

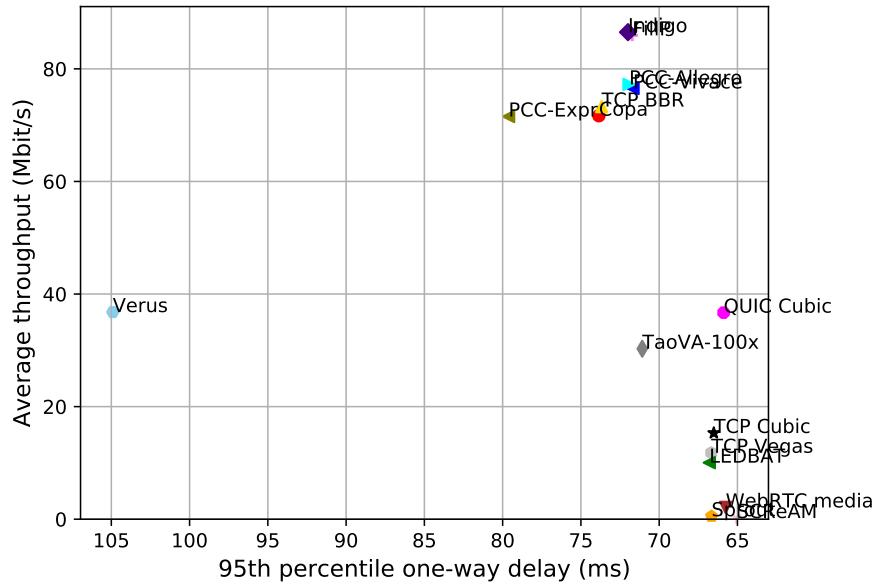
Pantheon Report

Generated at 2018-06-05 08:05:19 (UTC).
Data path: AWS Korea Ethernet (*local*) → China 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 `ntp.nict.jp` and have been applied to correct the timestamps in logs.

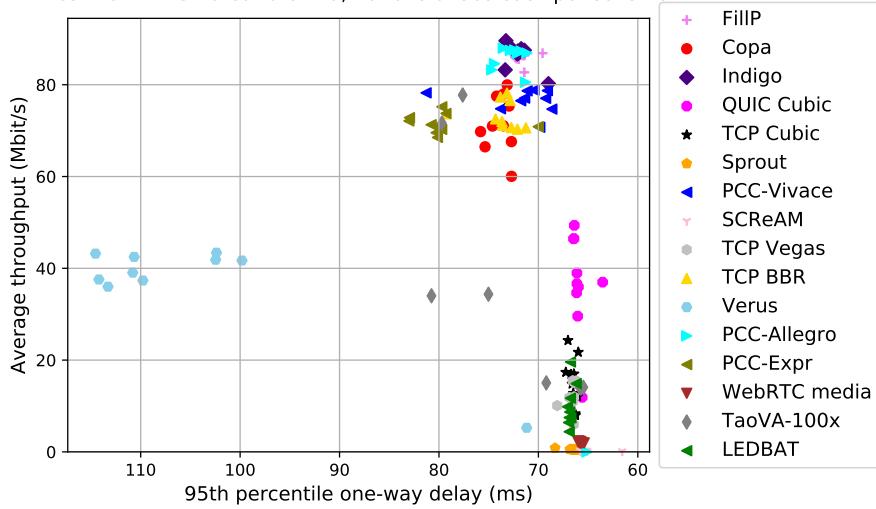
Git summary:

```
branch: master @ 227fdf9a3757f17b88537ccecd5743a33037a3d2
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 Korea to China, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Korea to China, 10 runs of 30s each per scheme



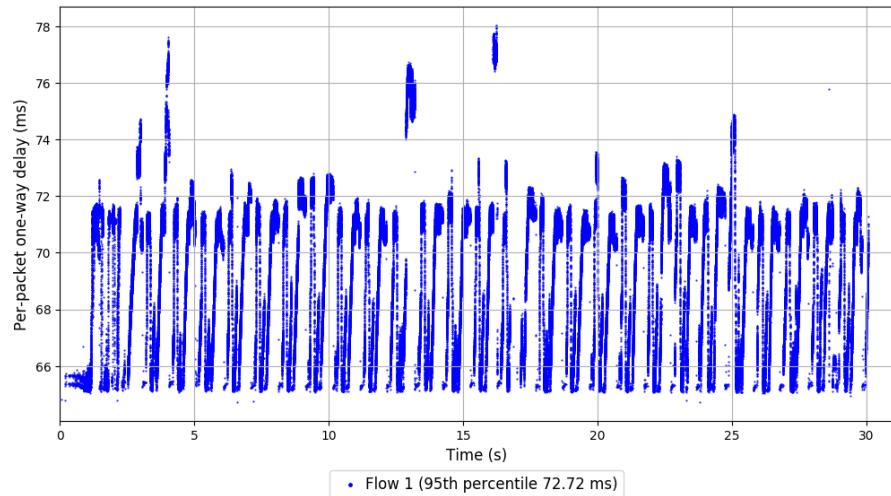
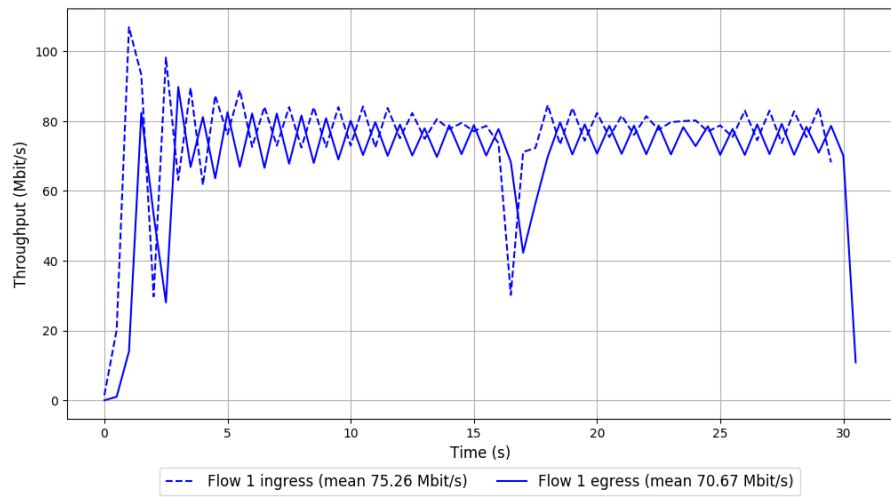
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	73.30	73.68	5.88
Copa	10	71.68	73.85	1.59
TCP Cubic	10	15.32	66.51	0.41
FillP	10	85.95	71.72	11.51
Indigo	10	86.52	71.99	5.59
LEDBAT	9	10.04	66.80	0.21
PCC-Allegro	10	77.24	71.92	1.20
PCC-Expr	10	71.53	79.62	1.00
QUIC Cubic	10	36.69	65.88	0.85
SCReAM	10	0.21	65.06	0.07
Sprout	10	0.53	66.66	0.13
TaoVA-100x	10	30.28	71.08	1.39
TCP Vegas	10	11.79	66.67	0.34
Verus	10	36.79	104.91	79.34
PCC-Vivace	10	76.53	71.67	0.33
WebRTC media	10	2.09	65.75	0.06

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-05 04:28:40
End at: 2018-06-05 04:29:10
Local clock offset: 7.074 ms
Remote clock offset: -4.336 ms

# Below is generated by plot.py at 2018-06-05 07:50:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 72.715 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 72.715 ms
Loss rate: 6.08%
```

Run 1: Report of TCP BBR — Data Link

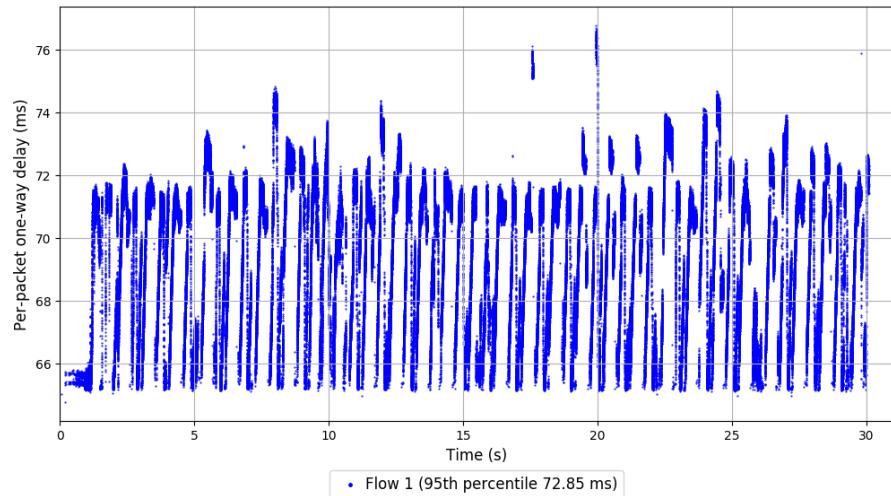
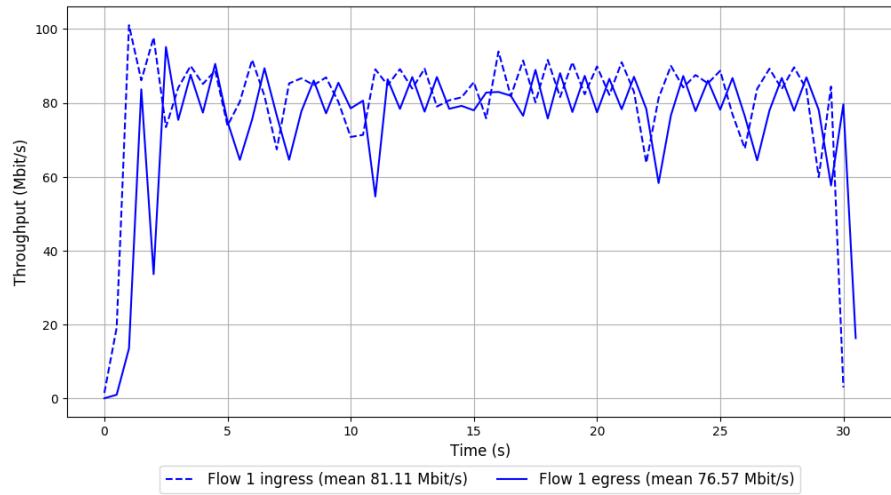


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-05 04:49:33
End at: 2018-06-05 04:50:03
Local clock offset: 6.156 ms
Remote clock offset: -3.368 ms

# Below is generated by plot.py at 2018-06-05 07:51:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 72.849 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 72.849 ms
Loss rate: 5.58%
```

Run 2: Report of TCP BBR — Data Link

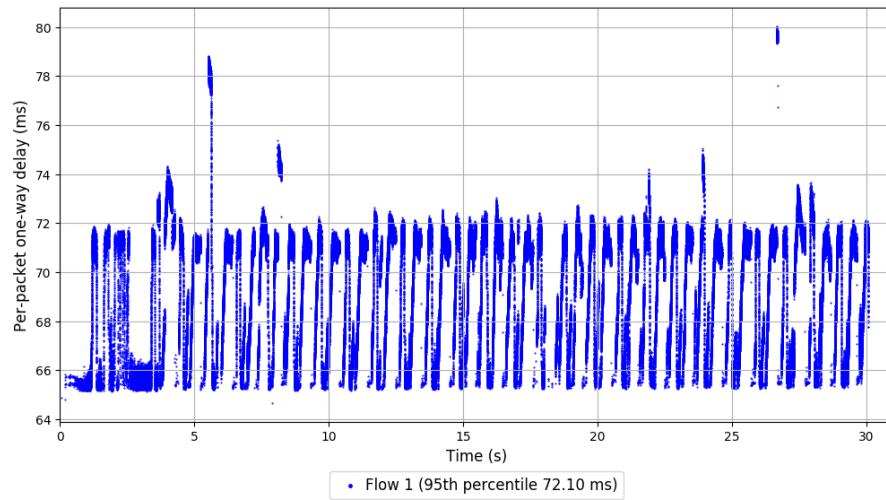
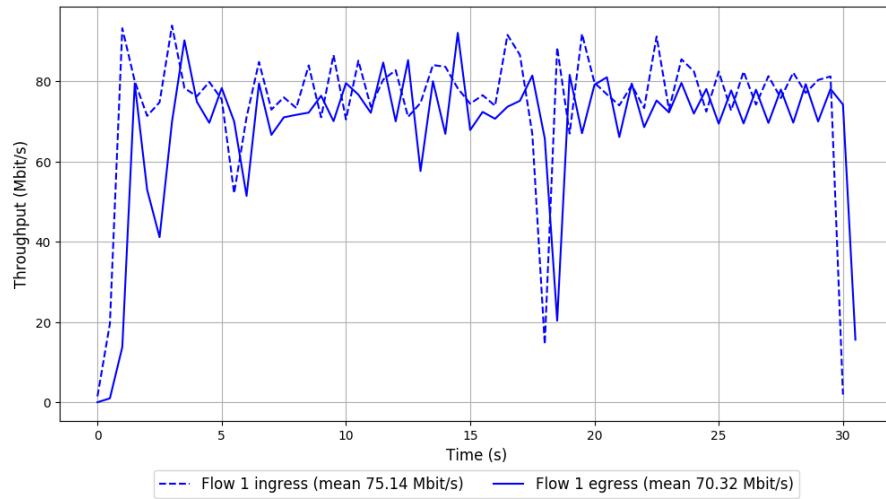


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-05 05:10:41
End at: 2018-06-05 05:11:11
Local clock offset: 5.295 ms
Remote clock offset: -6.011 ms

# Below is generated by plot.py at 2018-06-05 07:51:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 72.104 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 72.104 ms
Loss rate: 6.41%
```

Run 3: Report of TCP BBR — Data Link

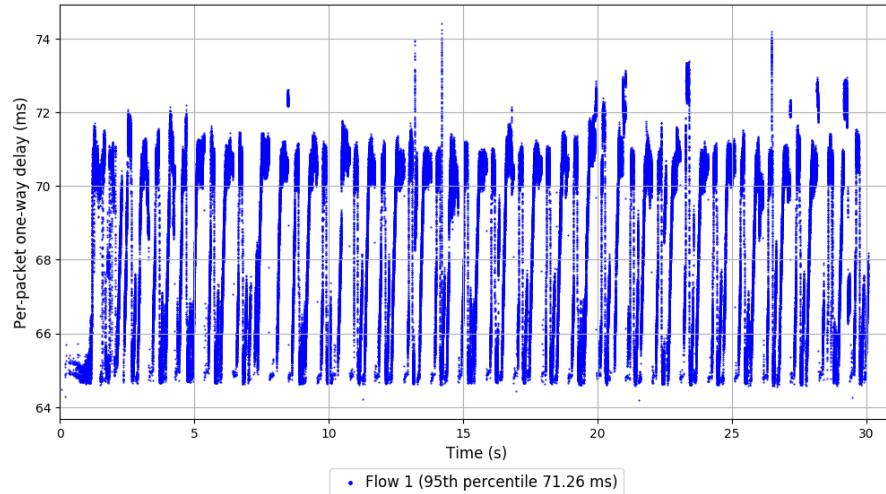
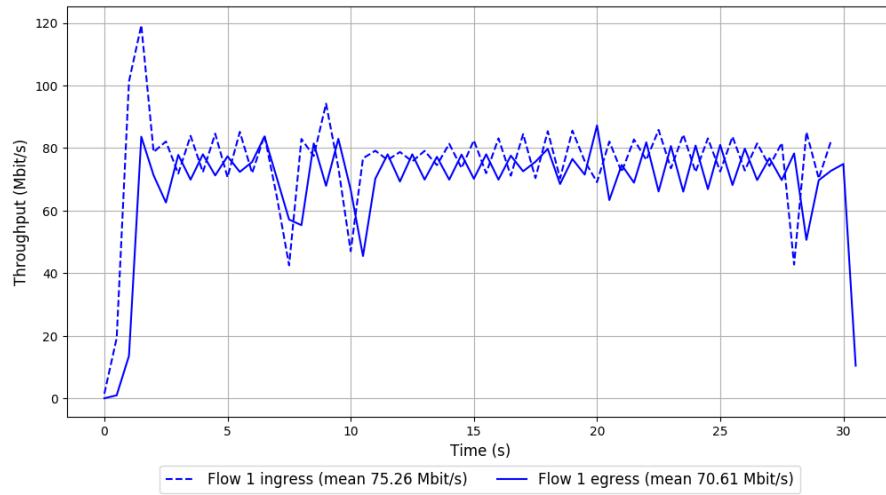


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-05 05:31:34
End at: 2018-06-05 05:32:04
Local clock offset: 7.36 ms
Remote clock offset: -5.392 ms

# Below is generated by plot.py at 2018-06-05 07:51:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 71.261 ms
Loss rate: 6.17%
-- Flow 1:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 71.261 ms
Loss rate: 6.17%
```

Run 4: Report of TCP BBR — Data Link

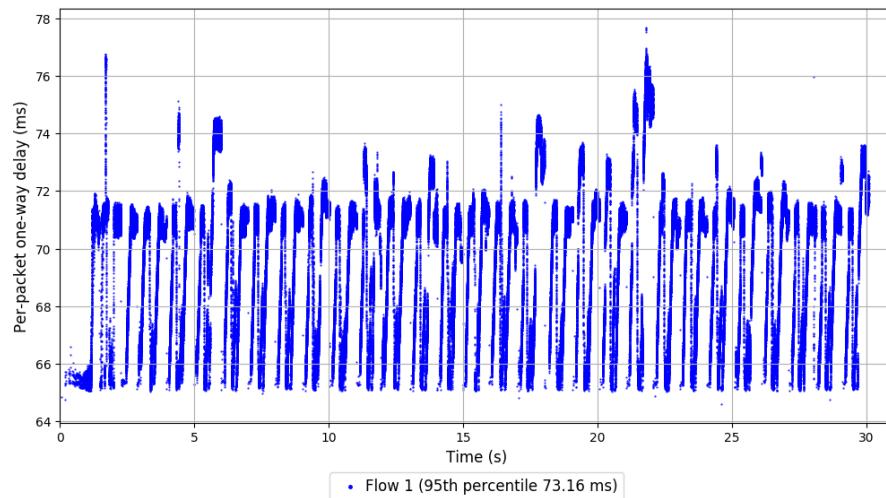
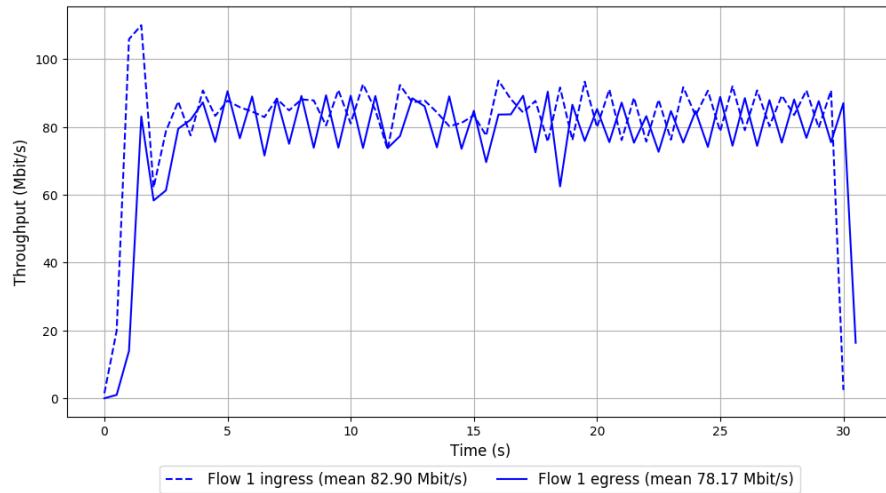


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-05 05:52:31
End at: 2018-06-05 05:53:01
Local clock offset: 7.538 ms
Remote clock offset: -3.248 ms

# Below is generated by plot.py at 2018-06-05 07:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 73.158 ms
Loss rate: 5.67%
-- Flow 1:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 73.158 ms
Loss rate: 5.67%
```

Run 5: Report of TCP BBR — Data Link

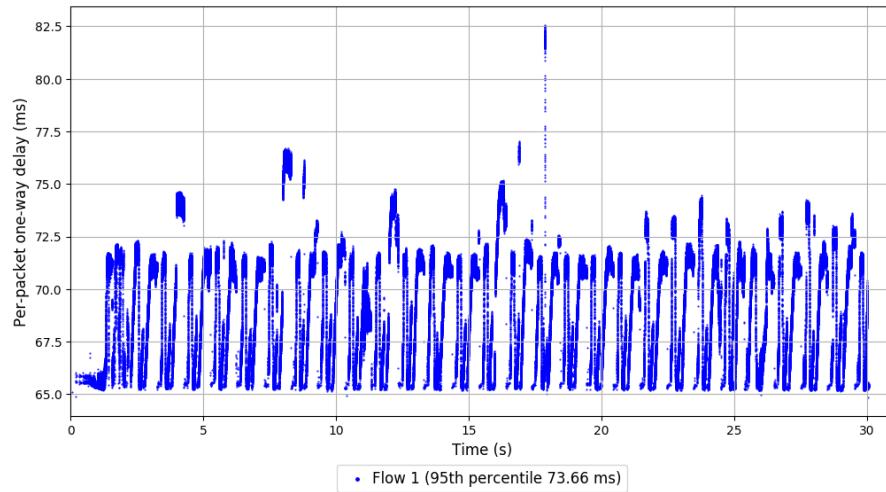
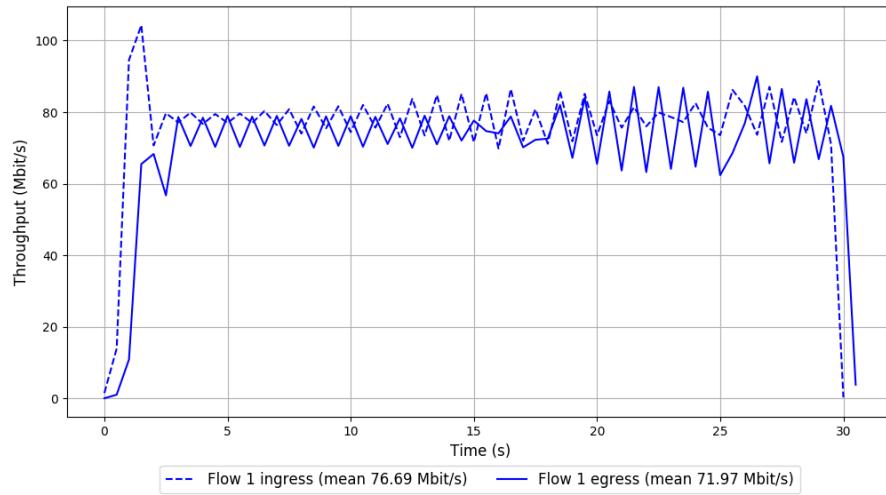


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-05 06:13:25
End at: 2018-06-05 06:13:55
Local clock offset: 7.082 ms
Remote clock offset: -2.899 ms

# Below is generated by plot.py at 2018-06-05 07:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.97 Mbit/s
95th percentile per-packet one-way delay: 73.658 ms
Loss rate: 6.15%
-- Flow 1:
Average throughput: 71.97 Mbit/s
95th percentile per-packet one-way delay: 73.658 ms
Loss rate: 6.15%
```

Run 6: Report of TCP BBR — Data Link

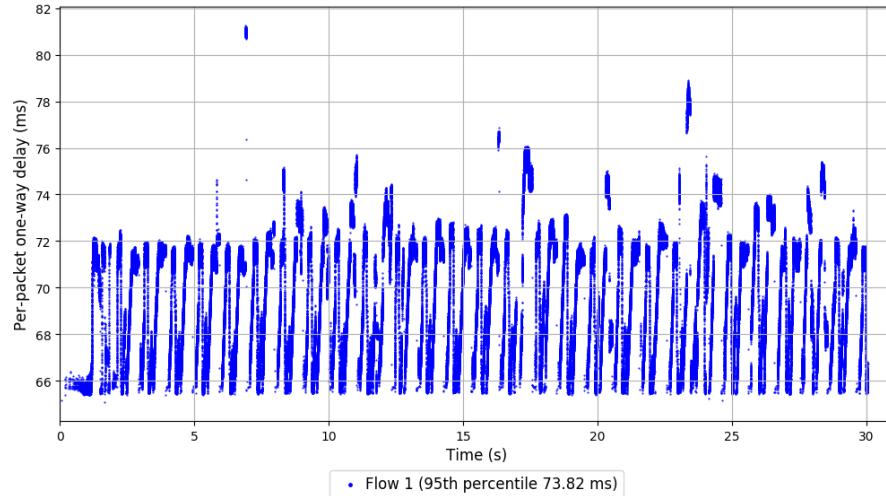
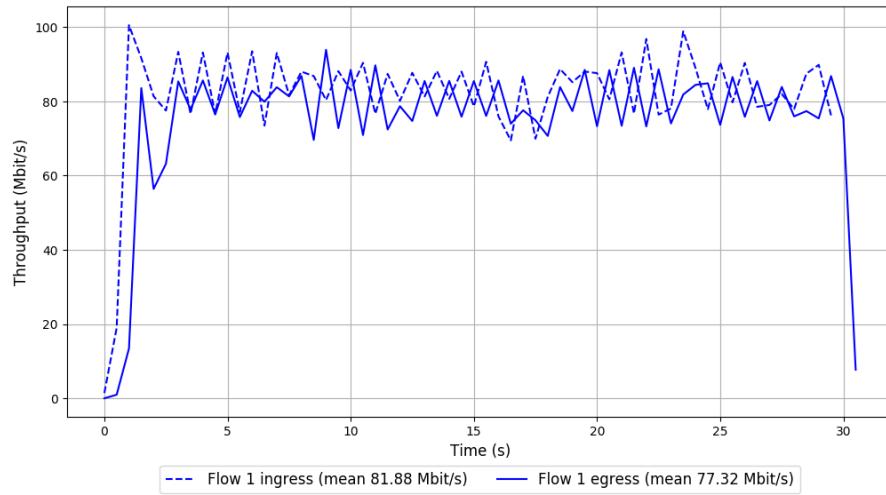


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-05 06:34:16
End at: 2018-06-05 06:34:46
Local clock offset: 6.461 ms
Remote clock offset: -2.38 ms

# Below is generated by plot.py at 2018-06-05 07:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.32 Mbit/s
95th percentile per-packet one-way delay: 73.820 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 77.32 Mbit/s
95th percentile per-packet one-way delay: 73.820 ms
Loss rate: 5.56%
```

Run 7: Report of TCP BBR — Data Link

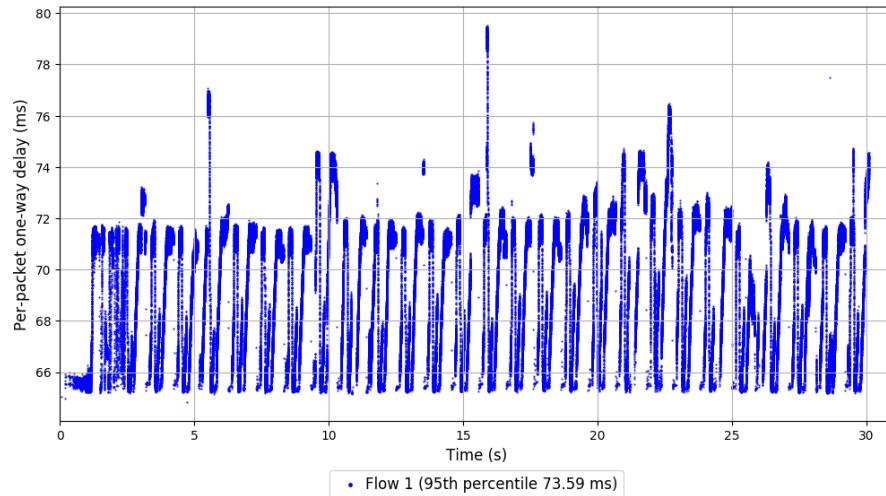
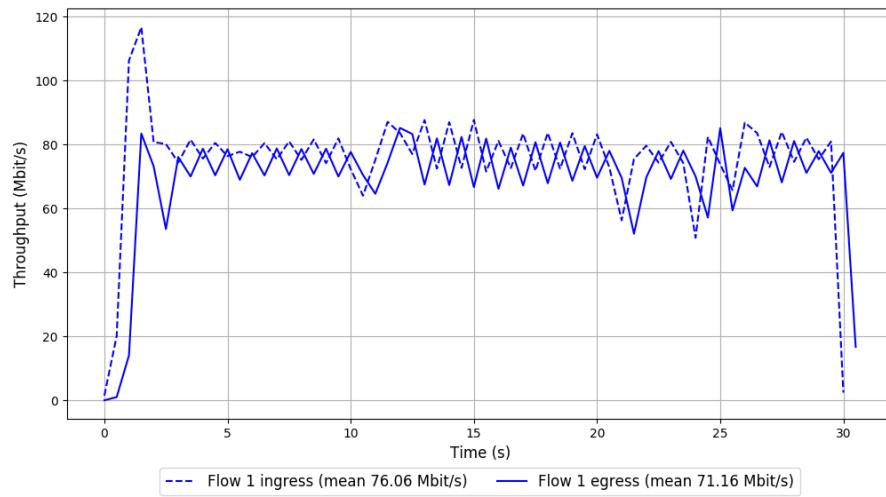


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-05 06:55:07
End at: 2018-06-05 06:55:37
Local clock offset: 5.933 ms
Remote clock offset: -2.314 ms

# Below is generated by plot.py at 2018-06-05 07:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 73.595 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 73.595 ms
Loss rate: 6.41%
```

Run 8: Report of TCP BBR — Data Link

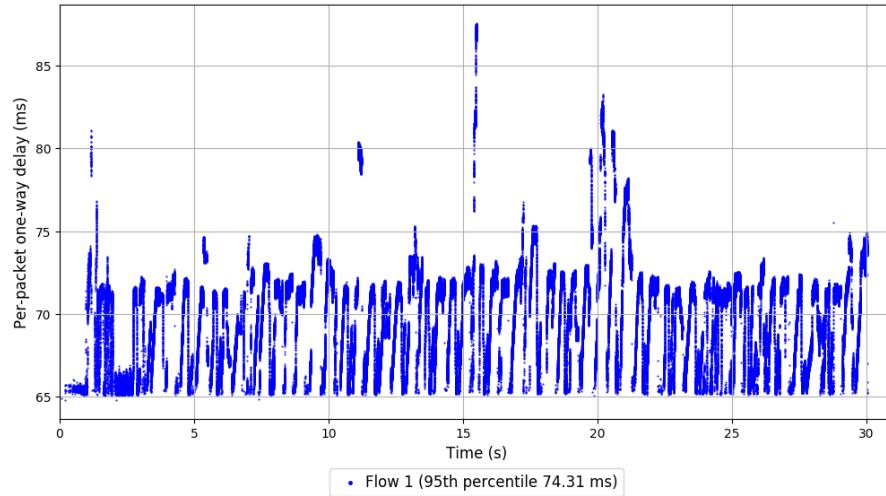
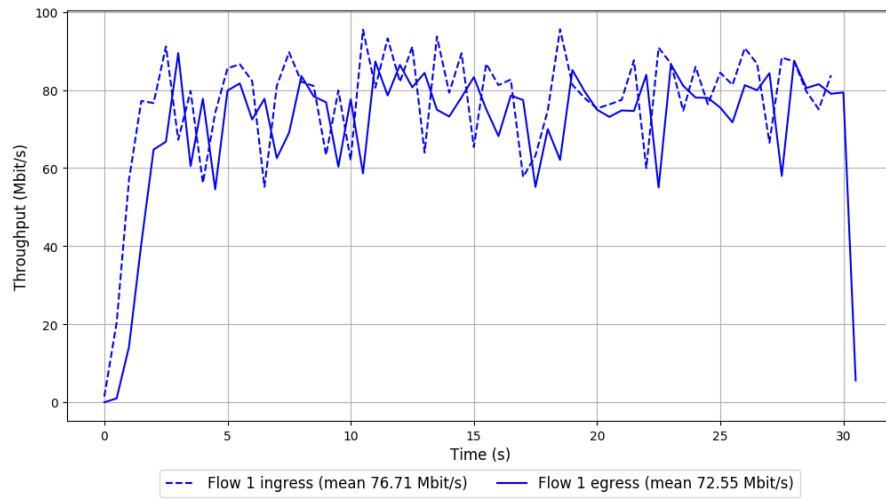


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-05 07:17:11
End at: 2018-06-05 07:17:41
Local clock offset: 6.713 ms
Remote clock offset: -3.199 ms

# Below is generated by plot.py at 2018-06-05 07:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.55 Mbit/s
95th percentile per-packet one-way delay: 74.309 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 72.55 Mbit/s
95th percentile per-packet one-way delay: 74.309 ms
Loss rate: 5.42%
```

Run 9: Report of TCP BBR — Data Link

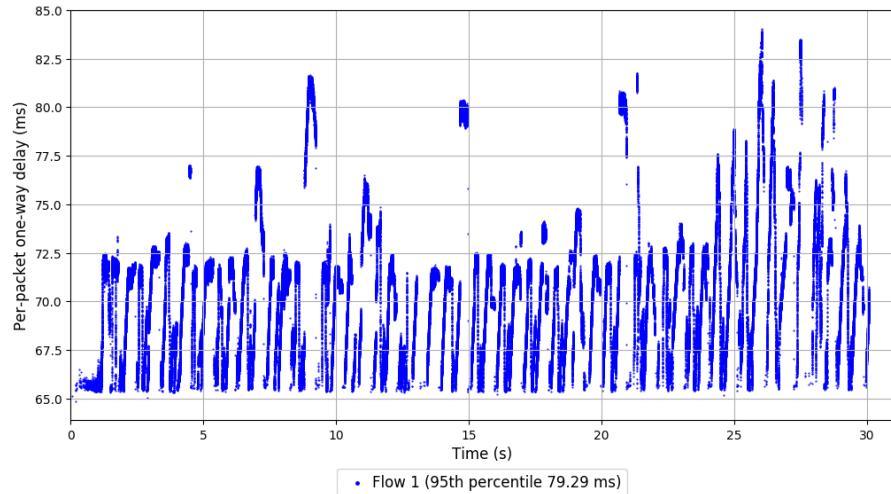
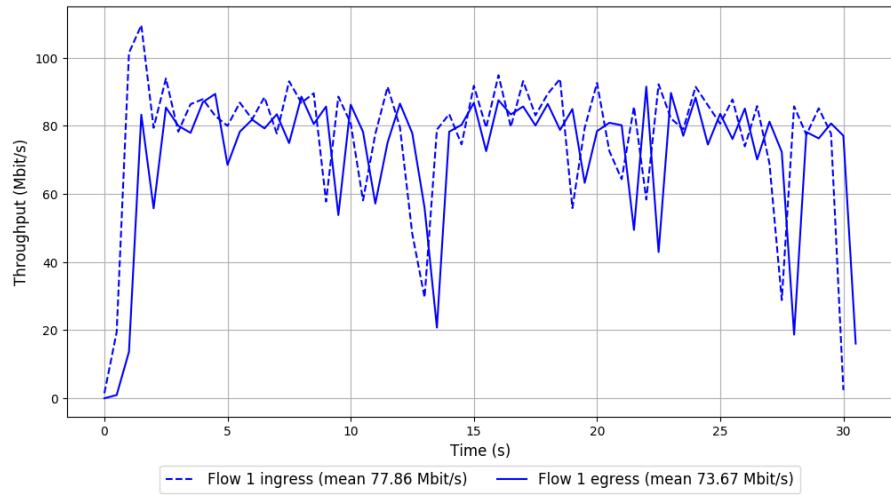


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-05 07:38:06
End at: 2018-06-05 07:38:36
Local clock offset: 7.755 ms
Remote clock offset: -3.645 ms

# Below is generated by plot.py at 2018-06-05 07:51:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 79.288 ms
Loss rate: 5.35%
-- Flow 1:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 79.288 ms
Loss rate: 5.35%
```

Run 10: Report of TCP BBR — Data Link

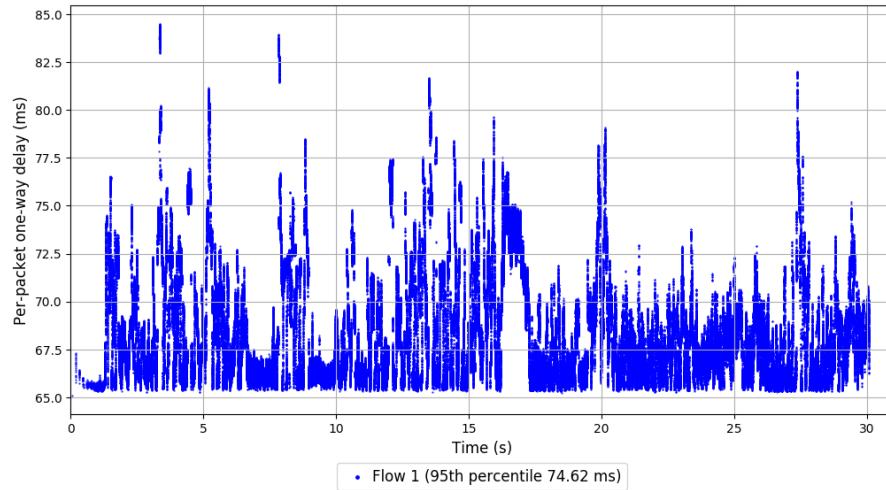
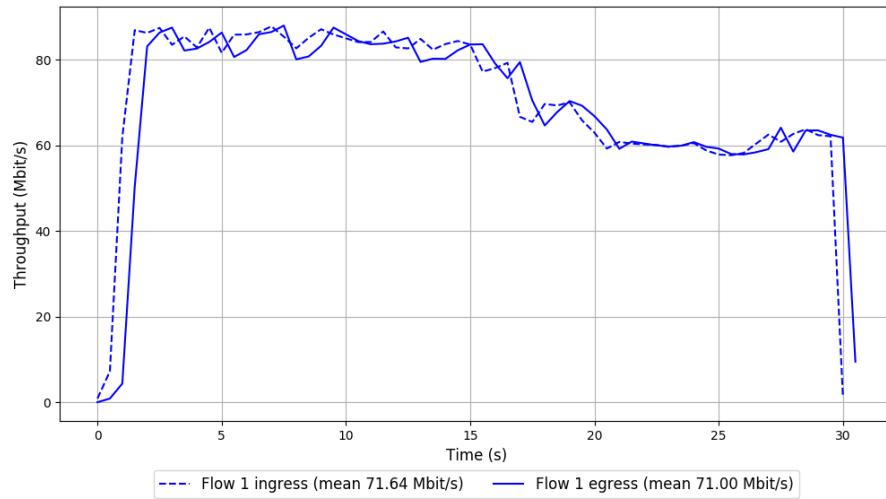


Run 1: Statistics of Copa

```
Start at: 2018-06-05 04:29:59
End at: 2018-06-05 04:30:29
Local clock offset: 7.033 ms
Remote clock offset: -4.275 ms

# Below is generated by plot.py at 2018-06-05 07:52:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 74.621 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 74.621 ms
Loss rate: 0.90%
```

Run 1: Report of Copa — Data Link

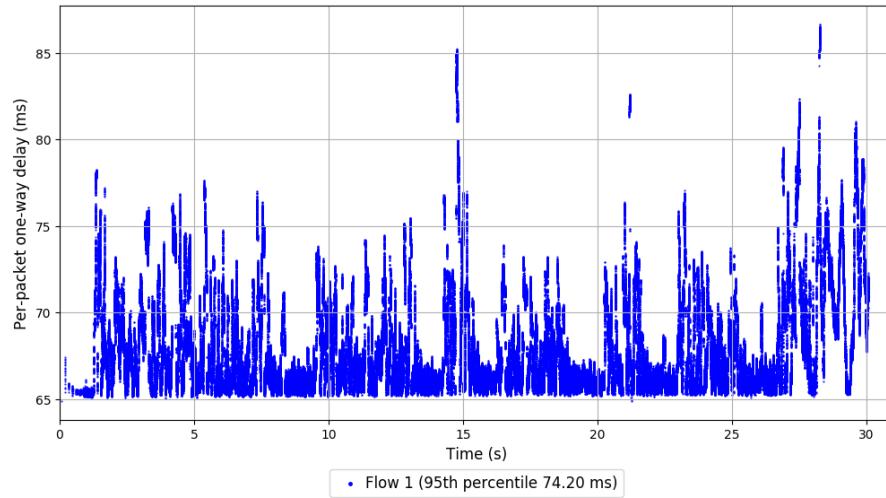
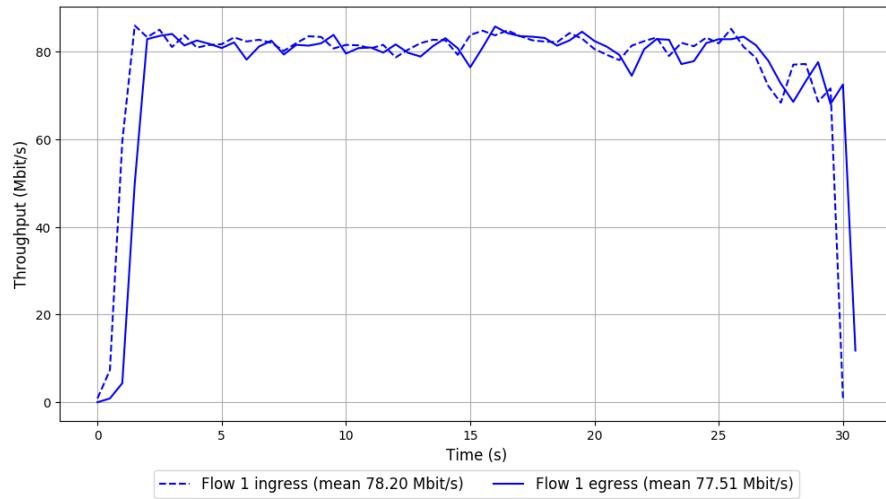


Run 2: Statistics of Copa

```
Start at: 2018-06-05 04:50:52
End at: 2018-06-05 04:51:22
Local clock offset: 5.813 ms
Remote clock offset: -3.426 ms

# Below is generated by plot.py at 2018-06-05 07:52:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 74.201 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 74.201 ms
Loss rate: 0.85%
```

Run 2: Report of Copa — Data Link

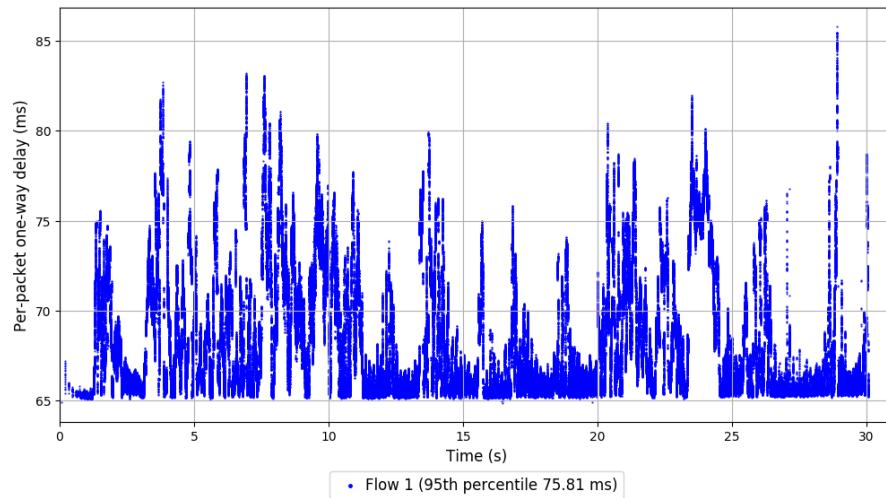
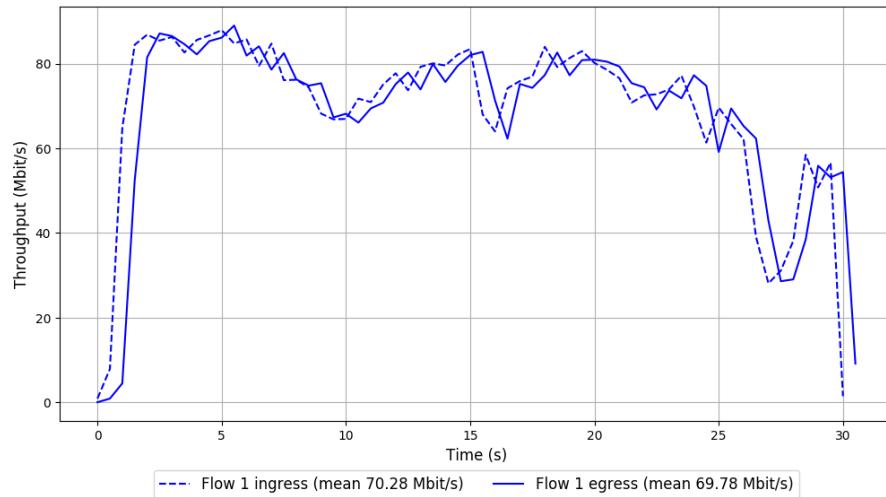


Run 3: Statistics of Copa

```
Start at: 2018-06-05 05:12:01
End at: 2018-06-05 05:12:31
Local clock offset: 5.598 ms
Remote clock offset: -6.092 ms

# Below is generated by plot.py at 2018-06-05 07:52:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 75.815 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 75.815 ms
Loss rate: 0.70%
```

Run 3: Report of Copa — Data Link

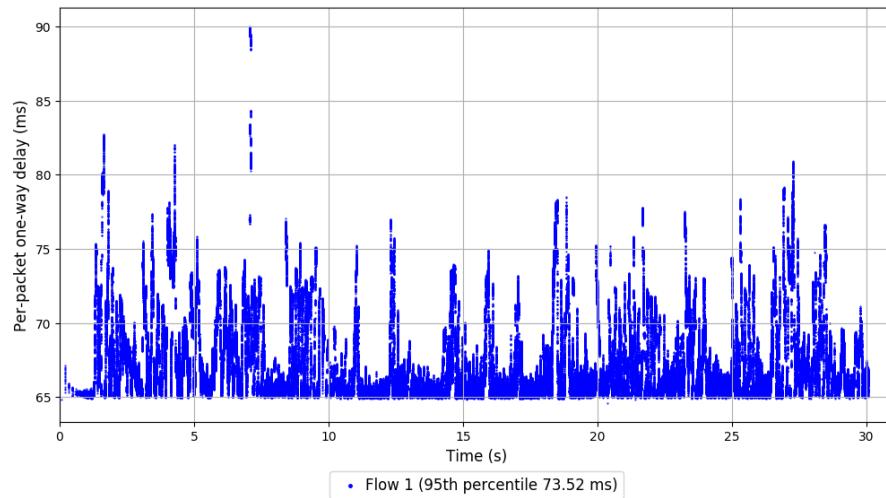
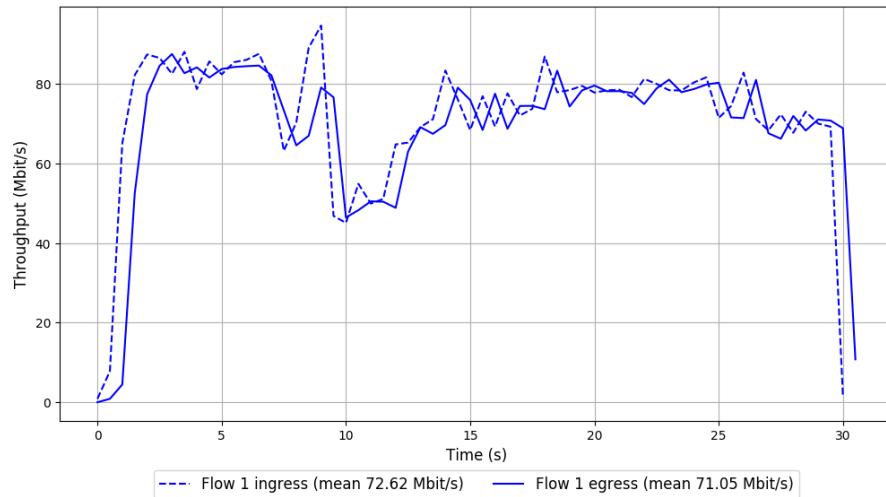


Run 4: Statistics of Copa

```
Start at: 2018-06-05 05:32:53
End at: 2018-06-05 05:33:24
Local clock offset: 7.28 ms
Remote clock offset: -4.779 ms

# Below is generated by plot.py at 2018-06-05 07:52:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.05 Mbit/s
95th percentile per-packet one-way delay: 73.520 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 71.05 Mbit/s
95th percentile per-packet one-way delay: 73.520 ms
Loss rate: 2.15%
```

Run 4: Report of Copa — Data Link

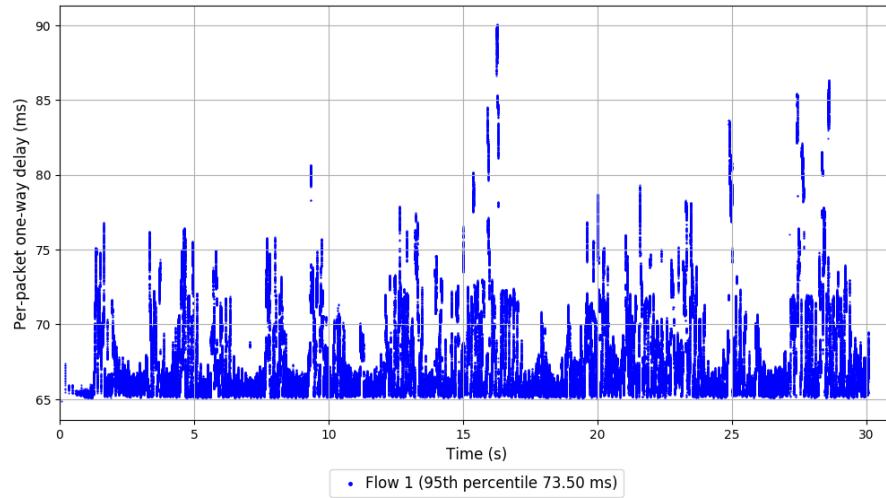
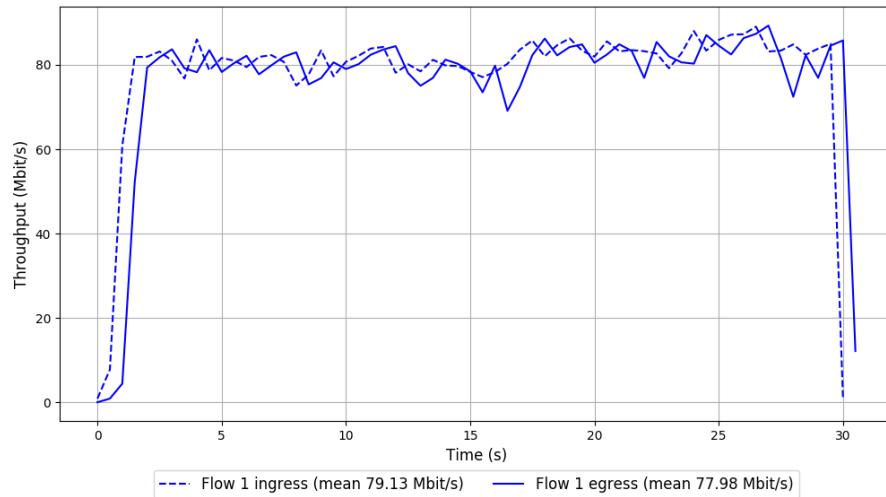


Run 5: Statistics of Copa

```
Start at: 2018-06-05 05:53:51
End at: 2018-06-05 05:54:21
Local clock offset: 7.493 ms
Remote clock offset: -3.201 ms

# Below is generated by plot.py at 2018-06-05 07:52:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 73.497 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 73.497 ms
Loss rate: 1.45%
```

Run 5: Report of Copa — Data Link

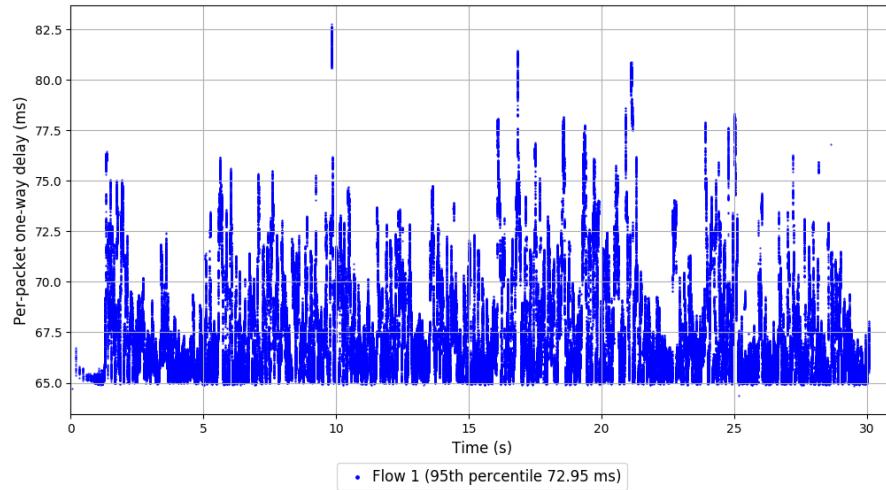
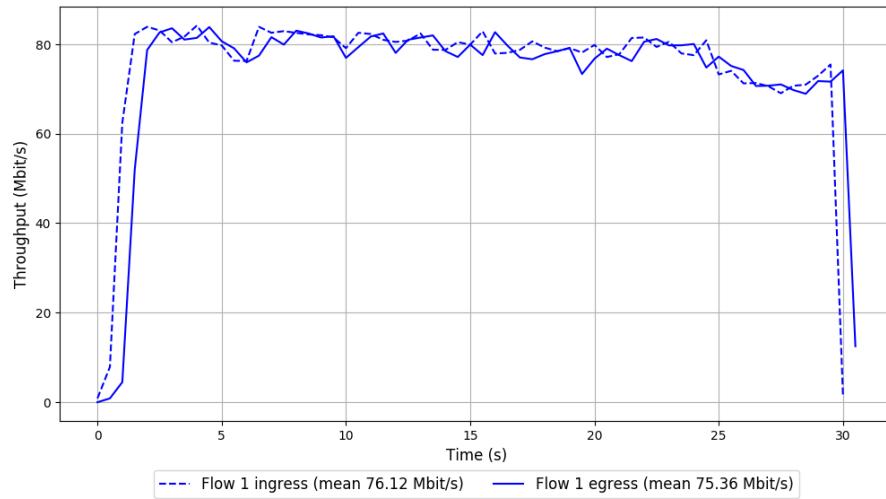


Run 6: Statistics of Copa

```
Start at: 2018-06-05 06:14:44
End at: 2018-06-05 06:15:14
Local clock offset: 7.141 ms
Remote clock offset: -2.937 ms

# Below is generated by plot.py at 2018-06-05 07:52:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 72.949 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 72.949 ms
Loss rate: 1.00%
```

Run 6: Report of Copa — Data Link

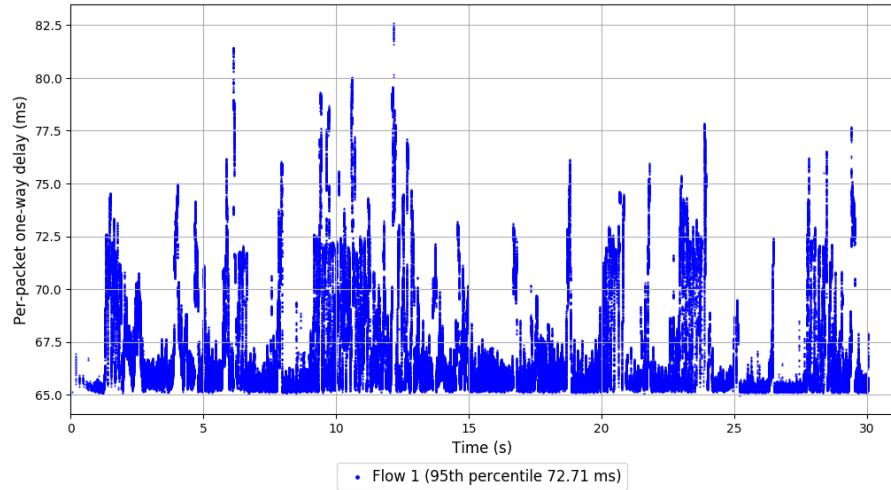
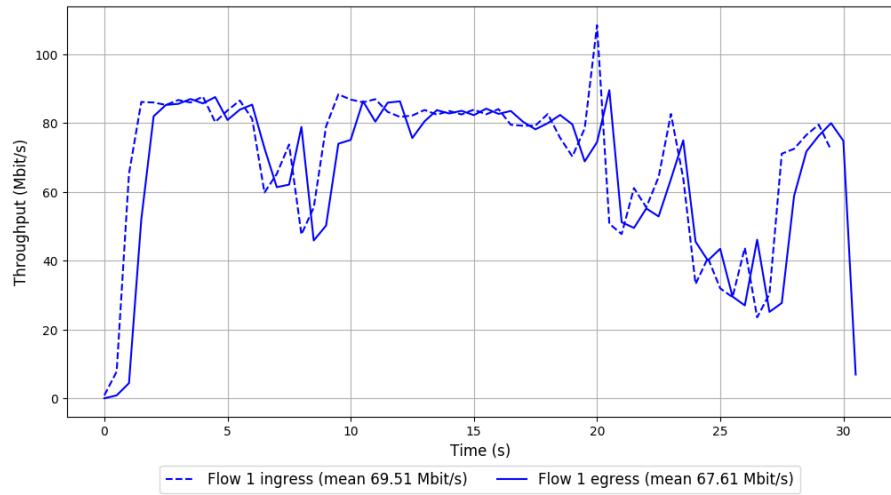


Run 7: Statistics of Copa

```
Start at: 2018-06-05 06:35:36
End at: 2018-06-05 06:36:06
Local clock offset: 6.426 ms
Remote clock offset: -2.465 ms

# Below is generated by plot.py at 2018-06-05 07:53:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.61 Mbit/s
95th percentile per-packet one-way delay: 72.713 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 67.61 Mbit/s
95th percentile per-packet one-way delay: 72.713 ms
Loss rate: 2.74%
```

Run 7: Report of Copa — Data Link

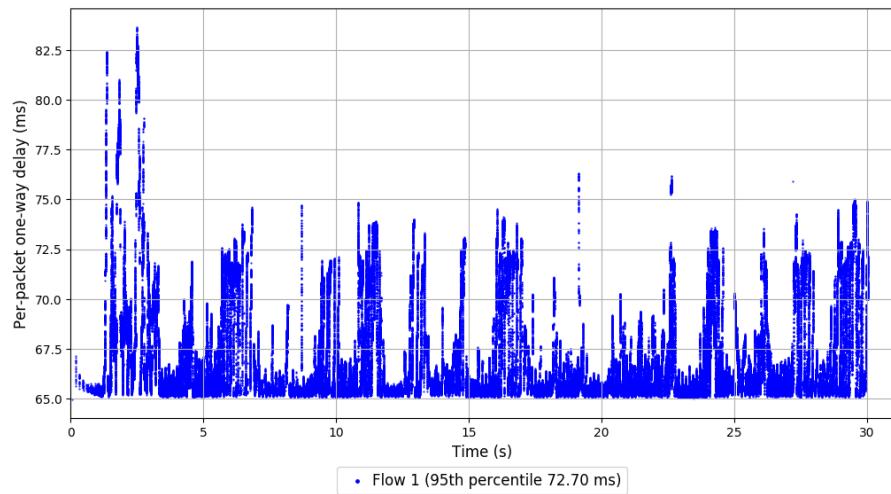
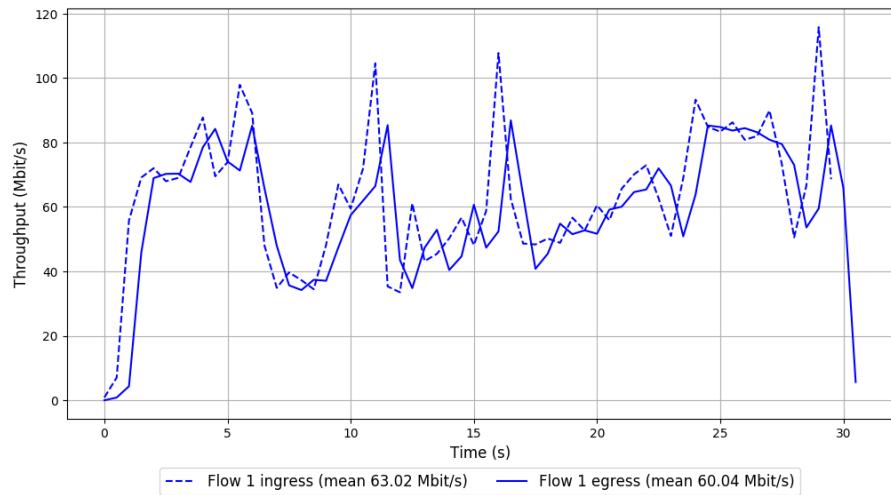


Run 8: Statistics of Copa

```
Start at: 2018-06-05 06:56:27
End at: 2018-06-05 06:56:57
Local clock offset: 5.909 ms
Remote clock offset: -2.379 ms

