

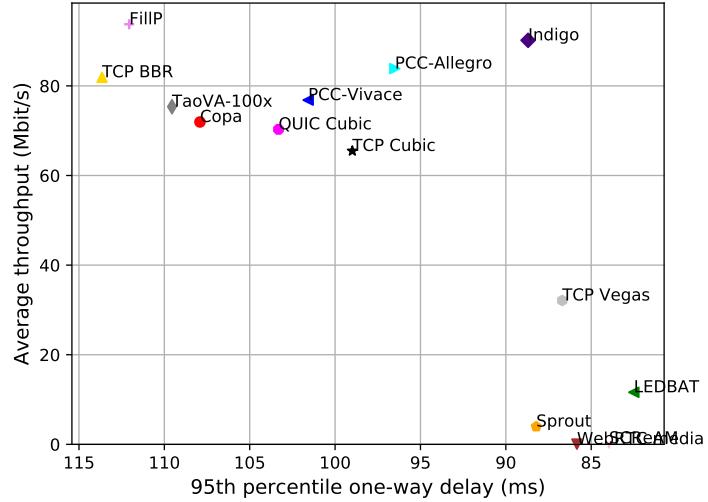
Pantheon Report

Generated at 2018-05-22 01:01:22 (UTC).
Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

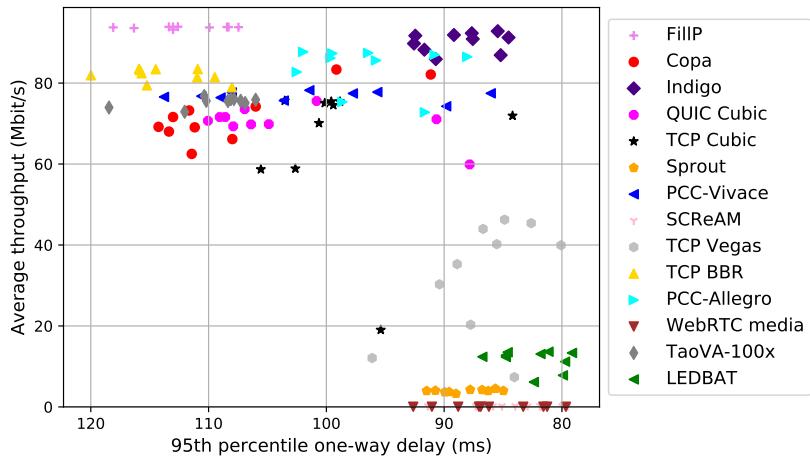
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



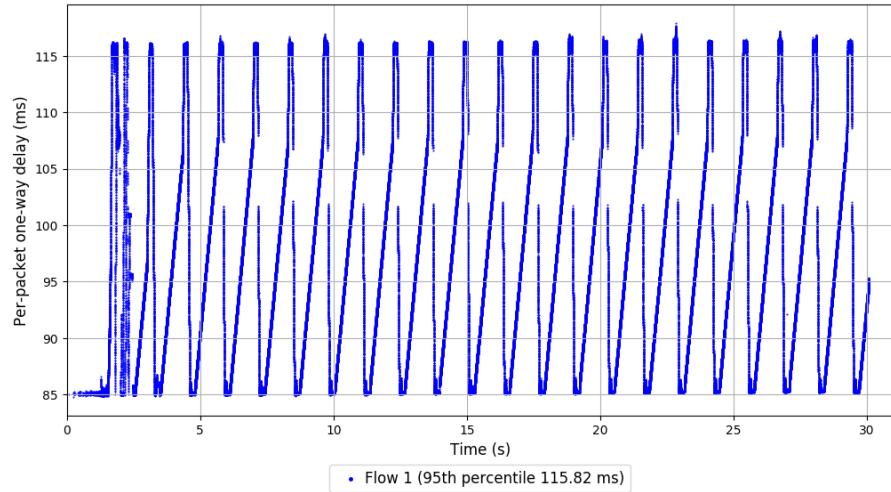
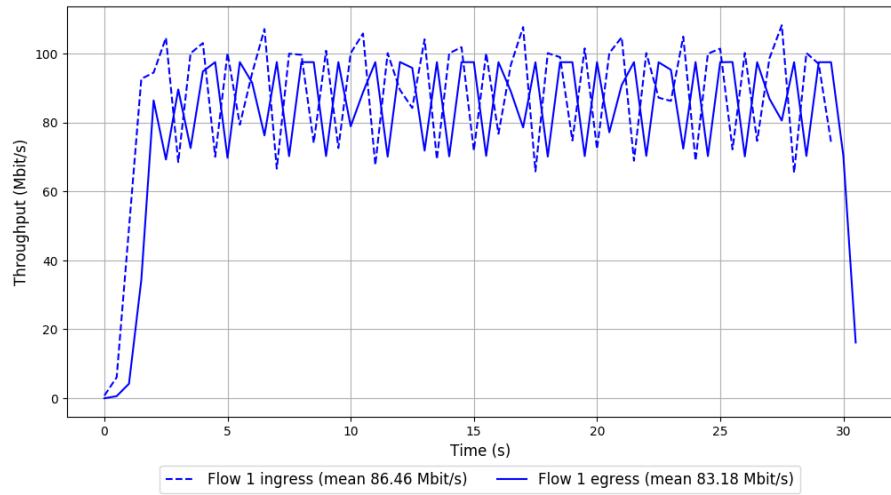
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	81.92	113.65	3.42
Copa	10	71.95	107.92	3.08
TCP Cubic	10	65.48	98.99	0.39
FillP	10	93.75	112.06	7.38
Indigo	10	90.17	88.70	0.98
LEDBAT	10	11.62	82.51	0.01
PCC-Allegro	10	83.86	96.50	1.48
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	70.30	103.31	0.40
SCReAM	10	0.22	83.96	0.01
Sprout	10	3.96	88.22	0.00
TaoVA-100x	10	75.35	109.55	0.61
TCP Vegas	10	32.10	86.70	0.39
Verus	0	N/A	N/A	N/A
PCC-Vivace	10	76.83	101.58	0.09
WebRTC media	10	0.05	85.84	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-21 21:55:49
End at: 2018-05-21 21:56:19
Local clock offset: 33.719 ms
Remote clock offset: 7.52 ms

# Below is generated by plot.py at 2018-05-22 00:47:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 115.822 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 115.822 ms
Loss rate: 3.76%
```

Run 1: Report of TCP BBR — Data Link

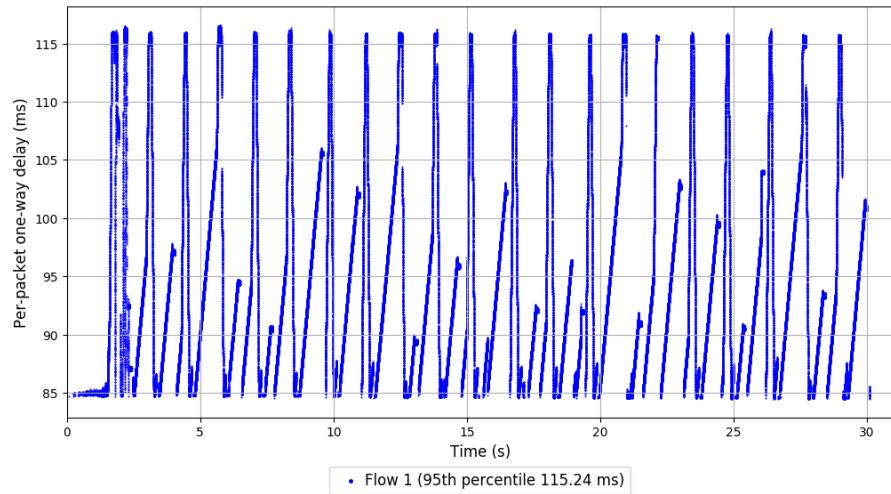
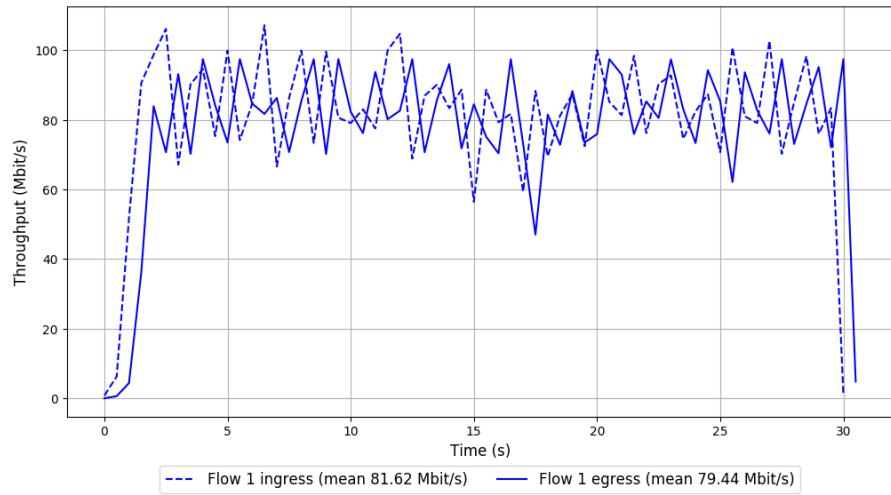


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-21 22:14:18
End at: 2018-05-21 22:14:48
Local clock offset: 1.61 ms
Remote clock offset: 7.242 ms

# Below is generated by plot.py at 2018-05-22 00:47:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.44 Mbit/s
95th percentile per-packet one-way delay: 115.237 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 79.44 Mbit/s
95th percentile per-packet one-way delay: 115.237 ms
Loss rate: 2.66%
```

Run 2: Report of TCP BBR — Data Link

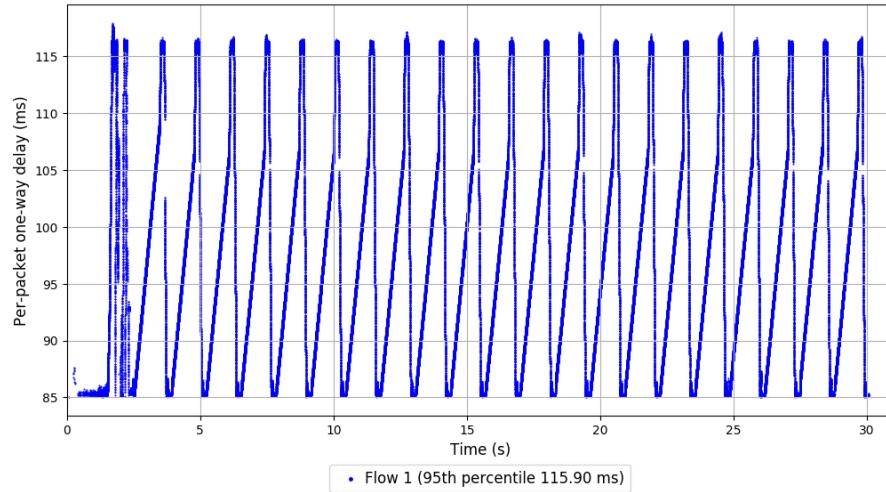
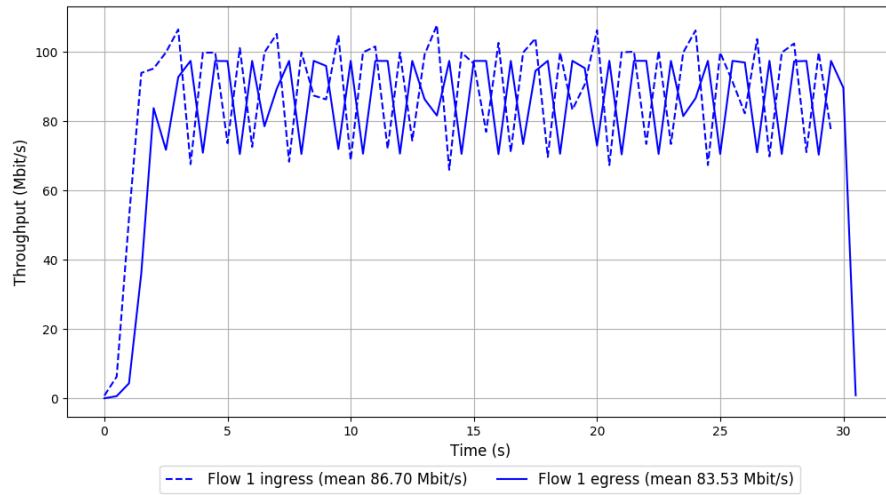


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-21 22:32:48
End at: 2018-05-21 22:33:18
Local clock offset: -3.889 ms
Remote clock offset: 7.878 ms

# Below is generated by plot.py at 2018-05-22 00:47:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 115.903 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 115.903 ms
Loss rate: 3.66%
```

Run 3: Report of TCP BBR — Data Link

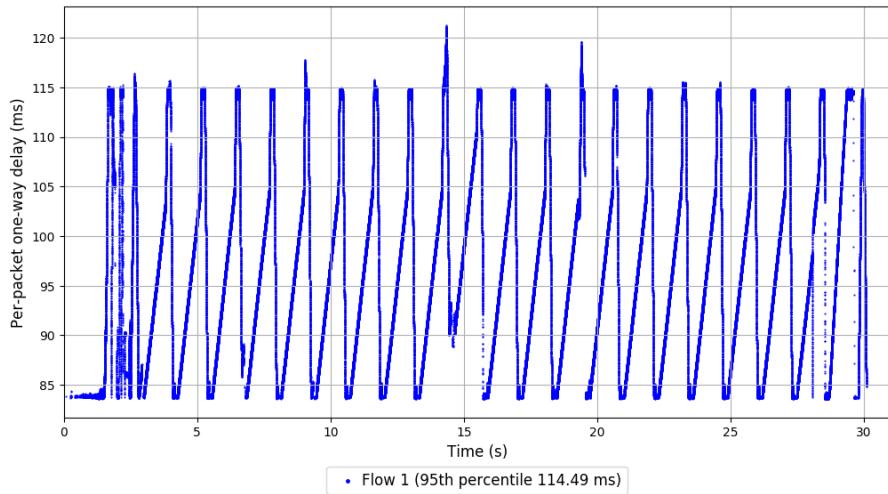
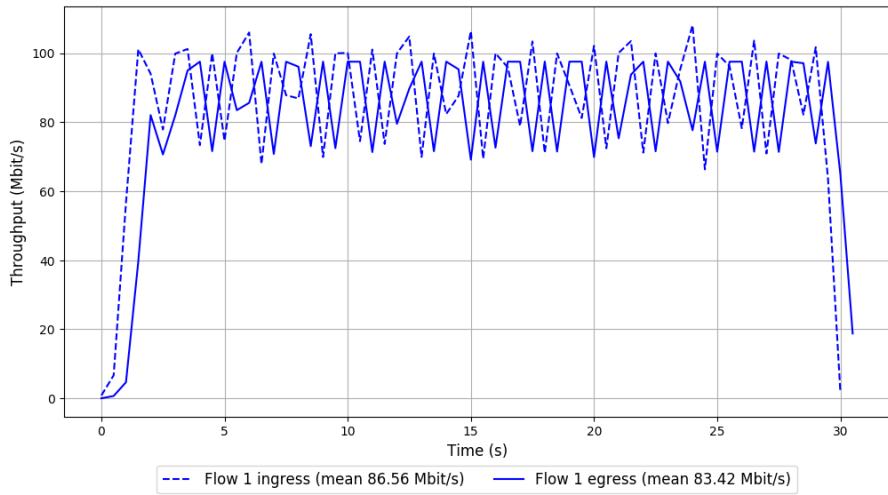


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-21 22:51:18
End at: 2018-05-21 22:51:48
Local clock offset: -5.064 ms
Remote clock offset: 8.185 ms

# Below is generated by plot.py at 2018-05-22 00:47:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 114.487 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 114.487 ms
Loss rate: 3.62%
```

Run 4: Report of TCP BBR — Data Link

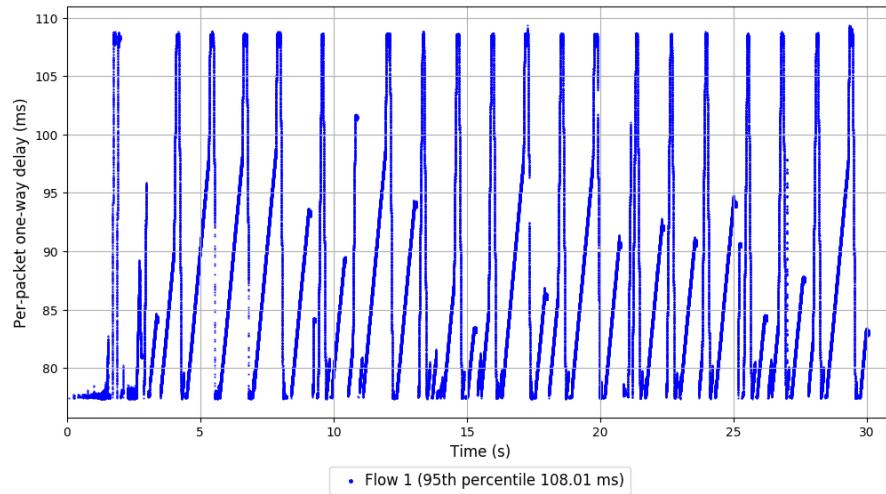
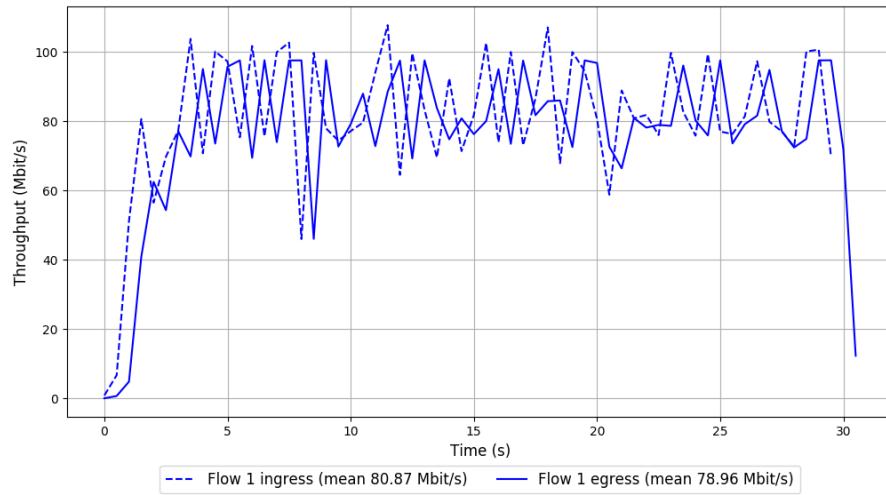


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-21 23:09:53
End at: 2018-05-21 23:10:23
Local clock offset: -1.877 ms
Remote clock offset: 4.139 ms

# Below is generated by plot.py at 2018-05-22 00:47:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.96 Mbit/s
95th percentile per-packet one-way delay: 108.012 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 78.96 Mbit/s
95th percentile per-packet one-way delay: 108.012 ms
Loss rate: 2.34%
```

Run 5: Report of TCP BBR — Data Link

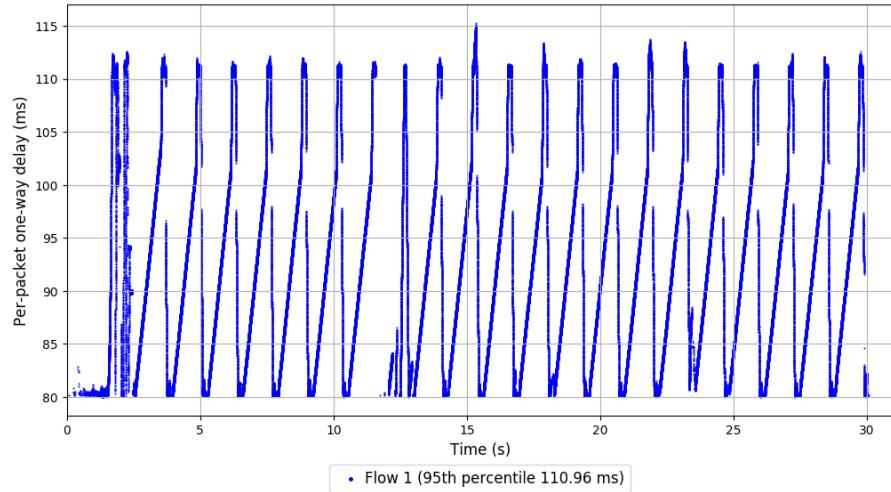
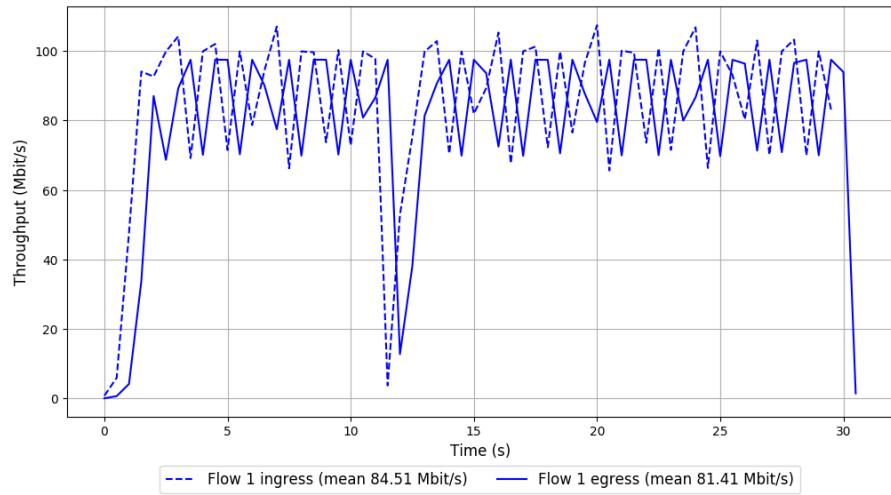


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-21 23:28:21
End at: 2018-05-21 23:28:51
Local clock offset: -2.647 ms
Remote clock offset: 3.224 ms

# Below is generated by plot.py at 2018-05-22 00:47:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 110.962 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 110.962 ms
Loss rate: 3.67%
```

Run 6: Report of TCP BBR — Data Link

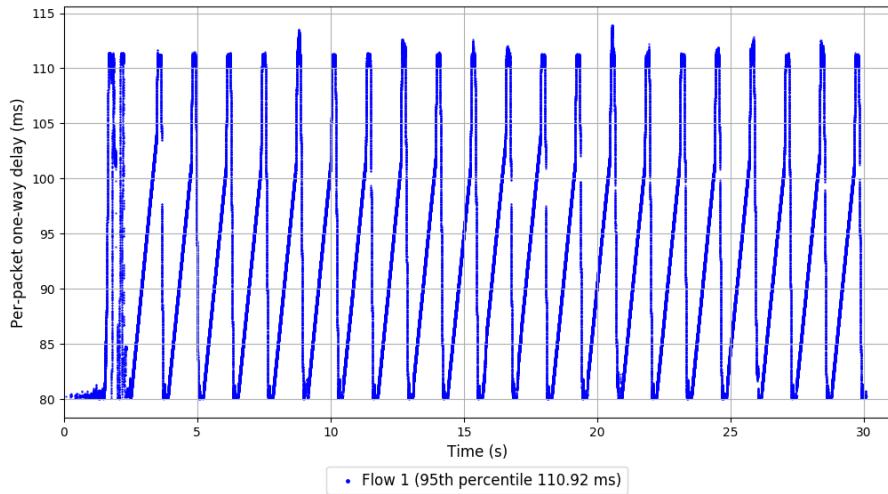
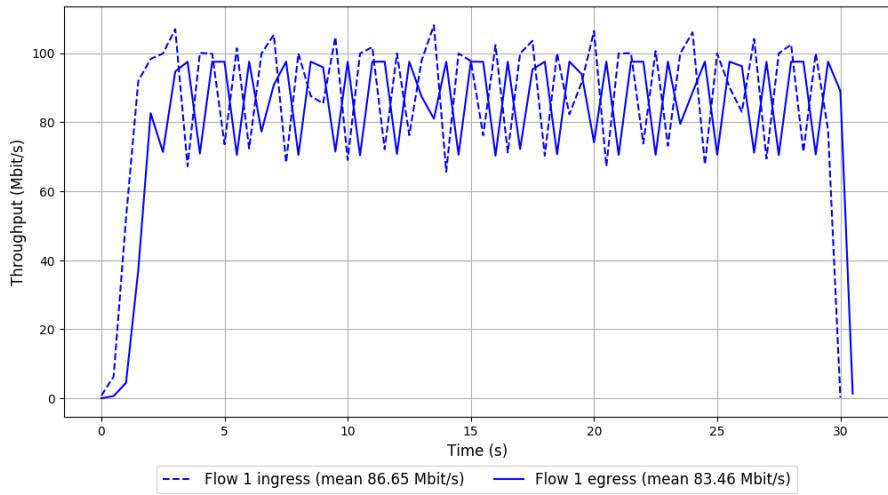


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-21 23:46:51
End at: 2018-05-21 23:47:21
Local clock offset: -3.032 ms
Remote clock offset: 3.779 ms

# Below is generated by plot.py at 2018-05-22 00:47:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 110.924 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 110.924 ms
Loss rate: 3.68%
```

Run 7: Report of TCP BBR — Data Link

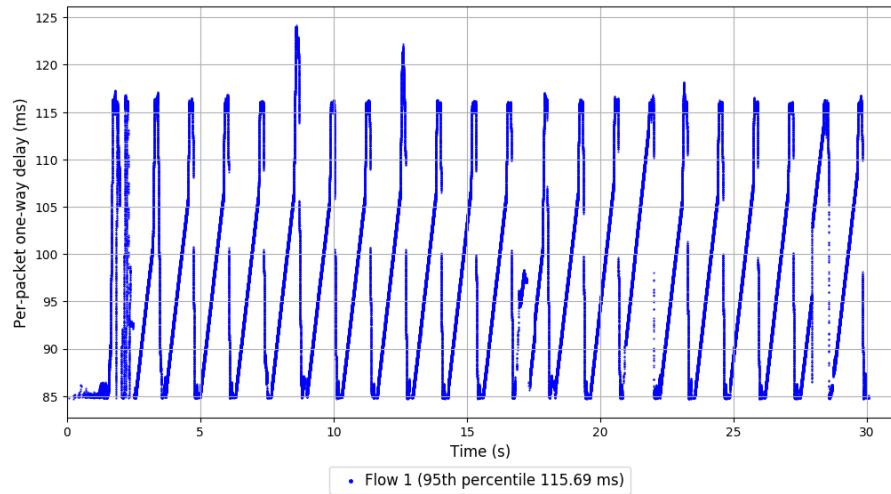
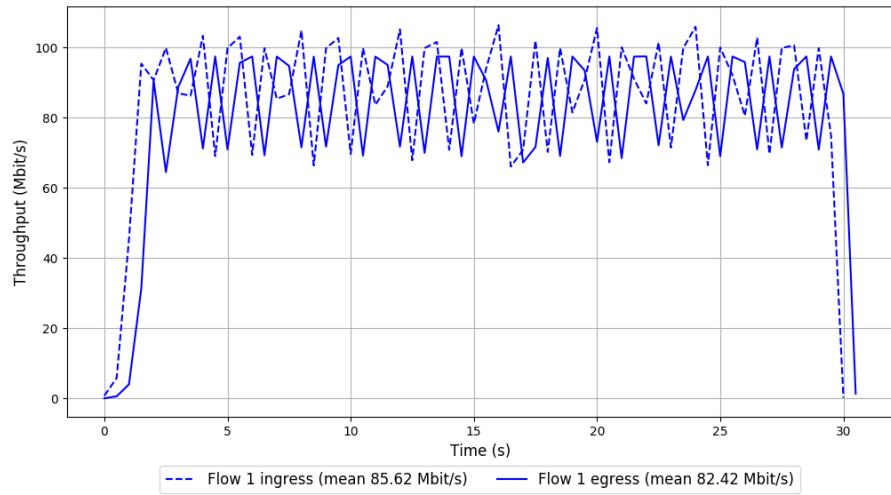


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-22 00:05:19
End at: 2018-05-22 00:05:49
Local clock offset: -6.183 ms
Remote clock offset: 3.915 ms

# Below is generated by plot.py at 2018-05-22 00:47:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 115.690 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 115.690 ms
Loss rate: 3.75%
```

Run 8: Report of TCP BBR — Data Link

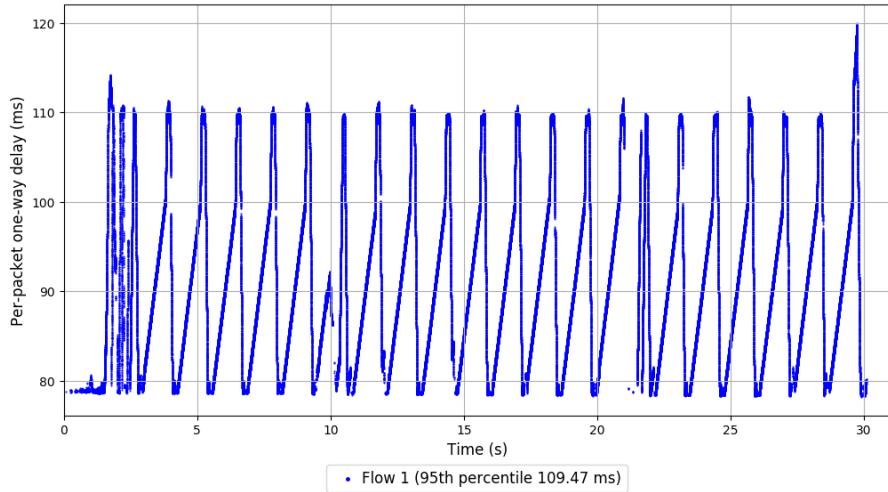
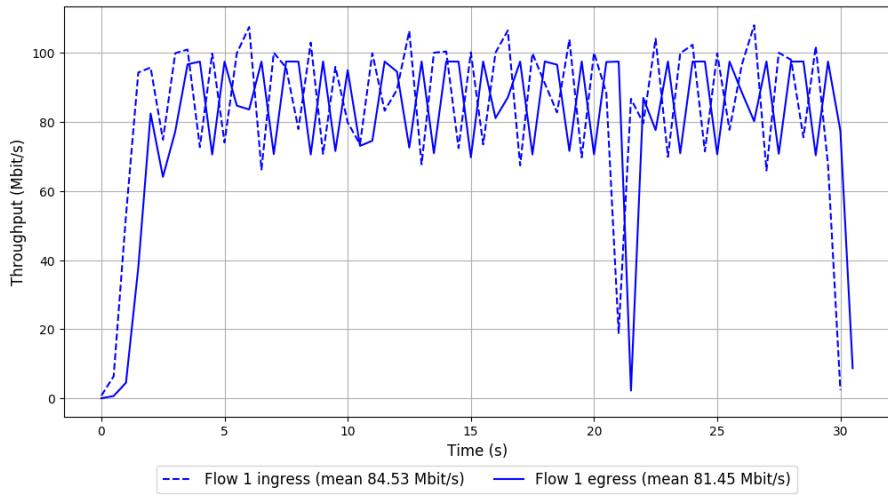


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-22 00:23:49
End at: 2018-05-22 00:24:19
Local clock offset: -8.831 ms
Remote clock offset: 3.927 ms

# Below is generated by plot.py at 2018-05-22 00:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 109.469 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 109.469 ms
Loss rate: 3.64%
```

Run 9: Report of TCP BBR — Data Link

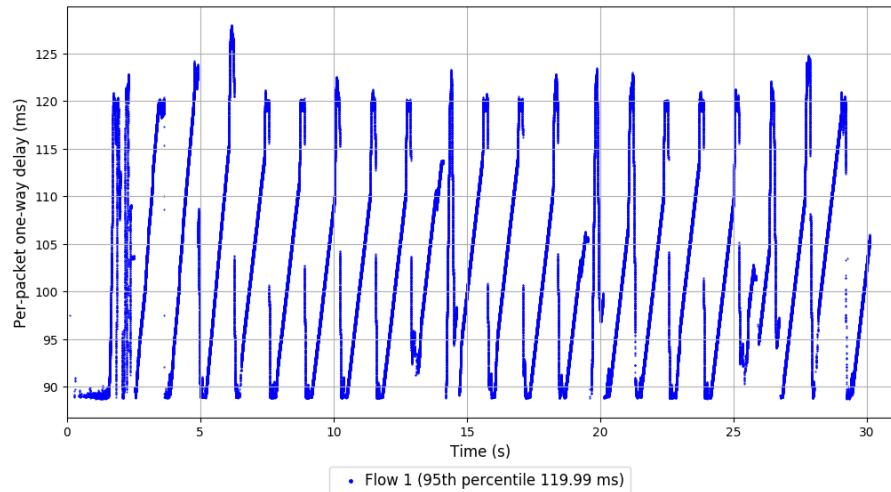
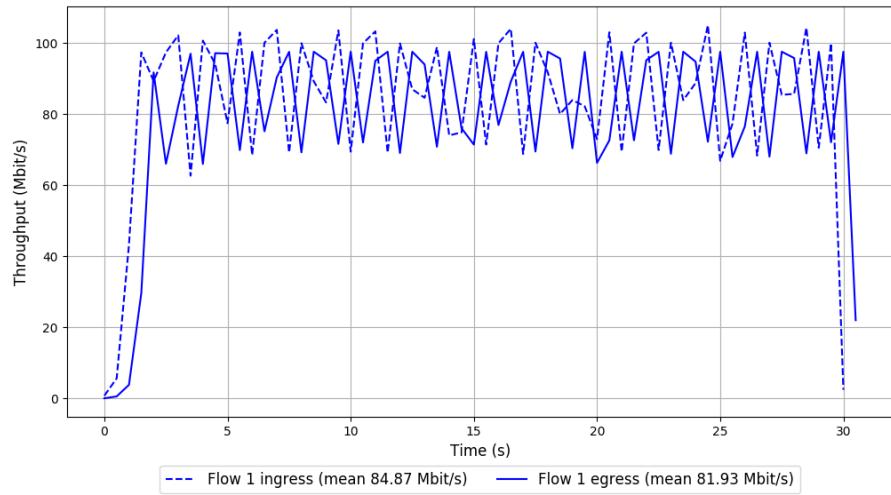


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-22 00:42:17
End at: 2018-05-22 00:42:47
Local clock offset: -3.629 ms
Remote clock offset: 16.319 ms

# Below is generated by plot.py at 2018-05-22 00:48:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.93 Mbit/s
95th percentile per-packet one-way delay: 119.990 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 81.93 Mbit/s
95th percentile per-packet one-way delay: 119.990 ms
Loss rate: 3.45%
```

Run 10: Report of TCP BBR — Data Link

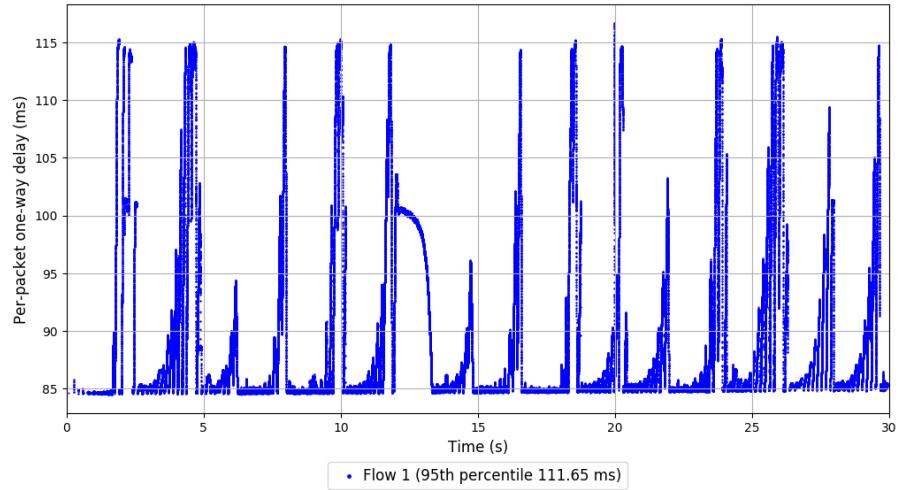
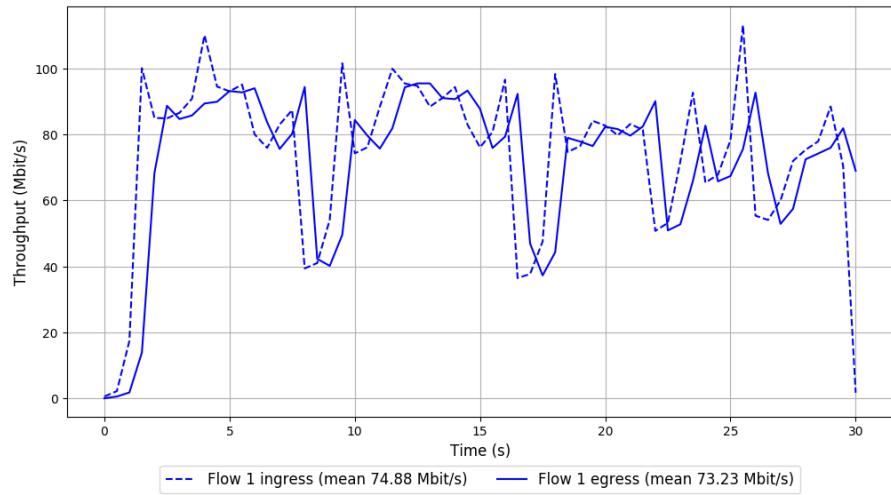


Run 1: Statistics of Copa

```
Start at: 2018-05-21 21:45:20
End at: 2018-05-21 21:45:50
Local clock offset: 26.913 ms
Remote clock offset: 6.808 ms

# Below is generated by plot.py at 2018-05-22 00:48:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.23 Mbit/s
95th percentile per-packet one-way delay: 111.652 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 73.23 Mbit/s
95th percentile per-packet one-way delay: 111.652 ms
Loss rate: 2.74%
```

Run 1: Report of Copa — Data Link

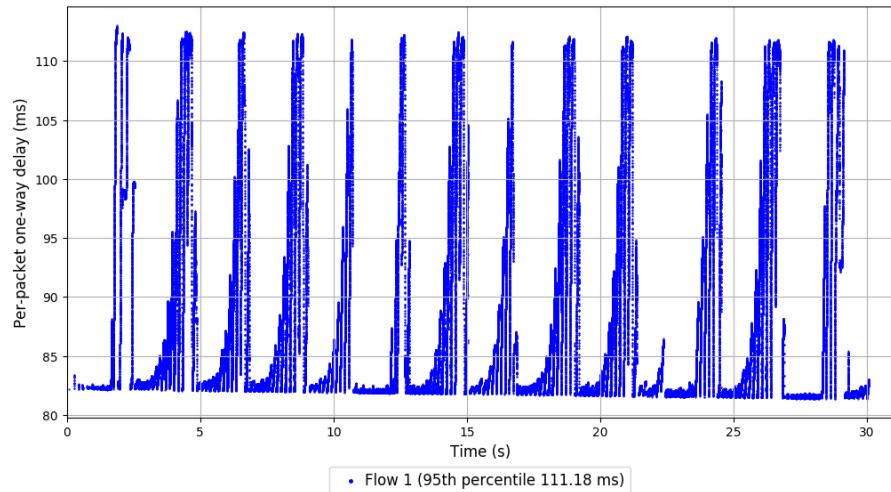
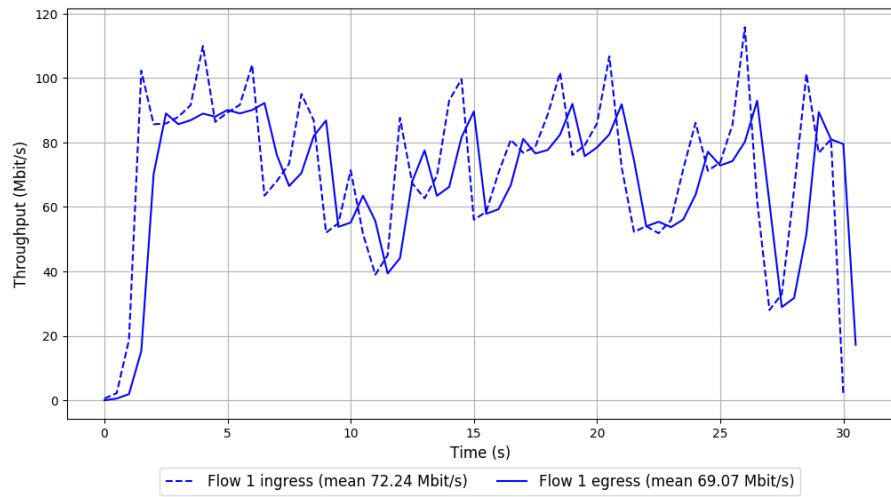


Run 2: Statistics of Copa

```
Start at: 2018-05-21 22:03:48
End at: 2018-05-21 22:04:18
Local clock offset: 12.73 ms
Remote clock offset: 6.678 ms

# Below is generated by plot.py at 2018-05-22 00:48:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.07 Mbit/s
95th percentile per-packet one-way delay: 111.176 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 69.07 Mbit/s
95th percentile per-packet one-way delay: 111.176 ms
Loss rate: 4.39%
```

Run 2: Report of Copa — Data Link

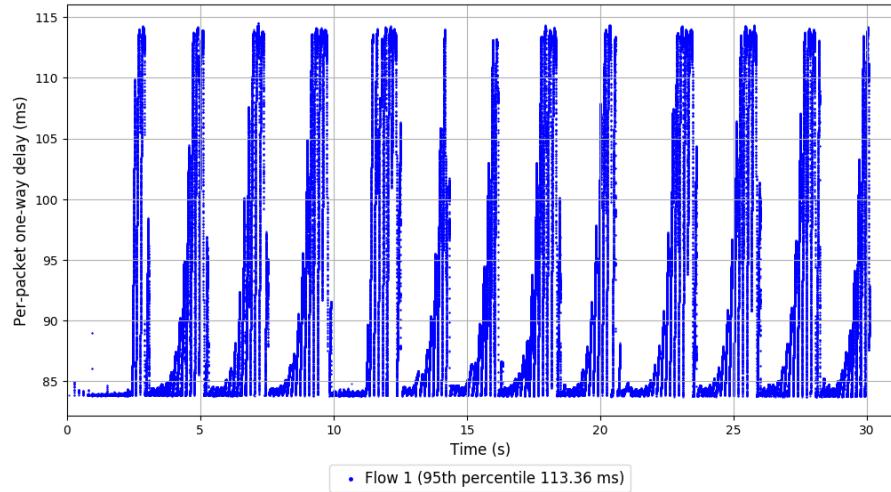
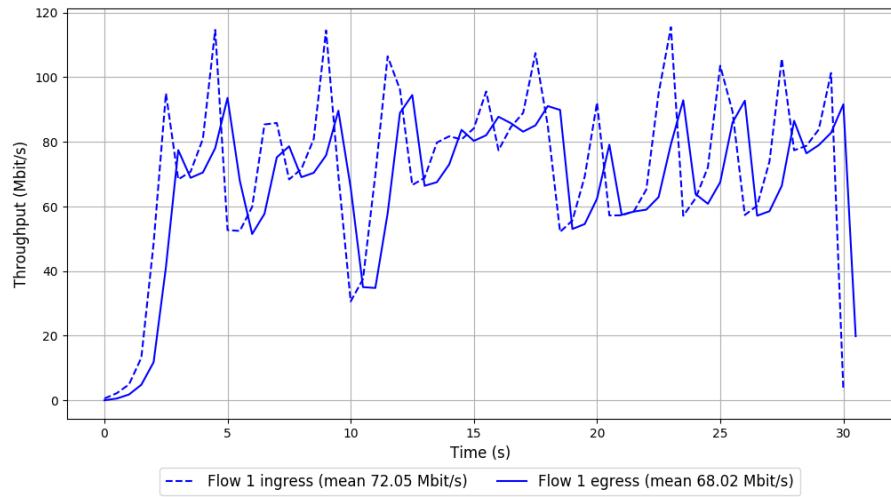


Run 3: Statistics of Copa

```
Start at: 2018-05-21 22:22:17
End at: 2018-05-21 22:22:47
Local clock offset: -0.798 ms
Remote clock offset: 7.21 ms

# Below is generated by plot.py at 2018-05-22 00:48:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 113.364 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 113.364 ms
Loss rate: 5.56%
```

Run 3: Report of Copa — Data Link

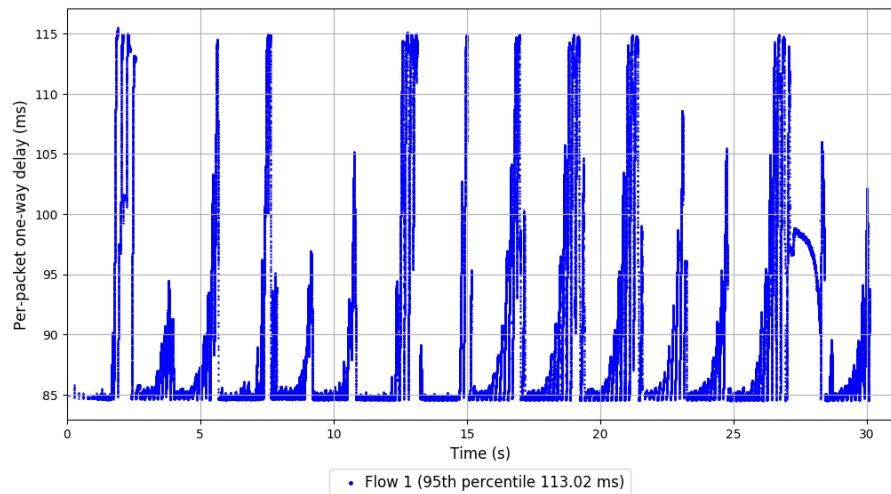
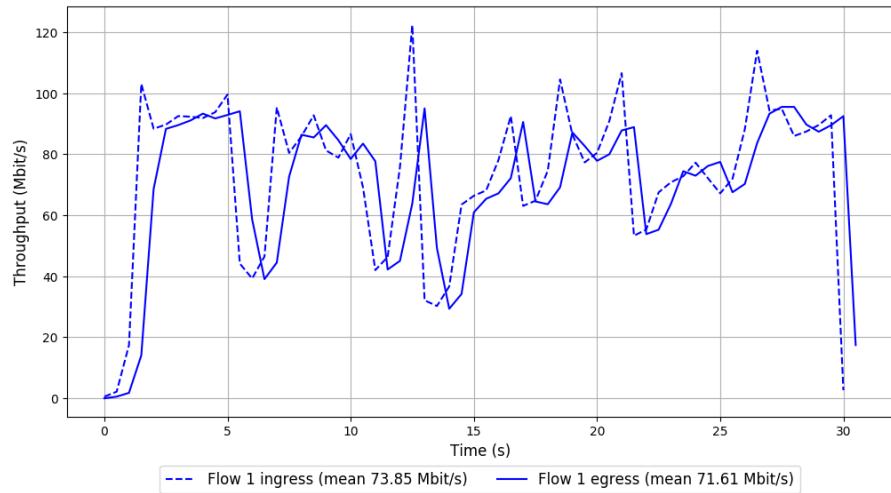


Run 4: Statistics of Copa

```
Start at: 2018-05-21 22:40:47
End at: 2018-05-21 22:41:17
Local clock offset: -3.628 ms
Remote clock offset: 7.137 ms

# Below is generated by plot.py at 2018-05-22 00:48:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.61 Mbit/s
95th percentile per-packet one-way delay: 113.017 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 71.61 Mbit/s
95th percentile per-packet one-way delay: 113.017 ms
Loss rate: 3.00%
```

Run 4: Report of Copa — Data Link

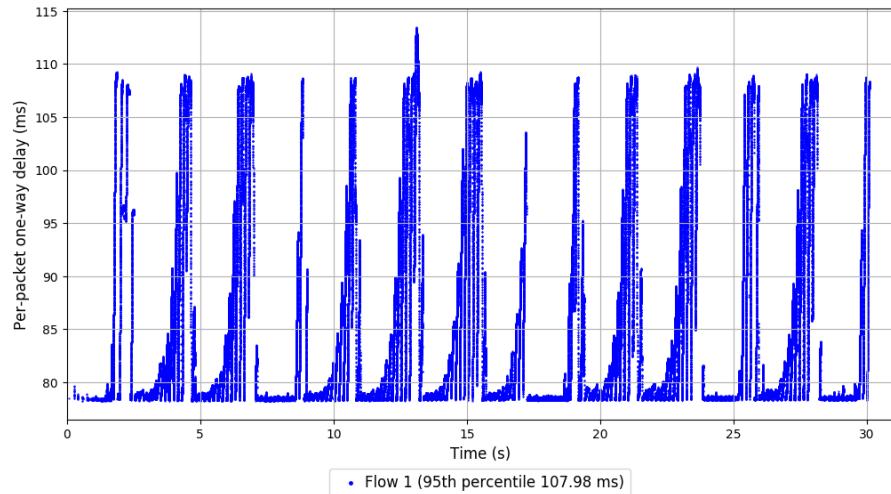
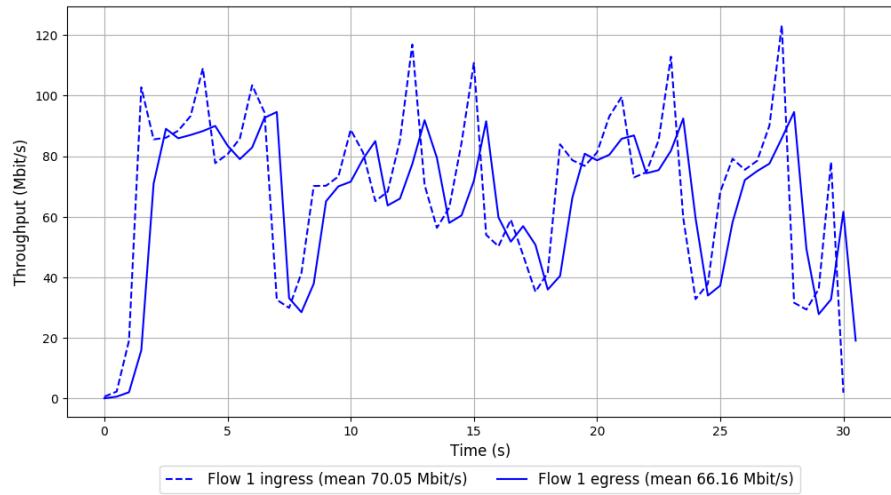


Run 5: Statistics of Copa

```
Start at: 2018-05-21 22:59:17
End at: 2018-05-21 22:59:47
Local clock offset: -3.863 ms
Remote clock offset: 3.849 ms

# Below is generated by plot.py at 2018-05-22 00:48:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.16 Mbit/s
95th percentile per-packet one-way delay: 107.983 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 66.16 Mbit/s
95th percentile per-packet one-way delay: 107.983 ms
Loss rate: 5.46%
```

Run 5: Report of Copa — Data Link

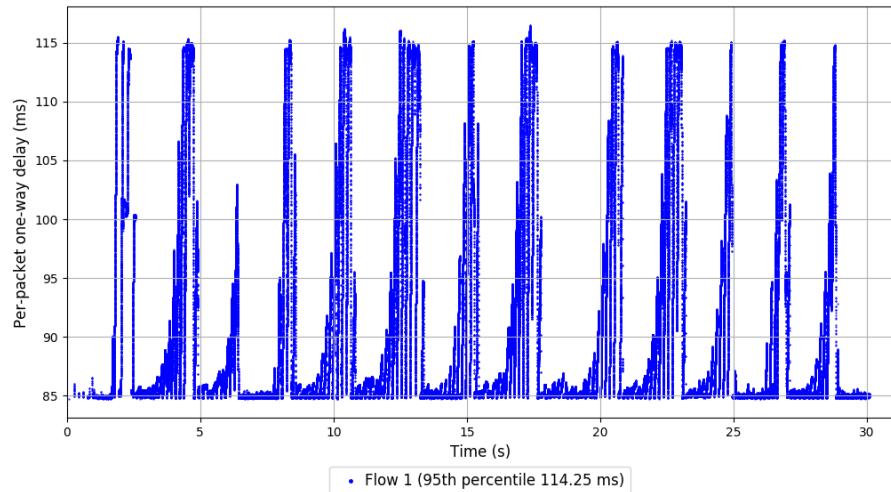
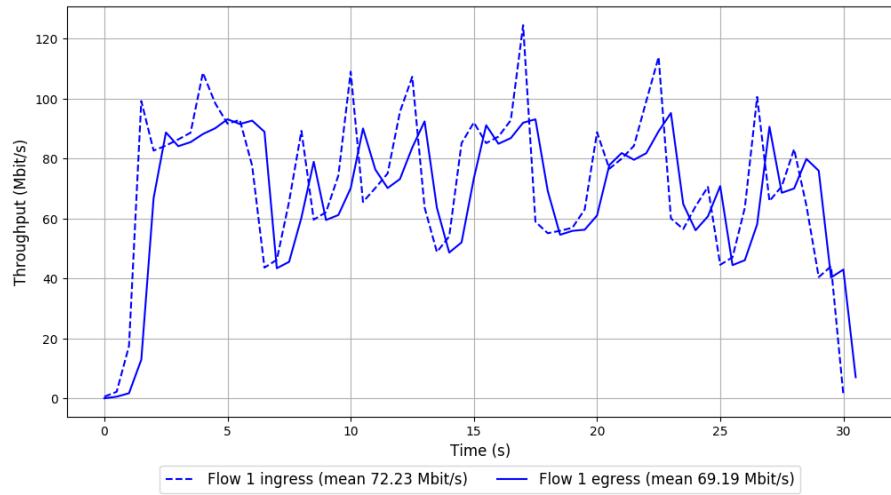


Run 6: Statistics of Copa

```
Start at: 2018-05-21 23:17:52
End at: 2018-05-21 23:18:22
Local clock offset: -2.399 ms
Remote clock offset: 8.364 ms

# Below is generated by plot.py at 2018-05-22 00:48:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 114.249 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 114.249 ms
Loss rate: 4.21%
```

Run 6: Report of Copa — Data Link

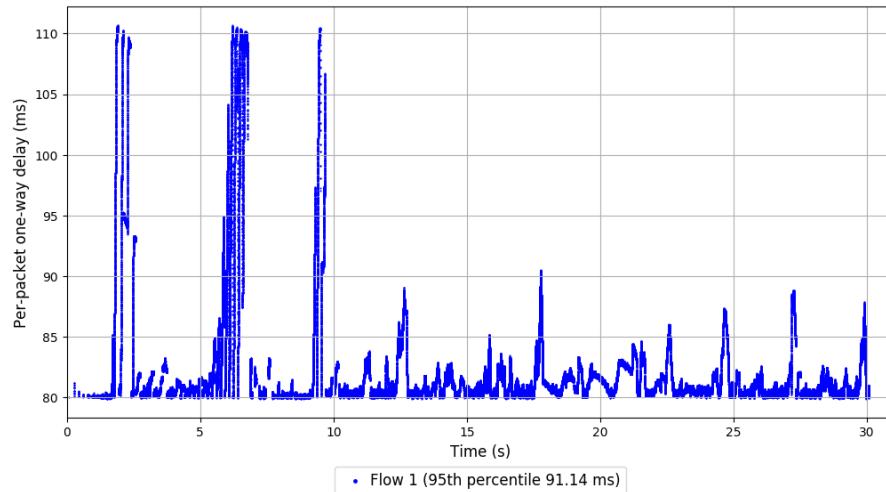
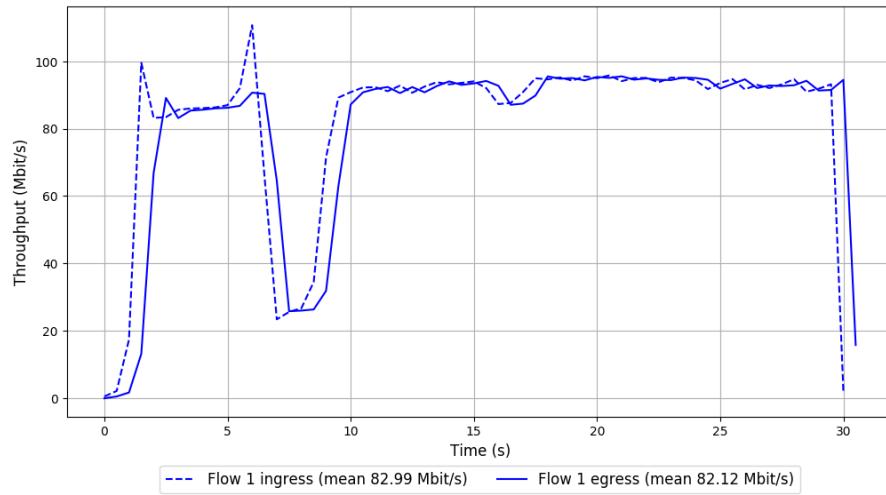


Run 7: Statistics of Copa

```
Start at: 2018-05-21 23:36:20
End at: 2018-05-21 23:36:50
Local clock offset: -3.275 ms
Remote clock offset: 3.048 ms

# Below is generated by plot.py at 2018-05-22 00:50:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 91.135 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 91.135 ms
Loss rate: 1.05%
```

