

Pantheon Report

Generated at 2018-08-11 20:41:41 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE Iowa Ethernet (*local*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

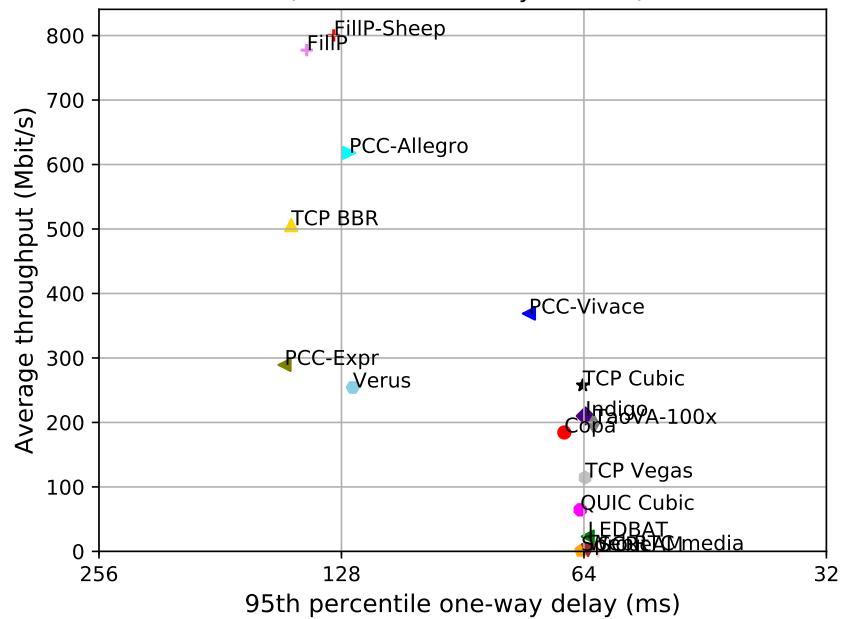
System info:

```
Linux 4.15.0-1014-gcp
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

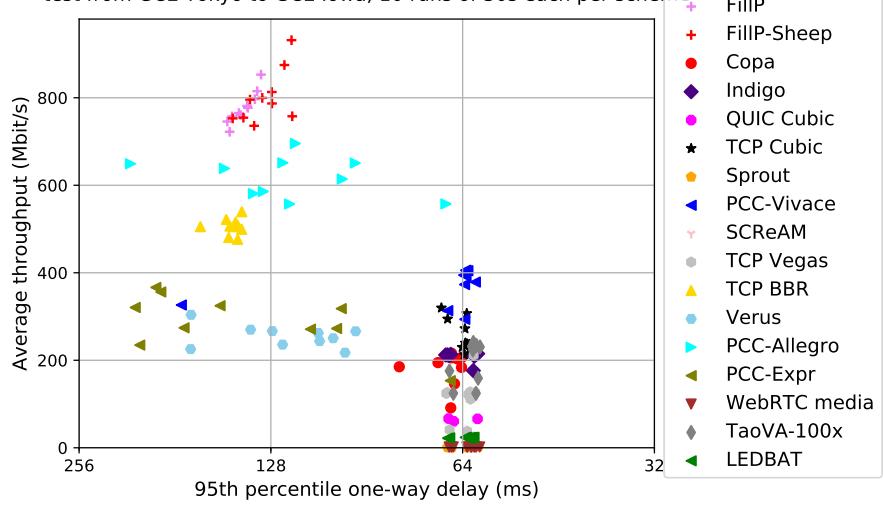
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



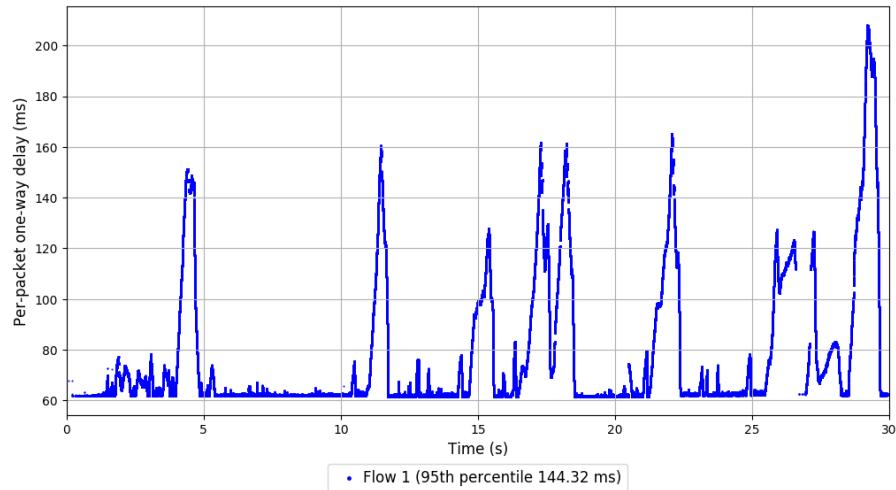
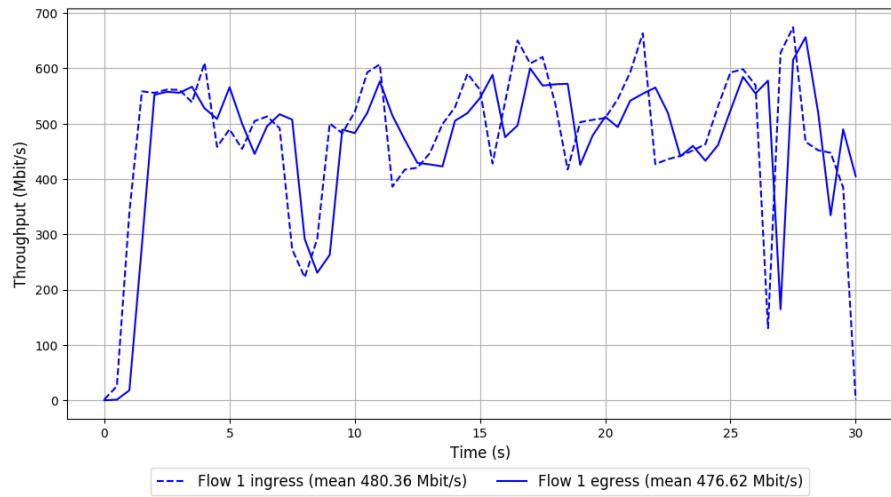
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	505.87	147.77	1.52
Copa	10	184.40	67.70	0.25
TCP Cubic	10	257.43	64.22	0.58
FillP	10	777.42	141.35	6.28
FillP-Sheep	10	800.30	130.85	1.84
Indigo	10	209.99	63.75	0.42
LEDBAT	10	23.02	63.32	0.83
PCC-Allegro	10	618.05	125.23	2.68
PCC-Expr	10	289.18	150.64	3.24
QUIC Cubic	3	64.48	64.68	0.58
SCReAM	10	0.22	61.47	0.45
Sprout	10	1.03	64.51	0.37
TaoVA-100x	10	197.94	62.23	0.36
TCP Vegas	10	114.51	63.78	0.44
Verus	10	254.21	123.91	1.24
PCC-Vivace	10	368.81	74.90	0.58
WebRTC media	10	1.85	63.26	0.47

Run 1: Statistics of TCP BBR

```
Start at: 2018-08-11 14:39:23
End at: 2018-08-11 14:39:53
Local clock offset: -0.376 ms
Remote clock offset: -0.814 ms

# Below is generated by plot.py at 2018-08-11 18:46:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 476.62 Mbit/s
95th percentile per-packet one-way delay: 144.323 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 476.62 Mbit/s
95th percentile per-packet one-way delay: 144.323 ms
Loss rate: 1.21%
```

Run 1: Report of TCP BBR — Data Link

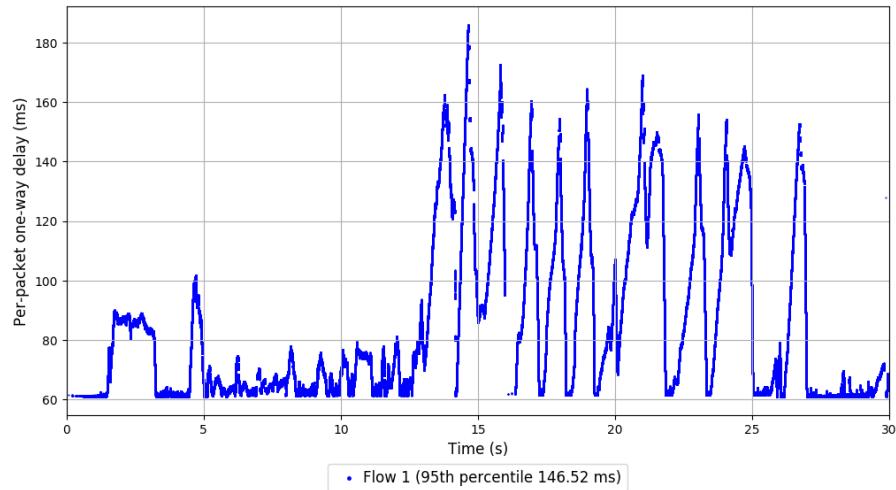
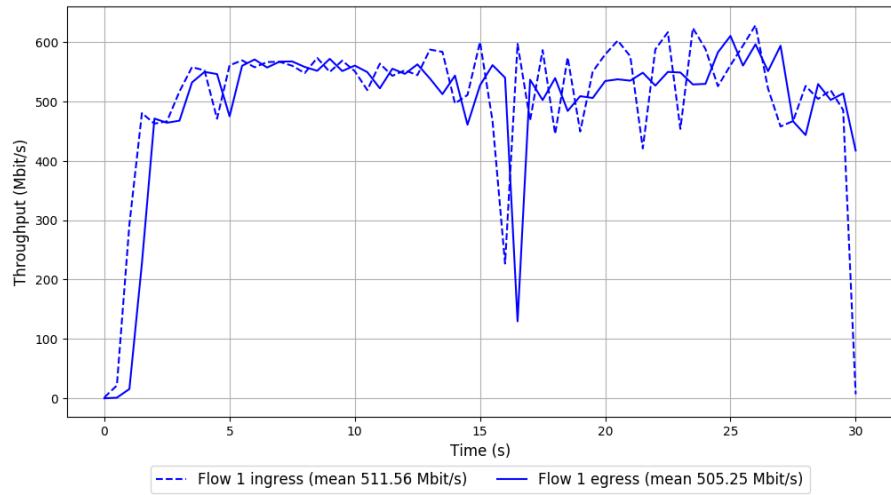


Run 2: Statistics of TCP BBR

```
Start at: 2018-08-11 15:02:09
End at: 2018-08-11 15:02:39
Local clock offset: -0.464 ms
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2018-08-11 18:46:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 505.25 Mbit/s
95th percentile per-packet one-way delay: 146.523 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 505.25 Mbit/s
95th percentile per-packet one-way delay: 146.523 ms
Loss rate: 1.66%
```

Run 2: Report of TCP BBR — Data Link

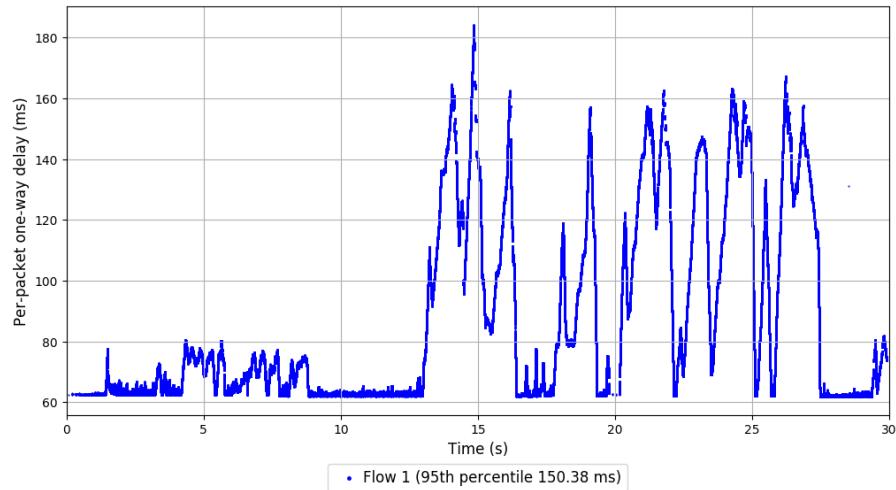
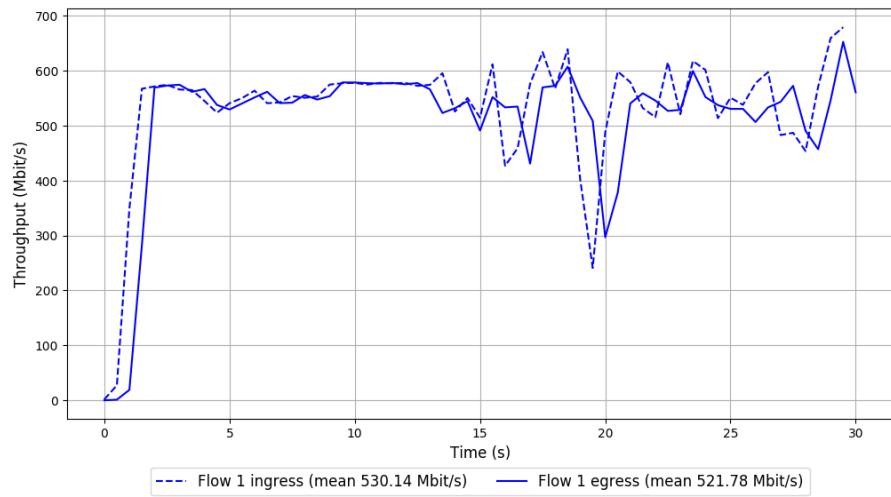


Run 3: Statistics of TCP BBR

```
Start at: 2018-08-11 15:24:57
End at: 2018-08-11 15:25:27
Local clock offset: -0.5 ms
Remote clock offset: -1.239 ms

# Below is generated by plot.py at 2018-08-11 18:46:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 521.78 Mbit/s
95th percentile per-packet one-way delay: 150.384 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 521.78 Mbit/s
95th percentile per-packet one-way delay: 150.384 ms
Loss rate: 2.00%
```

Run 3: Report of TCP BBR — Data Link

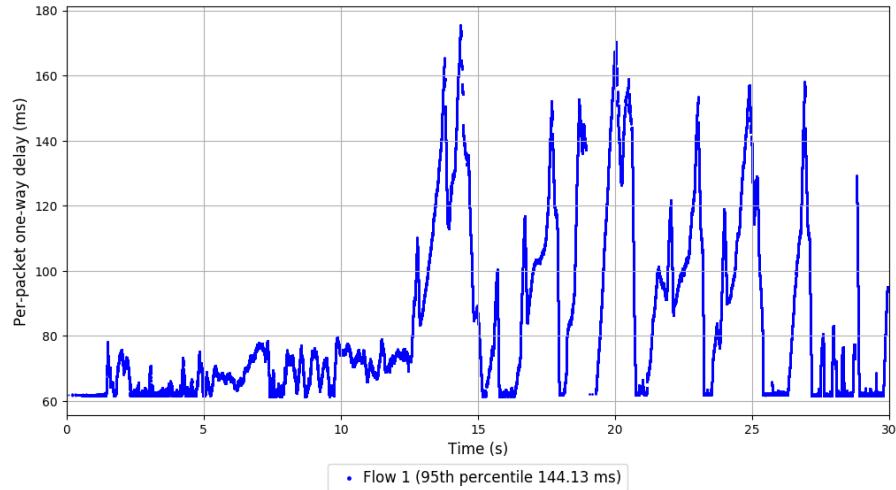
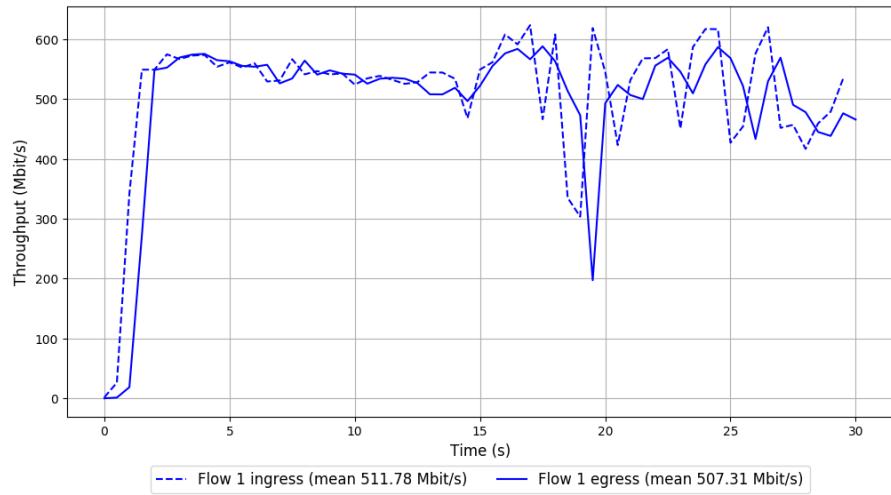


Run 4: Statistics of TCP BBR

```
Start at: 2018-08-11 15:47:57
End at: 2018-08-11 15:48:27
Local clock offset: -0.495 ms
Remote clock offset: -0.52 ms

# Below is generated by plot.py at 2018-08-11 18:46:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 507.31 Mbit/s
95th percentile per-packet one-way delay: 144.134 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 507.31 Mbit/s
95th percentile per-packet one-way delay: 144.134 ms
Loss rate: 1.28%
```

Run 4: Report of TCP BBR — Data Link

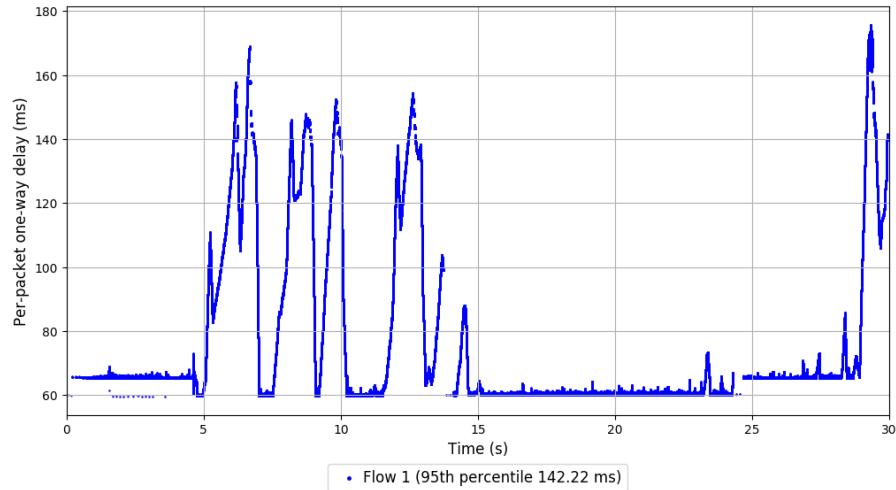
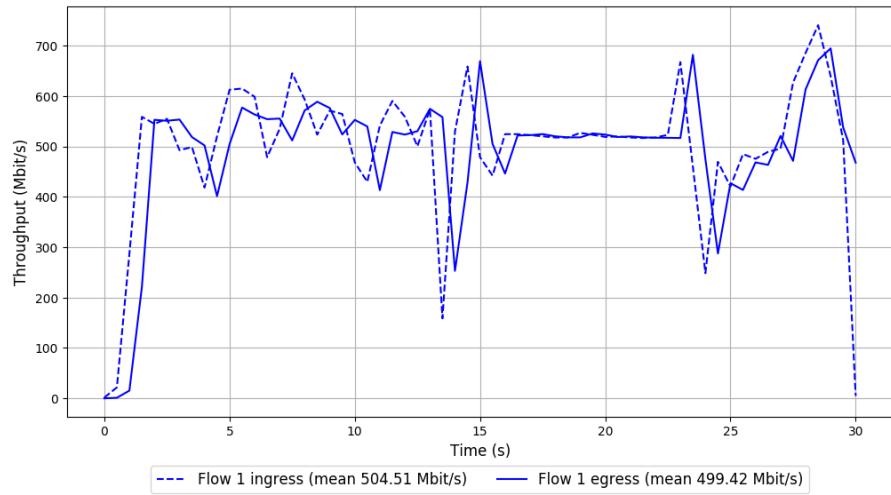


Run 5: Statistics of TCP BBR

```
Start at: 2018-08-11 16:10:10
End at: 2018-08-11 16:10:40
Local clock offset: -0.644 ms
Remote clock offset: 0.962 ms

# Below is generated by plot.py at 2018-08-11 18:46:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 499.42 Mbit/s
95th percentile per-packet one-way delay: 142.218 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 499.42 Mbit/s
95th percentile per-packet one-way delay: 142.218 ms
Loss rate: 1.43%
```

Run 5: Report of TCP BBR — Data Link

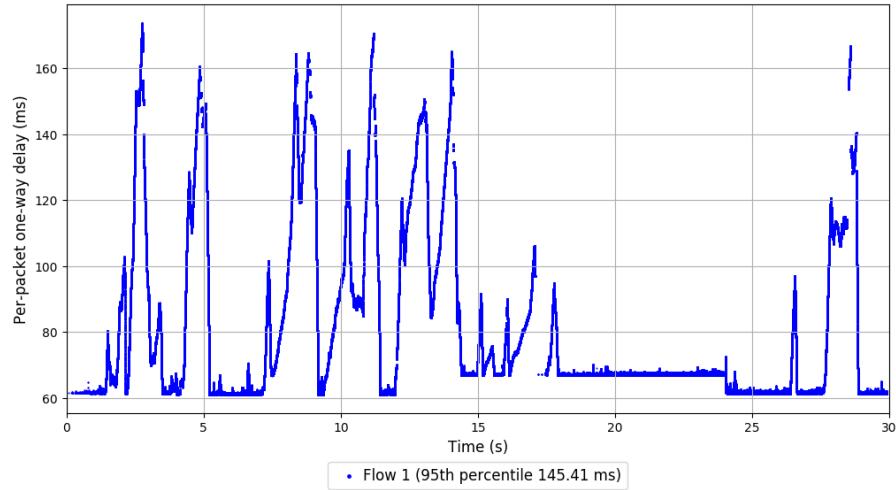
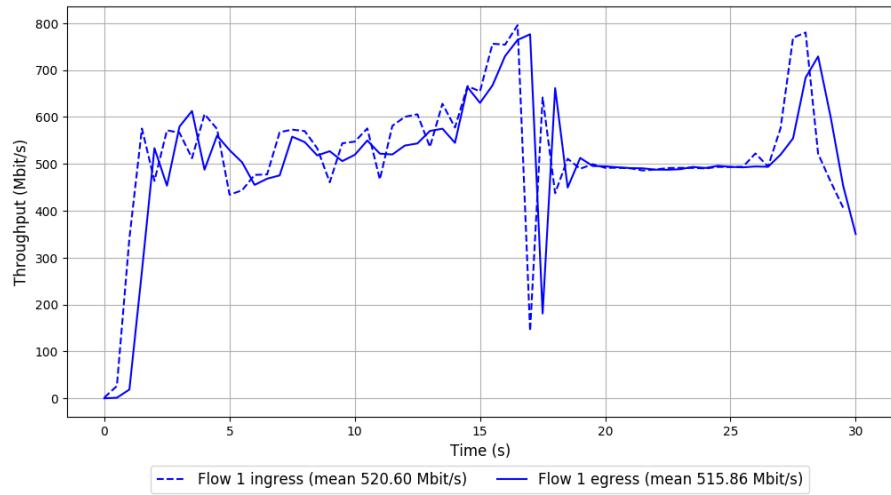


Run 6: Statistics of TCP BBR

```
Start at: 2018-08-11 16:32:31
End at: 2018-08-11 16:33:01
Local clock offset: -0.656 ms
Remote clock offset: -0.249 ms

# Below is generated by plot.py at 2018-08-11 18:46:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 515.86 Mbit/s
95th percentile per-packet one-way delay: 145.414 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 515.86 Mbit/s
95th percentile per-packet one-way delay: 145.414 ms
Loss rate: 1.32%
```

Run 6: Report of TCP BBR — Data Link

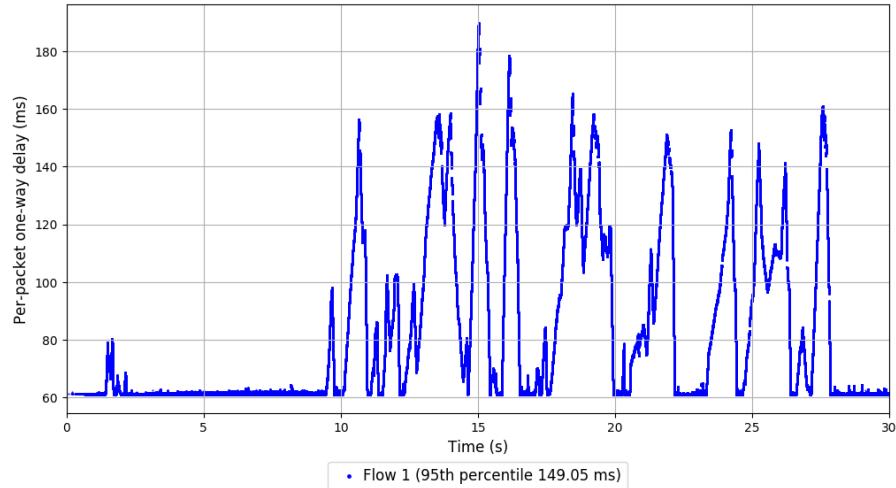
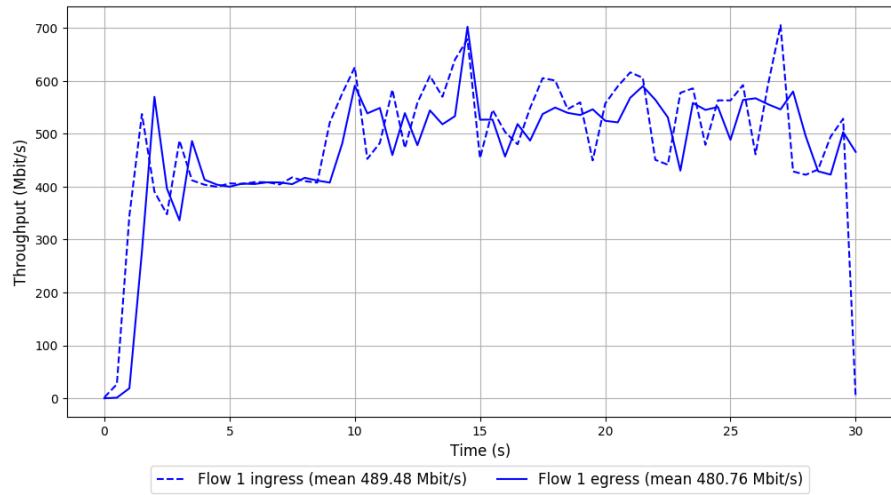


Run 7: Statistics of TCP BBR

```
Start at: 2018-08-11 16:55:38
End at: 2018-08-11 16:56:08
Local clock offset: -0.486 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-08-11 18:46:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 480.76 Mbit/s
95th percentile per-packet one-way delay: 149.054 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 480.76 Mbit/s
95th percentile per-packet one-way delay: 149.054 ms
Loss rate: 2.18%
```

Run 7: Report of TCP BBR — Data Link

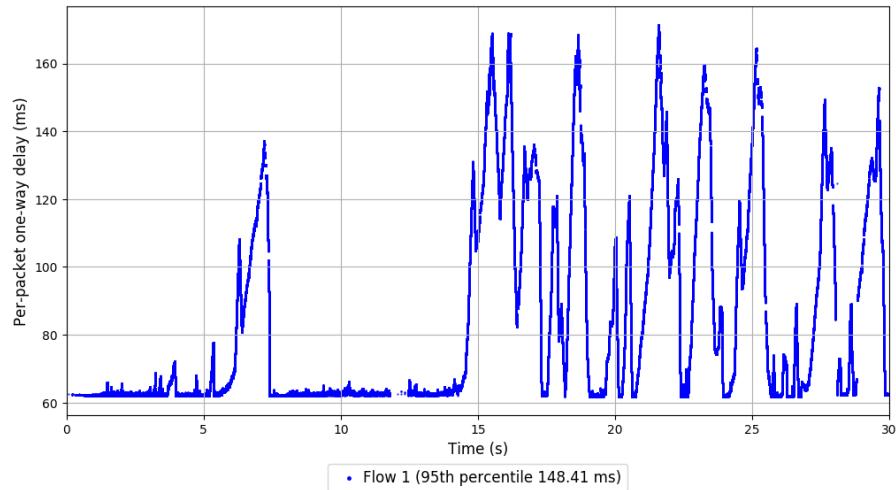
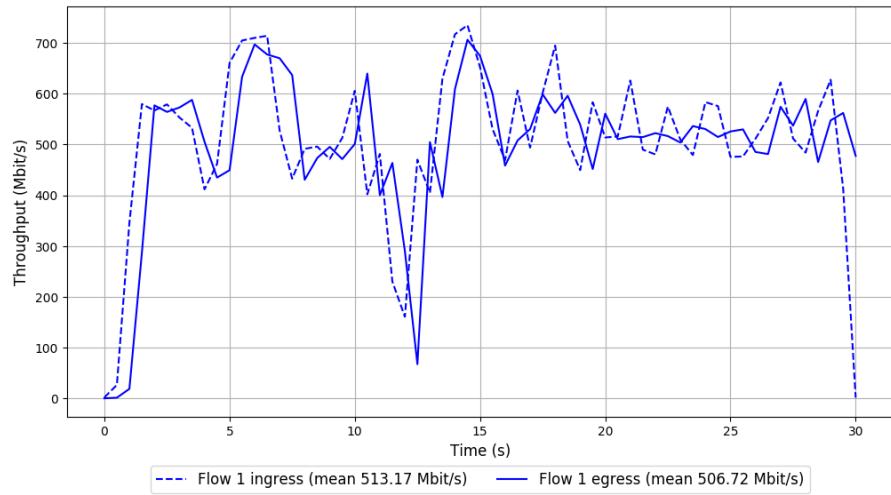


Run 8: Statistics of TCP BBR

```
Start at: 2018-08-11 17:18:47
End at: 2018-08-11 17:19:17
Local clock offset: 0.243 ms
Remote clock offset: -0.998 ms

# Below is generated by plot.py at 2018-08-11 18:46:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 506.72 Mbit/s
95th percentile per-packet one-way delay: 148.406 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 506.72 Mbit/s
95th percentile per-packet one-way delay: 148.406 ms
Loss rate: 1.66%
```

Run 8: Report of TCP BBR — Data Link

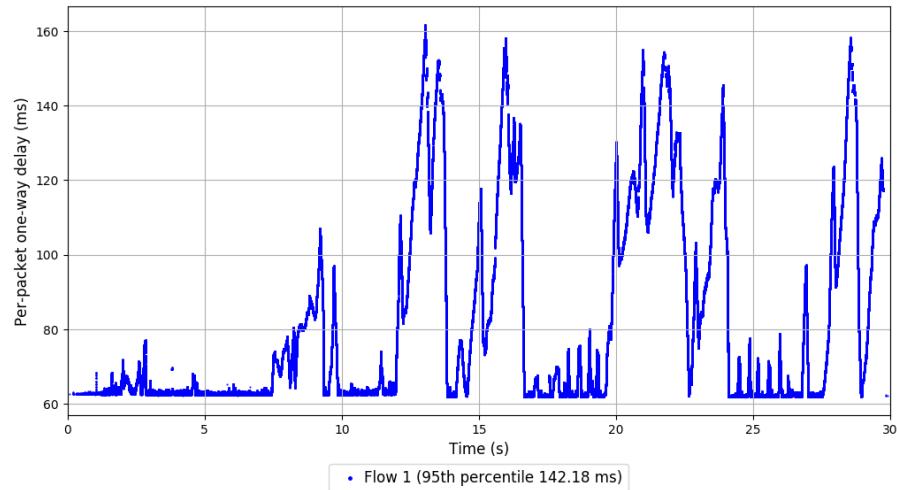
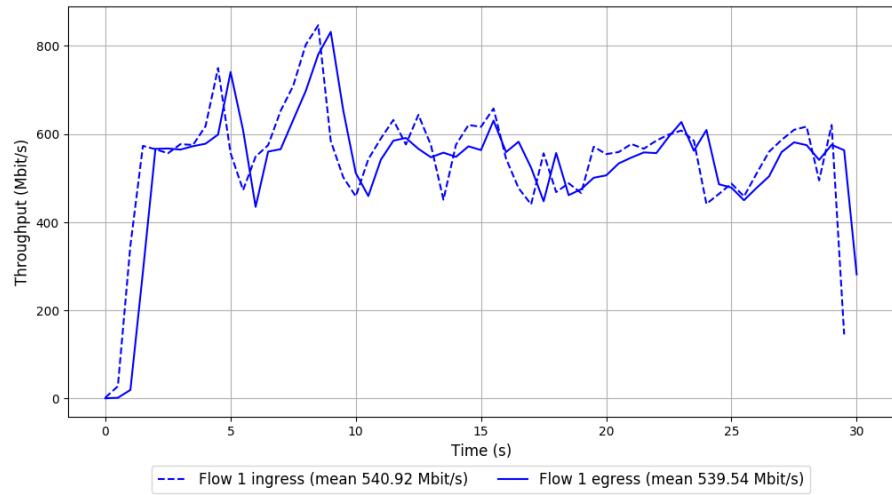


Run 9: Statistics of TCP BBR

```
Start at: 2018-08-11 17:41:42
End at: 2018-08-11 17:42:12
Local clock offset: 0.487 ms
Remote clock offset: -1.254 ms

# Below is generated by plot.py at 2018-08-11 18:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 539.54 Mbit/s
95th percentile per-packet one-way delay: 142.175 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 539.54 Mbit/s
95th percentile per-packet one-way delay: 142.175 ms
Loss rate: 0.66%
```

Run 9: Report of TCP BBR — Data Link

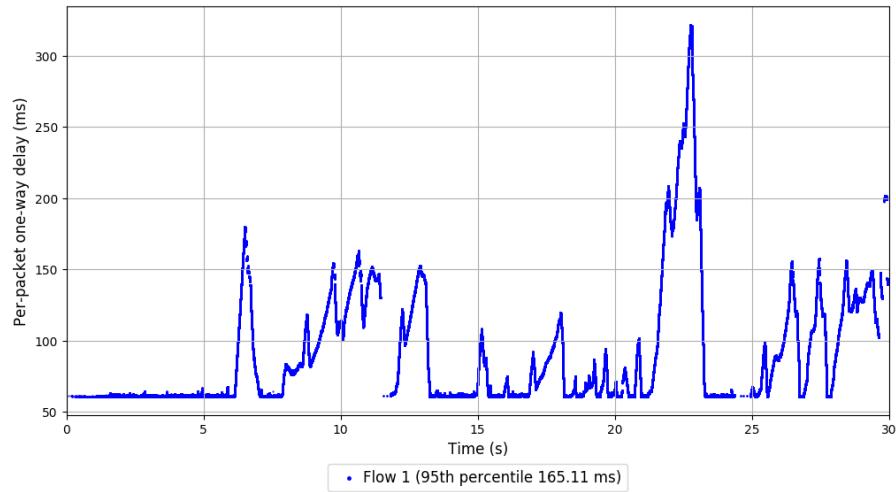
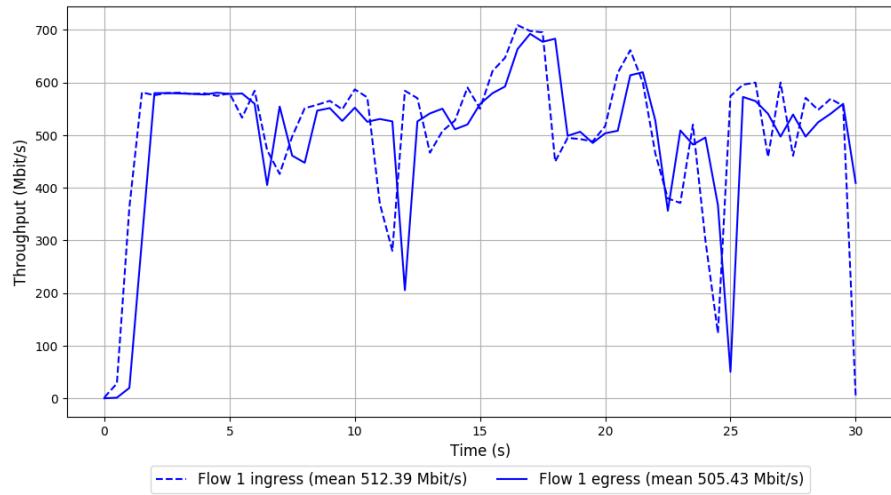


Run 10: Statistics of TCP BBR

```
Start at: 2018-08-11 18:04:39
End at: 2018-08-11 18:05:09
Local clock offset: 0.769 ms
Remote clock offset: 0.17 ms

# Below is generated by plot.py at 2018-08-11 18:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 505.43 Mbit/s
95th percentile per-packet one-way delay: 165.109 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 505.43 Mbit/s
95th percentile per-packet one-way delay: 165.109 ms
Loss rate: 1.76%
```

Run 10: Report of TCP BBR — Data Link

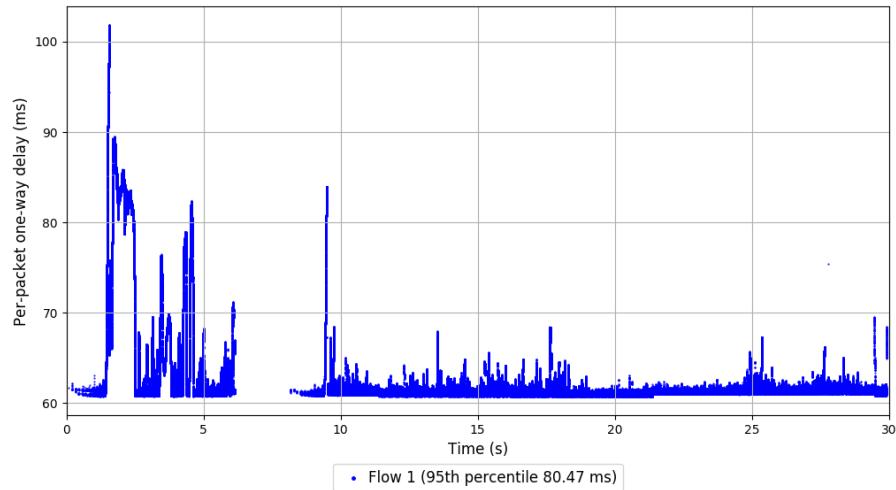
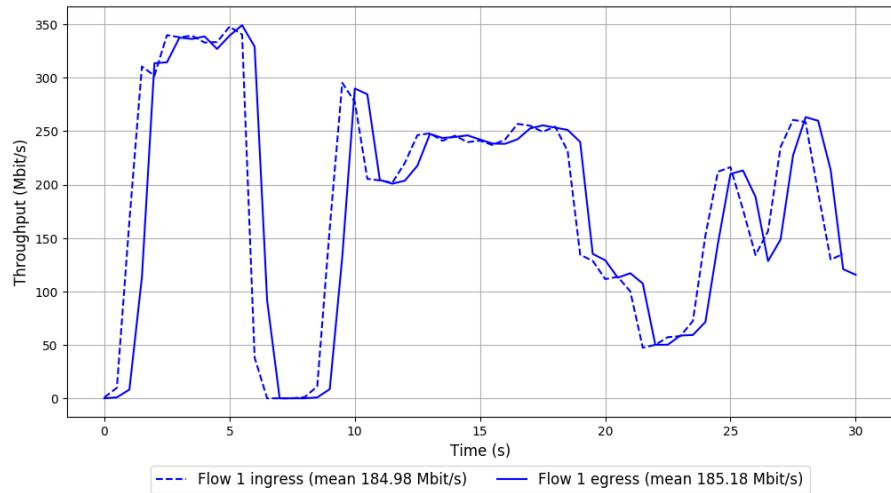


Run 1: Statistics of Copa

```
Start at: 2018-08-11 14:47:15
End at: 2018-08-11 14:47:45
Local clock offset: -0.435 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-08-11 18:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.18 Mbit/s
95th percentile per-packet one-way delay: 80.469 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 185.18 Mbit/s
95th percentile per-packet one-way delay: 80.469 ms
Loss rate: 0.30%
```

Run 1: Report of Copa — Data Link

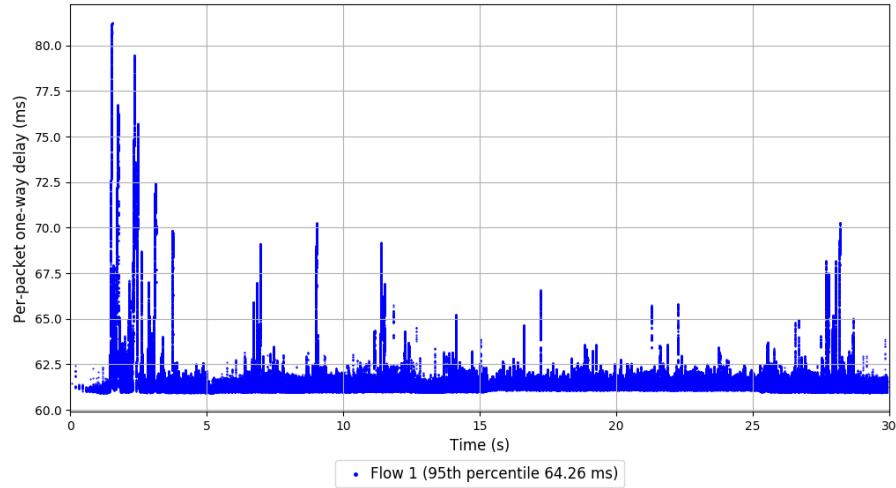
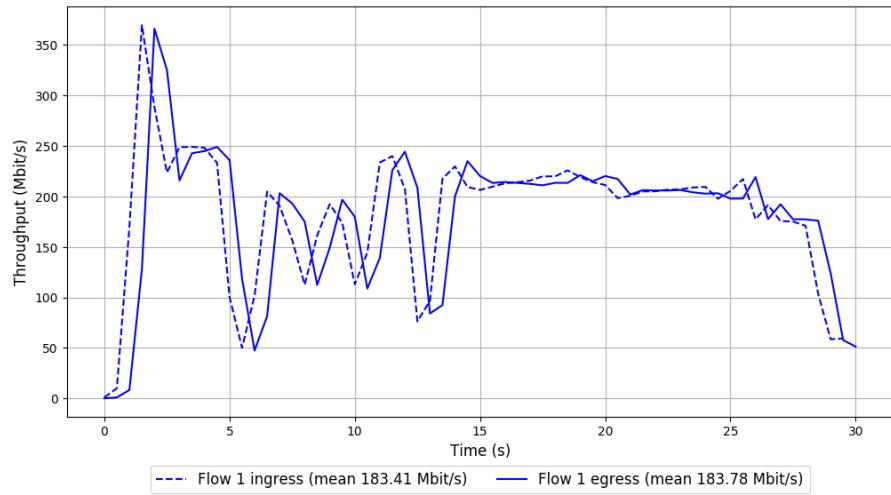


Run 2: Statistics of Copa

```
Start at: 2018-08-11 15:09:59
End at: 2018-08-11 15:10:29
Local clock offset: -0.484 ms
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2018-08-11 18:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.78 Mbit/s
95th percentile per-packet one-way delay: 64.258 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 183.78 Mbit/s
95th percentile per-packet one-way delay: 64.258 ms
Loss rate: 0.14%
```

Run 2: Report of Copa — Data Link

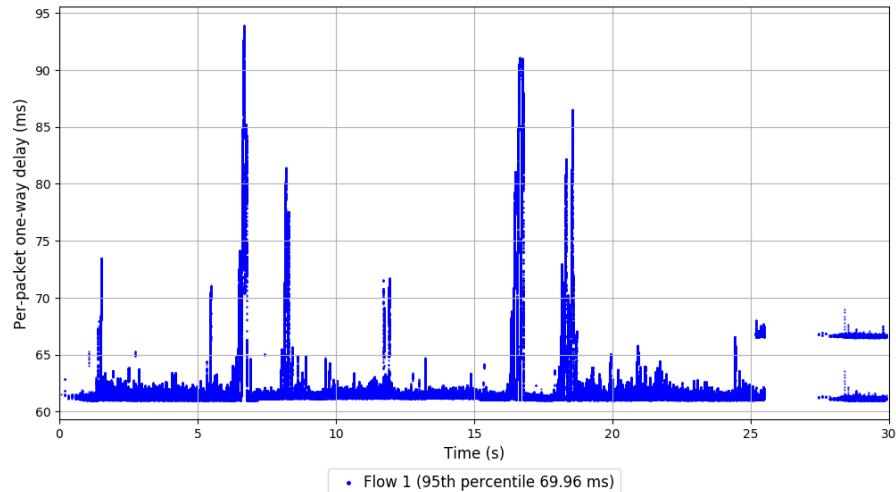
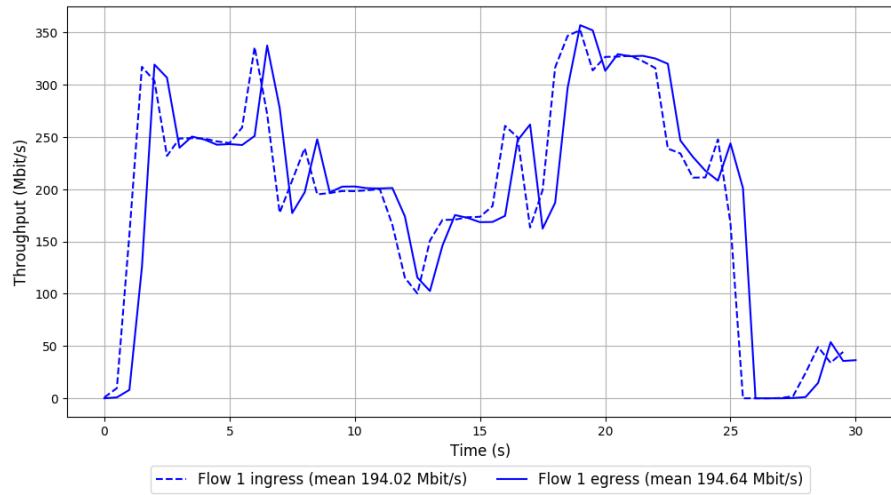


Run 3: Statistics of Copa

```
Start at: 2018-08-11 15:32:49
End at: 2018-08-11 15:33:19
Local clock offset: -0.485 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-08-11 18:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.64 Mbit/s
95th percentile per-packet one-way delay: 69.963 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 194.64 Mbit/s
95th percentile per-packet one-way delay: 69.963 ms
Loss rate: 0.10%
```

Run 3: Report of Copa — Data Link

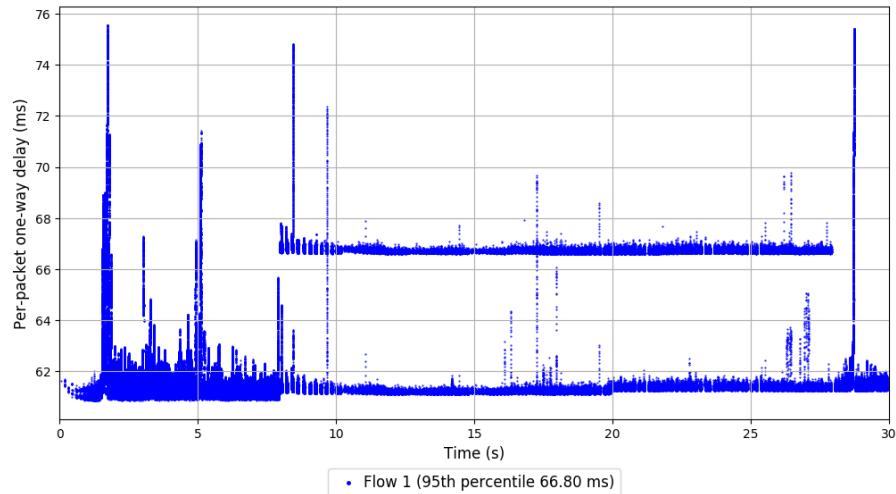
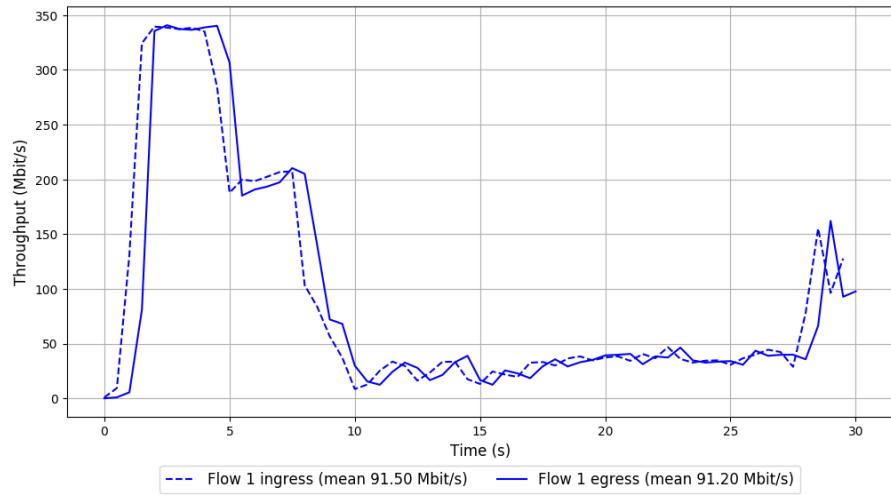


Run 4: Statistics of Copa

```
Start at: 2018-08-11 15:55:47
End at: 2018-08-11 15:56:17
Local clock offset: -0.573 ms
Remote clock offset: -0.291 ms

# Below is generated by plot.py at 2018-08-11 18:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 66.804 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 66.804 ms
Loss rate: 0.75%
```

Run 4: Report of Copa — Data Link

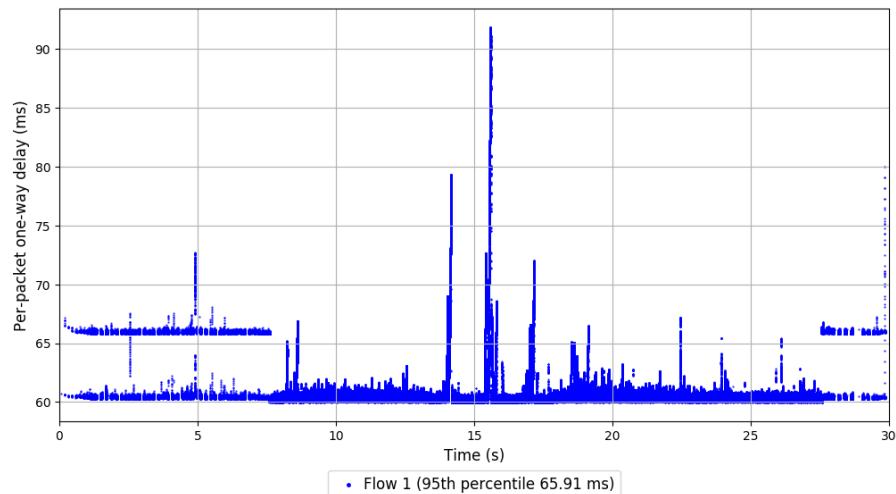
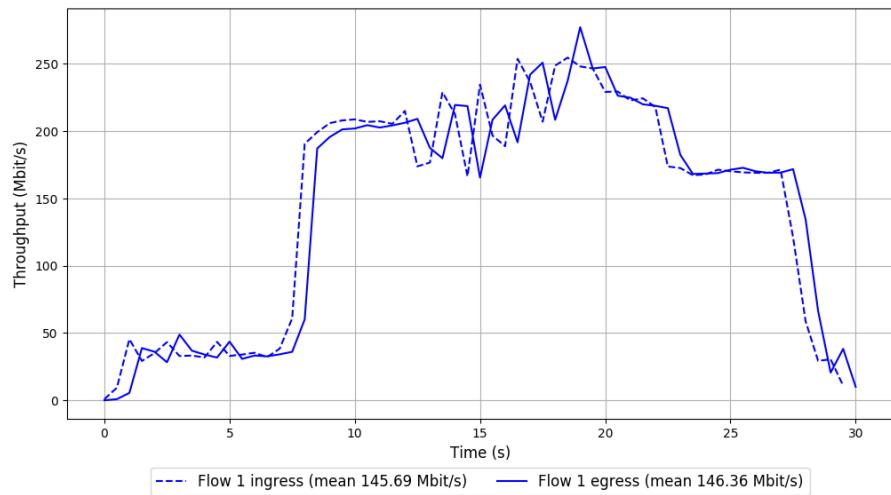


Run 5: Statistics of Copa

```
Start at: 2018-08-11 16:17:57
End at: 2018-08-11 16:18:27
Local clock offset: -0.623 ms
Remote clock offset: 0.529 ms

# Below is generated by plot.py at 2018-08-11 18:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.36 Mbit/s
95th percentile per-packet one-way delay: 65.905 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 146.36 Mbit/s
95th percentile per-packet one-way delay: 65.905 ms
Loss rate: 0.02%
```

Run 5: Report of Copa — Data Link

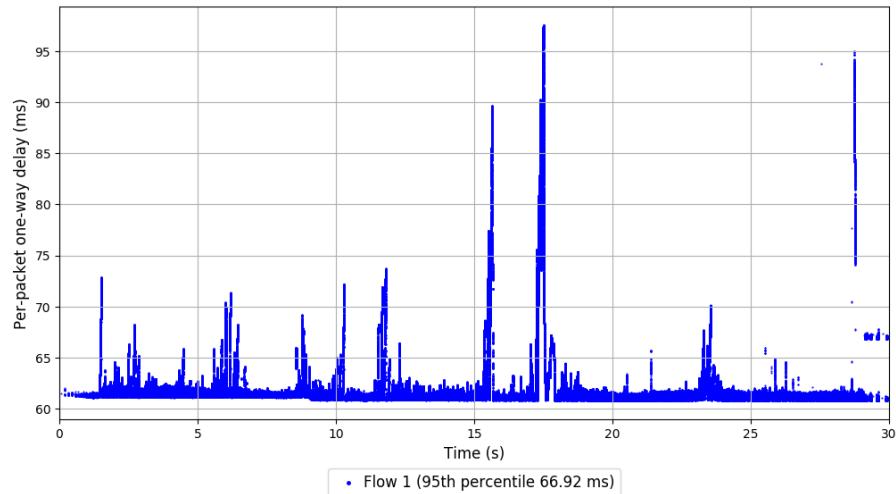
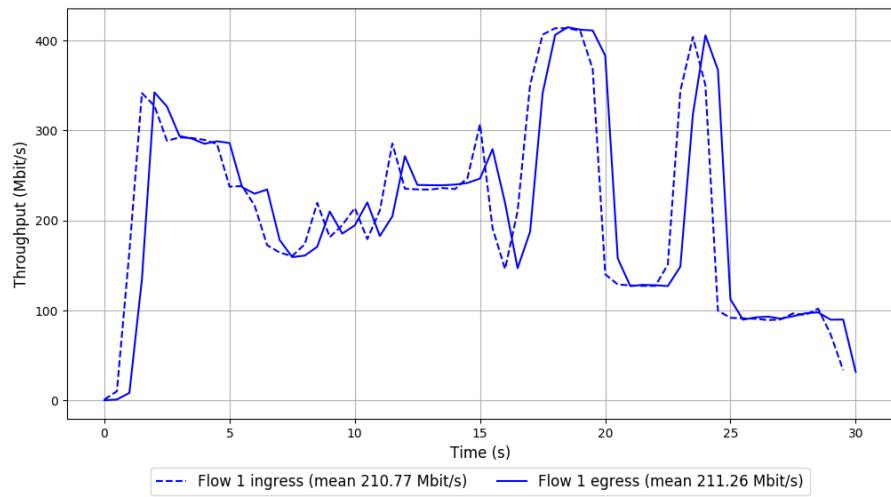


Run 6: Statistics of Copa

```
Start at: 2018-08-11 16:40:26
End at: 2018-08-11 16:40:56
Local clock offset: -0.746 ms
Remote clock offset: -0.25 ms

# Below is generated by plot.py at 2018-08-11 18:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.26 Mbit/s
95th percentile per-packet one-way delay: 66.916 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 211.26 Mbit/s
95th percentile per-packet one-way delay: 66.916 ms
Loss rate: 0.05%
```

Run 6: Report of Copa — Data Link

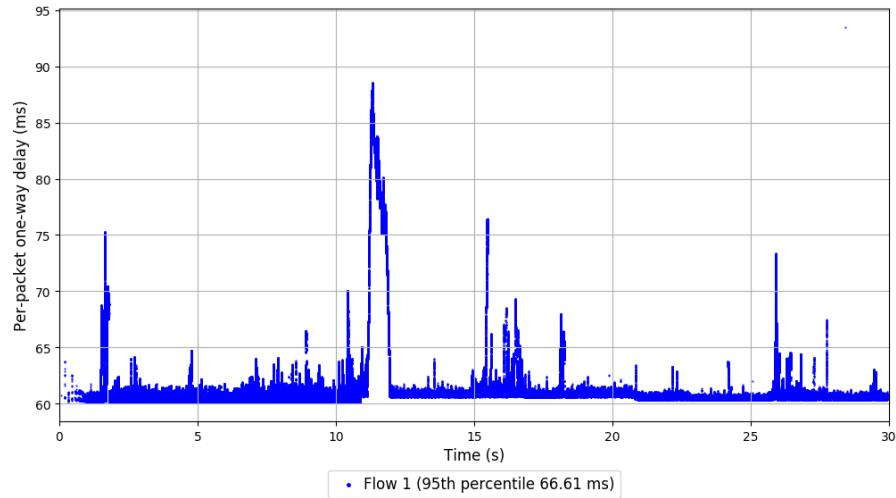
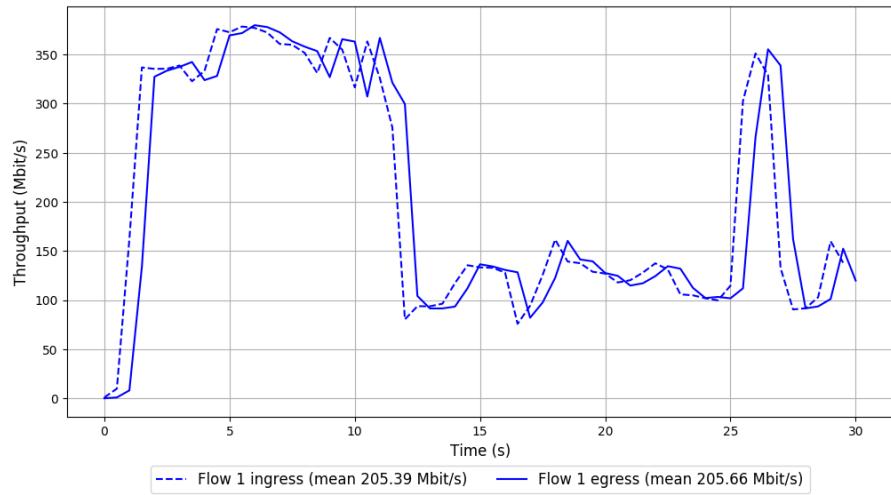


Run 7: Statistics of Copa

```
Start at: 2018-08-11 17:03:34
End at: 2018-08-11 17:04:04
Local clock offset: -0.094 ms
Remote clock offset: 0.461 ms

# Below is generated by plot.py at 2018-08-11 18:56:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.66 Mbit/s
95th percentile per-packet one-way delay: 66.608 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 205.66 Mbit/s
95th percentile per-packet one-way delay: 66.608 ms
Loss rate: 0.28%
```

Run 7: Report of Copa — Data Link

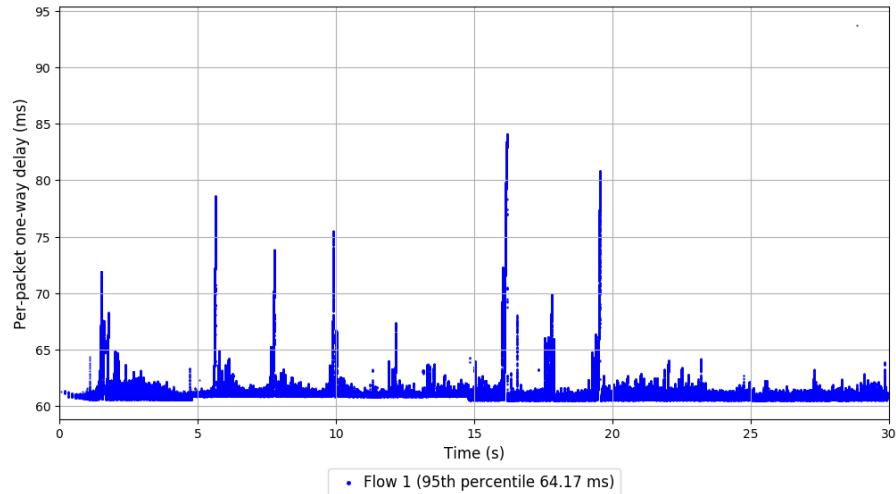
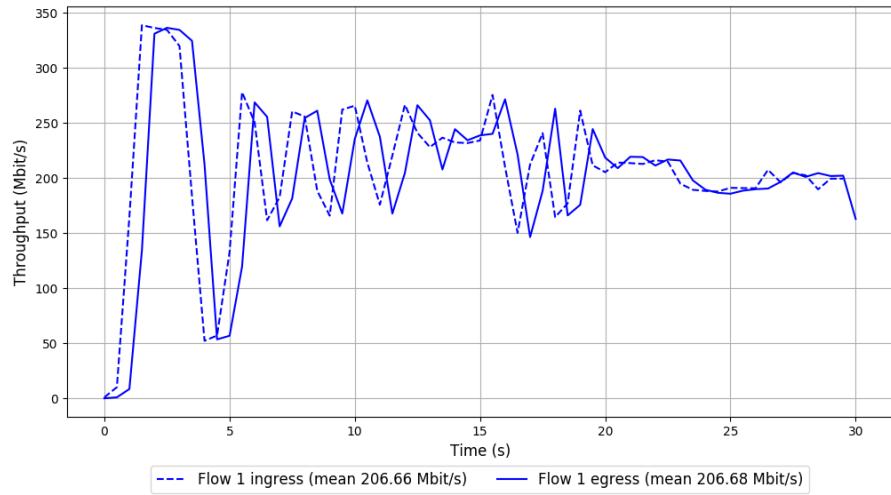


Run 8: Statistics of Copa

```
Start at: 2018-08-11 17:26:40
End at: 2018-08-11 17:27:10
Local clock offset: 0.352 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2018-08-11 18:58:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.68 Mbit/s
95th percentile per-packet one-way delay: 64.169 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 206.68 Mbit/s
95th percentile per-packet one-way delay: 64.169 ms
Loss rate: 0.40%
```

Run 8: Report of Copa — Data Link

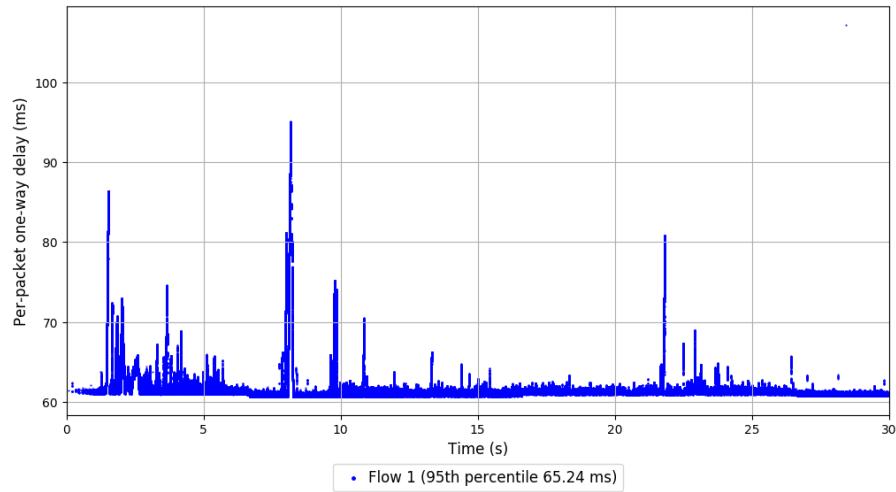
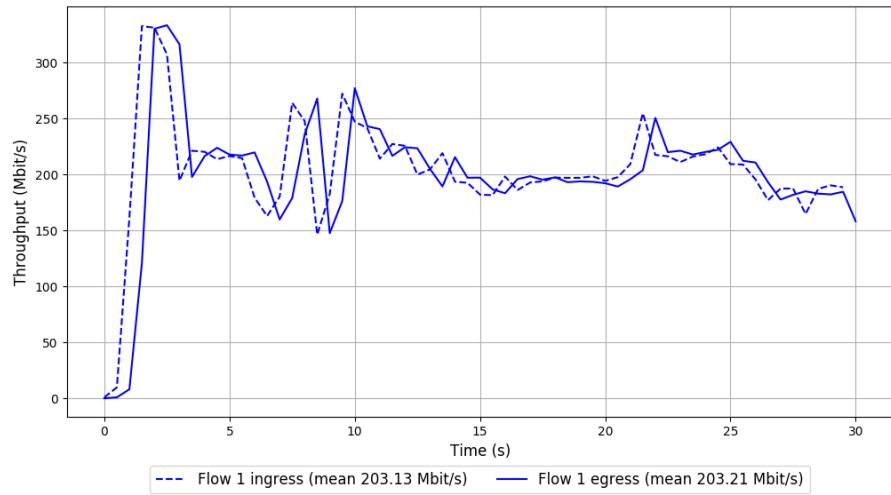


Run 9: Statistics of Copa

```
Start at: 2018-08-11 17:49:38
End at: 2018-08-11 17:50:08
Local clock offset: 0.563 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-08-11 18:58:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.21 Mbit/s
95th percentile per-packet one-way delay: 65.238 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 203.21 Mbit/s
95th percentile per-packet one-way delay: 65.238 ms
Loss rate: 0.37%
```

Run 9: Report of Copa — Data Link

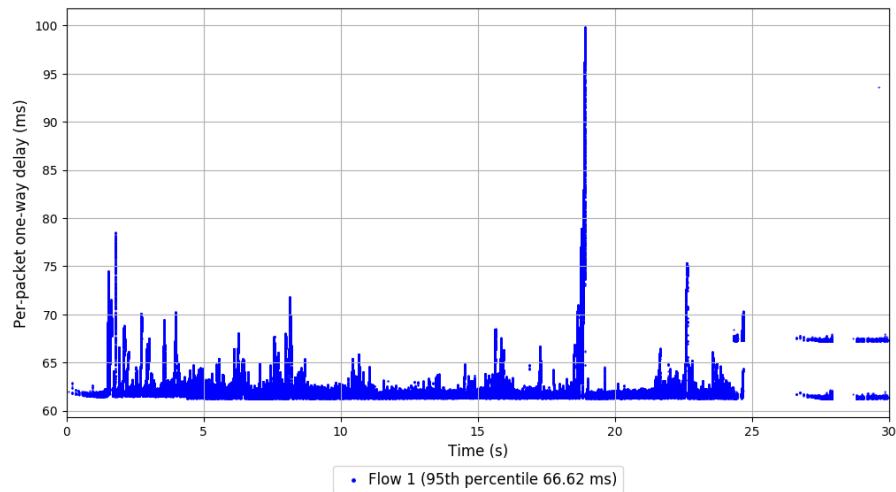
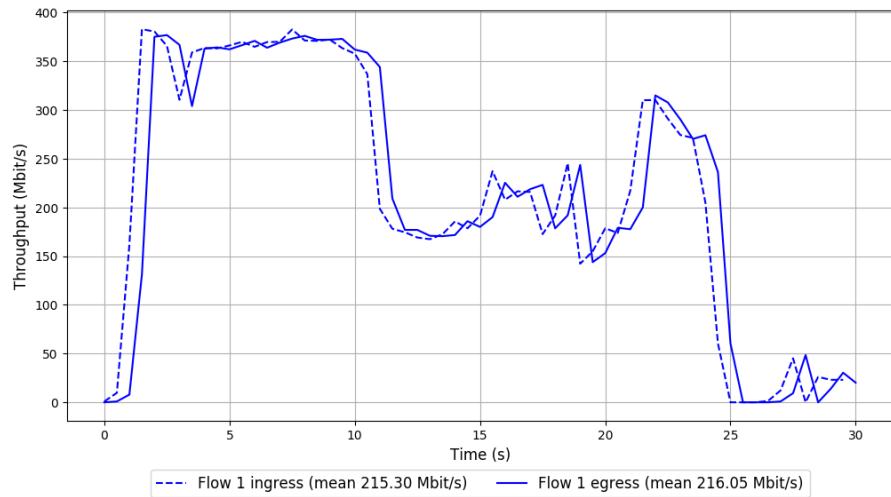


Run 10: Statistics of Copa

```
Start at: 2018-08-11 18:12:30
End at: 2018-08-11 18:13:00
Local clock offset: 0.671 ms
Remote clock offset: -0.733 ms

# Below is generated by plot.py at 2018-08-11 18:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.05 Mbit/s
95th percentile per-packet one-way delay: 66.622 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 216.05 Mbit/s
95th percentile per-packet one-way delay: 66.622 ms
Loss rate: 0.06%
```

Run 10: Report of Copa — Data Link

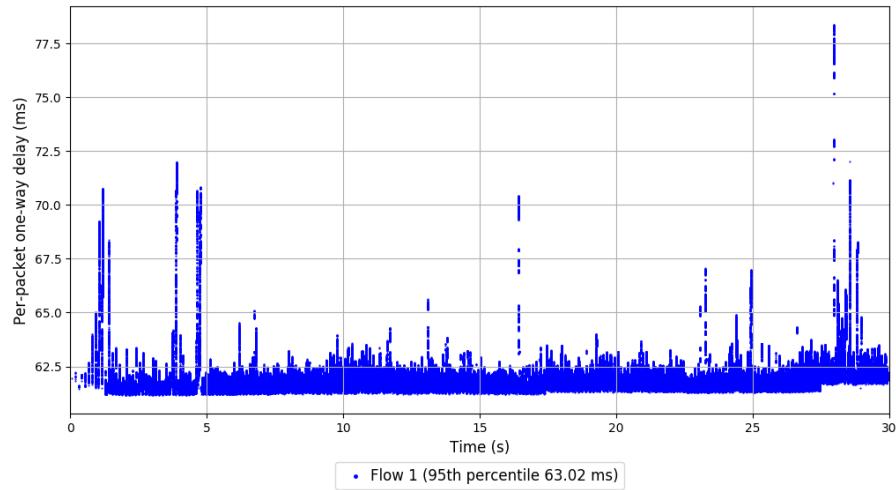
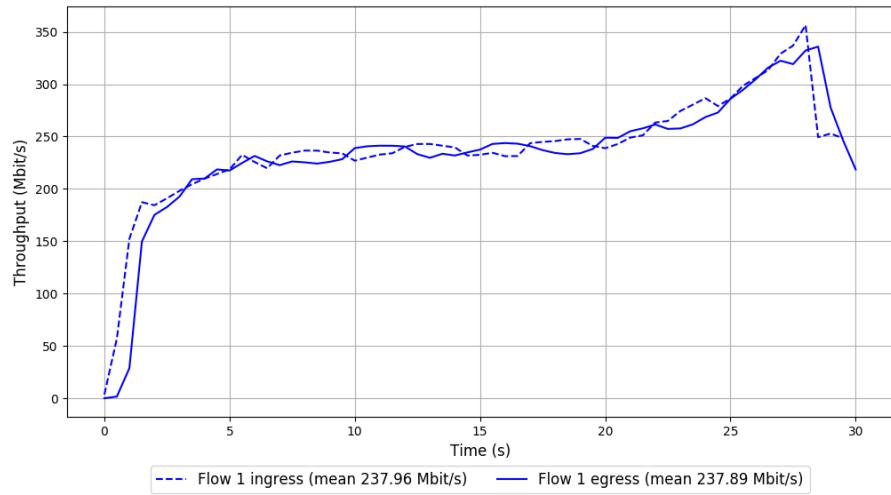


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-08-11 14:52:27
End at: 2018-08-11 14:52:57
Local clock offset: -0.455 ms
Remote clock offset: -0.579 ms

# Below is generated by plot.py at 2018-08-11 18:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.89 Mbit/s
95th percentile per-packet one-way delay: 63.021 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 237.89 Mbit/s
95th percentile per-packet one-way delay: 63.021 ms
Loss rate: 0.43%
```

Run 1: Report of TCP Cubic — Data Link

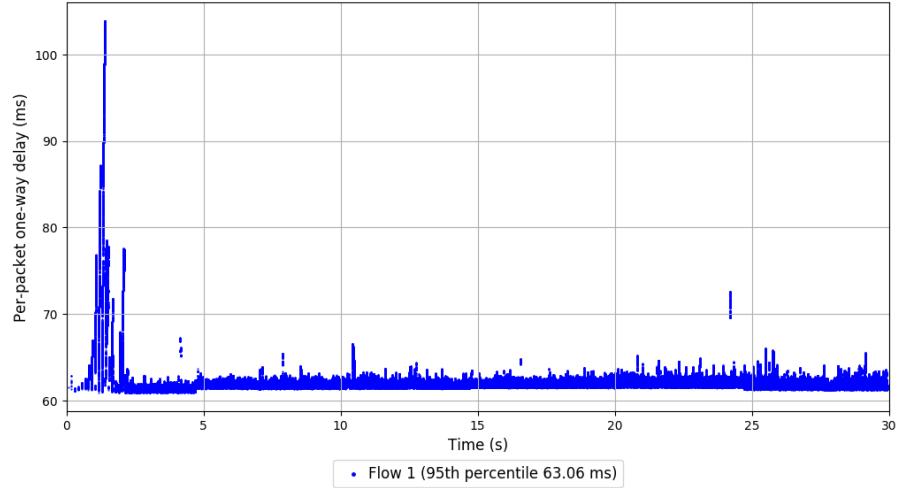
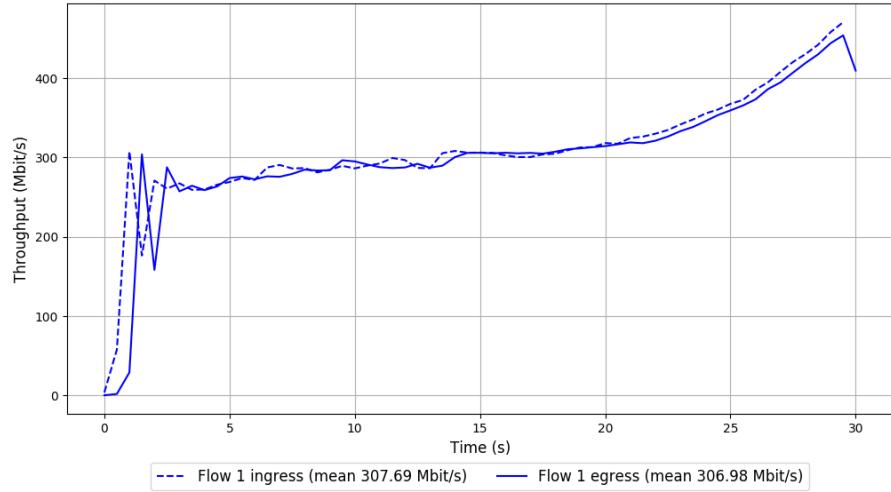


Run 2: Statistics of TCP Cubic

```
Start at: 2018-08-11 15:15:10
End at: 2018-08-11 15:15:40
Local clock offset: -0.517 ms
Remote clock offset: -0.283 ms

# Below is generated by plot.py at 2018-08-11 18:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 306.98 Mbit/s
95th percentile per-packet one-way delay: 63.060 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 306.98 Mbit/s
95th percentile per-packet one-way delay: 63.060 ms
Loss rate: 0.64%
```

Run 2: Report of TCP Cubic — Data Link

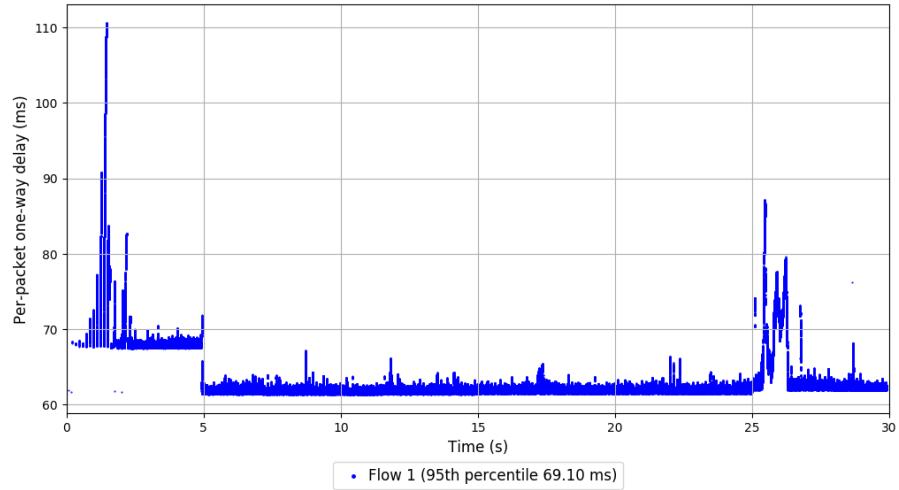
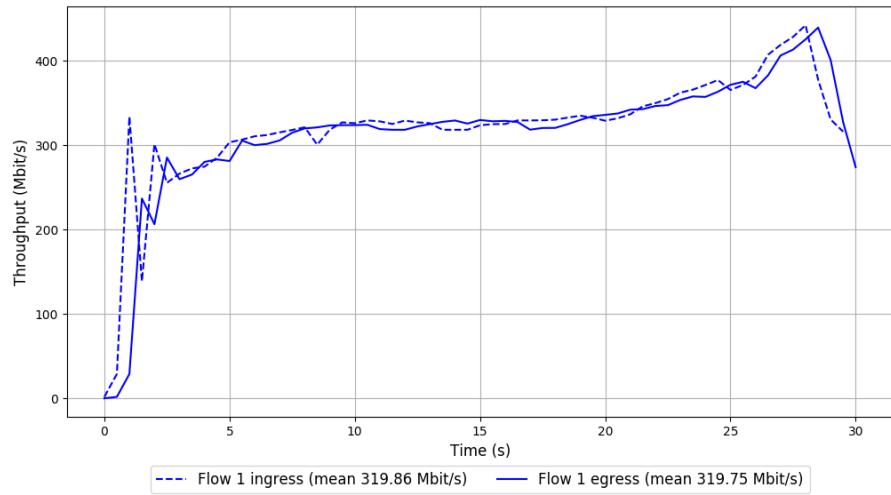


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2018-08-11 15:38:10
End at: 2018-08-11 15:38:40
Local clock offset: -0.551 ms
Remote clock offset: -0.738 ms

# Below is generated by plot.py at 2018-08-11 19:00:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 319.75 Mbit/s
95th percentile per-packet one-way delay: 69.102 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 319.75 Mbit/s
95th percentile per-packet one-way delay: 69.102 ms
Loss rate: 0.44%
```

Run 3: Report of TCP Cubic — Data Link

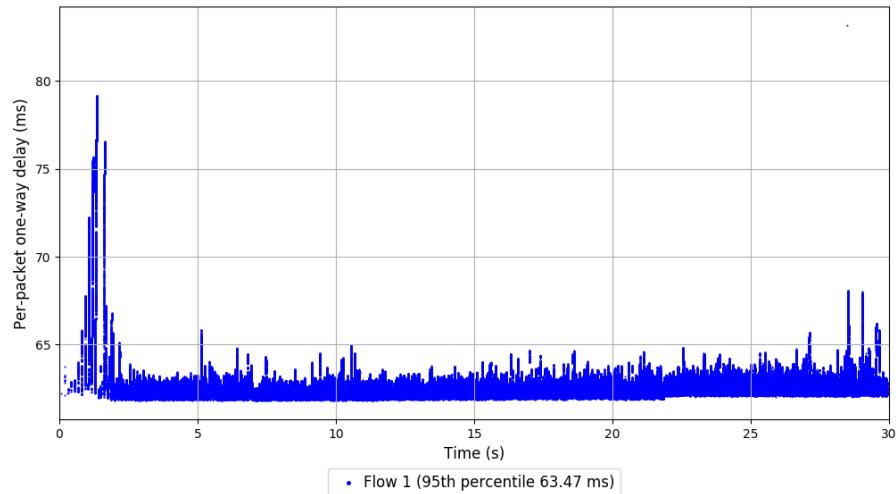
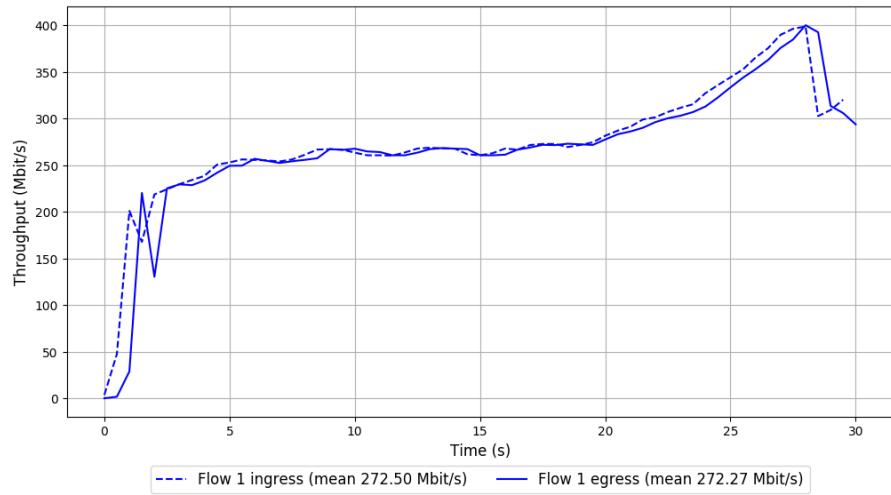


Run 4: Statistics of TCP Cubic

```
Start at: 2018-08-11 16:00:43
End at: 2018-08-11 16:01:13
Local clock offset: -0.622 ms
Remote clock offset: -1.005 ms

# Below is generated by plot.py at 2018-08-11 19:00:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.27 Mbit/s
95th percentile per-packet one-way delay: 63.471 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 272.27 Mbit/s
95th percentile per-packet one-way delay: 63.471 ms
Loss rate: 0.49%
```

Run 4: Report of TCP Cubic — Data Link

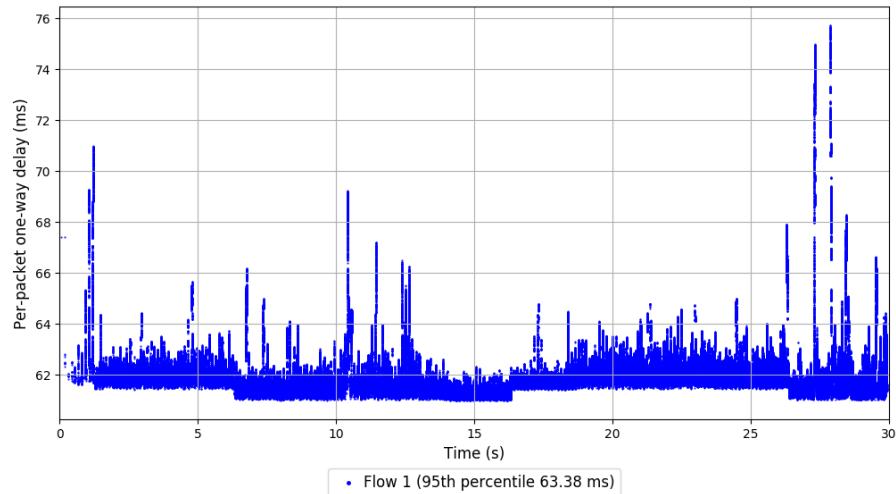
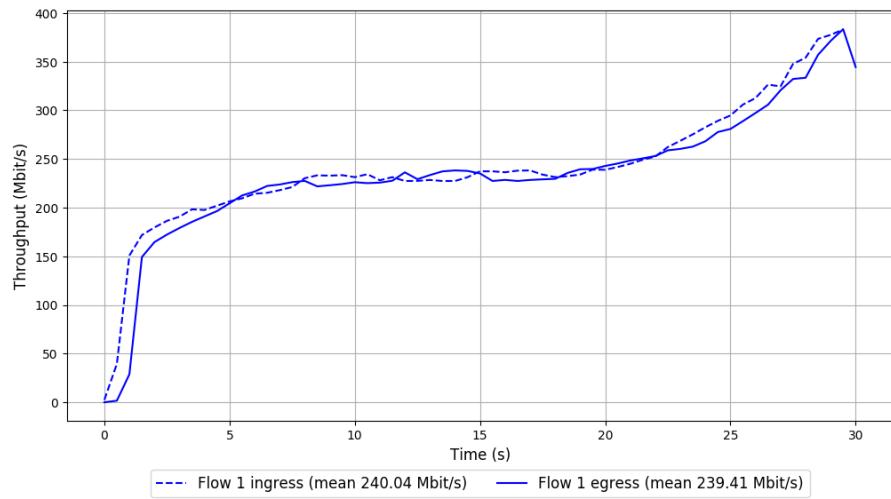


Run 5: Statistics of TCP Cubic

```
Start at: 2018-08-11 16:23:08
End at: 2018-08-11 16:23:38
Local clock offset: -0.614 ms
Remote clock offset: -0.36 ms

# Below is generated by plot.py at 2018-08-11 19:00:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.41 Mbit/s
95th percentile per-packet one-way delay: 63.376 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 239.41 Mbit/s
95th percentile per-packet one-way delay: 63.376 ms
Loss rate: 0.69%
```

Run 5: Report of TCP Cubic — Data Link

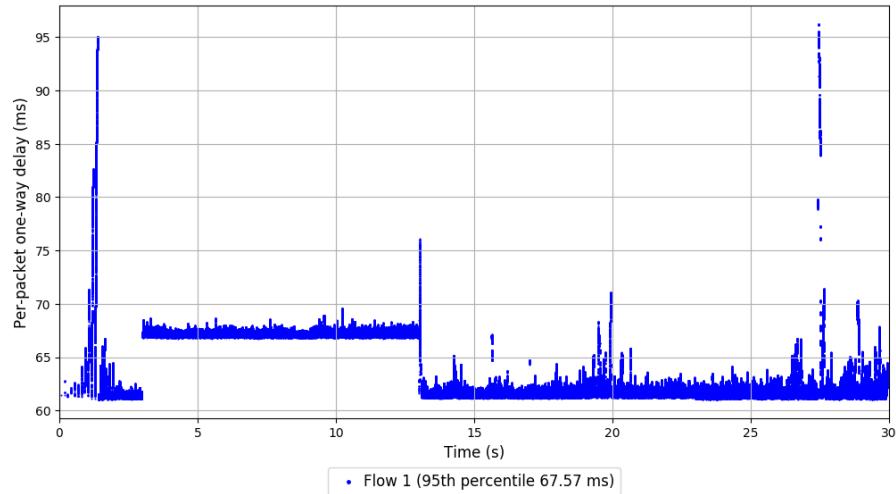
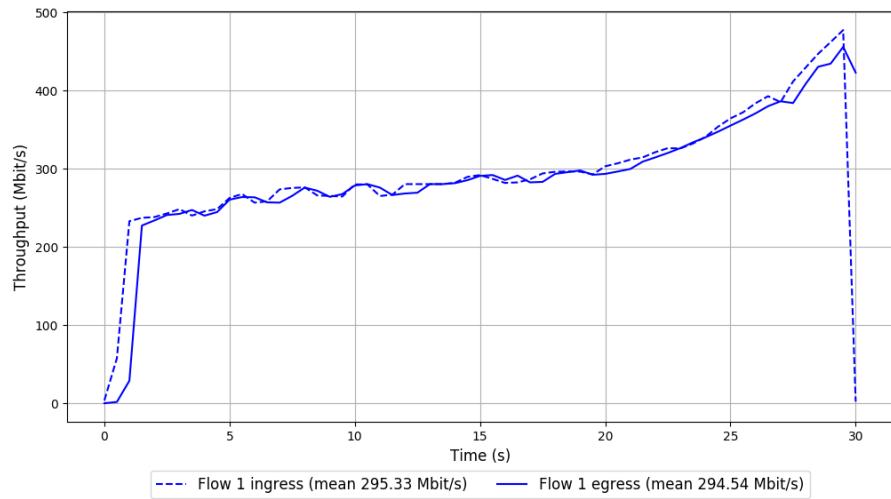


Run 6: Statistics of TCP Cubic

```
Start at: 2018-08-11 16:45:42
End at: 2018-08-11 16:46:12
Local clock offset: -0.752 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-08-11 19:02:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.54 Mbit/s
95th percentile per-packet one-way delay: 67.574 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 294.54 Mbit/s
95th percentile per-packet one-way delay: 67.574 ms
Loss rate: 0.67%
```

Run 6: Report of TCP Cubic — Data Link

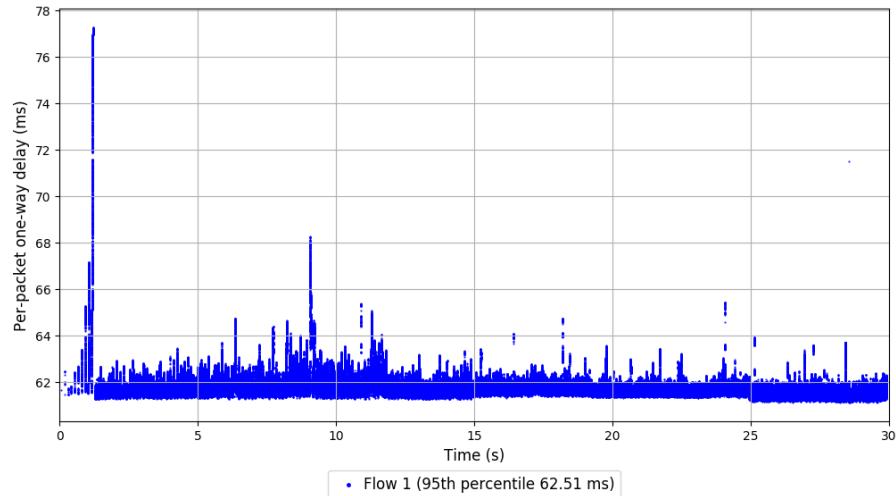
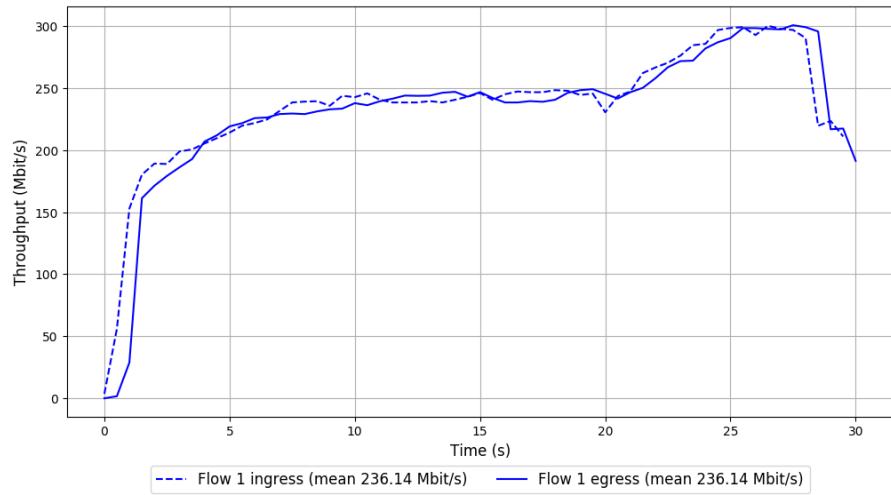


Run 7: Statistics of TCP Cubic

```
Start at: 2018-08-11 17:08:50
End at: 2018-08-11 17:09:20
Local clock offset: 0.061 ms
Remote clock offset: -0.378 ms

# Below is generated by plot.py at 2018-08-11 19:02:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.14 Mbit/s
95th percentile per-packet one-way delay: 62.508 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 236.14 Mbit/s
95th percentile per-packet one-way delay: 62.508 ms
Loss rate: 0.41%
```

Run 7: Report of TCP Cubic — Data Link

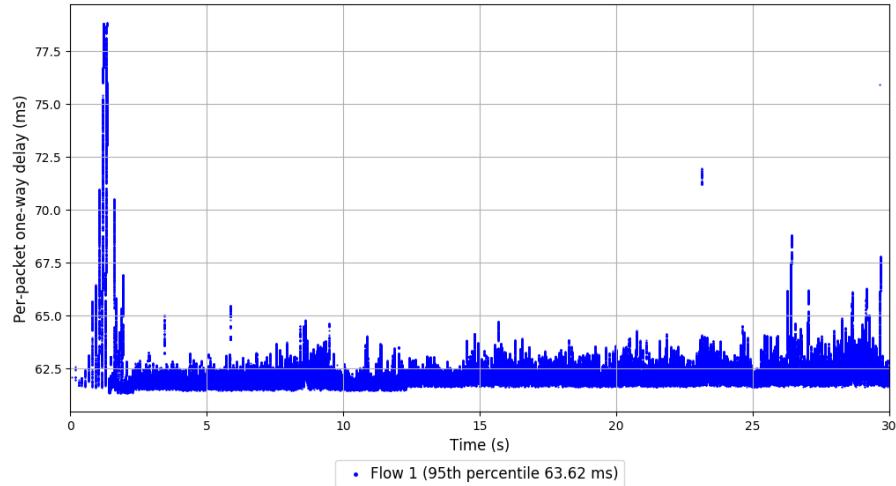
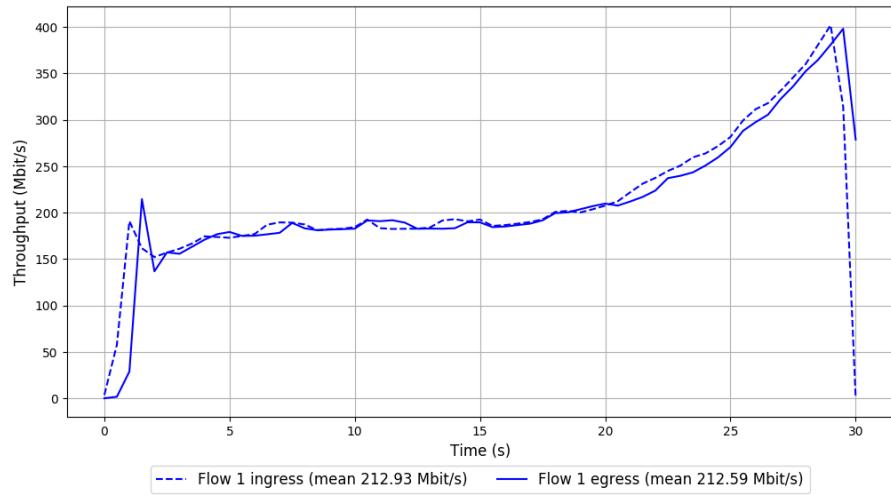


Run 8: Statistics of TCP Cubic

```
Start at: 2018-08-11 17:31:52
End at: 2018-08-11 17:32:22
Local clock offset: 0.452 ms
Remote clock offset: -0.626 ms

# Below is generated by plot.py at 2018-08-11 19:02:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.59 Mbit/s
95th percentile per-packet one-way delay: 63.619 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 212.59 Mbit/s
95th percentile per-packet one-way delay: 63.619 ms
Loss rate: 0.56%
```

Run 8: Report of TCP Cubic — Data Link

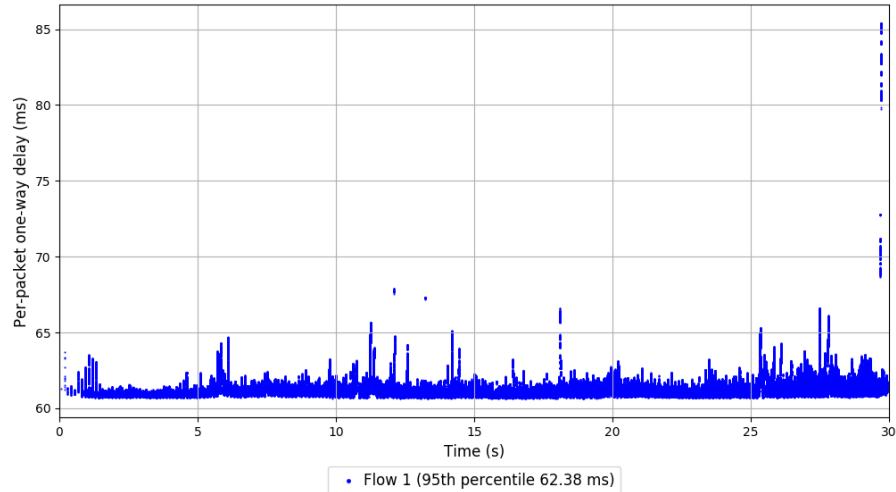
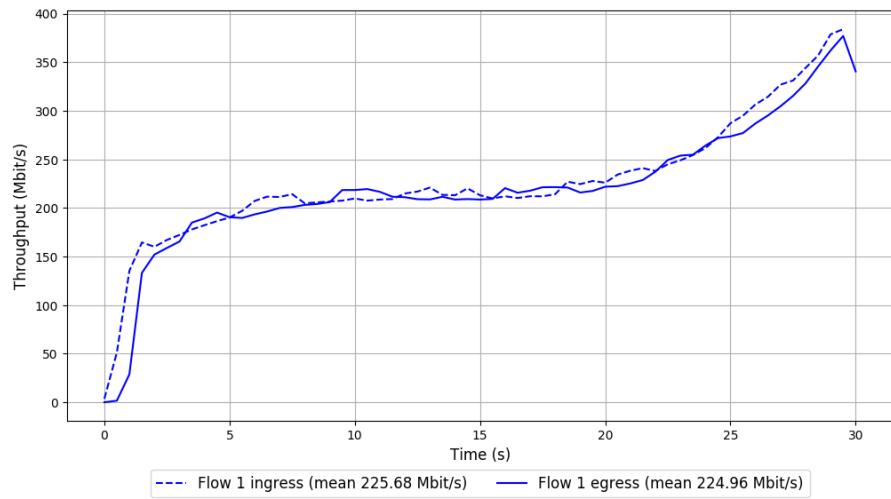


Run 9: Statistics of TCP Cubic

```
Start at: 2018-08-11 17:54:55
End at: 2018-08-11 17:55:25
Local clock offset: 0.652 ms
Remote clock offset: 0.108 ms

# Below is generated by plot.py at 2018-08-11 19:02:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.96 Mbit/s
95th percentile per-packet one-way delay: 62.383 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 224.96 Mbit/s
95th percentile per-packet one-way delay: 62.383 ms
Loss rate: 0.72%
```

Run 9: Report of TCP Cubic — Data Link

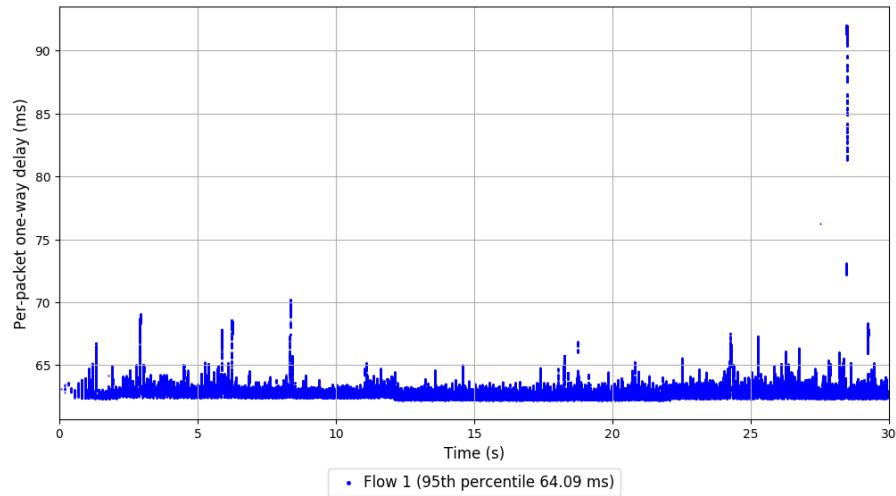
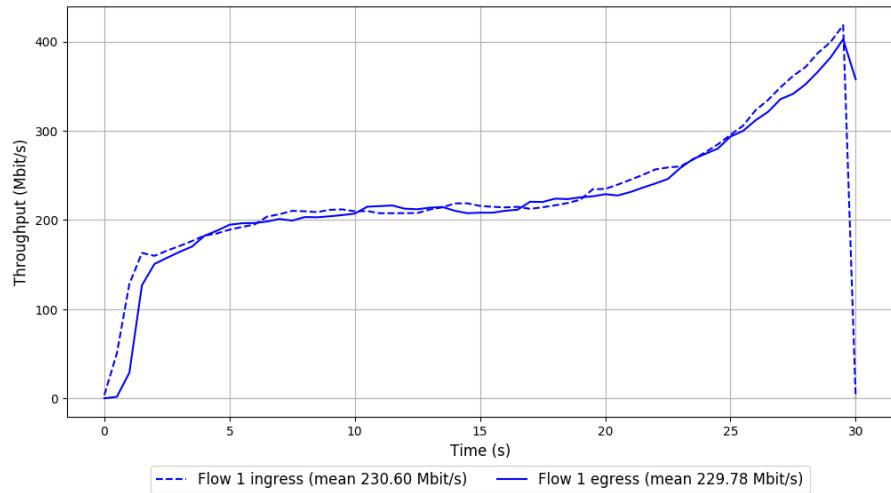


Run 10: Statistics of TCP Cubic

```
Start at: 2018-08-11 18:17:43
End at: 2018-08-11 18:18:13
Local clock offset: 0.871 ms
Remote clock offset: -1.506 ms

# Below is generated by plot.py at 2018-08-11 19:03:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.78 Mbit/s
95th percentile per-packet one-way delay: 64.093 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 229.78 Mbit/s
95th percentile per-packet one-way delay: 64.093 ms
Loss rate: 0.76%
```

Run 10: Report of TCP Cubic — Data Link

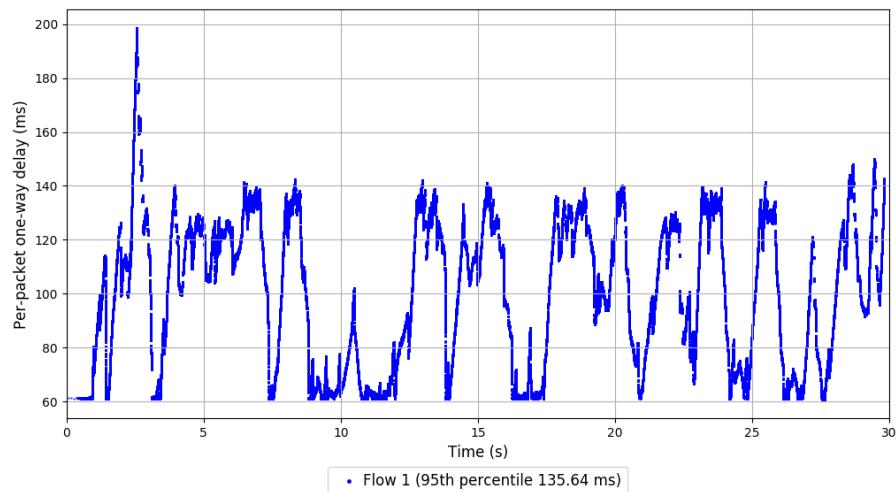
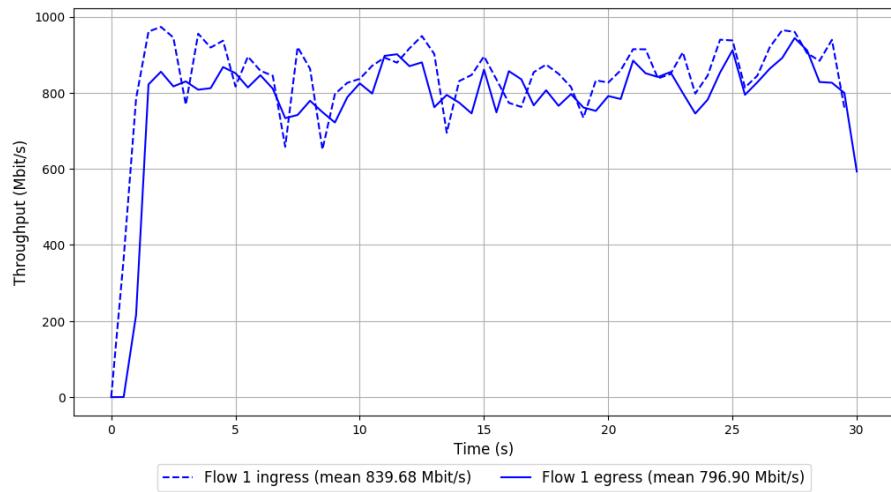


```
Run 1: Statistics of FillP

Start at: 2018-08-11 14:56:29
End at: 2018-08-11 14:56:59
Local clock offset: -0.47 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-08-11 19:17:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 796.90 Mbit/s
95th percentile per-packet one-way delay: 135.641 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 796.90 Mbit/s
95th percentile per-packet one-way delay: 135.641 ms
Loss rate: 5.50%
```

Run 1: Report of FillP — Data Link

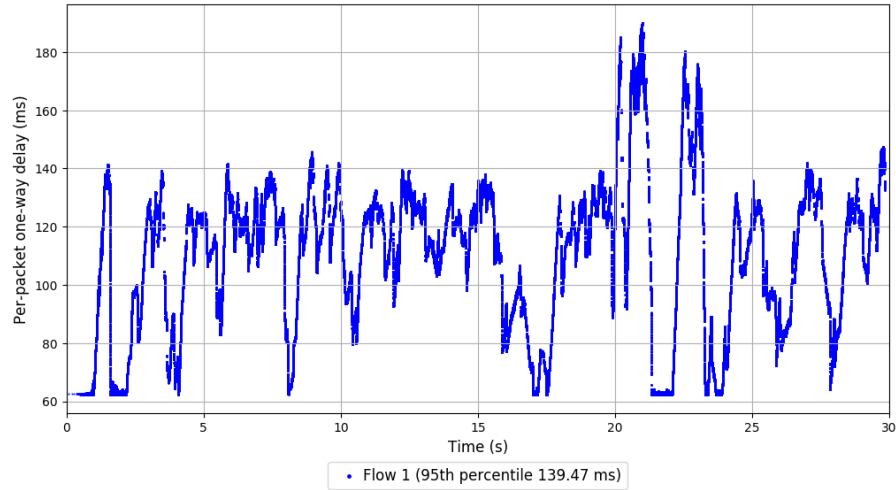
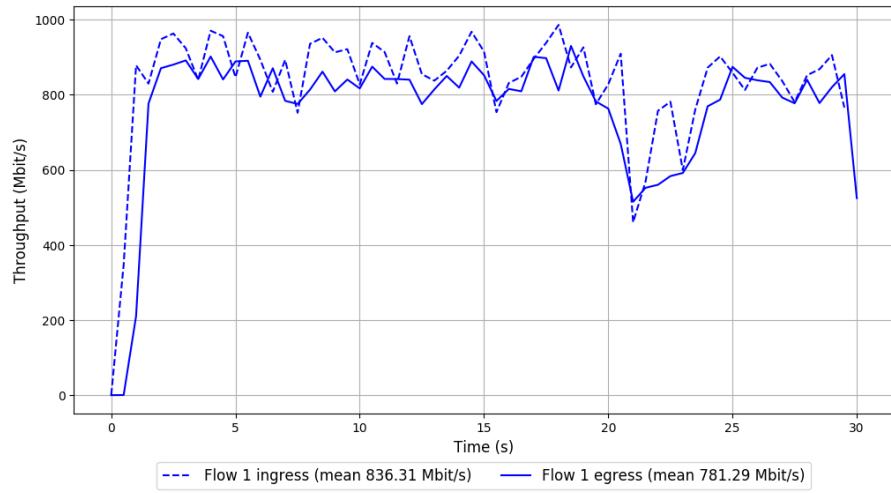


Run 2: Statistics of FillP

```
Start at: 2018-08-11 15:19:18
End at: 2018-08-11 15:19:48
Local clock offset: -0.474 ms
Remote clock offset: -1.418 ms

# Below is generated by plot.py at 2018-08-11 19:17:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 781.29 Mbit/s
95th percentile per-packet one-way delay: 139.470 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 781.29 Mbit/s
95th percentile per-packet one-way delay: 139.470 ms
Loss rate: 6.98%
```

Run 2: Report of FillP — Data Link

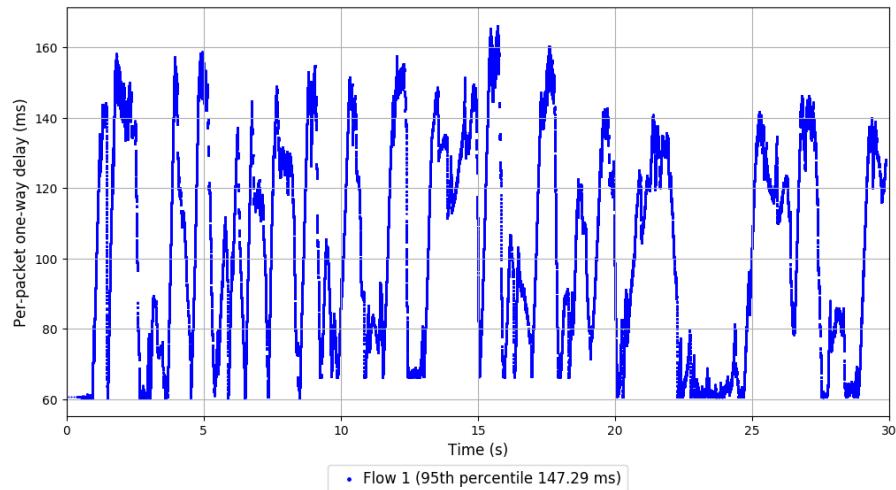
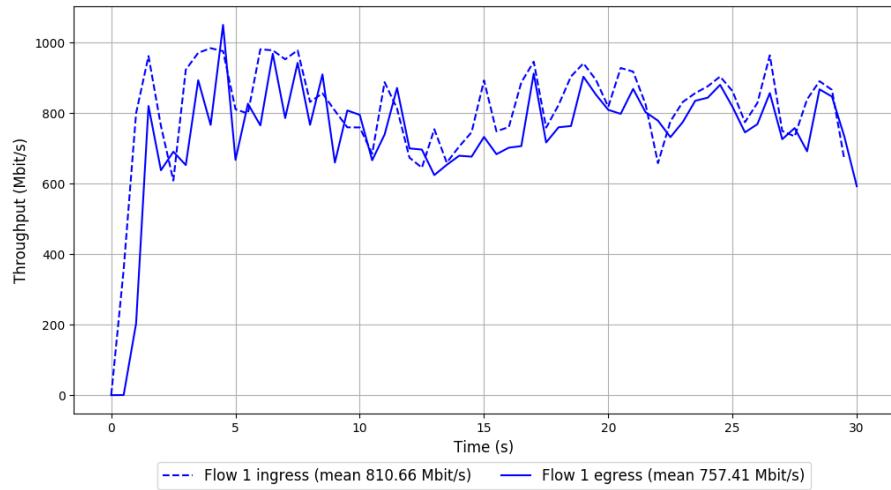


Run 3: Statistics of FillP

```
Start at: 2018-08-11 15:42:18
End at: 2018-08-11 15:42:48
Local clock offset: -0.545 ms
Remote clock offset: 0.239 ms

# Below is generated by plot.py at 2018-08-11 19:17:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 757.41 Mbit/s
95th percentile per-packet one-way delay: 147.291 ms
Loss rate: 6.95%
-- Flow 1:
Average throughput: 757.41 Mbit/s
95th percentile per-packet one-way delay: 147.291 ms
Loss rate: 6.95%
```

Run 3: Report of FillP — Data Link

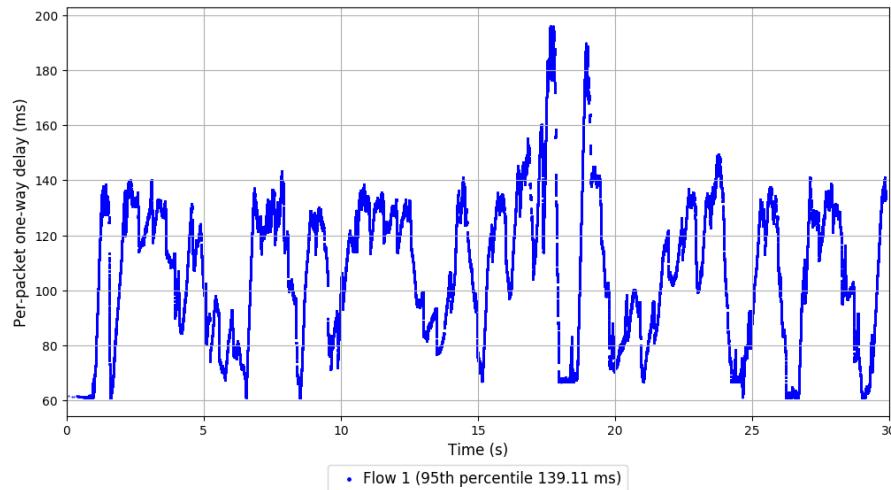
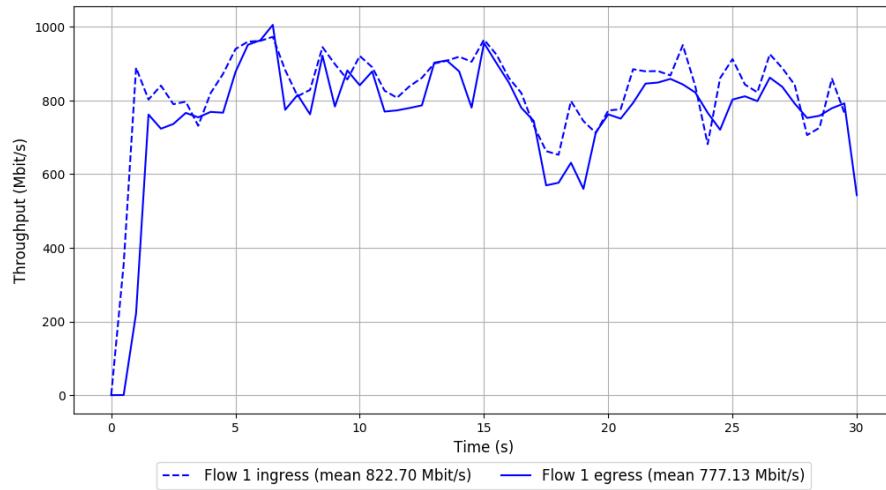


Run 4: Statistics of FillP

```
Start at: 2018-08-11 16:04:50
End at: 2018-08-11 16:05:20
Local clock offset: -0.62 ms
Remote clock offset: -0.248 ms

# Below is generated by plot.py at 2018-08-11 19:18:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 777.13 Mbit/s
95th percentile per-packet one-way delay: 139.110 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 777.13 Mbit/s
95th percentile per-packet one-way delay: 139.110 ms
Loss rate: 5.95%
```

Run 4: Report of FillP — Data Link

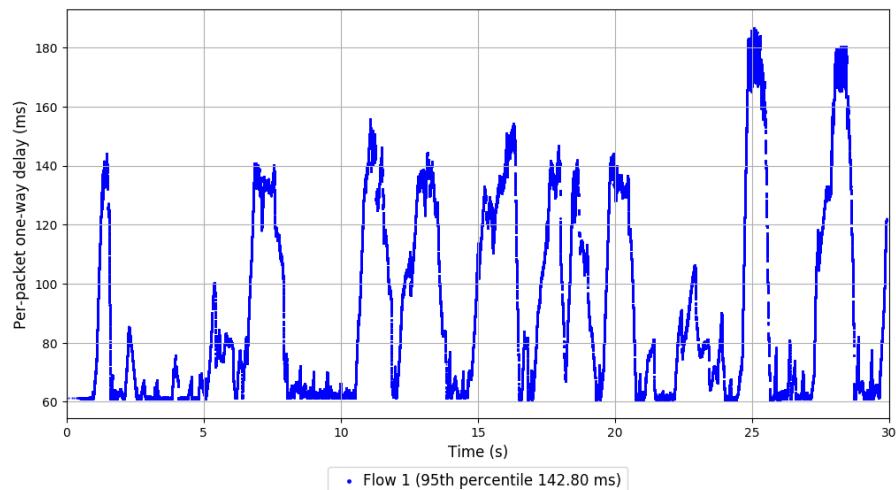
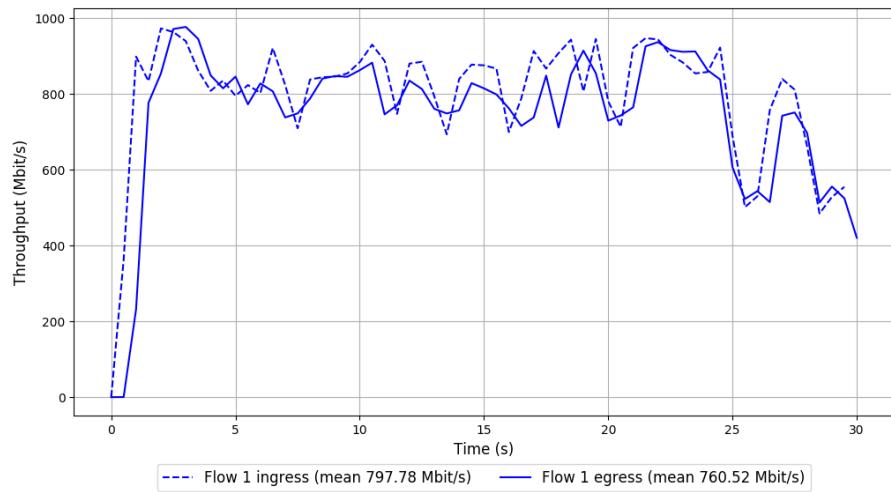


Run 5: Statistics of FillP

```
Start at: 2018-08-11 16:27:10
End at: 2018-08-11 16:27:41
Local clock offset: -0.668 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-08-11 19:18:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 760.52 Mbit/s
95th percentile per-packet one-way delay: 142.800 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 760.52 Mbit/s
95th percentile per-packet one-way delay: 142.800 ms
Loss rate: 5.06%
```

Run 5: Report of FillP — Data Link

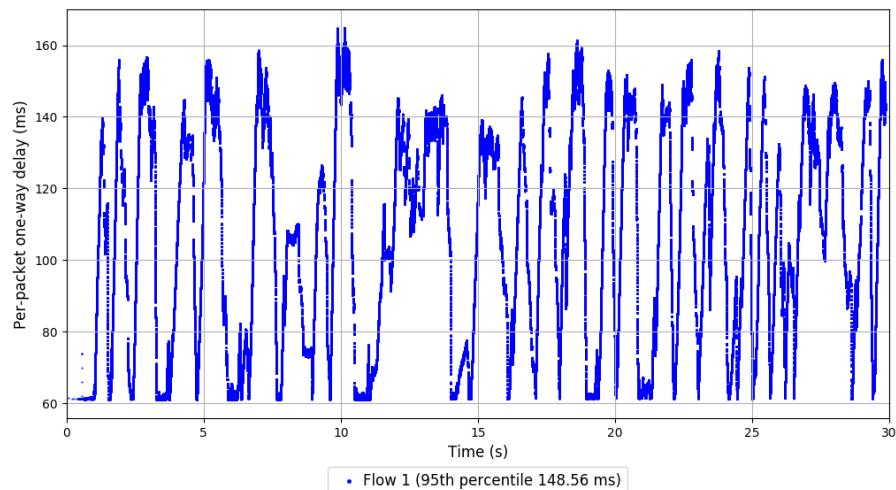
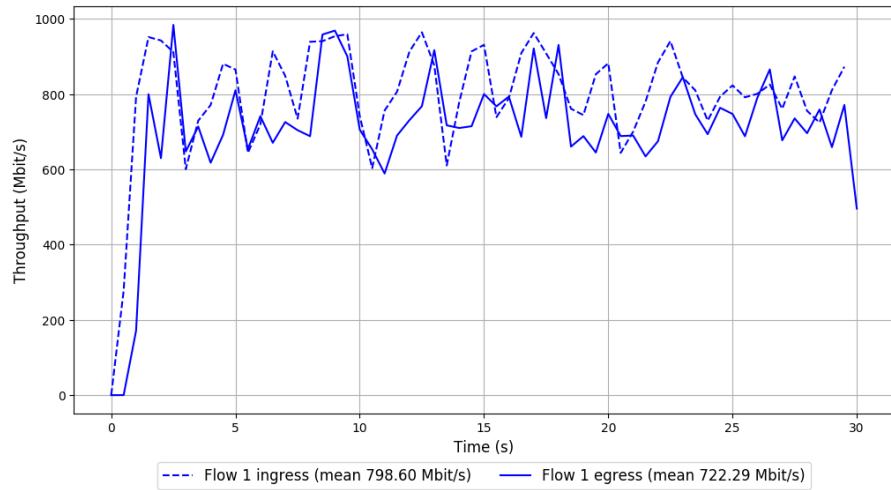


Run 6: Statistics of FillP

```
Start at: 2018-08-11 16:49:51
End at: 2018-08-11 16:50:21
Local clock offset: -0.696 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-08-11 19:18:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 722.29 Mbit/s
95th percentile per-packet one-way delay: 148.564 ms
Loss rate: 9.93%
-- Flow 1:
Average throughput: 722.29 Mbit/s
95th percentile per-packet one-way delay: 148.564 ms
Loss rate: 9.93%
```

Run 6: Report of FillP — Data Link

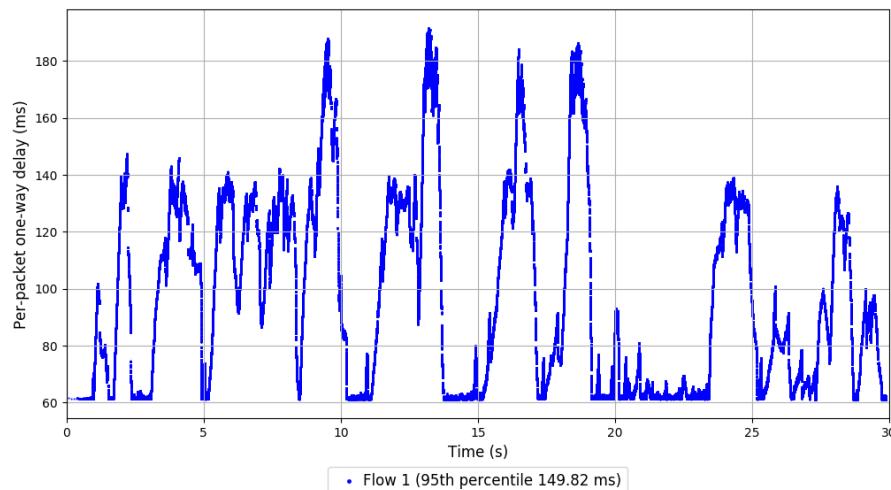
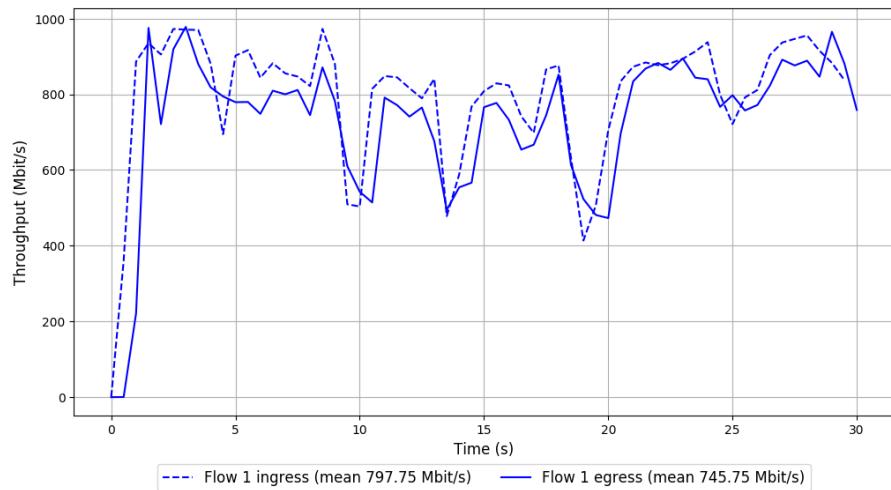


Run 7: Statistics of FillP

```
Start at: 2018-08-11 17:12:58
End at: 2018-08-11 17:13:28
Local clock offset: 0.162 ms
Remote clock offset: -0.248 ms

# Below is generated by plot.py at 2018-08-11 19:18:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 745.75 Mbit/s
95th percentile per-packet one-way delay: 149.823 ms
Loss rate: 6.90%
-- Flow 1:
Average throughput: 745.75 Mbit/s
95th percentile per-packet one-way delay: 149.823 ms
Loss rate: 6.90%
```

Run 7: Report of FillP — Data Link

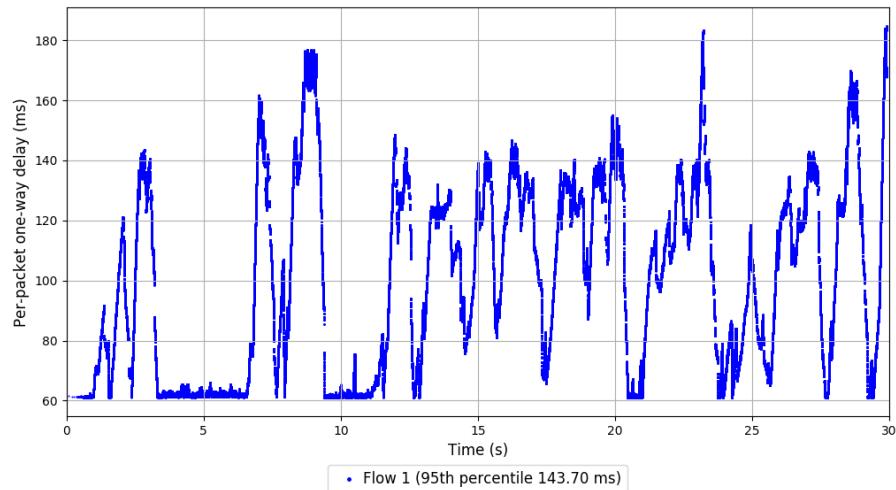
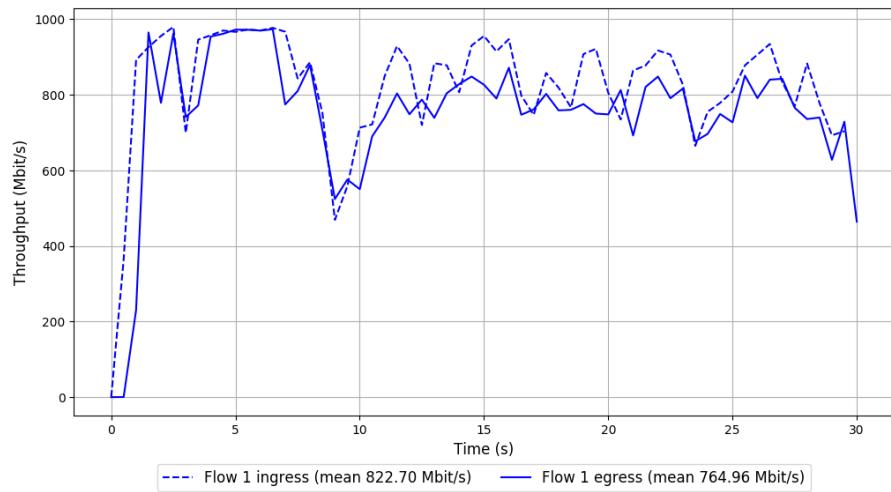


Run 8: Statistics of FillP

```
Start at: 2018-08-11 17:35:57
End at: 2018-08-11 17:36:27
Local clock offset: 0.445 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-08-11 19:19:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 764.96 Mbit/s
95th percentile per-packet one-way delay: 143.699 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 764.96 Mbit/s
95th percentile per-packet one-way delay: 143.699 ms
Loss rate: 7.40%
```

Run 8: Report of FillP — Data Link

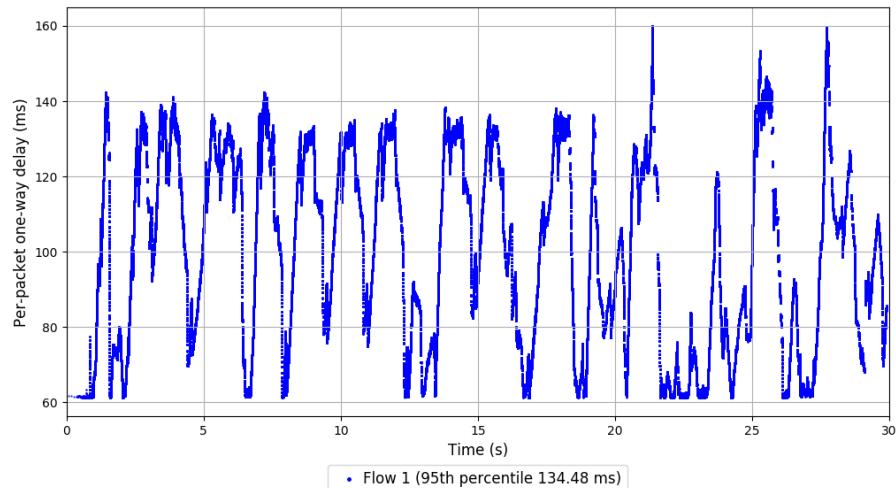
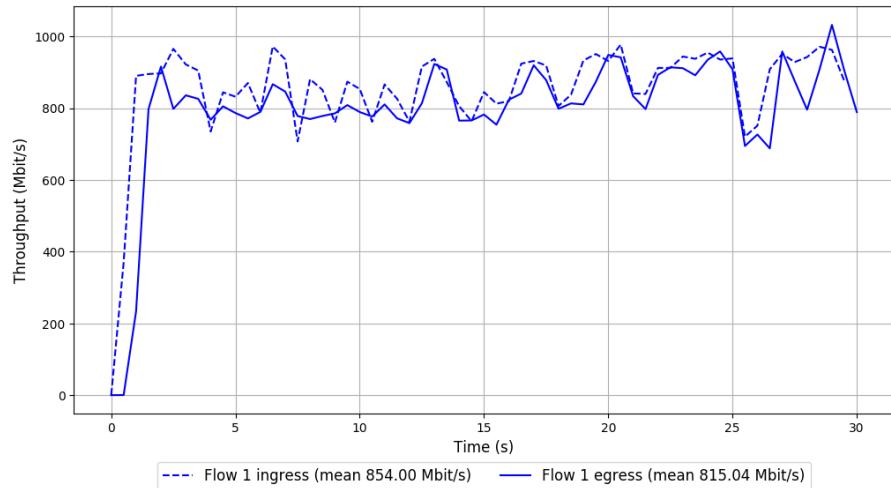


Run 9: Statistics of FillP

```
Start at: 2018-08-11 17:58:58
End at: 2018-08-11 17:59:28
Local clock offset: 0.67 ms
Remote clock offset: -0.561 ms

# Below is generated by plot.py at 2018-08-11 19:34:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 815.04 Mbit/s
95th percentile per-packet one-way delay: 134.479 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 815.04 Mbit/s
95th percentile per-packet one-way delay: 134.479 ms
Loss rate: 4.95%
```

Run 9: Report of FillP — Data Link

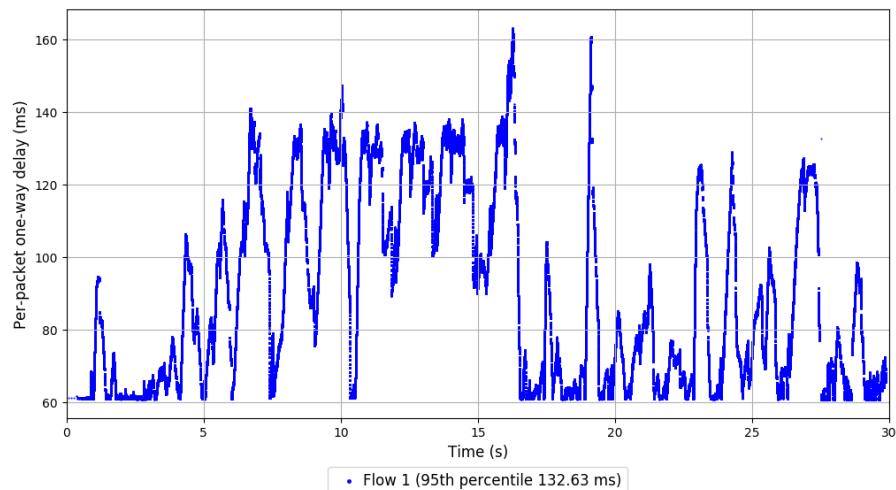
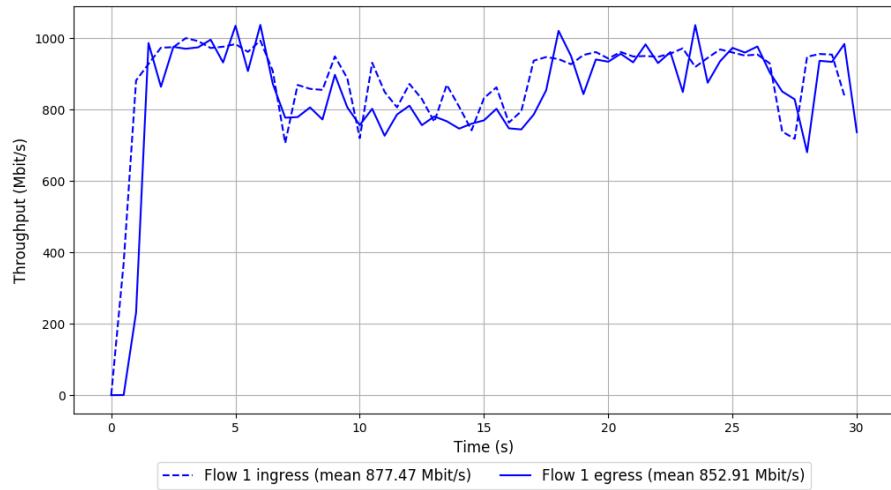