# Below is generated by plot.py at 2018-06-05 07:53:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 72.704 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 72.704 ms
Loss rate: 4.71%
```

Run 8: Report of Copa — Data Link

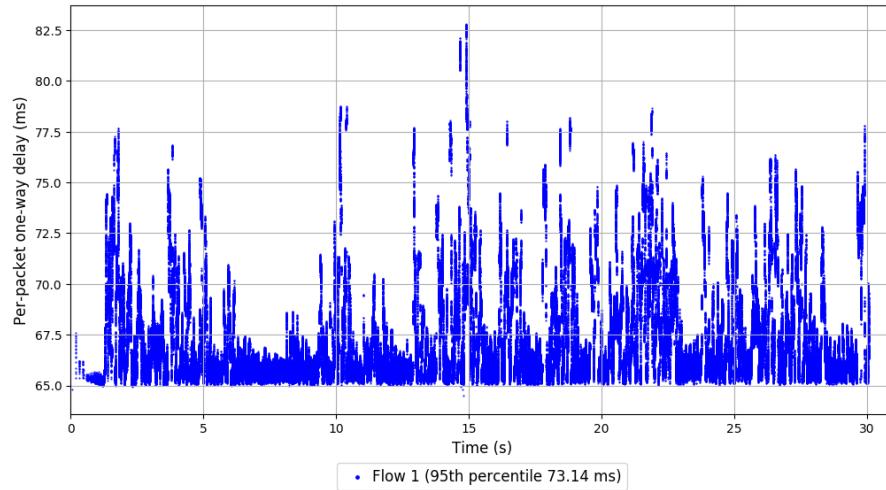
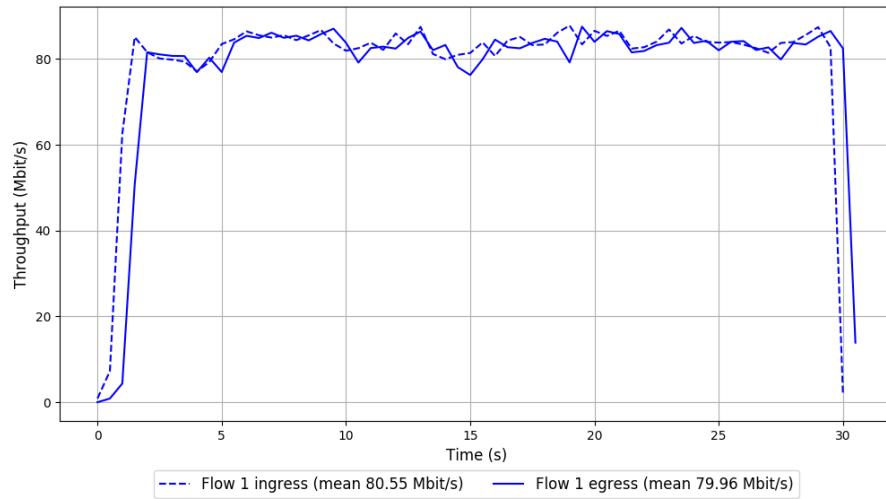


Run 9: Statistics of Copa

```
Start at: 2018-06-05 07:18:31
End at: 2018-06-05 07:19:01
Local clock offset: 6.871 ms
Remote clock offset: -3.299 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 73.137 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 73.137 ms
Loss rate: 0.73%
```

Run 9: Report of Copa — Data Link

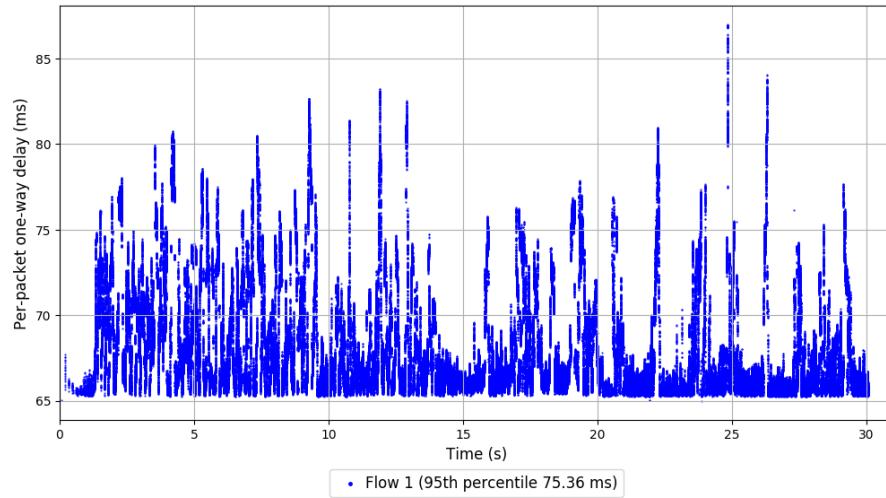
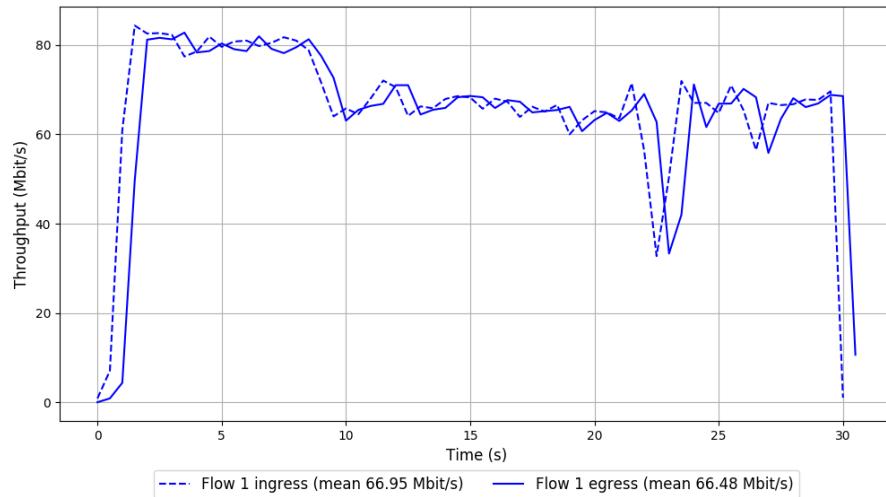


Run 10: Statistics of Copa

```
Start at: 2018-06-05 07:39:25
End at: 2018-06-05 07:39:55
Local clock offset: 7.844 ms
Remote clock offset: -3.687 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 75.364 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 75.364 ms
Loss rate: 0.70%
```

Run 10: Report of Copa — Data Link

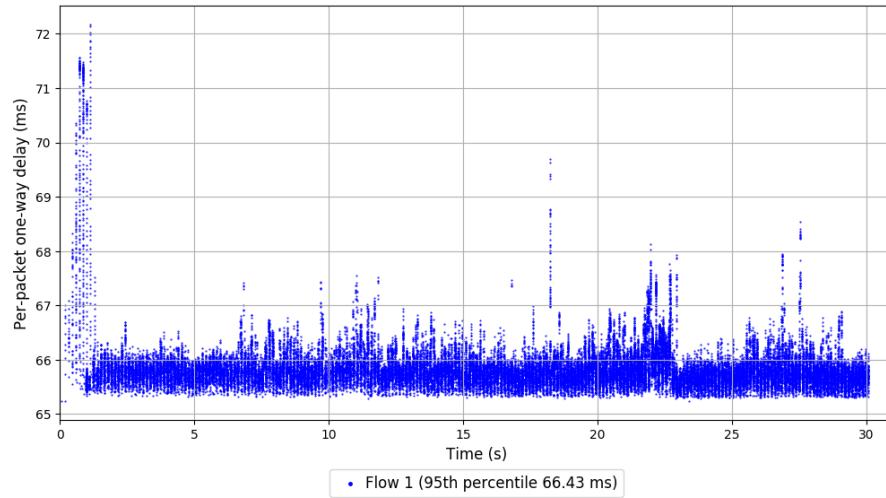
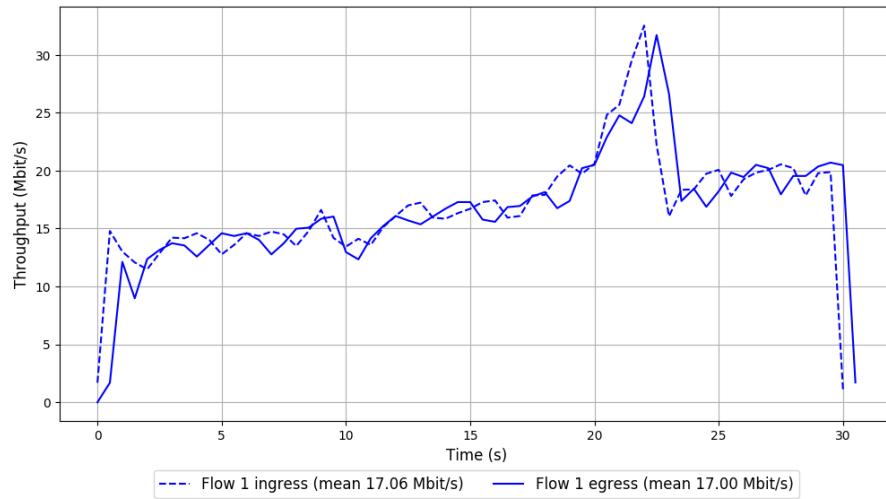


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 04:36:34
End at: 2018-06-05 04:37:04
Local clock offset: 6.898 ms
Remote clock offset: -3.79 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.00 Mbit/s
95th percentile per-packet one-way delay: 66.429 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 17.00 Mbit/s
95th percentile per-packet one-way delay: 66.429 ms
Loss rate: 0.38%
```

Run 1: Report of TCP Cubic — Data Link

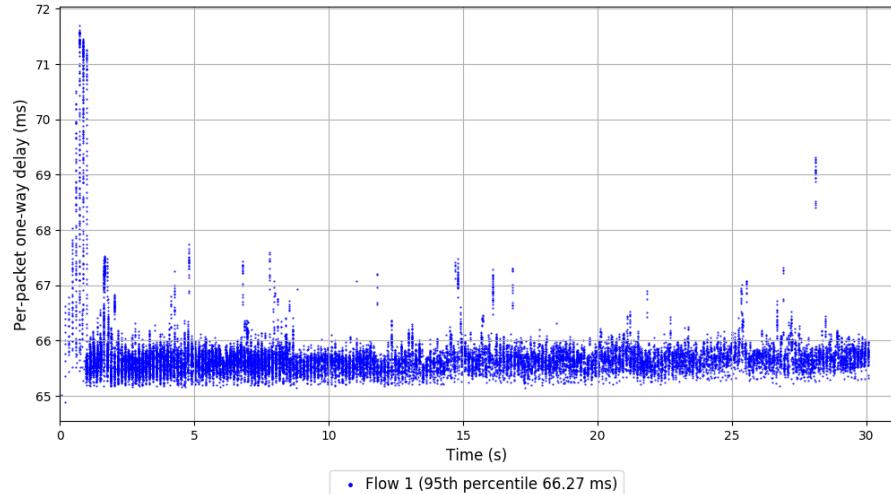
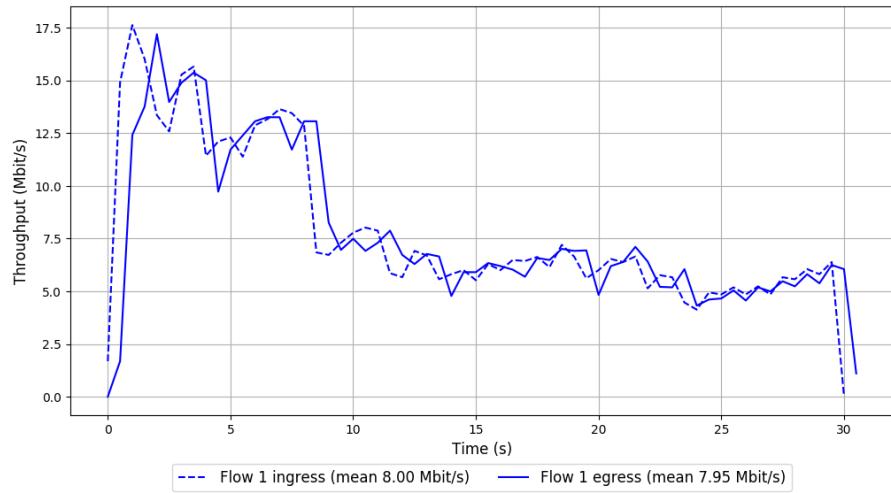


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-05 04:57:28
End at: 2018-06-05 04:57:58
Local clock offset: 5.5 ms
Remote clock offset: -4.765 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 66.267 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 66.267 ms
Loss rate: 0.60%
```

Run 2: Report of TCP Cubic — Data Link

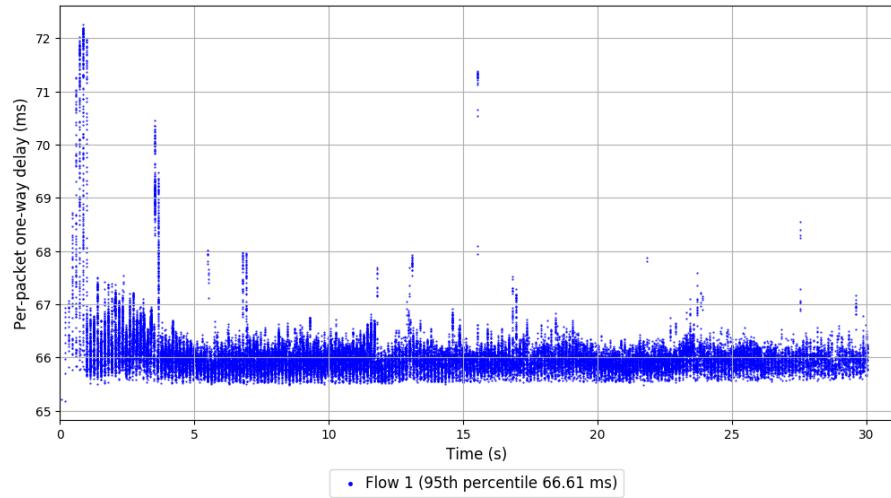
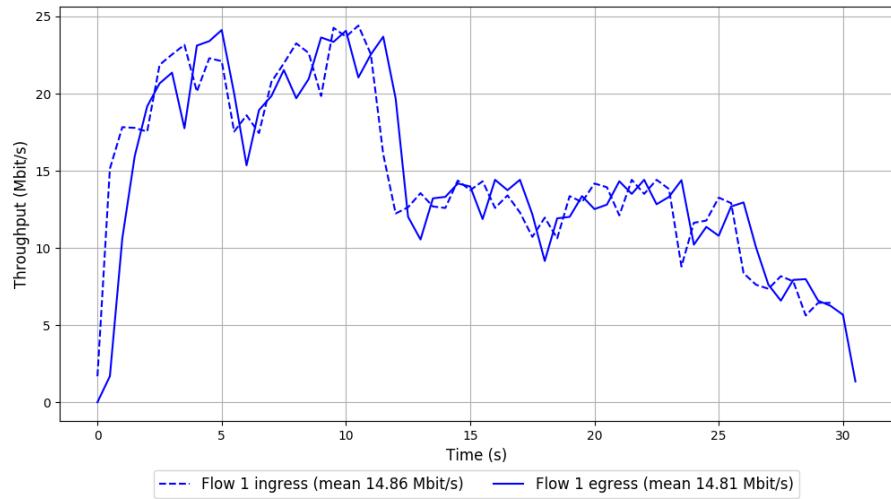


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-05 05:18:37
End at: 2018-06-05 05:19:07
Local clock offset: 6.414 ms
Remote clock offset: -6.235 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 66.610 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 66.610 ms
Loss rate: 0.35%
```

Run 3: Report of TCP Cubic — Data Link

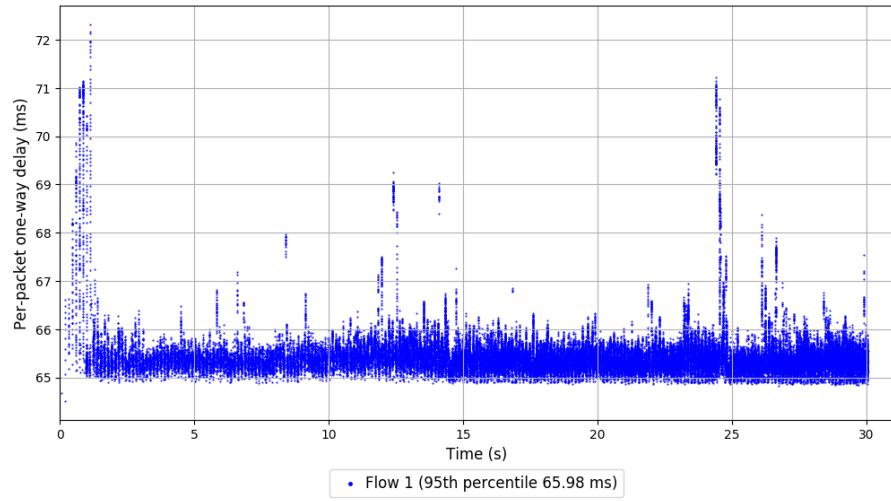
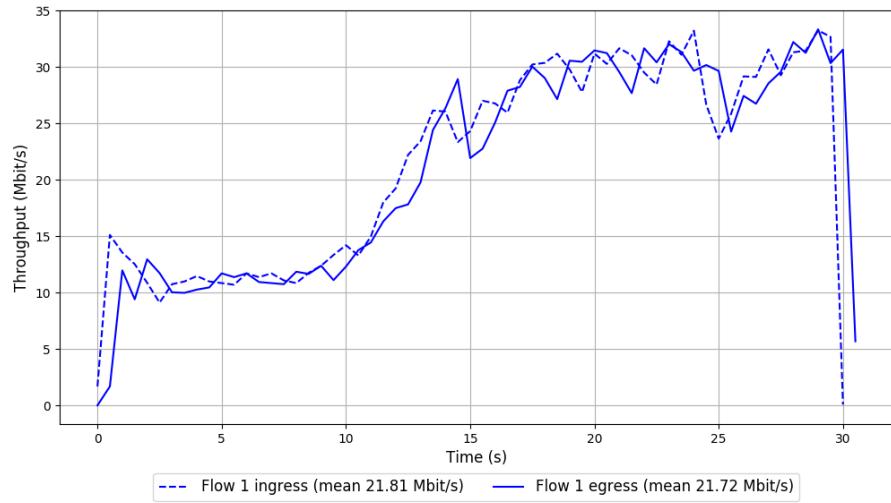


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-05 05:39:28
End at: 2018-06-05 05:39:58
Local clock offset: 7.384 ms
Remote clock offset: -4.112 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 65.983 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 65.983 ms
Loss rate: 0.40%
```

Run 4: Report of TCP Cubic — Data Link

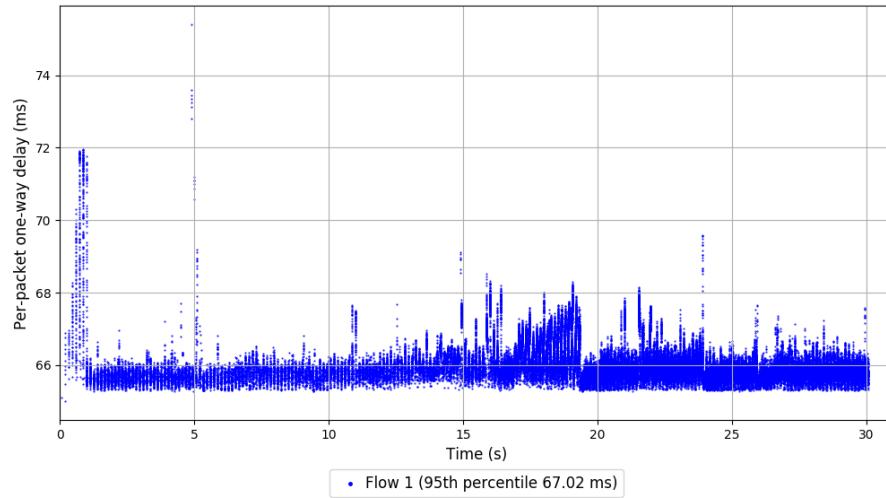
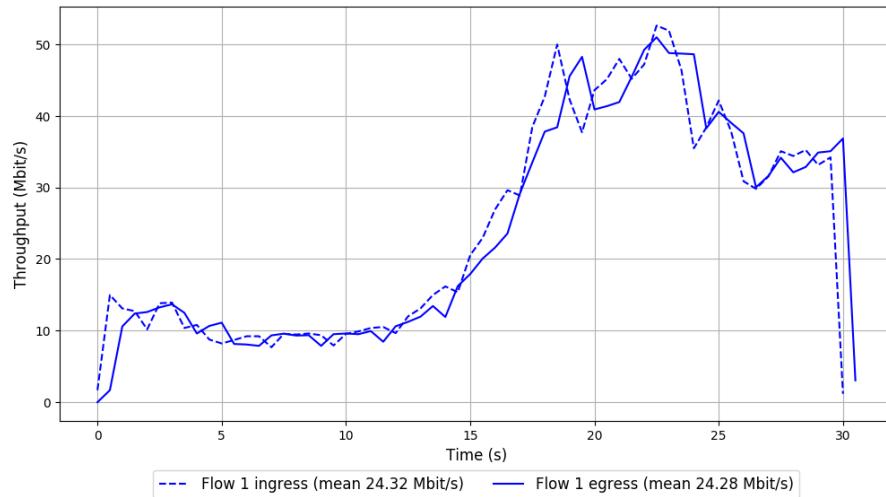


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-05 06:00:26
End at: 2018-06-05 06:00:56
Local clock offset: 7.407 ms
Remote clock offset: -2.944 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 67.022 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 67.022 ms
Loss rate: 0.16%
```

Run 5: Report of TCP Cubic — Data Link

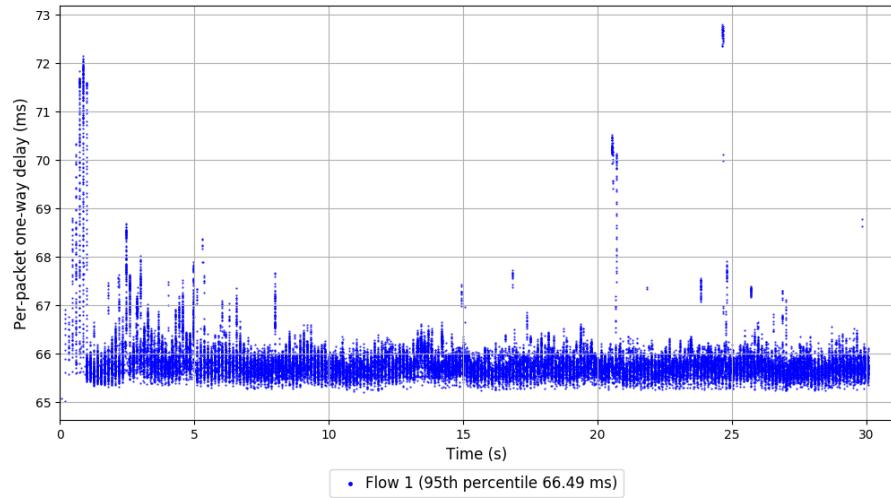
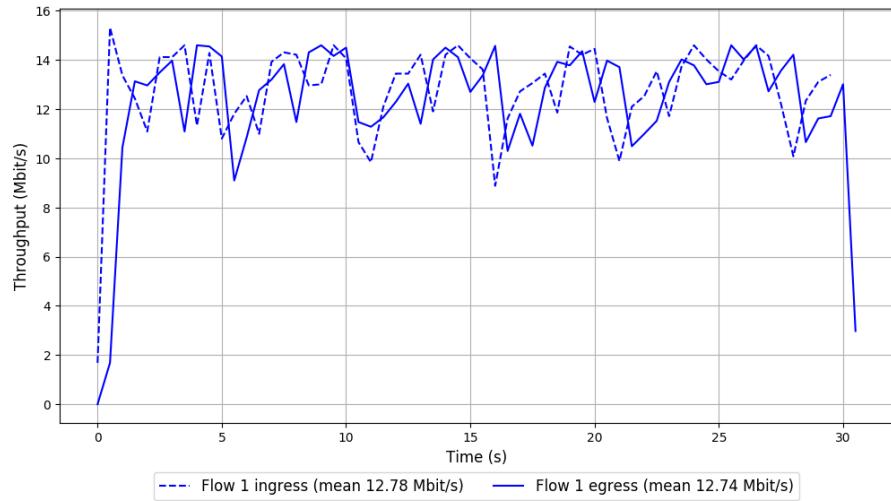


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-05 06:21:19
End at: 2018-06-05 06:21:49
Local clock offset: 6.858 ms
Remote clock offset: -2.722 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 66.493 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 66.493 ms
Loss rate: 0.30%
```

Run 6: Report of TCP Cubic — Data Link

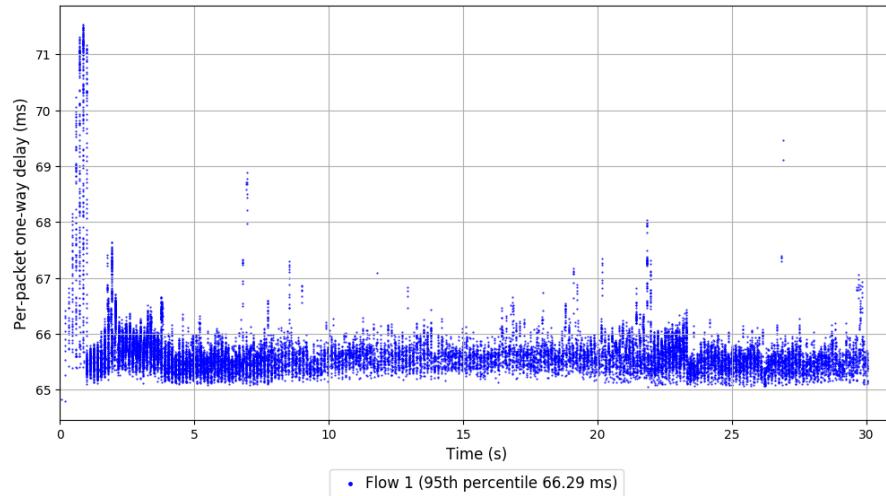
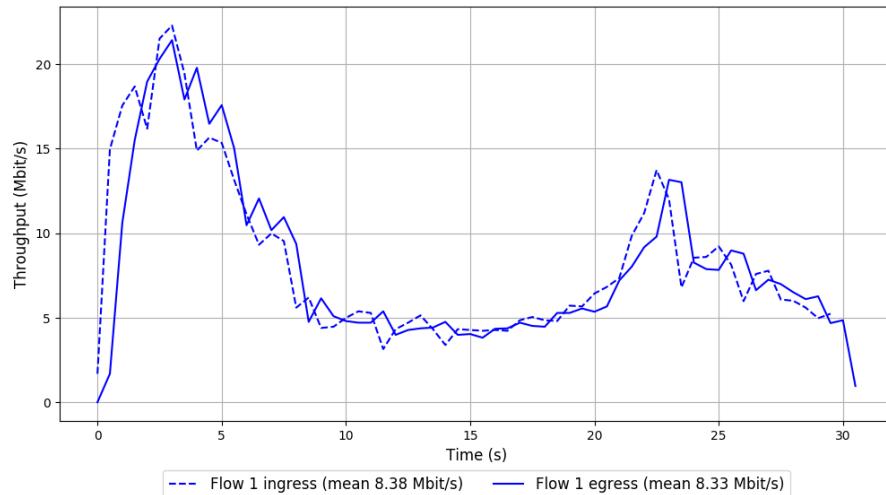


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-05 06:42:10
End at: 2018-06-05 06:42:40
Local clock offset: 6.378 ms
Remote clock offset: -2.676 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 66.290 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 66.290 ms
Loss rate: 0.67%
```

Run 7: Report of TCP Cubic — Data Link

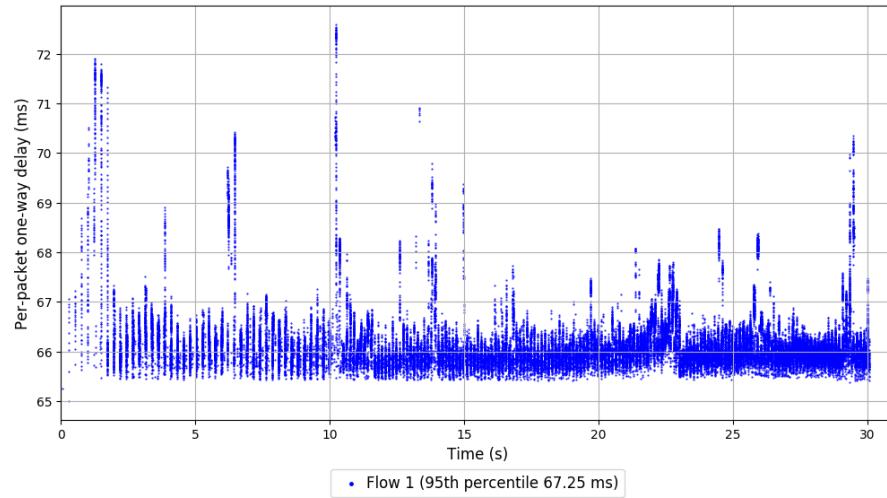
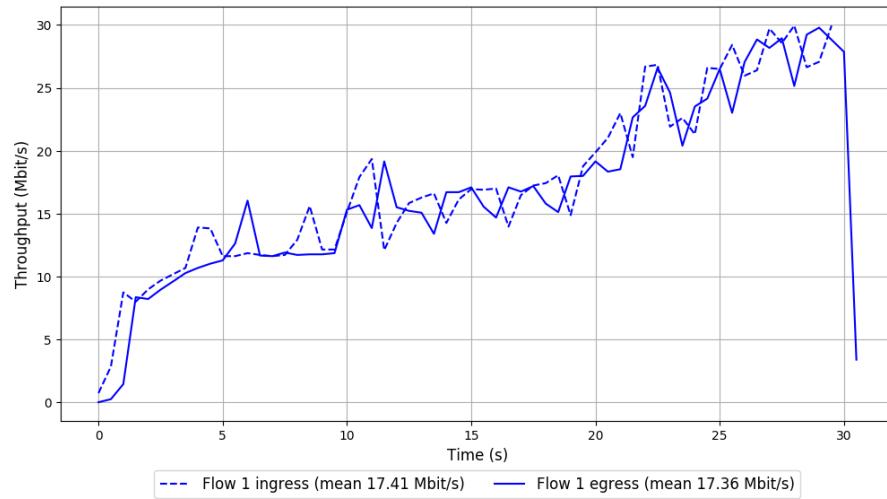


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-05 07:04:02
End at: 2018-06-05 07:04:32
Local clock offset: 5.511 ms
Remote clock offset: -2.011 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 67.245 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 67.245 ms
Loss rate: 0.32%
```

Run 8: Report of TCP Cubic — Data Link

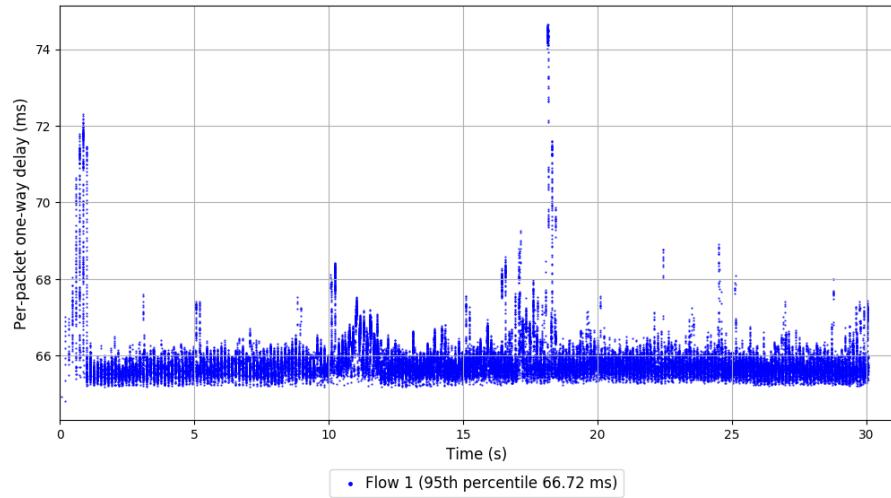
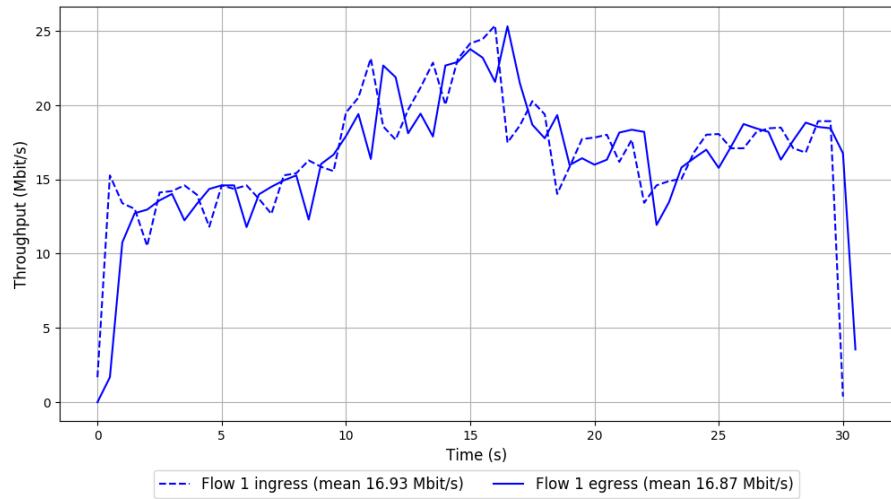


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-05 07:25:06
End at: 2018-06-05 07:25:36
Local clock offset: 7.479 ms
Remote clock offset: -3.511 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 66.716 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 66.716 ms
Loss rate: 0.31%
```

Run 9: Report of TCP Cubic — Data Link

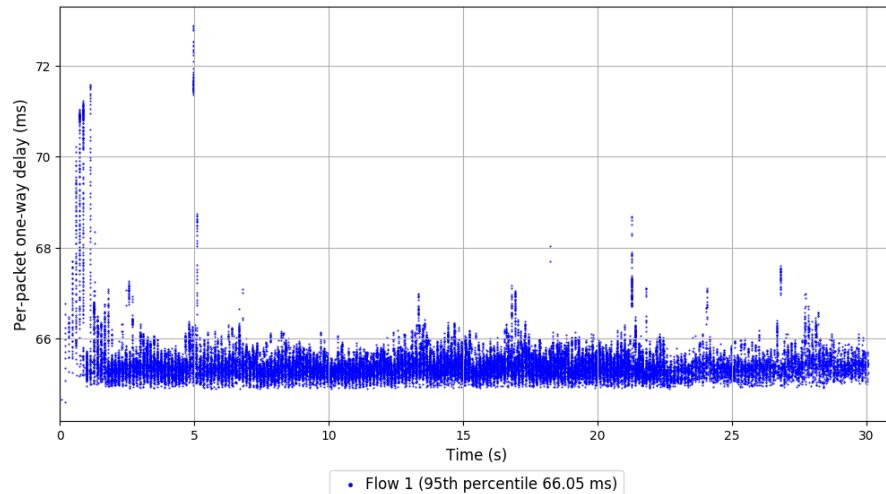
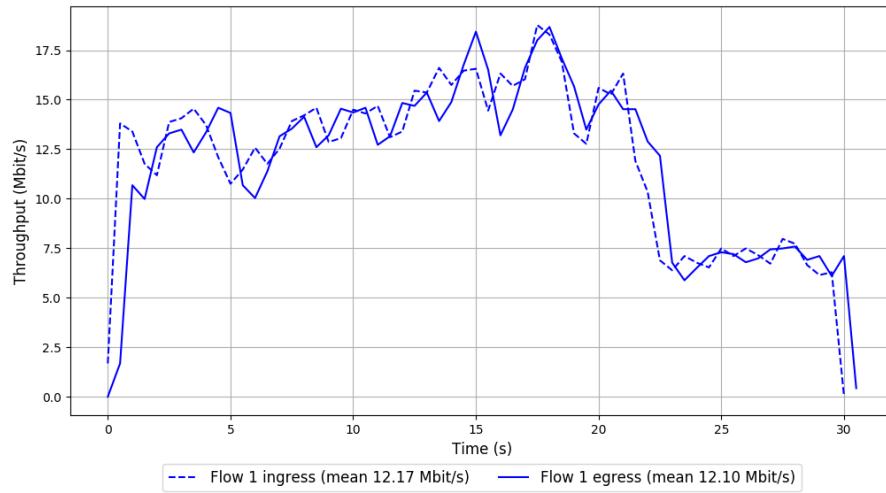


Run 10: Statistics of TCP Cubic

```
Start at: 2018-06-05 07:45:58
End at: 2018-06-05 07:46:28
Local clock offset: 7.78 ms
Remote clock offset: -3.703 ms

# Below is generated by plot.py at 2018-06-05 07:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 66.046 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 66.046 ms
Loss rate: 0.61%
```

Run 10: Report of TCP Cubic — Data Link

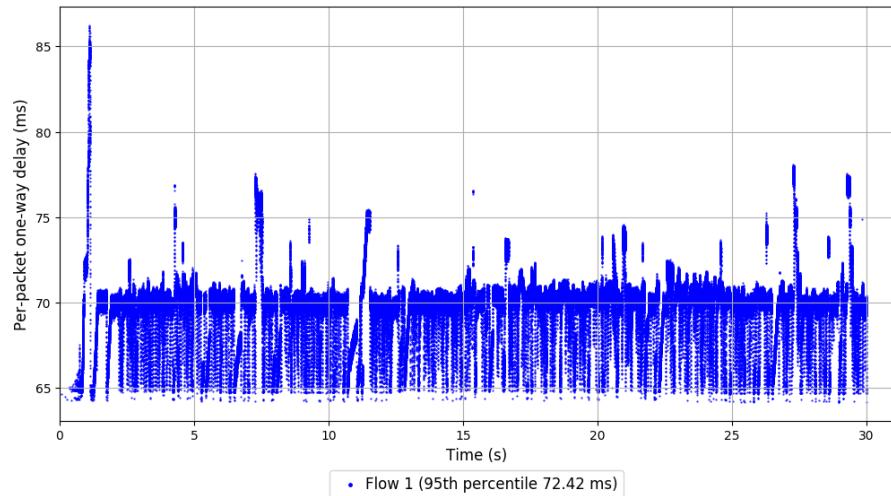
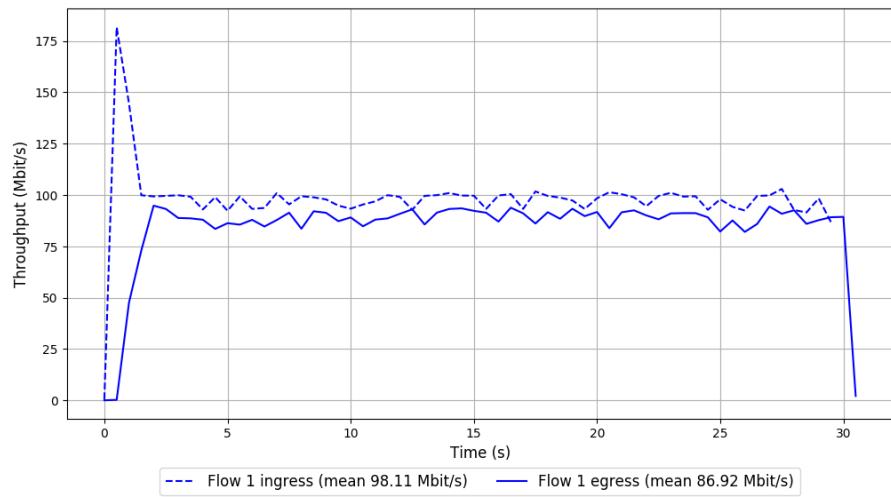


```
Run 1: Statistics of FillP
```

```
Start at: 2018-06-05 04:26:00
End at: 2018-06-05 04:26:30
Local clock offset: 7.276 ms
Remote clock offset: -4.712 ms

# Below is generated by plot.py at 2018-06-05 07:54:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 72.425 ms
Loss rate: 11.40%
-- Flow 1:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 72.425 ms
Loss rate: 11.40%
```

Run 1: Report of FillP — Data Link

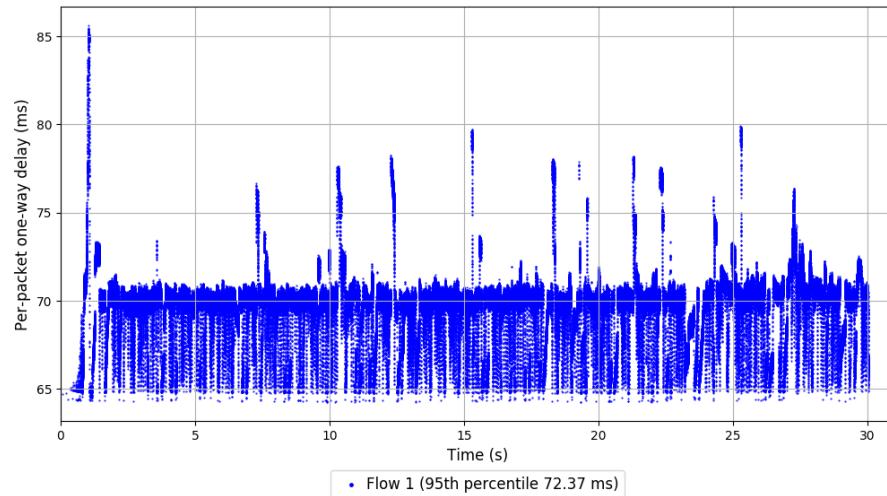
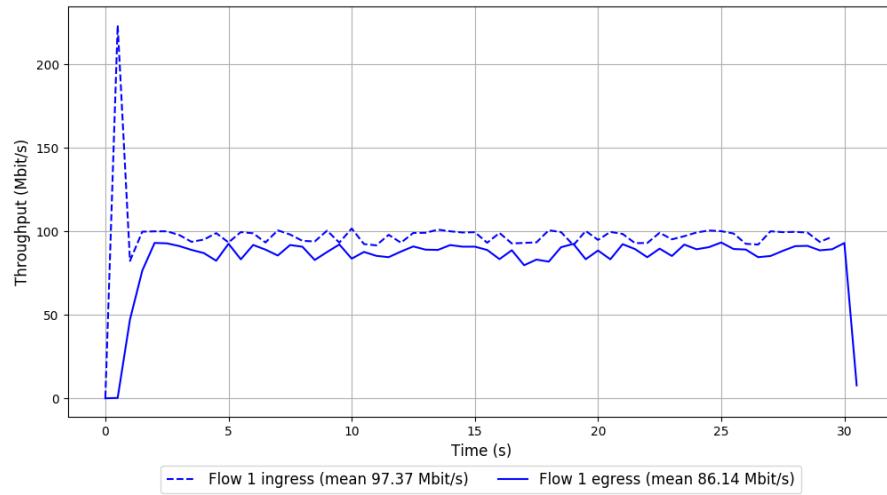


Run 2: Statistics of FillP

```
Start at: 2018-06-05 04:46:53
End at: 2018-06-05 04:47:23
Local clock offset: 6.238 ms
Remote clock offset: -3.57 ms

# Below is generated by plot.py at 2018-06-05 07:54:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 72.368 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 72.368 ms
Loss rate: 11.53%
```

Run 2: Report of FillP — Data Link

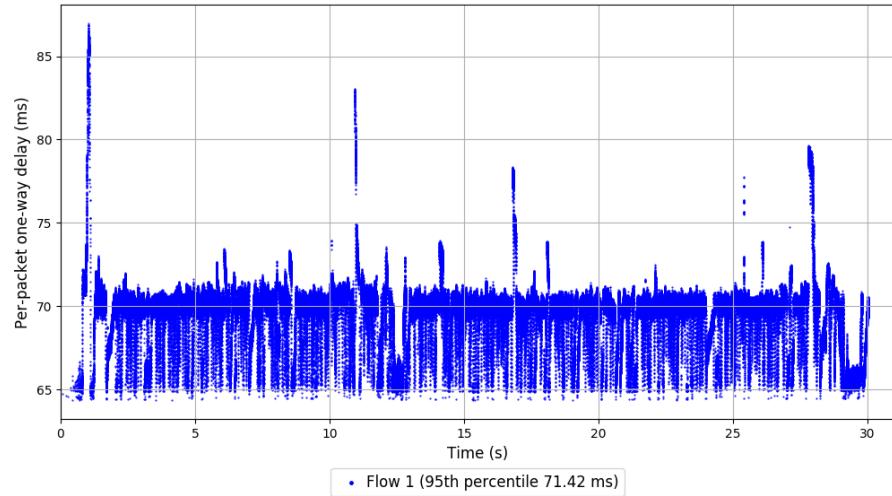
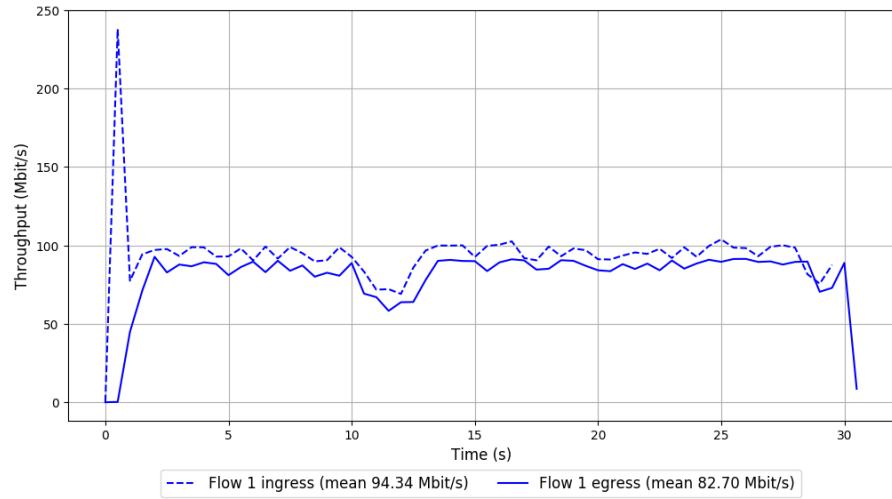


Run 3: Statistics of FillP

```
Start at: 2018-06-05 05:07:50
End at: 2018-06-05 05:08:20
Local clock offset: 5.269 ms
Remote clock offset: -5.918 ms

# Below is generated by plot.py at 2018-06-05 07:54:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 71.417 ms
Loss rate: 12.32%
-- Flow 1:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 71.417 ms
Loss rate: 12.32%
```

Run 3: Report of FillP — Data Link

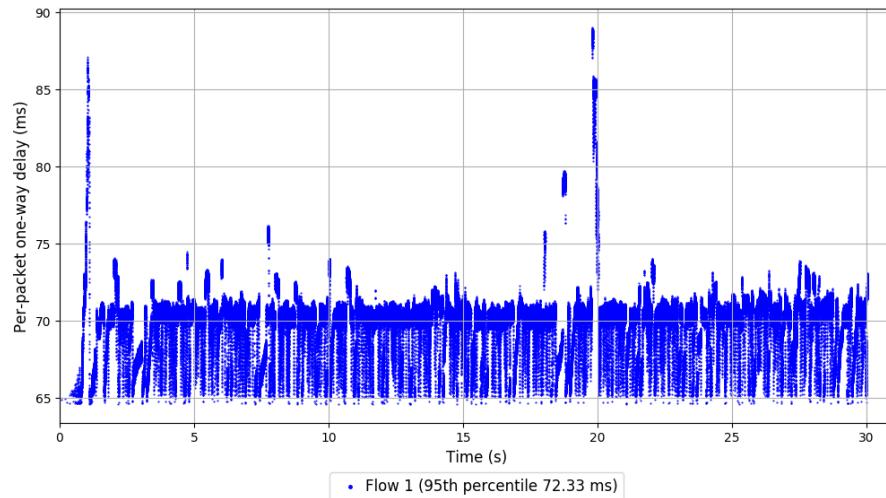
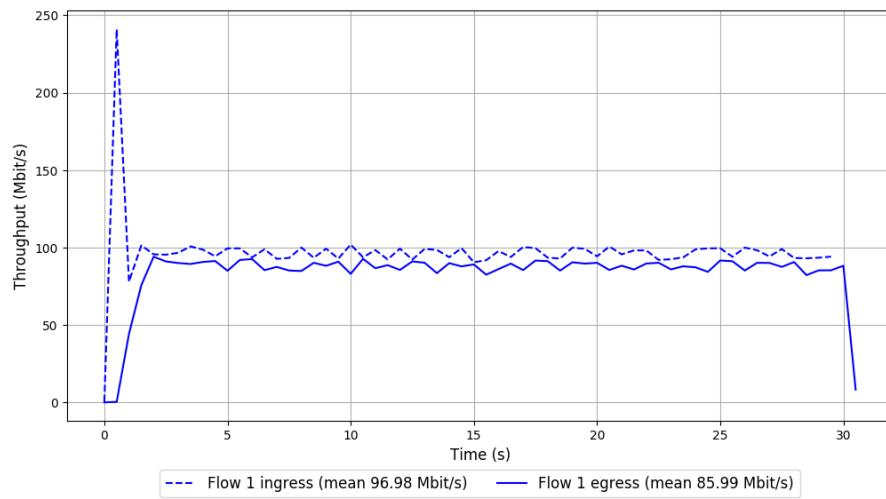


Run 4: Statistics of FillP

```
Start at: 2018-06-05 05:28:54
End at: 2018-06-05 05:29:25
Local clock offset: 7.032 ms
Remote clock offset: -5.306 ms

# Below is generated by plot.py at 2018-06-05 07:54:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 72.331 ms
Loss rate: 11.31%
-- Flow 1:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 72.331 ms
Loss rate: 11.31%
```

Run 4: Report of FillP — Data Link

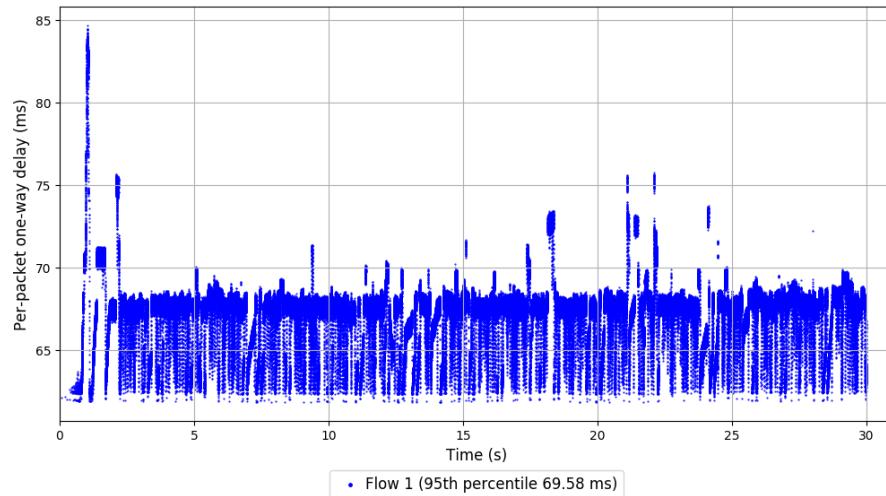
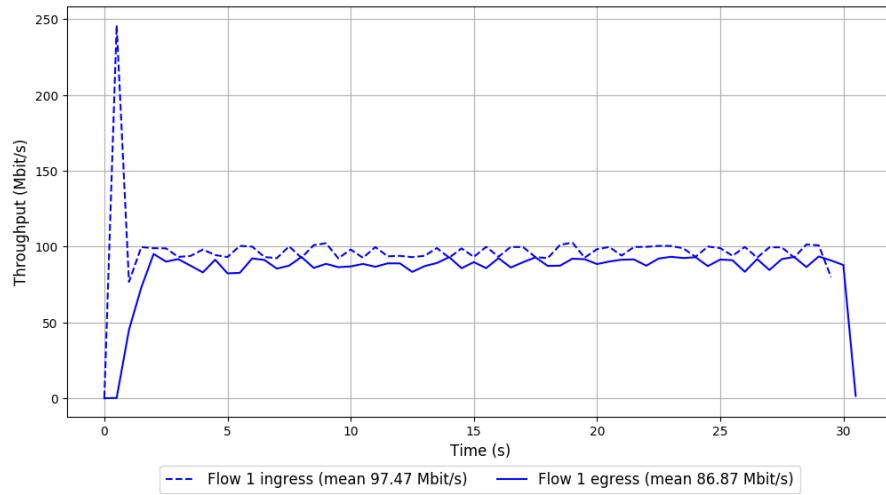


Run 5: Statistics of FillP

```
Start at: 2018-06-05 05:49:51
End at: 2018-06-05 05:50:21
Local clock offset: 7.429 ms
Remote clock offset: -6.182 ms

# Below is generated by plot.py at 2018-06-05 07:54:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 69.579 ms
Loss rate: 10.86%
-- Flow 1:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 69.579 ms
Loss rate: 10.86%
```

Run 5: Report of FillP — Data Link

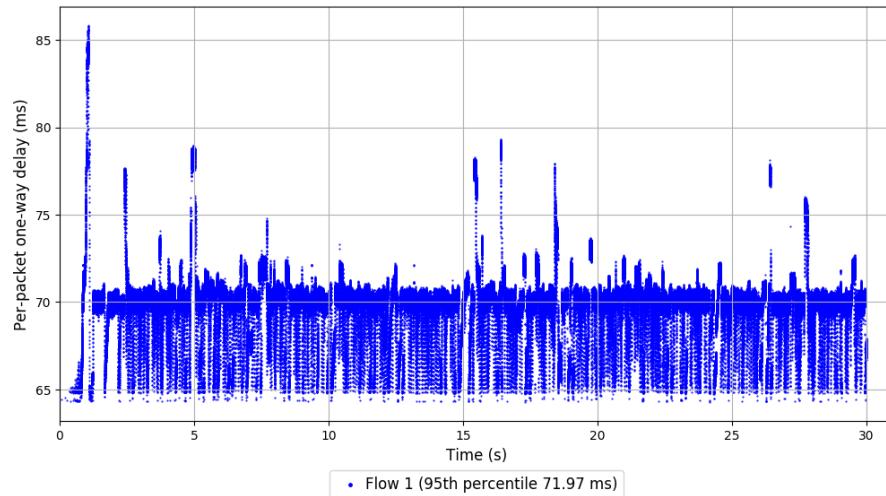
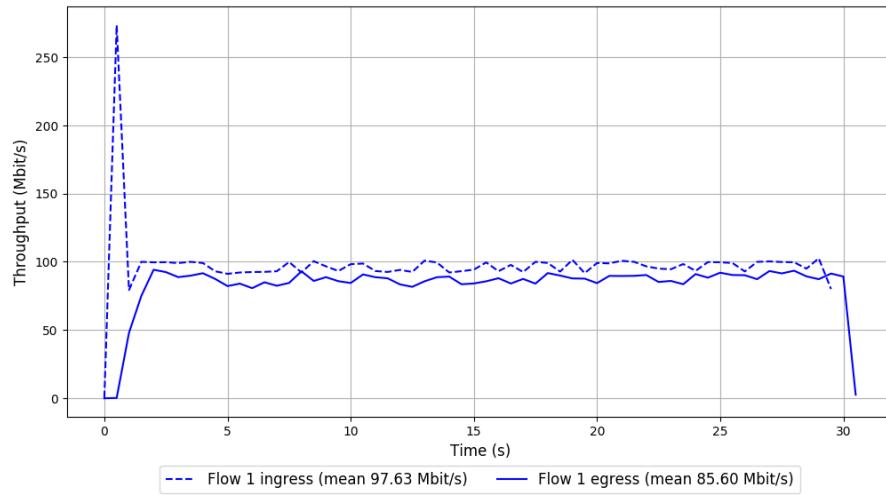


Run 6: Statistics of FillP

```
Start at: 2018-06-05 06:10:45
End at: 2018-06-05 06:11:15
Local clock offset: 7.474 ms
Remote clock offset: -3.012 ms

# Below is generated by plot.py at 2018-06-05 07:54:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 71.973 ms
Loss rate: 12.31%
-- Flow 1:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 71.973 ms
Loss rate: 12.31%
```

Run 6: Report of FillP — Data Link

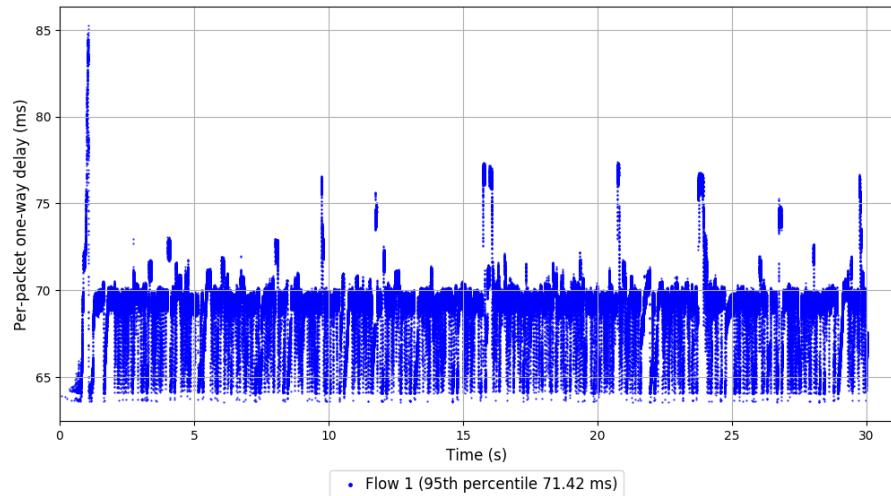
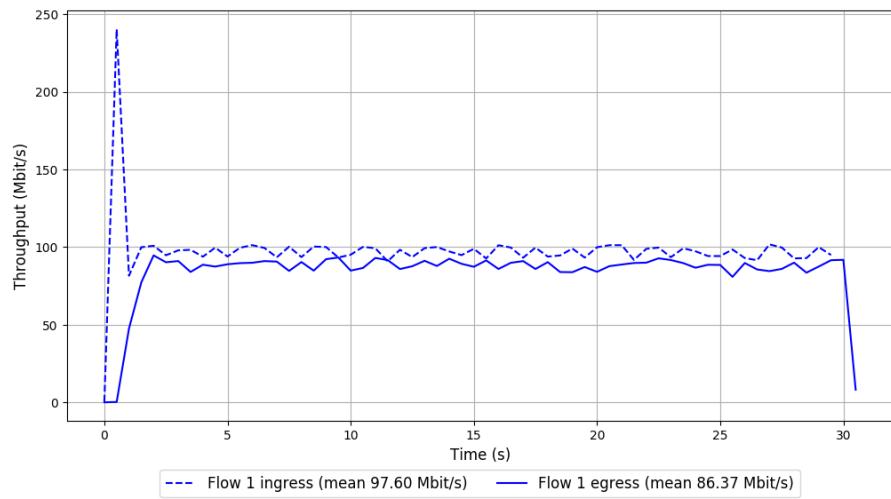


Run 7: Statistics of FillP

```
Start at: 2018-06-05 06:31:37
End at: 2018-06-05 06:32:07
Local clock offset: 6.741 ms
Remote clock offset: -3.067 ms

# Below is generated by plot.py at 2018-06-05 07:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 71.422 ms
Loss rate: 11.49%
-- Flow 1:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 71.422 ms
Loss rate: 11.49%
```

Run 7: Report of FillP — Data Link

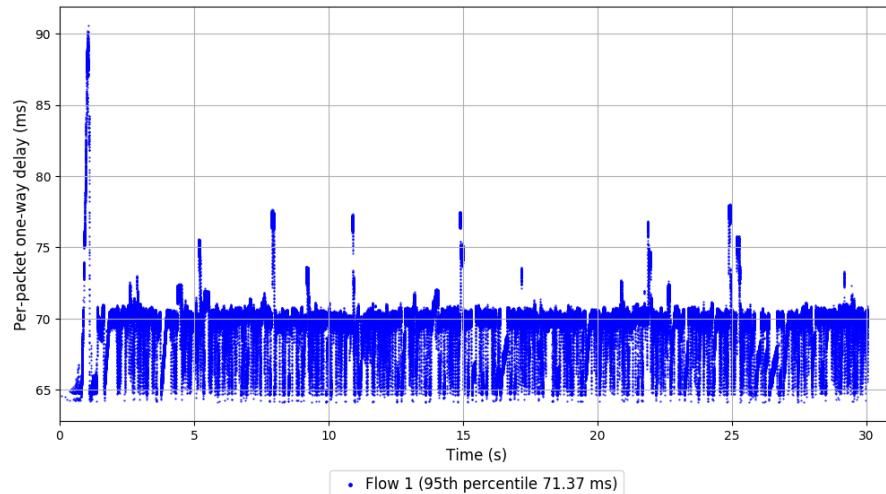
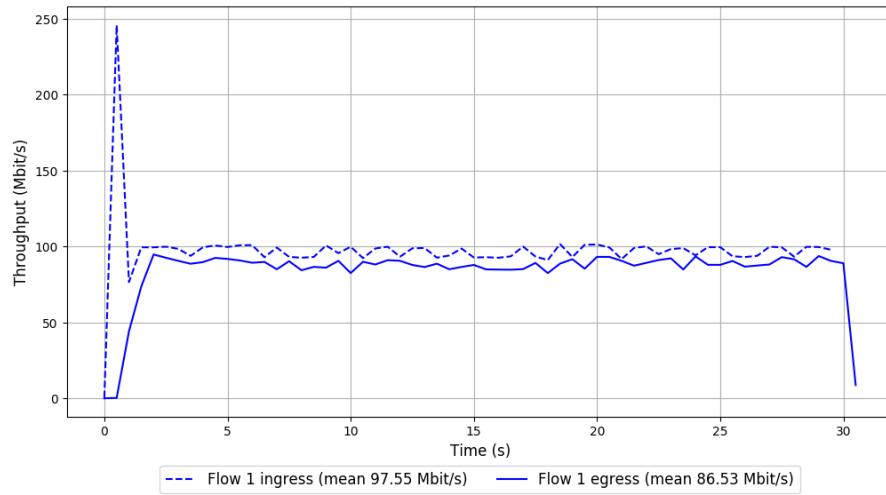


Run 8: Statistics of FillP

```
Start at: 2018-06-05 06:52:27
End at: 2018-06-05 06:52:57
Local clock offset: 6.036 ms
Remote clock offset: -2.533 ms

# Below is generated by plot.py at 2018-06-05 07:55:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 71.374 ms
Loss rate: 11.28%
-- Flow 1:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 71.374 ms
Loss rate: 11.28%
```