Run 7: Report of Copa — Data Link

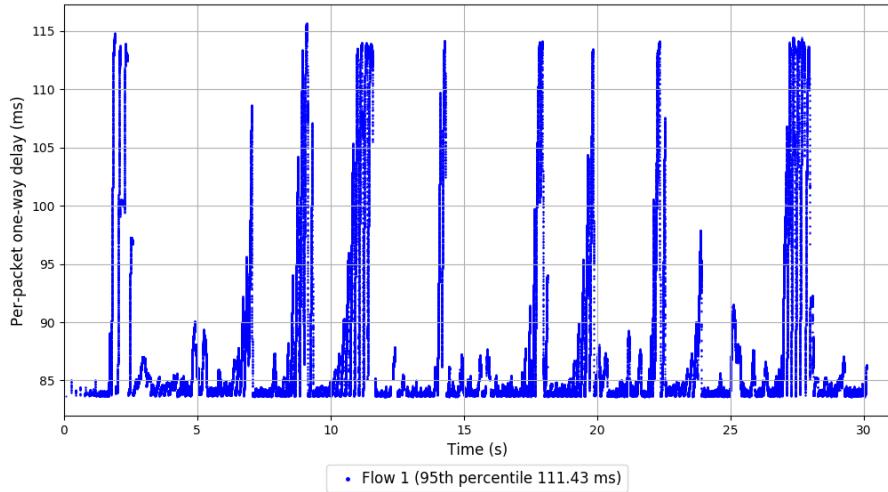
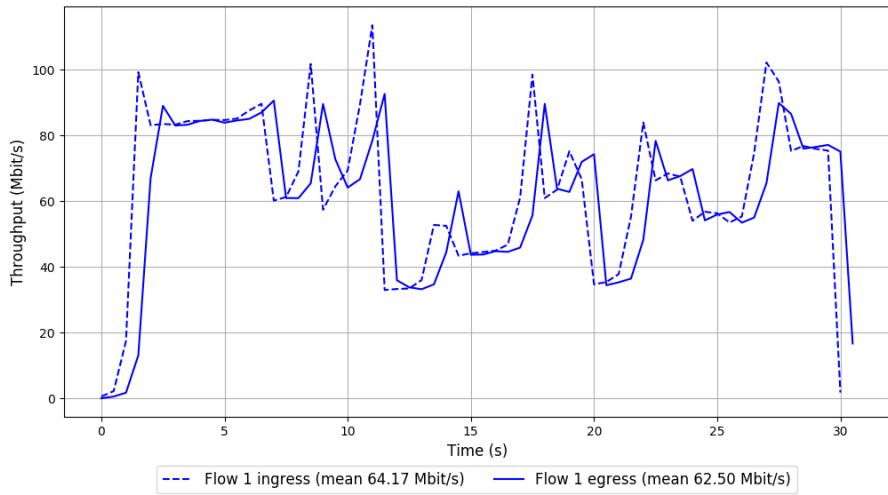


Run 8: Statistics of Copa

```
Start at: 2018-05-21 23:54:50
End at: 2018-05-21 23:55:20
Local clock offset: -4.065 ms
Remote clock offset: 6.817 ms

# Below is generated by plot.py at 2018-05-22 00:50:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 111.430 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 111.430 ms
Loss rate: 2.61%
```

Run 8: Report of Copa — Data Link

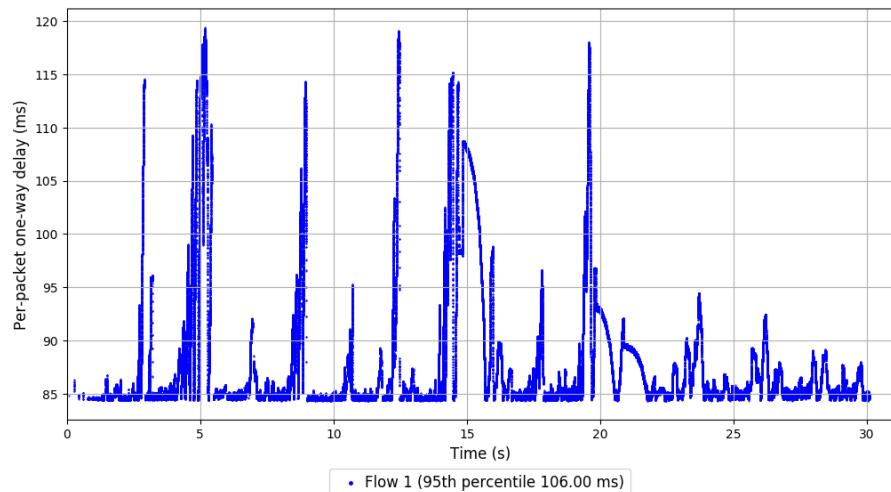
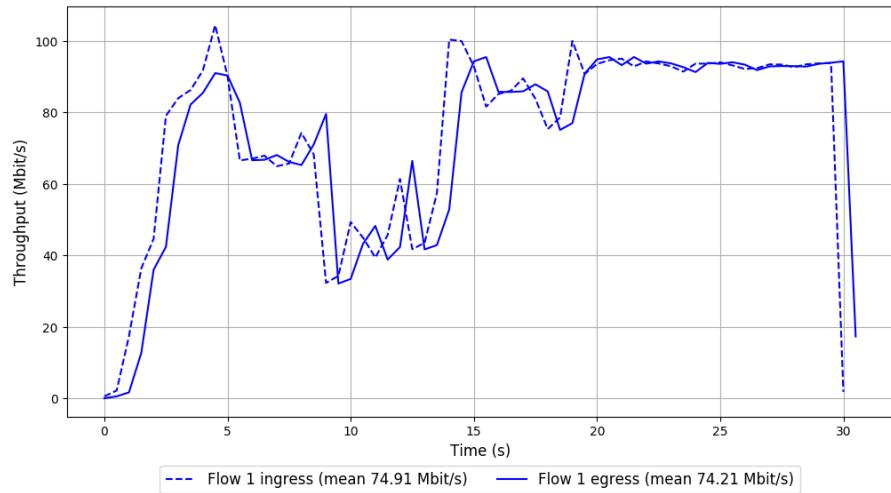


Run 9: Statistics of Copa

```
Start at: 2018-05-22 00:13:18
End at: 2018-05-22 00:13:48
Local clock offset: -7.162 ms
Remote clock offset: 7.536 ms

# Below is generated by plot.py at 2018-05-22 00:50:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 105.999 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 105.999 ms
Loss rate: 0.94%
```

Run 9: Report of Copa — Data Link

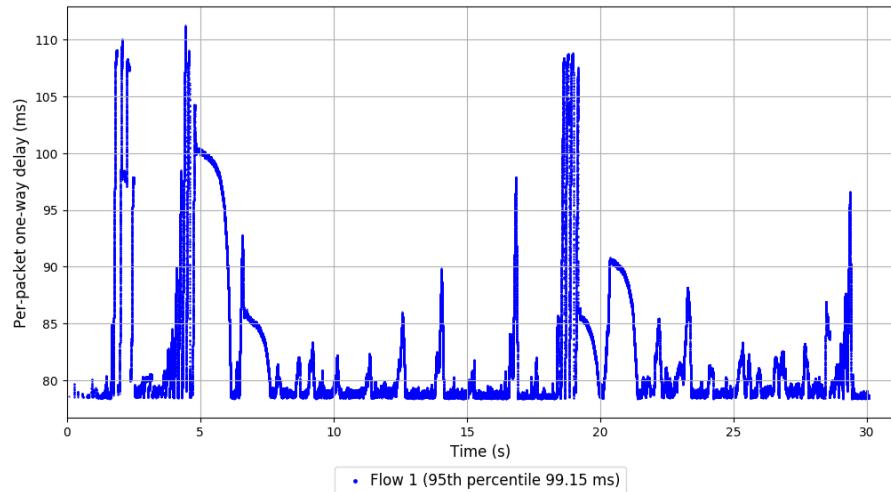
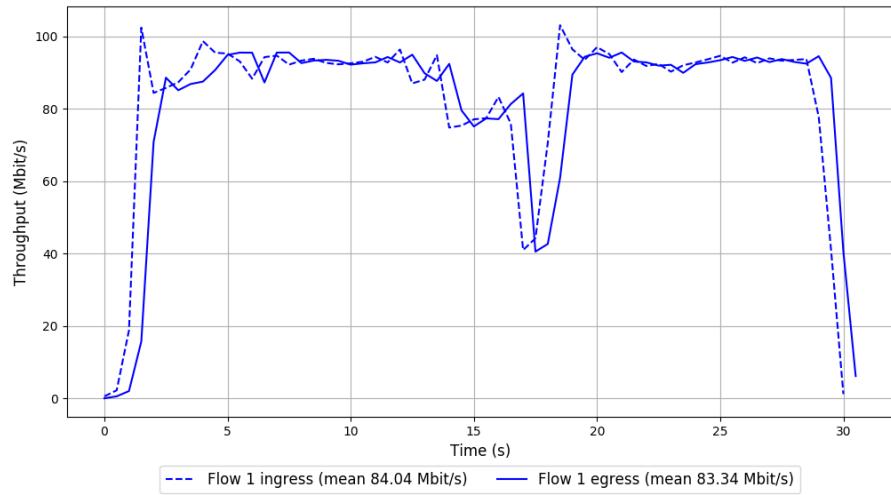


Run 10: Statistics of Copa

```
Start at: 2018-05-22 00:31:48
End at: 2018-05-22 00:32:18
Local clock offset: -5.011 ms
Remote clock offset: 9.237 ms

# Below is generated by plot.py at 2018-05-22 00:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 99.147 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 99.147 ms
Loss rate: 0.82%
```

Run 10: Report of Copa — Data Link

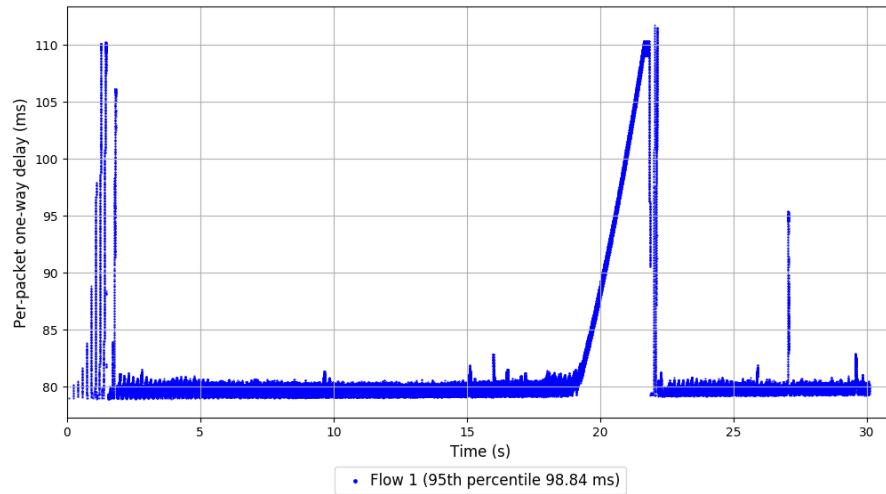
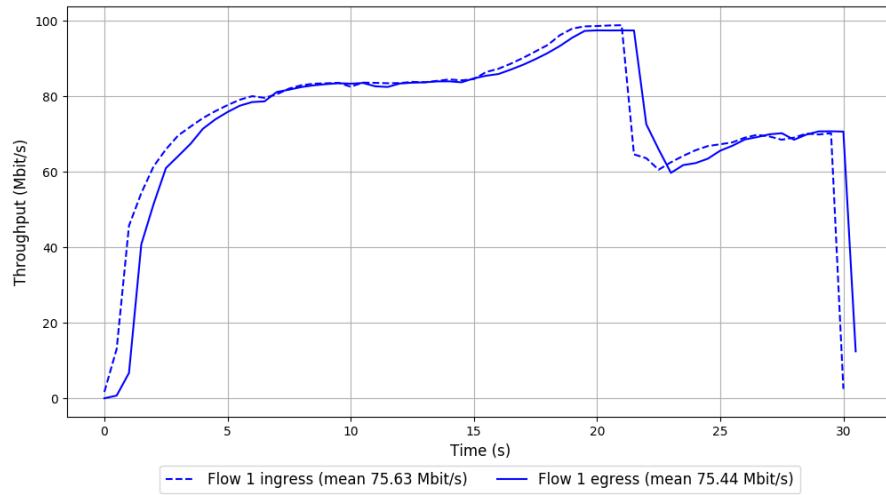


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-21 21:53:31
End at: 2018-05-21 21:54:01
Local clock offset: 33.028 ms
Remote clock offset: 3.674 ms

# Below is generated by plot.py at 2018-05-22 00:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 98.840 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 98.840 ms
Loss rate: 0.25%
```

Run 1: Report of TCP Cubic — Data Link

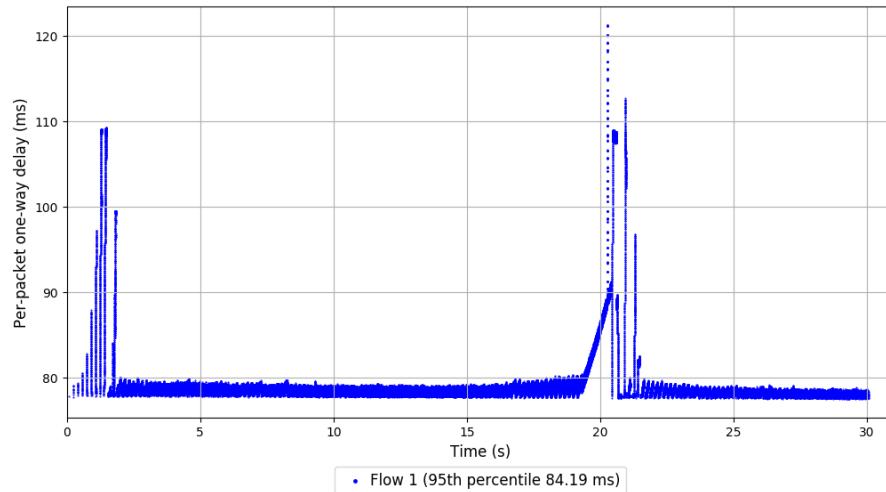
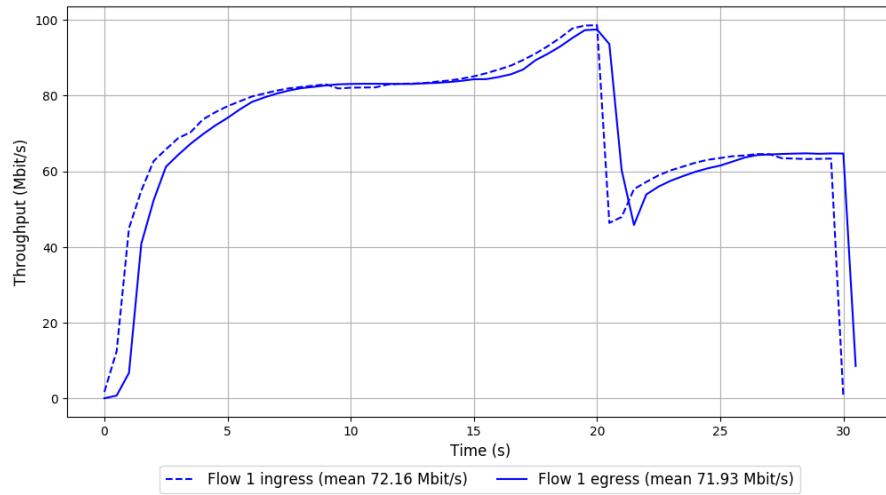


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-21 22:12:00
End at: 2018-05-21 22:12:30
Local clock offset: 3.209 ms
Remote clock offset: 2.771 ms

# Below is generated by plot.py at 2018-05-22 00:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.93 Mbit/s
95th percentile per-packet one-way delay: 84.192 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 71.93 Mbit/s
95th percentile per-packet one-way delay: 84.192 ms
Loss rate: 0.31%
```

Run 2: Report of TCP Cubic — Data Link

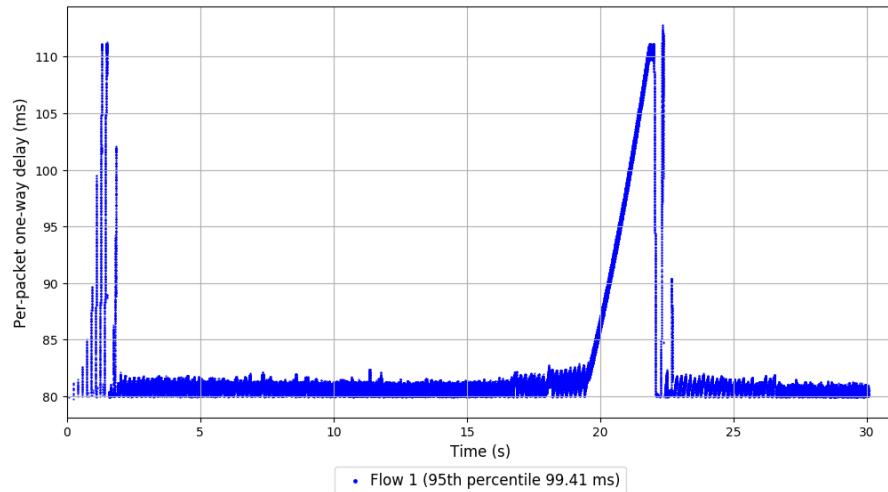
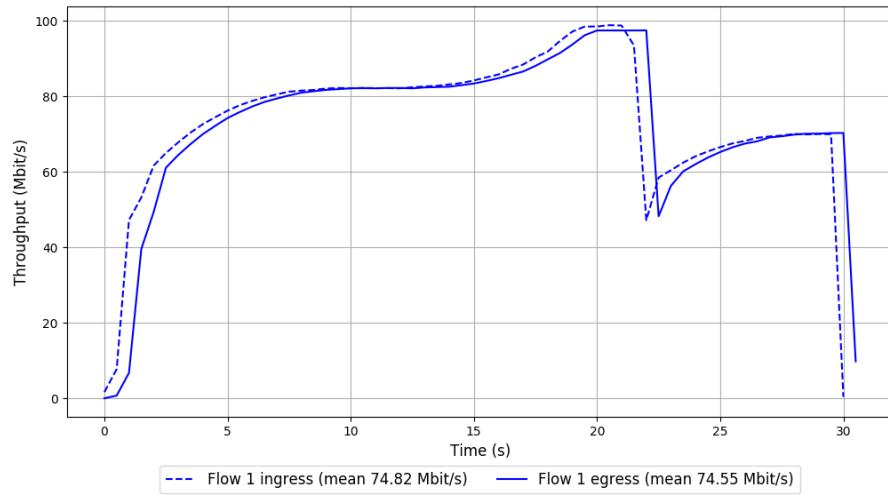


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-21 22:30:30
End at: 2018-05-21 22:31:00
Local clock offset: -2.84 ms
Remote clock offset: 2.468 ms

# Below is generated by plot.py at 2018-05-22 00:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.55 Mbit/s
95th percentile per-packet one-way delay: 99.411 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 74.55 Mbit/s
95th percentile per-packet one-way delay: 99.411 ms
Loss rate: 0.36%
```

Run 3: Report of TCP Cubic — Data Link

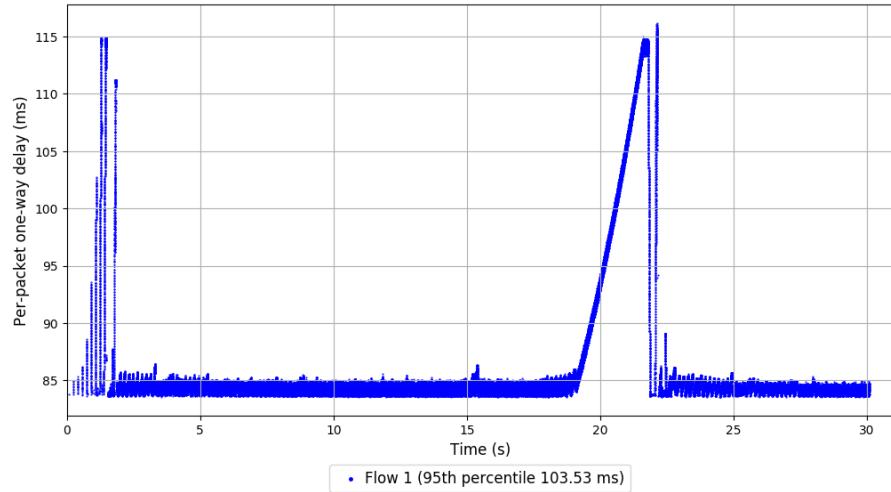
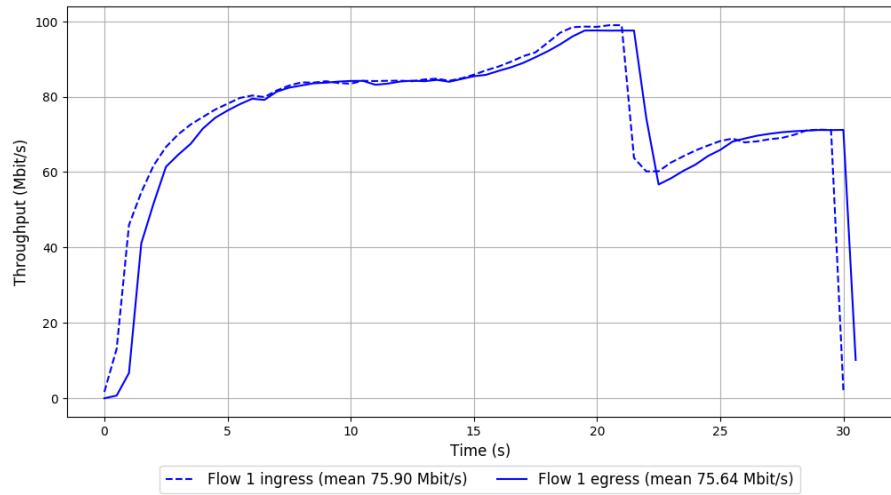


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-21 22:49:00
End at: 2018-05-21 22:49:30
Local clock offset: -4.869 ms
Remote clock offset: 8.007 ms

# Below is generated by plot.py at 2018-05-22 00:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 103.532 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 103.532 ms
Loss rate: 0.33%
```

Run 4: Report of TCP Cubic — Data Link

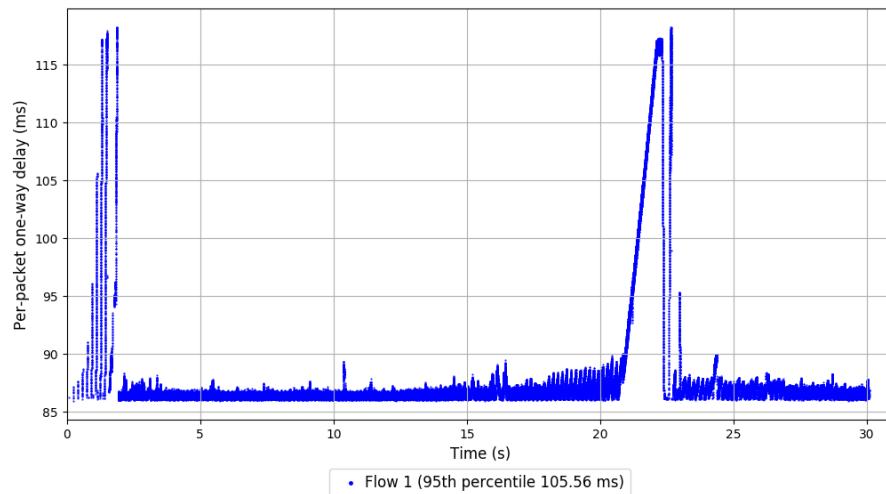
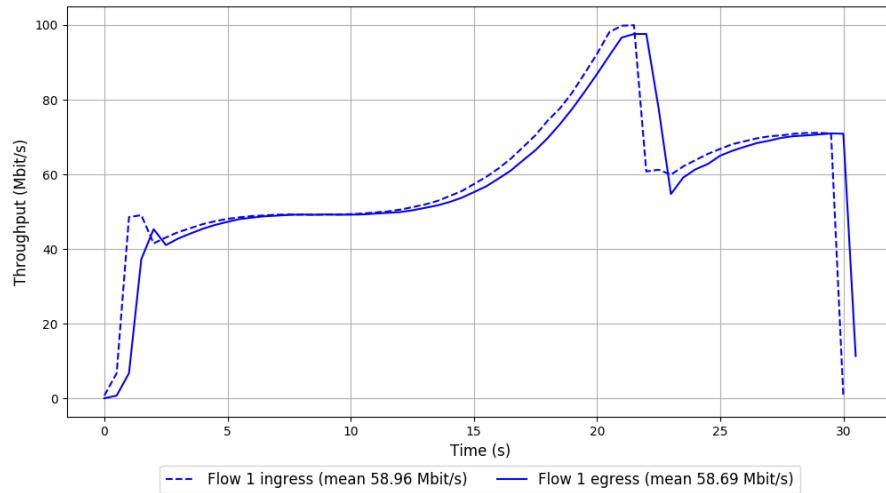


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:07:30
End at: 2018-05-21 23:08:00
Local clock offset: -2.782 ms
Remote clock offset: 9.551 ms

# Below is generated by plot.py at 2018-05-22 00:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 105.560 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 105.560 ms
Loss rate: 0.45%
```

Run 5: Report of TCP Cubic — Data Link

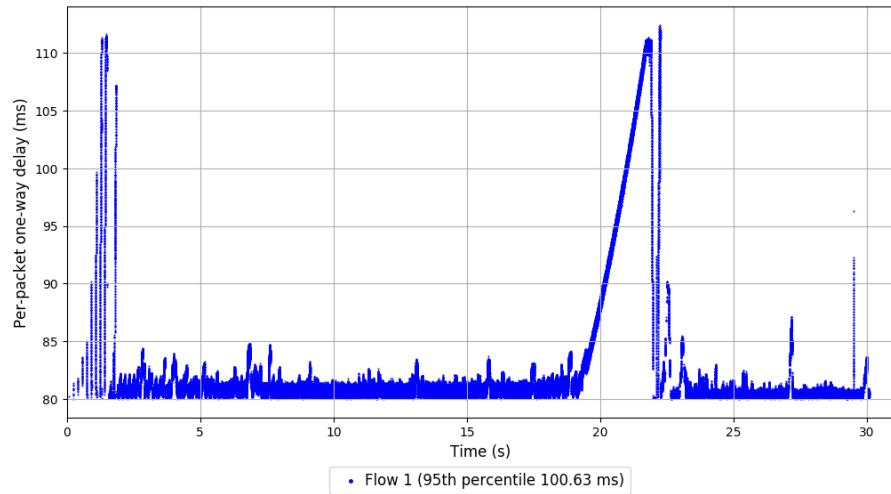
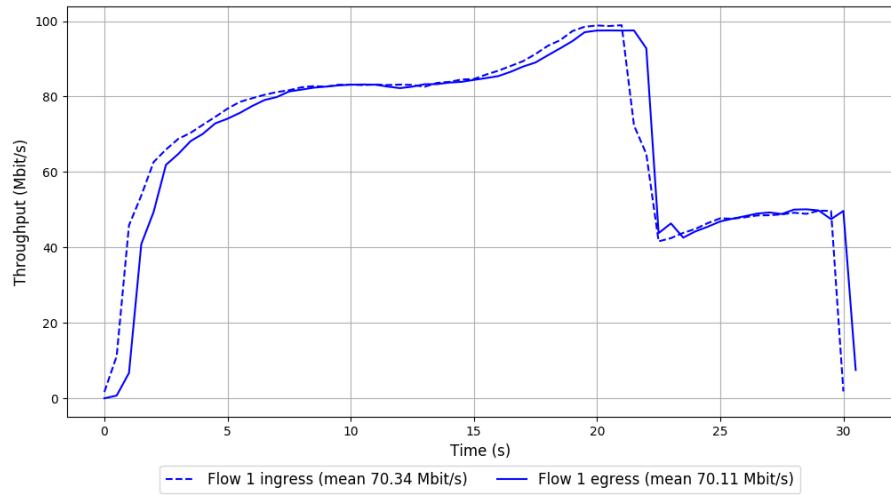


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:26:03
End at: 2018-05-21 23:26:33
Local clock offset: -1.637 ms
Remote clock offset: 4.129 ms

# Below is generated by plot.py at 2018-05-22 00:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 100.627 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 100.627 ms
Loss rate: 0.33%
```

Run 6: Report of TCP Cubic — Data Link

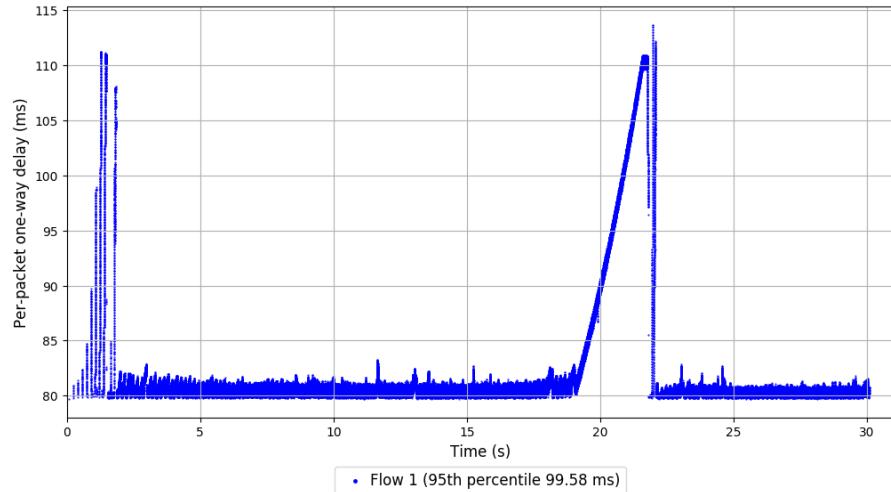
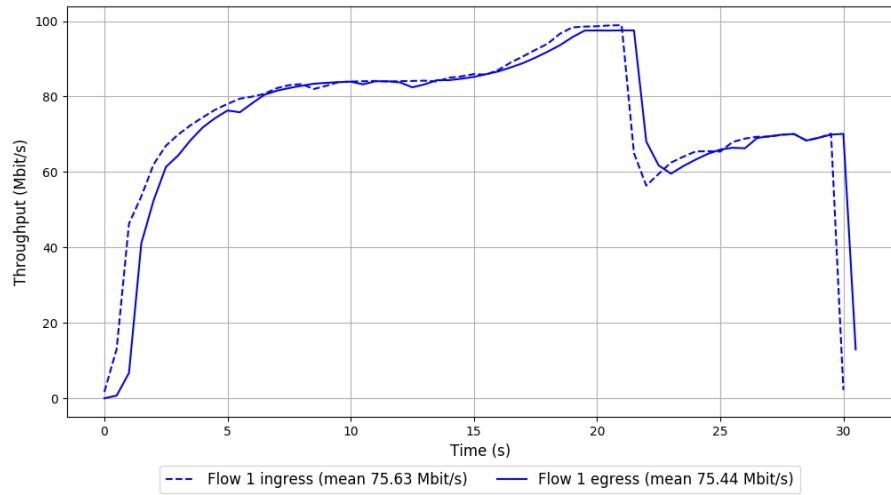


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:44:33
End at: 2018-05-21 23:45:03
Local clock offset: -4.468 ms
Remote clock offset: 3.784 ms

# Below is generated by plot.py at 2018-05-22 00:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 99.582 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 99.582 ms
Loss rate: 0.25%
```

Run 7: Report of TCP Cubic — Data Link

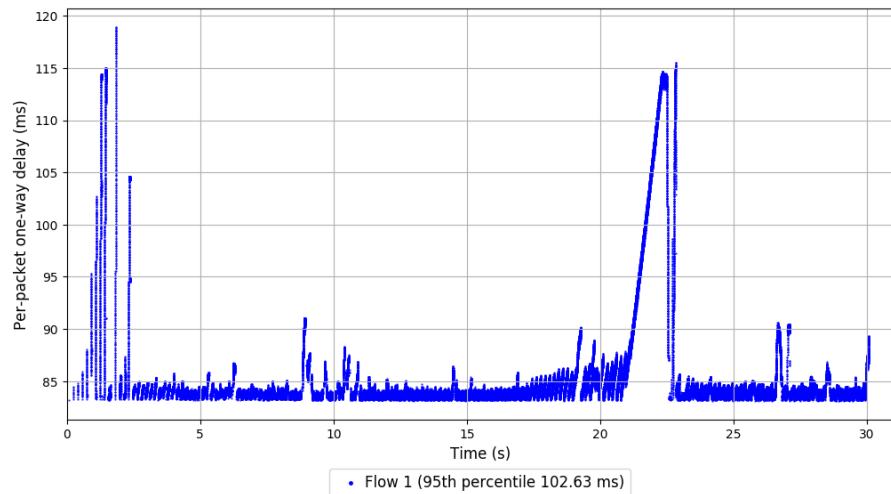
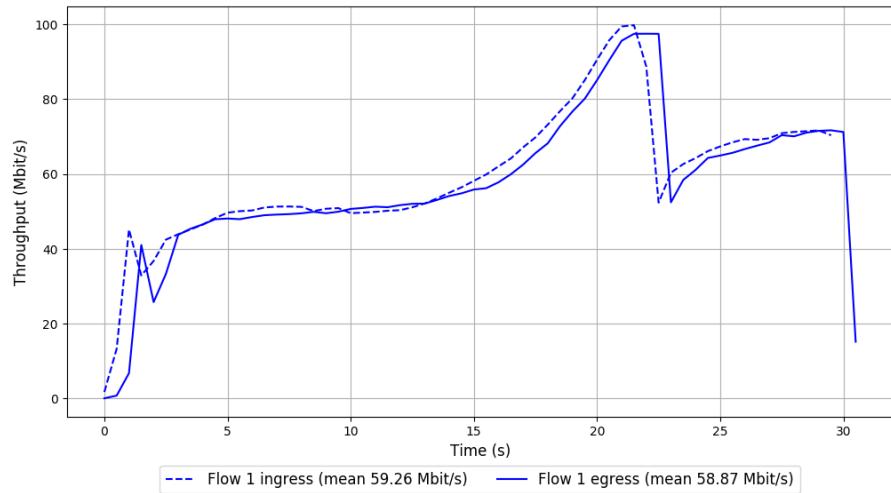


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-22 00:03:01
End at: 2018-05-22 00:03:31
Local clock offset: -5.709 ms
Remote clock offset: 7.712 ms

# Below is generated by plot.py at 2018-05-22 00:50:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 102.631 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 102.631 ms
Loss rate: 0.64%
```

Run 8: Report of TCP Cubic — Data Link

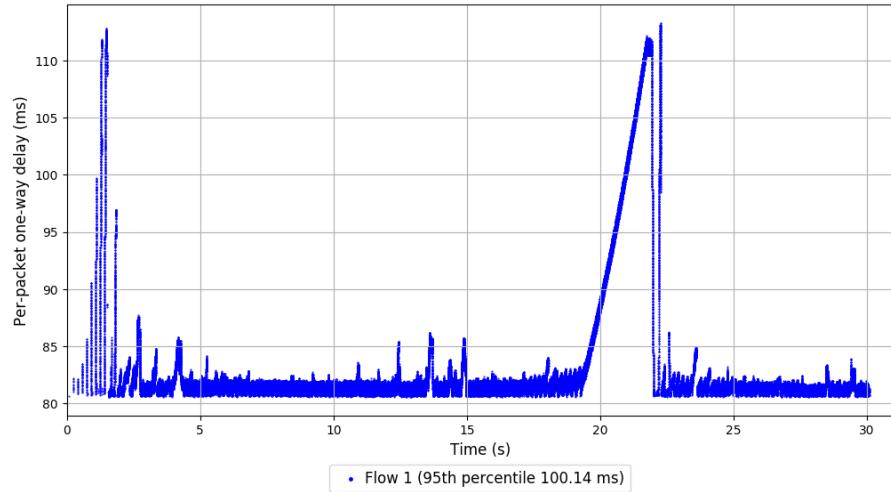
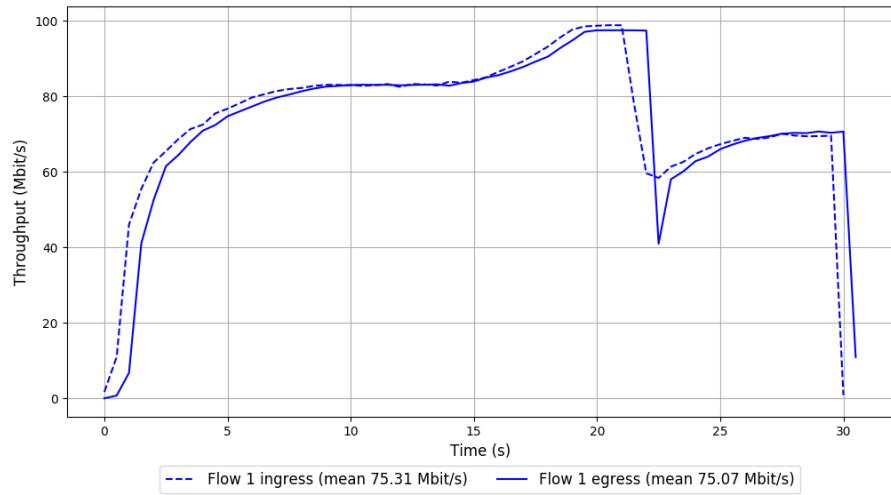


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-22 00:21:31
End at: 2018-05-22 00:22:01
Local clock offset: -7.887 ms
Remote clock offset: 3.754 ms

# Below is generated by plot.py at 2018-05-22 00:50:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.07 Mbit/s
95th percentile per-packet one-way delay: 100.137 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 75.07 Mbit/s
95th percentile per-packet one-way delay: 100.137 ms
Loss rate: 0.32%
```

Run 9: Report of TCP Cubic — Data Link

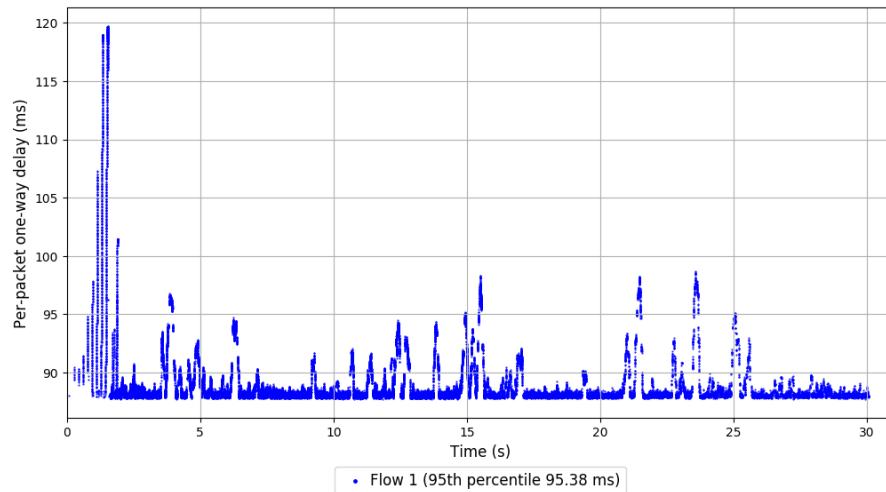
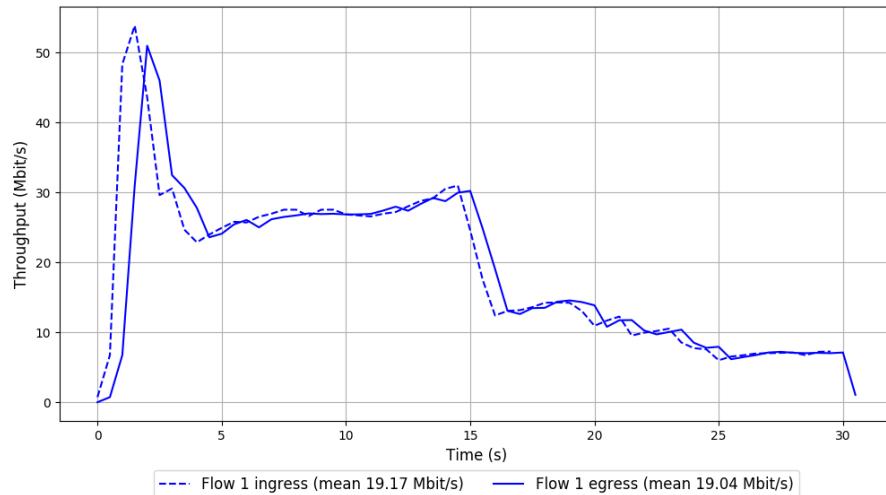


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-05-22 00:40:02
End at: 2018-05-22 00:40:32
Local clock offset: -3.073 ms
Remote clock offset: 15.715 ms

# Below is generated by plot.py at 2018-05-22 00:50:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.04 Mbit/s
95th percentile per-packet one-way delay: 95.382 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 19.04 Mbit/s
95th percentile per-packet one-way delay: 95.382 ms
Loss rate: 0.67%
```

Run 10: Report of TCP Cubic — Data Link

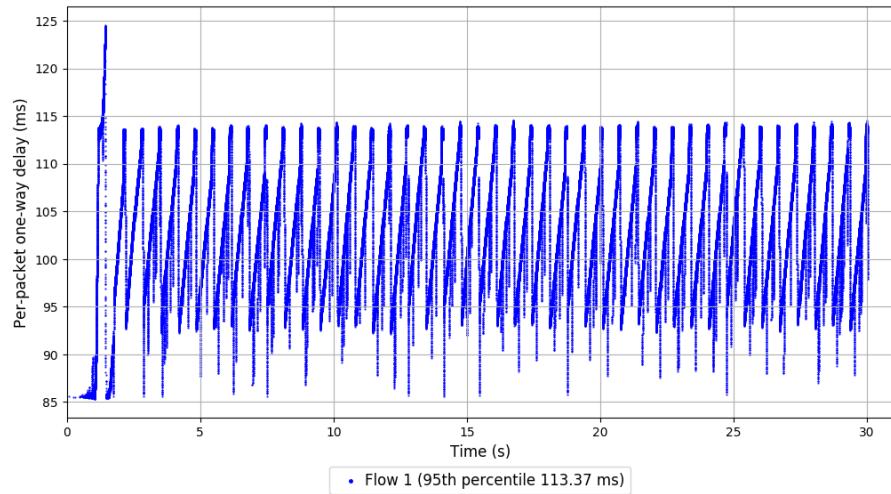
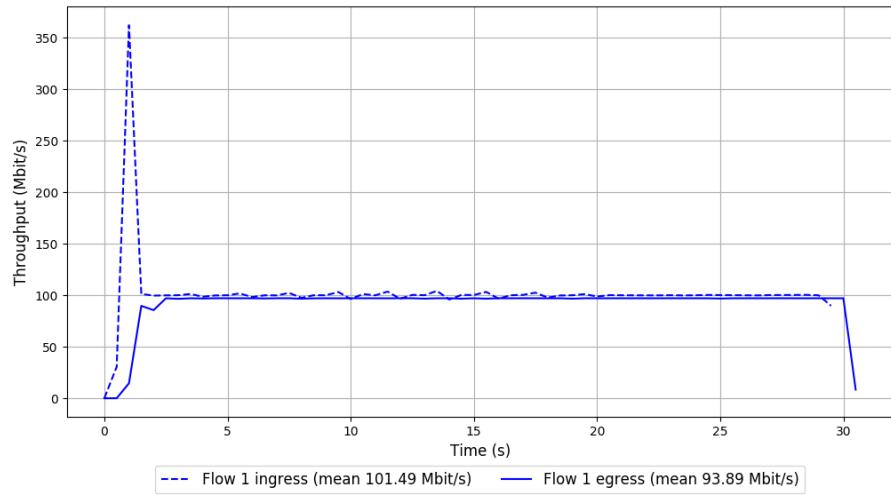


```
Run 1: Statistics of FillP
```

```
Start at: 2018-05-21 21:43:02
End at: 2018-05-21 21:43:32
Local clock offset: 24.665 ms
Remote clock offset: 8.767 ms

# Below is generated by plot.py at 2018-05-22 00:52:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 113.371 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 113.371 ms
Loss rate: 7.46%
```

Run 1: Report of FillP — Data Link

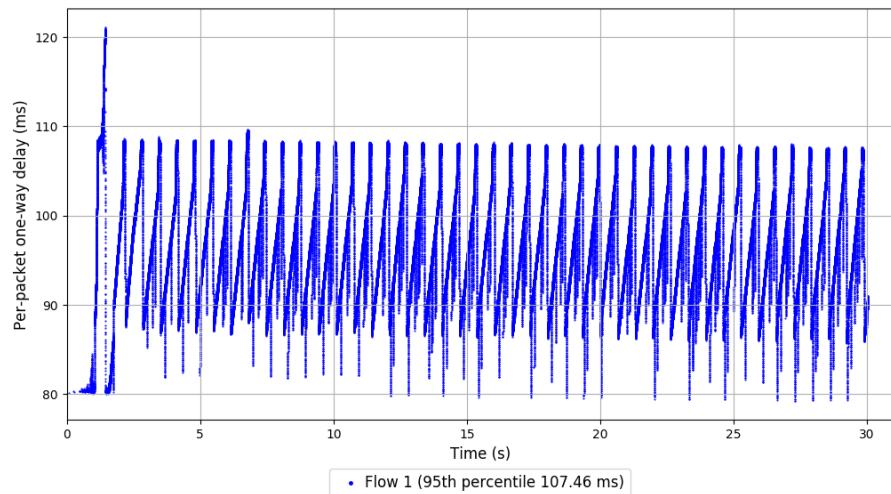
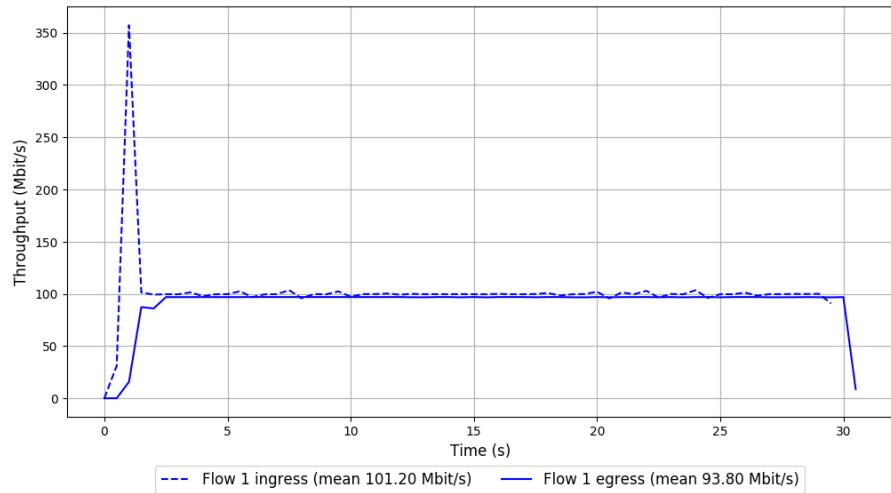


Run 2: Statistics of FillP

```
Start at: 2018-05-21 22:01:30
End at: 2018-05-21 22:02:00
Local clock offset: 17.769 ms
Remote clock offset: 2.894 ms

# Below is generated by plot.py at 2018-05-22 00:52:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 107.461 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 107.461 ms
Loss rate: 7.28%
```

Run 2: Report of FillP — Data Link

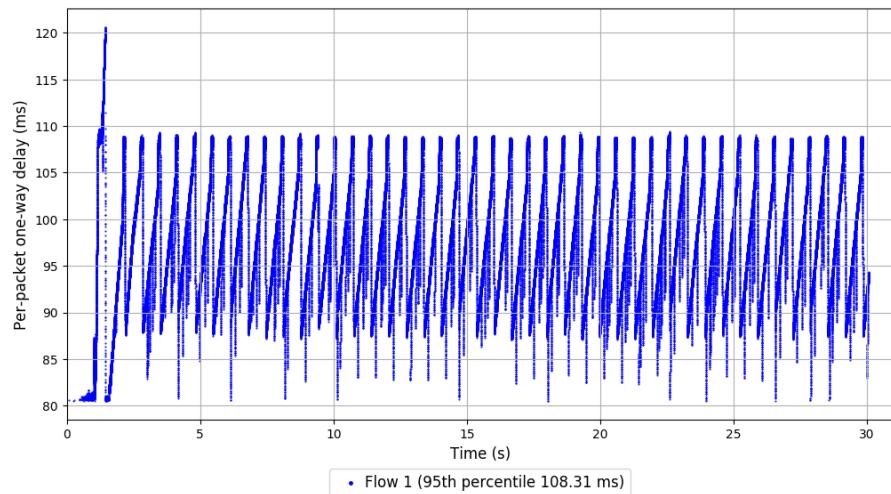
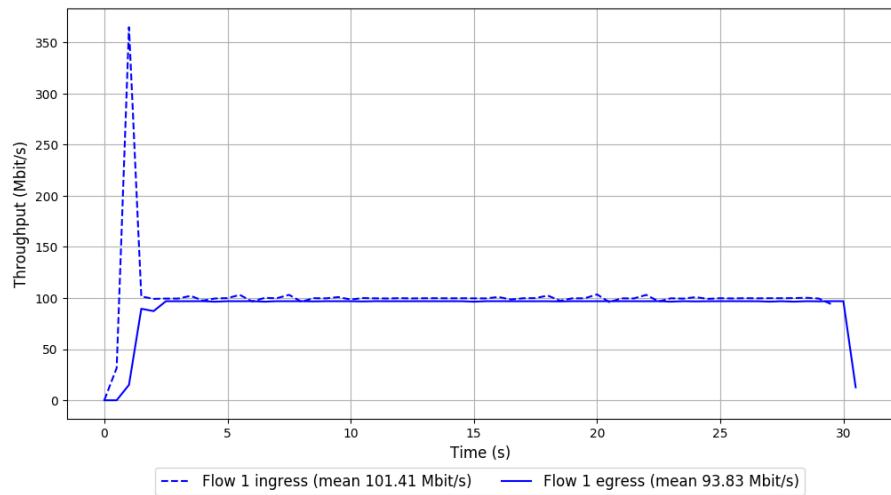


Run 3: Statistics of FillP

```
Start at: 2018-05-21 22:20:00
End at: 2018-05-21 22:20:30
Local clock offset: -1.739 ms
Remote clock offset: 2.572 ms

# Below is generated by plot.py at 2018-05-22 00:52:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 108.311 ms
Loss rate: 7.43%
-- Flow 1:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 108.311 ms
Loss rate: 7.43%
```

Run 3: Report of FillP — Data Link

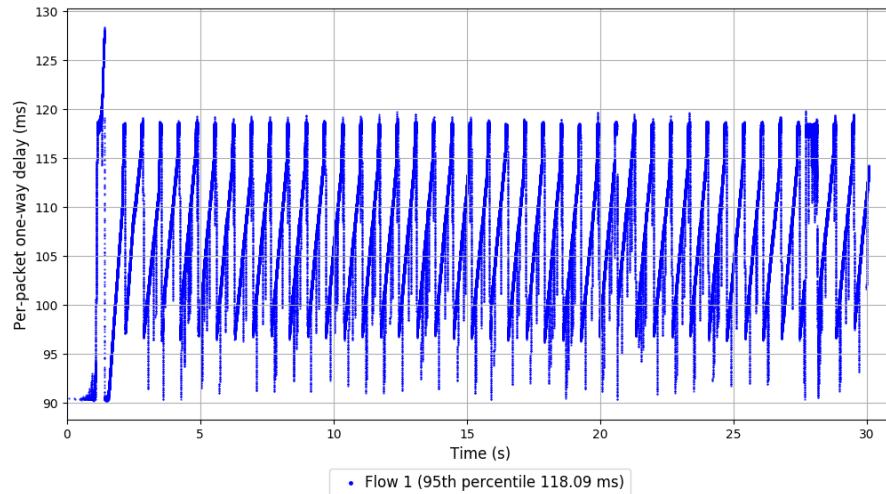
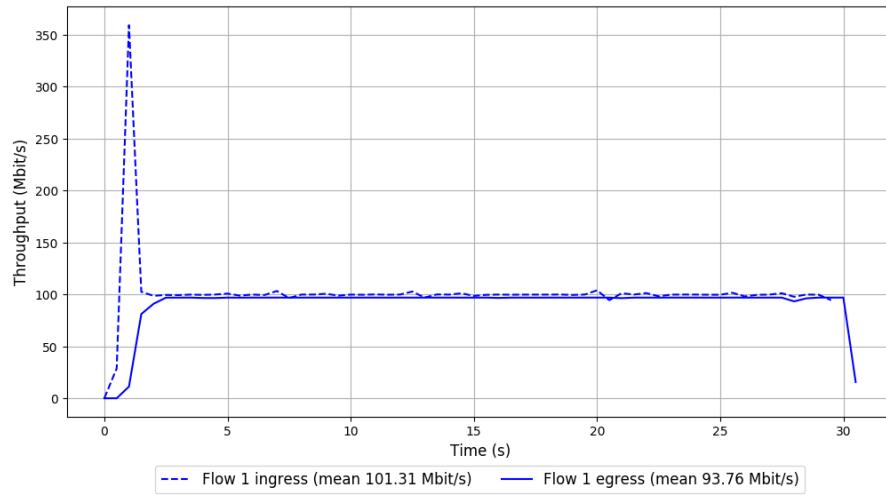


Run 4: Statistics of FillP

```
Start at: 2018-05-21 22:38:30
End at: 2018-05-21 22:39:00
Local clock offset: -3.452 ms
Remote clock offset: 6.923 ms

# Below is generated by plot.py at 2018-05-22 00:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 118.095 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 118.095 ms
Loss rate: 7.40%
```

Run 4: Report of FillP — Data Link

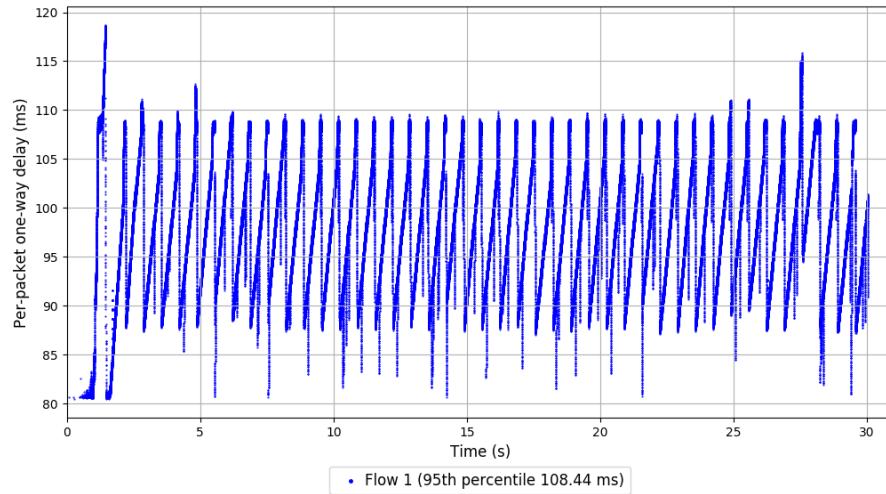
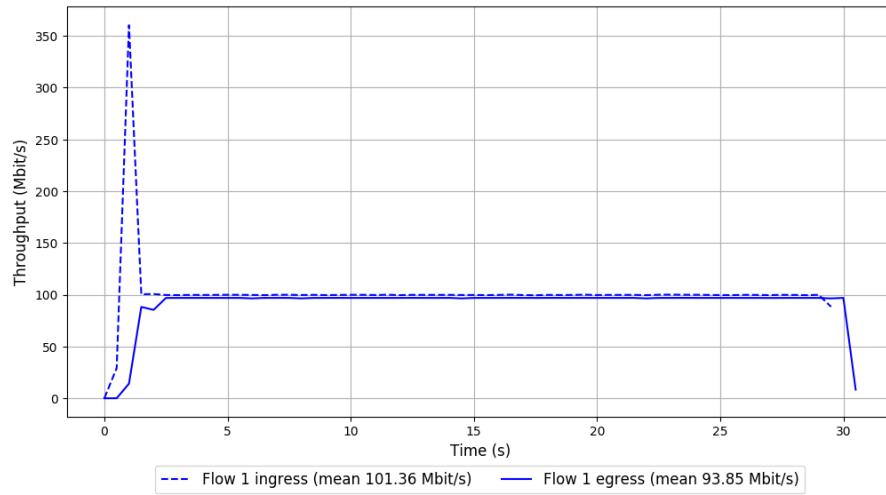


Run 5: Statistics of FillP

```
Start at: 2018-05-21 22:57:00
End at: 2018-05-21 22:57:30
Local clock offset: -4.459 ms
Remote clock offset: 3.738 ms

# Below is generated by plot.py at 2018-05-22 00:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 108.436 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 108.436 ms
Loss rate: 7.35%
```

Run 5: Report of FillP — Data Link

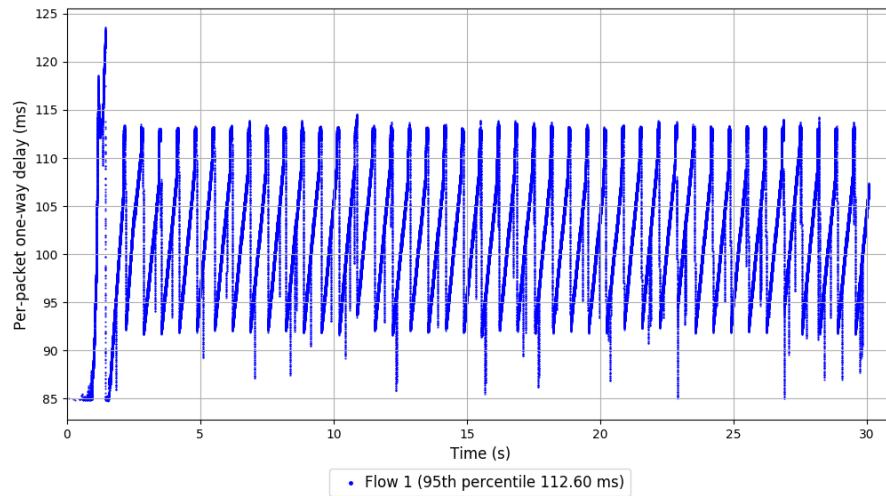
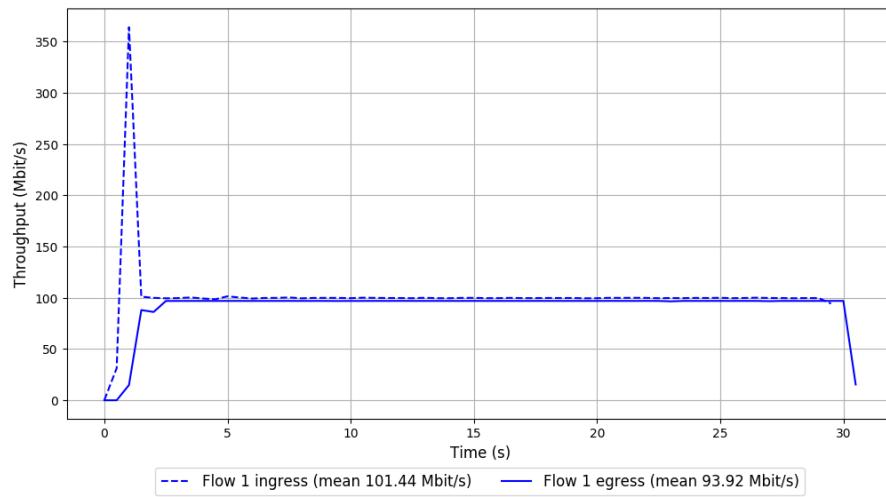


