

Pantheon Report

Generated at 2018-05-30 14:21:07 (UTC).

Data path: AWS India 2 Ethernet (*local*) → Saudi Arabia Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

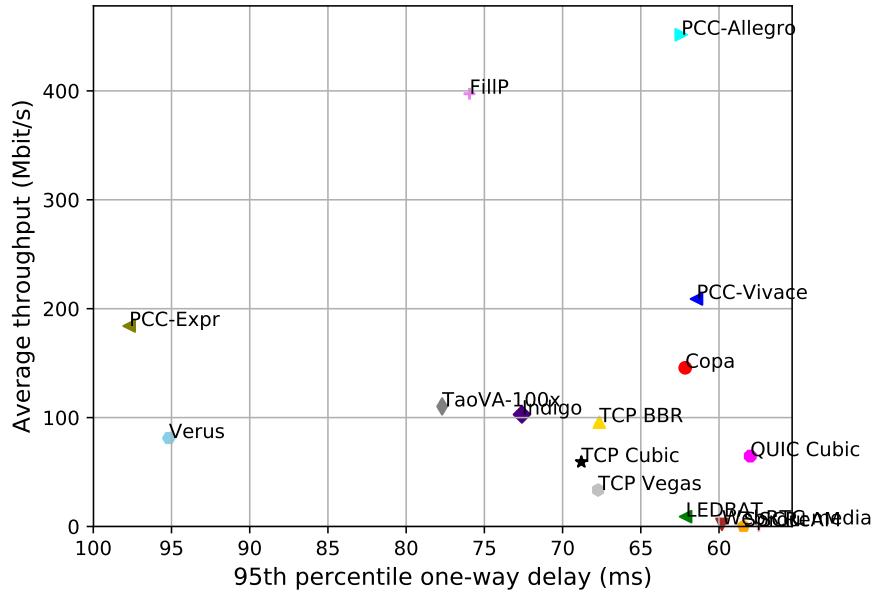
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against nets.org.sg and have been applied to correct the timestamps in logs.

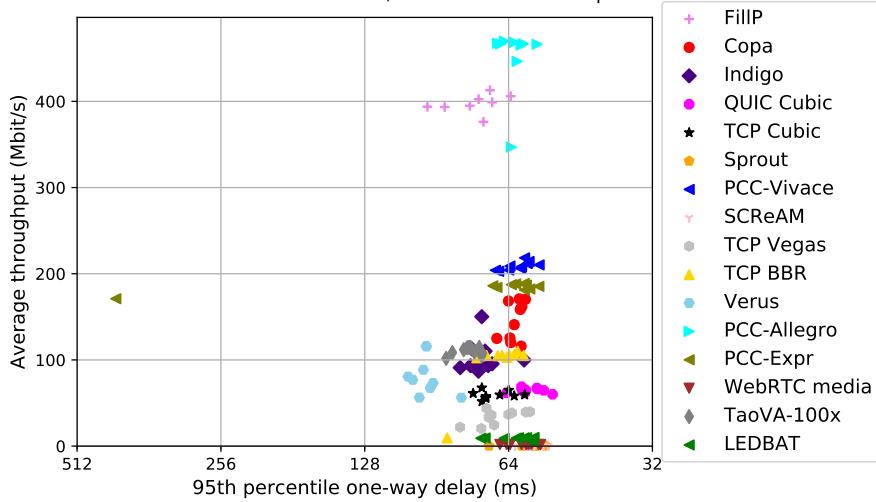
Git summary:

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

test from AWS India 2 to Saudi Arabia, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS India 2 to Saudi Arabia, 10 runs of 30s each per scheme



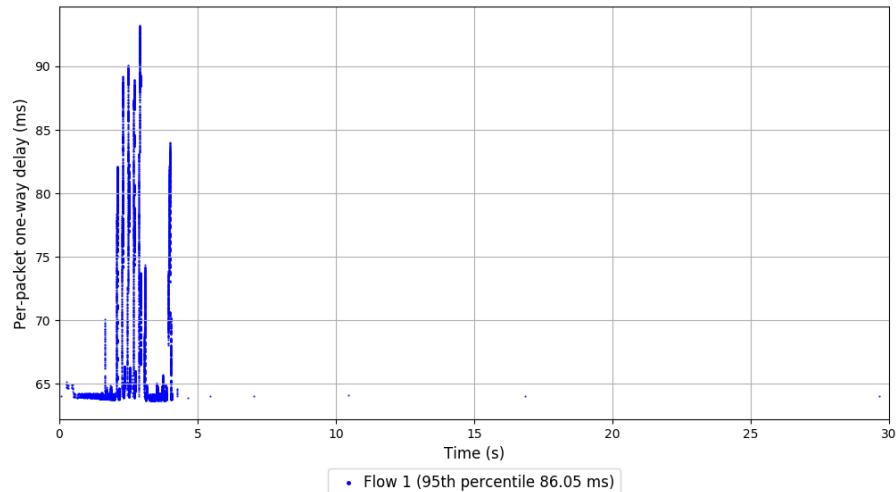
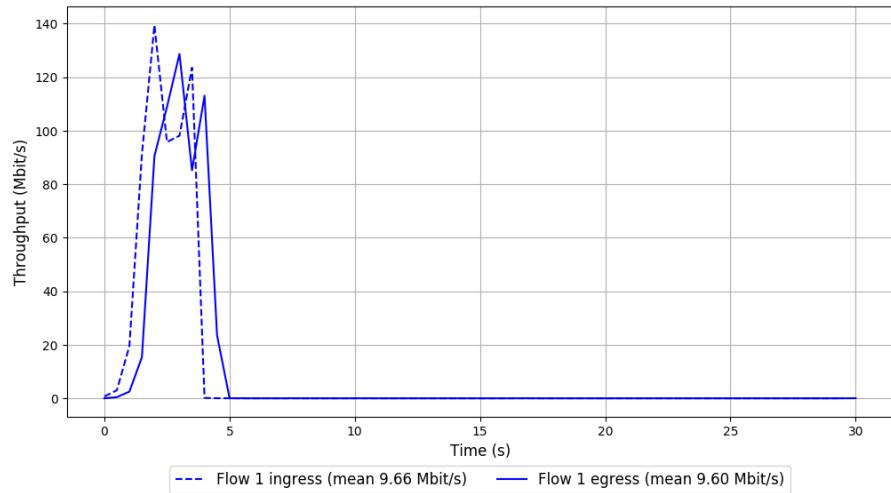
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.83	67.66	0.07
Copa	10	145.73	62.16	8.45
TCP Cubic	10	59.22	68.80	1.20
FillP	8	397.36	75.95	21.11
Indigo	10	102.84	72.60	0.51
LEDBAT	10	9.04	62.14	0.01
PCC-Allegro	9	451.55	62.41	3.93
PCC-Expr	10	184.11	97.71	3.91
QUIC Cubic	10	64.65	58.00	0.00
SCReAM	10	0.22	57.45	0.00
Sprout	10	0.29	58.43	0.00
TaoVA-100x	10	110.24	77.70	2.59
TCP Vegas	10	33.48	67.73	1.47
Verus	9	81.22	95.17	58.68
PCC-Vivace	10	208.94	61.44	0.86
WebRTC media	10	1.89	59.81	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-30 08:32:34
End at: 2018-05-30 08:33:04
Local clock offset: 0.2 ms
Remote clock offset: -31.931 ms

# Below is generated by plot.py at 2018-05-30 13:43:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 86.046 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 86.046 ms
Loss rate: 0.57%
```

Run 1: Report of TCP BBR — Data Link

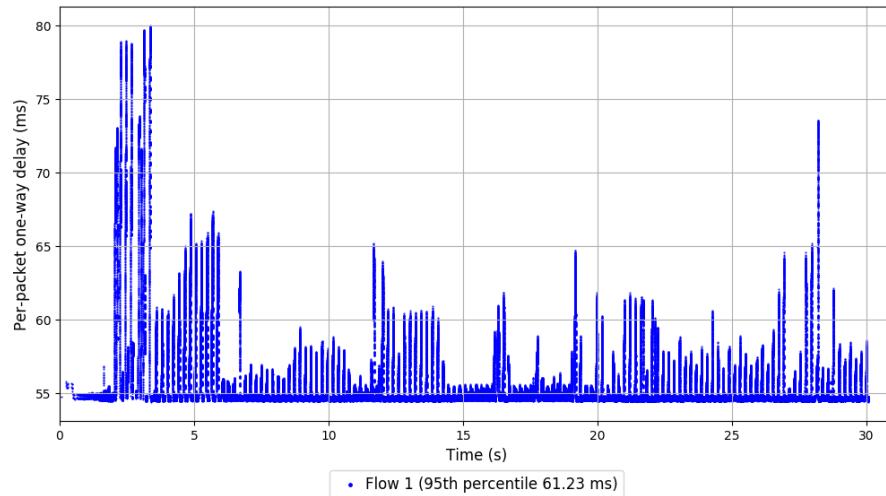
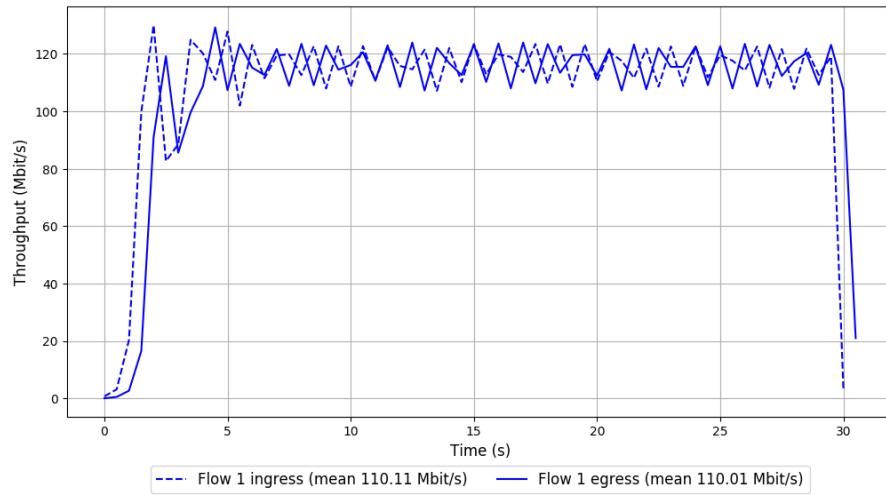


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-30 09:15:17
End at: 2018-05-30 09:15:47
Local clock offset: -1.582 ms
Remote clock offset: -41.41 ms

# Below is generated by plot.py at 2018-05-30 13:44:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.01 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 110.01 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.09%
```

Run 2: Report of TCP BBR — Data Link

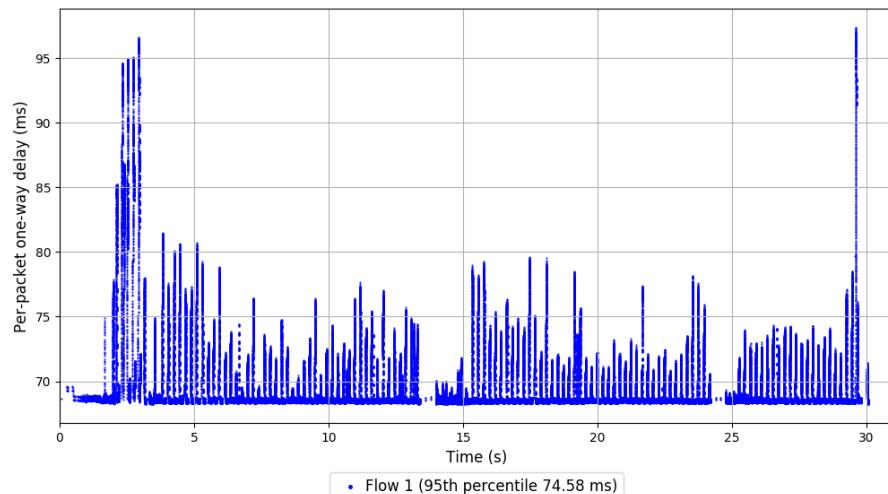
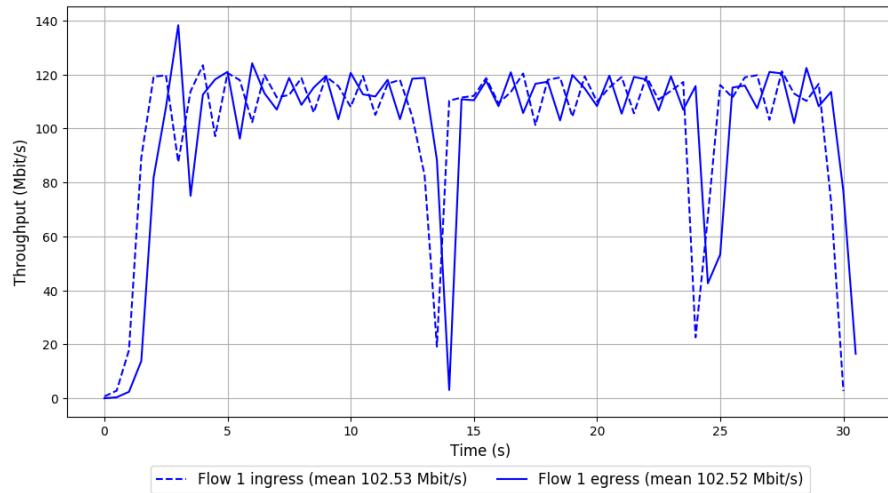


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-30 09:41:22
End at: 2018-05-30 09:41:52
Local clock offset: -0.965 ms
Remote clock offset: -28.81 ms

# Below is generated by plot.py at 2018-05-30 13:44:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.52 Mbit/s
95th percentile per-packet one-way delay: 74.584 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 102.52 Mbit/s
95th percentile per-packet one-way delay: 74.584 ms
Loss rate: 0.01%
```

Run 3: Report of TCP BBR — Data Link

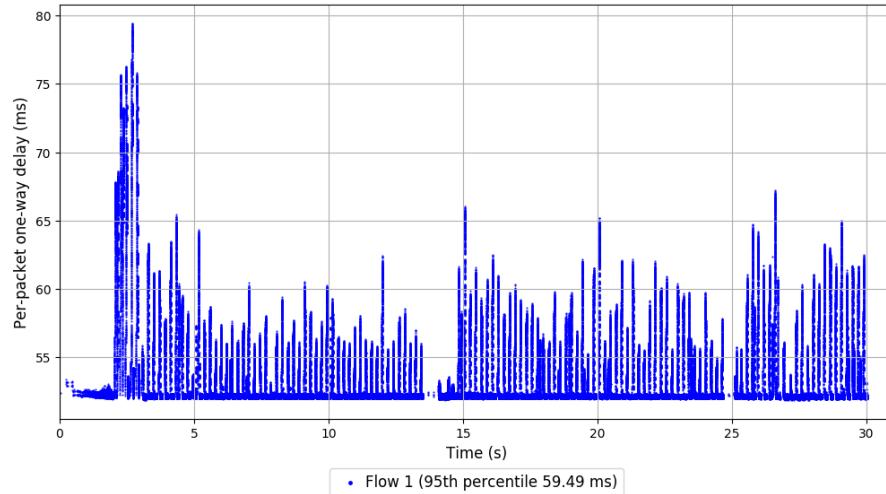
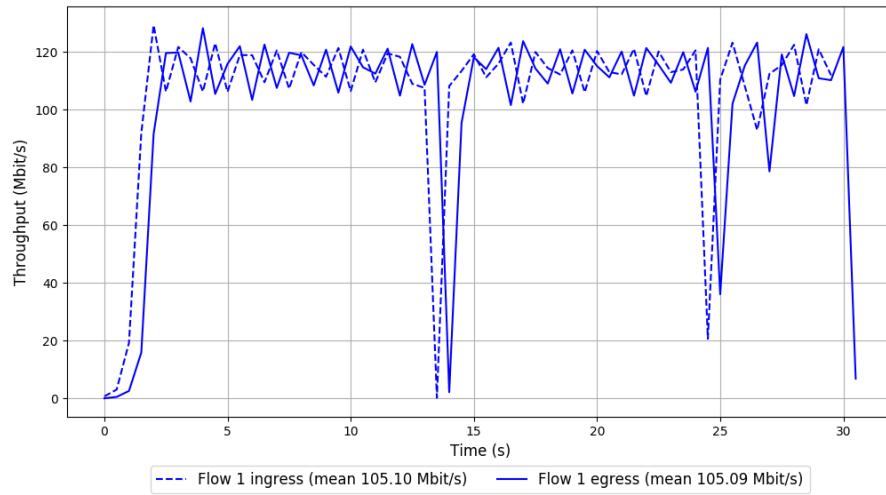


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-30 10:07:42
End at: 2018-05-30 10:08:12
Local clock offset: -1.671 ms
Remote clock offset: -41.402 ms

# Below is generated by plot.py at 2018-05-30 13:44:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.09 Mbit/s
95th percentile per-packet one-way delay: 59.488 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 105.09 Mbit/s
95th percentile per-packet one-way delay: 59.488 ms
Loss rate: 0.01%
```

Run 4: Report of TCP BBR — Data Link

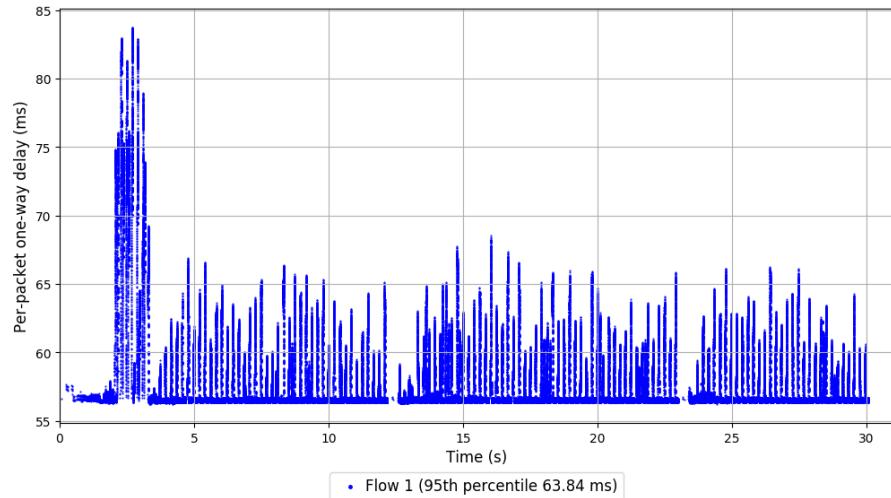
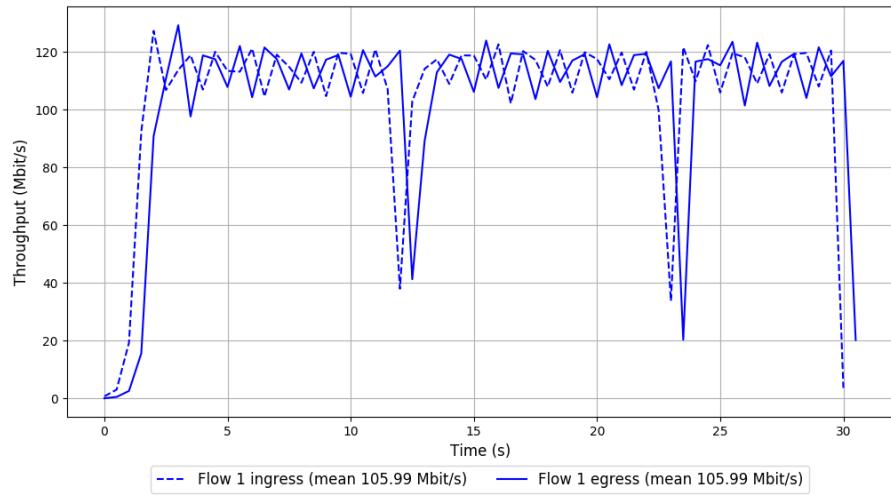


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-30 10:37:59
End at: 2018-05-30 10:38:29
Local clock offset: 0.088 ms
Remote clock offset: -35.738 ms

# Below is generated by plot.py at 2018-05-30 13:44:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.99 Mbit/s
95th percentile per-packet one-way delay: 63.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.99 Mbit/s
95th percentile per-packet one-way delay: 63.839 ms
Loss rate: 0.00%
```

Run 5: Report of TCP BBR — Data Link

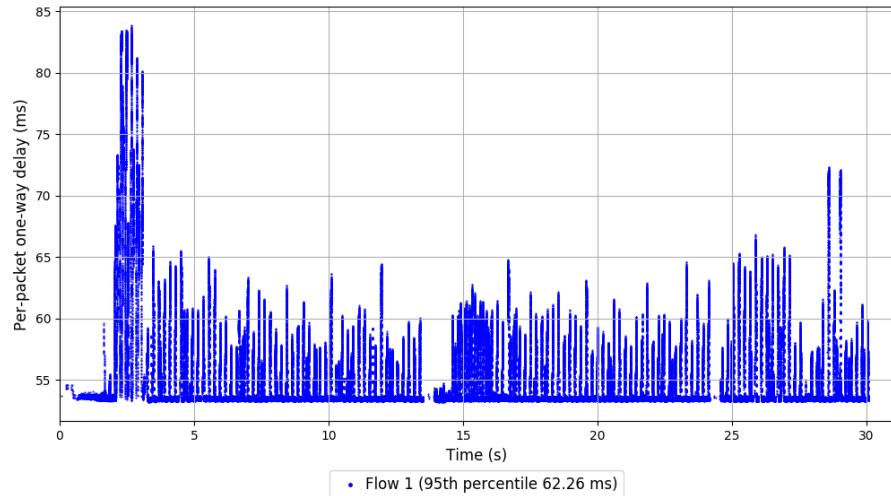
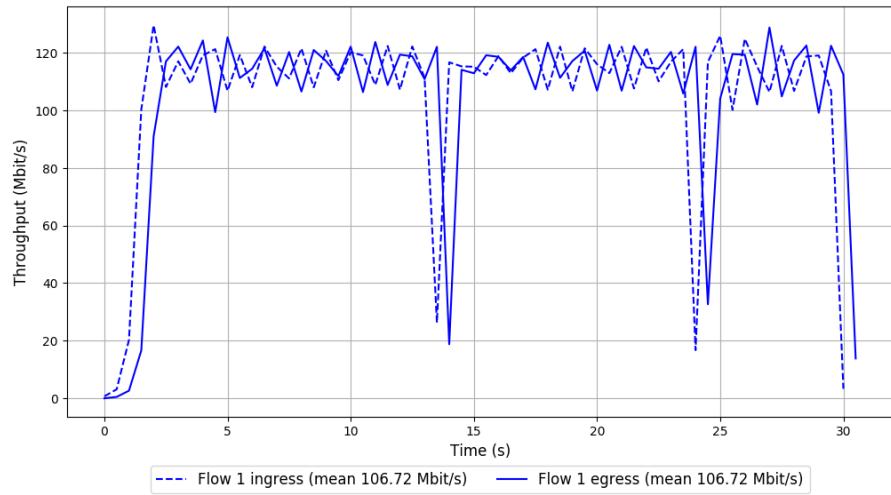


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-30 11:15:21
End at: 2018-05-30 11:15:51
Local clock offset: -0.314 ms
Remote clock offset: -37.551 ms

# Below is generated by plot.py at 2018-05-30 13:44:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.72 Mbit/s
95th percentile per-packet one-way delay: 62.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.72 Mbit/s
95th percentile per-packet one-way delay: 62.259 ms
Loss rate: 0.00%
```

Run 6: Report of TCP BBR — Data Link

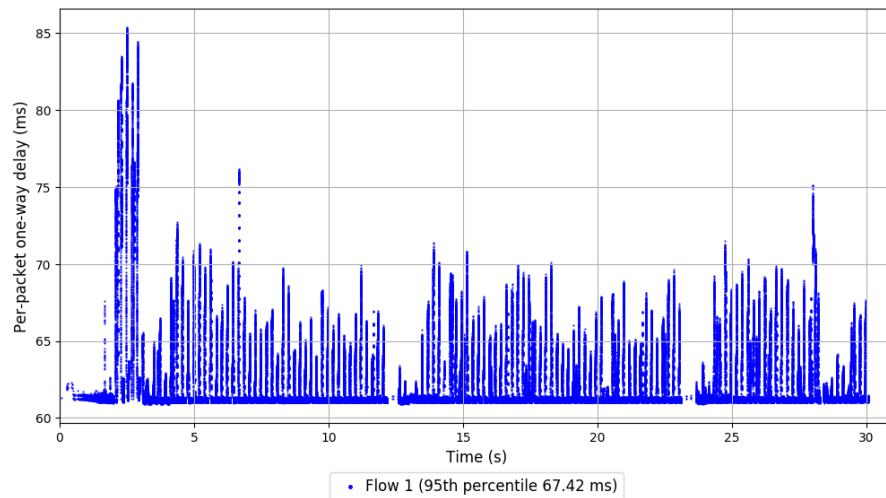
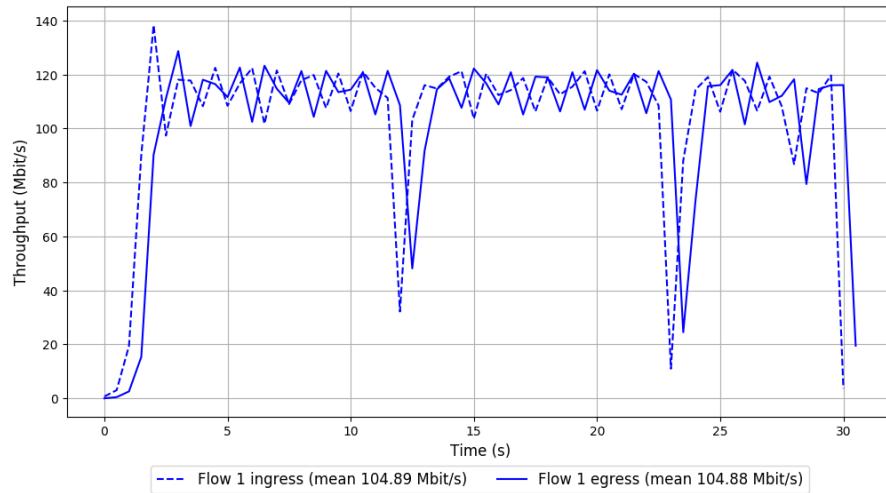


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-30 11:36:02
End at: 2018-05-30 11:36:32
Local clock offset: -1.498 ms
Remote clock offset: -33.655 ms

# Below is generated by plot.py at 2018-05-30 13:44:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.88 Mbit/s
95th percentile per-packet one-way delay: 67.424 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 104.88 Mbit/s
95th percentile per-packet one-way delay: 67.424 ms
Loss rate: 0.01%
```

Run 7: Report of TCP BBR — Data Link

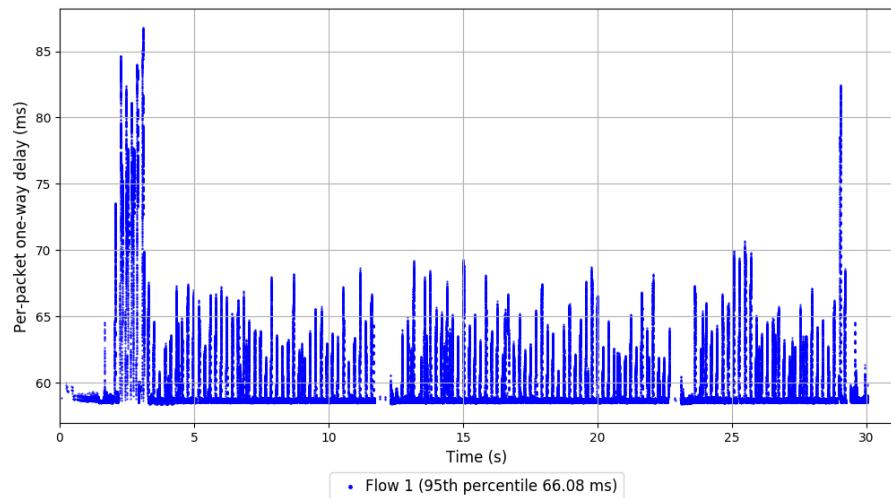
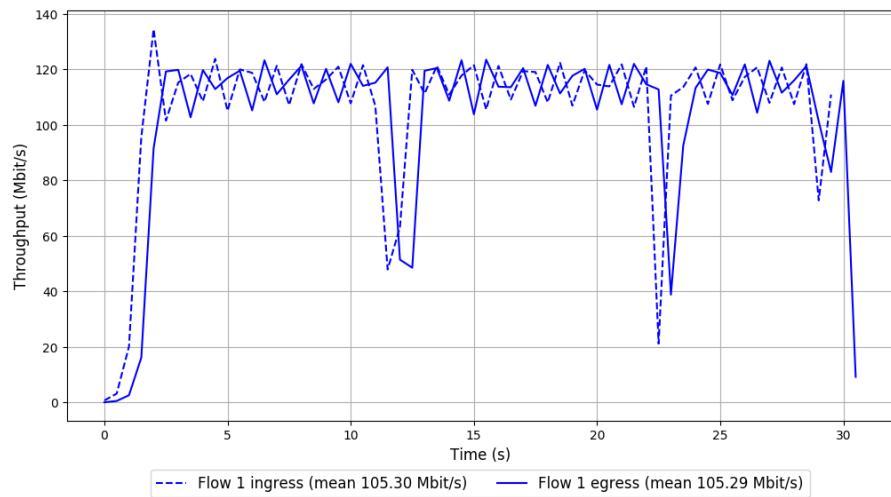


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-30 12:11:47
End at: 2018-05-30 12:12:17
Local clock offset: -0.674 ms
Remote clock offset: -34.052 ms

# Below is generated by plot.py at 2018-05-30 13:44:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.29 Mbit/s
95th percentile per-packet one-way delay: 66.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.29 Mbit/s
95th percentile per-packet one-way delay: 66.080 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link

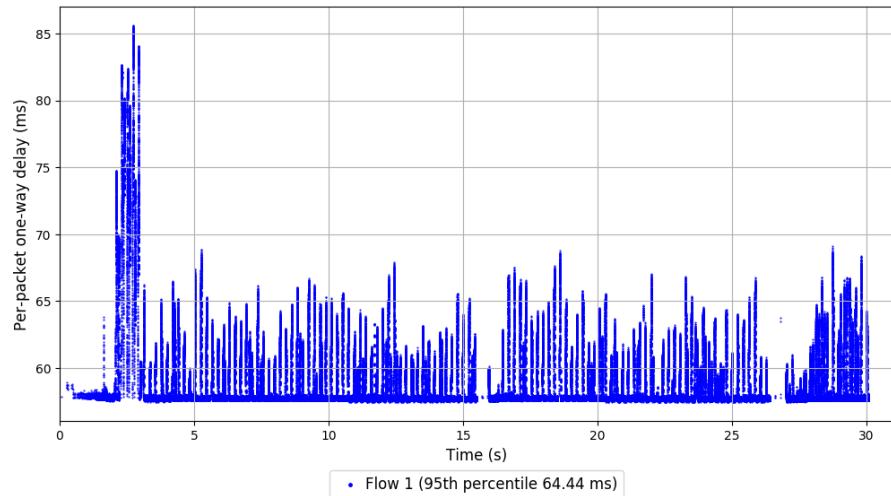
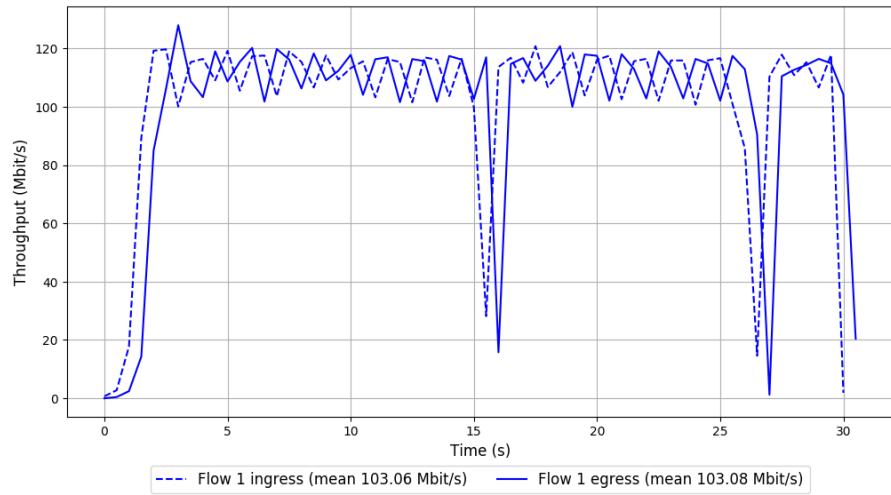


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-30 12:58:37
End at: 2018-05-30 12:59:07
Local clock offset: 0.334 ms
Remote clock offset: -37.322 ms

# Below is generated by plot.py at 2018-05-30 13:44:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.08 Mbit/s
95th percentile per-packet one-way delay: 64.444 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 103.08 Mbit/s
95th percentile per-packet one-way delay: 64.444 ms
Loss rate: 0.01%
```

Run 9: Report of TCP BBR — Data Link

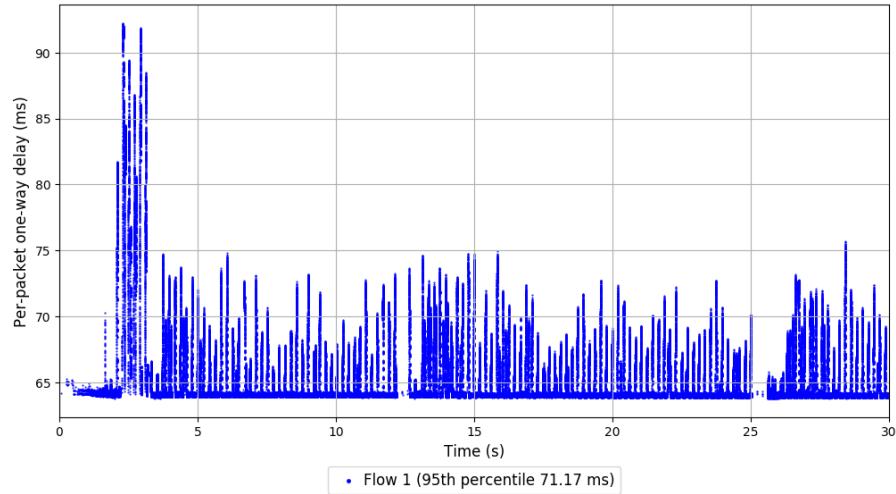
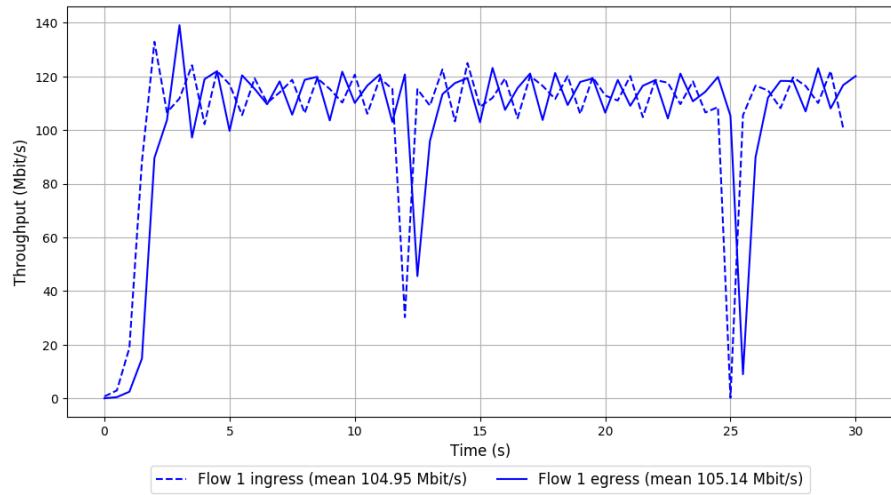


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-30 13:24:48
End at: 2018-05-30 13:25:18
Local clock offset: -0.897 ms
Remote clock offset: -30.456 ms

# Below is generated by plot.py at 2018-05-30 13:45:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.14 Mbit/s
95th percentile per-packet one-way delay: 71.170 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 105.14 Mbit/s
95th percentile per-packet one-way delay: 71.170 ms
Loss rate: 0.01%
```

Run 10: Report of TCP BBR — Data Link

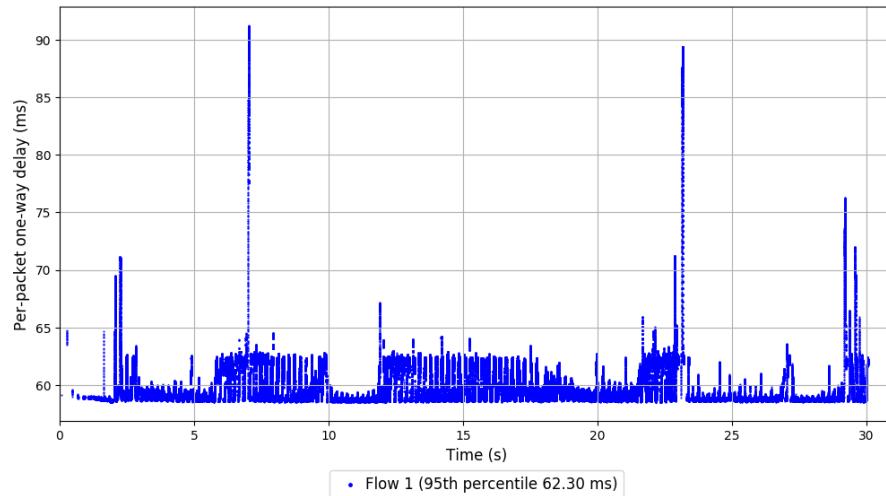
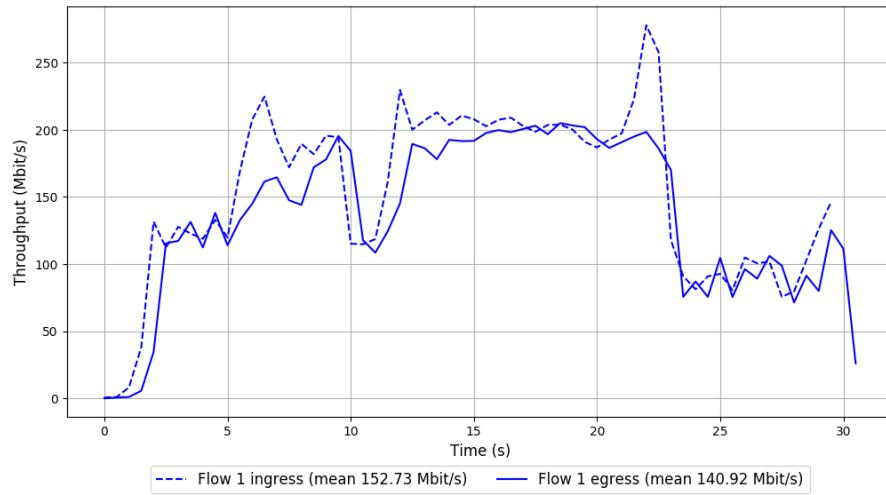


Run 1: Statistics of Copa

```
Start at: 2018-05-30 09:01:44
End at: 2018-05-30 09:02:14
Local clock offset: -0.039 ms
Remote clock offset: -36.403 ms

# Below is generated by plot.py at 2018-05-30 13:47:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.92 Mbit/s
95th percentile per-packet one-way delay: 62.296 ms
Loss rate: 7.73%
-- Flow 1:
Average throughput: 140.92 Mbit/s
95th percentile per-packet one-way delay: 62.296 ms
Loss rate: 7.73%
```

Run 1: Report of Copa — Data Link

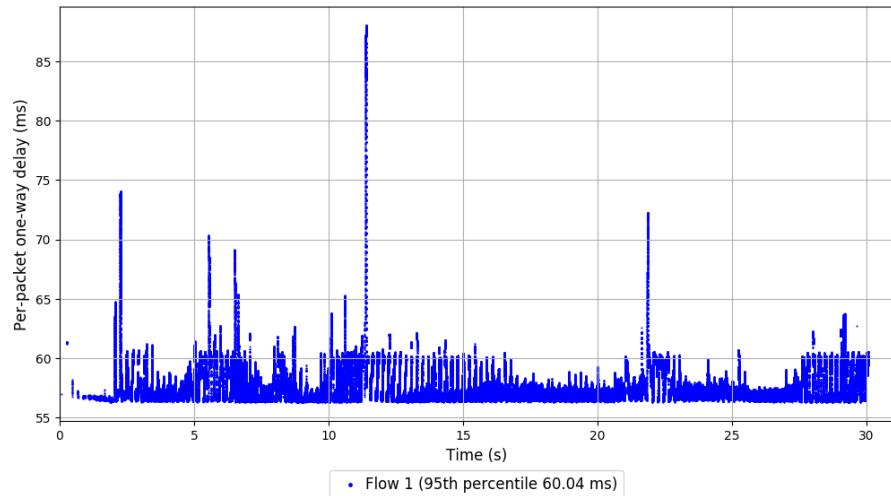
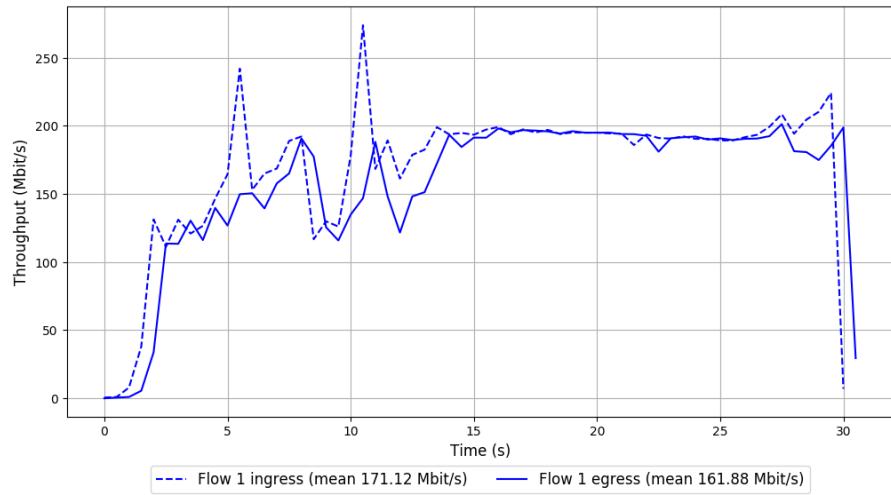


Run 2: Statistics of Copa

```
Start at: 2018-05-30 09:27:55
End at: 2018-05-30 09:28:25
Local clock offset: 0.45 ms
Remote clock offset: -39.583 ms

# Below is generated by plot.py at 2018-05-30 13:48:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.88 Mbit/s
95th percentile per-packet one-way delay: 60.037 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 161.88 Mbit/s
95th percentile per-packet one-way delay: 60.037 ms
Loss rate: 5.39%
```

Run 2: Report of Copa — Data Link

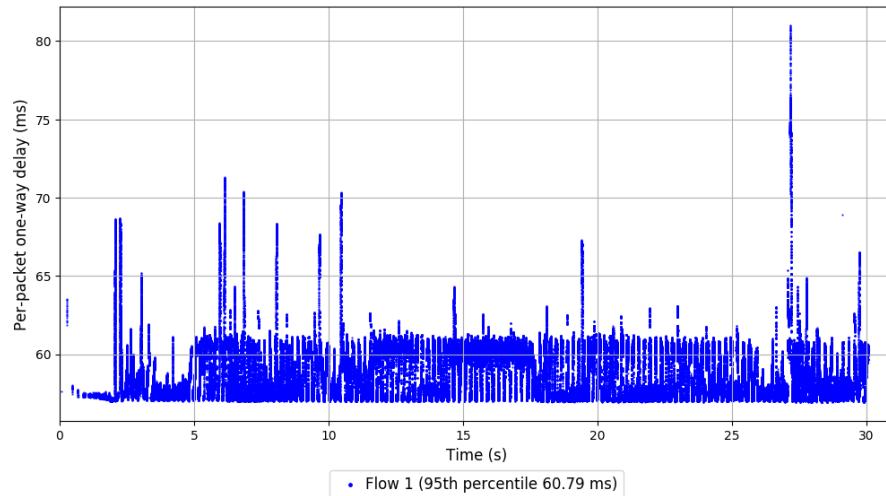
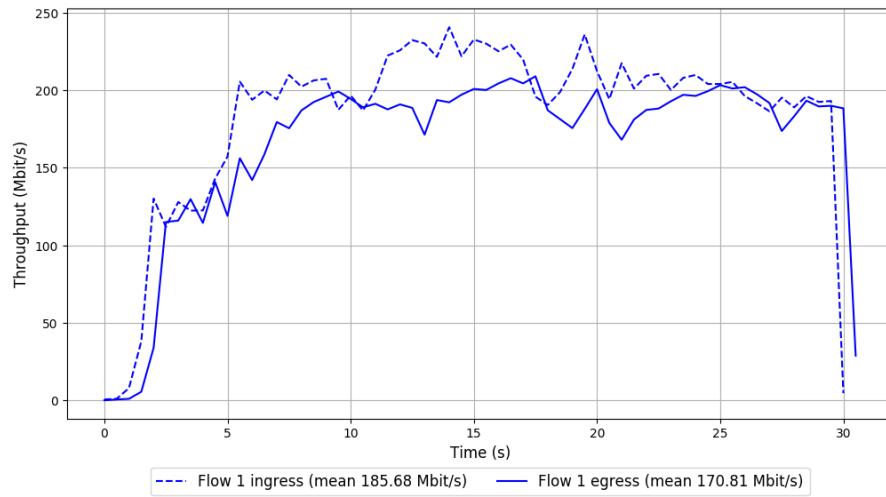


Run 3: Statistics of Copa

```
Start at: 2018-05-30 09:54:07
End at: 2018-05-30 09:54:37
Local clock offset: 0.561 ms
Remote clock offset: -37.443 ms

# Below is generated by plot.py at 2018-05-30 13:48:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.81 Mbit/s
95th percentile per-packet one-way delay: 60.787 ms
Loss rate: 8.01%
-- Flow 1:
Average throughput: 170.81 Mbit/s
95th percentile per-packet one-way delay: 60.787 ms
Loss rate: 8.01%
```

Run 3: Report of Copa — Data Link

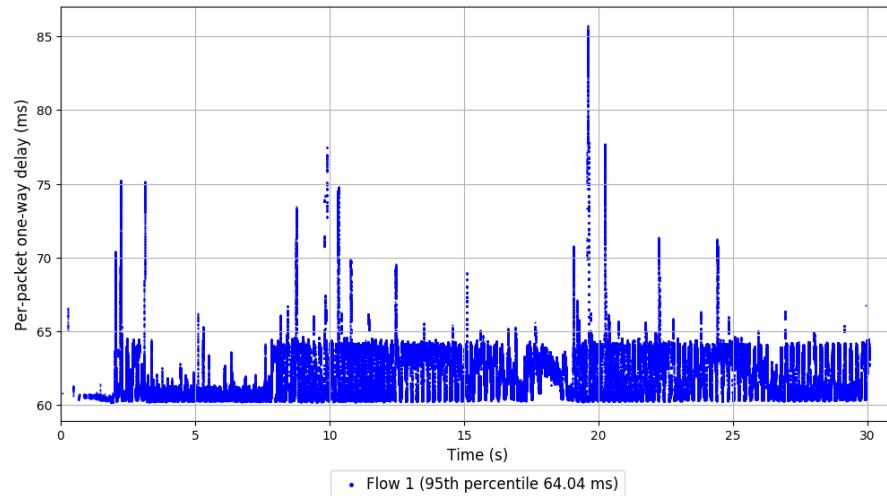
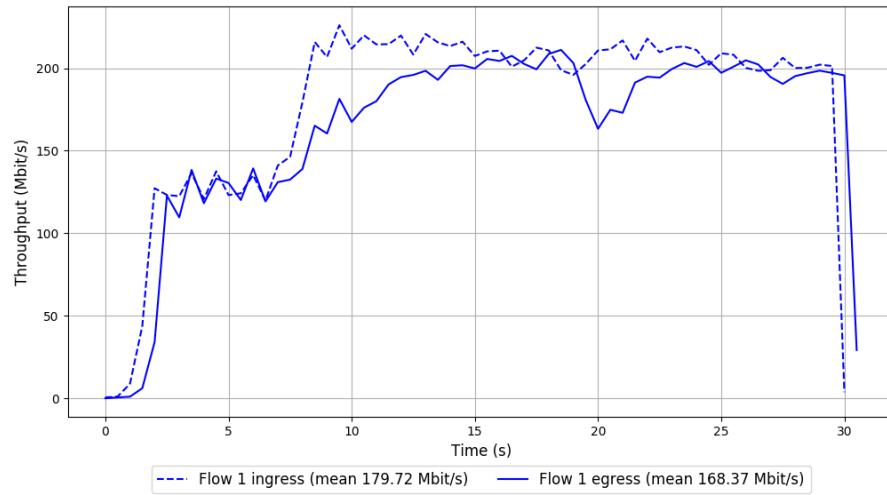


Run 4: Statistics of Copa

```
Start at: 2018-05-30 10:20:23
End at: 2018-05-30 10:20:53
Local clock offset: -1.36 ms
Remote clock offset: -32.464 ms

# Below is generated by plot.py at 2018-05-30 13:48:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.37 Mbit/s
95th percentile per-packet one-way delay: 64.043 ms
Loss rate: 6.31%
-- Flow 1:
Average throughput: 168.37 Mbit/s
95th percentile per-packet one-way delay: 64.043 ms
Loss rate: 6.31%
```

Run 4: Report of Copa — Data Link

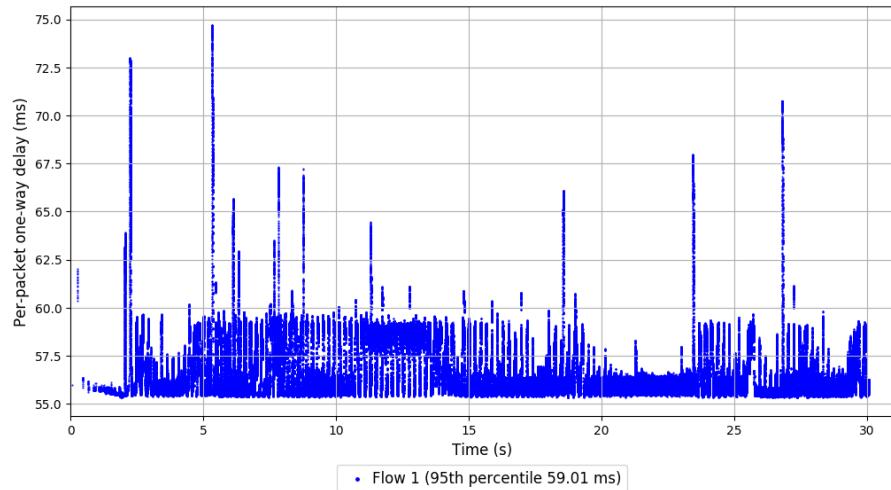
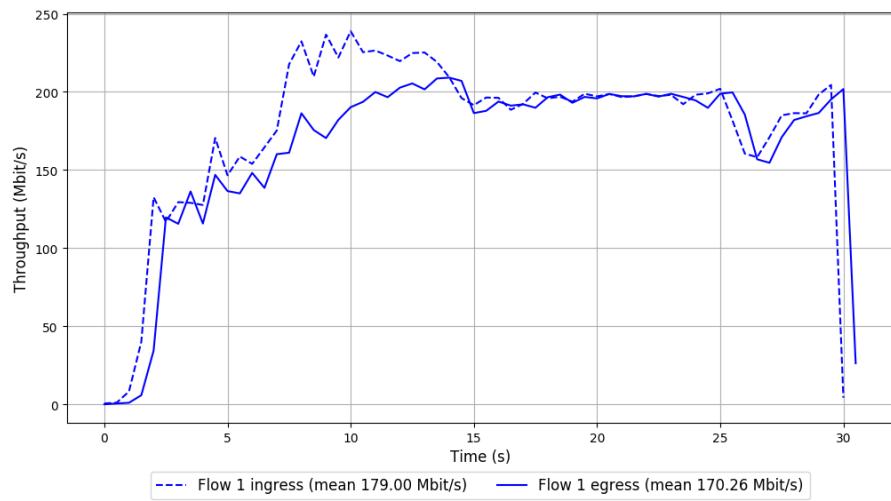


Run 5: Statistics of Copa

```
Start at: 2018-05-30 11:01:47
End at: 2018-05-30 11:02:17
Local clock offset: -1.001 ms
Remote clock offset: -36.511 ms

# Below is generated by plot.py at 2018-05-30 13:48:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.26 Mbit/s
95th percentile per-packet one-way delay: 59.008 ms
Loss rate: 4.89%
-- Flow 1:
Average throughput: 170.26 Mbit/s
95th percentile per-packet one-way delay: 59.008 ms
Loss rate: 4.89%
```

Run 5: Report of Copa — Data Link

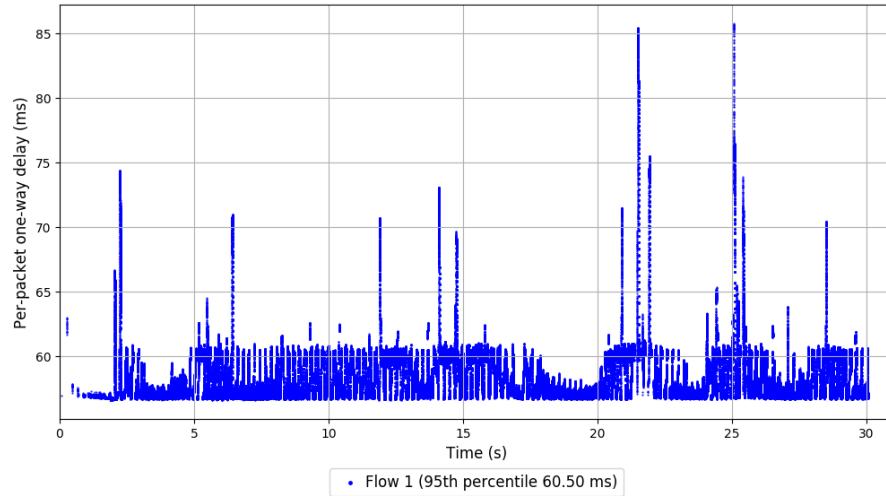
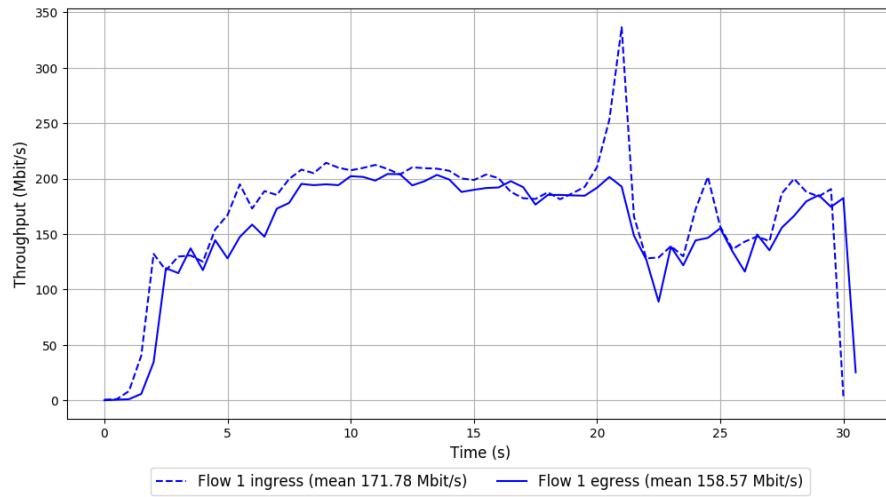


Run 6: Statistics of Copa

```
Start at: 2018-05-30 11:28:05
End at: 2018-05-30 11:28:35
Local clock offset: 0.382 ms
Remote clock offset: -35.133 ms

# Below is generated by plot.py at 2018-05-30 13:48:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.57 Mbit/s
95th percentile per-packet one-way delay: 60.498 ms
Loss rate: 7.69%
-- Flow 1:
Average throughput: 158.57 Mbit/s
95th percentile per-packet one-way delay: 60.498 ms
Loss rate: 7.69%
```

Run 6: Report of Copa — Data Link

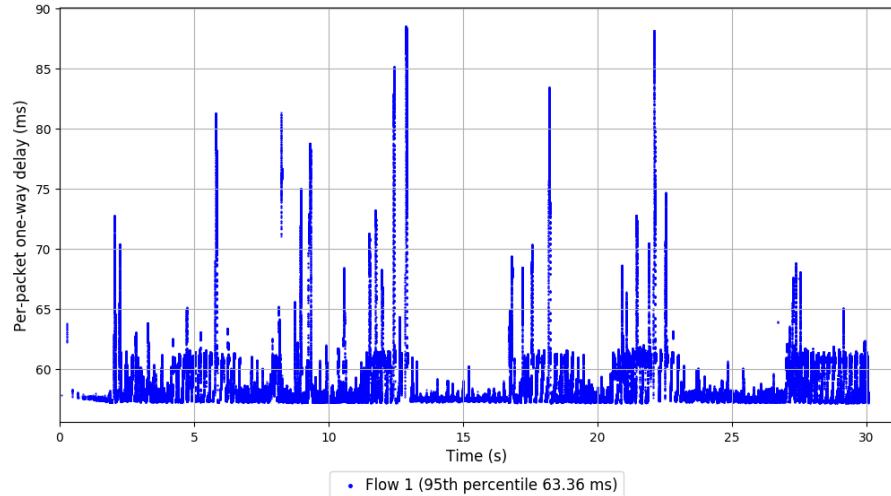
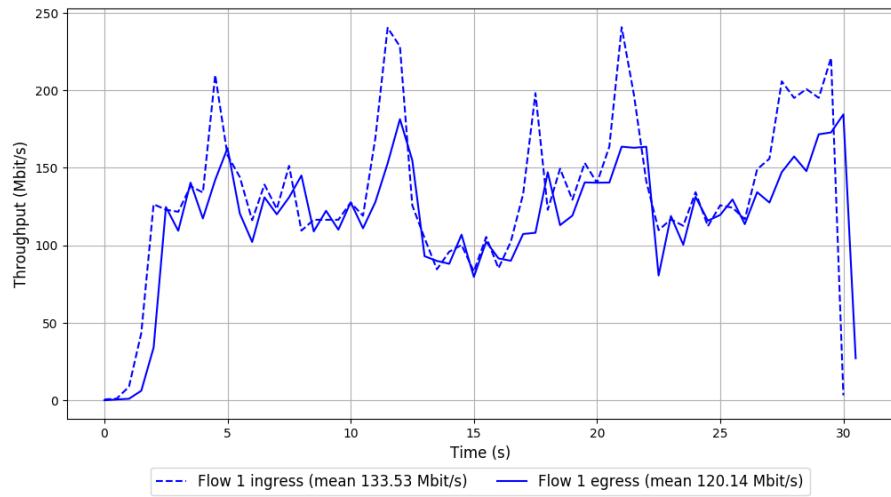


Run 7: Statistics of Copa

```
Start at: 2018-05-30 11:58:20
End at: 2018-05-30 11:58:51
Local clock offset: 2.792 ms
Remote clock offset: -32.38 ms

# Below is generated by plot.py at 2018-05-30 13:48:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.14 Mbit/s
95th percentile per-packet one-way delay: 63.357 ms
Loss rate: 10.03%
-- Flow 1:
Average throughput: 120.14 Mbit/s
95th percentile per-packet one-way delay: 63.357 ms
Loss rate: 10.03%
```

Run 7: Report of Copa — Data Link

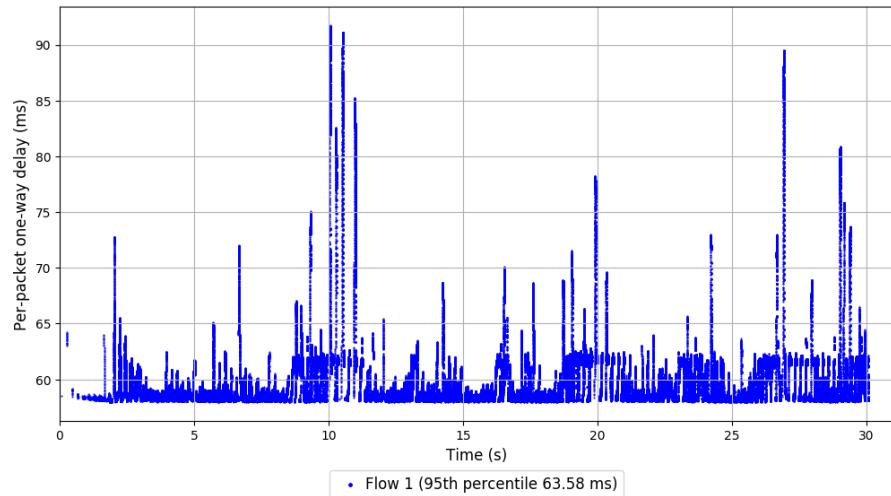
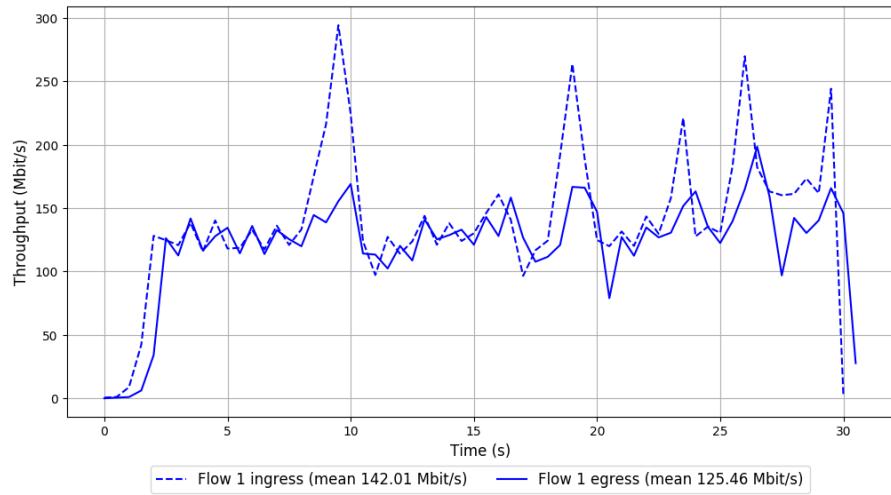


Run 8: Statistics of Copa

```
Start at: 2018-05-30 12:39:32
End at: 2018-05-30 12:40:02
Local clock offset: -1.859 ms
Remote clock offset: -36.634 ms