Run 8: Report of FillP — Data Link

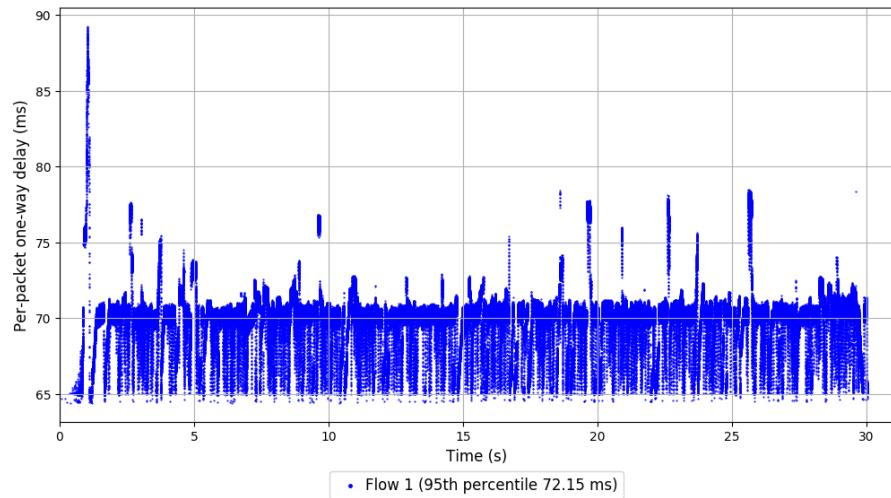
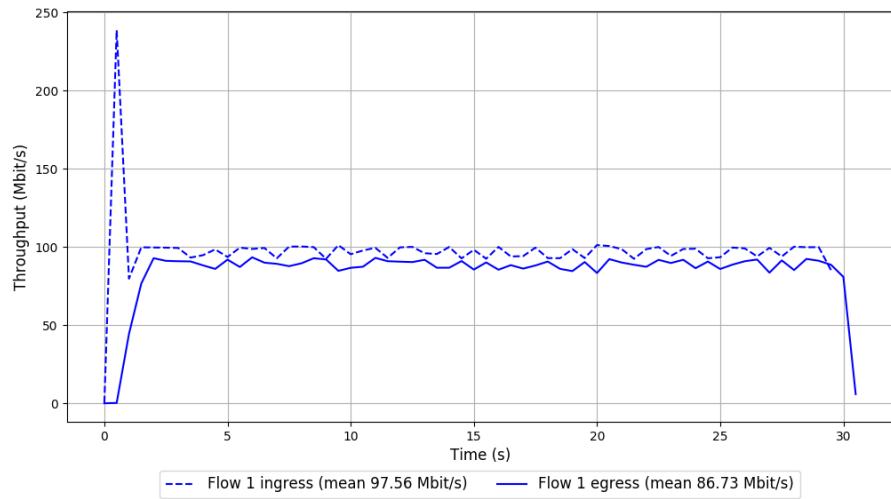


Run 9: Statistics of FillP

```
Start at: 2018-06-05 07:14:32
End at: 2018-06-05 07:15:02
Local clock offset: 6.372 ms
Remote clock offset: -3.098 ms

# Below is generated by plot.py at 2018-06-05 07:55:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 72.150 ms
Loss rate: 11.10%
-- Flow 1:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 72.150 ms
Loss rate: 11.10%
```

Run 9: Report of FillP — Data Link

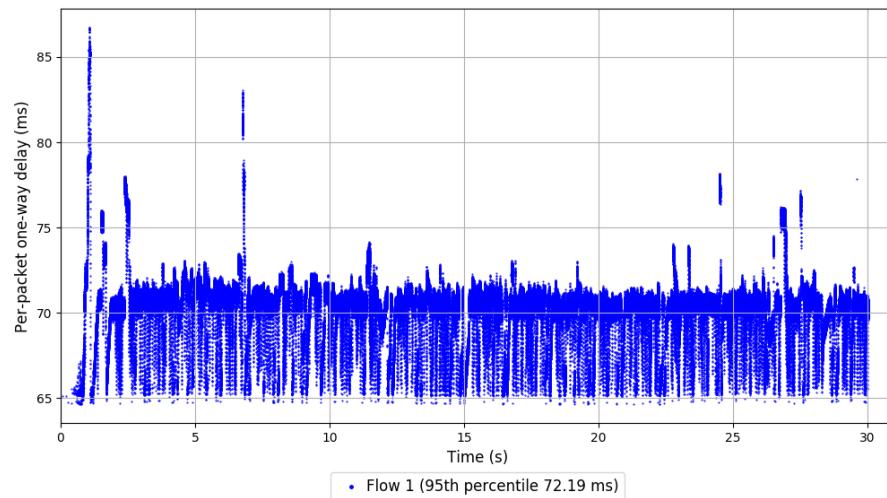
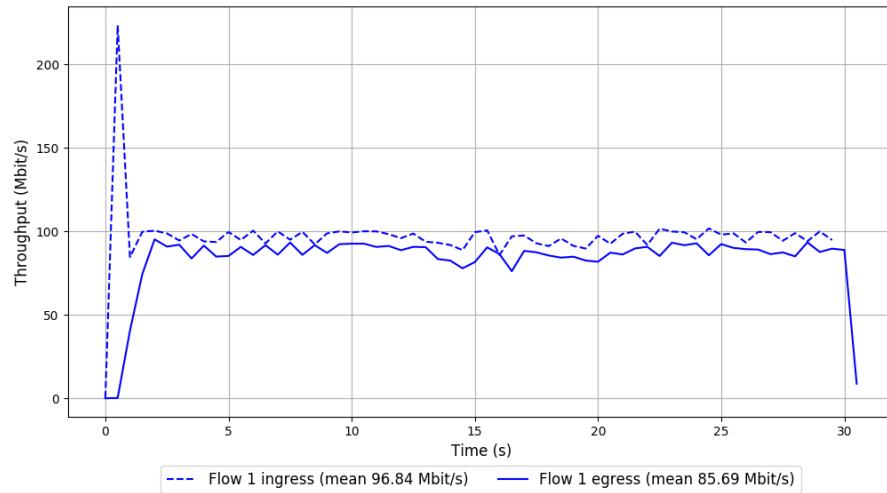


Run 10: Statistics of FillP

```
Start at: 2018-06-05 07:35:26
End at: 2018-06-05 07:35:56
Local clock offset: 7.734 ms
Remote clock offset: -3.705 ms

# Below is generated by plot.py at 2018-06-05 07:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 72.195 ms
Loss rate: 11.50%
-- Flow 1:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 72.195 ms
Loss rate: 11.50%
```

Run 10: Report of FillP — Data Link

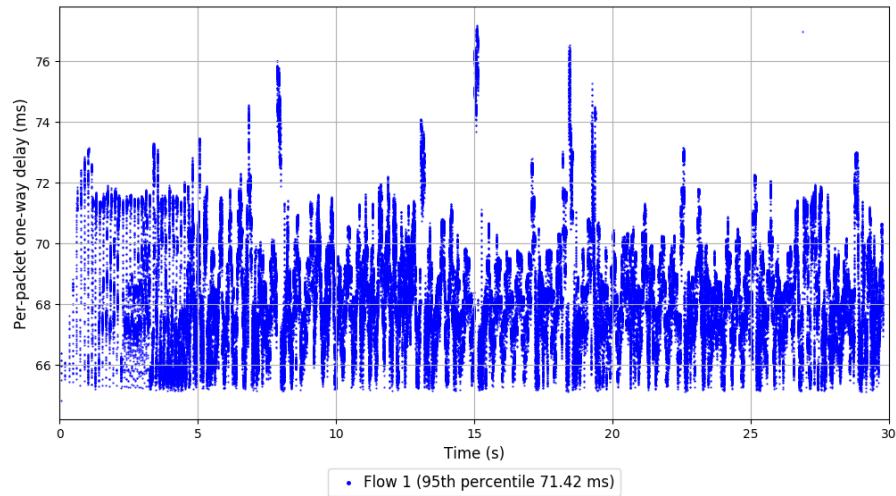
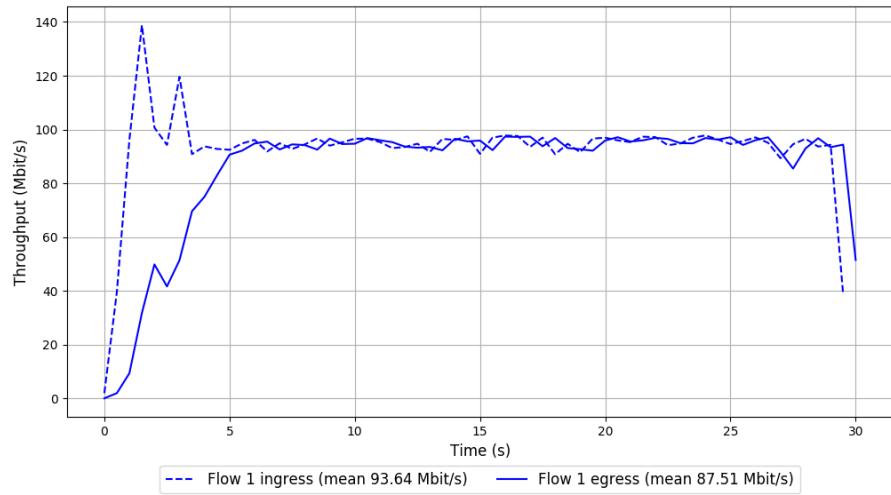


Run 1: Statistics of Indigo

```
Start at: 2018-06-05 04:27:19
End at: 2018-06-05 04:27:49
Local clock offset: 7.247 ms
Remote clock offset: -4.508 ms

# Below is generated by plot.py at 2018-06-05 07:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 71.416 ms
Loss rate: 6.53%
-- Flow 1:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 71.416 ms
Loss rate: 6.53%
```

Run 1: Report of Indigo — Data Link

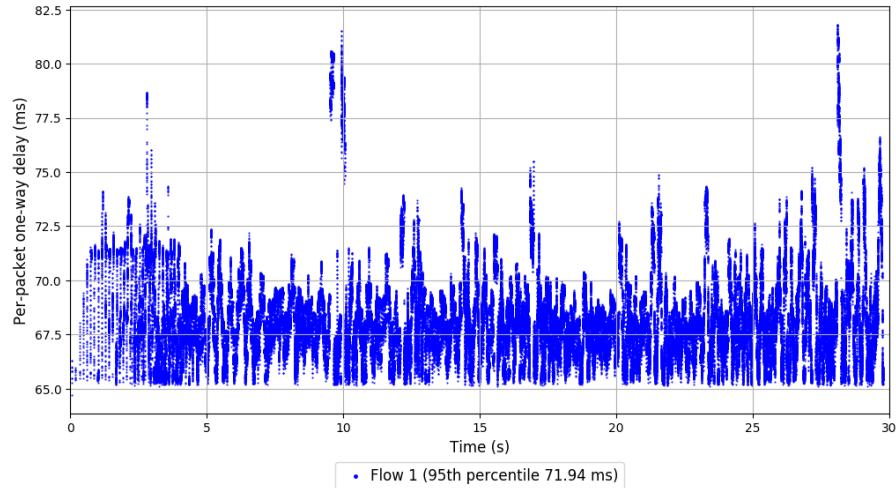
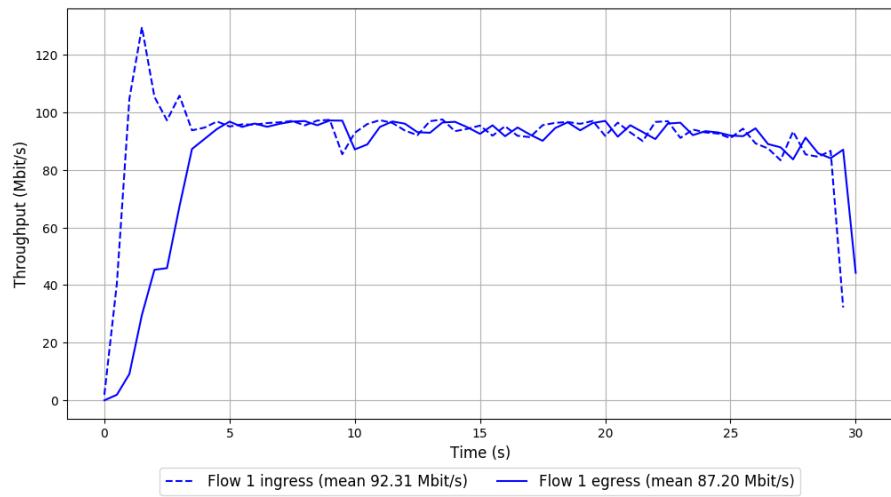


Run 2: Statistics of Indigo

```
Start at: 2018-06-05 04:48:12
End at: 2018-06-05 04:48:42
Local clock offset: 6.201 ms
Remote clock offset: -3.398 ms

# Below is generated by plot.py at 2018-06-05 07:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 71.935 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 71.935 ms
Loss rate: 5.54%
```

Run 2: Report of Indigo — Data Link

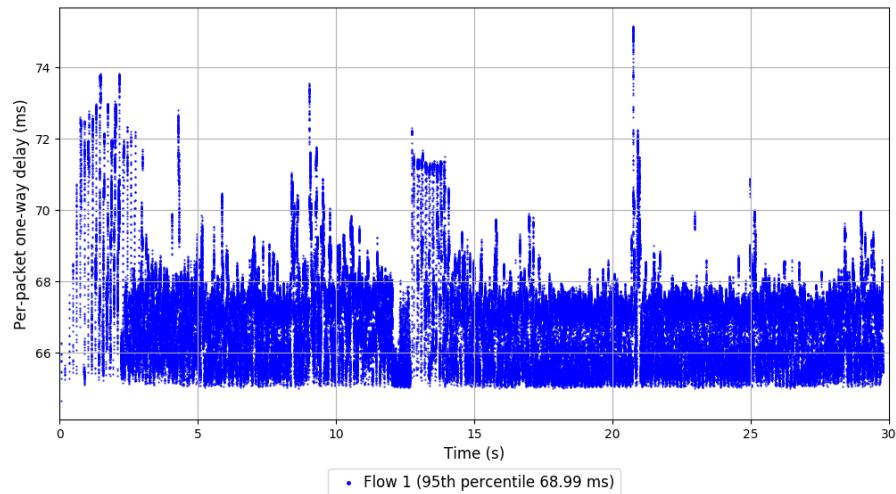
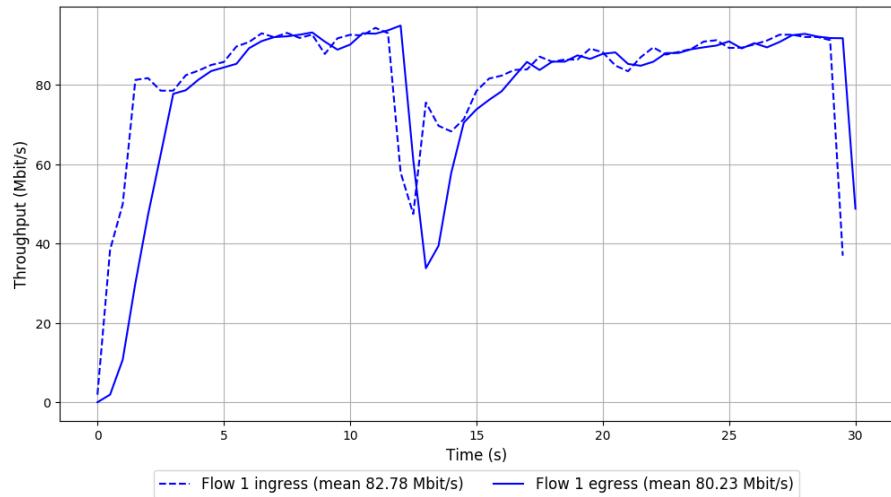


Run 3: Statistics of Indigo

```
Start at: 2018-06-05 05:09:19
End at: 2018-06-05 05:09:49
Local clock offset: 5.25 ms
Remote clock offset: -5.904 ms

# Below is generated by plot.py at 2018-06-05 07:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 68.989 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 68.989 ms
Loss rate: 3.08%
```

Run 3: Report of Indigo — Data Link

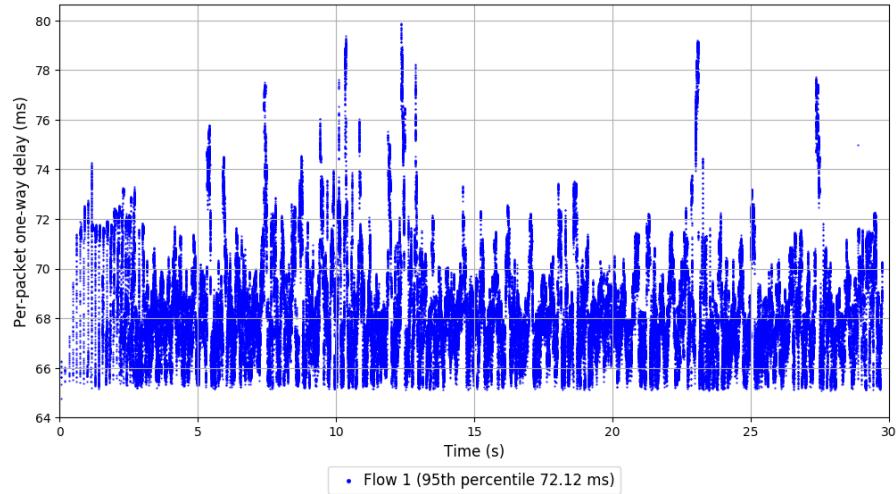
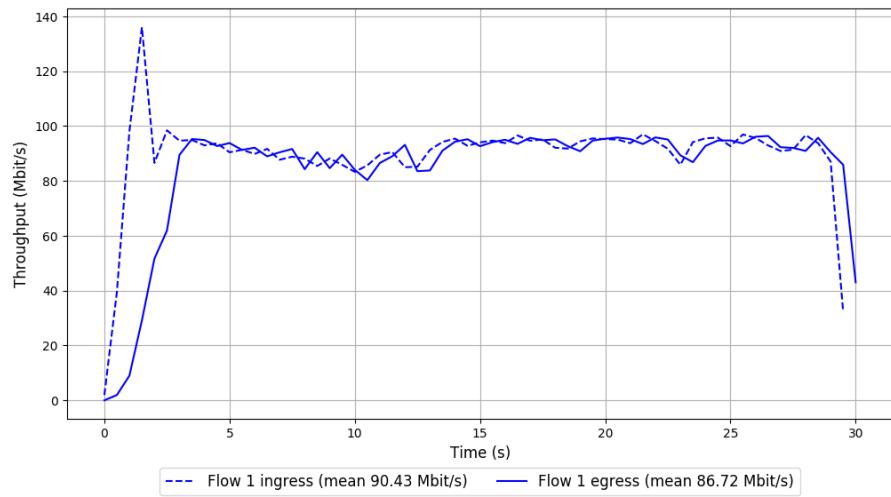


Run 4: Statistics of Indigo

```
Start at: 2018-06-05 05:30:14
End at: 2018-06-05 05:30:44
Local clock offset: 7.309 ms
Remote clock offset: -5.123 ms

# Below is generated by plot.py at 2018-06-05 07:56:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 72.122 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 72.122 ms
Loss rate: 4.09%
```

Run 4: Report of Indigo — Data Link

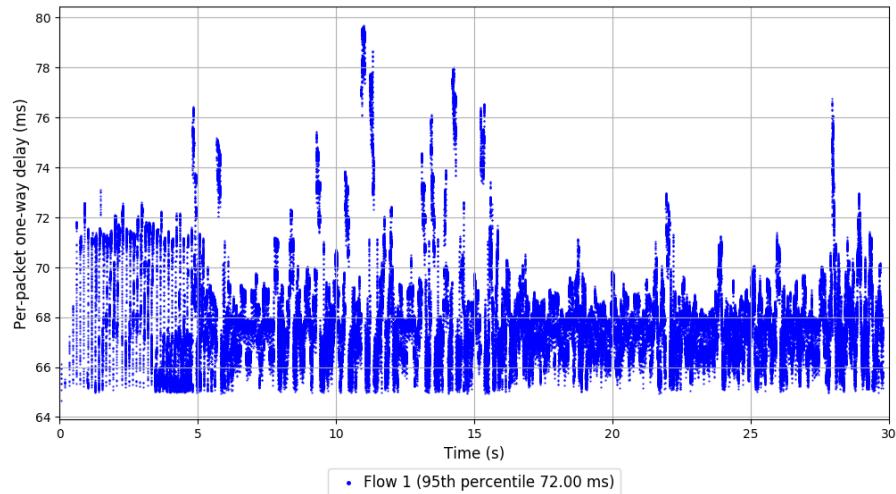
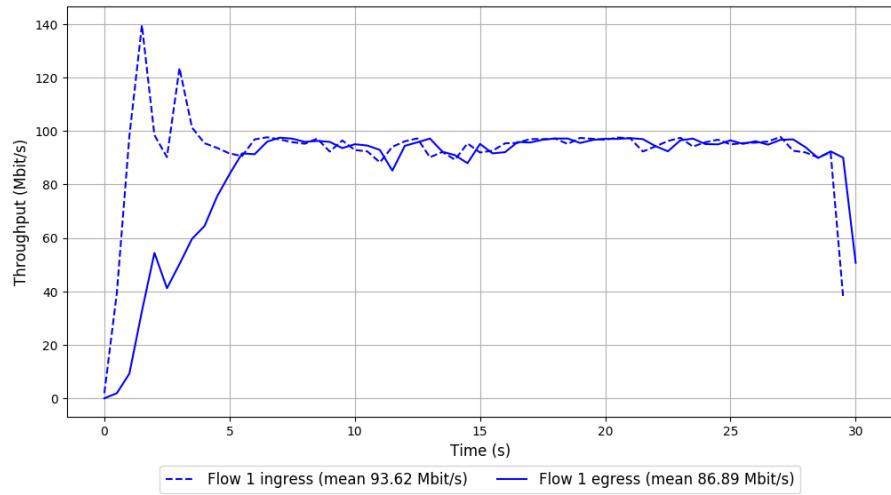


Run 5: Statistics of Indigo

```
Start at: 2018-06-05 05:51:10
End at: 2018-06-05 05:51:40
Local clock offset: 7.46 ms
Remote clock offset: -3.238 ms

# Below is generated by plot.py at 2018-06-05 07:56:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 72.001 ms
Loss rate: 7.18%
-- Flow 1:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 72.001 ms
Loss rate: 7.18%
```

Run 5: Report of Indigo — Data Link

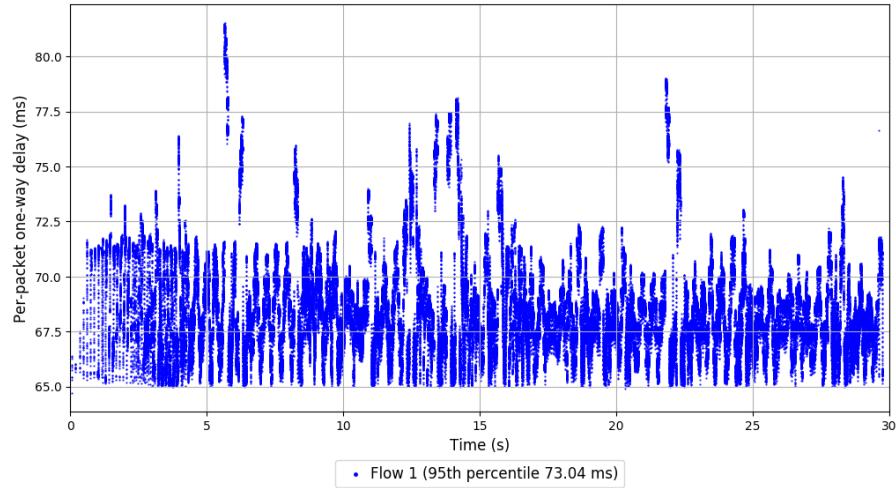
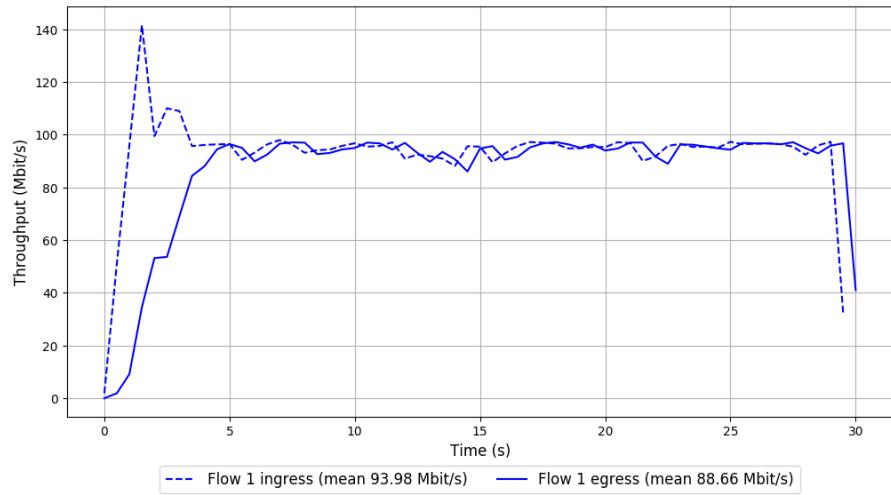


Run 6: Statistics of Indigo

```
Start at: 2018-06-05 06:12:04
End at: 2018-06-05 06:12:34
Local clock offset: 7.234 ms
Remote clock offset: -3.009 ms

# Below is generated by plot.py at 2018-06-05 07:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 73.040 ms
Loss rate: 5.64%
-- Flow 1:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 73.040 ms
Loss rate: 5.64%
```

Run 6: Report of Indigo — Data Link

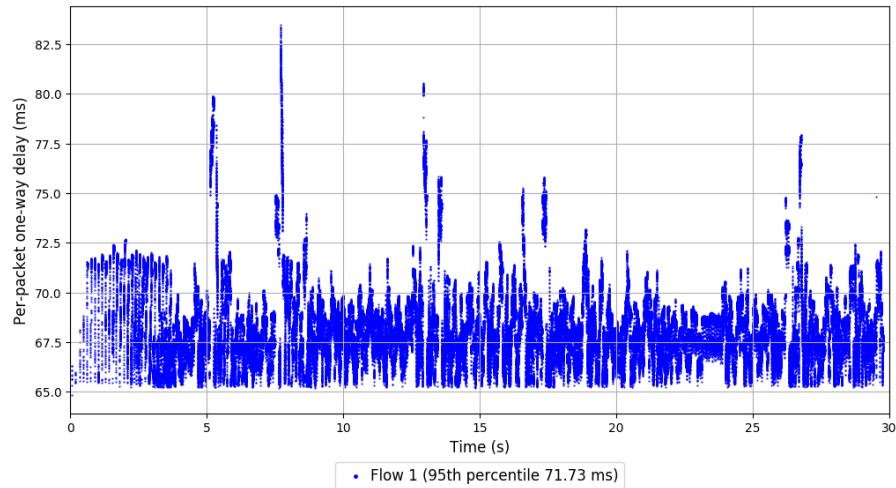
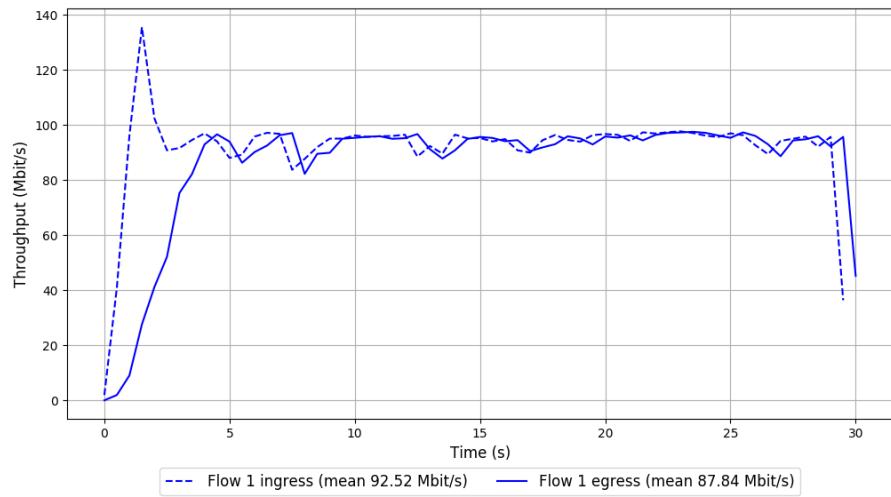


Run 7: Statistics of Indigo

```
Start at: 2018-06-05 06:32:56
End at: 2018-06-05 06:33:26
Local clock offset: 6.6 ms
Remote clock offset: -2.411 ms

# Below is generated by plot.py at 2018-06-05 07:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 71.729 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 71.729 ms
Loss rate: 5.04%
```

Run 7: Report of Indigo — Data Link

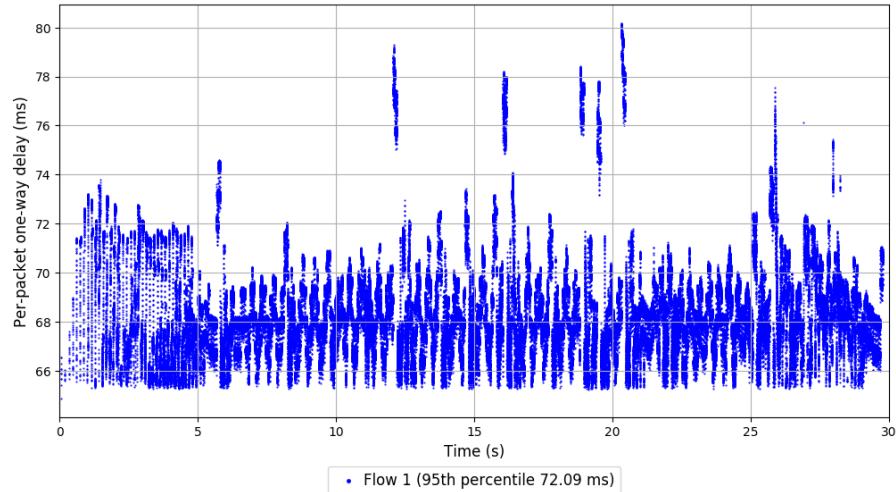
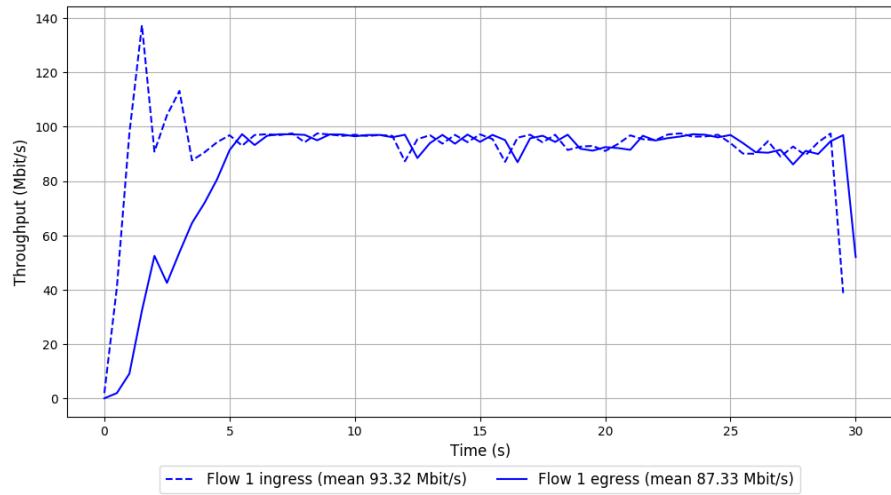


Run 8: Statistics of Indigo

```
Start at: 2018-06-05 06:53:47
End at: 2018-06-05 06:54:17
Local clock offset: 5.868 ms
Remote clock offset: -2.374 ms

# Below is generated by plot.py at 2018-06-05 07:57:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 72.086 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 72.086 ms
Loss rate: 6.41%
```

Run 8: Report of Indigo — Data Link

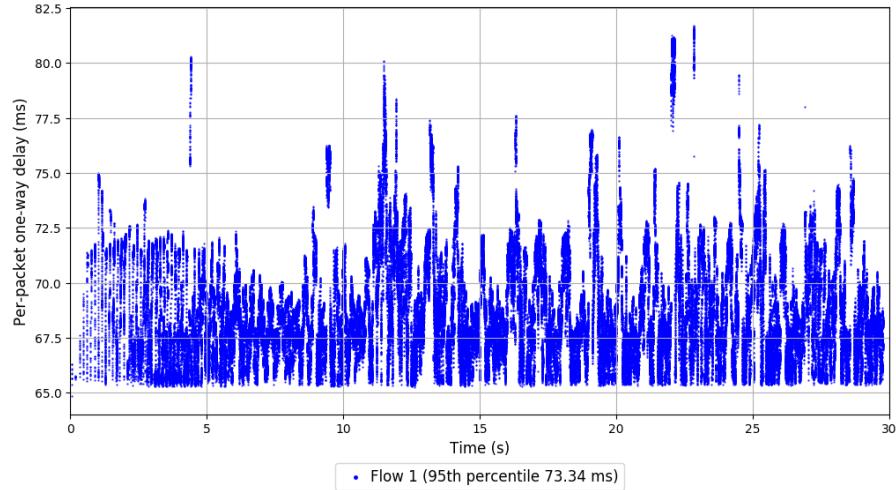
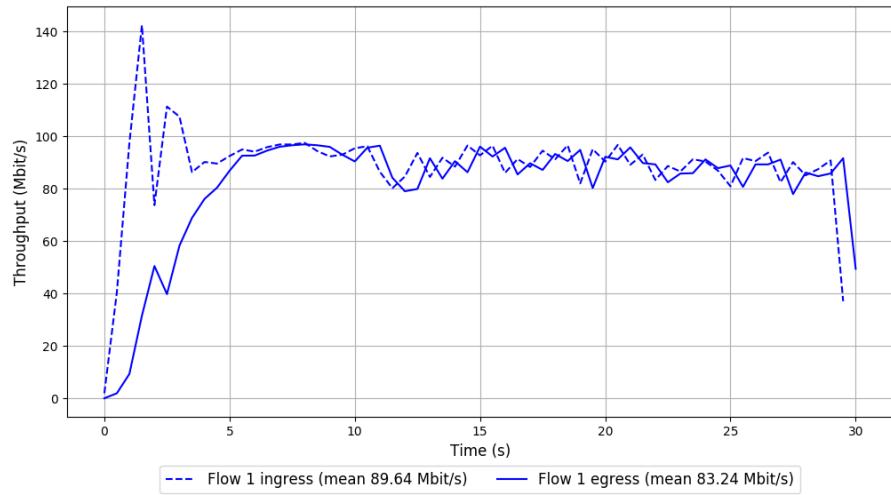


Run 9: Statistics of Indigo

```
Start at: 2018-06-05 07:15:51
End at: 2018-06-05 07:16:21
Local clock offset: 6.468 ms
Remote clock offset: -3.18 ms

# Below is generated by plot.py at 2018-06-05 07:57:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 73.337 ms
Loss rate: 7.13%
-- Flow 1:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 73.337 ms
Loss rate: 7.13%
```

Run 9: Report of Indigo — Data Link

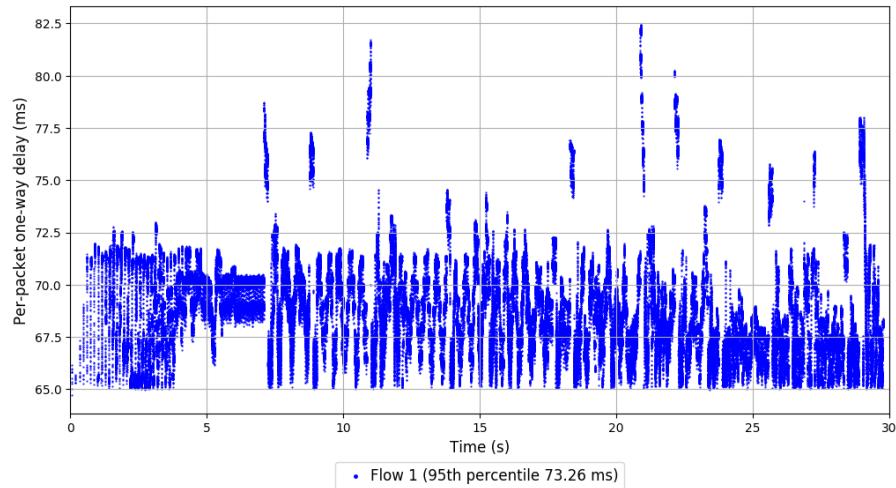
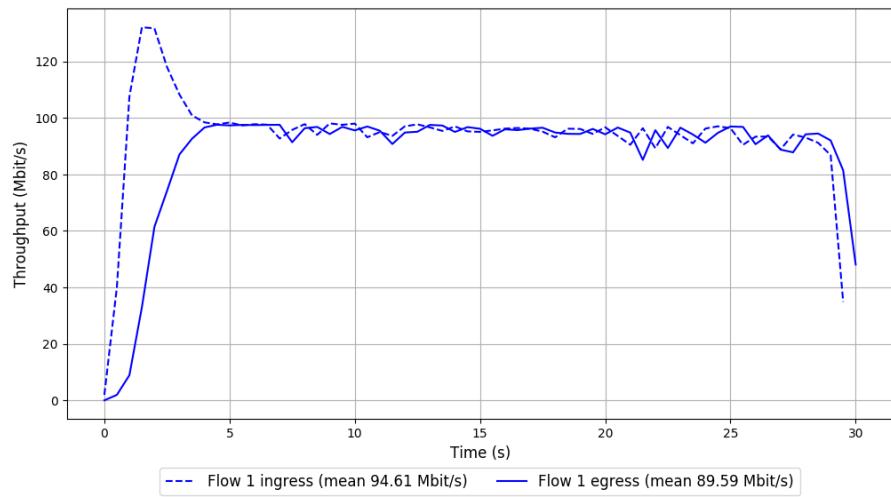


Run 10: Statistics of Indigo

```
Start at: 2018-06-05 07:36:45
End at: 2018-06-05 07:37:15
Local clock offset: 7.777 ms
Remote clock offset: -3.58 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 73.263 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 73.263 ms
Loss rate: 5.30%
```

Run 10: Report of Indigo — Data Link

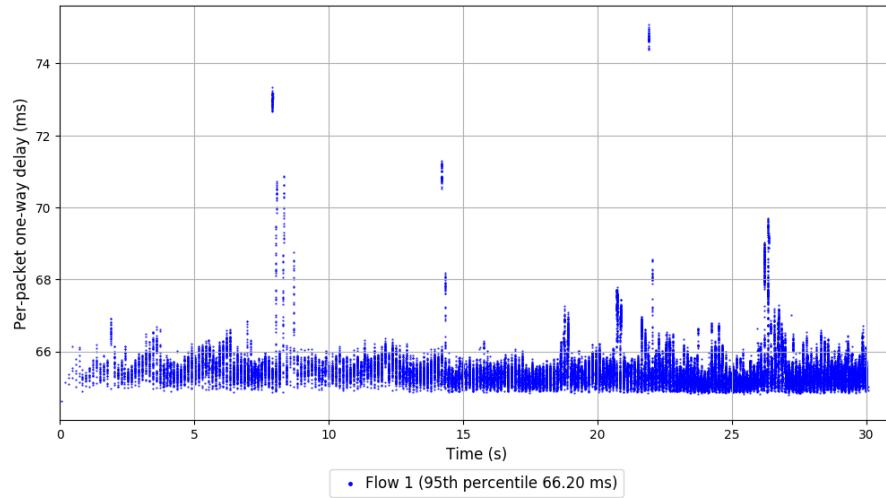
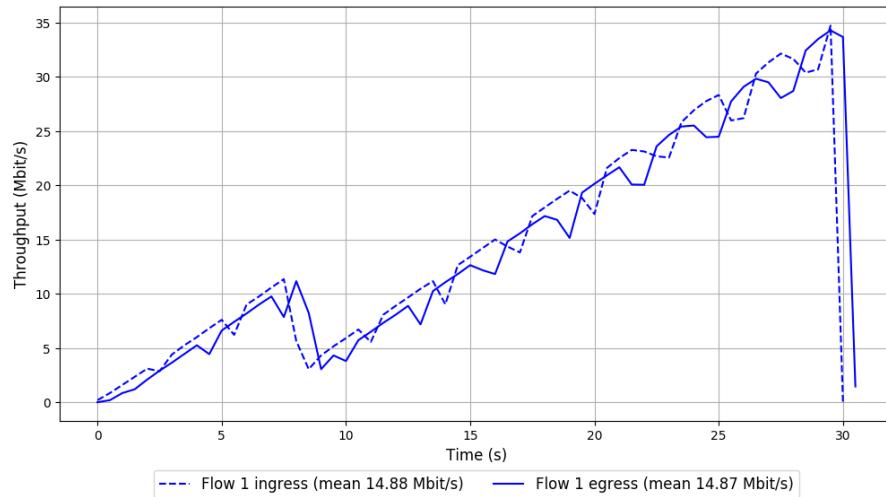


Run 1: Statistics of LEDBAT

```
Start at: 2018-06-05 04:32:38
End at: 2018-06-05 04:33:08
Local clock offset: 7.058 ms
Remote clock offset: -4.06 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 66.200 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 66.200 ms
Loss rate: 0.03%
```

Run 1: Report of LEDBAT — Data Link

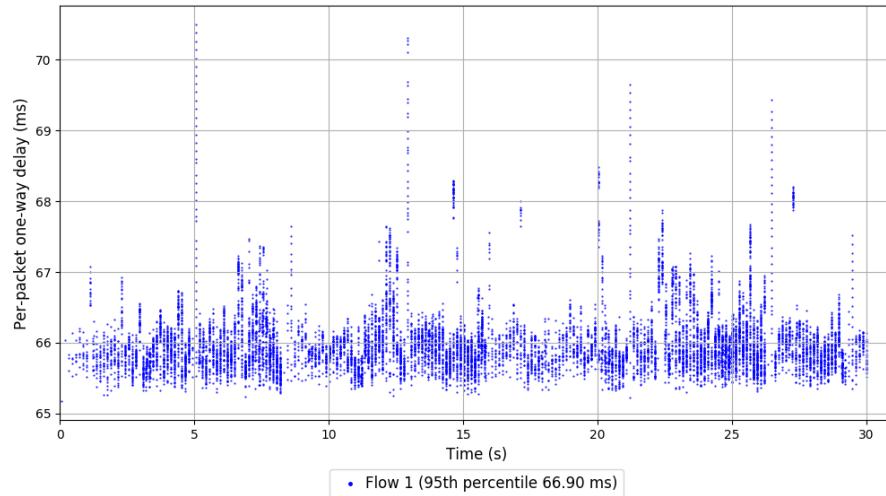
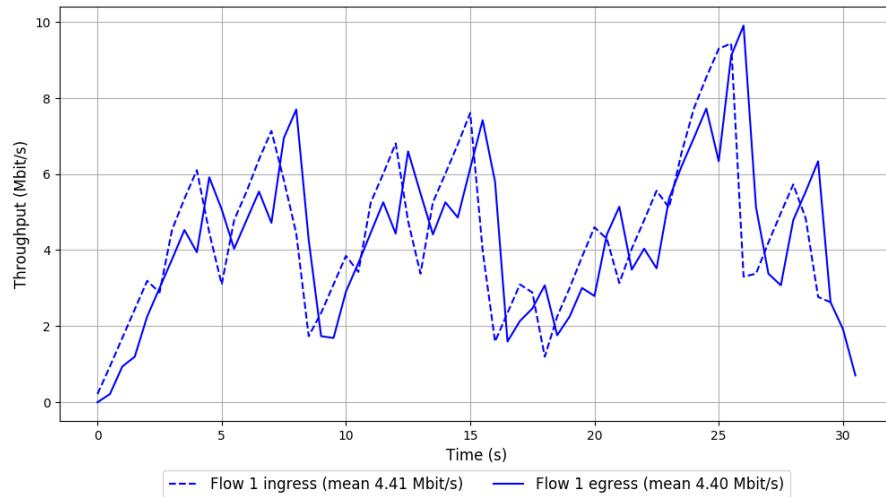


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-05 04:53:32
End at: 2018-06-05 04:54:02
Local clock offset: 5.811 ms
Remote clock offset: -4.114 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 66.904 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 66.904 ms
Loss rate: 0.28%
```

Run 2: Report of LEDBAT — Data Link

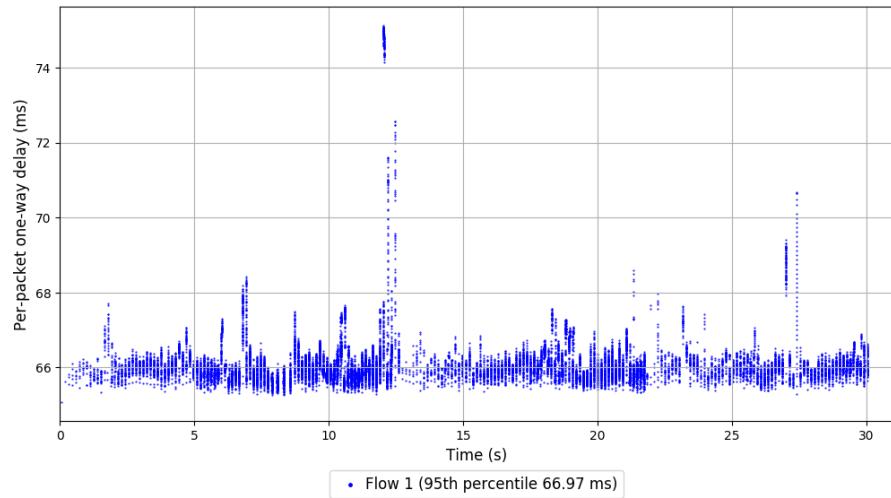
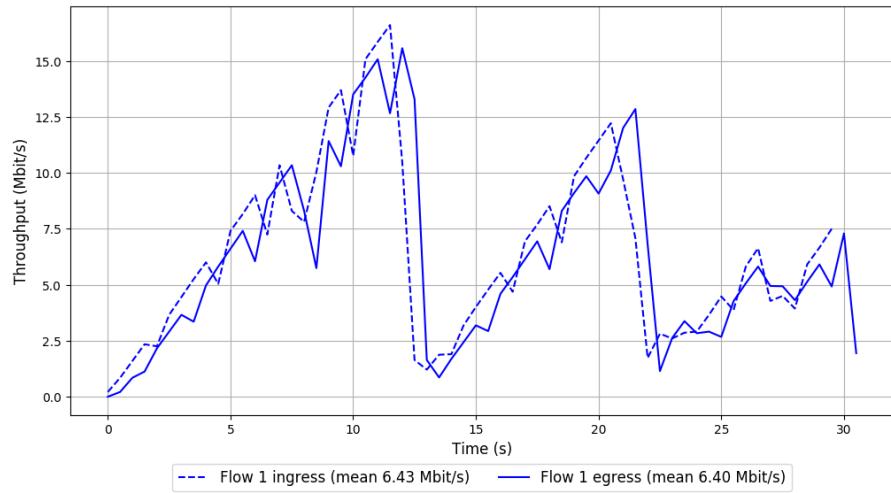


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-05 05:14:40
End at: 2018-06-05 05:15:10
Local clock offset: 6.184 ms
Remote clock offset: -6.078 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 66.969 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 66.969 ms
Loss rate: 0.45%
```

Run 3: Report of LEDBAT — Data Link

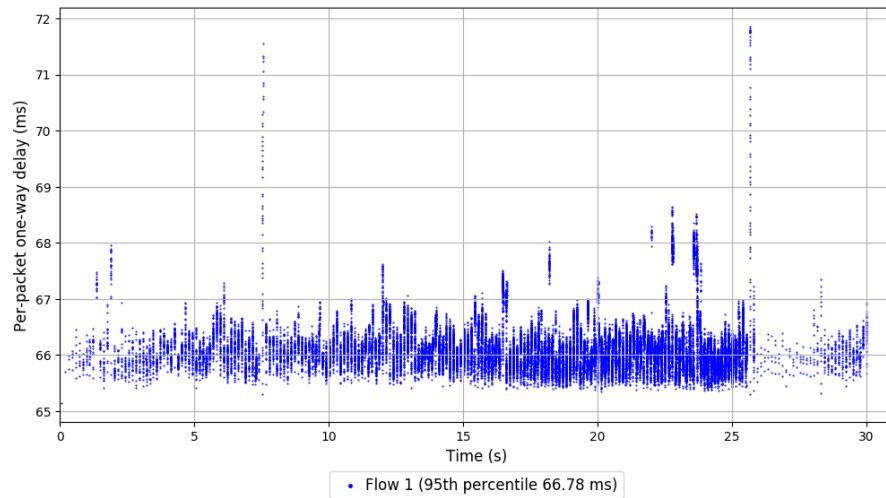
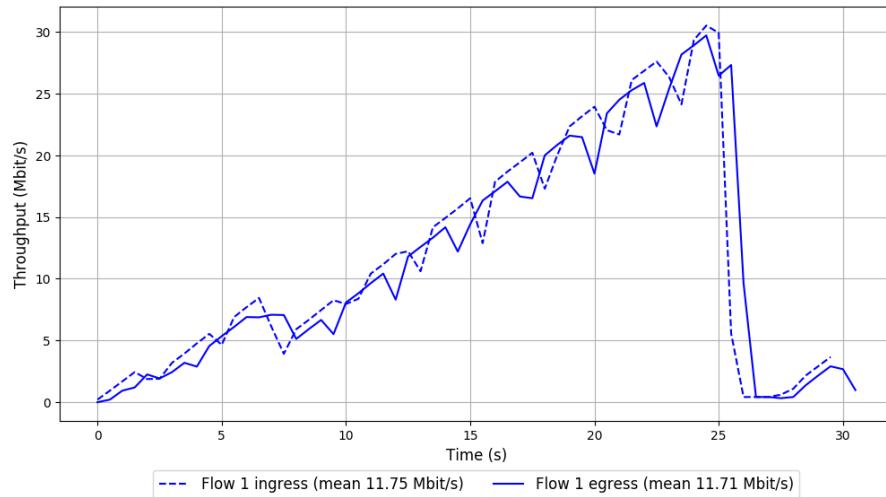


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-05 05:35:32
End at: 2018-06-05 05:36:03
Local clock offset: 7.195 ms
Remote clock offset: -4.406 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 66.783 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 66.783 ms
Loss rate: 0.39%
```

Run 4: Report of LEDBAT — Data Link

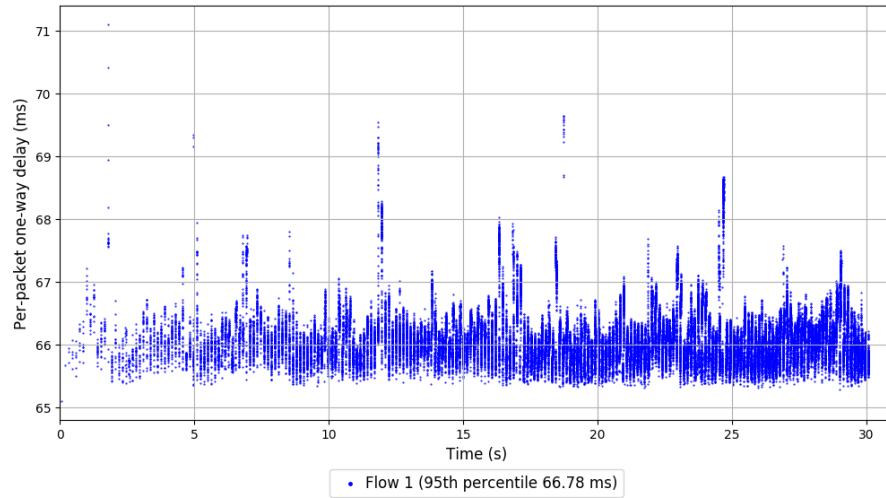
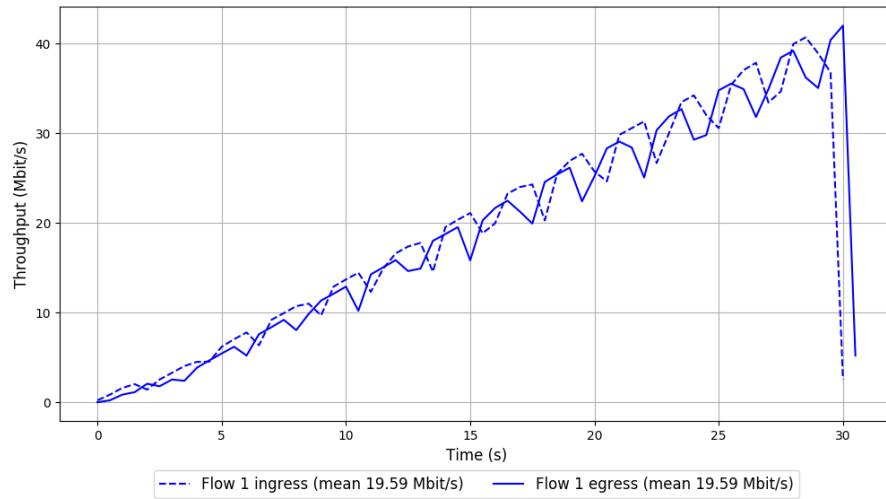


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-05 05:56:30
End at: 2018-06-05 05:57:00
Local clock offset: 7.321 ms
Remote clock offset: -2.992 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 66.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 66.777 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

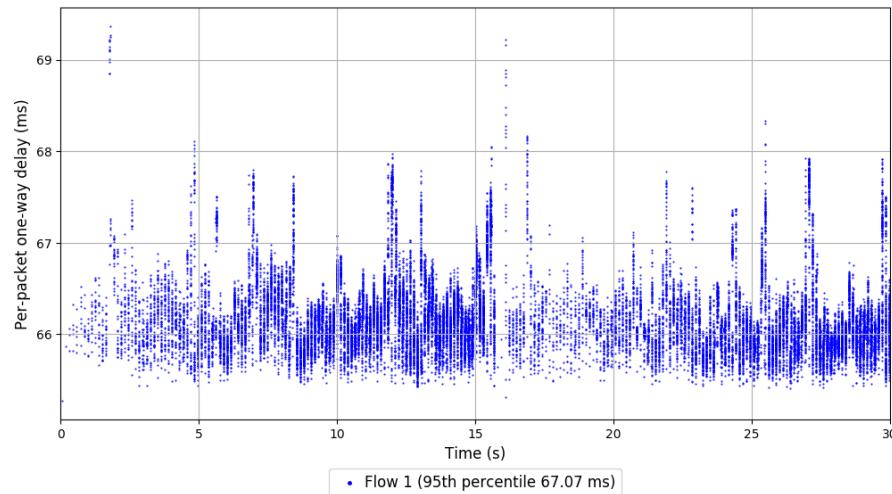
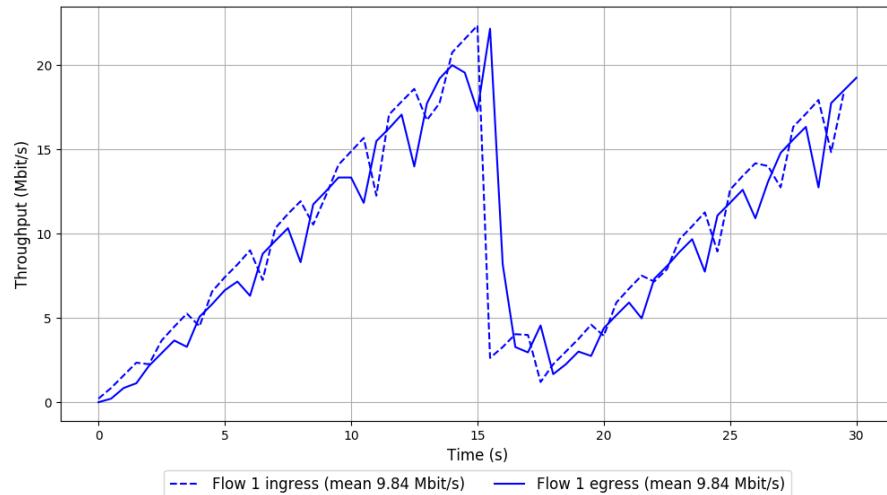


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-05 06:17:23
End at: 2018-06-05 06:17:53
Local clock offset: 6.878 ms
Remote clock offset: -2.82 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 67.070 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 67.070 ms
Loss rate: 0.02%
```

Run 6: Report of LEDBAT — Data Link

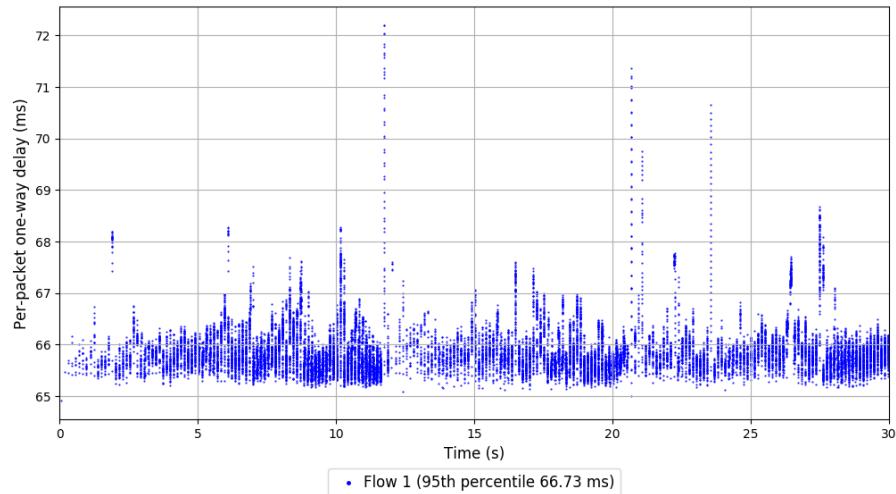
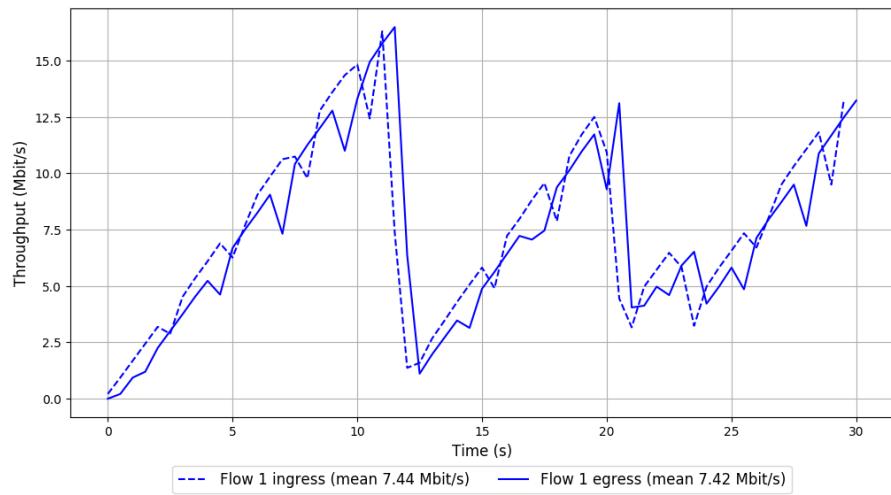


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-05 06:38:14
End at: 2018-06-05 06:38:44
Local clock offset: 6.545 ms
Remote clock offset: -2.408 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 66.731 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 66.731 ms
Loss rate: 0.31%
```

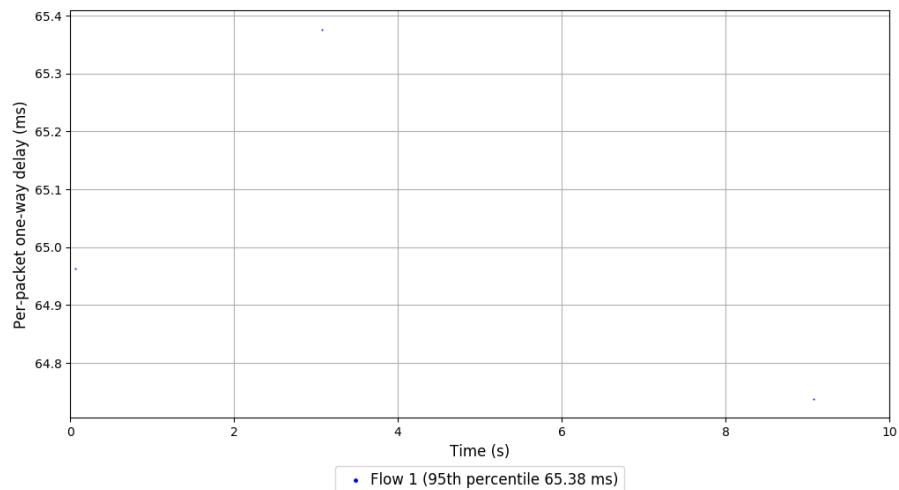
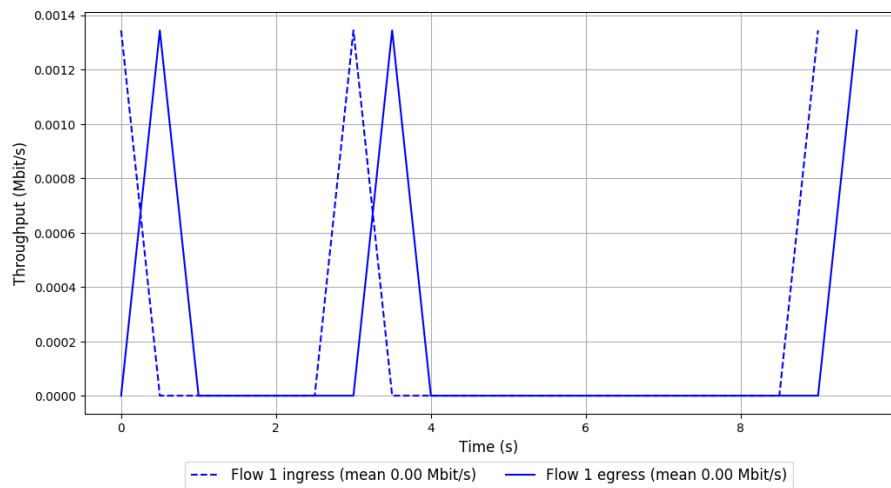
Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-05 06:59:58
End at: 2018-06-05 07:00:28
Local clock offset: 5.701 ms
Remote clock offset: -2.29 ms

Run 8: Report of LEDBAT — Data Link

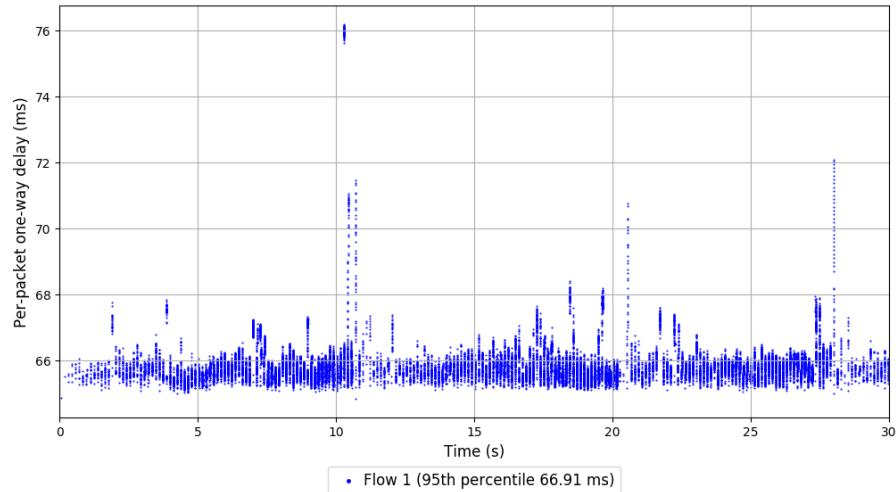
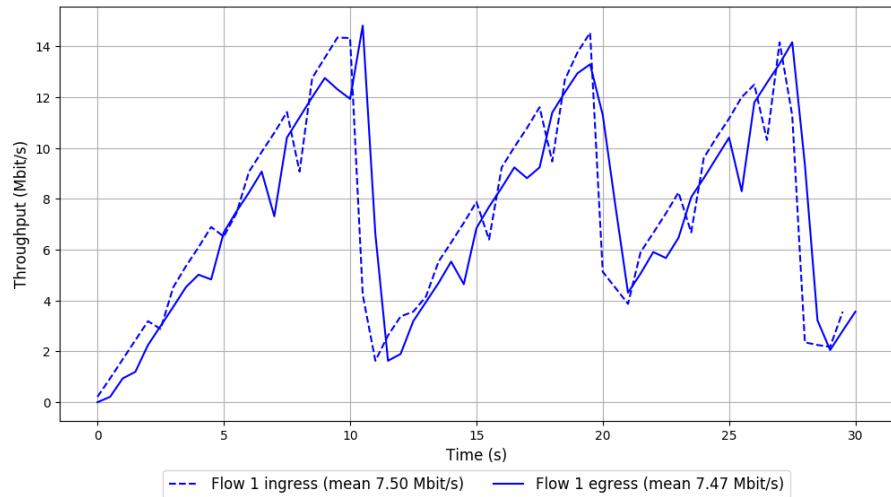


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-05 07:21:10
End at: 2018-06-05 07:21:40
Local clock offset: 7.114 ms
Remote clock offset: -3.342 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 66.905 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 66.905 ms
Loss rate: 0.33%
```

