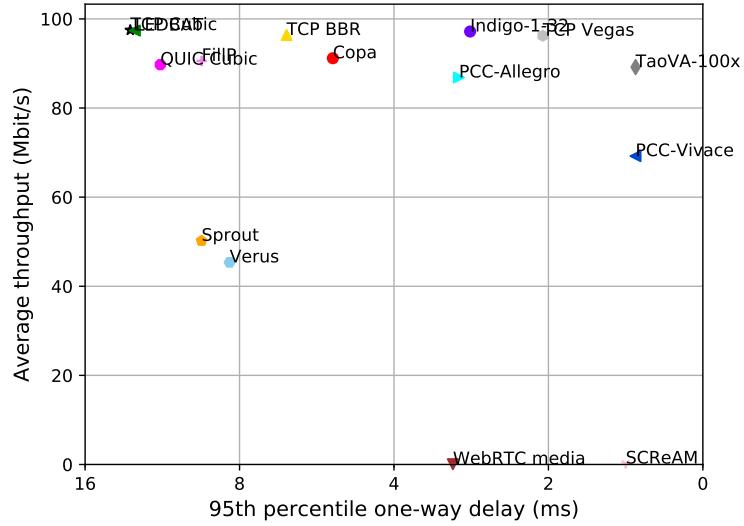


Pantheon Report

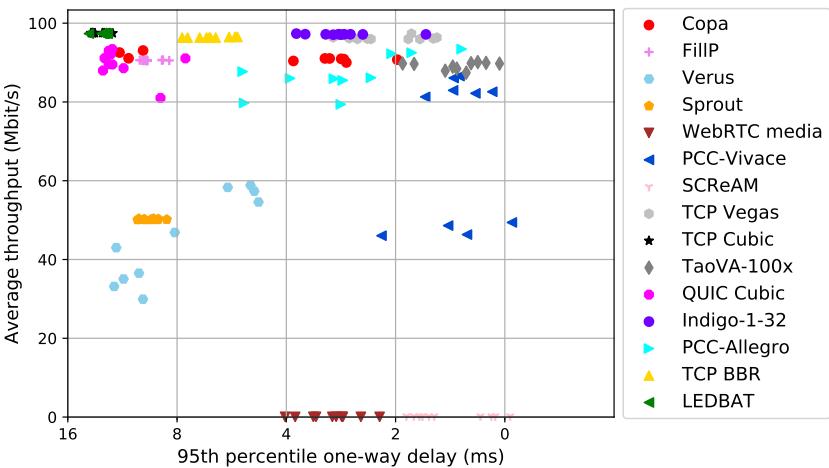
Generated at 2018-04-24 11:52:21 (UTC).
Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

```
Git summary:  
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c  
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50  
  M datagrump/sender.cc  
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44  
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec  
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9  
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d  
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f  
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89  
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681  
  M datagrump/sender.cc  
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf  
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993  
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 @ c3370fd7bd17265a79aeb34e4016ad23f5965885  
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681  
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce  
  M src/examples/cellsim.cc  
  M src/examples/sproutbt2.cc  
  M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
  M src/verus.hpp  
  M tools/plot.py  
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3  
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme



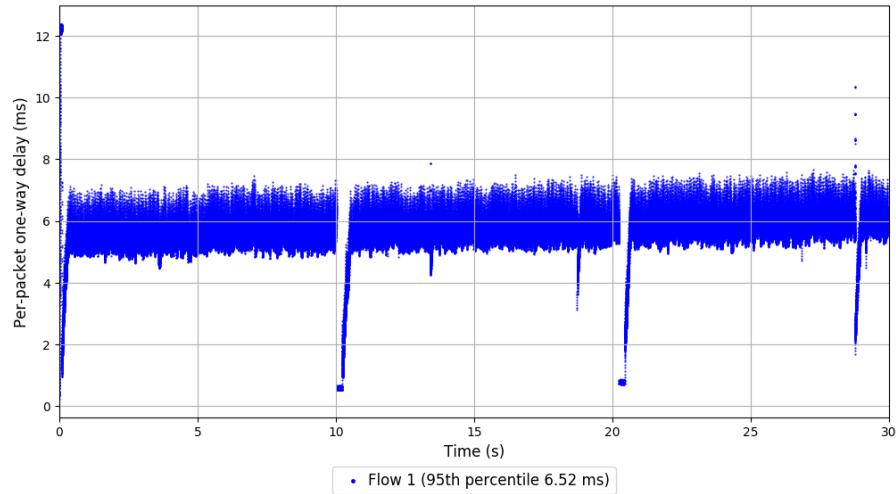
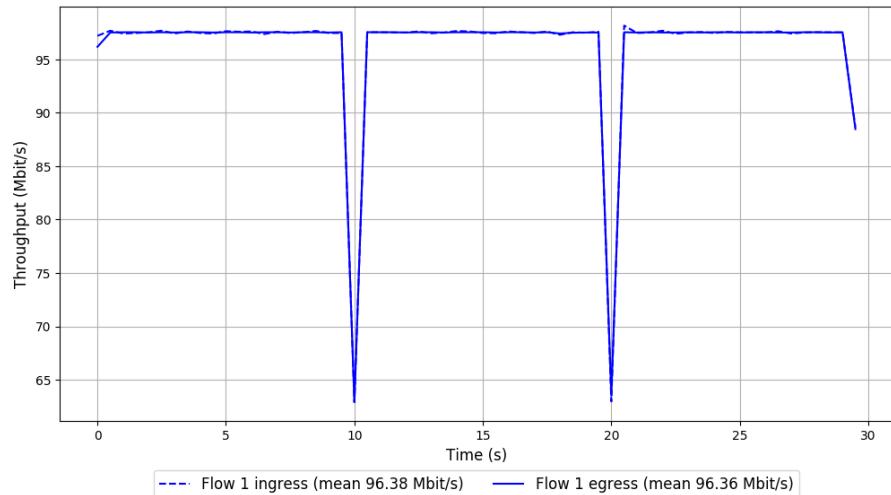
| scheme | # runs | mean avg tput (Mbit/s) flow 1 | mean 95th-%ile delay (ms) flow 1 | mean loss rate (%) flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR | 10 | 96.39 | 6.48 | 0.02 |
| TCP Cubic | 10 | 97.49 | 13.06 | 0.05 |
| LEDBAT | 10 | 97.38 | 12.80 | 0.04 |
| PCC-Allegro | 10 | 86.85 | 2.99 | 0.01 |
| QUIC Cubic | 10 | 89.74 | 11.42 | 0.03 |
| SCReAM | 10 | 0.22 | 1.00 | 0.00 |
| WebRTC media | 10 | 0.06 | 3.07 | 0.00 |
| Sprout | 10 | 50.20 | 9.49 | 0.01 |
| TaoVA-100x | 10 | 89.18 | 0.87 | 0.01 |
| TCP Vegas | 10 | 96.22 | 2.05 | 0.01 |
| Verus | 10 | 45.36 | 8.36 | 0.01 |
| Copa | 10 | 91.17 | 5.26 | 0.01 |
| FillP | 10 | 90.56 | 9.48 | 0.02 |
| Indigo-1-32 | 10 | 97.17 | 2.84 | 0.01 |
| PCC-Vivace | 10 | 69.20 | 0.87 | 0.01 |
| PCC-Expr | 0 | N/A | N/A | N/A |

Run 1: Statistics of TCP BBR

```
Start at: 2018-04-24 05:06:47
End at: 2018-04-24 05:07:17
Local clock offset: -8.232 ms
Remote clock offset: -6.703 ms

# Below is generated by plot.py at 2018-04-24 11:29:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 6.516 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 6.516 ms
Loss rate: 0.02%
```

Run 1: Report of TCP BBR — Data Link

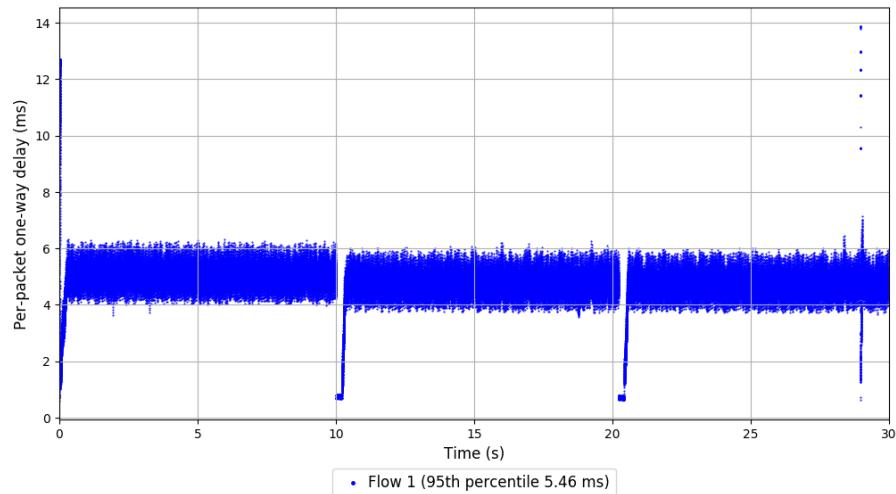
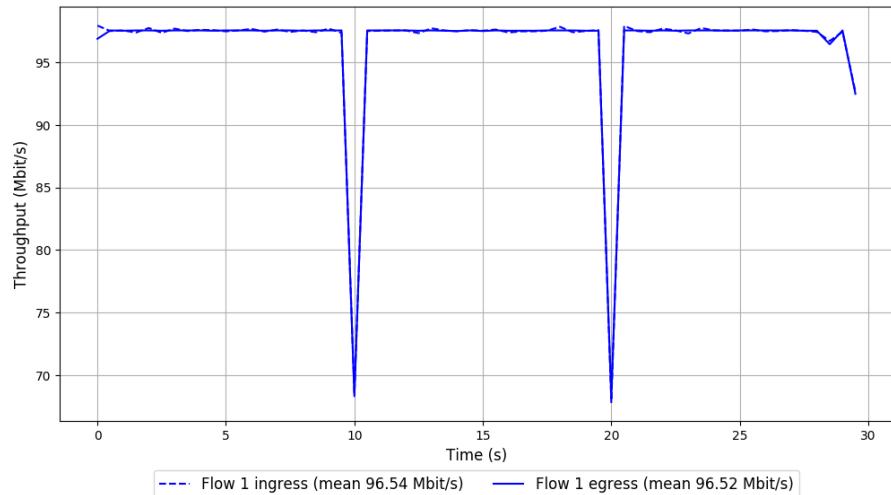


Run 2: Statistics of TCP BBR

```
Start at: 2018-04-24 05:25:48
End at: 2018-04-24 05:26:18
Local clock offset: -10.408 ms
Remote clock offset: -6.629 ms

# Below is generated by plot.py at 2018-04-24 11:29:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 5.455 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 5.455 ms
Loss rate: 0.02%
```

Run 2: Report of TCP BBR — Data Link

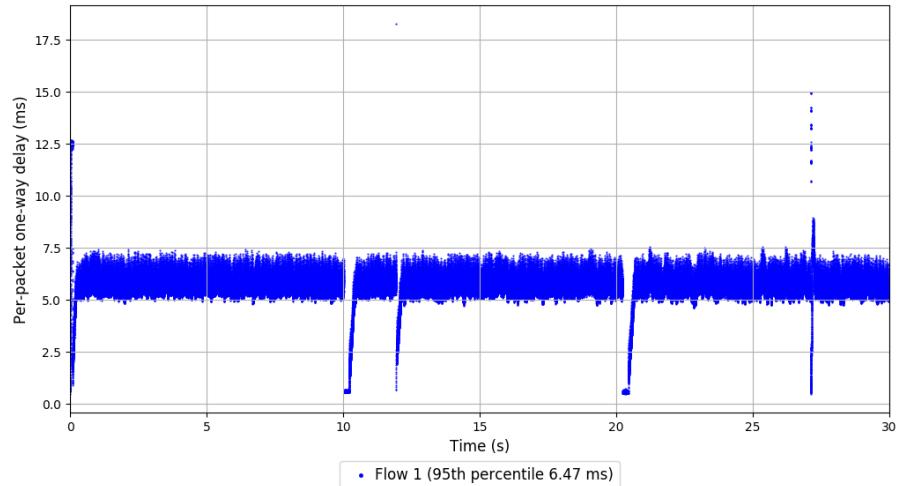
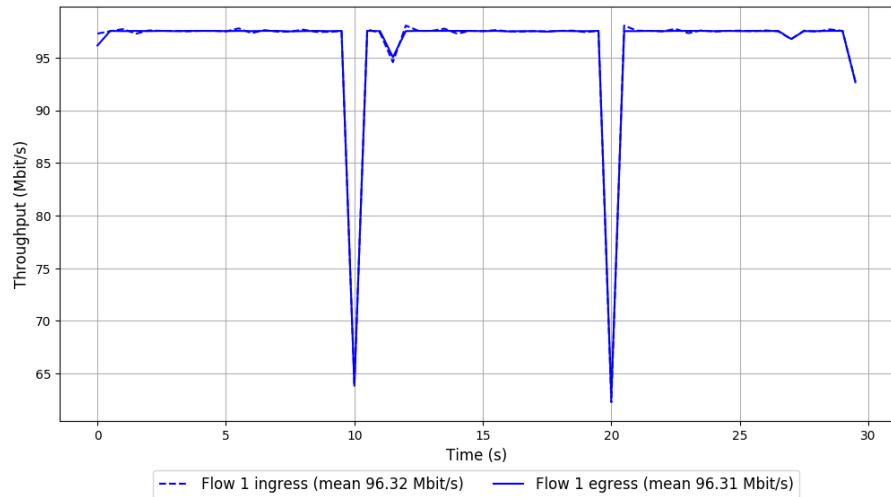


Run 3: Statistics of TCP BBR

```
Start at: 2018-04-24 05:44:53
End at: 2018-04-24 05:45:23
Local clock offset: -11.407 ms
Remote clock offset: -6.549 ms

# Below is generated by plot.py at 2018-04-24 11:29:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 6.473 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 6.473 ms
Loss rate: 0.02%
```

Run 3: Report of TCP BBR — Data Link

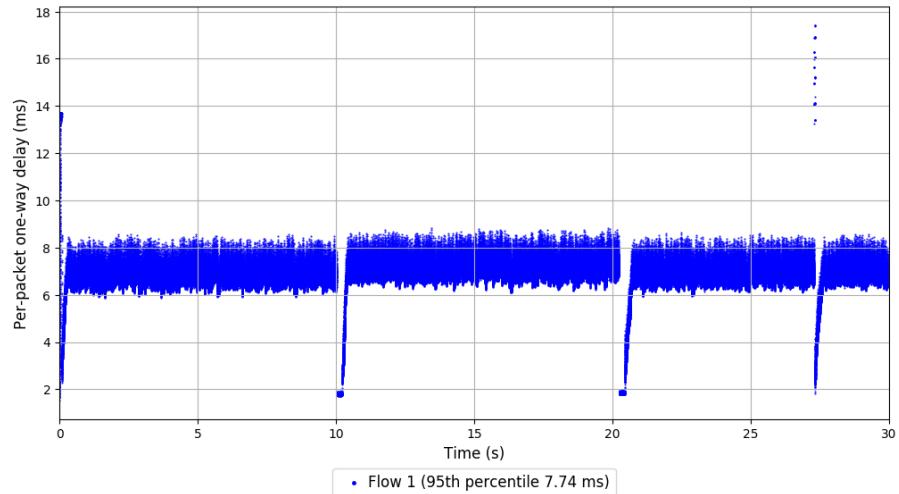
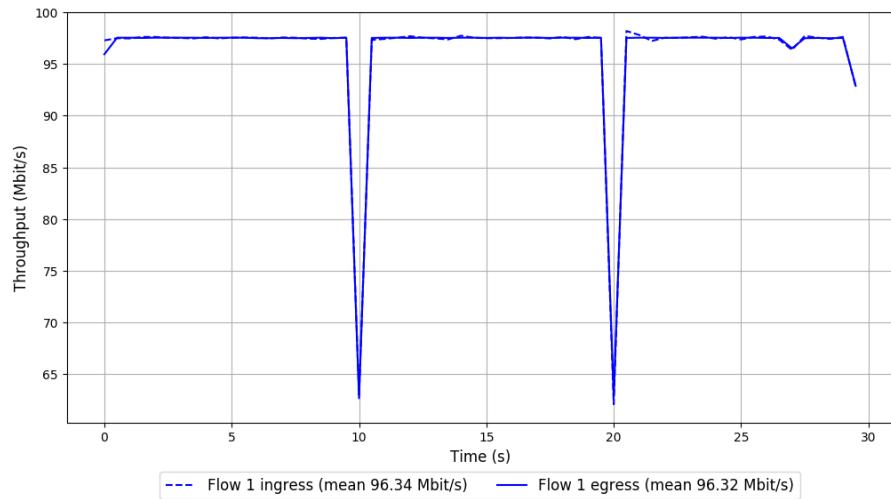


Run 4: Statistics of TCP BBR

```
Start at: 2018-04-24 06:03:55
End at: 2018-04-24 06:04:25
Local clock offset: -11.694 ms
Remote clock offset: -6.416 ms

# Below is generated by plot.py at 2018-04-24 11:29:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 7.744 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 7.744 ms
Loss rate: 0.02%
```

Run 4: Report of TCP BBR — Data Link

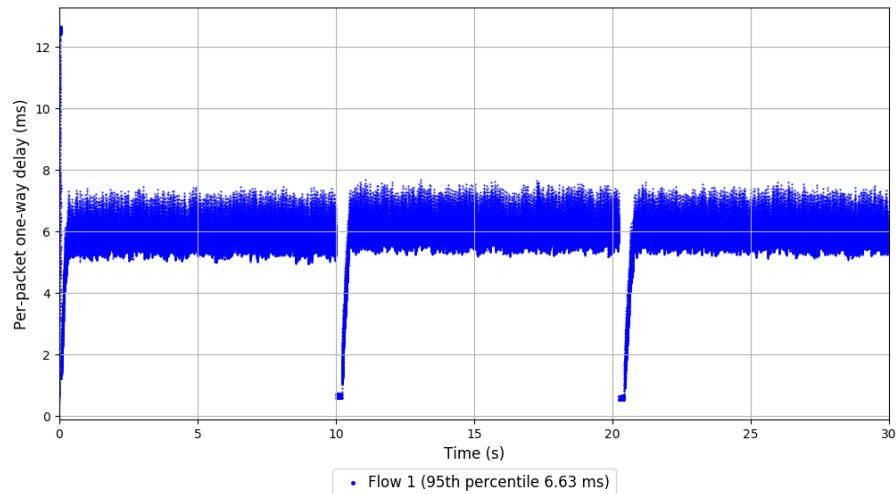
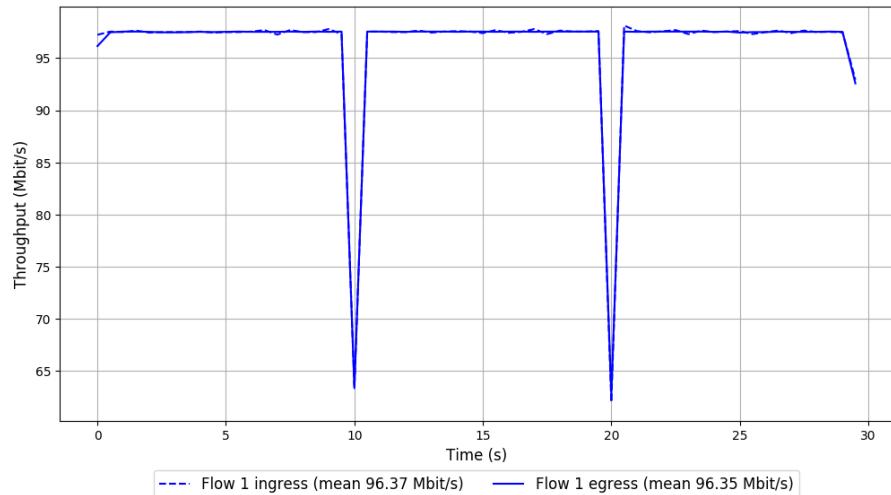


Run 5: Statistics of TCP BBR

```
Start at: 2018-04-24 06:22:58
End at: 2018-04-24 06:23:28
Local clock offset: -11.641 ms
Remote clock offset: -6.875 ms

# Below is generated by plot.py at 2018-04-24 11:29:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 6.634 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 6.634 ms
Loss rate: 0.03%
```

Run 5: Report of TCP BBR — Data Link

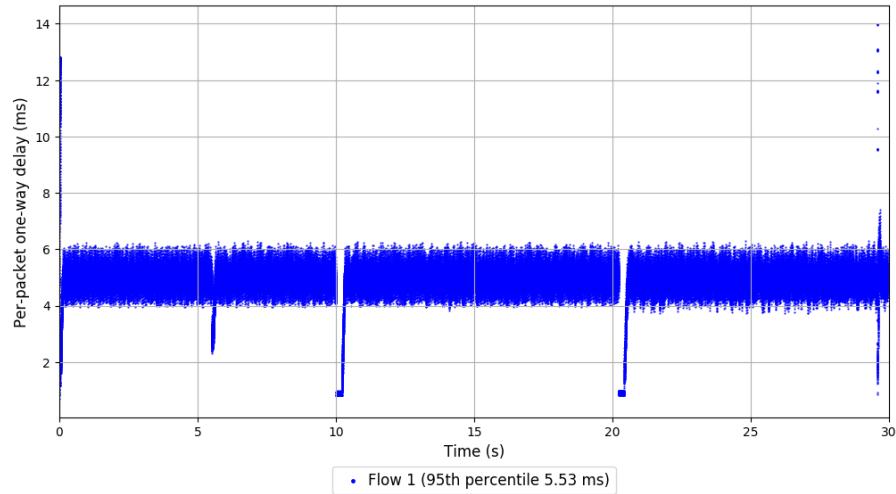
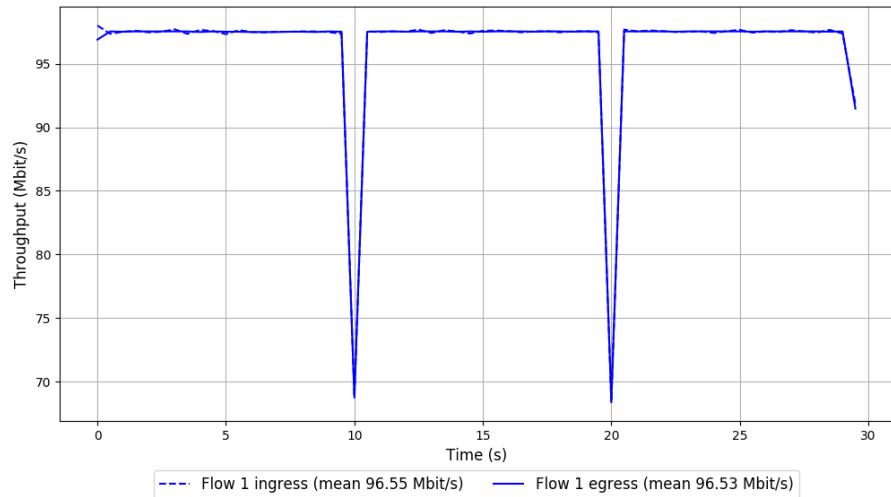


Run 6: Statistics of TCP BBR

```
Start at: 2018-04-24 06:42:02
End at: 2018-04-24 06:42:32
Local clock offset: -10.307 ms
Remote clock offset: -6.926 ms

# Below is generated by plot.py at 2018-04-24 11:29:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 5.533 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 5.533 ms
Loss rate: 0.02%
```

Run 6: Report of TCP BBR — Data Link

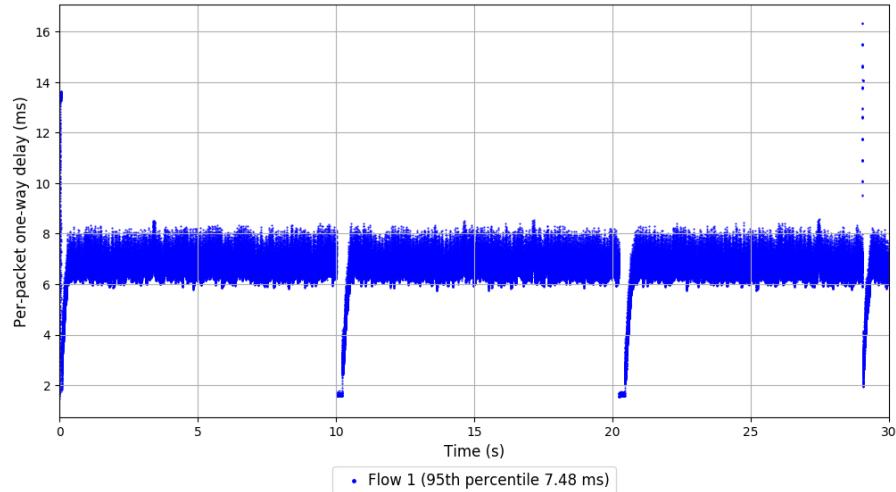
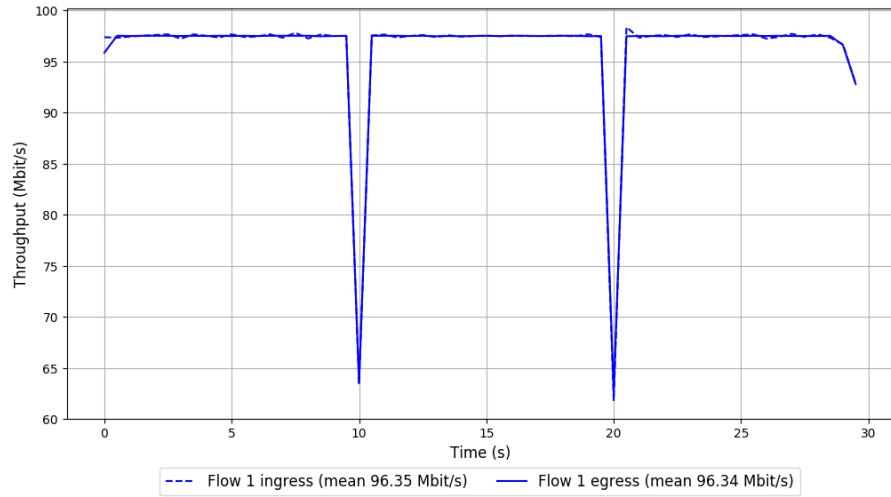


Run 7: Statistics of TCP BBR

```
Start at: 2018-04-24 07:01:04
End at: 2018-04-24 07:01:34
Local clock offset: -7.689 ms
Remote clock offset: -6.938 ms

# Below is generated by plot.py at 2018-04-24 11:29:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 7.482 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 7.482 ms
Loss rate: 0.02%
```

Run 7: Report of TCP BBR — Data Link

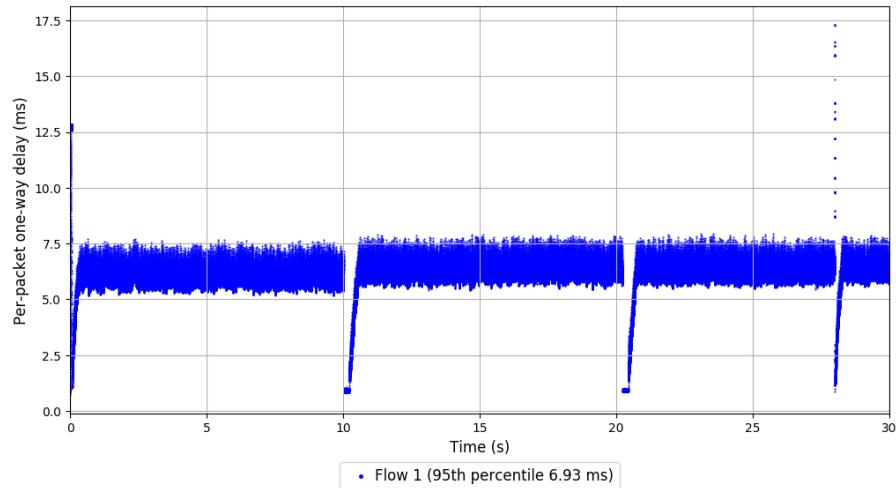
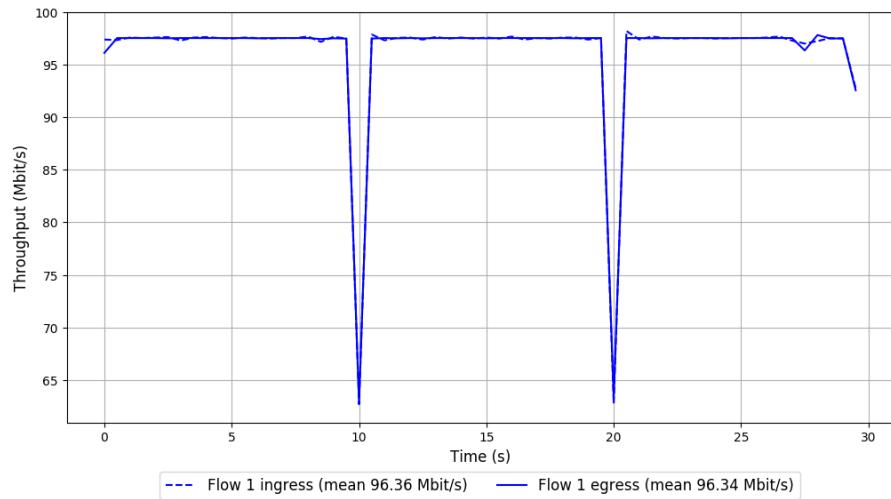


Run 8: Statistics of TCP BBR

```
Start at: 2018-04-24 07:20:07
End at: 2018-04-24 07:20:37
Local clock offset: -8.559 ms
Remote clock offset: -6.603 ms

# Below is generated by plot.py at 2018-04-24 11:29:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 6.932 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 6.932 ms
Loss rate: 0.02%
```

Run 8: Report of TCP BBR — Data Link

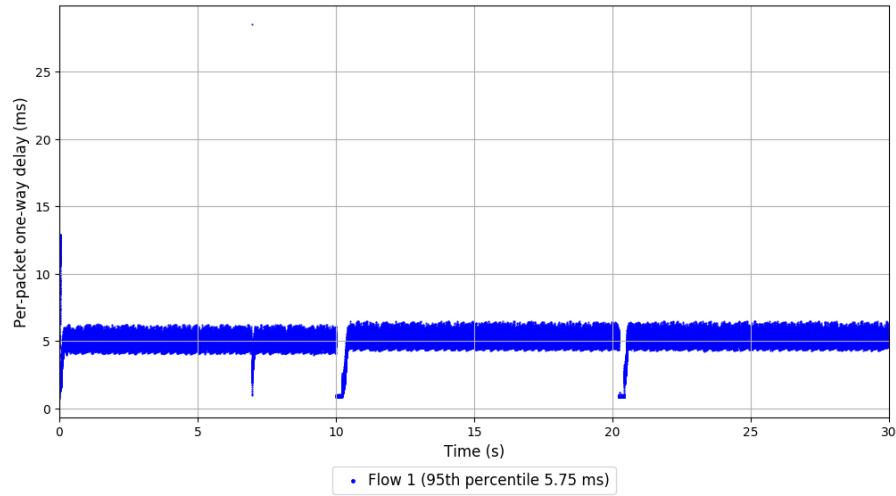
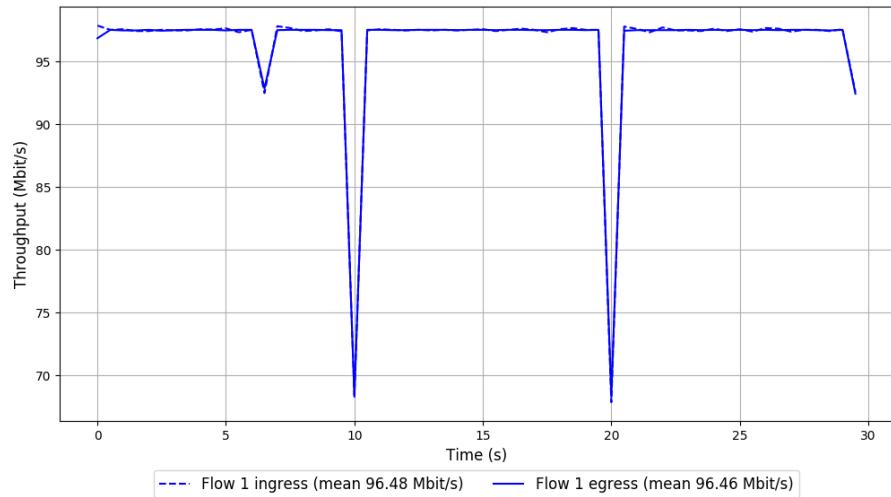


Run 9: Statistics of TCP BBR

```
Start at: 2018-04-24 07:39:11
End at: 2018-04-24 07:39:41
Local clock offset: -7.137 ms
Remote clock offset: -6.261 ms

# Below is generated by plot.py at 2018-04-24 11:31:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 5.751 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 5.751 ms
Loss rate: 0.02%
```

Run 9: Report of TCP BBR — Data Link

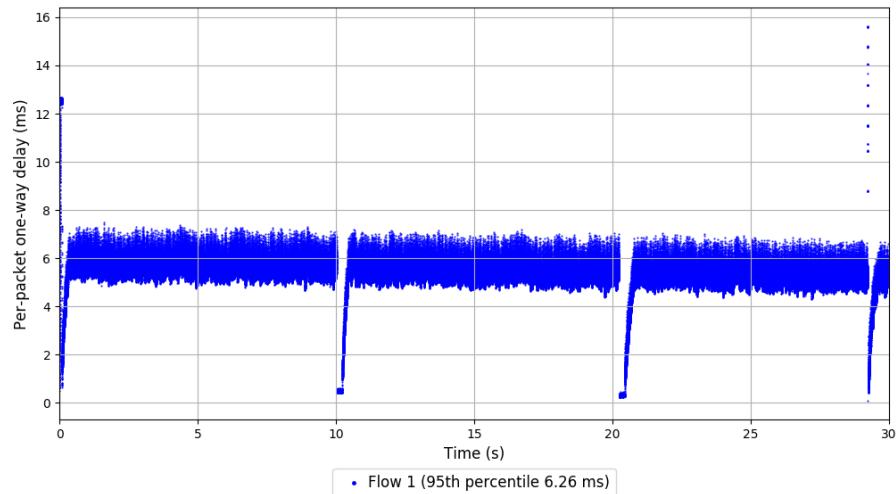
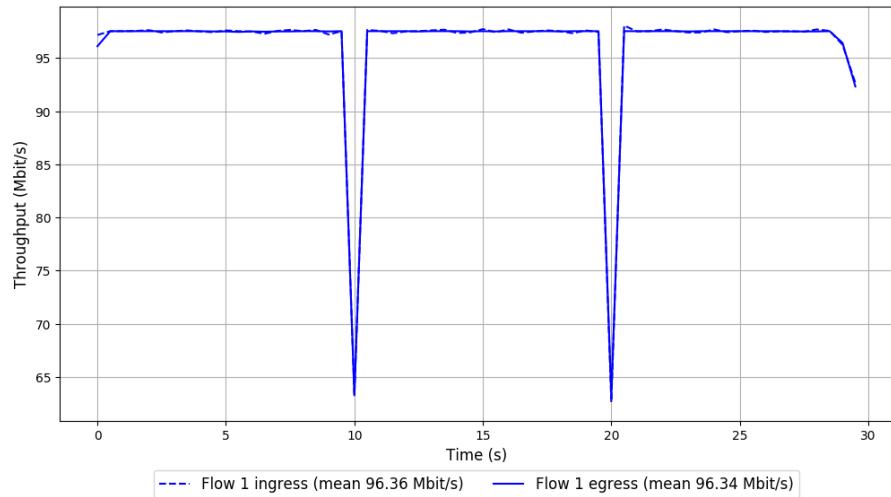


Run 10: Statistics of TCP BBR

```
Start at: 2018-04-24 07:58:14
End at: 2018-04-24 07:58:44
Local clock offset: -7.171 ms
Remote clock offset: -6.504 ms

# Below is generated by plot.py at 2018-04-24 11:31:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 6.262 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 6.262 ms
Loss rate: 0.02%
```

Run 10: Report of TCP BBR — Data Link

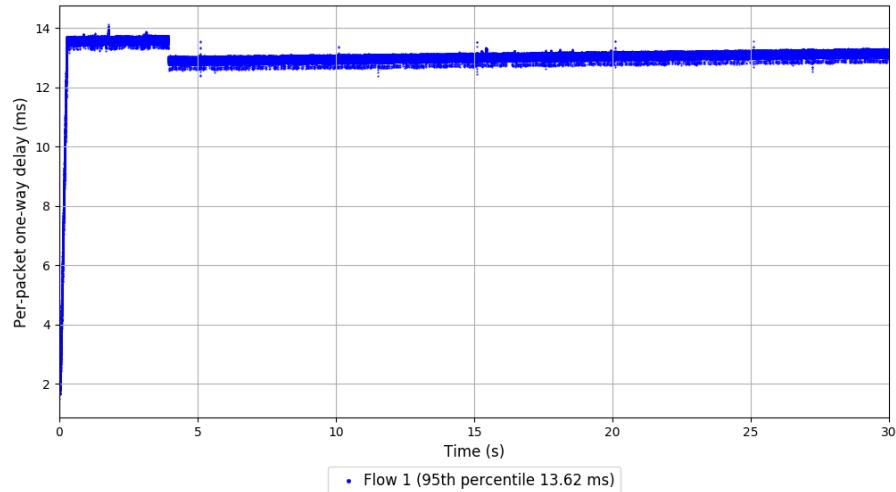
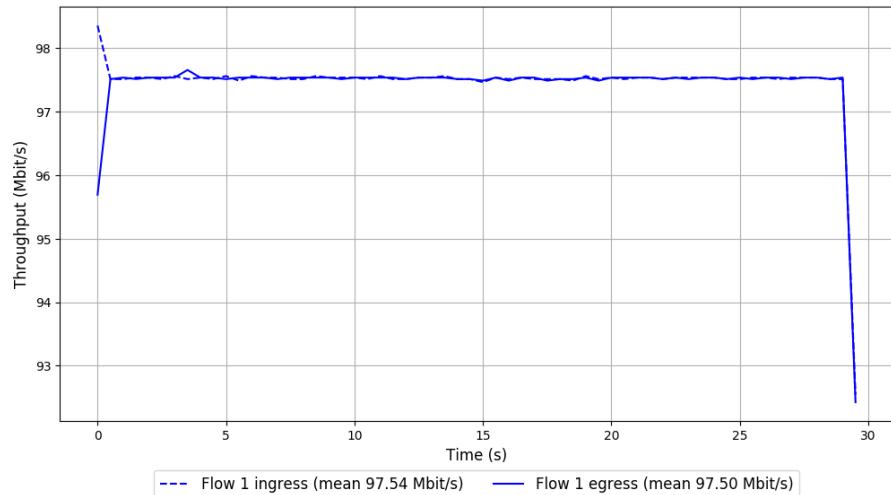


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-04-24 05:21:18
End at: 2018-04-24 05:21:48
Local clock offset: -11.133 ms
Remote clock offset: -6.677 ms

# Below is generated by plot.py at 2018-04-24 11:31:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 13.623 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 13.623 ms
Loss rate: 0.05%
```

Run 1: Report of TCP Cubic — Data Link

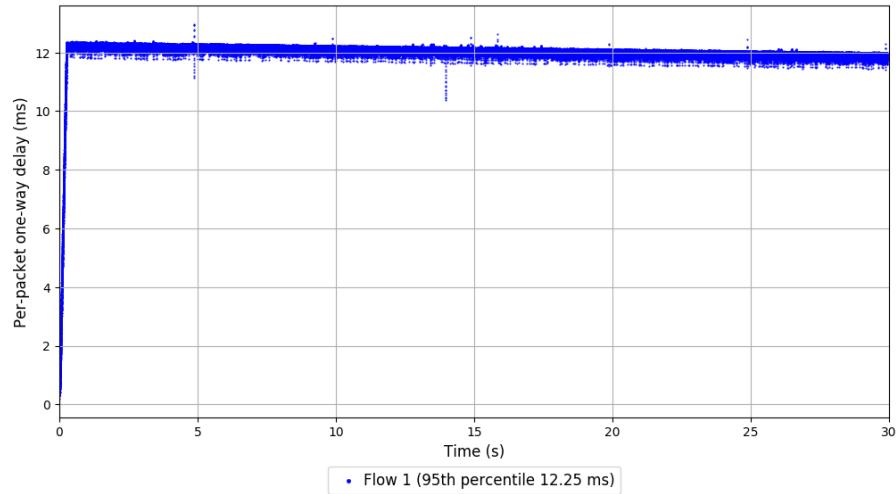
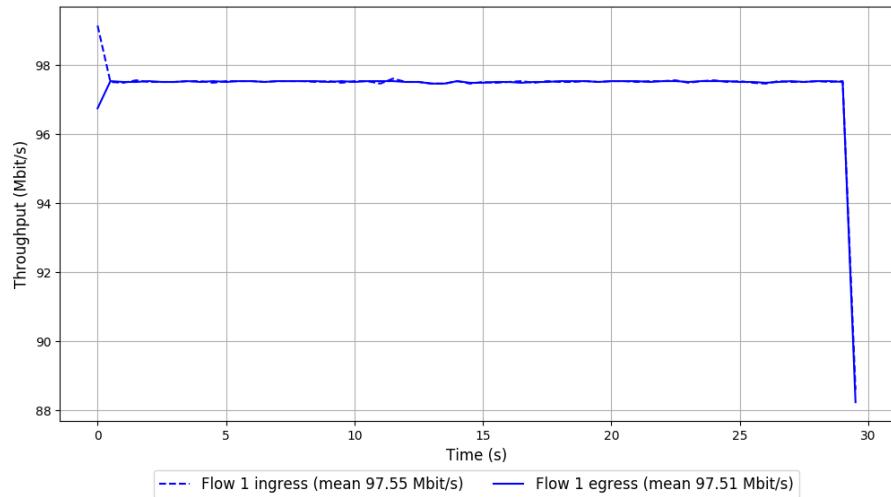


Run 2: Statistics of TCP Cubic

```
Start at: 2018-04-24 05:40:23
End at: 2018-04-24 05:40:53
Local clock offset: -14.047 ms
Remote clock offset: -6.546 ms

# Below is generated by plot.py at 2018-04-24 11:31:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 12.247 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 12.247 ms
Loss rate: 0.05%
```

Run 2: Report of TCP Cubic — Data Link

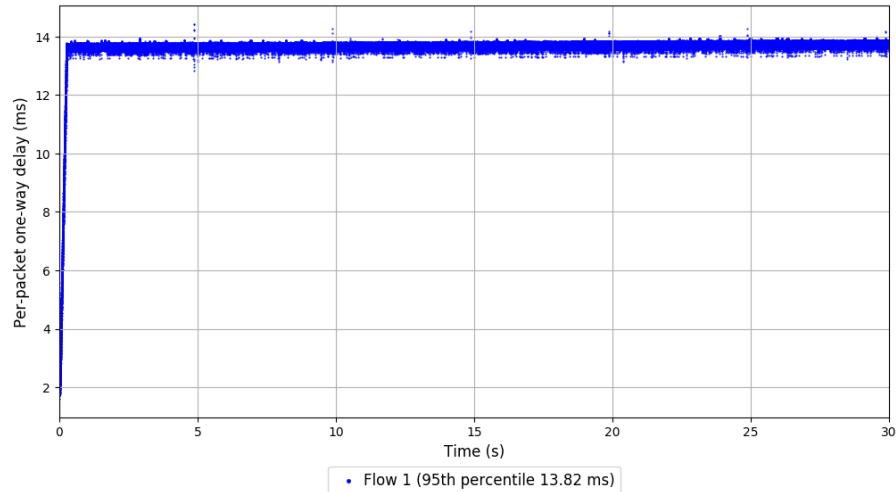
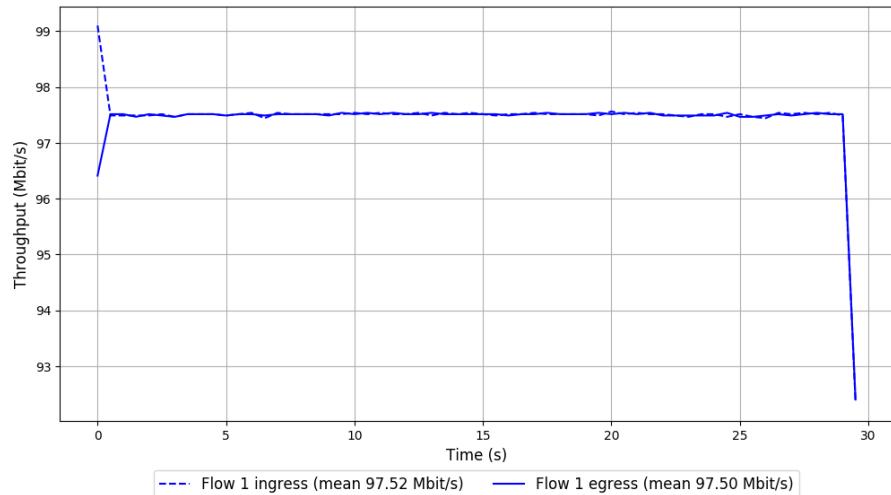


Run 3: Statistics of TCP Cubic

```
Start at: 2018-04-24 05:59:25
End at: 2018-04-24 05:59:55
Local clock offset: -10.579 ms
Remote clock offset: -6.454 ms

# Below is generated by plot.py at 2018-04-24 11:31:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 13.819 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 13.819 ms
Loss rate: 0.05%
```

Run 3: Report of TCP Cubic — Data Link

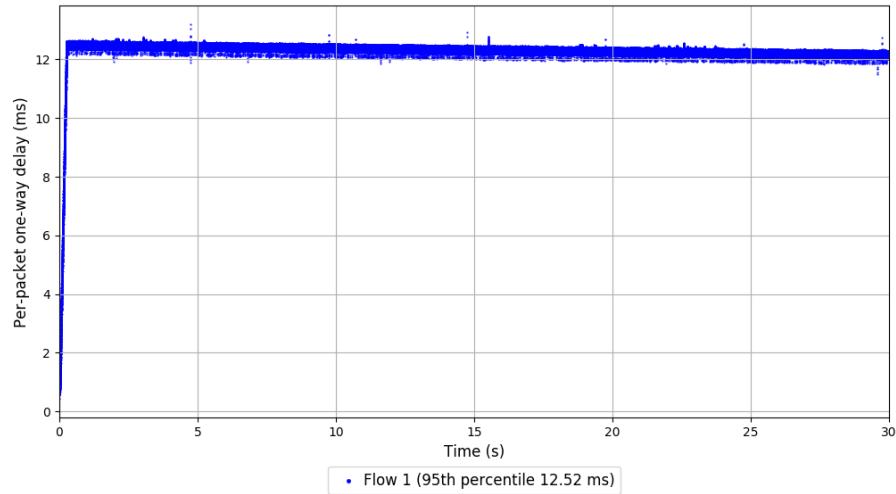
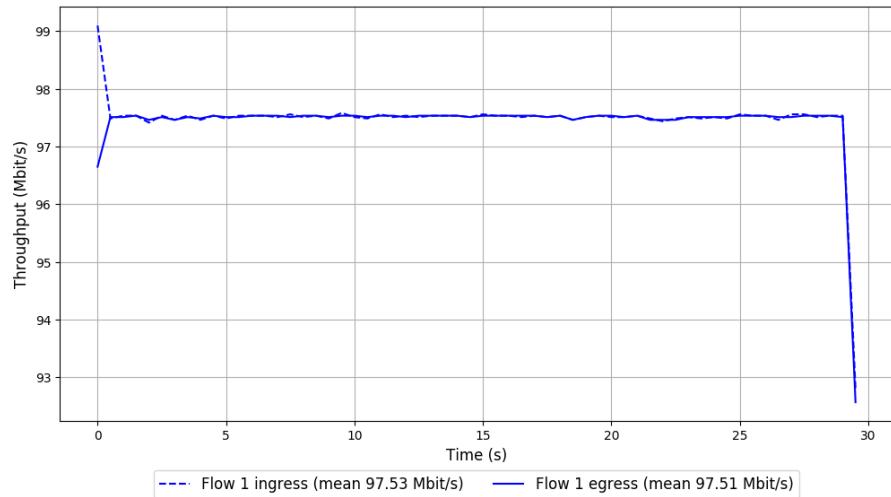


Run 4: Statistics of TCP Cubic

```
Start at: 2018-04-24 06:18:27
End at: 2018-04-24 06:18:58
Local clock offset: -14.006 ms
Remote clock offset: -6.897 ms

# Below is generated by plot.py at 2018-04-24 11:31:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 12.518 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 12.518 ms
Loss rate: 0.05%
```

Run 4: Report of TCP Cubic — Data Link

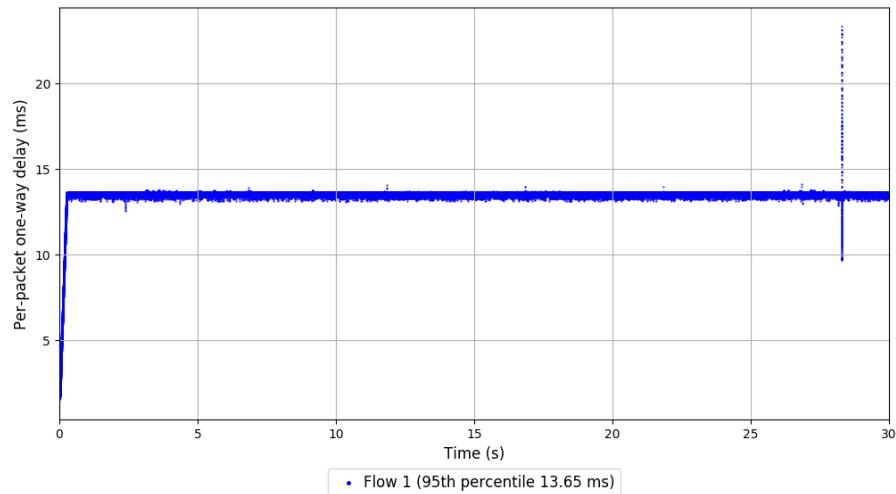
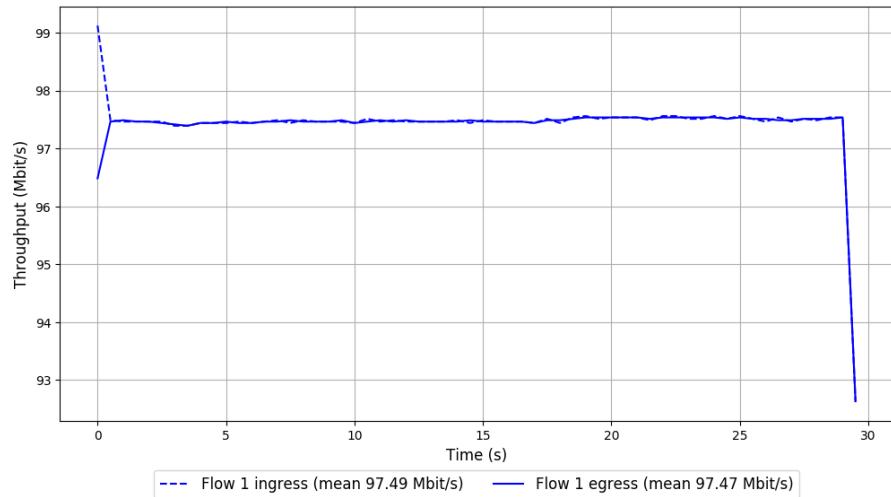


Run 5: Statistics of TCP Cubic

```
Start at: 2018-04-24 06:37:32
End at: 2018-04-24 06:38:02
Local clock offset: -9.215 ms
Remote clock offset: -6.924 ms

# Below is generated by plot.py at 2018-04-24 11:31:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 13.647 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 13.647 ms
Loss rate: 0.04%
```

Run 5: Report of TCP Cubic — Data Link

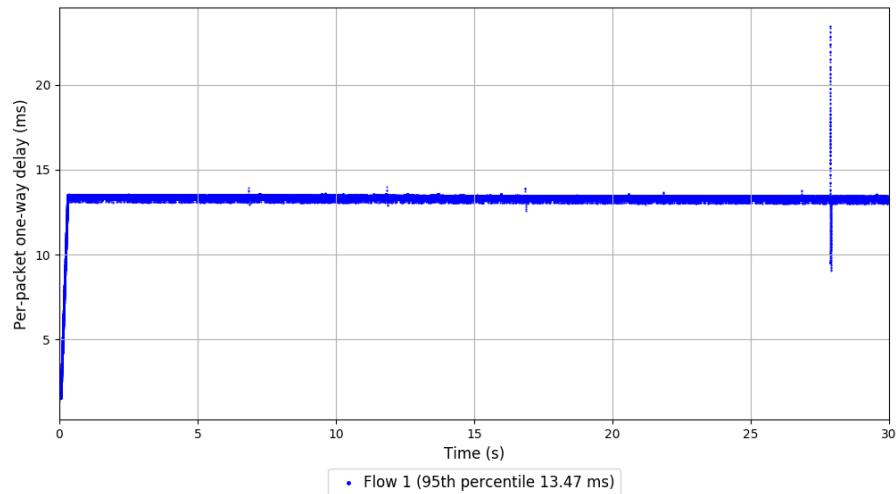
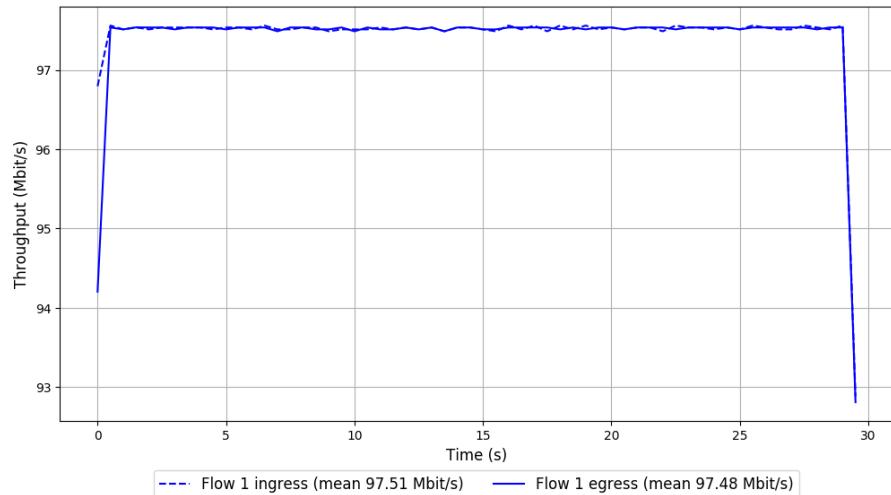


Run 6: Statistics of TCP Cubic

```
Start at: 2018-04-24 06:56:34
End at: 2018-04-24 06:57:04
Local clock offset: -8.31 ms
Remote clock offset: -6.937 ms

# Below is generated by plot.py at 2018-04-24 11:31:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 13.469 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 13.469 ms
Loss rate: 0.05%
```

Run 6: Report of TCP Cubic — Data Link

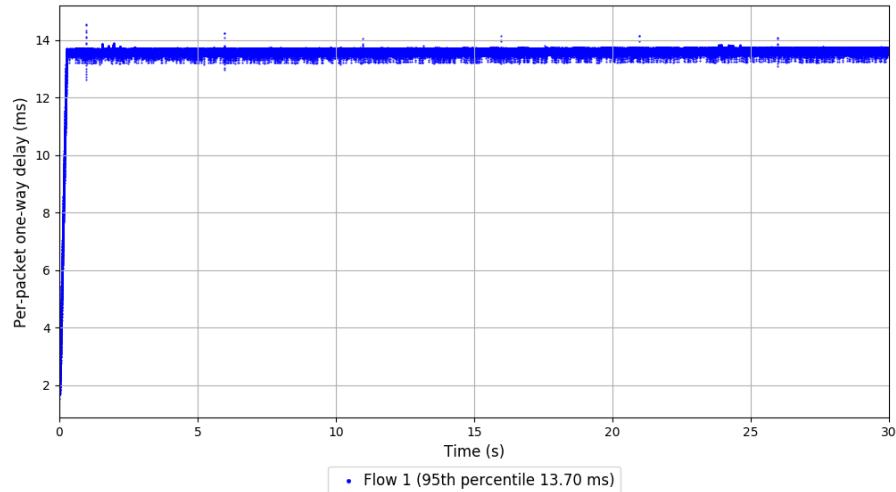
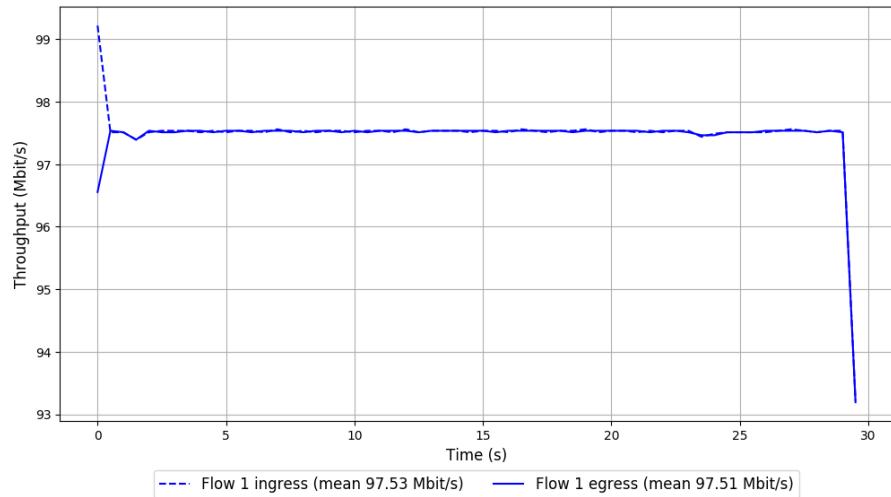


Run 7: Statistics of TCP Cubic

```
Start at: 2018-04-24 07:15:37
End at: 2018-04-24 07:16:07
Local clock offset: -7.573 ms
Remote clock offset: -6.885 ms

# Below is generated by plot.py at 2018-04-24 11:32:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 13.703 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 13.703 ms
Loss rate: 0.05%
```