Run 6: Statistics of FillP

```
Start at: 2018-05-21 23:15:34
End at: 2018-05-21 23:16:04
Local clock offset: -2.44 ms
Remote clock offset: 8.743 ms

# Below is generated by plot.py at 2018-05-22 00:52:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 112.602 ms
Loss rate: 7.34%
-- Flow 1:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 112.602 ms
Loss rate: 7.34%
```

Run 6: Report of FillP — Data Link

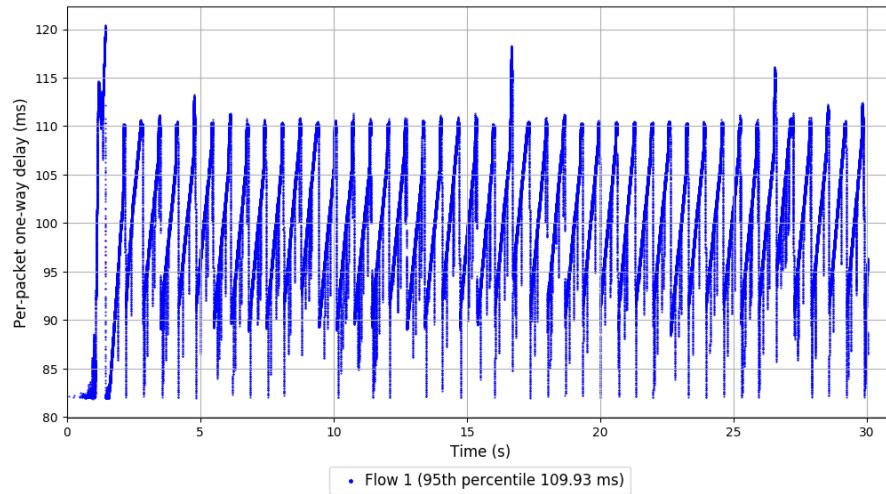
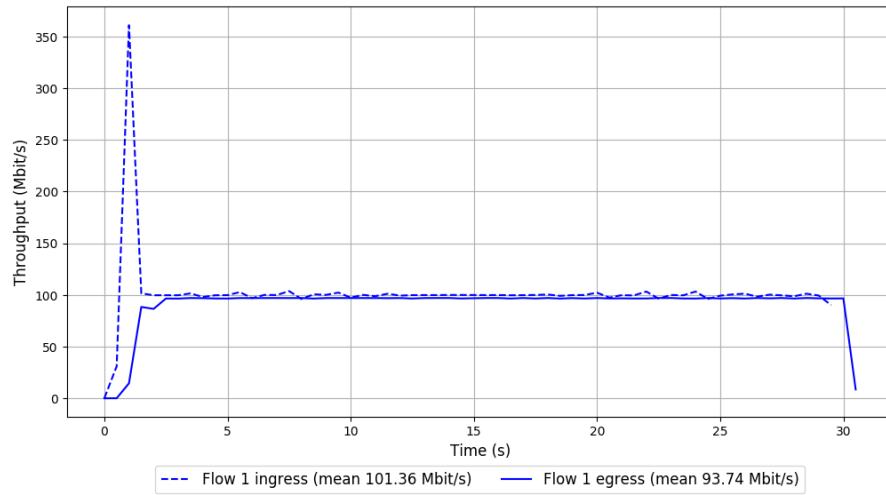


Run 7: Statistics of FillP

```
Start at: 2018-05-21 23:34:03
End at: 2018-05-21 23:34:33
Local clock offset: -3.205 ms
Remote clock offset: 6.906 ms

# Below is generated by plot.py at 2018-05-22 00:52:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 109.930 ms
Loss rate: 7.50%
-- Flow 1:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 109.930 ms
Loss rate: 7.50%
```

Run 7: Report of FillP — Data Link

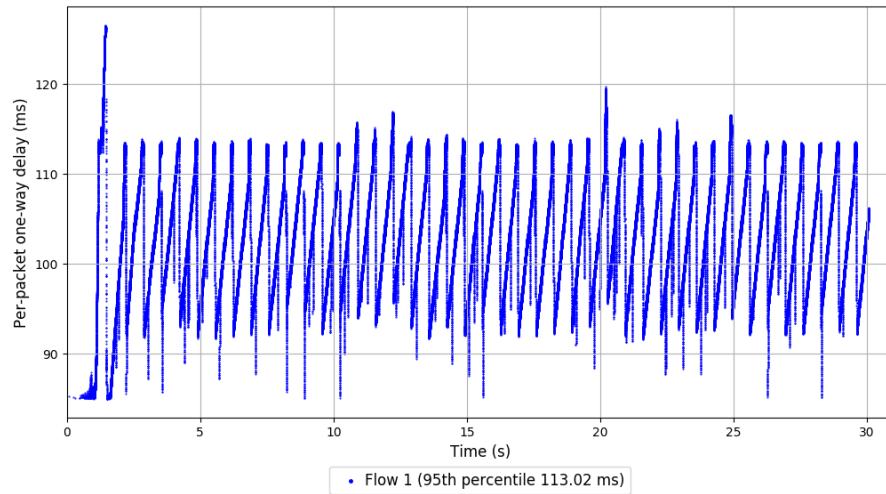
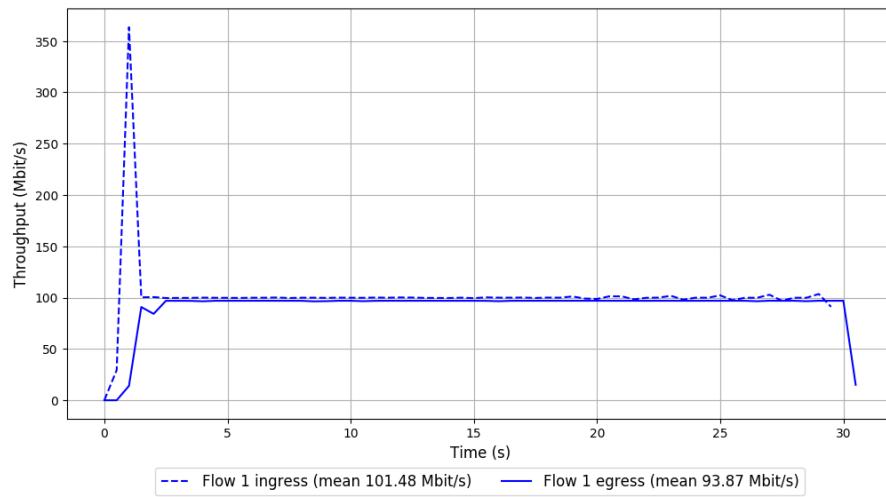


Run 8: Statistics of FillP

```
Start at: 2018-05-21 23:52:32
End at: 2018-05-21 23:53:02
Local clock offset: -3.976 ms
Remote clock offset: 7.692 ms

# Below is generated by plot.py at 2018-05-22 00:52:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 113.015 ms
Loss rate: 7.44%
-- Flow 1:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 113.015 ms
Loss rate: 7.44%
```

Run 8: Report of FillP — Data Link

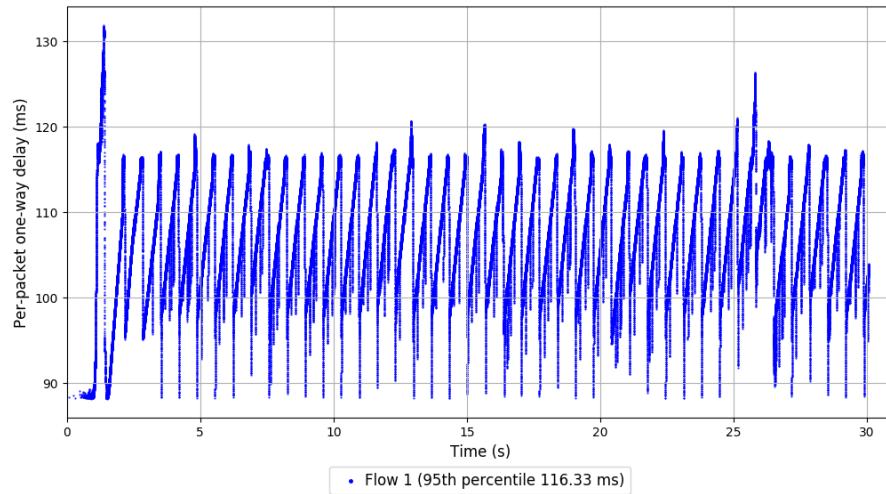
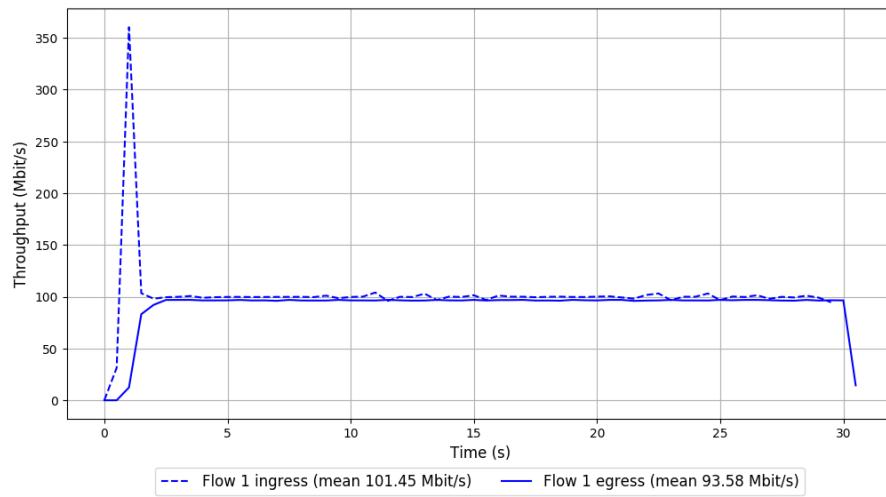


```
Run 9: Statistics of FillP
```

```
Start at: 2018-05-22 00:11:00
End at: 2018-05-22 00:11:30
Local clock offset: -6.109 ms
Remote clock offset: 7.814 ms

# Below is generated by plot.py at 2018-05-22 00:53:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 116.334 ms
Loss rate: 7.72%
-- Flow 1:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 116.334 ms
Loss rate: 7.72%
```

Run 9: Report of FillP — Data Link

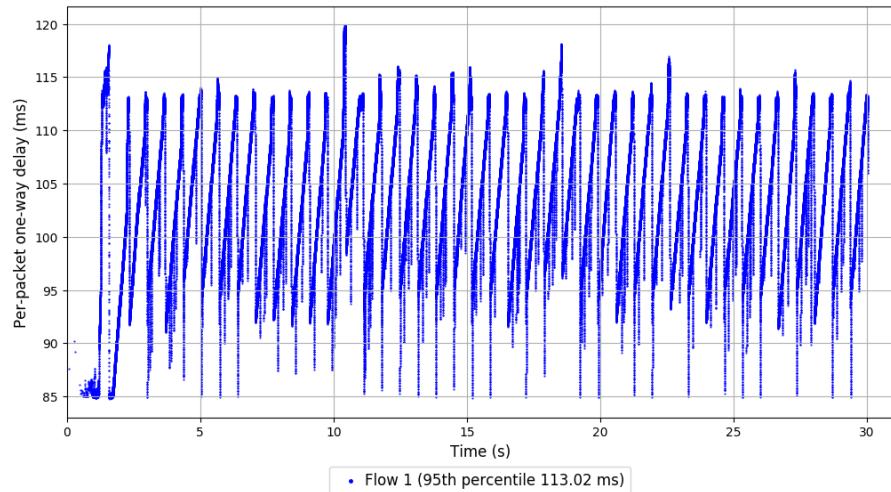
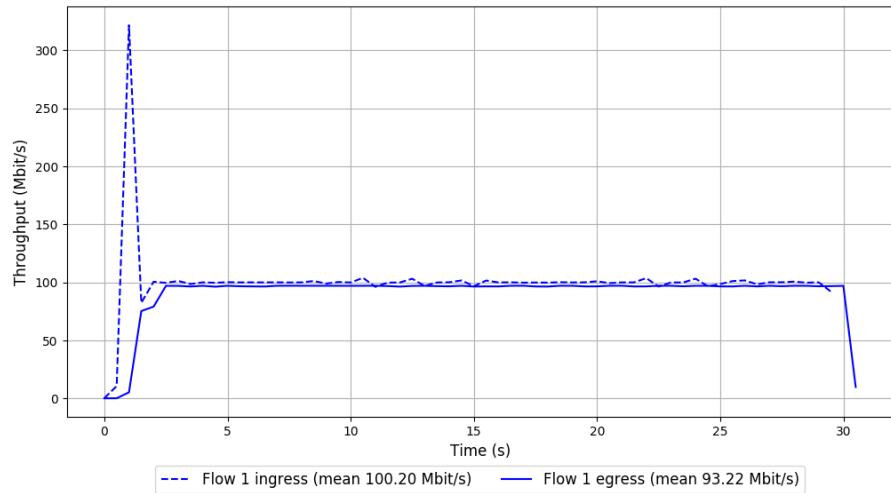


Run 10: Statistics of FillP

```
Start at: 2018-05-22 00:29:31
End at: 2018-05-22 00:30:01
Local clock offset: -5.99 ms
Remote clock offset: 13.009 ms

# Below is generated by plot.py at 2018-05-22 00:53:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 113.021 ms
Loss rate: 6.90%
-- Flow 1:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 113.021 ms
Loss rate: 6.90%
```

Run 10: Report of FillP — Data Link

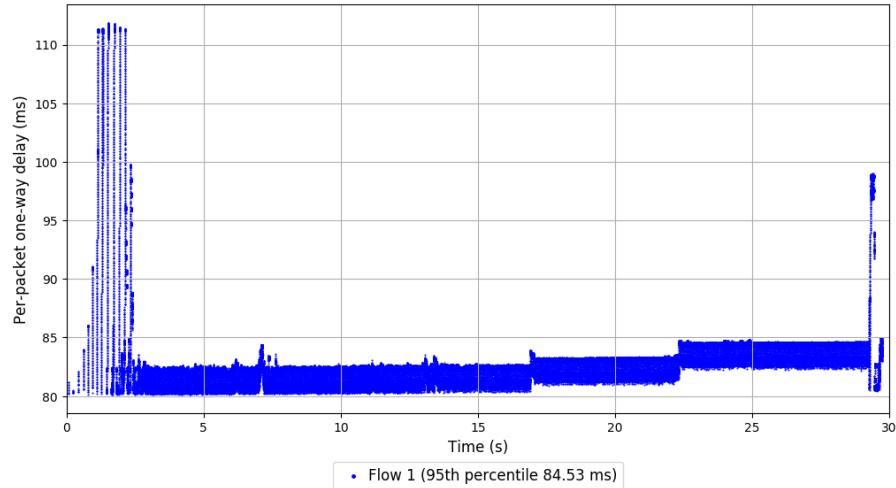
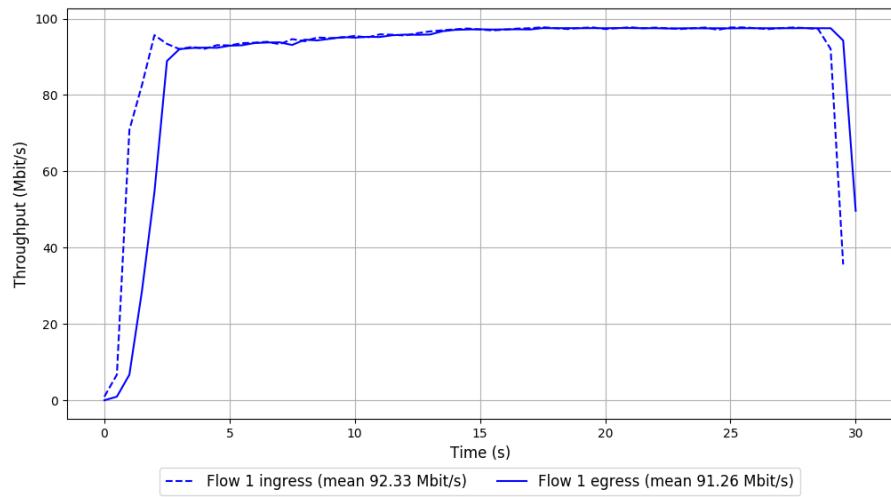


Run 1: Statistics of Indigo

```
Start at: 2018-05-21 21:47:40
End at: 2018-05-21 21:48:10
Local clock offset: 28.473 ms
Remote clock offset: 3.03 ms

# Below is generated by plot.py at 2018-05-22 00:53:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 84.532 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 84.532 ms
Loss rate: 1.15%
```

Run 1: Report of Indigo — Data Link

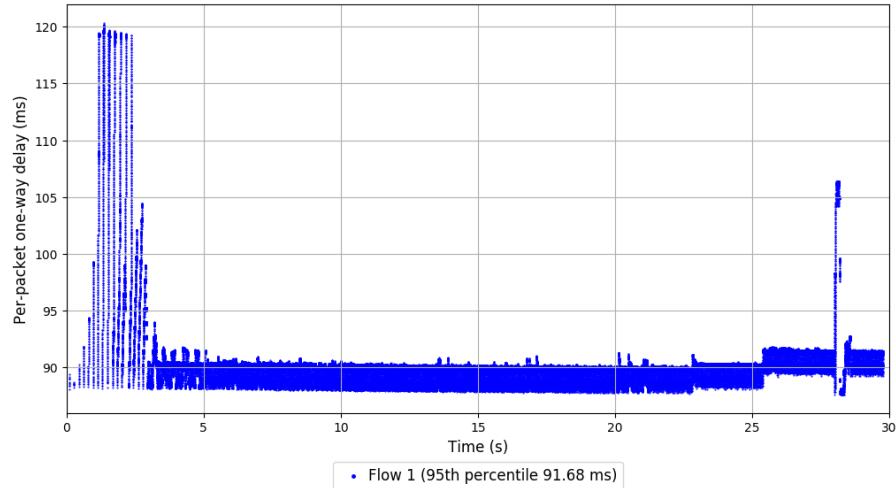
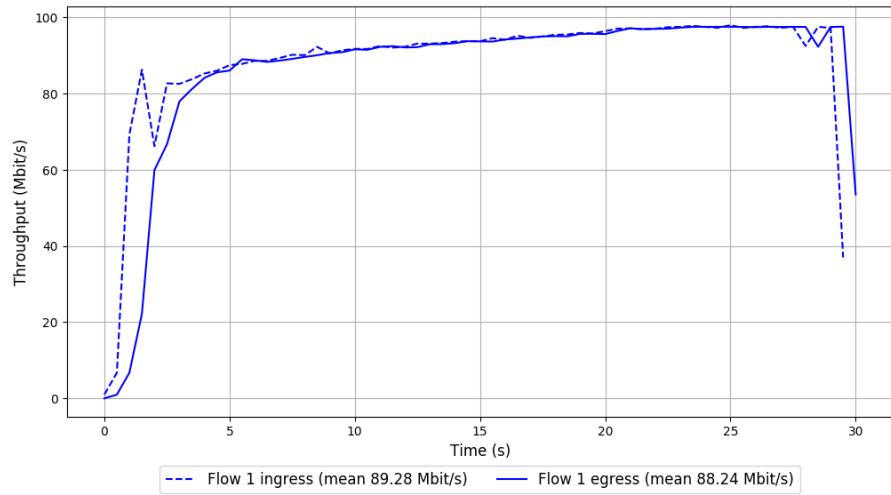


Run 2: Statistics of Indigo

```
Start at: 2018-05-21 22:06:09
End at: 2018-05-21 22:06:39
Local clock offset: 10.227 ms
Remote clock offset: 6.614 ms

# Below is generated by plot.py at 2018-05-22 00:53:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 91.678 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 91.678 ms
Loss rate: 1.17%
```

Run 2: Report of Indigo — Data Link

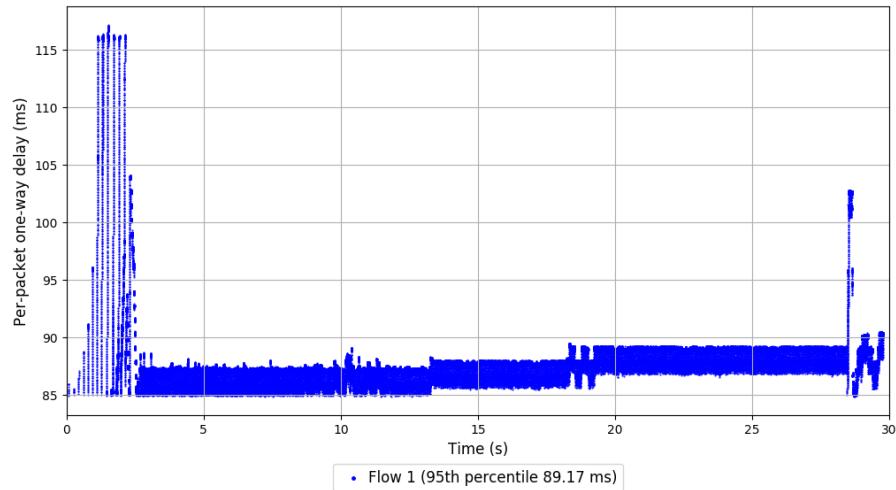
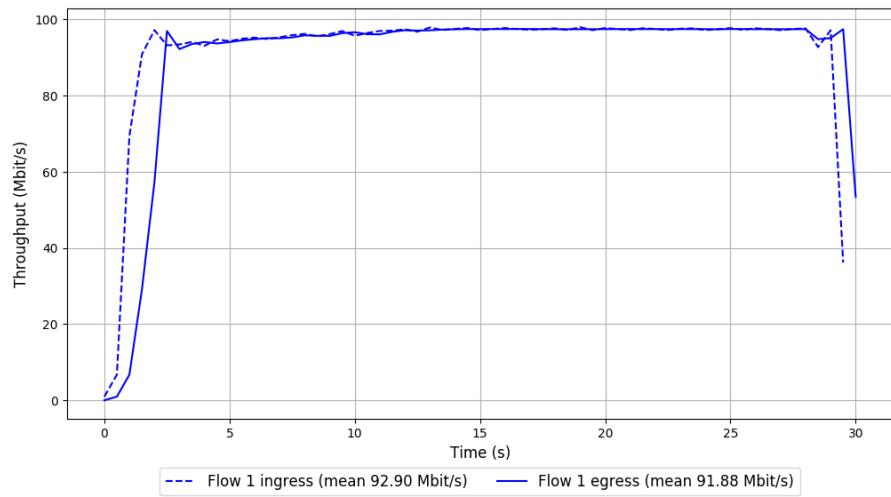


Run 3: Statistics of Indigo

```
Start at: 2018-05-21 22:24:39
End at: 2018-05-21 22:25:09
Local clock offset: -1.338 ms
Remote clock offset: 8.002 ms

# Below is generated by plot.py at 2018-05-22 00:53:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 89.169 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 89.169 ms
Loss rate: 1.08%
```

Run 3: Report of Indigo — Data Link

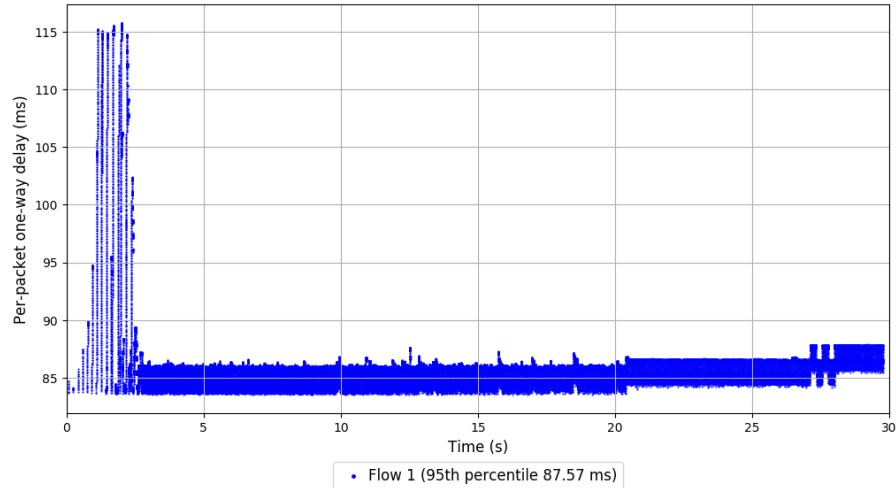
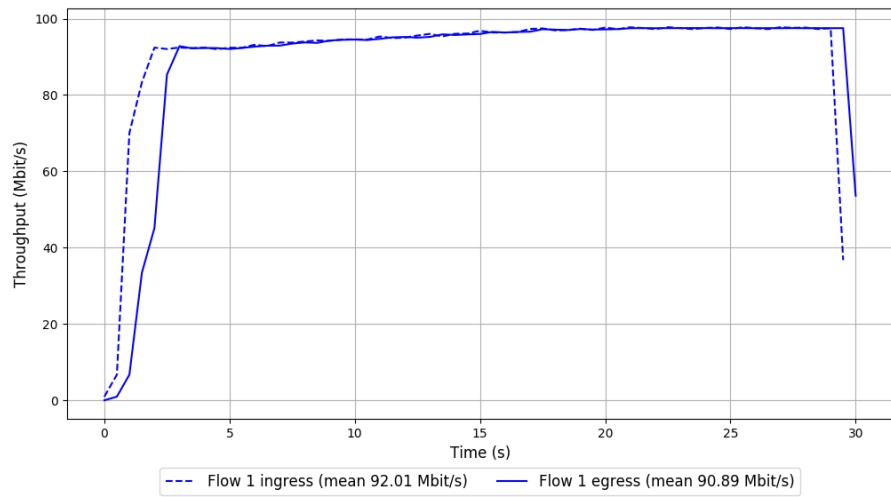


Run 4: Statistics of Indigo

```
Start at: 2018-05-21 22:43:09
End at: 2018-05-21 22:43:39
Local clock offset: -4.604 ms
Remote clock offset: 7.37 ms

# Below is generated by plot.py at 2018-05-22 00:53:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 87.569 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 87.569 ms
Loss rate: 1.20%
```

Run 4: Report of Indigo — Data Link

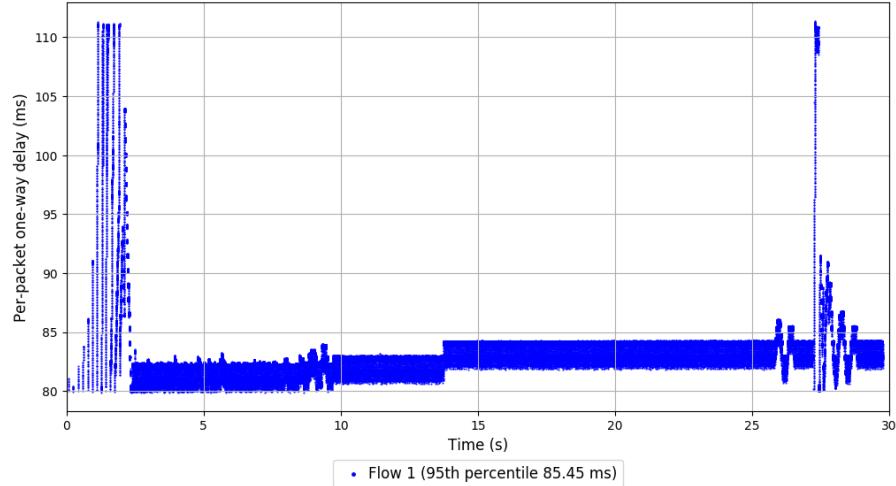
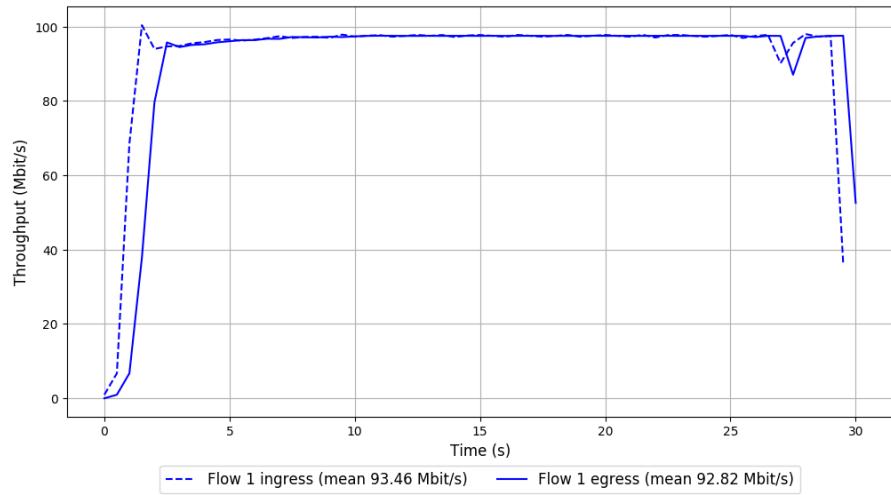


Run 5: Statistics of Indigo

```
Start at: 2018-05-21 23:01:39
End at: 2018-05-21 23:02:09
Local clock offset: -3.483 ms
Remote clock offset: 4.706 ms

# Below is generated by plot.py at 2018-05-22 00:53:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 85.449 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 85.449 ms
Loss rate: 0.66%
```

Run 5: Report of Indigo — Data Link

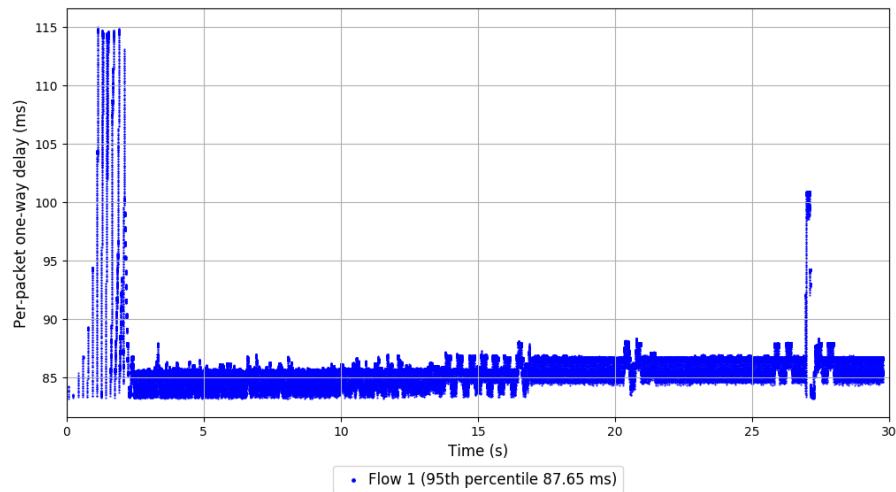
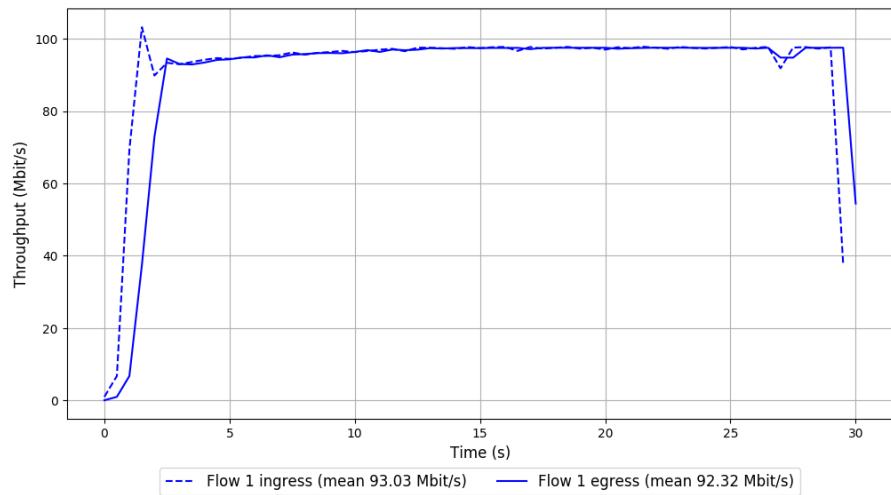


Run 6: Statistics of Indigo

```
Start at: 2018-05-21 23:20:12
End at: 2018-05-21 23:20:42
Local clock offset: -1.621 ms
Remote clock offset: 9.105 ms

# Below is generated by plot.py at 2018-05-22 00:53:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 87.652 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 87.652 ms
Loss rate: 0.76%
```

Run 6: Report of Indigo — Data Link

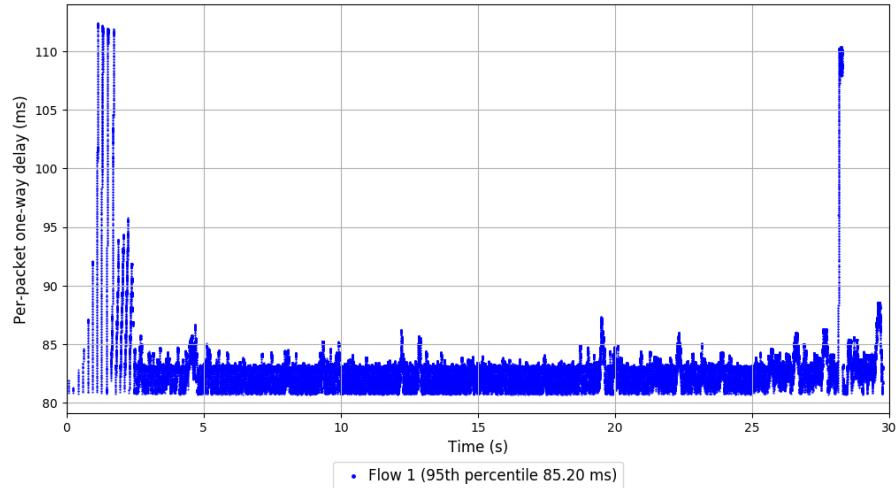
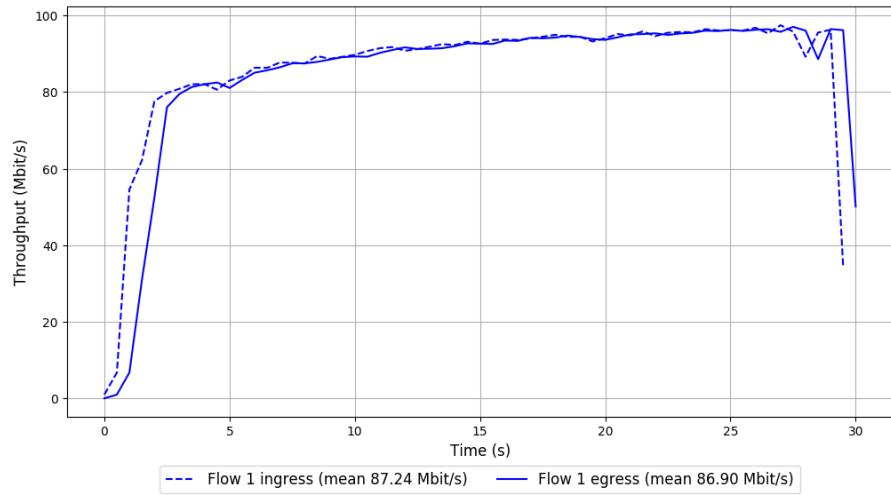


Run 7: Statistics of Indigo

```
Start at: 2018-05-21 23:38:43
End at: 2018-05-21 23:39:13
Local clock offset: -3.414 ms
Remote clock offset: 3.933 ms

# Below is generated by plot.py at 2018-05-22 00:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 85.198 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 85.198 ms
Loss rate: 0.39%
```

Run 7: Report of Indigo — Data Link

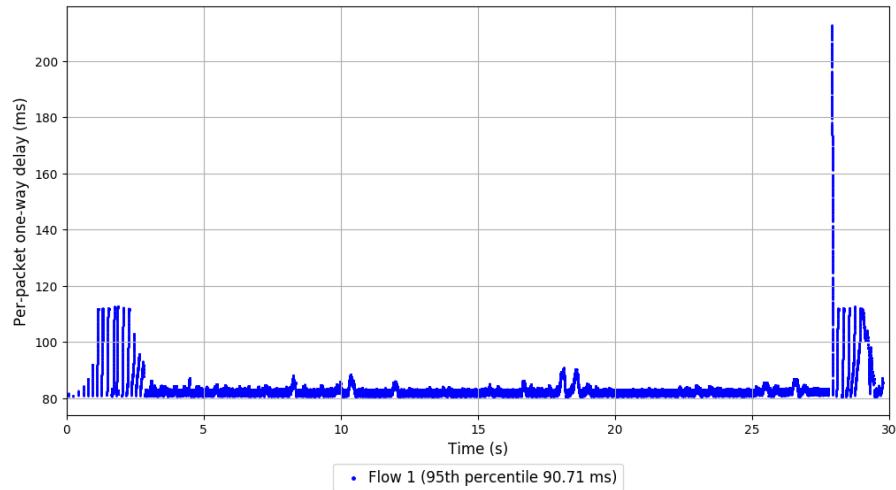
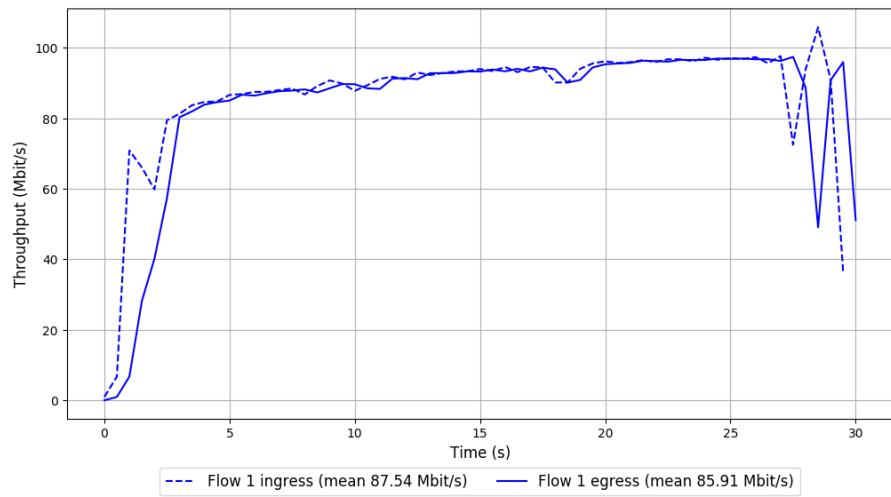


Run 8: Statistics of Indigo

```
Start at: 2018-05-21 23:57:10
End at: 2018-05-21 23:57:40
Local clock offset: -4.32 ms
Remote clock offset: 3.921 ms

# Below is generated by plot.py at 2018-05-22 00:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.91 Mbit/s
95th percentile per-packet one-way delay: 90.708 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 85.91 Mbit/s
95th percentile per-packet one-way delay: 90.708 ms
Loss rate: 1.86%
```

Run 8: Report of Indigo — Data Link

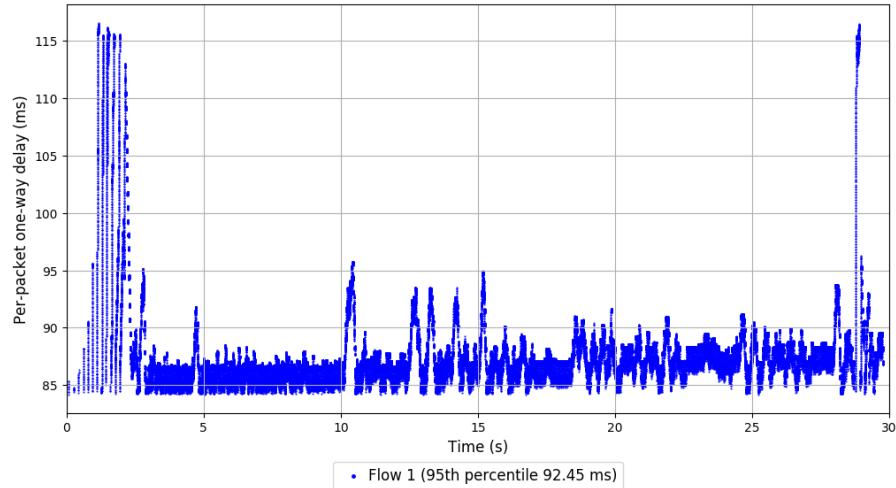
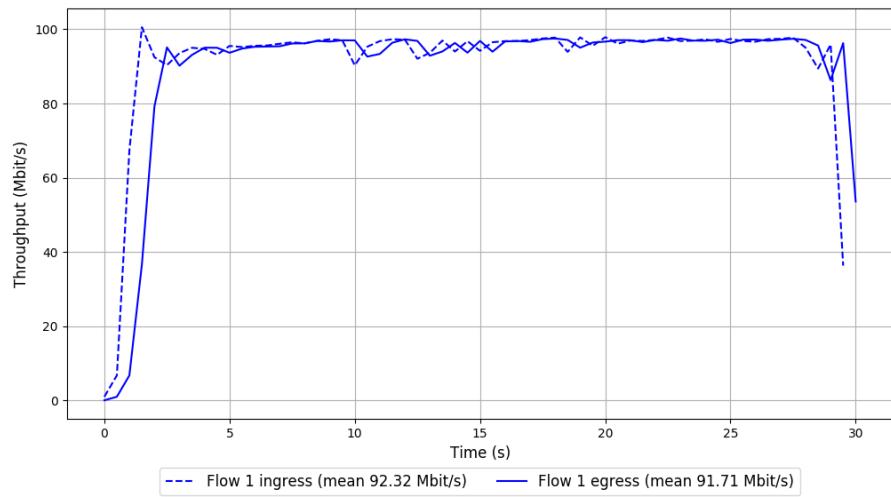


Run 9: Statistics of Indigo

```
Start at: 2018-05-22 00:15:39
End at: 2018-05-22 00:16:09
Local clock offset: -6.61 ms
Remote clock offset: 7.601 ms

# Below is generated by plot.py at 2018-05-22 00:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 92.449 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 92.449 ms
Loss rate: 0.66%
```

Run 9: Report of Indigo — Data Link

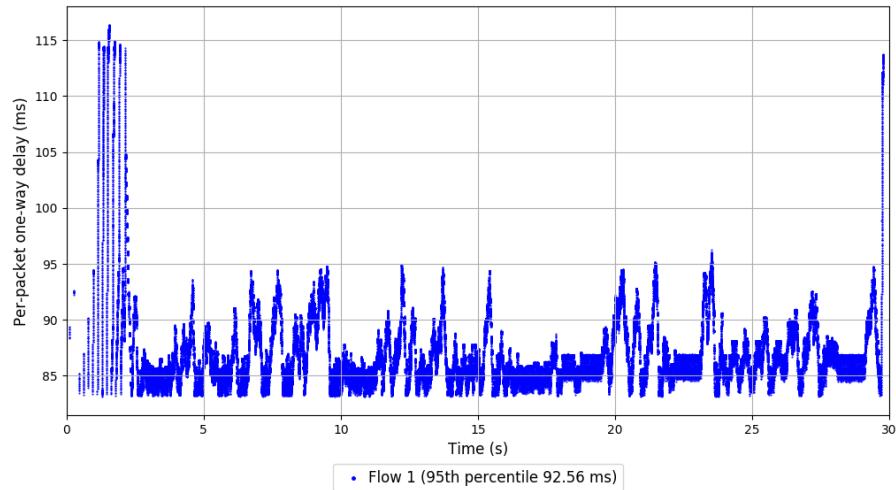
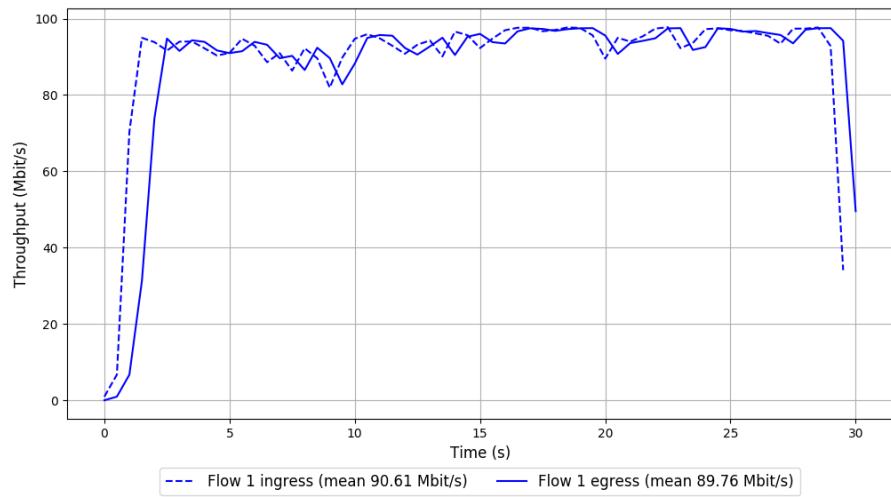


Run 10: Statistics of Indigo

```
Start at: 2018-05-22 00:34:10
End at: 2018-05-22 00:34:40
Local clock offset: -4.22 ms
Remote clock offset: 14.045 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 92.559 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 92.559 ms
Loss rate: 0.85%
```

Run 10: Report of Indigo — Data Link

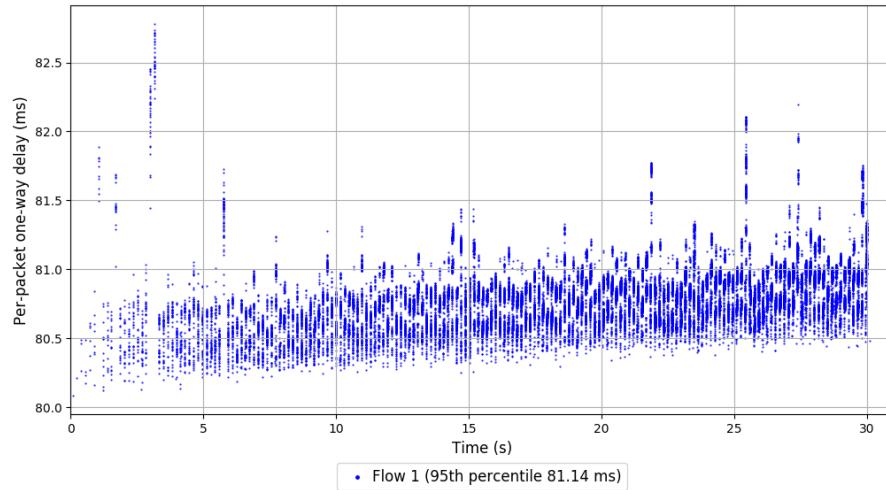
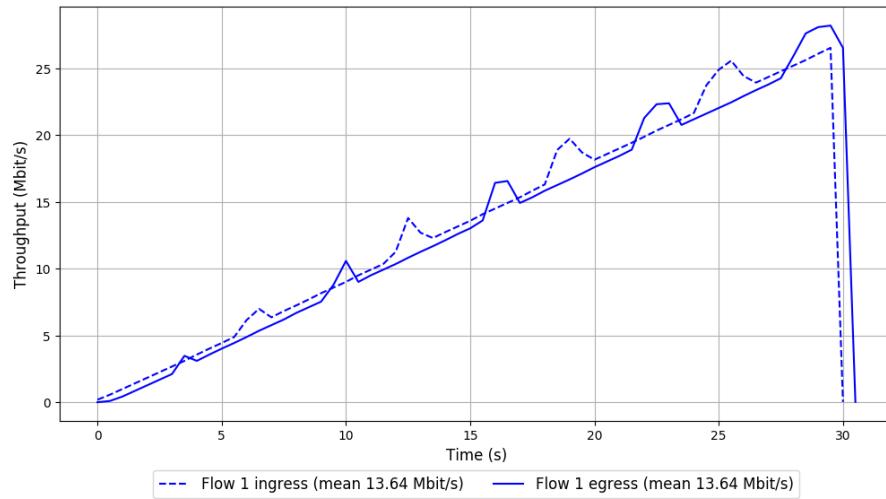


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-21 21:54:41
End at: 2018-05-21 21:55:11
Local clock offset: 32.208 ms
Remote clock offset: 3.829 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 81.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 81.141 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

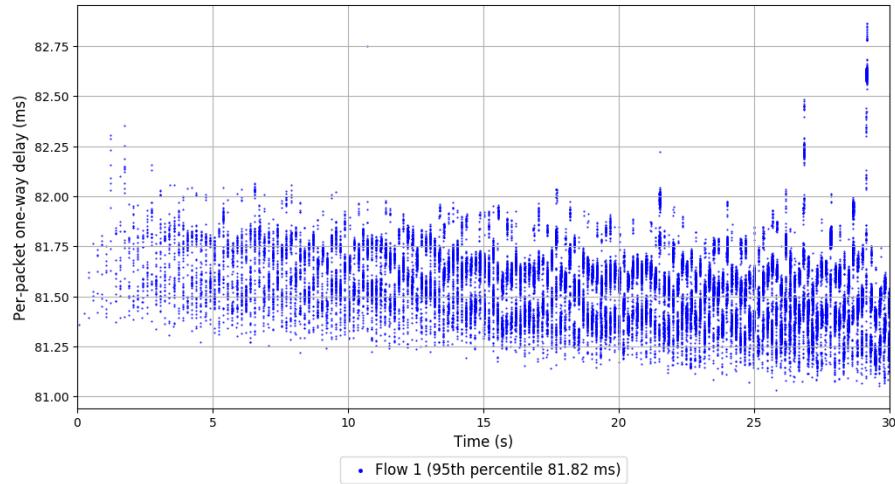
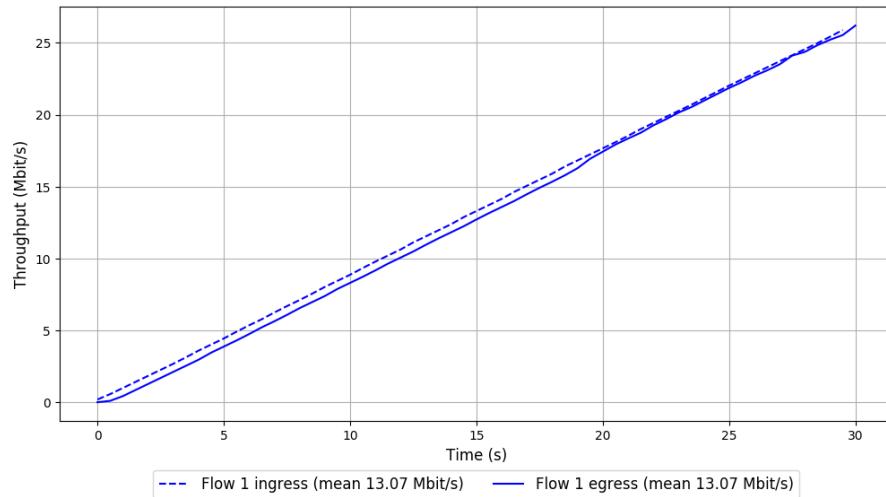


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-21 22:13:10
End at: 2018-05-21 22:13:41
Local clock offset: 1.644 ms
Remote clock offset: 3.574 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 81.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 81.822 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

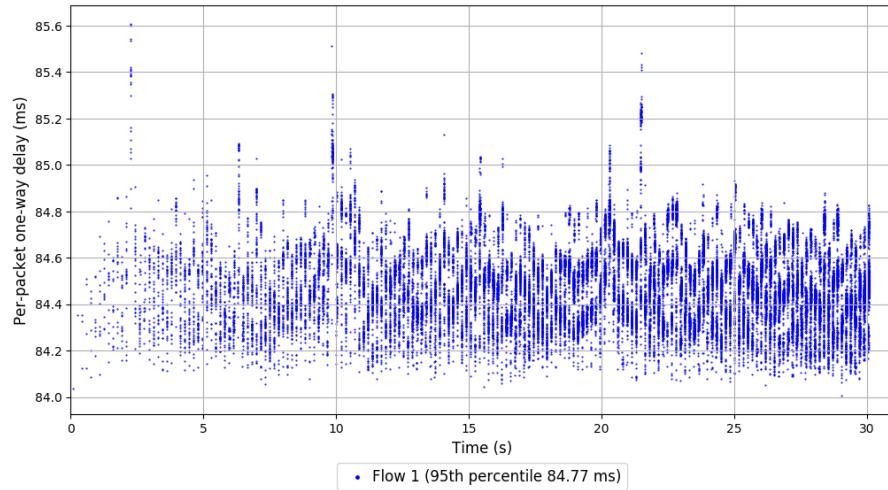
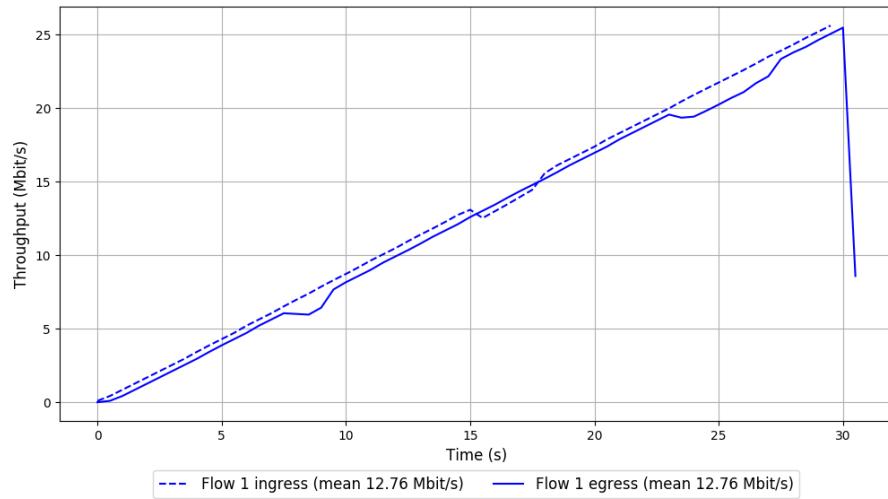


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-21 22:31:40
End at: 2018-05-21 22:32:10
Local clock offset: -2.172 ms
Remote clock offset: 3.464 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.76 Mbit/s
95th percentile per-packet one-way delay: 84.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.76 Mbit/s
95th percentile per-packet one-way delay: 84.766 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

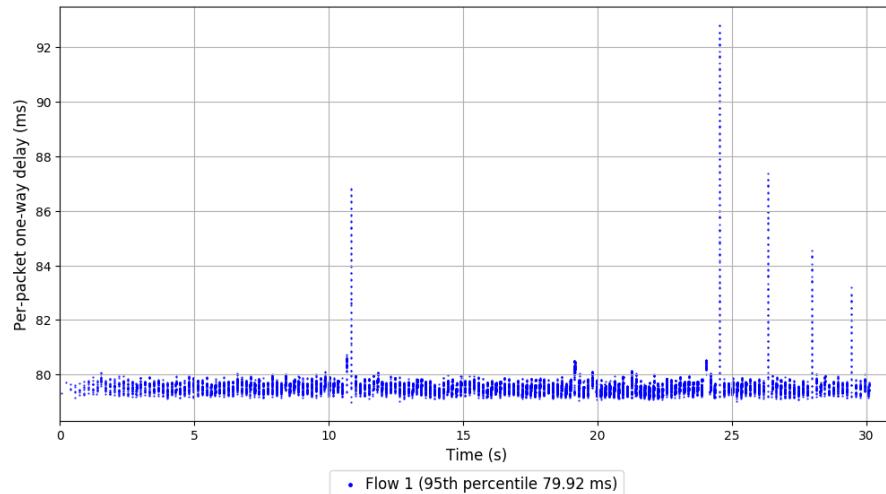
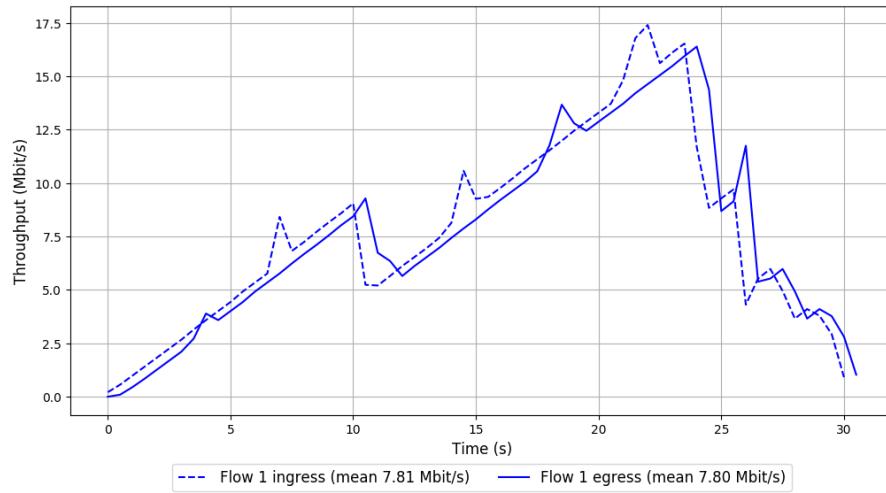