Run 9: Report of LEDBAT — Data Link

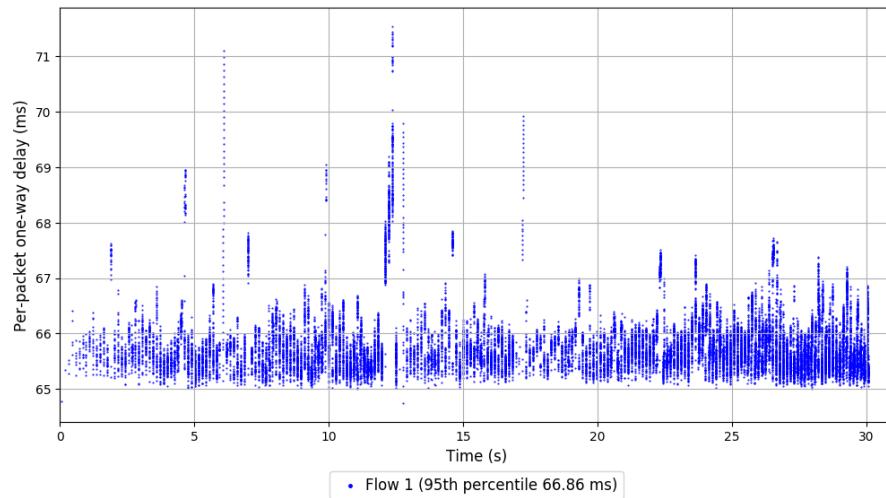
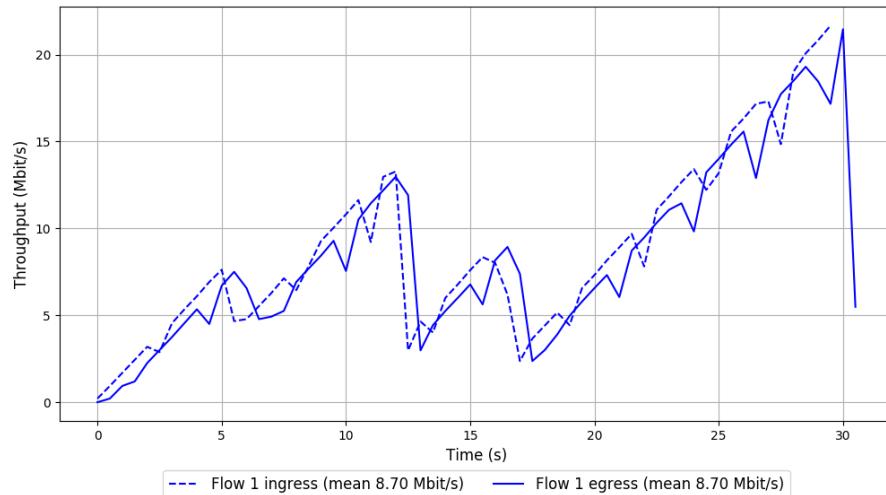


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-05 07:42:02
End at: 2018-06-05 07:42:33
Local clock offset: 7.836 ms
Remote clock offset: -3.661 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 66.861 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 66.861 ms
Loss rate: 0.08%
```

Run 10: Report of LEDBAT — Data Link

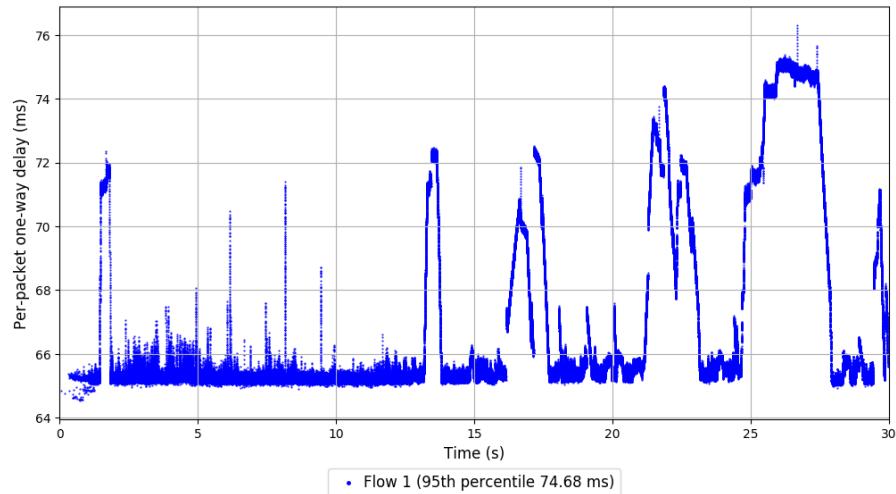
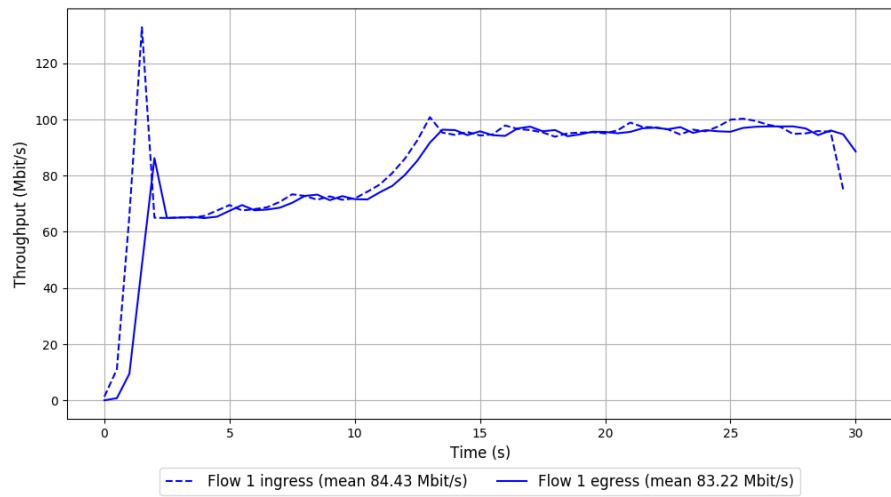


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-05 04:33:55
End at: 2018-06-05 04:34:25
Local clock offset: 7.059 ms
Remote clock offset: -3.904 ms

# Below is generated by plot.py at 2018-06-05 07:57:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.22 Mbit/s
95th percentile per-packet one-way delay: 74.682 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 83.22 Mbit/s
95th percentile per-packet one-way delay: 74.682 ms
Loss rate: 1.43%
```

Run 1: Report of PCC-Allegro — Data Link

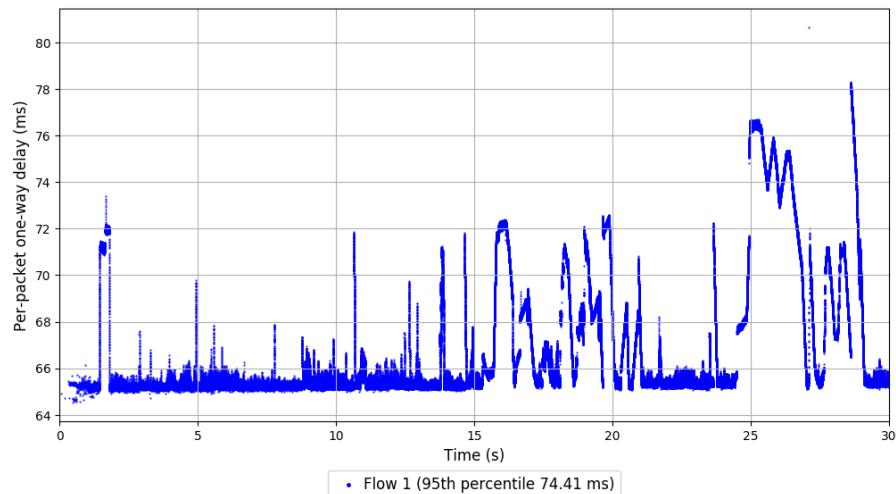
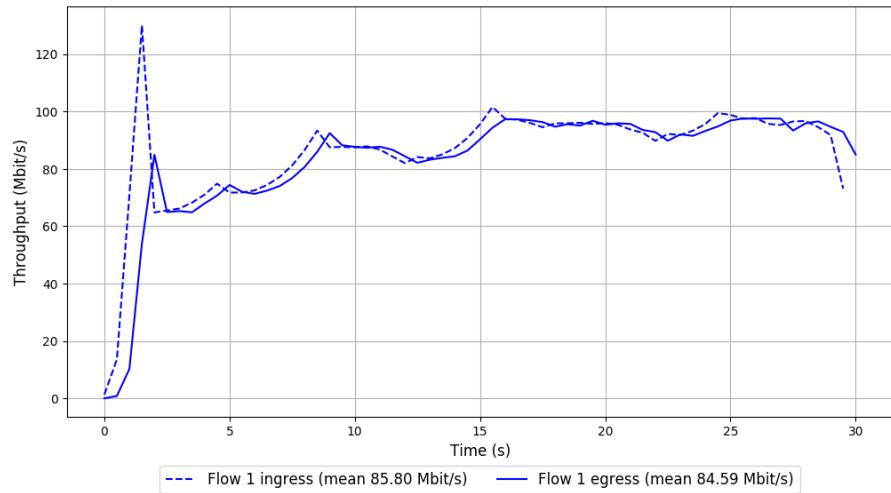


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-05 04:54:48
End at: 2018-06-05 04:55:18
Local clock offset: 5.6 ms
Remote clock offset: -4.341 ms

# Below is generated by plot.py at 2018-06-05 07:57:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 74.414 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 74.414 ms
Loss rate: 1.42%
```

Run 2: Report of PCC-Allegro — Data Link

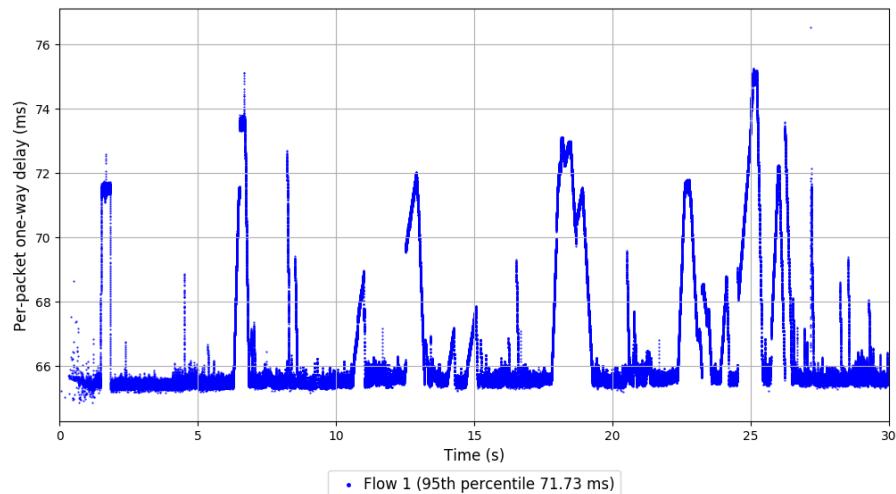
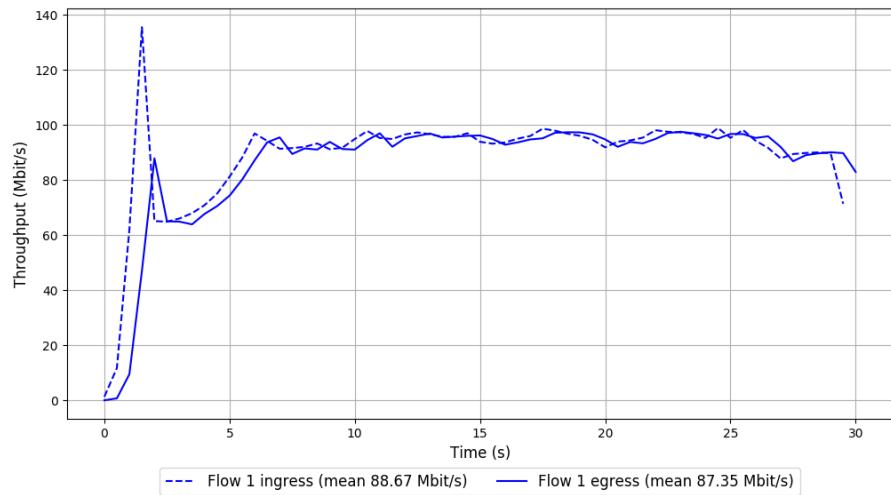


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-05 05:15:56
End at: 2018-06-05 05:16:26
Local clock offset: 6.223 ms
Remote clock offset: -6.226 ms

# Below is generated by plot.py at 2018-06-05 07:58:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 71.728 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 71.728 ms
Loss rate: 1.49%
```

Run 3: Report of PCC-Allegro — Data Link

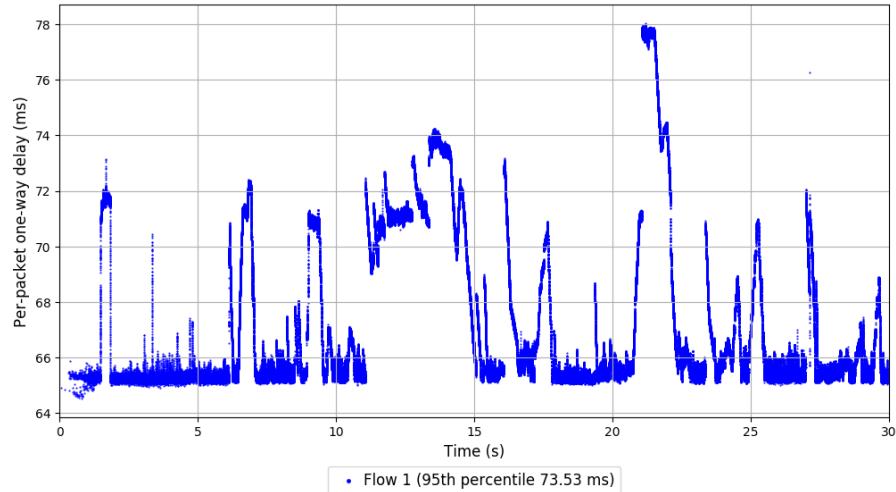
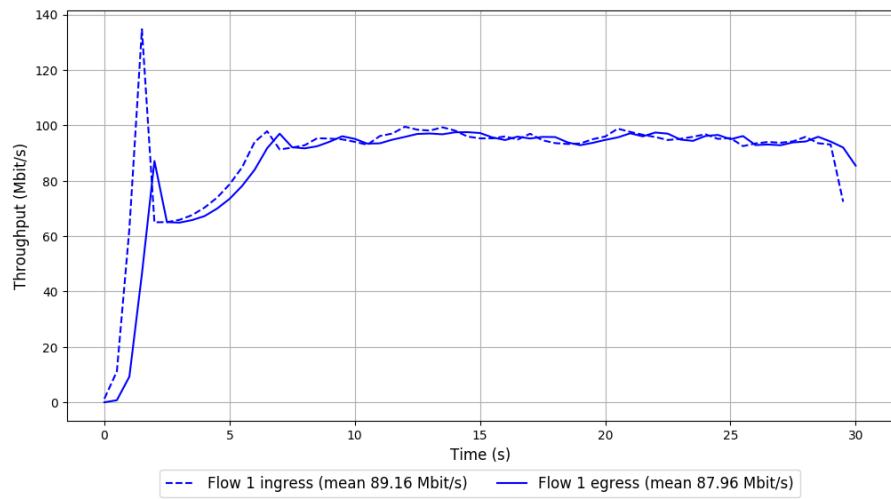


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-05 05:36:49
End at: 2018-06-05 05:37:19
Local clock offset: 7.346 ms
Remote clock offset: -4.323 ms

# Below is generated by plot.py at 2018-06-05 07:58:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 73.529 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 73.529 ms
Loss rate: 1.34%
```

Run 4: Report of PCC-Allegro — Data Link

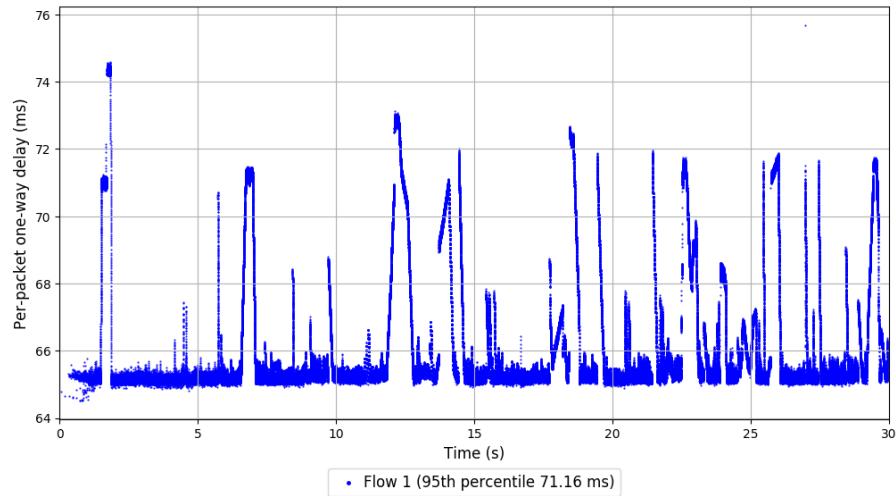
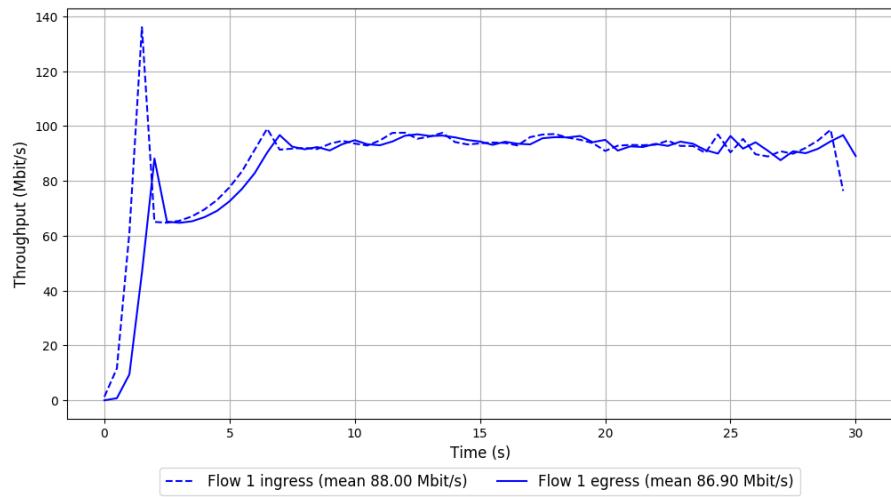


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-05 05:57:47
End at: 2018-06-05 05:58:17
Local clock offset: 7.456 ms
Remote clock offset: -2.861 ms

# Below is generated by plot.py at 2018-06-05 07:58:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 71.155 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 71.155 ms
Loss rate: 1.24%
```

Run 5: Report of PCC-Allegro — Data Link

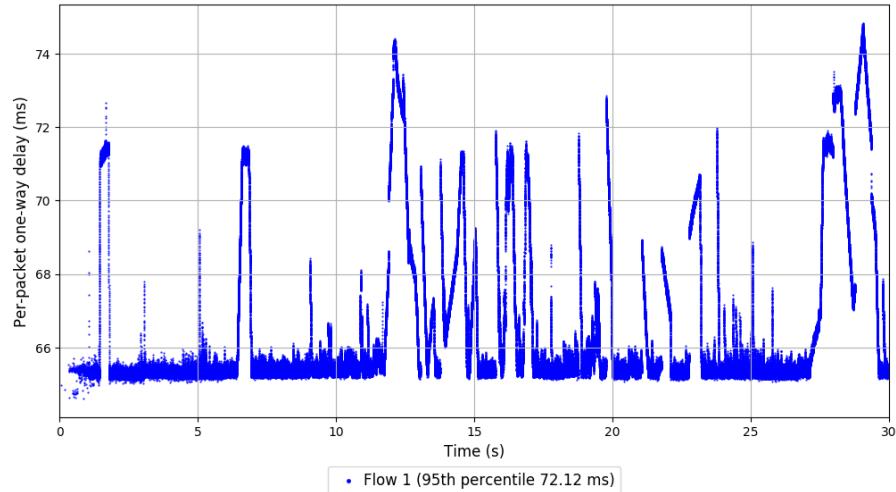
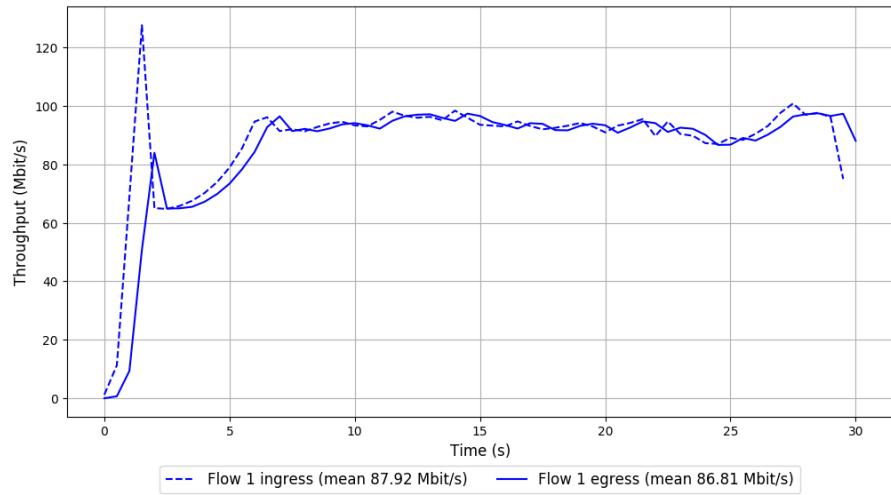


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-05 06:18:39
End at: 2018-06-05 06:19:09
Local clock offset: 6.946 ms
Remote clock offset: -2.817 ms

# Below is generated by plot.py at 2018-06-05 07:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 72.121 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 72.121 ms
Loss rate: 1.26%
```

Run 6: Report of PCC-Allegro — Data Link

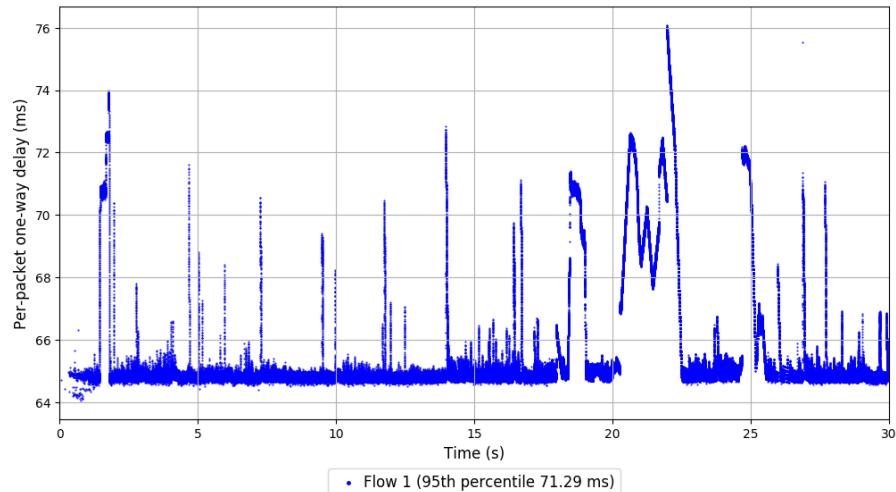
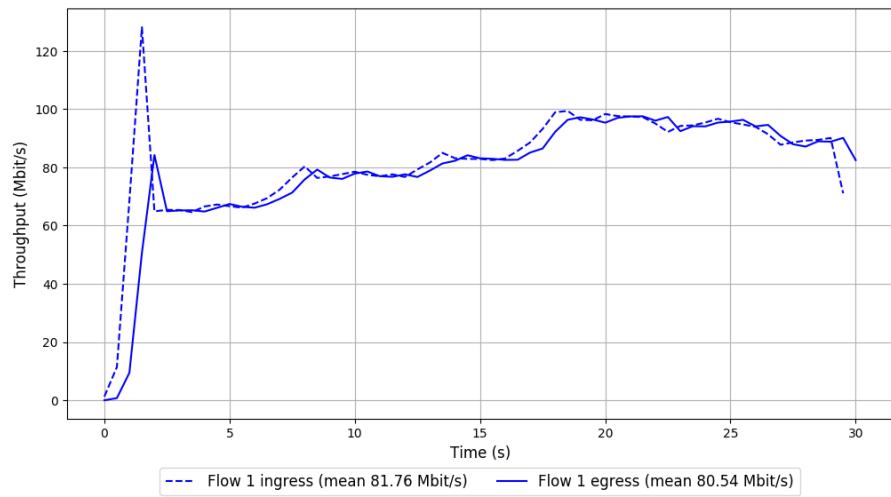


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-05 06:39:30
End at: 2018-06-05 06:40:01
Local clock offset: 6.546 ms
Remote clock offset: -2.917 ms

# Below is generated by plot.py at 2018-06-05 07:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.54 Mbit/s
95th percentile per-packet one-way delay: 71.294 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 80.54 Mbit/s
95th percentile per-packet one-way delay: 71.294 ms
Loss rate: 1.49%
```

Run 7: Report of PCC-Allegro — Data Link

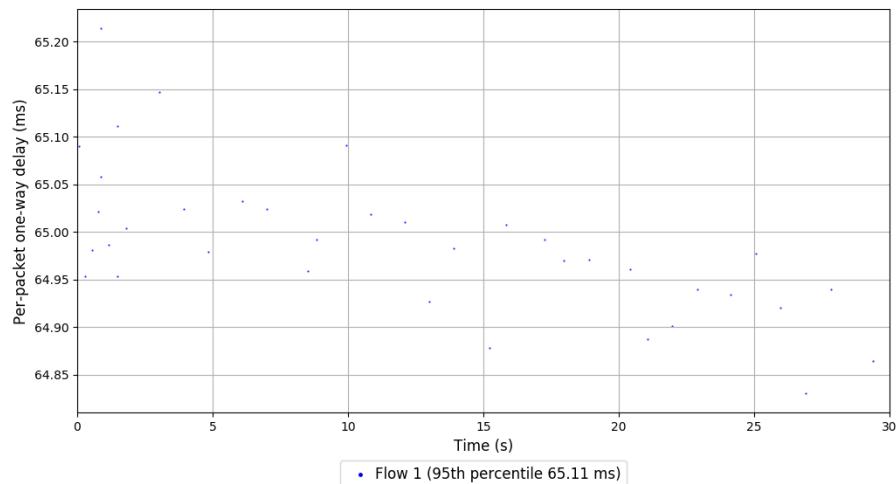
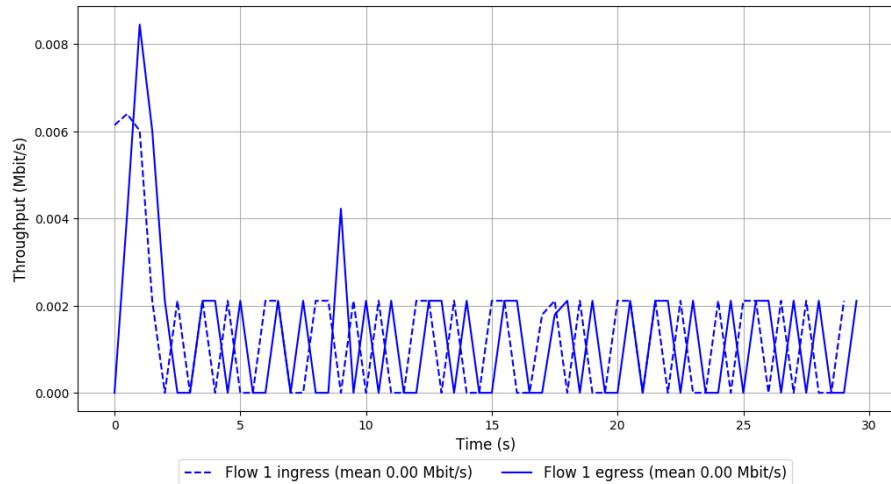


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-05 07:01:18
End at: 2018-06-05 07:01:48
Local clock offset: 5.678 ms
Remote clock offset: -2.103 ms

# Below is generated by plot.py at 2018-06-05 07:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 65.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 65.111 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Allegro — Data Link

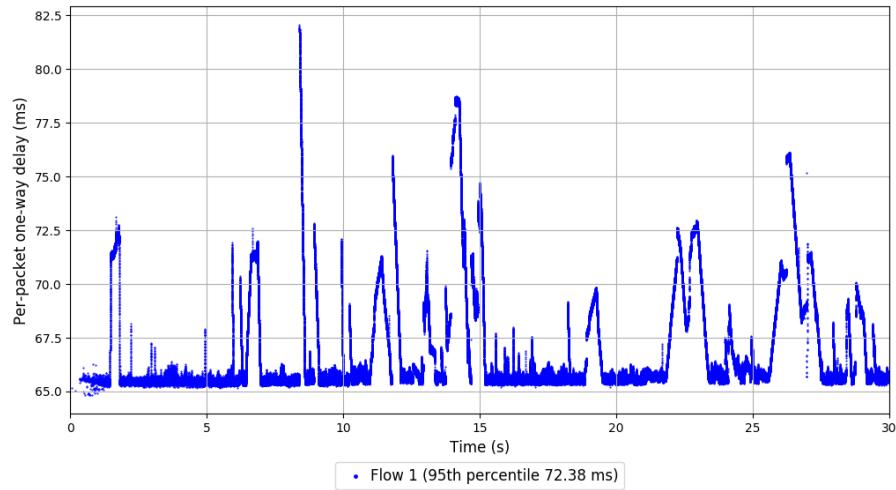
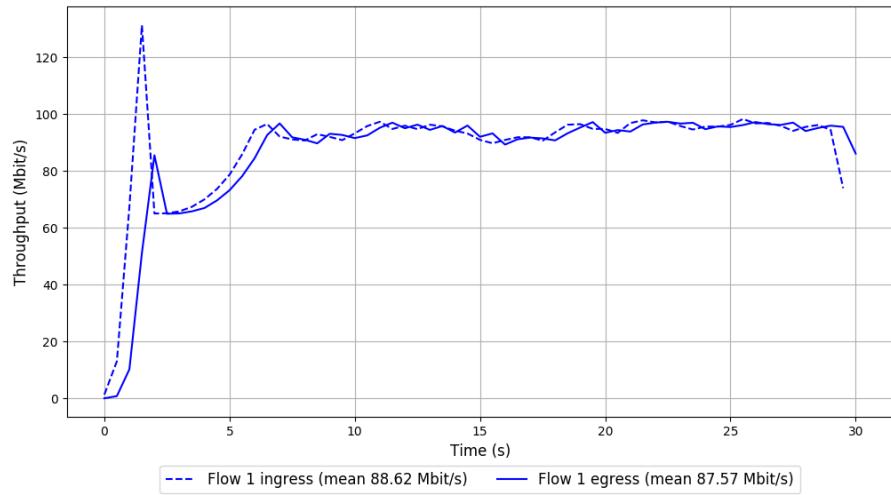


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-05 07:22:26
End at: 2018-06-05 07:22:56
Local clock offset: 7.202 ms
Remote clock offset: -3.422 ms

# Below is generated by plot.py at 2018-06-05 07:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 72.383 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 72.383 ms
Loss rate: 1.18%
```

Run 9: Report of PCC-Allegro — Data Link

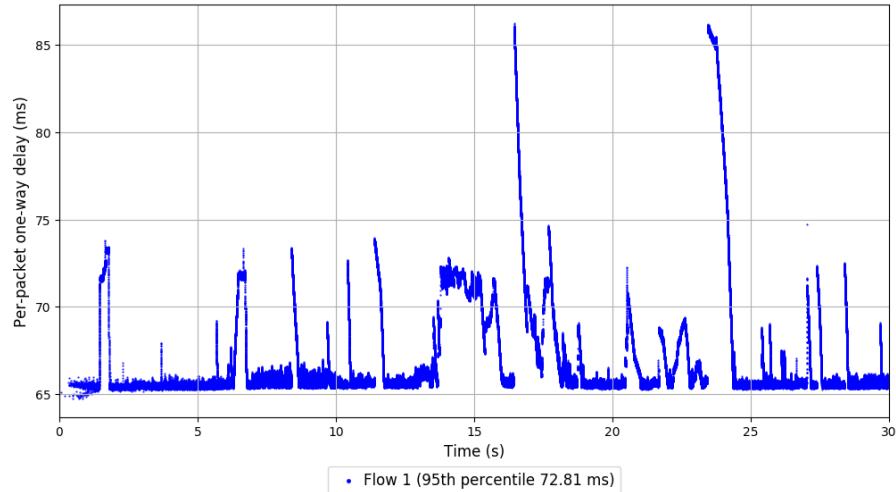
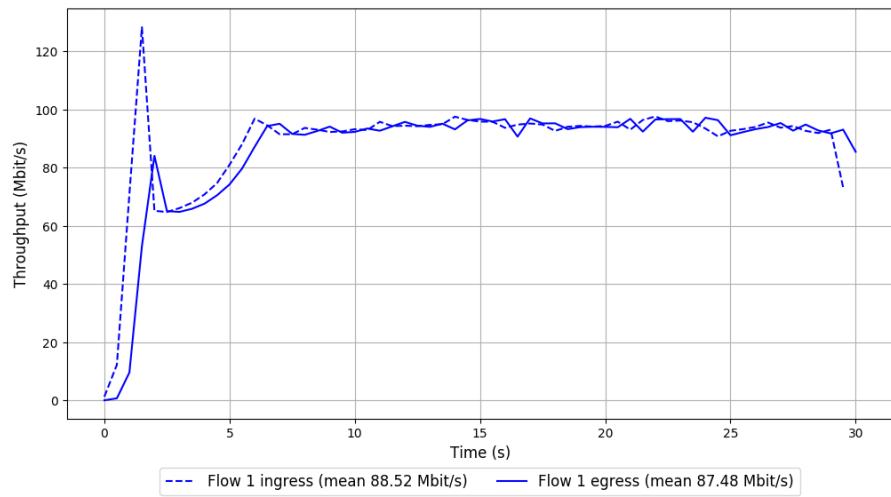


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-05 07:43:19
End at: 2018-06-05 07:43:49
Local clock offset: 7.747 ms
Remote clock offset: -3.712 ms

# Below is generated by plot.py at 2018-06-05 07:58:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 72.807 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 72.807 ms
Loss rate: 1.16%
```

Run 10: Report of PCC-Allegro — Data Link

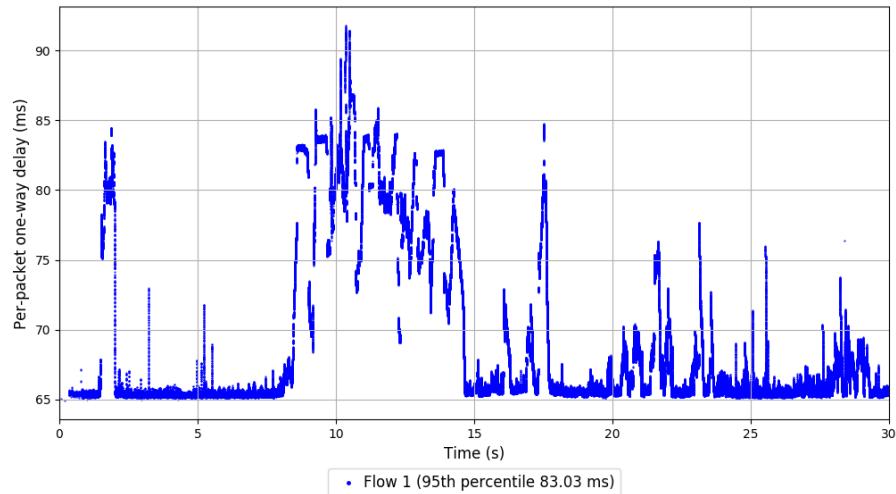
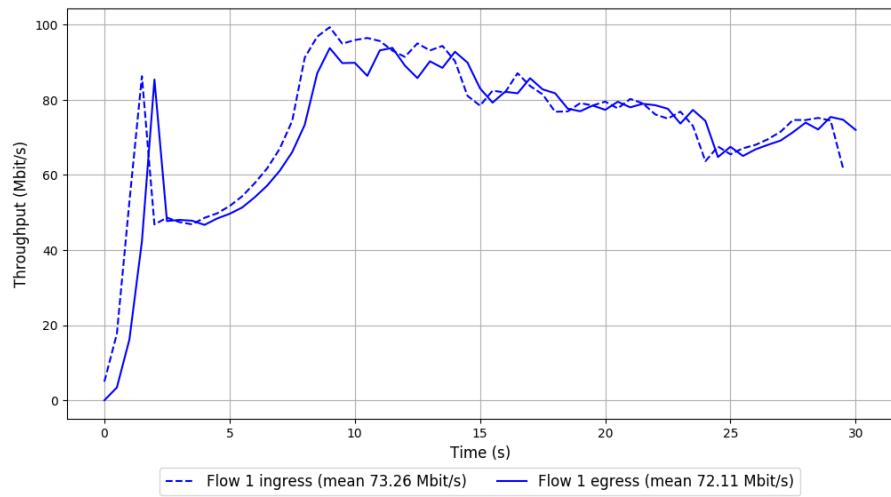


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-05 04:37:51
End at: 2018-06-05 04:38:21
Local clock offset: 7.116 ms
Remote clock offset: -3.761 ms

# Below is generated by plot.py at 2018-06-05 07:59:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.11 Mbit/s
95th percentile per-packet one-way delay: 83.028 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 72.11 Mbit/s
95th percentile per-packet one-way delay: 83.028 ms
Loss rate: 1.56%
```

Run 1: Report of PCC-Expr — Data Link

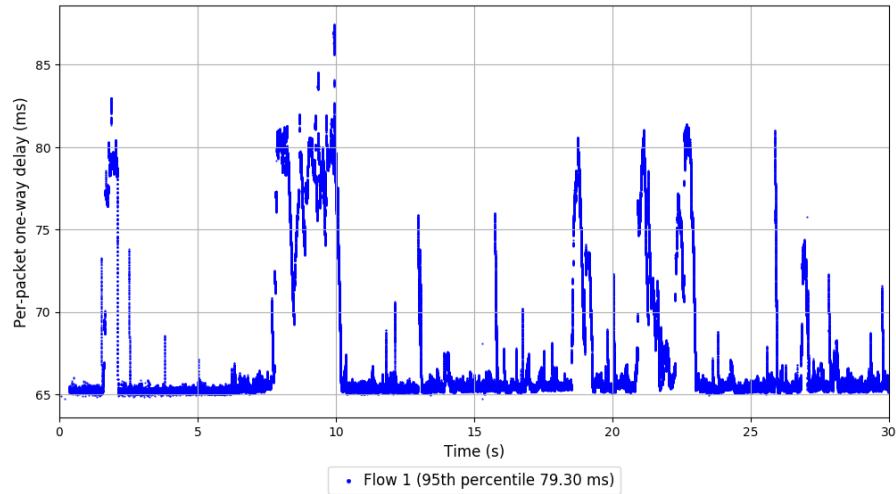
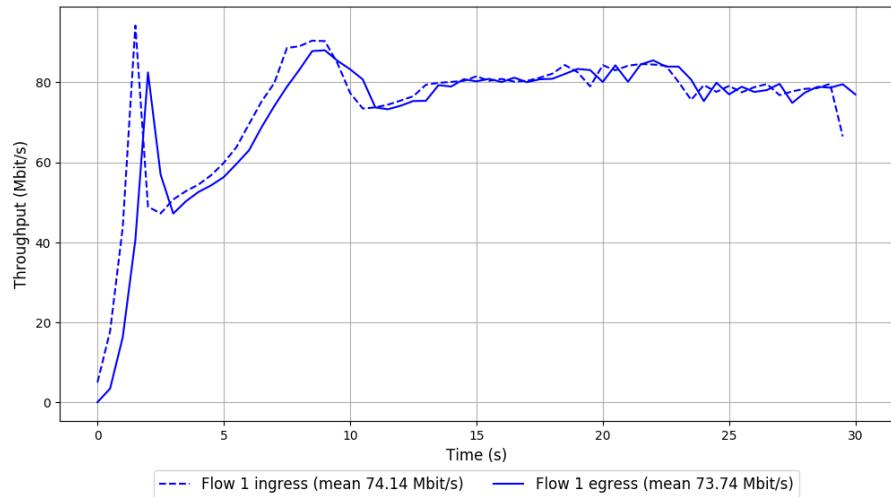


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-05 04:58:45
End at: 2018-06-05 04:59:15
Local clock offset: 5.568 ms
Remote clock offset: -4.956 ms

# Below is generated by plot.py at 2018-06-05 07:59:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 79.302 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 79.302 ms
Loss rate: 0.53%
```

Run 2: Report of PCC-Expr — Data Link

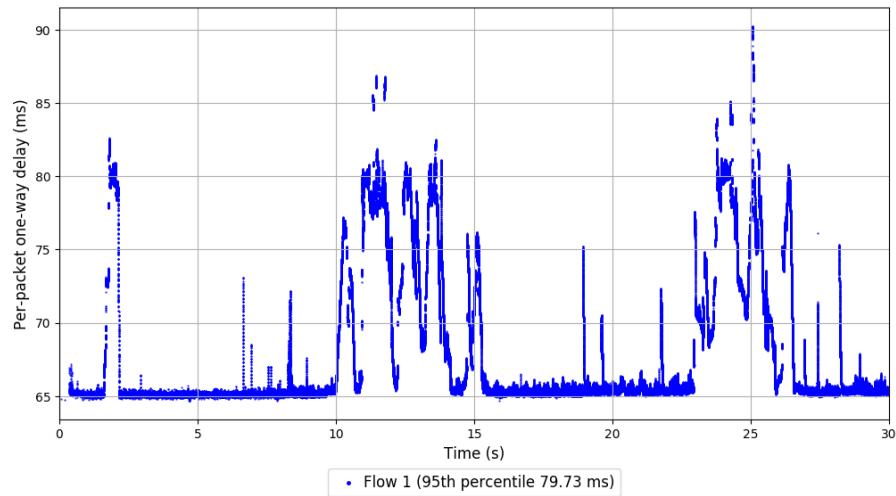
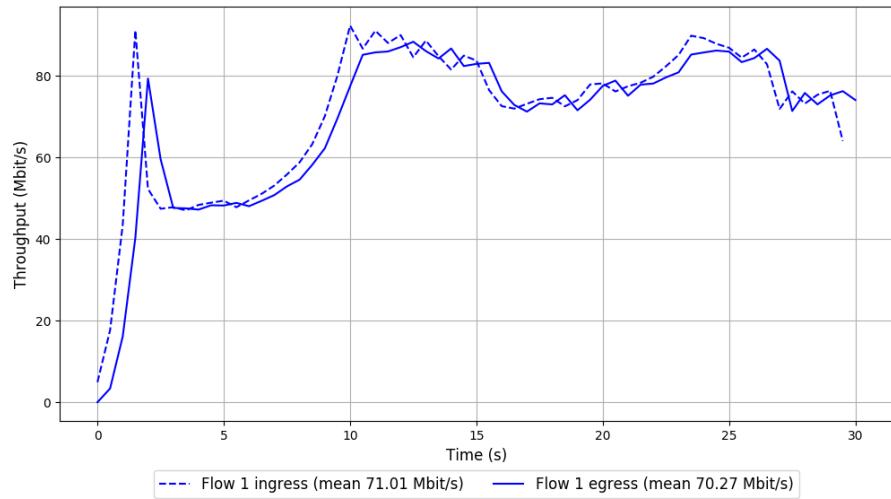


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-05 05:19:54
End at: 2018-06-05 05:20:24
Local clock offset: 6.763 ms
Remote clock offset: -6.281 ms

# Below is generated by plot.py at 2018-06-05 07:59:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 79.728 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 79.728 ms
Loss rate: 1.04%
```

Run 3: Report of PCC-Expr — Data Link

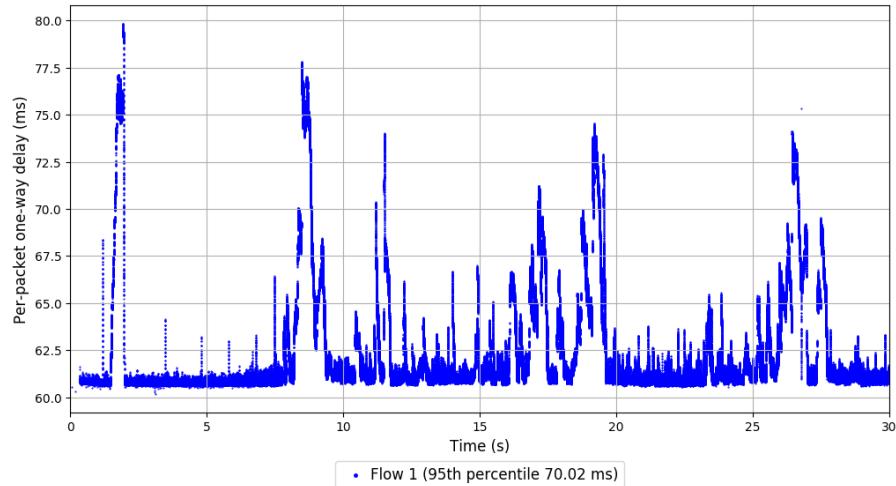
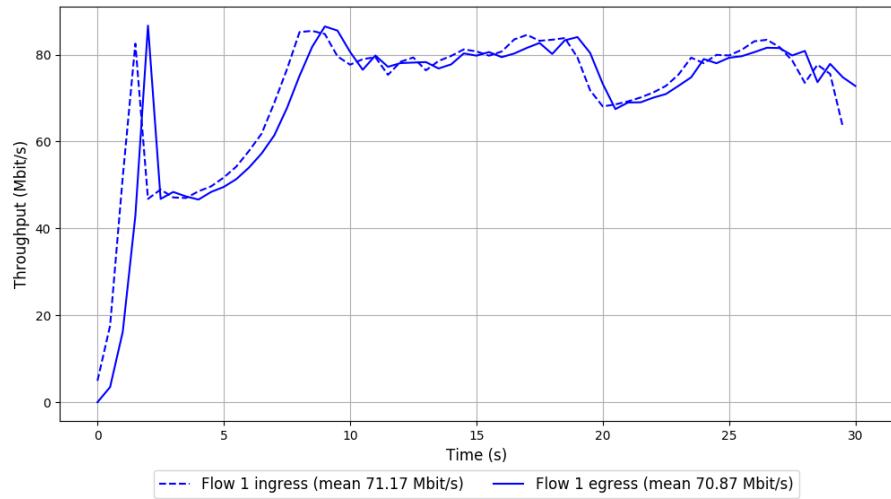


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-05 05:40:45
End at: 2018-06-05 05:41:15
Local clock offset: 7.274 ms
Remote clock offset: -8.338 ms

# Below is generated by plot.py at 2018-06-05 07:59:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.87 Mbit/s
95th percentile per-packet one-way delay: 70.019 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 70.87 Mbit/s
95th percentile per-packet one-way delay: 70.019 ms
Loss rate: 0.42%
```

Run 4: Report of PCC-Expr — Data Link

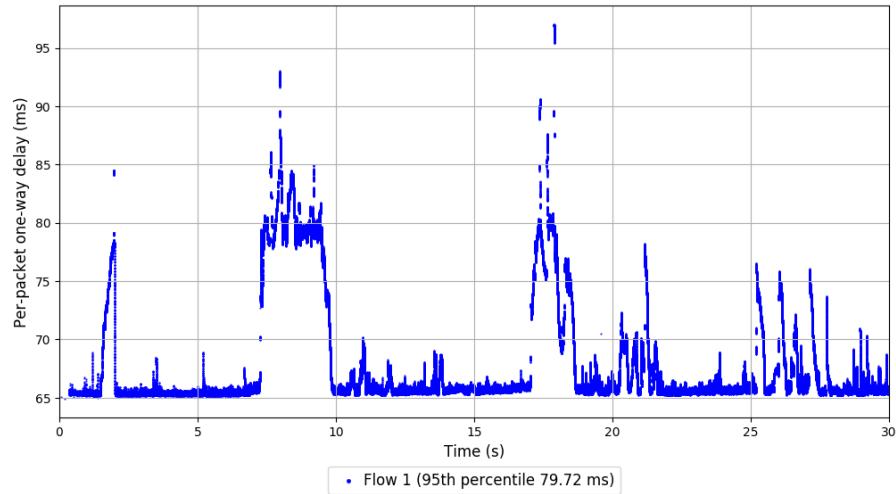
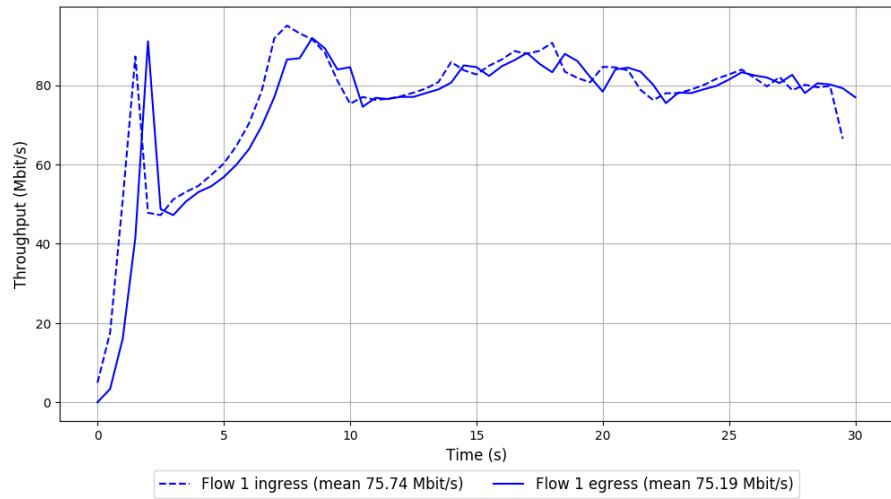


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-05 06:01:43
End at: 2018-06-05 06:02:13
Local clock offset: 7.591 ms
Remote clock offset: -2.919 ms

# Below is generated by plot.py at 2018-06-05 07:59:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 79.716 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 79.716 ms
Loss rate: 0.72%
```

Run 5: Report of PCC-Expr — Data Link

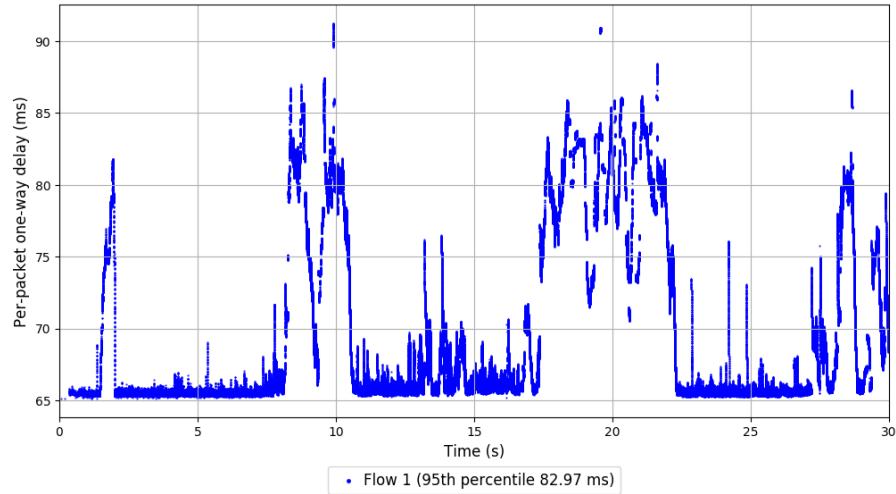
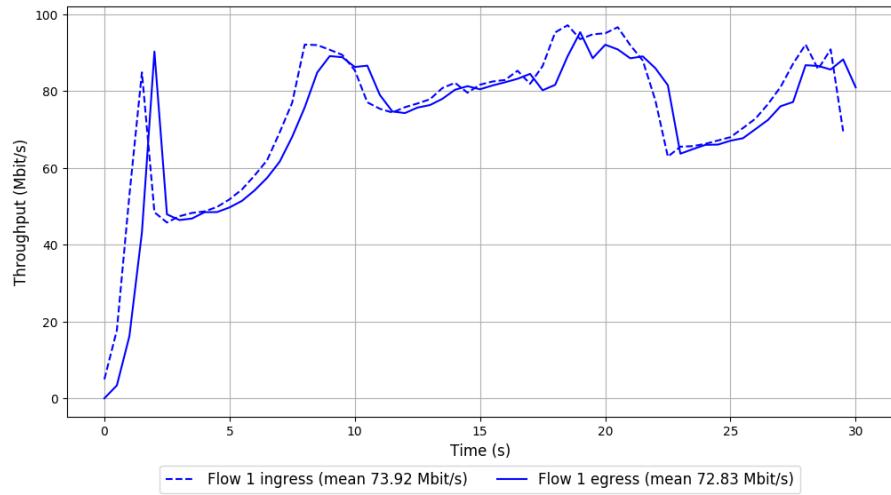


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-05 06:22:35
End at: 2018-06-05 06:23:05
Local clock offset: 6.682 ms
Remote clock offset: -2.765 ms

# Below is generated by plot.py at 2018-06-05 07:59:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 82.969 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 82.969 ms
Loss rate: 1.46%
```

Run 6: Report of PCC-Expr — Data Link

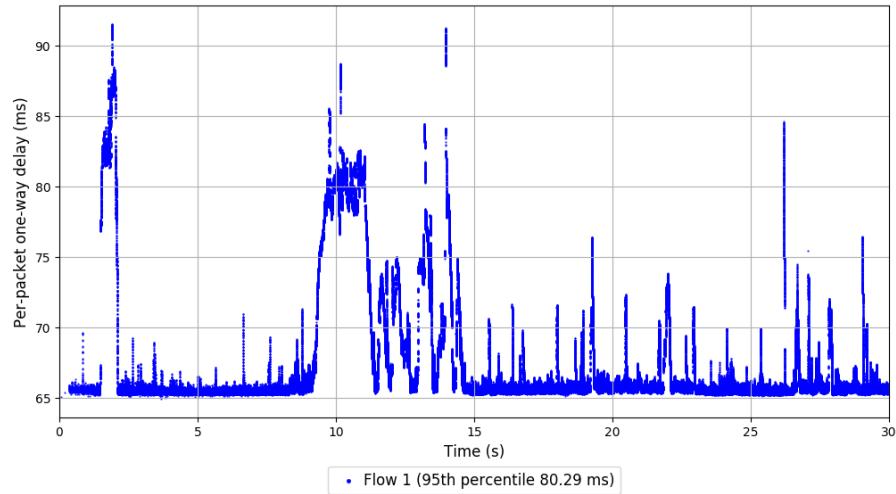
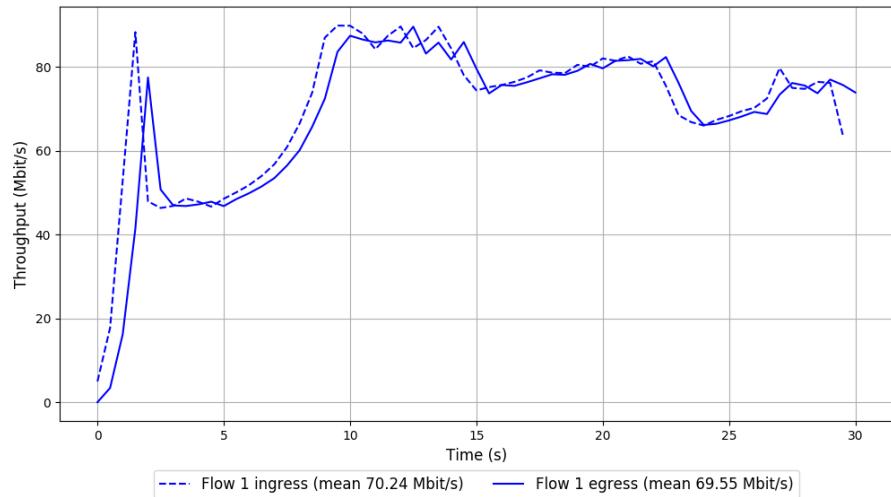


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-05 06:43:26
End at: 2018-06-05 06:43:56
Local clock offset: 6.296 ms
Remote clock offset: -2.449 ms

# Below is generated by plot.py at 2018-06-05 08:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 80.289 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 80.289 ms
Loss rate: 0.98%
```

Run 7: Report of PCC-Expr — Data Link

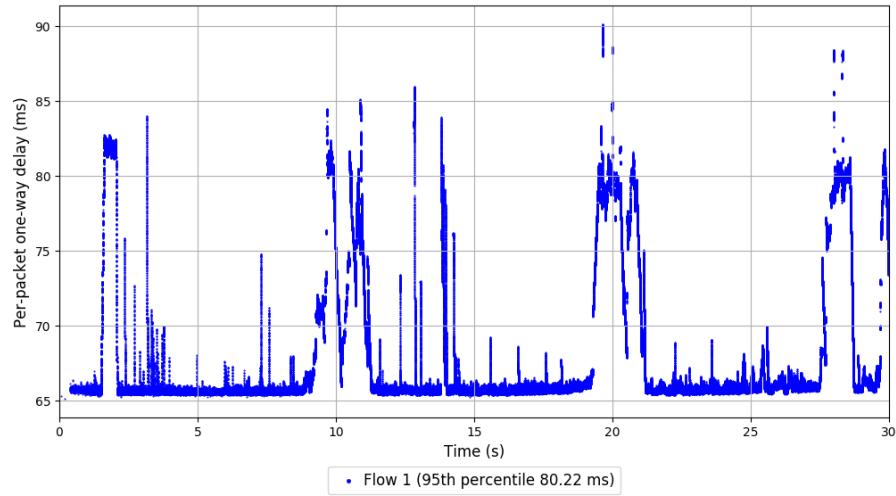
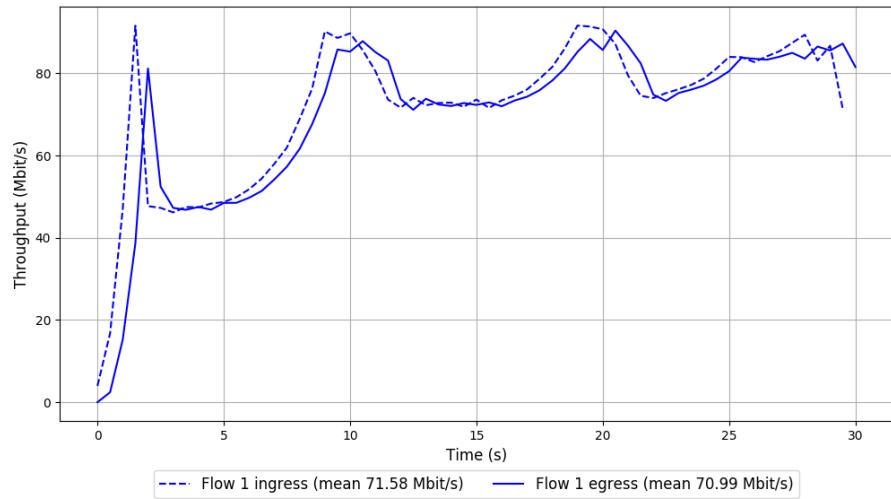


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-05 07:05:25
End at: 2018-06-05 07:05:55
Local clock offset: 5.477 ms
Remote clock offset: -2.036 ms

# Below is generated by plot.py at 2018-06-05 08:00:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 80.225 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 80.225 ms
Loss rate: 0.80%
```