Run 7: Report of TCP Cubic — Data Link

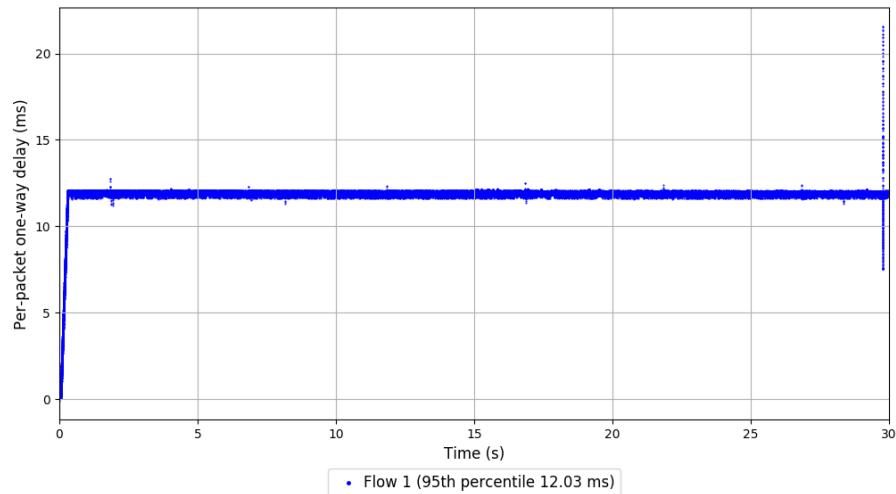
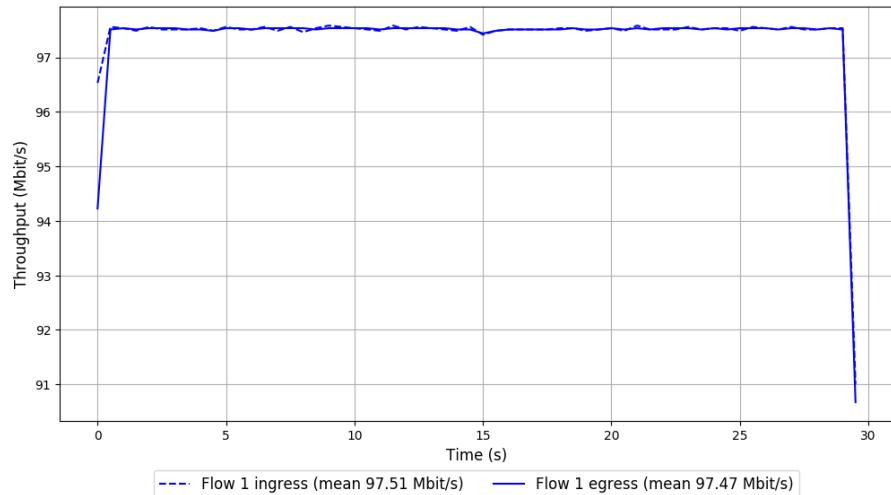


Run 8: Statistics of TCP Cubic

```
Start at: 2018-04-24 07:34:41
End at: 2018-04-24 07:35:11
Local clock offset: -8.033 ms
Remote clock offset: -6.242 ms

# Below is generated by plot.py at 2018-04-24 11:32:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 12.034 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 12.034 ms
Loss rate: 0.05%
```

Run 8: Report of TCP Cubic — Data Link

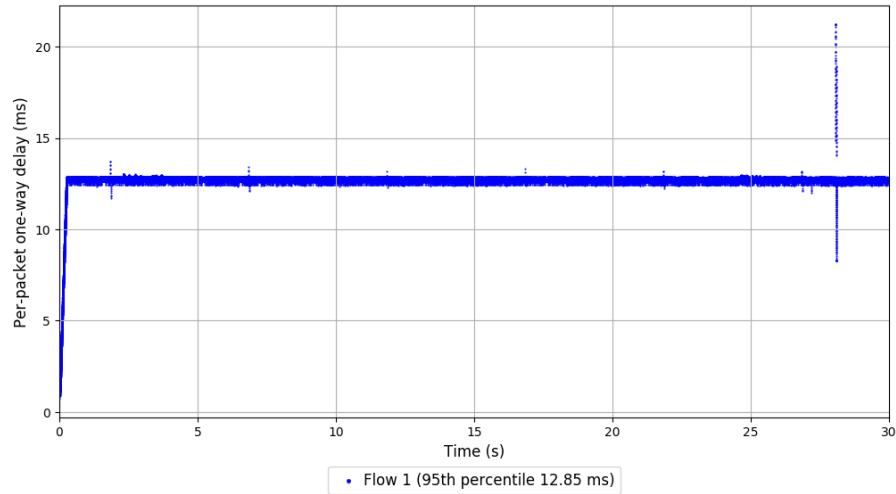
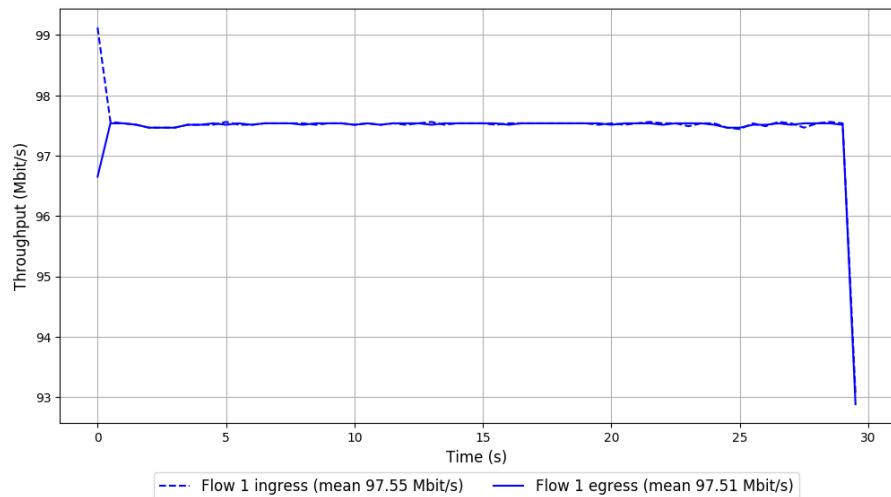


Run 9: Statistics of TCP Cubic

```
Start at: 2018-04-24 07:53:44
End at: 2018-04-24 07:54:14
Local clock offset: -7.093 ms
Remote clock offset: -6.39 ms

# Below is generated by plot.py at 2018-04-24 11:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 12.846 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 12.846 ms
Loss rate: 0.05%
```

Run 9: Report of TCP Cubic — Data Link

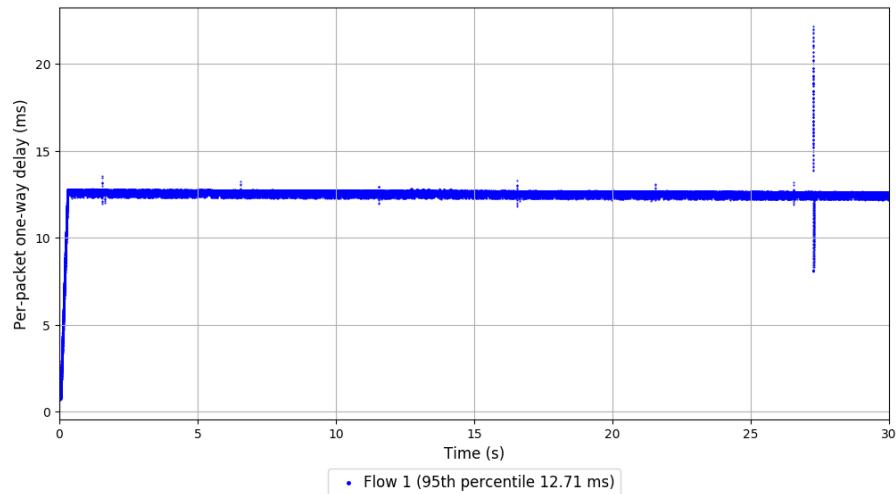
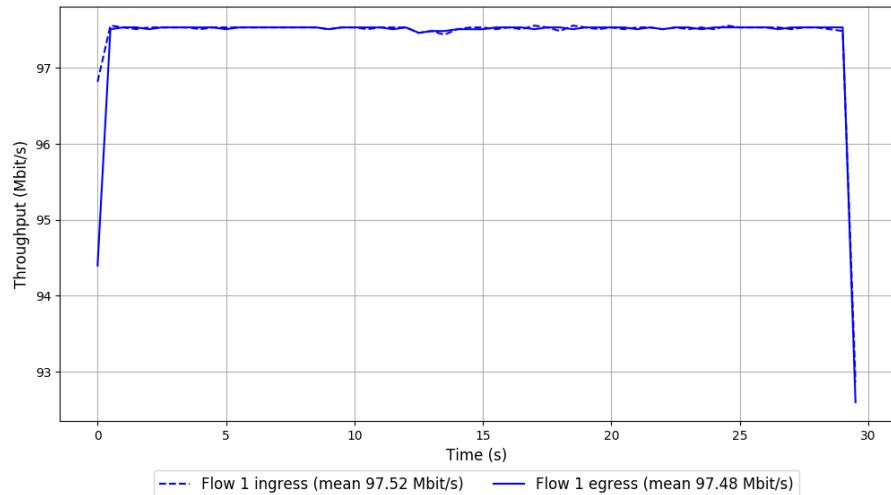


Run 10: Statistics of TCP Cubic

```
Start at: 2018-04-24 08:12:47
End at: 2018-04-24 08:13:17
Local clock offset: 1.644 ms
Remote clock offset: -6.73 ms

# Below is generated by plot.py at 2018-04-24 11:32:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 12.708 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 12.708 ms
Loss rate: 0.05%
```

Run 10: Report of TCP Cubic — Data Link

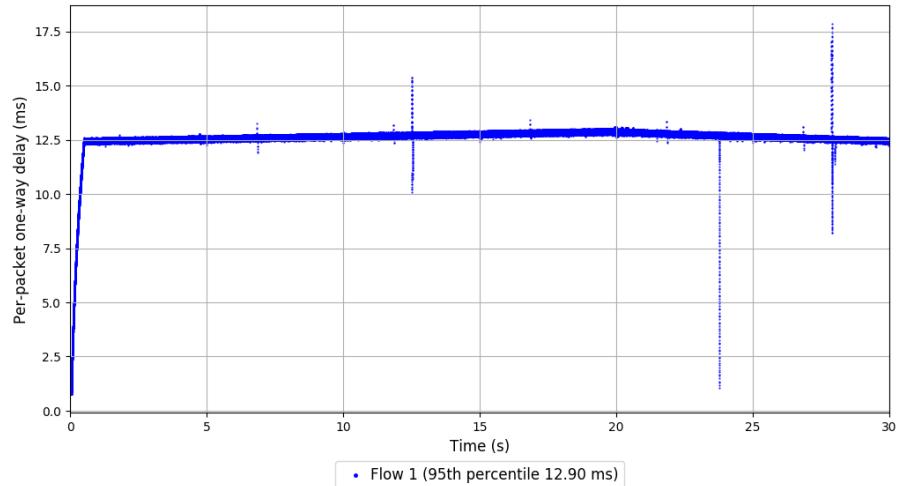
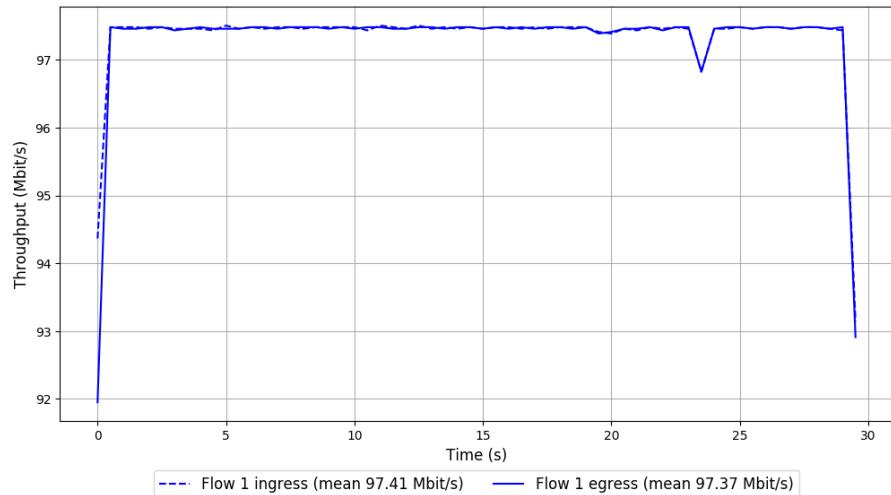


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-04-24 05:07:55
End at: 2018-04-24 05:08:25
Local clock offset: -9.242 ms
Remote clock offset: -6.776 ms

# Below is generated by plot.py at 2018-04-24 11:32:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.901 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.901 ms
Loss rate: 0.05%
```

Run 1: Report of LEDBAT — Data Link

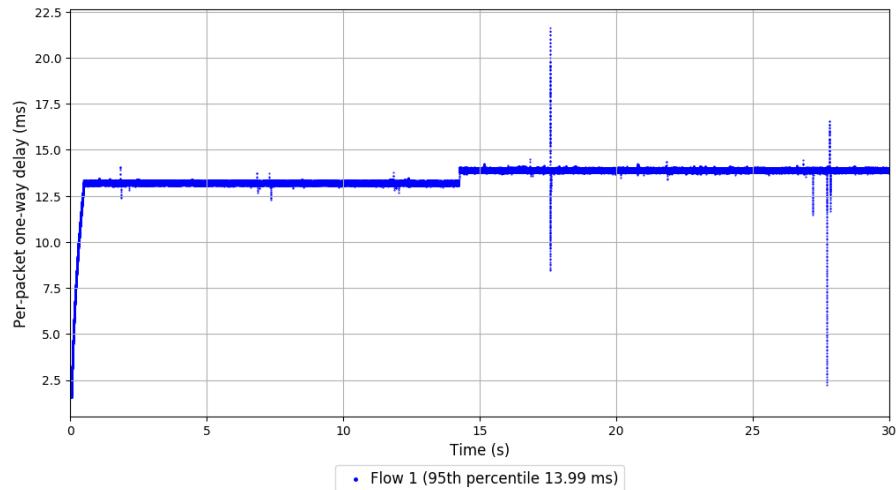
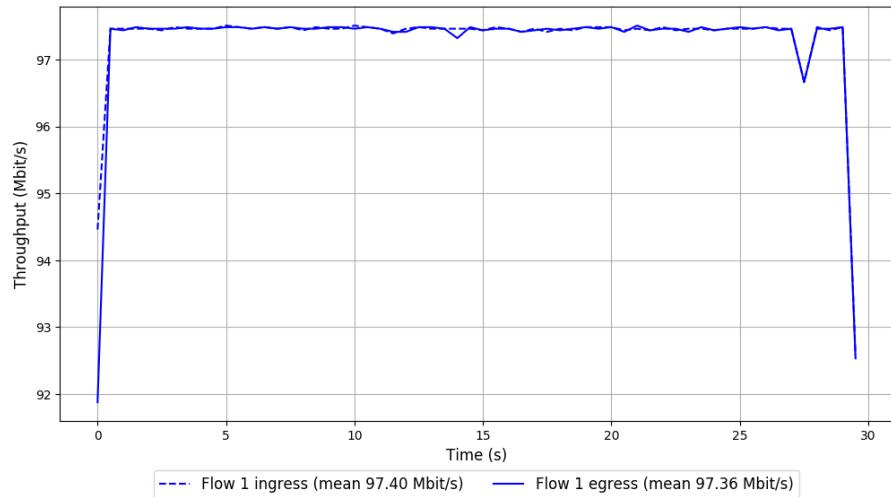


Run 2: Statistics of LEDBAT

```
Start at: 2018-04-24 05:26:56
End at: 2018-04-24 05:27:26
Local clock offset: -9.404 ms
Remote clock offset: -6.628 ms

# Below is generated by plot.py at 2018-04-24 11:32:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 13.994 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 13.994 ms
Loss rate: 0.05%
```

Run 2: Report of LEDBAT — Data Link

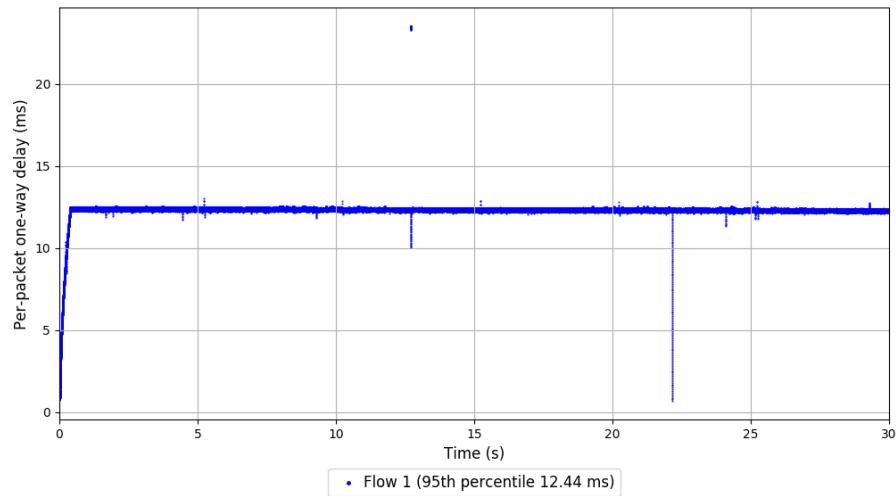
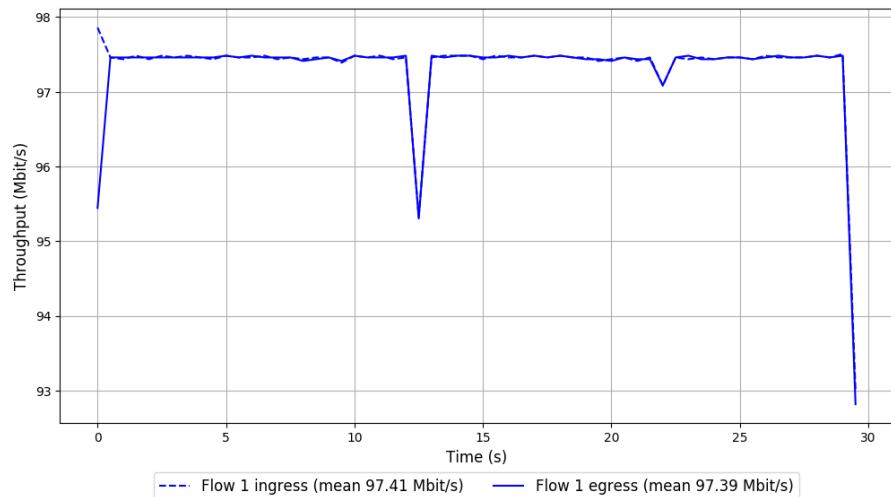


Run 3: Statistics of LEDBAT

```
Start at: 2018-04-24 05:46:00
End at: 2018-04-24 05:46:30
Local clock offset: -10.975 ms
Remote clock offset: -6.56 ms

# Below is generated by plot.py at 2018-04-24 11:32:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.439 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.439 ms
Loss rate: 0.04%
```

Run 3: Report of LEDBAT — Data Link

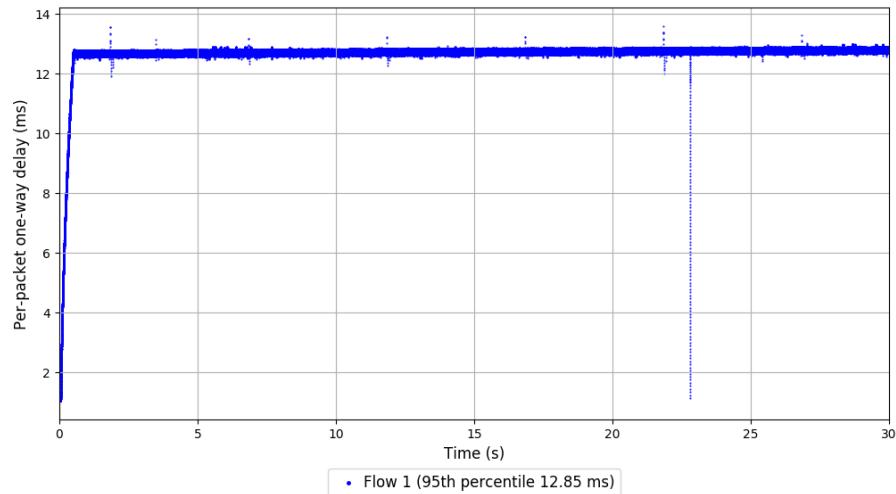
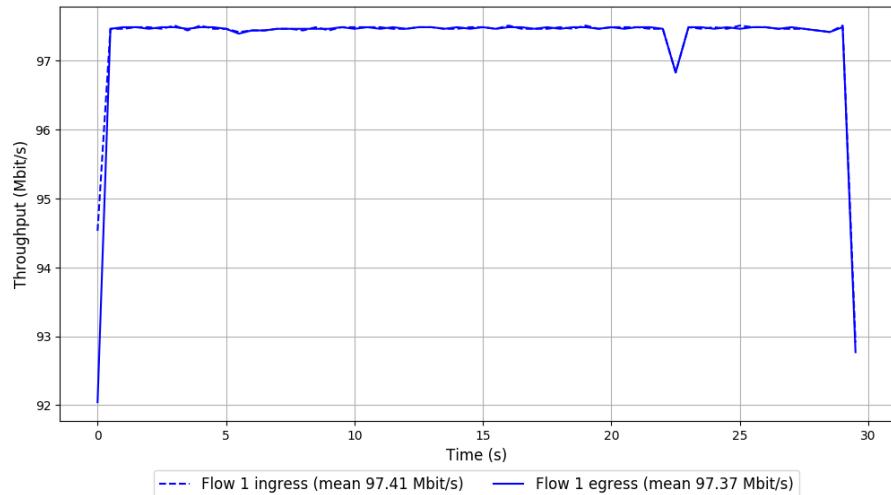


Run 4: Statistics of LEDBAT

```
Start at: 2018-04-24 06:05:03
End at: 2018-04-24 06:05:33
Local clock offset: -12.691 ms
Remote clock offset: -6.456 ms

# Below is generated by plot.py at 2018-04-24 11:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.850 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.850 ms
Loss rate: 0.05%
```

Run 4: Report of LEDBAT — Data Link

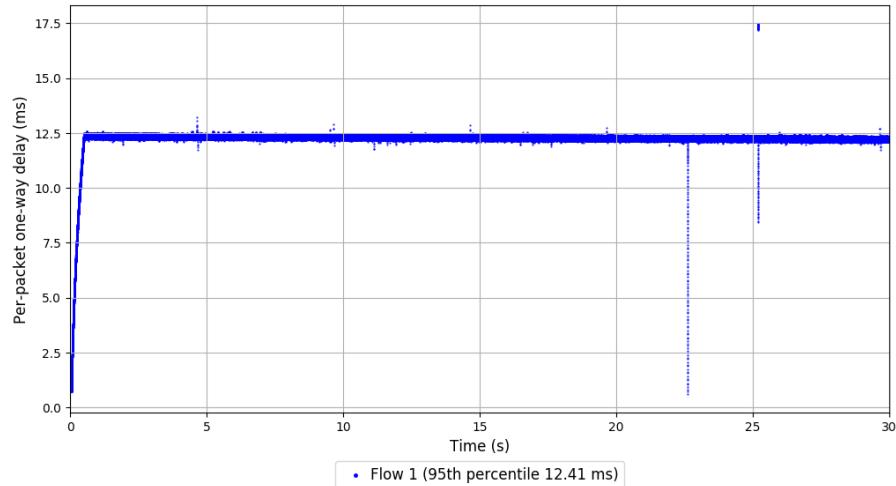
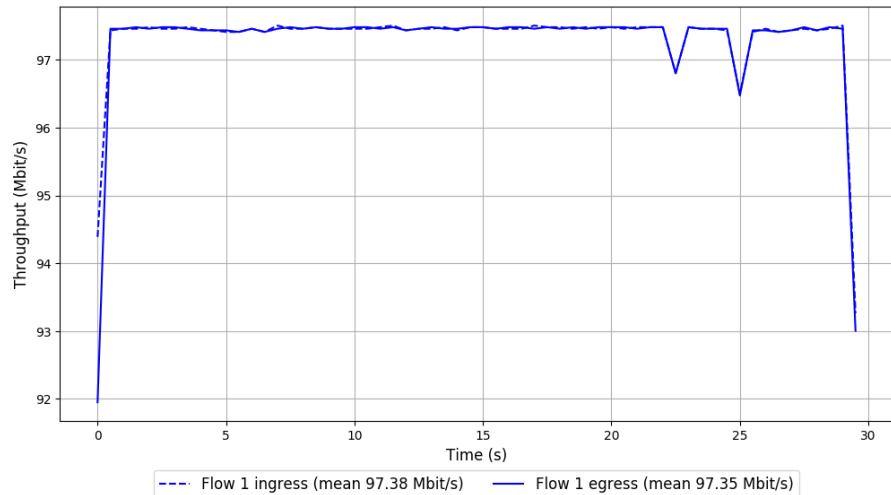


Run 5: Statistics of LEDBAT

```
Start at: 2018-04-24 06:24:06
End at: 2018-04-24 06:24:36
Local clock offset: -11.227 ms
Remote clock offset: -6.886 ms

# Below is generated by plot.py at 2018-04-24 11:34:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 12.415 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 12.415 ms
Loss rate: 0.05%
```

Run 5: Report of LEDBAT — Data Link

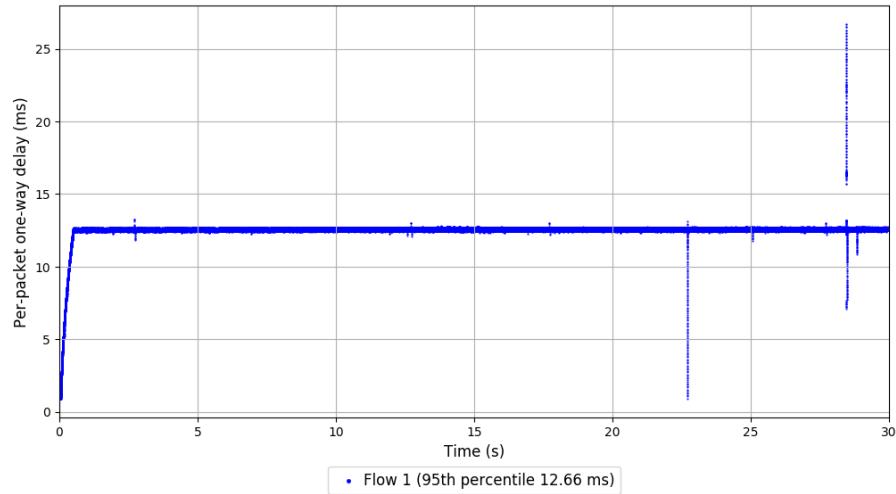
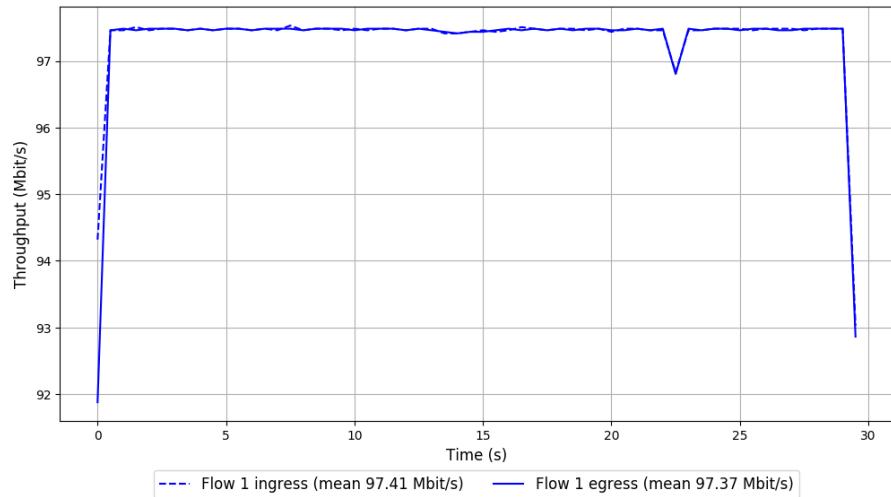


Run 6: Statistics of LEDBAT

```
Start at: 2018-04-24 06:43:09
End at: 2018-04-24 06:43:39
Local clock offset: -10.311 ms
Remote clock offset: -6.934 ms

# Below is generated by plot.py at 2018-04-24 11:34:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.662 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.662 ms
Loss rate: 0.04%
```

Run 6: Report of LEDBAT — Data Link

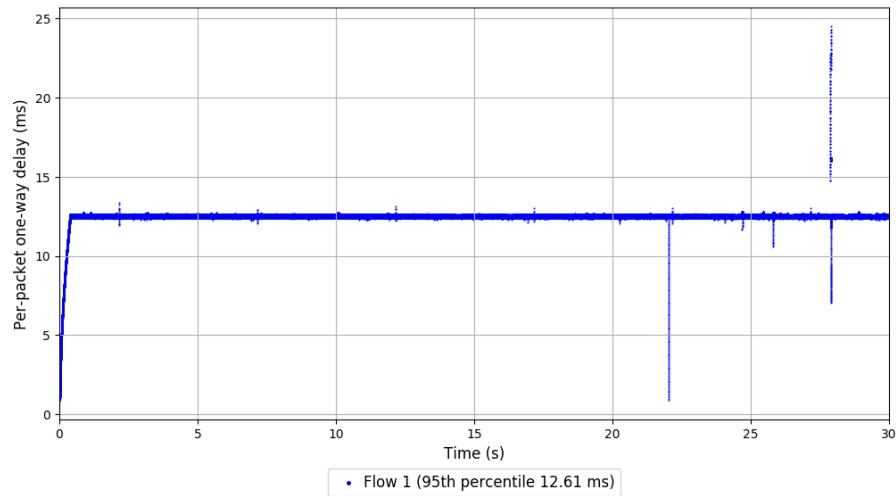
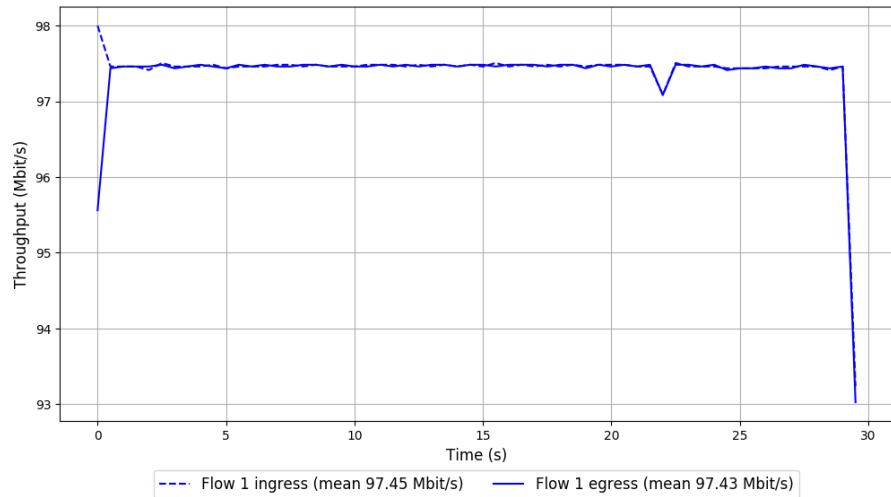


Run 7: Statistics of LEDBAT

```
Start at: 2018-04-24 07:02:12
End at: 2018-04-24 07:02:42
Local clock offset: -8.333 ms
Remote clock offset: -6.976 ms

# Below is generated by plot.py at 2018-04-24 11:34:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.606 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.606 ms
Loss rate: 0.04%
```

Run 7: Report of LEDBAT — Data Link

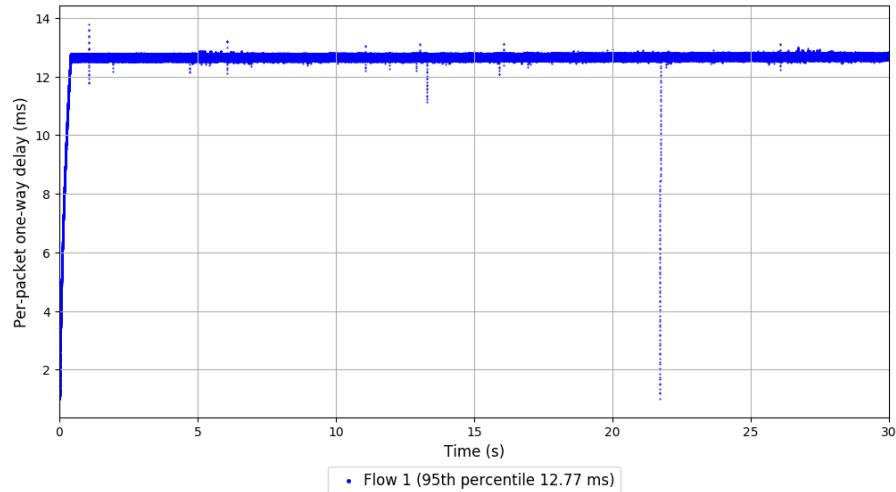
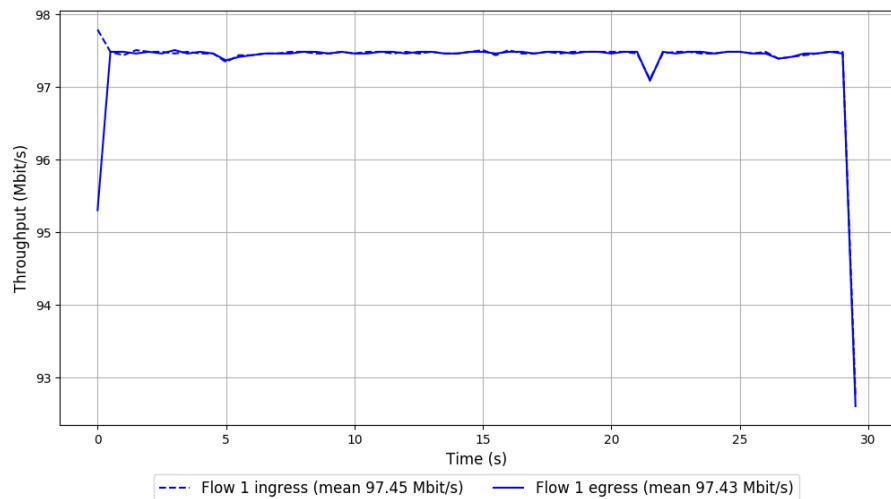


Run 8: Statistics of LEDBAT

```
Start at: 2018-04-24 07:21:15
End at: 2018-04-24 07:21:45
Local clock offset: -8.519 ms
Remote clock offset: -6.63 ms

# Below is generated by plot.py at 2018-04-24 11:34:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.773 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.773 ms
Loss rate: 0.04%
```

Run 8: Report of LEDBAT — Data Link

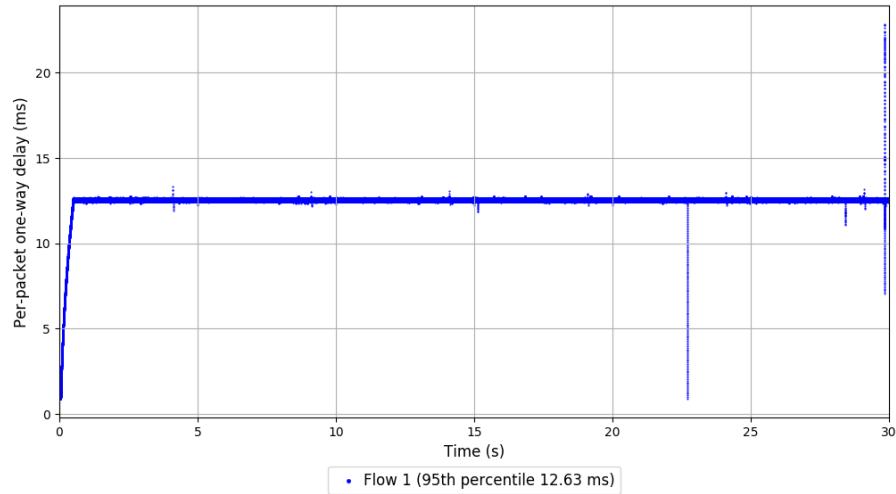
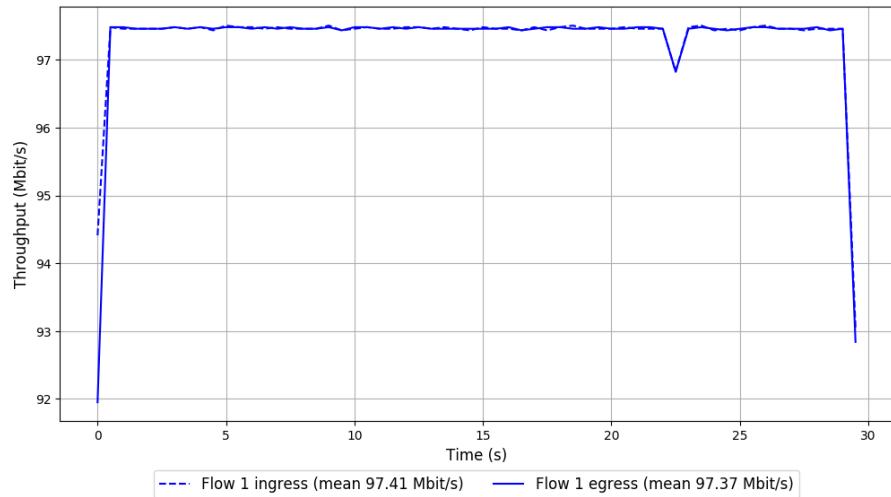


Run 9: Statistics of LEDBAT

```
Start at: 2018-04-24 07:40:18
End at: 2018-04-24 07:40:48
Local clock offset: -7.036 ms
Remote clock offset: -6.236 ms

# Below is generated by plot.py at 2018-04-24 11:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.635 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.635 ms
Loss rate: 0.05%
```

Run 9: Report of LEDBAT — Data Link

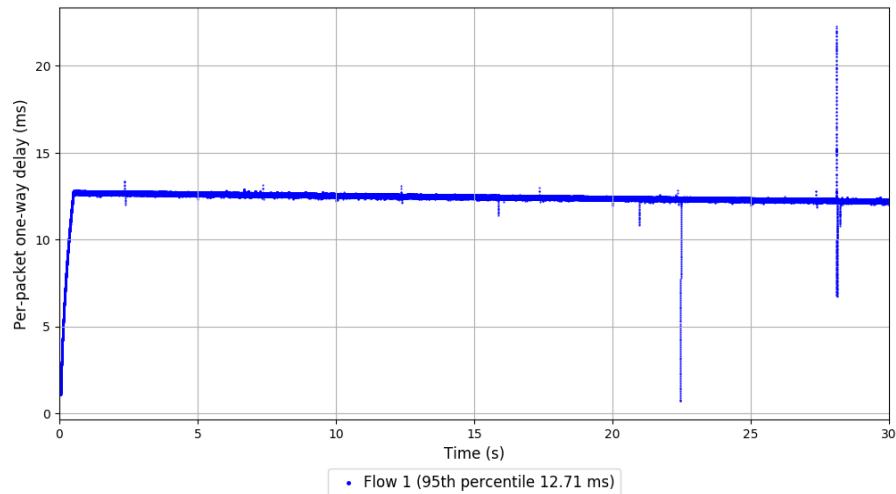
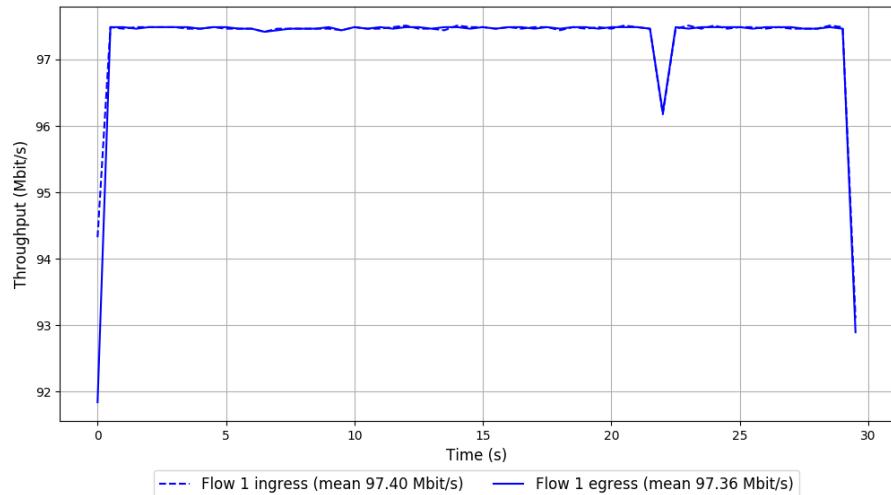


Run 10: Statistics of LEDBAT

```
Start at: 2018-04-24 07:59:22
End at: 2018-04-24 07:59:52
Local clock offset: -5.586 ms
Remote clock offset: -6.612 ms

# Below is generated by plot.py at 2018-04-24 11:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 12.714 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 12.714 ms
Loss rate: 0.04%
```

Run 10: Report of LEDBAT — Data Link

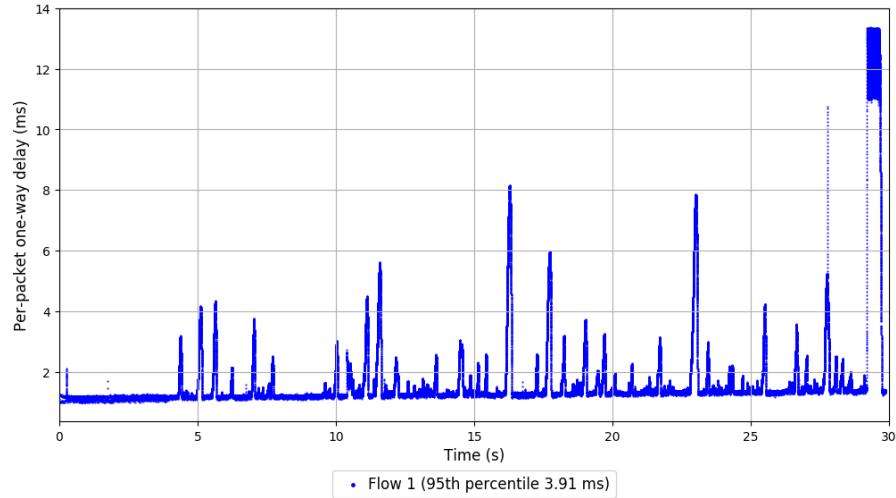
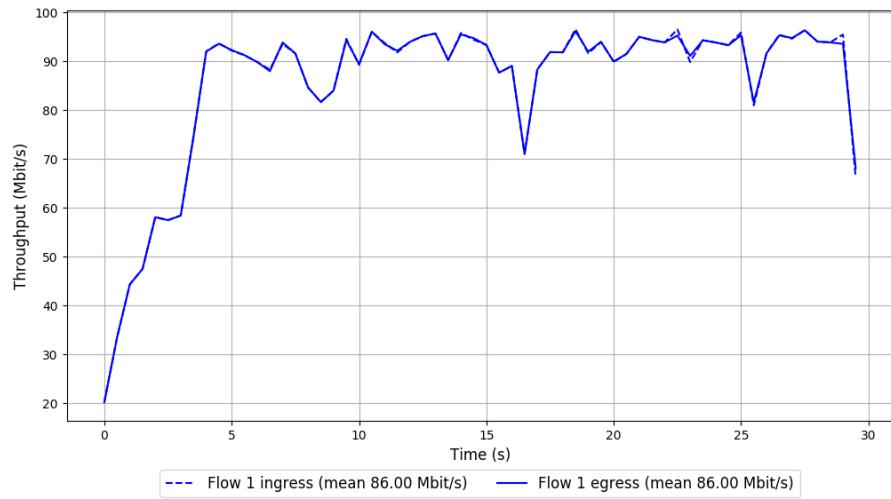


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-04-24 05:19:08
End at: 2018-04-24 05:19:38
Local clock offset: -9.859 ms
Remote clock offset: -6.76 ms

# Below is generated by plot.py at 2018-04-24 11:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 3.907 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 3.907 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link

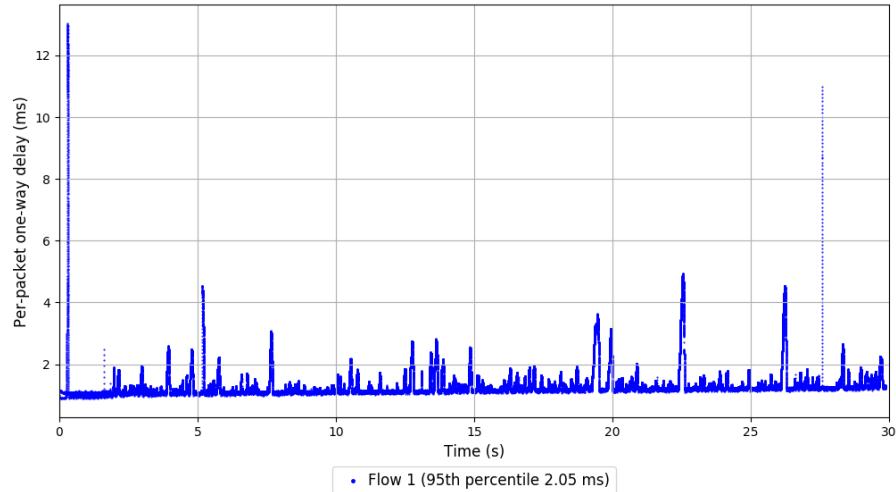
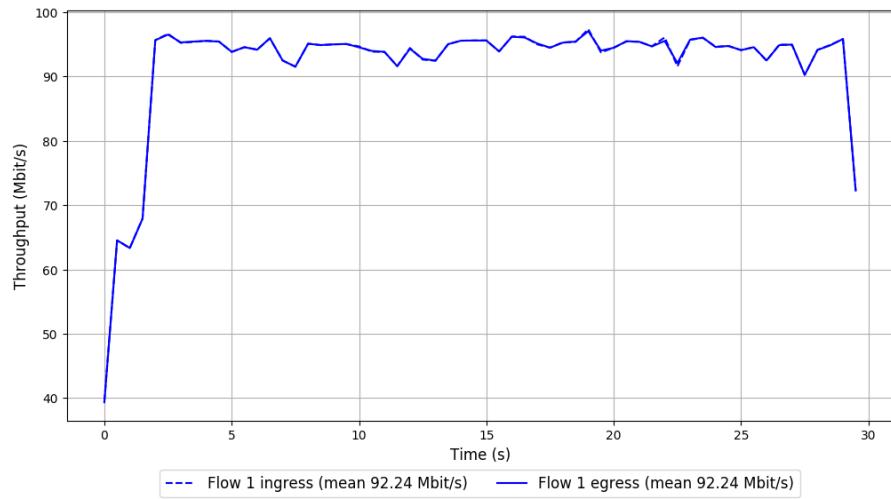


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-04-24 05:38:12
End at: 2018-04-24 05:38:42
Local clock offset: -13.182 ms
Remote clock offset: -6.587 ms

# Below is generated by plot.py at 2018-04-24 11:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Allegro — Data Link

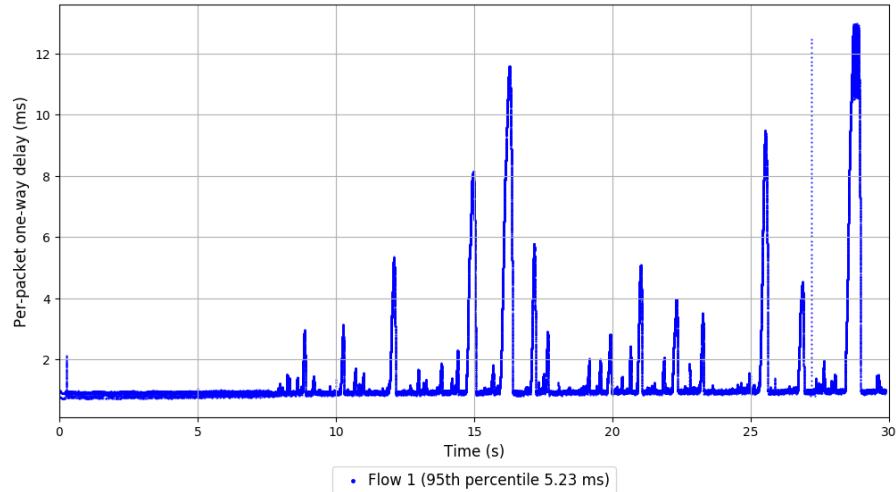
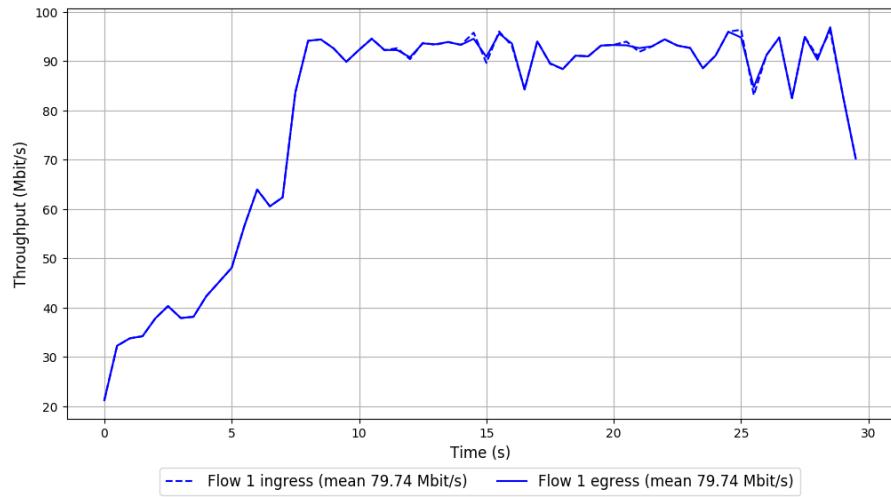


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-04-24 05:57:15
End at: 2018-04-24 05:57:45
Local clock offset: -10.987 ms
Remote clock offset: -6.476 ms

# Below is generated by plot.py at 2018-04-24 11:35:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.74 Mbit/s
95th percentile per-packet one-way delay: 5.230 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.74 Mbit/s
95th percentile per-packet one-way delay: 5.230 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Allegro — Data Link

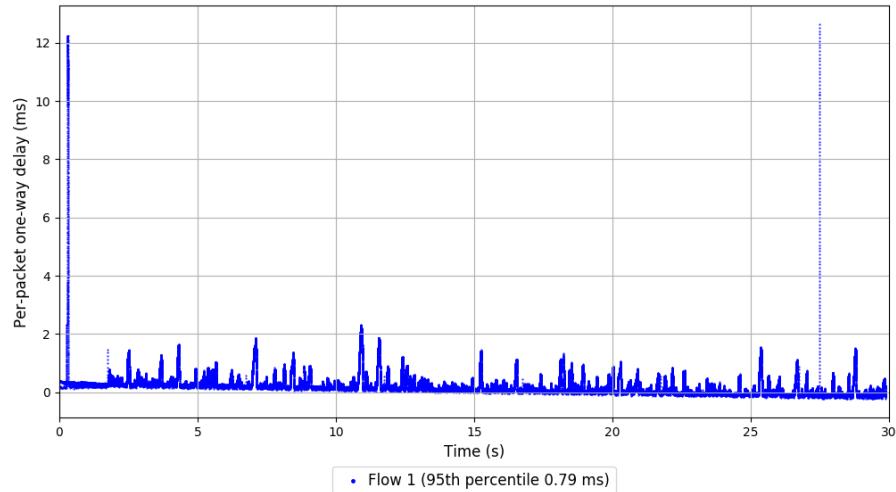
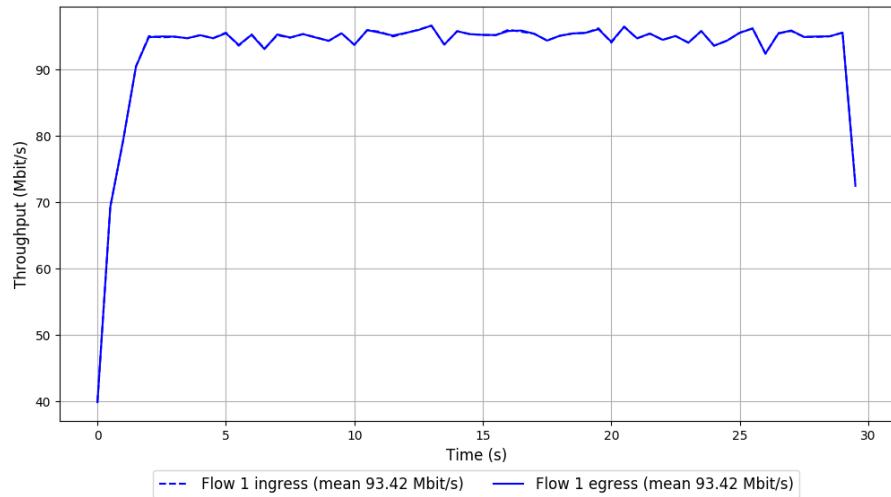


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-04-24 06:16:17
End at: 2018-04-24 06:16:47
Local clock offset: -15.881 ms
Remote clock offset: -6.793 ms

# Below is generated by plot.py at 2018-04-24 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 0.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 0.790 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Allegro — Data Link

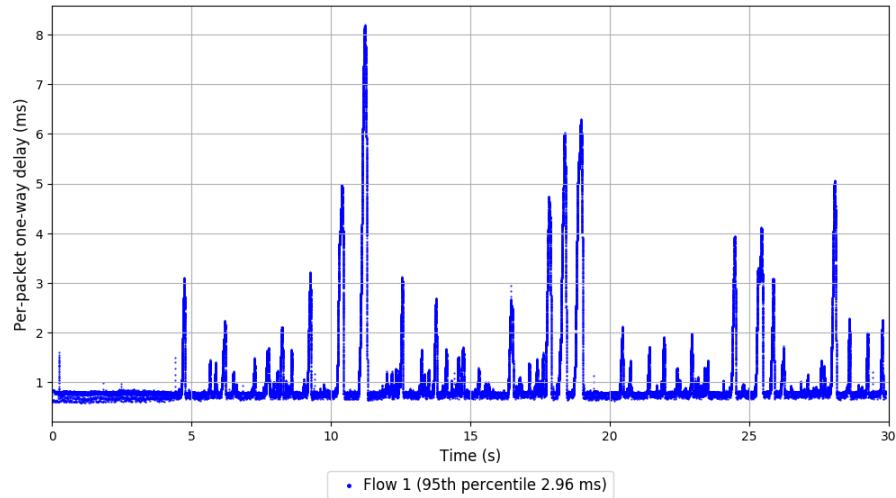
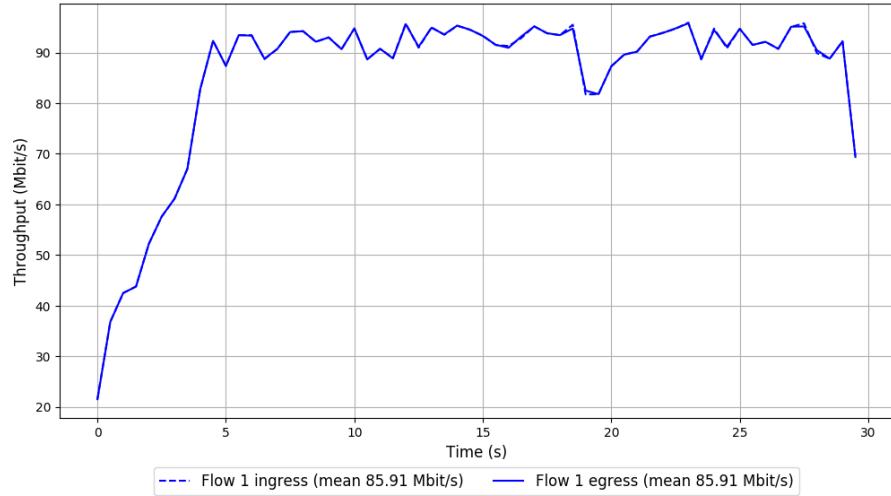


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-04-24 06:35:22
End at: 2018-04-24 06:35:52
Local clock offset: -9.99 ms
Remote clock offset: -6.909 ms

# Below is generated by plot.py at 2018-04-24 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.91 Mbit/s
95th percentile per-packet one-way delay: 2.957 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.91 Mbit/s
95th percentile per-packet one-way delay: 2.957 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Allegro — Data Link

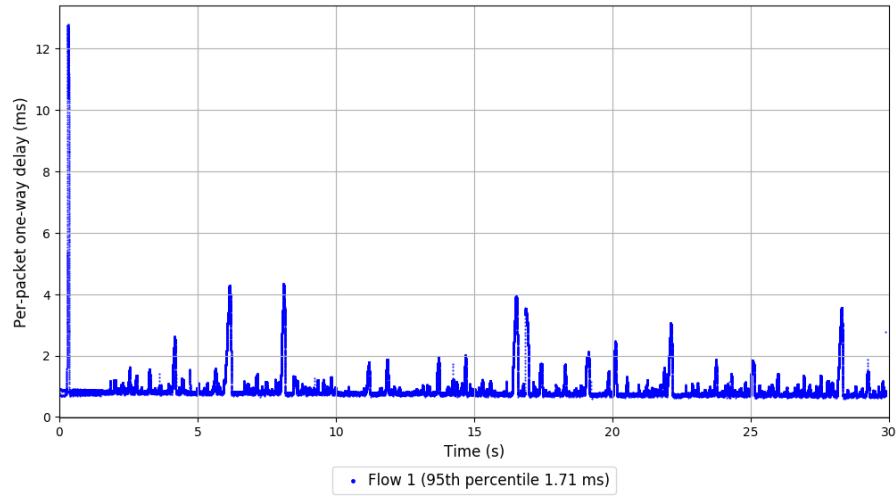
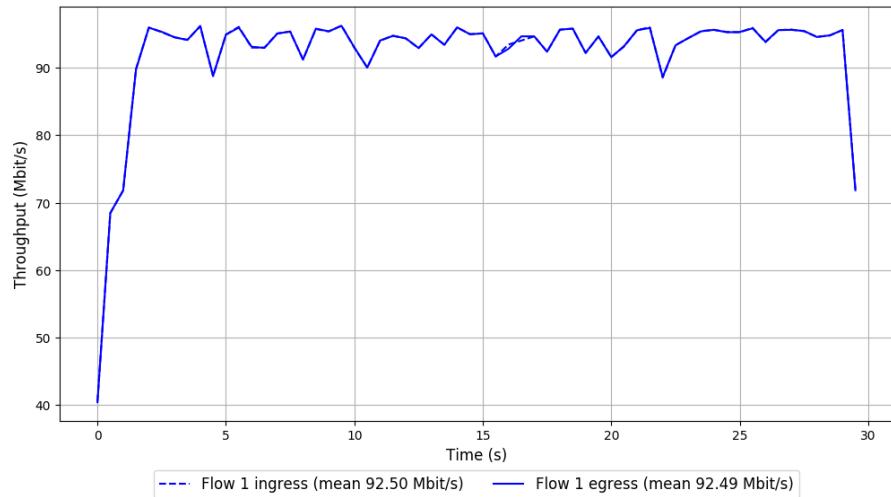


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-04-24 06:54:24
End at: 2018-04-24 06:54:54
Local clock offset: -9.5 ms
Remote clock offset: -7.013 ms

# Below is generated by plot.py at 2018-04-24 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.01%
```

