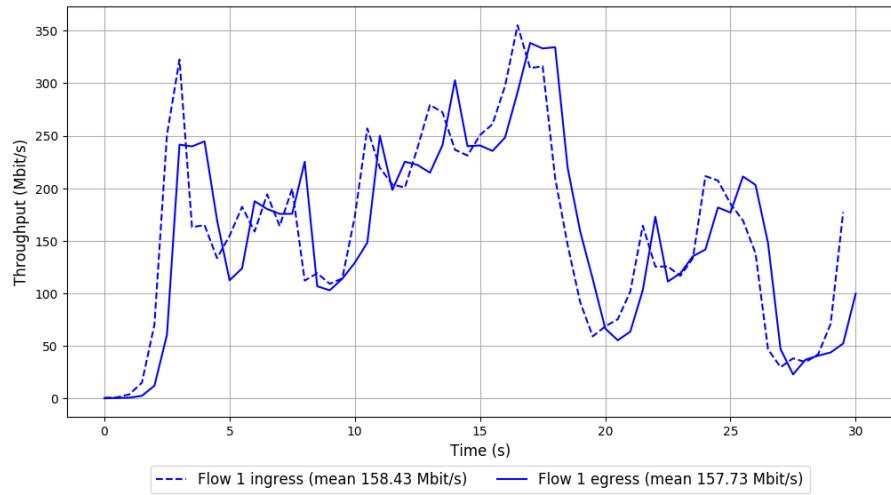


Run 4: Statistics of Copa

```
Start at: 2018-06-30 00:20:22
End at: 2018-06-30 00:20:52
Local clock offset: -1.236 ms
Remote clock offset: 0.463 ms

# Below is generated by plot.py at 2018-06-30 03:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.73 Mbit/s
95th percentile per-packet one-way delay: 120.181 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 157.73 Mbit/s
95th percentile per-packet one-way delay: 120.181 ms
Loss rate: 1.20%
```

Run 4: Report of Copa — Data Link

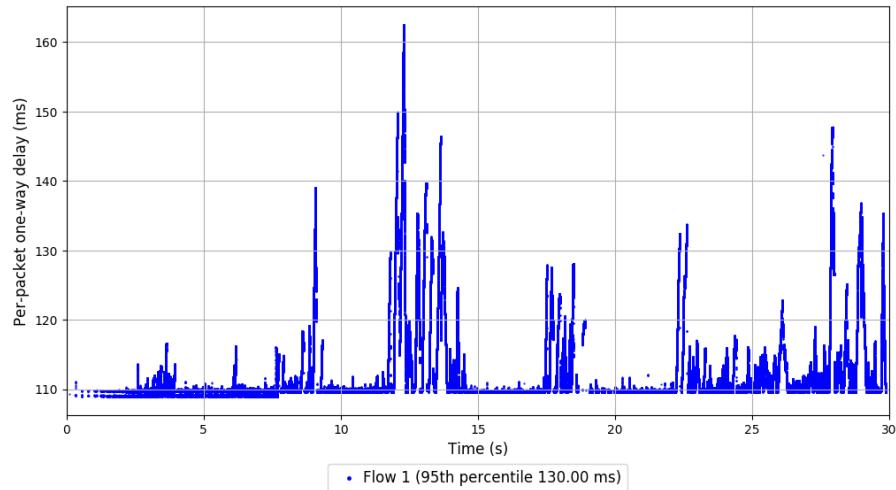
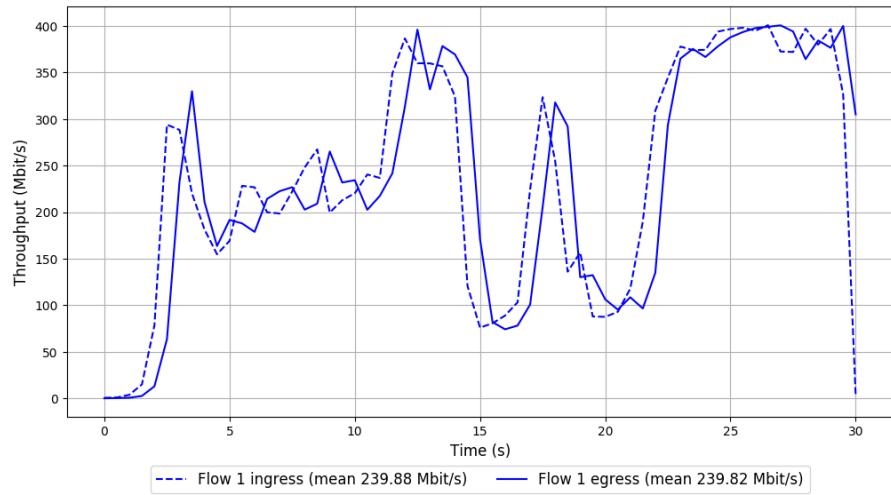


Run 5: Statistics of Copa

```
Start at: 2018-06-30 00:42:12
End at: 2018-06-30 00:42:42
Local clock offset: -1.245 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2018-06-30 03:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.82 Mbit/s
95th percentile per-packet one-way delay: 129.998 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 239.82 Mbit/s
95th percentile per-packet one-way delay: 129.998 ms
Loss rate: 0.78%
```

Run 5: Report of Copa — Data Link

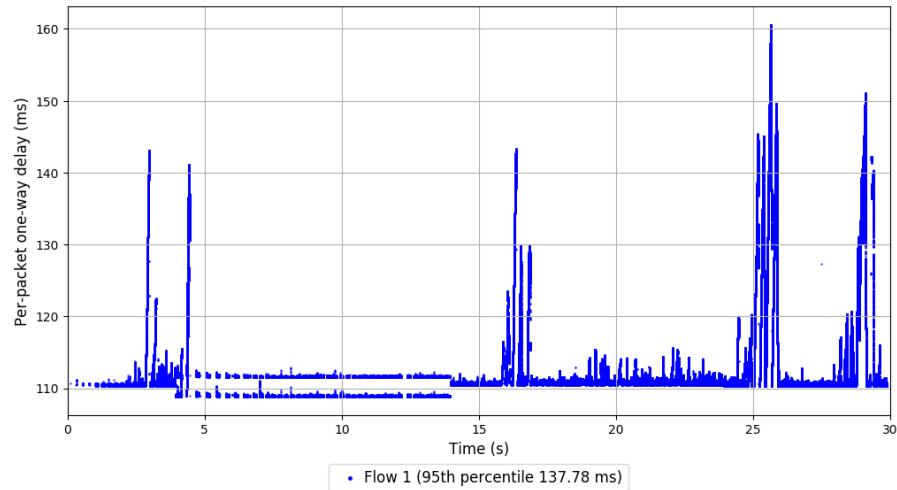
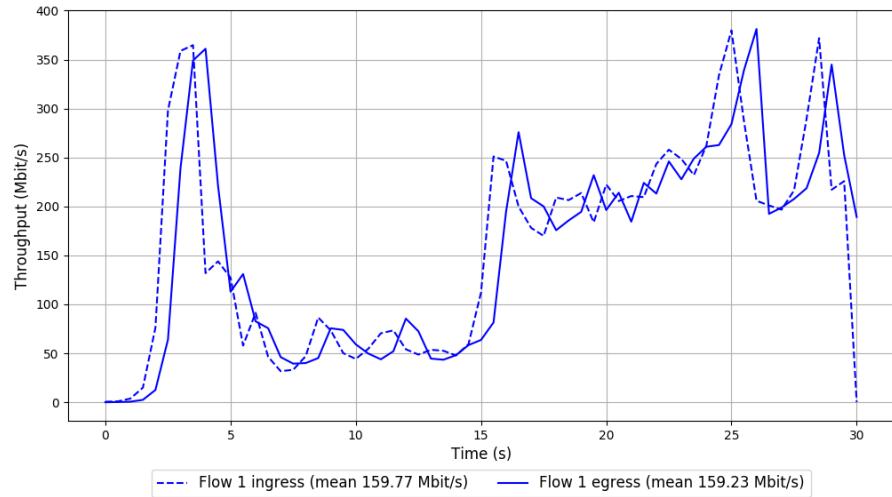


Run 6: Statistics of Copa

```
Start at: 2018-06-30 01:04:35
End at: 2018-06-30 01:05:05
Local clock offset: -0.131 ms
Remote clock offset: 0.475 ms

# Below is generated by plot.py at 2018-06-30 03:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.23 Mbit/s
95th percentile per-packet one-way delay: 137.781 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 159.23 Mbit/s
95th percentile per-packet one-way delay: 137.781 ms
Loss rate: 1.07%
```

Run 6: Report of Copa — Data Link

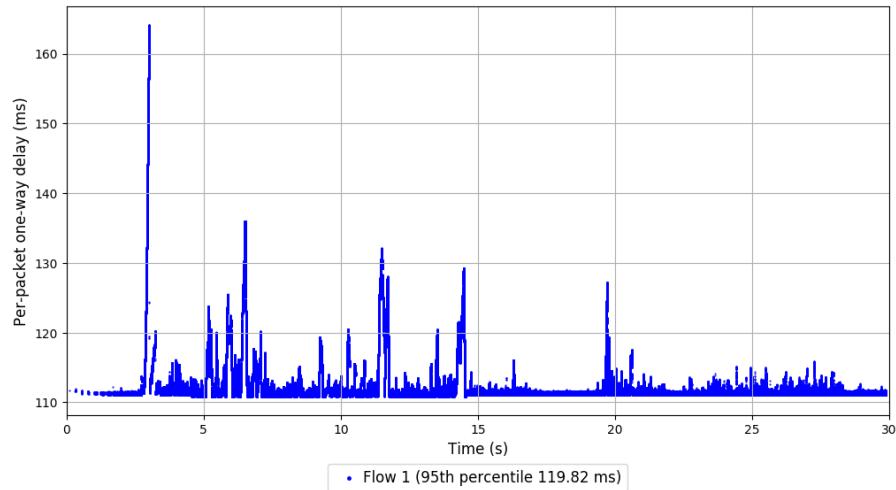
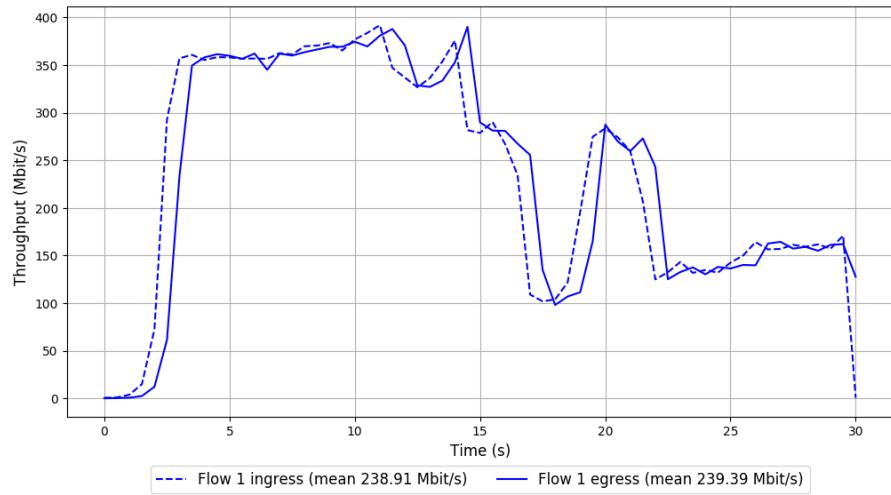


Run 7: Statistics of Copa

```
Start at: 2018-06-30 01:26:55
End at: 2018-06-30 01:27:25
Local clock offset: -0.028 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-06-30 03:05:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.39 Mbit/s
95th percentile per-packet one-way delay: 119.819 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 239.39 Mbit/s
95th percentile per-packet one-way delay: 119.819 ms
Loss rate: 0.54%
```

Run 7: Report of Copa — Data Link

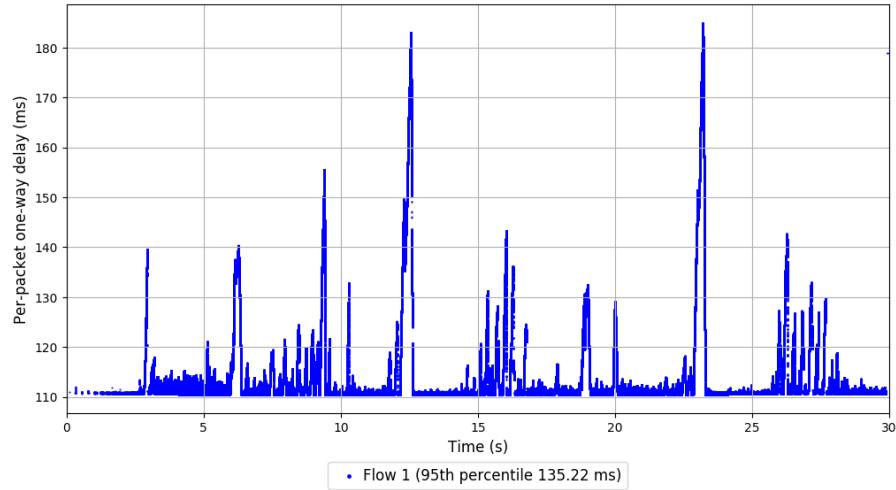
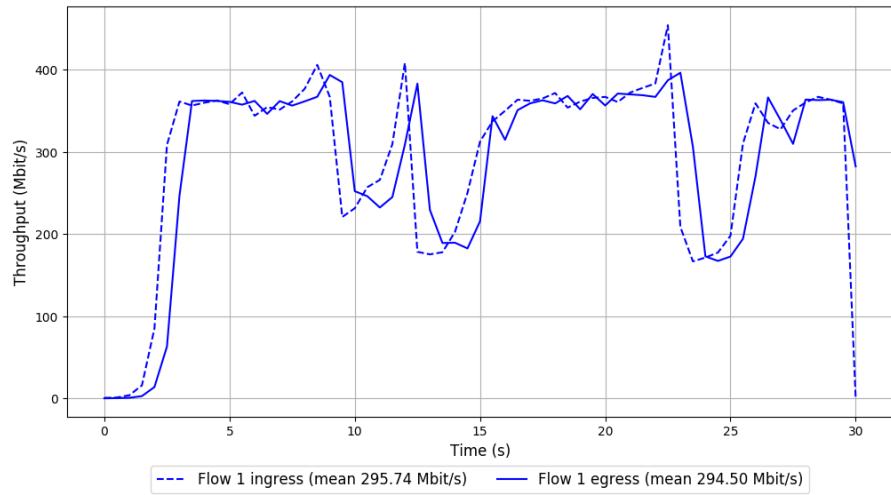


Run 8: Statistics of Copa

```
Start at: 2018-06-30 01:49:35
End at: 2018-06-30 01:50:05
Local clock offset: 0.08 ms
Remote clock offset: 0.39 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.50 Mbit/s
95th percentile per-packet one-way delay: 135.222 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 294.50 Mbit/s
95th percentile per-packet one-way delay: 135.222 ms
Loss rate: 0.95%
```

Run 8: Report of Copa — Data Link

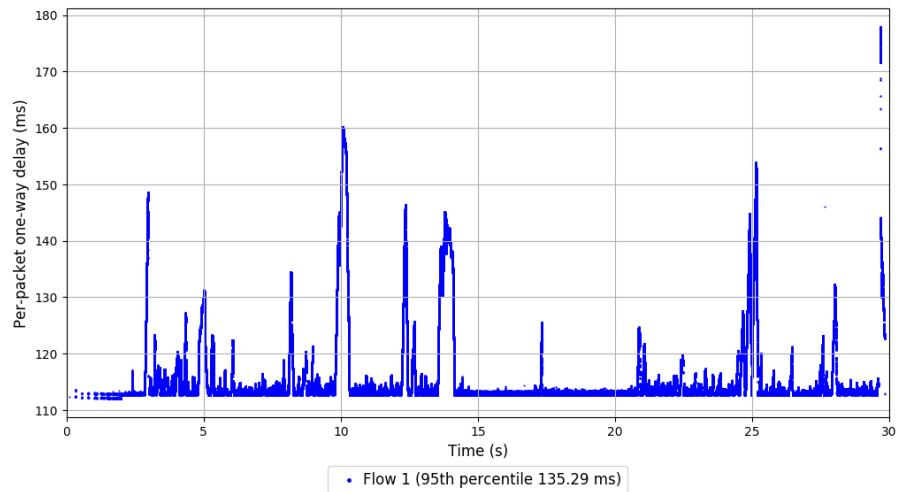
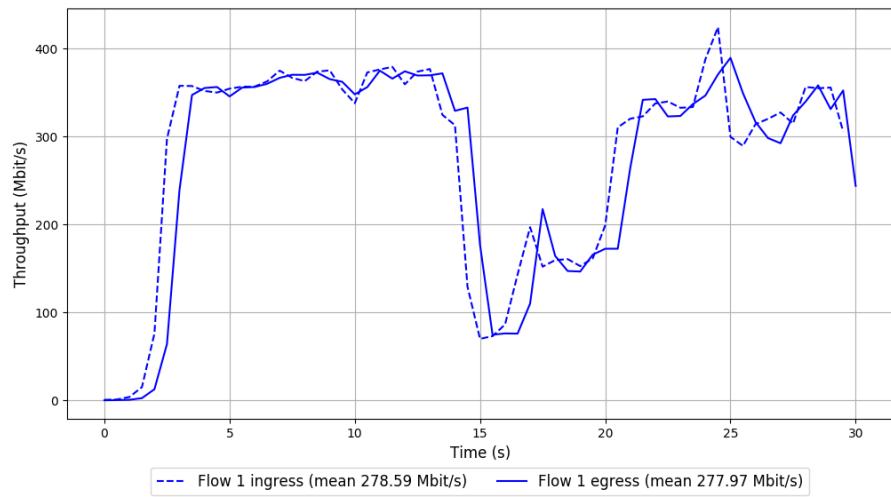


Run 9: Statistics of Copa

```
Start at: 2018-06-30 02:11:57
End at: 2018-06-30 02:12:27
Local clock offset: 1.402 ms
Remote clock offset: -0.298 ms

# Below is generated by plot.py at 2018-06-30 03:09:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 277.97 Mbit/s
95th percentile per-packet one-way delay: 135.292 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 277.97 Mbit/s
95th percentile per-packet one-way delay: 135.292 ms
Loss rate: 0.93%
```

Run 9: Report of Copa — Data Link

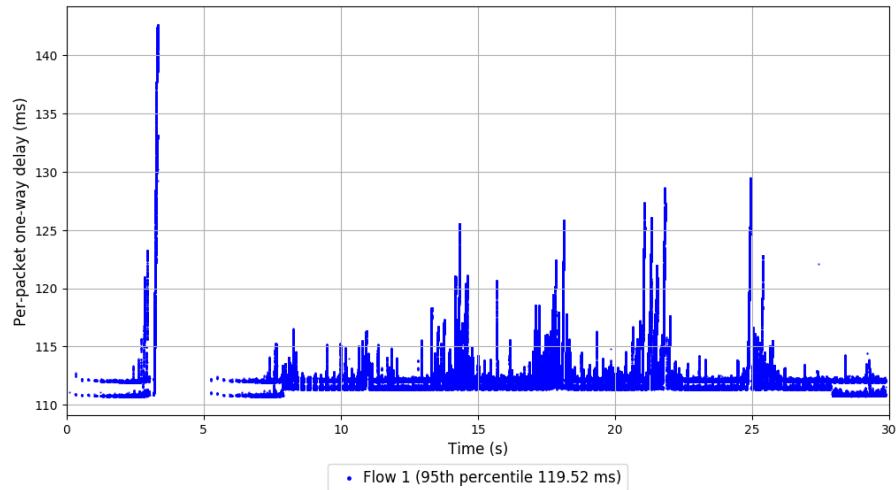
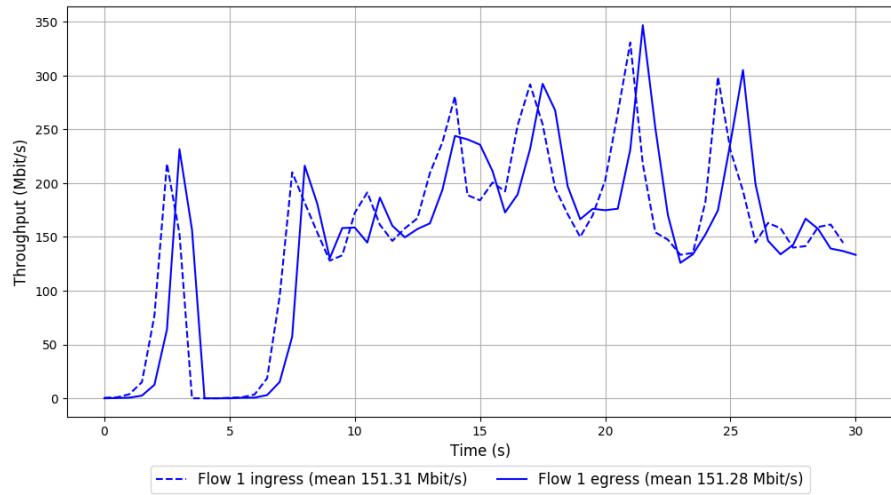


Run 10: Statistics of Copa

```
Start at: 2018-06-30 02:34:21
End at: 2018-06-30 02:34:51
Local clock offset: 0.216 ms
Remote clock offset: -0.408 ms

# Below is generated by plot.py at 2018-06-30 03:09:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.28 Mbit/s
95th percentile per-packet one-way delay: 119.520 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 151.28 Mbit/s
95th percentile per-packet one-way delay: 119.520 ms
Loss rate: 0.76%
```

Run 10: Report of Copa — Data Link

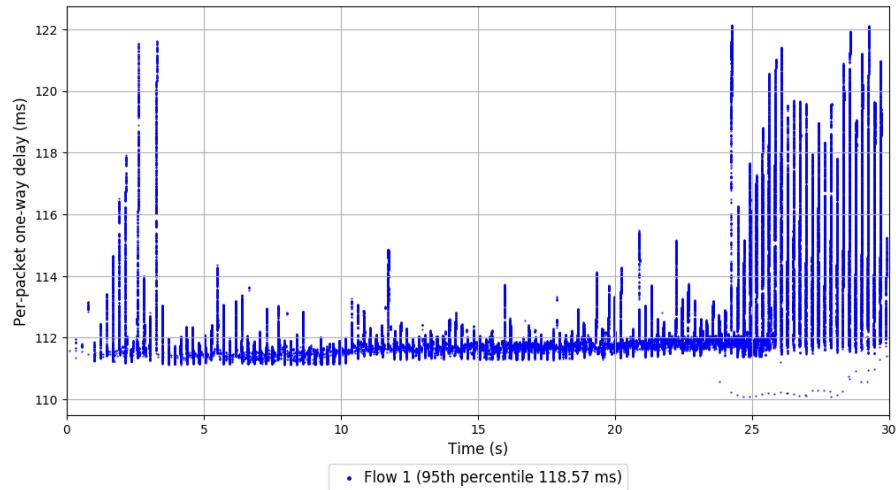
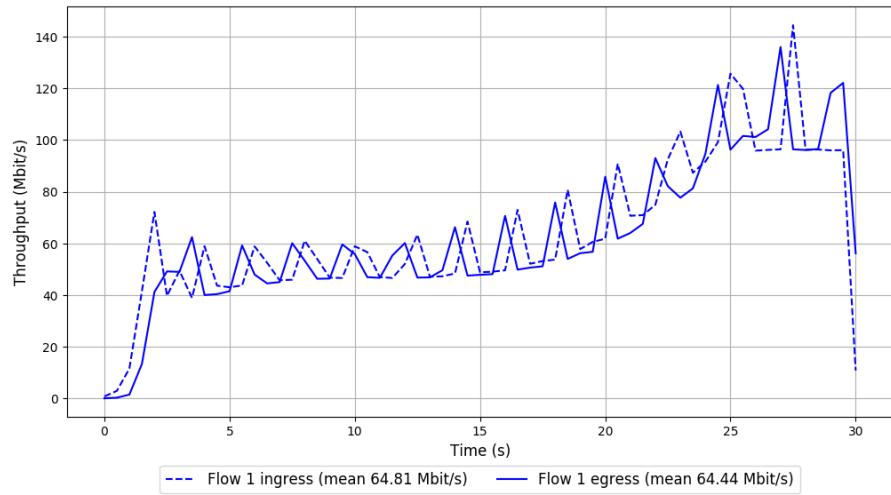


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-29 23:05:19
End at: 2018-06-29 23:05:49
Local clock offset: -0.118 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-06-30 03:09:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 118.574 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 118.574 ms
Loss rate: 1.30%
```

Run 1: Report of TCP Cubic — Data Link

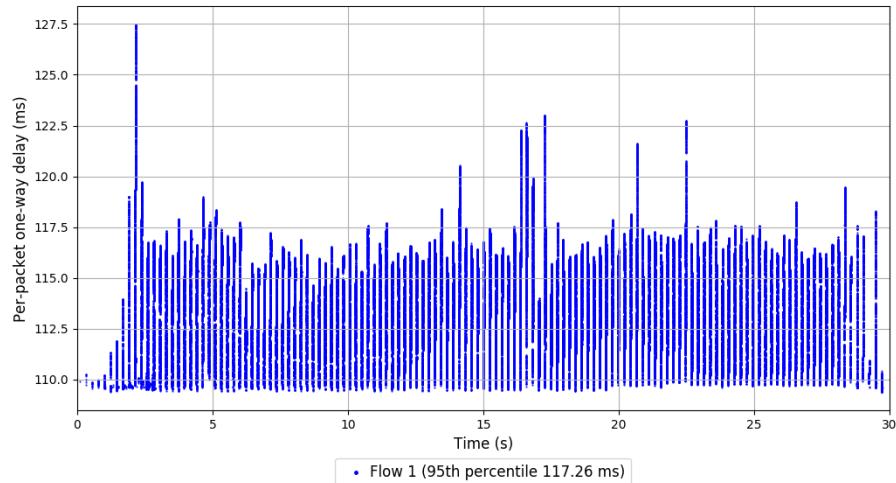
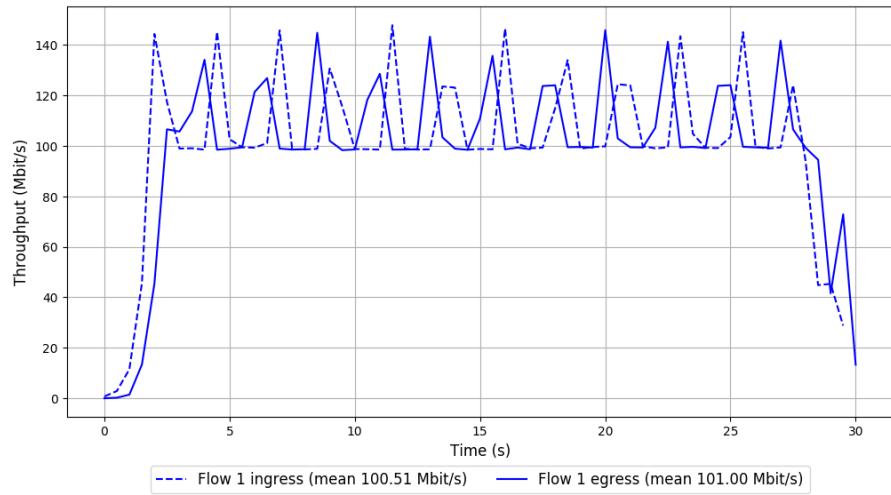


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-29 23:27:30
End at: 2018-06-29 23:28:00
Local clock offset: -1.296 ms
Remote clock offset: 0.391 ms

# Below is generated by plot.py at 2018-06-30 03:09:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.00 Mbit/s
95th percentile per-packet one-way delay: 117.262 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 101.00 Mbit/s
95th percentile per-packet one-way delay: 117.262 ms
Loss rate: 0.26%
```

Run 2: Report of TCP Cubic — Data Link

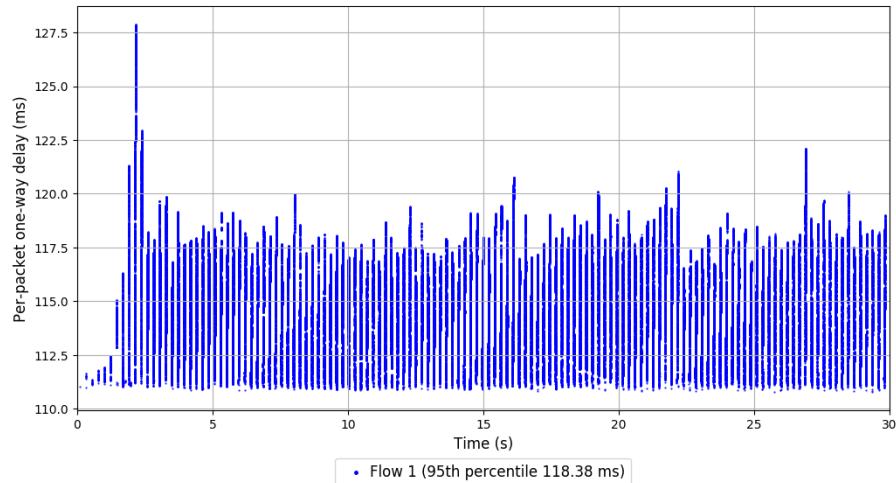
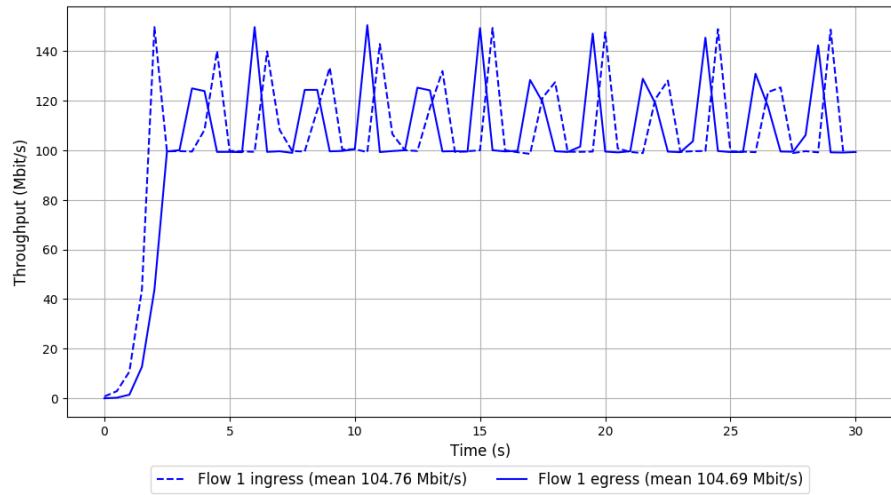


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-29 23:50:03
End at: 2018-06-29 23:50:33
Local clock offset: -0.477 ms
Remote clock offset: -0.282 ms

# Below is generated by plot.py at 2018-06-30 03:09:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.69 Mbit/s
95th percentile per-packet one-way delay: 118.384 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 104.69 Mbit/s
95th percentile per-packet one-way delay: 118.384 ms
Loss rate: 0.79%
```

Run 3: Report of TCP Cubic — Data Link

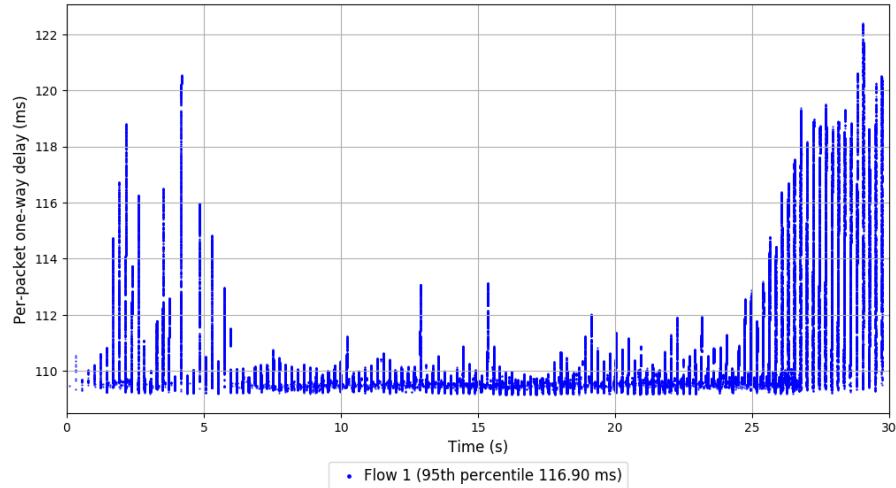
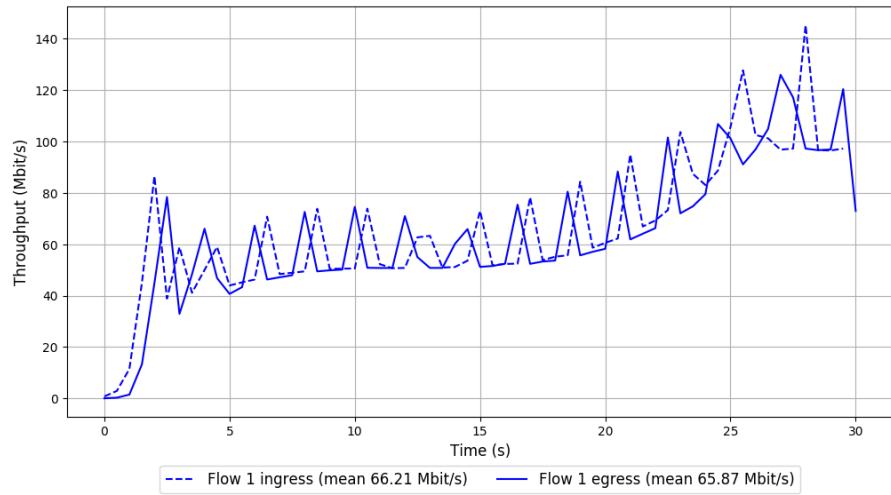


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-30 00:12:04
End at: 2018-06-30 00:12:34
Local clock offset: -1.377 ms
Remote clock offset: 0.457 ms

# Below is generated by plot.py at 2018-06-30 03:09:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 116.901 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 116.901 ms
Loss rate: 1.23%
```

Run 4: Report of TCP Cubic — Data Link

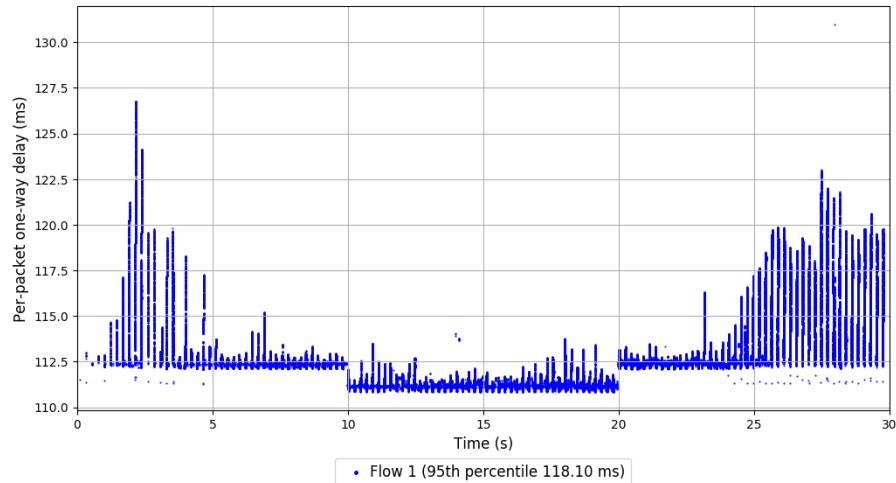
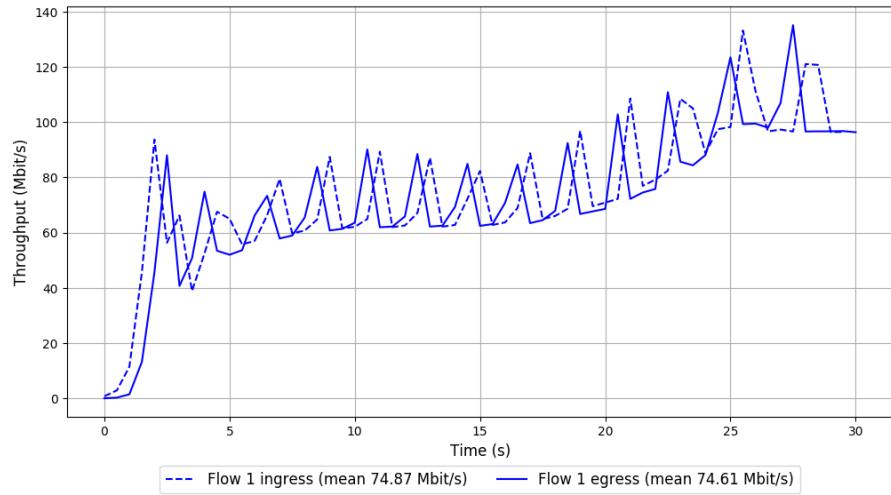


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-30 00:33:59
End at: 2018-06-30 00:34:29
Local clock offset: 0.041 ms
Remote clock offset: 0.111 ms

# Below is generated by plot.py at 2018-06-30 03:09:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 118.102 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 118.102 ms
Loss rate: 1.08%
```

Run 5: Report of TCP Cubic — Data Link

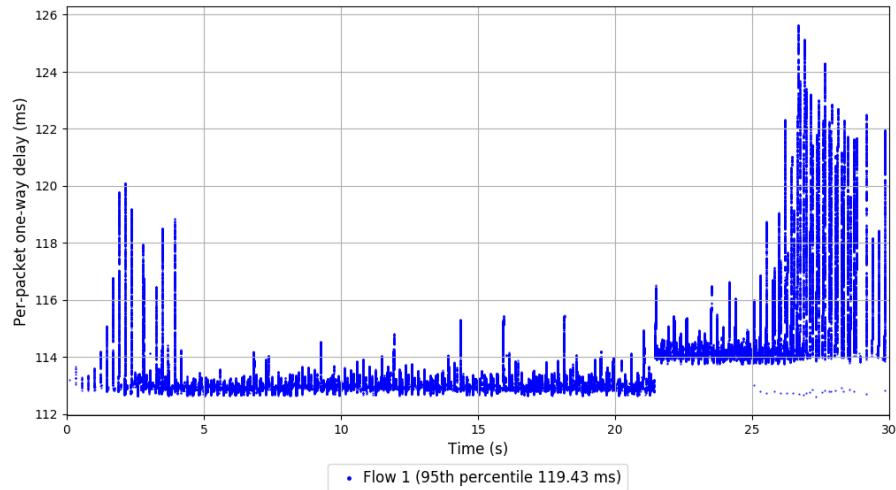
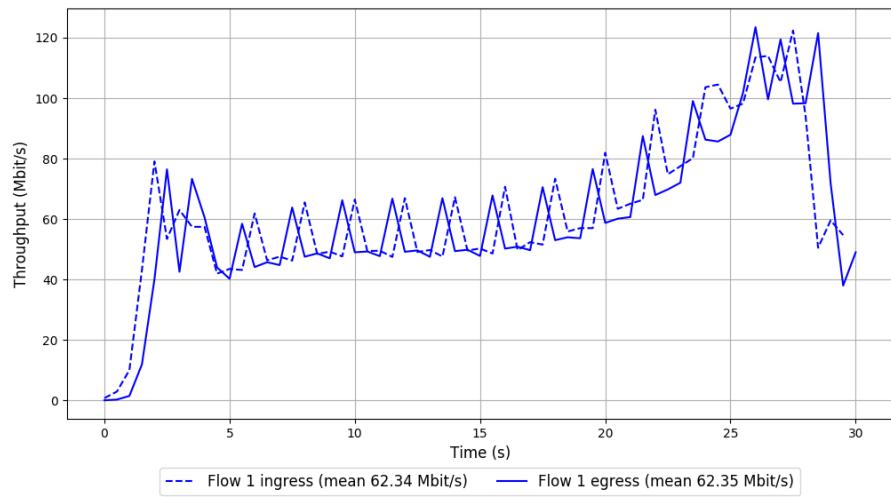


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-30 00:56:28
End at: 2018-06-30 00:56:58
Local clock offset: 1.257 ms
Remote clock offset: -0.303 ms

# Below is generated by plot.py at 2018-06-30 03:09:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 119.429 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 119.429 ms
Loss rate: 0.73%
```

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 01:18:40

End at: 2018-06-30 01:19:10

Local clock offset: 0.171 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-06-30 03:09:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.39 Mbit/s

95th percentile per-packet one-way delay: 116.665 ms

Loss rate: 1.20%

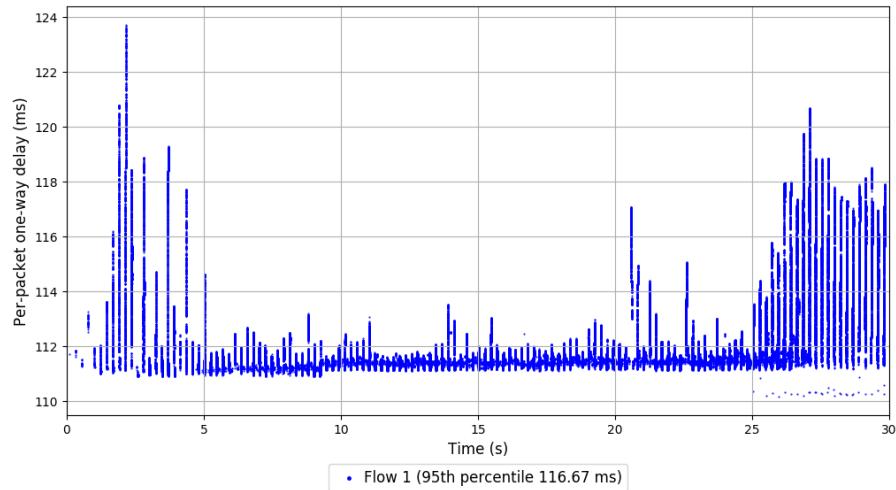
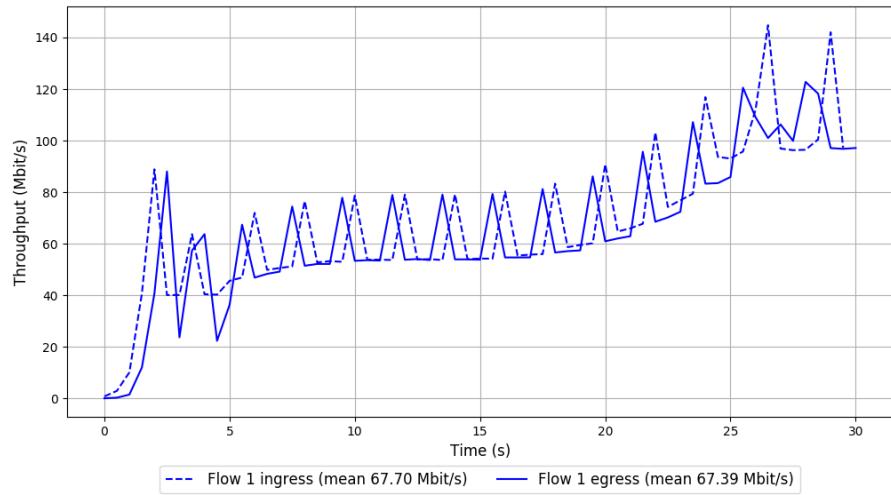
-- Flow 1:

Average throughput: 67.39 Mbit/s

95th percentile per-packet one-way delay: 116.665 ms

Loss rate: 1.20%

Run 7: Report of TCP Cubic — Data Link

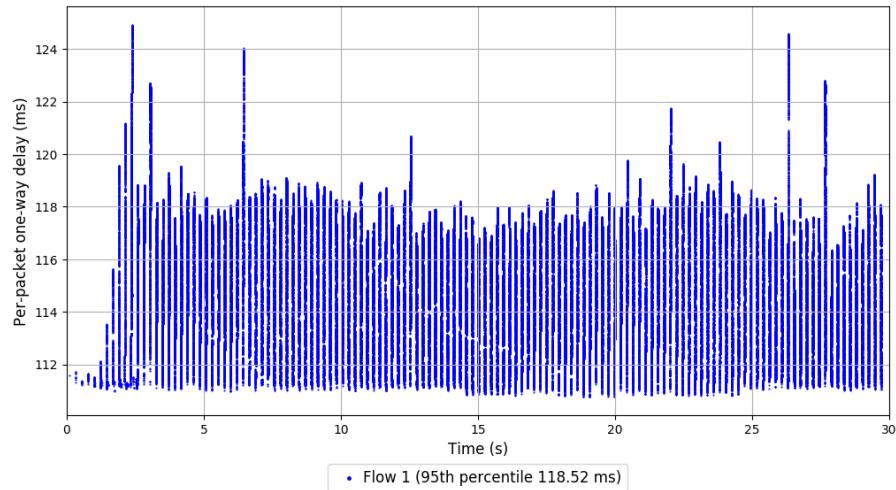
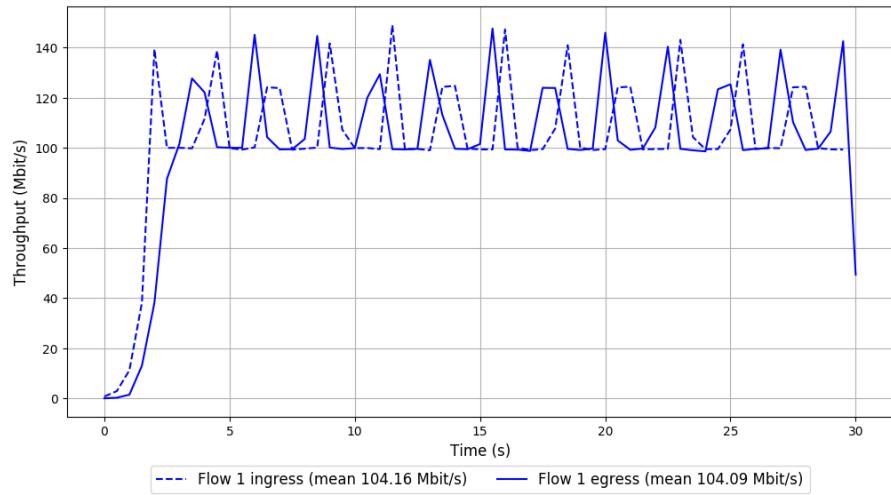


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-30 01:41:15
End at: 2018-06-30 01:41:45
Local clock offset: -0.062 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-06-30 03:09:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.09 Mbit/s
95th percentile per-packet one-way delay: 118.518 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 104.09 Mbit/s
95th percentile per-packet one-way delay: 118.518 ms
Loss rate: 0.80%
```

Run 8: Report of TCP Cubic — Data Link

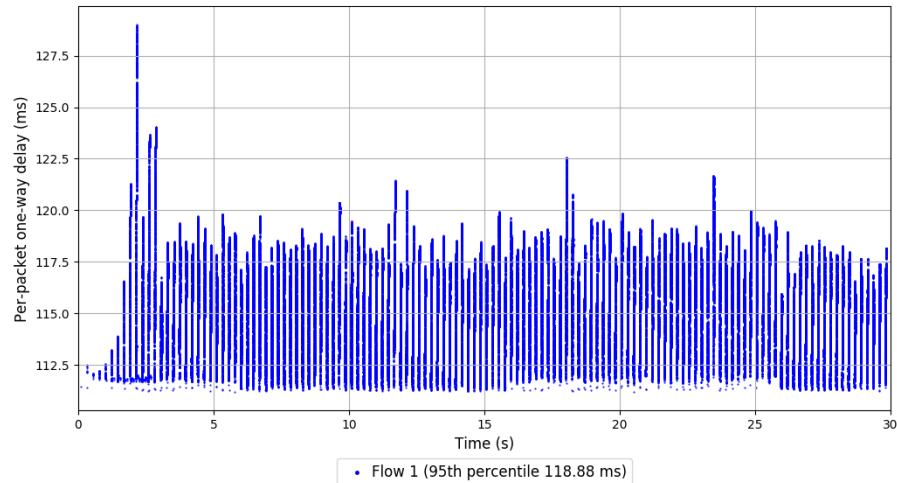
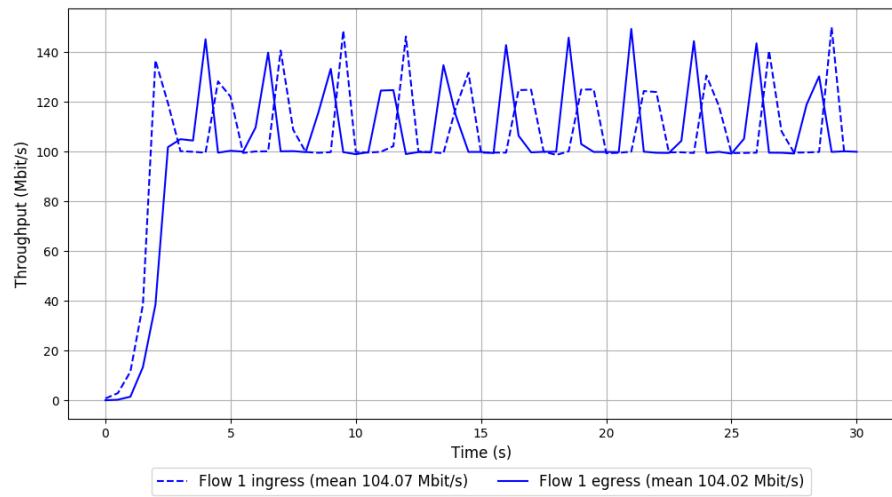


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-30 02:03:53
End at: 2018-06-30 02:04:23
Local clock offset: -0.224 ms
Remote clock offset: -0.376 ms

# Below is generated by plot.py at 2018-06-30 03:09:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.02 Mbit/s
95th percentile per-packet one-way delay: 118.882 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 104.02 Mbit/s
95th percentile per-packet one-way delay: 118.882 ms
Loss rate: 0.80%
```

Run 9: Report of TCP Cubic — Data Link

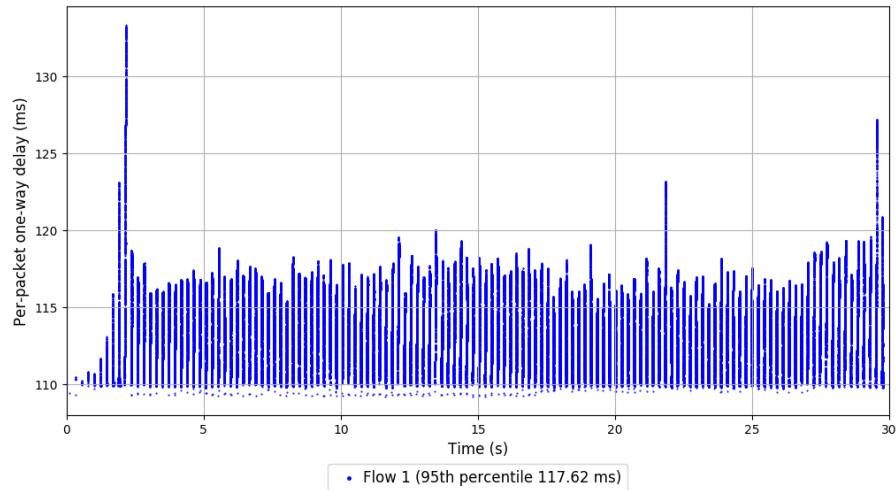
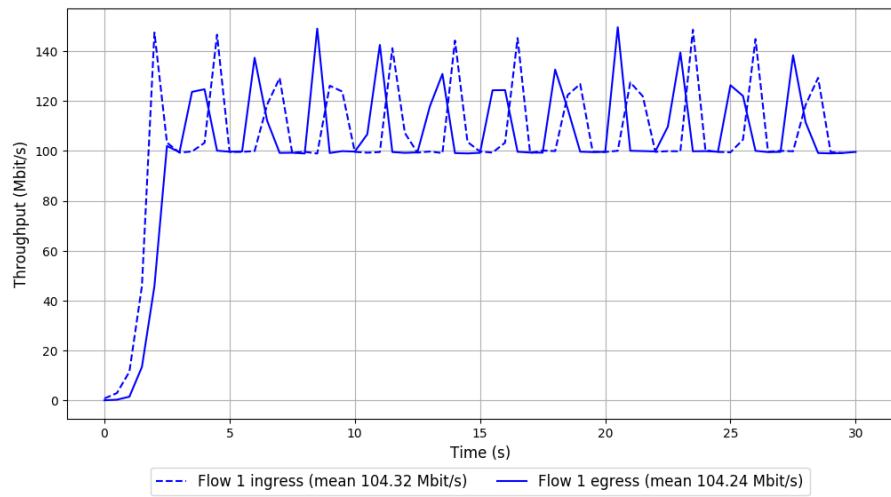


Run 10: Statistics of TCP Cubic

```
Start at: 2018-06-30 02:26:12
End at: 2018-06-30 02:26:42
Local clock offset: -1.299 ms
Remote clock offset: 0.353 ms

# Below is generated by plot.py at 2018-06-30 03:09:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.24 Mbit/s
95th percentile per-packet one-way delay: 117.618 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 104.24 Mbit/s
95th percentile per-packet one-way delay: 117.618 ms
Loss rate: 0.79%
```

Run 10: Report of TCP Cubic — Data Link

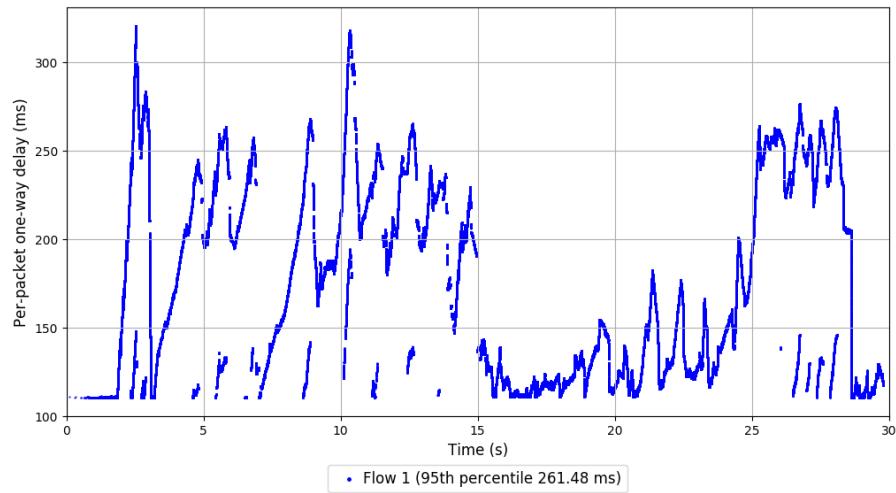
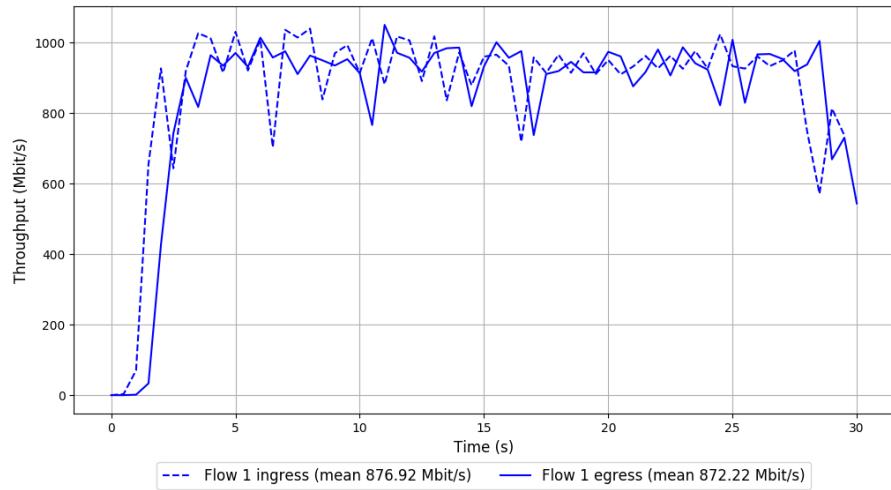


```
Run 1: Statistics of FillP

Start at: 2018-06-29 23:11:46
End at: 2018-06-29 23:12:16
Local clock offset: -0.111 ms
Remote clock offset: 0.447 ms

# Below is generated by plot.py at 2018-06-30 03:23:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 872.22 Mbit/s
95th percentile per-packet one-way delay: 261.484 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 872.22 Mbit/s
95th percentile per-packet one-way delay: 261.484 ms
Loss rate: 1.28%
```

Run 1: Report of FillP — Data Link

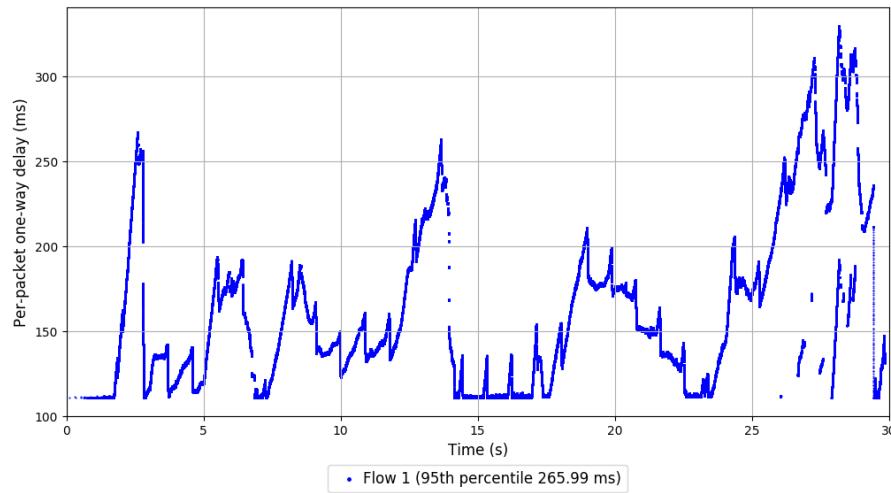
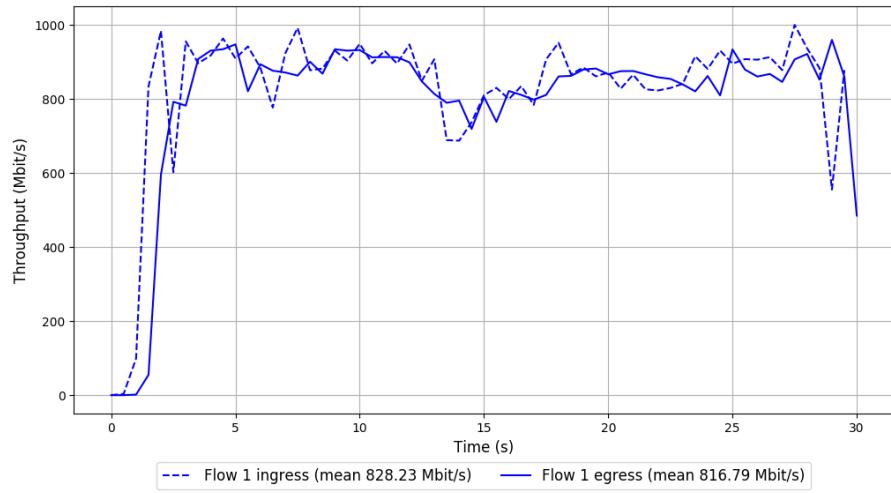


Run 2: Statistics of FillP

```
Start at: 2018-06-29 23:34:02
End at: 2018-06-29 23:34:32
Local clock offset: 0.034 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2018-06-30 03:23:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 816.79 Mbit/s
95th percentile per-packet one-way delay: 265.986 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 816.79 Mbit/s
95th percentile per-packet one-way delay: 265.986 ms
Loss rate: 2.11%
```