Run 8: Report of PCC-Expr — Data Link

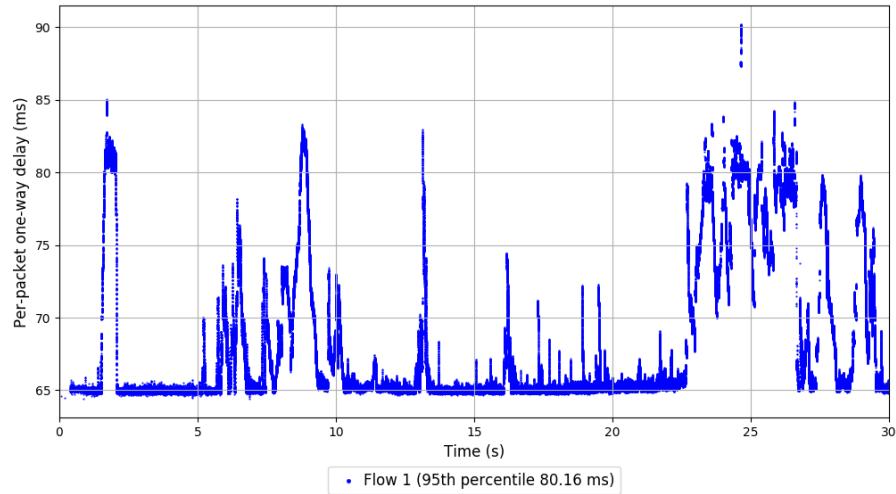
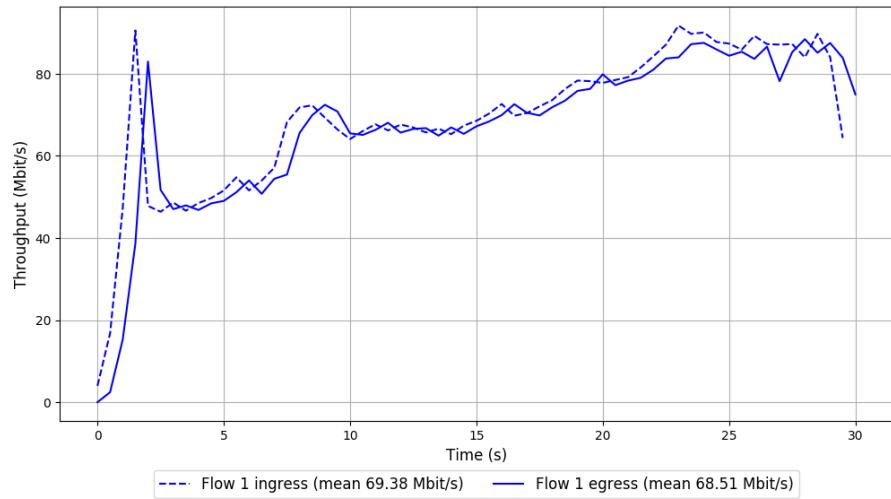


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-05 07:26:23
End at: 2018-06-05 07:26:53
Local clock offset: 7.565 ms
Remote clock offset: -3.631 ms

# Below is generated by plot.py at 2018-06-05 08:01:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 80.157 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 80.157 ms
Loss rate: 1.25%
```

Run 9: Report of PCC-Expr — Data Link

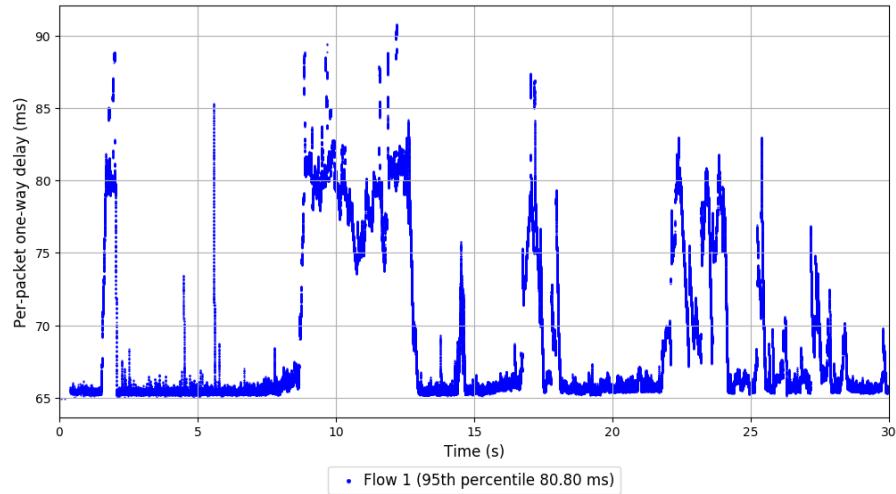
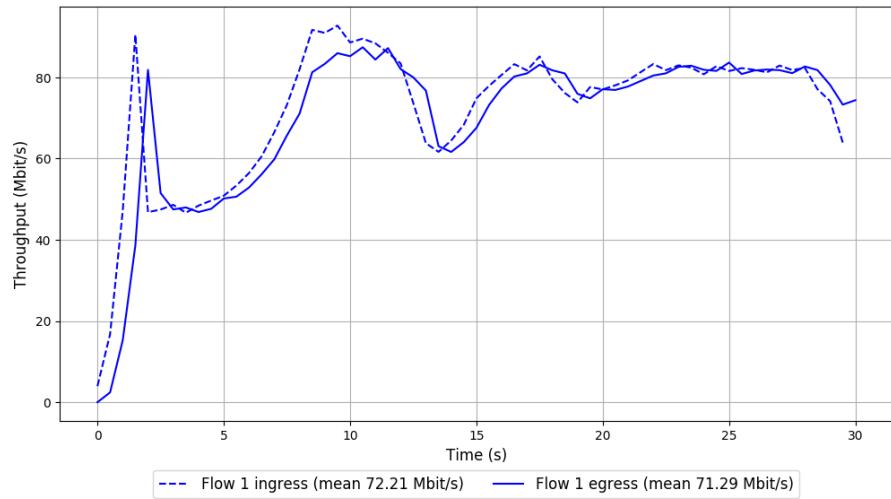


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-05 07:47:15
End at: 2018-06-05 07:47:45
Local clock offset: 7.761 ms
Remote clock offset: -3.763 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 80.795 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 80.795 ms
Loss rate: 1.27%
```

Run 10: Report of PCC-Expr — Data Link

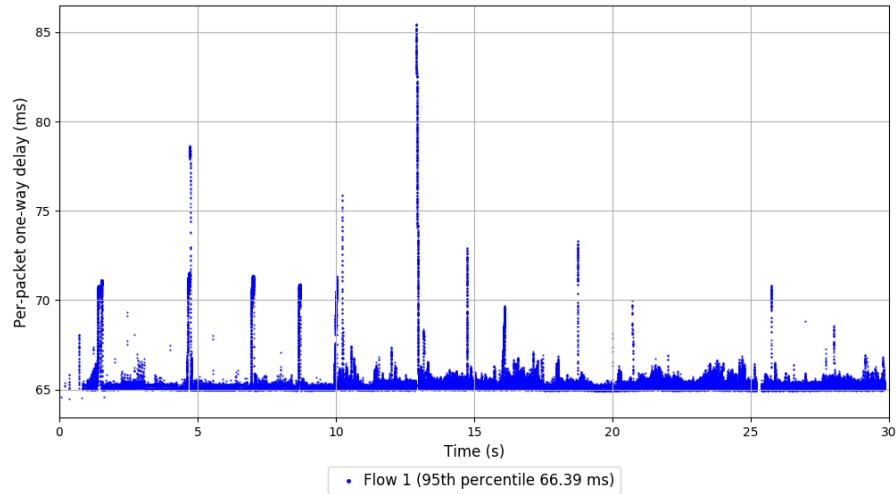
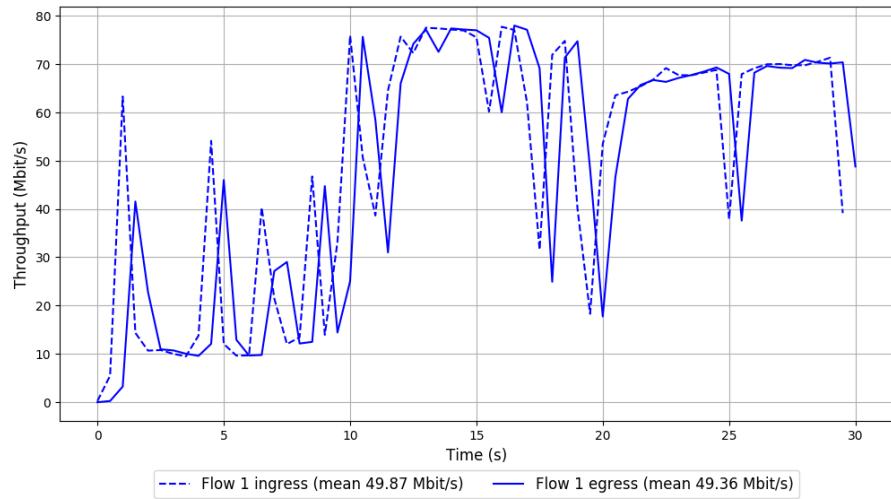


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-06-05 04:31:20
End at: 2018-06-05 04:31:50
Local clock offset: 7.058 ms
Remote clock offset: -4.126 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 66.388 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 66.388 ms
Loss rate: 1.03%
```

Run 1: Report of QUIC Cubic — Data Link

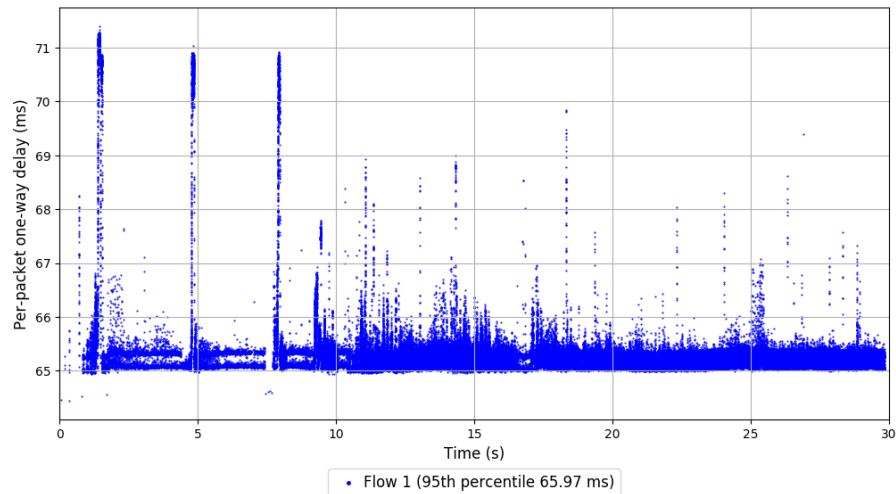
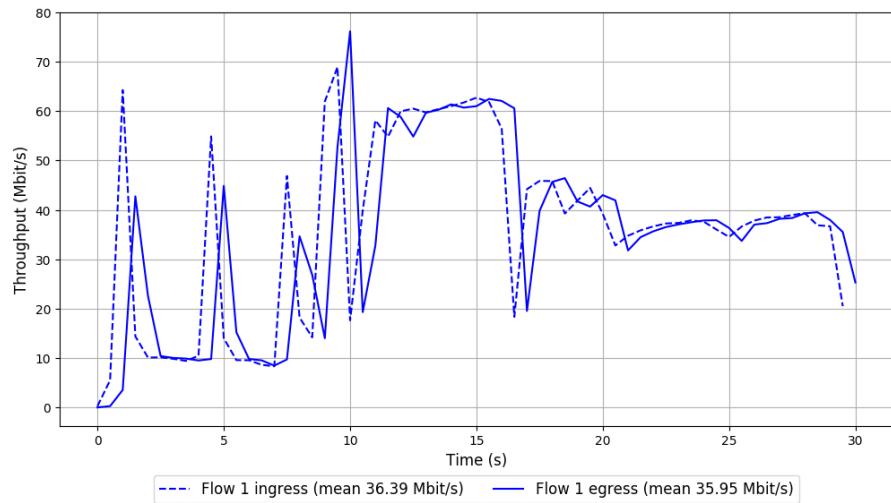


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-05 04:52:14
End at: 2018-06-05 04:52:44
Local clock offset: 5.881 ms
Remote clock offset: -3.699 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 65.973 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 65.973 ms
Loss rate: 1.23%
```

Run 2: Report of QUIC Cubic — Data Link

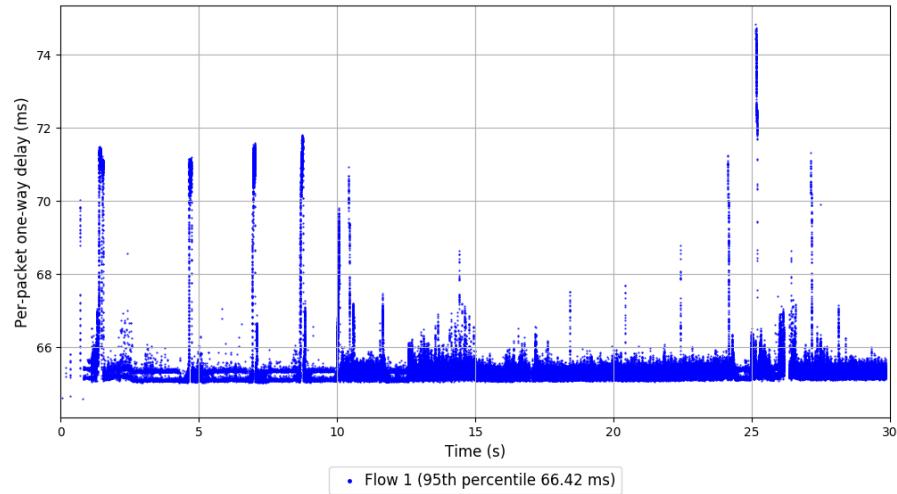
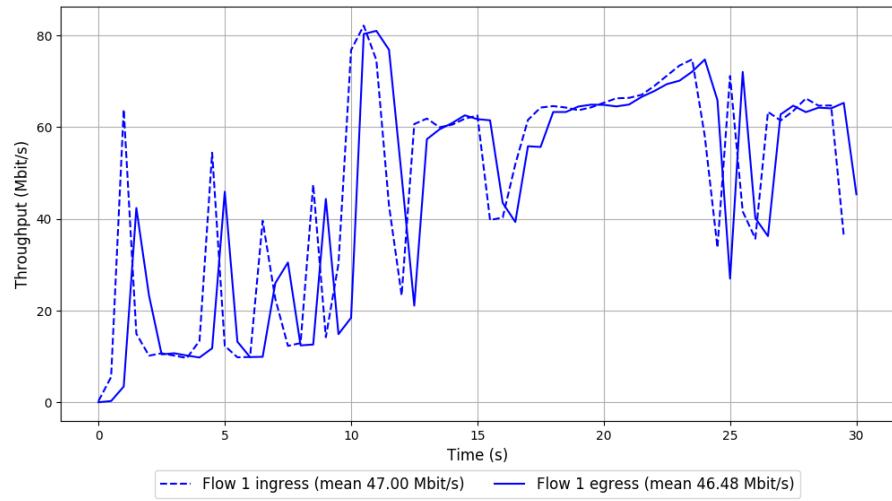


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-05 05:13:22
End at: 2018-06-05 05:13:52
Local clock offset: 5.86 ms
Remote clock offset: -6.103 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 66.417 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 66.417 ms
Loss rate: 1.11%
```

Run 3: Report of QUIC Cubic — Data Link

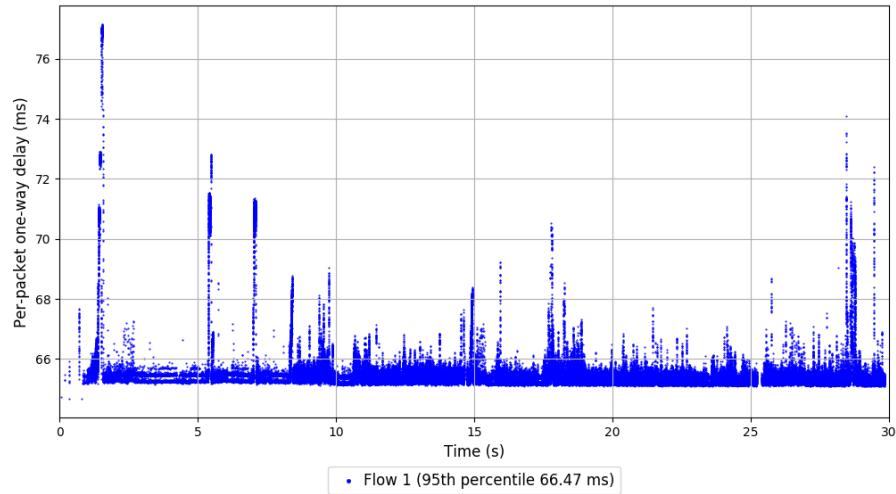
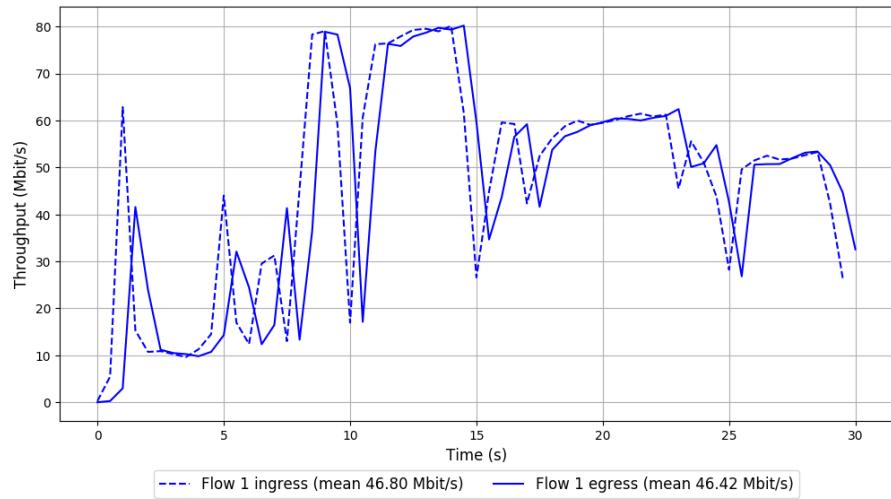


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-05 05:34:15
End at: 2018-06-05 05:34:45
Local clock offset: 7.283 ms
Remote clock offset: -4.531 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.42 Mbit/s
95th percentile per-packet one-way delay: 66.466 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 46.42 Mbit/s
95th percentile per-packet one-way delay: 66.466 ms
Loss rate: 0.80%
```

Run 4: Report of QUIC Cubic — Data Link

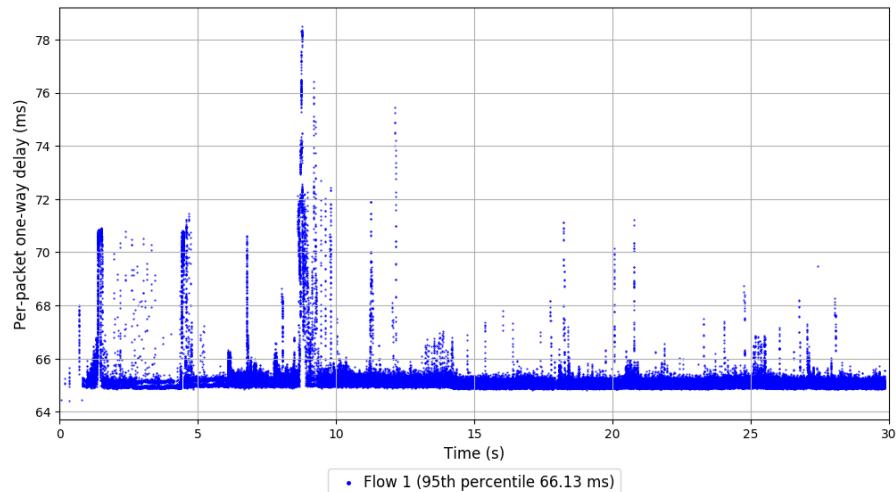
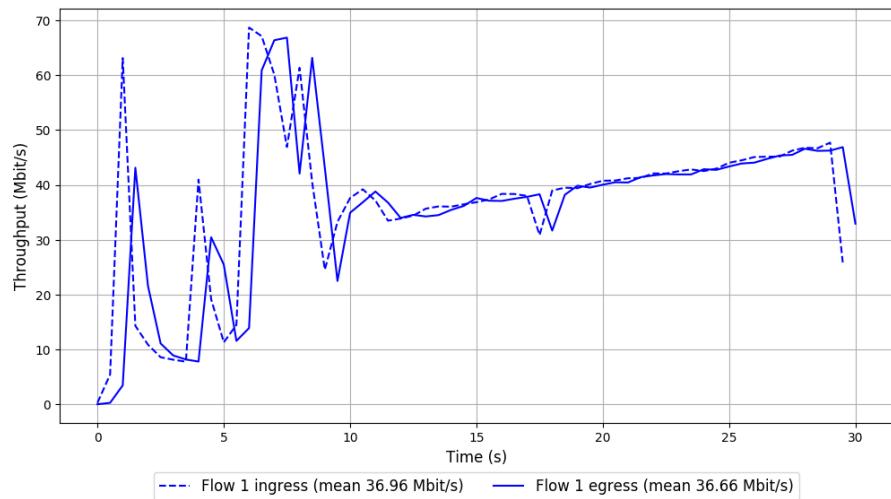


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-05 05:55:12
End at: 2018-06-05 05:55:42
Local clock offset: 7.432 ms
Remote clock offset: -3.121 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 66.127 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 66.127 ms
Loss rate: 0.81%
```

Run 5: Report of QUIC Cubic — Data Link

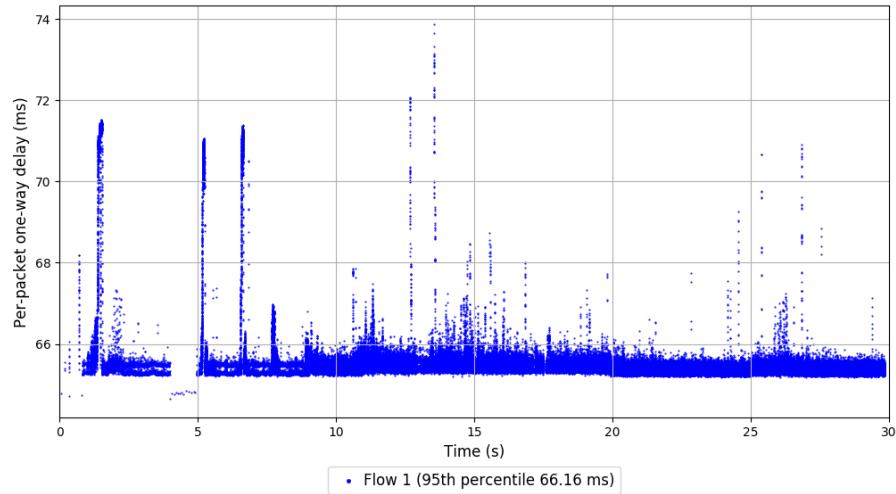
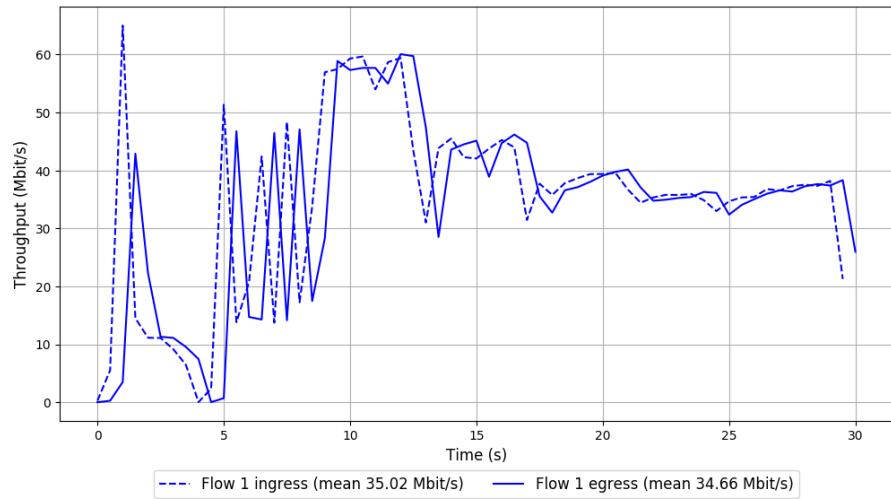


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-05 06:16:05
End at: 2018-06-05 06:16:36
Local clock offset: 6.95 ms
Remote clock offset: -2.898 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 66.155 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 66.155 ms
Loss rate: 1.02%
```

Run 6: Report of QUIC Cubic — Data Link

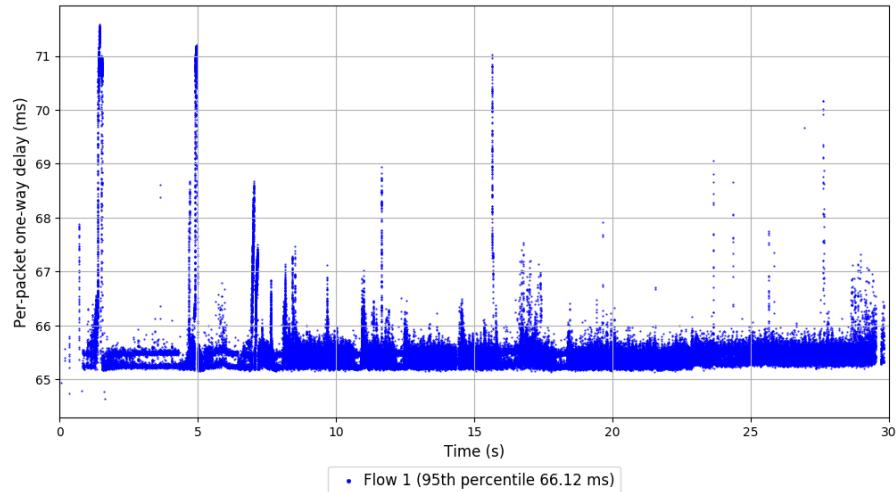
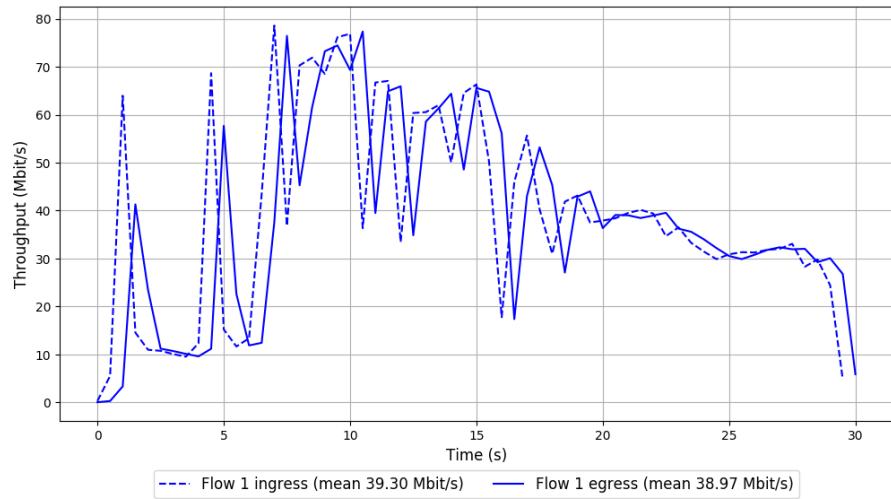


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-05 06:36:57
End at: 2018-06-05 06:37:27
Local clock offset: 6.417 ms
Remote clock offset: -2.473 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 66.121 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 66.121 ms
Loss rate: 0.85%
```

Run 7: Report of QUIC Cubic — Data Link

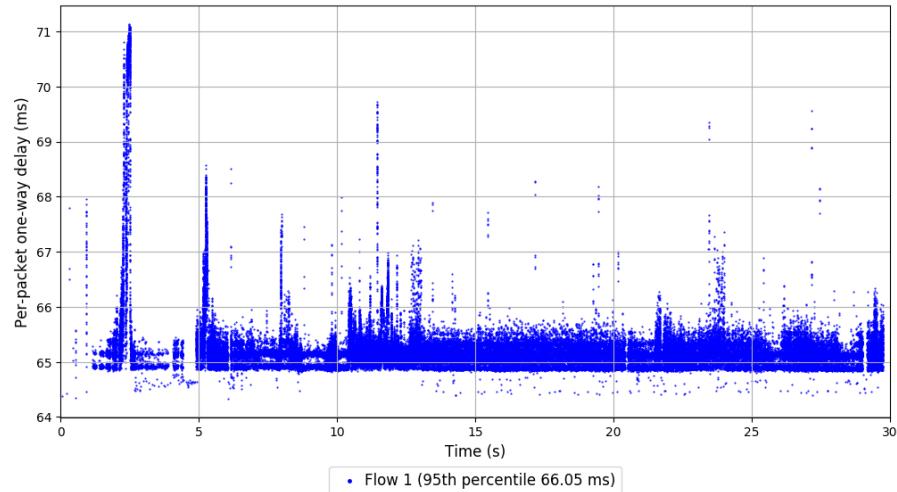
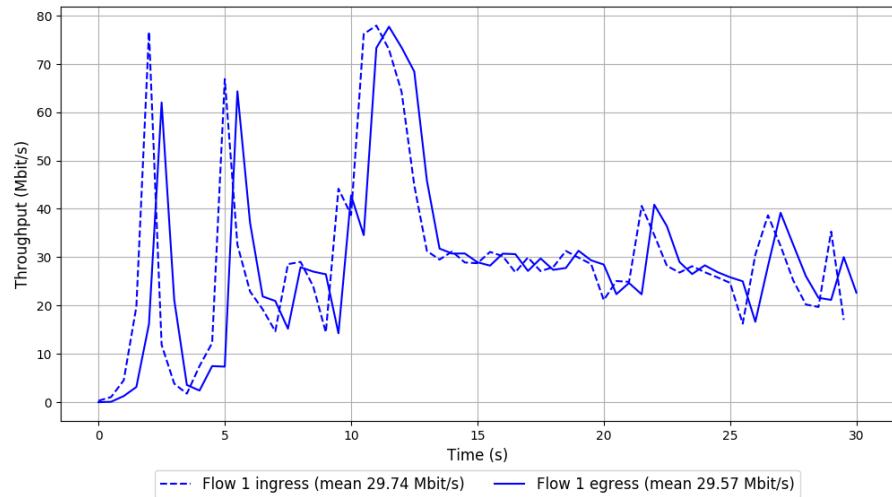


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-05 06:57:49
End at: 2018-06-05 06:58:19
Local clock offset: 5.819 ms
Remote clock offset: -2.31 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 66.046 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 66.046 ms
Loss rate: 0.58%
```

Run 8: Report of QUIC Cubic — Data Link

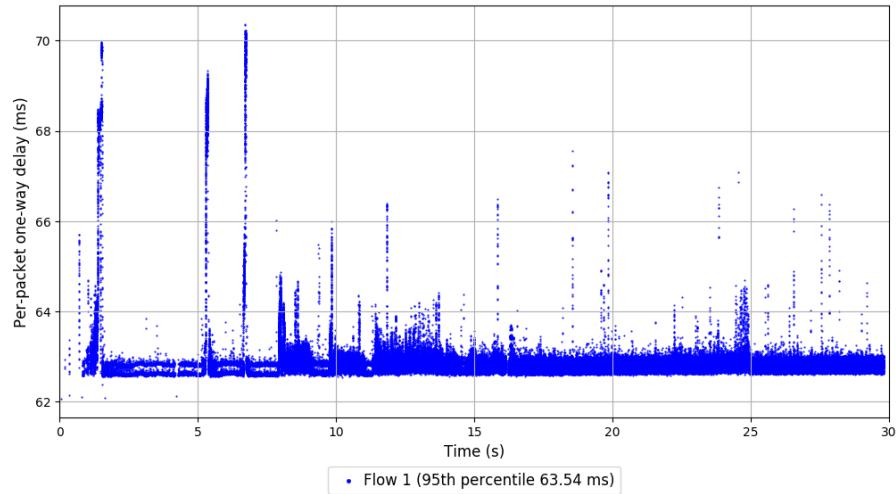
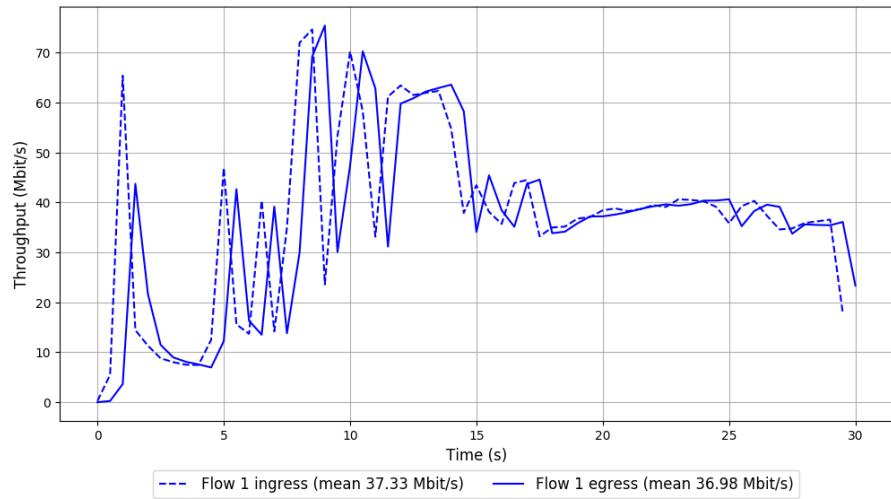


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-05 07:19:53
End at: 2018-06-05 07:20:23
Local clock offset: 7.111 ms
Remote clock offset: -5.943 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 63.537 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 63.537 ms
Loss rate: 0.94%
```

Run 9: Report of QUIC Cubic — Data Link

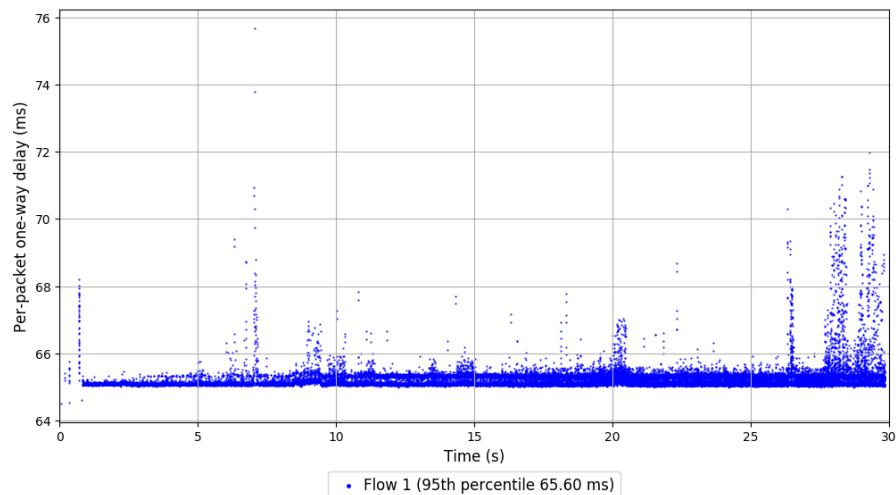
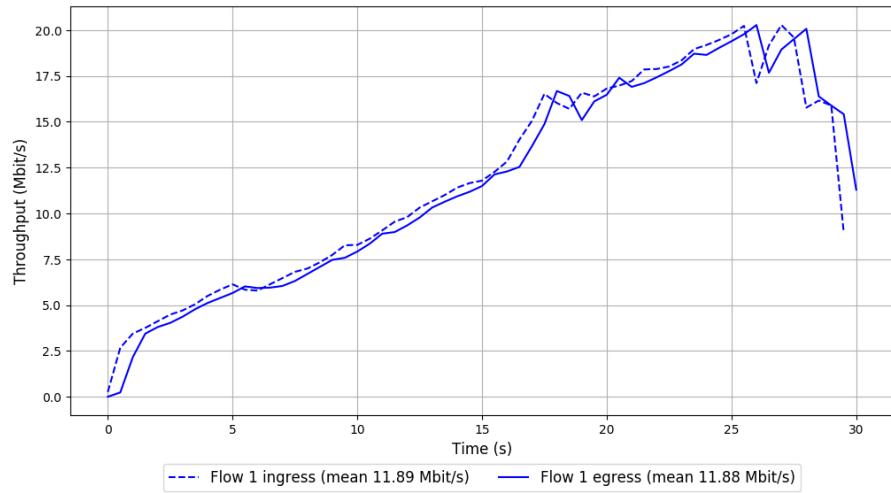


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-05 07:40:46
End at: 2018-06-05 07:41:16
Local clock offset: 7.876 ms
Remote clock offset: -3.715 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 65.597 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 65.597 ms
Loss rate: 0.09%
```

Run 10: Report of QUIC Cubic — Data Link

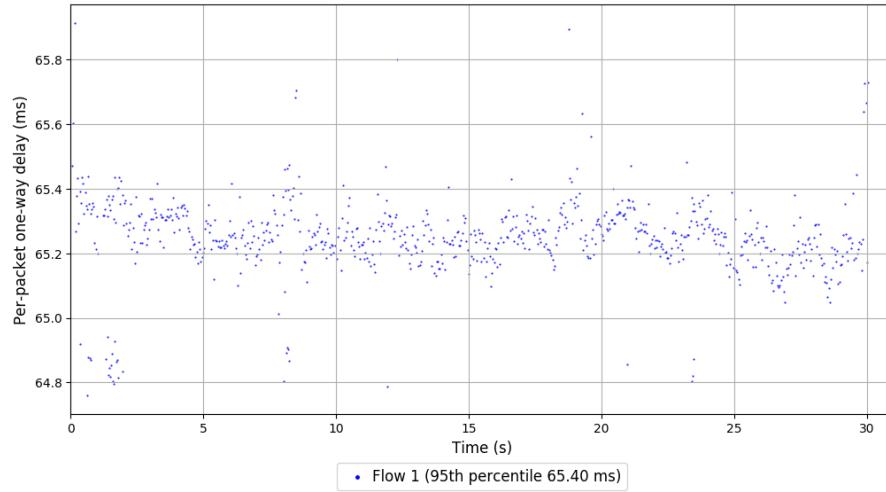
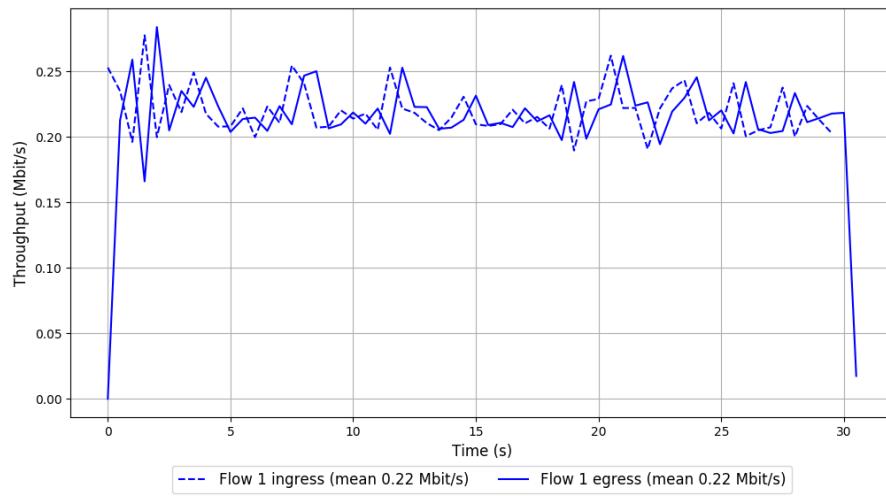


Run 1: Statistics of SCReAM

```
Start at: 2018-06-05 04:20:53
End at: 2018-06-05 04:21:23
Local clock offset: 7.289 ms
Remote clock offset: -5.426 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.399 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

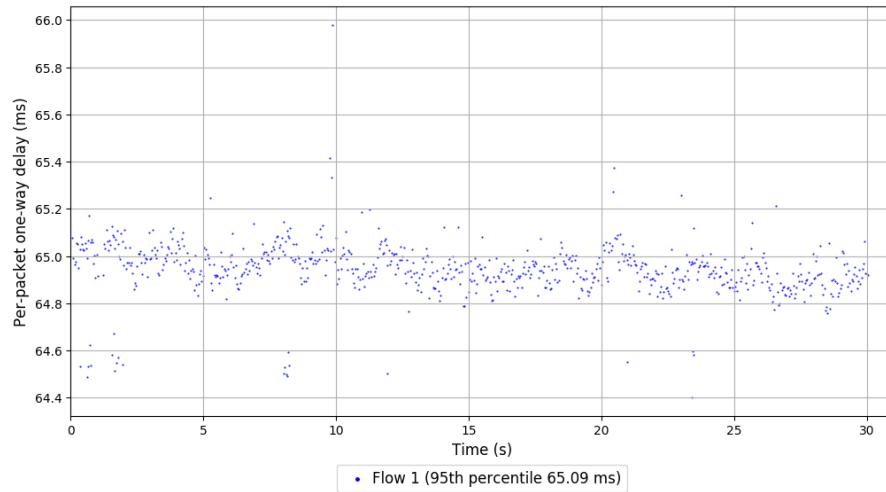
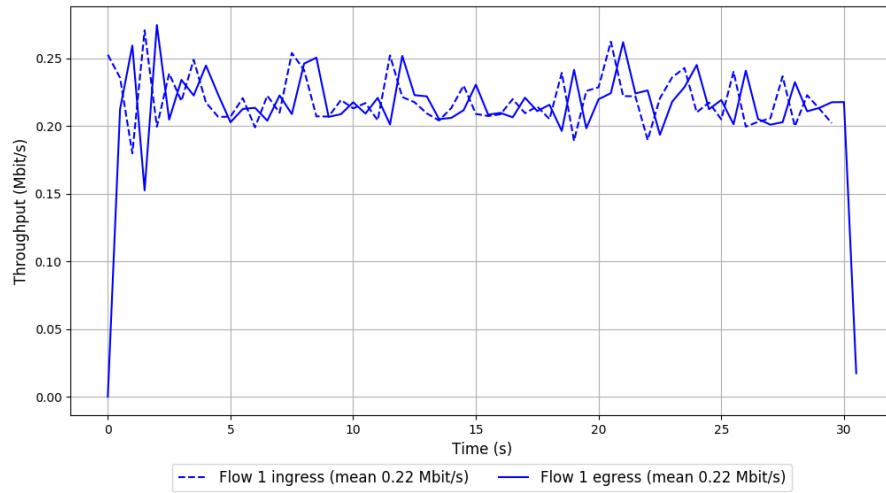


Run 2: Statistics of SCReAM

```
Start at: 2018-06-05 04:41:46
End at: 2018-06-05 04:42:16
Local clock offset: 6.755 ms
Remote clock offset: -3.661 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.087 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

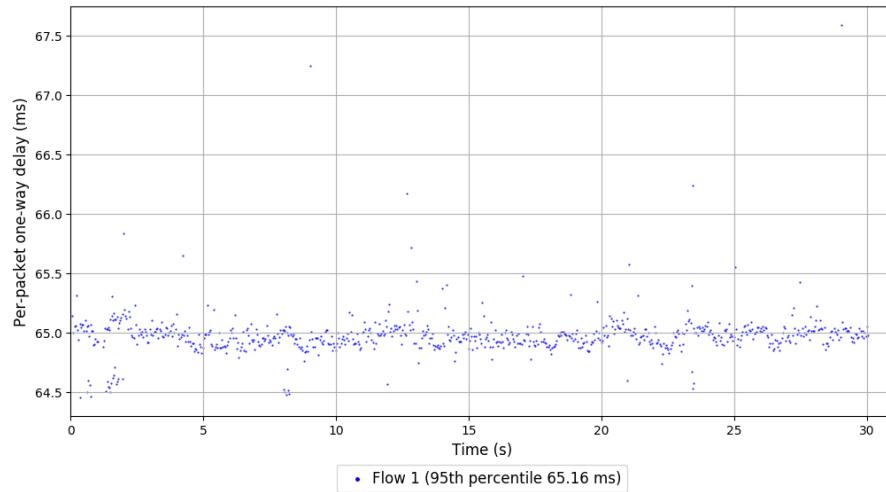
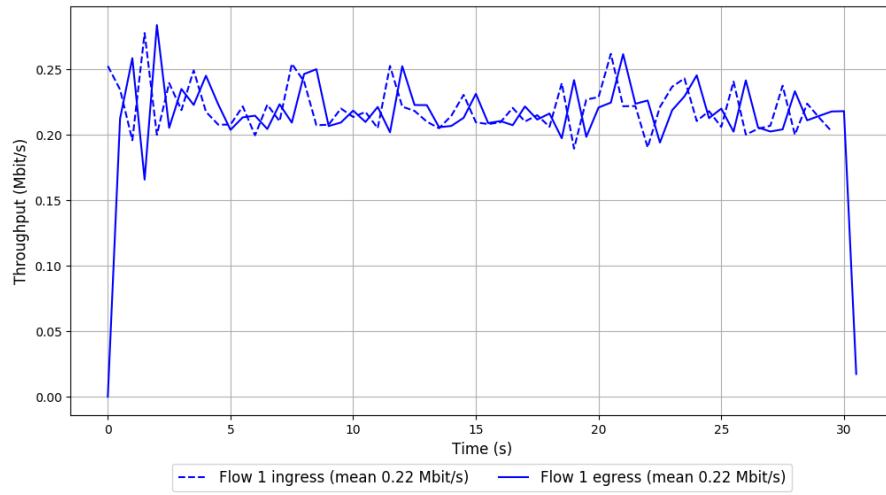


Run 3: Statistics of SCReAM

```
Start at: 2018-06-05 05:02:43
End at: 2018-06-05 05:03:14
Local clock offset: 5.552 ms
Remote clock offset: -5.401 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.155 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

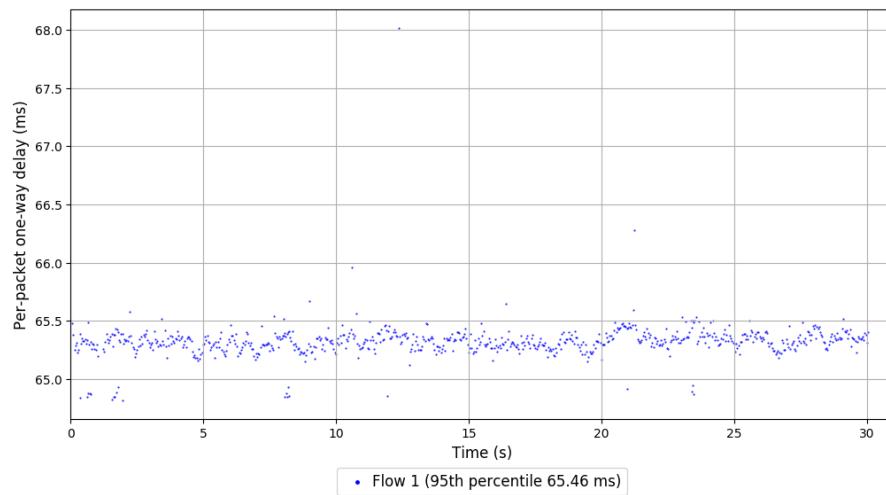
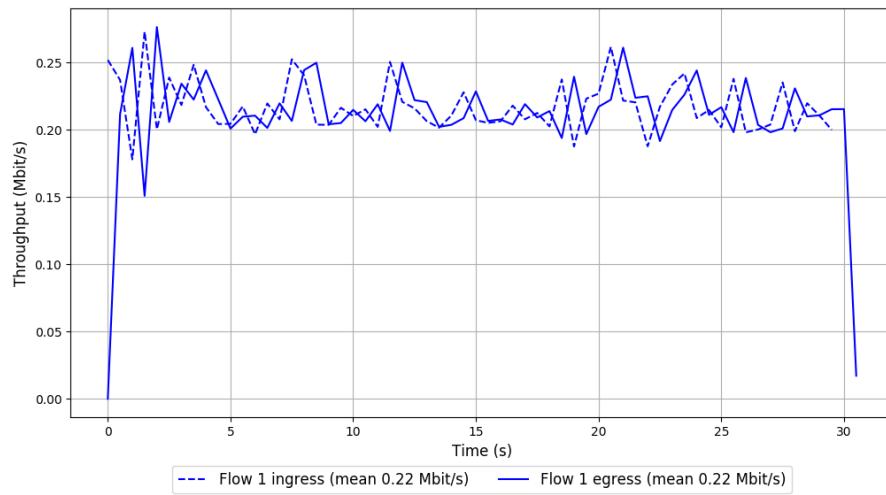


Run 4: Statistics of SCReAM

```
Start at: 2018-06-05 05:23:48
End at: 2018-06-05 05:24:18
Local clock offset: 6.793 ms
Remote clock offset: -6.377 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.463 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

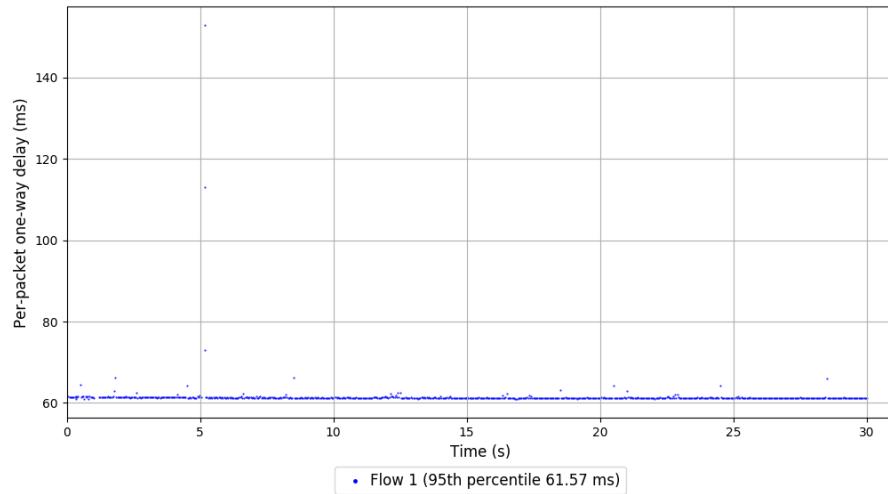
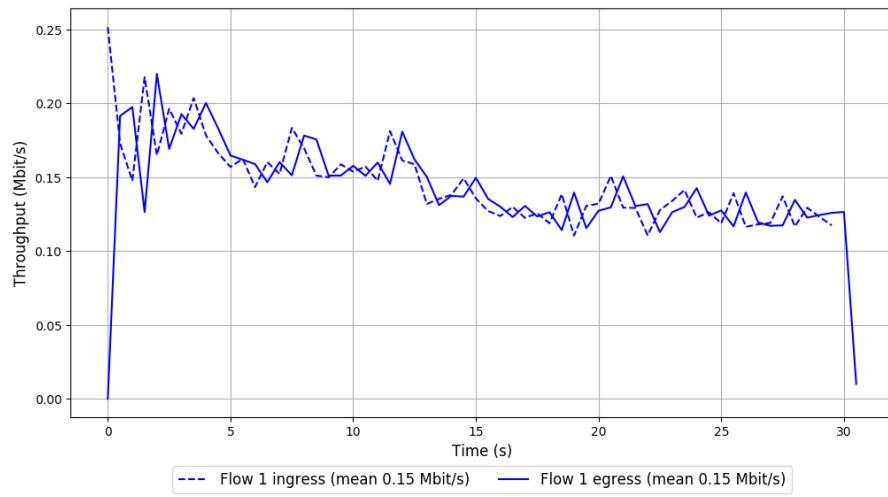


Run 5: Statistics of SCReAM

```
Start at: 2018-06-05 05:44:44
End at: 2018-06-05 05:45:14
Local clock offset: 7.39 ms
Remote clock offset: -7.328 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 61.572 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 61.572 ms
Loss rate: 0.38%
```

Run 5: Report of SCReAM — Data Link

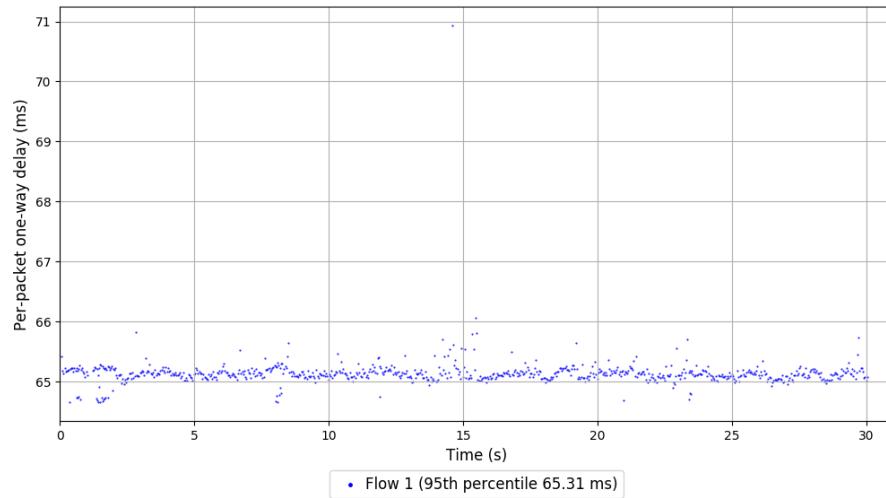
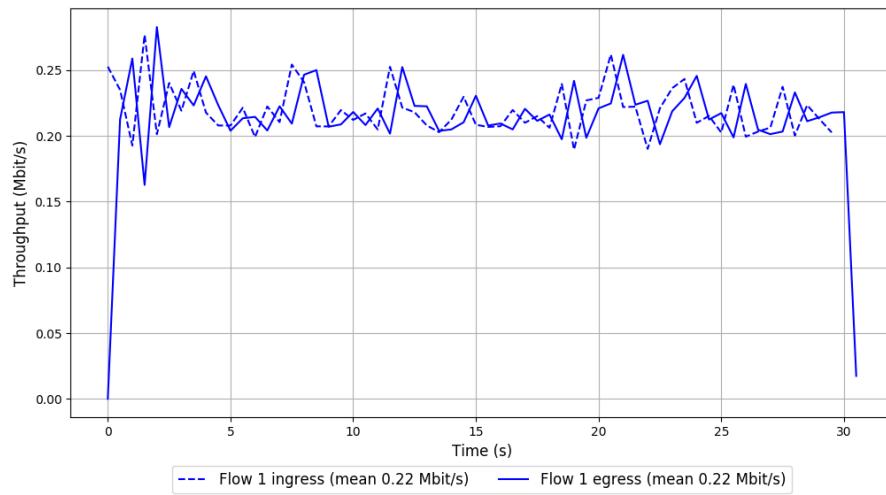


Run 6: Statistics of SCReAM

```
Start at: 2018-06-05 06:05:38
End at: 2018-06-05 06:06:08
Local clock offset: 7.497 ms
Remote clock offset: -3.015 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

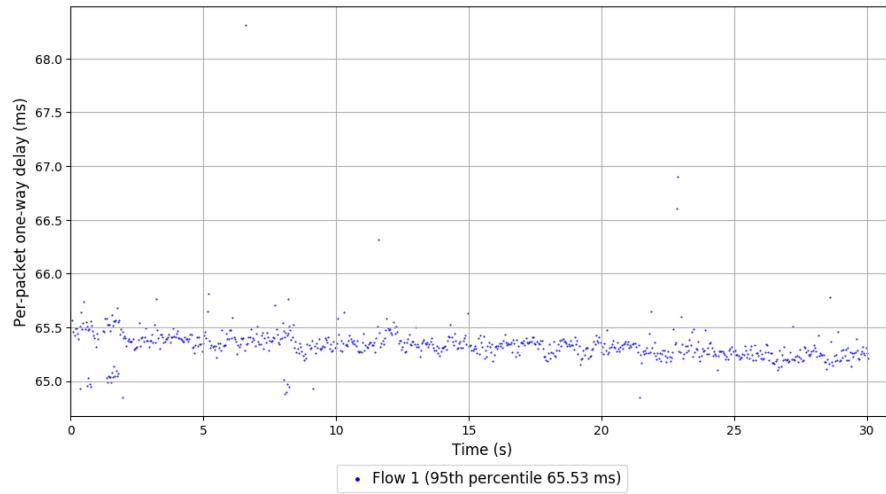
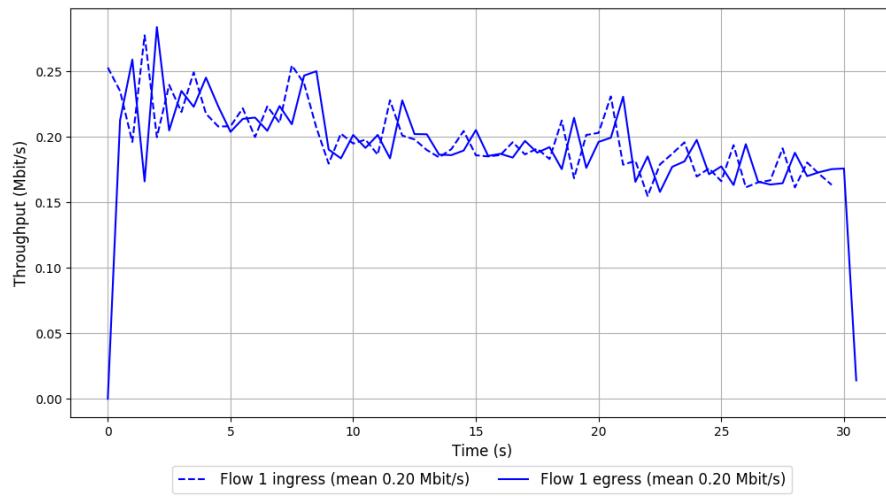


Run 7: Statistics of SCReAM

```
Start at: 2018-06-05 06:26:30
End at: 2018-06-05 06:27:00
Local clock offset: 6.702 ms
Remote clock offset: -2.579 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 65.527 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 65.527 ms
Loss rate: 0.28%
```

Run 7: Report of SCReAM — Data Link

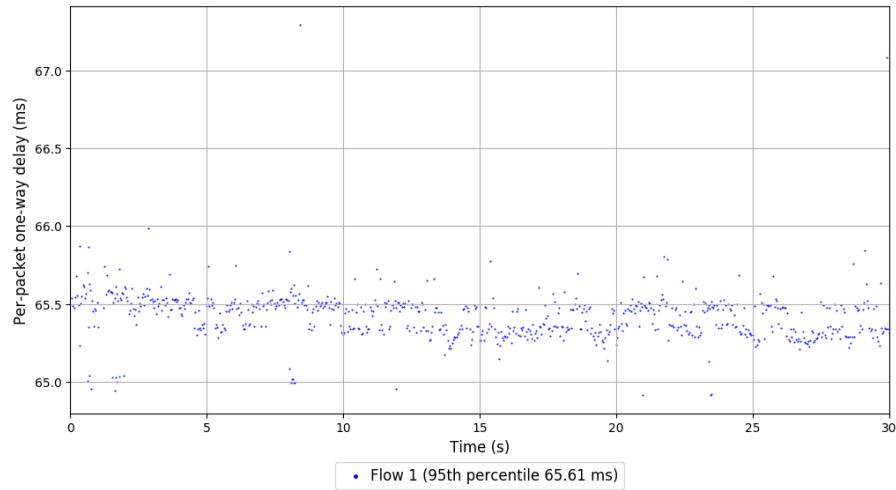
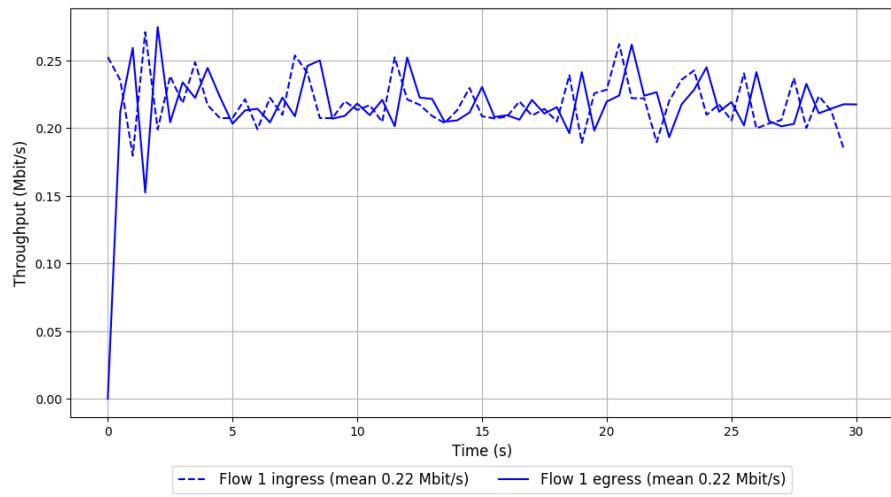


Run 8: Statistics of SCReAM

```
Start at: 2018-06-05 06:47:20
End at: 2018-06-05 06:47:50
Local clock offset: 6.029 ms
Remote clock offset: -2.613 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.612 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

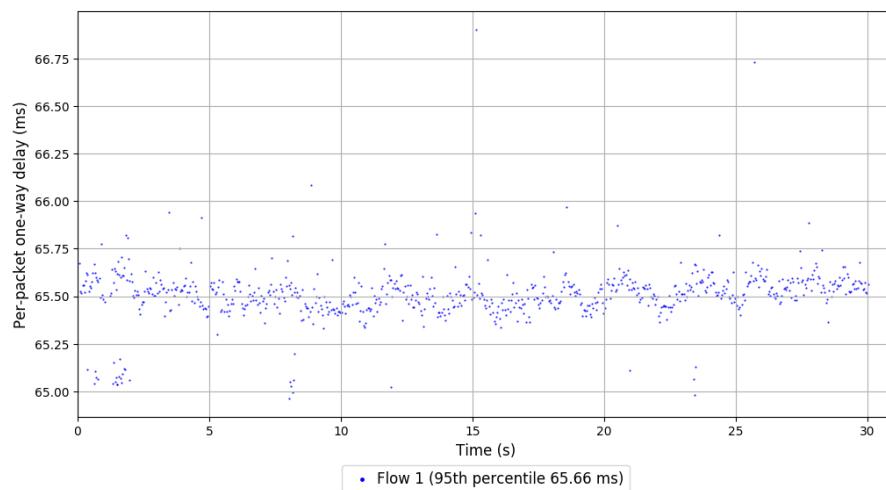
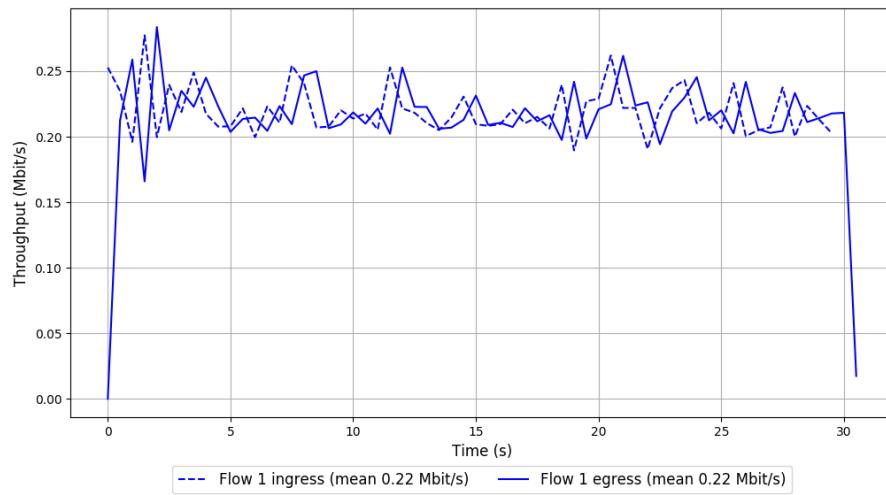