Run 6: Report of PCC-Allegro — Data Link

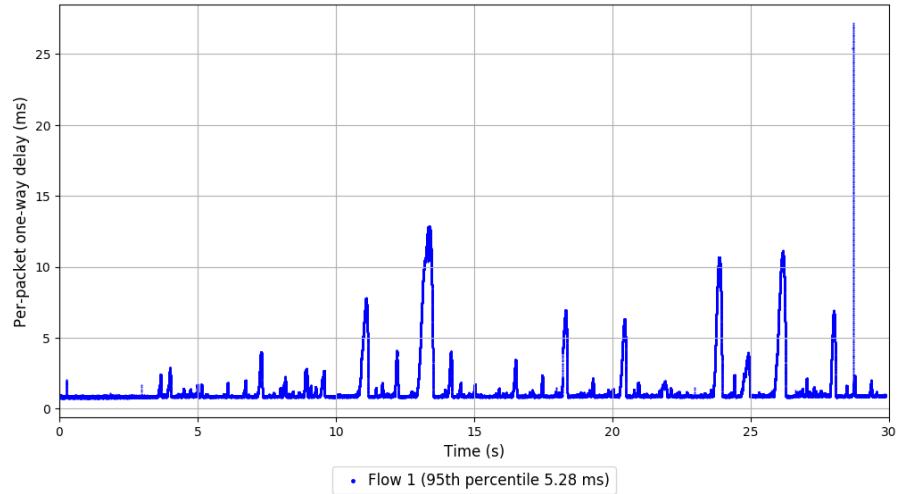
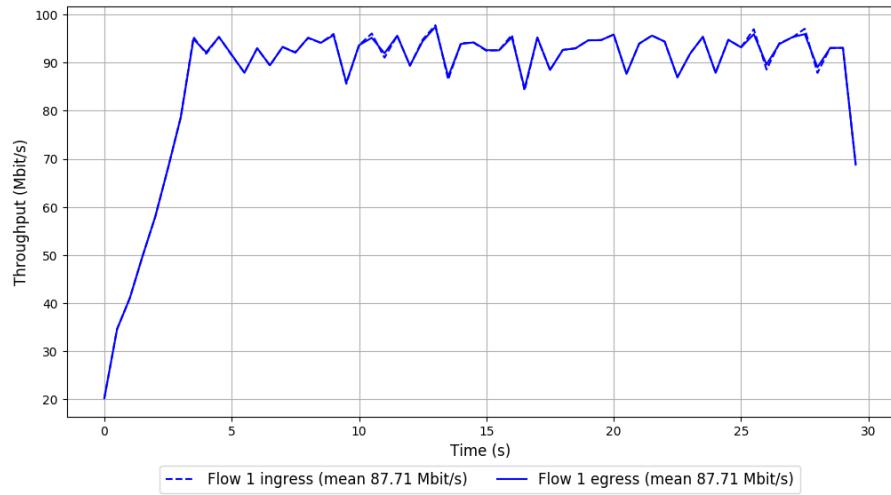


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-04-24 07:13:27
End at: 2018-04-24 07:13:57
Local clock offset: -8.244 ms
Remote clock offset: -6.953 ms

# Below is generated by plot.py at 2018-04-24 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 5.277 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 5.277 ms
Loss rate: 0.01%
```

Run 7: Report of PCC-Allegro — Data Link

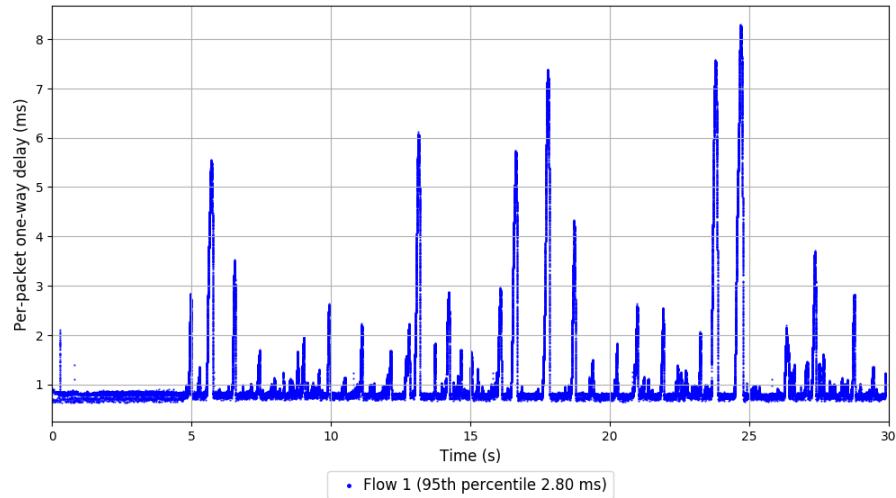
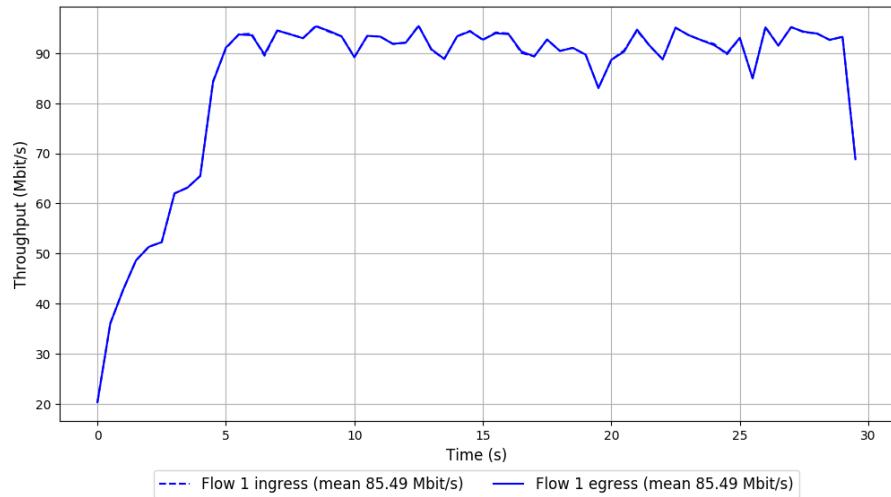


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-04-24 07:32:31
End at: 2018-04-24 07:33:01
Local clock offset: -7.419 ms
Remote clock offset: -6.298 ms

# Below is generated by plot.py at 2018-04-24 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 2.797 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 2.797 ms
Loss rate: 0.01%
```

Run 8: Report of PCC-Allegro — Data Link

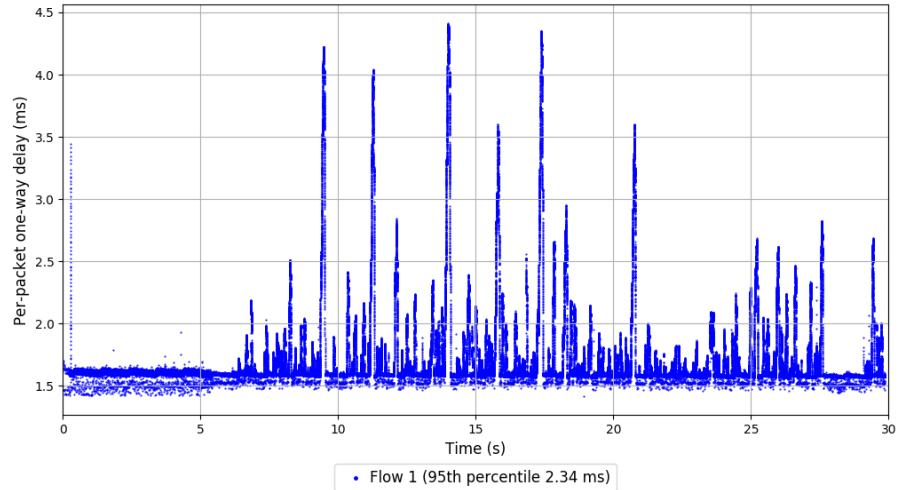
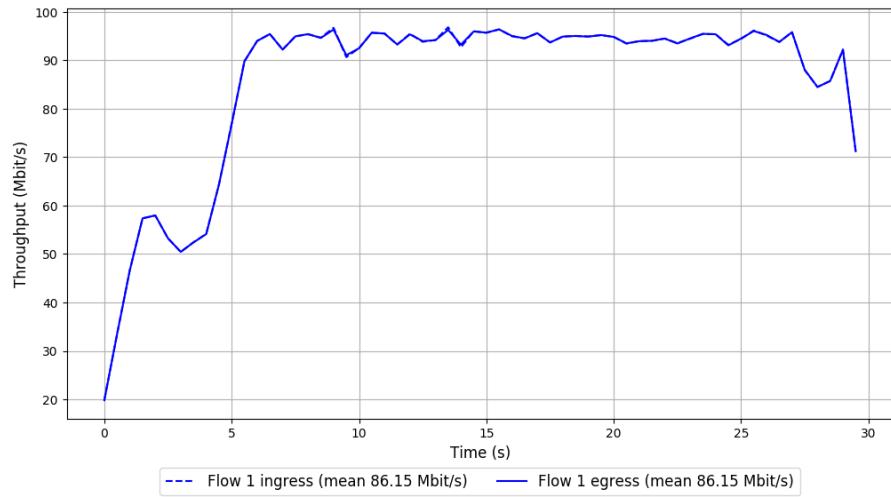


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-04-24 07:51:34
End at: 2018-04-24 07:52:04
Local clock offset: -6.315 ms
Remote clock offset: -6.294 ms

# Below is generated by plot.py at 2018-04-24 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 2.339 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 2.339 ms
Loss rate: 0.01%
```

Run 9: Report of PCC-Allegro — Data Link

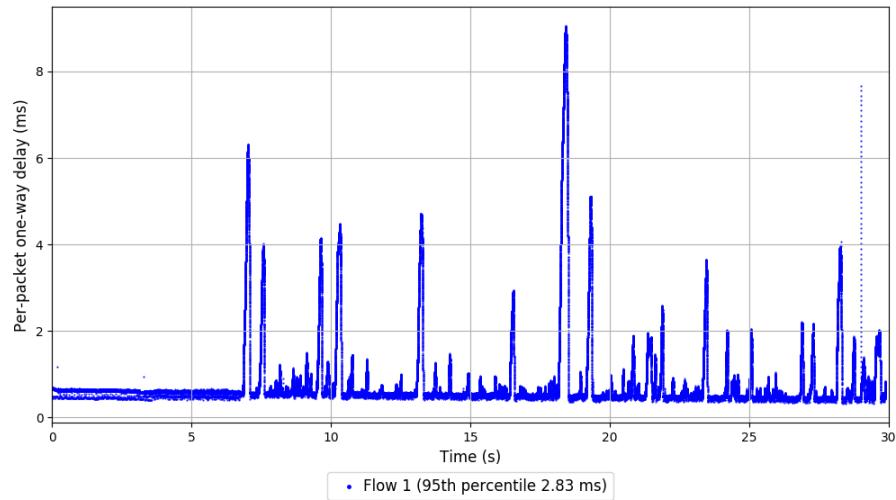
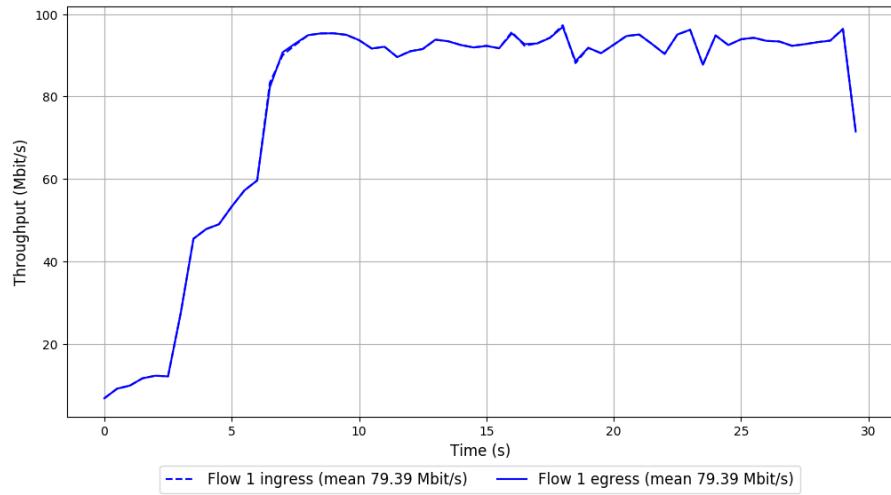


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-04-24 08:10:37
End at: 2018-04-24 08:11:07
Local clock offset: 0.81 ms
Remote clock offset: -6.719 ms

# Below is generated by plot.py at 2018-04-24 11:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: 2.831 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: 2.831 ms
Loss rate: 0.01%
```

Run 10: Report of PCC-Allegro — Data Link

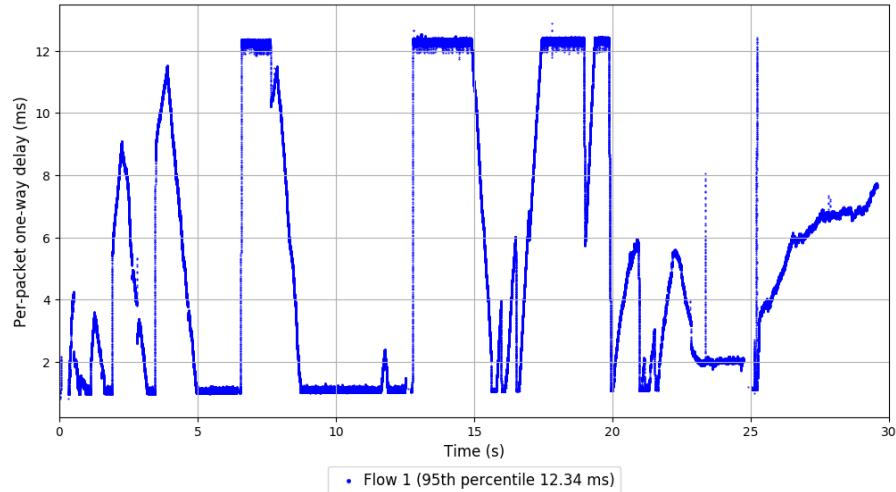
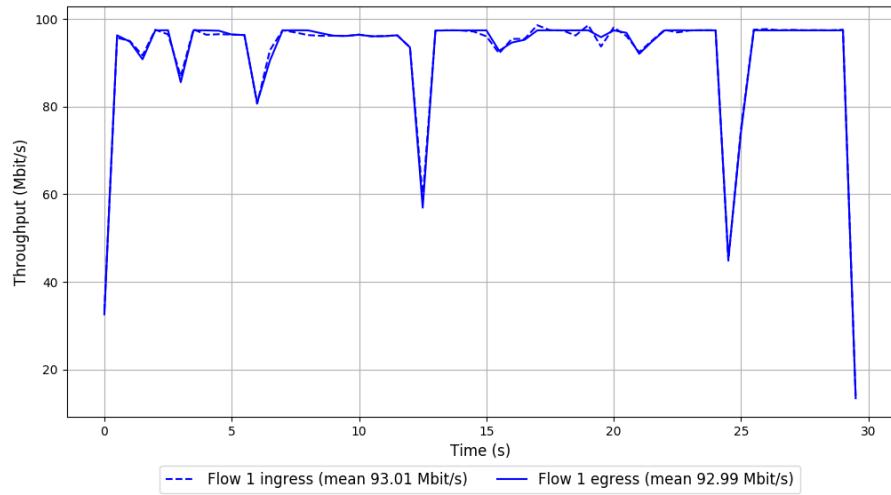


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-04-24 05:18:00
End at: 2018-04-24 05:18:30
Local clock offset: -9.553 ms
Remote clock offset: -6.72 ms

# Below is generated by plot.py at 2018-04-24 11:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 12.340 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 12.340 ms
Loss rate: 0.03%
```

Run 1: Report of QUIC Cubic — Data Link

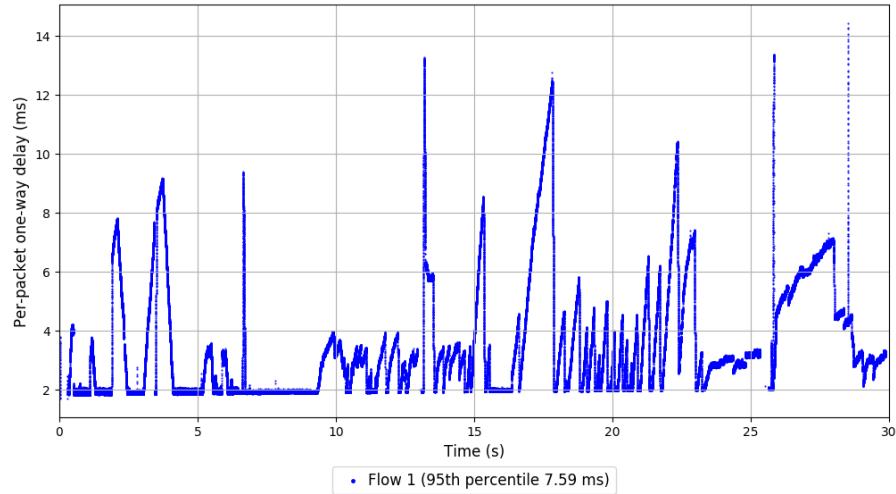
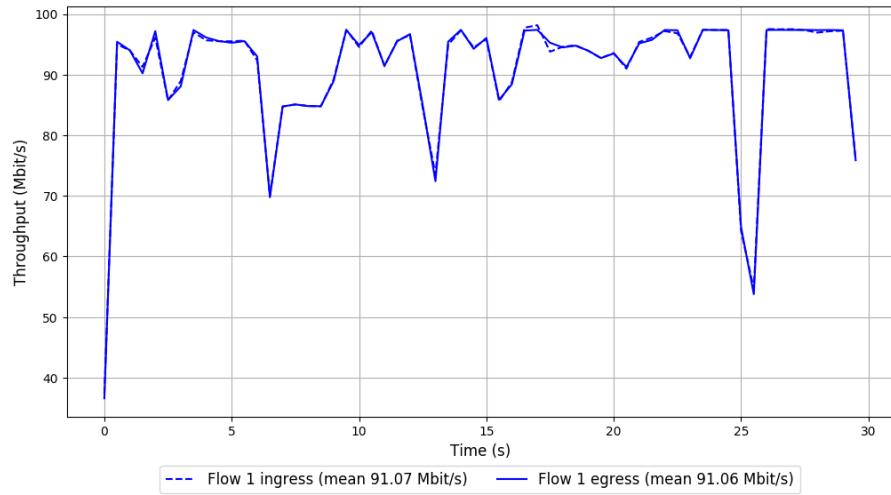


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-04-24 05:37:05
End at: 2018-04-24 05:37:35
Local clock offset: -11.931 ms
Remote clock offset: -6.606 ms

# Below is generated by plot.py at 2018-04-24 11:36:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 7.587 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 7.587 ms
Loss rate: 0.01%
```

Run 2: Report of QUIC Cubic — Data Link

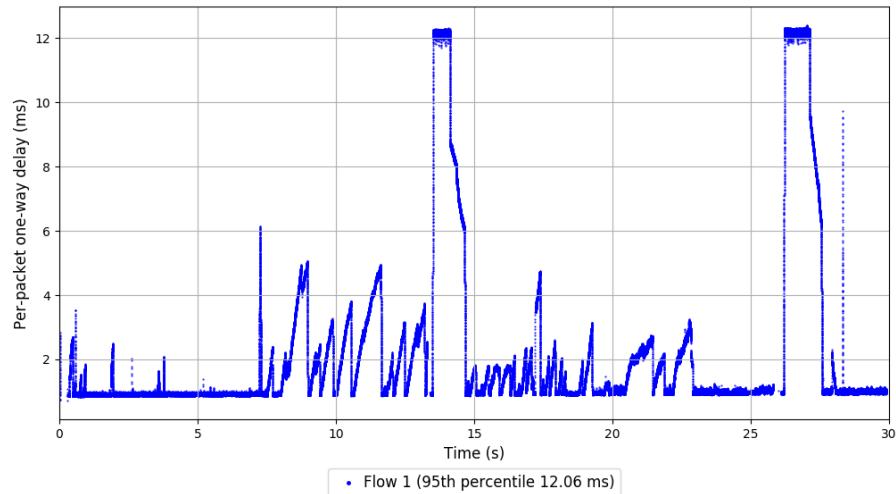
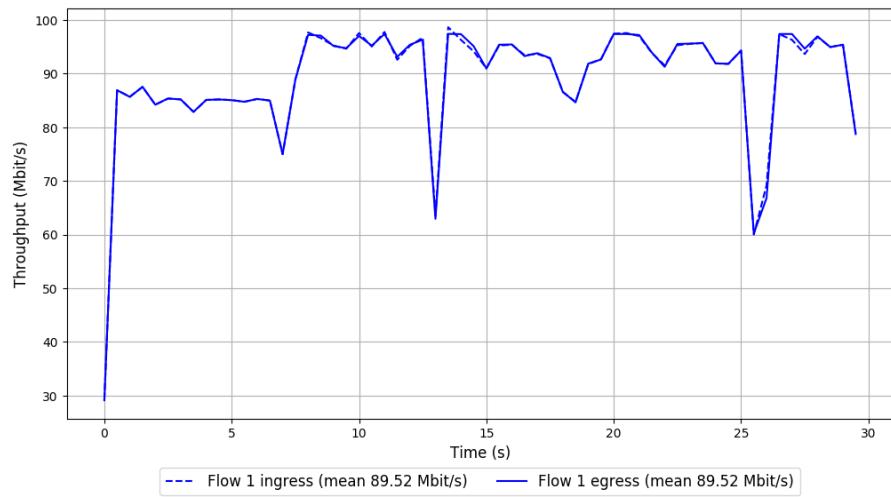


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-04-24 05:56:07
End at: 2018-04-24 05:56:37
Local clock offset: -10.836 ms
Remote clock offset: -6.482 ms

# Below is generated by plot.py at 2018-04-24 11:36:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 12.057 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 12.057 ms
Loss rate: 0.01%
```

Run 3: Report of QUIC Cubic — Data Link

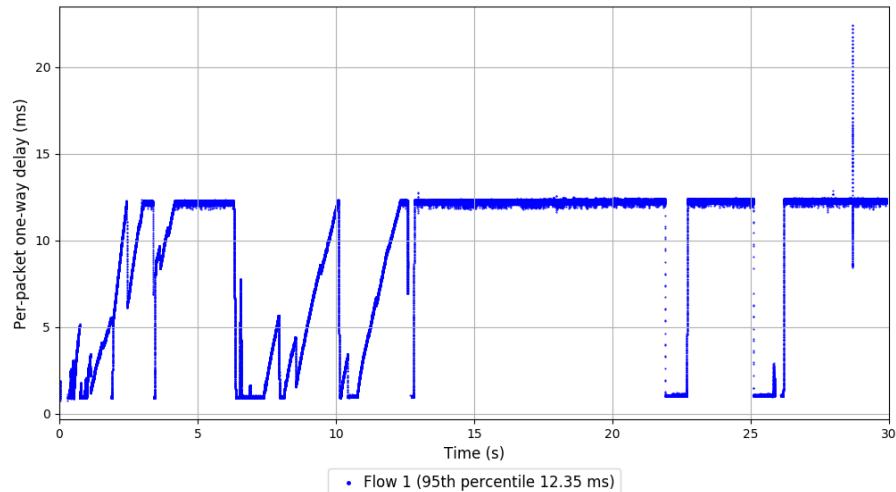
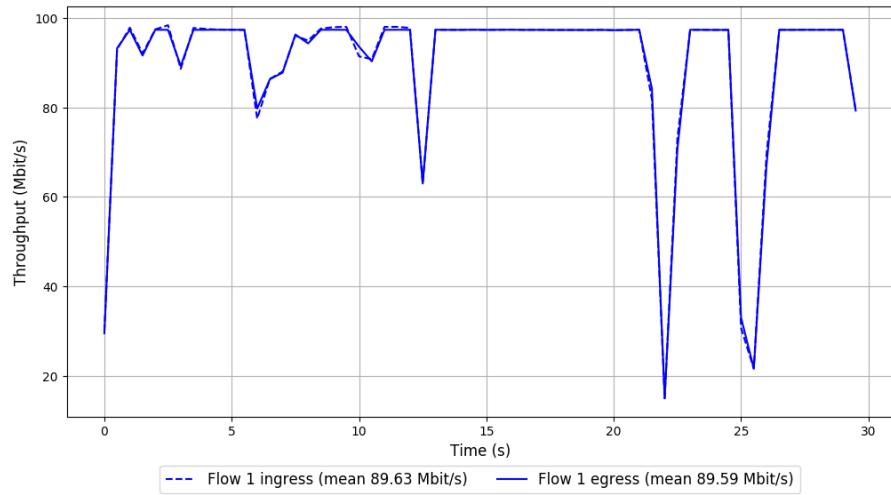


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-04-24 06:15:10
End at: 2018-04-24 06:15:40
Local clock offset: -15.743 ms
Remote clock offset: -6.772 ms

# Below is generated by plot.py at 2018-04-24 11:36:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 12.346 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 12.346 ms
Loss rate: 0.05%
```

Run 4: Report of QUIC Cubic — Data Link

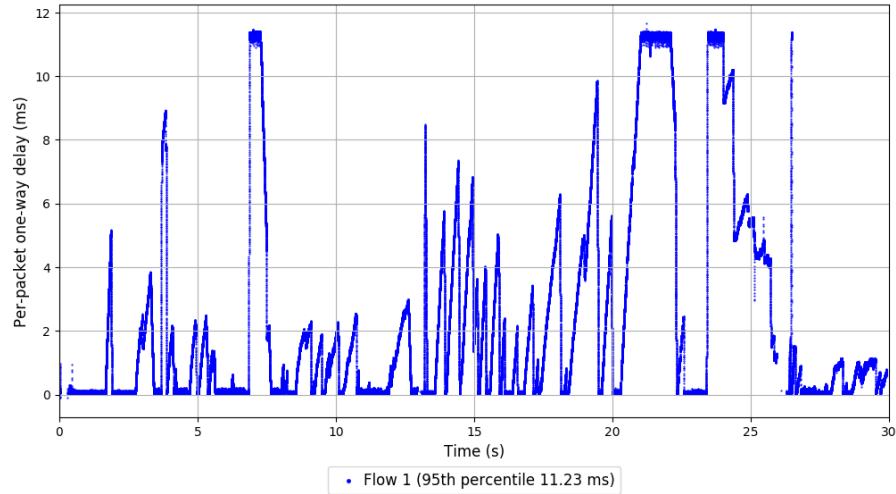
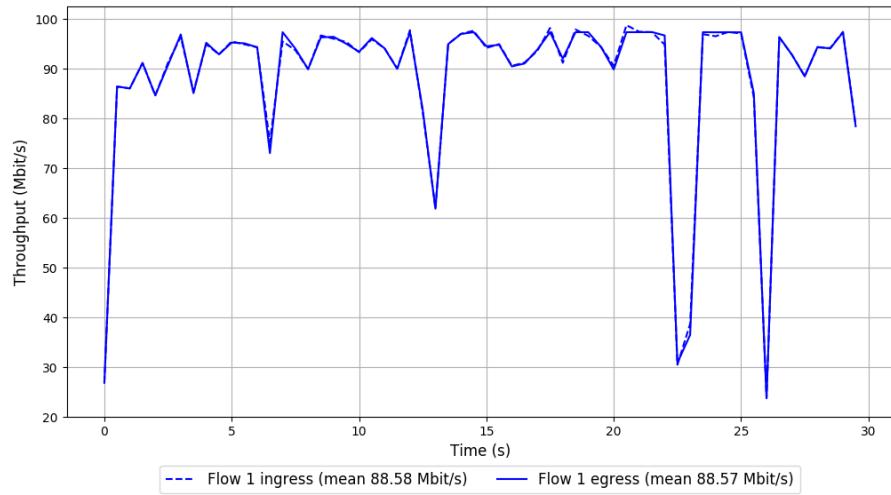


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-04-24 06:34:14
End at: 2018-04-24 06:34:44
Local clock offset: -10.709 ms
Remote clock offset: -6.91 ms

# Below is generated by plot.py at 2018-04-24 11:36:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 11.235 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 11.235 ms
Loss rate: 0.01%
```

Run 5: Report of QUIC Cubic — Data Link

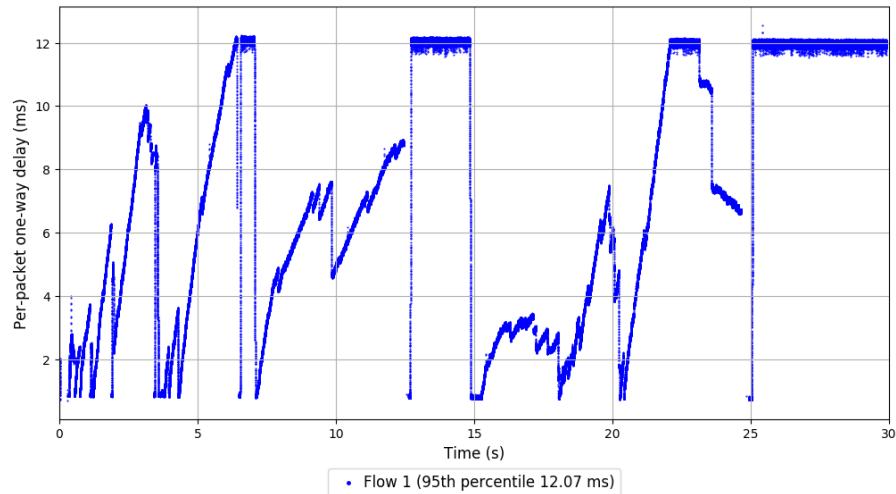
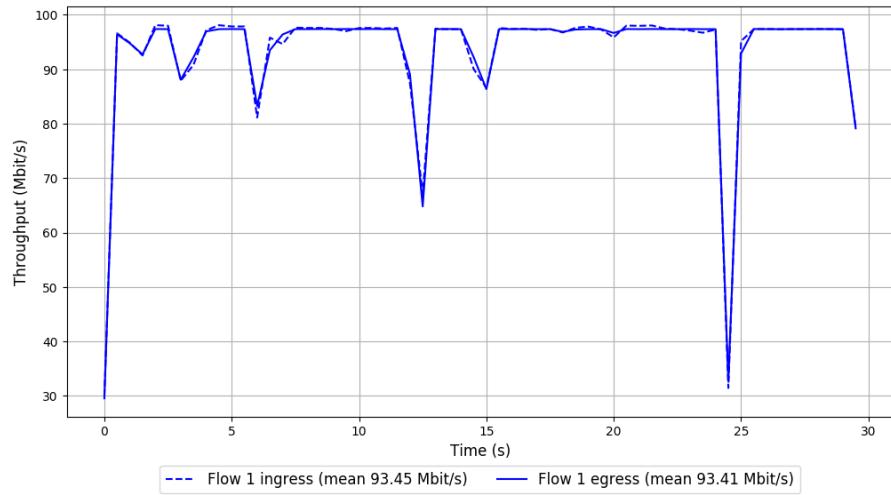


```
Run 6: Statistics of QUIC Cubic
```

```
Start at: 2018-04-24 06:53:16
End at: 2018-04-24 06:53:46
Local clock offset: -9.754 ms
Remote clock offset: -6.997 ms

# Below is generated by plot.py at 2018-04-24 11:37:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 12.067 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 12.067 ms
Loss rate: 0.04%
```

Run 6: Report of QUIC Cubic — Data Link

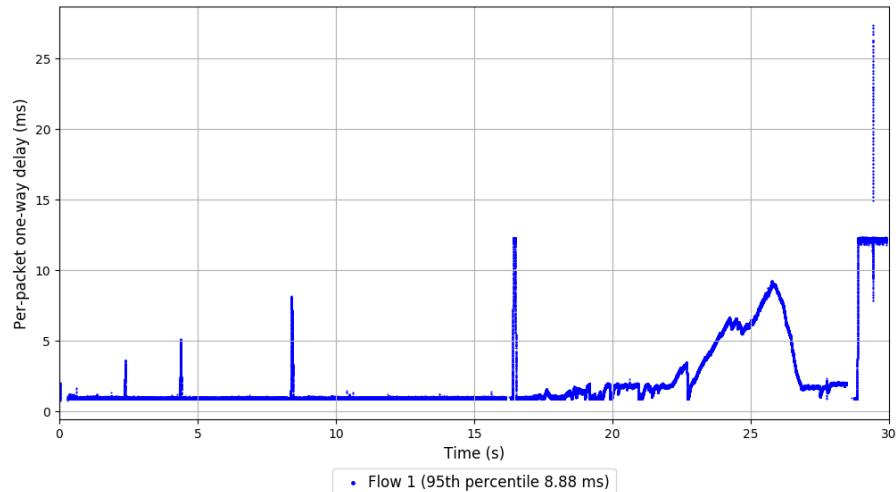
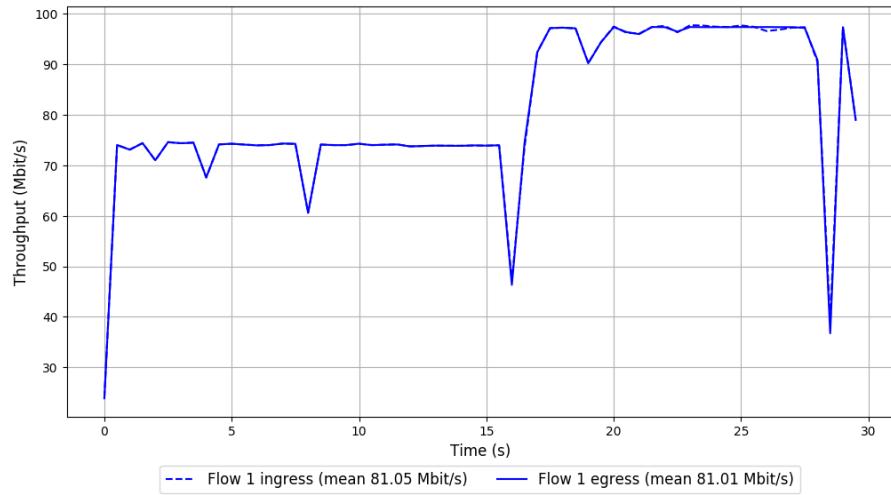


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-04-24 07:12:19
End at: 2018-04-24 07:12:49
Local clock offset: -8.187 ms
Remote clock offset: -6.956 ms

# Below is generated by plot.py at 2018-04-24 11:37:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.01 Mbit/s
95th percentile per-packet one-way delay: 8.885 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 81.01 Mbit/s
95th percentile per-packet one-way delay: 8.885 ms
Loss rate: 0.05%
```

Run 7: Report of QUIC Cubic — Data Link

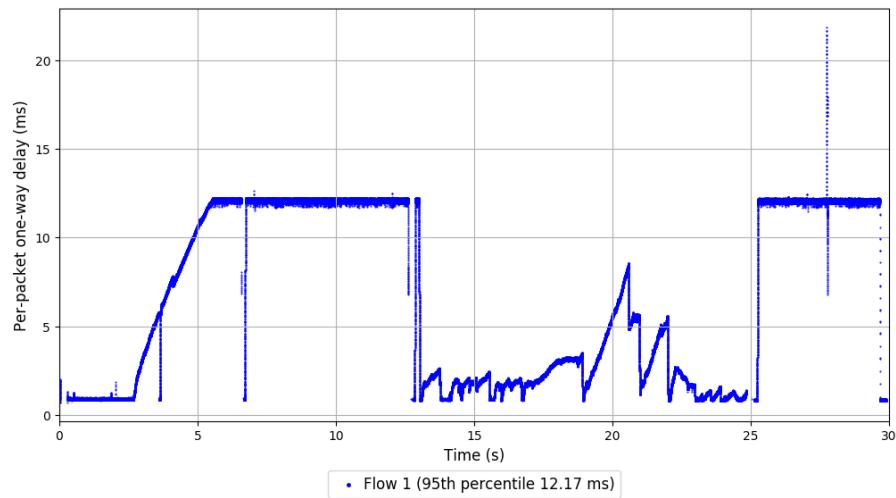
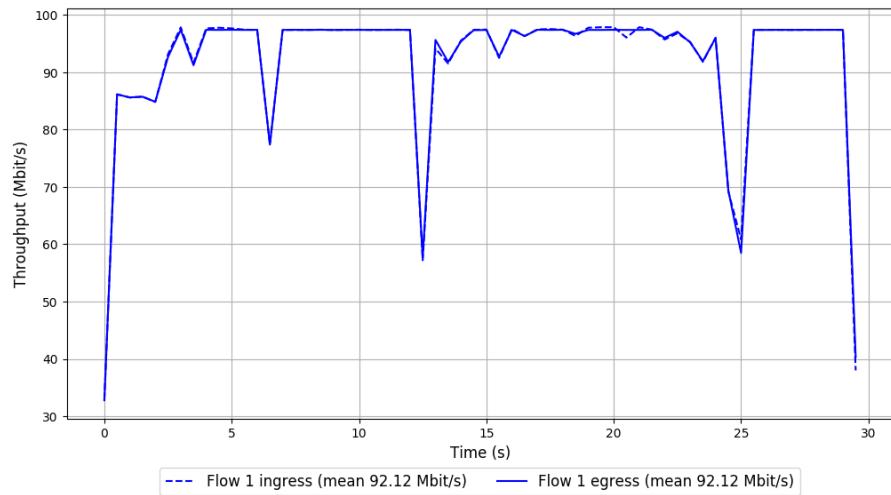


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-04-24 07:31:23
End at: 2018-04-24 07:31:53
Local clock offset: -7.515 ms
Remote clock offset: -6.369 ms

# Below is generated by plot.py at 2018-04-24 11:37:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 12.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 12.174 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

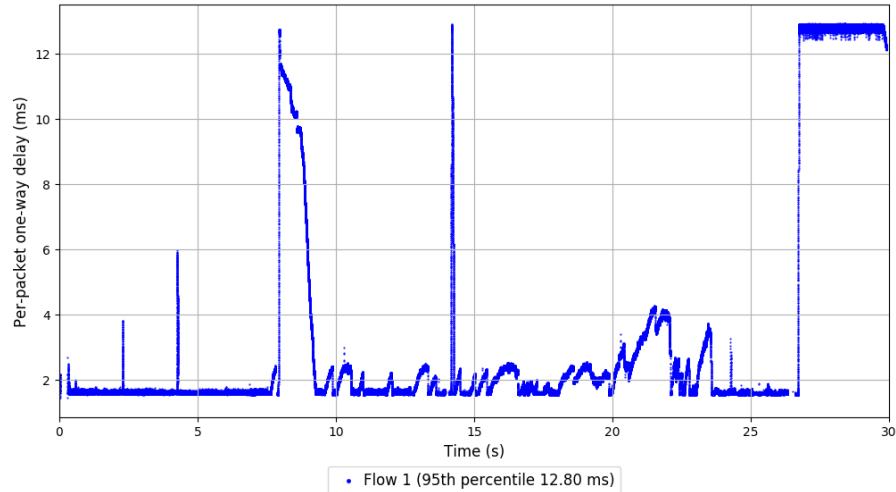
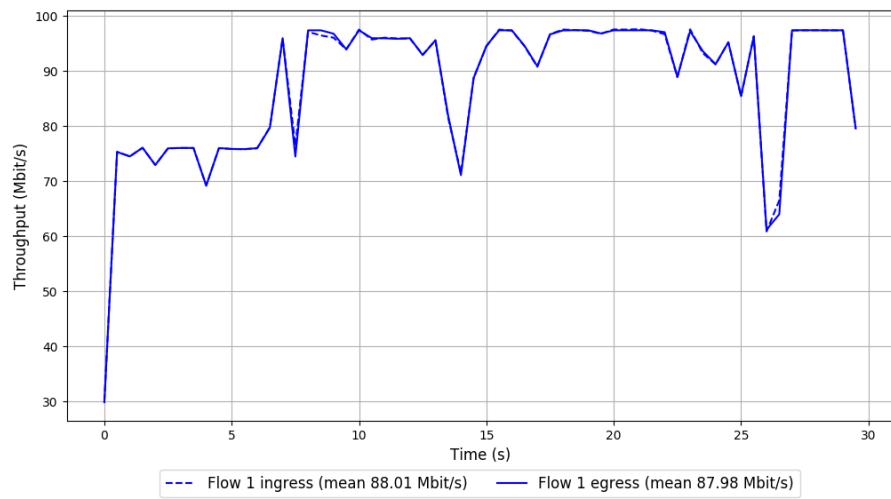


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-04-24 07:50:26
End at: 2018-04-24 07:50:56
Local clock offset: -6.285 ms
Remote clock offset: -6.23 ms

# Below is generated by plot.py at 2018-04-24 11:38:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 12.798 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 12.798 ms
Loss rate: 0.04%
```

Run 9: Report of QUIC Cubic — Data Link

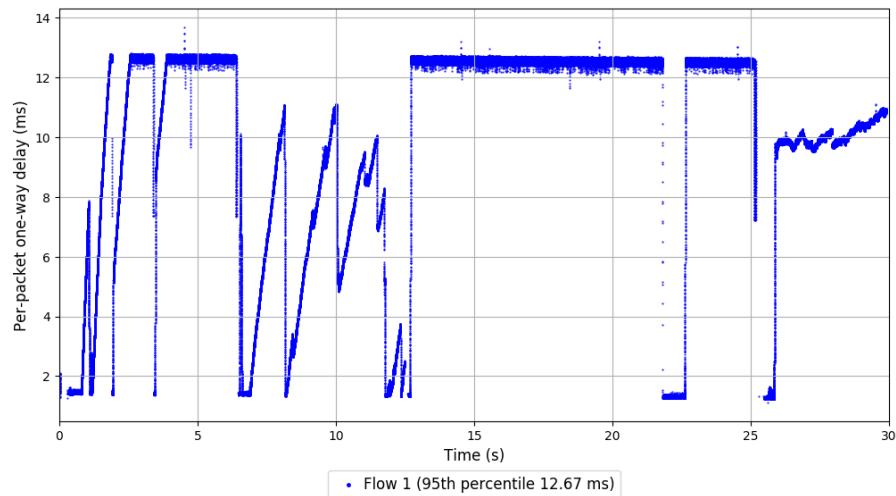
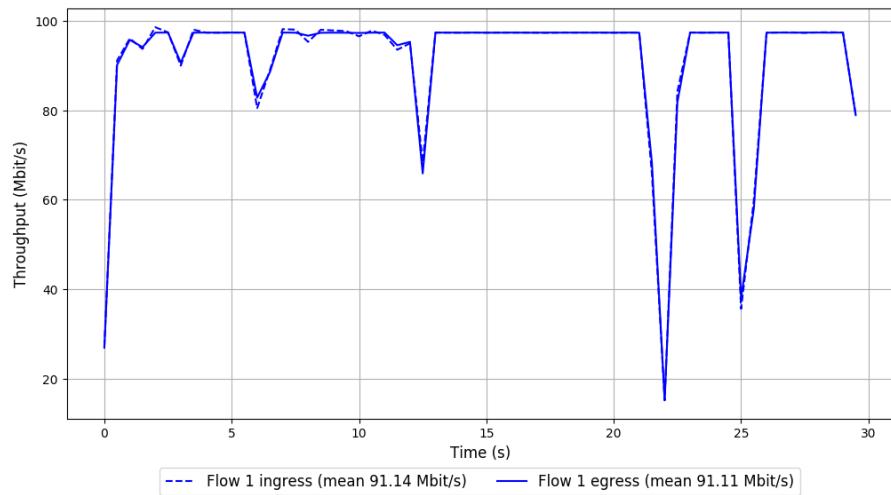


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-04-24 08:09:29
End at: 2018-04-24 08:09:59
Local clock offset: 1.184 ms
Remote clock offset: -6.762 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 12.671 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 12.671 ms
Loss rate: 0.04%
```

Run 10: Report of QUIC Cubic — Data Link

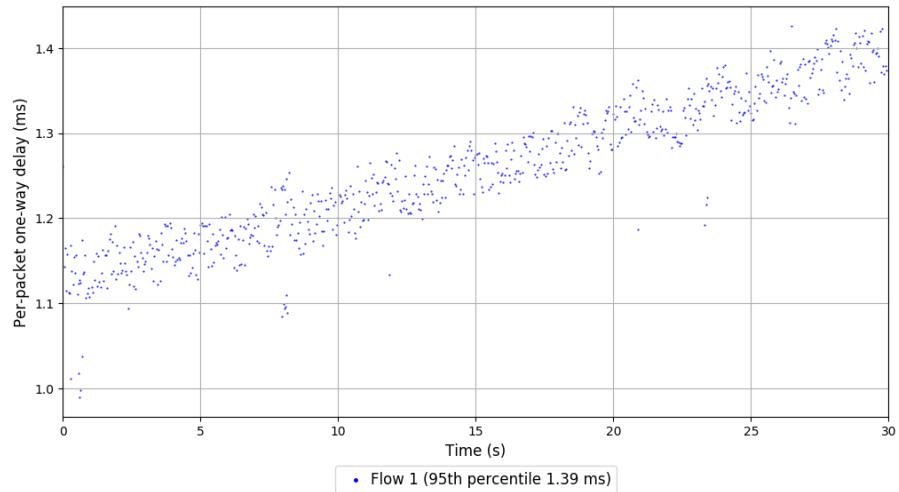
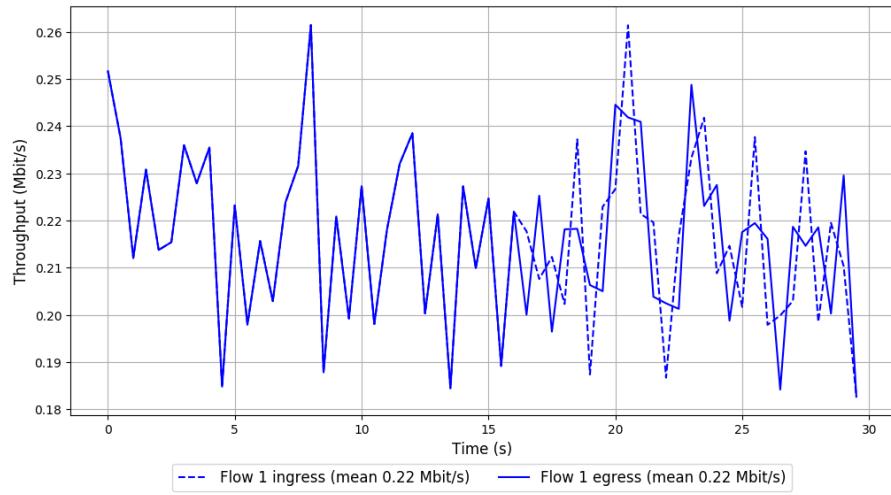


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 05:20:14
End at: 2018-04-24 05:20:44
Local clock offset: -11.07 ms
Remote clock offset: -6.688 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.388 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

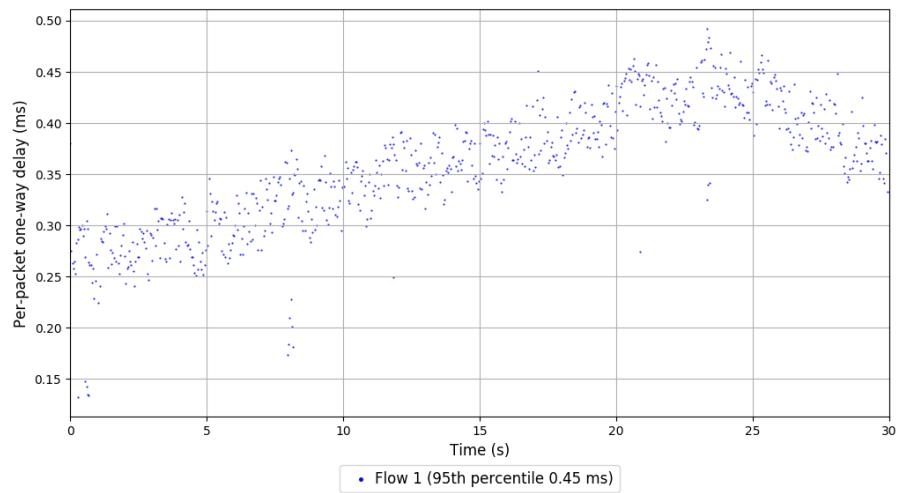
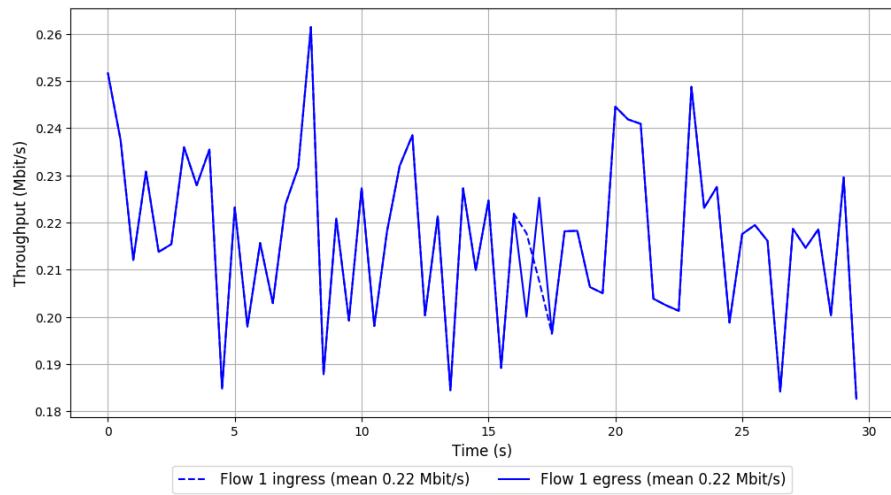


Run 2: Statistics of SCReAM

```
Start at: 2018-04-24 05:39:19
End at: 2018-04-24 05:39:49
Local clock offset: -14.473 ms
Remote clock offset: -6.579 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.446 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

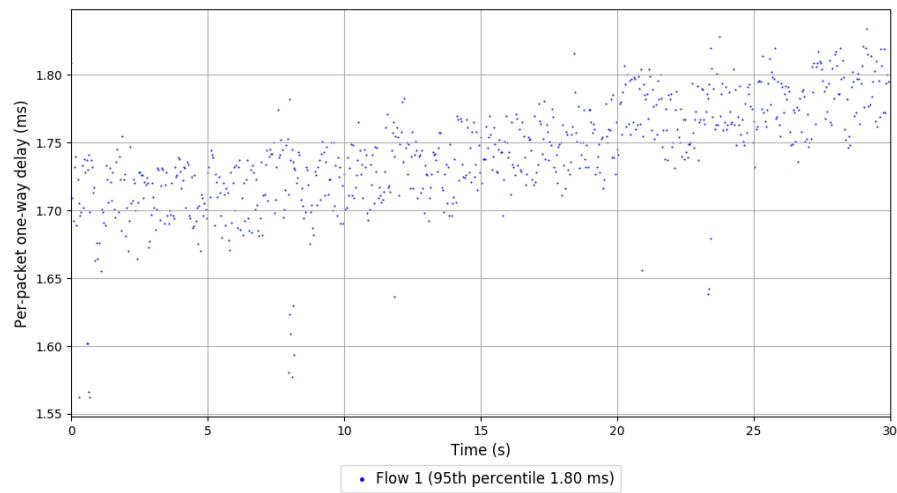
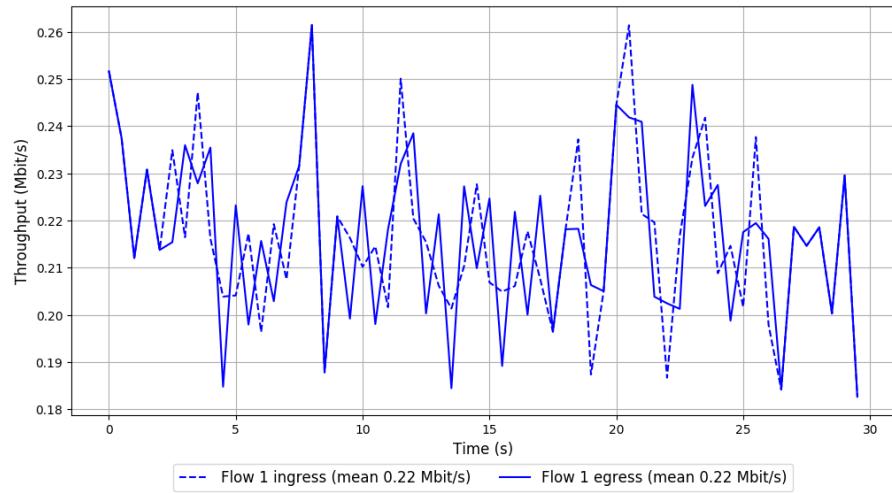


Run 3: Statistics of SCReAM

```
Start at: 2018-04-24 05:58:21
End at: 2018-04-24 05:58:51
Local clock offset: -10.41 ms
Remote clock offset: -6.478 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.802 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

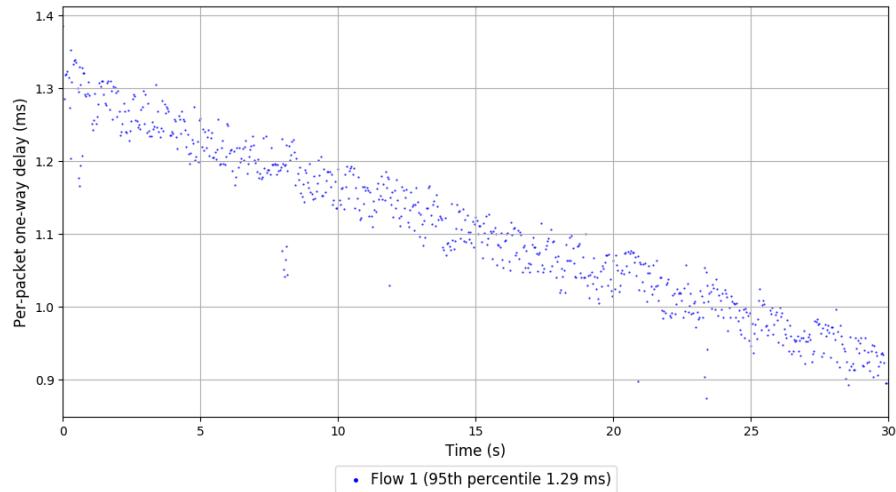
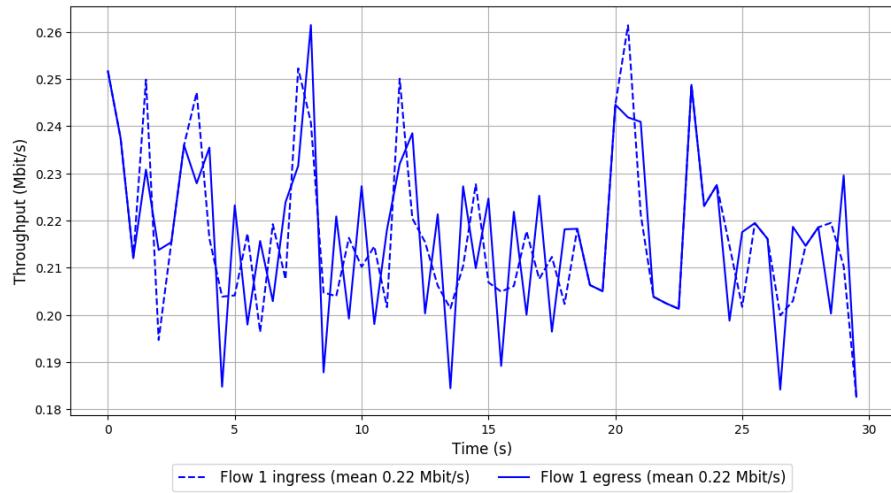


Run 4: Statistics of SCReAM

```
Start at: 2018-04-24 06:17:24
End at: 2018-04-24 06:17:54
Local clock offset: -13.975 ms
Remote clock offset: -6.817 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

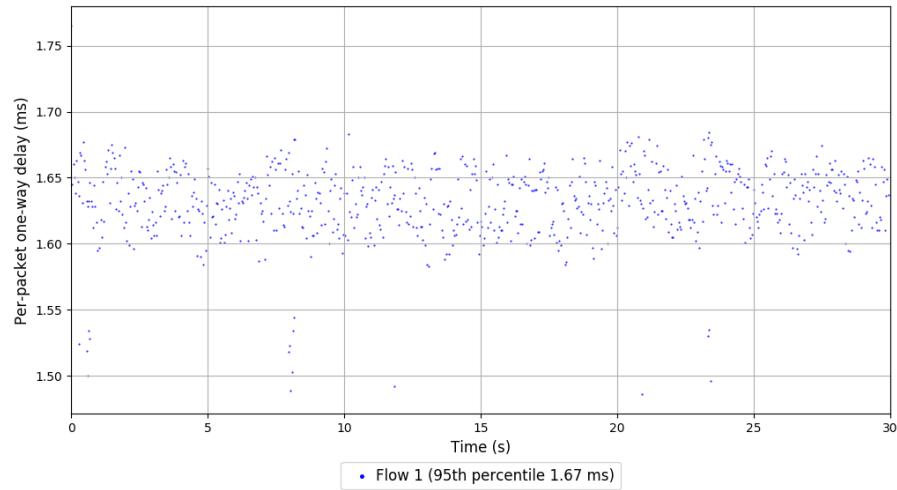
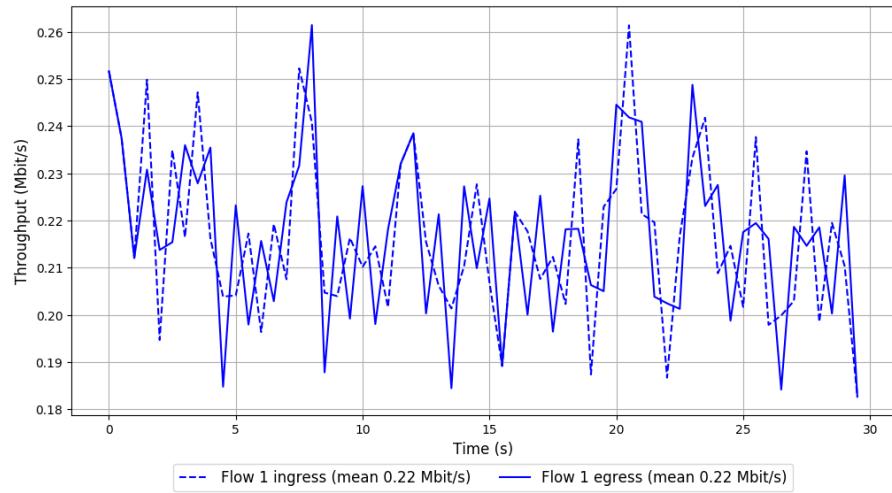


Run 5: Statistics of SCReAM

```
Start at: 2018-04-24 06:36:28
End at: 2018-04-24 06:36:58
Local clock offset: -9.188 ms
Remote clock offset: -6.928 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.666 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