Run 2: Report of FillP — Data Link

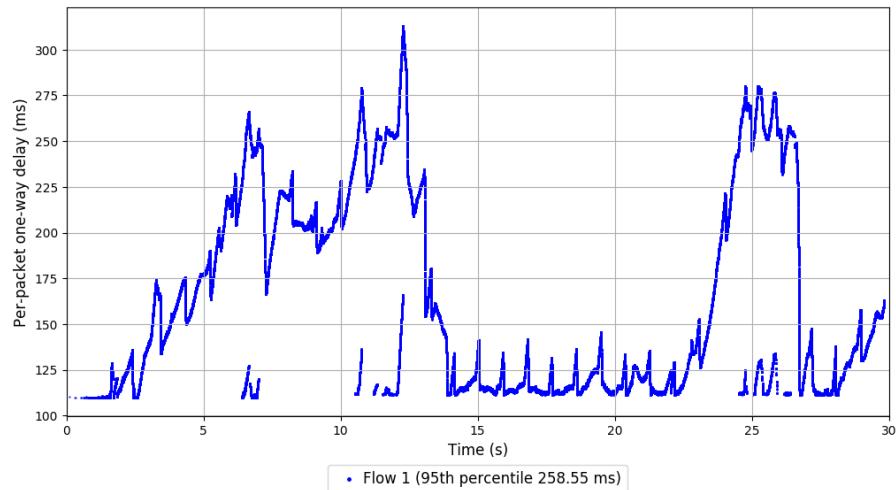
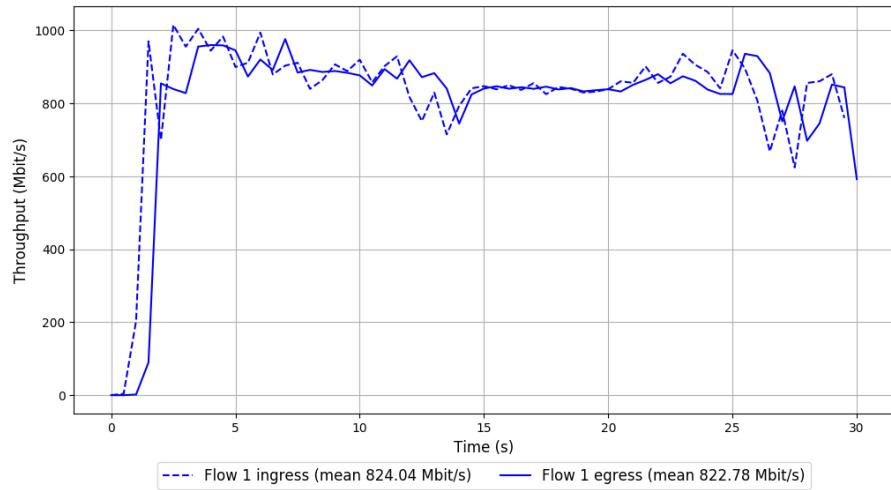


Run 3: Statistics of FillP

```
Start at: 2018-06-29 23:56:29
End at: 2018-06-29 23:56:59
Local clock offset: 0.088 ms
Remote clock offset: -0.304 ms

# Below is generated by plot.py at 2018-06-30 03:23:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 822.78 Mbit/s
95th percentile per-packet one-way delay: 258.553 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 822.78 Mbit/s
95th percentile per-packet one-way delay: 258.553 ms
Loss rate: 0.89%
```

Run 3: Report of FillP — Data Link

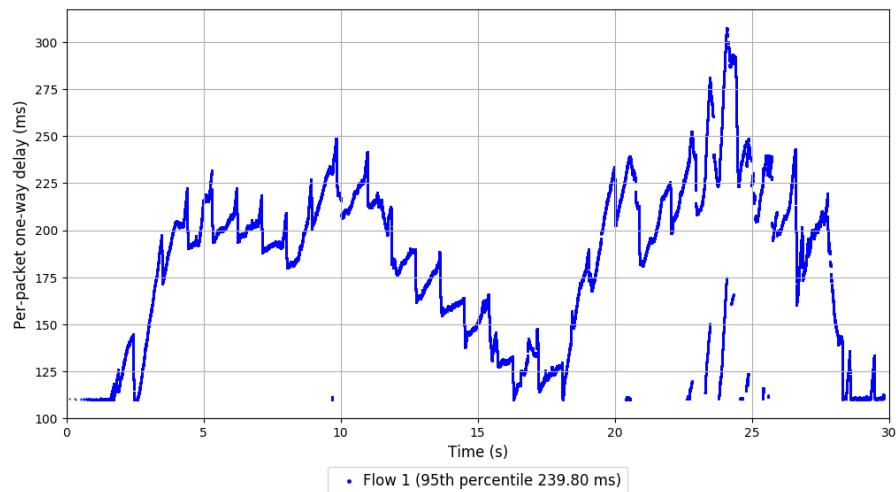
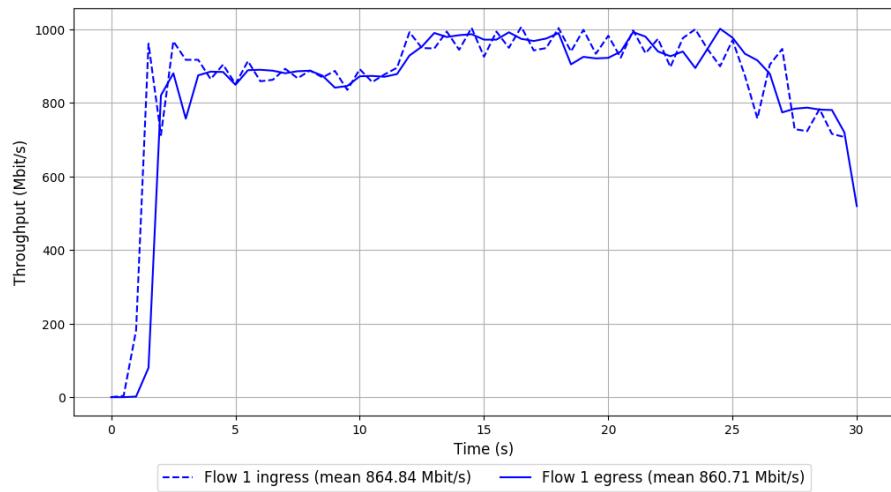


Run 4: Statistics of FillP

```
Start at: 2018-06-30 00:18:38
End at: 2018-06-30 00:19:08
Local clock offset: -1.129 ms
Remote clock offset: 0.059 ms

# Below is generated by plot.py at 2018-06-30 03:23:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 860.71 Mbit/s
95th percentile per-packet one-way delay: 239.802 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 860.71 Mbit/s
95th percentile per-packet one-way delay: 239.802 ms
Loss rate: 1.22%
```

Run 4: Report of FillP — Data Link

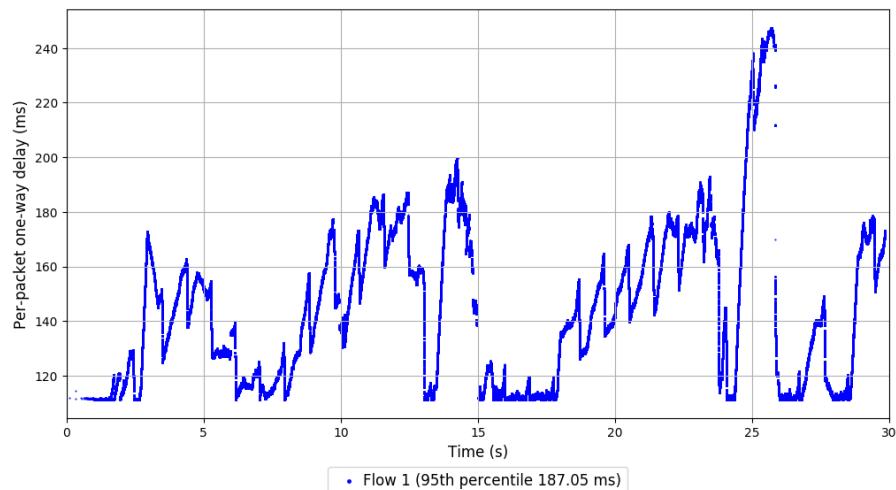
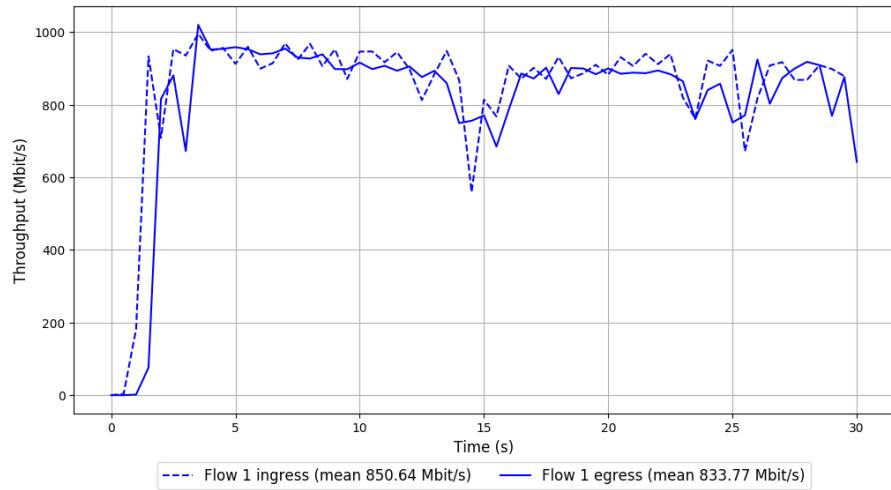


Run 5: Statistics of FillP

```
Start at: 2018-06-30 00:40:28
End at: 2018-06-30 00:40:58
Local clock offset: 0.33 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2018-06-30 03:23:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 833.77 Mbit/s
95th percentile per-packet one-way delay: 187.053 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 833.77 Mbit/s
95th percentile per-packet one-way delay: 187.053 ms
Loss rate: 2.71%
```

Run 5: Report of FillP — Data Link

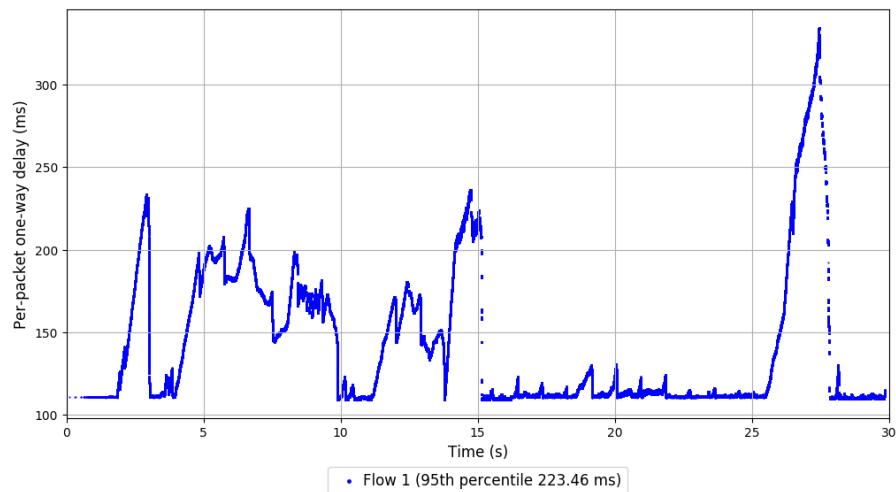
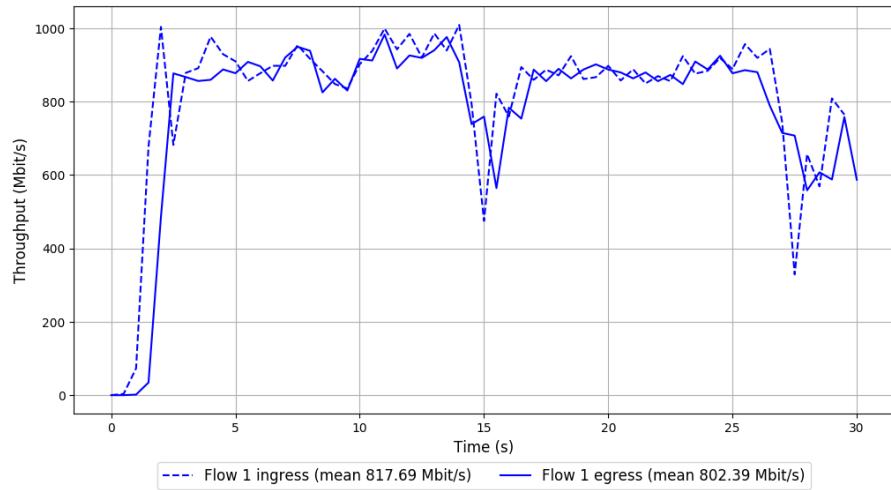


Run 6: Statistics of FillP

```
Start at: 2018-06-30 01:02:53
End at: 2018-06-30 01:03:23
Local clock offset: -1.451 ms
Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2018-06-30 03:23:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 802.39 Mbit/s
95th percentile per-packet one-way delay: 223.456 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 802.39 Mbit/s
95th percentile per-packet one-way delay: 223.456 ms
Loss rate: 2.61%
```

Run 6: Report of FillP — Data Link

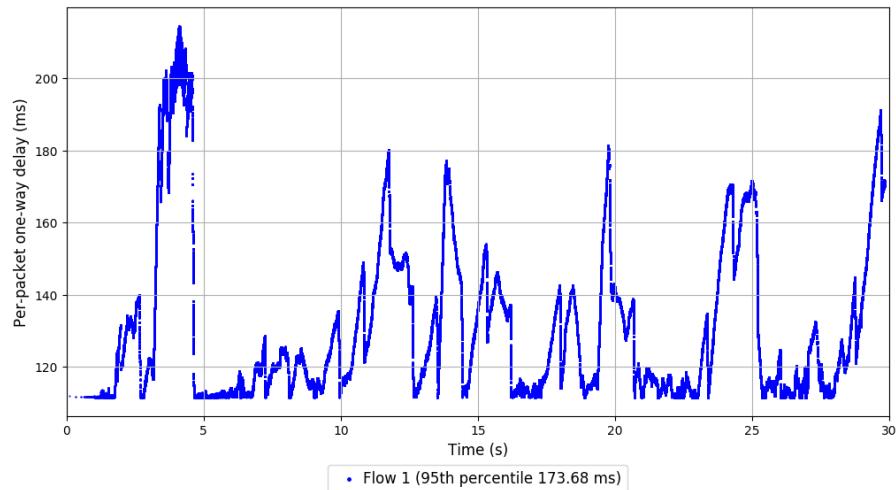
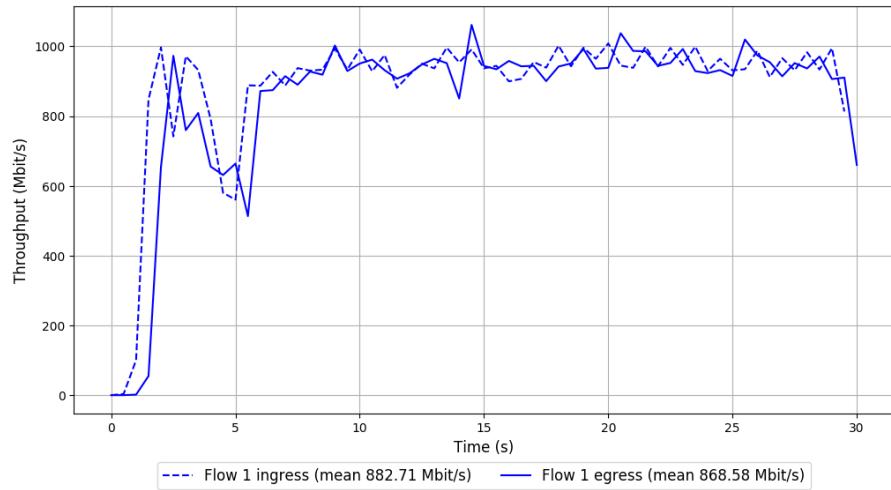


Run 7: Statistics of FillP

```
Start at: 2018-06-30 01:25:09
End at: 2018-06-30 01:25:39
Local clock offset: 0.225 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-06-30 03:24:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 868.58 Mbit/s
95th percentile per-packet one-way delay: 173.675 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 868.58 Mbit/s
95th percentile per-packet one-way delay: 173.675 ms
Loss rate: 2.34%
```

Run 7: Report of FillP — Data Link

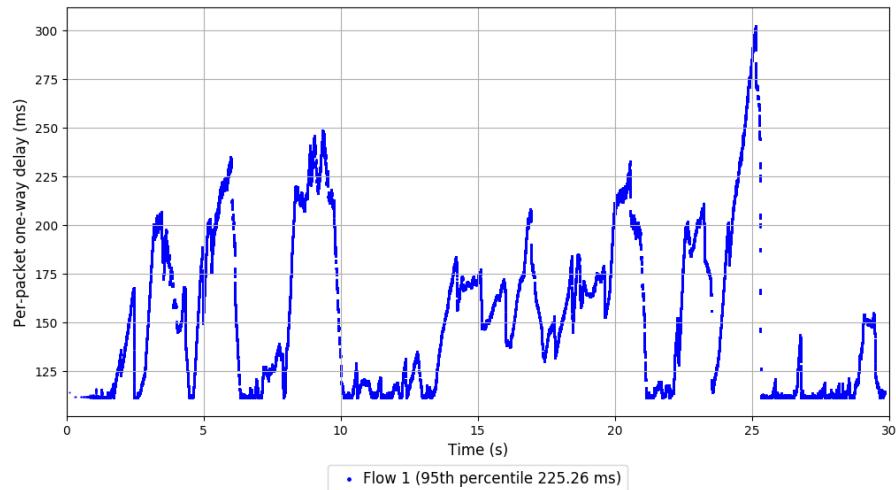
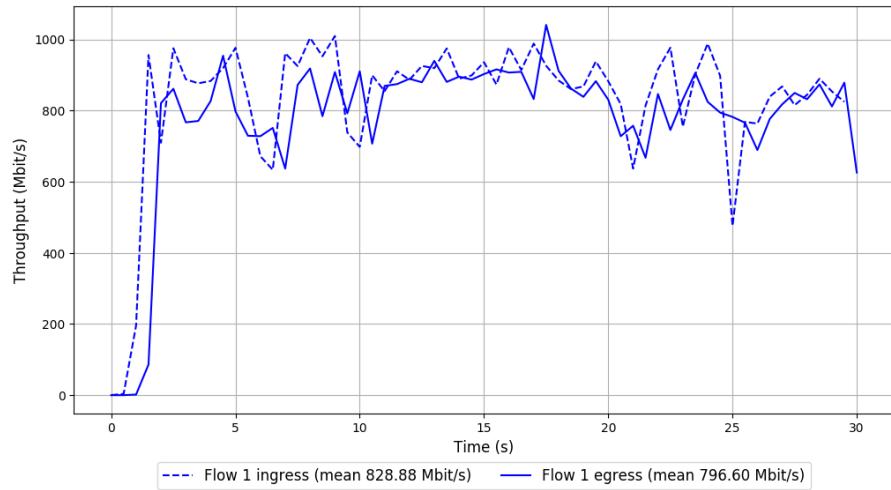


Run 8: Statistics of FillP

```
Start at: 2018-06-30 01:47:53
End at: 2018-06-30 01:48:23
Local clock offset: -0.035 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-06-30 03:26:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 796.60 Mbit/s
95th percentile per-packet one-way delay: 225.262 ms
Loss rate: 4.62%
-- Flow 1:
Average throughput: 796.60 Mbit/s
95th percentile per-packet one-way delay: 225.262 ms
Loss rate: 4.62%
```

Run 8: Report of FillP — Data Link

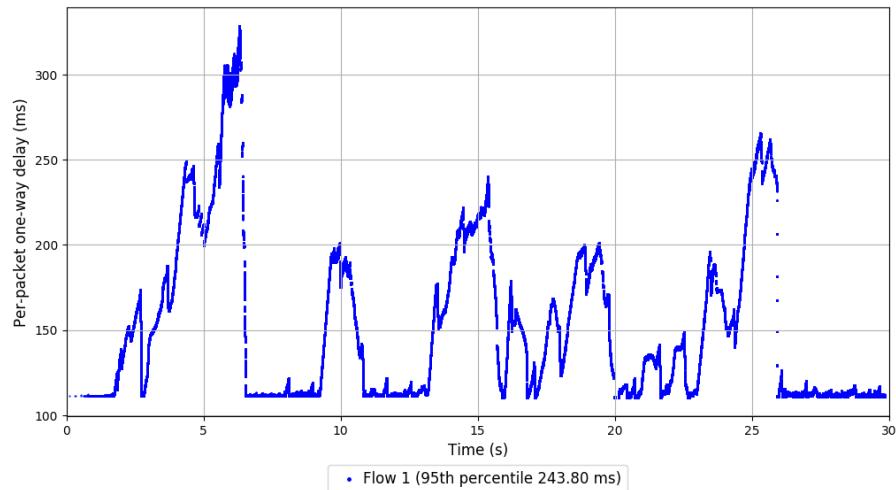
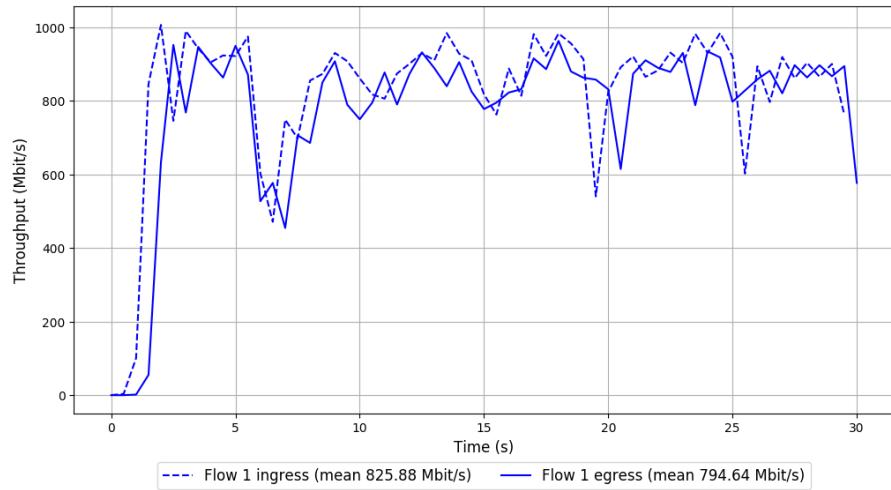


Run 9: Statistics of FillP

```
Start at: 2018-06-30 02:10:15
End at: 2018-06-30 02:10:45
Local clock offset: -0.129 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-06-30 03:37:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 794.64 Mbit/s
95th percentile per-packet one-way delay: 243.804 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 794.64 Mbit/s
95th percentile per-packet one-way delay: 243.804 ms
Loss rate: 4.50%
```

Run 9: Report of FillP — Data Link

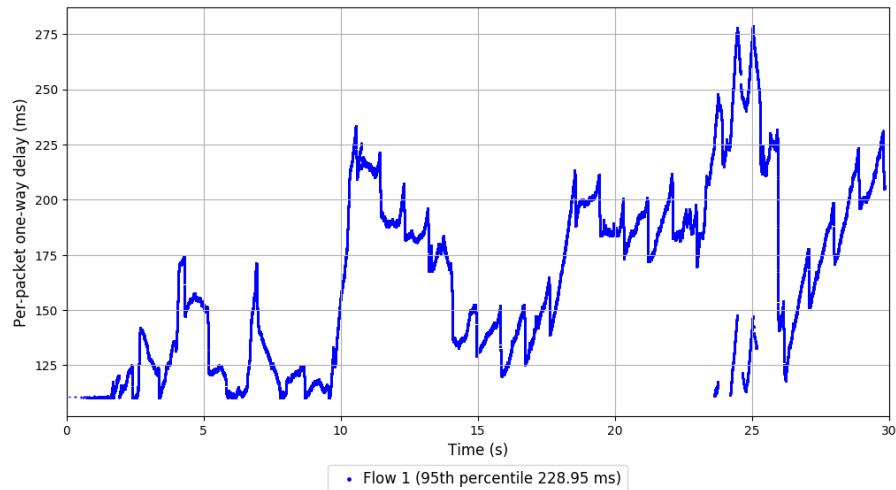
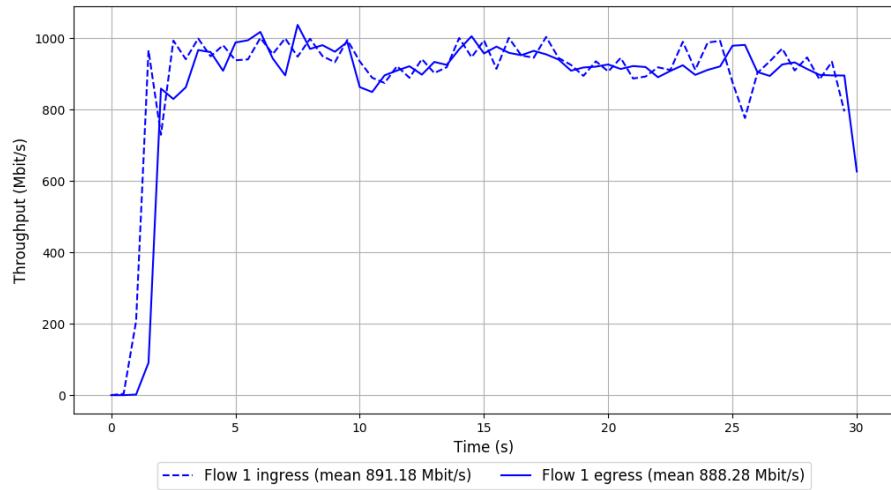


```
Run 10: Statistics of FillP
```

```
Start at: 2018-06-30 02:32:35
End at: 2018-06-30 02:33:06
Local clock offset: -0.21 ms
Remote clock offset: -0.399 ms

# Below is generated by plot.py at 2018-06-30 03:39:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 888.28 Mbit/s
95th percentile per-packet one-way delay: 228.950 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 888.28 Mbit/s
95th percentile per-packet one-way delay: 228.950 ms
Loss rate: 1.07%
```

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

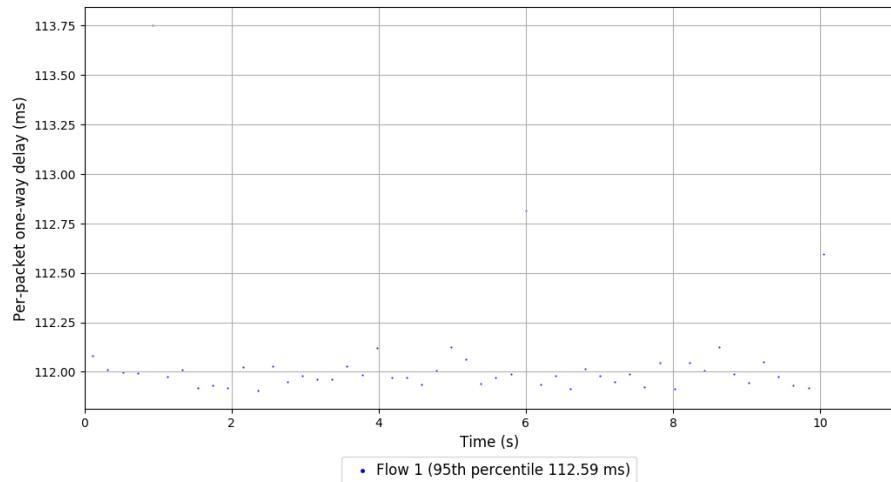
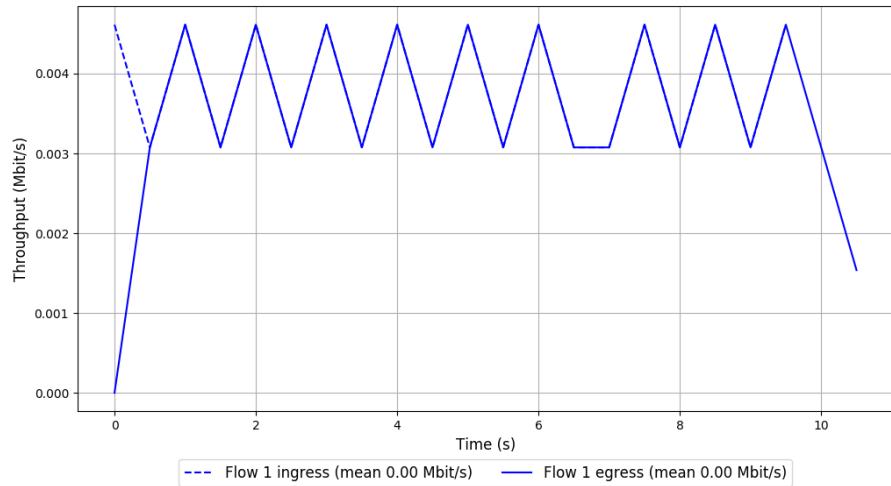
Start at: 2018-06-29 23:16:10

End at: 2018-06-29 23:16:40

Local clock offset: 1.175 ms

Remote clock offset: 0.429 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

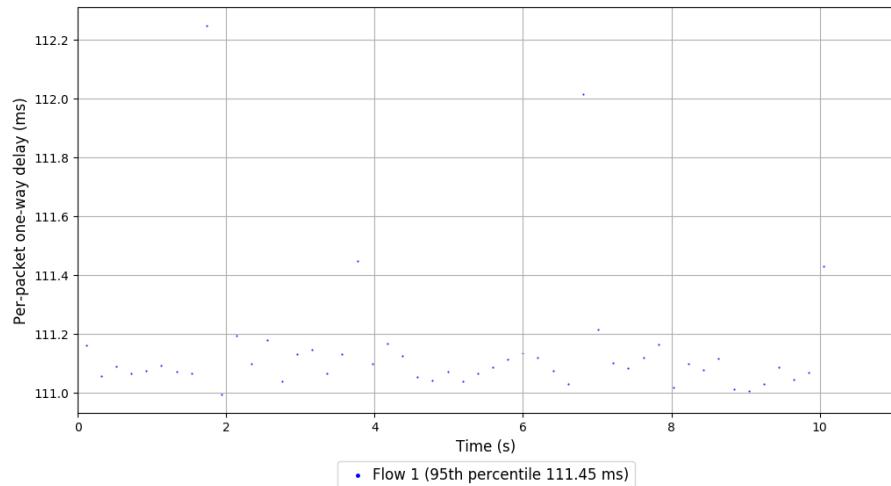
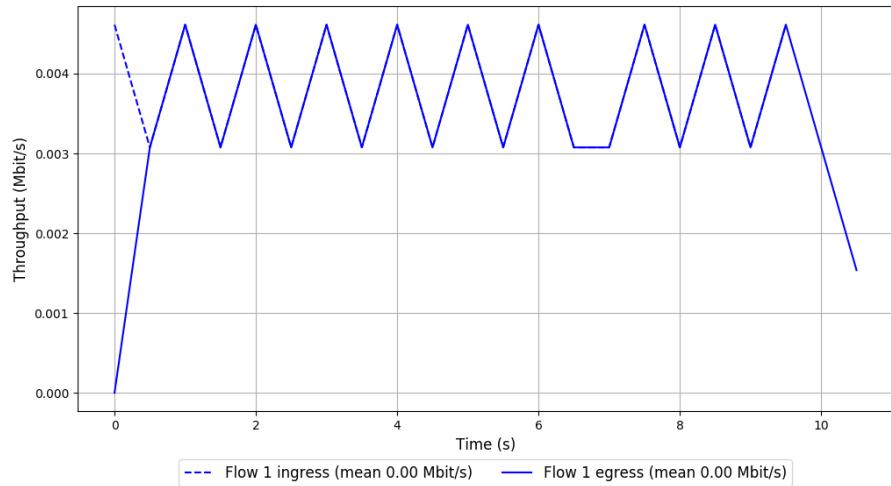
Start at: 2018-06-29 23:38:39

End at: 2018-06-29 23:39:09

Local clock offset: -0.175 ms

Remote clock offset: 0.073 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

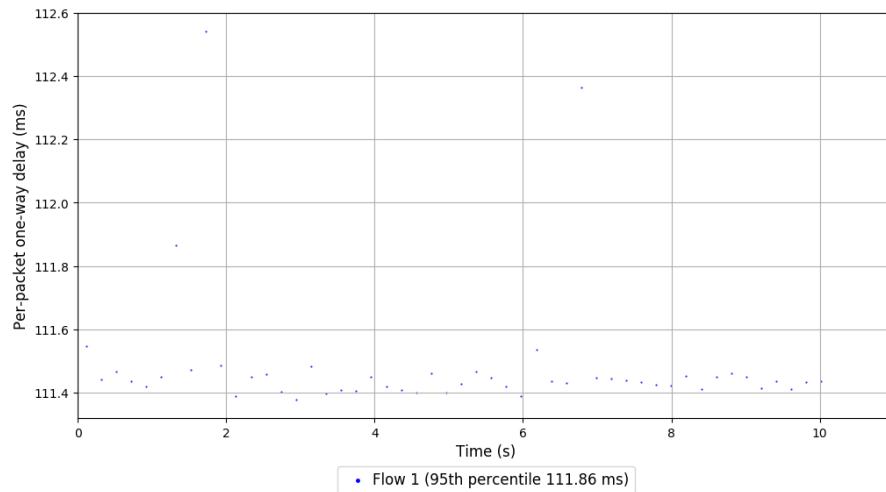
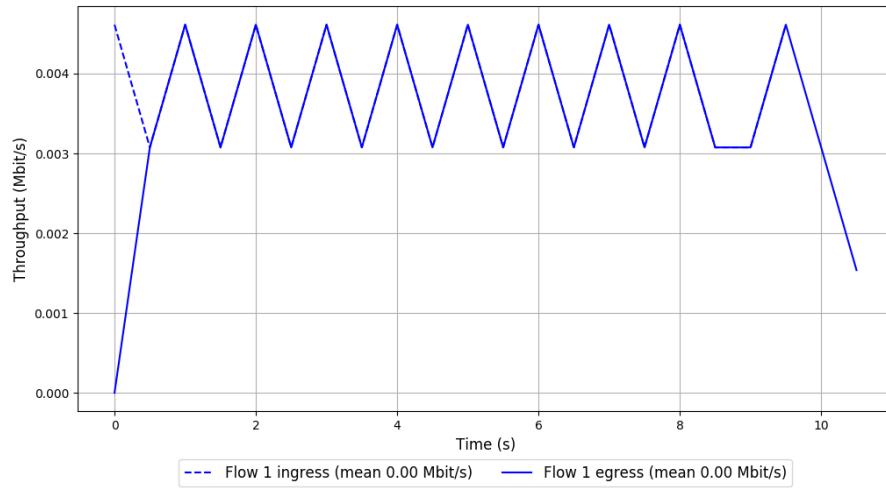
Start at: 2018-06-30 00:01:02

End at: 2018-06-30 00:01:32

Local clock offset: 0.224 ms

Remote clock offset: 0.073 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

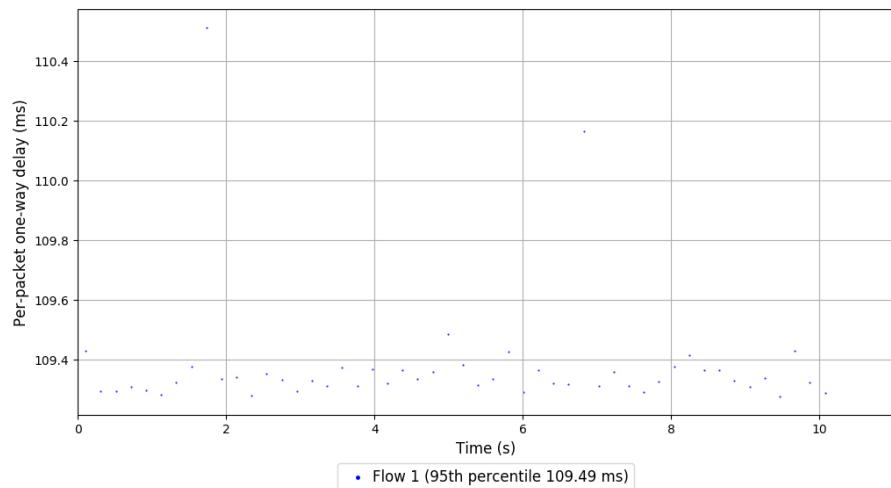
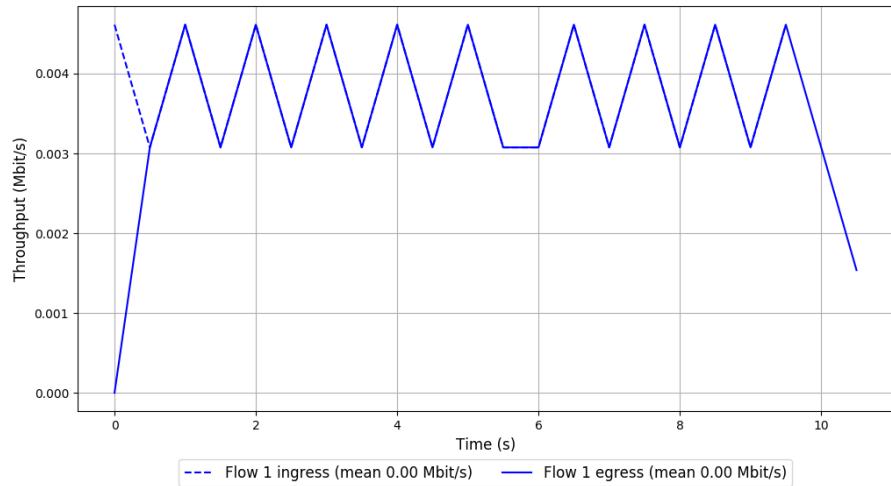
Start at: 2018-06-30 00:23:02

End at: 2018-06-30 00:23:32

Local clock offset: -1.408 ms

Remote clock offset: 0.414 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

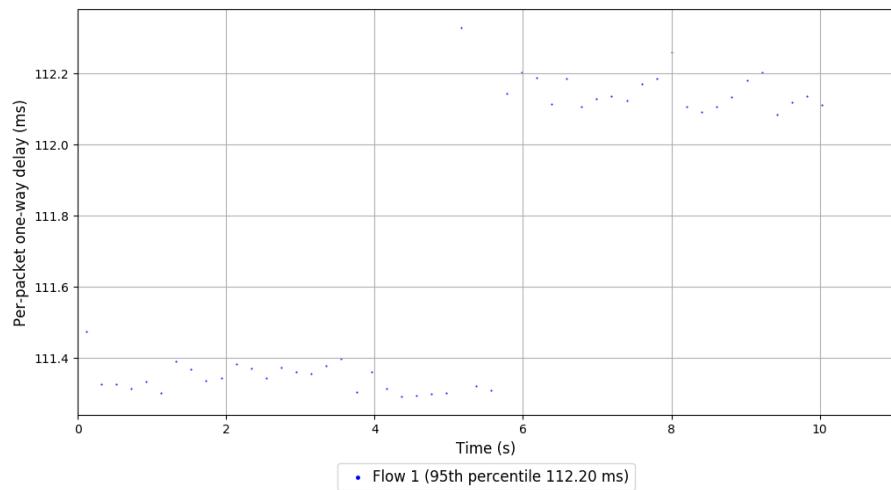
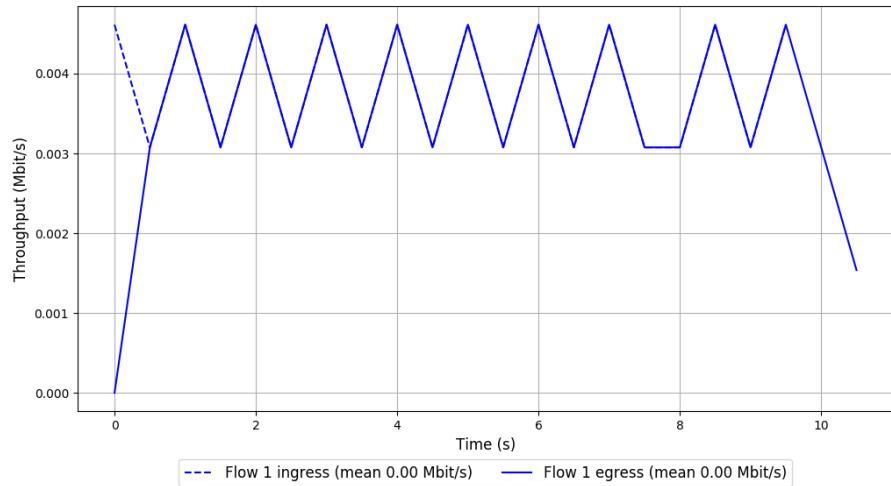
Start at: 2018-06-30 00:45:03

End at: 2018-06-30 00:45:34

Local clock offset: -0.1 ms

Remote clock offset: 0.112 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

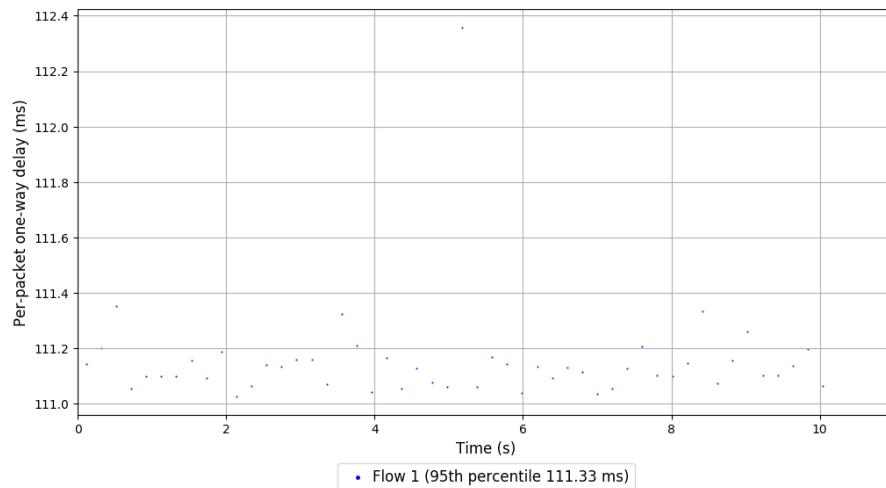
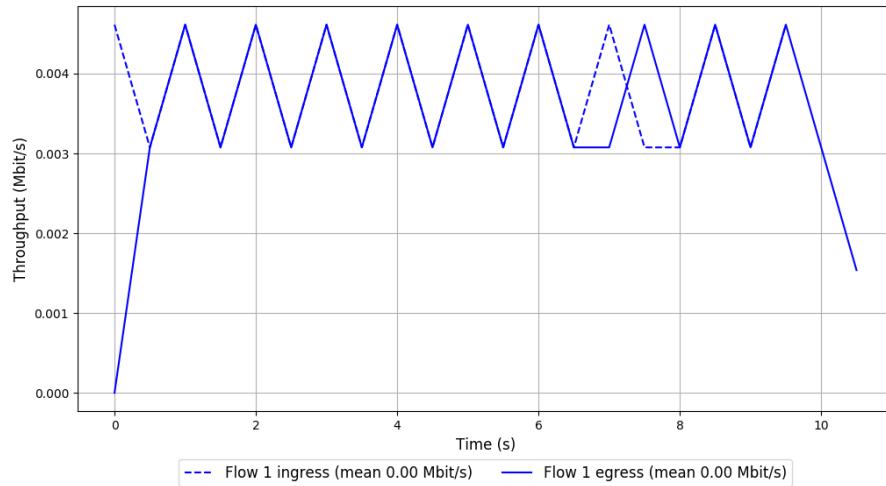
Start at: 2018-06-30 01:07:16

End at: 2018-06-30 01:07:46

Local clock offset: -0.026 ms

Remote clock offset: 0.089 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

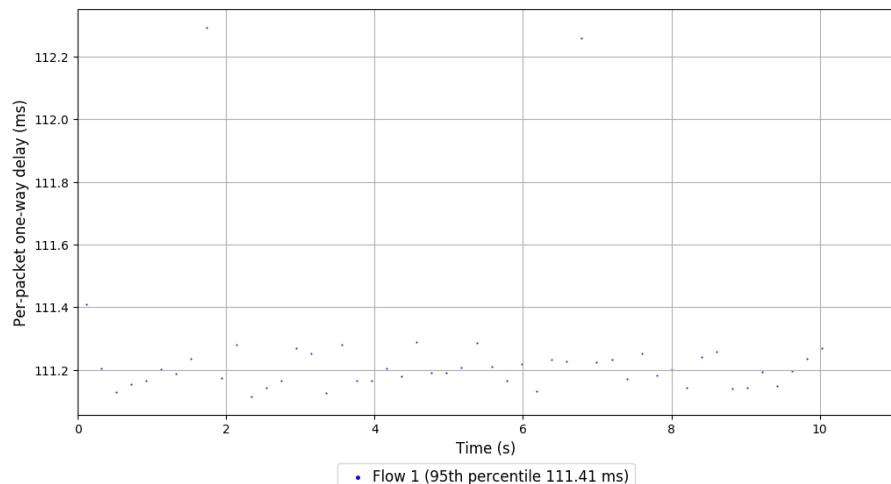
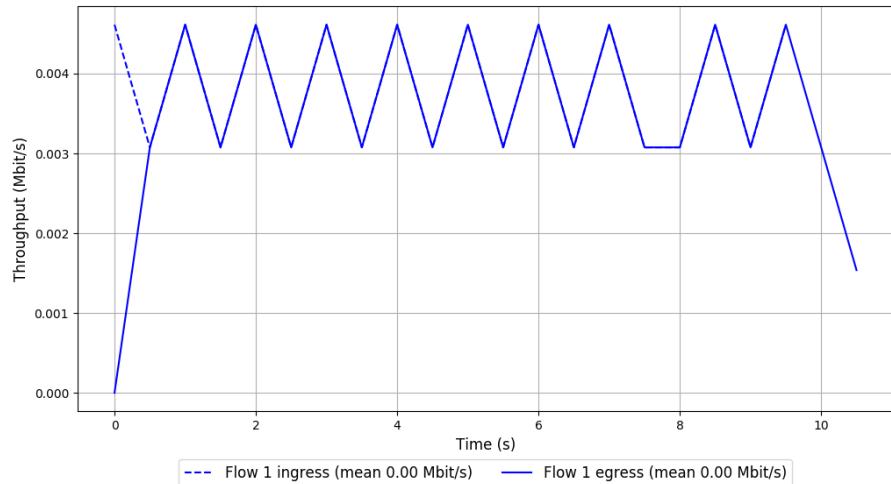
Start at: 2018-06-30 01:29:47

End at: 2018-06-30 01:30:17

Local clock offset: -0.063 ms

Remote clock offset: -0.011 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

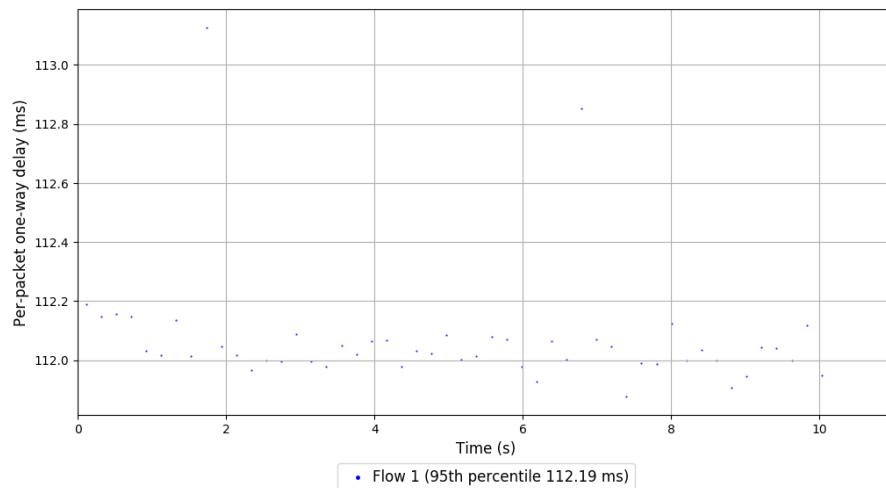
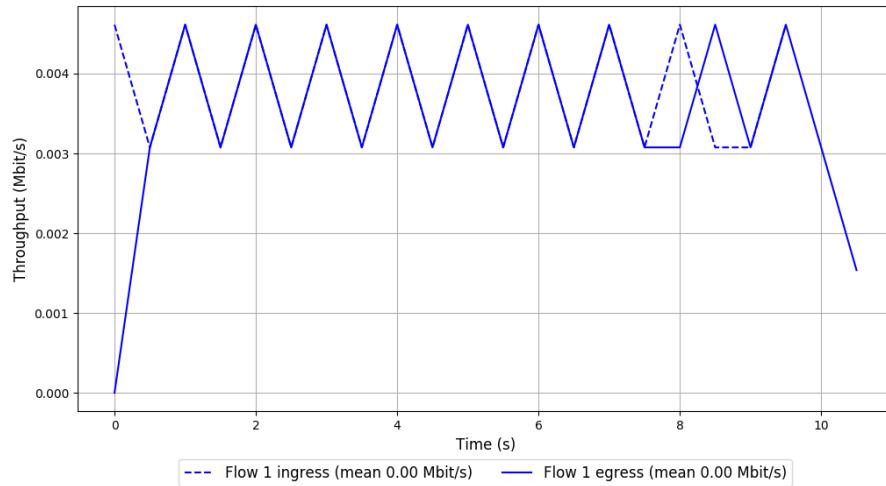
Start at: 2018-06-30 01:52:28

End at: 2018-06-30 01:52:58

Local clock offset: 0.997 ms

Remote clock offset: 0.055 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

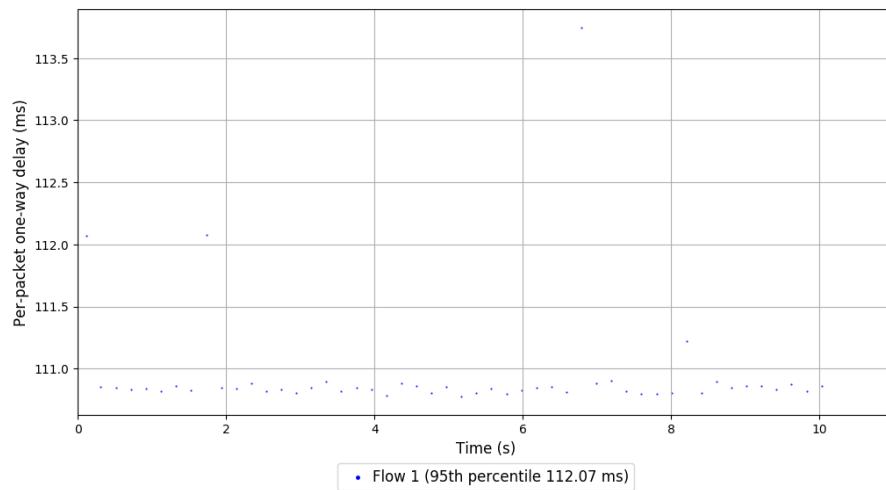
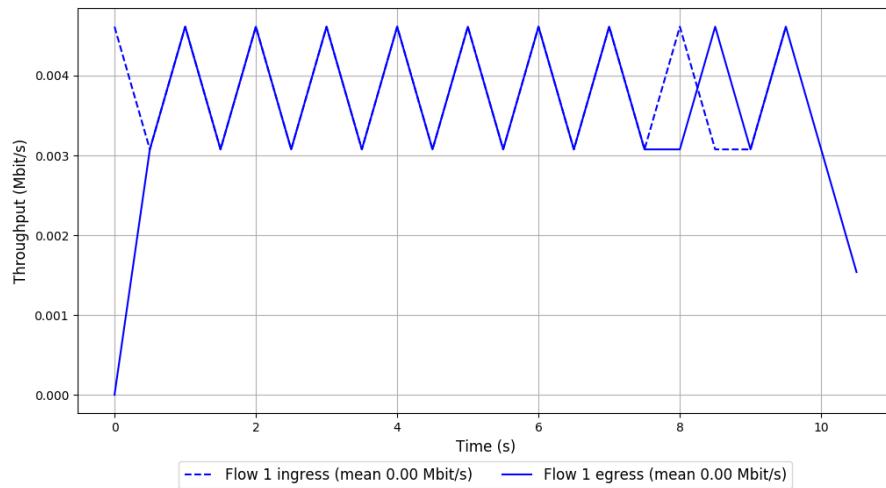
Start at: 2018-06-30 02:14:49

End at: 2018-06-30 02:15:19

Local clock offset: -0.23 ms

Remote clock offset: 0.005 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

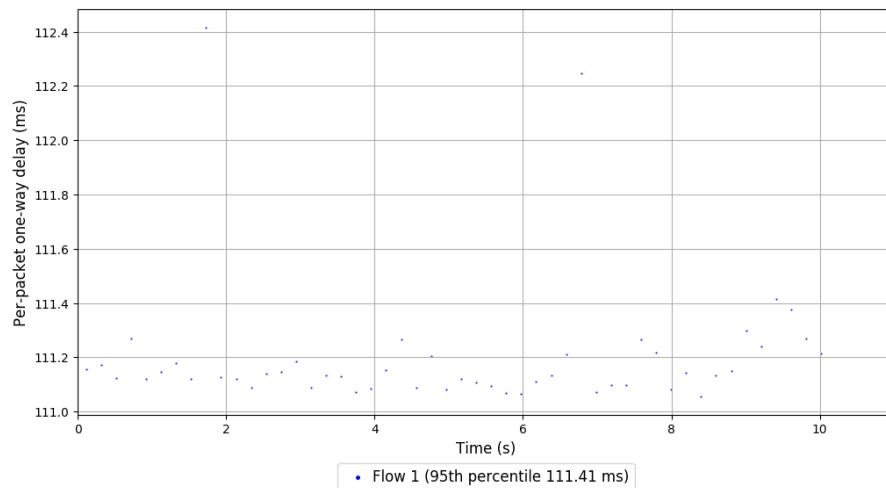
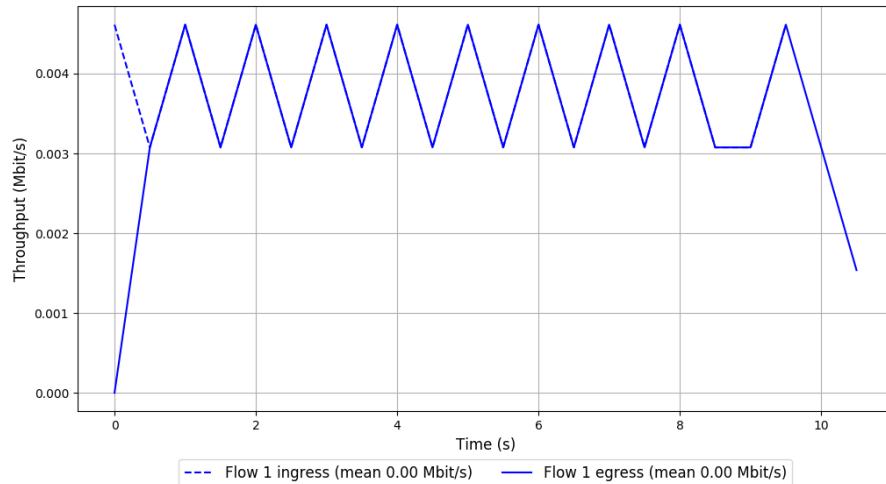
Start at: 2018-06-30 02:37:00

End at: 2018-06-30 02:37:30

Local clock offset: -0.089 ms

Remote clock offset: -0.065 ms

Run 10: Report of FillP-Sheep — Data Link

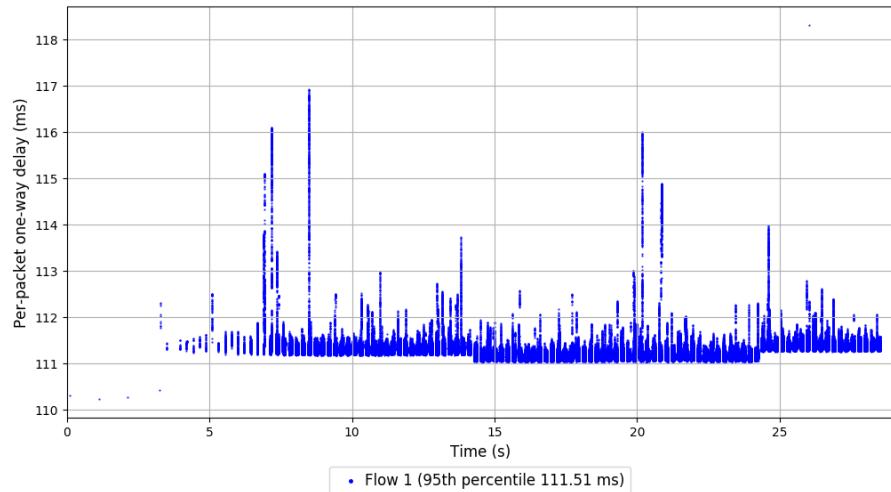
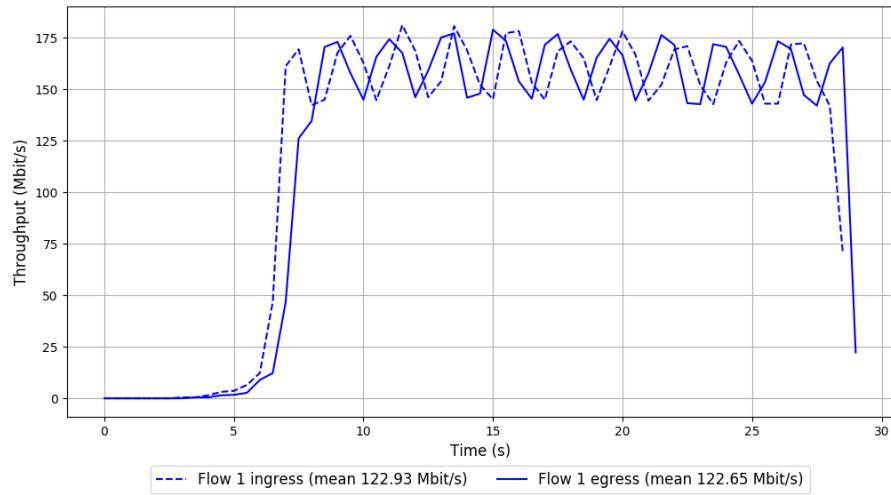


Run 1: Statistics of Indigo

```
Start at: 2018-06-29 23:14:54
End at: 2018-06-29 23:15:24
Local clock offset: -0.195 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-06-30 03:39:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.65 Mbit/s
95th percentile per-packet one-way delay: 111.513 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 122.65 Mbit/s
95th percentile per-packet one-way delay: 111.513 ms
Loss rate: 1.01%
```

Run 1: Report of Indigo — Data Link

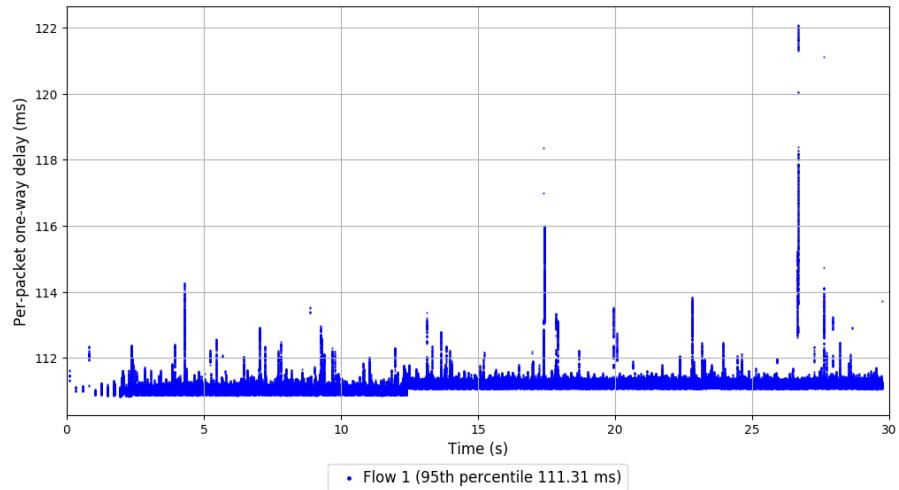
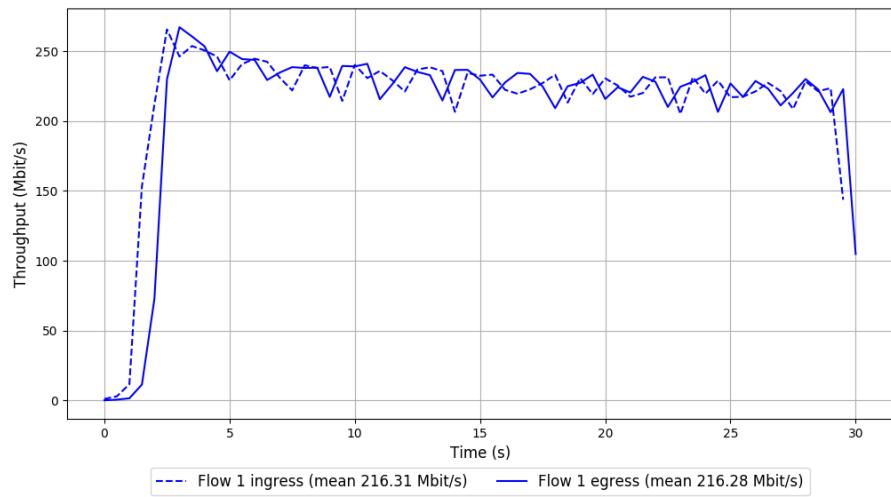


Run 2: Statistics of Indigo

```
Start at: 2018-06-29 23:37:17
End at: 2018-06-29 23:37:47
Local clock offset: -0.181 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.28 Mbit/s
95th percentile per-packet one-way delay: 111.311 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 216.28 Mbit/s
95th percentile per-packet one-way delay: 111.311 ms
Loss rate: 0.75%
```