Run 9: Statistics of SCReAM

```
Start at: 2018-06-05 07:09:24
End at: 2018-06-05 07:09:54
Local clock offset: 5.538 ms
Remote clock offset: -2.345 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.655 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

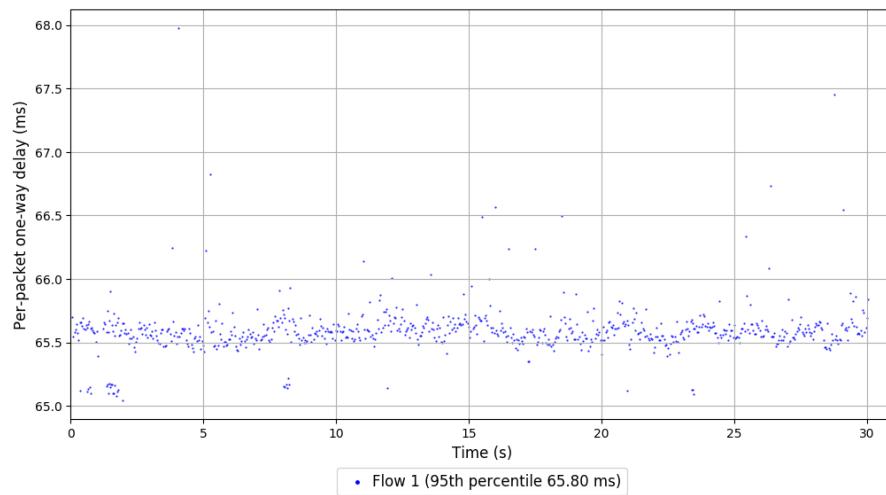
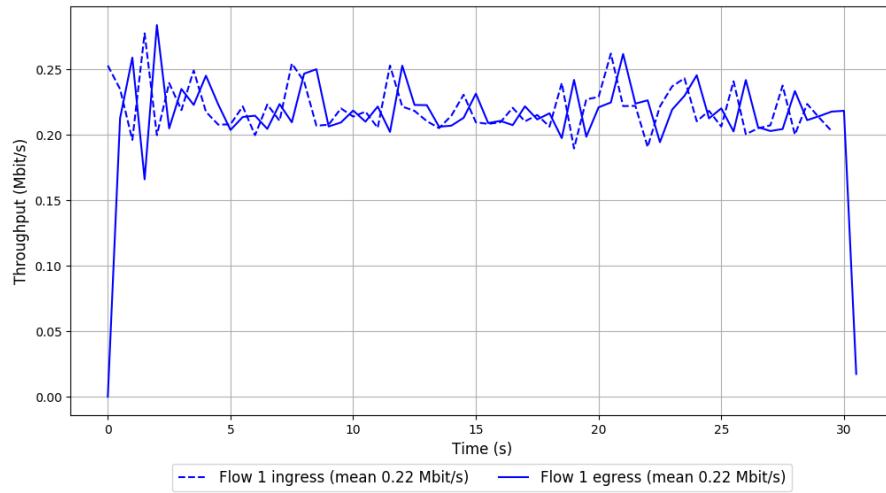


Run 10: Statistics of SCReAM

```
Start at: 2018-06-05 07:30:19
End at: 2018-06-05 07:30:49
Local clock offset: 7.465 ms
Remote clock offset: -3.57 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.797 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

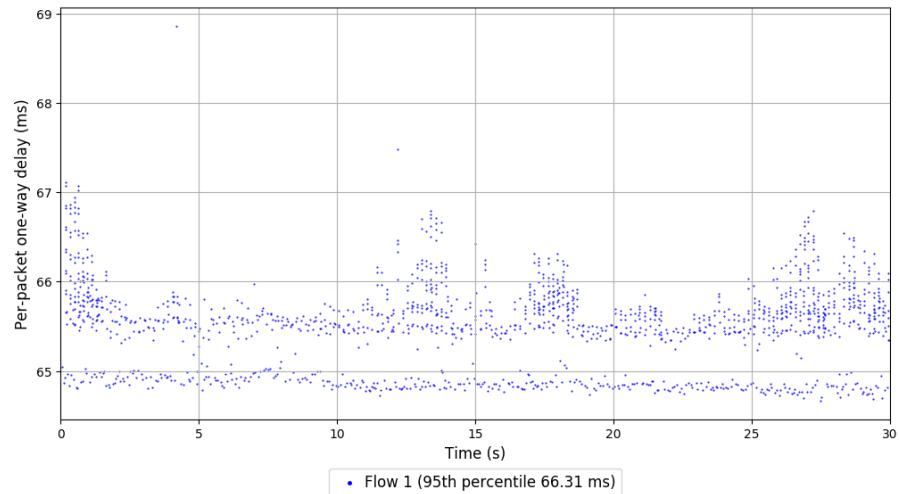
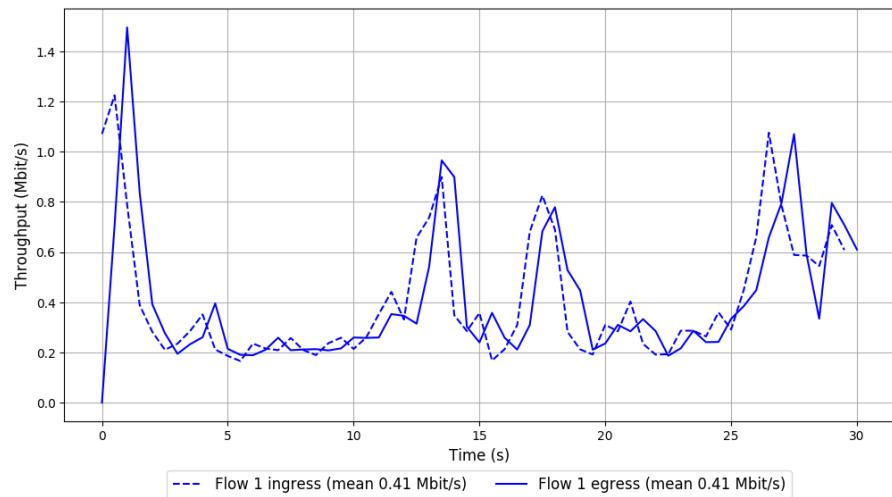


Run 1: Statistics of Sprout

```
Start at: 2018-06-05 04:22:08
End at: 2018-06-05 04:22:38
Local clock offset: 7.242 ms
Remote clock offset: -5.182 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 66.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 66.305 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

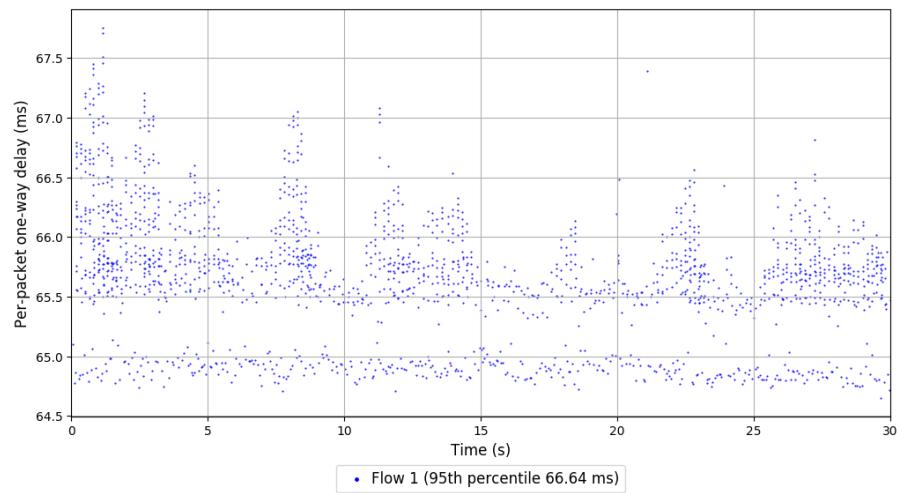
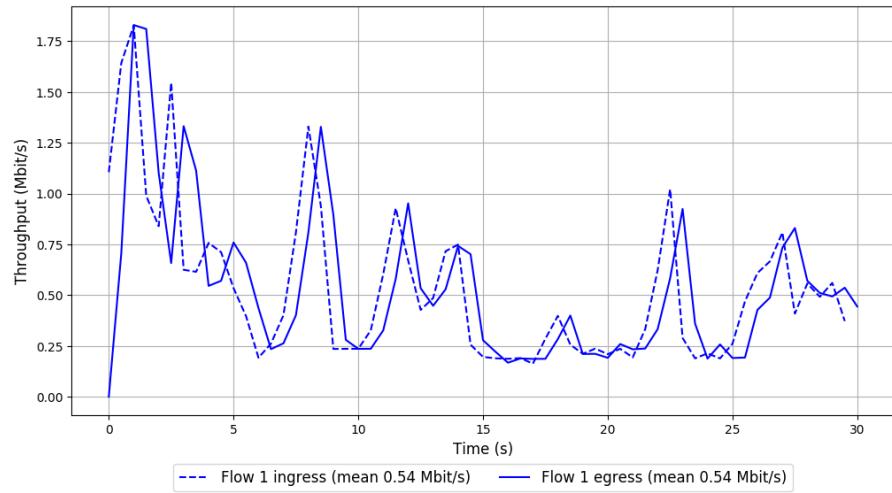


Run 2: Statistics of Sprout

```
Start at: 2018-06-05 04:43:01
End at: 2018-06-05 04:43:31
Local clock offset: 6.482 ms
Remote clock offset: -3.636 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 66.643 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 66.643 ms
Loss rate: 0.22%
```

Run 2: Report of Sprout — Data Link

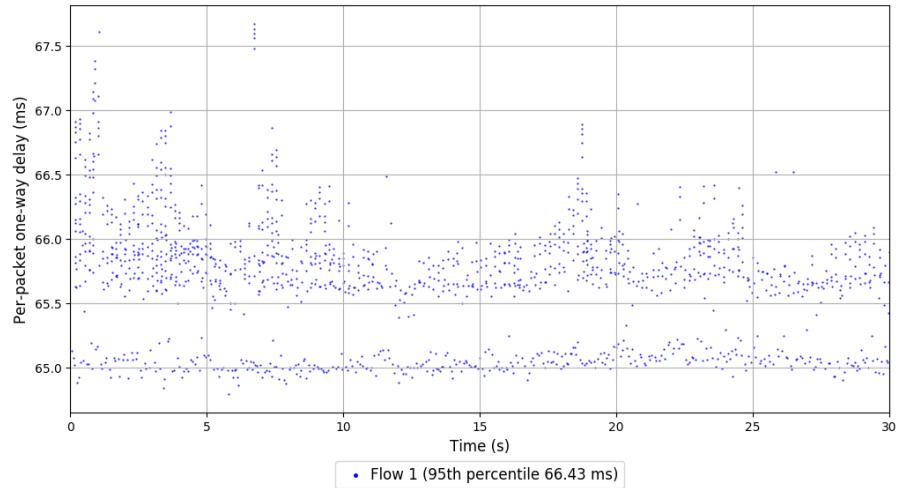
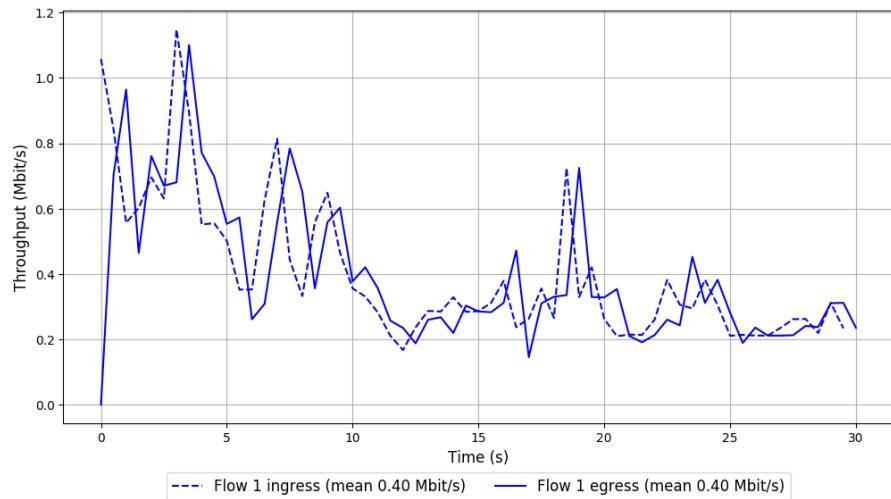


Run 3: Statistics of Sprout

```
Start at: 2018-06-05 05:03:59
End at: 2018-06-05 05:04:29
Local clock offset: 5.387 ms
Remote clock offset: -5.462 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.434 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.434 ms
Loss rate: 0.47%
```

Run 3: Report of Sprout — Data Link

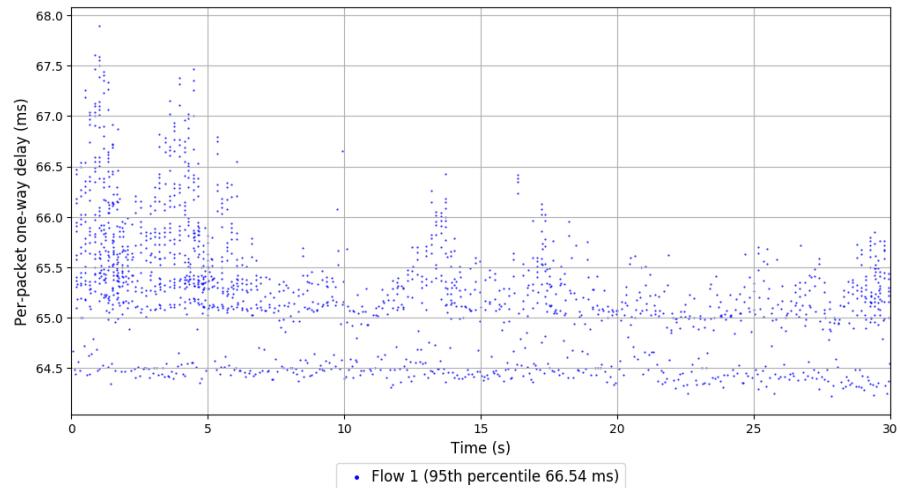
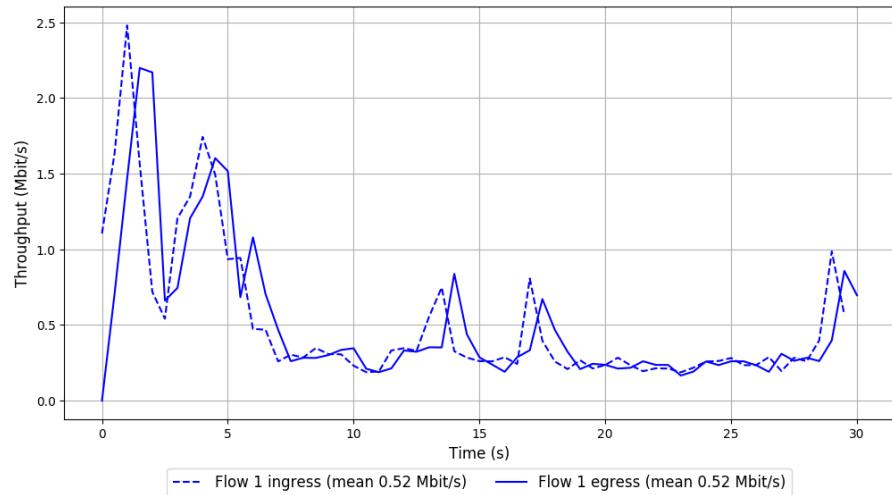


Run 4: Statistics of Sprout

```
Start at: 2018-06-05 05:25:03
End at: 2018-06-05 05:25:33
Local clock offset: 7.096 ms
Remote clock offset: -6.395 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.544 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.544 ms
Loss rate: 0.31%
```

Run 4: Report of Sprout — Data Link

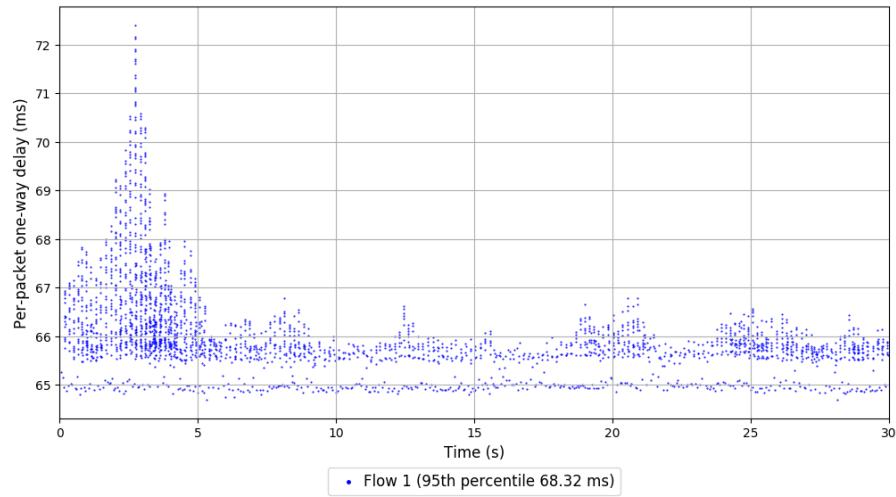
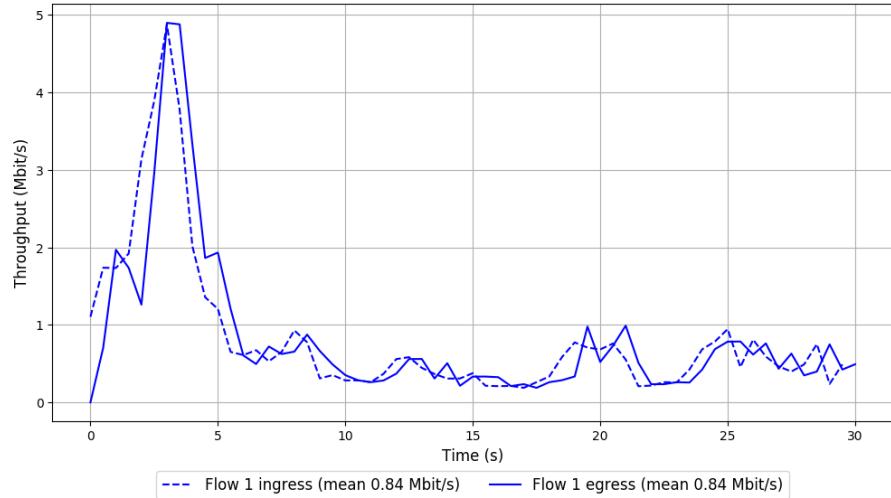


Run 5: Statistics of Sprout

```
Start at: 2018-06-05 05:45:59
End at: 2018-06-05 05:46:29
Local clock offset: 7.386 ms
Remote clock offset: -3.477 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 68.318 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 68.318 ms
Loss rate: 0.05%
```

Run 5: Report of Sprout — Data Link

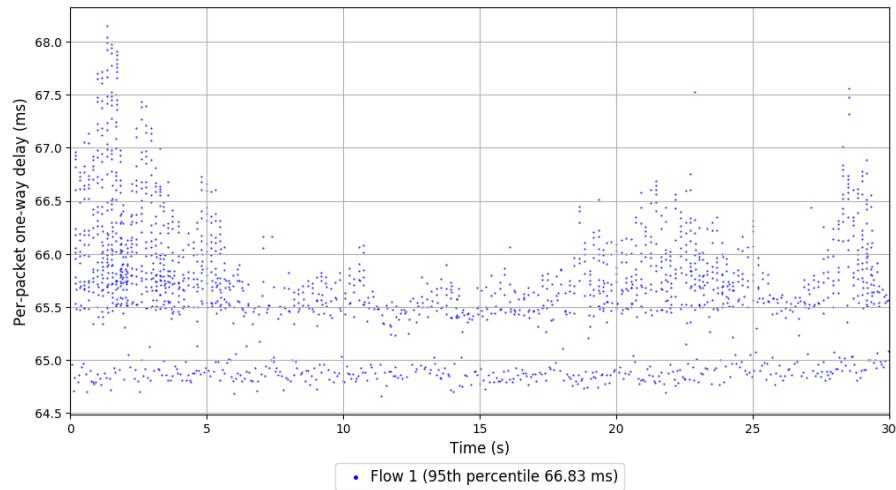
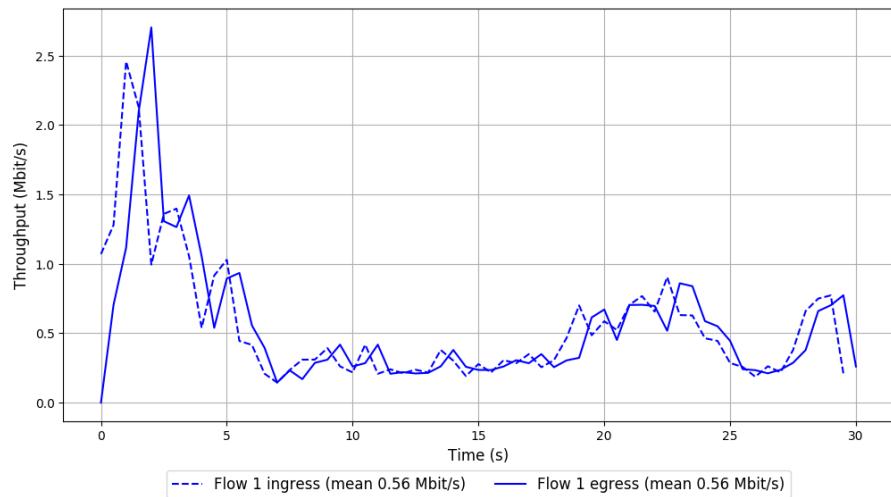


Run 6: Statistics of Sprout

```
Start at: 2018-06-05 06:06:53
End at: 2018-06-05 06:07:23
Local clock offset: 7.325 ms
Remote clock offset: -2.955 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 66.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 66.831 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

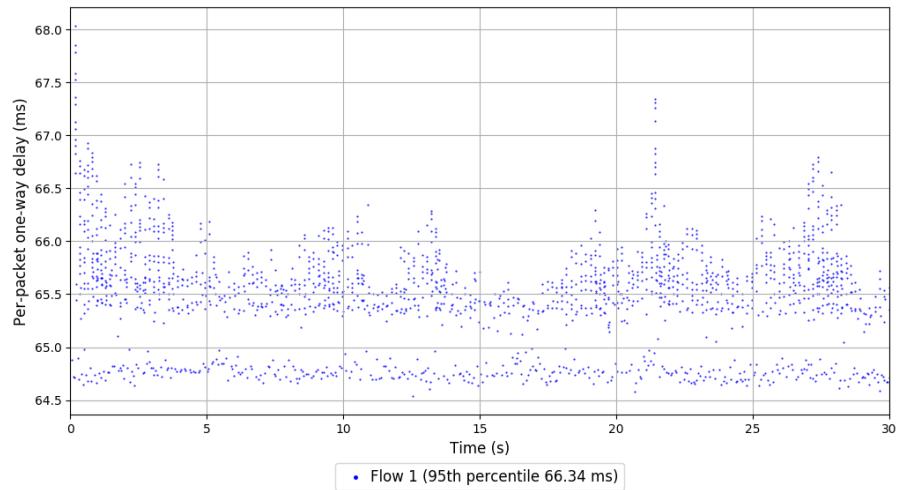
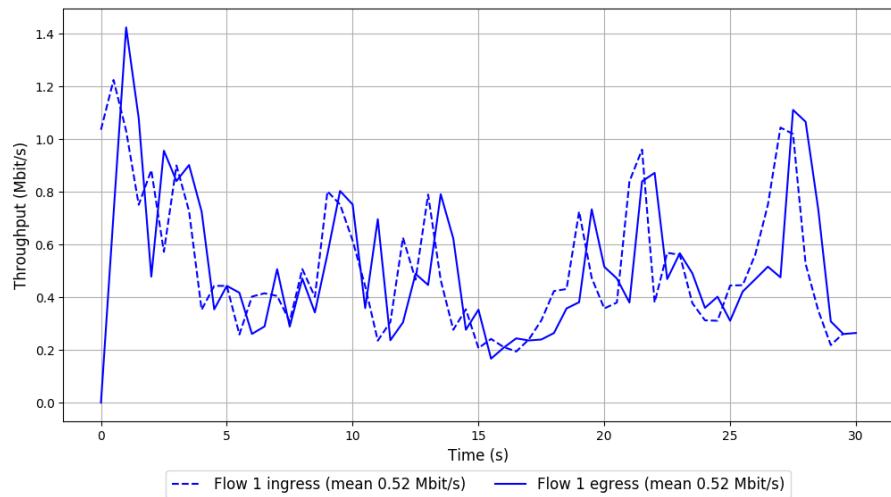


Run 7: Statistics of Sprout

```
Start at: 2018-06-05 06:27:45
End at: 2018-06-05 06:28:15
Local clock offset: 6.547 ms
Remote clock offset: -2.569 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.343 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

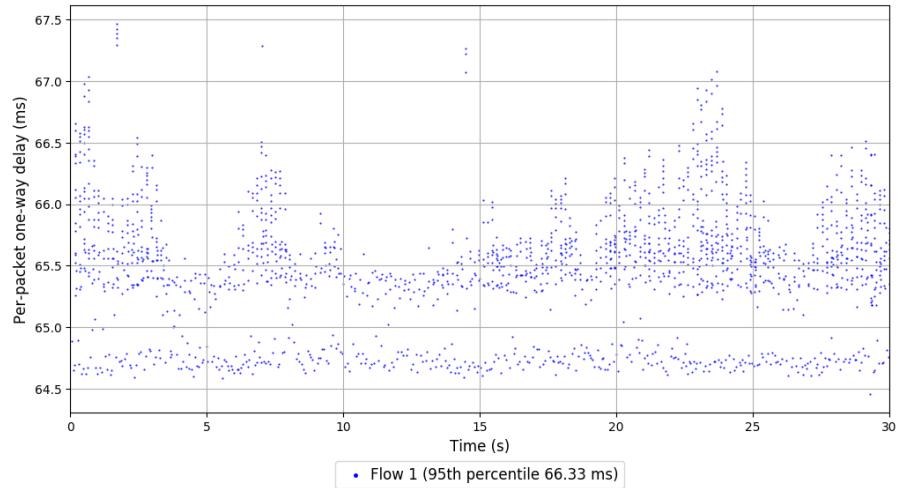
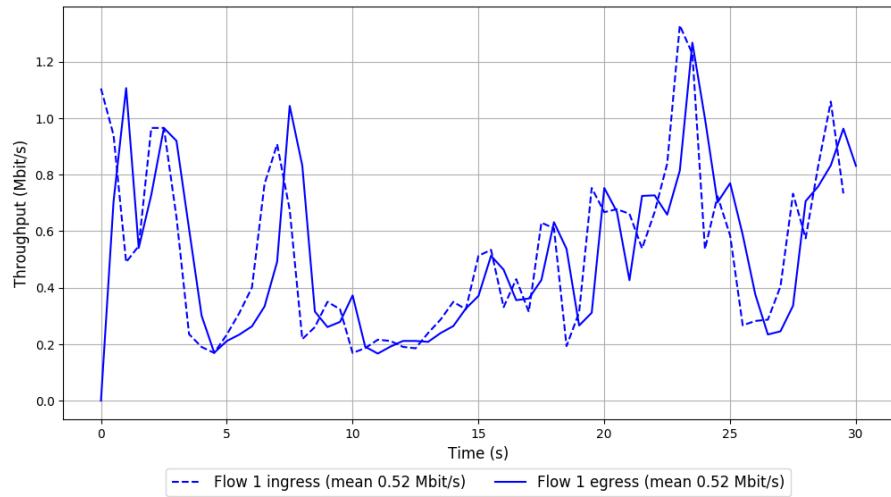


Run 8: Statistics of Sprout

```
Start at: 2018-06-05 06:48:35
End at: 2018-06-05 06:49:05
Local clock offset: 6.172 ms
Remote clock offset: -2.539 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.333 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

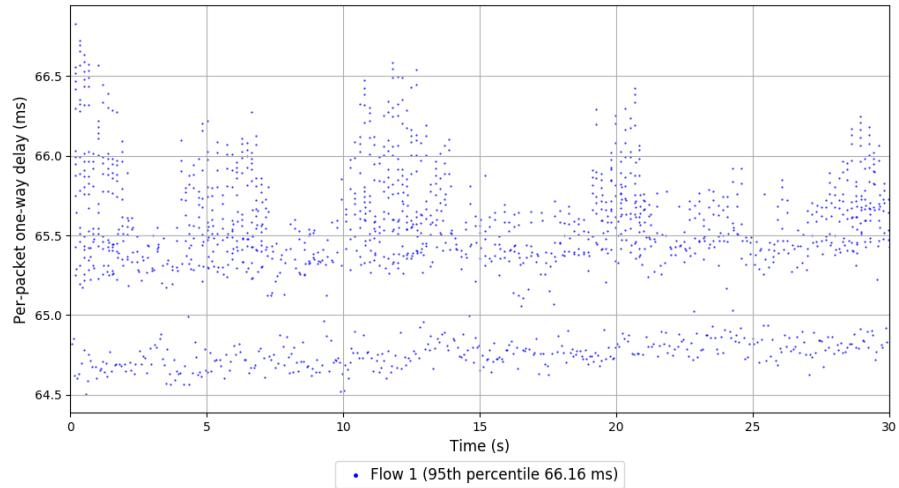
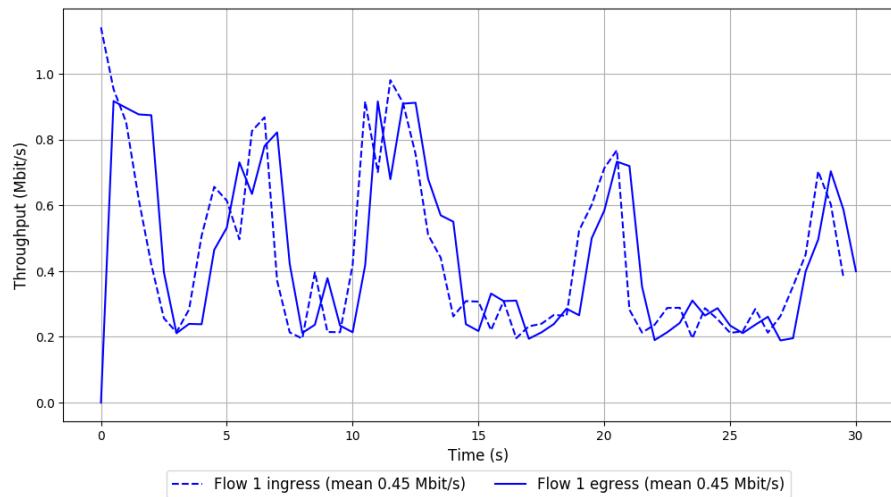


Run 9: Statistics of Sprout

```
Start at: 2018-06-05 07:10:40
End at: 2018-06-05 07:11:10
Local clock offset: 5.764 ms
Remote clock offset: -2.563 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 66.162 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 66.162 ms
Loss rate: 0.09%
```

Run 9: Report of Sprout — Data Link

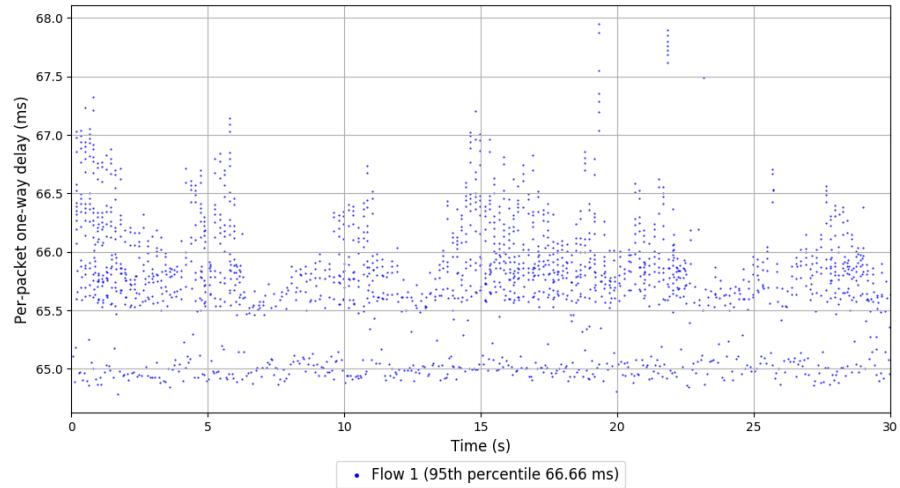
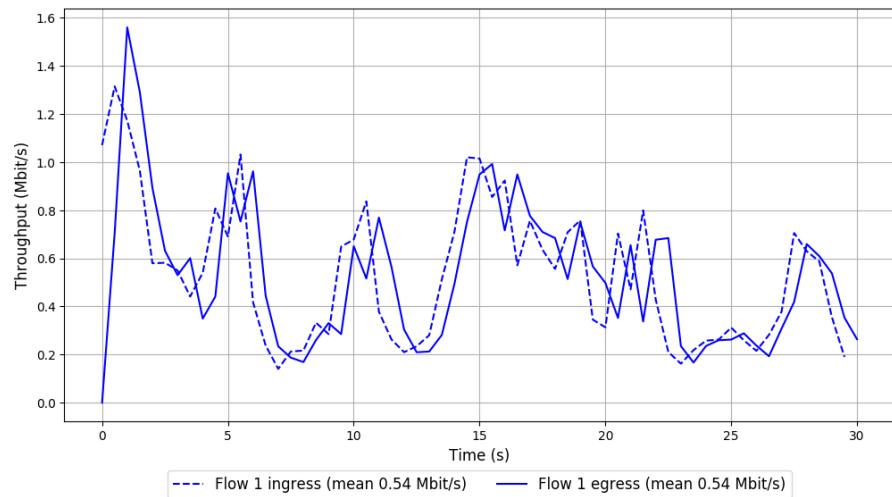


Run 10: Statistics of Sprout

```
Start at: 2018-06-05 07:31:34
End at: 2018-06-05 07:32:04
Local clock offset: 7.647 ms
Remote clock offset: -3.575 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 66.664 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 66.664 ms
Loss rate: 0.15%
```

Run 10: Report of Sprout — Data Link

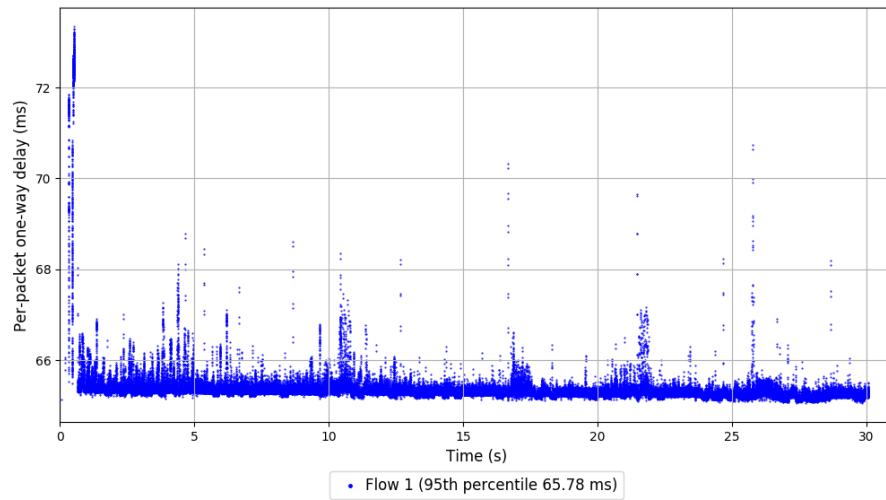
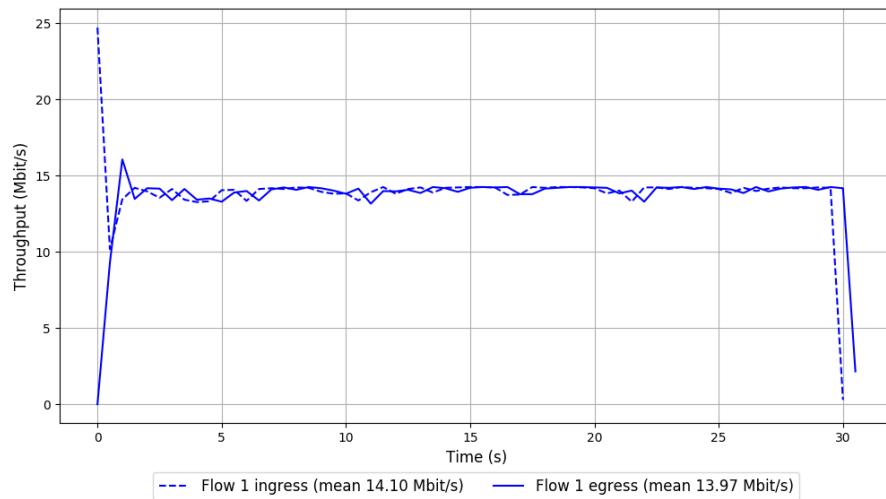


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-05 04:19:36
End at: 2018-06-05 04:20:06
Local clock offset: 7.458 ms
Remote clock offset: -5.657 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.97 Mbit/s
95th percentile per-packet one-way delay: 65.777 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 13.97 Mbit/s
95th percentile per-packet one-way delay: 65.777 ms
Loss rate: 0.91%
```

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

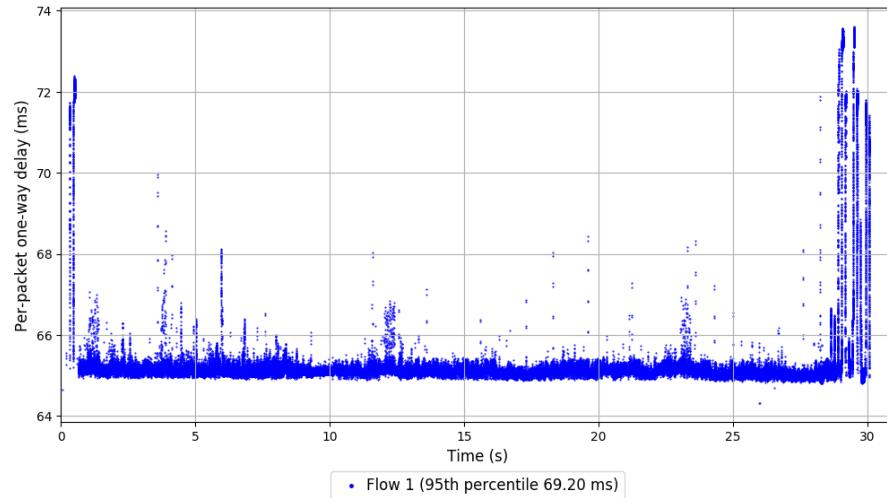
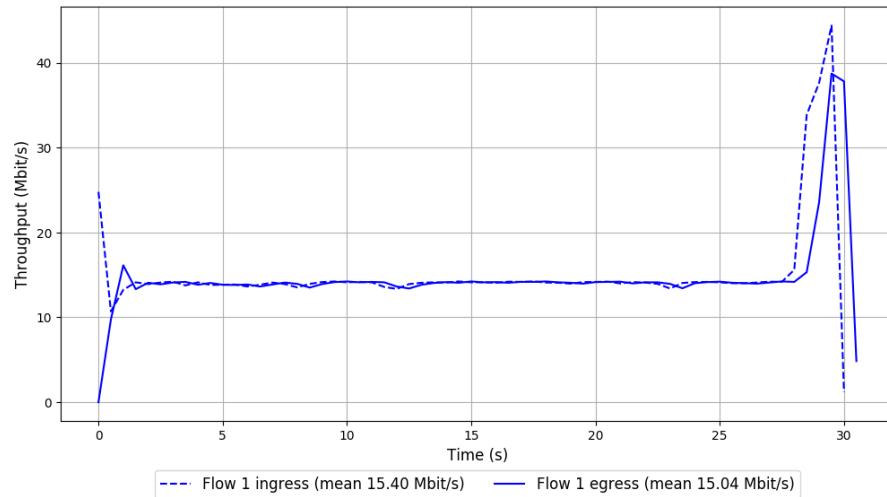


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-05 04:40:29
End at: 2018-06-05 04:40:59
Local clock offset: 6.964 ms
Remote clock offset: -3.662 ms

# Below is generated by plot.py at 2018-06-05 08:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 69.204 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 69.204 ms
Loss rate: 2.39%
```

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

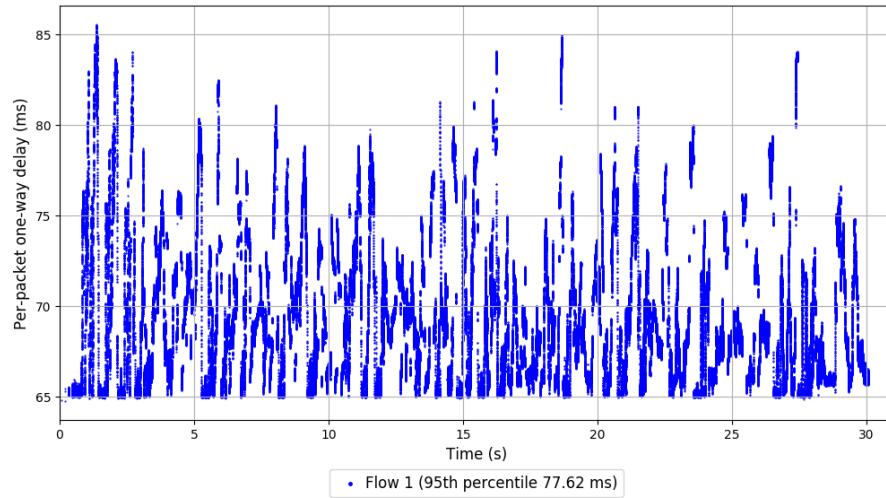
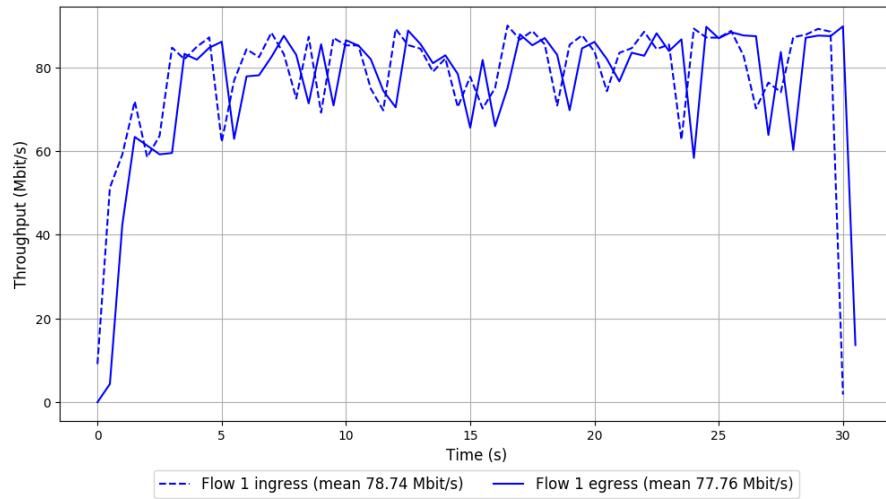


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-05 05:01:22
End at: 2018-06-05 05:01:52
Local clock offset: 5.457 ms
Remote clock offset: -5.362 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.76 Mbit/s
95th percentile per-packet one-way delay: 77.616 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 77.76 Mbit/s
95th percentile per-packet one-way delay: 77.616 ms
Loss rate: 1.23%
```

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

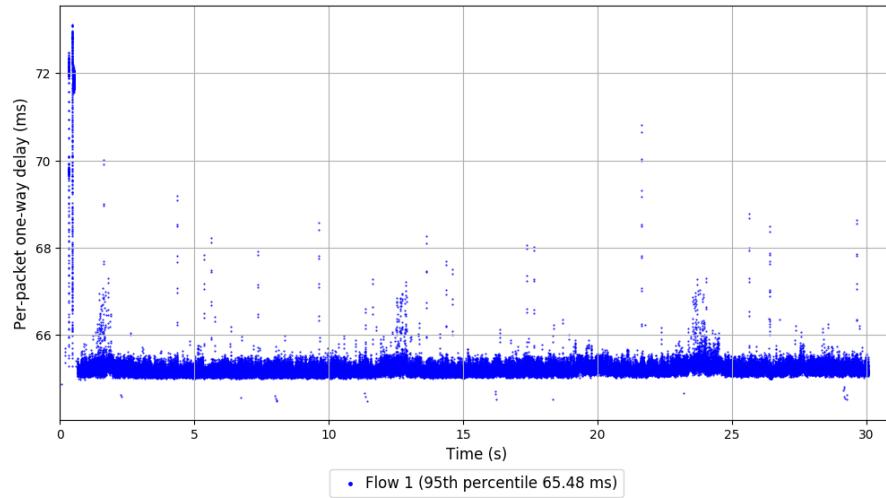
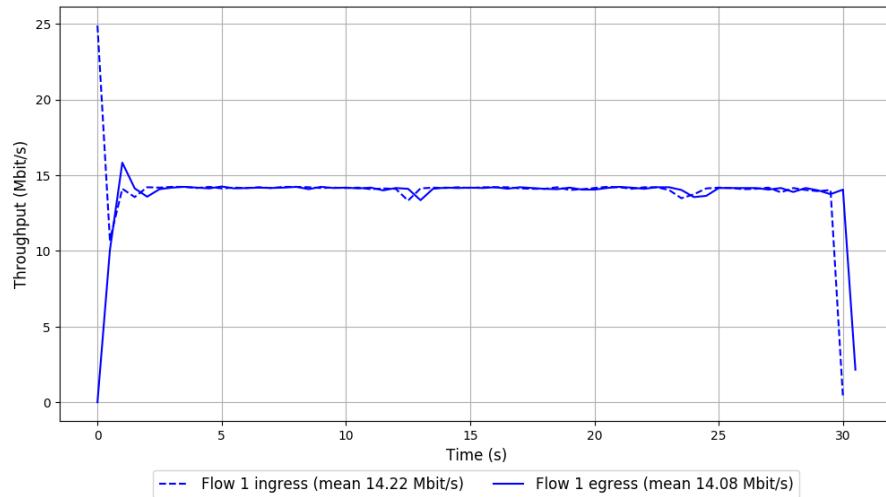


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-05 05:22:31
End at: 2018-06-05 05:23:01
Local clock offset: 6.973 ms
Remote clock offset: -6.379 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 65.479 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 65.479 ms
Loss rate: 1.01%
```

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

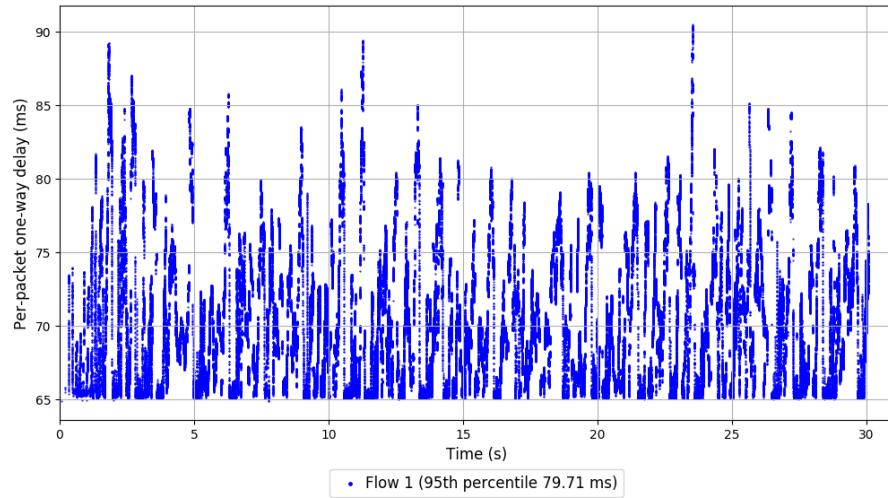
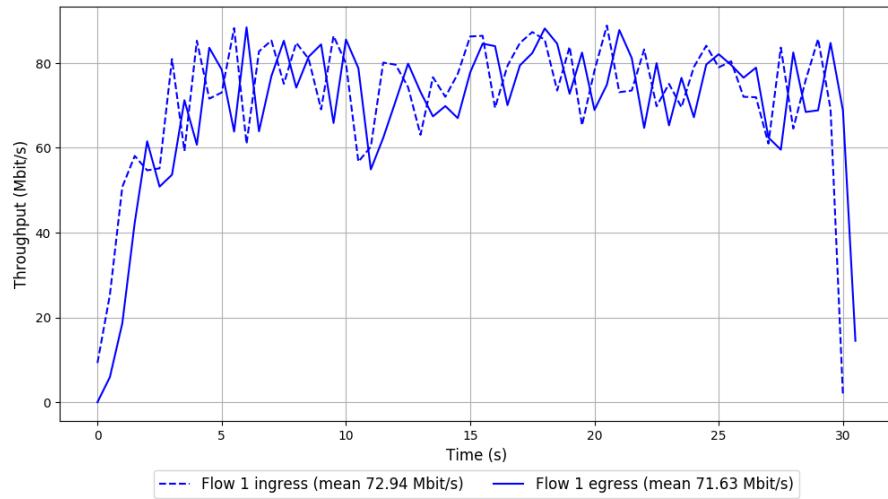


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-05 05:43:23
End at: 2018-06-05 05:43:53
Local clock offset: 7.515 ms
Remote clock offset: -3.74 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.63 Mbit/s
95th percentile per-packet one-way delay: 79.709 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 71.63 Mbit/s
95th percentile per-packet one-way delay: 79.709 ms
Loss rate: 1.78%
```

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

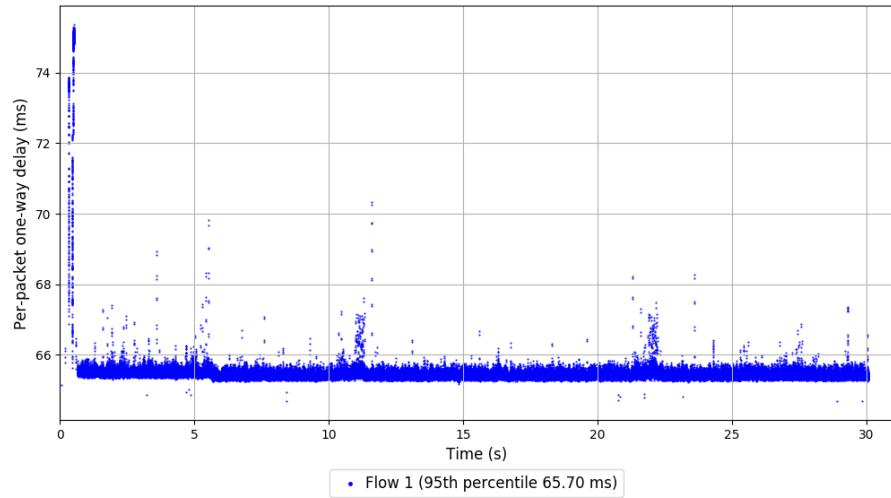
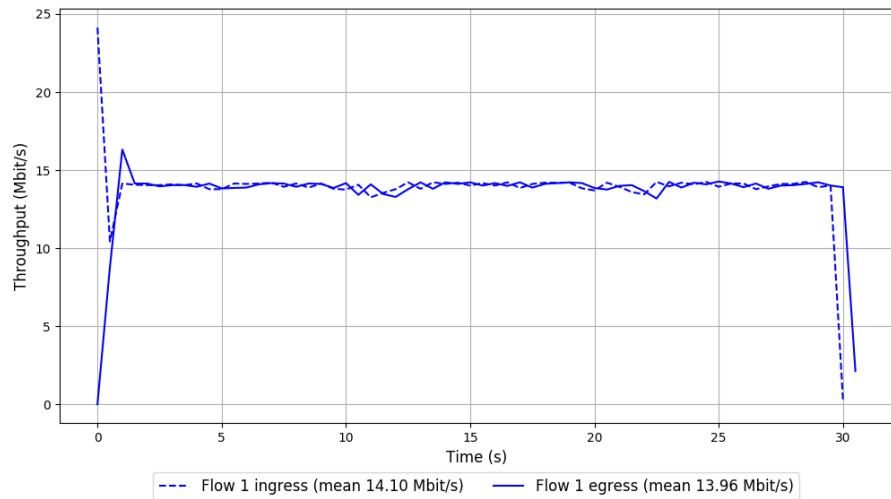


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-05 06:04:21
End at: 2018-06-05 06:04:51
Local clock offset: 7.613 ms
Remote clock offset: -2.918 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.96 Mbit/s
95th percentile per-packet one-way delay: 65.699 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 13.96 Mbit/s
95th percentile per-packet one-way delay: 65.699 ms
Loss rate: 0.99%
```

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

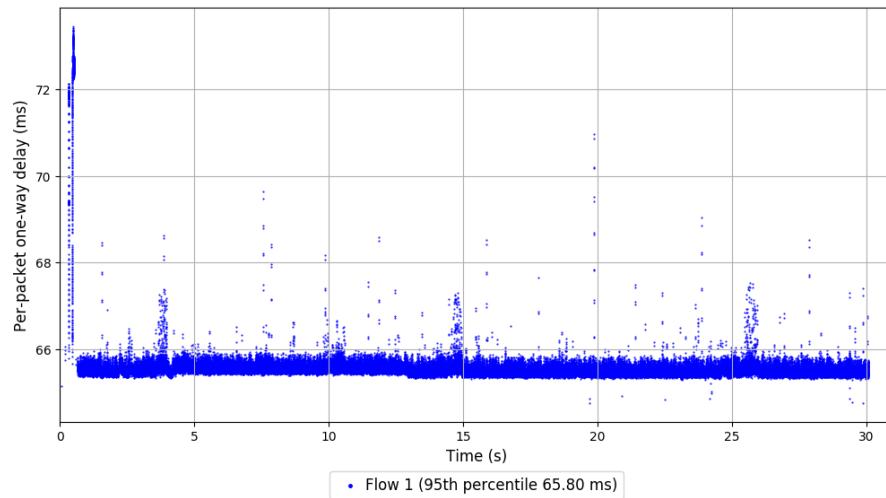
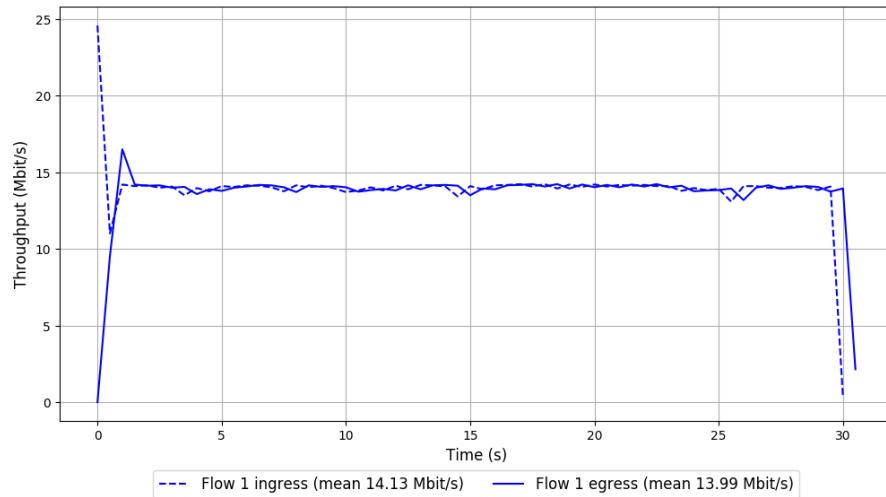


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-05 06:25:13
End at: 2018-06-05 06:25:43
Local clock offset: 6.636 ms
Remote clock offset: -2.602 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: 65.799 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: 65.799 ms
Loss rate: 0.97%
```

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

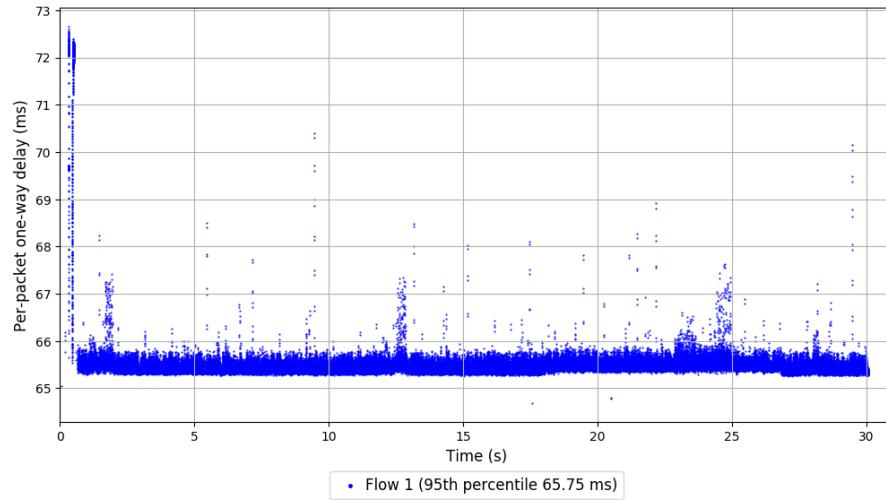
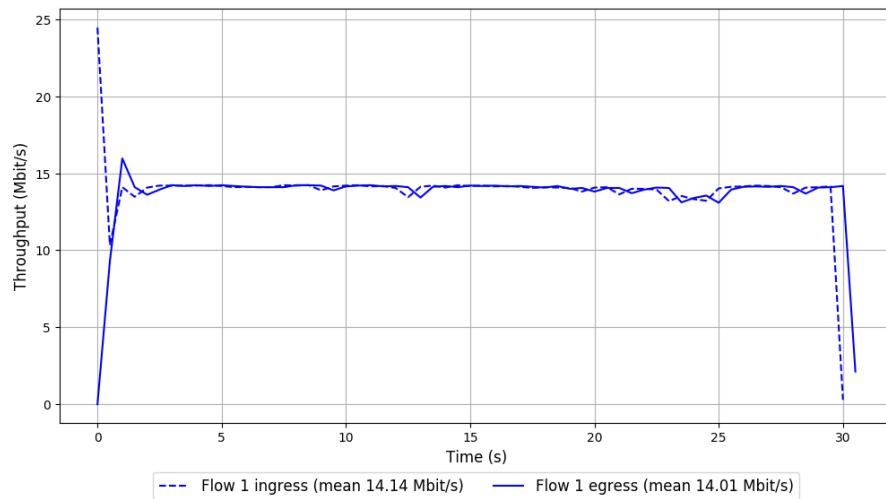


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-05 06:46:03
End at: 2018-06-05 06:46:33
Local clock offset: 6.139 ms
Remote clock offset: -2.524 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 65.745 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 65.745 ms
Loss rate: 0.92%
```

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

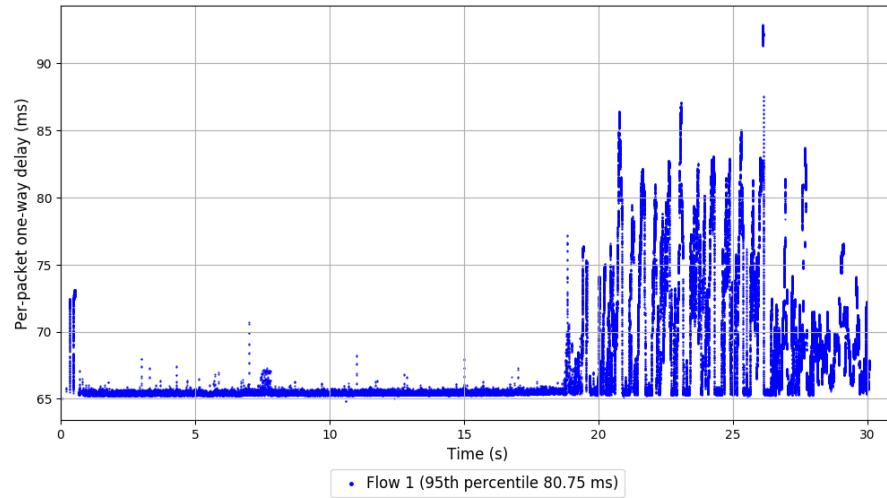
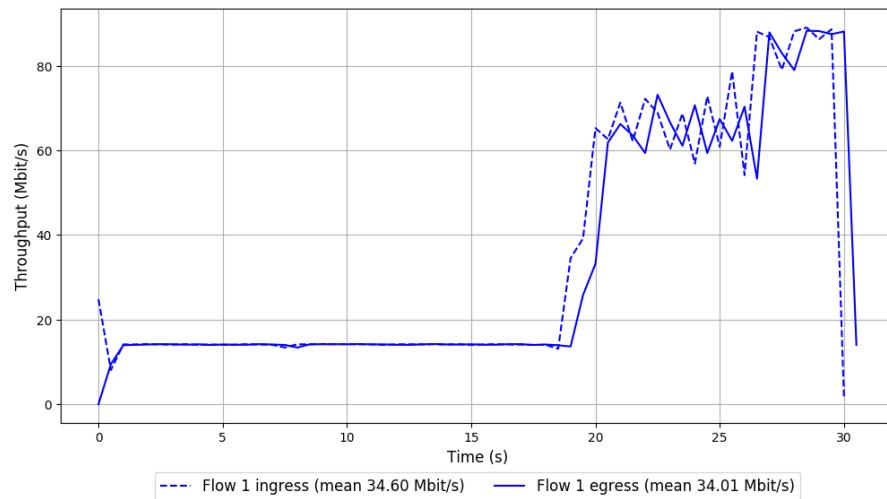