```
Run 10: Statistics of FillP
```

```
Start at: 2018-08-11 18:21:50
End at: 2018-08-11 18:22:20
Local clock offset: 0.936 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-08-11 19:35:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 852.91 Mbit/s
95th percentile per-packet one-way delay: 132.635 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 852.91 Mbit/s
95th percentile per-packet one-way delay: 132.635 ms
Loss rate: 3.20%
```

Run 10: Report of FillP — Data Link

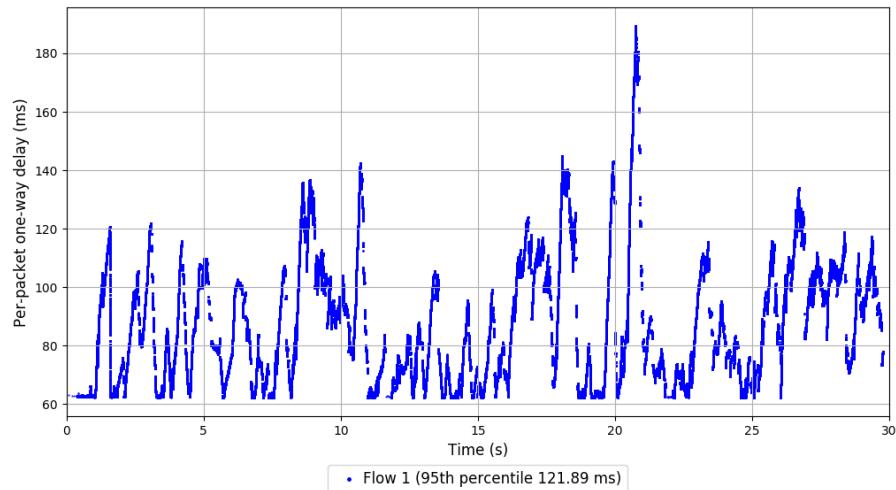
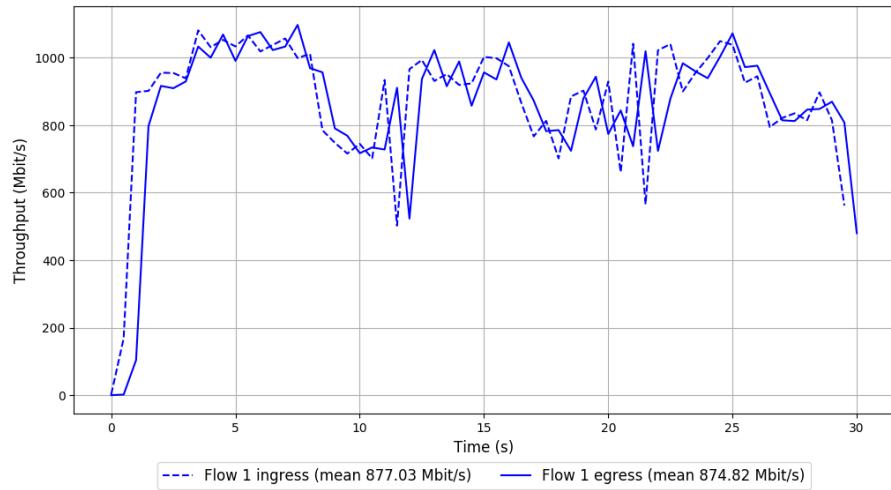


Run 1: Statistics of FillP-Sheep

```
Start at: 2018-08-11 14:42:01
End at: 2018-08-11 14:42:31
Local clock offset: -0.44 ms
Remote clock offset: -1.308 ms

# Below is generated by plot.py at 2018-08-11 19:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 874.82 Mbit/s
95th percentile per-packet one-way delay: 121.885 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 874.82 Mbit/s
95th percentile per-packet one-way delay: 121.885 ms
Loss rate: 0.66%
```

Run 1: Report of FillP-Sheep — Data Link

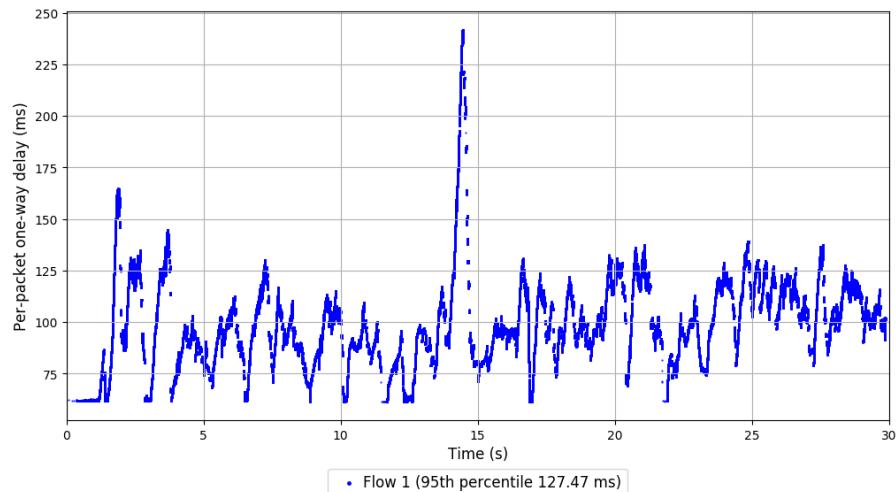
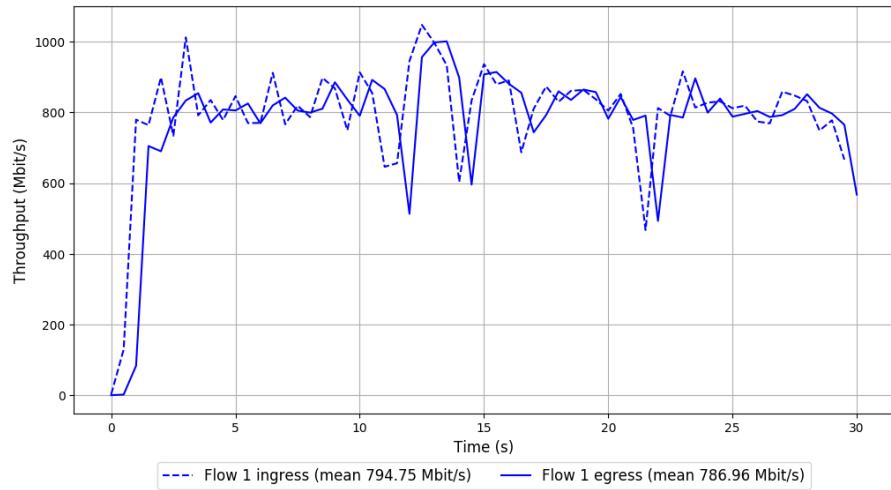


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-08-11 15:04:47
End at: 2018-08-11 15:05:17
Local clock offset: -0.476 ms
Remote clock offset: -0.697 ms

# Below is generated by plot.py at 2018-08-11 19:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 786.96 Mbit/s
95th percentile per-packet one-way delay: 127.473 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 786.96 Mbit/s
95th percentile per-packet one-way delay: 127.473 ms
Loss rate: 1.41%
```

Run 2: Report of FillP-Sheep — Data Link

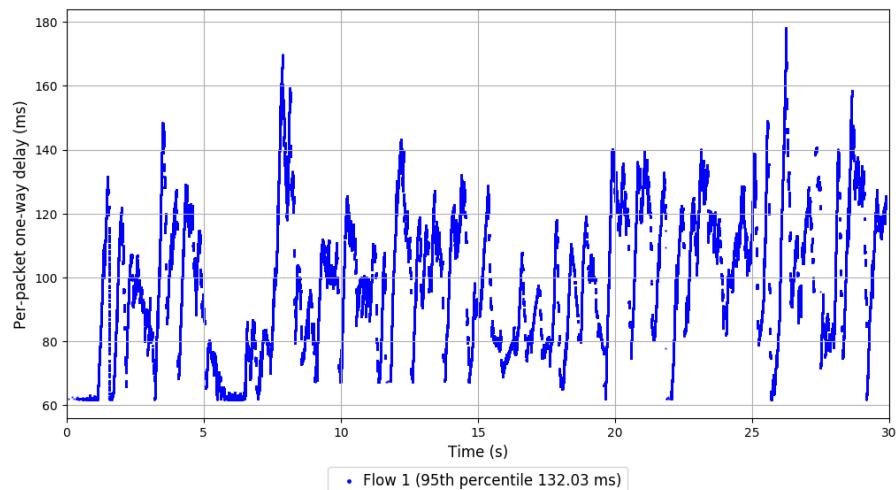
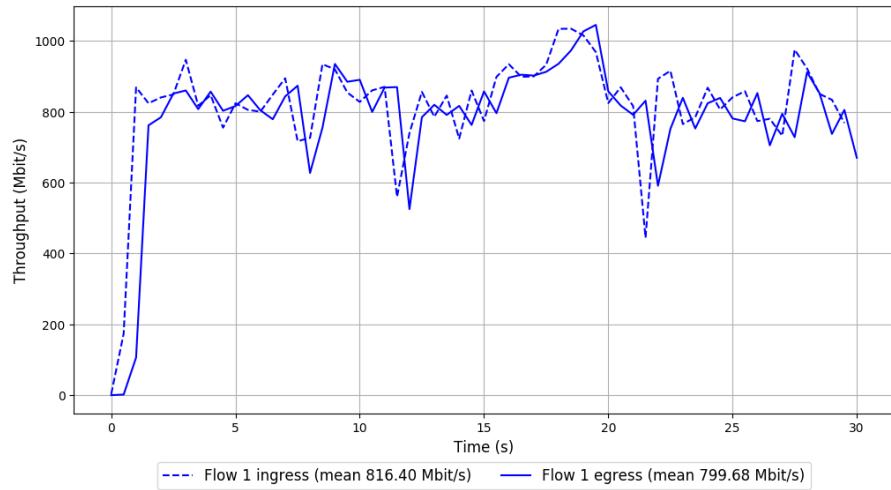


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-08-11 15:27:37
End at: 2018-08-11 15:28:07
Local clock offset: -0.511 ms
Remote clock offset: -0.814 ms

# Below is generated by plot.py at 2018-08-11 19:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 799.68 Mbit/s
95th percentile per-packet one-way delay: 132.034 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 799.68 Mbit/s
95th percentile per-packet one-way delay: 132.034 ms
Loss rate: 2.47%
```

Run 3: Report of FillP-Sheep — Data Link

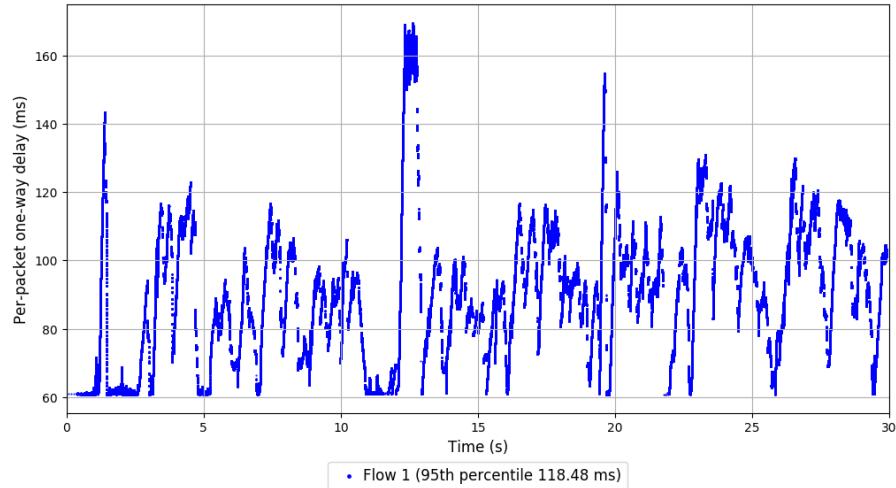
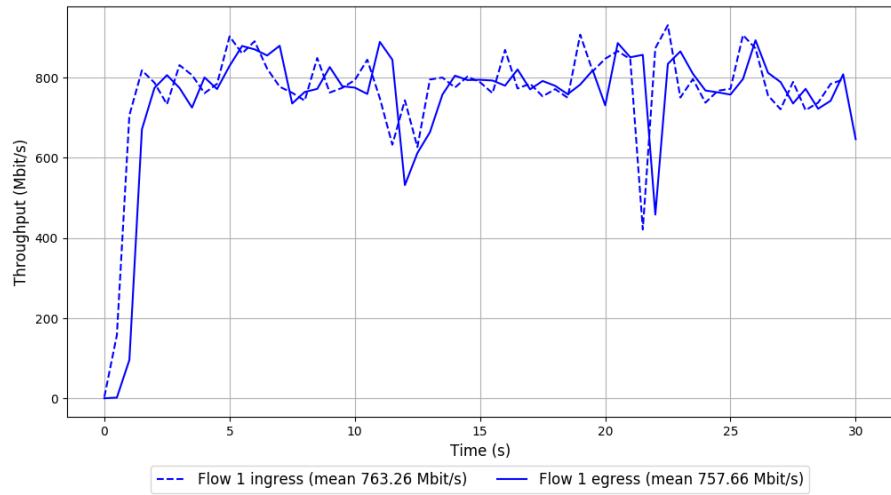


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-08-11 15:50:35
End at: 2018-08-11 15:51:05
Local clock offset: -0.568 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-08-11 19:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 757.66 Mbit/s
95th percentile per-packet one-way delay: 118.477 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 757.66 Mbit/s
95th percentile per-packet one-way delay: 118.477 ms
Loss rate: 1.16%
```

Run 4: Report of FillP-Sheep — Data Link

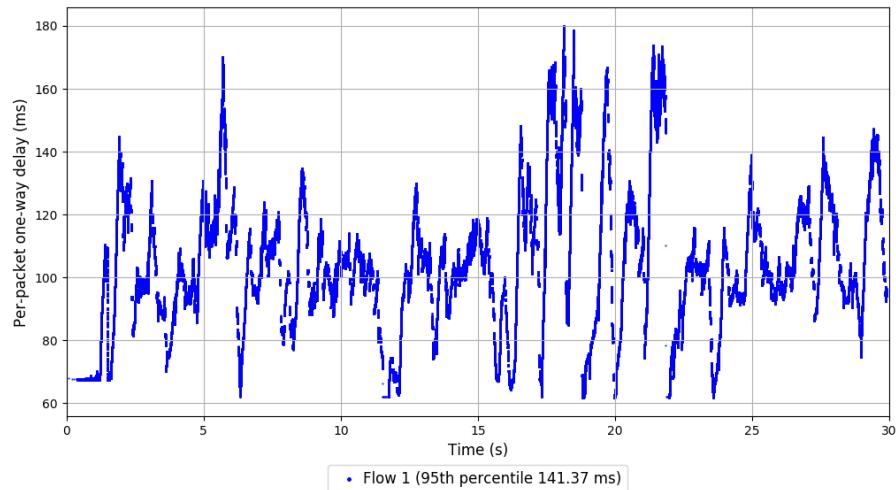
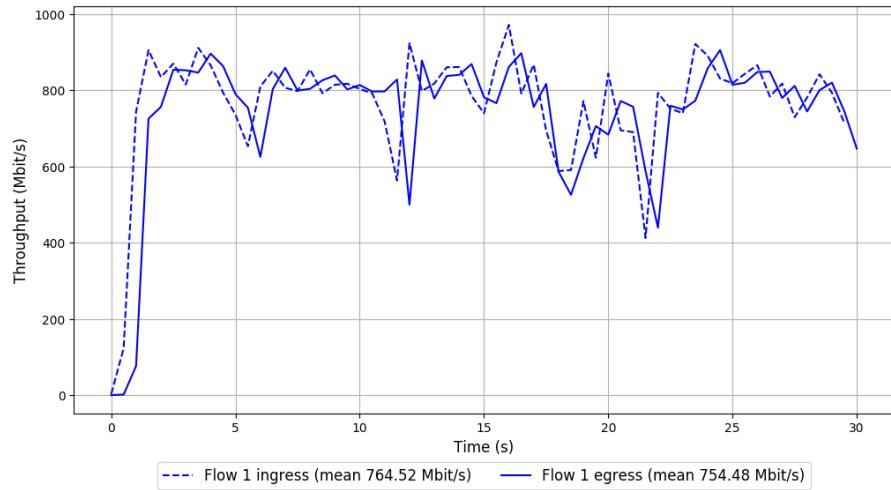


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-08-11 16:12:49
End at: 2018-08-11 16:13:19
Local clock offset: -0.589 ms
Remote clock offset: -0.934 ms

# Below is generated by plot.py at 2018-08-11 19:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 754.48 Mbit/s
95th percentile per-packet one-way delay: 141.368 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 754.48 Mbit/s
95th percentile per-packet one-way delay: 141.368 ms
Loss rate: 1.74%
```

Run 5: Report of FillP-Sheep — Data Link

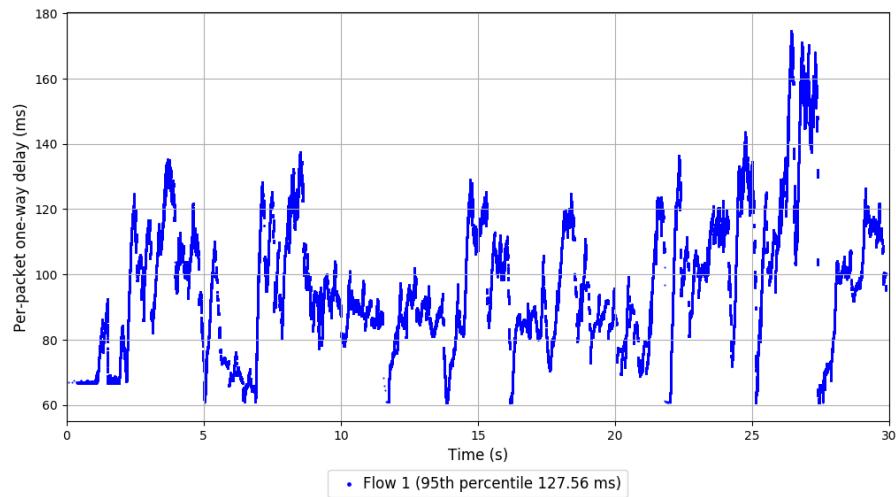
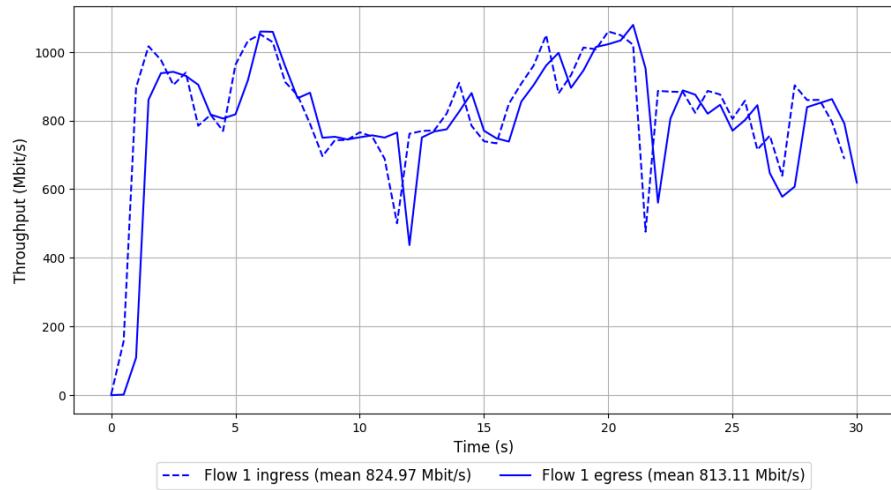


Run 6: Statistics of FillP-Sheep

```
Start at: 2018-08-11 16:35:10
End at: 2018-08-11 16:35:40
Local clock offset: -0.716 ms
Remote clock offset: 0.122 ms

# Below is generated by plot.py at 2018-08-11 19:37:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 813.11 Mbit/s
95th percentile per-packet one-way delay: 127.563 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 813.11 Mbit/s
95th percentile per-packet one-way delay: 127.563 ms
Loss rate: 1.86%
```

Run 6: Report of FillP-Sheep — Data Link

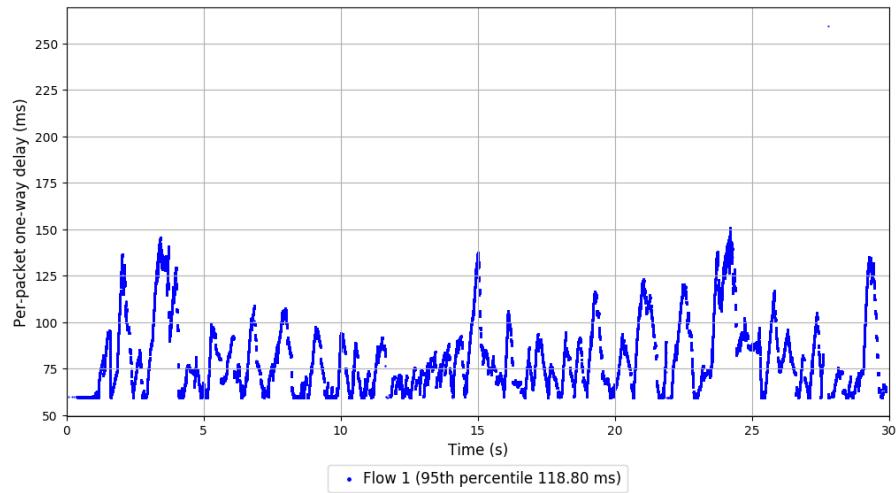
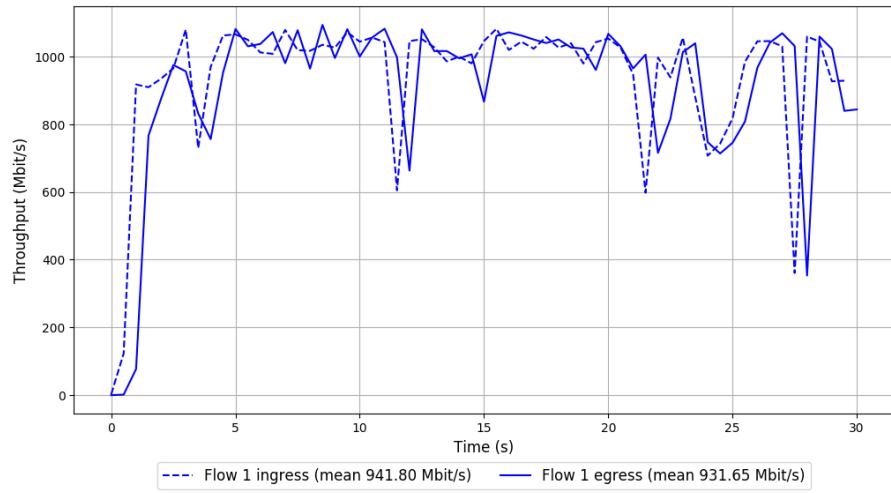


Run 7: Statistics of FillP-Sheep

```
Start at: 2018-08-11 16:58:16
End at: 2018-08-11 16:58:46
Local clock offset: -0.343 ms
Remote clock offset: 1.216 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 931.65 Mbit/s
95th percentile per-packet one-way delay: 118.801 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 931.65 Mbit/s
95th percentile per-packet one-way delay: 118.801 ms
Loss rate: 1.48%
```

Run 7: Report of FillP-Sheep — Data Link

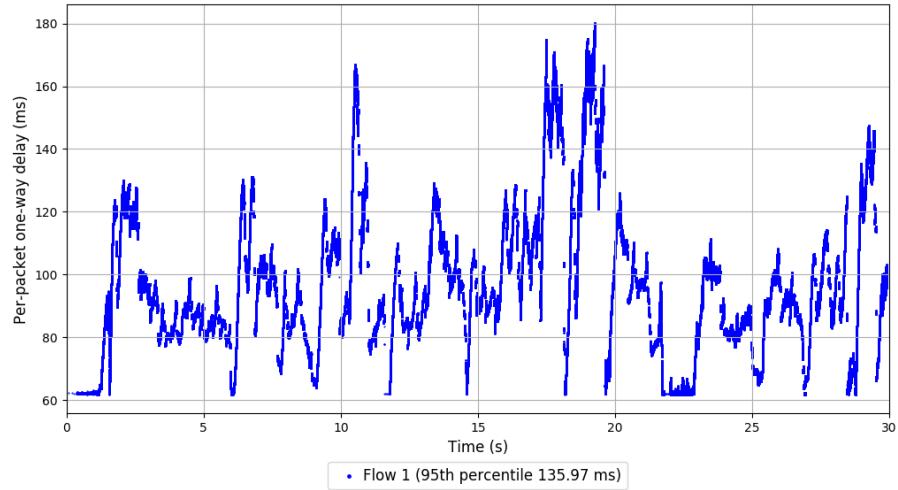
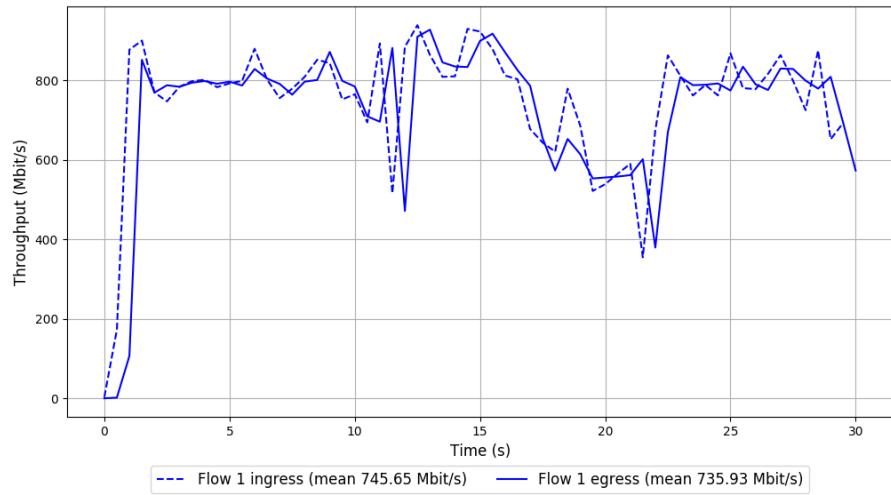


Run 8: Statistics of FillP-Sheep

```
Start at: 2018-08-11 17:21:26
End at: 2018-08-11 17:21:56
Local clock offset: 0.301 ms
Remote clock offset: -0.78 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 735.93 Mbit/s
95th percentile per-packet one-way delay: 135.969 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 735.93 Mbit/s
95th percentile per-packet one-way delay: 135.969 ms
Loss rate: 1.69%
```

Run 8: Report of FillP-Sheep — Data Link

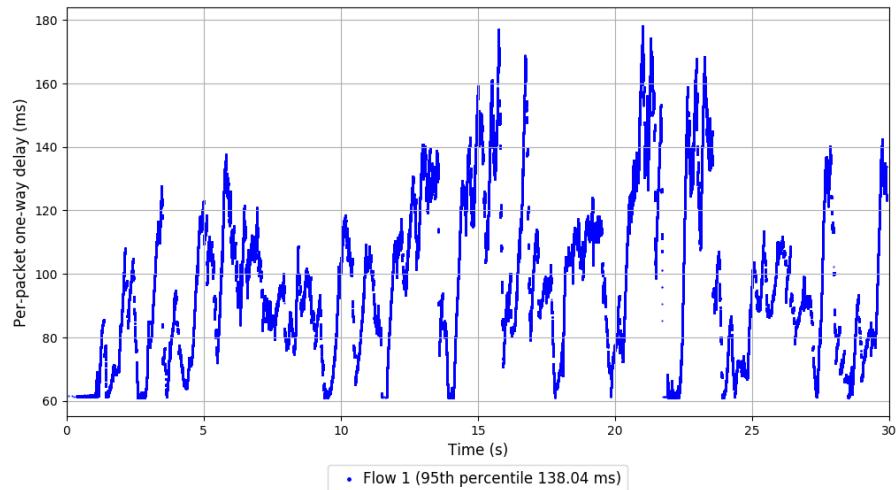
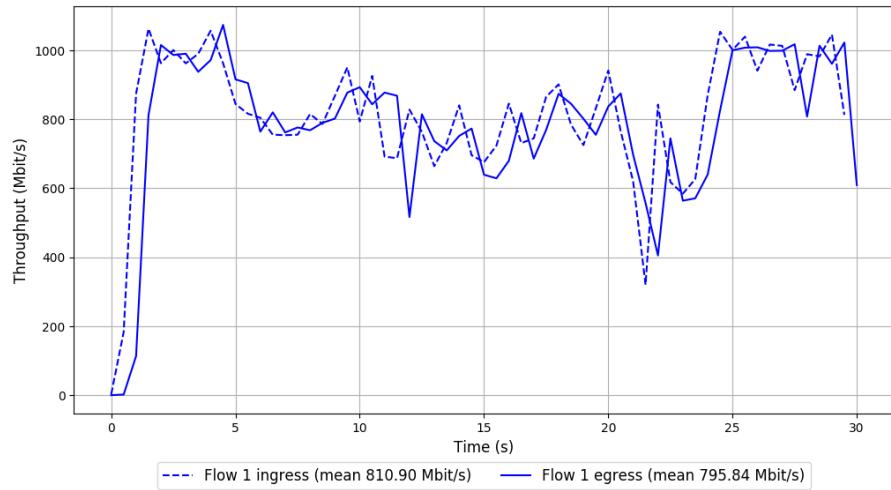


Run 9: Statistics of FillP-Sheep

```
Start at: 2018-08-11 17:44:23
End at: 2018-08-11 17:44:53
Local clock offset: 0.512 ms
Remote clock offset: -0.265 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 795.84 Mbit/s
95th percentile per-packet one-way delay: 138.037 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 795.84 Mbit/s
95th percentile per-packet one-way delay: 138.037 ms
Loss rate: 2.26%
```

Run 9: Report of FillP-Sheep — Data Link

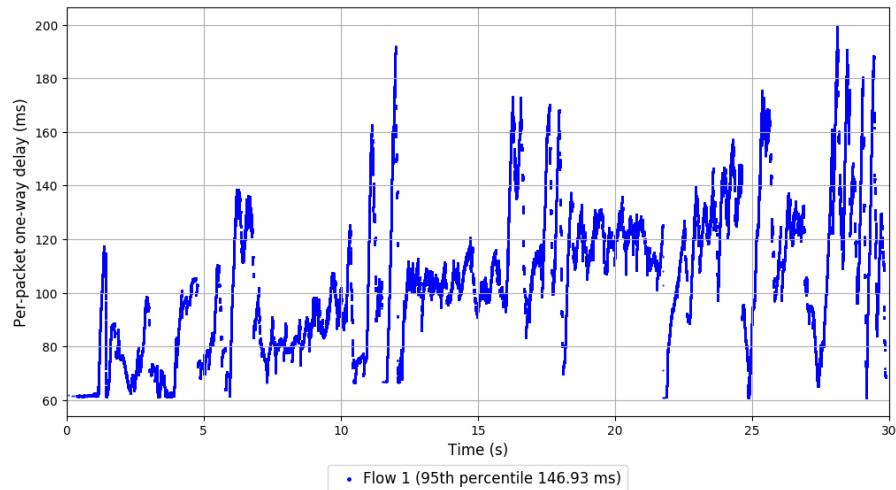
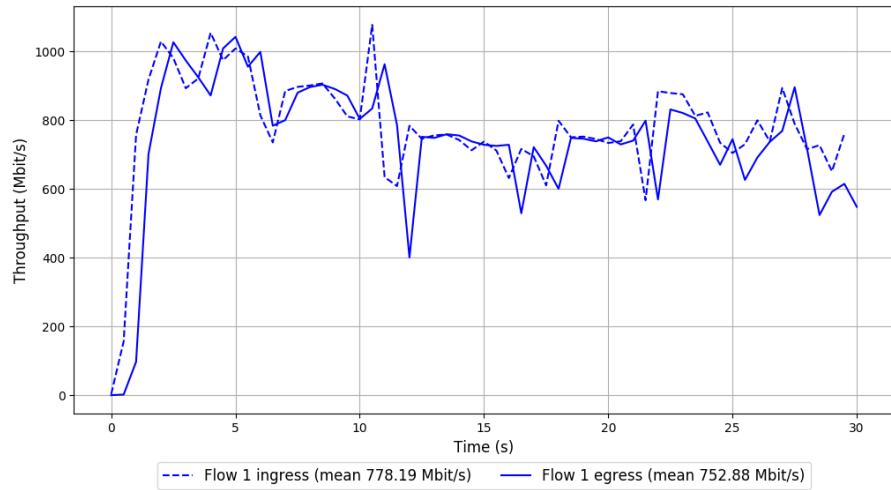


Run 10: Statistics of FillP-Sheep

```
Start at: 2018-08-11 18:07:19
End at: 2018-08-11 18:07:49
Local clock offset: 0.772 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 752.88 Mbit/s
95th percentile per-packet one-way delay: 146.929 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 752.88 Mbit/s
95th percentile per-packet one-way delay: 146.929 ms
Loss rate: 3.65%
```

Run 10: Report of FillP-Sheep — Data Link

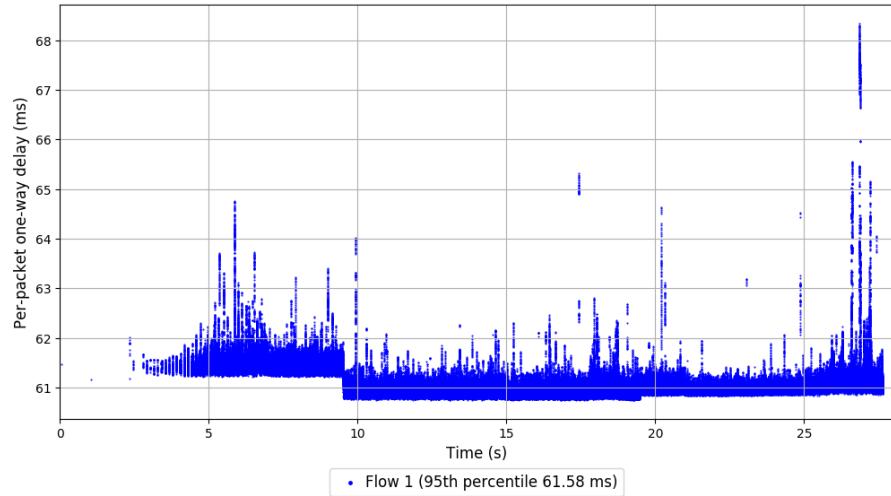
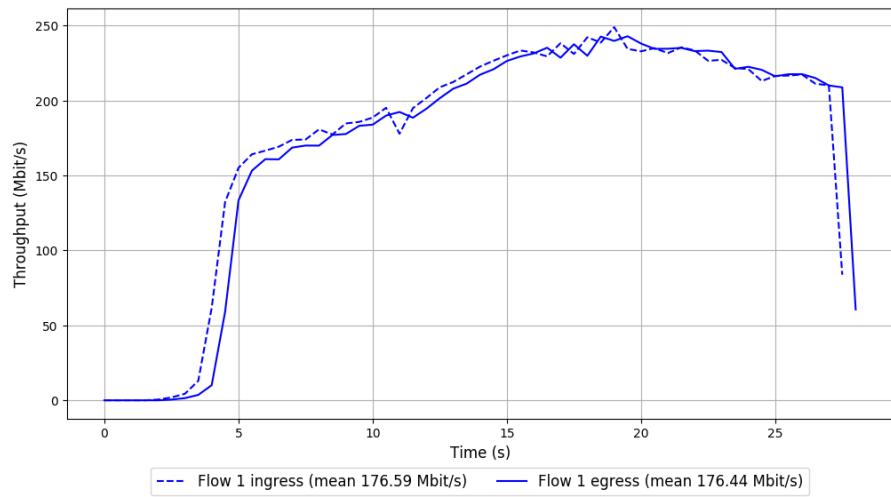


Run 1: Statistics of Indigo

```
Start at: 2018-08-11 14:55:13
End at: 2018-08-11 14:55:43
Local clock offset: -0.416 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.44 Mbit/s
95th percentile per-packet one-way delay: 61.578 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 176.44 Mbit/s
95th percentile per-packet one-way delay: 61.578 ms
Loss rate: 0.52%
```

Run 1: Report of Indigo — Data Link

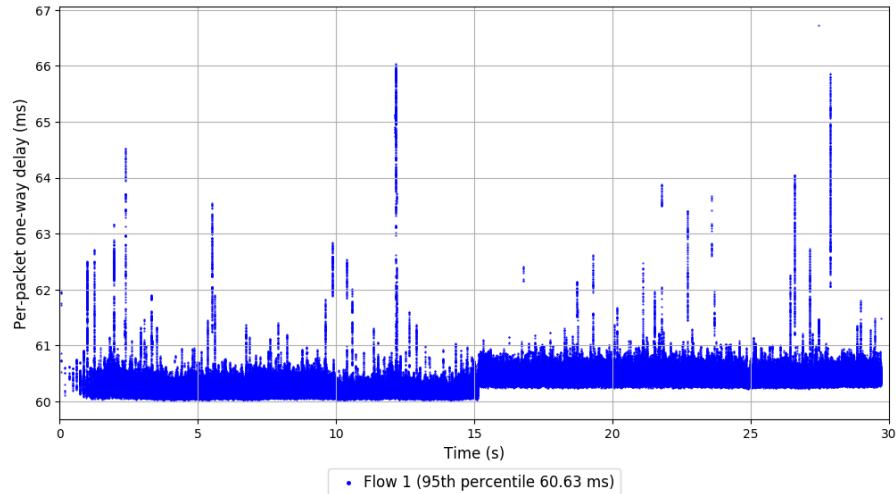
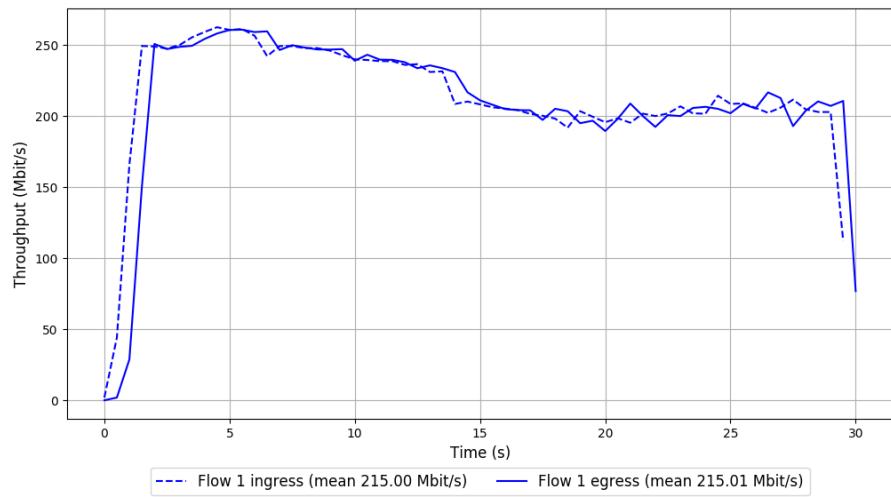


Run 2: Statistics of Indigo

```
Start at: 2018-08-11 15:17:59
End at: 2018-08-11 15:18:29
Local clock offset: -0.511 ms
Remote clock offset: 0.66 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.01 Mbit/s
95th percentile per-packet one-way delay: 60.629 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 215.01 Mbit/s
95th percentile per-packet one-way delay: 60.629 ms
Loss rate: 0.41%
```

Run 2: Report of Indigo — Data Link

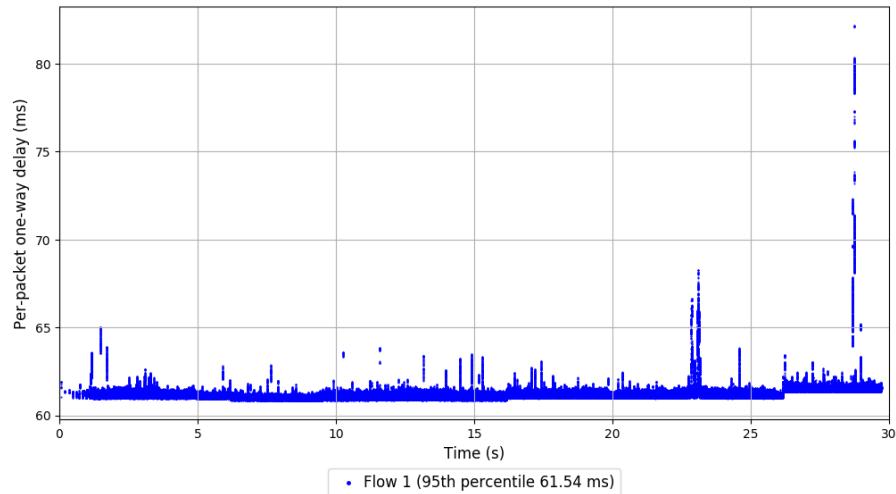
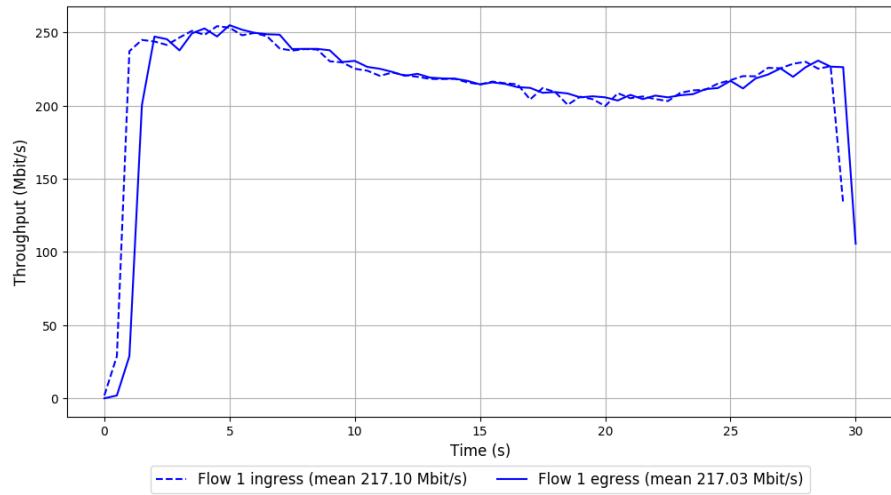


Run 3: Statistics of Indigo

```
Start at: 2018-08-11 15:40:58
End at: 2018-08-11 15:41:28
Local clock offset: -0.541 ms
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.03 Mbit/s
95th percentile per-packet one-way delay: 61.542 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 217.03 Mbit/s
95th percentile per-packet one-way delay: 61.542 ms
Loss rate: 0.44%
```

Run 3: Report of Indigo — Data Link

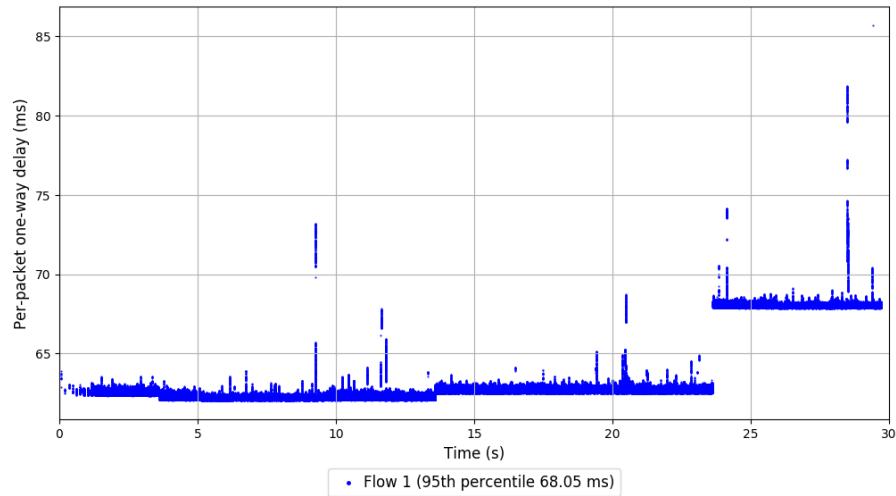
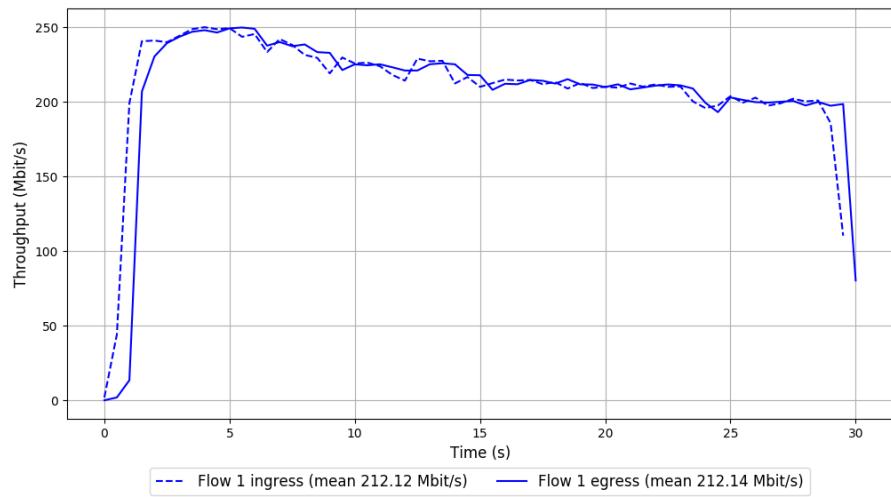


Run 4: Statistics of Indigo

```
Start at: 2018-08-11 16:03:31
End at: 2018-08-11 16:04:01
Local clock offset: -0.58 ms
Remote clock offset: -1.499 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.14 Mbit/s
95th percentile per-packet one-way delay: 68.054 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 212.14 Mbit/s
95th percentile per-packet one-way delay: 68.054 ms
Loss rate: 0.40%
```

Run 4: Report of Indigo — Data Link

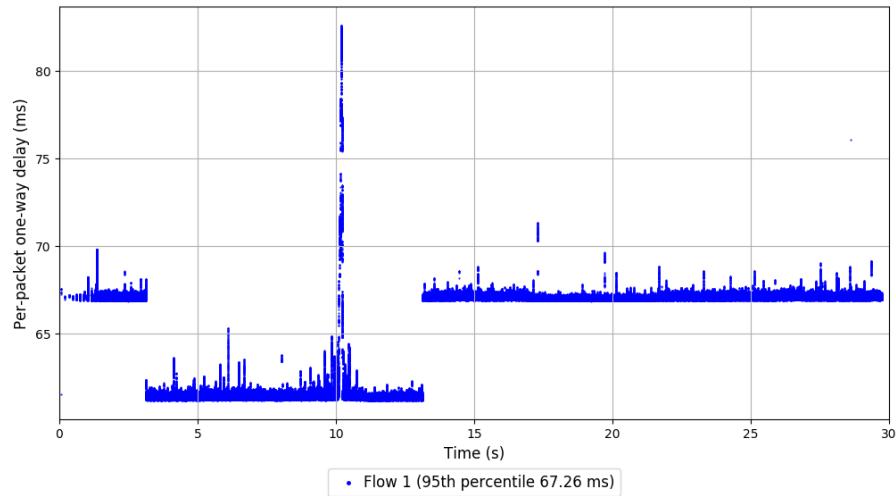
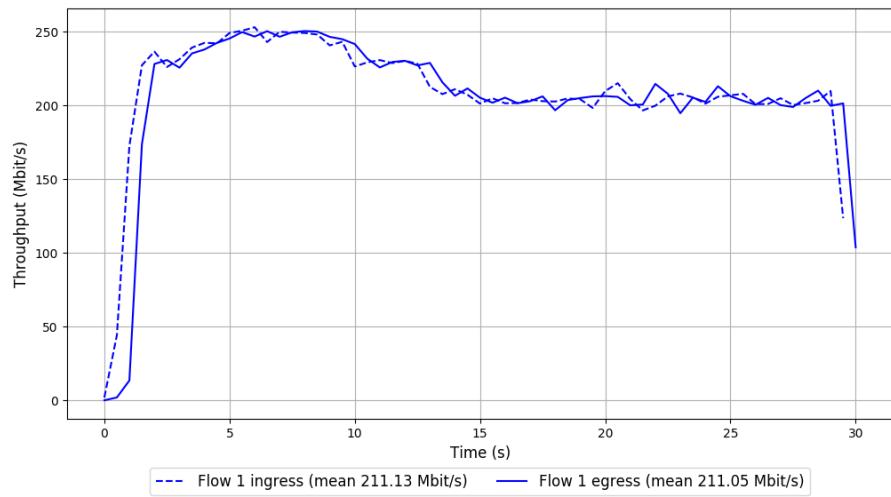


Run 5: Statistics of Indigo

```
Start at: 2018-08-11 16:25:51
End at: 2018-08-11 16:26:21
Local clock offset: -0.68 ms
Remote clock offset: -0.533 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.05 Mbit/s
95th percentile per-packet one-way delay: 67.256 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 211.05 Mbit/s
95th percentile per-packet one-way delay: 67.256 ms
Loss rate: 0.42%
```

Run 5: Report of Indigo — Data Link

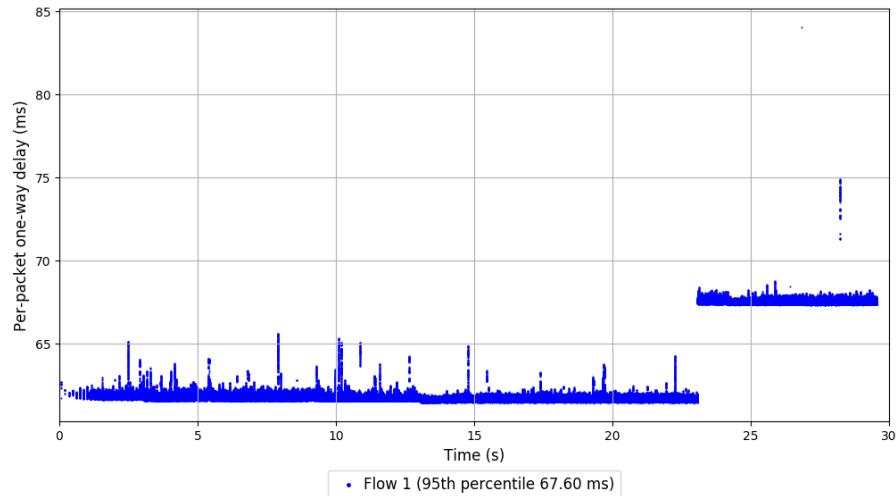
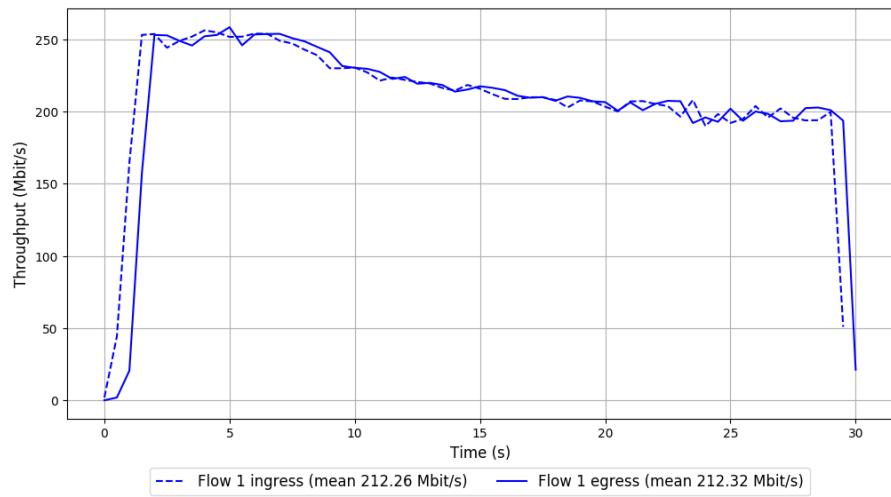


Run 6: Statistics of Indigo

```
Start at: 2018-08-11 16:48:31
End at: 2018-08-11 16:49:01
Local clock offset: -0.778 ms
Remote clock offset: -0.768 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.32 Mbit/s
95th percentile per-packet one-way delay: 67.604 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 212.32 Mbit/s
95th percentile per-packet one-way delay: 67.604 ms
Loss rate: 0.40%
```

Run 6: Report of Indigo — Data Link

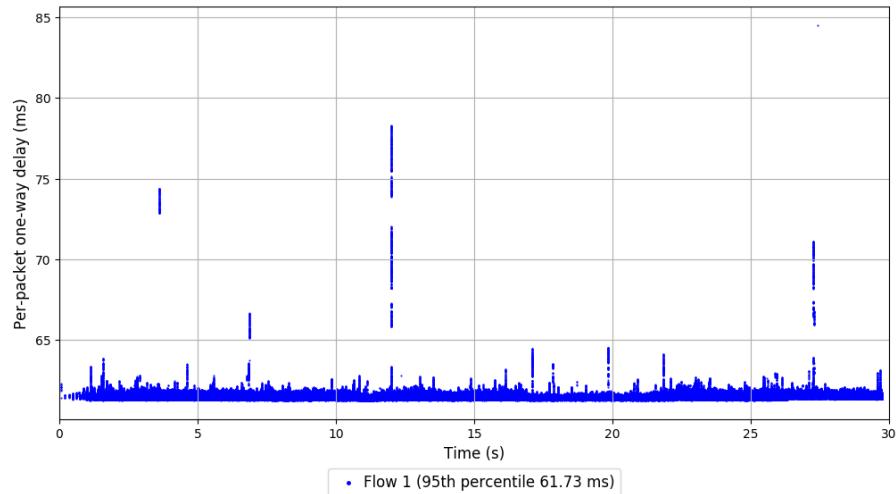
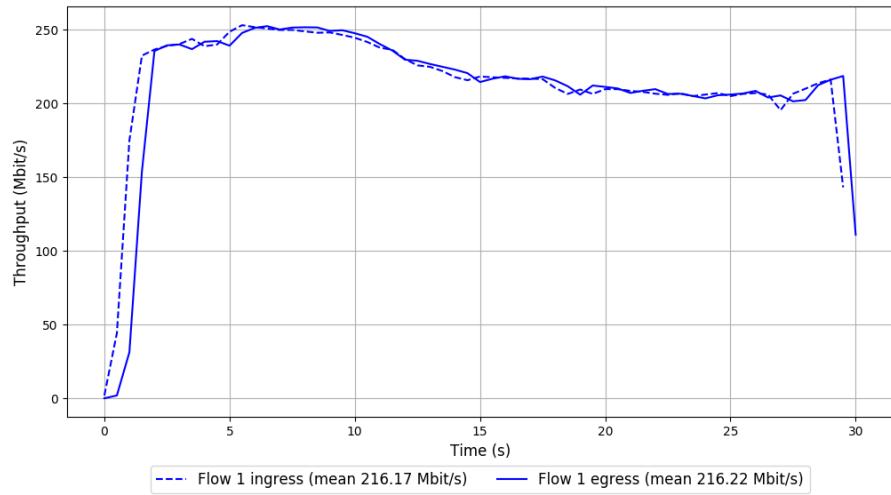


Run 7: Statistics of Indigo

```
Start at: 2018-08-11 17:11:38
End at: 2018-08-11 17:12:08
Local clock offset: 0.115 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.22 Mbit/s
95th percentile per-packet one-way delay: 61.725 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 216.22 Mbit/s
95th percentile per-packet one-way delay: 61.725 ms
Loss rate: 0.39%
```

Run 7: Report of Indigo — Data Link

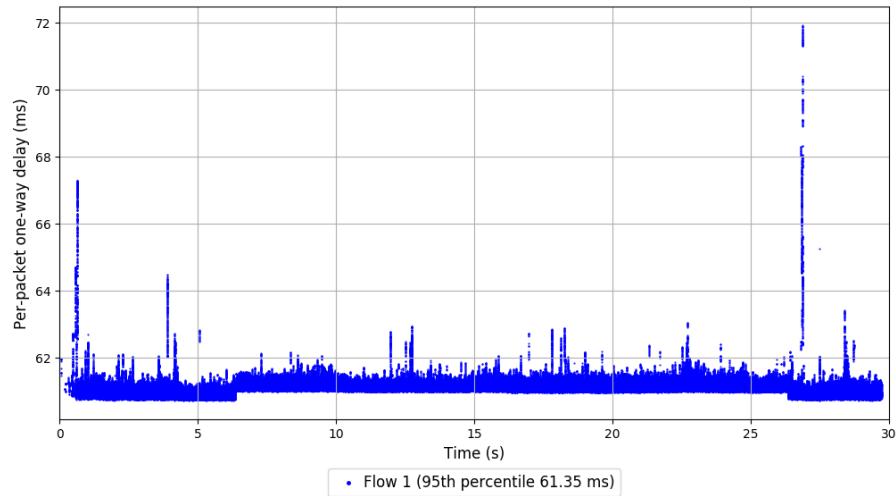
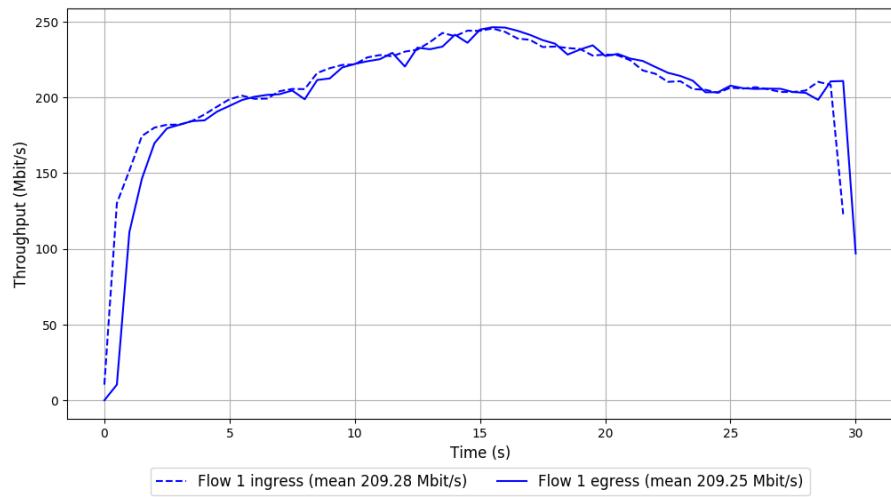


Run 8: Statistics of Indigo

```
Start at: 2018-08-11 17:34:38
End at: 2018-08-11 17:35:08
Local clock offset: 0.484 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.25 Mbit/s
95th percentile per-packet one-way delay: 61.353 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 209.25 Mbit/s
95th percentile per-packet one-way delay: 61.353 ms
Loss rate: 0.43%
```

Run 8: Report of Indigo — Data Link

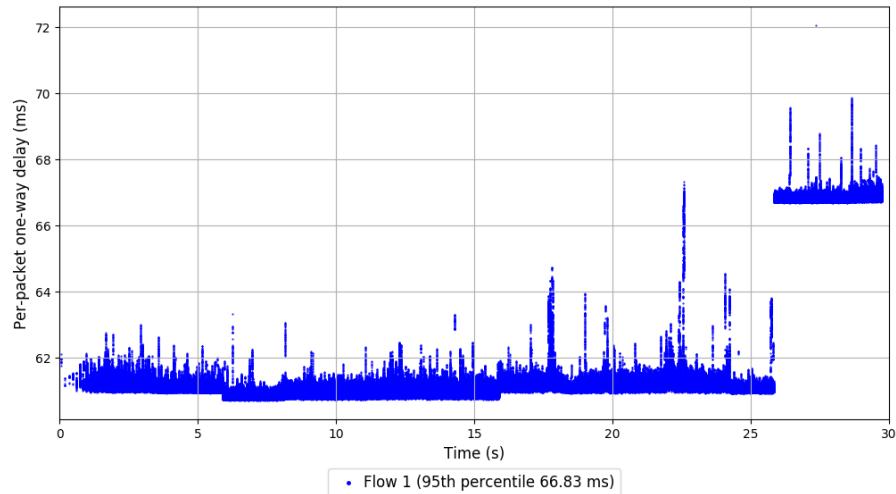
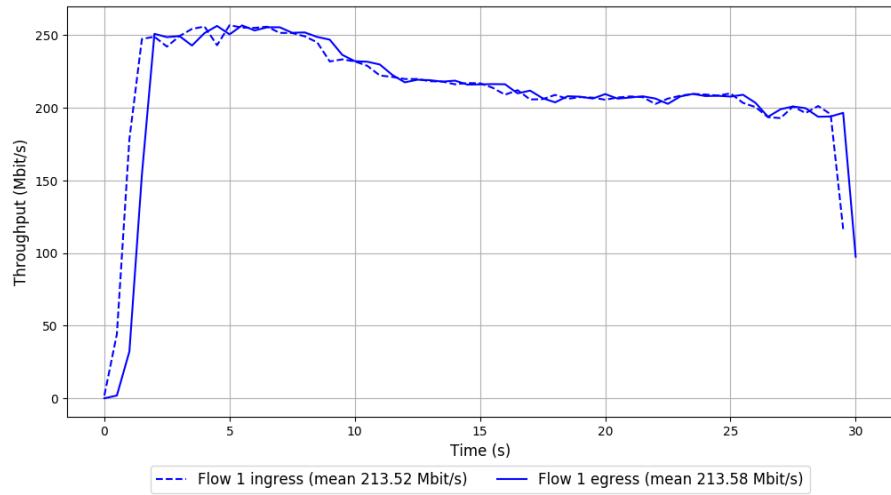


Run 9: Statistics of Indigo

```
Start at: 2018-08-11 17:57:39
End at: 2018-08-11 17:58:09
Local clock offset: 0.672 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.58 Mbit/s
95th percentile per-packet one-way delay: 66.827 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 213.58 Mbit/s
95th percentile per-packet one-way delay: 66.827 ms
Loss rate: 0.39%
```

Run 9: Report of Indigo — Data Link

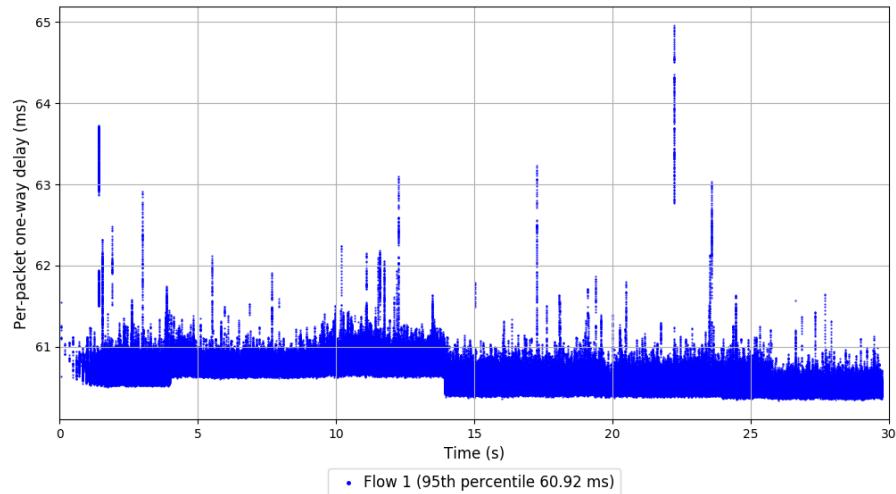
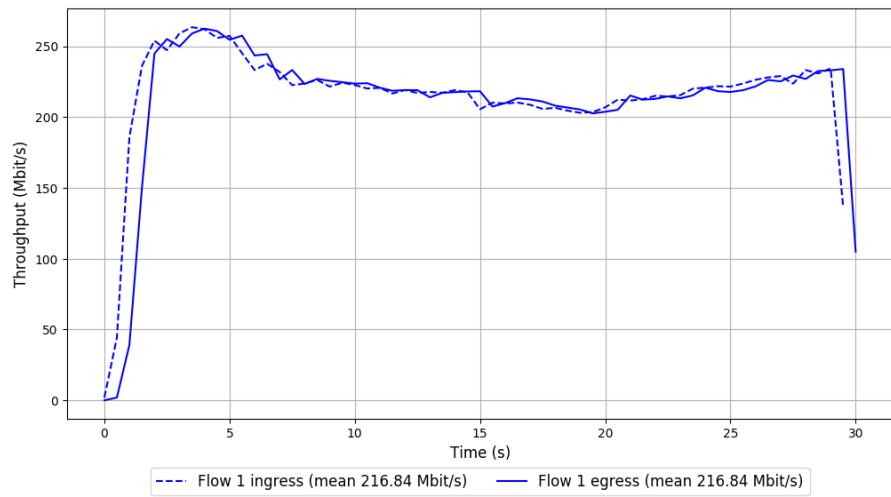


Run 10: Statistics of Indigo

```
Start at: 2018-08-11 18:20:31
End at: 2018-08-11 18:21:01
Local clock offset: 0.926 ms
Remote clock offset: 0.318 ms

# Below is generated by plot.py at 2018-08-11 19:55:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.84 Mbit/s
95th percentile per-packet one-way delay: 60.924 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 216.84 Mbit/s
95th percentile per-packet one-way delay: 60.924 ms
Loss rate: 0.42%
```

Run 10: Report of Indigo — Data Link

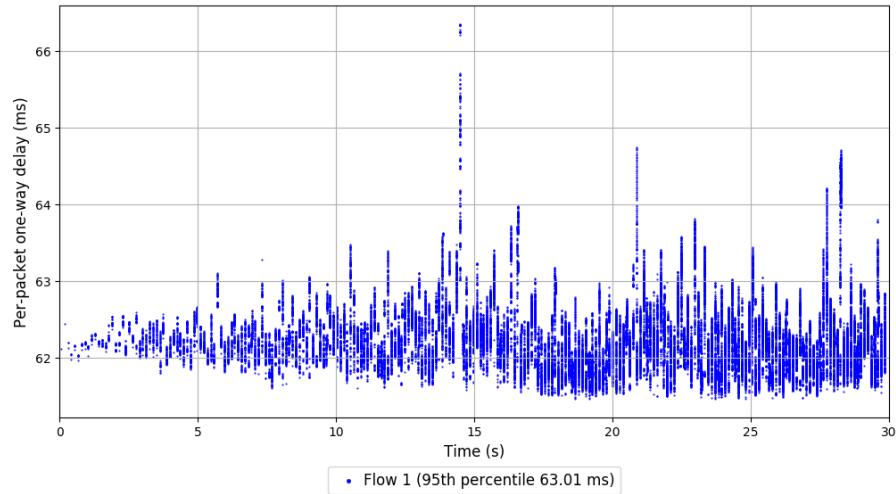
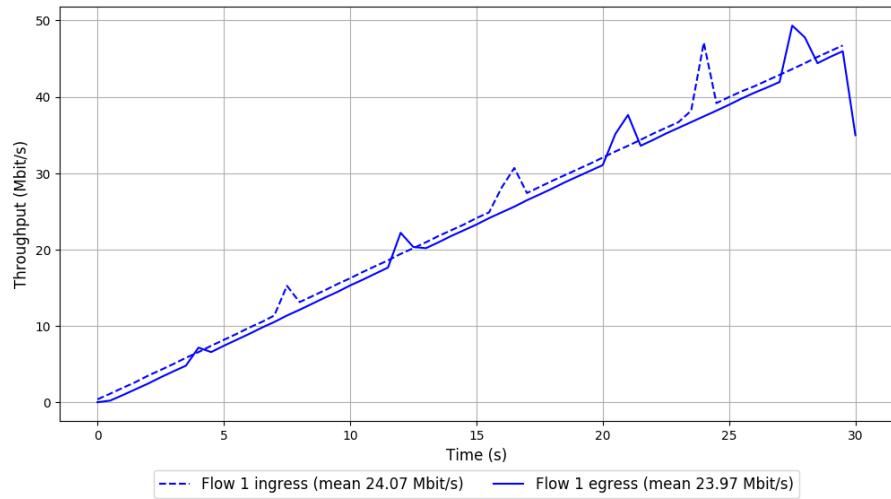


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-11 14:48:37
End at: 2018-08-11 14:49:07
Local clock offset: -0.417 ms
Remote clock offset: -0.783 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 63.013 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 63.013 ms
Loss rate: 0.82%
```

Run 1: Report of LEDBAT — Data Link

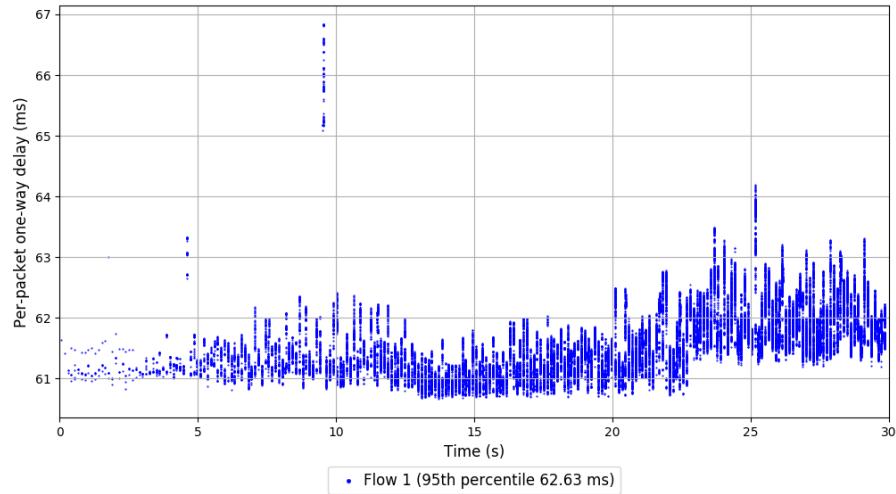
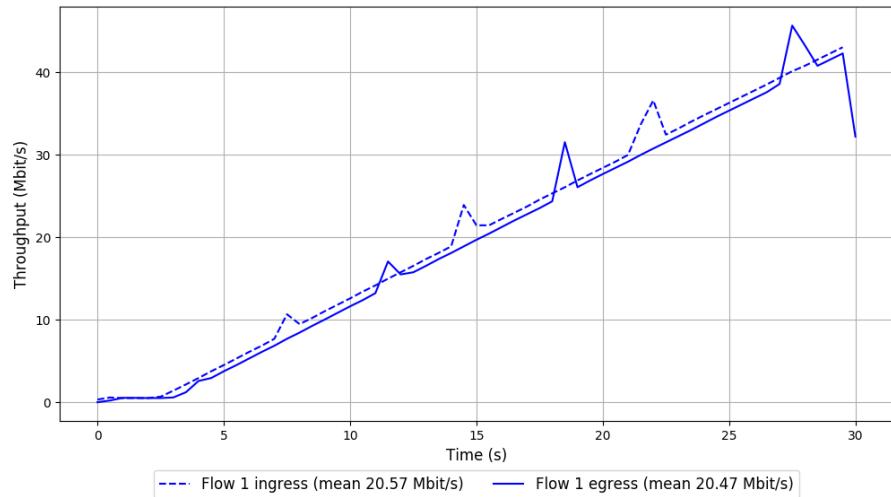


Run 2: Statistics of LEDBAT

```
Start at: 2018-08-11 15:11:22
End at: 2018-08-11 15:11:52
Local clock offset: -0.504 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 62.635 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 62.635 ms
Loss rate: 0.88%
```

Run 2: Report of LEDBAT — Data Link

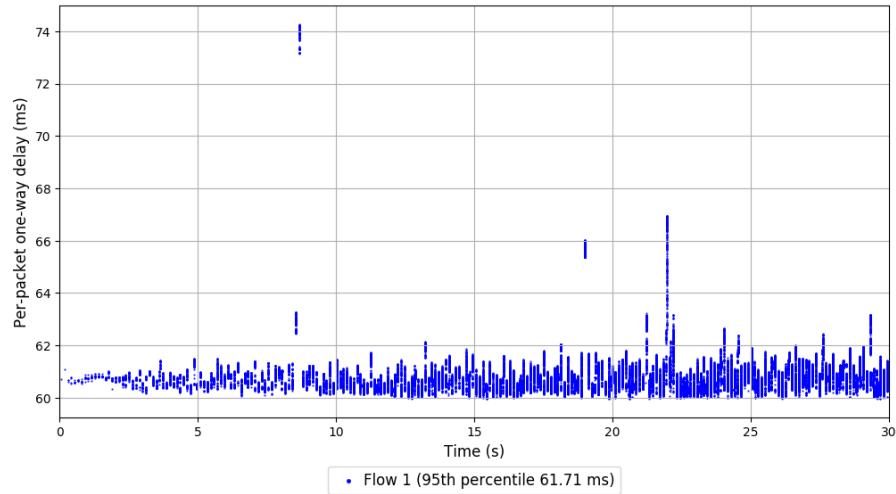
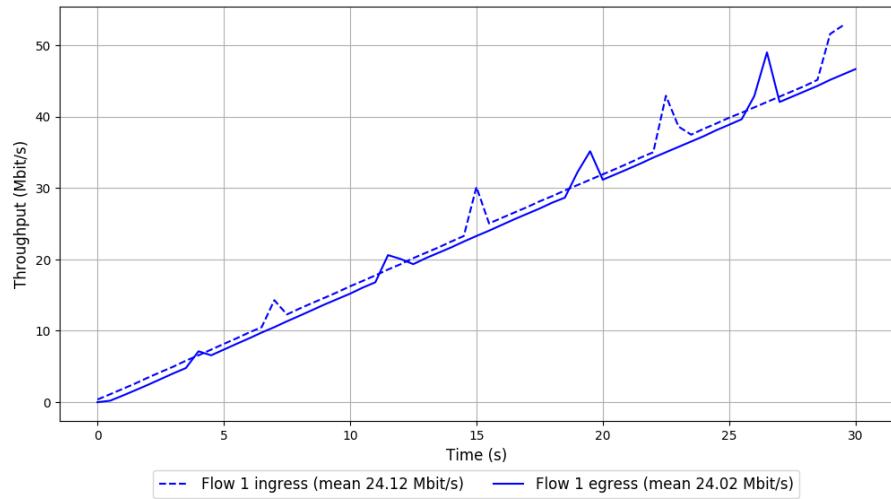


Run 3: Statistics of LEDBAT

```
Start at: 2018-08-11 15:34:13
End at: 2018-08-11 15:34:43
Local clock offset: -0.549 ms
Remote clock offset: 0.602 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 61.713 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 61.713 ms
Loss rate: 0.81%
```

Run 3: Report of LEDBAT — Data Link

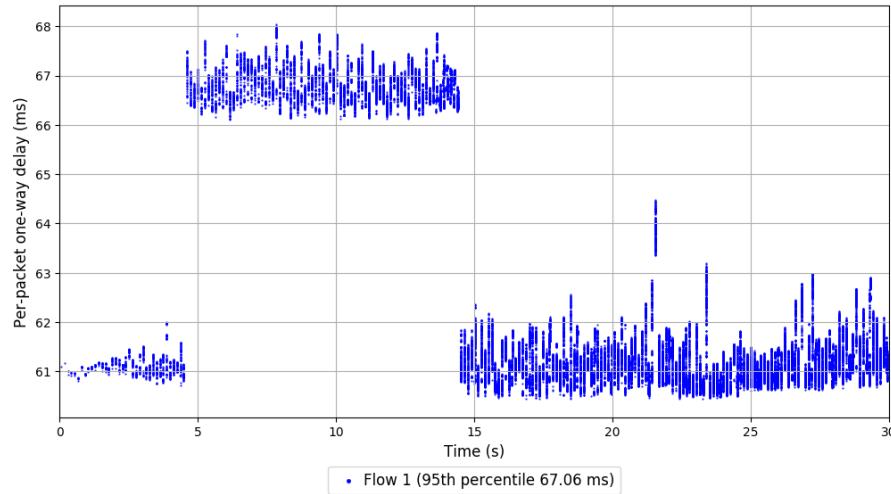
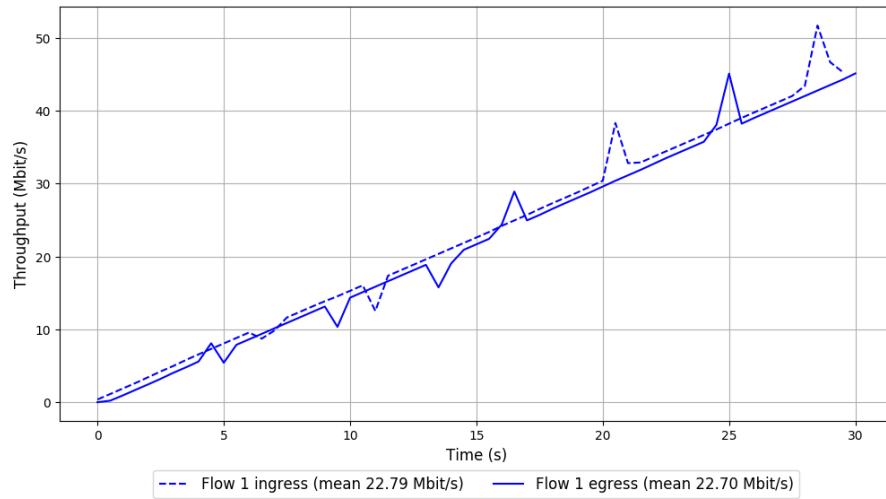


Run 4: Statistics of LEDBAT

```
Start at: 2018-08-11 15:57:00
End at: 2018-08-11 15:57:30
Local clock offset: -0.579 ms
Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.70 Mbit/s
95th percentile per-packet one-way delay: 67.065 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 22.70 Mbit/s
95th percentile per-packet one-way delay: 67.065 ms
Loss rate: 0.83%
```

Run 4: Report of LEDBAT — Data Link

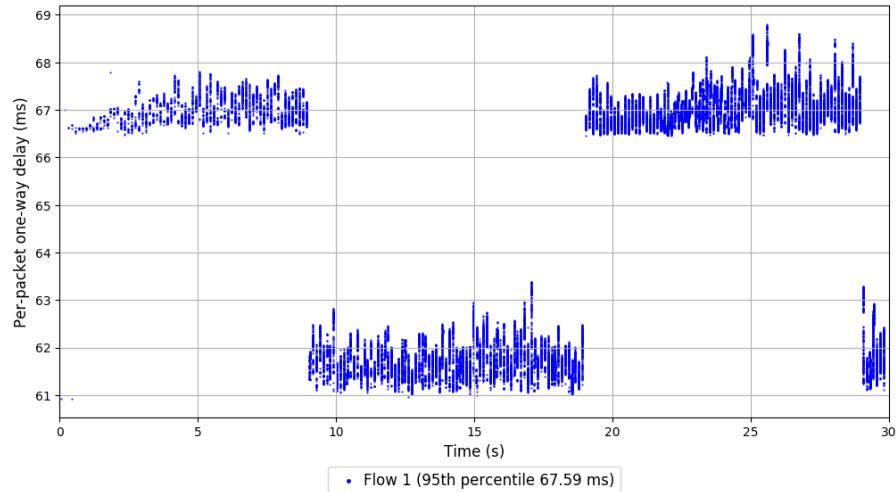
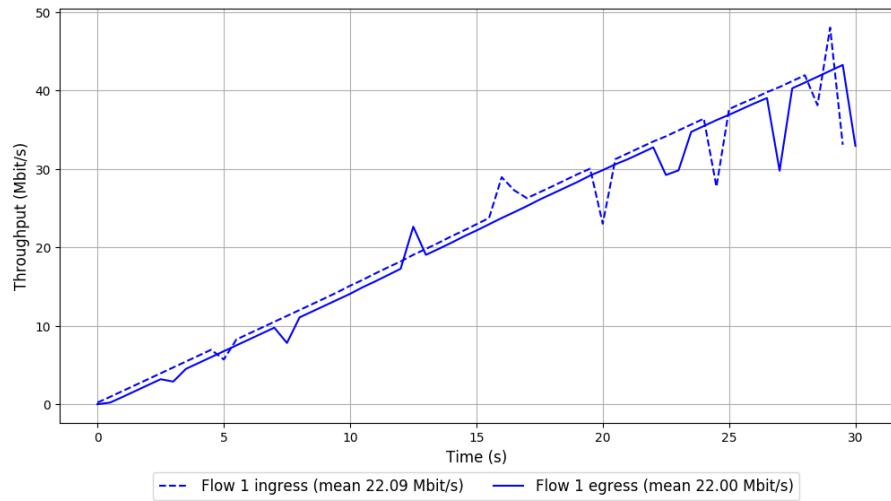


Run 5: Statistics of LEDBAT

```
Start at: 2018-08-11 16:19:16
End at: 2018-08-11 16:19:46
Local clock offset: -0.639 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 67.591 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 67.591 ms
Loss rate: 0.84%
```

Run 5: Report of LEDBAT — Data Link

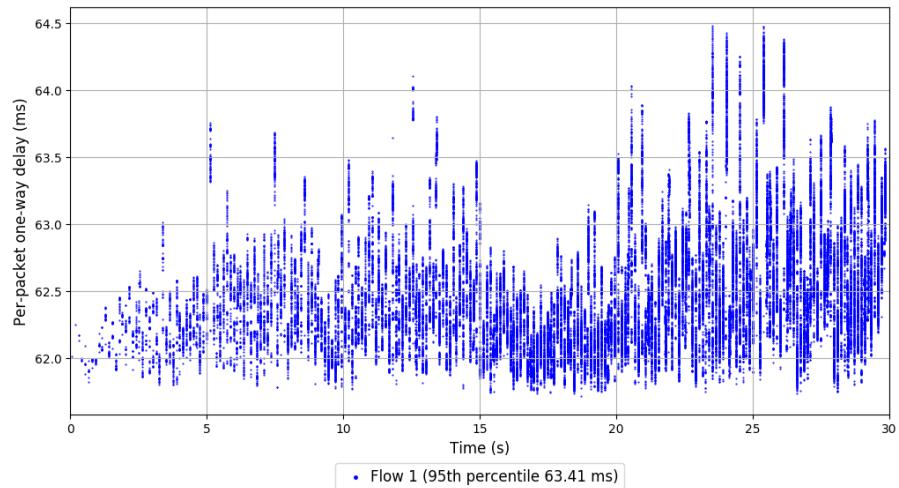
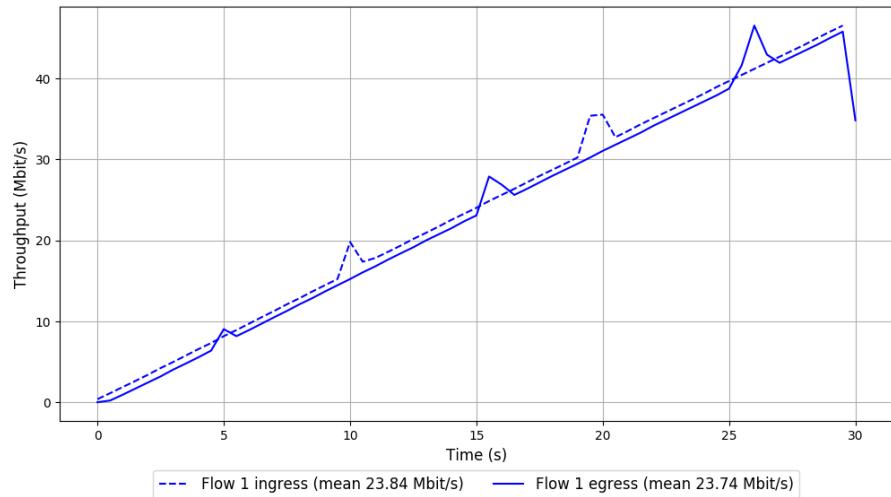


Run 6: Statistics of LEDBAT

```
Start at: 2018-08-11 16:41:50
End at: 2018-08-11 16:42:20
Local clock offset: -0.679 ms
Remote clock offset: -0.746 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 63.409 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 63.409 ms
Loss rate: 0.82%
```

Run 6: Report of LEDBAT — Data Link

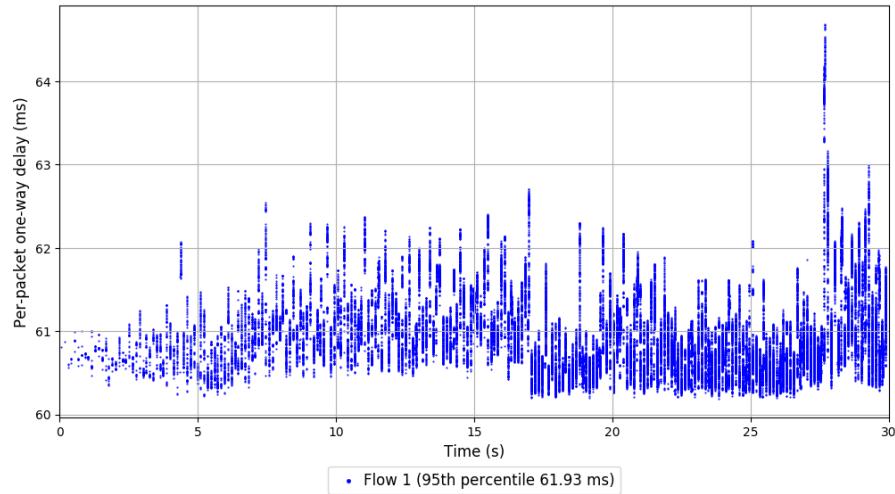
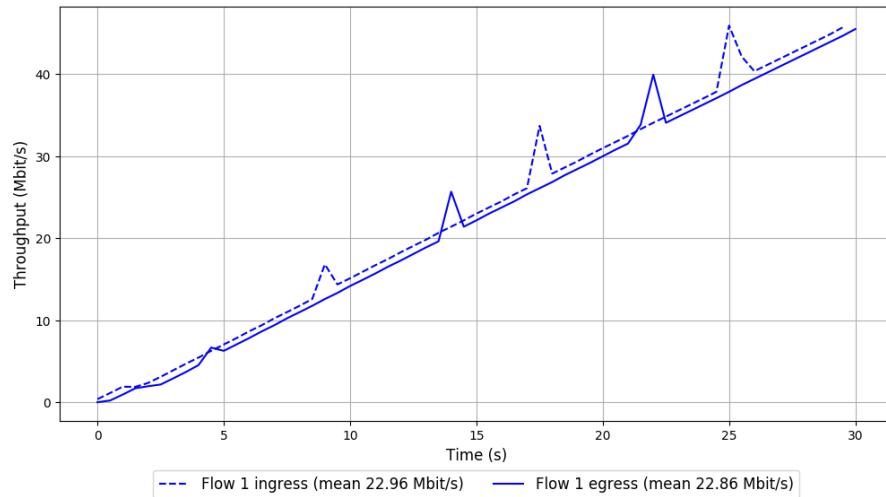


Run 7: Statistics of LEDBAT

```
Start at: 2018-08-11 17:04:58
End at: 2018-08-11 17:05:28
Local clock offset: -0.056 ms
Remote clock offset: 0.53 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 61.929 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 61.929 ms
Loss rate: 0.84%
```

Run 7: Report of LEDBAT — Data Link

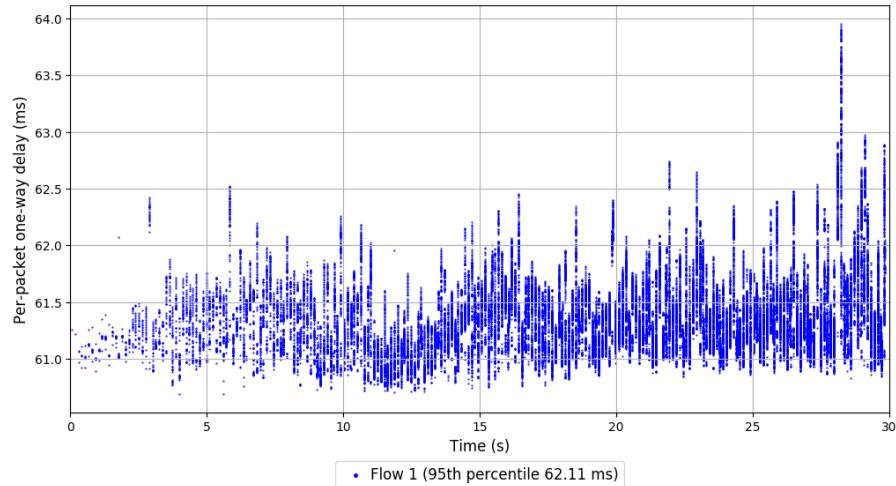
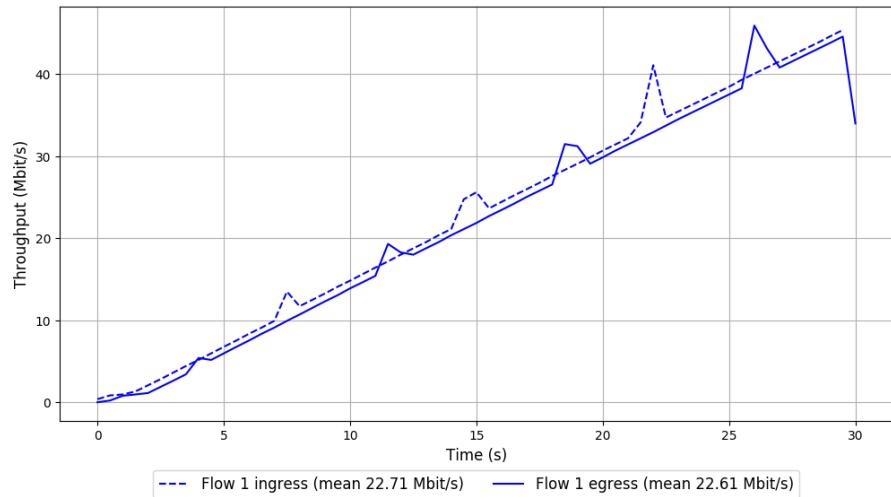


Run 8: Statistics of LEDBAT

```
Start at: 2018-08-11 17:28:05
End at: 2018-08-11 17:28:35
Local clock offset: 0.372 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.61 Mbit/s
95th percentile per-packet one-way delay: 62.113 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.61 Mbit/s
95th percentile per-packet one-way delay: 62.113 ms
Loss rate: 0.84%
```

Run 8: Report of LEDBAT — Data Link

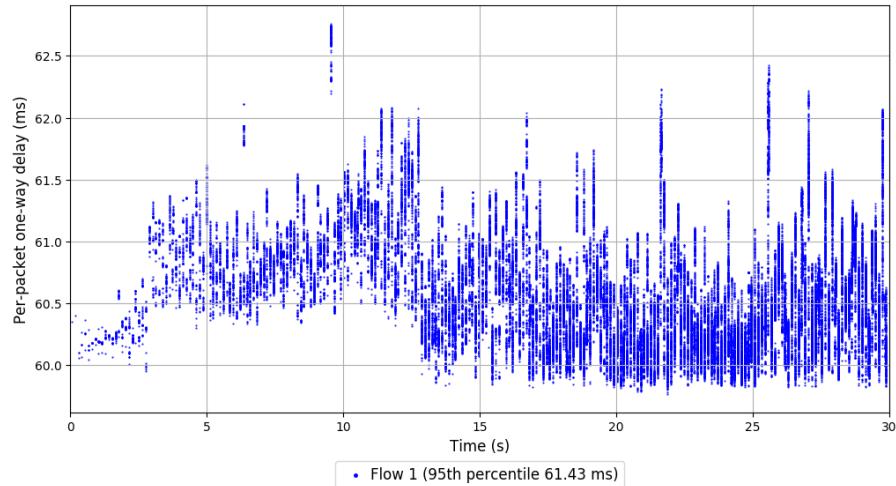
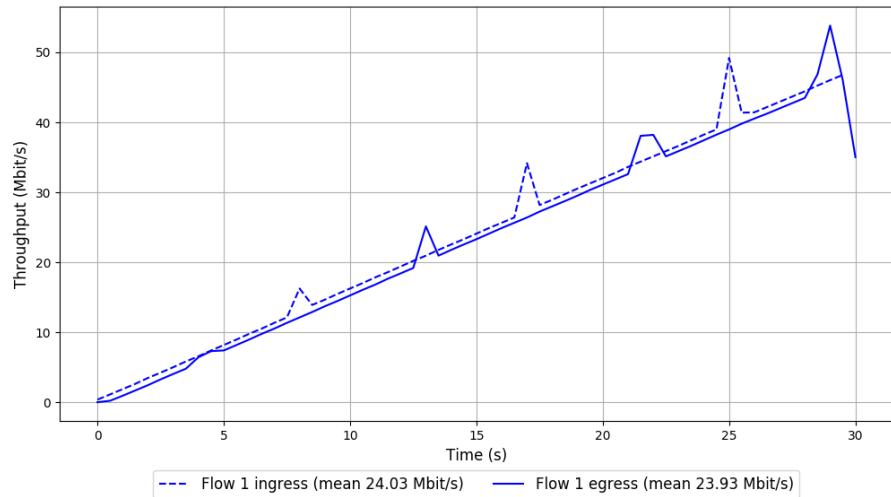


Run 9: Statistics of LEDBAT

```
Start at: 2018-08-11 17:51:02
End at: 2018-08-11 17:51:32
Local clock offset: 0.556 ms
Remote clock offset: 0.86 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 61.431 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 61.431 ms
Loss rate: 0.82%
```

Run 9: Report of LEDBAT — Data Link

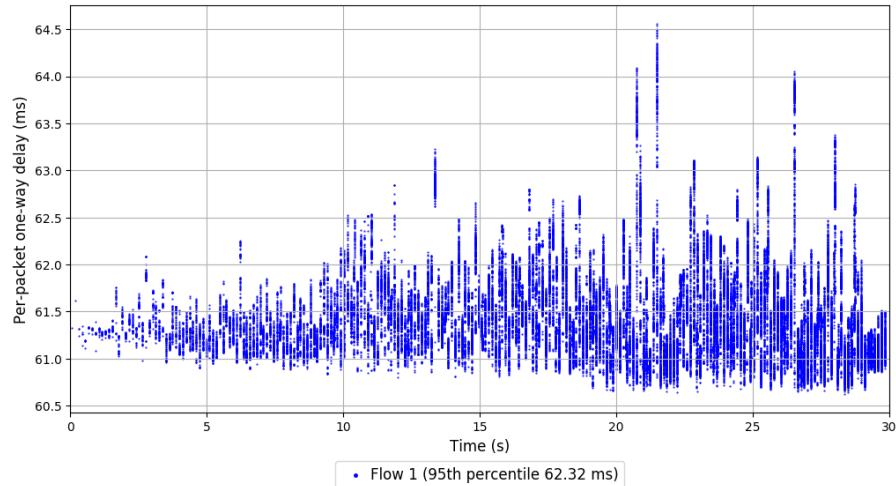
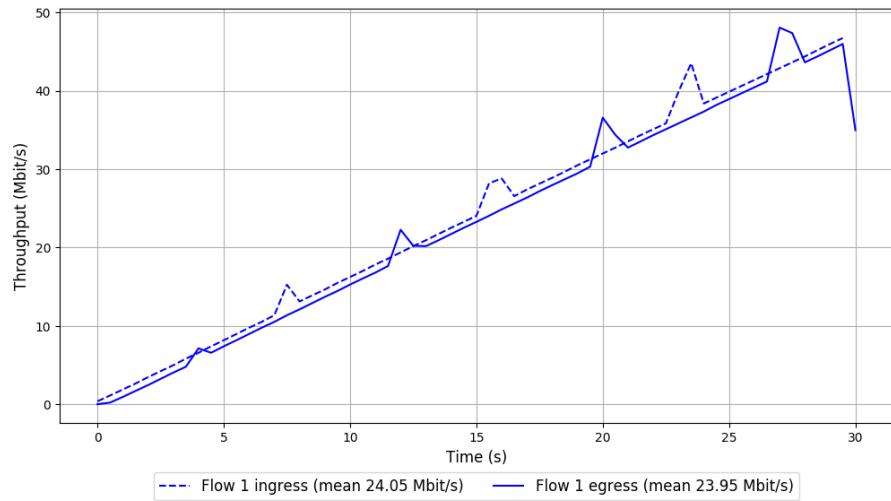


Run 10: Statistics of LEDBAT

```
Start at: 2018-08-11 18:13:56
End at: 2018-08-11 18:14:26
Local clock offset: 0.776 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-08-11 19:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 62.319 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 62.319 ms
Loss rate: 0.82%
```

Run 10: Report of LEDBAT — Data Link

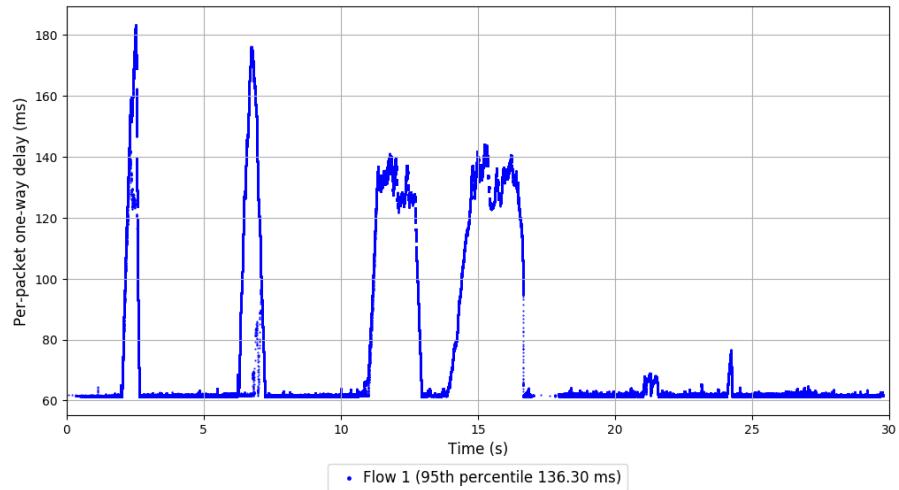
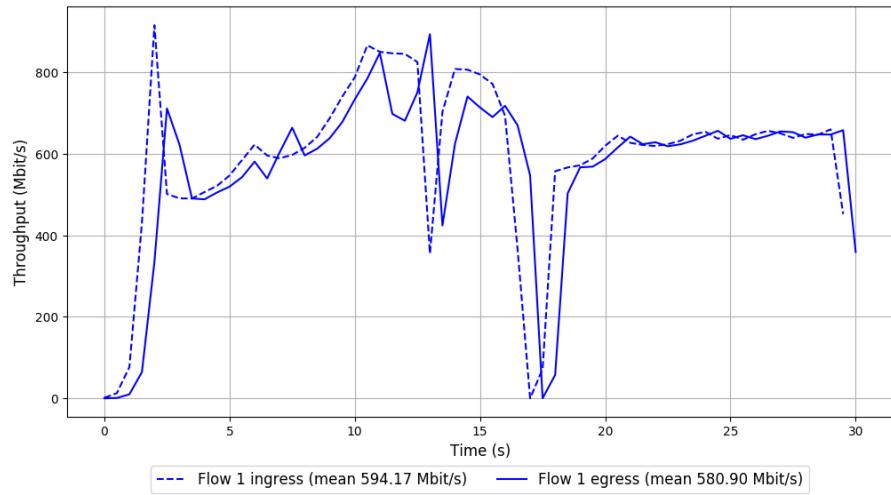


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-08-11 14:53:45
End at: 2018-08-11 14:54:15
Local clock offset: -0.421 ms
Remote clock offset: -0.598 ms

# Below is generated by plot.py at 2018-08-11 19:56:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 580.90 Mbit/s
95th percentile per-packet one-way delay: 136.303 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 580.90 Mbit/s
95th percentile per-packet one-way delay: 136.303 ms
Loss rate: 2.65%
```

Run 1: Report of PCC-Allegro — Data Link

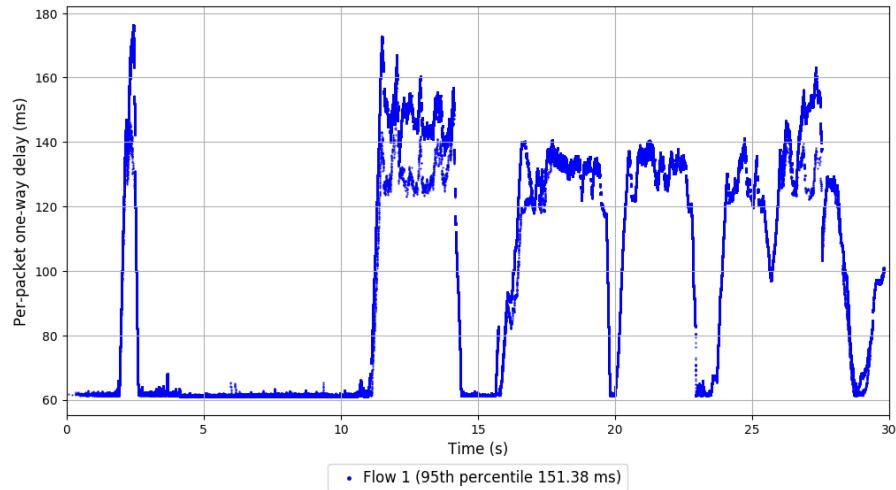
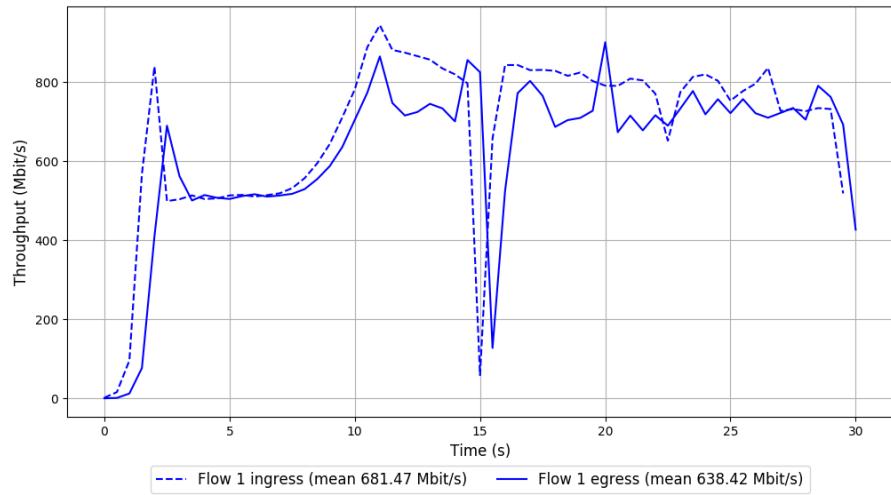


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-08-11 15:16:30
End at: 2018-08-11 15:17:00
Local clock offset: -0.434 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2018-08-11 19:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 638.42 Mbit/s
95th percentile per-packet one-way delay: 151.376 ms
Loss rate: 6.70%
-- Flow 1:
Average throughput: 638.42 Mbit/s
95th percentile per-packet one-way delay: 151.376 ms
Loss rate: 6.70%
```

Run 2: Report of PCC-Allegro — Data Link

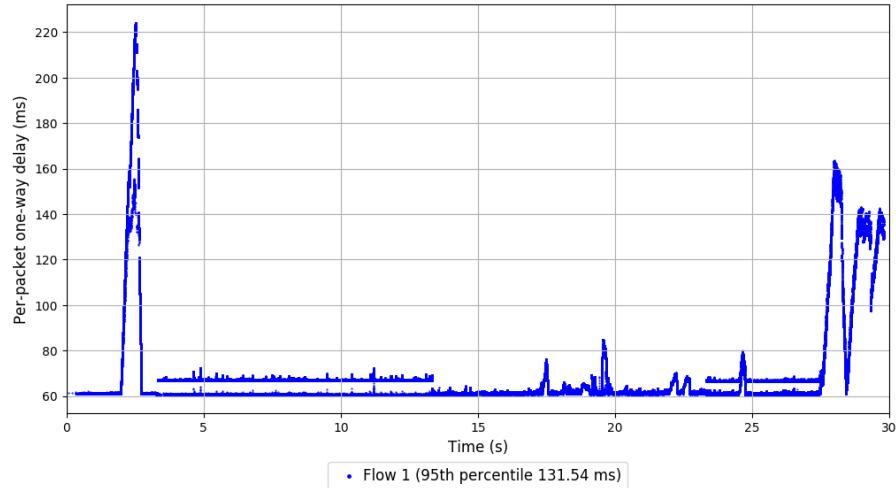
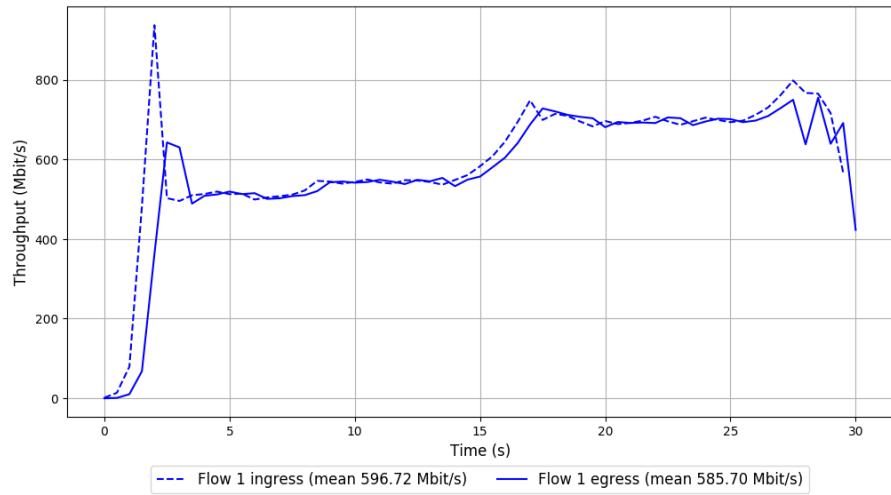


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-08-11 15:39:31
End at: 2018-08-11 15:40:01
Local clock offset: -0.546 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-08-11 19:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 585.70 Mbit/s
95th percentile per-packet one-way delay: 131.536 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 585.70 Mbit/s
95th percentile per-packet one-way delay: 131.536 ms
Loss rate: 2.27%
```

Run 3: Report of PCC-Allegro — Data Link

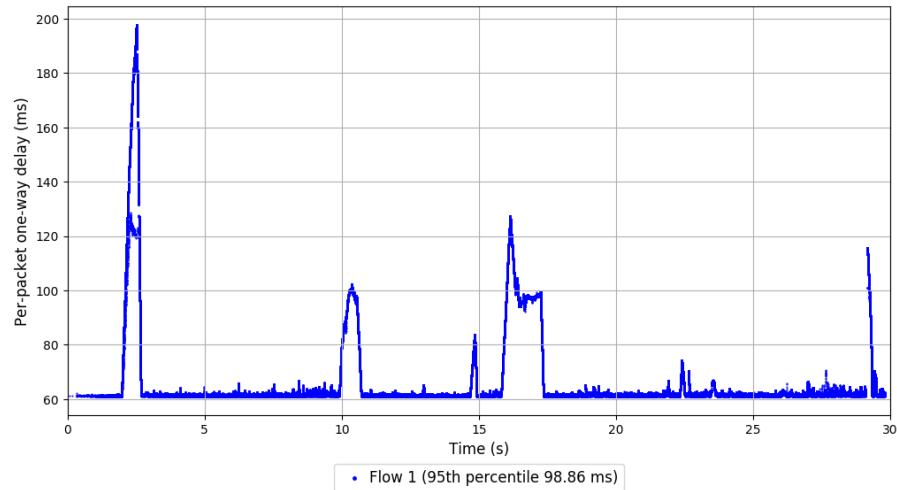
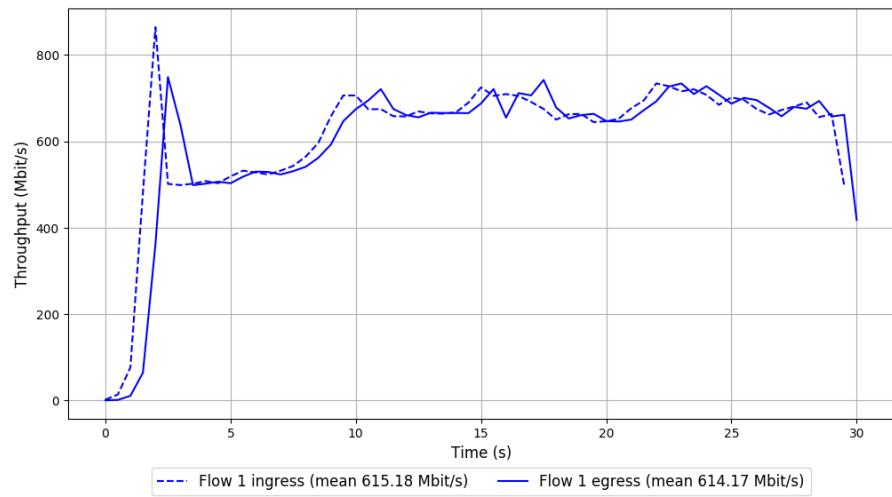


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-08-11 16:02:02
End at: 2018-08-11 16:02:32
Local clock offset: -0.625 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-08-11 19:57:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 614.17 Mbit/s
95th percentile per-packet one-way delay: 98.859 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 614.17 Mbit/s
95th percentile per-packet one-way delay: 98.859 ms
Loss rate: 0.59%
```

Run 4: Report of PCC-Allegro — Data Link

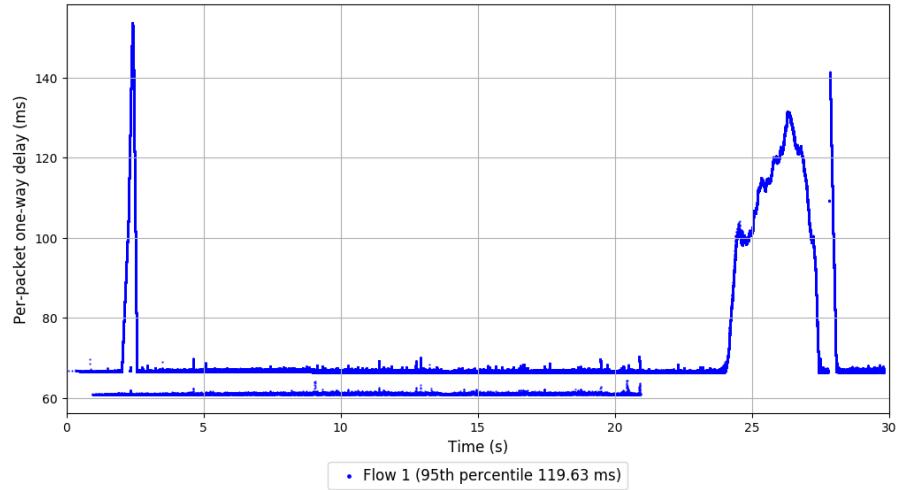
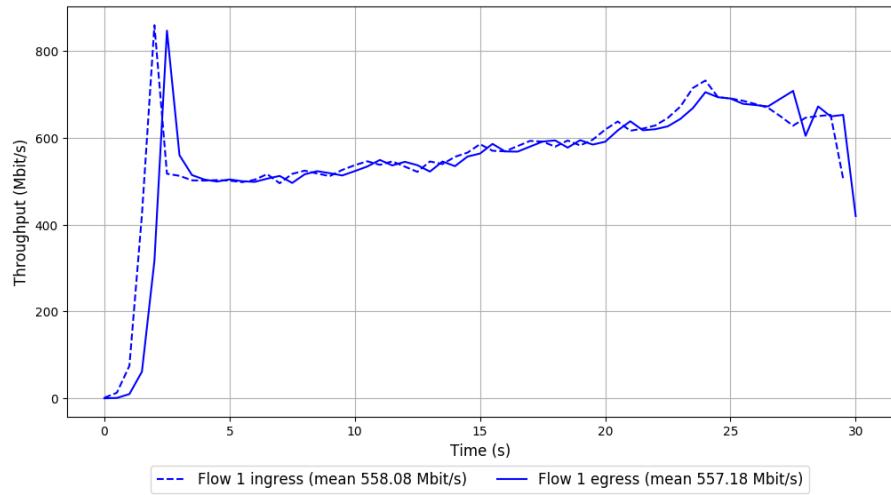


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-08-11 16:24:26
End at: 2018-08-11 16:24:56
Local clock offset: -0.638 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-08-11 20:00:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 557.18 Mbit/s
95th percentile per-packet one-way delay: 119.633 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 557.18 Mbit/s
95th percentile per-packet one-way delay: 119.633 ms
Loss rate: 0.59%
```

Run 5: Report of PCC-Allegro — Data Link

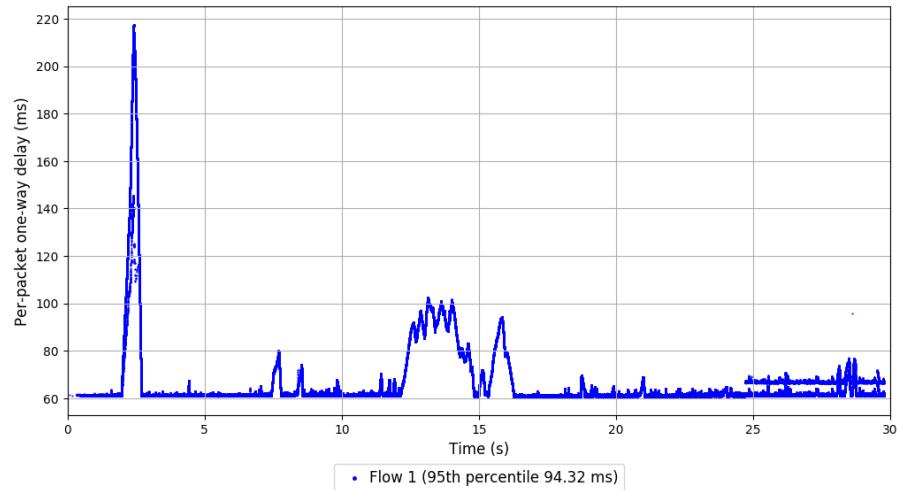
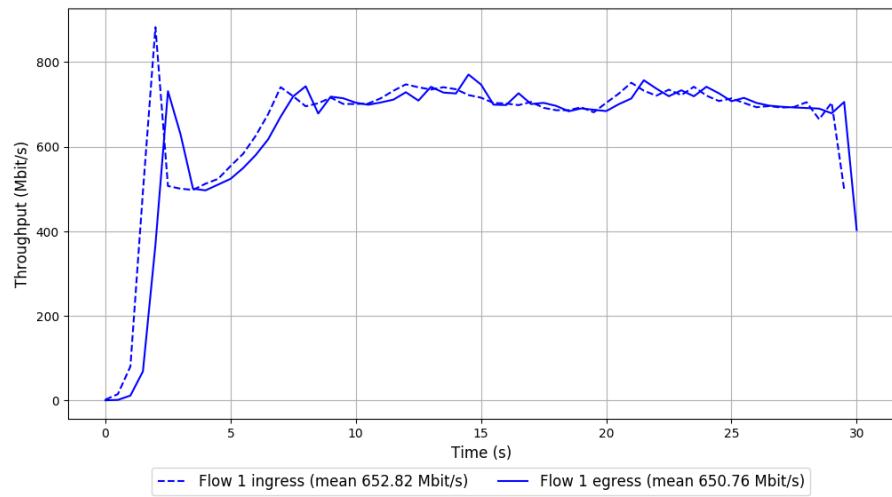


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-08-11 16:47:02
End at: 2018-08-11 16:47:32
Local clock offset: -0.704 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-08-11 20:02:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 650.76 Mbit/s
95th percentile per-packet one-way delay: 94.322 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 650.76 Mbit/s
95th percentile per-packet one-way delay: 94.322 ms
Loss rate: 0.75%
```

Run 6: Report of PCC-Allegro — Data Link

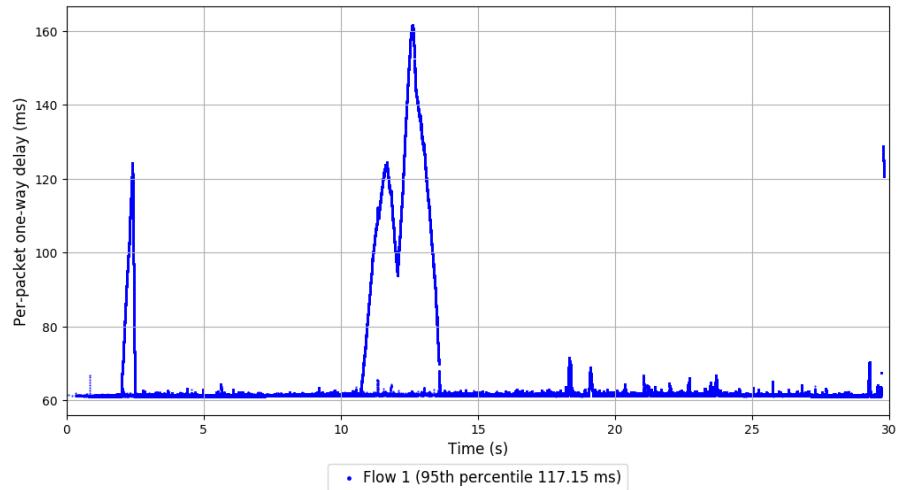
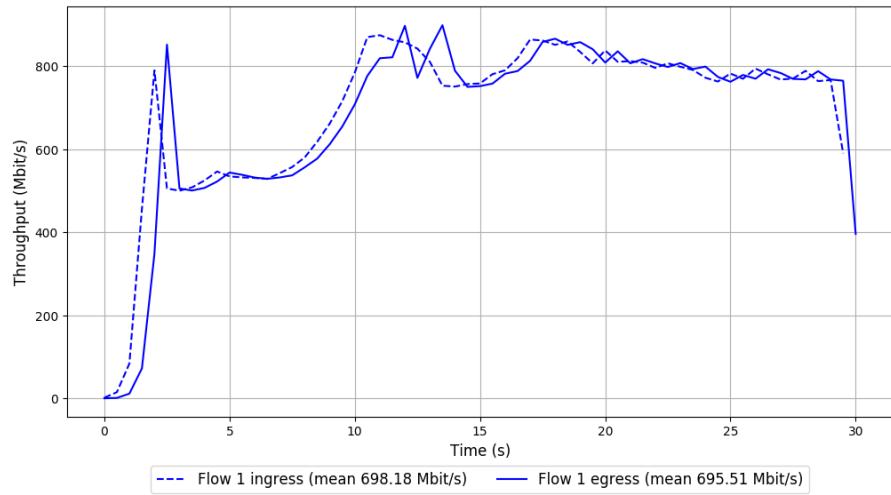


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-08-11 17:10:07
End at: 2018-08-11 17:10:37
Local clock offset: 0.136 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2018-08-11 20:04:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 695.51 Mbit/s
95th percentile per-packet one-way delay: 117.154 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 695.51 Mbit/s
95th percentile per-packet one-way delay: 117.154 ms
Loss rate: 0.79%
```

Run 7: Report of PCC-Allegro — Data Link

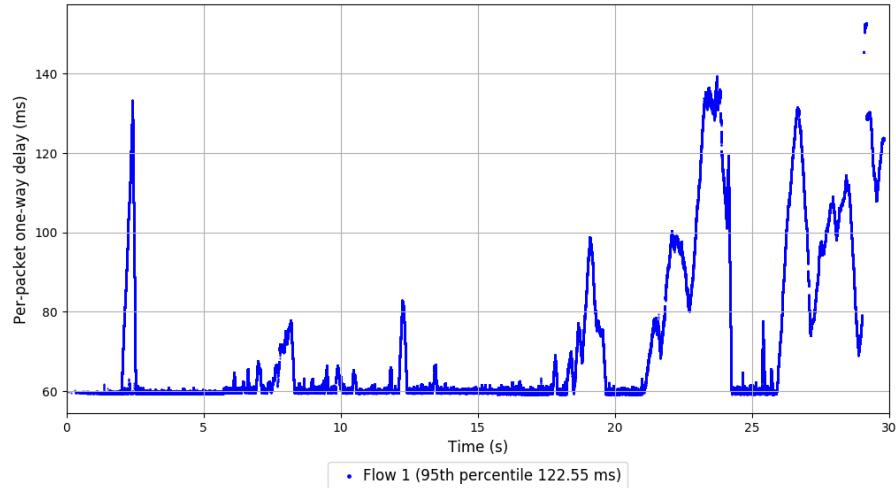
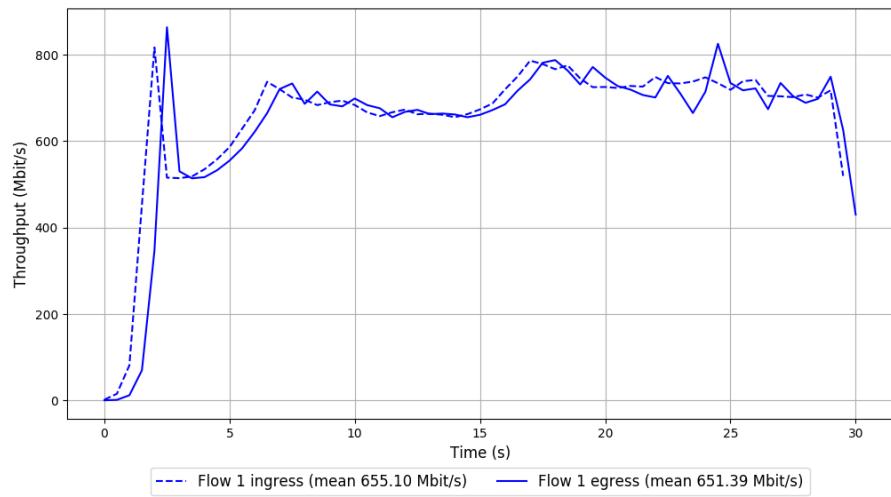


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-08-11 17:33:09
End at: 2018-08-11 17:38:39
Local clock offset: 0.434 ms
Remote clock offset: 1.497 ms

# Below is generated by plot.py at 2018-08-11 20:06:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 651.39 Mbit/s
95th percentile per-packet one-way delay: 122.552 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 651.39 Mbit/s
95th percentile per-packet one-way delay: 122.552 ms
Loss rate: 0.98%
```

Run 8: Report of PCC-Allegro — Data Link

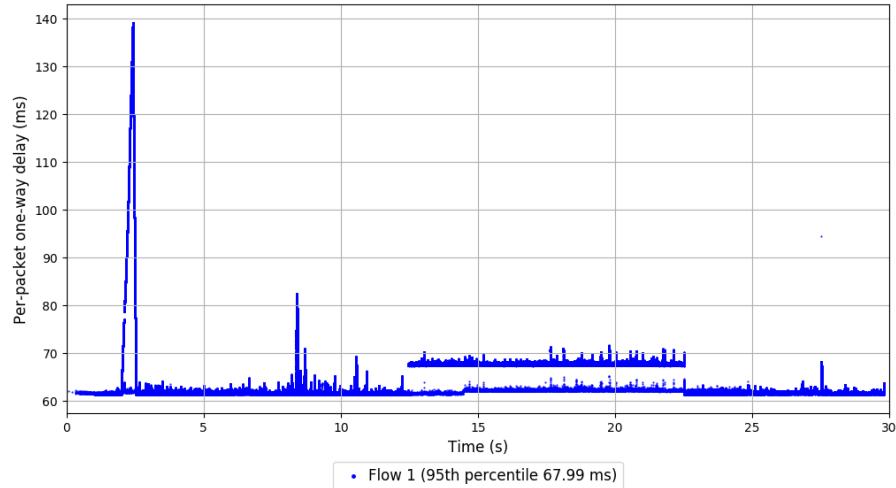
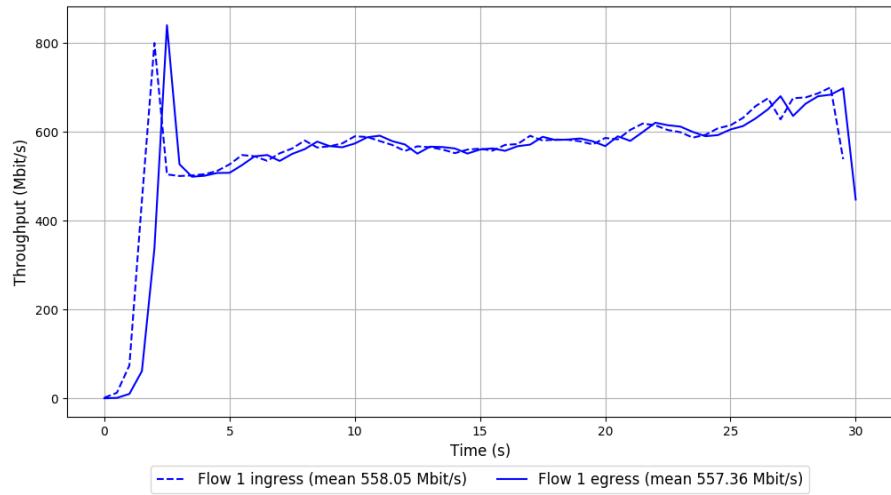


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-08-11 17:56:12
End at: 2018-08-11 17:56:42
Local clock offset: 0.623 ms
Remote clock offset: -0.617 ms

# Below is generated by plot.py at 2018-08-11 20:06:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 557.36 Mbit/s
95th percentile per-packet one-way delay: 67.990 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 557.36 Mbit/s
95th percentile per-packet one-way delay: 67.990 ms
Loss rate: 0.53%
```

Run 9: Report of PCC-Allegro — Data Link

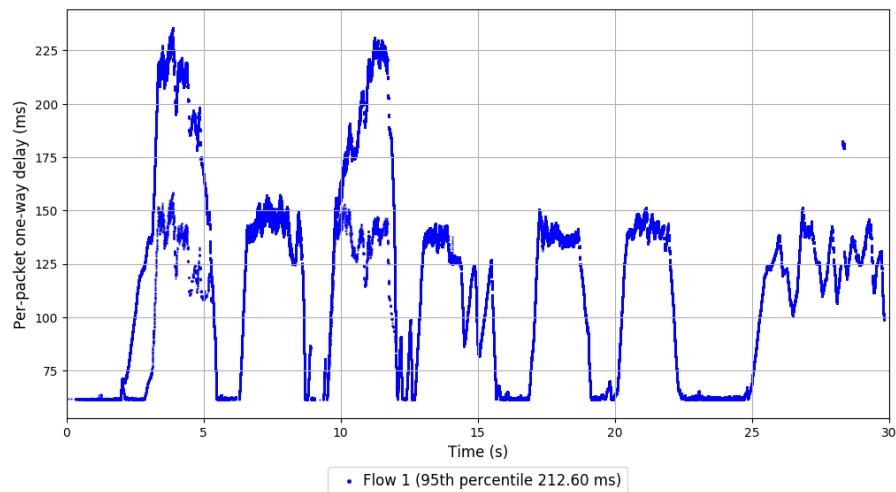
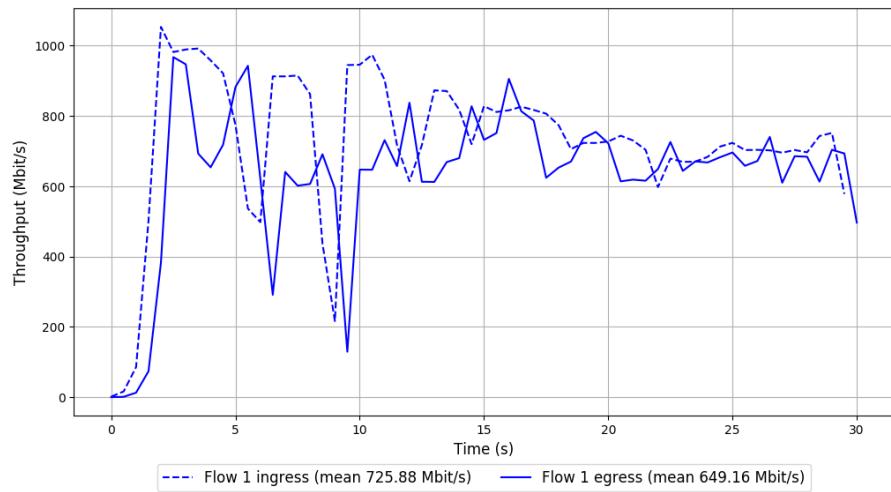


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-08-11 18:19:00
End at: 2018-08-11 18:19:30
Local clock offset: 0.875 ms
Remote clock offset: -0.659 ms

# Below is generated by plot.py at 2018-08-11 20:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 649.16 Mbit/s
95th percentile per-packet one-way delay: 212.598 ms
Loss rate: 10.94%
-- Flow 1:
Average throughput: 649.16 Mbit/s
95th percentile per-packet one-way delay: 212.598 ms
Loss rate: 10.94%
```

Run 10: Report of PCC-Allegro — Data Link

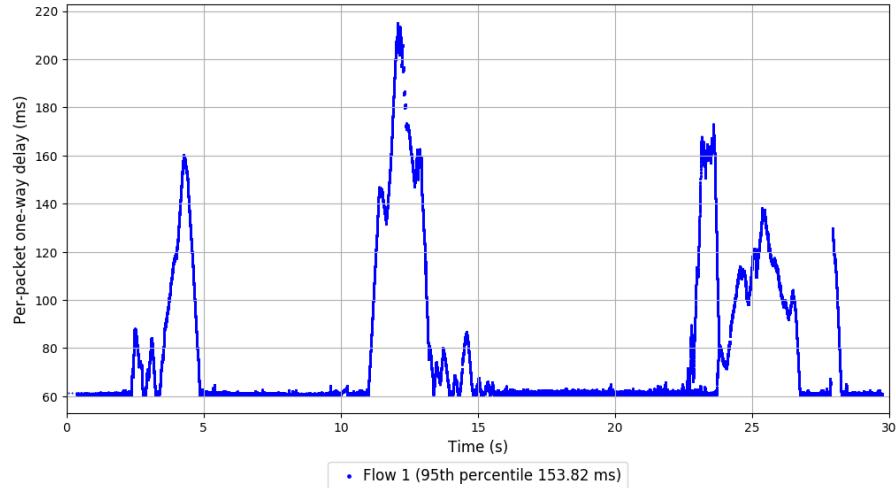
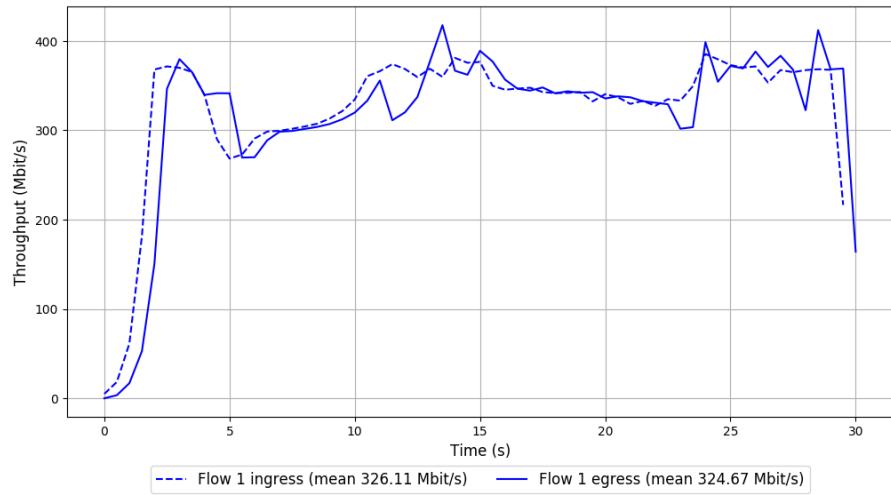


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-08-11 14:37:48
End at: 2018-08-11 14:38:18
Local clock offset: -0.391 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-08-11 20:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 324.67 Mbit/s
95th percentile per-packet one-way delay: 153.825 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 324.67 Mbit/s
95th percentile per-packet one-way delay: 153.825 ms
Loss rate: 0.85%
```

Run 1: Report of PCC-Expr — Data Link

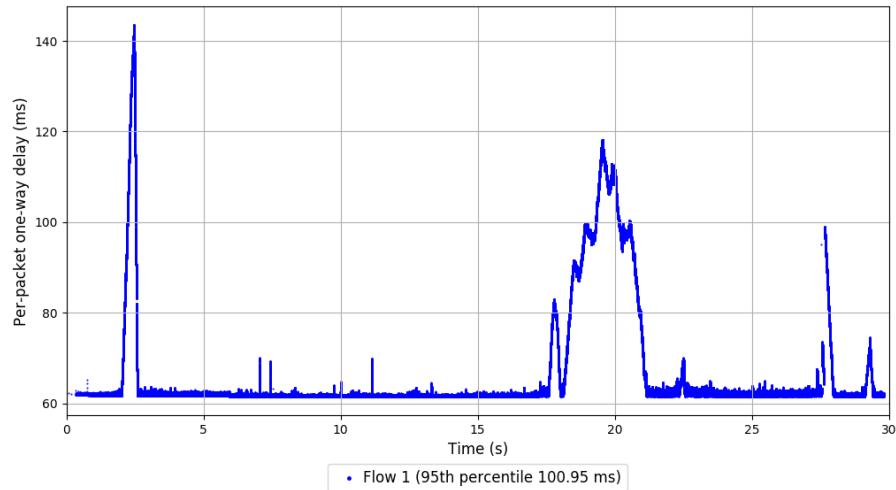
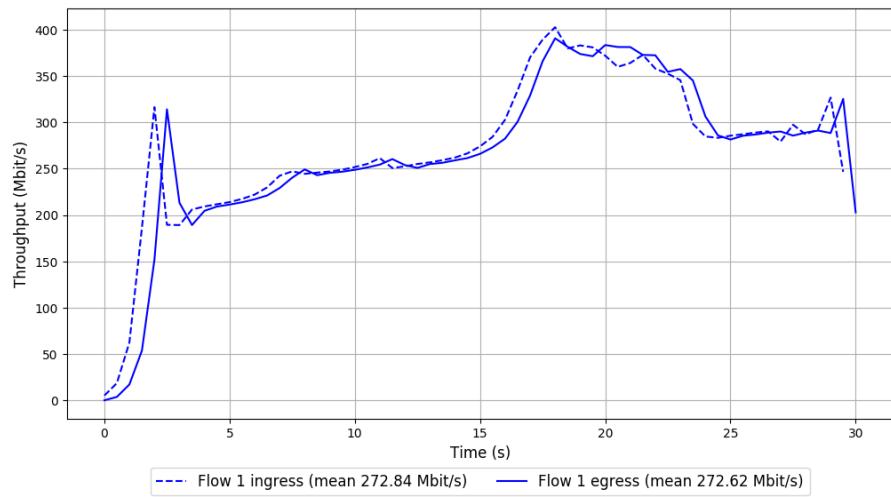


Run 2: Statistics of PCC-Expr

```
Start at: 2018-08-11 15:00:38
End at: 2018-08-11 15:01:08
Local clock offset: -0.405 ms
Remote clock offset: -0.808 ms

# Below is generated by plot.py at 2018-08-11 20:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.62 Mbit/s
95th percentile per-packet one-way delay: 100.947 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 272.62 Mbit/s
95th percentile per-packet one-way delay: 100.947 ms
Loss rate: 0.51%
```

Run 2: Report of PCC-Expr — Data Link

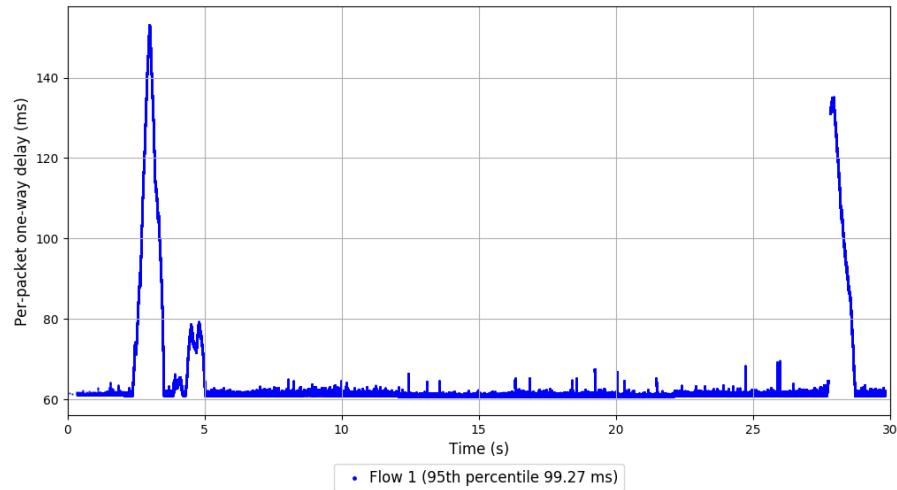
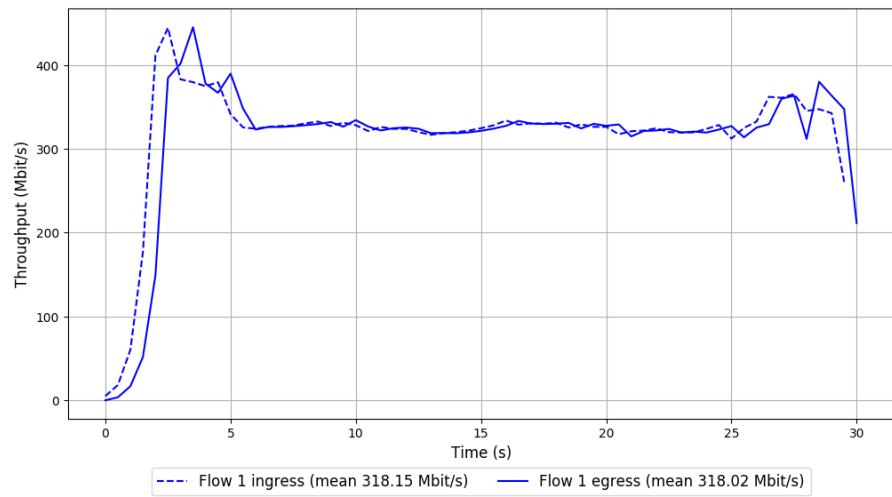


```
Run 3: Statistics of PCC-Expr
```

```
Start at: 2018-08-11 15:23:22
End at: 2018-08-11 15:23:52
Local clock offset: -0.462 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-08-11 20:11:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.02 Mbit/s
95th percentile per-packet one-way delay: 99.266 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 318.02 Mbit/s
95th percentile per-packet one-way delay: 99.266 ms
Loss rate: 0.47%
```

Run 3: Report of PCC-Expr — Data Link

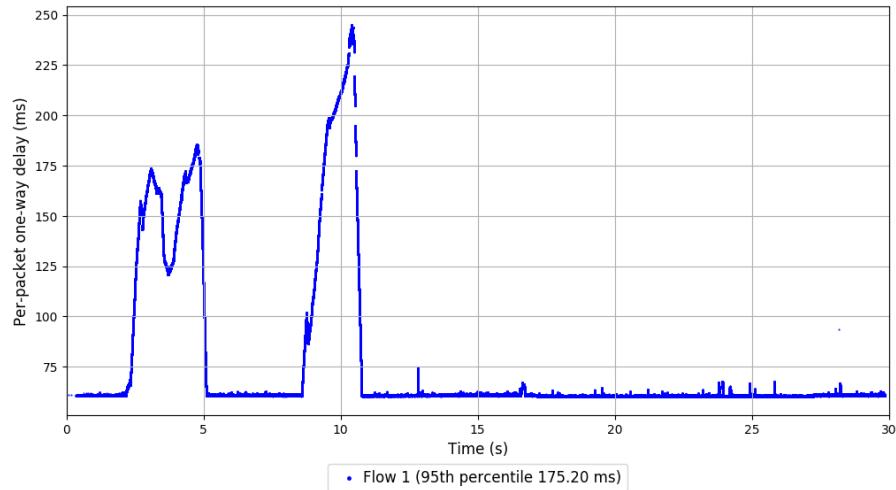
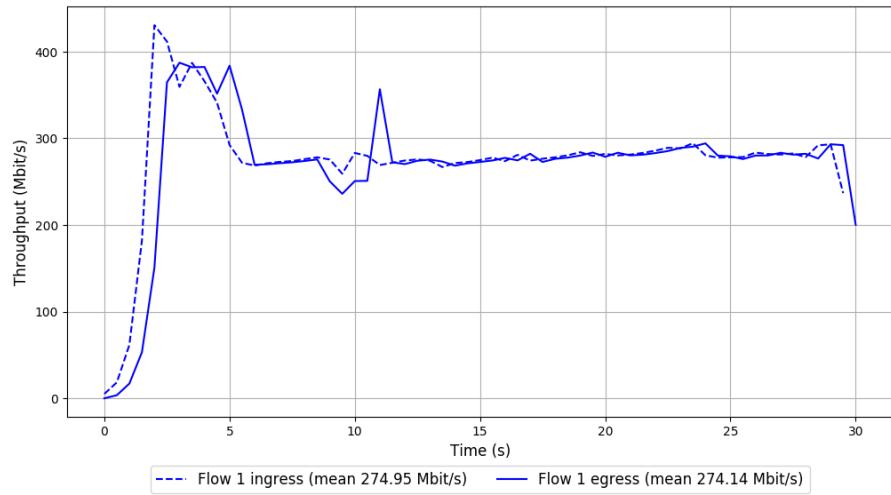


Run 4: Statistics of PCC-Expr

```
Start at: 2018-08-11 15:46:27
End at: 2018-08-11 15:46:57
Local clock offset: -0.572 ms
Remote clock offset: 0.44 ms

# Below is generated by plot.py at 2018-08-11 20:12:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.14 Mbit/s
95th percentile per-packet one-way delay: 175.202 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 274.14 Mbit/s
95th percentile per-packet one-way delay: 175.202 ms
Loss rate: 0.71%
```

Run 4: Report of PCC-Expr — Data Link

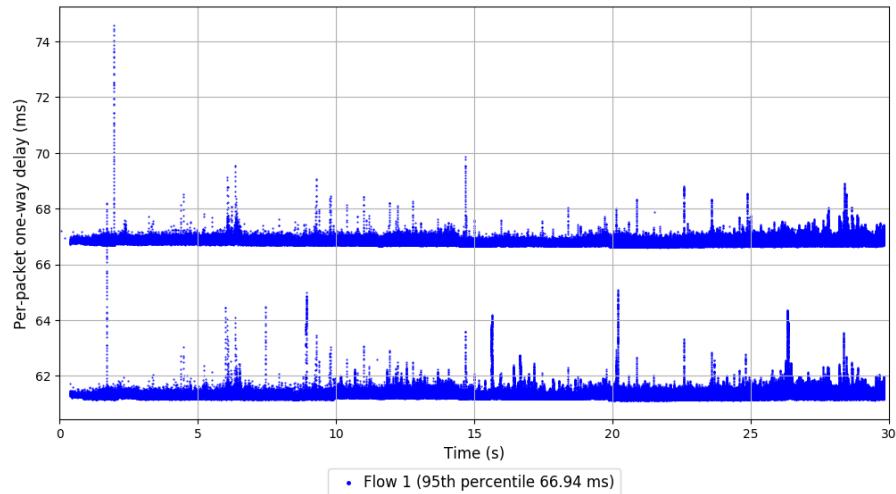
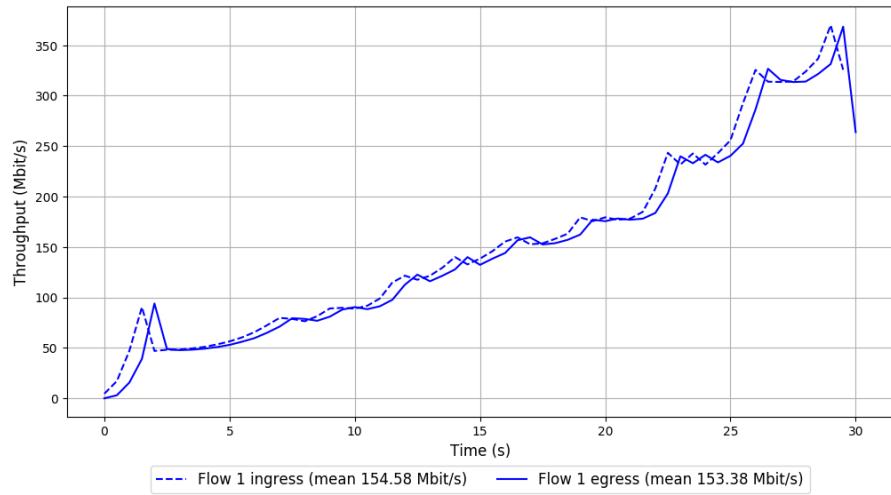


Run 5: Statistics of PCC-Expr

```
Start at: 2018-08-11 16:08:55
End at: 2018-08-11 16:09:25
Local clock offset: -0.578 ms
Remote clock offset: -0.304 ms

# Below is generated by plot.py at 2018-08-11 20:12:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 153.38 Mbit/s
95th percentile per-packet one-way delay: 66.939 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 153.38 Mbit/s
95th percentile per-packet one-way delay: 66.939 ms
Loss rate: 1.20%
```

Run 5: Report of PCC-Expr — Data Link

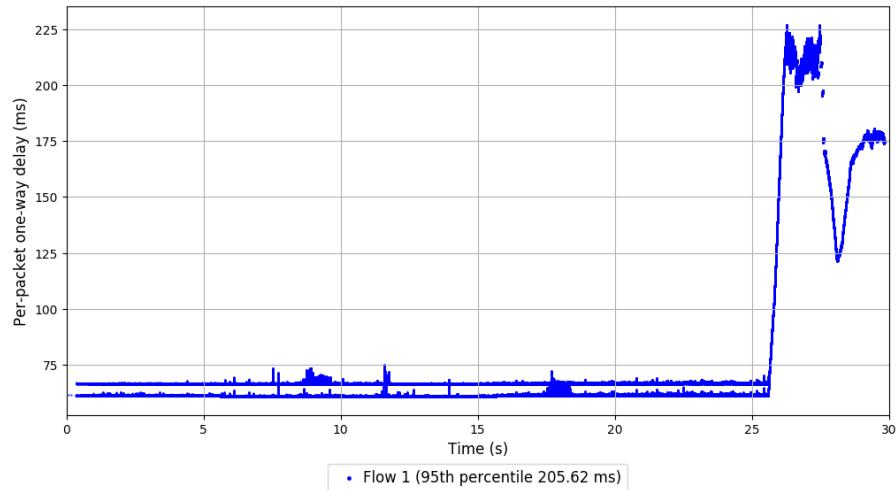
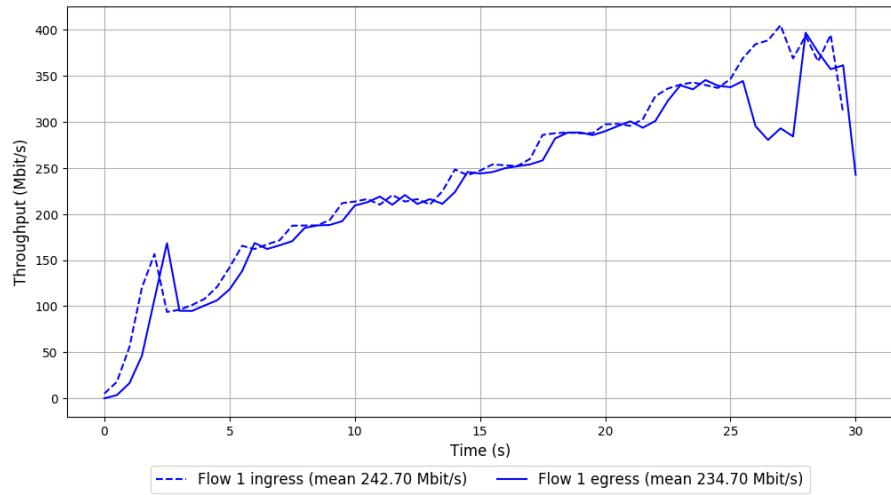


Run 6: Statistics of PCC-Expr

```
Start at: 2018-08-11 16:31:09
End at: 2018-08-11 16:31:39
Local clock offset: -0.616 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2018-08-11 20:14:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.70 Mbit/s
95th percentile per-packet one-way delay: 205.623 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 234.70 Mbit/s
95th percentile per-packet one-way delay: 205.623 ms
Loss rate: 3.72%
```

Run 6: Report of PCC-Expr — Data Link

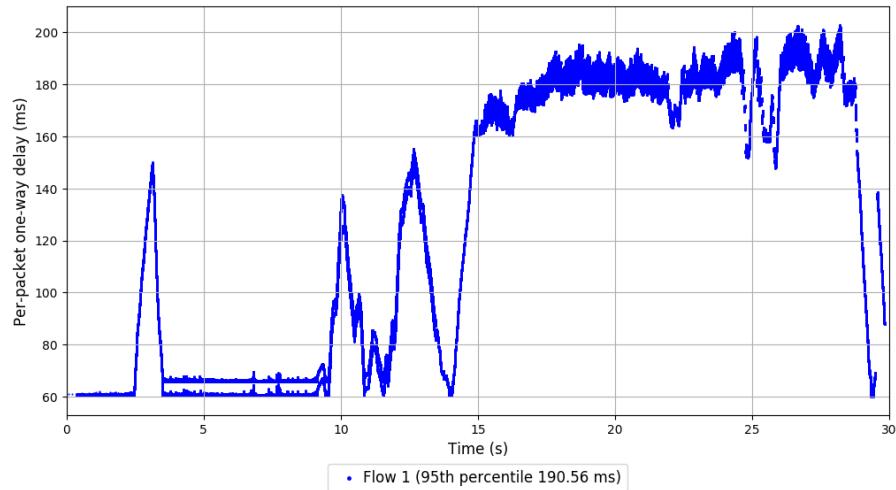
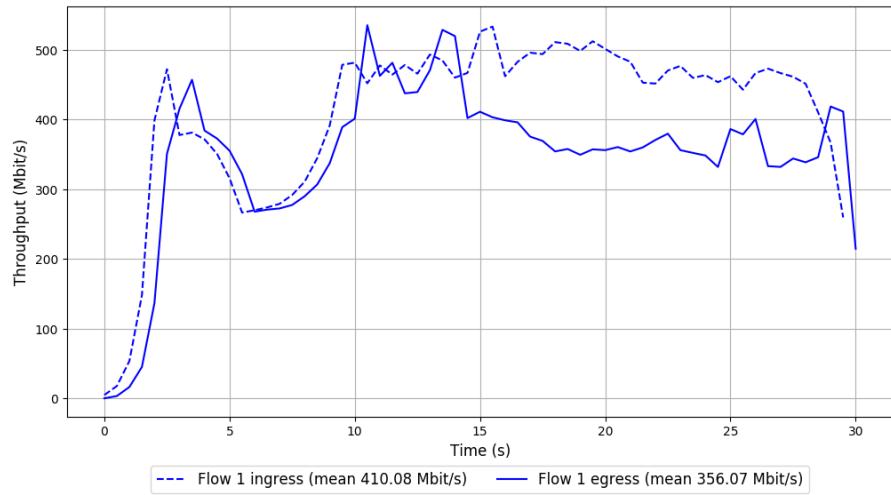


Run 7: Statistics of PCC-Expr

```
Start at: 2018-08-11 16:54:01
End at: 2018-08-11 16:54:31
Local clock offset: -0.595 ms
Remote clock offset: 0.548 ms

# Below is generated by plot.py at 2018-08-11 20:19:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.07 Mbit/s
95th percentile per-packet one-way delay: 190.556 ms
Loss rate: 13.53%
-- Flow 1:
Average throughput: 356.07 Mbit/s
95th percentile per-packet one-way delay: 190.556 ms
Loss rate: 13.53%
```

Run 7: Report of PCC-Expr — Data Link

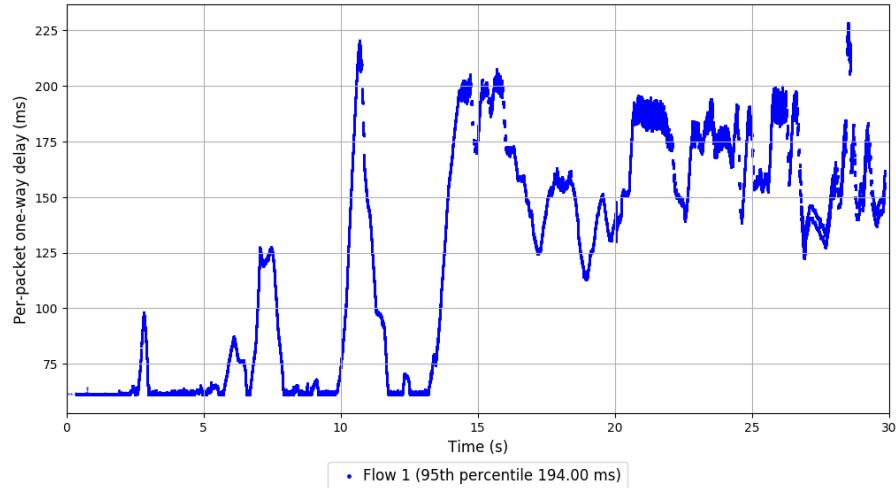
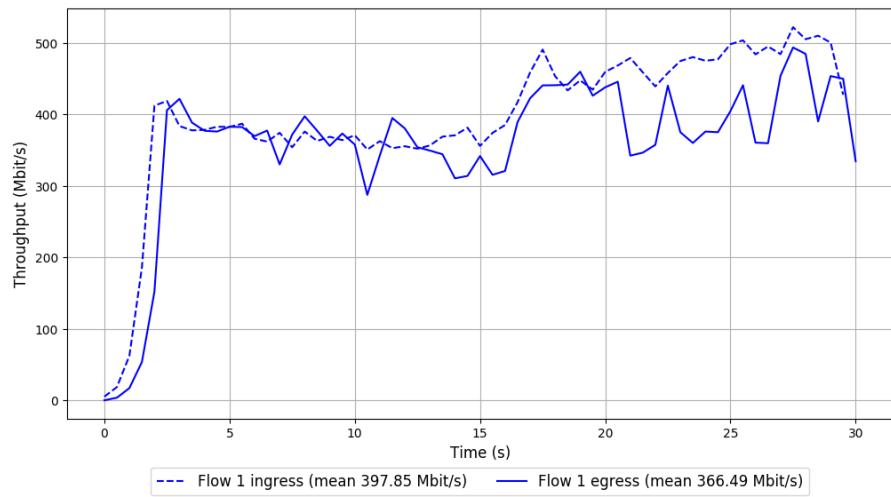


Run 8: Statistics of PCC-Expr

```
Start at: 2018-08-11 17:17:08
End at: 2018-08-11 17:17:38
Local clock offset: 0.19 ms
Remote clock offset: -0.235 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.49 Mbit/s
95th percentile per-packet one-way delay: 194.003 ms
Loss rate: 8.26%
-- Flow 1:
Average throughput: 366.49 Mbit/s
95th percentile per-packet one-way delay: 194.003 ms
Loss rate: 8.26%
```

Run 8: Report of PCC-Expr — Data Link

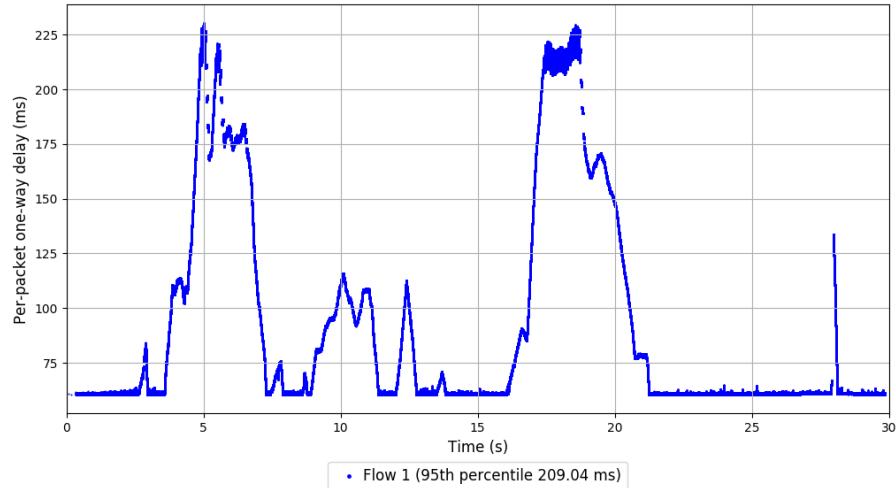
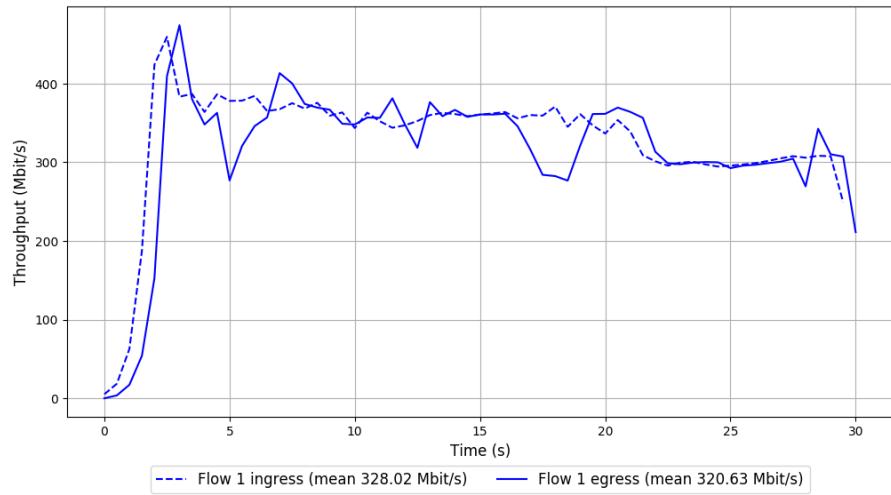


Run 9: Statistics of PCC-Expr

```
Start at: 2018-08-11 17:40:08
End at: 2018-08-11 17:40:38
Local clock offset: 0.426 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.63 Mbit/s
95th percentile per-packet one-way delay: 209.040 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 320.63 Mbit/s
95th percentile per-packet one-way delay: 209.040 ms
Loss rate: 2.65%
```

Run 9: Report of PCC-Expr — Data Link

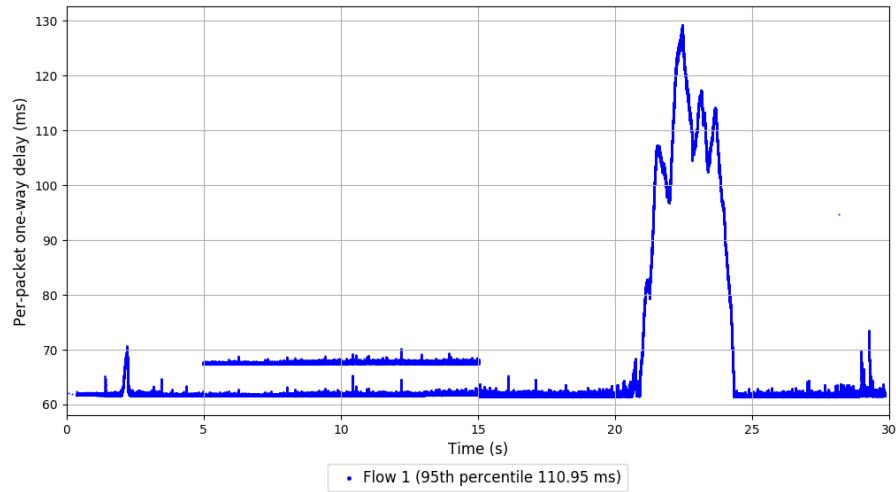
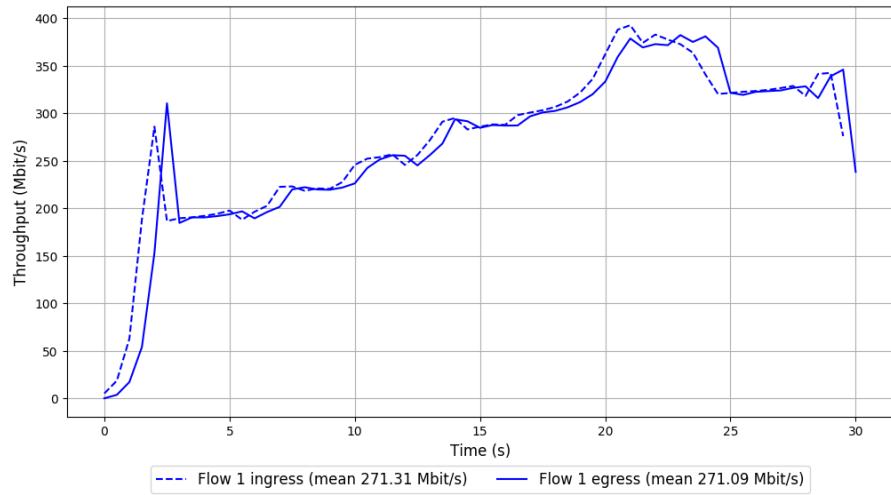


Run 10: Statistics of PCC-Expr

```
Start at: 2018-08-11 18:03:12
End at: 2018-08-11 18:03:42
Local clock offset: 0.668 ms
Remote clock offset: -0.785 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.09 Mbit/s
95th percentile per-packet one-way delay: 110.952 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 271.09 Mbit/s
95th percentile per-packet one-way delay: 110.952 ms
Loss rate: 0.49%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

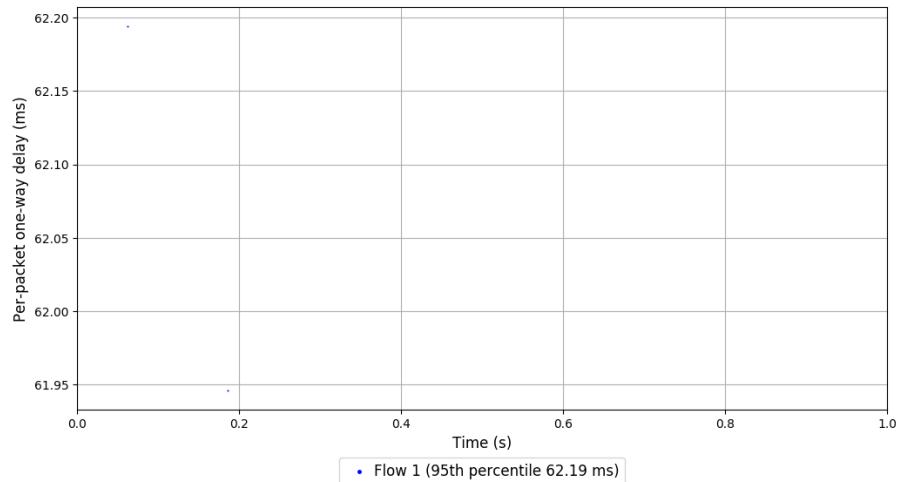
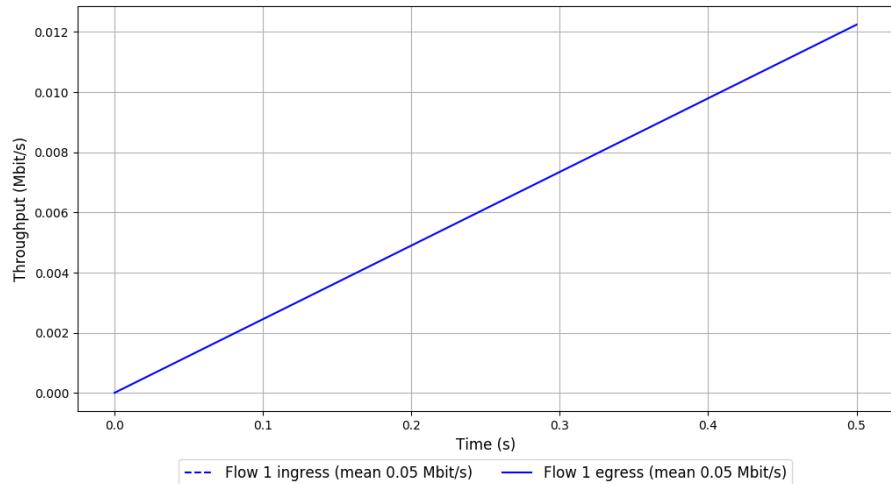
Start at: 2018-08-11 14:43:42

End at: 2018-08-11 14:44:12

Local clock offset: -0.418 ms

Remote clock offset: -0.277 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

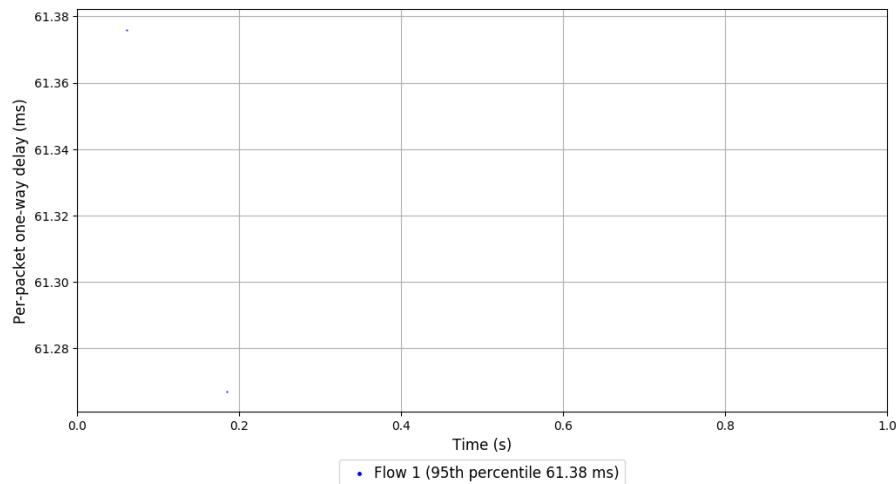
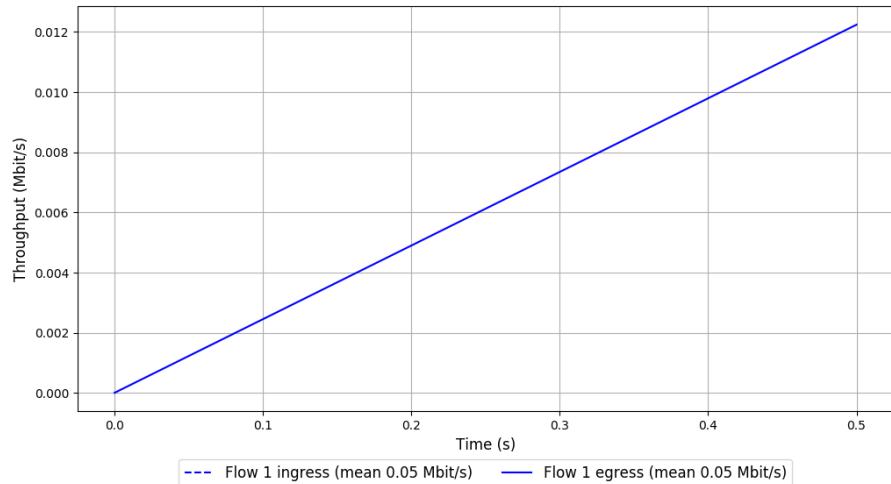
Start at: 2018-08-11 15:06:25

End at: 2018-08-11 15:06:55

Local clock offset: -0.443 ms

Remote clock offset: -0.245 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

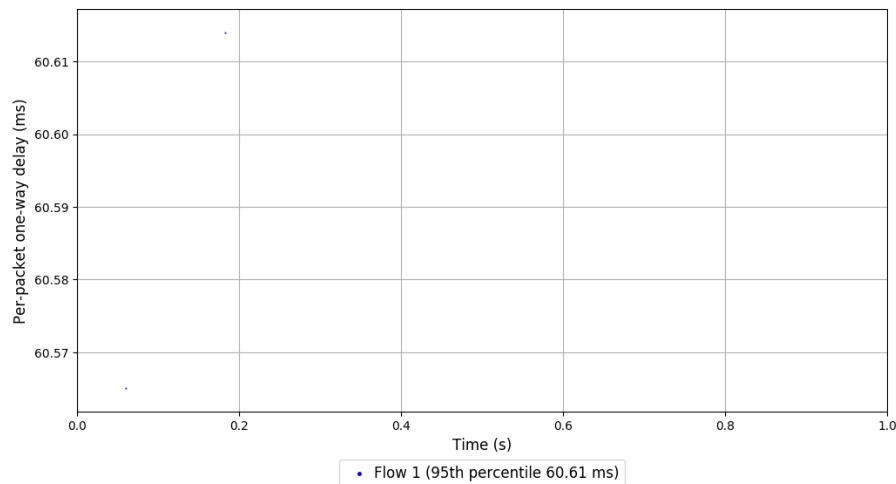
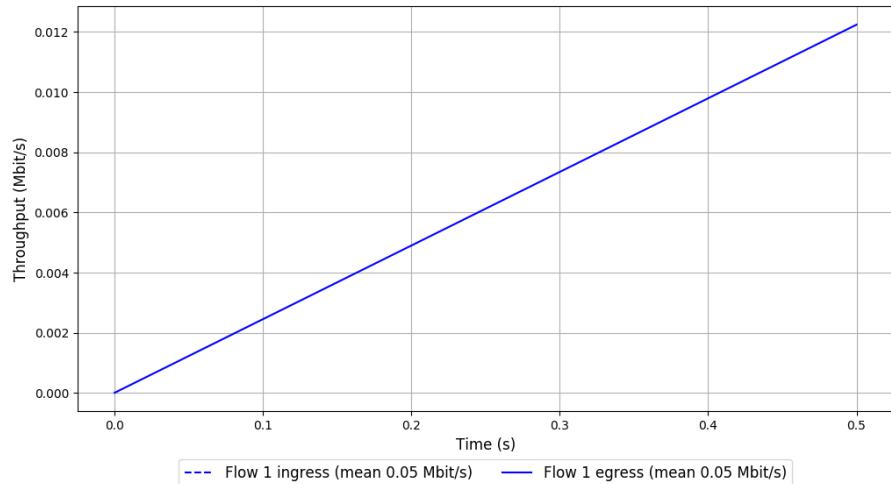
Start at: 2018-08-11 15:29:15

End at: 2018-08-11 15:29:45

Local clock offset: -0.507 ms

Remote clock offset: 0.258 ms

Run 3: Report of QUIC Cubic — Data Link

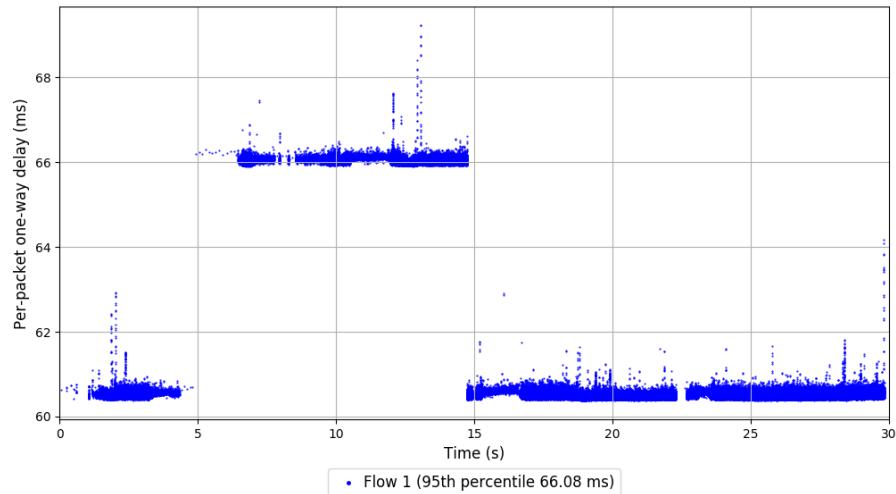
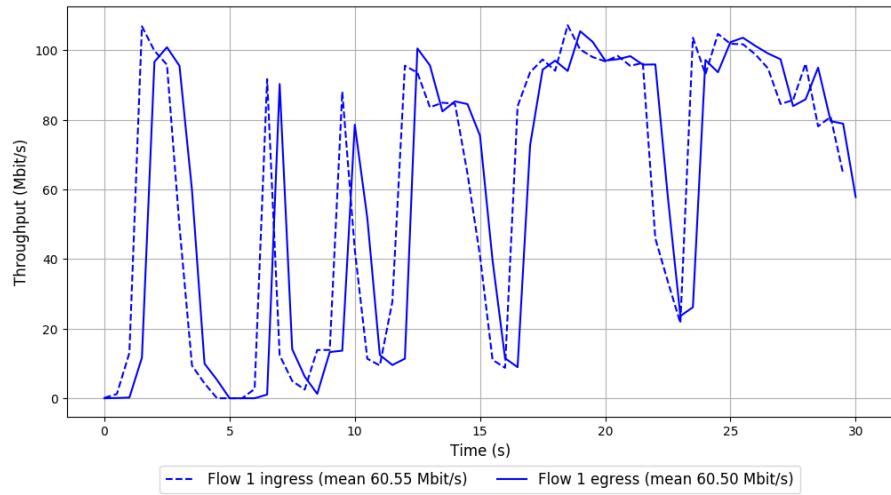


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-08-11 15:52:12
End at: 2018-08-11 15:52:42
Local clock offset: -0.551 ms
Remote clock offset: 0.415 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 66.079 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 66.079 ms
Loss rate: 0.50%
```

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

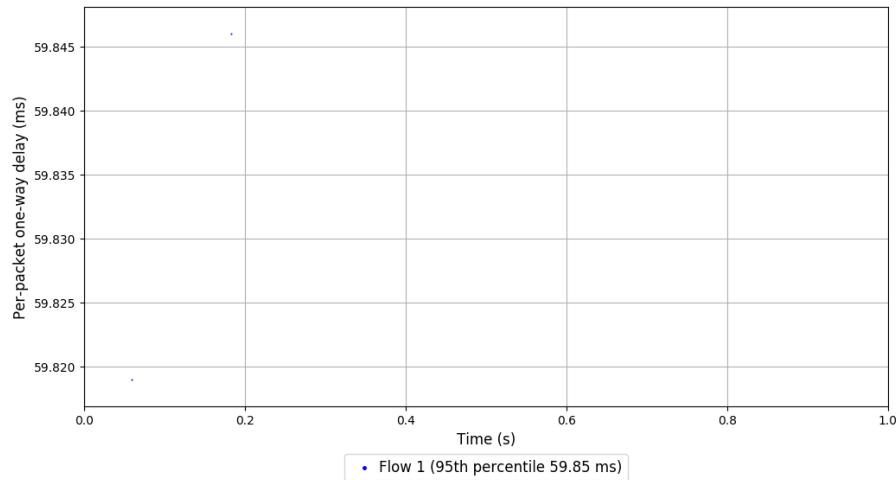
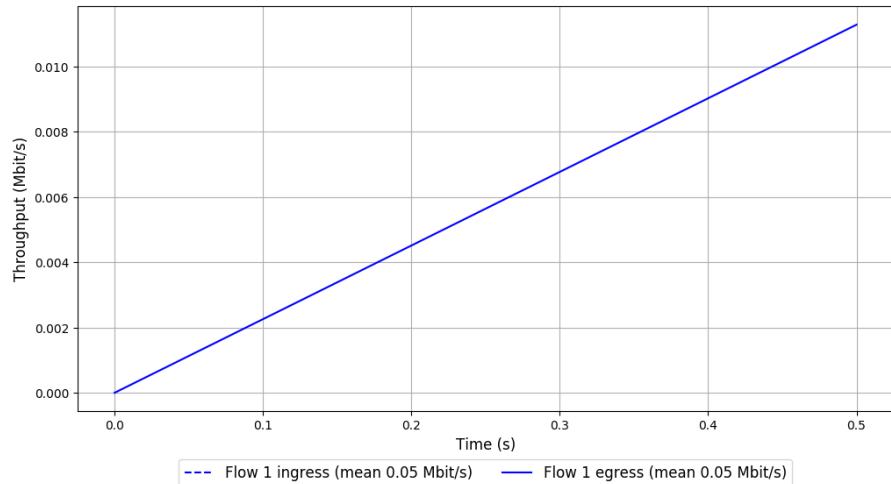
Start at: 2018-08-11 16:14:25

End at: 2018-08-11 16:14:55

Local clock offset: -0.62 ms

Remote clock offset: 1.148 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

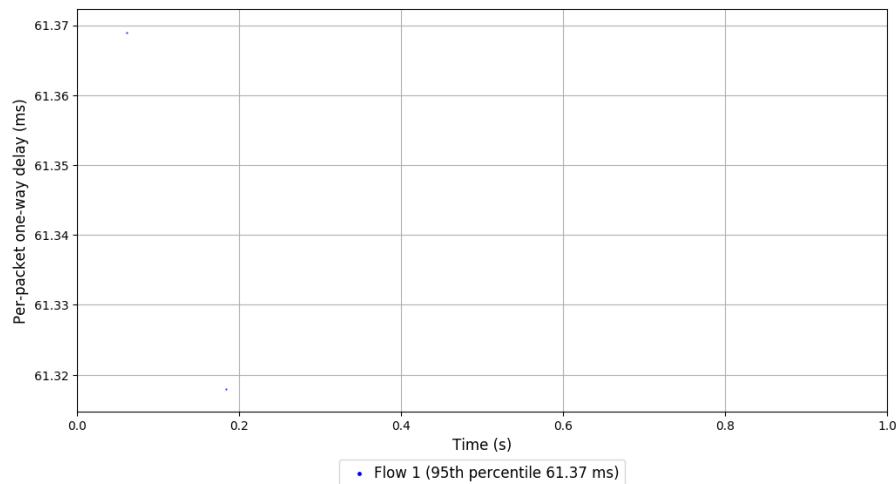
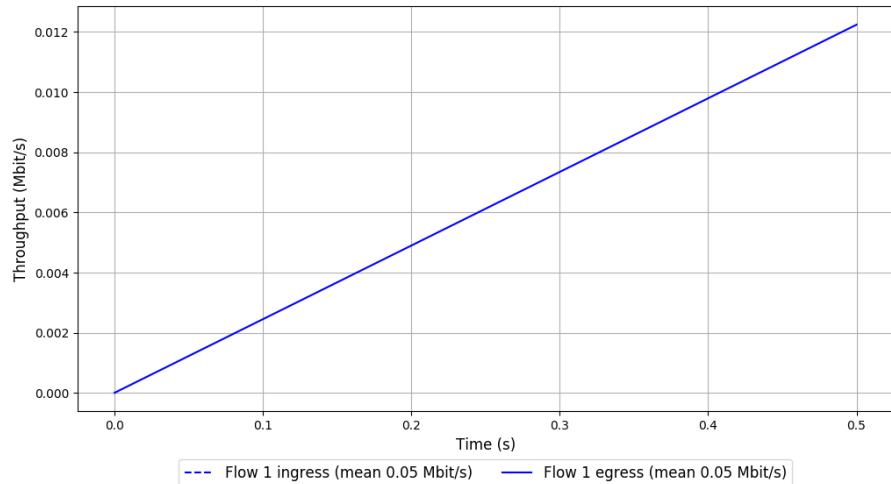
Start at: 2018-08-11 16:36:49

End at: 2018-08-11 16:37:19

Local clock offset: -0.652 ms

Remote clock offset: -0.19 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

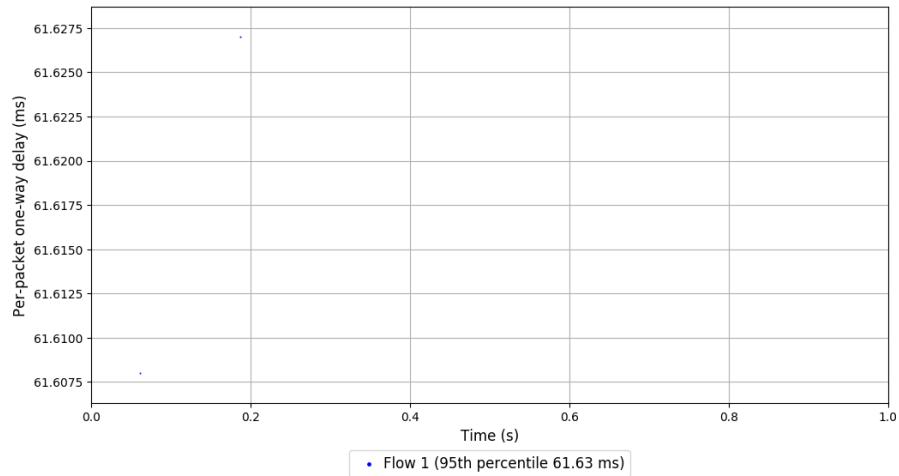
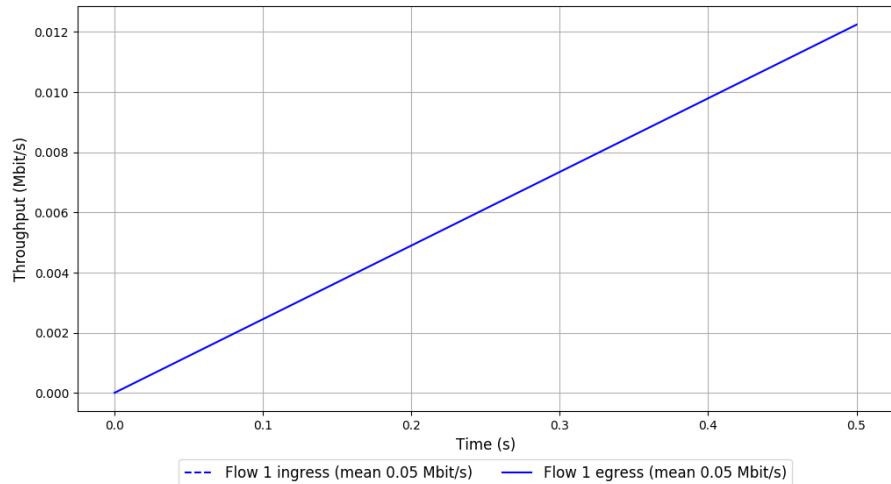
Start at: 2018-08-11 17:00:00

End at: 2018-08-11 17:00:30

Local clock offset: -0.229 ms

Remote clock offset: -0.503 ms

Run 7: Report of QUIC Cubic — Data Link

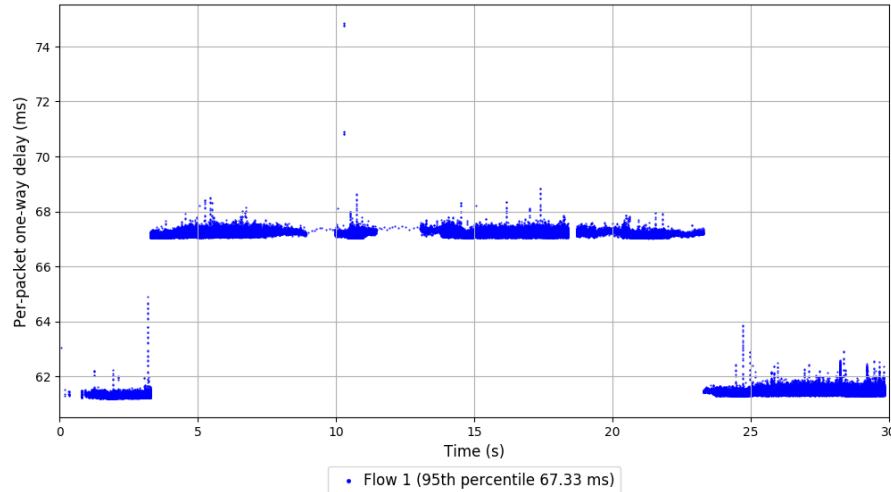
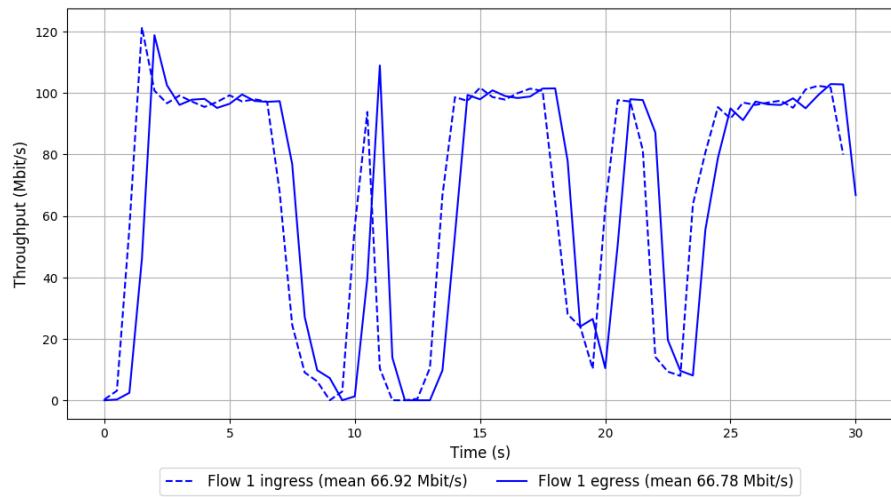


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-08-11 17:23:01
End at: 2018-08-11 17:23:31
Local clock offset: 0.316 ms
Remote clock offset: -0.429 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.78 Mbit/s
95th percentile per-packet one-way delay: 67.330 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 66.78 Mbit/s
95th percentile per-packet one-way delay: 67.330 ms
Loss rate: 0.63%
```

Run 8: Report of QUIC Cubic — Data Link

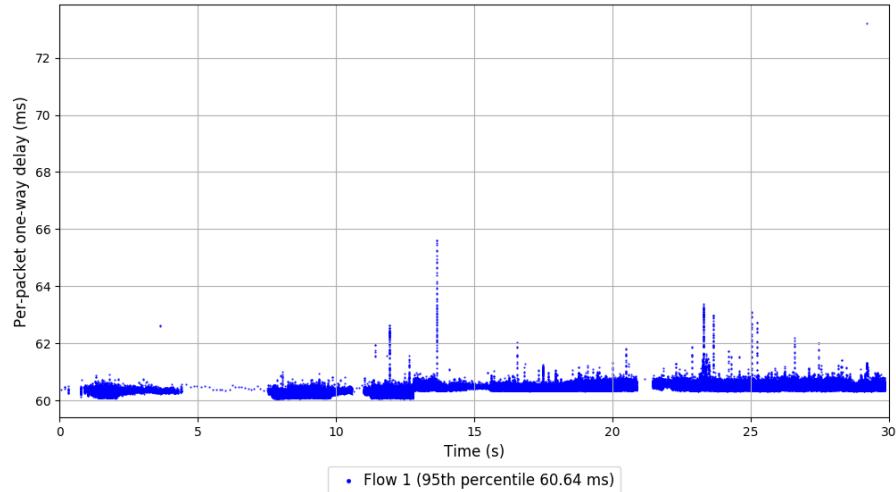
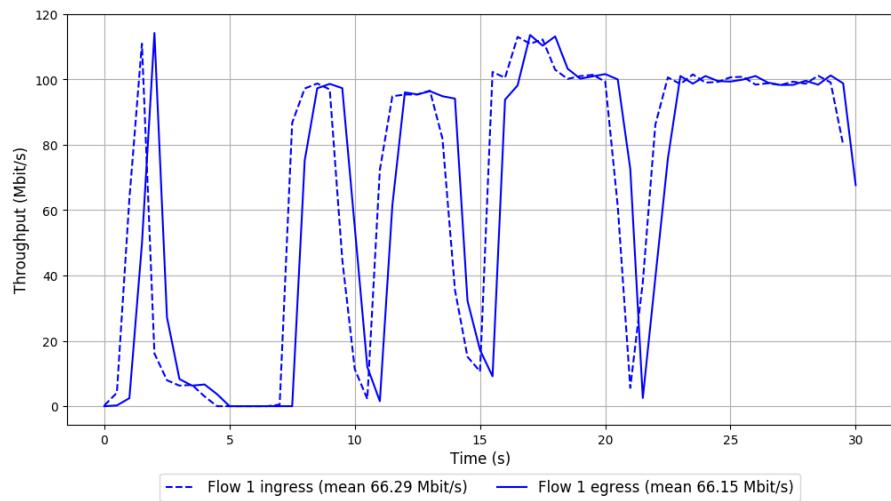


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-08-11 17:46:02
End at: 2018-08-11 17:46:32
Local clock offset: 0.589 ms
Remote clock offset: 0.606 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.15 Mbit/s
95th percentile per-packet one-way delay: 60.639 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 66.15 Mbit/s
95th percentile per-packet one-way delay: 60.639 ms
Loss rate: 0.62%
```

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

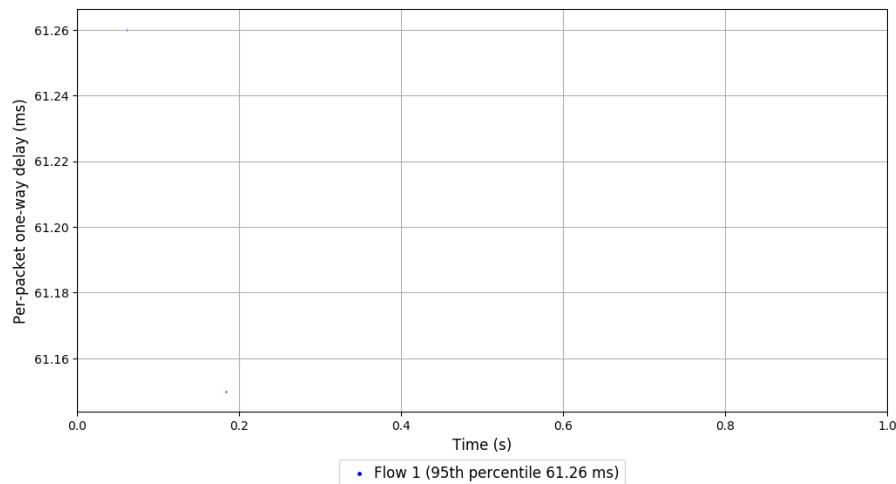
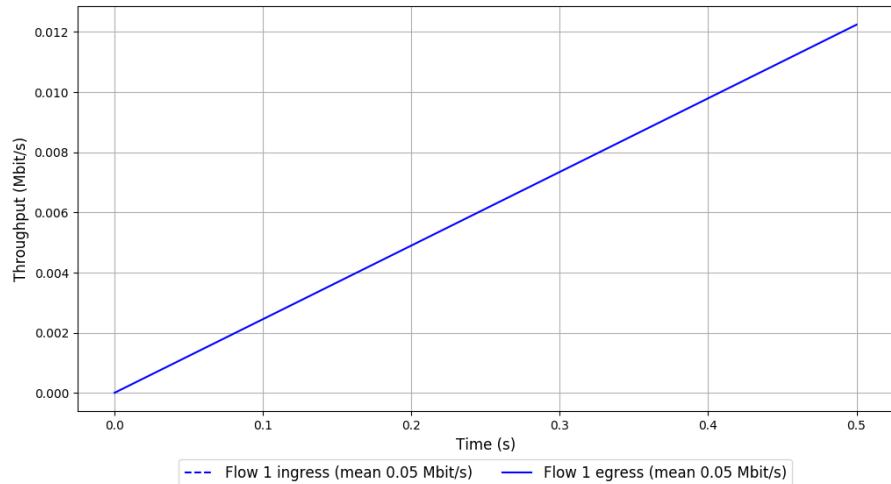
Start at: 2018-08-11 18:08:56

End at: 2018-08-11 18:09:26

Local clock offset: 0.844 ms

Remote clock offset: -0.034 ms

Run 10: Report of QUIC Cubic — Data Link

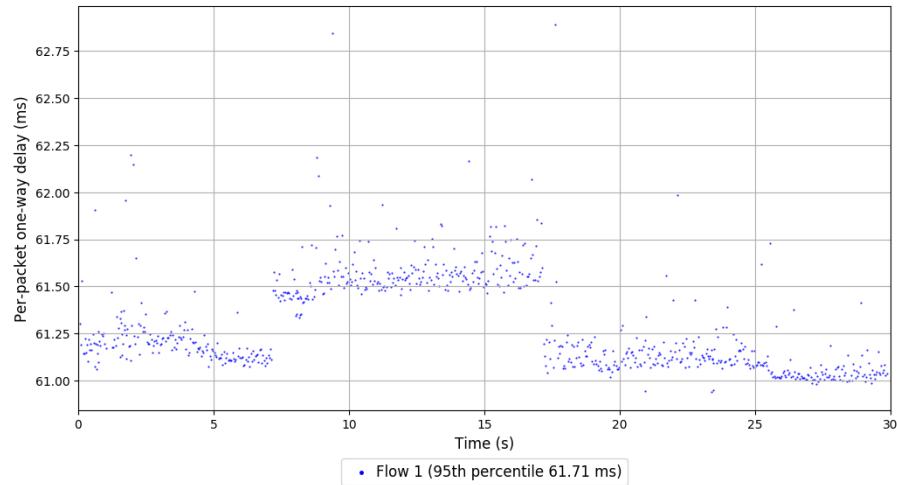
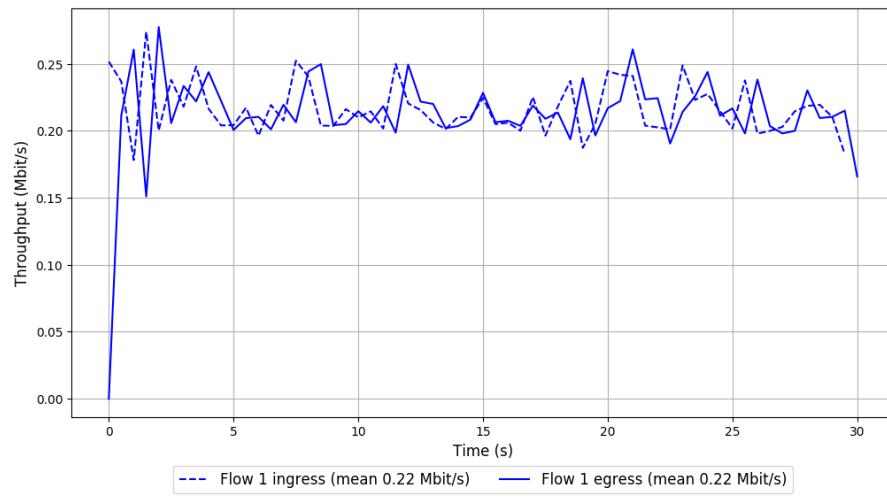


Run 1: Statistics of SCReAM

```
Start at: 2018-08-11 14:46:09
End at: 2018-08-11 14:46:39
Local clock offset: -0.408 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.710 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.710 ms
Loss rate: 0.38%
```

Run 1: Report of SCReAM — Data Link

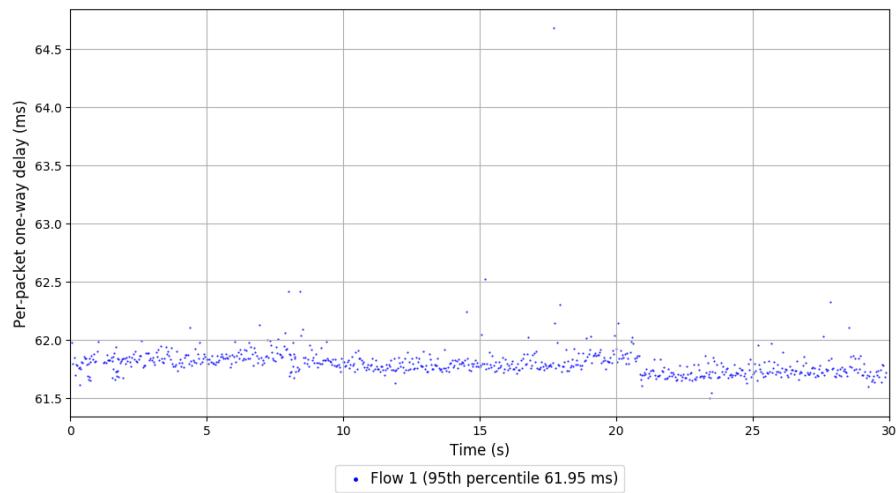
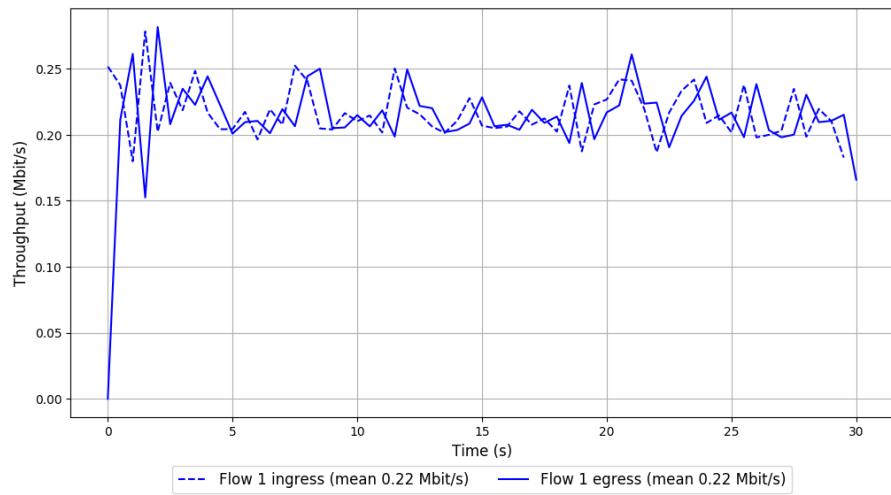


Run 2: Statistics of SCReAM

```
Start at: 2018-08-11 15:08:54
End at: 2018-08-11 15:09:24
Local clock offset: -0.516 ms
Remote clock offset: -0.659 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.954 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.954 ms
Loss rate: 0.38%
```

Run 2: Report of SCReAM — Data Link

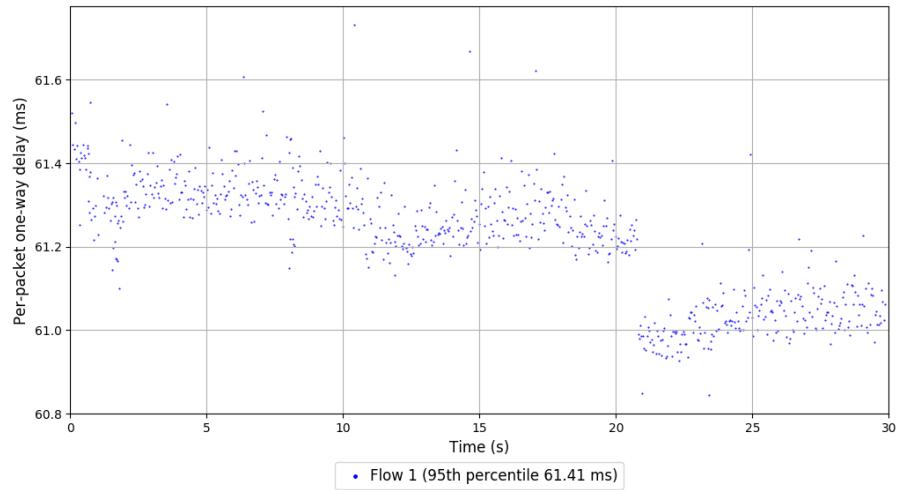
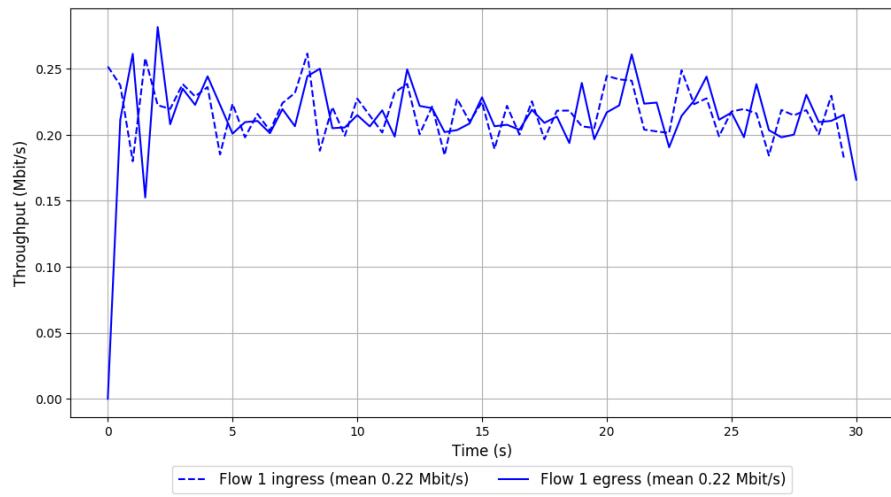


Run 3: Statistics of SCReAM

```
Start at: 2018-08-11 15:31:44
End at: 2018-08-11 15:32:14
Local clock offset: -0.567 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.413 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.413 ms
Loss rate: 0.38%
```

Run 3: Report of SCReAM — Data Link

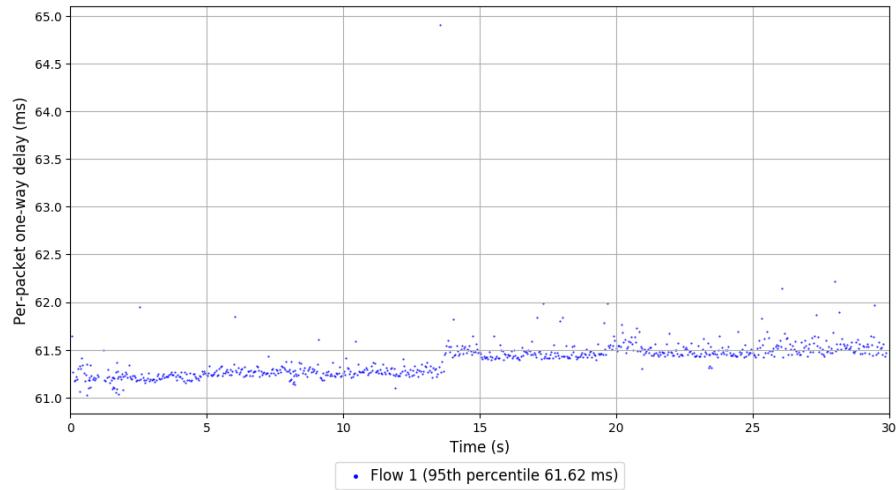
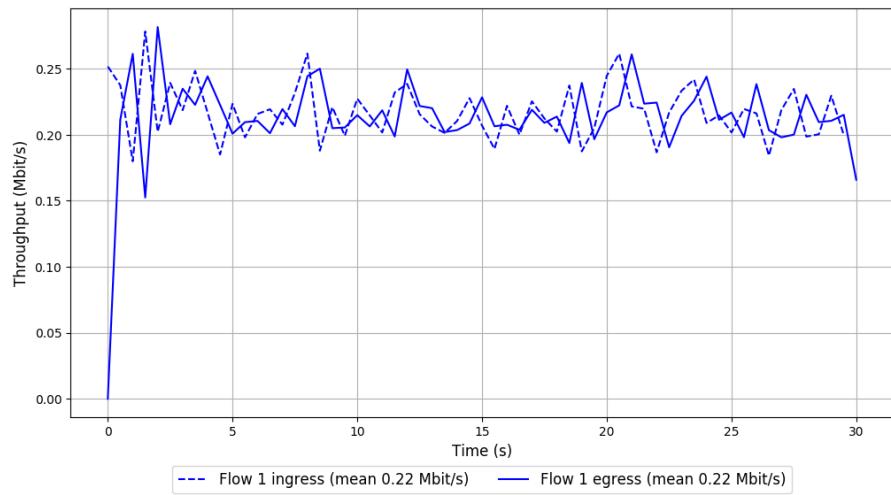


Run 4: Statistics of SCReAM

```
Start at: 2018-08-11 15:54:41
End at: 2018-08-11 15:55:11
Local clock offset: -0.57 ms
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.625 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.625 ms
Loss rate: 0.51%
```

Run 4: Report of SCReAM — Data Link

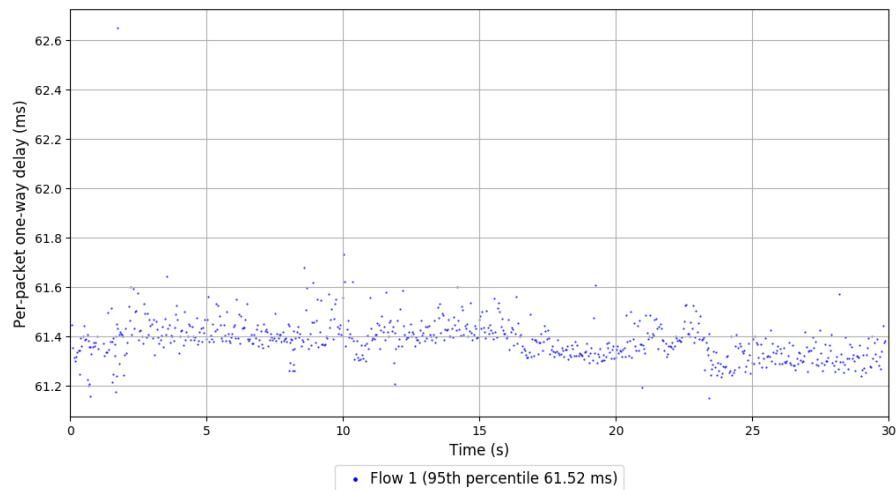
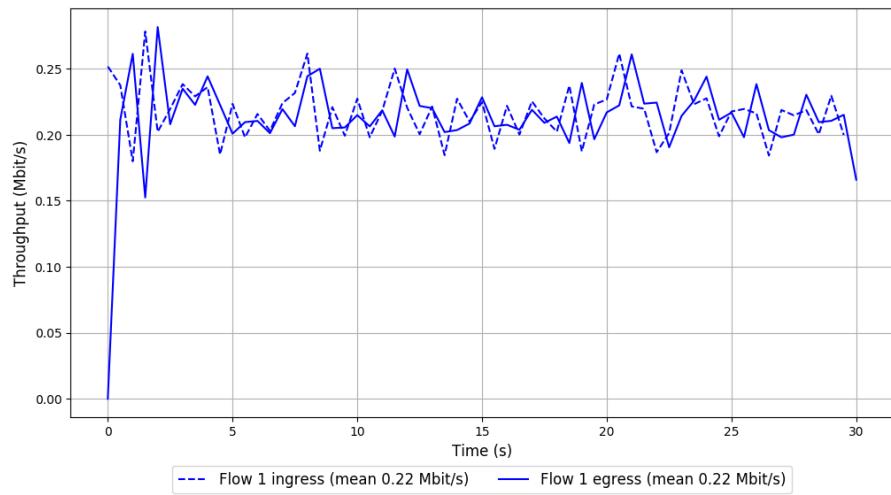


Run 5: Statistics of SCReAM

```
Start at: 2018-08-11 16:16:51
End at: 2018-08-11 16:17:21
Local clock offset: -0.645 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.521 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.521 ms
Loss rate: 0.51%
```

Run 5: Report of SCReAM — Data Link

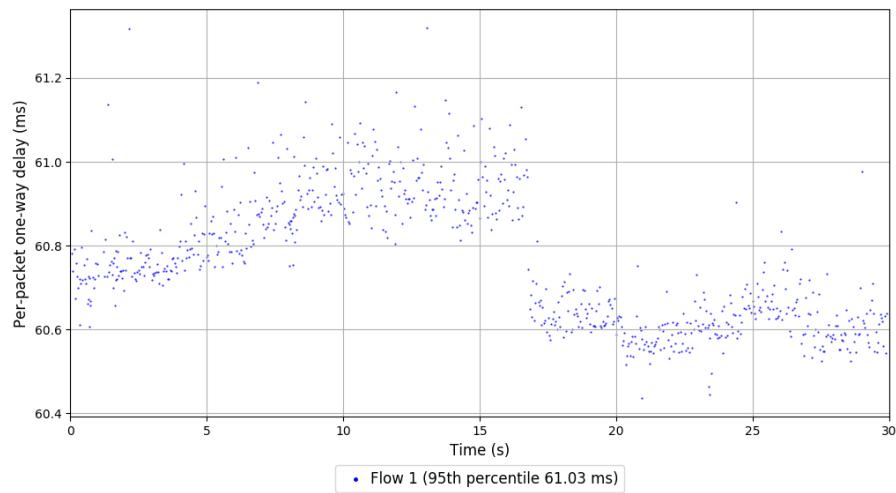
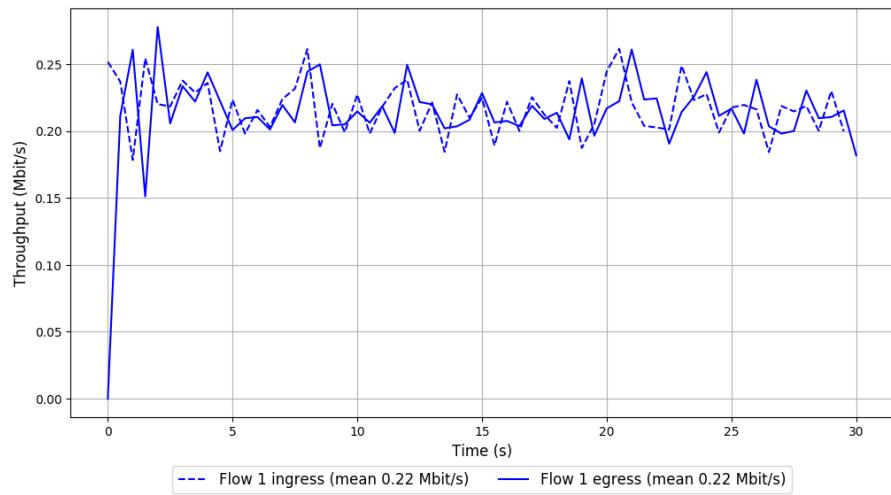


Run 6: Statistics of SCReAM

```
Start at: 2018-08-11 16:39:20
End at: 2018-08-11 16:39:50
Local clock offset: -0.729 ms
Remote clock offset: 0.516 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.026 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.026 ms
Loss rate: 0.39%
```

Run 6: Report of SCReAM — Data Link

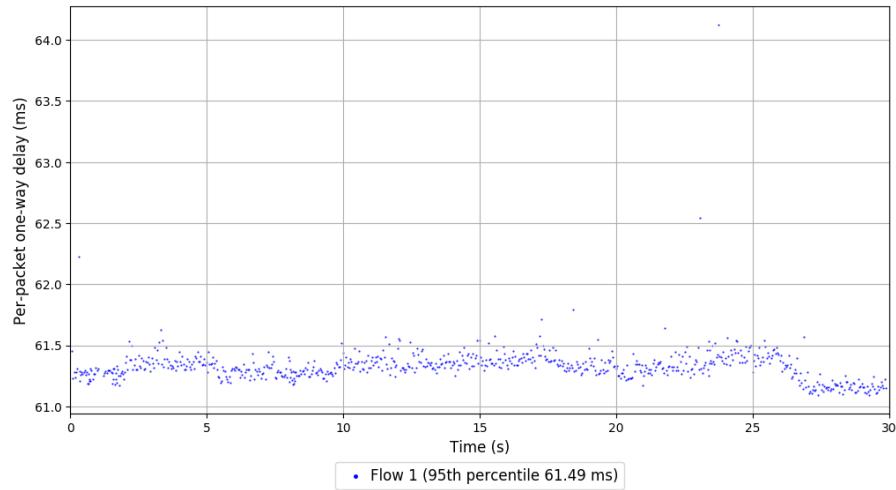
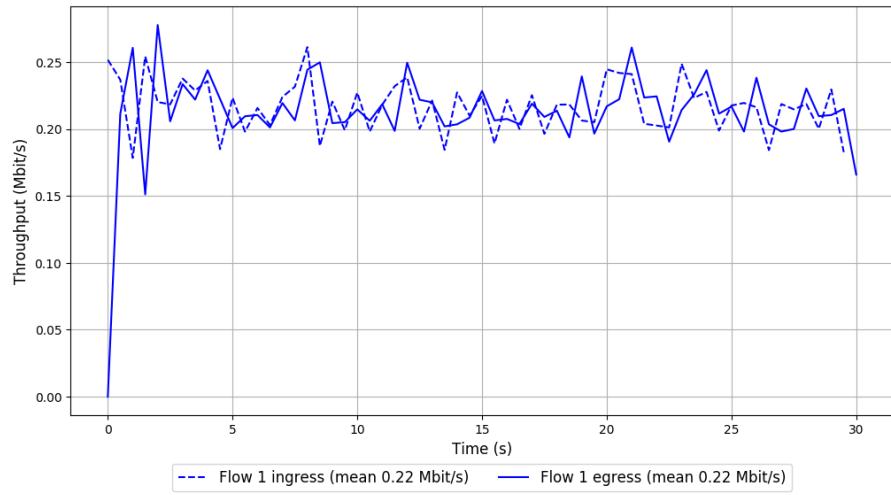


Run 7: Statistics of SCReAM

```
Start at: 2018-08-11 17:02:28
End at: 2018-08-11 17:02:58
Local clock offset: -0.109 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.489 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.489 ms
Loss rate: 0.38%
```

Run 7: Report of SCReAM — Data Link

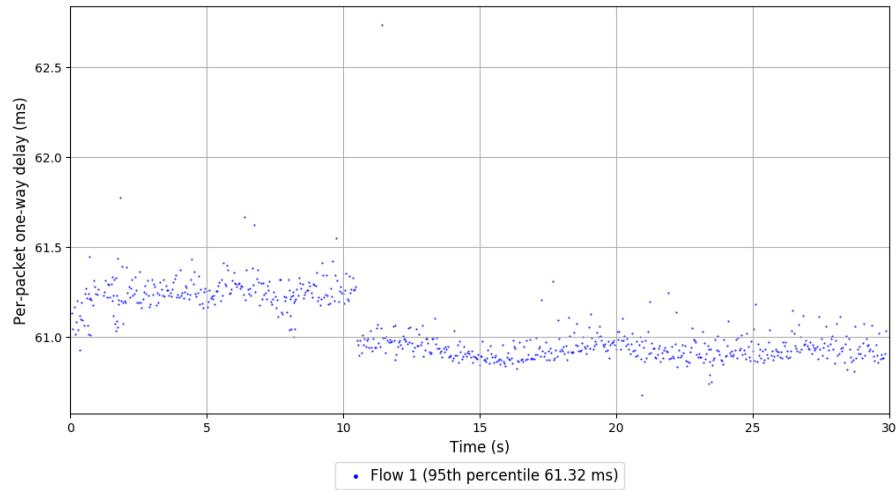
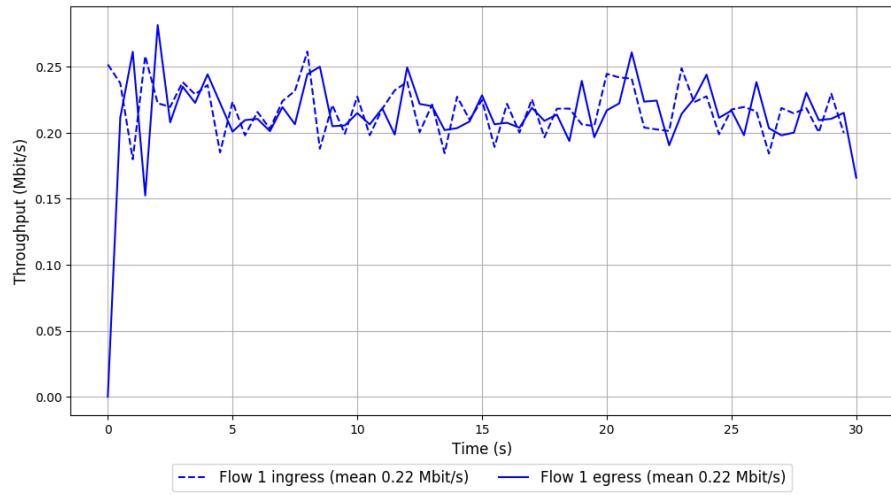


Run 8: Statistics of SCReAM

```
Start at: 2018-08-11 17:25:34
End at: 2018-08-11 17:26:04
Local clock offset: 0.363 ms
Remote clock offset: 0.318 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.320 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.320 ms
Loss rate: 0.51%
```

Run 8: Report of SCReAM — Data Link

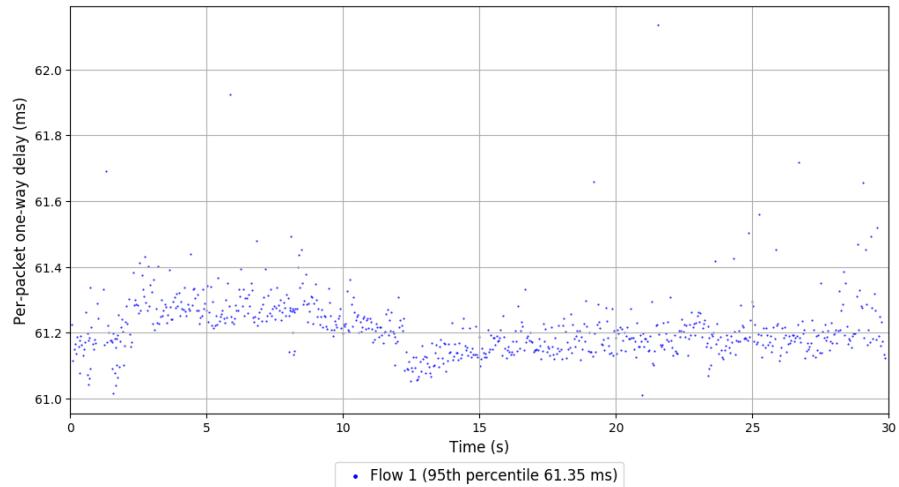
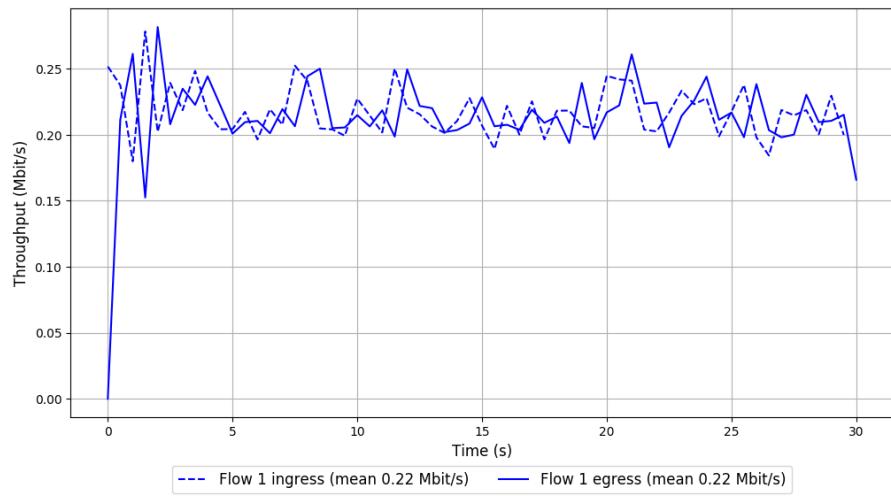


Run 9: Statistics of SCReAM

```
Start at: 2018-08-11 17:48:32
End at: 2018-08-11 17:49:02
Local clock offset: 0.57 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.351 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.351 ms
Loss rate: 0.51%
```

Run 9: Report of SCReAM — Data Link

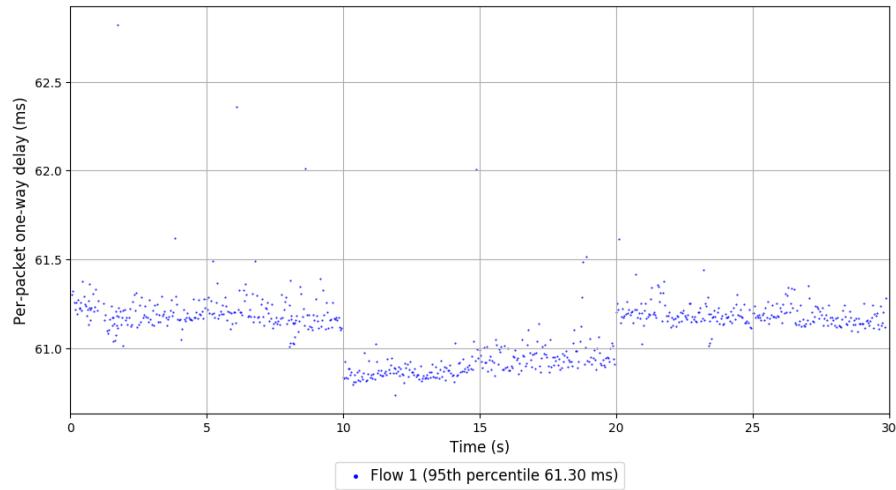
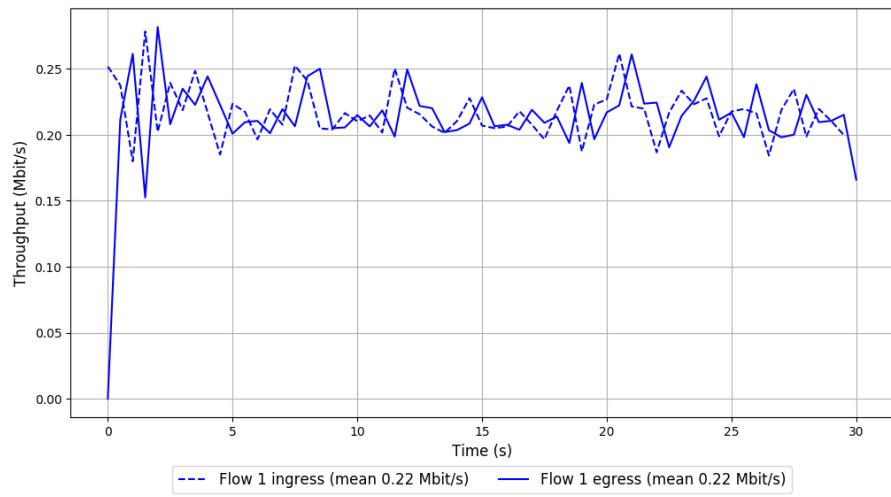


Run 10: Statistics of SCReAM

```
Start at: 2018-08-11 18:11:25
End at: 2018-08-11 18:11:55
Local clock offset: 0.811 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.305 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.305 ms
Loss rate: 0.51%
```

Run 10: Report of SCReAM — Data Link

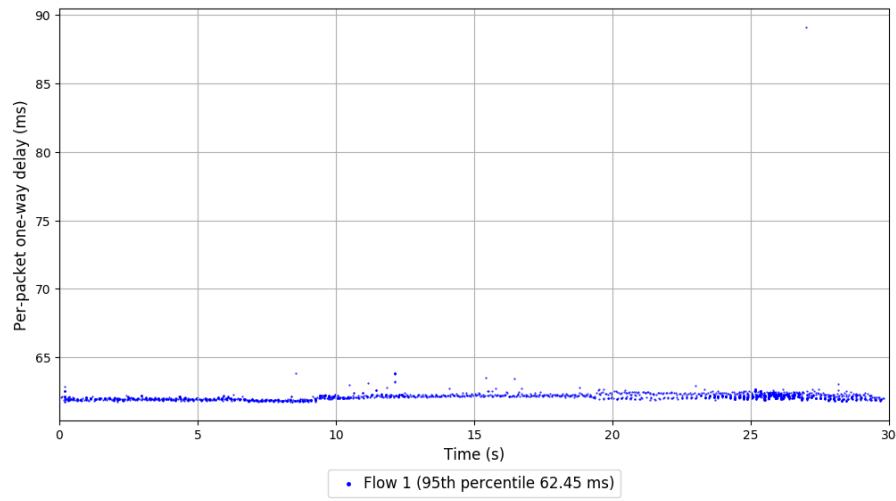
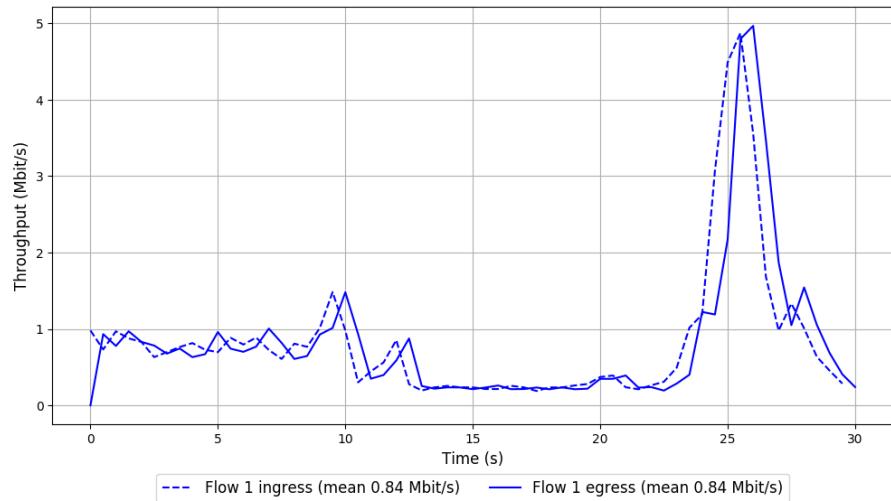


Run 1: Statistics of Sprout

```
Start at: 2018-08-11 14:40:55
End at: 2018-08-11 14:41:25
Local clock offset: -0.42 ms
Remote clock offset: -0.905 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 62.447 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 62.447 ms
Loss rate: 0.23%
```

Run 1: Report of Sprout — Data Link

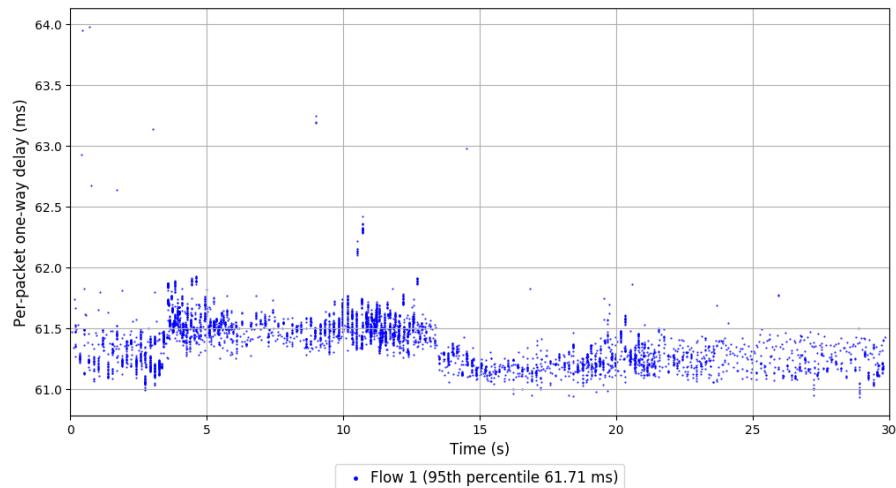
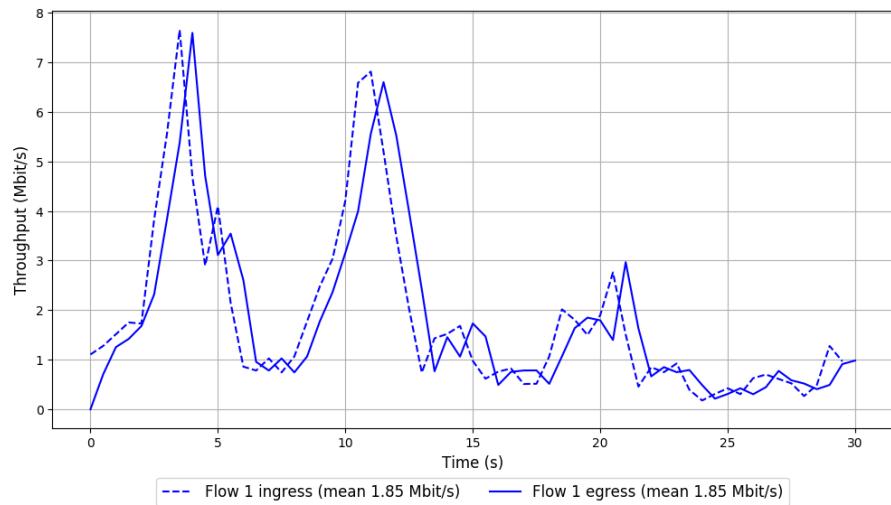


Run 2: Statistics of Sprout

```
Start at: 2018-08-11 15:03:41
End at: 2018-08-11 15:04:11
Local clock offset: -0.463 ms
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2018-08-11 20:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 61.714 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 61.714 ms
Loss rate: 0.32%
```

Run 2: Report of Sprout — Data Link

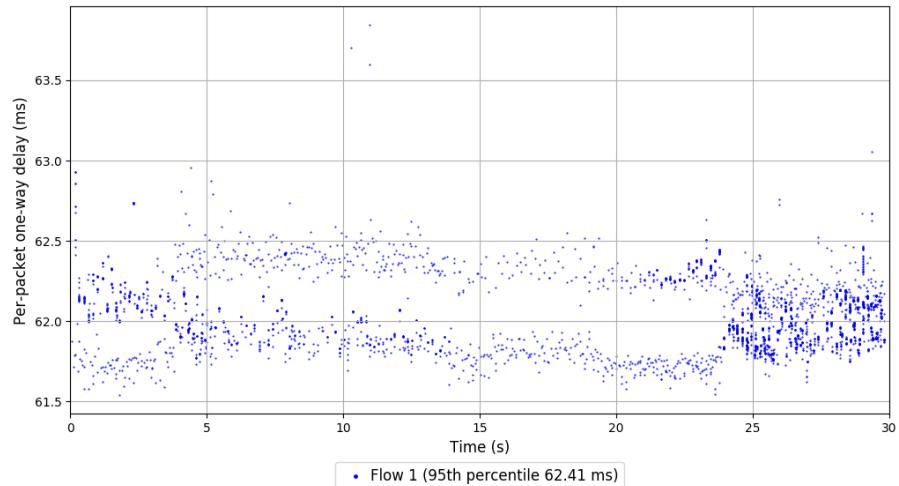
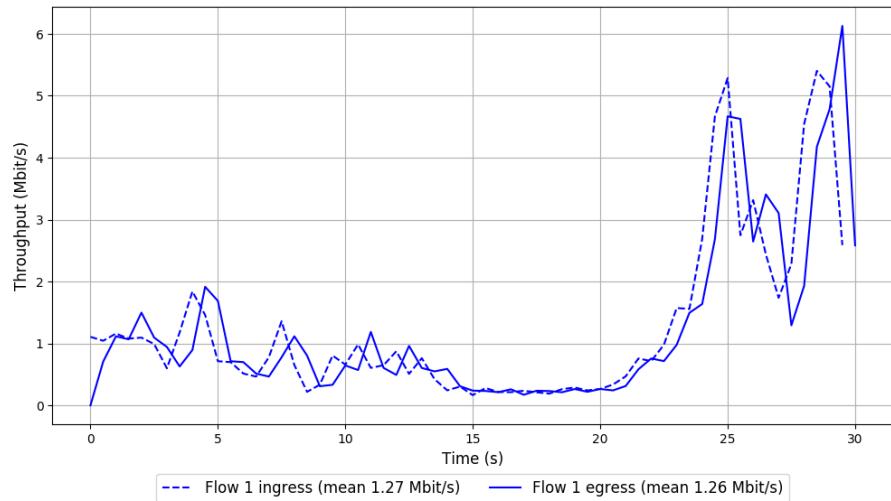


Run 3: Statistics of Sprout

```
Start at: 2018-08-11 15:26:31
End at: 2018-08-11 15:27:01
Local clock offset: -0.5 ms
Remote clock offset: -0.9 ms

# Below is generated by plot.py at 2018-08-11 20:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 62.414 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 62.414 ms
Loss rate: 1.07%
```

Run 3: Report of Sprout — Data Link

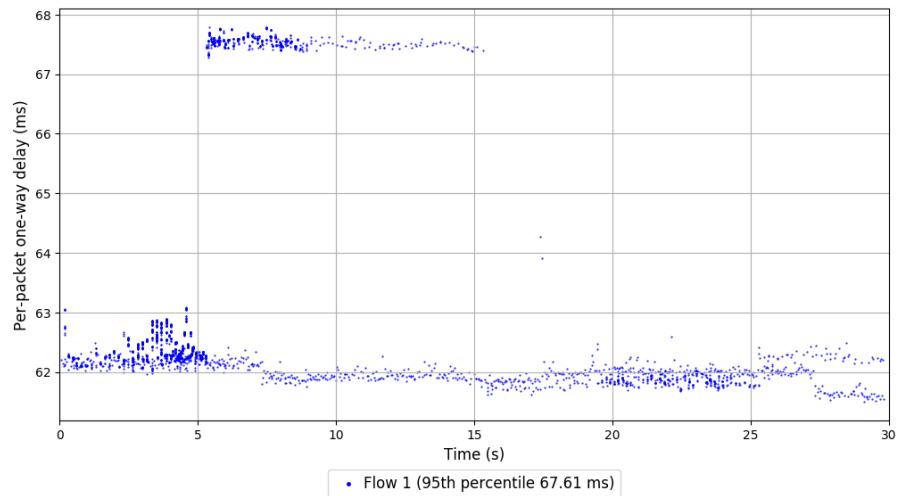
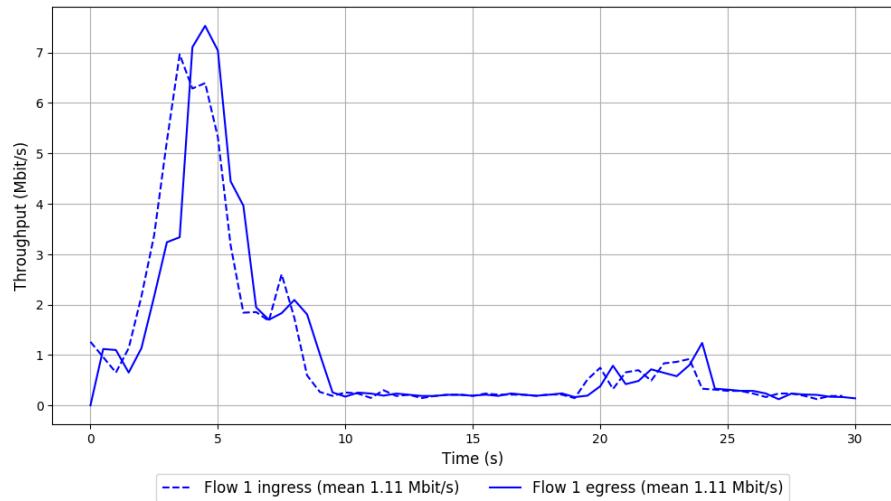


Run 4: Statistics of Sprout

```
Start at: 2018-08-11 15:49:29
End at: 2018-08-11 15:49:59
Local clock offset: -0.587 ms
Remote clock offset: -0.844 ms

# Below is generated by plot.py at 2018-08-11 20:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 67.608 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 67.608 ms
Loss rate: 0.10%
```

Run 4: Report of Sprout — Data Link

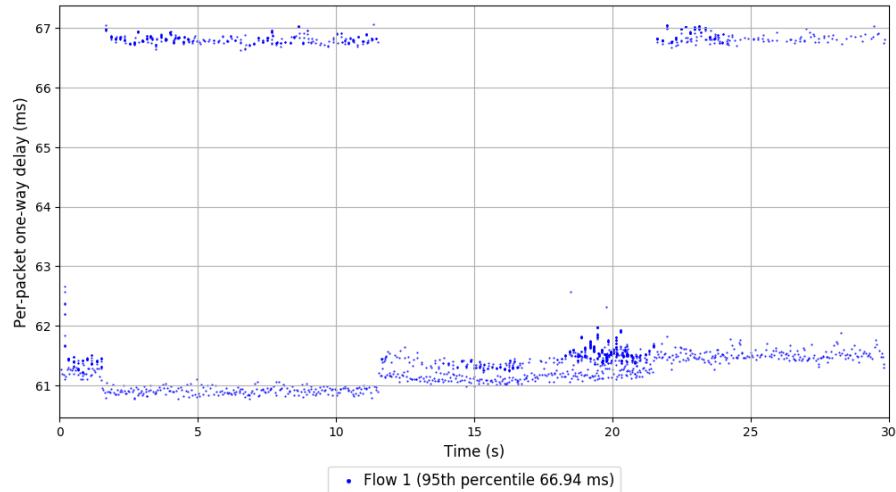
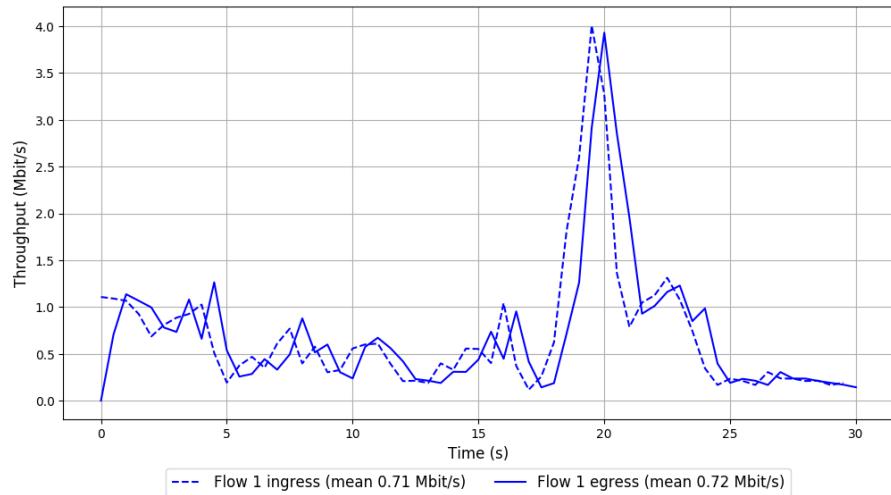


Run 5: Statistics of Sprout

```
Start at: 2018-08-11 16:11:43
End at: 2018-08-11 16:12:13
Local clock offset: -0.545 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-08-11 20:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 66.936 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 66.936 ms
Loss rate: 0.16%
```

Run 5: Report of Sprout — Data Link

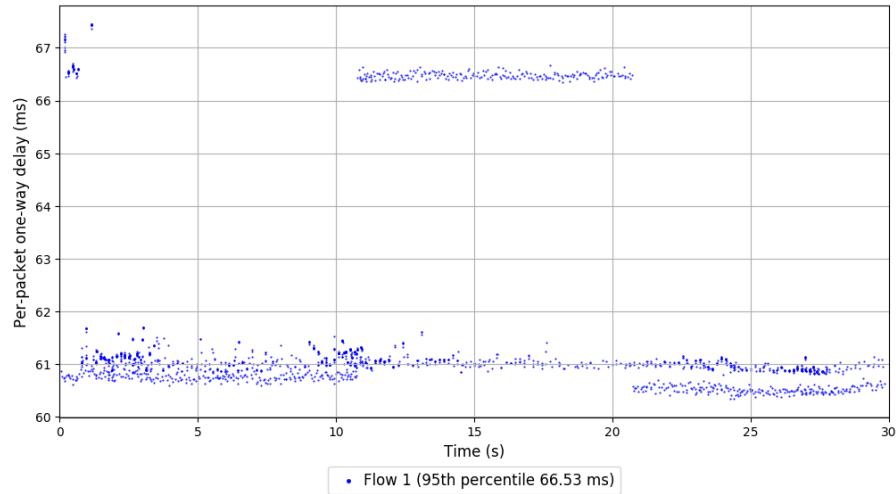
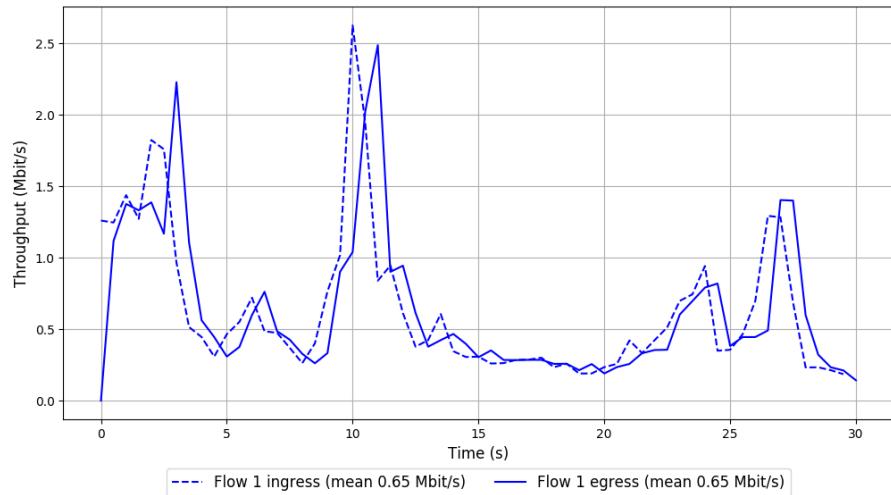


Run 6: Statistics of Sprout

```
Start at: 2018-08-11 16:34:04
End at: 2018-08-11 16:34:34
Local clock offset: -0.697 ms
Remote clock offset: 0.247 ms

# Below is generated by plot.py at 2018-08-11 20:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 66.528 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 66.528 ms
Loss rate: 0.12%
```

Run 6: Report of Sprout — Data Link

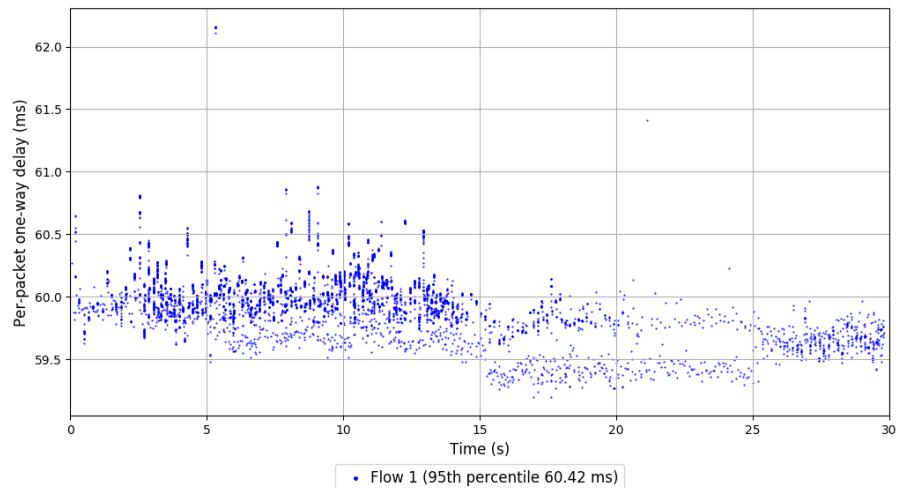
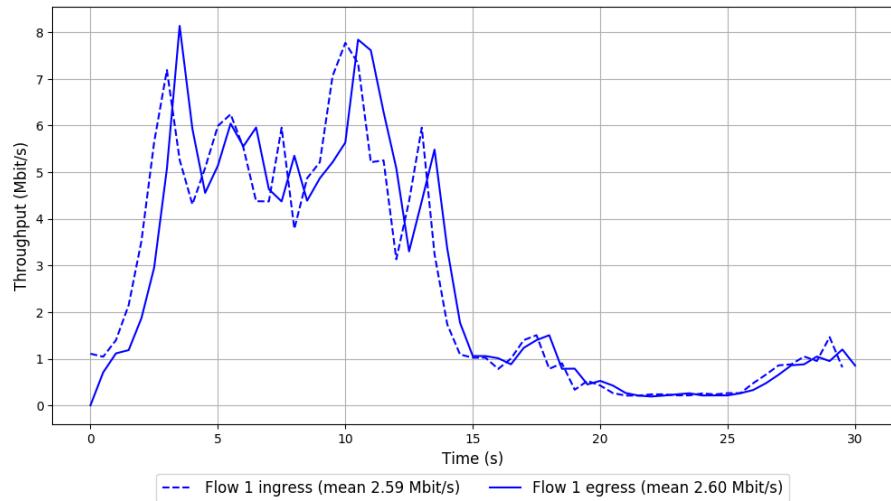


Run 7: Statistics of Sprout

```
Start at: 2018-08-11 16:57:09
End at: 2018-08-11 16:57:39
Local clock offset: -0.397 ms
Remote clock offset: 1.424 ms

# Below is generated by plot.py at 2018-08-11 20:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 60.419 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 60.419 ms
Loss rate: 0.15%
```

Run 7: Report of Sprout — Data Link

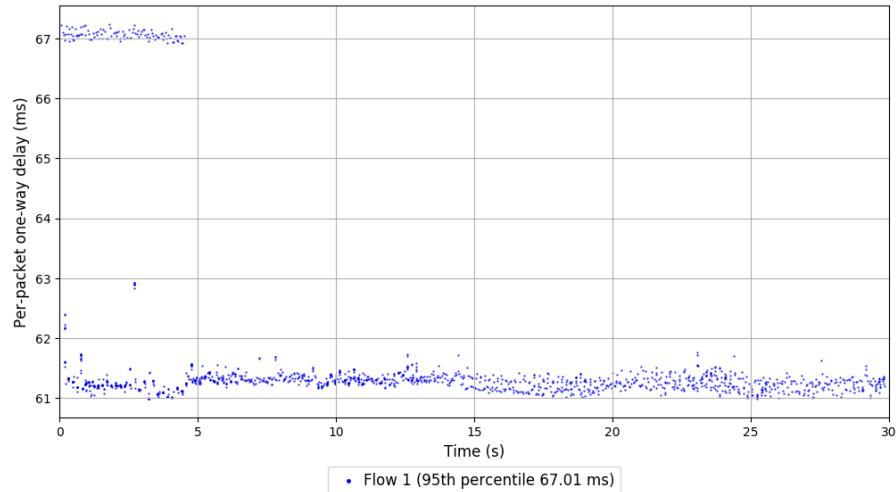
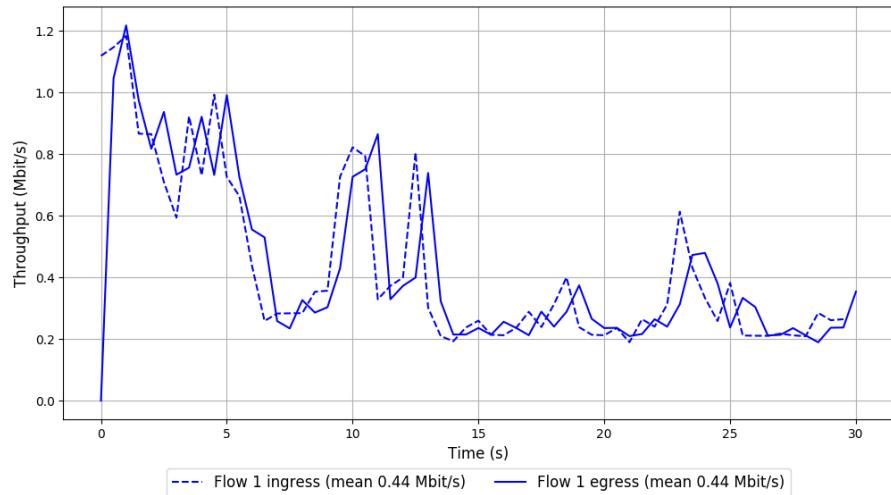


Run 8: Statistics of Sprout

```
Start at: 2018-08-11 17:20:20
End at: 2018-08-11 17:20:50
Local clock offset: 0.27 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2018-08-11 20:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.013 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.013 ms
Loss rate: 0.01%
```

Run 8: Report of Sprout — Data Link

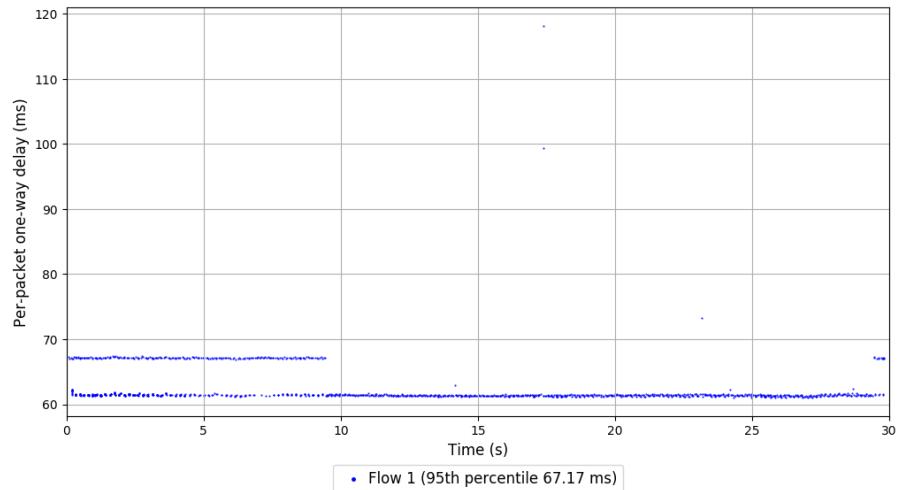
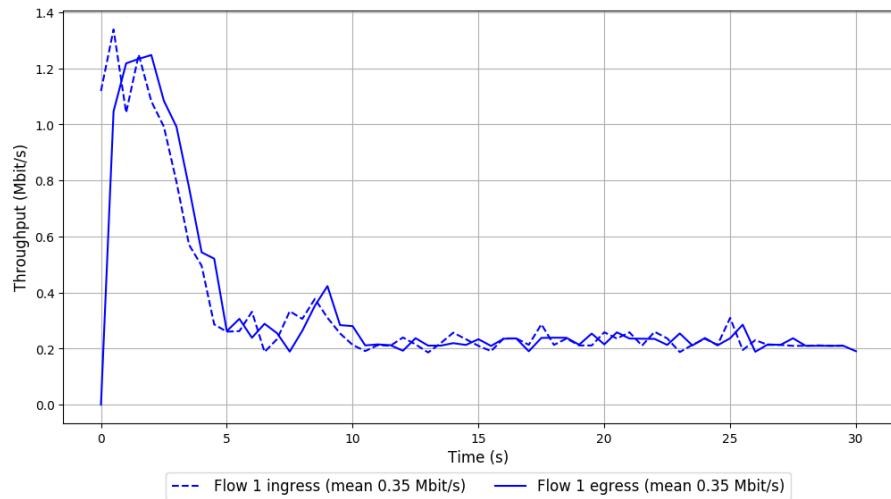


Run 9: Statistics of Sprout

```
Start at: 2018-08-11 17:43:17
End at: 2018-08-11 17:43:47
Local clock offset: 0.518 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-08-11 20:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 67.175 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 67.175 ms
Loss rate: 0.22%
```

Run 9: Report of Sprout — Data Link

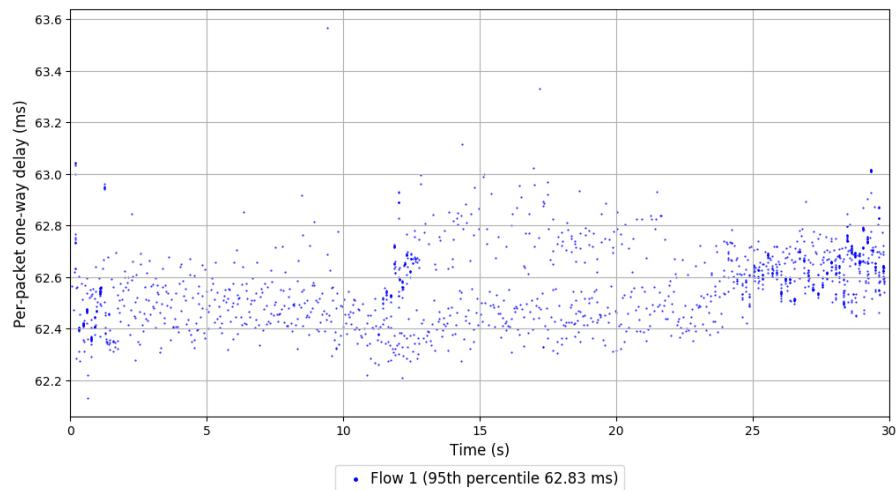
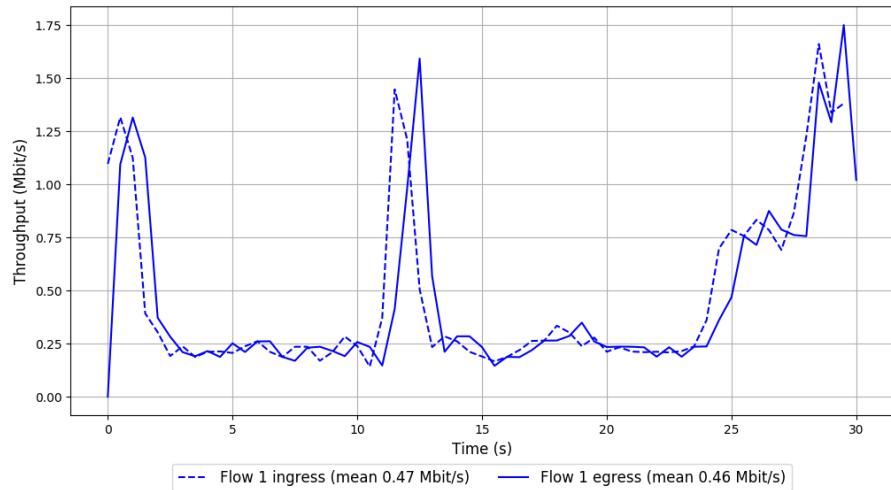


Run 10: Statistics of Sprout

```
Start at: 2018-08-11 18:06:13
End at: 2018-08-11 18:06:43
Local clock offset: 0.752 ms
Remote clock offset: -1.315 ms

# Below is generated by plot.py at 2018-08-11 20:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 62.827 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 62.827 ms
Loss rate: 1.29%
```

Run 10: Report of Sprout — Data Link

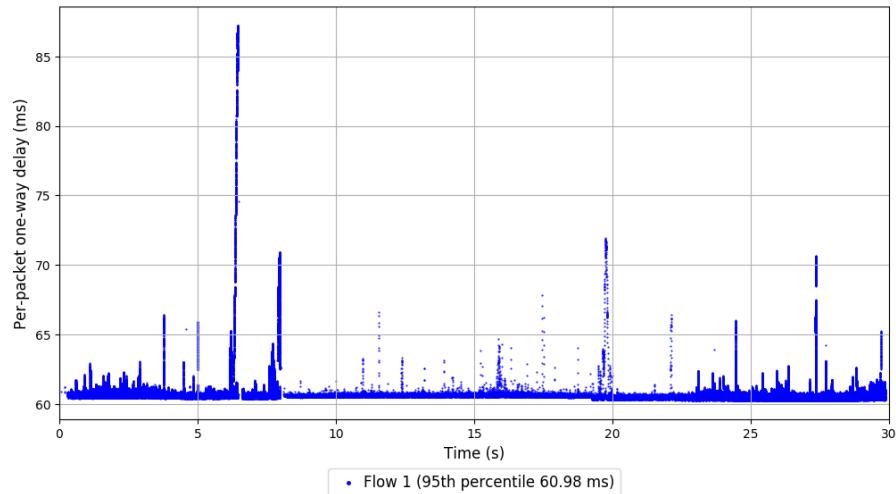
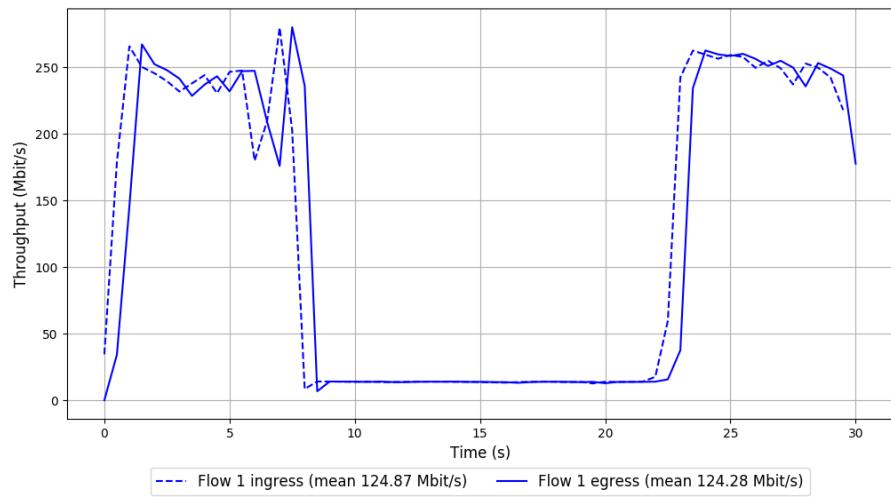


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-08-11 14:35:25
End at: 2018-08-11 14:35:55
Local clock offset: -0.387 ms
Remote clock offset: 0.458 ms

# Below is generated by plot.py at 2018-08-11 20:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.28 Mbit/s
95th percentile per-packet one-way delay: 60.977 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 124.28 Mbit/s
95th percentile per-packet one-way delay: 60.977 ms
Loss rate: 0.94%
```

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

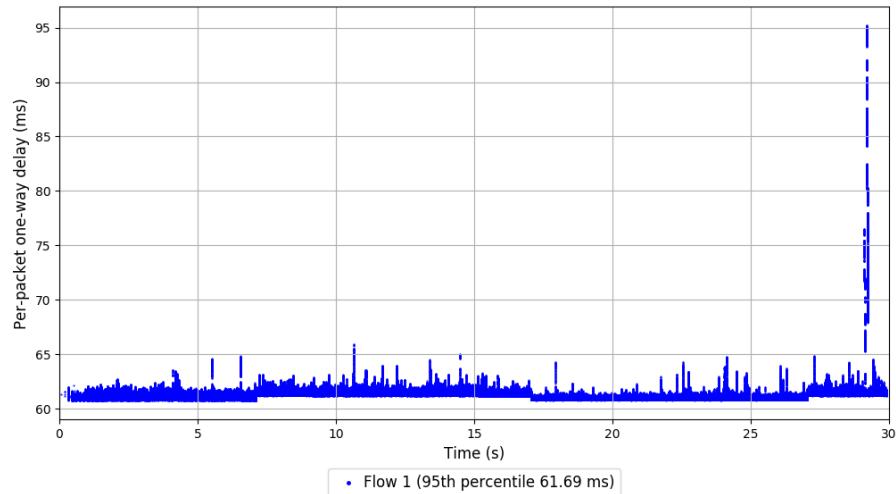
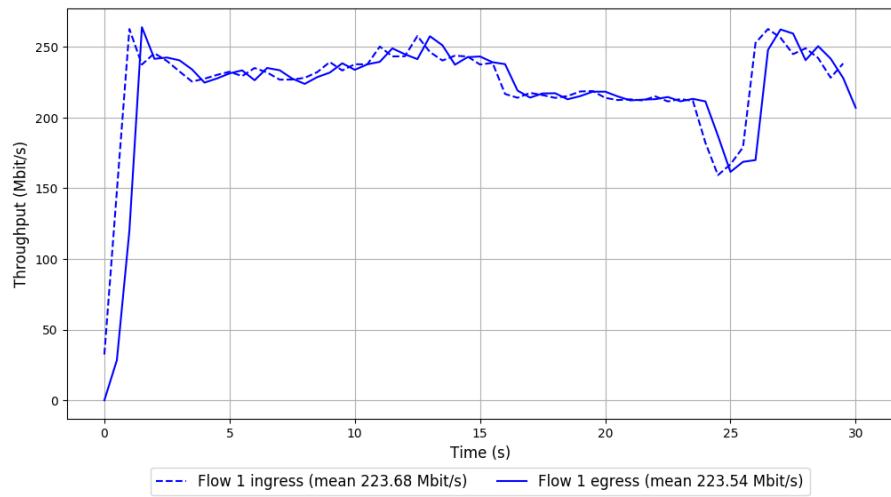


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-08-11 14:58:08
End at: 2018-08-11 14:58:38
Local clock offset: -0.38 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-08-11 20:20:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.54 Mbit/s
95th percentile per-packet one-way delay: 61.688 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 223.54 Mbit/s
95th percentile per-packet one-way delay: 61.688 ms
Loss rate: 0.47%
```

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

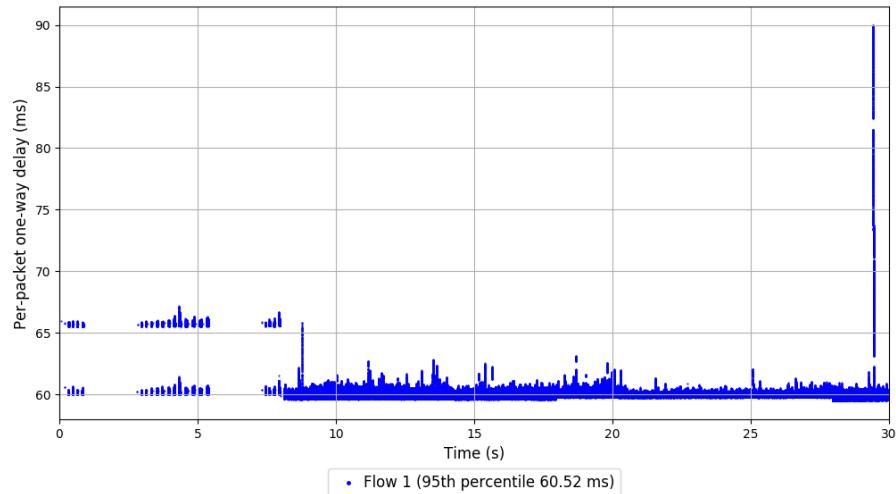
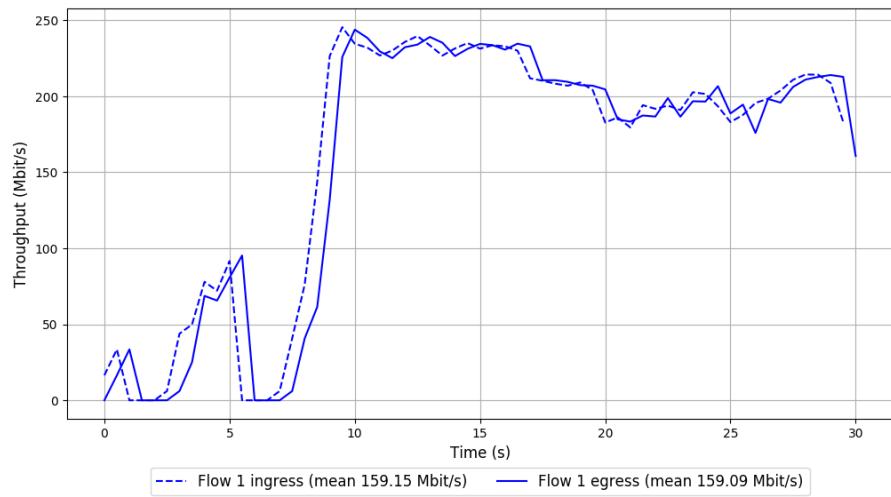


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-08-11 15:20:57
End at: 2018-08-11 15:21:27
Local clock offset: -0.497 ms
Remote clock offset: 1.072 ms

# Below is generated by plot.py at 2018-08-11 20:20:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.09 Mbit/s
95th percentile per-packet one-way delay: 60.519 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 159.09 Mbit/s
95th percentile per-packet one-way delay: 60.519 ms
Loss rate: 0.46%
```

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

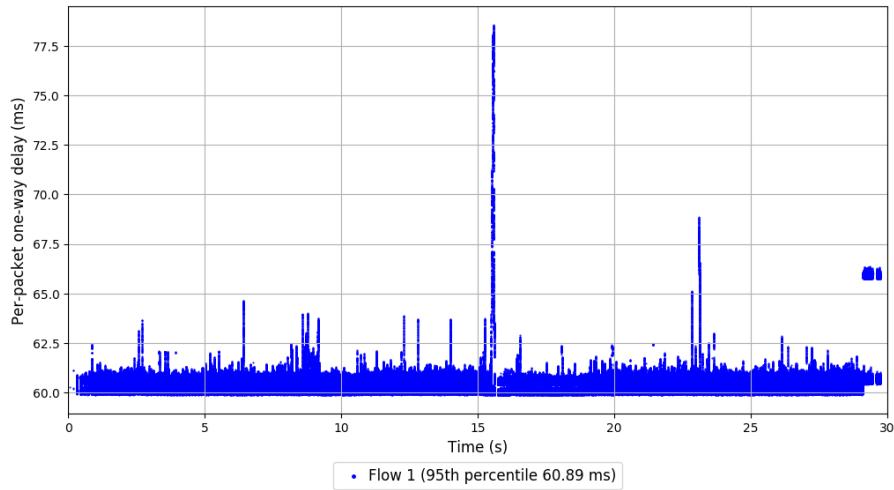
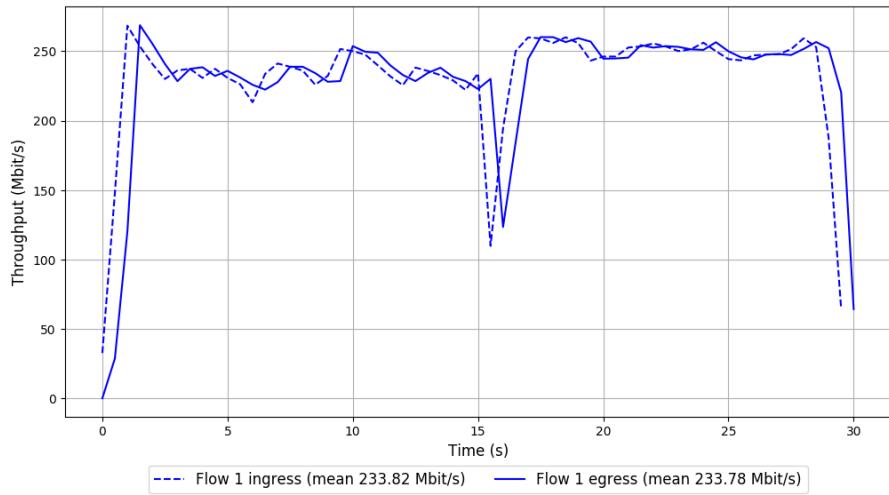


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-08-11 15:43:55
End at: 2018-08-11 15:44:25
Local clock offset: -0.562 ms
Remote clock offset: 0.608 ms

# Below is generated by plot.py at 2018-08-11 20:22:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.78 Mbit/s
95th percentile per-packet one-way delay: 60.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.78 Mbit/s
95th percentile per-packet one-way delay: 60.888 ms
Loss rate: 0.00%
```

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

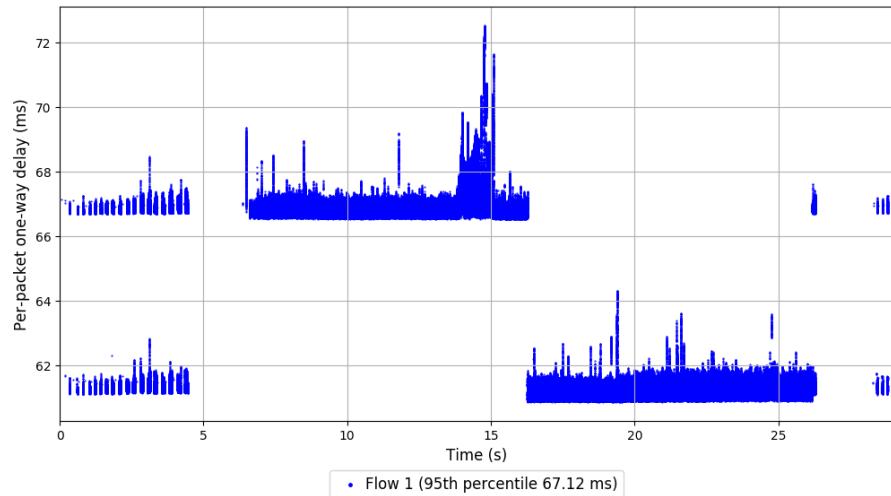
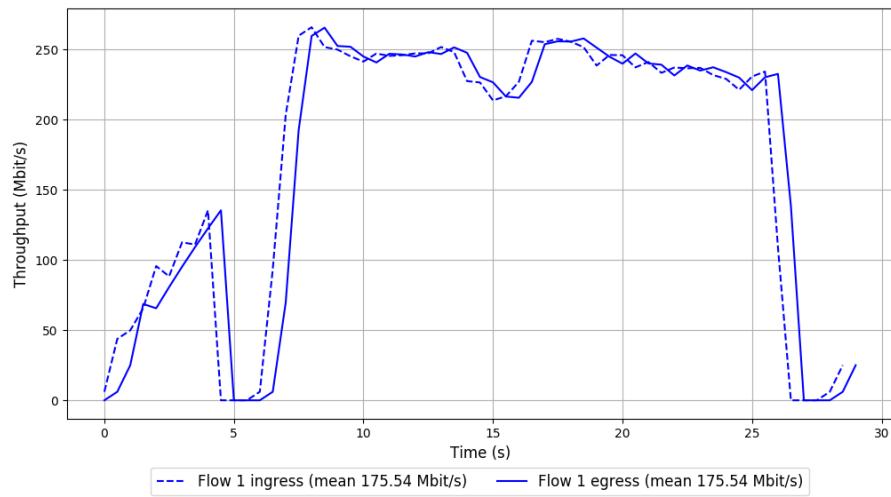


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-08-11 16:06:28
End at: 2018-08-11 16:06:58
Local clock offset: -0.62 ms
Remote clock offset: -0.256 ms

# Below is generated by plot.py at 2018-08-11 20:22:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 67.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 67.123 ms
Loss rate: 0.00%
```

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

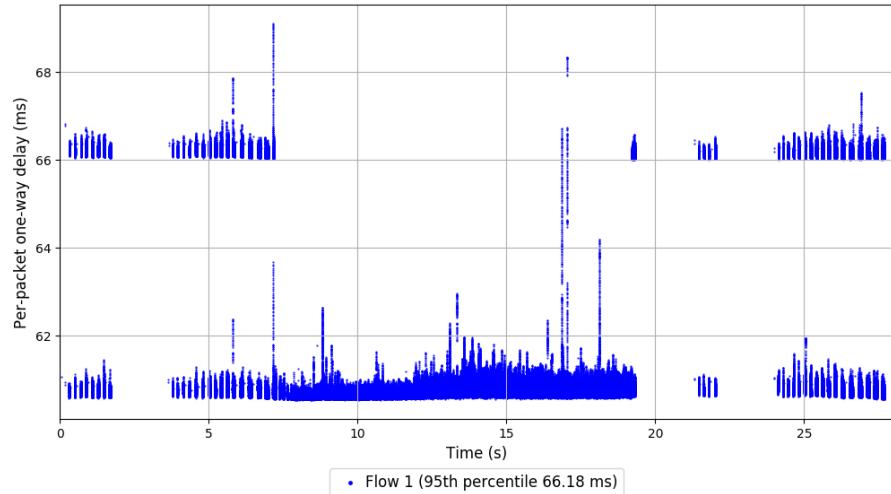
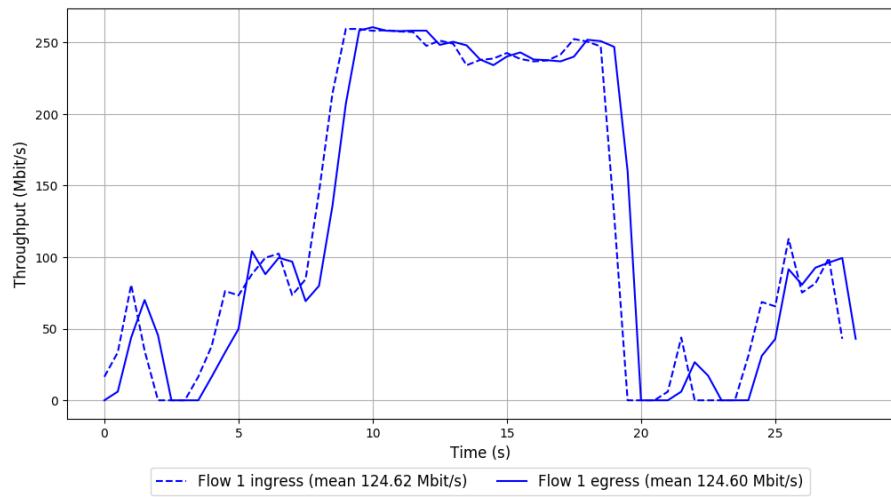


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-08-11 16:28:47
End at: 2018-08-11 16:29:17
Local clock offset: -0.674 ms
Remote clock offset: 0.295 ms

# Below is generated by plot.py at 2018-08-11 20:22:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.60 Mbit/s
95th percentile per-packet one-way delay: 66.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.60 Mbit/s
95th percentile per-packet one-way delay: 66.180 ms
Loss rate: 0.00%
```

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

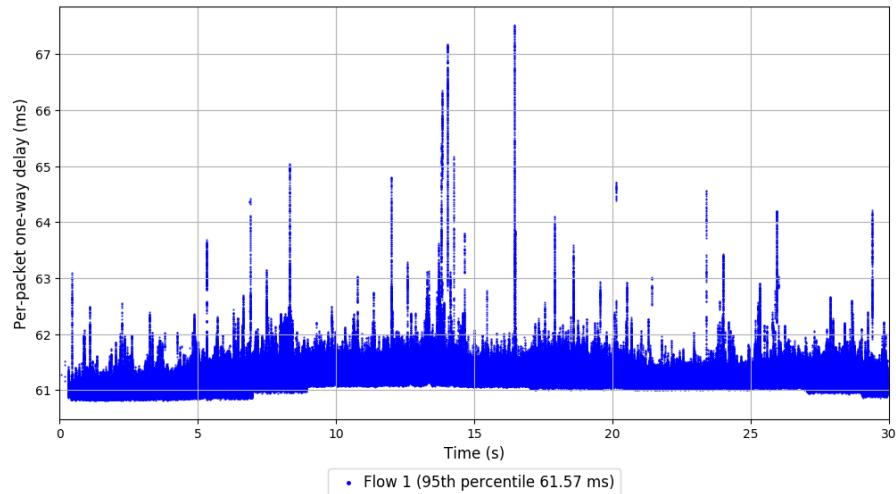
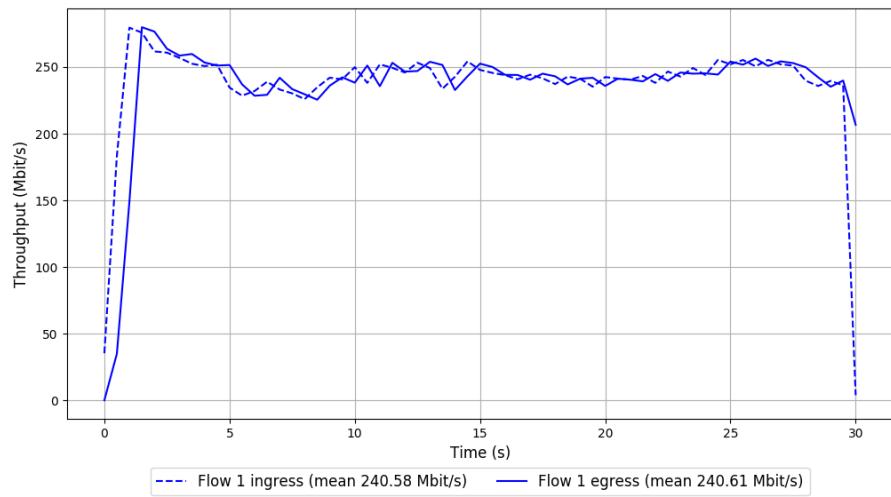


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-08-11 16:51:28
End at: 2018-08-11 16:51:58
Local clock offset: -0.729 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-08-11 20:27:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.61 Mbit/s
95th percentile per-packet one-way delay: 61.568 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 240.61 Mbit/s
95th percentile per-packet one-way delay: 61.568 ms
Loss rate: 0.44%
```

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

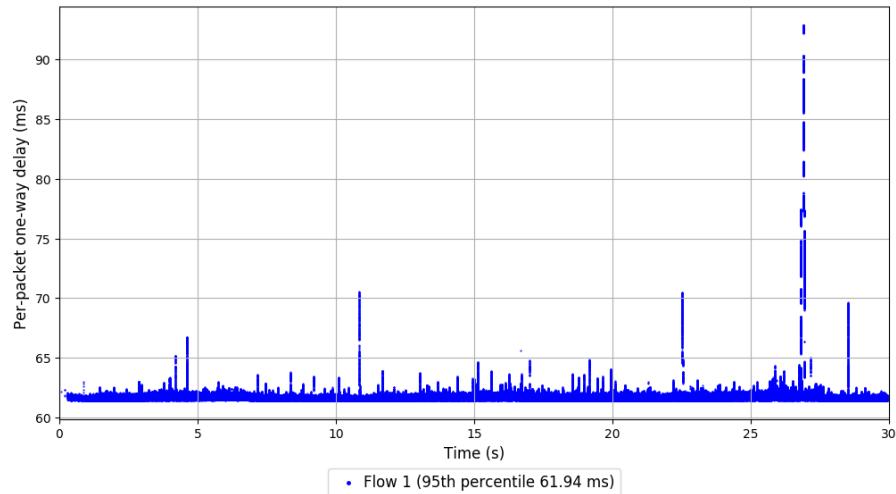
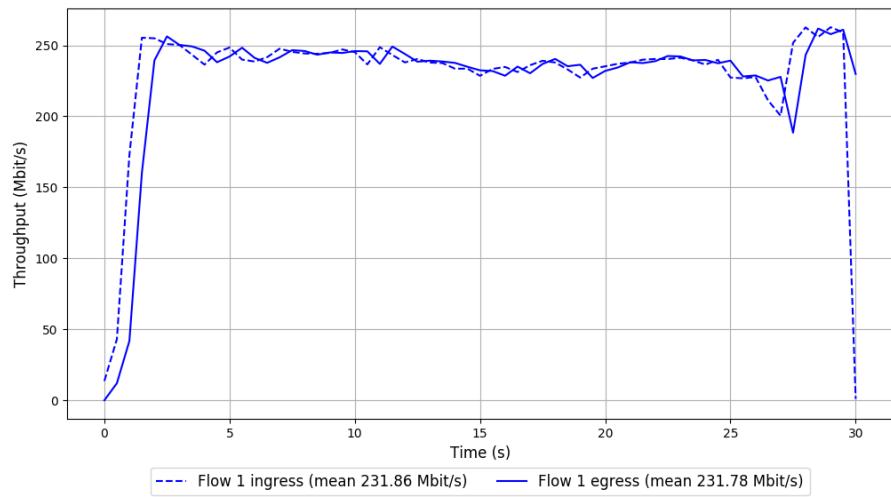


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-08-11 17:14:35
End at: 2018-08-11 17:15:05
Local clock offset: 0.181 ms
Remote clock offset: -0.626 ms

# Below is generated by plot.py at 2018-08-11 20:27:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.78 Mbit/s
95th percentile per-packet one-way delay: 61.936 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 231.78 Mbit/s
95th percentile per-packet one-way delay: 61.936 ms
Loss rate: 0.45%
```

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

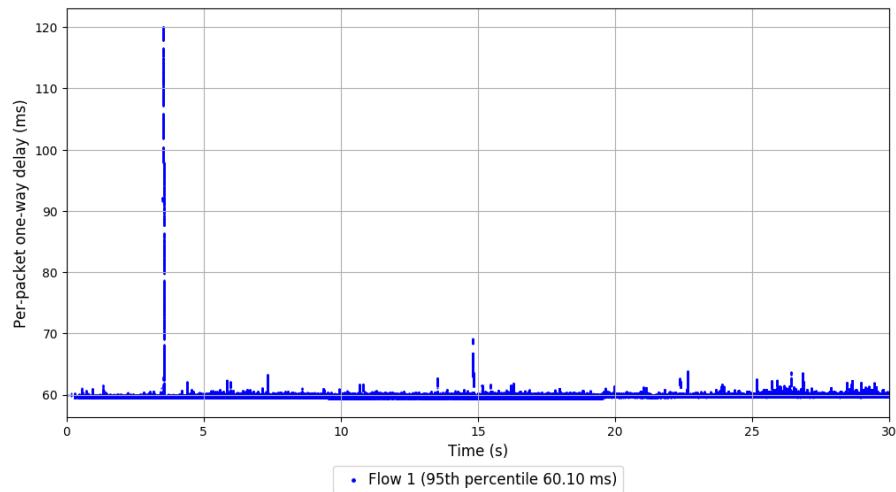
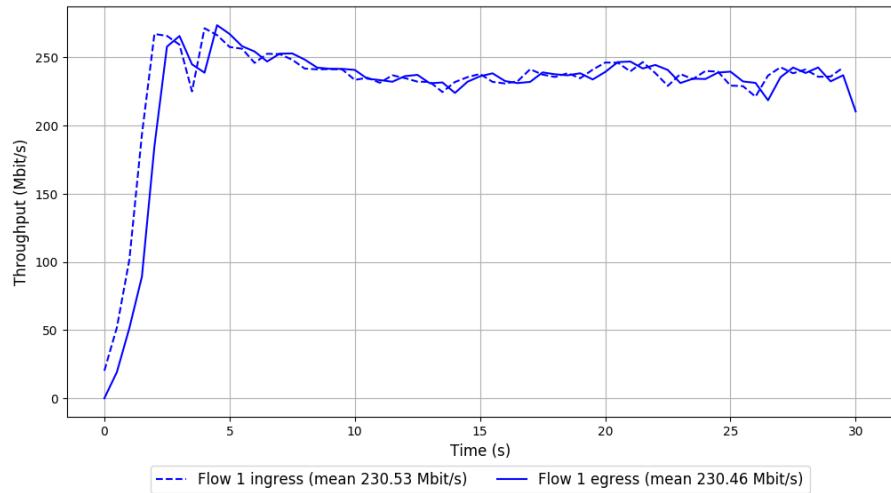


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-08-11 17:37:35
End at: 2018-08-11 17:38:05
Local clock offset: 0.474 ms
Remote clock offset: 1.308 ms

# Below is generated by plot.py at 2018-08-11 20:27:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.46 Mbit/s
95th percentile per-packet one-way delay: 60.100 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 230.46 Mbit/s
95th percentile per-packet one-way delay: 60.100 ms
Loss rate: 0.44%
```

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

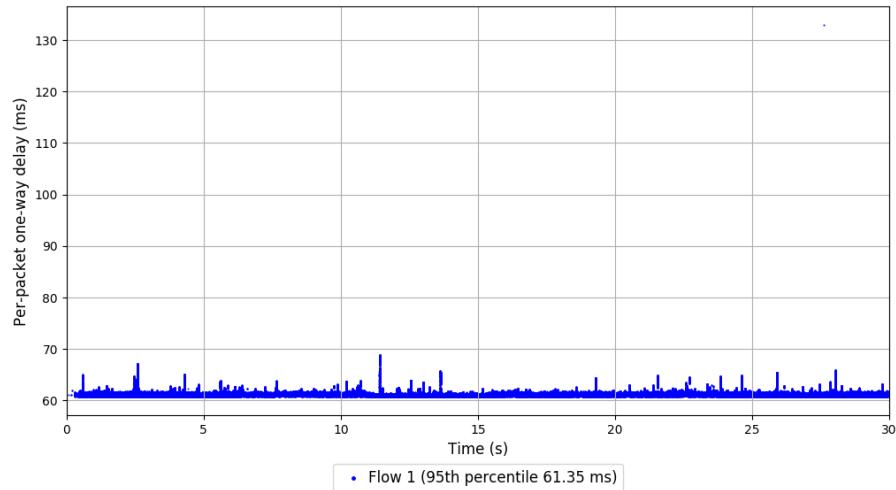
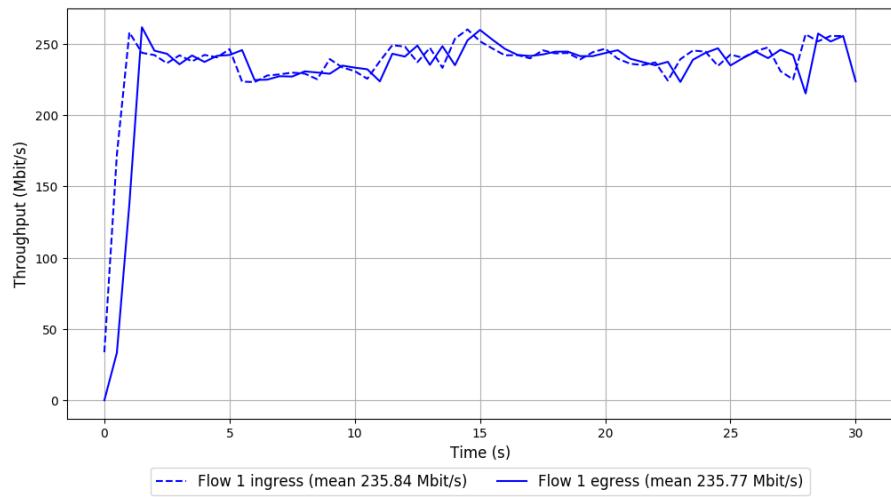


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-08-11 18:00:38
End at: 2018-08-11 18:01:08
Local clock offset: 0.706 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.77 Mbit/s
95th percentile per-packet one-way delay: 61.354 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 235.77 Mbit/s
95th percentile per-packet one-way delay: 61.354 ms
Loss rate: 0.44%
```

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

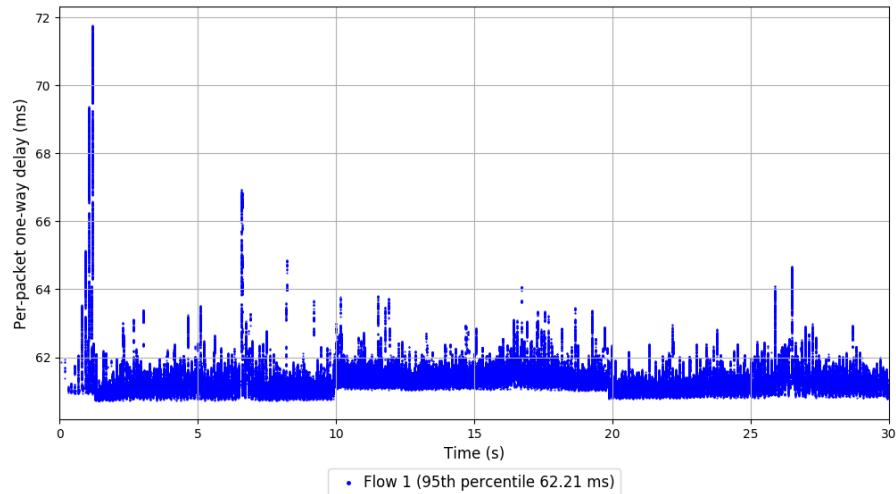
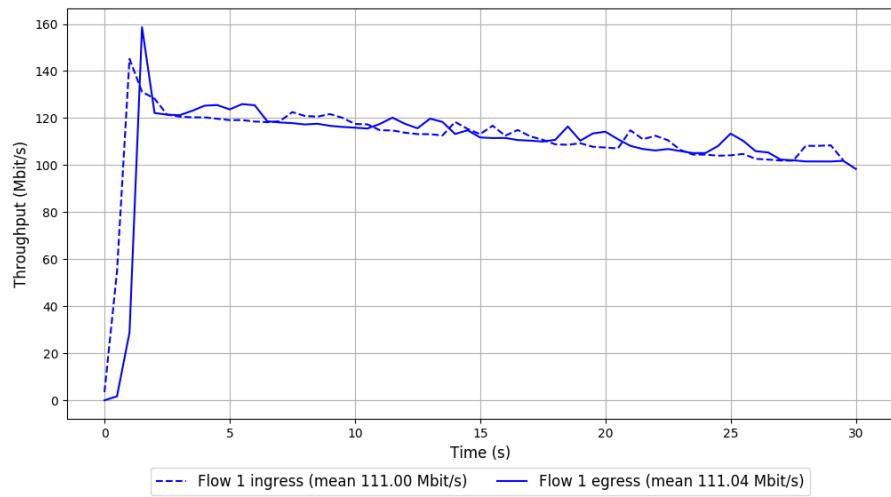


Run 1: Statistics of TCP Vegas

```
Start at: 2018-08-11 14:49:45
End at: 2018-08-11 14:50:15
Local clock offset: -0.449 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.04 Mbit/s
95th percentile per-packet one-way delay: 62.208 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 111.04 Mbit/s
95th percentile per-packet one-way delay: 62.208 ms
Loss rate: 0.38%
```

Run 1: Report of TCP Vegas — Data Link

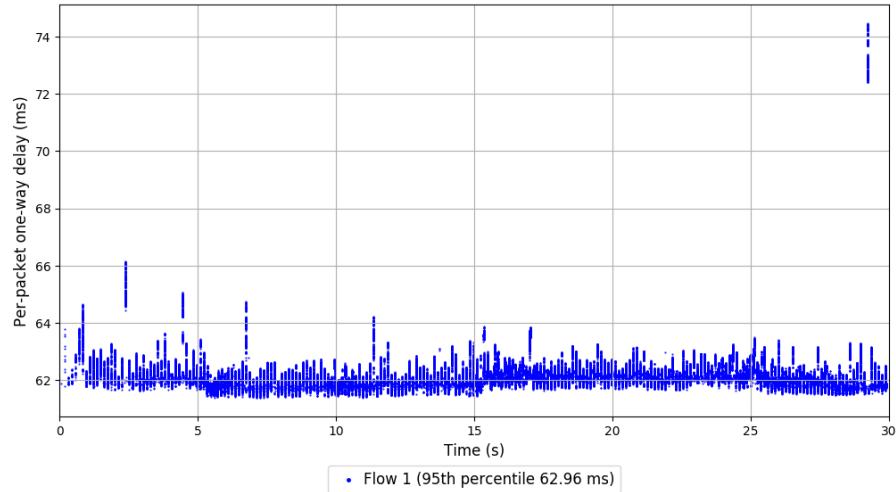
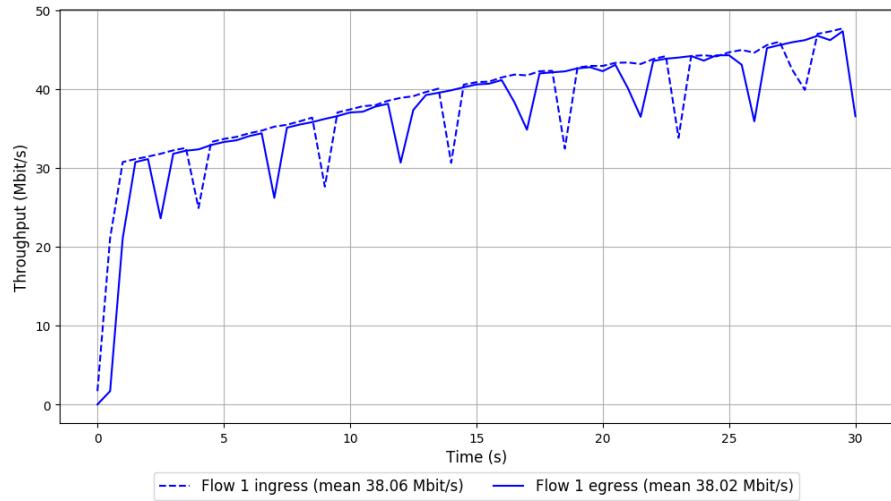


Run 2: Statistics of TCP Vegas

```
Start at: 2018-08-11 15:12:29
End at: 2018-08-11 15:12:59
Local clock offset: -0.455 ms
Remote clock offset: -0.502 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 62.964 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 62.964 ms
Loss rate: 0.52%
```

Run 2: Report of TCP Vegas — Data Link

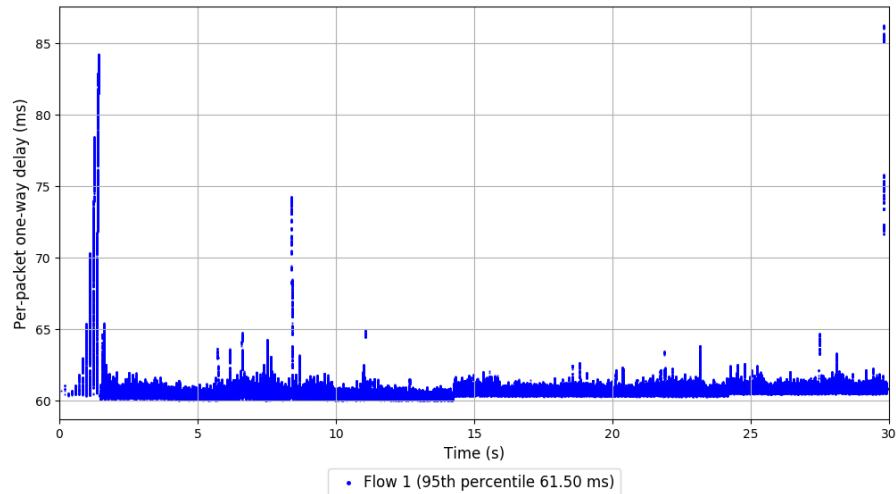
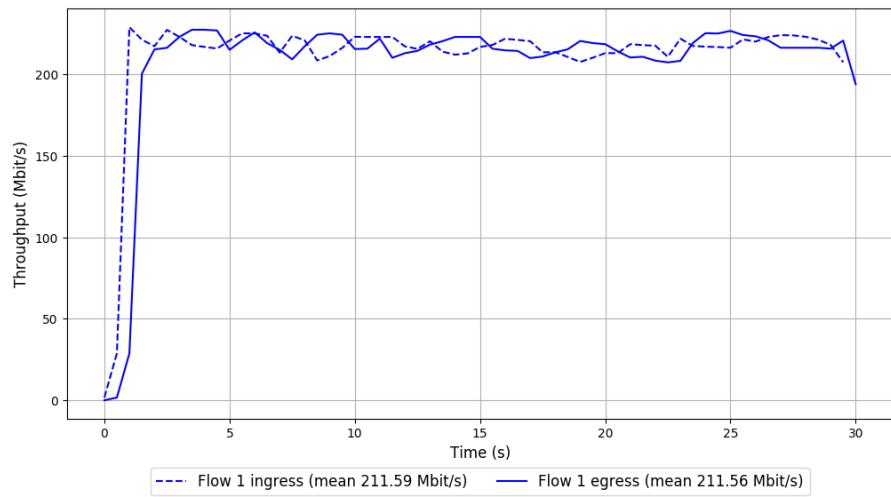


Run 3: Statistics of TCP Vegas

```
Start at: 2018-08-11 15:35:20
End at: 2018-08-11 15:35:50
Local clock offset: -0.523 ms
Remote clock offset: 0.575 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.56 Mbit/s
95th percentile per-packet one-way delay: 61.501 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 211.56 Mbit/s
95th percentile per-packet one-way delay: 61.501 ms
Loss rate: 0.42%
```

Run 3: Report of TCP Vegas — Data Link

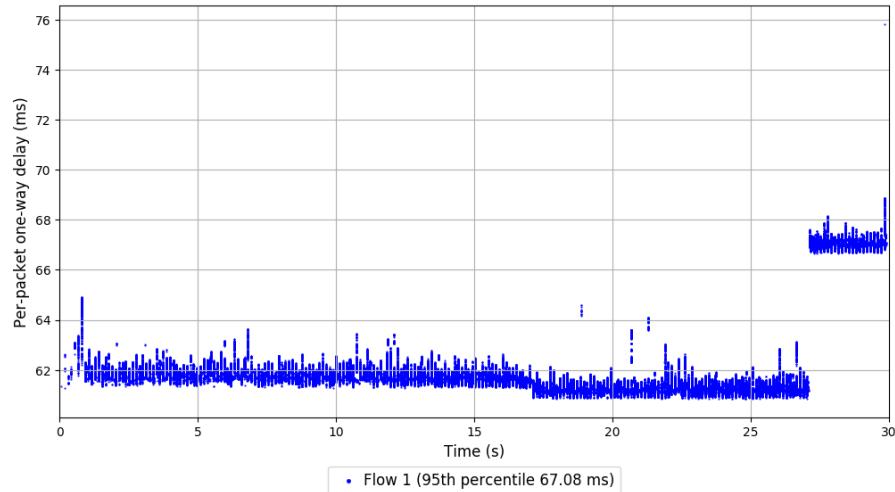
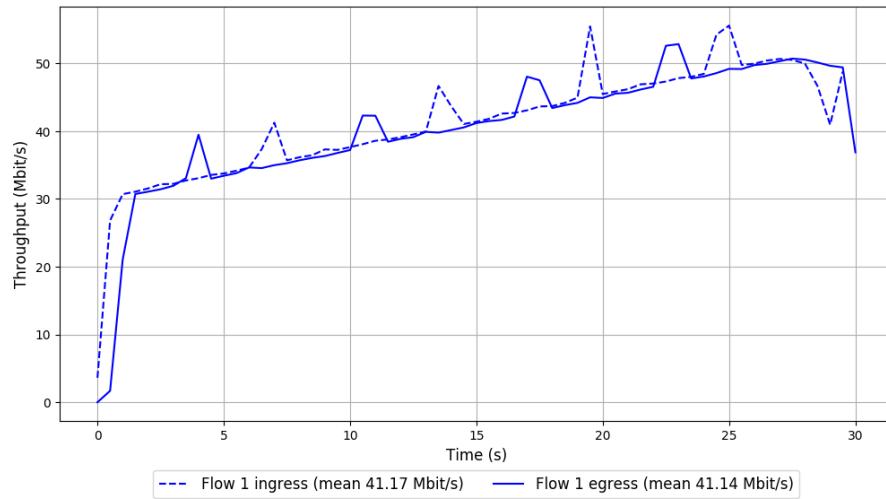


Run 4: Statistics of TCP Vegas

```
Start at: 2018-08-11 15:58:07
End at: 2018-08-11 15:58:38
Local clock offset: -0.598 ms
Remote clock offset: -0.303 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 67.080 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 67.080 ms
Loss rate: 0.49%
```

Run 4: Report of TCP Vegas — Data Link

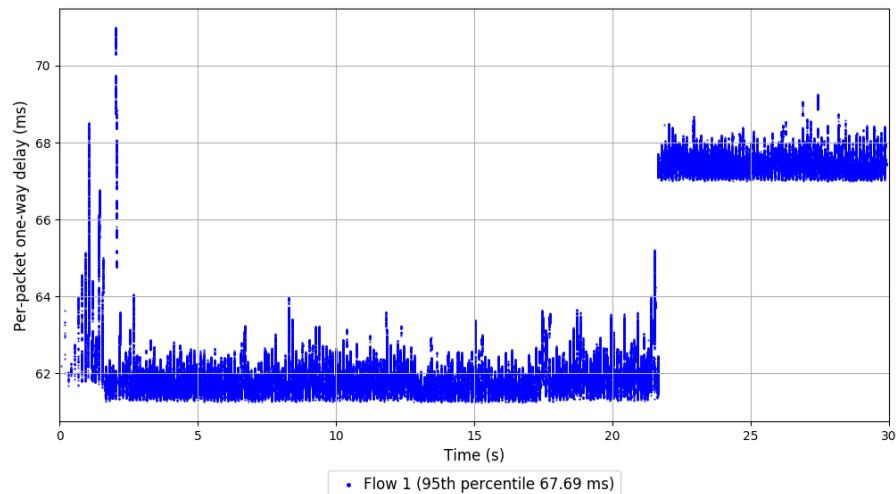
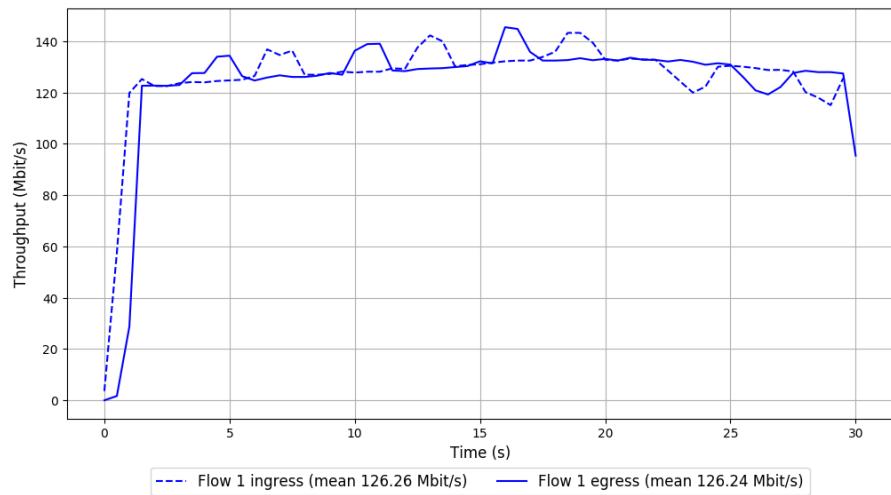


Run 5: Statistics of TCP Vegas

```
Start at: 2018-08-11 16:20:23
End at: 2018-08-11 16:20:53
Local clock offset: -0.647 ms
Remote clock offset: -0.689 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.24 Mbit/s
95th percentile per-packet one-way delay: 67.687 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 126.24 Mbit/s
95th percentile per-packet one-way delay: 67.687 ms
Loss rate: 0.42%
```

Run 5: Report of TCP Vegas — Data Link

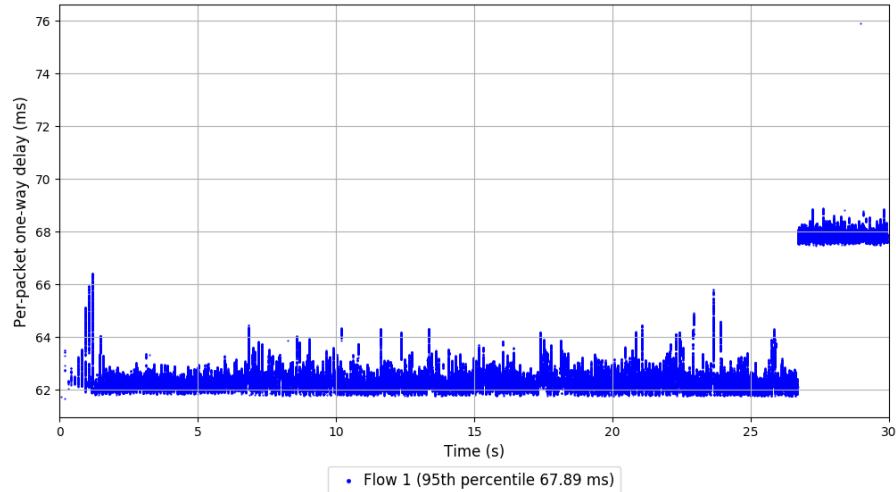
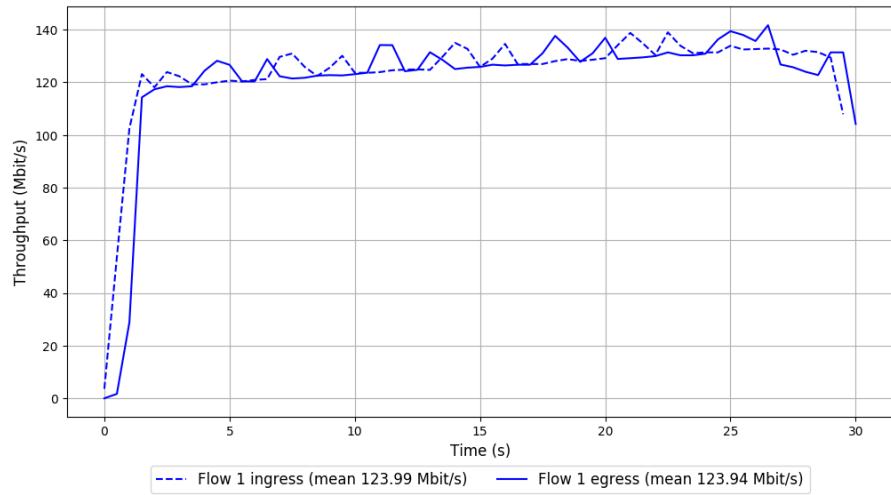


Run 6: Statistics of TCP Vegas

```
Start at: 2018-08-11 16:42:58
End at: 2018-08-11 16:43:28
Local clock offset: -0.688 ms
Remote clock offset: -0.815 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.94 Mbit/s
95th percentile per-packet one-way delay: 67.889 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 123.94 Mbit/s
95th percentile per-packet one-way delay: 67.889 ms
Loss rate: 0.44%
```

Run 6: Report of TCP Vegas — Data Link

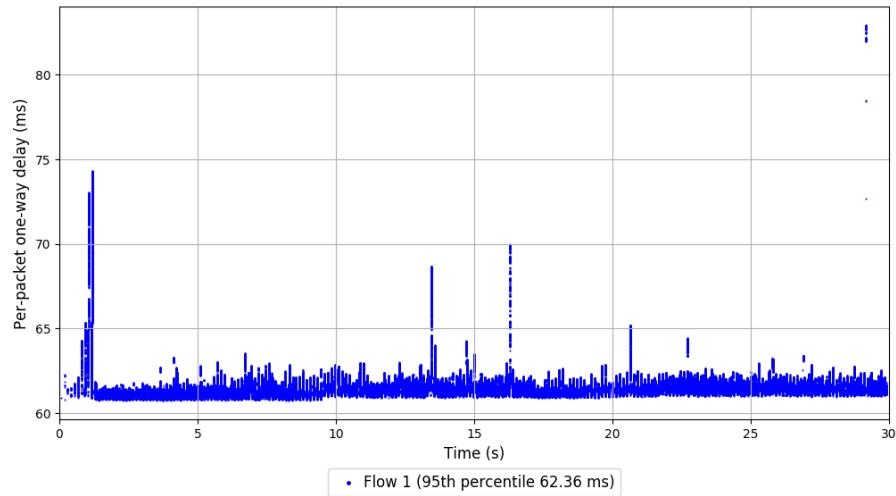
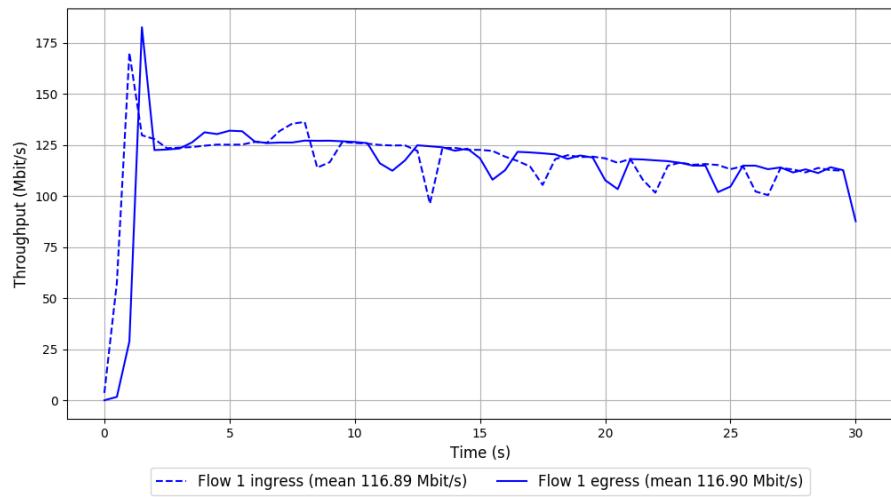


Run 7: Statistics of TCP Vegas

```
Start at: 2018-08-11 17:06:05
End at: 2018-08-11 17:06:35
Local clock offset: 0.012 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 116.90 Mbit/s
95th percentile per-packet one-way delay: 62.359 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 116.90 Mbit/s
95th percentile per-packet one-way delay: 62.359 ms
Loss rate: 0.40%
```

Run 7: Report of TCP Vegas — Data Link

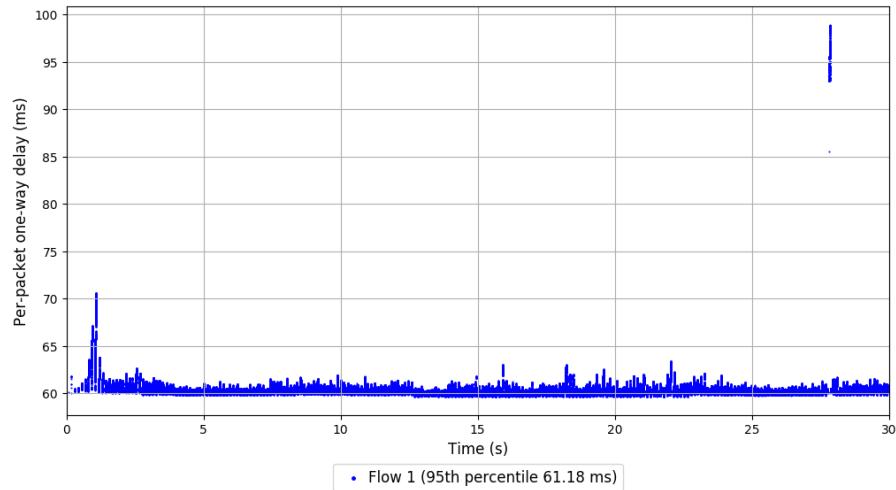
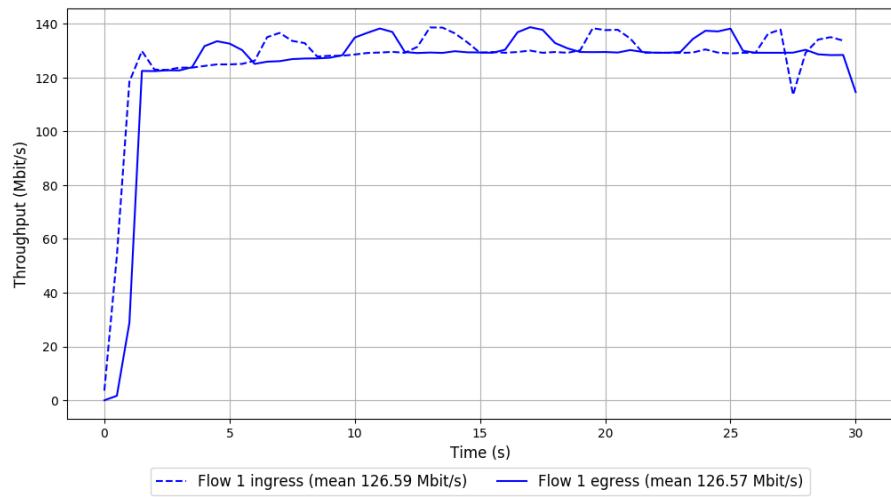


Run 8: Statistics of TCP Vegas

```
Start at: 2018-08-11 17:29:12
End at: 2018-08-11 17:29:42
Local clock offset: 0.391 ms
Remote clock offset: 1.109 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.57 Mbit/s
95th percentile per-packet one-way delay: 61.181 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 126.57 Mbit/s
95th percentile per-packet one-way delay: 61.181 ms
Loss rate: 0.42%
```

Run 8: Report of TCP Vegas — Data Link

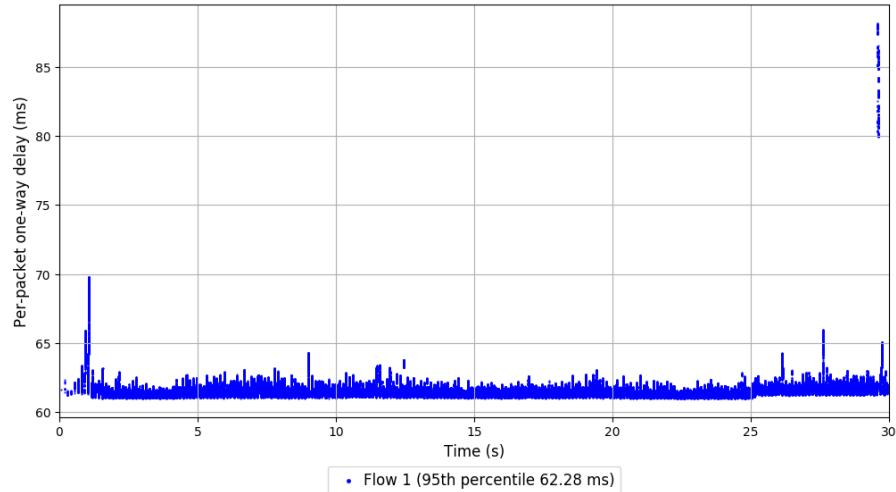
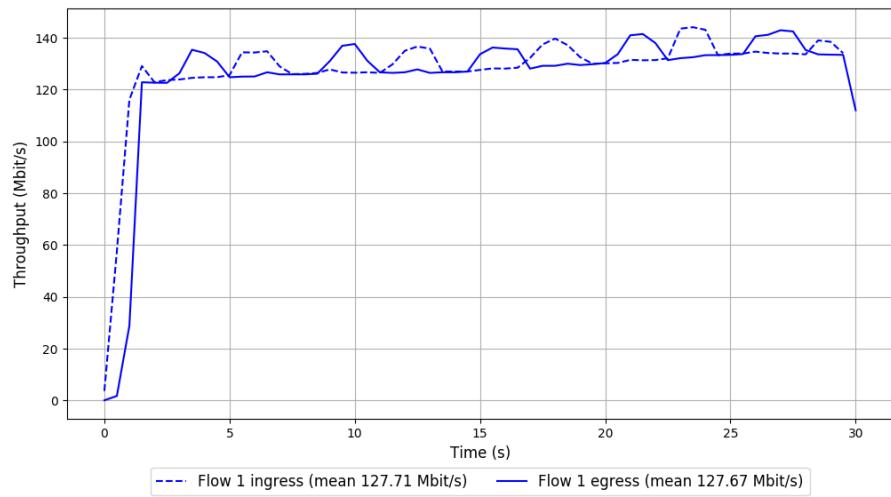


Run 9: Statistics of TCP Vegas

```
Start at: 2018-08-11 17:52:09
End at: 2018-08-11 17:52:40
Local clock offset: 0.627 ms
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.67 Mbit/s
95th percentile per-packet one-way delay: 62.278 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 127.67 Mbit/s
95th percentile per-packet one-way delay: 62.278 ms
Loss rate: 0.44%
```

Run 9: Report of TCP Vegas — Data Link

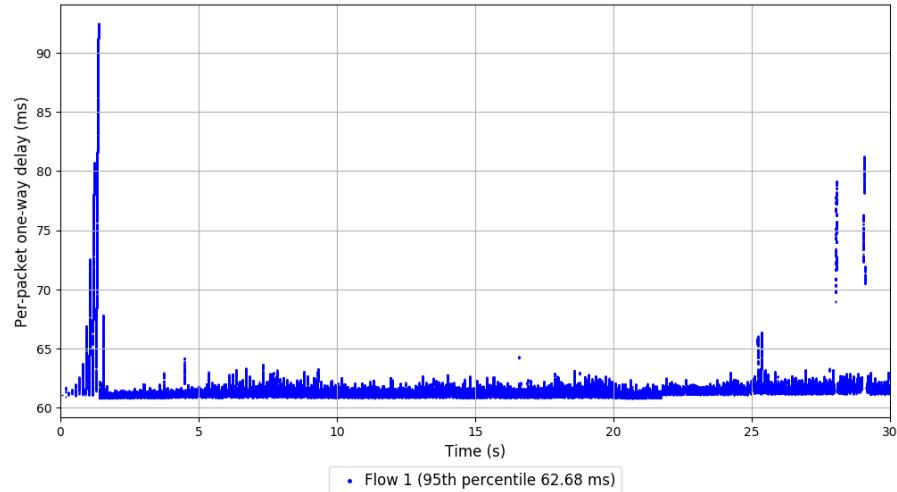
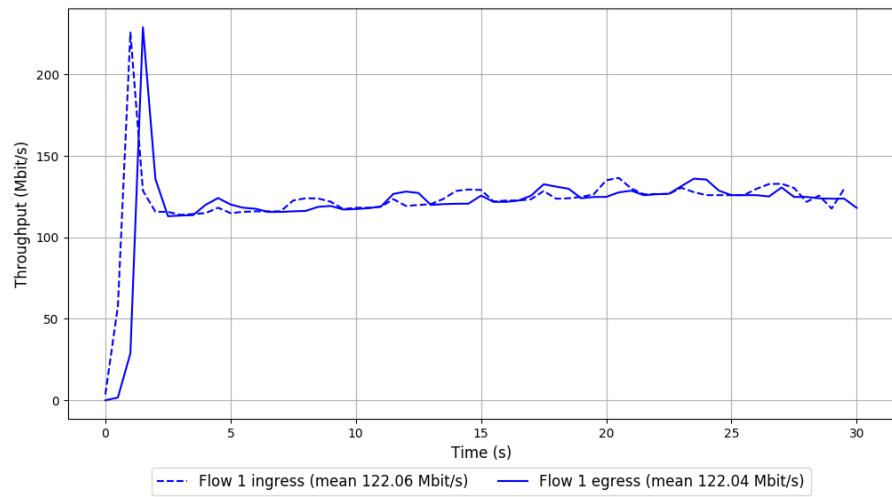


Run 10: Statistics of TCP Vegas

```
Start at: 2018-08-11 18:15:03
End at: 2018-08-11 18:15:33
Local clock offset: 0.798 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-08-11 20:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.04 Mbit/s
95th percentile per-packet one-way delay: 62.677 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 122.04 Mbit/s
95th percentile per-packet one-way delay: 62.677 ms
Loss rate: 0.42%
```

Run 10: Report of TCP Vegas — Data Link

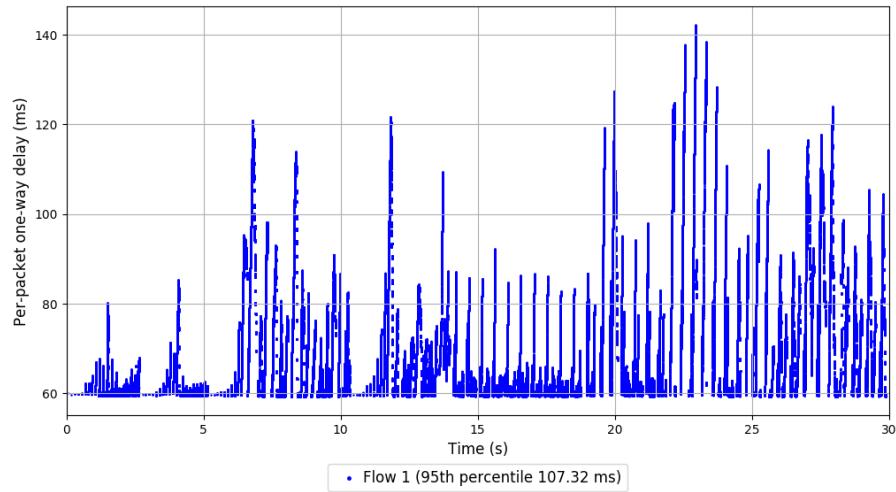
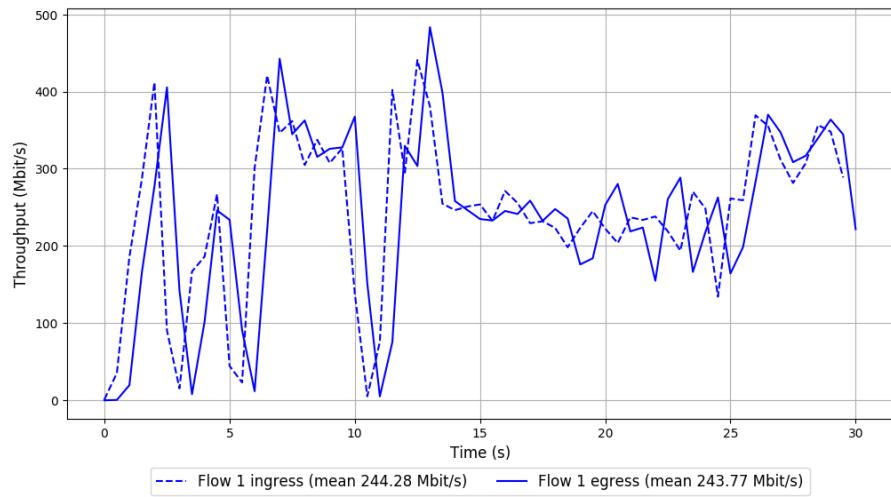


Run 1: Statistics of Verus

```
Start at: 2018-08-11 14:44:48
End at: 2018-08-11 14:45:18
Local clock offset: -0.426 ms
Remote clock offset: 1.417 ms

# Below is generated by plot.py at 2018-08-11 20:30:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 243.77 Mbit/s
95th percentile per-packet one-way delay: 107.322 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 243.77 Mbit/s
95th percentile per-packet one-way delay: 107.322 ms
Loss rate: 0.56%
```

Run 1: Report of Verus — Data Link

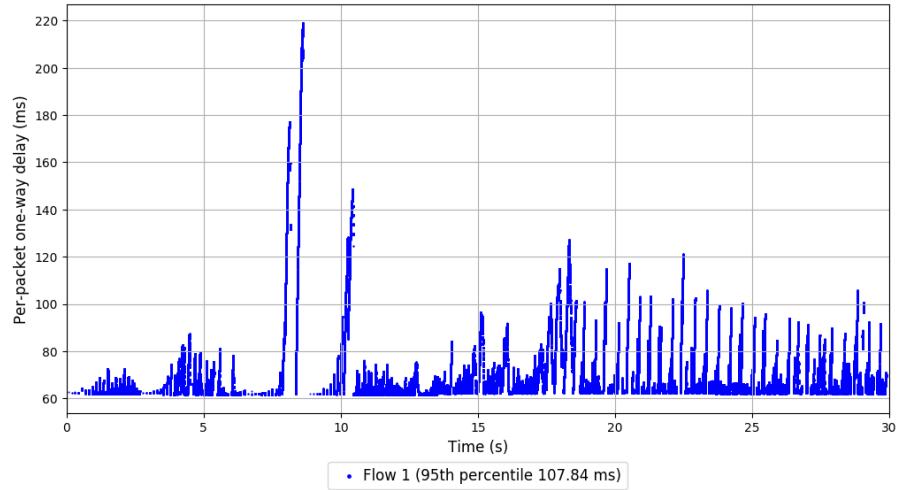
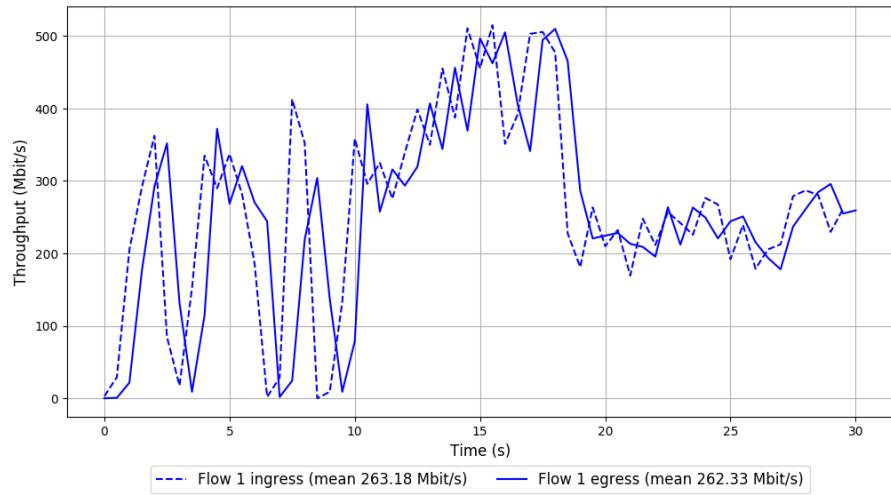


Run 2: Statistics of Verus

```
Start at: 2018-08-11 15:07:31
End at: 2018-08-11 15:08:01
Local clock offset: -0.432 ms
Remote clock offset: -0.836 ms

# Below is generated by plot.py at 2018-08-11 20:31:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 262.33 Mbit/s
95th percentile per-packet one-way delay: 107.843 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 262.33 Mbit/s
95th percentile per-packet one-way delay: 107.843 ms
Loss rate: 0.78%
```

Run 2: Report of Verus — Data Link

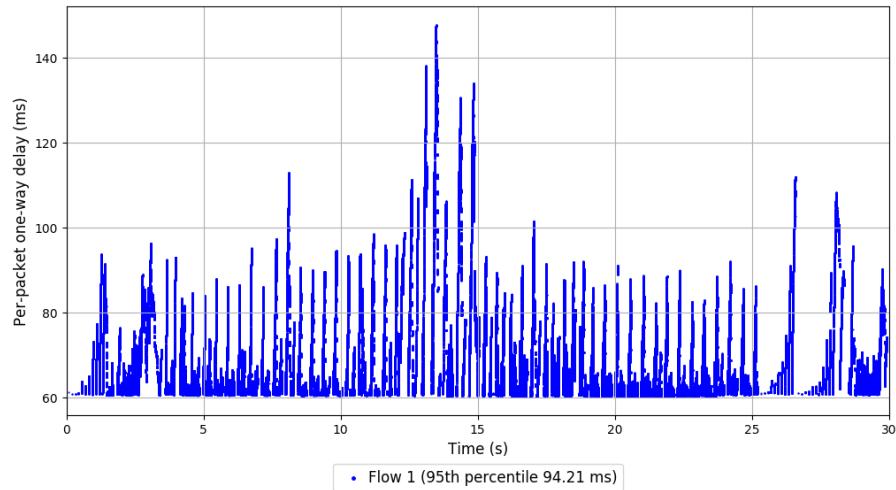
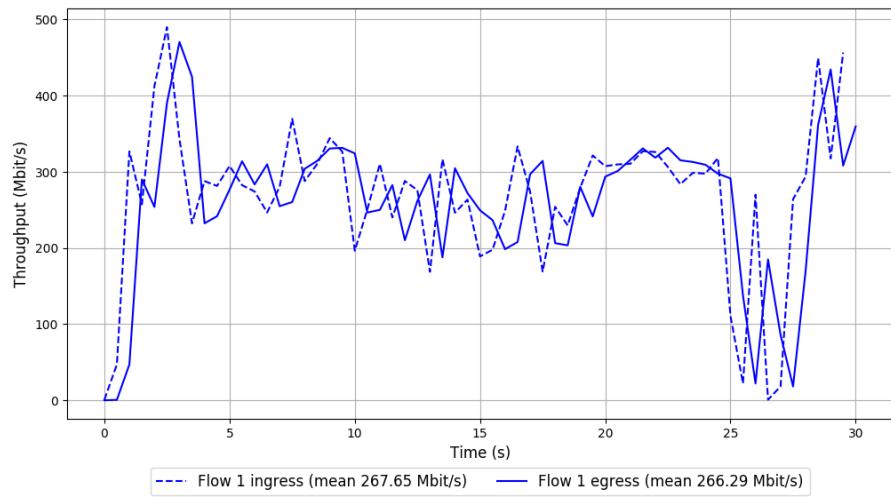


Run 3: Statistics of Verus

```
Start at: 2018-08-11 15:30:21
End at: 2018-08-11 15:30:51
Local clock offset: -0.537 ms
Remote clock offset: 0.409 ms

# Below is generated by plot.py at 2018-08-11 20:32:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.29 Mbit/s
95th percentile per-packet one-way delay: 94.211 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 266.29 Mbit/s
95th percentile per-packet one-way delay: 94.211 ms
Loss rate: 0.92%
```

Run 3: Report of Verus — Data Link

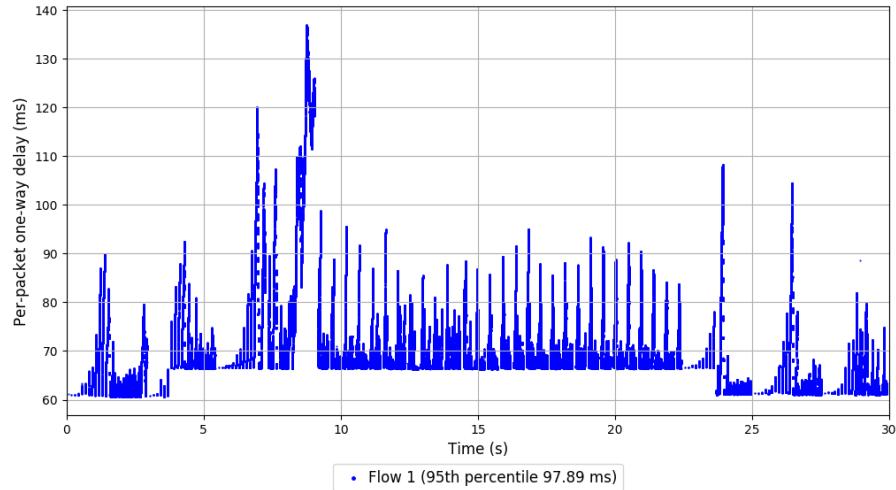
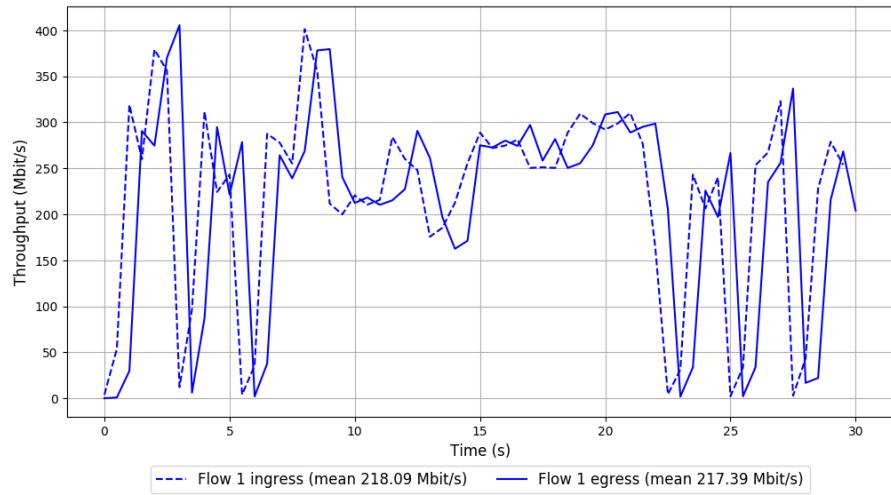


Run 4: Statistics of Verus

```
Start at: 2018-08-11 15:53:21
End at: 2018-08-11 15:53:51
Local clock offset: -0.583 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-08-11 20:32:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.39 Mbit/s
95th percentile per-packet one-way delay: 97.891 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 217.39 Mbit/s
95th percentile per-packet one-way delay: 97.891 ms
Loss rate: 0.73%
```

Run 4: Report of Verus — Data Link

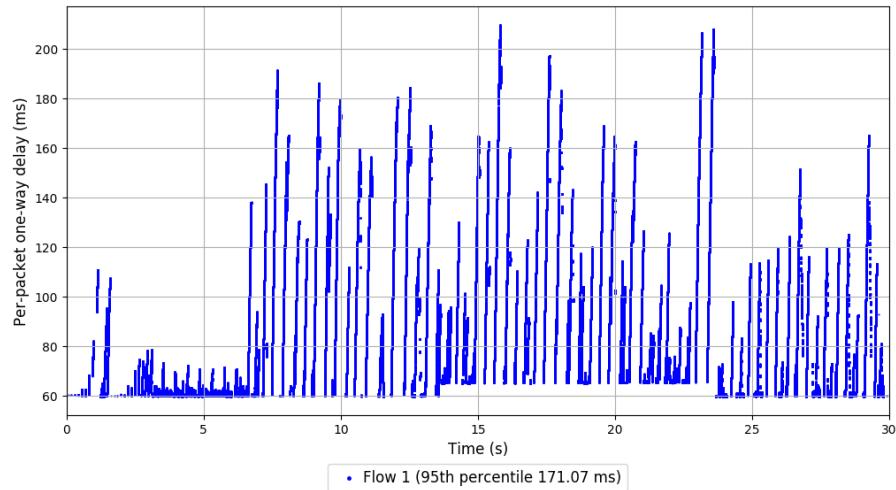
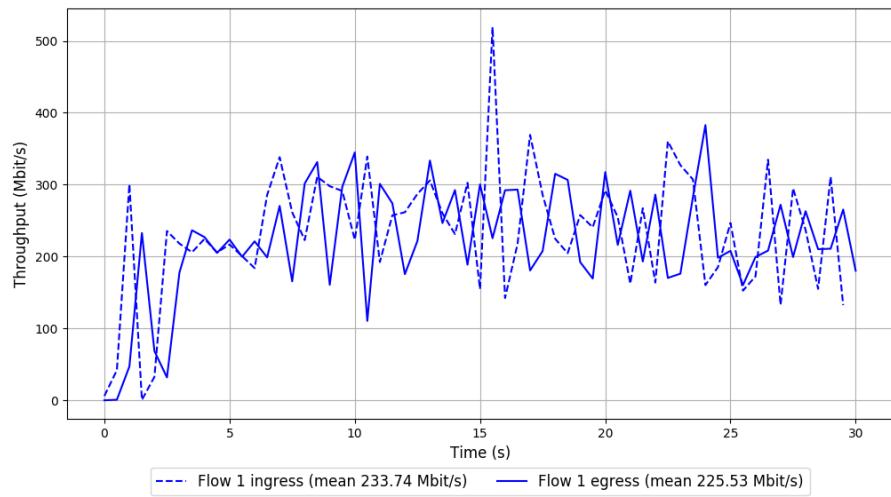


Run 5: Statistics of Verus

```
Start at: 2018-08-11 16:15:31
End at: 2018-08-11 16:16:01
Local clock offset: -0.607 ms
Remote clock offset: 1.168 ms

# Below is generated by plot.py at 2018-08-11 20:32:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.53 Mbit/s
95th percentile per-packet one-way delay: 171.072 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 225.53 Mbit/s
95th percentile per-packet one-way delay: 171.072 ms
Loss rate: 3.91%
```

Run 5: Report of Verus — Data Link

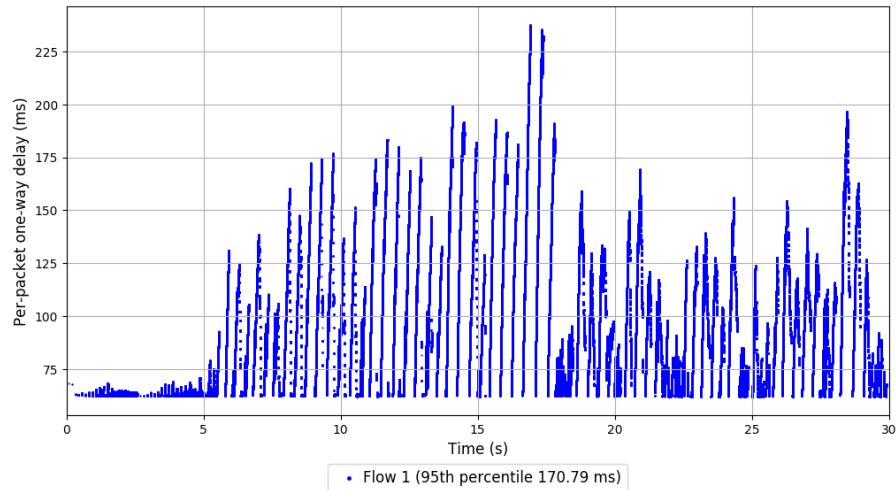
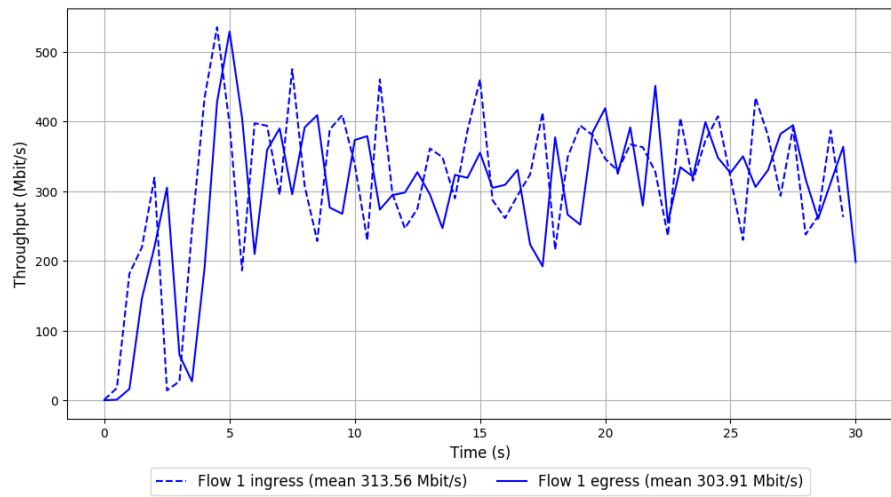


Run 6: Statistics of Verus

```
Start at: 2018-08-11 16:37:54
End at: 2018-08-11 16:38:24
Local clock offset: -0.712 ms
Remote clock offset: -1.306 ms

# Below is generated by plot.py at 2018-08-11 20:33:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 303.91 Mbit/s
95th percentile per-packet one-way delay: 170.786 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 303.91 Mbit/s
95th percentile per-packet one-way delay: 170.786 ms
Loss rate: 3.36%
```

Run 6: Report of Verus — Data Link

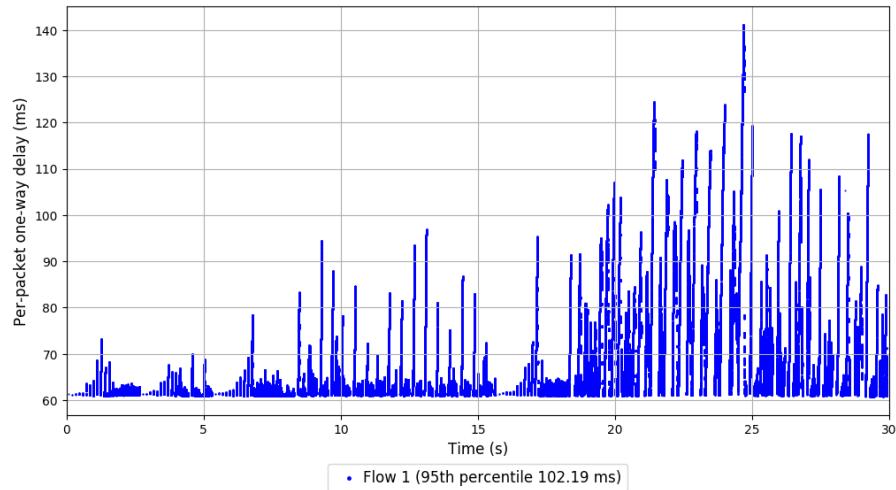
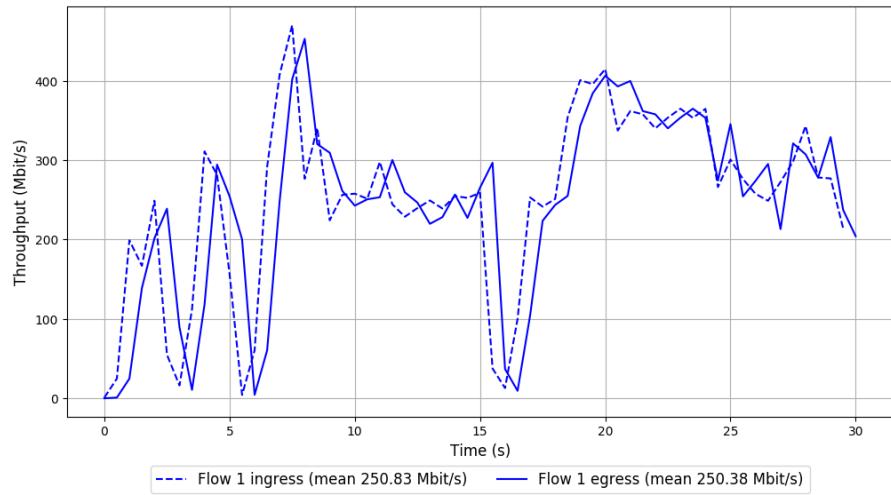


Run 7: Statistics of Verus

```
Start at: 2018-08-11 17:01:06
End at: 2018-08-11 17:01:36
Local clock offset: -0.232 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-08-11 20:33:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.38 Mbit/s
95th percentile per-packet one-way delay: 102.186 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 250.38 Mbit/s
95th percentile per-packet one-way delay: 102.186 ms
Loss rate: 0.43%
```

Run 7: Report of Verus — Data Link

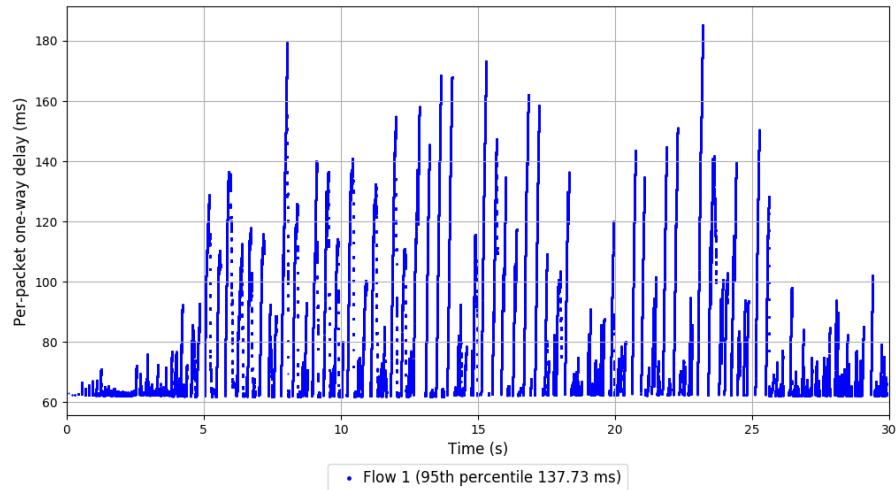
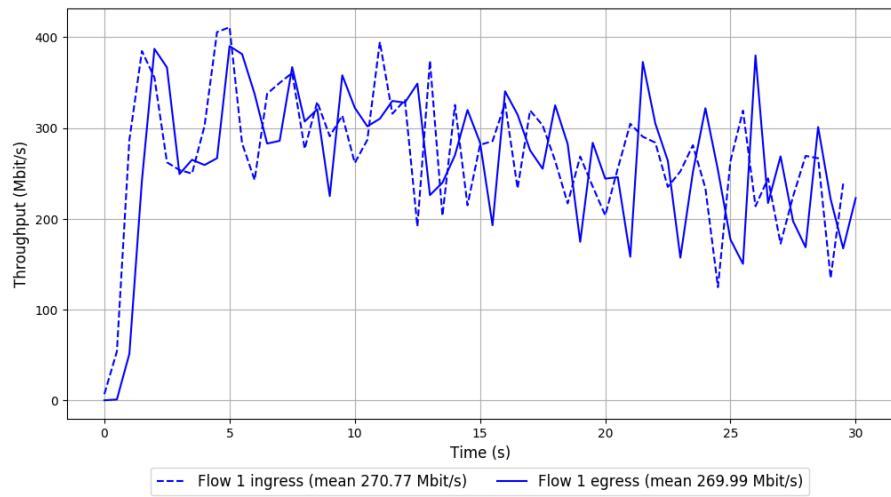


Run 8: Statistics of Verus

```
Start at: 2018-08-11 17:24:11
End at: 2018-08-11 17:24:41
Local clock offset: 0.353 ms
Remote clock offset: -0.927 ms

# Below is generated by plot.py at 2018-08-11 20:33:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.99 Mbit/s
95th percentile per-packet one-way delay: 137.729 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 269.99 Mbit/s
95th percentile per-packet one-way delay: 137.729 ms
Loss rate: 0.54%
```

Run 8: Report of Verus — Data Link

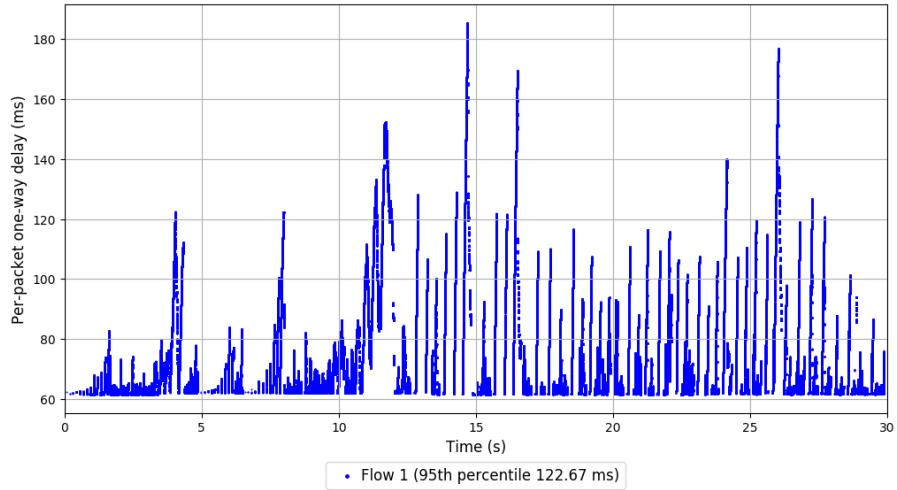
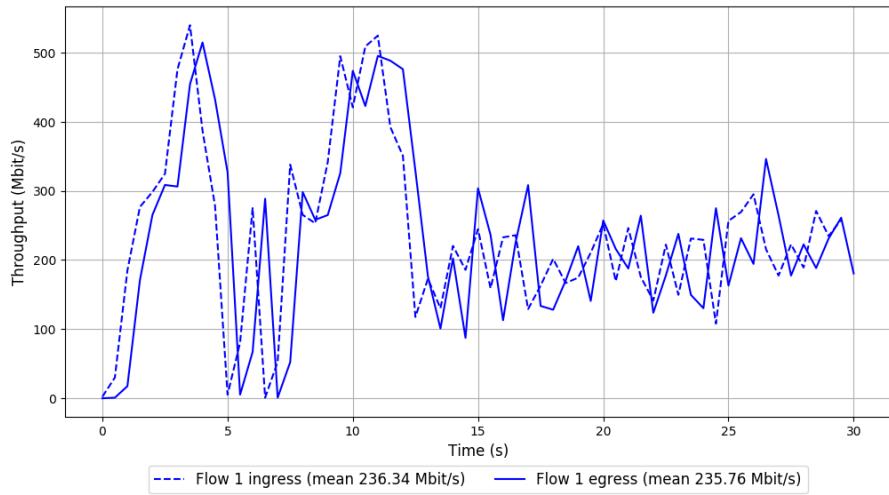


Run 9: Statistics of Verus

```
Start at: 2018-08-11 17:47:11
End at: 2018-08-11 17:47:41
Local clock offset: 0.573 ms
Remote clock offset: -0.759 ms

# Below is generated by plot.py at 2018-08-11 20:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.76 Mbit/s
95th percentile per-packet one-way delay: 122.670 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 235.76 Mbit/s
95th percentile per-packet one-way delay: 122.670 ms
Loss rate: 0.65%
```

Run 9: Report of Verus — Data Link

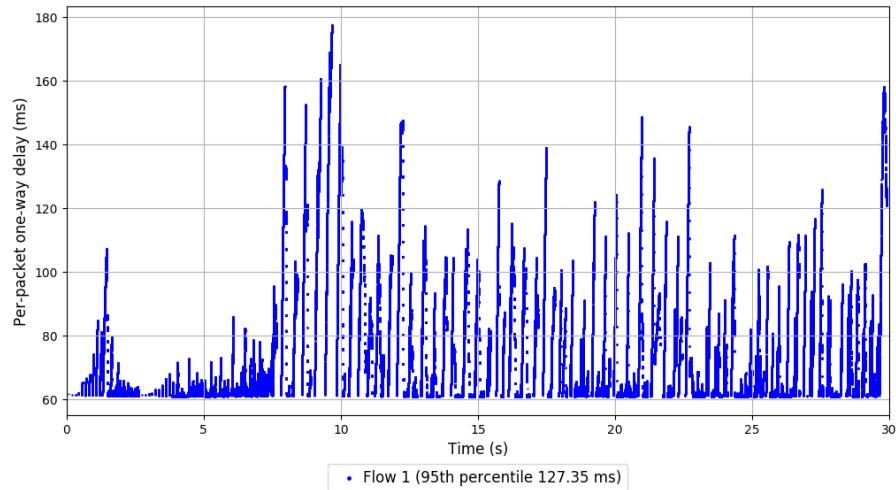
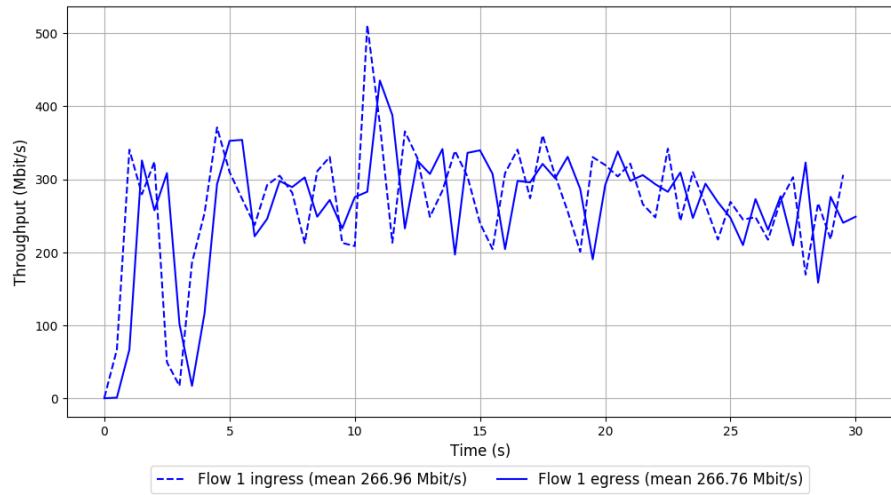


Run 10: Statistics of Verus

```
Start at: 2018-08-11 18:10:01
End at: 2018-08-11 18:10:31
Local clock offset: 0.747 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-08-11 20:35:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.76 Mbit/s
95th percentile per-packet one-way delay: 127.349 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 266.76 Mbit/s
95th percentile per-packet one-way delay: 127.349 ms
Loss rate: 0.49%
```

Run 10: Report of Verus — Data Link

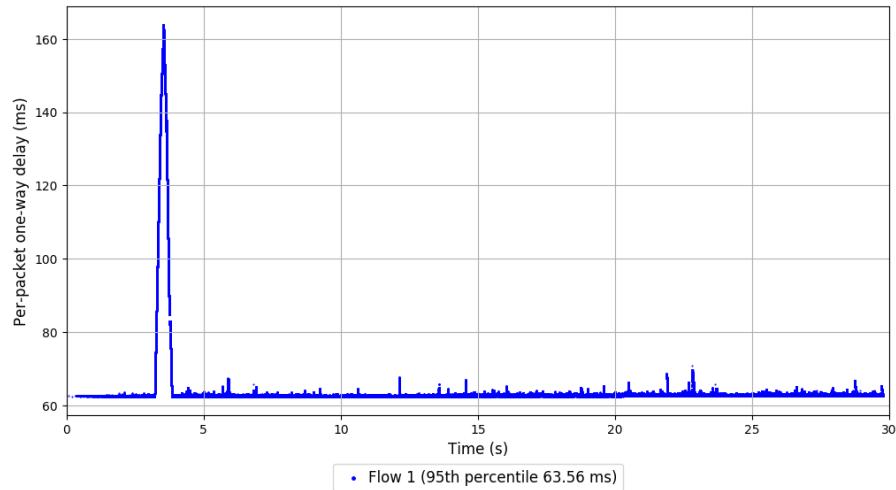
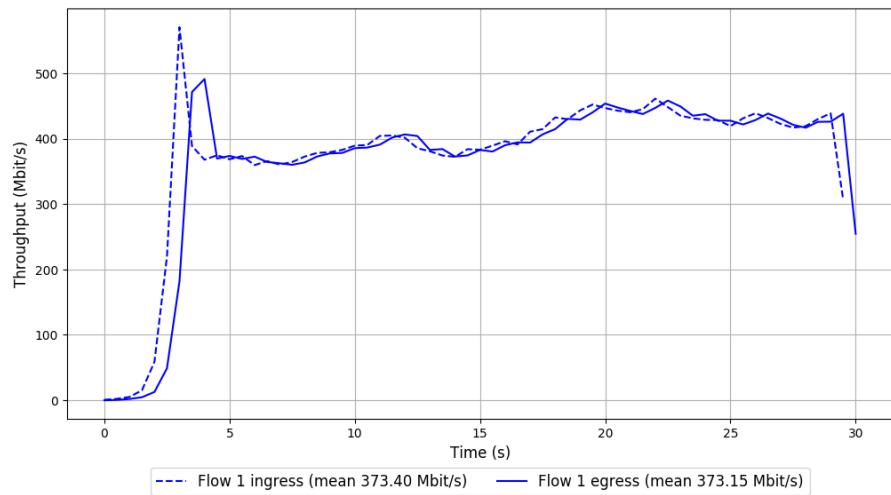


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-08-11 14:50:56
End at: 2018-08-11 14:51:26
Local clock offset: -0.416 ms
Remote clock offset: -1.584 ms

# Below is generated by plot.py at 2018-08-11 20:38:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 373.15 Mbit/s
95th percentile per-packet one-way delay: 63.563 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 373.15 Mbit/s
95th percentile per-packet one-way delay: 63.563 ms
Loss rate: 0.48%
```

Run 1: Report of PCC-Vivace — Data Link

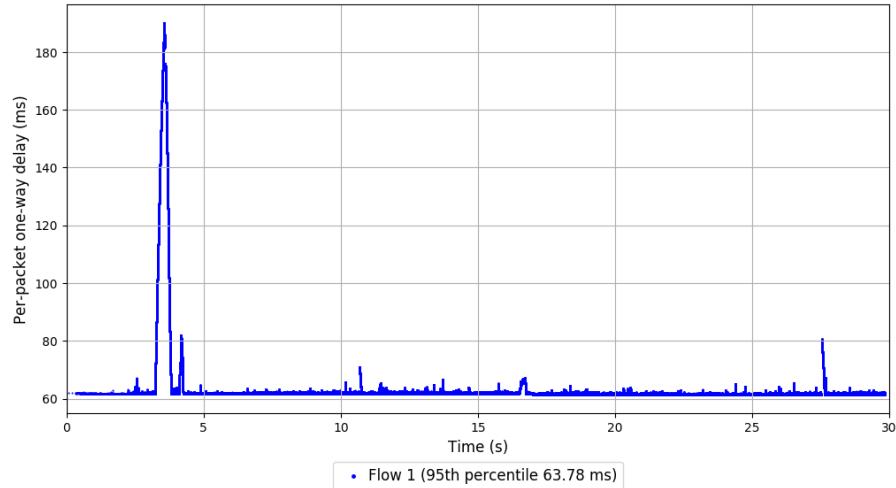
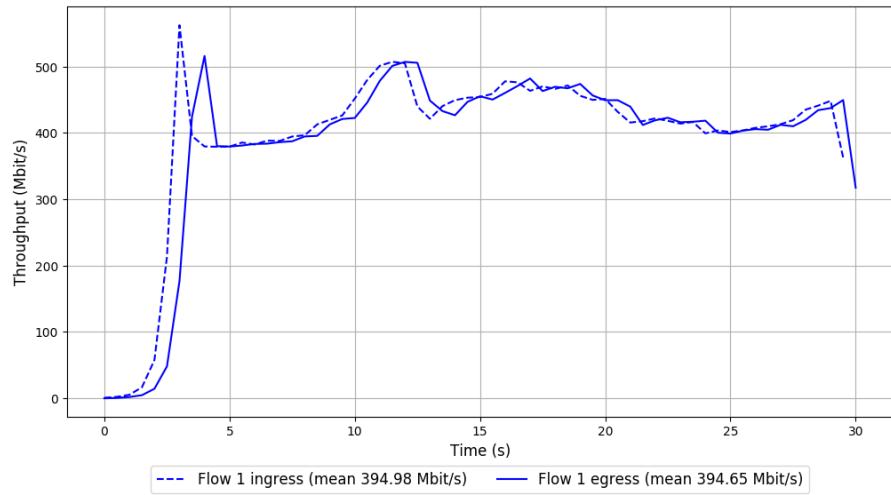


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-08-11 15:13:37
End at: 2018-08-11 15:14:08
Local clock offset: -0.501 ms
Remote clock offset: -0.67 ms

# Below is generated by plot.py at 2018-08-11 20:39:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 394.65 Mbit/s
95th percentile per-packet one-way delay: 63.780 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 394.65 Mbit/s
95th percentile per-packet one-way delay: 63.780 ms
Loss rate: 0.50%
```

Run 2: Report of PCC-Vivace — Data Link

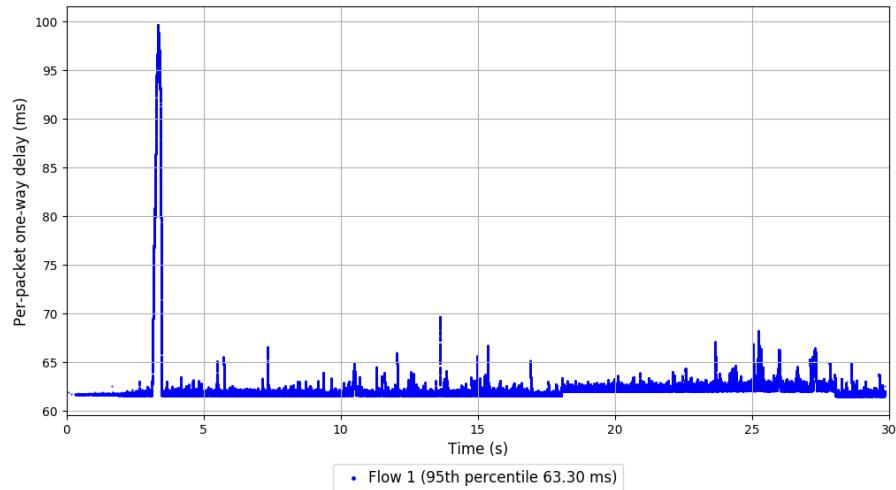
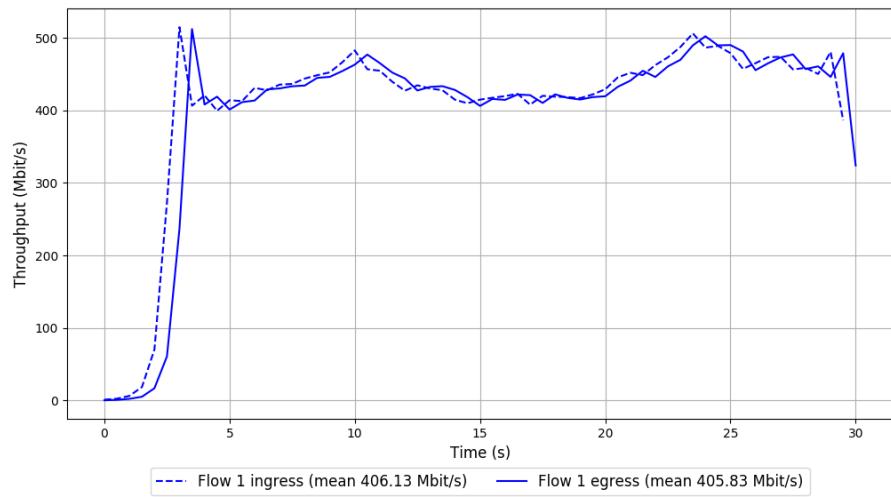


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-08-11 15:36:36
End at: 2018-08-11 15:37:06
Local clock offset: -0.53 ms
Remote clock offset: -0.89 ms

# Below is generated by plot.py at 2018-08-11 20:39:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 405.83 Mbit/s
95th percentile per-packet one-way delay: 63.300 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 405.83 Mbit/s
95th percentile per-packet one-way delay: 63.300 ms
Loss rate: 0.50%
```

Run 3: Report of PCC-Vivace — Data Link

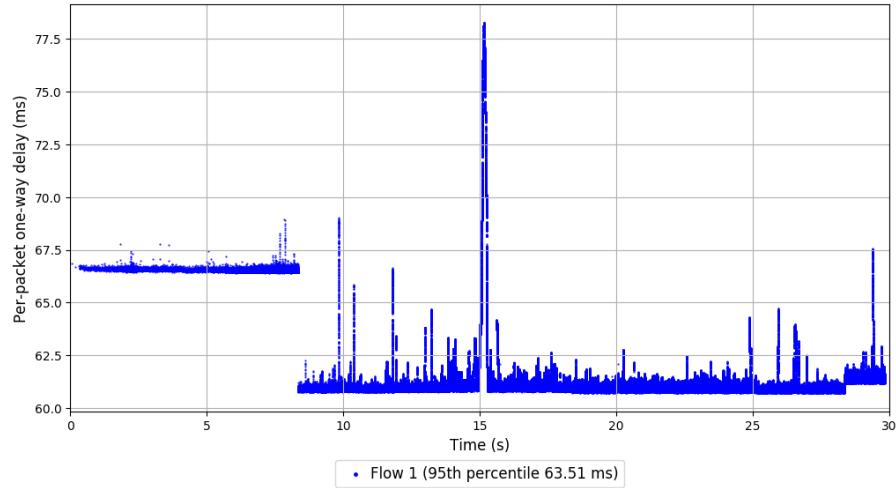
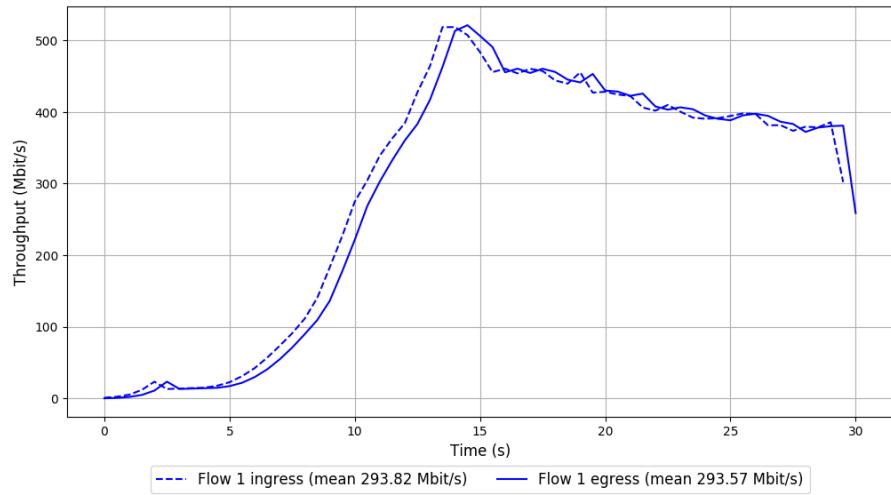


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-08-11 15:59:16
End at: 2018-08-11 15:59:46
Local clock offset: -0.602 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-08-11 20:39:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 293.57 Mbit/s
95th percentile per-packet one-way delay: 63.507 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 293.57 Mbit/s
95th percentile per-packet one-way delay: 63.507 ms
Loss rate: 0.53%
```

Run 4: Report of PCC-Vivace — Data Link

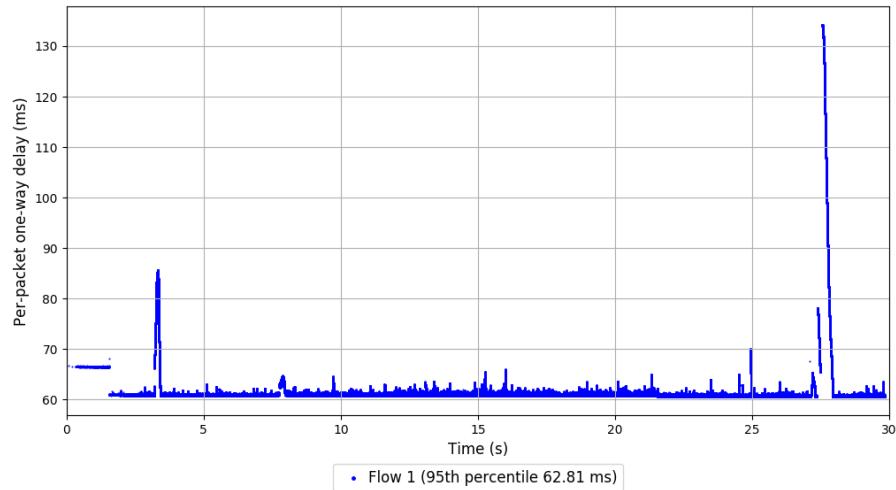
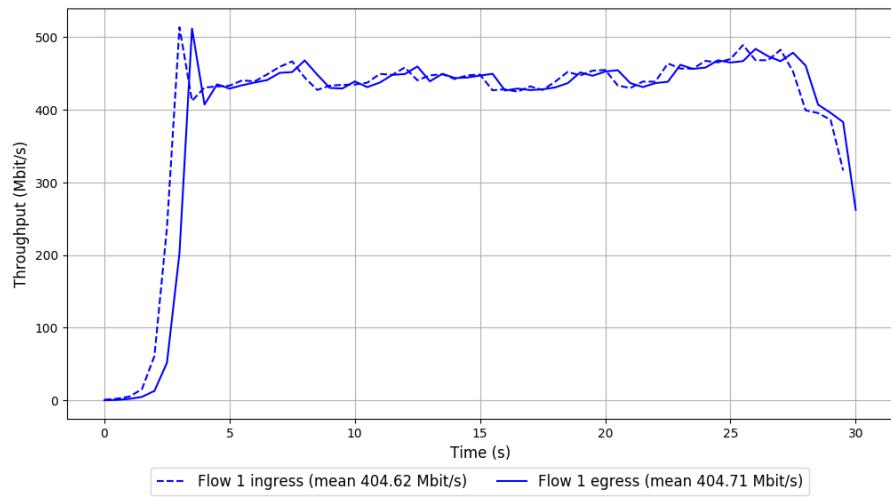


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-08-11 16:21:35
End at: 2018-08-11 16:22:05
Local clock offset: -0.662 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2018-08-11 20:40:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 404.71 Mbit/s
95th percentile per-packet one-way delay: 62.810 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 404.71 Mbit/s
95th percentile per-packet one-way delay: 62.810 ms
Loss rate: 0.43%
```

Run 5: Report of PCC-Vivace — Data Link

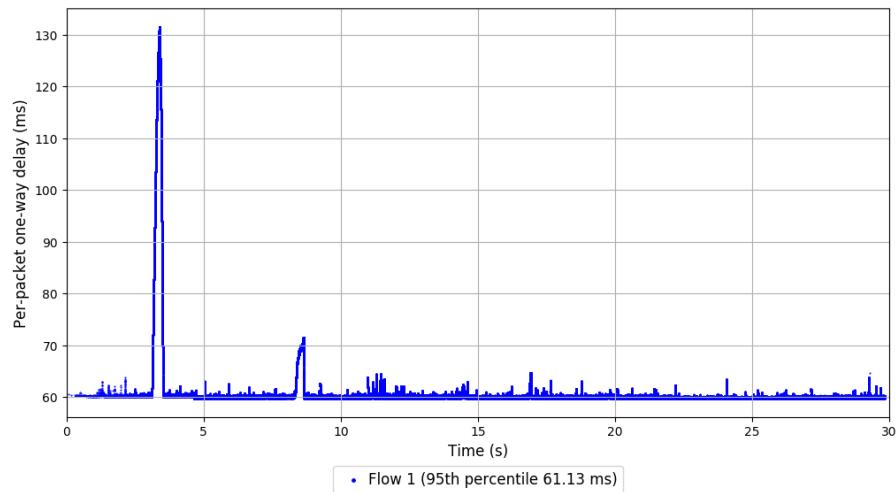
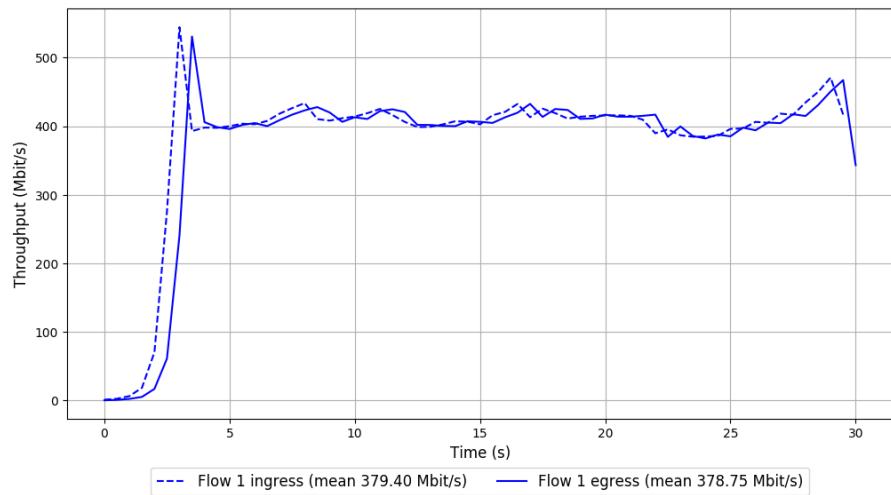


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-08-11 16:44:10
End at: 2018-08-11 16:44:40
Local clock offset: -0.709 ms
Remote clock offset: 1.207 ms

# Below is generated by plot.py at 2018-08-11 20:40:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 378.75 Mbit/s
95th percentile per-packet one-way delay: 61.133 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 378.75 Mbit/s
95th percentile per-packet one-way delay: 61.133 ms
Loss rate: 0.58%
```

Run 6: Report of PCC-Vivace — Data Link

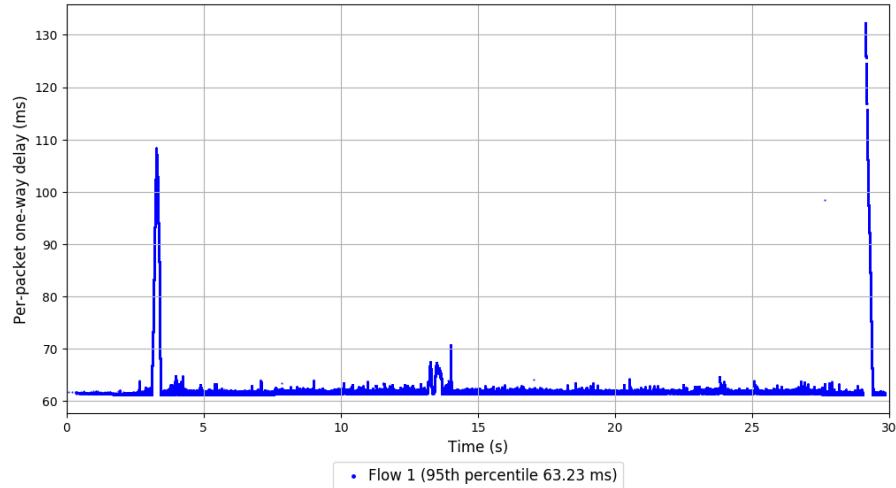
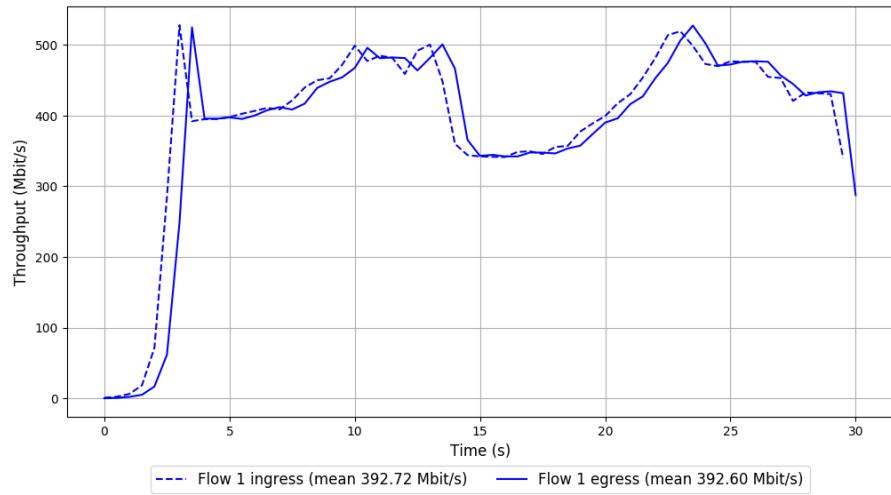


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-08-11 17:07:17
End at: 2018-08-11 17:07:47
Local clock offset: 0.017 ms
Remote clock offset: -0.493 ms

# Below is generated by plot.py at 2018-08-11 20:40:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 392.60 Mbit/s
95th percentile per-packet one-way delay: 63.234 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 392.60 Mbit/s
95th percentile per-packet one-way delay: 63.234 ms
Loss rate: 0.44%
```

Run 7: Report of PCC-Vivace — Data Link

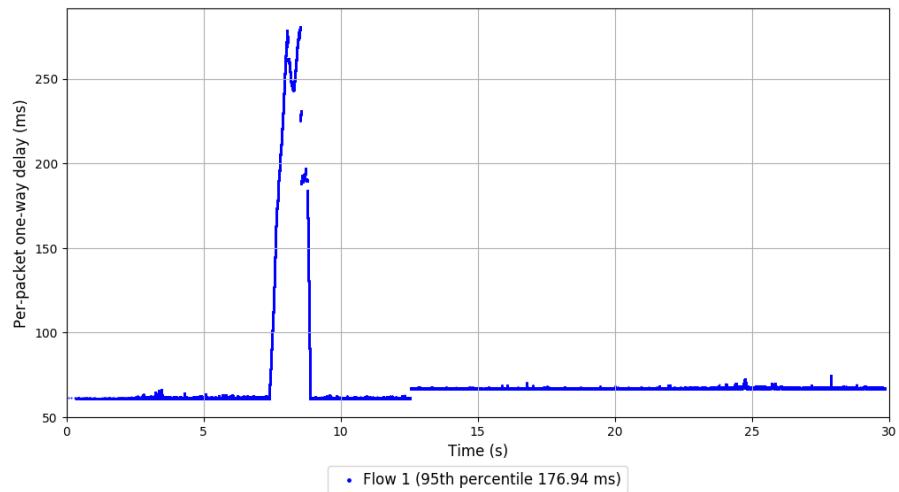
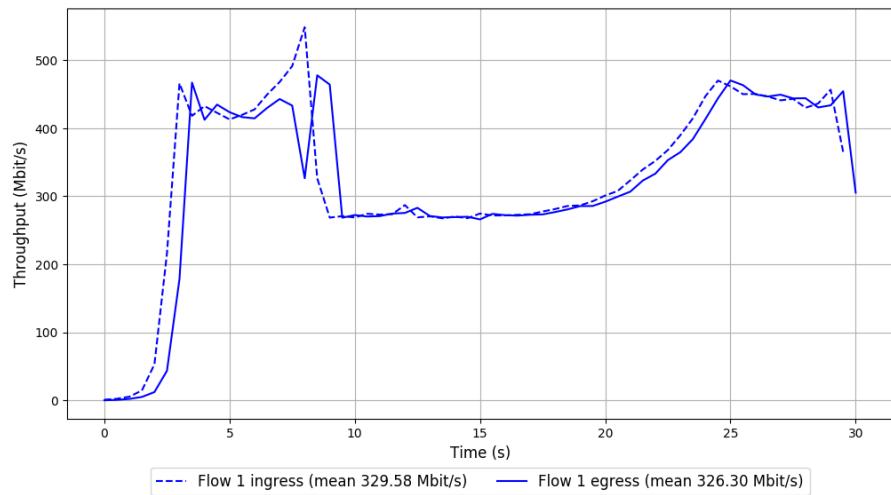


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-08-11 17:30:24
End at: 2018-08-11 17:30:54
Local clock offset: 0.386 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-08-11 20:41:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 326.30 Mbit/s
95th percentile per-packet one-way delay: 176.937 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 326.30 Mbit/s
95th percentile per-packet one-way delay: 176.937 ms
Loss rate: 1.40%
```

Run 8: Report of PCC-Vivace — Data Link

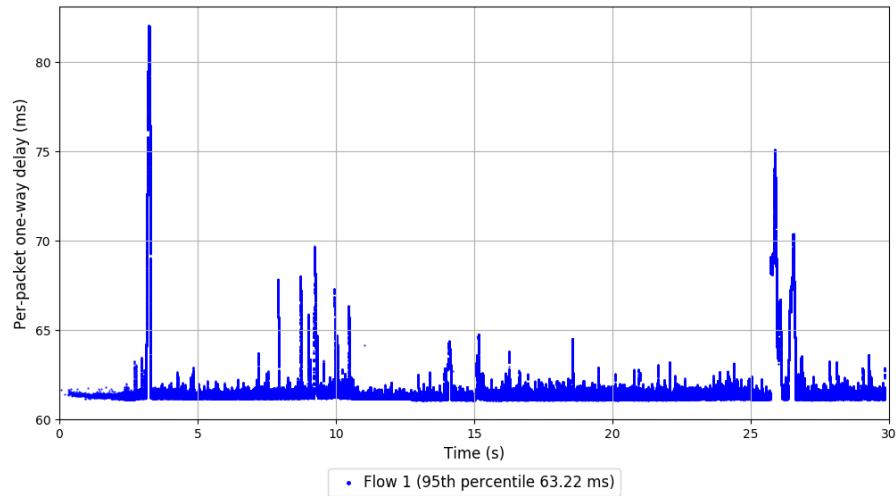
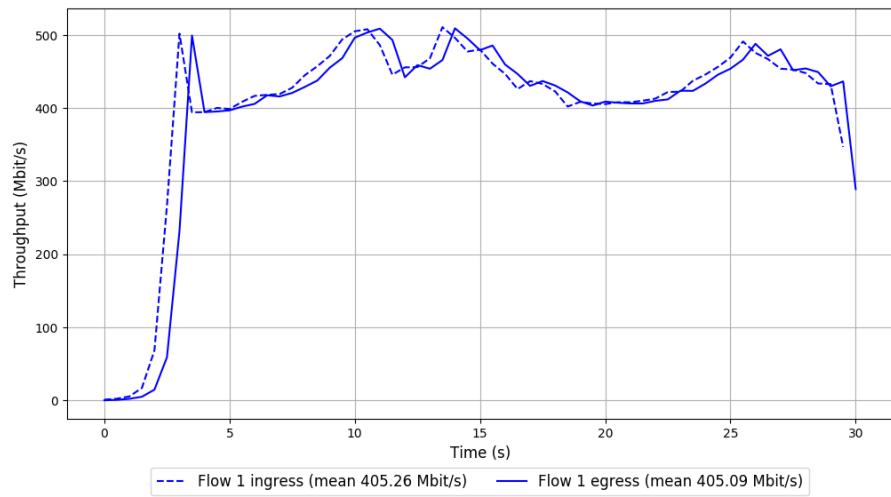


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-08-11 17:53:22
End at: 2018-08-11 17:53:52
Local clock offset: 0.623 ms
Remote clock offset: -0.21 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 405.09 Mbit/s
95th percentile per-packet one-way delay: 63.221 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 405.09 Mbit/s
95th percentile per-packet one-way delay: 63.221 ms
Loss rate: 0.45%
```

Run 9: Report of PCC-Vivace — Data Link

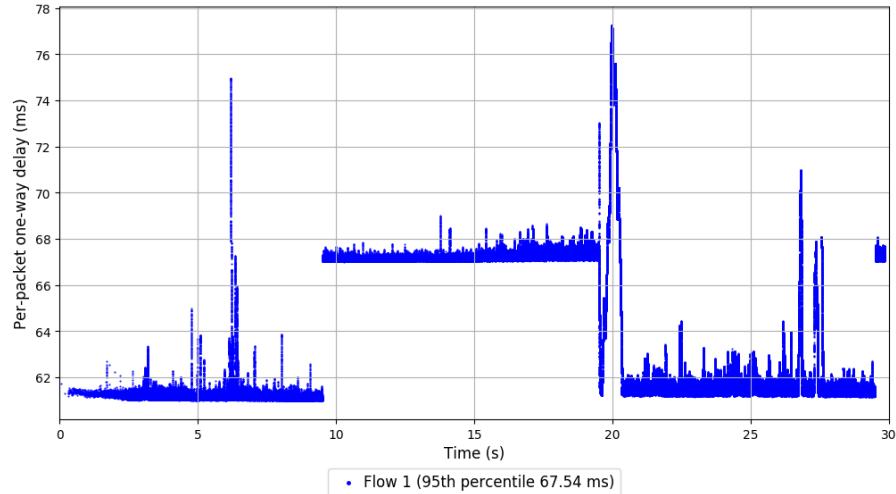
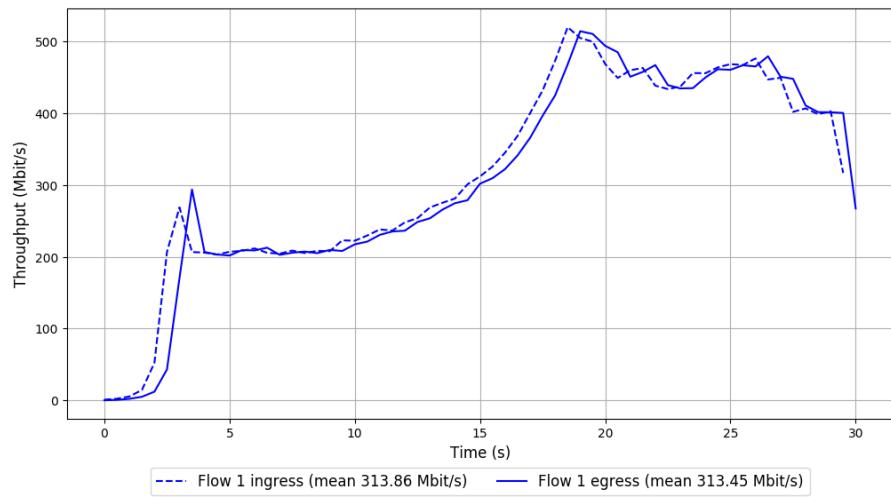


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-08-11 18:16:15
End at: 2018-08-11 18:16:45
Local clock offset: 1.0 ms
Remote clock offset: -0.255 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 313.45 Mbit/s
95th percentile per-packet one-way delay: 67.539 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 313.45 Mbit/s
95th percentile per-packet one-way delay: 67.539 ms
Loss rate: 0.54%
```

Run 10: Report of PCC-Vivace — Data Link

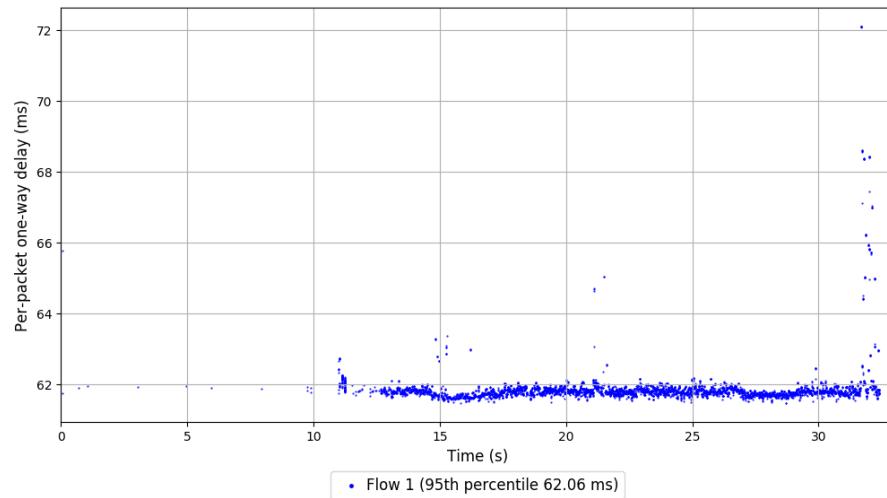
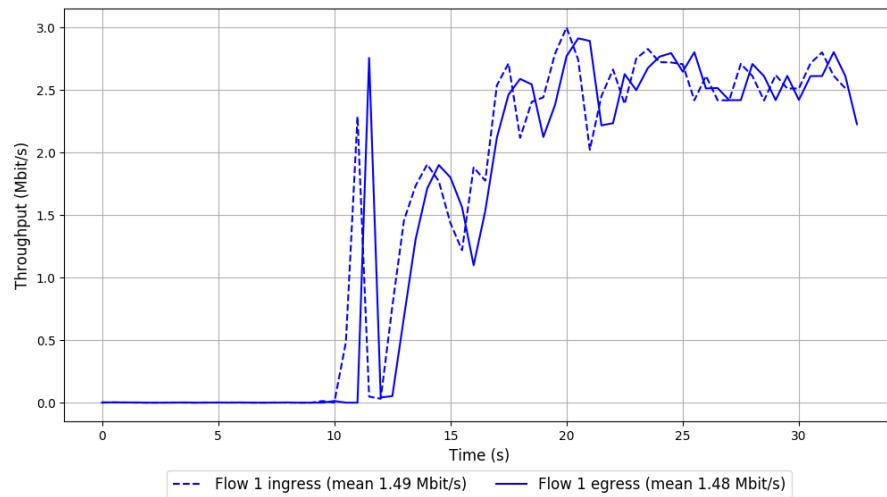


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-11 14:36:42
End at: 2018-08-11 14:37:12
Local clock offset: -0.409 ms
Remote clock offset: -0.828 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 62.061 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 62.061 ms
Loss rate: 0.70%
```

Run 1: Report of WebRTC media — Data Link

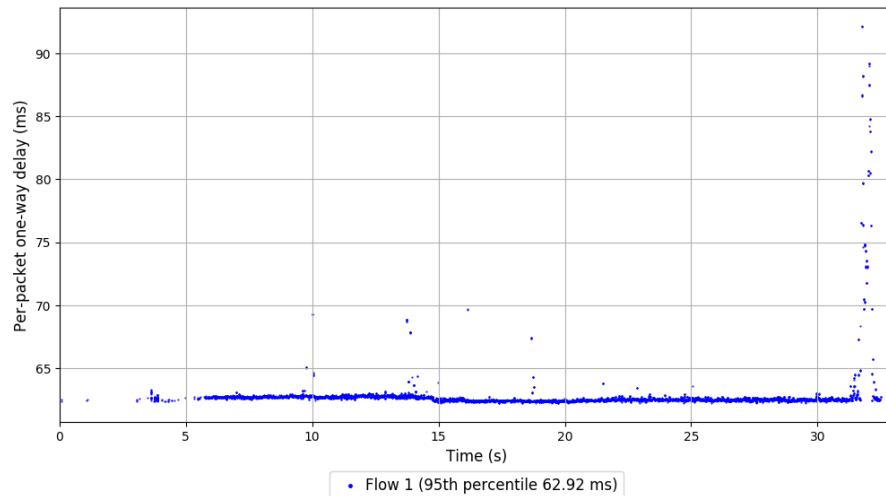
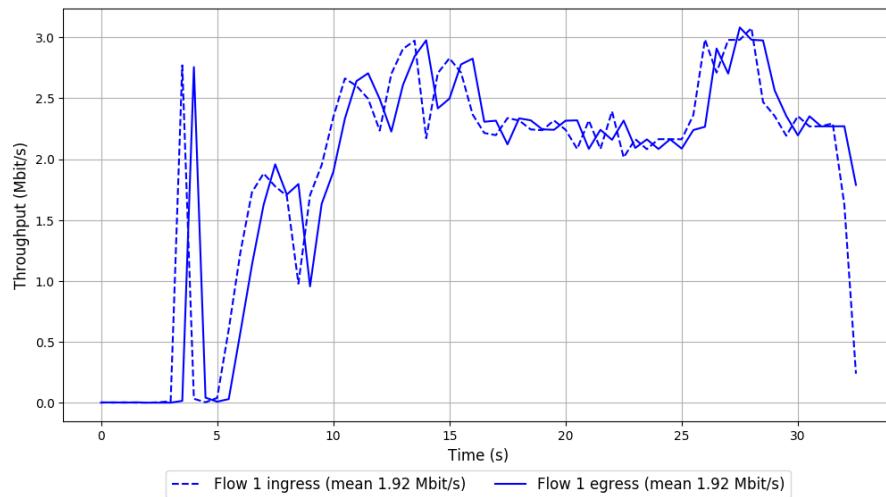


Run 2: Statistics of WebRTC media

```
Start at: 2018-08-11 14:59:32
End at: 2018-08-11 15:00:02
Local clock offset: -0.452 ms
Remote clock offset: -1.519 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 62.924 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 62.924 ms
Loss rate: 0.33%
```

Run 2: Report of WebRTC media — Data Link

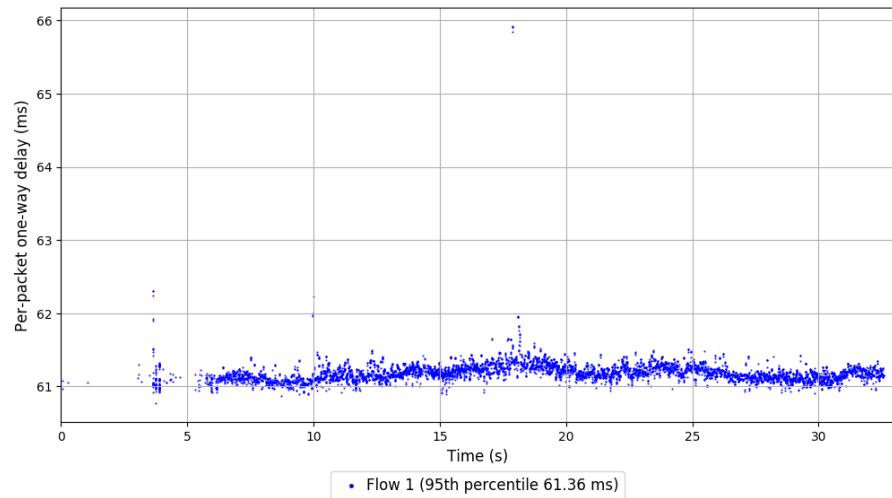
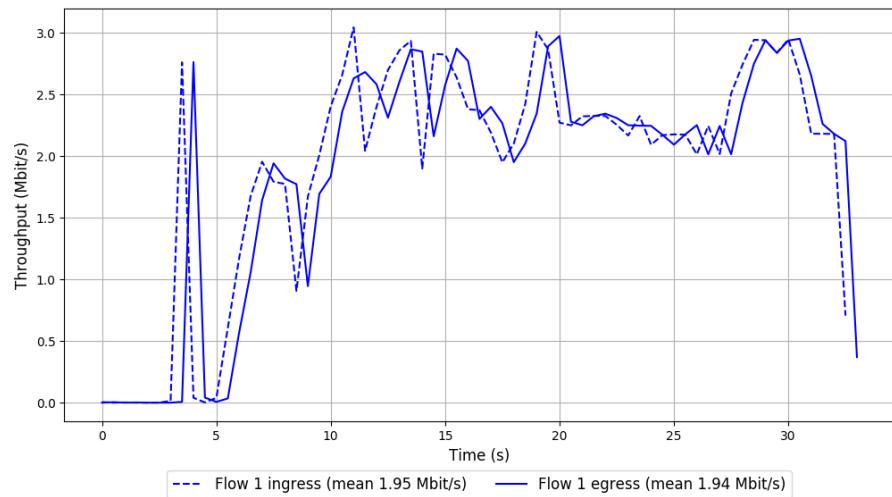


Run 3: Statistics of WebRTC media

```
Start at: 2018-08-11 15:22:16
End at: 2018-08-11 15:22:46
Local clock offset: -0.533 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.363 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.363 ms
Loss rate: 0.50%
```

Run 3: Report of WebRTC media — Data Link

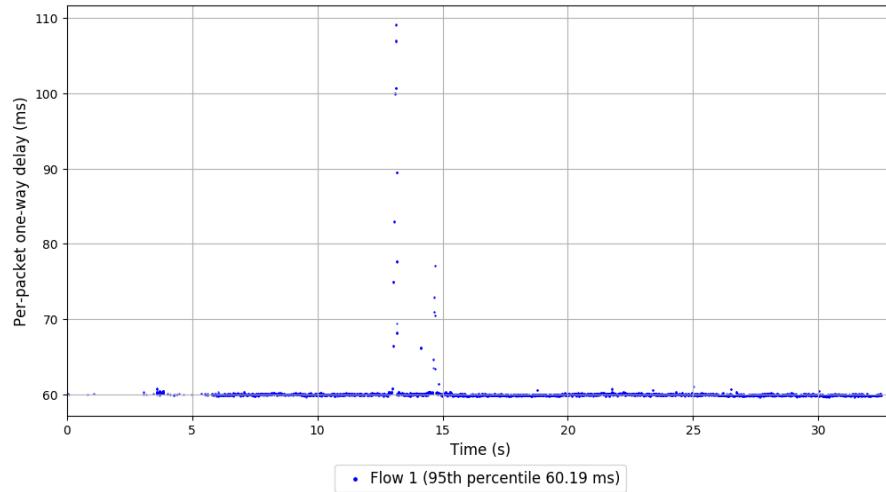
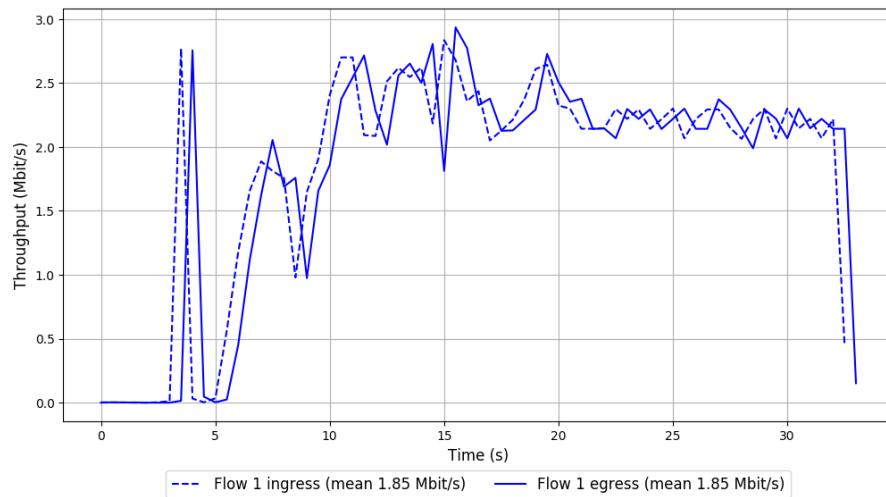


Run 4: Statistics of WebRTC media

```
Start at: 2018-08-11 15:45:21
End at: 2018-08-11 15:45:51
Local clock offset: -0.518 ms
Remote clock offset: 1.209 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 60.185 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 60.185 ms
Loss rate: 0.51%
```

Run 4: Report of WebRTC media — Data Link

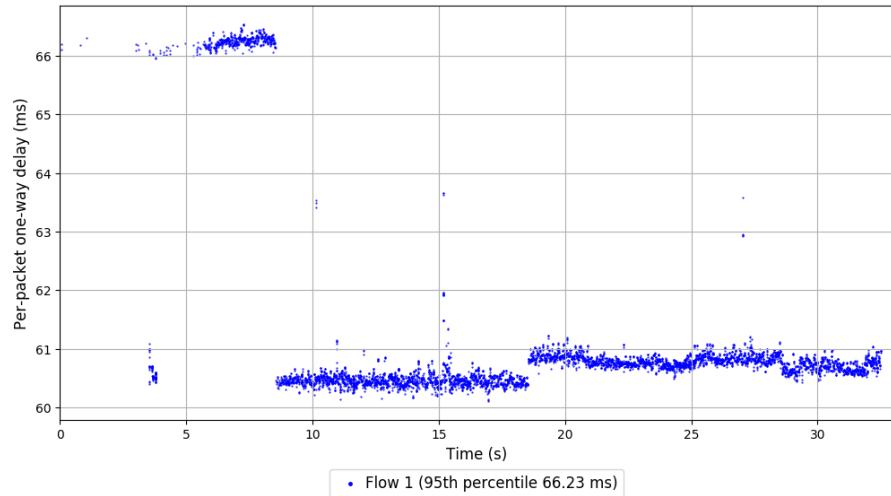
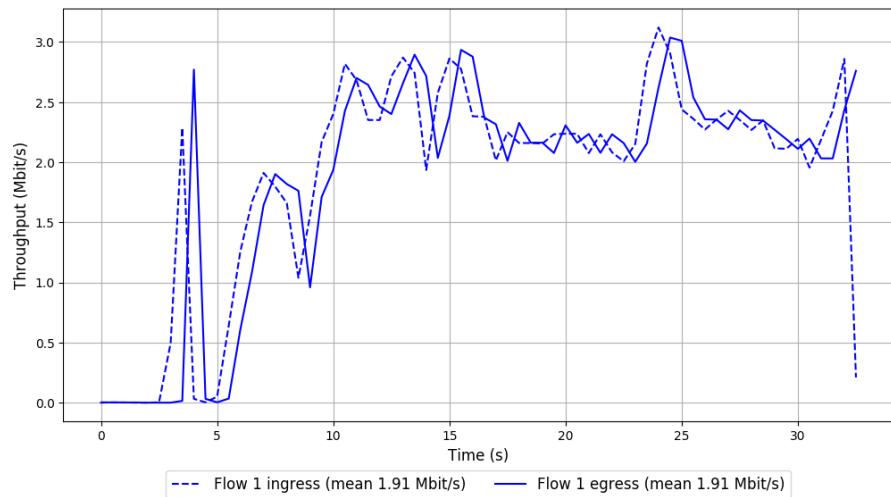


Run 5: Statistics of WebRTC media

```
Start at: 2018-08-11 16:07:49
End at: 2018-08-11 16:08:19
Local clock offset: -0.626 ms
Remote clock offset: 0.466 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 66.232 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 66.232 ms
Loss rate: 0.50%
```

Run 5: Report of WebRTC media — Data Link

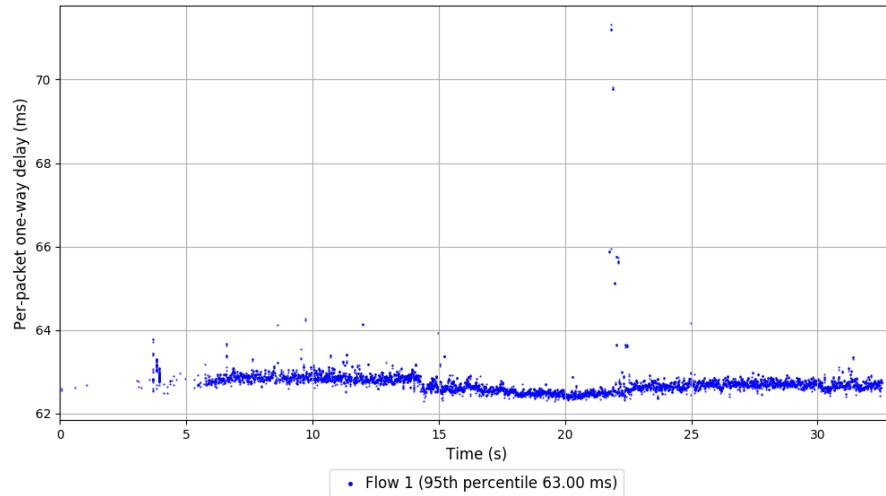
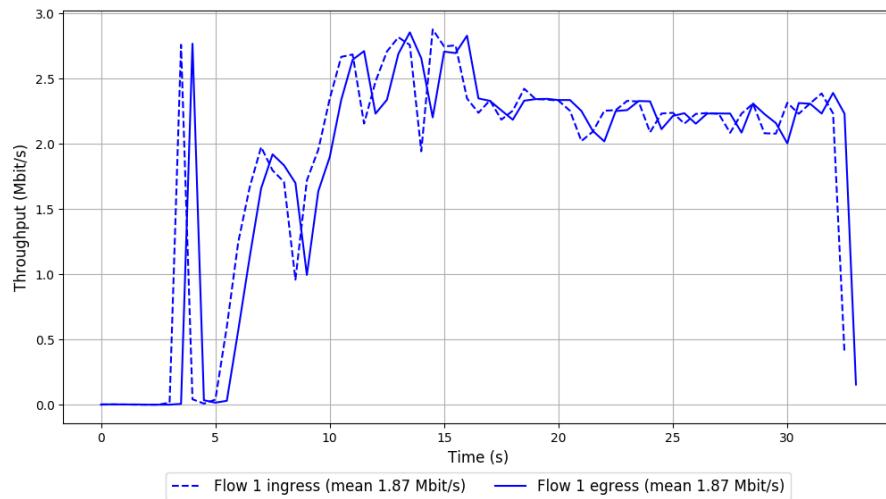


```
Run 6: Statistics of WebRTC media

Start at: 2018-08-11 16:30:03
End at: 2018-08-11 16:30:33
Local clock offset: -0.654 ms
Remote clock offset: -1.366 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 62.997 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 62.997 ms
Loss rate: 0.45%
```

Run 6: Report of WebRTC media — Data Link

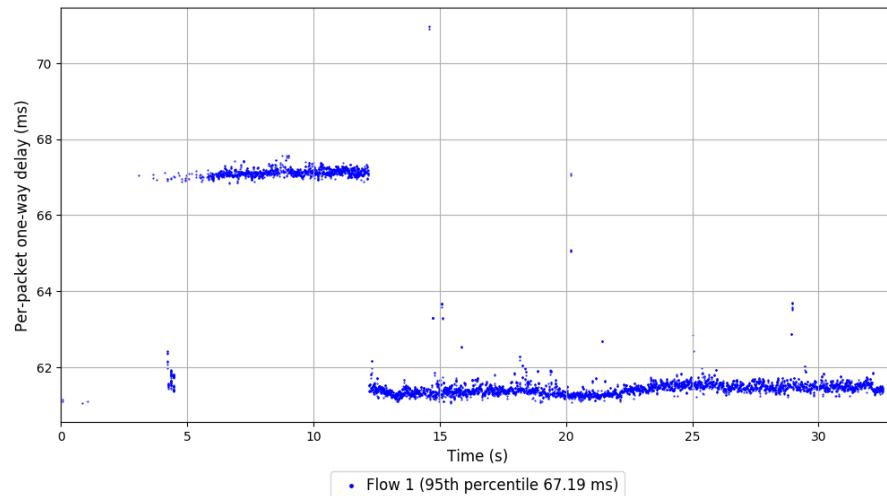
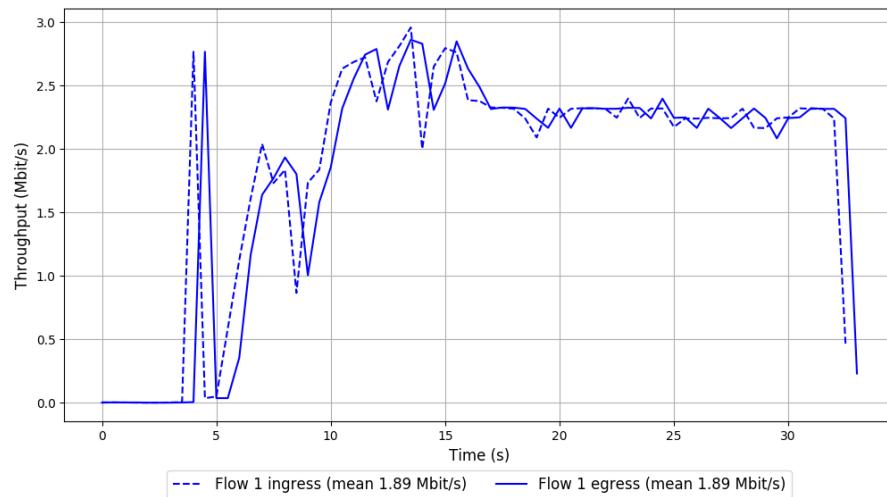


```
Run 7: Statistics of WebRTC media

Start at: 2018-08-11 16:52:55
End at: 2018-08-11 16:53:25
Local clock offset: -0.696 ms
Remote clock offset: -0.243 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 67.191 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 67.191 ms
Loss rate: 0.44%
```

Run 7: Report of WebRTC media — Data Link

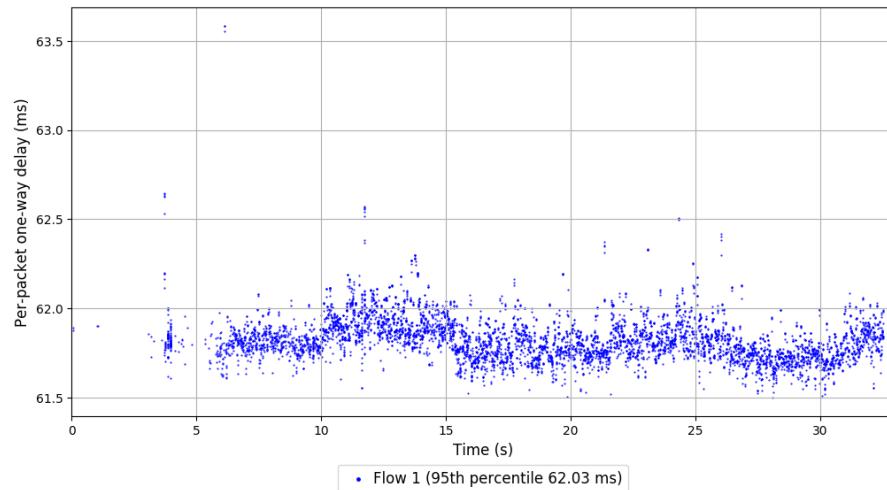
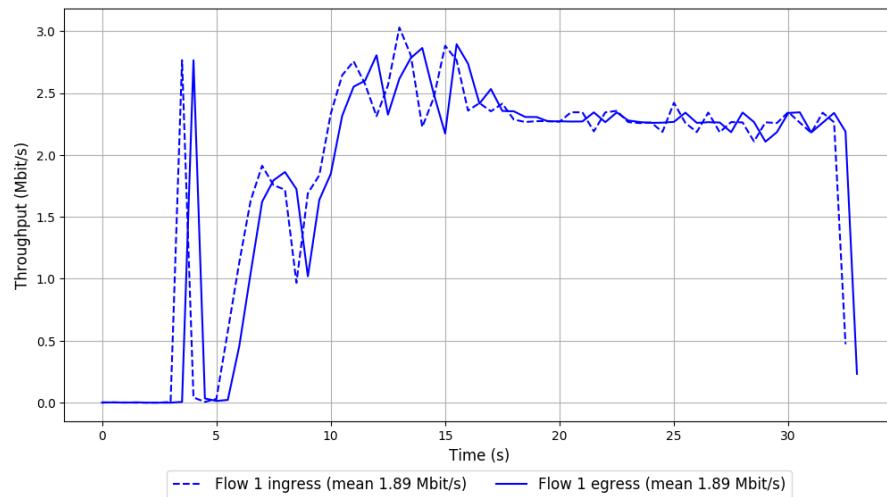


Run 8: Statistics of WebRTC media

```
Start at: 2018-08-11 17:16:02
End at: 2018-08-11 17:16:32
Local clock offset: 0.207 ms
Remote clock offset: -0.62 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 62.026 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 62.026 ms
Loss rate: 0.45%
```

Run 8: Report of WebRTC media — Data Link

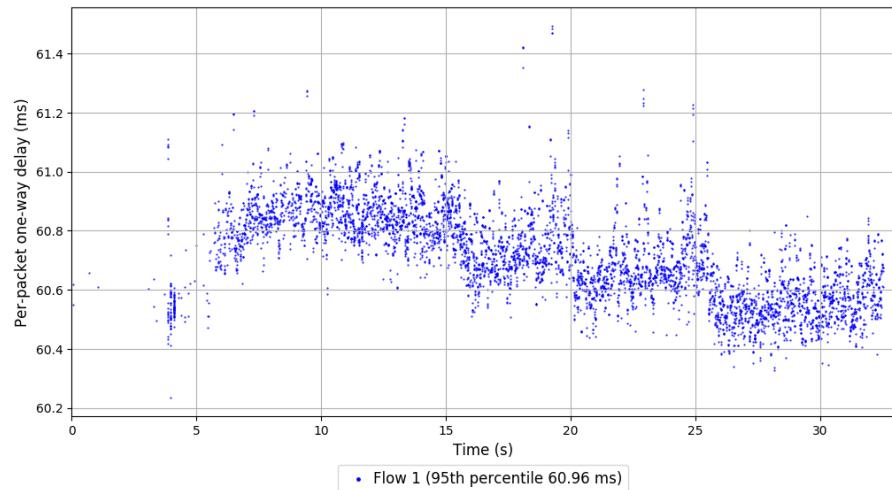
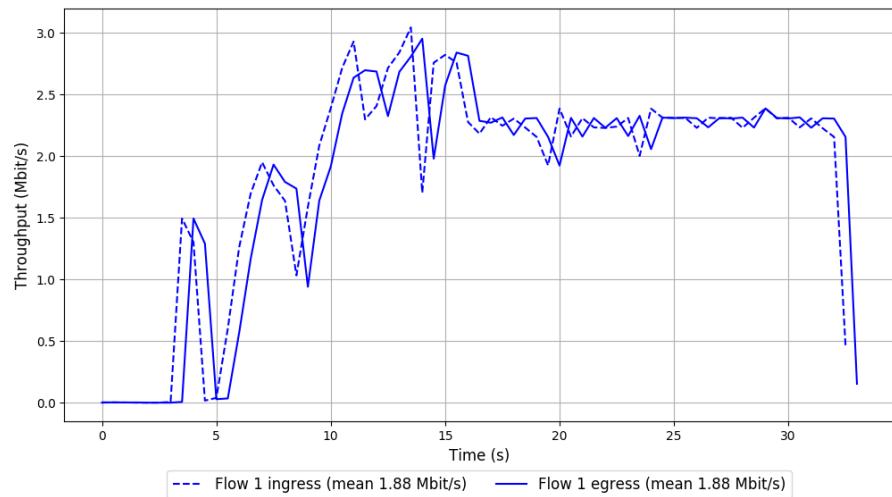


Run 9: Statistics of WebRTC media

```
Start at: 2018-08-11 17:39:02
End at: 2018-08-11 17:39:32
Local clock offset: 0.422 ms
Remote clock offset: 0.395 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 60.958 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 60.958 ms
Loss rate: 0.44%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-08-11 18:02:06
End at: 2018-08-11 18:02:36
Local clock offset: 0.697 ms
Remote clock offset: 0.536 ms

# Below is generated by plot.py at 2018-08-11 20:41:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 66.631 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 66.631 ms
Loss rate: 0.43%
```

Run 10: Report of WebRTC media — Data Link