Run 2: Report of Indigo — Data Link

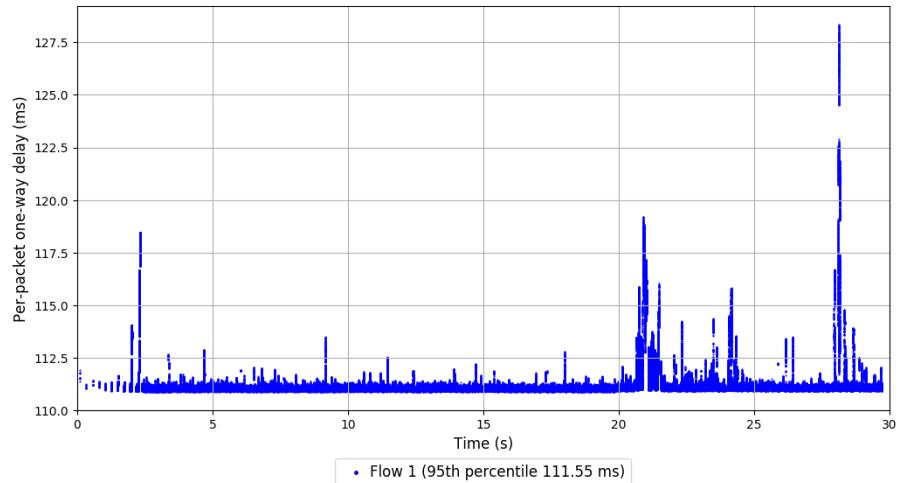
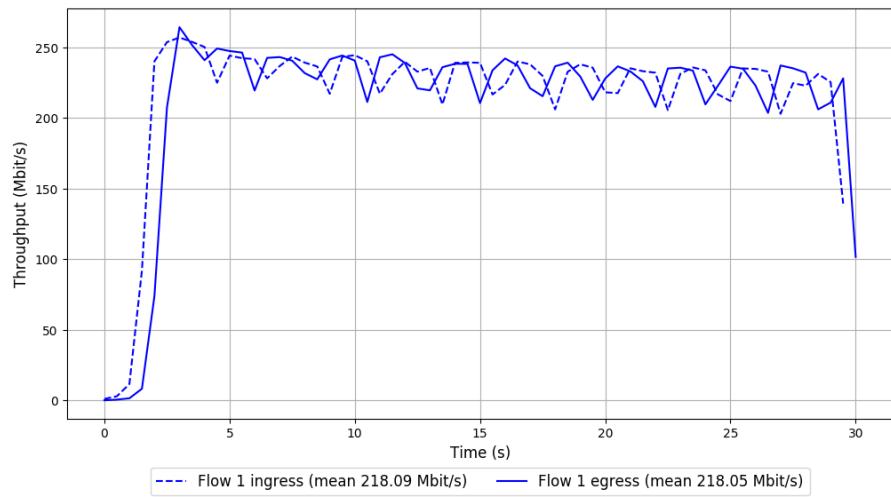


Run 3: Statistics of Indigo

```
Start at: 2018-06-29 23:59:39
End at: 2018-06-30 00:00:09
Local clock offset: -0.019 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.05 Mbit/s
95th percentile per-packet one-way delay: 111.550 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 218.05 Mbit/s
95th percentile per-packet one-way delay: 111.550 ms
Loss rate: 0.76%
```

Run 3: Report of Indigo — Data Link

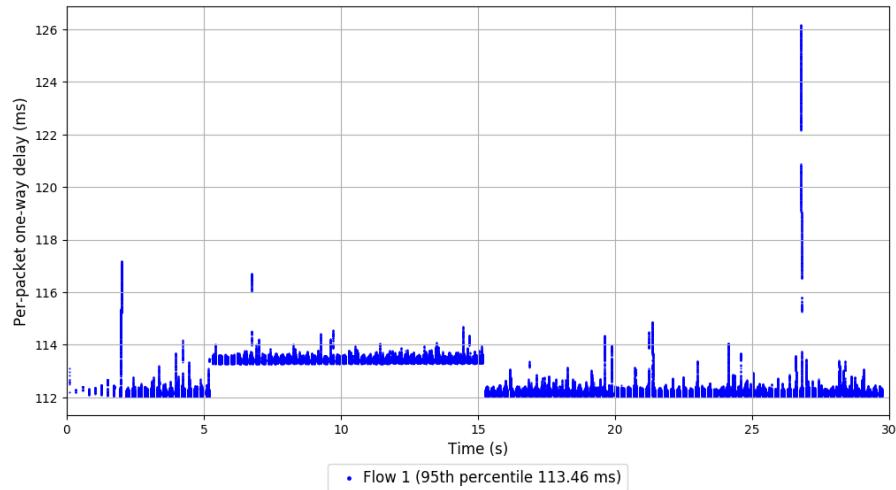
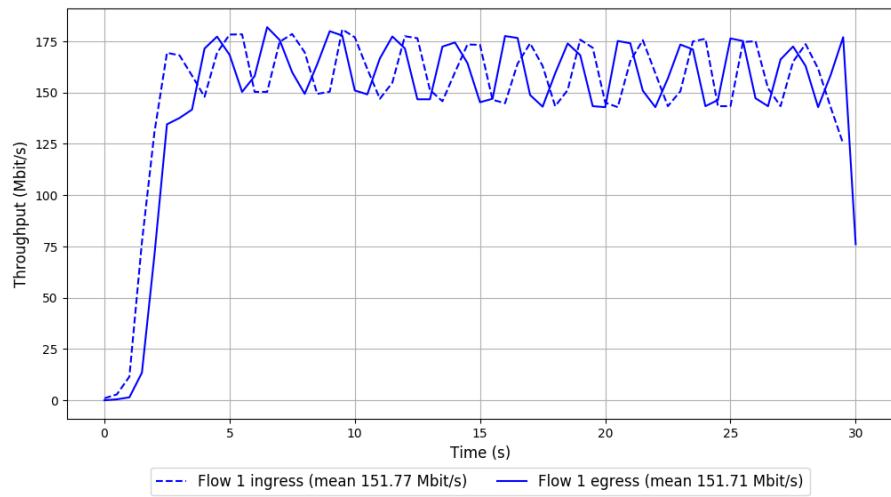


Run 4: Statistics of Indigo

```
Start at: 2018-06-30 00:21:44
End at: 2018-06-30 00:22:14
Local clock offset: 1.239 ms
Remote clock offset: 0.13 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.71 Mbit/s
95th percentile per-packet one-way delay: 113.461 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 151.71 Mbit/s
95th percentile per-packet one-way delay: 113.461 ms
Loss rate: 0.78%
```

Run 4: Report of Indigo — Data Link

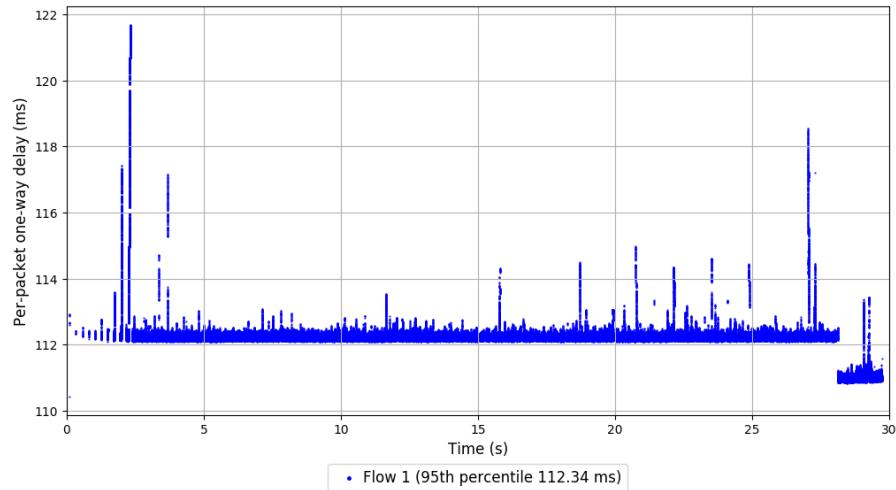
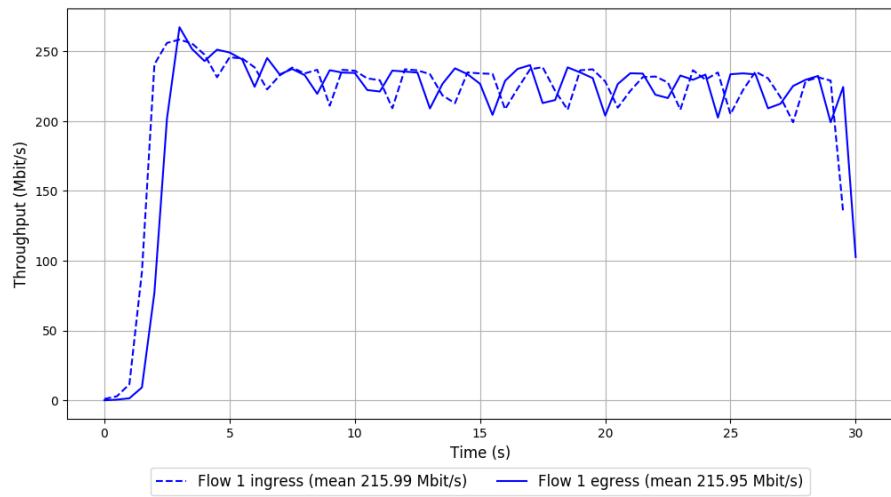


Run 5: Statistics of Indigo

```
Start at: 2018-06-30 00:43:41
End at: 2018-06-30 00:44:11
Local clock offset: 0.026 ms
Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.95 Mbit/s
95th percentile per-packet one-way delay: 112.341 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 215.95 Mbit/s
95th percentile per-packet one-way delay: 112.341 ms
Loss rate: 0.76%
```

Run 5: Report of Indigo — Data Link

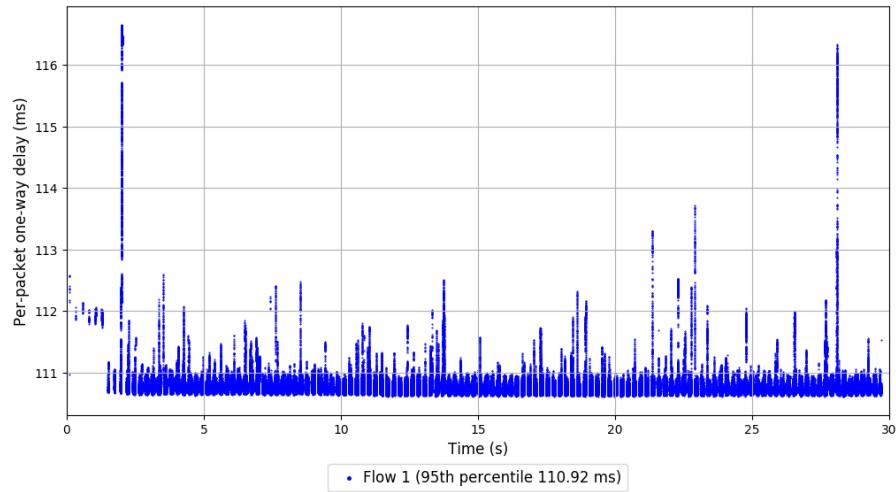
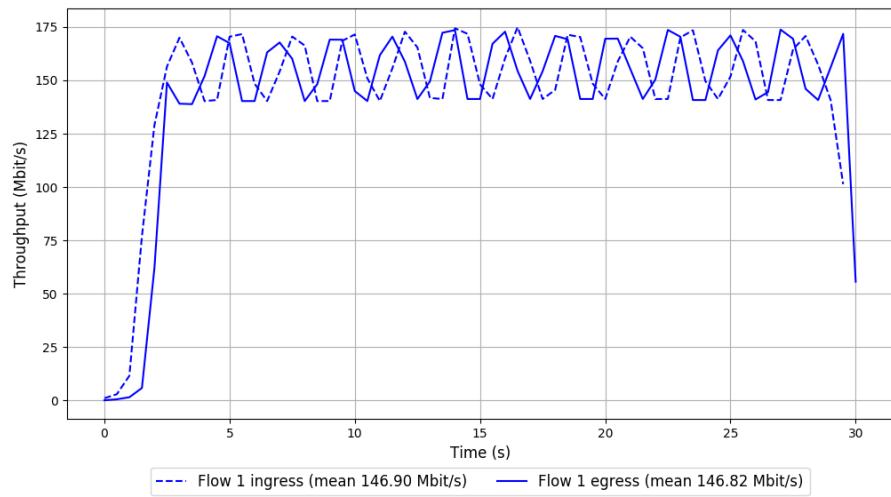


Run 6: Statistics of Indigo

```
Start at: 2018-06-30 01:05:58
End at: 2018-06-30 01:06:28
Local clock offset: -0.368 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.82 Mbit/s
95th percentile per-packet one-way delay: 110.923 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 146.82 Mbit/s
95th percentile per-packet one-way delay: 110.923 ms
Loss rate: 0.80%
```

Run 6: Report of Indigo — Data Link

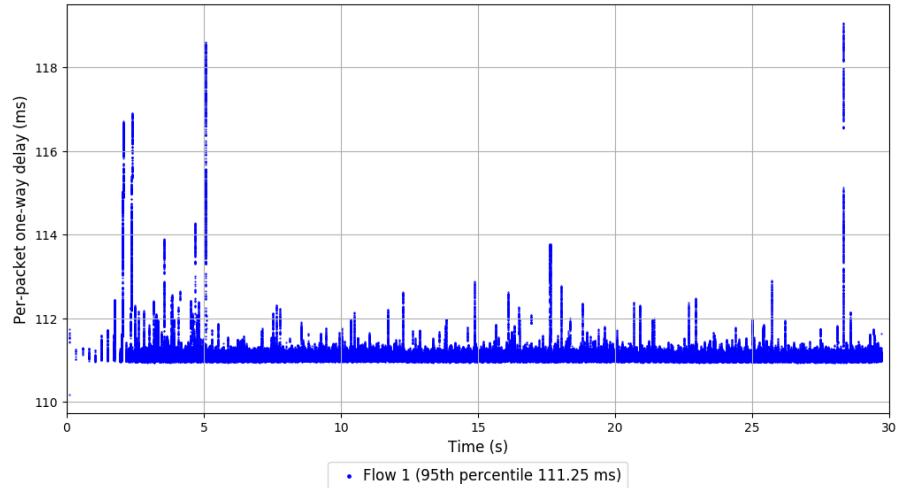
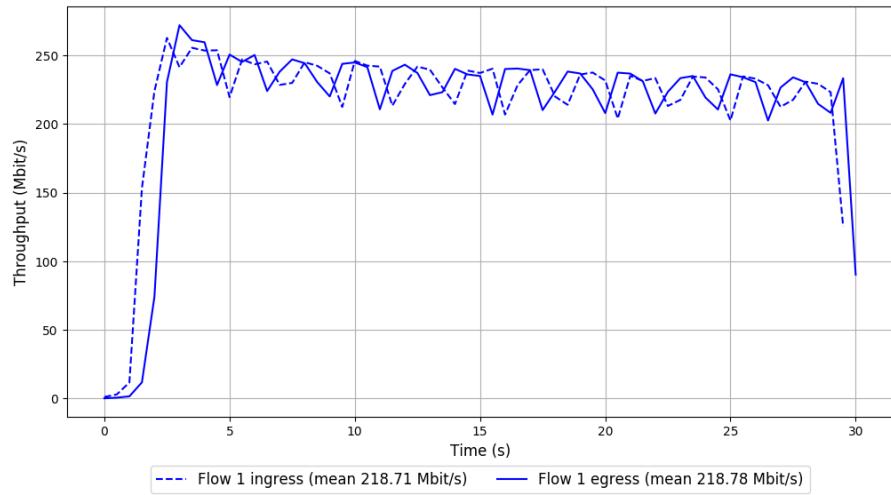


Run 7: Statistics of Indigo

```
Start at: 2018-06-30 01:28:25
End at: 2018-06-30 01:28:55
Local clock offset: -0.049 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.78 Mbit/s
95th percentile per-packet one-way delay: 111.245 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 218.78 Mbit/s
95th percentile per-packet one-way delay: 111.245 ms
Loss rate: 0.71%
```

Run 7: Report of Indigo — Data Link

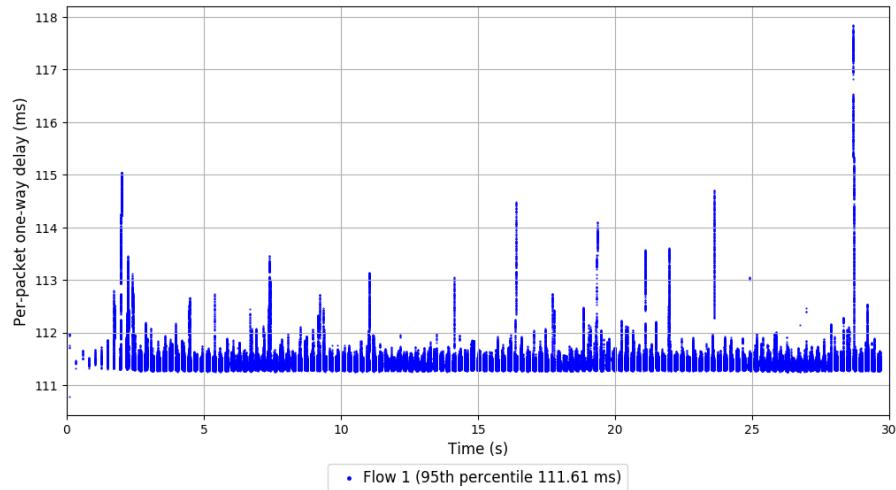
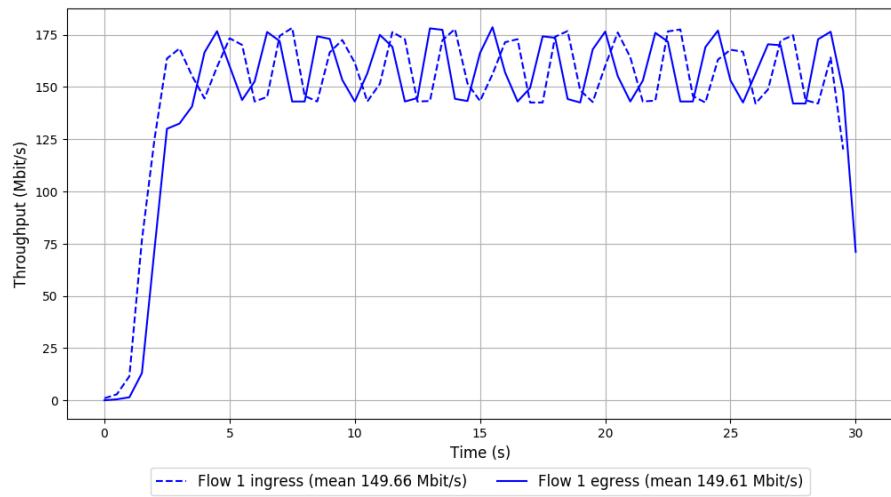


Run 8: Statistics of Indigo

```
Start at: 2018-06-30 01:51:10
End at: 2018-06-30 01:51:40
Local clock offset: -0.114 ms
Remote clock offset: -0.349 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.61 Mbit/s
95th percentile per-packet one-way delay: 111.612 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 149.61 Mbit/s
95th percentile per-packet one-way delay: 111.612 ms
Loss rate: 0.80%
```

Run 8: Report of Indigo — Data Link

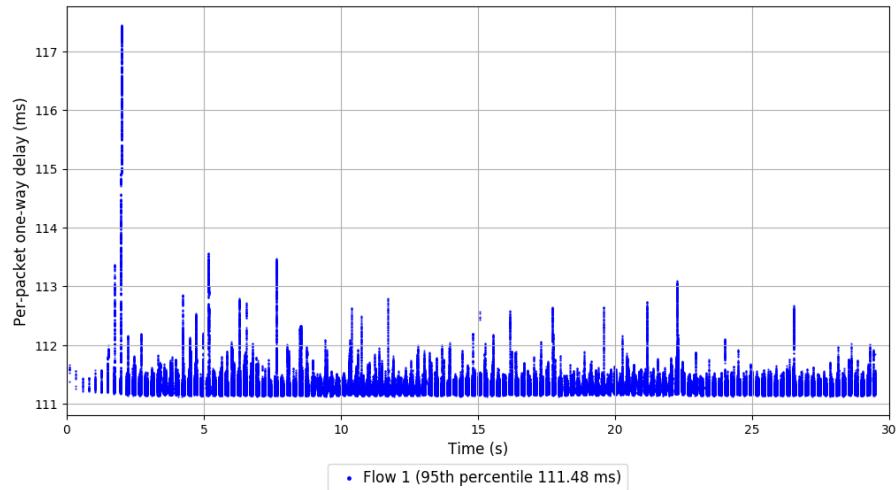
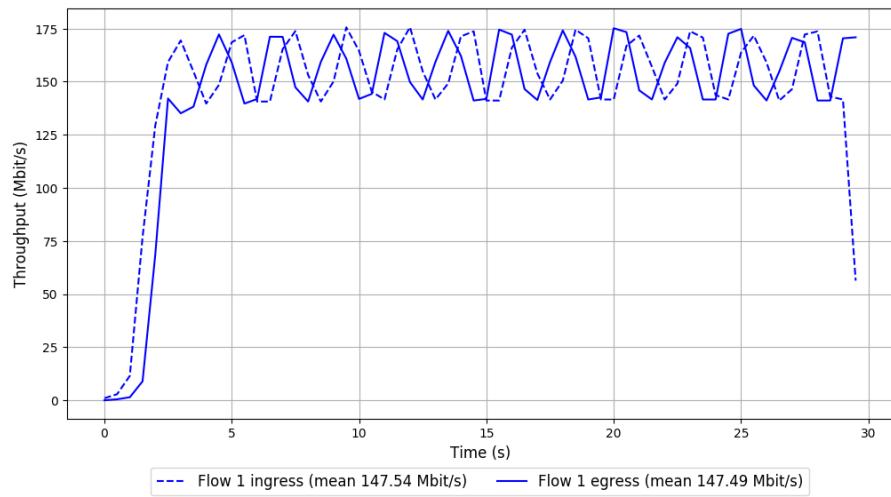


Run 9: Statistics of Indigo

```
Start at: 2018-06-30 02:13:31
End at: 2018-06-30 02:14:01
Local clock offset: 0.113 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.49 Mbit/s
95th percentile per-packet one-way delay: 111.481 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 147.49 Mbit/s
95th percentile per-packet one-way delay: 111.481 ms
Loss rate: 0.78%
```

Run 9: Report of Indigo — Data Link

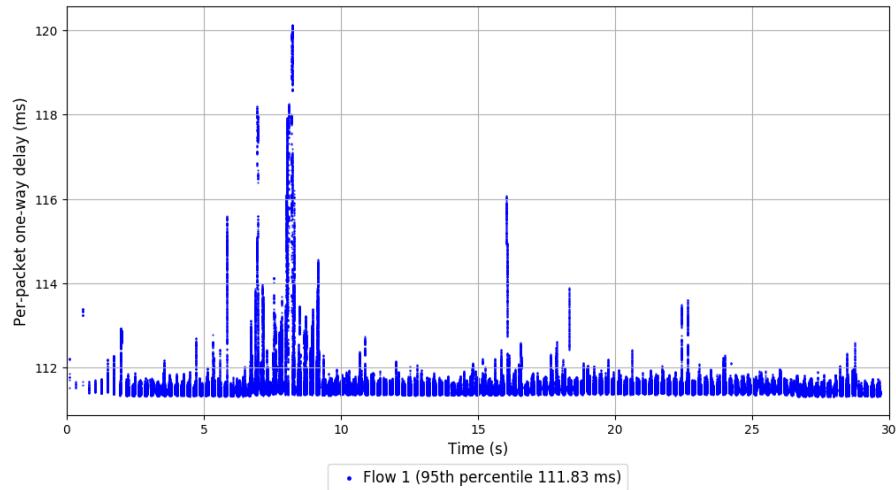
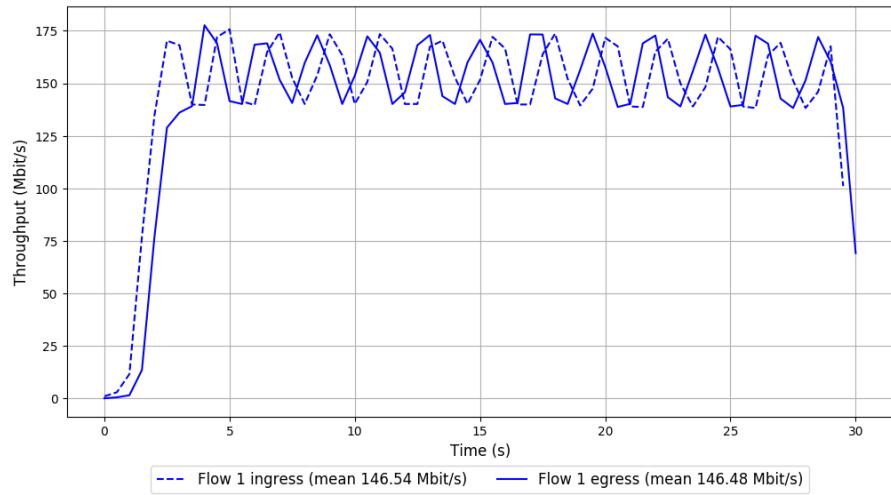


Run 10: Statistics of Indigo

```
Start at: 2018-06-30 02:35:42
End at: 2018-06-30 02:36:12
Local clock offset: -0.008 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.48 Mbit/s
95th percentile per-packet one-way delay: 111.826 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 146.48 Mbit/s
95th percentile per-packet one-way delay: 111.826 ms
Loss rate: 0.79%
```

Run 10: Report of Indigo — Data Link

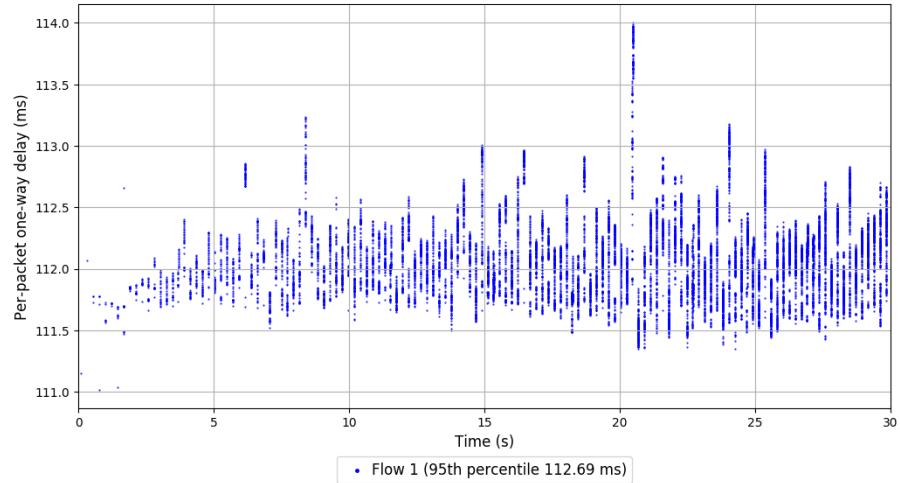
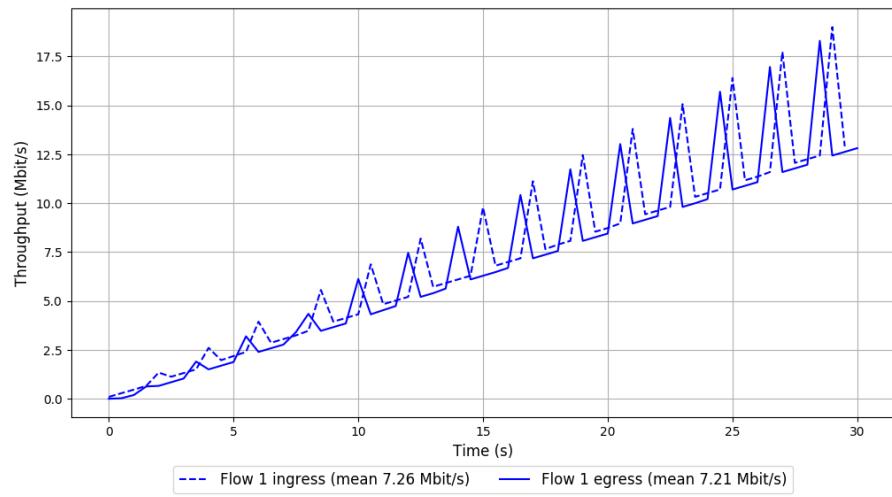


Run 1: Statistics of LEDBAT

```
Start at: 2018-06-29 23:09:30
End at: 2018-06-29 23:10:00
Local clock offset: -0.032 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 112.690 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 112.690 ms
Loss rate: 1.49%
```

Run 1: Report of LEDBAT — Data Link

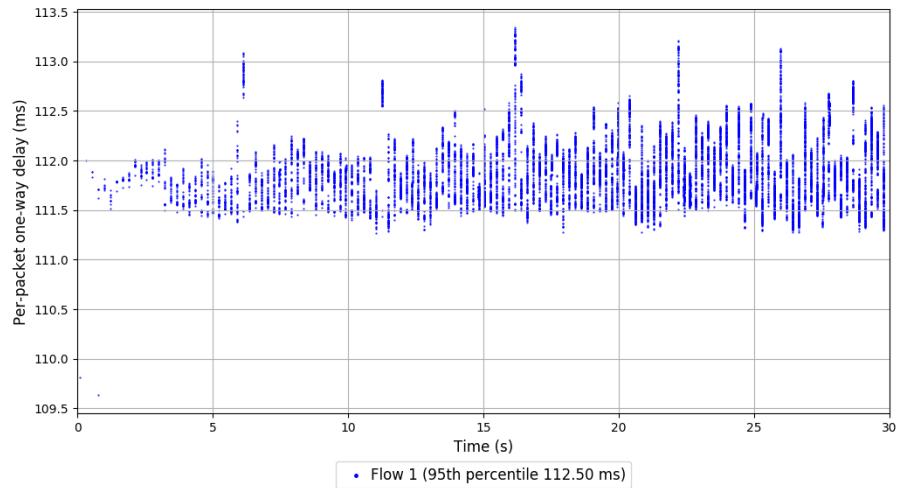
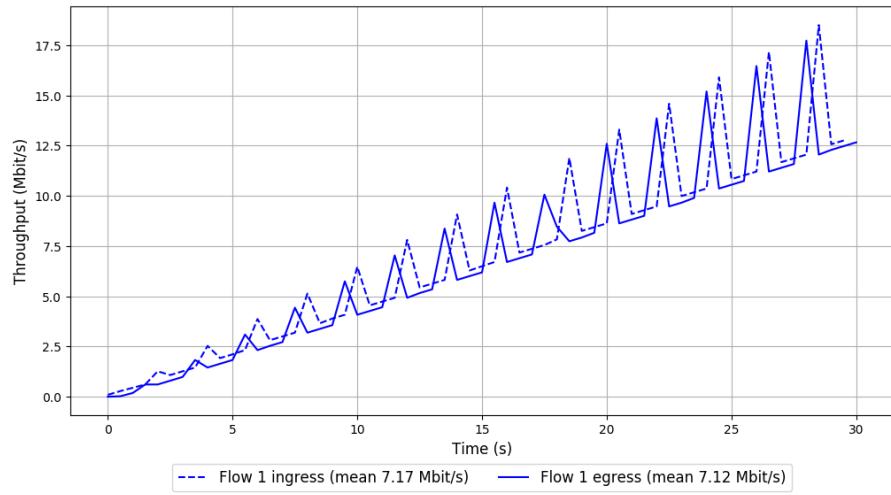


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-29 23:31:46
End at: 2018-06-29 23:32:16
Local clock offset: 0.197 ms
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 112.495 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 112.495 ms
Loss rate: 1.49%
```

Run 2: Report of LEDBAT — Data Link

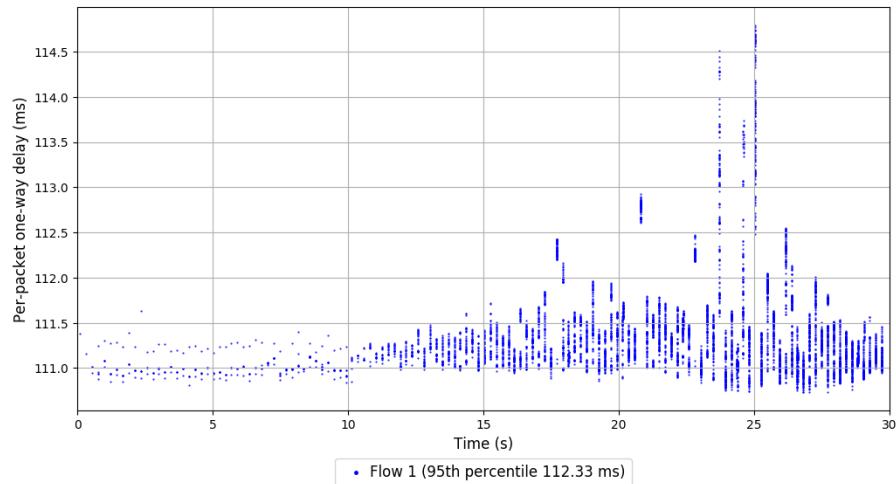
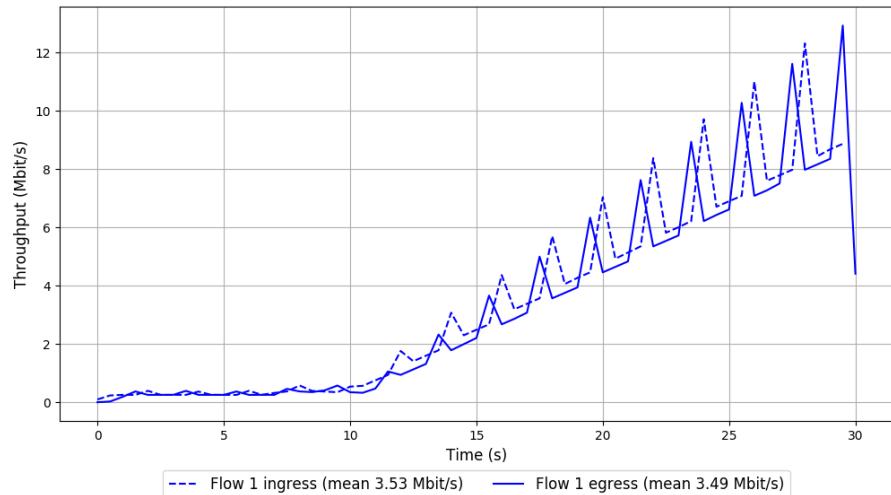


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-29 23:54:09
End at: 2018-06-29 23:54:39
Local clock offset: -0.215 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 112.333 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 112.333 ms
Loss rate: 2.11%
```

Run 3: Report of LEDBAT — Data Link

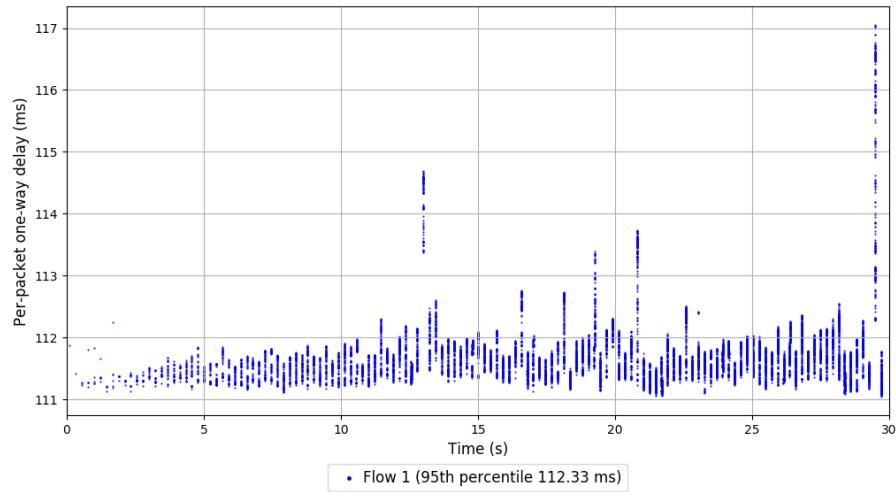
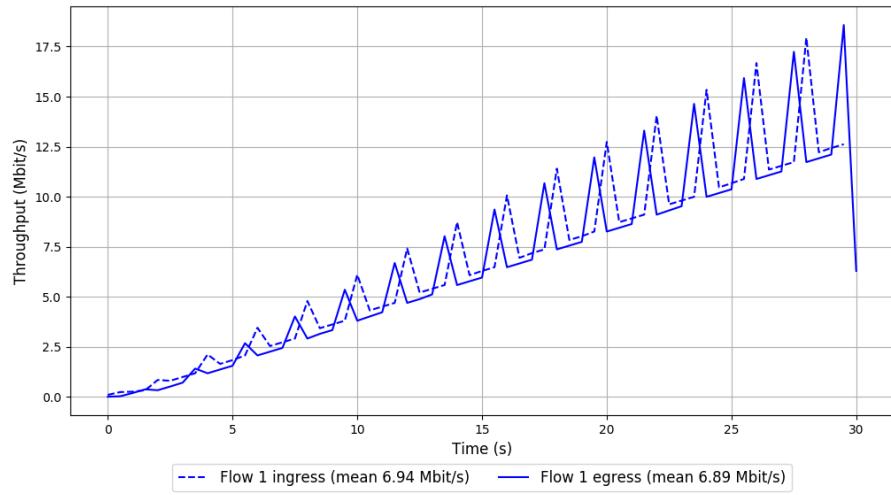


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-30 00:16:18
End at: 2018-06-30 00:16:48
Local clock offset: 0.128 ms
Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 112.332 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 112.332 ms
Loss rate: 1.53%
```

Run 4: Report of LEDBAT — Data Link

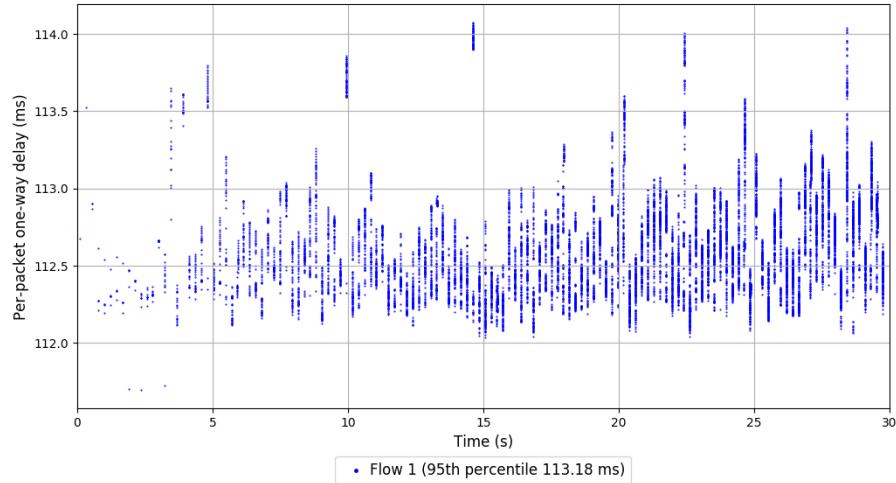
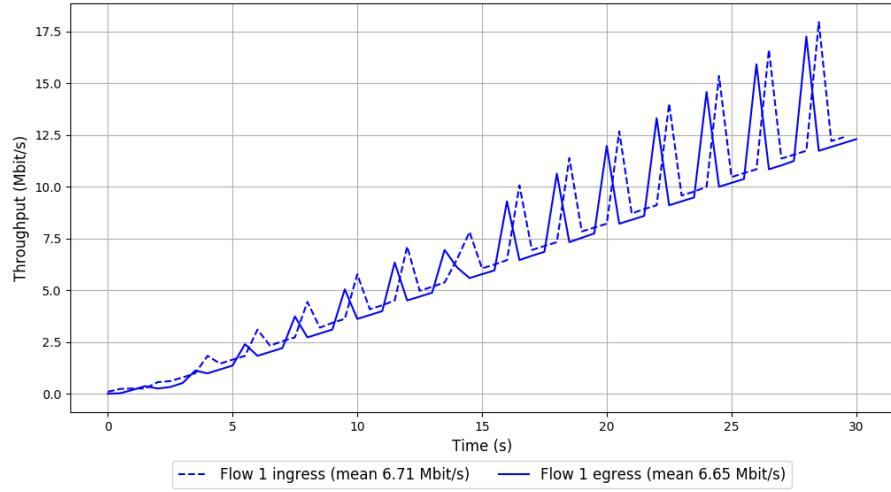


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-30 00:38:08
End at: 2018-06-30 00:38:38
Local clock offset: 1.229 ms
Remote clock offset: 0.123 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 113.176 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 113.176 ms
Loss rate: 1.55%
```

Run 5: Report of LEDBAT — Data Link

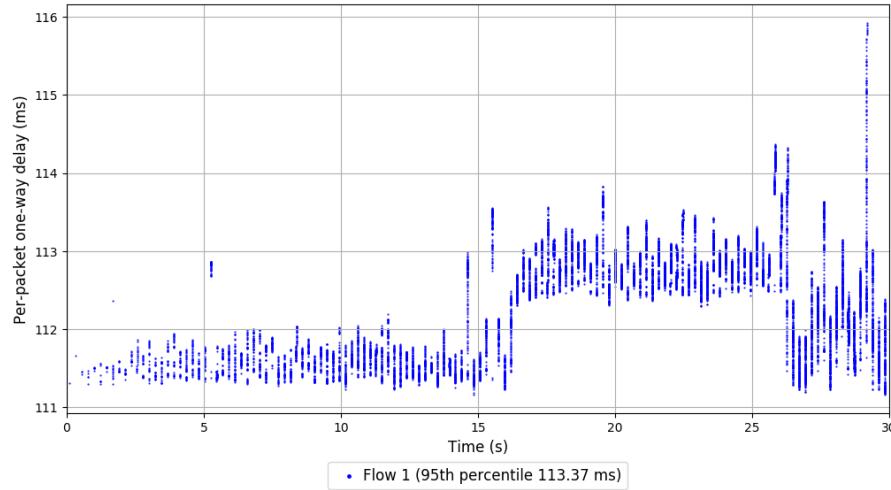
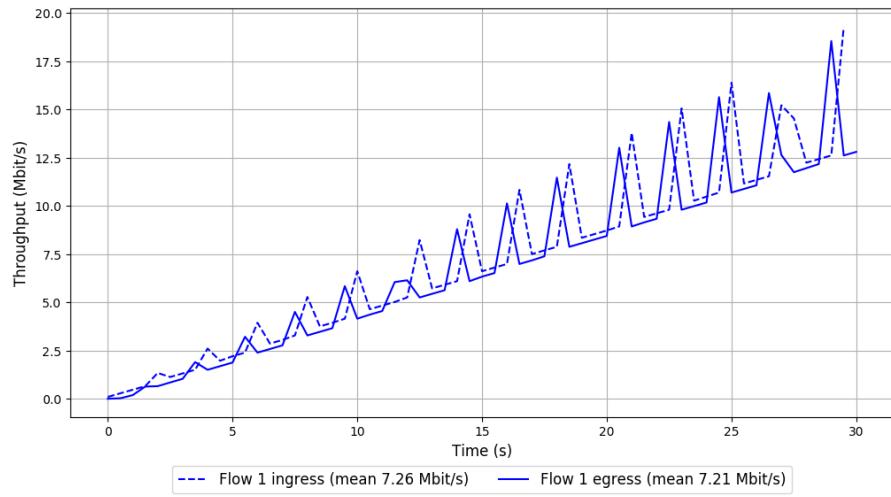


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-30 01:00:33
End at: 2018-06-30 01:01:03
Local clock offset: 0.218 ms
Remote clock offset: 0.128 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 113.368 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 113.368 ms
Loss rate: 1.49%
```

Run 6: Report of LEDBAT — Data Link

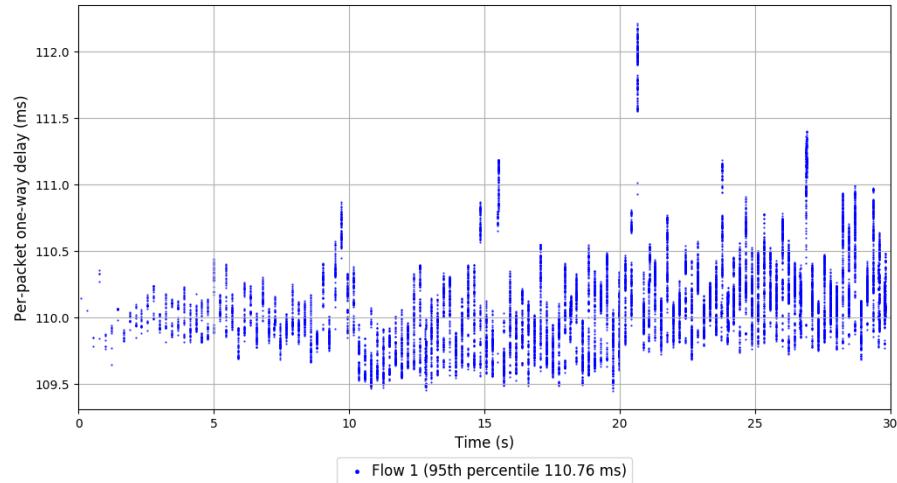
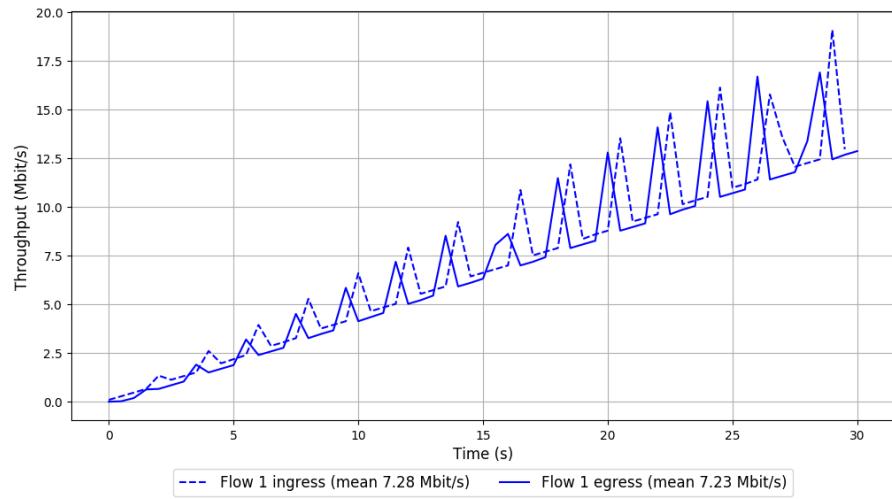


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-30 01:22:49
End at: 2018-06-30 01:23:19
Local clock offset: -1.418 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 110.761 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 110.761 ms
Loss rate: 1.49%
```

Run 7: Report of LEDBAT — Data Link

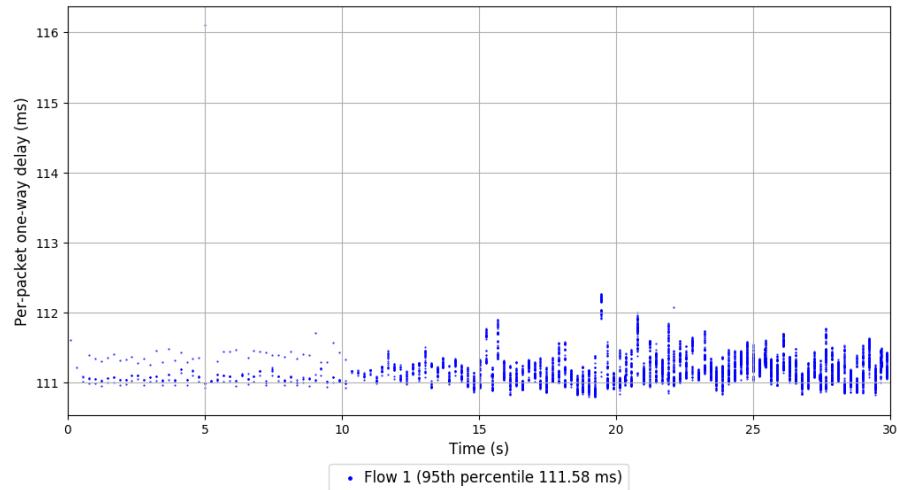
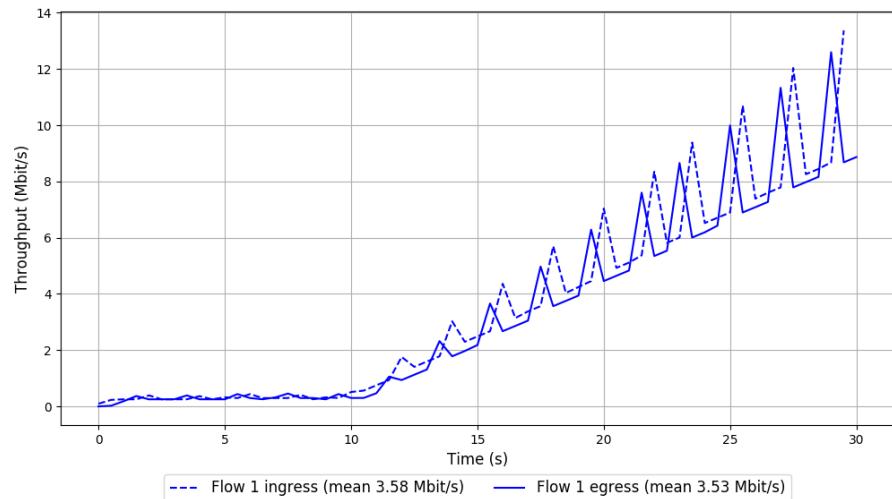


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-30 01:45:33
End at: 2018-06-30 01:46:03
Local clock offset: 0.144 ms
Remote clock offset: 0.409 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 111.579 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 111.579 ms
Loss rate: 2.10%
```

Run 8: Report of LEDBAT — Data Link

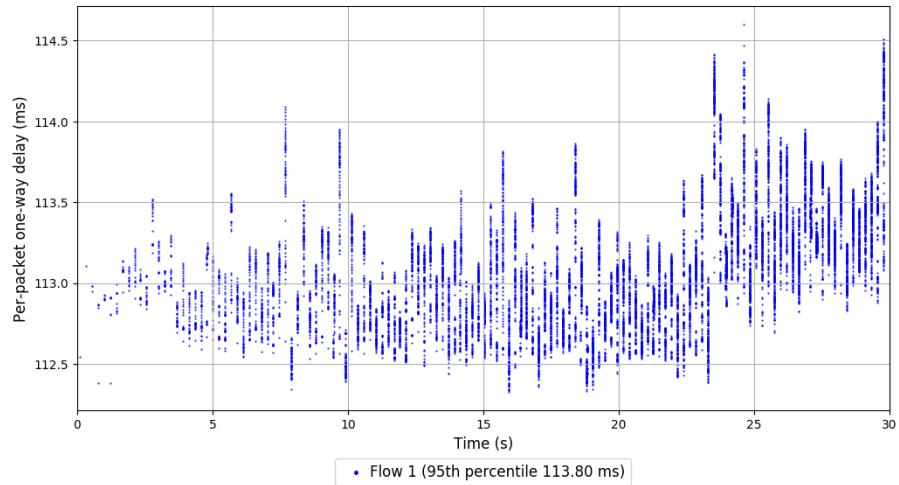
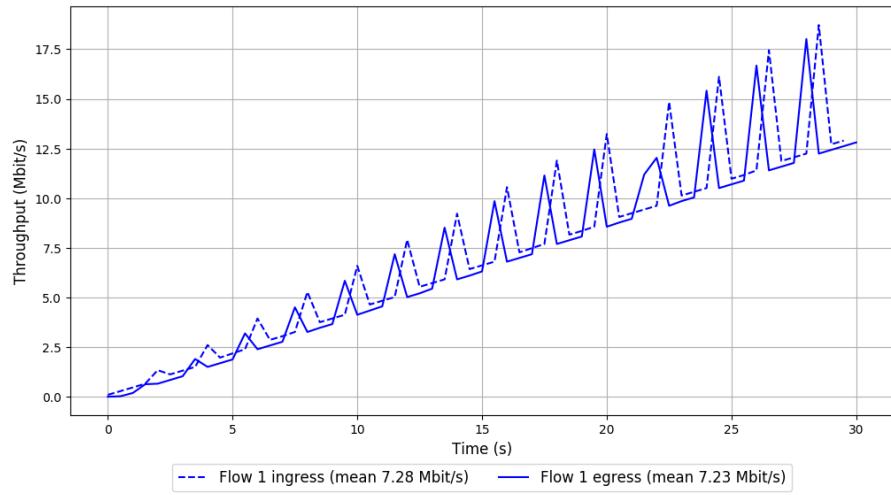


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-30 02:07:56
End at: 2018-06-30 02:08:26
Local clock offset: 1.337 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 113.803 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 113.803 ms
Loss rate: 1.49%
```

Run 9: Report of LEDBAT — Data Link

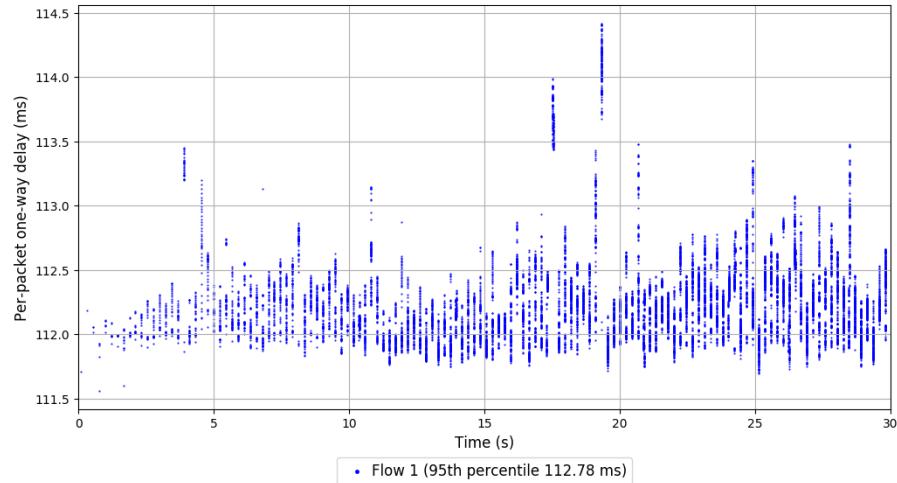
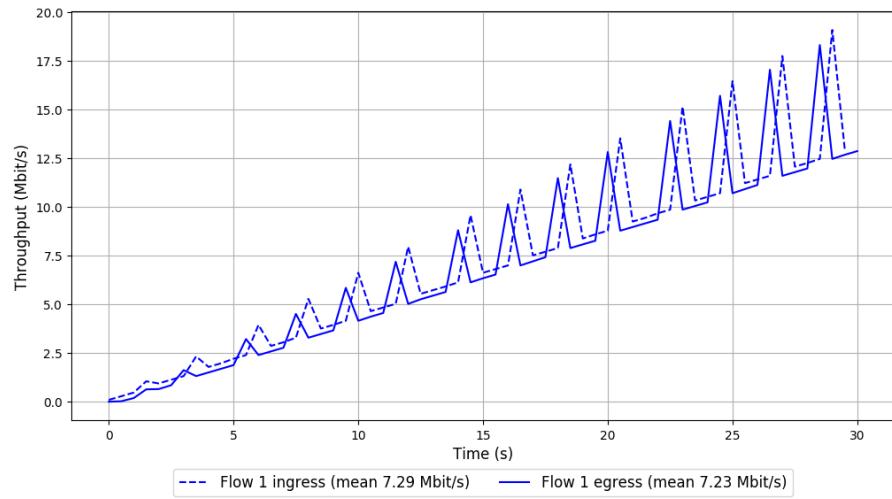


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-30 02:30:20
End at: 2018-06-30 02:30:50
Local clock offset: 0.01 ms
Remote clock offset: -0.351 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 1.49%
```

Run 10: Report of LEDBAT — Data Link

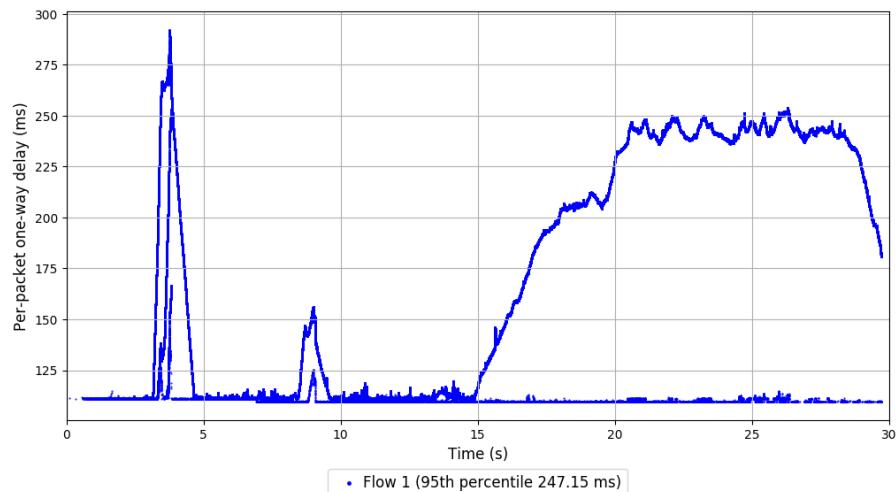
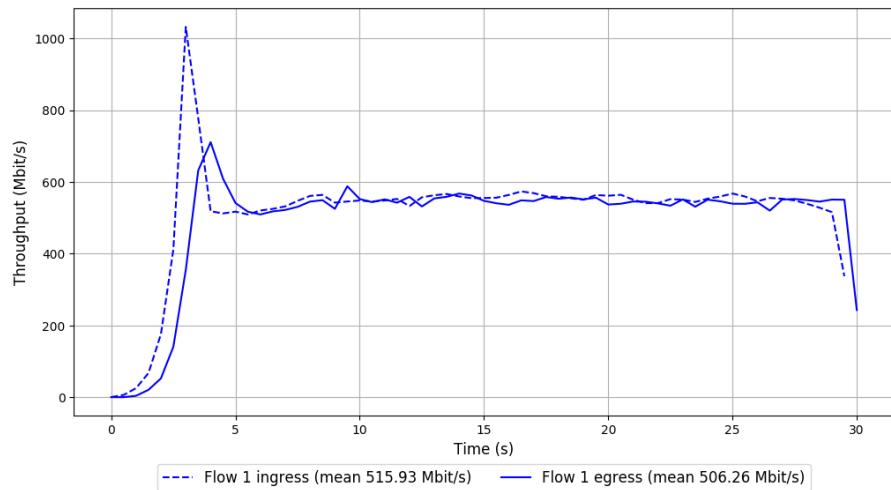


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-29 23:03:52
End at: 2018-06-29 23:04:22
Local clock offset: -0.006 ms
Remote clock offset: 0.451 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 506.26 Mbit/s
95th percentile per-packet one-way delay: 247.152 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 506.26 Mbit/s
95th percentile per-packet one-way delay: 247.152 ms
Loss rate: 2.61%
```

Run 1: Report of PCC-Allegro — Data Link

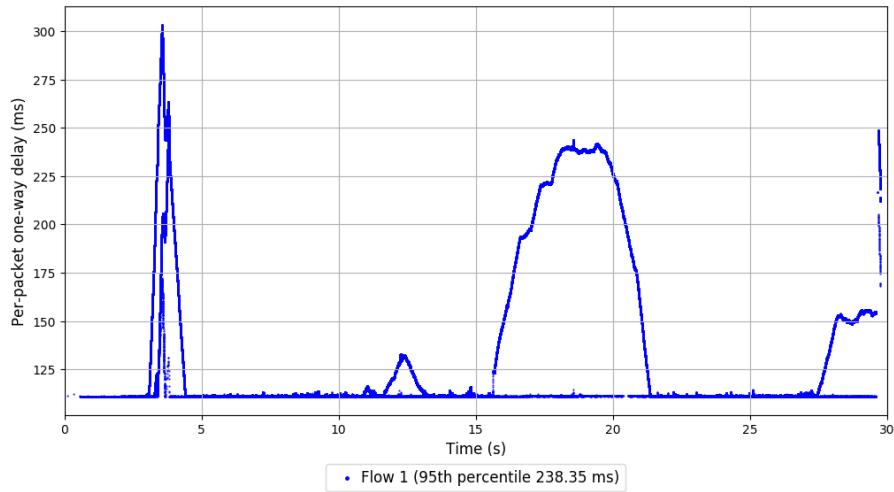
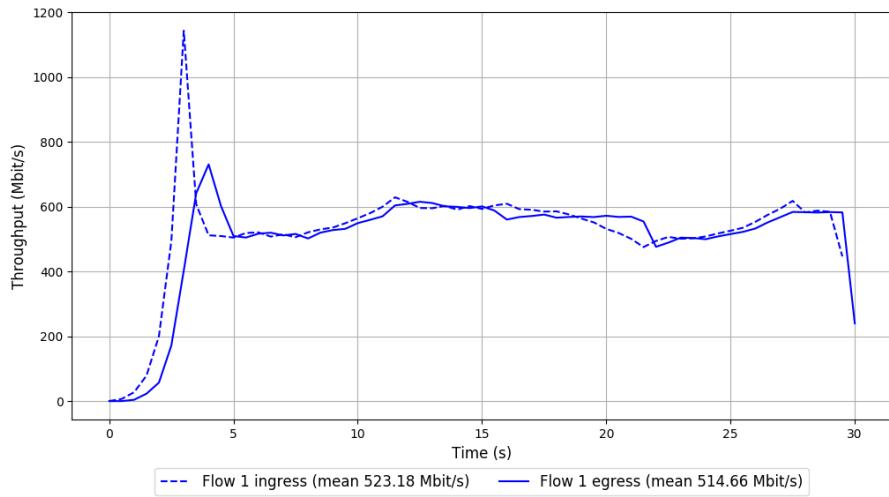