# Below is generated by plot.py at 2018-05-30 13:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 125.46 Mbit/s
95th percentile per-packet one-way delay: 63.582 ms
Loss rate: 11.66%
-- Flow 1:
Average throughput: 125.46 Mbit/s
95th percentile per-packet one-way delay: 63.582 ms
Loss rate: 11.66%
```

Run 8: Report of Copa — Data Link

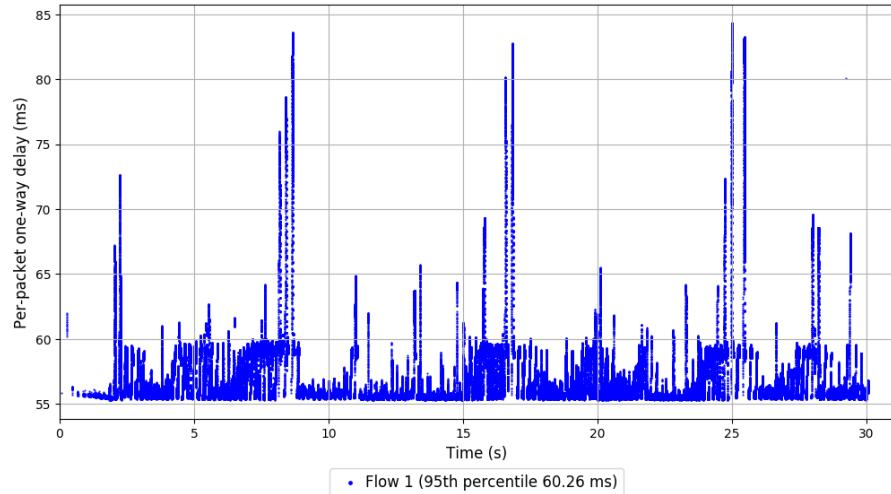
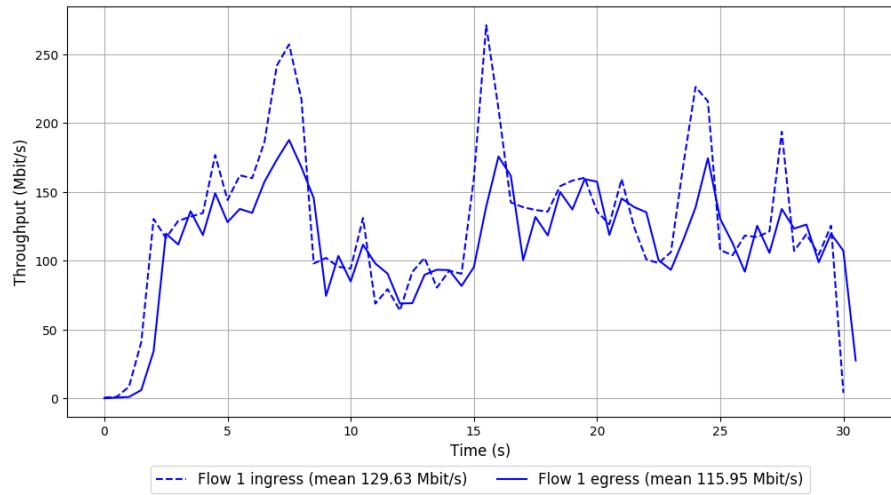


Run 9: Statistics of Copa

```
Start at: 2018-05-30 13:11:23
End at: 2018-05-30 13:11:53
Local clock offset: 1.132 ms
Remote clock offset: -35.777 ms

# Below is generated by plot.py at 2018-05-30 13:50:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 115.95 Mbit/s
95th percentile per-packet one-way delay: 60.255 ms
Loss rate: 10.55%
-- Flow 1:
Average throughput: 115.95 Mbit/s
95th percentile per-packet one-way delay: 60.255 ms
Loss rate: 10.55%
```

Run 9: Report of Copa — Data Link

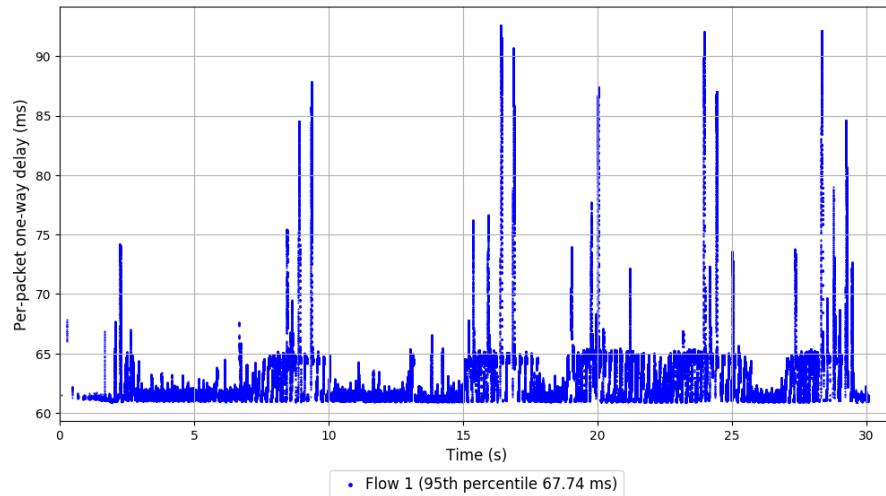
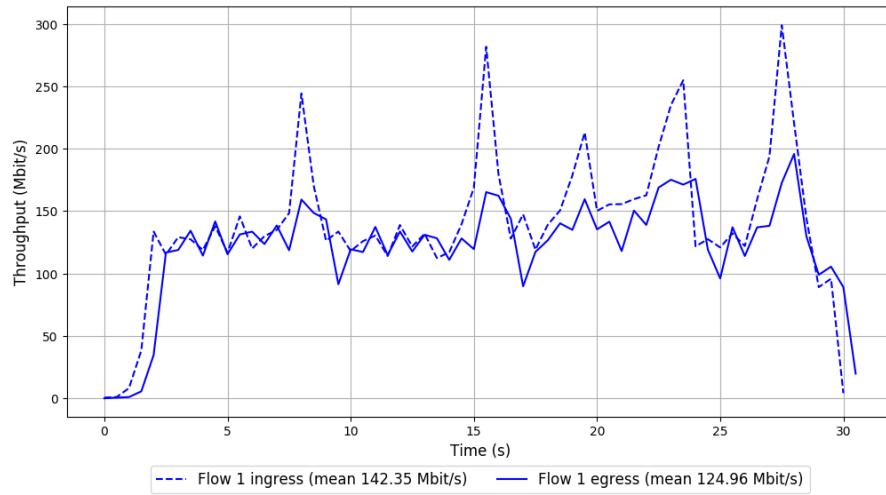


Run 10: Statistics of Copa

```
Start at: 2018-05-30 13:37:29
End at: 2018-05-30 13:37:59
Local clock offset: -1.478 ms
Remote clock offset: -30.577 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.96 Mbit/s
95th percentile per-packet one-way delay: 67.741 ms
Loss rate: 12.22%
-- Flow 1:
Average throughput: 124.96 Mbit/s
95th percentile per-packet one-way delay: 67.741 ms
Loss rate: 12.22%
```

Run 10: Report of Copa — Data Link

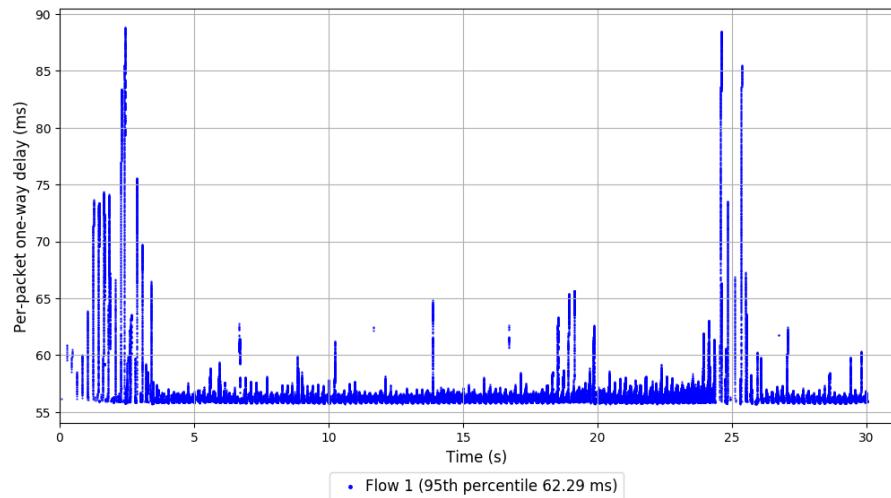
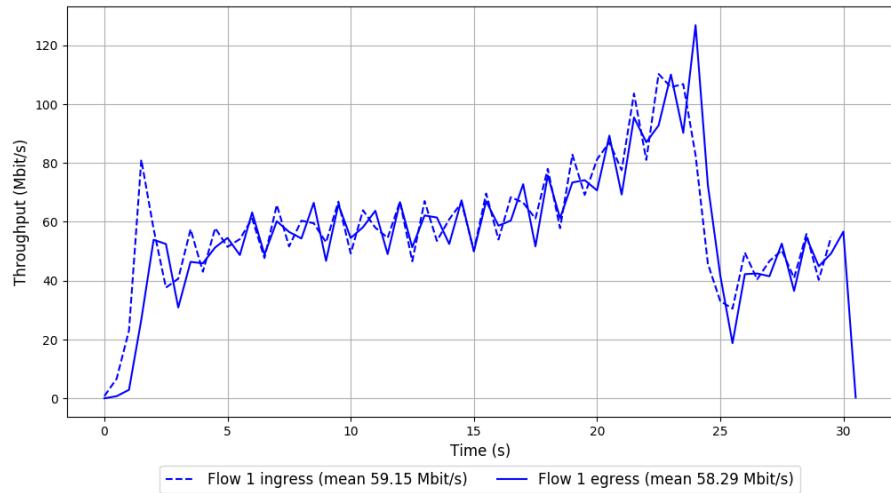


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-30 08:59:21
End at: 2018-05-30 08:59:51
Local clock offset: -0.575 ms
Remote clock offset: -39.703 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 62.290 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 62.290 ms
Loss rate: 1.46%
```

Run 1: Report of TCP Cubic — Data Link

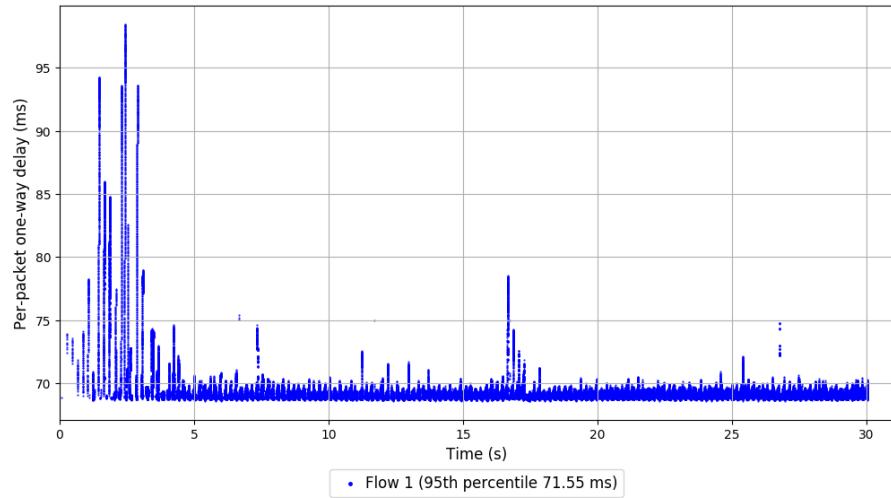
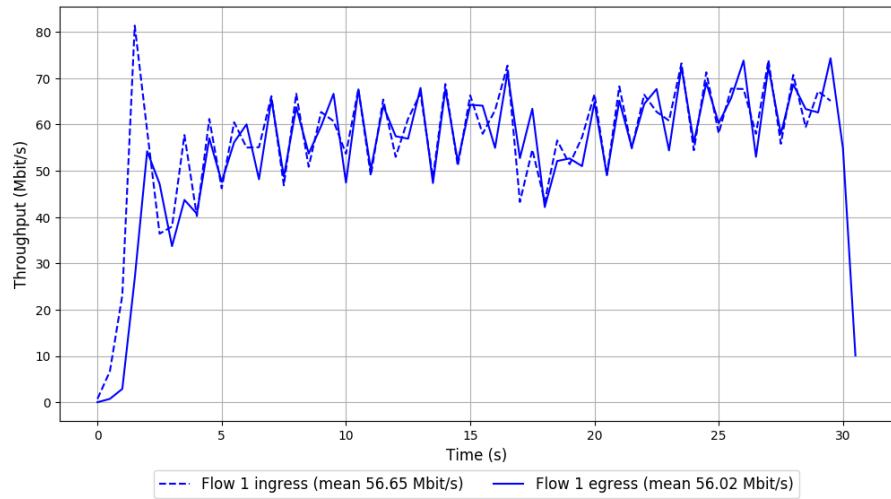


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-30 09:25:34
End at: 2018-05-30 09:26:04
Local clock offset: -1.052 ms
Remote clock offset: -28.935 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.02 Mbit/s
95th percentile per-packet one-way delay: 71.550 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 56.02 Mbit/s
95th percentile per-packet one-way delay: 71.550 ms
Loss rate: 1.12%
```

Run 2: Report of TCP Cubic — Data Link

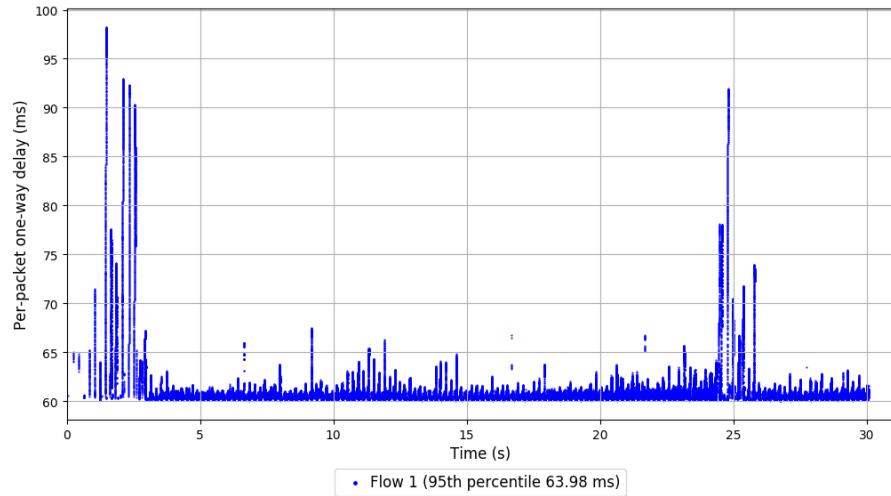
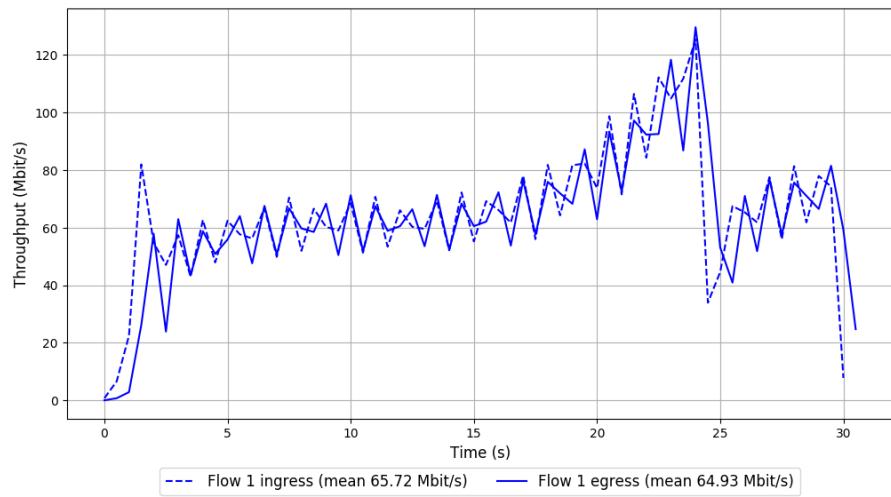


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-30 09:51:45
End at: 2018-05-30 09:52:15
Local clock offset: -1.621 ms
Remote clock offset: -37.208 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.93 Mbit/s
95th percentile per-packet one-way delay: 63.979 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 64.93 Mbit/s
95th percentile per-packet one-way delay: 63.979 ms
Loss rate: 1.20%
```

Run 3: Report of TCP Cubic — Data Link

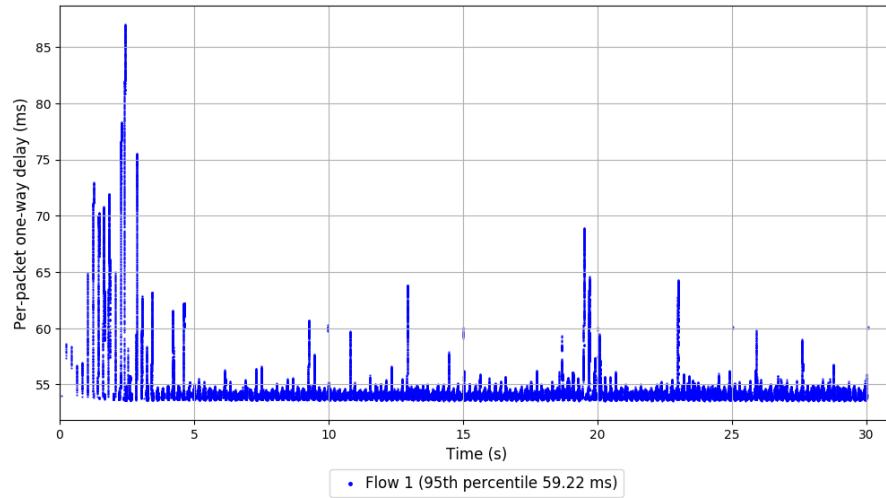
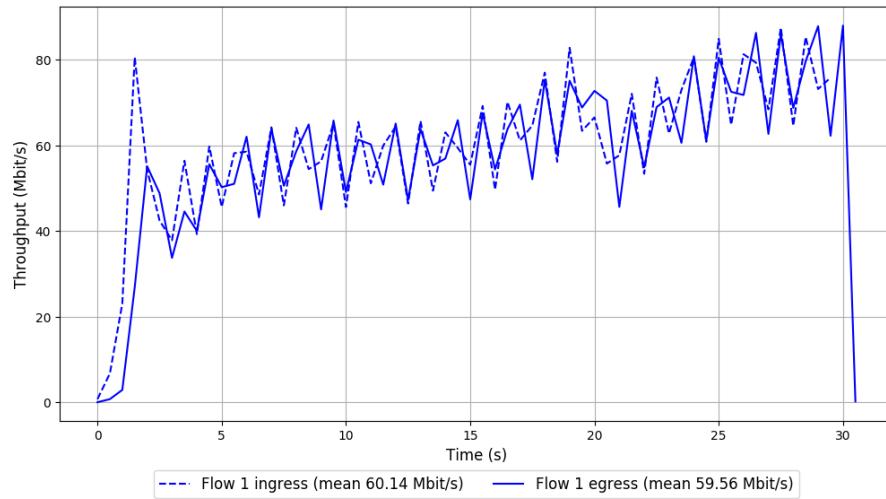


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-30 10:18:01
End at: 2018-05-30 10:18:31
Local clock offset: -0.909 ms
Remote clock offset: -38.291 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 59.217 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 59.217 ms
Loss rate: 0.93%
```

Run 4: Report of TCP Cubic — Data Link

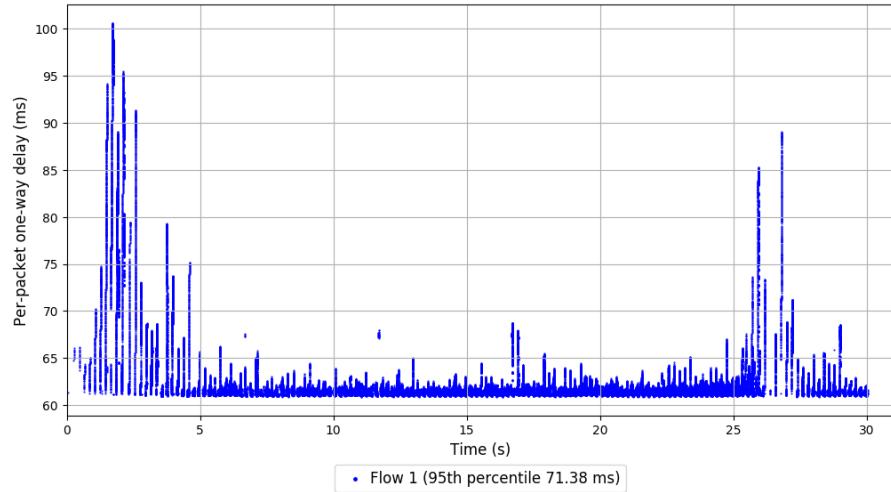
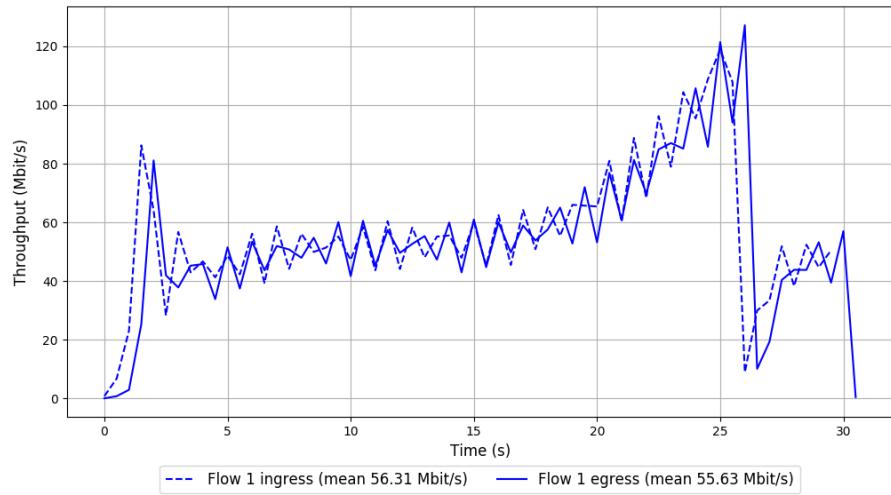


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-30 10:59:25
End at: 2018-05-30 10:59:55
Local clock offset: -1.244 ms
Remote clock offset: -34.269 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: 71.376 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 55.63 Mbit/s
95th percentile per-packet one-way delay: 71.376 ms
Loss rate: 1.21%
```

Run 5: Report of TCP Cubic — Data Link

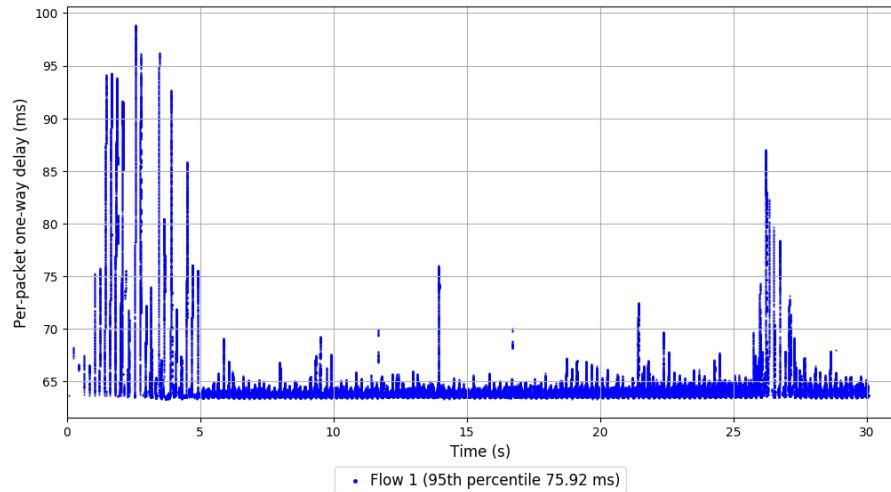
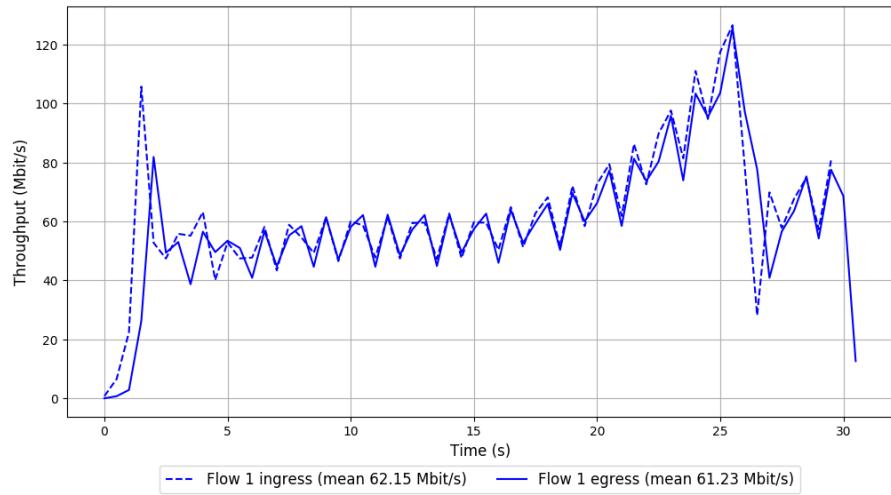


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-30 11:25:43
End at: 2018-05-30 11:26:13
Local clock offset: 0.839 ms
Remote clock offset: -27.92 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 75.916 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 75.916 ms
Loss rate: 1.49%
```

Run 6: Report of TCP Cubic — Data Link

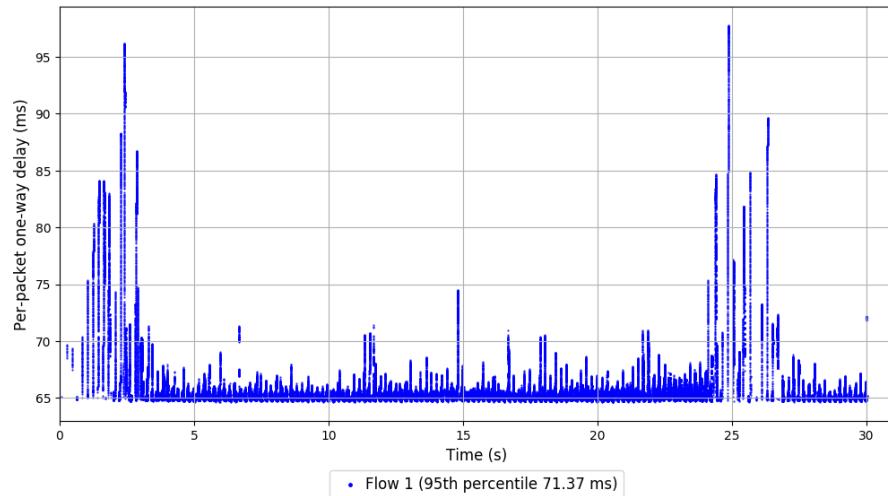
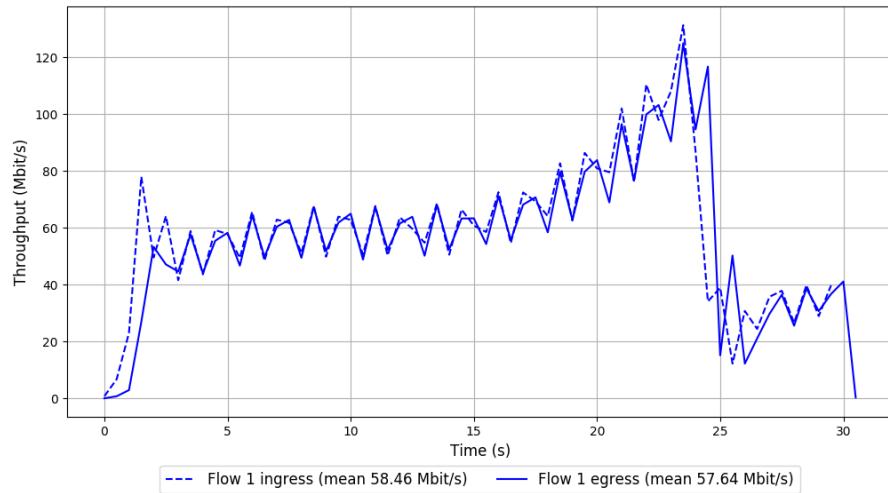


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-30 11:55:59
End at: 2018-05-30 11:56:29
Local clock offset: 0.639 ms
Remote clock offset: -27.547 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 71.373 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 71.373 ms
Loss rate: 1.41%
```

Run 7: Report of TCP Cubic — Data Link

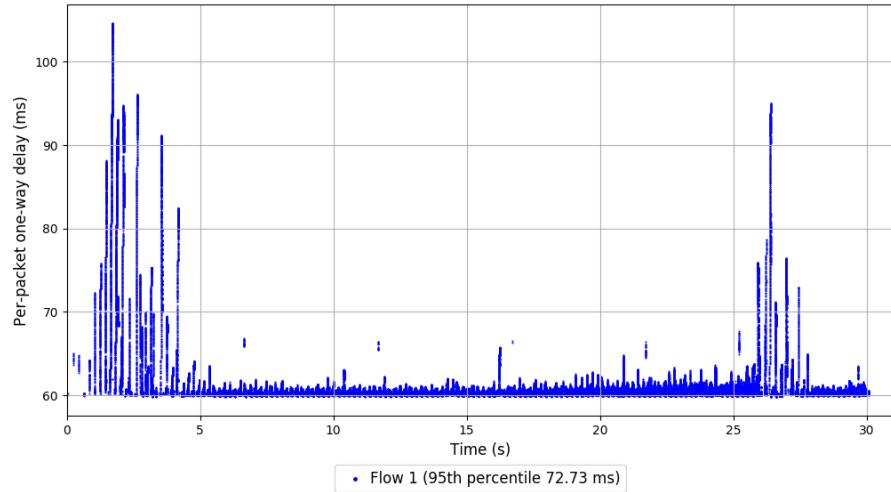
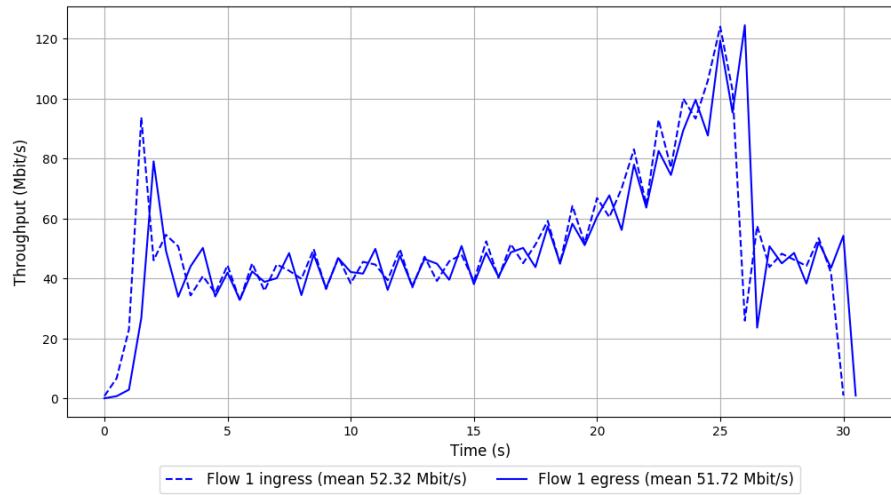


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-30 12:31:39
End at: 2018-05-30 12:32:09
Local clock offset: 0.289 ms
Remote clock offset: -34.663 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.72 Mbit/s
95th percentile per-packet one-way delay: 72.729 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 51.72 Mbit/s
95th percentile per-packet one-way delay: 72.729 ms
Loss rate: 1.14%
```

Run 8: Report of TCP Cubic — Data Link

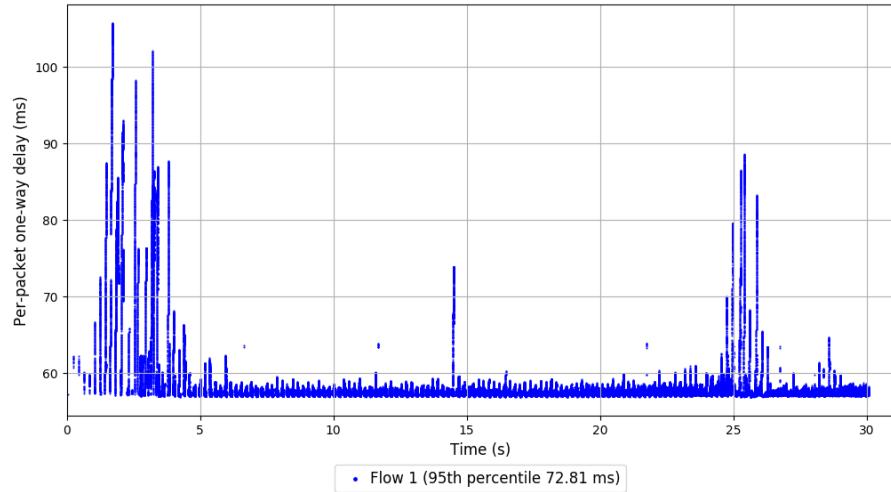
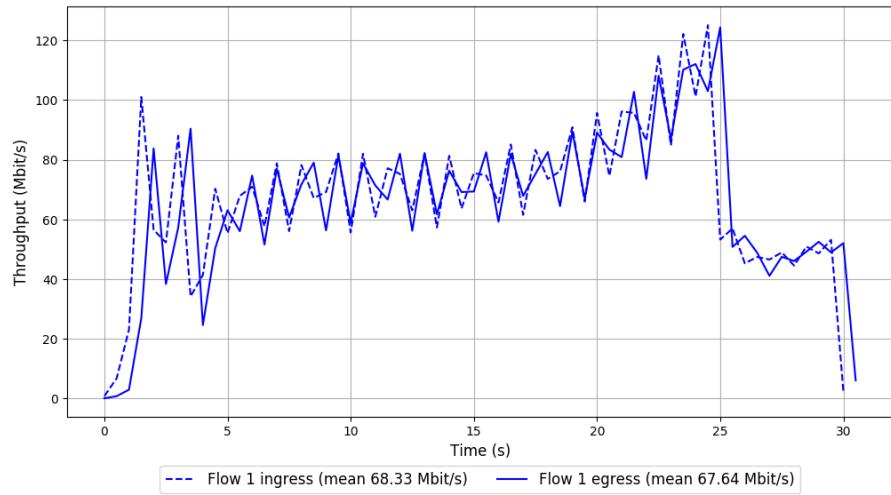


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-30 13:09:01
End at: 2018-05-30 13:09:31
Local clock offset: 0.307 ms
Remote clock offset: -35.543 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 72.814 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 72.814 ms
Loss rate: 1.01%
```

Run 9: Report of TCP Cubic — Data Link

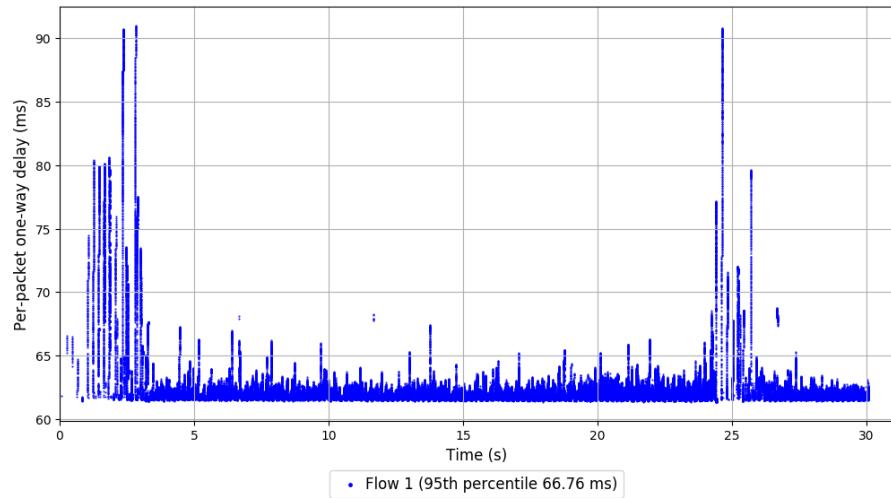
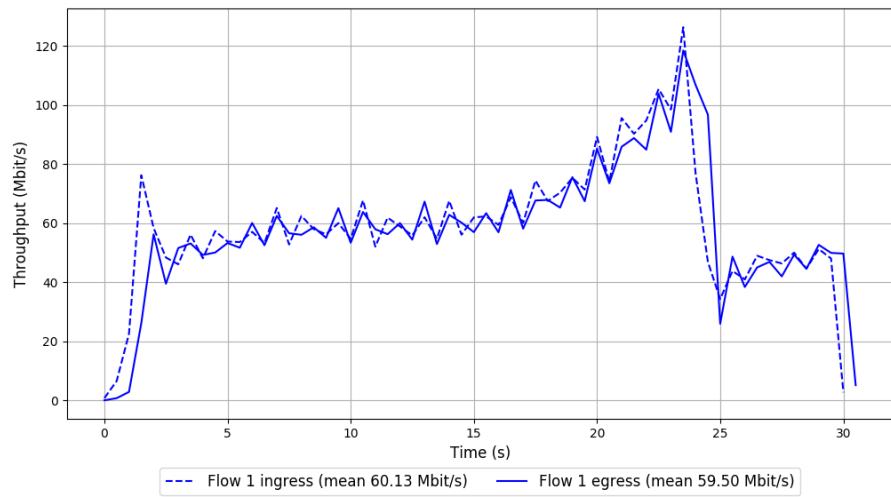


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-30 13:35:07
End at: 2018-05-30 13:35:37
Local clock offset: 0.637 ms
Remote clock offset: -30.304 ms

# Below is generated by plot.py at 2018-05-30 13:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 66.764 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 66.764 ms
Loss rate: 1.06%
```

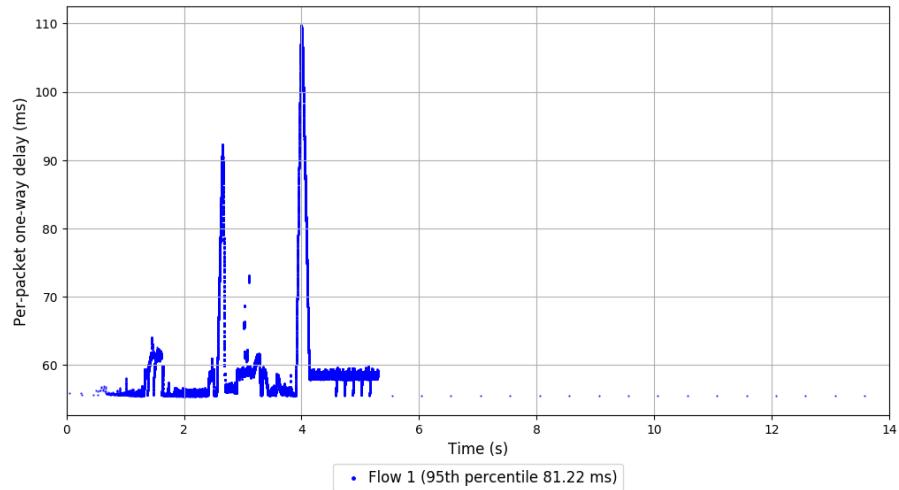
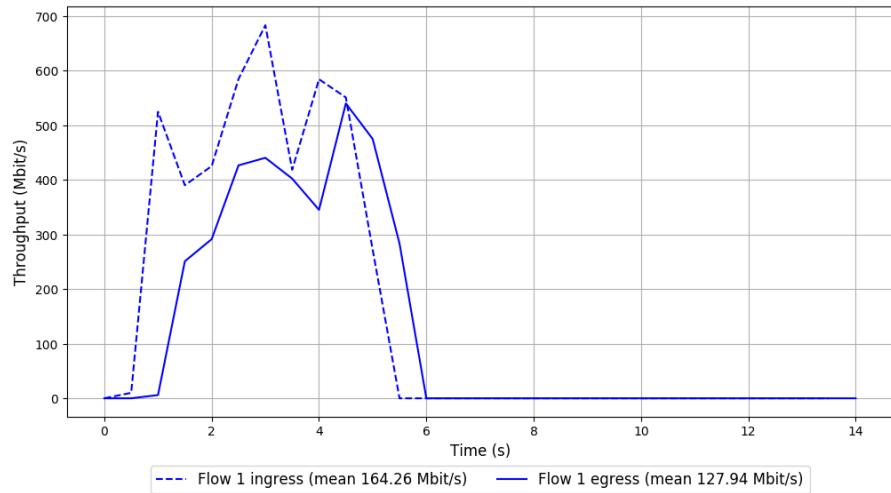
Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-30 08:52:34
End at: 2018-05-30 08:53:04
Local clock offset: 0.632 ms
Remote clock offset: -38.746 ms

Run 1: Report of FillP — Data Link

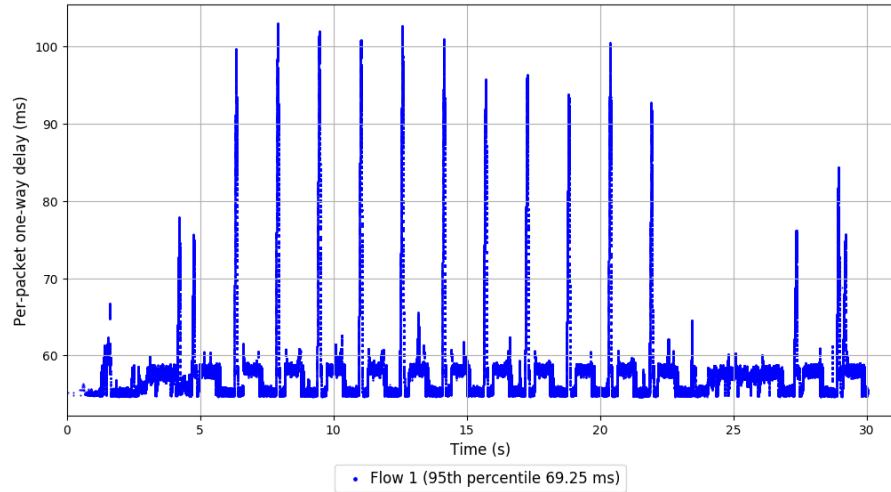
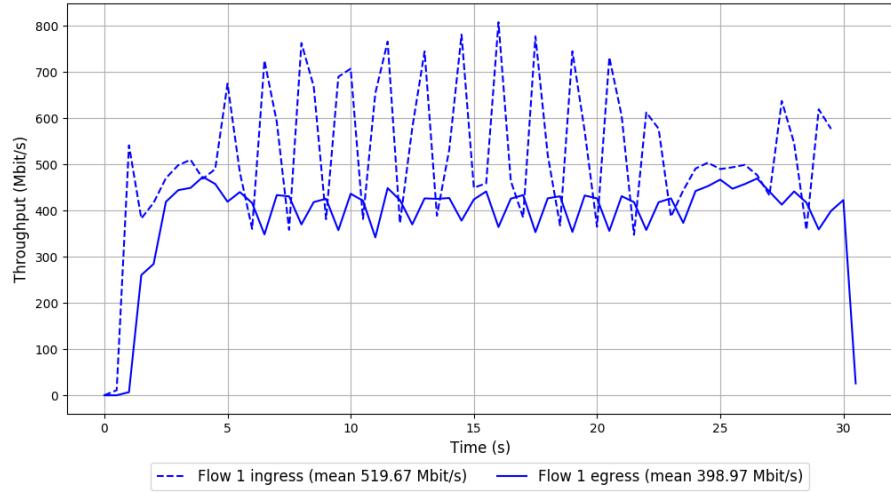


Run 2: Statistics of FillP

```
Start at: 2018-05-30 09:24:05
End at: 2018-05-30 09:24:35
Local clock offset: -0.489 ms
Remote clock offset: -39.707 ms

# Below is generated by plot.py at 2018-05-30 13:55:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 398.97 Mbit/s
95th percentile per-packet one-way delay: 69.255 ms
Loss rate: 23.23%
-- Flow 1:
Average throughput: 398.97 Mbit/s
95th percentile per-packet one-way delay: 69.255 ms
Loss rate: 23.23%
```

Run 2: Report of FillP — Data Link

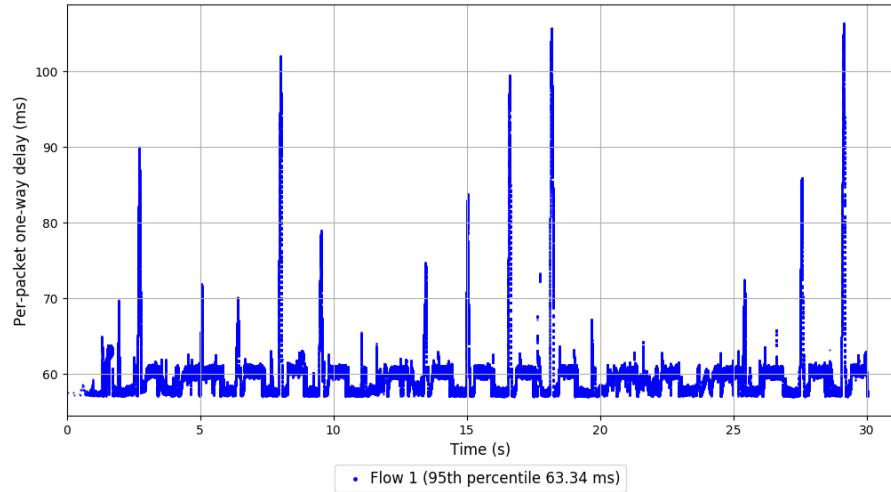
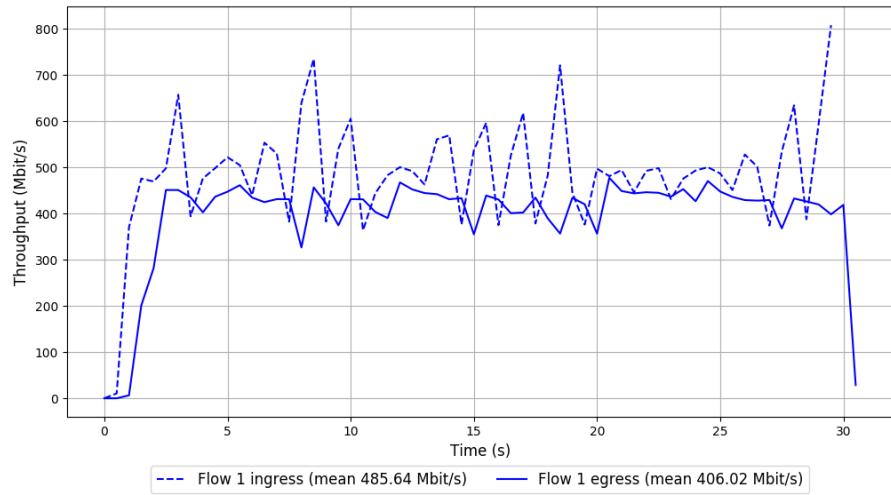


Run 3: Statistics of FillP

```
Start at: 2018-05-30 09:50:17
End at: 2018-05-30 09:50:47
Local clock offset: 0.043 ms
Remote clock offset: -36.565 ms

# Below is generated by plot.py at 2018-05-30 13:55:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 406.02 Mbit/s
95th percentile per-packet one-way delay: 63.343 ms
Loss rate: 16.40%
-- Flow 1:
Average throughput: 406.02 Mbit/s
95th percentile per-packet one-way delay: 63.343 ms
Loss rate: 16.40%
```

Run 3: Report of FillP — Data Link

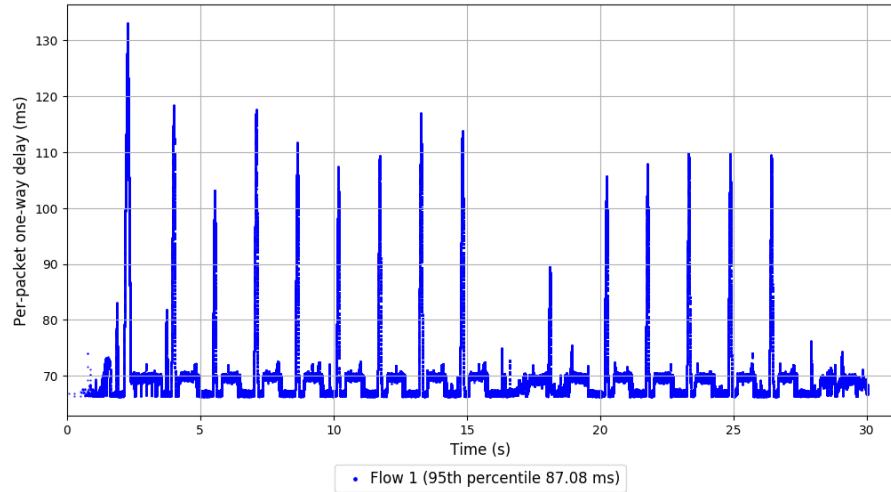
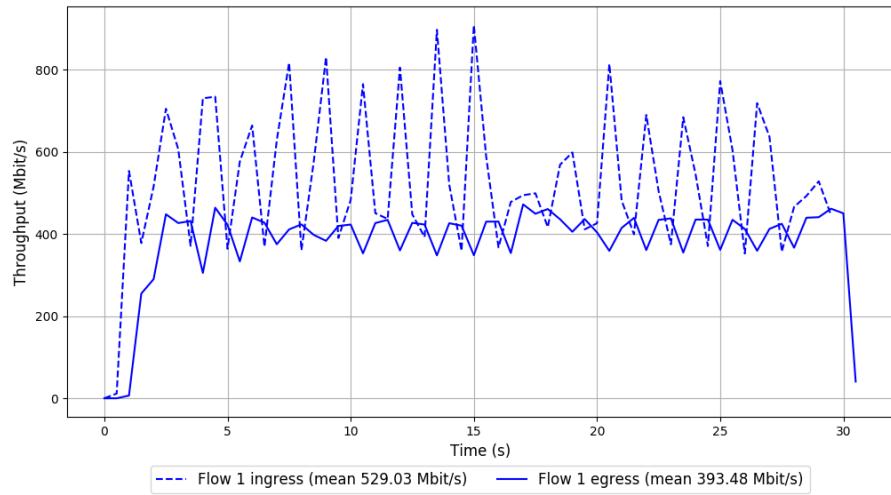


Run 4: Statistics of FillP

```
Start at: 2018-05-30 10:16:32
End at: 2018-05-30 10:17:02
Local clock offset: -1.353 ms
Remote clock offset: -26.113 ms

# Below is generated by plot.py at 2018-05-30 13:55:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 393.48 Mbit/s
95th percentile per-packet one-way delay: 87.083 ms
Loss rate: 25.62%
-- Flow 1:
Average throughput: 393.48 Mbit/s
95th percentile per-packet one-way delay: 87.083 ms
Loss rate: 25.62%
```

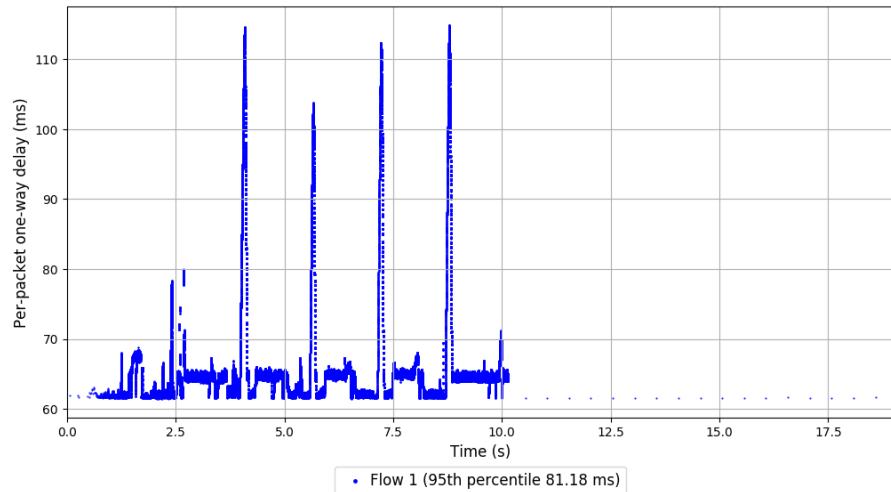
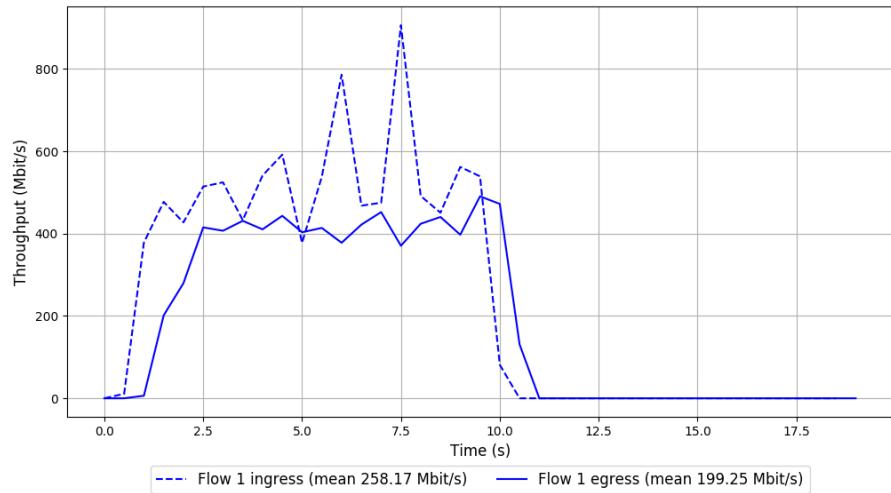
Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-30 10:52:29
End at: 2018-05-30 10:52:59
Local clock offset: 1.09 ms
Remote clock offset: -29.613 ms

Run 5: Report of FillP — Data Link

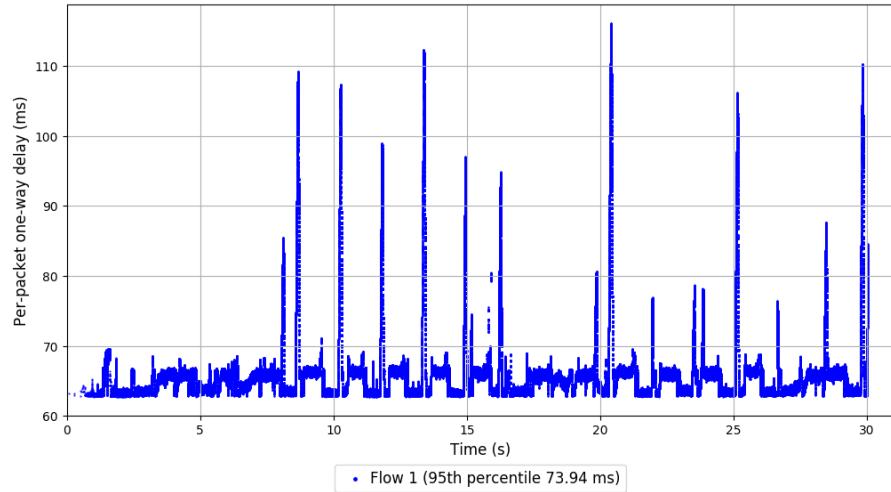
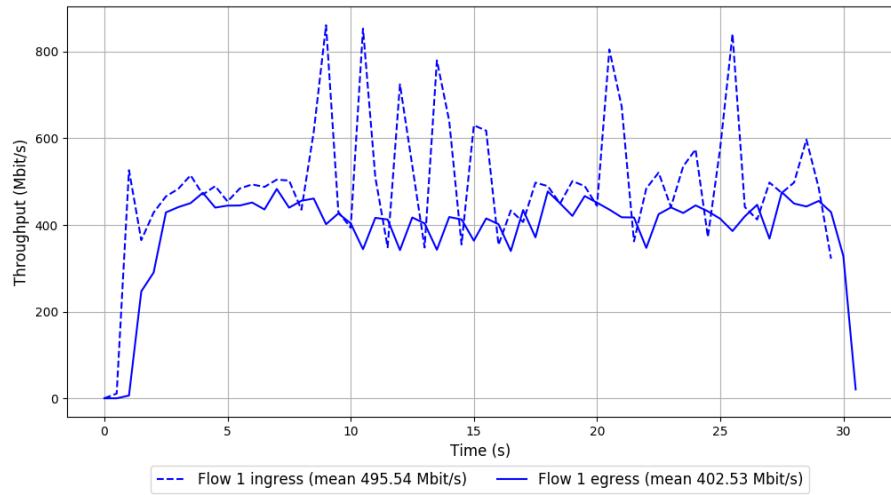


Run 6: Statistics of FillP

```
Start at: 2018-05-30 11:24:14
End at: 2018-05-30 11:24:44
Local clock offset: 2.511 ms
Remote clock offset: -28.668 ms

# Below is generated by plot.py at 2018-05-30 13:56:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 402.53 Mbit/s
95th percentile per-packet one-way delay: 73.940 ms
Loss rate: 18.79%
-- Flow 1:
Average throughput: 402.53 Mbit/s
95th percentile per-packet one-way delay: 73.940 ms
Loss rate: 18.79%
```

Run 6: Report of FillP — Data Link

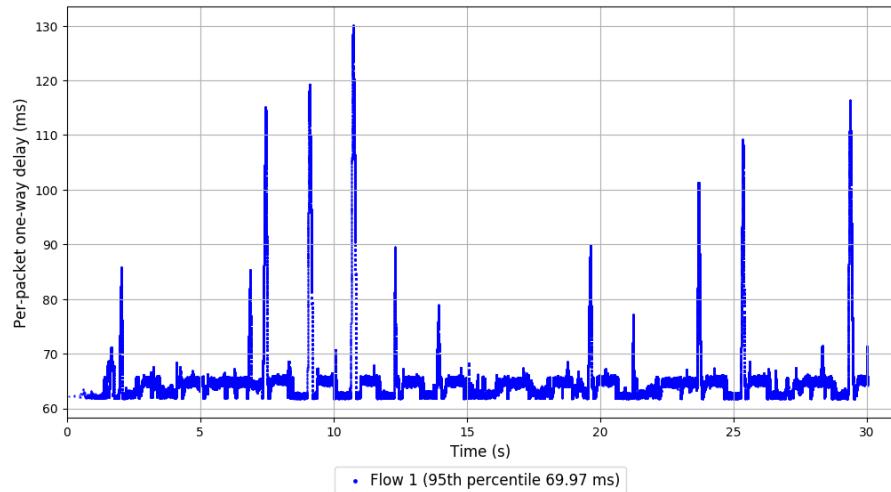
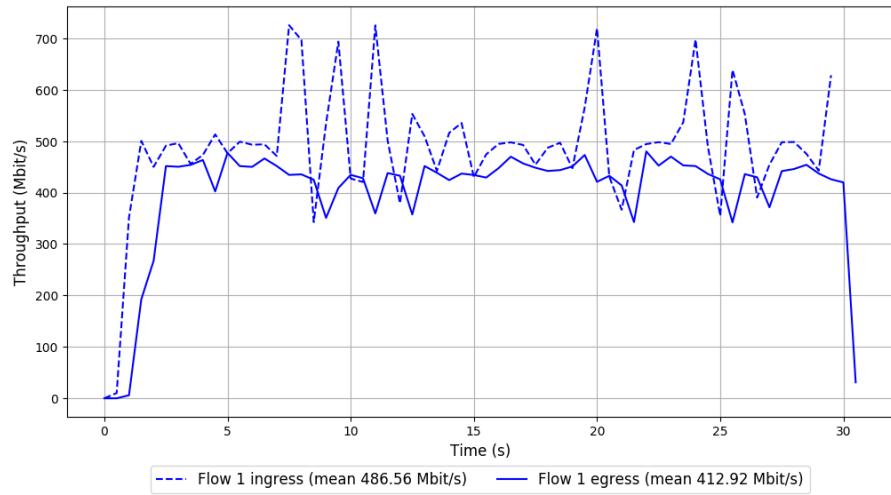


Run 7: Statistics of FillP

```
Start at: 2018-05-30 11:54:30
End at: 2018-05-30 11:55:00
Local clock offset: -0.782 ms
Remote clock offset: -33.96 ms

# Below is generated by plot.py at 2018-05-30 13:56:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.92 Mbit/s
95th percentile per-packet one-way delay: 69.975 ms
Loss rate: 15.13%
-- Flow 1:
Average throughput: 412.92 Mbit/s
95th percentile per-packet one-way delay: 69.975 ms
Loss rate: 15.13%
```

Run 7: Report of FillP — Data Link

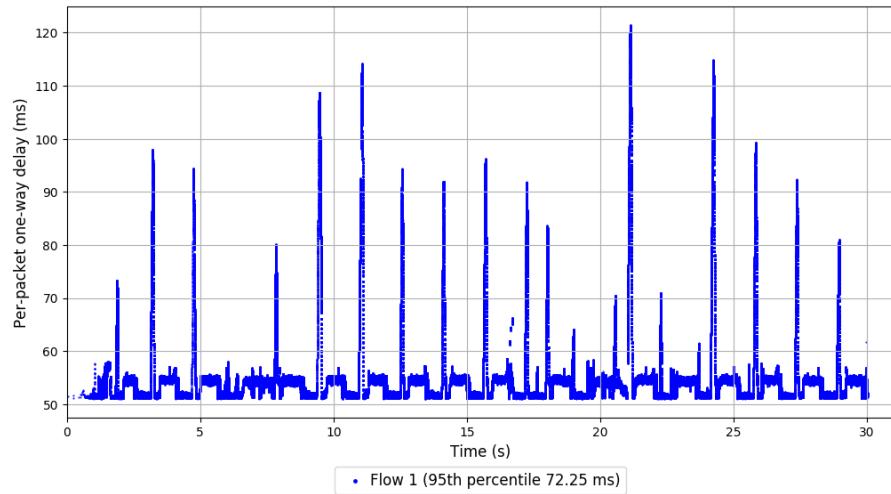
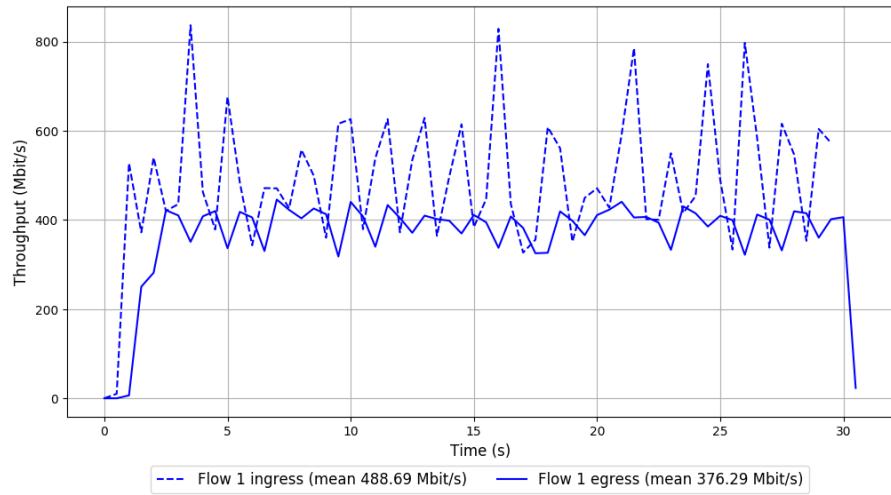


Run 8: Statistics of FillP