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-05 07:08:06
End at: 2018-06-05 07:08:36
Local clock offset: 5.435 ms
Remote clock offset: -2.115 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 80.754 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 80.754 ms
Loss rate: 1.70%
```

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

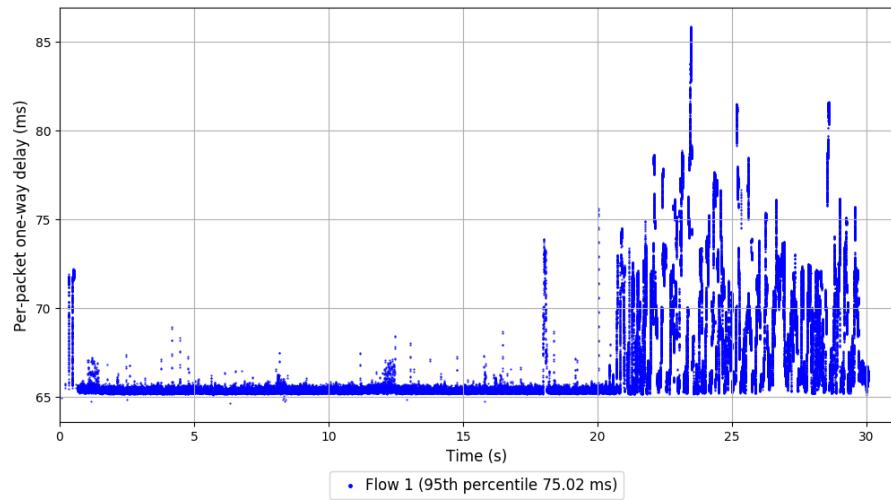
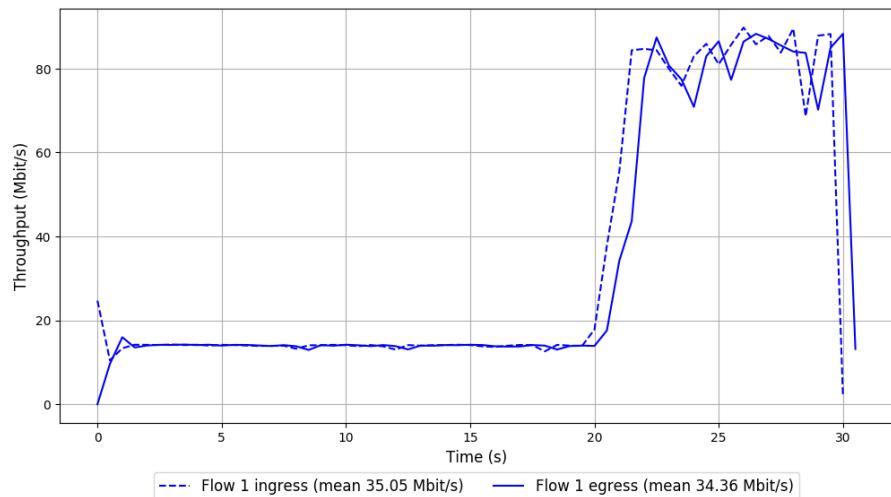


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-05 07:29:00
End at: 2018-06-05 07:29:30
Local clock offset: 7.422 ms
Remote clock offset: -3.587 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 75.022 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 75.022 ms
Loss rate: 1.95%
```

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

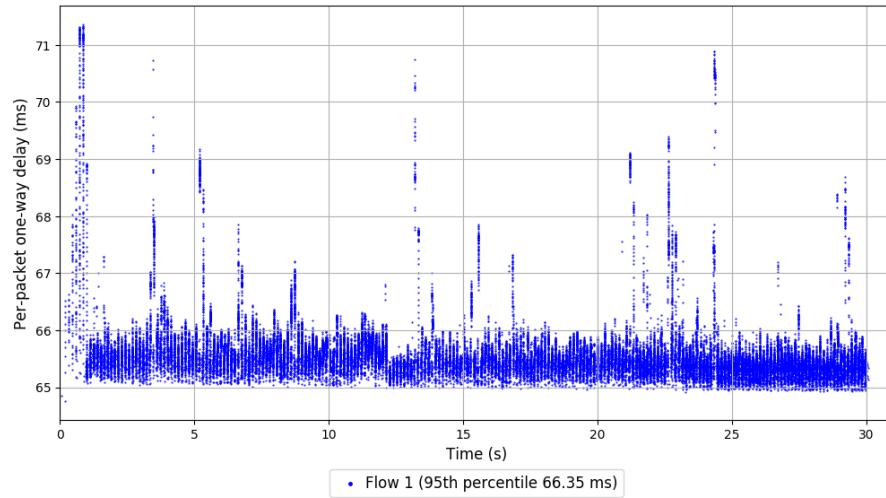
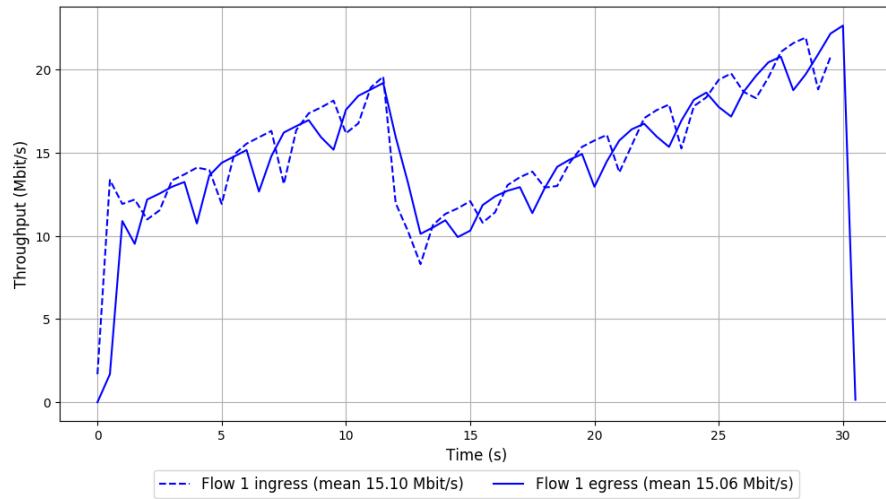


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-05 04:18:19
End at: 2018-06-05 04:18:49
Local clock offset: 7.505 ms
Remote clock offset: -5.993 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 66.348 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 66.348 ms
Loss rate: 0.21%
```

Run 1: Report of TCP Vegas — Data Link

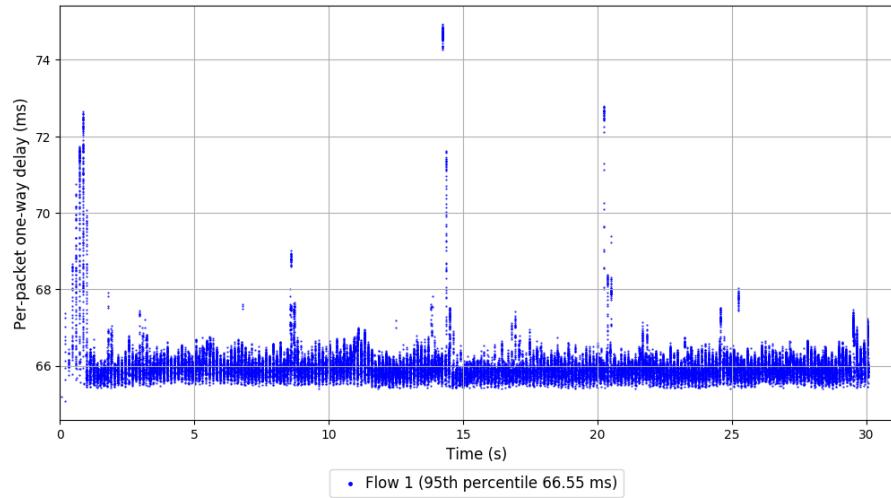
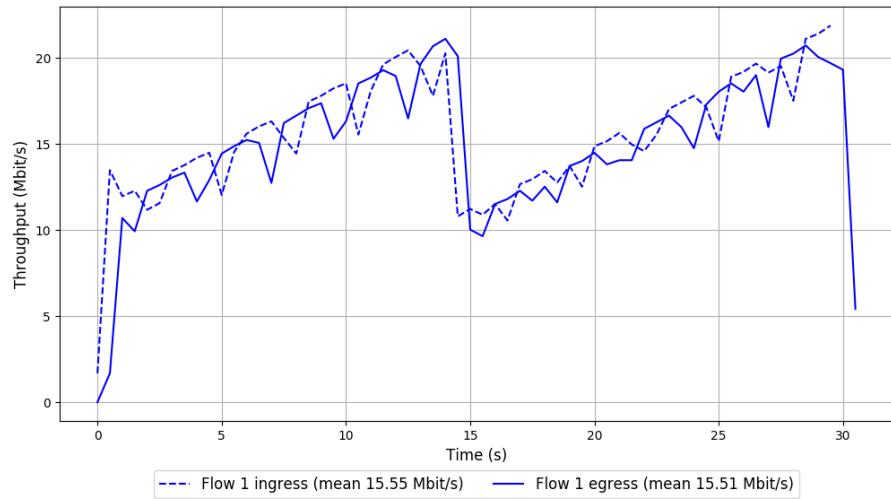


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-05 04:39:12
End at: 2018-06-05 04:39:42
Local clock offset: 6.855 ms
Remote clock offset: -3.685 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 66.547 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 66.547 ms
Loss rate: 0.24%
```

Run 2: Report of TCP Vegas — Data Link

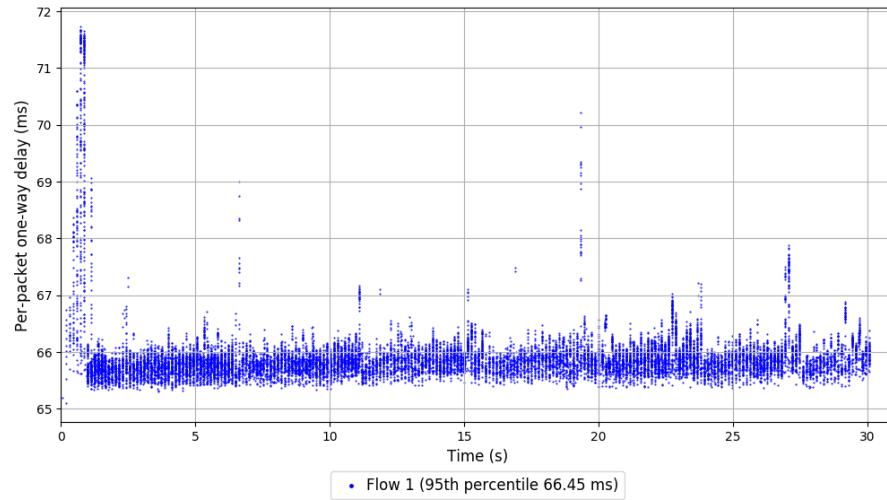
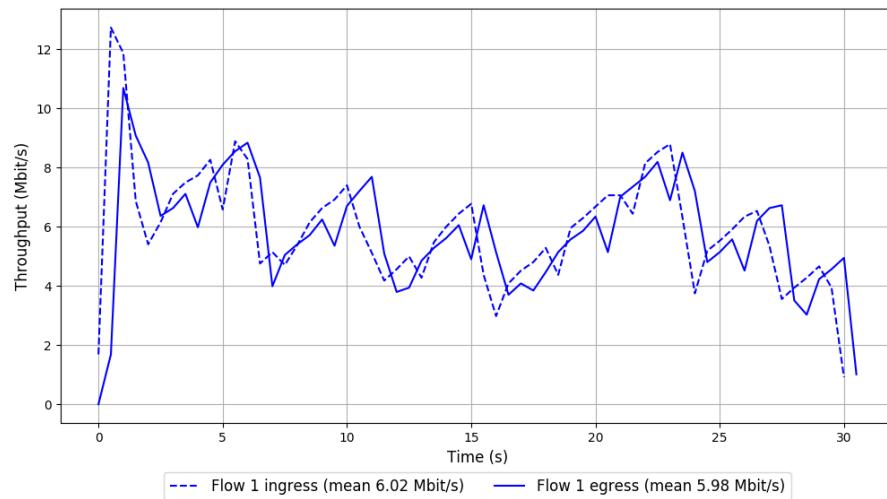


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-05 05:00:06
End at: 2018-06-05 05:00:36
Local clock offset: 5.53 ms
Remote clock offset: -5.131 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 66.446 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 66.446 ms
Loss rate: 0.71%
```

Run 3: Report of TCP Vegas — Data Link

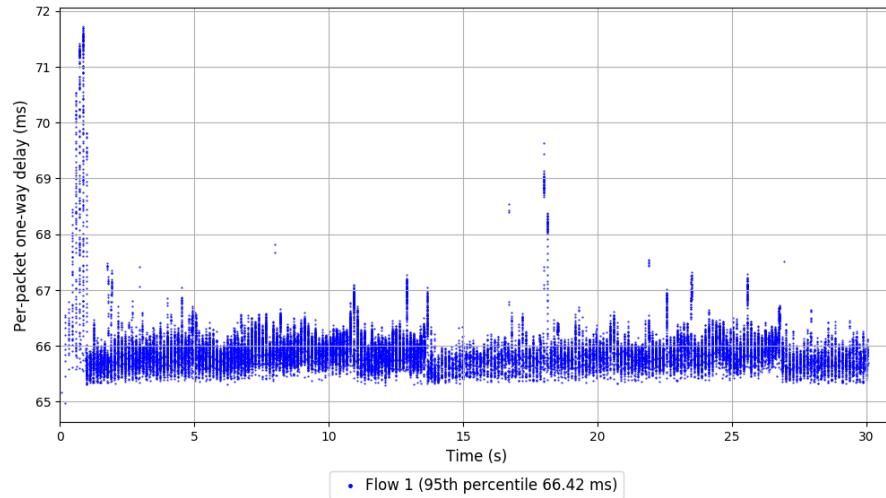
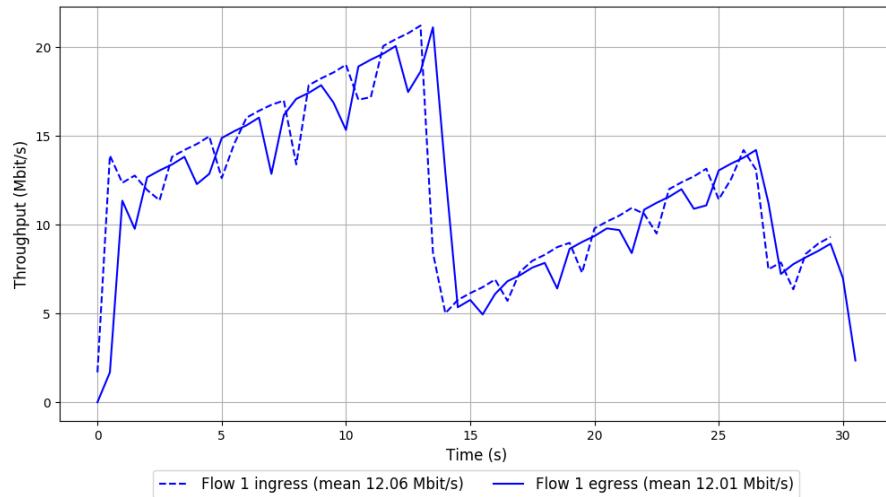


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-05 05:21:15
End at: 2018-06-05 05:21:45
Local clock offset: 6.74 ms
Remote clock offset: -6.368 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 66.418 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 66.418 ms
Loss rate: 0.38%
```

Run 4: Report of TCP Vegas — Data Link

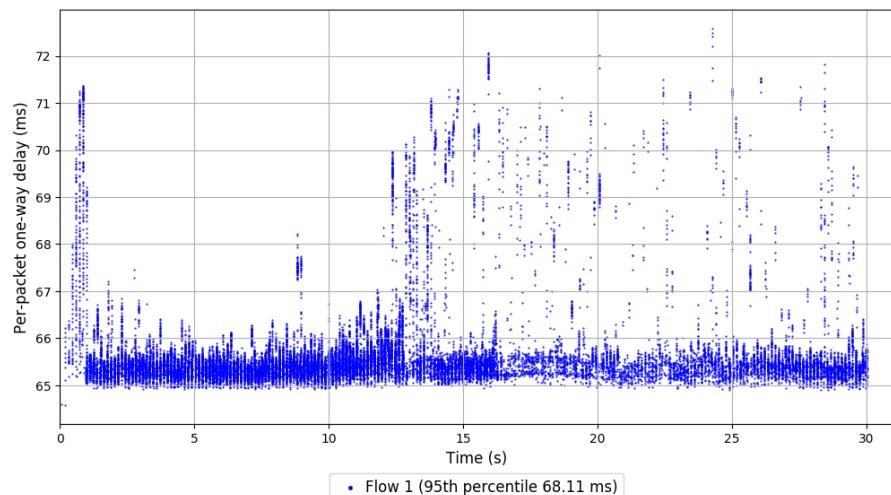
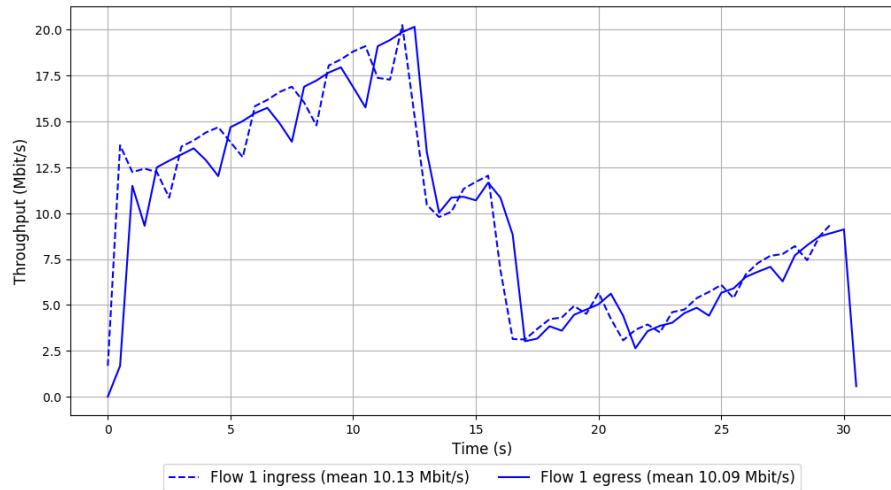


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-05 05:42:06
End at: 2018-06-05 05:42:36
Local clock offset: 7.534 ms
Remote clock offset: -3.751 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 68.107 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 68.107 ms
Loss rate: 0.40%
```

Run 5: Report of TCP Vegas — Data Link

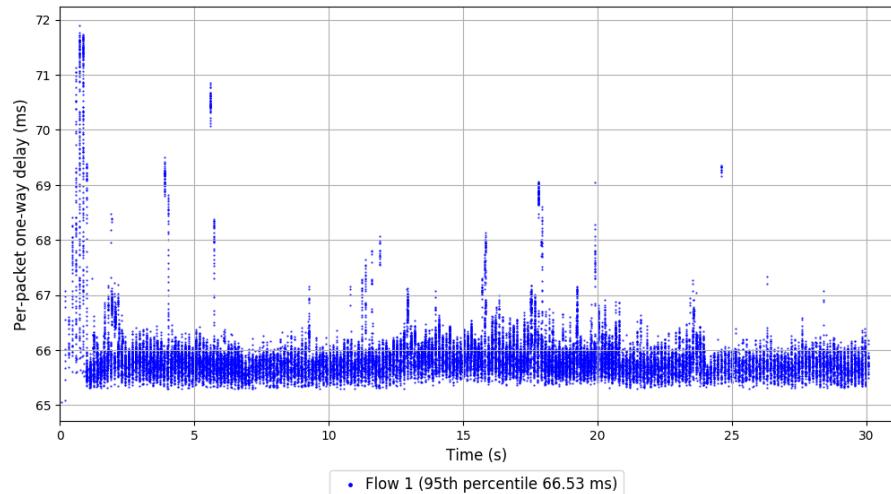
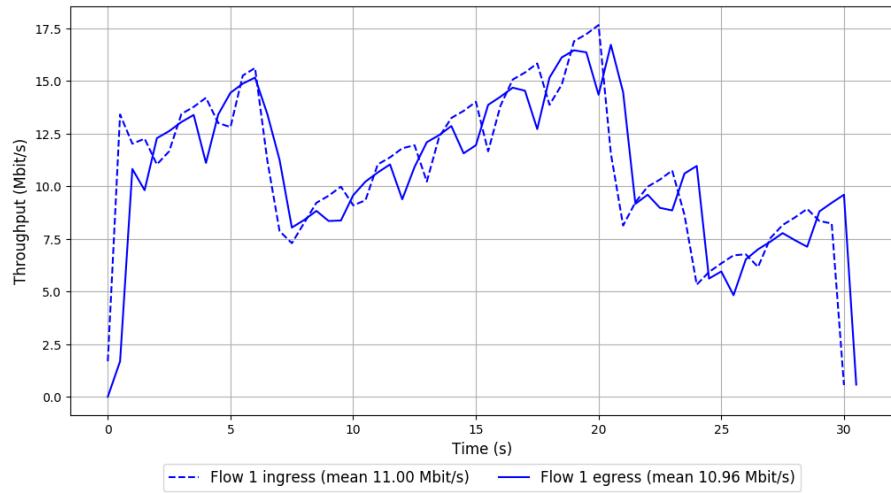


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-05 06:03:05
End at: 2018-06-05 06:03:35
Local clock offset: 7.597 ms
Remote clock offset: -2.84 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 66.533 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 66.533 ms
Loss rate: 0.34%
```

Run 6: Report of TCP Vegas — Data Link

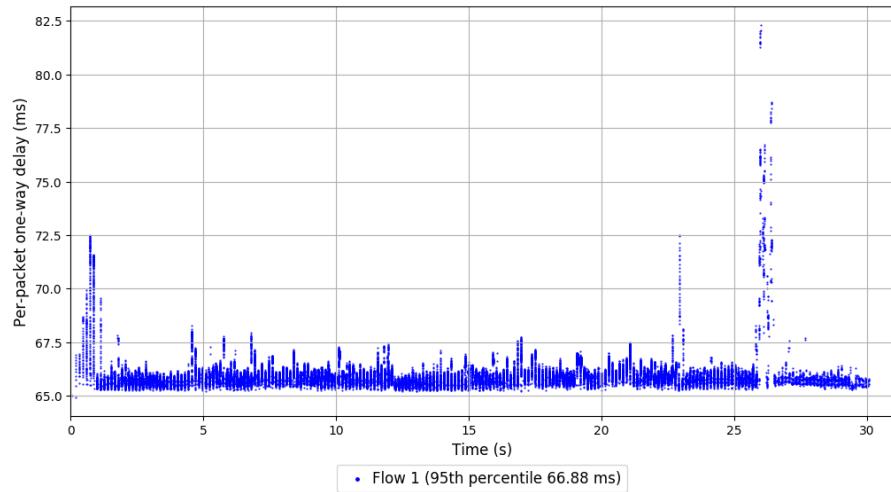
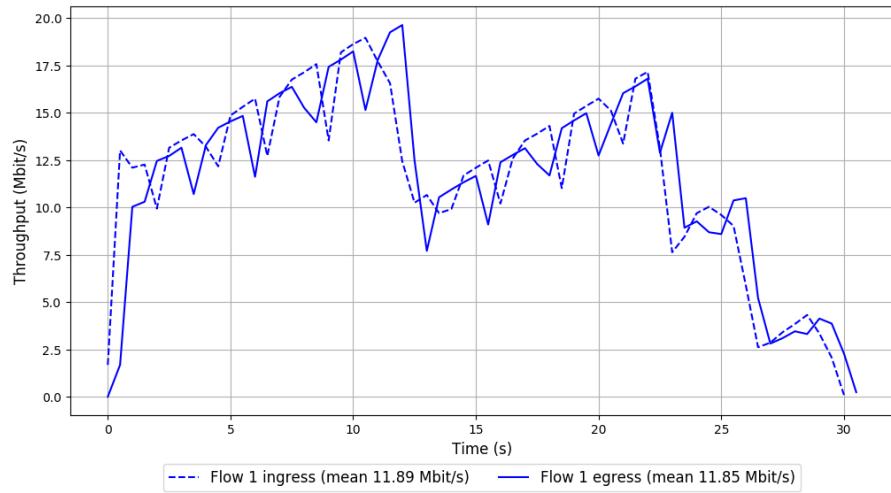


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-05 06:23:56
End at: 2018-06-05 06:24:26
Local clock offset: 6.774 ms
Remote clock offset: -2.663 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 66.883 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 66.883 ms
Loss rate: 0.33%
```

Run 7: Report of TCP Vegas — Data Link

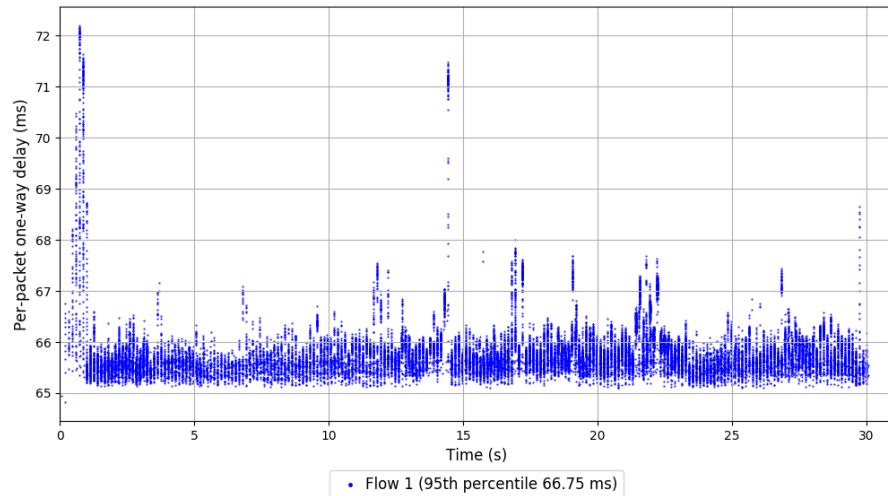
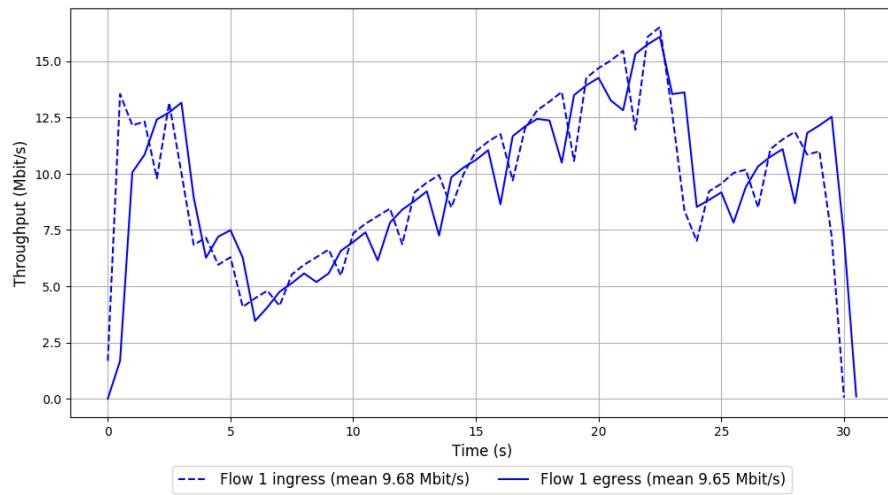


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-05 06:44:47
End at: 2018-06-05 06:45:17
Local clock offset: 6.087 ms
Remote clock offset: -2.595 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 66.750 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 66.750 ms
Loss rate: 0.33%
```

Run 8: Report of TCP Vegas — Data Link

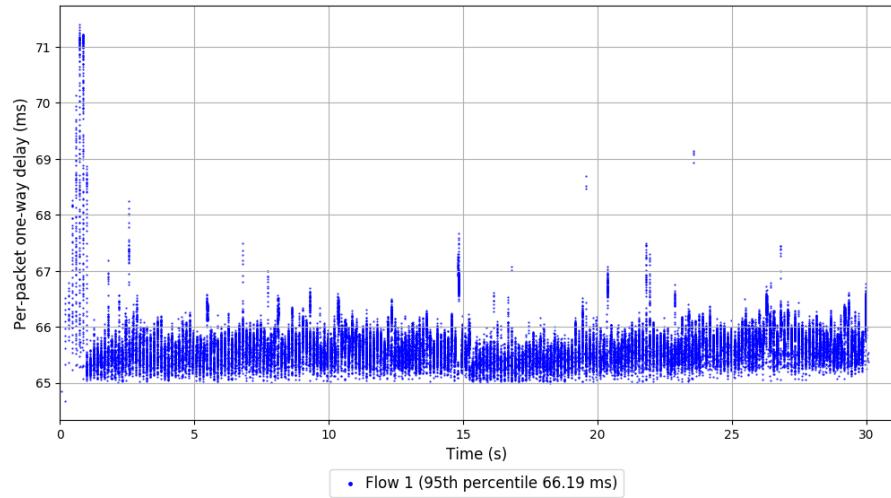
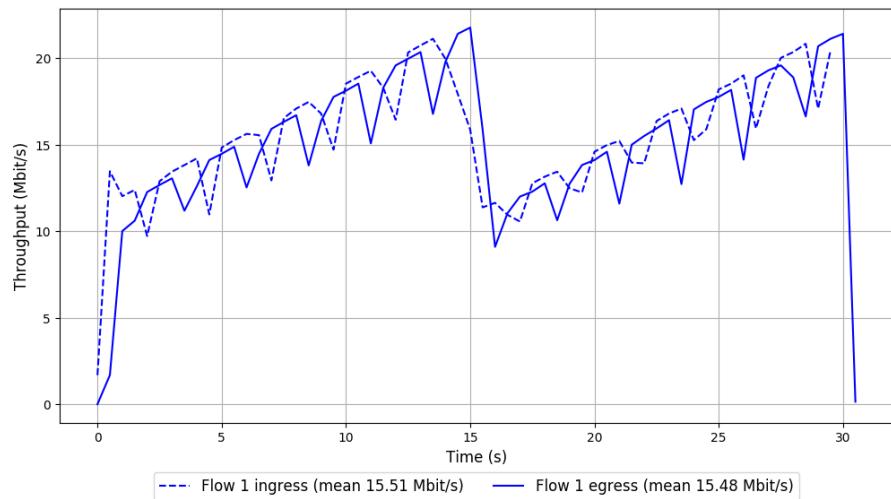


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-05 07:06:49
End at: 2018-06-05 07:07:19
Local clock offset: 5.716 ms
Remote clock offset: -2.082 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 66.190 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 66.190 ms
Loss rate: 0.20%
```

Run 9: Report of TCP Vegas — Data Link

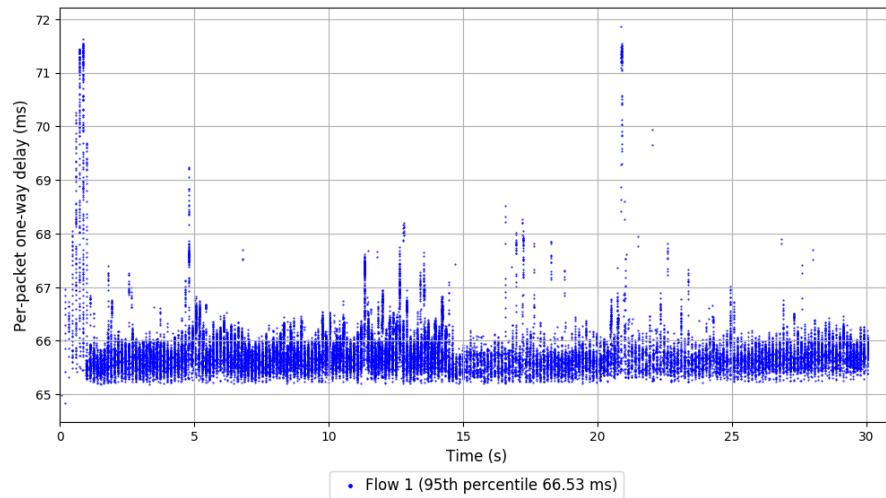
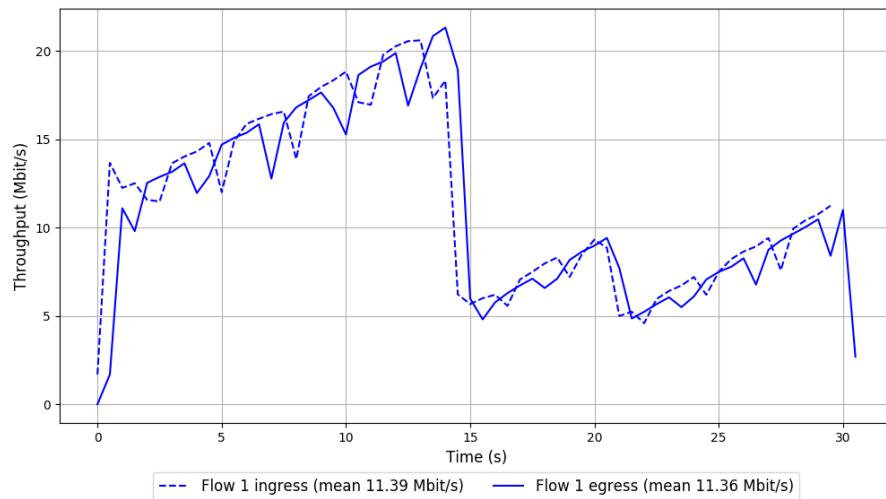


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-05 07:27:44
End at: 2018-06-05 07:28:14
Local clock offset: 7.357 ms
Remote clock offset: -3.539 ms

# Below is generated by plot.py at 2018-06-05 08:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 66.526 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 66.526 ms
Loss rate: 0.31%
```

Run 10: Report of TCP Vegas — Data Link

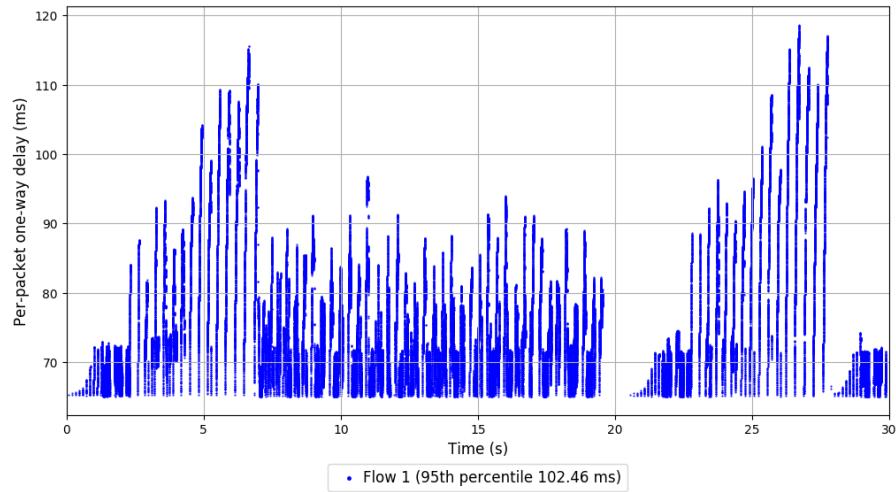
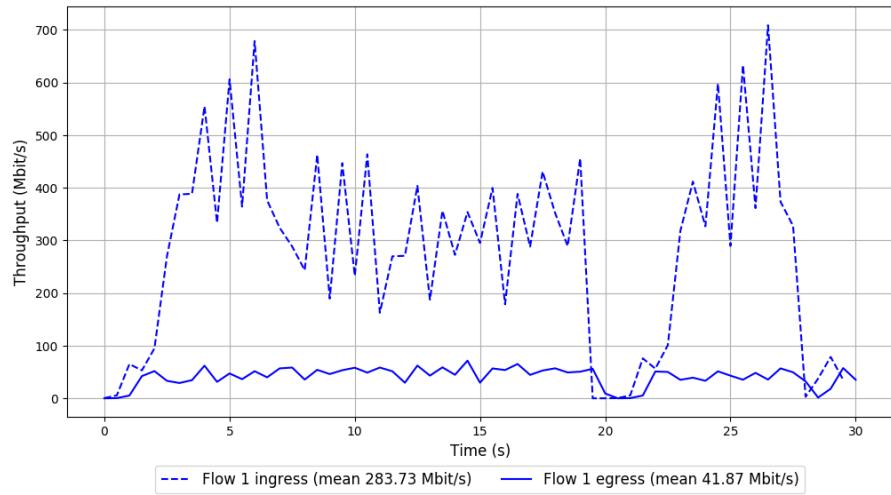


Run 1: Statistics of Verus

```
Start at: 2018-06-05 04:35:13
End at: 2018-06-05 04:35:43
Local clock offset: 6.881 ms
Remote clock offset: -3.874 ms

# Below is generated by plot.py at 2018-06-05 08:03:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 102.461 ms
Loss rate: 85.24%
-- Flow 1:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 102.461 ms
Loss rate: 85.24%
```

Run 1: Report of Verus — Data Link

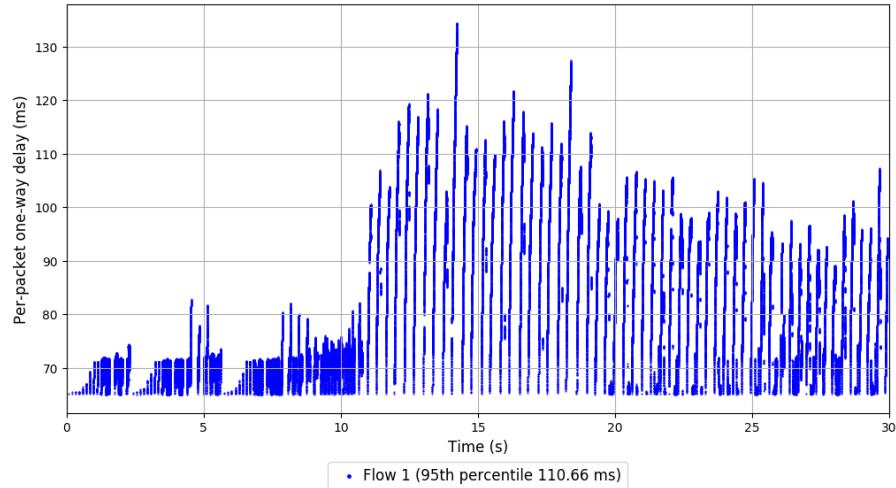
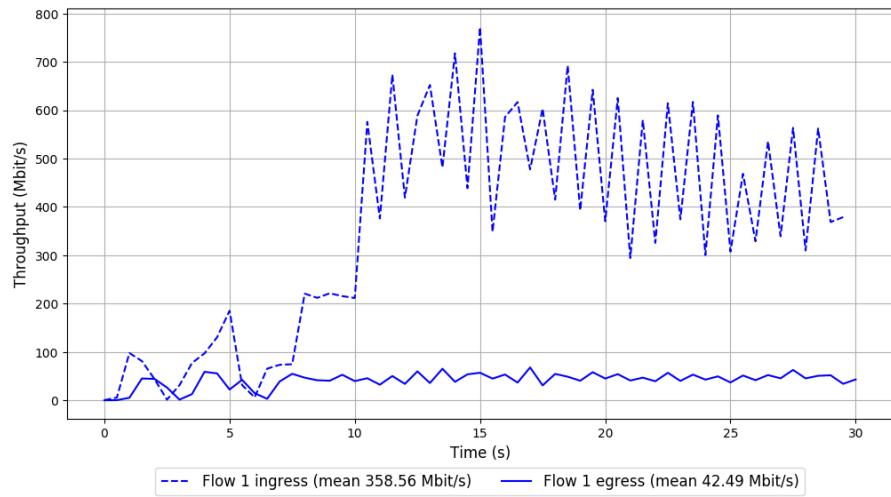


Run 2: Statistics of Verus

```
Start at: 2018-06-05 04:56:06
End at: 2018-06-05 04:56:36
Local clock offset: 5.807 ms
Remote clock offset: -4.647 ms

# Below is generated by plot.py at 2018-06-05 08:03:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 110.658 ms
Loss rate: 88.14%
-- Flow 1:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 110.658 ms
Loss rate: 88.14%
```

Run 2: Report of Verus — Data Link

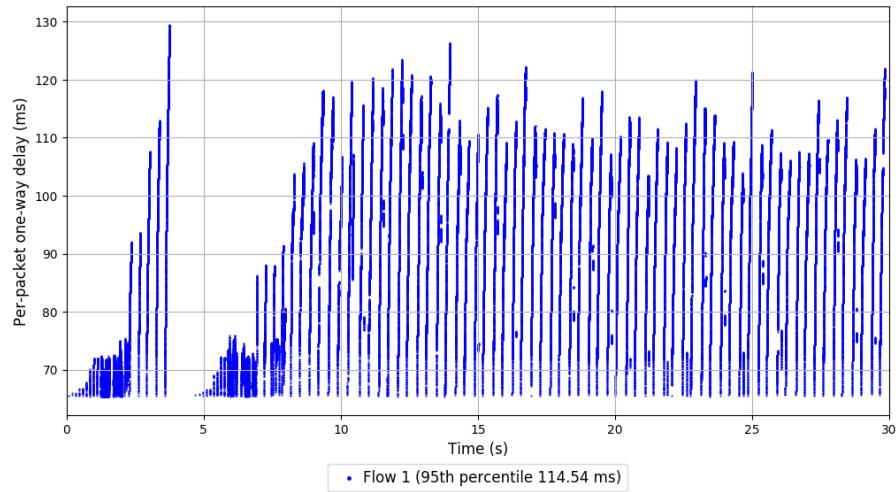
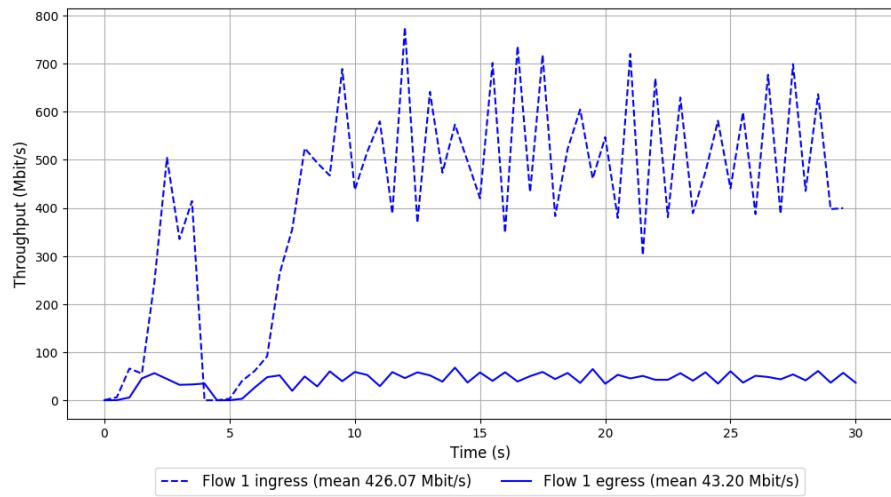


Run 3: Statistics of Verus

```
Start at: 2018-06-05 05:17:14
End at: 2018-06-05 05:17:44
Local clock offset: 6.419 ms
Remote clock offset: -6.184 ms

# Below is generated by plot.py at 2018-06-05 08:03:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 114.544 ms
Loss rate: 89.84%
-- Flow 1:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 114.544 ms
Loss rate: 89.84%
```

Run 3: Report of Verus — Data Link

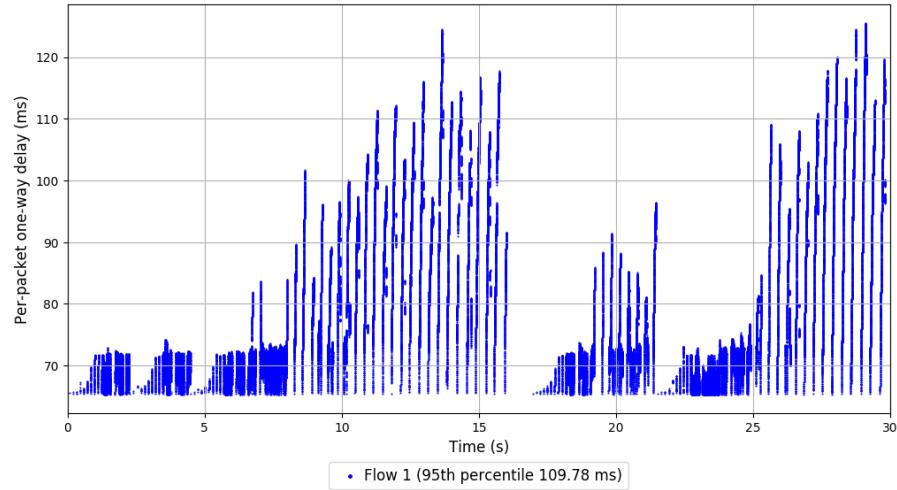
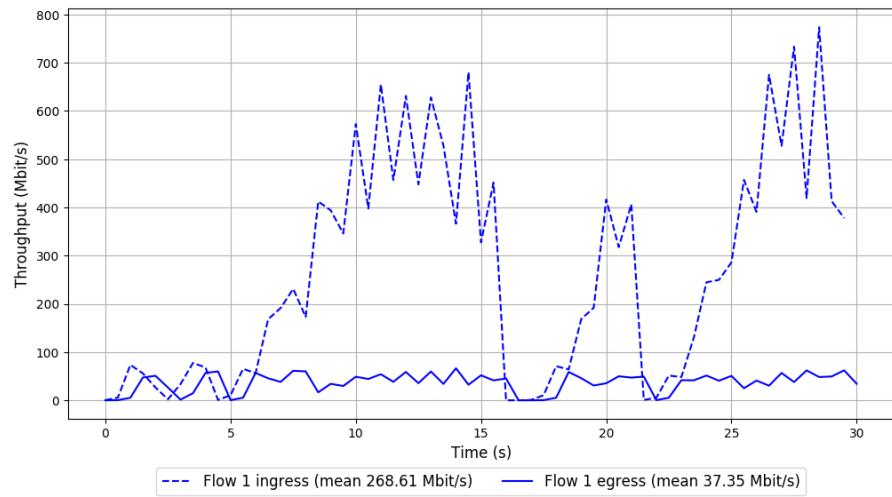


Run 4: Statistics of Verus

```
Start at: 2018-06-05 05:38:08
End at: 2018-06-05 05:38:38
Local clock offset: 7.248 ms
Remote clock offset: -4.147 ms

# Below is generated by plot.py at 2018-06-05 08:03:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 109.779 ms
Loss rate: 86.08%
-- Flow 1:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 109.779 ms
Loss rate: 86.08%
```

Run 4: Report of Verus — Data Link

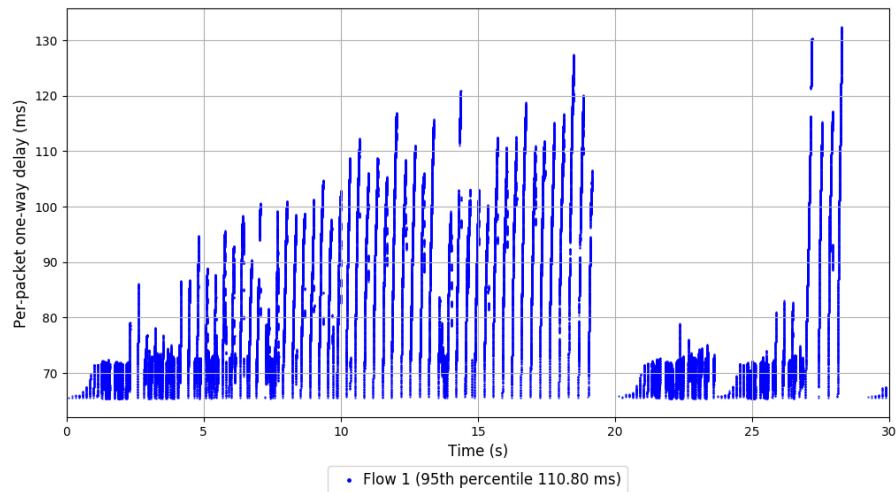
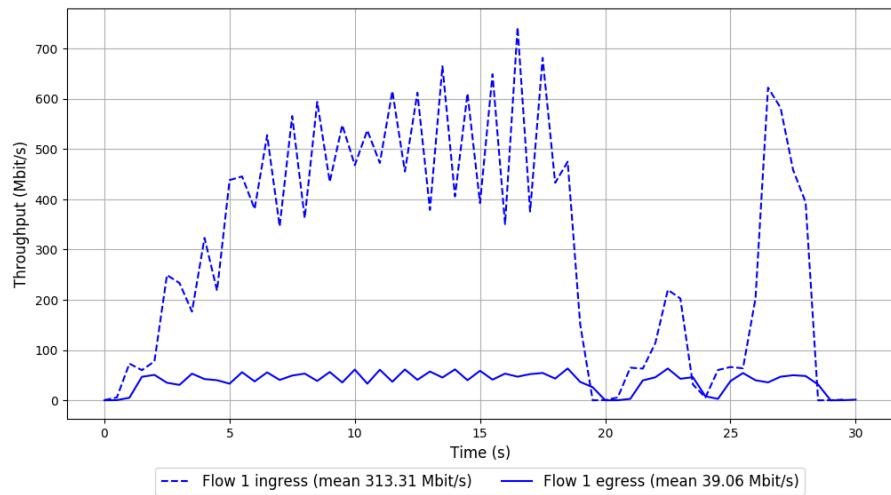


Run 5: Statistics of Verus

```
Start at: 2018-06-05 05:59:05
End at: 2018-06-05 05:59:35
Local clock offset: 7.324 ms
Remote clock offset: -2.83 ms

# Below is generated by plot.py at 2018-06-05 08:03:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 110.800 ms
Loss rate: 87.53%
-- Flow 1:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 110.800 ms
Loss rate: 87.53%
```

Run 5: Report of Verus — Data Link

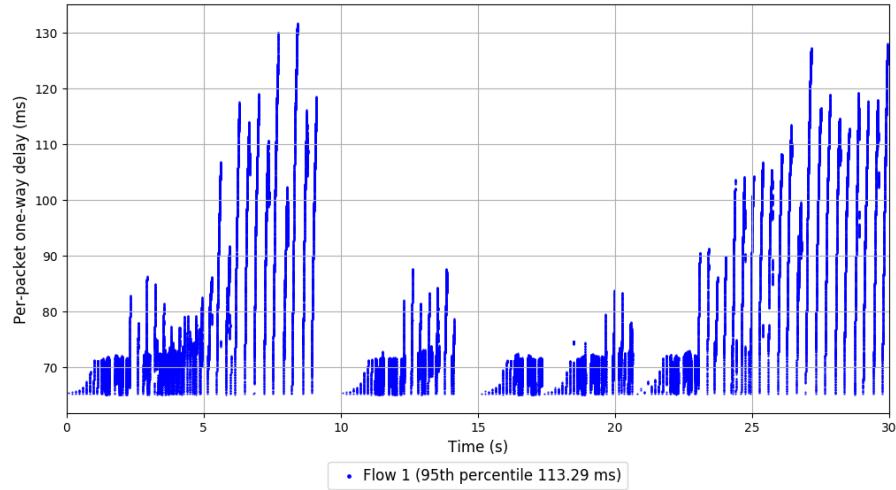
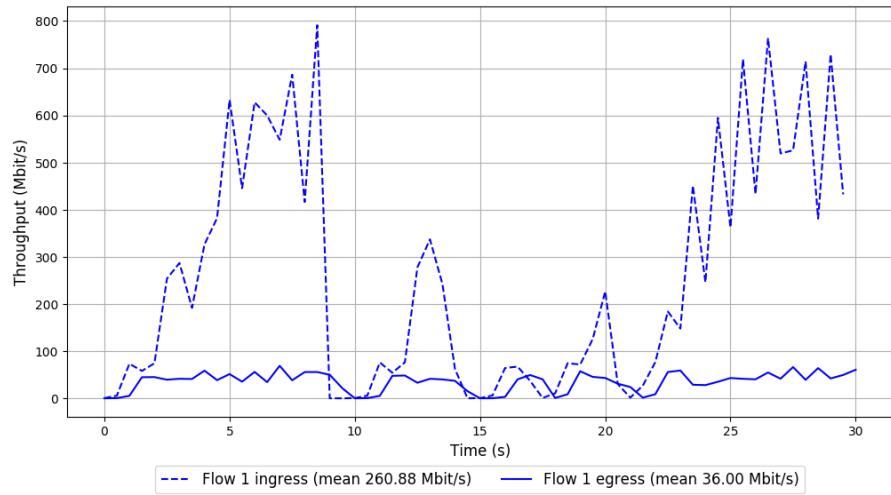


Run 6: Statistics of Verus

```
Start at: 2018-06-05 06:19:58
End at: 2018-06-05 06:20:28
Local clock offset: 6.766 ms
Remote clock offset: -2.784 ms

# Below is generated by plot.py at 2018-06-05 08:03:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 113.287 ms
Loss rate: 86.17%
-- Flow 1:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 113.287 ms
Loss rate: 86.17%
```

Run 6: Report of Verus — Data Link

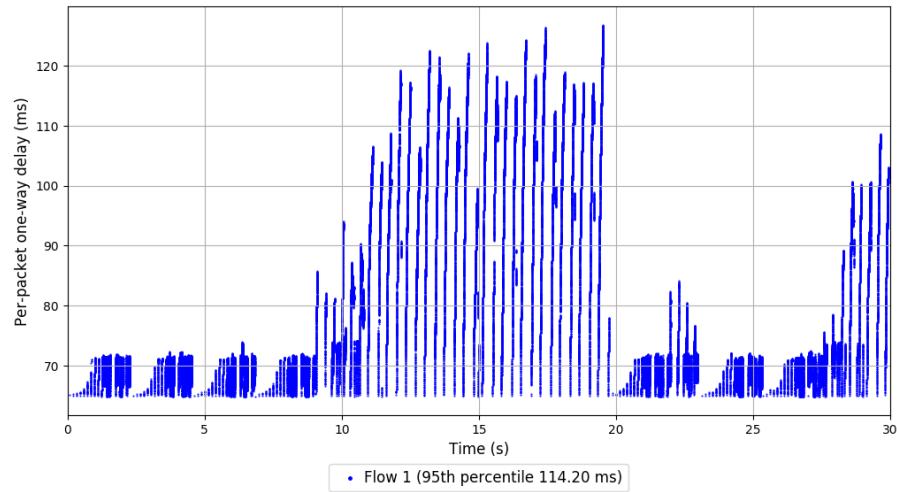
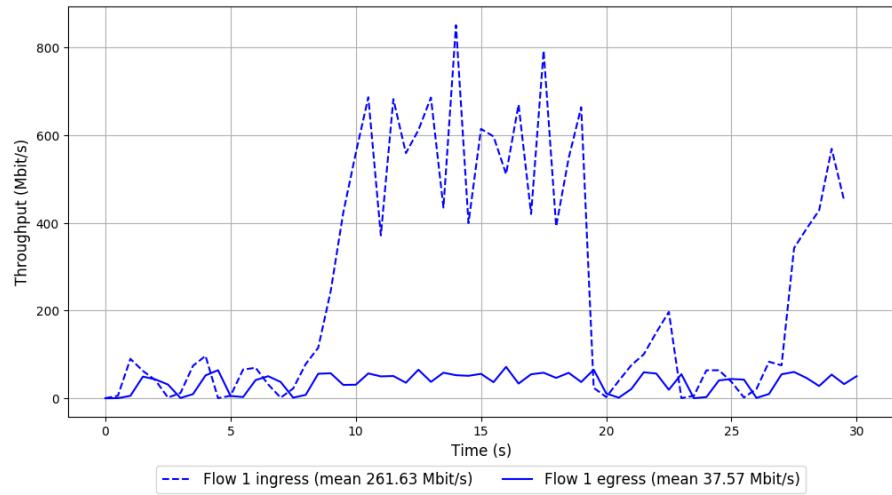


Run 7: Statistics of Verus

```
Start at: 2018-06-05 06:40:49
End at: 2018-06-05 06:41:19
Local clock offset: 6.519 ms
Remote clock offset: -2.551 ms

# Below is generated by plot.py at 2018-06-05 08:03:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 114.205 ms
Loss rate: 85.62%
-- Flow 1:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 114.205 ms
Loss rate: 85.62%
```

Run 7: Report of Verus — Data Link

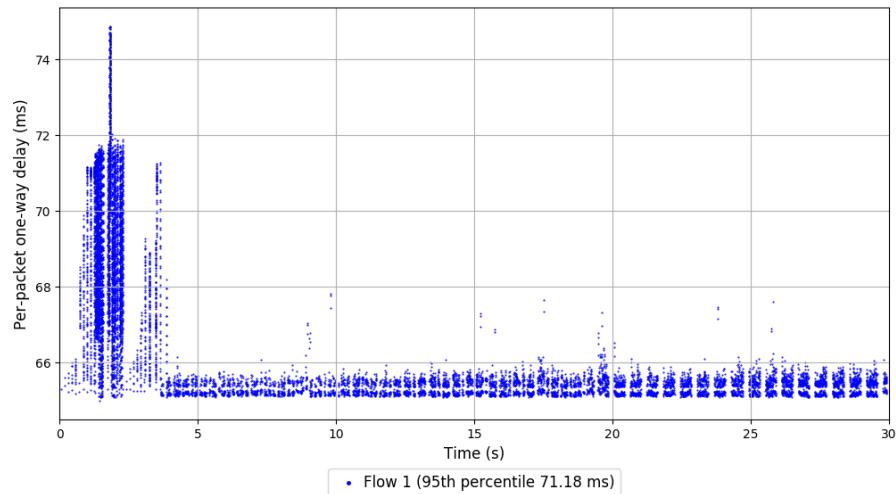
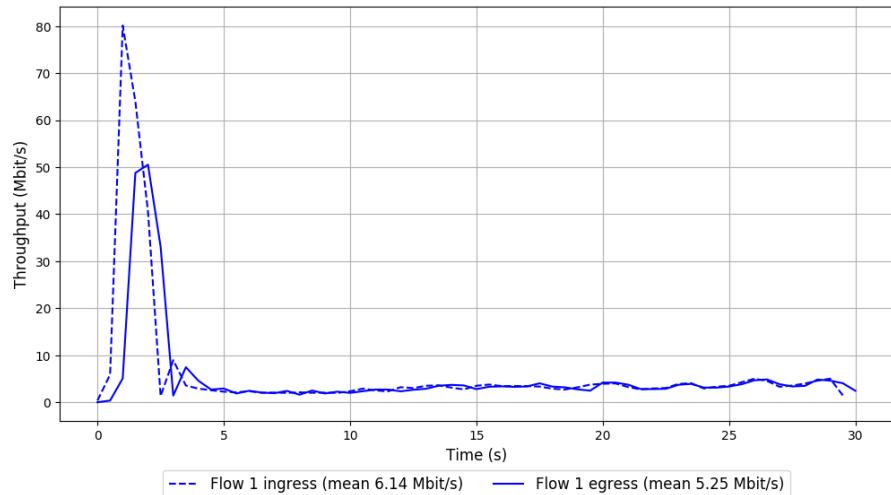


Run 8: Statistics of Verus

```
Start at: 2018-06-05 07:02:39
End at: 2018-06-05 07:03:09
Local clock offset: 5.641 ms
Remote clock offset: -2.056 ms

# Below is generated by plot.py at 2018-06-05 08:03:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 71.176 ms
Loss rate: 14.54%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 71.176 ms
Loss rate: 14.54%
```

Run 8: Report of Verus — Data Link

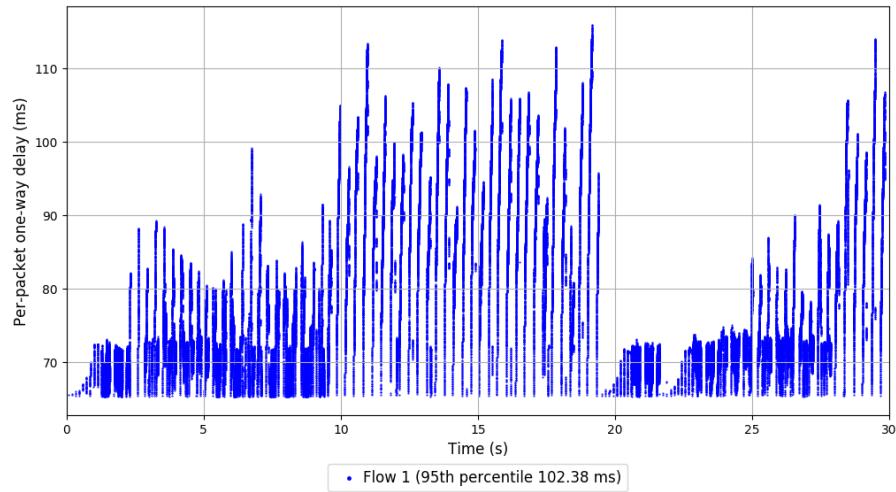
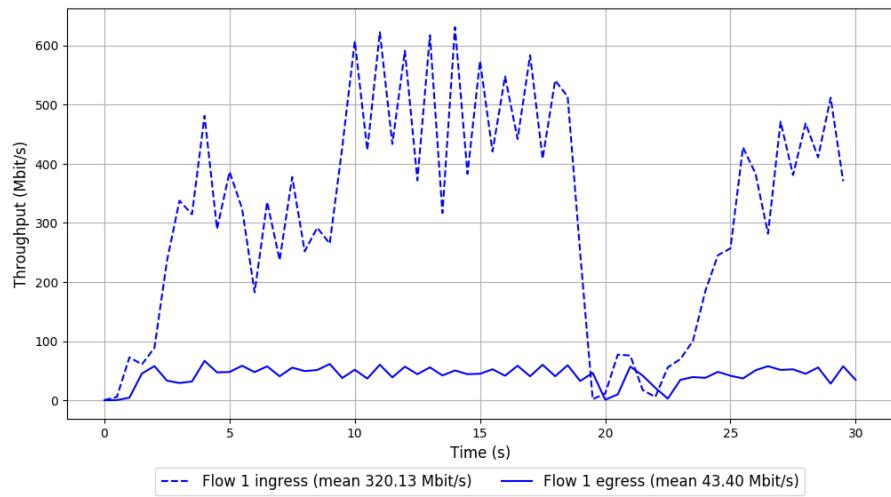


Run 9: Statistics of Verus

```
Start at: 2018-06-05 07:23:45
End at: 2018-06-05 07:24:15
Local clock offset: 7.276 ms
Remote clock offset: -3.44 ms

# Below is generated by plot.py at 2018-06-05 08:04:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.40 Mbit/s
95th percentile per-packet one-way delay: 102.376 ms
Loss rate: 86.43%
-- Flow 1:
Average throughput: 43.40 Mbit/s
95th percentile per-packet one-way delay: 102.376 ms
Loss rate: 86.43%
```