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-29 23:26:02
End at: 2018-06-29 23:26:32
Local clock offset: -0.056 ms
Remote clock offset: 0.101 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 514.66 Mbit/s
95th percentile per-packet one-way delay: 238.350 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 514.66 Mbit/s
95th percentile per-packet one-way delay: 238.350 ms
Loss rate: 2.36%
```

Run 2: Report of PCC-Allegro — Data Link

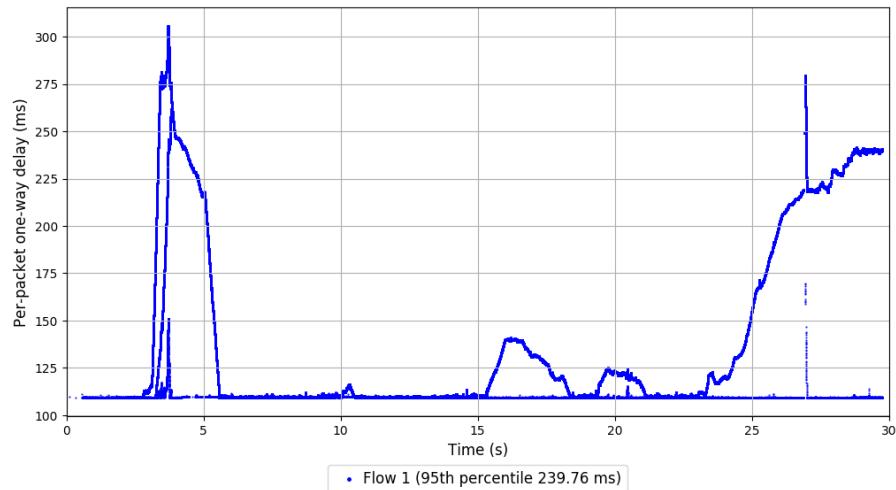
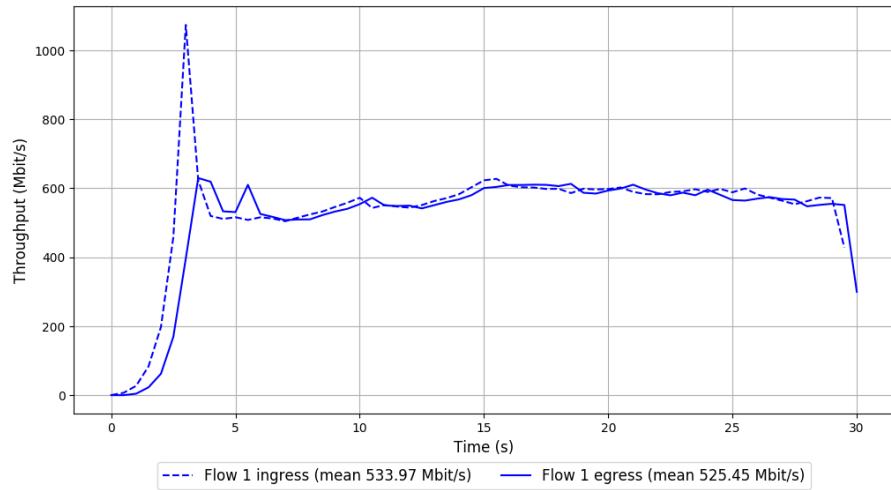


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-29 23:48:35
End at: 2018-06-29 23:49:05
Local clock offset: -1.281 ms
Remote clock offset: 0.431 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 525.45 Mbit/s
95th percentile per-packet one-way delay: 239.760 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 525.45 Mbit/s
95th percentile per-packet one-way delay: 239.760 ms
Loss rate: 2.33%
```

Run 3: Report of PCC-Allegro — Data Link

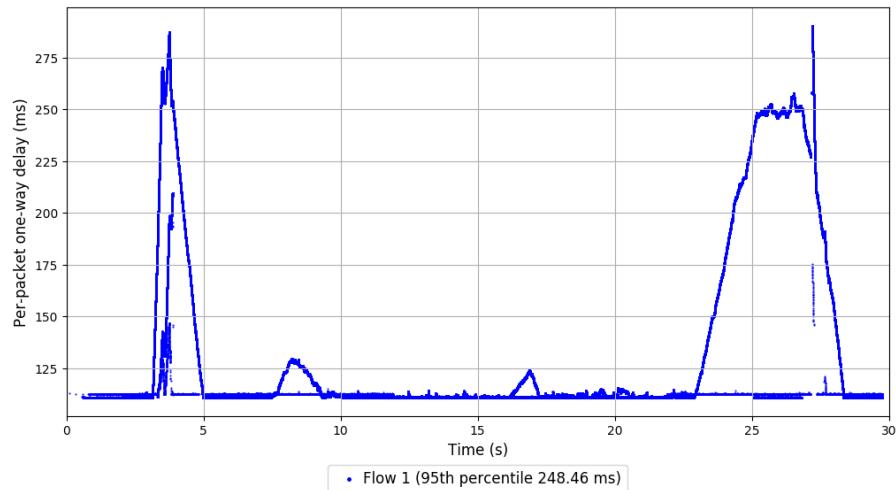
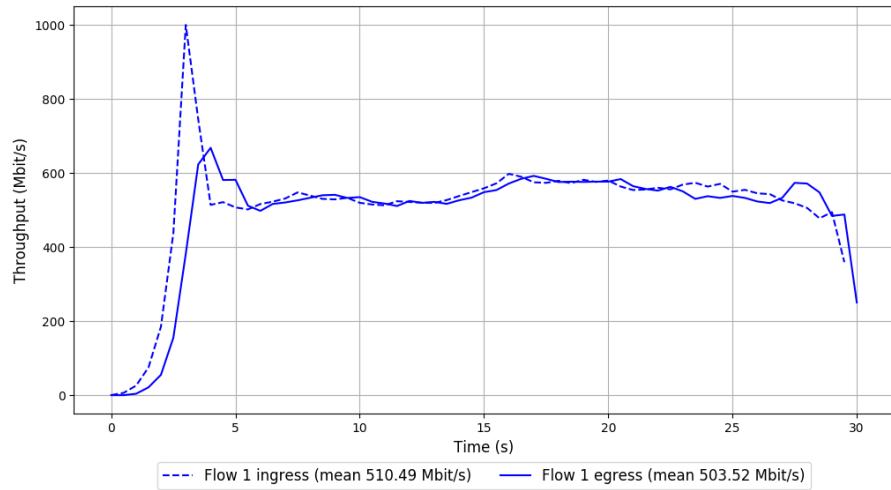


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-30 00:10:37
End at: 2018-06-30 00:11:07
Local clock offset: -0.159 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 503.52 Mbit/s
95th percentile per-packet one-way delay: 248.463 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 503.52 Mbit/s
95th percentile per-packet one-way delay: 248.463 ms
Loss rate: 2.10%
```

Run 4: Report of PCC-Allegro — Data Link

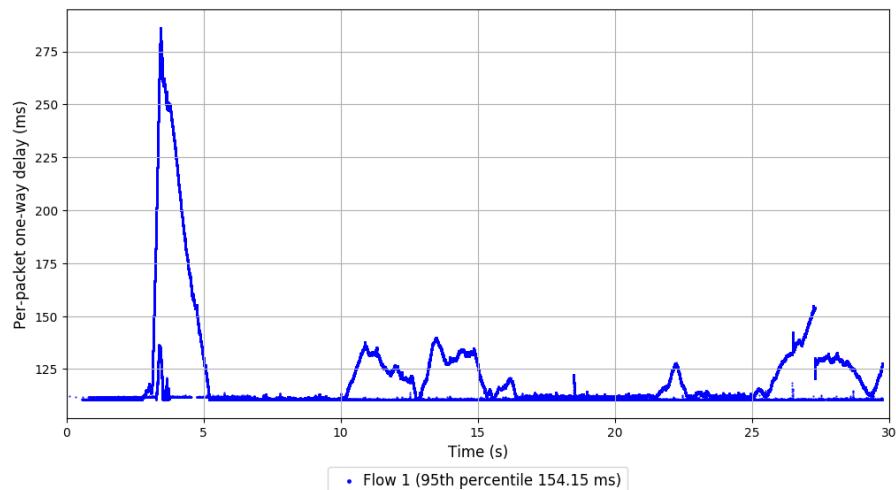
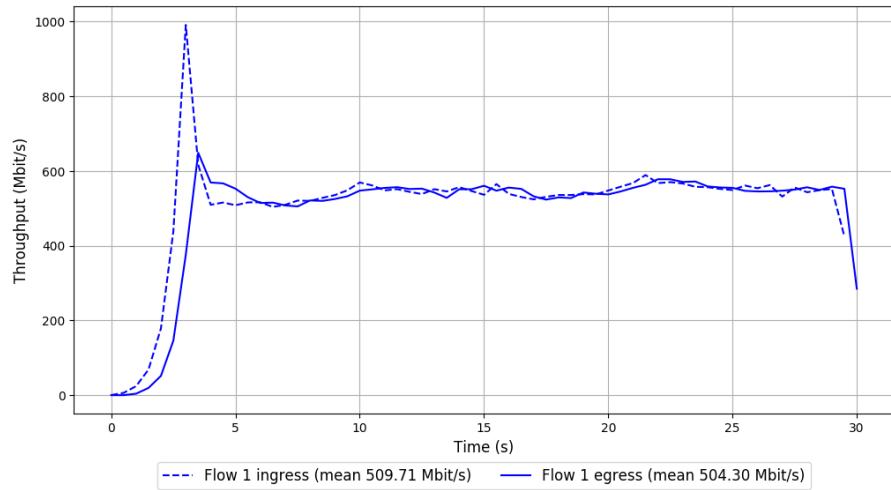


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-30 00:32:32
End at: 2018-06-30 00:33:02
Local clock offset: -0.293 ms
Remote clock offset: 0.095 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 504.30 Mbit/s
95th percentile per-packet one-way delay: 154.153 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 504.30 Mbit/s
95th percentile per-packet one-way delay: 154.153 ms
Loss rate: 1.81%
```

Run 5: Report of PCC-Allegro — Data Link

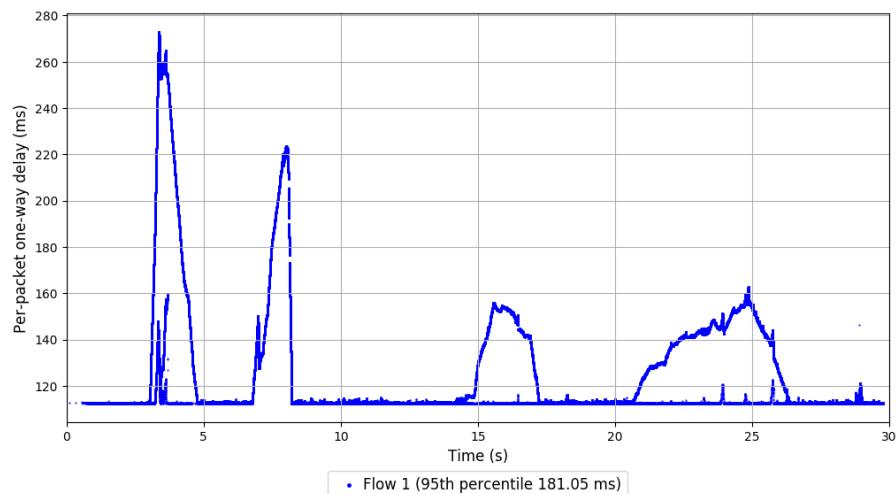
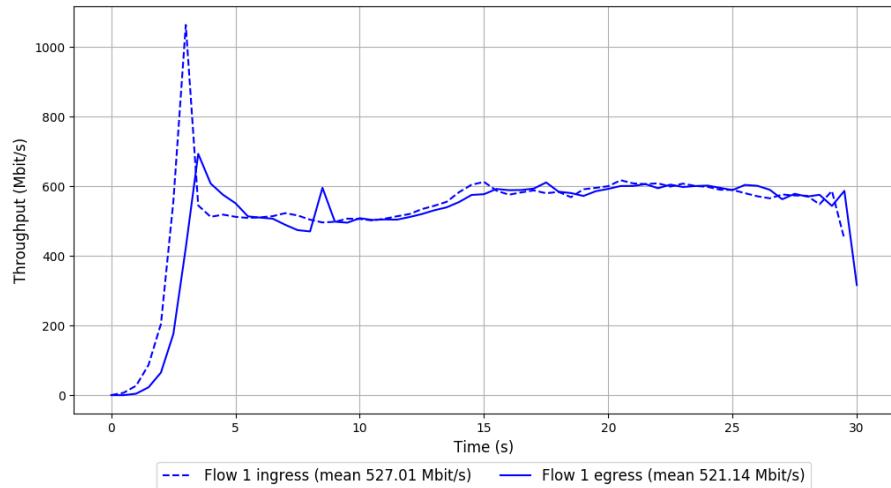


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-30 00:55:00
End at: 2018-06-30 00:55:30
Local clock offset: 1.381 ms
Remote clock offset: 0.101 ms

# Below is generated by plot.py at 2018-06-30 03:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 521.14 Mbit/s
95th percentile per-packet one-way delay: 181.048 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 521.14 Mbit/s
95th percentile per-packet one-way delay: 181.048 ms
Loss rate: 1.85%
```

Run 6: Report of PCC-Allegro — Data Link

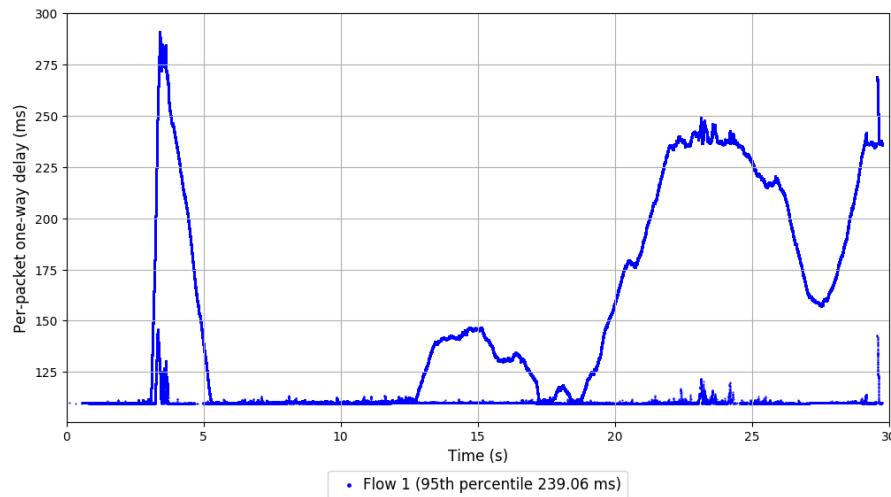
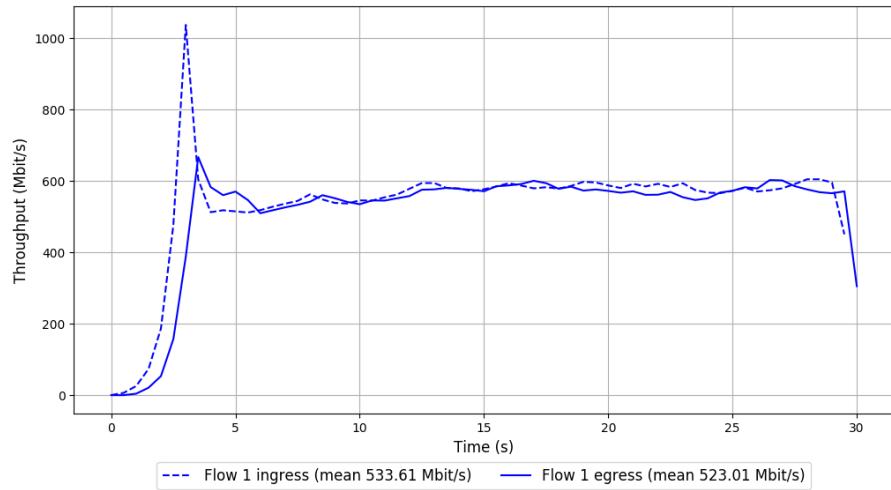


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-30 01:17:12
End at: 2018-06-30 01:17:42
Local clock offset: -1.266 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-06-30 03:44:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 523.01 Mbit/s
95th percentile per-packet one-way delay: 239.064 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 523.01 Mbit/s
95th percentile per-packet one-way delay: 239.064 ms
Loss rate: 2.71%
```

Run 7: Report of PCC-Allegro — Data Link

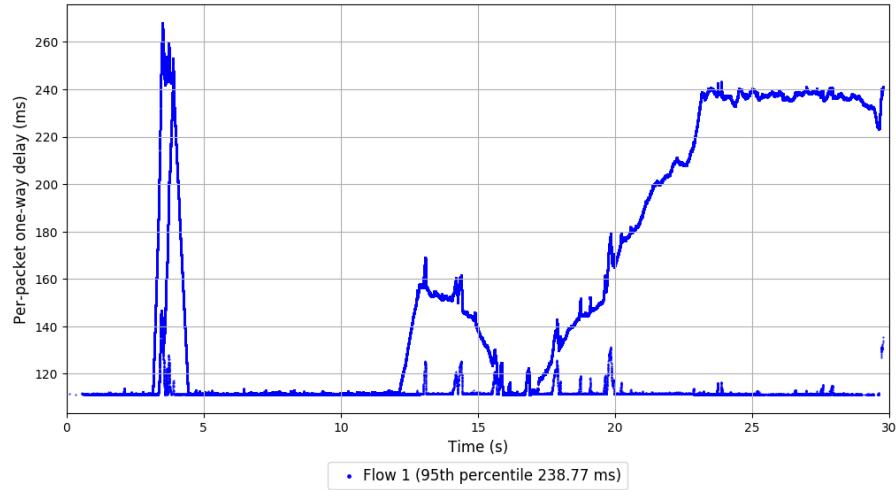
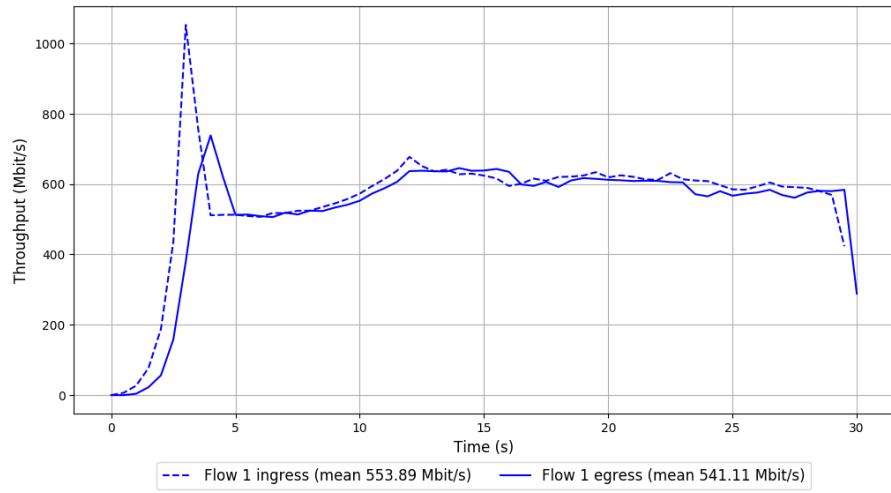


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-30 01:39:46
End at: 2018-06-30 01:40:16
Local clock offset: 0.174 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-06-30 03:45:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 541.11 Mbit/s
95th percentile per-packet one-way delay: 238.772 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 541.11 Mbit/s
95th percentile per-packet one-way delay: 238.772 ms
Loss rate: 3.03%
```

Run 8: Report of PCC-Allegro — Data Link

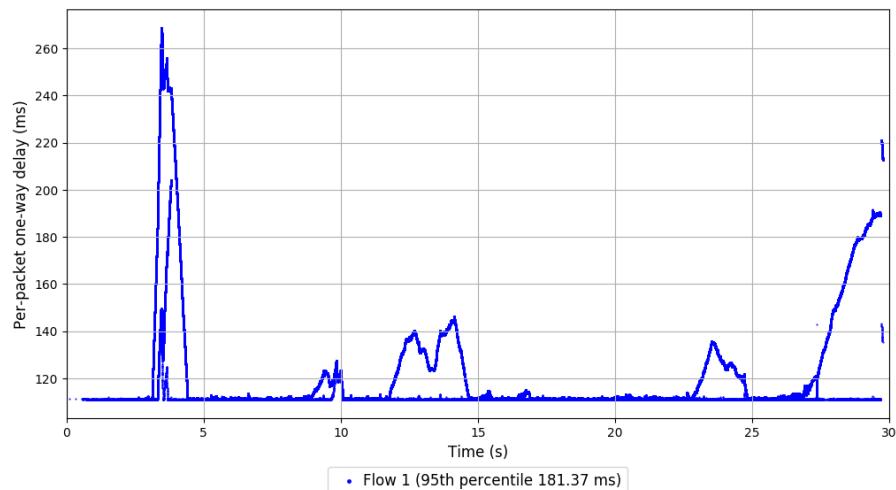
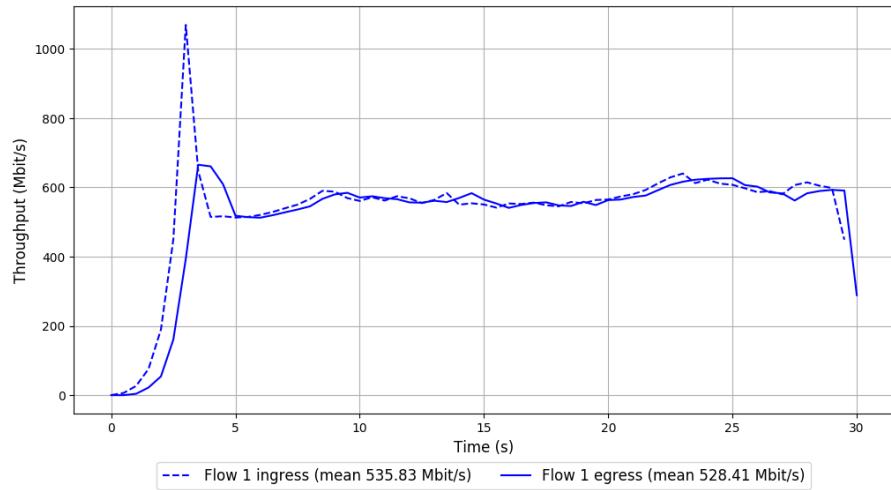


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-30 02:02:25
End at: 2018-06-30 02:02:55
Local clock offset: -0.068 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-06-30 03:45:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 528.41 Mbit/s
95th percentile per-packet one-way delay: 181.368 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 528.41 Mbit/s
95th percentile per-packet one-way delay: 181.368 ms
Loss rate: 2.12%
```

Run 9: Report of PCC-Allegro — Data Link

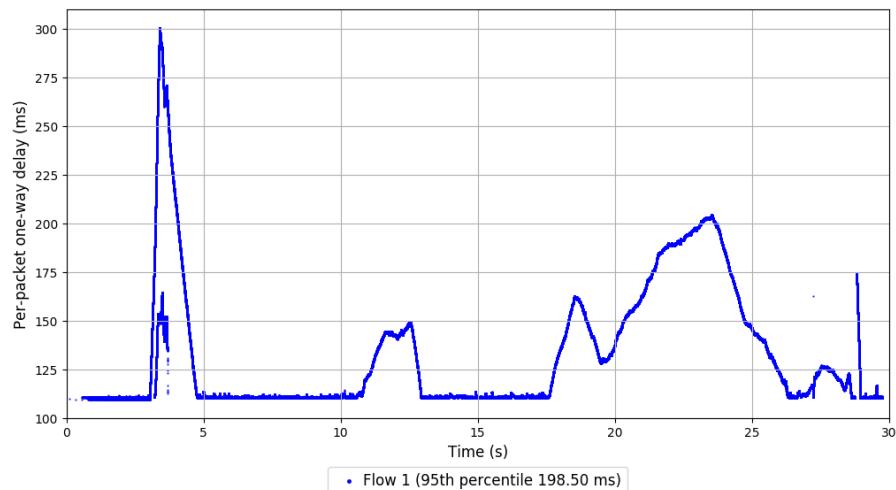
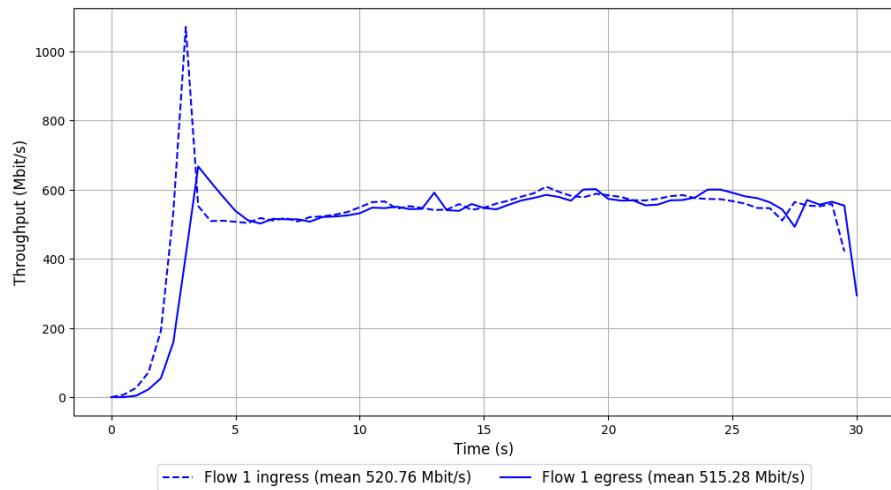


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-30 02:24:44
End at: 2018-06-30 02:25:14
Local clock offset: -0.167 ms
Remote clock offset: 0.429 ms

# Below is generated by plot.py at 2018-06-30 03:45:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 515.28 Mbit/s
95th percentile per-packet one-way delay: 198.500 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 515.28 Mbit/s
95th percentile per-packet one-way delay: 198.500 ms
Loss rate: 1.79%
```

Run 10: Report of PCC-Allegro — Data Link

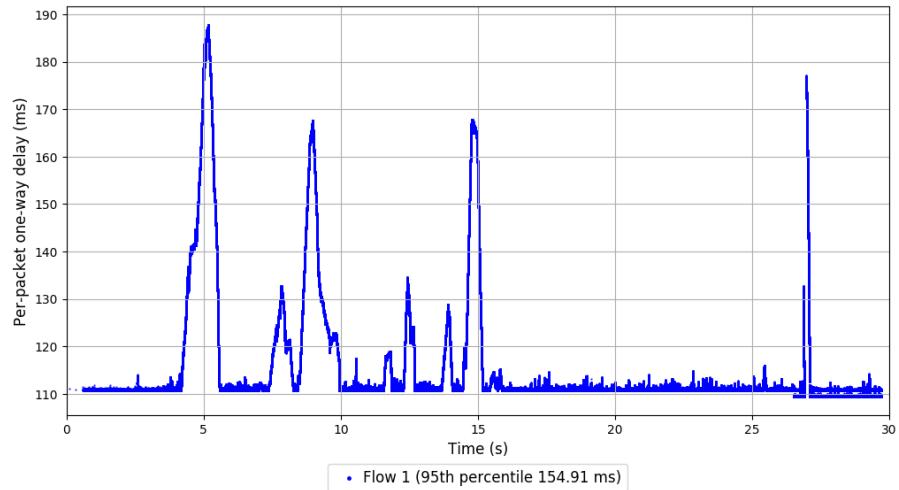
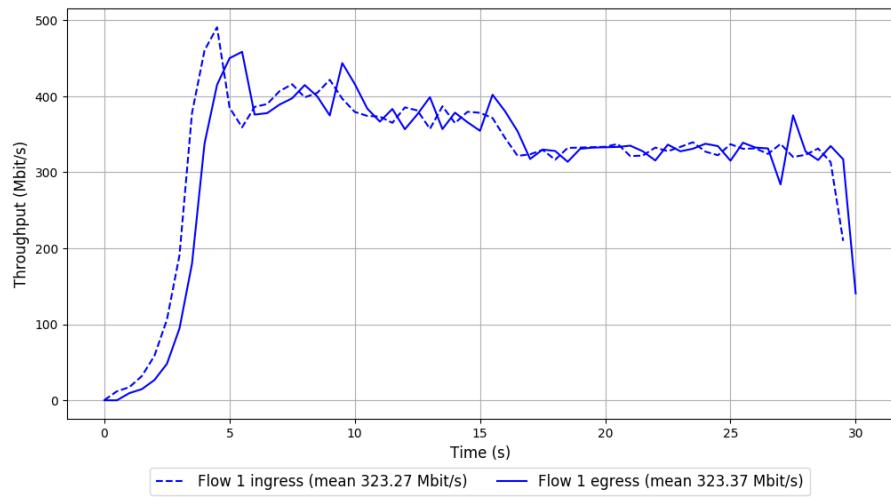


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-29 23:07:52
End at: 2018-06-29 23:08:23
Local clock offset: -0.233 ms
Remote clock offset: 0.411 ms

# Below is generated by plot.py at 2018-06-30 03:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.37 Mbit/s
95th percentile per-packet one-way delay: 154.913 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 323.37 Mbit/s
95th percentile per-packet one-way delay: 154.913 ms
Loss rate: 0.72%
```

Run 1: Report of PCC-Expr — Data Link

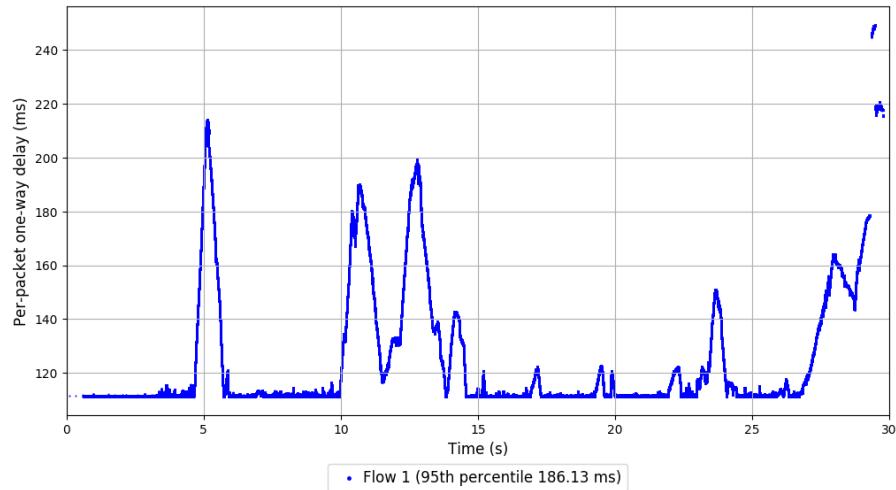
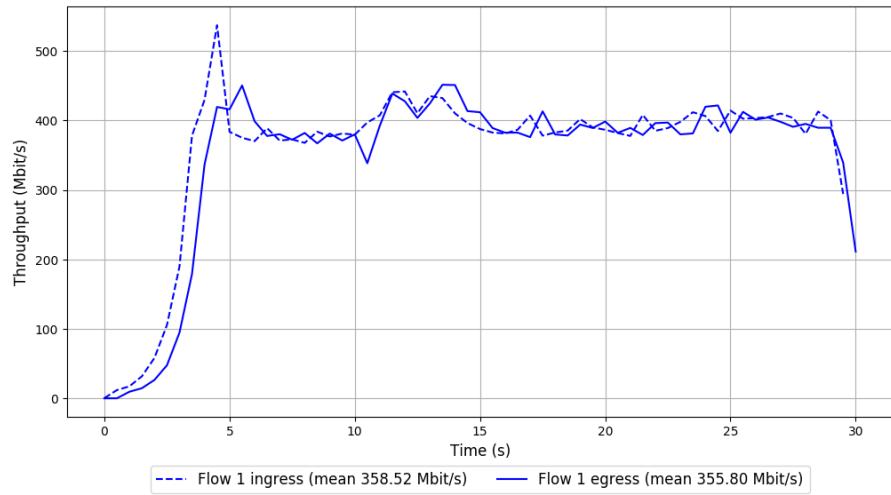


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-29 23:30:05
End at: 2018-06-29 23:30:35
Local clock offset: -0.143 ms
Remote clock offset: -0.292 ms

# Below is generated by plot.py at 2018-06-30 03:48:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.80 Mbit/s
95th percentile per-packet one-way delay: 186.128 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 355.80 Mbit/s
95th percentile per-packet one-way delay: 186.128 ms
Loss rate: 1.49%
```

Run 2: Report of PCC-Expr — Data Link

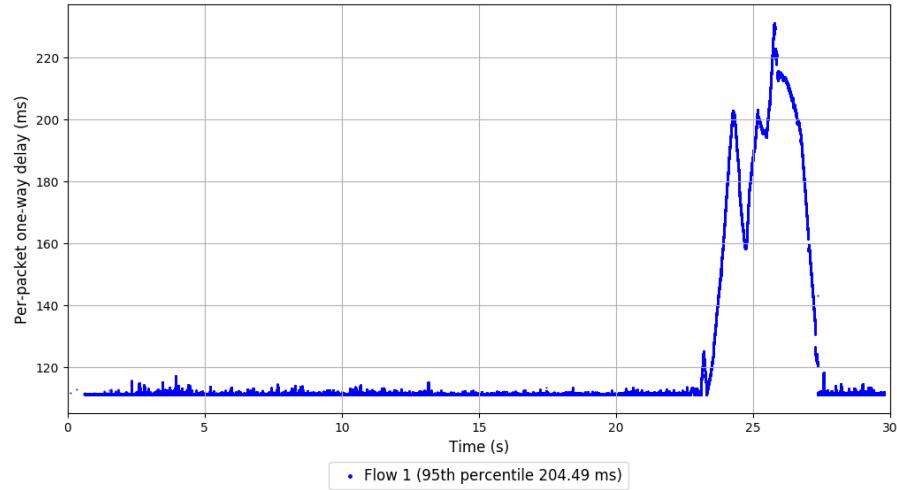
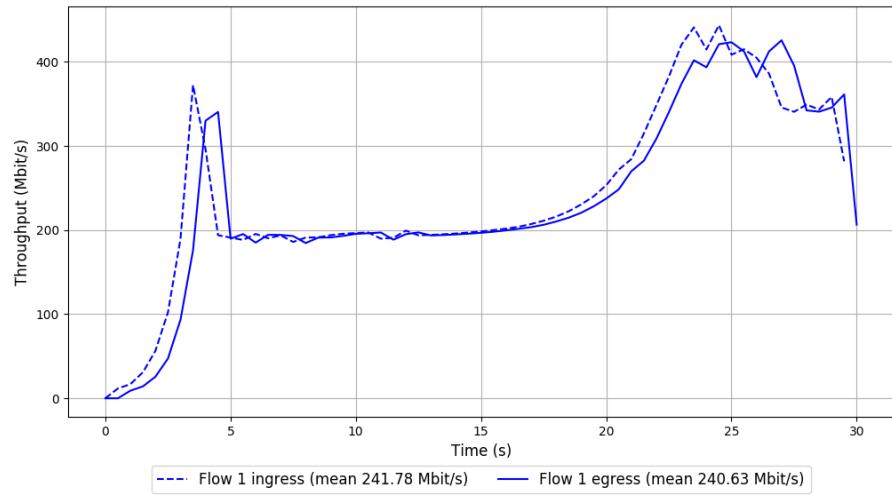


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-29 23:52:39
End at: 2018-06-29 23:53:09
Local clock offset: 0.345 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2018-06-30 03:48:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.63 Mbit/s
95th percentile per-packet one-way delay: 204.489 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 240.63 Mbit/s
95th percentile per-packet one-way delay: 204.489 ms
Loss rate: 1.21%
```

Run 3: Report of PCC-Expr — Data Link

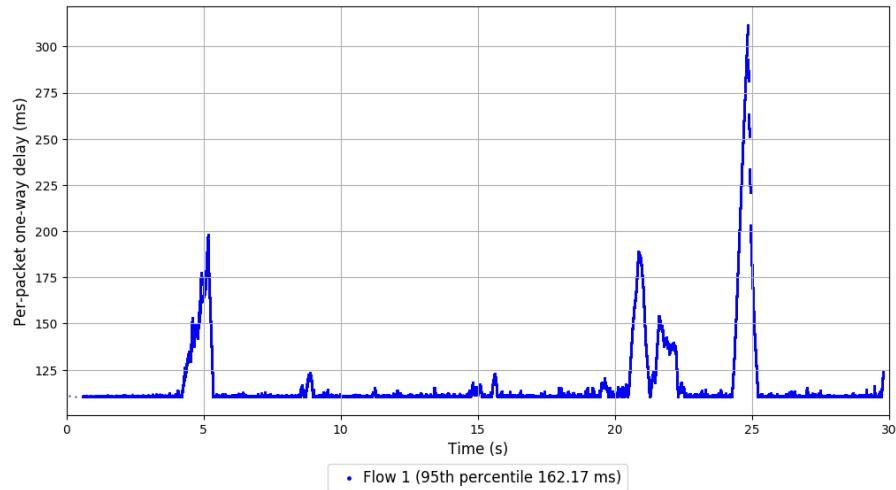
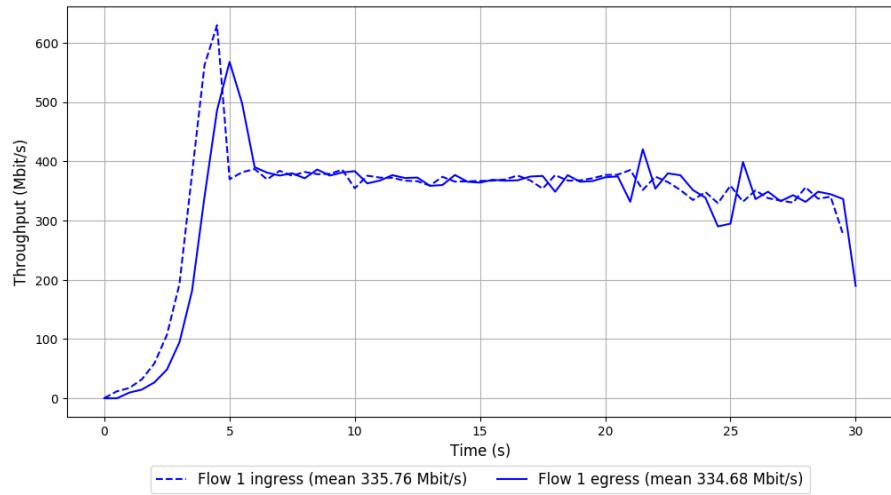


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-30 00:14:38
End at: 2018-06-30 00:15:08
Local clock offset: -0.053 ms
Remote clock offset: 0.449 ms

# Below is generated by plot.py at 2018-06-30 03:49:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 334.68 Mbit/s
95th percentile per-packet one-way delay: 162.169 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 334.68 Mbit/s
95th percentile per-packet one-way delay: 162.169 ms
Loss rate: 1.07%
```

Run 4: Report of PCC-Expr — Data Link

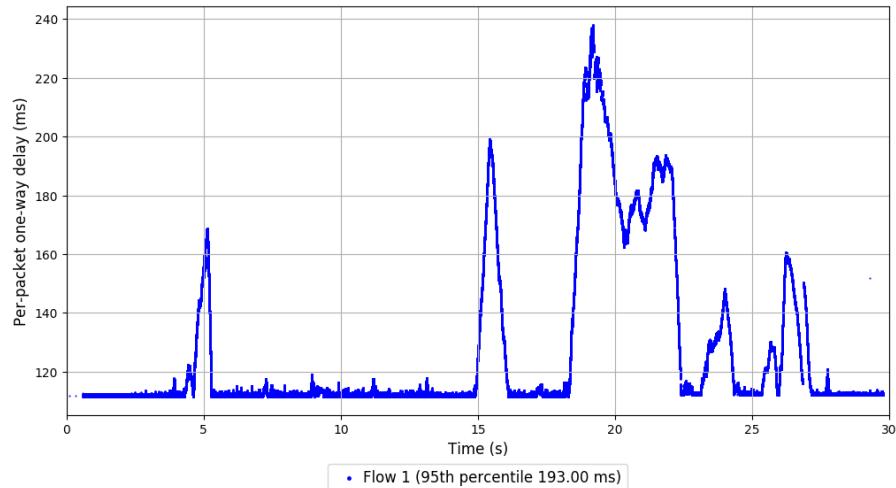
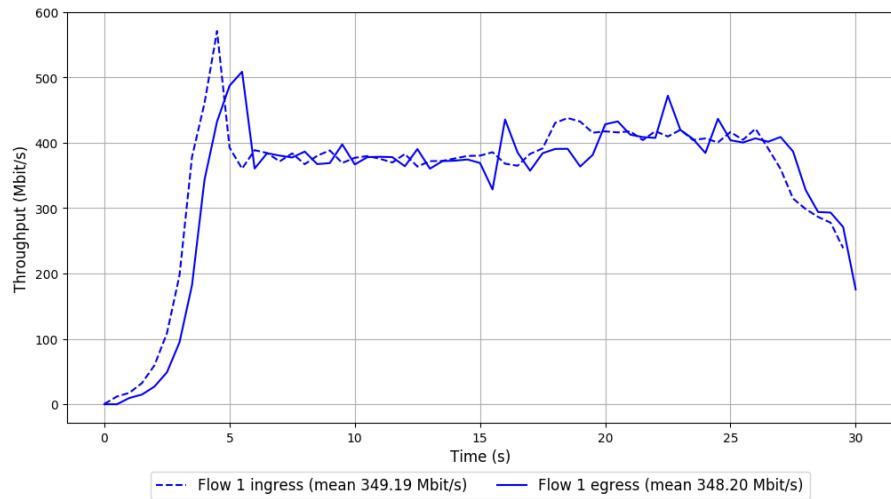


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-30 00:36:27
End at: 2018-06-30 00:36:57
Local clock offset: 1.345 ms
Remote clock offset: 0.113 ms

# Below is generated by plot.py at 2018-06-30 03:55:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 348.20 Mbit/s
95th percentile per-packet one-way delay: 193.000 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 348.20 Mbit/s
95th percentile per-packet one-way delay: 193.000 ms
Loss rate: 1.02%
```

Run 5: Report of PCC-Expr — Data Link

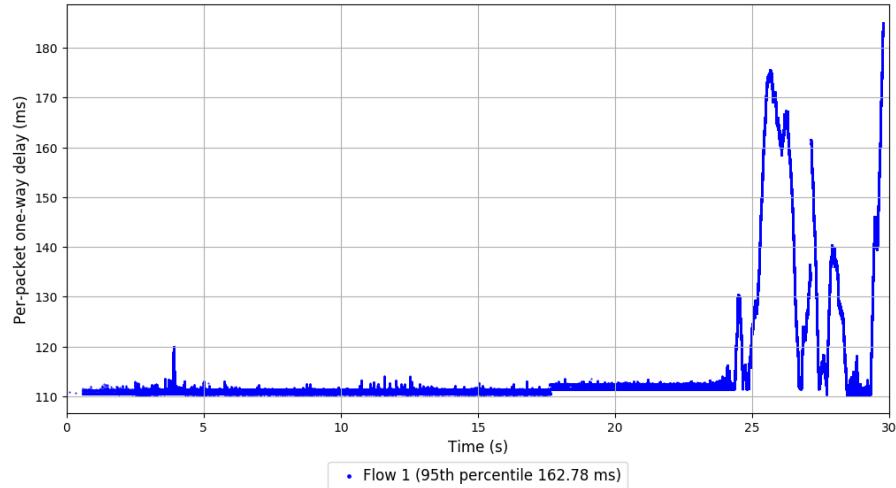
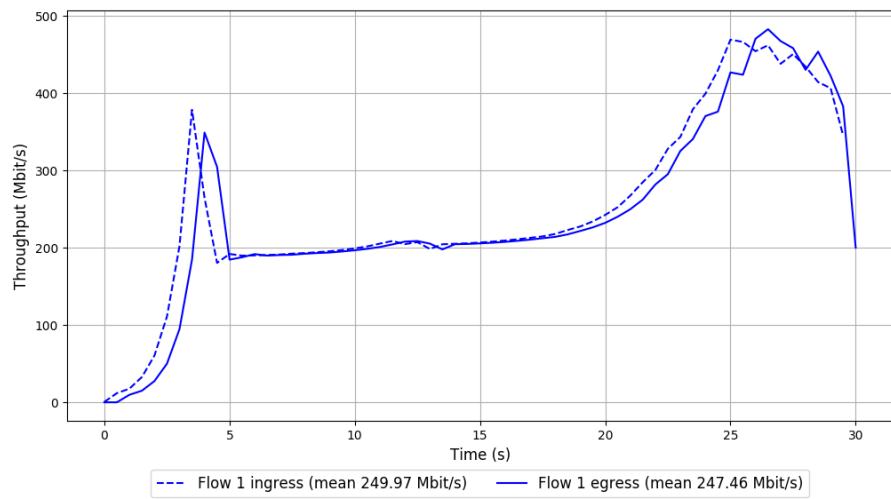


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-30 00:59:01
End at: 2018-06-30 00:59:32
Local clock offset: 0.171 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2018-06-30 03:55:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 247.46 Mbit/s
95th percentile per-packet one-way delay: 162.780 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 247.46 Mbit/s
95th percentile per-packet one-way delay: 162.780 ms
Loss rate: 1.74%
```

Run 6: Report of PCC-Expr — Data Link

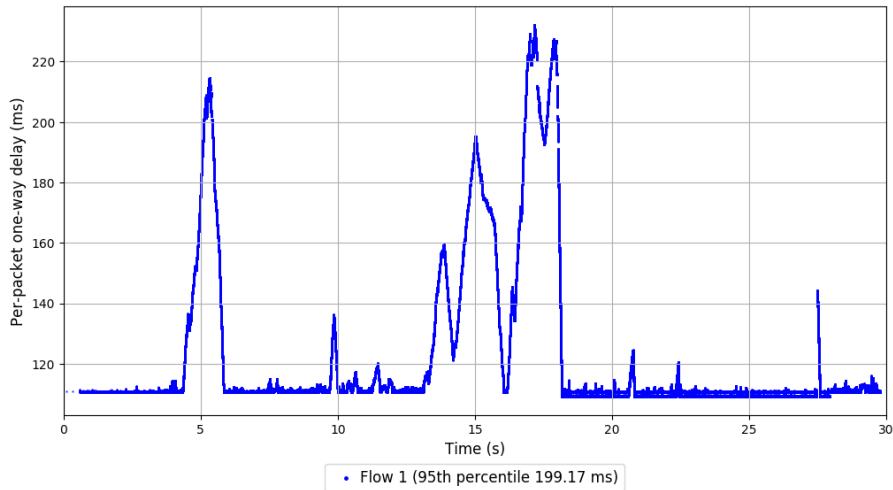
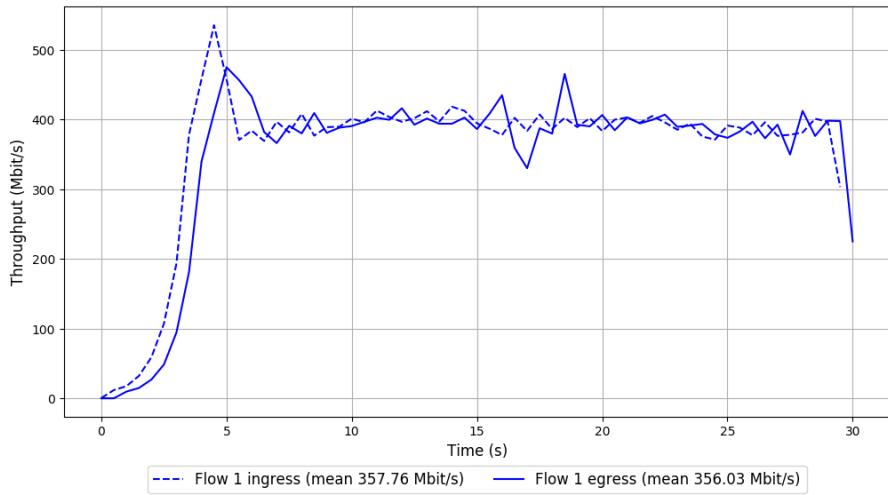


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-30 01:21:11
End at: 2018-06-30 01:21:41
Local clock offset: -0.016 ms
Remote clock offset: 0.385 ms

# Below is generated by plot.py at 2018-06-30 03:56:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.03 Mbit/s
95th percentile per-packet one-way delay: 199.169 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 356.03 Mbit/s
95th percentile per-packet one-way delay: 199.169 ms
Loss rate: 1.22%
```

Run 7: Report of PCC-Expr — Data Link

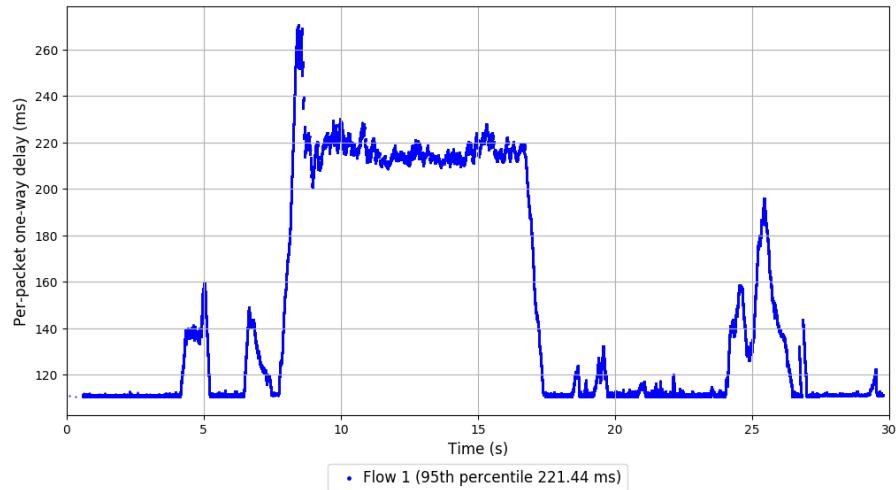
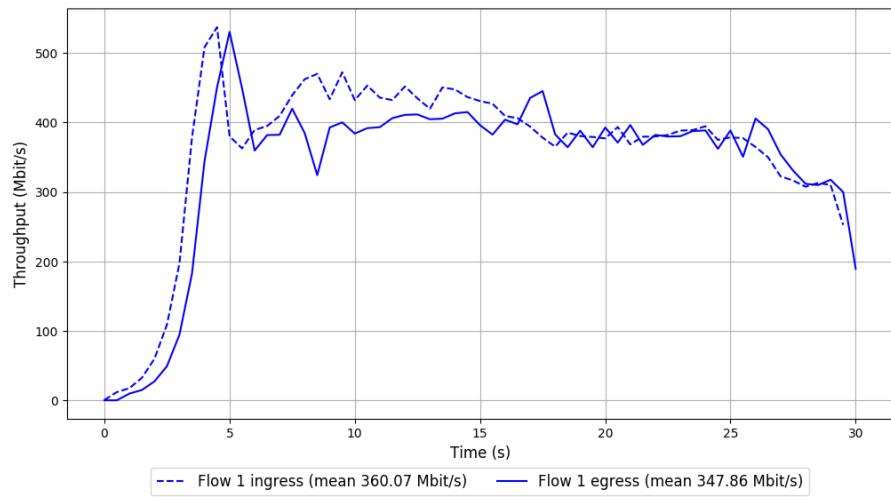


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-30 01:43:52
End at: 2018-06-30 01:44:22
Local clock offset: 0.084 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.86 Mbit/s
95th percentile per-packet one-way delay: 221.442 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 347.86 Mbit/s
95th percentile per-packet one-way delay: 221.442 ms
Loss rate: 4.11%
```

Run 8: Report of PCC-Expr — Data Link

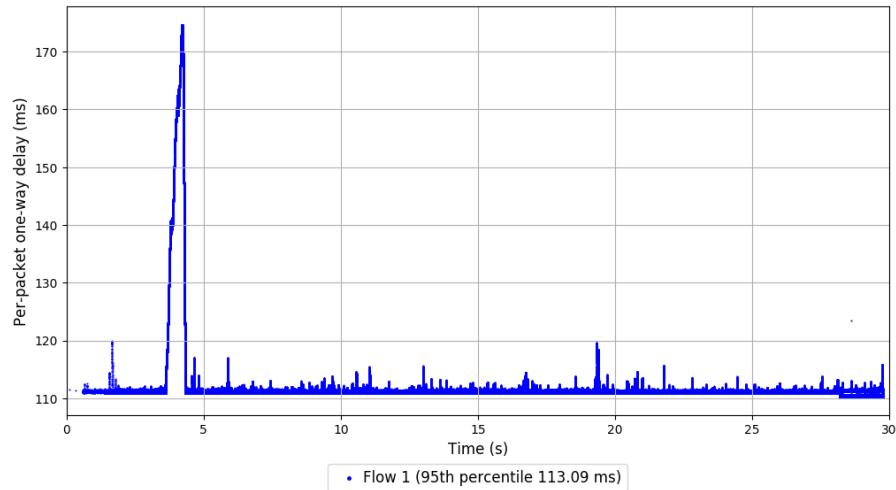
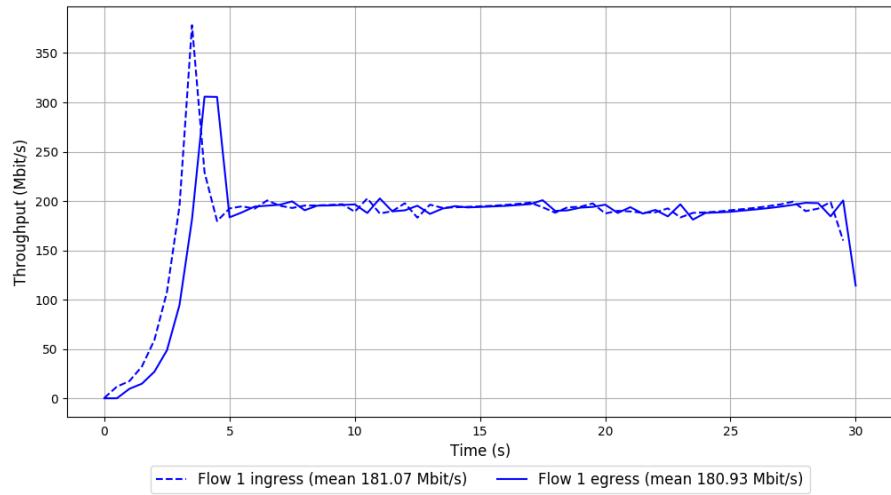


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-30 02:06:31
End at: 2018-06-30 02:07:01
Local clock offset: -0.106 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.93 Mbit/s
95th percentile per-packet one-way delay: 113.092 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 180.93 Mbit/s
95th percentile per-packet one-way delay: 113.092 ms
Loss rate: 0.82%
```

Run 9: Report of PCC-Expr — Data Link

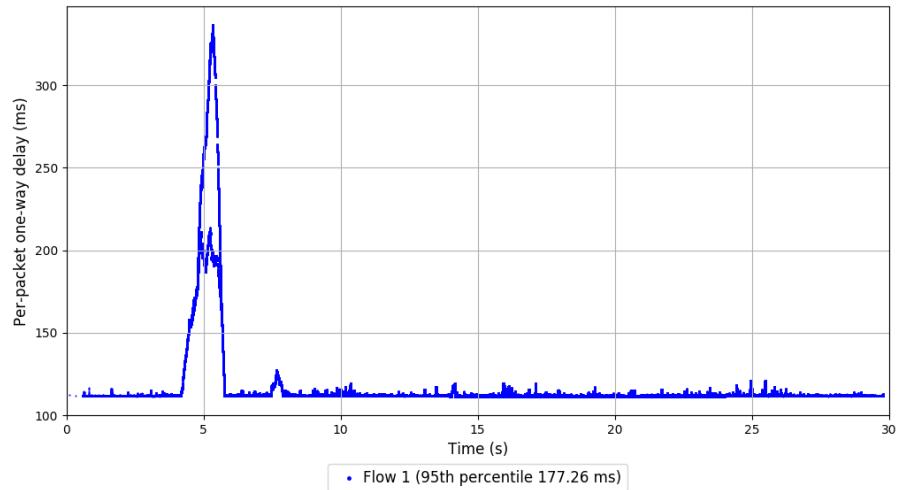
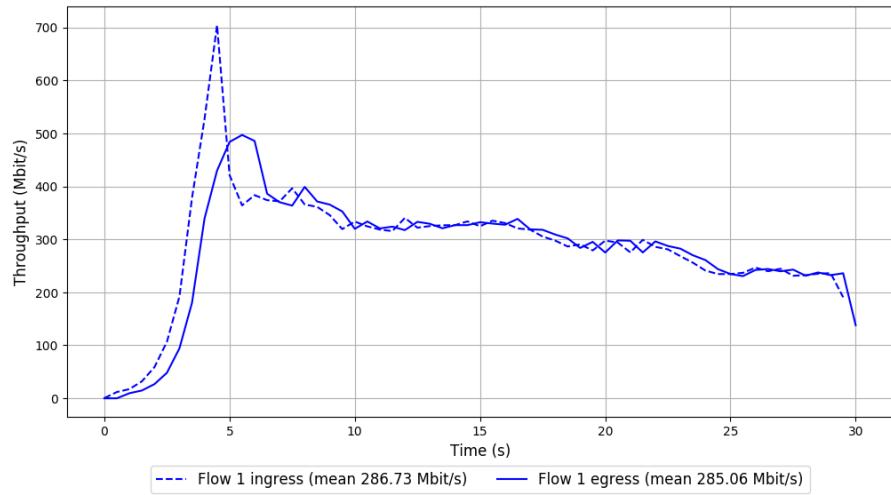


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-30 02:28:45
End at: 2018-06-30 02:29:15
Local clock offset: 0.16 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 285.06 Mbit/s
95th percentile per-packet one-way delay: 177.265 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 285.06 Mbit/s
95th percentile per-packet one-way delay: 177.265 ms
Loss rate: 1.32%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

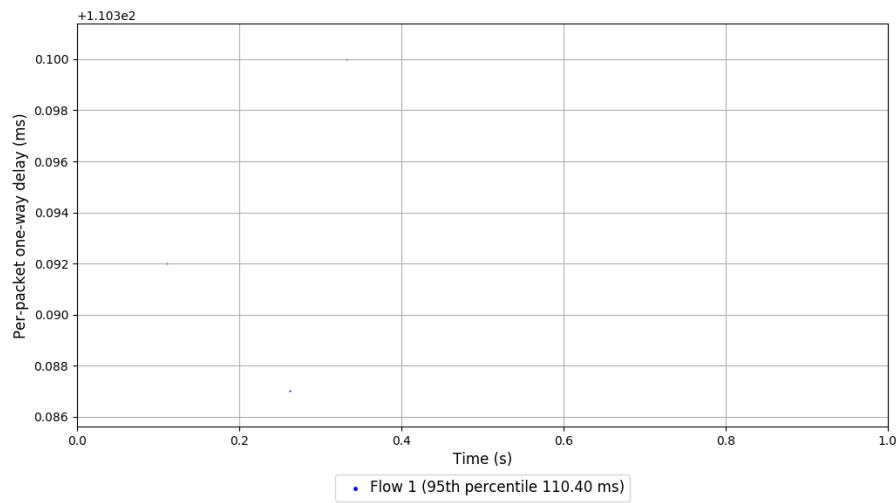
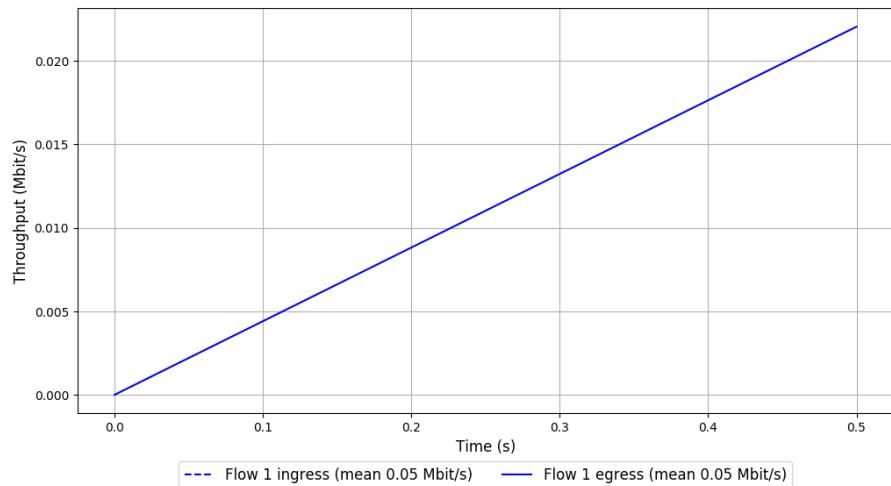
Start at: 2018-06-29 23:10:39