```
Start at: 2018-05-30 12:30:11
End at: 2018-05-30 12:30:41
Local clock offset: 1.14 ms
Remote clock offset: -39.977 ms

# Below is generated by plot.py at 2018-05-30 13:56:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 376.29 Mbit/s
95th percentile per-packet one-way delay: 72.245 ms
Loss rate: 23.00%
-- Flow 1:
Average throughput: 376.29 Mbit/s
95th percentile per-packet one-way delay: 72.245 ms
Loss rate: 23.00%
```

Run 8: Report of FillP — Data Link

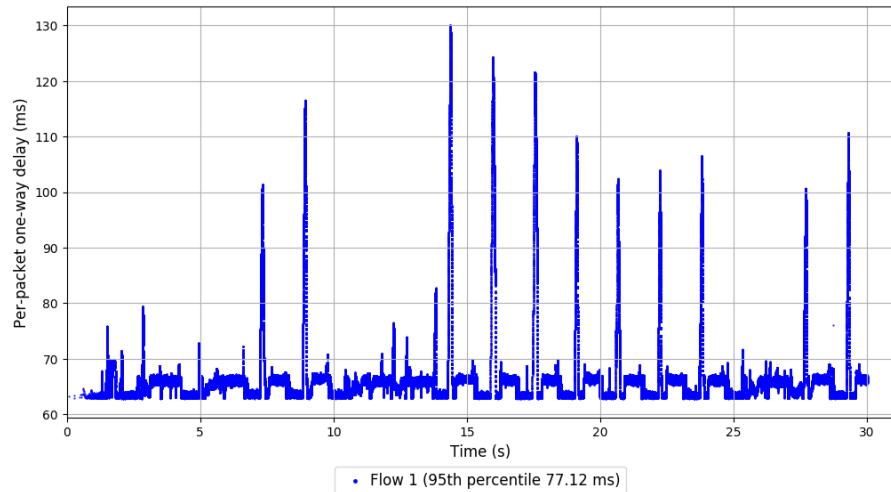
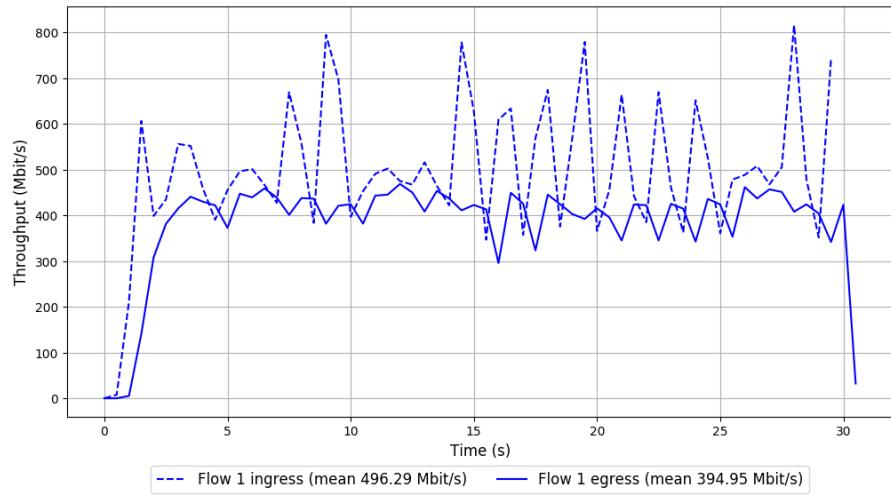


Run 9: Statistics of FillP

```
Start at: 2018-05-30 13:07:33
End at: 2018-05-30 13:08:03
Local clock offset: -0.714 ms
Remote clock offset: -32.784 ms

# Below is generated by plot.py at 2018-05-30 13:57:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 394.95 Mbit/s
95th percentile per-packet one-way delay: 77.123 ms
Loss rate: 20.42%
-- Flow 1:
Average throughput: 394.95 Mbit/s
95th percentile per-packet one-way delay: 77.123 ms
Loss rate: 20.42%
```

Run 9: Report of FillP — Data Link

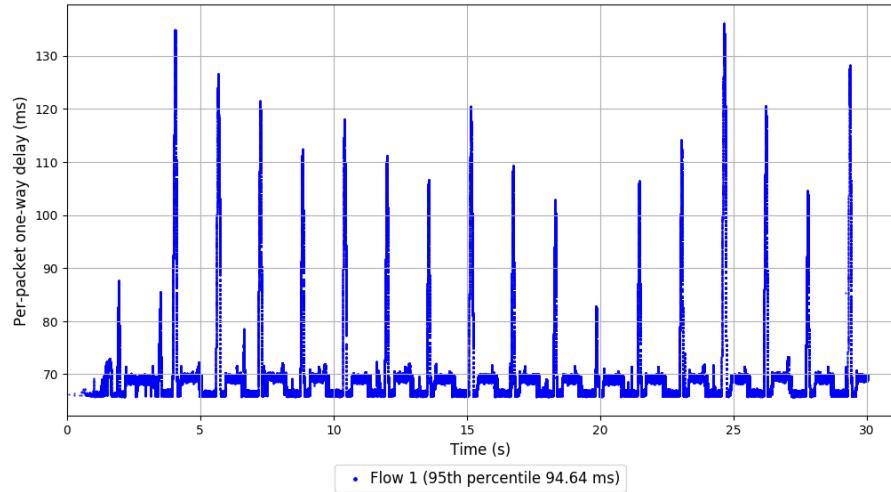
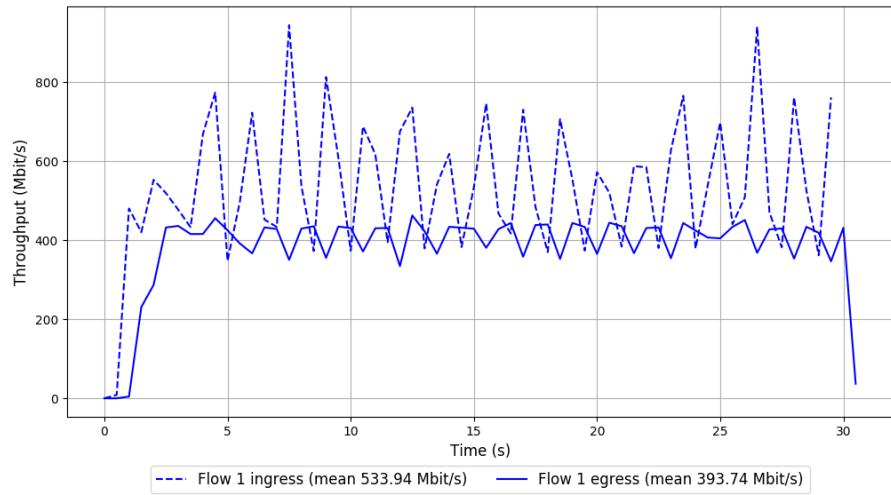


Run 10: Statistics of FillP

```
Start at: 2018-05-30 13:33:37
End at: 2018-05-30 13:34:07
Local clock offset: -0.904 ms
Remote clock offset: -27.544 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 393.74 Mbit/s
95th percentile per-packet one-way delay: 94.638 ms
Loss rate: 26.25%
-- Flow 1:
Average throughput: 393.74 Mbit/s
95th percentile per-packet one-way delay: 94.638 ms
Loss rate: 26.25%
```

Run 10: Report of FillP — Data Link

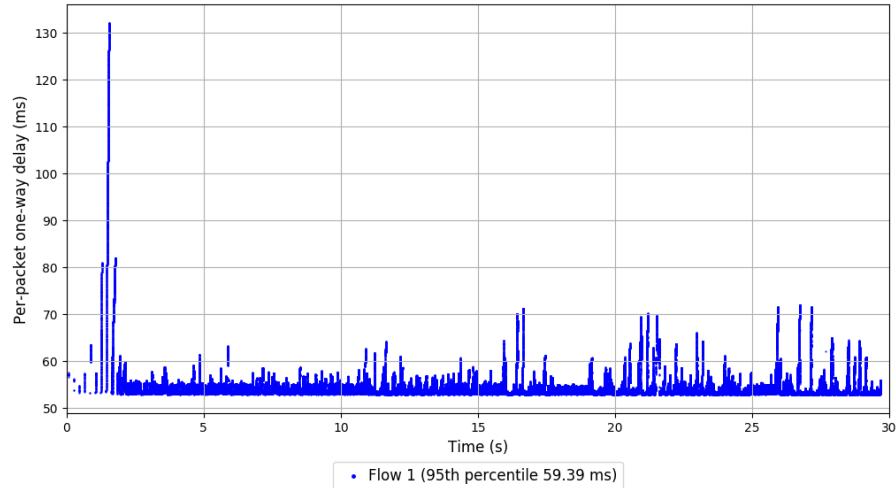
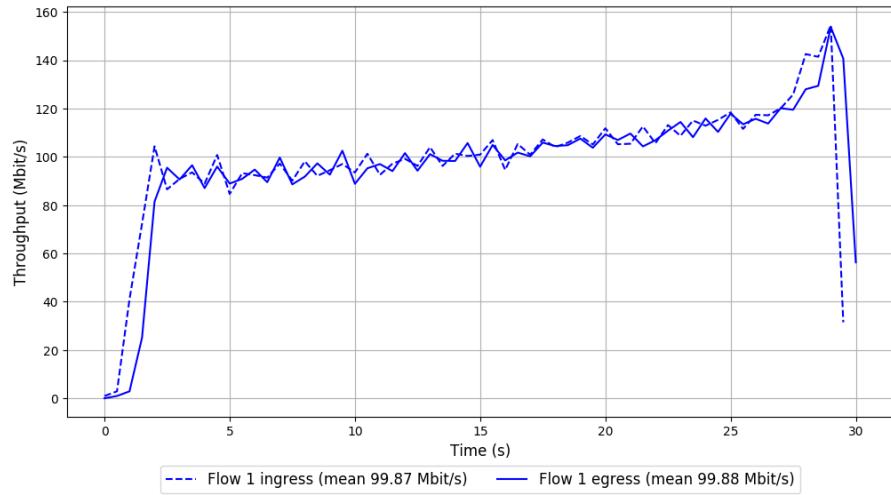


Run 1: Statistics of Indigo

```
Start at: 2018-05-30 08:25:58
End at: 2018-05-30 08:26:28
Local clock offset: -0.059 ms
Remote clock offset: -44.196 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.88 Mbit/s
95th percentile per-packet one-way delay: 59.386 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.88 Mbit/s
95th percentile per-packet one-way delay: 59.386 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

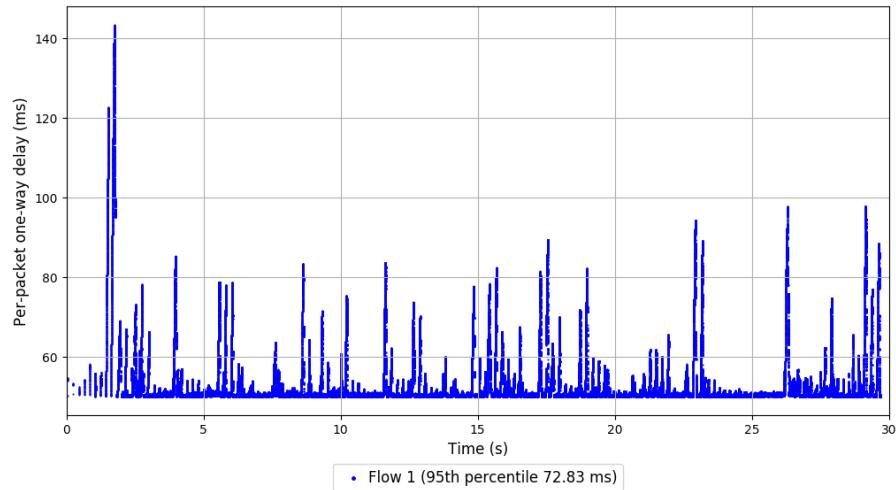
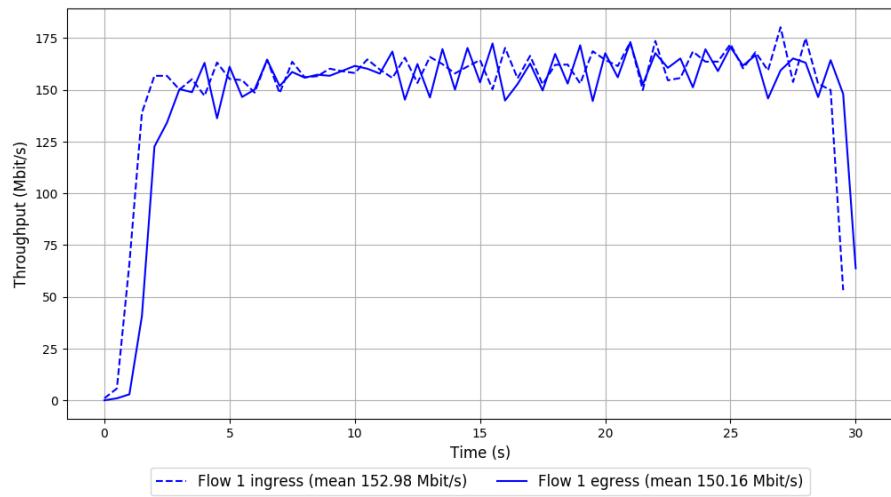


Run 2: Statistics of Indigo

```
Start at: 2018-05-30 09:08:33
End at: 2018-05-30 09:09:03
Local clock offset: 2.06 ms
Remote clock offset: -42.129 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 150.16 Mbit/s
95th percentile per-packet one-way delay: 72.835 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 150.16 Mbit/s
95th percentile per-packet one-way delay: 72.835 ms
Loss rate: 1.85%
```

Run 2: Report of Indigo — Data Link

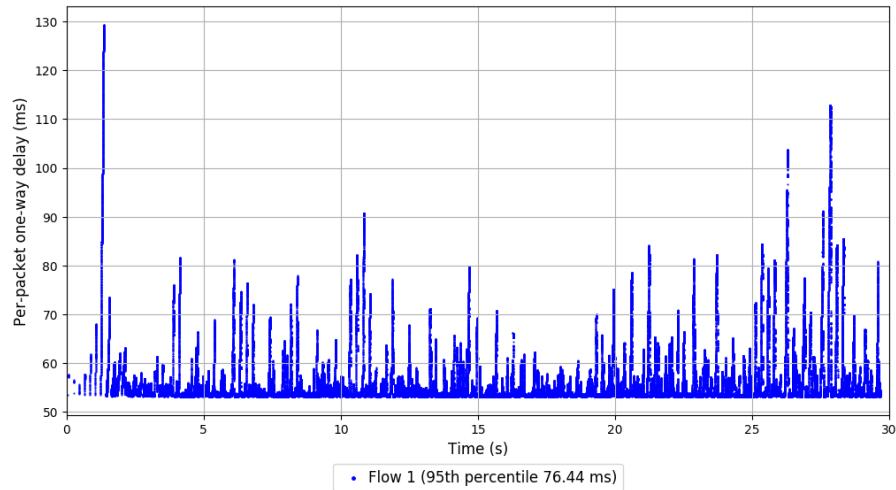
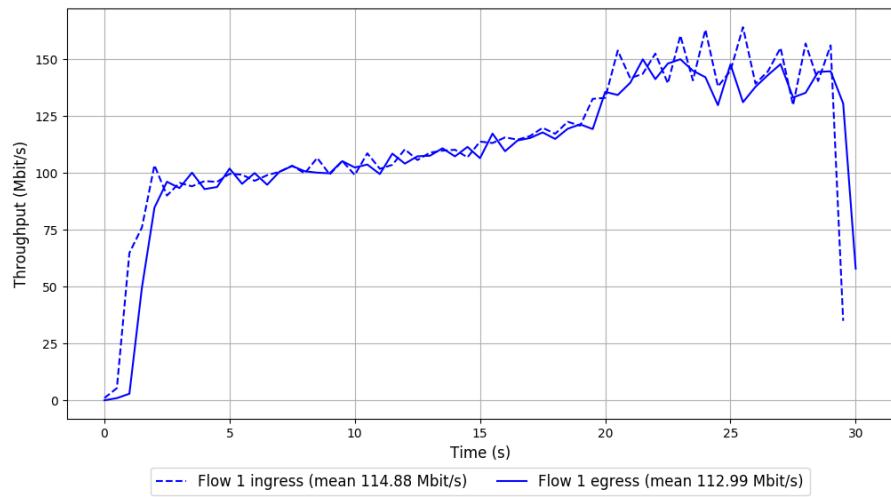


Run 3: Statistics of Indigo

```
Start at: 2018-05-30 09:29:20
End at: 2018-05-30 09:29:50
Local clock offset: -0.014 ms
Remote clock offset: -41.185 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.99 Mbit/s
95th percentile per-packet one-way delay: 76.444 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 112.99 Mbit/s
95th percentile per-packet one-way delay: 76.444 ms
Loss rate: 1.64%
```

Run 3: Report of Indigo — Data Link

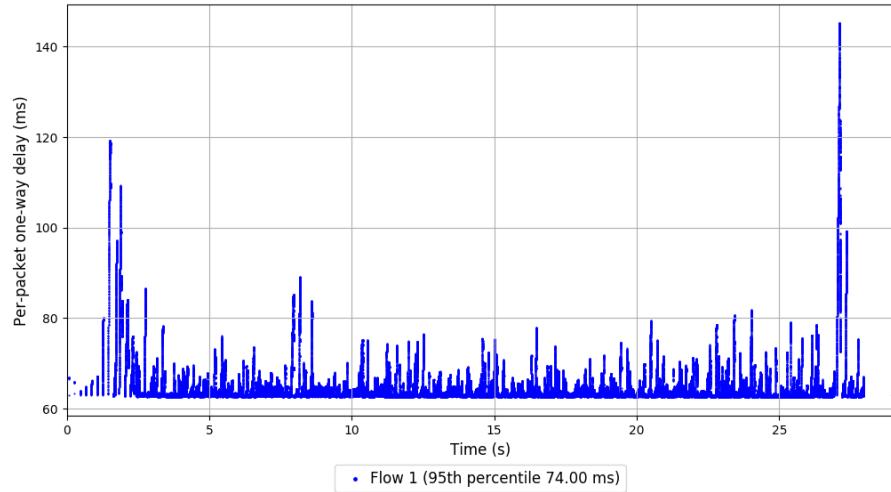
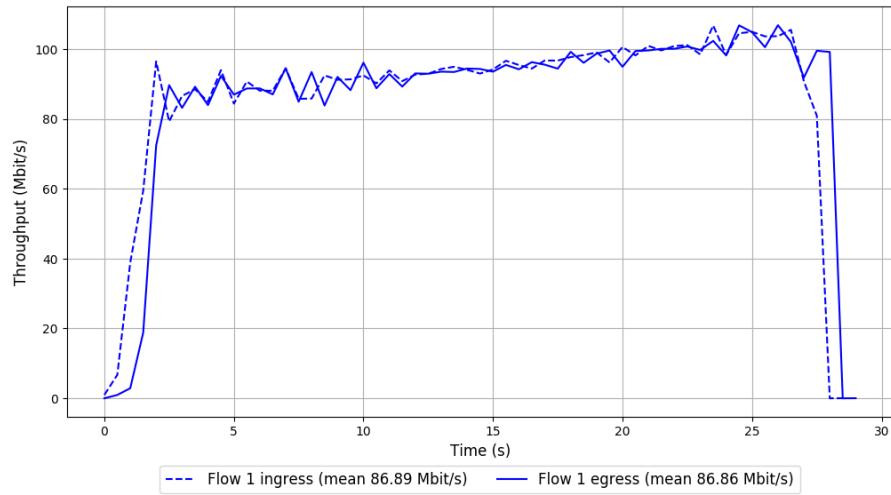


Run 4: Statistics of Indigo

```
Start at: 2018-05-30 09:55:33
End at: 2018-05-30 09:56:03
Local clock offset: -0.016 ms
Remote clock offset: -29.753 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 74.003 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 74.003 ms
Loss rate: 0.03%
```

Run 4: Report of Indigo — Data Link

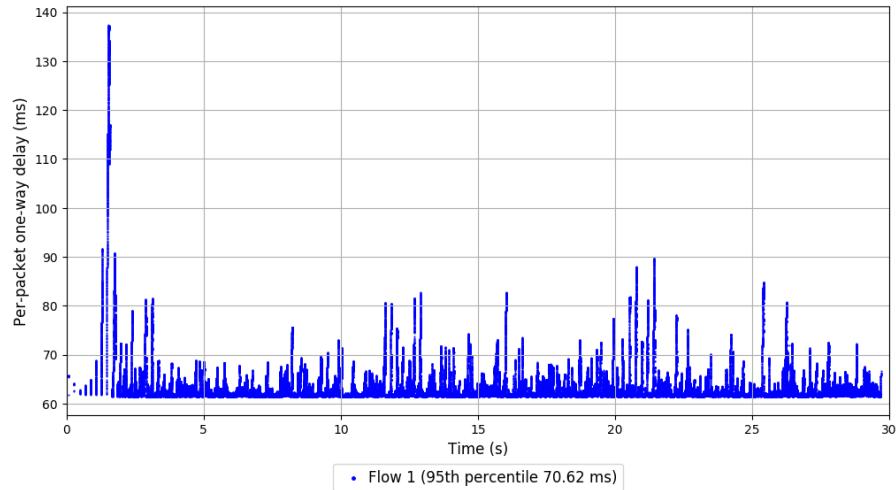
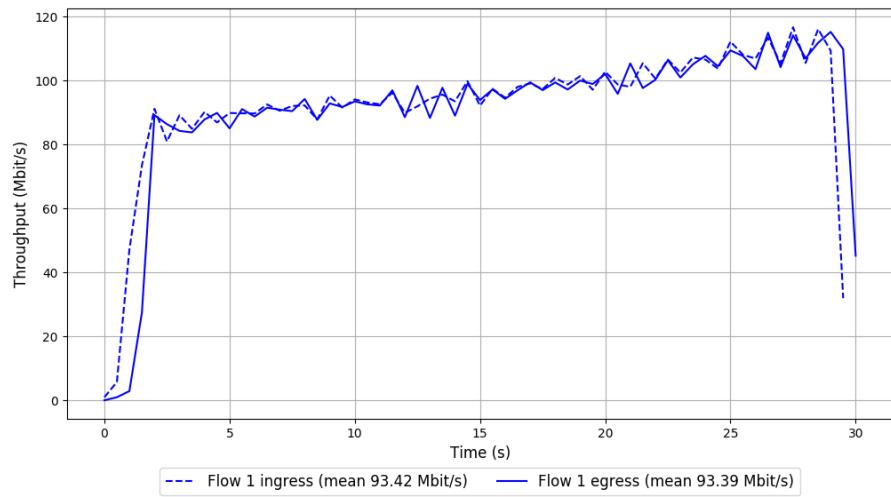


Run 5: Statistics of Indigo

```
Start at: 2018-05-30 10:21:48
End at: 2018-05-30 10:22:18
Local clock offset: -1.873 ms
Remote clock offset: -32.014 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 70.624 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 70.624 ms
Loss rate: 0.03%
```

Run 5: Report of Indigo — Data Link

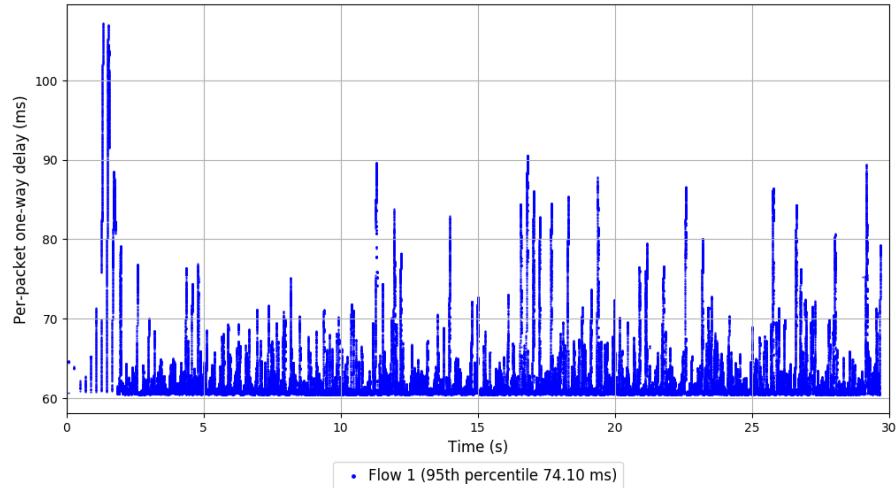
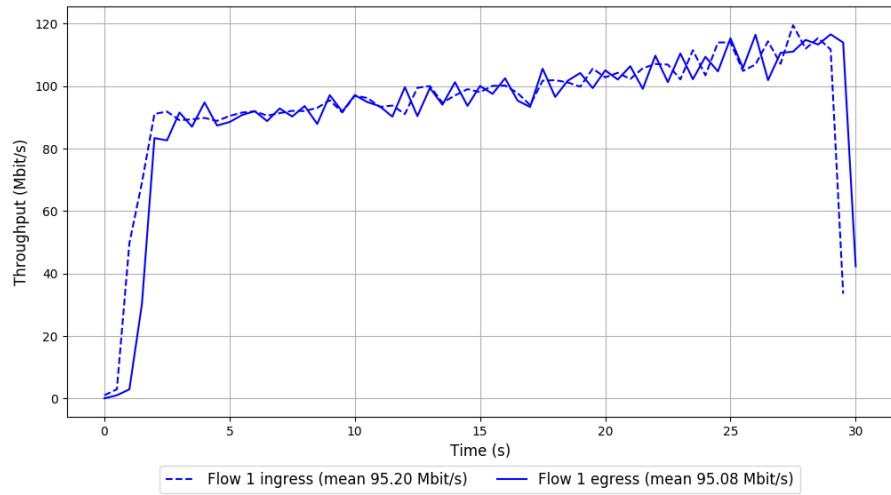


Run 6: Statistics of Indigo

```
Start at: 2018-05-30 11:08:40
End at: 2018-05-30 11:09:10
Local clock offset: -1.249 ms
Remote clock offset: -31.381 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 74.103 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 74.103 ms
Loss rate: 0.12%
```

Run 6: Report of Indigo — Data Link

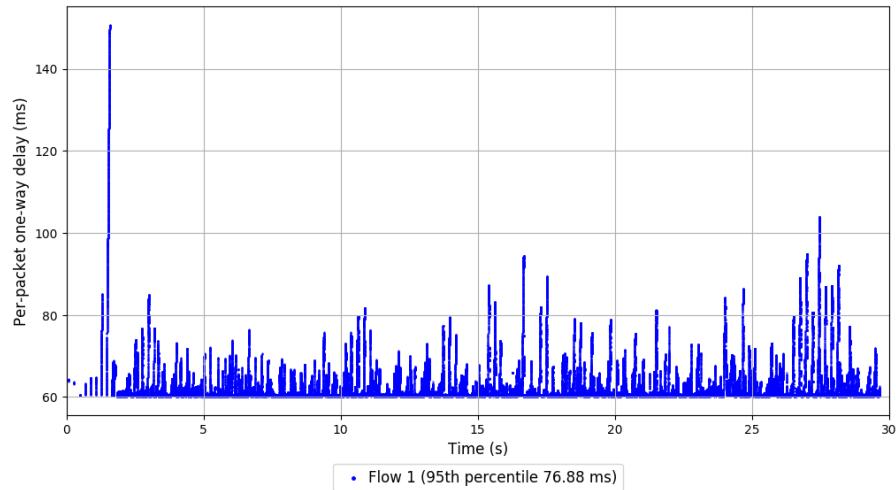
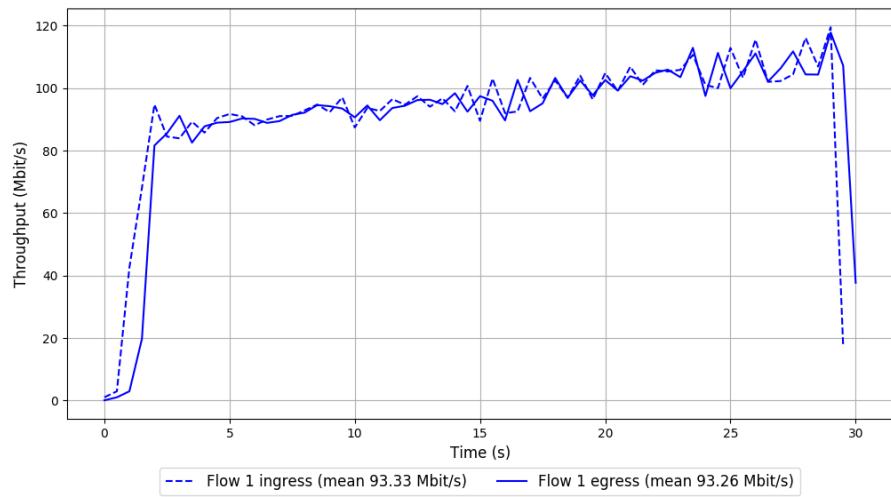


Run 7: Statistics of Indigo

```
Start at: 2018-05-30 11:29:29
End at: 2018-05-30 11:29:59
Local clock offset: -1.308 ms
Remote clock offset: -36.01 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 76.876 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 76.876 ms
Loss rate: 0.09%
```

Run 7: Report of Indigo — Data Link

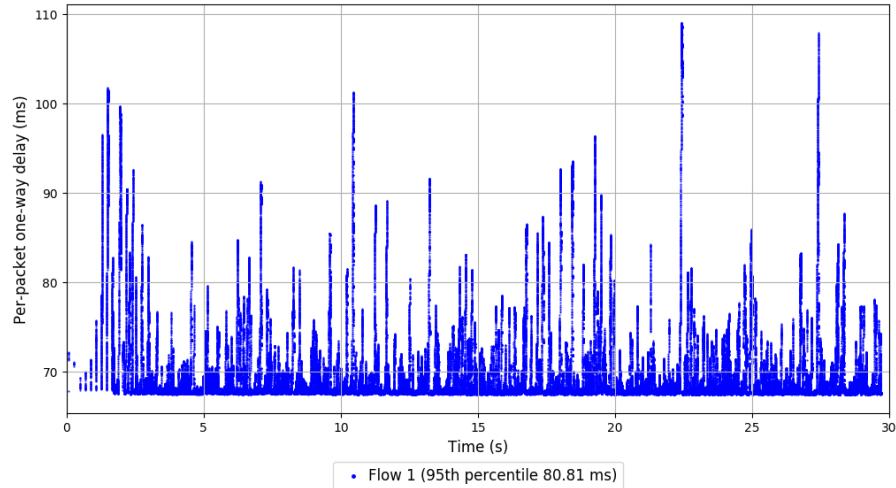
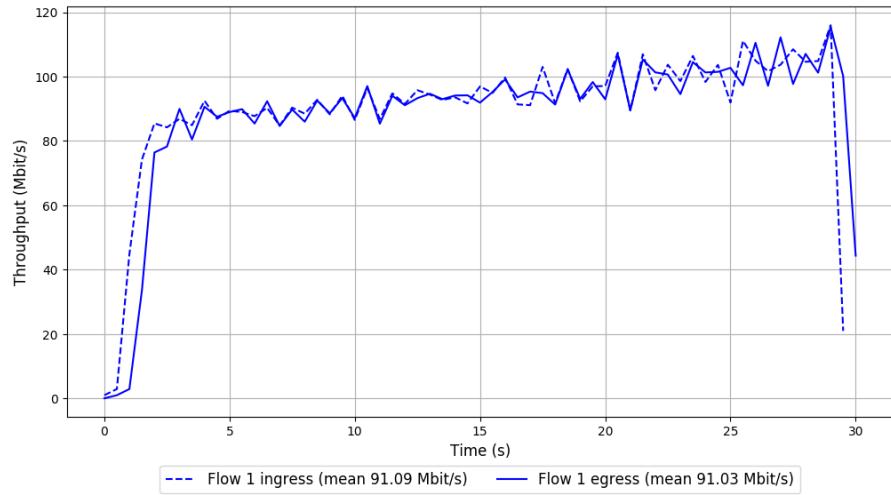


Run 8: Statistics of Indigo

```
Start at: 2018-05-30 11:59:42
End at: 2018-05-30 12:00:12
Local clock offset: -1.93 ms
Remote clock offset: -26.901 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 80.812 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 80.812 ms
Loss rate: 0.07%
```

Run 8: Report of Indigo — Data Link

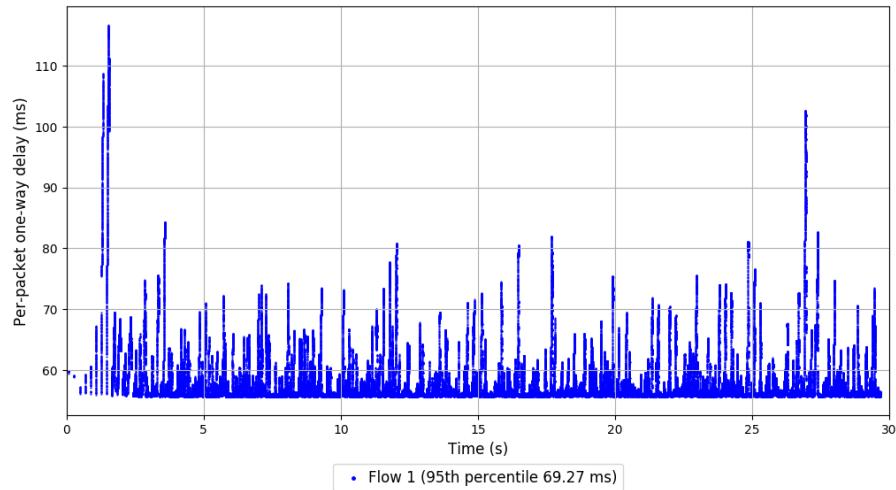
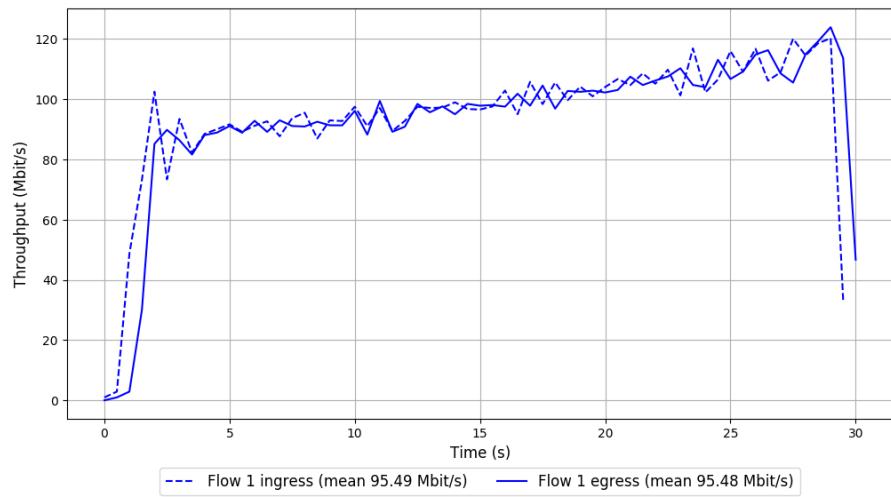


Run 9: Statistics of Indigo

```
Start at: 2018-05-30 12:41:01
End at: 2018-05-30 12:41:31
Local clock offset: 1.176 ms
Remote clock offset: -35.721 ms

# Below is generated by plot.py at 2018-05-30 13:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 69.268 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 69.268 ms
Loss rate: 0.02%
```

Run 9: Report of Indigo — Data Link

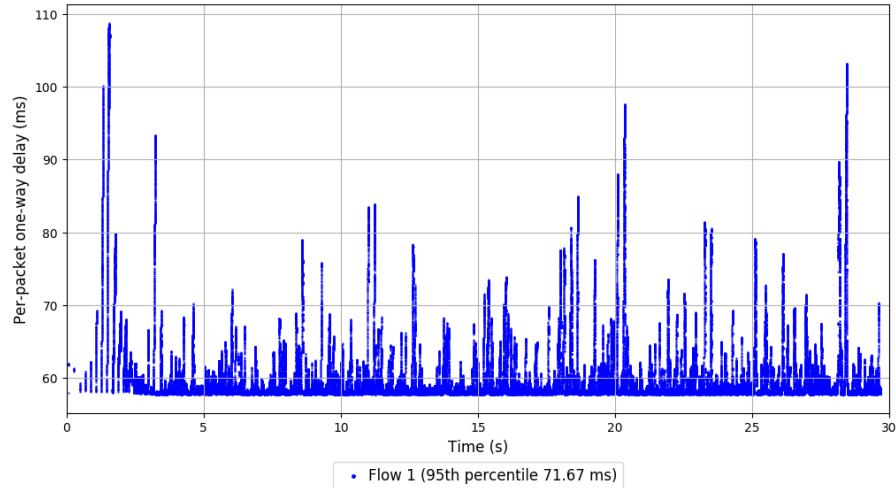
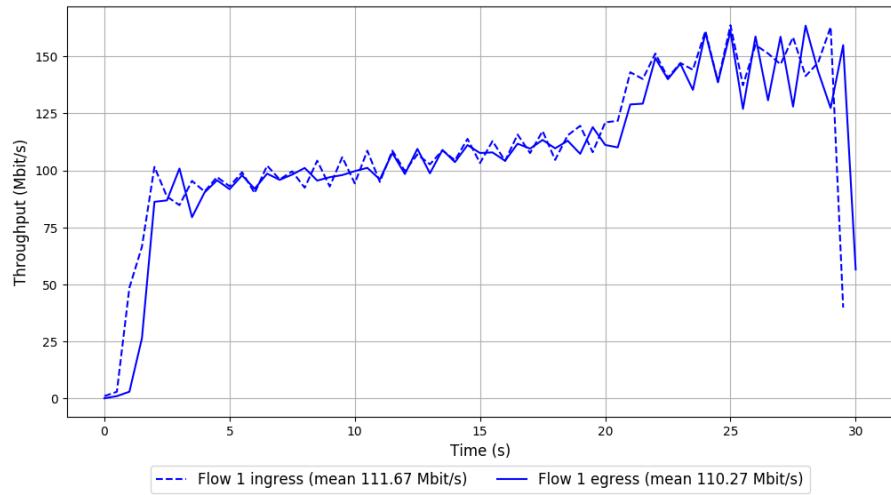


Run 10: Statistics of Indigo

```
Start at: 2018-05-30 13:12:44
End at: 2018-05-30 13:13:14
Local clock offset: -0.713 ms
Remote clock offset: -37.722 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.27 Mbit/s
95th percentile per-packet one-way delay: 71.674 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 110.27 Mbit/s
95th percentile per-packet one-way delay: 71.674 ms
Loss rate: 1.26%
```

Run 10: Report of Indigo — Data Link

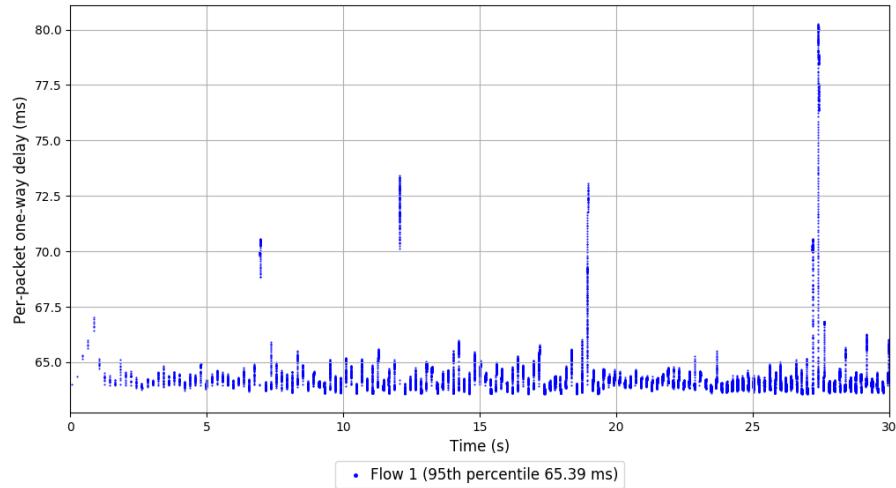
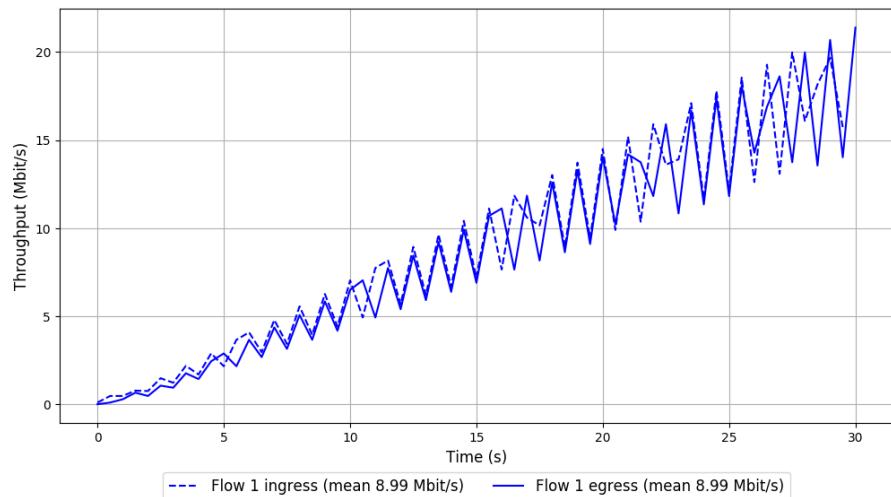


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-05-30 08:39:24
End at: 2018-05-30 08:39:54
Local clock offset: -1.124 ms
Remote clock offset: -36.097 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 65.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 65.392 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

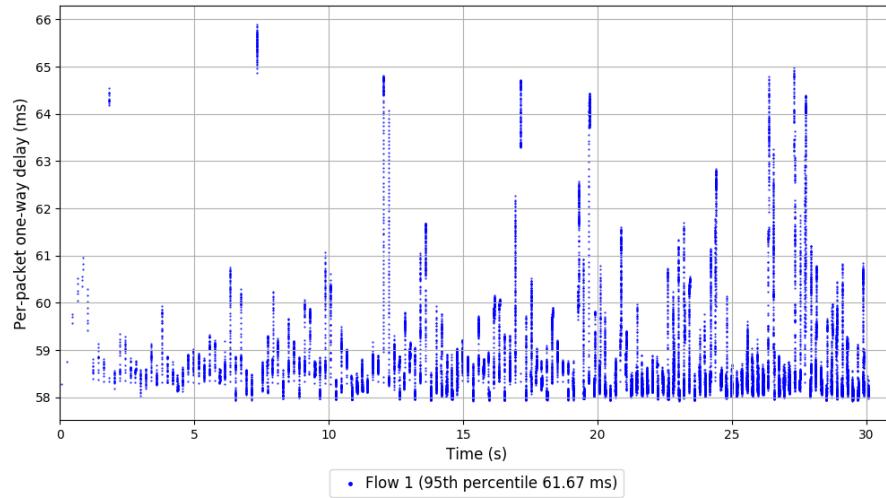
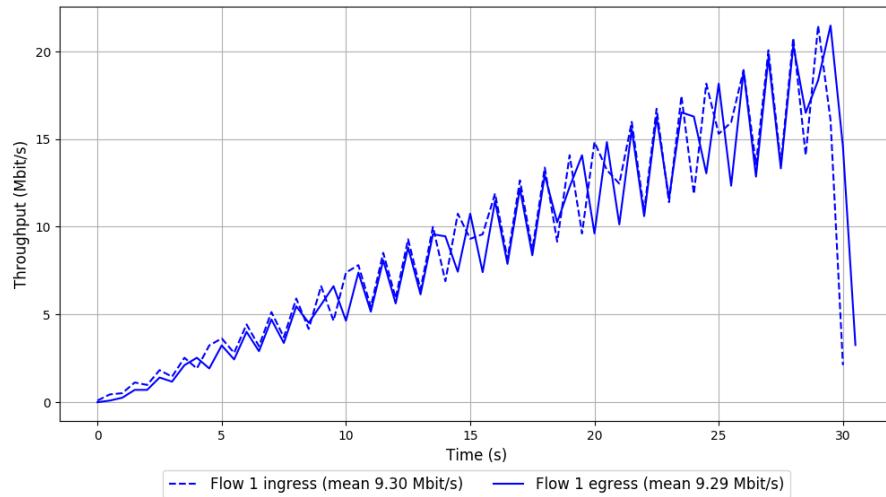


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-30 09:16:32
End at: 2018-05-30 09:17:02
Local clock offset: 0.516 ms
Remote clock offset: -38.091 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 61.673 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 61.673 ms
Loss rate: 0.07%
```

Run 2: Report of LEDBAT — Data Link

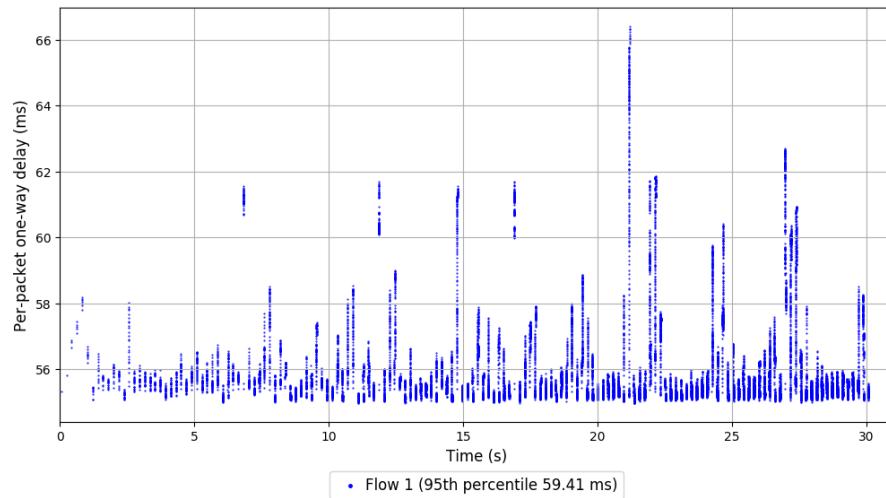
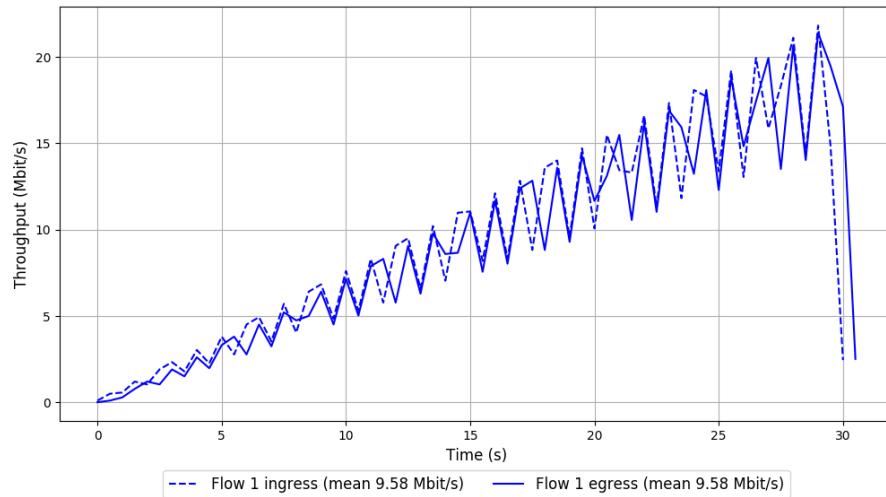


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-30 09:42:37
End at: 2018-05-30 09:43:07
Local clock offset: 0.112 ms
Remote clock offset: -38.379 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 59.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 59.415 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

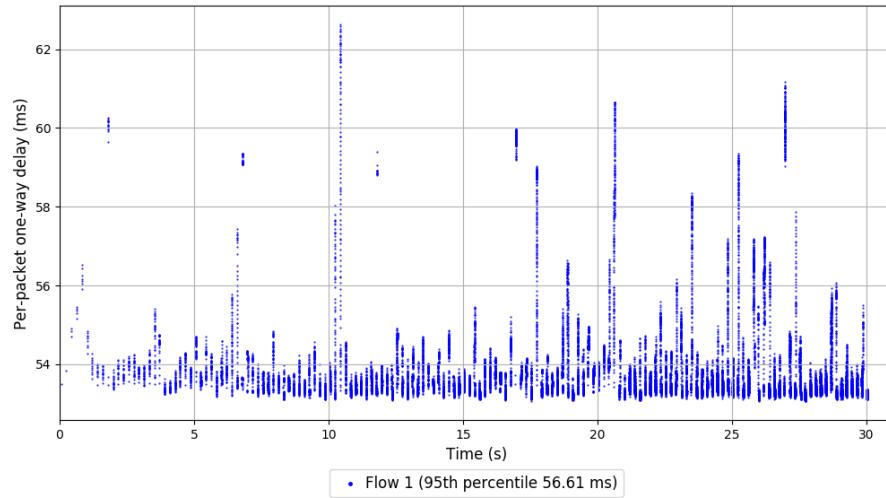
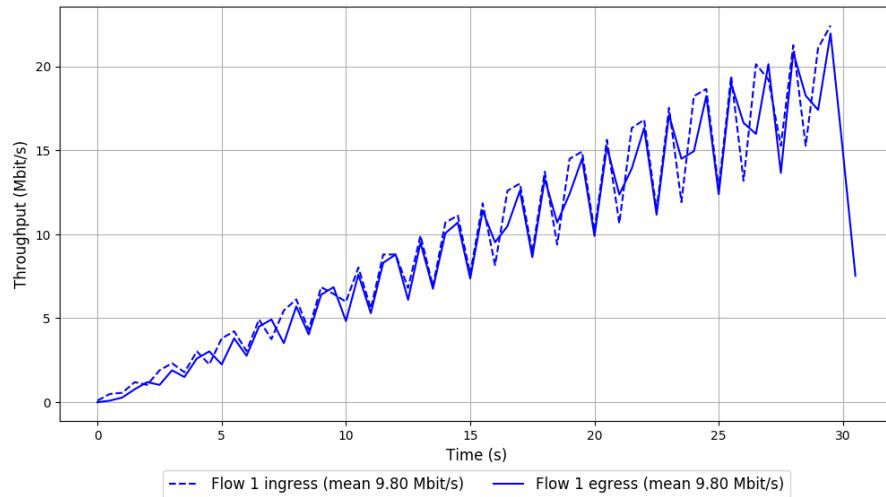


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-30 10:08:57
End at: 2018-05-30 10:09:27
Local clock offset: -0.698 ms
Remote clock offset: -39.098 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 56.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 56.613 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

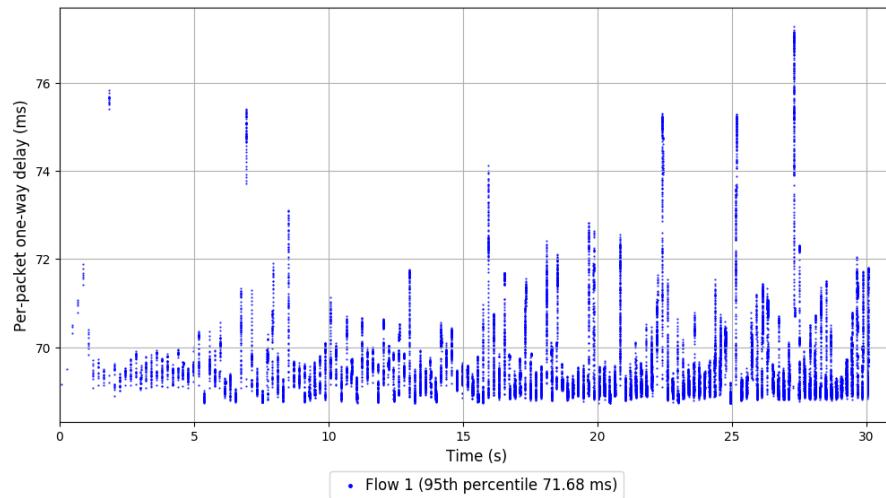
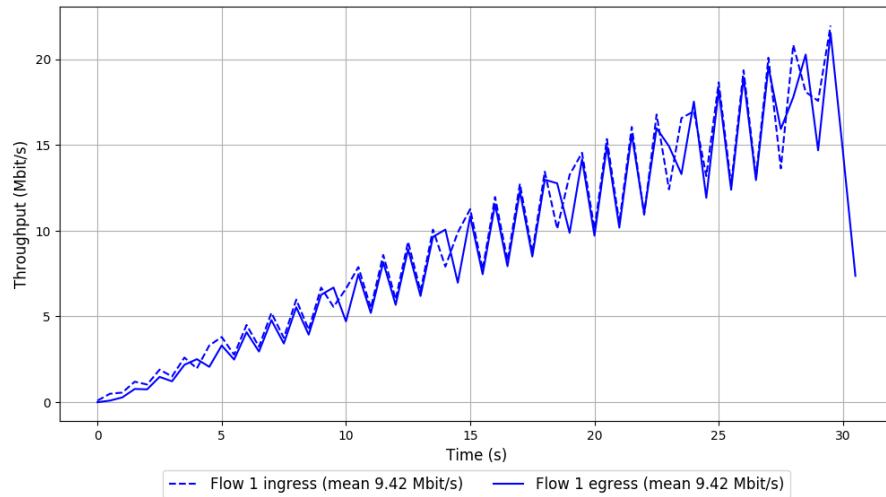


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-30 10:39:15
End at: 2018-05-30 10:39:45
Local clock offset: -1.761 ms
Remote clock offset: -27.442 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 71.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 71.681 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

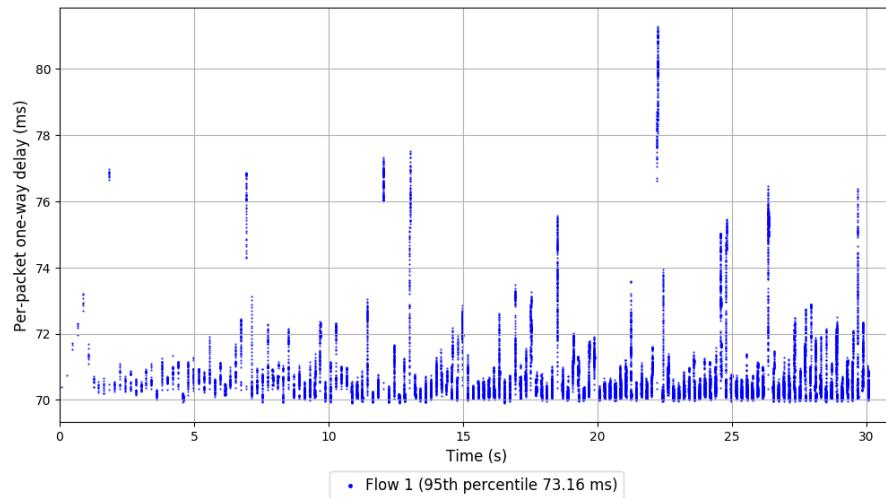
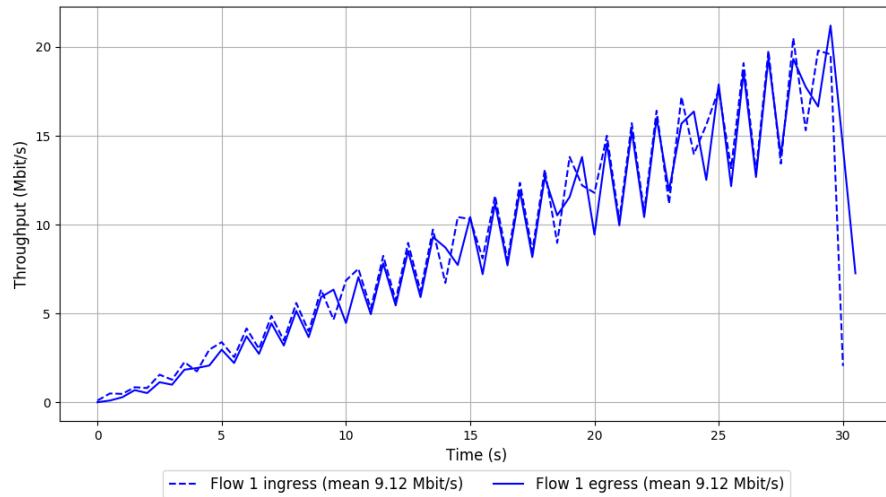


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-30 11:16:37
End at: 2018-05-30 11:17:07
Local clock offset: -3.9 ms
Remote clock offset: -26.872 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 73.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 73.161 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

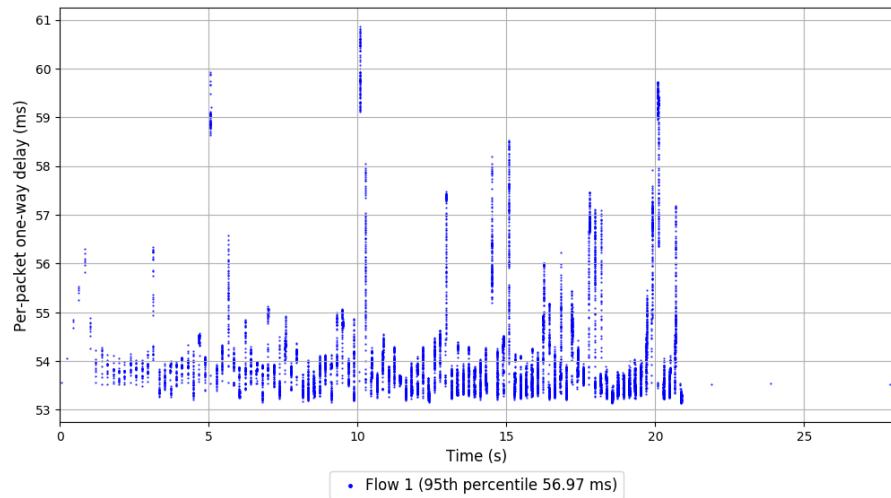
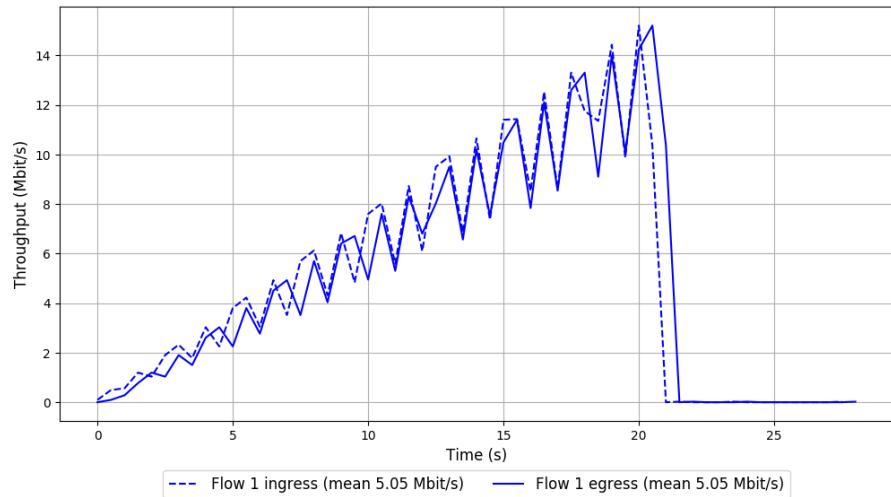


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-30 11:37:17
End at: 2018-05-30 11:37:47
Local clock offset: 1.116 ms
Remote clock offset: -39.213 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 56.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 56.968 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

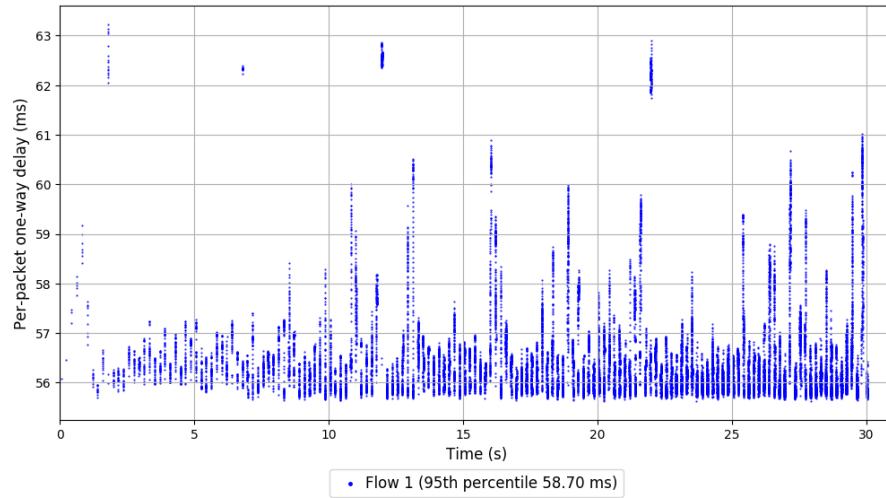
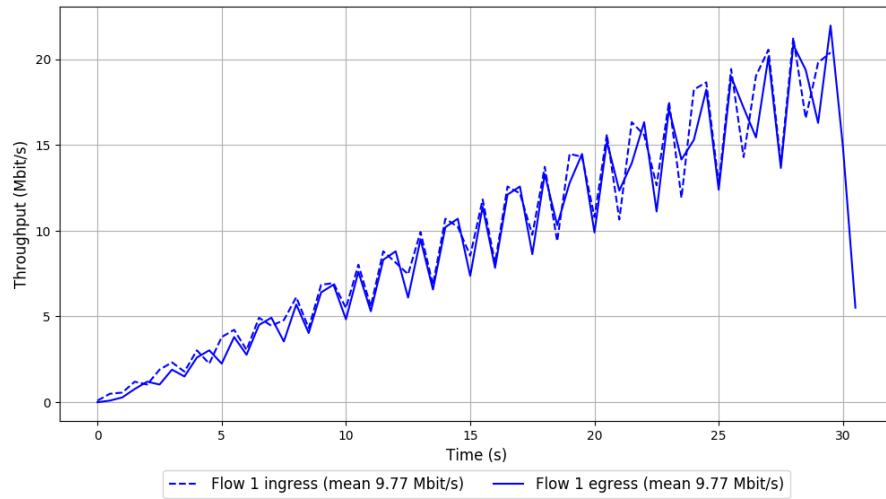


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-30 12:13:02
End at: 2018-05-30 12:13:32
Local clock offset: -2.642 ms
Remote clock offset: -38.396 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 58.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 58.697 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

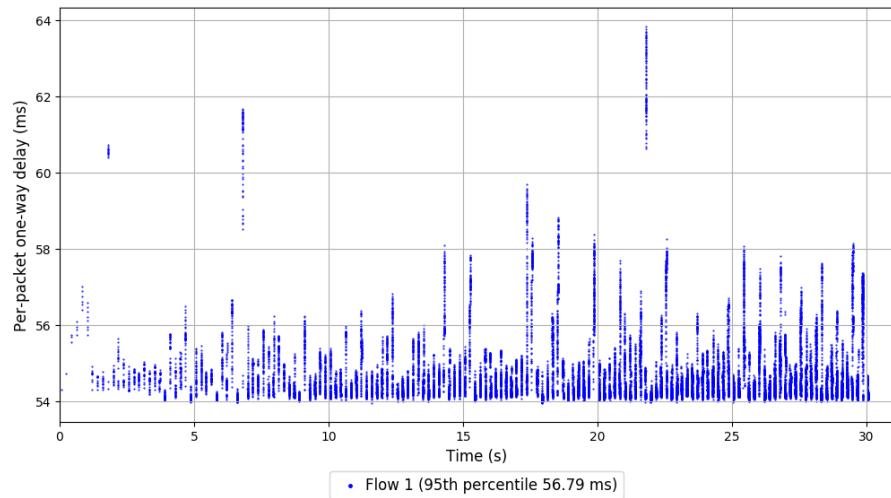
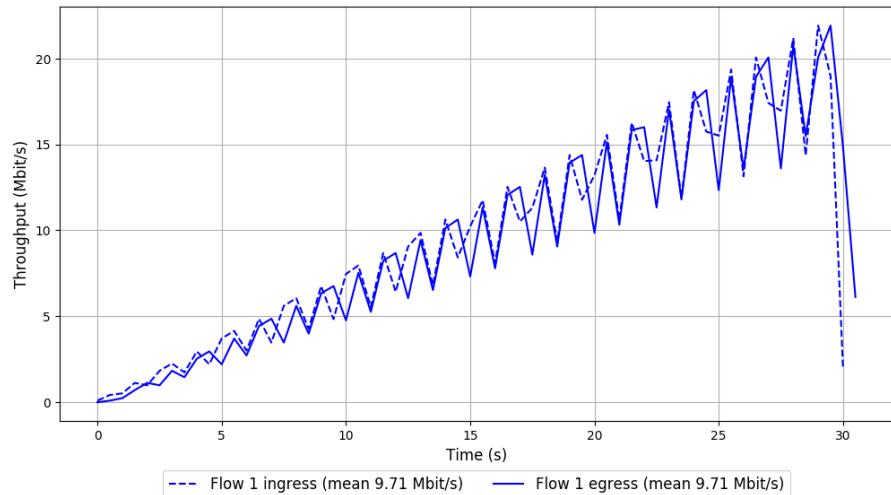


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-30 13:00:00
End at: 2018-05-30 13:00:30
Local clock offset: 1.622 ms
Remote clock offset: -37.205 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 56.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 56.787 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

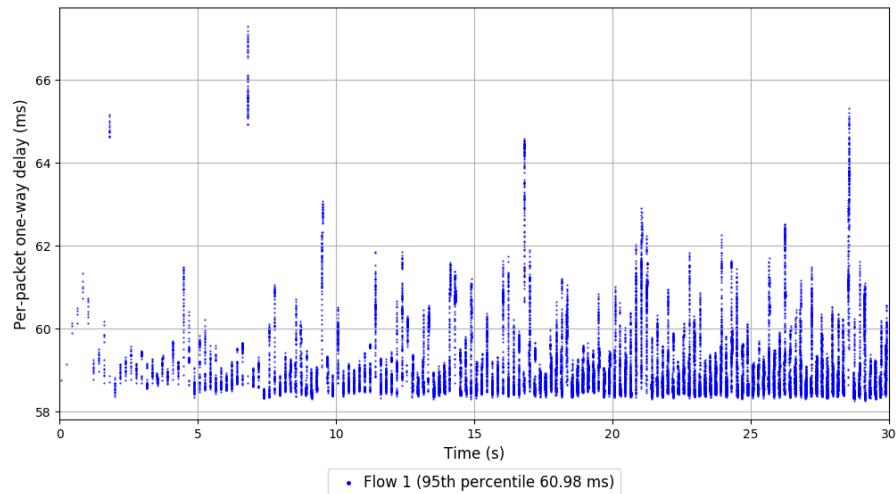
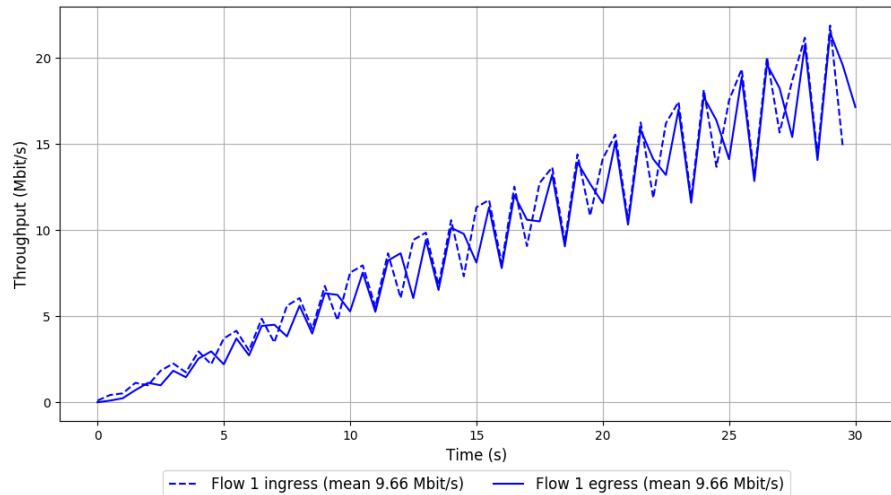


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-30 13:26:04
End at: 2018-05-30 13:26:34
Local clock offset: -1.91 ms
Remote clock offset: -34.674 ms

# Below is generated by plot.py at 2018-05-30 13:58:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 60.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 60.978 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

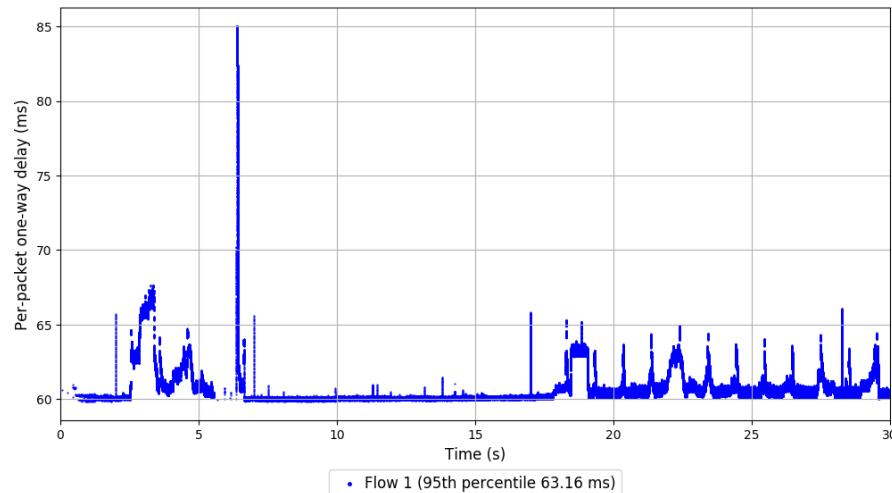
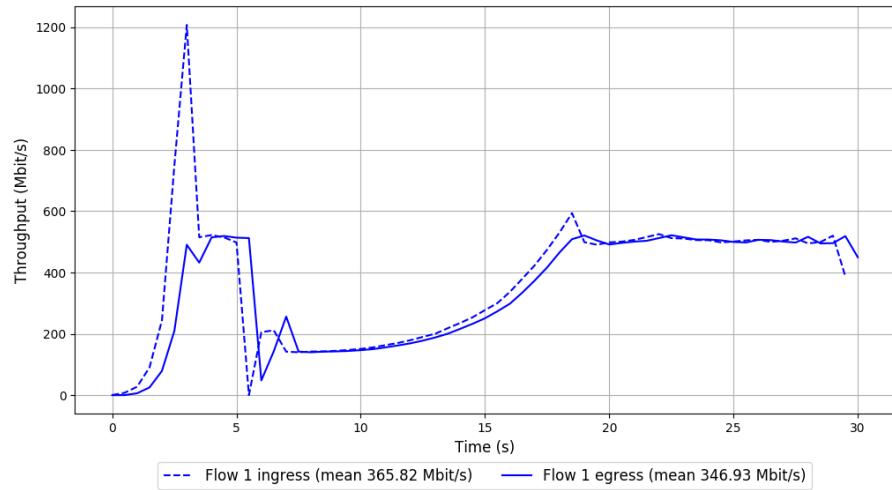


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-05-30 08:28:49
End at: 2018-05-30 08:29:19
Local clock offset: -0.669 ms
Remote clock offset: -39.511 ms

# Below is generated by plot.py at 2018-05-30 14:02:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.93 Mbit/s
95th percentile per-packet one-way delay: 63.162 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 346.93 Mbit/s
95th percentile per-packet one-way delay: 63.162 ms
Loss rate: 5.17%
```