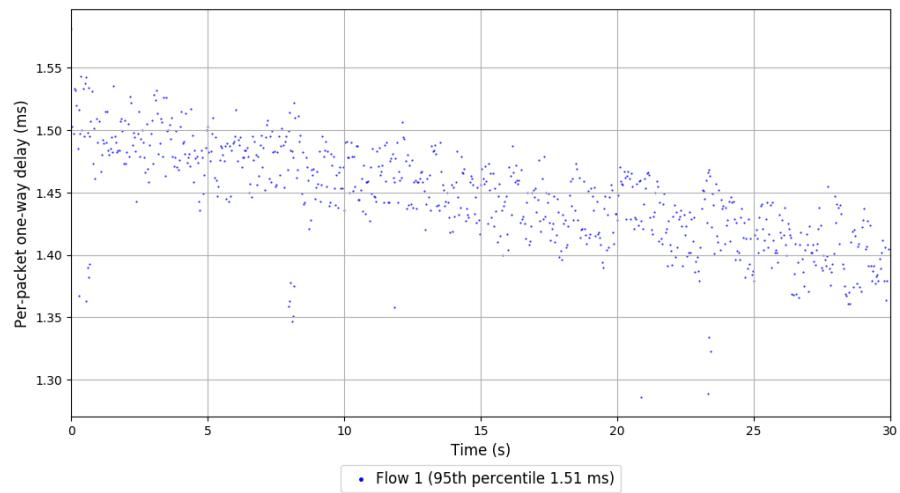
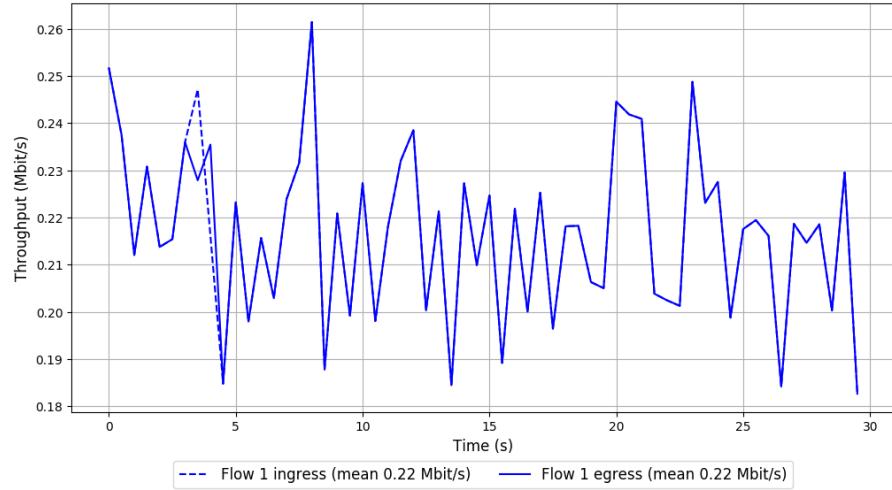


Run 6: Statistics of SCReAM

```
Start at: 2018-04-24 06:55:30
End at: 2018-04-24 06:56:00
Local clock offset: -8.52 ms
Remote clock offset: -6.944 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.508 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

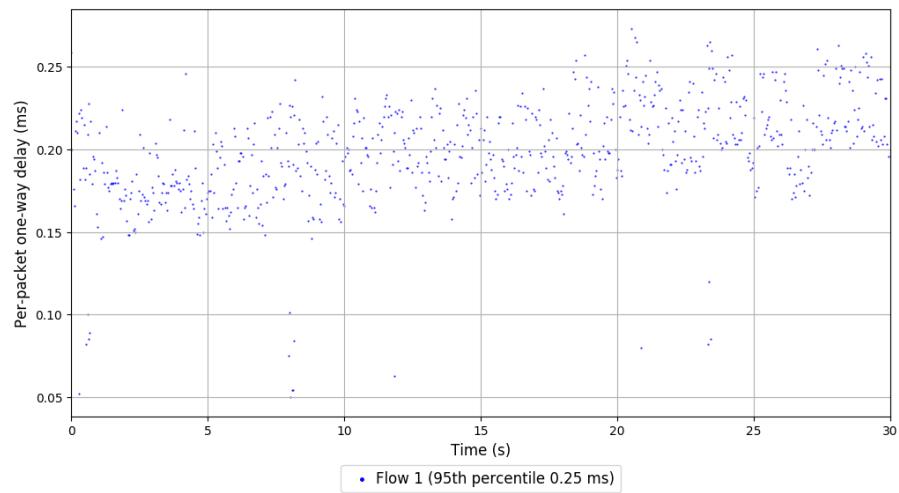
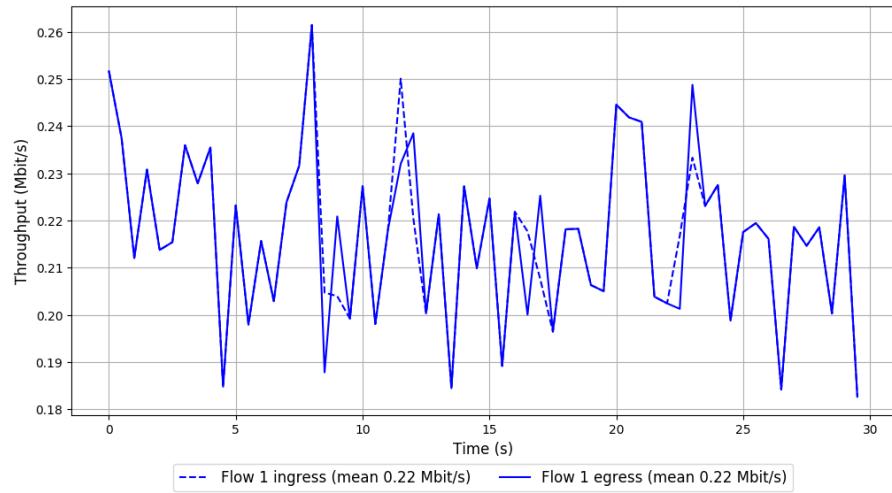


Run 7: Statistics of SCReAM

```
Start at: 2018-04-24 07:14:33
End at: 2018-04-24 07:15:03
Local clock offset: -9.075 ms
Remote clock offset: -6.977 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.246 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

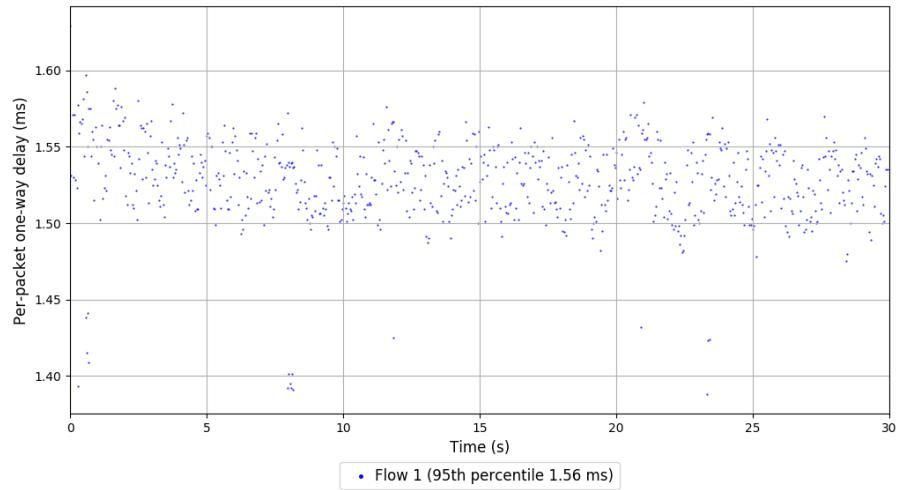
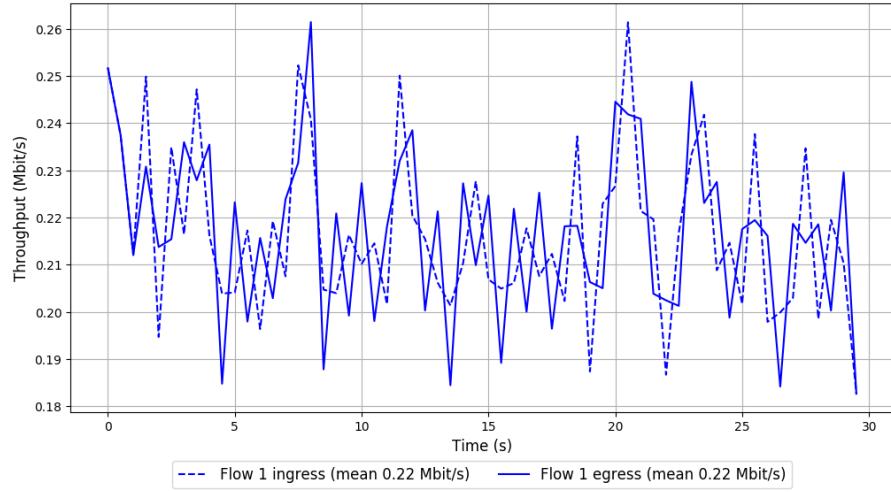


Run 8: Statistics of SCReAM

```
Start at: 2018-04-24 07:33:37
End at: 2018-04-24 07:34:07
Local clock offset: -6.58 ms
Remote clock offset: -6.253 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.565 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

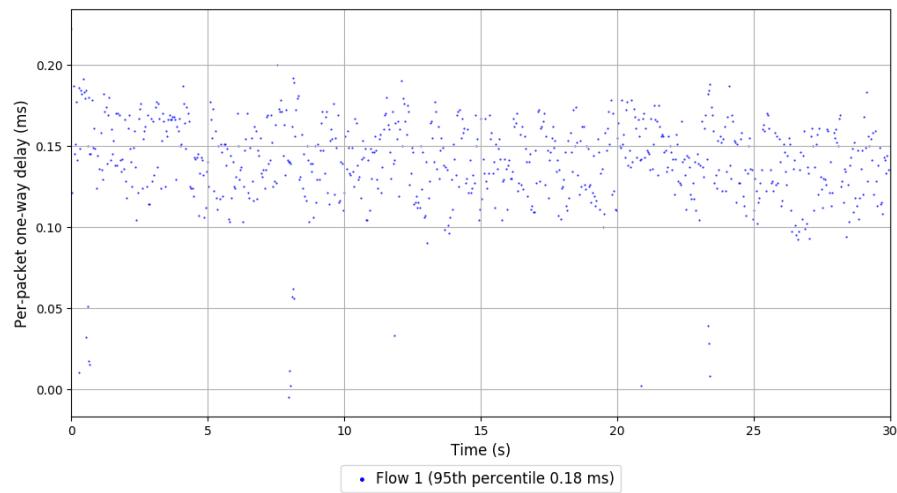
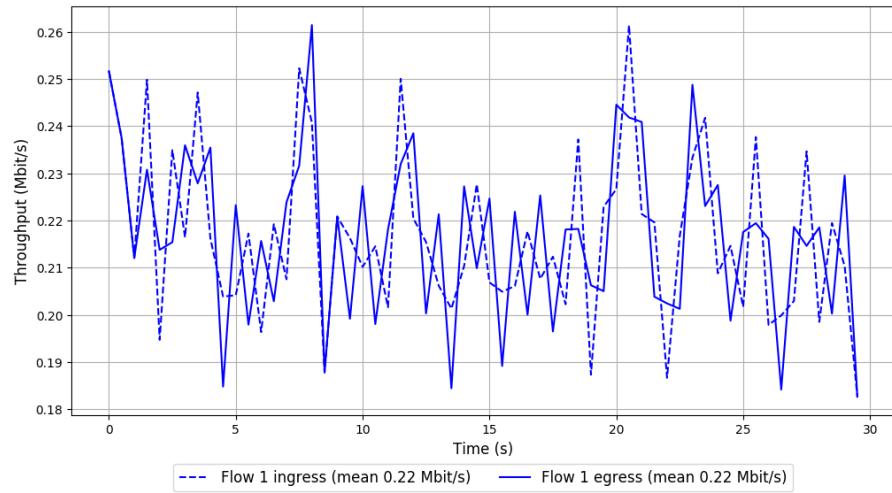


Run 9: Statistics of SCReAM

```
Start at: 2018-04-24 07:52:40
End at: 2018-04-24 07:53:10
Local clock offset: -7.798 ms
Remote clock offset: -6.368 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.176 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

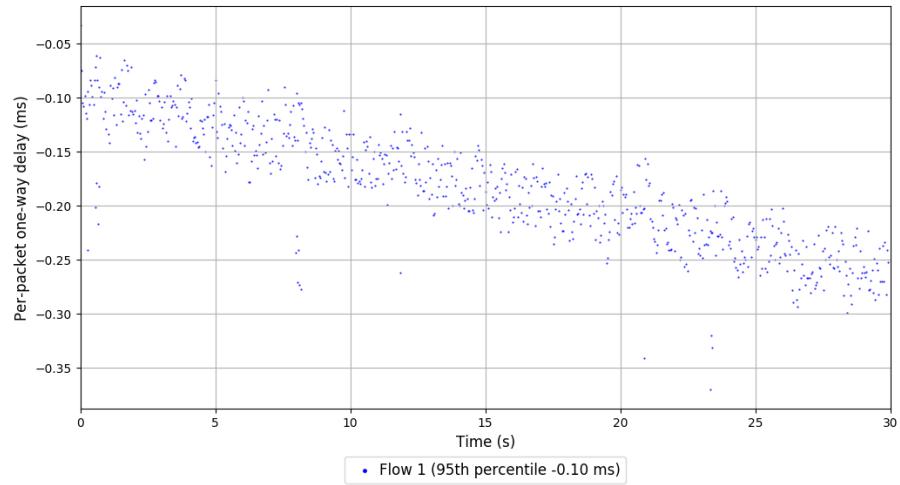
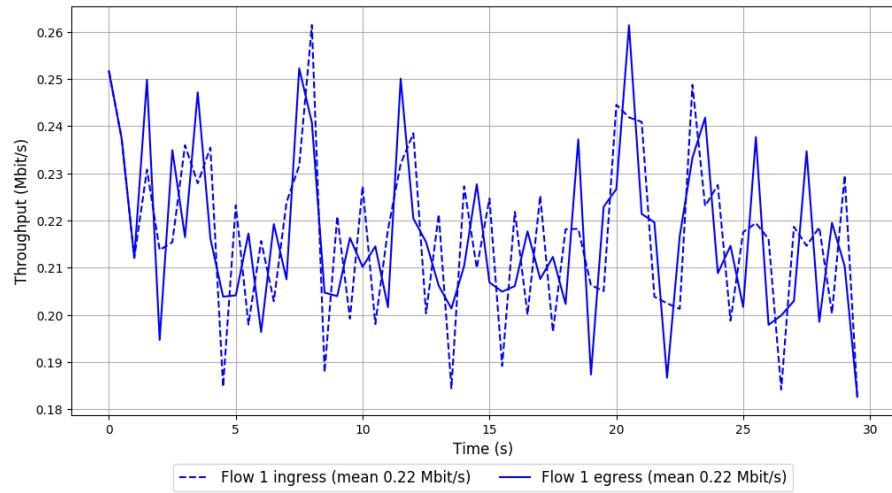


Run 10: Statistics of SCReAM

```
Start at: 2018-04-24 08:11:43
End at: 2018-04-24 08:12:13
Local clock offset: 0.49 ms
Remote clock offset: -6.704 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -0.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -0.097 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

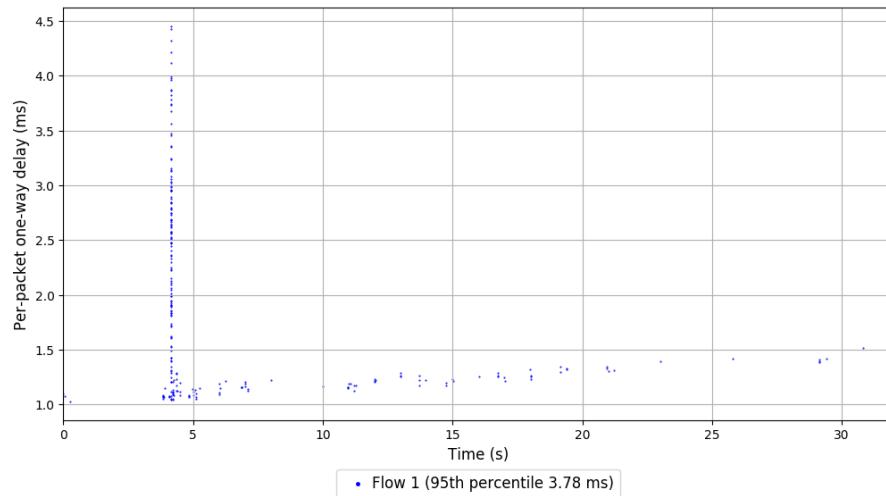
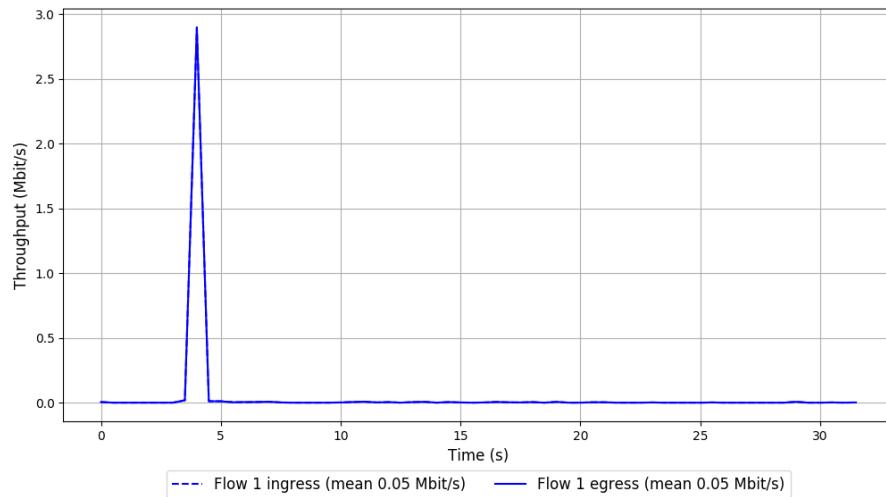


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 05:11:21
End at: 2018-04-24 05:11:51
Local clock offset: -8.507 ms
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.781 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

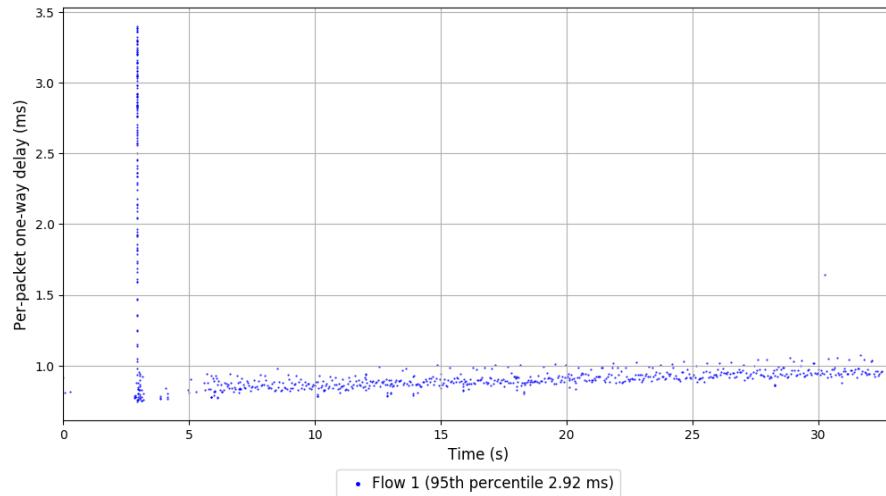
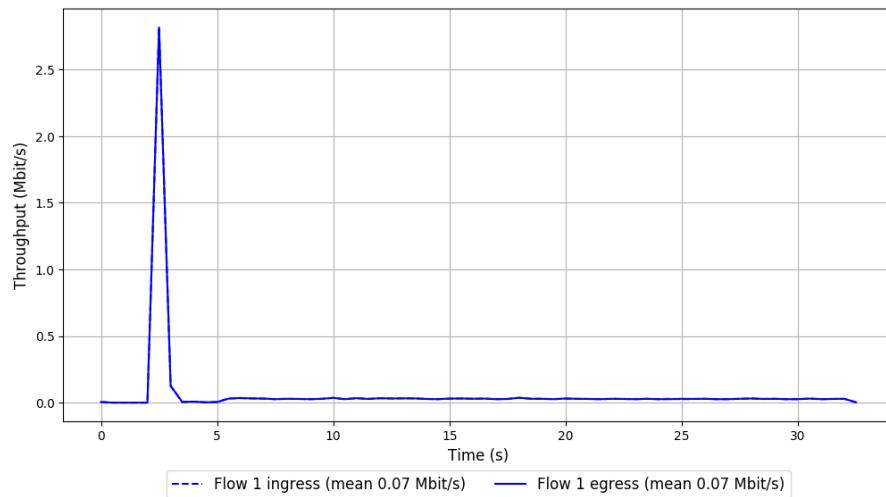


Run 2: Statistics of WebRTC media

```
Start at: 2018-04-24 05:30:22
End at: 2018-04-24 05:30:52
Local clock offset: -10.408 ms
Remote clock offset: -6.588 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 2.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 2.916 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

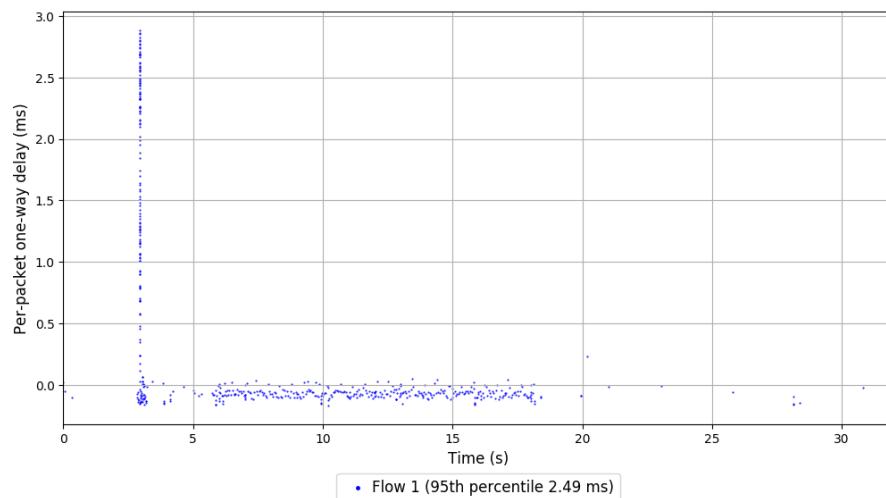
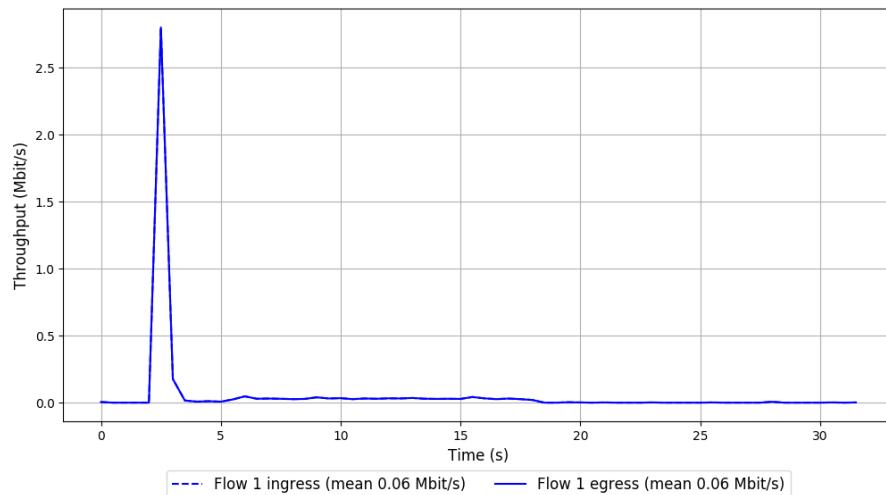


Run 3: Statistics of WebRTC media

```
Start at: 2018-04-24 05:49:26
End at: 2018-04-24 05:49:56
Local clock offset: -11.227 ms
Remote clock offset: -6.521 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.492 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

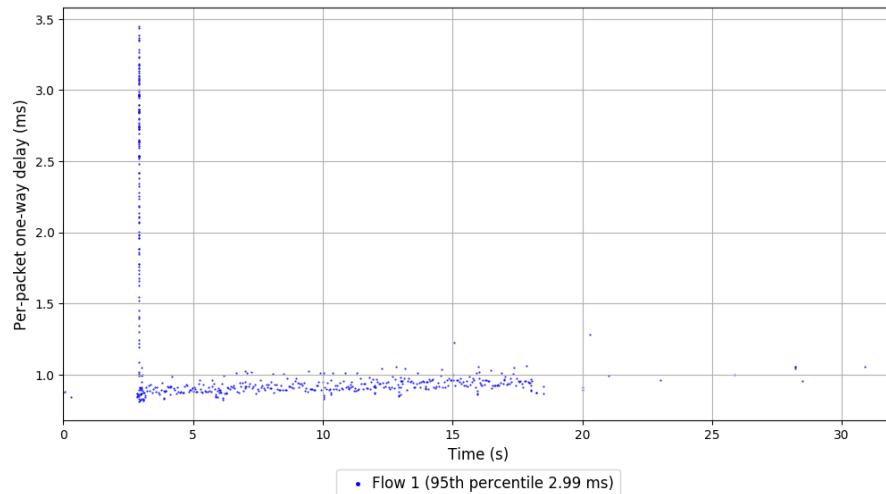
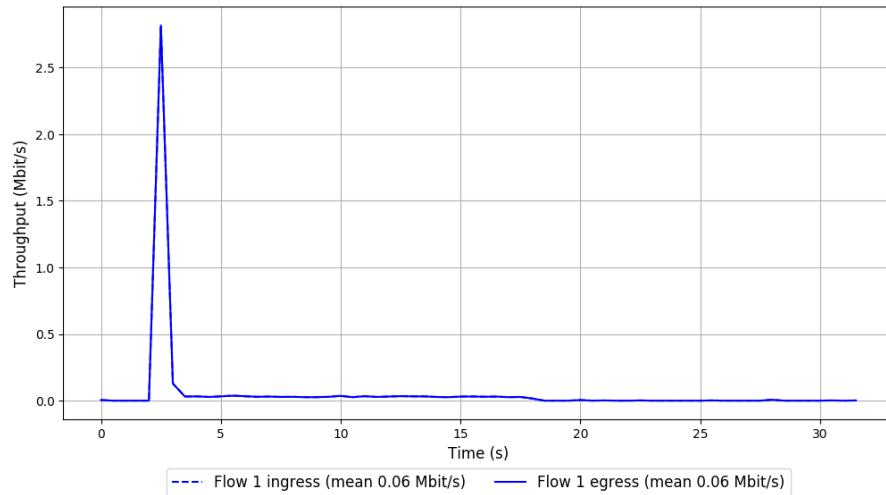


Run 4: Statistics of WebRTC media

```
Start at: 2018-04-24 06:08:29
End at: 2018-04-24 06:08:59
Local clock offset: -13.662 ms
Remote clock offset: -6.551 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.987 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

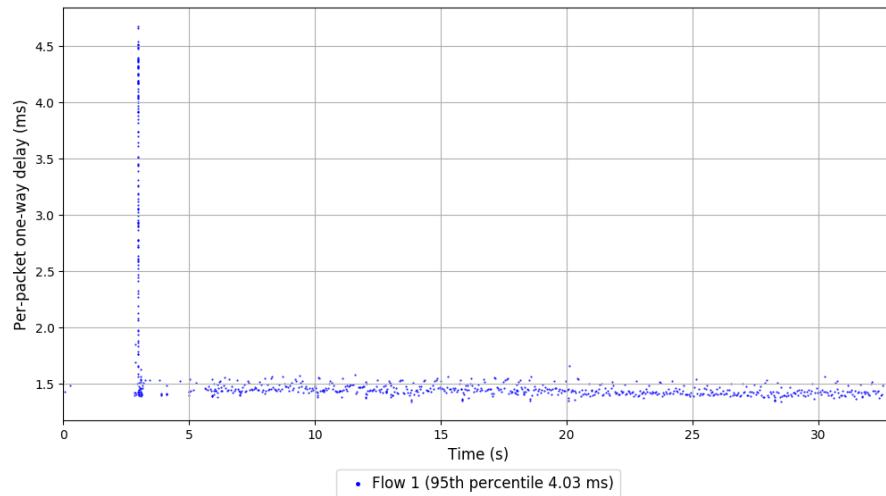
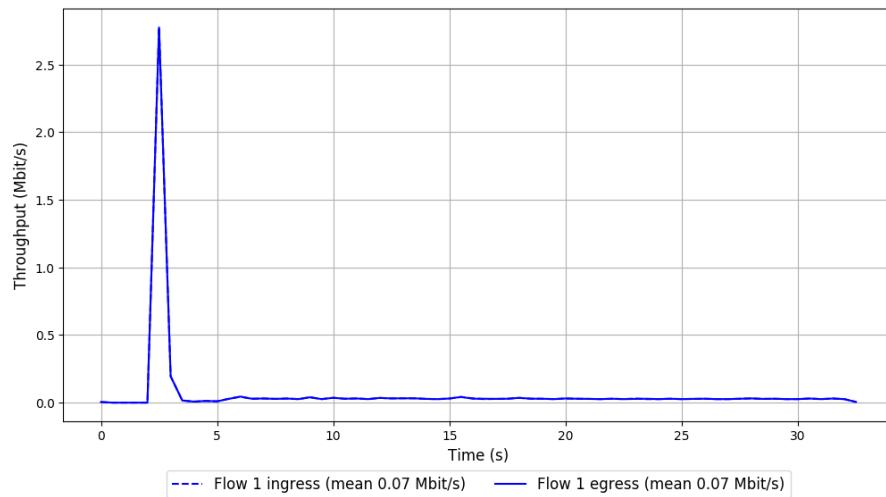


Run 5: Statistics of WebRTC media

```
Start at: 2018-04-24 06:27:32
End at: 2018-04-24 06:28:02
Local clock offset: -9.656 ms
Remote clock offset: -6.915 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 4.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 4.031 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

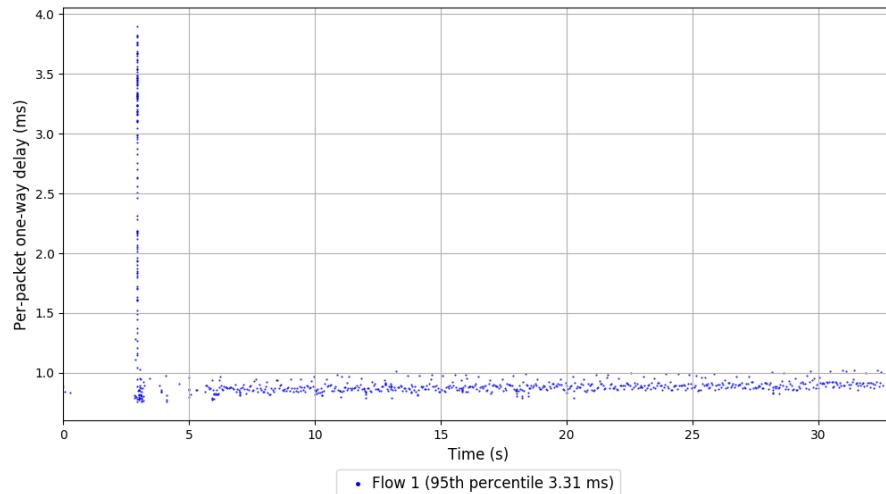
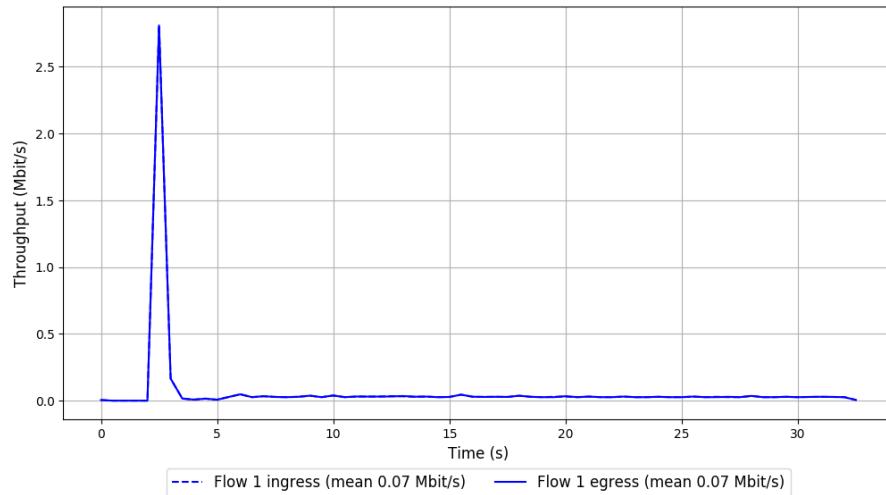


Run 6: Statistics of WebRTC media

```
Start at: 2018-04-24 06:46:36
End at: 2018-04-24 06:47:06
Local clock offset: -10.593 ms
Remote clock offset: -6.942 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.314 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

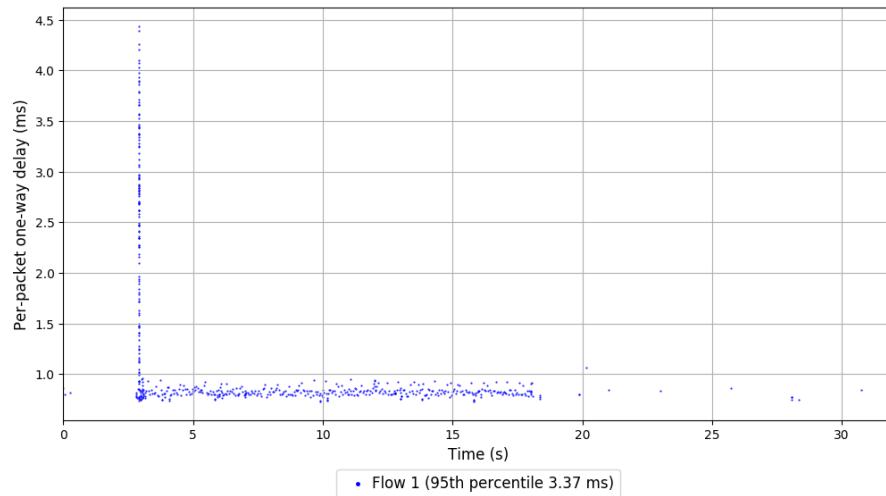
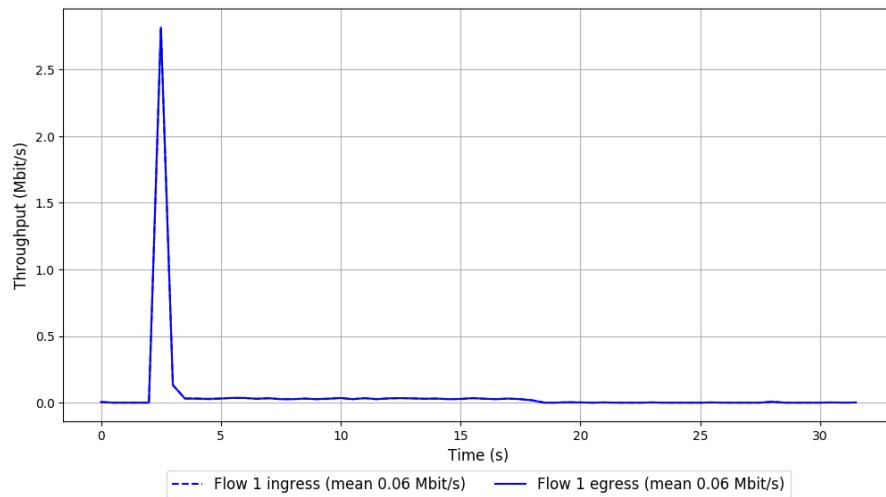


Run 7: Statistics of WebRTC media

```
Start at: 2018-04-24 07:05:38
End at: 2018-04-24 07:06:08
Local clock offset: -8.223 ms
Remote clock offset: -7.004 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.369 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

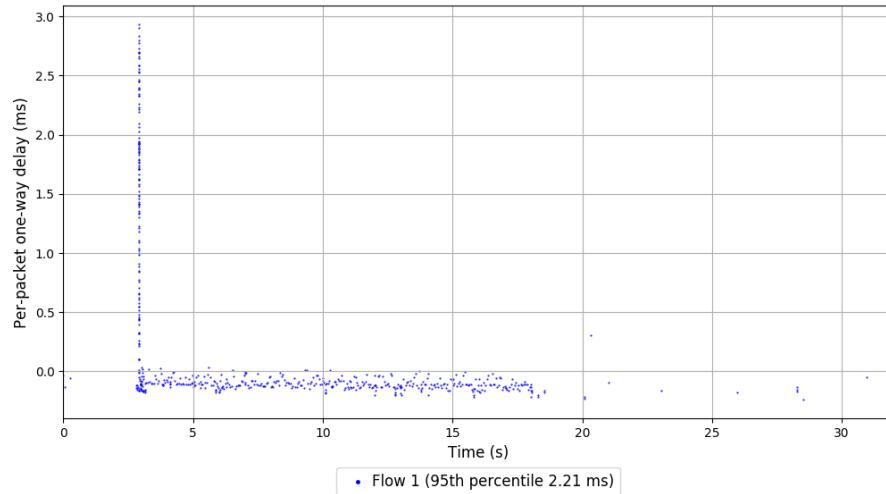
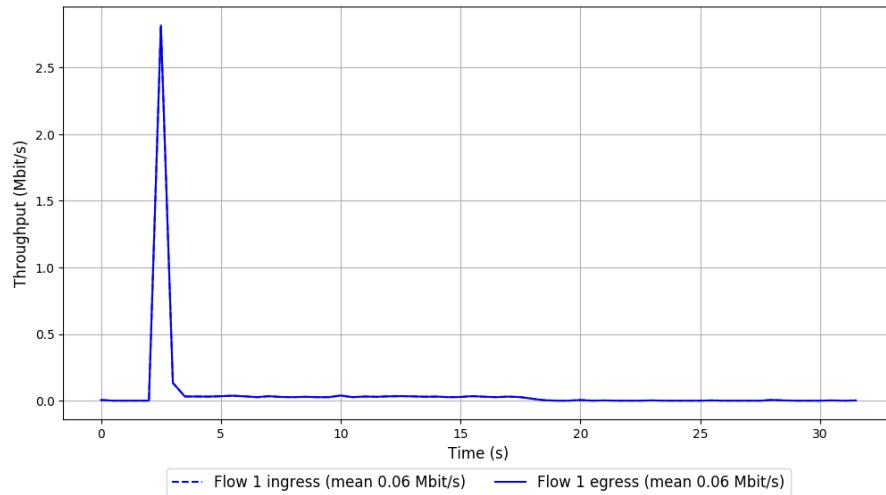


Run 8: Statistics of WebRTC media

```
Start at: 2018-04-24 07:24:41
End at: 2018-04-24 07:25:11
Local clock offset: -9.378 ms
Remote clock offset: -6.45 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.213 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

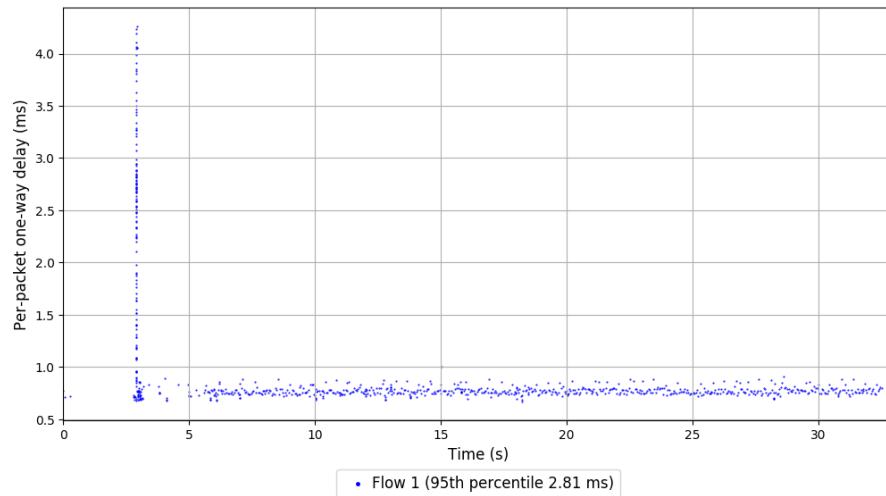
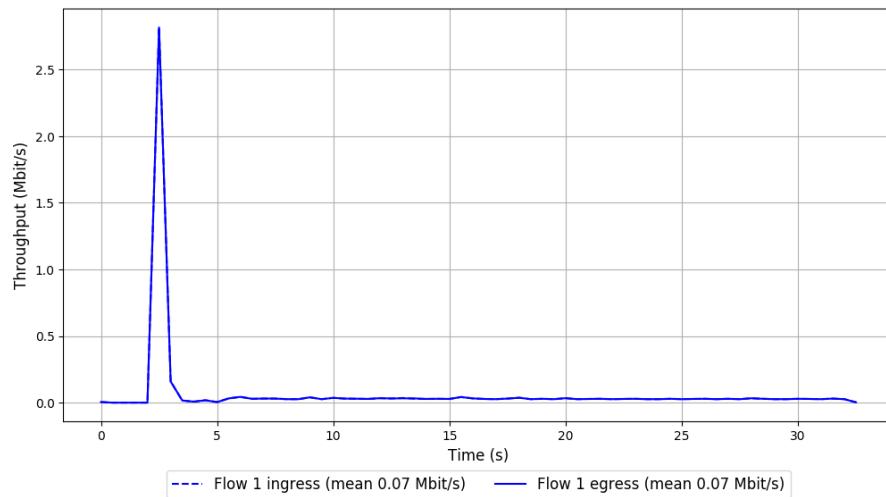


Run 9: Statistics of WebRTC media

```
Start at: 2018-04-24 07:43:45
End at: 2018-04-24 07:44:15
Local clock offset: -7.012 ms
Remote clock offset: -6.128 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 2.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 2.814 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

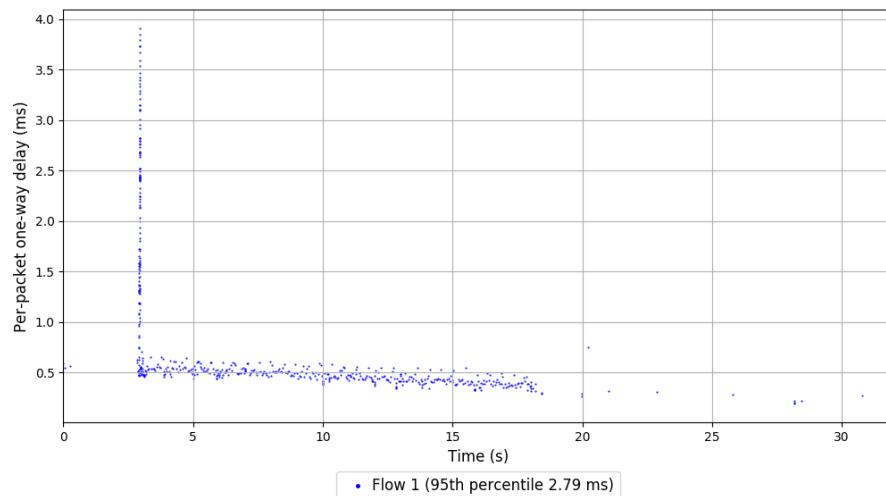
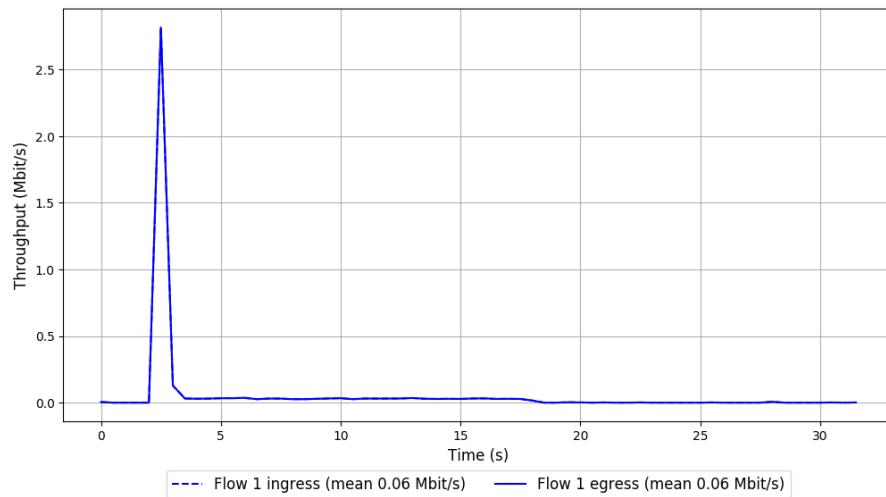


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-04-24 08:02:48
End at: 2018-04-24 08:03:18
Local clock offset: -3.065 ms
Remote clock offset: -6.627 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.794 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

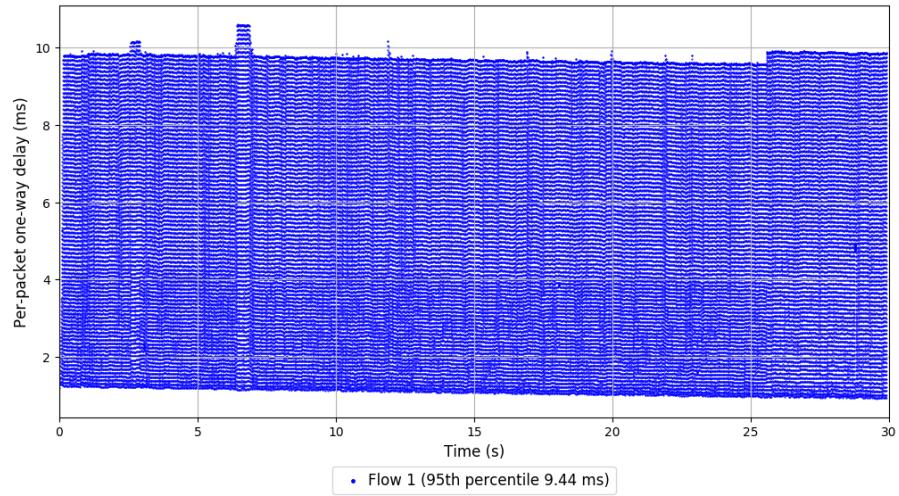
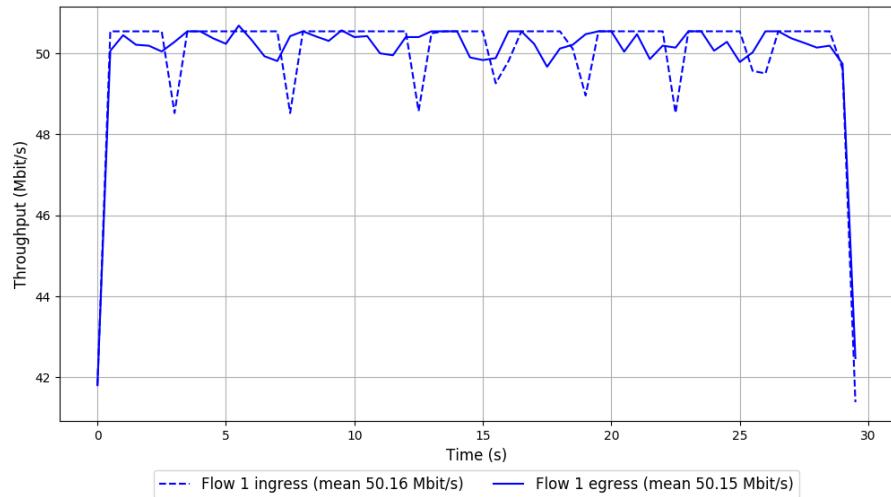


Run 1: Statistics of Sprout

```
Start at: 2018-04-24 05:23:32
End at: 2018-04-24 05:24:02
Local clock offset: -10.914 ms
Remote clock offset: -6.656 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 9.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 9.442 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

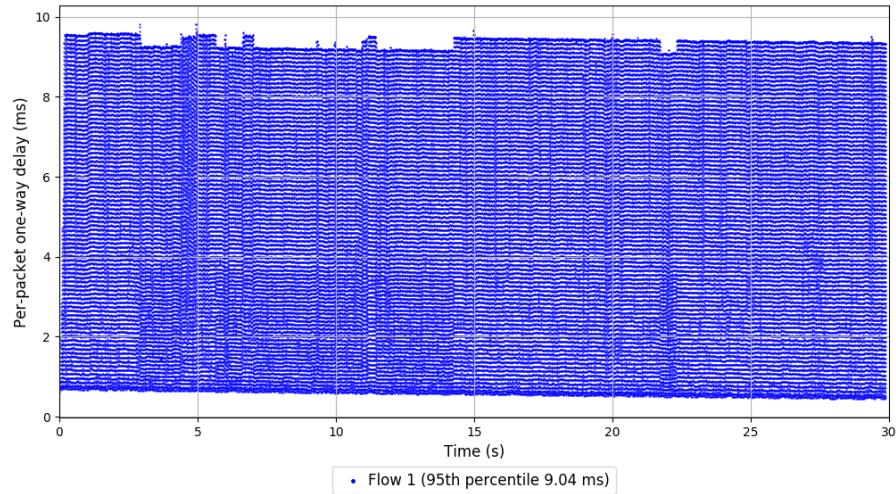
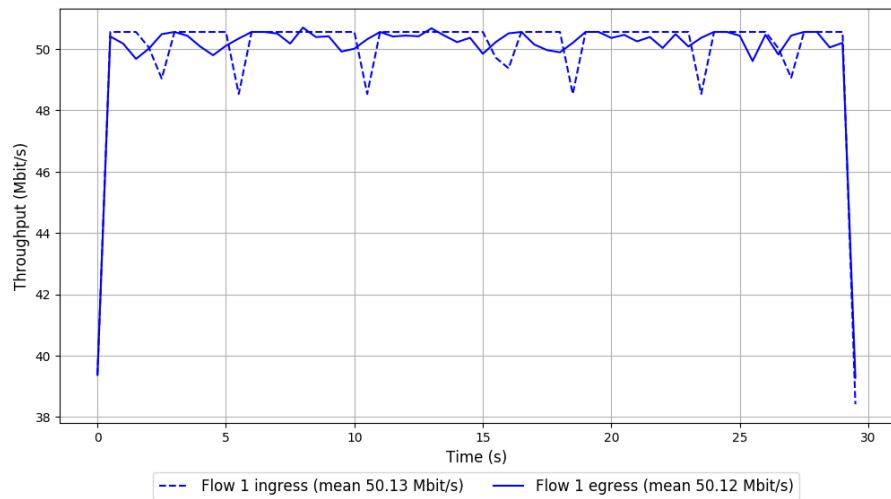


Run 2: Statistics of Sprout

```
Start at: 2018-04-24 05:42:37
End at: 2018-04-24 05:43:07
Local clock offset: -12.338 ms
Remote clock offset: -6.603 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 9.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 9.041 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

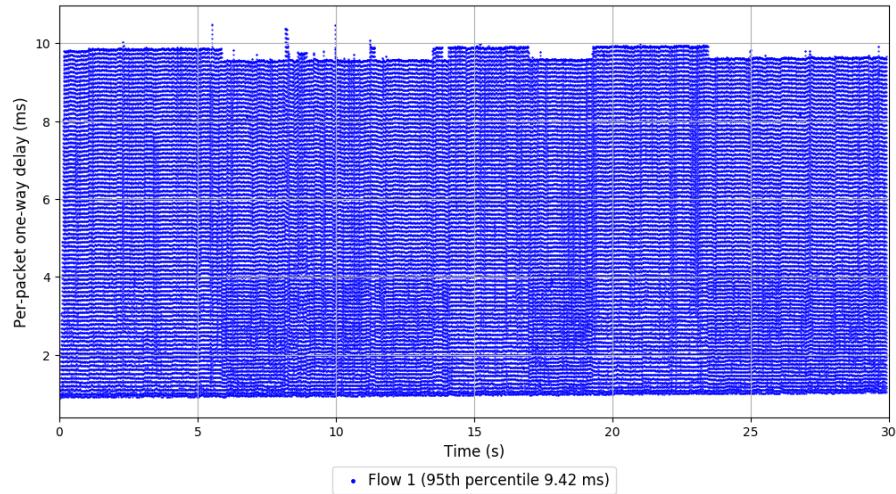
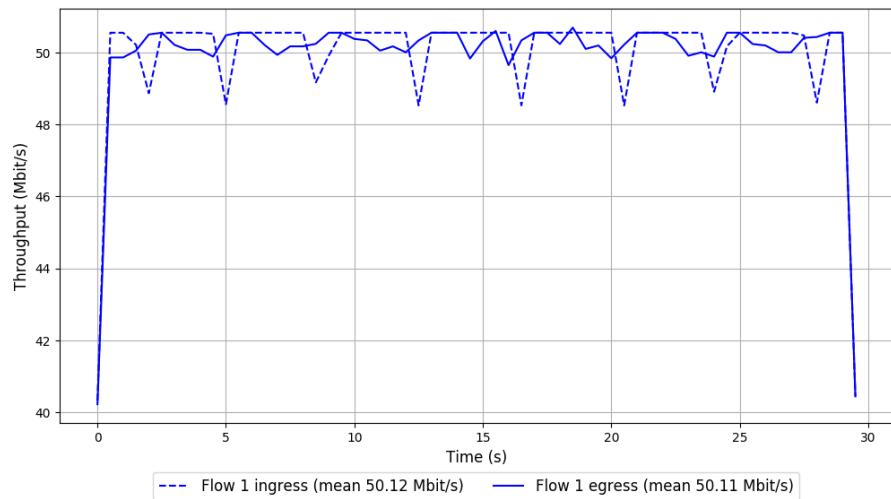


Run 3: Statistics of Sprout

```
Start at: 2018-04-24 06:01:39
End at: 2018-04-24 06:02:09
Local clock offset: -11.911 ms
Remote clock offset: -6.426 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 9.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 9.418 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

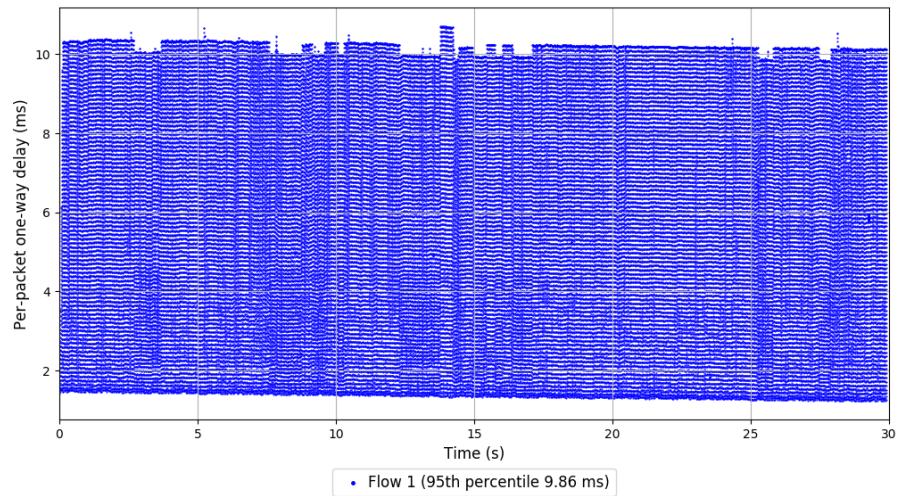
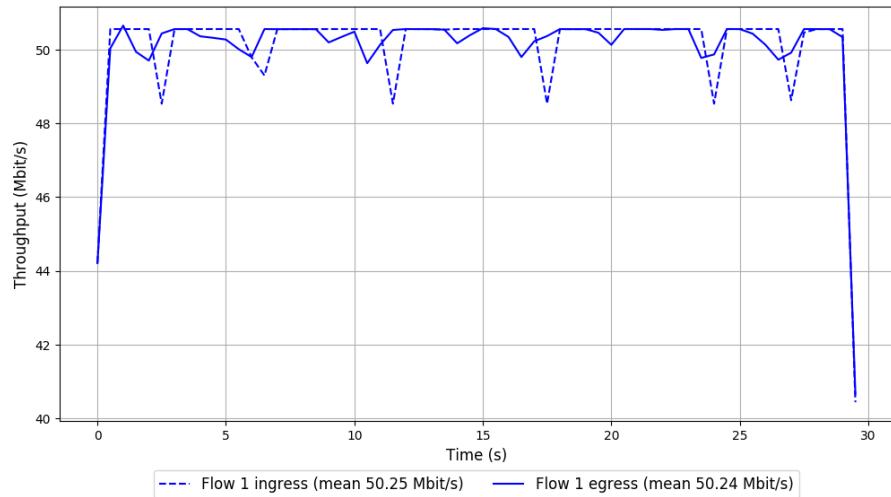


Run 4: Statistics of Sprout

```
Start at: 2018-04-24 06:20:42
End at: 2018-04-24 06:21:12
Local clock offset: -11.777 ms
Remote clock offset: -6.844 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 9.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 9.857 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

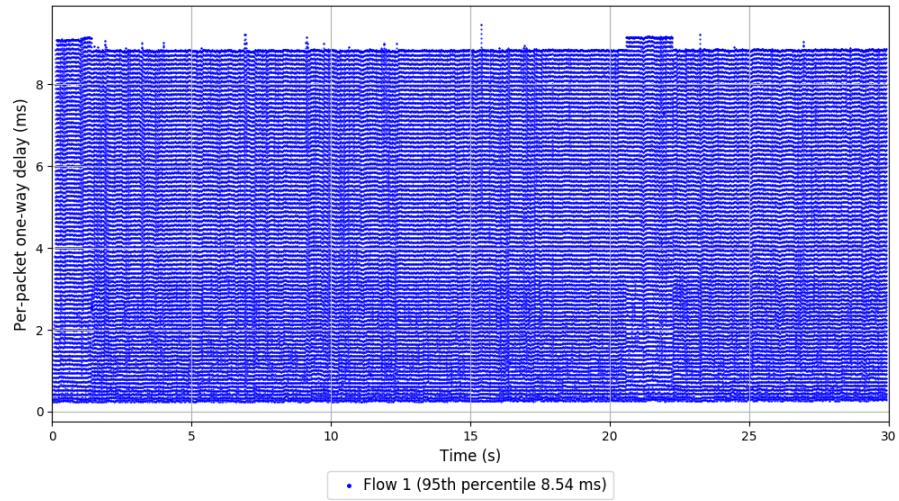
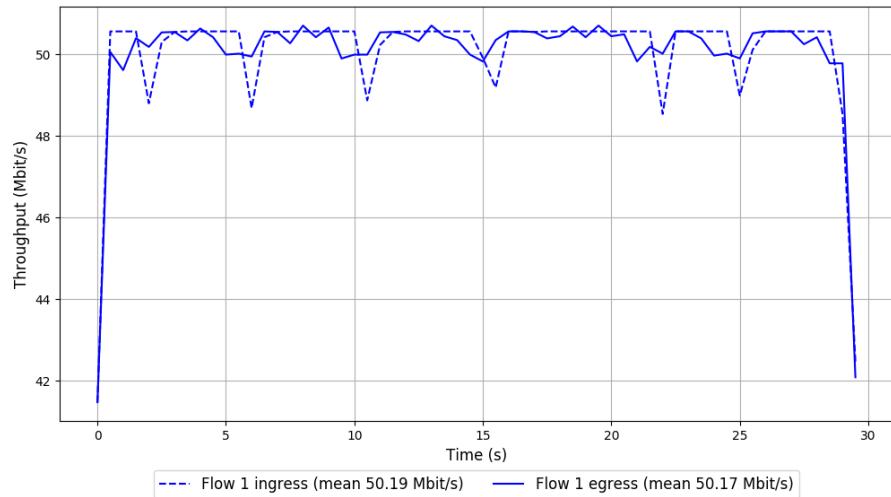


Run 5: Statistics of Sprout