End at: 2018-06-29 23:11:09

Local clock offset: -1.173 ms

Remote clock offset: 0.025 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

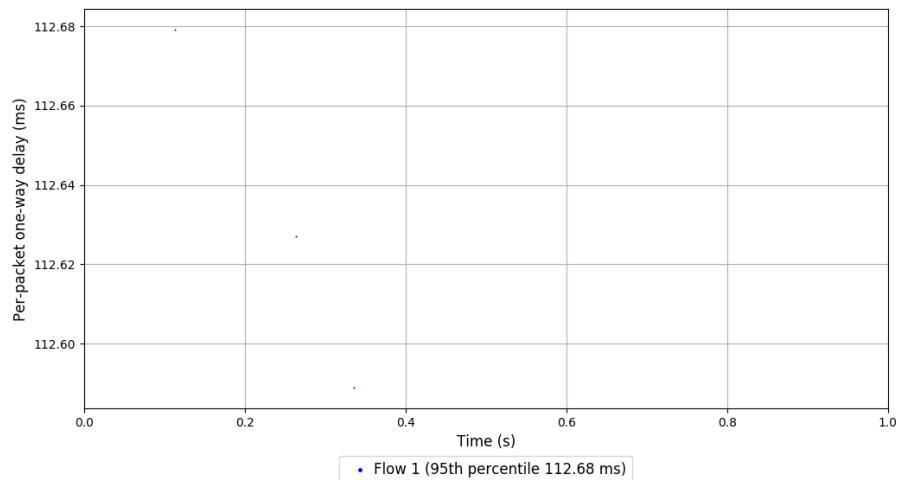
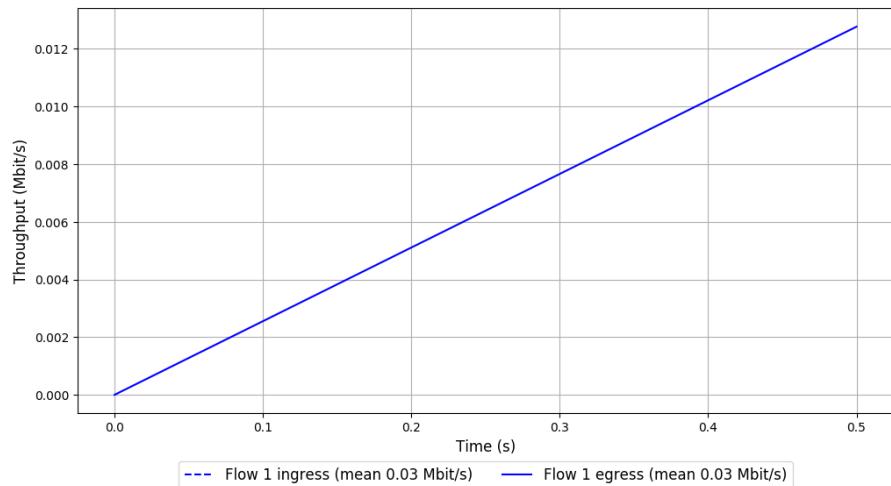
Start at: 2018-06-29 23:32:55

End at: 2018-06-29 23:33:25

Local clock offset: 1.296 ms

Remote clock offset: 0.076 ms

Run 2: Report of QUIC Cubic — Data Link

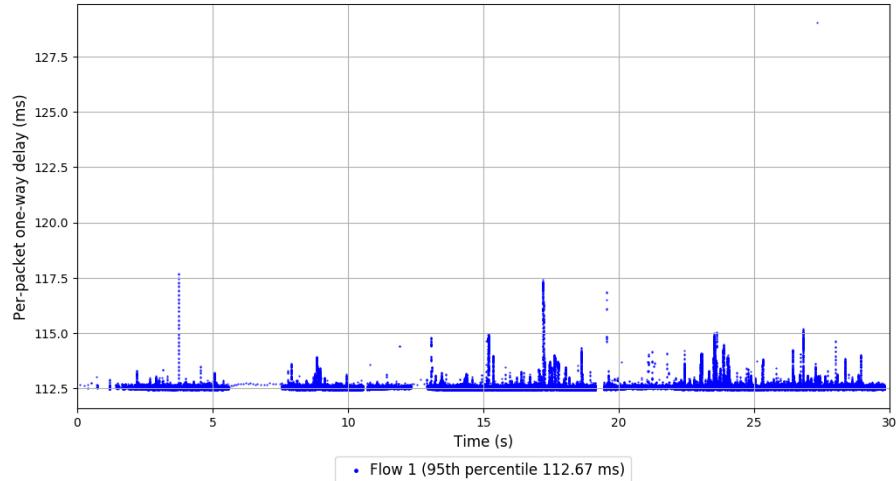
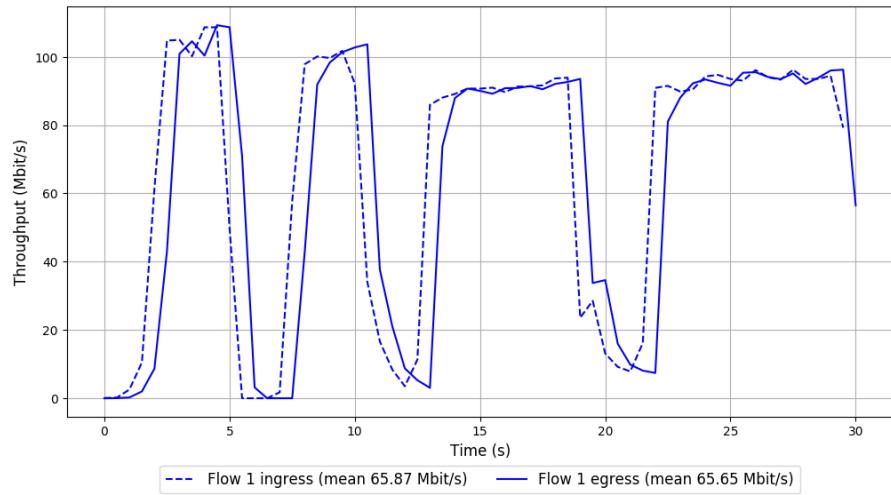


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-29 23:55:17
End at: 2018-06-29 23:55:47
Local clock offset: 1.417 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 112.670 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 112.670 ms
Loss rate: 1.07%
```

Run 3: Report of QUIC Cubic — Data Link

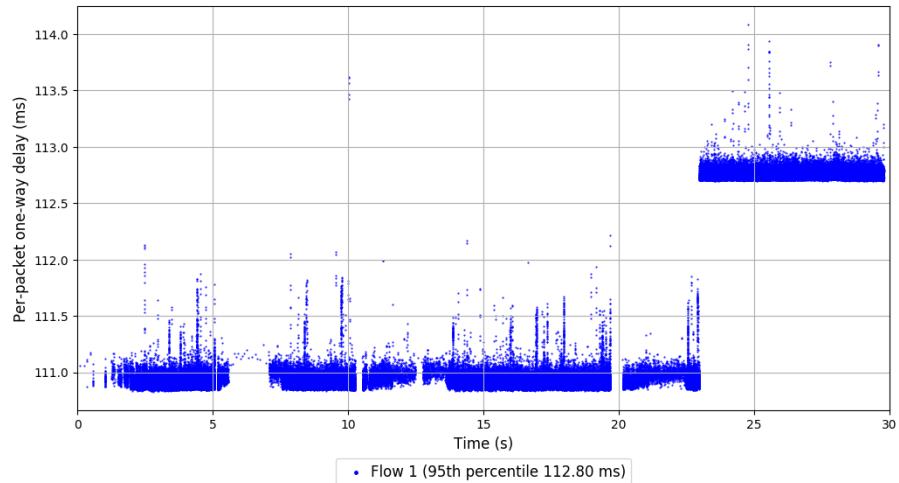
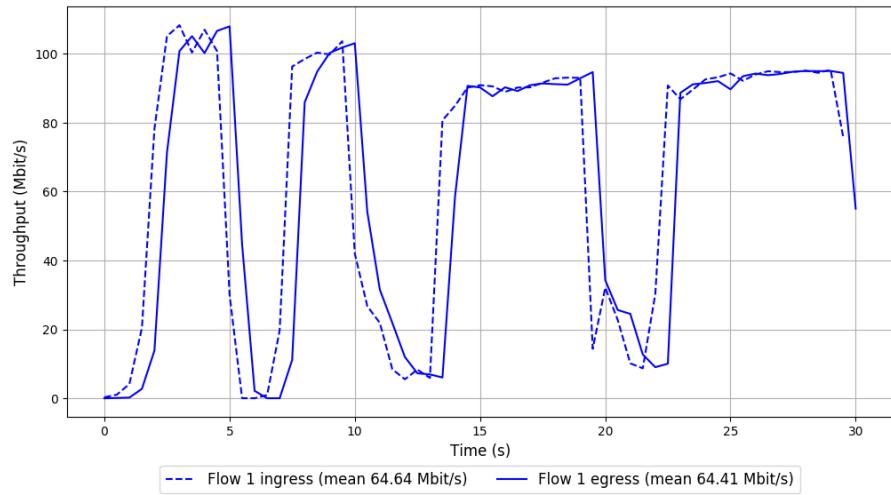


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-30 00:17:26
End at: 2018-06-30 00:17:56
Local clock offset: -0.04 ms
Remote clock offset: 0.098 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 112.796 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 112.796 ms
Loss rate: 1.10%
```

Run 4: Report of QUIC Cubic — Data Link

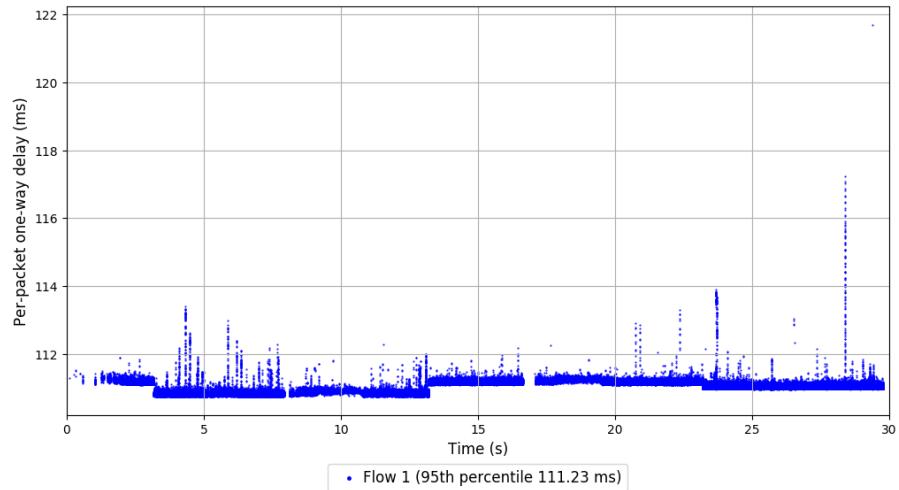
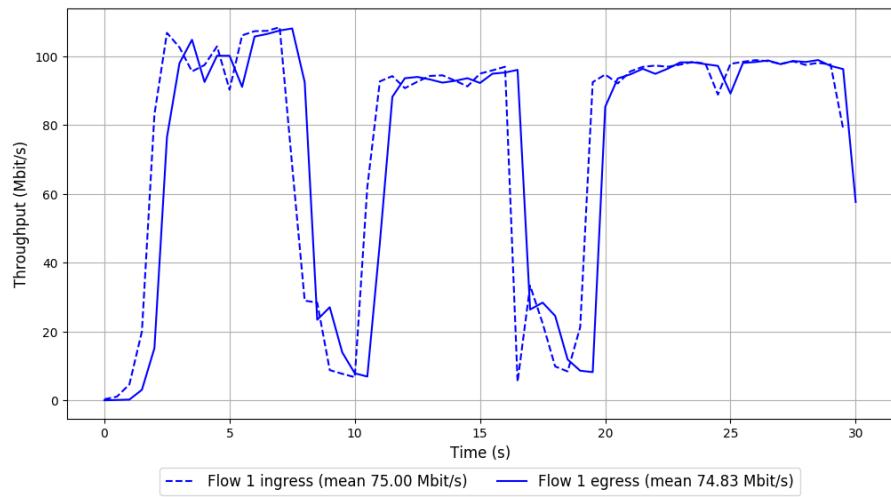


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-30 00:39:16
End at: 2018-06-30 00:39:46
Local clock offset: -0.029 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.83 Mbit/s
95th percentile per-packet one-way delay: 111.232 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 74.83 Mbit/s
95th percentile per-packet one-way delay: 111.232 ms
Loss rate: 0.98%
```

Run 5: Report of QUIC Cubic — Data Link

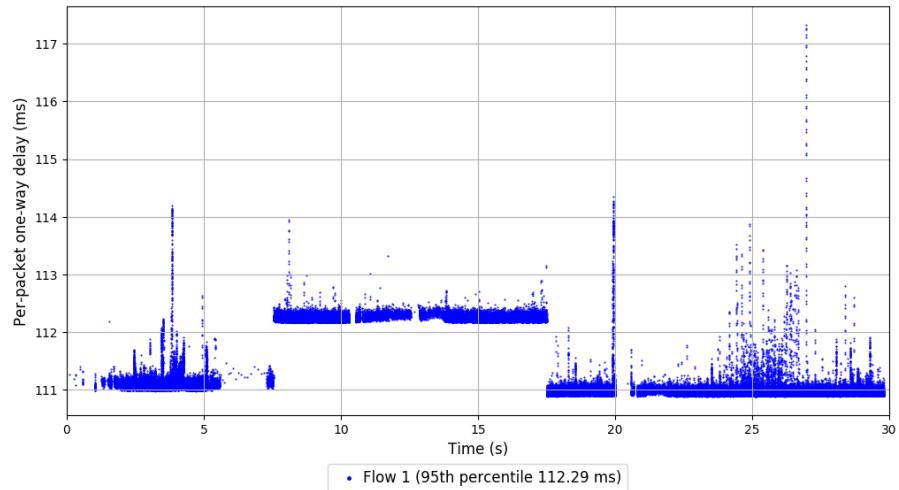
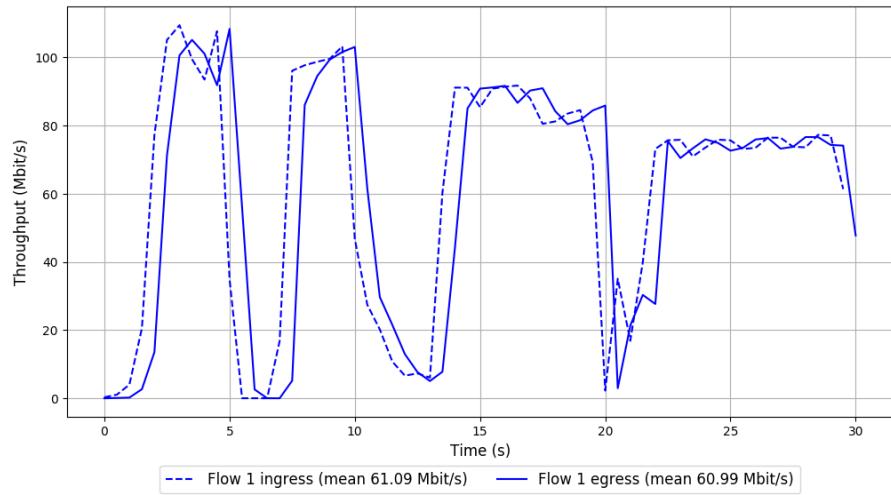


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-30 01:01:42
End at: 2018-06-30 01:02:12
Local clock offset: 0.11 ms
Remote clock offset: 0.098 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 112.290 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 112.290 ms
Loss rate: 0.91%
```

Run 6: Report of QUIC Cubic — Data Link

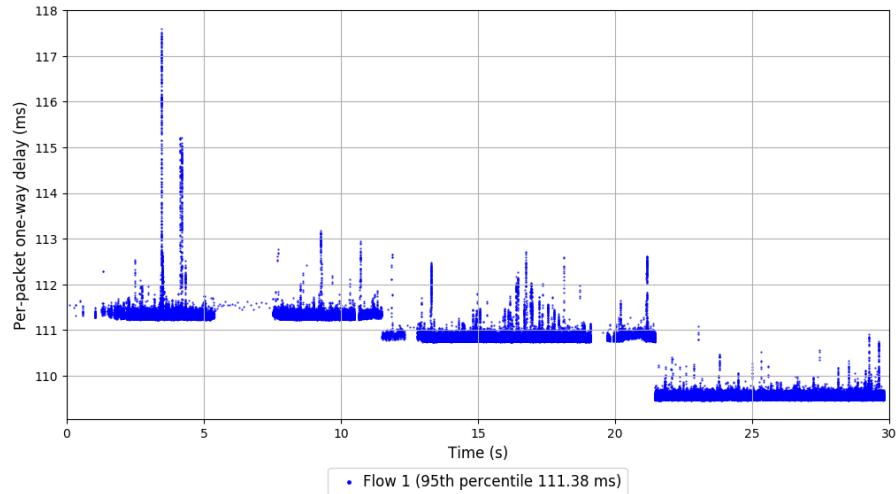
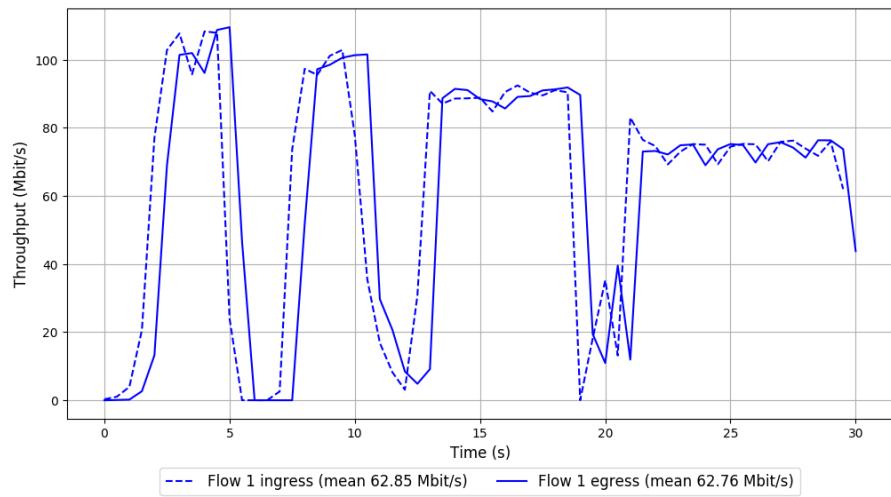


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-30 01:23:58
End at: 2018-06-30 01:24:28
Local clock offset: -0.004 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: 111.380 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: 111.380 ms
Loss rate: 0.88%
```

Run 7: Report of QUIC Cubic — Data Link

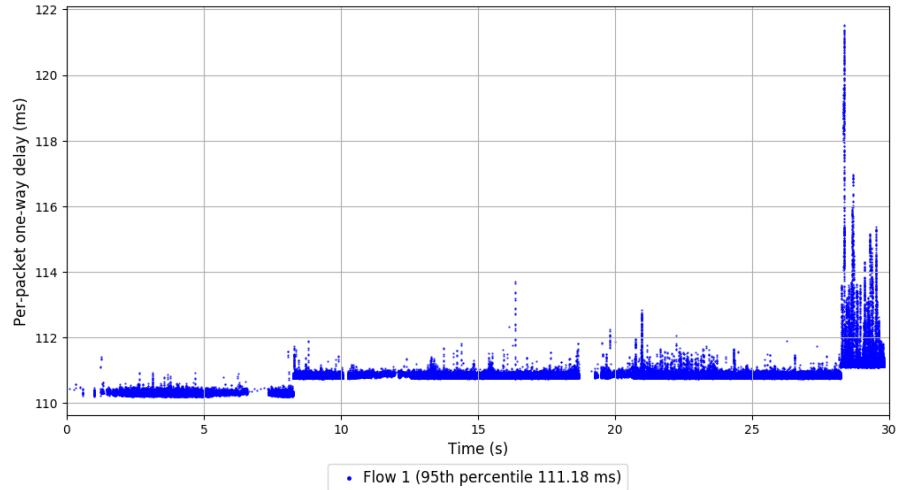
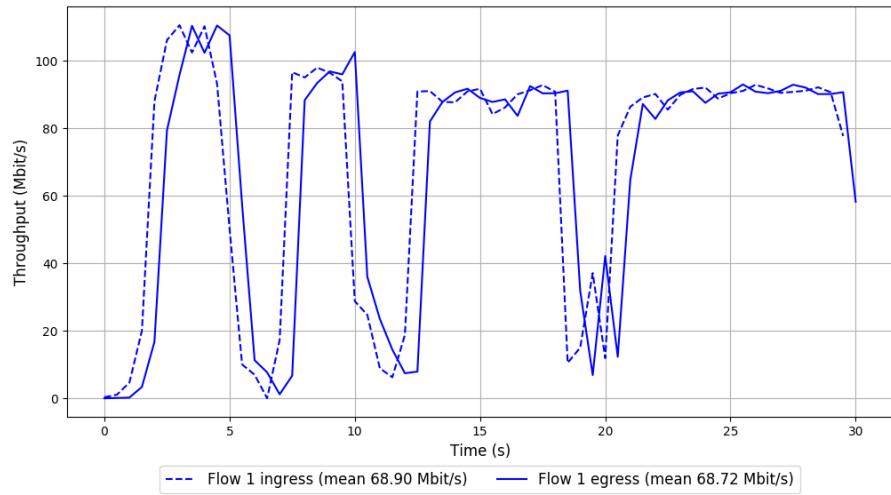


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-30 01:46:41
End at: 2018-06-30 01:47:11
Local clock offset: -0.251 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.72 Mbit/s
95th percentile per-packet one-way delay: 111.184 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 68.72 Mbit/s
95th percentile per-packet one-way delay: 111.184 ms
Loss rate: 0.99%
```

Run 8: Report of QUIC Cubic — Data Link

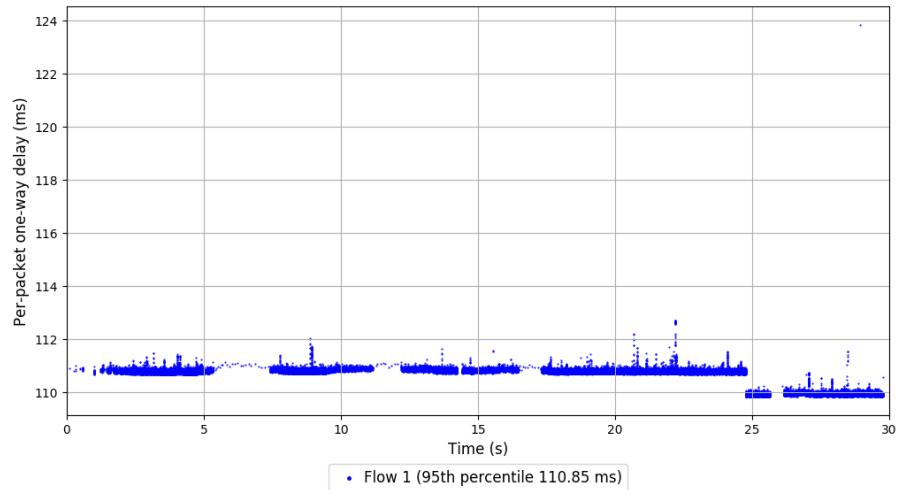
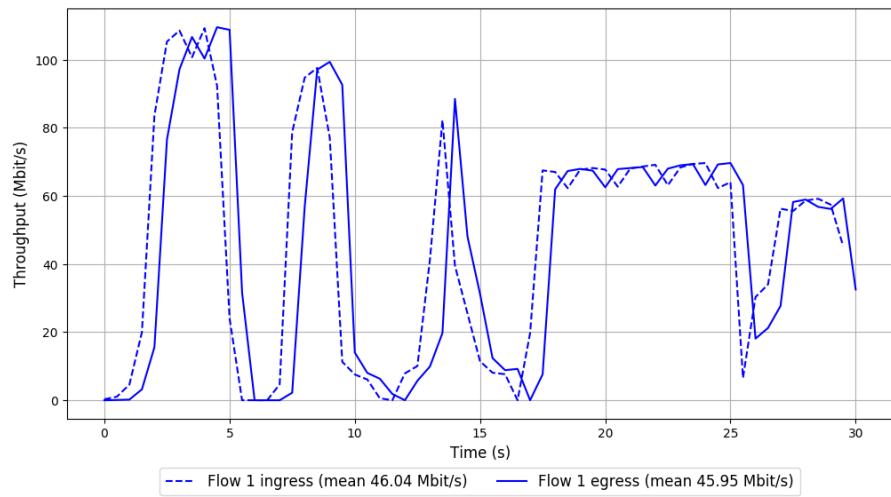


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-30 02:09:04
End at: 2018-06-30 02:09:34
Local clock offset: -0.281 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.95 Mbit/s
95th percentile per-packet one-way delay: 110.854 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 45.95 Mbit/s
95th percentile per-packet one-way delay: 110.854 ms
Loss rate: 0.95%
```

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

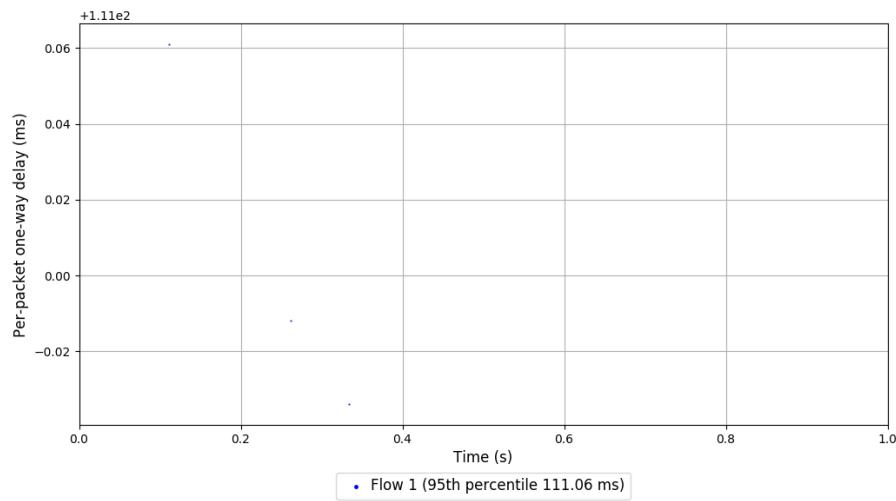
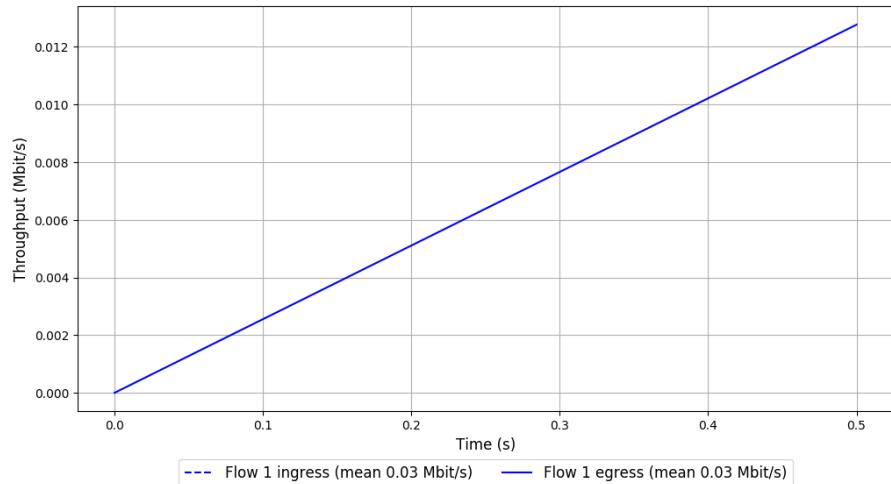
Start at: 2018-06-30 02:31:28

End at: 2018-06-30 02:31:58

Local clock offset: -0.092 ms

Remote clock offset: -0.029 ms

Run 10: Report of QUIC Cubic — Data Link

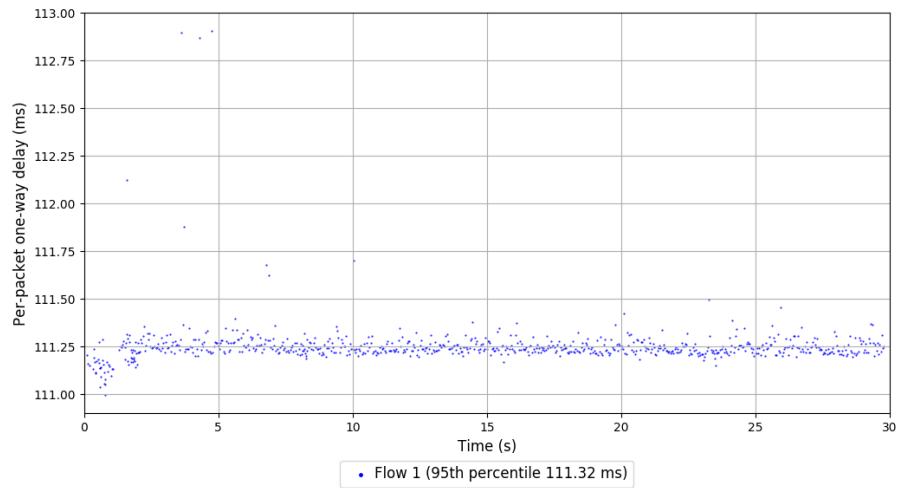
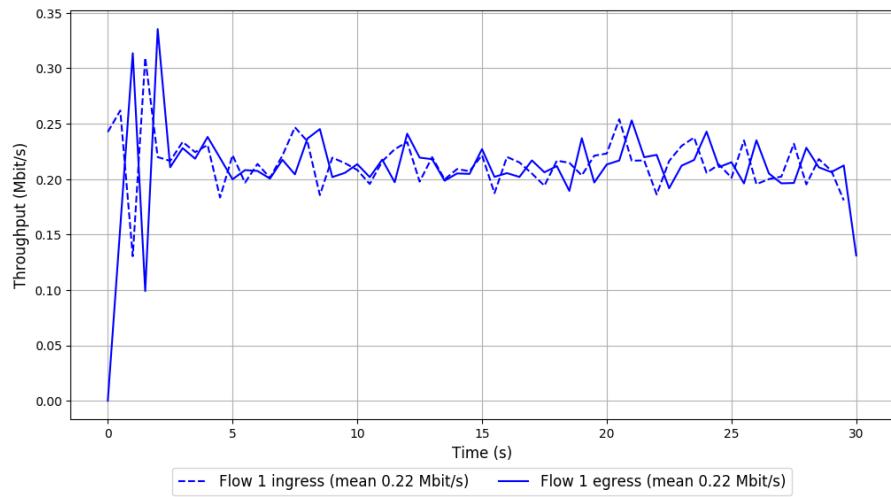


Run 1: Statistics of SCReAM

```
Start at: 2018-06-29 23:22:08
End at: 2018-06-29 23:22:38
Local clock offset: -0.014 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.324 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.324 ms
Loss rate: 0.77%
```

Run 1: Report of SCReAM — Data Link

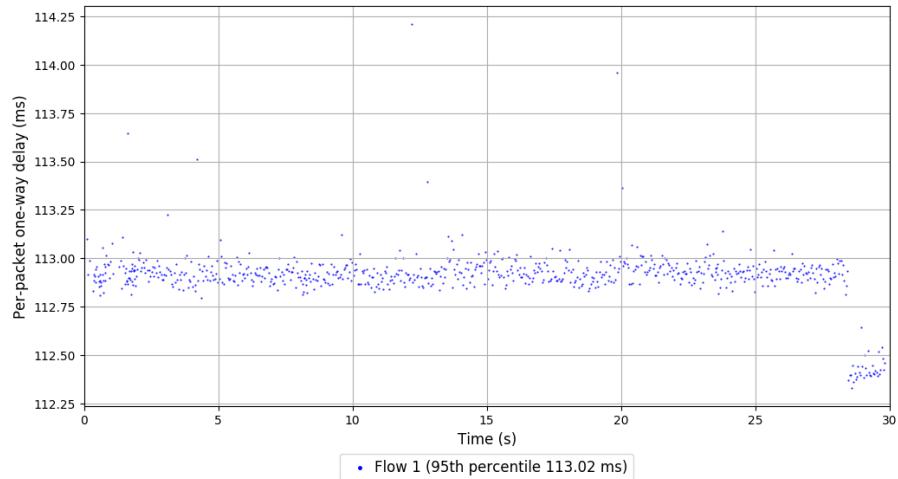
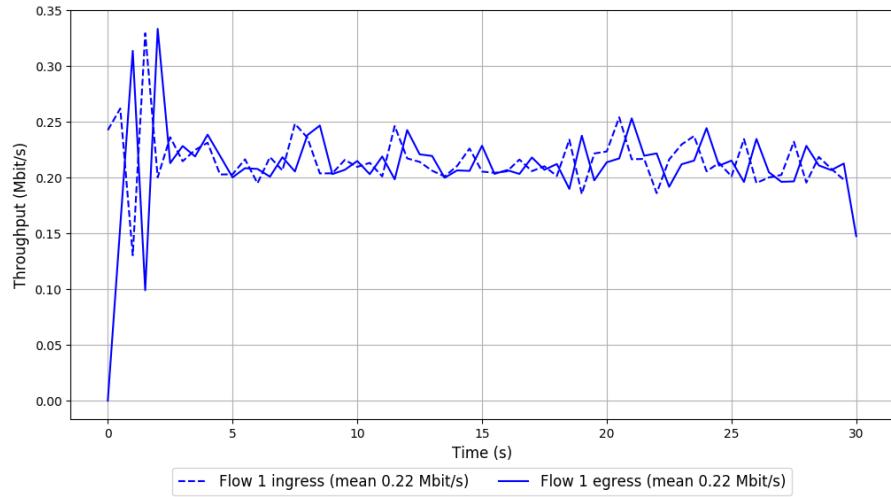


Run 2: Statistics of SCReAM

```
Start at: 2018-06-29 23:44:41
End at: 2018-06-29 23:45:11
Local clock offset: 1.305 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.018 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.018 ms
Loss rate: 0.77%
```

Run 2: Report of SCReAM — Data Link

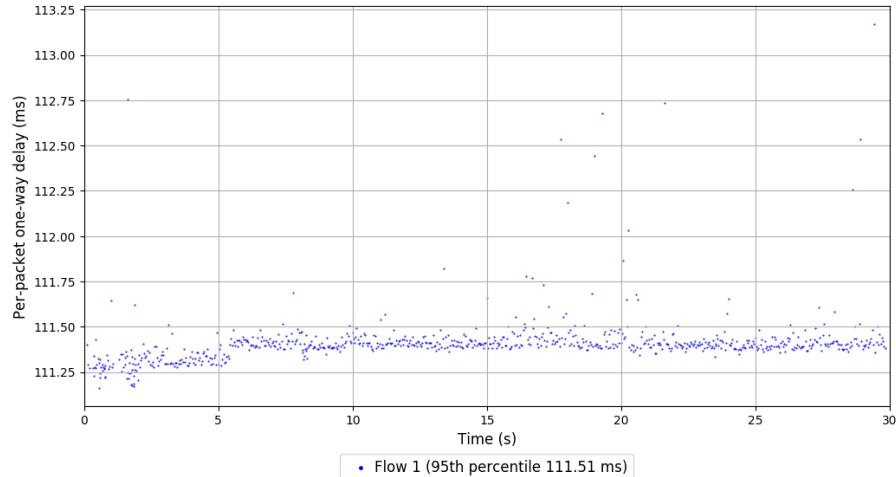
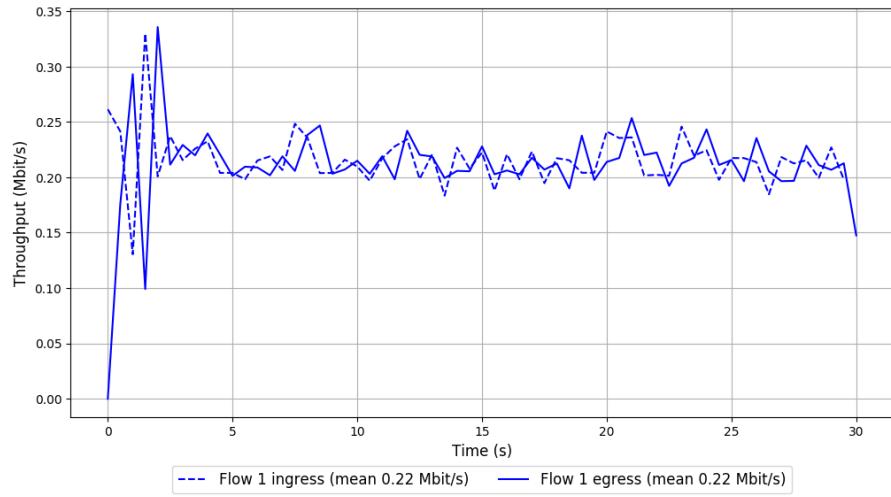


Run 3: Statistics of SCReAM

```
Start at: 2018-06-30 00:06:44
End at: 2018-06-30 00:07:14
Local clock offset: 0.025 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.513 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.513 ms
Loss rate: 0.77%
```

Run 3: Report of SCReAM — Data Link

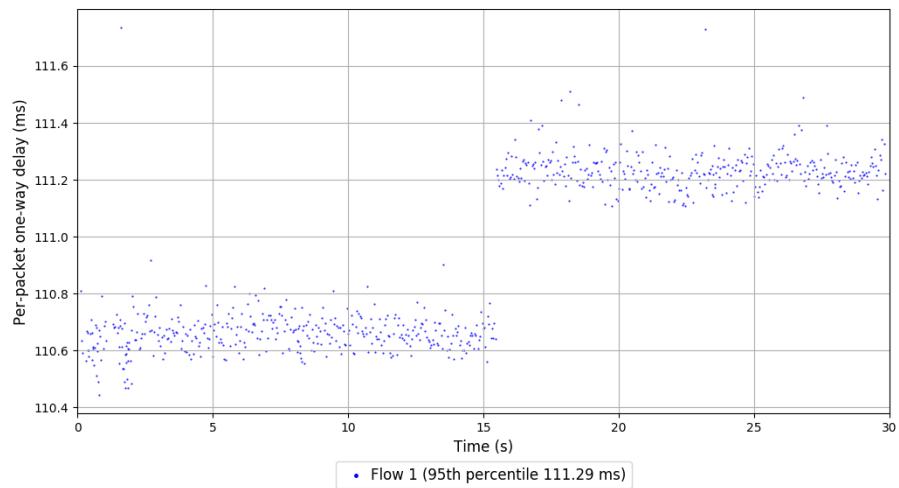
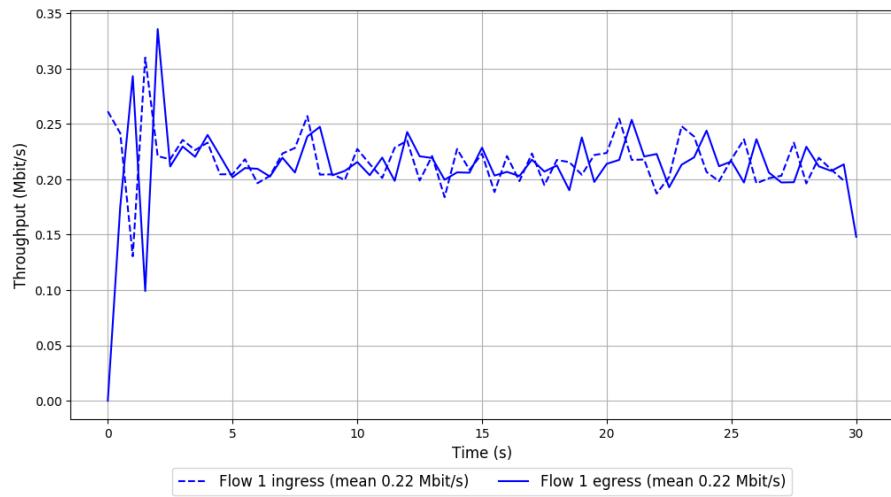


Run 4: Statistics of SCReAM

```
Start at: 2018-06-30 00:28:44
End at: 2018-06-30 00:29:14
Local clock offset: 0.244 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.294 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.294 ms
Loss rate: 0.77%
```

Run 4: Report of SCReAM — Data Link

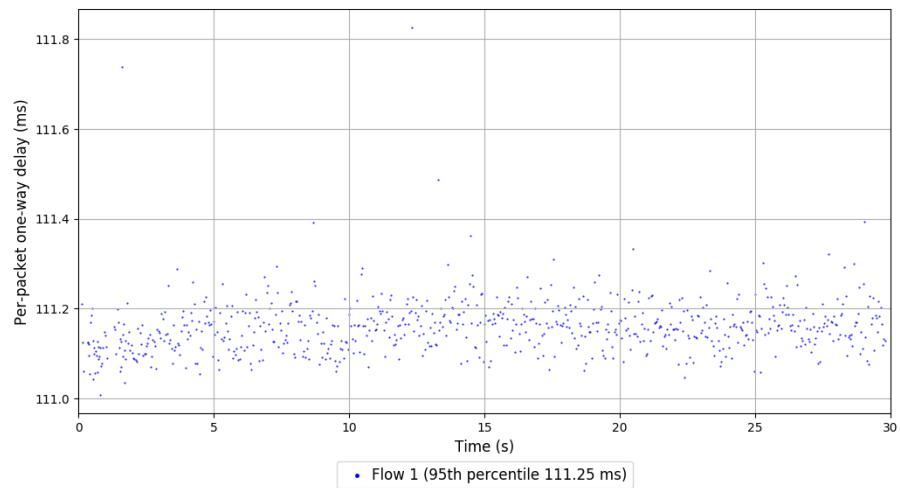
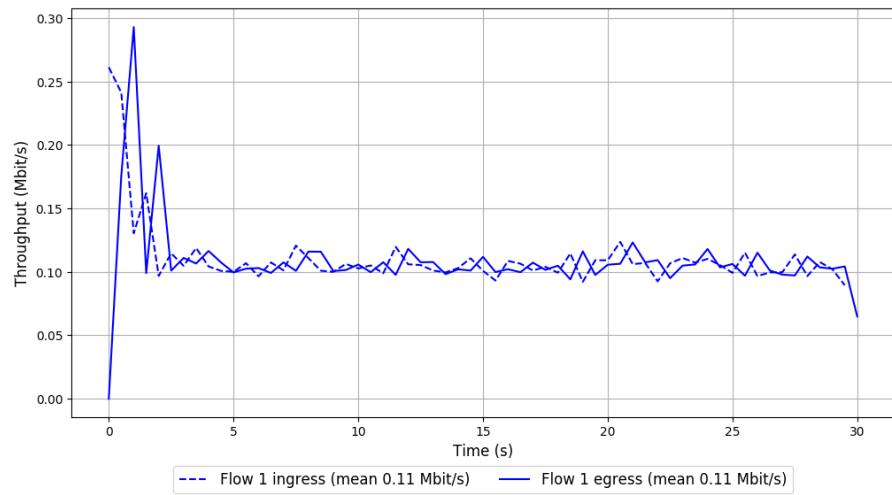


Run 5: Statistics of SCReAM

```
Start at: 2018-06-30 00:51:04
End at: 2018-06-30 00:51:34
Local clock offset: 0.002 ms
Remote clock offset: 0.1 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 111.249 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 111.249 ms
Loss rate: 0.73%
```

Run 5: Report of SCReAM — Data Link

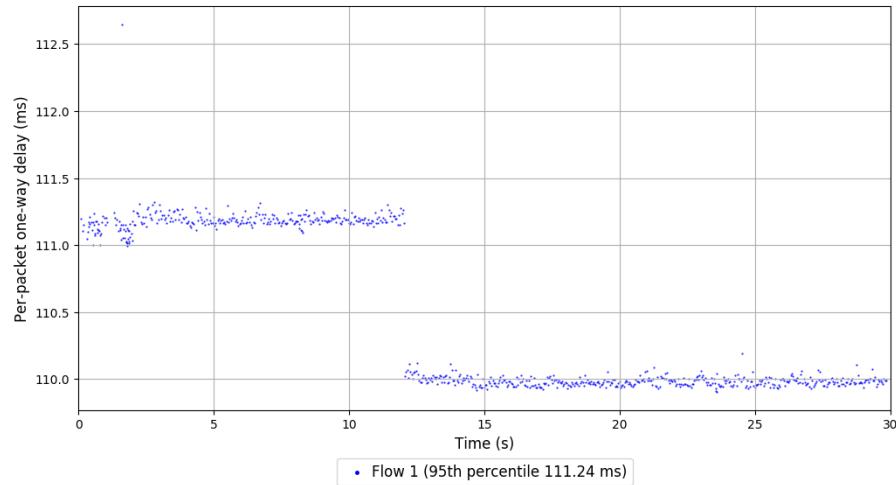
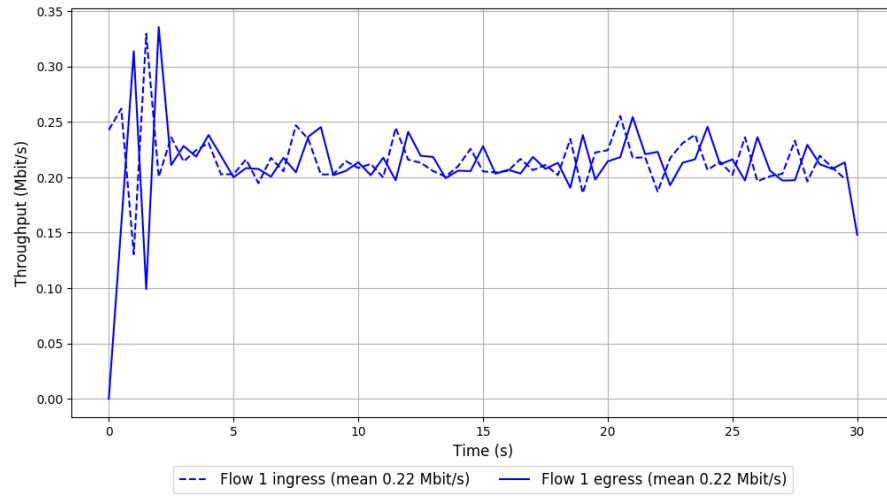


Run 6: Statistics of SCReAM

```
Start at: 2018-06-30 01:13:17
End at: 2018-06-30 01:13:47
Local clock offset: 0.029 ms
Remote clock offset: 0.509 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.240 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.240 ms
Loss rate: 0.77%
```

Run 6: Report of SCReAM — Data Link

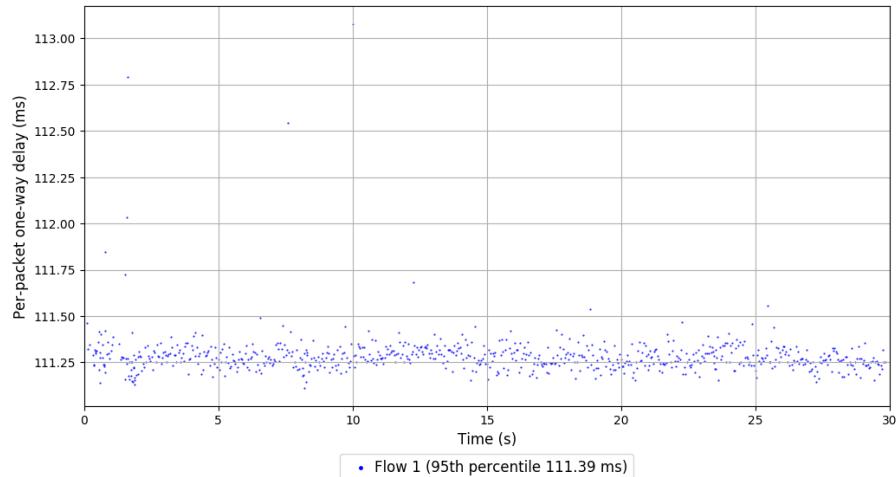
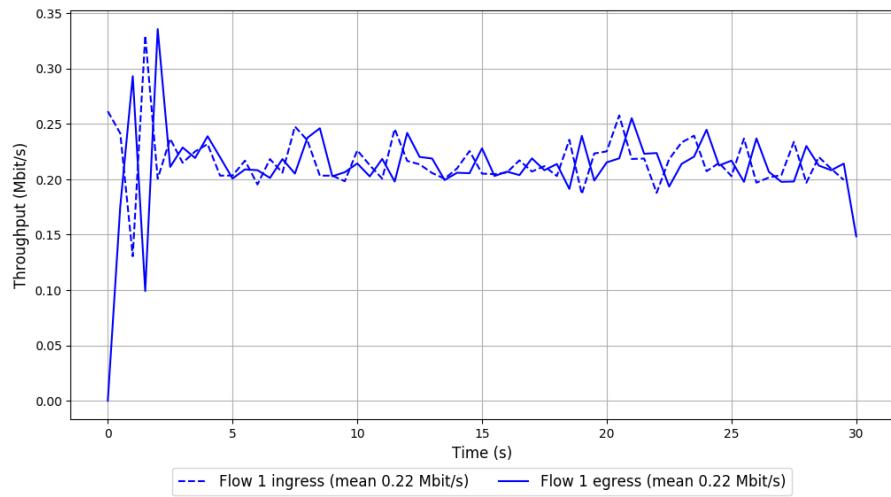


Run 7: Statistics of SCReAM

```
Start at: 2018-06-30 01:35:49
End at: 2018-06-30 01:36:19
Local clock offset: -0.016 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.386 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.386 ms
Loss rate: 0.77%
```

Run 7: Report of SCReAM — Data Link

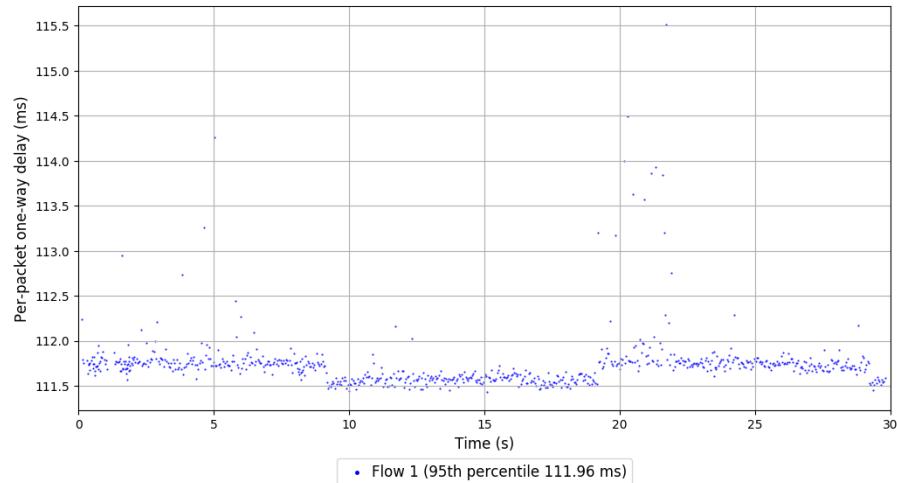
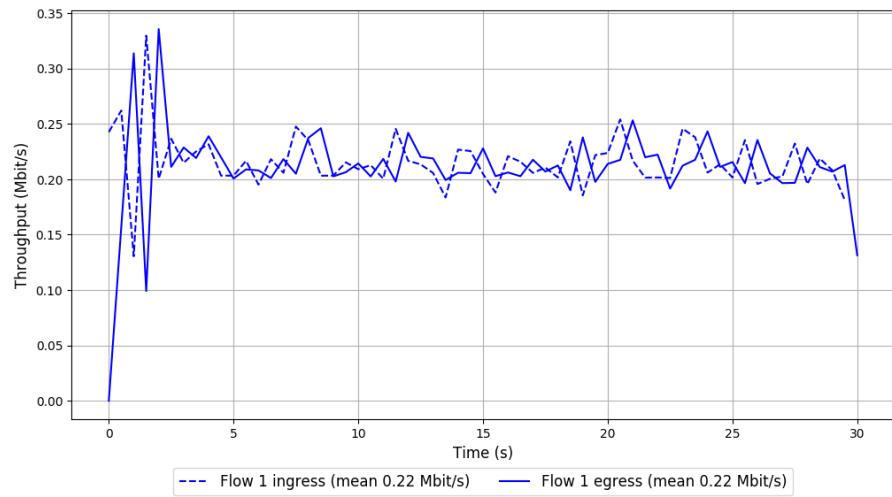


Run 8: Statistics of SCReAM

```
Start at: 2018-06-30 01:58:30
End at: 2018-06-30 01:59:00
Local clock offset: -0.123 ms
Remote clock offset: -0.367 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.959 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.959 ms
Loss rate: 0.77%
```

Run 8: Report of SCReAM — Data Link

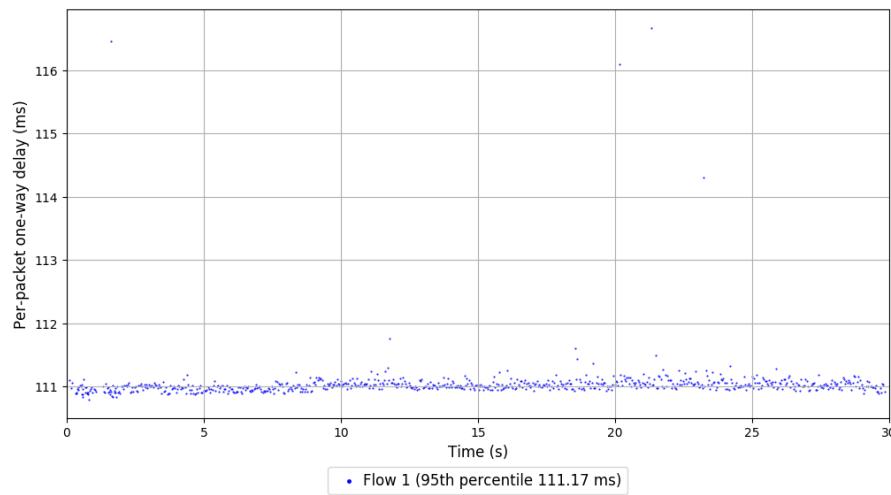
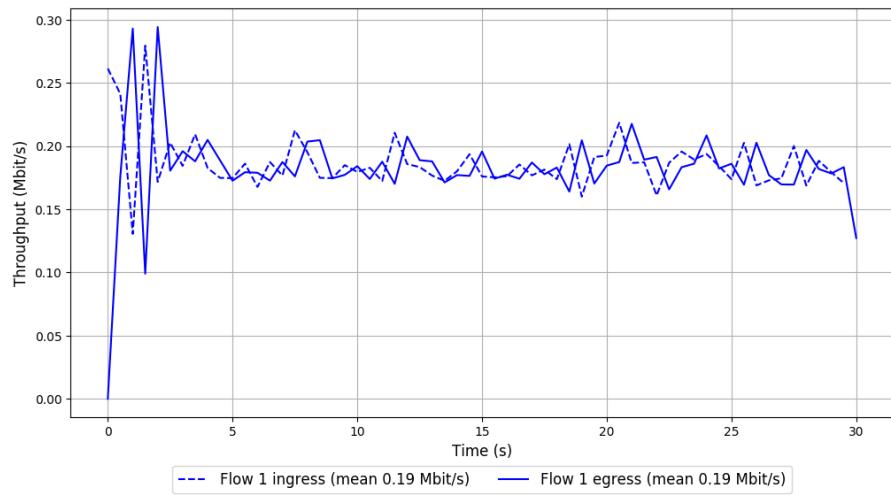


Run 9: Statistics of SCReAM

```
Start at: 2018-06-30 02:20:50
End at: 2018-06-30 02:21:20
Local clock offset: 0.075 ms
Remote clock offset: 0.362 ms

# Below is generated by plot.py at 2018-06-30 03:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.169 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.169 ms
Loss rate: 0.77%
```

Run 9: Report of SCReAM — Data Link

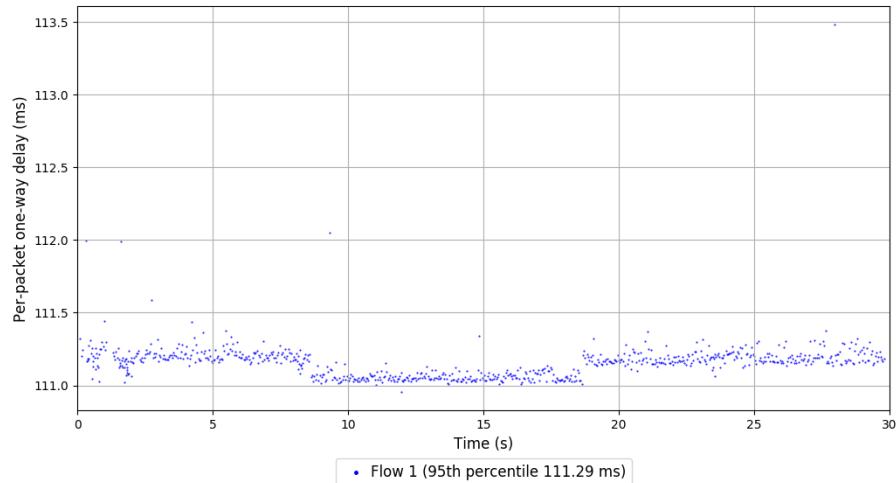
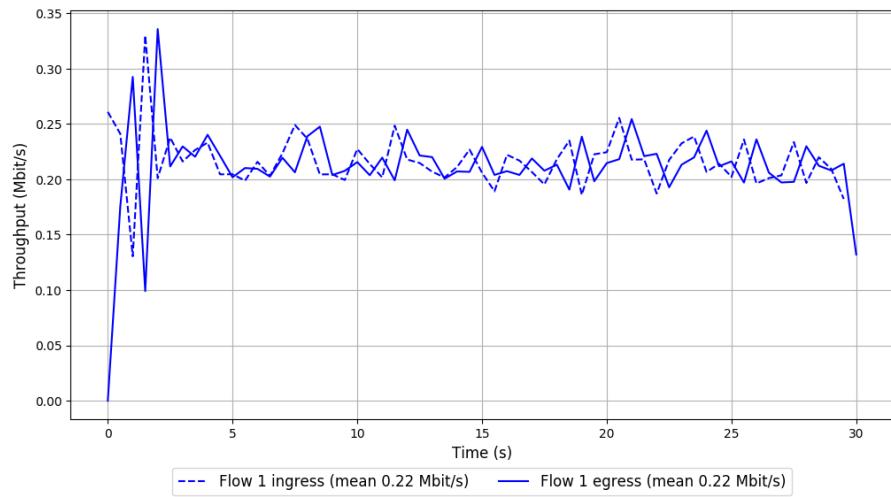


Run 10: Statistics of SCReAM

```
Start at: 2018-06-30 02:43:01
End at: 2018-06-30 02:43:31
Local clock offset: 0.156 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.286 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.286 ms
Loss rate: 0.77%
```

Run 10: Report of SCReAM — Data Link

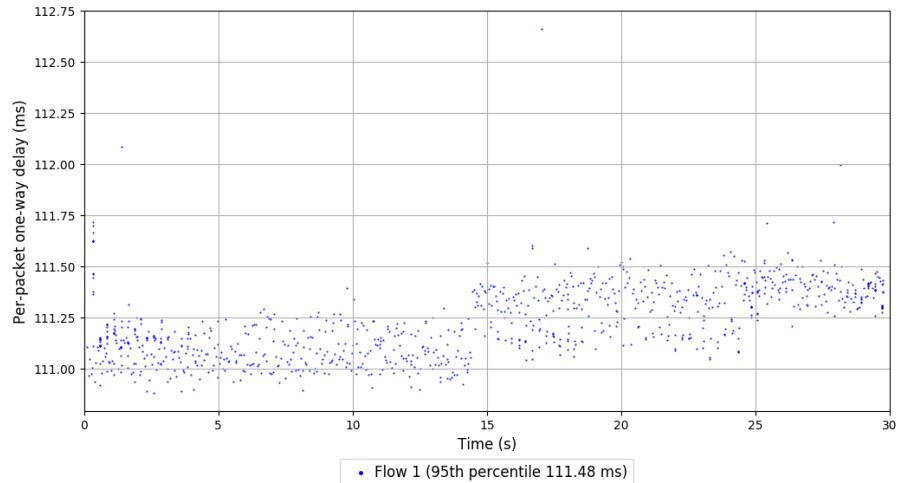
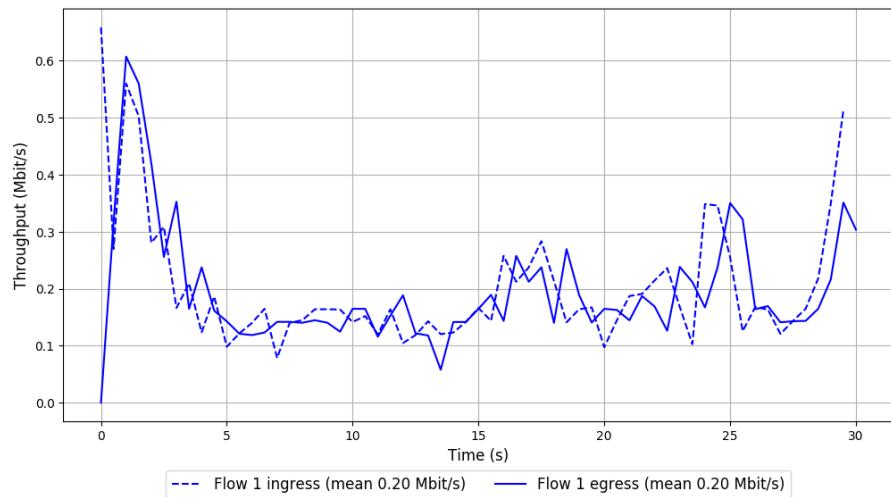


Run 1: Statistics of Sprout