Run 9: Report of Verus — Data Link

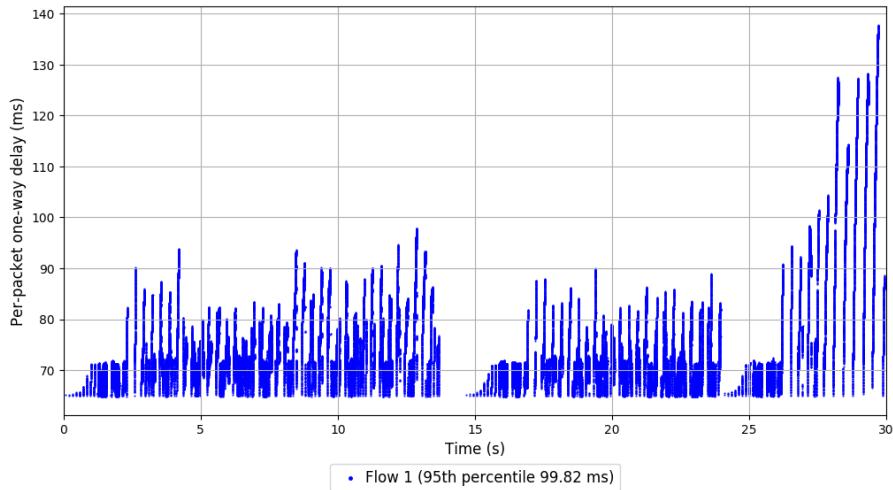
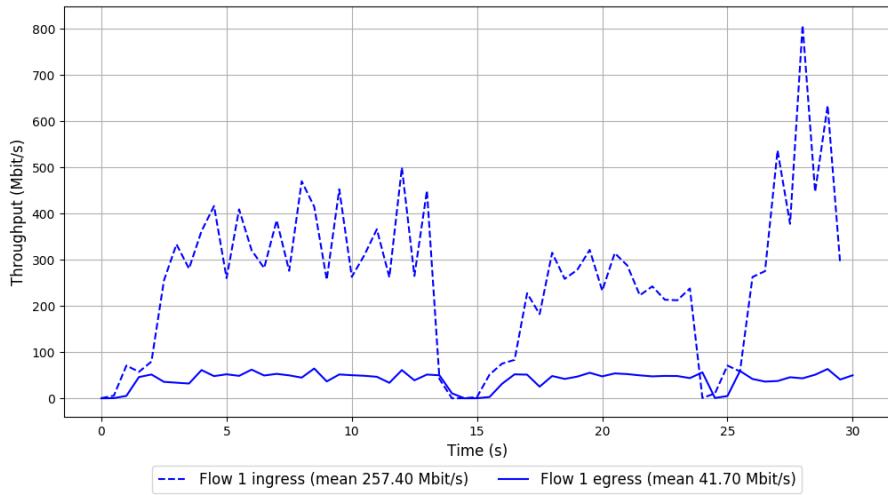


Run 10: Statistics of Verus

```
Start at: 2018-06-05 07:44:37
End at: 2018-06-05 07:45:07
Local clock offset: 7.819 ms
Remote clock offset: -3.732 ms

# Below is generated by plot.py at 2018-06-05 08:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.70 Mbit/s
95th percentile per-packet one-way delay: 99.816 ms
Loss rate: 83.79%
-- Flow 1:
Average throughput: 41.70 Mbit/s
95th percentile per-packet one-way delay: 99.816 ms
Loss rate: 83.79%
```

Run 10: Report of Verus — Data Link

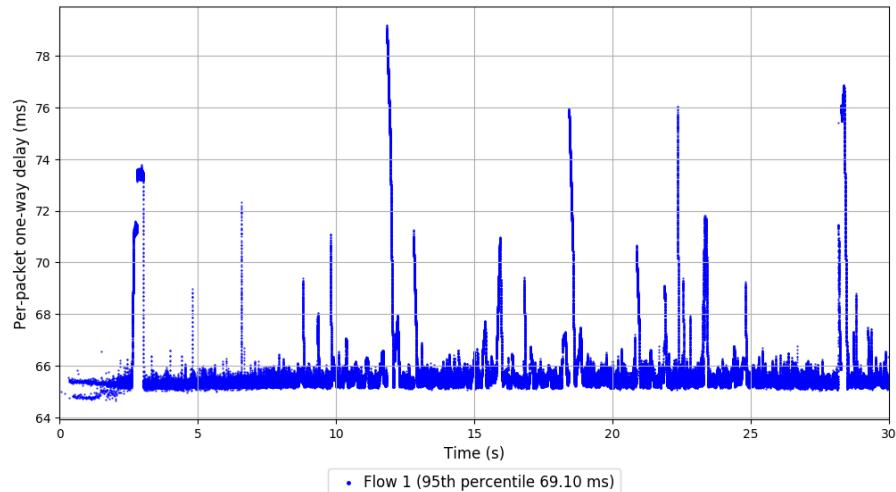
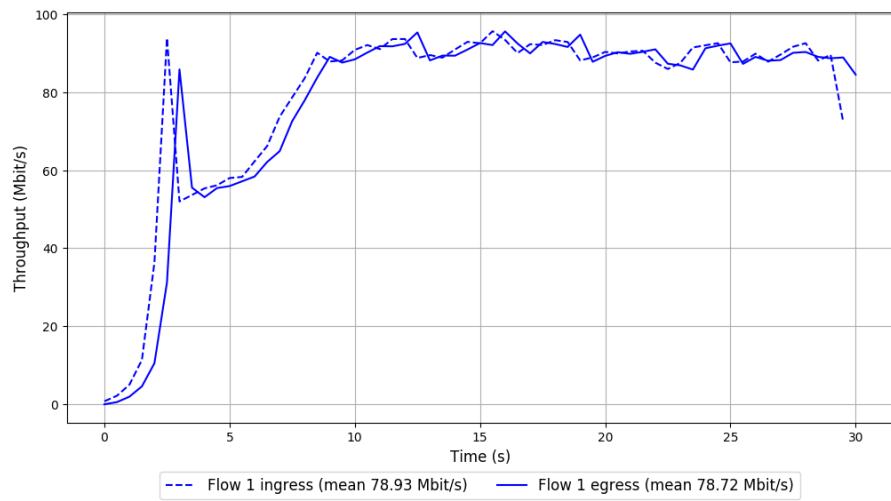


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 04:24:40
End at: 2018-06-05 04:25:10
Local clock offset: 7.299 ms
Remote clock offset: -4.794 ms

# Below is generated by plot.py at 2018-06-05 08:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 69.098 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 69.098 ms
Loss rate: 0.26%
```

Run 1: Report of PCC-Vivace — Data Link

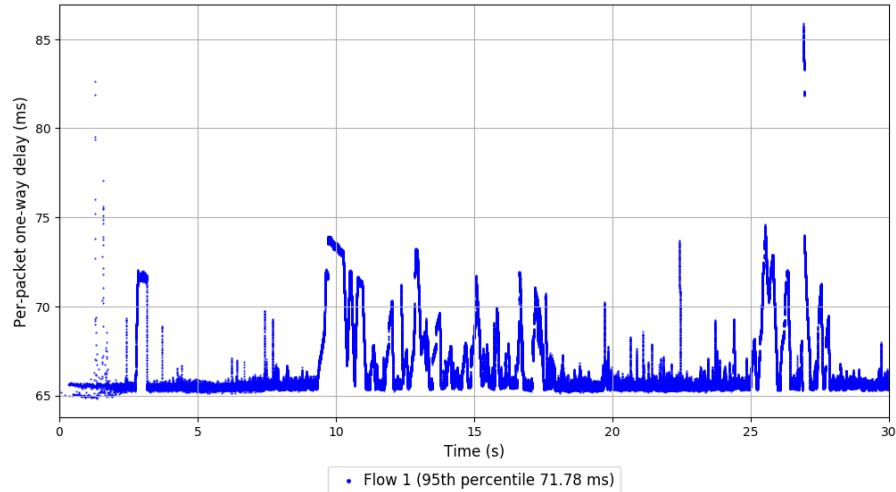
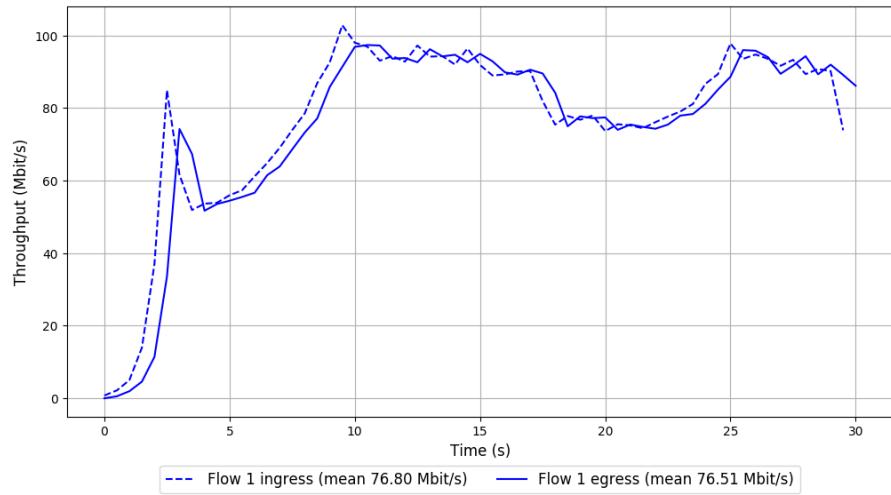


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-05 04:45:33
End at: 2018-06-05 04:46:03
Local clock offset: 6.243 ms
Remote clock offset: -3.476 ms

# Below is generated by plot.py at 2018-06-05 08:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 71.777 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 71.777 ms
Loss rate: 0.38%
```

Run 2: Report of PCC-Vivace — Data Link

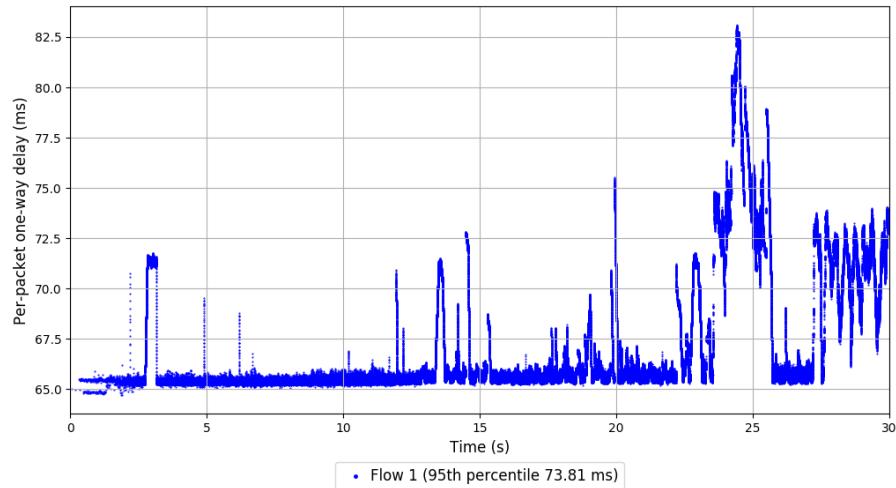
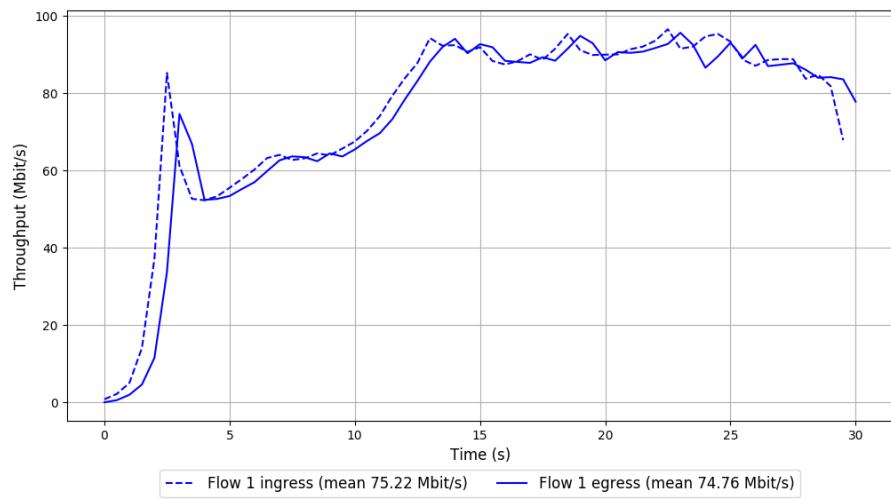


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-05 05:06:30
End at: 2018-06-05 05:07:00
Local clock offset: 5.318 ms
Remote clock offset: -5.798 ms

# Below is generated by plot.py at 2018-06-05 08:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.76 Mbit/s
95th percentile per-packet one-way delay: 73.810 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 74.76 Mbit/s
95th percentile per-packet one-way delay: 73.810 ms
Loss rate: 0.59%
```

Run 3: Report of PCC-Vivace — Data Link

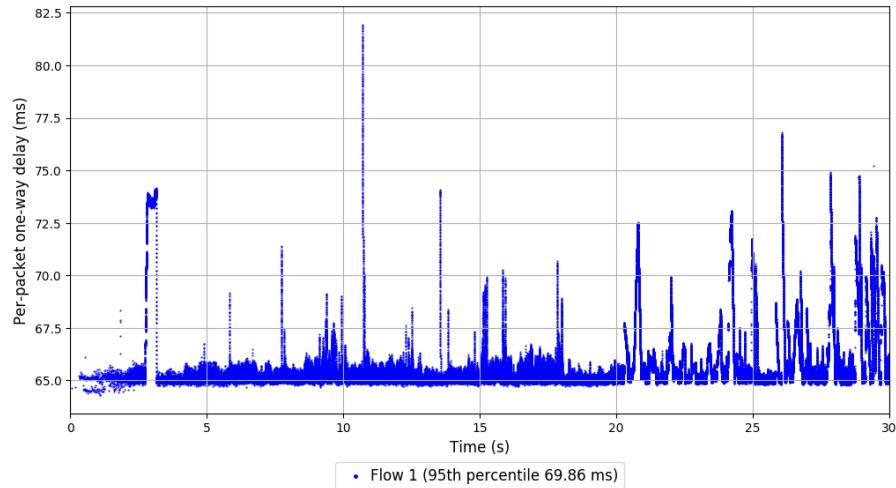
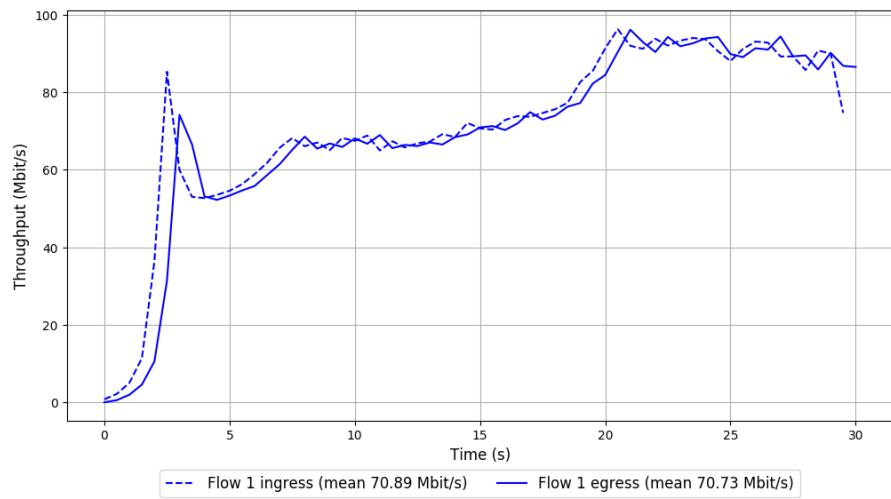


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-05 05:27:35
End at: 2018-06-05 05:28:05
Local clock offset: 7.141 ms
Remote clock offset: -5.786 ms

# Below is generated by plot.py at 2018-06-05 08:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 69.862 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 69.862 ms
Loss rate: 0.23%
```

Run 4: Report of PCC-Vivace — Data Link

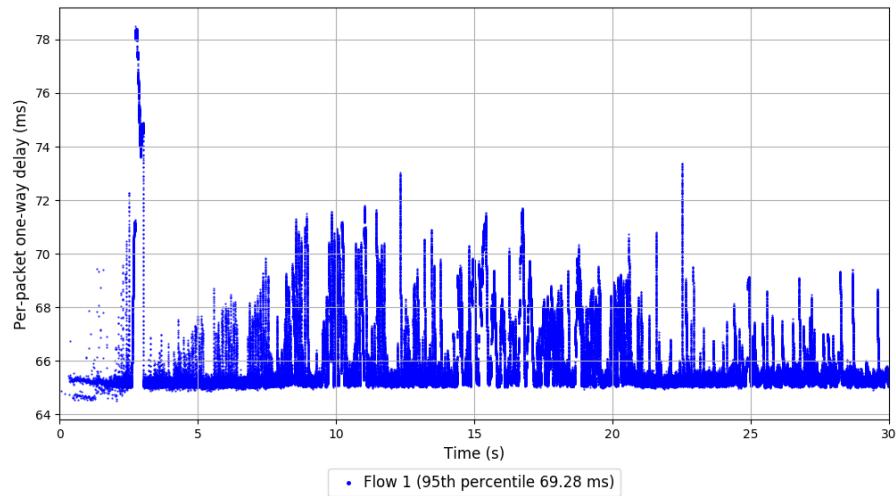
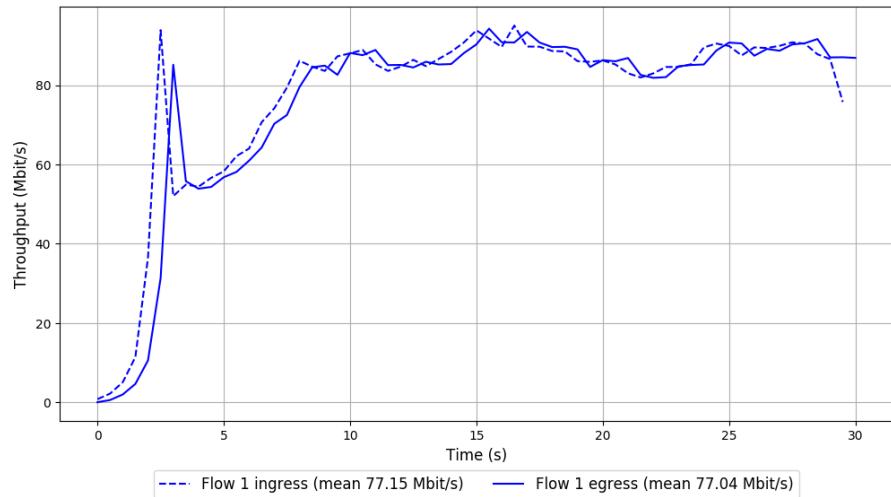


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-05 05:48:31
End at: 2018-06-05 05:49:01
Local clock offset: 7.399 ms
Remote clock offset: -3.416 ms

# Below is generated by plot.py at 2018-06-05 08:04:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.04 Mbit/s
95th percentile per-packet one-way delay: 69.275 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 77.04 Mbit/s
95th percentile per-packet one-way delay: 69.275 ms
Loss rate: 0.14%
```

Run 5: Report of PCC-Vivace — Data Link

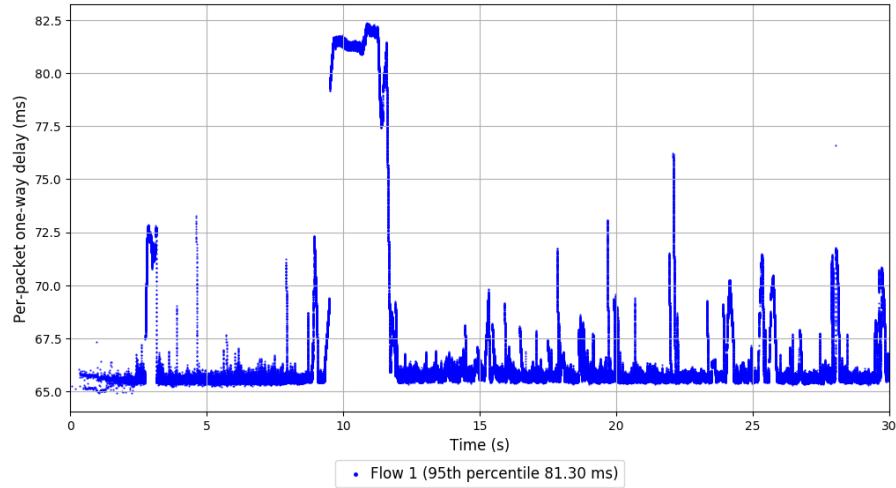
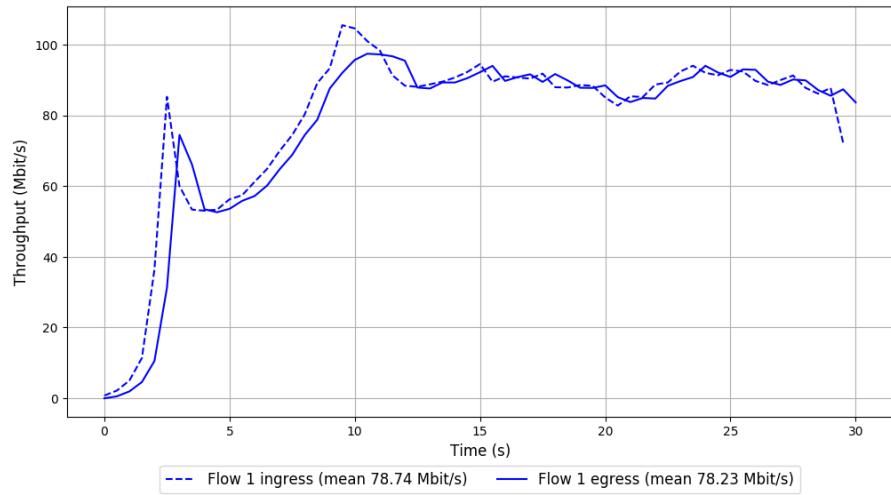


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-05 06:09:25
End at: 2018-06-05 06:09:55
Local clock offset: 7.407 ms
Remote clock offset: -2.988 ms

# Below is generated by plot.py at 2018-06-05 08:05:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 81.297 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 81.297 ms
Loss rate: 0.64%
```

Run 6: Report of PCC-Vivace — Data Link

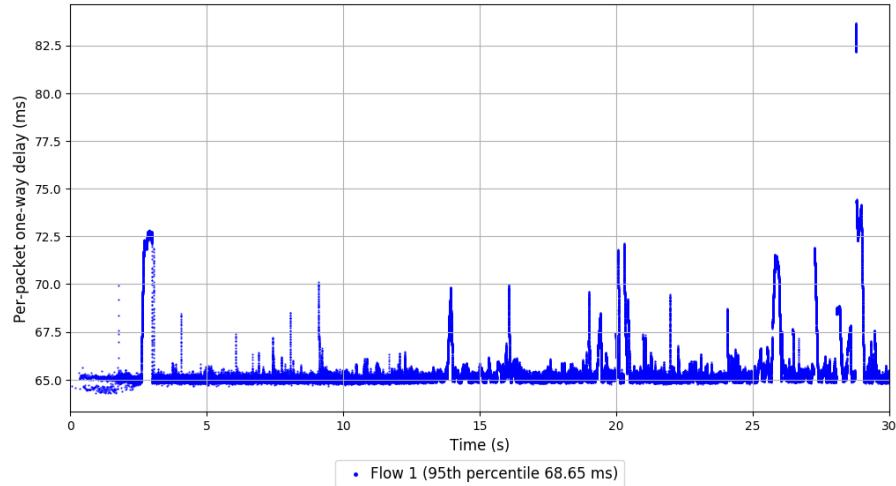
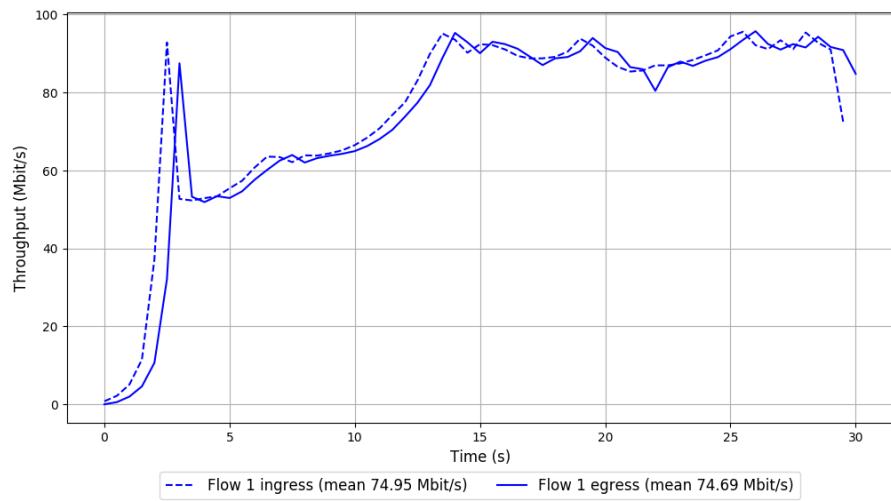


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-05 06:30:16
End at: 2018-06-05 06:30:46
Local clock offset: 6.758 ms
Remote clock offset: -2.434 ms

# Below is generated by plot.py at 2018-06-05 08:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 68.648 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 68.648 ms
Loss rate: 0.34%
```

Run 7: Report of PCC-Vivace — Data Link

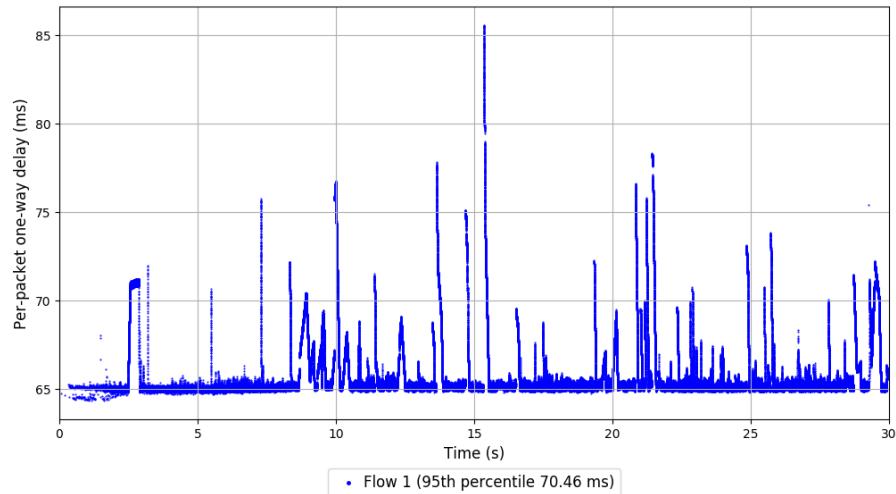
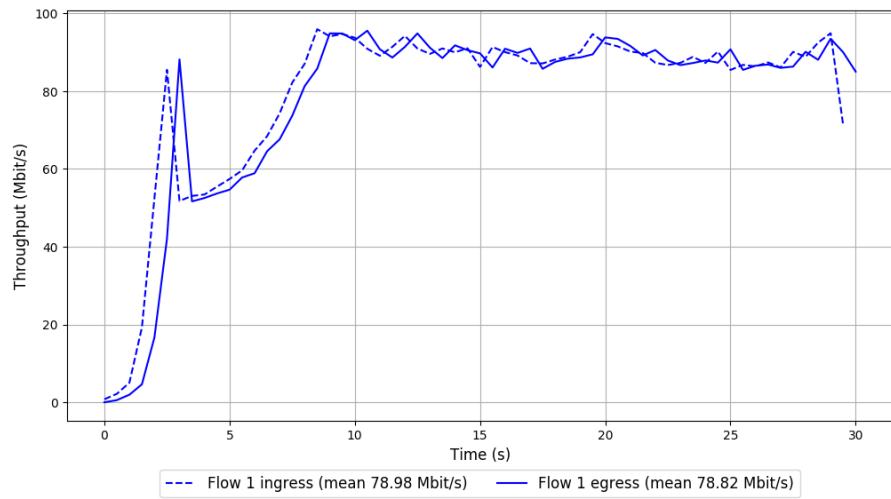


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-05 06:51:07
End at: 2018-06-05 06:51:37
Local clock offset: 6.061 ms
Remote clock offset: -2.489 ms

# Below is generated by plot.py at 2018-06-05 08:05:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 70.456 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 70.456 ms
Loss rate: 0.20%
```

Run 8: Report of PCC-Vivace — Data Link

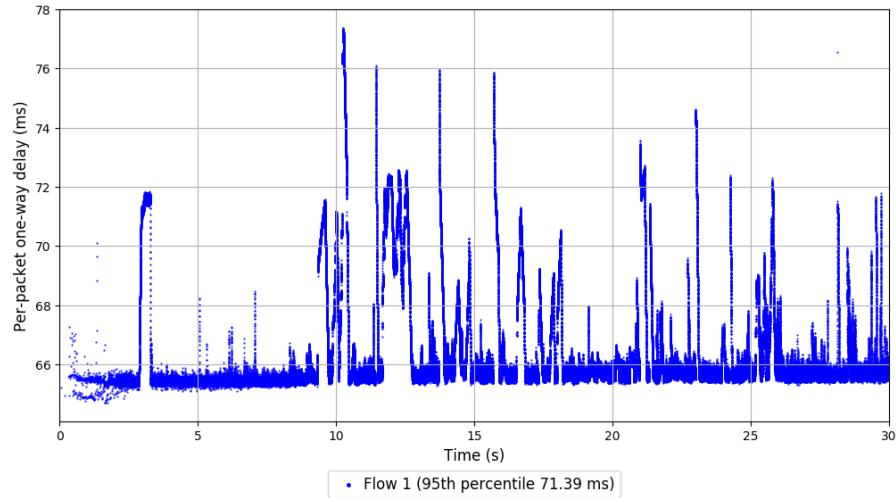
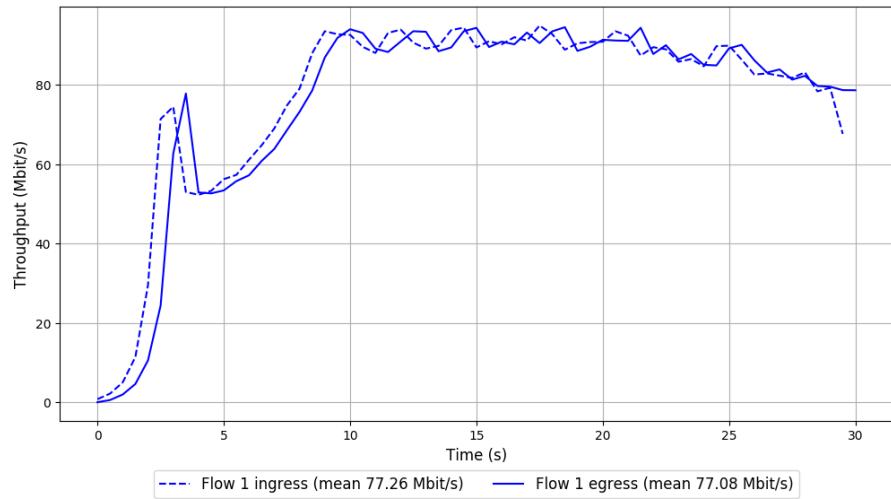


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-05 07:13:11
End at: 2018-06-05 07:13:41
Local clock offset: 6.149 ms
Remote clock offset: -2.852 ms

# Below is generated by plot.py at 2018-06-05 08:05:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 71.385 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 71.385 ms
Loss rate: 0.23%
```

Run 9: Report of PCC-Vivace — Data Link

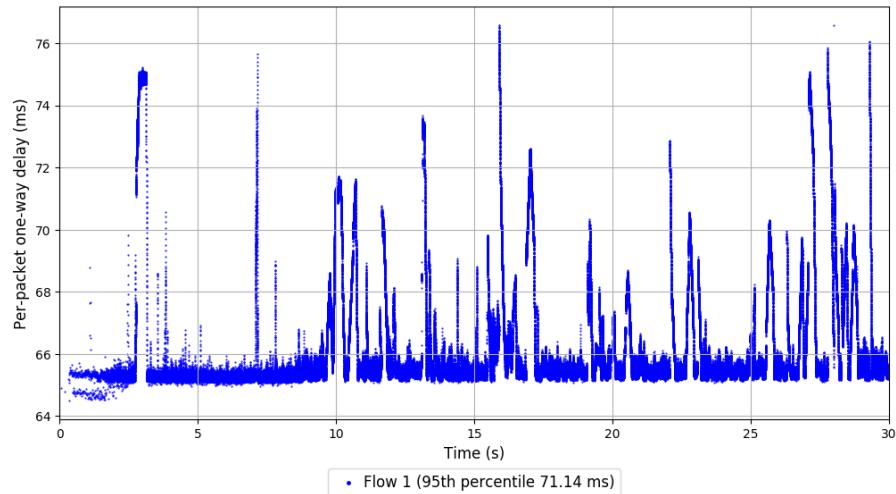
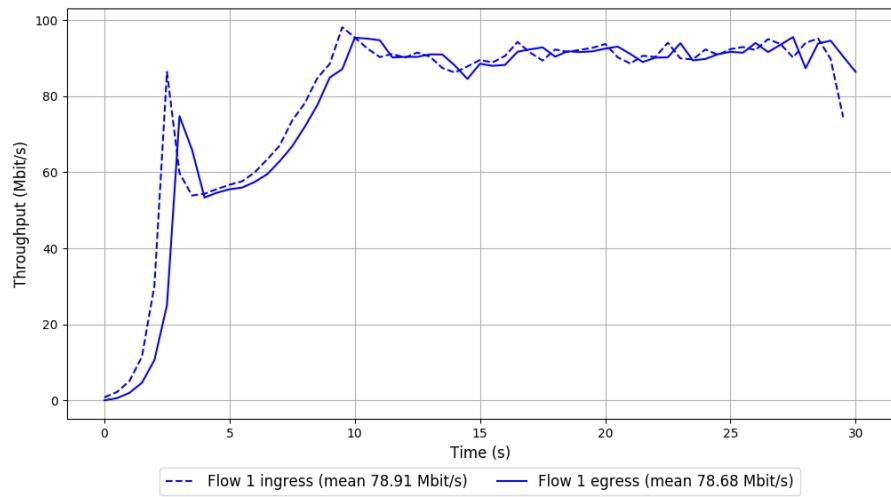


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-05 07:34:05
End at: 2018-06-05 07:34:35
Local clock offset: 7.599 ms
Remote clock offset: -3.636 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.68 Mbit/s
95th percentile per-packet one-way delay: 71.137 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 78.68 Mbit/s
95th percentile per-packet one-way delay: 71.137 ms
Loss rate: 0.29%
```

Run 10: Report of PCC-Vivace — Data Link

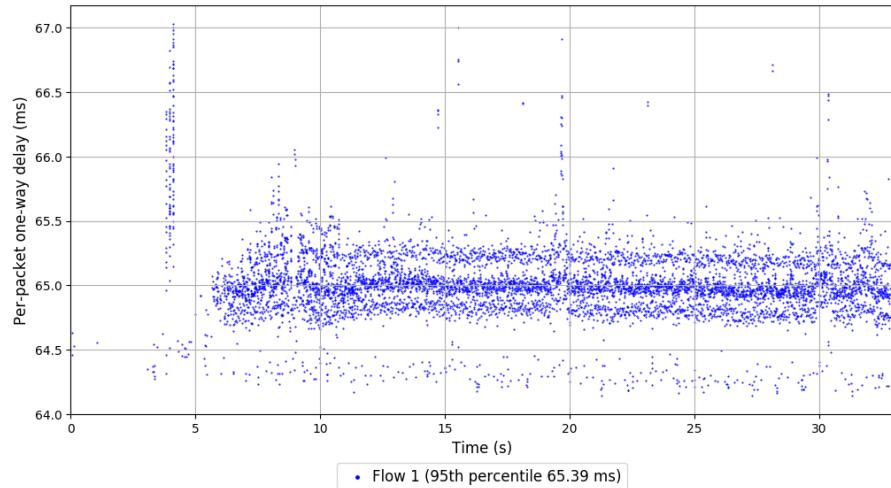
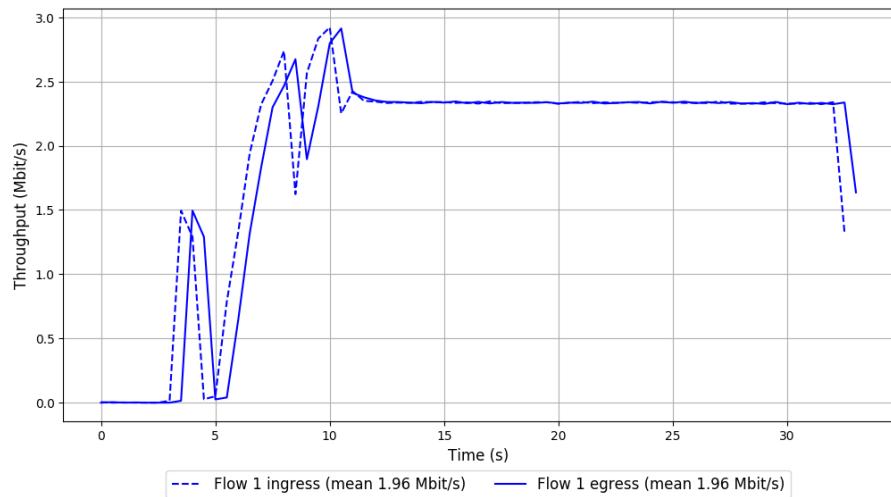


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 04:23:24
End at: 2018-06-05 04:23:54
Local clock offset: 7.237 ms
Remote clock offset: -5.081 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 65.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 65.390 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

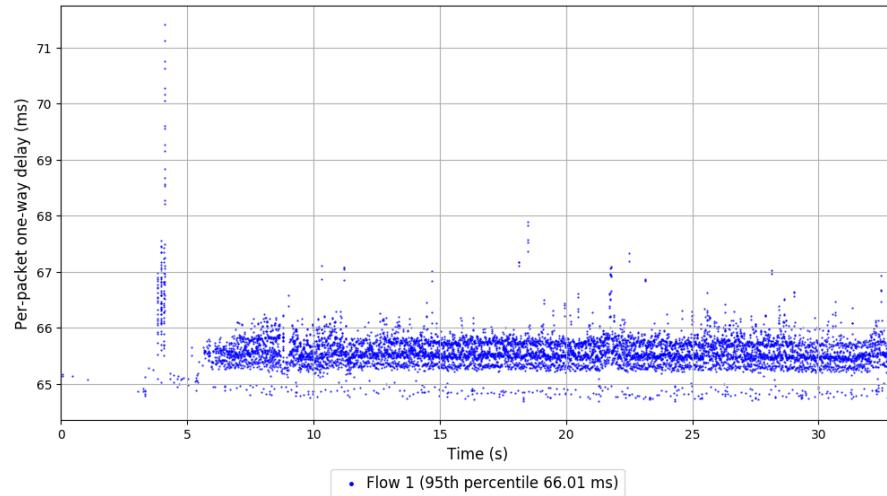
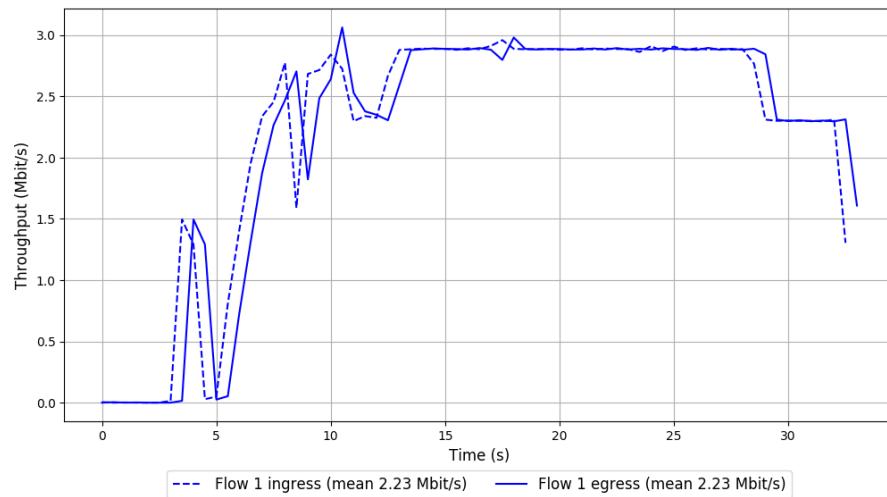


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-05 04:44:17
End at: 2018-06-05 04:44:47
Local clock offset: 6.349 ms
Remote clock offset: -3.483 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 66.010 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 66.010 ms
Loss rate: 0.08%
```

Run 2: Report of WebRTC media — Data Link

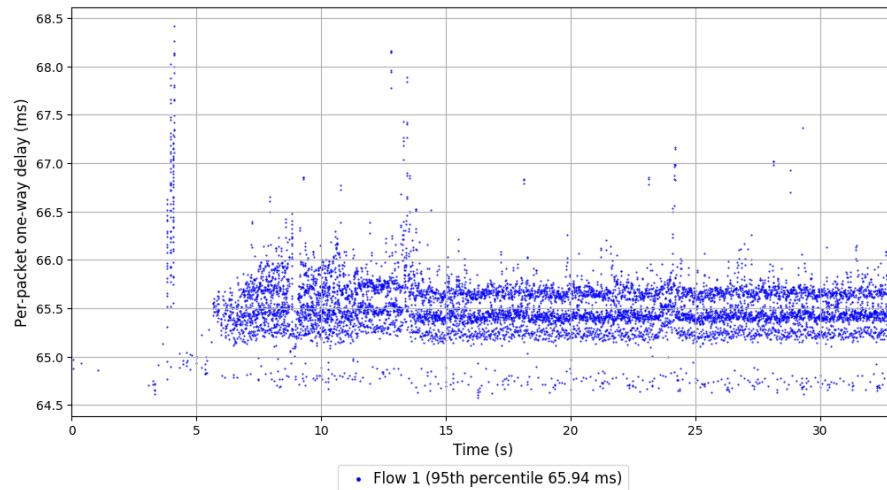
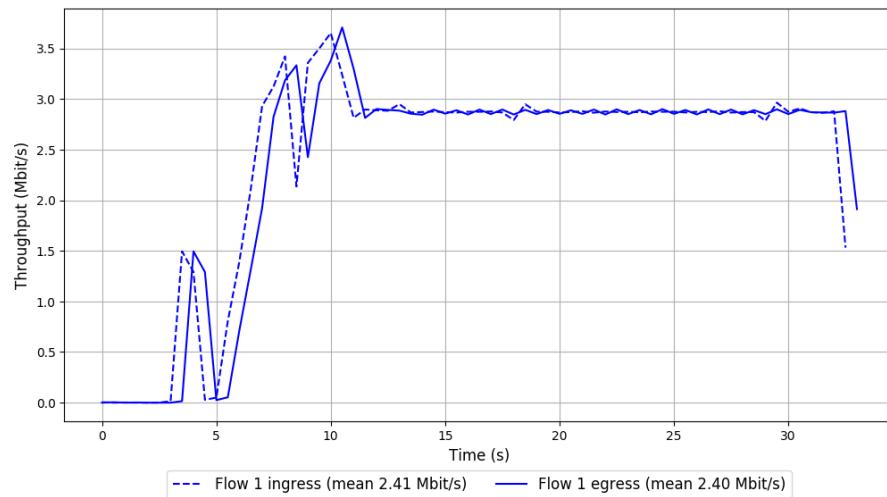


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-05 05:05:15
End at: 2018-06-05 05:05:45
Local clock offset: 5.27 ms
Remote clock offset: -5.769 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 65.936 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 65.936 ms
Loss rate: 0.09%
```

Run 3: Report of WebRTC media — Data Link

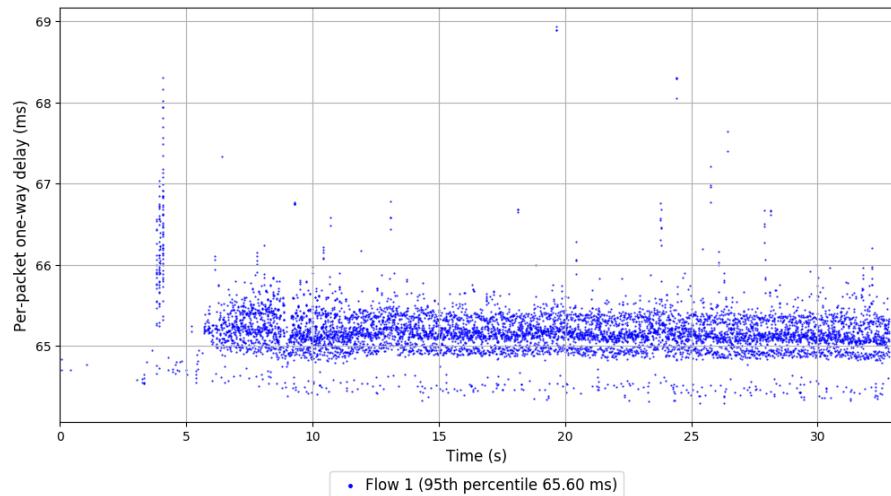
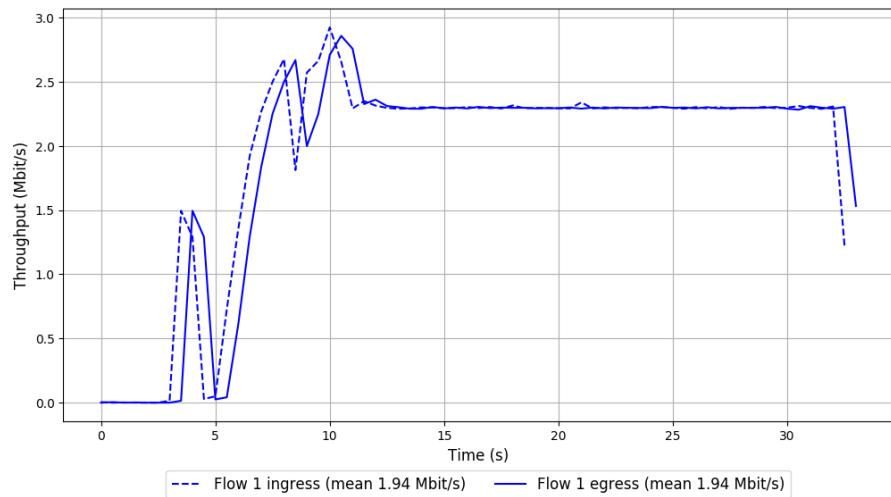


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-05 05:26:19
End at: 2018-06-05 05:26:49
Local clock offset: 7.041 ms
Remote clock offset: -6.04 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 65.604 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 65.604 ms
Loss rate: 0.06%
```

Run 4: Report of WebRTC media — Data Link

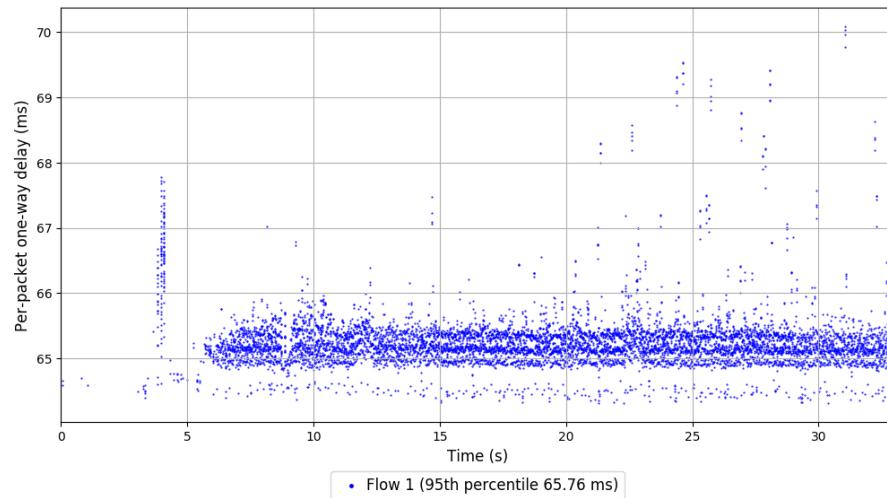
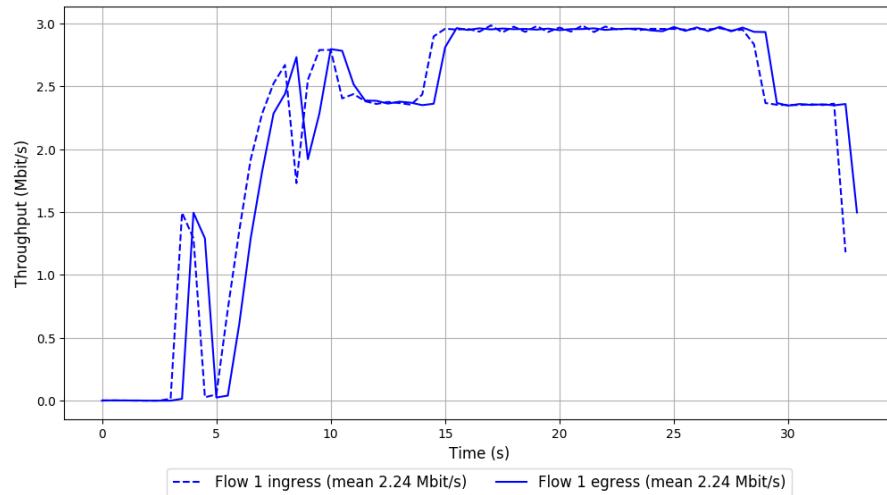


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-05 05:47:15
End at: 2018-06-05 05:47:45
Local clock offset: 7.386 ms
Remote clock offset: -3.578 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 65.758 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 65.758 ms
Loss rate: 0.05%
```

Run 5: Report of WebRTC media — Data Link

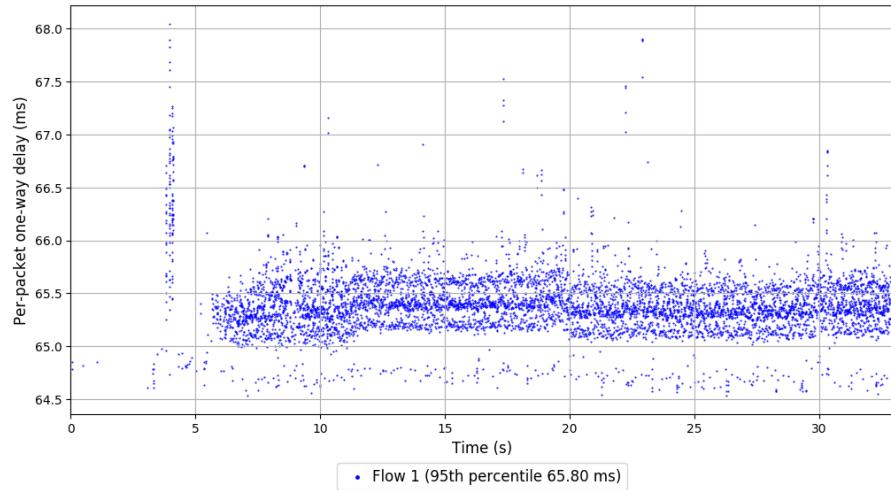
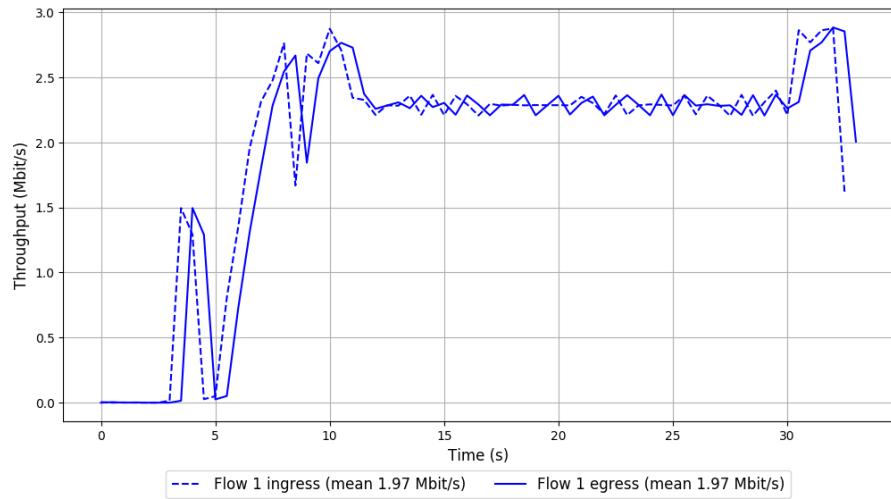


Run 6: Statistics of WebRTC media

```
Start at: 2018-06-05 06:08:09
End at: 2018-06-05 06:08:39
Local clock offset: 7.517 ms
Remote clock offset: -3.086 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 65.803 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 65.803 ms
Loss rate: 0.04%
```

Run 6: Report of WebRTC media — Data Link

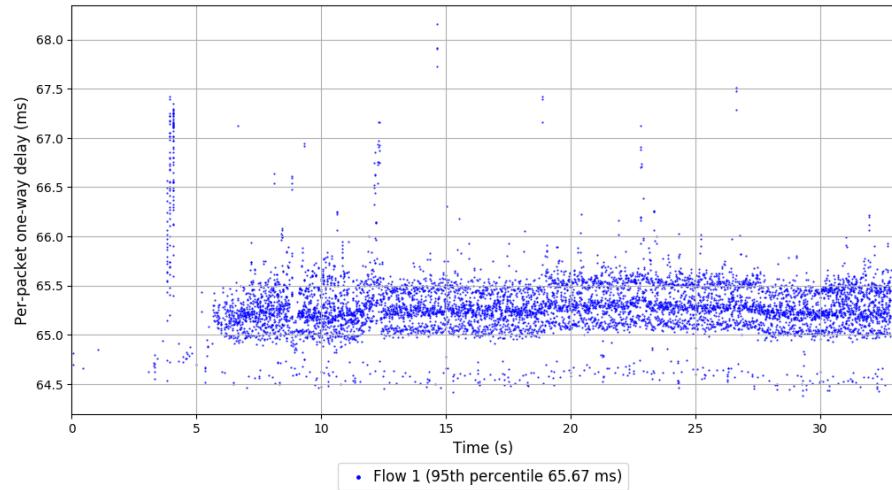
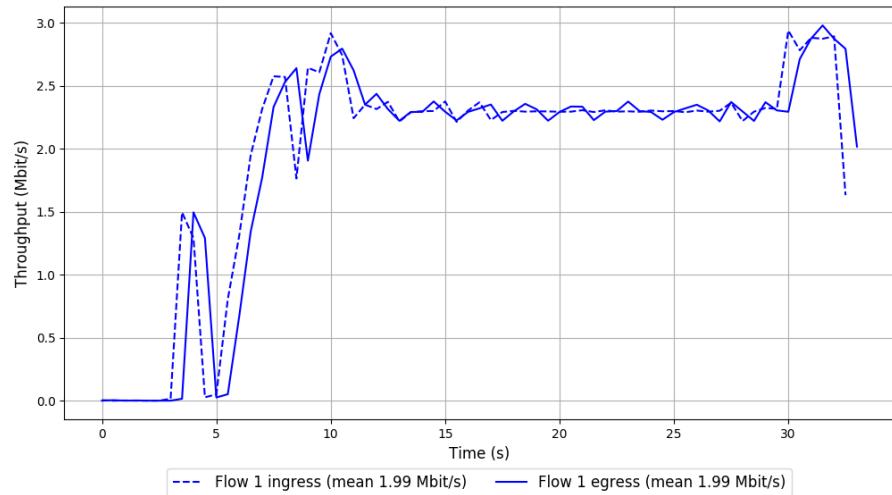


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-05 06:29:01
End at: 2018-06-05 06:29:31
Local clock offset: 6.779 ms
Remote clock offset: -2.624 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 65.674 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 65.674 ms
Loss rate: 0.01%
```

Run 7: Report of WebRTC media — Data Link

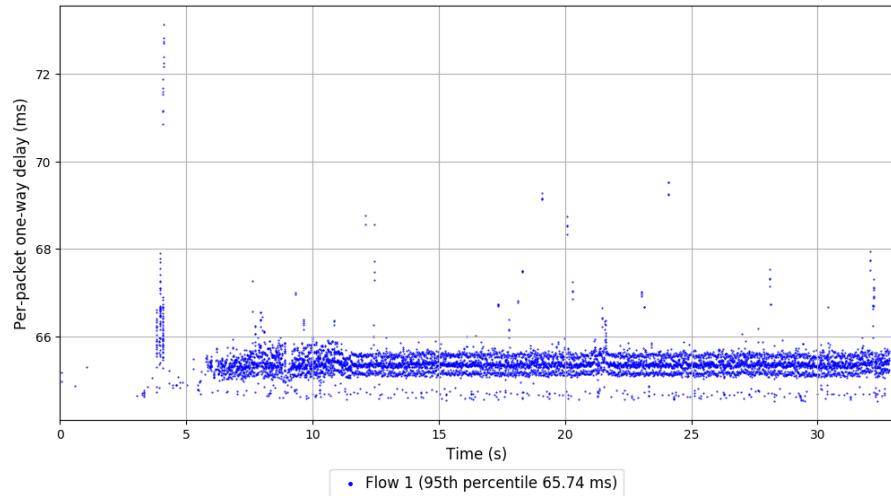
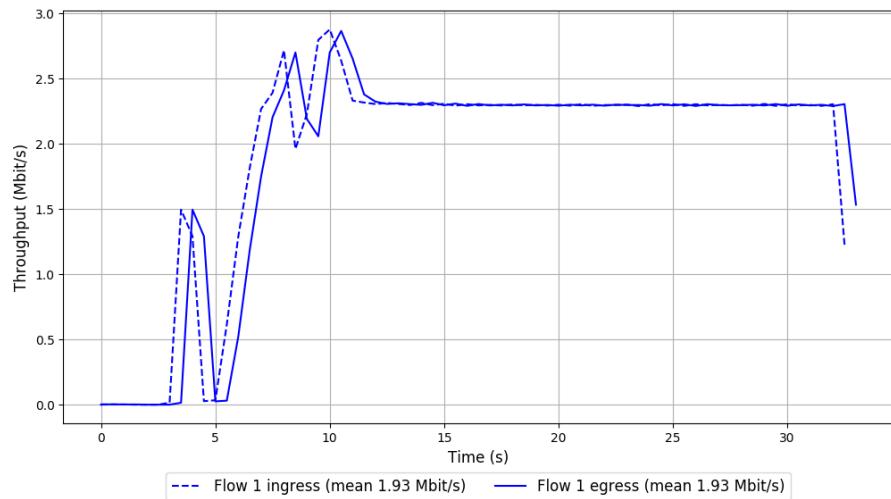


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-05 06:49:51
End at: 2018-06-05 06:50:21
Local clock offset: 6.114 ms
Remote clock offset: -2.43 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 65.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 65.743 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

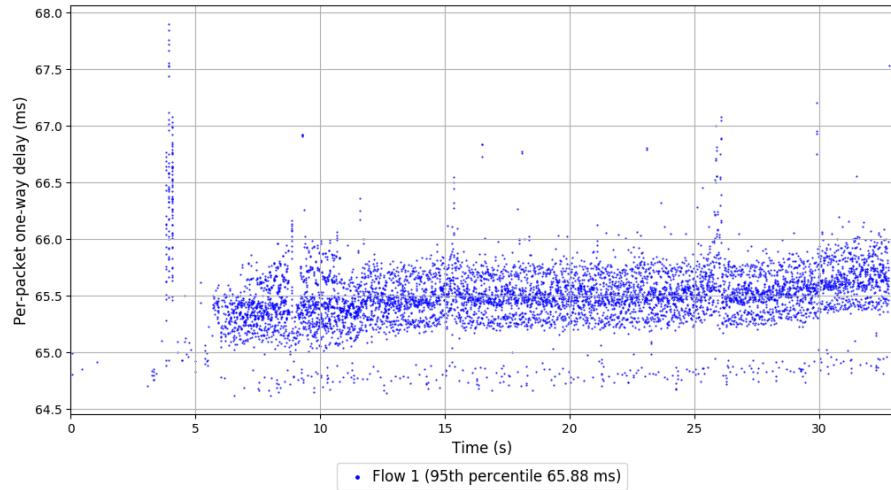
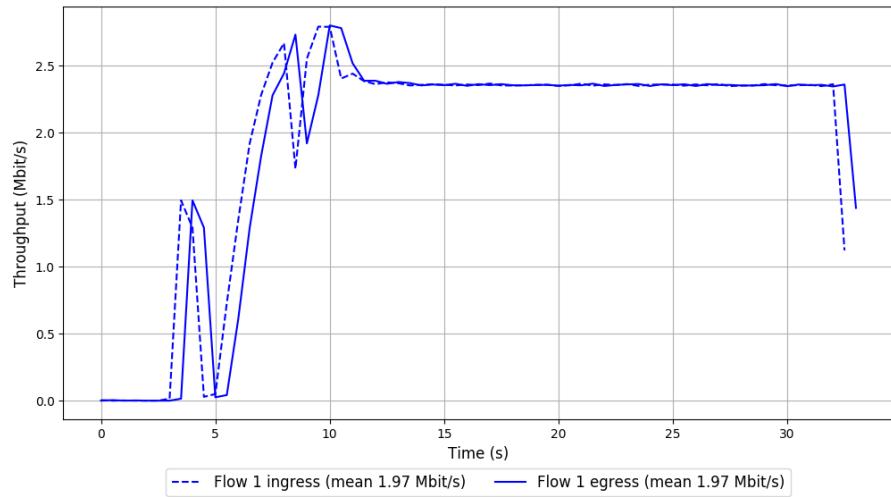


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-05 07:11:55
End at: 2018-06-05 07:12:25
Local clock offset: 6.055 ms
Remote clock offset: -2.72 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 65.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 65.878 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-05 07:32:50
End at: 2018-06-05 07:33:20
Local clock offset: 7.821 ms
Remote clock offset: -3.581 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 65.733 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 65.733 ms
Loss rate: 0.28%
```

Run 10: Report of WebRTC media — Data Link