```
Start at: 2018-04-24 06:39:46
End at: 2018-04-24 06:40:16
Local clock offset: -10.815 ms
Remote clock offset: -6.999 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 8.542 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 8.542 ms
Loss rate: 0.01%
```

Run 5: Report of Sprout — Data Link

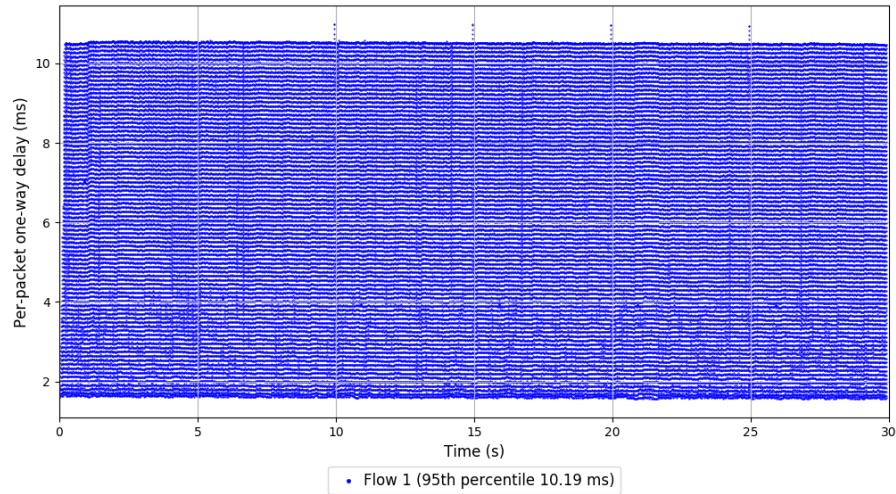
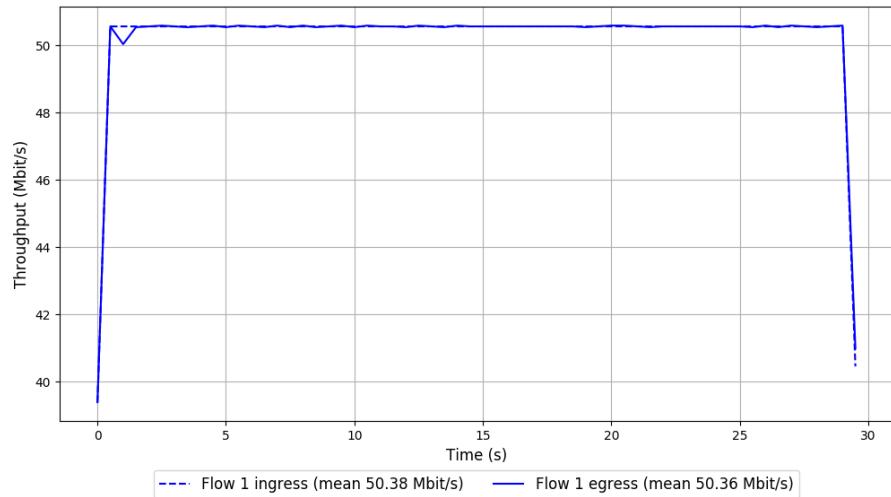


Run 6: Statistics of Sprout

```
Start at: 2018-04-24 06:58:48
End at: 2018-04-24 06:59:18
Local clock offset: -7.951 ms
Remote clock offset: -7.001 ms

# Below is generated by plot.py at 2018-04-24 11:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 10.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 10.194 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

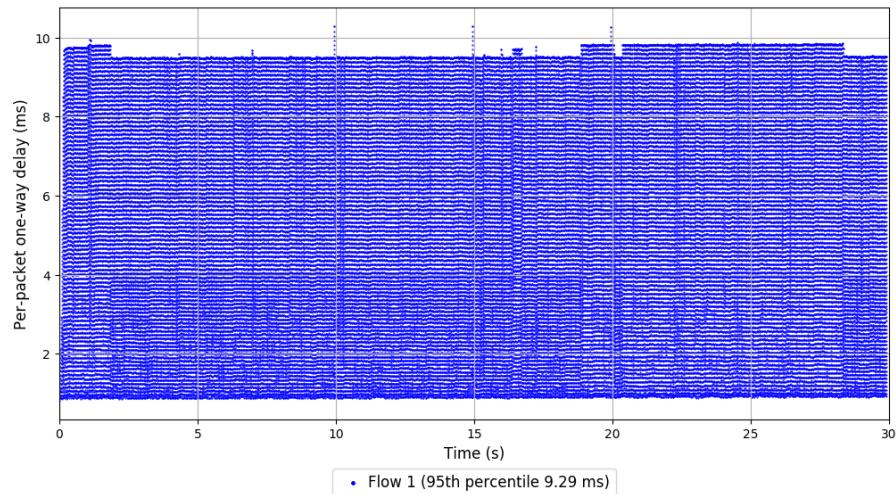
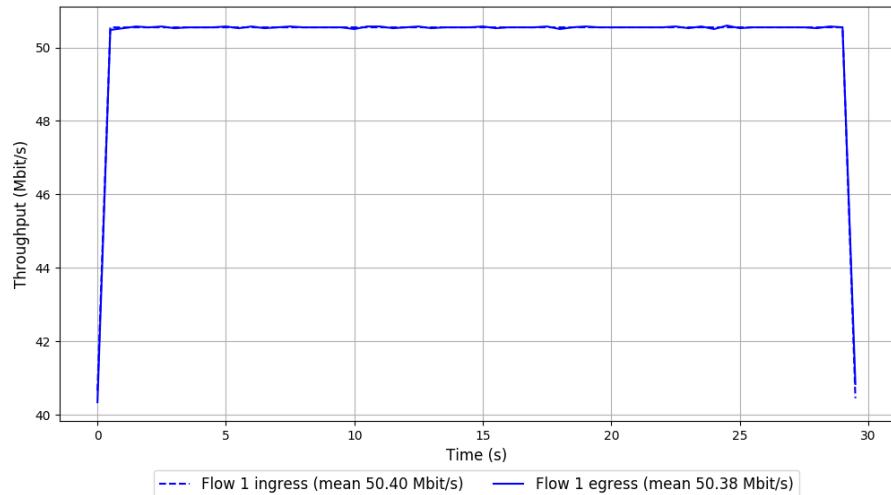


Run 7: Statistics of Sprout

```
Start at: 2018-04-24 07:17:51
End at: 2018-04-24 07:18:21
Local clock offset: -8.41 ms
Remote clock offset: -6.672 ms

# Below is generated by plot.py at 2018-04-24 11:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 9.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 9.287 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

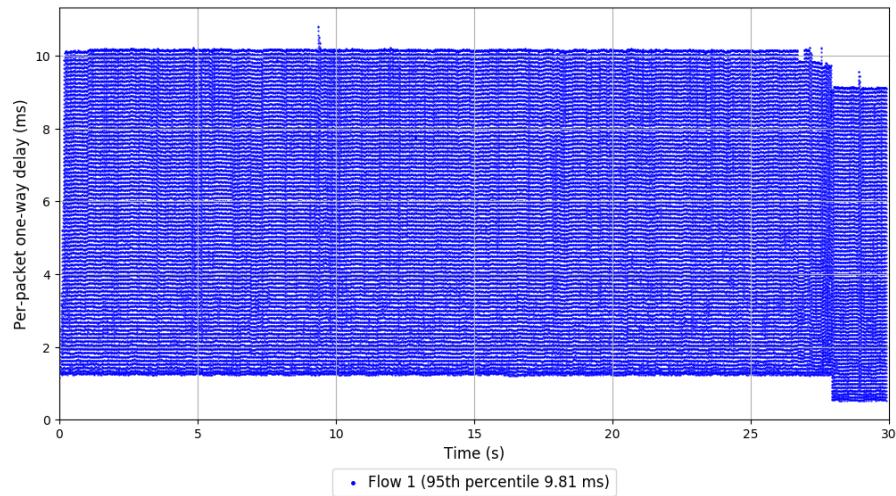
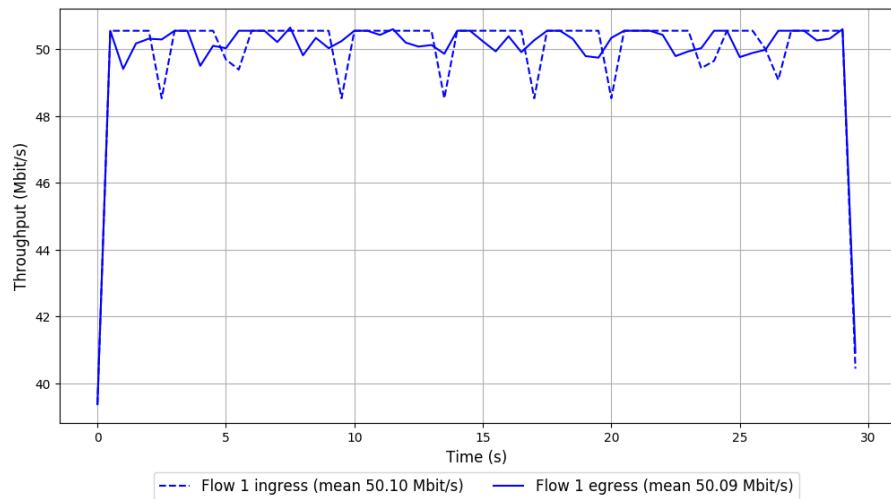


Run 8: Statistics of Sprout

```
Start at: 2018-04-24 07:36:55
End at: 2018-04-24 07:37:25
Local clock offset: -7.461 ms
Remote clock offset: -6.219 ms

# Below is generated by plot.py at 2018-04-24 11:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 9.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 9.808 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

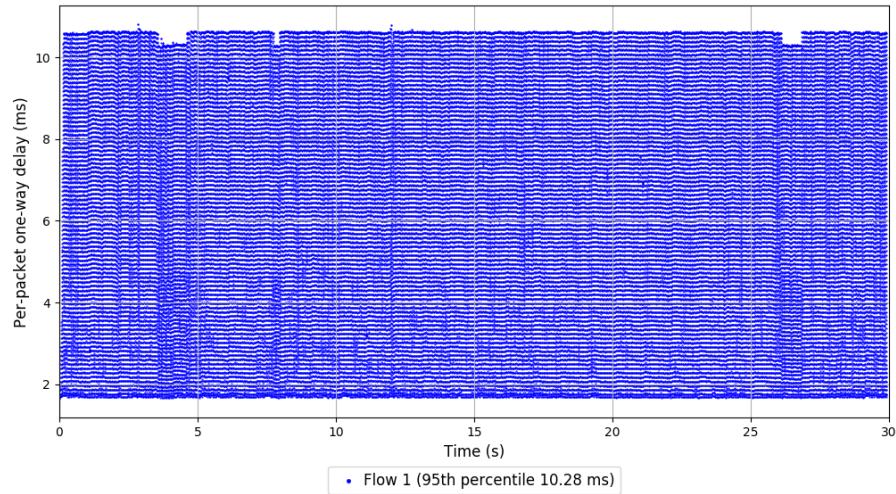
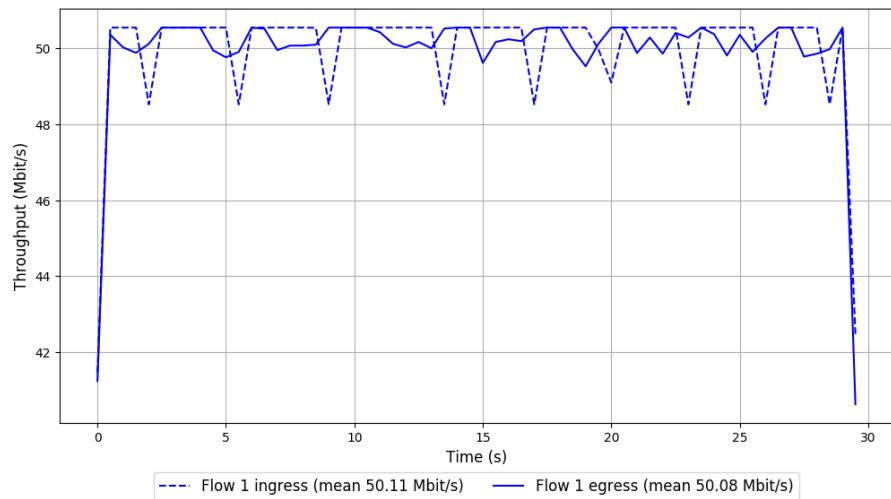


Run 9: Statistics of Sprout

```
Start at: 2018-04-24 07:55:58
End at: 2018-04-24 07:56:28
Local clock offset: -6.386 ms
Remote clock offset: -6.516 ms

# Below is generated by plot.py at 2018-04-24 11:38:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 10.279 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 10.279 ms
Loss rate: 0.06%
```

Run 9: Report of Sprout — Data Link

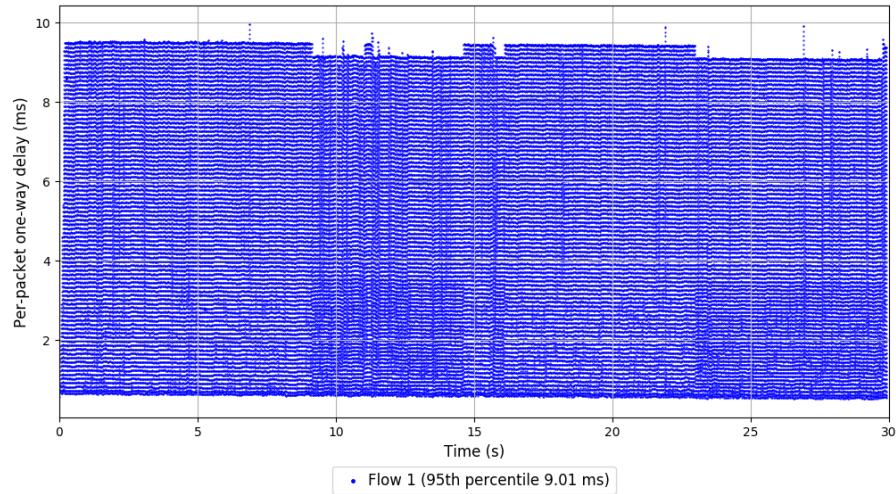
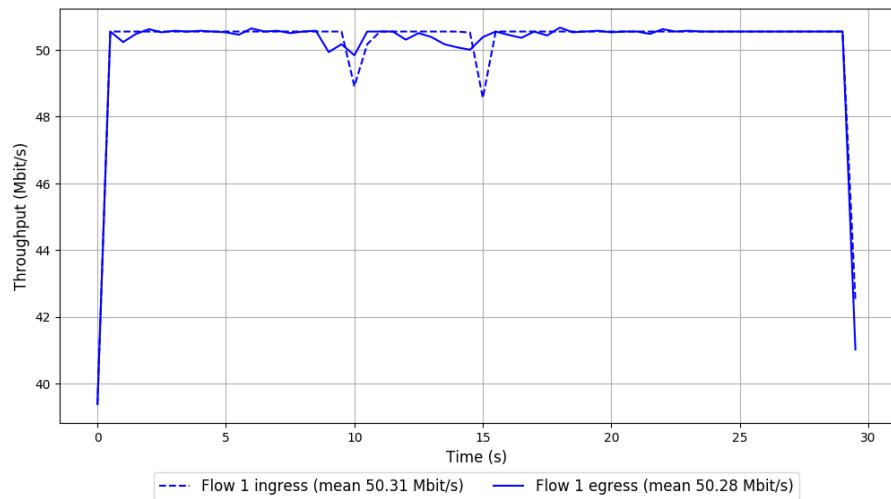


Run 10: Statistics of Sprout

```
Start at: 2018-04-24 08:15:01
End at: 2018-04-24 08:15:31
Local clock offset: 2.124 ms
Remote clock offset: -6.744 ms

# Below is generated by plot.py at 2018-04-24 11:38:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 9.009 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 9.009 ms
Loss rate: 0.06%
```

Run 10: Report of Sprout — Data Link

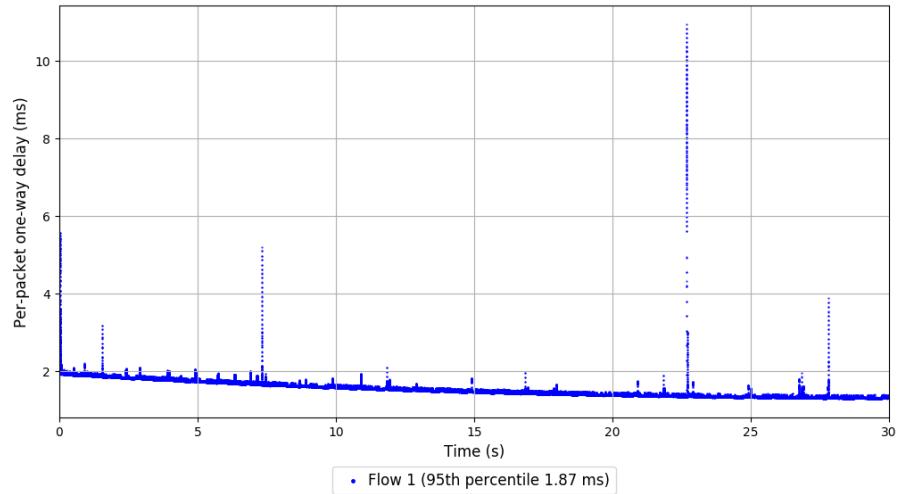
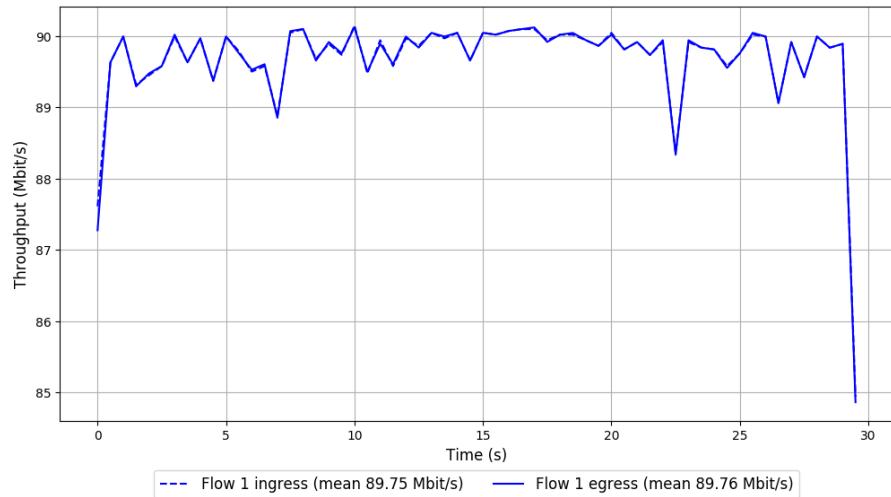


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-04-24 05:05:36
End at: 2018-04-24 05:06:06
Local clock offset: -6.95 ms
Remote clock offset: -6.749 ms

# Below is generated by plot.py at 2018-04-24 11:40:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 1.871 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 1.871 ms
Loss rate: 0.01%
```

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

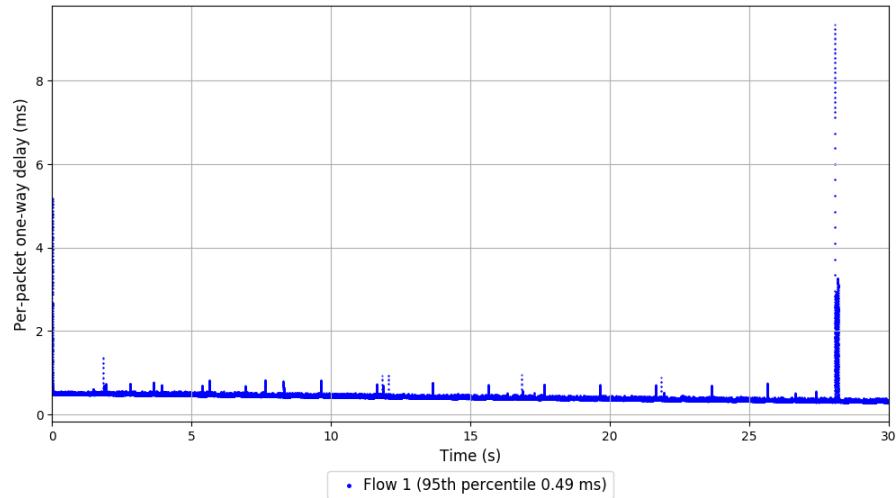
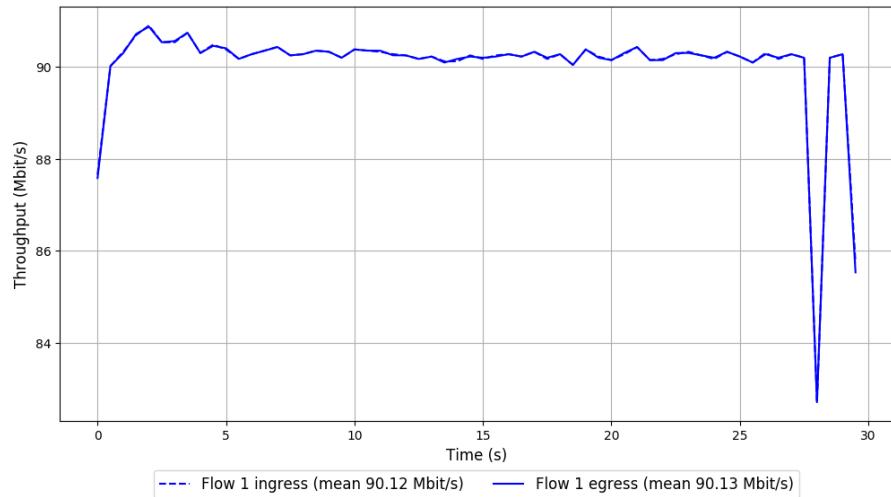


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-04-24 05:24:37
End at: 2018-04-24 05:25:07
Local clock offset: -11.028 ms
Remote clock offset: -6.655 ms

# Below is generated by plot.py at 2018-04-24 11:40:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 0.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 0.495 ms
Loss rate: 0.00%
```

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

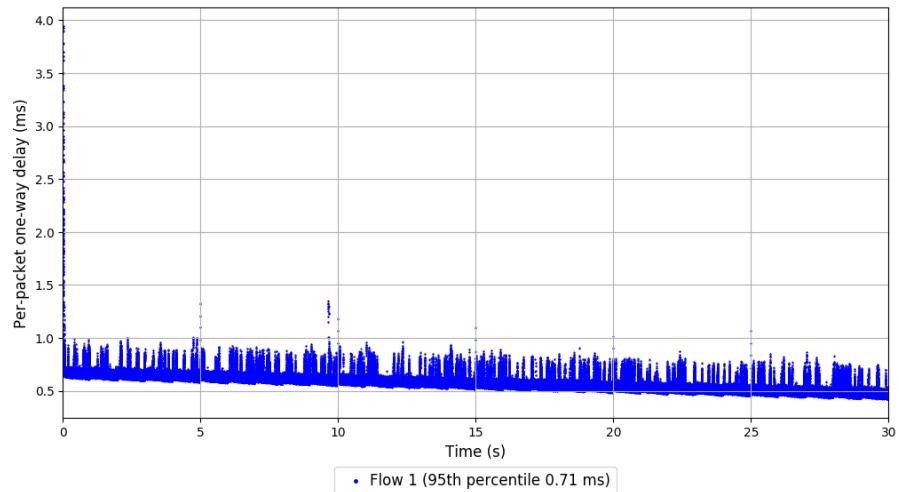
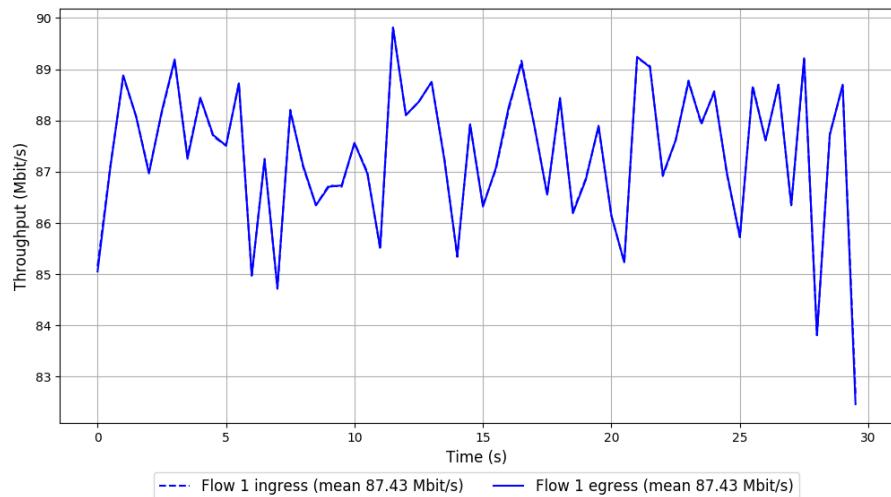


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-04-24 05:43:42
End at: 2018-04-24 05:44:12
Local clock offset: -11.798 ms
Remote clock offset: -6.544 ms

# Below is generated by plot.py at 2018-04-24 11:40:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 0.706 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 0.706 ms
Loss rate: 0.01%
```

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

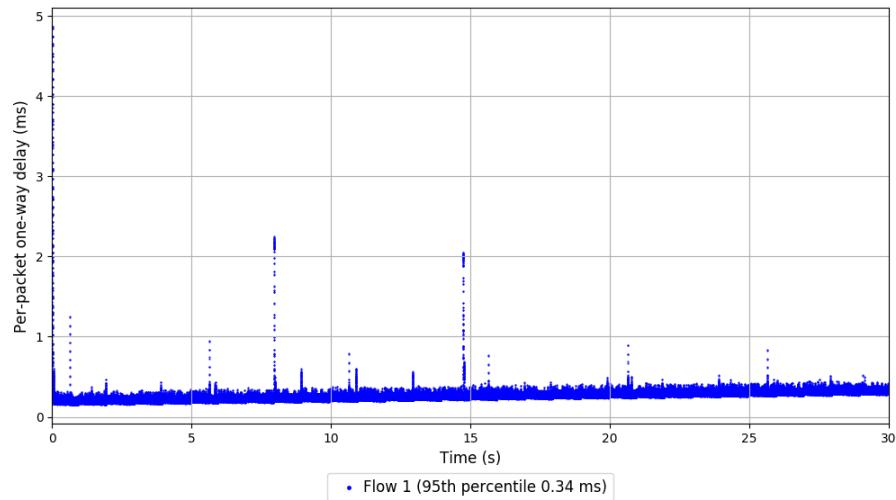
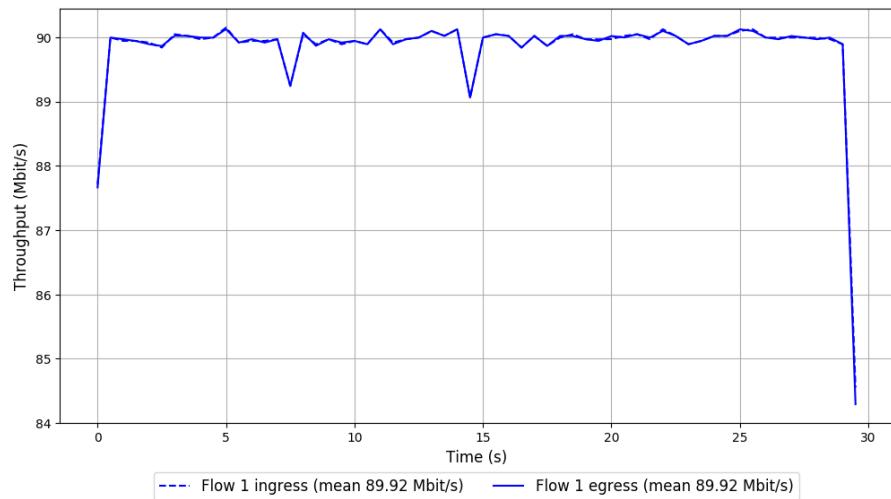


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-04-24 06:02:44
End at: 2018-04-24 06:03:14
Local clock offset: -12.892 ms
Remote clock offset: -6.417 ms

# Below is generated by plot.py at 2018-04-24 11:40:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 0.343 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 0.343 ms
Loss rate: 0.01%
```

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

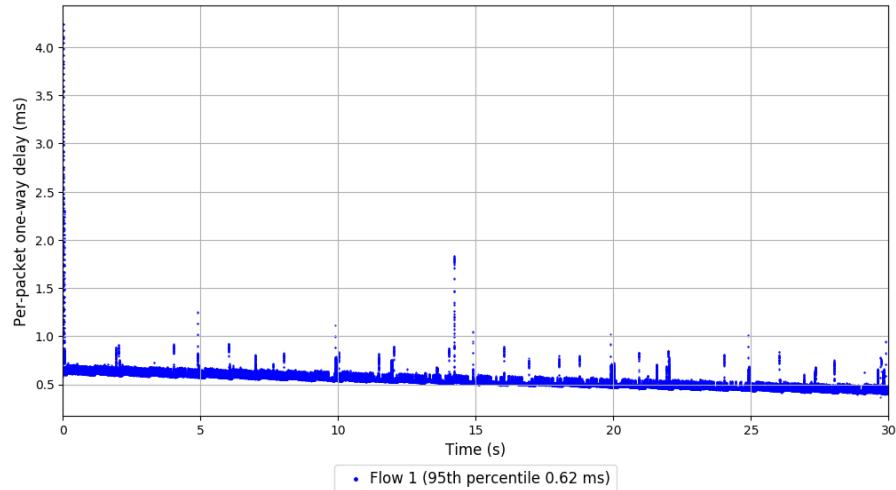
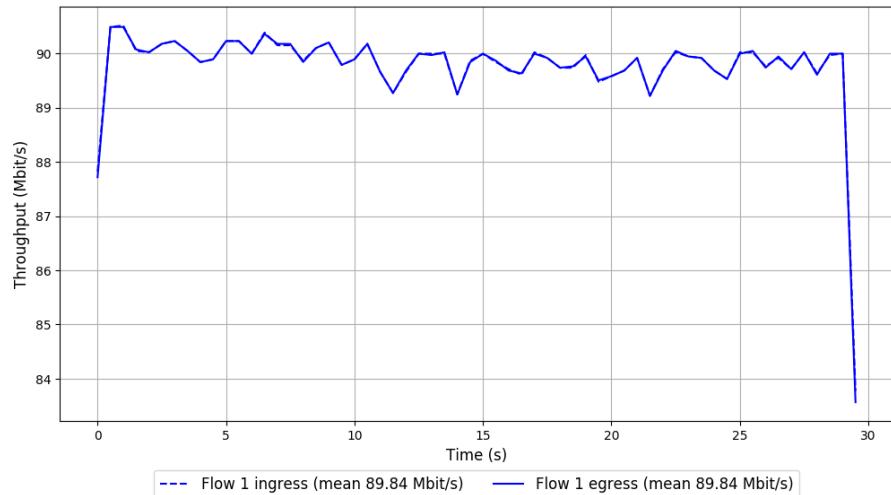


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-04-24 06:21:47
End at: 2018-04-24 06:22:17
Local clock offset: -12.114 ms
Remote clock offset: -6.873 ms

# Below is generated by plot.py at 2018-04-24 11:41:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 0.618 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 0.618 ms
Loss rate: 0.01%
```

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

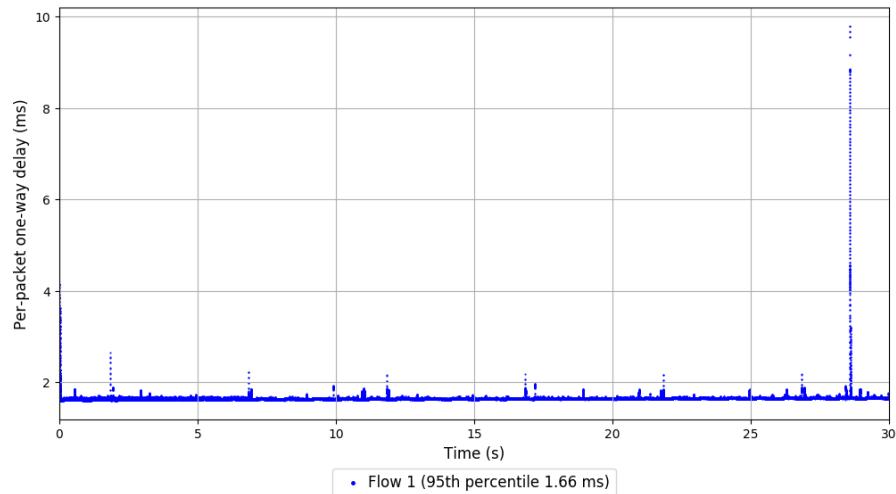
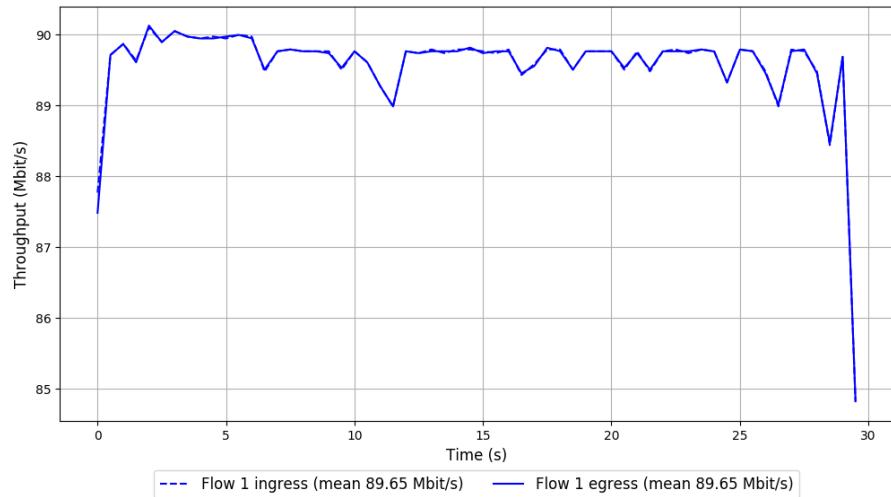


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-04-24 06:40:51
End at: 2018-04-24 06:41:21
Local clock offset: -9.411 ms
Remote clock offset: -6.93 ms

# Below is generated by plot.py at 2018-04-24 11:41:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 1.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 1.660 ms
Loss rate: 0.00%
```

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

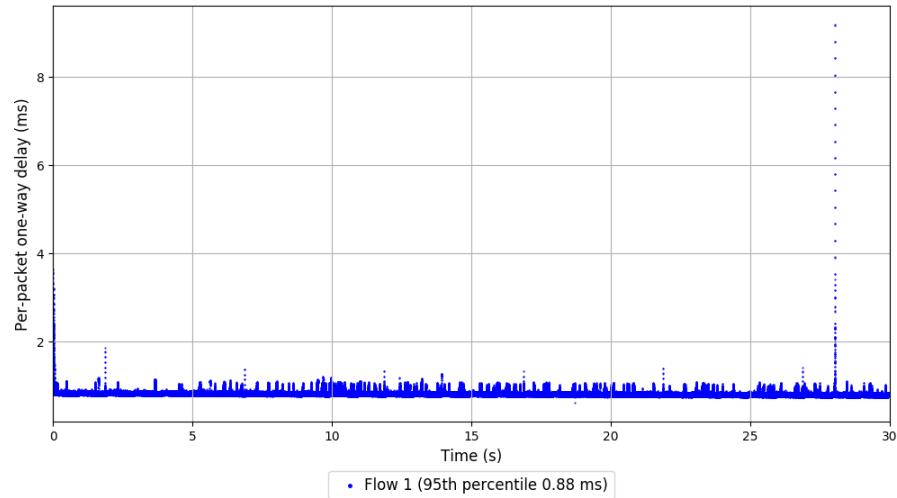
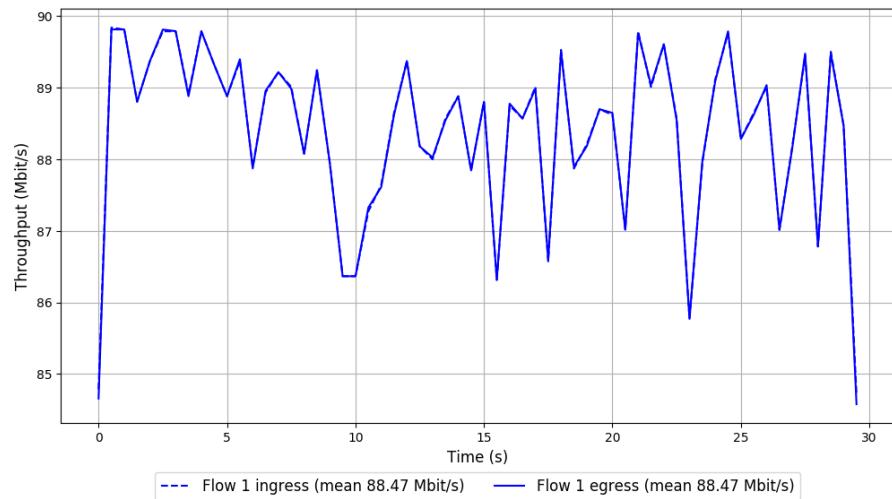


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-04-24 06:59:53
End at: 2018-04-24 07:00:23
Local clock offset: -8.565 ms
Remote clock offset: -6.947 ms

# Below is generated by plot.py at 2018-04-24 11:41:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 0.879 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 0.879 ms
Loss rate: 0.01%
```

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

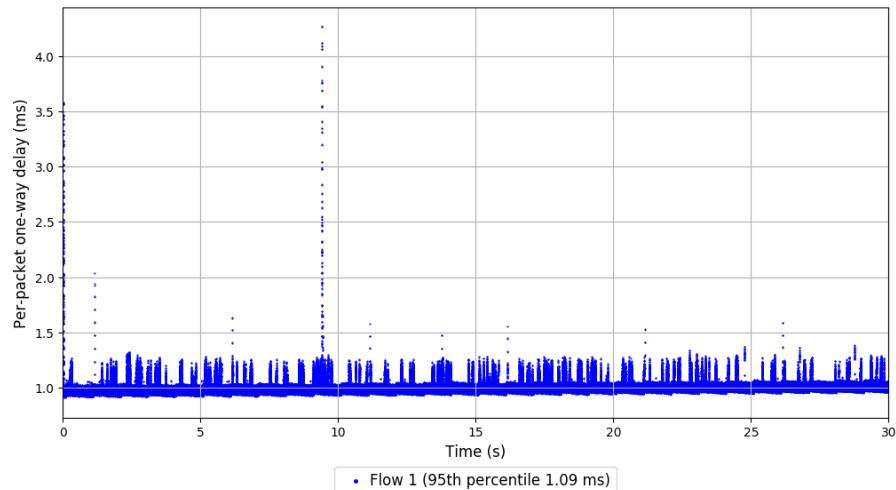
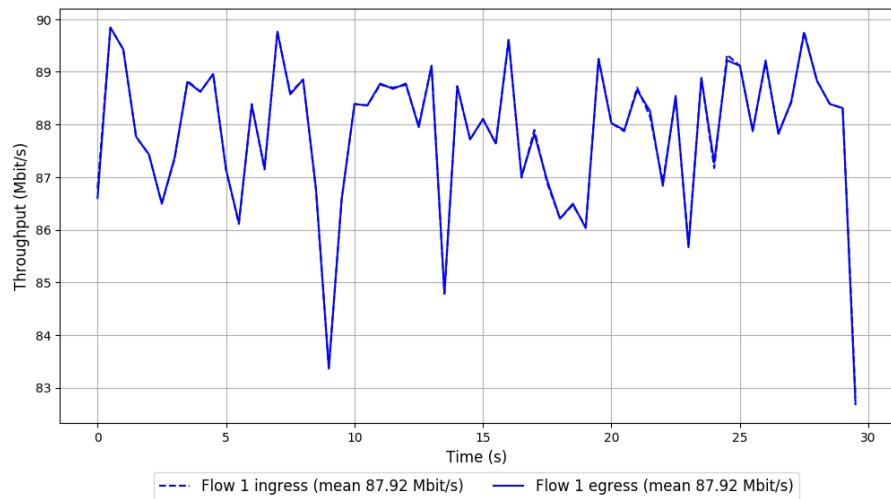


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-04-24 07:18:56
End at: 2018-04-24 07:19:26
Local clock offset: -8.456 ms
Remote clock offset: -6.725 ms

# Below is generated by plot.py at 2018-04-24 11:41:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.01%
```

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

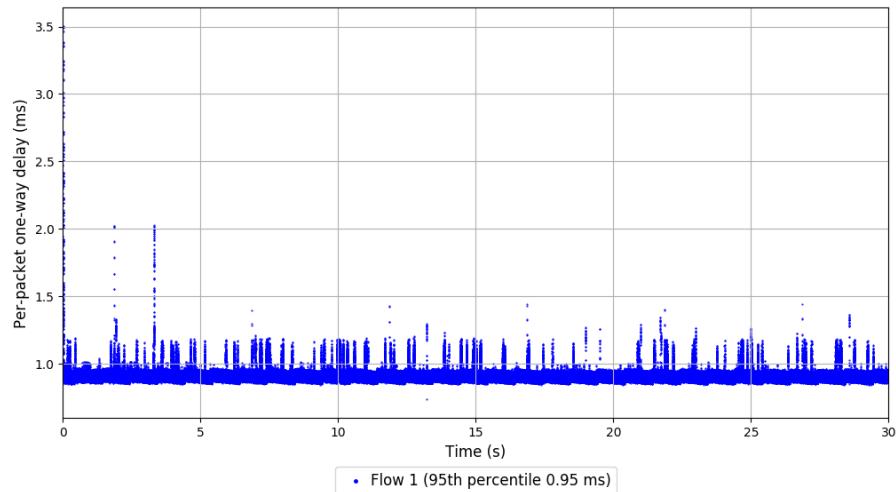
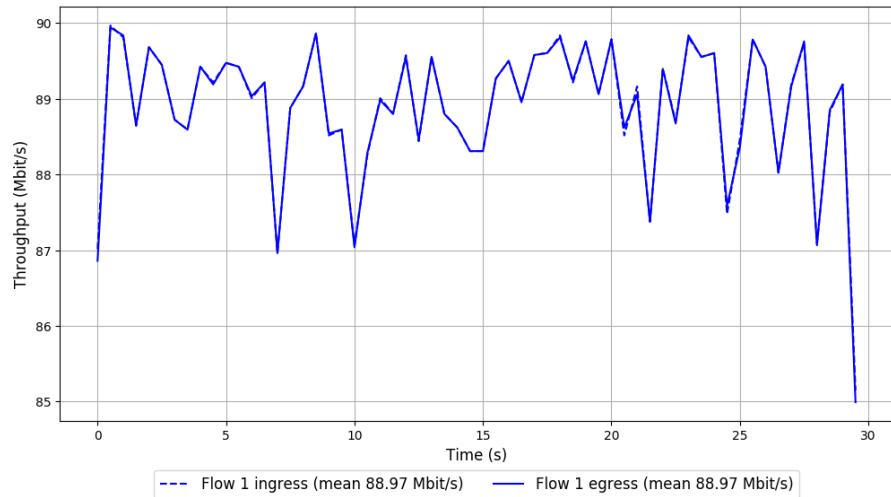


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-04-24 07:38:00
End at: 2018-04-24 07:38:30
Local clock offset: -7.07 ms
Remote clock offset: -6.211 ms

# Below is generated by plot.py at 2018-04-24 11:42:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.01%
```

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

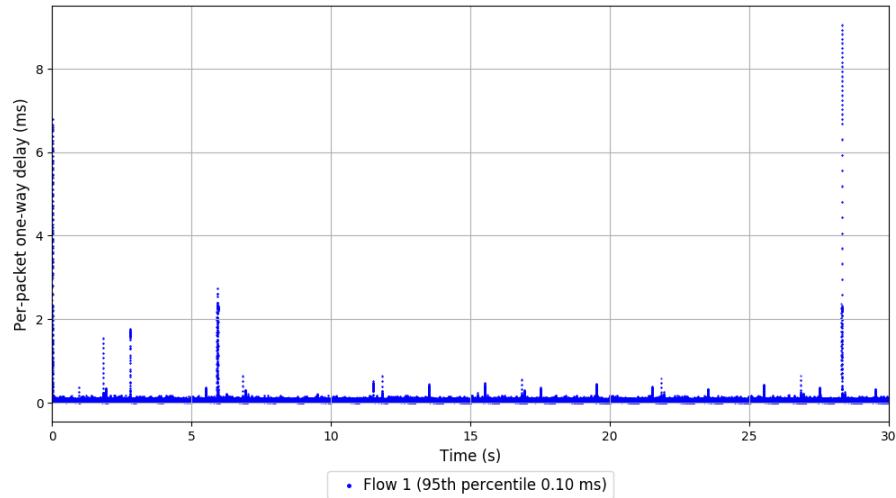
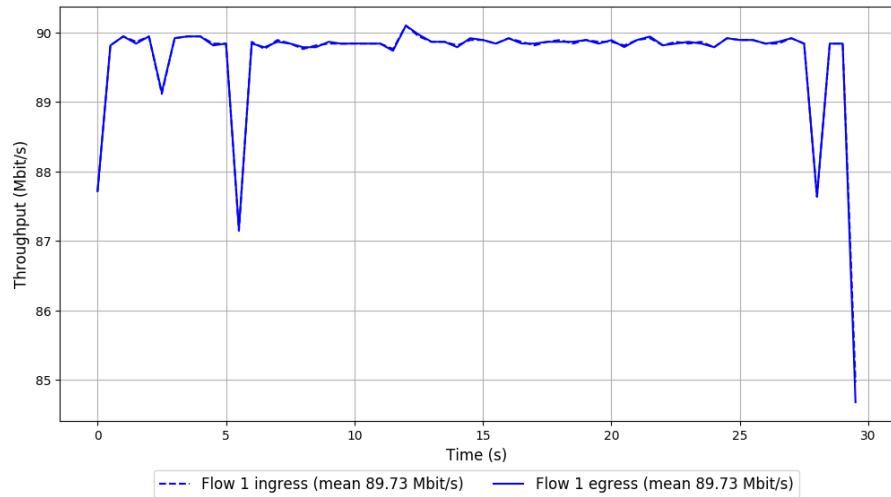


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-04-24 07:57:04
End at: 2018-04-24 07:57:34
Local clock offset: -7.981 ms
Remote clock offset: -6.49 ms

# Below is generated by plot.py at 2018-04-24 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: 0.097 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: 0.097 ms
Loss rate: 0.01%
```

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

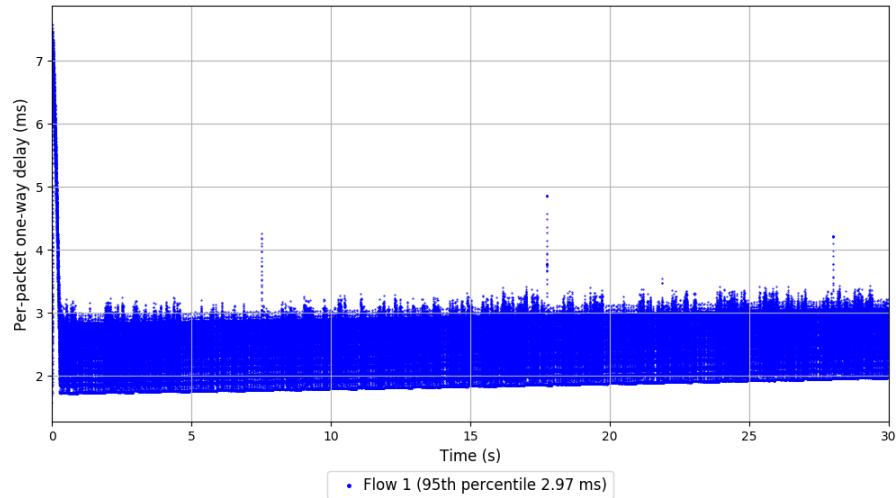
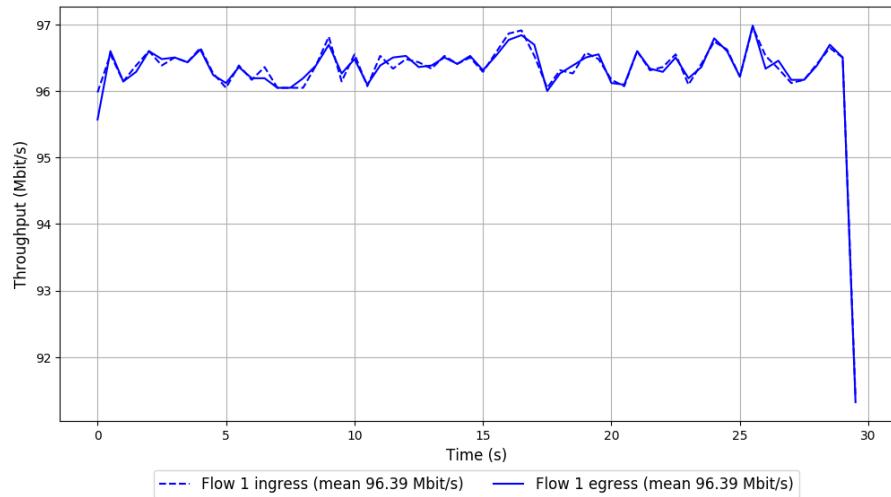


Run 1: Statistics of TCP Vegas

```
Start at: 2018-04-24 05:10:13
End at: 2018-04-24 05:10:43
Local clock offset: -7.223 ms
Remote clock offset: -6.719 ms

# Below is generated by plot.py at 2018-04-24 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 2.974 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 2.974 ms
Loss rate: 0.01%
```

Run 1: Report of TCP Vegas — Data Link

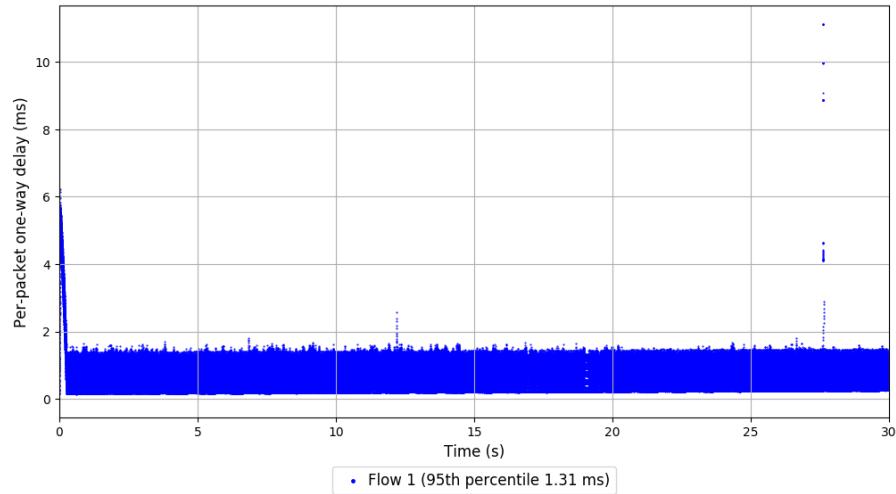
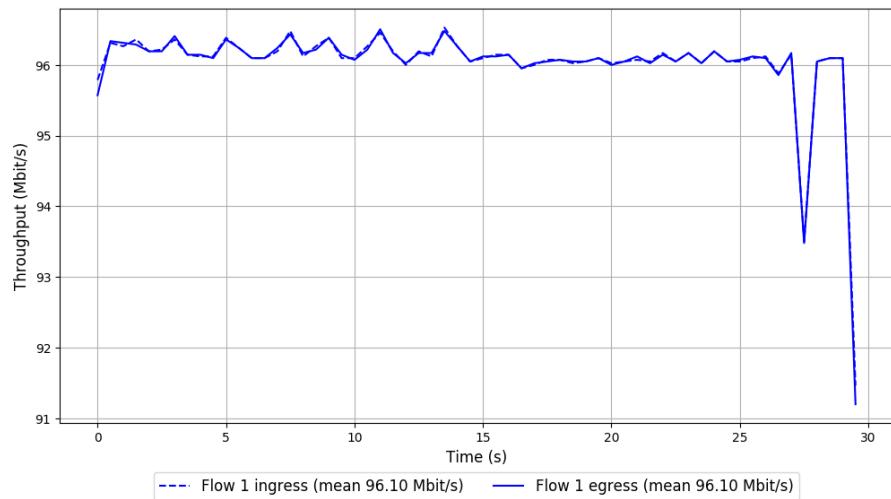


Run 2: Statistics of TCP Vegas

```
Start at: 2018-04-24 05:29:14
End at: 2018-04-24 05:29:44
Local clock offset: -10.948 ms
Remote clock offset: -6.61 ms

# Below is generated by plot.py at 2018-04-24 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.01%
```

Run 2: Report of TCP Vegas — Data Link

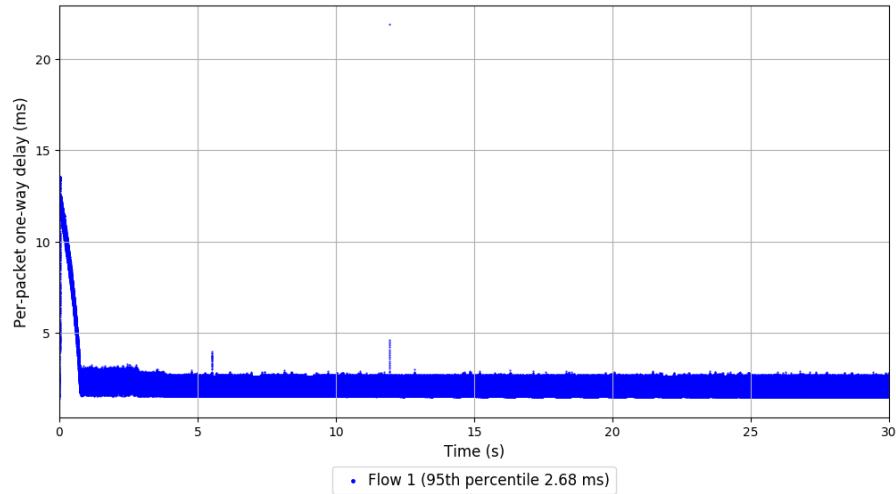
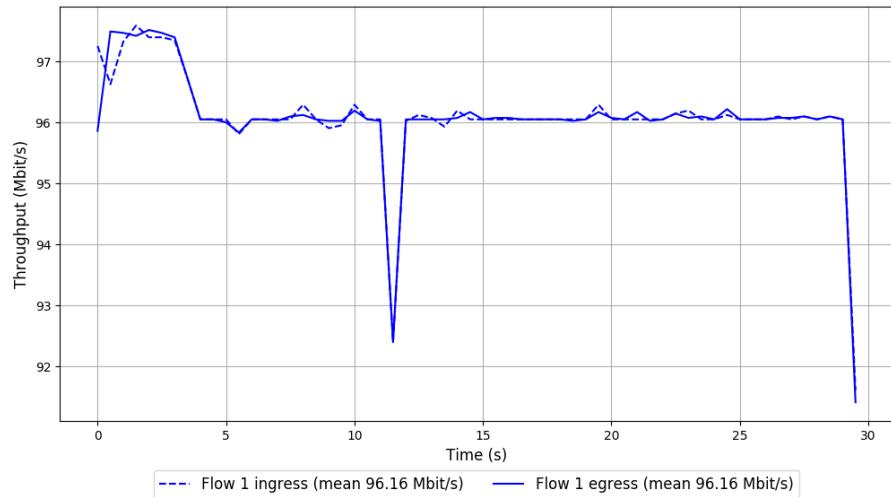


Run 3: Statistics of TCP Vegas

```
Start at: 2018-04-24 05:48:19
End at: 2018-04-24 05:48:49
Local clock offset: -9.783 ms
Remote clock offset: -6.532 ms

# Below is generated by plot.py at 2018-04-24 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 2.683 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 2.683 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Vegas — Data Link

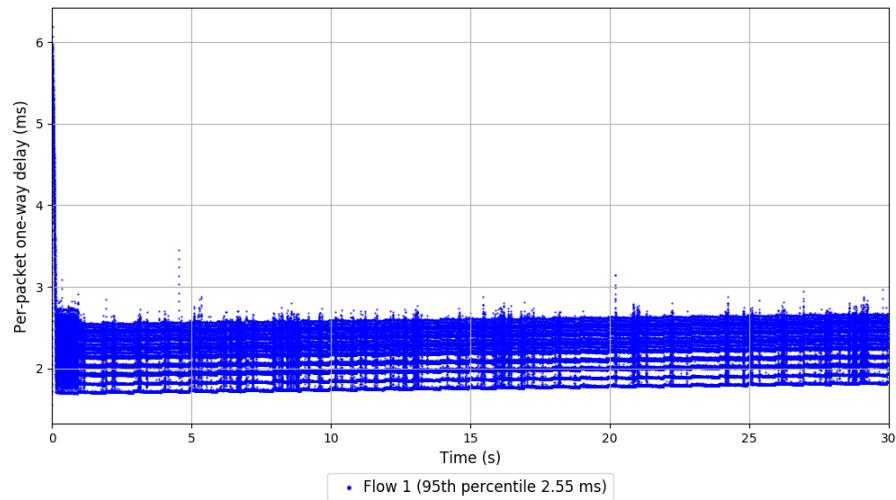
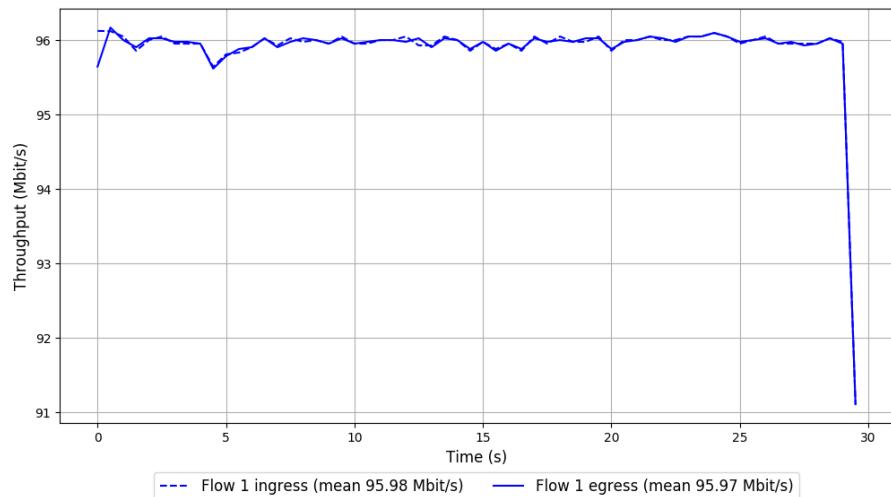


Run 4: Statistics of TCP Vegas