```
Start at: 2018-06-29 23:19:35
End at: 2018-06-29 23:20:05
Local clock offset: 0.219 ms
Remote clock offset: 0.373 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.482 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.482 ms
Loss rate: 1.74%
```

Run 1: Report of Sprout — Data Link

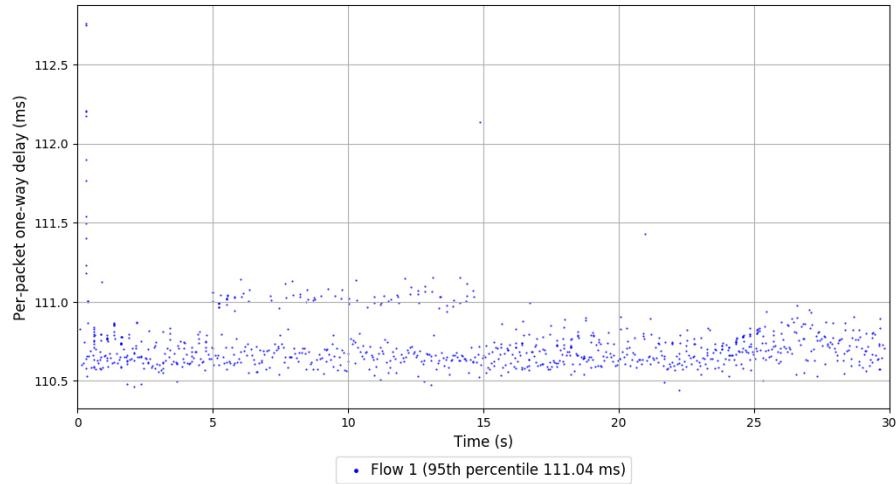
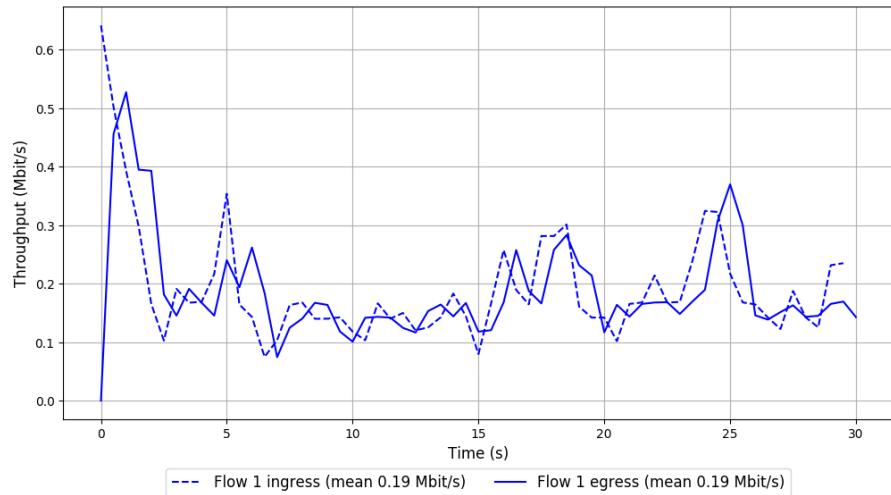


Run 2: Statistics of Sprout

```
Start at: 2018-06-29 23:42:04
End at: 2018-06-29 23:42:34
Local clock offset: -0.049 ms
Remote clock offset: 0.44 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.038 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.038 ms
Loss rate: 1.37%
```

Run 2: Report of Sprout — Data Link

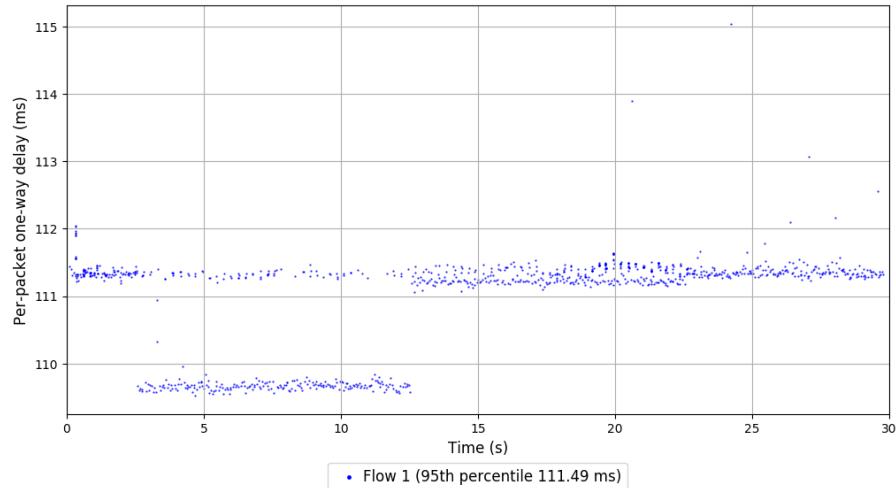
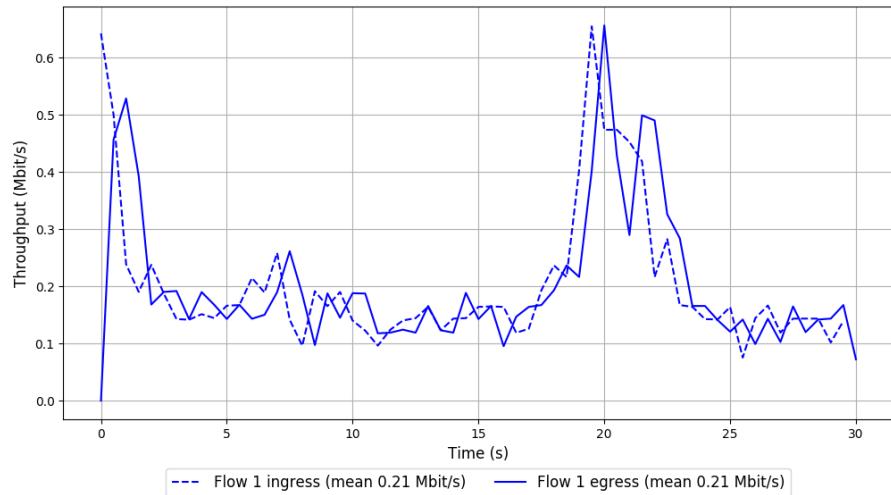


Run 3: Statistics of Sprout

```
Start at: 2018-06-30 00:04:27
End at: 2018-06-30 00:04:57
Local clock offset: -0.192 ms
Remote clock offset: -0.255 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.490 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.490 ms
Loss rate: 0.57%
```

Run 3: Report of Sprout — Data Link

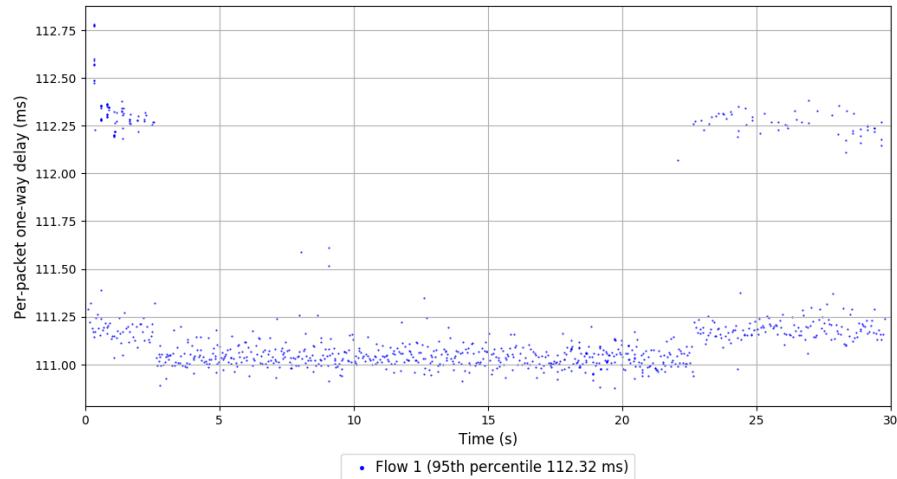
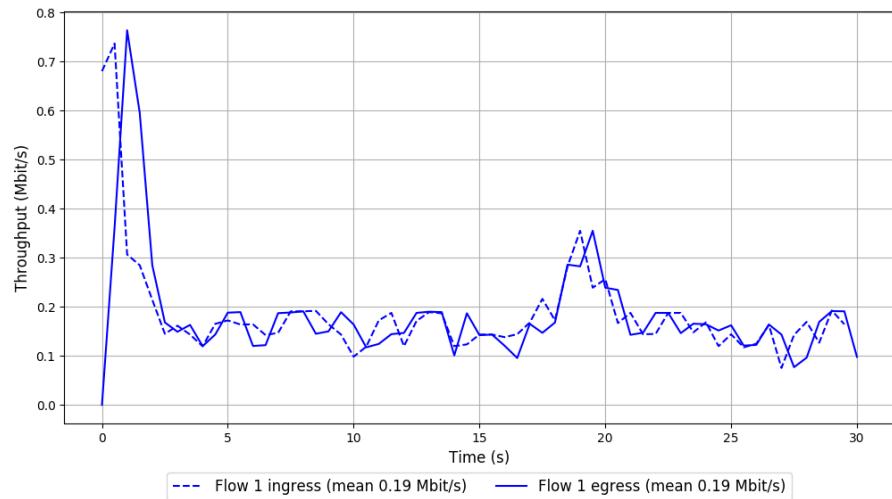


Run 4: Statistics of Sprout

```
Start at: 2018-06-30 00:26:27
End at: 2018-06-30 00:26:57
Local clock offset: -0.096 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.316 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.316 ms
Loss rate: 0.63%
```

Run 4: Report of Sprout — Data Link

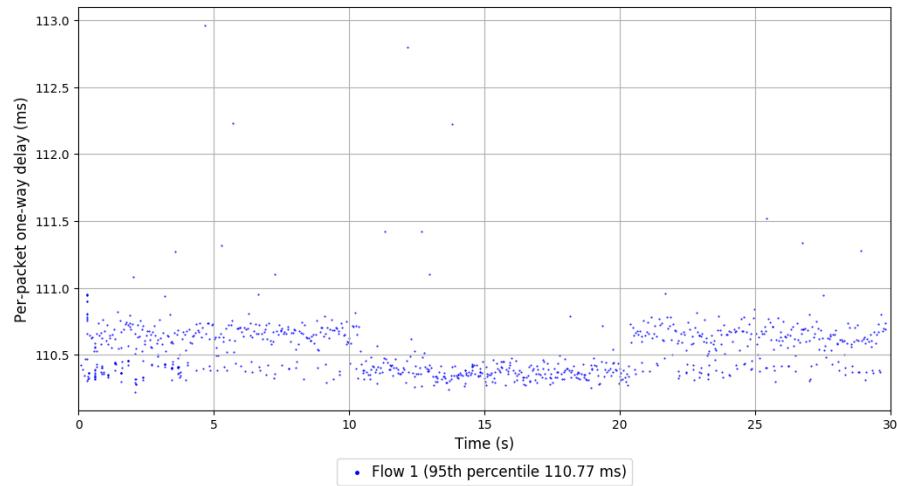
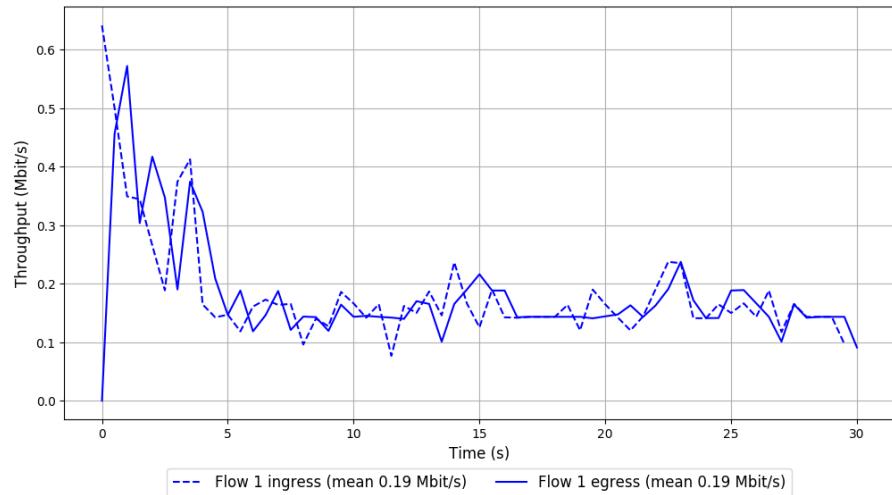


Run 5: Statistics of Sprout

```
Start at: 2018-06-30 00:48:29
End at: 2018-06-30 00:48:59
Local clock offset: -1.273 ms
Remote clock offset: -0.333 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.772 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.772 ms
Loss rate: 0.66%
```

Run 5: Report of Sprout — Data Link

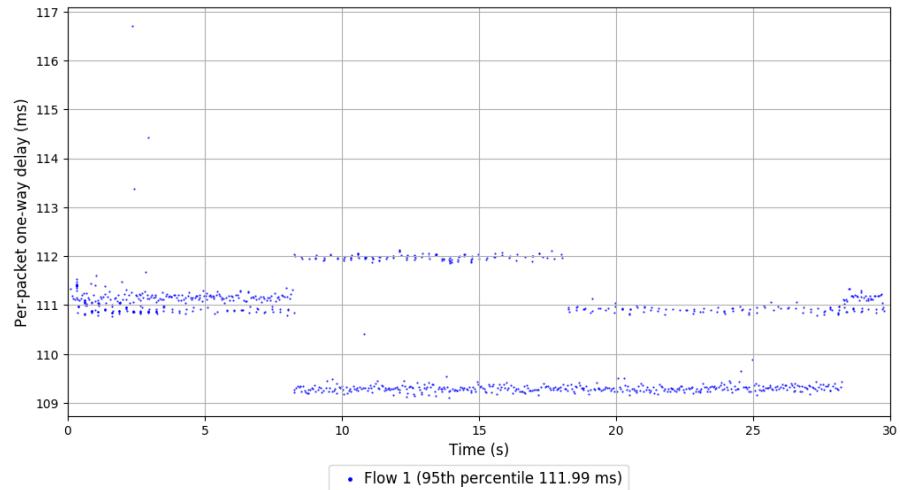
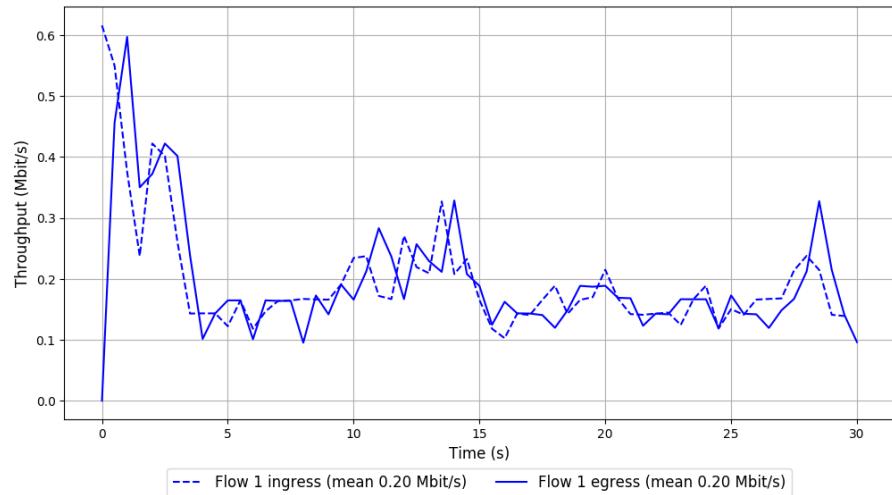


Run 6: Statistics of Sprout

```
Start at: 2018-06-30 01:10:41
End at: 2018-06-30 01:11:11
Local clock offset: 0.041 ms
Remote clock offset: 0.483 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.990 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.990 ms
Loss rate: 0.39%
```

Run 6: Report of Sprout — Data Link

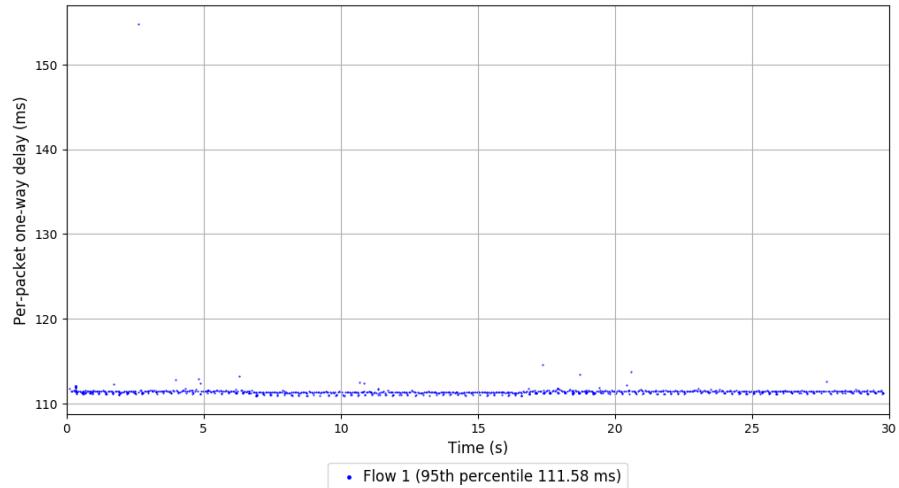
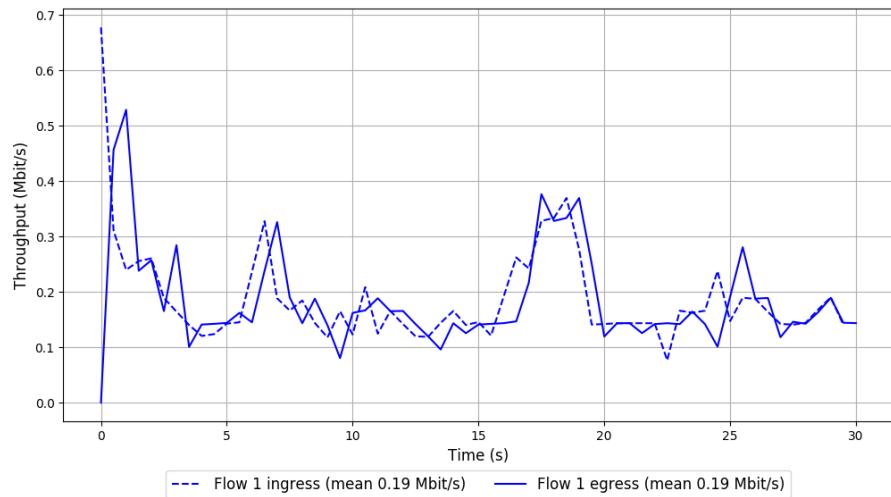


Run 7: Statistics of Sprout

```
Start at: 2018-06-30 01:33:12
End at: 2018-06-30 01:33:42
Local clock offset: -0.057 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.580 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.580 ms
Loss rate: 0.41%
```

Run 7: Report of Sprout — Data Link

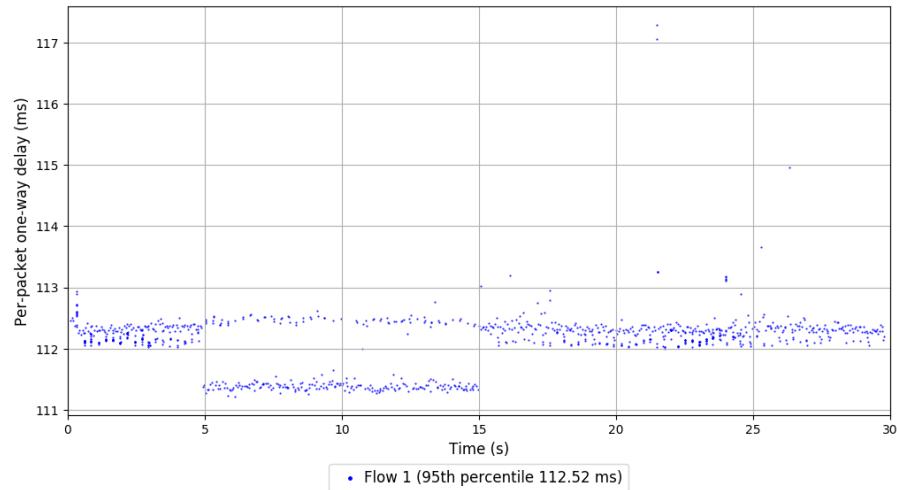
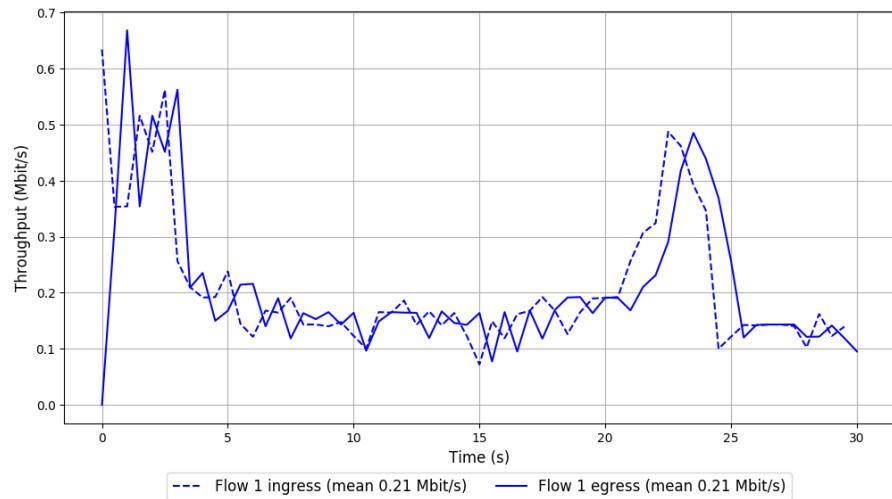


Run 8: Statistics of Sprout

```
Start at: 2018-06-30 01:55:54
End at: 2018-06-30 01:56:24
Local clock offset: 1.223 ms
Remote clock offset: 0.369 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.520 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.520 ms
Loss rate: 0.56%
```

Run 8: Report of Sprout — Data Link

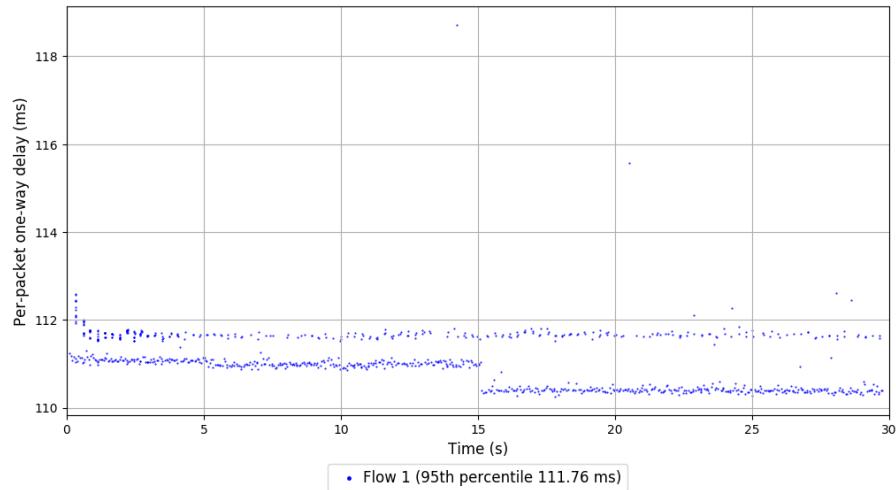
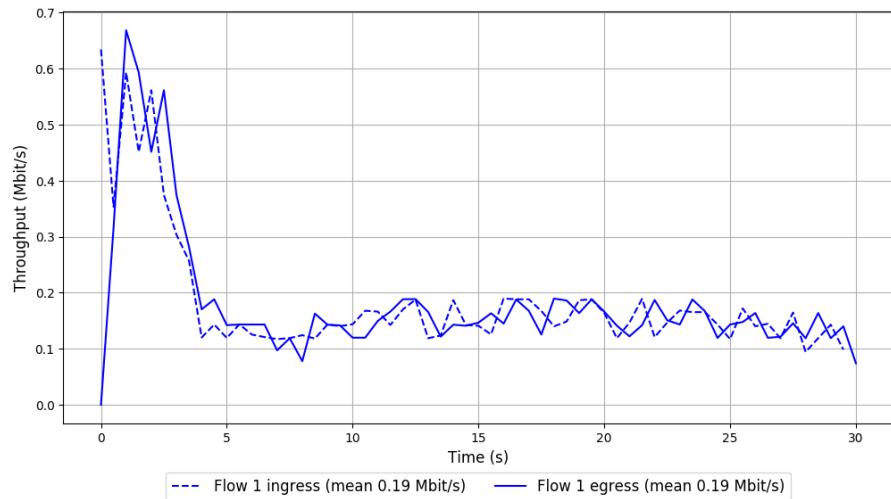


Run 9: Statistics of Sprout

```
Start at: 2018-06-30 02:18:14
End at: 2018-06-30 02:18:44
Local clock offset: -0.038 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.757 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.757 ms
Loss rate: 0.43%
```

Run 9: Report of Sprout — Data Link

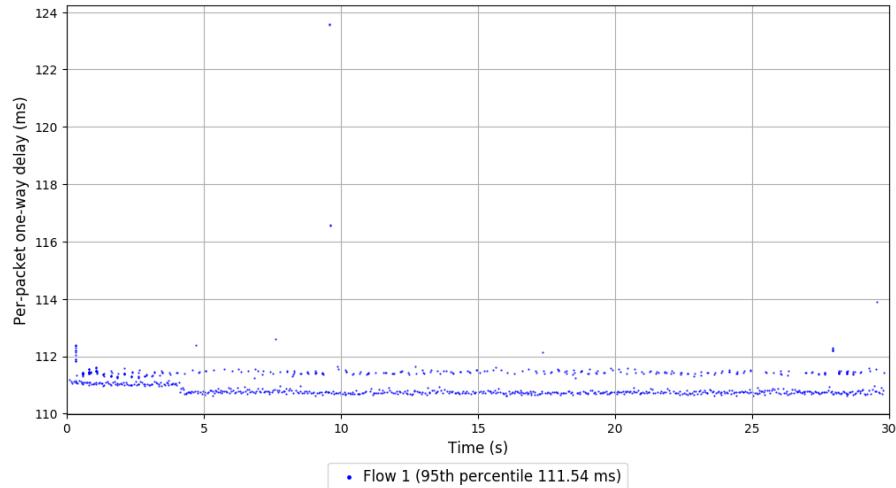
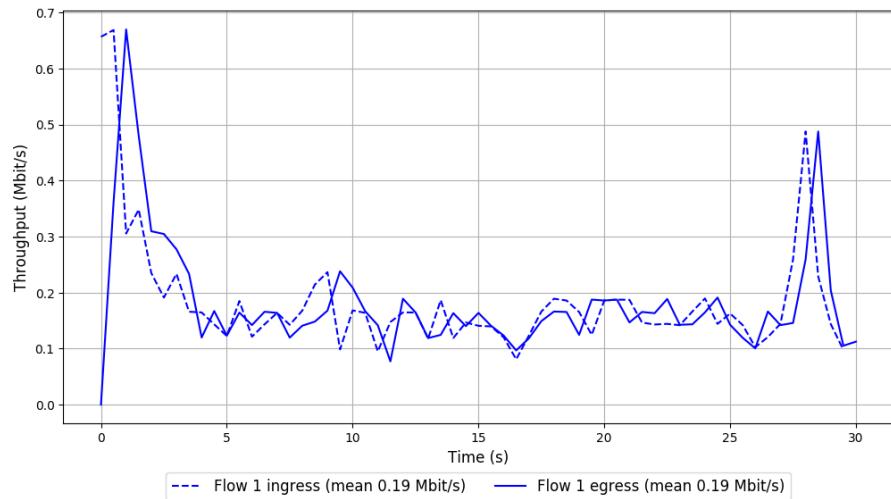


Run 10: Statistics of Sprout

```
Start at: 2018-06-30 02:40:25
End at: 2018-06-30 02:40:55
Local clock offset: -0.114 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-06-30 03:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.542 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.542 ms
Loss rate: 0.47%
```

Run 10: Report of Sprout — Data Link

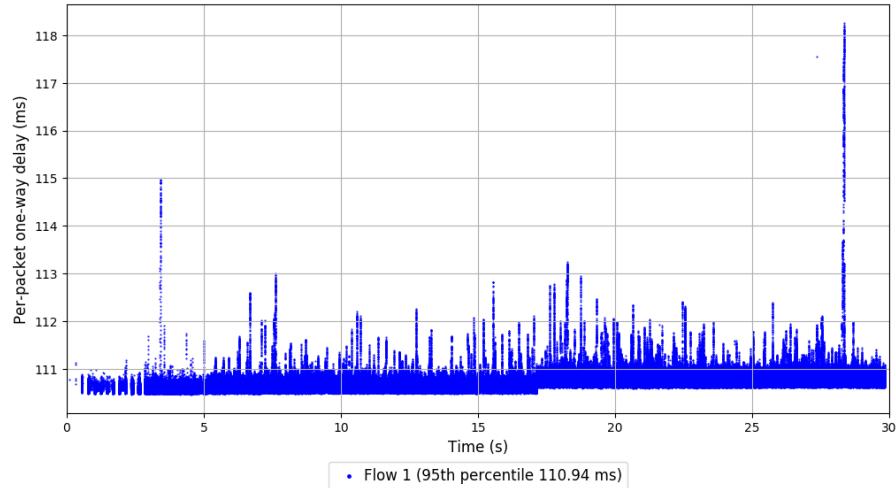
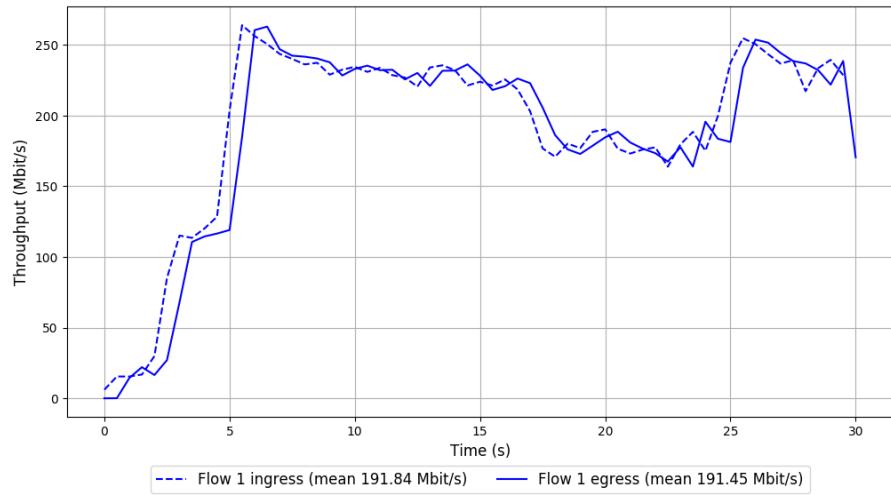


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-29 23:20:42
End at: 2018-06-29 23:21:12
Local clock offset: -0.05 ms
Remote clock offset: 0.412 ms

# Below is generated by plot.py at 2018-06-30 03:59:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.45 Mbit/s
95th percentile per-packet one-way delay: 110.942 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 191.45 Mbit/s
95th percentile per-packet one-way delay: 110.942 ms
Loss rate: 0.94%
```

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

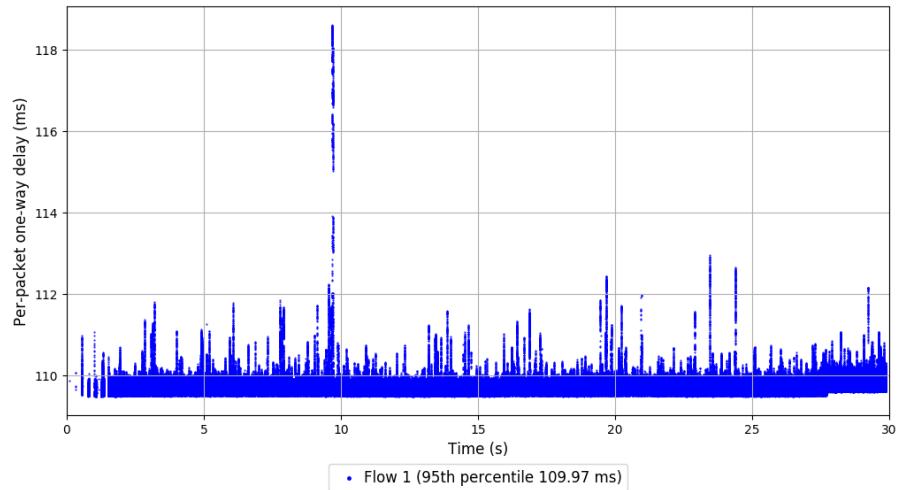
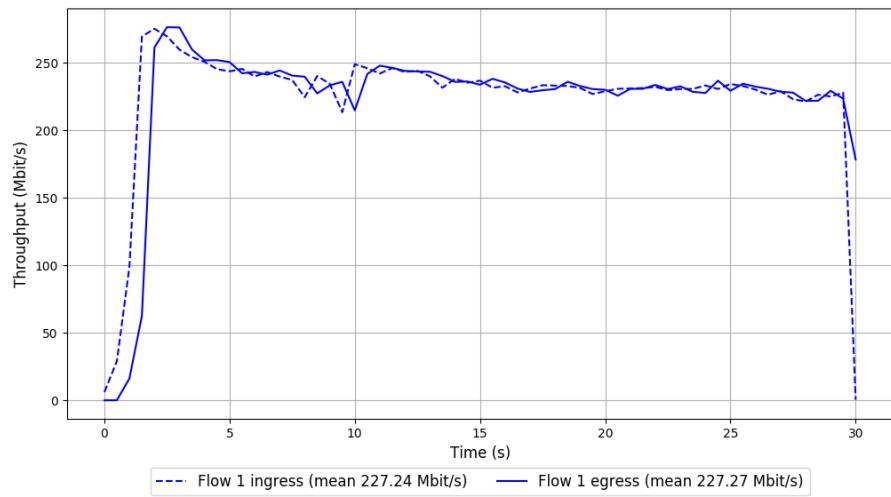


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-29 23:43:12
End at: 2018-06-29 23:43:42
Local clock offset: -1.32 ms
Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2018-06-30 03:59:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.27 Mbit/s
95th percentile per-packet one-way delay: 109.970 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 227.27 Mbit/s
95th percentile per-packet one-way delay: 109.970 ms
Loss rate: 0.73%
```

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

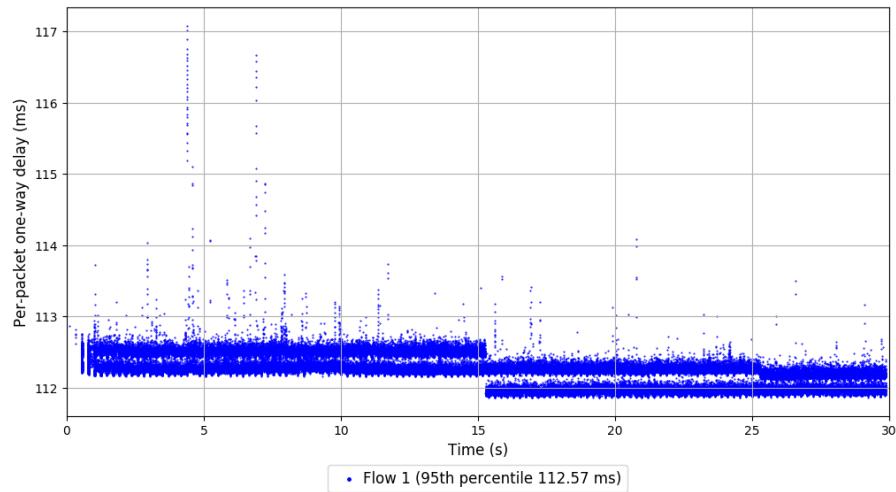
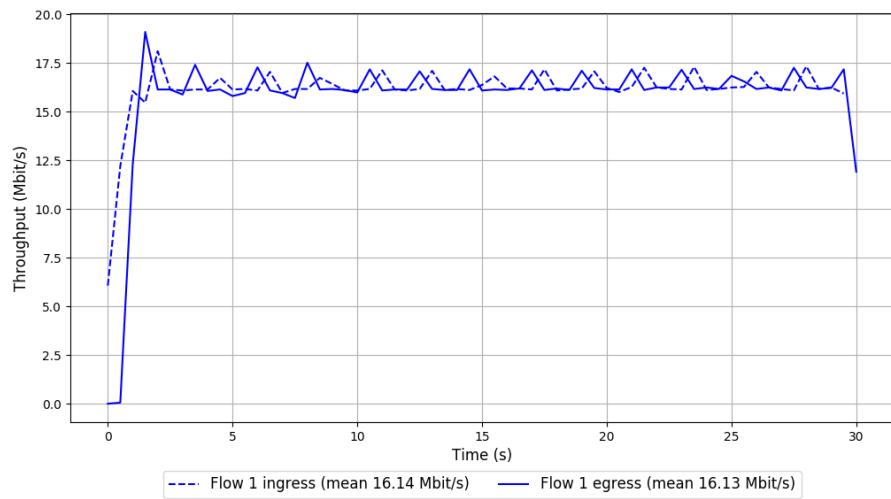


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-30 00:05:34
End at: 2018-06-30 00:06:04
Local clock offset: 1.207 ms
Remote clock offset: 0.108 ms

# Below is generated by plot.py at 2018-06-30 03:59:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 112.569 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 112.569 ms
Loss rate: 0.75%
```

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

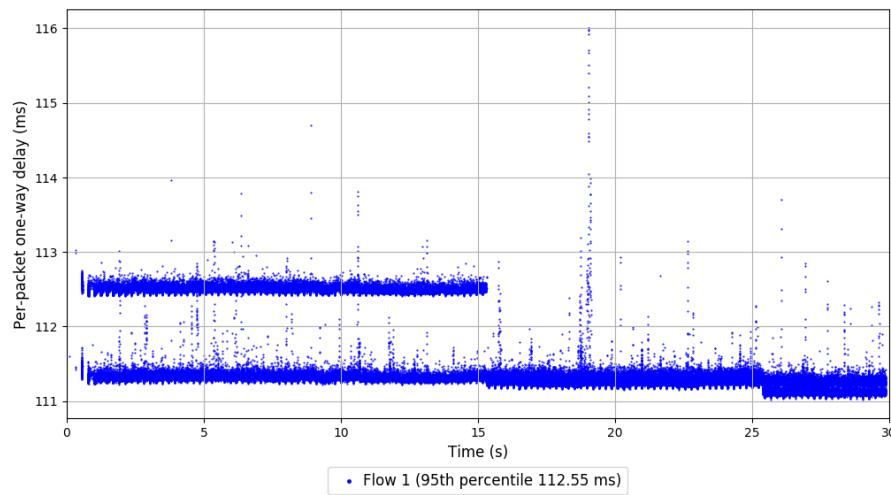
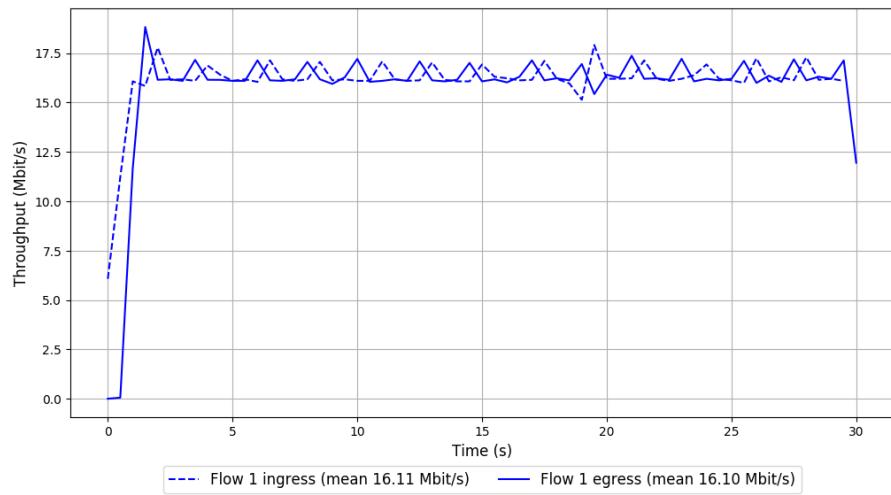


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-30 00:27:34
End at: 2018-06-30 00:28:04
Local clock offset: -0.03 ms
Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2018-06-30 03:59:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 112.550 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 112.550 ms
Loss rate: 0.76%
```

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

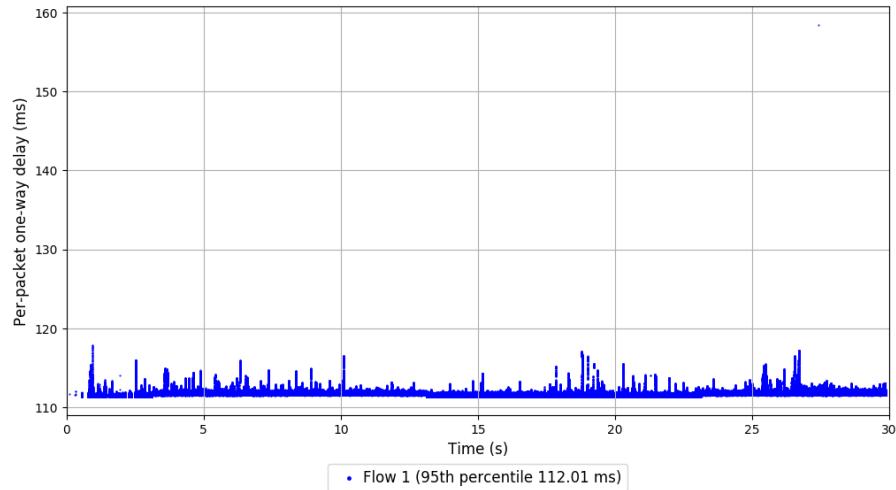
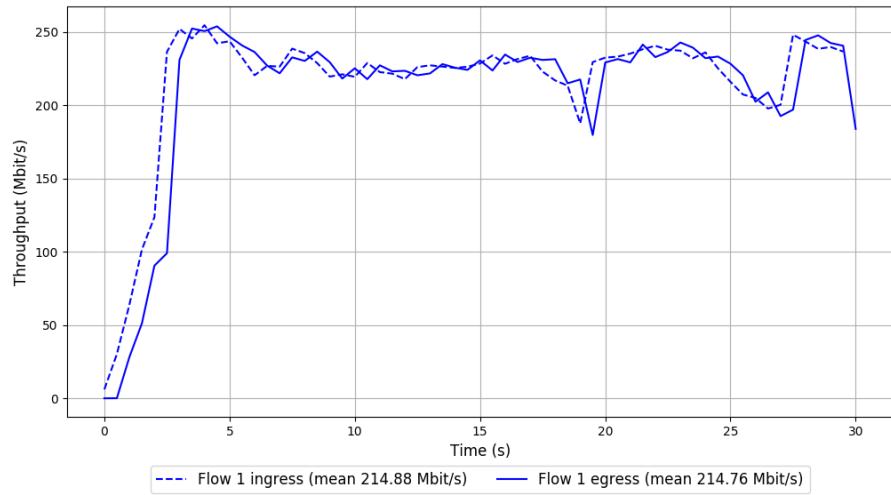


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-30 00:49:36
End at: 2018-06-30 00:50:06
Local clock offset: 0.176 ms
Remote clock offset: -0.252 ms

# Below is generated by plot.py at 2018-06-30 04:00:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.76 Mbit/s
95th percentile per-packet one-way delay: 112.006 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 214.76 Mbit/s
95th percentile per-packet one-way delay: 112.006 ms
Loss rate: 0.80%
```

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

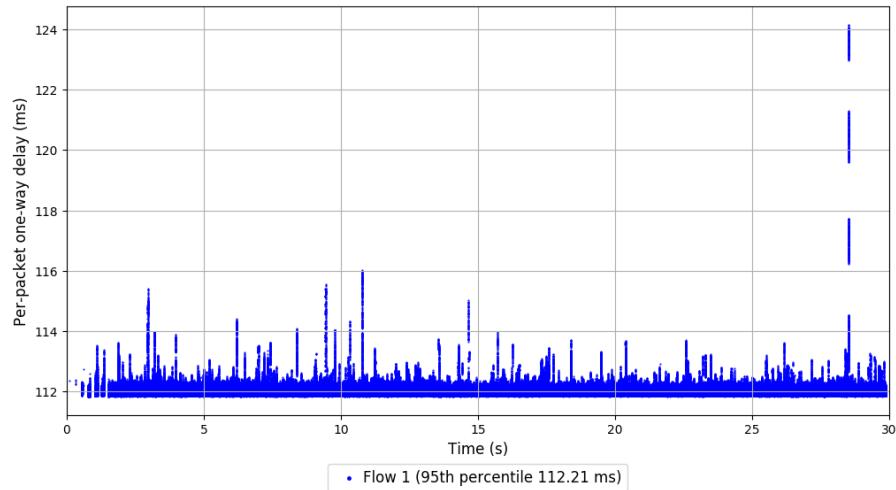
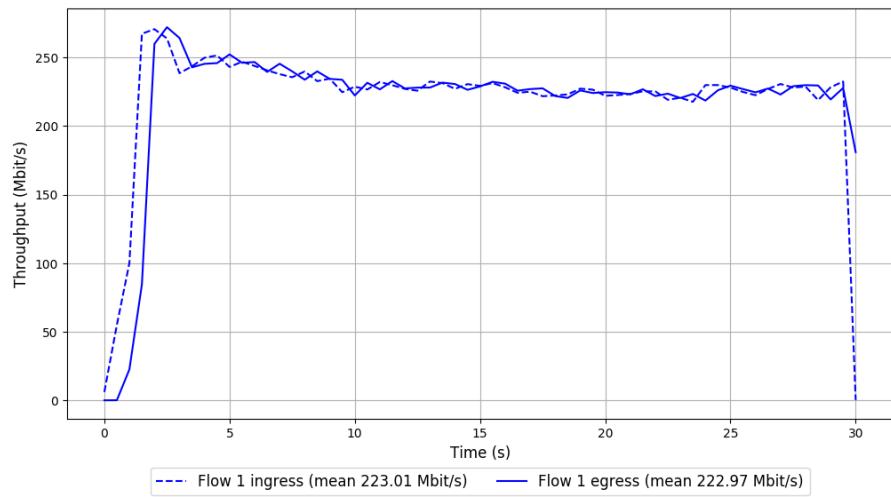


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-30 01:11:48
End at: 2018-06-30 01:12:18
Local clock offset: 1.26 ms
Remote clock offset: 0.486 ms

# Below is generated by plot.py at 2018-06-30 04:00:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.97 Mbit/s
95th percentile per-packet one-way delay: 112.207 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 222.97 Mbit/s
95th percentile per-packet one-way delay: 112.207 ms
Loss rate: 0.76%
```

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

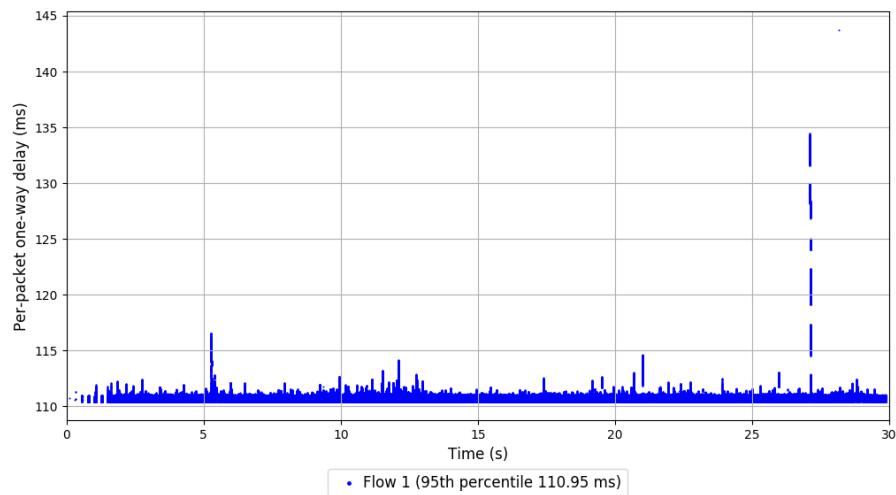
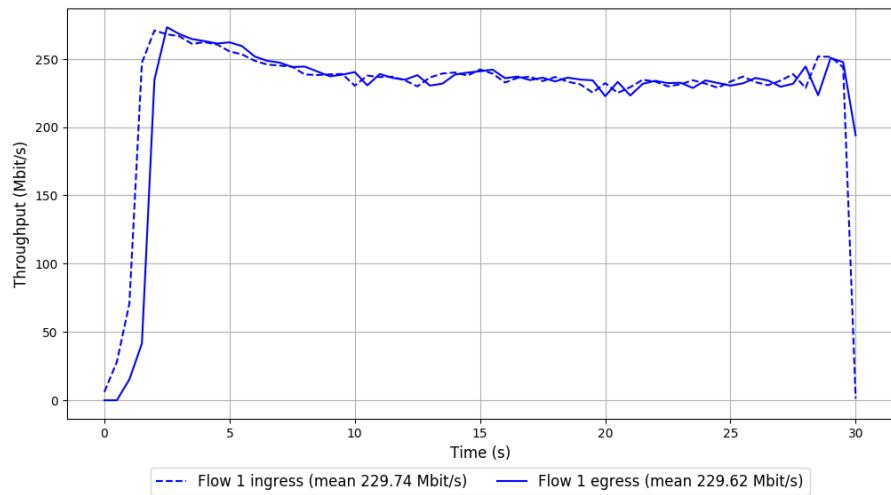


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-30 01:34:20
End at: 2018-06-30 01:34:50
Local clock offset: -0.286 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-06-30 04:03:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.62 Mbit/s
95th percentile per-packet one-way delay: 110.953 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 229.62 Mbit/s
95th percentile per-packet one-way delay: 110.953 ms
Loss rate: 0.80%
```

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

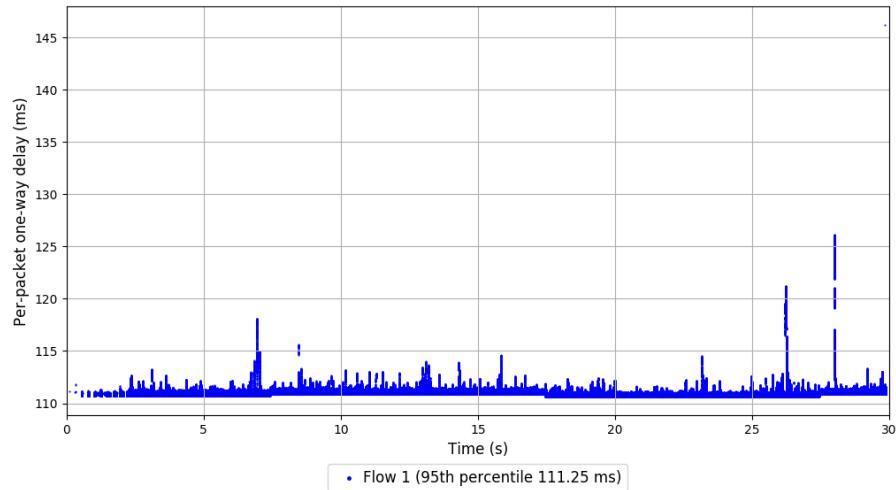
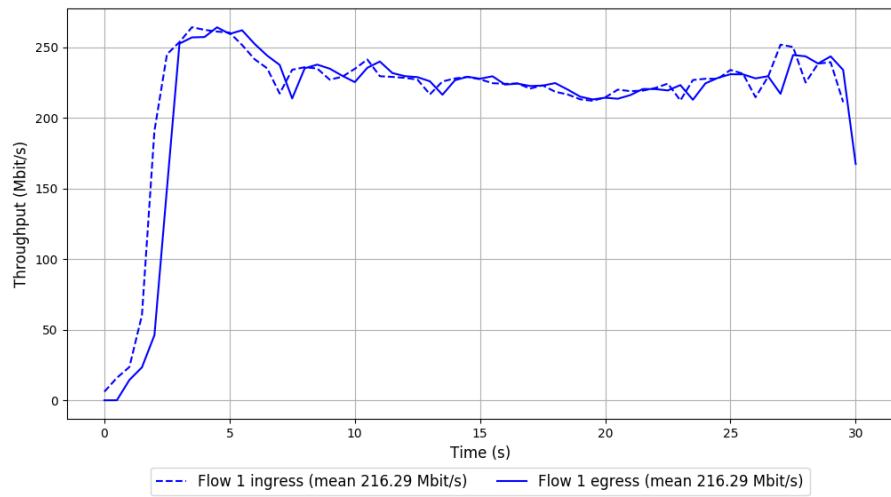


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-30 01:57:02
End at: 2018-06-30 01:57:32
Local clock offset: -0.315 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-06-30 04:03:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.29 Mbit/s
95th percentile per-packet one-way delay: 111.251 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 216.29 Mbit/s
95th percentile per-packet one-way delay: 111.251 ms
Loss rate: 0.75%
```

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

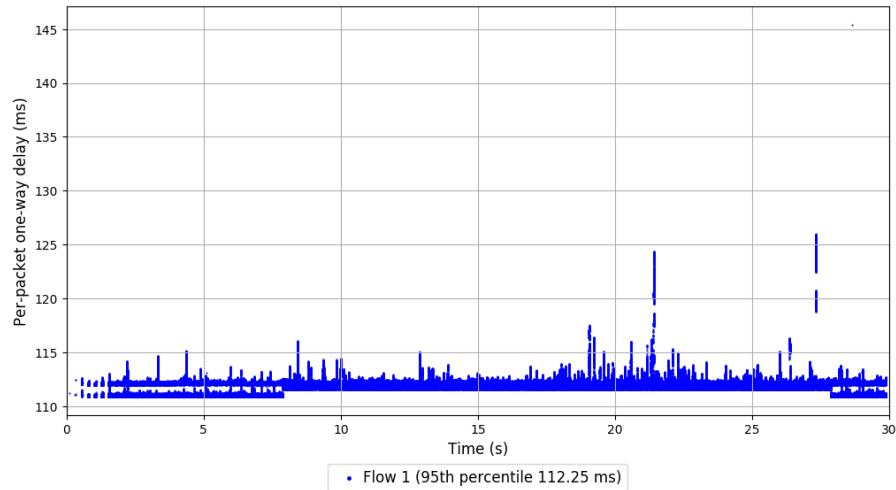
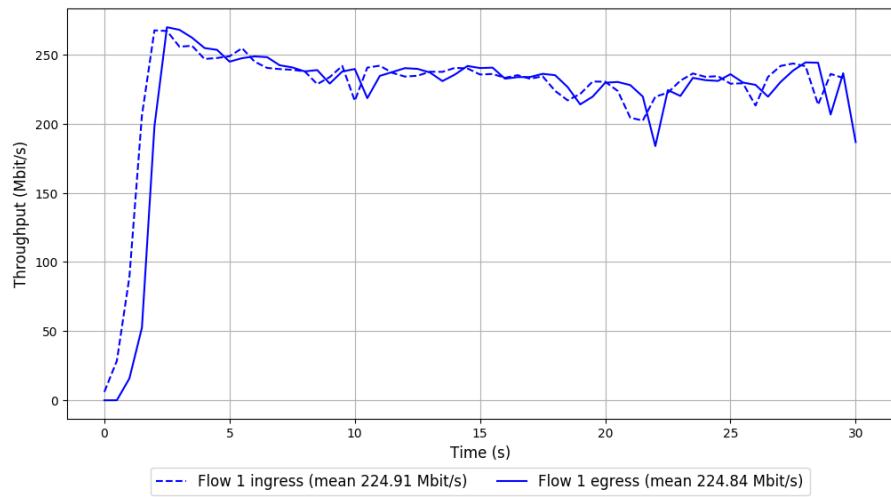


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-30 02:19:21
End at: 2018-06-30 02:19:51
Local clock offset: 1.018 ms
Remote clock offset: 0.408 ms

# Below is generated by plot.py at 2018-06-30 04:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.84 Mbit/s
95th percentile per-packet one-way delay: 112.246 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 224.84 Mbit/s
95th percentile per-packet one-way delay: 112.246 ms
Loss rate: 0.77%
```

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

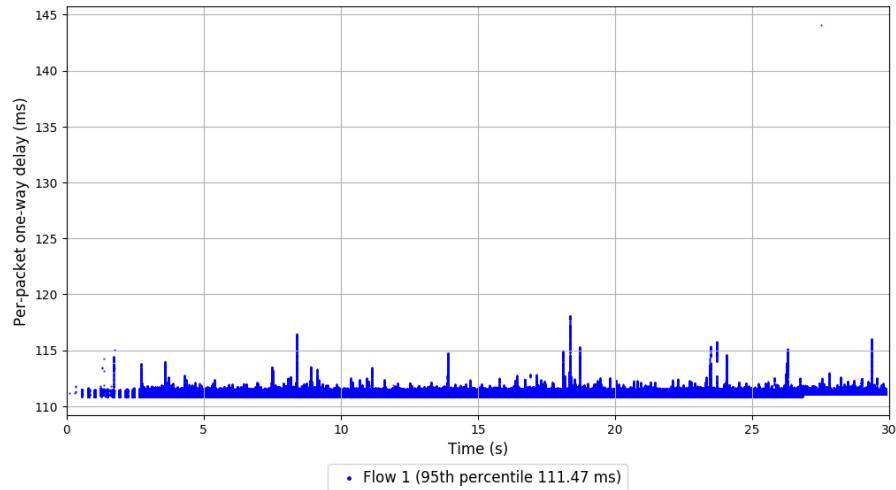
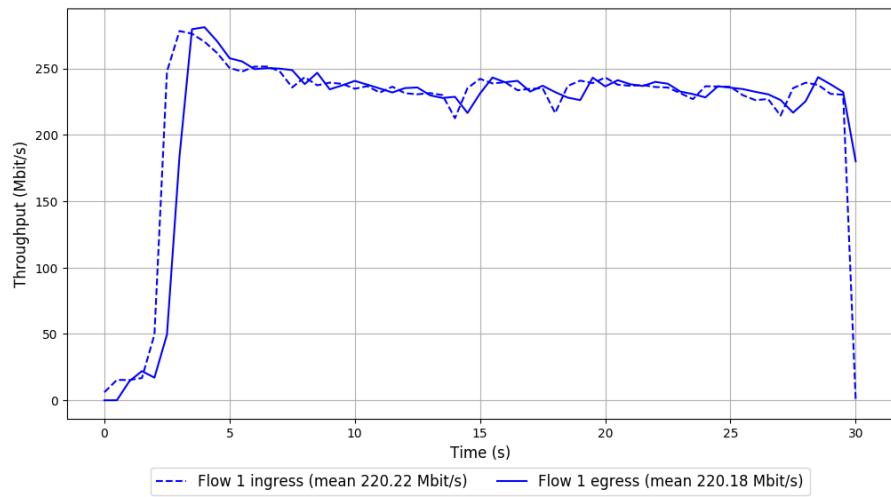