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-21 22:50:11
End at: 2018-05-21 22:50:41
Local clock offset: -4.174 ms
Remote clock offset: 4.194 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 79.920 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 79.920 ms
Loss rate: 0.03%
```

Run 4: Report of LEDBAT — Data Link

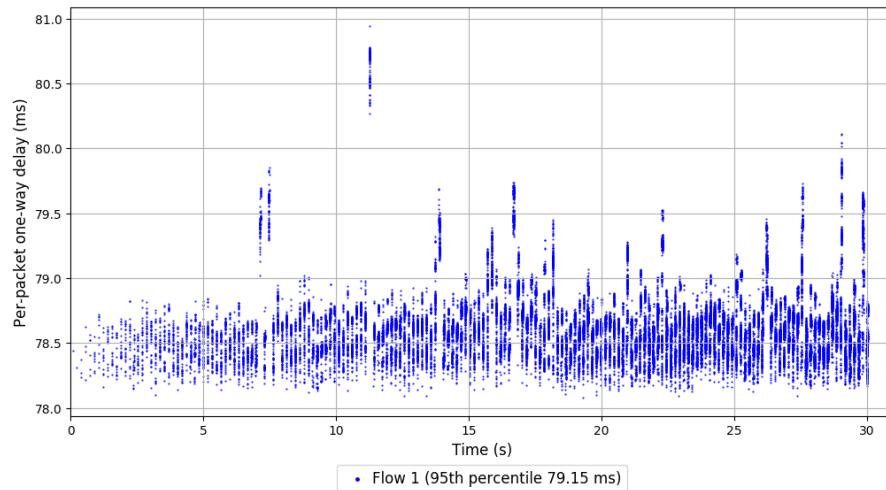
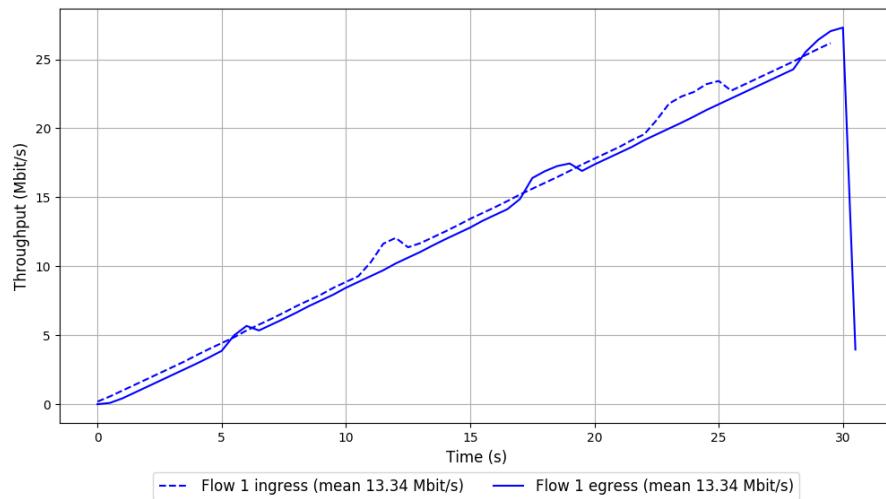


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-21 23:08:45
End at: 2018-05-21 23:09:15
Local clock offset: -2.69 ms
Remote clock offset: 3.995 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 79.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 79.148 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

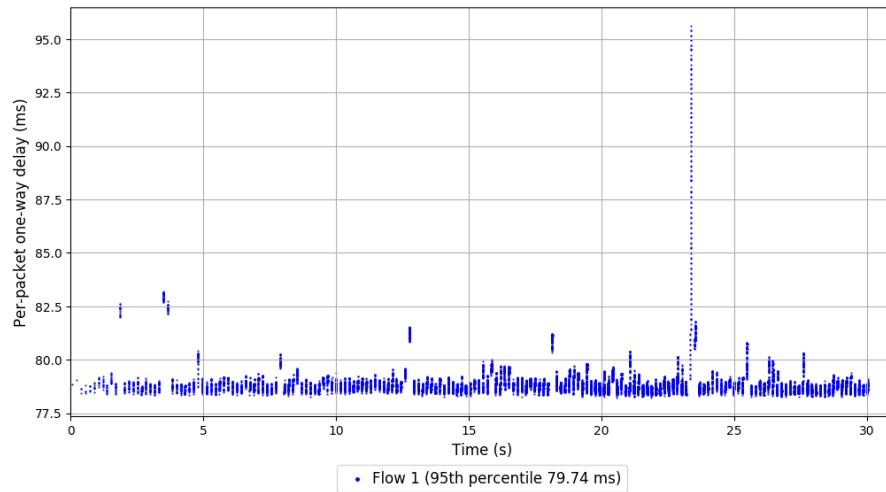
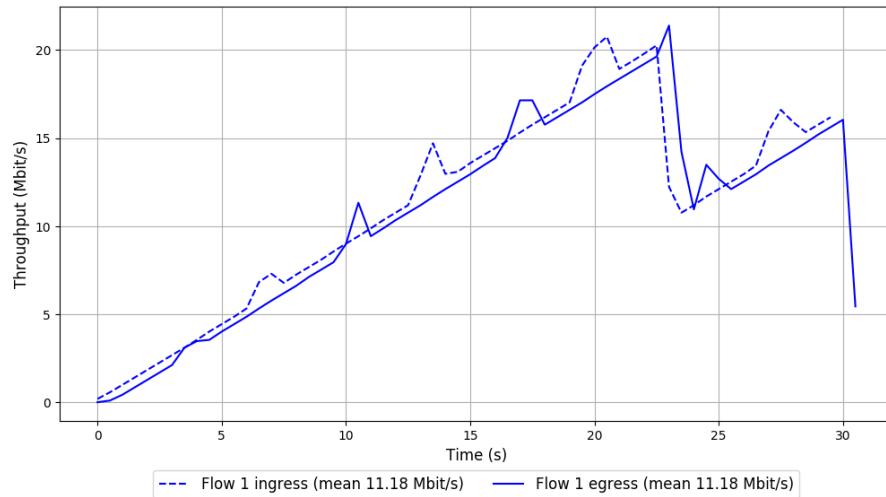


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-21 23:27:13
End at: 2018-05-21 23:27:43
Local clock offset: -1.702 ms
Remote clock offset: 4.276 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 79.737 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 79.737 ms
Loss rate: 0.01%
```

Run 6: Report of LEDBAT — Data Link

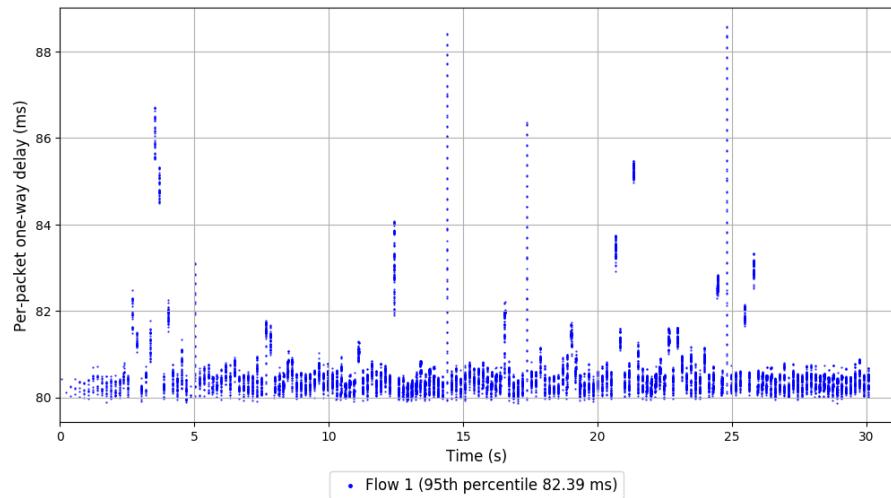
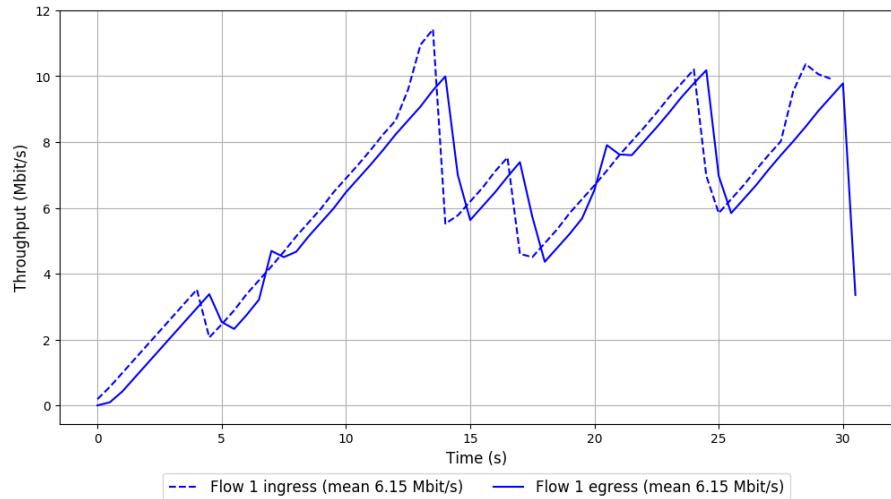


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-21 23:45:44
End at: 2018-05-21 23:46:14
Local clock offset: -3.795 ms
Remote clock offset: 2.986 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 82.386 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 82.386 ms
Loss rate: 0.03%
```

Run 7: Report of LEDBAT — Data Link

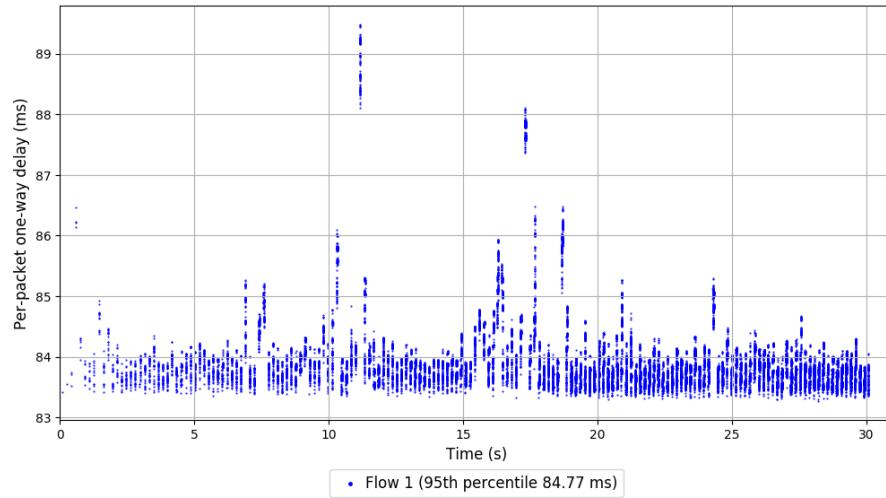
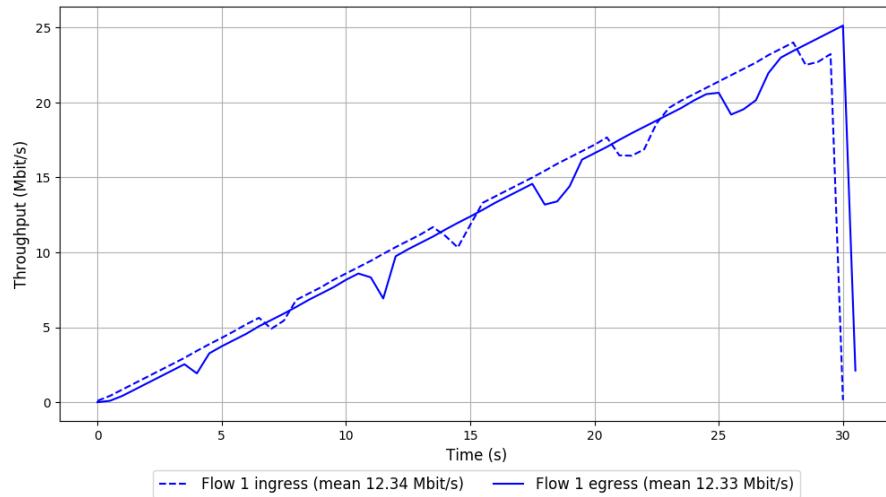


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-22 00:04:11
End at: 2018-05-22 00:04:41
Local clock offset: -5.152 ms
Remote clock offset: 3.075 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.33 Mbit/s
95th percentile per-packet one-way delay: 84.770 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 12.33 Mbit/s
95th percentile per-packet one-way delay: 84.770 ms
Loss rate: 0.05%
```

Run 8: Report of LEDBAT — Data Link

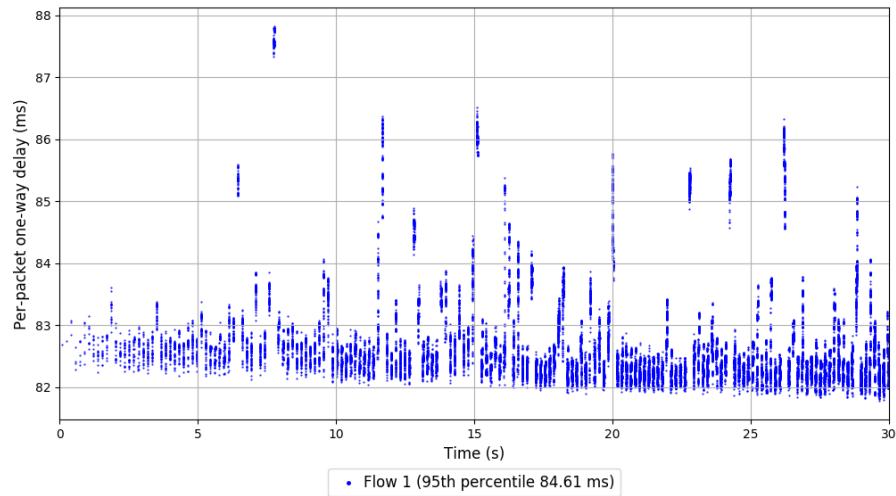
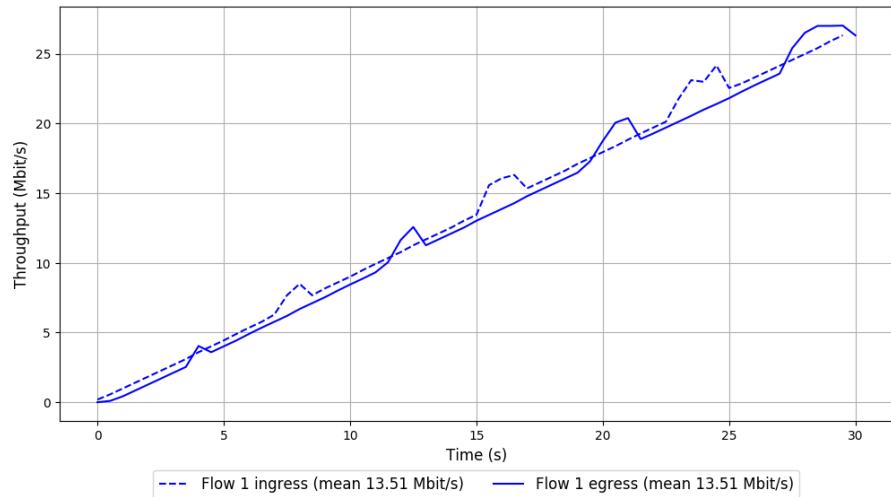


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-22 00:22:41
End at: 2018-05-22 00:23:11
Local clock offset: -7.964 ms
Remote clock offset: 6.787 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.51 Mbit/s
95th percentile per-packet one-way delay: 84.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.51 Mbit/s
95th percentile per-packet one-way delay: 84.610 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

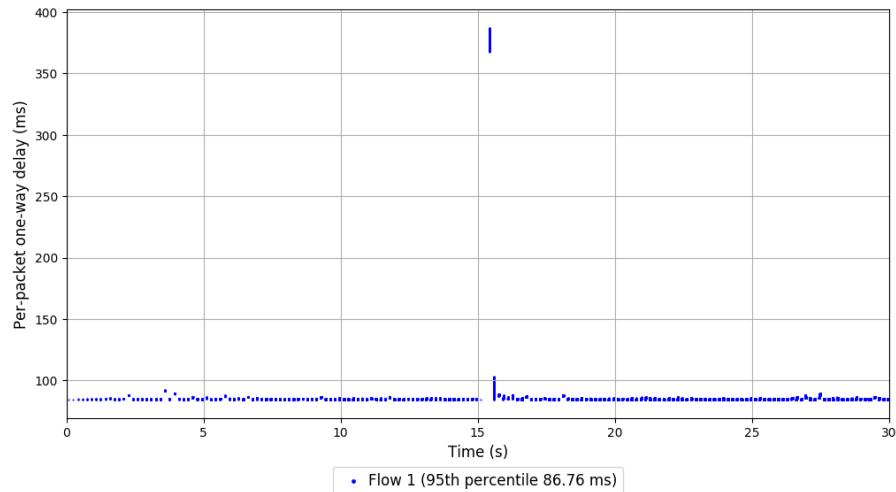
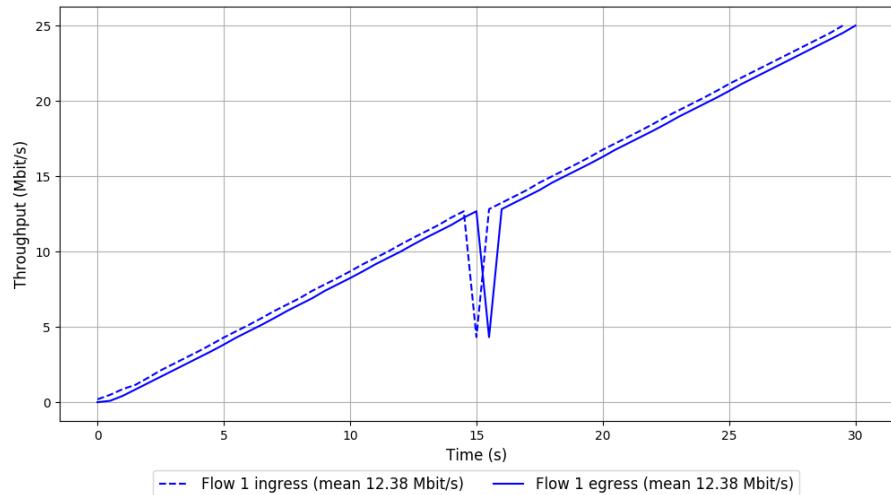


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-22 00:41:10
End at: 2018-05-22 00:41:40
Local clock offset: -3.768 ms
Remote clock offset: 15.107 ms

# Below is generated by plot.py at 2018-05-22 00:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

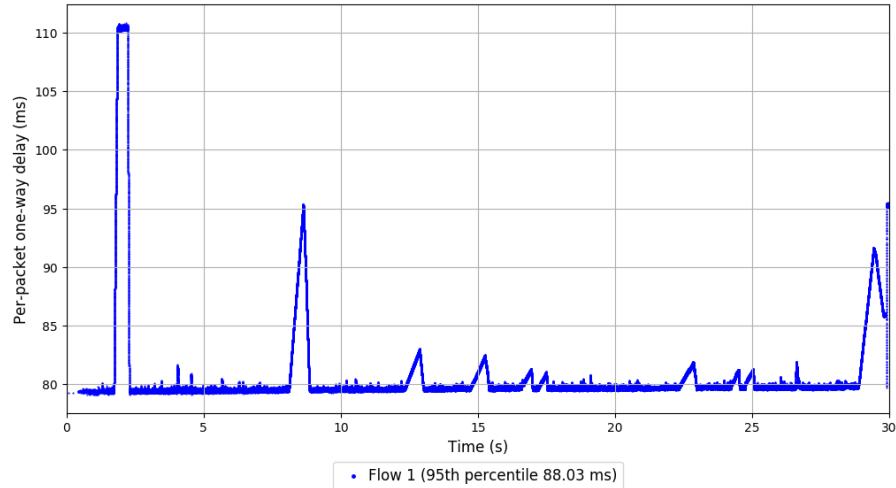
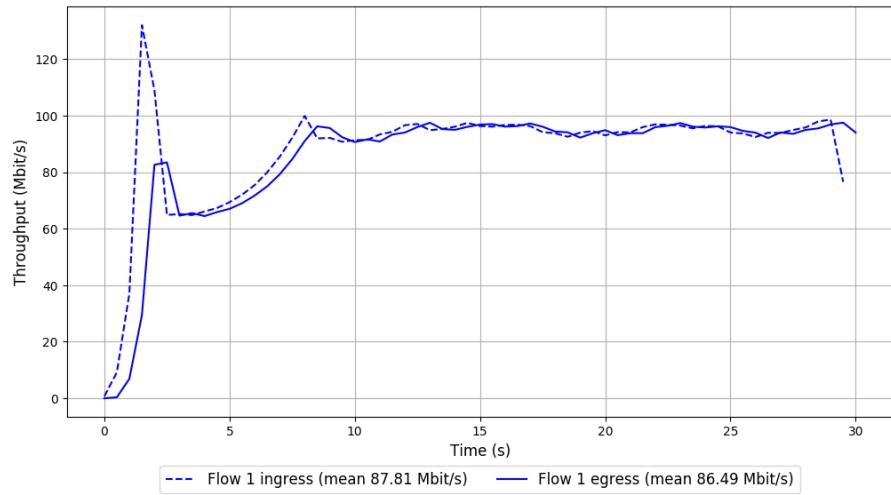


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-21 21:52:21
End at: 2018-05-21 21:52:51
Local clock offset: 32.236 ms
Remote clock offset: 2.882 ms

# Below is generated by plot.py at 2018-05-22 00:55:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 88.035 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 88.035 ms
Loss rate: 1.44%
```

Run 1: Report of PCC-Allegro — Data Link

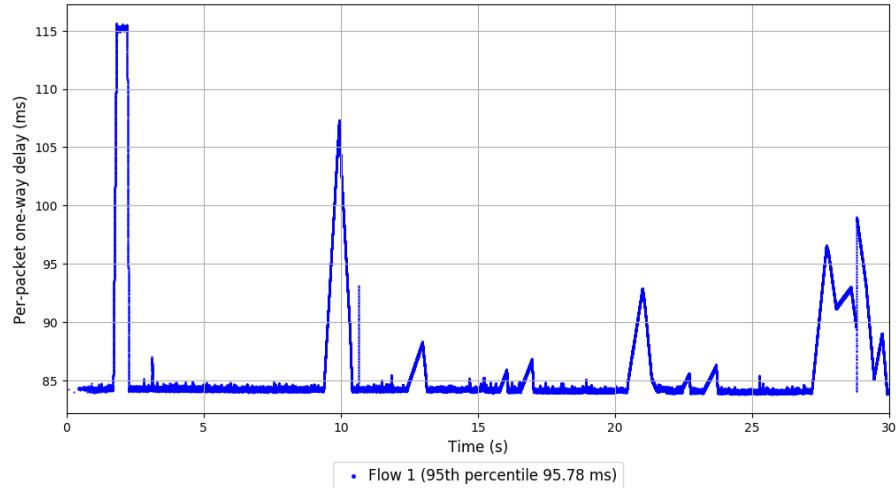
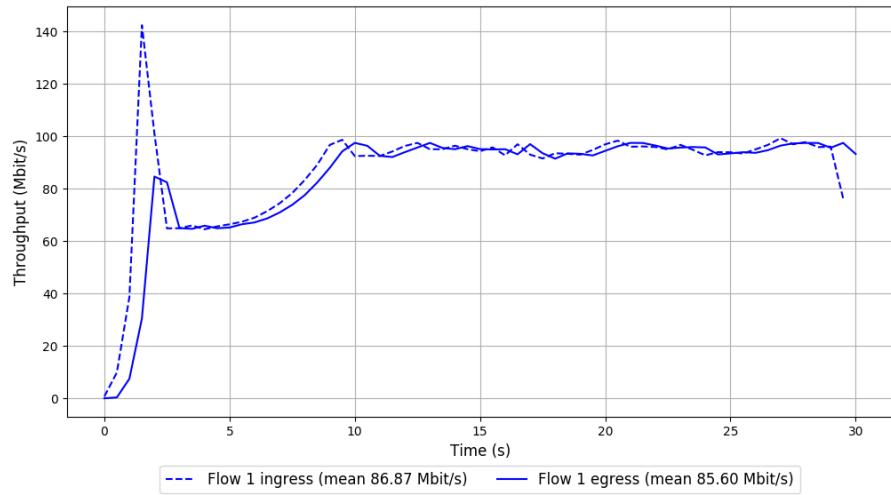


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-21 22:10:51
End at: 2018-05-21 22:11:21
Local clock offset: 4.139 ms
Remote clock offset: 7.307 ms

# Below is generated by plot.py at 2018-05-22 00:55:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 95.784 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 95.784 ms
Loss rate: 1.47%
```

Run 2: Report of PCC-Allegro — Data Link

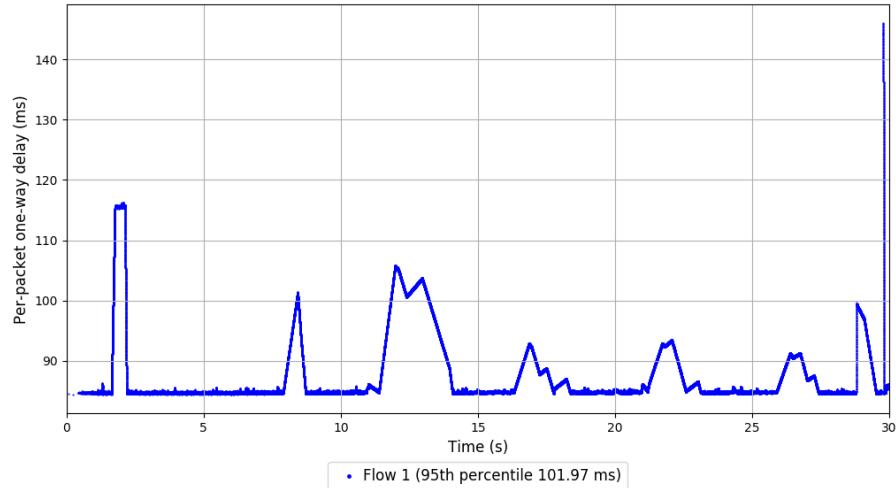
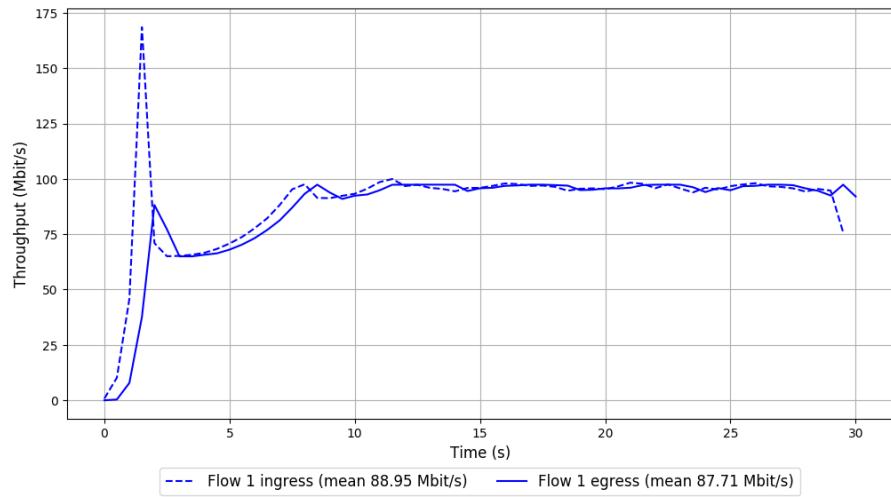


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-21 22:29:20
End at: 2018-05-21 22:29:50
Local clock offset: -3.572 ms
Remote clock offset: 7.953 ms

# Below is generated by plot.py at 2018-05-22 00:55:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 101.969 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 101.969 ms
Loss rate: 1.39%
```

Run 3: Report of PCC-Allegro — Data Link

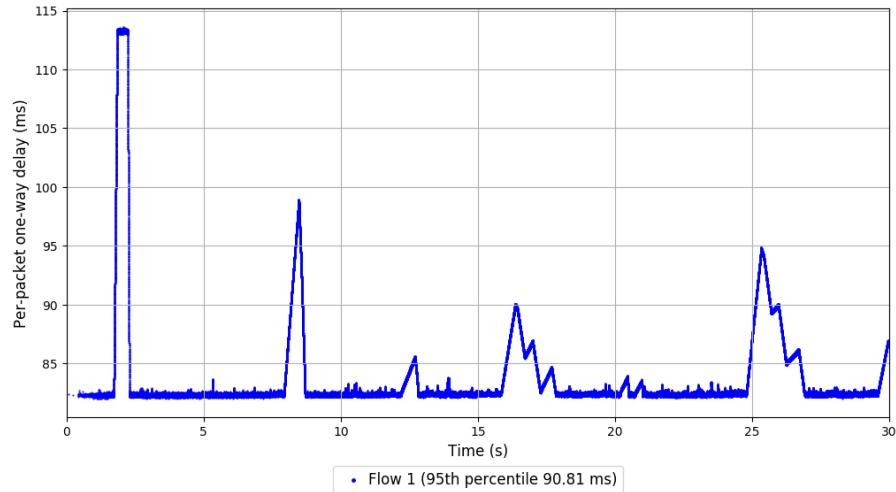
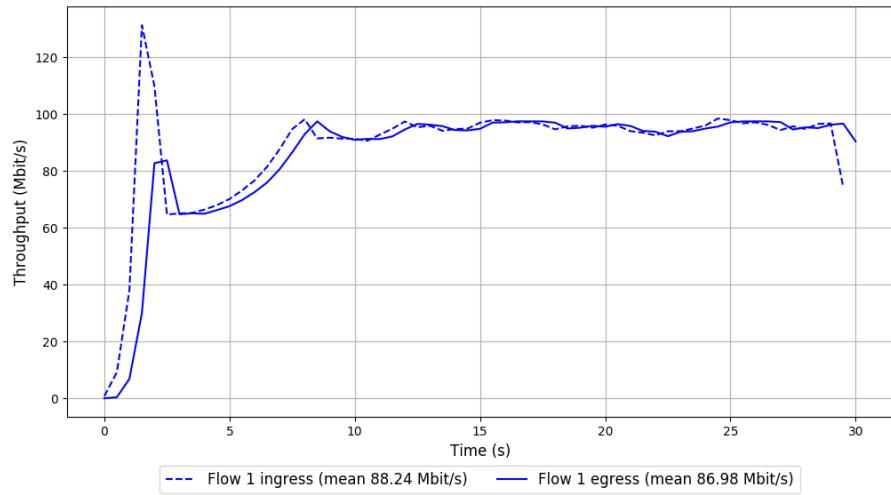


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-21 22:47:50
End at: 2018-05-21 22:48:20
Local clock offset: -4.03 ms
Remote clock offset: 7.235 ms

# Below is generated by plot.py at 2018-05-22 00:55:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 90.810 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 90.810 ms
Loss rate: 1.42%
```

Run 4: Report of PCC-Allegro — Data Link

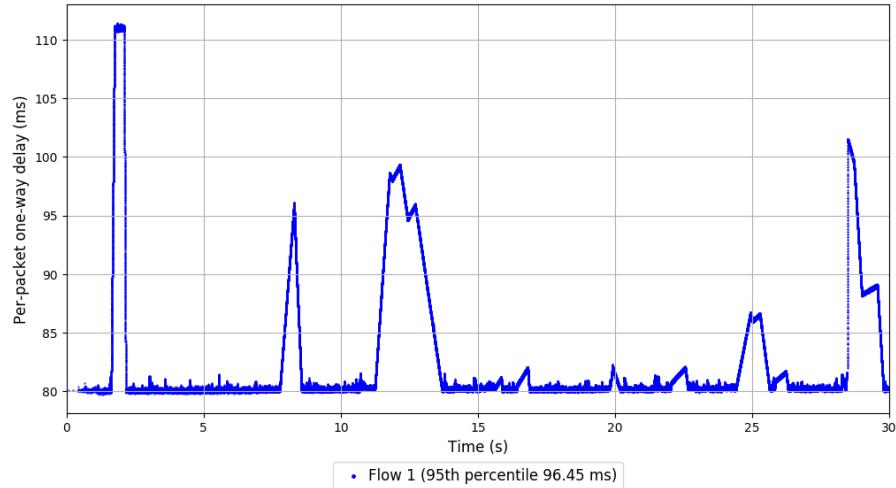
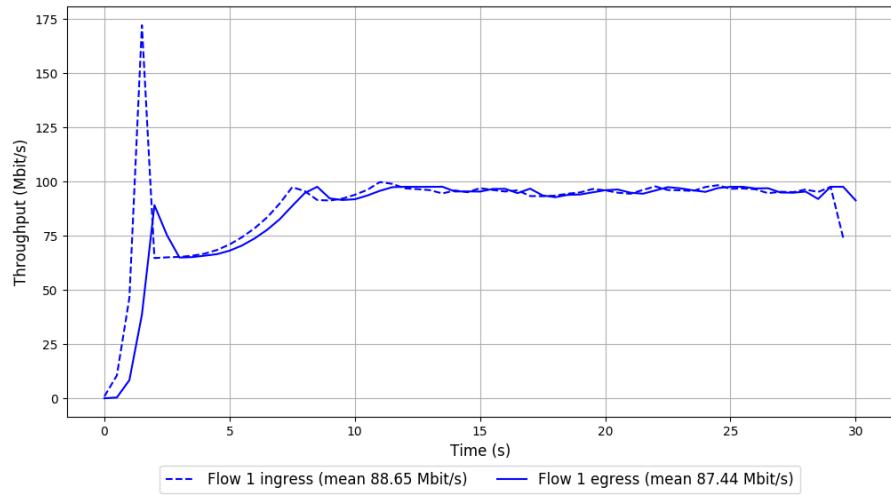


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-21 23:06:20
End at: 2018-05-21 23:06:50
Local clock offset: -2.949 ms
Remote clock offset: 4.907 ms

# Below is generated by plot.py at 2018-05-22 00:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 96.450 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 96.450 ms
Loss rate: 1.37%
```

Run 5: Report of PCC-Allegro — Data Link

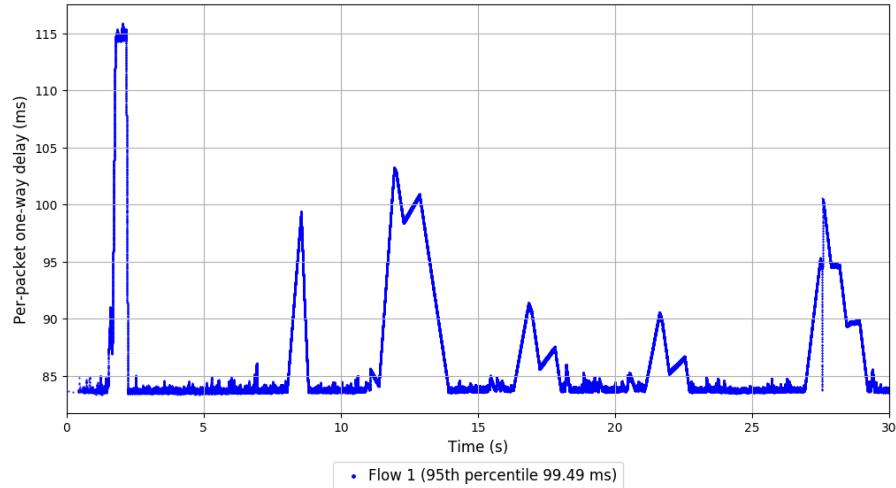
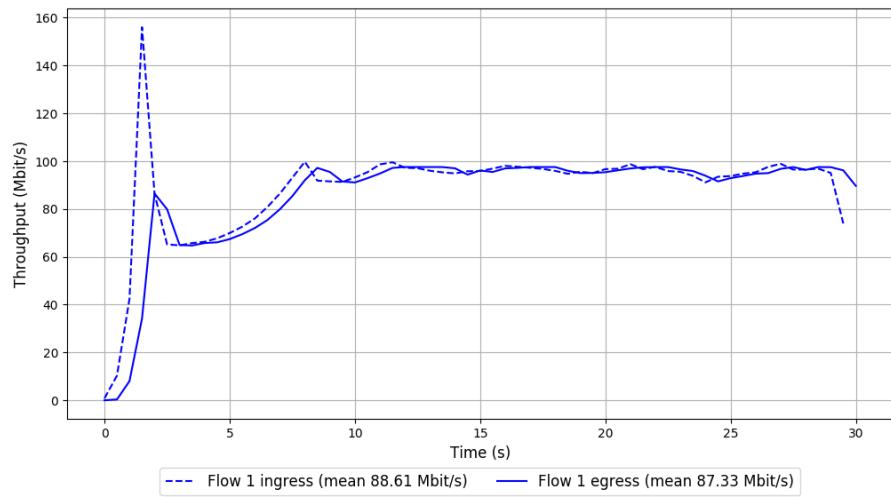


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-21 23:24:53
End at: 2018-05-21 23:25:23
Local clock offset: -1.626 ms
Remote clock offset: 8.925 ms

# Below is generated by plot.py at 2018-05-22 00:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 99.491 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 99.491 ms
Loss rate: 1.44%
```

Run 6: Report of PCC-Allegro — Data Link

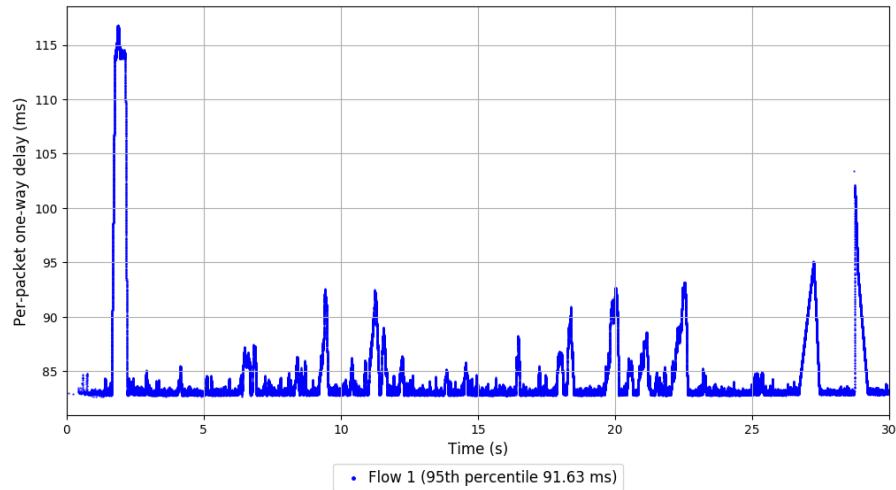
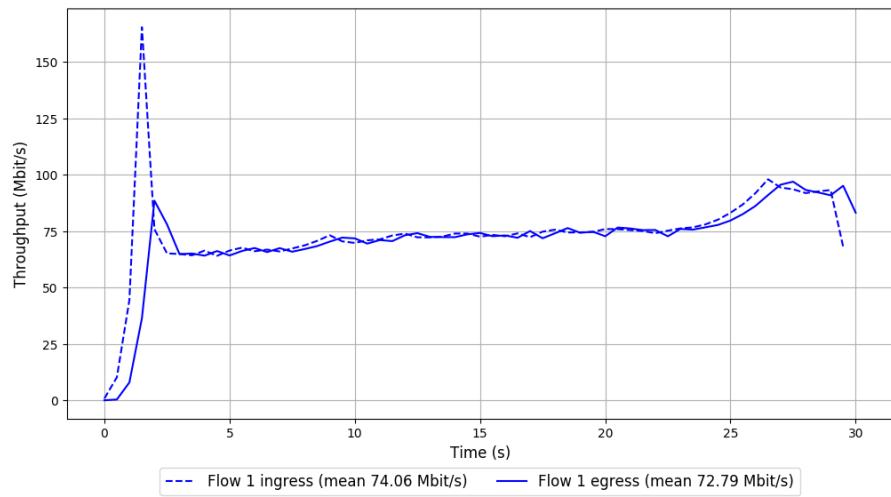


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-21 23:43:24
End at: 2018-05-21 23:43:54
Local clock offset: -3.621 ms
Remote clock offset: 7.633 ms

# Below is generated by plot.py at 2018-05-22 00:55:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.79 Mbit/s
95th percentile per-packet one-way delay: 91.634 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 72.79 Mbit/s
95th percentile per-packet one-way delay: 91.634 ms
Loss rate: 1.72%
```

Run 7: Report of PCC-Allegro — Data Link

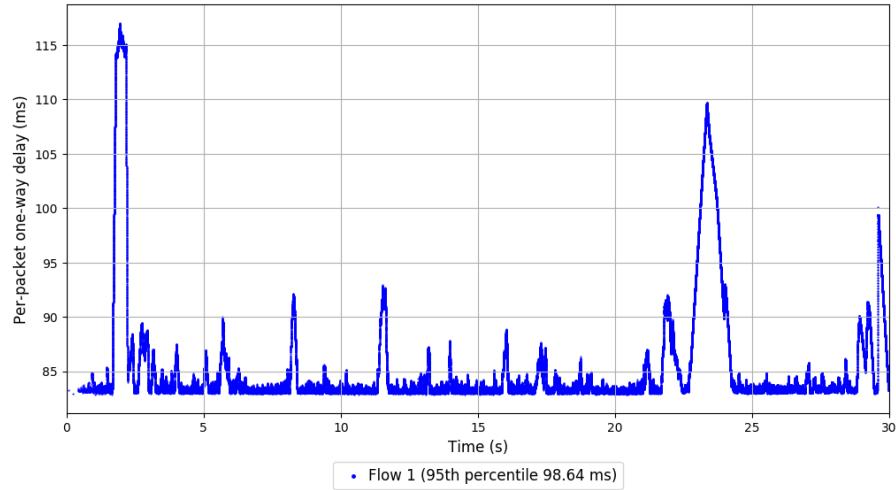
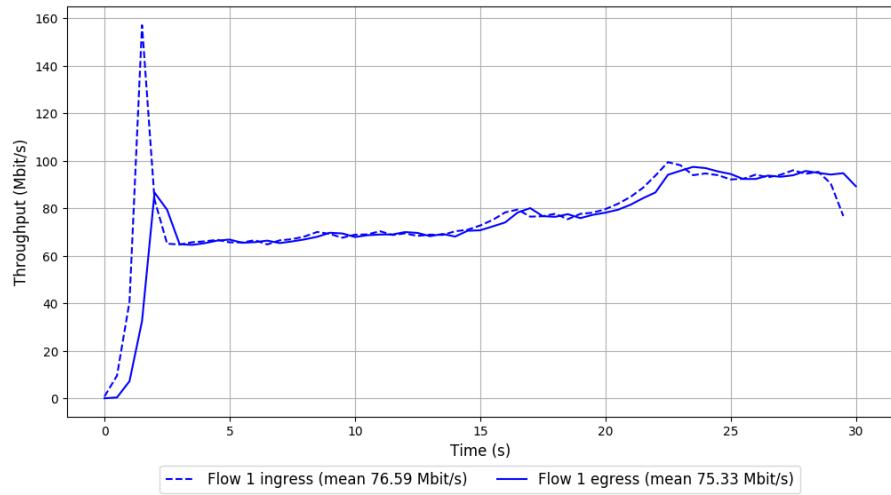


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-22 00:01:52
End at: 2018-05-22 00:02:22
Local clock offset: -5.506 ms
Remote clock offset: 7.673 ms

# Below is generated by plot.py at 2018-05-22 00:55:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 98.643 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 98.643 ms
Loss rate: 1.64%
```

Run 8: Report of PCC-Allegro — Data Link

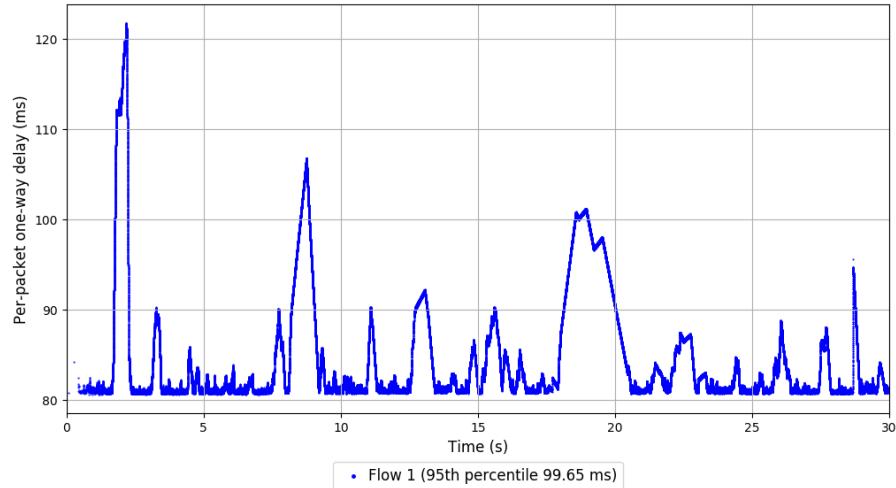
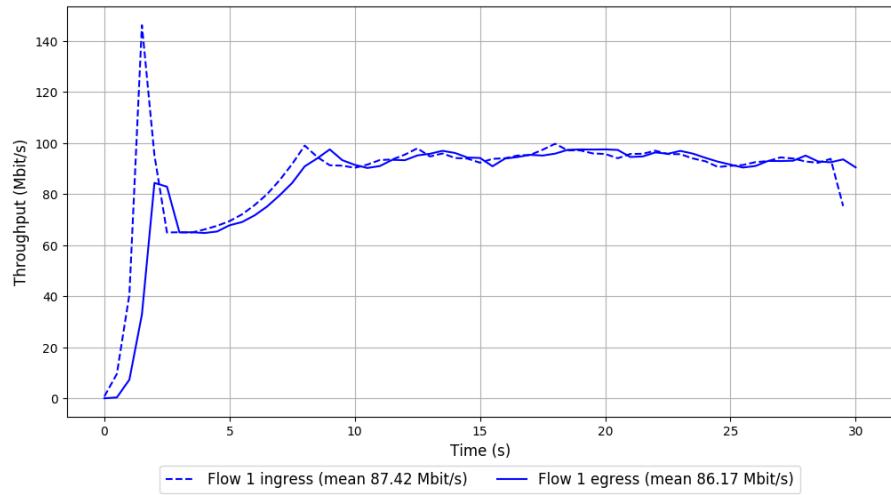


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-22 00:20:21
End at: 2018-05-22 00:20:51
Local clock offset: -8.545 ms
Remote clock offset: 3.027 ms

# Below is generated by plot.py at 2018-05-22 00:56:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.17 Mbit/s
95th percentile per-packet one-way delay: 99.647 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 86.17 Mbit/s
95th percentile per-packet one-way delay: 99.647 ms
Loss rate: 1.42%
```

Run 9: Report of PCC-Allegro — Data Link

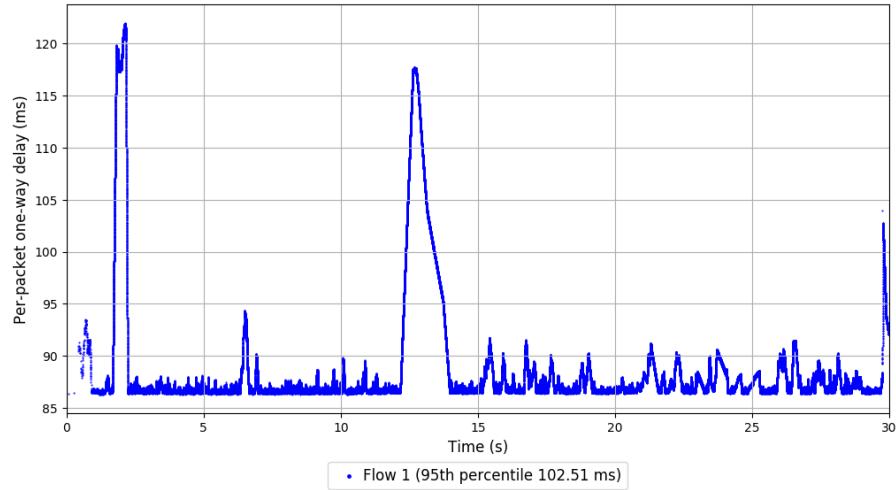
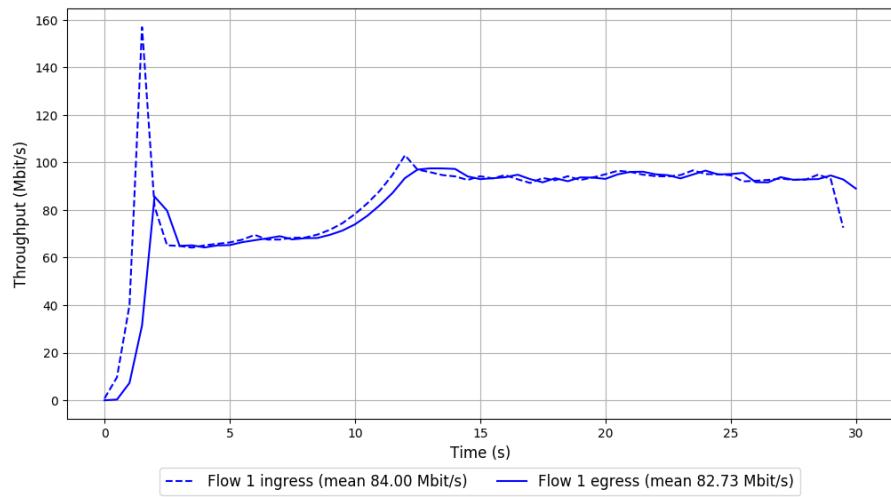


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-22 00:38:52
End at: 2018-05-22 00:39:22
Local clock offset: -4.846 ms
Remote clock offset: 15.373 ms

# Below is generated by plot.py at 2018-05-22 00:56:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 102.514 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 102.514 ms
Loss rate: 1.49%
```

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

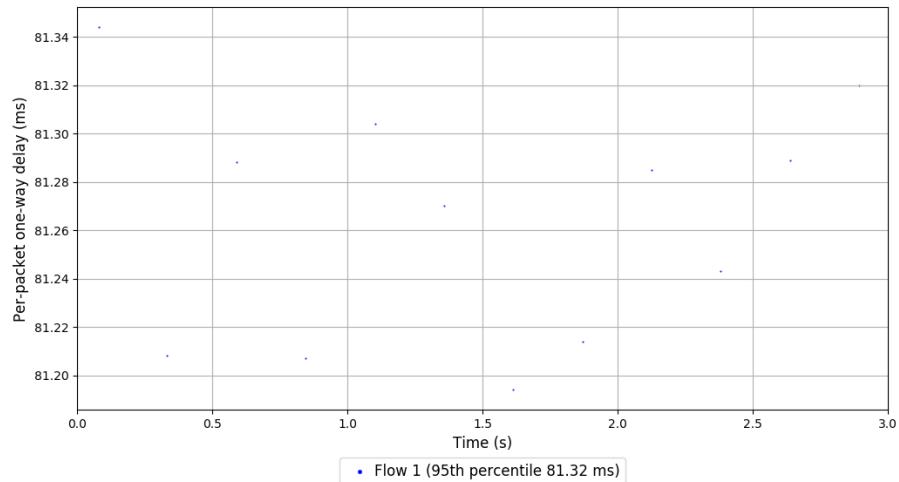
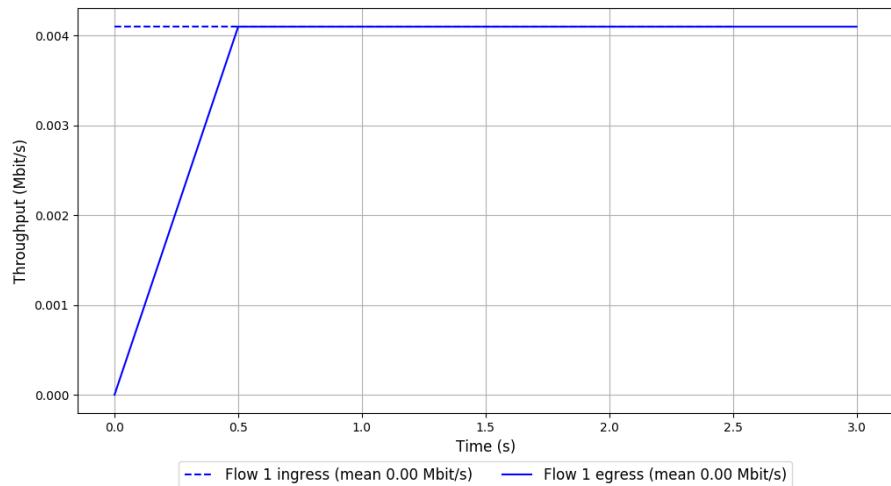
Start at: 2018-05-21 21:41:56

End at: 2018-05-21 21:42:26

Local clock offset: 23.897 ms

Remote clock offset: 3.181 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

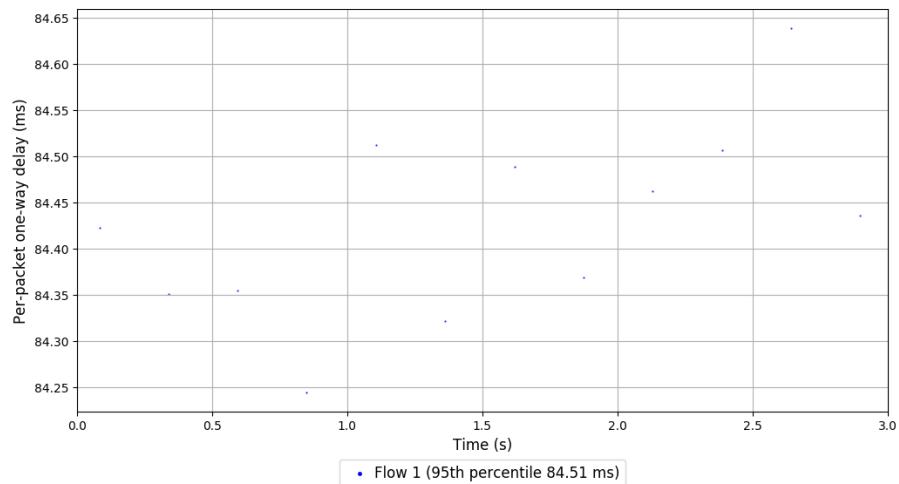
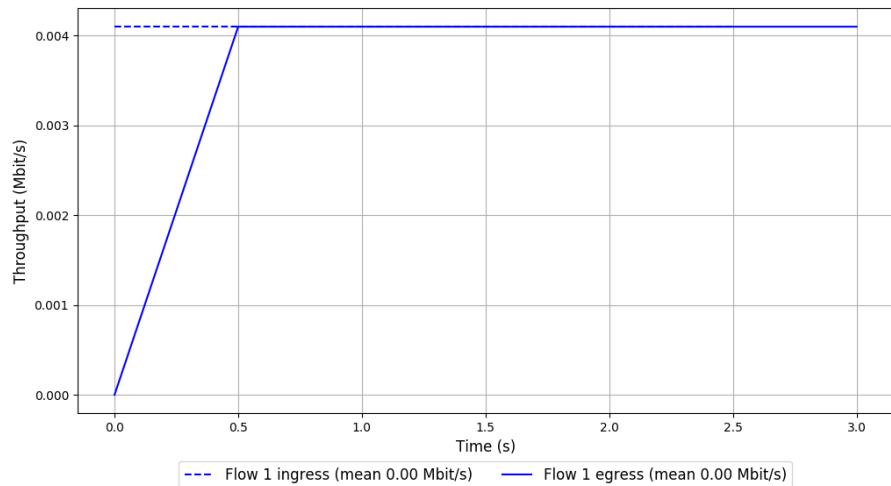
Start at: 2018-05-21 22:00:24

End at: 2018-05-21 22:00:54

Local clock offset: 20.743 ms

Remote clock offset: 7.498 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

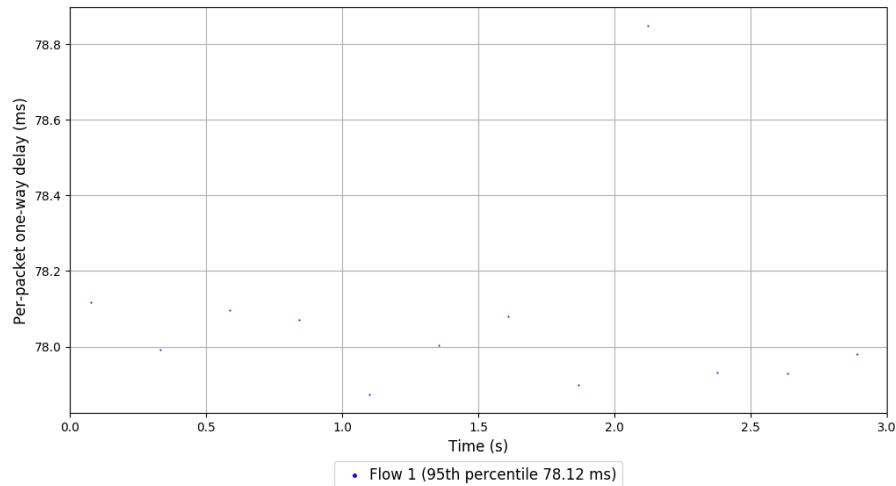
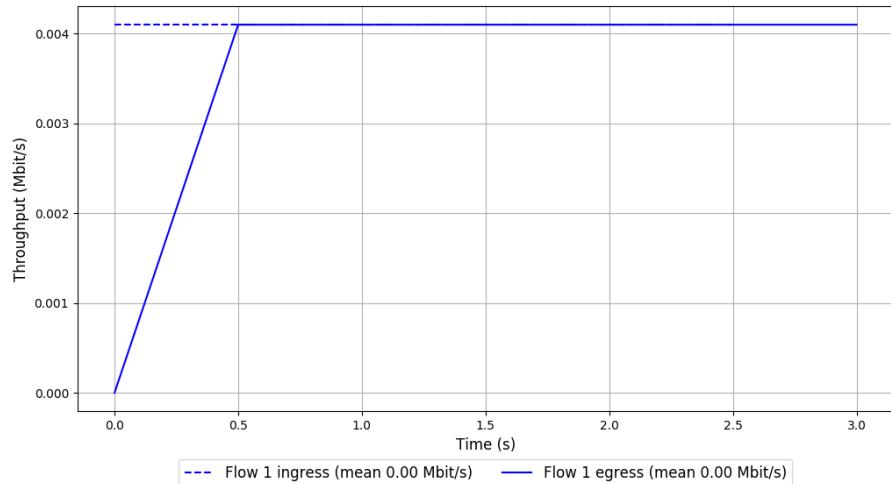
Start at: 2018-05-21 22:18:53