```
Start at: 2018-04-24 06:07:21
End at: 2018-04-24 06:07:51
Local clock offset: -12.594 ms
Remote clock offset: -6.495 ms

# Below is generated by plot.py at 2018-04-24 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 2.547 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 2.547 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

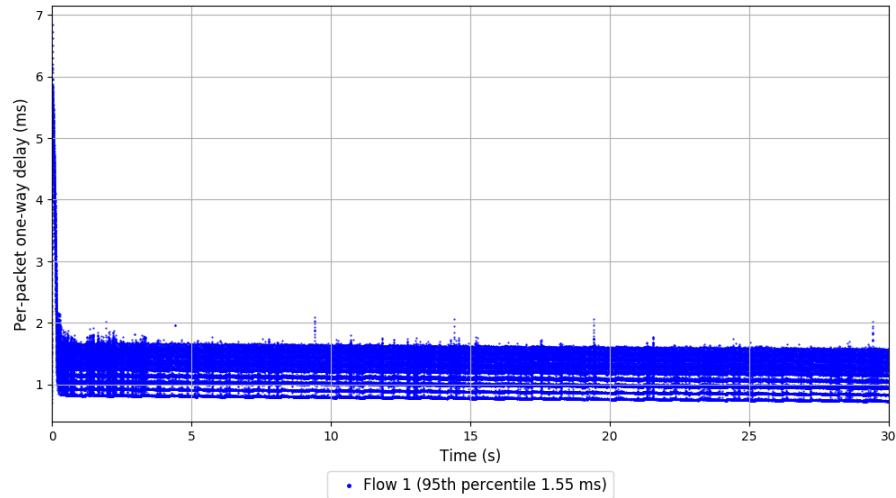
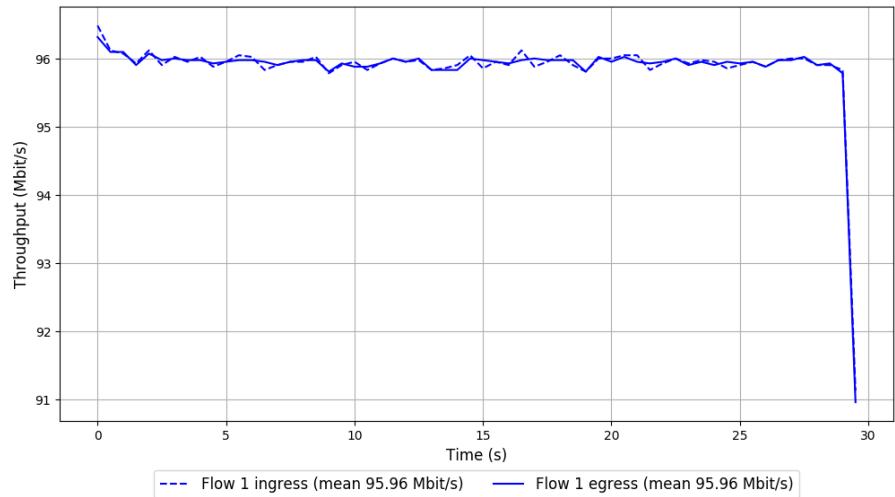


Run 5: Statistics of TCP Vegas

```
Start at: 2018-04-24 06:26:24
End at: 2018-04-24 06:26:54
Local clock offset: -10.627 ms
Remote clock offset: -6.96 ms

# Below is generated by plot.py at 2018-04-24 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 1.555 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 1.555 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link

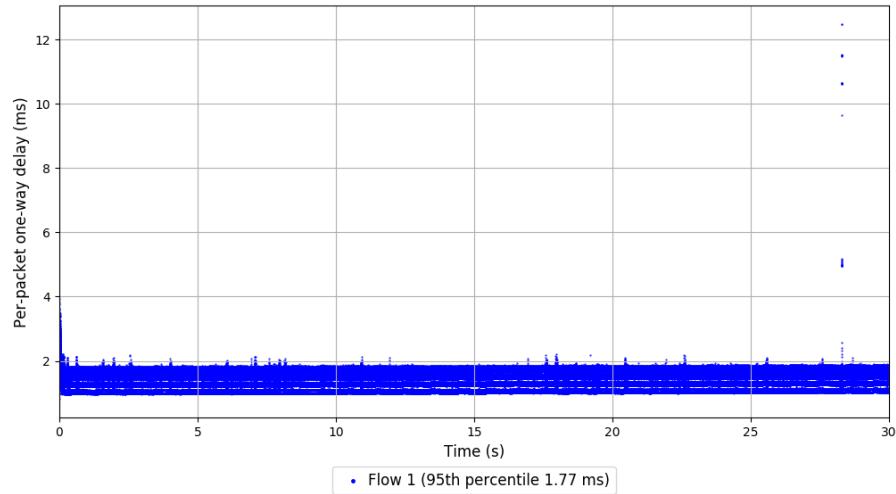
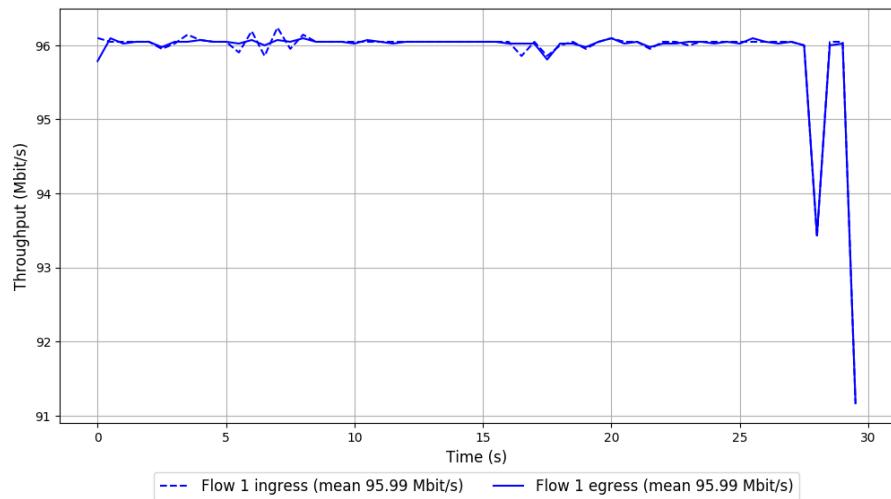


Run 6: Statistics of TCP Vegas

```
Start at: 2018-04-24 06:45:28
End at: 2018-04-24 06:45:58
Local clock offset: -10.493 ms
Remote clock offset: -7.002 ms

# Below is generated by plot.py at 2018-04-24 11:42:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 1.768 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 1.768 ms
Loss rate: 0.01%
```

Run 6: Report of TCP Vegas — Data Link

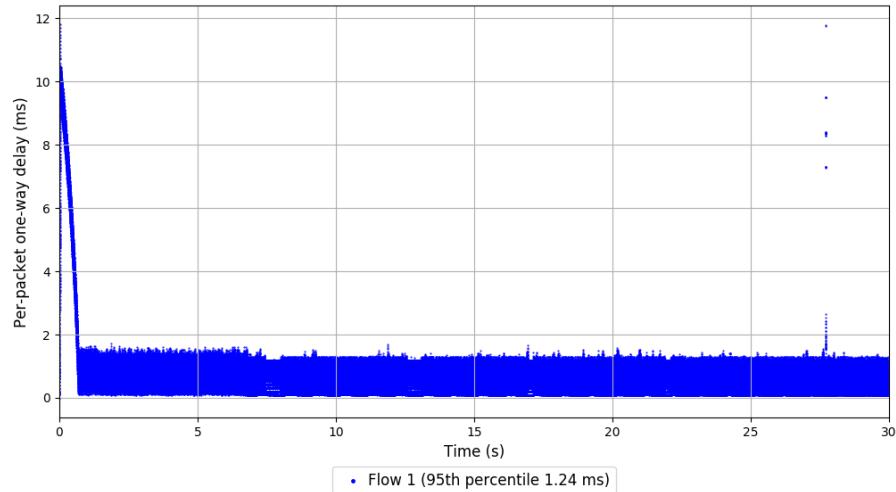
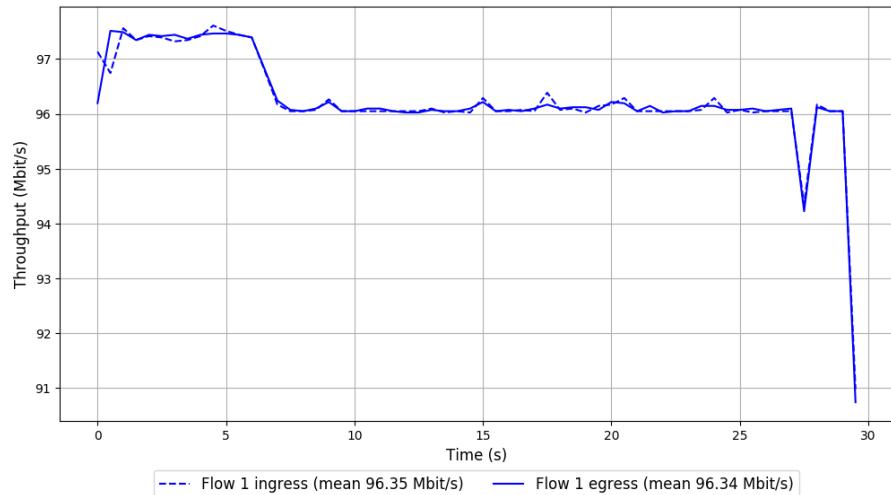


Run 7: Statistics of TCP Vegas

```
Start at: 2018-04-24 07:04:30
End at: 2018-04-24 07:05:00
Local clock offset: -8.99 ms
Remote clock offset: -6.928 ms

# Below is generated by plot.py at 2018-04-24 11:43:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.01%
```

Run 7: Report of TCP Vegas — Data Link

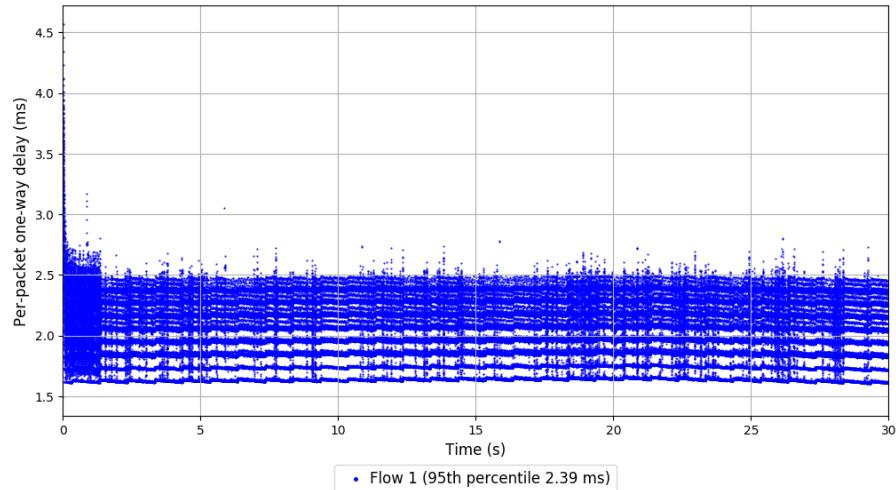
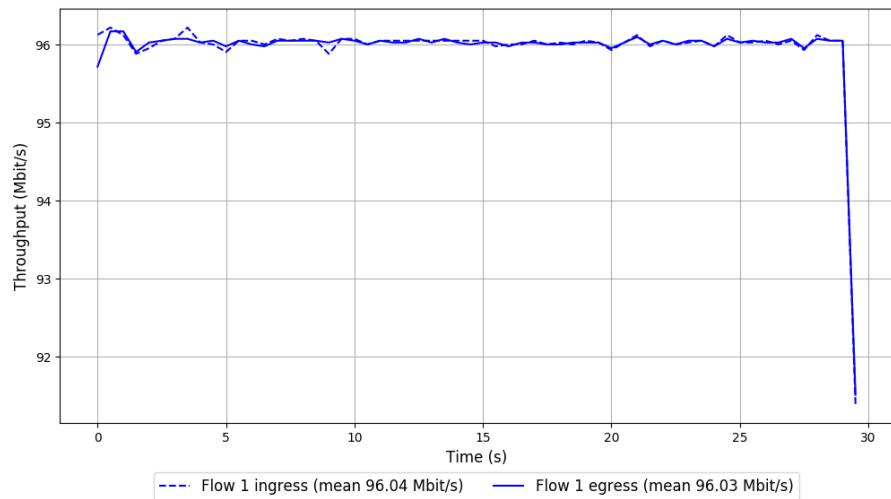


Run 8: Statistics of TCP Vegas

```
Start at: 2018-04-24 07:23:33
End at: 2018-04-24 07:24:03
Local clock offset: -7.918 ms
Remote clock offset: -6.461 ms

# Below is generated by plot.py at 2018-04-24 11:43:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 2.392 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 2.392 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Vegas — Data Link

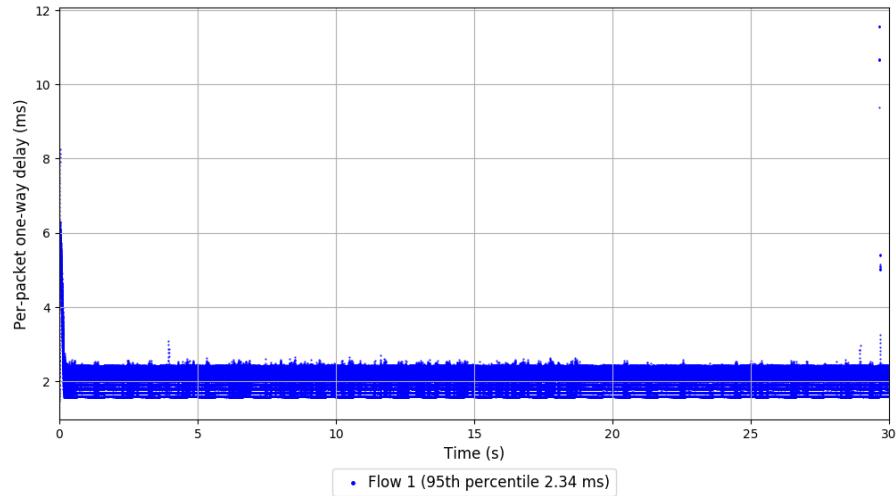
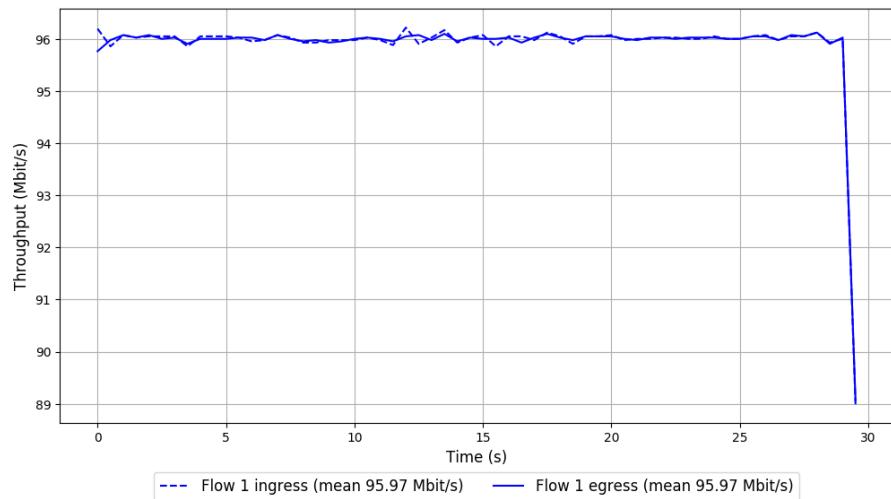


Run 9: Statistics of TCP Vegas

```
Start at: 2018-04-24 07:42:37
End at: 2018-04-24 07:43:07
Local clock offset: -6.274 ms
Remote clock offset: -6.137 ms

# Below is generated by plot.py at 2018-04-24 11:43:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 2.338 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 2.338 ms
Loss rate: 0.01%
```

Run 9: Report of TCP Vegas — Data Link

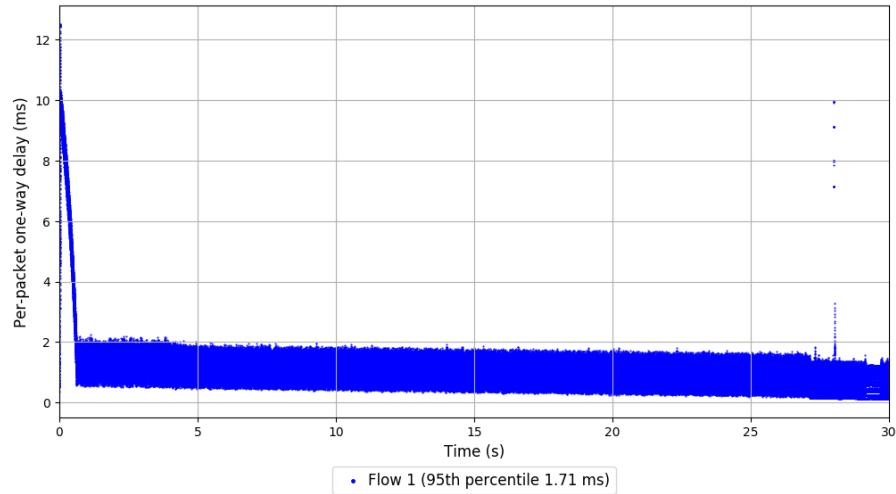
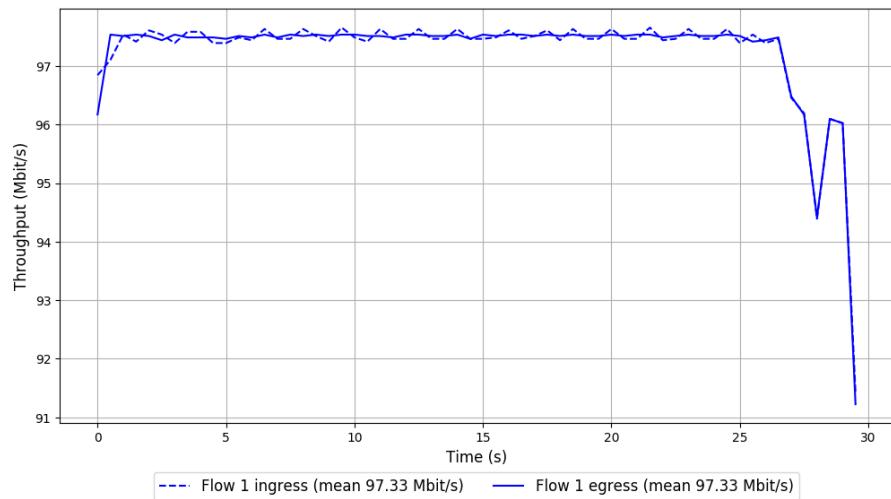


Run 10: Statistics of TCP Vegas

```
Start at: 2018-04-24 08:01:40
End at: 2018-04-24 08:02:10
Local clock offset: -4.025 ms
Remote clock offset: -6.595 ms

# Below is generated by plot.py at 2018-04-24 11:43:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 1.708 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 1.708 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Vegas — Data Link

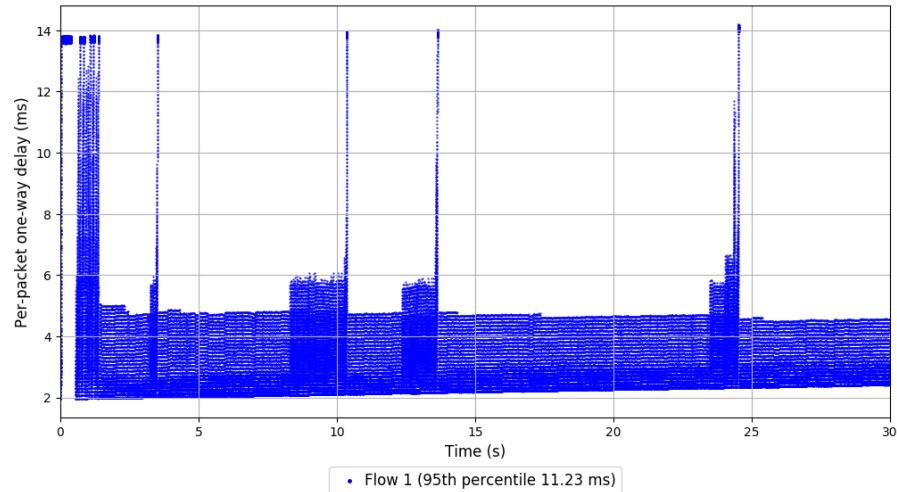
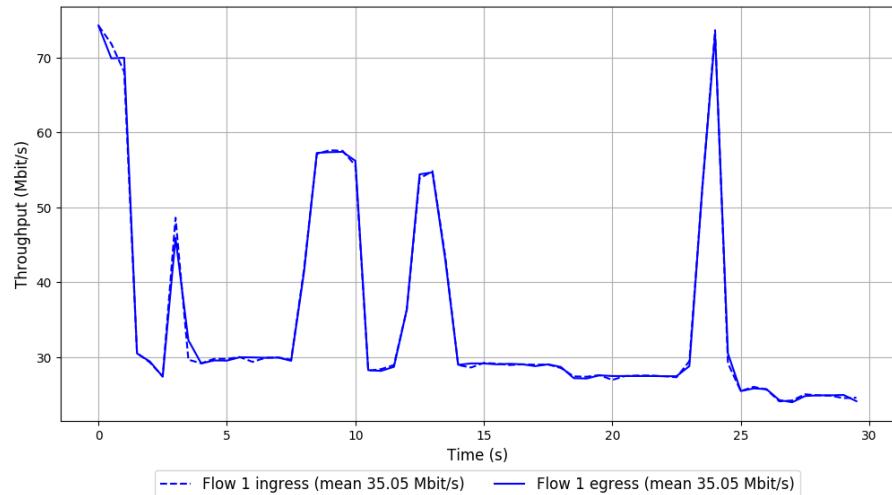


Run 1: Statistics of Verus

```
Start at: 2018-04-24 05:13:28
End at: 2018-04-24 05:13:58
Local clock offset: -9.488 ms
Remote clock offset: -6.699 ms

# Below is generated by plot.py at 2018-04-24 11:43:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 11.234 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 11.234 ms
Loss rate: 0.02%
```

Run 1: Report of Verus — Data Link

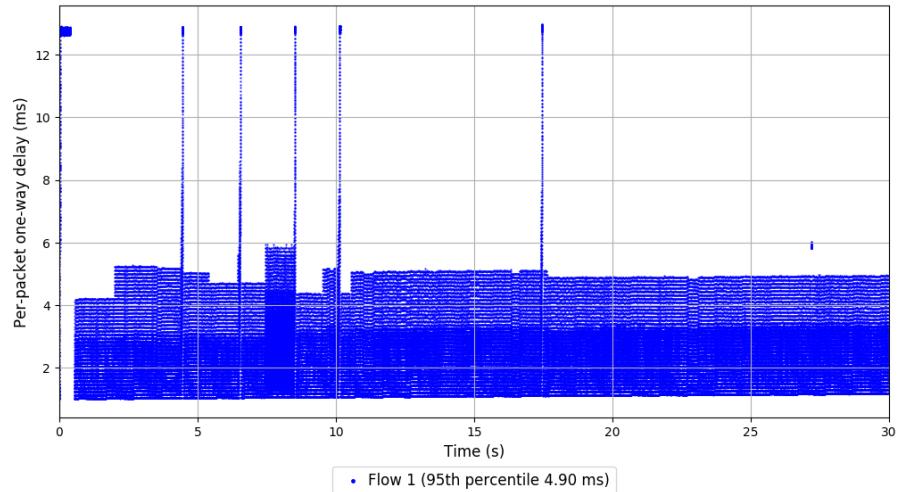
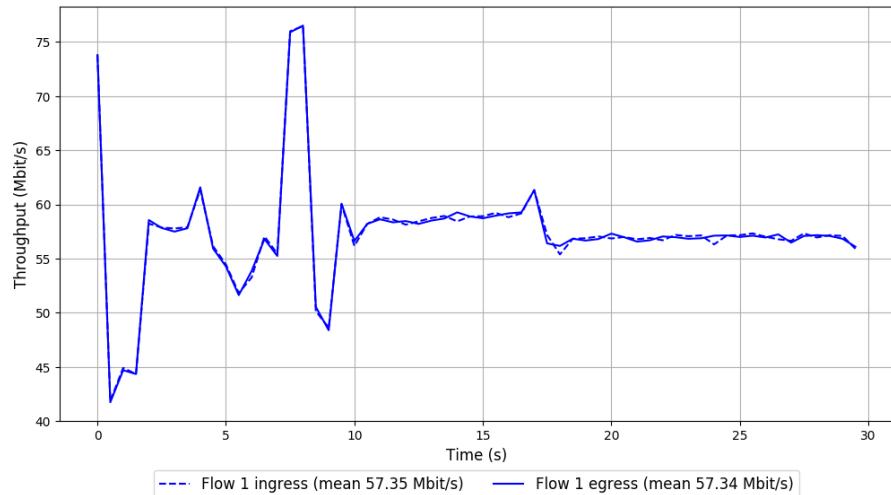


Run 2: Statistics of Verus

```
Start at: 2018-04-24 05:32:29
End at: 2018-04-24 05:32:59
Local clock offset: -10.935 ms
Remote clock offset: -6.597 ms

# Below is generated by plot.py at 2018-04-24 11:43:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 4.901 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 4.901 ms
Loss rate: 0.01%
```

Run 2: Report of Verus — Data Link

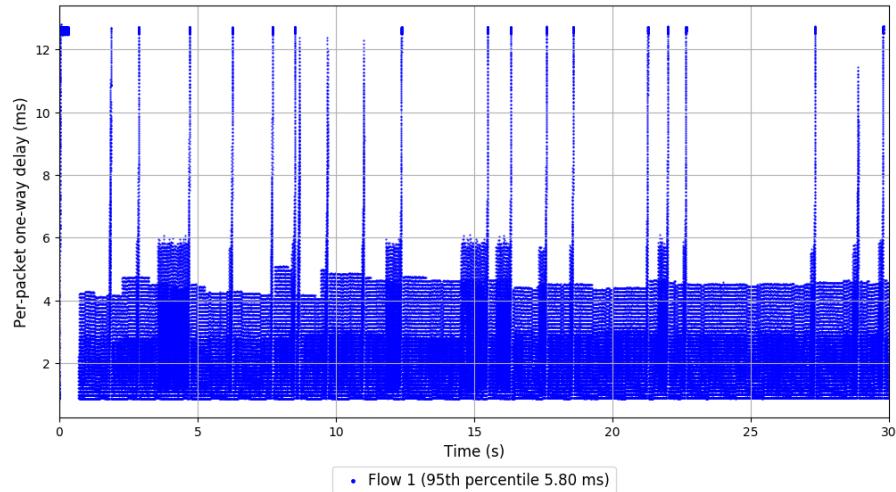
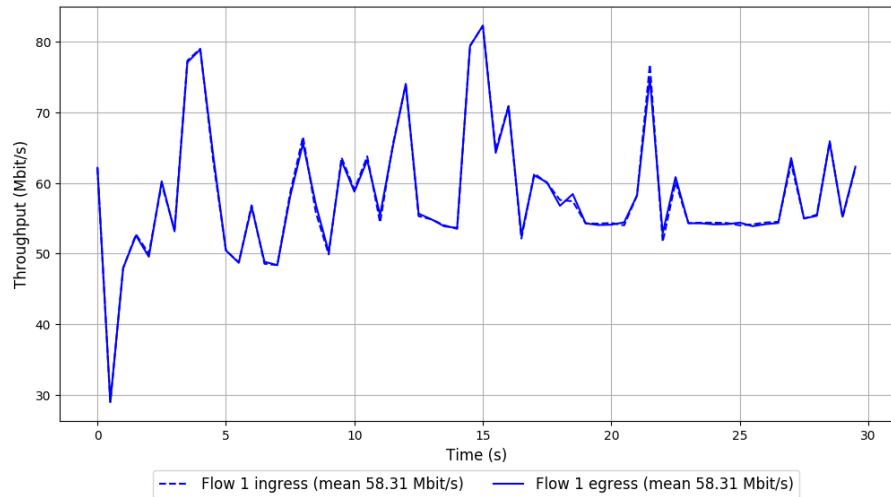


Run 3: Statistics of Verus

```
Start at: 2018-04-24 05:51:34
End at: 2018-04-24 05:52:04
Local clock offset: -10.36 ms
Remote clock offset: -6.525 ms

# Below is generated by plot.py at 2018-04-24 11:43:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 5.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 5.800 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link

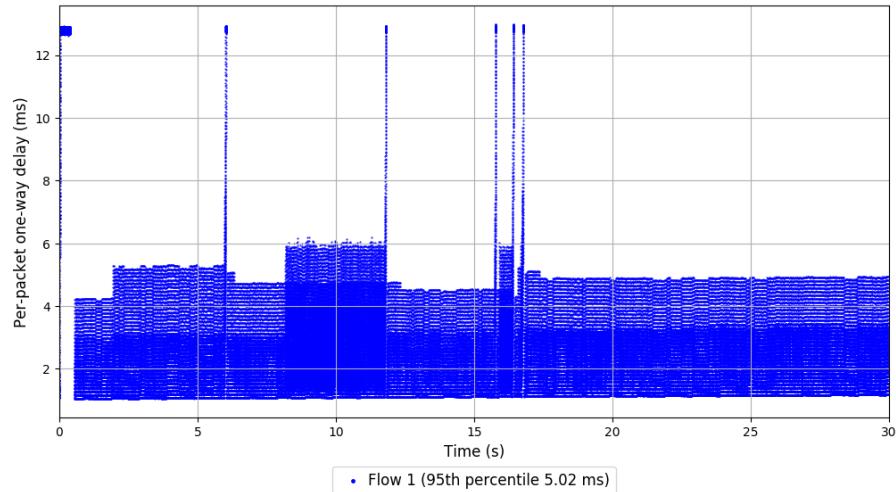
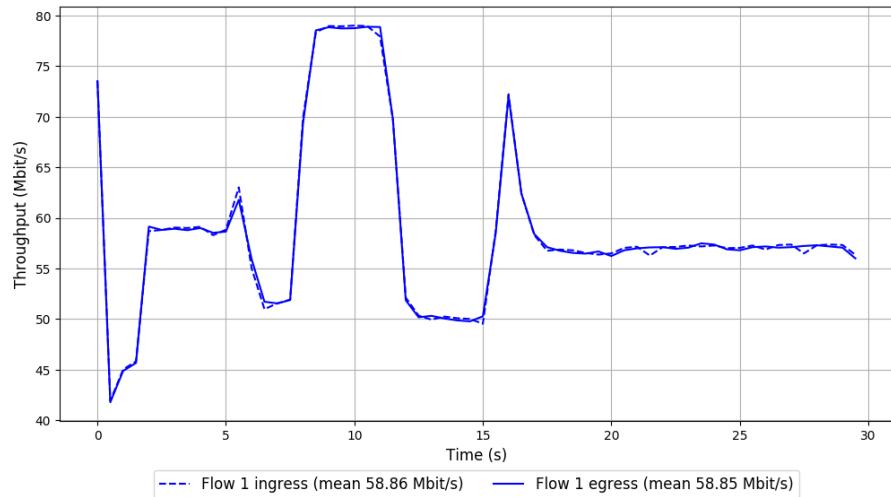


Run 4: Statistics of Verus

```
Start at: 2018-04-24 06:10:36
End at: 2018-04-24 06:11:06
Local clock offset: -14.22 ms
Remote clock offset: -6.652 ms

# Below is generated by plot.py at 2018-04-24 11:43:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 5.020 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 5.020 ms
Loss rate: 0.02%
```

Run 4: Report of Verus — Data Link

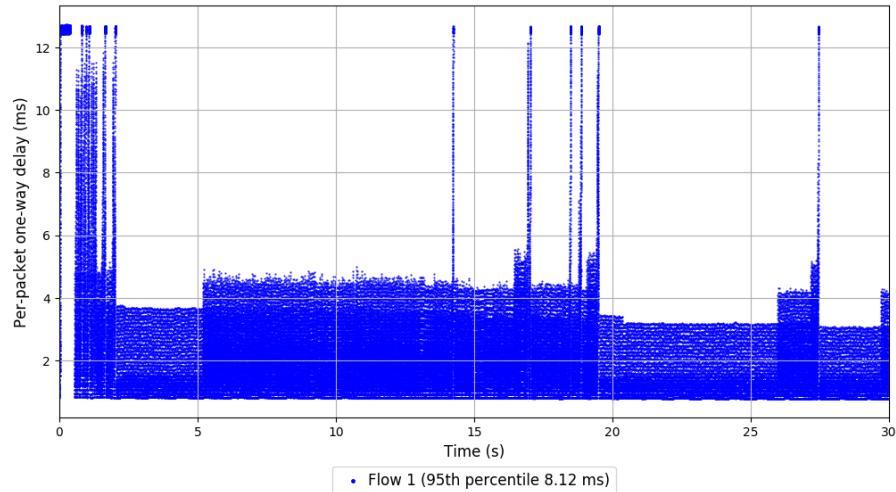
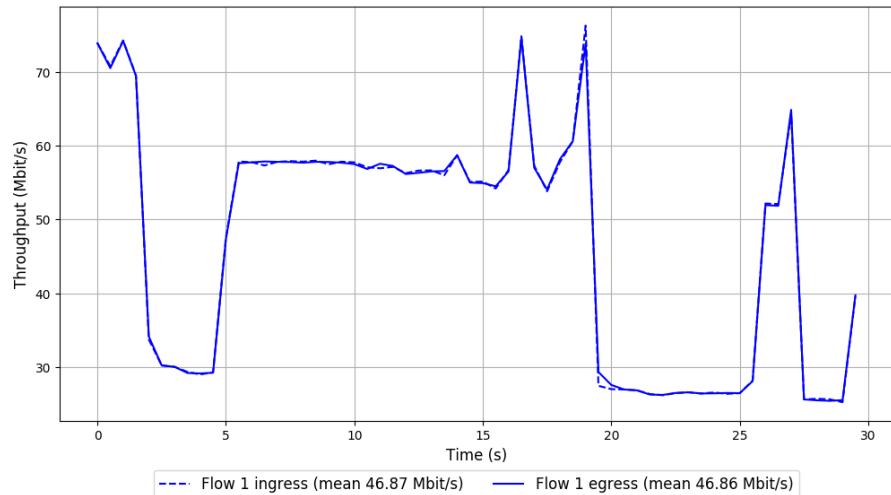


Run 5: Statistics of Verus

```
Start at: 2018-04-24 06:29:39
End at: 2018-04-24 06:30:09
Local clock offset: -10.116 ms
Remote clock offset: -6.905 ms

# Below is generated by plot.py at 2018-04-24 11:43:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 8.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 8.116 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

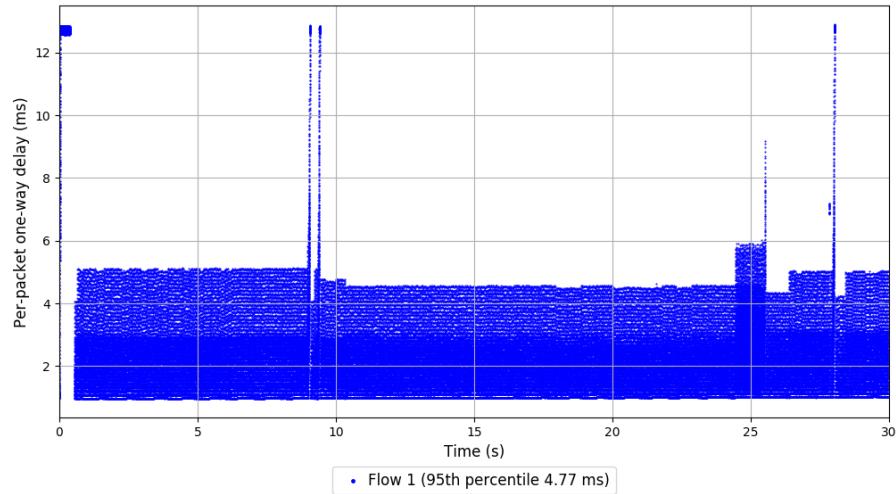
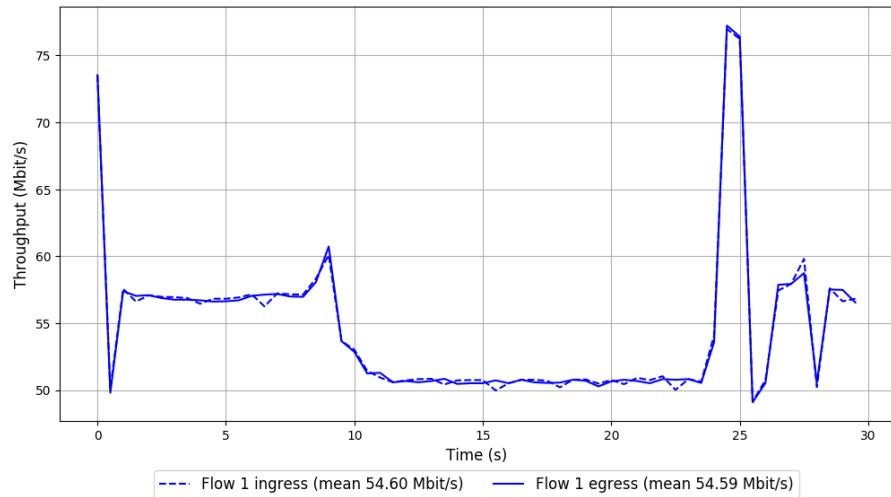


Run 6: Statistics of Verus

```
Start at: 2018-04-24 06:48:43
End at: 2018-04-24 06:49:13
Local clock offset: -10.79 ms
Remote clock offset: -6.953 ms

# Below is generated by plot.py at 2018-04-24 11:44:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: 4.771 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: 4.771 ms
Loss rate: 0.01%
```

Run 6: Report of Verus — Data Link

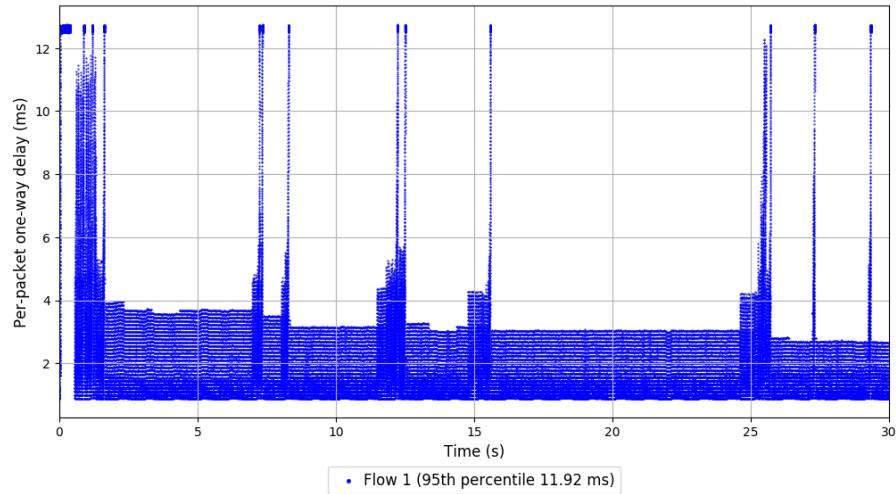
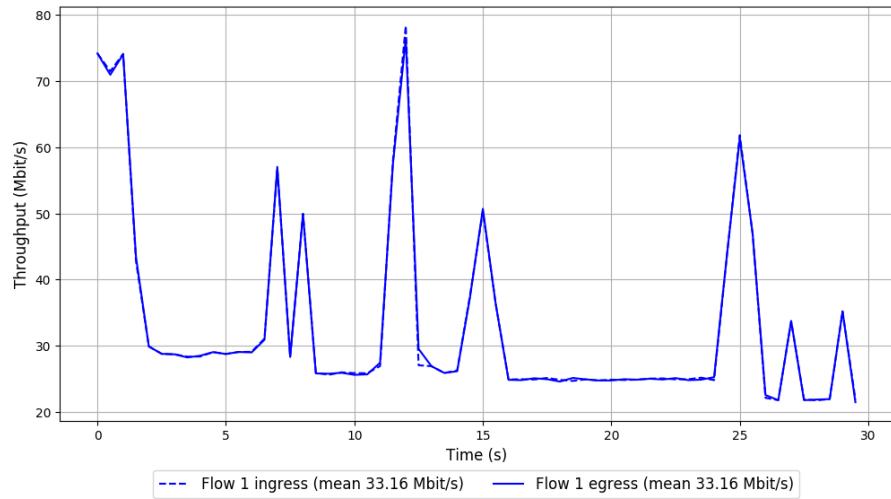


Run 7: Statistics of Verus

```
Start at: 2018-04-24 07:07:45
End at: 2018-04-24 07:08:15
Local clock offset: -8.145 ms
Remote clock offset: -6.946 ms

# Below is generated by plot.py at 2018-04-24 11:44:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 11.924 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 11.924 ms
Loss rate: 0.02%
```

Run 7: Report of Verus — Data Link

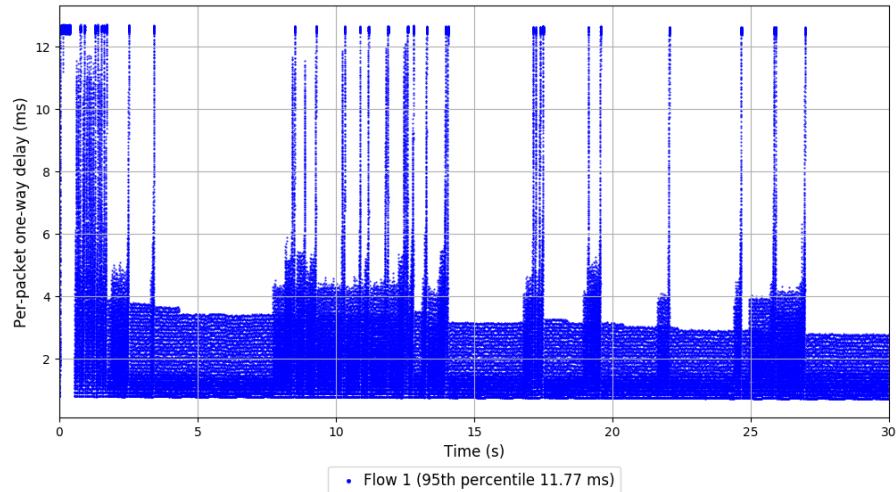
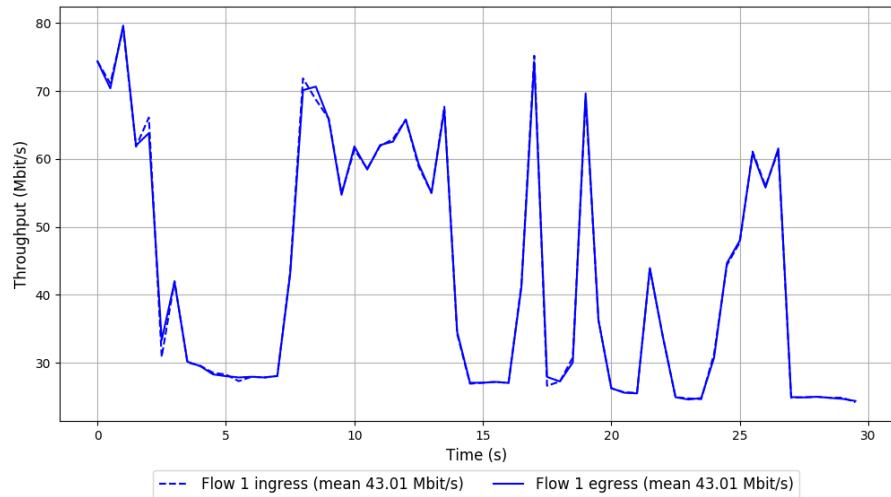


Run 8: Statistics of Verus

```
Start at: 2018-04-24 07:26:48
End at: 2018-04-24 07:27:18
Local clock offset: -8.185 ms
Remote clock offset: -6.47 ms

# Below is generated by plot.py at 2018-04-24 11:44:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 11.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 11.766 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link

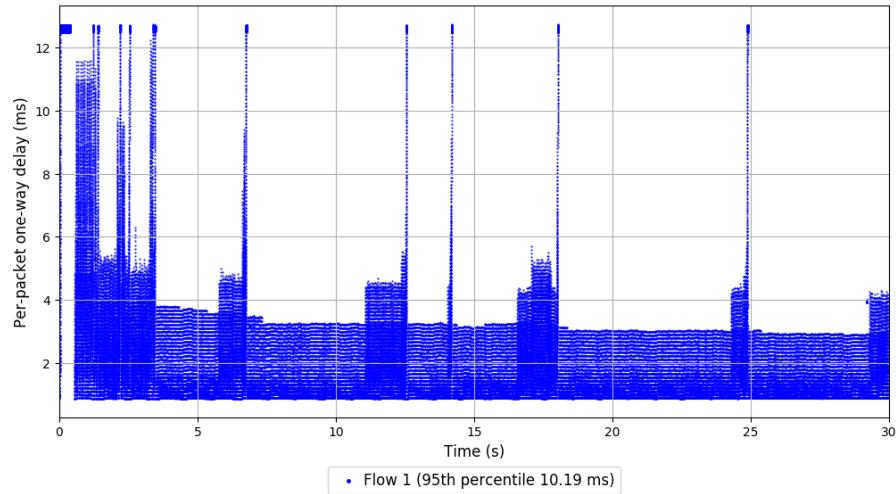
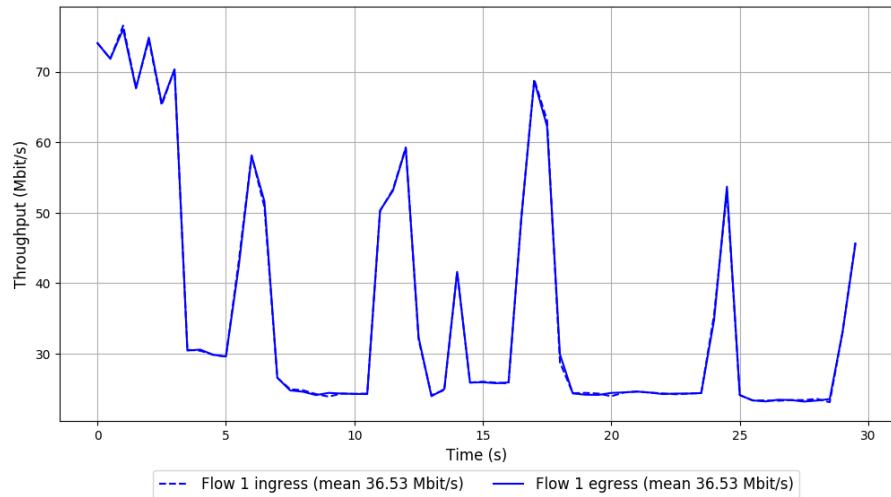


Run 9: Statistics of Verus

```
Start at: 2018-04-24 07:45:52
End at: 2018-04-24 07:46:22
Local clock offset: -6.986 ms
Remote clock offset: -6.109 ms

# Below is generated by plot.py at 2018-04-24 11:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 10.185 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 10.185 ms
Loss rate: 0.01%
```

Run 9: Report of Verus — Data Link

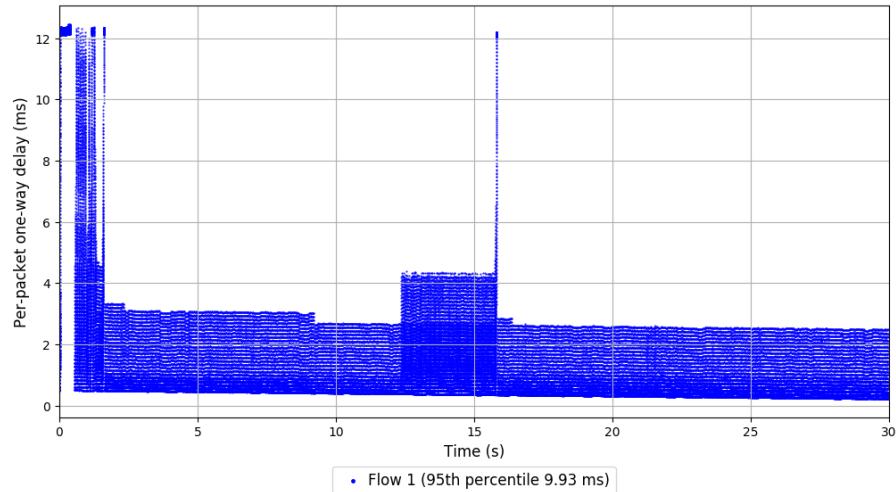
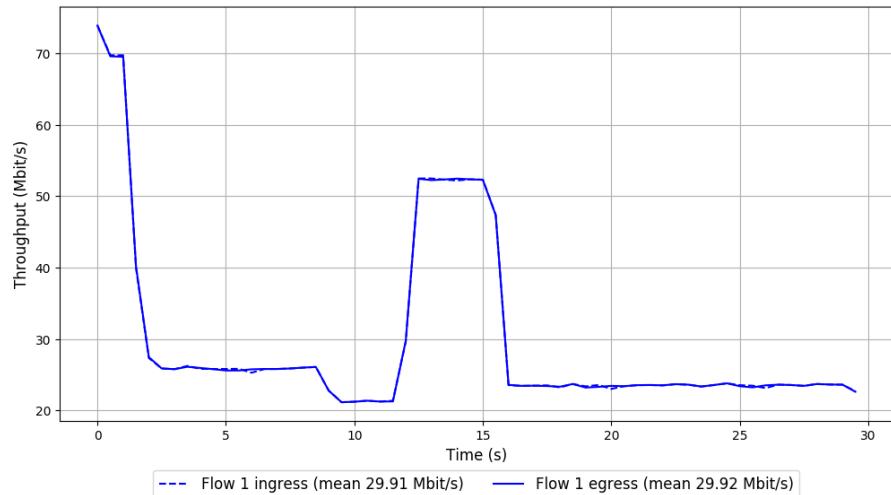


Run 10: Statistics of Verus

```
Start at: 2018-04-24 08:04:55
End at: 2018-04-24 08:05:25
Local clock offset: -1.814 ms
Remote clock offset: -6.639 ms

# Below is generated by plot.py at 2018-04-24 11:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 9.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 9.930 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link

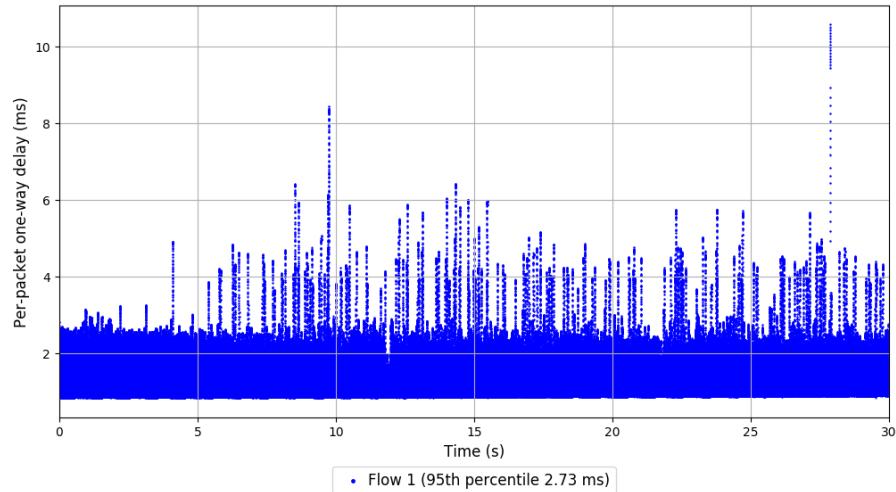
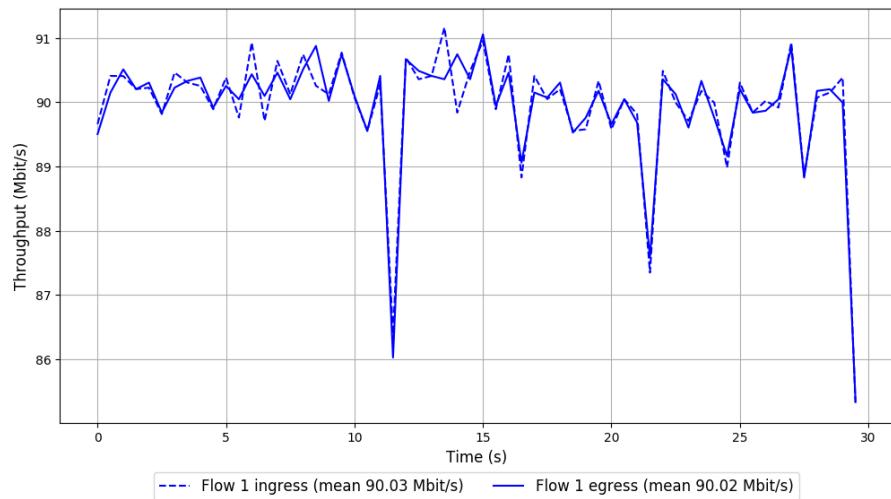


Run 1: Statistics of Copa

```
Start at: 2018-04-24 05:16:49
End at: 2018-04-24 05:17:19
Local clock offset: -9.457 ms
Remote clock offset: -6.723 ms

# Below is generated by plot.py at 2018-04-24 11:46:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 2.733 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 2.733 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

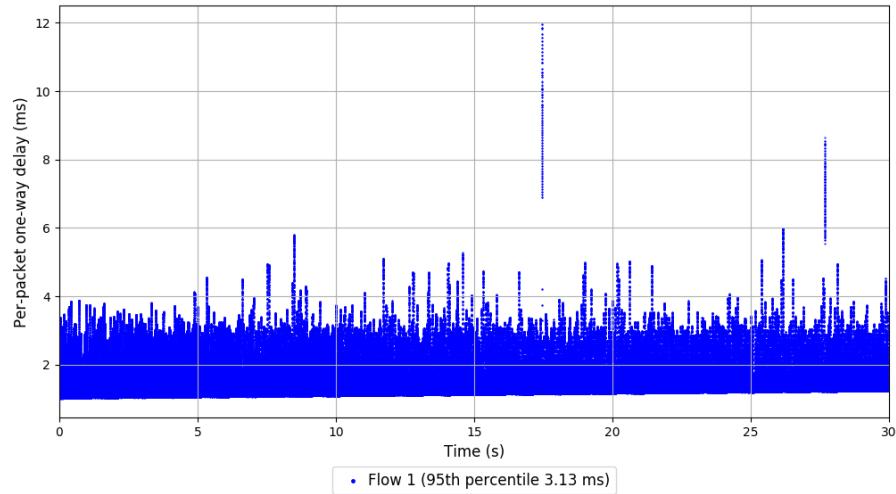
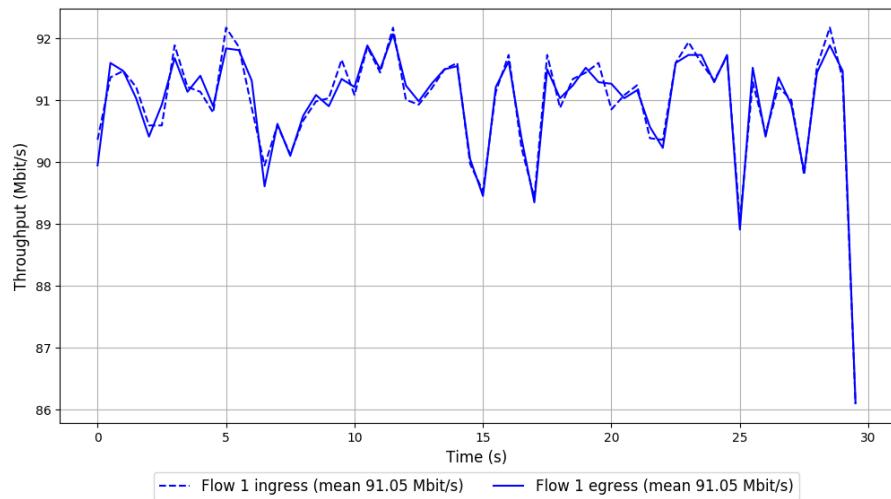


Run 2: Statistics of Copa

```
Start at: 2018-04-24 05:35:54
End at: 2018-04-24 05:36:24
Local clock offset: -12.269 ms
Remote clock offset: -6.657 ms

# Below is generated by plot.py at 2018-04-24 11:46:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 3.131 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 3.131 ms
Loss rate: 0.01%
```

Run 2: Report of Copa — Data Link

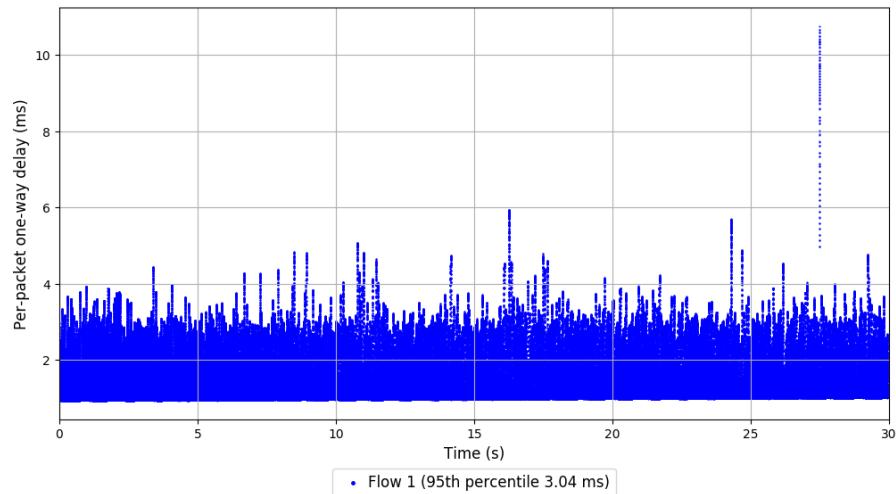
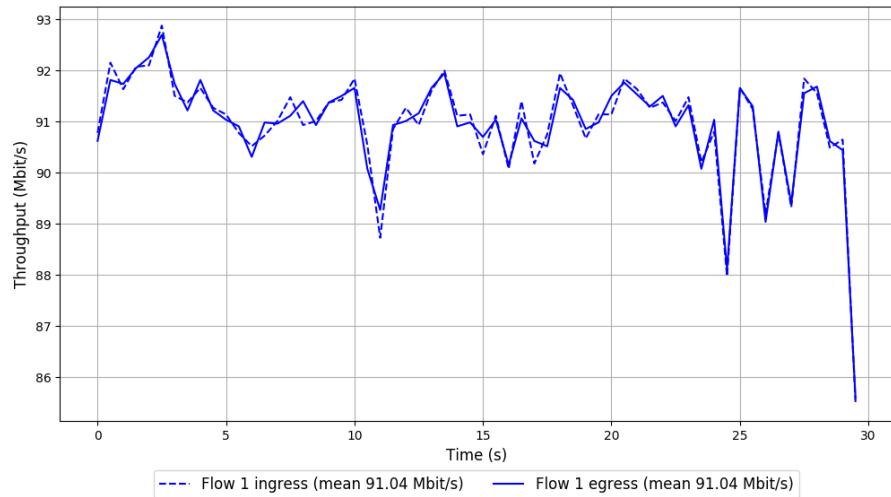