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-30 02:41:32
End at: 2018-06-30 02:42:02
Local clock offset: -0.104 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.18 Mbit/s
95th percentile per-packet one-way delay: 111.470 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 220.18 Mbit/s
95th percentile per-packet one-way delay: 111.470 ms
Loss rate: 0.76%
```

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

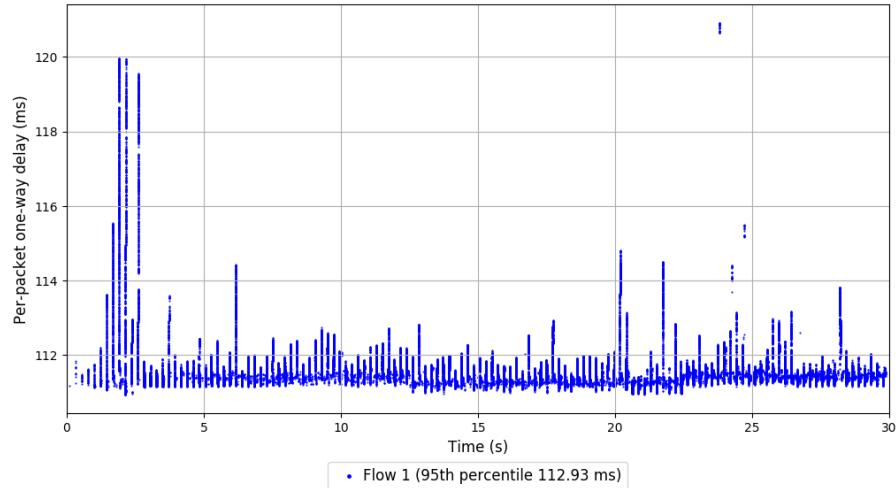
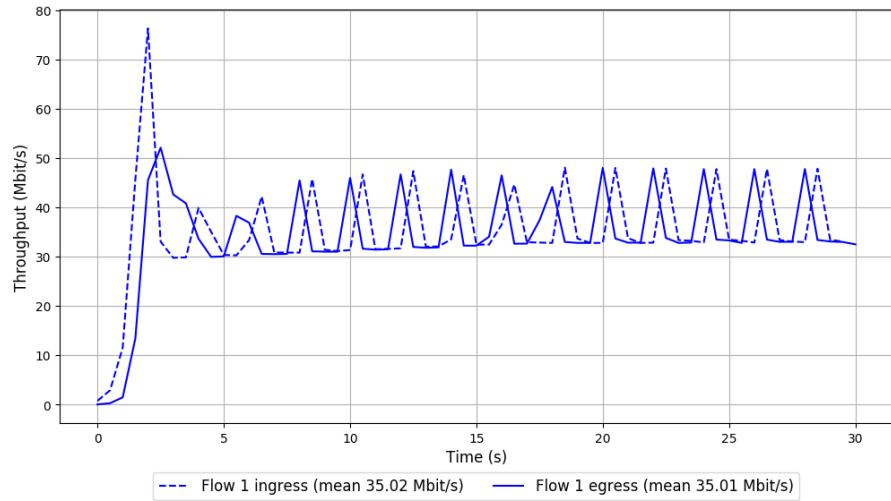


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-29 23:17:17
End at: 2018-06-29 23:17:47
Local clock offset: -0.11 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 112.934 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 112.934 ms
Loss rate: 0.78%
```

Run 1: Report of TCP Vegas — Data Link

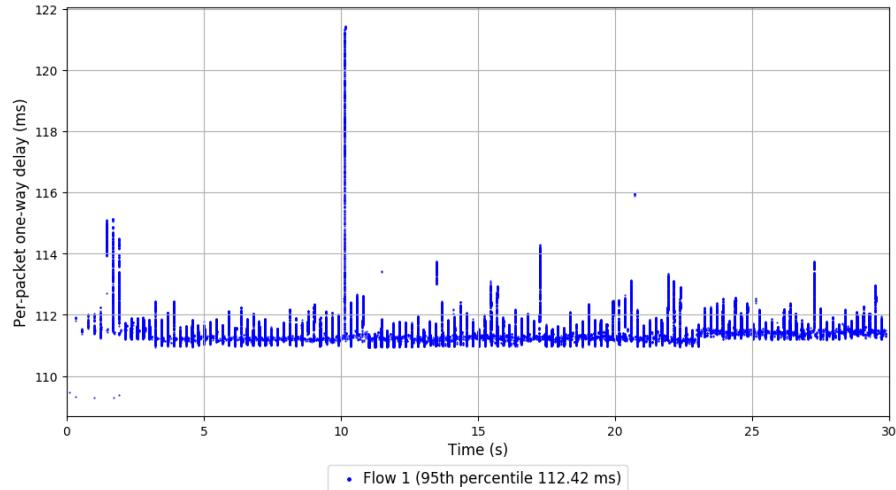
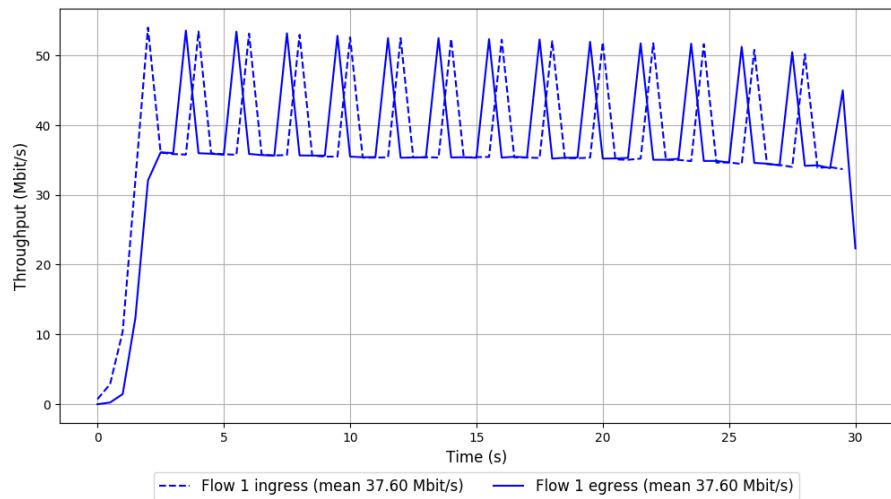


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-29 23:39:46
End at: 2018-06-29 23:40:16
Local clock offset: -0.038 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 112.423 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 112.423 ms
Loss rate: 0.74%
```

Run 2: Report of TCP Vegas — Data Link

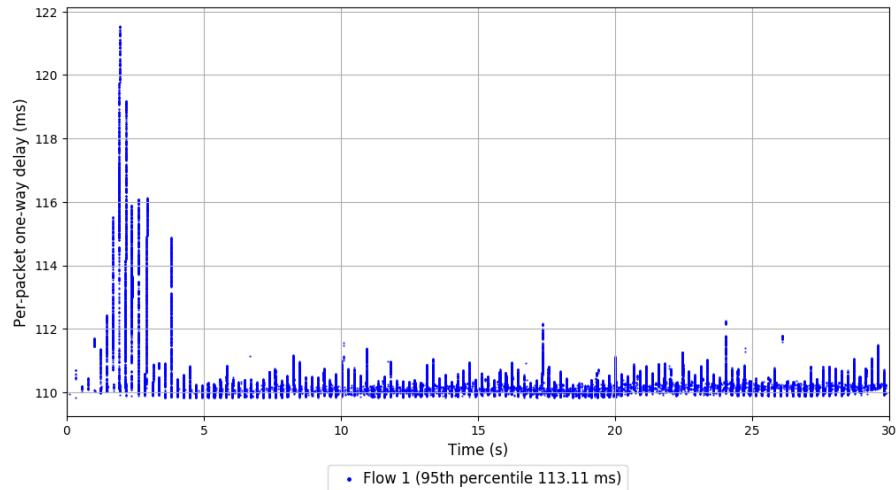
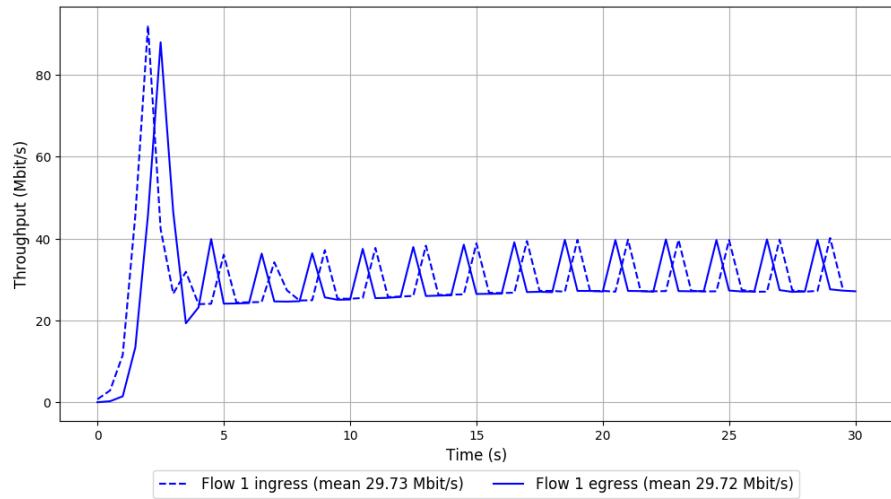


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-30 00:02:09
End at: 2018-06-30 00:02:39
Local clock offset: -1.481 ms
Remote clock offset: -0.295 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.72 Mbit/s
95th percentile per-packet one-way delay: 113.111 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 29.72 Mbit/s
95th percentile per-packet one-way delay: 113.111 ms
Loss rate: 0.77%
```

Run 3: Report of TCP Vegas — Data Link

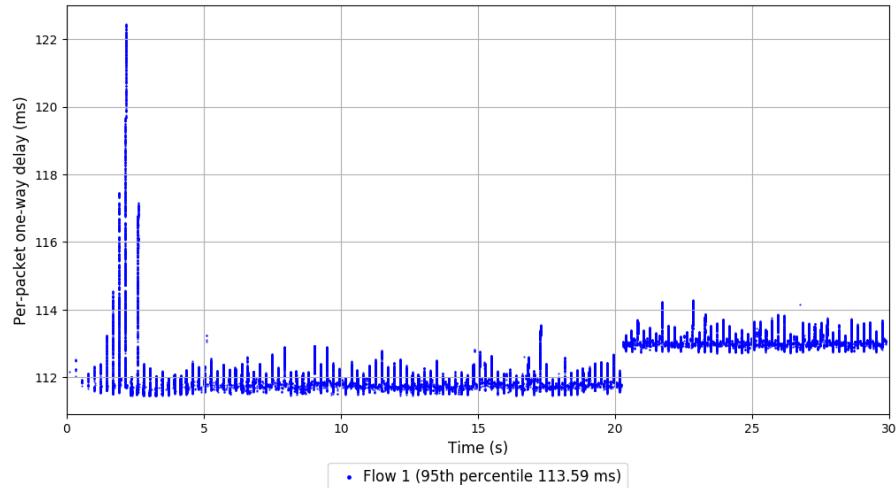
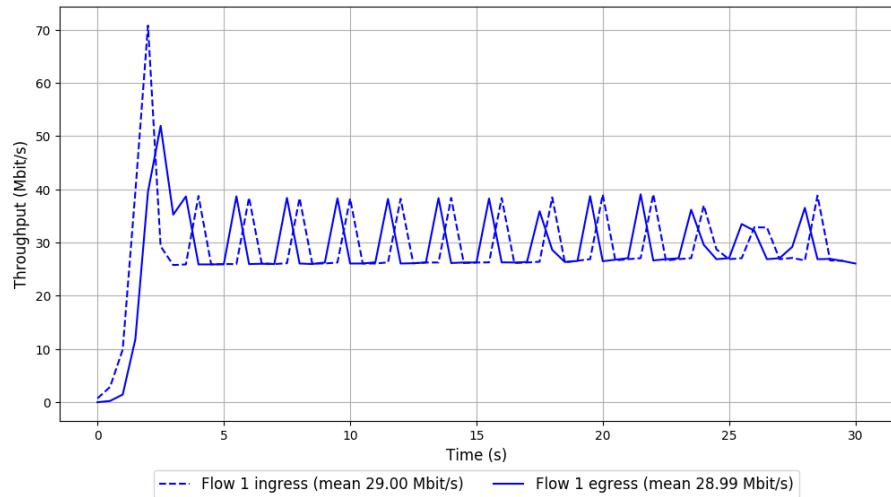


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-30 00:24:09
End at: 2018-06-30 00:24:39
Local clock offset: 0.204 ms
Remote clock offset: -0.336 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 113.587 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 113.587 ms
Loss rate: 0.75%
```

Run 4: Report of TCP Vegas — Data Link

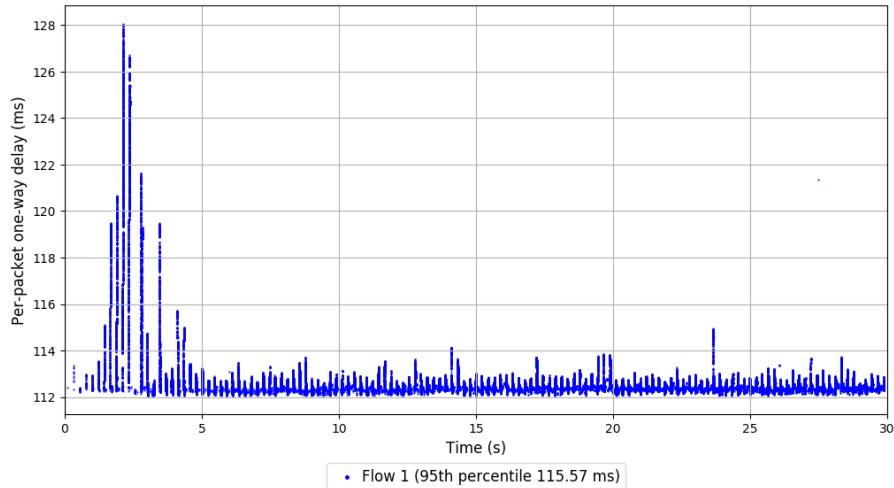
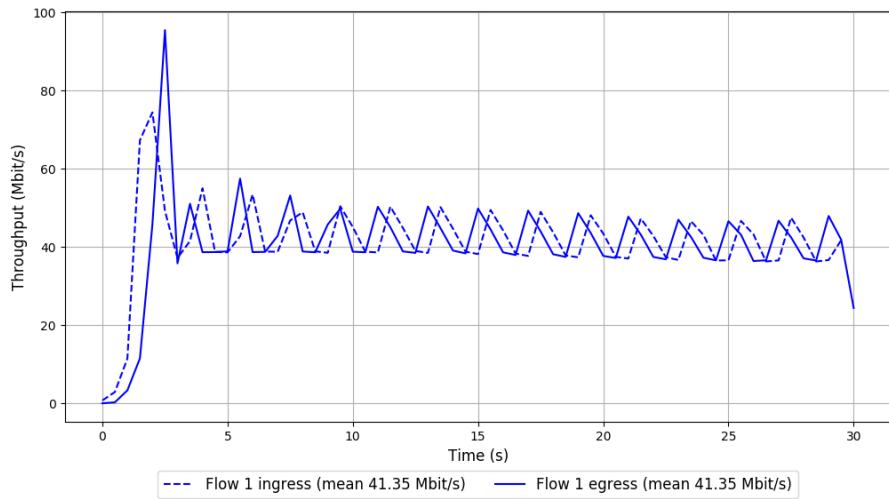


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-30 00:46:11
End at: 2018-06-30 00:46:41
Local clock offset: 1.251 ms
Remote clock offset: 0.105 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.35 Mbit/s
95th percentile per-packet one-way delay: 115.574 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 41.35 Mbit/s
95th percentile per-packet one-way delay: 115.574 ms
Loss rate: 0.73%
```

Run 5: Report of TCP Vegas — Data Link

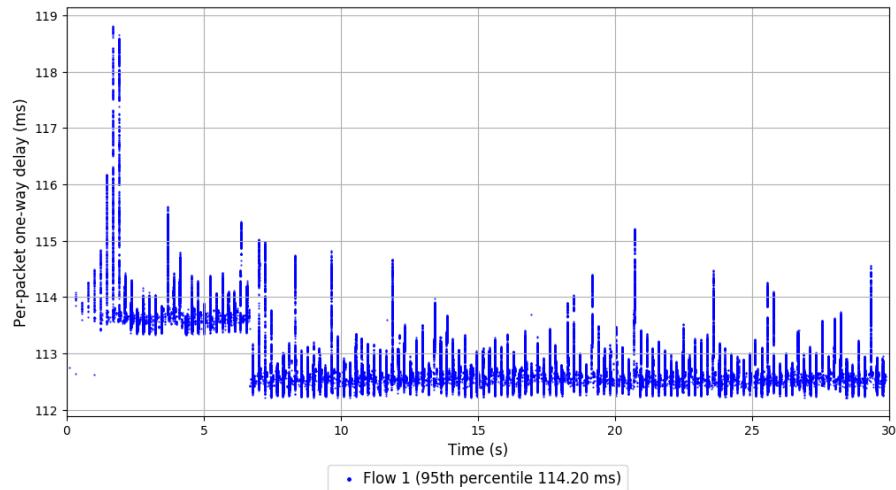
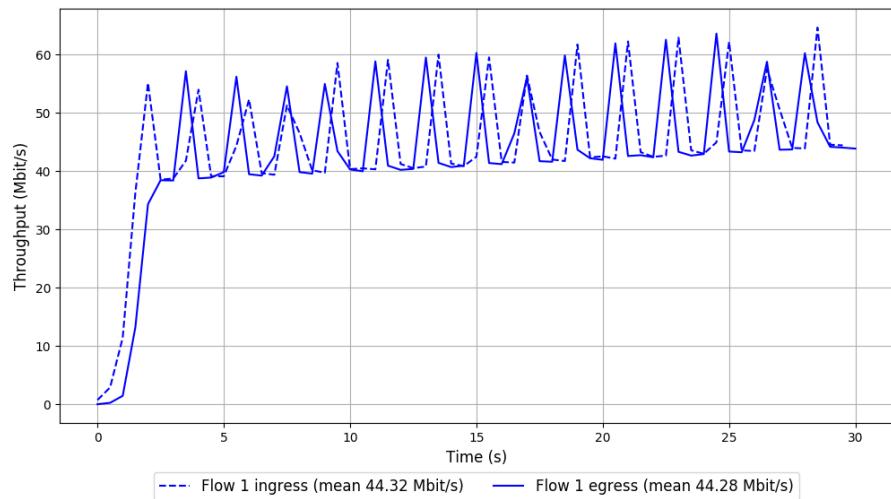


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-30 01:08:23
End at: 2018-06-30 01:08:53
Local clock offset: 1.264 ms
Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.28 Mbit/s
95th percentile per-packet one-way delay: 114.199 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 44.28 Mbit/s
95th percentile per-packet one-way delay: 114.199 ms
Loss rate: 0.83%
```

Run 6: Report of TCP Vegas — Data Link

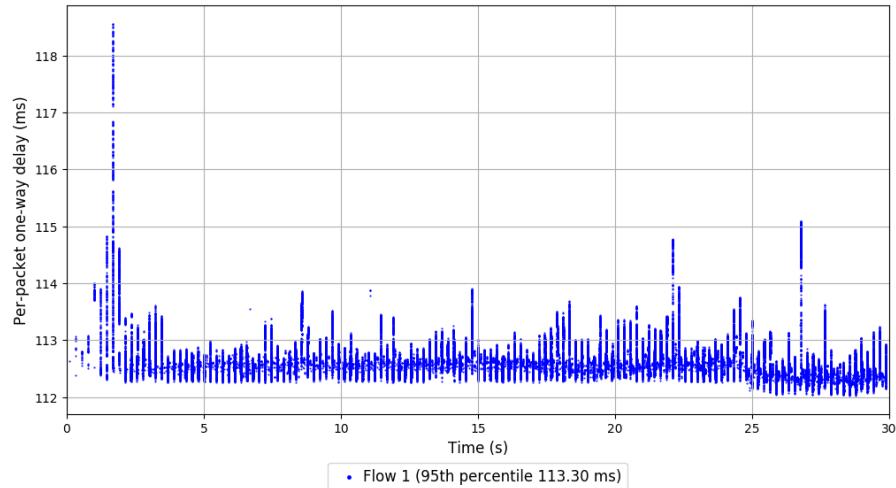
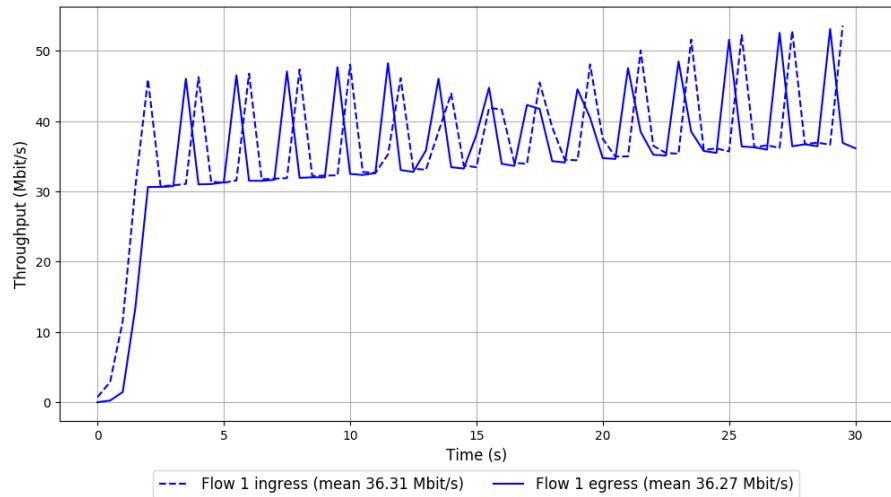


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-30 01:30:54
End at: 2018-06-30 01:31:24
Local clock offset: 1.218 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 113.304 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 113.304 ms
Loss rate: 0.84%
```

Run 7: Report of TCP Vegas — Data Link

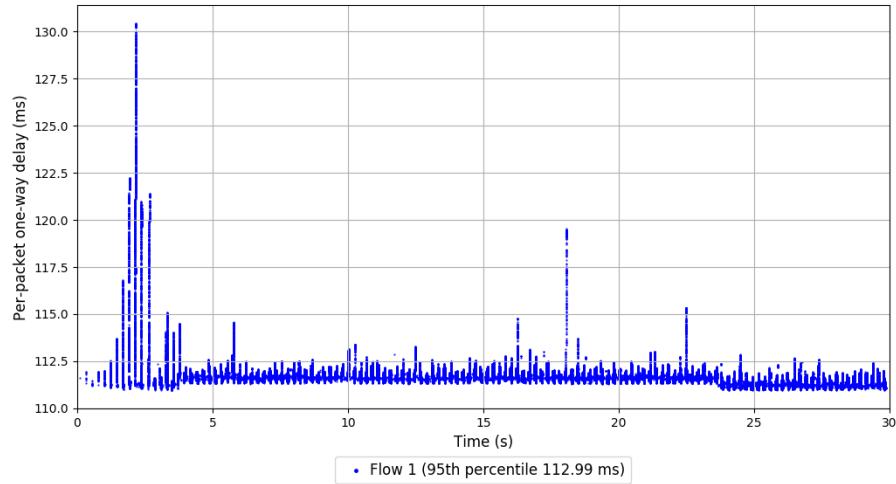
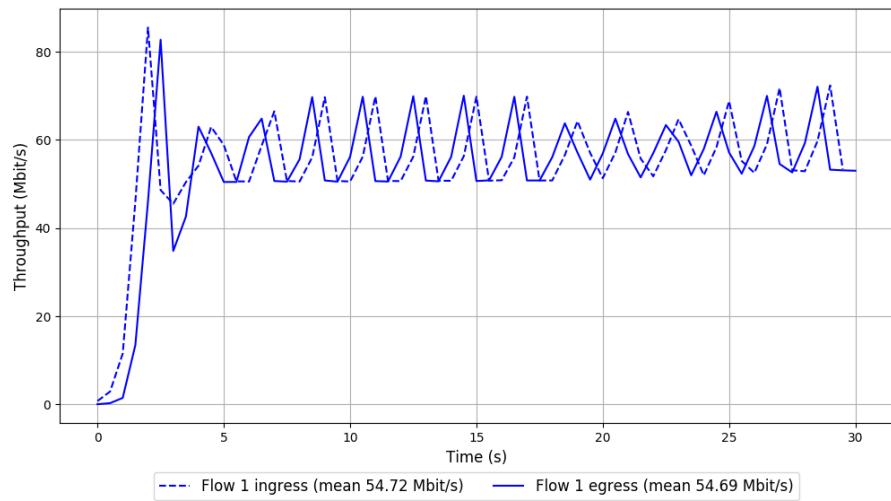


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-30 01:53:36
End at: 2018-06-30 01:54:06
Local clock offset: -0.038 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 112.988 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 112.988 ms
Loss rate: 0.81%
```

Run 8: Report of TCP Vegas — Data Link

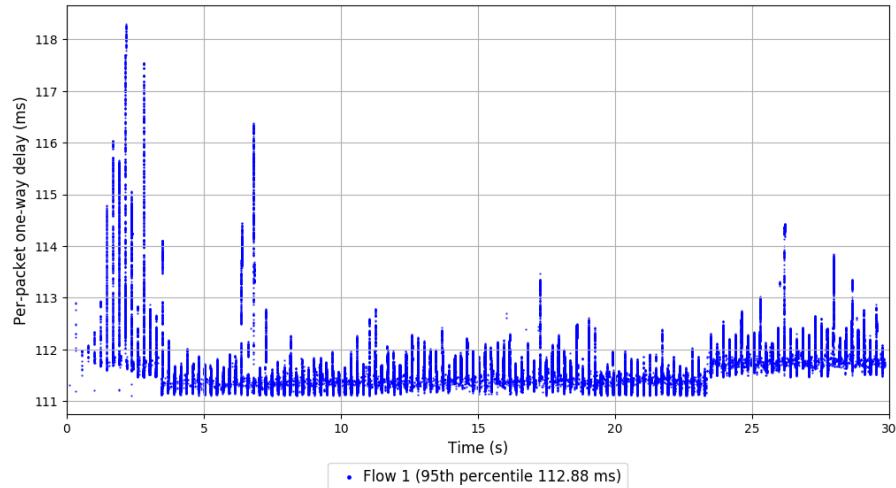
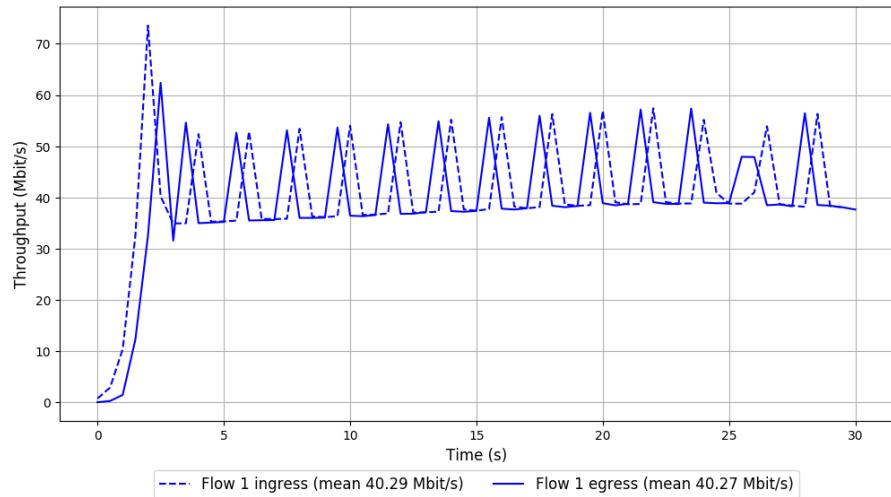


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-30 02:15:56
End at: 2018-06-30 02:16:26
Local clock offset: 0.078 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 112.882 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 112.882 ms
Loss rate: 0.79%
```

Run 9: Report of TCP Vegas — Data Link

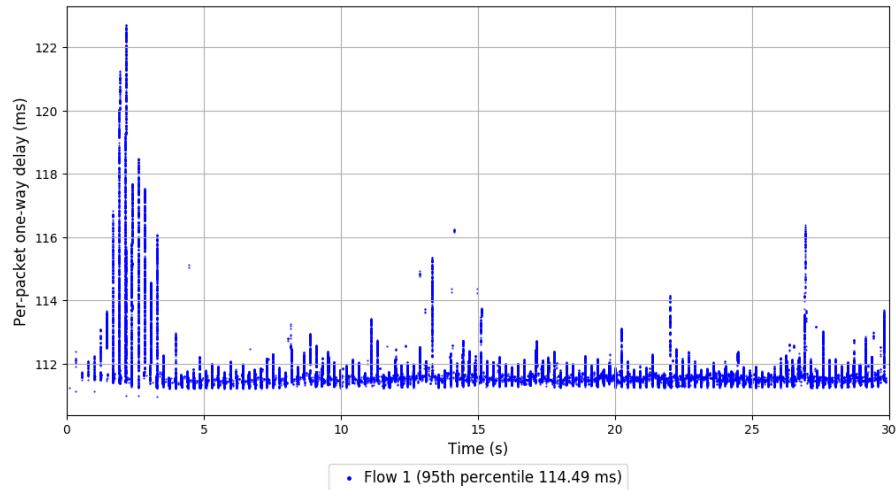
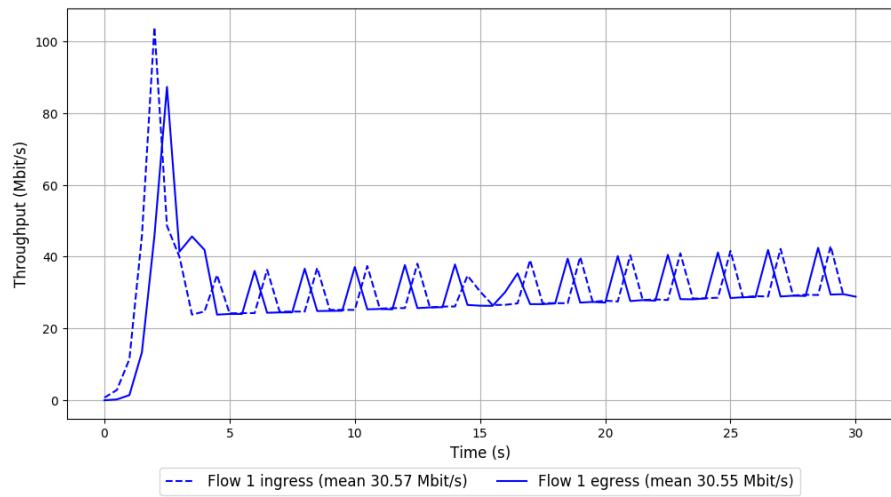


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-30 02:38:07
End at: 2018-06-30 02:38:37
Local clock offset: -0.068 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-06-30 04:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 114.489 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 114.489 ms
Loss rate: 0.80%
```

Run 10: Report of TCP Vegas — Data Link

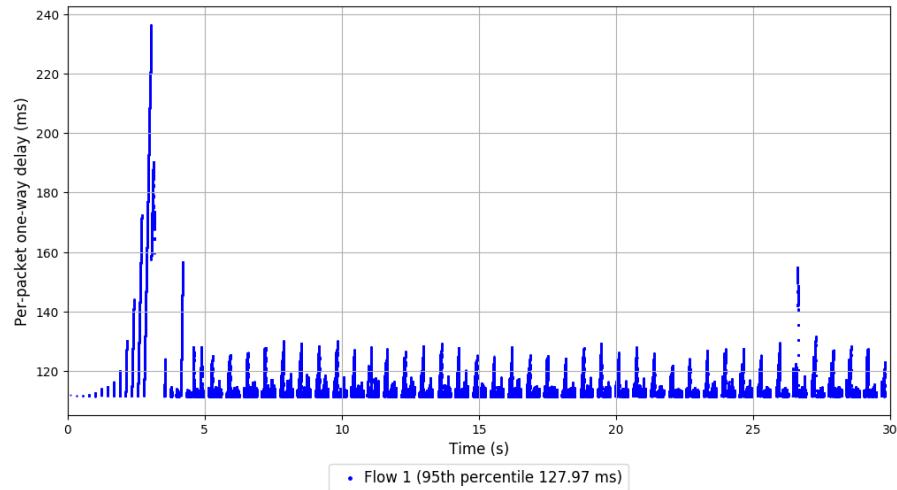
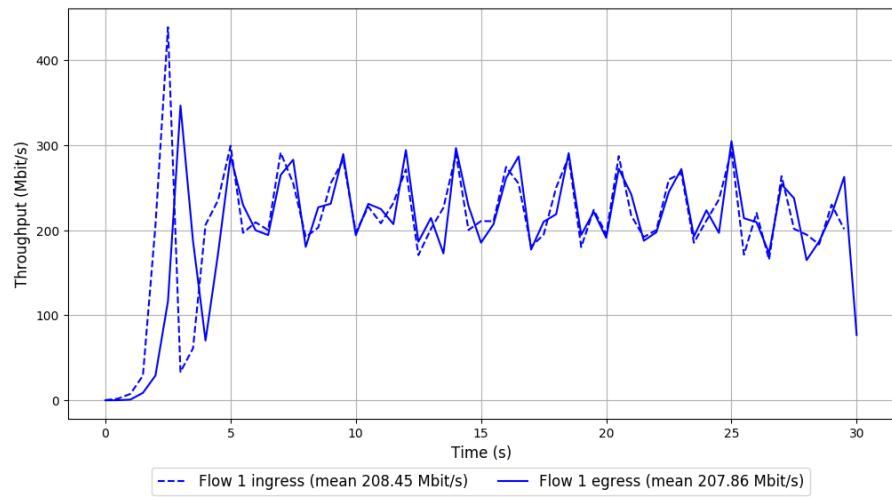


Run 1: Statistics of Verus

```
Start at: 2018-06-29 23:06:30
End at: 2018-06-29 23:07:00
Local clock offset: -0.011 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-06-30 04:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.86 Mbit/s
95th percentile per-packet one-way delay: 127.971 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 207.86 Mbit/s
95th percentile per-packet one-way delay: 127.971 ms
Loss rate: 1.03%
```

Run 1: Report of Verus — Data Link

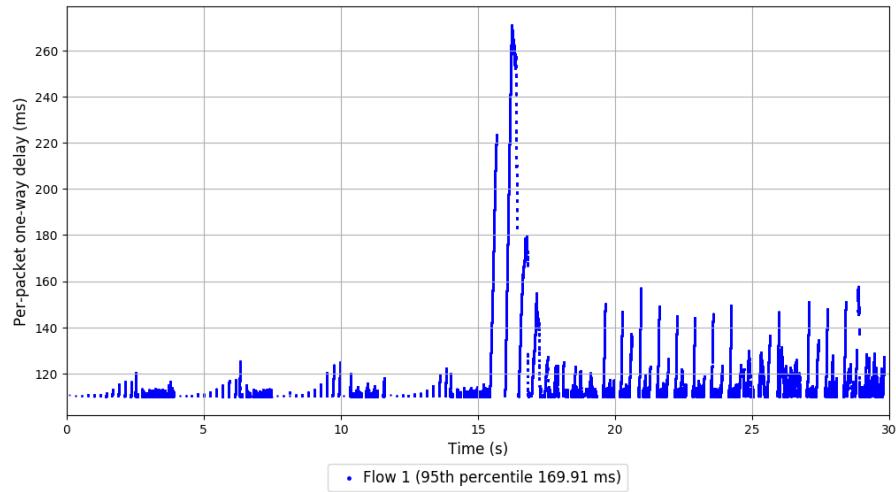
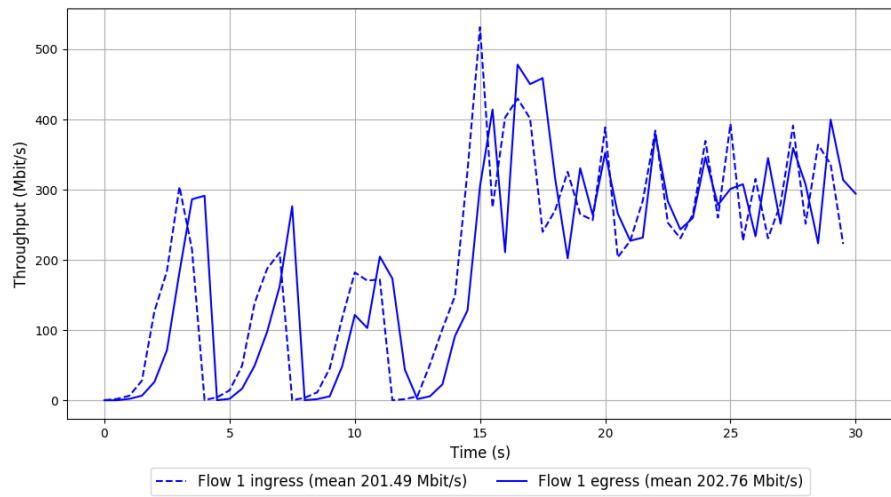


Run 2: Statistics of Verus

```
Start at: 2018-06-29 23:28:43
End at: 2018-06-29 23:29:13
Local clock offset: -1.398 ms
Remote clock offset: -0.312 ms

# Below is generated by plot.py at 2018-06-30 04:05:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.76 Mbit/s
95th percentile per-packet one-way delay: 169.912 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 202.76 Mbit/s
95th percentile per-packet one-way delay: 169.912 ms
Loss rate: 0.22%
```

Run 2: Report of Verus — Data Link

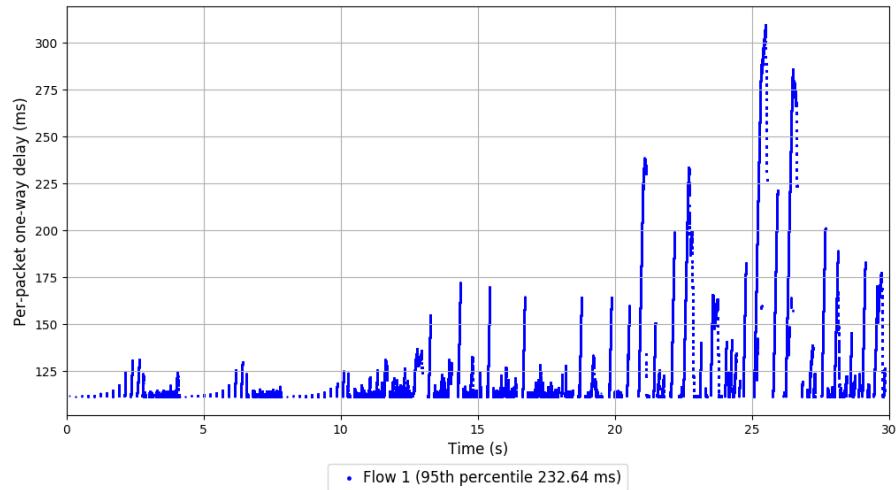
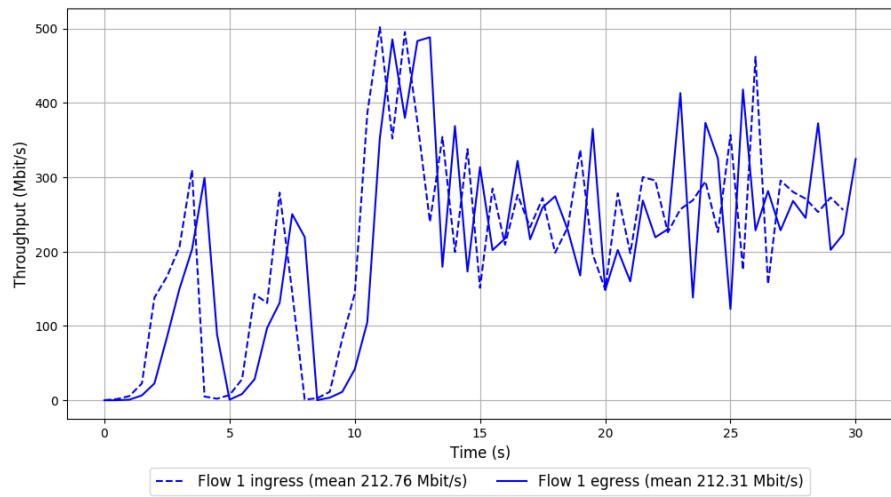


Run 3: Statistics of Verus

```
Start at: 2018-06-29 23:51:16
End at: 2018-06-29 23:51:46
Local clock offset: 0.427 ms
Remote clock offset: 0.059 ms

# Below is generated by plot.py at 2018-06-30 04:05:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.31 Mbit/s
95th percentile per-packet one-way delay: 232.640 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 212.31 Mbit/s
95th percentile per-packet one-way delay: 232.640 ms
Loss rate: 0.87%
```

Run 3: Report of Verus — Data Link

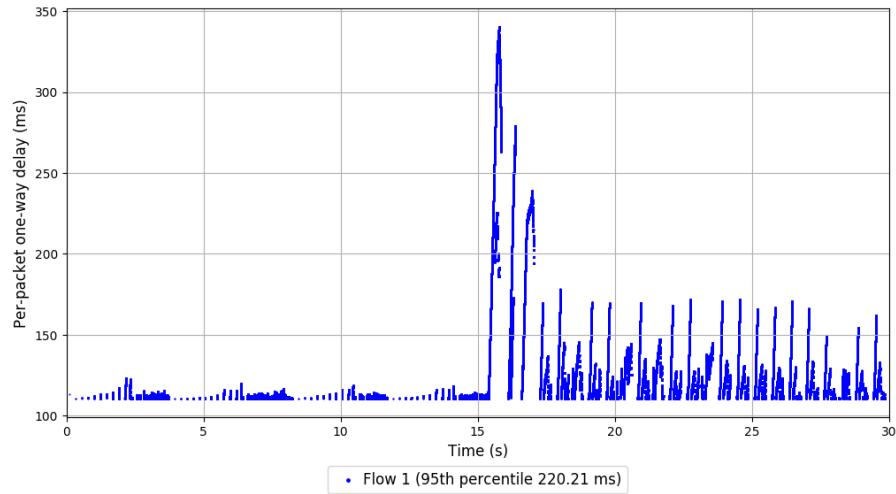
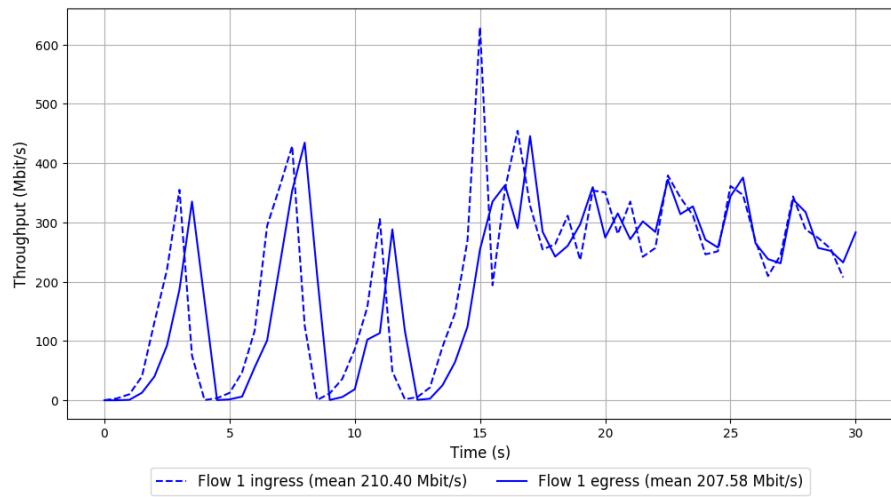


Run 4: Statistics of Verus

```
Start at: 2018-06-30 00:13:15
End at: 2018-06-30 00:13:45
Local clock offset: -0.298 ms
Remote clock offset: 0.126 ms

# Below is generated by plot.py at 2018-06-30 04:05:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.58 Mbit/s
95th percentile per-packet one-way delay: 220.209 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 207.58 Mbit/s
95th percentile per-packet one-way delay: 220.209 ms
Loss rate: 1.92%
```

Run 4: Report of Verus — Data Link

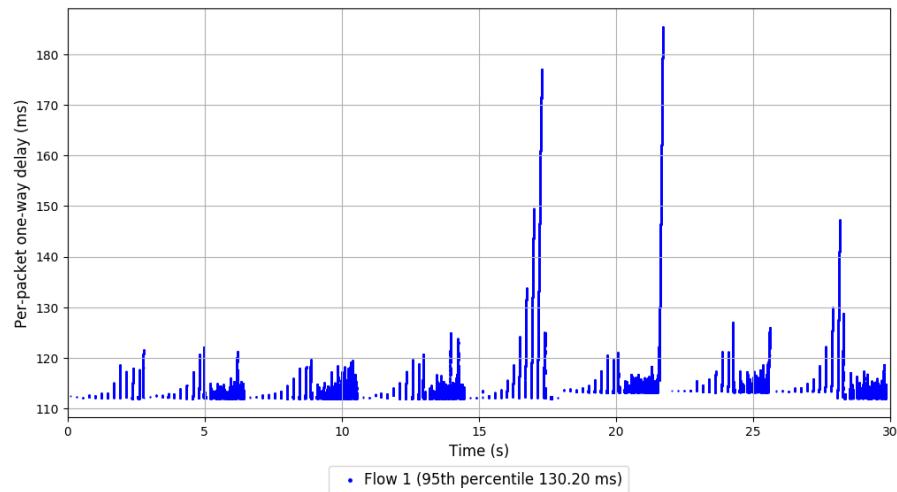
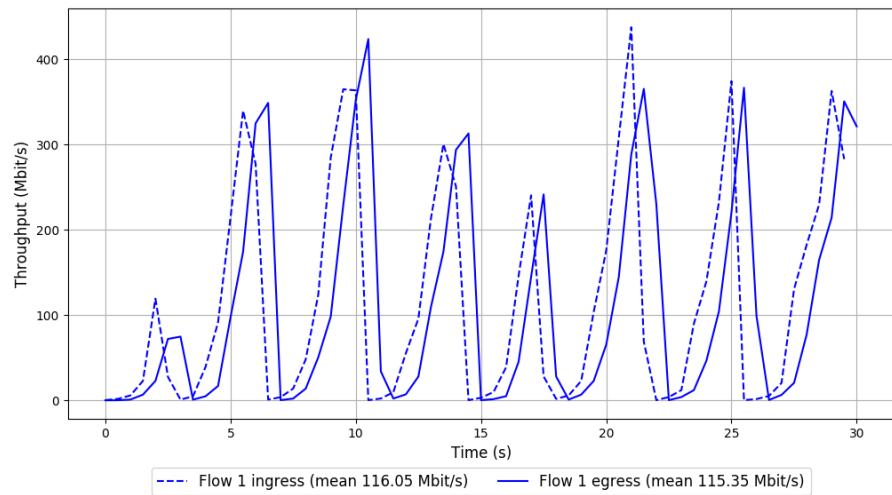


Run 5: Statistics of Verus

```
Start at: 2018-06-30 00:35:11
End at: 2018-06-30 00:35:41
Local clock offset: 1.042 ms
Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2018-06-30 04:05:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 115.35 Mbit/s
95th percentile per-packet one-way delay: 130.197 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 115.35 Mbit/s
95th percentile per-packet one-way delay: 130.197 ms
Loss rate: 0.87%
```

Run 5: Report of Verus — Data Link

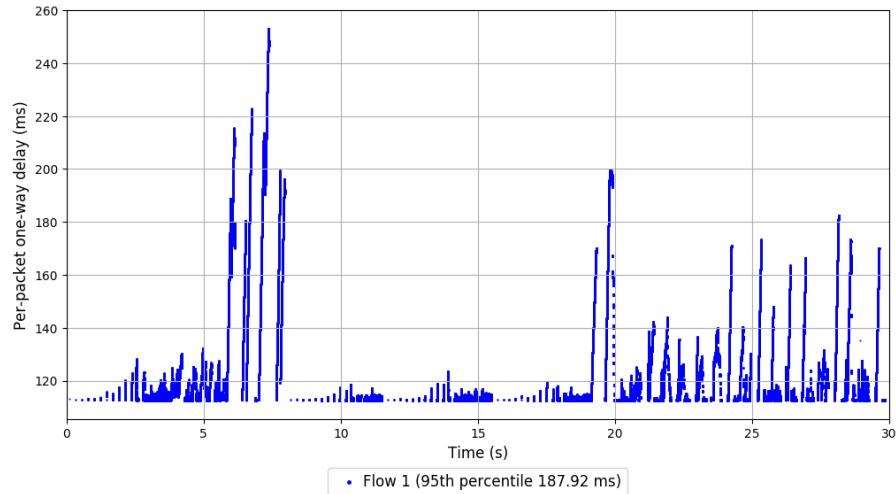
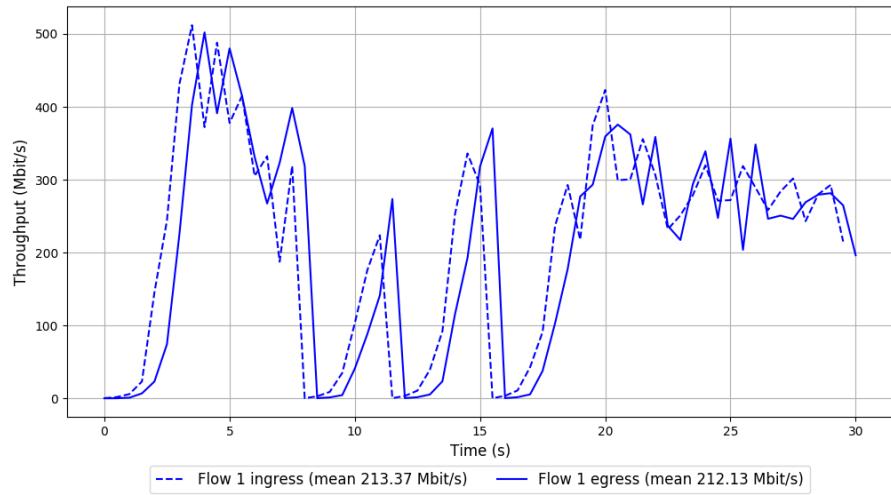


Run 6: Statistics of Verus

```
Start at: 2018-06-30 00:57:39
End at: 2018-06-30 00:58:09
Local clock offset: 1.47 ms
Remote clock offset: 0.098 ms

# Below is generated by plot.py at 2018-06-30 04:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.13 Mbit/s
95th percentile per-packet one-way delay: 187.917 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 212.13 Mbit/s
95th percentile per-packet one-way delay: 187.917 ms
Loss rate: 1.31%
```

Run 6: Report of Verus — Data Link

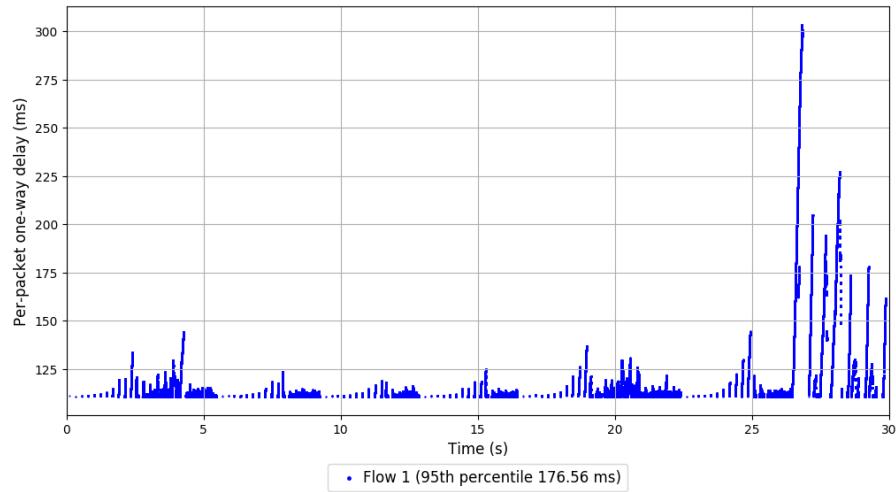
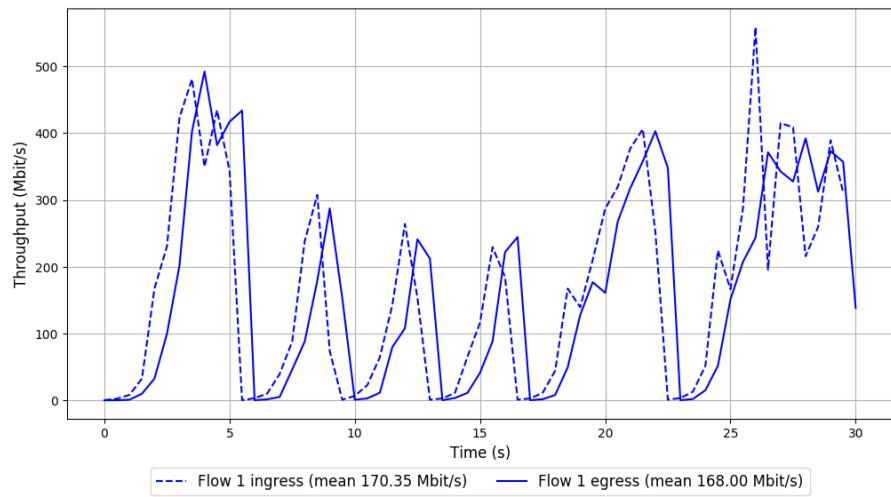


Run 7: Statistics of Verus

```
Start at: 2018-06-30 01:19:51
End at: 2018-06-30 01:20:22
Local clock offset: -0.056 ms
Remote clock offset: 0.439 ms

# Below is generated by plot.py at 2018-06-30 04:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.00 Mbit/s
95th percentile per-packet one-way delay: 176.560 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 168.00 Mbit/s
95th percentile per-packet one-way delay: 176.560 ms
Loss rate: 2.11%
```

Run 7: Report of Verus — Data Link

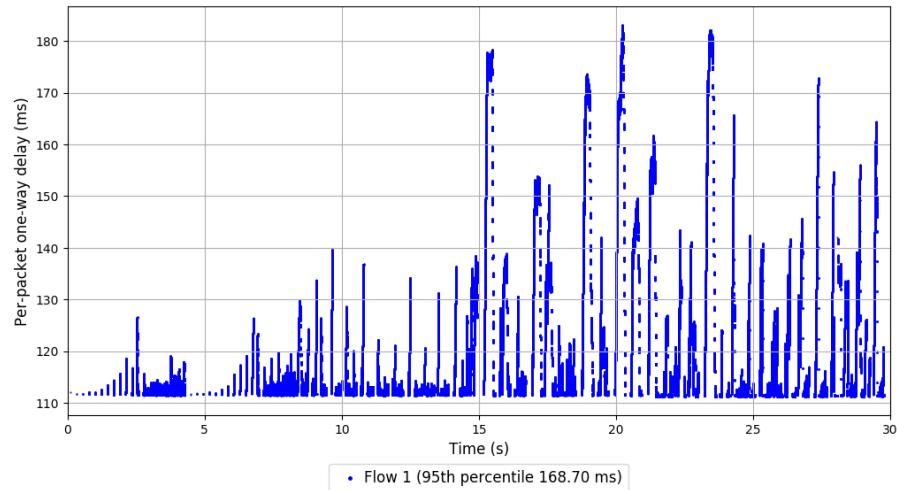
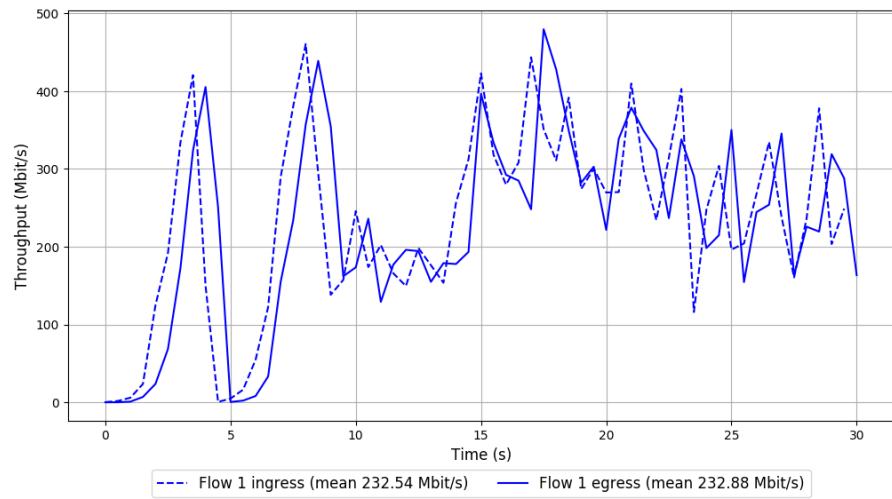


Run 8: Statistics of Verus

```
Start at: 2018-06-30 01:42:28
End at: 2018-06-30 01:42:58
Local clock offset: -0.04 ms
Remote clock offset: -0.423 ms

# Below is generated by plot.py at 2018-06-30 04:07:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.88 Mbit/s
95th percentile per-packet one-way delay: 168.704 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 232.88 Mbit/s
95th percentile per-packet one-way delay: 168.704 ms
Loss rate: 0.84%
```

Run 8: Report of Verus — Data Link

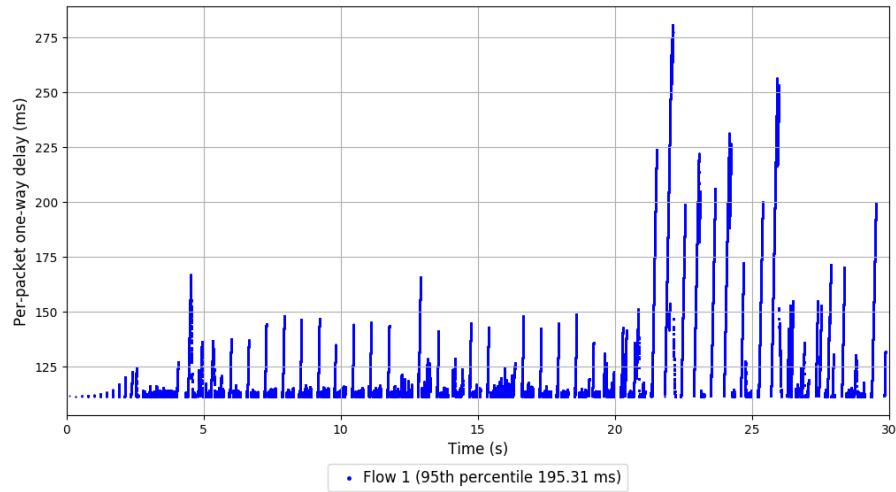
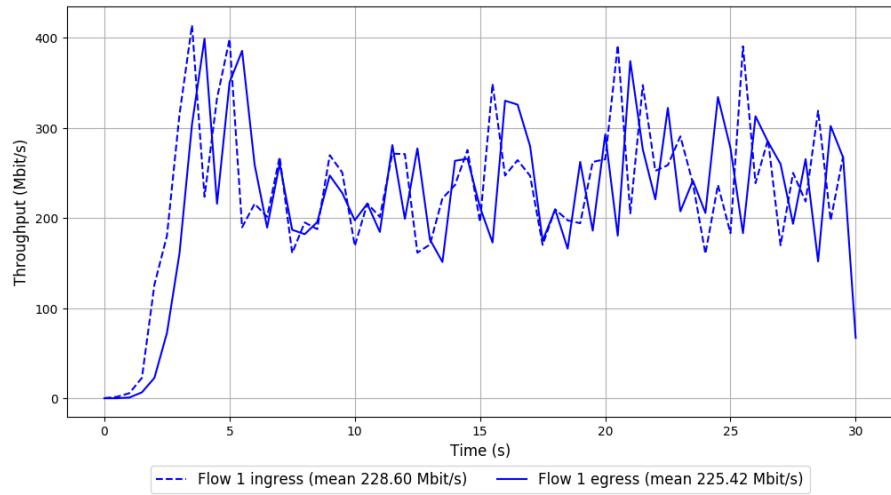


Run 9: Statistics of Verus

```
Start at: 2018-06-30 02:05:07
End at: 2018-06-30 02:05:37
Local clock offset: 0.134 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-06-30 04:08:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.42 Mbit/s
95th percentile per-packet one-way delay: 195.308 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 225.42 Mbit/s
95th percentile per-packet one-way delay: 195.308 ms
Loss rate: 1.77%
```

Run 9: Report of Verus — Data Link

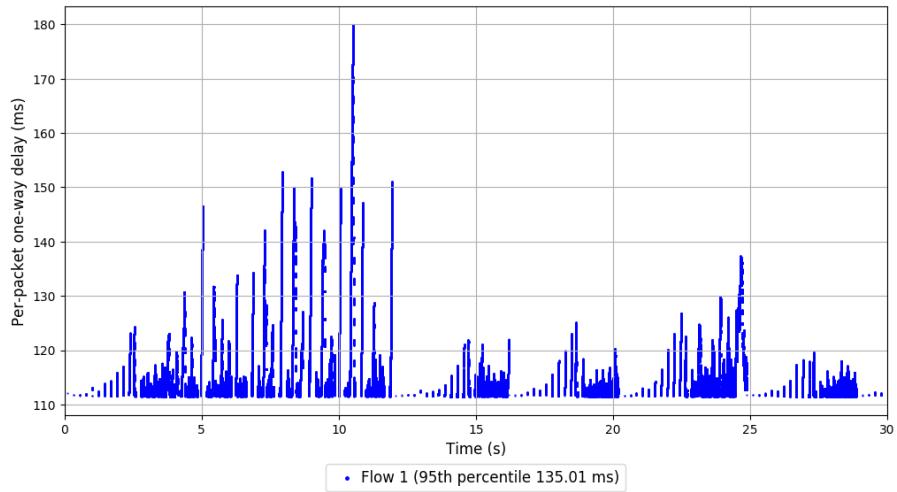
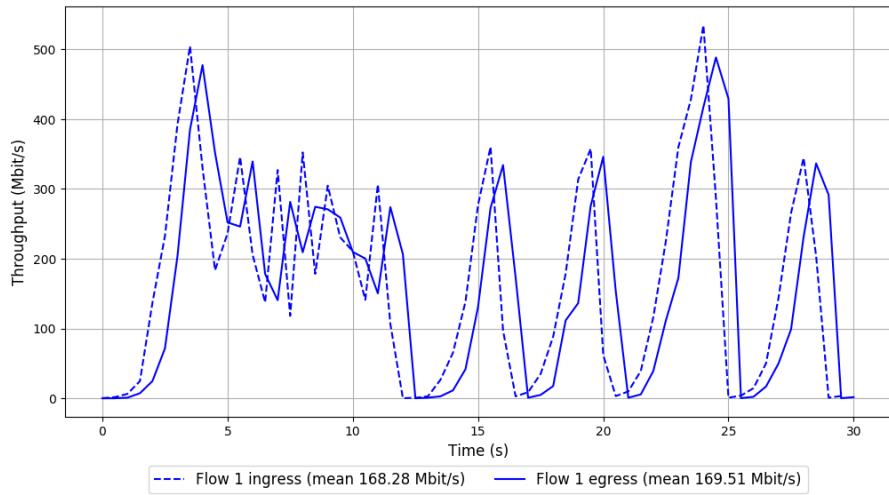


Run 10: Statistics of Verus

```
Start at: 2018-06-30 02:27:26
End at: 2018-06-30 02:27:56
Local clock offset: 0.037 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-30 04:08:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.51 Mbit/s
95th percentile per-packet one-way delay: 135.006 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 169.51 Mbit/s
95th percentile per-packet one-way delay: 135.006 ms
Loss rate: 0.02%
```

Run 10: Report of Verus — Data Link

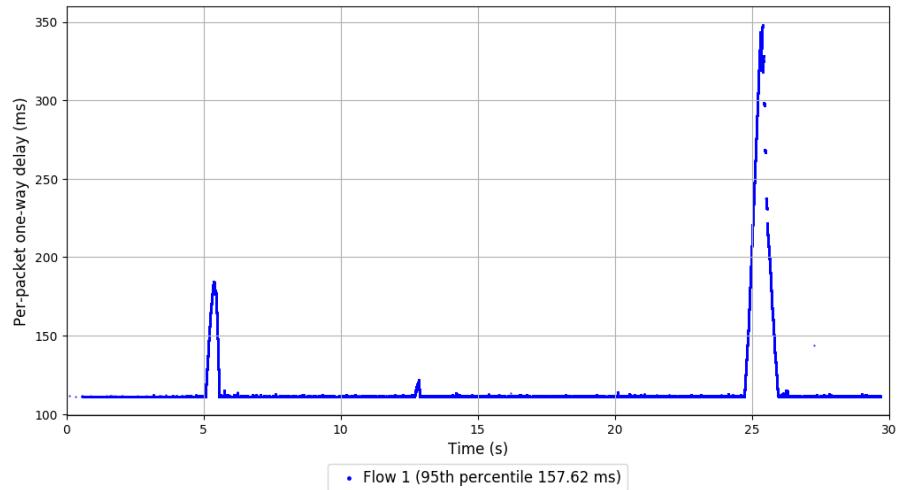
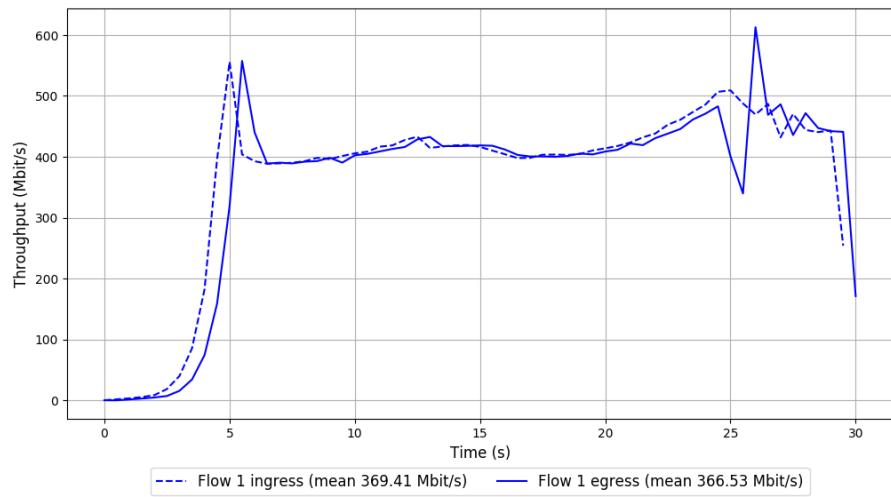


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-06-29 23:24:28
End at: 2018-06-29 23:24:58
Local clock offset: -0.131 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2018-06-30 04:11:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.53 Mbit/s
95th percentile per-packet one-way delay: 157.624 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 366.53 Mbit/s
95th percentile per-packet one-way delay: 157.624 ms
Loss rate: 1.52%
```

Run 1: Report of PCC-Vivace — Data Link

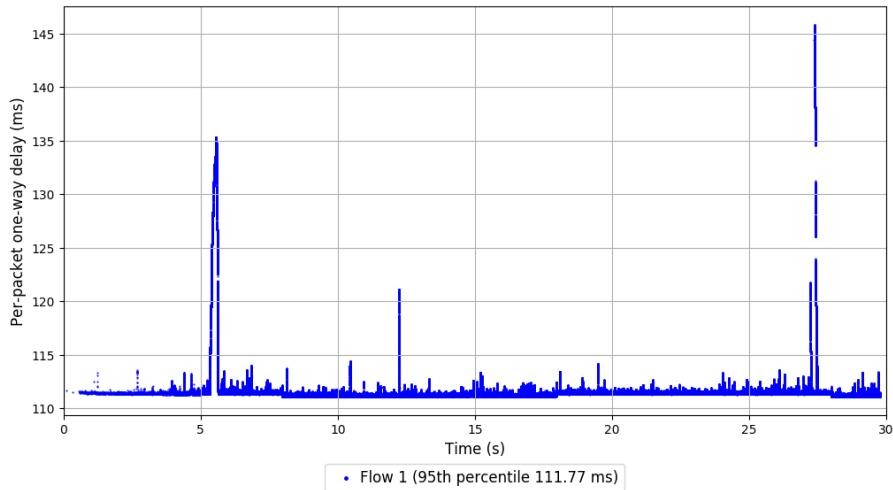
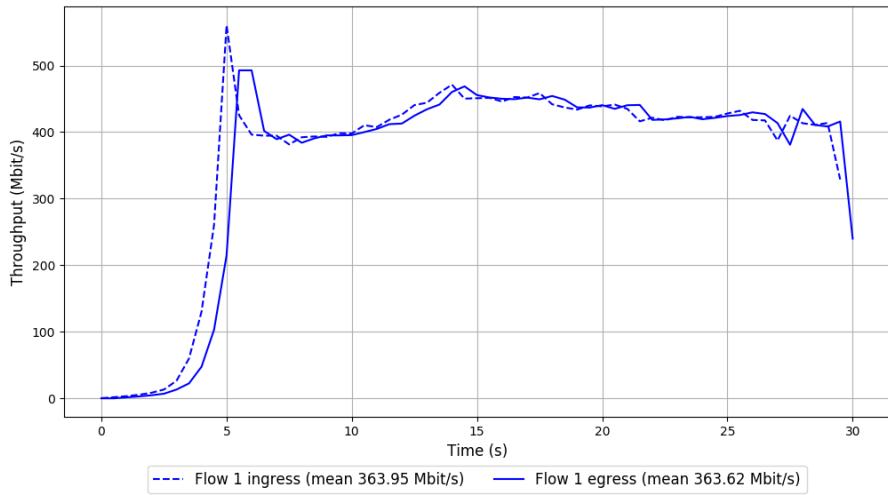


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-29 23:47:01
End at: 2018-06-29 23:47:31
Local clock offset: 0.09 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-06-30 04:11:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 363.62 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 363.62 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 0.83%
```

Run 2: Report of PCC-Vivace — Data Link

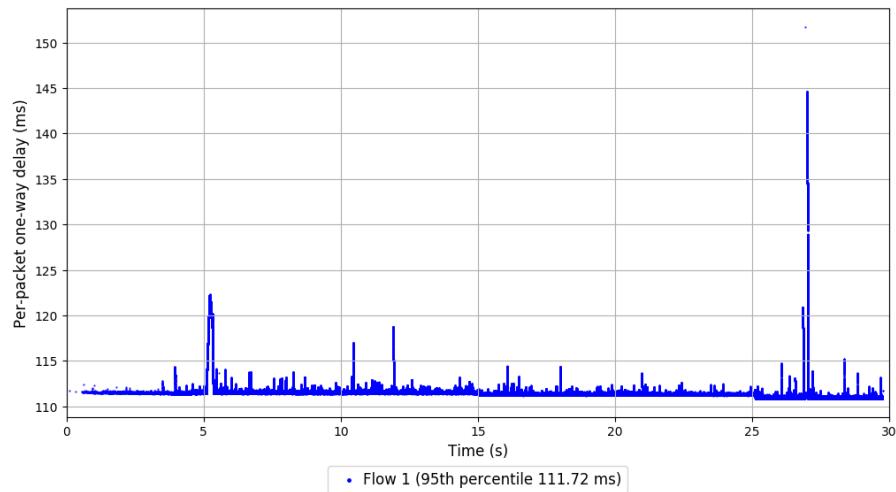
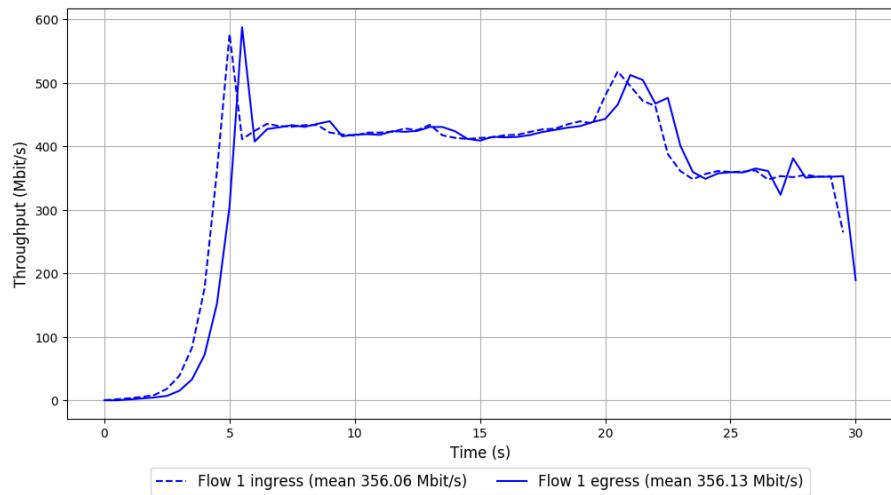


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-30 00:09:04
End at: 2018-06-30 00:09:34
Local clock offset: -0.01 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-06-30 04:11:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.13 Mbit/s
95th percentile per-packet one-way delay: 111.716 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 356.13 Mbit/s
95th percentile per-packet one-way delay: 111.716 ms
Loss rate: 0.72%
```

Run 3: Report of PCC-Vivace — Data Link

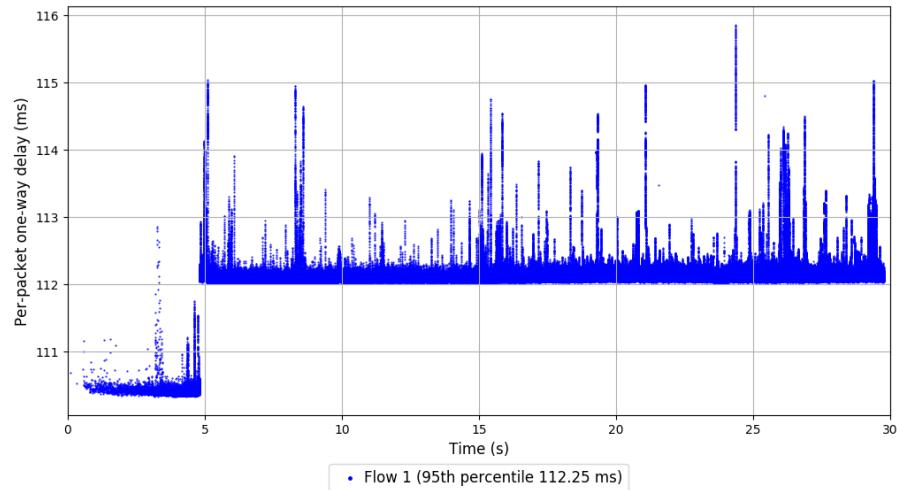
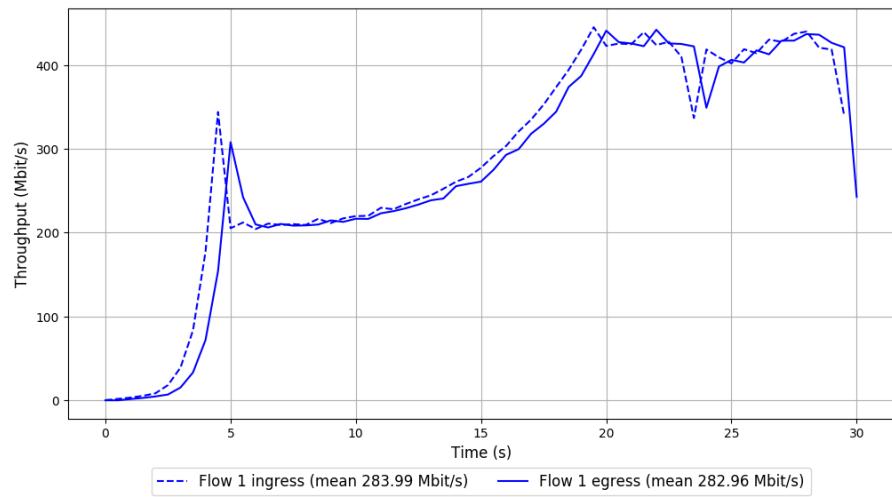


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-30 00:31:04
End at: 2018-06-30 00:31:34
Local clock offset: -0.147 ms
Remote clock offset: 0.502 ms

# Below is generated by plot.py at 2018-06-30 04:11:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 282.96 Mbit/s
95th percentile per-packet one-way delay: 112.246 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 282.96 Mbit/s
95th percentile per-packet one-way delay: 112.246 ms
Loss rate: 1.11%
```

Run 4: Report of PCC-Vivace — Data Link

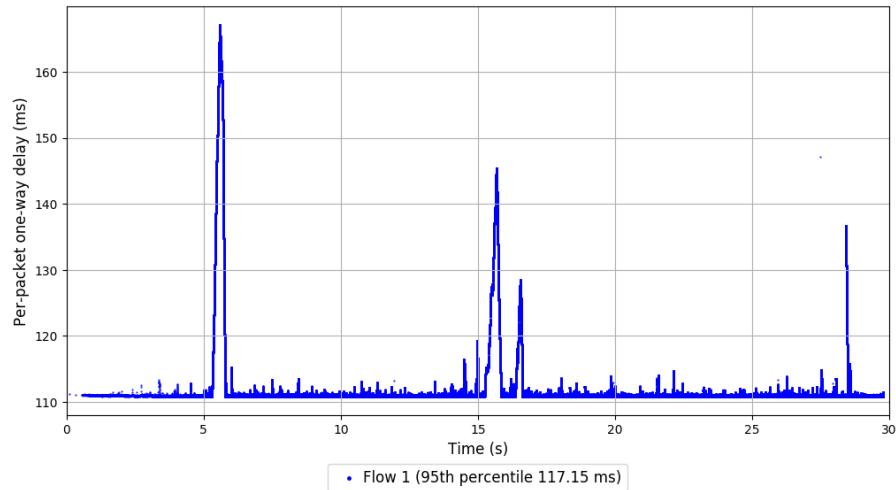
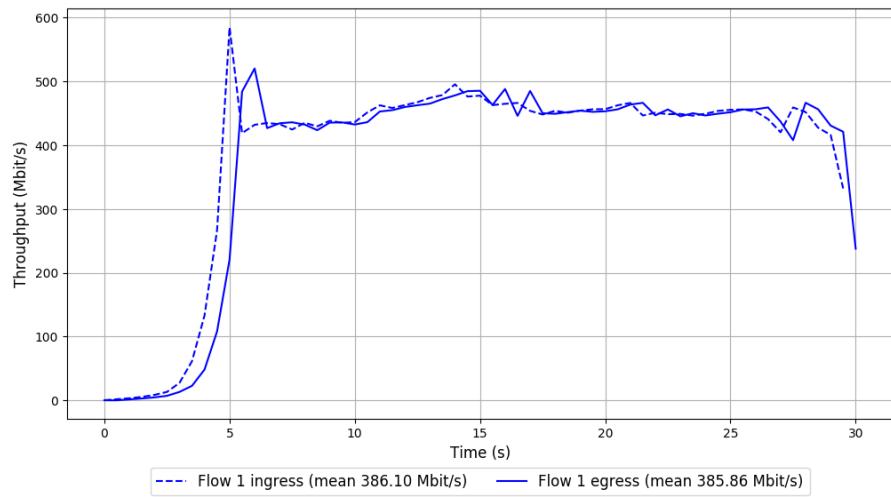


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-30 00:53:25
End at: 2018-06-30 00:53:55
Local clock offset: -0.027 ms
Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2018-06-30 04:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.86 Mbit/s
95th percentile per-packet one-way delay: 117.150 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 385.86 Mbit/s
95th percentile per-packet one-way delay: 117.150 ms
Loss rate: 0.80%
```

Run 5: Report of PCC-Vivace — Data Link

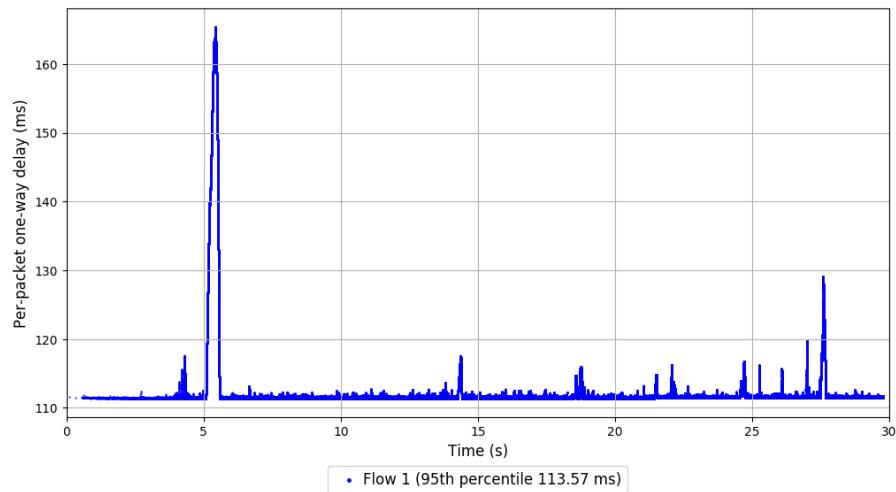
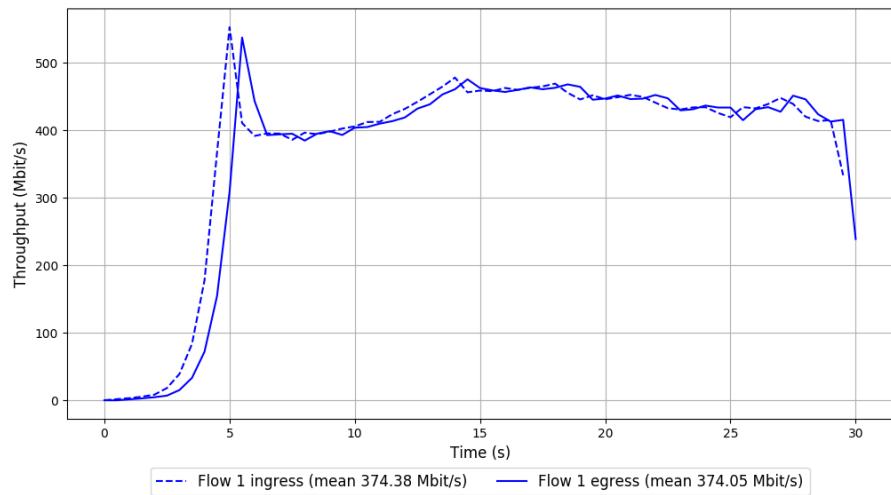


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-30 01:15:38
End at: 2018-06-30 01:16:08
Local clock offset: 0.115 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-06-30 04:13:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 374.05 Mbit/s
95th percentile per-packet one-way delay: 113.574 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 374.05 Mbit/s
95th percentile per-packet one-way delay: 113.574 ms
Loss rate: 0.84%
```

Run 6: Report of PCC-Vivace — Data Link

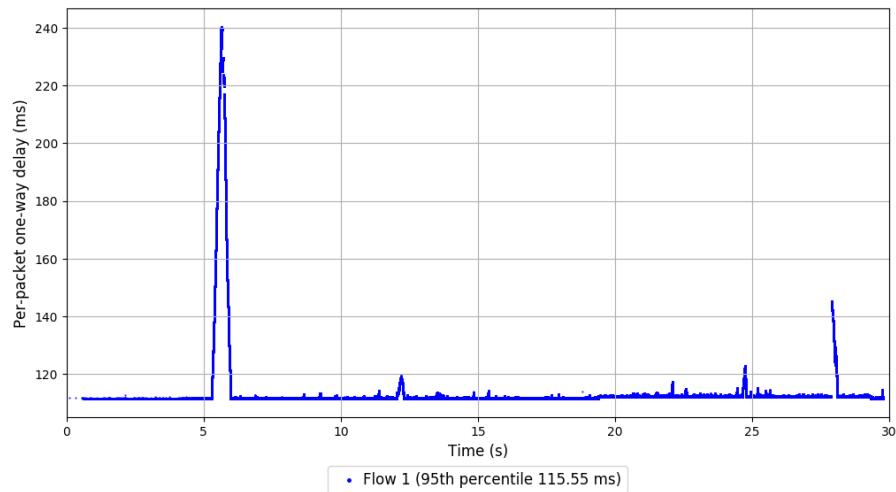
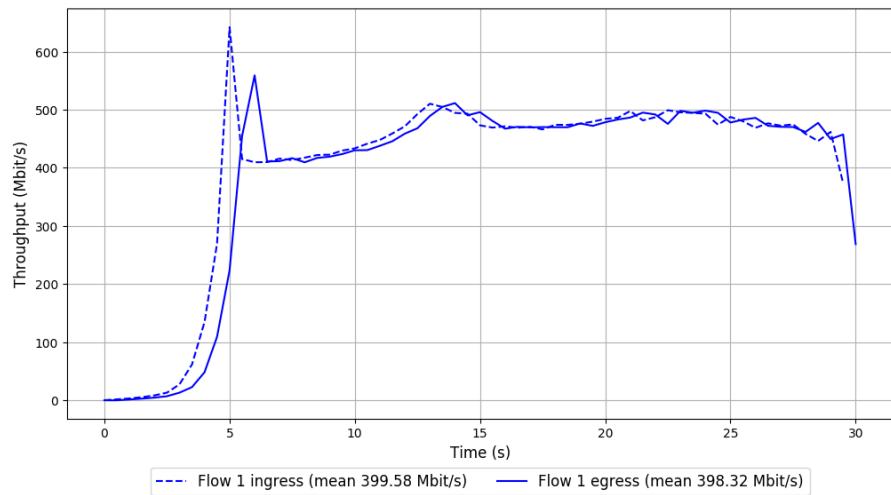


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-30 01:38:10
End at: 2018-06-30 01:38:40
Local clock offset: 1.167 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-06-30 04:13:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 398.32 Mbit/s
95th percentile per-packet one-way delay: 115.554 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 398.32 Mbit/s
95th percentile per-packet one-way delay: 115.554 ms
Loss rate: 1.06%
```

Run 7: Report of PCC-Vivace — Data Link

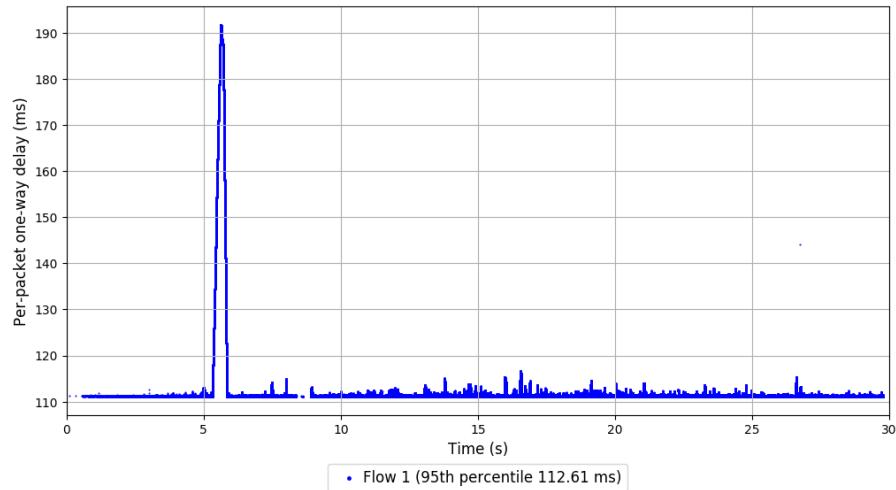
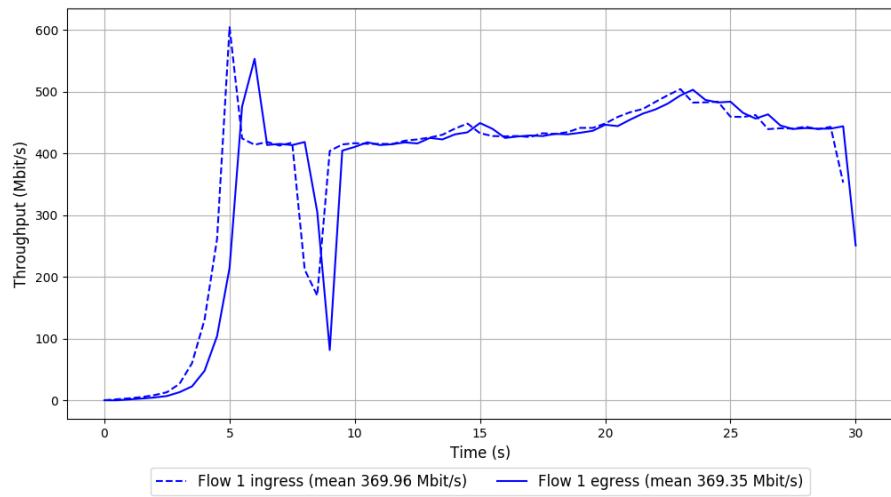


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-30 02:00:50
End at: 2018-06-30 02:01:20
Local clock offset: -0.253 ms
Remote clock offset: -0.349 ms

# Below is generated by plot.py at 2018-06-30 04:13:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 369.35 Mbit/s
95th percentile per-packet one-way delay: 112.605 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 369.35 Mbit/s
95th percentile per-packet one-way delay: 112.605 ms
Loss rate: 0.91%
```

Run 8: Report of PCC-Vivace — Data Link

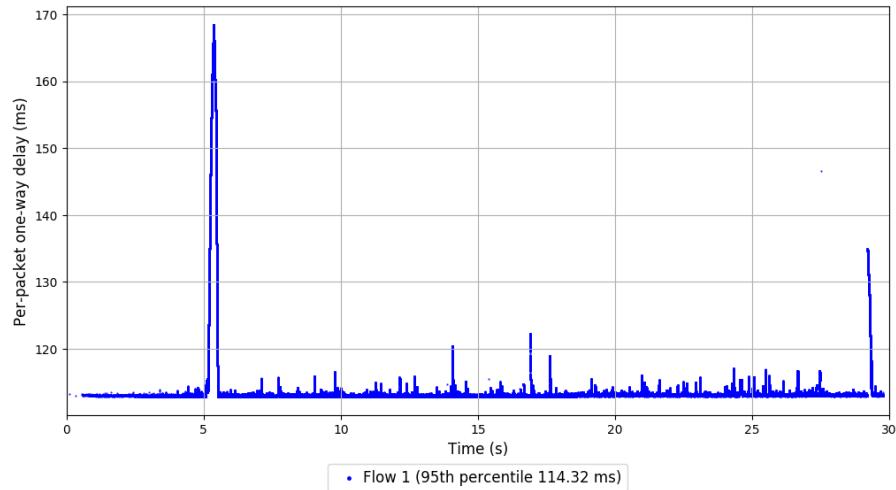
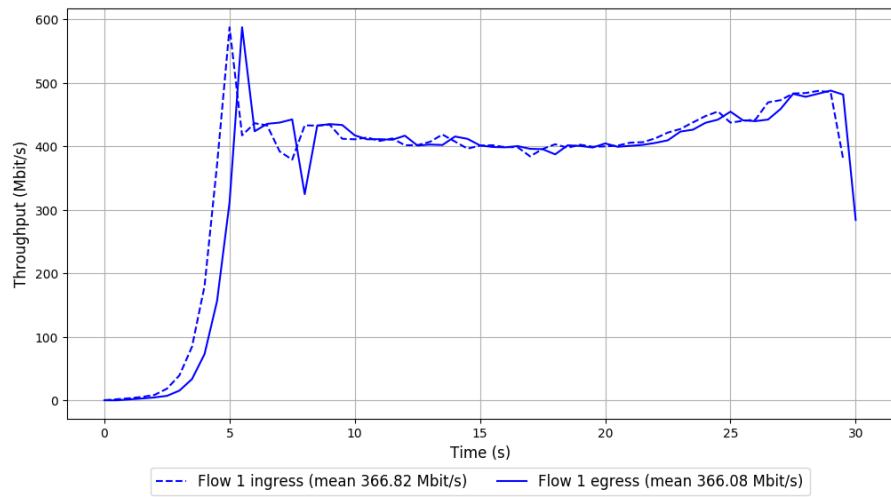


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-30 02:23:11
End at: 2018-06-30 02:23:41
Local clock offset: 1.346 ms
Remote clock offset: -0.373 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.08 Mbit/s
95th percentile per-packet one-way delay: 114.316 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 366.08 Mbit/s
95th percentile per-packet one-way delay: 114.316 ms
Loss rate: 0.94%
```

Run 9: Report of PCC-Vivace — Data Link

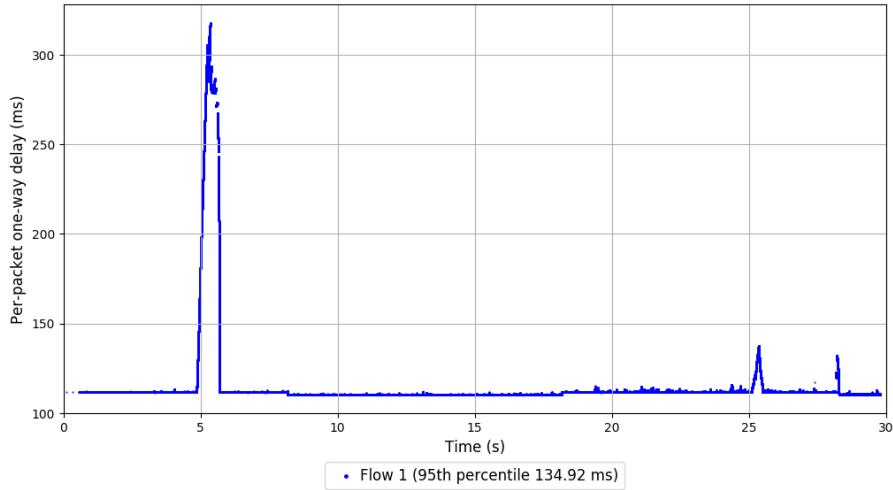
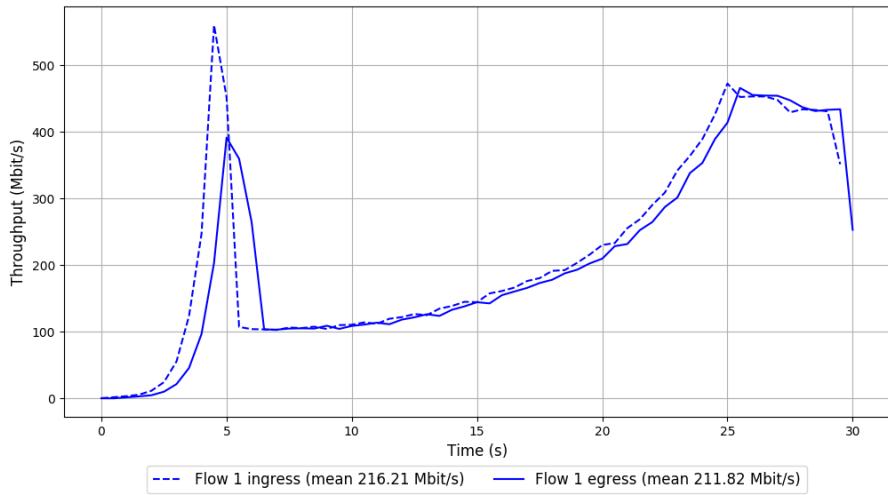


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-30 02:45:21
End at: 2018-06-30 02:45:51
Local clock offset: -0.127 ms
Remote clock offset: -0.403 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.82 Mbit/s
95th percentile per-packet one-way delay: 134.921 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 211.82 Mbit/s
95th percentile per-packet one-way delay: 134.921 ms
Loss rate: 2.76%
```

Run 10: Report of PCC-Vivace — Data Link

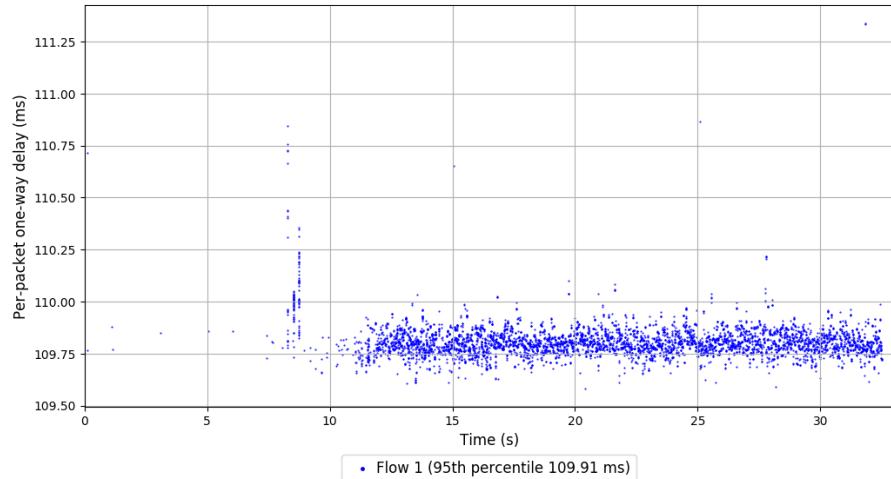
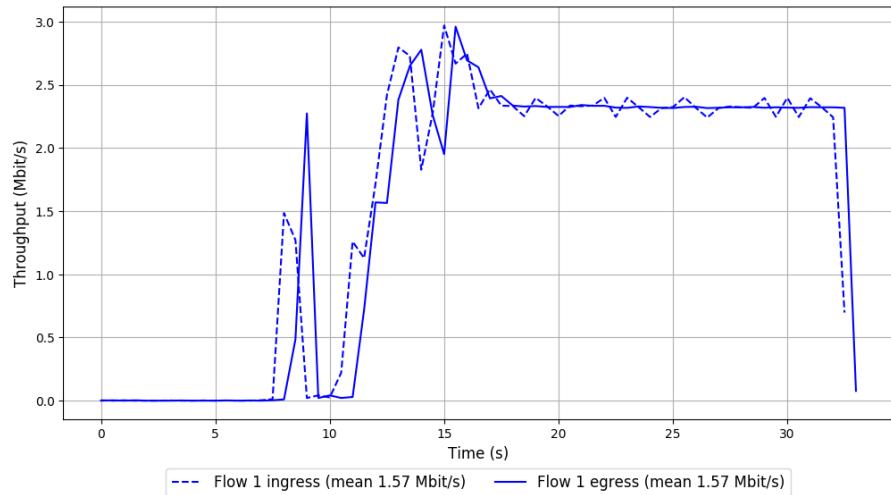


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-29 23:18:27
End at: 2018-06-29 23:18:57
Local clock offset: -1.356 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 109.909 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 109.909 ms
Loss rate: 1.06%
```

Run 1: Report of WebRTC media — Data Link

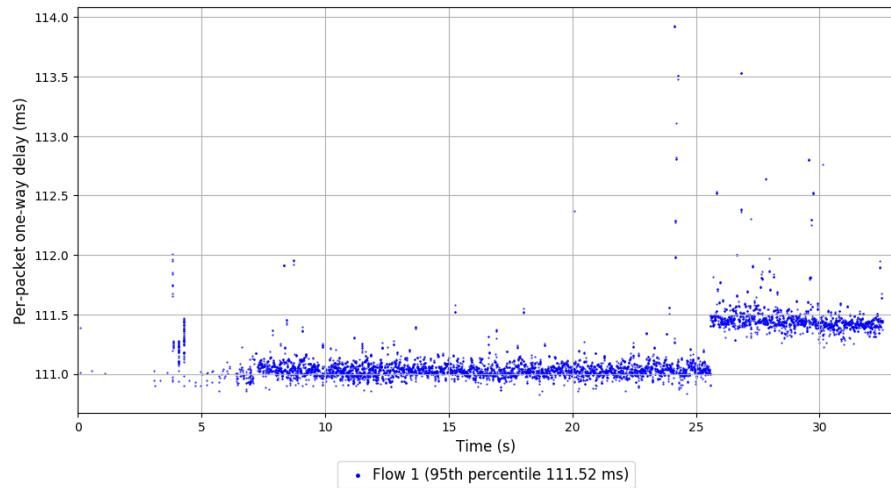
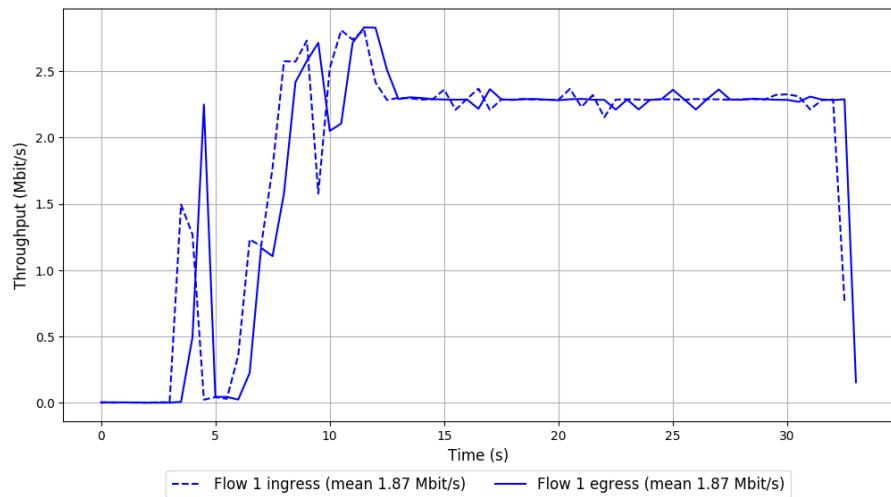


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-29 23:40:56
End at: 2018-06-29 23:41:26
Local clock offset: 0.051 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.516 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.516 ms
Loss rate: 0.89%
```

Run 2: Report of WebRTC media — Data Link

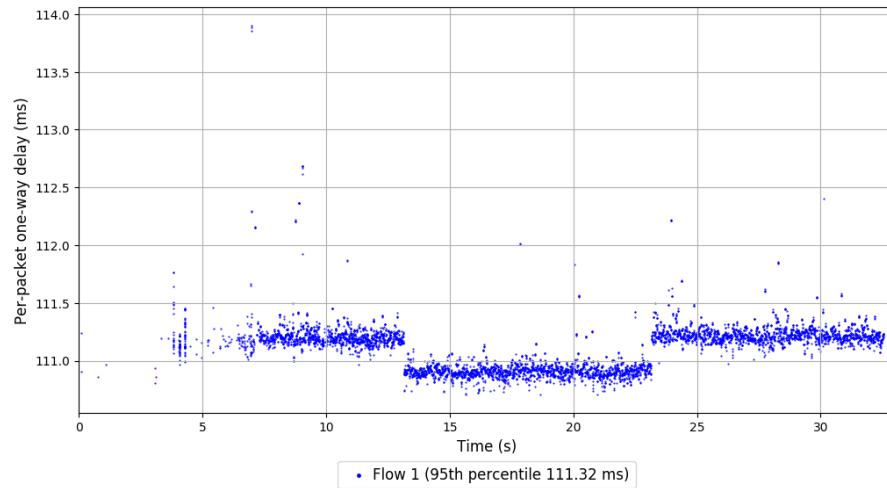
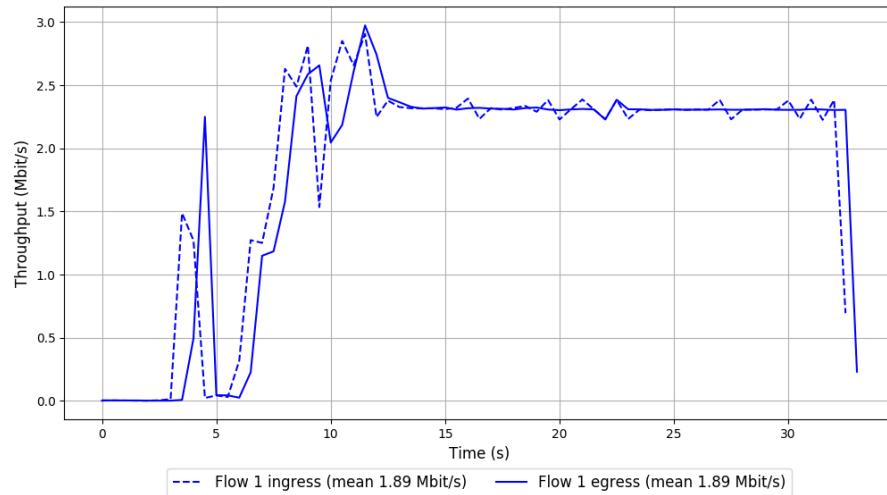


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-30 00:03:19
End at: 2018-06-30 00:03:49
Local clock offset: -0.12 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 111.316 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 111.316 ms
Loss rate: 0.81%
```

Run 3: Report of WebRTC media — Data Link

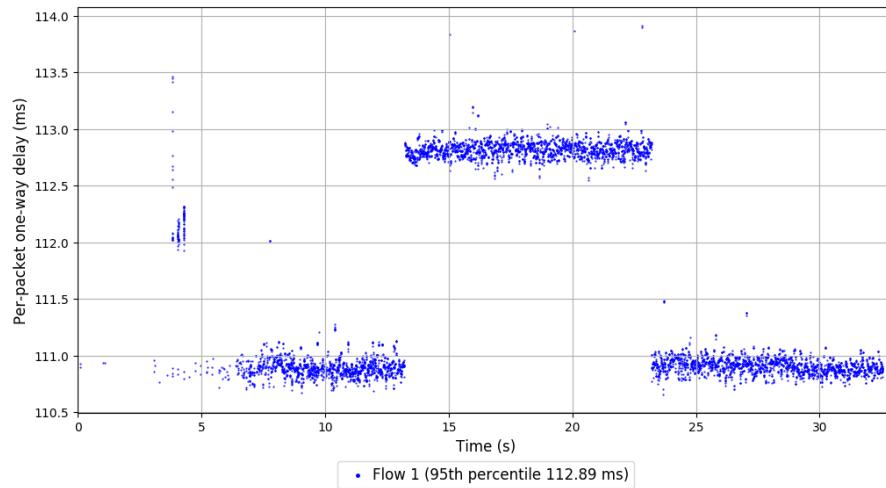
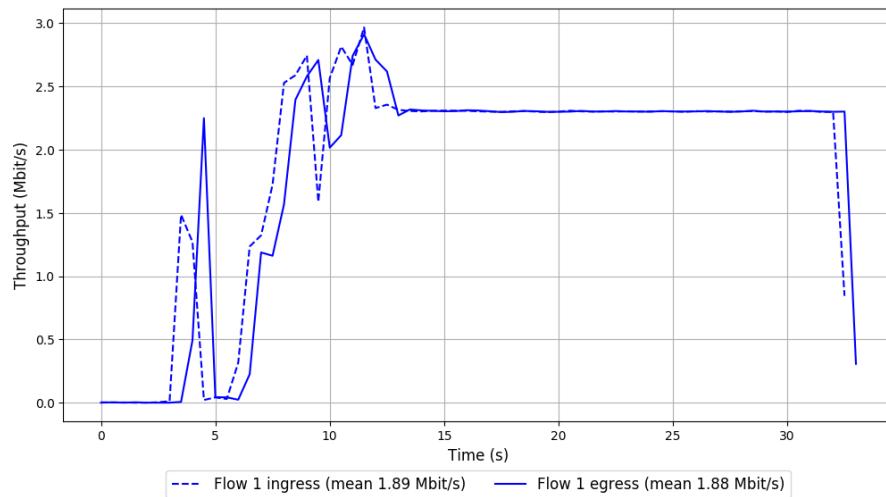


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-30 00:25:19
End at: 2018-06-30 00:25:49
Local clock offset: -0.201 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 112.887 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 112.887 ms
Loss rate: 0.87%
```

Run 4: Report of WebRTC media — Data Link

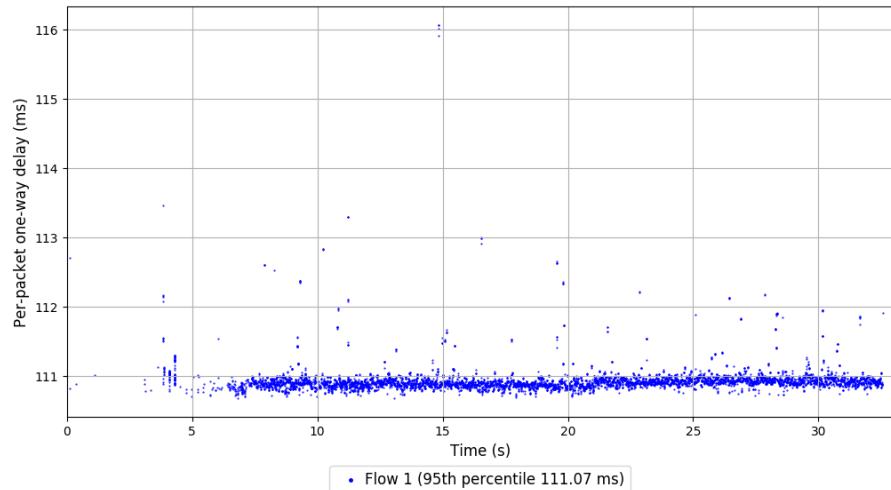
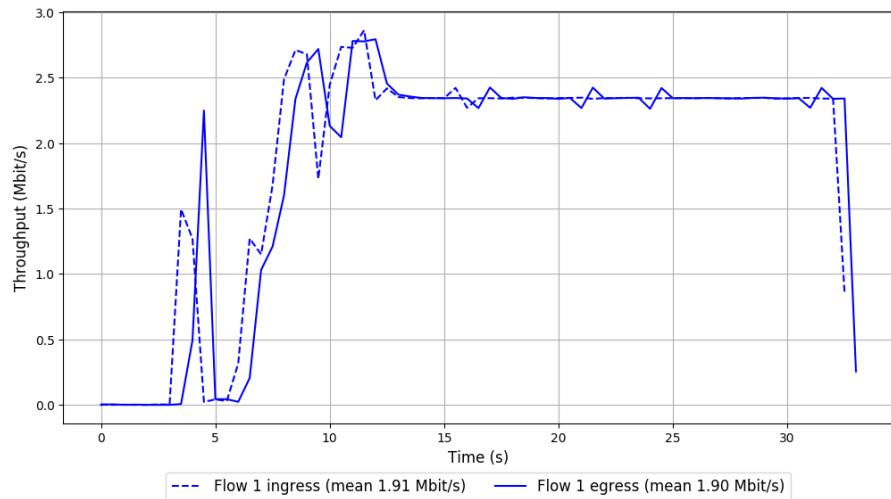


Run 5: Statistics of WebRTC media

```
Start at: 2018-06-30 00:47:21
End at: 2018-06-30 00:47:51
Local clock offset: -0.219 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 111.069 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 111.069 ms
Loss rate: 0.86%
```

Run 5: Report of WebRTC media — Data Link

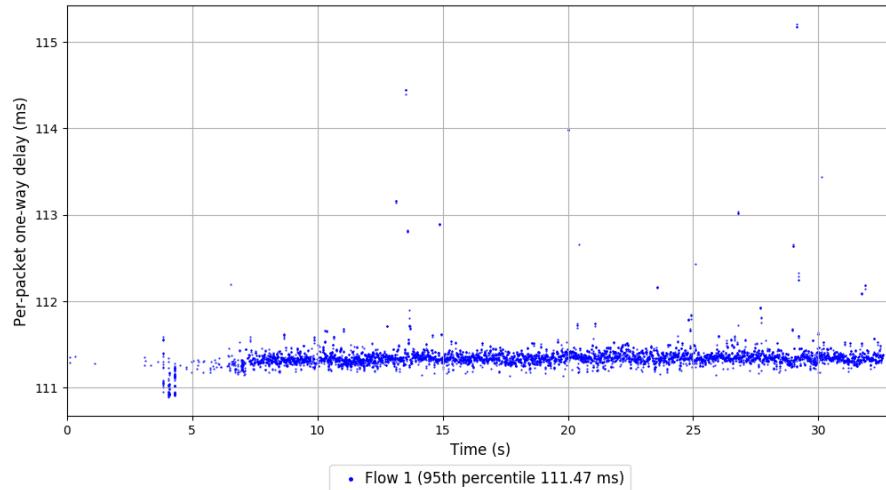
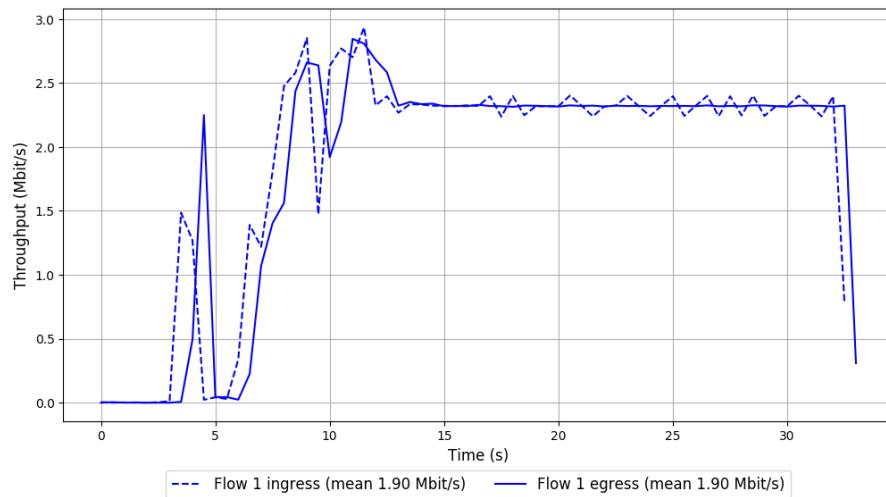


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-30 01:09:33
End at: 2018-06-30 01:10:03
Local clock offset: -0.176 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 111.472 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 111.472 ms
Loss rate: 0.81%
```

Run 6: Report of WebRTC media — Data Link

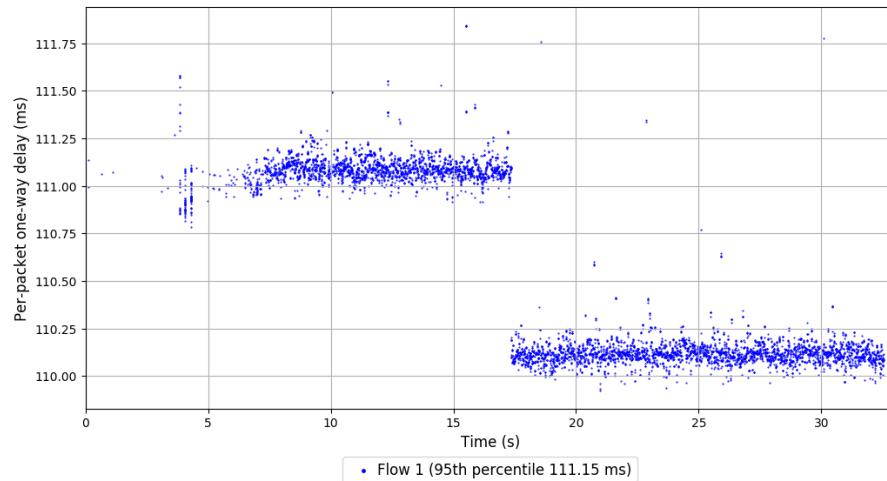
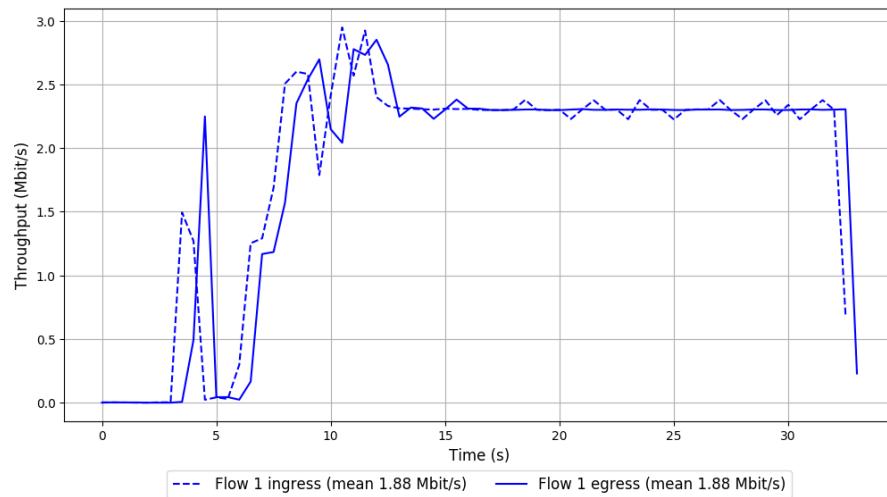


```
Run 7: Statistics of WebRTC media

Start at: 2018-06-30 01:32:05
End at: 2018-06-30 01:32:35
Local clock offset: -0.48 ms
Remote clock offset: -0.386 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 111.153 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 111.153 ms
Loss rate: 0.81%
```

Run 7: Report of WebRTC media — Data Link

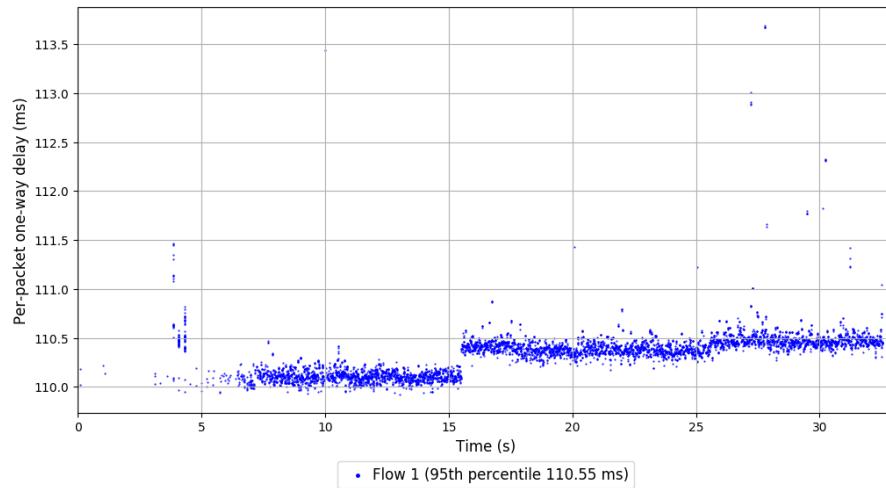
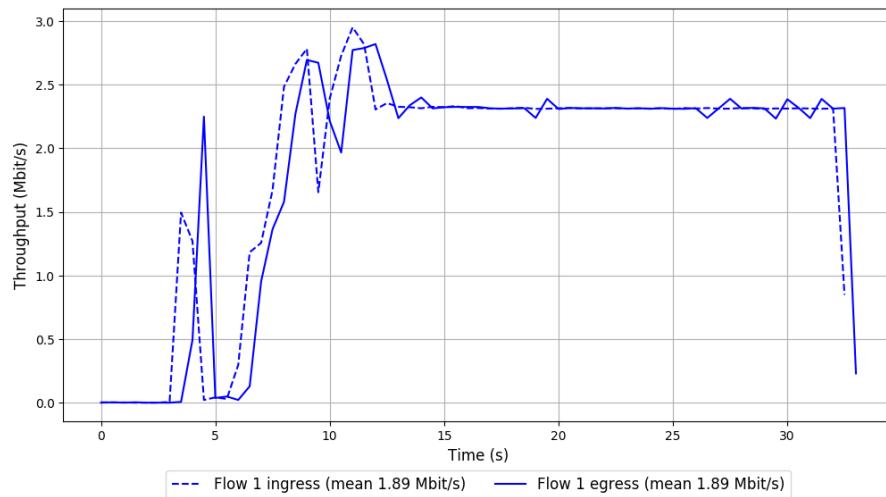


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-30 01:54:46
End at: 2018-06-30 01:55:16
Local clock offset: -1.374 ms
Remote clock offset: -0.28 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 110.550 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 110.550 ms
Loss rate: 0.87%
```

Run 8: Report of WebRTC media — Data Link

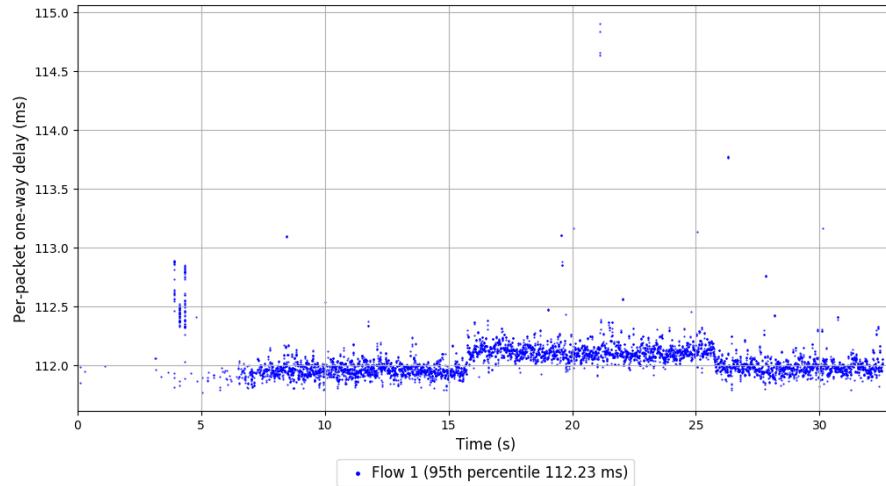
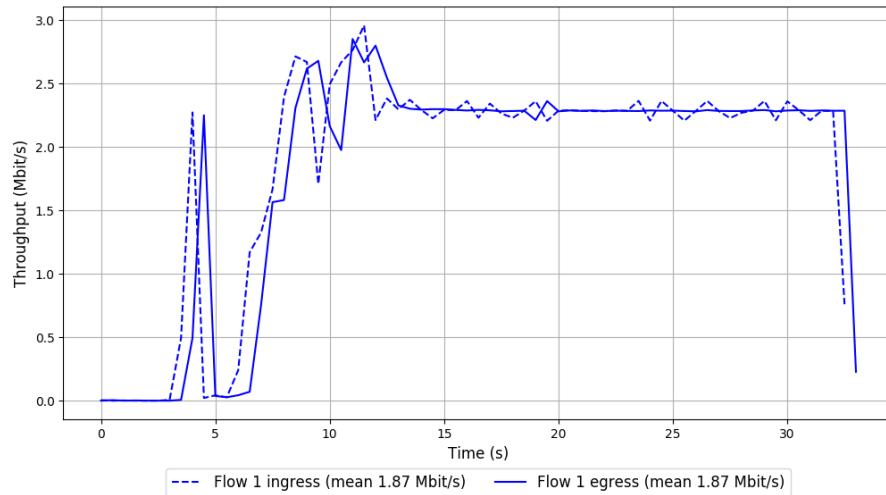


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-30 02:17:06
End at: 2018-06-30 02:17:36
Local clock offset: 1.241 ms
Remote clock offset: 0.418 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 112.235 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 112.235 ms
Loss rate: 0.81%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-06-30 02:39:17
End at: 2018-06-30 02:39:47
Local clock offset: 1.259 ms
Remote clock offset: 0.376 ms

# Below is generated by plot.py at 2018-06-30 04:13:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 112.195 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 112.195 ms
Loss rate: 0.88%
```

Run 10: Report of WebRTC media — Data Link