Run 1: Report of PCC-Allegro — Data Link

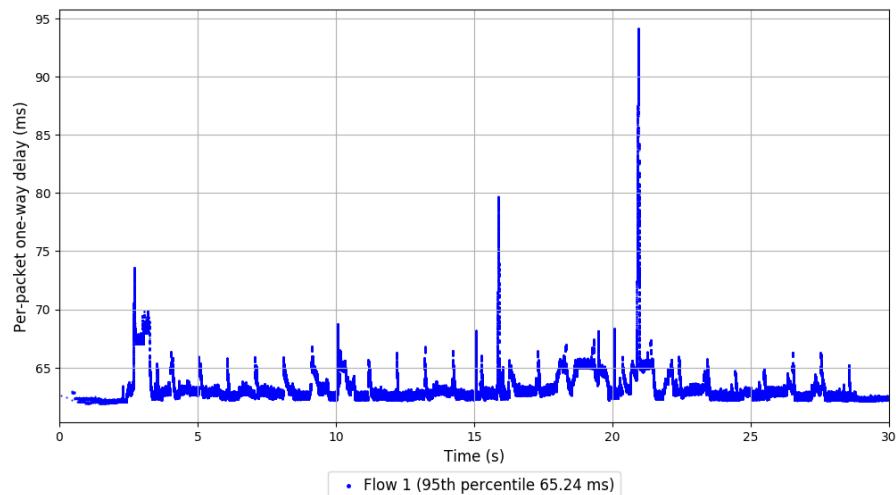
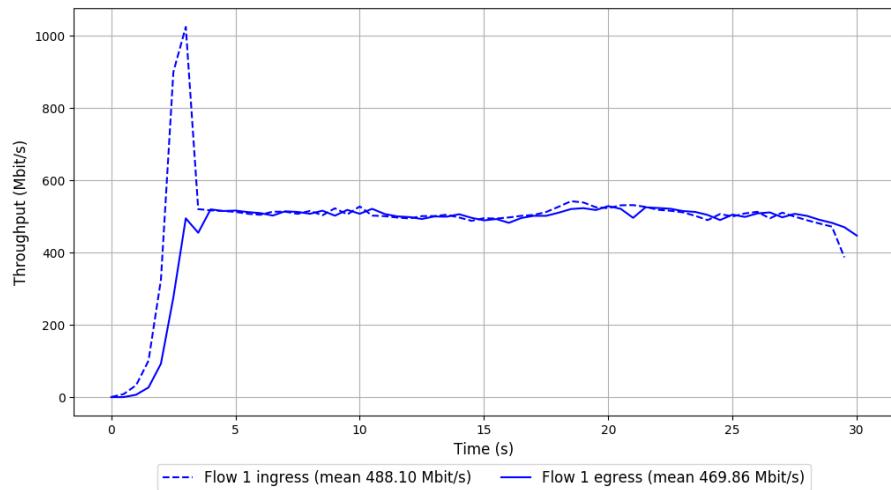


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-30 09:11:28
End at: 2018-05-30 09:11:58
Local clock offset: -0.043 ms
Remote clock offset: -32.372 ms

# Below is generated by plot.py at 2018-05-30 14:03:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 469.86 Mbit/s
95th percentile per-packet one-way delay: 65.237 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 469.86 Mbit/s
95th percentile per-packet one-way delay: 65.237 ms
Loss rate: 3.74%
```

Run 2: Report of PCC-Allegro — Data Link

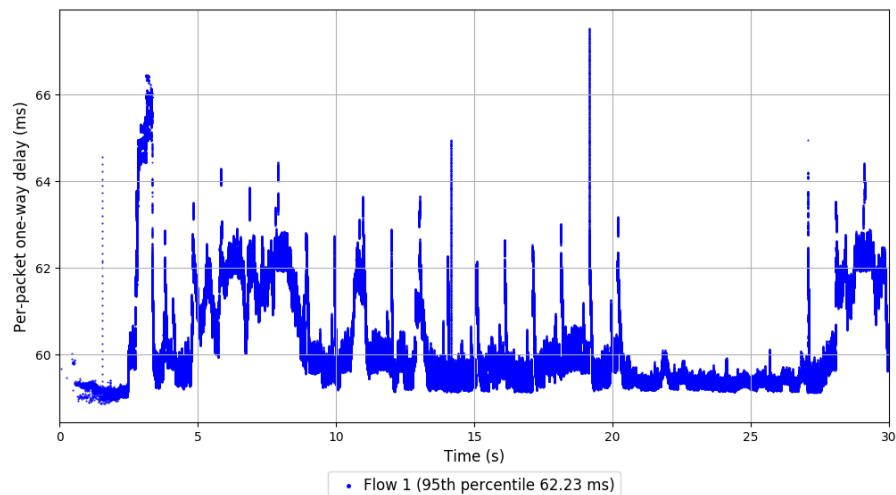
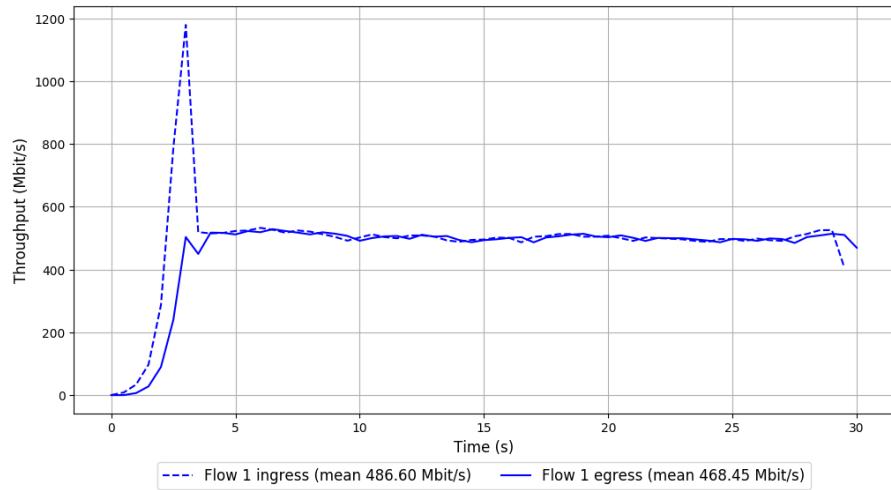


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-30 09:32:04
End at: 2018-05-30 09:32:34
Local clock offset: 1.396 ms
Remote clock offset: -33.422 ms

# Below is generated by plot.py at 2018-05-30 14:03:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 468.45 Mbit/s
95th percentile per-packet one-way delay: 62.235 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 468.45 Mbit/s
95th percentile per-packet one-way delay: 62.235 ms
Loss rate: 3.73%
```

Run 3: Report of PCC-Allegro — Data Link

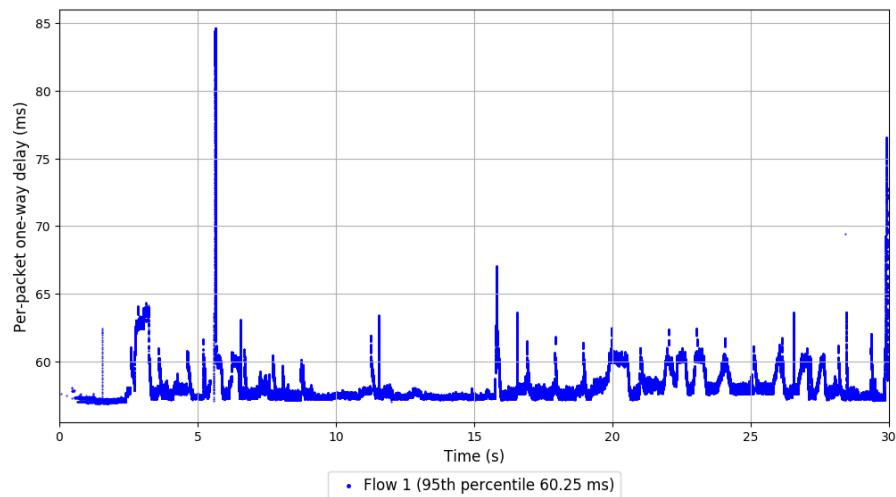
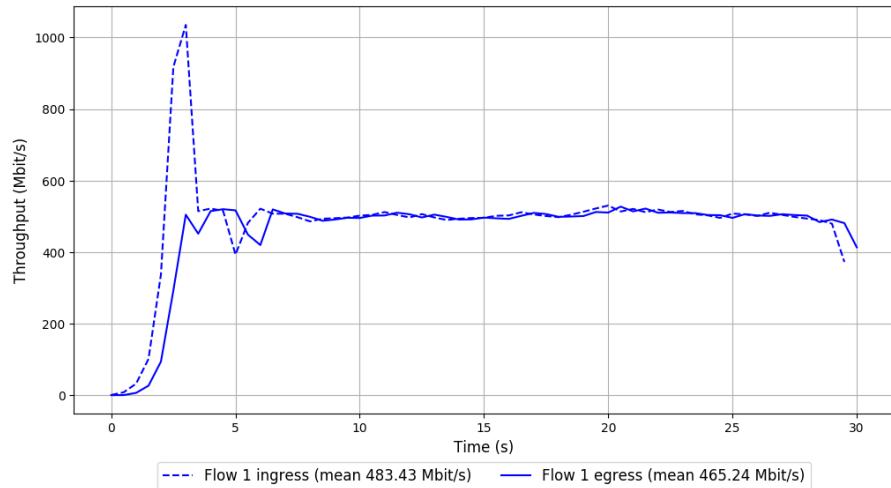


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-30 10:03:53
End at: 2018-05-30 10:04:23
Local clock offset: -2.133 ms
Remote clock offset: -36.978 ms

# Below is generated by plot.py at 2018-05-30 14:04:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 465.24 Mbit/s
95th percentile per-packet one-way delay: 60.248 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 465.24 Mbit/s
95th percentile per-packet one-way delay: 60.248 ms
Loss rate: 3.76%
```

Run 4: Report of PCC-Allegro — Data Link

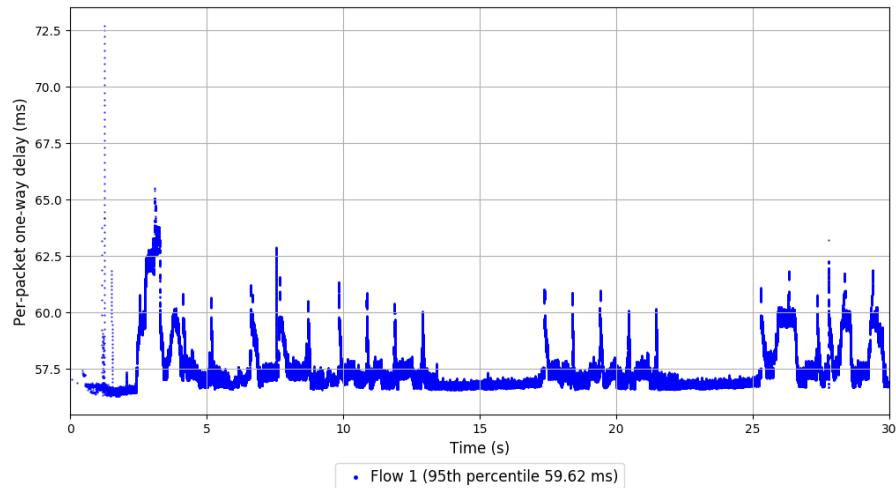
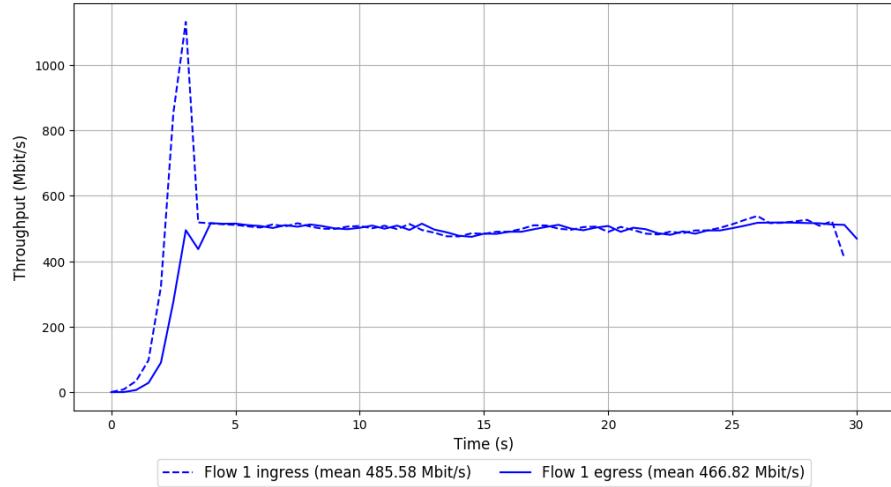


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-30 10:24:31
End at: 2018-05-30 10:25:01
Local clock offset: 1.128 ms
Remote clock offset: -36.414 ms

# Below is generated by plot.py at 2018-05-30 14:04:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 466.82 Mbit/s
95th percentile per-packet one-way delay: 59.618 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 466.82 Mbit/s
95th percentile per-packet one-way delay: 59.618 ms
Loss rate: 3.87%
```

Run 5: Report of PCC-Allegro — Data Link

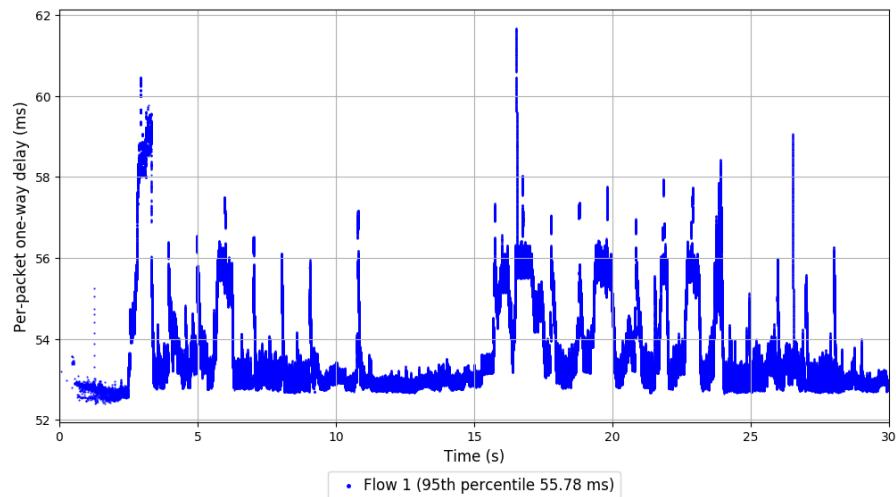
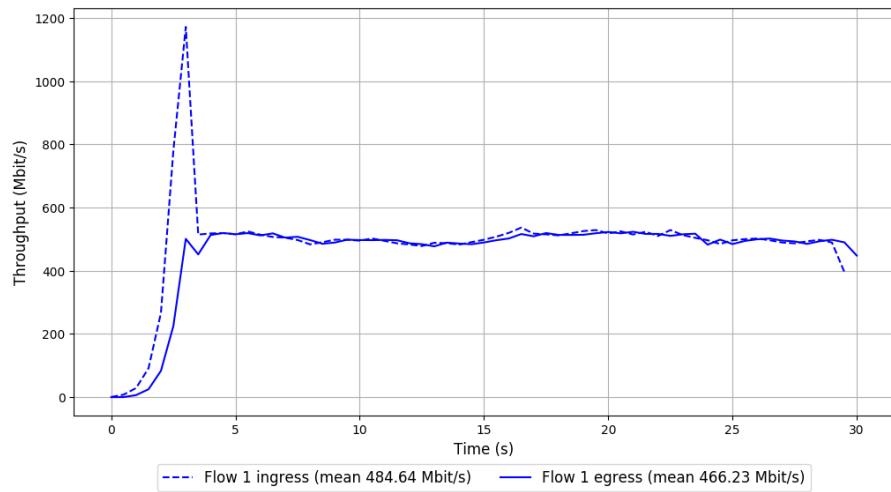


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-30 11:11:33
End at: 2018-05-30 11:12:03
Local clock offset: 2.025 ms
Remote clock offset: -36.041 ms

# Below is generated by plot.py at 2018-05-30 14:04:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 466.23 Mbit/s
95th percentile per-packet one-way delay: 55.785 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 466.23 Mbit/s
95th percentile per-packet one-way delay: 55.785 ms
Loss rate: 3.80%
```

Run 6: Report of PCC-Allegro — Data Link

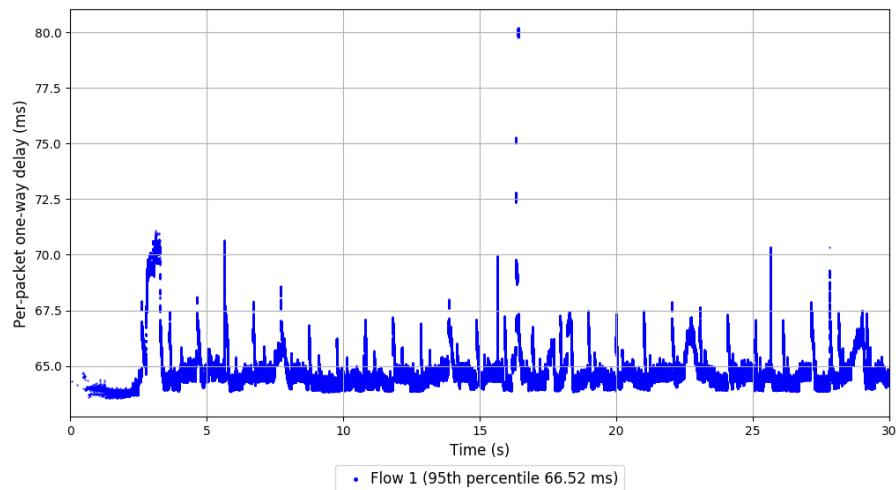
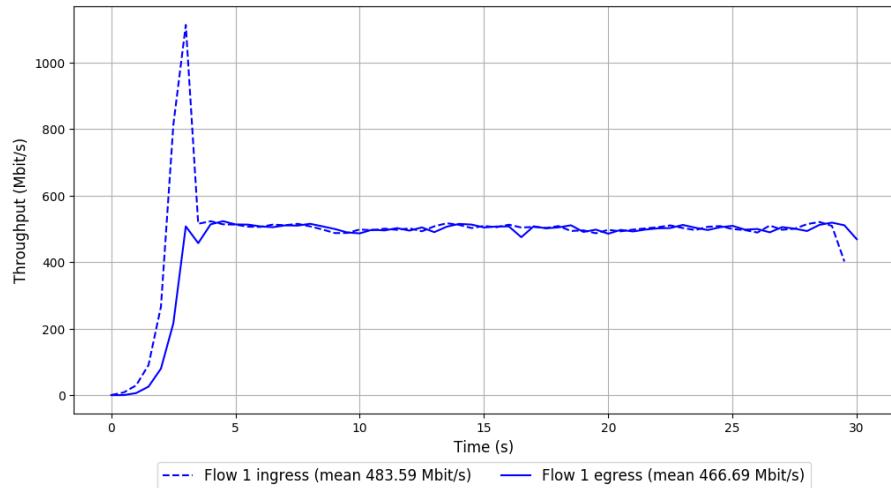


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-30 11:32:13
End at: 2018-05-30 11:32:43
Local clock offset: 1.797 ms
Remote clock offset: -27.372 ms

# Below is generated by plot.py at 2018-05-30 14:04:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 466.69 Mbit/s
95th percentile per-packet one-way delay: 66.519 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 466.69 Mbit/s
95th percentile per-packet one-way delay: 66.519 ms
Loss rate: 3.50%
```

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

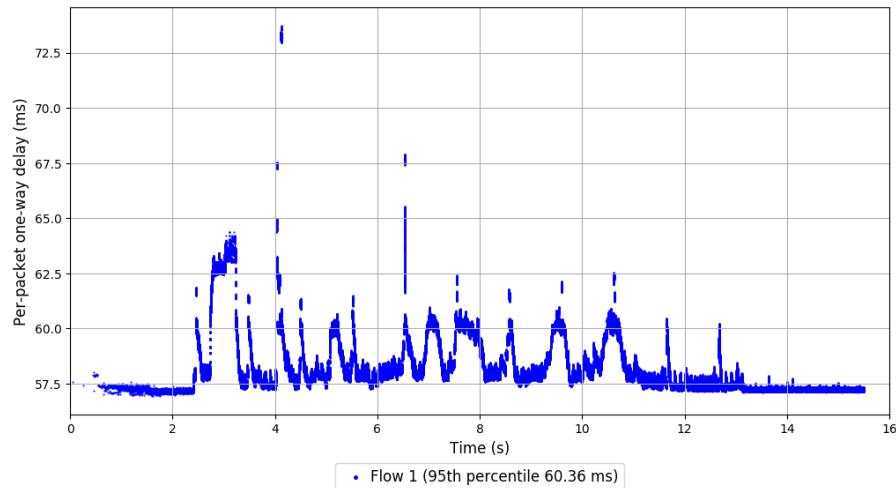
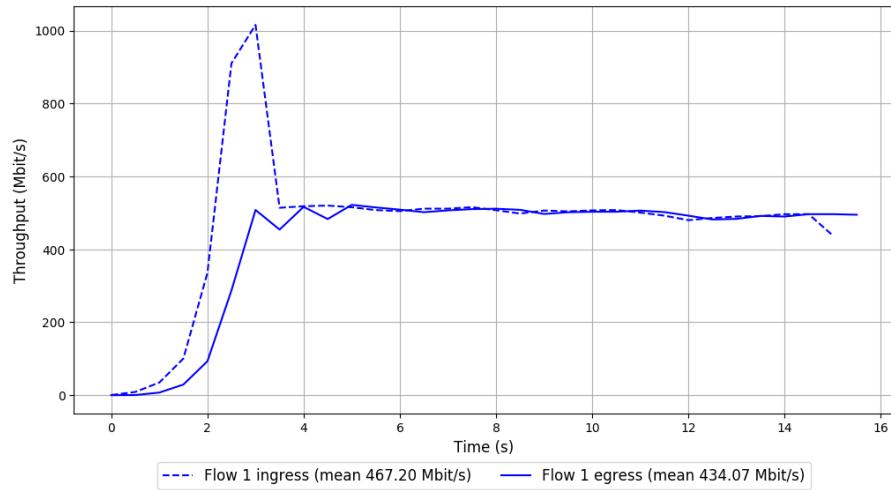
Start at: 2018-05-30 12:02:24

End at: 2018-05-30 12:02:54

Local clock offset: -1.53 ms

Remote clock offset: -35.965 ms

Run 8: Report of PCC-Allegro — Data Link

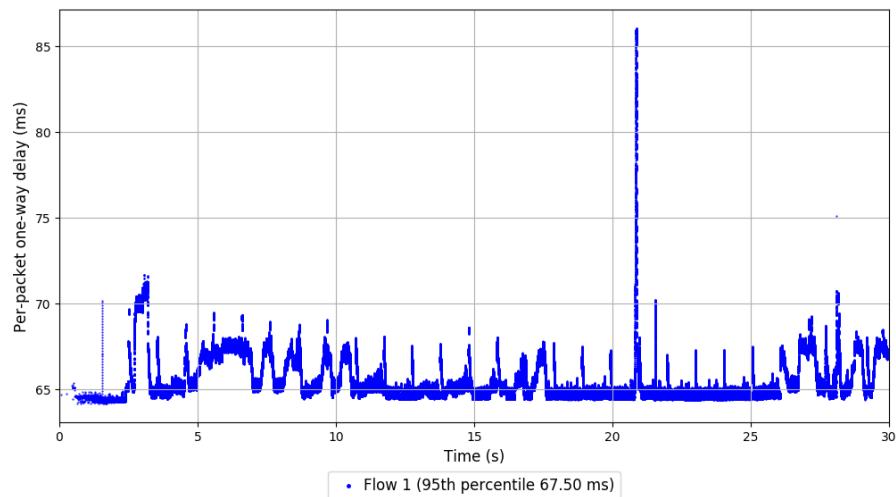
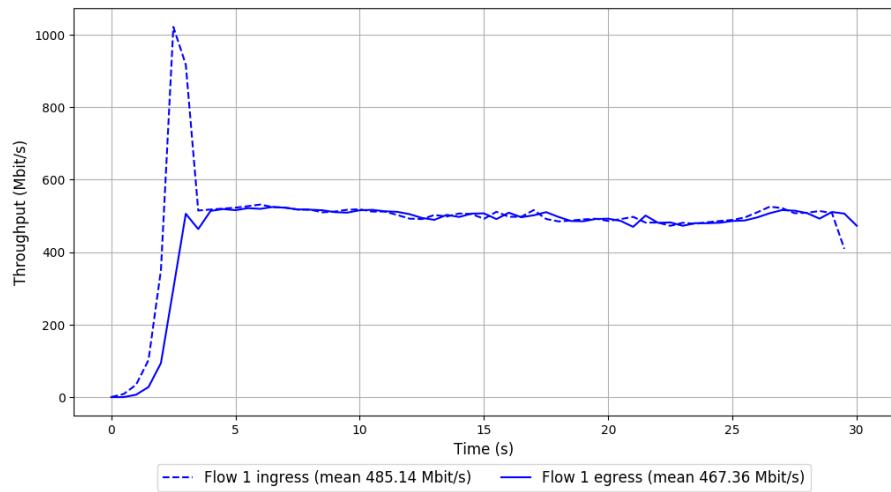


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-30 12:49:22
End at: 2018-05-30 12:49:52
Local clock offset: -1.152 ms
Remote clock offset: -32.097 ms

# Below is generated by plot.py at 2018-05-30 14:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 467.36 Mbit/s
95th percentile per-packet one-way delay: 67.498 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 467.36 Mbit/s
95th percentile per-packet one-way delay: 67.498 ms
Loss rate: 3.66%
```

Run 9: Report of PCC-Allegro — Data Link

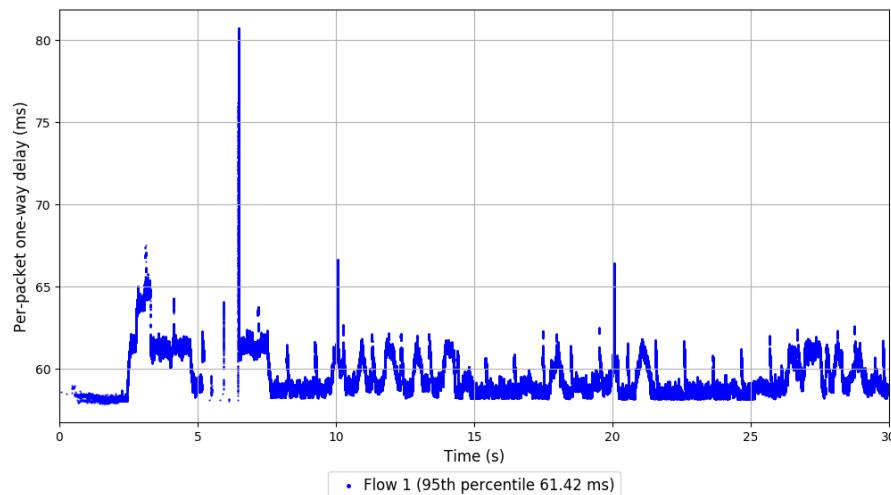
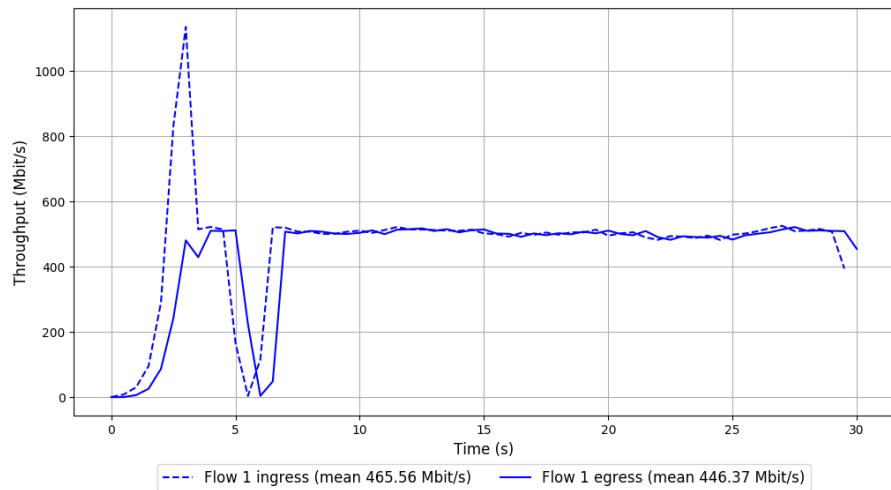


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-30 13:15:29
End at: 2018-05-30 13:15:59
Local clock offset: 1.719 ms
Remote clock offset: -32.289 ms

# Below is generated by plot.py at 2018-05-30 14:08:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 446.37 Mbit/s
95th percentile per-packet one-way delay: 61.423 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 446.37 Mbit/s
95th percentile per-packet one-way delay: 61.423 ms
Loss rate: 4.12%
```

Run 10: Report of PCC-Allegro — Data Link

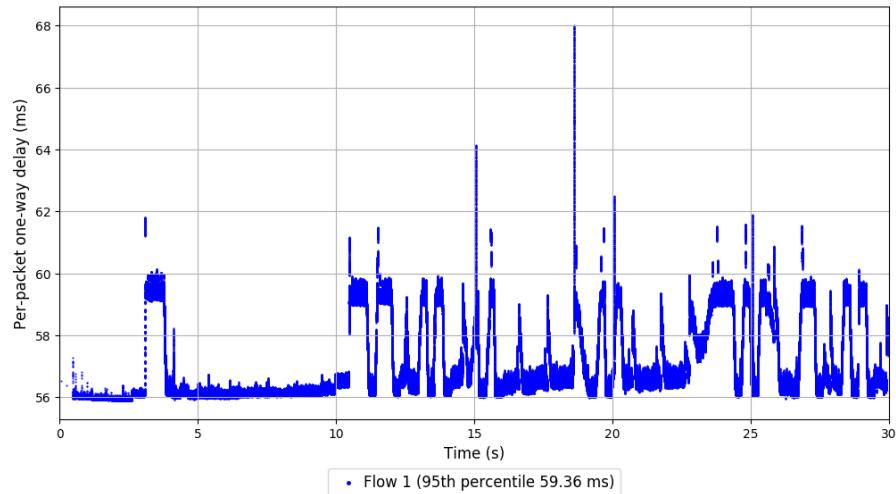
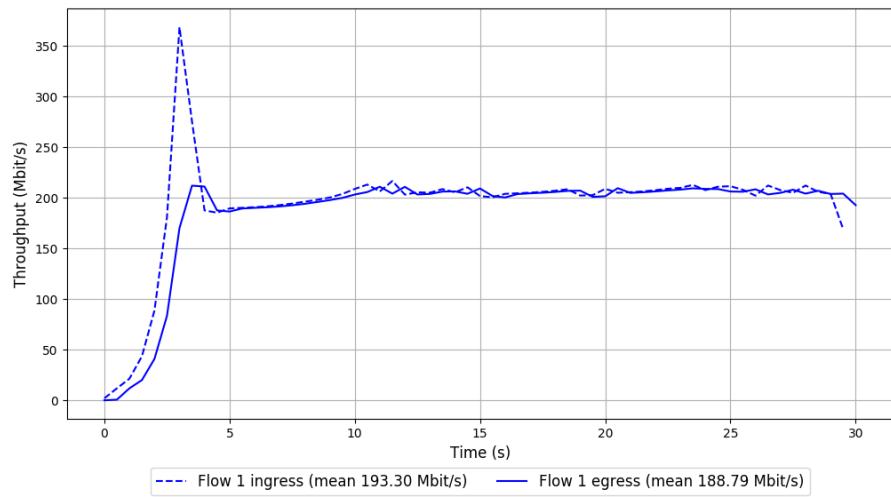


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-30 08:27:21
End at: 2018-05-30 08:27:51
Local clock offset: -1.496 ms
Remote clock offset: -42.1 ms

# Below is generated by plot.py at 2018-05-30 14:08:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.79 Mbit/s
95th percentile per-packet one-way delay: 59.363 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 188.79 Mbit/s
95th percentile per-packet one-way delay: 59.363 ms
Loss rate: 2.33%
```

Run 1: Report of PCC-Expr — Data Link

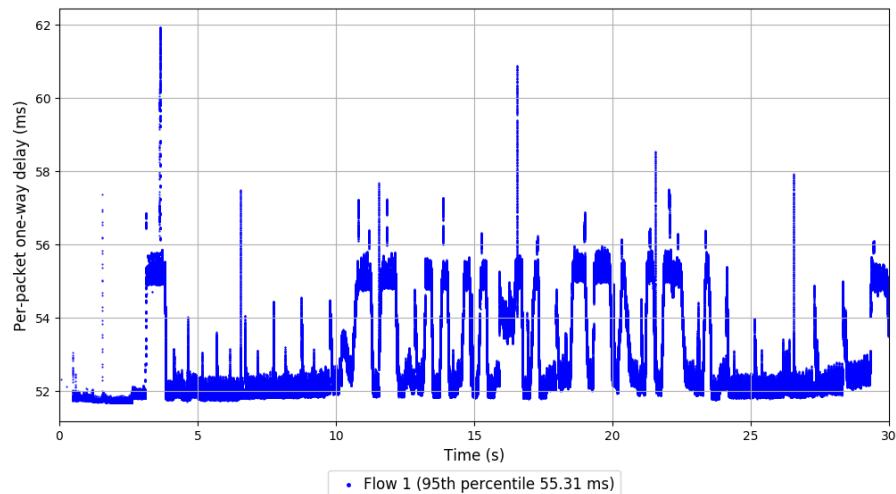
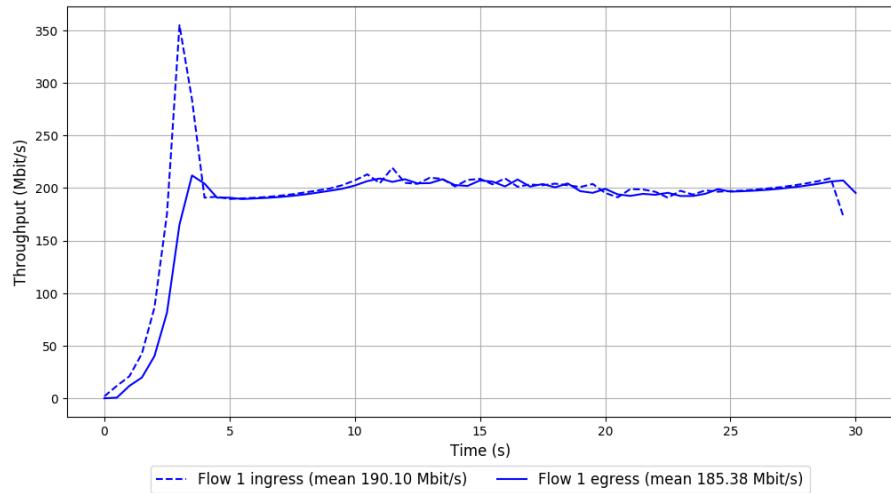


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-30 09:10:01
End at: 2018-05-30 09:10:31
Local clock offset: 1.548 ms
Remote clock offset: -43.425 ms

# Below is generated by plot.py at 2018-05-30 14:08:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.38 Mbit/s
95th percentile per-packet one-way delay: 55.312 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 185.38 Mbit/s
95th percentile per-packet one-way delay: 55.312 ms
Loss rate: 2.49%
```

Run 2: Report of PCC-Expr — Data Link

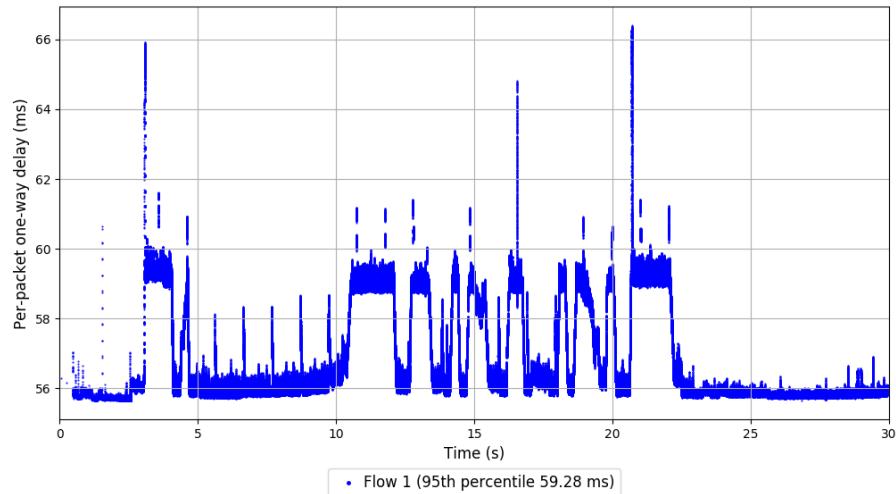
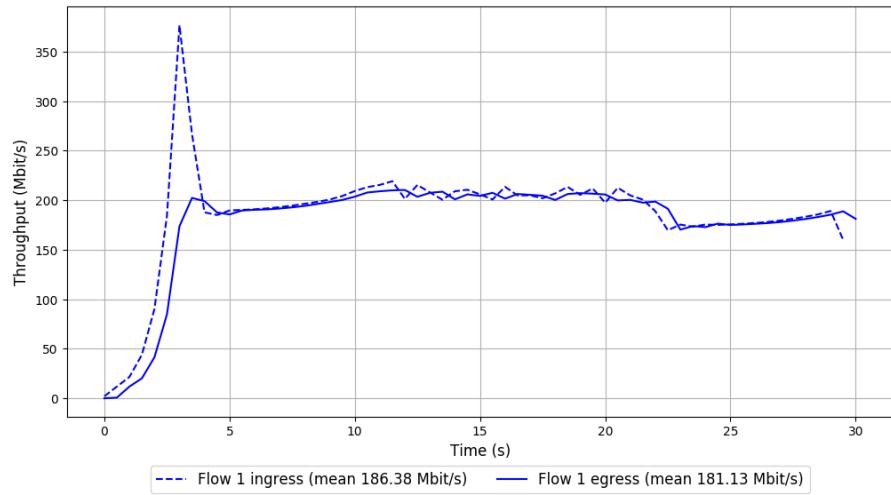


```
Run 3: Statistics of PCC-Expr
```

```
Start at: 2018-05-30 09:30:38
End at: 2018-05-30 09:31:08
Local clock offset: -0.042 ms
Remote clock offset: -38.507 ms

# Below is generated by plot.py at 2018-05-30 14:08:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.13 Mbit/s
95th percentile per-packet one-way delay: 59.284 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 181.13 Mbit/s
95th percentile per-packet one-way delay: 59.284 ms
Loss rate: 2.82%
```

Run 3: Report of PCC-Expr — Data Link

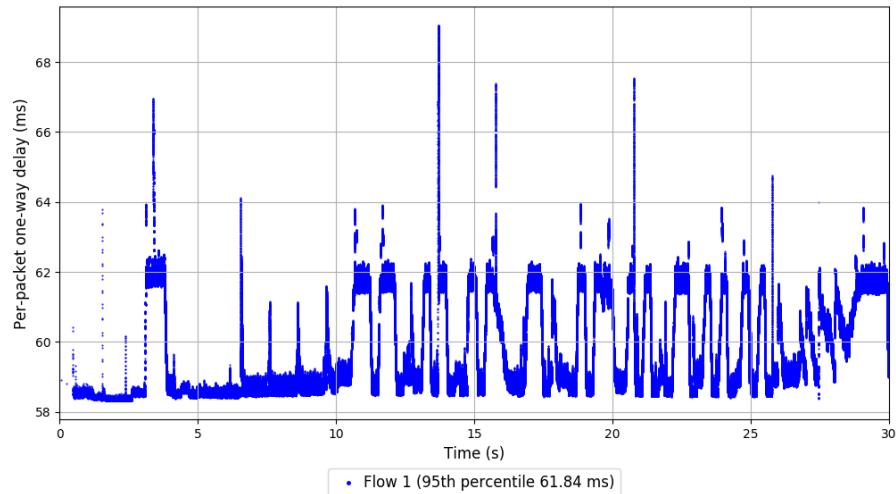
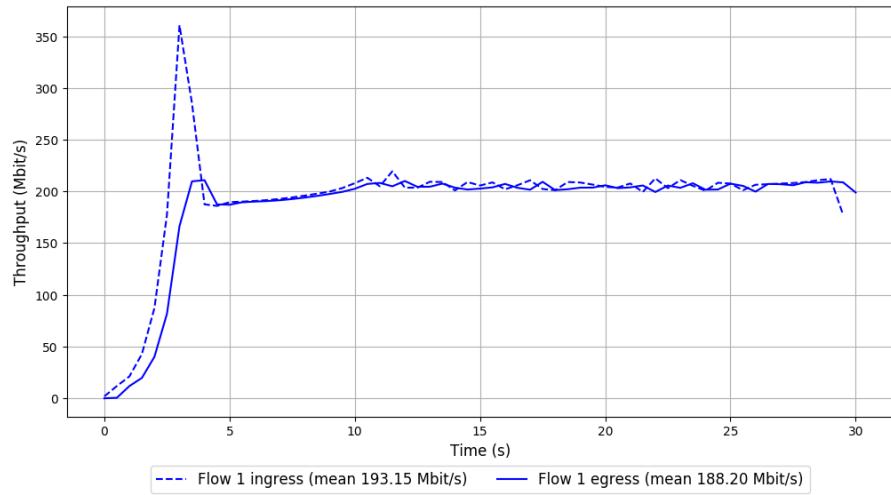


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-30 09:56:58
End at: 2018-05-30 09:57:28
Local clock offset: -1.887 ms
Remote clock offset: -35.817 ms

# Below is generated by plot.py at 2018-05-30 14:08:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.20 Mbit/s
95th percentile per-packet one-way delay: 61.843 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 188.20 Mbit/s
95th percentile per-packet one-way delay: 61.843 ms
Loss rate: 2.56%
```

Run 4: Report of PCC-Expr — Data Link

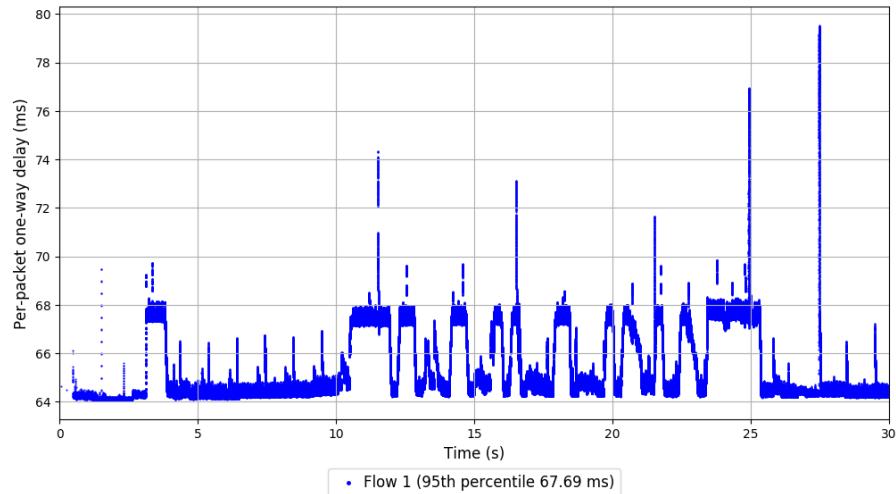
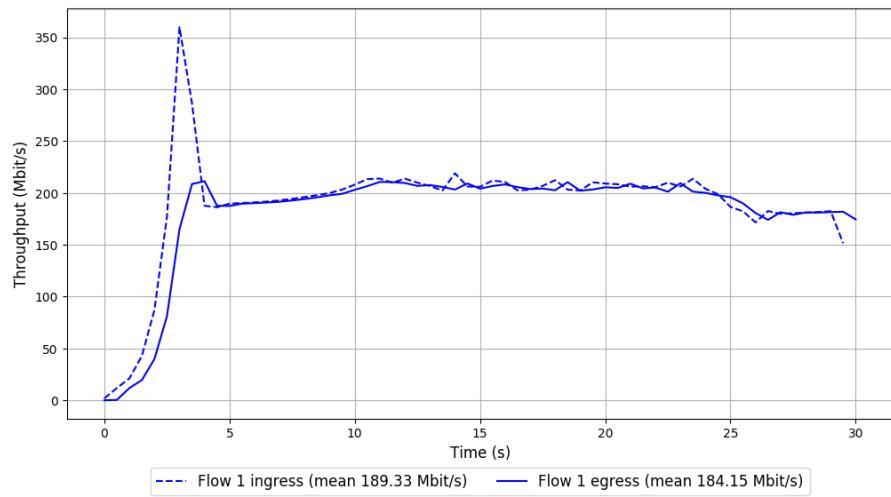


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-30 10:23:04
End at: 2018-05-30 10:23:34
Local clock offset: -2.081 ms
Remote clock offset: -32.248 ms

# Below is generated by plot.py at 2018-05-30 14:08:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.15 Mbit/s
95th percentile per-packet one-way delay: 67.695 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 184.15 Mbit/s
95th percentile per-packet one-way delay: 67.695 ms
Loss rate: 2.75%
```

Run 5: Report of PCC-Expr — Data Link

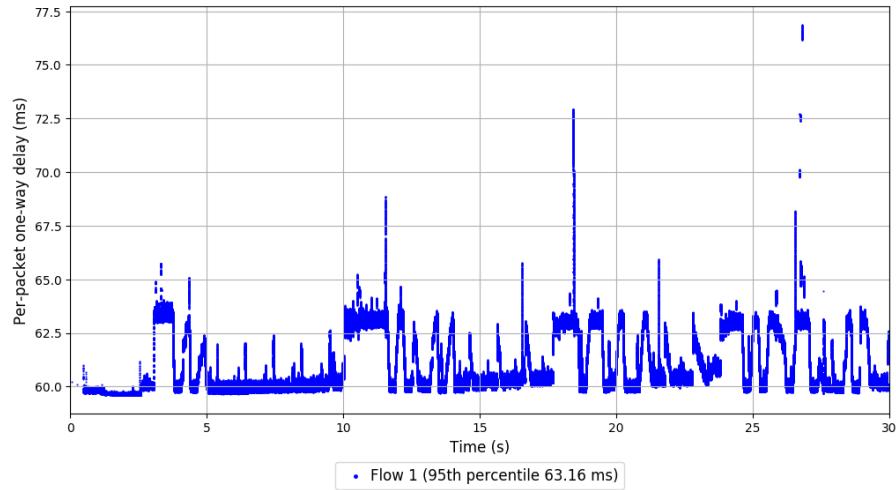
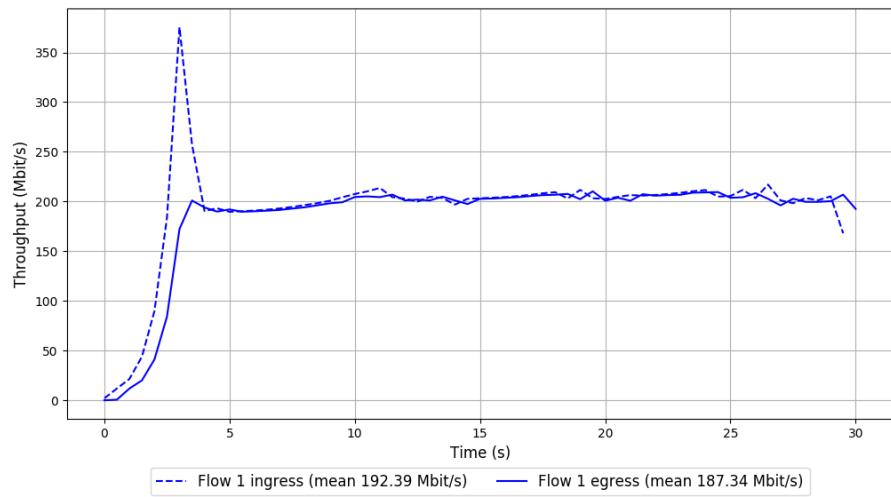


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-30 11:10:04
End at: 2018-05-30 11:10:34
Local clock offset: -1.084 ms
Remote clock offset: -32.251 ms

# Below is generated by plot.py at 2018-05-30 14:08:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.34 Mbit/s
95th percentile per-packet one-way delay: 63.159 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 187.34 Mbit/s
95th percentile per-packet one-way delay: 63.159 ms
Loss rate: 2.62%
```

Run 6: Report of PCC-Expr — Data Link

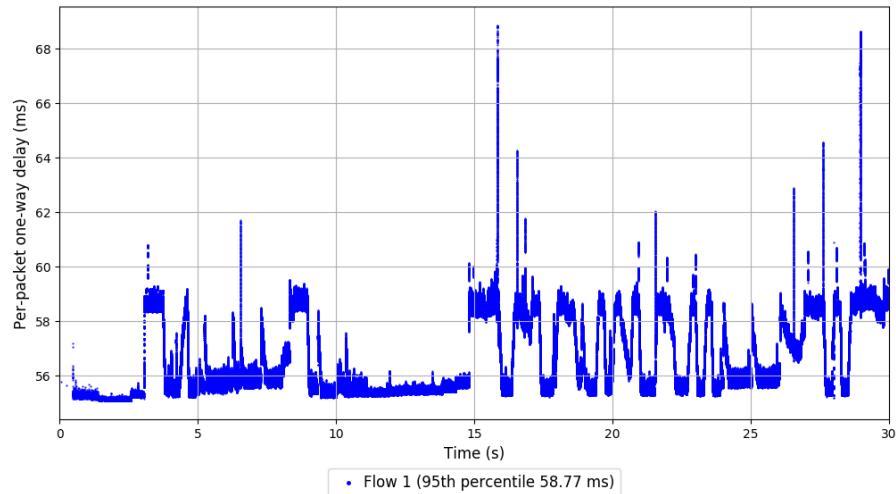
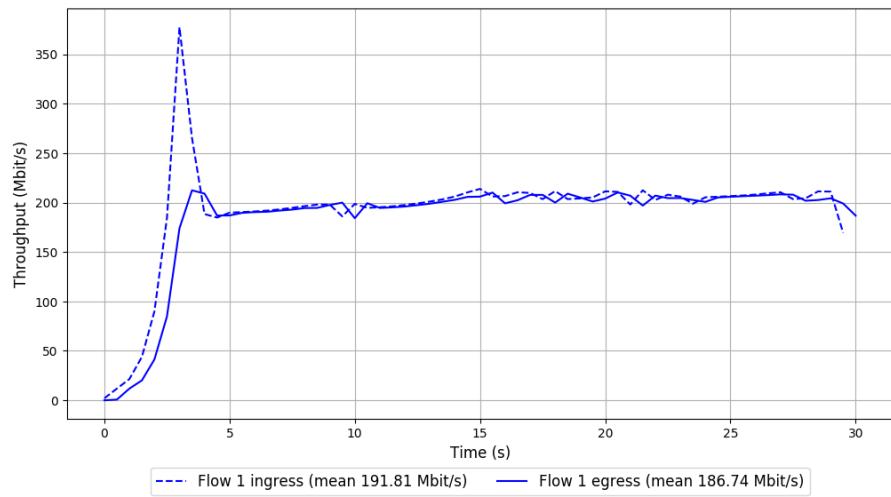


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-30 11:30:46
End at: 2018-05-30 11:31:16
Local clock offset: 3.29 ms
Remote clock offset: -34.066 ms

# Below is generated by plot.py at 2018-05-30 14:12:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.74 Mbit/s
95th percentile per-packet one-way delay: 58.767 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 186.74 Mbit/s
95th percentile per-packet one-way delay: 58.767 ms
Loss rate: 2.63%
```

Run 7: Report of PCC-Expr — Data Link

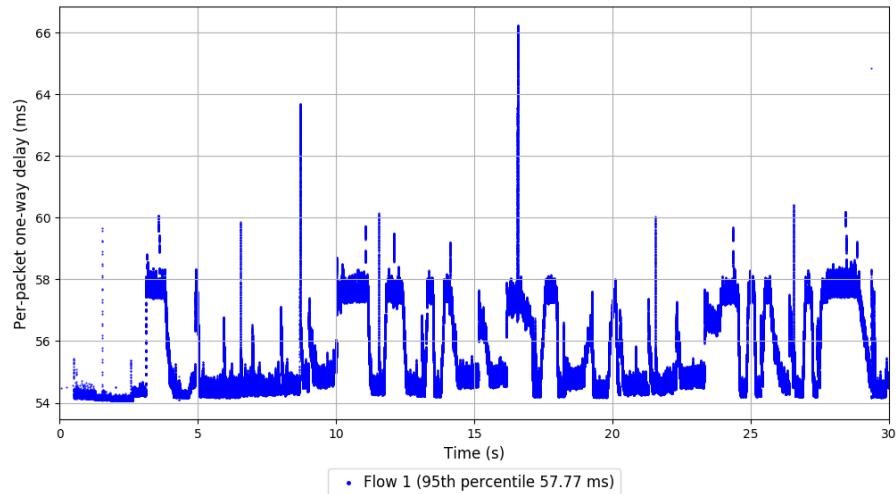
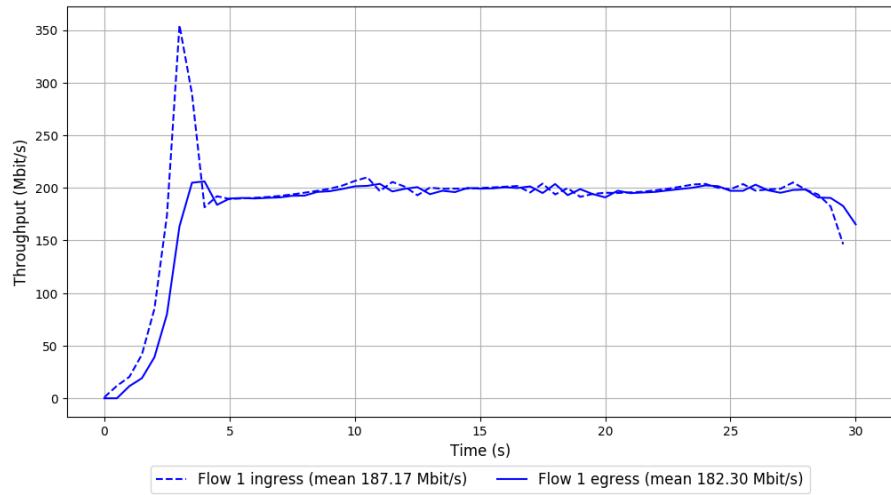