Run 3: Statistics of Copa

```
Start at: 2018-04-24 05:54:56
End at: 2018-04-24 05:55:26
Local clock offset: -10.584 ms
Remote clock offset: -6.489 ms

# Below is generated by plot.py at 2018-04-24 11:46:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 3.038 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 3.038 ms
Loss rate: 0.01%
```

Run 3: Report of Copa — Data Link

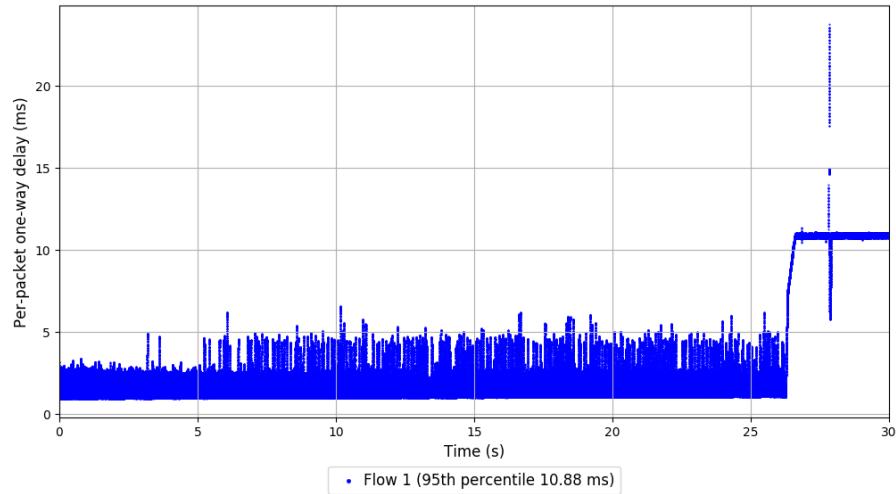
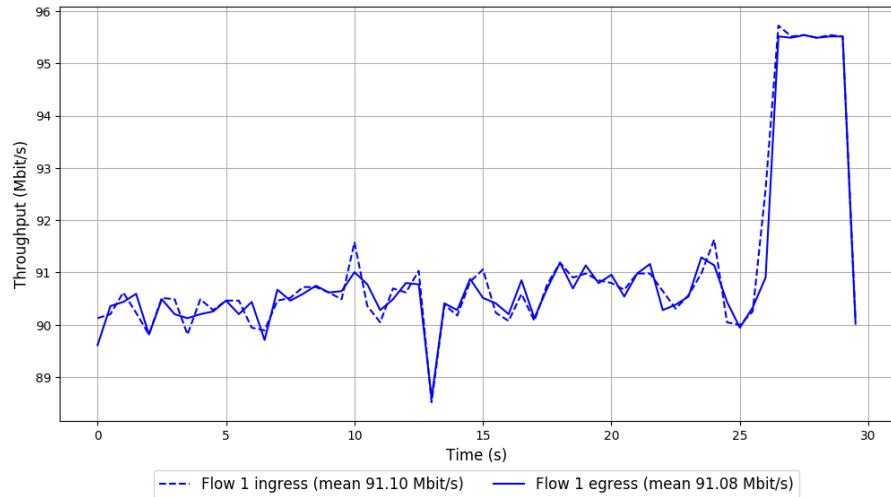


Run 4: Statistics of Copa

```
Start at: 2018-04-24 06:13:59
End at: 2018-04-24 06:14:29
Local clock offset: -15.363 ms
Remote clock offset: -6.752 ms

# Below is generated by plot.py at 2018-04-24 11:46:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 10.882 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 10.882 ms
Loss rate: 0.04%
```

Run 4: Report of Copa — Data Link

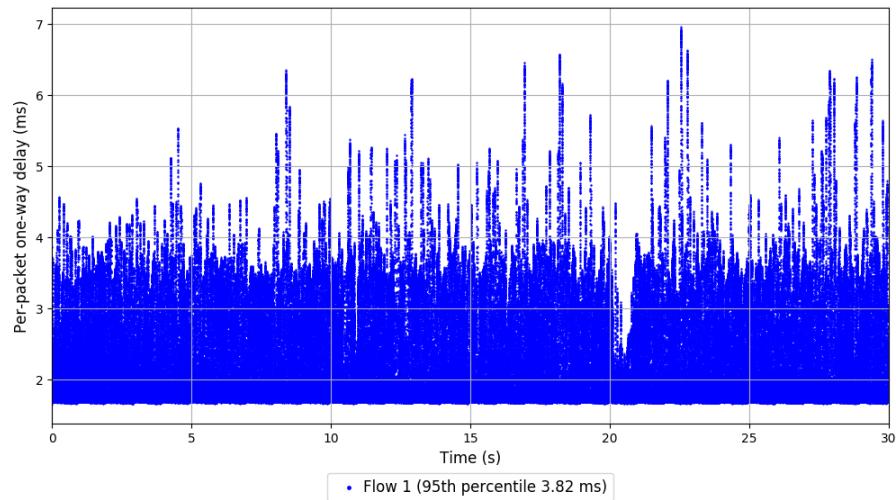
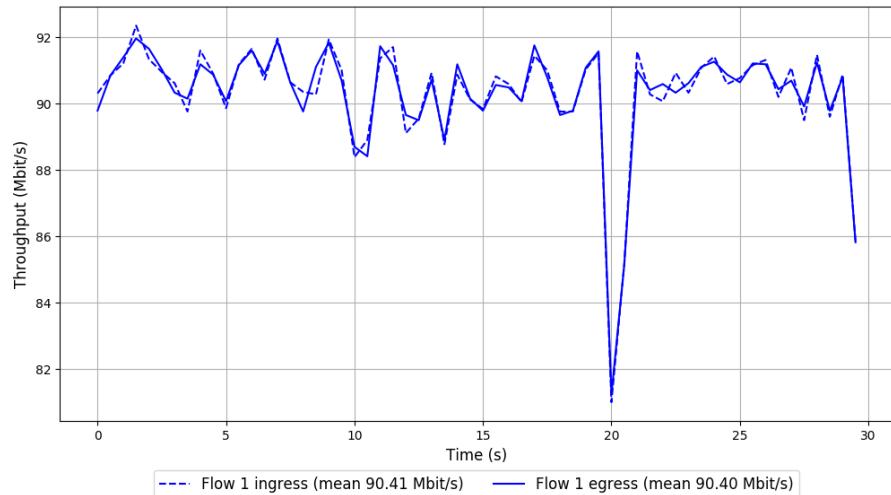


Run 5: Statistics of Copa

```
Start at: 2018-04-24 06:33:03
End at: 2018-04-24 06:33:33
Local clock offset: -9.171 ms
Remote clock offset: -7.005 ms

# Below is generated by plot.py at 2018-04-24 11:46:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 3.824 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 3.824 ms
Loss rate: 0.01%
```

Run 5: Report of Copa — Data Link

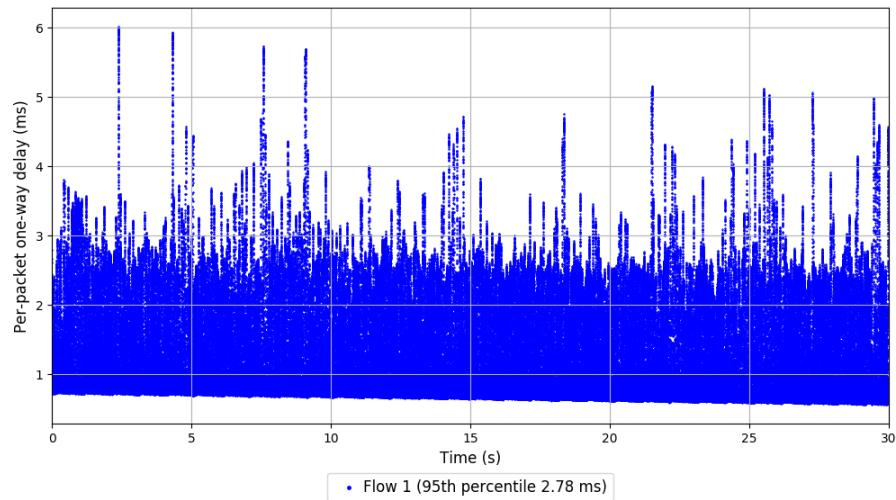
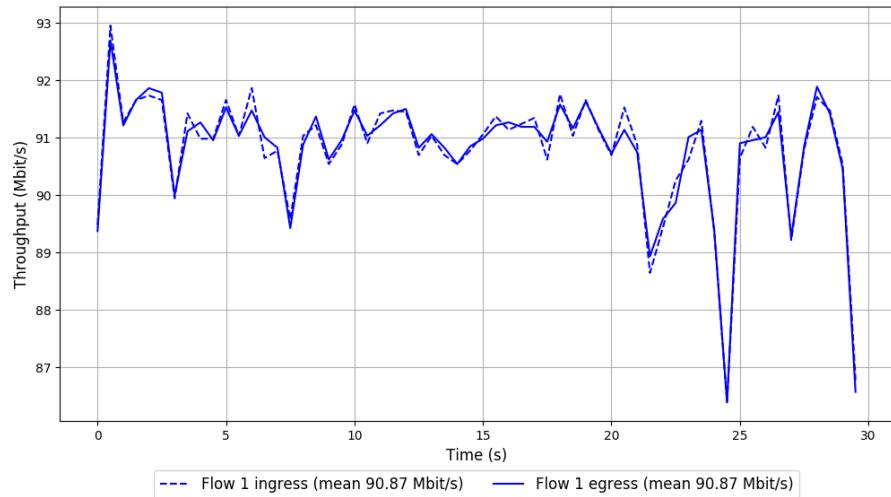


Run 6: Statistics of Copa

```
Start at: 2018-04-24 06:52:05
End at: 2018-04-24 06:52:35
Local clock offset: -10.178 ms
Remote clock offset: -6.955 ms

# Below is generated by plot.py at 2018-04-24 11:46:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 2.777 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 2.777 ms
Loss rate: 0.01%
```

Run 6: Report of Copa — Data Link

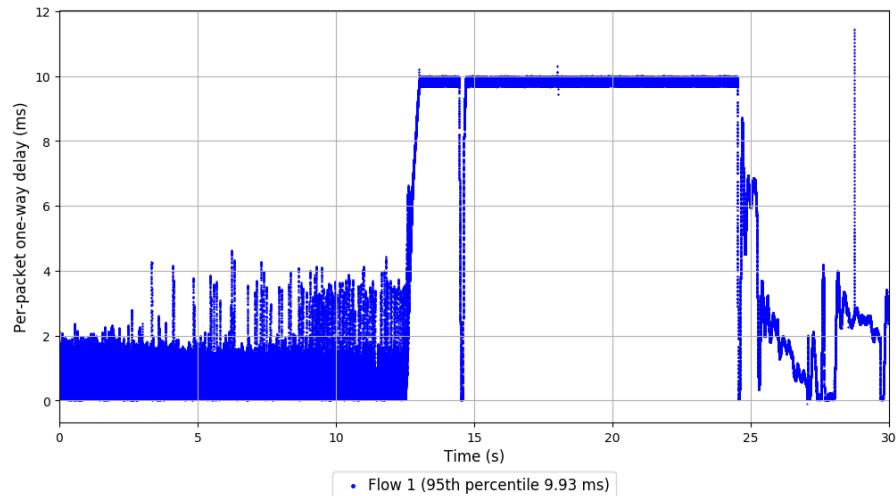
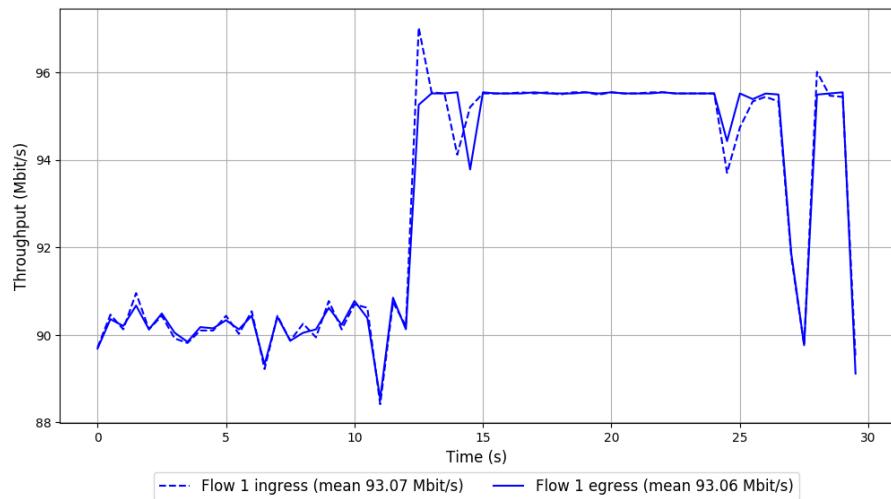


Run 7: Statistics of Copa

```
Start at: 2018-04-24 07:11:09
End at: 2018-04-24 07:11:39
Local clock offset: -9.015 ms
Remote clock offset: -6.948 ms

# Below is generated by plot.py at 2018-04-24 11:46:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 9.926 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 9.926 ms
Loss rate: 0.01%
```

Run 7: Report of Copa — Data Link

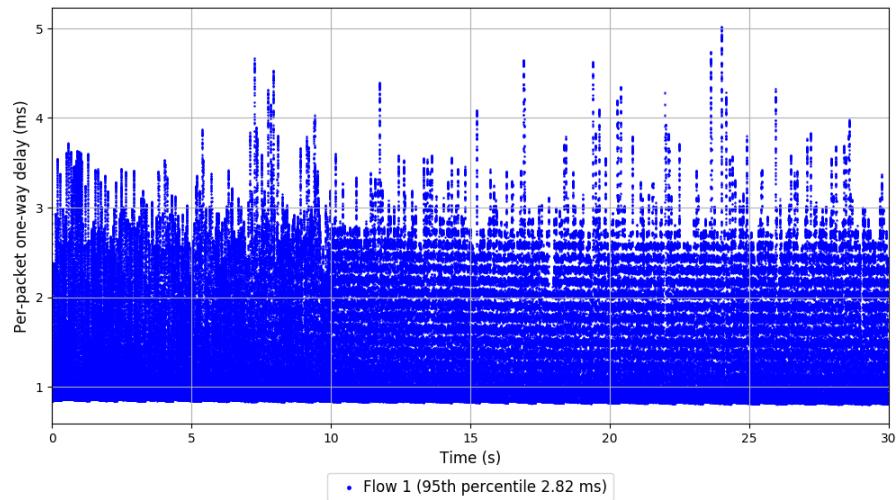
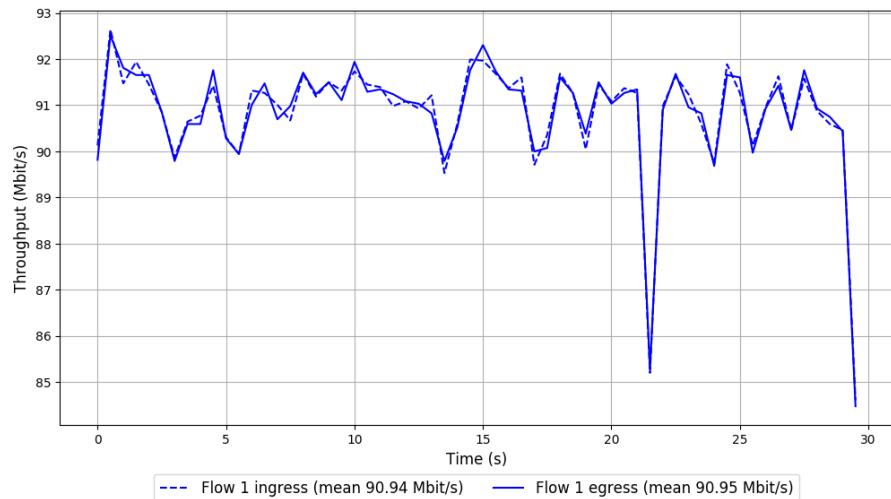


Run 8: Statistics of Copa

```
Start at: 2018-04-24 07:30:12
End at: 2018-04-24 07:30:42
Local clock offset: -7.66 ms
Remote clock offset: -6.409 ms

# Below is generated by plot.py at 2018-04-24 11:46:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 2.824 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 2.824 ms
Loss rate: 0.01%
```

Run 8: Report of Copa — Data Link

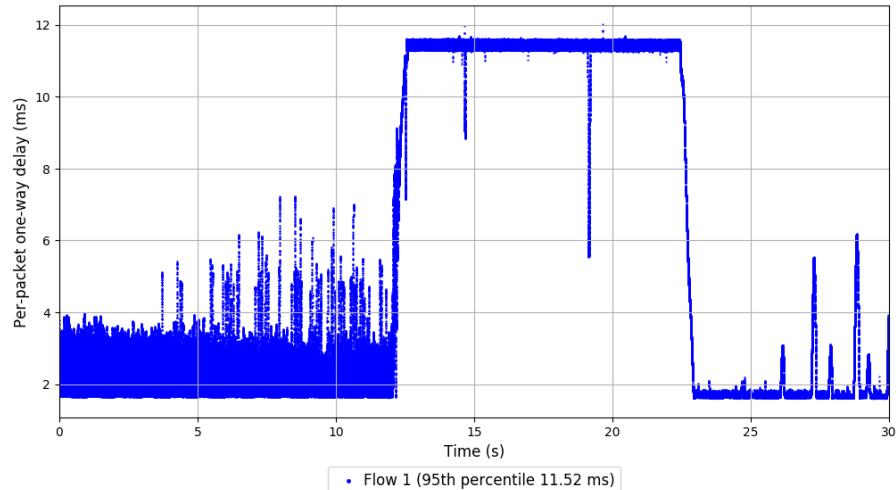
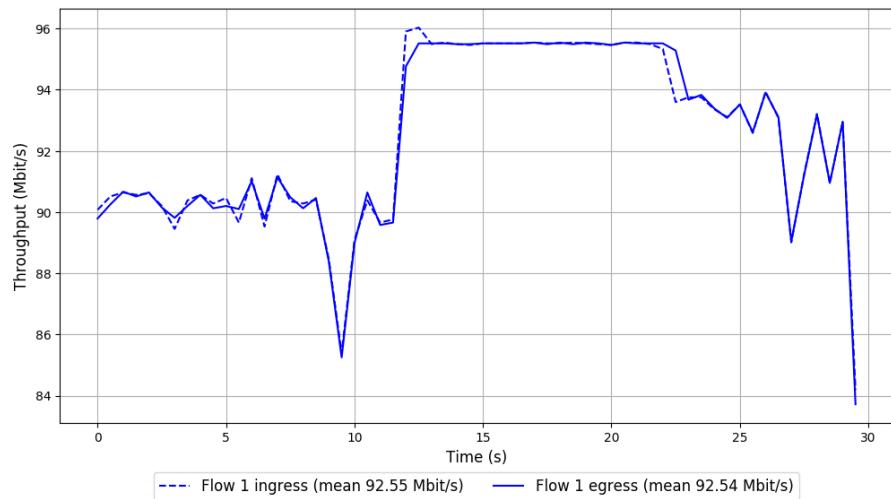


Run 9: Statistics of Copa

```
Start at: 2018-04-24 07:49:16
End at: 2018-04-24 07:49:46
Local clock offset: -6.276 ms
Remote clock offset: -6.242 ms

# Below is generated by plot.py at 2018-04-24 11:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 11.524 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 11.524 ms
Loss rate: 0.01%
```

Run 9: Report of Copa — Data Link

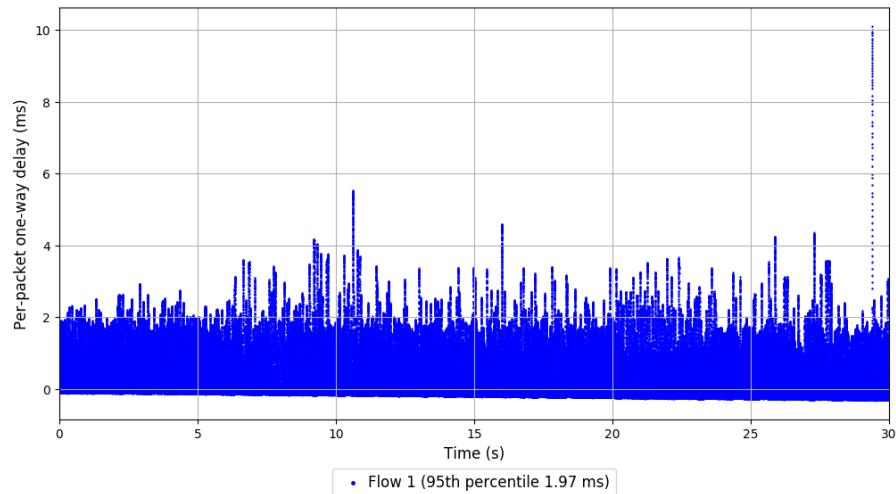
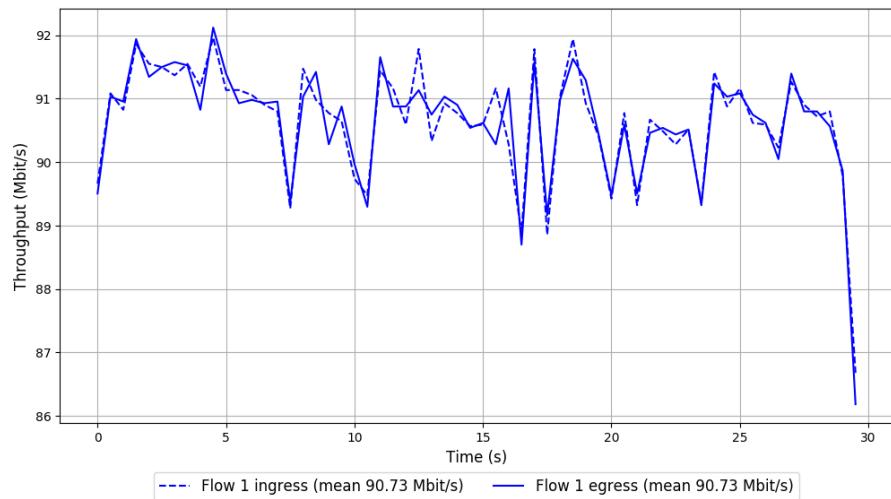


Run 10: Statistics of Copa

```
Start at: 2018-04-24 08:08:18
End at: 2018-04-24 08:08:48
Local clock offset: -0.761 ms
Remote clock offset: -6.7 ms

# Below is generated by plot.py at 2018-04-24 11:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 1.969 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 1.969 ms
Loss rate: 0.01%
```

Run 10: Report of Copa — Data Link

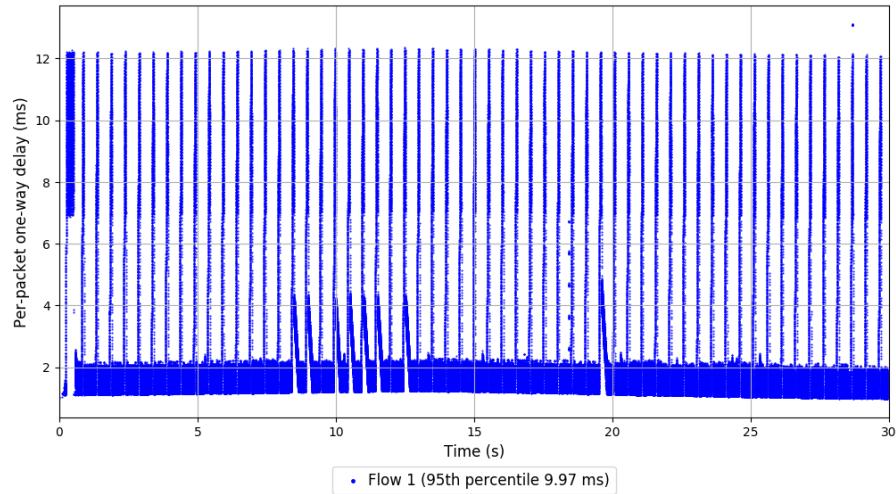
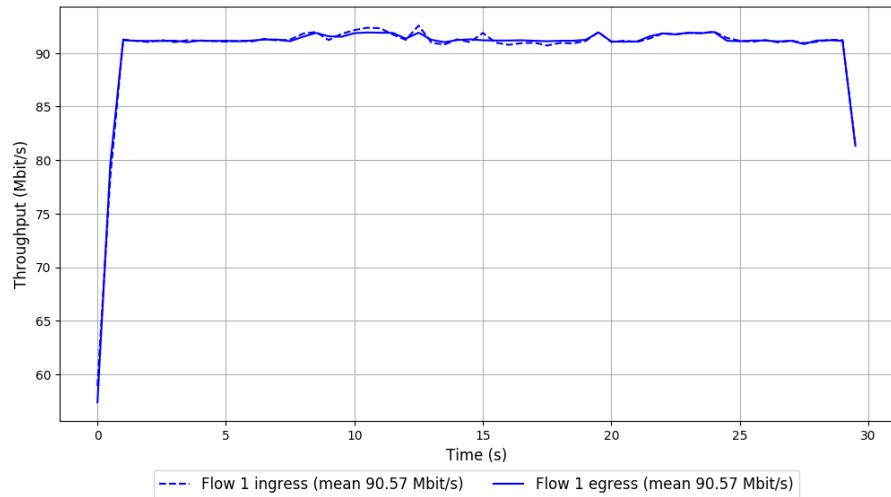


Run 1: Statistics of FillP

```
Start at: 2018-04-24 05:22:26
End at: 2018-04-24 05:22:56
Local clock offset: -11.735 ms
Remote clock offset: -6.733 ms

# Below is generated by plot.py at 2018-04-24 11:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 9.971 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 9.971 ms
Loss rate: 0.01%
```

Run 1: Report of FillP — Data Link

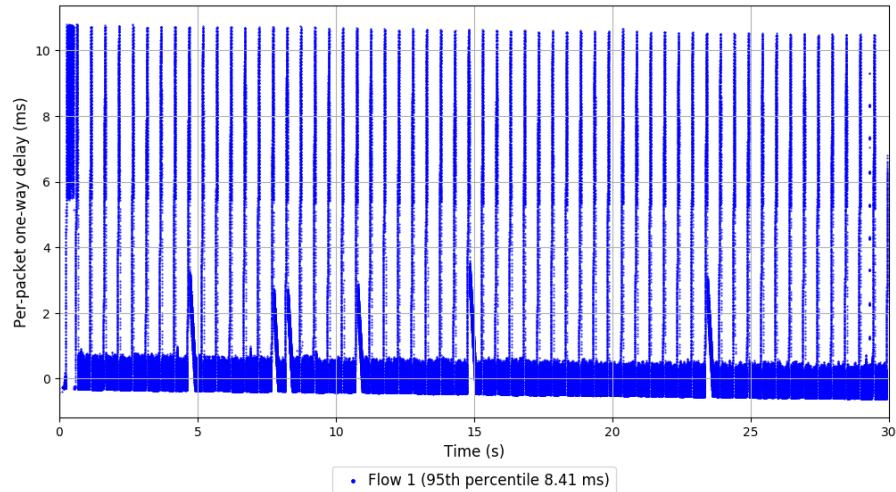
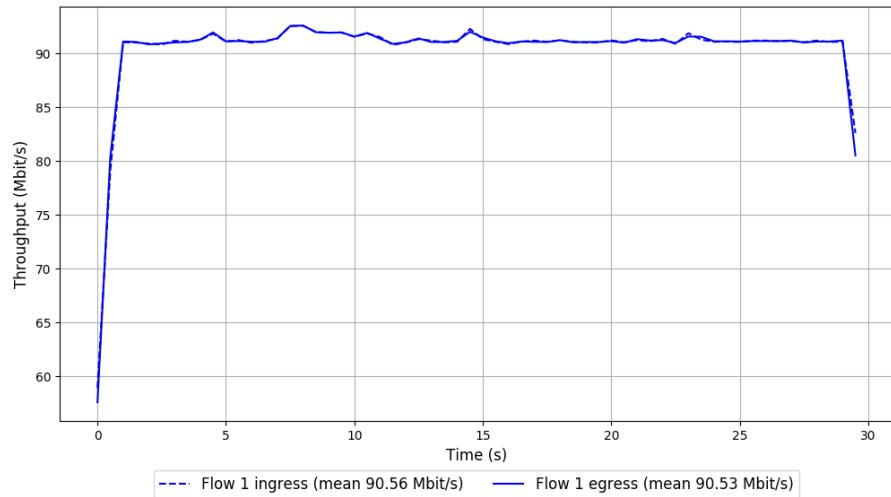


Run 2: Statistics of FillP

```
Start at: 2018-04-24 05:41:30
End at: 2018-04-24 05:42:00
Local clock offset: -13.911 ms
Remote clock offset: -6.577 ms

# Below is generated by plot.py at 2018-04-24 11:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 8.406 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 8.406 ms
Loss rate: 0.04%
```

Run 2: Report of FillP — Data Link

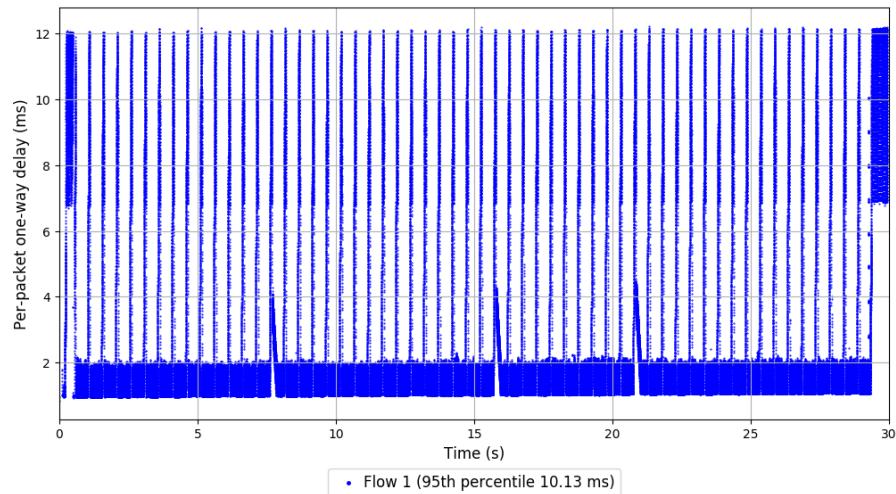
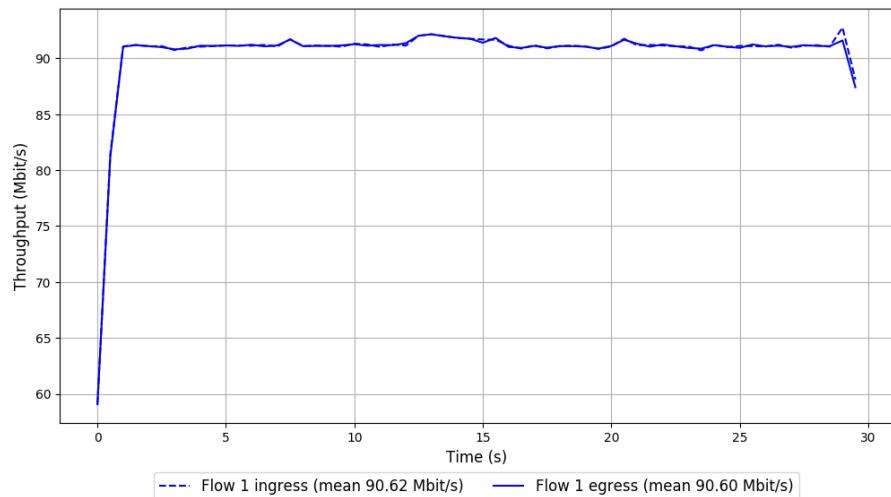


Run 3: Statistics of FillP

```
Start at: 2018-04-24 06:00:32
End at: 2018-04-24 06:01:02
Local clock offset: -11.596 ms
Remote clock offset: -6.448 ms

# Below is generated by plot.py at 2018-04-24 11:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 10.133 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 10.133 ms
Loss rate: 0.04%
```

Run 3: Report of FillP — Data Link

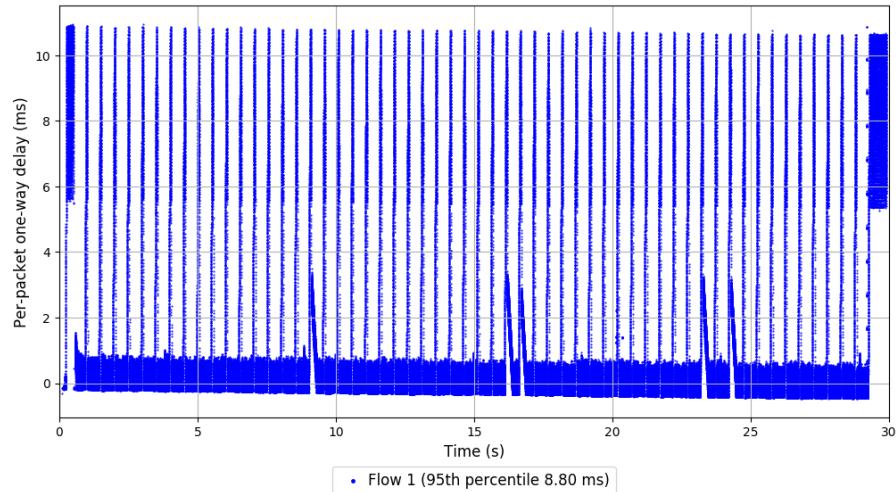
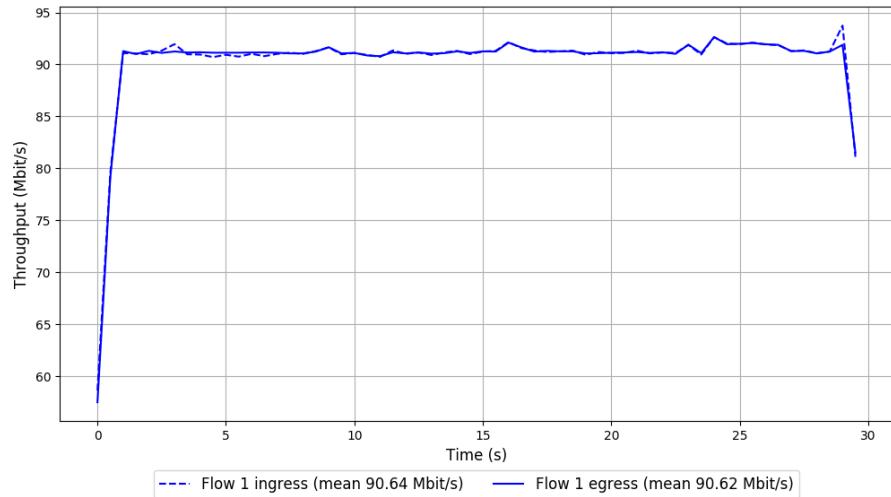


Run 4: Statistics of FillP

```
Start at: 2018-04-24 06:19:35
End at: 2018-04-24 06:20:05
Local clock offset: -13.981 ms
Remote clock offset: -6.822 ms

# Below is generated by plot.py at 2018-04-24 11:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 8.805 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 8.805 ms
Loss rate: 0.03%
```

Run 4: Report of FillP — Data Link

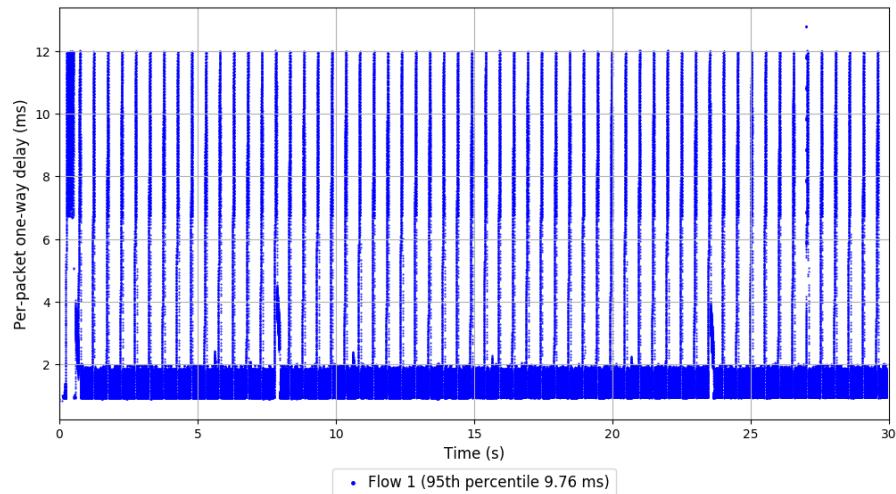
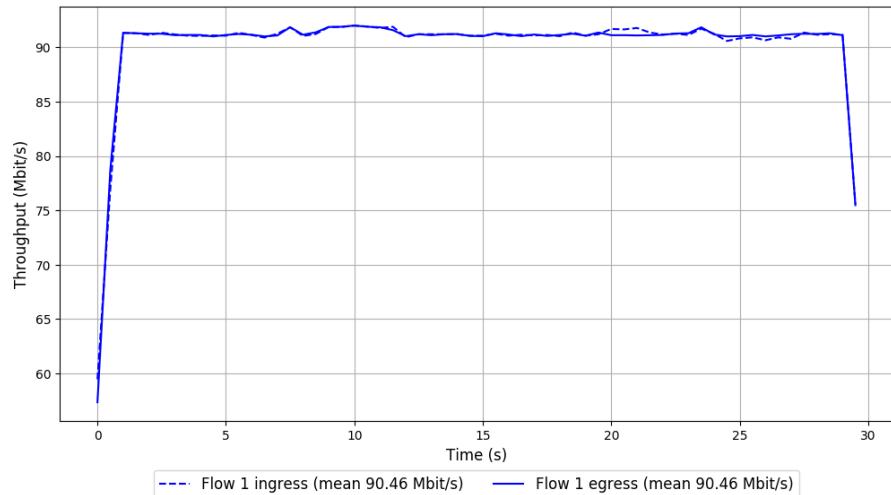


Run 5: Statistics of FillP

```
Start at: 2018-04-24 06:38:39
End at: 2018-04-24 06:39:09
Local clock offset: -10.059 ms
Remote clock offset: -6.997 ms

# Below is generated by plot.py at 2018-04-24 11:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 9.756 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 9.756 ms
Loss rate: 0.01%
```

Run 5: Report of FillP — Data Link

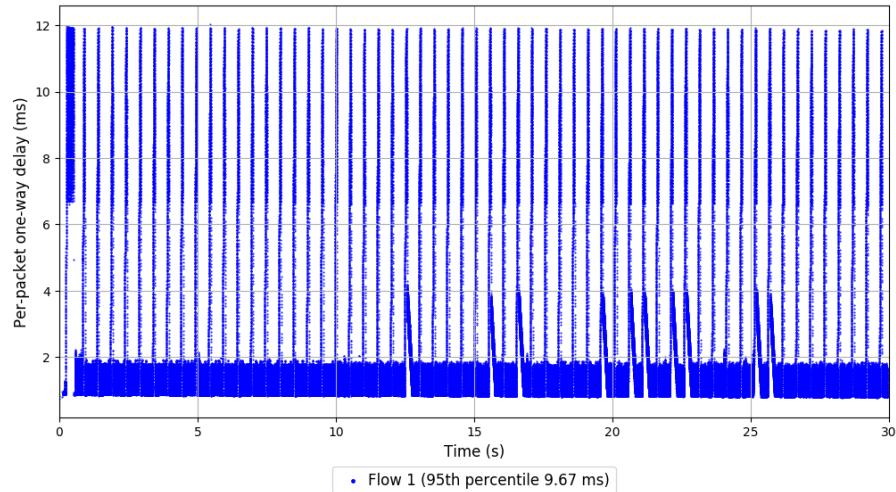
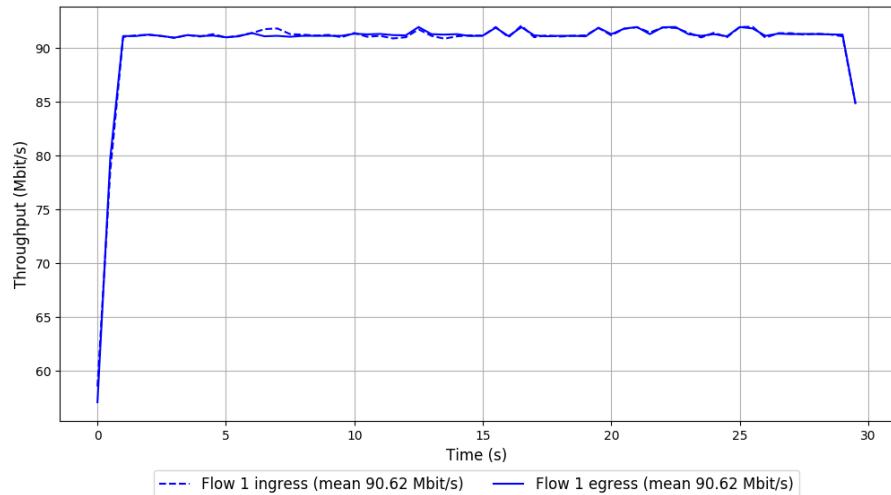


Run 6: Statistics of FillP

```
Start at: 2018-04-24 06:57:42
End at: 2018-04-24 06:58:12
Local clock offset: -8.834 ms
Remote clock offset: -6.995 ms

# Below is generated by plot.py at 2018-04-24 11:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 9.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 9.673 ms
Loss rate: 0.00%
```

Run 6: Report of FillP — Data Link

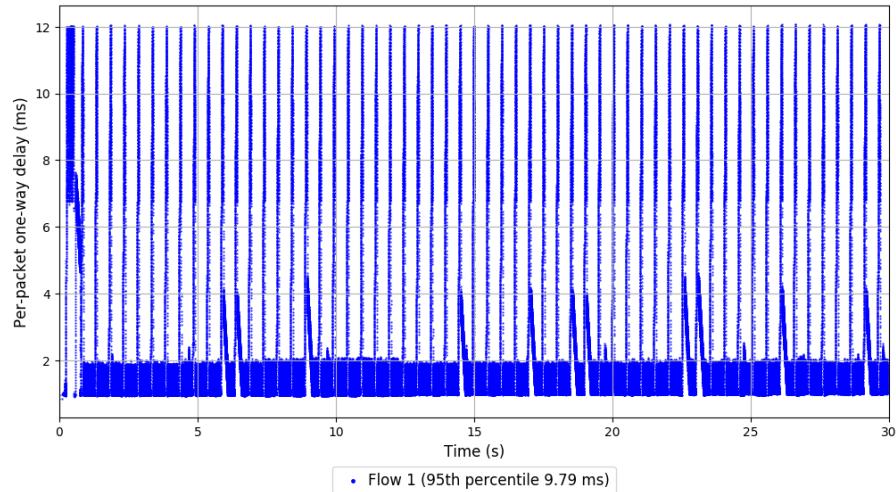
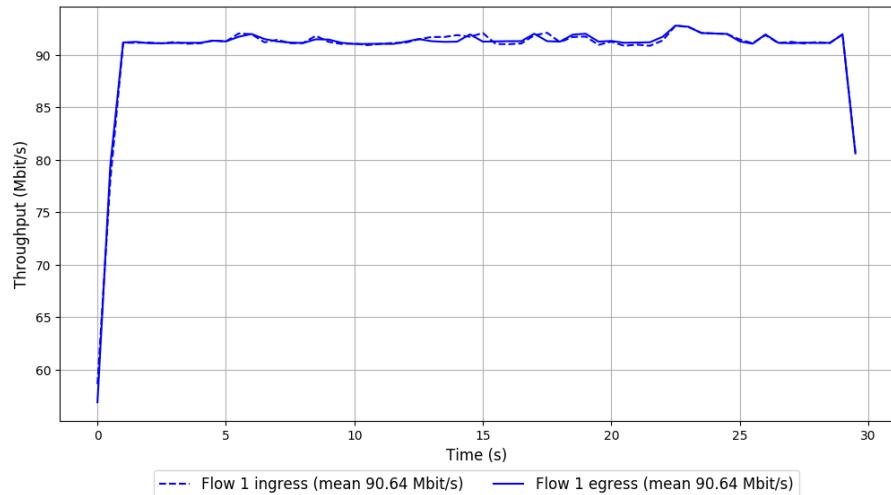


Run 7: Statistics of FillP

```
Start at: 2018-04-24 07:16:45
End at: 2018-04-24 07:17:15
Local clock offset: -8.359 ms
Remote clock offset: -6.815 ms

# Below is generated by plot.py at 2018-04-24 11:49:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 9.786 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 9.786 ms
Loss rate: 0.01%
```

Run 7: Report of FillP — Data Link

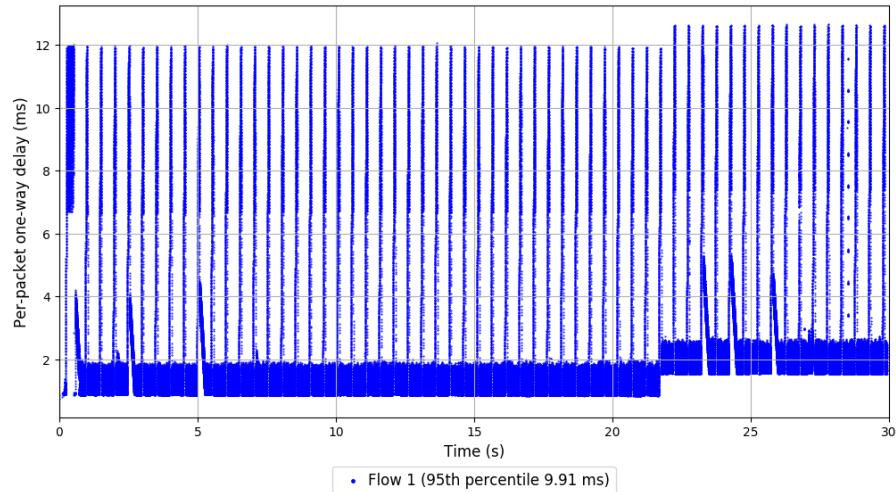
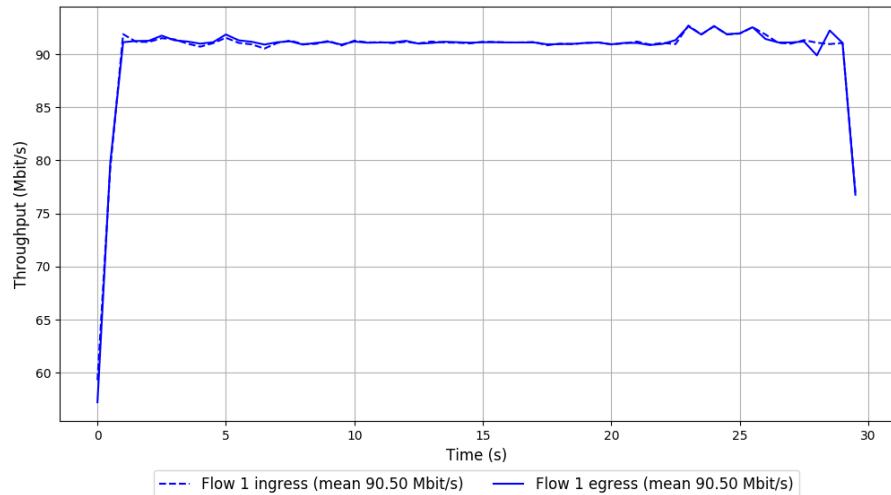


Run 8: Statistics of FillP

```
Start at: 2018-04-24 07:35:48
End at: 2018-04-24 07:36:18
Local clock offset: -7.152 ms
Remote clock offset: -6.238 ms

# Below is generated by plot.py at 2018-04-24 11:49:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 9.911 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 9.911 ms
Loss rate: 0.01%
```

Run 8: Report of FillP — Data Link

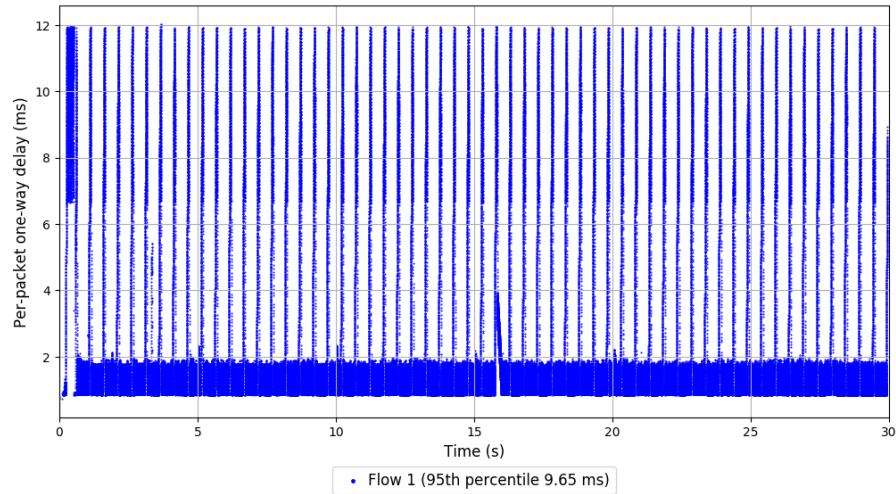
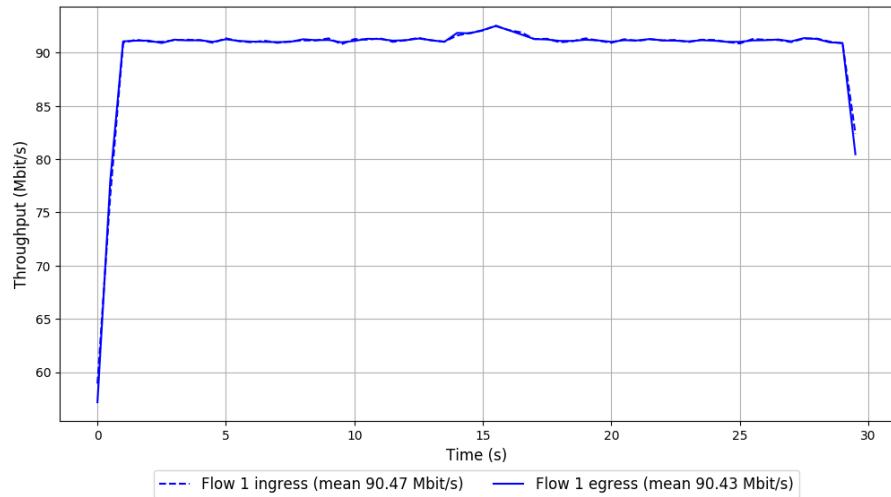


Run 9: Statistics of FillP

```
Start at: 2018-04-24 07:54:52
End at: 2018-04-24 07:55:22
Local clock offset: -7.118 ms
Remote clock offset: -6.427 ms

# Below is generated by plot.py at 2018-04-24 11:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 9.653 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 9.653 ms
Loss rate: 0.04%
```

Run 9: Report of FillP — Data Link

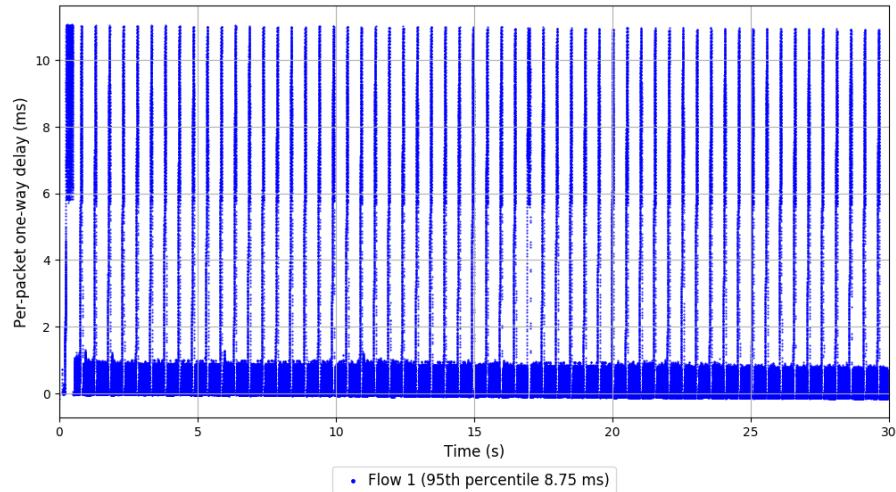
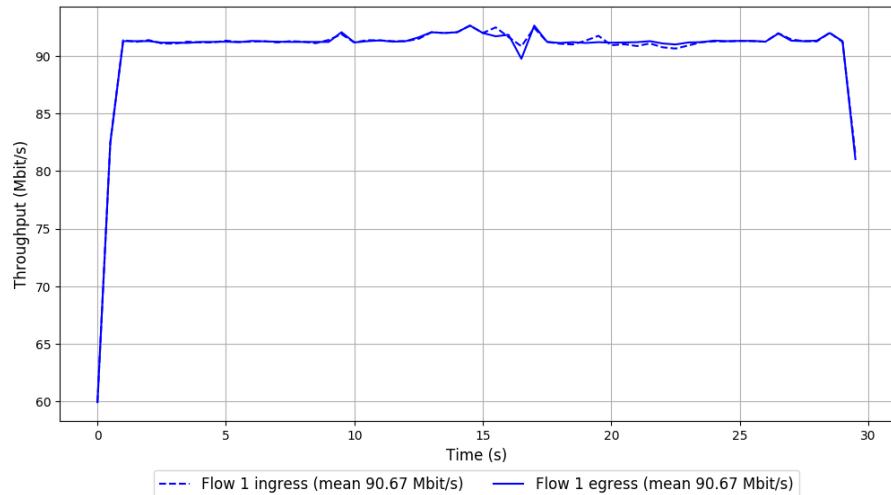


Run 10: Statistics of FillP

```
Start at: 2018-04-24 08:13:54
End at: 2018-04-24 08:14:24
Local clock offset: 1.19 ms
Remote clock offset: -6.732 ms

# Below is generated by plot.py at 2018-04-24 11:49:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 8.747 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 8.747 ms
Loss rate: 0.01%
```

Run 10: Report of FillP — Data Link

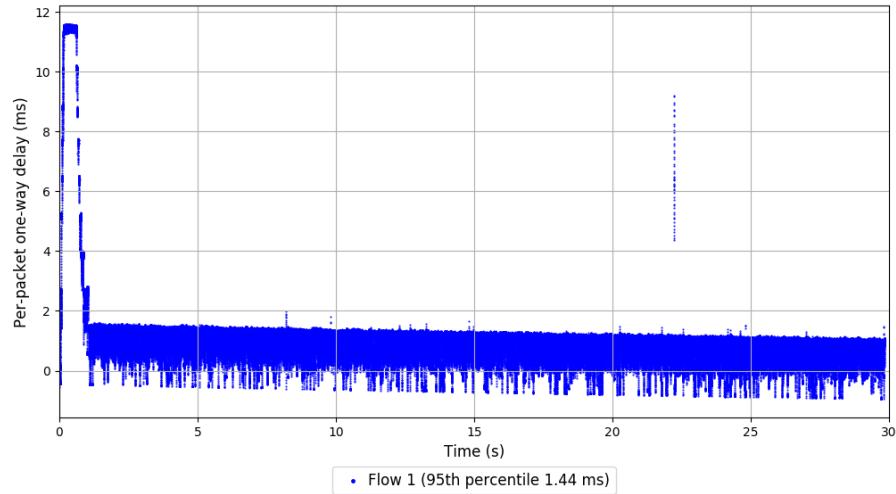
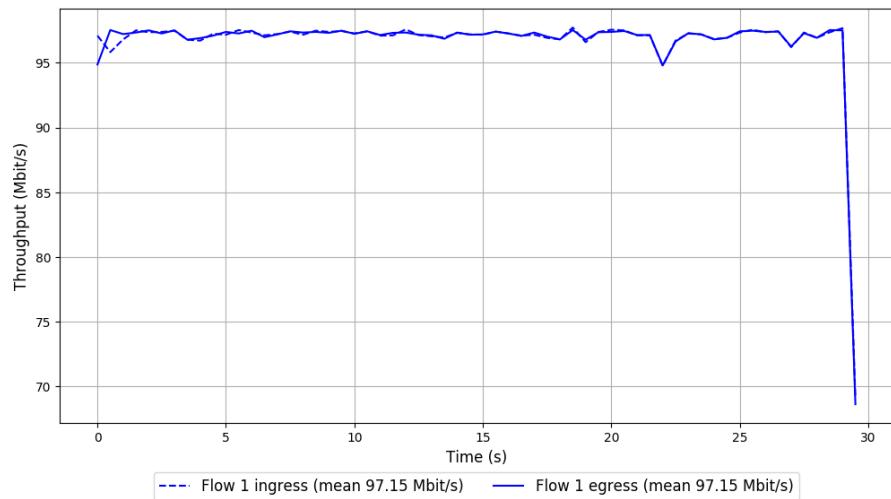


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-04-24 05:14:34
End at: 2018-04-24 05:15:04
Local clock offset: -11.906 ms
Remote clock offset: -6.776 ms

# Below is generated by plot.py at 2018-04-24 11:49:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 1.444 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 1.444 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo-1-32 — Data Link