End at: 2018-05-21 22:19:23

Local clock offset: -0.502 ms

Remote clock offset: 2.786 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

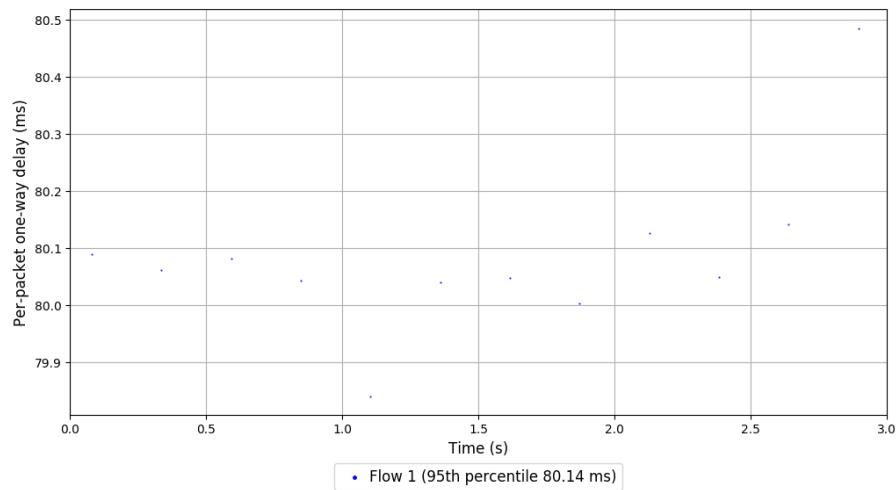
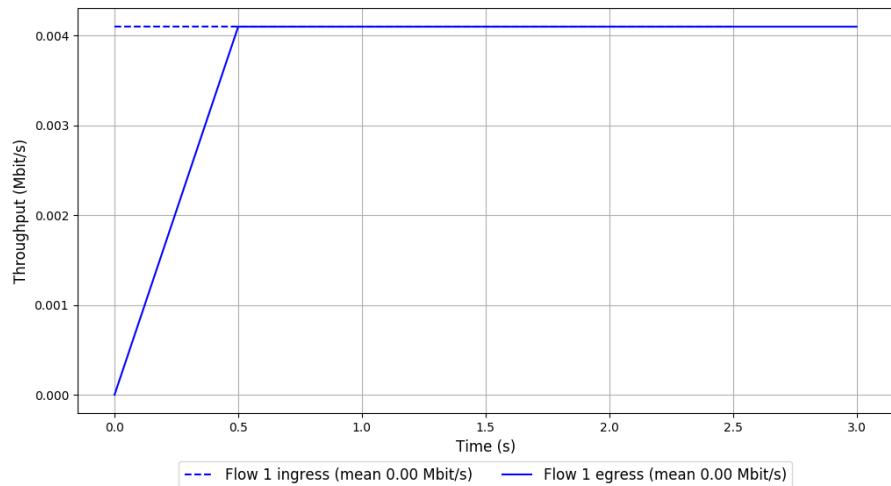
Start at: 2018-05-21 22:37:23

End at: 2018-05-21 22:37:53

Local clock offset: -3.375 ms

Remote clock offset: 2.395 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

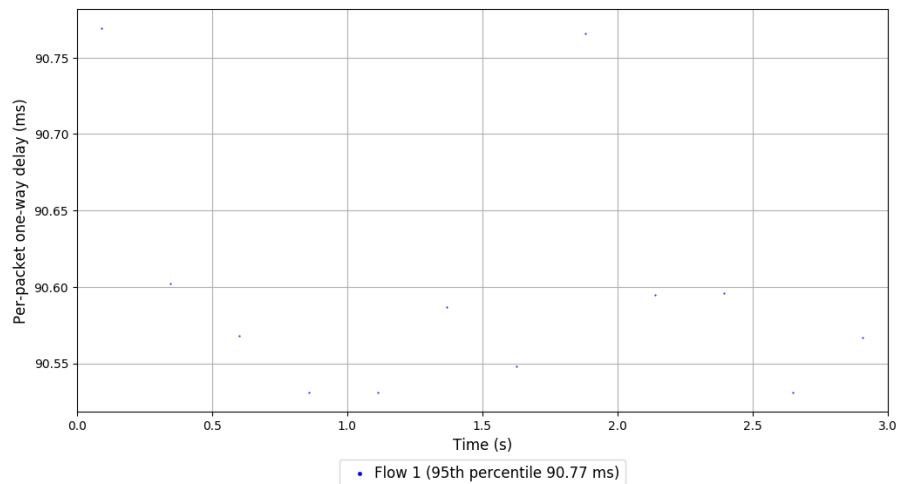
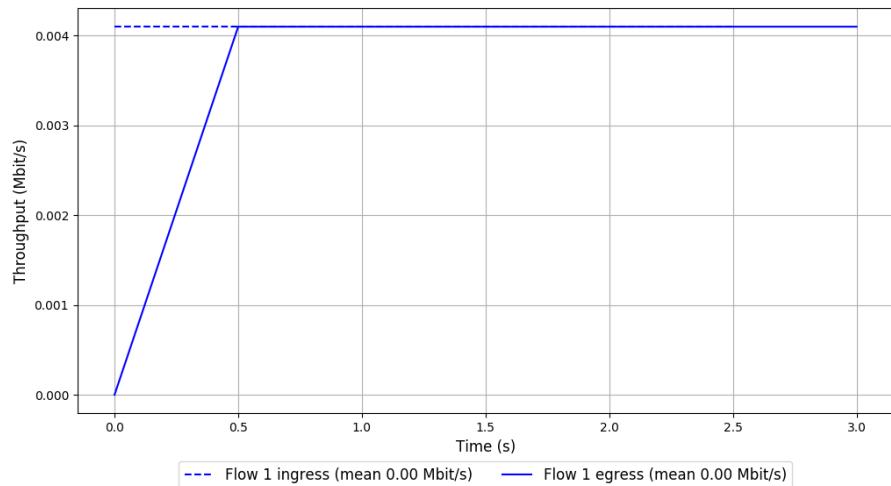
Start at: 2018-05-21 22:55:53

End at: 2018-05-21 22:56:23

Local clock offset: -4.483 ms

Remote clock offset: 8.379 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

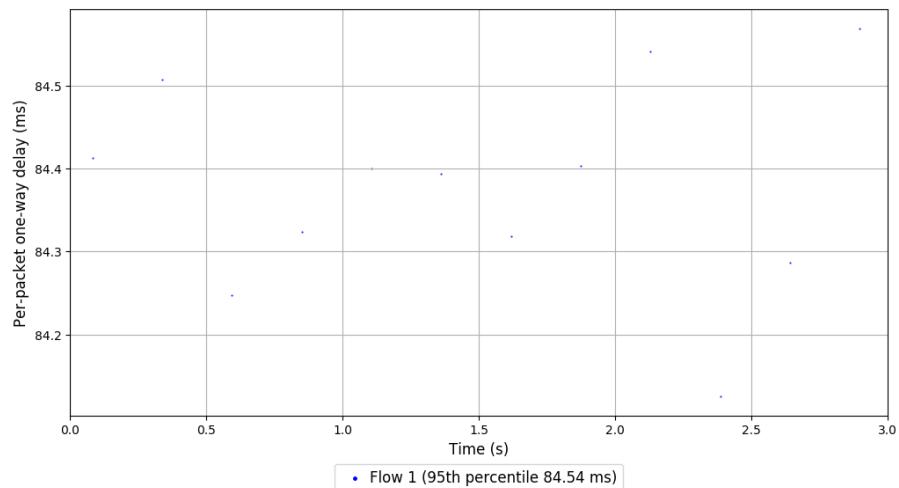
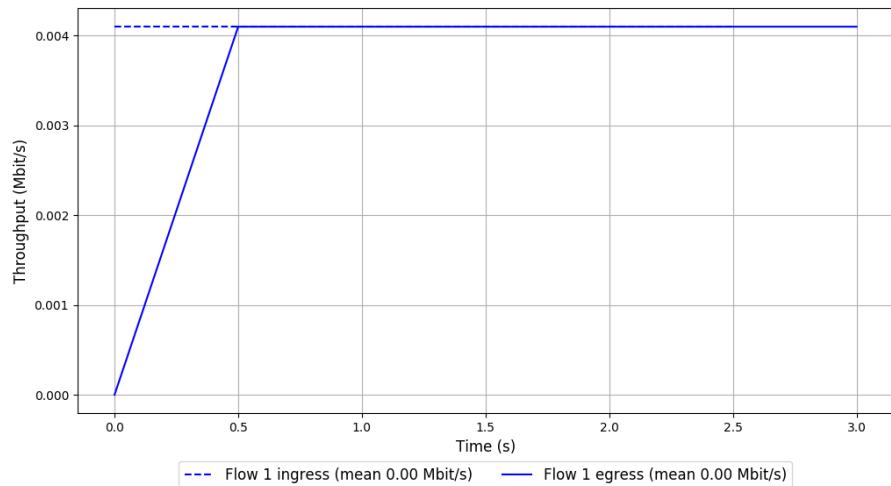
Start at: 2018-05-21 23:14:28

End at: 2018-05-21 23:14:58

Local clock offset: -2.459 ms

Remote clock offset: 9.629 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

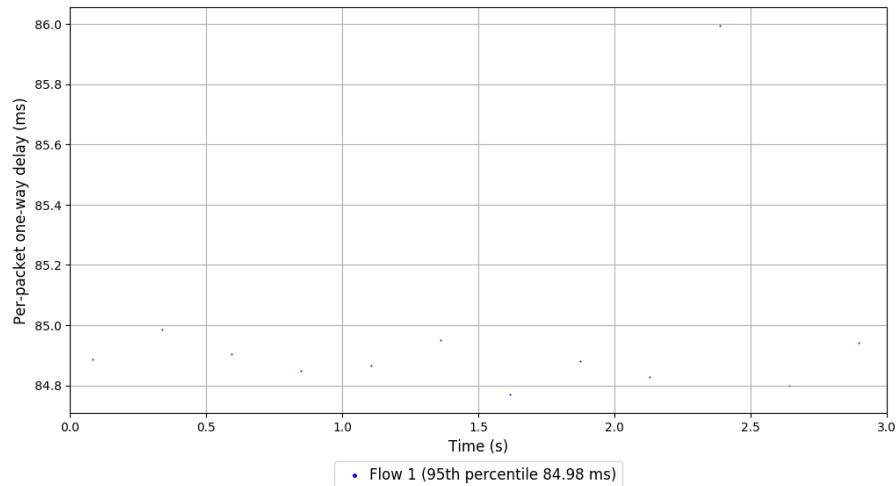
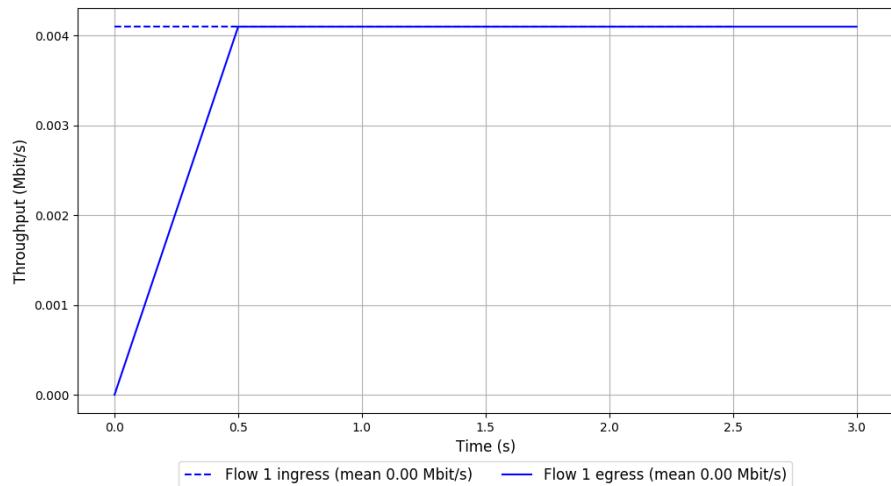
Start at: 2018-05-21 23:32:56

End at: 2018-05-21 23:33:26

Local clock offset: -3.042 ms

Remote clock offset: 3.953 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

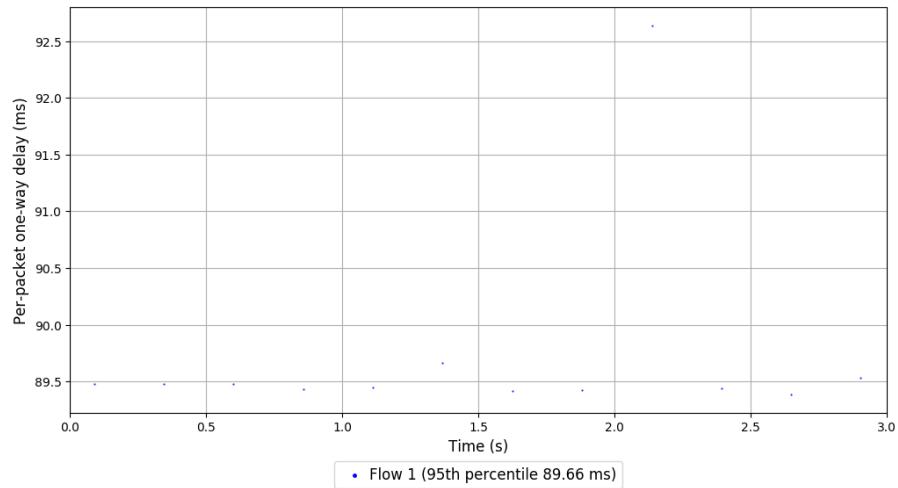
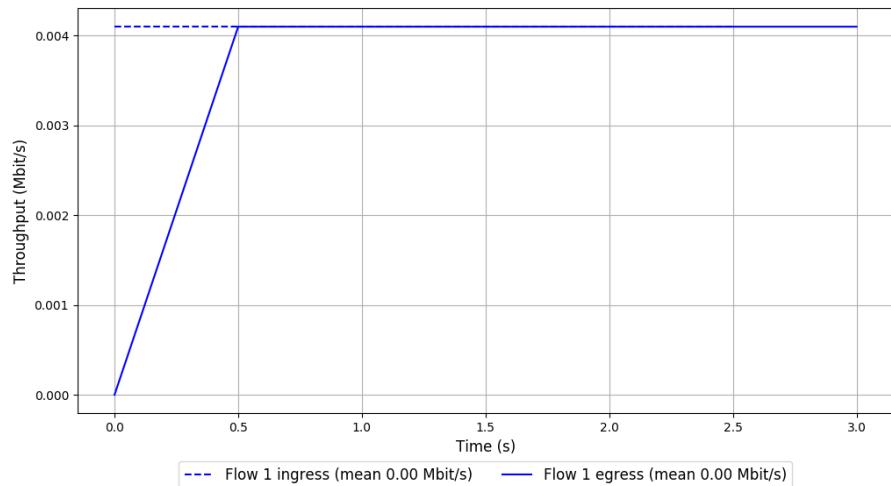
Start at: 2018-05-21 23:51:26

End at: 2018-05-21 23:51:56

Local clock offset: -4.794 ms

Remote clock offset: 7.607 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

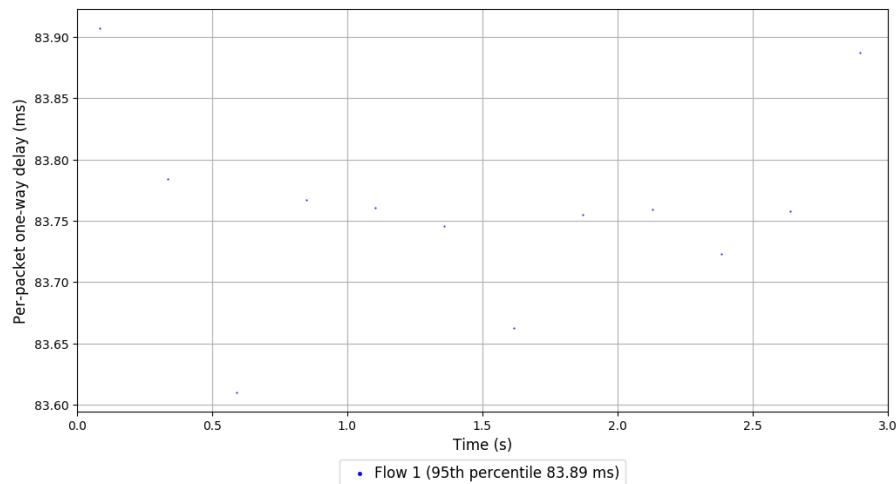
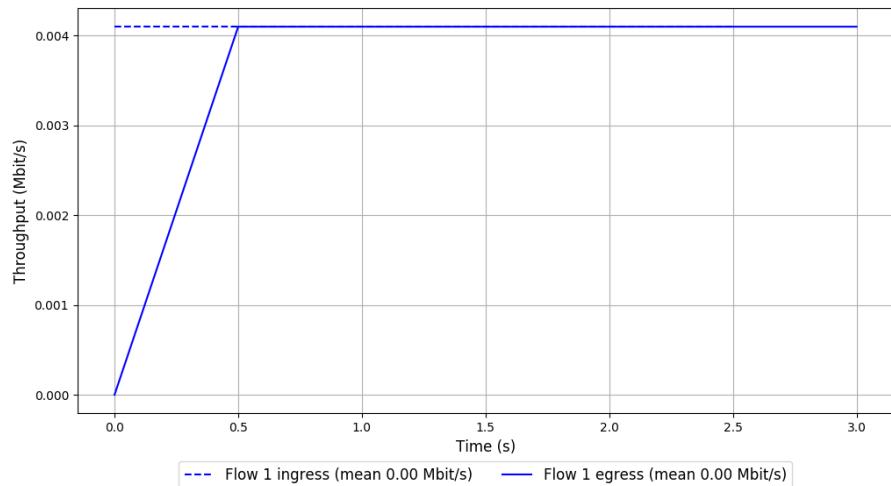
Start at: 2018-05-22 00:09:54

End at: 2018-05-22 00:10:24

Local clock offset: -5.985 ms

Remote clock offset: 7.629 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

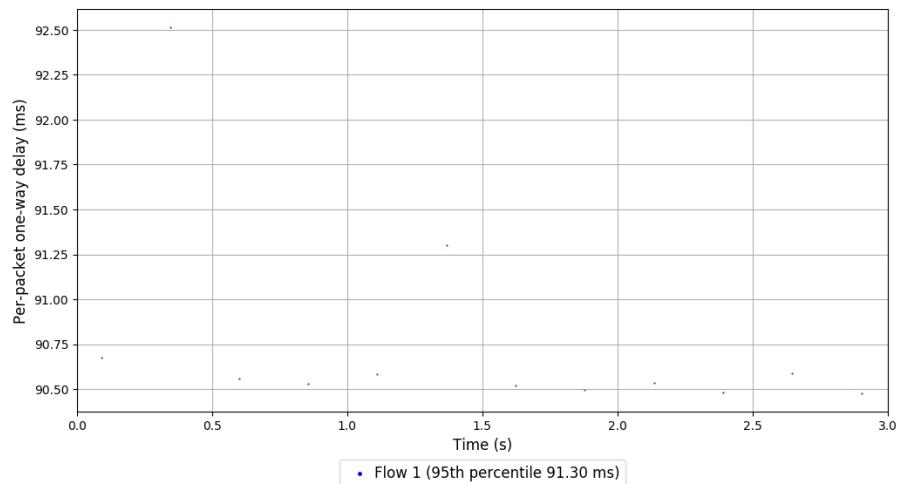
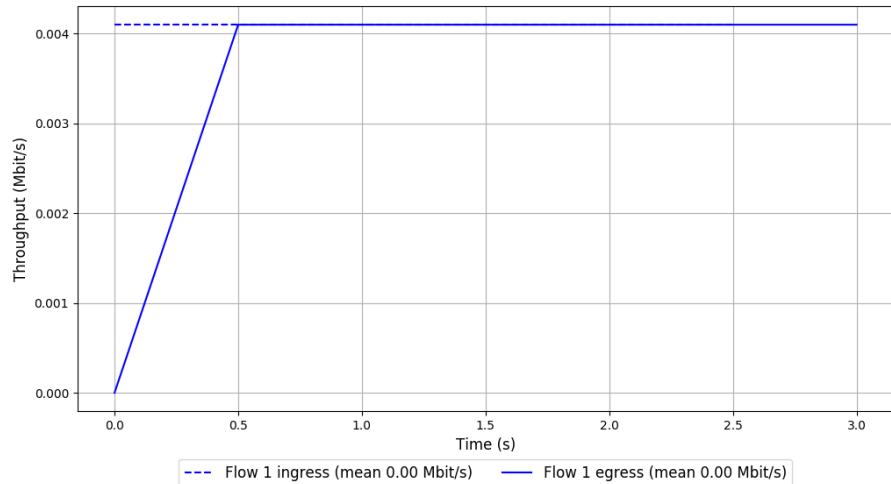
Start at: 2018-05-22 00:28:24

End at: 2018-05-22 00:28:54

Local clock offset: -7.259 ms

Remote clock offset: 11.556 ms

Run 10: Report of PCC-Expr — Data Link

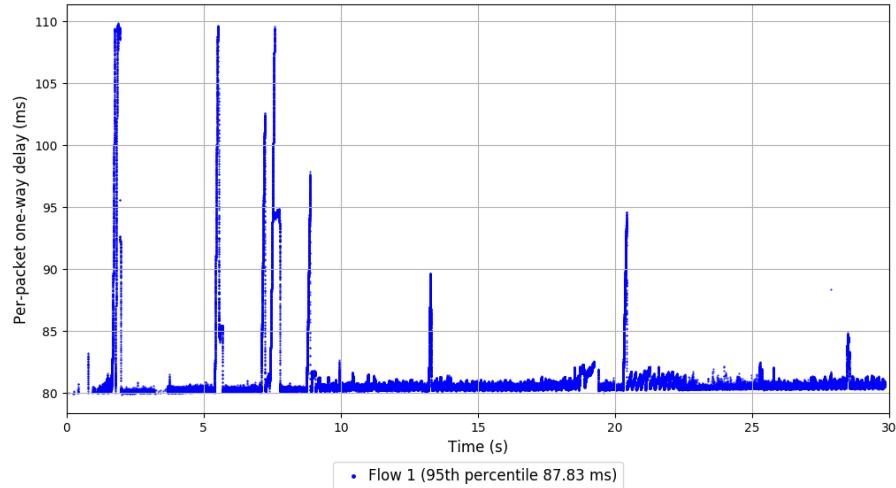
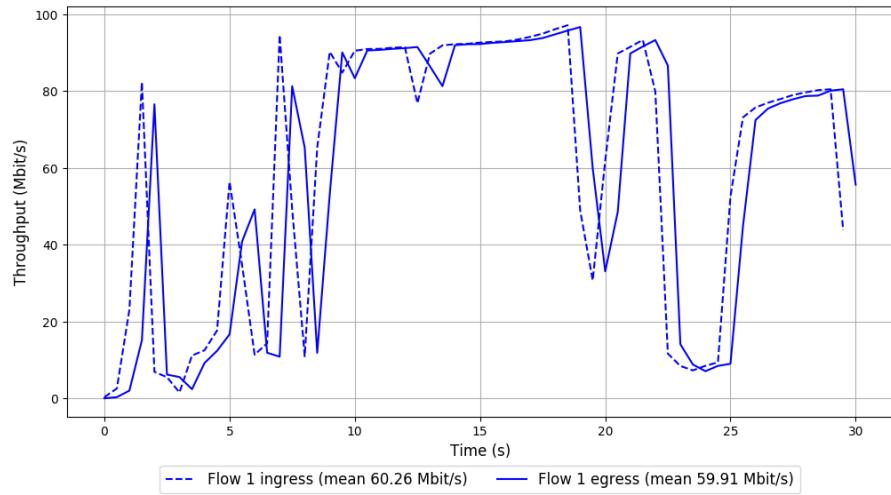


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-05-21 21:51:11
End at: 2018-05-21 21:51:41
Local clock offset: 31.589 ms
Remote clock offset: 3.695 ms

# Below is generated by plot.py at 2018-05-22 00:56:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.91 Mbit/s
95th percentile per-packet one-way delay: 87.835 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 59.91 Mbit/s
95th percentile per-packet one-way delay: 87.835 ms
Loss rate: 0.59%
```

Run 1: Report of QUIC Cubic — Data Link

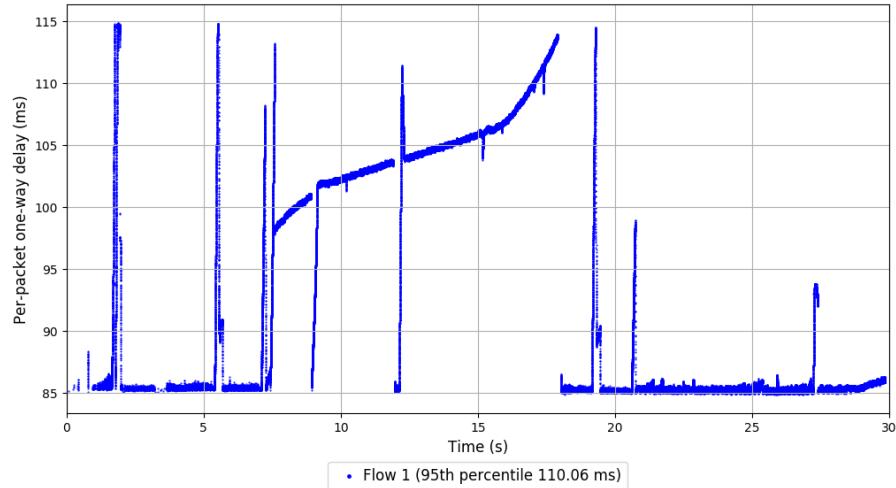
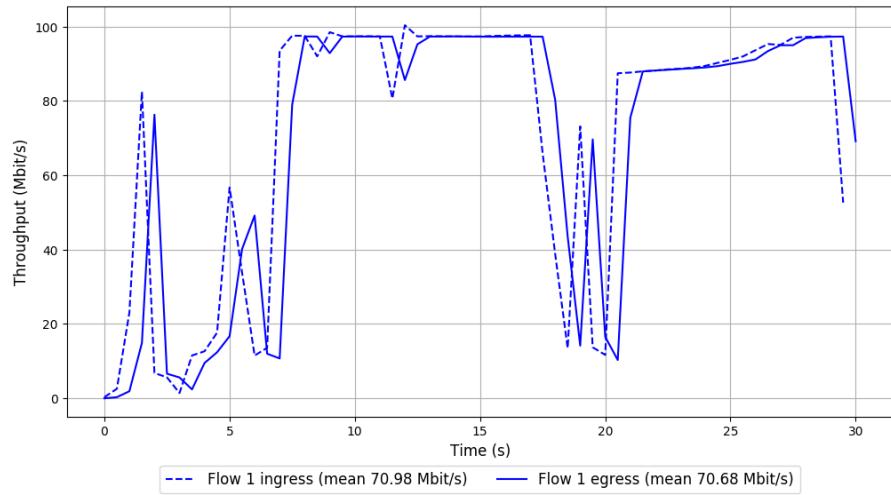


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-21 22:09:40
End at: 2018-05-21 22:10:10
Local clock offset: 5.197 ms
Remote clock offset: 7.431 ms

# Below is generated by plot.py at 2018-05-22 00:56:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 110.055 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 110.055 ms
Loss rate: 0.42%
```

Run 2: Report of QUIC Cubic — Data Link

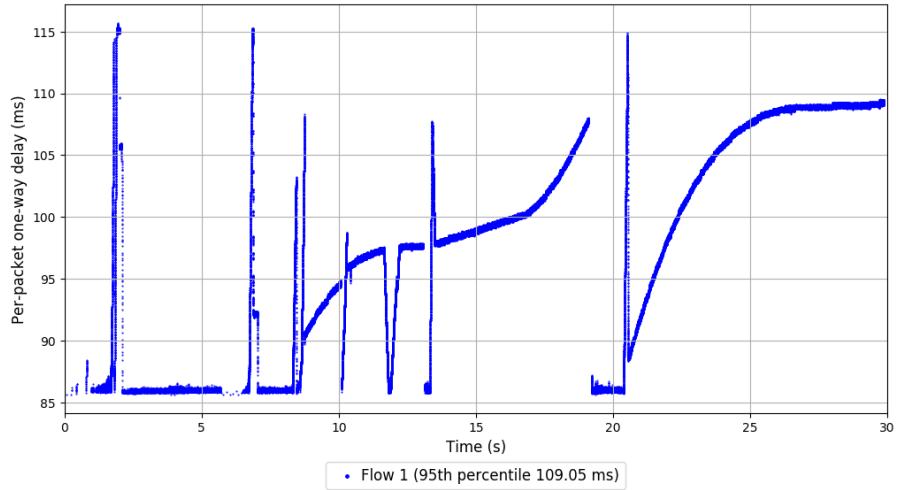
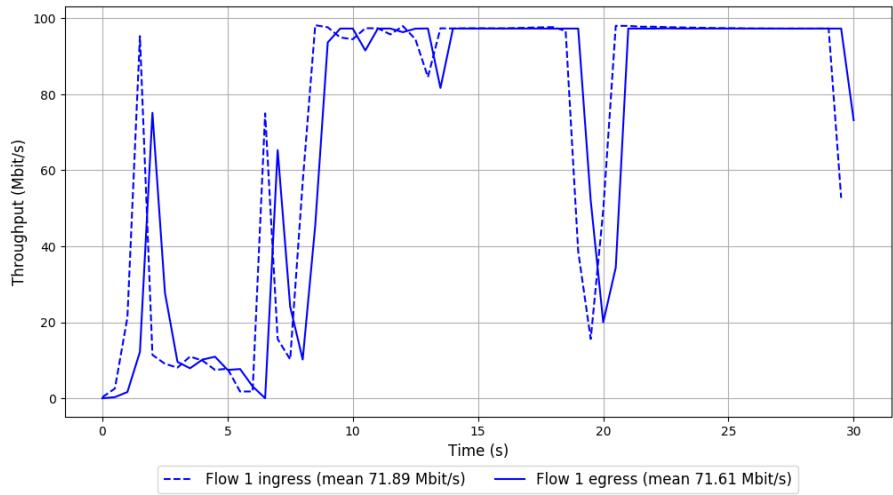


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-21 22:28:10
End at: 2018-05-21 22:28:40
Local clock offset: -3.412 ms
Remote clock offset: 3.371 ms

# Below is generated by plot.py at 2018-05-22 00:56:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.61 Mbit/s
95th percentile per-packet one-way delay: 109.054 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 71.61 Mbit/s
95th percentile per-packet one-way delay: 109.054 ms
Loss rate: 0.32%
```

Run 3: Report of QUIC Cubic — Data Link

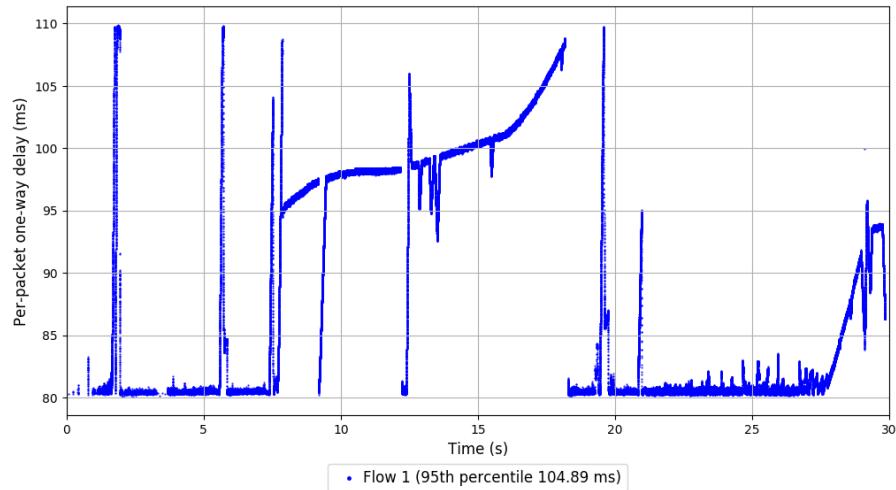
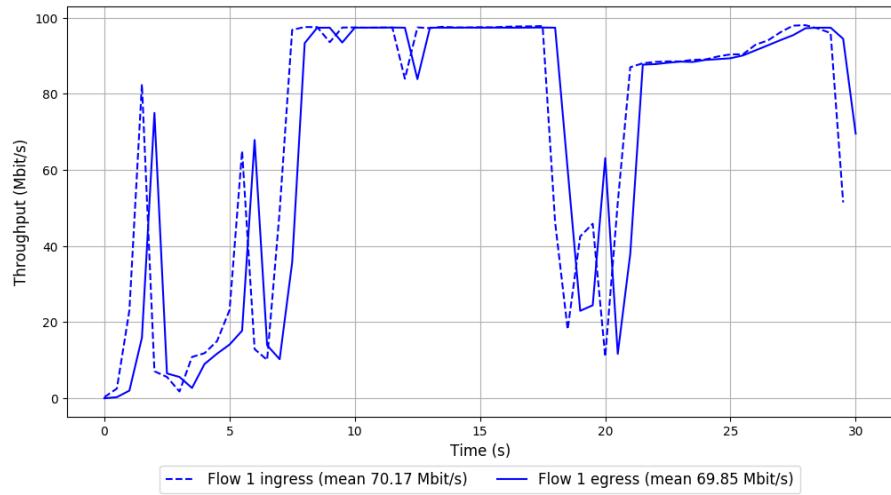


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-21 22:46:40
End at: 2018-05-21 22:47:10
Local clock offset: -3.977 ms
Remote clock offset: 4.018 ms

# Below is generated by plot.py at 2018-05-22 00:56:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 104.887 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 104.887 ms
Loss rate: 0.44%
```

Run 4: Report of QUIC Cubic — Data Link

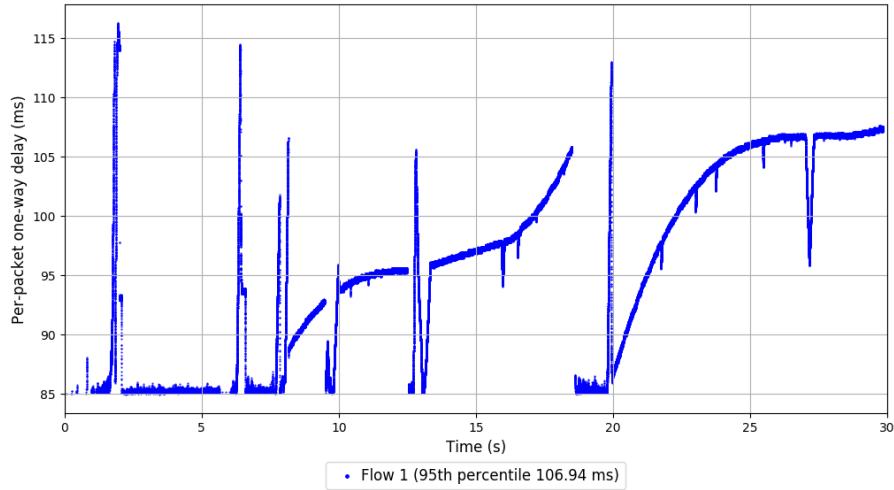
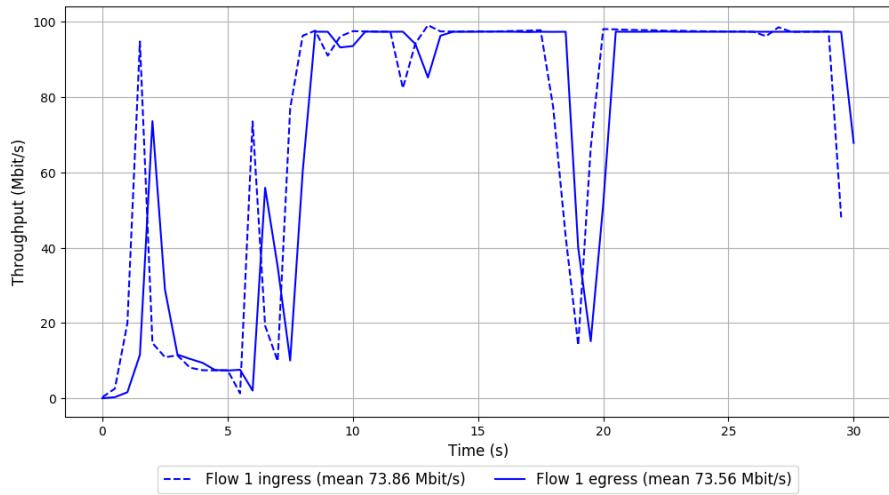


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-21 23:05:10
End at: 2018-05-21 23:05:40
Local clock offset: -2.205 ms
Remote clock offset: 3.9 ms

# Below is generated by plot.py at 2018-05-22 00:56:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.56 Mbit/s
95th percentile per-packet one-way delay: 106.935 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 73.56 Mbit/s
95th percentile per-packet one-way delay: 106.935 ms
Loss rate: 0.35%
```

Run 5: Report of QUIC Cubic — Data Link

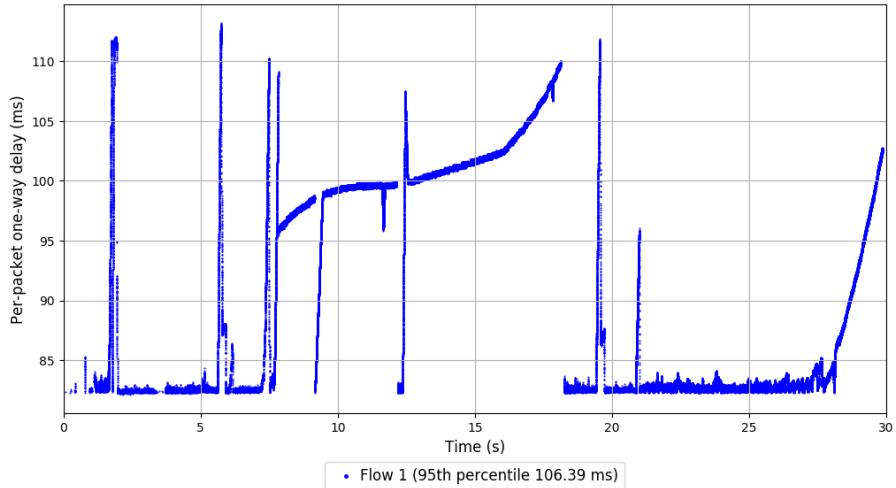
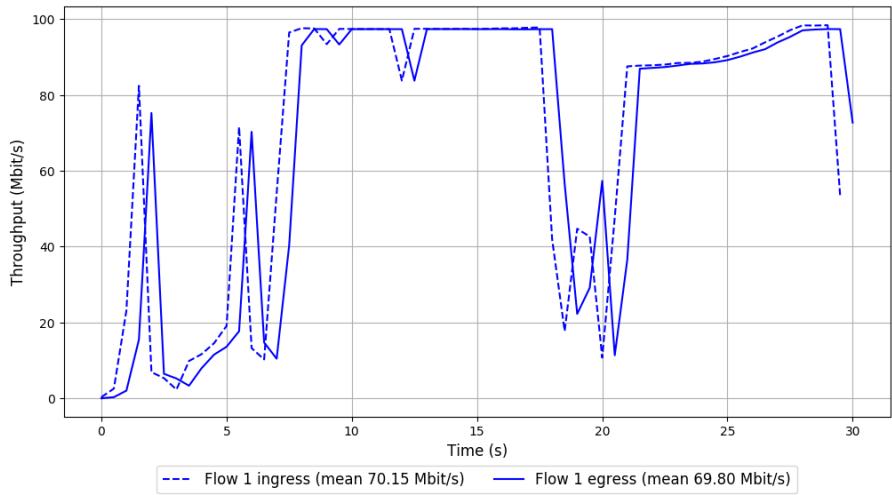


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-21 23:23:43
End at: 2018-05-21 23:24:13
Local clock offset: -2.392 ms
Remote clock offset: 7.221 ms

# Below is generated by plot.py at 2018-05-22 00:56:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 106.393 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 106.393 ms
Loss rate: 0.43%
```

Run 6: Report of QUIC Cubic — Data Link

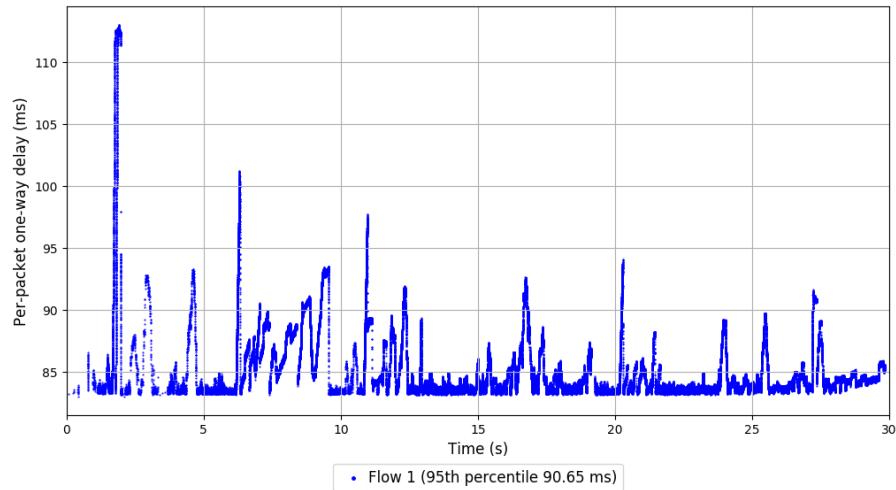
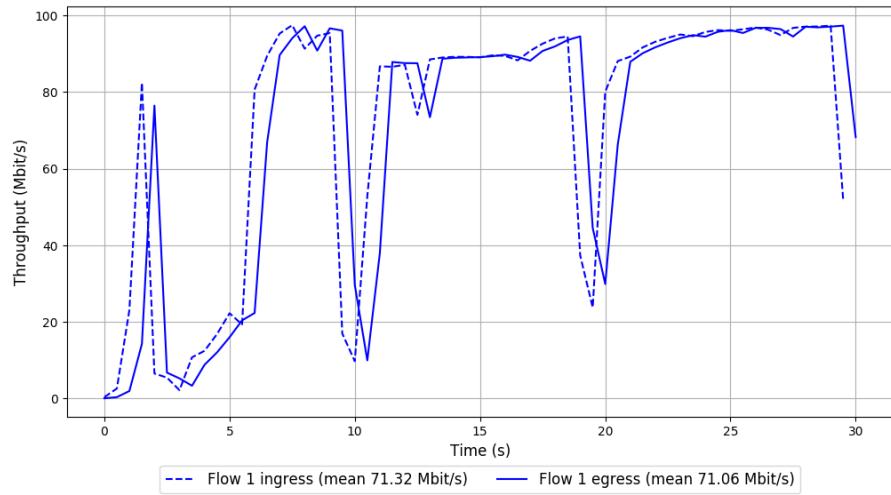


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-21 23:42:14
End at: 2018-05-21 23:42:44
Local clock offset: -2.839 ms
Remote clock offset: 6.886 ms

# Below is generated by plot.py at 2018-05-22 00:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 90.652 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 90.652 ms
Loss rate: 0.35%
```

Run 7: Report of QUIC Cubic — Data Link

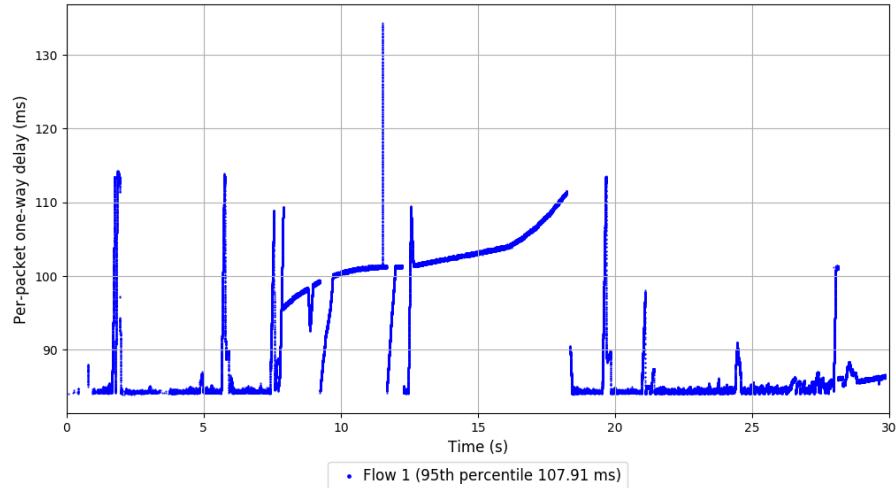
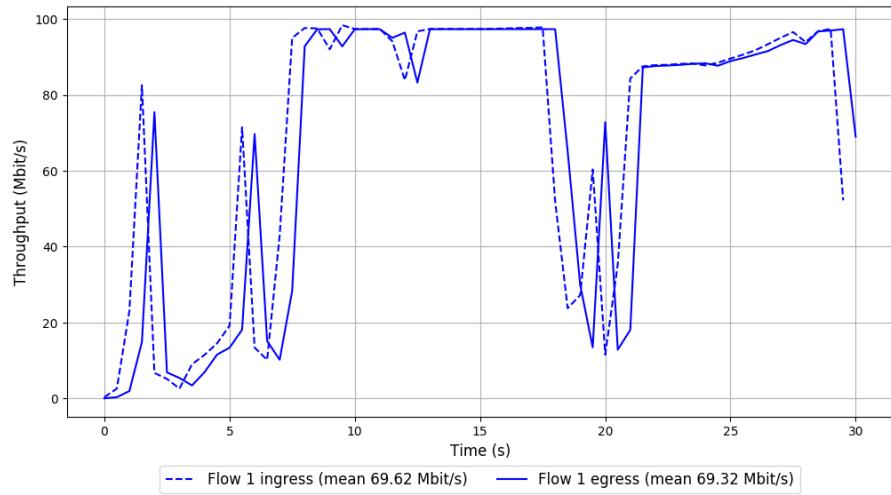


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-22 00:00:42
End at: 2018-05-22 00:01:12
Local clock offset: -5.201 ms
Remote clock offset: 8.551 ms

# Below is generated by plot.py at 2018-05-22 00:57:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.32 Mbit/s
95th percentile per-packet one-way delay: 107.908 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 69.32 Mbit/s
95th percentile per-packet one-way delay: 107.908 ms
Loss rate: 0.43%
```

Run 8: Report of QUIC Cubic — Data Link

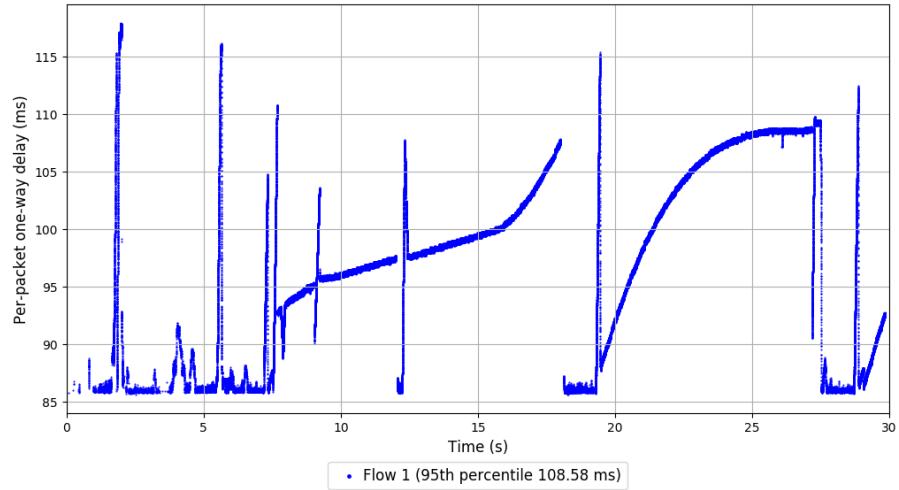
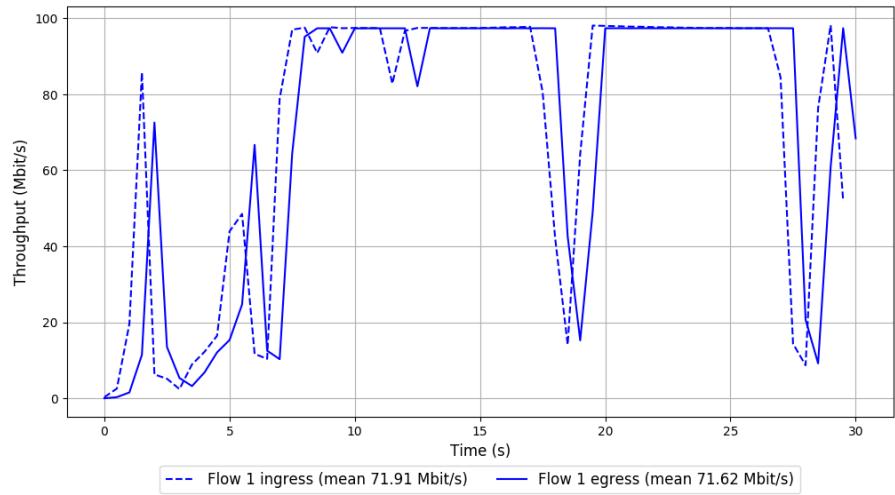


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-22 00:19:11
End at: 2018-05-22 00:19:41
Local clock offset: -6.914 ms
Remote clock offset: 3.794 ms

# Below is generated by plot.py at 2018-05-22 00:57:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 108.585 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 108.585 ms
Loss rate: 0.40%
```

Run 9: Report of QUIC Cubic — Data Link

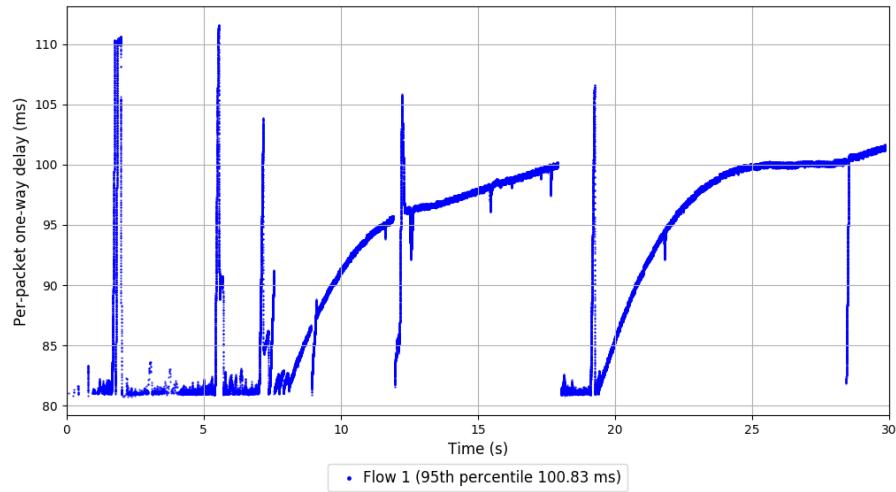
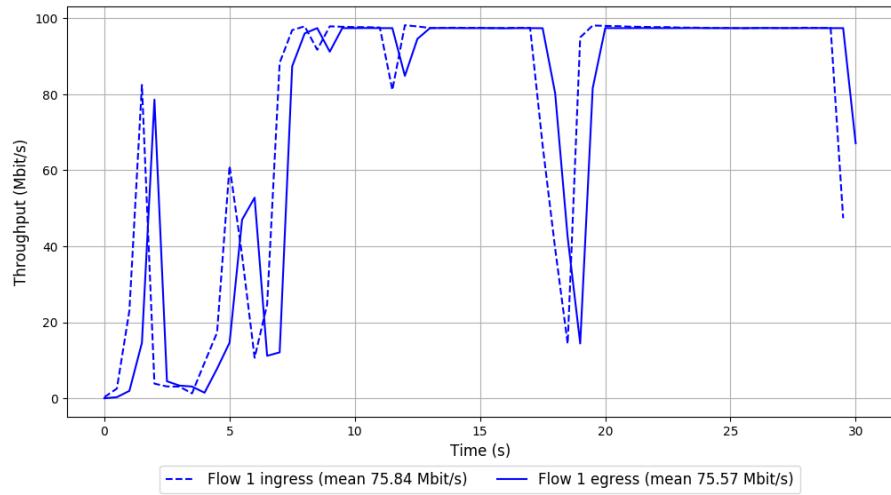


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-22 00:37:42
End at: 2018-05-22 00:38:12
Local clock offset: -4.208 ms
Remote clock offset: 11.357 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.57 Mbit/s
95th percentile per-packet one-way delay: 100.827 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 75.57 Mbit/s
95th percentile per-packet one-way delay: 100.827 ms
Loss rate: 0.29%
```

Run 10: Report of QUIC Cubic — Data Link

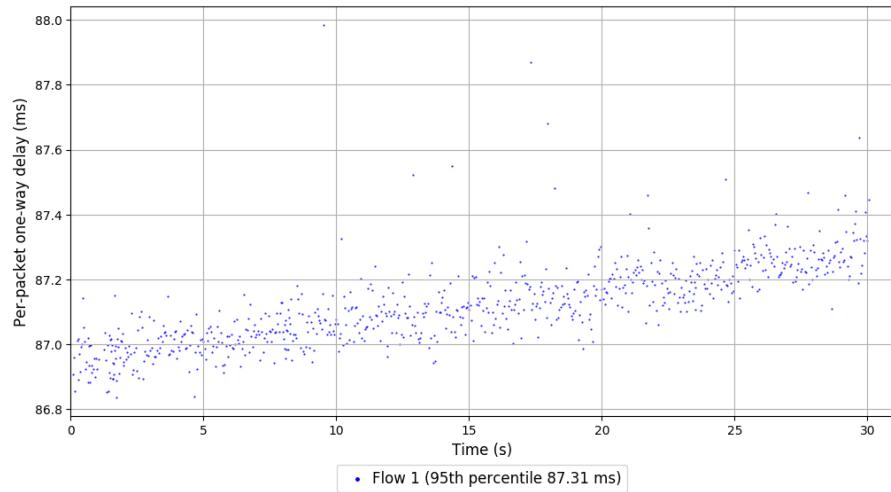
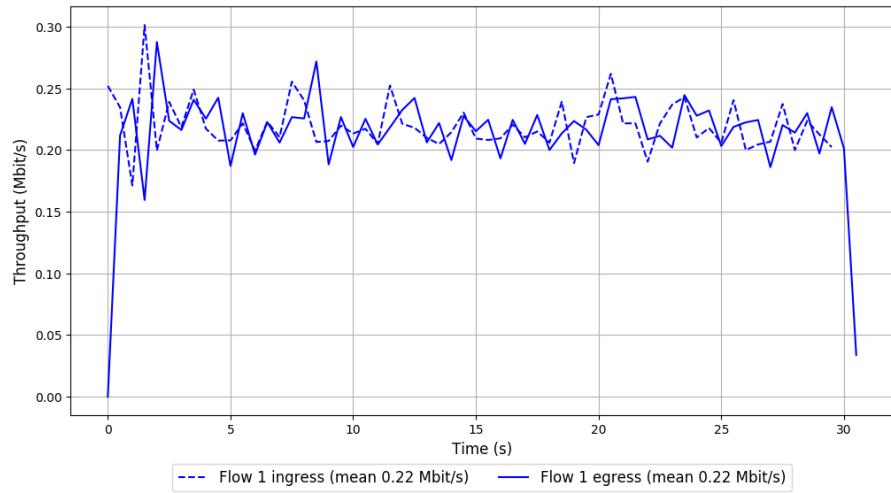


Run 1: Statistics of SCReAM

```
Start at: 2018-05-21 21:50:05
End at: 2018-05-21 21:50:35
Local clock offset: 29.993 ms
Remote clock offset: 3.839 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.306 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

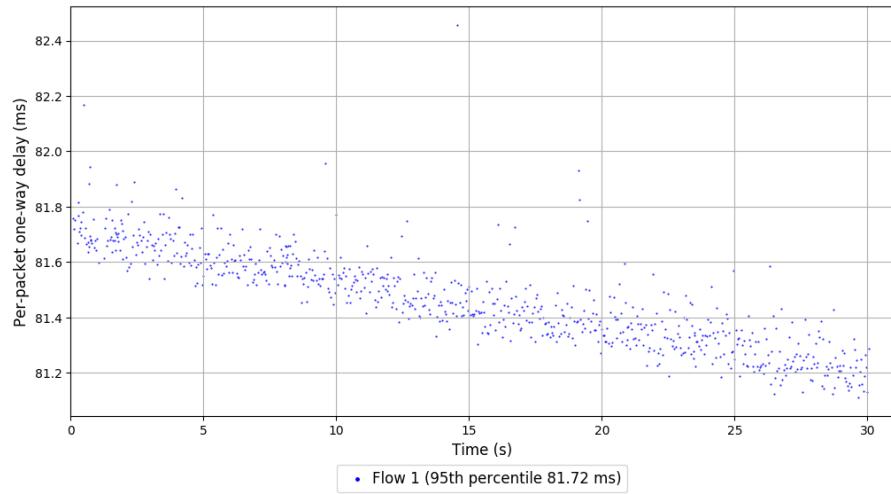
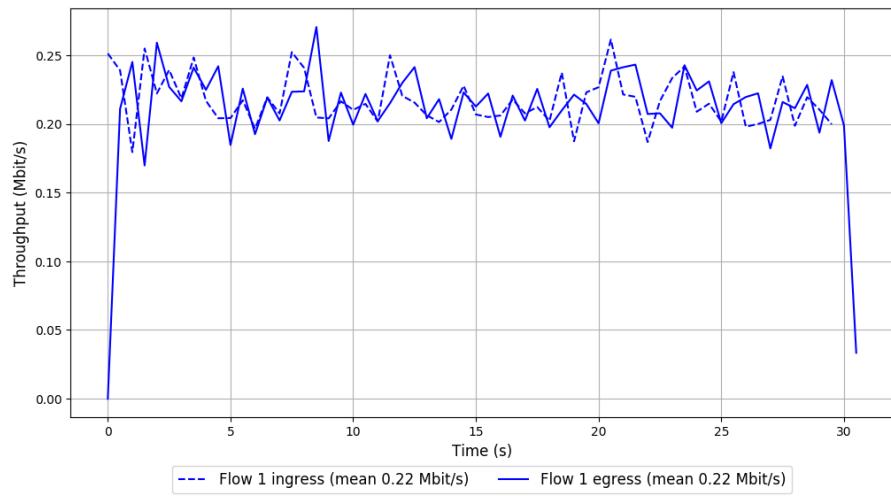


Run 2: Statistics of SCReAM

```
Start at: 2018-05-21 22:08:34
End at: 2018-05-21 22:09:04
Local clock offset: 7.237 ms
Remote clock offset: 7.298 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.723 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

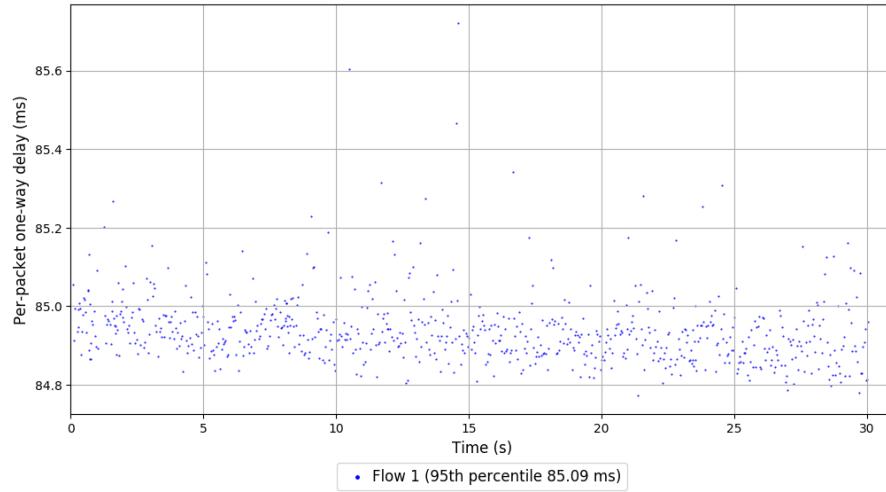
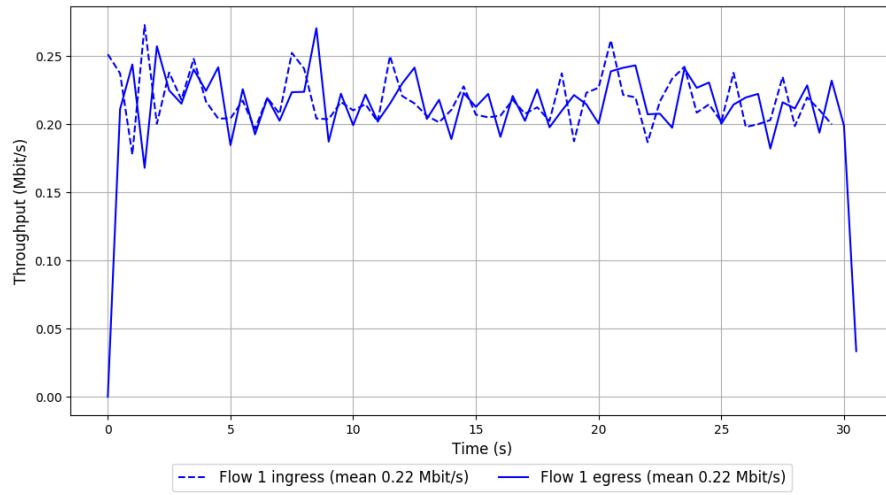


Run 3: Statistics of SCReAM

```
Start at: 2018-05-21 22:27:03
End at: 2018-05-21 22:27:33
Local clock offset: -2.594 ms
Remote clock offset: 3.411 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.091 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

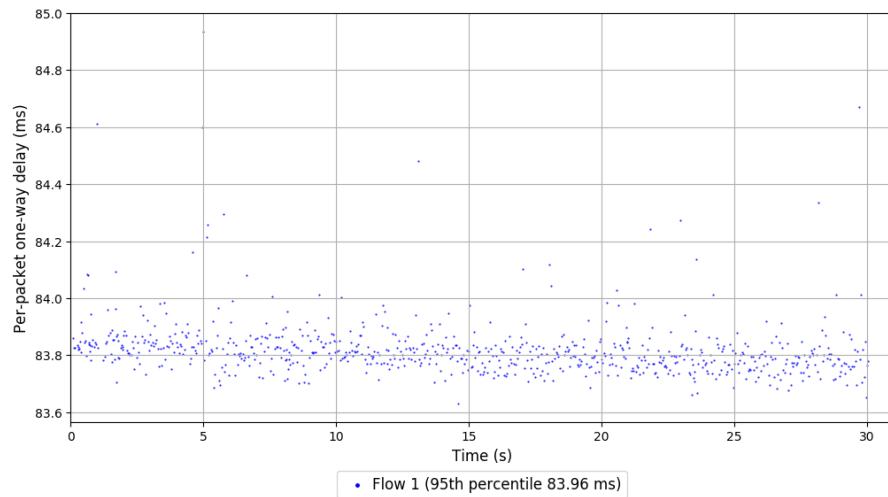
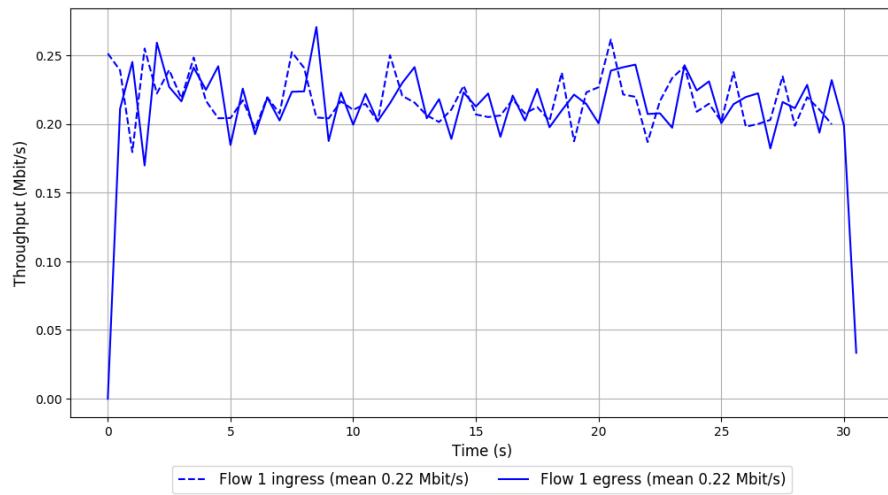


Run 4: Statistics of SCReAM

```
Start at: 2018-05-21 22:45:34
End at: 2018-05-21 22:46:04
Local clock offset: -3.896 ms
Remote clock offset: 8.425 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.964 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

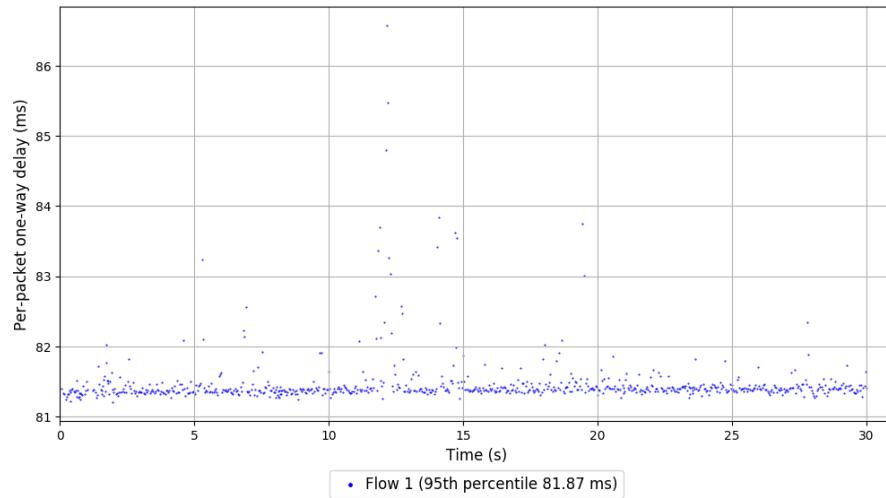
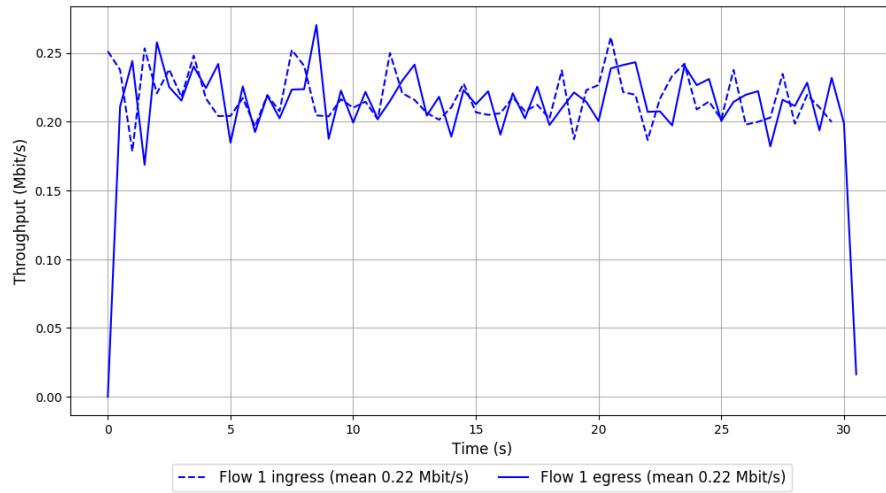


Run 5: Statistics of SCReAM

```
Start at: 2018-05-21 23:04:03
End at: 2018-05-21 23:04:33
Local clock offset: -3.168 ms
Remote clock offset: 4.713 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.867 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.867 ms
Loss rate: 0.13%
```

Run 5: Report of SCReAM — Data Link

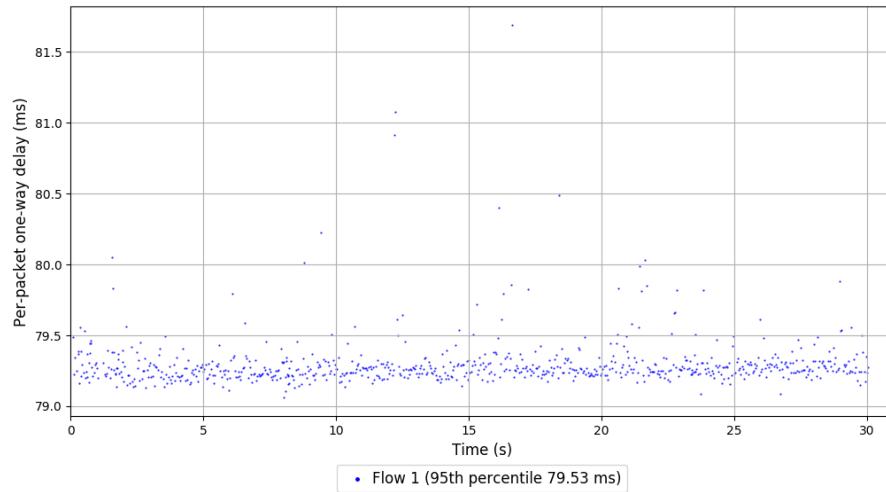
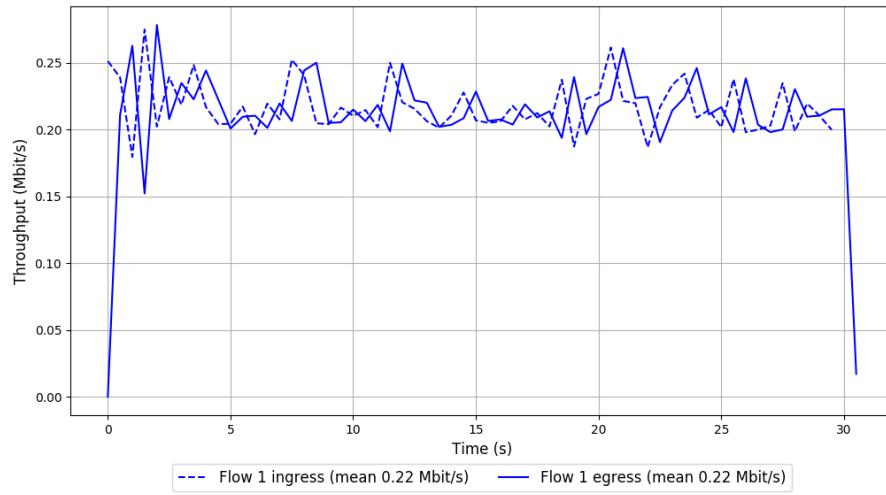


Run 6: Statistics of SCReAM

```
Start at: 2018-05-21 23:22:37
End at: 2018-05-21 23:23:07
Local clock offset: -1.602 ms
Remote clock offset: 4.388 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.528 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

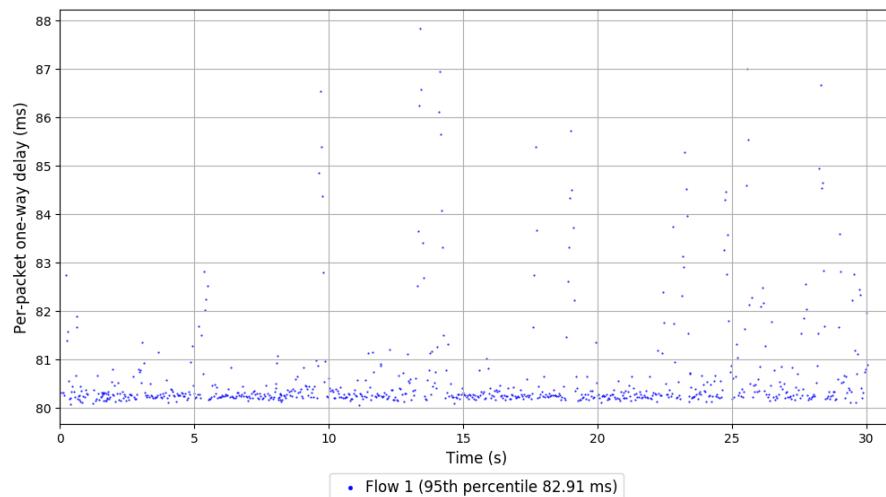
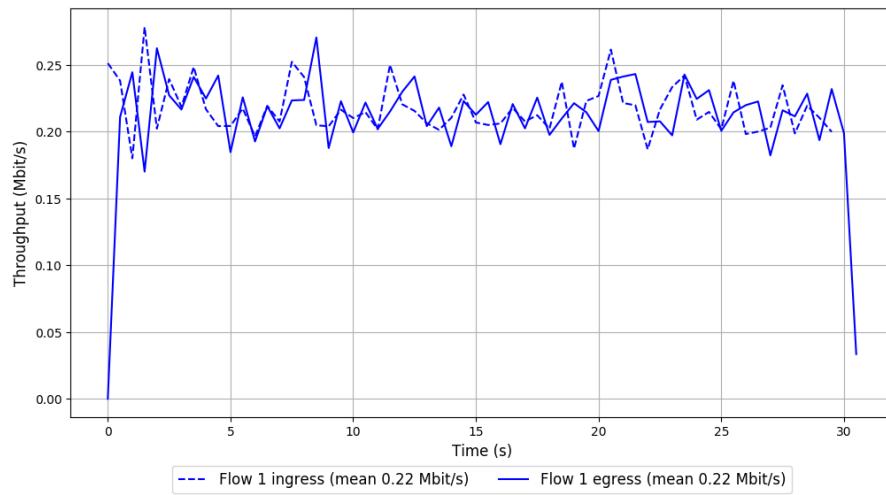


Run 7: Statistics of SCReAM

```
Start at: 2018-05-21 23:41:07
End at: 2018-05-21 23:41:37
Local clock offset: -4.367 ms
Remote clock offset: 3.059 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.912 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

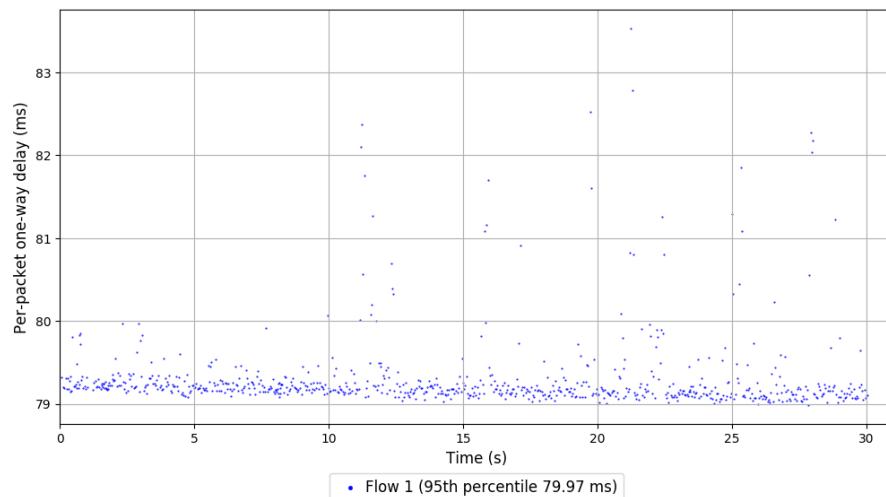
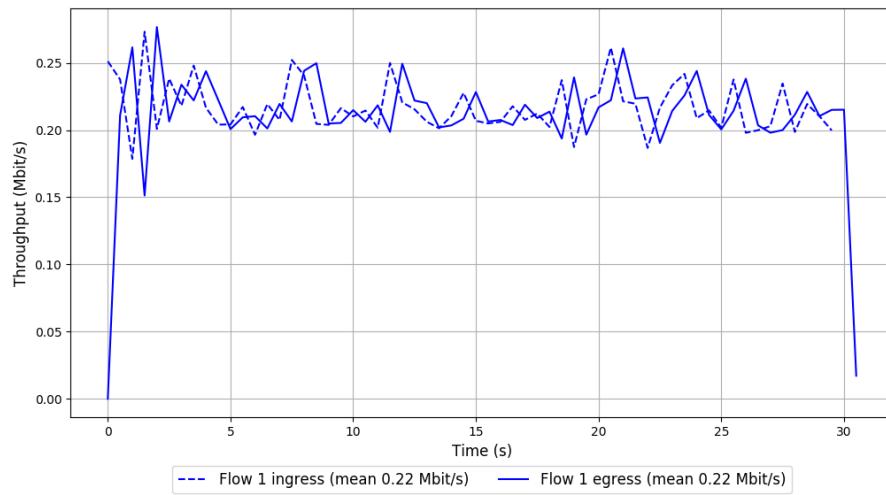


Run 8: Statistics of SCReAM

```
Start at: 2018-05-21 23:59:35
End at: 2018-05-22 00:00:05
Local clock offset: -4.218 ms
Remote clock offset: 3.101 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.974 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

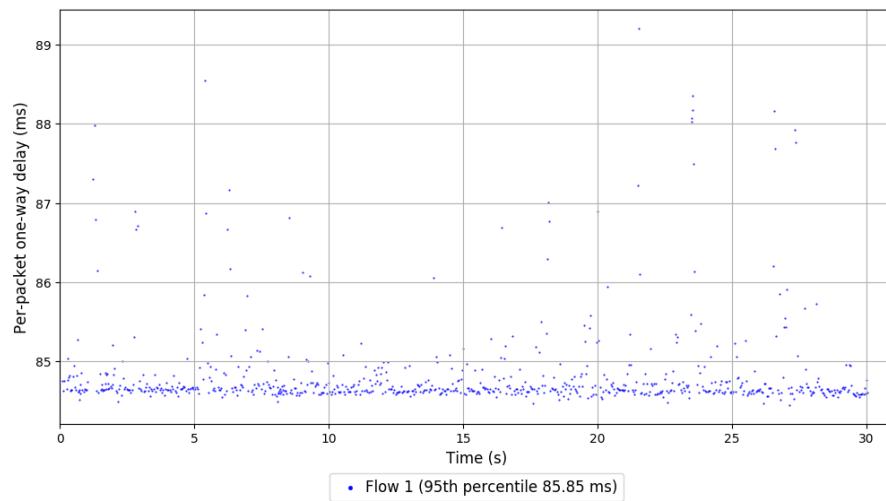
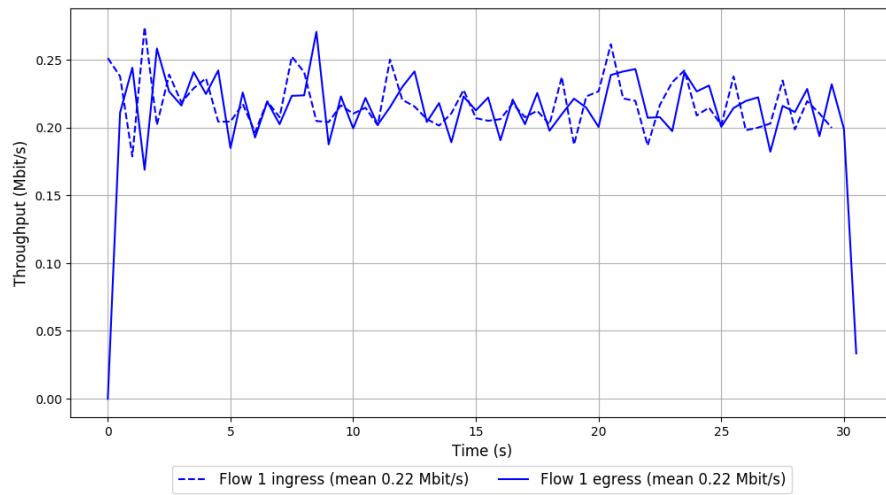


Run 9: Statistics of SCReAM

```
Start at: 2018-05-22 00:18:04
End at: 2018-05-22 00:18:34
Local clock offset: -7.605 ms
Remote clock offset: 7.597 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.846 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

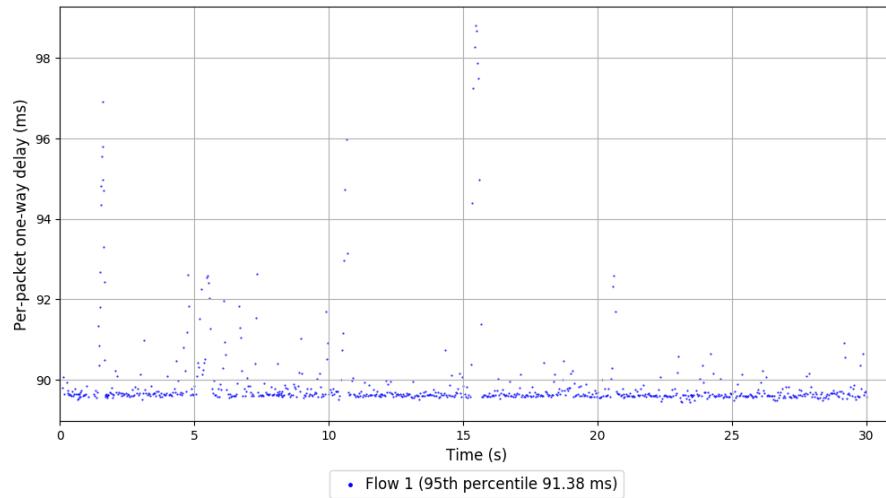
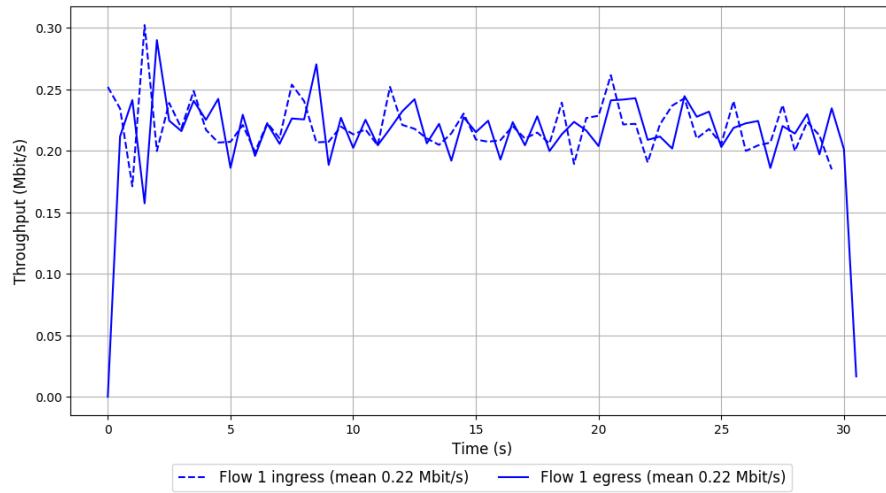


Run 10: Statistics of SCReAM

```
Start at: 2018-05-22 00:36:35
End at: 2018-05-22 00:37:05
Local clock offset: -4.428 ms
Remote clock offset: 13.79 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.379 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

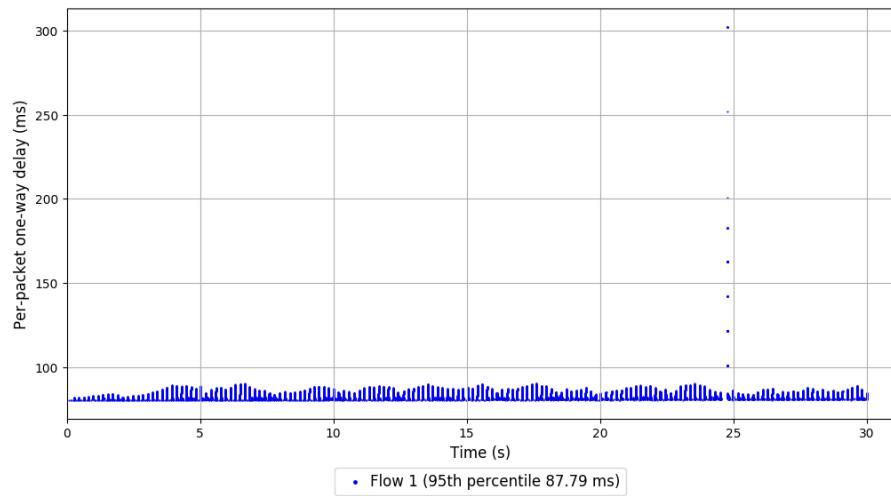
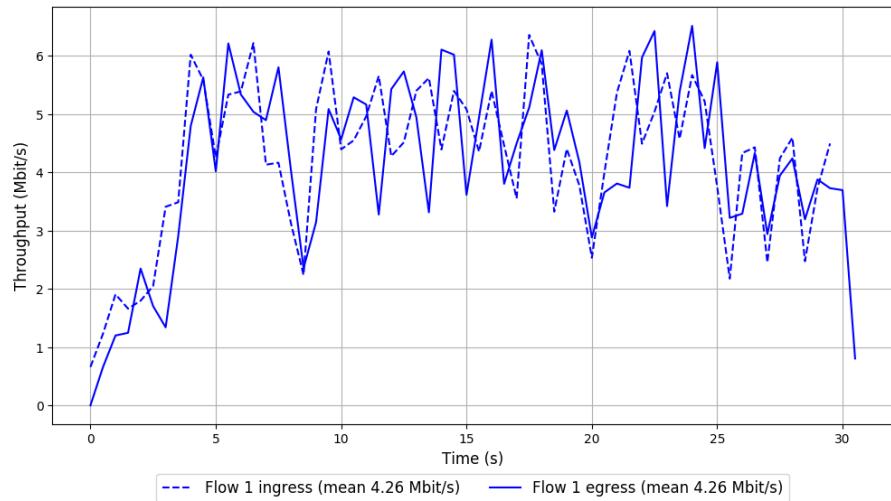


Run 1: Statistics of Sprout

```
Start at: 2018-05-21 21:44:13
End at: 2018-05-21 21:44:43
Local clock offset: 26.195 ms
Remote clock offset: 3.184 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 87.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 87.789 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

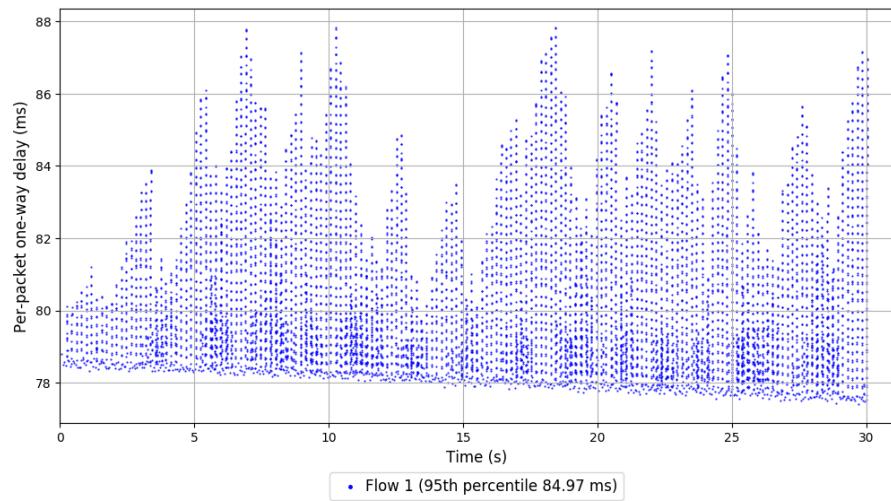
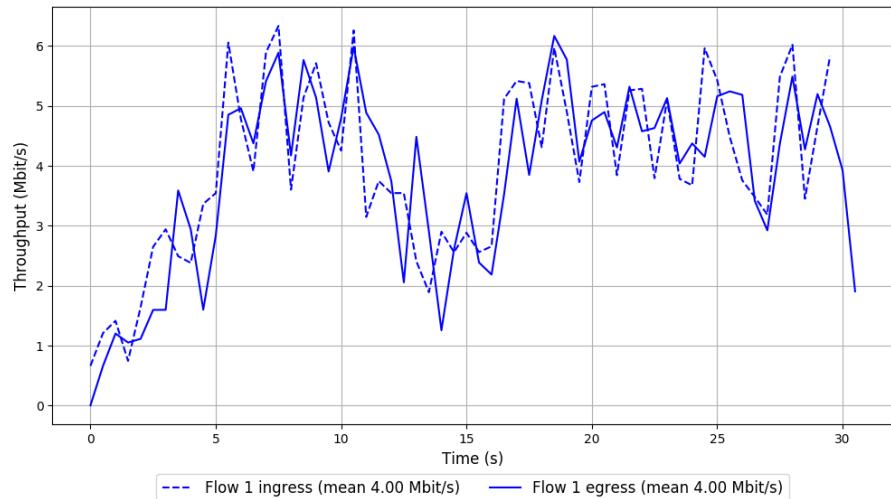


Run 2: Statistics of Sprout

```
Start at: 2018-05-21 22:02:41
End at: 2018-05-21 22:03:11
Local clock offset: 15.6 ms
Remote clock offset: 3.684 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 84.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 84.972 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

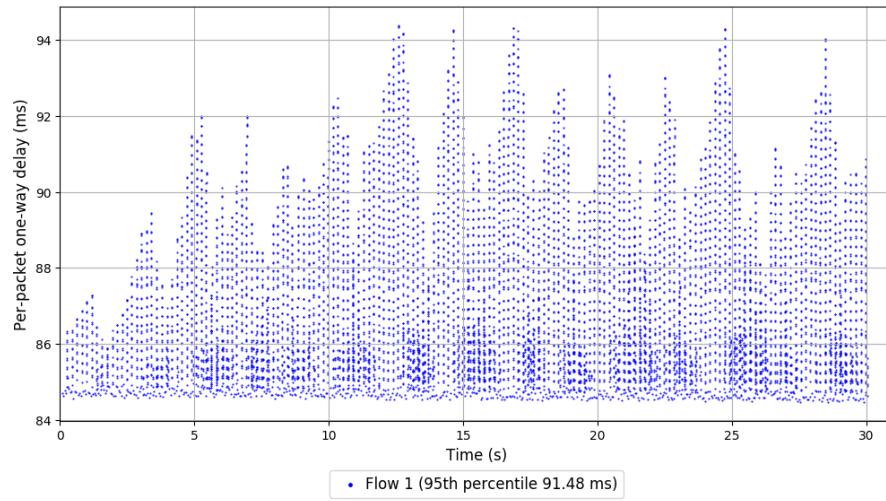
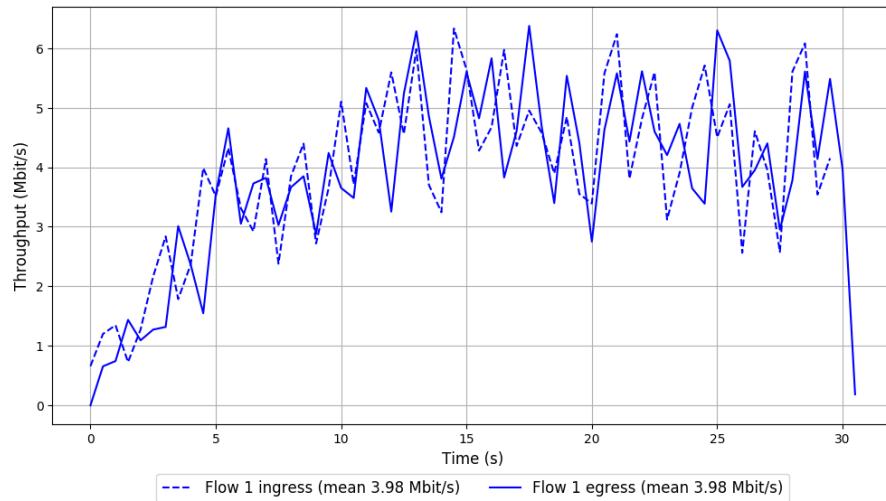


Run 3: Statistics of Sprout

```
Start at: 2018-05-21 22:21:10
End at: 2018-05-21 22:21:40
Local clock offset: -0.488 ms
Remote clock offset: 8.154 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 91.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 91.483 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

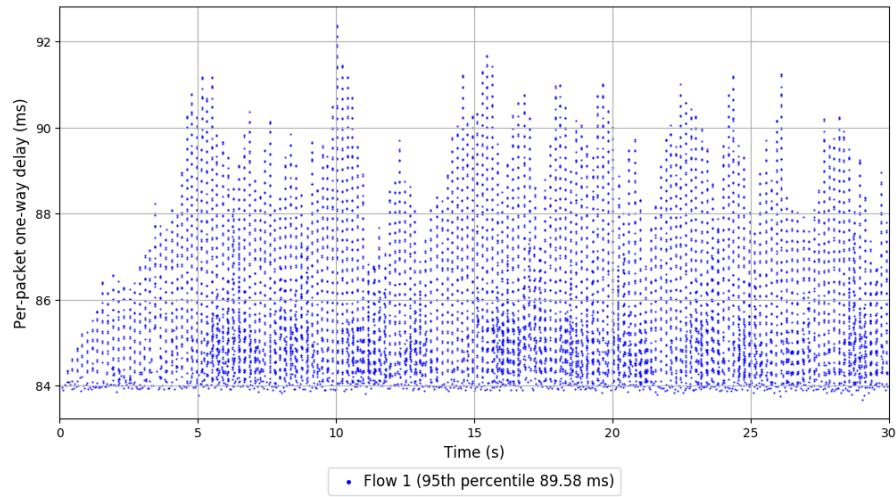
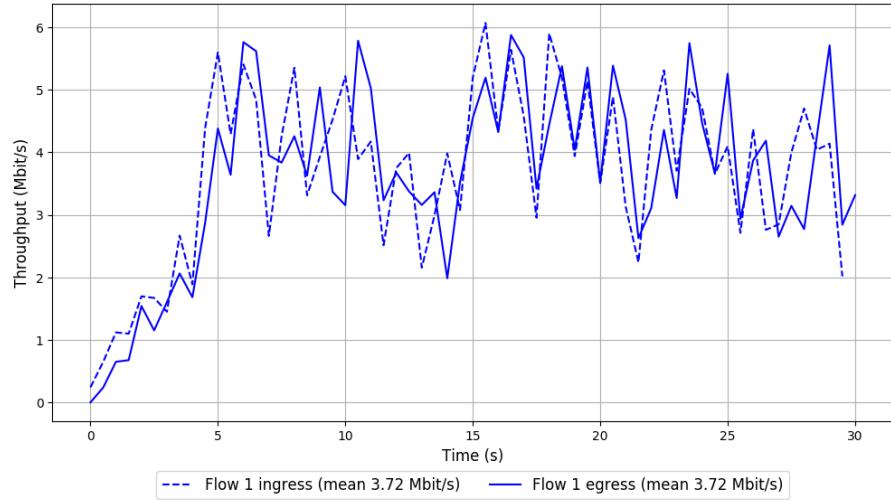


Run 4: Statistics of Sprout

```
Start at: 2018-05-21 22:39:40
End at: 2018-05-21 22:40:10
Local clock offset: -2.764 ms
Remote clock offset: 3.182 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 89.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 89.581 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

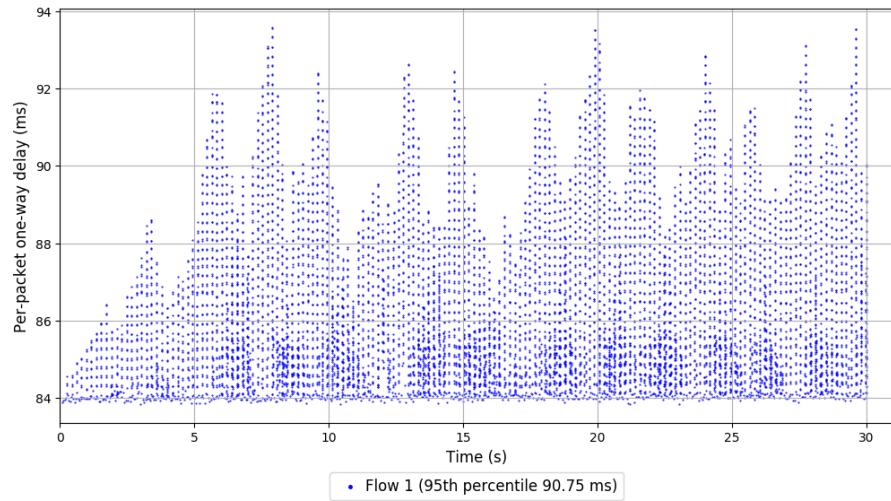
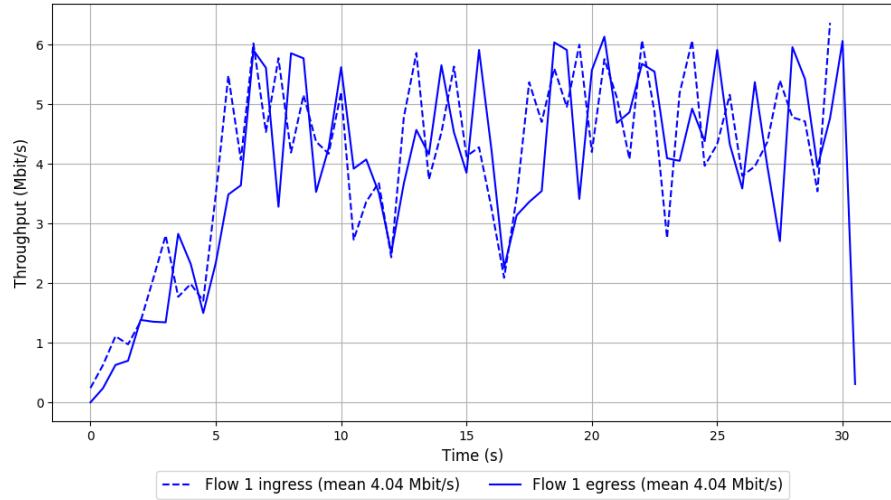


Run 5: Statistics of Sprout

```
Start at: 2018-05-21 22:58:10
End at: 2018-05-21 22:58:40
Local clock offset: -3.348 ms
Remote clock offset: 8.525 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 90.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 90.747 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

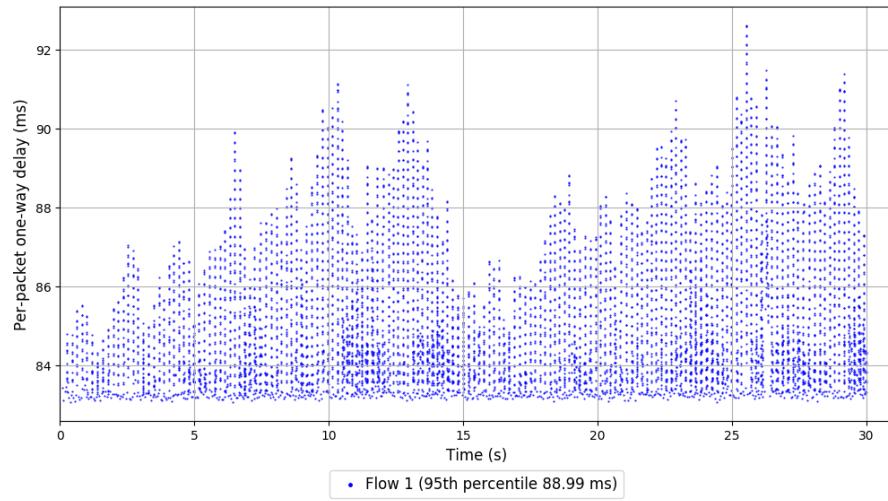
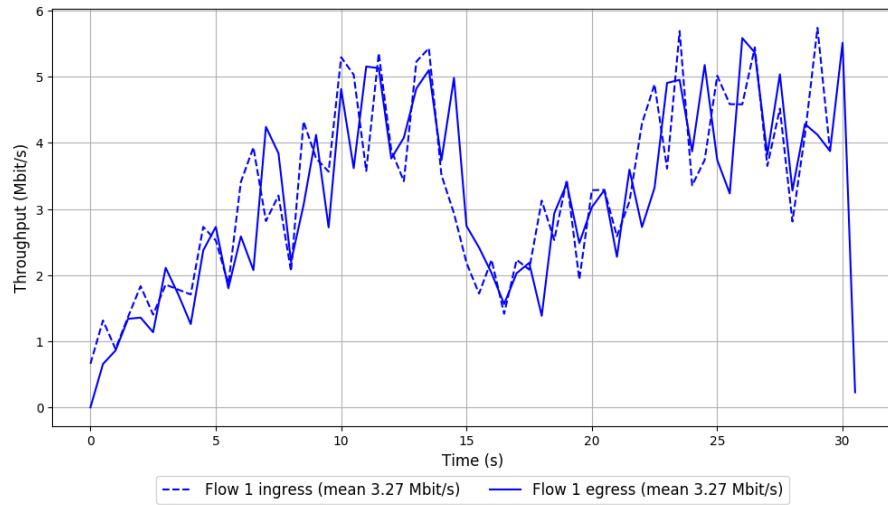


Run 6: Statistics of Sprout

```
Start at: 2018-05-21 23:16:45
End at: 2018-05-21 23:17:15
Local clock offset: -1.651 ms
Remote clock offset: 3.904 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 88.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 88.994 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

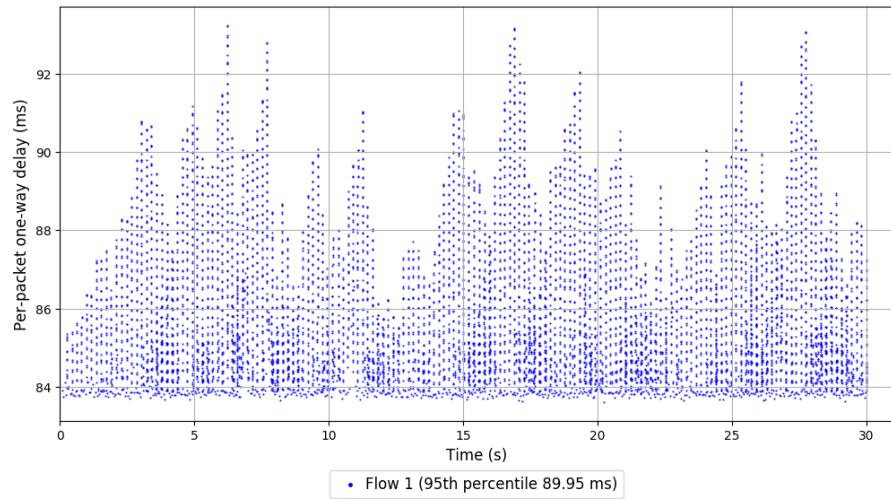
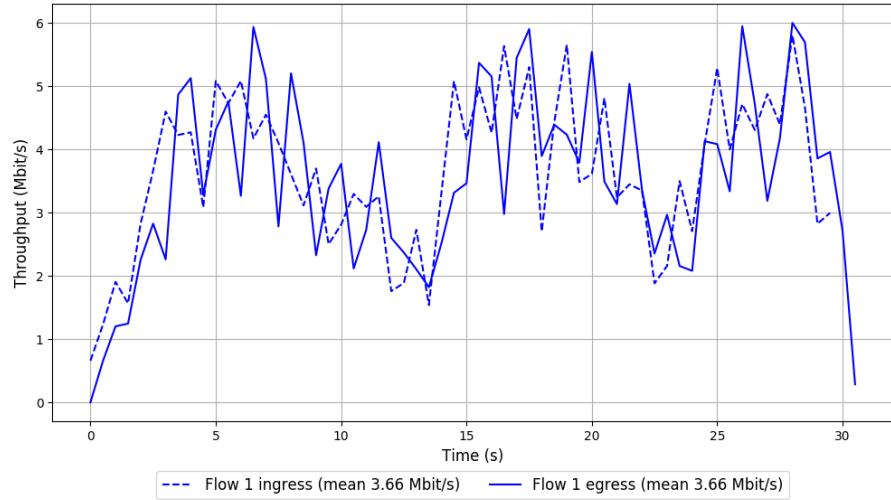


Run 7: Statistics of Sprout

```
Start at: 2018-05-21 23:35:13
End at: 2018-05-21 23:35:43
Local clock offset: -2.447 ms
Remote clock offset: 7.808 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 89.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 89.947 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

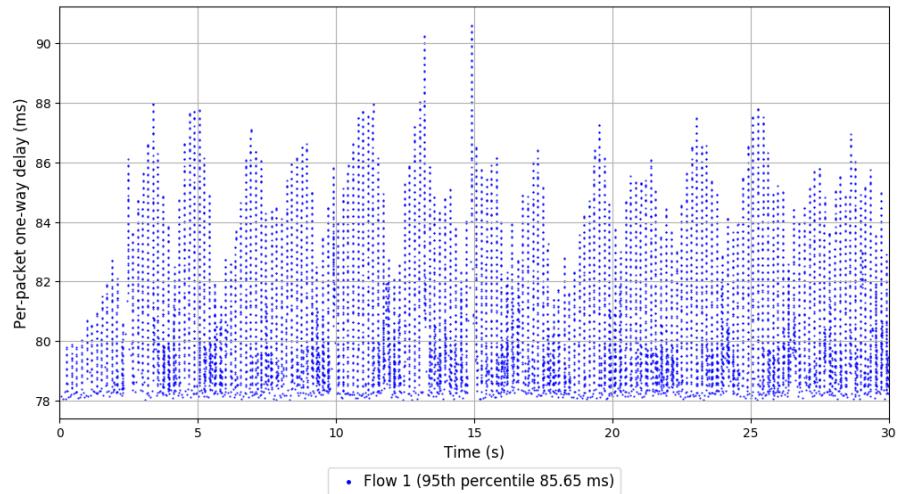
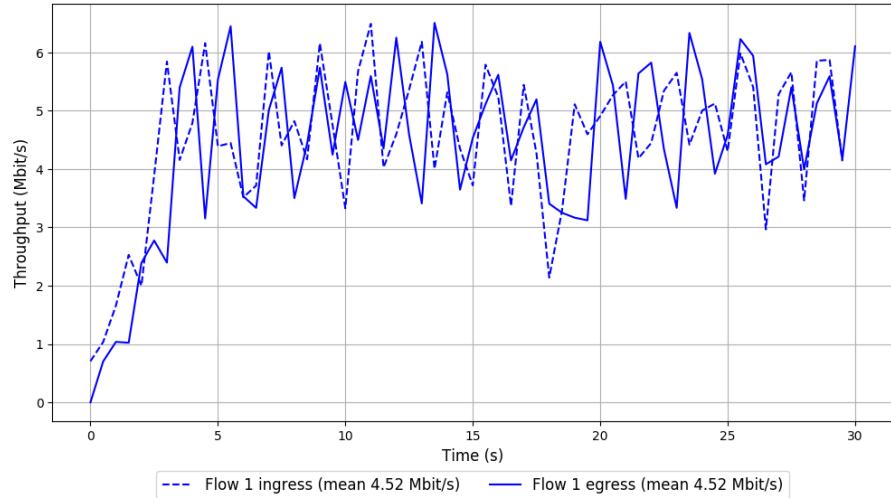


Run 8: Statistics of Sprout

```
Start at: 2018-05-21 23:53:43
End at: 2018-05-21 23:54:13
Local clock offset: -4.107 ms
Remote clock offset: 3.027 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 85.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 85.646 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

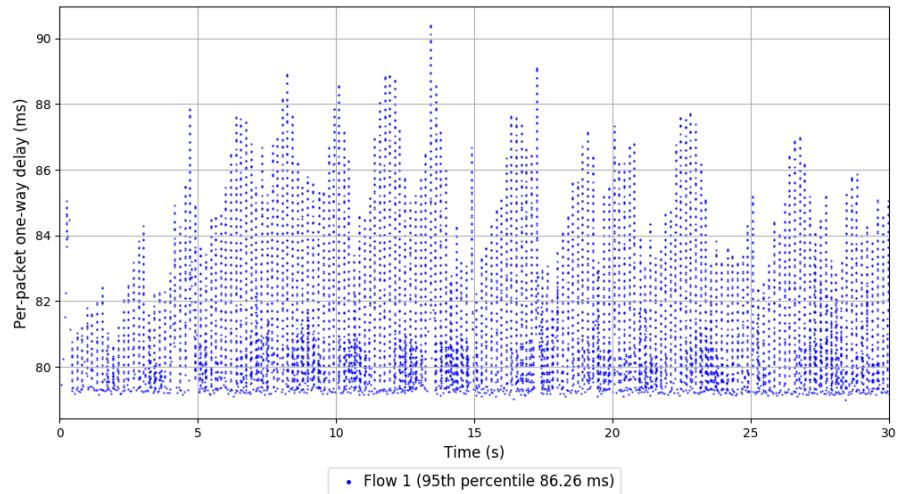
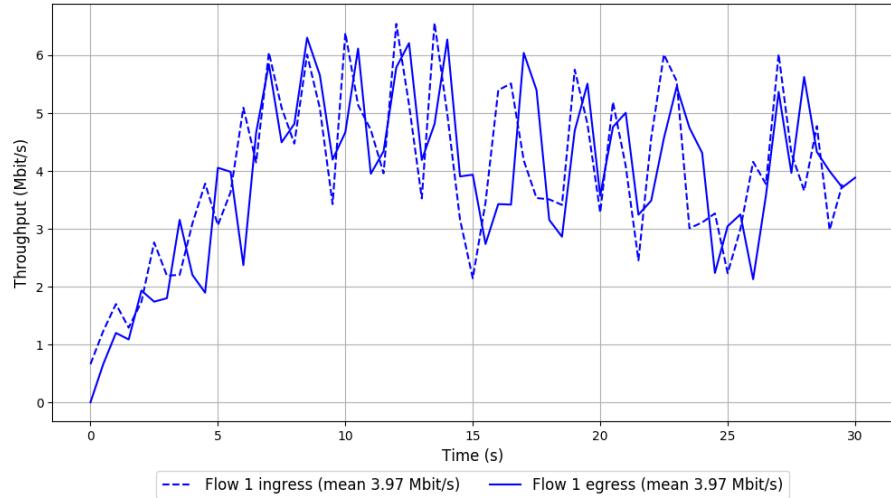


Run 9: Statistics of Sprout

```
Start at: 2018-05-22 00:12:11
End at: 2018-05-22 00:12:41
Local clock offset: -7.014 ms
Remote clock offset: 3.927 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

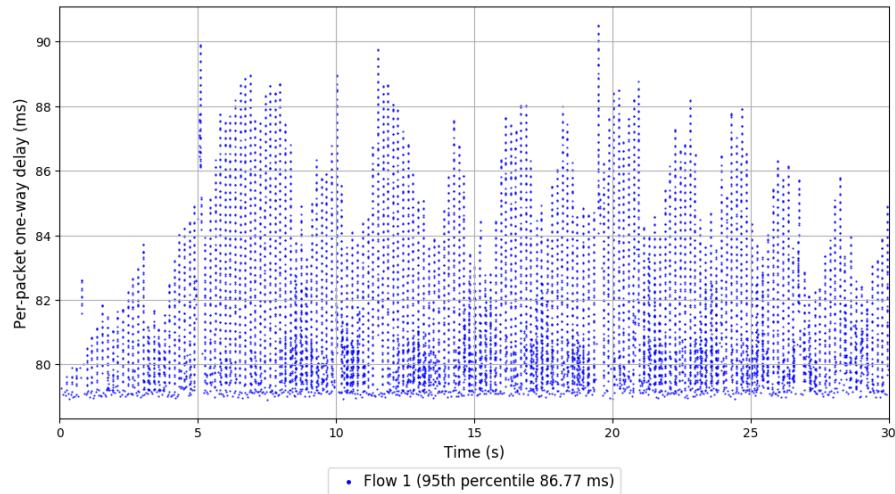
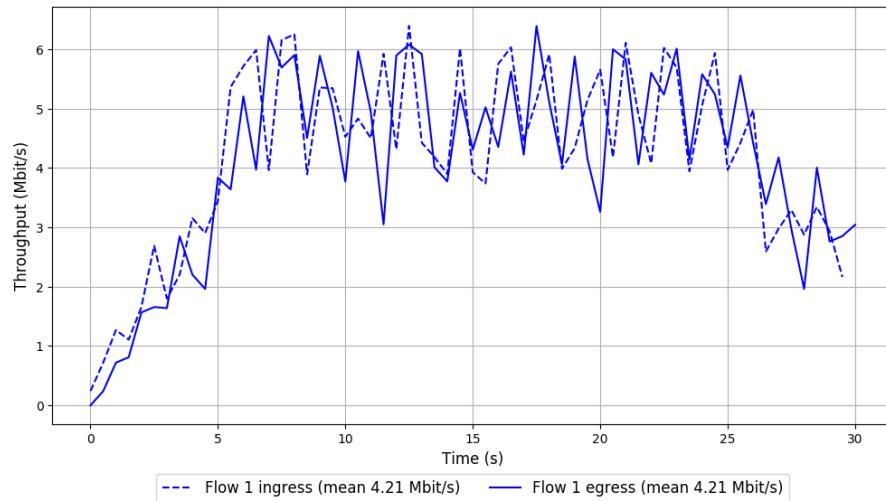


Run 10: Statistics of Sprout

```
Start at: 2018-05-22 00:30:41
End at: 2018-05-22 00:31:11
Local clock offset: -6.162 ms
Remote clock offset: 8.951 ms

# Below is generated by plot.py at 2018-05-22 00:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 86.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 86.773 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

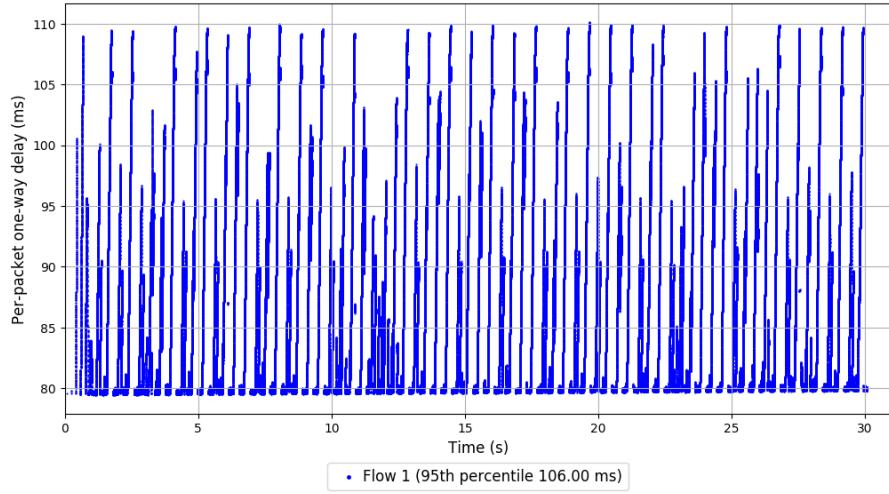
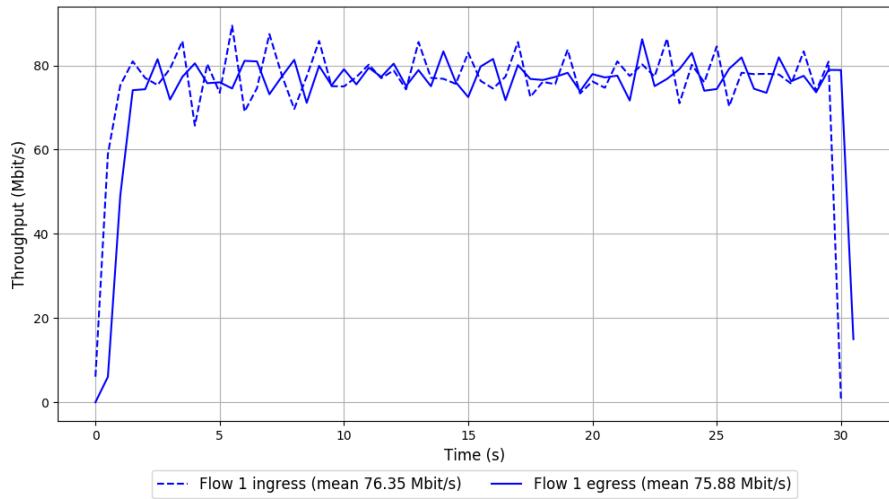


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-21 21:48:52
End at: 2018-05-21 21:49:22
Local clock offset: 29.982 ms
Remote clock offset: 3.031 ms

# Below is generated by plot.py at 2018-05-22 00:58:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.88 Mbit/s
95th percentile per-packet one-way delay: 106.005 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 75.88 Mbit/s
95th percentile per-packet one-way delay: 106.005 ms
Loss rate: 0.61%
```

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

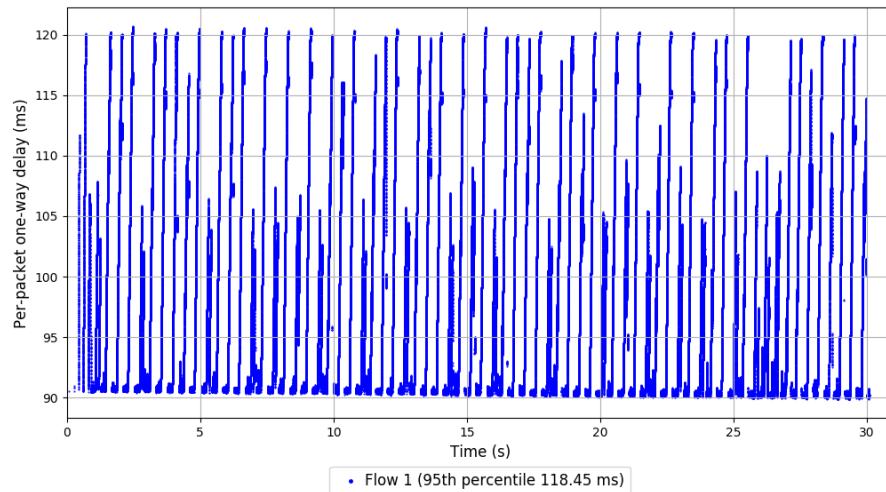
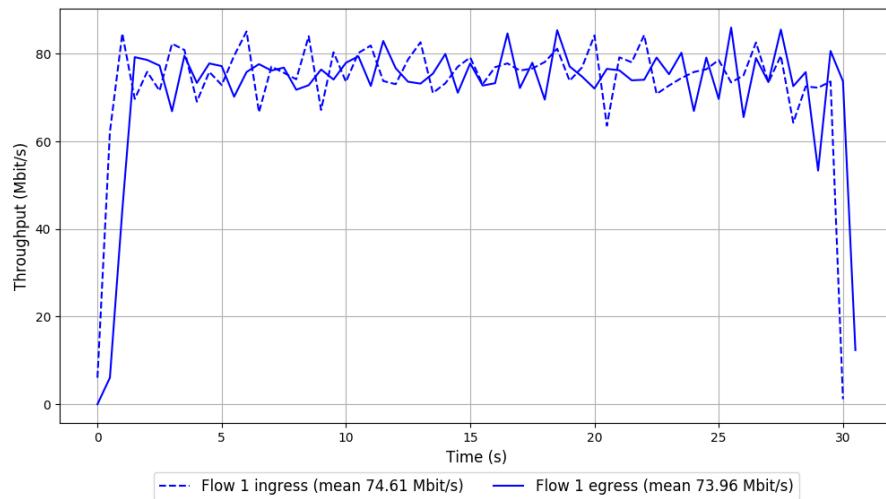


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-21 22:07:21
End at: 2018-05-21 22:07:51
Local clock offset: 7.062 ms
Remote clock offset: 7.364 ms

# Below is generated by plot.py at 2018-05-22 00:58:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.96 Mbit/s
95th percentile per-packet one-way delay: 118.453 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 73.96 Mbit/s
95th percentile per-packet one-way delay: 118.453 ms
Loss rate: 0.89%
```

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

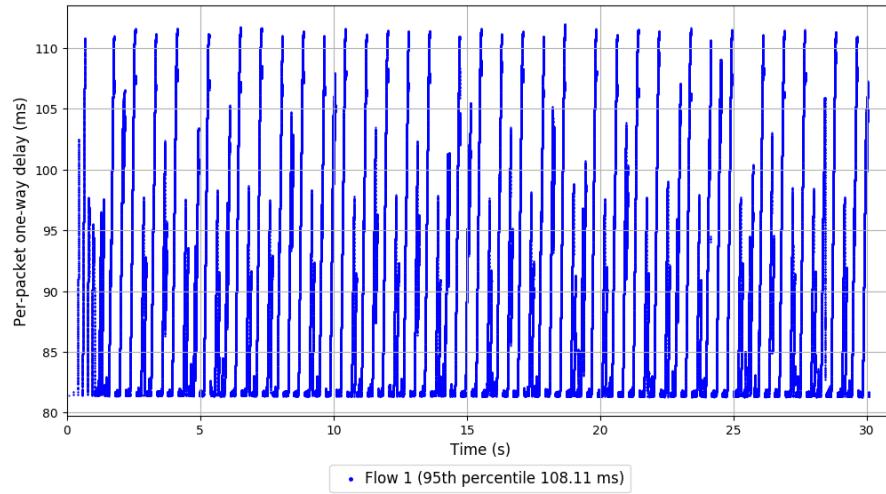
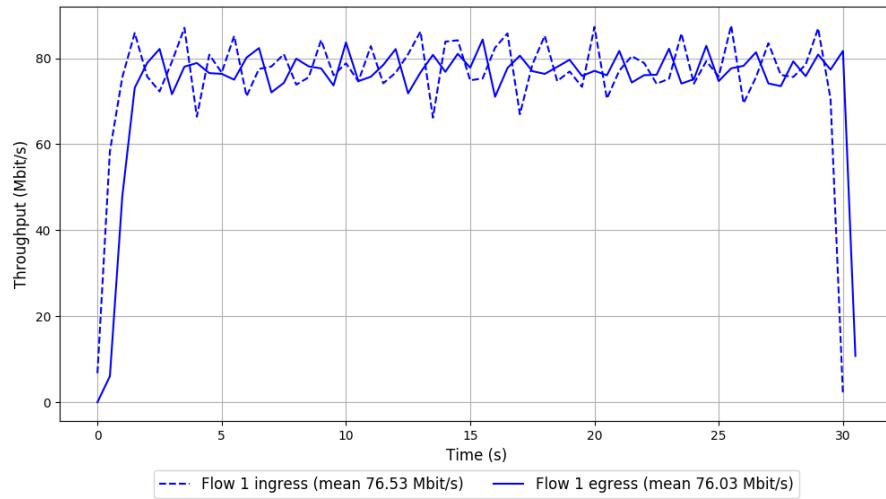


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-21 22:25:51
End at: 2018-05-21 22:26:21
Local clock offset: -3.165 ms
Remote clock offset: 3.3 ms

# Below is generated by plot.py at 2018-05-22 00:58:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.03 Mbit/s
95th percentile per-packet one-way delay: 108.113 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 76.03 Mbit/s
95th percentile per-packet one-way delay: 108.113 ms
Loss rate: 0.65%
```

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

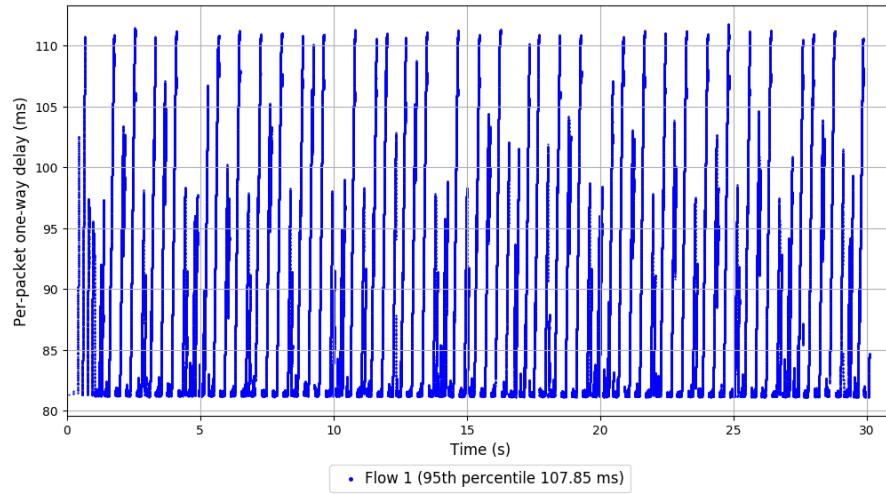
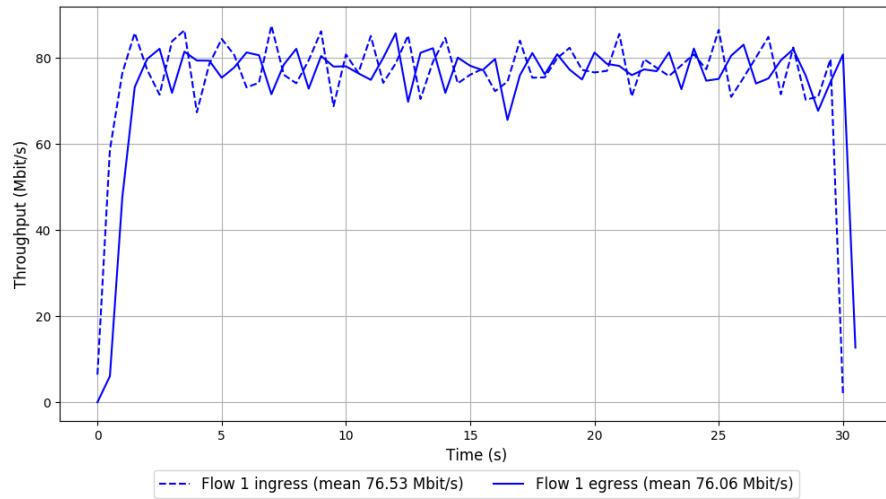


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-21 22:44:21
End at: 2018-05-21 22:44:51
Local clock offset: -3.856 ms
Remote clock offset: 3.683 ms

# Below is generated by plot.py at 2018-05-22 00:58:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.06 Mbit/s
95th percentile per-packet one-way delay: 107.849 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 76.06 Mbit/s
95th percentile per-packet one-way delay: 107.849 ms
Loss rate: 0.62%
```

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

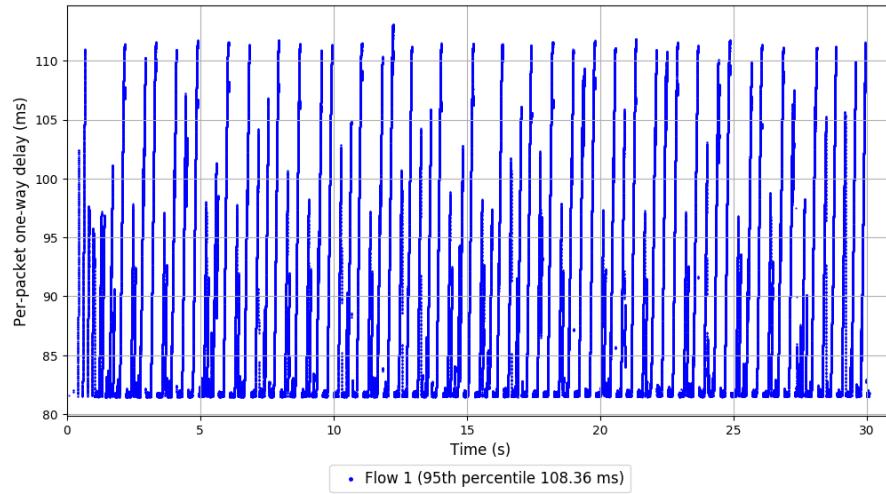
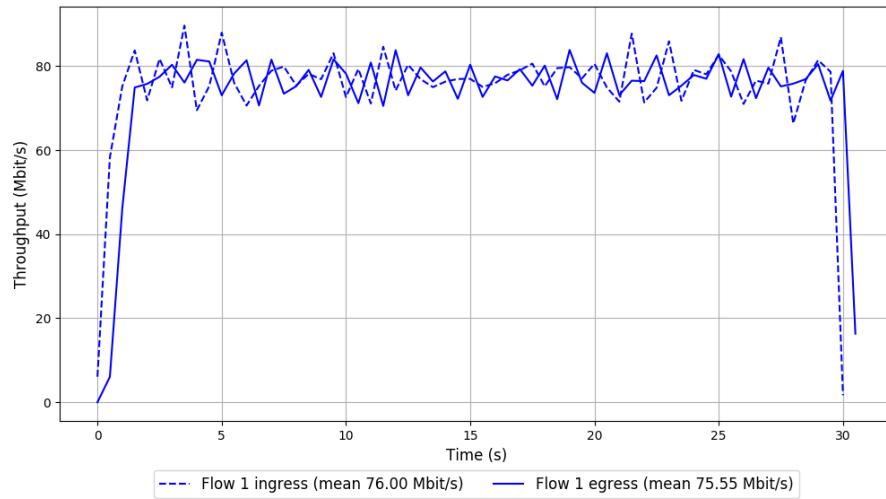


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:02:51
End at: 2018-05-21 23:03:21
Local clock offset: -4.032 ms
Remote clock offset: 4.66 ms

# Below is generated by plot.py at 2018-05-22 00:59:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 108.358 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 108.358 ms
Loss rate: 0.59%
```

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

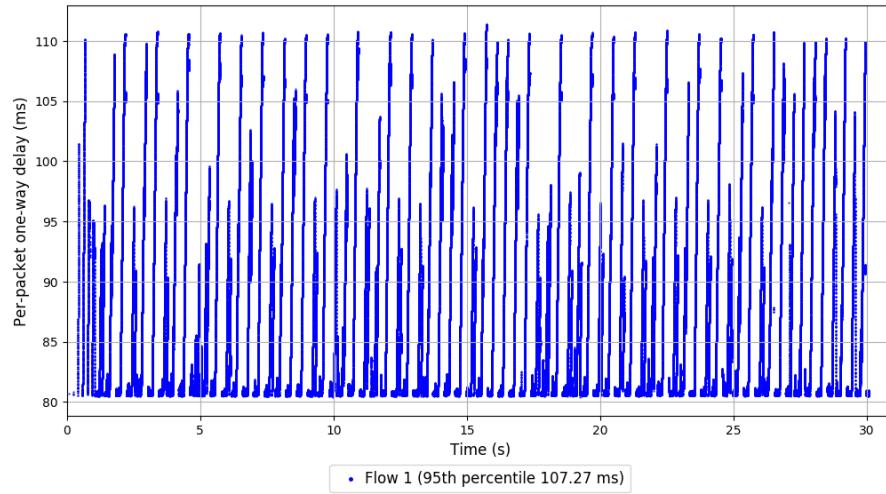
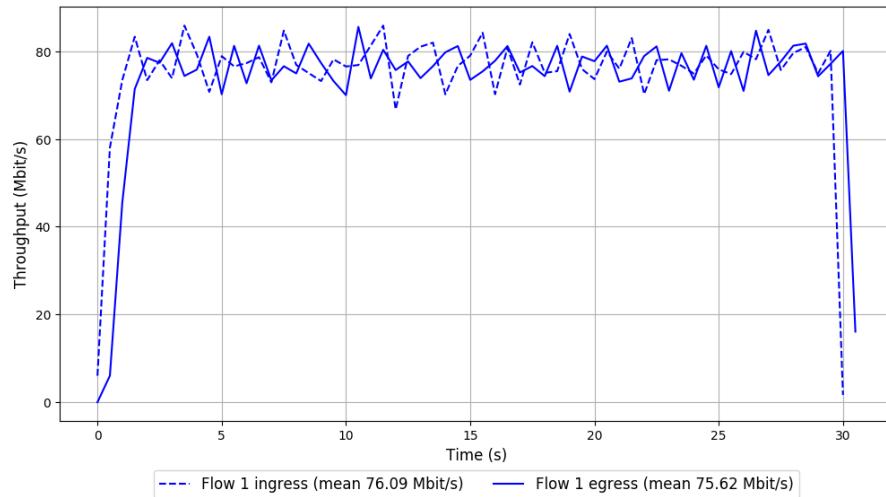


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:21:24
End at: 2018-05-21 23:21:54
Local clock offset: -2.383 ms
Remote clock offset: 3.525 ms

# Below is generated by plot.py at 2018-05-22 00:59:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.62 Mbit/s
95th percentile per-packet one-way delay: 107.273 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 75.62 Mbit/s
95th percentile per-packet one-way delay: 107.273 ms
Loss rate: 0.61%
```

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

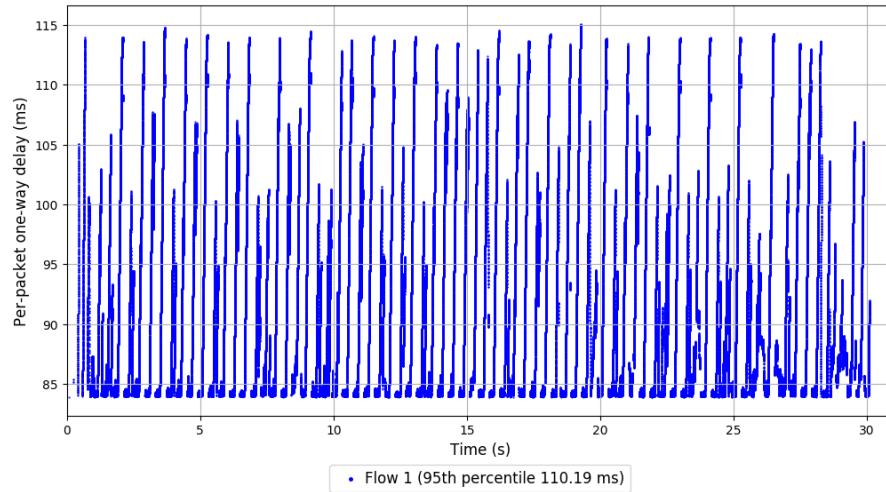
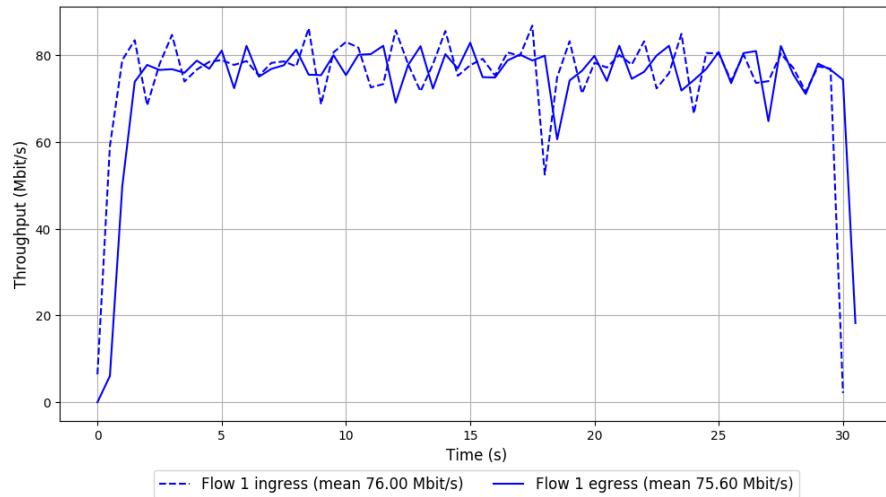


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:39:54
End at: 2018-05-21 23:40:24
Local clock offset: -2.7 ms
Remote clock offset: 7.742 ms

# Below is generated by plot.py at 2018-05-22 00:59:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 110.193 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 110.193 ms
Loss rate: 0.50%
```

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

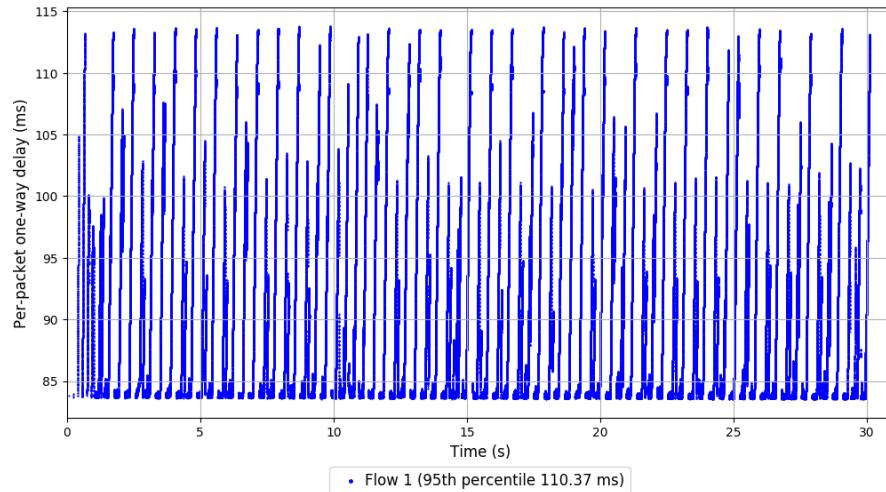
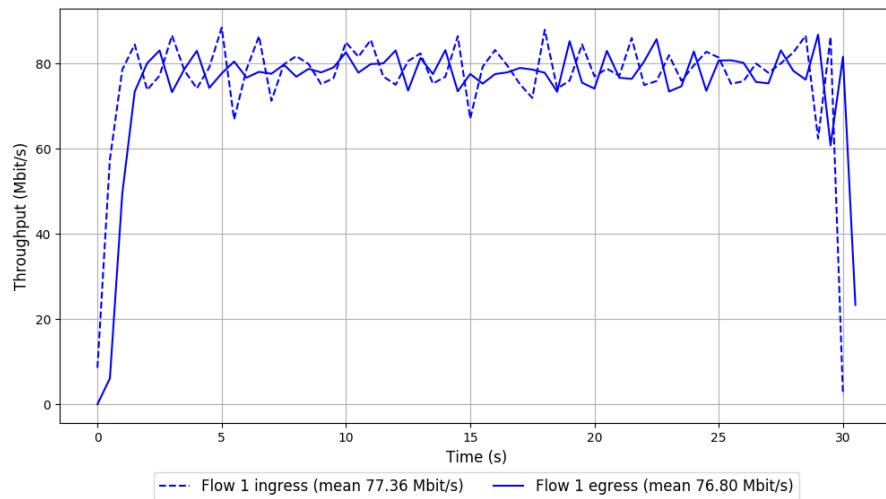


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:58:22
End at: 2018-05-21 23:58:52
Local clock offset: -5.48 ms
Remote clock offset: 7.822 ms

# Below is generated by plot.py at 2018-05-22 00:59:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 110.369 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 110.369 ms
Loss rate: 0.63%
```

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

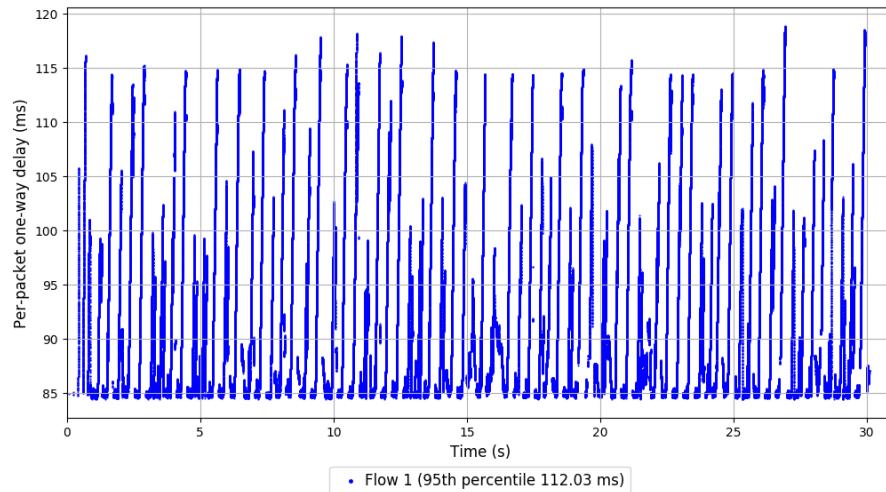
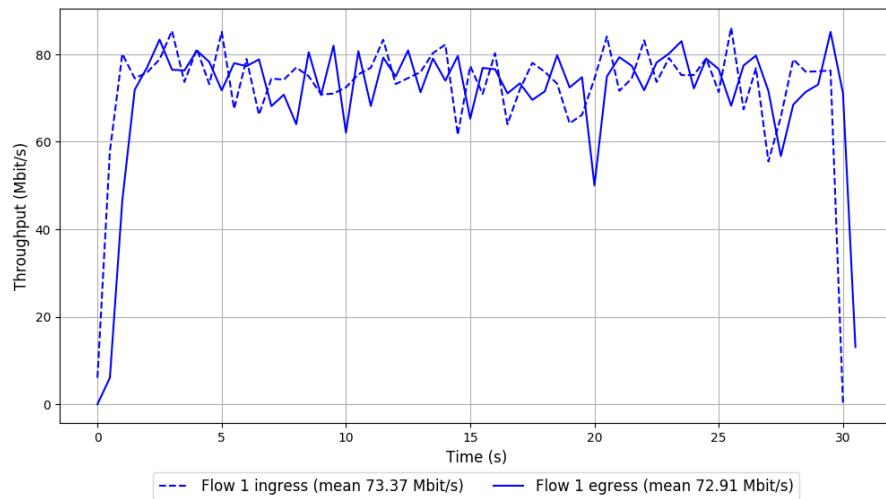


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-22 00:16:51
End at: 2018-05-22 00:17:21
Local clock offset: -8.308 ms
Remote clock offset: 3.019 ms

# Below is generated by plot.py at 2018-05-22 01:00:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.91 Mbit/s
95th percentile per-packet one-way delay: 112.030 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 72.91 Mbit/s
95th percentile per-packet one-way delay: 112.030 ms
Loss rate: 0.61%
```

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

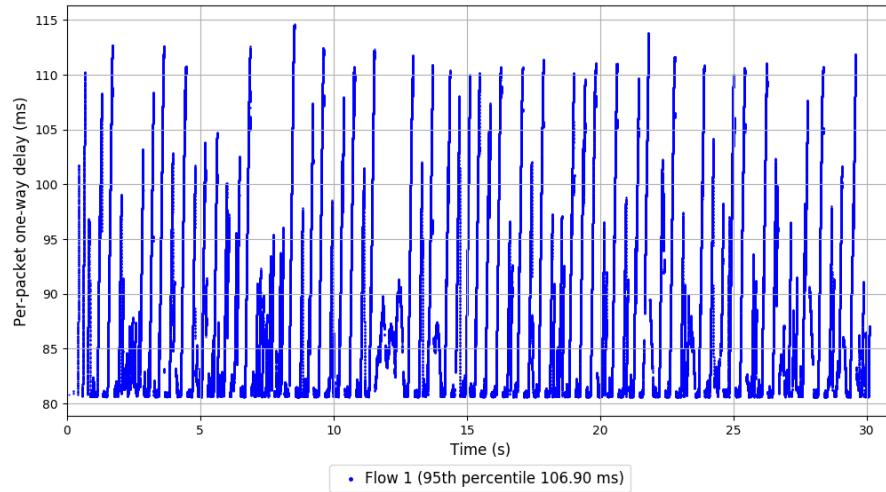
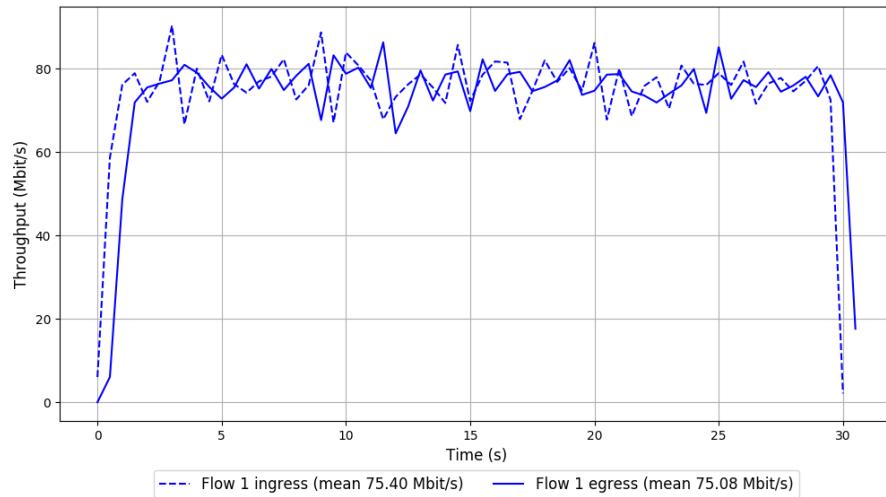


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-22 00:35:22
End at: 2018-05-22 00:35:52
Local clock offset: -4.669 ms
Remote clock offset: 9.91 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 106.896 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 106.896 ms
Loss rate: 0.40%
```

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

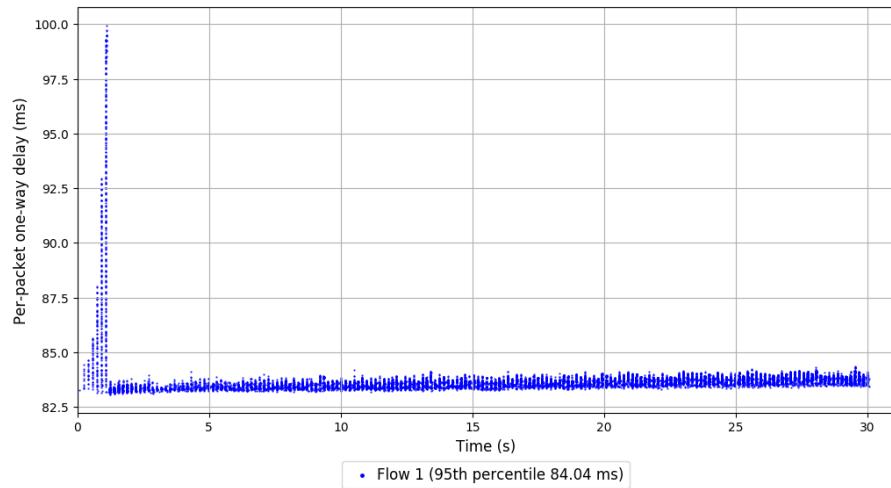
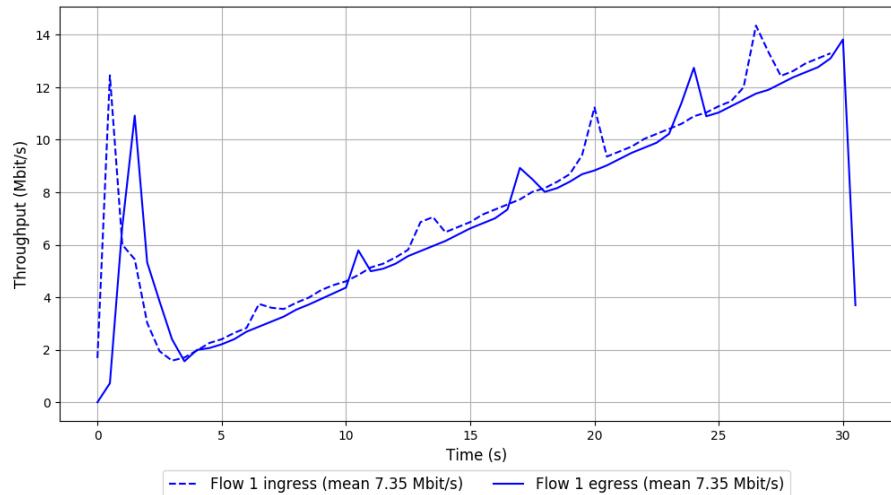


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-21 21:46:33
End at: 2018-05-21 21:47:03
Local clock offset: 27.709 ms
Remote clock offset: 7.613 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 84.041 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 84.041 ms
Loss rate: 0.04%
```

Run 1: Report of TCP Vegas — Data Link

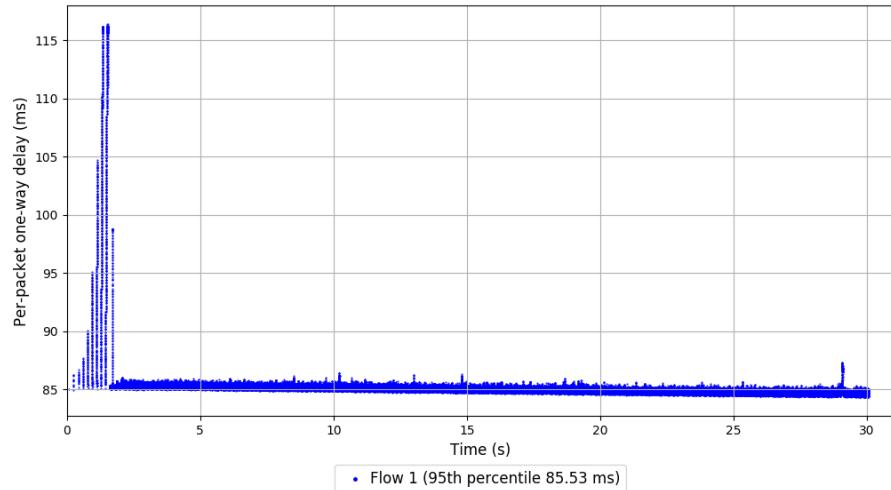
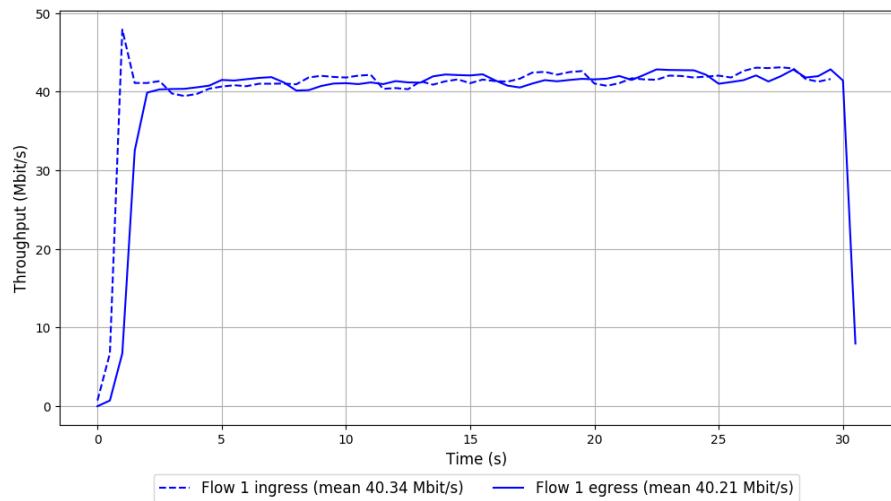


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-21 22:05:00
End at: 2018-05-21 22:05:30
Local clock offset: 12.151 ms
Remote clock offset: 3.574 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 85.535 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 85.535 ms
Loss rate: 0.35%
```

Run 2: Report of TCP Vegas — Data Link

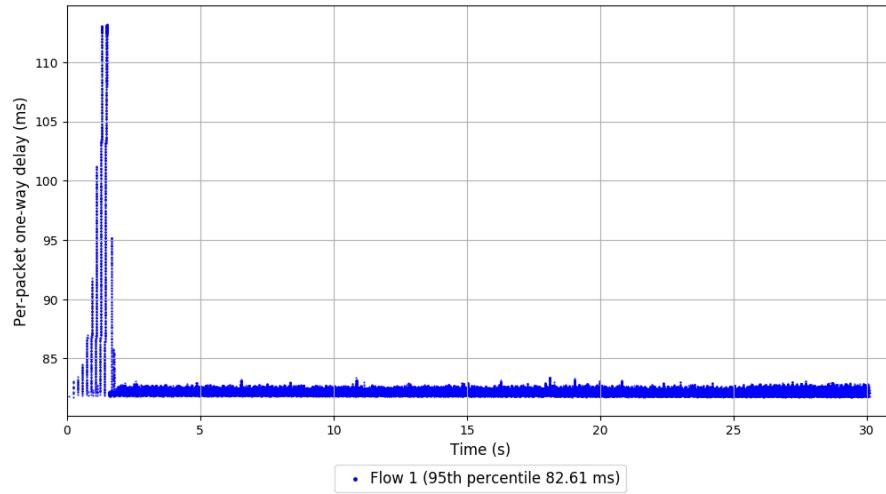
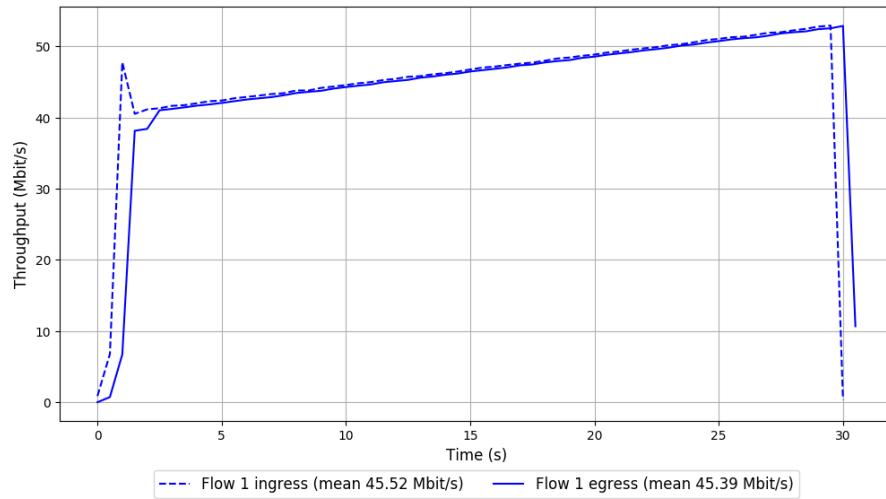


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-21 22:23:30
End at: 2018-05-21 22:24:00
Local clock offset: -1.846 ms
Remote clock offset: 3.427 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 82.607 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 82.607 ms
Loss rate: 0.27%
```

Run 3: Report of TCP Vegas — Data Link

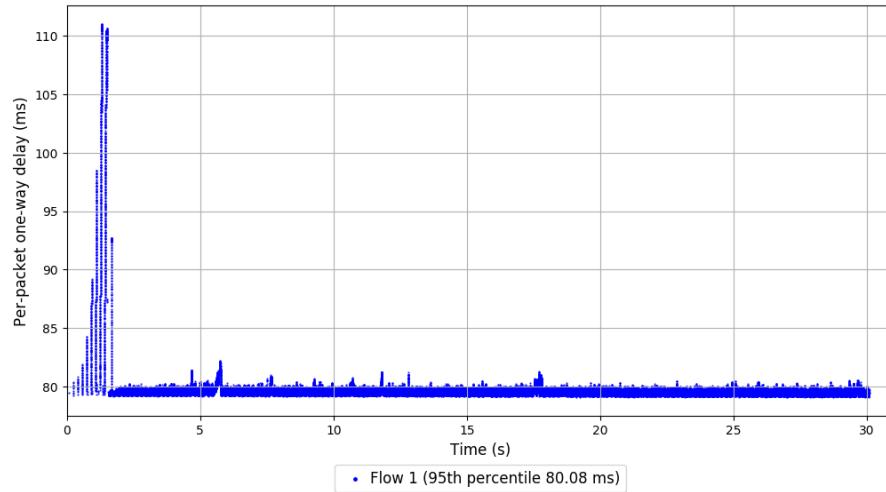
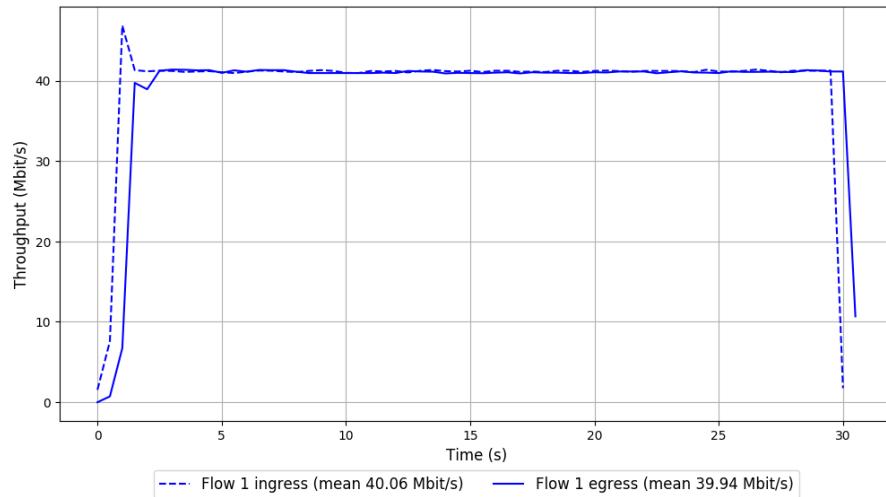


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-21 22:42:00
End at: 2018-05-21 22:42:30
Local clock offset: -2.919 ms
Remote clock offset: 2.693 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 80.075 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 80.075 ms
Loss rate: 0.30%
```

Run 4: Report of TCP Vegas — Data Link

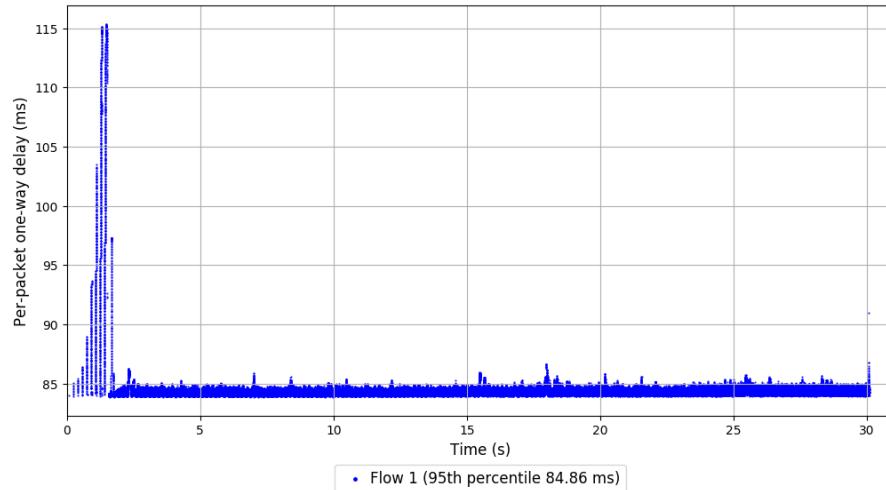
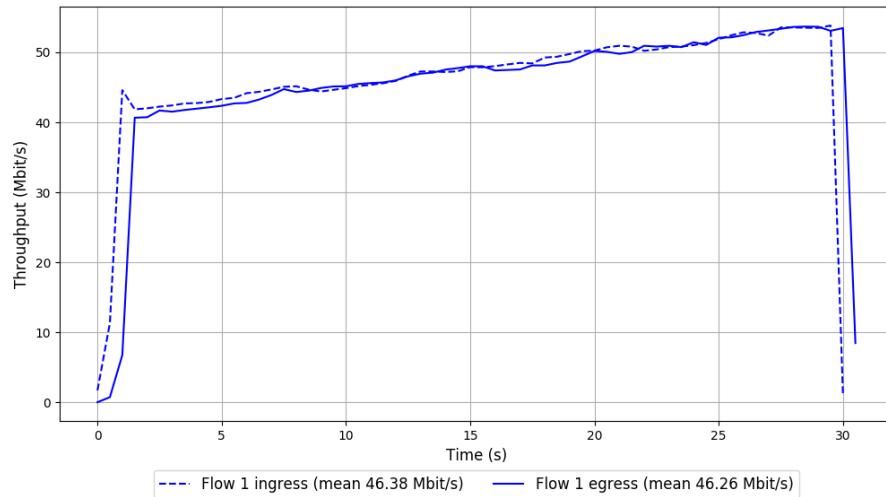


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:00:29
End at: 2018-05-21 23:00:59
Local clock offset: -3.658 ms
Remote clock offset: 7.645 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.26 Mbit/s
95th percentile per-packet one-way delay: 84.865 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 46.26 Mbit/s
95th percentile per-packet one-way delay: 84.865 ms
Loss rate: 0.27%
```

Run 5: Report of TCP Vegas — Data Link

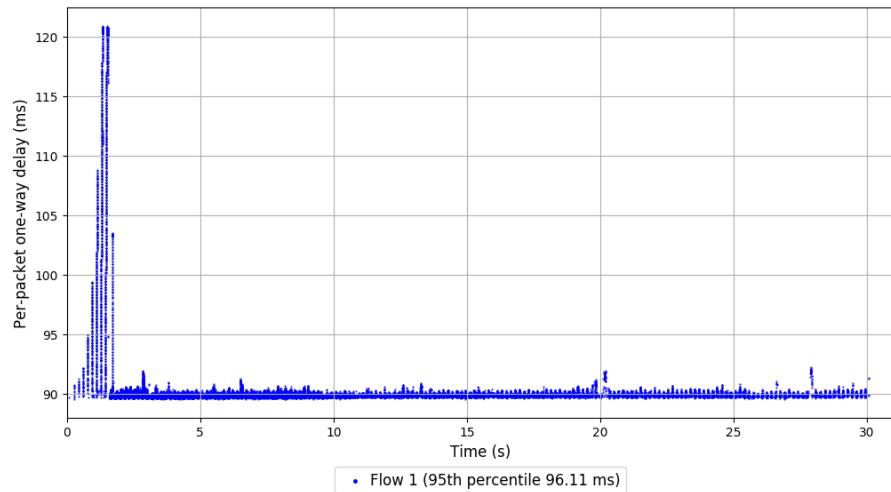
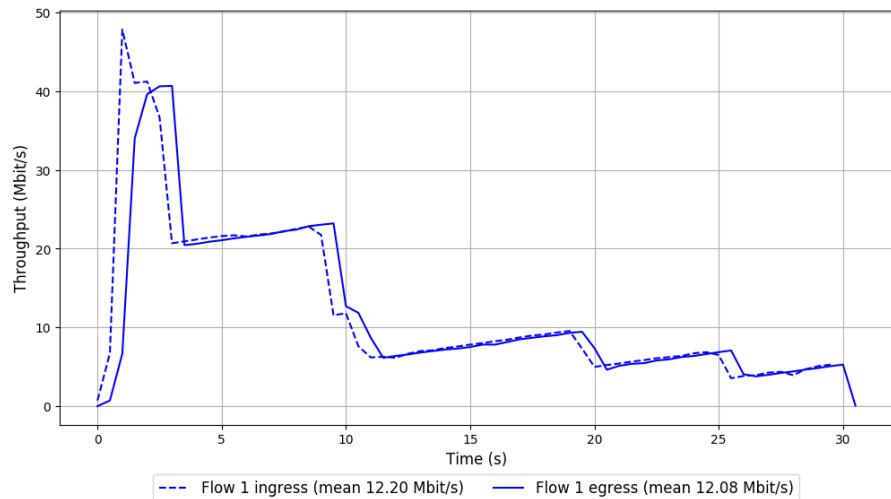


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:19:04
End at: 2018-05-21 23:19:34
Local clock offset: -2.404 ms
Remote clock offset: 9.082 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 96.113 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 96.113 ms
Loss rate: 1.02%
```

Run 6: Report of TCP Vegas — Data Link

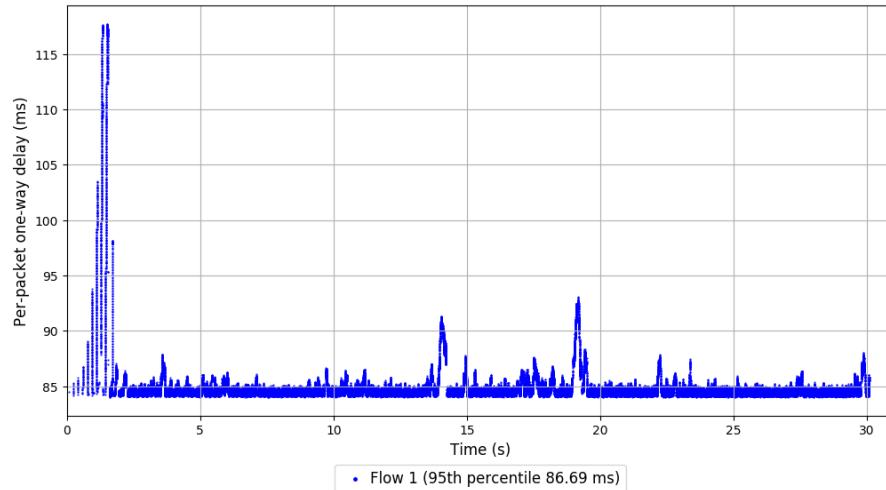
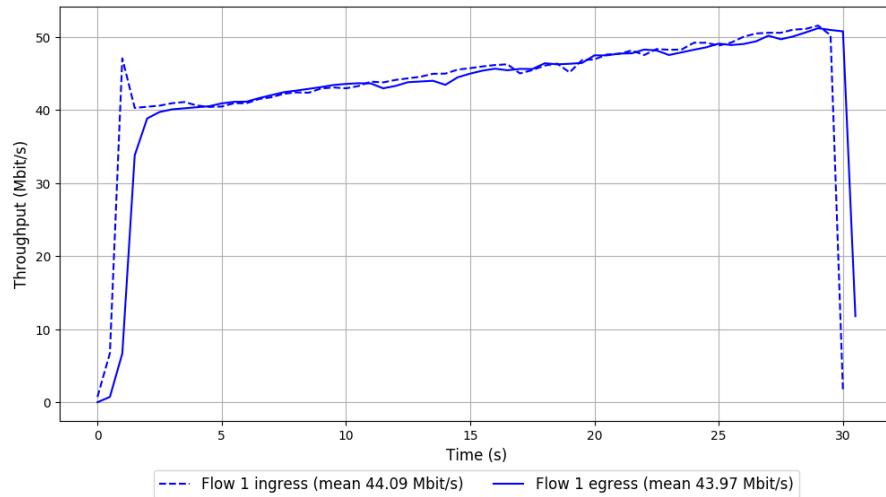


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:37:34
End at: 2018-05-21 23:38:04
Local clock offset: -2.587 ms
Remote clock offset: 3.955 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 86.695 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 86.695 ms
Loss rate: 0.27%
```

Run 7: Report of TCP Vegas — Data Link

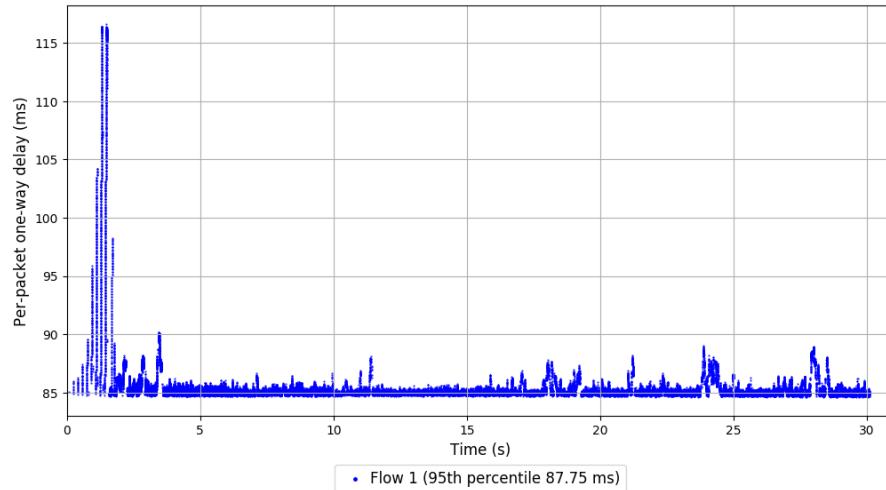
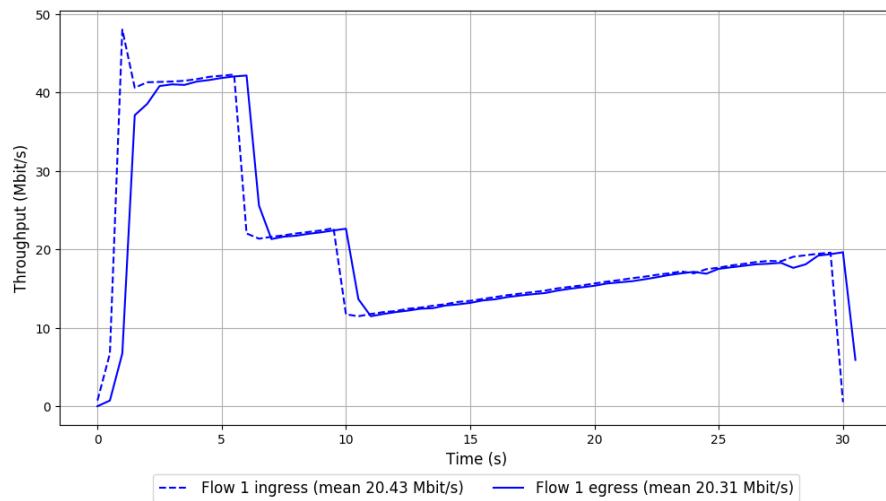


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:56:02
End at: 2018-05-21 23:56:32
Local clock offset: -4.125 ms
Remote clock offset: 6.767 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 87.752 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 87.752 ms
Loss rate: 0.62%
```

Run 8: Report of TCP Vegas — Data Link

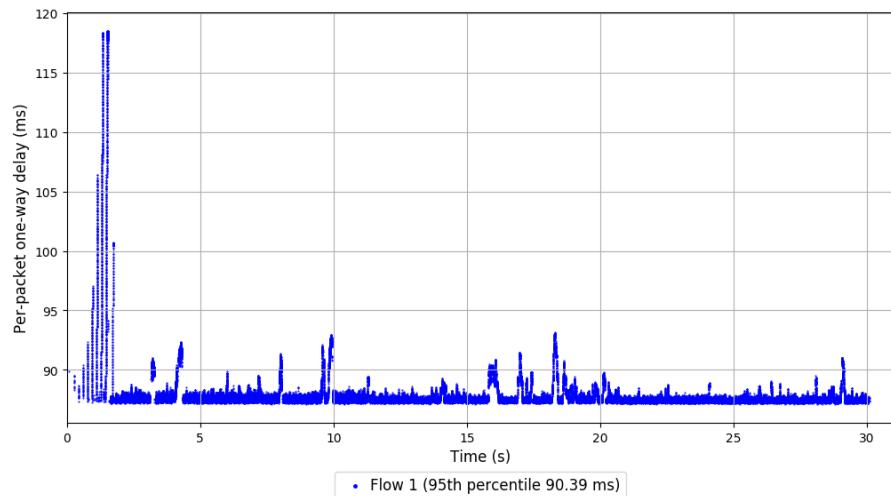
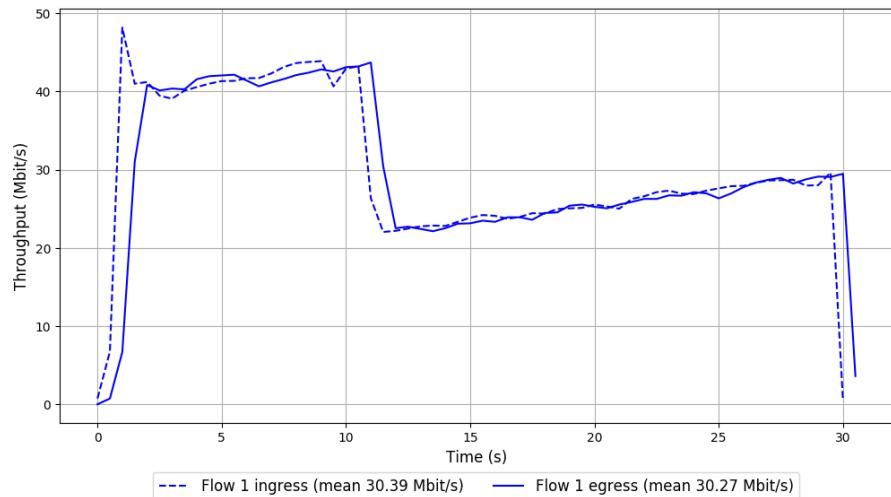


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-22 00:14:31
End at: 2018-05-22 00:15:01
Local clock offset: -6.504 ms
Remote clock offset: 6.815 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 90.393 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 90.393 ms
Loss rate: 0.42%
```

Run 9: Report of TCP Vegas — Data Link

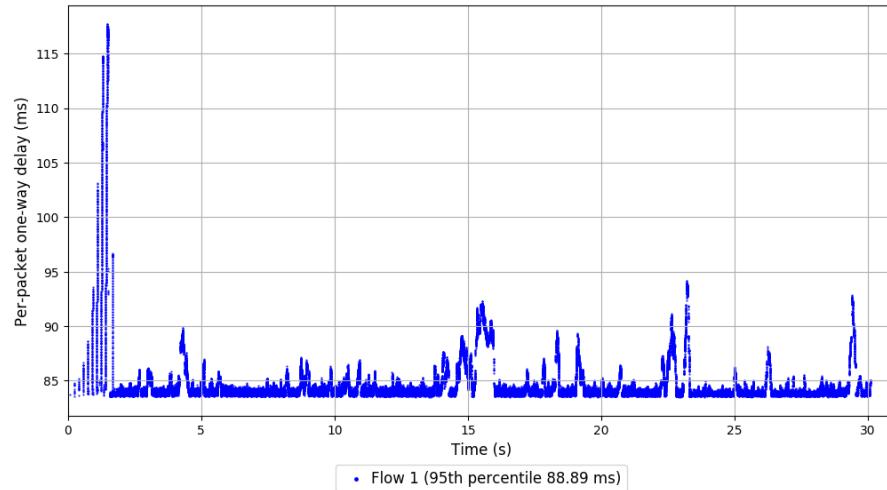
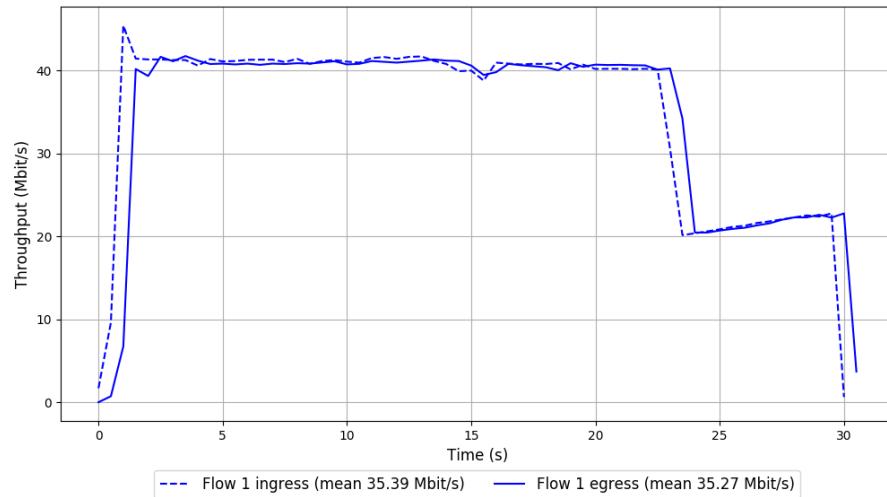


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-22 00:33:02
End at: 2018-05-22 00:33:32
Local clock offset: -5.372 ms
Remote clock offset: 13.61 ms

# Below is generated by plot.py at 2018-05-22 01:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 88.893 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 88.893 ms
Loss rate: 0.34%
```

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-21 21:40:50
End at: 2018-05-21 21:41:20
Local clock offset: 24.842 ms
Remote clock offset: 7.816 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-21 21:59:18

End at: 2018-05-21 21:59:48

Local clock offset: 24.92 ms

Remote clock offset: 2.86 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-21 22:17:47
End at: 2018-05-21 22:18:17
Local clock offset: -0.937 ms
Remote clock offset: 3.508 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-21 22:36:17
End at: 2018-05-21 22:36:47
Local clock offset: -2.54 ms
Remote clock offset: 2.397 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-21 22:54:47
End at: 2018-05-21 22:55:17
Local clock offset: -3.653 ms
Remote clock offset: 9.169 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-21 23:13:22

End at: 2018-05-21 23:13:52

Local clock offset: -3.313 ms

Remote clock offset: 4.852 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-21 23:31:50

End at: 2018-05-21 23:32:20

Local clock offset: -2.944 ms

Remote clock offset: 3.977 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-21 23:50:20
End at: 2018-05-21 23:50:50
Local clock offset: -3.14 ms
Remote clock offset: 3.879 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-22 00:08:48

End at: 2018-05-22 00:09:18

Local clock offset: -5.849 ms

Remote clock offset: 7.677 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-22 00:27:18
End at: 2018-05-22 00:27:48
Local clock offset: -7.814 ms
Remote clock offset: 11.969 ms

Run 10: Report of Verus — Data Link

Figure is missing

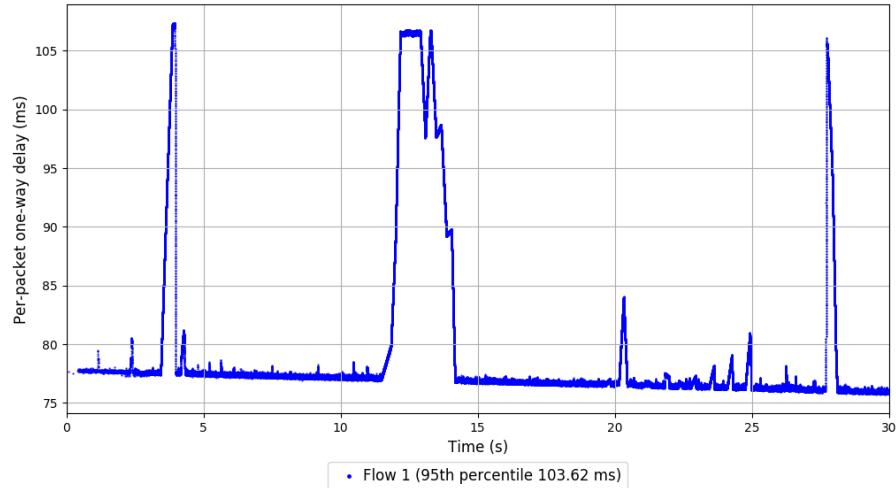
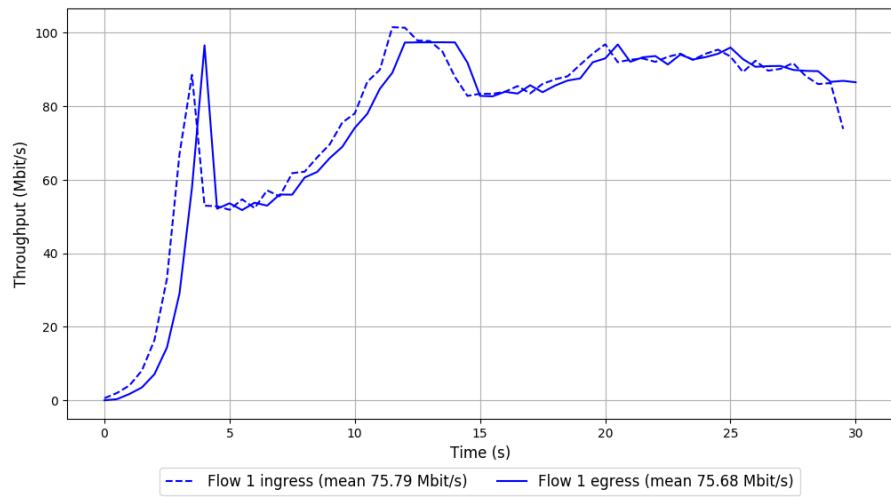
Figure is missing

Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-21 21:57:00
End at: 2018-05-21 21:57:30
Local clock offset: 33.775 ms
Remote clock offset: 2.901 ms

# Below is generated by plot.py at 2018-05-22 01:00:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 103.617 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 103.617 ms
Loss rate: 0.15%
```

Run 1: Report of PCC-Vivace — Data Link

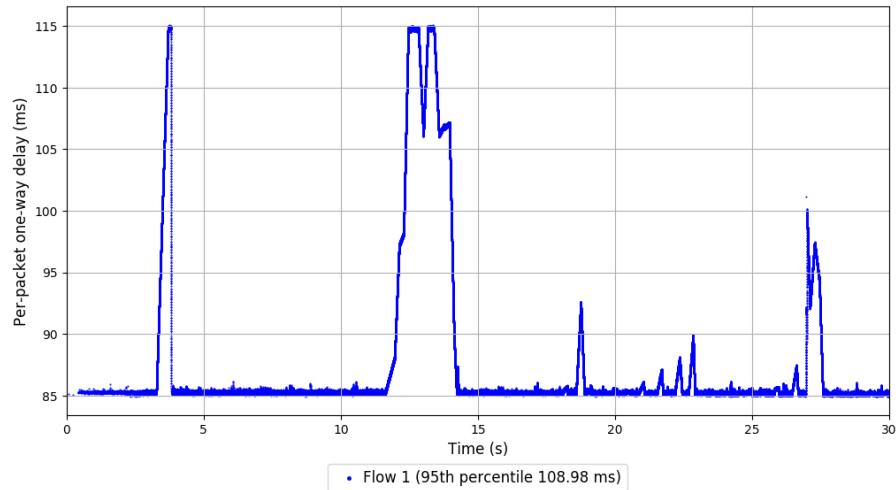
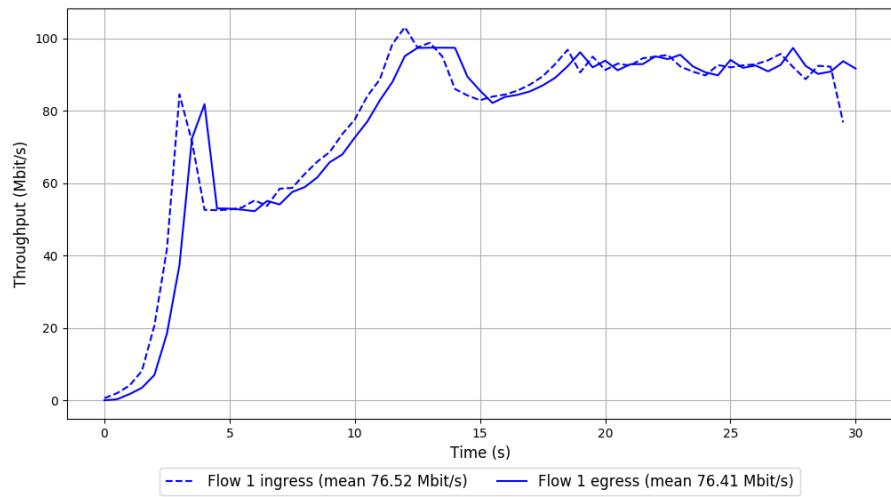


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-21 22:15:29
End at: 2018-05-21 22:15:59
Local clock offset: 0.246 ms
Remote clock offset: 7.411 ms

# Below is generated by plot.py at 2018-05-22 01:00:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.41 Mbit/s
95th percentile per-packet one-way delay: 108.985 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 76.41 Mbit/s
95th percentile per-packet one-way delay: 108.985 ms
Loss rate: 0.14%
```

Run 2: Report of PCC-Vivace — Data Link

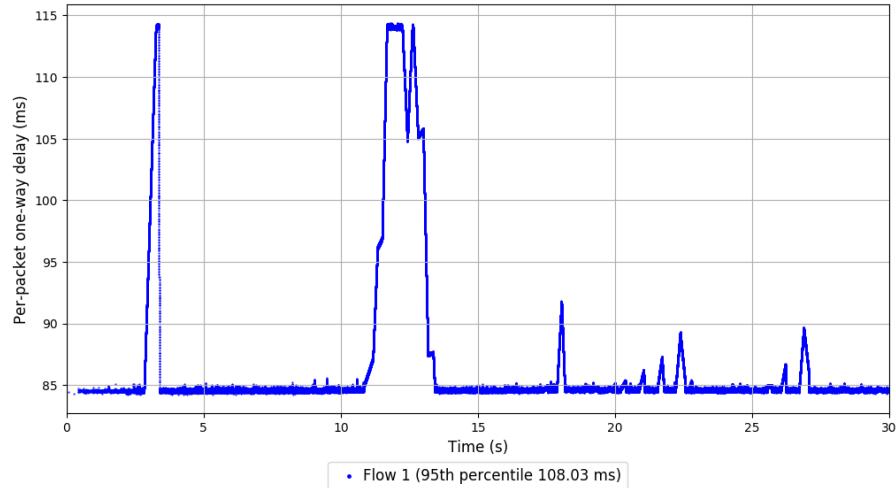
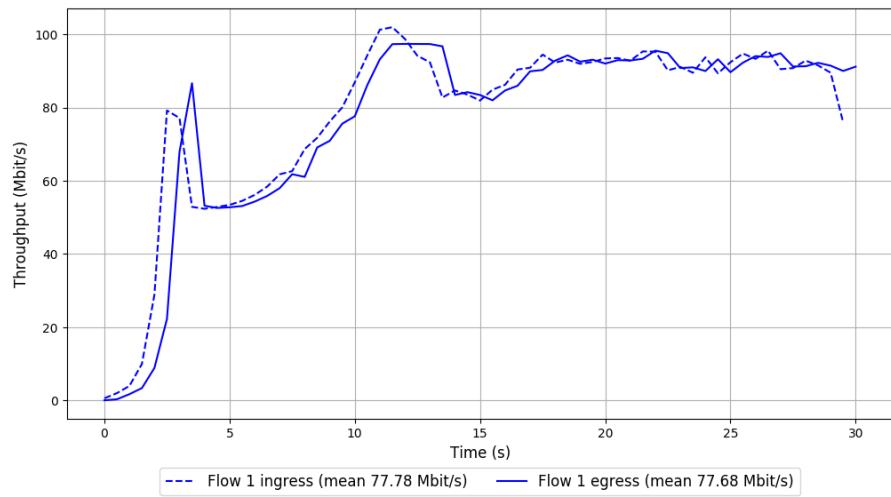


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-21 22:33:59
End at: 2018-05-21 22:34:29
Local clock offset: -3.116 ms
Remote clock offset: 6.369 ms

# Below is generated by plot.py at 2018-05-22 01:00:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 108.031 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 108.031 ms
Loss rate: 0.13%
```

Run 3: Report of PCC-Vivace — Data Link

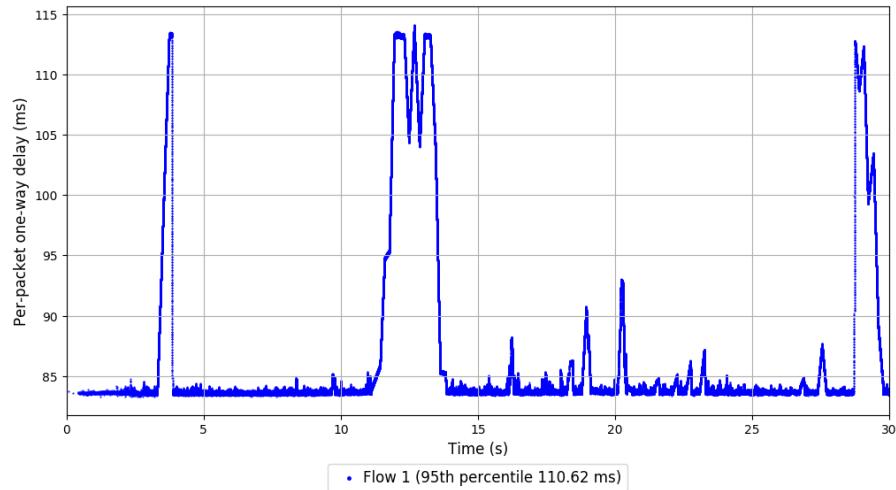
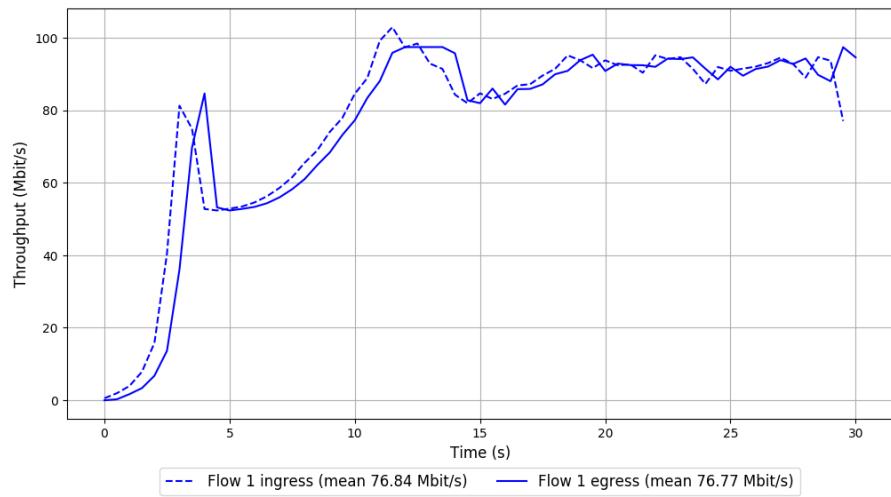


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-21 22:52:29
End at: 2018-05-21 22:52:59
Local clock offset: -4.291 ms
Remote clock offset: 8.151 ms

# Below is generated by plot.py at 2018-05-22 01:00:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.77 Mbit/s
95th percentile per-packet one-way delay: 110.621 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.77 Mbit/s
95th percentile per-packet one-way delay: 110.621 ms
Loss rate: 0.09%
```

Run 4: Report of PCC-Vivace — Data Link

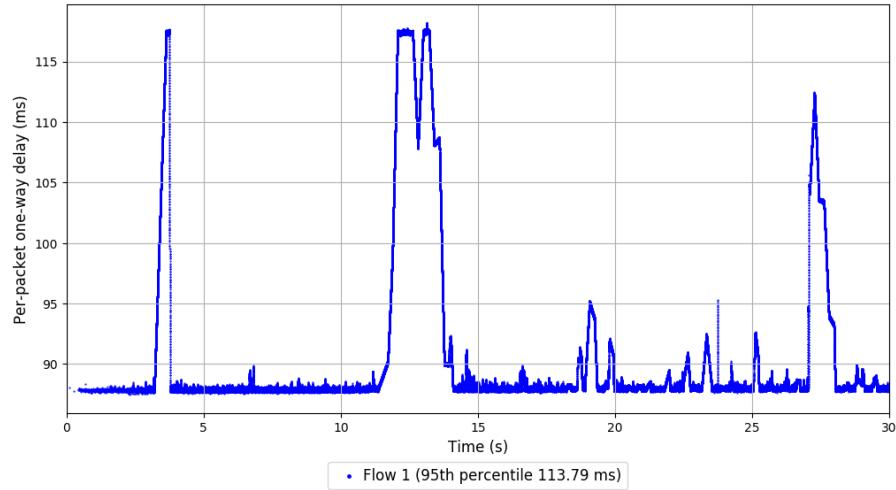
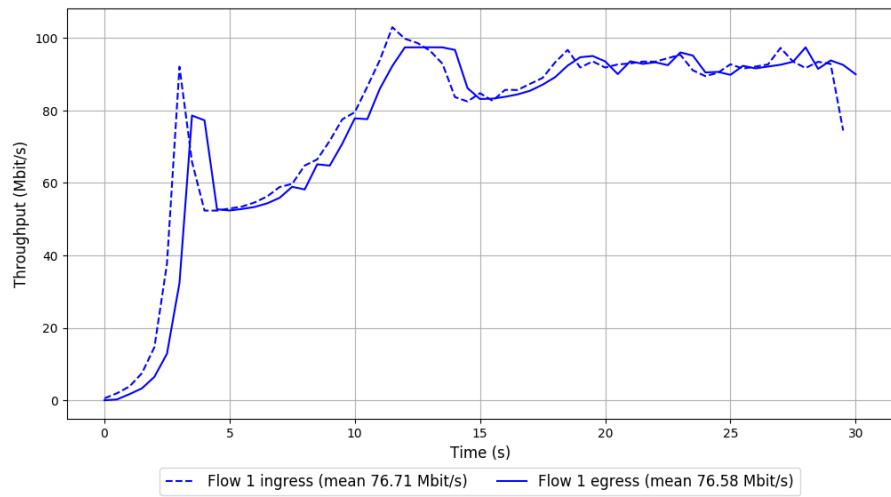


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-21 23:11:04
End at: 2018-05-21 23:11:34
Local clock offset: -2.566 ms
Remote clock offset: 7.9 ms

# Below is generated by plot.py at 2018-05-22 01:00:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.58 Mbit/s
95th percentile per-packet one-way delay: 113.788 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 76.58 Mbit/s
95th percentile per-packet one-way delay: 113.788 ms
Loss rate: 0.17%
```

Run 5: Report of PCC-Vivace — Data Link

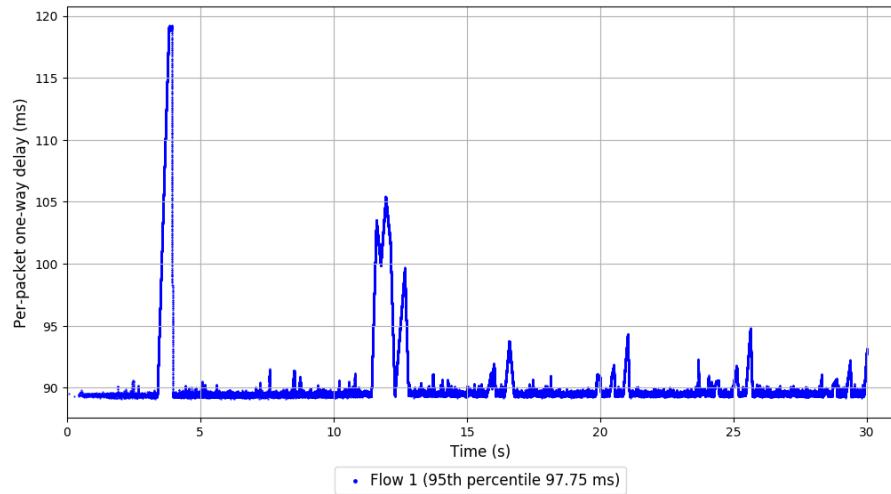
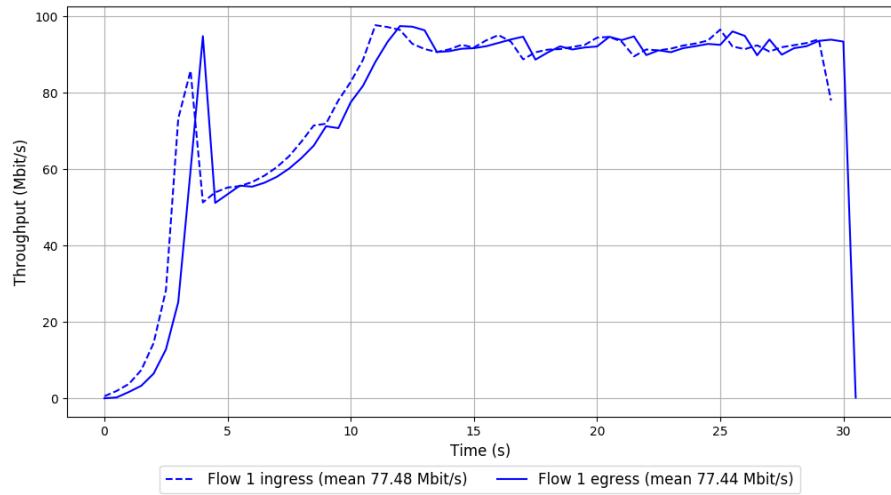


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-21 23:29:32
End at: 2018-05-21 23:30:02
Local clock offset: -3.498 ms
Remote clock offset: 7.813 ms

# Below is generated by plot.py at 2018-05-22 01:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 97.752 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 97.752 ms
Loss rate: 0.05%
```

Run 6: Report of PCC-Vivace — Data Link

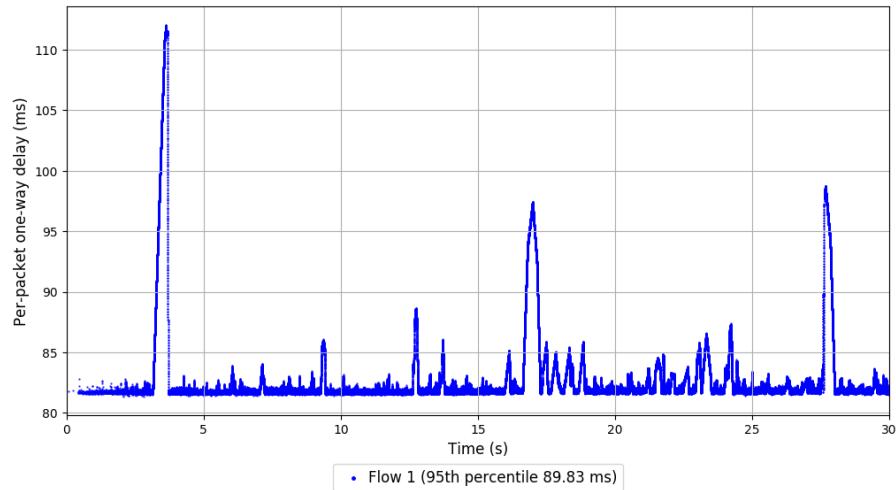
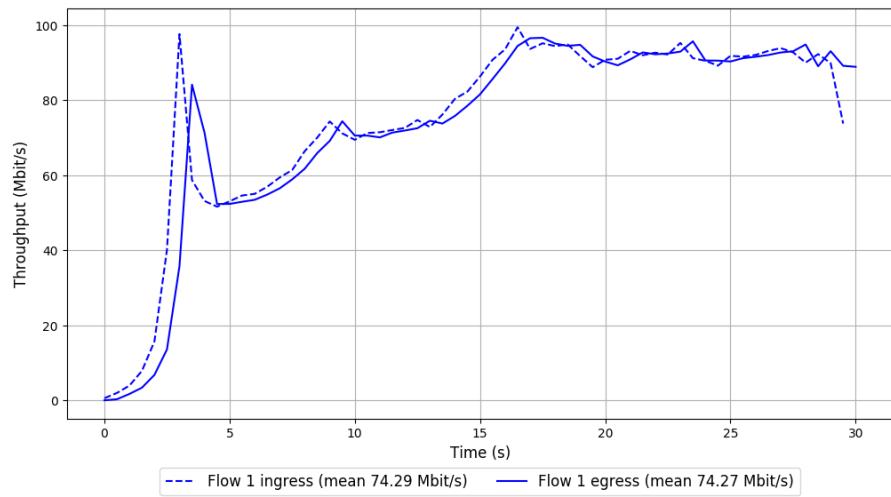


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-21 23:48:02
End at: 2018-05-21 23:48:32
Local clock offset: -4.597 ms
Remote clock offset: 3.902 ms

# Below is generated by plot.py at 2018-05-22 01:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.27 Mbit/s
95th percentile per-packet one-way delay: 89.829 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 74.27 Mbit/s
95th percentile per-packet one-way delay: 89.829 ms
Loss rate: 0.03%
```

Run 7: Report of PCC-Vivace — Data Link

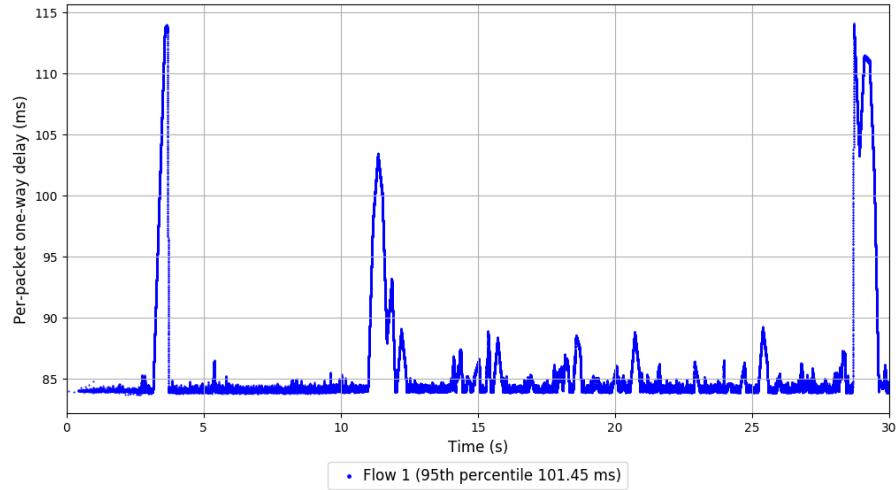
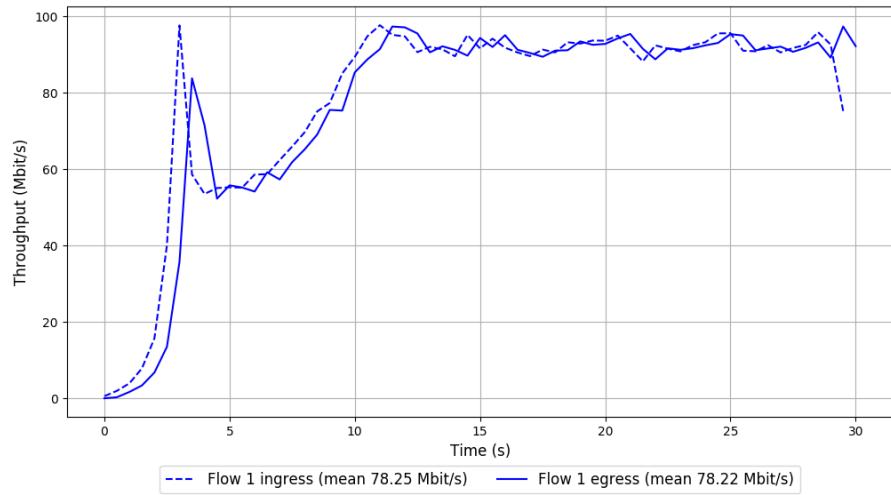


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-22 00:06:30
End at: 2018-05-22 00:07:00
Local clock offset: -5.517 ms
Remote clock offset: 7.771 ms

# Below is generated by plot.py at 2018-05-22 01:01:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 101.449 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 101.449 ms
Loss rate: 0.03%
```

Run 8: Report of PCC-Vivace — Data Link

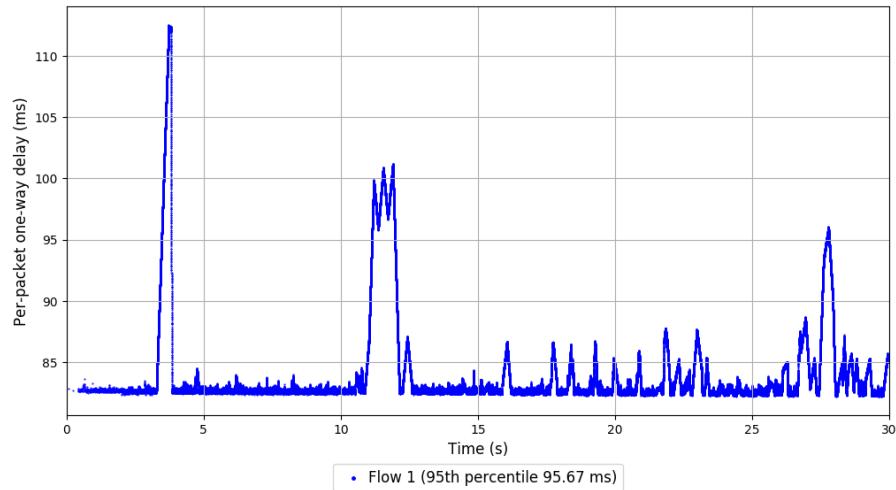
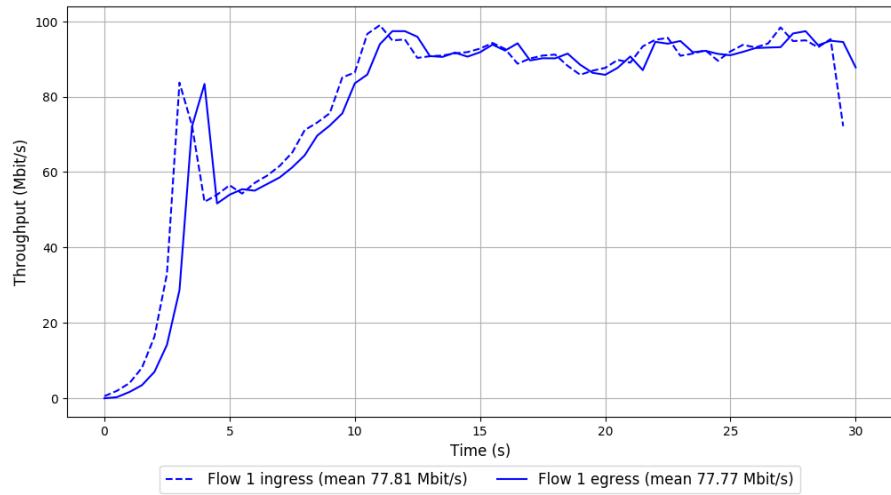


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-22 00:25:00
End at: 2018-05-22 00:25:30
Local clock offset: -8.924 ms
Remote clock offset: 8.675 ms

# Below is generated by plot.py at 2018-05-22 01:01:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.77 Mbit/s
95th percentile per-packet one-way delay: 95.675 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.77 Mbit/s
95th percentile per-packet one-way delay: 95.675 ms
Loss rate: 0.04%
```

Run 9: Report of PCC-Vivace — Data Link

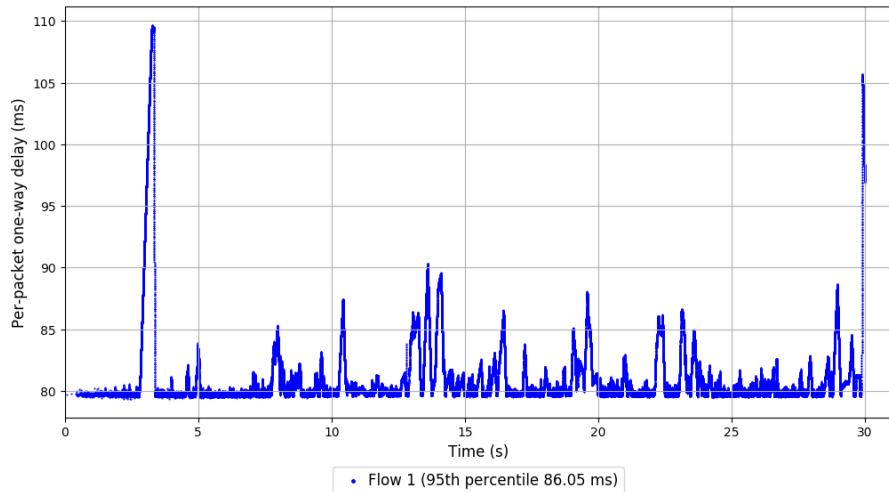
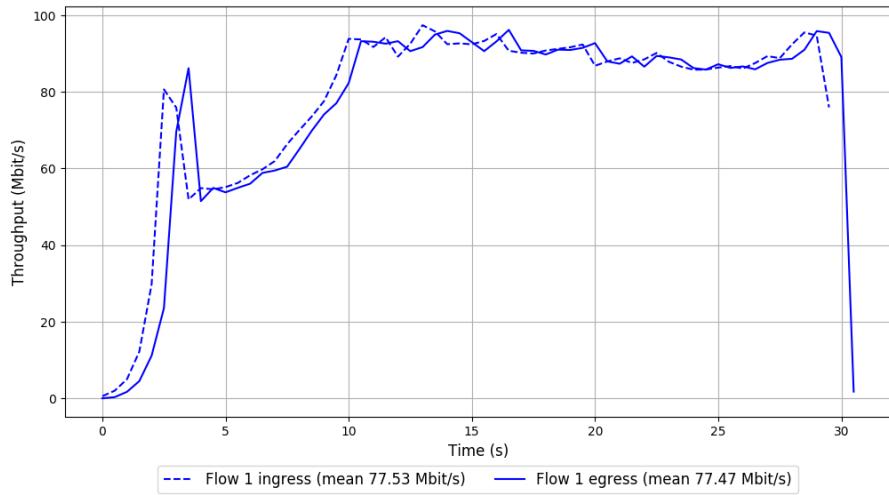


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-22 00:43:28
End at: 2018-05-22 00:43:58
Local clock offset: -4.26 ms
Remote clock offset: 11.858 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.47 Mbit/s
95th percentile per-packet one-way delay: 86.048 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 77.47 Mbit/s
95th percentile per-packet one-way delay: 86.048 ms
Loss rate: 0.02%
```

Run 10: Report of PCC-Vivace — Data Link

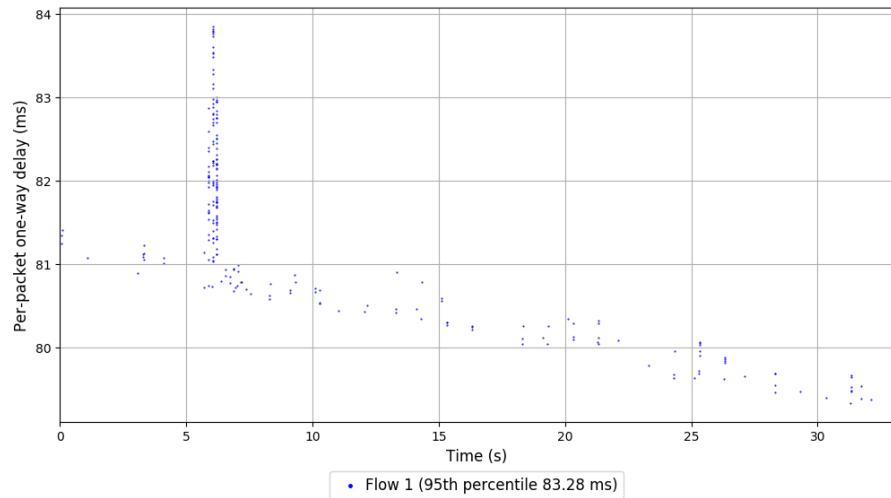
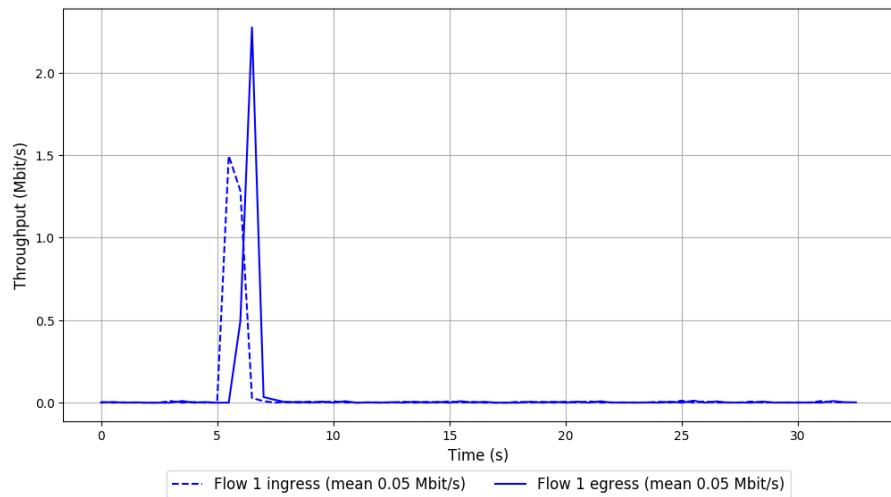


Run 1: Statistics of WebRTC media

```
Start at: 2018-05-21 21:58:11
End at: 2018-05-21 21:58:41
Local clock offset: 28.715 ms
Remote clock offset: 7.56 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.282 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

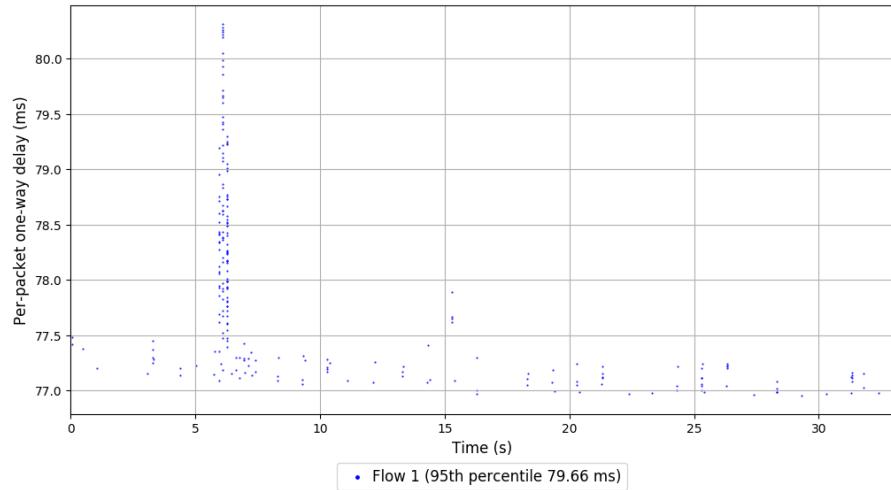
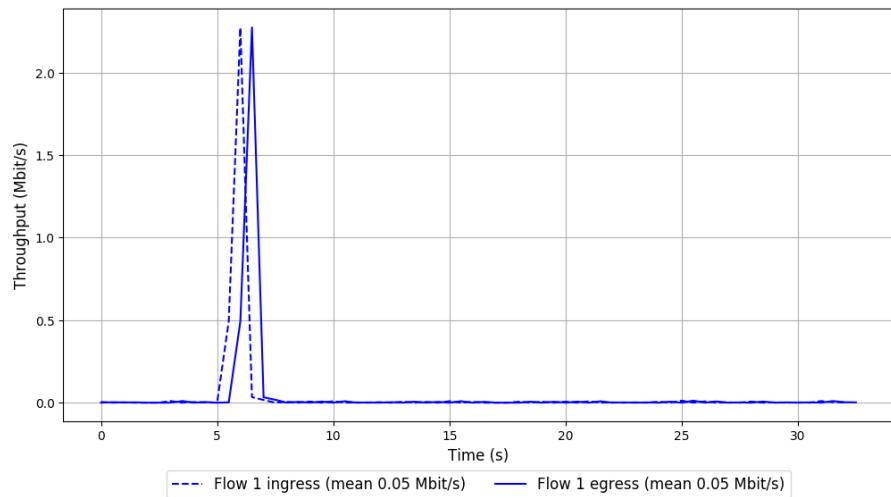


```
Run 2: Statistics of WebRTC media

Start at: 2018-05-21 22:16:41
End at: 2018-05-21 22:17:11
Local clock offset: 1.146 ms
Remote clock offset: 2.689 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 79.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 79.664 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

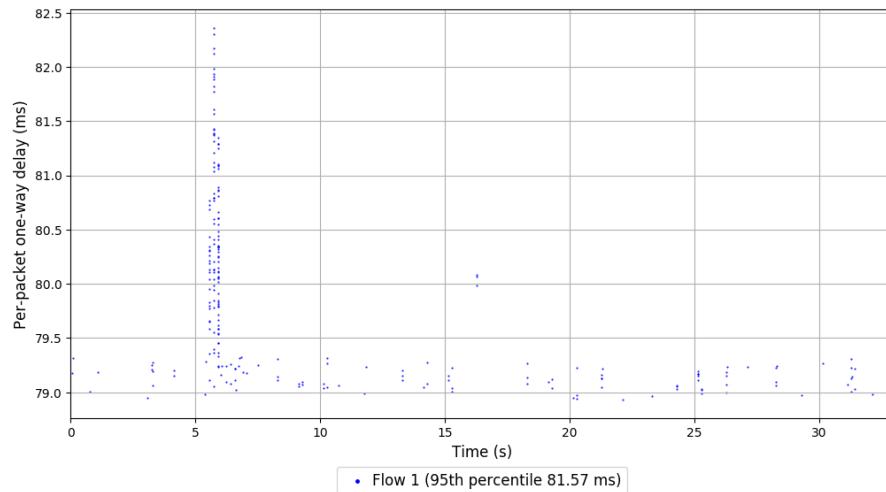
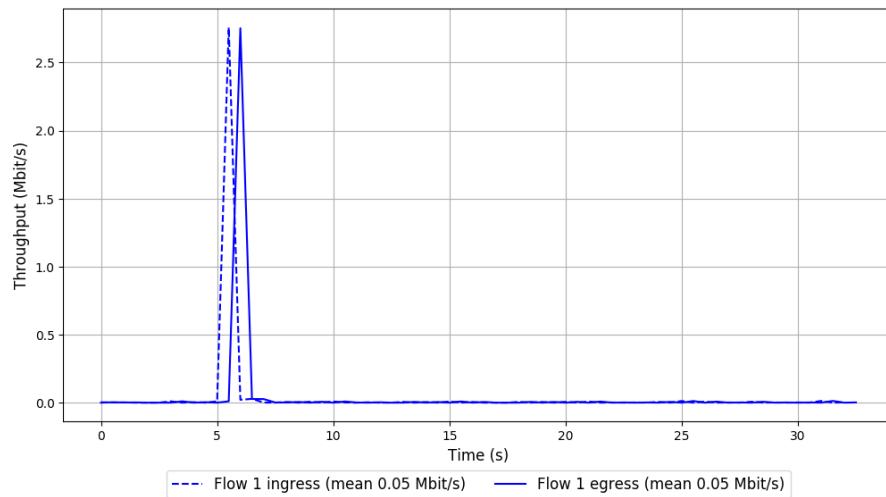


```
Run 3: Statistics of WebRTC media

Start at: 2018-05-21 22:35:11
End at: 2018-05-21 22:35:41
Local clock offset: -2.467 ms
Remote clock offset: 2.495 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 81.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 81.566 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

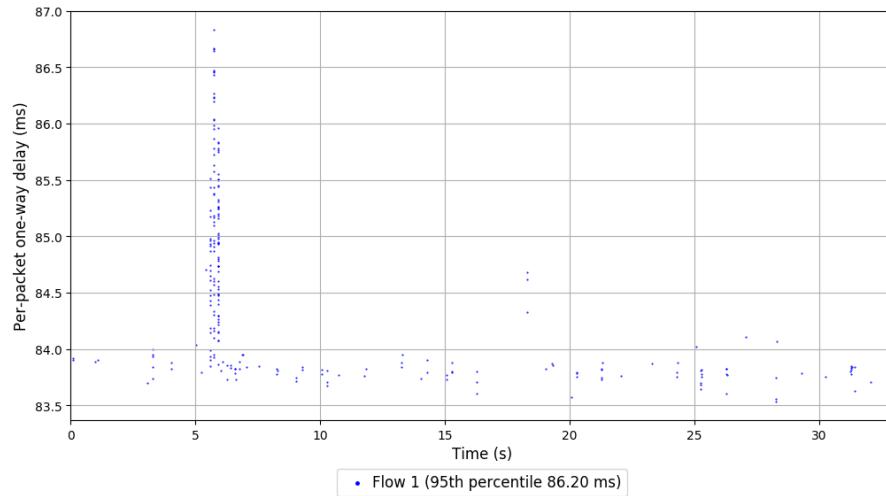
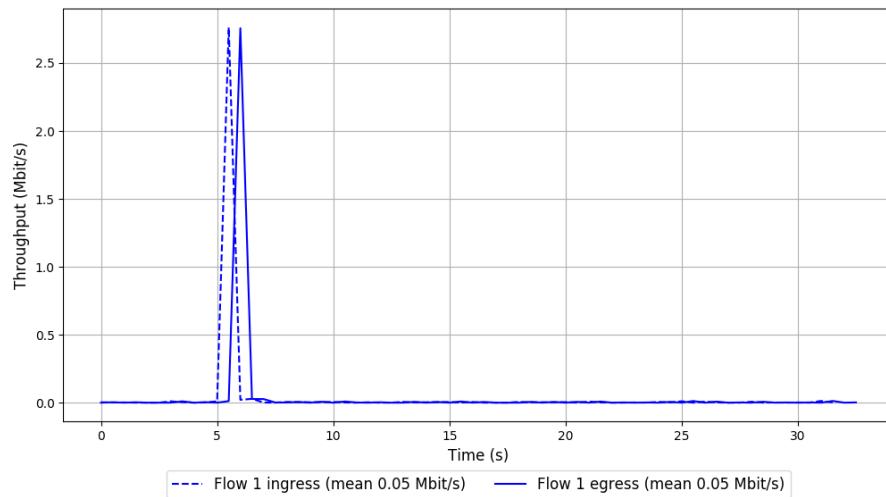


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-21 22:53:41
End at: 2018-05-21 22:54:11
Local clock offset: -3.588 ms
Remote clock offset: 8.2 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.198 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

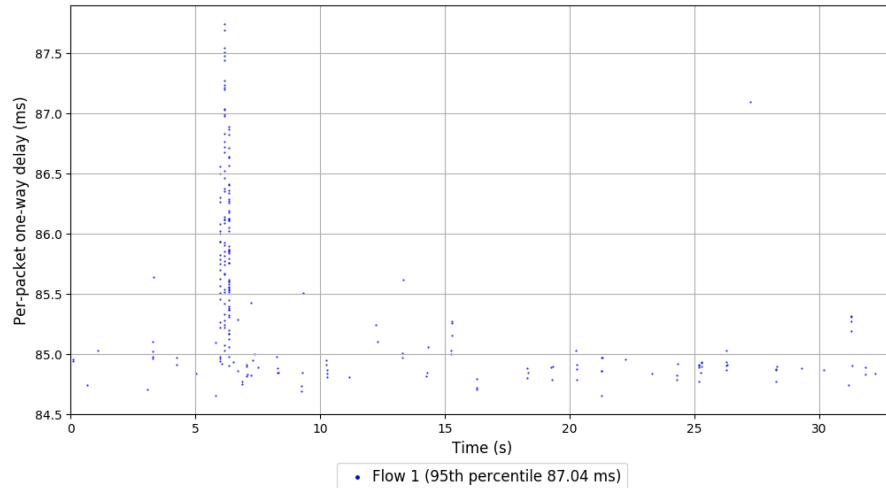
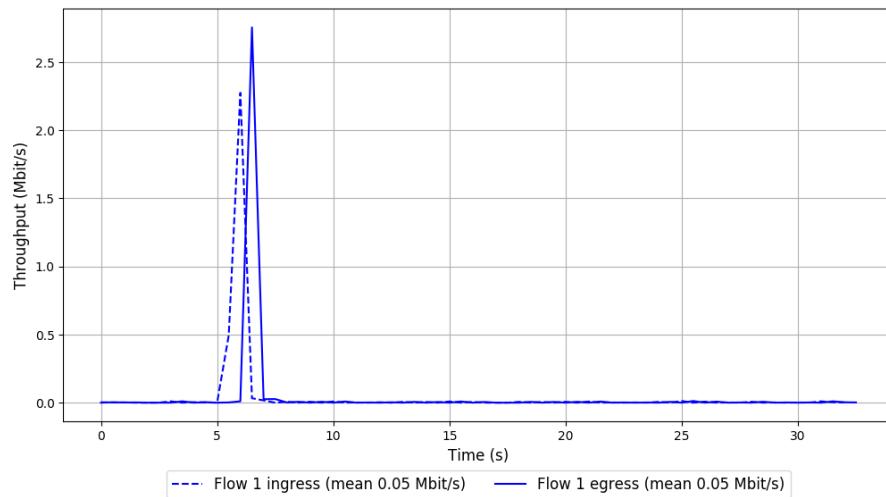


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-21 23:12:15
End at: 2018-05-21 23:12:45
Local clock offset: -2.518 ms
Remote clock offset: 4.935 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.040 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

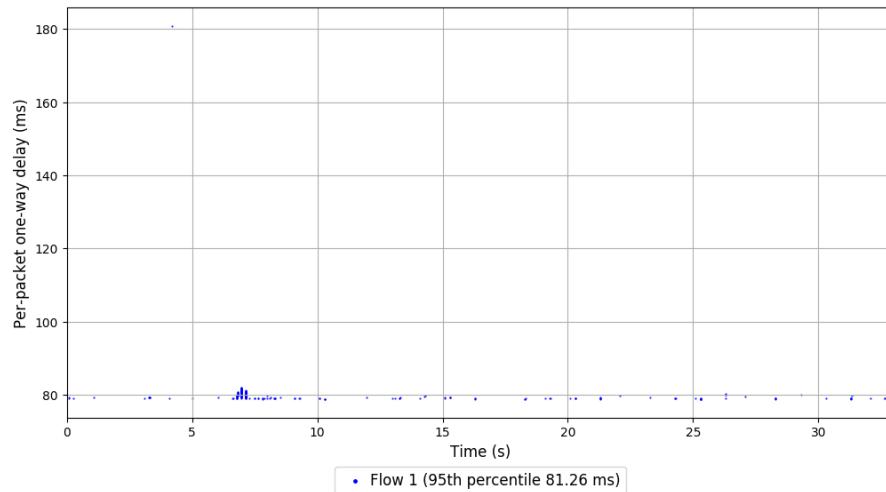
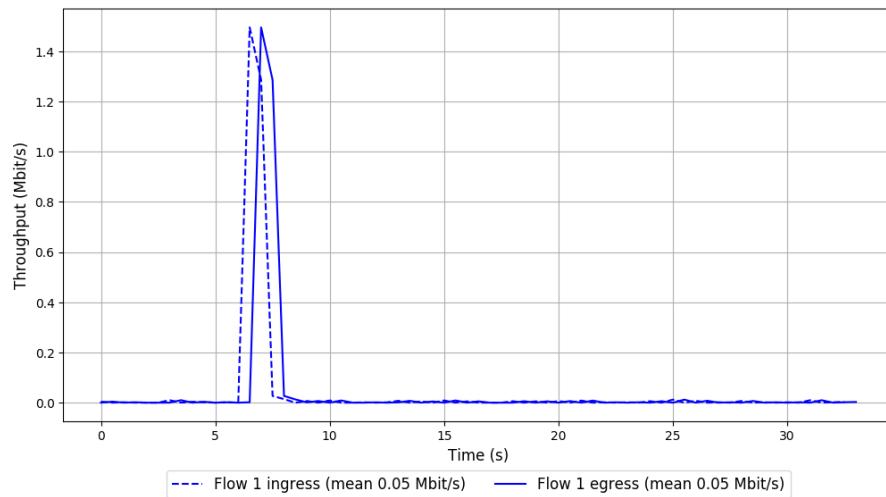


```
Run 6: Statistics of WebRTC media

Start at: 2018-05-21 23:30:44
End at: 2018-05-21 23:31:14
Local clock offset: -2.907 ms
Remote clock offset: 3.307 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 81.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 81.257 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

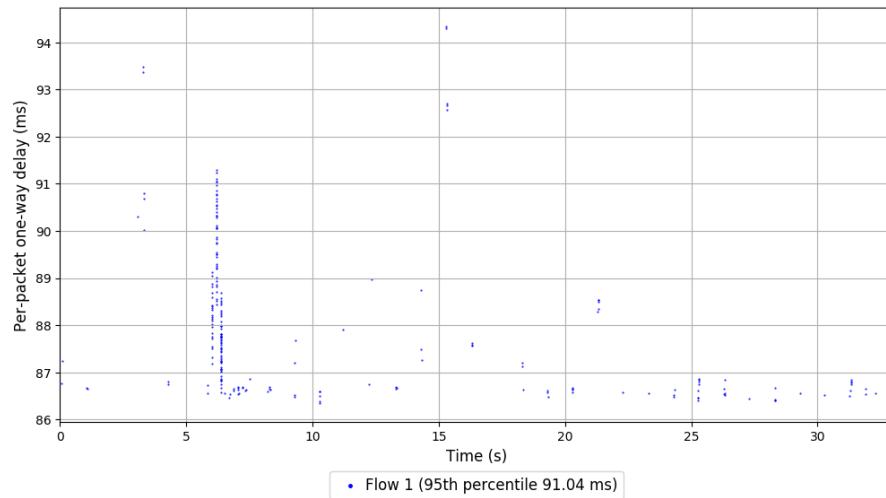
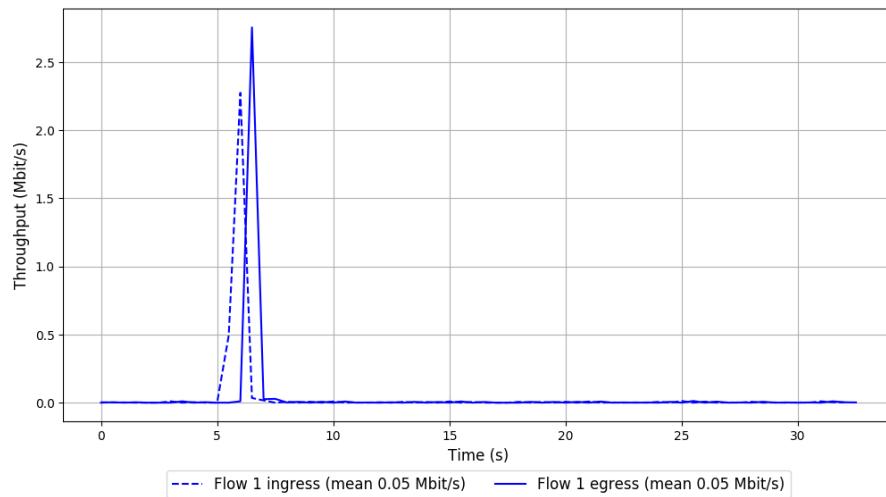


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-21 23:49:13
End at: 2018-05-21 23:49:43
Local clock offset: -3.867 ms
Remote clock offset: 8.58 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 91.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 91.040 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

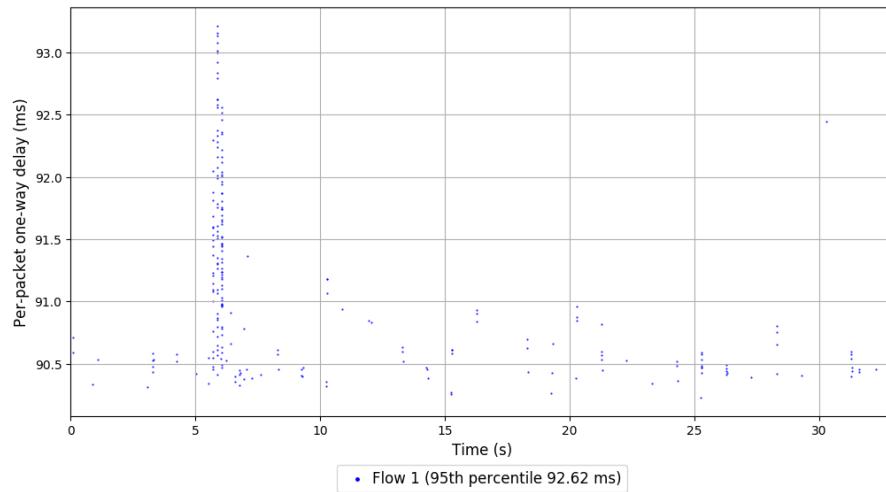
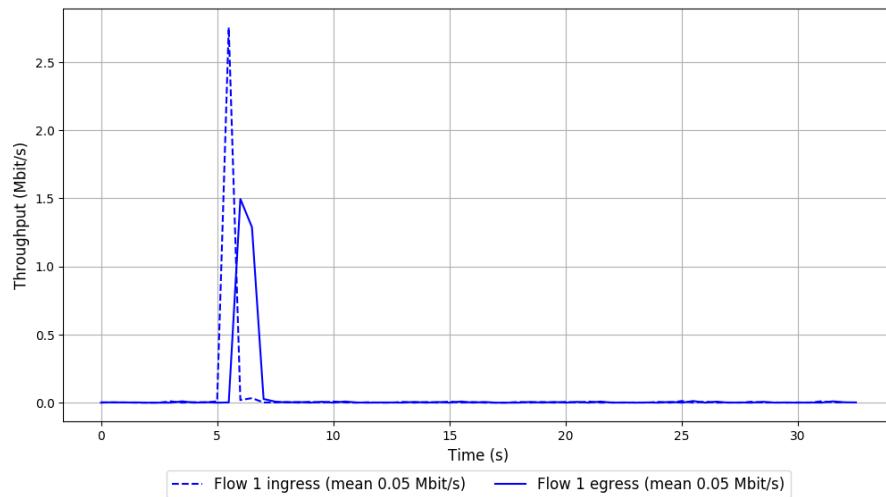


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-22 00:07:41
End at: 2018-05-22 00:08:11
Local clock offset: -5.685 ms
Remote clock offset: 8.556 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 92.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 92.623 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

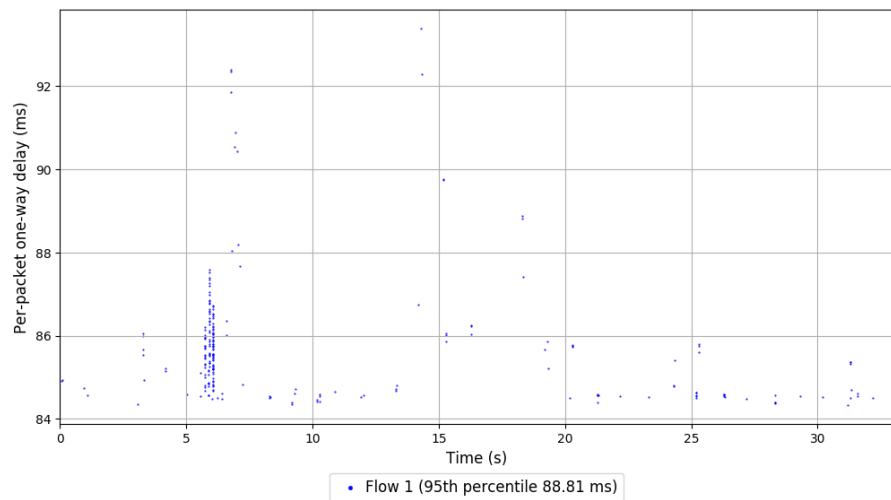
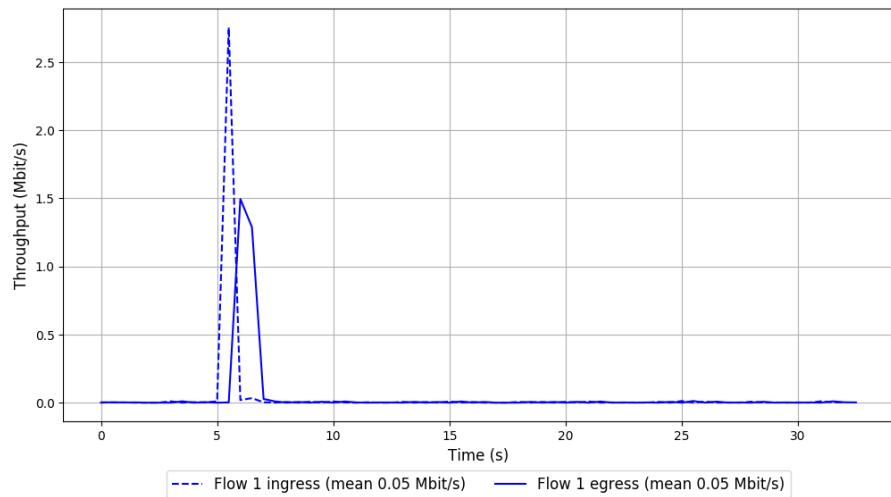


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-22 00:26:12
End at: 2018-05-22 00:26:42
Local clock offset: -9.001 ms
Remote clock offset: 11.171 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.806 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-05-22 00:44:40
End at: 2018-05-22 00:45:10
Local clock offset: -3.307 ms
Remote clock offset: 15.856 ms

# Below is generated by plot.py at 2018-05-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.897 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