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-30 12:00:58
End at: 2018-05-30 12:01:28
Local clock offset: 3.041 ms
Remote clock offset: -34.549 ms

# Below is generated by plot.py at 2018-05-30 14:12:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.30 Mbit/s
95th percentile per-packet one-way delay: 57.766 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 182.30 Mbit/s
95th percentile per-packet one-way delay: 57.766 ms
Loss rate: 2.60%
```

Run 8: Report of PCC-Expr — Data Link

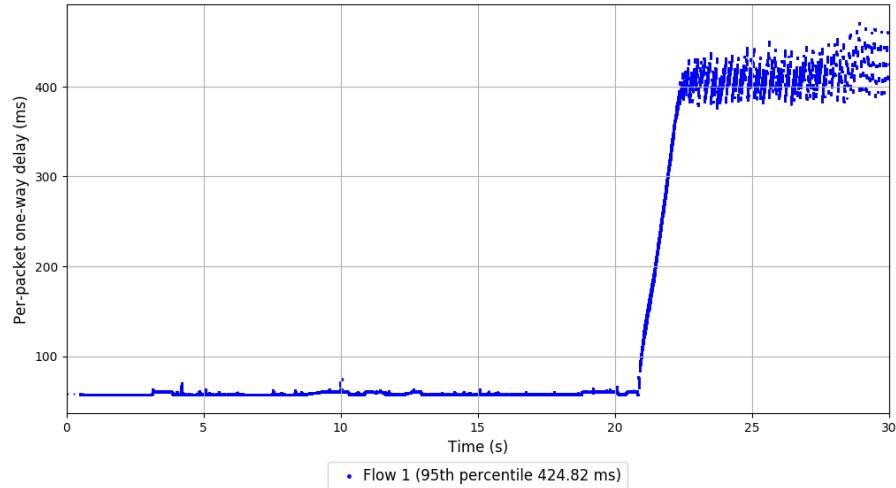
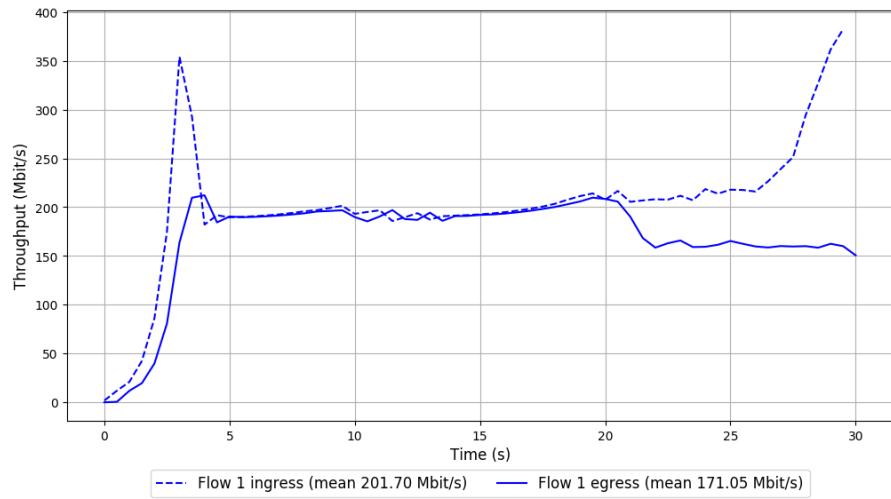


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-30 12:42:17
End at: 2018-05-30 12:42:47
Local clock offset: 1.527 ms
Remote clock offset: -36.494 ms

# Below is generated by plot.py at 2018-05-30 14:12:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 171.05 Mbit/s
95th percentile per-packet one-way delay: 424.816 ms
Loss rate: 15.19%
-- Flow 1:
Average throughput: 171.05 Mbit/s
95th percentile per-packet one-way delay: 424.816 ms
Loss rate: 15.19%
```

Run 9: Report of PCC-Expr — Data Link

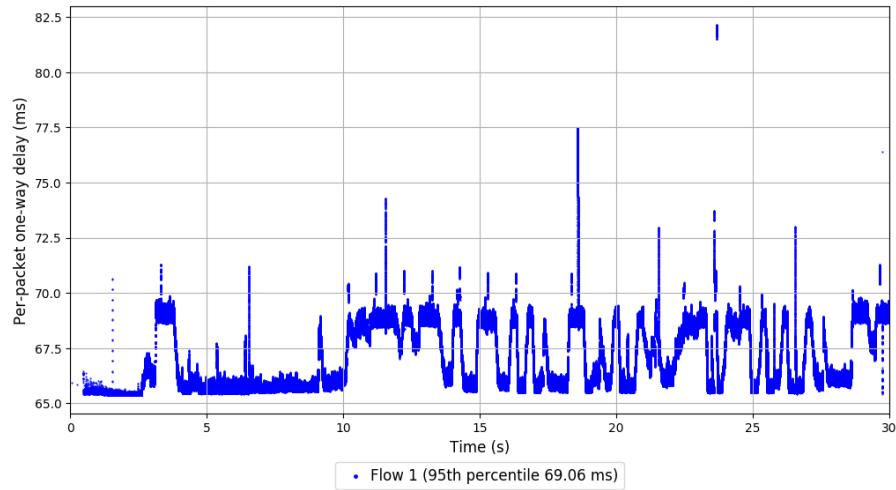
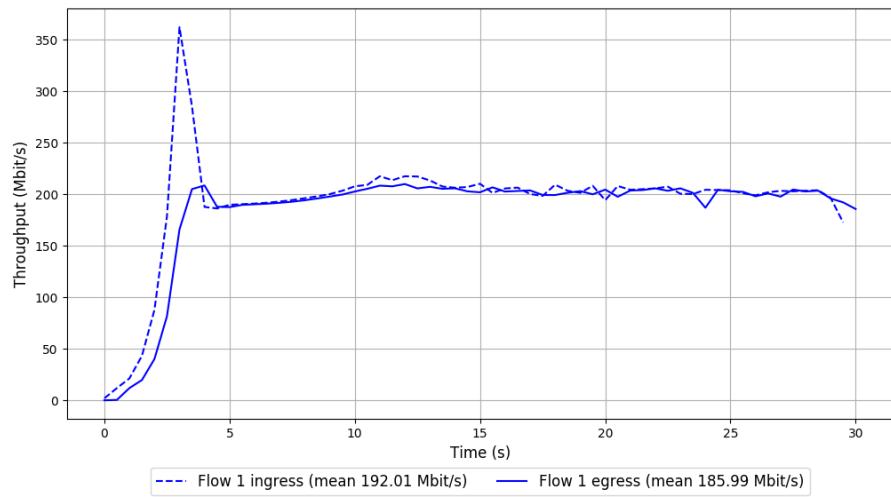


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-30 13:14:02
End at: 2018-05-30 13:14:32
Local clock offset: -0.428 ms
Remote clock offset: -29.906 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.99 Mbit/s
95th percentile per-packet one-way delay: 69.055 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 185.99 Mbit/s
95th percentile per-packet one-way delay: 69.055 ms
Loss rate: 3.14%
```

Run 10: Report of PCC-Expr — Data Link

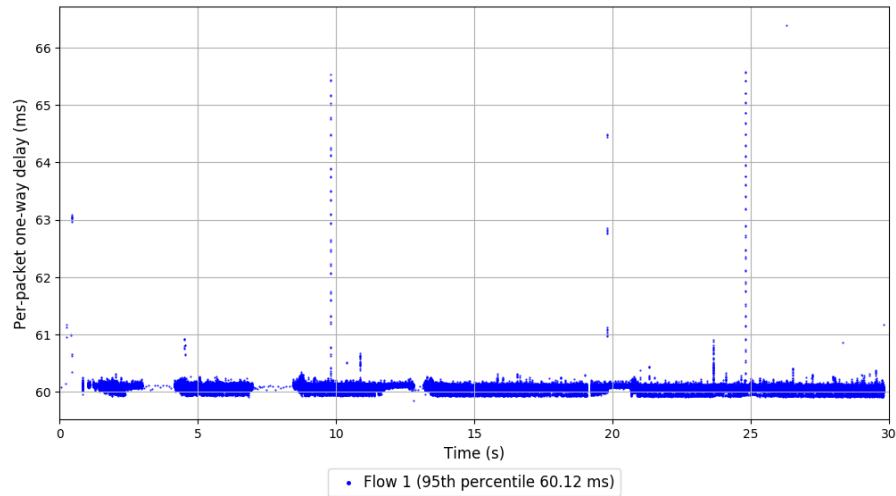
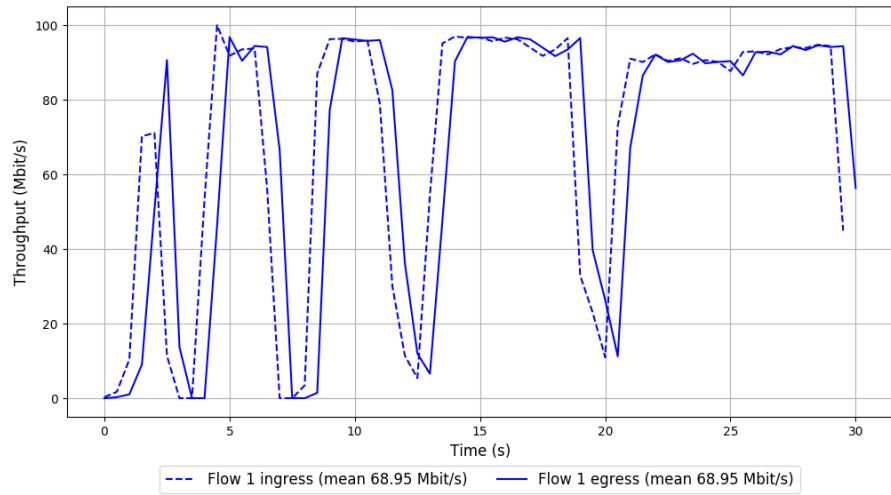


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-30 08:50:04
End at: 2018-05-30 08:50:34
Local clock offset: -0.158 ms
Remote clock offset: -35.526 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.95 Mbit/s
95th percentile per-packet one-way delay: 60.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.95 Mbit/s
95th percentile per-packet one-way delay: 60.123 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

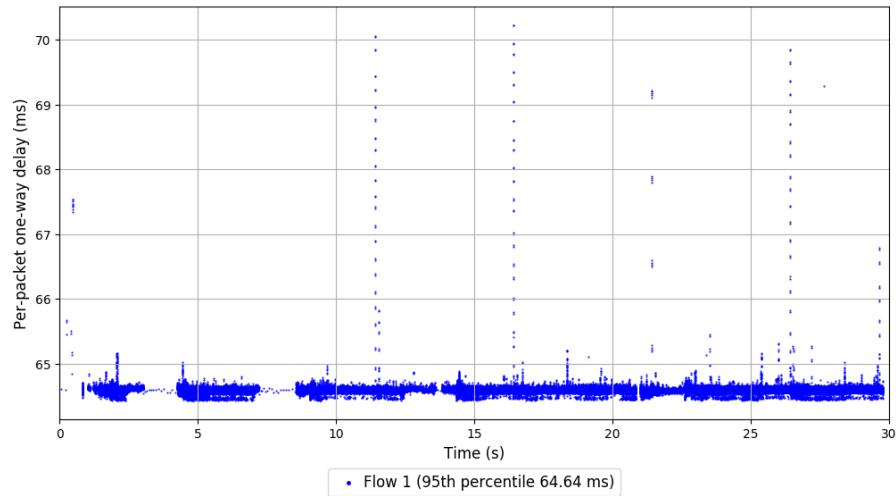
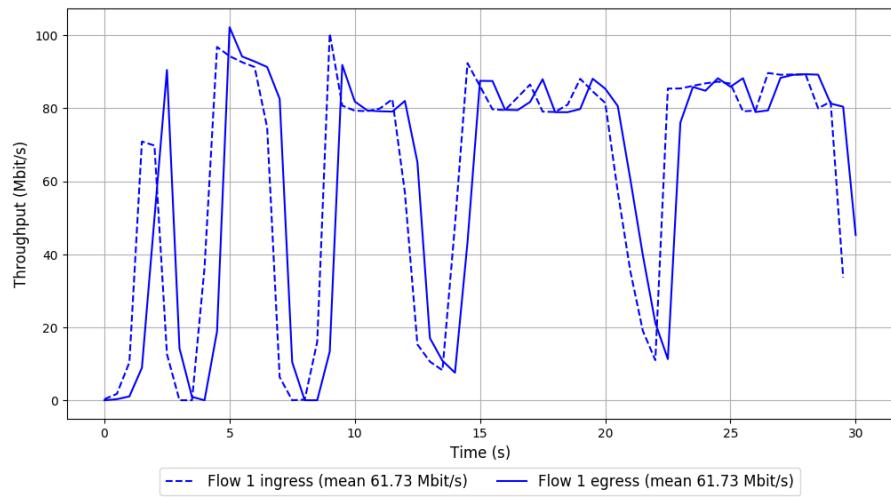


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-30 09:21:38
End at: 2018-05-30 09:22:08
Local clock offset: 1.042 ms
Remote clock offset: -28.646 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 64.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 64.641 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

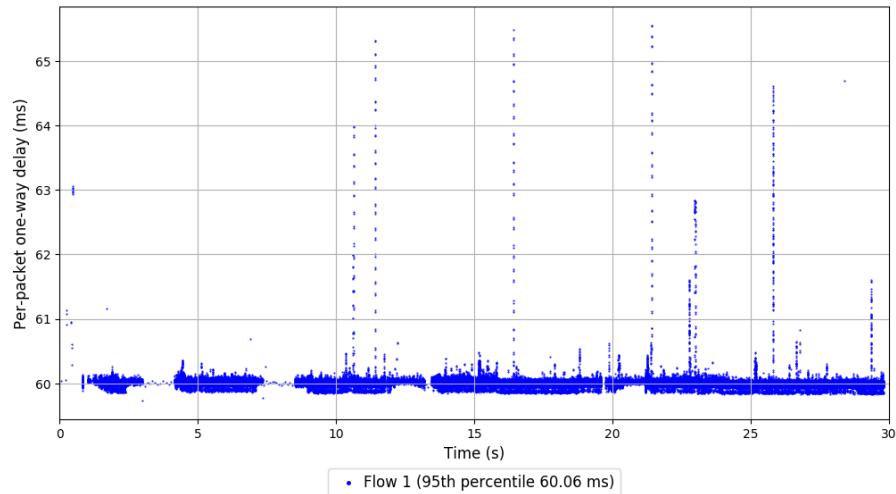
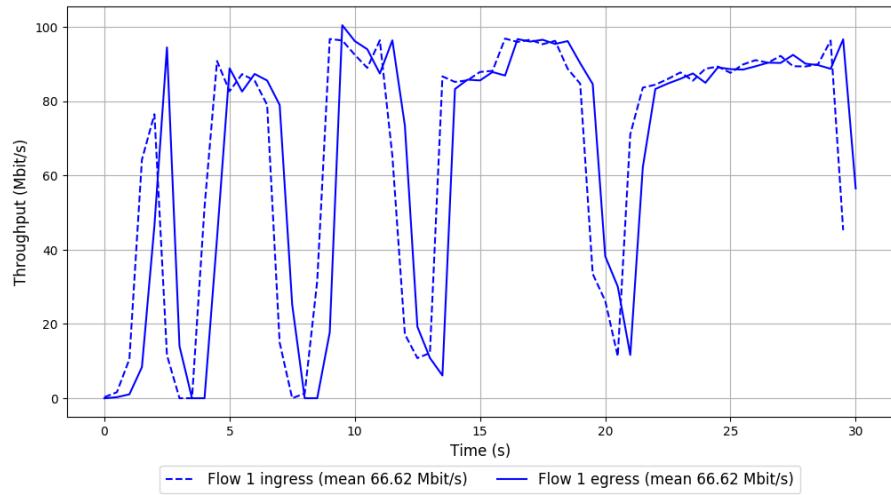


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-30 09:47:43
End at: 2018-05-30 09:48:13
Local clock offset: 0.414 ms
Remote clock offset: -32.977 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 60.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 60.058 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

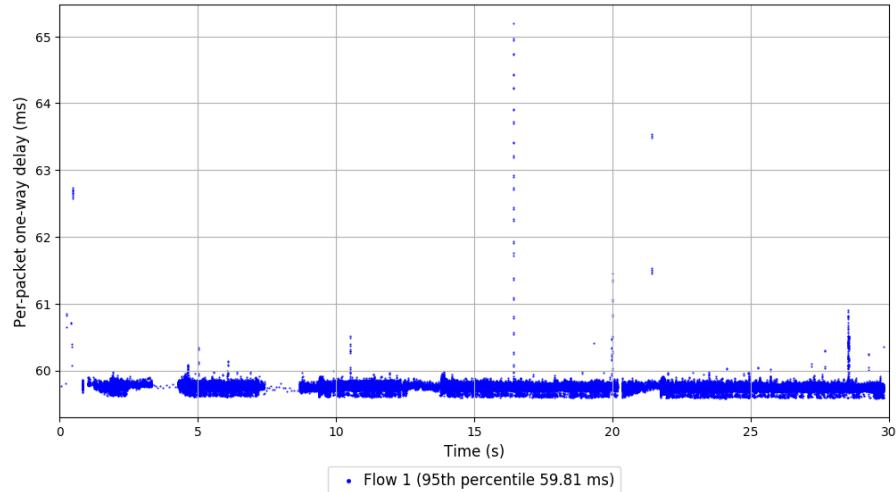
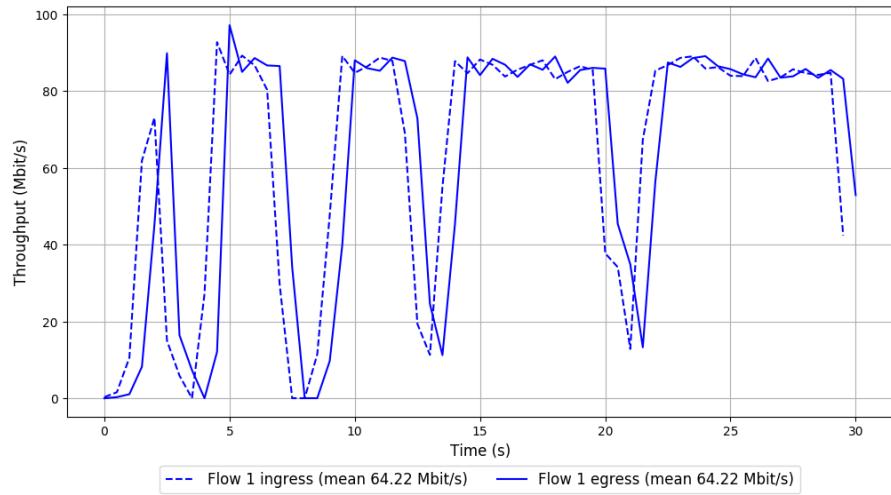


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-30 10:14:02
End at: 2018-05-30 10:14:32
Local clock offset: -2.597 ms
Remote clock offset: -36.572 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 59.807 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 59.807 ms
Loss rate: 0.01%
```

Run 4: Report of QUIC Cubic — Data Link

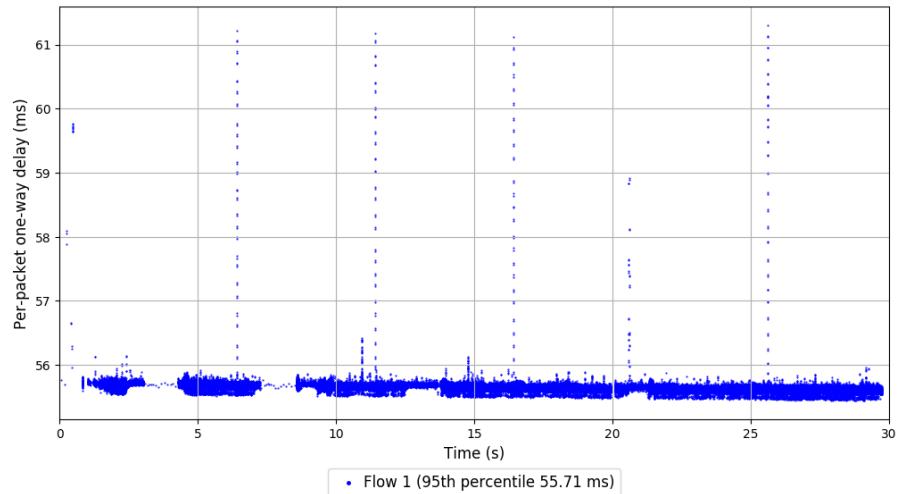
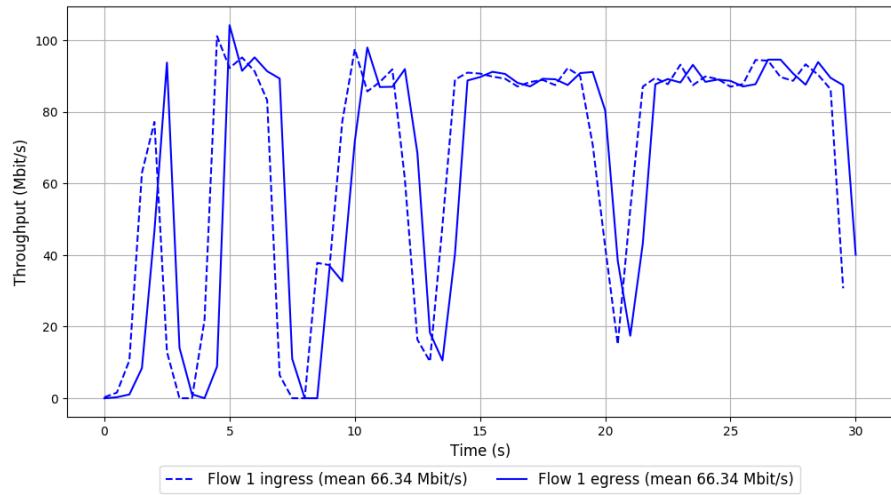


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-30 10:49:58
End at: 2018-05-30 10:50:28
Local clock offset: 2.976 ms
Remote clock offset: -33.81 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.34 Mbit/s
95th percentile per-packet one-way delay: 55.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.34 Mbit/s
95th percentile per-packet one-way delay: 55.714 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

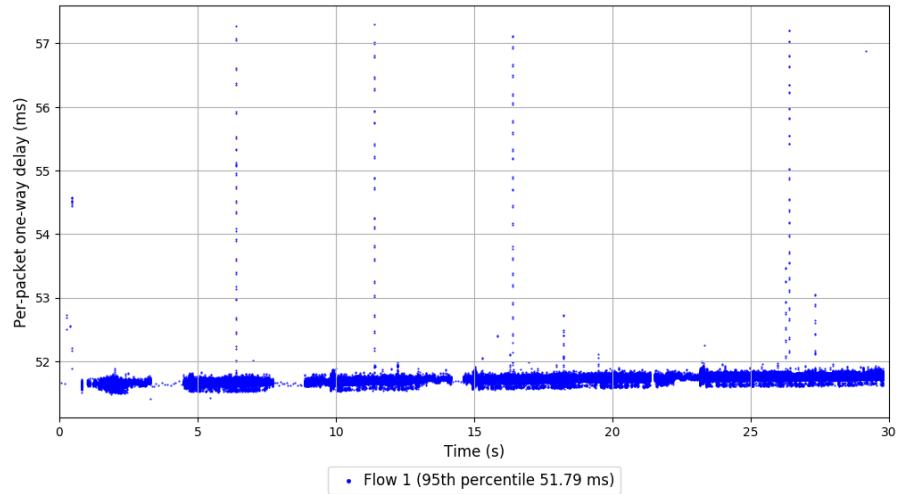
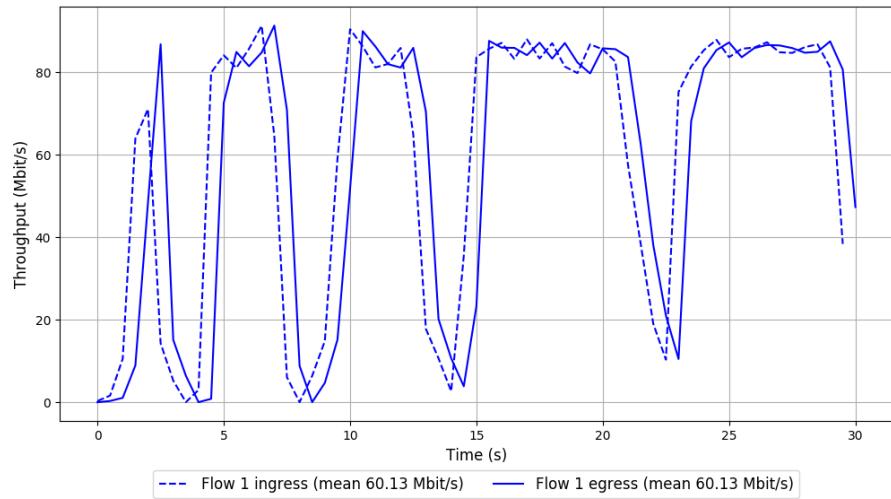


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-30 11:21:41
End at: 2018-05-30 11:22:11
Local clock offset: 0.035 ms
Remote clock offset: -39.492 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 51.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 51.786 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

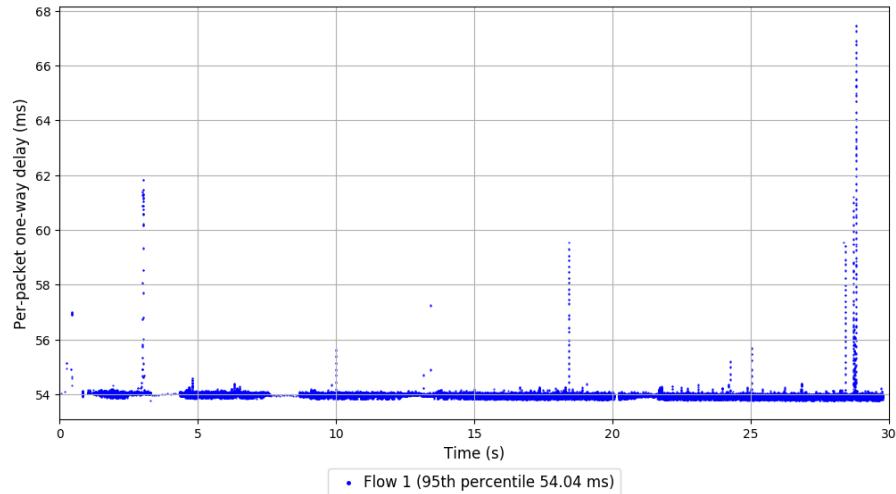
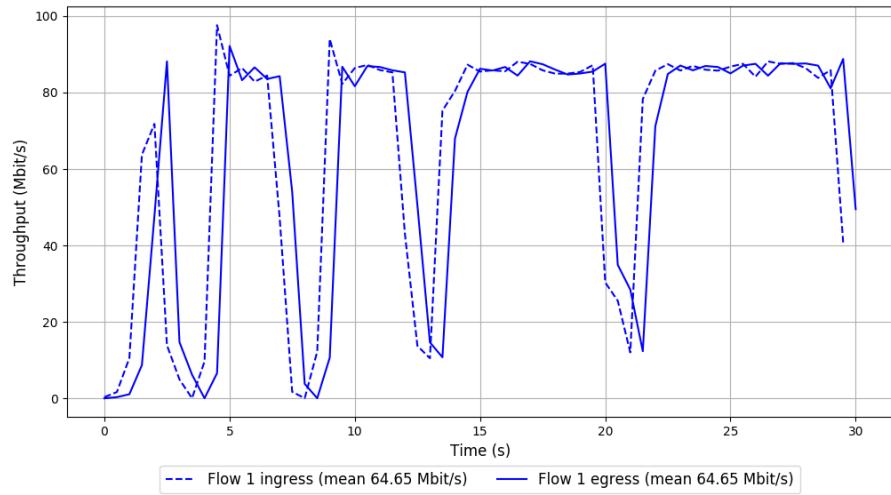


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-30 11:52:00
End at: 2018-05-30 11:52:30
Local clock offset: 3.465 ms
Remote clock offset: -35.723 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 54.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 54.038 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

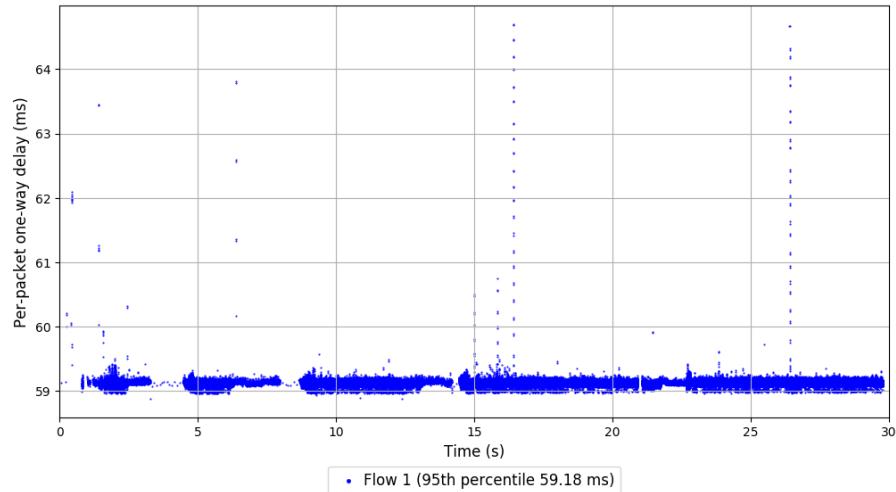
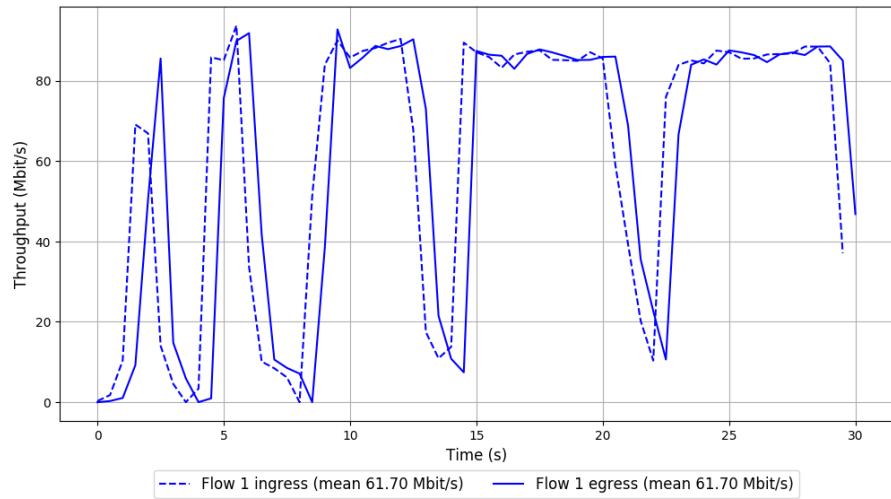


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-30 12:27:35
End at: 2018-05-30 12:28:05
Local clock offset: -0.772 ms
Remote clock offset: -33.781 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 59.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 59.177 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

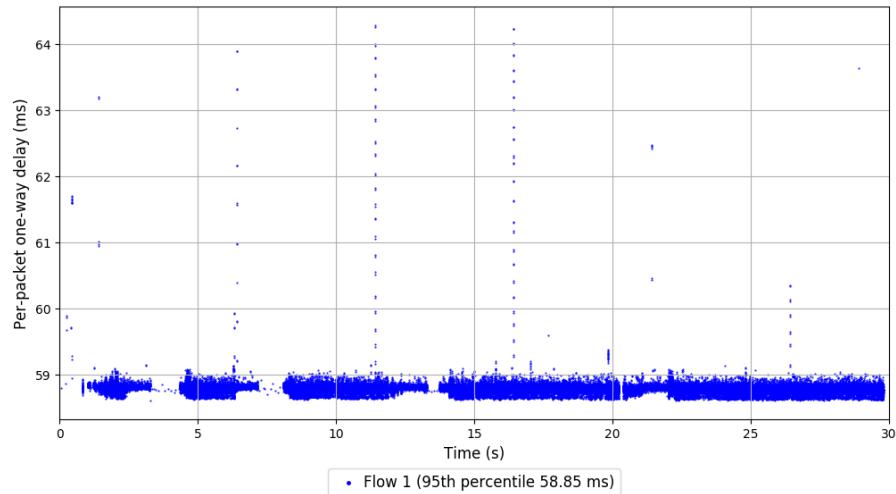
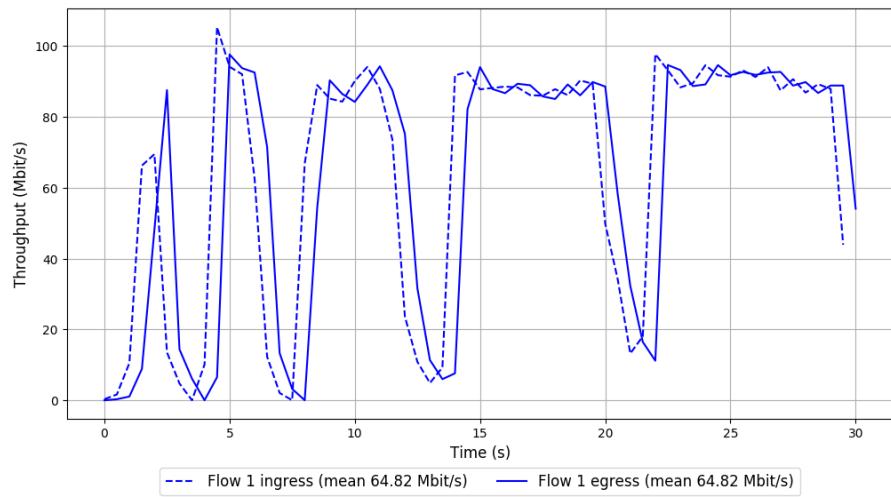


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-30 13:05:04
End at: 2018-05-30 13:05:34
Local clock offset: 1.995 ms
Remote clock offset: -32.11 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.82 Mbit/s
95th percentile per-packet one-way delay: 58.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.82 Mbit/s
95th percentile per-packet one-way delay: 58.852 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

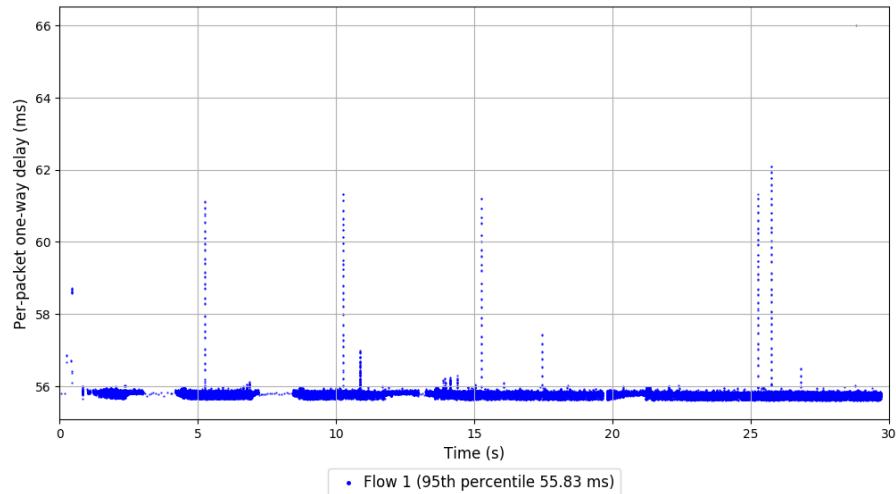
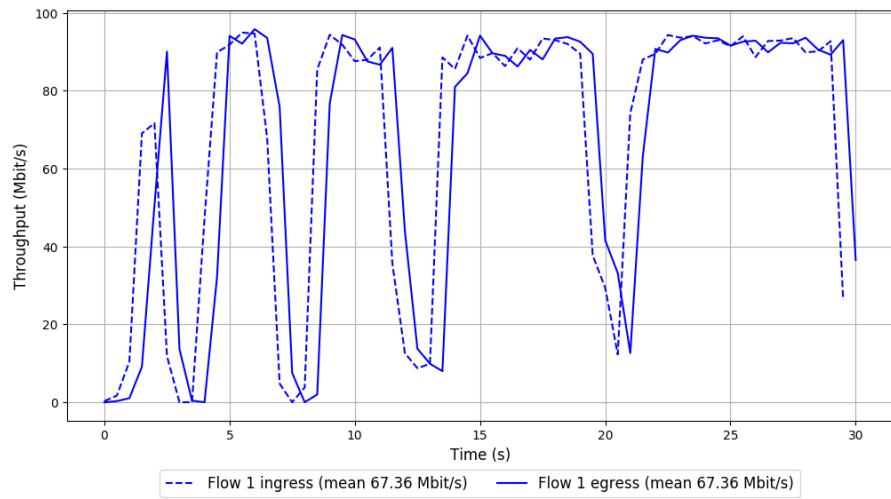


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-30 13:31:09
End at: 2018-05-30 13:31:39
Local clock offset: 0.275 ms
Remote clock offset: -34.347 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.36 Mbit/s
95th percentile per-packet one-way delay: 55.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.36 Mbit/s
95th percentile per-packet one-way delay: 55.830 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

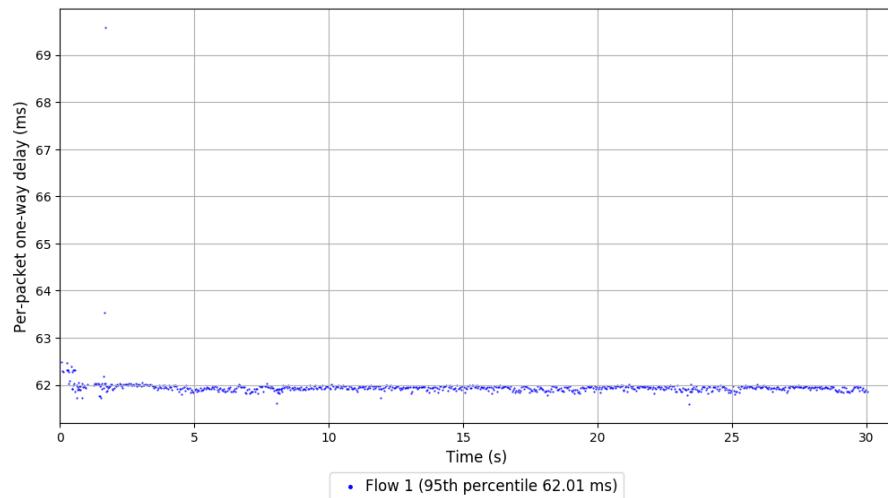
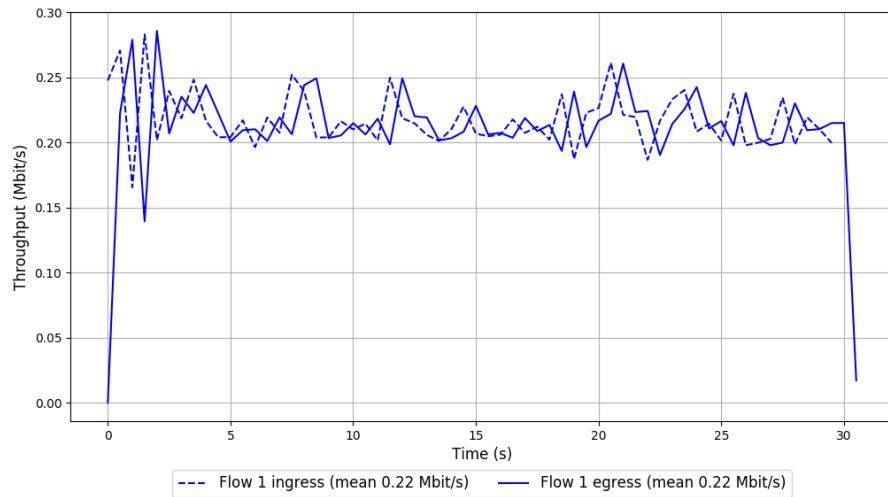


Run 1: Statistics of SCReAM

```
Start at: 2018-05-30 09:00:35
End at: 2018-05-30 09:01:05
Local clock offset: 2.098 ms
Remote clock offset: -33.398 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.011 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

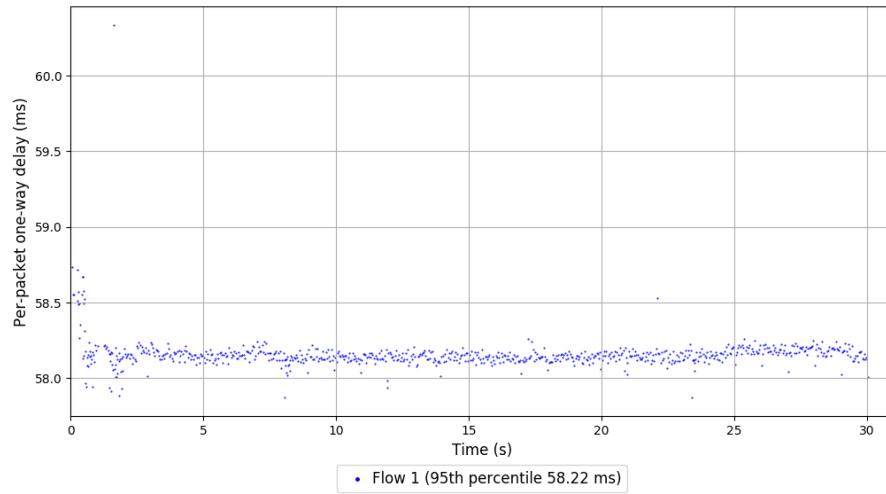
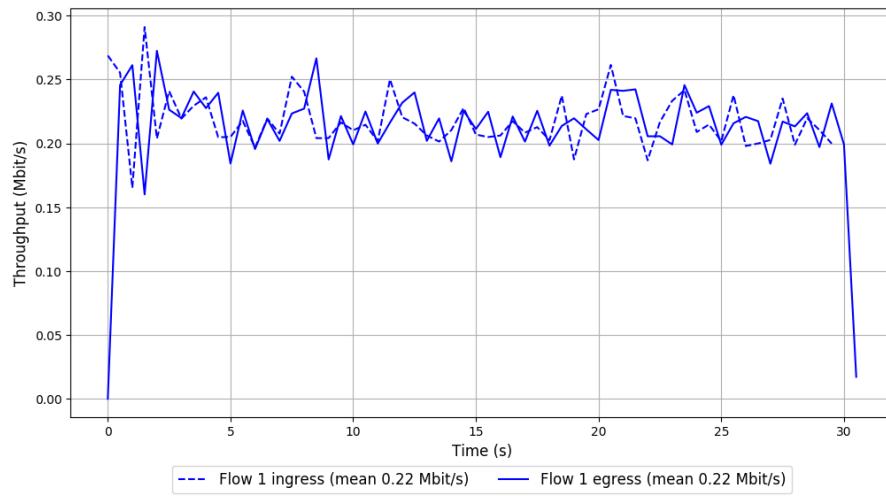


Run 2: Statistics of SCReAM

```
Start at: 2018-05-30 09:26:46
End at: 2018-05-30 09:27:16
Local clock offset: -0.36 ms
Remote clock offset: -39.314 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.222 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

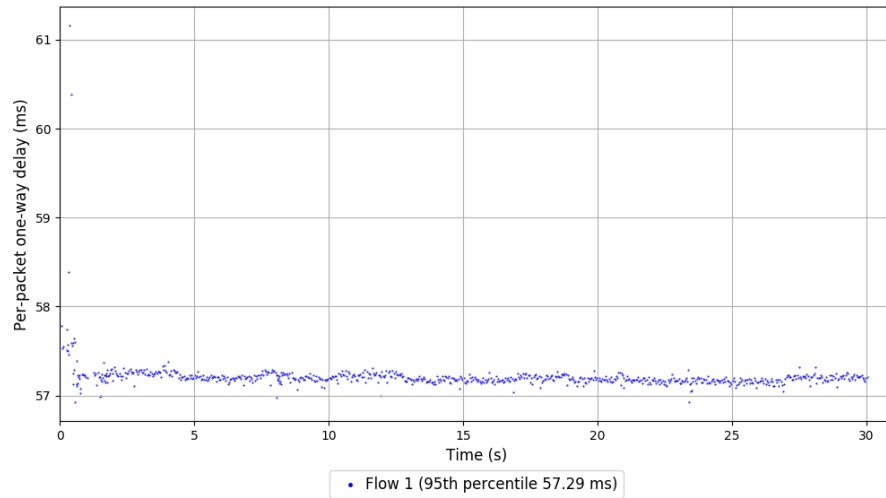
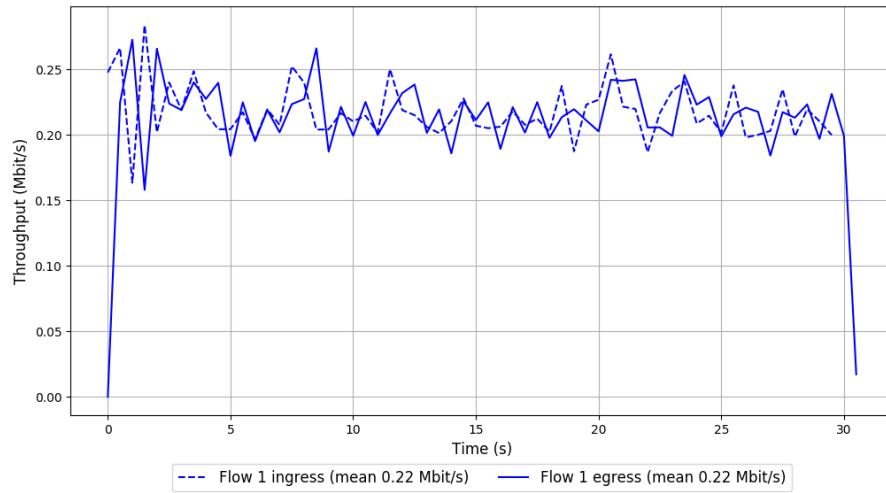


Run 3: Statistics of SCReAM

```
Start at: 2018-05-30 09:52:58
End at: 2018-05-30 09:53:28
Local clock offset: 0.316 ms
Remote clock offset: -37.853 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.286 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

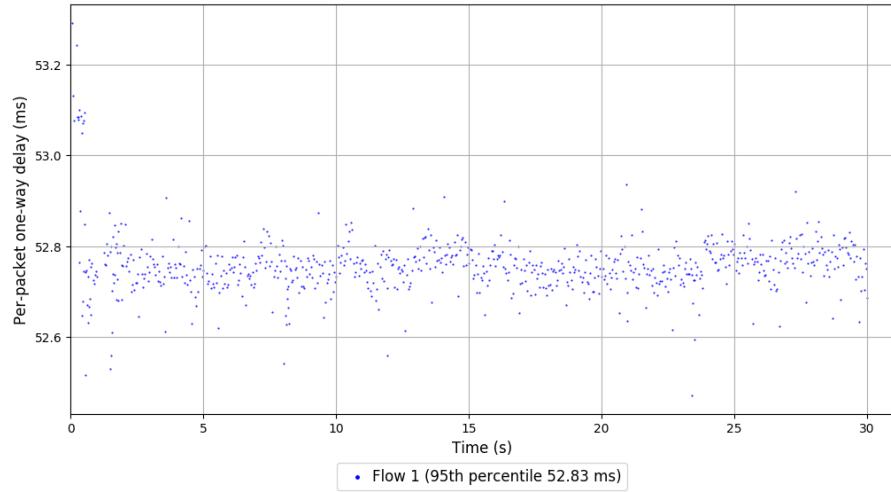
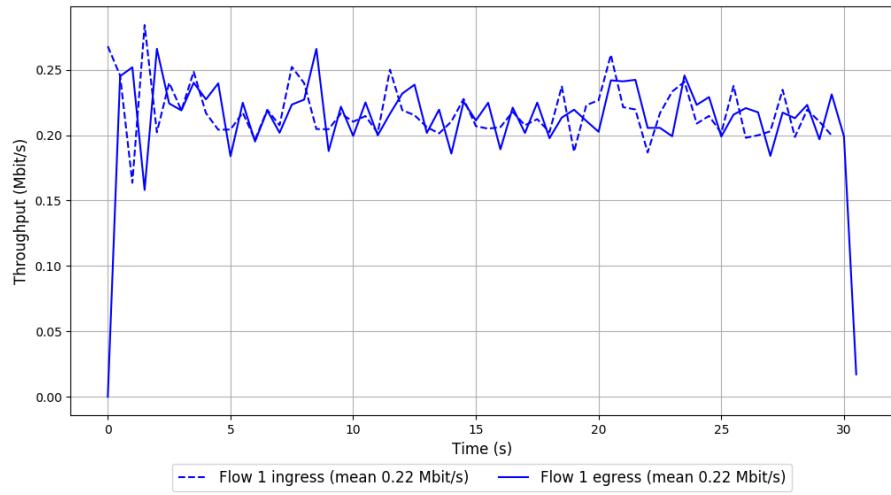


Run 4: Statistics of SCReAM

```
Start at: 2018-05-30 10:19:14
End at: 2018-05-30 10:19:44
Local clock offset: -1.551 ms
Remote clock offset: -40.37 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.832 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

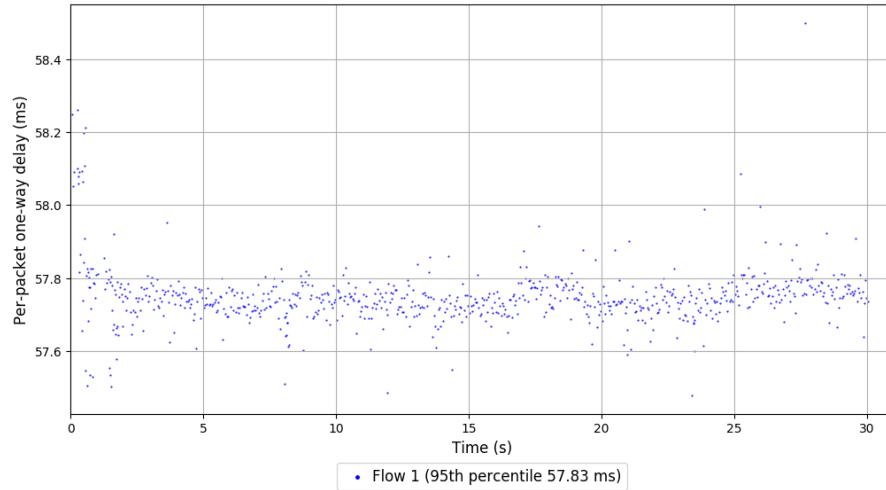
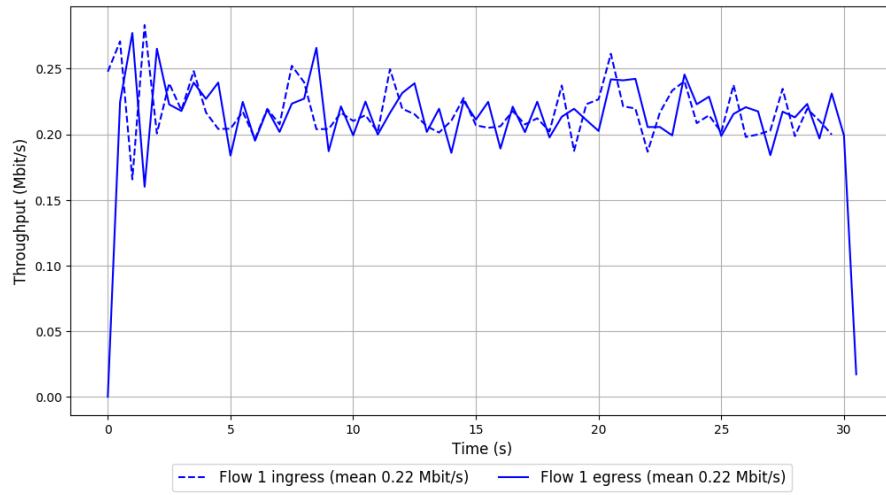


Run 5: Statistics of SCReAM

```
Start at: 2018-05-30 11:00:38
End at: 2018-05-30 11:01:08
Local clock offset: 1.762 ms
Remote clock offset: -34.301 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.832 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

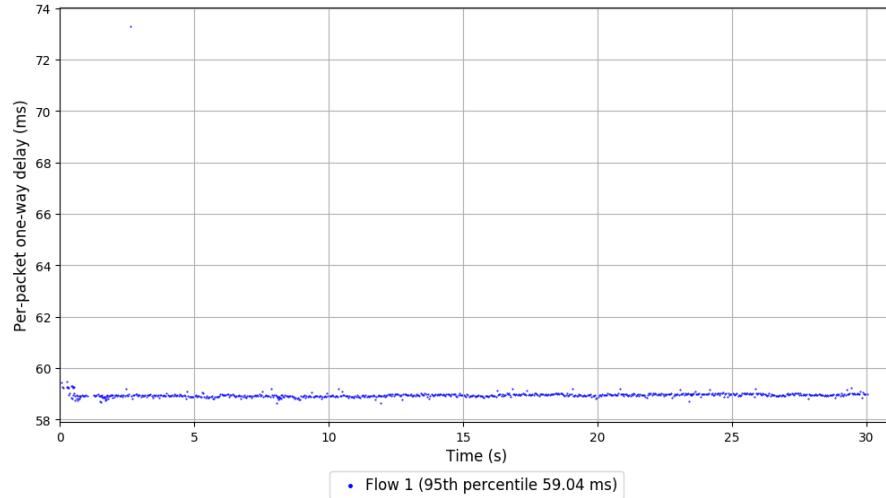
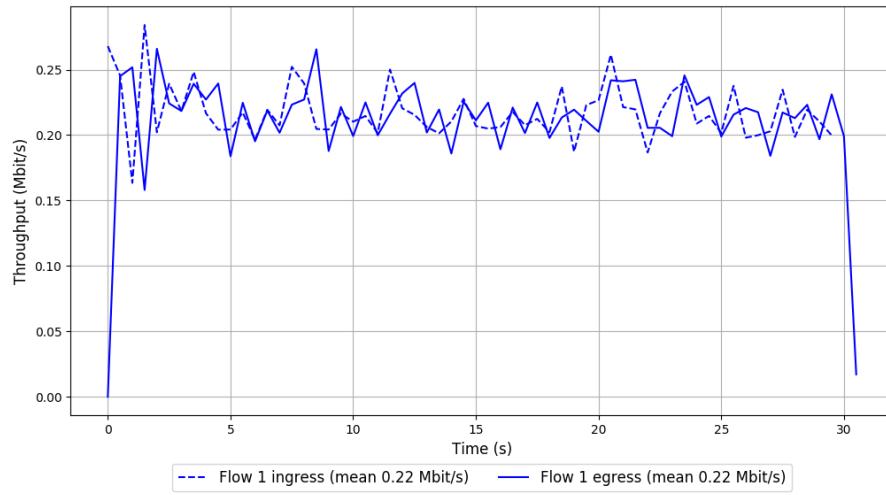


Run 6: Statistics of SCReAM

```
Start at: 2018-05-30 11:26:56
End at: 2018-05-30 11:27:26
Local clock offset: -0.378 ms
Remote clock offset: -34.163 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.041 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

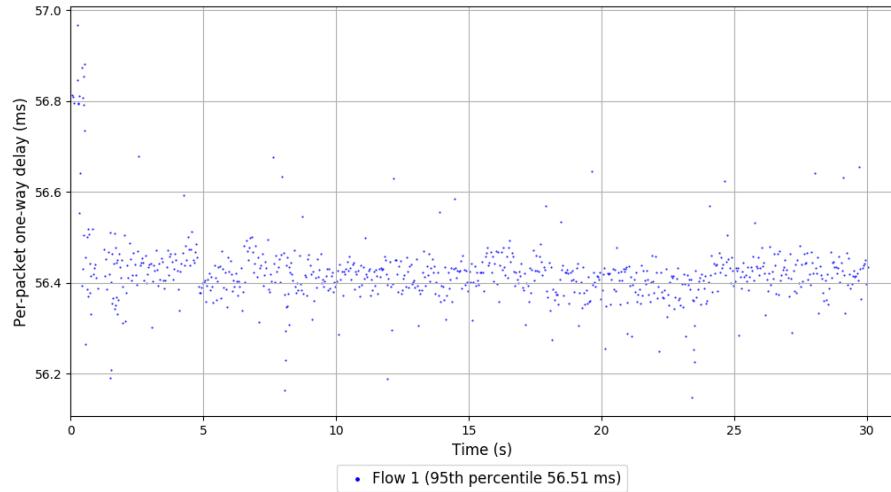
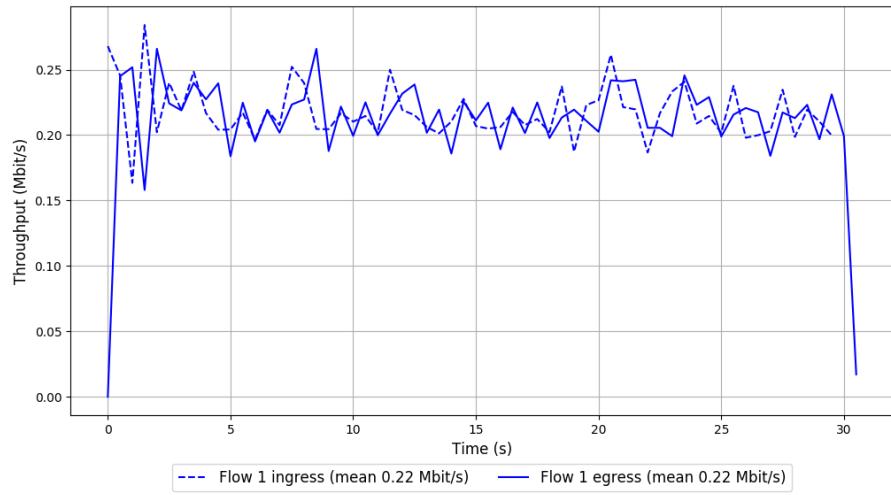


Run 7: Statistics of SCReAM

```
Start at: 2018-05-30 11:57:11
End at: 2018-05-30 11:57:41
Local clock offset: 1.437 ms
Remote clock offset: -35.033 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.505 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

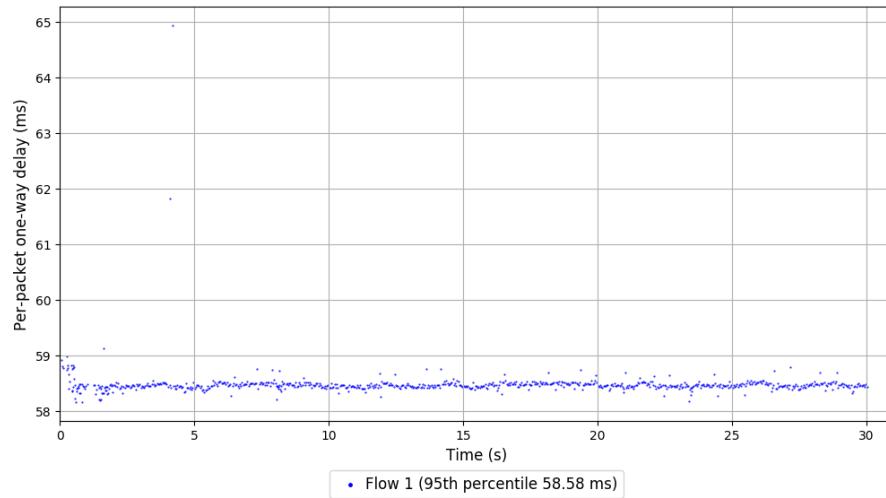
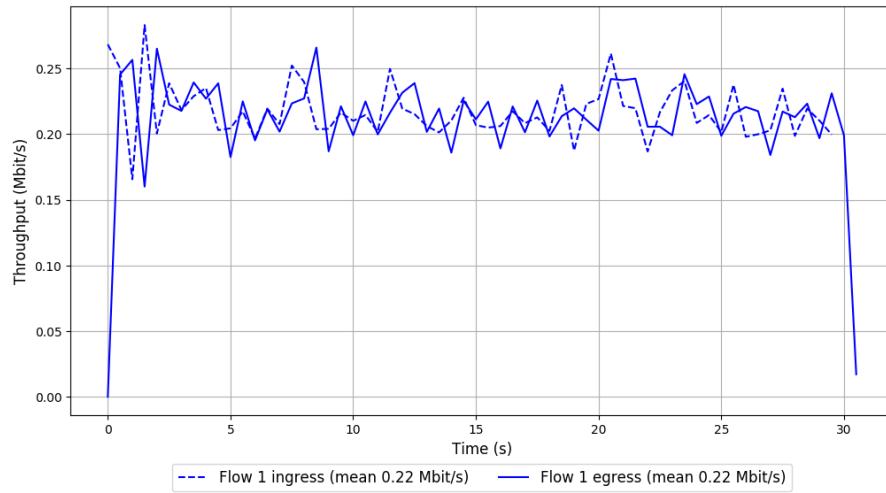


Run 8: Statistics of SCReAM

```
Start at: 2018-05-30 12:38:23
End at: 2018-05-30 12:38:53
Local clock offset: 0.843 ms
Remote clock offset: -36.378 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.582 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

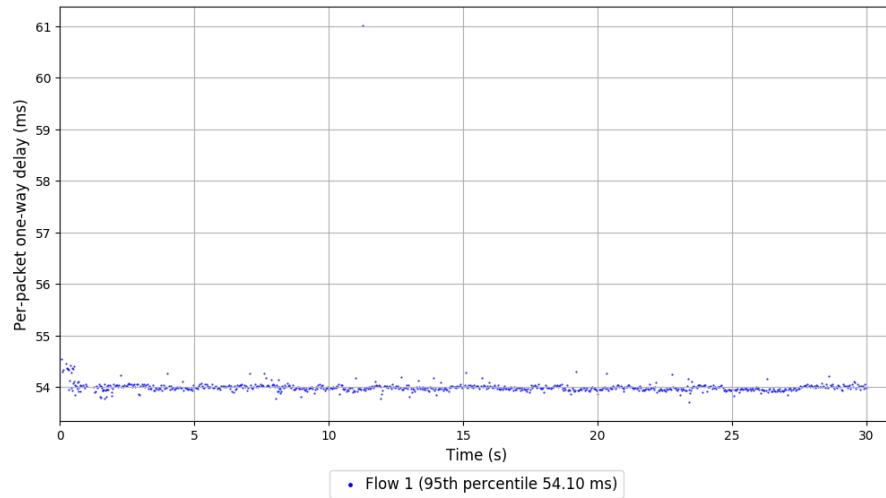
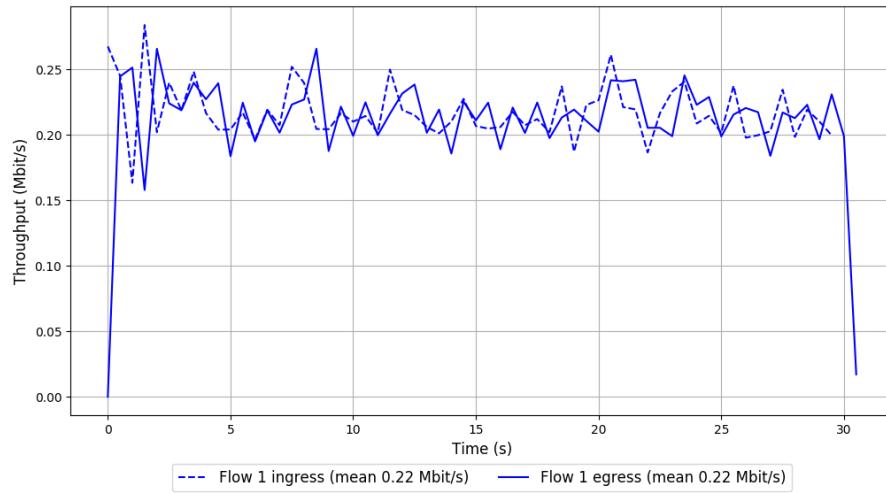


Run 9: Statistics of SCReAM

```
Start at: 2018-05-30 13:10:14
End at: 2018-05-30 13:10:44
Local clock offset: 1.915 ms
Remote clock offset: -36.682 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.102 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

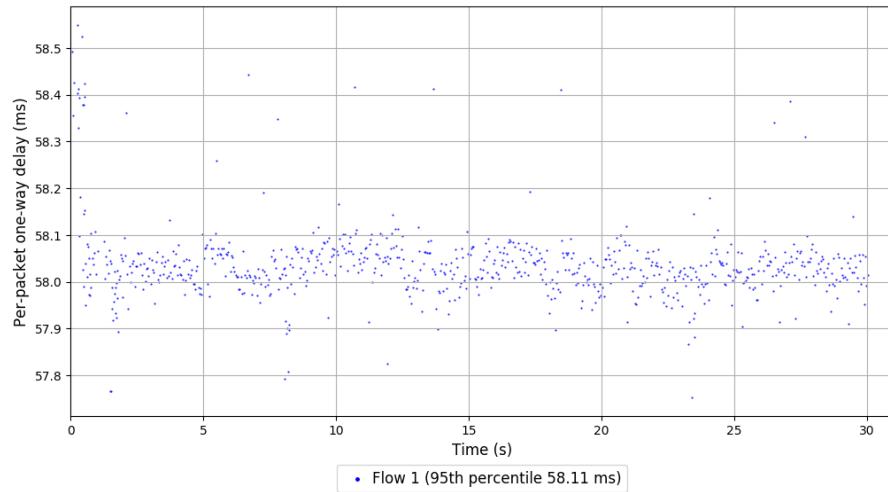
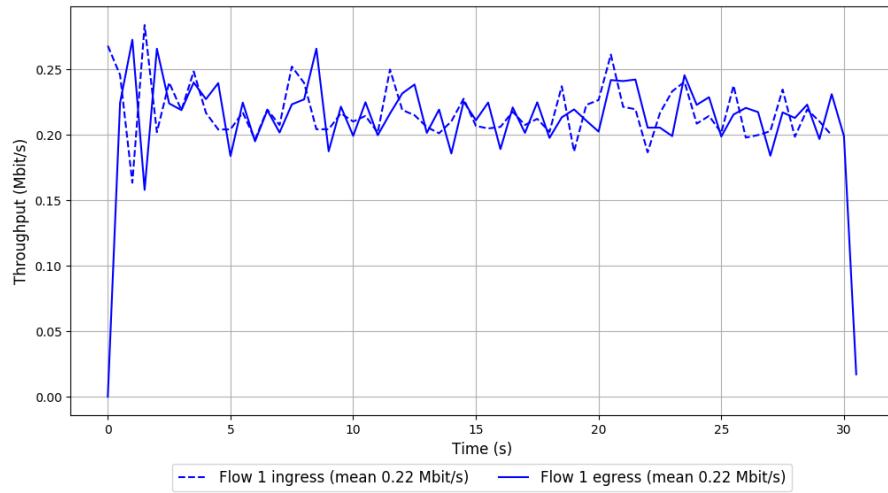


Run 10: Statistics of SCReAM

```
Start at: 2018-05-30 13:36:20
End at: 2018-05-30 13:36:50
Local clock offset: 0.558 ms
Remote clock offset: -31.78 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.111 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

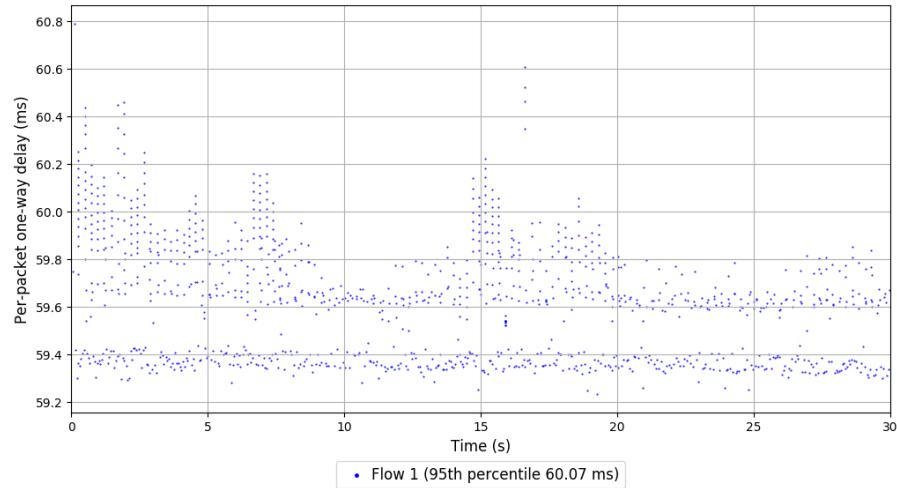
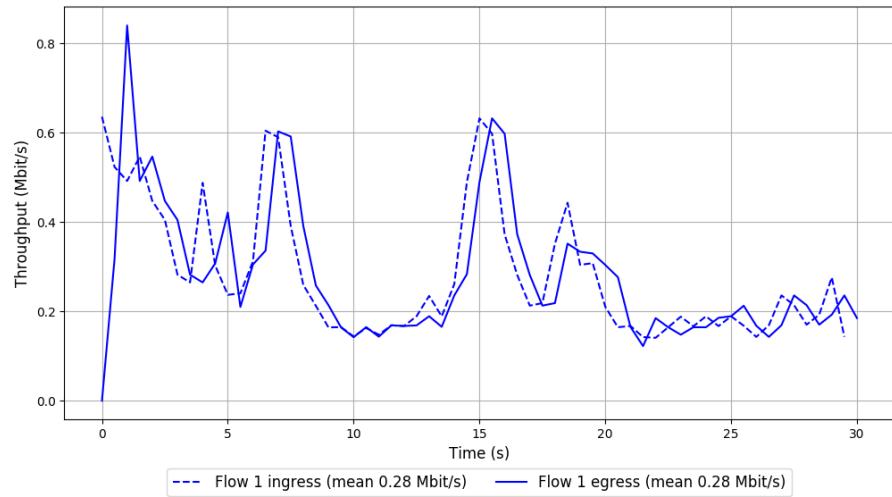


Run 1: Statistics of Sprout

```
Start at: 2018-05-30 08:40:35
End at: 2018-05-30 08:41:05
Local clock offset: 0.089 ms
Remote clock offset: -38.383 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 60.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 60.071 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

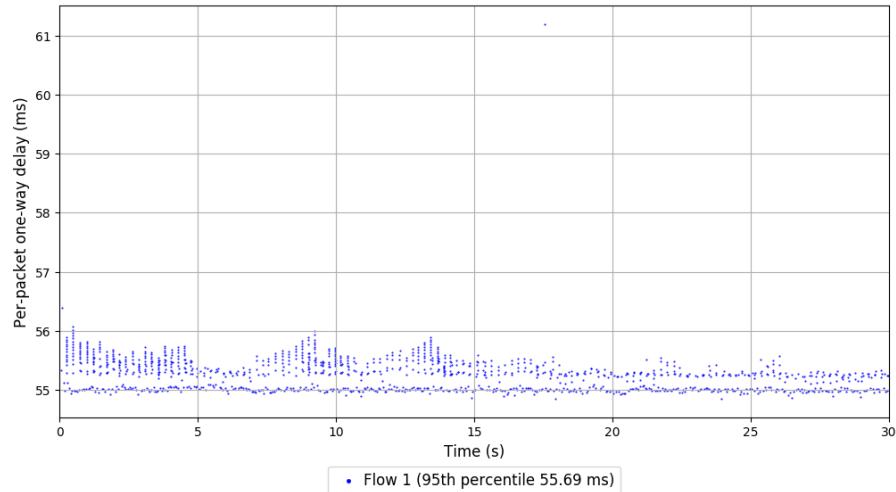
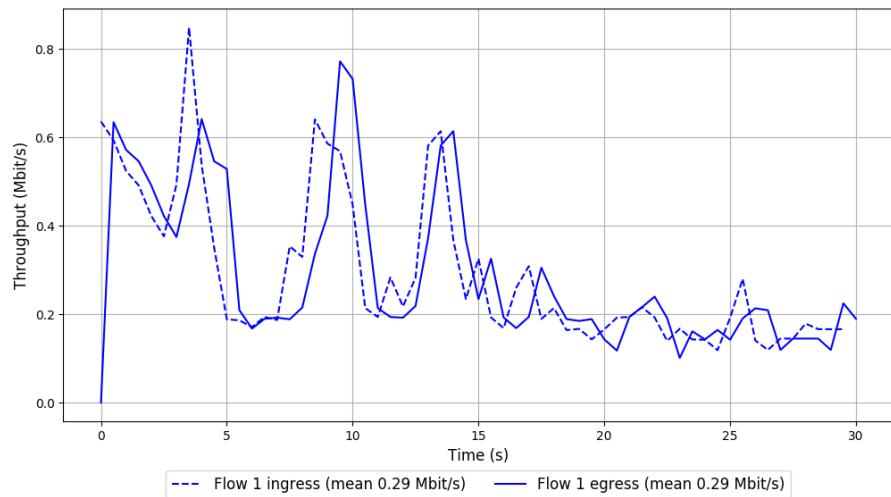


Run 2: Statistics of Sprout

```
Start at: 2018-05-30 09:17:43
End at: 2018-05-30 09:18:13
Local clock offset: 2.063 ms
Remote clock offset: -37.217 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 55.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 55.692 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

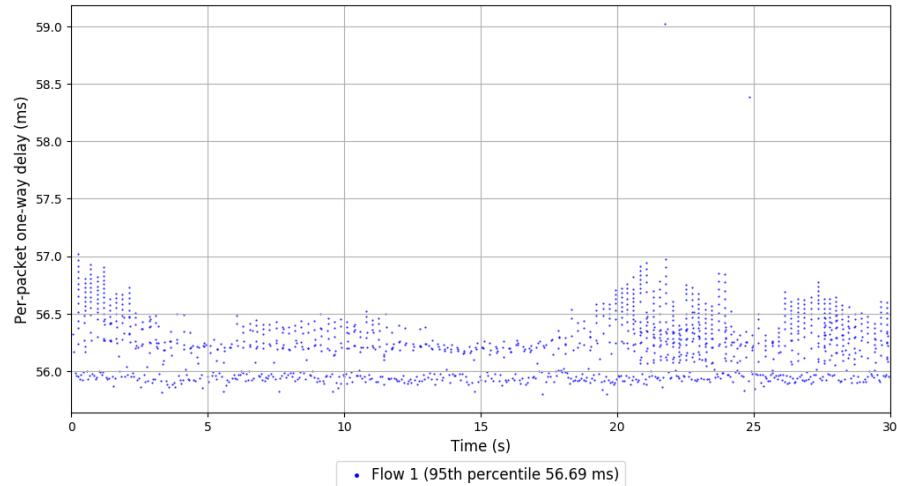
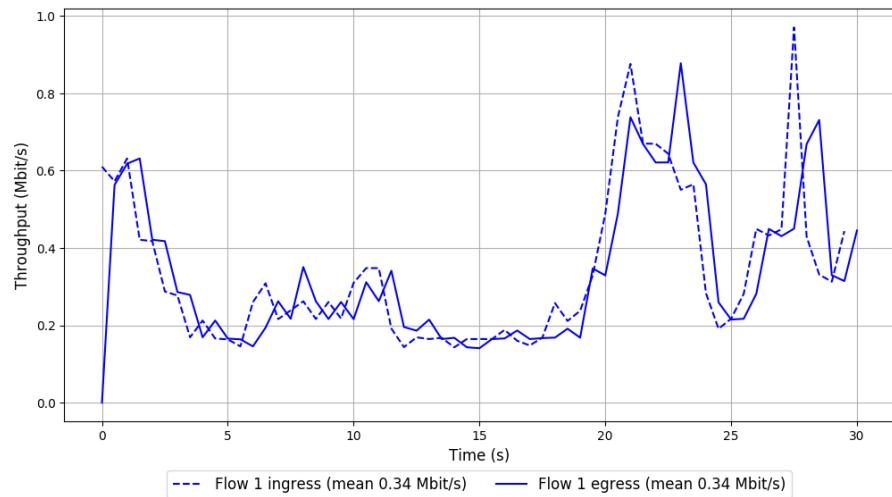


Run 3: Statistics of Sprout

```
Start at: 2018-05-30 09:43:48
End at: 2018-05-30 09:44:18
Local clock offset: 0.135 ms
Remote clock offset: -37.677 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 56.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 56.685 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

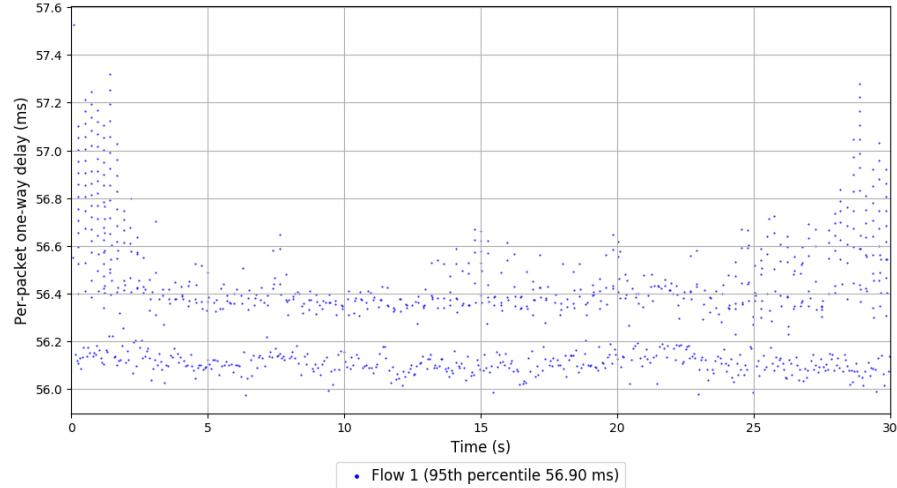
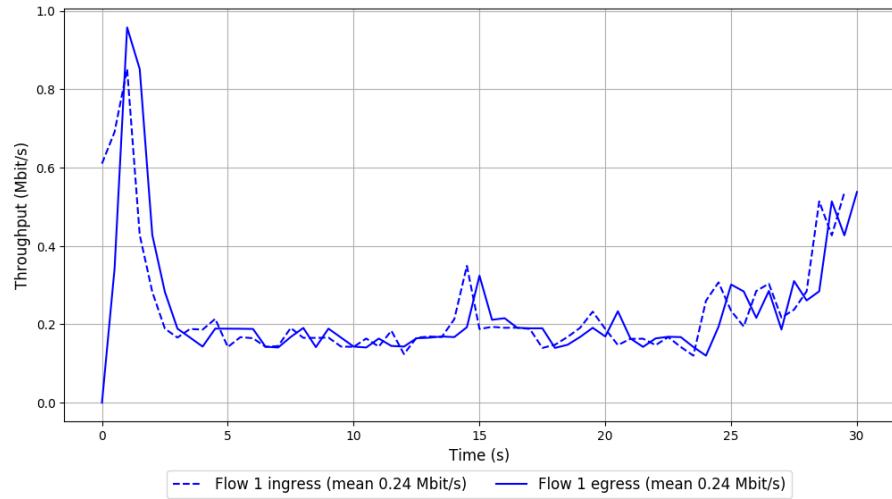


Run 4: Statistics of Sprout

```
Start at: 2018-05-30 10:10:08
End at: 2018-05-30 10:10:38
Local clock offset: -2.651 ms
Remote clock offset: -38.19 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 56.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 56.900 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

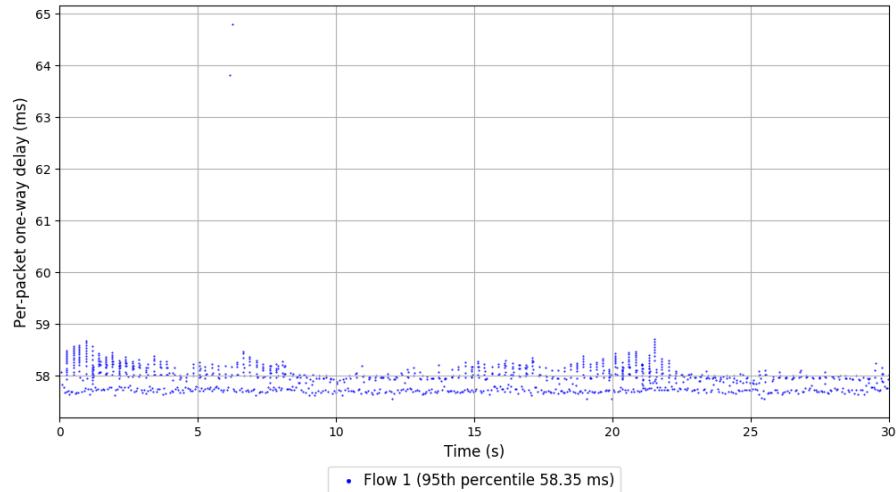
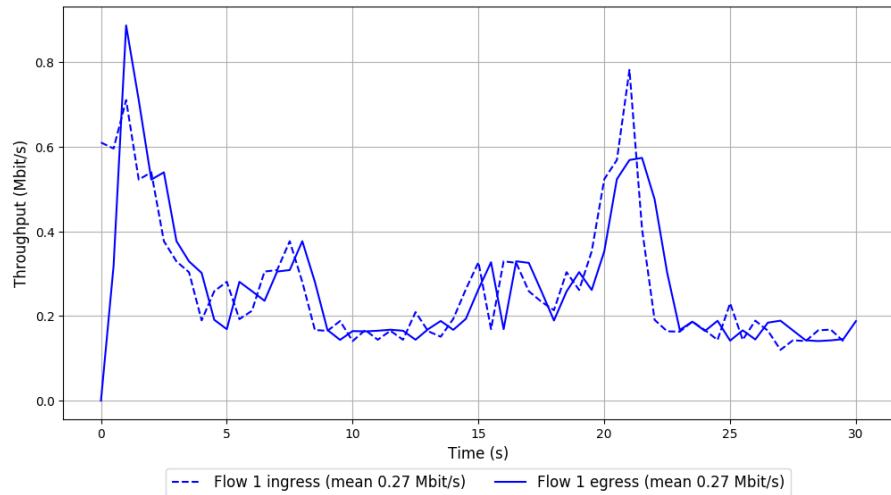


Run 5: Statistics of Sprout

```
Start at: 2018-05-30 10:40:26
End at: 2018-05-30 10:40:56
Local clock offset: 2.29 ms
Remote clock offset: -31.925 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 58.355 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 58.355 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

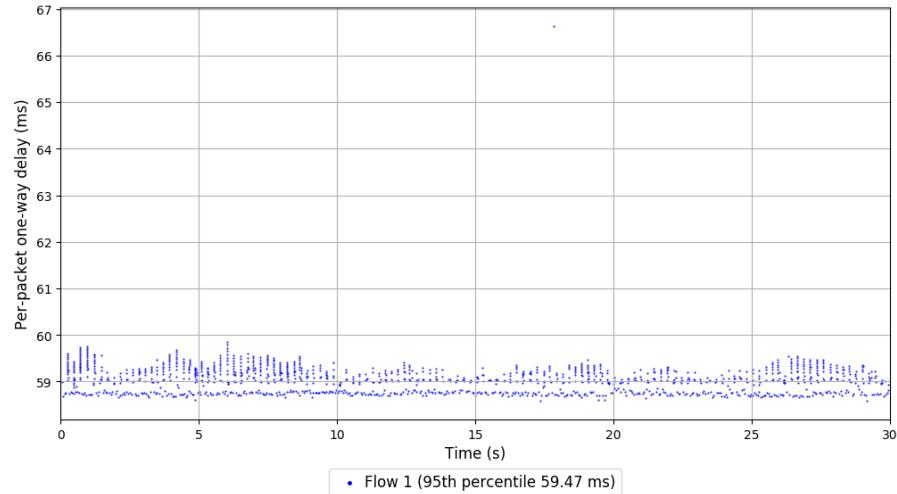
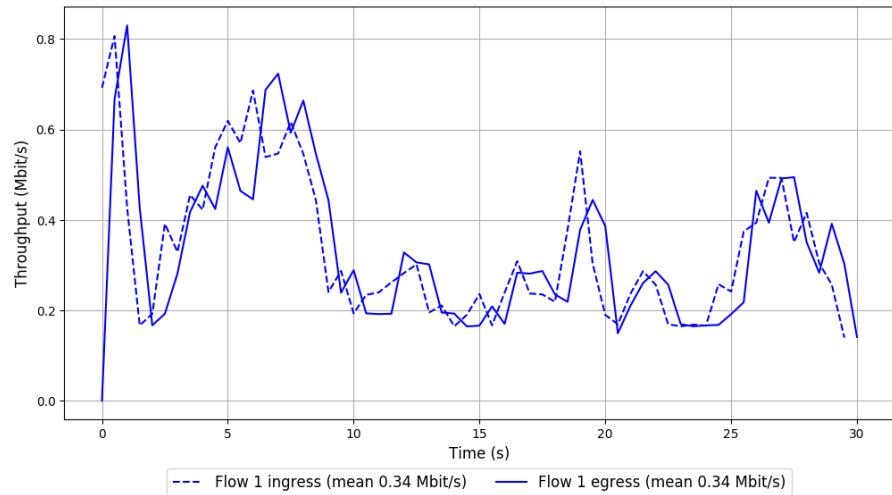


Run 6: Statistics of Sprout

```
Start at: 2018-05-30 11:17:47
End at: 2018-05-30 11:18:17
Local clock offset: -3.271 ms
Remote clock offset: -35.039 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 59.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 59.472 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

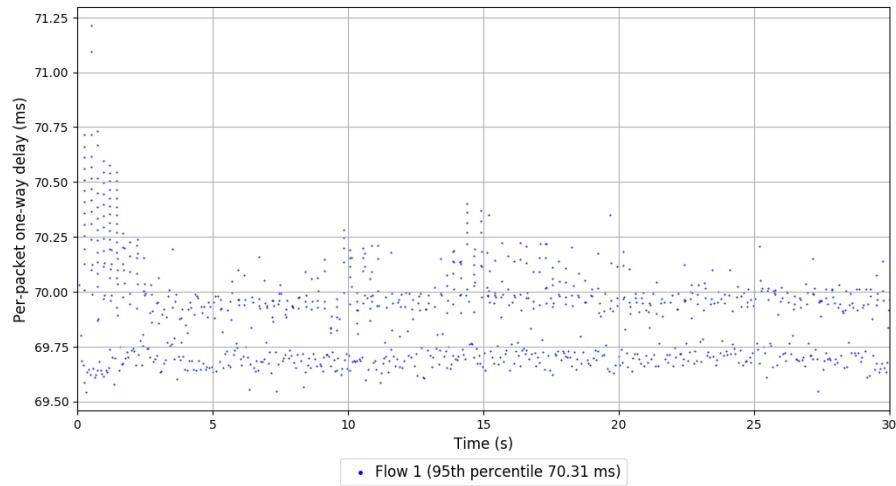
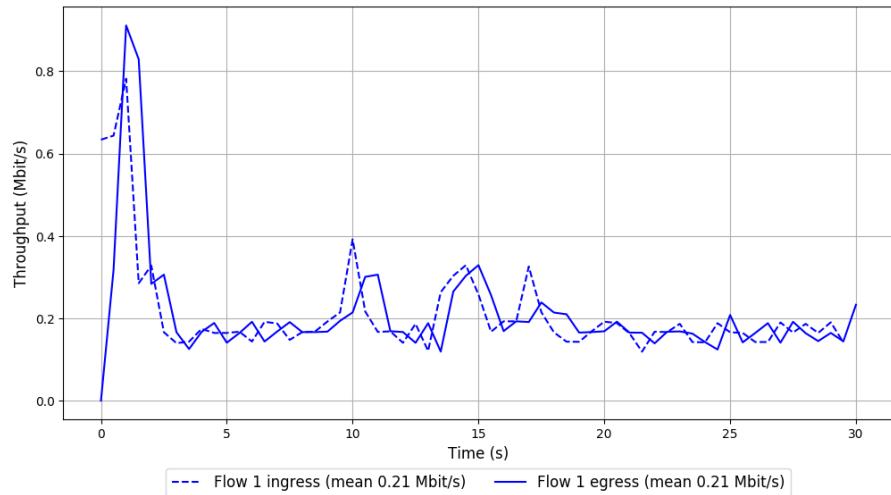


Run 7: Statistics of Sprout

```
Start at: 2018-05-30 11:48:04
End at: 2018-05-30 11:48:34
Local clock offset: -0.15 ms
Remote clock offset: -26.662 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 70.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 70.315 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

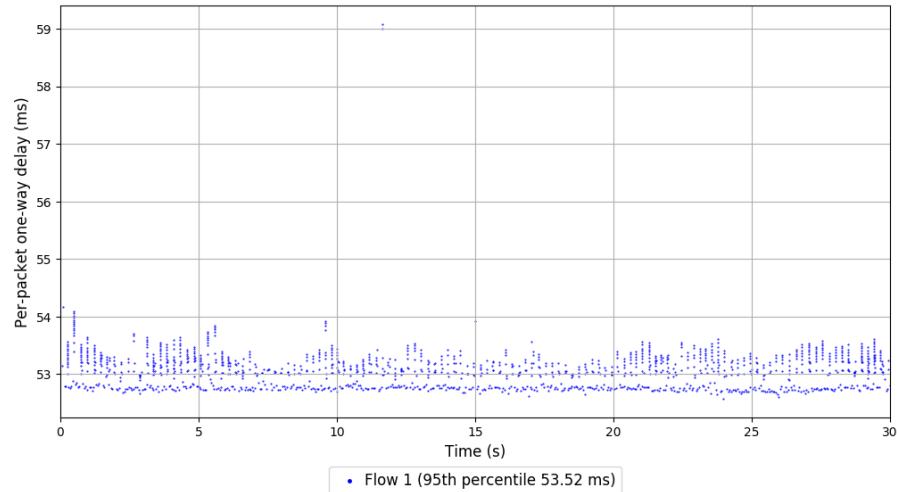
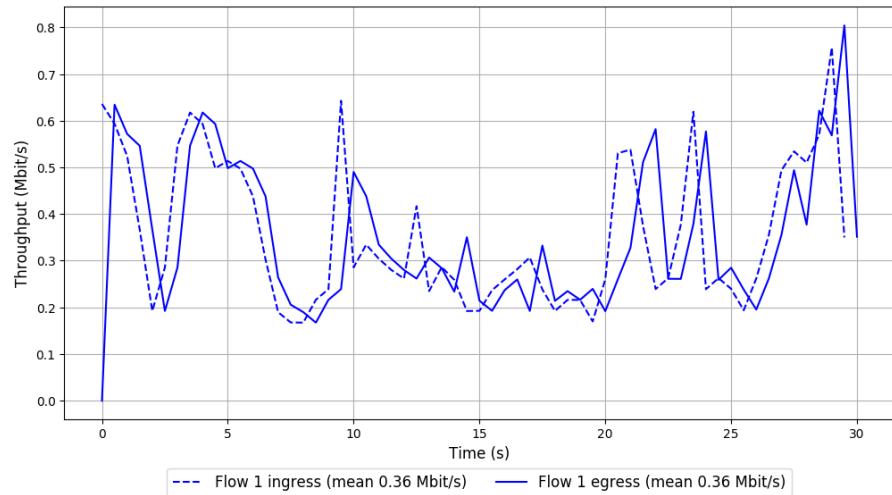


Run 8: Statistics of Sprout

```
Start at: 2018-05-30 12:14:13
End at: 2018-05-30 12:14:43
Local clock offset: 0.435 ms
Remote clock offset: -38.22 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 53.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 53.516 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

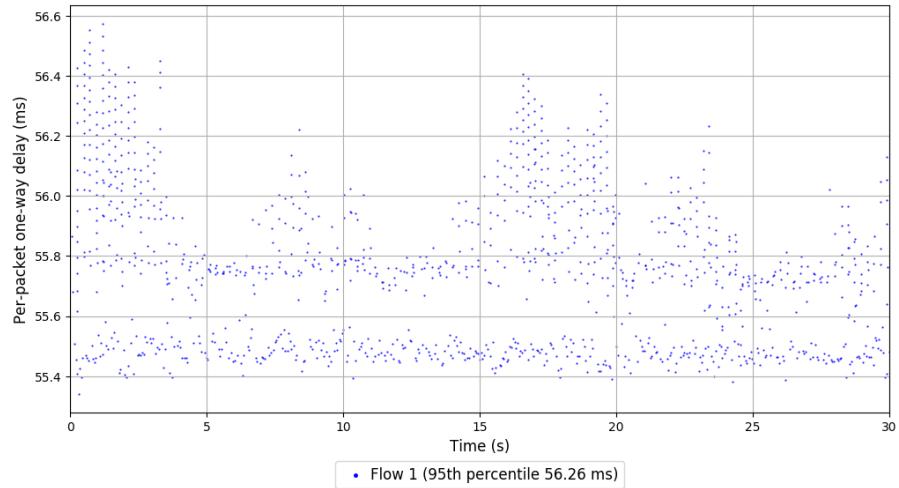
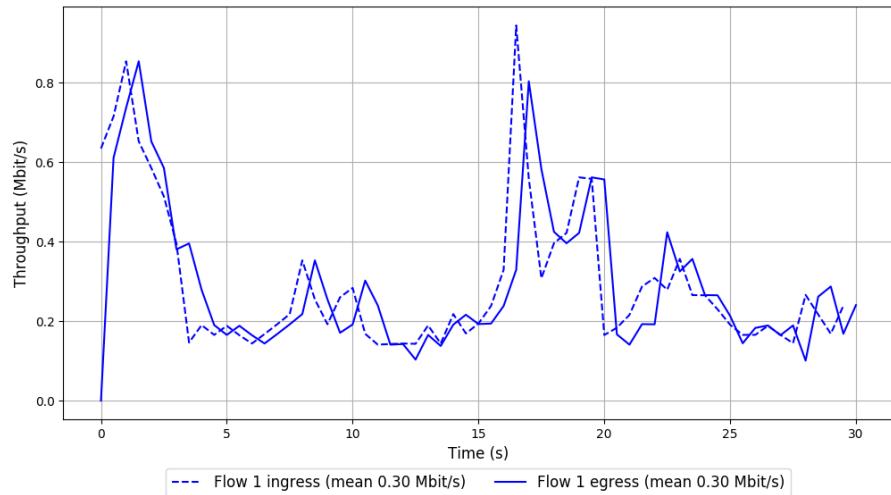


Run 9: Statistics of Sprout

```
Start at: 2018-05-30 13:01:11
End at: 2018-05-30 13:01:41
Local clock offset: 2.105 ms
Remote clock offset: -34.98 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 56.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 56.259 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

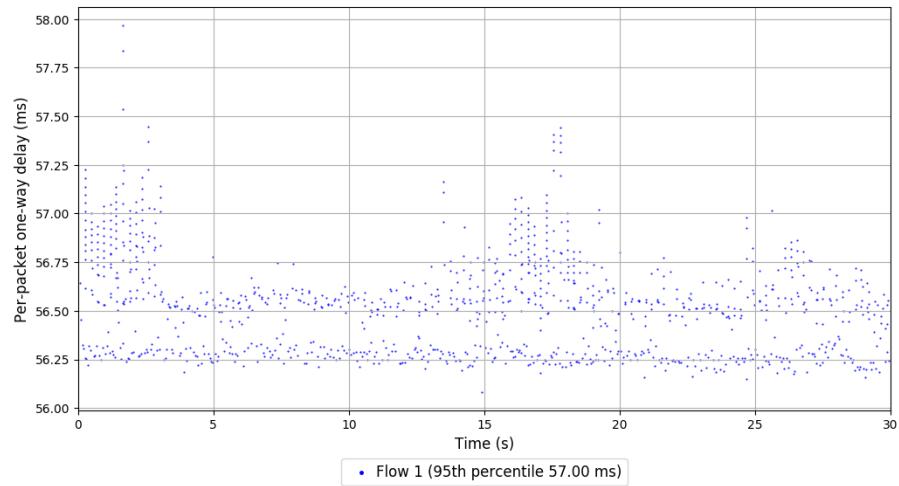
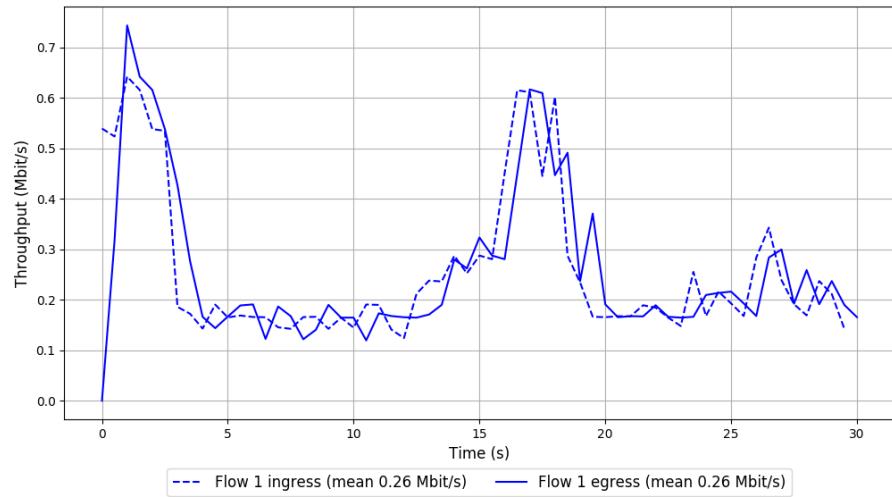


Run 10: Statistics of Sprout

```
Start at: 2018-05-30 13:27:15
End at: 2018-05-30 13:27:45
Local clock offset: -0.236 ms
Remote clock offset: -34.837 ms

# Below is generated by plot.py at 2018-05-30 14:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 57.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 57.004 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

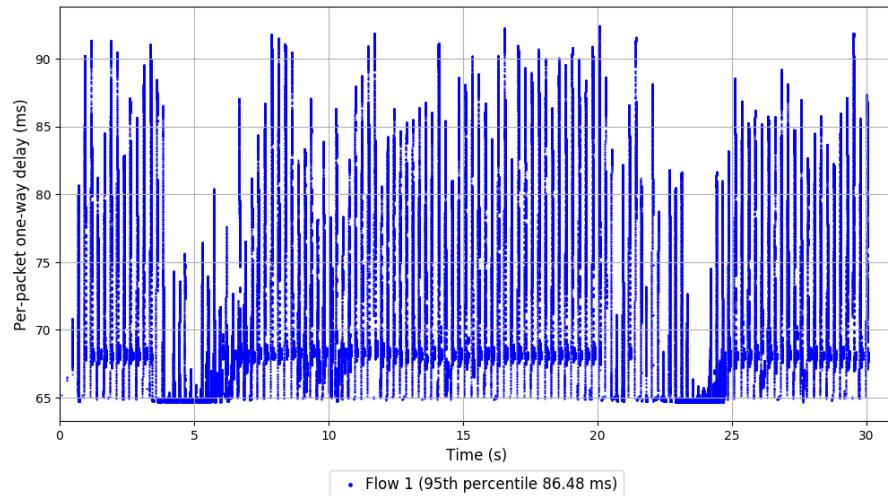
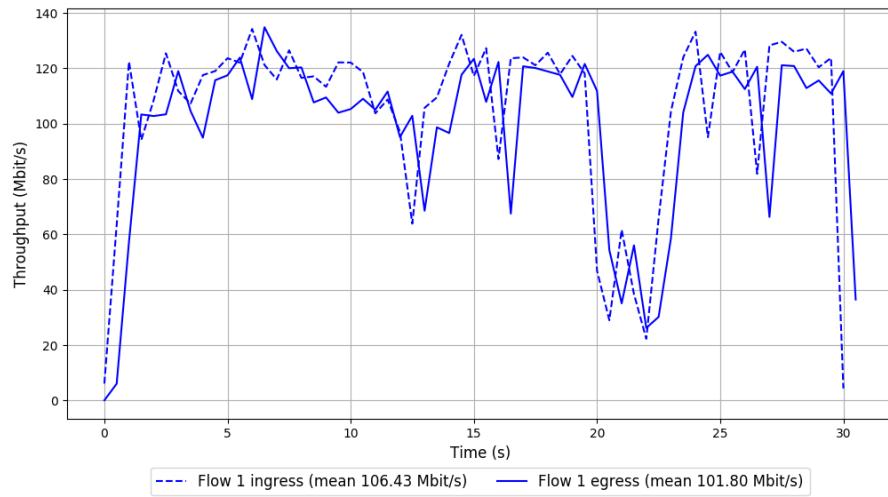


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-30 08:41:44
End at: 2018-05-30 08:42:14
Local clock offset: -0.056 ms
Remote clock offset: -31.066 ms

# Below is generated by plot.py at 2018-05-30 14:13:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.80 Mbit/s
95th percentile per-packet one-way delay: 86.479 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 101.80 Mbit/s
95th percentile per-packet one-way delay: 86.479 ms
Loss rate: 4.34%
```

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

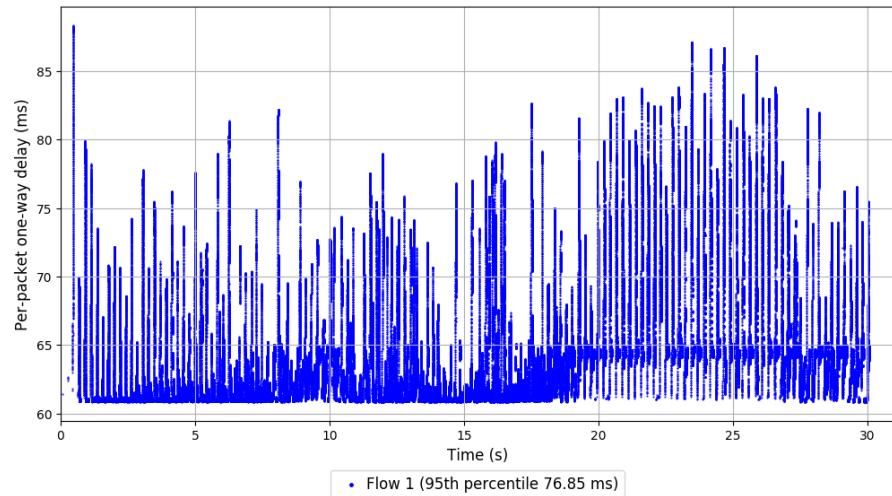
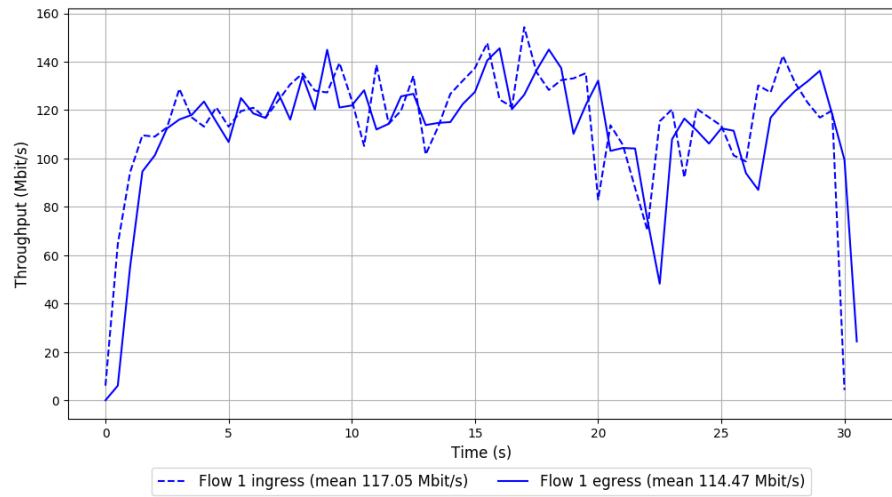


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-30 09:18:52
End at: 2018-05-30 09:19:22
Local clock offset: -2.438 ms
Remote clock offset: -35.605 ms

# Below is generated by plot.py at 2018-05-30 14:13:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.47 Mbit/s
95th percentile per-packet one-way delay: 76.854 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 114.47 Mbit/s
95th percentile per-packet one-way delay: 76.854 ms
Loss rate: 2.20%
```

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

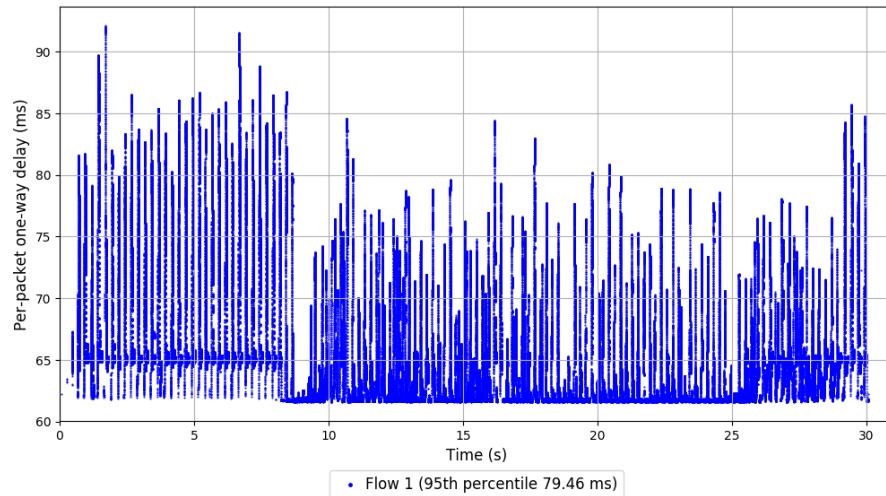
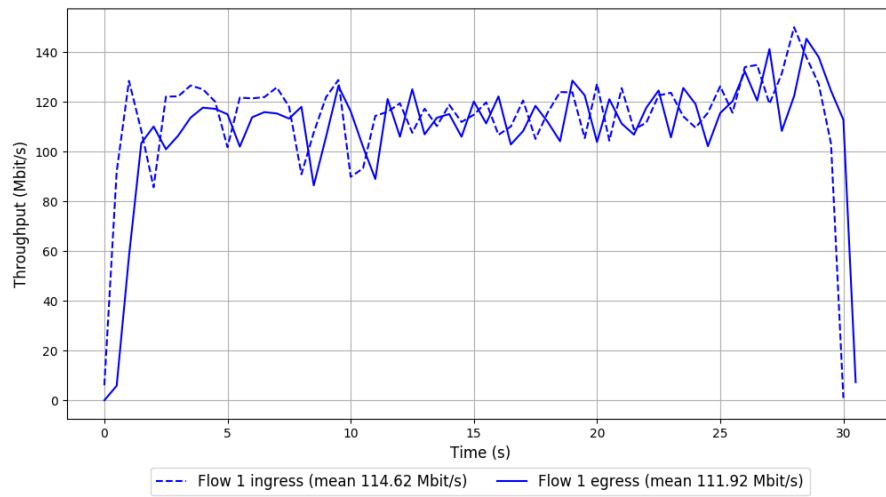


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-30 09:44:57
End at: 2018-05-30 09:45:27
Local clock offset: 2.484 ms
Remote clock offset: -31.914 ms

# Below is generated by plot.py at 2018-05-30 14:13:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.92 Mbit/s
95th percentile per-packet one-way delay: 79.456 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 111.92 Mbit/s
95th percentile per-packet one-way delay: 79.456 ms
Loss rate: 2.36%
```

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

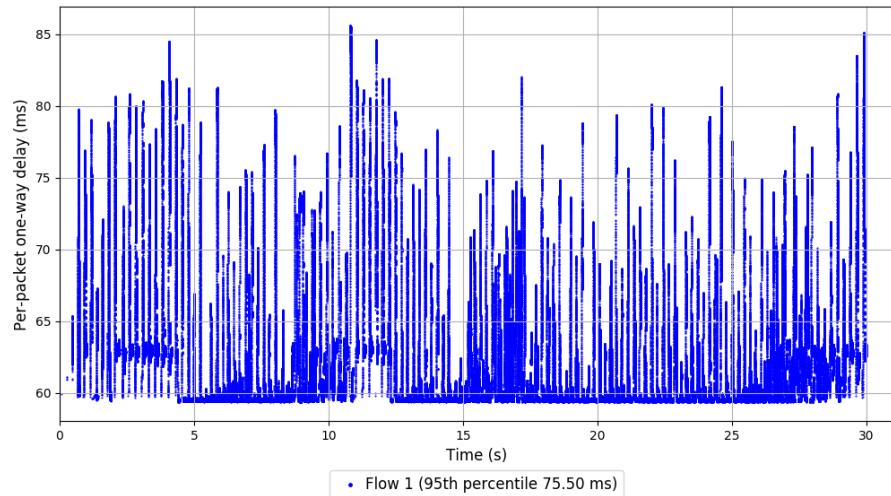
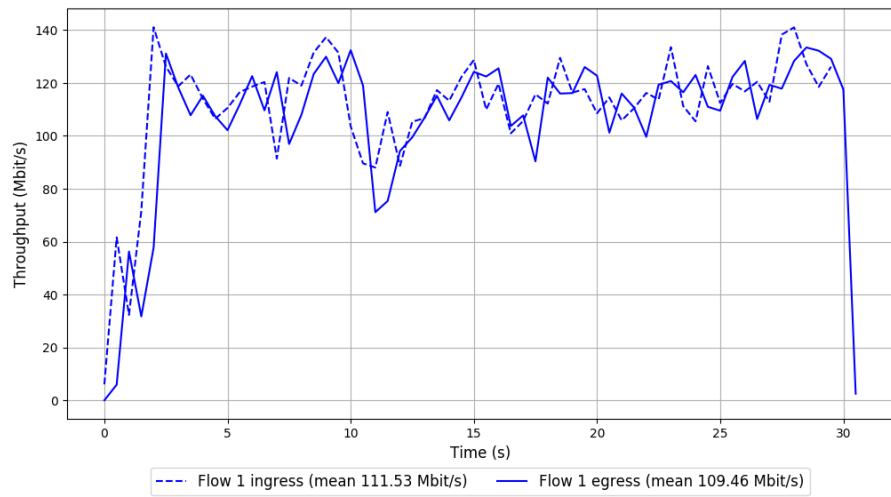


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-30 10:11:17
End at: 2018-05-30 10:11:47
Local clock offset: -1.41 ms
Remote clock offset: -36.114 ms

# Below is generated by plot.py at 2018-05-30 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.46 Mbit/s
95th percentile per-packet one-way delay: 75.499 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 109.46 Mbit/s
95th percentile per-packet one-way delay: 75.499 ms
Loss rate: 1.85%
```

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

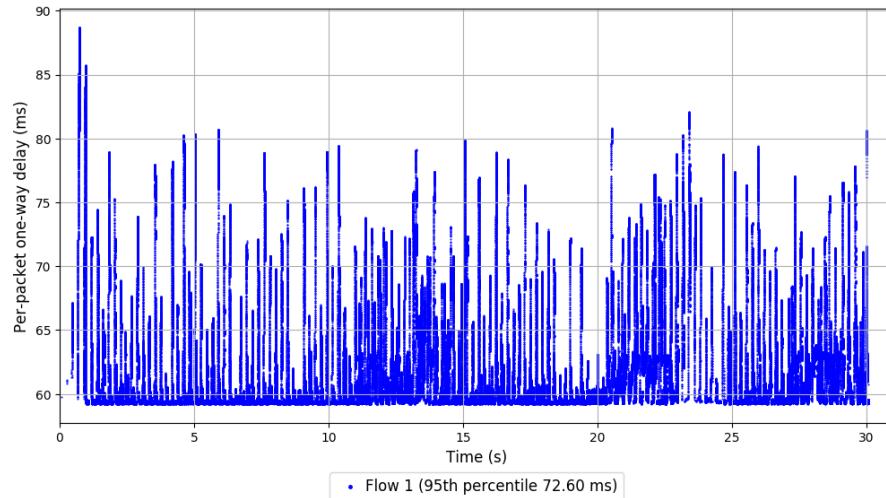
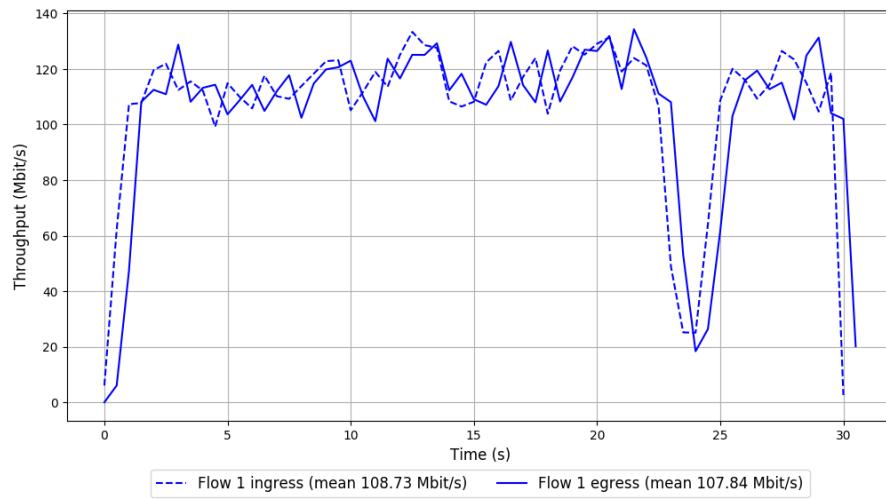


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-30 10:41:35
End at: 2018-05-30 10:42:05
Local clock offset: 1.448 ms
Remote clock offset: -34.075 ms

# Below is generated by plot.py at 2018-05-30 14:15:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.84 Mbit/s
95th percentile per-packet one-way delay: 72.601 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 107.84 Mbit/s
95th percentile per-packet one-way delay: 72.601 ms
Loss rate: 0.82%
```

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

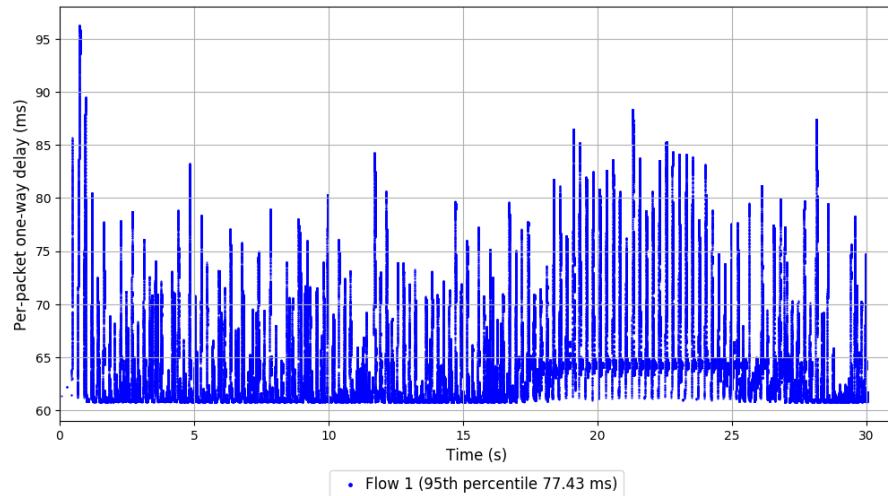
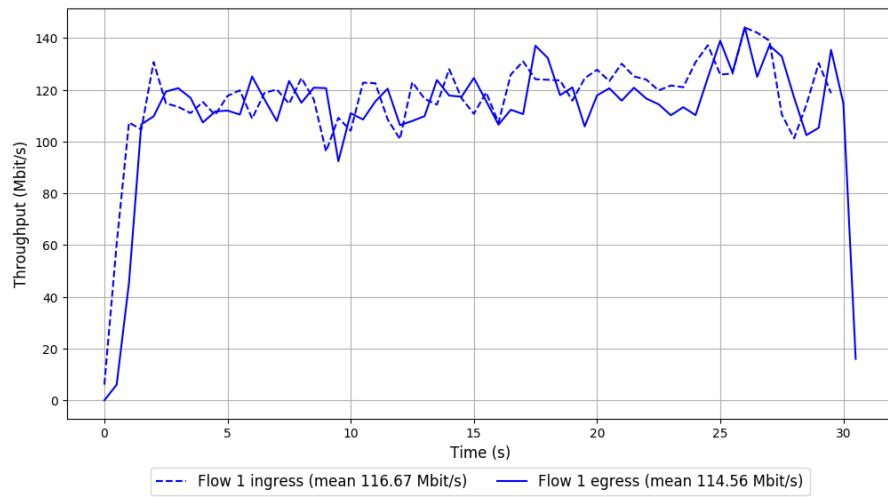


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-30 11:18:57
End at: 2018-05-30 11:19:27
Local clock offset: -0.139 ms
Remote clock offset: -30.018 ms

# Below is generated by plot.py at 2018-05-30 14:15:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.56 Mbit/s
95th percentile per-packet one-way delay: 77.431 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 114.56 Mbit/s
95th percentile per-packet one-way delay: 77.431 ms
Loss rate: 1.80%
```

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

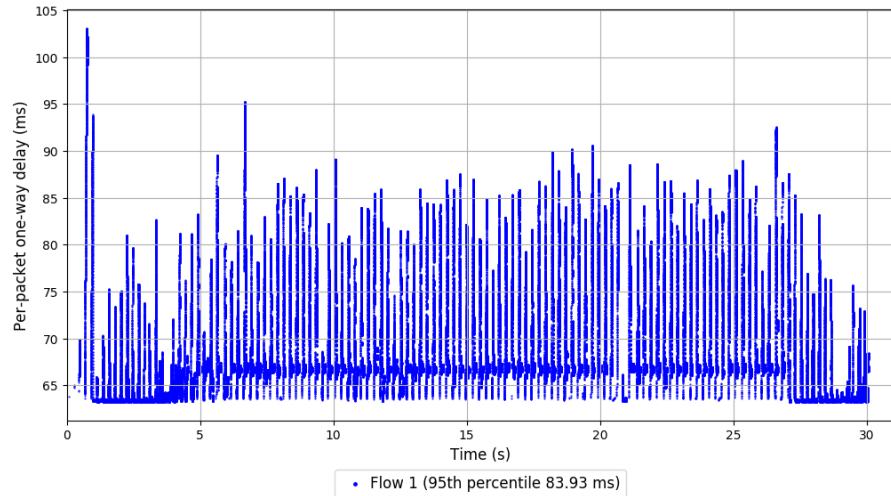
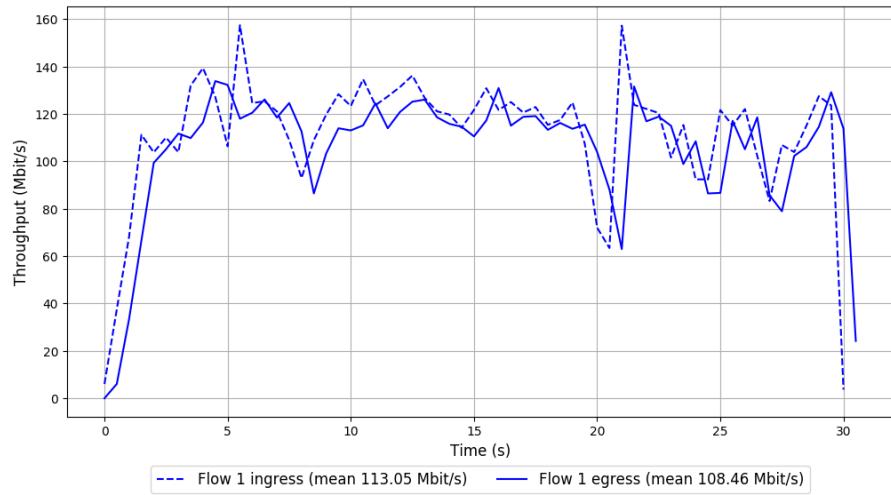


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-30 11:49:13
End at: 2018-05-30 11:49:43
Local clock offset: 4.628 ms
Remote clock offset: -28.626 ms

# Below is generated by plot.py at 2018-05-30 14:15:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.46 Mbit/s
95th percentile per-packet one-way delay: 83.926 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 108.46 Mbit/s
95th percentile per-packet one-way delay: 83.926 ms
Loss rate: 4.05%
```

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

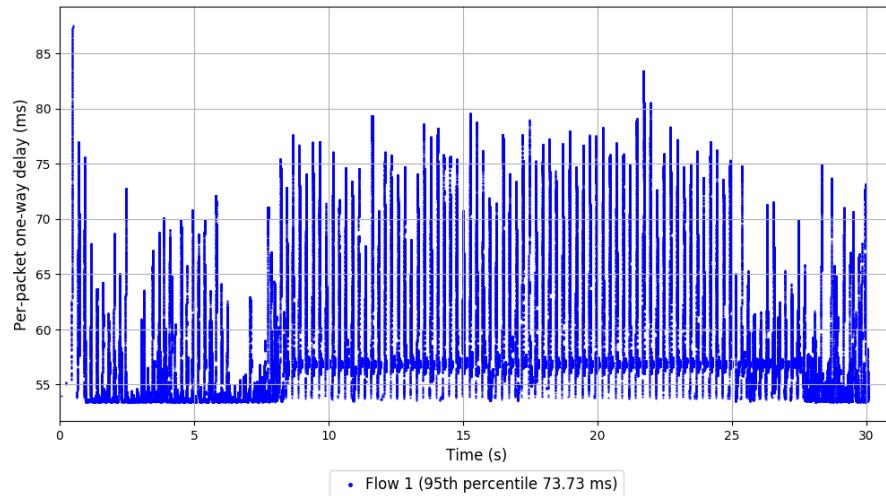
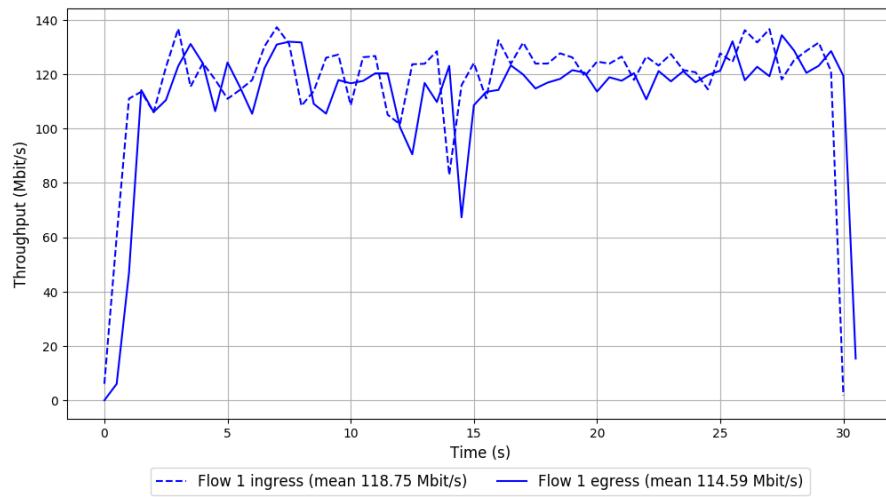


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-30 12:15:22
End at: 2018-05-30 12:15:52
Local clock offset: 1.711 ms
Remote clock offset: -36.287 ms

# Below is generated by plot.py at 2018-05-30 14:15:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.59 Mbit/s
95th percentile per-packet one-way delay: 73.731 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 114.59 Mbit/s
95th percentile per-packet one-way delay: 73.731 ms
Loss rate: 3.51%
```

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

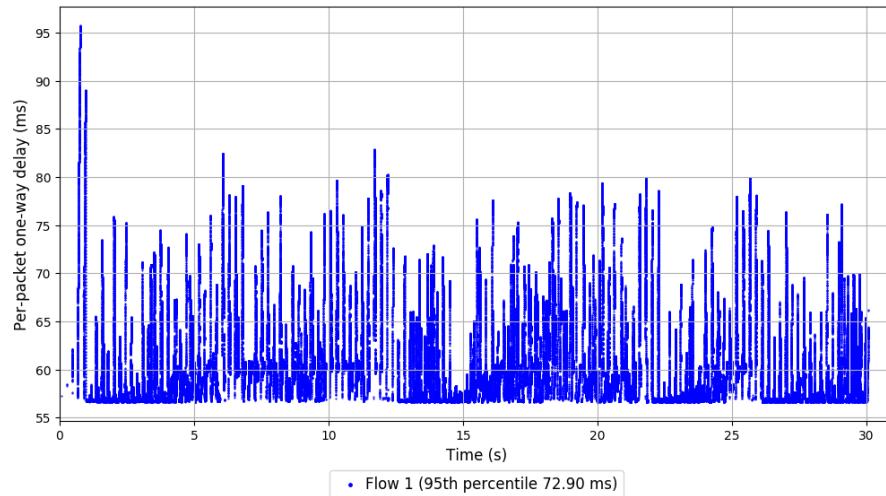
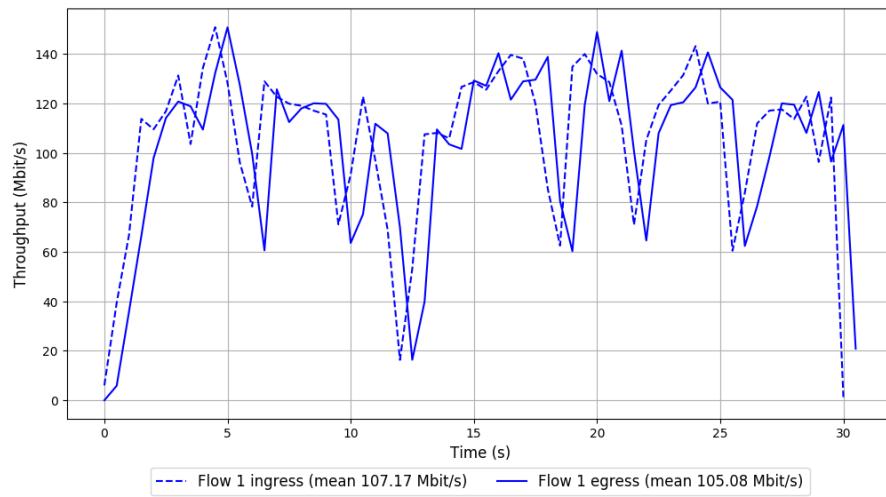


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-30 13:02:20
End at: 2018-05-30 13:02:50
Local clock offset: -0.222 ms
Remote clock offset: -38.709 ms

# Below is generated by plot.py at 2018-05-30 14:15:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.08 Mbit/s
95th percentile per-packet one-way delay: 72.896 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 105.08 Mbit/s
95th percentile per-packet one-way delay: 72.896 ms
Loss rate: 1.96%
```

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

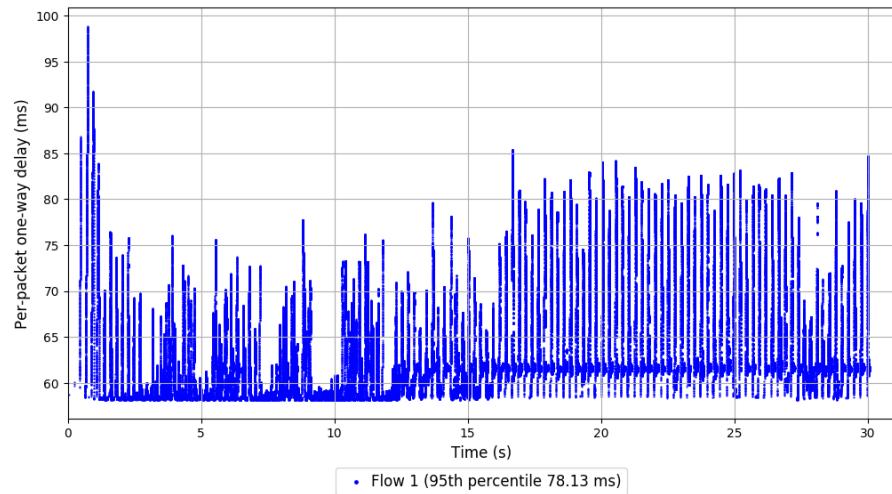
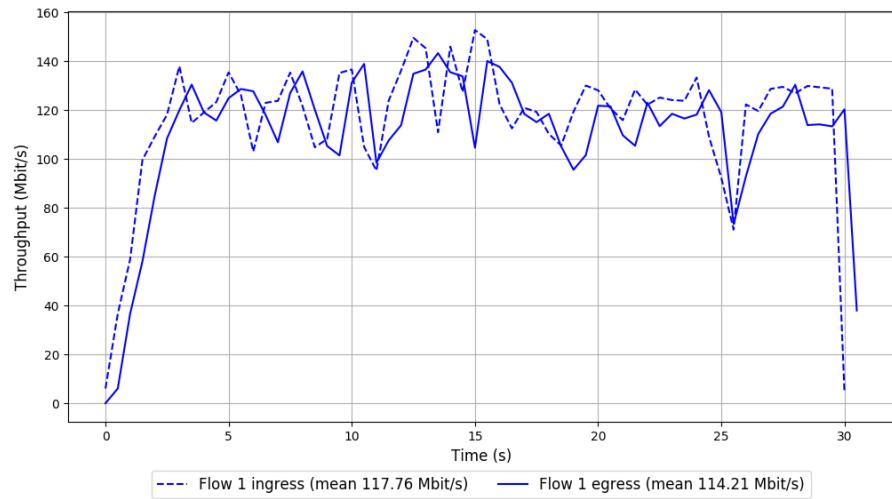


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-30 13:28:24
End at: 2018-05-30 13:28:54
Local clock offset: 0.65 ms
Remote clock offset: -31.983 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.21 Mbit/s
95th percentile per-packet one-way delay: 78.128 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 114.21 Mbit/s
95th percentile per-packet one-way delay: 78.128 ms
Loss rate: 3.01%
```

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

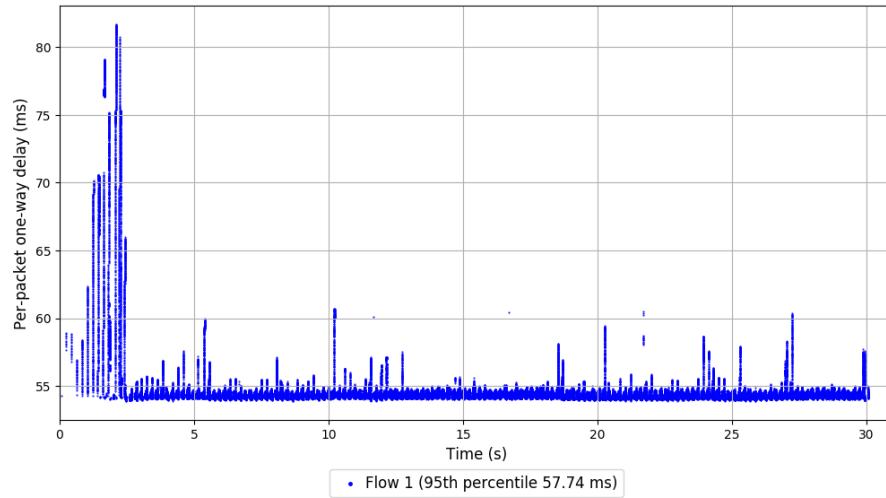
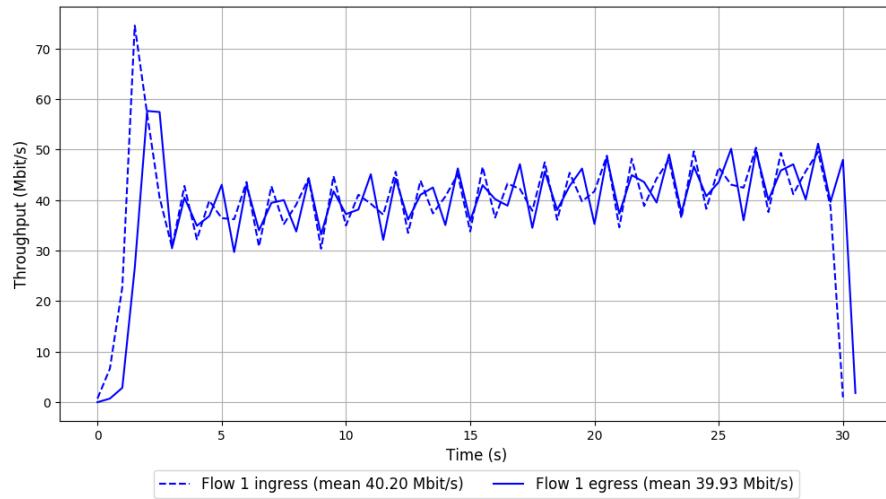


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-30 08:31:22
End at: 2018-05-30 08:31:52
Local clock offset: 1.859 ms
Remote clock offset: -40.591 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 57.743 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 57.743 ms
Loss rate: 0.68%
```

Run 1: Report of TCP Vegas — Data Link

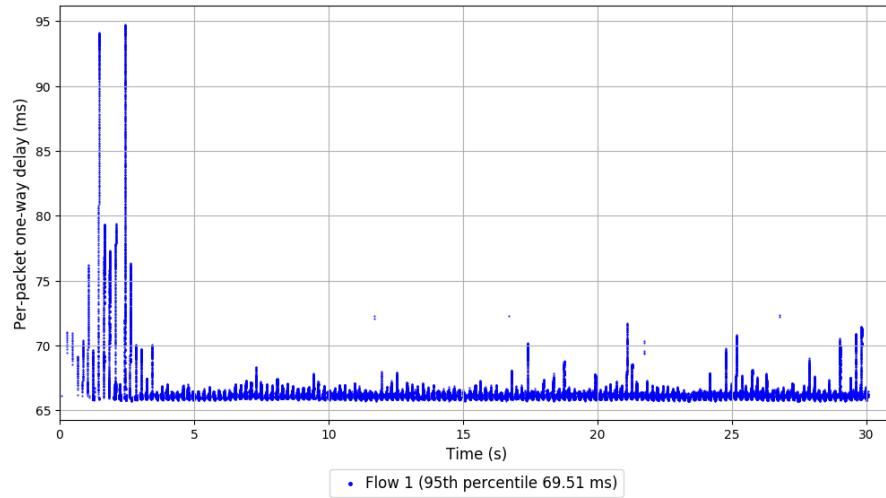
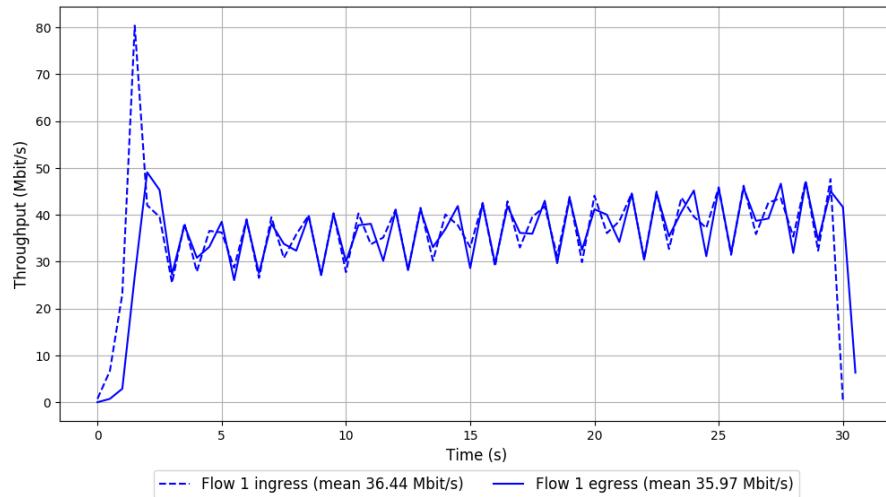


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-30 09:14:05
End at: 2018-05-30 09:14:35
Local clock offset: -2.091 ms
Remote clock offset: -32.926 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 69.508 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 69.508 ms
Loss rate: 1.28%
```

Run 2: Report of TCP Vegas — Data Link

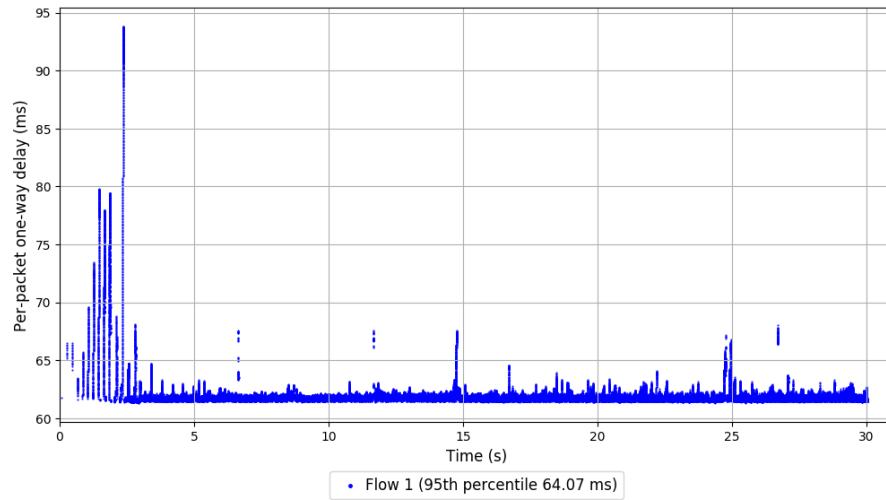
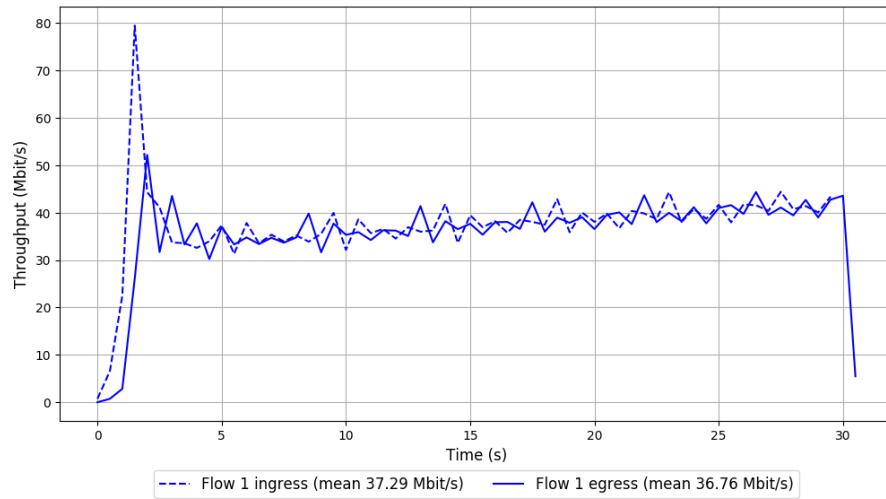


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-30 09:40:10
End at: 2018-05-30 09:40:40
Local clock offset: -4.31 ms
Remote clock offset: -38.934 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 64.070 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 64.070 ms
Loss rate: 1.43%
```

Run 3: Report of TCP Vegas — Data Link

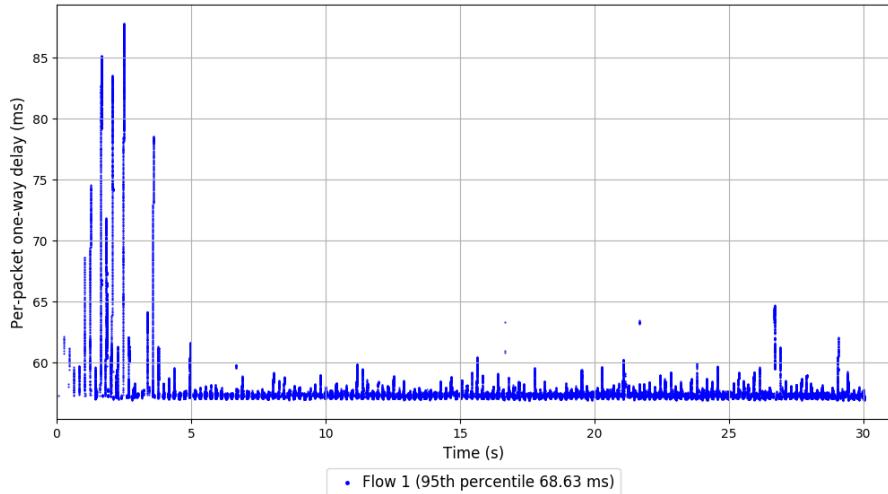
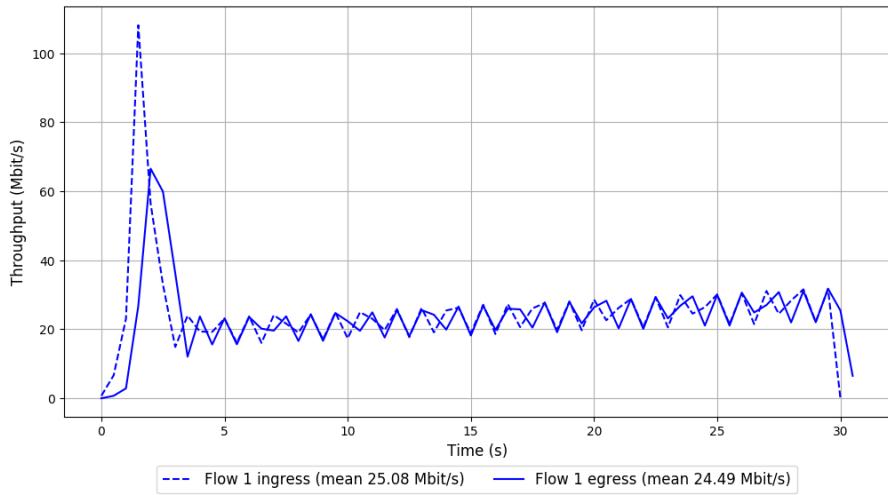


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-30 10:06:31
End at: 2018-05-30 10:07:01
Local clock offset: 0.069 ms
Remote clock offset: -37.128 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 68.630 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 68.630 ms
Loss rate: 2.52%
```

Run 4: Report of TCP Vegas — Data Link

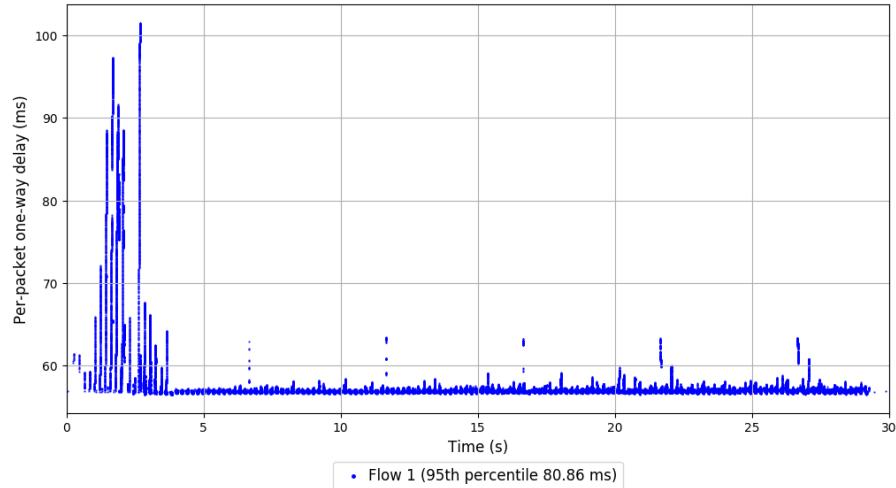
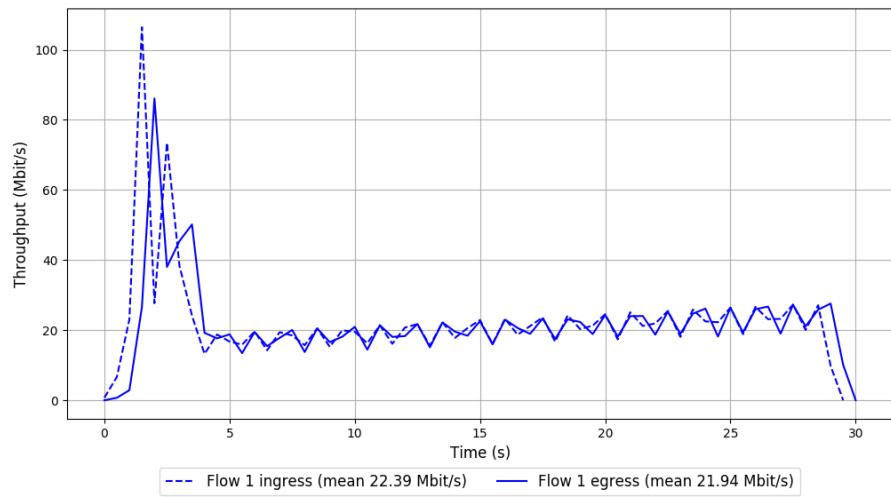


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-30 10:27:08
End at: 2018-05-30 10:27:39
Local clock offset: -0.945 ms
Remote clock offset: -36.361 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 80.856 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 80.856 ms
Loss rate: 1.98%
```

Run 5: Report of TCP Vegas — Data Link

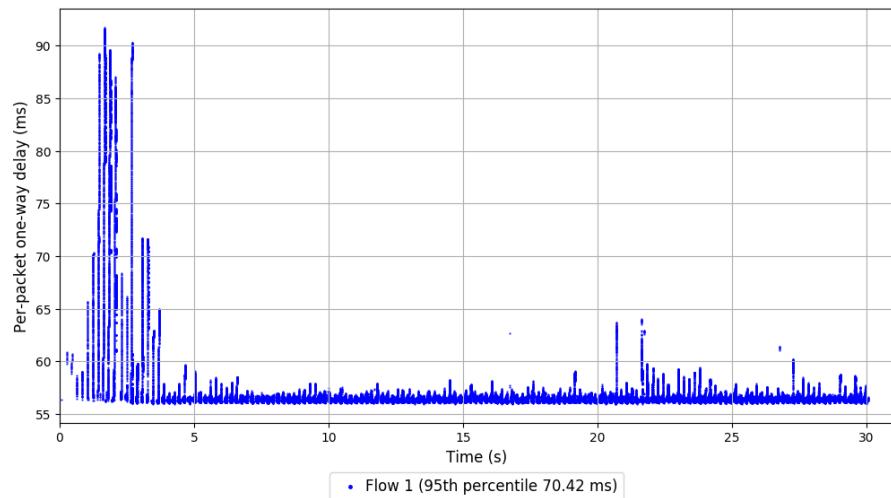
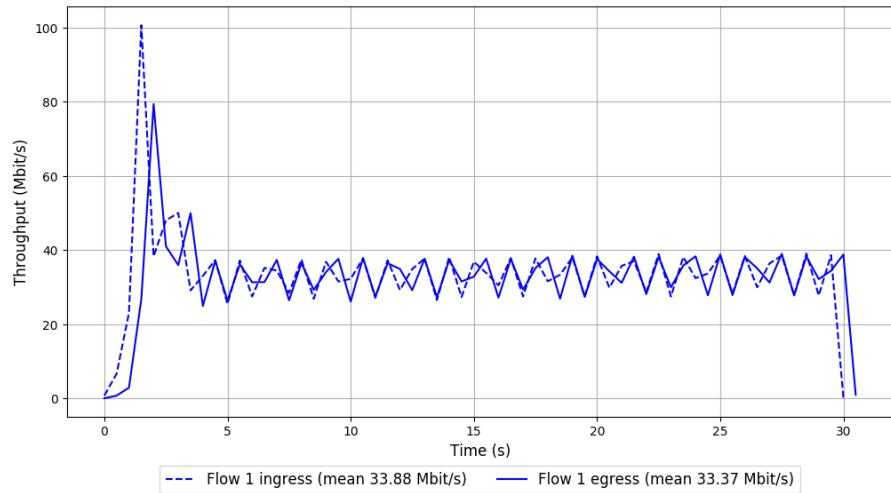


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-30 11:14:09
End at: 2018-05-30 11:14:39
Local clock offset: -3.356 ms
Remote clock offset: -38.072 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 70.415 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 70.415 ms
Loss rate: 1.52%
```

Run 6: Report of TCP Vegas — Data Link

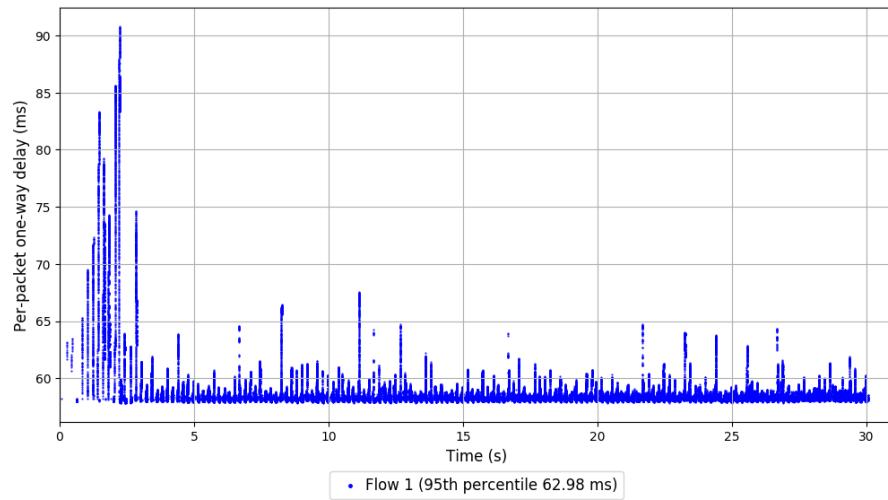
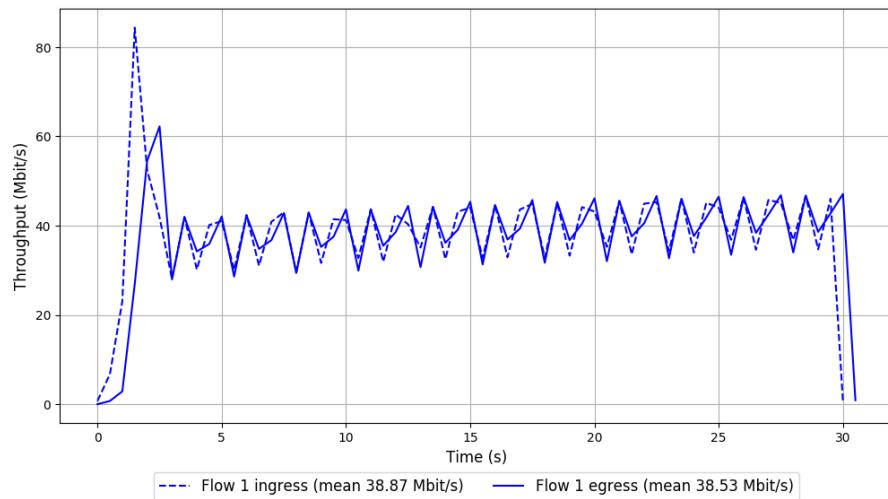


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-30 11:34:50
End at: 2018-05-30 11:35:20
Local clock offset: 2.31 ms
Remote clock offset: -33.154 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 62.977 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 62.977 ms
Loss rate: 0.86%
```

Run 7: Report of TCP Vegas — Data Link

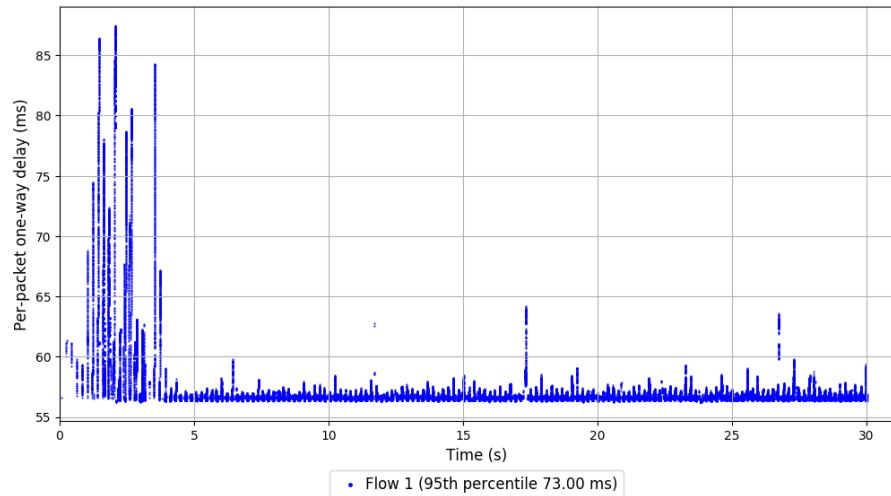
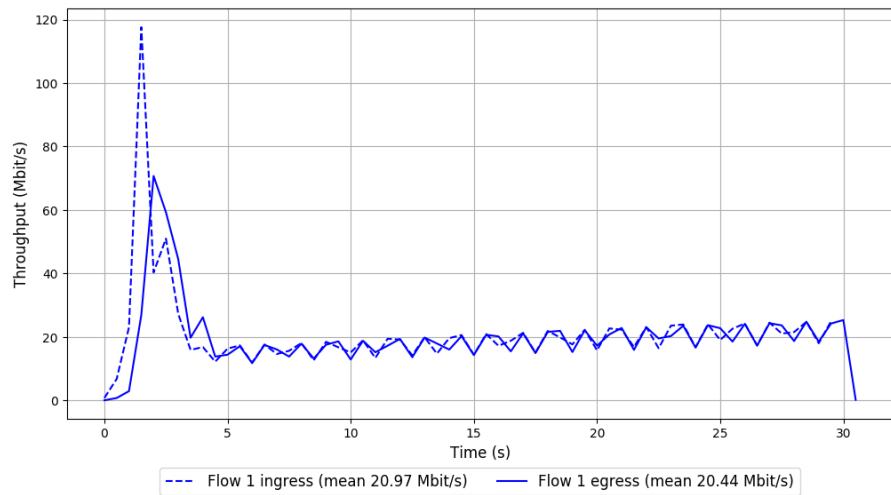


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-30 12:10:36
End at: 2018-05-30 12:11:06
Local clock offset: 2.859 ms
Remote clock offset: -32.188 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 72.995 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 72.995 ms
Loss rate: 2.51%
```

Run 8: Report of TCP Vegas — Data Link

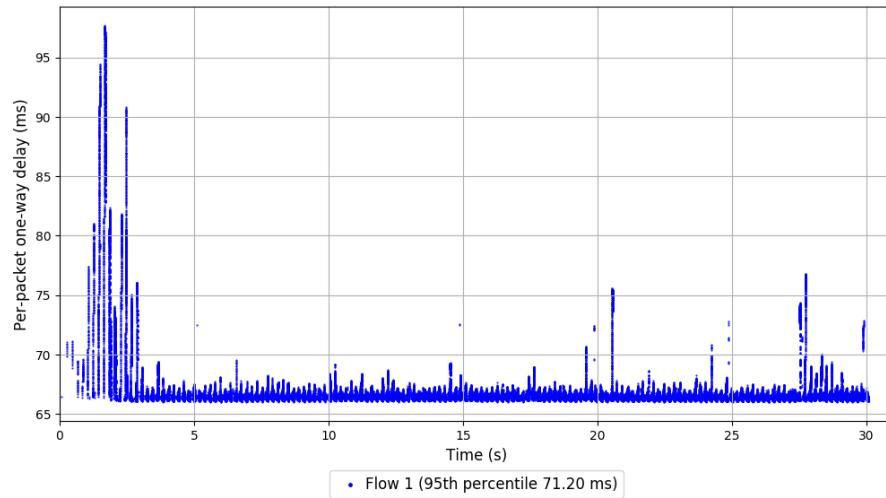
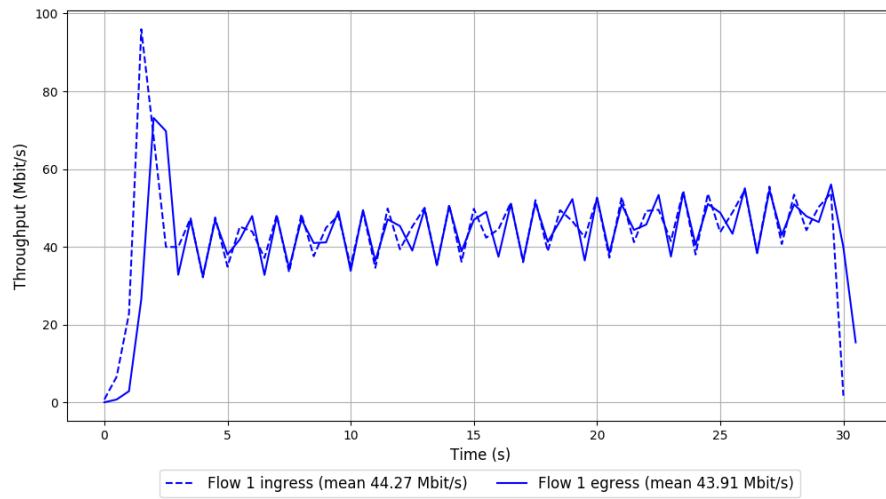


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-30 12:51:59
End at: 2018-05-30 12:52:29
Local clock offset: 0.978 ms
Remote clock offset: -28.026 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.91 Mbit/s
95th percentile per-packet one-way delay: 71.197 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 43.91 Mbit/s
95th percentile per-packet one-way delay: 71.197 ms
Loss rate: 0.83%
```

Run 9: Report of TCP Vegas — Data Link

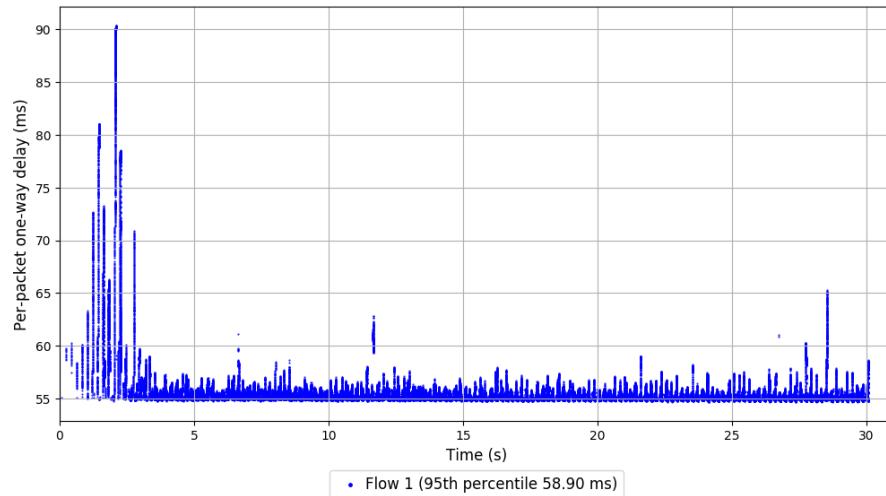
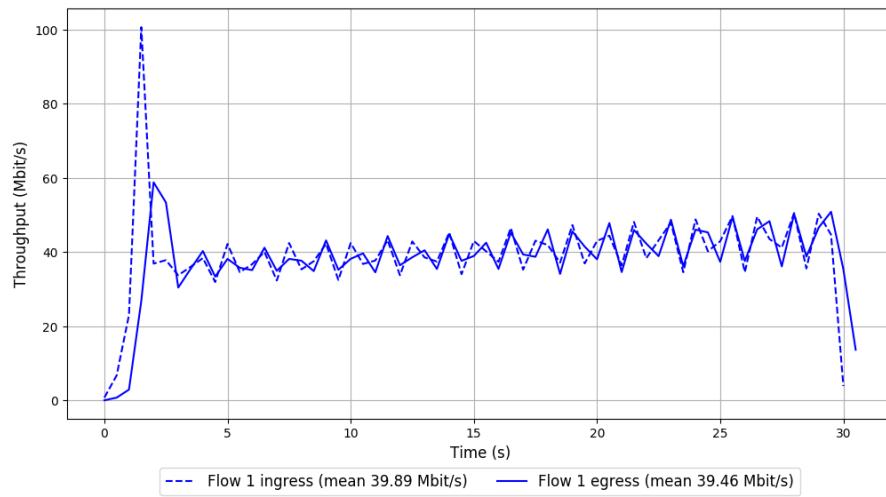


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-30 13:23:30
End at: 2018-05-30 13:24:00
Local clock offset: 0.241 ms
Remote clock offset: -36.324 ms

# Below is generated by plot.py at 2018-05-30 14:16:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 58.902 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 58.902 ms
Loss rate: 1.06%
```

Run 10: Report of TCP Vegas — Data Link

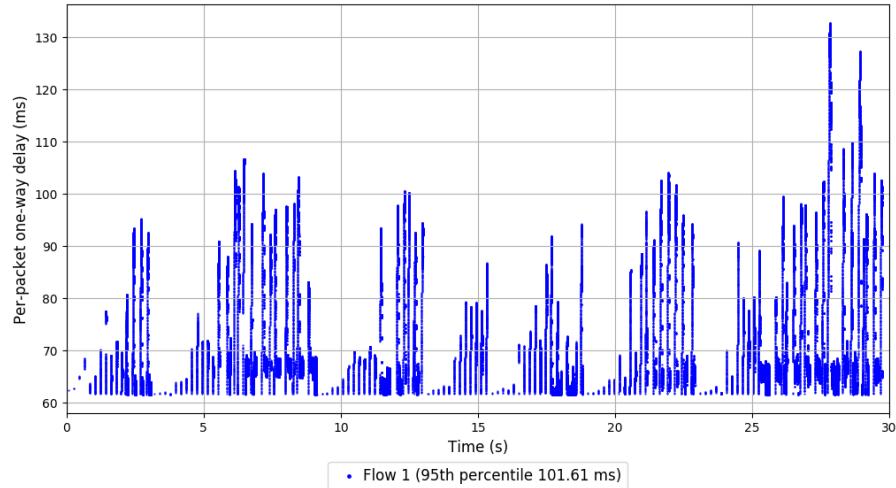
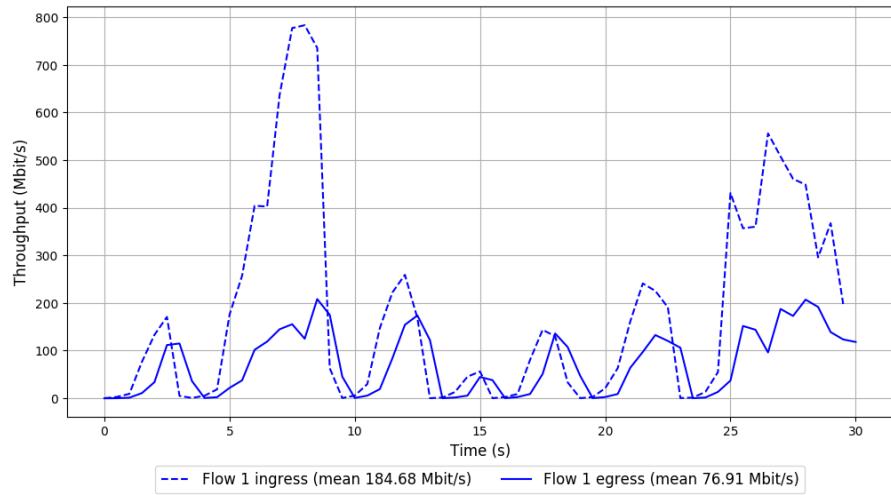


Run 1: Statistics of Verus

```
Start at: 2018-05-30 08:51:17
End at: 2018-05-30 08:51:47
Local clock offset: -1.596 ms
Remote clock offset: -35.319 ms

# Below is generated by plot.py at 2018-05-30 14:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 101.609 ms
Loss rate: 58.35%
-- Flow 1:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 101.609 ms
Loss rate: 58.35%
```

Run 1: Report of Verus — Data Link

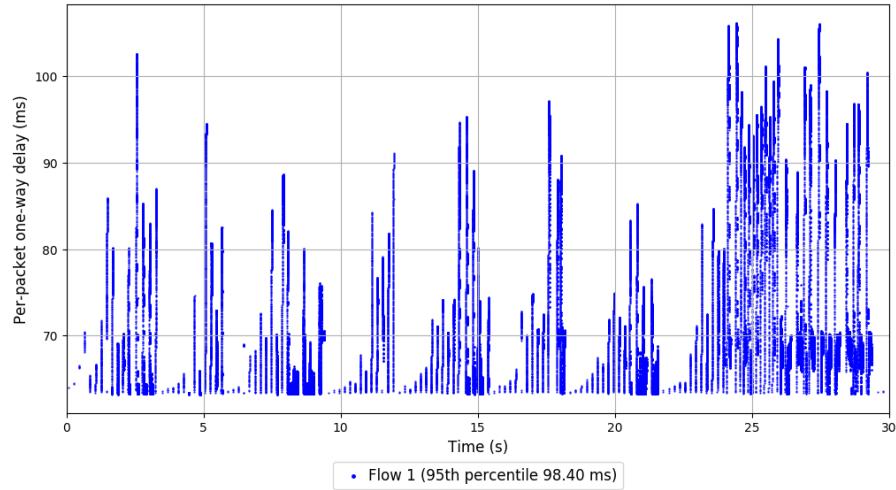
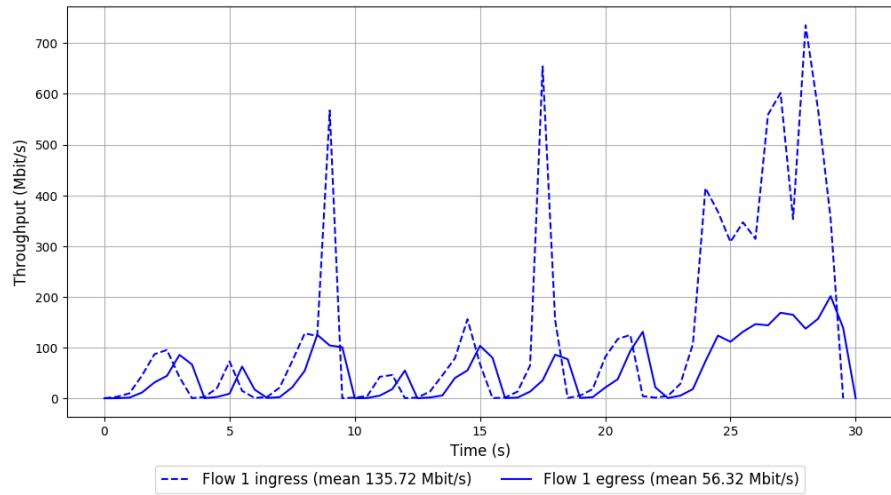


Run 2: Statistics of Verus

```
Start at: 2018-05-30 09:22:51
End at: 2018-05-30 09:23:21
Local clock offset: 0.137 ms
Remote clock offset: -33.864 ms

# Below is generated by plot.py at 2018-05-30 14:16:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.32 Mbit/s
95th percentile per-packet one-way delay: 98.400 ms
Loss rate: 58.50%
-- Flow 1:
Average throughput: 56.32 Mbit/s
95th percentile per-packet one-way delay: 98.400 ms
Loss rate: 58.50%
```

Run 2: Report of Verus — Data Link

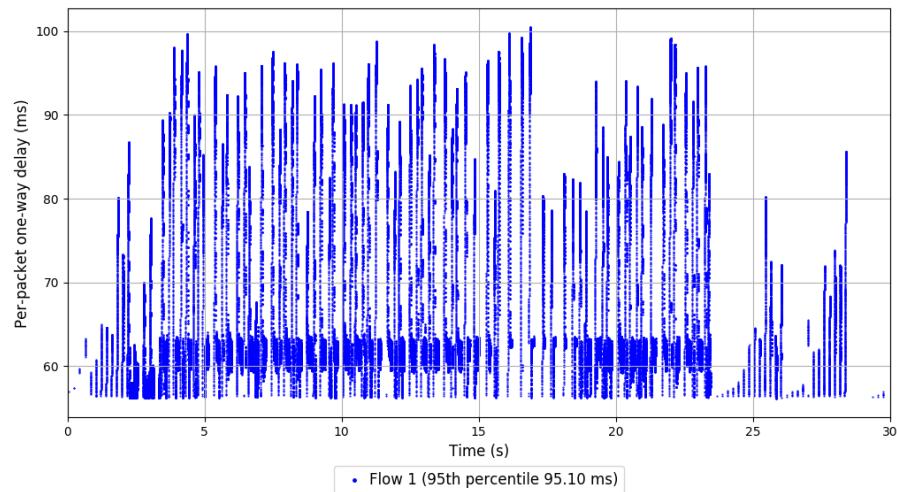
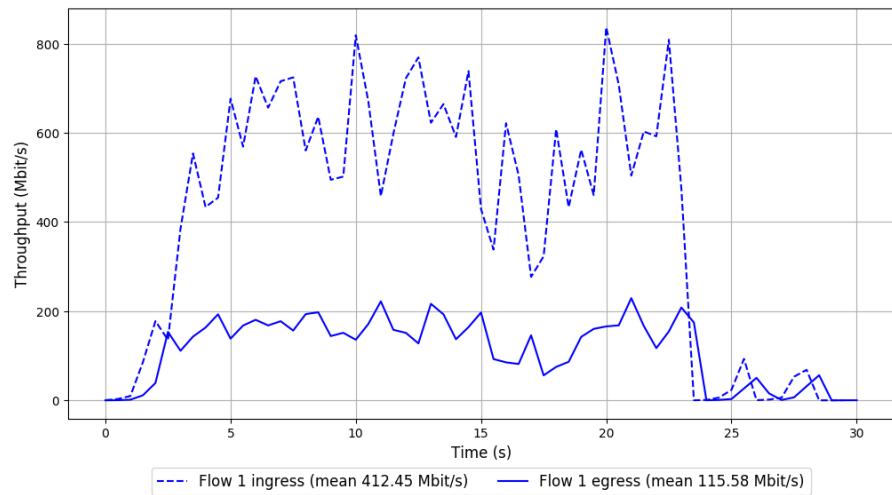


Run 3: Statistics of Verus

```
Start at: 2018-05-30 09:48:56
End at: 2018-05-30 09:49:26
Local clock offset: 0.368 ms
Remote clock offset: -37.031 ms

# Below is generated by plot.py at 2018-05-30 14:17:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 115.58 Mbit/s
95th percentile per-packet one-way delay: 95.101 ms
Loss rate: 71.98%
-- Flow 1:
Average throughput: 115.58 Mbit/s
95th percentile per-packet one-way delay: 95.101 ms
Loss rate: 71.98%
```

Run 3: Report of Verus — Data Link

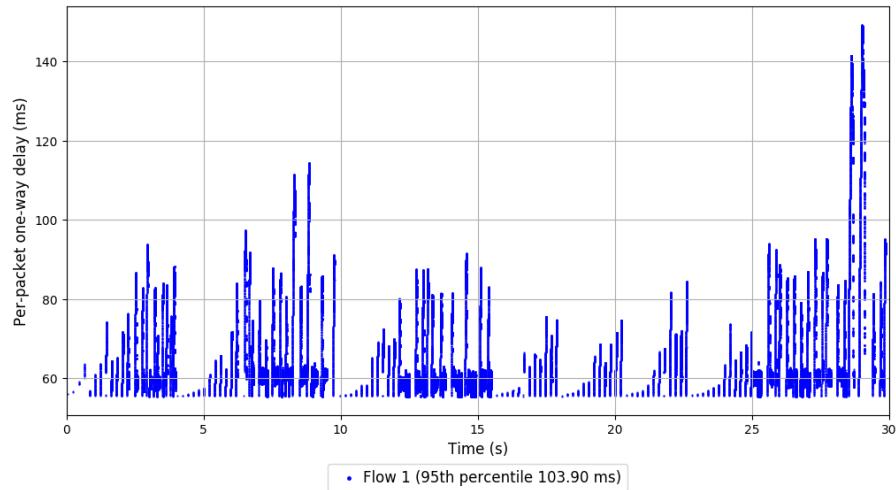
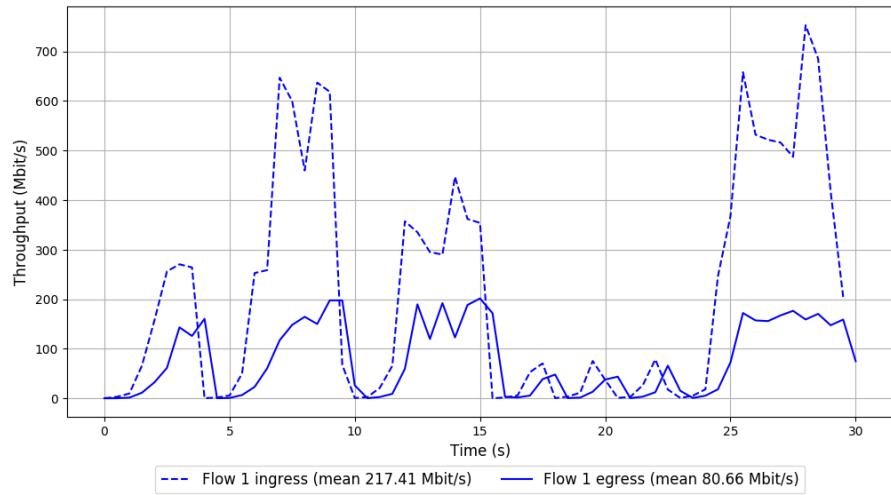


Run 4: Statistics of Verus

```
Start at: 2018-05-30 10:15:15
End at: 2018-05-30 10:15:45
Local clock offset: 0.182 ms
Remote clock offset: -38.226 ms

# Below is generated by plot.py at 2018-05-30 14:17:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 103.902 ms
Loss rate: 62.85%
-- Flow 1:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 103.902 ms
Loss rate: 62.85%
```

Run 4: Report of Verus — Data Link

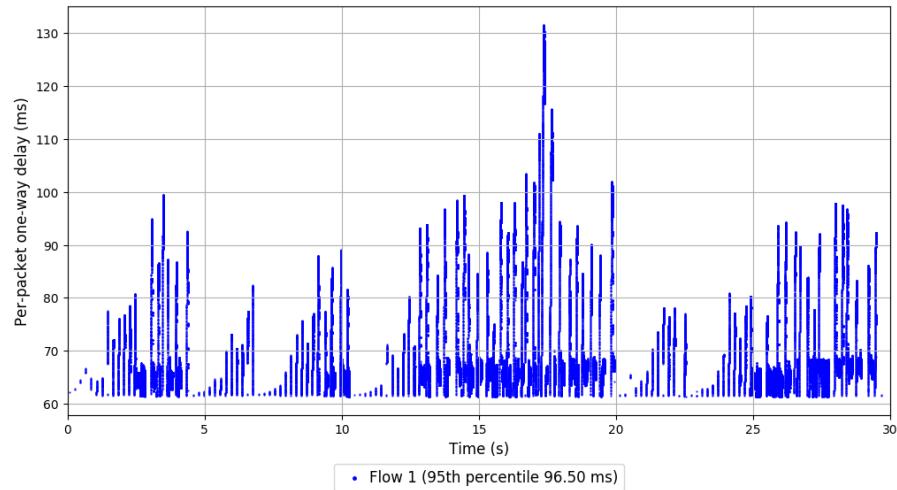
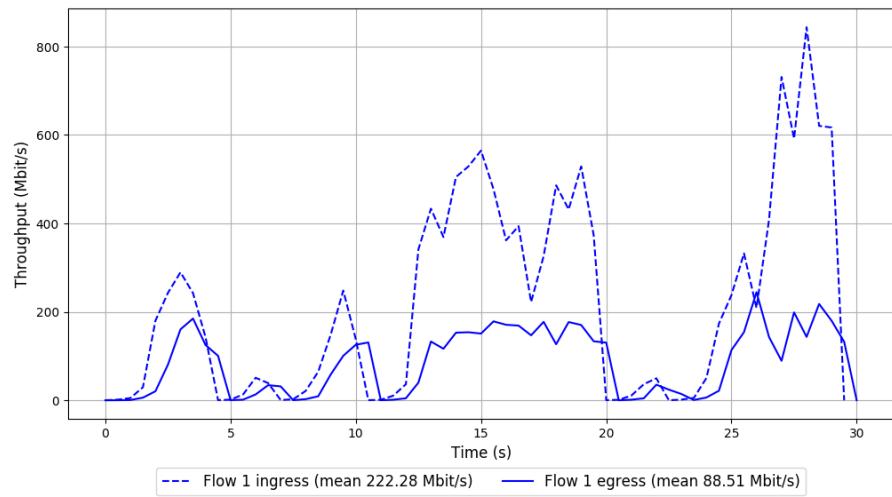


Run 5: Statistics of Verus

```
Start at: 2018-05-30 10:51:12
End at: 2018-05-30 10:51:42
Local clock offset: 2.313 ms
Remote clock offset: -31.023 ms

# Below is generated by plot.py at 2018-05-30 14:17:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 96.502 ms
Loss rate: 60.18%
-- Flow 1:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 96.502 ms
Loss rate: 60.18%
```

Run 5: Report of Verus — Data Link

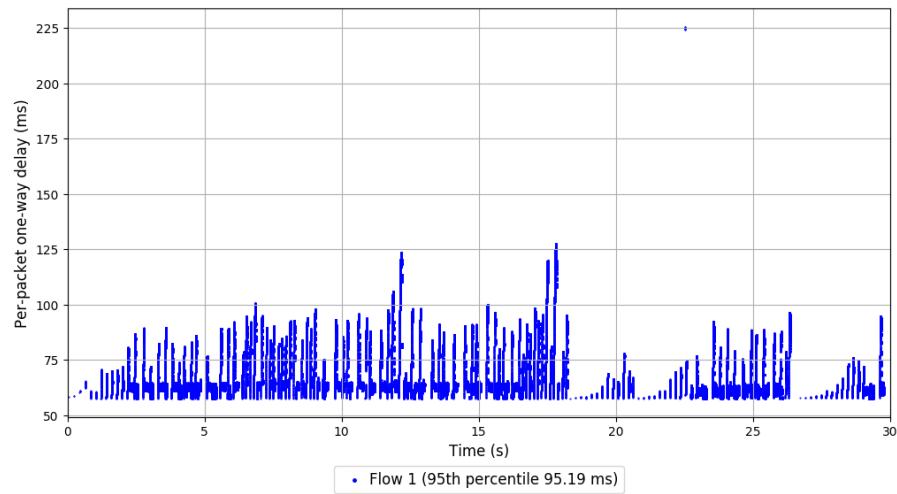
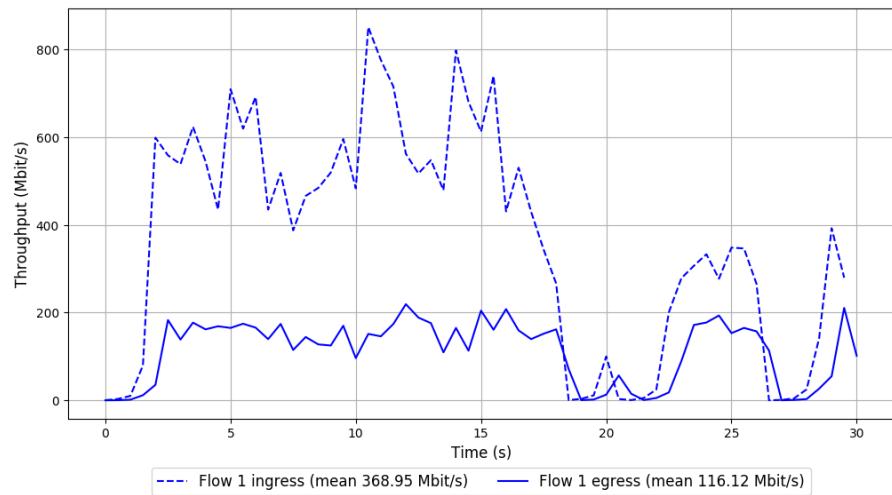


Run 6: Statistics of Verus

```
Start at: 2018-05-30 11:22:54
End at: 2018-05-30 11:23:24
Local clock offset: 0.345 ms
Remote clock offset: -33.675 ms

# Below is generated by plot.py at 2018-05-30 14:18:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 116.12 Mbit/s
95th percentile per-packet one-way delay: 95.185 ms
Loss rate: 68.52%
-- Flow 1:
Average throughput: 116.12 Mbit/s
95th percentile per-packet one-way delay: 95.185 ms
Loss rate: 68.52%
```

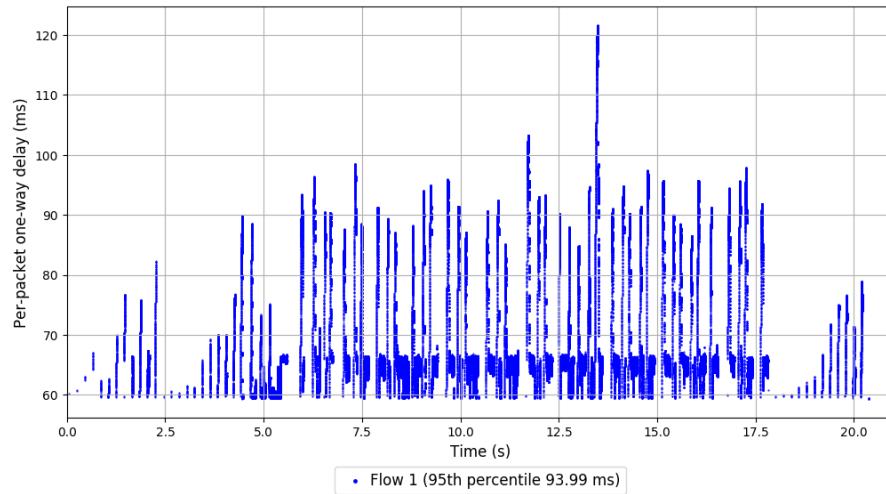
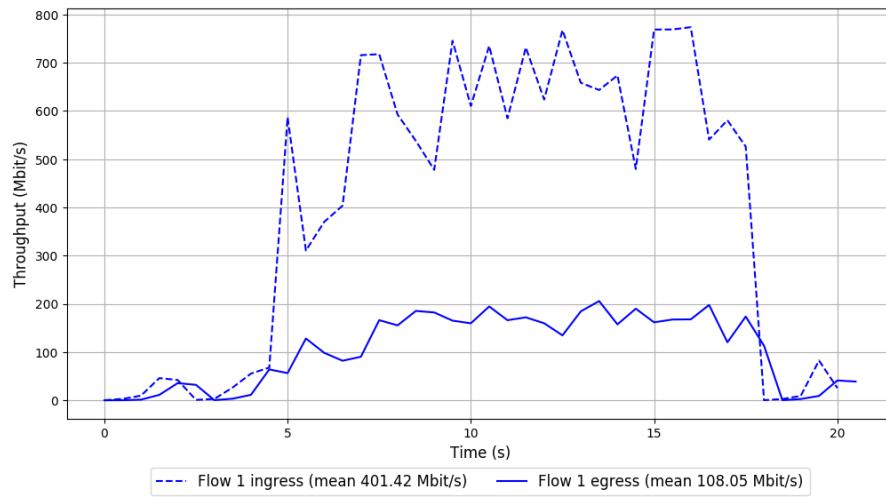
Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-30 11:53:13
End at: 2018-05-30 11:53:43
Local clock offset: -0.84 ms
Remote clock offset: -37.243 ms

Run 7: Report of Verus — Data Link

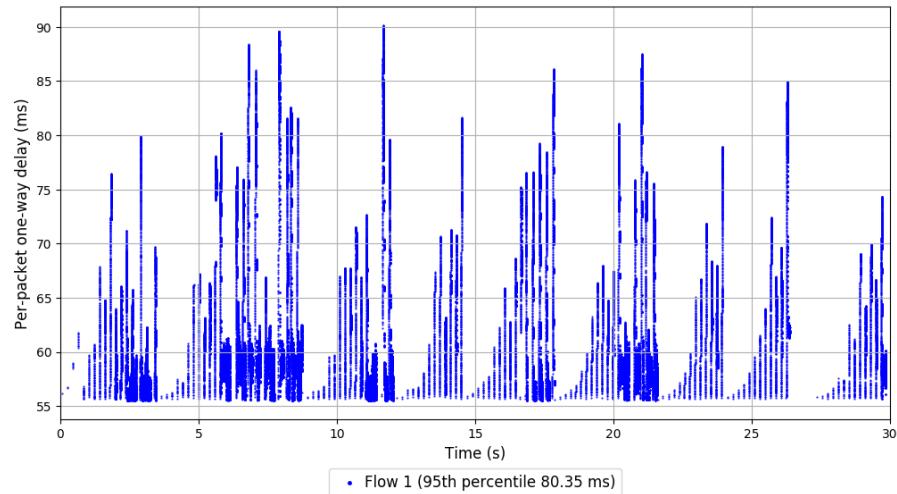
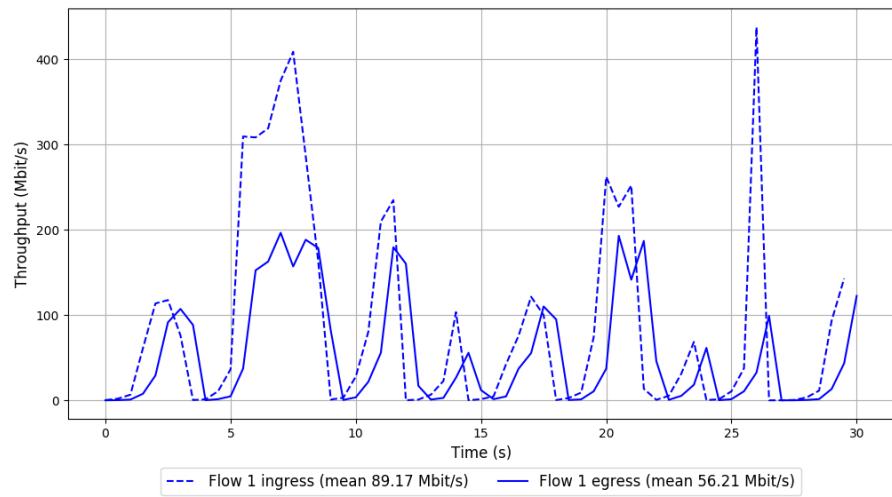


Run 8: Statistics of Verus

```
Start at: 2018-05-30 12:28:56
End at: 2018-05-30 12:29:26
Local clock offset: 0.501 ms
Remote clock offset: -36.034 ms

# Below is generated by plot.py at 2018-05-30 14:18:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 80.346 ms
Loss rate: 36.95%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 80.346 ms
Loss rate: 36.95%
```

Run 8: Report of Verus — Data Link

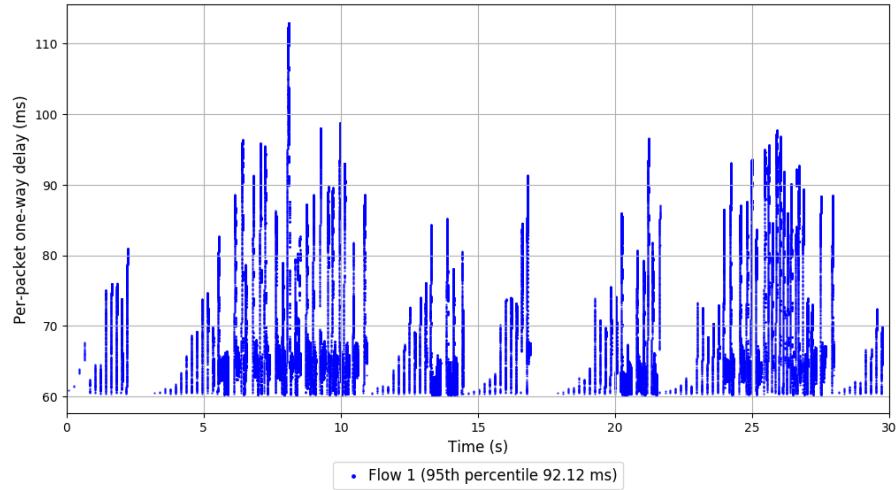
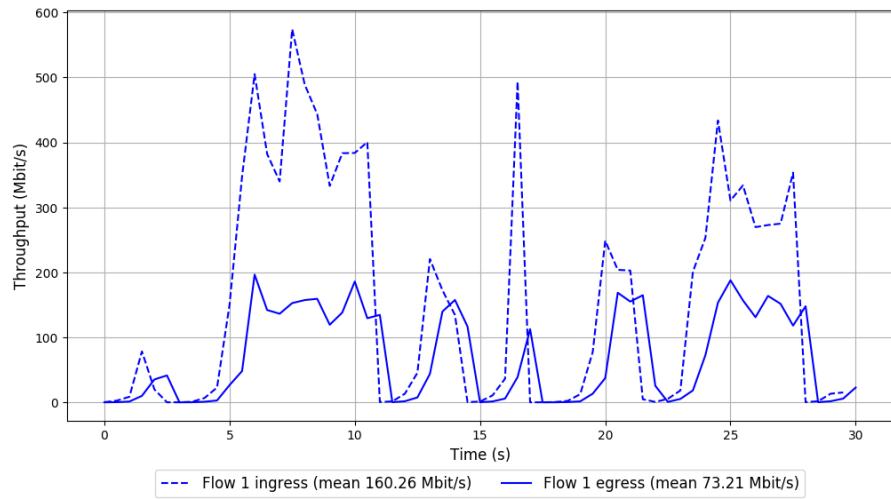


Run 9: Statistics of Verus

```
Start at: 2018-05-30 13:06:17
End at: 2018-05-30 13:06:47
Local clock offset: 0.321 ms
Remote clock offset: -31.936 ms

# Below is generated by plot.py at 2018-05-30 14:18:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.21 Mbit/s
95th percentile per-packet one-way delay: 92.120 ms
Loss rate: 54.31%
-- Flow 1:
Average throughput: 73.21 Mbit/s
95th percentile per-packet one-way delay: 92.120 ms
Loss rate: 54.31%
```

Run 9: Report of Verus — Data Link

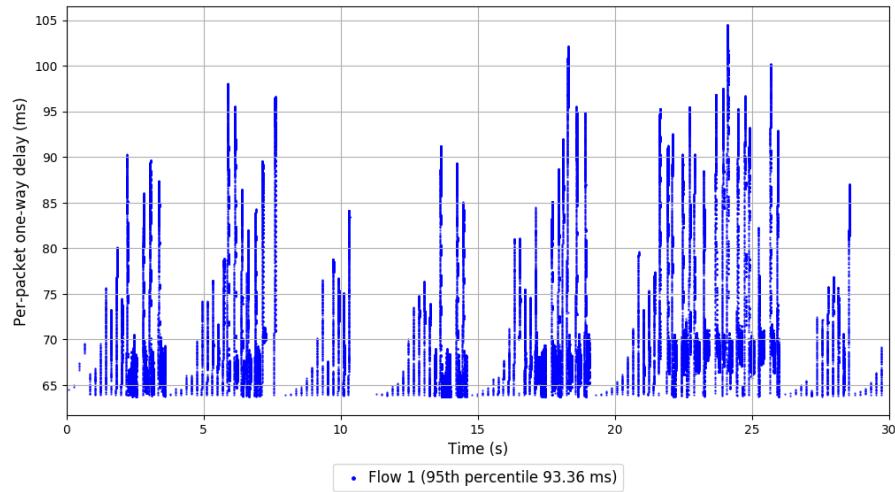
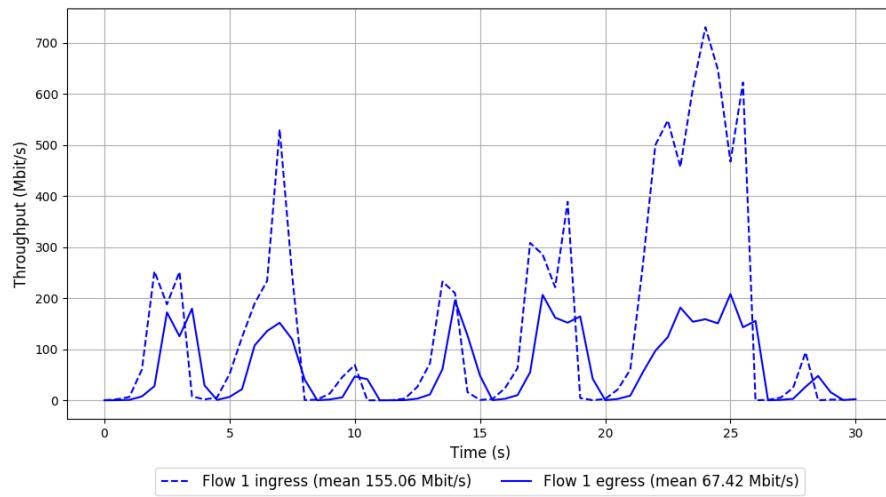


Run 10: Statistics of Verus

```
Start at: 2018-05-30 13:32:22
End at: 2018-05-30 13:32:52
Local clock offset: -1.296 ms
Remote clock offset: -27.737 ms

# Below is generated by plot.py at 2018-05-30 14:18:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 93.360 ms
Loss rate: 56.52%
-- Flow 1:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 93.360 ms
Loss rate: 56.52%
```

Run 10: Report of Verus — Data Link

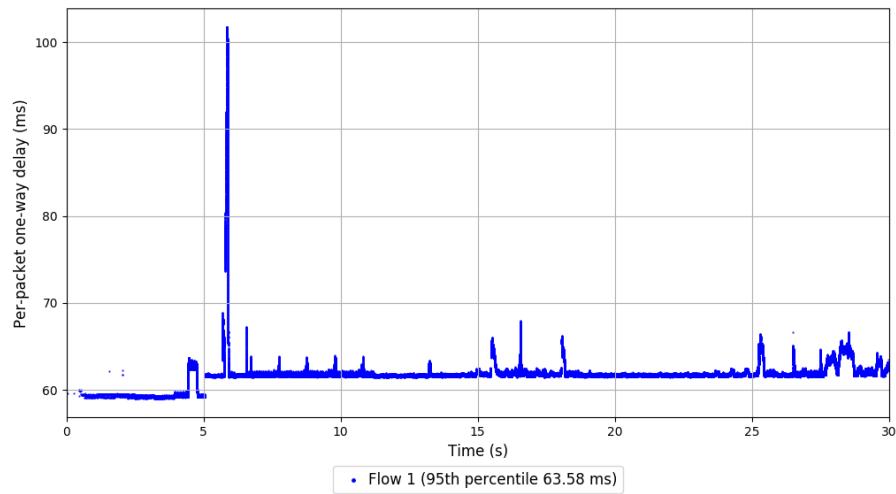
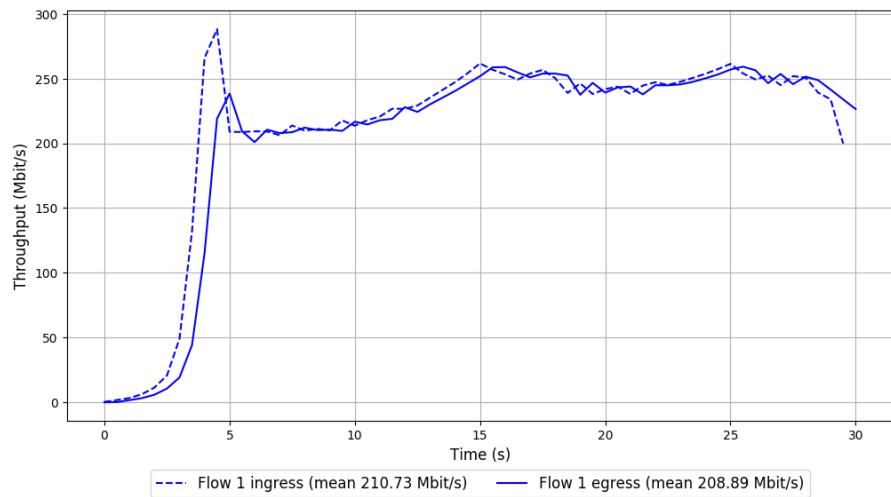


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-30 08:48:31
End at: 2018-05-30 08:49:01
Local clock offset: -0.08 ms
Remote clock offset: -36.223 ms

# Below is generated by plot.py at 2018-05-30 14:19:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.89 Mbit/s
95th percentile per-packet one-way delay: 63.584 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 208.89 Mbit/s
95th percentile per-packet one-way delay: 63.584 ms
Loss rate: 0.87%
```

Run 1: Report of PCC-Vivace — Data Link

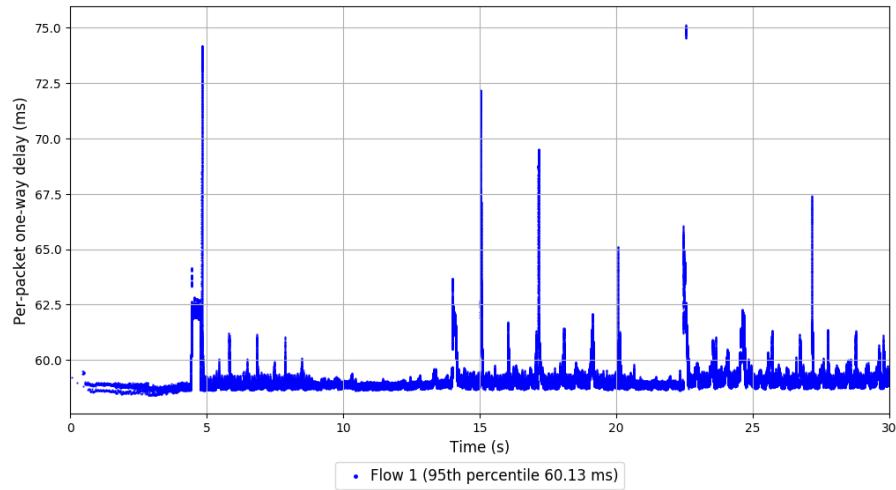
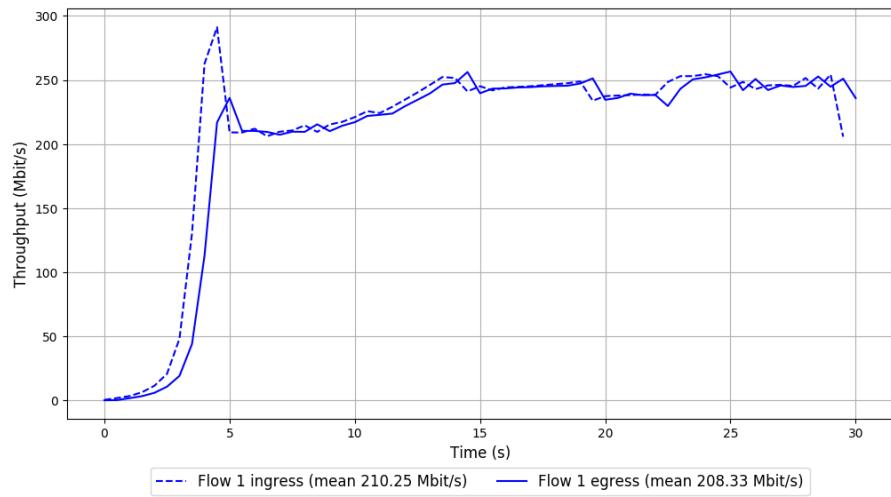


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-30 09:20:13
End at: 2018-05-30 09:20:43
Local clock offset: 1.877 ms
Remote clock offset: -35.896 ms

# Below is generated by plot.py at 2018-05-30 14:19:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.33 Mbit/s
95th percentile per-packet one-way delay: 60.131 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 208.33 Mbit/s
95th percentile per-packet one-way delay: 60.131 ms
Loss rate: 0.92%
```

Run 2: Report of PCC-Vivace — Data Link

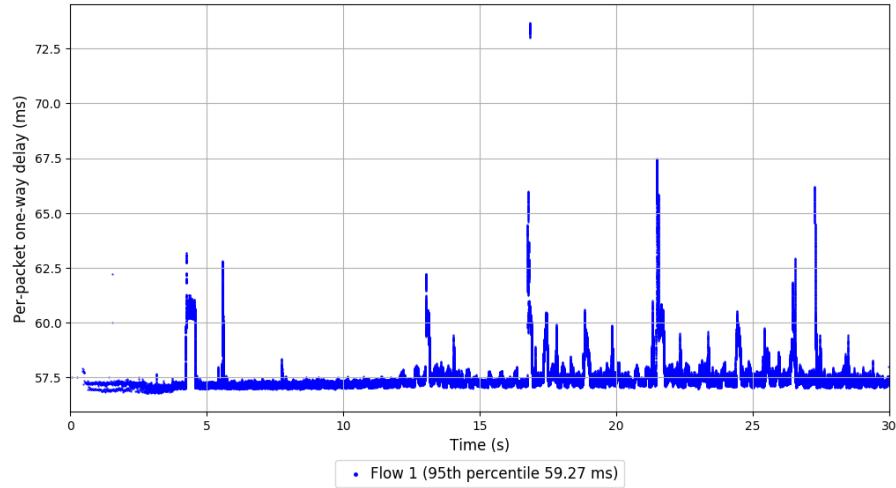
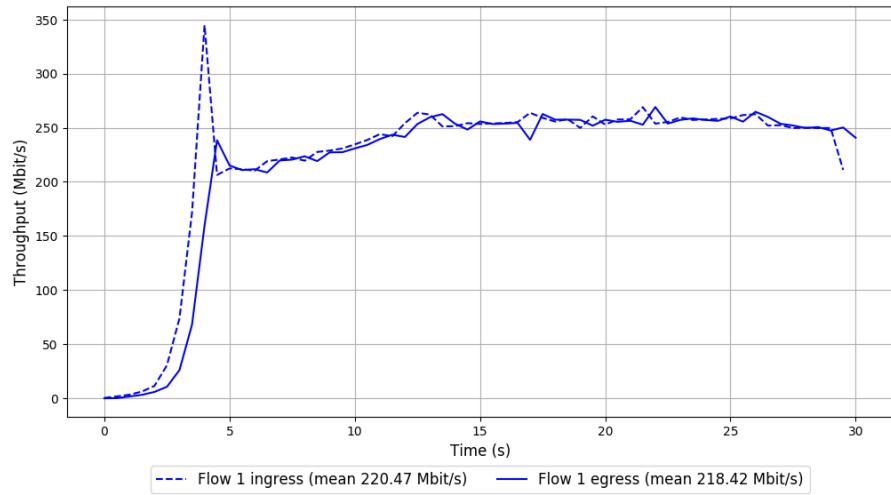


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-30 09:46:18
End at: 2018-05-30 09:46:48
Local clock offset: 0.331 ms
Remote clock offset: -36.425 ms

# Below is generated by plot.py at 2018-05-30 14:20:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.42 Mbit/s
95th percentile per-packet one-way delay: 59.267 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 218.42 Mbit/s
95th percentile per-packet one-way delay: 59.267 ms
Loss rate: 0.93%
```

Run 3: Report of PCC-Vivace — Data Link

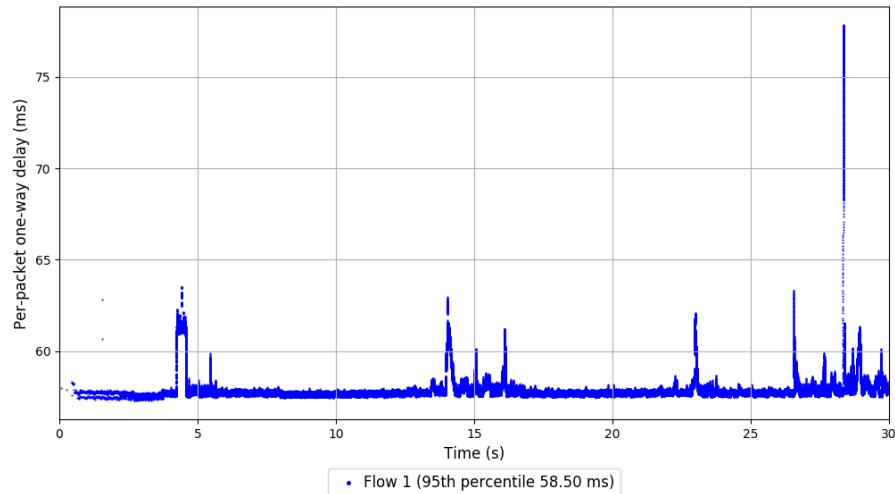
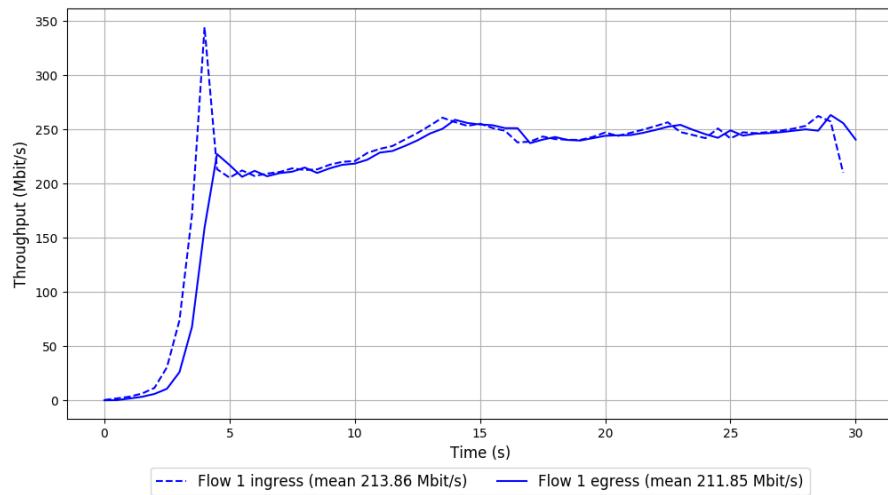


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-30 10:12:37
End at: 2018-05-30 10:13:07
Local clock offset: -0.545 ms
Remote clock offset: -34.845 ms

# Below is generated by plot.py at 2018-05-30 14:20:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.85 Mbit/s
95th percentile per-packet one-way delay: 58.502 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 211.85 Mbit/s
95th percentile per-packet one-way delay: 58.502 ms
Loss rate: 0.94%
```

Run 4: Report of PCC-Vivace — Data Link

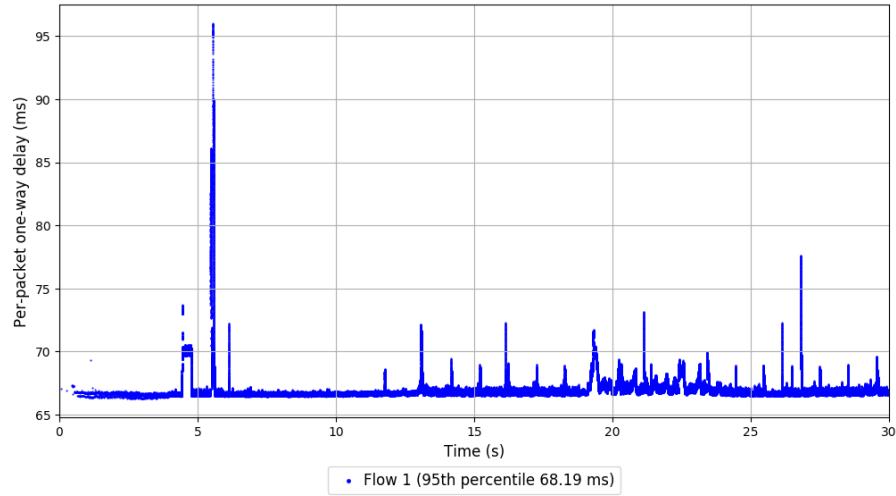
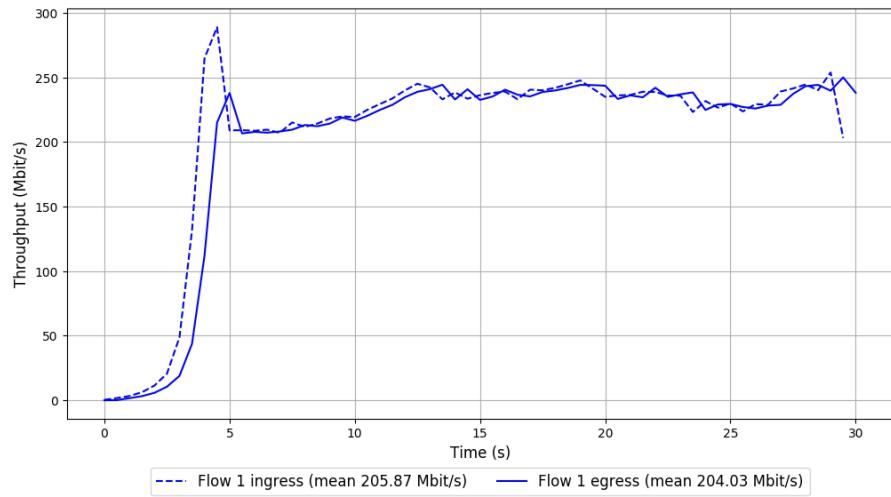


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-30 10:48:26
End at: 2018-05-30 10:48:56
Local clock offset: -0.762 ms
Remote clock offset: -26.886 ms

# Below is generated by plot.py at 2018-05-30 14:20:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.03 Mbit/s
95th percentile per-packet one-way delay: 68.189 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 204.03 Mbit/s
95th percentile per-packet one-way delay: 68.189 ms
Loss rate: 0.89%
```

Run 5: Report of PCC-Vivace — Data Link

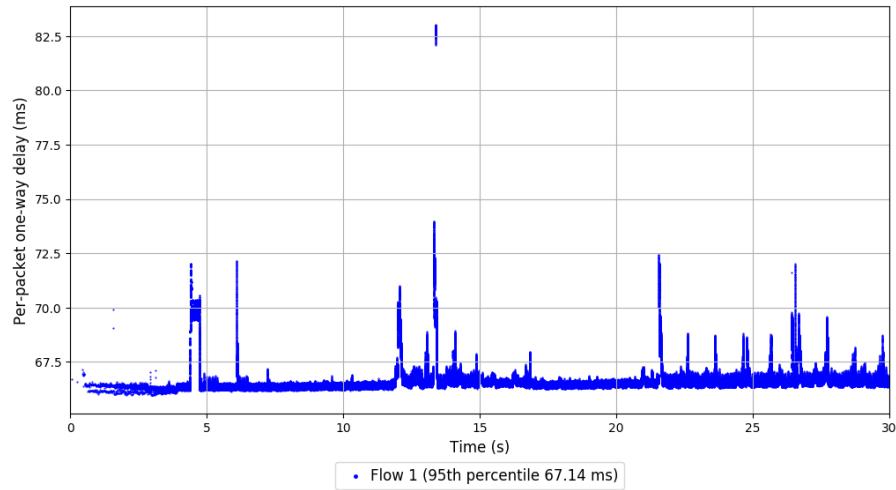
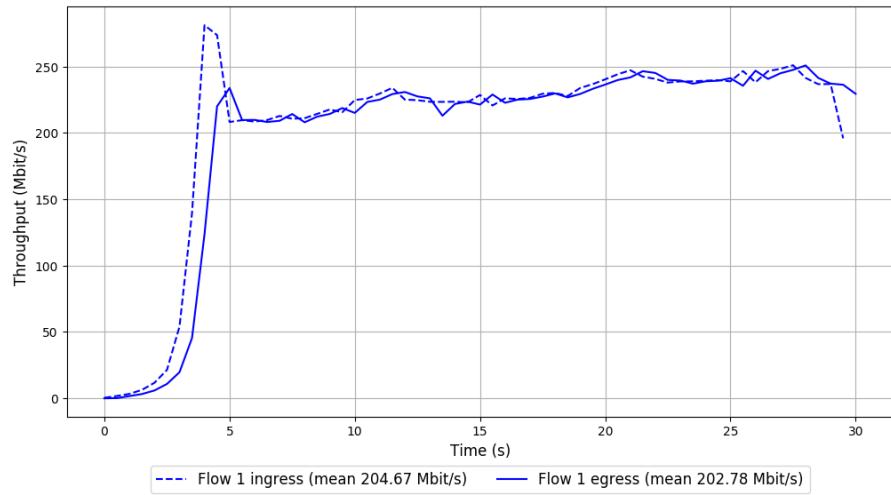


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-30 11:20:17
End at: 2018-05-30 11:20:47
Local clock offset: -3.773 ms
Remote clock offset: -28.12 ms

# Below is generated by plot.py at 2018-05-30 14:20:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.78 Mbit/s
95th percentile per-packet one-way delay: 67.137 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 202.78 Mbit/s
95th percentile per-packet one-way delay: 67.137 ms
Loss rate: 0.92%
```

Run 6: Report of PCC-Vivace — Data Link

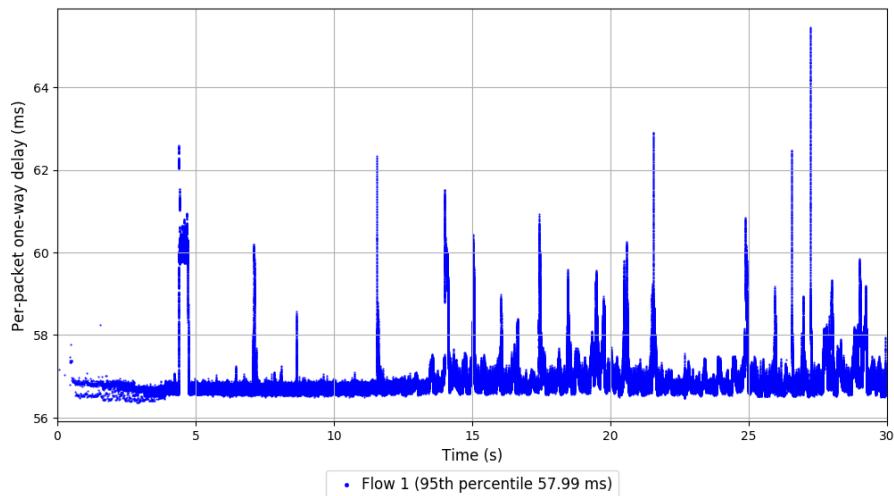
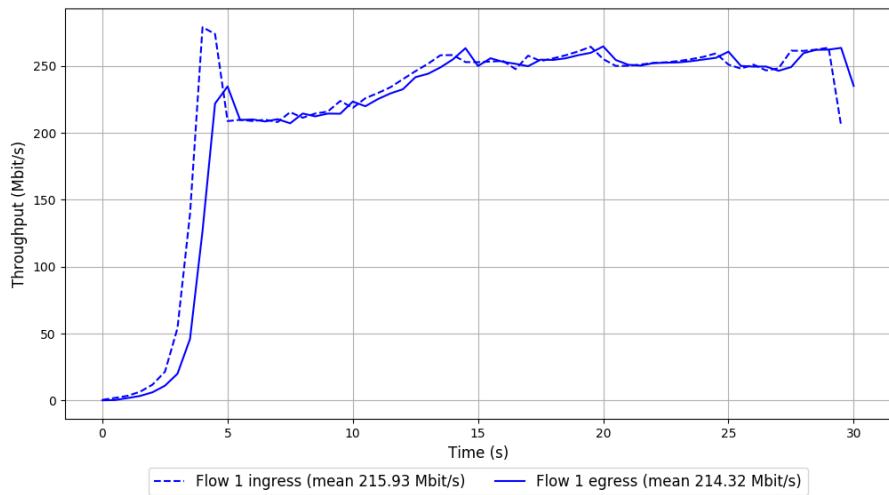


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-30 11:50:35
End at: 2018-05-30 11:51:05
Local clock offset: 0.401 ms
Remote clock offset: -36.465 ms

# Below is generated by plot.py at 2018-05-30 14:20:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.32 Mbit/s
95th percentile per-packet one-way delay: 57.993 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 214.32 Mbit/s
95th percentile per-packet one-way delay: 57.993 ms
Loss rate: 0.75%
```

Run 7: Report of PCC-Vivace — Data Link

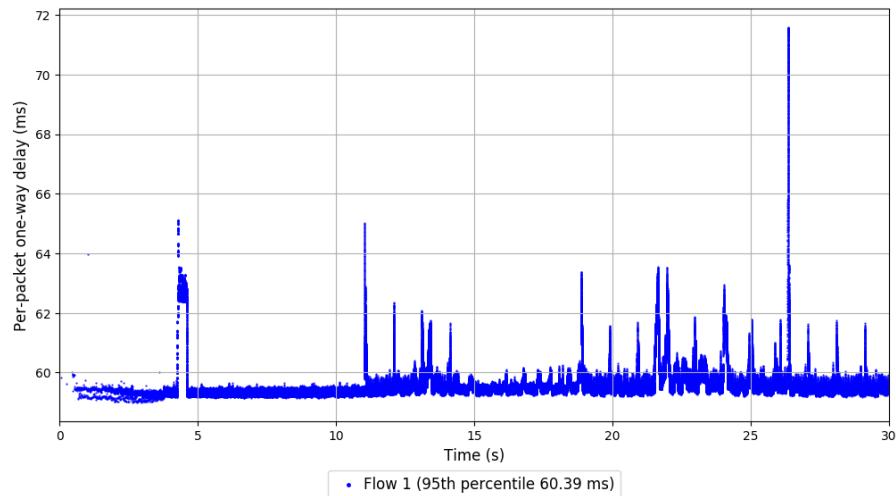
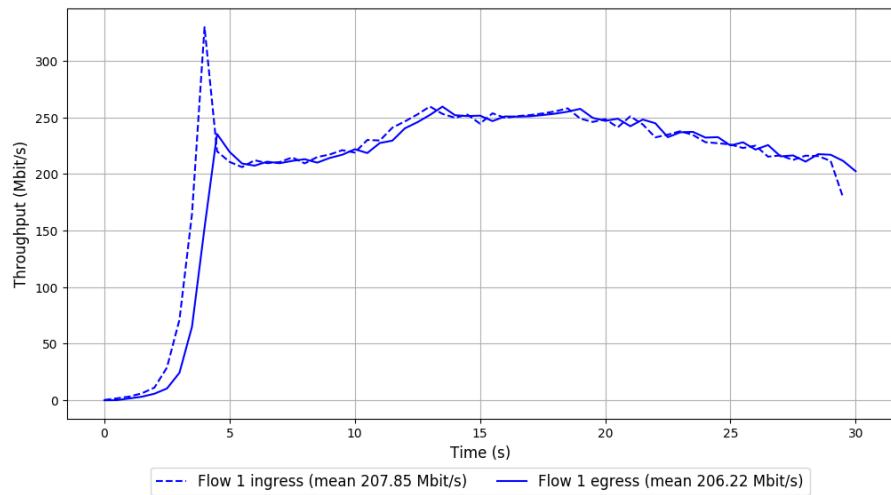


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-30 12:16:43
End at: 2018-05-30 12:17:13
Local clock offset: 0.338 ms
Remote clock offset: -34.282 ms

# Below is generated by plot.py at 2018-05-30 14:20:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.22 Mbit/s
95th percentile per-packet one-way delay: 60.390 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 206.22 Mbit/s
95th percentile per-packet one-way delay: 60.390 ms
Loss rate: 0.79%
```

Run 8: Report of PCC-Vivace — Data Link

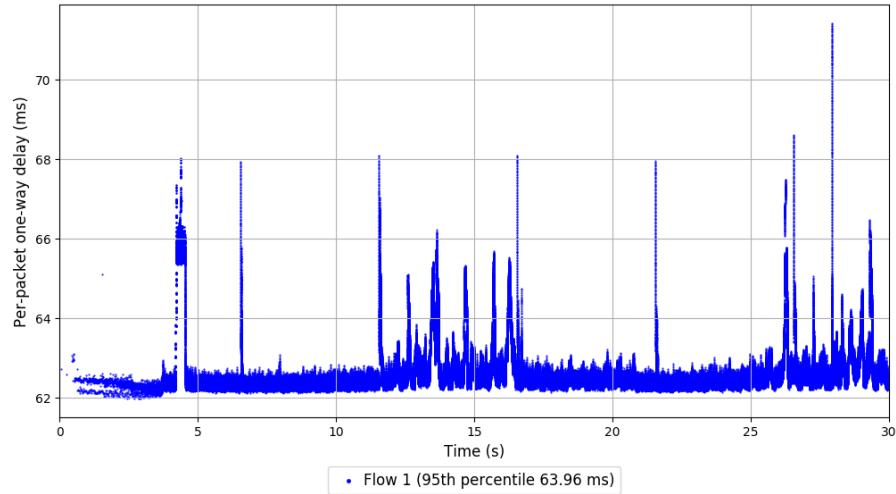
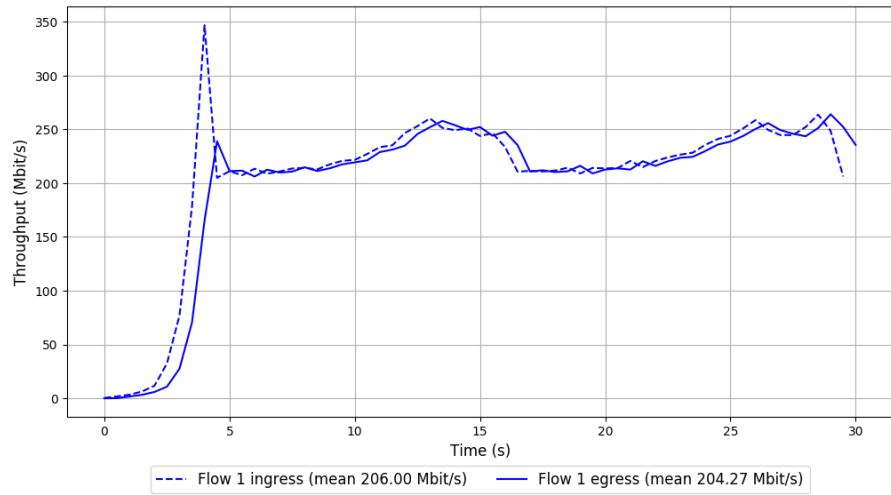


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-30 13:03:39
End at: 2018-05-30 13:04:09
Local clock offset: 2.048 ms
Remote clock offset: -28.364 ms

# Below is generated by plot.py at 2018-05-30 14:21:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.27 Mbit/s
95th percentile per-packet one-way delay: 63.961 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 204.27 Mbit/s
95th percentile per-packet one-way delay: 63.961 ms
Loss rate: 0.84%
```

Run 9: Report of PCC-Vivace — Data Link

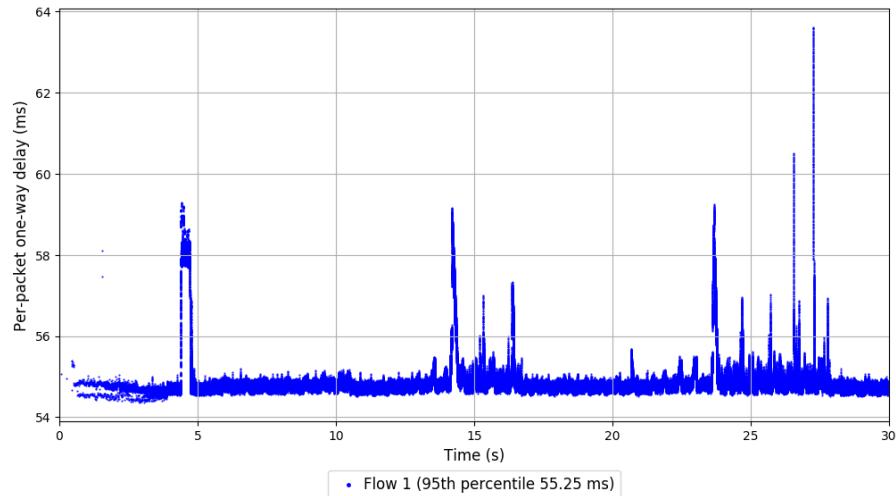
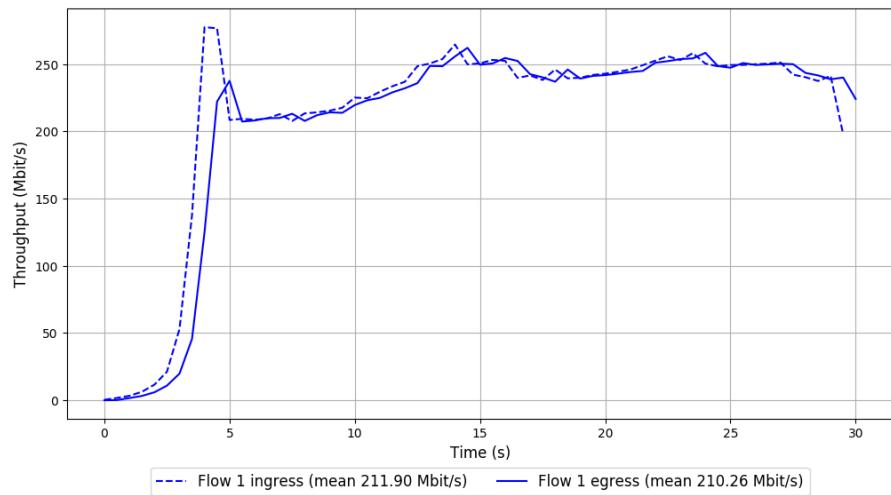


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-30 13:29:44
End at: 2018-05-30 13:30:14
Local clock offset: 0.634 ms
Remote clock offset: -35.552 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.26 Mbit/s
95th percentile per-packet one-way delay: 55.252 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 210.26 Mbit/s
95th percentile per-packet one-way delay: 55.252 ms
Loss rate: 0.77%
```

Run 10: Report of PCC-Vivace — Data Link

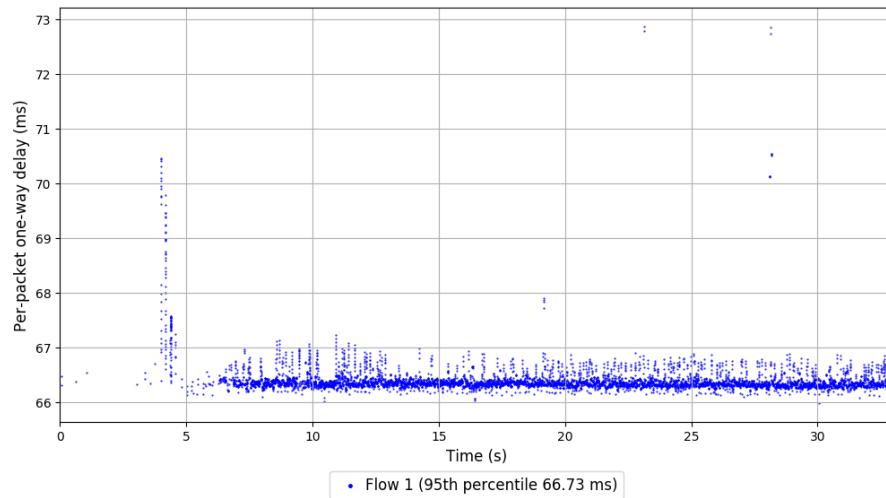
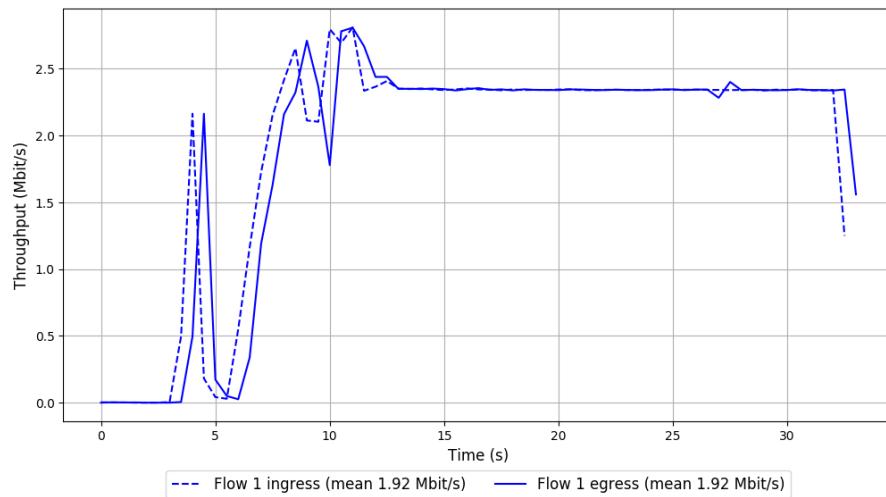


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-30 08:30:12
End at: 2018-05-30 08:30:42
Local clock offset: -1.781 ms
Remote clock offset: -31.865 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 66.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 66.730 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

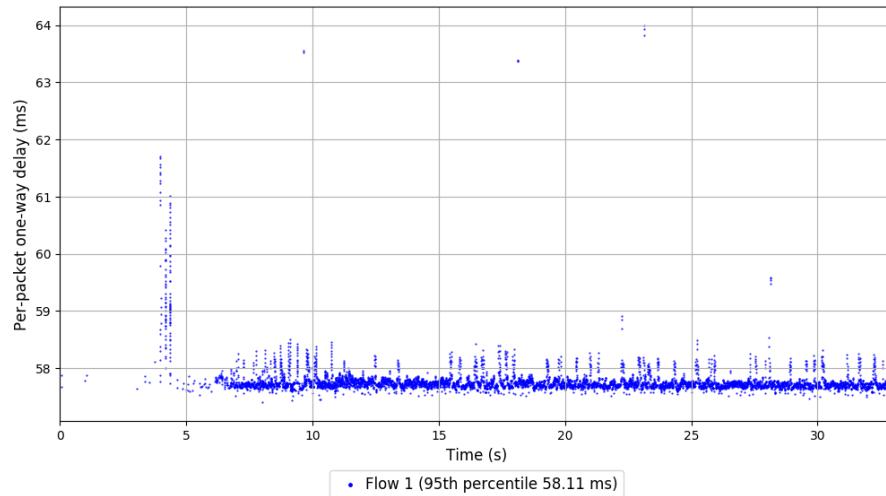
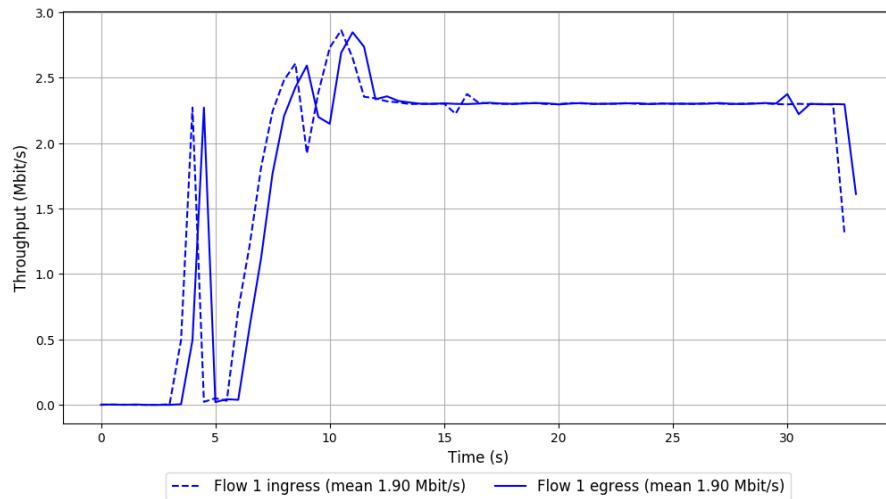


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-30 09:12:56
End at: 2018-05-30 09:13:26
Local clock offset: -1.404 ms
Remote clock offset: -38.505 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 58.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 58.108 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

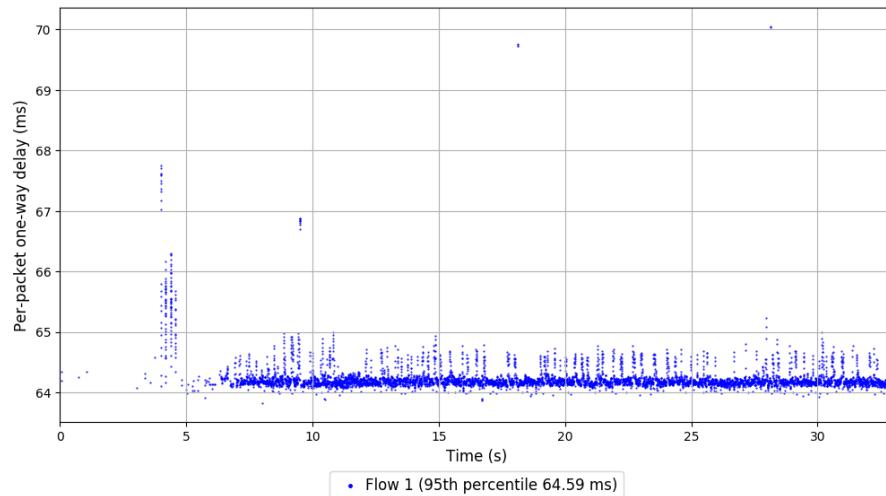
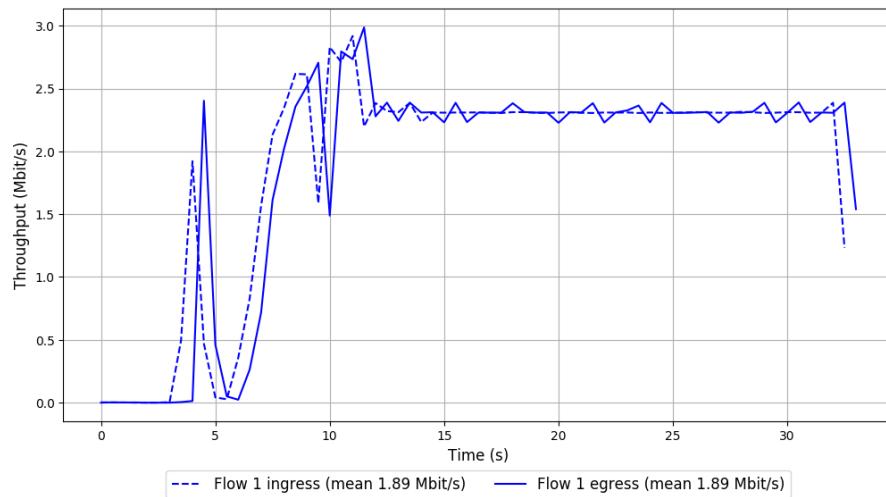


```
Run 3: Statistics of WebRTC media

Start at: 2018-05-30 09:39:01
End at: 2018-05-30 09:39:31
Local clock offset: -0.702 ms
Remote clock offset: -30.281 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 64.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 64.591 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

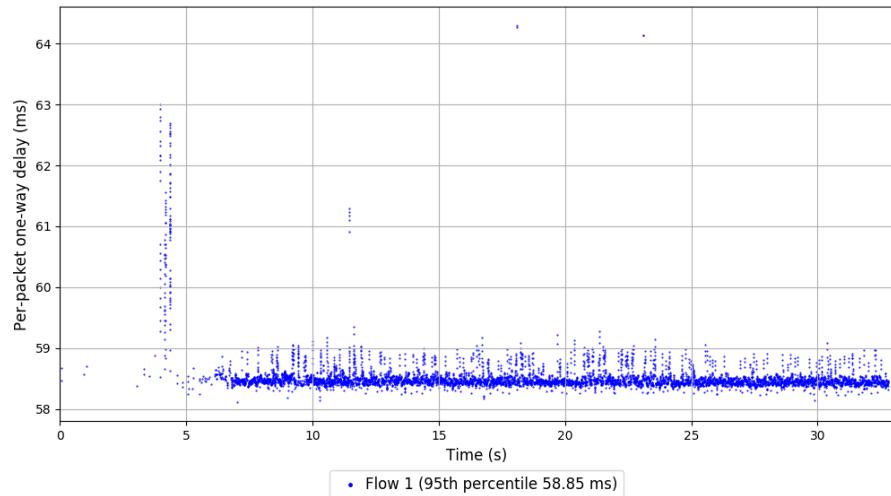
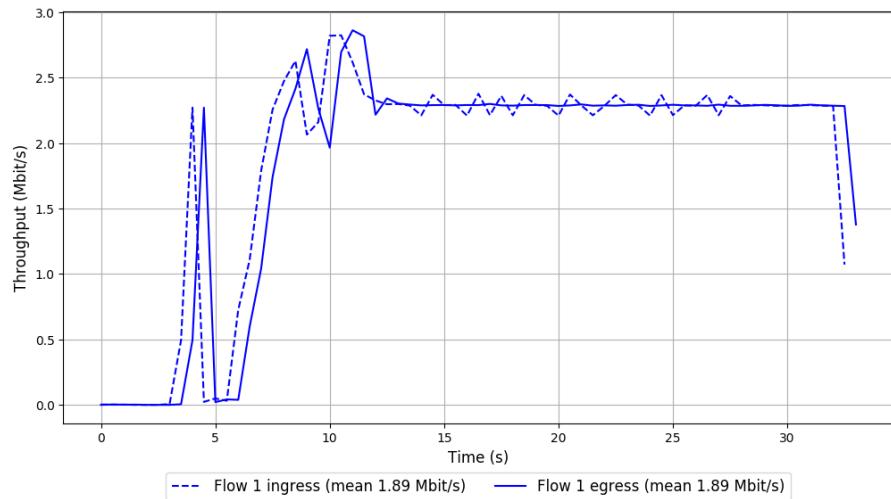


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-30 10:05:21
End at: 2018-05-30 10:05:51
Local clock offset: -2.462 ms
Remote clock offset: -35.869 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 58.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 58.850 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

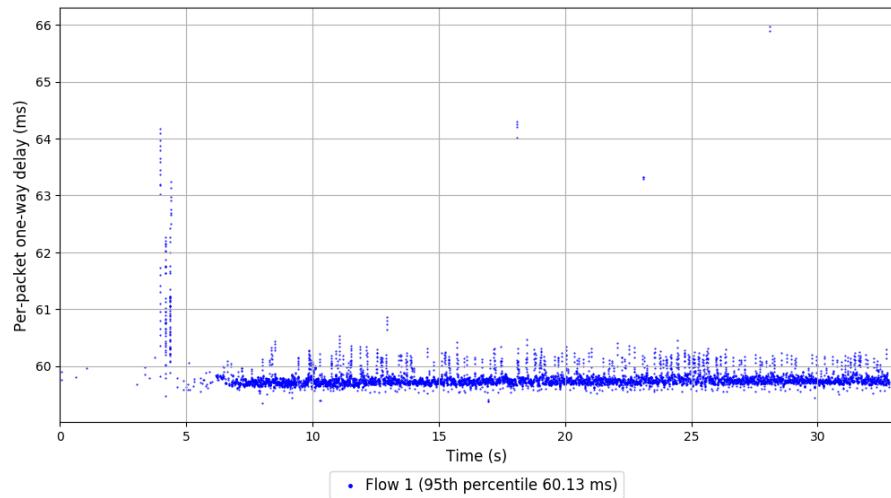
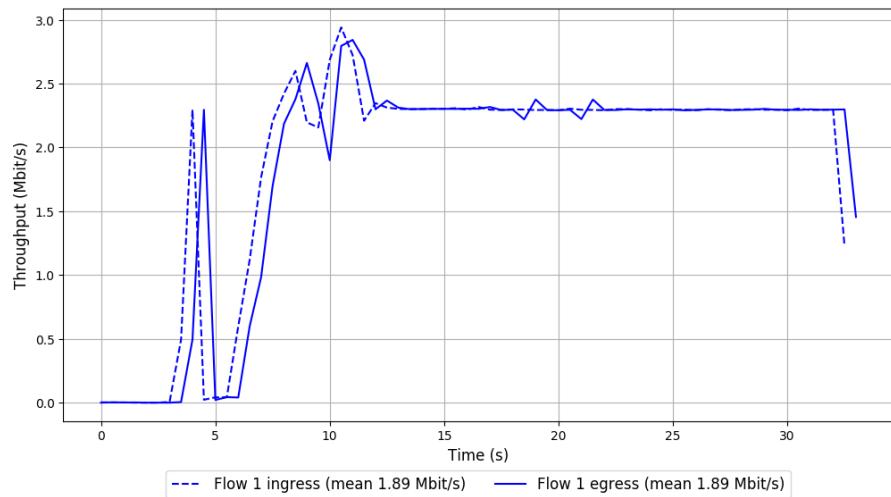


```
Run 5: Statistics of WebRTC media

Start at: 2018-05-30 10:25:59
End at: 2018-05-30 10:26:29
Local clock offset: -0.721 ms
Remote clock offset: -35.478 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 60.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 60.131 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

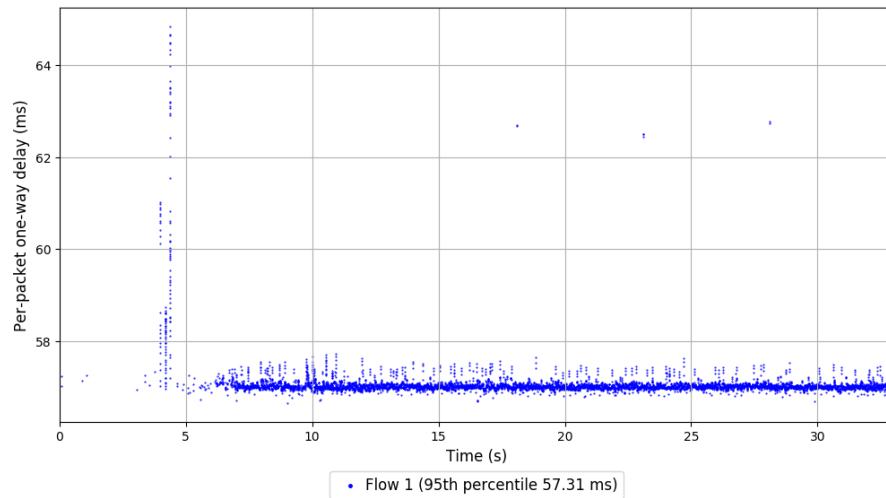
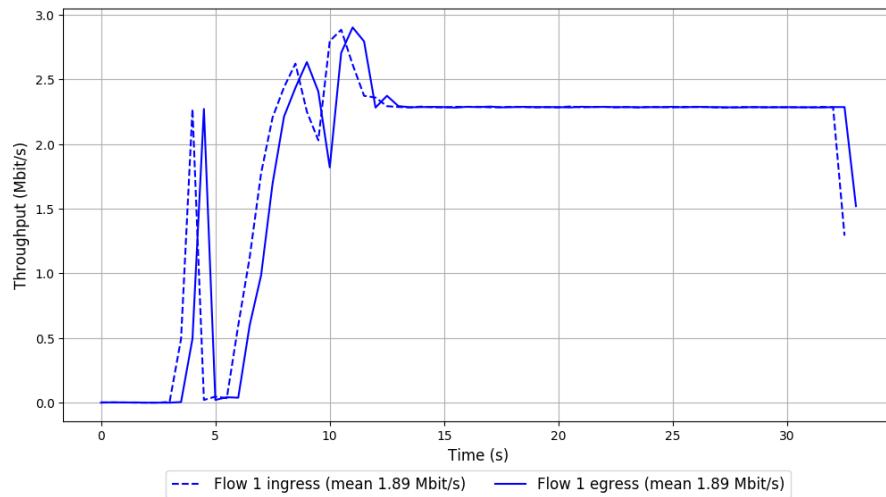


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-30 11:13:00
End at: 2018-05-30 11:13:30
Local clock offset: 1.073 ms
Remote clock offset: -33.034 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 57.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 57.308 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

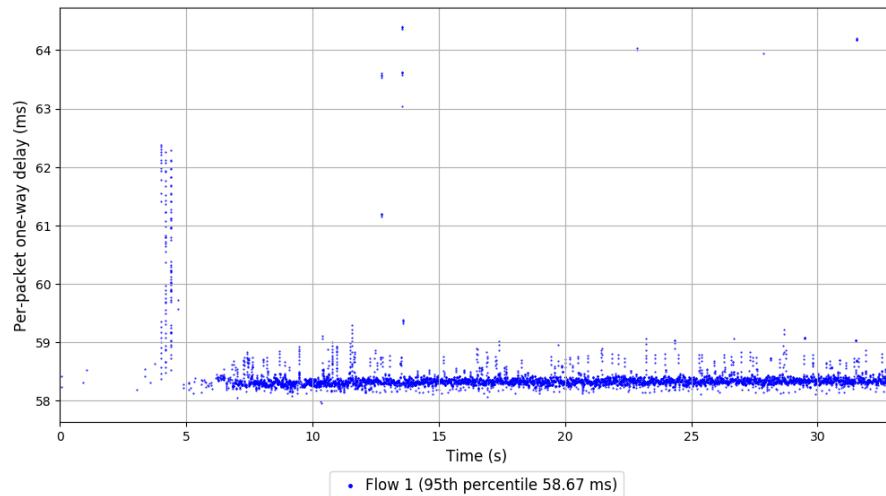
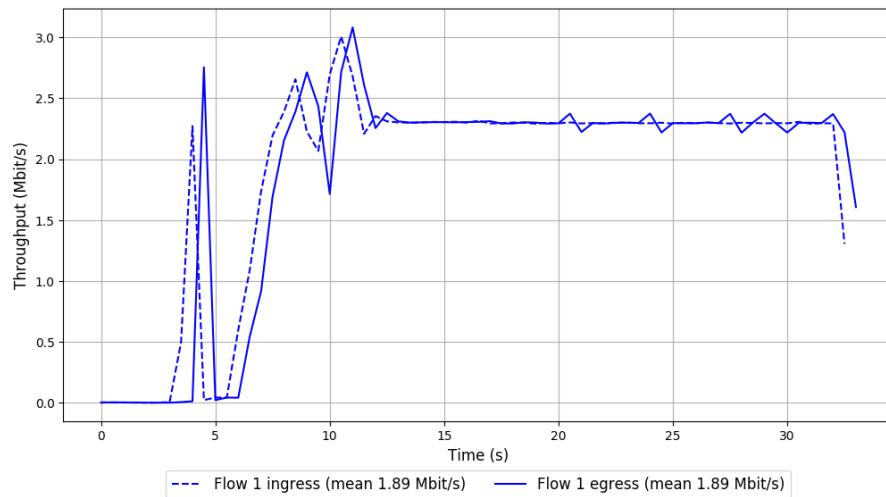


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-30 11:33:41
End at: 2018-05-30 11:34:11
Local clock offset: 1.871 ms
Remote clock offset: -33.091 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 58.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 58.671 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

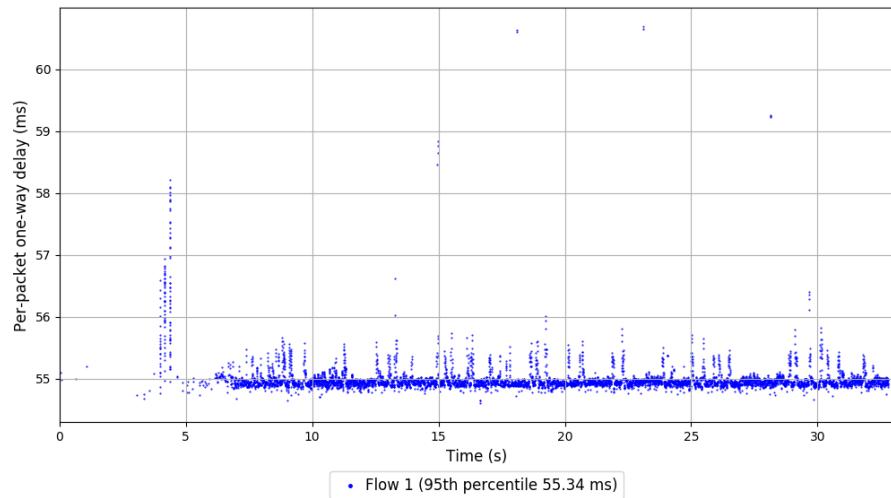
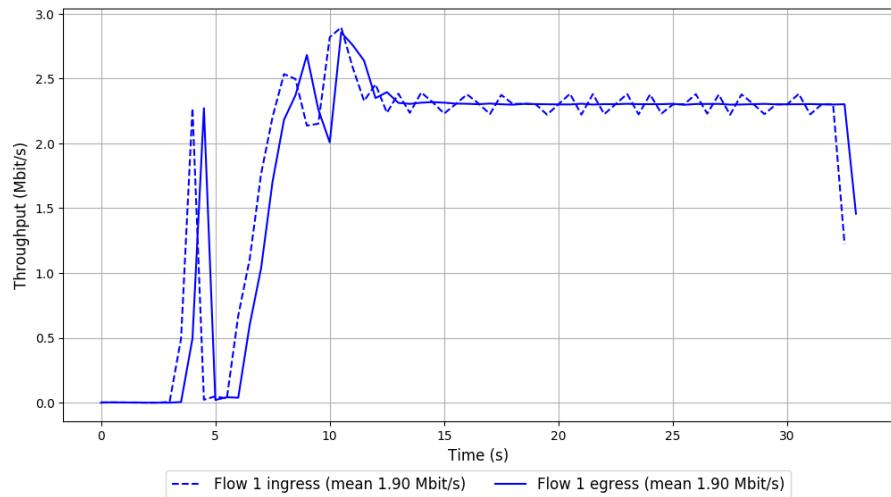


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-30 12:09:26
End at: 2018-05-30 12:09:56
Local clock offset: 2.587 ms
Remote clock offset: -34.252 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 55.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 55.335 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

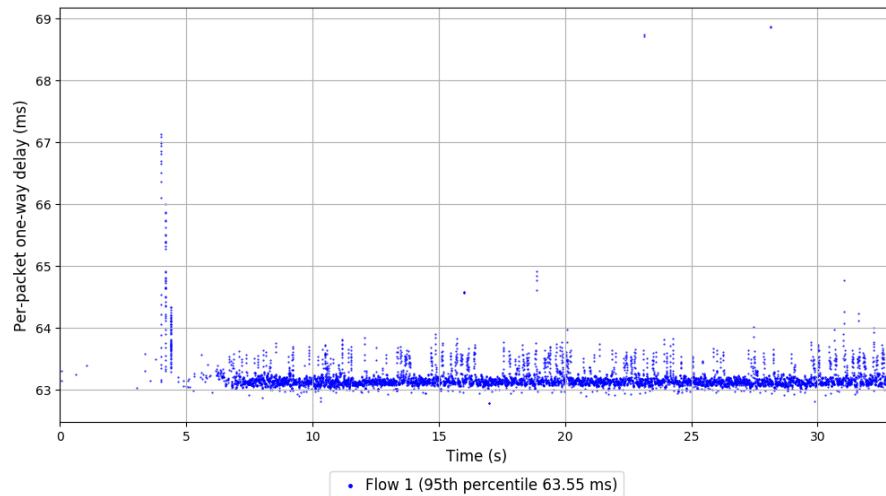
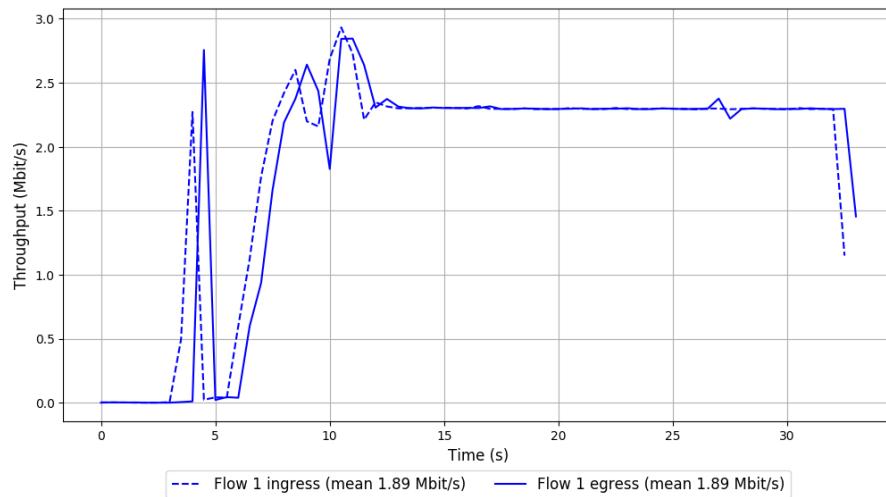


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-30 12:50:49
End at: 2018-05-30 12:51:19
Local clock offset: -1.166 ms
Remote clock offset: -30.953 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 63.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 63.553 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-30 13:16:55
End at: 2018-05-30 13:17:25
Local clock offset: 0.849 ms
Remote clock offset: -37.174 ms

# Below is generated by plot.py at 2018-05-30 14:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 54.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 54.871 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