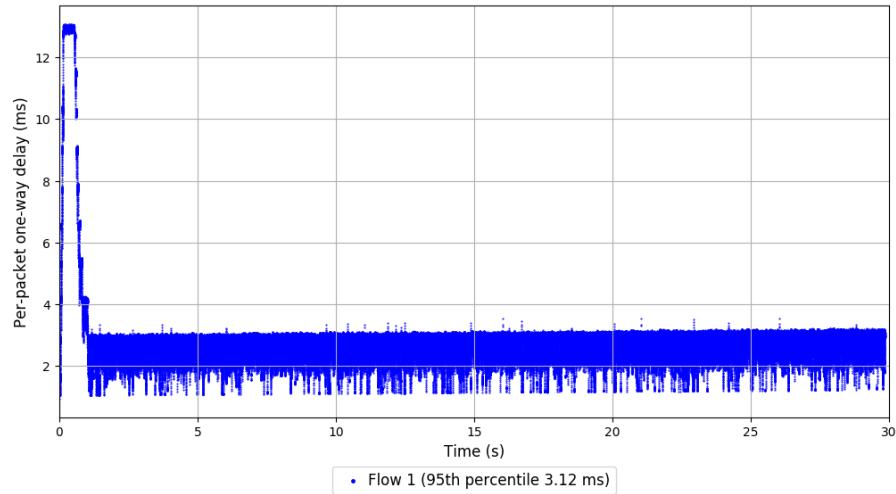
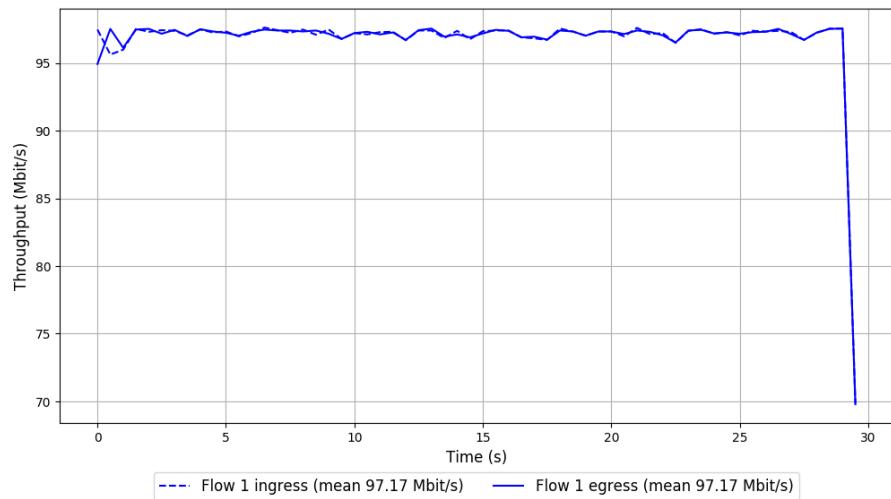


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-04-24 05:33:36
End at: 2018-04-24 05:34:06
Local clock offset: -11.311 ms
Remote clock offset: -6.613 ms

# Below is generated by plot.py at 2018-04-24 11:49:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 3.116 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 3.116 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-1-32 — Data Link

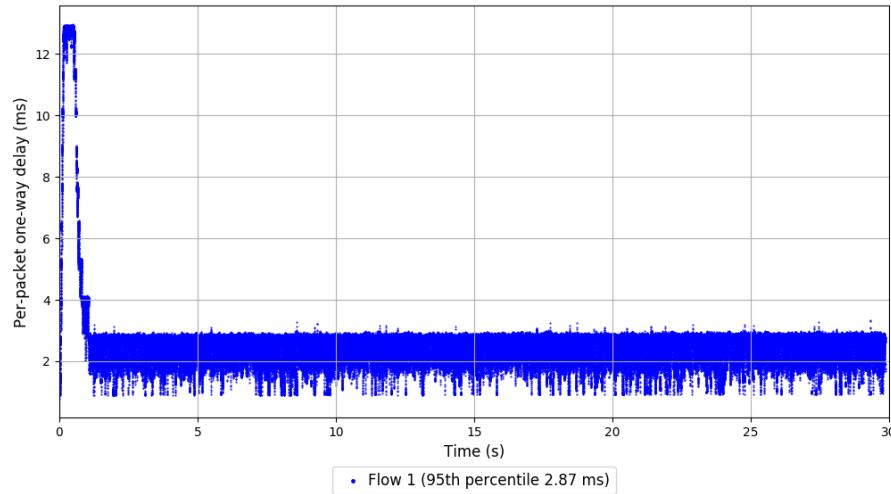
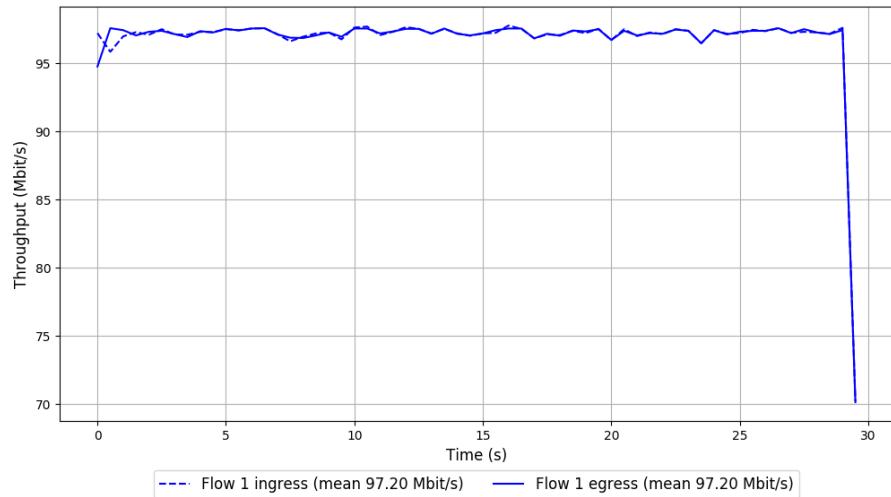


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-04-24 05:52:41
End at: 2018-04-24 05:53:11
Local clock offset: -10.403 ms
Remote clock offset: -6.509 ms

# Below is generated by plot.py at 2018-04-24 11:50:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 2.871 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 2.871 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-1-32 — Data Link

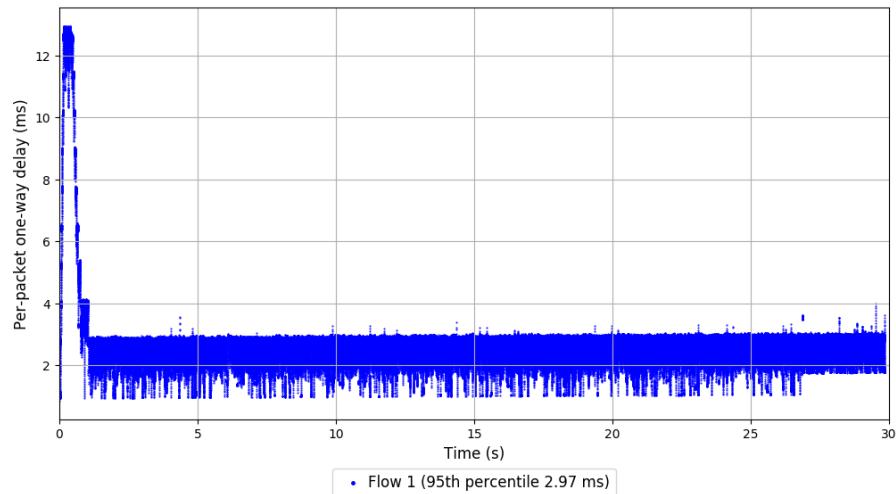
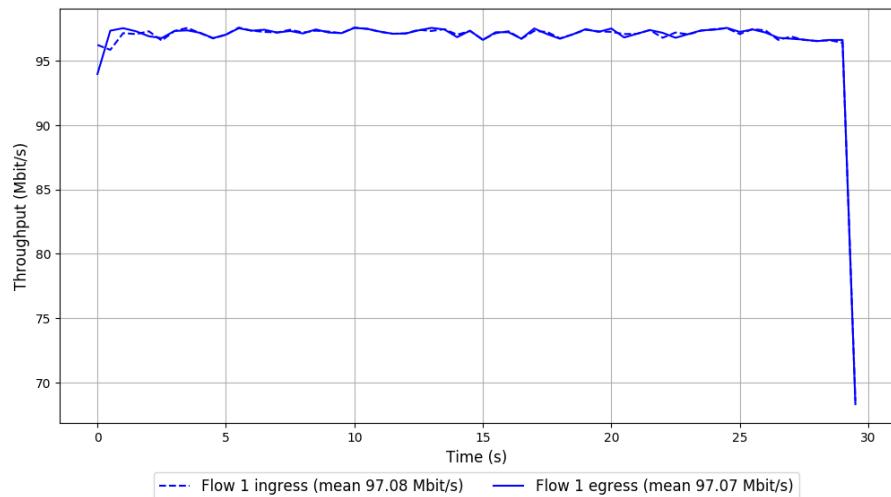


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-04-24 06:11:43
End at: 2018-04-24 06:12:13
Local clock offset: -14.719 ms
Remote clock offset: -6.749 ms

# Below is generated by plot.py at 2018-04-24 11:50:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 2.969 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 2.969 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-1-32 — Data Link

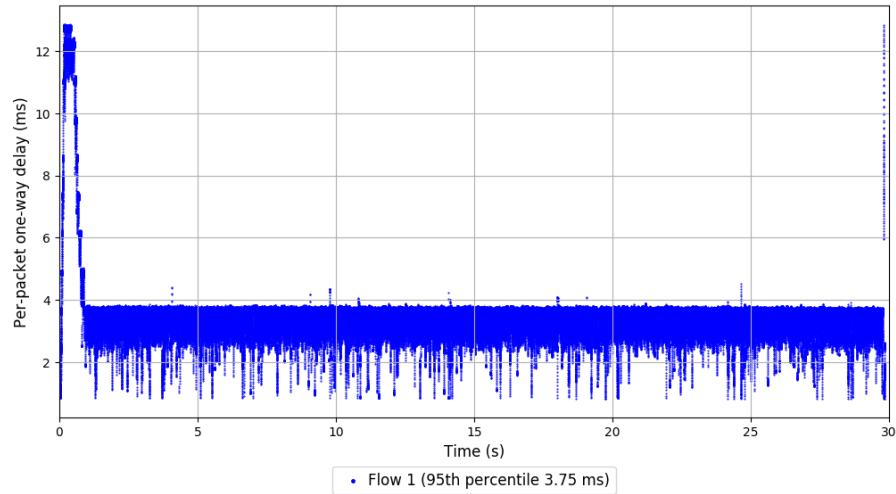
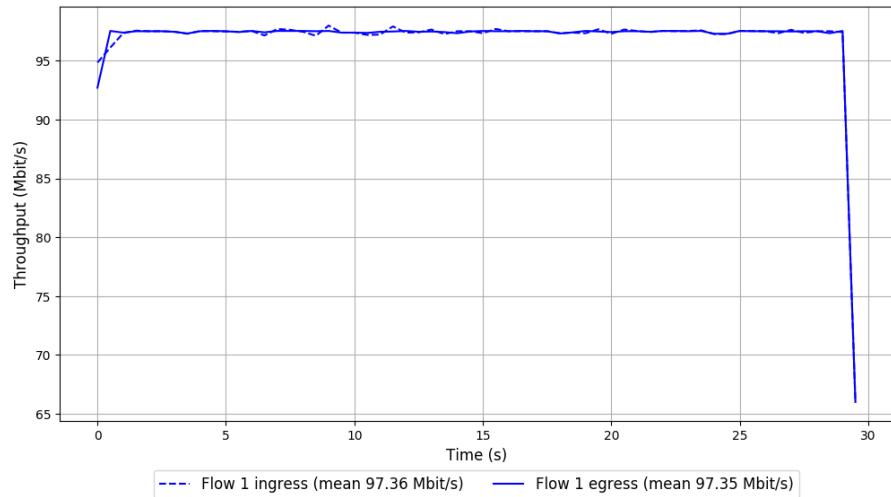


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-04-24 06:30:45
End at: 2018-04-24 06:31:15
Local clock offset: -10.042 ms
Remote clock offset: -6.933 ms

# Below is generated by plot.py at 2018-04-24 11:51:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 3.753 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 3.753 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo-1-32 — Data Link

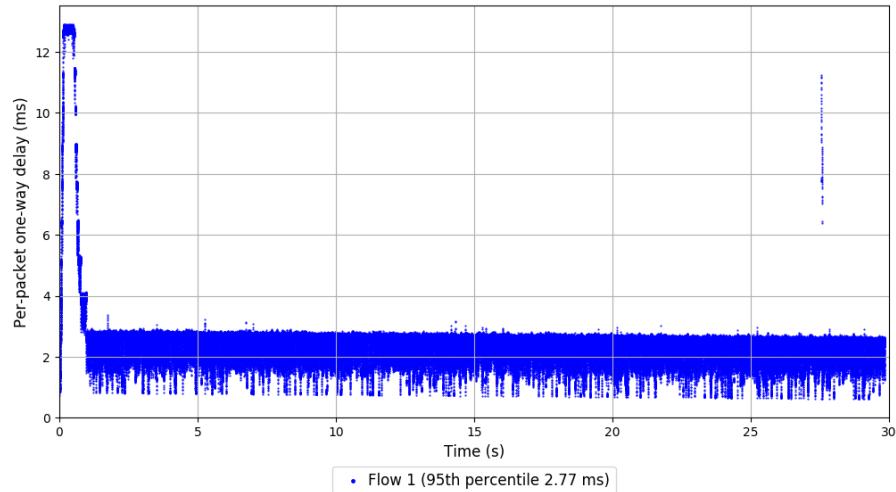
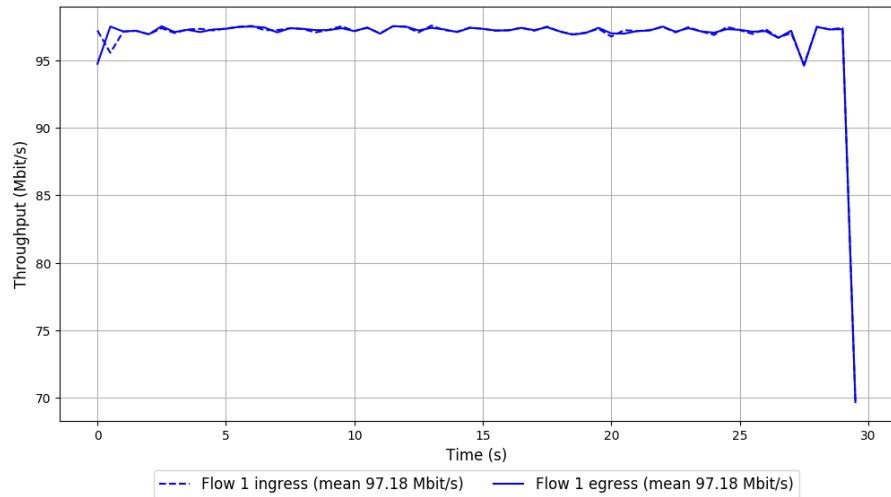


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-04-24 06:49:50
End at: 2018-04-24 06:50:20
Local clock offset: -10.989 ms
Remote clock offset: -6.945 ms

# Below is generated by plot.py at 2018-04-24 11:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 2.770 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 2.770 ms
Loss rate: 0.01%
```

Run 6: Report of Indigo-1-32 — Data Link

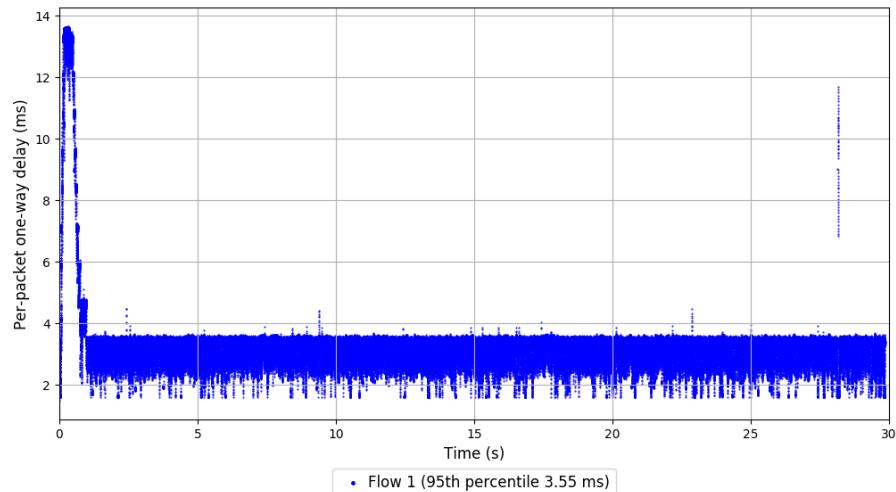
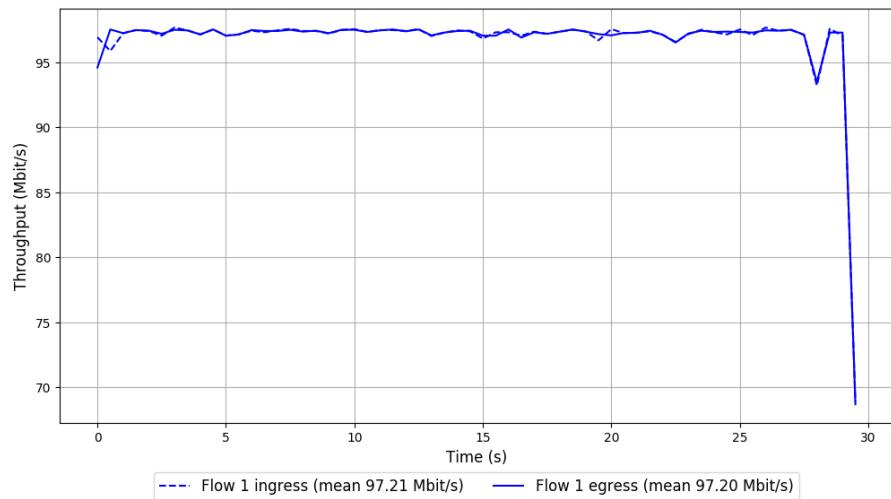


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-04-24 07:08:51
End at: 2018-04-24 07:09:21
Local clock offset: -7.433 ms
Remote clock offset: -6.943 ms

# Below is generated by plot.py at 2018-04-24 11:51:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 3.548 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 3.548 ms
Loss rate: 0.01%
```

Run 7: Report of Indigo-1-32 — Data Link

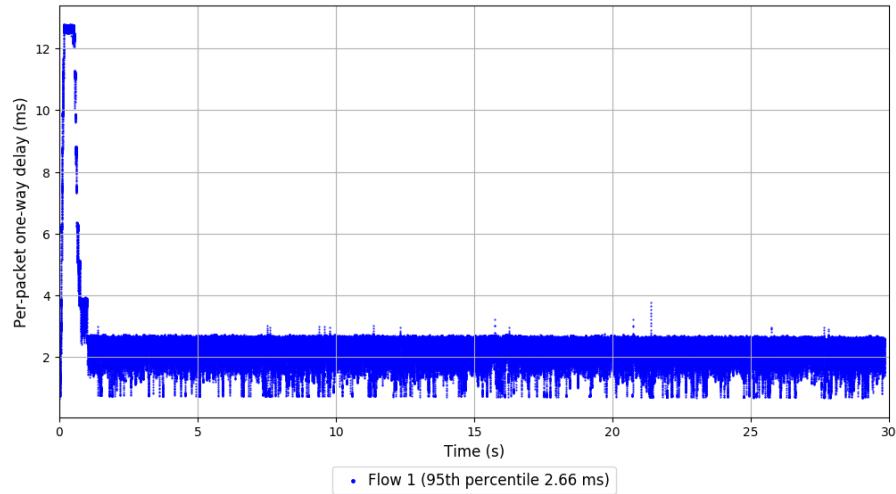
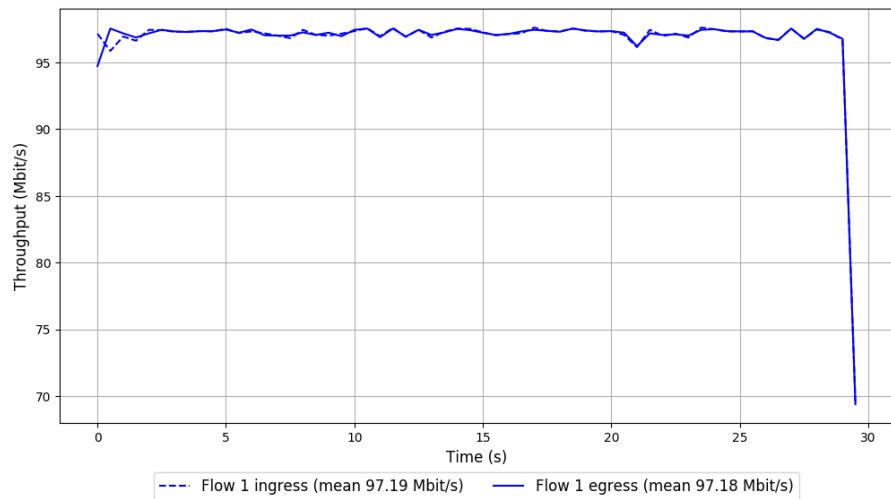


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-04-24 07:27:54
End at: 2018-04-24 07:28:24
Local clock offset: -7.99 ms
Remote clock offset: -6.378 ms

# Below is generated by plot.py at 2018-04-24 11:51:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 2.663 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 2.663 ms
Loss rate: 0.01%
```

Run 8: Report of Indigo-1-32 — Data Link

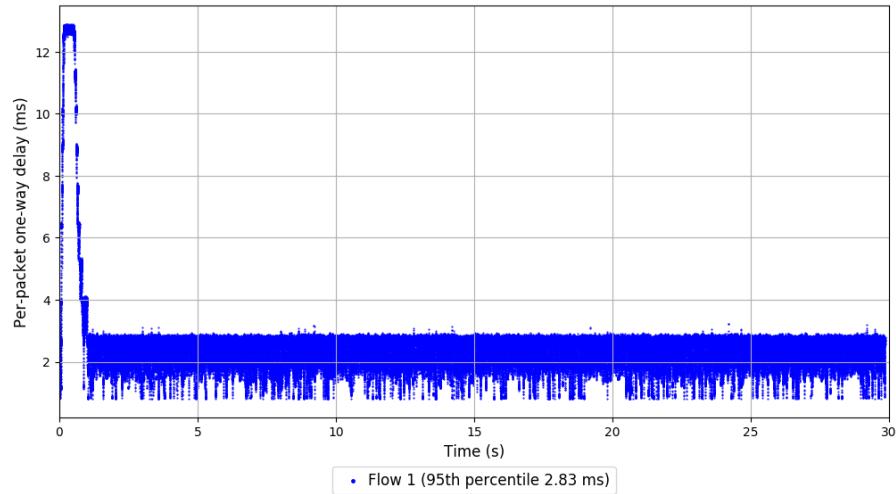
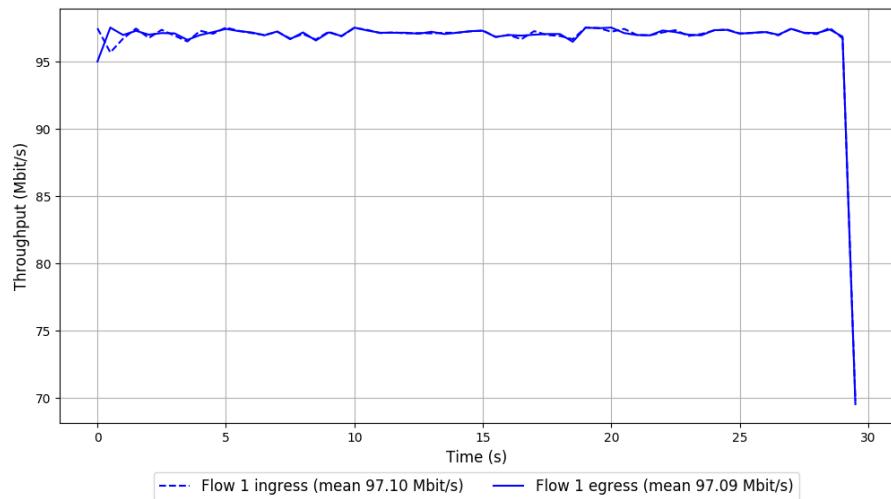


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-04-24 07:46:58
End at: 2018-04-24 07:47:28
Local clock offset: -7.031 ms
Remote clock offset: -6.084 ms

# Below is generated by plot.py at 2018-04-24 11:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 2.827 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 2.827 ms
Loss rate: 0.01%
```

Run 9: Report of Indigo-1-32 — Data Link

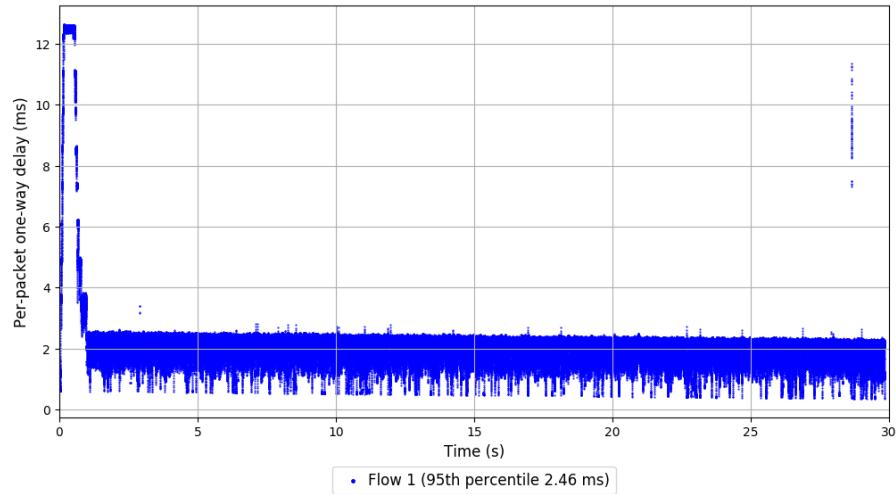
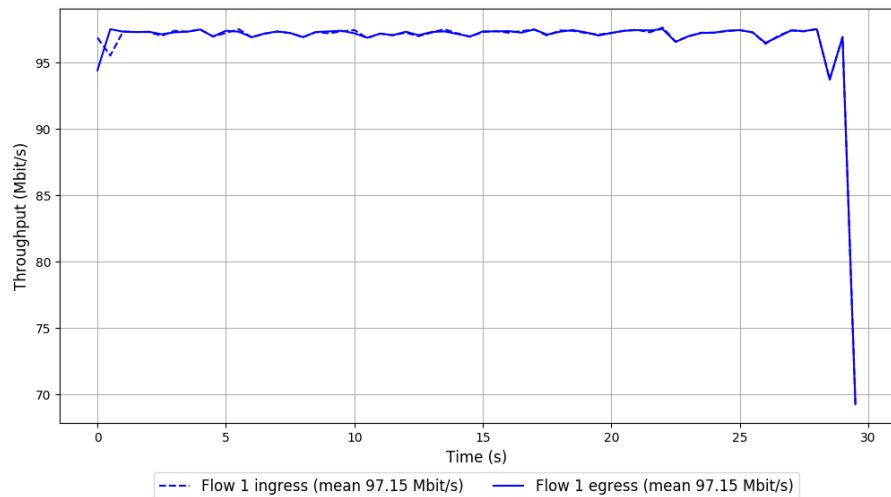


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-04-24 08:06:01
End at: 2018-04-24 08:06:31
Local clock offset: -1.133 ms
Remote clock offset: -6.661 ms

# Below is generated by plot.py at 2018-04-24 11:51:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 2.462 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 2.462 ms
Loss rate: 0.01%
```

Run 10: Report of Indigo-1-32 — Data Link

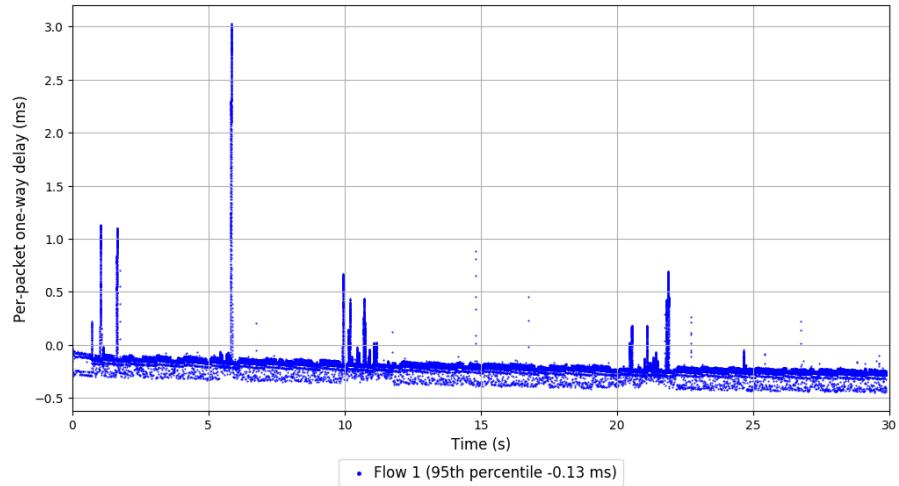
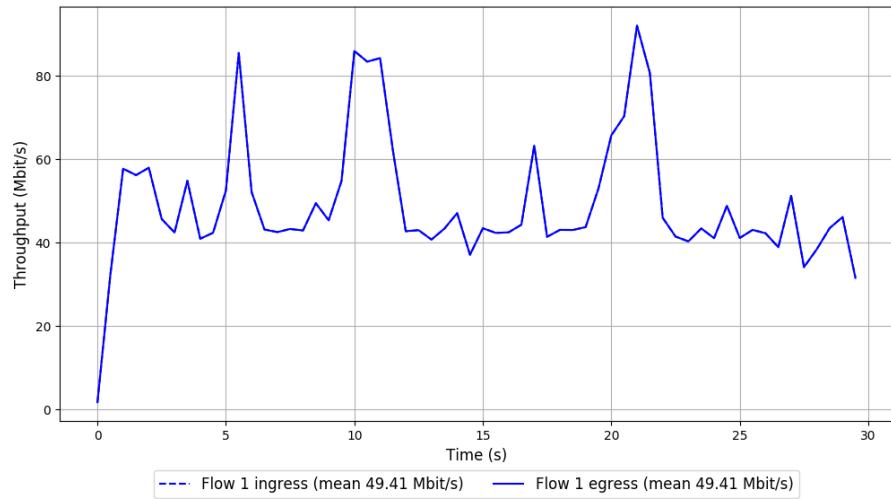


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-04-24 05:15:43
End at: 2018-04-24 05:16:13
Local clock offset: -10.637 ms
Remote clock offset: -6.714 ms

# Below is generated by plot.py at 2018-04-24 11:51:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: -0.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: -0.129 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

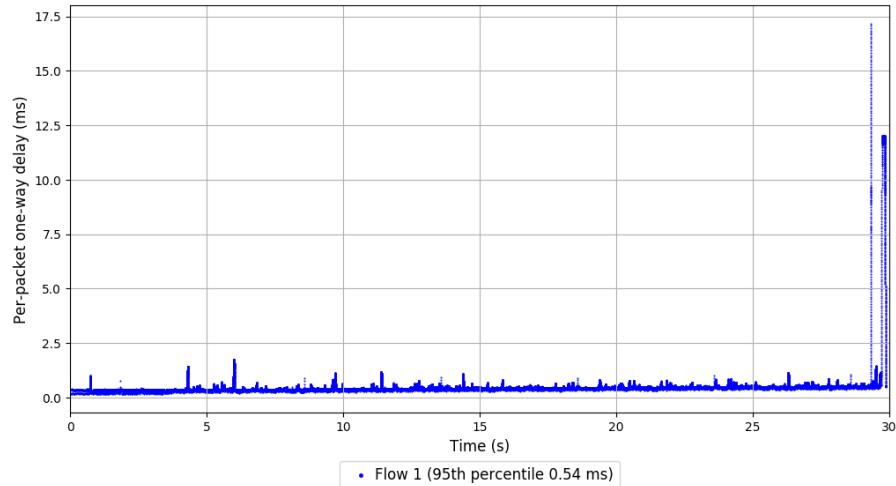
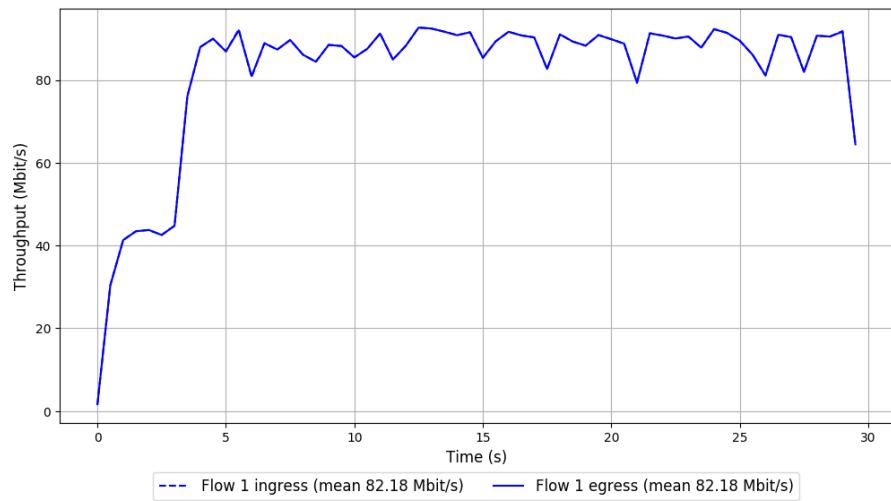


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-04-24 05:34:45
End at: 2018-04-24 05:35:15
Local clock offset: -12.455 ms
Remote clock offset: -6.591 ms

# Below is generated by plot.py at 2018-04-24 11:51:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.18 Mbit/s
95th percentile per-packet one-way delay: 0.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.18 Mbit/s
95th percentile per-packet one-way delay: 0.539 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

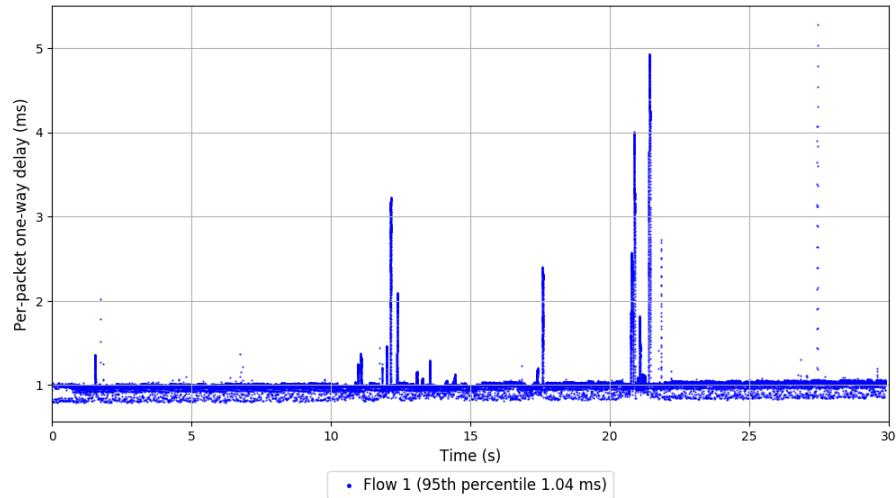
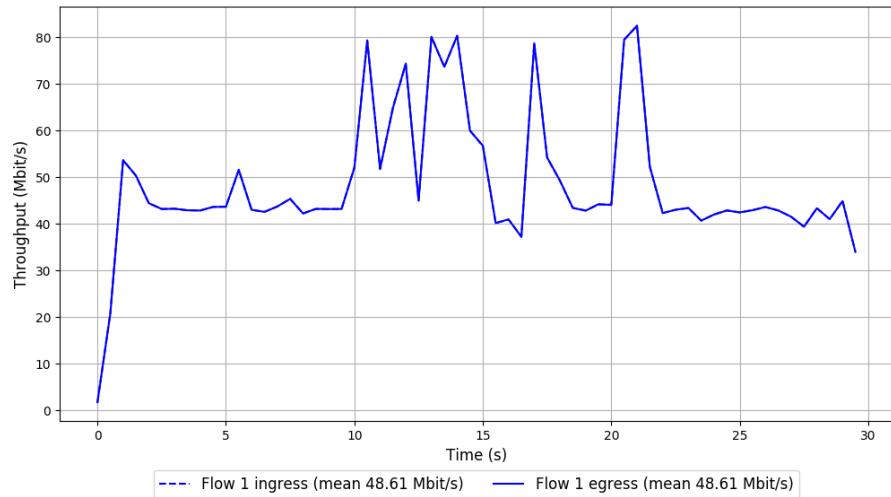


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-04-24 05:53:50
End at: 2018-04-24 05:54:20
Local clock offset: -10.505 ms
Remote clock offset: -6.578 ms

# Below is generated by plot.py at 2018-04-24 11:51:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

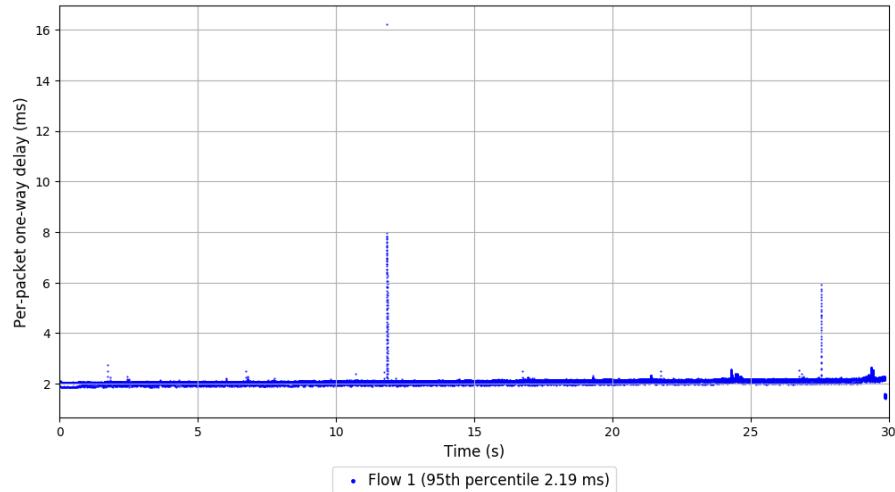
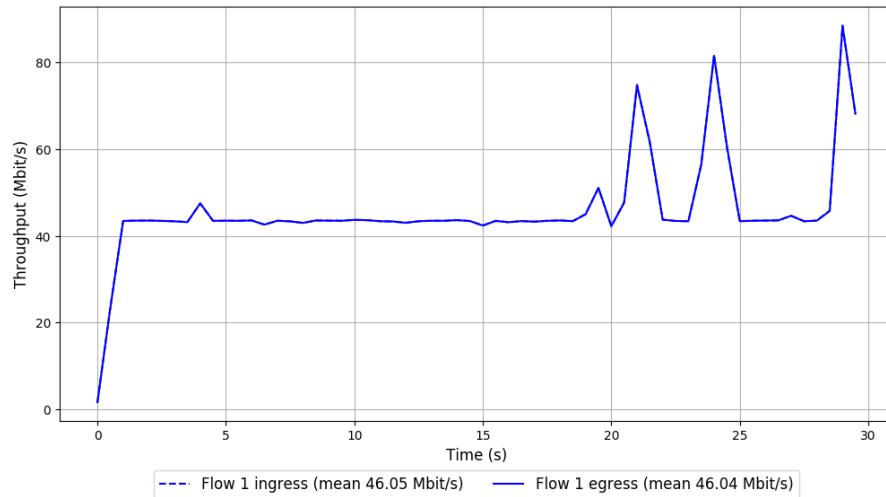


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-04-24 06:12:52
End at: 2018-04-24 06:13:22
Local clock offset: -14.593 ms
Remote clock offset: -6.721 ms

# Below is generated by plot.py at 2018-04-24 11:51:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.04 Mbit/s
95th percentile per-packet one-way delay: 2.187 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.04 Mbit/s
95th percentile per-packet one-way delay: 2.187 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Vivace — Data Link

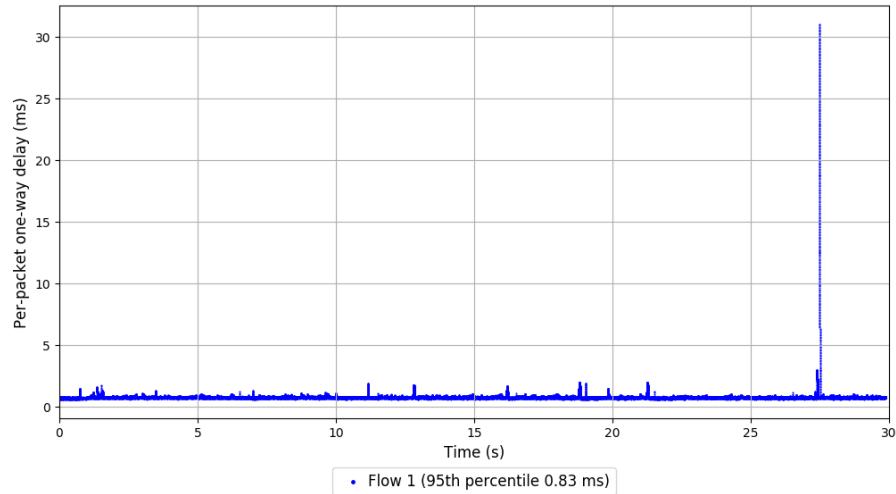
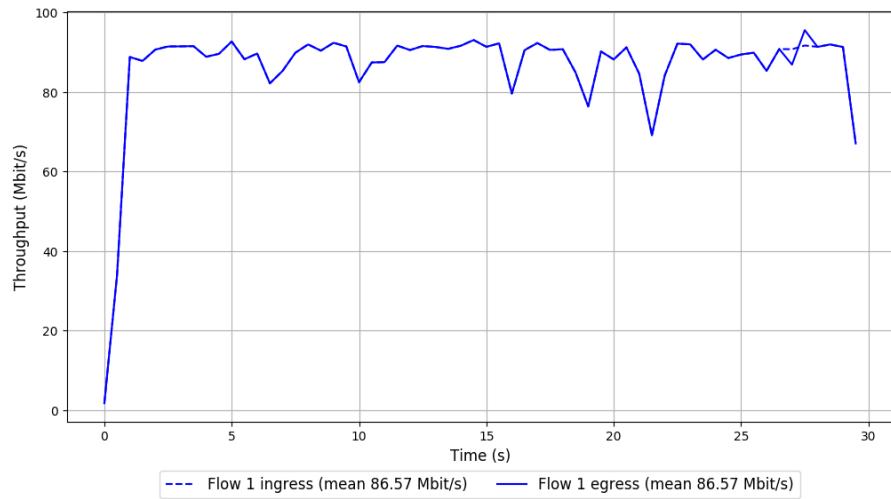


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-04-24 06:31:54
End at: 2018-04-24 06:32:25
Local clock offset: -10.04 ms
Remote clock offset: -6.922 ms

# Below is generated by plot.py at 2018-04-24 11:52:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 0.830 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 0.830 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Vivace — Data Link

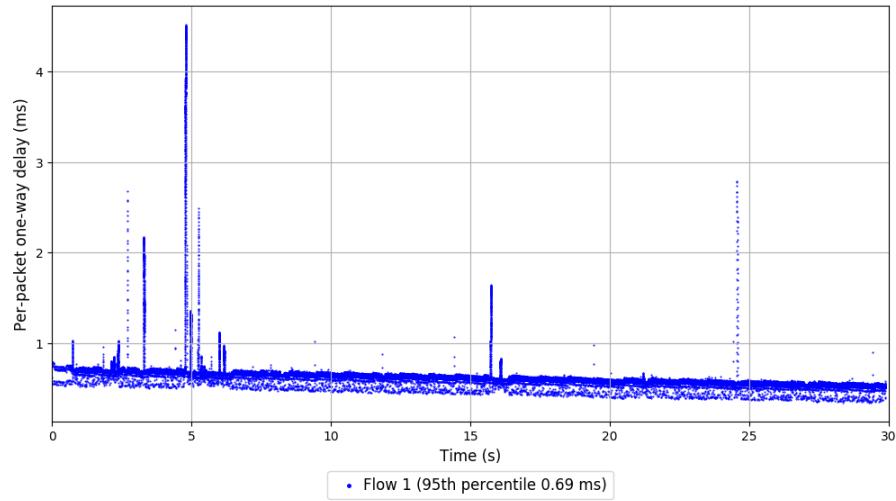
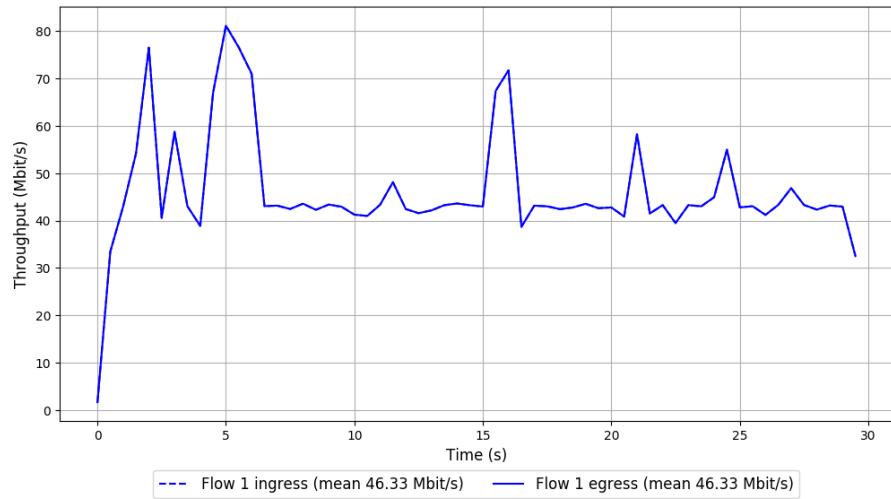


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-04-24 06:50:59
End at: 2018-04-24 06:51:29
Local clock offset: -10.686 ms
Remote clock offset: -7.011 ms

# Below is generated by plot.py at 2018-04-24 11:52:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.33 Mbit/s
95th percentile per-packet one-way delay: 0.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.33 Mbit/s
95th percentile per-packet one-way delay: 0.693 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

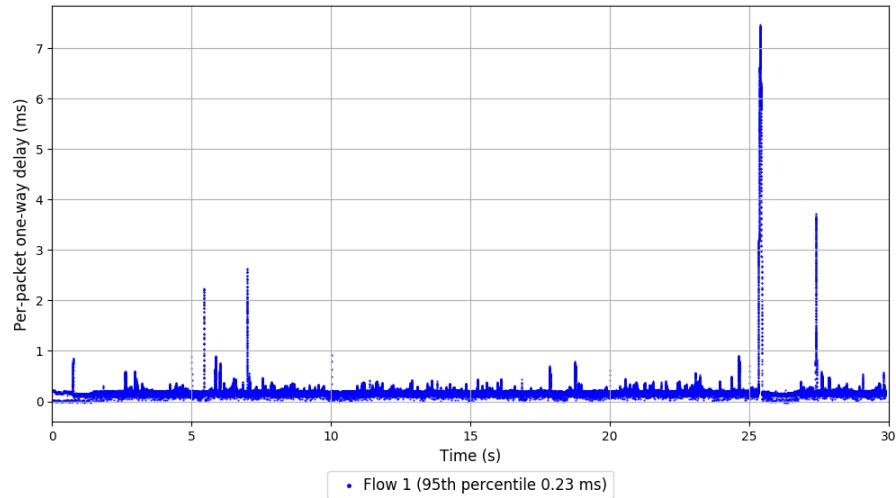
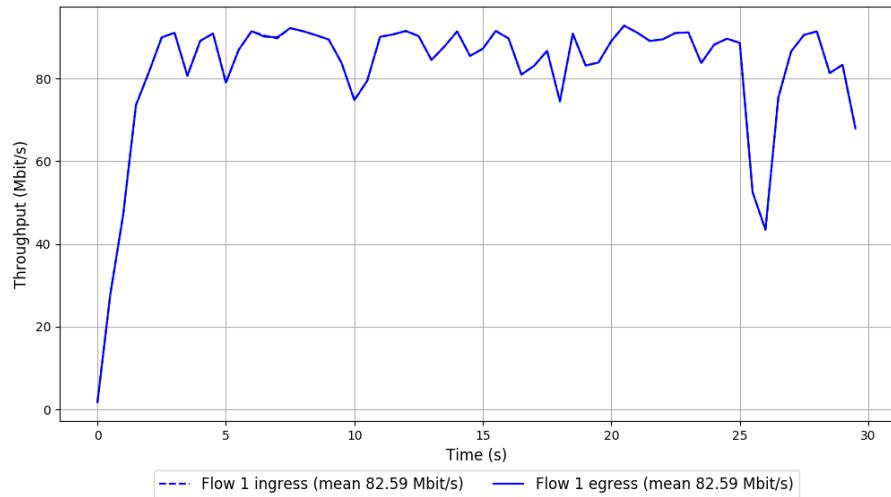


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-04-24 07:10:00
End at: 2018-04-24 07:10:30
Local clock offset: -8.942 ms
Remote clock offset: -7.009 ms

# Below is generated by plot.py at 2018-04-24 11:52:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 0.230 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 0.230 ms
Loss rate: 0.01%
```

Run 7: Report of PCC-Vivace — Data Link

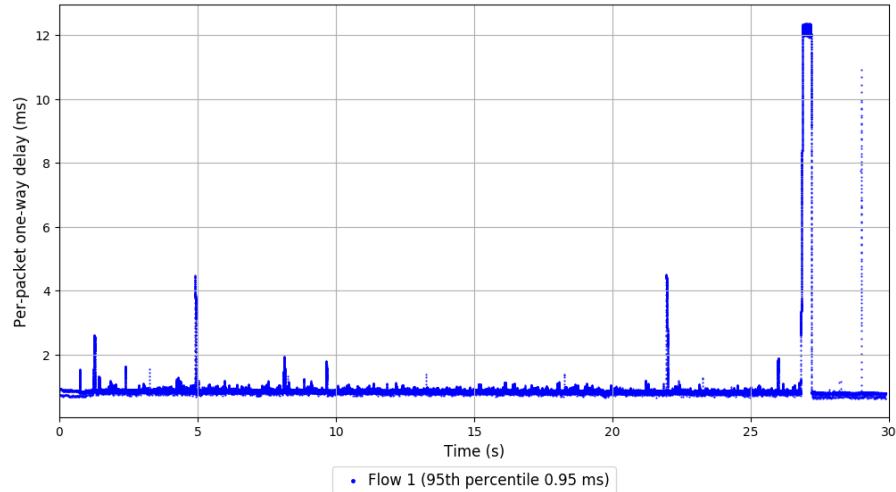
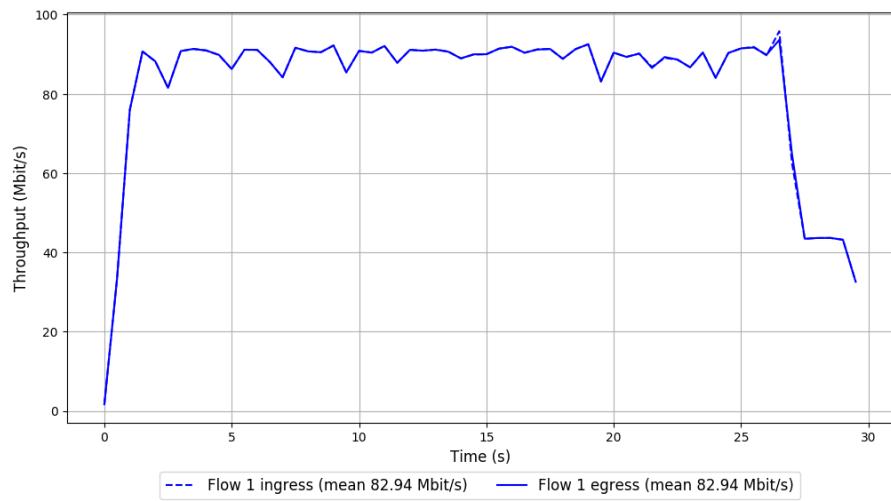


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-04-24 07:29:03
End at: 2018-04-24 07:29:33
Local clock offset: -7.792 ms
Remote clock offset: -6.433 ms

# Below is generated by plot.py at 2018-04-24 11:52:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 0.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 0.947 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

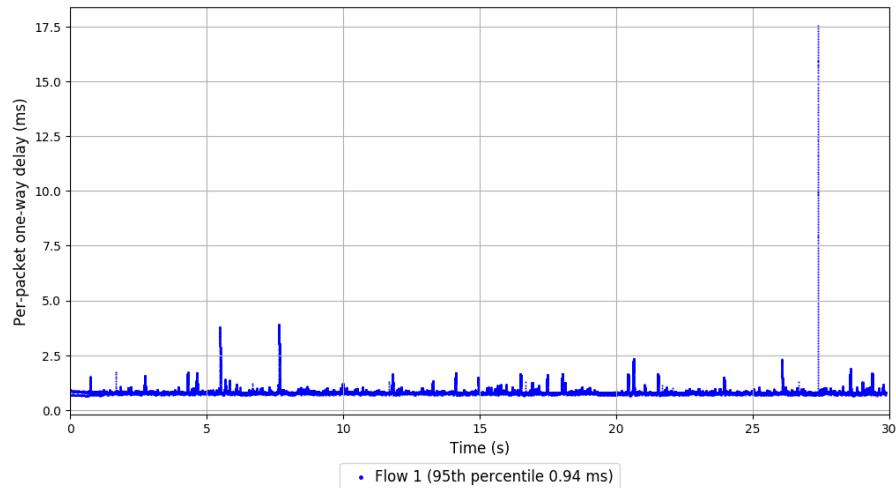
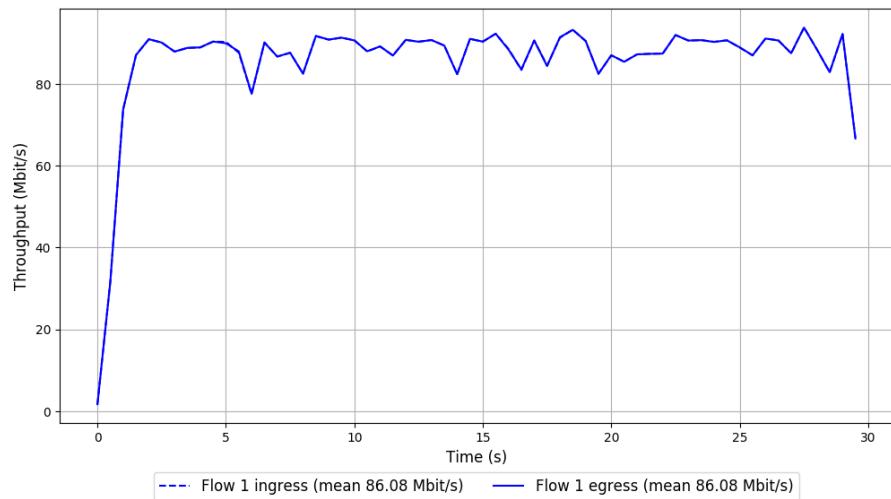


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-04-24 07:48:07
End at: 2018-04-24 07:48:37
Local clock offset: -7.03 ms
Remote clock offset: -6.101 ms

# Below is generated by plot.py at 2018-04-24 11:52:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.08 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.08 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 0.01%
```

Run 9: Report of PCC-Vivace — Data Link

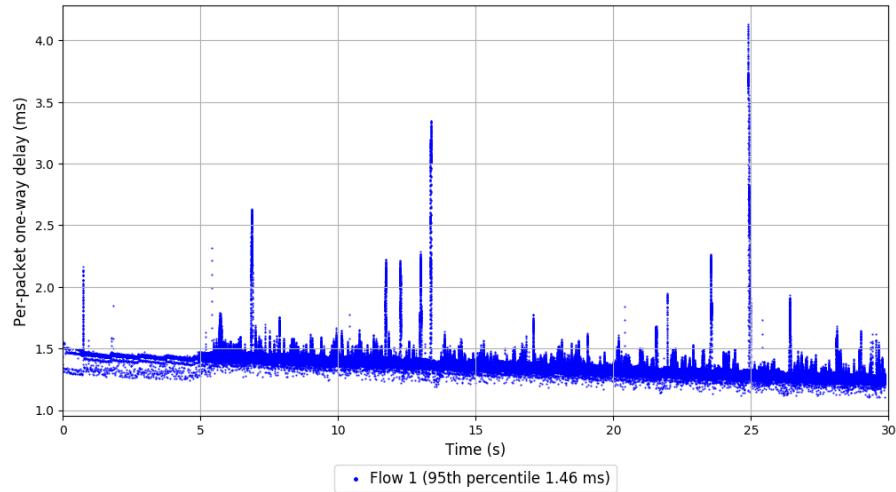
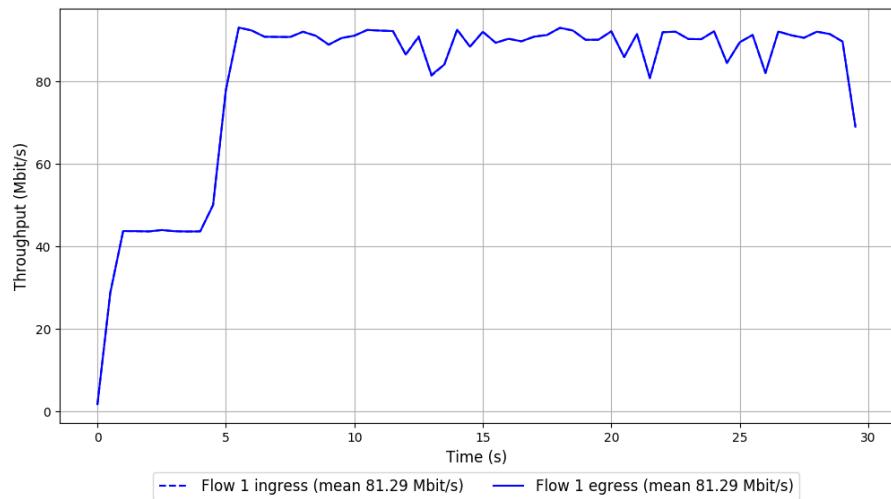


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-04-24 08:07:10
End at: 2018-04-24 08:07:40
Local clock offset: 0.288 ms
Remote clock offset: -6.691 ms

# Below is generated by plot.py at 2018-04-24 11:52:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 1.458 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 1.458 ms
Loss rate: 0.01%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 05:12:24

End at: 2018-04-24 05:12:54

Local clock offset: -8.416 ms

Remote clock offset: -6.719 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 05:31:26
End at: 2018-04-24 05:31:56
Local clock offset: -10.678 ms
Remote clock offset: -6.591 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 05:50:30
End at: 2018-04-24 05:51:00
Local clock offset: -10.358 ms
Remote clock offset: -6.533 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 06:09:33
End at: 2018-04-24 06:10:03
Local clock offset: -13.206 ms
Remote clock offset: -6.61 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 06:28:35
End at: 2018-04-24 06:29:05
Local clock offset: -9.499 ms
Remote clock offset: -6.911 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 06:47:39
End at: 2018-04-24 06:48:09
Local clock offset: -10.718 ms
Remote clock offset: -6.932 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 07:06:42

End at: 2018-04-24 07:07:12

Local clock offset: -8.175 ms

Remote clock offset: -6.936 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 07:25:44

End at: 2018-04-24 07:26:14

Local clock offset: -8.361 ms

Remote clock offset: -6.498 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 07:44:48

End at: 2018-04-24 07:45:18

Local clock offset: -7.856 ms

Remote clock offset: -6.194 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 08:03:52

End at: 2018-04-24 08:04:22

Local clock offset: -2.487 ms

Remote clock offset: -6.63 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing